



Premise

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2016/768/63

Date: 1 August 2025



MIRVAC

Everleigh

WATER INFRASTRUCTURE MASTERPLAN

Report No: P000196/R01

Rev: D

12 November 2024

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DOCUMENT AUTHORISATION					
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1. INTRODUCTION

Everleigh is located at Teviot Road, Greenbank and is part of the Priority Development Area (PDA) with EDQ being the assessing authority. The Everleigh master planned development is situated on a 481-hectare site that will ultimately comprise approximately 3,577 dwellings as well as commercial and educational precincts with an estimated 12 years remaining.

The development was approved in June 2017 and was previously supported by a Water and Sewer Infrastructure Master Plan, prepared by MWH (Ver 5 dated 29 May 2017). The Water Supply Master Plan was reviewed in September 2020, producing the following document:

- Water Supply Network Model Investigation Report (Premise Rev B – 28 September 2020)

This report, herein referred to as the 'previous water model report' is shown in Appendix F. Since approval, development of the site has progressed, and it is appropriate that the Water Infrastructure Master Plan be updated to reflect changes occurring over time. This includes changes to Precincts 5, 6, and 7 which are collectively referred to as Reconfiguration of Lot (ROL) 13. One of the most significant changes to ROL 13, is the inclusion of a future high school. This report will provide a summary of the water masterplan of the development, including the adopted basis of design for the water servicing strategy.

2. BACKGROUND

The development is part of a major urban community under the control of Economic Development Queensland (EDQ). The development site is approximately 481 hectares and is situated in the Greenbank area of the Greater Flagstone PDA as declared under the Urban Land Development Authority (ULDA) Act (now superseded by the Economic Development Act 2012).

The development site is bounded to the west by Teviot Road and Greenbank Road to the south. There are existing developed lots located on the eastern fringe of development site (these being in the Wearing Park Area). Access to the development site is currently via Teviot Road on the west side. A further (future) access to the site will be provided via Greenbank Road on the southern side once development proceeds in that particular area.

The development will consist of a total of 3,577 residential units, a primary school site, a secondary school site and a commercial site including a medical hub and a neighbourhood centre. 930 lots, the primary school site and AFL oval (Lot 804) have been delivered to date.

3. LEVELS OF SERVICE

The Levels of Service (LOS) adopted for the water master planning are summarised in Table 1 and have been based on sources shown below. Note that there is some variance in the LOS adopted in this report compared to the previous MWH Master Plan and these differences are summarised in a later section of this report.

- Everleigh Estate Standards Manual (ESM) (August 2021)
- SRIA Guideline (refer correspondence dated 8th September 2023)
- SEQ Water Supply and Sewerage Design & Construction Code (February 2020)

Table 1 – Design Parameters – Water Demands and Modelling Factors

Parameter	Adopted Value	
	Residential	Non-Residential
AD Demand	165 L/EP/day	165 L/EP/day
Unaccounted for	25 L/EP/day	25 L/EP/day
MDMM / AD Ratio	1.5	1.2
PD/AD	2	
PH/PD	2	1.3
PH / AD	4	2.0
Minimum Service Pressure	22 m at the property boundary	
Maximum Service Pressure	Target maximum pressure 55 m Maximum Pressure 80 m	
Firefighting flow:	Residential: 15.0 L/s for 2 hours Commercial / Industrial: 30 L/s for 4 hours	
Emergency fire operating conditions (Minimum Residual Mains Pressure)	12 m min at the main at the hydrant 6 m elsewhere in mains that have customer connections. Positive pressure throughout.	
Maximum Allowable Head loss (PH)	5m/km for DN<=150 3m/km for DN>=200	
Maximum Allowable Velocity	2.5 m/s	

4. SERVICING STRATEGY

The current servicing strategy provides that allotments on land with elevations below RL50 are to be serviced directly from Round Mountain Reservoir via the existing trunk main within Greenbank Road. This region is referred to as the low-level zone. Allotments located in areas of RL50 or greater are designated as the high-level zone which is serviced by a supply arrangement from Pub Lane Water Station.

Under the ultimate planning scenario, the high-level zone would be serviced from the existing trunk main on Teviot Road. The previous water modelling report determined that servicing the high-level zone via the existing trunk main connection was not feasible, and that a second connection would be required to ensure that the network residual pressures and head loss gradients for internal reticulation were maintained. Following advice from the Logan Water Infrastructure Alliance (LWIA), Mirvac were advised to implement a second connection to Teviot Road Trunk Main. The first connection at the Pub Lane/Teviot Road/Everleigh Drive intersection has been completed. The responsible entity for delivery of the second connection at Leanne Court/Teviot Road/Anderson Drive is under review between EDQ and Logan City Council. This second connection is currently planned for construction within the Teviot Road upgrade.

The low-level zone would be serviced via a new trunk main connecting to Greenbank Road, under the ultimate scenario. However, the timing of staging indicates that implementation of Precincts 5, 6, 7 and 14 will likely occur prior to the implementation of this water main. Bringing forward capital works for the Greenbank Road Trunk Main is not considered a preferred option as low flows may impact water quality in the near term. Therefore, as an interim solution to service these lots, a temporary connection to the high-level zone is proposed. Pressure Reducing Valves (PRVs) would provide pressure attenuation for this proposed cross connection and ensure that pressures within ROL 13 remain within the desired operating range.

Note: These interim PRVs installations could be removed in the ultimate scenario, as required.

4.1 Population Assessment

An estimate of the equivalent population (EP) of the development was completed as per the conversion factors shown in Table 2.

Table 2 – Equivalent Population Conversion Factors

USES			CONVERSION FACTORS
Residential Uses	Pre 1 January 2016	detached dwelling	2.91EP/dwelling
		attached dwelling	1.83EP/dwelling
	On or after 1 January 2016 7 Ha	detached dwelling	2.8EP/dwelling
		attached dwelling	1.78EP/dwelling
Retail uses (excluding showrooms)			30EP/ha
Showrooms			30EP/ha
Commercial uses			30EP/ha
Industrial uses			30EP/ha
Service, community and other uses (excluding child care centre and educational establishment)			30EP/ha
Child Care Centre			0.25EP/pupil and staff
Educational establishment	Primary school		0.1EP/pupil and staff
	Secondary school		0.1EP/pupil and staff
	Any other educational establishment		0.1EP/pupil and staff
Sport, recreation and entertainment uses			30EP/ha
Tourism uses			30EP/ha
Rural uses			30EP/ha
Mixed use (being a development combining residential uses and any other use)			The conversion factor for the Residential uses and, if the mixed use includes a Child care centre or Educational establishment, the conversion factor for the Child care centre and Educations establishment (as applicable and as set out above) plus 15EP/ha
Any other uses			30EP/ha

An assessment of the ultimate population of the development is shown in Table 3, as per the site layout shown in Appendix A. The resulting ultimate population of 10,346 EP consists of 3,577 residential dwellings in addition to a commercial site, a primary and a secondary school. A total of 685 residential dwellings has been

adopted for ROL 13, which is consistent with the ultimate development dwelling yield and includes an assumed 321 dwellings in Precinct 5.

Table 3 - Ultimate Population Estimate

	Conversion Factor	Unit Value	Total
High Level Zone			
Precinct 1			
Residential	2.8 EP per dwelling	365 detached dwellings	1,022 EP
Precinct 2			
Residential	2.8 EP per dwelling	226 detached dwellings	633 EP
Precinct 3			
Residential	2.8 EP per dwelling	111 detached dwellings	311 EP
Precinct 4			
Residential	2.8 EP per dwelling	91 detached dwellings	255 EP
Precinct 8			
Residential	2.8 EP per dwelling	286 detached dwellings	801 EP
Precinct 9			
Residential	2.8 EP per dwelling	423 detached dwellings	1,184 EP
Precinct 10			
Residential	2.8 EP per dwelling	280 detached dwellings	784 EP
Precinct 11 – Potential LLC			
Residential	1.78 EP per dwelling	253 attached dwellings	450 EP

	Conversion Factor	Unit Value	Total
(attached dwellings))			
Precinct 12			
Residential	2.8 EP per dwelling	143 detached dwellings	400 EP
Precinct 13			
Commercial Site	30 EP/Ha	7 Ha	210 EP
Low Level Zone			
Precinct 3			
Residential	2.8 EP per dwelling	248 detached dwellings	694 EP
Precinct 4			
Residential	2.8 EP per dwelling	466 detached dwellings	1,305 EP
Precinct 5			
Residential	2.8 EP per dwelling	321 detached Dwellings	899 EP
Precinct 6			
Residential	2.8 EP per dwelling	195 detached dwellings	546 EP
School – Primary and Secondary	0.1 EP/Pupil and Student	Primary School – 1,400 students & 140 Staff. High School – 1,800 pupils & 190 staff.	353 EP
Sports Grounds			26 EP**
Precinct 7			
Residential	2.8 EP per dwelling	169 detached dwellings Lots	473 EP

	Conversion Factor	Unit Value	Total
TOTAL			10,346 EP

*Value was adopted in accordance with the EDQ approved MWH Water and Sewer IMP

Note that there is some variance in the population conversion factors and ultimate population estimate adopted in this report compared to the previous MWH Master Plan and previous Premise report. These differences are summarised in the following section of this report.

The previously modelling report assumed that the potable water supply could be used for irrigation of all parks within the Everleigh Precinct. However, for the updated Water IMP model, only the sports grounds, the primary school and the high school are irrigated using the potable water supply. All other parks are assumed to be irrigated via stormwater harvesting.

Irrigation demands and patterns from the previous water modelling report, were re-adopted for these facilities. This assumes that fields are being irrigated simultaneously, from 0:00 to 6:00 hours during non-peak flow. The updated irrigation demands are shown in Table 4.

Table 4 – Irrigation Demands

Area	Approx Area (Ha)	Demand (l/s)	Irrigation Time (hrs)
Sports Grounds	24.6	21.7*	6
Primary School (50%)	3.5	5.4	6
High School (50%)	4.7	7.1	6

*As per previous water modelling report, sports grounds demand was reduced by 40% to avoid oversizing of water mains.

4.2 Update from Previous Water Modelling Investigation Report

The development was previously supported by a Water Supply Network Model Investigation Report, prepared by Premise (rev B dated 28 September 2020). A summary of the differences between the previous Modelling Report and this updated water IMP are summarised below:

- The estimated total number of residential dwellings from the previous modelling report consisted of 3,159 detached dwellings and 674 attached dwellings. This report has adopted 3,324 detached dwellings and 253 attached dwellings for Precinct 11 only. The significant reduction in the total number of dwellings is largely due to the inclusion of a high school in ROL 13 as discussed below.
- A total of 210 EP for the neighbourhood centre precinct based 30 EP/Ha and a total area of 7 Ha. The previous modelling report assumed a total 198 EP from a total of 6.6 Ha and using the same 30 EP/Ha.
- A total of 154 EP adopted a rate of 0.1 EP/Pupil and staff and design for 1,400 students and 140 staff. The previous water modelling report assumed a total of 368 EP based of 1.05 EP/Ha and a total of 368

EP. It was noted in the previous report that the nominated Greater Flagstone PDA Sub-regional Infrastructure Agreement value of 0.1 EP/pupil and staff was considered too low at the time.

- Changes to ROL 13 since the previous report have included the addition of a high school in Precinct 6. A total of 199 EP have been estimated for the high school based off a rate of 0.1 EP/pupil and student and design for 1,800 students and 190 staff.
- The ultimate population estimate for the previous water modelling report was 10,636 EP, compared to the ultimate EP estimate of 10,346 EP for this report. Additionally, it should be noted that the previous ultimate EP in the Logan South Wastewater Servicing Strategy was 10,995 EP.

5. WATER NETWORK MODELLING

A water network model was developed for the Everleigh Subdivision using Bentley WaterCAD.

The model construct was informed by the following information:

- The existing PRV which connects to the 300 mm diameter Teviot Road main would remain as the primary point of supply to the High-Level Zone.
- Boundary conditions in the model were represented by a reservoir designating connections to the LLZ from Greenbank Road and Teviot Road.
- Boundary conditions for the current model are based of the previous water modelling report.
- The current boundary condition for Teviot Road is based on the LWIA revised servicing strategy for Greenbank.
- All boundary conditions are representative of the lowest Hydraulic Grade Line (HGL) value experienced during peak hour demands.

The HGL for each Boundary Condition is shown in Table 5 below:

Table 5 – Model Boundary Conditions

	Boundary Condition - HGL
LLZ – Greenbank Road	85 m
HLZ – Teviot Road Spring Mountain Supply Zone	120 m
HLZ – Teviot Road LWIA revised servicing strategy for Greenbank.	107 m

Hazen Williams (HW) Pipe friction factors used in the model were based off *Table 4.1 – Water Network Design Criteria in SEQ Water and Supply Design Criteria*, and are shown in Table 6 below:

Table 6 – Pipe Friction Factors

Pipe Size	HW C Factor
< = 150	100
> 150 to < = 300	110

Three Scenarios were modelled as part of the Integrated Water Master Plan:

1. Interim Stage – HLZ Connection:

ROL 13 is serviced from the high-level zone, via the two connections to the Teviot Road Trunk Main without additional Pressure Reducing Valves (PRVs) being installed.

2. Interim Stage – HLZ Connection with additional PRVs Installed:

Scenario 1 connection points with 2 additional PRVs installed at all boundaries between the high-level zone and ROL 13.

•

3. Ultimate Stage:

High-level zone is serviced by the two (2) connections to Teviot Road trunk main and the low-level zone is serviced by the proposed trunk main connecting to Greenbank Road trunk main.

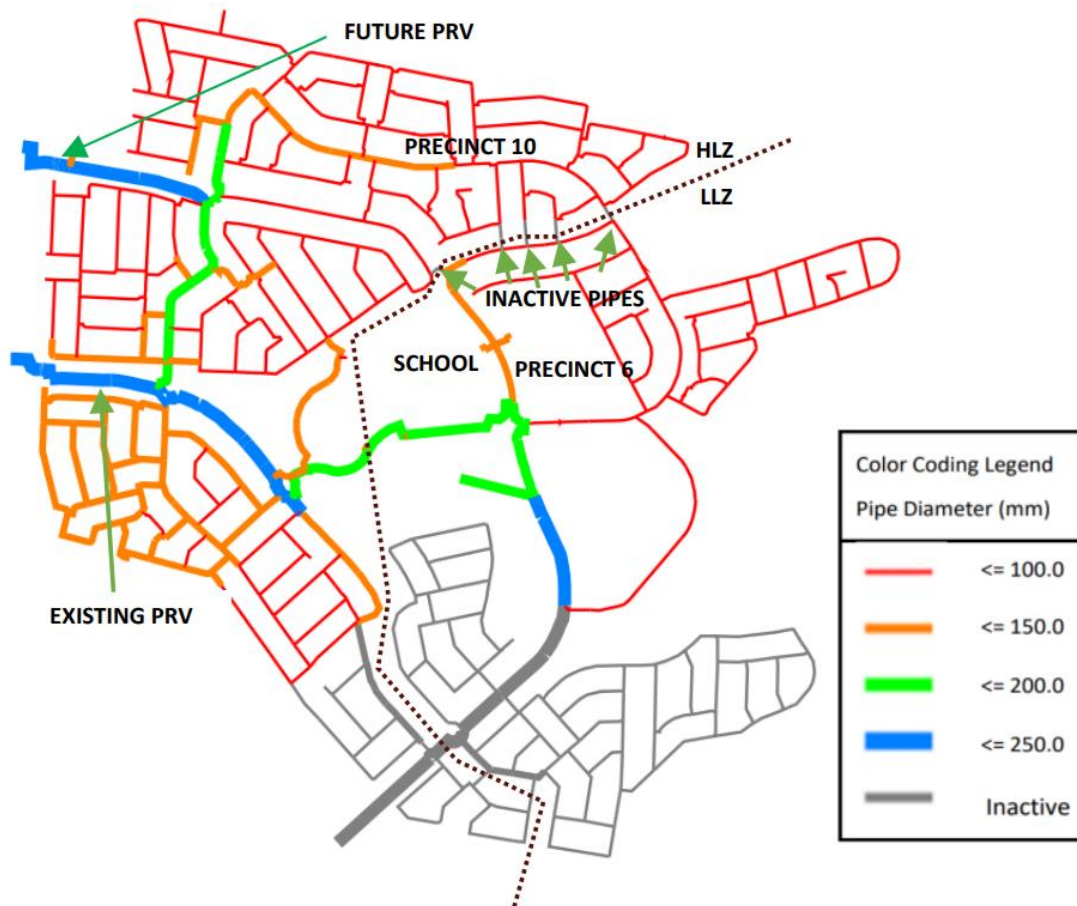
Scenarios were modelled using separate diurnal demand patterns for residential and commercial lots. The patterns used in the previous water modelling report were used in this masterplan. The peaking hour factors for these patterns were 1.83 (residential) and 1.54 (commercial). Firefighting demands were applied to the lowest elevation point which is in Precinct 14, at an elevation of 33.00 m AHD, using a residential firefighting flow of 15 L/s for 2 hours. Firefighting demands were applied simultaneously with the residential diurnal pattern at two thirds of peak hour flow. Irrigation demands were maintained at a fixed rate between hours of 11:00 pm to 5 am for the sports field and school grassed areas. Results for all modelling scenarios are presented in Attachment B. This includes pressures at all junctions, and flows, velocities, and head-loss gradients for conduits, for 0.00 hours and 19.00 hours for standard diurnal flow and 15.5 hours for the fire flow scenarios.

5.1 Interim Stage – HLZ Connection To ROL13

- In this Modelling Scenario, the ROL 13 is serviced from the high-level zone via the existing DN200 main (green) aligned to the south of the school. There are two (2) PRVs in this scenario at each of the two connections to the Teviot Road trunk main. The boundaries between Precinct 10 and Precinct 6 are indicated by inactive pipework (grey) as shown in Figure 1.

The modelling results indicate that all of ROL 13 exceeds the target operating pressure of 55 m, as well as the southern areas of Precincts 10, 9 and 1 in the high-level zone. The modelling results provided a maximum pressure of 73 m which demonstrated the absolute maximum pressure of 80 m is not exceeded in this model run. The lowest pressure recorded was 24 m which is slightly above the minimum. Velocities in all pipes remained below the maximum of 2.5 m/s.

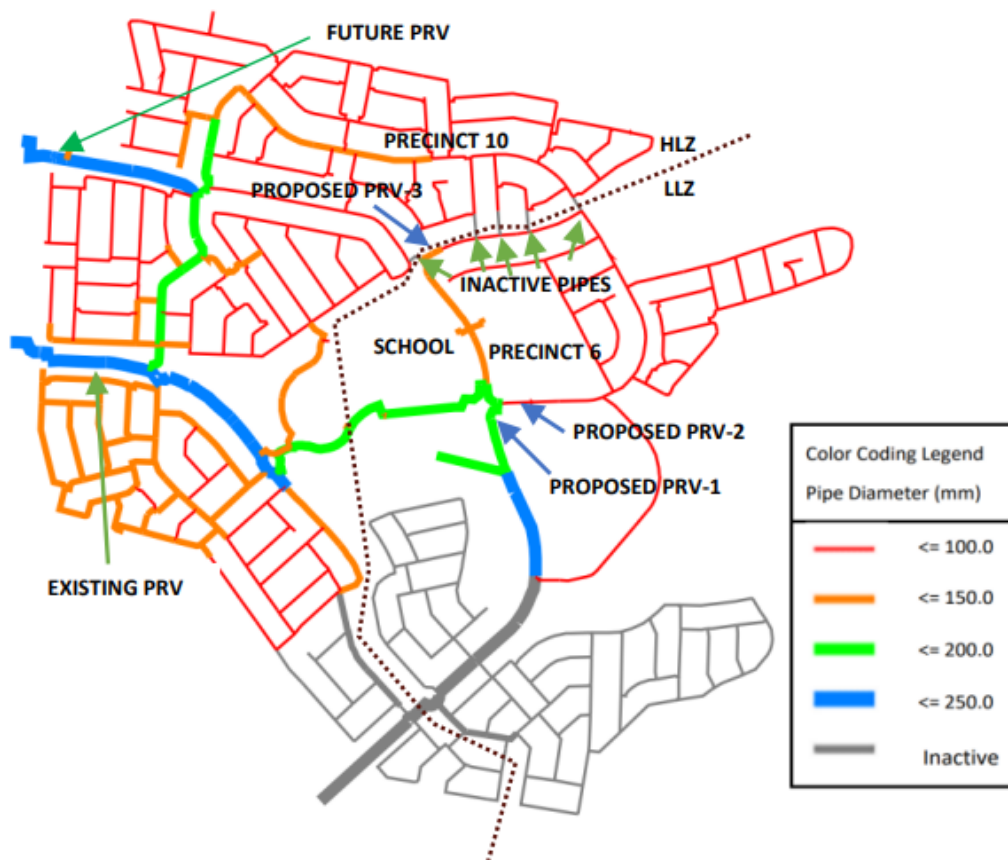
Figure 1 – Interim Stage Scenario – ROL 13 serviced by Teviot Road Trunk Main



5.2 Interim Stage – HLZ Connection to ROL 13 via with additional PRVs Installed

Under this scenario, three (3) Proposed PRVs, PRV-1, PRV-2 and PRV-3 are installed between the existing 200mm main and the southwest boundary of ROL 13, as shown in Figure 2.

Figure 2 – Interim Staging Scenario – ROL 13 PRV Arrangement



The Recommended Pressures for each of the proposed PRVs in Figure 2, are shown in Table 7.

Table 7 – Proposed PRV Pressures

	Initial Pressure setting (kPa)
PRV-1	490
PRV-2	490
PRV-3	490

The modelling results show that the minimum pressure during simulation was 27 m. The maximum recorded pressure was 67 m, which is still slightly above the recommended operating pressure. Trial runs using a smaller PRV settings, indicated many nodal pressures would fall short of the minimum target pressure of 22 m. The setting of 490 kPa has been selected as an optimum value for reducing the maximum operating pressure whilst still achieving the minimum. Minimum pressures during firefighting flows were also above the required minimum pressure prescribed in Table 1.

It is noted that the maximum allowable head-loss gradient of 5 m/km for pipes $\leq$ DN 150 and 3 m/km $\geq$ DN 200, was exceeded during early hours of simulation, due to the irrigation demands being applied during this period. Demands shown in Table 4 are a conservative estimate, and service pressures during this time were above the required minimum of 22 m. It is expected that the maximum allowable head-loss will rarely be exceeded, and the maximum head-loss that occurred during peak hour demand, was well within acceptable limits.

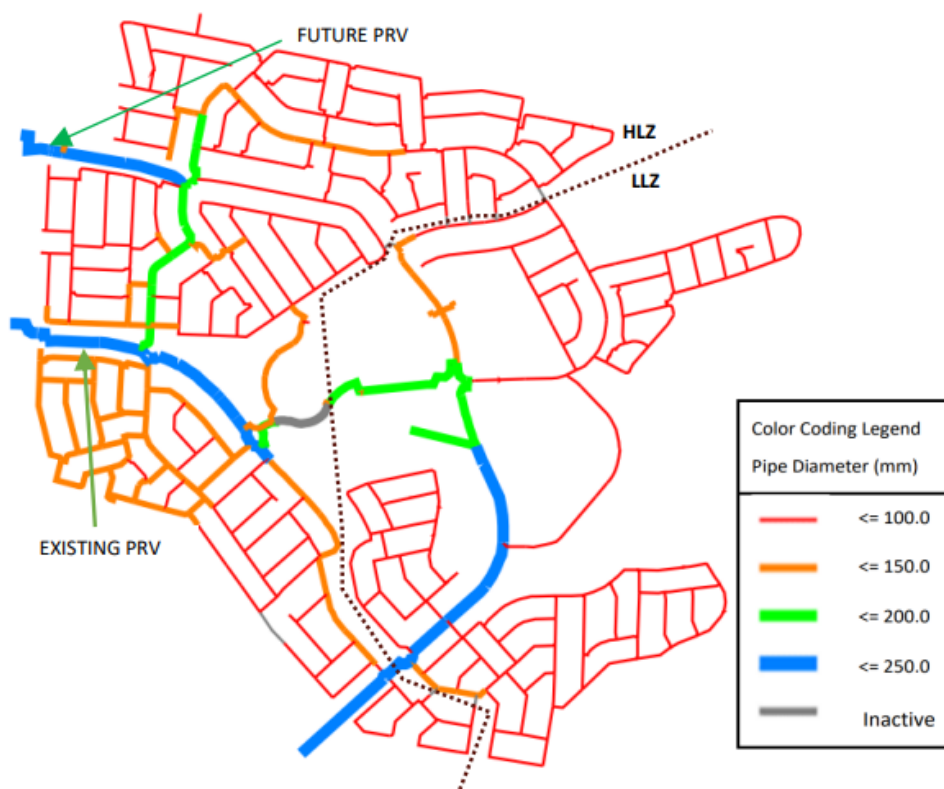
5.3 Ultimate Stage

The ultimate scenario was modelled with all precincts in operation. Under the ultimate scenario, the low-level zone is serviced via the future trunk main extending from Greenbank Road. In this case, the PRVs connecting to Teviot Road are assumed to remain active, however the Proposed PRVs between the high-level and low-level zones described in Section 5.2 have been decommissioned.

The results shown in Appendix B, for the ultimate scenario indicate a maximum pressure of 63 m, which is marginally above the target pressure and well within the absolute maximum pressure of 80 m. Velocities in all pipes remained below the maximum of 2.5 m/s.

Head-losses throughout the network are generally acceptable. A few sections exceeded 5 m/km for pipes $\leq$ DN 150 and 3 m/km $\geq$ DN 200 during irrigation, albeit only marginally when compared to the two interim scenarios. It is expected that the maximum allowable head-loss will rarely be exceeded, and the maximum head-loss that occurred during peak hour demand, was well within acceptable limits.

Figure 3 – Ultimate Scenario



6. CONCLUSIONS AND RECOMMENDATIONS

This report provides a summary of the design basis for the Everleigh development and addresses the key requirements for water infrastructure. A summary of the key points of the integrated master plan is shown below:

- The development was previously supported by a Water Supply Network Model Investigation Report (Premise Rev B – 28 September 2020). There are several differences between the previous water modelling report and this report, including adopted levels of service, loading rates, occupancy rates and planning densities. These differences are discussed in detail in this report.
- The total ultimate population of the site is estimated to be 10,346 EP, which consists of:
 - 3,577 Residential dwellings equivalent to 9,757 EP
 - Commercial sites equivalent to 236 EP
 - Primary and secondary school sites equivalent to 353 EP.
- Interim servicing strategy will consist of supply precincts comprising ROL 13, via connections with high level zone using PRVs to ensure that pressures remain close to the target maximum pressure and well below the absolute maximum pressure. The recommended PRV setting is 490 kPa (50 m), to ensure that the minimum service pressures remain above 22 m throughout the day. Head-losses in the model were higher than the minimum during irrigation in the early hours. The irrigation demands are considered conservative, and it is not expected that head-losses will be exceeded on a daily basis. Head-losses were within acceptable limits during peak hour flow.
- Under the ultimate servicing strategy, the low-level zone will be supplied via a new trunk main connecting to Greenbank Road, and boundary valves will be installed between the high- and low-level zones. The high-level zone will continue to be serviced by the two connections to Teviot Road. Modelling for this scenario indicates that minimum service pressures can be achieved. The maximum service pressure of 63 m is marginally above the desirable maximum of 55 m and well below the absolute maximum. Acceptable pipe head-losses are only marginally exceeded under this prospective scenario.
- The modelling undertaken as part of this report, has demonstrated that the interim servicing strategy will be able to service all intended precincts within the high-level zone and ROL 13. The addition of the Greenbank Road connection to the low-level zone provides extra serviceability for the ultimate development scenario. This connection will be implemented prior to the plan sealing of the final sub-precinct of Precinct 5 (ROL 13). As such, the ultimate demand for ROL13 is unlikely to be sourced solely from the High-Level Zone at any point in time.
- The original intent of the two (2) connections to Teviot Road was to mitigate the risk of a single connection being taken offline. Under the ultimate scenario, the low-level zone is only being serviced by a single connection to Greenbank Road. This poses a potential risk to customers in the low-level zone if this single source supply were disrupted for any reason. The cross connection between the high- and low-level zones using PRV devices should therefore be considered as a contingency in the event that Greenbank Road connection is taken offline for any reason. The interim arrangements in ROL 13 could therefore have purpose in future redundancy.

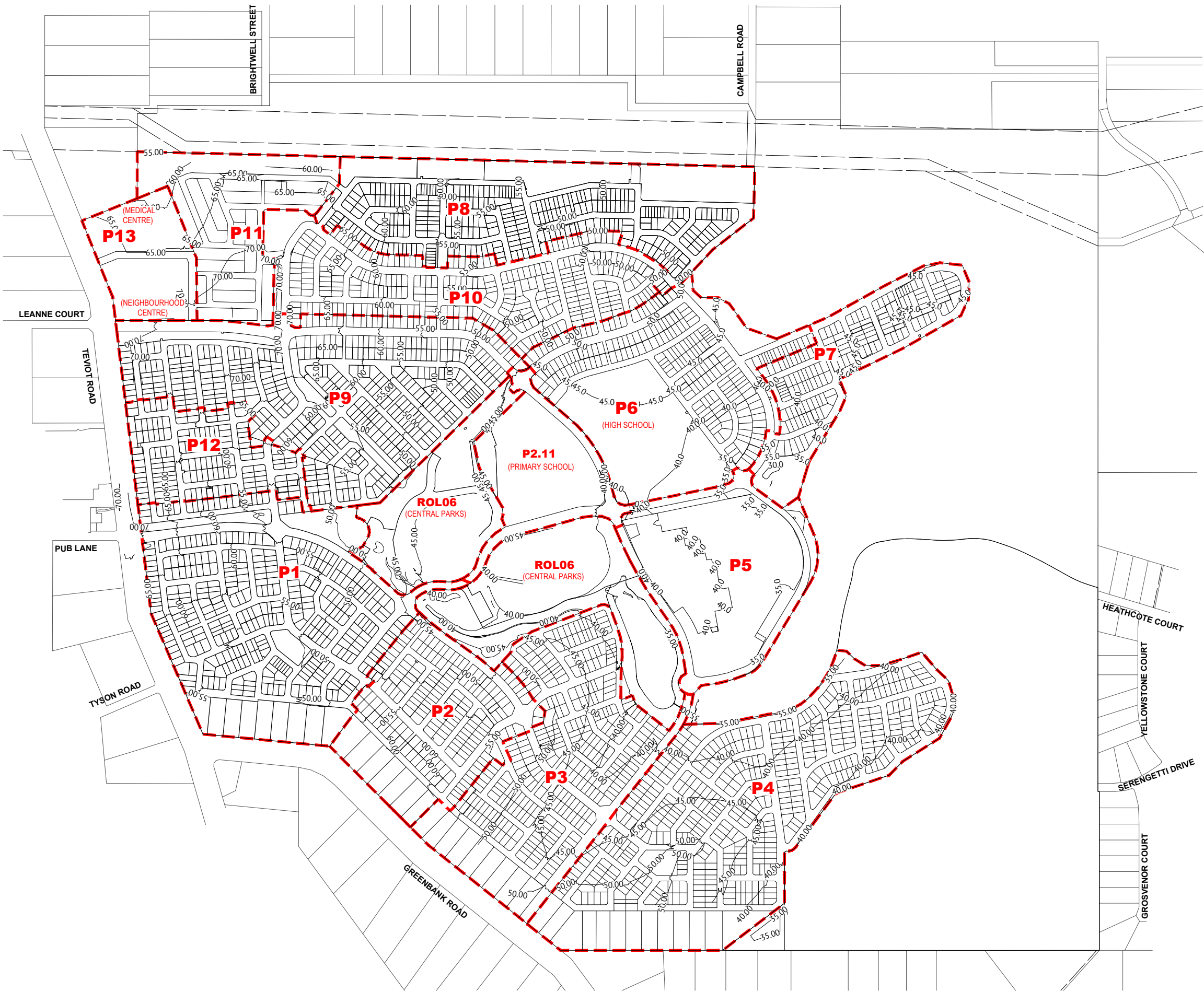


APPENDIX A – PROPOSED DEVELOPMENT LAYOUT AND CONTOUR PLAN



LEGEND

PRECINCT BOUNDARY



PRELIMINARY - NOT FOR CONSTRUCTION

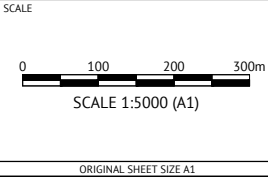
DATE	REV	DESCRIPTION	REC	APP
24/05/2024	D	UPDATED ROL13 LAYOUT	KK	NS
16/02/2024	C	UPDATED ROL13 LAYOUT	AL	NS
12/10/2023	B	UPDATED LAYOUT AND CONTOURS	KK	NS
	A	ORIGINAL ISSUE		



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CLIENT	MIRVAC QLD PTY LTD
PROJECT	PROPOSED SUBDIVISION
LOCATION	TEVIOT ROAD, GREENBANK
SHEET TITLE	EVERLEIGH DEVELOPMENT LAYOUT AND CONTOUR PLAN

JOB CODE	MIRSGB
SHEET NUMBER	SKC121
REV	D



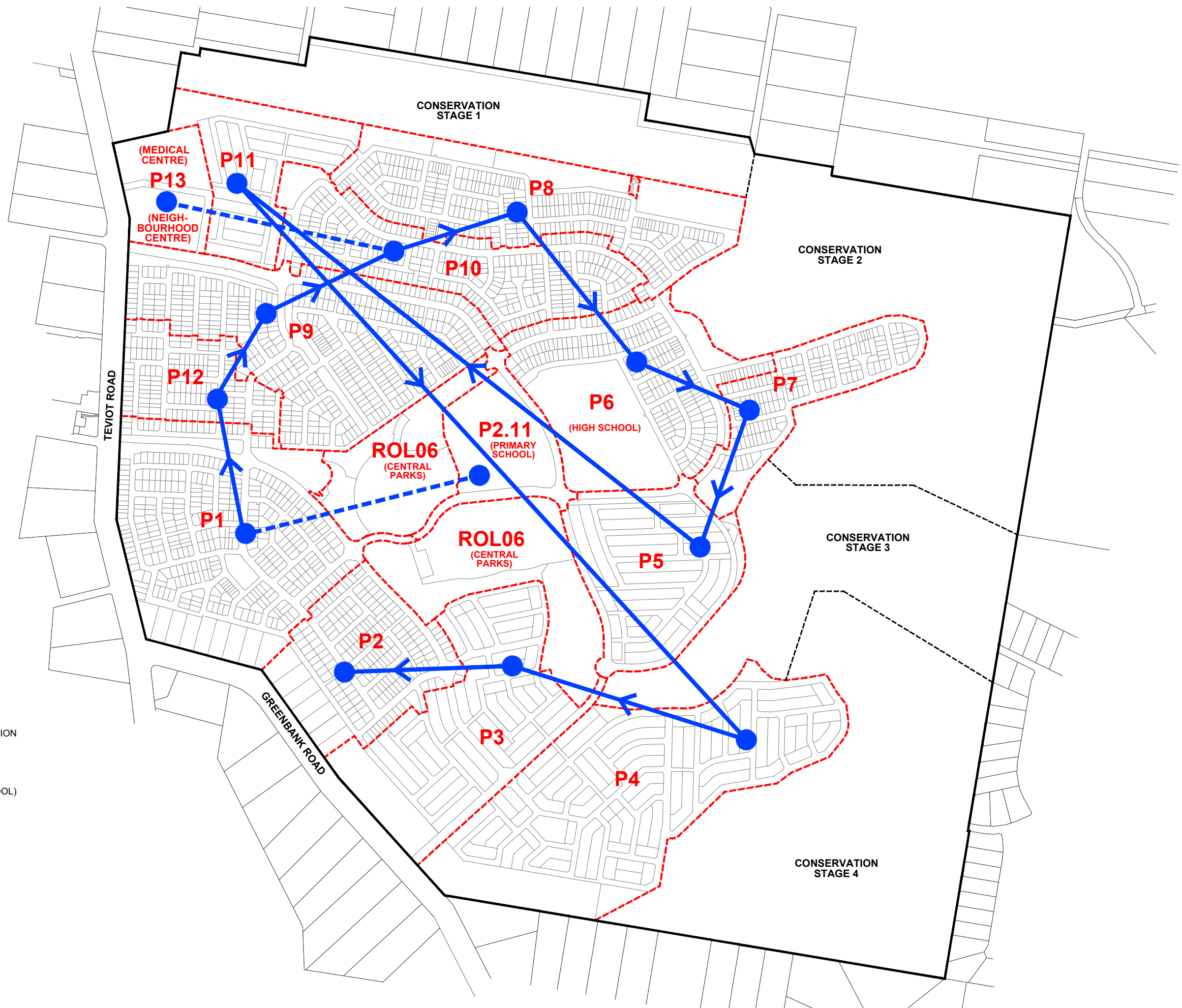
APPENDIX B – EVERLEIGH STAGING PLAN

LEGEND

- SITE BOUNDARY
- - - PRECINCT BOUNDARIES
- PRECINCT DELIVERY DIRECTION
- - - CONCURRENT DELIVERY

SEQUENCE

1. PRECINCT 1 (+ PRIMARY SCHOOL)
2. PRECINCT 12
3. PRECINCT 9
4. PRECINCT 10 (+ PRECINCT 13)
4. PRECINCT 8
5. PRECINCT 6
6. PRECINCT 7
7. PRECINCT 5
8. PRECINCT 11
9. PRECINCT 4
10. PRECINCT 3
11. PRECINCT 2

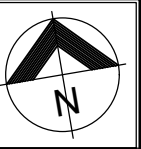


Scale 1:10,000 @ A3





APPENDIX C – WATER NETWORK LAYOUT



WATER LEGEND

- 630 mPVC WATER MAIN
- 1000 mPVC WATER MAIN
- 1500 mPVC WATER MAIN
- 2000 mPVC WATER MAIN
- 2500 mPVC WATER MAIN

LEGEND

- COMPLETED WORKS
- UNDER CONSTRUCTION
- EMW WORKS
- PRECINCT BOUNDARY



DMA METER ARRANGEMENT
DMA METER ARRANGEMENTS (AND PRESSURE MANAGEMENT) ARE REQUIRED AT ALL CONNECTIONS TO THE EXTERNAL TRUNK MAINS UNLESS OTHERWISE INDICATED BY COUNCIL

PRELIMINARY - NOT FOR CONSTRUCTION

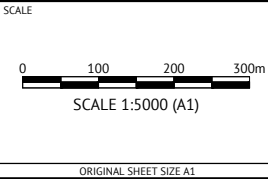
DATE	REV	DESCRIPTION	REC	APP
24/05/2024	K	UPDATED ROL13 LAYOUT AND WATER ALIGNMENT	KK	NS
15/01/2024	J	ADDED BOUNDARY AND PRESSURE REDUCING VALVES IN P6	KK	NS
11/07/2023	I	UPDATED TO MATCH LOT BOUNDARY UPDATES	KK	NS
12/10/2022	H	2022 UPDATES	KK	AL
02/09/2021	G	2021 UPDATES	SS	



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NICK SOMERVILLE

PATRICK BRADY RPEQ 7112



CLIENT
MIRVAC QLD PTY LTD
PROJECT
PROPOSED SUBDIVISION
LOCATION
GREENBANK ROAD, GREENBANK
SHEET TITLE
SERVICING LAYOUT - WATER RETICULATION LAYOUT

JOB CODE
MIRSGB
SHEET NUMBER
SL100
REV
K



APPENDIX D – EDQ CORRESPONDENCE

Lawrence Mills

From: Nick Somerville
Sent: Thursday, 14 September 2023 9:08 AM
To: Lawrence Mills
Cc: Andrew Langdon
Subject: Fwd: [#MIRSGB] Everleigh IMP Updates | Conversions

FYI

Nicholas Somerville

Begin forwarded message:

From: Marco Bonotto <Marco.Bonotto@dsdilgp.qld.gov.au>
Date: 14 September 2023 at 7:31:50 am AEST
To: Nick Somerville <nick.somerville@premise.com.au>
Subject: RE: [#MIRSGB] Everleigh IMP Updates | Conversions

Hi Nick,

I've just provided a similar advice to another developer and I've realised that I've made a type in my email below:

The non-renewable water as per the LCC DSS is **25L/EP/day** as opposed to 30 and therefore the AD is **190L/EP/day** and not 195.

Cheers



Marco Bonotto

Director Engineering, Infrastructure Solutions
Economic Development Queensland
Department of State Development, Infrastructure,
Local Government and Planning

Microsoft teams – meet now

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*I acknowledge the traditional custodians of the lands and waters of Queensland.
I offer my respect to elders past, present and emerging as we work towards a just,
equitable and reconciled Australia.*



From: Marco Bonotto
Sent: Friday, September 8, 2023 10:15 AM
To: Nick Somerville <nick.somerville@premise.com.au>
Subject: RE: [#MIRSGB] Everleigh IMP Updates | Conversions

Hi Nick,

I recommend using the conversion rates defined in the SRIA table reported below to avoid confusion:

USES			CONVERSION FACT
Residential Uses	Pre 1 January 2016	detached dwelling	2.91EP/dwelling
		attached dwelling	1.83EP/dwelling
	On or after 1 January 2016 7 Ha	detached dwelling	2.8EP/dwelling
		attached dwelling	1.78EP/dwelling
Retail uses (excluding showrooms)			30EP/ha
Showrooms			30EP/ha
Commercial uses			30EP/ha
Industrial uses			30EP/ha
Service, community and other uses (excluding child care centre and educational establishment)			30EP/ha
Child Care Centre			0.25EP/pupil and st
Educational establishment	Primary school		0.1EP/pupil and st
	Secondary school		0.1EP/pupil and st
	Any other educational establishment		0.1EP/pupil and st
Sport, recreation and entertainment uses			30EP/ha
Tourism uses			30EP/ha
Rural uses			30EP/ha
Mixed use (being a development combining residential uses and any other use)			The conversion factor for the R and, if the mixed use include: centre or Educational establ conversion factor for the Chil and Educations establishment and as set out above) plu
Any other uses			30EP/ha

I note that the conversion rate for the 'land lease community' should be either 2.8EP/dwelling or 1.78EP dwelling depending if these are attached or detached dwellings.

Happy for the school EP are based on expected number of pupil and staff at 0.1EP/pupil and staff conversion rate as per your email below.

In terms of demand units, I recommend use the attached LCC DSS document.

The water AD demand for the system design is **195L/EP/day** that include 165L/EP/day of consumption plus 30L/EP/day for non-renewable water (i.e. system losses and not billed water)

Please let me know if you require any clarifications.

Cheers



Marco Bonotto

Director Engineering, Infrastructure Solutions
Economic Development Queensland
Department of State Development, Infrastructure,
Local Government and Planning

Microsoft teams – *meet now*

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<image006.png>

From: Nick Somerville <nick.somerville@premise.com.au>
Sent: Friday, September 1, 2023 5:21 AM
To: Marco Bonotto <Marco.Bonotto@dsdilgp.qld.gov.au>
Subject: RE: [#MIRSGB] Everleigh IMP Updates | Conversions

Morning Marco.

Further to our chat on Wednesday, I cannot find where LCC requested an update the EP conversion to 3. When looking through the various reports it seems to have been in 1 report, however in a later (newer) report it has adopted the below. As such, I am proposing to just use the below again.

An update to a land use is the land lease community. For this we will use the 1.83EP/dwelling.

Use I checked the school and the primary school has 126EP allocated to it. So ~18EP/Ha or 1,260 pupils and staff. On this basis the high school will have around 174 EP or 1,740 pupils and staff.

With the below table, the previous AD for water was 165L/EP/day. I believe the updated SEQ Code has 230L/EP/Day. Do you want this change to the below, or remaining at the 165 being an existing development?

Table 4.1 - Water Network Design Criteria -

No	Parameter	Gold Coast				
A. Drinking Water – Conventional (Single Supply Zone)						
A1	Average Day Demand (AD) per EP, excluding NRW (Note: EP/ET conversion rate provided in separate tables from SEQ-SP)	220 L/EP/d				
A2	Estimated Non-Revenue Water (NRW)	20 L/EP/d				
A3	Peaking Factors (Note: Peaking Factors are not applied to NRW)	Residential (single det.)	Multi-Residential	Commercial /Public	Indus.	Tourist
	MDMM/AD	1.75	1.27	1.06	1.06	1.76
	PD/AD	2.12	1.45	1.12	1.12	2.51
	PH/PD	2.84	2.05	2.07	1.38	2.40



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From: Nick Somerville
Sent: Wednesday, August 30, 2023 2:36 PM
To: 'Marco Bonotto' <Marco.Bonotto@dsdilgp.qld.gov.au>
Subject: RE: [#MIRSGB] Everleigh IMP Updates | Conversions

Afternoon Marco.
Just seeing if you have had a chance to look at this.
I just tried to call to discuss.

Thanks!

Nick

<image016.jpg>

NICK SOMERVILLE
Senior Construction Engineer

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<image017.jpg>

<image018.jpg>

<image019.jpg>

From: Nick Somerville
Sent: Friday, August 25, 2023 3:08 PM
To: Marco Bonotto <Marco.Bonotto@dsdilgp.qld.gov.au>
Subject: [#MIRSGB] Everleigh IMP Updates | Conversions

Afternoon Marco.

Further to our phone conversation yesterday, please find below a table of demands and EP conversions used in previous reports. Of note, with the education sites we adopted 1.05EP/Ha which was mentioned in the previous reports.

E
<image013.png>

Table 6.1: Design Parameters - Water Demands and Modelling Factors

Parameter	Adopted Value	
	Residential	Non-Residential
AD Demand	165 L/EP/day	165 L/EP/day
Unaccounted for	25 L/EP/day	25 L/EP/day
MDMM / AD Ratio	1.3	1.2
MD / AD Ratio	1.7	1.3
PH / AD Ratio	3.1	2.0

AD = Average Day

On top of the above, fire fighting requirements for residential and commercial are 15 L/s for 2 hours and 30 L/s for 4 hours respectively. Minimum pressure of 12 m was required during fire fighting scenario. We also had an irrigation demand of 2.28 L/s per Ha, although this is not actually stated anywhere in the report.

<image016.jpg>

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<image018.jpg>

<image019.jpg>

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APPENDIX E – MODEL RESULTS

Scenario: Interim (ROL 13) - Teviot Road Connection
Current Time Step: 0.000 h
FlexTable: Junction Table

ID	Label	Elevation (m)	Zone	Demand (L/s)	Hydraulic Grade (m)	Pressure (m H2O)	Pressure (Maximum) (m H2O)	Pressure (Minimum) (m H2O)
1147	P14 - Low Point	33.00	P5	0.0458	95.62	62	73	62
130	L-1085	33.63	P5	0.0212	95.63	62	73	61
1547	P-14 DemandB	33.89	<None>	0.4263	95.59	62	72	61
309	L-019	34.60	P5	0.0121	95.59	61	72	60
301	L-028	35.00	P6	0.0031	95.52	60	71	60
127	L-027a	35.10	P5	0.0000	95.58	60	71	60
1355	J-178	35.00	P7	0.0141	95.47	60	71	60
1441	J-205	35.25	<None>	0.0000	95.58	60	71	60
232	I-SPORT&RECPARK	36.00	P5	10.8000	95.56	59	70	59
144	L-1000	36.60	P7	0.0070	95.47	59	70	58
308	L-027	37.00	P5	0.0000	95.75	59	69	58
246	S-003	46.00	P9	0.0209	104.71	59	61	58
311	L-018	37.00	P5	0.0121	95.70	59	69	58
1446	J-207	36.80	<None>	0.0000	95.47	59	70	58
338	L-021	37.10	P6	0.0153	95.48	58	69	58
1405	P9 Low Point	44.00	P9	0.0000	102.15	58	63	58
1395	P8 Low Point	46.75	P8	0.0296	104.69	58	60	58
250	S-038	47.10	P8	0.0030	104.69	57	60	57
238	S-037	47.25	P8	0.0296	104.69	57	59	57
345	L-013	38.30	P5	0.0091	95.72	57	68	57
300	L-031	38.10	P6	0.0122	95.49	57	68	57
236	S-039	47.35	P8	0.0296	104.69	57	59	57
1281	J-152	47.50	P8	0.0355	104.69	57	59	57
291	B-066	45.00	P9	0.0042	102.15	57	62	57
124	L-1050	38.50	P6	0.0214	95.49	57	68	56
854	J-13	47.80	P8	0.0296	104.69	57	59	57
851	J-12	48.30	P8	0.0178	104.69	56	58	56
1288	J-155	48.35	P10	0.0213	104.70	56	58	56
253	S-040	48.35	P8	0.0148	104.69	56	58	56
1521	J-223	39.77	<None>	0.0000	95.97	56	67	56
1372	J-184	40.00	P1	0.0000	96.18	56	66	56
978	J-53	46.00	P9	0.0461	102.14	56	61	56
332	B-026	45.00	P1	0.0061	101.14	56	62	56
957	J-47	45.00	P2	0.0142	101.12	56	62	56
960	J-48	45.00	P2	0.0031	101.12	56	62	56
723	J-1	43.00	P5	0.0000	99.00	56	64	56
290	L-014	40.00	P6	0.0030	95.97	56	66	55
233	P14 Demand A	39.75	P5	0.4352	95.72	56	67	55
1371	J-Primary School	40.25	P1	0.0000	96.18	56	66	55
237	S-054	48.80	P8	0.0296	104.69	56	58	56
251	S-030	48.85	P8	0.0333	104.69	56	58	56
971	J-51	45.00	P1	0.0000	100.83	56	62	55
964	J-49	45.00	P1	0.0000	100.77	56	62	55
107	T-1010	40.33	P1	0.0000	96.08	56	66	55
1143	J-101	40.10	P5	0.0121	95.72	55	66	55
190	B-062	46.50	P9	0.0293	102.11	55	60	55
1168	J-109	39.90	P7	0.0246	95.47	55	66	55
299	L-022	40.10	P6	0.0244	95.47	55	66	55
967	J-50	45.75	P2	0.0031	101.12	55	61	55
214	B-025	46.00	P1	0.0307	101.23	55	61	55
1384	J-188	49.50	P1	0.0122	104.70	55	57	55
183	B-065	47.00	P9	0.0377	102.15	55	60	55
235	S-041	49.60	P8	0.0178	104.69	55	57	55
252	S-031	49.65	P8	0.0241	104.69	55	57	55
1328	J-AFL maintenance shed	44.00	P1	0.0000	99.00	55	63	55
307	L-015	40.50	P1	0.0000	95.28	55	66	54
1364	J-180	47.00	P1	0.0000	101.77	55	60	54
123	L-1055	40.75	P6	0.0214	95.48	55	66	54
243	S-044	50.00	P8	0.0304	104.70	55	57	54
258	S-029	50.00	P8	0.0626	104.69	55	57	54
255	S-032	50.00	P8	0.0210	104.69	55	57	54
1164	J-107	40.80	P7	0.0422	95.46	55	66	54
327	L-SCHOOL	40.50	P6	0.2273	95.09	54	66	54
106	T-1005	43.15	P5	0.0000	97.72	54	63	54
149	I-SCHOOL	40.50	P6	5.4000	95.07	54	66	54
108	T-1001	46.69	P1	0.0092	101.16	54	60	54
328	L-016	40.80	P1	0.0000	95.13	54	66	54
1319	J-166	46.94	P1	0.0000	101.22	54	60	54
1165	J-108	41.25	P7	0.0211	95.47	54	65	54
102	S-027a	50.50	P8	0.0503	104.70	54	56	54
1332	J-AFL Club House	47.26	P1	0.0000	101.42	54	59	54
1187	J-115	47.00	P2	0.0189	101.16	54	60	54
259	S-043	50.60	P8	0.0638	104.70	54	56	54
254	S-033	50.60	P8	0.0090	104.69	54	56	54
1324	J-168	47.51	P1	0.0000	101.58	54	59	54
113	B-058a	48.00	P9	0.0168	101.99	54	59	54
1365	J-181	47.83	P1	0.0000	101.77	54	59	54
216	B-024	47.25	P2	0.0498	101.17	54	59	54

974	J-52	48.13	P9	0.0293	101.96	54	58	53
93	B-025a	47.50	P1	0.0307	101.27	54	59	53
1163	J-106	41.75	P7	0.0096	95.46	54	65	53
261	S-028	51.00	P8	0.0271	104.70	54	56	53
104	B-064a	48.75	P9	0.0628	102.16	53	58	53
1369	J-High School	41.75	P6	0.2970	95.03	53	65	53
331	B-023	48.00	P1	0.0184	101.26	53	59	53
1466	I-High School	41.75	P6	7.2400	95.00	53	65	53
1162	J-105	42.25	P7	0.0422	95.46	53	64	53
165	B-033	48.00	P1	0.0092	101.21	53	59	53
257	S-045	51.50	P8	0.0426	104.69	53	55	53
245	S-047	51.50	P8	0.0304	104.69	53	55	53
282	S-027	51.80	P8	0.0210	104.70	53	55	53
184	B-056	49.50	P9	0.0335	102.30	53	57	52
954	J-46	48.50	P2	0.0425	101.17	53	58	52
1189	J-116	48.50	P2	0.0425	101.17	53	58	52
265	S-036	52.20	P8	0.0326	104.70	52	54	52
1540	J-225	42.65	<None>	0.0000	95.14	52	64	52
91	B-023b	48.82	P1	0.0460	101.29	52	58	52
296	L-044	43.00	P7	0.0317	95.46	52	63	52
1285	J-153	52.30	P10	0.0395	104.70	52	54	52
249	S-013	52.30	P8	0.0473	104.70	52	54	52
1026	J-68	50.00	P9	0.0293	102.30	52	57	52
212	B-022	49.00	P1	0.0123	101.25	52	58	52
293	L-SPORT&RECCLUBHOUSE	45.50	P6	0.0730	97.70	52	61	52
1498	I-Sport and Rec Irrigation Node	45.50	P6	10.8000	97.67	52	61	52
273	S-026	52.65	P8	0.0150	104.70	52	54	52
326	L-017	43.25	P6	0.0061	95.14	52	63	51
137	J-273	43.60	P7	0.0317	95.46	52	63	51
136	J-274	43.60	P7	0.0141	95.46	52	63	51
118	S-044a	52.85	P8	0.0274	104.70	52	54	52
343	B-058	50.50	P9	0.0377	102.21	52	56	51
1304	J-161	53.00	P11	0.0000	104.71	52	54	51
807	J-2	43.75	P7	0.0106	95.46	52	63	51
181	B-078	43.80	P6	0.0244	95.43	52	63	51
157	B-020	49.50	P2	0.0531	101.13	52	57	51
139	L-1020	44.00	P7	0.0387	95.45	51	62	51
134	J-276	44.10	P7	0.0281	95.46	51	62	51
1055	J-77	50.00	P1	0.0153	101.31	51	57	51
92	B-023a	50.00	P1	0.0153	101.29	51	57	51
167	B-034	50.00	P1	0.0123	101.29	51	57	51
882	J-23	50.01	P1	0.0184	101.28	51	57	51
1153	J-103	44.25	P6	0.0550	95.47	51	62	51
247	S-002	53.50	P9	0.0487	104.71	51	53	51
138	J-272	44.25	P7	0.0317	95.46	51	62	51
260	S-025	53.50	P8	0.0572	104.70	51	53	51
256	S-046	53.50	P8	0.0304	104.69	51	53	51
981	J-54	51.00	P9	0.0503	102.17	51	56	51
305	L-033	44.30	P6	0.0183	95.47	51	62	51
1173	J-110	44.30	P7	0.0106	95.46	51	62	51
1559	J-230	44.00	<None>	0.0000	95.14	51	62	51
885	J-24	50.25	P1	0.0123	101.28	51	56	51
142	L-1010	44.60	P7	0.0211	95.46	51	62	50
1159	J-104	44.60	P7	0.0281	95.46	51	62	50
135	J-275	44.60	P7	0.0211	95.46	51	62	50
163	B-027	50.50	P1	0.0123	101.33	51	56	50
140	L-1015	44.75	P7	0.0106	95.46	51	62	50
173	B-074	44.80	P6	0.0122	95.47	51	62	50
218	B-019	50.50	P2	0.0755	101.16	51	56	50
336	L-042	44.80	P7	0.0246	95.46	51	62	50
344	B-067	44.50	P6	0.0061	95.14	51	62	50
94	B-030a	50.69	P1	0.0276	101.31	50	56	50
1268	J-149	54.10	P8	0.0326	104.70	50	53	50
1053	J-76	50.75	P1	0.0153	101.31	50	56	50
141	J-269	45.00	P7	0.0176	95.45	50	61	50
295	L-024	45.00	P6	0.0122	95.45	50	61	50
861	J-15	45.10	P7	0.0176	95.46	50	61	50
143	L-1005	45.10	P7	0.0070	95.46	50	61	50
1315	J-165	51.00	P1	0.0153	101.31	50	56	50
866	J-17	51.00	P1	0.0123	101.31	50	56	50
864	J-16	51.00	P1	0.0092	101.31	50	56	50
133	J-277	45.25	P7	0.0211	95.46	50	61	50
1462	J-213	54.50	<None>	0.0000	104.70	50	52	50
189	B-063	52.00	P9	0.1173	102.17	50	55	50
859	J-14	45.40	P7	0.0352	95.46	50	61	50
1265	J-148	54.67	P8	0.0237	104.70	50	52	50
889	J-25	51.25	P1	0.0123	101.26	50	55	50
215	B-021	51.50	P2	0.0375	101.24	50	55	49
266	S-035	55.10	P10	0.0473	104.70	49	52	49
297	L-043	46.00	P7	0.0211	95.46	49	60	49
174	L-047	46.00	P6	0.0244	95.44	49	60	49
182	B-068	45.80	P6	0.0336	95.15	49	61	49
211	B-030	52.00	P1	0.0399	101.34	49	55	49
186	B-055	53.00	P1	0.0241	102.27	49	54	49
210	B-028	52.25	P1	0.0184	101.35	49	54	49
849	J-11	55.75	P10	0.0000	104.70	49	51	49
267	S-024	55.80	P10	0.0270	104.70	49	51	49
1360	J-179	46.60	P6	0.0153	95.42	49	60	48

	S-034	55.90	P10	0.0326	104.70	49	51	49
248	S-042	56.00	P10	0.0395	104.70	49	51	48
115	B-071a	46.80	P6	0.0336	95.45	49	60	48
170	B-035	53.00	P1	0.0245	101.48	48	54	48
262	S-023	56.35	P10	0.0150	104.70	48	50	48
1059	J-78	53.03	P1	0.0215	101.34	48	54	48
342	B-043	54.00	P12	0.0018	102.22	48	53	48
271	S-022	56.50	P10	0.0150	104.70	48	50	48
1401	J-192	54.06	P12	0.0092	102.23	48	53	48
175	B-076	47.25	P6	0.0092	95.42	48	59	48
1419	J-197	53.50	P2	0.0236	101.26	48	53	47
274	S-012	57.00	P8	0.0266	104.70	48	50	47
203	B-044	55.00	P1	0.0111	102.41	47	52	47
208	B-029	54.00	P1	0.0184	101.35	47	53	47
176	B-073	48.25	P6	0.0580	95.42	47	58	47
263	S-021	57.60	P10	0.0449	104.71	47	49	47
993	J-58	54.55	P1	0.0031	101.54	47	52	47
1271	J-150	57.74	P8	0.0414	104.70	47	49	47
185	B-057	55.50	P9	0.0419	102.37	47	51	47
209	B-031	54.50	P1	0.0276	101.36	47	52	47
842	J-8	57.90	P10	0.0182	104.70	47	49	47
950	J-45	54.50	P2	0.0755	101.15	47	52	46
333	B-041	55.00	P1	0.0061	101.65	47	52	46
1029	J-69	55.89	P9	0.0419	102.38	46	51	46
845	J-9	58.25	P10	0.0213	104.70	46	48	46
180	B-070	49.10	P6	0.0214	95.43	46	57	46
936	J-40	54.81	P2	0.0295	101.14	46	52	46
325	B-016	55.00	P2	0.0378	101.14	46	52	46
991	J-57	55.50	P1	0.0031	101.58	46	51	46
870	J-19	55.30	P1	0.0337	101.36	46	51	46
1008	J-62	56.50	P12	0.0240	102.52	46	50	46
1033	J-70	56.49	P12	0.0129	102.47	46	50	46
83	B-055a	56.50	P9	0.0469	102.45	46	50	46
105	B-021a	55.25	P2	0.0661	101.19	46	51	46
178	B-072	49.50	P6	0.0244	95.43	46	57	45
337	B-075	49.50	P6	0.0244	95.37	46	57	45
117	B-068a	49.50	P8	0.0428	95.20	46	57	45
96	B-028a	55.69	P1	0.0276	101.37	46	51	45
1560	J-231	49.75	<None>	0.0000	95.39	46	57	45
206	B-037	56.00	P1	0.0123	101.47	45	51	45
205	B-032	56.00	P1	0.0705	101.36	45	51	45
100	B-036a	56.00	P1	0.0491	101.32	45	51	45
179	B-069	50.00	P8	0.0183	95.25	45	56	45
192	B-064	57.00	P9	0.0922	102.25	45	50	45
1015	J-65	57.50	P9	0.0293	102.63	45	49	45
198	B-046	57.50	P12	0.0092	102.58	45	49	45
1311	J-164	50.35	P8	0.0305	95.27	45	56	44
1019	J-66	57.75	P9	0.0251	102.65	45	49	45
95	B-031b	56.50	P1	0.0307	101.38	45	50	45
1277	J-151	59.90	P8	0.0503	104.70	45	47	45
114	S-004a	60.00	P10	0.0577	104.71	45	47	44
268	S-011	60.00	P10	0.0237	104.70	45	47	44
97	B-031a	56.76	P1	0.0460	101.37	44	50	44
199	B-047	58.00	P12	0.0111	102.56	44	49	44
116	B-068b	50.75	P8	0.0153	95.23	44	56	44
1457	J-211	60.46	<None>	0.0000	104.70	44	46	44
188	B-059	58.50	P9	0.0712	102.58	44	48	44
1022	J-67	58.75	P9	0.0209	102.79	44	48	44
112	B-055b	59.00	P9	0.0293	102.57	43	48	43
213	B-036	58.00	P1	0.0307	101.39	43	49	43
272	S-010	61.50	P10	0.0266	104.70	43	45	43
943	J-43	58.00	P2	0.0213	101.18	43	49	43
940	J-42	58.37	P2	0.0461	101.17	43	48	42
111	B-018a	58.50	P2	0.0283	101.22	43	48	42
217	B-018	58.50	P2	0.0614	101.17	43	48	42
200	B-048	60.00	P12	0.0213	102.66	43	47	42
877	J-21	58.75	P1	0.0307	101.40	43	48	42
275	S-018	62.50	P11	0.0413	104.71	42	44	42
74	S-115	62.90	P10	0.0330	104.71	42	44	42
1452	J-209	62.90	<None>	0.0000	104.70	42	44	42
947	J-44	59.79	P2	0.0330	101.17	41	47	41
153	B-077	62.00	P12	0.0168	103.26	41	45	41
219	B-017	60.00	P2	0.0283	101.17	41	47	41
76	S-105	63.90	P10	0.0486	104.71	41	43	41
75	S-110	63.90	P10	0.0334	104.71	41	43	41
280	S-009	63.90	P10	0.0296	104.71	41	43	41
838	J-7	64.00	P11	0.0413	104.71	41	43	40
172	B-042	61.00	P1	0.0190	101.65	41	46	40
101	S-008a	64.10	P10	0.0414	104.70	41	43	40
193	B-051	62.50	P12	0.0377	103.02	40	44	40
191	B-061	62.00	P9	0.0587	102.50	40	45	40
1351	J-177	63.25	P12	0.0293	103.71	40	43	40
985	J-55	62.50	P12	0.0283	102.85	40	44	40
270	S-008	64.60	P10	0.0030	104.71	40	42	40
98	B-038a	61.50	P1	0.0368	101.37	40	45	40
197	B-050	63.00	P12	0.0116	102.85	40	44	40
242	S-019	64.95	P11	0.0000	104.71	40	42	40
998	J-59	62.75	P1	0.0141	102.47	40	44	39

	J-4	65.00	P11	0.0000	104.71	40	42	39
71	823-A	67.50	P1	0.0018	107.00	39	39	39
207	B-038	62.00	P1	0.0215	101.38	39	45	39
1398	J-191	62.00	P2	0.0330	101.20	39	45	39
873	J-20	62.50	P1	0.0552	101.37	39	44	39
279	S-007	66.00	P10	0.0089	104.71	39	41	38
832	J-5	66.10	P11	0.0000	104.71	39	41	38
196	B-052	64.50	P12	0.0209	103.02	38	42	38
234	S-052	66.50	P11	0.0413	104.71	38	40	38
276	S-017	66.50	P11	0.0413	104.71	38	40	38
1005	J-61	64.43	P12	0.0332	102.54	38	42	38
1258	J-146	66.80	P10	0.0274	104.71	38	40	38
146	B-081	65.00	P12	0.0369	102.83	38	42	38
1261	J-147	66.90	P10	0.0150	104.71	38	40	38
156	S-NEIGHBOURHOODCENTRE	68.50	P12	0.2394	106.29	38	38	38
73	S-120	67.00	P11	0.0413	104.71	38	40	37
99	B-039a	64.00	P1	0.0552	101.37	37	43	37
1425	J-199	65.70	P12	0.0503	103.03	37	41	37
826	J-2	67.50	P11	0.0000	104.71	37	39	37
1001	J-60	65.75	P12	0.0240	102.63	37	41	37
283	S-006	67.90	P10	0.0151	104.71	37	39	37
187	B-060	66.00	P9	0.0335	102.55	36	41	36
202	B-045	66.00	P1	0.0055	102.48	36	41	36
1347	J-176	68.33	P10	0.0091	104.71	36	38	36
84	B-045a	66.13	P12	0.0222	102.49	36	41	36
334	S-001	68.50	P9	0.0114	104.72	36	38	36
816	A-01	68.50	P11	0.0413	104.71	36	38	36
201	B-049	66.50	P12	0.0018	102.67	36	40	36
1048	J-74	69.00	P9	0.0000	104.73	36	38	36
77	S-100	69.00	P9	0.0042	104.73	36	38	36
148	B-079	66.00	P1	0.0123	101.65	36	41	35
1037	J-71	67.10	P12	0.0055	102.74	36	40	35
264	S-004	69.10	P10	0.0091	104.72	36	38	35
989	J-56	69.00	P9	0.0000	104.61	36	38	35
1343	J-175	69.22	P10	0.0061	104.72	35	38	35
277	S-020	69.25	P11	0.0413	104.71	35	37	35
1408	J-194	69.26	P9	0.0168	104.61	35	37	35
330	S-055	71.00	P11	0.0000	106.29	35	36	35
335	S-005	69.75	P10	0.0274	104.72	35	37	35
160	S-053	69.75	P10	0.0000	104.72	35	37	35
1335	J-173	70.60	P12	0.0000	105.51	35	36	35
834	J-6	70.00	P11	0.0413	104.71	35	37	34
1041	J-72	68.25	P12	0.0314	102.76	34	38	34
204	B-039	67.00	P1	0.0153	101.37	34	40	34
828	J-3	70.50	P11	0.0000	104.71	34	36	34
70	823-B	67.50	P1	0.0000	101.65	34	39	34
1422	J-198	70.60	P11	0.0413	104.71	34	36	34
278	S-014	70.80	P11	0.0000	104.71	34	36	34
281	S-016	71.00	P11	0.0413	104.71	34	36	34
822	J-1	71.10	P11	0.0413	104.71	34	36	33
1293	J-157	69.00	P12	0.0092	102.61	34	38	33
168	B-040	68.00	P1	0.0061	101.37	33	39	33
194	B-054	70.00	P12	0.0203	102.79	33	37	33
1297	J-158	70.00	P12	0.0074	102.79	33	37	33
85	B-049a	70.00	P12	0.0129	102.77	33	37	32
1302	J-160	70.00	P12	0.0111	102.77	33	37	32
1292	J-156	70.25	P12	0.0111	102.61	32	36	32
1051	J-75	72.50	P11	0.0413	104.71	32	34	32
329	S-015	72.75	P11	0.0413	104.71	32	34	32
145	B-082	72.00	P9	0.0545	103.40	31	35	31
1044	J-73	71.62	P12	0.0314	102.80	31	35	31
195	B-053	72.60	P12	0.0092	102.90	30	34	30
1339	J-174	72.81	P12	0.0344	102.98	30	34	30
147	B-080	73.00	P12	0.0084	103.05	30	34	30
69	1227-A	79.23	P9	0.0000	106.48	27	28	27
68	1227-B	79.23	P9	0.0000	106.42	27	28	27
79	L-040a	44.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
80	L-034a	47.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
81	B-016a	53.00	P2	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
82	B-014a	46.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
86	L-ECO-008	36.95	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
87	L-ECO_007	41.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
88	L-ECO-006	37.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
89	L-010a	42.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
90	L-ECO-005	40.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
103	L-035	45.94	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
109	L-035a	39.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
110	L-008a	36.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
162	B-005	51.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
220	B-013	49.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
221	B-015	52.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
222	B-014	46.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
223	B-012	43.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
224	B-008	50.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
225	B-011	50.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
226	B-007	48.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
227	B-006	50.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
228	B-004	48.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)

	B-010	49.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
230	B-009	53.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
231	B-002	46.25	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
284	L-ECO-004	39.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
285	L-ECO-003	40.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
286	L-ECO-002	42.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
287	L-ECO-001	43.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
288	L-041	37.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
289	L-001	42.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
292	L-034	43.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
294	L-045	41.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
312	L-037	41.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
313	L-039	40.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
314	L-040	38.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
315	L-038	48.75	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
316	L-036	47.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
317	L-012	43.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
318	L-009	45.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
319	L-003	45.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
320	L-008	40.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
321	L-010	36.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
322	L-004	49.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
323	L-007	40.90	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
324	L-006	43.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
340	L-005	45.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
341	B-003	48.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
346	L-002	42.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
893	J-26	45.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
895	J-27	44.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
899	J-28	53.75	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
906	J-31	50.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
910	J-32	39.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
913	J-33	45.41	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
917	J-34	38.25	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
918	J-35	38.75	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
922	J-36	47.06	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
925	J-37	44.75	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
929	J-38	47.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
932	J-39	38.72	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1064	J-79	41.17	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1067	J-80	40.80	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1070	J-81	41.66	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1073	J-82	41.32	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1076	J-83	39.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1080	J-84	40.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1084	J-85	35.85	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1087	J-86	42.25	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1092	J-87	38.10	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1096	J-88	46.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1099	J-89	43.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1102	J-90	38.56	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1106	J-91	47.68	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1110	J-92	48.10	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1113	J-93	41.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1117	J-94	41.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1120	J-95	40.76	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1124	J-96	50.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1127	J-97	45.80	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1131	J-98	48.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1138	J-100	42.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1299	J-159	55.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1416	J-196	43.81	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1507	J-221	49.54	<None>	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1550	J-227	50.95	<None>	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1553	J-228	51.80	<None>	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1556	J-229	50.77	<None>	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)

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Scenario: Interim (ROL 13) - Teviot Road Connection
Current Time Step: 19.000 h
FlexTable: Junction Table

ID	Label	Elevation (m)	Zone	Demand (L/s)	Hydraulic Grade (m)	Pressure (m H2O)	Pressure (Maximum) (m H2O)	Pressure (Minimum) (m H2O)
1147	P14 - Low Point	33.00	P5	0.1564	104.45	71	73	62
130	L-1085	33.63	P5	0.0696	104.49	71	73	61
1547	P-14 DemandB	33.89	<None>	1.4359	104.37	70	72	61
309	L-019	34.60	P5	0.0398	104.37	70	72	60
301	L-028	35.00	P6	0.0100	104.33	69	71	60
127	L-027a	35.10	P5	0.0000	104.37	69	71	60
1355	J-178	35.00	P7	0.0473	104.25	69	71	60
1441	J-205	35.25	<None>	0.0000	104.37	69	71	60
232	I-SPORT&RECPARK	36.00	P5	0.0000	104.82	69	70	59
311	L-018	37.00	P5	0.0398	104.74	68	69	58
144	L-1000	36.60	P7	0.0236	104.26	67	70	58
308	L-027	37.00	P5	0.0000	104.58	67	69	58
1446	J-207	36.80	<None>	0.0000	104.25	67	70	58
338	L-021	37.10	P6	0.0498	104.28	67	69	58
345	L-013	38.30	P5	0.0298	104.81	66	68	57
300	L-031	38.10	P6	0.0399	104.31	66	68	57
124	L-1050	38.50	P6	0.0698	104.31	66	68	56
1521	J-223	39.77	<None>	0.0000	104.84	65	67	56
233	P14 Demand A	39.75	P5	1.4725	104.82	65	67	55
1372	J-184	40.00	P1	0.0000	104.87	65	66	56
290	L-014	40.00	P6	0.0099	104.84	65	66	55
1143	J-101	40.10	P5	0.0398	104.82	65	66	55
1371	J-Primary School	40.25	P1	0.0000	104.87	64	66	55
107	T-1010	40.33	P1	0.0000	104.86	64	66	55
1168	J-109	39.90	P7	0.0827	104.24	64	66	55
307	L-015	40.50	P1	0.0000	104.81	64	66	54
149	I-SCHOOL	40.50	P6	0.0000	104.81	64	66	54
327	L-SCHOOL	40.50	P6	0.2592	104.81	64	66	54
299	L-022	40.10	P6	0.0797	104.28	64	66	55
328	L-016	40.80	P1	0.0000	104.81	64	66	54
123	L-1055	40.75	P6	0.0698	104.31	63	66	54
1164	J-107	40.80	P7	0.1418	104.23	63	66	54
1369	J-High School	41.75	P6	0.3388	104.81	63	65	53
1466	I-High School	41.75	P6	0.0000	104.81	63	65	53
1165	J-108	41.25	P7	0.0709	104.24	63	65	54
1163	J-106	41.75	P7	0.0318	104.23	62	65	53
1540	J-225	42.65	<None>	0.0000	104.78	62	64	52
723	J-1	43.00	P5	0.0000	105.10	62	64	56
1162	J-105	42.25	P7	0.1418	104.23	62	64	53
106	T-1005	43.15	P5	0.0000	105.03	62	63	54
326	L-017	43.25	P6	0.0199	104.77	61	63	51
1405	P9 Low Point	44.00	P9	0.0000	105.30	61	63	58
296	L-044	43.00	P7	0.1063	104.22	61	63	52
1328	J-AFL maintenance shed	44.00	P1	0.0000	105.10	61	63	55
1559	J-230	44.00	<None>	0.0000	104.77	61	62	51
137	J-273	43.60	P7	0.1063	104.22	60	63	51
136	J-274	43.60	P7	0.0473	104.21	60	63	51
181	B-078	43.80	P6	0.0797	104.30	60	63	51
807	J-2	43.75	P7	0.0354	104.23	60	63	51
291	B-066	45.00	P9	0.0139	105.30	60	62	57
344	B-067	44.50	P6	0.0199	104.76	60	62	50
139	L-1020	44.00	P7	0.1300	104.24	60	62	51
332	B-026	45.00	P1	0.0200	105.22	60	62	56
960	J-48	45.00	P2	0.0100	105.22	60	62	56
957	J-47	45.00	P2	0.0474	105.22	60	62	56
971	J-51	45.00	P1	0.0000	105.21	60	62	55
964	J-49	45.00	P1	0.0000	105.20	60	62	55
134	J-276	44.10	P7	0.0945	104.21	60	62	51
1153	J-103	44.25	P6	0.1794	104.31	60	62	51
305	L-033	44.30	P6	0.0598	104.31	60	62	51
138	J-272	44.25	P7	0.1063	104.22	60	62	51
1173	J-110	44.30	P7	0.0354	104.23	60	62	51
246	S-003	46.00	P9	0.0694	105.80	60	61	58
142	L-1010	44.60	P7	0.0709	104.23	59	62	50
1159	J-104	44.60	P7	0.0945	104.23	59	62	50
135	J-275	44.60	P7	0.0709	104.21	59	62	50
293	L-SPORT&RECCLUBHOUSE	45.50	P6	0.0840	105.03	59	61	52
1498	I-Sport and Rec Irrigation Node	45.50	P6	0.0000	105.03	59	61	52
173	B-074	44.80	P6	0.0399	104.31	59	62	50
140	L-1015	44.75	P7	0.0354	104.23	59	62	50
967	J-50	45.75	P2	0.0100	105.22	59	61	55
336	L-042	44.80	P7	0.0827	104.22	59	62	50
978	J-53	46.00	P9	0.1526	105.30	59	61	56
295	L-024	45.00	P6	0.0399	104.28	59	61	50
141	J-269	45.00	P7	0.0591	104.26	59	61	50
214	B-025	46.00	P1	0.0998	105.22	59	61	55
861	J-15	45.10	P7	0.0591	104.23	59	61	50
143	L-1005	45.10	P7	0.0236	104.23	59	61	50

133	J-277	45.25	P7	0.0709	104.21	59	61	50
182	B-068	45.80	P6	0.1097	104.75	59	61	49
1395	P8 Low Point	46.75	P8	0.0987	105.68	59	60	58
859	J-14	45.40	P7	0.1181	104.21	59	61	50
190	B-062	46.50	P9	0.0971	105.31	59	60	55
250	S-038	47.10	P8	0.0099	105.69	58	60	57
108	T-1001	46.69	P1	0.0299	105.22	58	60	54
238	S-037	47.25	P8	0.0987	105.69	58	59	57
236	S-039	47.35	P8	0.0987	105.68	58	59	57
183	B-065	47.00	P9	0.1248	105.30	58	60	55
1319	J-166	46.94	P1	0.0000	105.24	58	60	54
174	L-047	46.00	P6	0.0797	104.30	58	60	49
1364	J-180	47.00	P1	0.0000	105.29	58	60	54
297	L-043	46.00	P7	0.0709	104.21	58	60	49
1187	J-115	47.00	P2	0.0631	105.19	58	60	54
1281	J-152	47.50	P8	0.1185	105.68	58	59	57
1332	J-AFL Club House	47.26	P1	0.0000	105.26	58	59	54
216	B-024	47.25	P2	0.1646	105.21	58	59	54
854	J-13	47.80	P8	0.0987	105.68	58	59	57
1324	J-168	47.51	P1	0.0000	105.27	58	59	54
93	B-025a	47.50	P1	0.0998	105.22	58	59	53
1360	J-179	46.60	P6	0.0498	104.31	58	60	48
115	B-071a	46.80	P6	0.1097	104.30	57	60	48
1365	J-181	47.83	P1	0.0000	105.29	57	59	54
851	J-12	48.30	P8	0.0592	105.68	57	58	56
1288	J-155	48.35	P10	0.0697	105.73	57	58	56
253	S-040	48.35	P8	0.0494	105.68	57	58	56
113	B-058a	48.00	P9	0.0555	105.31	57	59	54
165	B-033	48.00	P1	0.0299	105.23	57	59	53
331	B-023	48.00	P1	0.0599	105.22	57	59	53
974	J-52	48.13	P9	0.0971	105.31	57	58	53
175	B-076	47.25	P6	0.0299	104.32	57	59	48
237	S-054	48.80	P8	0.0987	105.68	57	58	56
251	S-030	48.85	P8	0.1093	105.68	57	58	56
954	J-46	48.50	P2	0.1421	105.20	57	58	52
1189	J-116	48.50	P2	0.1421	105.20	57	58	52
104	B-064a	48.75	P9	0.2081	105.30	56	58	53
91	B-023b	48.82	P1	0.1497	105.22	56	58	52
1384	J-188	49.50	P1	0.0398	105.73	56	57	55
212	B-022	49.00	P1	0.0399	105.22	56	58	52
235	S-041	49.60	P8	0.0592	105.68	56	57	55
176	B-073	48.25	P6	0.1894	104.31	56	58	47
252	S-031	49.65	P8	0.0794	105.68	56	57	55
184	B-056	49.50	P9	0.1110	105.38	56	57	52
243	S-044	50.00	P8	0.0995	105.72	56	57	54
157	B-020	49.50	P2	0.1776	105.21	56	57	51
258	S-029	50.00	P8	0.2078	105.69	56	57	54
255	S-032	50.00	P8	0.0694	105.68	56	57	54
1026	J-68	50.00	P9	0.0971	105.39	55	57	52
167	B-034	50.00	P1	0.0399	105.24	55	57	51
1055	J-77	50.00	P1	0.0499	105.22	55	57	51
92	B-023a	50.00	P1	0.0499	105.22	55	57	51
882	J-23	50.01	P1	0.0599	105.22	55	57	51
102	S-027a	50.50	P8	0.1679	105.71	55	56	54
180	B-070	49.10	P6	0.0698	104.30	55	57	46
259	S-043	50.60	P8	0.2090	105.75	55	56	54
117	B-068a	49.50	P8	0.1396	104.64	55	57	45
254	S-033	50.60	P8	0.0298	105.68	55	56	54
885	J-24	50.25	P1	0.0399	105.22	55	56	51
337	B-075	49.50	P6	0.0797	104.38	55	57	45
343	B-058	50.50	P9	0.1248	105.36	55	56	51
178	B-072	49.50	P6	0.0797	104.31	55	57	45
163	B-027	50.50	P1	0.0399	105.22	55	56	50
261	S-028	51.00	P8	0.0893	105.71	55	56	53
218	B-019	50.50	P2	0.2526	105.19	55	56	50
1560	J-231	49.75	<None>	0.0000	104.35	54	57	45
179	B-069	50.00	P8	0.0598	104.53	54	56	45
94	B-030a	50.69	P1	0.0898	105.22	54	56	50
1053	J-76	50.75	P1	0.0499	105.22	54	56	50
981	J-54	51.00	P9	0.1665	105.31	54	56	51
1315	J-165	51.00	P1	0.0499	105.24	54	56	50
866	J-17	51.00	P1	0.0399	105.22	54	56	50
864	J-16	51.00	P1	0.0299	105.22	54	56	50
257	S-045	51.50	P8	0.1394	105.68	54	55	53
245	S-047	51.50	P8	0.0995	105.68	54	55	53
1311	J-164	50.35	P8	0.0997	104.50	54	56	44
889	J-25	51.25	P1	0.0399	105.22	54	55	50
282	S-027	51.80	P8	0.0694	105.72	54	55	53
116	B-068b	50.75	P8	0.0498	104.57	54	56	44
215	B-021	51.50	P2	0.1246	105.22	54	55	49
265	S-036	52.20	P8	0.1086	105.75	53	54	52
1285	J-153	52.30	P10	0.1294	105.72	53	54	52
249	S-013	52.30	P8	0.1580	105.71	53	54	52
189	B-063	52.00	P9	0.3884	105.31	53	55	50
211	B-030	52.00	P1	0.1297	105.22	53	55	49
273	S-026	52.65	P8	0.0496	105.75	53	54	52
210	B-028	52.25	P1	0.0599	105.22	53	54	49
118	S-044a	52.85	P8	0.0896	105.71	53	54	52

	J-161	53.00	P11	0.0000	105.81	53	54	51
186	B-055	53.00	P1	0.0795	105.39	52	54	49
247	S-002	53.50	P9	0.1607	105.80	52	53	51
170	B-035	53.00	P1	0.0798	105.27	52	54	48
260	S-025	53.50	P8	0.1886	105.75	52	53	51
1059	J-78	53.03	P1	0.0699	105.22	52	54	48
256	S-046	53.50	P8	0.0995	105.68	52	53	51
1419	J-197	53.50	P2	0.0789	105.22	52	53	47
1268	J-149	54.10	P8	0.1086	105.75	52	53	50
342	B-043	54.00	P12	0.0060	105.39	51	53	48
1401	J-192	54.06	P12	0.0300	105.39	51	53	48
208	B-029	54.00	P1	0.0599	105.22	51	53	47
1462	J-213	54.50	<None>	0.0000	105.71	51	52	50
1265	J-148	54.67	P8	0.0790	105.75	51	52	50
993	J-58	54.55	P1	0.0100	105.27	51	52	47
209	B-031	54.50	P1	0.0898	105.22	51	52	47
950	J-45	54.50	P2	0.2526	105.20	51	52	46
266	S-035	55.10	P10	0.1580	105.76	51	52	49
203	B-044	55.00	P1	0.0360	105.42	50	52	47
936	J-40	54.81	P2	0.0987	105.20	50	52	46
333	B-041	55.00	P1	0.0200	105.29	50	52	46
325	B-016	55.00	P2	0.1263	105.20	50	52	46
849	J-11	55.75	P10	0.0000	105.77	50	51	49
267	S-024	55.80	P10	0.0893	105.77	50	51	49
105	B-021a	55.25	P2	0.2210	105.20	50	51	46
870	J-19	55.30	P1	0.1098	105.22	50	51	46
185	B-057	55.50	P9	0.1387	105.40	50	51	47
269	S-034	55.90	P10	0.1086	105.77	50	51	49
991	J-57	55.50	P1	0.0100	105.28	50	51	46
248	S-042	56.00	P10	0.1294	105.77	50	51	48
96	B-028a	55.69	P1	0.0898	105.23	49	51	45
1029	J-69	55.89	P9	0.1387	105.40	49	51	46
262	S-023	56.35	P10	0.0496	105.78	49	50	48
271	S-022	56.50	P10	0.0495	105.79	49	50	48
206	B-037	56.00	P1	0.0399	105.25	49	51	45
100	B-036a	56.00	P1	0.1597	105.23	49	51	45
205	B-032	56.00	P1	0.2296	105.22	49	51	45
1033	J-70	56.49	P12	0.0420	105.44	49	50	46
1008	J-62	56.50	P12	0.0779	105.44	49	50	46
83	B-055a	56.50	P9	0.1548	105.43	49	50	46
95	B-031b	56.50	P1	0.0998	105.23	49	50	45
274	S-012	57.00	P8	0.0889	105.72	49	50	47
97	B-031a	56.76	P1	0.1497	105.23	48	50	44
192	B-064	57.00	P9	0.3052	105.32	48	50	45
263	S-021	57.60	P10	0.1487	105.80	48	49	47
1271	J-150	57.74	P8	0.1382	105.75	48	49	47
198	B-046	57.50	P12	0.0300	105.46	48	49	45
1015	J-65	57.50	P9	0.0971	105.44	48	49	45
842	J-8	57.90	P10	0.0597	105.79	48	49	47
1019	J-66	57.75	P9	0.0832	105.44	48	49	45
845	J-9	58.25	P10	0.0697	105.79	47	48	46
199	B-047	58.00	P12	0.0360	105.45	47	49	44
213	B-036	58.00	P1	0.0998	105.23	47	49	43
943	J-43	58.00	P2	0.0711	105.20	47	49	43
188	B-059	58.50	P9	0.2358	105.42	47	48	44
940	J-42	58.37	P2	0.1540	105.20	47	48	42
1022	J-67	58.75	P9	0.0694	105.49	47	48	44
111	B-018a	58.50	P2	0.0947	105.20	47	48	42
217	B-018	58.50	P2	0.2052	105.20	47	48	42
877	J-21	58.75	P1	0.0998	105.23	46	48	42
112	B-055b	59.00	P9	0.0971	105.44	46	48	43
1277	J-151	59.90	P8	0.1679	105.77	46	47	45
114	S-004a	60.00	P10	0.1891	105.80	46	47	44
268	S-011	60.00	P10	0.0790	105.75	46	47	44
200	B-048	60.00	P12	0.0697	105.47	45	47	42
947	J-44	59.79	P2	0.1105	105.20	45	47	41
1457	J-211	60.46	<None>	0.0000	105.76	45	46	44
219	B-017	60.00	P2	0.0947	105.20	45	47	41
172	B-042	61.00	P1	0.0619	105.29	44	46	40
272	S-010	61.50	P10	0.0889	105.77	44	45	43
98	B-038a	61.50	P1	0.1198	105.23	44	45	40
153	B-077	62.00	P12	0.0555	105.62	44	45	41
191	B-061	62.00	P9	0.1942	105.39	43	45	40
275	S-018	62.50	P11	0.1381	105.83	43	44	42
207	B-038	62.00	P1	0.0699	105.23	43	45	39
1398	J-191	62.00	P2	0.1105	105.20	43	45	39
193	B-051	62.50	P12	0.1248	105.56	43	44	40
985	J-55	62.50	P12	0.0933	105.50	43	44	40
74	S-115	62.90	P10	0.1090	105.82	43	44	42
1452	J-209	62.90	<None>	0.0000	105.78	43	44	42
873	J-20	62.50	P1	0.1797	105.23	43	44	39
998	J-59	62.75	P1	0.0460	105.43	43	44	39
197	B-050	63.00	P12	0.0379	105.50	42	44	40
1351	J-177	63.25	P12	0.0971	105.73	42	43	40
76	S-105	63.90	P10	0.1593	105.83	42	43	41
75	S-110	63.90	P10	0.1095	105.82	42	43	41
280	S-009	63.90	P10	0.0987	105.80	42	43	41
838	J-7	64.00	P11	0.1381	105.83	42	43	40

	S-008a	64.10	P10	0.1382	105.78	42	43	40
99	B-039a	64.00	P1	0.1797	105.23	41	43	37
270	S-008	64.60	P10	0.0099	105.80	41	42	40
196	B-052	64.50	P12	0.0694	105.56	41	42	38
1005	J-61	64.43	P12	0.1079	105.44	41	42	38
242	S-019	64.95	P11	0.0000	105.81	41	42	40
830	J-4	65.00	P11	0.0000	105.83	41	42	39
146	B-081	65.00	P12	0.1199	105.49	40	42	38
1425	J-199	65.70	P12	0.1665	105.56	40	41	37
279	S-007	66.00	P10	0.0296	105.81	40	41	38
832	J-5	66.10	P11	0.0000	105.84	40	41	38
1001	J-60	65.75	P12	0.0779	105.46	40	41	37
71	823-A	67.50	P1	0.0060	107.00	39	39	39
202	B-045	66.00	P1	0.0180	105.43	39	41	36
187	B-060	66.00	P9	0.1110	105.41	39	41	36
234	S-052	66.50	P11	0.1381	105.83	39	40	38
276	S-017	66.50	P11	0.1381	105.83	39	40	38
84	B-045a	66.13	P12	0.0720	105.43	39	41	36
148	B-079	66.00	P1	0.0399	105.29	39	41	35
1258	J-146	66.80	P10	0.0896	105.87	39	40	38
201	B-049	66.50	P12	0.0060	105.46	39	40	36
1261	J-147	66.90	P10	0.0496	105.84	39	40	38
73	S-120	67.00	P11	0.1381	105.84	39	40	37
826	J-2	67.50	P11	0.0000	105.88	38	39	37
1037	J-71	67.10	P12	0.0180	105.47	38	40	35
204	B-039	67.00	P1	0.0499	105.23	38	40	34
156	S-NEIGHBOURHOODCENTRE	68.50	P12	0.2812	106.68	38	38	38
283	S-006	67.90	P10	0.0497	105.85	38	39	37
70	823-B	67.50	P1	0.0000	105.29	38	39	34
1347	J-176	68.33	P10	0.0299	105.86	37	38	36
334	S-001	68.50	P9	0.0377	105.97	37	38	36
816	A-01	68.50	P11	0.1381	105.88	37	38	36
168	B-040	68.00	P1	0.0200	105.23	37	39	33
1041	J-72	68.25	P12	0.1019	105.47	37	38	34
1048	J-74	69.00	P9	0.0000	105.99	37	38	36
77	S-100	69.00	P9	0.0139	105.98	37	38	36
989	J-56	69.00	P9	0.0000	105.96	37	38	35
264	S-004	69.10	P10	0.0299	105.93	37	38	35
1408	J-194	69.26	P9	0.0555	105.96	37	37	35
1343	J-175	69.22	P10	0.0199	105.92	37	38	35
277	S-020	69.25	P11	0.1381	105.84	36	37	35
1293	J-157	69.00	P12	0.0300	105.45	36	38	33
335	S-005	69.75	P10	0.0896	105.90	36	37	35
160	S-053	69.75	P10	0.0000	105.90	36	37	35
834	J-6	70.00	P11	0.1381	105.85	36	37	34
1335	J-173	70.60	P12	0.0000	106.34	36	36	35
330	S-055	71.00	P11	0.0000	106.68	36	36	35
194	B-054	70.00	P12	0.0660	105.48	35	37	33
1297	J-158	70.00	P12	0.0240	105.48	35	37	33
85	B-049a	70.00	P12	0.0420	105.47	35	37	32
1302	J-160	70.00	P12	0.0360	105.47	35	37	32
828	J-3	70.50	P11	0.0000	105.88	35	36	34
1422	J-198	70.60	P11	0.1381	105.88	35	36	34
1292	J-156	70.25	P12	0.0360	105.45	35	36	32
278	S-014	70.80	P11	0.0000	105.88	35	36	34
281	S-016	71.00	P11	0.1381	105.88	35	36	34
822	J-1	71.10	P11	0.1381	105.88	35	36	33
1044	J-73	71.62	P12	0.1019	105.48	34	35	31
145	B-082	72.00	P9	0.1803	105.64	34	35	31
1051	J-75	72.50	P11	0.1381	105.88	33	34	32
329	S-015	72.75	P11	0.1381	105.88	33	34	32
195	B-053	72.60	P12	0.0300	105.51	33	34	30
1339	J-174	72.81	P12	0.1132	105.53	33	34	30
147	B-080	73.00	P12	0.0277	105.55	32	34	30
69	1227-A	79.23	P9	0.0000	106.77	27	28	27
68	1227-B	79.23	P9	0.0000	106.74	27	28	27
79	L-040a	44.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
80	L-034a	47.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
81	B-016a	53.00	P2	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
82	B-014a	46.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
86	L-ECO-008	36.95	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
87	L-ECO_007	41.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
88	L-ECO-006	37.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
89	L-010a	42.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
90	L-ECO-005	40.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
103	L-035	45.94	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
109	L-035a	39.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
110	L-008a	36.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
162	B-005	51.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
220	B-013	49.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
221	B-015	52.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
222	B-014	46.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
223	B-012	43.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
224	B-008	50.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
225	B-011	50.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
226	B-007	48.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
227	B-006	50.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
228	B-004	48.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)

	B-010	49.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
230	B-009	53.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
231	B-002	46.25	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
284	L-ECO-004	39.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
285	L-ECO-003	40.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
286	L-ECO-002	42.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
287	L-ECO-001	43.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
288	L-041	37.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
289	L-001	42.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
292	L-034	43.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
294	L-045	41.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
312	L-037	41.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
313	L-039	40.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
314	L-040	38.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
315	L-038	48.75	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
316	L-036	47.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
317	L-012	43.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
318	L-009	45.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
319	L-003	45.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
320	L-008	40.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
321	L-010	36.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
322	L-004	49.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
323	L-007	40.90	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
324	L-006	43.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
340	L-005	45.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
341	B-003	48.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
346	L-002	42.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
893	J-26	45.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
895	J-27	44.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
899	J-28	53.75	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
906	J-31	50.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
910	J-32	39.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
913	J-33	45.41	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
917	J-34	38.25	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
918	J-35	38.75	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
922	J-36	47.06	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
925	J-37	44.75	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
929	J-38	47.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
932	J-39	38.72	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1064	J-79	41.17	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1067	J-80	40.80	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1070	J-81	41.66	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1073	J-82	41.32	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1076	J-83	39.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1080	J-84	40.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1084	J-85	35.85	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1087	J-86	42.25	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1092	J-87	38.10	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1096	J-88	46.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1099	J-89	43.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1102	J-90	38.56	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1106	J-91	47.68	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1110	J-92	48.10	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1113	J-93	41.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1117	J-94	41.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1120	J-95	40.76	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1124	J-96	50.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1127	J-97	45.80	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1131	J-98	48.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1138	J-100	42.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1299	J-159	55.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1416	J-196	43.81	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1507	J-221	49.54	<None>	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1550	J-227	50.95	<None>	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1553	J-228	51.80	<None>	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1556	J-229	50.77	<None>	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)

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Scenario: Teviot Road Connection Fire Fighting Flow
Current Time Step: 15.500 h
FlexTable: Junction Table

ID	Label	Elevation (m)	Zone	Demand (L/s)	Hydraulic Grade (m)	Pressure (m H2O)	Pressure (Maximum) (m H2O)	Pressure (Minimum) (m H2O)
232	I-SPORT&RECPARK	36.00	P5	0.0000	100.72	65	70	59
345	L-013	38.30	P5	0.0226	100.64	62	68	57
311	L-018	37.00	P5	0.0302	98.62	61	69	58
1372	J-184	40.00	P1	0.0000	101.20	61	66	56
1521	J-223	39.77	<None>	0.0000	100.93	61	67	56
233	P14 Demand A	39.75	P5	1.1117	100.71	61	67	56
1371	J-Primary School	40.25	P1	0.0000	101.20	61	66	56
290	L-014	40.00	P6	0.0075	100.93	61	66	56
107	T-1010	40.33	P1	0.0000	101.14	61	66	55
307	L-015	40.50	P1	0.0000	101.13	60	66	54
149	I-SCHOOL	40.50	P6	0.0000	101.13	60	66	54
327	L-SCHOOL	40.50	P6	0.3984	101.13	60	66	54
1143	J-101	40.10	P5	0.0302	100.72	60	66	55
344	B-067	44.50	P6	0.0151	105.10	60	62	60
328	L-016	40.80	P1	0.0000	101.13	60	66	54
308	L-027	37.00	P5	0.0000	97.20	60	69	58
1405	P9 Low Point	44.00	P9	0.0000	103.81	60	63	58
723	J-1	43.00	P5	0.0000	102.68	60	64	56
1369	J-High School	41.75	P6	0.5212	101.13	59	65	53
1466	I-High School	41.75	P6	0.0000	101.13	59	65	53
182	B-068	45.80	P6	0.0832	105.10	59	61	59
246	S-003	46.00	P9	0.0525	105.18	59	61	58
301	L-028	35.00	P6	0.0076	94.15	59	71	59
127	L-027a	35.10	P5	0.0000	94.23	59	71	59
106	T-1005	43.15	P5	0.0000	102.23	59	63	54
1355	J-178	35.00	P7	0.0357	94.08	59	71	59
291	B-066	45.00	P9	0.0105	103.81	59	62	57
1328	J-AFL maintenance shed	44.00	P1	0.0000	102.68	59	63	55
1540	J-225	42.65	<None>	0.0000	101.13	58	64	52
332	B-026	45.00	P1	0.0152	103.43	58	62	56
957	J-47	45.00	P2	0.0358	103.42	58	62	56
960	J-48	45.00	P2	0.0076	103.42	58	62	56
1395	P8 Low Point	46.75	P8	0.0747	105.09	58	60	58
971	J-51	45.00	P1	0.0000	103.32	58	62	55
964	J-49	45.00	P1	0.0000	103.30	58	62	55
1441	J-205	35.25	<None>	0.0000	93.49	58	71	58
250	S-038	47.10	P8	0.0075	105.10	58	60	57
326	L-017	43.25	P6	0.0151	101.13	58	63	51
238	S-037	47.25	P8	0.0747	105.10	58	59	57
978	J-53	46.00	P9	0.1155	103.81	58	61	56
236	S-039	47.35	P8	0.0747	105.09	58	59	57
967	J-50	45.75	P2	0.0076	103.42	58	61	55
1281	J-152	47.50	P8	0.0896	105.10	57	59	57
144	L-1000	36.60	P7	0.0179	94.08	57	70	57
214	B-025	46.00	P1	0.0758	103.45	57	61	55
130	L-1085	33.63	P5	0.0528	90.96	57	73	57
190	B-062	46.50	P9	0.0735	103.80	57	60	55
854	J-13	47.80	P8	0.0747	105.09	57	59	57
1446	J-207	36.80	<None>	0.0000	94.07	57	70	57
309	L-019	34.60	P5	0.0302	91.77	57	72	57
338	L-021	37.10	P6	0.0378	94.10	57	69	57
183	B-065	47.00	P9	0.0945	103.81	57	60	55
851	J-12	48.30	P8	0.0448	105.09	57	58	56
1288	J-155	48.35	P10	0.0528	105.12	57	58	56
108	T-1001	46.69	P1	0.0227	103.44	57	60	54
253	S-040	48.35	P8	0.0373	105.09	57	58	56
293	L-SPORT&RECCLUBHOUSE	45.50	P6	0.1320	102.23	57	61	52
1498	I-Sport and Rec Irrigation Node	45.50	P6	0.0000	102.23	57	61	52
1547	P-14 DemandB	33.89	<None>	1.0848	90.60	57	72	57
1364	J-180	47.00	P1	0.0000	103.70	57	60	54
1147	P14 - Low Point	33.00	P5	15.1179	89.56	56	73	56
1319	J-166	46.94	P1	0.0000	103.48	56	60	54
1187	J-115	47.00	P2	0.0477	103.41	56	60	54
1332	J-AFL Club House	47.26	P1	0.0000	103.56	56	59	54
237	S-054	48.80	P8	0.0747	105.09	56	58	56
251	S-030	48.85	P8	0.0829	105.09	56	58	56
216	B-024	47.25	P2	0.1246	103.42	56	59	54
1324	J-168	47.51	P1	0.0000	103.62	56	59	54
300	L-031	38.10	P6	0.0303	94.12	56	68	56
93	B-025a	47.50	P1	0.0758	103.46	56	59	53
1365	J-181	47.83	P1	0.0000	103.70	56	59	54
113	B-058a	48.00	P9	0.0420	103.78	56	59	54
974	J-52	48.13	P9	0.0735	103.77	55	58	53
1384	J-188	49.50	P1	0.0302	105.12	55	57	55
124	L-1050	38.50	P6	0.0529	94.11	55	68	55
117	B-068a	49.50	P8	0.1059	105.10	55	57	55
337	B-075	49.50	P6	0.0605	105.09	55	57	55
235	S-041	49.60	P8	0.0448	105.09	55	57	55

165	B-033	48.00	P1	0.0227	103.46	55	59	53
331	B-023	48.00	P1	0.0455	103.46	55	59	53
252	S-031	49.65	P8	0.0602	105.09	55	57	55
243	S-044	50.00	P8	0.0755	105.11	55	57	54
258	S-029	50.00	P8	0.1573	105.10	55	57	54
179	B-069	50.00	P8	0.0454	105.09	55	57	54
255	S-032	50.00	P8	0.0526	105.09	55	57	54
104	B-064a	48.75	P9	0.1576	103.81	55	58	53
954	J-46	48.50	P2	0.1074	103.42	55	58	52
1189	J-116	48.50	P2	0.1074	103.42	55	58	52
1311	J-164	50.35	P8	0.0756	105.09	55	56	54
91	B-023b	48.82	P1	0.1136	103.47	55	58	52
102	S-027a	50.50	P8	0.1270	105.11	54	56	54
259	S-043	50.60	P8	0.1585	105.14	54	56	54
254	S-033	50.60	P8	0.0226	105.09	54	56	54
212	B-022	49.00	P1	0.0303	103.45	54	58	52
184	B-056	49.50	P9	0.0840	103.95	54	57	52
116	B-068b	50.75	P8	0.0378	105.09	54	56	54
1168	J-109	39.90	P7	0.0625	94.07	54	66	54
261	S-028	51.00	P8	0.0677	105.10	54	56	53
299	L-022	40.10	P6	0.0605	94.09	54	66	54
1026	J-68	50.00	P9	0.0735	103.96	54	57	52
157	B-020	49.50	P2	0.1343	103.42	54	57	51
257	S-045	51.50	P8	0.1057	105.09	53	55	53
245	S-047	51.50	P8	0.0755	105.09	53	55	53
167	B-034	50.00	P1	0.0303	103.49	53	57	51
1055	J-77	50.00	P1	0.0379	103.47	53	57	51
92	B-023a	50.00	P1	0.0379	103.47	53	57	51
882	J-23	50.01	P1	0.0455	103.46	53	57	51
343	B-058	50.50	P9	0.0945	103.90	53	56	51
123	L-1055	40.75	P6	0.0529	94.11	53	66	53
282	S-027	51.80	P8	0.0526	105.12	53	55	53
1164	J-107	40.80	P7	0.1071	94.06	53	66	53
885	J-24	50.25	P1	0.0303	103.46	53	56	51
163	B-027	50.50	P1	0.0303	103.48	53	56	50
265	S-036	52.20	P8	0.0822	105.15	53	54	52
218	B-019	50.50	P2	0.1910	103.41	53	56	50
1165	J-108	41.25	P7	0.0536	94.07	53	65	53
981	J-54	51.00	P9	0.1260	103.82	53	56	51
249	S-013	52.30	P8	0.1195	105.11	53	54	52
1285	J-153	52.30	P10	0.0981	105.11	53	54	52
94	B-030a	50.69	P1	0.0682	103.47	53	56	50
1053	J-76	50.75	P1	0.0379	103.47	53	56	50
1315	J-165	51.00	P1	0.0379	103.50	52	56	50
273	S-026	52.65	P8	0.0376	105.14	52	54	52
866	J-17	51.00	P1	0.0303	103.47	52	56	50
864	J-16	51.00	P1	0.0227	103.47	52	56	50
1163	J-106	41.75	P7	0.0241	94.06	52	65	52
118	S-044a	52.85	P8	0.0679	105.10	52	54	52
889	J-25	51.25	P1	0.0303	103.46	52	55	50
1304	J-161	53.00	P11	0.0000	105.20	52	54	51
215	B-021	51.50	P2	0.0943	103.45	52	55	49
189	B-063	52.00	P9	0.2941	103.82	52	55	50
1162	J-105	42.25	P7	0.1071	94.06	52	64	52
247	S-002	53.50	P9	0.1218	105.18	52	53	51
260	S-025	53.50	P8	0.1429	105.15	52	53	51
256	S-046	53.50	P8	0.0755	105.09	51	53	51
211	B-030	52.00	P1	0.0985	103.49	51	55	49
210	B-028	52.25	P1	0.0455	103.49	51	54	49
296	L-044	43.00	P7	0.0804	94.05	51	63	51
1268	J-149	54.10	P8	0.0822	105.15	51	53	50
186	B-055	53.00	P1	0.0602	103.95	51	54	49
1462	J-213	54.50	<None>	0.0000	105.12	50	52	50
170	B-035	53.00	P1	0.0606	103.58	50	54	48
1265	J-148	54.67	P8	0.0598	105.15	50	52	50
1059	J-78	53.03	P1	0.0530	103.49	50	54	48
137	J-273	43.60	P7	0.0804	94.05	50	63	50
136	J-274	43.60	P7	0.0357	94.05	50	63	50
807	J-2	43.75	P7	0.0268	94.06	50	63	50
181	B-078	43.80	P6	0.0605	94.08	50	63	50
139	L-1020	44.00	P7	0.0982	94.06	50	62	50
266	S-035	55.10	P10	0.1195	105.15	50	52	49
1419	J-197	53.50	P2	0.0597	103.45	50	53	47
134	J-276	44.10	P7	0.0714	94.05	50	62	50
342	B-043	54.00	P12	0.0046	103.93	50	53	48
1401	J-192	54.06	P12	0.0228	103.94	50	53	48
1153	J-103	44.25	P6	0.1361	94.10	50	62	50
138	J-272	44.25	P7	0.0804	94.05	50	62	50
305	L-033	44.30	P6	0.0454	94.10	50	62	50
1173	J-110	44.30	P7	0.0268	94.06	50	62	50
208	B-029	54.00	P1	0.0455	103.49	49	53	47
142	L-1010	44.60	P7	0.0536	94.06	49	62	49
1159	J-104	44.60	P7	0.0714	94.06	49	62	49
135	J-275	44.60	P7	0.0536	94.05	49	62	49
849	J-11	55.75	P10	0.0000	105.16	49	51	49
267	S-024	55.80	P10	0.0676	105.16	49	51	49
140	L-1015	44.75	P7	0.0268	94.06	49	62	49
173	B-074	44.80	P6	0.0303	94.10	49	62	49

	S-034	55.90	P10	0.0822	105.16	49	51	49
336	L-042	44.80	P7	0.0625	94.05	49	62	49
248	S-042	56.00	P10	0.0981	105.16	49	51	48
295	L-024	45.00	P6	0.0303	94.08	49	61	49
141	J-269	45.00	P7	0.0446	94.07	49	61	49
993	J-58	54.55	P1	0.0076	103.61	49	52	47
203	B-044	55.00	P1	0.0273	104.02	49	52	47
209	B-031	54.50	P1	0.0682	103.50	49	52	47
861	J-15	45.10	P7	0.0446	94.06	49	61	49
143	L-1005	45.10	P7	0.0179	94.06	49	61	49
950	J-45	54.50	P2	0.1910	103.41	49	52	46
262	S-023	56.35	P10	0.0376	105.17	49	50	48
133	J-277	45.25	P7	0.0536	94.05	49	61	49
271	S-022	56.50	P10	0.0375	105.17	49	50	48
333	B-041	55.00	P1	0.0152	103.65	49	52	46
859	J-14	45.40	P7	0.0893	94.05	49	61	49
936	J-40	54.81	P2	0.0746	103.41	48	52	46
185	B-057	55.50	P9	0.1050	103.98	48	51	47
325	B-016	55.00	P2	0.0955	103.41	48	52	46
870	J-19	55.30	P1	0.0833	103.50	48	51	46
105	B-021a	55.25	P2	0.1671	103.42	48	51	46
274	S-012	57.00	P8	0.0672	105.13	48	50	47
991	J-57	55.50	P1	0.0076	103.62	48	51	46
1029	J-69	55.89	P9	0.1050	103.99	48	51	46
174	L-047	46.00	P6	0.0605	94.08	48	60	48
297	L-043	46.00	P7	0.0536	94.05	48	60	48
96	B-028a	55.69	P1	0.0682	103.50	48	51	45
263	S-021	57.60	P10	0.1126	105.18	47	49	47
1008	J-62	56.50	P12	0.0592	104.08	47	50	46
1033	J-70	56.49	P12	0.0319	104.06	47	50	46
206	B-037	56.00	P1	0.0303	103.56	47	51	45
83	B-055a	56.50	P9	0.1173	104.04	47	50	46
205	B-032	56.00	P1	0.1742	103.49	47	51	45
100	B-036a	56.00	P1	0.1212	103.48	47	51	45
1360	J-179	46.60	P6	0.0378	94.08	47	60	47
1271	J-150	57.74	P8	0.1046	105.15	47	49	47
115	B-071a	46.80	P6	0.0832	94.08	47	60	47
842	J-8	57.90	P10	0.0453	105.18	47	49	47
95	B-031b	56.50	P1	0.0758	103.50	47	50	45
845	J-9	58.25	P10	0.0528	105.18	47	48	46
192	B-064	57.00	P9	0.2311	103.86	47	50	45
175	B-076	47.25	P6	0.0227	94.08	47	59	47
97	B-031a	56.76	P1	0.1136	103.50	47	50	44
198	B-046	57.50	P12	0.0228	104.12	46	49	45
1015	J-65	57.50	P9	0.0735	104.11	46	49	45
1019	J-66	57.75	P9	0.0630	104.12	46	49	45
199	B-047	58.00	P12	0.0273	104.10	46	49	44
176	B-073	48.25	P6	0.1437	94.08	46	58	46
188	B-059	58.50	P9	0.1786	104.08	45	48	44
213	B-036	58.00	P1	0.0758	103.51	45	49	43
1022	J-67	58.75	P9	0.0525	104.21	45	48	44
943	J-43	58.00	P2	0.0537	103.42	45	49	43
1277	J-151	59.90	P8	0.1270	105.16	45	47	45
114	S-004a	60.00	P10	0.1434	105.18	45	47	44
268	S-011	60.00	P10	0.0598	105.15	45	47	44
112	B-055b	59.00	P9	0.0735	104.09	45	48	43
940	J-42	58.37	P2	0.1165	103.42	45	48	42
180	B-070	49.10	P6	0.0529	94.08	45	57	45
111	B-018a	58.50	P2	0.0716	103.43	45	48	42
217	B-018	58.50	P2	0.1552	103.42	45	48	42
877	J-21	58.75	P1	0.0758	103.52	45	48	42
1457	J-211	60.46	<None>	0.0000	105.15	45	46	44
178	B-072	49.50	P6	0.0605	94.08	44	57	44
200	B-048	60.00	P12	0.0529	104.14	44	47	42
272	S-010	61.50	P10	0.0672	105.16	44	45	43
947	J-44	59.79	P2	0.0836	103.42	44	47	41
219	B-017	60.00	P2	0.0716	103.42	43	47	41
275	S-018	62.50	P11	0.1044	105.20	43	44	42
172	B-042	61.00	P1	0.0470	103.65	43	46	40
153	B-077	62.00	P12	0.0420	104.49	42	45	41
74	S-115	62.90	P10	0.0826	105.20	42	44	42
1452	J-209	62.90	<None>	0.0000	105.17	42	44	42
191	B-061	62.00	P9	0.1471	104.02	42	45	40
98	B-038a	61.50	P1	0.0909	103.50	42	45	40
193	B-051	62.50	P12	0.0945	104.35	42	44	40
985	J-55	62.50	P12	0.0707	104.24	42	44	40
207	B-038	62.00	P1	0.0530	103.50	41	45	39
1351	J-177	63.25	P12	0.0735	104.74	41	43	40
1398	J-191	62.00	P2	0.0836	103.43	41	45	39
998	J-59	62.75	P1	0.0349	104.05	41	44	39
76	S-105	63.90	P10	0.1208	105.20	41	43	41
75	S-110	63.90	P10	0.0830	105.20	41	43	41
280	S-009	63.90	P10	0.0747	105.18	41	43	41
197	B-050	63.00	P12	0.0287	104.24	41	44	40
838	J-7	64.00	P11	0.1044	105.20	41	43	40
101	S-008a	64.10	P10	0.1046	105.17	41	43	40
873	J-20	62.50	P1	0.1364	103.50	41	44	39
270	S-008	64.60	P10	0.0075	105.18	40	42	40

	S-019	64.95	P11	0.0000	105.20	40	42	40
830	J-4	65.00	P11	0.0000	105.21	40	42	39
196	B-052	64.50	P12	0.0525	104.35	40	42	38
1005	J-61	64.43	P12	0.0820	104.08	40	42	38
71	823-A	67.50	P1	0.0046	107.00	39	39	39
99	B-039a	64.00	P1	0.1364	103.50	39	43	37
146	B-081	65.00	P12	0.0911	104.23	39	42	38
279	S-007	66.00	P10	0.0224	105.19	39	41	38
832	J-5	66.10	P11	0.0000	105.21	39	41	38
234	S-052	66.50	P11	0.1044	105.21	39	40	38
276	S-017	66.50	P11	0.1044	105.21	39	40	38
1425	J-199	65.70	P12	0.1260	104.35	39	41	37
1258	J-146	66.80	P10	0.0679	105.23	38	40	38
1001	J-60	65.75	P12	0.0592	104.13	38	41	37
1261	J-147	66.90	P10	0.0376	105.21	38	40	38
73	S-120	67.00	P11	0.1044	105.21	38	40	37
202	B-045	66.00	P1	0.0137	104.05	38	41	36
187	B-060	66.00	P9	0.0840	104.05	38	41	36
156	S-NEIGHBOURHOODCENTRE	68.50	P12	0.4636	106.47	38	38	38
84	B-045a	66.13	P12	0.0546	104.06	38	41	36
826	J-2	67.50	P11	0.0000	105.24	38	39	37
148	B-079	66.00	P1	0.0303	103.65	38	41	35
201	B-049	66.50	P12	0.0046	104.14	38	40	36
283	S-006	67.90	P10	0.0377	105.22	37	39	37
1037	J-71	67.10	P12	0.0137	104.18	37	40	35
1347	J-176	68.33	P10	0.0226	105.22	37	38	36
334	S-001	68.50	P9	0.0286	105.30	37	38	36
816	A-01	68.50	P11	0.1044	105.24	37	38	36
204	B-039	67.00	P1	0.0379	103.50	36	40	34
1048	J-74	69.00	P9	0.0000	105.32	36	38	36
77	S-100	69.00	P9	0.0105	105.31	36	38	36
989	J-56	69.00	P9	0.0000	105.25	36	38	35
264	S-004	69.10	P10	0.0226	105.27	36	38	35
70	823-B	67.50	P1	0.0000	103.65	36	39	34
1343	J-175	69.22	P10	0.0151	105.27	36	38	35
1408	J-194	69.26	P9	0.0420	105.25	36	37	35
277	S-020	69.25	P11	0.1044	105.21	36	37	35
1041	J-72	68.25	P12	0.0774	104.19	36	38	34
335	S-005	69.75	P10	0.0679	105.25	35	37	35
160	S-053	69.75	P10	0.0000	105.25	35	37	35
168	B-040	68.00	P1	0.0152	103.50	35	39	33
330	S-055	71.00	P11	0.0000	106.47	35	36	35
1335	J-173	70.60	P12	0.0000	105.89	35	36	35
834	J-6	70.00	P11	0.1044	105.22	35	37	34
1293	J-157	69.00	P12	0.0228	104.12	35	38	33
828	J-3	70.50	P11	0.0000	105.24	35	36	34
1422	J-198	70.60	P11	0.1044	105.24	35	36	34
278	S-014	70.80	P11	0.0000	105.24	34	36	34
281	S-016	71.00	P11	0.1044	105.24	34	36	34
194	B-054	70.00	P12	0.0501	104.20	34	37	33
1297	J-158	70.00	P12	0.0182	104.20	34	37	33
85	B-049a	70.00	P12	0.0319	104.19	34	37	33
1302	J-160	70.00	P12	0.0273	104.19	34	37	33
822	J-1	71.10	P11	0.1044	105.24	34	36	33
1292	J-156	70.25	P12	0.0273	104.12	34	36	32
1051	J-75	72.50	P11	0.1044	105.24	33	34	32
1044	J-73	71.62	P12	0.0774	104.21	33	35	31
145	B-082	72.00	P9	0.1366	104.55	32	35	31
329	S-015	72.75	P11	0.1044	105.24	32	34	32
195	B-053	72.60	P12	0.0228	104.26	32	34	30
1339	J-174	72.81	P12	0.0858	104.31	31	34	30
147	B-080	73.00	P12	0.0210	104.35	31	34	30
69	1227-A	79.23	P9	0.0000	106.61	27	28	27
68	1227-B	79.23	P9	0.0000	106.56	27	28	27
79	L-040a	44.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
80	L-034a	47.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
81	B-016a	53.00	P2	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
82	B-014a	46.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
86	L-ECO-008	36.95	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
87	L-ECO_007	41.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
88	L-ECO-006	37.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
89	L-010a	42.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
90	L-ECO-005	40.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
103	L-035	45.94	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
109	L-035a	39.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
110	L-008a	36.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
162	B-005	51.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
220	B-013	49.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
221	B-015	52.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
222	B-014	46.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
223	B-012	43.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
224	B-008	50.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
225	B-011	50.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
226	B-007	48.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
227	B-006	50.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
228	B-004	48.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
229	B-010	49.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
230	B-009	53.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)

	B-002	46.25	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
284	L-ECO-004	39.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
285	L-ECO-003	40.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
286	L-ECO-002	42.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
287	L-ECO-001	43.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
288	L-041	37.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
289	L-001	42.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
292	L-034	43.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
294	L-045	41.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
312	L-037	41.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
313	L-039	40.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
314	L-040	38.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
315	L-038	48.75	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
316	L-036	47.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
317	L-012	43.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
318	L-009	45.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
319	L-003	45.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
320	L-008	40.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
321	L-010	36.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
322	L-004	49.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
323	L-007	40.90	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
324	L-006	43.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
340	L-005	45.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
341	B-003	48.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
346	L-002	42.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
893	J-26	45.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
895	J-27	44.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
899	J-28	53.75	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
906	J-31	50.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
910	J-32	39.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
913	J-33	45.41	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
917	J-34	38.25	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
918	J-35	38.75	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
922	J-36	47.06	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
925	J-37	44.75	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
929	J-38	47.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
932	J-39	38.72	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1064	J-79	41.17	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1067	J-80	40.80	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1070	J-81	41.66	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1073	J-82	41.32	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1076	J-83	39.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1080	J-84	40.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1084	J-85	35.85	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1087	J-86	42.25	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1092	J-87	38.10	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1096	J-88	46.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1099	J-89	43.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1102	J-90	38.56	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1106	J-91	47.68	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1110	J-92	48.10	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1113	J-93	41.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1117	J-94	41.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1120	J-95	40.76	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1124	J-96	50.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1127	J-97	45.80	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1131	J-98	48.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1138	J-100	42.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1299	J-159	55.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1416	J-196	43.81	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1507	J-221	49.54	<None>	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1550	J-227	50.95	<None>	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1553	J-228	51.80	<None>	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1556	J-229	50.77	<None>	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1559	J-230	44.00	<None>	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1560	J-231	49.75	<None>	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)

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Scenario: Interim (ROL 13) - Teviot Road Connection
Current Time Step: 0.000 h
FlexTable: Pipe Table

ID	Label	Length (Scaled) (m)	Start Node	Stop Node	Diameter (mm)	Material	Hazen- Williams C	Flow (L/s)	Flow (Maximum) (L/s)	Pressure (Start) (m H2O)	Velocity (Maximum) (m/s)	Headloss (m)	Velocity (m/s)	Headloss Gradient (m/km)
1410	P-43(2)	81	J-194	B-082	100.0	mPVC	100.0	6.7094	6.8532	35	0.87	1.20	0.85	14.793
1309	P-152	10	J-56	J-74	200.0	mPVC	110.0	-40.5666	-7.3976	36	1.32	0.12	1.29	11.868
973	P367LLZIRRIG(1)(1)(2)	5	J-51	J-49	150.0	mPVC	100.0	17.2191	17.3748	56	0.98	0.06	0.97	11.759
1512	P-207	177	J-49	J-1	200.0	mPVC	110.0	36.9805	37.2709	56	1.19	1.77	1.18	9.999
725	P367LLZIRRIG(2)	128	J-1	T-1005	200.0	mPVC	110.0	36.9805	37.2709	56	1.19	1.28	1.18	9.999
1353	P-49(2)	106	J-177	J-56	200.0	mPVC	110.0	-33.8404	-6.1386	40	1.10	0.90	1.08	8.484
1352	P-49(1)	52	B-077	J-177	200.0	mPVC	110.0	-33.8111	-6.1046	41	1.10	0.44	1.08	8.470
975	P291HLZ(1)	4	B-058a	J-52	100.0	mPVC	100.0	4.6425	4.6762	54	0.60	0.03	0.59	7.479
583	P148HLZ	81	B-041	B-043	200.0	mPVC	110.0	-30.8329	-4.5506	47	1.00	0.58	0.98	7.140
664	P121LLZ	130	T-1010	L-015	150.0	mPVC	100.0	12.1184	12.1834	56	0.69	0.80	0.69	6.135
568	P015LLZ	25	L-015	L-016	150.0	mPVC	100.0	12.1184	12.1834	55	0.69	0.15	0.69	6.135
1024	P-52	87	J-67	B-077	150.0	mPVC	100.0	-11.3839	-2.1273	44	0.66	0.47	0.64	5.464
1023	P-51	42	B-055b	J-67	100.0	mPVC	100.0	-3.8983	-0.6298	43	0.51	0.23	0.50	5.412
376	P286HLZ	66	B-082	B-080	100.0	mPVC	100.0	3.8710	3.9535	31	0.50	0.35	0.49	5.342
1373	P122LLZ(1)	294	T-1005	J-184	200.0	mPVC	110.0	26.1075	26.4049	54	0.84	1.54	0.83	5.247
1374	P122LLZ(2)	19	J-184	T-1010	200.0	mPVC	110.0	26.1075	26.4049	56	0.84	0.10	0.83	5.247
661	P123LLZ	4	T-1005	L-SPORT&RECCLUBHOUSE	150.0	mPVC	100.0	10.8730	10.8880	54	0.62	0.02	0.62	5.019
1499	P-202	6	L-SPORT&RECCLUBHOUSE	L-Sport and Rec Irrigation Node	150.0	Ductile Iron	100.0	10.8000	10.8000	52	0.61	0.03	0.61	4.957
597	P340HLZ	116	TeviotRoadConnection2	1227-A	250.0	mPVC	110.0	43.2139	44.4257	0	0.91	0.52	0.88	4.500
596	P341HLZ	29	1227-B	S-055	250.0	mPVC	110.0	43.2139	44.4257	27	0.91	0.13	0.88	4.500
352	PRV-3-B	7	PRV-3	1227-B	250.0	mPVC	110.0	43.2139	44.4257	27	0.91	0.03	0.88	4.499
351	PRV-3-A	6	1227-A	PRV-3	250.0	mPVC	110.0	43.2139	44.4257	27	0.91	0.03	0.88	4.499
1336	P337HLZ(2)(1)	175	J-74	J-173	250.0	mPVC	110.0	-42.9745	-10.1886	36	0.90	0.78	0.88	4.454
1337	P337HLZ(2)(2)	175	J-173	S-055	250.0	mPVC	110.0	-42.9745	-10.1886	35	0.90	0.78	0.88	4.454
976	P291HLZ(2)	59	J-52	B-058	100.0	mPVC	100.0	-3.4137	-0.5490	54	0.44	0.25	0.43	4.232
439	P249HLZ	107	B-051	B-046	200.0	mPVC	110.0	22.8429	23.2759	40	0.74	0.44	0.73	4.097
1403	P244HLZ(2)(2)	2	J-192	B-043	200.0	mPVC	110.0	22.6466	23.0138	48	0.73	0.01	0.72	4.033
992	P-44	27	J-57	B-037	150.0	mPVC	100.0	9.5866	9.7955	46	0.55	0.11	0.54	3.975
390	P277HLZ	62	B-051	B-077	200.0	mPVC	110.0	-22.4104	-3.9579	40	0.73	0.24	0.71	3.955
972	P367LLZIRRIG(1)(1)(1)	91	T-1001	J-51	150.0	mPVC	100.0	9.1922	9.2607	54	0.52	0.33	0.52	3.677
442	P246HLZ	58	B-048	B-050	100.0	mPVC	100.0	-3.0160	-0.4770	43	0.39	0.19	0.38	3.365
1034	P244HLZ(1)	33	B-046	J-70	200.0	mPVC	110.0	20.3214	20.6887	45	0.66	0.11	0.65	3.299
970	P-39	110	J-50	J-49	200.0	mPVC	110.0	19.7614	19.8961	55	0.63	0.35	0.63	3.133
1402	P244HLZ(2)(1)	80	J-70	J-192	200.0	mPVC	110.0	19.4769	19.8148	46	0.63	0.24	0.62	3.050
1038	P326HLZ(1)	24	B-049	J-71	100.0	mPVC	100.0	-2.8487	-0.3980	36	0.37	0.07	0.36	3.027
449	P239HLZ	63	B-043	B-044	150.0	mPVC	100.0	-8.1882	-1.2060	48	0.47	0.19	0.46	2.968
1427	P285HLZ(2)	129	J-199	B-082	100.0	mPVC	100.0	-2.7840	-0.4640	37	0.36	0.37	0.35	2.901
1333	P-40(2)(1)(1)	70	J-166	J-AFL Club House	150.0	mPVC	100.0	-8.0269	-0.8712	54	0.46	0.20	0.45	2.861
1334	P-40(2)(1)(2)	54	J-AFL Club House	J-168	150.0	mPVC	100.0	-8.0269	-0.8712	54	0.46	0.15	0.45	2.861
1366	P-40(2)(2)(1)	68	J-168	J-181	150.0	mPVC	100.0	-8.0269	-0.8712	54	0.46	0.20	0.45	2.861
1320	P-40(1)	139	J-166	J-51	150.0	mPVC	100.0	8.0269	8.1141	54	0.46	0.40	0.45	2.861
1367	P-40(2)(2)(2)	65	J-181	J-52	150.0	mPVC	100.0	-8.0269	-0.8712	54	0.46	0.19	0.45	2.861
677	P292HLZ	227	B-059	B-058a	100.0	mPVC	100.0	2.6291	2.6735	44	0.34	0.59	0.33	2.609
1370	P-167	39	J-High School	L-016	150.0	mPVC	100.0	-7.5370	-0.2894	53	0.43	0.10	0.43	2.546
1025	P-53	57	J-67	J-66	150.0	mPVC	100.0	7.4647	7.6418	44	0.43	0.14	0.42	2.501
997	P-46	27	B-041	J-57	250.0	mPVC	110.0	30.7955	31.2889	47	0.64	0.06	0.63	2.403
1467	P-189	13	J-High School	I-High School	150.0	mPVC	100.0	7.2400	7.2400	53	0.41	0.03	0.41	2.363
446	P242HLZ	41	B-048	B-047	100.0	mPVC	100.0	2.4764	2.5116	43	0.32	0.10	0.32	2.336
437	P251HLZ	109	B-064	B-061	100.0	mPVC	100.0	-2.4702	-0.4712	45	0.32	0.25	0.31	2.325
617	P330HLZ	80	B-055	B-055a	100.0	mPVC	100.0	-2.4098	-0.3693	49	0.31	0.18	0.31	2.221
1340	P282HLZ(1)	37	B-080	J-174	100.0	mPVC	100.0	2.2731	2.3243	30	0.30	0.07	0.29	1.993
1030	P293HLZ(1)	94	B-055b	J-69	100.0	mPVC	100.0	2.2438	2.2884	43	0.29	0.18	0.29	1.946
441	P247HLZ	88	B-050	B-052	100.0	mPVC	100.0	-2.2426	-0.4500	40	0.29	0.17	0.29	1.944
1341	P282HLZ(2)	41	J-174	B-053	100.0	mPVC	100.0	2.2387	2.2845	30	0.29	0.08	0.29	1.937
707	P090LLZ	31	L-027a	L-028	100.0	mPVC	100.0	2.2120	2.3010	60	0.29	0.06	0.28	1.895
1017	P254HLZ(2)	231	J-65	B-058	100.0	mPVC	100.0	2.1476	2.1839	45	0.28	0.41	0.27	1.794
1020	P-50(1)	13	J-65	J-66	150.0	mPVC	100.0	-6.2329	-1.1755	45	0.36	0.02	0.35	1.791
1524	P-211	64	T-1010	L-014	200.0	mPVC	110.0	13.9891	14.2372	56	0.45	0.11	0.45	1.652
679	P290HLZ	75	B-062	B-058a	100.0	mPVC	100.0	2.0303	2.0385	55	0.26	0.12	0.26	1.617
582	P001LLZ	28	L-016	L-SCHOOL	150.0	mPVC	100.0	5.6273	5.6708	54	0.32	0.04	0.32	1.482
706	P091LLZ	117	L-027	L-027a	100.0	mPVC	100.0	1.9322	2.1220	59	0.27	0.17	0.25	1.475
1526	P-210(1)(1)	140	PRV-8	PRV-8	100.0	mPVC	100.0	-1.9322	-0.7511	59	0.27	0.21	0.25	1.475
1527	P-210(1)(2)	7	PRV-8	J-223	100.0	mPVC	100.0	-1.9322	-0.7511	66	0.27	0.01	0.25	1.474
1007	P-47(2)	69	J-61	J-60	100.0	mPVC	100.0	-1.8838	-0.2634	38	0.24	0.10	0.24	1.407

461	P227HLZ	62	B-026	B-025	150.0	mPVC	100.0	-5.4419	-0.0649	56	0.31	0.09	0.31	1.393
1010	P243HLZ(2)	79	J-62	B-044	150.0	mPVC	100.0	5.4347	5.5301	46	0.31	0.11	0.31	1.389
453	P235HLZ	60	B-037	B-036	150.0	mPVC	100.0	5.4330	5.5440	45	0.31	0.08	0.31	1.389
385	P366LLZIRRIG	15	L-SCHOOL	I-SCHOOL	150.0	mPVC	100.0	5.4000	5.4000	54	0.31	0.02	0.31	1.373
1529	P042LLZ(2)(1)	145	J-101	PRV-9	200.0	mPVC	110.0	-12.0539	-1.0935	55	0.39	0.18	0.38	1.254
1530	P042LLZ(2)(2)	54	PRV-9	L-014	200.0	mPVC	110.0	-12.0539	-1.0935	56	0.39	0.07	0.38	1.254
996	P-45	30	J-57	J-58	250.0	mPVC	110.0	21.2059	21.4899	46	0.44	0.04	0.43	1.204
995	P263HLZ(2)	57	J-58	B-035	250.0	mPVC	110.0	21.2028	21.4863	47	0.44	0.07	0.43	1.204
1316	P267HLZ(1)	136	B-035	J-165	250.0	mPVC	110.0	21.1783	21.4580	48	0.44	0.16	0.43	1.201
1317	P267HLZ(2)	18	J-165	B-034	250.0	mPVC	110.0	21.1629	21.4403	50	0.44	0.02	0.43	1.200
405	P268HLZ	69	B-034	B-033	250.0	mPVC	110.0	21.1507	21.4261	51	0.44	0.08	0.43	1.198
667	P297HLZ	39	B-033	T-1001	250.0	mPVC	110.0	21.1415	21.4155	53	0.44	0.05	0.43	1.197
1009	P243HLZ(1)	35	B-047	J-62	150.0	mPVC	100.0	4.9776	5.0754	44	0.29	0.04	0.28	1.181
616	P331HLZ	111	B-055a	B-055b	100.0	mPVC	100.0	-1.6252	-0.2150	46	0.21	0.12	0.21	1.071
1040	P-56	93	J-71	B-081	100.0	mPVC	100.0	-1.5910	-0.2783	36	0.21	0.10	0.20	1.029
988	P-42	192	J-55	B-080	100.0	mPVC	100.0	-1.5895	-0.2649	40	0.21	0.20	0.20	1.027
1295	P329HLZ(2)	63	J-157	B-049	100.0	mPVC	100.0	-1.4572	-0.2243	34	0.19	0.05	0.19	0.875
1146	P-76	189	I-SPORT&RECPARK	J-101	200.0	mPVC	120.0	-10.8000	0.0000	59	0.34	0.16	0.34	0.871
1294	P329HLZ(1)	148	B-045a	J-157	100.0	mPVC	100.0	-1.4369	-0.2008	36	0.19	0.13	0.18	0.852
879	P236HLZ(2)	83	J-21	B-037	150.0	mPVC	100.0	-4.1413	-0.7706	43	0.24	0.07	0.23	0.840
969	P275HLZ(2)(2)(2)	27	B-026	J-50	250.0	mPVC	110.0	17.3758	17.5835	56	0.36	0.02	0.35	0.832
1016	P254HLZ(1)	55	B-059	J-65	150.0	mPVC	100.0	-4.0560	-0.8061	44	0.24	0.04	0.23	0.808
1002	P241HLZ(1)	39	B-049	J-60	100.0	mPVC	100.0	1.3896	1.4080	36	0.18	0.03	0.18	0.801
963	P-38	64	J-48	B-024	100.0	mPVC	100.0	-1.3847	0.3834	56	0.18	0.05	0.18	0.796
1046	P248HLZ(2)	120	J-73	B-053	100.0	mPVC	100.0	-1.3777	-0.2582	31	0.18	0.09	0.18	0.788
1006	P-47(1)	83	J-59	J-61	100.0	mPVC	100.0	-1.3695	-0.2134	40	0.18	0.06	0.17	0.780
432	P256LLZ	102	B-059	B-061	100.0	mPVC	100.0	1.3557	1.3974	44	0.18	0.08	0.17	0.765
431	P257LLZ	120	B-058	B-056	100.0	mPVC	100.0	-1.3038	-0.2573	52	0.17	0.09	0.17	0.712
1042	P326HLZ(2)(1)	39	J-71	J-72	100.0	mPVC	100.0	-1.2632	-0.1261	36	0.16	0.03	0.16	0.671
660	P299HLZ	88	B-021	B-021a	100.0	mPVC	100.0	1.2440	1.2666	50	0.16	0.06	0.16	0.653
1480	P-195	38	B-075	J-231	100.0	mPVC	100.0	-1.2230	1.3112	46	0.17	0.02	0.16	0.632
1481	P-196	42	J-231	B-076	100.0	mPVC	100.0	-1.2230	1.3112	46	0.17	0.03	0.16	0.632
1178	P-88	64	L-028	L-021	100.0	mPVC	100.0	1.2200	1.3081	60	0.17	0.04	0.16	0.630
1021	P-50(2)	153	J-66	B-060	100.0	mPVC	100.0	1.2067	1.2413	45	0.16	0.09	0.15	0.617
435	P253HLZ	126	B-063	B-064	100.0	mPVC	100.0	-1.2011	-0.1840	50	0.16	0.08	0.15	0.611
1312	P047LLZ(1)	151	B-075	J-164	100.0	mPVC	100.0	1.1986	1.2357	46	0.18	0.09	0.15	0.609
1032	P-54	134	J-68	J-69	100.0	mPVC	100.0	-1.1981	-0.1436	52	0.15	0.08	0.15	0.609
638	P321HLZ	80	B-025a	B-025	150.0	mPVC	100.0	3.4379	3.4593	54	0.20	0.05	0.19	0.595
983	P303HLZ(2)	139	J-54	B-064	100.0	mPVC	100.0	-1.1769	-0.1803	51	0.15	0.08	0.15	0.589
433	P255HLZ	89	B-061	B-060	100.0	mPVC	100.0	-1.1732	-0.2298	40	0.15	0.05	0.15	0.585
1313	P047LLZ(2)	33	J-164	B-069	100.0	mPVC	100.0	1.1680	1.2069	45	0.19	0.02	0.15	0.581
651	P308HLZ	117	B-036	B-036a	150.0	mPVC	100.0	3.3737	3.4210	43	0.19	0.07	0.19	0.575
684	P111LLZ	42	B-069	B-068b	100.0	mPVC	100.0	1.1497	1.1896	45	0.20	0.02	0.15	0.564
683	P112LLZ	64	B-068b	B-068a	100.0	mPVC	100.0	1.1345	1.1751	44	0.20	0.04	0.14	0.560
462	P226HLZ	142	B-024	B-021	100.0	mPVC	100.0	-1.1111	-0.0807	54	0.14	0.08	0.14	0.529
1404	P-175	80	J-192	B-055	150.0	mPVC	100.0	-3.1790	-0.2949	48	0.18	0.04	0.18	0.515
685	P110LLZ	93	B-068a	B-068	100.0	mPVC	100.0	1.0917	1.1348	46	0.22	0.05	0.14	0.512
436	P252HLZ	125	B-062	B-063	100.0	mPVC	100.0	-1.0838	-0.0466	55	0.14	0.06	0.14	0.505
1057	P322HLZ(2)	29	J-77	B-023a	150.0	mPVC	100.0	3.1139	3.1423	51	0.18	0.01	0.18	0.495
887	P323HLZ(2)	47	J-24	B-023	150.0	mPVC	100.0	3.0490	3.0764	51	0.17	0.02	0.17	0.476
1031	P293HLZ(2)	28	J-69	B-057	100.0	mPVC	100.0	1.0038	1.0251	46	0.13	0.01	0.13	0.439
886	P323HLZ(1)	34	B-023a	J-24	150.0	mPVC	100.0	2.9086	2.9412	51	0.17	0.01	0.16	0.437
561	P022LLZ	79	L-028	L-031	100.0	mPVC	100.0	0.9890	1.0183	60	0.13	0.03	0.13	0.427
1409	P-43(1)	8	J-56	J-194	200.0	mPVC	110.0	6.7262	6.8726	36	0.22	0.00	0.21	0.426
979	P260HLZ(1)	75	B-062	J-53	100.0	mPVC	100.0	-0.9758	0.1958	55	0.12	0.03	0.12	0.416
666	P298HLZ	52	T-1001	B-026	250.0	mPVC	110.0	11.9401	12.1441	54	0.25	0.02	0.24	0.416
1062	P-61	81	J-17	J-78	100.0	mPVC	100.0	-0.9735	-0.0936	50	0.13	0.03	0.12	0.414
429	P259HLZ	184	B-057	B-056	100.0	mPVC	100.0	0.9619	0.9765	47	0.12	0.07	0.12	0.405
644	P315HLZ	57	B-028a	B-028	150.0	mPVC	100.0	2.7859	2.8396	46	0.16	0.02	0.16	0.403
403	P269HLZ	56	B-028	B-027	150.0	mPVC	100.0	2.7702	2.8058	49	0.16	0.02	0.16	0.399
999	P240HLZ(1)	164	B-044	J-59	150.0	mPVC	100.0	-2.7646	-0.3660	47	0.16	0.07	0.16	0.397
1056	P322HLZ(1)	53	B-027	J-77	150.0	mPVC	100.0	2.7580	2.7916	51	0.16	0.02	0.16	0.396
1426	P285HLZ(1)	13	B-052	J-199	150.0	mPVC	100.0	-2.7337	-0.4058	38	0.16	0.01	0.15	0.389
639	P320HLZ	127	B-036a	B-025a	150.0	mPVC	100.0	2.7226	2.7510	45	0.16	0.05	0.15	0.386
443	P245HLZ	63	B-047	B-046	150.0	mPVC	100.0	-2.5122	-0.5490	44	0.15	0.02	0.14	0.333
379	P283HLZ	203	B-053	B-081	100.0	mPVC	100.0	0.8518	0.8659	30	0.11	0.07	0.11	0.324
1152	P-79	61	L-033	B-071a	100.0	mPVC	100.0	0.8485	0.8560	51	0.11	0.02	0.11	0.321
1036	P-55	80	B-055a	J-70	100.0	mPVC	100.0	-0.8316	-0.2086	46	0.11	0.02	0.11	0.309
884	P318HLZ(2)	89	J-23	B-030a	150.0	mPVC	100.0	-2.4093	-0.2239	51	0.14	0.03	0.14	0.308
458	P230HLZ	34	B-022	B-021	150.0	mPVC	100.0	2.3927	2.4303	52	0.14	0.01	0.14	0.304
1362	P143LLZ(2)	62	J-179	L-047	100.0	mPVC	100.0	-0.8180	0.6844	49	0.11	0.02	0.10	0.300
1361	P143LLZ(1)	25	B-076	J-179	100.0	mPVC	100.0	-0.8028	0.7343	48	0.10	0.01	0.10	0.290
569	P014LLZ	67	L-013	L-018	100.0	mPVC	100.0	0.7974	1.5917	57	0.20	0.02	0.10	0.286
1420	P-24(1)	138	B-018a	J-197	100.0	mPVC	100.0	-0.7934	-0.1502	43	0.10	0.04	0.10	0.284
1028	P258HLZ(2)	110	J-68	B-055	100.0	mPVC	100.0	0.7933	0.7978	52	0.10	0.03	0.10	0.284

	P284HLZ(2)	7	J-55	B-050	100.0	mPVC	100.0	0.7850	0.7870	40	0.10	0.00	0.10	0.279
714	P083LLZ	257	L-018	L-1085	100.0	mPVC	100.0	0.7853	1.5519	59	0.20	0.07	0.10	0.278
1047	P-57	146	J-72	J-73	100.0	mPVC	100.0	-0.7850	-0.1151	34	0.10	0.04	0.10	0.278
878	P236HLZ(1)	81	B-038	J-21	150.0	mPVC	100.0	-2.2614	-0.4297	39	0.13	0.02	0.13	0.274
986	P284HLZ(1)	75	B-081	J-55	100.0	mPVC	100.0	-0.7761	-0.1918	38	0.10	0.02	0.10	0.272
891	P318HLZ(1)(2)	69	J-25	J-23	150.0	mPVC	100.0	-2.2382	-0.2326	50	0.13	0.02	0.13	0.269
659	P300HLZ	63	B-021a	B-018	100.0	mPVC	100.0	0.7697	0.7871	46	0.10	0.02	0.10	0.268
1400	P294HLZ(2)(2)	68	J-191	B-018a	100.0	mPVC	100.0	-0.7651	-0.1173	39	0.10	0.02	0.10	0.265
1148	P084LLZ(1)	47	L-1085	P14 - Low Point	100.0	mPVC	100.0	0.7640	1.4823	62	0.19	0.01	0.10	0.265
635	P324HLZ	75	B-025a	B-023b	100.0	mPVC	100.0	-0.7460	0.0775	54	0.10	0.02	0.09	0.253
1399	P294HLZ(2)(1)	91	J-43	J-191	100.0	mPVC	100.0	-0.7320	-0.0789	43	0.09	0.02	0.09	0.244
1548	P084LLZ(2)(1)	106	P14 - Low Point	P-14 DemandB	100.0	mPVC	100.0	0.7183	1.3259	62	0.17	0.03	0.09	0.236
946	P-36	63	J-43	J-42	100.0	mPVC	100.0	0.7107	0.7155	43	0.09	0.01	0.09	0.231
374	P058LLZ	38	L-1000	L-021	100.0	mPVC	100.0	-0.7037	-0.4038	59	0.15	0.01	0.09	0.227
460	P228HLZ	137	B-025	B-023	150.0	mPVC	100.0	-2.0346	0.3857	55	0.12	0.03	0.12	0.225
645	P314HLZ	68	B-036	B-028a	150.0	mPVC	100.0	2.0286	2.0876	43	0.12	0.02	0.11	0.224
640	P319HLZ	173	B-030a	B-030	150.0	mPVC	100.0	-1.8713	-0.1781	50	0.11	0.03	0.11	0.193
881	P-22	137	B-031b	J-21	150.0	mPVC	100.0	-1.8492	-0.3055	45	0.11	0.03	0.10	0.189
1063	P-62	176	B-036a	B-023b	100.0	mPVC	100.0	0.6020	0.6134	45	0.08	0.03	0.08	0.170
984	P-41	159	J-53	J-54	100.0	mPVC	100.0	-0.5960	-0.0401	56	0.08	0.03	0.08	0.166
951	P223HLZ(2)(1)	63	J-40	J-45	100.0	mPVC	100.0	-0.5920	0.3582	46	0.08	0.01	0.08	0.165
456	P232HLZ	67	B-031	B-029	150.0	mPVC	100.0	1.7178	1.7340	47	0.10	0.01	0.10	0.165
417	P053LLZ	65	L-024	L-047	100.0	mPVC	100.0	0.5852	0.6061	50	0.10	0.01	0.07	0.161
1061	P231HLZ(2)	52	J-78	B-029	150.0	mPVC	100.0	-1.6967	-0.2223	48	0.10	0.01	0.10	0.161
1045	P248HLZ(1)	76	B-054	J-73	100.0	mPVC	100.0	-0.5613	-0.1069	33	0.07	0.01	0.07	0.149
682	P113LLZ	99	B-072	B-071a	100.0	mPVC	100.0	-0.5576	0.1288	46	0.07	0.01	0.07	0.148
1151	P-78	62	L-031	L-1055	100.0	mPVC	100.0	0.5551	0.5685	57	0.07	0.01	0.07	0.146
942	P222HLZ(2)	160	J-42	B-016	100.0	mPVC	100.0	0.5496	0.5546	43	0.07	0.02	0.07	0.144
620	P327HLZ	145	B-049a	B-054	100.0	mPVC	100.0	-0.5336	-0.0749	33	0.07	0.02	0.07	0.136
697	P100LLZ	88	L-1055	L-033	100.0	mPVC	100.0	0.5337	0.5438	55	0.07	0.01	0.07	0.136
982	P303HLZ(1)	64	B-064a	J-54	100.0	mPVC	100.0	-0.5307	-0.0820	53	0.07	0.01	0.07	0.133
1259	P342HLZ(1)	50	S-004	J-146	100.0	mPVC	100.0	0.5223	1.7287	36	0.22	0.01	0.07	0.131
1003	P241HLZ(2)	166	J-60	B-048	100.0	mPVC	100.0	-0.5183	-0.1196	37	0.07	0.02	0.07	0.129
647	P312HLZ	77	B-031	B-031a	150.0	mPVC	100.0	-1.4933	-0.2273	47	0.09	0.01	0.08	0.127
1043	P326HLZ(2)(2)	76	J-72	B-049a	100.0	mPVC	100.0	-0.5096	-0.0472	34	0.07	0.01	0.06	0.125
560	P023LLZ	111	L-021	L-022	100.0	mPVC	100.0	0.5010	0.5132	58	0.07	0.01	0.06	0.121
419	P051LLZ	102	B-072	B-073	100.0	mPVC	100.0	0.4874	0.4983	46	0.06	0.01	0.06	0.115
619	P328HLZ	47	B-045	B-045a	150.0	mPVC	100.0	-1.4148	-0.1753	36	0.08	0.01	0.08	0.115
890	P318HLZ(1)(1)	60	B-022	J-25	150.0	mPVC	100.0	-1.4089	-0.0365	52	0.08	0.01	0.08	0.114
1000	P240HLZ(2)	55	J-59	B-045	150.0	mPVC	100.0	-1.4092	-0.1689	40	0.08	0.01	0.08	0.114
1011	P-48	169	J-61	J-62	100.0	mPVC	100.0	0.4811	0.4824	38	0.06	0.02	0.06	0.112
1157	P-81	142	L-022	L-024	100.0	mPVC	100.0	0.4766	0.4850	55	0.06	0.02	0.06	0.110
648	P311HLZ	62	B-038a	B-038	150.0	mPVC	100.0	-1.3615	-0.2361	40	0.08	0.01	0.08	0.107
657	P302HLZ	96	B-065	B-064a	100.0	mPVC	100.0	-0.4678	-0.0077	55	0.06	0.01	0.06	0.105
418	P052LLZ	55	B-073	B-076	100.0	mPVC	100.0	0.4294	0.4435	47	0.07	0.01	0.05	0.091
980	P260HLZ(2)	89	J-53	B-065	100.0	mPVC	100.0	-0.4259	0.1298	56	0.05	0.01	0.05	0.088
700	P097LLZ	31	L-031	L-1050	100.0	mPVC	100.0	0.4217	0.4357	57	0.06	0.00	0.05	0.088
451	P237HLZ	238	B-030	B-032	150.0	mPVC	100.0	-1.2095	-0.1201	49	0.07	0.02	0.07	0.086
1424	P153HLZ(1)(2)	38	J-198	J-6	100.0	mPVC	100.0	0.4100	1.3641	34	0.17	0.00	0.05	0.083
956	P301HLZ(2)	155	J-46	B-021a	100.0	mPVC	100.0	-0.4083	0.1341	53	0.05	0.01	0.05	0.083
1447	P-83(1)	45	L-1000	J-207	100.0	mPVC	100.0	0.4045	0.6532	59	0.08	0.00	0.05	0.082
1448	P-83(2)	39	J-207	J-109	100.0	mPVC	100.0	0.4045	0.6532	59	0.08	0.00	0.05	0.081
1156	P-80	166	L-1050	J-103	100.0	mPVC	100.0	0.4003	0.4110	57	0.05	0.01	0.05	0.080
463	P225HLZ	166	B-019	B-018	100.0	mPVC	100.0	-0.3885	-0.0539	51	0.05	0.01	0.05	0.076
534	P157HLZ	45	S-027	S-026	100.0	mPVC	100.0	-0.3811	-0.3594	53	0.16	0.00	0.05	0.073
1027	P258HLZ(1)	76	B-056	J-68	100.0	mPVC	100.0	-0.3755	-0.1561	53	0.06	0.01	0.05	0.071
953	P-37	172	J-44	J-45	100.0	mPVC	100.0	0.3734	0.3745	41	0.05	0.01	0.05	0.070
395	P274HLZ	172	B-016	B-020	150.0	mPVC	100.0	1.0743	1.0932	46	0.06	0.01	0.06	0.069
1564	P044LLZ(2)	31	PRV-11	B-067	150.0	mPVC	100.0	1.0581	1.1030	50	0.10	0.00	0.06	0.067
1563	P044LLZ(1)	28	B-068	PRV-11	150.0	mPVC	100.0	1.0581	1.1030	49	0.10	0.00	0.06	0.067
540	P151HLZ	58	S-006	S-007	100.0	mPVC	100.0	0.3634	1.2064	37	0.15	0.00	0.05	0.067
1478	P-194	27	J-230	L-017	150.0	mPVC	100.0	1.0520	1.0973	51	0.11	0.00	0.06	0.067
1477	P-193	25	B-067	J-230	150.0	mPVC	100.0	1.0520	1.0973	51	0.11	0.00	0.06	0.066
1171	P-85	77	J-109	J-107	100.0	mPVC	100.0	0.3612	0.5385	55	0.07	0.01	0.05	0.066
1541	P002LLZ(1)	132	L-016	J-225	150.0	mPVC	100.0	-1.0459	1.8894	54	0.11	0.01	0.06	0.066
1542	P002LLZ(2)	43	J-225	L-017	150.0	mPVC	100.0	-1.0459	1.8894	52	0.11	0.00	0.06	0.066
643	P316HLZ	74	B-031a	B-031b	150.0	mPVC	100.0	-1.0337	-0.2587	44	0.06	0.00	0.06	0.064
532	P159HLZ	21	S-007	S-008	100.0	mPVC	100.0	0.3545	1.1768	39	0.15	0.00	0.05	0.064
1049	P337HLZ(1)	25	S-100	J-74	200.0	mPVC	110.0	-2.4079	-2.2708	36	0.25	0.00	0.08	0.064
368	P064LLZ	20	L-1010	L-1015	100.0	mPVC	100.0	0.3533	0.4197	51	0.05	0.00	0.04	0.063
599	P338HLZ	21	S-100	S-100	200.0	mPVC	110.0	-2.4037	-2.2668	36	0.25	0.00	0.08	0.063
958	P275HLZ(1)	202	J-47	B-020	150.0	mPVC	100.0	-1.0212	0.9345	56	0.06	0.01	0.06	0.063
459	P229HLZ	29	B-023	B-022	150.0	mPVC	100.0	0.9960	1.0326	53	0.06	0.00	0.06	0.060
862	P065LLZ(1)	22	L-1015	J-15	100.0	mPVC	100.0	0.3427	0.3843	51	0.05	0.00	0.04	0.060
1154	P144LLZ(1)	90	L-033	J-103	100.0	mPVC	100.0	-0.3332	-0.0072	51	0.04	0.01	0.04	0.057

	P342HLZ(2)	77	J-146	S-105	100.0	mPVC	100.0	0.3321	1.0991	38	0.14	0.00	0.04	0.057
863	P065LLZ(2)	7	J-15	L-1005	100.0	mPVC	100.0	0.3251	0.3329	50	0.04	0.00	0.04	0.054
955	P301HLZ(1)	88	B-024	J-46	100.0	mPVC	100.0	-0.3233	0.4182	54	0.05	0.00	0.04	0.054
464	P224HLZ	78	B-018	B-017	100.0	mPVC	100.0	0.3198	0.3224	43	0.04	0.00	0.04	0.053
503	P188HLZ	363	S-001	S-002	100.0	mPVC	100.0	0.3122	1.0340	36	0.13	0.02	0.04	0.050
520	P171HLZ	91	S-004	S-001	200.0	mPVC	110.0	-2.0801	-1.9616	36	0.22	0.00	0.07	0.048
450	P238HLZ	155	B-039	B-038	150.0	mPVC	100.0	-0.8785	-0.1688	34	0.05	0.01	0.05	0.048
1349	P149HLZ(2)	102	S-005	J-176	150.0	mPVC	100.0	0.8575	2.8378	35	0.16	0.00	0.05	0.045
649	P310HLZ	53	B-039a	B-039	150.0	mPVC	100.0	-0.8570	-0.1441	37	0.05	0.00	0.05	0.045
952	P223HLZ(2)(2)	90	J-45	B-019	100.0	mPVC	100.0	-0.2941	0.1635	47	0.04	0.00	0.04	0.045
1348	P149HLZ(1)	31	J-176	S-006	150.0	mPVC	100.0	0.8484	2.8080	36	0.16	0.00	0.05	0.045
1356	P060LLZ(1)(1)	54	L-1000	J-178	100.0	mPVC	100.0	0.2922	0.4879	59	0.06	0.00	0.04	0.045
948	P222HLZ(1)(1)	10	B-017	J-44	100.0	mPVC	100.0	0.2914	0.2929	41	0.04	0.00	0.04	0.045
1549	P084LLZ(2)(2)	84	P-14 DemandB	L-019	100.0	mPVC	100.0	0.2920	0.2976	62	0.04	0.00	0.04	0.044
1523	P-210(2)	13	J-223	L-014	200.0	mPVC	110.0	-1.9322	-0.7511	56	0.07	0.00	0.06	0.042
875	P-20	76	J-20	B-038a	150.0	mPVC	100.0	-0.8191	-0.1720	39	0.05	0.00	0.05	0.042
1421	P-24(2)	43	J-197	J-25	150.0	mPVC	100.0	-0.8170	-0.1776	48	0.05	0.00	0.05	0.042
1442	P-77(1)	53	L-027a	J-205	100.0	mPVC	100.0	-0.2798	0.1500	60	0.04	0.00	0.04	0.041
1443	P-77(2)	124	J-205	L-019	100.0	mPVC	100.0	-0.2798	0.1500	60	0.04	0.01	0.04	0.041
1357	P060LLZ(1)(2)	108	J-178	J-108	100.0	mPVC	100.0	0.2781	0.4406	60	0.06	0.00	0.04	0.041
1174	P060LLZ(2)(1)	116	J-108	J-110	100.0	mPVC	100.0	0.2757	0.4017	54	0.05	0.00	0.04	0.040
874	P-19	205	J-19	J-20	150.0	mPVC	100.0	-0.7999	-0.0916	46	0.05	0.01	0.05	0.040
653	P306HLZ	47	S-008	S-008a	100.0	mPVC	100.0	0.2709	0.8968	40	0.11	0.00	0.03	0.039
642	P317HLZ	65	B-031b	B-028a	150.0	mPVC	100.0	0.7849	0.7874	45	0.04	0.00	0.04	0.039
1176	P-87	35	J-110	L-1010	100.0	mPVC	100.0	0.2651	0.3663	51	0.05	0.00	0.03	0.037
650	P309HLZ	251	B-032	B-039a	150.0	mPVC	100.0	-0.7659	-0.0970	45	0.04	0.01	0.04	0.037
512	P179HLZ	65	S-029	S-028	100.0	mPVC	100.0	-0.2582	-0.2435	55	0.11	0.00	0.03	0.036
1158	P-82	158	B-071a	L-047	100.0	mPVC	100.0	0.2573	0.2672	49	0.03	0.01	0.03	0.035
1276	P-137	26	J-11	S-035	100.0	mPVC	100.0	0.2528	0.8374	49	0.11	0.00	0.03	0.034
502	P189HLZ	85	S-042	S-002	100.0	mPVC	100.0	-0.2425	-0.2287	49	0.10	0.00	0.03	0.032
1060	P231HLZ(1)	57	B-030	J-78	150.0	mPVC	100.0	-0.7017	-0.1040	49	0.04	0.00	0.04	0.031
1161	P-1(2)	59	J-104	J-2	100.0	mPVC	100.0	0.2338	0.2367	51	0.03	0.00	0.03	0.030
517	P174HLZ	32	S-023	S-022	150.0	mPVC	100.0	-0.6776	-0.6390	48	0.13	0.00	0.04	0.029
399	P272HLZ	26	S-005	S-053	150.0	mPVC	100.0	0.6578	2.1927	35	0.12	0.00	0.04	0.028
1345	P170HLZ(2)	18	J-175	S-004	200.0	mPVC	110.0	-1.5487	-1.4604	35	0.16	0.00	0.05	0.028
1344	P170HLZ(1)	79	S-005	J-175	200.0	mPVC	110.0	-1.5426	-1.4547	35	0.16	0.00	0.05	0.028
398	P273HLZ	44	S-053	S-014	100.0	mPVC	100.0	0.6578	2.1927	35	0.12	0.00	0.04	0.028
836	P153HLZ(2)	75	J-6	S-020	100.0	mPVC	100.0	0.2162	0.7189	35	0.09	0.00	0.03	0.026
592	P345HLZ	108	S-021	S-115	100.0	mPVC	100.0	-0.6268	-0.5911	47	0.12	0.00	0.04	0.025
373	P059LLZ	76	L-1005	L-042	100.0	mPVC	100.0	0.2141	0.4211	50	0.05	0.00	0.03	0.025
1262	P346HLZ(1)	84	S-115	J-147	150.0	mPVC	100.0	-0.6177	-0.5827	42	0.12	0.00	0.03	0.025
1385	P195HLZ(1)	81	S-043	J-188	100.0	mPVC	100.0	0.2130	0.7037	54	0.09	0.00	0.03	0.025
1179	P-89	90	J-107	J-105	100.0	mPVC	100.0	0.2097	0.2724	55	0.03	0.00	0.03	0.024
594	P343HLZ	112	S-105	S-004a	100.0	mPVC	100.0	0.2080	0.6880	41	0.09	0.00	0.03	0.024
1458	P163HLZ(1)	47	S-010	J-211	100.0	mPVC	100.0	0.2041	0.6755	43	0.09	0.00	0.03	0.023
516	P175HLZ	59	S-028	S-027	100.0	mPVC	100.0	-0.2031	-0.1916	54	0.09	0.00	0.03	0.023
1459	P163HLZ(2)	21	J-211	S-011	100.0	mPVC	100.0	0.2041	0.6755	44	0.09	0.00	0.03	0.023
519	P172HLZ	50	S-022	S-021	150.0	mPVC	100.0	-0.5818	-0.5487	48	0.11	0.00	0.03	0.022
527	P164HLZ	138	S-011	S-012	100.0	mPVC	100.0	0.1992	0.6597	45	0.08	0.00	0.03	0.022
867	P-17	24	J-16	J-17	150.0	mPVC	100.0	-0.5747	-0.0883	50	0.03	0.00	0.03	0.022
865	P-16	45	B-030a	J-16	150.0	mPVC	100.0	-0.5655	-0.0777	50	0.03	0.00	0.03	0.021
968	P275HLZ(2)(2)(1)	35	J-50	J-48	250.0	mPVC	110.0	-2.3886	1.3752	55	0.05	0.00	0.05	0.021
937	P223HLZ(1)	5	B-016	J-40	150.0	mPVC	100.0	-0.5624	0.4569	46	0.03	0.00	0.03	0.021
634	P325HLZ	75	B-023b	B-023a	100.0	mPVC	100.0	-0.1899	0.1467	52	0.02	0.00	0.02	0.020
680	P289HLZ	152	S-042	S-043	100.0	mPVC	100.0	0.1898	0.6277	49	0.08	0.00	0.02	0.020
1386	P195HLZ(2)	67	J-188	S-044	100.0	mPVC	100.0	0.1795	0.5942	55	0.08	0.00	0.02	0.018
872	P265HLZ(2)	61	J-19	B-032	150.0	mPVC	100.0	0.5141	0.5276	46	0.03	0.00	0.03	0.018
808	P067LLZ(1)	68	L-1020	J-2	100.0	mPVC	100.0	-0.1771	0.6038	51	0.08	0.00	0.02	0.018
646	P313HLZ	108	B-031a	B-038a	150.0	mPVC	100.0	-0.5056	-0.0211	44	0.03	0.00	0.03	0.017
1464	P187HLZ(2)	46	J-213	S-013	100.0	mPVC	100.0	0.1725	0.5708	50	0.07	0.00	0.02	0.017
518	P173HLZ	30	S-024	S-023	150.0	mPVC	100.0	-0.4976	-0.4694	49	0.09	0.00	0.03	0.017
1453	P158HLZ(1)	110	S-009	J-209	100.0	mPVC	100.0	0.1720	0.5687	41	0.07	0.00	0.02	0.017
1463	P187HLZ(1)	76	S-012	J-213	100.0	mPVC	100.0	0.1725	0.5708	48	0.07	0.00	0.02	0.017
1454	P158HLZ(2)	88	J-209	S-010	100.0	mPVC	100.0	0.1720	0.5687	42	0.07	0.00	0.02	0.017
514	P177HLZ	155	S-025	S-024	150.0	mPVC	100.0	-0.4838	-0.4563	51	0.09	0.00	0.03	0.016
850	P-12	82	S-023	J-11	100.0	mPVC	100.0	0.1649	0.5510	48	0.07	0.00	0.02	0.016
1282	P186HLZ(2)(2)(1)	20	J-13	J-152	100.0	mPVC	100.0	-0.1638	-0.1546	57	0.07	0.00	0.02	0.015
1264	P-134	172	J-146	J-147	100.0	mPVC	100.0	0.1628	0.5401	38	0.07	0.00	0.02	0.015
438	P250HLZ	63	B-052	B-051	150.0	mPVC	100.0	0.4702	0.4759	38	0.03	0.00	0.03	0.015
1263	P346HLZ(2)	32	S-006	J-147	150.0	mPVC	100.0	0.4699	1.5519	37	0.09	0.00	0.03	0.015
1423	P153HLZ(1)(1)	13	S-014	J-198	150.0	mPVC	100.0	0.4513	1.5022	34	0.09	0.00	0.03	0.014
1185	P-92	147	J-104	J-105	100.0	mPVC	100.0	-0.1579	-0.0345	51	0.02	0.00	0.02	0.014
654	P305HLZ	97	S-027a	S-027	100.0	mPVC	100.0	-0.1570	-0.1480	54	0.07	0.00	0.02	0.014
888	P-23	103	J-23	J-24	100.0	mPVC	100.0	0.1527	0.1543	51	0.02	0.00	0.02	0.013
837	P-6	112	J-6	S-120	100.0	mPVC	100.0	0.1525	0.5071	35	0.06	0.00	0.02	0.013

	P-8	79	S-004a	J-8	100.0	mPVC	100.0	0.1502	0.4989	45	0.06	0.00	0.02	0.013
366	P066LLZ	76	J-269	L-1020	100.0	mPVC	100.0	-0.1384	0.7338	50	0.09	0.00	0.02	0.011
1054	P-59	12	J-17	J-76	150.0	mPVC	100.0	0.3865	0.3878	50	0.02	0.00	0.02	0.010
841	P-7	74	S-052	J-7	100.0	mPVC	100.0	0.1328	0.4397	38	0.06	0.00	0.02	0.010
1058	P-60	76	J-76	J-77	150.0	mPVC	100.0	0.3712	0.3733	50	0.02	0.00	0.02	0.010
363	P069LLZ	76	L-042	J-272	100.0	mPVC	100.0	0.1216	0.3436	51	0.04	0.00	0.02	0.009
1284	P-139	271	J-152	S-027a	100.0	mPVC	100.0	-0.1211	-0.1143	57	0.05	0.00	0.02	0.009
840	P196HLZ(2)	148	J-7	S-019	100.0	mPVC	100.0	0.1210	0.3973	41	0.05	0.00	0.02	0.009
494	P197HLZ	216	S-019	S-009	100.0	mPVC	100.0	0.1209	0.3973	40	0.05	0.00	0.02	0.009
370	P062LLZ	77	L-024	J-269	100.0	mPVC	100.0	-0.1208	0.7928	50	0.10	0.00	0.02	0.009
515	P176HLZ	48	S-026	S-025	150.0	mPVC	100.0	-0.3396	-0.3202	52	0.06	0.00	0.02	0.008
1280	P-138	185	S-008a	J-151	100.0	mPVC	100.0	0.1159	0.3831	41	0.05	0.00	0.01	0.008
949	P222HLZ(1)(2)	68	J-44	J-42	100.0	mPVC	100.0	-0.1150	-0.0577	41	0.02	0.00	0.01	0.008
652	P307HLZ	193	S-008a	S-034	100.0	mPVC	100.0	0.1136	0.3754	41	0.05	0.00	0.01	0.008
536	P155HLZ	48	S-020	S-017	100.0	mPVC	100.0	0.1120	0.3720	35	0.05	0.00	0.01	0.008
588	P349HLZ	96	S-120	S-052	100.0	mPVC	100.0	0.1112	0.3689	38	0.05	0.00	0.01	0.007
1273	P165HLZ(2)	99	J-150	S-035	100.0	mPVC	100.0	-0.1111	-0.1048	47	0.05	0.00	0.01	0.007
489	P202HLZ	286	S-037	S-013	100.0	mPVC	100.0	-0.1107	-0.1044	57	0.05	0.00	0.01	0.007
844	P-9	67	J-8	S-022	100.0	mPVC	100.0	0.1107	0.3695	47	0.05	0.00	0.01	0.007
1172	P-86	127	J-107	L-1010	100.0	mPVC	100.0	0.1092	0.1243	55	0.02	0.00	0.01	0.007
687	P287HLZ	76	S-044	S-044a	100.0	mPVC	100.0	0.1096	0.3652	55	0.05	0.00	0.01	0.007
511	P180HLZ	84	S-029	S-045	100.0	mPVC	100.0	0.1089	0.3601	55	0.05	0.00	0.01	0.007
1160	P-1(1)	59	L-1005	J-104	100.0	mPVC	100.0	0.1040	0.1050	50	0.02	0.00	0.01	0.007
1505	P-205	53	P14 Demand A	J-101	250.0	mPVC	110.0	-1.2417	-1.0795	56	0.06	0.00	0.03	0.006
522	P169HLZ	184	S-035	S-036	100.0	mPVC	100.0	0.0943	0.3112	49	0.04	0.00	0.01	0.005
871	P265HLZ(1)	70	B-031	J-19	150.0	mPVC	100.0	-0.2521	0.1556	47	0.01	0.00	0.01	0.005
513	P178HLZ	125	S-025	S-043	100.0	mPVC	100.0	0.0870	0.2850	51	0.04	0.00	0.01	0.005
506	P185HLZ	116	S-030	S-029	100.0	mPVC	100.0	-0.0867	-0.0817	56	0.04	0.00	0.01	0.005
1275	P-136	10	S-034	J-11	100.0	mPVC	100.0	0.0879	0.2864	49	0.04	0.00	0.01	0.005
961	P275HLZ(2)(1)	8	J-47	J-48	250.0	mPVC	110.0	1.0070	1.0298	56	0.02	0.00	0.02	0.004
686	P288HLZ	146	S-044a	S-028	100.0	mPVC	100.0	0.0823	0.2756	52	0.04	0.00	0.01	0.004
1376	P-169	46	S-NEIGHBOURHOODCENTRE	S-055	150.0	mPVC	100.0	-0.2394	-0.1900	38	0.03	0.00	0.01	0.004
490	P201HLZ	11	S-038	S-037	100.0	mPVC	100.0	-0.0811	-0.0766	57	0.03	0.00	0.01	0.004
362	P070LLZ	76	J-273	L-044	100.0	mPVC	100.0	-0.0824	-0.0740	52	0.04	0.00	0.01	0.004
531	P160HLZ	37	S-008	S-009	100.0	mPVC	100.0	0.0806	0.2702	40	0.03	0.00	0.01	0.004
360	P072LLZ	63	J-272	J-274	100.0	mPVC	100.0	0.0786	0.2608	51	0.03	0.00	0.01	0.004
1283	P186HLZ(2)(2)(2)	56	J-152	S-038	100.0	mPVC	100.0	-0.0782	-0.0738	57	0.03	0.00	0.01	0.004
593	P344HLZ	75	S-105	S-110	100.0	mPVC	100.0	0.0755	0.2518	41	0.03	0.00	0.01	0.004
855	P186HLZ(2)(1)	42	J-12	J-13	100.0	mPVC	100.0	-0.0723	-0.0683	56	0.03	0.00	0.01	0.003
823	P152HLZ(1)	25	S-014	J-1	150.0	mPVC	100.0	0.2065	0.6905	34	0.04	0.00	0.01	0.003
535	P156HLZ	207	S-017	S-018	100.0	mPVC	100.0	0.0707	0.2339	38	0.03	0.00	0.01	0.003
556	P027LLZ	119	L-042	L-044	100.0	mPVC	100.0	0.0679	0.0708	51	0.01	0.00	0.01	0.003
480	P041LLZ	231	L-013	P14 Demand A	250.0	mPVC	110.0	-0.8065	-0.5730	57	0.03	0.00	0.02	0.003
481	P210HLZ	112	S-052	S-020	100.0	mPVC	100.0	-0.0630	-0.0594	38	0.03	0.00	0.01	0.003
359	P073LLZ	84	J-275	J-273	100.0	mPVC	100.0	-0.0621	-0.0581	51	0.03	0.00	0.01	0.003
1396	P-13(1)	111	J-13	P8 Low Point	100.0	mPVC	100.0	0.0619	0.2048	57	0.03	0.00	0.01	0.003
1278	P161HLZ(1)	57	S-010	J-151	100.0	mPVC	100.0	-0.0588	-0.0554	43	0.02	0.00	0.01	0.002
507	P184HLZ	70	S-031	S-030	100.0	mPVC	100.0	-0.0587	-0.0554	55	0.02	0.00	0.01	0.002
523	P168HLZ	80	S-036	S-026	100.0	mPVC	100.0	0.0565	0.1818	52	0.02	0.00	0.01	0.002
1274	P-135	155	J-150	J-149	100.0	mPVC	100.0	0.0510	0.1669	47	0.02	0.00	0.01	0.002
858	P-14	118	S-054	J-12	100.0	mPVC	100.0	-0.0493	-0.0465	56	0.02	0.00	0.01	0.002
1190	P-95	18	J-46	J-116	100.0	mPVC	100.0	0.0425	0.1421	53	0.02	0.00	0.01	0.002
825	P-1	139	A-01	J-1	100.0	mPVC	100.0	-0.0477	-0.0449	36	0.02	0.00	0.01	0.002
421	P049LLZ	63	B-070	B-072	100.0	mPVC	100.0	-0.0458	-0.0433	46	0.02	0.00	0.01	0.001
809	P067LLZ(2)	76	J-2	L-044	100.0	mPVC	100.0	0.0462	0.4532	52	0.06	0.00	0.01	0.001
590	P347HLZ	43	S-110	S-115	100.0	mPVC	100.0	0.0420	0.1423	41	0.02	0.00	0.01	0.001
719	P078LLZ	59	J-277	J-275	100.0	mPVC	100.0	-0.0410	-0.0382	50	0.02	0.00	0.01	0.001
824	P152HLZ(2)	88	J-1	S-015	150.0	mPVC	100.0	0.1175	0.3929	34	0.02	0.00	0.01	0.001
1286	P-140	145	J-153	S-044	100.0	mPVC	100.0	-0.0395	-0.0373	52	0.02	0.00	0.01	0.001
541	P150HLZ	135	S-015	S-016	100.0	mPVC	100.0	0.0349	0.1167	32	0.01	0.00	0.00	0.001
499	P192HLZ	136	S-045	S-047	100.0	mPVC	100.0	0.0359	0.1212	53	0.02	0.00	0.00	0.001
508	P183HLZ	33	S-032	S-031	100.0	mPVC	100.0	-0.0346	-0.0327	55	0.01	0.00	0.00	0.001
860	P-15	120	J-14	J-274	100.0	mPVC	100.0	-0.0352	-0.0331	50	0.02	0.00	0.00	0.001
1397	P-13(2)	82	P8 Low Point	S-039	100.0	mPVC	100.0	0.0323	0.1061	58	0.01	0.00	0.00	0.001
1269	P167HLZ(2)(1)	15	J-148	J-149	100.0	mPVC	100.0	-0.0237	-0.0223	50	0.01	0.00	0.00	0.001
510	P181HLZ	63	S-045	S-046	100.0	mPVC	100.0	0.0304	0.0995	53	0.01	0.00	0.00	0.001
357	P075LLZ	80	J-274	J-276	100.0	mPVC	100.0	0.0294	0.0954	52	0.01	0.00	0.00	0.001
848	P-11	18	J-9	J-8	100.0	mPVC	100.0	-0.0213	-0.0201	46	0.01	0.00	0.00	0.001
839	P196HLZ(1)	38	S-018	J-7	100.0	mPVC	100.0	0.0294	0.0958	42	0.01	0.00	0.00	0.000
424	P046LLZ	198	B-070	B-078	100.0	mPVC	100.0	0.0244	0.0797	46	0.01	0.00	0.00	0.000
1387	P-174	20	J-188	J-155	100.0	mPVC	100.0	0.0213	0.0697	55	0.01	0.00	0.00	0.000
1296	P-144	25	J-156	J-157	100.0	mPVC	100.0	-0.0111	-0.0105	32	0.00	0.00	0.00	0.000
501	P190HLZ	186	S-002	S-003	100.0	mPVC	100.0	0.0210	0.0694	51	0.01	0.00	0.00	0.000
509	P182HLZ	29	S-033	S-032	100.0	mPVC	100.0	-0.0191	-0.0180	54	0.01	0.00	0.00	0.000
1188	P-94	59	B-019	J-115	100.0	mPVC	100.0	0.0189	0.0631	51	0.01	0.00	0.00	0.000

1170	P-58	31	J-75	S-015	150.0	mPVC	100.0	-0.0413	-0.0389	32	0.01	0.00	0.00	0.000
585	P-84	70	J-109	J-108	100.0	mPVC	100.0	0.0187	0.0320	55	0.00	0.00	0.00	0.000
852	P350HLZ	79	S-042	S-024	100.0	mPVC	100.0	0.0132	0.0468	49	0.01	0.00	0.00	0.000
1272	P186HLZ(1)	49	S-030	J-12	100.0	mPVC	100.0	-0.0052	-0.0050	56	0.00	0.00	0.00	0.000
655	P165HLZ(1)	50	S-011	J-150	100.0	mPVC	100.0	-0.0187	-0.0176	45	0.01	0.00	0.00	0.000
482	P304HLZ	55	S-013	S-027a	100.0	mPVC	100.0	0.0144	0.0463	52	0.01	0.00	0.00	0.000
876	P209HLZ	61	S-054	S-041	100.0	mPVC	100.0	0.0128	0.0409	56	0.01	0.00	0.00	0.000
720	P-21	75	B-039a	J-20	150.0	mPVC	100.0	0.0360	0.0369	37	0.00	0.00	0.00	0.000
817	P077LLZ	83	L-043	J-277	100.0	mPVC	100.0	-0.0135	-0.0127	49	0.01	0.00	0.00	0.000
485	P-1	88	S-016	A-01	100.0	mPVC	100.0	-0.0064	-0.0060	34	0.00	0.00	0.00	0.000
1279	P206HLZ	100	S-039	S-040	100.0	mPVC	100.0	0.0097	0.0312	57	0.00	0.00	0.00	0.000
486	P161HLZ(2)	108	J-151	S-034	100.0	mPVC	100.0	0.0068	0.0196	45	0.00	0.00	0.00	0.000
361	P205HLZ	117	S-054	S-039	100.0	mPVC	100.0	0.0069	0.0239	56	0.00	0.00	0.00	0.000
498	P071LLZ	123	J-272	J-273	100.0	mPVC	100.0	0.0114	0.0139	51	0.00	0.00	0.00	0.000
356	P193HLZ	125	S-047	S-032	100.0	mPVC	100.0	0.0056	0.0216	53	0.00	0.00	0.00	0.000
483	P076LLZ	158	J-276	L-043	100.0	mPVC	100.0	0.0076	0.0245	51	0.00	0.00	0.00	0.000
354	P208HLZ	195	S-041	S-040	100.0	mPVC	100.0	0.0051	0.0181	55	0.00	0.00	0.00	0.000
355	PRV-2-A	2	823-A	PRV-2	250.0	mPVC	110.0	0.0000	0.0000	39	0.00	0.00	0.00	0.000
382	PRV-2-B	3	PRV-2	823-B	250.0	mPVC	110.0	0.0000	0.0000	34	0.00	0.00	0.00	0.000
383	P281HLZ	39	823-B	B-079	250.0	mPVC	110.0	0.0000	0.0000	34	0.00	0.00	0.00	0.000
384	P280HLZ	154	B-079	B-042	250.0	mPVC	110.0	-0.0123	-0.0115	36	0.00	0.00	0.00	0.000
410	P279HLZ	87	TeviotRdConnection1	823-A	250.0	mPVC	110.0	0.0018	0.0060	0	0.00	0.00	0.00	0.000
414	P264HLZ	34	B-039	B-040	150.0	mPVC	100.0	0.0061	0.0200	34	0.00	0.00	0.00	0.000
455	P262HLZ	122	B-042	B-041	250.0	mPVC	110.0	-0.0313	-0.0295	41	0.00	0.00	0.00	0.000
484	P233HLZ	74	B-029	B-028	150.0	mPVC	100.0	0.0027	0.0085	47	0.02	0.00	0.00	0.000
500	P207HLZ	81	S-033	S-041	100.0	mPVC	100.0	0.0101	0.0365	54	0.00	0.00	0.00	0.000
718	P191HLZ	37	S-003	B-066	100.0	mPVC	100.0	0.0000	0.0000	59	0.00	0.00	0.00	0.000
827	P079LLZ	120	J-276	J-277	100.0	mPVC	100.0	-0.0063	-0.0057	51	0.00	0.00	0.00	0.000
829	P-2	26	A-01	J-2	100.0	mPVC	100.0	0.0000	0.0000	36	0.00	0.00	0.00	0.000
831	P-3	27	J-3	S-016	100.0	mPVC	100.0	0.0000	0.0000	34	0.00	0.00	0.00	0.000
833	P-4	41	S-017	J-4	100.0	mPVC	100.0	0.0000	0.0000	38	0.00	0.00	0.00	0.000
1155	P-5	137	S-120	J-5	100.0	mPVC	100.0	0.0000	0.0000	38	0.00	0.00	0.00	0.000
1186	P144LLZ(2)	37	J-103	B-074	100.0	mPVC	100.0	0.0122	0.0399	51	0.01	0.00	0.00	0.000
1270	P-93	24	J-105	J-106	100.0	mPVC	100.0	0.0096	0.0318	53	0.00	0.00	0.00	0.000
1298	P167HLZ(2)(2)	74	J-149	S-036	100.0	mPVC	100.0	-0.0052	-0.0048	50	0.00	0.00	0.00	0.000
1303	P-145	37	J-158	B-054	100.0	mPVC	100.0	-0.0074	-0.0070	33	0.00	0.00	0.00	0.000
1305	P-148	12	J-160	B-049a	100.0	mPVC	100.0	-0.0111	-0.0105	33	0.00	0.00	0.00	0.000
1329	P-149	62	S-019	J-161	100.0	mPVC	100.0	0.0000	0.0000	40	0.00	0.00	0.00	0.000
1368	P-157	18	J-1	J-AFL maintenance shed	150.0	mPVC	100.0	0.0000	0.0000	56	0.00	0.00	0.00	0.000
1375	P-166	20	J-180	J-181	100.0	mPVC	100.0	0.0000	0.0000	55	0.00	0.00	0.00	0.000
1406	P-168	4	J-184	J-Primary School	200.0	mPVC	110.0	0.0000	0.0000	56	0.00	0.00	0.00	0.000
1407	P261HLZ(1)	29	B-065	P9 Low Point	100.0	mPVC	100.0	0.0042	0.0139	55	0.00	0.00	0.00	0.000
401	P261HLZ(2)	72	P9 Low Point	B-066	100.0	mPVC	100.0	0.0042	0.0139	58	0.00	0.00	0.00	0.000
402	P271HLZ	27	B-005	B-006	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
468	P270HLZ	33	B-004	B-005	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
470	P220HLZ	152	B-012	B-014	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
471	P218HLZ	206	B-011	B-006	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
472	P217HLZ	100	B-007	B-011	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
473	P216HLZ	102	B-006	B-007	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
474	P215HLZ	34	B-004	B-010	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
475	P214HLZ	26	B-003	B-004	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
476	P213HLZ	118	B-009	B-003	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
477	P212HLZ	262	B-002	B-009	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
544	P211HLZ	77	B-002	B-003	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
545	P039LLZ	174	L-ECO-002	L-ECO-003	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
548	P038LLZ	133	L-041	L-013	250.0	mPVC	110.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
550	P035LLZ	50	L-002	L-003	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
551	P033LLZ	310	RoundMt	L-001	250.0	mPVC	110.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
553	P032LLZ	125	L-035	L-036	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
554	P030LLZ	227	L-009	L-010	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
571	P029LLZ	126	L-004	L-009	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
574	P012LLZ	80	L-039	L-037	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
575	P009LLZ	75	L-036	L-038	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
576	P008LLZ	79	L-012	L-007	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
580	P007LLZ	61	L-006	L-008	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
584	P003LLZ	76	L-005	L-006	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
601	P351HLZ	43	S-033	B-075	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
608	P336HLZ	41	B-066	B-067	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
610	P139LLZ	179	L-040a	L-040	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
611	P137LLZ	64	L-034a	L-035	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
612	P136LLZ	150	L-034	L-034a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
613	P335HLZ	105	B-016a	B-016	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
614	P334HLZ	114	B-013	B-016a	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
615	P333HLZ	129	B-014a	B-015	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
615	P332HLZ	75	B-014	B-014a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)

624	P135LLZ	83	L-ECO-008	L-ECO-006	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
624	P133LLZ	68	L-ECO-006	L-ECO_007	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
627	P130LLZ	259	L-ECO-006	L-ECO-002	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
628	P129LLZ	97	L-ECO-001	L-ECO-005	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
629	P128LLZ	178	L-ECO-005	L-ECO-004	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
630	P127LLZ	103	L-010a	L-ECO-005	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
631	P126LLZ	95	L-010a	L-012	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
633	P124LLZ	128	L-005	L-007	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
668	P119LLZ	81	L-035a	L-045	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
672	P116LLZ	224	L-008a	L-008	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
894	P-25	63	B-014a	J-26	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
896	P221HLZ(1)	74	B-012	J-27	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
897	P221HLZ(2)	44	J-27	B-013	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
898	P-26	88	J-26	J-27	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
900	P-27	149	J-28	J-26	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
905	P-30	116	J-28	B-016a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
907	P138LLZ(1)	33	L-038	J-31	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
909	P-31	240	L-034a	J-31	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
911	P118LLZ(1)	3	L-035a	J-32	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
912	P118LLZ(2)	181	J-32	L-035	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
914	P011LLZ(1)	36	L-036	J-33	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
915	P011LLZ(2)	88	J-33	L-037	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
916	P-32	152	J-32	J-33	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
919	P117LLZ(1)	113	L-037	J-35	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
920	P117LLZ(2)	74	J-35	L-035a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
921	P-33	44	J-35	J-34	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
923	P013LLZ(1)	30	L-038	J-36	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
924	P013LLZ(2)	126	J-36	L-039	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
926	P138LLZ(2)(1)	192	J-31	J-37	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
927	P138LLZ(2)(2)	8	J-37	L-040a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
930	P-34(1)	75	J-36	J-38	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
931	P-34(2)	71	J-38	J-37	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
933	P010LLZ(1)	62	L-040	J-39	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
934	P010LLZ(2)	81	J-39	L-039	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
935	P-35	162	J-38	J-39	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
944	P294HLZ(1)	111	B-015	J-43	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1065	P006LLZ(1)	15	L-008	J-79	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1069	P131LLZ(2)	131	J-80	L-ECO_007	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1072	P132LLZ(2)	82	J-81	L-ECO-002	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1074	P132LLZ(1)(1)	72	L-ECO_007	J-82	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1075	P132LLZ(1)(2)	77	J-82	J-81	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1078	P040LLZ(2)	101	J-83	L-ECO-004	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1079	P-63	163	J-83	J-82	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1081	P040LLZ(1)(1)	19	L-ECO-003	J-84	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1082	P040LLZ(1)(2)	82	J-84	J-83	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1083	P-64	136	J-84	J-81	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1085	P134LLZ(1)	78	L-008a	J-85	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1086	P134LLZ(2)	92	J-85	L-ECO-008	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1088	P131LLZ(1)(1)	108	L-ECO-001	J-86	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1089	P131LLZ(1)(2)	64	J-86	J-80	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1090	P-65	166	J-86	L-ECO-008	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1091	P-66	170	L-ECO-001	J-85	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1093	P115LLZ(1)	71	L-007	J-87	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1094	P115LLZ(2)	67	J-87	L-008a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1095	P-67	183	L-006	J-87	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1098	P031LLZ(2)	105	J-88	L-012	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1100	P031LLZ(1)(1)	76	L-009	J-89	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1101	P031LLZ(1)(2)	122	J-89	J-88	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1103	P125LLZ(1)	74	L-010	J-90	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1104	P125LLZ(2)	93	J-90	L-010a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1105	P-68	76	J-89	J-90	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1108	P004LLZ(2)	39	J-91	L-005	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1109	P-69	76	J-88	J-91	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1111	P004LLZ(1)(1)	51	L-004	J-92	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1112	P004LLZ(1)(2)	25	J-92	J-91	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1114	P006LLZ(2)(1)	64	J-79	J-93	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1118	P006LLZ(2)(2)(1)	3	J-93	J-94	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1119	P006LLZ(2)(2)(2)	150	J-94	L-003	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1121	P037LLZ(1)	7	L-045	J-95	250.0	mPVC	110.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1122	P037LLZ(2)	145	J-95	L-041	250.0	mPVC	110.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1123	P-71	64	J-94	J-95	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1128	P-70(1)	77	J-92	J-97	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1129	P-70(2)	75	J-97	J-93	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1130	P-72	122	J-96	J-97	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1132	P005LLZ(1)(1)	58	L-003	J-98	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)

1134	P005LLZ(1)(2)	54	J-98	J-96	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1139	P-73	28	J-98	B-010	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1140	P028LLZ(1)	24	L-002	J-100	250.0	mPVC	110.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1141	P028LLZ(2)	126	J-100	L-045	250.0	mPVC	110.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1142	P-74	100	L-001	L-002	250.0	mPVC	110.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1300	P-75	42	L-034	J-100	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1301	P-146	29	J-159	J-28	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1414	P-147	58	L-ECO-004	J-80	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1415	P-176	32	B-008	L-004	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1417	P-177	56	J-96	B-008	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1418	P296HLZ(1)	12	B-012	J-196	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1508	P296HLZ(2)	79	J-196	B-002	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1509	P219HLZ(1)	61	B-007	J-221	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1551	P219HLZ(2)	28	J-221	B-008	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1552	P-142(1)	28	B-068a	J-227	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1554	P-142(2)	36	J-227	S-044a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1555	P-143(1)	25	B-068b	J-228	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1557	P-143(2)	40	J-228	S-046	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1558	P-153(1)	22	J-164	J-229	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1558	P-153(2)	37	J-229	S-047	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)

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Scenario: Interim (ROL 13) - Teviot Road Connection
Current Time Step: 19.000 h
FlexTable: Pipe Table

ID	Label	Length (Scaled) (m)	Start Node	Stop Node	Diameter (mm)	Material	Hazen- Williams C	Flow (L/s)	Flow (Maximum) (L/s)	Pressure (Start) (m H2O)	Velocity (Maximum) (m/s)	Headloss (m)	Velocity (m/s)	Headloss Gradient (m/km)
1410	P-43(2)	81	J-194	B-082	100.0	mPVC	100.0	3.2954	6.8532	37	0.87	0.32	0.42	3.965
1309	P-152	10	J-56	J-74	200.0	mPVC	110.0	-19.6481	-7.3976	37	1.32	0.03	0.63	3.099
1353	P-49(2)	106	J-177	J-56	200.0	mPVC	110.0	-16.2972	-6.1386	42	1.10	0.23	0.52	2.192
1352	P-49(1)	52	B-077	J-177	200.0	mPVC	110.0	-16.2001	-6.1046	44	1.10	0.11	0.52	2.168
352	PRV-3-B	7	PRV-3	1227-B	250.0	mPVC	110.0	27.9134	44.4257	27	0.91	0.01	0.57	2.003
597	P340HLZ	116	TeviotRoadConnection2	1227-A	250.0	mPVC	110.0	27.9134	44.4257	0	0.91	0.23	0.57	2.003
351	PRV-3-A	6	1227-A	PRV-3	250.0	mPVC	110.0	27.9134	44.4257	27	0.91	0.01	0.57	2.003
596	P341HLZ	29	1227-B	S-055	250.0	mPVC	110.0	27.9134	44.4257	27	0.91	0.06	0.57	2.003
1336	P337HLZ(2)(1)	175	J-74	J-173	250.0	mPVC	110.0	-27.6322	-10.1886	37	0.90	0.34	0.56	1.966
1337	P337HLZ(2)(2)	175	J-173	S-055	250.0	mPVC	110.0	-27.6322	-10.1886	36	0.90	0.34	0.56	1.966
1526	P-210(1)(1)	140	L-027	PRV-8	100.0	mPVC	100.0	-2.1220	-0.7511	67	0.27	0.25	0.27	1.755
706	P091LLZ	117	L-027	L-027a	100.0	mPVC	100.0	2.1220	2.1220	67	0.27	0.21	0.27	1.754
1527	P-210(1)(2)	7	PRV-8	J-223	100.0	mPVC	100.0	-2.1220	-0.7511	75	0.27	0.01	0.27	1.754
707	P090LLZ	31	L-027a	L-028	100.0	mPVC	100.0	1.9722	2.3010	69	0.29	0.05	0.25	1.532
1024	P-52	87	J-67	B-077	150.0	mPVC	100.0	-5.6621	-2.1273	47	0.66	0.13	0.32	1.499
376	P286HLZ	66	B-082	B-080	100.0	mPVC	100.0	1.8918	3.9535	34	0.50	0.09	0.24	1.419
583	P148HLZ	81	B-041	B-043	200.0	mPVC	110.0	-11.8507	-4.5506	50	1.00	0.10	0.38	1.215
685	P110LLZ	93	B-068a	B-068	100.0	mPVC	100.0	-1.7399	1.1348	55	0.22	0.11	0.22	1.215
1259	P342HLZ(1)	50	S-004	J-146	100.0	mPVC	100.0	1.7287	1.7287	37	0.22	0.06	0.22	1.200
1023	P-51	42	B-055b	J-67	100.0	mPVC	100.0	-1.6543	-0.6298	46	0.51	0.05	0.21	1.106
683	P112LLZ	64	B-068b	B-068a	100.0	mPVC	100.0	-1.6003	1.1751	54	0.20	0.07	0.20	1.041
569	P014LLZ	67	L-013	L-018	100.0	mPVC	100.0	1.5917	1.5917	66	0.20	0.07	0.20	1.030
714	P083LLZ	257	L-018	L-1085	100.0	mPVC	100.0	1.5519	1.5519	68	0.20	0.25	0.20	0.983
684	P111LLZ	42	B-069	B-068b	100.0	mPVC	100.0	-1.5505	1.1896	54	0.20	0.04	0.20	0.981
992	P-44	27	J-57	B-037	150.0	mPVC	100.0	4.4958	9.7955	50	0.55	0.03	0.25	0.978
390	P277HLZ	62	B-051	B-077	200.0	mPVC	110.0	-10.4825	-3.9579	43	0.73	0.06	0.33	0.968
1313	P047LLZ(2)	33	J-164	B-069	100.0	mPVC	100.0	-1.4907	1.2069	54	0.19	0.03	0.19	0.912
439	P249HLZ	107	B-051	B-046	200.0	mPVC	110.0	10.1442	23.2759	43	0.74	0.10	0.32	0.911
1148	P084LLZ(1)	47	L-1085	P14 - Low Point	100.0	mPVC	100.0	1.4823	1.4823	71	0.19	0.04	0.19	0.903
976	P291HLZ(2)	59	J-52	B-058	100.0	mPVC	100.0	-1.4459	-0.5490	57	0.44	0.05	0.18	0.862
973	P367LLZIRRIG(1)(1)(2)	5	J-51	J-49	150.0	mPVC	100.0	4.1057	17.3748	60	0.98	0.00	0.23	0.828
1312	P047LLZ(1)	151	B-075	J-164	100.0	mPVC	100.0	-1.3910	1.2357	55	0.18	0.12	0.18	0.803
1424	P153HLZ(1)(2)	38	J-198	J-6	100.0	mPVC	100.0	1.3641	1.3641	35	0.17	0.03	0.17	0.774
1025	P-53	57	J-67	J-66	150.0	mPVC	100.0	3.9385	7.6418	47	0.43	0.04	0.22	0.765
1548	P084LLZ(2)(1)	106	P14 - Low Point	P-14 DemandB	100.0	mPVC	100.0	1.3259	1.3259	71	0.17	0.08	0.17	0.734
1481	P-196	42	J-231	B-076	100.0	mPVC	100.0	1.3112	1.3112	54	0.17	0.03	0.17	0.720
1480	P-195	38	B-075	J-231	100.0	mPVC	100.0	1.3112	1.3112	55	0.17	0.03	0.17	0.719
1178	P-88	64	L-028	L-021	100.0	mPVC	100.0	1.3081	1.3081	69	0.17	0.05	0.17	0.716
1403	P244HLZ(2)(2)	2	J-192	B-043	200.0	mPVC	110.0	8.7137	23.0138	51	0.73	0.00	0.28	0.687
1034	P244HLZ(1)	33	B-046	J-70	200.0	mPVC	110.0	8.6388	20.6887	48	0.66	0.02	0.27	0.677
534	P157HLZ	45	S-027	S-026	100.0	mPVC	100.0	-1.2623	-0.3594	54	0.16	0.03	0.16	0.671
442	P246HLZ	58	B-048	B-050	100.0	mPVC	100.0	-1.2507	-0.4770	45	0.39	0.04	0.16	0.659
437	P251HLZ	109	B-064	B-061	100.0	mPVC	100.0	-1.2489	-0.4712	48	0.32	0.07	0.16	0.657
1427	P285HLZ(2)	129	J-199	B-082	100.0	mPVC	100.0	-1.2232	-0.4640	40	0.36	0.08	0.16	0.633
540	P151HLZ	58	S-006	S-007	100.0	mPVC	100.0	1.2064	1.2064	38	0.15	0.04	0.15	0.616
441	P247HLZ	88	B-050	B-052	100.0	mPVC	100.0	-1.2009	-0.4500	42	0.29	0.05	0.15	0.611
1402	P244HLZ(2)(1)	80	J-70	J-192	200.0	mPVC	110.0	8.0307	19.8148	49	0.63	0.05	0.26	0.591
532	P159HLZ	21	S-007	S-008	100.0	mPVC	100.0	1.1768	1.1768	40	0.15	0.01	0.15	0.589
1049	P337HLZ(1)	25	S-100	J-74	200.0	mPVC	110.0	-7.9841	-2.2708	37	0.25	0.01	0.25	0.585
599	P338HLZ	21	S-001	S-100	200.0	mPVC	110.0	-7.9703	-2.2668	37	0.25	0.01	0.25	0.583
1340	P282HLZ(1)	37	B-080	J-174	100.0	mPVC	100.0	1.1662	2.3243	32	0.30	0.02	0.15	0.579
374	P058LLZ	38	L-1000	L-021	100.0	mPVC	100.0	-1.1647	-0.4038	67	0.15	0.02	0.15	0.578
725	P367LLZIRRIG(2)	128	J-1	T-1005	200.0	mPVC	110.0	7.8372	37.2709	62	1.19	0.07	0.25	0.565
1512	P-207	177	J-49	J-1	200.0	mPVC	110.0	7.8372	37.2709	60	1.19	0.10	0.25	0.565
1374	P122LLZ(2)	19	J-184	T-1010	200.0	mPVC	110.0	7.7532	26.4049	65	0.84	0.01	0.25	0.554
1373	P122LLZ(1)	294	T-1005	J-184	200.0	mPVC	110.0	7.7532	26.4049	62	0.84	0.16	0.25	0.554
1260	P342HLZ(2)	77	J-146	S-105	100.0	mPVC	100.0	1.0991	1.0991	39	0.14	0.04	0.14	0.519
677	P292HLZ	227	B-059	B-058a	100.0	mPVC	100.0	1.0881	2.6735	47	0.34	0.12	0.14	0.509
449	P239HLZ	63	B-043	B-044	100.0	mPVC	100.0	-3.1430	-1.2060	51	0.47	0.03	0.18	0.504
1020	P-50(1)	13	J-65	J-66	150.0	mPVC	100.0	-3.1327	-1.1755	48	0.36	0.01	0.18	0.501
1341	P282HLZ(2)	41	J-174	B-053	100.0	mPVC	100.0	1.0529	2.2845	33	0.29	0.02	0.13	0.479
503	P188HLZ	363	S-001	S-002	100.0	mPVC	100.0	1.0340	1.0340	37	0.13	0.17	0.13	0.463
1038	P326HLZ(1)	24	B-049	J-71	100.0	mPVC	100.0	-1.0302	-0.3980	39	0.37	0.01	0.13	0.460
520	P171HLZ	91	S-004	S-001	200.0	mPVC	110.0	-6.8986	-1.9616	37	0.22	0.04	0.22	0.446

1030	P293HLZ(1)	94	B-055b	J-69	100.0	mPVC	100.0	1.0055	2.2884	46	0.29	0.04	0.13	0.440
1349	P149HLZ(2)	102	S-005	J-176	150.0	mPVC	100.0	2.8378	2.8378	36	0.16	0.04	0.16	0.417
1348	P149HLZ(1)	31	J-176	S-006	150.0	mPVC	100.0	2.8080	2.8080	37	0.16	0.01	0.16	0.409
617	P330HLZ	80	B-055	B-055a	100.0	mPVC	100.0	-0.9630	-0.3693	52	0.31	0.03	0.12	0.406
997	P-46	27	B-041	J-57	250.0	mPVC	110.0	11.7290	31.2889	50	0.64	0.01	0.24	0.402
653	P306HLZ	47	S-008	S-008a	100.0	mPVC	100.0	0.8968	0.8968	41	0.11	0.02	0.11	0.356
1017	P254HLZ(2)	231	J-65	B-058	100.0	mPVC	100.0	0.8802	2.1839	48	0.28	0.08	0.11	0.344
446	P242HLZ	41	B-048	B-047	100.0	mPVC	100.0	0.8606	2.5116	45	0.32	0.01	0.11	0.330
568	P015LLZ	25	L-015	L-016	150.0	mPVC	100.0	2.4874	12.1834	64	0.69	0.01	0.14	0.327
512	P179HLZ	65	S-029	S-028	100.0	mPVC	100.0	-0.8566	-0.2435	56	0.11	0.02	0.11	0.327
664	P121LLZ	130	T-1010	L-015	150.0	mPVC	100.0	2.4874	12.1834	64	0.69	0.04	0.14	0.327
1276	P-137	26	J-11	S-035	100.0	mPVC	100.0	0.8374	0.8374	50	0.11	0.01	0.11	0.313
453	P235HLZ	60	B-037	B-036	150.0	mPVC	100.0	2.4180	5.5440	49	0.31	0.02	0.14	0.310
432	P256LLZ	102	B-059	B-061	100.0	mPVC	100.0	0.8315	1.3974	47	0.18	0.03	0.11	0.309
975	P291HLZ(1)	4	B-058a	J-52	100.0	mPVC	100.0	0.8250	4.6762	57	0.60	0.00	0.11	0.305
417	P053LLZ	65	L-024	L-047	100.0	mPVC	100.0	-0.8190	0.6061	59	0.10	0.02	0.10	0.301
502	P189HLZ	85	S-042	S-002	100.0	mPVC	100.0	-0.8039	-0.2287	50	0.10	0.02	0.10	0.291
370	P062LLZ	77	L-024	J-269	100.0	mPVC	100.0	0.7928	0.7928	59	0.10	0.02	0.10	0.283
1009	P243HLZ(1)	35	B-047	J-62	150.0	mPVC	100.0	2.3000	5.0754	47	0.29	0.01	0.13	0.283
517	P174HLZ	32	S-023	S-022	150.0	mPVC	100.0	-2.2469	-0.6390	49	0.13	0.01	0.13	0.271
1524	P-211	64	T-1010	L-014	200.0	mPVC	110.0	5.2658	14.2372	64	0.45	0.02	0.17	0.270
1010	P243HLZ(2)	79	J-62	B-044	150.0	mPVC	100.0	2.2328	5.5301	49	0.31	0.02	0.13	0.268
398	P273HLZ	44	S-053	S-014	150.0	mPVC	100.0	2.1927	2.1927	36	0.12	0.01	0.12	0.259
399	P272HLZ	26	S-005	S-053	150.0	mPVC	100.0	2.1927	2.1927	36	0.12	0.01	0.12	0.259
1345	P170HLZ(2)	18	J-175	S-004	200.0	mPVC	110.0	-5.1400	-1.4604	37	0.16	0.00	0.16	0.259
1344	P170HLZ(1)	79	S-005	J-175	200.0	mPVC	110.0	-5.1201	-1.4547	36	0.16	0.02	0.16	0.257
1366	P-40(2)(2)(1)	68	J-168	J-181	150.0	mPVC	100.0	-2.1739	-0.8712	58	0.46	0.02	0.12	0.255
1334	P-40(2)(1)(2)	54	J-AFL Club House	J-168	150.0	mPVC	100.0	-2.1739	-0.8712	58	0.46	0.01	0.12	0.255
1333	P-40(2)(1)(1)	70	J-166	J-AFL Club House	150.0	mPVC	100.0	-2.1739	-0.8712	58	0.46	0.02	0.12	0.255
1320	P-40(1)	139	J-166	J-51	150.0	mPVC	100.0	2.1739	8.1141	58	0.46	0.04	0.12	0.255
1367	P-40(2)(2)(2)	65	J-181	J-52	150.0	mPVC	100.0	-2.1739	-0.8712	57	0.46	0.02	0.12	0.255
1016	P254HLZ(1)	55	B-059	J-65	150.0	mPVC	100.0	-2.1554	-0.8061	47	0.24	0.01	0.12	0.251
1040	P-56	93	J-71	B-081	100.0	mPVC	100.0	-0.7350	-0.2783	38	0.21	0.02	0.09	0.246
1361	P143LLZ(1)	25	B-076	J-179	100.0	mPVC	100.0	0.7343	0.7343	57	0.10	0.01	0.09	0.246
366	P066LLZ	76	J-269	L-1020	100.0	mPVC	100.0	0.7338	0.7338	59	0.09	0.02	0.09	0.246
1021	P-50(2)	153	J-66	B-060	100.0	mPVC	100.0	0.7226	1.2413	48	0.16	0.04	0.09	0.239
836	P153HLZ(2)	75	J-6	S-020	100.0	mPVC	100.0	0.7189	0.7189	36	0.09	0.02	0.09	0.236
592	P345HLZ	108	S-021	S-115	150.0	mPVC	100.0	-2.0756	-0.5911	48	0.12	0.03	0.12	0.234
1385	P195HLZ(1)	81	S-043	J-188	100.0	mPVC	100.0	0.7037	0.7037	55	0.09	0.02	0.09	0.227
1262	P346HLZ(1)	84	S-115	J-147	150.0	mPVC	100.0	-2.0423	-0.5827	43	0.12	0.02	0.12	0.227
879	P236HLZ(2)	83	J-21	B-037	150.0	mPVC	100.0	-2.0379	-0.7706	46	0.24	0.02	0.12	0.226
988	P-42	192	J-55	B-080	100.0	mPVC	100.0	-0.6979	-0.2649	43	0.21	0.04	0.09	0.224
431	P257LLZ	120	B-058	B-056	100.0	mPVC	100.0	-0.6905	-0.2573	55	0.17	0.03	0.09	0.219
594	P343HLZ	112	S-105	S-004a	100.0	mPVC	100.0	0.6880	0.6880	42	0.09	0.02	0.09	0.218
1046	P248HLZ(2)	120	J-73	B-053	100.0	mPVC	100.0	-0.6850	-0.2582	34	0.18	0.03	0.09	0.216
1362	P143LLZ(2)	62	J-179	L-047	100.0	mPVC	100.0	0.6844	0.6844	58	0.11	0.01	0.09	0.216
1007	P-47(2)	69	J-61	J-60	100.0	mPVC	100.0	-0.6802	-0.2634	41	0.24	0.01	0.09	0.213
1459	P163HLZ(2)	21	J-211	S-011	100.0	mPVC	100.0	0.6755	0.6755	45	0.09	0.00	0.09	0.211
1458	P163HLZ(1)	47	S-010	J-211	100.0	mPVC	100.0	0.6755	0.6755	44	0.09	0.01	0.09	0.211
516	P175HLZ	59	S-028	S-027	100.0	mPVC	100.0	-0.6703	-0.1916	55	0.09	0.01	0.09	0.208
972	P367LLZIRRIG(1)(1)(1)	91	T-1001	J-51	150.0	mPVC	100.0	1.9318	9.2607	58	0.52	0.02	0.11	0.205
519	P172HLZ	50	S-022	S-021	150.0	mPVC	100.0	-1.9269	-0.5487	49	0.11	0.01	0.11	0.204
527	P164HLZ	138	S-011	S-012	100.0	mPVC	100.0	0.6597	0.6597	46	0.08	0.03	0.08	0.202
561	P022LLZ	79	L-028	L-031	100.0	mPVC	100.0	0.6541	1.0183	69	0.13	0.02	0.08	0.199
1447	P-83(1)	45	L-1000	J-207	100.0	mPVC	100.0	0.6532	0.6532	67	0.08	0.01	0.08	0.198
1448	P-83(2)	39	J-207	J-109	100.0	mPVC	100.0	0.6532	0.6532	67	0.08	0.01	0.08	0.198
1541	P002LLZ(1)	132	L-016	J-225	150.0	mPVC	100.0	1.8894	1.8894	64	0.11	0.03	0.11	0.196
1542	P002LLZ(2)	43	J-225	L-017	150.0	mPVC	100.0	1.8894	1.8894	62	0.11	0.01	0.11	0.196
1477	P-193	25	B-067	J-230	150.0	mPVC	100.0	-1.8695	1.0973	60	0.11	0.00	0.11	0.193
1478	P-194	27	J-230	L-017	150.0	mPVC	100.0	-1.8695	1.0973	61	0.11	0.01	0.11	0.193
1563	P044LLZ(1)	28	B-068	PRV-11	150.0	mPVC	100.0	-1.8495	1.1030	59	0.10	0.01	0.10	0.189
1564	P044LLZ(2)	31	PRV-11	B-067	150.0	mPVC	100.0	-1.8495	1.1030	59	0.10	0.01	0.10	0.189
680	P289HLZ	152	S-042	S-043	100.0	mPVC	100.0	0.6277	0.6277	50	0.08	0.03	0.08	0.184
433	P255HLZ	89	B-061	B-060	100.0	mPVC	100.0	-0.6116	-0.2298	43	0.15	0.02	0.08	0.175
808	P067LLZ(1)	68	L-1020	J-2	100.0	mPVC	100.0	0.6038	0.6038	60	0.08	0.01	0.08	0.171
1386	P195HLZ(2)	67	J-188	S-044	100.0	mPVC	100.0	0.5942	0.5942	56	0.08	0.01	0.08	0.166
996	P-45	30	J-57	J-58	250.0	mPVC	110.0	7.2232	21.4899	50	0.44	0.00	0.15	0.164
995	P263HLZ(2)	57	J-58	B-035	250.0	mPVC	110.0	7.2132	21.4863	51	0.44	0.01	0.15	0.163
1295	P329HLZ(2)	63	J-157	B-049	100.0	mPVC	100.0	-0.5865	-0.2243	36	0.19	0.01	0.07	0.162
1316	P267HLZ(1)	136	B-035	J-165	250.0	mPVC	110.0	7.1333	21.4580	52	0.44	0.02	0.15	0.160
1317	P267HLZ(2)	18	J-165	B-034	250.0	mPVC	110.0	7.0834	21.4403	54	0.44	0.00	0.14	0.158
405	P268HLZ	69	B-034	B-033	250.0	mPVC	110.0	7.0435	21.4261	55	0.44	0.01	0.14	0.156
667	P297HLZ	39	B-033	T-1001	250.0	mPVC	110.0	7.0136	21.4155	57	0.44	0.01	0.14	0.155
1463	P187HLZ(1)	76	S-012	J-213	100.0	mPVC	100.0	0.5708	0.5708	49	0.07	0.01	0.07	0.154
1464	P187HLZ(2)	46	J-213	S-013	100.0	mPVC	100.0	0.5708	0.5708	51	0.07	0.01	0.07	0.154

	P158HLZ(1)	110	S-009	J-209	100.0	mPVC	100.0	0.5687	0.5687	42	0.07	0.02	0.07	0.153
1454	P158HLZ(2)	88	J-209	S-010	100.0	mPVC	100.0	0.5687	0.5687	43	0.07	0.01	0.07	0.153
518	P173HLZ	30	S-024	S-023	150.0	mPVC	100.0	-1.6462	-0.4694	50	0.09	0.00	0.09	0.152
1036	P-55	80	B-055a	J-70	100.0	mPVC	100.0	-0.5661	-0.2086	49	0.11	0.01	0.07	0.152
1006	P-47(1)	83	J-59	J-61	100.0	mPVC	100.0	-0.5616	-0.2134	43	0.18	0.01	0.07	0.150
514	P177HLZ	155	S-025	S-024	150.0	mPVC	100.0	-1.6037	-0.4563	52	0.09	0.02	0.09	0.145
616	P331HLZ	111	B-055a	B-055b	100.0	mPVC	100.0	-0.5517	-0.2150	49	0.21	0.02	0.07	0.145
850	P-12	82	S-023	J-11	100.0	mPVC	100.0	0.5510	0.5510	49	0.07	0.01	0.07	0.144
970	P-39	110	J-50	J-49	200.0	mPVC	110.0	3.7316	19.8961	59	0.63	0.02	0.12	0.143
418	P052LLZ	55	B-073	B-076	100.0	mPVC	100.0	-0.5471	0.4435	56	0.07	0.01	0.07	0.143
660	P299HLZ	88	B-021	B-021a	100.0	mPVC	100.0	0.5418	1.2666	54	0.16	0.01	0.07	0.140
1282	P186HLZ(2)(2)(1)	20	J-13	J-152	100.0	mPVC	100.0	-0.5404	-0.1546	58	0.07	0.00	0.07	0.140
1264	P-134	172	J-146	J-147	100.0	mPVC	100.0	0.5401	0.5401	39	0.07	0.02	0.07	0.139
1171	P-85	77	J-109	J-107	100.0	mPVC	100.0	0.5385	0.5385	64	0.07	0.01	0.07	0.138
1263	P346HLZ(2)	32	S-006	J-147	150.0	mPVC	100.0	1.5519	1.5519	38	0.09	0.00	0.09	0.136
654	P305HLZ	97	S-027a	S-027	100.0	mPVC	100.0	-0.5225	-0.1480	55	0.07	0.01	0.07	0.131
1294	P329HLZ(1)	148	B-045a	J-157	100.0	mPVC	100.0	-0.5205	-0.2008	39	0.19	0.02	0.07	0.130
1423	P153HLZ(1)(1)	13	S-014	J-198	150.0	mPVC	100.0	1.5022	1.5022	35	0.09	0.00	0.09	0.129
986	P284HLZ(1)	75	B-081	J-55	100.0	mPVC	100.0	-0.5169	-0.1918	40	0.10	0.01	0.07	0.128
443	P245HLZ	63	B-047	B-046	150.0	mPVC	100.0	-1.4754	-0.5490	47	0.15	0.01	0.08	0.124
837	P-6	112	J-6	S-120	100.0	mPVC	100.0	0.5071	0.5071	36	0.06	0.01	0.06	0.124
1031	P293HLZ(2)	28	J-69	B-057	100.0	mPVC	100.0	0.5050	1.0251	49	0.13	0.00	0.06	0.123
843	P-8	79	S-004a	J-8	100.0	mPVC	100.0	0.4989	0.4989	46	0.06	0.01	0.06	0.120
1409	P-43(1)	8	J-56	J-194	200.0	mPVC	110.0	3.3509	6.8726	37	0.22	0.00	0.11	0.117
1356	P060LLZ(1)(1)	54	L-1000	J-178	100.0	mPVC	100.0	0.4879	0.4879	67	0.06	0.01	0.06	0.115
435	P253HLZ	126	B-063	B-064	100.0	mPVC	100.0	-0.4726	-0.1840	53	0.16	0.01	0.06	0.109
983	P303HLZ(2)	139	J-54	B-064	100.0	mPVC	100.0	-0.4711	-0.1803	54	0.15	0.02	0.06	0.108
1529	P042LLZ(2)(1)	145	J-101	PRV-9	200.0	mPVC	110.0	-3.1338	-1.0935	65	0.39	0.02	0.10	0.103
1530	P042LLZ(2)(2)	54	PRV-9	L-014	200.0	mPVC	110.0	-3.1339	-1.0935	65	0.39	0.01	0.10	0.103
659	P300HLZ	63	B-021a	B-018	100.0	mPVC	100.0	0.4549	0.7871	50	0.10	0.01	0.06	0.101
809	P067LLZ(2)	76	J-2	L-044	100.0	mPVC	100.0	0.4532	0.4532	60	0.06	0.01	0.06	0.101
1357	P060LLZ(1)(2)	108	J-178	J-108	100.0	mPVC	100.0	0.4406	0.4406	69	0.06	0.01	0.06	0.095
841	P-7	74	S-052	J-7	100.0	mPVC	100.0	0.4397	0.4397	39	0.06	0.01	0.06	0.095
1002	P241HLZ(1)	39	B-049	J-60	100.0	mPVC	100.0	0.4378	1.4080	39	0.18	0.00	0.06	0.094
1027	P258HLZ(1)	76	B-056	J-68	100.0	mPVC	100.0	-0.4352	-0.1561	56	0.06	0.01	0.06	0.093
1420	P-24(1)	138	B-018a	J-197	100.0	mPVC	100.0	-0.4221	-0.1502	47	0.10	0.01	0.05	0.088
373	P059LLZ	76	L-1005	L-042	100.0	mPVC	100.0	0.4211	0.4211	59	0.05	0.01	0.05	0.088
368	P064LLZ	20	L-1010	L-1015	100.0	mPVC	100.0	0.4197	0.4197	59	0.05	0.00	0.05	0.087
969	P275HLZ(2)(2)(2)	27	B-026	J-50	250.0	mPVC	110.0	5.1168	17.5835	60	0.36	0.00	0.10	0.087
955	P301HLZ(1)	88	B-024	J-46	100.0	mPVC	100.0	0.4182	0.4182	58	0.05	0.01	0.05	0.087
666	P298HLZ	52	T-1001	B-026	250.0	mPVC	110.0	5.0518	12.1441	58	0.25	0.00	0.10	0.084
645	P314HLZ	68	B-036	B-028a	150.0	mPVC	100.0	1.1980	2.0876	47	0.12	0.01	0.07	0.084
1174	P060LLZ(2)(1)	116	J-108	J-110	100.0	mPVC	100.0	0.4017	0.4017	63	0.05	0.01	0.05	0.080
1284	P-139	271	J-152	S-027a	100.0	mPVC	100.0	-0.4009	-0.1143	58	0.05	0.02	0.05	0.080
840	P196HLZ(2)	148	J-7	S-019	100.0	mPVC	100.0	0.3973	0.3973	42	0.05	0.01	0.05	0.079
494	P197HLZ	216	S-019	S-009	100.0	mPVC	100.0	0.3973	0.3973	41	0.05	0.02	0.05	0.079
878	P236HLZ(1)	81	B-038	J-21	150.0	mPVC	100.0	-1.1386	-0.4297	43	0.13	0.01	0.06	0.077
515	P176HLZ	48	S-026	S-025	150.0	mPVC	100.0	-1.1301	-0.3202	53	0.06	0.00	0.06	0.076
651	P308HLZ	117	B-036	B-036a	150.0	mPVC	100.0	1.1201	3.4210	47	0.19	0.01	0.06	0.075
862	P065LLZ(1)	22	L-1015	J-15	100.0	mPVC	100.0	0.3843	0.3843	59	0.05	0.00	0.05	0.074
963	P-38	64	J-48	B-024	100.0	mPVC	100.0	0.3834	0.3834	60	0.18	0.00	0.05	0.074
1280	P-138	185	S-008a	J-151	100.0	mPVC	100.0	0.3831	0.3831	42	0.05	0.01	0.05	0.074
644	P315HLZ	57	B-028a	B-028	150.0	mPVC	100.0	1.1083	2.8396	49	0.16	0.00	0.06	0.073
652	P307HLZ	193	S-008a	S-034	100.0	mPVC	100.0	0.3754	0.3754	42	0.05	0.01	0.05	0.071
536	P155HLZ	48	S-020	S-017	100.0	mPVC	100.0	0.3720	0.3720	36	0.05	0.00	0.05	0.070
844	P-9	67	J-8	S-022	100.0	mPVC	100.0	0.3695	0.3695	48	0.05	0.00	0.05	0.069
588	P349HLZ	96	S-120	S-052	100.0	mPVC	100.0	0.3689	0.3689	39	0.05	0.01	0.05	0.069
1273	P165HLZ(2)	99	J-150	S-035	100.0	mPVC	100.0	-0.3683	-0.1048	48	0.05	0.01	0.05	0.068
489	P202HLZ	286	S-037	S-013	100.0	mPVC	100.0	-0.3666	-0.1044	58	0.05	0.02	0.05	0.068
1176	P-87	35	J-110	L-1010	100.0	mPVC	100.0	0.3663	0.3663	60	0.05	0.00	0.05	0.068
429	P259HLZ	184	B-057	B-056	100.0	mPVC	100.0	0.3663	0.9765	50	0.12	0.01	0.05	0.068
687	P287HLZ	76	S-044	S-044a	100.0	mPVC	100.0	0.3652	0.3652	56	0.05	0.01	0.05	0.067
1426	P285HLZ(1)	13	B-052	J-199	150.0	mPVC	100.0	-1.0568	-0.4058	41	0.16	0.00	0.06	0.067
1032	P-54	134	J-68	J-69	100.0	mPVC	100.0	-0.3618	-0.1436	55	0.15	0.01	0.05	0.066
511	P180HLZ	84	S-029	S-045	100.0	mPVC	100.0	0.3601	0.3601	56	0.05	0.01	0.05	0.066
951	P223HLZ(2)(1)	63	J-40	J-45	100.0	mPVC	100.0	0.3582	0.3582	50	0.08	0.00	0.05	0.065
419	P051LLZ	102	B-072	B-073	100.0	mPVC	100.0	-0.3577	0.4983	55	0.06	0.01	0.05	0.065
363	P069LLZ	76	L-042	J-272	100.0	mPVC	100.0	0.3436	0.3436	59	0.04	0.00	0.04	0.060
362	P070LLZ	76	J-273	L-044	100.0	mPVC	100.0	-0.3416	-0.0740	60	0.04	0.00	0.04	0.060
379	P283HLZ	203	B-053	B-081	100.0	mPVC	100.0	0.3380	0.8659	33	0.11	0.01	0.04	0.058
1400	P294HLZ(2)(2)	68	J-191	B-018a	100.0	mPVC	100.0	-0.3274	-0.1173	43	0.10	0.00	0.04	0.055
999	P240HLZ(1)	164	B-044	J-59	150.0	mPVC	100.0	-0.9462	-0.3660	50	0.16	0.01	0.05	0.055
863	P065LLZ(2)	7	J-15	L-1005	100.0	mPVC	100.0	0.3252	0.3329	59	0.04	0.00	0.04	0.054
958	P275HLZ(1)	202	J-47	B-020	150.0	mPVC	100.0	0.9345	0.9345	60	0.06	0.01	0.05	0.053
1003	P241HLZ(2)	166	J-60	B-048	100.0	mPVC	100.0	-0.3204	-0.1196	40	0.07	0.01	0.04	0.053

	P-78	62	L-031	L-1055	100.0	mPVC	100.0	0.3167	0.5685	66	0.07	0.00	0.04	0.052
1042	P326HLZ(2)(1)	39	J-71	J-72	100.0	mPVC	100.0	-0.3133	-0.1261	38	0.16	0.00	0.04	0.051
1523	P-210(2)	13	J-223	L-014	200.0	mPVC	110.0	-2.1220	-0.7511	65	0.07	0.00	0.07	0.050
522	P169HLZ	184	S-035	S-036	100.0	mPVC	100.0	0.3112	0.3112	51	0.04	0.01	0.04	0.050
1047	P-57	146	J-72	J-73	100.0	mPVC	100.0	-0.2996	-0.1151	37	0.10	0.01	0.04	0.047
458	P230HLZ	34	B-022	B-021	150.0	mPVC	100.0	0.8658	2.4303	56	0.14	0.00	0.05	0.046
700	P097LLZ	31	L-031	L-1050	100.0	mPVC	100.0	0.2976	0.4357	66	0.06	0.00	0.04	0.046
459	P229HLZ	29	B-023	B-022	150.0	mPVC	100.0	0.8525	1.0326	57	0.06	0.00	0.05	0.045
506	P185HLZ	116	S-030	S-029	100.0	mPVC	100.0	-0.2887	-0.0817	57	0.04	0.01	0.04	0.044
1275	P-136	10	S-034	J-11	100.0	mPVC	100.0	0.2864	0.2864	50	0.04	0.00	0.04	0.043
513	P178HLZ	125	S-025	S-043	100.0	mPVC	100.0	0.2850	0.2850	52	0.04	0.01	0.04	0.043
1045	P248HLZ(1)	76	B-054	J-73	100.0	mPVC	100.0	-0.2835	-0.1069	35	0.07	0.00	0.04	0.042
686	P288HLZ	146	S-044a	S-028	100.0	mPVC	100.0	0.2756	0.2756	53	0.04	0.01	0.04	0.040
881	P-22	137	B-031b	J-21	150.0	mPVC	100.0	-0.7996	-0.3055	49	0.11	0.01	0.05	0.040
1179	P-89	90	J-107	J-105	100.0	mPVC	100.0	0.2724	0.2724	63	0.03	0.00	0.03	0.039
531	P160HLZ	37	S-008	S-009	100.0	mPVC	100.0	0.2702	0.2702	41	0.03	0.00	0.03	0.039
490	P201HLZ	11	S-038	S-037	100.0	mPVC	100.0	-0.2679	-0.0766	58	0.03	0.00	0.03	0.038
403	P269HLZ	56	B-028	B-027	150.0	mPVC	100.0	0.7637	2.8058	53	0.16	0.00	0.04	0.037
360	P072LLZ	63	J-272	J-274	100.0	mPVC	100.0	0.2608	0.2608	60	0.03	0.00	0.03	0.036
395	P274HLZ	172	B-016	B-020	150.0	mPVC	100.0	-0.7569	1.0932	50	0.06	0.01	0.04	0.036
1283	P186HLZ(2)(2)(2)	56	J-152	S-038	100.0	mPVC	100.0	-0.2580	-0.0738	58	0.03	0.00	0.03	0.035
639	P320HLZ	127	B-036a	B-025a	150.0	mPVC	100.0	0.7399	2.7510	49	0.16	0.00	0.04	0.035
1505	P-205	53	P14 Demand A	J-101	250.0	mPVC	110.0	-3.0940	-1.0795	65	0.06	0.00	0.06	0.034
593	P344HLZ	75	S-105	S-110	100.0	mPVC	100.0	0.2518	0.2518	42	0.03	0.00	0.03	0.034
1056	P322HLZ(1)	53	B-027	J-77	150.0	mPVC	100.0	0.7237	2.7916	55	0.16	0.00	0.04	0.033
697	P100LLZ	88	L-1055	L-033	100.0	mPVC	100.0	0.2469	0.5438	63	0.07	0.00	0.03	0.033
1404	P-175	80	J-192	B-055	150.0	mPVC	100.0	-0.7130	-0.2949	51	0.18	0.00	0.04	0.032
643	P316HLZ	74	B-031a	B-031b	150.0	mPVC	100.0	-0.6997	-0.2587	48	0.06	0.00	0.04	0.031
823	P152HLZ(1)	25	S-014	J-1	150.0	mPVC	100.0	0.6905	0.6905	35	0.04	0.00	0.04	0.030
855	P186HLZ(2)(1)	42	J-12	J-13	100.0	mPVC	100.0	-0.2369	-0.0683	57	0.03	0.00	0.03	0.030
535	P156HLZ	207	S-017	S-018	100.0	mPVC	100.0	0.2339	0.2339	39	0.03	0.01	0.03	0.030
886	P323HLZ(1)	34	B-023a	J-24	150.0	mPVC	100.0	0.6666	2.9412	55	0.17	0.00	0.04	0.029
1062	P-61	81	J-17	J-78	100.0	mPVC	100.0	-0.2288	-0.0936	54	0.13	0.00	0.03	0.028
1156	P-80	166	L-1050	J-103	100.0	mPVC	100.0	0.2278	0.4110	66	0.05	0.00	0.03	0.028
1063	P-62	176	B-036a	B-023b	100.0	mPVC	100.0	0.2205	0.6134	49	0.08	0.00	0.03	0.026
982	P303HLZ(1)	64	B-064a	J-54	100.0	mPVC	100.0	-0.2171	-0.0820	56	0.07	0.00	0.03	0.026
1399	P294HLZ(2)(1)	91	J-43	J-191	100.0	mPVC	100.0	-0.2169	-0.0789	47	0.09	0.00	0.03	0.026
1158	P-82	158	B-071a	L-047	100.0	mPVC	100.0	0.2143	0.2672	57	0.03	0.00	0.03	0.025
648	P311HLZ	62	B-038a	B-038	150.0	mPVC	100.0	-0.6204	-0.2361	44	0.08	0.00	0.04	0.025
359	P073LLZ	84	J-275	J-273	100.0	mPVC	100.0	-0.2118	-0.0581	59	0.03	0.00	0.03	0.025
481	P210HLZ	112	S-052	S-020	100.0	mPVC	100.0	-0.2088	-0.0594	39	0.03	0.00	0.03	0.024
679	P290HLZ	75	B-062	B-058a	100.0	mPVC	100.0	-0.2076	2.0385	59	0.26	0.00	0.03	0.024
1396	P-13(1)	111	J-13	P8 Low Point	100.0	mPVC	100.0	0.2048	0.2048	58	0.03	0.00	0.03	0.023
891	P318HLZ(1)(2)	69	J-25	J-23	150.0	mPVC	100.0	-0.5942	-0.2326	54	0.13	0.00	0.03	0.023
647	P312HLZ	77	B-031	B-031a	150.0	mPVC	100.0	-0.5903	-0.2273	51	0.09	0.00	0.03	0.023
462	P226HLZ	142	B-024	B-021	100.0	mPVC	100.0	-0.1994	-0.0807	58	0.14	0.00	0.03	0.022
1057	P322HLZ(2)	29	J-77	B-023a	150.0	mPVC	100.0	0.5706	3.1423	55	0.18	0.00	0.03	0.021
1278	P161HLZ(1)	57	S-010	J-151	100.0	mPVC	100.0	-0.1957	-0.0554	44	0.02	0.00	0.02	0.021
1152	P-79	61	L-033	B-071a	100.0	mPVC	100.0	0.1956	0.8560	60	0.11	0.00	0.02	0.021
1061	P231HLZ(2)	52	J-78	B-029	150.0	mPVC	100.0	-0.5697	-0.2223	52	0.10	0.00	0.03	0.021
979	P260HLZ(1)	75	B-062	J-53	100.0	mPVC	100.0	0.1947	0.1958	59	0.12	0.00	0.02	0.021
638	P321HLZ	80	B-025a	B-025	150.0	mPVC	100.0	0.5650	3.4593	58	0.20	0.00	0.03	0.021
507	P184HLZ	70	S-031	S-030	100.0	mPVC	100.0	-0.1935	-0.0554	56	0.02	0.00	0.02	0.021
620	P327HLZ	145	B-049a	B-054	100.0	mPVC	100.0	-0.1936	-0.0749	35	0.07	0.00	0.02	0.021
884	P318HLZ(2)	89	J-23	B-030a	150.0	mPVC	100.0	-0.5595	-0.2239	55	0.14	0.00	0.03	0.021
887	P323HLZ(2)	47	J-24	B-023	150.0	mPVC	100.0	0.5321	3.0764	55	0.17	0.00	0.03	0.019
523	P168HLZ	80	S-036	S-026	100.0	mPVC	100.0	0.1818	0.1818	53	0.02	0.00	0.02	0.019
942	P222HLZ(2)	160	J-42	B-016	100.0	mPVC	100.0	-0.1737	0.5546	47	0.07	0.00	0.02	0.017
1421	P-24(2)	43	J-197	J-25	150.0	mPVC	100.0	-0.5010	-0.1776	52	0.05	0.00	0.03	0.017
1028	P258HLZ(2)	110	J-68	B-055	100.0	mPVC	100.0	-0.1705	0.7978	55	0.10	0.00	0.02	0.016
1274	P-135	155	J-150	J-149	100.0	mPVC	100.0	0.1669	0.1669	48	0.02	0.00	0.02	0.016
949	P222HLZ(1)(2)	68	J-44	J-42	100.0	mPVC	100.0	-0.1655	-0.0577	45	0.02	0.00	0.02	0.016
937	P223HLZ(1)	5	B-016	J-40	150.0	mPVC	100.0	0.4569	0.4569	50	0.03	0.00	0.03	0.015
952	P223HLZ(2)(2)	90	J-45	B-019	100.0	mPVC	100.0	0.1635	0.1635	51	0.04	0.00	0.02	0.015
858	P-14	118	S-054	J-12	100.0	mPVC	100.0	-0.1635	-0.0465	57	0.02	0.00	0.02	0.015
825	P-1	139	A-01	J-1	100.0	mPVC	100.0	-0.1595	-0.0449	37	0.02	0.00	0.02	0.014
875	P-20	76	J-20	B-038a	150.0	mPVC	100.0	-0.4603	-0.1720	43	0.05	0.00	0.03	0.014
450	P238HLZ	155	B-039	B-038	150.0	mPVC	100.0	-0.4483	-0.1688	38	0.05	0.00	0.03	0.014
619	P328HLZ	47	B-045	B-045a	150.0	mPVC	100.0	-0.4486	-0.1753	39	0.08	0.00	0.03	0.014
463	P225HLZ	166	B-019	B-018	100.0	mPVC	100.0	-0.1522	-0.0539	55	0.05	0.00	0.02	0.013
640	P319HLZ	173	B-030a	B-030	150.0	mPVC	100.0	-0.4370	-0.1781	54	0.11	0.00	0.02	0.013
1443	P-77(2)	124	J-205	L-019	100.0	mPVC	100.0	0.1498	0.1500	69	0.04	0.00	0.02	0.013
1442	P-77(1)	53	L-027a	J-205	100.0	mPVC	100.0	0.1498	0.1500	69	0.04	0.00	0.02	0.013
421	P049LLZ	63	B-070	B-072	100.0	mPVC	100.0	-0.1495	-0.0433	55	0.02	0.00	0.02	0.013
1000	P240HLZ(2)	55	J-59	B-045	150.0	mPVC	100.0	-0.4306	-0.1689	43	0.08	0.00	0.02	0.013

	P325HLZ	75	B-023b	B-023a	100.0	mPVC	100.0	0.1460	0.1467	56	0.02	0.00	0.02	0.012
946	P-36	63	J-43	J-42	100.0	mPVC	100.0	0.1458	0.7155	47	0.09	0.00	0.02	0.012
719	P078LLZ	59	J-277	J-275	100.0	mPVC	100.0	-0.1409	-0.0382	59	0.02	0.00	0.02	0.012
590	P347HLZ	43	S-110	S-115	100.0	mPVC	100.0	0.1423	0.1423	42	0.02	0.00	0.02	0.012
1190	P-95	18	J-46	J-116	100.0	mPVC	100.0	0.1421	0.1421	57	0.02	0.00	0.02	0.011
824	P152HLZ(2)	88	J-1	S-015	150.0	mPVC	100.0	0.3929	0.3929	35	0.02	0.00	0.02	0.011
956	P301HLZ(2)	155	J-46	B-021a	100.0	mPVC	100.0	0.1341	0.1341	57	0.05	0.00	0.02	0.011
480	P041LLZ	231	L-013	P14 Demand A	250.0	mPVC	110.0	-1.6215	-0.5730	66	0.03	0.00	0.03	0.010
460	P228HLZ	137	B-025	B-023	150.0	mPVC	100.0	0.3803	0.3857	59	0.12	0.00	0.02	0.010
649	P310HLZ	53	B-039a	B-039	150.0	mPVC	100.0	-0.3784	-0.1441	41	0.05	0.00	0.02	0.010
980	P260HLZ(2)	89	J-53	B-065	100.0	mPVC	100.0	0.1297	0.1298	59	0.05	0.00	0.02	0.010
1286	P-140	145	J-153	S-044	100.0	mPVC	100.0	-0.1294	-0.0373	53	0.02	0.00	0.02	0.010
682	P113LLZ	99	B-072	B-071a	100.0	mPVC	100.0	0.1284	0.1288	55	0.07	0.00	0.02	0.010
1172	P-86	127	J-107	L-1010	100.0	mPVC	100.0	0.1243	0.1243	63	0.02	0.00	0.02	0.009
499	P192HLZ	136	S-045	S-047	100.0	mPVC	100.0	0.1212	0.1212	54	0.02	0.00	0.02	0.009
456	P232HLZ	67	B-031	B-029	150.0	mPVC	100.0	0.3448	1.7340	51	0.10	0.00	0.02	0.008
1160	P-1(1)	59	L-1005	J-104	100.0	mPVC	100.0	-0.1195	0.1050	59	0.02	0.00	0.02	0.008
860	P-15	120	J-14	J-274	100.0	mPVC	100.0	-0.1181	-0.0331	59	0.02	0.00	0.02	0.008
541	P150HLZ	135	S-015	S-016	100.0	mPVC	100.0	0.1167	0.1167	33	0.01	0.00	0.01	0.008
1370	P-167	39	J-High School	L-016	150.0	mPVC	100.0	-0.3388	-0.2894	63	0.43	0.00	0.02	0.008
1043	P326HLZ(2)(2)	76	J-72	B-049a	100.0	mPVC	100.0	-0.1156	-0.0472	37	0.07	0.00	0.01	0.008
1161	P-1(2)	59	J-104	J-2	100.0	mPVC	100.0	-0.1151	0.2367	59	0.03	0.00	0.01	0.008
508	P183HLZ	33	S-032	S-031	100.0	mPVC	100.0	-0.1141	-0.0327	56	0.01	0.00	0.01	0.008
968	P275HLZ(2)(2)(1)	35	J-50	J-48	250.0	mPVC	110.0	1.3752	1.3752	59	0.05	0.00	0.03	0.008
1549	P084LLZ(2)(2)	84	P-14 DemandB	L-019	100.0	mPVC	100.0	-0.1100	0.2976	70	0.04	0.00	0.01	0.007
1397	P-13(2)	82	P8 Low Point	S-039	100.0	mPVC	100.0	0.1061	0.1061	59	0.01	0.00	0.01	0.007
451	P237HLZ	238	B-030	B-032	150.0	mPVC	100.0	-0.2958	-0.1201	53	0.07	0.00	0.02	0.006
510	P181HLZ	63	S-045	S-046	100.0	mPVC	100.0	0.0995	0.0995	54	0.01	0.00	0.01	0.006
1185	P-92	147	J-104	J-105	100.0	mPVC	100.0	-0.0989	-0.0345	59	0.02	0.00	0.01	0.006
455	P233HLZ	74	B-029	B-028	150.0	mPVC	100.0	-0.2847	0.0085	51	0.02	0.00	0.02	0.006
1376	P-169	46	S-NEIGHBOURHOODCENTRE	S-055	150.0	mPVC	100.0	-0.2812	-0.1900	38	0.03	0.00	0.02	0.006
464	P224HLZ	78	B-018	B-017	100.0	mPVC	100.0	0.0975	0.3224	47	0.04	0.00	0.01	0.006
839	P196HLZ(1)	38	S-018	J-7	100.0	mPVC	100.0	0.0958	0.0958	43	0.01	0.00	0.01	0.006
357	P075LLZ	80	J-274	J-276	100.0	mPVC	100.0	0.0954	0.0954	60	0.01	0.00	0.01	0.006
888	P-23	103	J-23	J-24	100.0	mPVC	100.0	-0.0946	0.1543	55	0.02	0.00	0.01	0.006
872	P265HLZ(2)	61	J-19	B-032	150.0	mPVC	100.0	0.2773	0.5276	50	0.03	0.00	0.02	0.005
1060	P231HLZ(1)	57	B-030	J-78	100.0	mPVC	100.0	-0.2710	-0.1040	53	0.04	0.00	0.02	0.005
560	P023LLZ	111	L-021	L-022	100.0	mPVC	100.0	0.0935	0.5132	67	0.07	0.00	0.01	0.005
984	P-41	159	J-53	J-54	100.0	mPVC	100.0	-0.0876	-0.0401	59	0.08	0.00	0.01	0.005
582	P001LLZ	28	L-016	L-SCHOOL	150.0	mPVC	100.0	0.2592	5.6708	64	0.32	0.00	0.01	0.005
650	P309HLZ	251	B-032	B-039a	150.0	mPVC	100.0	-0.2480	-0.0970	49	0.04	0.00	0.01	0.005
436	P252HLZ	125	B-062	B-063	100.0	mPVC	100.0	-0.0842	-0.0466	59	0.14	0.00	0.01	0.004
867	P-17	24	J-16	J-17	150.0	mPVC	100.0	-0.2422	-0.0883	54	0.03	0.00	0.01	0.004
874	P-19	205	J-19	J-20	150.0	mPVC	100.0	-0.2315	-0.0916	50	0.05	0.00	0.01	0.004
424	P046LLZ	198	B-070	B-078	100.0	mPVC	100.0	0.0797	0.0797	55	0.01	0.00	0.01	0.004
987	P284HLZ(2)	7	J-55	B-050	100.0	mPVC	100.0	0.0877	0.7870	43	0.10	0.00	0.01	0.004
1269	P167HLZ(2)(1)	15	J-148	J-149	100.0	mPVC	100.0	-0.0790	-0.0223	51	0.01	0.00	0.01	0.004
635	P324HLZ	75	B-025a	B-023b	100.0	mPVC	100.0	0.0752	0.0775	58	0.10	0.00	0.01	0.004
438	P250HLZ	63	B-052	B-051	150.0	mPVC	100.0	-0.2134	0.4759	41	0.03	0.00	0.01	0.004
865	P-16	45	B-030a	J-16	150.0	mPVC	100.0	-0.2123	-0.0777	54	0.03	0.00	0.01	0.004
961	P275HLZ(2)(1)	8	J-47	J-48	250.0	mPVC	110.0	-0.9818	1.0298	60	0.02	0.00	0.02	0.003
1387	P-174	20	J-188	J-155	100.0	mPVC	100.0	0.0697	0.0697	56	0.01	0.00	0.01	0.003
501	P190HLZ	186	S-002	S-003	100.0	mPVC	100.0	0.0694	0.0694	52	0.01	0.00	0.01	0.003
848	P-11	18	J-9	J-8	100.0	mPVC	100.0	-0.0697	-0.0201	47	0.01	0.00	0.01	0.003
509	P182HLZ	29	S-033	S-032	100.0	mPVC	100.0	-0.0663	-0.0180	55	0.01	0.00	0.01	0.003
1272	P165HLZ(1)	50	S-011	J-150	100.0	mPVC	100.0	-0.0632	-0.0176	46	0.01	0.00	0.01	0.003
1188	P-94	59	B-019	J-115	100.0	mPVC	100.0	0.0631	0.0631	55	0.01	0.00	0.01	0.003
953	P-37	172	J-44	J-45	100.0	mPVC	100.0	0.0579	0.3745	45	0.05	0.00	0.01	0.002
871	P265HLZ(1)	70	B-031	J-19	150.0	mPVC	100.0	0.1556	0.1556	51	0.01	0.00	0.01	0.002
655	P304HLZ	55	S-013	S-027a	100.0	mPVC	100.0	0.0463	0.0463	53	0.01	0.00	0.01	0.002
585	P350HLZ	79	S-042	S-024	100.0	mPVC	100.0	0.0468	0.0468	50	0.01	0.00	0.01	0.002
1052	P-58	31	J-75	S-015	150.0	mPVC	100.0	-0.1381	-0.0389	33	0.01	0.00	0.01	0.002
720	P077LLZ	83	L-043	J-277	100.0	mPVC	100.0	-0.0464	-0.0127	58	0.01	0.00	0.01	0.001
482	P209HLZ	61	S-054	S-041	100.0	mPVC	100.0	0.0409	0.0409	57	0.01	0.00	0.01	0.001
1155	P144LLZ(2)	37	J-103	B-074	100.0	mPVC	100.0	0.0399	0.0399	60	0.01	0.00	0.01	0.001
1058	P-60	76	J-76	J-77	150.0	mPVC	100.0	-0.1033	0.3733	54	0.02	0.00	0.01	0.001
484	P207HLZ	81	S-033	S-041	100.0	mPVC	100.0	0.0365	0.0365	55	0.00	0.00	0.00	0.001
1186	P-93	24	J-105	J-106	100.0	mPVC	100.0	0.0318	0.0318	62	0.00	0.00	0.00	0.001
1303	P-148	12	J-160	B-049a	100.0	mPVC	100.0	-0.0360	-0.0105	35	0.00	0.00	0.00	0.001
1296	P-144	25	J-156	J-157	100.0	mPVC	100.0	-0.0360	-0.0105	35	0.00	0.00	0.00	0.001
485	P206HLZ	100	S-039	S-040	100.0	mPVC	100.0	0.0312	0.0312	58	0.00	0.00	0.00	0.001
1170	P-84	70	J-109	J-108	100.0	mPVC	100.0	0.0320	0.0320	64	0.00	0.00	0.00	0.001
461	P227HLZ	62	B-026	B-025	150.0	mPVC	100.0	-0.0849	-0.0649	60	0.31	0.00	0.00	0.001
356	P076LLZ	158	J-276	L-043	100.0	mPVC	100.0	0.0245	0.0245	60	0.00	0.00	0.00	0.000
361	P071LLZ	123	J-272	J-273	100.0	mPVC	100.0	-0.0235	0.0139	60	0.00	0.00	0.00	0.000

	P-1	88	S-016	A-01	100.0	mPVC	100.0	-0.0214	-0.0060	35	0.00	0.00	0.00	0.000
486	P205HLZ	117	S-054	S-039	100.0	mPVC	100.0	0.0239	0.0239	57	0.00	0.00	0.00	0.000
718	P079LLZ	120	J-276	J-277	100.0	mPVC	100.0	-0.0236	-0.0057	60	0.00	0.00	0.00	0.000
1270	P167HLZ(2)(2)	74	J-149	S-036	100.0	mPVC	100.0	-0.0208	-0.0048	52	0.00	0.00	0.00	0.000
498	P193HLZ	125	S-047	S-032	100.0	mPVC	100.0	0.0216	0.0216	54	0.00	0.00	0.00	0.000
1279	P161HLZ(2)	108	J-151	S-034	100.0	mPVC	100.0	0.0196	0.0196	46	0.00	0.00	0.00	0.000
890	P318HLZ(1)(1)	60	B-022	J-25	150.0	mPVC	100.0	-0.0533	-0.0365	56	0.08	0.00	0.00	0.000
483	P208HLZ	195	S-041	S-040	100.0	mPVC	100.0	0.0181	0.0181	56	0.00	0.00	0.00	0.000
1407	P261HLZ(2)	72	P9 Low Point	B-066	100.0	mPVC	100.0	0.0139	0.0139	61	0.00	0.00	0.00	0.000
1298	P-145	37	J-158	B-054	100.0	mPVC	100.0	-0.0240	-0.0070	35	0.00	0.00	0.00	0.000
876	P-21	75	B-039a	J-20	150.0	mPVC	100.0	-0.0492	0.0369	41	0.00	0.00	0.00	0.000
1157	P-81	142	L-022	L-024	100.0	mPVC	100.0	0.0138	0.4850	64	0.06	0.00	0.00	0.000
852	P186HLZ(1)	49	S-030	J-12	100.0	mPVC	100.0	-0.0141	-0.0050	57	0.00	0.00	0.00	0.000
646	P313HLZ	108	B-031a	B-038a	150.0	mPVC	100.0	-0.0403	-0.0211	48	0.03	0.00	0.00	0.000
1011	P-48	169	J-61	J-62	100.0	mPVC	100.0	0.0107	0.4824	41	0.06	0.00	0.00	0.000
657	P302HLZ	96	B-065	B-064a	100.0	mPVC	100.0	-0.0090	-0.0077	58	0.06	0.00	0.00	0.000
414	P262HLZ	122	B-042	B-041	250.0	mPVC	110.0	-0.1018	-0.0295	44	0.00	0.00	0.00	0.000
354	PRV-2-A	2	823-A	PRV-2	250.0	mPVC	110.0	0.0000	0.0000	39	0.00	0.00	0.00	0.000
355	PRV-2-B	3	PRV-2	823-B	250.0	mPVC	110.0	0.0000	0.0000	38	0.00	0.00	0.00	0.000
382	P281HLZ	39	823-B	B-079	250.0	mPVC	110.0	0.0000	0.0000	38	0.00	0.00	0.00	0.000
383	P280HLZ	154	B-079	B-042	250.0	mPVC	110.0	-0.0399	-0.0115	39	0.00	0.00	0.00	0.000
384	P279HLZ	87	TeviotRdConnection1	823-A	250.0	mPVC	110.0	0.0060	0.0060	0	0.00	0.00	0.00	0.000
385	P366LLZIRRI	15	L-SCHOOL	I-SCHOOL	150.0	mPVC	100.0	0.0000	5.4000	64	0.31	0.00	0.00	0.000
410	P264HLZ	34	B-039	B-040	150.0	mPVC	100.0	0.0200	0.0200	38	0.00	0.00	0.00	0.000
500	P191HLZ	37	S-003	B-066	100.0	mPVC	100.0	0.0000	0.0000	60	0.00	0.00	0.00	0.000
556	P027LLZ	119	L-042	L-044	100.0	mPVC	100.0	-0.0053	0.0708	59	0.01	0.00	0.00	0.000
642	P317HLZ	65	B-031b	B-028a	150.0	mPVC	100.0	0.0001	0.7874	49	0.04	0.00	0.00	0.000
661	P123LLZ	4	T-1005	L-SPORT&RECCLUBHOUSE	150.0	mPVC	100.0	0.0840	10.8880	62	0.62	0.00	0.00	0.000
827	P-2	26	A-01	J-2	100.0	mPVC	100.0	0.0000	0.0000	37	0.00	0.00	0.00	0.000
829	P-3	27	J-3	S-016	100.0	mPVC	100.0	0.0000	0.0000	35	0.00	0.00	0.00	0.000
831	P-4	41	S-017	J-4	100.0	mPVC	100.0	0.0000	0.0000	39	0.00	0.00	0.00	0.000
833	P-5	137	S-120	J-5	100.0	mPVC	100.0	0.0000	0.0000	39	0.00	0.00	0.00	0.000
948	P222HLZ(1)(1)	10	B-017	J-44	100.0	mPVC	100.0	0.0028	0.2929	45	0.04	0.00	0.00	0.000
1054	P-59	12	J-17	J-76	150.0	mPVC	100.0	-0.0534	0.3878	54	0.02	0.00	0.00	0.000
1146	P-76	189	I-SPORT&RECPARK	J-101	200.0	mPVC	120.0	0.0000	0.0000	69	0.34	0.00	0.00	0.000
1154	P144LLZ(1)	90	L-033	J-103	100.0	mPVC	100.0	-0.0085	-0.0072	60	0.04	0.00	0.00	0.000
1305	P-149	62	S-019	J-161	100.0	mPVC	100.0	0.0000	0.0000	41	0.00	0.00	0.00	0.000
1329	P-157	18	J-1	J-AFL maintenance shed	150.0	mPVC	100.0	0.0000	0.0000	62	0.00	0.00	0.00	0.000
1368	P-166	20	J-180	J-181	100.0	mPVC	100.0	0.0000	0.0000	58	0.00	0.00	0.00	0.000
1375	P-168	4	J-184	J-Primary School	200.0	mPVC	110.0	0.0000	0.0000	65	0.00	0.00	0.00	0.000
1406	P261HLZ(1)	29	B-065	P9 Low Point	100.0	mPVC	100.0	0.0139	0.0139	58	0.00	0.00	0.00	0.000
1467	P-189	13	J-High School	I-High School	150.0	mPVC	100.0	0.0000	7.2400	63	0.41	0.00	0.00	0.000
1499	P-202	6	L-SPORT&RECCLUBHOUSE	I-Sport and Rec Irrigation Node	150.0	Ductile Iron	100.0	0.0000	10.8000	59	0.61	0.00	0.00	0.000
401	P271HLZ	27	B-005	B-006	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
402	P270HLZ	33	B-004	B-005	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
468	P220HLZ	152	B-012	B-014	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
470	P218HLZ	206	B-011	B-006	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
471	P217HLZ	100	B-007	B-011	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
472	P216HLZ	102	B-006	B-007	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
473	P215HLZ	34	B-004	B-010	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
474	P214HLZ	26	B-003	B-004	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
475	P213HLZ	118	B-009	B-003	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
476	P212HLZ	262	B-002	B-009	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
477	P211HLZ	77	B-002	B-003	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
544	P039LLZ	174	L-ECO-002	L-ECO-003	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
545	P038LLZ	133	L-041	L-013	250.0	mPVC	110.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
548	P035LLZ	50	L-002	L-003	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
550	P033LLZ	310	RoundMt	L-001	250.0	mPVC	110.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
551	P032LLZ	125	L-035	L-036	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
553	P030LLZ	227	L-009	L-010	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
554	P029LLZ	126	L-004	L-009	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
571	P012LLZ	80	L-039	L-037	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
574	P009LLZ	75	L-036	L-038	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
575	P008LLZ	79	L-012	L-007	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
576	P007LLZ	61	L-006	L-008	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
580	P003LLZ	76	L-005	L-006	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
584	P351HLZ	43	S-033	B-075	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
601	P336HLZ	41	B-066	B-067	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
608	P139LLZ	179	L-040a	L-040	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
610	P137LLZ	64	L-034a	L-035	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
611	P136LLZ	150	L-034	L-034a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
612	P335HLZ	105	B-016a	B-016	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
613	P334HLZ	114	B-013	B-016a	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
614	P333HLZ	129	B-014a	B-015	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
615	P332HLZ	75	B-014	B-014a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)

624	P135LLZ	83	L-ECO-008	L-ECO-006	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
624	P133LLZ	68	L-ECO-006	L-ECO_007	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
627	P130LLZ	259	L-ECO-006	L-ECO-002	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
628	P129LLZ	97	L-ECO-001	L-ECO-005	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
629	P128LLZ	178	L-ECO-005	L-ECO-004	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
630	P127LLZ	103	L-010a	L-ECO-005	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
631	P126LLZ	95	L-010a	L-012	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
633	P124LLZ	128	L-005	L-007	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
668	P119LLZ	81	L-035a	L-045	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
672	P116LLZ	224	L-008a	L-008	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
894	P-25	63	B-014a	J-26	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
896	P221HLZ(1)	74	B-012	J-27	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
897	P221HLZ(2)	44	J-27	B-013	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
898	P-26	88	J-26	J-27	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
900	P-27	149	J-28	J-26	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
905	P-30	116	J-28	B-016a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
907	P138LLZ(1)	33	L-038	J-31	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
909	P-31	240	L-034a	J-31	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
911	P118LLZ(1)	3	L-035a	J-32	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
912	P118LLZ(2)	181	J-32	L-035	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
914	P011LLZ(1)	36	L-036	J-33	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
915	P011LLZ(2)	88	J-33	L-037	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
916	P-32	152	J-32	J-33	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
919	P117LLZ(1)	113	L-037	J-35	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
920	P117LLZ(2)	74	J-35	L-035a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
921	P-33	44	J-35	J-34	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
923	P013LLZ(1)	30	L-038	J-36	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
924	P013LLZ(2)	126	J-36	L-039	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
926	P138LLZ(2)(1)	192	J-31	J-37	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
927	P138LLZ(2)(2)	8	J-37	L-040a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
930	P-34(1)	75	J-36	J-38	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
931	P-34(2)	71	J-38	J-37	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
933	P010LLZ(1)	62	L-040	J-39	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
934	P010LLZ(2)	81	J-39	L-039	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
935	P-35	162	J-38	J-39	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
944	P294HLZ(1)	111	B-015	J-43	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1065	P006LLZ(1)	15	L-008	J-79	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1069	P131LLZ(2)	131	J-80	L-ECO_007	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1072	P132LLZ(2)	82	J-81	L-ECO-002	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1074	P132LLZ(1)(1)	72	L-ECO_007	J-82	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1075	P132LLZ(1)(2)	77	J-82	J-81	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1078	P040LLZ(2)	101	J-83	L-ECO-004	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1079	P-63	163	J-83	J-82	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1081	P040LLZ(1)(1)	19	L-ECO-003	J-84	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1082	P040LLZ(1)(2)	82	J-84	J-83	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1083	P-64	136	J-84	J-81	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1085	P134LLZ(1)	78	L-008a	J-85	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1086	P134LLZ(2)	92	J-85	L-ECO-008	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1088	P131LLZ(1)(1)	108	L-ECO-001	J-86	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1089	P131LLZ(1)(2)	64	J-86	J-80	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1090	P-65	166	J-86	L-ECO-008	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1091	P-66	170	L-ECO-001	J-85	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1093	P115LLZ(1)	71	L-007	J-87	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1094	P115LLZ(2)	67	J-87	L-008a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1095	P-67	183	L-006	J-87	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1098	P031LLZ(2)	105	J-88	L-012	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1100	P031LLZ(1)(1)	76	L-009	J-89	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1101	P031LLZ(1)(2)	122	J-89	J-88	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1103	P125LLZ(1)	74	L-010	J-90	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1104	P125LLZ(2)	93	J-90	L-010a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1105	P-68	76	J-89	J-90	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1108	P004LLZ(2)	39	J-91	L-005	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1109	P-69	76	J-88	J-91	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1111	P004LLZ(1)(1)	51	L-004	J-92	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1112	P004LLZ(1)(2)	25	J-92	J-91	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1114	P006LLZ(2)(1)	64	J-79	J-93	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1118	P006LLZ(2)(2)(1)	3	J-93	J-94	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1119	P006LLZ(2)(2)(2)	150	J-94	L-003	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1121	P037LLZ(1)	7	L-045	J-95	250.0	mPVC	110.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1122	P037LLZ(2)	145	J-95	L-041	250.0	mPVC	110.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1123	P-71	64	J-94	J-95	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1128	P-70(1)	77	J-92	J-97	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1129	P-70(2)	75	J-97	J-93	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1130	P-72	122	J-96	J-97	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1132	P005LLZ(1)(1)	58	L-003	J-98	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)

1134	P005LLZ(1)(2)	54	J-98	J-96	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1139	P-73	28	J-98	B-010	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1140	P028LLZ(1)	24	L-002	J-100	250.0	mPVC	110.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1141	P028LLZ(2)	126	J-100	L-045	250.0	mPVC	110.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1142	P-74	100	L-001	L-002	250.0	mPVC	110.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1300	P-75	42	L-034	J-100	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1301	P-146	29	J-159	J-28	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1414	P-147	58	L-ECO-004	J-80	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1415	P-176	32	B-008	L-004	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1417	P-177	56	J-96	B-008	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1418	P296HLZ(1)	12	B-012	J-196	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1508	P296HLZ(2)	79	J-196	B-002	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1509	P219HLZ(1)	61	B-007	J-221	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1551	P219HLZ(2)	28	J-221	B-008	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1552	P-142(1)	28	B-068a	J-227	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1554	P-142(2)	36	J-227	S-044a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1555	P-143(1)	25	B-068b	J-228	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1557	P-143(2)	40	J-228	S-046	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1558	P-153(1)	22	J-164	J-229	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1558	P-153(2)	37	J-229	S-047	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)

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Scenario: Teviot Road Connection Fire Fighting Flow
Current Time Step: 15.500 h
FlexTable: Pipe Table

ID	Label	Length (Scaled) (m)	Start Node	Stop Node	Diameter (mm)	Material	Hazen- Williams C	Flow (L/s)	Flow (Maximum) (L/s)	Pressure (Start) (m H2O)	Velocity (Maximum) (m/s)	Headloss (m)	Velocity (m/s)	Headloss Gradient (m/km)
569	P014LLZ	67	L-013	L-018	100.0	mPVC	100.0	9.8264	9.8264	62	1.25	2.02	1.25	29.988
714	P083LLZ	257	L-018	L-1085	100.0	mPVC	100.0	9.7963	9.7963	61	1.25	7.65	1.25	29.818
1148	P084LLZ(1)	47	L-1085	P14 - Low Point	100.0	mPVC	100.0	9.7435	9.7435	57	1.24	1.40	1.24	29.521
1526	P-210(1)(1)	140	L-027	PRV-8	100.0	mPVC	100.0	-8.9748	-1.0098	60	1.14	3.56	1.14	25.354
706	P091LLZ	117	L-027	L-027a	100.0	mPVC	100.0	8.9748	8.9748	60	1.14	2.98	1.14	25.354
1527	P-210(1)(2)	7	PRV-8	J-223	100.0	mPVC	100.0	-8.9748	-1.0098	71	1.14	0.17	1.14	25.353
1442	P-77(1)	53	L-027a	J-205	100.0	mPVC	100.0	6.4894	6.4943	59	0.83	0.73	0.83	13.907
1443	P-77(2)	124	J-205	L-019	100.0	mPVC	100.0	6.4894	6.4943	58	0.83	1.73	0.83	13.907
1549	P084LLZ(2)(2)	84	P-14 DemandB	L-019	100.0	mPVC	100.0	-6.4592	0.4215	57	0.82	1.16	0.82	13.788
1548	P084LLZ(2)(1)	106	P14 - Low Point	P-14 DemandB	100.0	mPVC	100.0	-5.3745	1.8574	56	0.71	1.04	0.68	9.809
1410	P-43(2)	81	J-194	B-082	100.0	mPVC	100.0	4.9892	6.8206	36	0.87	0.70	0.64	8.546
1309	P-152	10	J-56	J-74	200.0	mPVC	110.0	-29.9904	-7.2001	36	1.31	0.07	0.95	6.784
1353	P-49(2)	106	J-177	J-56	200.0	mPVC	110.0	-24.9593	-5.9736	41	1.09	0.51	0.79	4.828
1352	P-49(1)	52	B-077	J-177	200.0	mPVC	110.0	-24.8857	-5.9397	42	1.09	0.25	0.79	4.801
973	P367LLZIRIRIG(1)(1)(2)	5	J-51	J-49	150.0	mPVC	100.0	10.0704	17.2836	58	0.98	0.02	0.57	4.355
725	P367LLZIRIRIG(2)	128	J-1	T-1005	200.0	mPVC	110.0	21.0401	37.0733	60	1.18	0.45	0.67	3.518
1512	P-207	177	J-49	J-1	200.0	mPVC	110.0	21.0401	37.0733	58	1.18	0.62	0.67	3.518
1374	P122LLZ(2)	19	J-184	T-1010	200.0	mPVC	110.0	20.9081	26.2072	61	0.83	0.07	0.67	3.478
1373	P122LLZ(1)	294	T-1005	J-184	200.0	mPVC	110.0	20.9081	26.2073	59	0.83	1.02	0.67	3.478
583	P148HLZ	81	B-041	B-043	200.0	mPVC	110.0	-20.8531	-4.3956	49	0.99	0.28	0.66	3.461
596	P341HLZ	29	1227-B	S-055	250.0	mPVC	110.0	36.9223	44.4256	27	0.91	0.10	0.75	3.363
597	P340HLZ	116	TeviotRoadConnection2	1227-A	250.0	mPVC	110.0	36.9223	44.4256	0	0.91	0.39	0.75	3.362
351	PRV-3-A	6	1227-A	PRV-3	250.0	mPVC	110.0	36.9223	44.4256	27	0.91	0.02	0.75	3.362
352	PRV-3-B	7	PRV-3	1227-B	250.0	mPVC	110.0	36.9223	44.4256	27	0.91	0.02	0.75	3.362
1337	P337HLZ(2)(2)	175	J-173	S-055	250.0	mPVC	110.0	-36.4587	-10.1886	35	0.90	0.58	0.74	3.284
1336	P337HLZ(2)(1)	175	J-74	J-173	250.0	mPVC	110.0	-36.4587	-10.1886	36	0.90	0.58	0.74	3.284
1024	P-52	87	J-67	B-077	150.0	mPVC	100.0	-8.5377	-2.0717	45	0.66	0.28	0.48	3.207
1524	P-211	64	T-1010	L-014	200.0	mPVC	110.0	19.9733	19.9733	61	0.64	0.20	0.64	3.195
376	P286HLZ	66	B-082	B-080	100.0	mPVC	100.0	2.8733	3.9347	32	0.50	0.20	0.37	3.076
1023	P-51	42	B-055b	J-67	100.0	mPVC	100.0	-2.7306	-0.6106	45	0.50	0.12	0.35	2.799
975	P291HLZ(1)	4	B-058a	J-52	100.0	mPVC	100.0	2.5863	4.6513	56	0.59	0.01	0.33	2.531
707	P090LLZ	31	L-027a	L-028	100.0	mPVC	100.0	2.4854	3.2834	59	0.42	0.07	0.32	2.351
992	P-44	27	J-57	B-037	150.0	mPVC	100.0	7.0935	9.7490	48	0.55	0.06	0.40	2.276
390	P277HLZ	62	B-051	B-077	200.0	mPVC	110.0	-16.3060	-3.8486	42	0.72	0.14	0.52	2.194
439	P249HLZ	107	B-051	B-046	200.0	mPVC	110.0	16.2793	23.1629	42	0.74	0.23	0.52	2.188
976	P291HLZ(2)	59	J-52	B-058	100.0	mPVC	100.0	-2.3633	-0.5324	55	0.44	0.13	0.30	2.142
1403	P244HLZ(2)(2)	2	J-192	B-043	200.0	mPVC	110.0	15.3236	22.8995	50	0.73	0.00	0.49	1.957
442	P246HLZ	58	B-048	B-050	100.0	mPVC	100.0	-2.0970	-0.4619	44	0.39	0.10	0.27	1.716
1034	P244HLZ(1)	33	B-046	J-70	200.0	mPVC	110.0	14.2470	20.5874	46	0.66	0.06	0.45	1.709
1025	P-53	57	J-67	J-66	150.0	mPVC	100.0	5.7546	7.6061	45	0.43	0.09	0.33	1.545
1402	P244HLZ(2)(1)	80	J-70	J-192	200.0	mPVC	110.0	13.4830	19.7173	47	0.63	0.12	0.43	1.543
1427	P285HLZ(2)	129	J-199	B-082	100.0	mPVC	100.0	-1.9794	-0.4503	39	0.36	0.20	0.25	1.542
437	P251HLZ	109	B-064	B-061	100.0	mPVC	100.0	-1.9206	-0.4580	47	0.32	0.16	0.24	1.459
449	P239HLZ	63	B-043	B-044	150.0	mPVC	100.0	-5.5341	-1.1647	50	0.47	0.09	0.31	1.437
1038	P326HLZ(1)	24	B-049	J-71	100.0	mPVC	100.0	-1.8933	-0.3832	38	0.37	0.03	0.24	1.420
677	P292HLZ	227	B-059	B-058a	100.0	mPVC	100.0	1.8106	2.6603	45	0.34	0.30	0.23	1.308
972	P367LLZIRIRIG(1)(1)(1)	91	T-1001	J-51	150.0	mPVC	100.0	5.1943	9.2115	57	0.52	0.12	0.29	1.278
441	P247HLZ	88	B-050	B-052	100.0	mPVC	100.0	-1.7330	-0.4391	41	0.29	0.11	0.22	1.206
1340	P282HLZ(1)	37	B-080	J-174	100.0	mPVC	100.0	1.7226	2.3134	31	0.29	0.04	0.22	1.193
997	P-46	27	B-041	J-57	250.0	mPVC	110.0	20.7607	31.1333	49	0.63	0.03	0.42	1.157
1366	P-40(2)(2)(1)	68	J-168	J-181	150.0	mPVC	100.0	-4.8761	-0.8286	56	0.46	0.08	0.28	1.137
1320	P-40(1)	139	J-166	J-51	150.0	mPVC	100.0	4.8761	8.0721	56	0.46	0.16	0.28	1.137
1333	P-40(2)(1)(1)	70	J-166	J-AFL Club House	150.0	mPVC	100.0	-4.8761	-0.8286	56	0.46	0.08	0.28	1.137
1367	P-40(2)(2)(2)	65	J-181	J-52	150.0	mPVC	100.0	-4.8761	-0.8286	56	0.46	0.07	0.28	1.137
1334	P-40(2)(1)(2)	54	J-AFL Club House	J-168	150.0	mPVC	100.0	-4.8761	-0.8286	56	0.46	0.06	0.28	1.137
617	P330HLZ	80	B-055	B-055a	100.0	mPVC	100.0	-1.6532	-0.3570	51	0.31	0.09	0.21	1.105
1341	P282HLZ(2)	41	J-174	B-053	100.0	mPVC	100.0	1.6368	2.2736	31	0.29	0.04	0.21	1.085
1030	P293HLZ(1)	94	B-055b	J-69	100.0	mPVC	100.0	1.6187	2.2774	45	0.29	0.10	0.21	1.063
1020	P-50(1)	13	J-65	J-66	150.0	mPVC	100.0	-4.6914	-1.1451	46	0.36	0.01	0.27	1.058
1529	P042LLZ(2)(1)	145	J-101	PRV-9	200.0	mPVC	110.0	-10.9910	-1.2695	60	0.37	0.15	0.35	1.057
1530	P042LLZ(2)(2)	54	PRV-9	L-014	200.0	mPVC	110.0	-10.9910	-1.2695	61	0.37	0.06	0.35	1.057
446	P242HLZ	41	B-048	B-047	100.0	mPVC	100.0	1.6131	2.4989	44	0.32	0.04	0.21	1.056
970	P-39	110	J-50	J-49	200.0	mPVC	110.0	10.9698	19.7897	58	0.63	0.12	0.35	1.053
1017	P254HLZ(2)	231	J-65	B-058	100.0	mPVC	100.0	1.4772	2.1731	46	0.28	0.21	0.19	0.897

1178	P-88	64	L-028	L-021	100.0	mPVC	100.0	1.4512	1.9178	59	0.24	0.06	0.18	0.868
1259	P342HLZ(1)	50	S-004	J-146	100.0	mPVC	100.0	1.4168	1.8706	36	0.24	0.04	0.18	0.830
453	P235HLZ	60	B-037	B-036	150.0	mPVC	100.0	3.9310	5.5174	47	0.31	0.05	0.22	0.763
1523	P-210(2)	13	J-223	L-014	200.0	mPVC	110.0	-8.9748	-1.0098	61	0.29	0.01	0.29	0.726
1010	P243HLZ(2)	79	J-62	B-044	150.0	mPVC	100.0	3.7710	5.5029	47	0.31	0.06	0.21	0.706
1007	P-47(2)	69	J-61	J-60	100.0	mPVC	100.0	-1.2569	-0.2534	40	0.24	0.05	0.16	0.665
1009	P243HLZ(1)	35	B-047	J-62	150.0	mPVC	100.0	3.5953	5.0509	46	0.29	0.02	0.20	0.646
1040	P-56	93	J-71	B-081	100.0	mPVC	100.0	-1.1557	-0.2704	37	0.21	0.05	0.15	0.569
432	P256LLZ	102	B-059	B-061	100.0	mPVC	100.0	1.1516	1.3913	45	0.18	0.06	0.15	0.566
534	P157HLZ	45	S-027	S-026	100.0	mPVC	100.0	-1.1441	-0.4313	53	0.19	0.03	0.15	0.559
988	P-42	192	J-55	B-080	100.0	mPVC	100.0	-1.1296	-0.2570	42	0.21	0.10	0.14	0.546
996	P-45	30	J-57	J-58	250.0	mPVC	110.0	13.6596	21.3807	48	0.44	0.02	0.28	0.533
995	P263HLZ(2)	57	J-58	B-035	250.0	mPVC	110.0	13.6520	21.3772	49	0.44	0.03	0.28	0.533
1316	P267HLZ(1)	136	B-035	J-165	250.0	mPVC	110.0	13.5914	21.3488	50	0.43	0.07	0.28	0.528
1317	P267HLZ(2)	18	J-165	B-034	250.0	mPVC	110.0	13.5535	21.3311	52	0.43	0.01	0.28	0.525
405	P268HLZ	69	B-034	B-033	250.0	mPVC	110.0	13.5232	21.3170	53	0.43	0.04	0.28	0.523
667	P297HLZ	39	B-033	T-1001	250.0	mPVC	110.0	13.5005	21.3063	55	0.43	0.02	0.28	0.522
1424	P153HLZ(1)(2)	38	J-198	J-6	100.0	mPVC	100.0	1.0847	1.4333	35	0.18	0.02	0.14	0.506
1016	P254HLZ(1)	55	B-059	J-65	150.0	mPVC	100.0	-3.1408	-0.7862	45	0.23	0.03	0.18	0.503
879	P236HLZ(2)	83	J-21	B-037	150.0	mPVC	100.0	-3.1322	-0.7491	45	0.24	0.04	0.18	0.501
616	P331HLZ	111	B-055a	B-055b	100.0	mPVC	100.0	-1.0384	-0.2069	47	0.21	0.05	0.13	0.467
1046	P248HLZ(2)	120	J-73	B-053	100.0	mPVC	100.0	-1.0335	-0.2514	33	0.18	0.06	0.13	0.463
561	P022LLZ	79	L-028	L-031	100.0	mPVC	100.0	1.0267	1.3556	59	0.17	0.04	0.13	0.457
1295	P329HLZ(2)	63	J-157	B-049	100.0	mPVC	100.0	-1.0036	-0.2169	35	0.19	0.03	0.13	0.439
1021	P-50(2)	153	J-66	B-060	100.0	mPVC	100.0	1.0001	1.2358	46	0.16	0.07	0.13	0.436
540	P151HLZ	58	S-006	S-007	100.0	mPVC	100.0	0.9920	1.3103	37	0.17	0.03	0.13	0.429
374	P058LLZ	38	L-1000	L-021	100.0	mPVC	100.0	-0.9862	-0.3673	57	0.17	0.02	0.13	0.424
431	P257LLZ	120	B-058	B-056	100.0	mPVC	100.0	-0.9807	-0.2512	53	0.17	0.05	0.12	0.420
532	P159HLZ	21	S-007	S-008	100.0	mPVC	100.0	0.9696	1.2806	39	0.16	0.01	0.12	0.412
1294	P329HLZ(1)	148	B-045a	J-157	100.0	mPVC	100.0	-0.9535	-0.1935	38	0.18	0.06	0.12	0.399
1049	P337HLZ(1)	25	S-100	J-74	200.0	mPVC	110.0	-6.4683	-2.4323	36	0.27	0.01	0.21	0.396
599	P338HLZ	21	S-001	S-100	200.0	mPVC	110.0	-6.4578	-2.4283	37	0.27	0.01	0.21	0.395
1006	P-47(1)	83	J-59	J-61	100.0	mPVC	100.0	-0.9400	-0.2070	41	0.18	0.03	0.12	0.388
433	P255HLZ	89	B-061	B-060	100.0	mPVC	100.0	-0.9161	-0.2237	42	0.15	0.03	0.12	0.370
461	P227HLZ	62	B-026	B-025	150.0	mPVC	100.0	-2.6496	0.0552	58	0.31	0.02	0.15	0.367
1260	P342HLZ(2)	77	J-146	S-105	100.0	mPVC	100.0	0.9050	1.1949	38	0.15	0.03	0.12	0.362
1505	P-205	53	P14 Demand A	J-101	250.0	mPVC	110.0	-10.9608	-0.4893	61	0.22	0.02	0.22	0.355
969	P275HLZ(2)(2)(2)	27	B-026	J-50	250.0	mPVC	110.0	10.9180	17.4931	58	0.36	0.01	0.22	0.352
1002	P241HLZ(1)	39	B-049	J-60	100.0	mPVC	100.0	0.8851	1.4009	38	0.18	0.01	0.11	0.348
503	P188HLZ	363	S-001	S-002	100.0	mPVC	100.0	0.8519	1.1248	37	0.14	0.12	0.11	0.324
983	P303HLZ(2)	139	J-54	B-064	100.0	mPVC	100.0	-0.8465	-0.1742	53	0.15	0.04	0.11	0.320
435	P253HLZ	126	B-063	B-064	100.0	mPVC	100.0	-0.8430	-0.1769	52	0.16	0.04	0.11	0.317
520	P171HLZ	91	S-004	S-001	200.0	mPVC	110.0	-5.5773	-2.0968	36	0.23	0.03	0.18	0.301
679	P290HLZ	75	B-062	B-058a	100.0	mPVC	100.0	0.8177	2.0290	57	0.26	0.02	0.10	0.300
1349	P149HLZ(2)	102	S-005	J-176	150.0	mPVC	100.0	2.3435	3.0941	35	0.18	0.03	0.13	0.293
480	P041LLZ	231	L-013	P14 Demand A	250.0	mPVC	110.0	-9.8490	-0.0796	62	0.20	0.07	0.20	0.291
1348	P149HLZ(1)	31	J-176	S-006	150.0	mPVC	100.0	2.3209	3.0642	37	0.17	0.01	0.13	0.287
660	P299HLZ	88	B-021	B-021a	100.0	mPVC	100.0	0.7948	1.2604	52	0.16	0.03	0.10	0.285
1032	P-54	134	J-68	J-69	100.0	mPVC	100.0	-0.7669	-0.1372	54	0.15	0.04	0.10	0.266
653	P306HLZ	47	S-008	S-008a	100.0	mPVC	100.0	0.7559	0.9980	40	0.13	0.01	0.10	0.259
651	P308HLZ	117	B-036	B-036a	150.0	mPVC	100.0	2.1826	3.4037	45	0.19	0.03	0.12	0.256
1042	P326HLZ(2)(1)	39	J-71	J-72	100.0	mPVC	100.0	-0.7512	-0.1192	37	0.16	0.01	0.10	0.256
1031	P293HLZ(2)	28	J-69	B-057	100.0	mPVC	100.0	0.7468	1.0202	48	0.13	0.01	0.10	0.254
1409	P-43(1)	8	J-56	J-194	200.0	mPVC	110.0	5.0312	6.8400	36	0.22	0.00	0.16	0.249
1036	P-55	80	B-055a	J-70	100.0	mPVC	100.0	-0.7322	-0.2045	47	0.11	0.02	0.09	0.244
516	P175HLZ	59	S-028	S-027	100.0	mPVC	100.0	-0.7198	-0.2721	54	0.12	0.01	0.09	0.237
1276	P-137	26	J-11	S-035	100.0	mPVC	100.0	0.7165	0.9461	49	0.12	0.01	0.09	0.235
1385	P195HLZ(1)	81	S-043	J-188	100.0	mPVC	100.0	0.6969	0.9198	54	0.12	0.02	0.09	0.223
443	P245HLZ	63	B-047	B-046	150.0	mPVC	100.0	-2.0095	-0.5375	46	0.15	0.01	0.11	0.220
1152	P-79	61	L-033	B-071a	100.0	mPVC	100.0	0.6787	0.8971	50	0.11	0.01	0.09	0.212
502	P189HLZ	85	S-042	S-002	100.0	mPVC	100.0	-0.6776	-0.2550	49	0.11	0.02	0.09	0.212
666	P298HLZ	52	T-1001	B-026	250.0	mPVC	110.0	8.2835	12.0842	57	0.25	0.01	0.17	0.211
644	P315HLZ	57	B-028a	B-028	150.0	mPVC	100.0	1.9533	2.8258	48	0.16	0.01	0.11	0.209
986	P284HLZ(1)	75	B-081	J-55	100.0	mPVC	100.0	-0.6662	-0.1881	39	0.10	0.02	0.08	0.205
517	P174HLZ	32	S-023	S-022	150.0	mPVC	100.0	-1.9244	-0.7242	49	0.14	0.01	0.11	0.203
638	P321HLZ	80	B-025a	B-025	150.0	mPVC	100.0	1.8851	3.4407	56	0.19	0.02	0.11	0.196
429	P259HLZ	184	B-057	B-056	100.0	mPVC	100.0	0.6418	0.9717	48	0.12	0.04	0.08	0.192
1404	P-175	80	J-192	B-055	150.0	mPVC	100.0	-1.8634	-0.2777	50	0.18	0.02	0.11	0.191
1426	P285HLZ(1)	13	B-052	J-199	150.0	mPVC	100.0	-1.8533	-0.3920	40	0.16	0.00	0.10	0.189
462	P226HLZ	142	B-024	B-021	100.0	mPVC	100.0	-0.6327	-0.0759	56	0.14	0.03	0.08	0.187
999	P240HLZ(1)	164	B-044	J-59	100.0	mPVC	100.0	-1.7904	-0.3521	49	0.16	0.03	0.10	0.178
1057	P322HLZ(2)	29	J-77	B-023a	150.0	mPVC	100.0	1.7855	3.1258	53	0.18	0.01	0.10	0.177
1386	P195HLZ(2)	67	J-188	S-044	100.0	mPVC	100.0	0.6139	0.8103	55	0.10	0.01	0.08	0.176
1345	P170HLZ(2)	18	J-175	S-004	200.0	mPVC	110.0	-4.1379	-1.5545	36	0.17	0.00	0.13	0.173
1344	P170HLZ(1)	79	S-005	J-175	200.0	mPVC	110.0	-4.1228	-1.5488	35	0.17	0.01	0.13	0.172

	P345HLZ	108	S-021	S-115	150.0	mPVC	100.0	-1.7452	-0.6573	47	0.13	0.02	0.10	0.170
886	P323HLZ(1)	34	B-023a	J-24	150.0	mPVC	100.0	1.7346	2.9259	53	0.17	0.01	0.10	0.168
887	P323HLZ(2)	47	J-24	B-023	150.0	mPVC	100.0	1.7318	3.0602	53	0.17	0.01	0.10	0.167
878	P236HLZ(1)	81	B-038	J-21	150.0	mPVC	100.0	-1.7280	-0.4180	41	0.13	0.01	0.10	0.166
403	P269HLZ	56	B-028	B-027	150.0	mPVC	100.0	1.7200	2.7914	51	0.16	0.01	0.10	0.165
399	P272HLZ	26	S-005	S-053	150.0	mPVC	100.0	1.7113	2.2619	35	0.13	0.00	0.10	0.164
398	P273HLZ	44	S-053	S-014	150.0	mPVC	100.0	1.7113	2.2619	35	0.13	0.01	0.10	0.163
1062	P-61	81	J-17	J-78	100.0	mPVC	100.0	-0.5884	-0.0879	52	0.12	0.01	0.07	0.163
1262	P346HLZ(1)	84	S-115	J-147	150.0	mPVC	100.0	-1.6975	-0.6401	42	0.13	0.01	0.10	0.161
1459	P163HLZ(2)	21	J-211	S-011	100.0	mPVC	100.0	0.5838	0.7707	45	0.10	0.00	0.07	0.161
1458	P163HLZ(1)	47	S-010	J-211	100.0	mPVC	100.0	0.5838	0.7707	44	0.10	0.01	0.07	0.161
1056	P322HLZ(1)	53	B-027	J-77	150.0	mPVC	100.0	1.6897	2.7773	53	0.16	0.01	0.10	0.160
379	P283HLZ	203	B-053	B-081	100.0	mPVC	100.0	0.5806	0.8616	32	0.11	0.03	0.07	0.159
645	P314HLZ	68	B-036	B-028a	150.0	mPVC	100.0	1.6726	2.0783	45	0.12	0.01	0.09	0.157
836	P153HLZ(2)	75	J-6	S-020	100.0	mPVC	100.0	0.5756	0.7605	35	0.10	0.01	0.07	0.157
594	P343HLZ	112	S-105	S-004a	100.0	mPVC	100.0	0.5708	0.7536	41	0.10	0.02	0.07	0.154
527	P164HLZ	138	S-011	S-012	100.0	mPVC	100.0	0.5709	0.7537	45	0.10	0.02	0.07	0.154
639	P320HLZ	127	B-036a	B-025a	150.0	mPVC	100.0	1.6426	2.7367	47	0.15	0.02	0.09	0.152
680	P289HLZ	152	S-042	S-043	100.0	mPVC	100.0	0.5642	0.7447	49	0.09	0.02	0.07	0.151
519	P172HLZ	50	S-022	S-021	150.0	mPVC	100.0	-1.6326	-0.6149	49	0.12	0.01	0.09	0.150
1447	P-83(1)	45	L-1000	J-207	100.0	mPVC	100.0	0.5560	0.7352	57	0.09	0.01	0.07	0.147
1448	P-83(2)	39	J-207	J-109	100.0	mPVC	100.0	0.5560	0.7352	57	0.09	0.01	0.07	0.147
1420	P-24(1)	138	B-018a	J-197	100.0	mPVC	100.0	-0.5518	-0.1486	45	0.10	0.02	0.07	0.145
436	P252HLZ	125	B-062	B-063	100.0	mPVC	100.0	-0.5489	-0.0386	57	0.14	0.02	0.07	0.143
1151	P-78	62	L-031	L-1055	100.0	mPVC	100.0	0.5433	0.7176	56	0.09	0.01	0.07	0.141
512	P179HLZ	65	S-029	S-028	100.0	mPVC	100.0	-0.5412	-0.2039	55	0.09	0.01	0.07	0.140
1047	P-57	146	J-72	J-73	100.0	mPVC	100.0	-0.5308	-0.1111	36	0.10	0.02	0.07	0.135
458	P230HLZ	34	B-022	B-021	150.0	mPVC	100.0	1.5219	2.4181	54	0.14	0.00	0.09	0.132
1463	P187HLZ(1)	76	S-012	J-213	100.0	mPVC	100.0	0.5037	0.6648	48	0.08	0.01	0.06	0.122
1464	P187HLZ(2)	46	J-213	S-013	100.0	mPVC	100.0	0.5037	0.6648	50	0.08	0.01	0.06	0.122
518	P173HLZ	30	S-024	S-023	150.0	mPVC	100.0	-1.4467	-0.5457	49	0.11	0.00	0.08	0.120
370	P062LLZ	77	L-024	J-269	100.0	mPVC	100.0	0.4933	0.6534	49	0.08	0.01	0.06	0.118
697	P100LLZ	88	L-1055	L-033	100.0	mPVC	100.0	0.4904	0.6478	53	0.08	0.01	0.06	0.116
659	P300HLZ	63	B-021a	B-018	100.0	mPVC	100.0	0.4907	0.7833	48	0.10	0.01	0.06	0.116
884	P318HLZ(2)	89	J-23	B-030a	100.0	mPVC	100.0	-1.4209	-0.2118	53	0.14	0.01	0.08	0.116
1453	P158HLZ(1)	110	S-009	J-209	100.0	mPVC	100.0	0.4852	0.6405	41	0.08	0.01	0.06	0.114
1454	P158HLZ(2)	88	J-209	S-010	100.0	mPVC	100.0	0.4852	0.6405	42	0.08	0.01	0.06	0.114
1400	P294HLZ(2)(2)	68	J-191	B-018a	100.0	mPVC	100.0	-0.4802	-0.1158	41	0.10	0.01	0.06	0.112
514	P177HLZ	155	S-025	S-024	150.0	mPVC	100.0	-1.3943	-0.5250	52	0.10	0.02	0.08	0.112
1171	P-85	77	J-109	J-107	100.0	mPVC	100.0	0.4672	0.6178	54	0.08	0.01	0.06	0.106
891	P318HLZ(1)(2)	69	J-25	J-23	150.0	mPVC	100.0	-1.3478	-0.2218	52	0.13	0.01	0.08	0.105
881	P-22	137	B-031b	J-21	150.0	mPVC	100.0	-1.3284	-0.2957	47	0.11	0.01	0.08	0.102
1282	P186HLZ(2)(2)(1)	20	J-13	J-152	100.0	mPVC	100.0	-0.4572	-0.1734	57	0.08	0.00	0.06	0.102
700	P097LLZ	31	L-031	L-1050	100.0	mPVC	100.0	0.4531	0.5982	56	0.08	0.00	0.06	0.101
366	P066LLZ	76	J-269	L-1020	100.0	mPVC	100.0	0.4487	0.5943	49	0.08	0.01	0.06	0.099
1263	P346HLZ(2)	32	S-006	J-147	150.0	mPVC	100.0	1.2912	1.7042	37	0.10	0.00	0.07	0.097
1264	P-134	172	J-146	J-147	100.0	mPVC	100.0	0.4439	0.5862	38	0.07	0.02	0.06	0.097
687	P287HLZ	76	S-044	S-044a	100.0	mPVC	100.0	0.4402	0.5814	55	0.07	0.01	0.06	0.095
850	P-12	82	S-023	J-11	100.0	mPVC	100.0	0.4401	0.5818	49	0.07	0.01	0.06	0.095
1003	P241HLZ(2)	166	J-60	B-048	100.0	mPVC	100.0	-0.4310	-0.1170	38	0.07	0.02	0.05	0.092
963	P-38	64	J-48	B-024	100.0	mPVC	100.0	-0.4302	0.3970	58	0.18	0.01	0.05	0.091
843	P-8	79	S-004a	J-8	100.0	mPVC	100.0	0.4274	0.5645	45	0.07	0.01	0.05	0.090
560	P023LLZ	111	L-021	L-022	100.0	mPVC	100.0	0.4272	0.5638	57	0.07	0.01	0.05	0.090
1045	P248HLZ(1)	76	B-054	J-73	100.0	mPVC	100.0	-0.4253	-0.1041	34	0.07	0.01	0.05	0.089
1027	P258HLZ(1)	76	B-056	J-68	100.0	mPVC	100.0	-0.4230	-0.1545	54	0.05	0.01	0.05	0.088
1063	P-62	176	B-036a	B-023b	100.0	mPVC	100.0	0.4188	0.6104	47	0.08	0.02	0.05	0.087
1356	P060LLZ(1)(1)	54	L-1000	J-178	100.0	mPVC	100.0	0.4123	0.5453	57	0.07	0.00	0.05	0.085
1423	P153HLZ(1)(1)	13	S-014	J-198	150.0	mPVC	100.0	1.1892	1.5714	34	0.09	0.00	0.07	0.084
837	P-6	112	J-6	S-120	100.0	mPVC	100.0	0.4047	0.5347	35	0.07	0.01	0.05	0.082
1156	P-80	166	L-1050	J-103	100.0	mPVC	100.0	0.4001	0.5284	55	0.07	0.01	0.05	0.080
1399	P294HLZ(2)(1)	91	J-43	J-191	100.0	mPVC	100.0	-0.3966	-0.0774	45	0.09	0.01	0.05	0.079
982	P303HLZ(1)	64	B-064a	J-54	100.0	mPVC	100.0	-0.3939	-0.0795	55	0.07	0.00	0.05	0.077
987	P284HLZ(2)	7	J-55	B-050	100.0	mPVC	100.0	0.3927	0.7831	42	0.10	0.00	0.05	0.077
1061	P231HLZ(2)	52	J-78	B-029	150.0	mPVC	100.0	-1.1304	-0.2130	50	0.10	0.00	0.06	0.076
640	P319HLZ	173	B-030a	B-030	150.0	mPVC	100.0	-1.1253	-0.1675	53	0.11	0.01	0.06	0.075
368	P064LLZ	20	L-1010	L-1015	100.0	mPVC	100.0	0.3818	0.5047	49	0.06	0.00	0.05	0.073
1357	P060LLZ(1)(2)	108	J-178	J-108	100.0	mPVC	100.0	0.3766	0.4980	59	0.06	0.01	0.05	0.071
654	P305HLZ	97	S-027a	S-027	100.0	mPVC	100.0	-0.3718	-0.1394	54	0.06	0.01	0.05	0.070
841	P-7	74	S-052	J-7	100.0	mPVC	100.0	0.3667	0.4842	39	0.06	0.01	0.05	0.068
1157	P-81	142	L-022	L-024	100.0	mPVC	100.0	0.3667	0.4840	54	0.06	0.01	0.05	0.068
647	P312HLZ	77	B-031	B-031a	150.0	mPVC	100.0	-1.0445	-0.2191	49	0.09	0.01	0.06	0.066
620	P327HLZ	145	B-049a	B-054	100.0	mPVC	100.0	-0.3570	-0.0721	34	0.07	0.01	0.05	0.065
862	P065LLZ(1)	22	L-1015	J-15	100.0	mPVC	100.0	0.3550	0.4693	49	0.06	0.00	0.05	0.064
840	P196HLZ(2)	148	J-7	S-019	100.0	mPVC	100.0	0.3537	0.4666	41	0.06	0.01	0.05	0.064
494	P197HLZ	216	S-019	S-009	100.0	mPVC	100.0	0.3537	0.4666	40	0.06	0.01	0.05	0.064

	P067LLZ(1)	68	L-1020	J-2	100.0	mPVC	100.0	0.3504	0.4644	50	0.06	0.00	0.04	0.062
1174	P060LLZ(2)(1)	116	J-108	J-110	100.0	mPVC	100.0	0.3493	0.4619	53	0.06	0.01	0.04	0.062
648	P311HLZ	62	B-038a	B-038	150.0	mPVC	100.0	-1.0008	-0.2289	42	0.08	0.00	0.06	0.061
946	P-36	63	J-43	J-42	100.0	mPVC	100.0	0.3429	0.7117	45	0.09	0.00	0.04	0.060
979	P260HLZ(1)	75	B-062	J-53	100.0	mPVC	100.0	-0.3423	0.2113	57	0.12	0.00	0.04	0.060
456	P232HLZ	67	B-031	B-029	150.0	mPVC	100.0	0.9880	1.7249	49	0.10	0.00	0.06	0.059
809	P067LLZ(2)	76	J-2	L-044	100.0	mPVC	100.0	0.3316	0.4388	50	0.06	0.00	0.04	0.056
515	P176HLZ	48	S-026	S-025	150.0	mPVC	100.0	-0.9602	-0.3606	52	0.07	0.00	0.05	0.056
844	P-9	67	J-8	S-022	100.0	mPVC	100.0	0.3292	0.4351	47	0.06	0.00	0.04	0.056
373	P059LLZ	76	L-1005	L-042	100.0	mPVC	100.0	0.3292	0.4355	49	0.06	0.00	0.04	0.056
1280	P-138	185	S-008a	J-151	100.0	mPVC	100.0	0.3284	0.4335	41	0.06	0.01	0.04	0.055
1284	P-139	271	J-152	S-027a	100.0	mPVC	100.0	-0.3281	-0.1239	57	0.06	0.01	0.04	0.055
984	P-41	159	J-53	J-54	100.0	mPVC	100.0	-0.3266	-0.0364	58	0.08	0.01	0.04	0.055
652	P307HLZ	193	S-008a	S-034	100.0	mPVC	100.0	0.3230	0.4263	41	0.05	0.01	0.04	0.054
1176	P-87	35	J-110	L-1010	100.0	mPVC	100.0	0.3225	0.4265	50	0.05	0.00	0.04	0.054
568	P015LLZ	25	L-015	L-016	150.0	mPVC	100.0	0.9348	13.2706	60	0.75	0.00	0.05	0.053
664	P121LLZ	130	T-1010	L-015	150.0	mPVC	100.0	0.9348	13.2706	61	0.75	0.01	0.05	0.053
682	P113LLZ	99	B-072	B-071a	100.0	mPVC	100.0	-0.3202	-0.1199	44	0.05	0.01	0.04	0.053
635	P324HLZ	75	B-025a	B-023b	100.0	mPVC	100.0	-0.3182	0.0981	56	0.09	0.00	0.04	0.052
1273	P165HLZ(2)	99	J-150	S-035	100.0	mPVC	100.0	-0.3169	-0.1193	47	0.05	0.01	0.04	0.052
863	P065LLZ(2)	7	J-15	L-1005	100.0	mPVC	100.0	0.3104	0.4102	49	0.05	0.00	0.04	0.051
643	P316HLZ	74	B-031a	B-031b	150.0	mPVC	100.0	-0.9038	-0.2538	47	0.06	0.00	0.05	0.050
619	P328HLZ	47	B-045	B-045a	150.0	mPVC	100.0	-0.8989	-0.1679	38	0.08	0.00	0.05	0.050
1000	P240HLZ(2)	55	J-59	B-045	150.0	mPVC	100.0	-0.8852	-0.1615	41	0.08	0.00	0.05	0.048
489	P202HLZ	286	S-037	S-013	100.0	mPVC	100.0	-0.3009	-0.1136	58	0.05	0.01	0.04	0.047
588	P349HLZ	96	S-120	S-052	100.0	mPVC	100.0	0.3002	0.3965	38	0.05	0.00	0.04	0.047
536	P155HLZ	48	S-020	S-017	100.0	mPVC	100.0	0.3003	0.3967	36	0.05	0.00	0.04	0.047
1043	P326HLZ(2)(2)	76	J-72	B-049a	100.0	mPVC	100.0	-0.2978	-0.0444	36	0.07	0.00	0.04	0.046
513	P178HLZ	125	S-025	S-043	100.0	mPVC	100.0	0.2913	0.3842	52	0.05	0.01	0.04	0.044
459	P229HLZ	29	B-023	B-022	100.0	mPVC	100.0	0.8461	1.0283	55	0.06	0.00	0.05	0.044
460	P228HLZ	137	B-025	B-023	150.0	mPVC	100.0	-0.8403	0.4411	57	0.12	0.01	0.05	0.044
522	P169HLZ	184	S-035	S-036	100.0	mPVC	100.0	0.2801	0.3697	50	0.05	0.01	0.04	0.041
683	P112LLZ	64	B-068b	B-068a	100.0	mPVC	100.0	-0.2789	-0.1044	54	0.05	0.00	0.04	0.041
1275	P-136	10	S-034	J-11	100.0	mPVC	100.0	0.2764	0.3643	49	0.05	0.00	0.04	0.040
1158	P-82	158	B-071a	L-047	100.0	mPVC	100.0	0.2754	0.3643	47	0.05	0.01	0.04	0.040
1028	P258HLZ(2)	110	J-68	B-055	100.0	mPVC	100.0	0.2704	0.7939	54	0.10	0.00	0.03	0.039
363	P069LLZ	76	L-042	J-272	100.0	mPVC	100.0	0.2599	0.3439	49	0.04	0.00	0.03	0.036
362	P070LLZ	76	J-273	L-044	100.0	mPVC	100.0	-0.2580	-0.0957	50	0.04	0.00	0.03	0.035
451	P237HLZ	238	B-030	B-032	150.0	mPVC	100.0	-0.7347	-0.1132	51	0.07	0.01	0.04	0.034
1179	P-89	90	J-107	J-105	100.0	mPVC	100.0	0.2472	0.3268	53	0.04	0.00	0.03	0.033
890	P318HLZ(1)(1)	60	B-022	J-25	150.0	mPVC	100.0	-0.7061	-0.0231	54	0.08	0.00	0.04	0.032
657	P302HLZ	96	B-065	B-064a	100.0	mPVC	100.0	-0.2363	-0.0026	57	0.06	0.00	0.03	0.030
1011	P-48	169	J-61	J-62	100.0	mPVC	100.0	0.2349	0.4800	40	0.06	0.01	0.03	0.030
1154	P144LLZ(1)	90	L-033	J-103	100.0	mPVC	100.0	-0.2337	-0.0871	50	0.04	0.00	0.03	0.030
450	P238HLZ	155	B-039	B-038	150.0	mPVC	100.0	-0.6742	-0.1644	36	0.05	0.00	0.04	0.029
490	P201HLZ	11	S-038	S-037	100.0	mPVC	100.0	-0.2262	-0.0857	58	0.04	0.00	0.03	0.028
875	P-20	76	J-20	B-038a	150.0	mPVC	100.0	-0.6555	-0.1680	41	0.05	0.00	0.04	0.028
523	P168HLZ	80	S-036	S-026	100.0	mPVC	100.0	0.2215	0.2917	53	0.04	0.00	0.03	0.027
1283	P186HLZ(2)(2)(2)	56	J-152	S-038	100.0	mPVC	100.0	-0.2187	-0.0829	57	0.04	0.00	0.03	0.026
855	P186HLZ(2)(1)	42	J-12	J-13	100.0	mPVC	100.0	-0.2174	-0.0829	57	0.04	0.00	0.03	0.026
649	P310HLZ	53	B-039a	B-039	150.0	mPVC	100.0	-0.6212	-0.1396	59	0.05	0.00	0.04	0.025
593	P344HLZ	75	S-105	S-110	100.0	mPVC	100.0	0.2134	0.2820	41	0.04	0.00	0.03	0.025
511	P180HLZ	84	S-029	S-045	100.0	mPVC	100.0	0.2112	0.2785	55	0.04	0.00	0.03	0.024
1421	P-24(2)	43	J-197	J-25	150.0	mPVC	100.0	-0.6115	-0.1760	50	0.05	0.00	0.03	0.024
531	P160HLZ	37	S-008	S-009	100.0	mPVC	100.0	0.2062	0.2727	40	0.03	0.00	0.03	0.023
360	P072LLZ	63	J-272	J-274	100.0	mPVC	100.0	0.1971	0.2608	50	0.03	0.00	0.03	0.021
535	P156HLZ	207	S-017	S-018	100.0	mPVC	100.0	0.1958	0.2586	39	0.03	0.00	0.02	0.021
823	P152HLZ(1)	25	S-014	J-1	150.0	mPVC	100.0	0.5222	0.6905	34	0.04	0.00	0.03	0.018
1370	P-167	39	J-High School	L-016	150.0	mPVC	100.0	-0.5212	-0.2894	59	0.43	0.00	0.03	0.018
463	P225HLZ	166	B-019	B-018	100.0	mPVC	100.0	-0.1751	-0.0534	53	0.05	0.00	0.02	0.017
874	P-19	205	J-19	J-20	150.0	mPVC	100.0	-0.5049	-0.0872	48	0.05	0.00	0.03	0.017
506	P185HLZ	116	S-030	S-029	100.0	mPVC	100.0	-0.1727	-0.0647	56	0.03	0.00	0.02	0.017
684	P111LLZ	42	B-069	B-068b	100.0	mPVC	100.0	-0.1721	-0.0644	55	0.03	0.00	0.02	0.017
650	P309HLZ	251	B-032	B-039a	150.0	mPVC	100.0	-0.4992	-0.0929	47	0.04	0.00	0.03	0.017
481	P210HLZ	112	S-052	S-020	100.0	mPVC	100.0	-0.1709	-0.0643	39	0.03	0.00	0.02	0.016
1060	P231HLZ(1)	57	B-030	J-78	150.0	mPVC	100.0	-0.4890	-0.1003	51	0.04	0.00	0.03	0.016
1278	P161HLZ(1)	57	S-010	J-151	100.0	mPVC	100.0	-0.1658	-0.0622	44	0.03	0.00	0.02	0.016
1274	P-135	155	J-150	J-149	100.0	mPVC	100.0	0.1655	0.2182	47	0.03	0.00	0.02	0.016
1396	P-13(1)	111	J-13	P8 Low Point	100.0	mPVC	100.0	0.1651	0.2178	57	0.03	0.00	0.02	0.016
464	P224HLZ	78	B-018	B-017	100.0	mPVC	100.0	0.1605	0.3207	45	0.04	0.00	0.02	0.015
359	P073LLZ	84	J-275	J-273	100.0	mPVC	100.0	-0.1600	-0.0594	49	0.03	0.00	0.02	0.015
1376	P-169	46	S-NEIGHBOURHOODCENTRE	S-055	150.0	mPVC	100.0	-0.4636	-0.1900	38	0.03	0.00	0.03	0.014
417	P053LLZ	65	L-024	L-047	100.0	mPVC	100.0	-0.1569	-0.0549	49	0.03	0.00	0.02	0.014
419	P051LLZ	102	B-072	B-073	100.0	mPVC	100.0	0.1462	0.1938	44	0.02	0.00	0.02	0.012
872	P265HLZ(2)	61	J-19	B-032	150.0	mPVC	100.0	0.4098	0.5252	48	0.03	0.00	0.02	0.012

	P184HLZ	70	S-031	S-030	100.0	mPVC	100.0	-0.1411	-0.0537	55	0.02	0.00	0.02	0.012
582	P001LLZ	28	L-016	L-SCHOOL	150.0	mPVC	100.0	0.3984	5.6708	60	0.32	0.00	0.02	0.011
951	P223HLZ(2)(1)	63	J-40	J-45	100.0	mPVC	100.0	0.1365	0.3614	48	0.08	0.00	0.02	0.011
956	P301HLZ(2)	155	J-46	B-021a	100.0	mPVC	100.0	-0.1370	0.1361	55	0.05	0.00	0.02	0.011
867	P-17	24	J-16	J-17	150.0	mPVC	100.0	-0.3865	-0.0868	52	0.03	0.00	0.02	0.011
980	P260HLZ(2)	89	J-53	B-065	100.0	mPVC	100.0	-0.1313	0.1353	58	0.05	0.00	0.02	0.010
590	P347HLZ	43	S-110	S-115	100.0	mPVC	100.0	0.1303	0.1725	41	0.02	0.00	0.02	0.010
1313	P047LLZ(2)	33	J-164	B-069	100.0	mPVC	100.0	-0.1267	-0.0471	55	0.02	0.00	0.02	0.010
865	P-16	45	B-030a	J-16	150.0	mPVC	100.0	-0.3638	-0.0761	53	0.03	0.00	0.02	0.009
858	P-14	118	S-054	J-12	100.0	mPVC	100.0	-0.1213	-0.0459	56	0.02	0.00	0.02	0.009
825	P-1	139	A-01	J-1	100.0	mPVC	100.0	-0.1206	-0.0449	37	0.02	0.00	0.02	0.009
642	P317HLZ	65	B-031b	B-028a	150.0	mPVC	100.0	0.3489	0.7838	47	0.04	0.00	0.02	0.009
953	P-37	172	J-44	J-45	100.0	mPVC	100.0	0.1181	0.3728	44	0.05	0.00	0.02	0.008
1185	P-92	147	J-104	J-105	100.0	mPVC	100.0	-0.1160	-0.0435	49	0.02	0.00	0.01	0.008
942	P222HLZ(2)	160	J-42	B-016	100.0	mPVC	100.0	0.1136	0.5518	45	0.07	0.00	0.01	0.008
421	P049LLZ	63	B-070	B-072	100.0	mPVC	100.0	-0.1134	-0.0433	45	0.02	0.00	0.01	0.008
1172	P-86	127	J-107	L-1010	100.0	mPVC	100.0	0.1128	0.1492	53	0.02	0.00	0.01	0.008
958	P275HLZ(1)	202	J-47	B-020	150.0	mPVC	100.0	0.3274	0.9410	58	0.06	0.00	0.02	0.008
949	P222HLZ(1)(2)	68	J-44	J-42	100.0	mPVC	100.0	-0.1128	-0.0576	44	0.02	0.00	0.01	0.008
686	P288HLZ	146	S-044a	S-028	100.0	mPVC	100.0	-0.1108	-0.0426	52	0.02	0.00	0.01	0.007
1190	P-95	18	J-46	J-116	100.0	mPVC	100.0	0.1074	0.1421	55	0.02	0.00	0.01	0.007
719	P078LLZ	59	J-277	J-275	100.0	mPVC	100.0	-0.1065	-0.0395	49	0.02	0.00	0.01	0.007
824	P152HLZ(2)	88	J-1	S-015	150.0	mPVC	100.0	0.2971	0.3930	34	0.02	0.00	0.02	0.006
499	P192HLZ	136	S-045	S-047	100.0	mPVC	100.0	0.0990	0.1308	53	0.02	0.00	0.01	0.006
685	P110LLZ	93	B-068a	B-068	100.0	mPVC	100.0	0.0983	0.1296	55	0.02	0.00	0.01	0.006
1286	P-140	145	J-153	S-044	100.0	mPVC	100.0	-0.0981	-0.0373	53	0.02	0.00	0.01	0.006
839	P196HLZ(1)	38	S-018	J-7	100.0	mPVC	100.0	0.0914	0.1205	43	0.02	0.00	0.01	0.005
1397	P-13(2)	82	P8 Low Point	S-039	100.0	mPVC	100.0	0.0904	0.1191	58	0.02	0.00	0.01	0.005
860	P-15	120	J-14	J-274	100.0	mPVC	100.0	-0.0893	-0.0331	49	0.02	0.00	0.01	0.005
541	P150HLZ	135	S-015	S-016	100.0	mPVC	100.0	0.0883	0.1168	32	0.01	0.00	0.01	0.005
948	P222HLZ(1)(1)	10	B-017	J-44	100.0	mPVC	100.0	0.0888	0.2915	43	0.04	0.00	0.01	0.005
646	P313HLZ	108	B-031a	B-038a	150.0	mPVC	100.0	-0.2543	-0.0174	47	0.03	0.00	0.01	0.005
655	P304HLZ	55	S-013	S-027a	100.0	mPVC	100.0	0.0833	0.1097	53	0.01	0.00	0.01	0.004
508	P183HLZ	33	S-032	S-031	100.0	mPVC	100.0	-0.0809	-0.0310	55	0.01	0.00	0.01	0.004
955	P301HLZ(1)	88	B-024	J-46	100.0	mPVC	100.0	0.0779	0.4202	56	0.05	0.00	0.01	0.004
357	P075LLZ	80	J-274	J-276	100.0	mPVC	100.0	0.0721	0.0954	50	0.01	0.00	0.01	0.003
395	P274HLZ	172	B-016	B-020	150.0	mPVC	100.0	-0.1930	1.0871	48	0.06	0.00	0.01	0.003
455	P233HLZ	74	B-029	B-028	150.0	mPVC	100.0	-0.1879	0.0080	49	0.02	0.00	0.01	0.003
952	P223HLZ(2)(2)	90	J-45	B-019	100.0	mPVC	100.0	0.0636	0.1646	49	0.04	0.00	0.01	0.003
1269	P167HLZ(2)(1)	15	J-148	J-149	100.0	mPVC	100.0	-0.0598	-0.0223	50	0.01	0.00	0.01	0.003
424	P046LLZ	198	B-070	B-078	100.0	mPVC	100.0	0.0605	0.0797	45	0.01	0.00	0.01	0.002
1312	P047LLZ(1)	151	B-075	J-164	100.0	mPVC	100.0	-0.0605	-0.0231	55	0.01	0.00	0.01	0.002
1362	P143LLZ(2)	62	J-179	L-047	100.0	mPVC	100.0	-0.0580	-0.0243	47	0.01	0.00	0.01	0.002
1054	P-59	12	J-17	J-76	150.0	mPVC	100.0	0.1715	0.3860	52	0.02	0.00	0.01	0.002
501	P190HLZ	186	S-002	S-003	100.0	mPVC	100.0	0.0525	0.0694	52	0.01	0.00	0.01	0.002
1387	P-174	20	J-188	J-155	100.0	mPVC	100.0	0.0528	0.0697	55	0.01	0.00	0.01	0.002
852	P186HLZ(1)	49	S-030	J-12	100.0	mPVC	100.0	-0.0512	-0.0203	56	0.01	0.00	0.01	0.002
937	P223HLZ(1)	5	B-016	J-40	150.0	mPVC	100.0	0.2111	0.4601	48	0.03	0.00	0.01	0.002
1272	P165HLZ(1)	50	S-011	J-150	100.0	mPVC	100.0	-0.0468	-0.0175	45	0.01	0.00	0.01	0.002
1188	P-94	59	B-019	J-115	100.0	mPVC	100.0	0.0477	0.0631	53	0.01	0.00	0.01	0.002
848	P-11	18	J-9	J-8	100.0	mPVC	100.0	-0.0528	-0.0201	47	0.01	0.00	0.01	0.002
1058	P-60	76	J-76	J-77	150.0	mPVC	100.0	0.1337	0.3715	53	0.02	0.00	0.01	0.001
509	P182HLZ	29	S-033	S-032	100.0	mPVC	100.0	-0.0424	-0.0145	54	0.01	0.00	0.01	0.001
1279	P161HLZ(2)	108	J-151	S-034	100.0	mPVC	100.0	0.0356	0.0466	45	0.01	0.00	0.00	0.001
1160	P-1(1)	59	L-1005	J-104	100.0	mPVC	100.0	-0.0367	-0.0128	49	0.01	0.00	0.00	0.001
1052	P-58	31	J-75	S-015	150.0	mPVC	100.0	-0.1044	-0.0389	33	0.01	0.00	0.01	0.001
720	P077LLZ	83	L-043	J-277	100.0	mPVC	100.0	-0.0351	-0.0130	48	0.01	0.00	0.00	0.001
482	P209HLZ	61	S-054	S-041	100.0	mPVC	100.0	0.0349	0.0457	56	0.01	0.00	0.00	0.001
1155	P144LLZ(2)	37	J-103	B-074	100.0	mPVC	100.0	0.0303	0.0399	50	0.01	0.00	0.00	0.001
485	P206HLZ	100	S-039	S-040	100.0	mPVC	100.0	0.0274	0.0360	58	0.00	0.00	0.00	0.001
888	P-23	103	J-23	J-24	100.0	mPVC	100.0	0.0276	0.1535	53	0.02	0.00	0.00	0.001
1170	P-84	70	J-109	J-108	100.0	mPVC	100.0	0.0263	0.0348	54	0.00	0.00	0.00	0.001
1270	P167HLZ(2)(2)	74	J-149	S-036	100.0	mPVC	100.0	0.0235	0.0306	51	0.00	0.00	0.00	0.001
438	P250HLZ	63	B-052	B-051	150.0	mPVC	100.0	0.0678	0.4734	40	0.03	0.00	0.00	0.000
1186	P-93	24	J-105	J-106	100.0	mPVC	100.0	0.0241	0.0318	52	0.00	0.00	0.00	0.000
1296	P-144	25	J-156	J-157	100.0	mPVC	100.0	-0.0273	-0.0105	34	0.00	0.00	0.00	0.000
1406	P261HLZ(1)	29	B-065	P9 Low Point	100.0	mPVC	100.0	0.0105	0.0139	57	0.00	0.00	0.00	0.000
361	P071LLZ	123	J-272	J-273	100.0	mPVC	100.0	-0.0176	-0.0065	50	0.00	0.00	0.00	0.000
356	P076LLZ	158	J-276	L-043	100.0	mPVC	100.0	0.0185	0.0245	50	0.00	0.00	0.00	0.000
1298	P-145	37	J-158	B-054	100.0	mPVC	100.0	-0.0182	-0.0070	34	0.00	0.00	0.00	0.000
718	P079LLZ	120	J-276	J-277	100.0	mPVC	100.0	-0.0178	-0.0066	50	0.00	0.00	0.00	0.000
484	P207HLZ	81	S-033	S-041	100.0	mPVC	100.0	0.0198	0.0269	54	0.00	0.00	0.00	0.000
817	P-1	88	S-016	A-01	100.0	mPVC	100.0	-0.0162	-0.0060	34	0.00	0.00	0.00	0.000
498	P193HLZ	125	S-047	S-032	100.0	mPVC	100.0	0.0141	0.0195	53	0.00	0.00	0.00	0.000
510	P181HLZ	63	S-045	S-046	100.0	mPVC	100.0	0.0065	0.0083	53	0.00	0.00	0.00	0.000

	P325HLZ	75	B-023b	B-023a	100.0	mPVC	100.0	-0.0130	0.1583	55	0.02	0.00	0.00	0.000
585	P350HLZ	79	S-042	S-024	100.0	mPVC	100.0	0.0153	0.0206	49	0.00	0.00	0.00	0.000
483	P208HLZ	195	S-041	S-040	100.0	mPVC	100.0	0.0099	0.0133	55	0.00	0.00	0.00	0.000
486	P205HLZ	117	S-054	S-039	100.0	mPVC	100.0	0.0117	0.0157	56	0.00	0.00	0.00	0.000
354	PRV-2-A	2	823-A	PRV-2	250.0	mPVC	110.0	0.0000	0.0000	39	0.00	0.00	0.00	0.000
355	PRV-2-B	3	823-B	823-B	250.0	mPVC	110.0	0.0000	0.0000	36	0.00	0.00	0.00	0.000
382	P281HLZ	39	823-B	B-079	250.0	mPVC	110.0	0.0000	0.0000	36	0.00	0.00	0.00	0.000
383	P280HLZ	154	B-079	B-042	250.0	mPVC	110.0	-0.0303	-0.0116	38	0.00	0.00	0.00	0.000
384	P279HLZ	87	TeviotRdConnection1	823-A	250.0	mPVC	110.0	0.0045	0.0060	0	0.00	0.00	0.00	0.000
385	P366LLZIRRIG	15	L-SCHOOL	I-SCHOOL	150.0	mPVC	100.0	0.0000	5.4000	60	0.31	0.00	0.00	0.000
410	P264HLZ	34	B-039	B-040	150.0	mPVC	100.0	0.0152	0.0200	36	0.00	0.00	0.00	0.000
414	P262HLZ	122	B-042	B-041	250.0	mPVC	110.0	-0.0773	-0.0295	43	0.00	0.00	0.00	0.000
418	P052LLZ	55	B-073	B-076	100.0	mPVC	100.0	0.0025	0.0044	46	0.00	0.00	0.00	0.000
500	P191HLZ	37	S-003	B-066	100.0	mPVC	100.0	0.0000	0.0000	59	0.00	0.00	0.00	0.000
556	P027LLZ	119	L-042	L-044	100.0	mPVC	100.0	0.0068	0.0090	49	0.00	0.00	0.00	0.000
584	P351HLZ	43	S-033	B-075	100.0	mPVC	100.0	0.0000	0.0000	54	0.00	0.00	0.00	0.000
601	P336HLZ	41	B-066	B-067	100.0	mPVC	100.0	0.0000	0.0000	59	0.00	0.00	0.00	0.000
661	P123LLZ	4	T-1005	L-SPORT&RECCLUBHOUSE	150.0	mPVC	100.0	0.1320	10.8880	59	0.62	0.00	0.01	0.000
827	P-2	26	A-01	J-2	100.0	mPVC	100.0	0.0000	0.0000	37	0.00	0.00	0.00	0.000
829	P-3	27	J-3	S-016	100.0	mPVC	100.0	0.0000	0.0000	35	0.00	0.00	0.00	0.000
831	P-4	41	S-017	J-4	100.0	mPVC	100.0	0.0000	0.0000	39	0.00	0.00	0.00	0.000
833	P-5	137	S-120	J-5	100.0	mPVC	100.0	0.0000	0.0000	38	0.00	0.00	0.00	0.000
871	P265HLZ(1)	70	B-031	J-19	150.0	mPVC	100.0	-0.0117	0.1596	49	0.01	0.00	0.00	0.000
876	P-21	75	B-039a	J-20	150.0	mPVC	100.0	-0.0143	0.0367	39	0.00	0.00	0.00	0.000
961	P275HLZ(2)(1)	8	J-47	J-48	250.0	mPVC	110.0	-0.3632	1.0237	58	0.02	0.00	0.01	0.000
968	P275HLZ(2)(2)(1)	35	J-50	J-48	250.0	mPVC	110.0	-0.0594	1.3954	58	0.05	0.00	0.00	0.000
1146	P-76	189	I-SPORT&RECPARK	J-101	200.0	mPVC	120.0	0.0000	0.0000	65	0.34	0.00	0.00	0.000
1161	P-1(2)	59	J-104	J-2	100.0	mPVC	100.0	0.0079	0.0098	49	0.00	0.00	0.00	0.000
1303	P-148	12	J-160	B-049a	100.0	mPVC	100.0	-0.0273	-0.0105	34	0.00	0.00	0.00	0.000
1305	P-149	62	S-019	J-161	100.0	mPVC	100.0	0.0000	0.0000	40	0.00	0.00	0.00	0.000
1329	P-157	18	J-1	J-AFL maintenance shed	150.0	mPVC	100.0	0.0000	0.0000	60	0.00	0.00	0.00	0.000
1361	P143LLZ(1)	25	B-076	J-179	100.0	mPVC	100.0	-0.0202	-0.0099	47	0.00	0.00	0.00	0.000
1368	P-166	20	J-180	J-181	100.0	mPVC	100.0	0.0000	0.0000	57	0.00	0.00	0.00	0.000
1375	P-168	4	J-184	J-Primary School	200.0	mPVC	110.0	0.0000	0.0000	61	0.00	0.00	0.00	0.000
1407	P261HLZ(2)	72	P9 Low Point	B-066	100.0	mPVC	100.0	0.0105	0.0139	60	0.00	0.00	0.00	0.000
1467	P-189	13	J-High School	I-High School	150.0	mPVC	100.0	0.0000	7.2400	59	0.41	0.00	0.00	0.000
1499	P-202	6	L-SPORT&RECCLUBHOUSE	I-Sport and Rec Irrigation Node	150.0	Ductile Iron	100.0	0.0000	10.8000	57	0.61	0.00	0.00	0.000
1541	P002LLZ(1)	132	L-016	J-225	150.0	mPVC	100.0	0.0151	0.0199	60	0.00	0.00	0.00	0.000
1542	P002LLZ(2)	43	J-225	L-017	150.0	mPVC	100.0	0.0151	0.0199	58	0.00	0.00	0.00	0.000
401	P271HLZ	27	B-005	B-006	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
402	P270HLZ	33	B-004	B-005	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
468	P220HLZ	152	B-012	B-014	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
470	P218HLZ	206	B-011	B-006	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
471	P217HLZ	100	B-007	B-011	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
472	P216HLZ	102	B-006	B-007	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
473	P215HLZ	34	B-004	B-010	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
474	P214HLZ	26	B-003	B-004	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
475	P213HLZ	118	B-009	B-003	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
476	P212HLZ	262	B-002	B-009	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
477	P211HLZ	77	B-002	B-003	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
544	P039LLZ	174	L-ECO-002	L-ECO-003	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
545	P038LLZ	133	L-041	L-013	250.0	mPVC	110.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
548	P035LLZ	50	L-002	L-003	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
550	P033LLZ	310	RoundMt	L-001	250.0	mPVC	110.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
551	P032LLZ	125	L-035	L-036	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
553	P030LLZ	227	L-009	L-010	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
554	P029LLZ	126	L-004	L-009	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
571	P012LLZ	80	L-039	L-037	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
574	P009LLZ	75	L-036	L-038	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
575	P008LLZ	79	L-012	L-007	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
576	P007LLZ	61	L-006	L-008	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
580	P003LLZ	76	L-005	L-006	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
608	P139LLZ	179	L-040a	L-040	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
610	P137LLZ	64	L-034a	L-035	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
611	P136LLZ	150	L-034	L-034a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
612	P335HLZ	105	B-016a	B-016	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
613	P334HLZ	114	B-013	B-016a	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
614	P333HLZ	129	B-014a	B-015	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
615	P332HLZ	75	B-014	B-014a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
622	P135LLZ	83	L-ECO-008	L-ECO-006	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
624	P133LLZ	68	L-ECO-006	L-ECO_007	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
627	P130LLZ	259	L-ECO-006	L-ECO-002	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
628	P129LLZ	97	L-ECO-001	L-ECO-005	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
629	P128LLZ	178	L-ECO-005	L-ECO-004	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
630	P127LLZ	103	L-010a	L-ECO-005	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)

	P126LLZ	95	L-010a	L-012	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
633	P124LLZ	128	L-005	L-007	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
668	P119LLZ	81	L-035a	L-045	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
672	P116LLZ	224	L-008a	L-008	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
894	P-25	63	B-014a	J-26	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
896	P221HLZ(1)	74	B-012	J-27	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
897	P221HLZ(2)	44	J-27	B-013	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
898	P-26	88	J-26	J-27	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
900	P-27	149	J-28	J-26	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
905	P-30	116	J-28	B-016a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
907	P138LLZ(1)	33	L-038	J-31	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
909	P-31	240	L-034a	J-31	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
911	P118LLZ(1)	3	L-035a	J-32	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
912	P118LLZ(2)	181	J-32	L-035	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
914	P011LLZ(1)	36	L-036	J-33	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
915	P011LLZ(2)	88	J-33	L-037	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
916	P-32	152	J-32	J-33	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
919	P117LLZ(1)	113	L-037	J-35	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
920	P117LLZ(2)	74	J-35	L-035a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
921	P-33	44	J-35	J-34	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
923	P013LLZ(1)	30	L-038	J-36	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
924	P013LLZ(2)	126	J-36	L-039	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
926	P138LLZ(2)(1)	192	J-31	J-37	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
927	P138LLZ(2)(2)	8	J-37	L-040a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
930	P-34(1)	75	J-36	J-38	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
931	P-34(2)	71	J-38	J-37	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
933	P010LLZ(1)	62	L-040	J-39	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
934	P010LLZ(2)	81	J-39	L-039	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
935	P-35	162	J-38	J-39	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
944	P294HLZ(1)	111	B-015	J-43	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1065	P006LLZ(1)	15	L-008	J-79	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1069	P131LLZ(2)	131	J-80	L-ECO_007	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1072	P132LLZ(2)	82	J-81	L-ECO-002	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1074	P132LLZ(1)(1)	72	L-ECO_007	J-82	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1075	P132LLZ(1)(2)	77	J-82	J-81	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1078	P040LLZ(2)	101	J-83	L-ECO-004	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1079	P-63	163	J-83	J-82	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1081	P040LLZ(1)(1)	19	L-ECO-003	J-84	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1082	P040LLZ(1)(2)	82	J-84	J-83	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1083	P-64	136	J-84	J-81	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1085	P134LLZ(1)	78	L-008a	J-85	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1086	P134LLZ(2)	92	J-85	L-ECO-008	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1088	P131LLZ(1)(1)	108	L-ECO-001	J-86	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1089	P131LLZ(1)(2)	64	J-86	J-80	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1090	P-65	166	J-86	L-ECO-008	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1091	P-66	170	L-ECO-001	J-85	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1093	P115LLZ(1)	71	L-007	J-87	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1094	P115LLZ(2)	67	J-87	L-008a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1095	P-67	183	L-006	J-87	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1098	P031LLZ(2)	105	J-88	L-012	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1100	P031LLZ(1)(1)	76	L-009	J-89	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1101	P031LLZ(1)(2)	122	J-89	J-88	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1103	P125LLZ(1)	74	L-010	J-90	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1104	P125LLZ(2)	93	J-90	L-010a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1105	P-68	76	J-89	J-90	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1108	P004LLZ(2)	39	J-91	L-005	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1109	P-69	76	J-88	J-91	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1111	P004LLZ(1)(1)	51	L-004	J-92	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1112	P004LLZ(1)(2)	25	J-92	J-91	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1114	P006LLZ(2)(1)	64	J-79	J-93	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1118	P006LLZ(2)(2)(1)	3	J-93	J-94	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1119	P006LLZ(2)(2)(2)	150	J-94	L-003	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1121	P037LLZ(1)	7	L-045	J-95	250.0	mPVC	110.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1122	P037LLZ(2)	145	J-95	L-041	250.0	mPVC	110.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1123	P-71	64	J-94	J-95	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1128	P-70(1)	77	J-92	J-97	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1129	P-70(2)	75	J-97	J-93	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1130	P-72	122	J-96	J-97	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1132	P005LLZ(1)(1)	58	L-003	J-98	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1133	P005LLZ(1)(2)	54	J-98	J-96	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1134	P-73	28	J-98	B-010	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1139	P028LLZ(1)	24	L-002	J-100	250.0	mPVC	110.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1140	P028LLZ(2)	126	J-100	L-045	250.0	mPVC	110.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1141	P-74	100	L-001	L-002	250.0	mPVC	110.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1142	P-75	42	L-034	J-100	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)

1301	P-146	29	J-159	J-28	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1414	P-147	58	L-ECO-004	J-80	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1415	P-176	32	B-008	L-004	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1417	P-177	56	J-96	B-008	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1418	P296HLZ(1)	12	B-012	J-196	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1477	P296HLZ(2)	79	J-196	B-002	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1478	P-193	25	B-067	J-230	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1480	P-194	27	J-230	L-017	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1481	P-195	38	B-075	J-231	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1508	P-196	42	J-231	B-076	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1509	P219HLZ(1)	61	B-007	J-221	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1551	P219HLZ(2)	28	J-221	B-008	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1552	P-142(1)	28	B-068a	J-227	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1554	P-142(2)	36	J-227	S-044a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1555	P-143(1)	25	B-068b	J-228	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1557	P-143(2)	40	J-228	S-046	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1558	P-153(1)	22	J-164	J-229	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1563	P-153(2)	37	J-229	S-047	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1564	P044LLZ(1)	28	B-068	PRV-11	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
	P044LLZ(2)	31	PRV-11	B-067	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)

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Scenario: Interim (ROL 13) - PRV
Current Time Step: 0.000 h
FlexTable: Junction Table

ID	Label	Elevation (m)	Zone	Demand (L/s)	Hydraulic Grade (m)	Pressure (m H2O)	Pressure (Maximum) (m H2O)	Pressure (Minimum) (m H2O)
246	S-003	46.00	P9	0.0209	104.71	59	61	58
1405	P9 Low Point	44.00	P9	0.0000	102.15	58	63	58
1395	P8 Low Point	46.75	P8	0.0296	104.69	58	60	58
1147	P14 - Low Point	33.00	P5	0.0458	90.67	58	61	57
250	S-038	47.10	P8	0.0030	104.69	57	60	57
238	S-037	47.25	P8	0.0296	104.69	57	59	57
236	S-039	47.35	P8	0.0296	104.69	57	59	57
1281	J-152	47.50	P8	0.0355	104.69	57	59	57
291	B-066	45.00	P9	0.0042	102.15	57	62	57
1547	P-14 DemandB	33.89	<None>	0.4263	90.85	57	60	56
130	L-1085	33.63	P5	0.0212	90.59	57	60	56
854	J-13	47.80	P8	0.0296	104.69	57	59	57
1355	J-178	35.00	P7	0.0141	91.62	56	59	55
301	L-028	35.00	P6	0.0031	91.58	56	59	55
309	L-019	34.60	P5	0.0121	91.06	56	59	56
127	L-027a	35.10	P5	0.0000	91.51	56	59	55
851	J-12	48.30	P8	0.0178	104.69	56	58	56
1288	J-155	48.35	P10	0.0213	104.70	56	58	56
253	S-040	48.35	P8	0.0148	104.69	56	58	56
1521	J-223	39.77	<None>	0.0000	96.03	56	67	56
1372	J-184	40.00	P1	0.0000	96.18	56	66	56
978	J-53	46.00	P9	0.0461	102.14	56	61	56
332	B-026	45.00	P1	0.0061	101.14	56	62	56
1441	J-205	35.25	<None>	0.0000	91.37	56	59	55
957	J-47	45.00	P2	0.0142	101.12	56	62	56
960	J-48	45.00	P2	0.0031	101.12	56	62	56
290	L-014	40.00	P6	0.0030	96.03	56	66	56
723	J-1	43.00	P5	0.0000	99.00	56	64	56
1371	J-Primary School	40.25	P1	0.0000	96.18	56	66	55
237	S-054	48.80	P8	0.0296	104.69	56	58	56
251	S-030	48.85	P8	0.0333	104.69	56	58	56
971	J-51	45.00	P1	0.0000	100.83	56	62	55
964	J-49	45.00	P1	0.0000	100.77	56	62	55
107	T-1010	40.33	P1	0.0000	96.08	56	66	55
190	B-062	46.50	P9	0.0293	102.11	55	60	55
967	J-50	45.75	P2	0.0031	101.12	55	61	55
214	B-025	46.00	P1	0.0307	101.23	55	61	55
1384	J-188	49.50	P1	0.0122	104.70	55	57	55
183	B-065	47.00	P9	0.0377	102.15	55	60	55
235	S-041	49.60	P8	0.0178	104.69	55	57	55
252	S-031	49.65	P8	0.0241	104.69	55	57	55
144	L-1000	36.60	P7	0.0070	91.62	55	57	54
1328	J-AFL maintenance shed	44.00	P1	0.0000	99.00	55	63	55
1446	J-207	36.80	<None>	0.0000	91.62	55	57	54
1364	J-180	47.00	P1	0.0000	101.77	55	60	54
243	S-044	50.00	P8	0.0304	104.70	55	57	54
258	S-029	50.00	P8	0.0626	104.69	55	57	54
255	S-032	50.00	P8	0.0210	104.69	55	57	54
106	T-1005	43.15	P5	0.0000	97.72	54	63	54
338	L-021	37.10	P6	0.0153	91.62	54	57	53
308	L-027	37.00	P5	0.0000	91.51	54	57	53
108	T-1001	46.69	P1	0.0092	101.16	54	60	54
1319	J-166	46.94	P1	0.0000	101.22	54	60	54
102	S-027a	50.50	P8	0.0503	104.70	54	56	54
1332	J-AFL Club House	47.26	P1	0.0000	101.43	54	59	54
1187	J-115	47.00	P2	0.0189	101.16	54	60	54
307	L-015	40.50	P1	0.0000	94.60	54	66	54
259	S-043	50.60	P8	0.0638	104.70	54	56	54
254	S-033	50.60	P8	0.0090	104.69	54	56	54
1324	J-168	47.51	P1	0.0000	101.58	54	59	54
113	B-058a	48.00	P9	0.0168	101.99	54	59	54
1365	J-181	47.83	P1	0.0000	101.77	54	59	54
216	B-024	47.25	P2	0.0498	101.17	54	59	54
232	I-SPORT&RECPARK	36.00	P5	10.8000	89.88	54	58	54
974	J-52	48.13	P9	0.0293	101.96	54	58	53
327	L-SCHOOL	40.50	P6	0.2273	94.28	54	66	53
93	B-025a	47.50	P1	0.0307	101.27	54	59	53
149	I-SCHOOL	40.50	P6	5.4000	94.26	54	66	53
261	S-028	51.00	P8	0.0271	104.70	54	56	53
300	L-031	38.10	P6	0.0122	91.65	53	56	52
328	L-016	40.80	P1	0.0000	94.32	53	66	53
104	B-064a	48.75	P9	0.0628	102.16	53	58	53
331	B-023	48.00	P1	0.0184	101.26	53	59	53
165	B-033	48.00	P1	0.0092	101.21	53	59	53
257	S-045	51.50	P8	0.0426	104.69	53	55	53
245	S-047	51.50	P8	0.0304	104.69	53	55	53
311	L-018	37.00	P5	0.0121	90.16	53	57	53
124	L-1050	38.50	P6	0.0214	91.66	53	56	52

282	S-027	51.80	P8	0.0210	104.70	53	55	53
184	B-056	49.50	P9	0.0335	102.30	53	57	52
954	J-46	48.50	P2	0.0425	101.17	53	58	52
1189	J-116	48.50	P2	0.0425	101.17	53	58	52
265	S-036	52.20	P8	0.0326	104.70	52	54	52
1369	J-High School	41.75	P6	0.2970	94.22	52	65	52
91	B-023b	48.82	P1	0.0460	101.29	52	58	52
1466	I-High School	41.75	P6	7.2400	94.19	52	65	52
1285	J-153	52.30	P10	0.0395	104.70	52	54	52
249	S-013	52.30	P8	0.0473	104.70	52	54	52
1026	J-68	50.00	P9	0.0293	102.30	52	57	52
212	B-022	49.00	P1	0.0123	101.26	52	58	52
293	L-SPORT&RECCLUBHOUSE	45.50	P6	0.0730	97.70	52	61	52
1498	I-Sport and Rec Irrigation Node	45.50	P6	10.8000	97.67	52	61	52
273	S-026	52.65	P8	0.0150	104.70	52	54	52
118	S-044a	52.85	P8	0.0274	104.70	52	54	52
345	L-013	38.30	P5	0.0091	90.05	52	56	52
1168	J-109	39.90	P7	0.0246	91.62	52	54	50
343	B-058	50.50	P9	0.0377	102.21	52	56	51
1304	J-161	53.00	P11	0.0000	104.71	52	54	51
157	B-020	49.50	P2	0.0531	101.13	52	57	51
1540	J-225	42.65	<None>	0.0000	94.23	51	64	51
299	L-022	40.10	P6	0.0244	91.65	51	54	50
1055	J-77	50.00	P1	0.0153	101.31	51	57	51
92	B-023a	50.00	P1	0.0153	101.29	51	57	51
167	B-034	50.00	P1	0.0123	101.29	51	57	51
882	J-23	50.01	P1	0.0184	101.28	51	57	51
247	S-002	53.50	P9	0.0487	104.71	51	53	51
260	S-025	53.50	P8	0.0572	104.70	51	53	51
256	S-046	53.50	P8	0.0304	104.69	51	53	51
981	J-54	51.00	P9	0.0503	102.17	51	56	51
885	J-24	50.25	P1	0.0123	101.28	51	56	51
326	L-017	43.25	P6	0.0061	94.20	51	63	51
123	L-1055	40.75	P6	0.0214	91.67	51	53	50
163	B-027	50.50	P1	0.0123	101.33	51	56	50
1164	J-107	40.80	P7	0.0422	91.62	51	53	50
218	B-019	50.50	P2	0.0755	101.16	51	56	50
94	B-030a	50.69	P1	0.0276	101.31	50	56	50
1268	J-149	54.10	P8	0.0326	104.70	50	53	50
1053	J-76	50.75	P1	0.0153	101.31	50	56	50
1165	J-108	41.25	P7	0.0211	91.62	50	53	49
1315	J-165	51.00	P1	0.0153	101.31	50	56	50
866	J-17	51.00	P1	0.0123	101.31	50	56	50
864	J-16	51.00	P1	0.0092	101.31	50	56	50
233	P14 Demand A	39.75	P5	0.4352	90.04	50	54	50
1462	J-213	54.50	<None>	0.0000	104.70	50	52	50
1559	J-230	44.00	<None>	0.0000	94.18	50	62	50
189	B-063	52.00	P9	0.1173	102.17	50	55	50
1265	J-148	54.67	P8	0.0237	104.70	50	52	50
889	J-25	51.25	P1	0.0123	101.26	50	55	50
1143	J-101	40.10	P5	0.0121	90.04	50	54	50
1163	J-106	41.75	P7	0.0096	91.62	50	52	49
215	B-021	51.50	P2	0.0375	101.24	50	55	49
344	B-067	44.50	P6	0.0061	94.17	50	62	49
266	S-035	55.10	P10	0.0473	104.70	49	52	49
1162	J-105	42.25	P7	0.0422	91.62	49	52	48
211	B-030	52.00	P1	0.0399	101.34	49	55	49
186	B-055	53.00	P1	0.0241	102.27	49	54	49
210	B-028	52.25	P1	0.0184	101.35	49	54	49
849	J-11	55.75	P10	0.0000	104.70	49	51	49
267	S-024	55.80	P10	0.0270	104.70	49	51	49
269	S-034	55.90	P10	0.0326	104.70	49	51	49
248	S-042	56.00	P10	0.0395	104.70	49	51	48
296	L-044	43.00	P7	0.0317	91.63	49	51	47
170	B-035	53.00	P1	0.0245	101.48	48	54	48
262	S-023	56.35	P10	0.0150	104.70	48	50	48
182	B-068	45.80	P6	0.0336	94.13	48	49	48
1059	J-78	53.03	P1	0.0215	101.34	48	54	48
342	B-043	54.00	P12	0.0018	102.22	48	53	48
271	S-022	56.50	P10	0.0150	104.70	48	50	48
1401	J-192	54.06	P12	0.0092	102.23	48	53	48
181	B-078	43.80	P6	0.0244	91.83	48	50	47
137	J-273	43.60	P7	0.0317	91.63	48	50	47
136	J-274	43.60	P7	0.0141	91.62	48	50	47
807	J-2	43.75	P7	0.0106	91.63	48	50	47
1419	J-197	53.50	P2	0.0236	101.26	48	53	47
274	S-012	57.00	P8	0.0266	104.70	48	50	47
139	L-1020	44.00	P7	0.0387	91.65	48	50	46
134	J-276	44.10	P7	0.0281	91.62	47	50	46
1153	J-103	44.25	P6	0.0550	91.69	47	50	46
203	B-044	55.00	P1	0.0111	102.41	47	52	47
305	L-033	44.30	P6	0.0183	91.70	47	50	46
138	J-272	44.25	P7	0.0317	91.62	47	50	46
208	B-029	54.00	P1	0.0184	101.35	47	53	47
1173	J-110	44.30	P7	0.0106	91.62	47	50	46
263	S-021	57.60	P10	0.0449	104.71	47	49	47
1159	J-104	44.60	P7	0.0281	91.63	47	49	46
135	J-275	44.60	P7	0.0211	91.62	47	49	46

	L-1010	44.60	P7	0.0211	91.62	47	49	46
993	J-58	54.55	P1	0.0031	101.55	47	52	47
1271	J-150	57.74	P8	0.0414	104.70	47	49	47
173	B-074	44.80	P6	0.0122	91.69	47	49	46
140	L-1015	44.75	P7	0.0106	91.62	47	49	46
185	B-057	55.50	P9	0.0419	102.37	47	51	47
209	B-031	54.50	P1	0.0276	101.36	47	52	47
336	L-042	44.80	P7	0.0246	91.62	47	49	46
842	J-8	57.90	P10	0.0182	104.71	47	49	47
295	L-024	45.00	P6	0.0122	91.70	47	49	45
141	J-269	45.00	P7	0.0176	91.68	47	49	45
950	J-45	54.50	P2	0.0755	101.15	47	52	46
333	B-041	55.00	P1	0.0061	101.65	47	52	46
143	L-1005	45.10	P7	0.0070	91.62	46	49	45
861	J-15	45.10	P7	0.0176	91.62	46	49	45
1029	J-69	55.89	P9	0.0419	102.38	46	51	46
845	J-9	58.25	P10	0.0213	104.71	46	48	46
133	J-277	45.25	P7	0.0211	91.62	46	49	45
936	J-40	54.81	P2	0.0295	101.14	46	52	46
859	J-14	45.40	P7	0.0352	91.62	46	49	45
325	B-016	55.00	P2	0.0378	101.14	46	52	46
991	J-57	55.50	P1	0.0031	101.58	46	51	46
870	J-19	55.30	P1	0.0337	101.36	46	51	46
1008	J-62	56.50	P12	0.0240	102.52	46	50	46
1033	J-70	56.49	P12	0.0129	102.47	46	50	46
83	B-055a	56.50	P9	0.0469	102.45	46	50	46
105	B-021a	55.25	P2	0.0661	101.19	46	51	46
174	L-047	46.00	P6	0.0244	91.78	46	48	45
96	B-028a	55.69	P1	0.0276	101.37	46	51	45
297	L-043	46.00	P7	0.0211	91.62	46	48	44
206	B-037	56.00	P1	0.0123	101.47	45	51	45
205	B-032	56.00	P1	0.0705	101.36	45	51	45
100	B-036a	56.00	P1	0.0491	101.32	45	51	45
1360	J-179	46.60	P6	0.0153	91.90	45	48	44
192	B-064	57.00	P9	0.0922	102.25	45	50	45
1015	J-65	57.50	P9	0.0293	102.63	45	49	45
198	B-046	57.50	P12	0.0092	102.58	45	49	45
115	B-071a	46.80	P6	0.0336	91.77	45	47	44
1019	J-66	57.75	P9	0.0251	102.65	45	49	45
95	B-031b	56.50	P1	0.0307	101.38	45	50	45
1277	J-151	59.90	P8	0.0503	104.70	45	47	45
114	S-004a	60.00	P10	0.0577	104.71	45	47	44
268	S-011	60.00	P10	0.0237	104.70	45	47	44
175	B-076	47.25	P6	0.0092	91.94	45	47	44
97	B-031a	56.76	P1	0.0460	101.37	44	50	44
199	B-047	58.00	P12	0.0111	102.56	44	49	44
1457	J-211	60.46	<None>	0.0000	104.70	44	46	44
117	B-068a	49.50	P8	0.0428	93.67	44	45	44
188	B-059	58.50	P9	0.0712	102.58	44	48	44
1022	J-67	58.75	P9	0.0209	102.79	44	48	44
176	B-073	48.25	P6	0.0580	91.90	44	46	43
112	B-055b	59.00	P9	0.0293	102.57	43	48	43
213	B-036	58.00	P1	0.0307	101.39	43	49	43
272	S-010	61.50	P10	0.0266	104.70	43	45	43
943	J-43	58.00	P2	0.0213	101.18	43	49	43
179	B-069	50.00	P8	0.0183	93.16	43	45	43
337	B-075	49.50	P6	0.0244	92.31	43	45	42
940	J-42	58.37	P2	0.0461	101.17	43	48	42
180	B-070	49.10	P6	0.0214	91.83	43	45	42
111	B-018a	58.50	P2	0.0283	101.22	43	48	42
217	B-018	58.50	P2	0.0614	101.17	43	48	42
1311	J-164	50.35	P8	0.0305	93.01	43	44	42
200	B-048	60.00	P12	0.0213	102.66	43	47	42
877	J-21	58.75	P1	0.0307	101.40	43	48	42
116	B-068b	50.75	P8	0.0153	93.37	43	44	42
1560	J-231	49.75	<None>	0.0000	92.14	42	45	42
178	B-072	49.50	P6	0.0244	91.83	42	45	41
275	S-018	62.50	P11	0.0413	104.71	42	44	42
74	S-115	62.90	P10	0.0330	104.71	42	44	42
1452	J-209	62.90	<None>	0.0000	104.70	42	44	42
947	J-44	59.79	P2	0.0330	101.17	41	47	41
153	B-077	62.00	P12	0.0168	103.26	41	45	41
219	B-017	60.00	P2	0.0283	101.17	41	47	41
76	S-105	63.90	P10	0.0486	104.71	41	43	41
75	S-110	63.90	P10	0.0334	104.71	41	43	41
280	S-009	63.90	P10	0.0296	104.71	41	43	41
838	J-7	64.00	P11	0.0413	104.71	41	43	40
172	B-042	61.00	P1	0.0190	101.65	41	46	40
101	S-008a	64.10	P10	0.0414	104.70	41	43	40
193	B-051	62.50	P12	0.0377	103.02	40	44	40
191	B-061	62.00	P9	0.0587	102.50	40	45	40
1351	J-177	63.25	P12	0.0293	103.71	40	43	40
985	J-55	62.50	P12	0.0283	102.85	40	44	40
270	S-008	64.60	P10	0.0030	104.71	40	42	40
98	B-038a	61.50	P1	0.0368	101.37	40	45	40
197	B-050	63.00	P12	0.0116	102.85	40	44	40
242	S-019	64.95	P11	0.0000	104.71	40	42	40
998	J-59	62.75	P1	0.0141	102.47	40	44	39

	J-4	65.00	P11	0.0000	104.71	40	42	39
71	823-A	67.50	P1	0.0018	107.00	39	39	39
207	B-038	62.00	P1	0.0215	101.38	39	45	39
1398	J-191	62.00	P2	0.0330	101.20	39	45	39
873	J-20	62.50	P1	0.0552	101.37	39	44	39
279	S-007	66.00	P10	0.0089	104.71	39	41	38
832	J-5	66.10	P11	0.0000	104.71	39	41	38
196	B-052	64.50	P12	0.0209	103.02	38	42	38
234	S-052	66.50	P11	0.0413	104.71	38	40	38
276	S-017	66.50	P11	0.0413	104.71	38	40	38
1005	J-61	64.43	P12	0.0332	102.54	38	42	38
1258	J-146	66.80	P10	0.0274	104.71	38	40	38
146	B-081	65.00	P12	0.0369	102.83	38	42	38
1261	J-147	66.90	P10	0.0150	104.71	38	40	38
156	S-NEIGHBOURHOODCENTRE	68.50	P12	0.2394	106.29	38	38	38
73	S-120	67.00	P11	0.0413	104.71	38	40	37
99	B-039a	64.00	P1	0.0552	101.37	37	43	37
1425	J-199	65.70	P12	0.0503	103.03	37	41	37
826	J-2	67.50	P11	0.0000	104.71	37	39	37
1001	J-60	65.75	P12	0.0240	102.64	37	41	37
283	S-006	67.90	P10	0.0151	104.71	37	39	37
187	B-060	66.00	P9	0.0335	102.55	36	41	36
202	B-045	66.00	P1	0.0055	102.48	36	41	36
1347	J-176	68.33	P10	0.0091	104.71	36	38	36
84	B-045a	66.13	P12	0.0222	102.49	36	41	36
334	S-001	68.50	P9	0.0114	104.72	36	38	36
816	A-01	68.50	P11	0.0413	104.71	36	38	36
201	B-049	66.50	P12	0.0018	102.67	36	40	36
1048	J-74	69.00	P9	0.0000	104.73	36	38	36
77	S-100	69.00	P9	0.0042	104.73	36	38	36
148	B-079	66.00	P1	0.0123	101.65	36	41	35
1037	J-71	67.10	P12	0.0055	102.74	36	40	35
264	S-004	69.10	P10	0.0091	104.72	36	38	35
989	J-56	69.00	P9	0.0000	104.61	36	38	35
1343	J-175	69.22	P10	0.0061	104.72	35	38	35
277	S-020	69.25	P11	0.0413	104.71	35	37	35
1408	J-194	69.26	P9	0.0168	104.61	35	37	35
330	S-055	71.00	P11	0.0000	106.29	35	36	35
335	S-005	69.75	P10	0.0274	104.72	35	37	35
160	S-053	69.75	P10	0.0000	104.72	35	37	35
1335	J-173	70.60	P12	0.0000	105.51	35	36	35
834	J-6	70.00	P11	0.0413	104.71	35	37	34
1041	J-72	68.25	P12	0.0314	102.76	34	38	34
204	B-039	67.00	P1	0.0153	101.37	34	40	34
828	J-3	70.50	P11	0.0000	104.71	34	36	34
70	823-B	67.50	P1	0.0000	101.65	34	39	34
1422	J-198	70.60	P11	0.0413	104.72	34	36	34
278	S-014	70.80	P11	0.0000	104.72	34	36	34
281	S-016	71.00	P11	0.0413	104.71	34	36	34
822	J-1	71.10	P11	0.0413	104.72	34	36	33
1293	J-157	69.00	P12	0.0092	102.61	34	38	33
168	B-040	68.00	P1	0.0061	101.37	33	39	33
194	B-054	70.00	P12	0.0203	102.79	33	37	33
1297	J-158	70.00	P12	0.0074	102.79	33	37	33
85	B-049a	70.00	P12	0.0129	102.77	33	37	32
1302	J-160	70.00	P12	0.0111	102.77	33	37	32
1292	J-156	70.25	P12	0.0111	102.61	32	36	32
1051	J-75	72.50	P11	0.0413	104.72	32	34	32
329	S-015	72.75	P11	0.0413	104.72	32	34	32
145	B-082	72.00	P9	0.0545	103.40	31	35	31
1044	J-73	71.62	P12	0.0314	102.80	31	35	31
195	B-053	72.60	P12	0.0092	102.90	30	34	30
1339	J-174	72.81	P12	0.0344	102.98	30	34	30
147	B-080	73.00	P12	0.0084	103.05	30	34	30
69	1227-A	79.23	P9	0.0000	106.48	27	28	27
68	1227-B	79.23	P9	0.0000	106.42	27	28	27
79	L-040a	44.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
80	L-034a	47.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
81	B-016a	53.00	P2	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
82	B-014a	46.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
86	L-ECO-008	36.95	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
87	L-ECO_007	41.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
88	L-ECO-006	37.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
89	L-010a	42.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
90	L-ECO-005	40.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
103	L-035	45.94	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
109	L-035a	39.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
110	L-008a	36.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
162	B-005	51.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
220	B-013	49.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
221	B-015	52.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
222	B-014	46.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
223	B-012	43.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
224	B-008	50.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
225	B-011	50.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
226	B-007	48.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
227	B-006	50.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
228	B-004	48.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)

	B-010	49.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
230	B-009	53.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
231	B-002	46.25	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
284	L-ECO-004	39.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
285	L-ECO-003	40.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
286	L-ECO-002	42.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
287	L-ECO-001	43.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
288	L-041	37.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
289	L-001	42.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
292	L-034	43.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
294	L-045	41.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
312	L-037	41.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
313	L-039	40.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
314	L-040	38.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
315	L-038	48.75	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
316	L-036	47.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
317	L-012	43.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
318	L-009	45.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
319	L-003	45.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
320	L-008	40.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
321	L-010	36.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
322	L-004	49.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
323	L-007	40.90	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
324	L-006	43.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
340	L-005	45.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
341	B-003	48.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
346	L-002	42.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
893	J-26	45.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
895	J-27	44.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
899	J-28	53.75	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
906	J-31	50.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
910	J-32	39.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
913	J-33	45.41	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
917	J-34	38.25	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
918	J-35	38.75	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
922	J-36	47.06	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
925	J-37	44.75	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
929	J-38	47.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
932	J-39	38.72	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1064	J-79	41.17	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1067	J-80	40.80	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1070	J-81	41.66	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1073	J-82	41.32	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1076	J-83	39.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1080	J-84	40.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1084	J-85	35.85	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1087	J-86	42.25	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1092	J-87	38.10	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1096	J-88	46.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1099	J-89	43.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1102	J-90	38.56	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1106	J-91	47.68	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1110	J-92	48.10	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1113	J-93	41.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1117	J-94	41.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1120	J-95	40.76	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1124	J-96	50.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1127	J-97	45.80	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1131	J-98	48.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1138	J-100	42.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1299	J-159	55.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1416	J-196	43.81	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1507	J-221	49.54	<None>	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1550	J-227	50.95	<None>	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1553	J-228	51.80	<None>	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1556	J-229	50.77	<None>	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)

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Scenario: Interim (ROL 13) - PRV
Current Time Step: 19.000 h
FlexTable: Junction Table

ID	Label	Elevation (m)	Zone	Demand (L/s)	Hydraulic Grade (m)	Pressure (m H2O)	Pressure (Maximum) (m H2O)	Pressure (Minimum) (m H2O)
1521	J-223	39.77	<None>	0.0000	104.85	65	67	56
1372	J-184	40.00	P1	0.0000	104.87	65	66	56
290	L-014	40.00	P6	0.0099	104.85	65	66	56
1371	J-Primary School	40.25	P1	0.0000	104.87	64	66	55
107	T-1010	40.33	P1	0.0000	104.86	64	66	55
307	L-015	40.50	P1	0.0000	104.63	64	66	54
149	I-SCHOOL	40.50	P6	0.0000	104.59	64	66	53
327	L-SCHOOL	40.50	P6	0.2592	104.59	64	66	53
328	L-016	40.80	P1	0.0000	104.59	64	66	53
1369	J-High School	41.75	P6	0.3388	104.58	63	65	52
1466	I-High School	41.75	P6	0.0000	104.58	63	65	52
723	J-1	43.00	P5	0.0000	105.10	62	64	56
106	T-1005	43.15	P5	0.0000	105.03	62	63	54
1540	J-225	42.65	<None>	0.0000	104.39	62	64	51
1405	P9 Low Point	44.00	P9	0.0000	105.30	61	63	58
1328	J-AFL maintenance shed	44.00	P1	0.0000	105.10	61	63	55
326	L-017	43.25	P6	0.0199	104.33	61	63	51
291	B-066	45.00	P9	0.0139	105.30	60	62	57
1559	J-230	44.00	<None>	0.0000	104.29	60	62	50
332	B-026	45.00	P1	0.0200	105.22	60	62	56
960	J-48	45.00	P2	0.0100	105.22	60	62	56
957	J-47	45.00	P2	0.0474	105.22	60	62	56
971	J-51	45.00	P1	0.0000	105.21	60	62	55
964	J-49	45.00	P1	0.0000	105.20	60	62	55
246	S-003	46.00	P9	0.0694	105.80	60	61	58
344	B-067	44.50	P6	0.0199	104.26	60	62	49
293	L-SPORT&RECCLUBHOUSE	45.50	P6	0.0840	105.03	59	61	52
1498	I-Sport and Rec Irrigation Node	45.50	P6	0.0000	105.03	59	61	52
967	J-50	45.75	P2	0.0100	105.22	59	61	55
978	J-53	46.00	P9	0.1526	105.30	59	61	56
214	B-025	46.00	P1	0.0998	105.22	59	61	55
1395	P8 Low Point	46.75	P8	0.0987	105.68	59	60	58
190	B-062	46.50	P9	0.0971	105.31	59	60	55
250	S-038	47.10	P8	0.0099	105.69	58	60	57
108	T-1001	46.69	P1	0.0299	105.22	58	60	54
238	S-037	47.25	P8	0.0987	105.69	58	59	57
236	S-039	47.35	P8	0.0987	105.68	58	59	57
183	B-065	47.00	P9	0.1248	105.30	58	60	55
1319	J-166	46.94	P1	0.0000	105.24	58	60	54
1364	J-180	47.00	P1	0.0000	105.29	58	60	54
1187	J-115	47.00	P2	0.0631	105.19	58	60	54
1281	J-152	47.50	P8	0.1185	105.68	58	59	57
1332	J-AFL Club House	47.26	P1	0.0000	105.26	58	59	54
216	B-024	47.25	P2	0.1646	105.21	58	59	54
854	J-13	47.80	P8	0.0987	105.68	58	59	57
1324	J-168	47.51	P1	0.0000	105.27	58	59	54
93	B-025a	47.50	P1	0.0998	105.22	58	59	53
1365	J-181	47.83	P1	0.0000	105.29	57	59	54
851	J-12	48.30	P8	0.0592	105.68	57	58	56
1288	J-155	48.35	P10	0.0697	105.73	57	58	56
253	S-040	48.35	P8	0.0494	105.68	57	58	56
113	B-058a	48.00	P9	0.0555	105.31	57	59	54
165	B-033	48.00	P1	0.0299	105.23	57	59	53
331	B-023	48.00	P1	0.0599	105.22	57	59	53
974	J-52	48.13	P9	0.0971	105.31	57	58	53
1147	P14 - Low Point	33.00	P5	0.1564	90.15	57	61	57
237	S-054	48.80	P8	0.0987	105.68	57	58	56
251	S-030	48.85	P8	0.1093	105.68	57	58	56
954	J-46	48.50	P2	0.1421	105.20	57	58	52
1189	J-116	48.50	P2	0.1421	105.20	57	58	52
104	B-064a	48.75	P9	0.2081	105.30	56	58	53
130	L-1085	33.63	P5	0.0696	90.15	56	60	56
91	B-023b	48.82	P1	0.1497	105.22	56	58	52
1547	P-14 DemandB	33.89	<None>	1.4359	90.15	56	60	56
1384	J-188	49.50	P1	0.0398	105.73	56	57	55
212	B-022	49.00	P1	0.0399	105.22	56	58	52
235	S-041	49.60	P8	0.0592	105.68	56	57	55
252	S-031	49.65	P8	0.0794	105.68	56	57	55
184	B-056	49.50	P9	0.1110	105.38	56	57	52
243	S-044	50.00	P8	0.0995	105.72	56	57	54
157	B-020	49.50	P2	0.1776	105.21	56	57	51
258	S-029	50.00	P8	0.2078	105.69	56	57	54
255	S-032	50.00	P8	0.0694	105.68	56	57	54
309	L-019	34.60	P5	0.0398	90.25	56	59	56
301	L-028	35.00	P6	0.0100	90.49	55	59	55
1355	J-178	35.00	P7	0.0473	90.48	55	59	55
1026	J-68	50.00	P9	0.0971	105.39	55	57	52
127	L-027a	35.10	P5	0.0000	90.45	55	59	55

167	B-034	50.00	P1	0.0399	105.24	55	57	51
1055	J-77	50.00	P1	0.0499	105.22	55	57	51
92	B-023a	50.00	P1	0.0499	105.22	55	57	51
882	J-23	50.01	P1	0.0599	105.22	55	57	51
102	S-027a	50.50	P8	0.1679	105.71	55	56	54
259	S-043	50.60	P8	0.2090	105.75	55	56	54
1441	J-205	35.25	<None>	0.0000	90.39	55	59	55
254	S-033	50.60	P8	0.0298	105.68	55	56	54
885	J-24	50.25	P1	0.0399	105.22	55	56	51
343	B-058	50.50	P9	0.1248	105.36	55	56	51
163	B-027	50.50	P1	0.0399	105.22	55	56	50
261	S-028	51.00	P8	0.0893	105.71	55	56	53
218	B-019	50.50	P2	0.2526	105.19	55	56	50
94	B-030a	50.69	P1	0.0898	105.22	54	56	50
1053	J-76	50.75	P1	0.0499	105.22	54	56	50
981	J-54	51.00	P9	0.1665	105.31	54	56	51
1315	J-165	51.00	P1	0.0499	105.24	54	56	50
866	J-17	51.00	P1	0.0399	105.22	54	56	50
864	J-16	51.00	P1	0.0299	105.22	54	56	50
257	S-045	51.50	P8	0.1394	105.68	54	55	53
245	S-047	51.50	P8	0.0995	105.68	54	55	53
232	I-SPORT&RECPARK	36.00	P5	0.0000	90.15	54	58	54
889	J-25	51.25	P1	0.0399	105.22	54	55	50
282	S-027	51.80	P8	0.0694	105.72	54	55	53
144	L-1000	36.60	P7	0.0236	90.48	54	57	54
215	B-021	51.50	P2	0.1246	105.22	54	55	49
1446	J-207	36.80	<None>	0.0000	90.48	54	57	54
265	S-036	52.20	P8	0.1086	105.75	53	54	52
308	L-027	37.00	P5	0.0000	90.45	53	57	53
1285	J-153	52.30	P10	0.1294	105.72	53	54	52
249	S-013	52.30	P8	0.1580	105.71	53	54	52
338	L-021	37.10	P6	0.0498	90.49	53	57	53
189	B-063	52.00	P9	0.3884	105.31	53	55	50
211	B-030	52.00	P1	0.1297	105.22	53	55	49
311	L-018	37.00	P5	0.0398	90.15	53	57	53
273	S-026	52.65	P8	0.0496	105.75	53	54	52
210	B-028	52.25	P1	0.0599	105.22	53	54	49
118	S-044a	52.85	P8	0.0896	105.71	53	54	52
1304	J-161	53.00	P11	0.0000	105.81	53	54	51
300	L-031	38.10	P6	0.0399	90.56	52	56	52
186	B-055	53.00	P1	0.0795	105.39	52	54	49
247	S-002	53.50	P9	0.1607	105.80	52	53	51
170	B-035	53.00	P1	0.0798	105.27	52	54	48
260	S-025	53.50	P8	0.1886	105.75	52	53	51
1059	J-78	53.03	P1	0.0699	105.22	52	54	48
256	S-046	53.50	P8	0.0995	105.68	52	53	51
124	L-1050	38.50	P6	0.0698	90.57	52	56	52
345	L-013	38.30	P5	0.0298	90.15	52	56	52
1419	J-197	53.50	P2	0.0789	105.22	52	53	47
1268	J-149	54.10	P8	0.1086	105.75	52	53	50
342	B-043	54.00	P12	0.0060	105.39	51	53	48
1401	J-192	54.06	P12	0.0300	105.39	51	53	48
208	B-029	54.00	P1	0.0599	105.22	51	53	47
1462	J-213	54.50	<None>	0.0000	105.71	51	52	50
1265	J-148	54.67	P8	0.0790	105.75	51	52	50
993	J-58	54.55	P1	0.0100	105.27	51	52	47
209	B-031	54.50	P1	0.0898	105.22	51	52	47
950	J-45	54.50	P2	0.2526	105.20	51	52	46
266	S-035	55.10	P10	0.1580	105.76	51	52	49
1168	J-109	39.90	P7	0.0827	90.47	50	54	50
299	L-022	40.10	P6	0.0797	90.54	50	54	50
203	B-044	55.00	P1	0.0360	105.42	50	52	47
233	P14 Demand A	39.75	P5	1.4725	90.15	50	54	50
936	J-40	54.81	P2	0.0987	105.20	50	52	46
333	B-041	55.00	P1	0.0200	105.29	50	52	46
325	B-016	55.00	P2	0.1263	105.20	50	52	46
1143	J-101	40.10	P5	0.0398	90.15	50	54	50
849	J-11	55.75	P10	0.0000	105.77	50	51	49
267	S-024	55.80	P10	0.0893	105.77	50	51	49
105	B-021a	55.25	P2	0.2210	105.20	50	51	46
870	J-19	55.30	P1	0.1098	105.22	50	51	46
185	B-057	55.50	P9	0.1387	105.40	50	51	47
269	S-034	55.90	P10	0.1086	105.77	50	51	49
123	L-1055	40.75	P6	0.0698	90.59	50	53	50
991	J-57	55.50	P1	0.0100	105.28	50	51	46
248	S-042	56.00	P10	0.1294	105.77	50	51	48
1164	J-107	40.80	P7	0.1418	90.47	50	53	50
96	B-028a	55.69	P1	0.0898	105.23	49	51	45
1029	J-69	55.89	P9	0.1387	105.40	49	51	46
182	B-068	45.80	P6	0.1097	95.27	49	49	48
262	S-023	56.35	P10	0.0496	105.78	49	50	48
271	S-022	56.50	P10	0.0495	105.79	49	50	48
206	B-037	56.00	P1	0.0399	105.25	49	51	45
100	B-036a	56.00	P1	0.1597	105.23	49	51	45
1165	J-108	41.25	P7	0.0709	90.47	49	53	49
205	B-032	56.00	P1	0.2296	105.22	49	51	45
1033	J-70	56.49	P12	0.0420	105.44	49	50	46
1008	J-62	56.50	P12	0.0779	105.44	49	50	46

	B-055a	56.50	P9	0.1548	105.43	49	50	46
95	B-031b	56.50	P1	0.0998	105.23	49	50	45
274	S-012	57.00	P8	0.0889	105.72	49	50	47
1163	J-106	41.75	P7	0.0318	90.47	49	52	49
97	B-031a	56.76	P1	0.1497	105.23	48	50	44
192	B-064	57.00	P9	0.3052	105.32	48	50	45
1162	J-105	42.25	P7	0.1418	90.47	48	52	48
263	S-021	57.60	P10	0.1487	105.80	48	49	47
1271	J-150	57.74	P8	0.1382	105.75	48	49	47
198	B-046	57.50	P12	0.0300	105.46	48	49	45
1015	J-65	57.50	P9	0.0971	105.44	48	49	45
842	J-8	57.90	P10	0.0597	105.79	48	49	47
1019	J-66	57.75	P9	0.0832	105.44	48	49	45
845	J-9	58.25	P10	0.0697	105.79	47	48	46
296	L-044	43.00	P7	0.1063	90.47	47	51	47
199	B-047	58.00	P12	0.0360	105.45	47	49	44
213	B-036	58.00	P1	0.0998	105.23	47	49	43
943	J-43	58.00	P2	0.0711	105.20	47	49	43
181	B-078	43.80	P6	0.0797	90.81	47	50	47
188	B-059	58.50	P9	0.2358	105.42	47	48	44
137	J-273	43.60	P7	0.1063	90.46	47	50	47
136	J-274	43.60	P7	0.0473	90.46	47	50	47
940	J-42	58.37	P2	0.1540	105.20	47	48	42
1022	J-67	58.75	P9	0.0694	105.49	47	48	44
807	J-2	43.75	P7	0.0354	90.48	47	50	47
111	B-018a	58.50	P2	0.0947	105.20	47	48	42
217	B-018	58.50	P2	0.2052	105.20	47	48	42
139	L-1020	44.00	P7	0.1300	90.51	46	50	46
877	J-21	58.75	P1	0.0998	105.23	46	48	42
112	B-055b	59.00	P9	0.0971	105.44	46	48	43
134	J-276	44.10	P7	0.0945	90.46	46	50	46
1153	J-103	44.25	P6	0.1794	90.60	46	50	46
305	L-033	44.30	P6	0.0598	90.63	46	50	46
138	J-272	44.25	P7	0.1063	90.46	46	50	46
1173	J-110	44.30	P7	0.0354	90.47	46	50	46
1159	J-104	44.60	P7	0.0945	90.47	46	49	46
142	L-1010	44.60	P7	0.0709	90.47	46	49	46
1277	J-151	59.90	P8	0.1679	105.77	46	47	45
135	J-275	44.60	P7	0.0709	90.46	46	49	46
114	S-004a	60.00	P10	0.1891	105.80	46	47	44
173	B-074	44.80	P6	0.0399	90.60	46	49	46
268	S-011	60.00	P10	0.0790	105.75	46	47	44
140	L-1015	44.75	P7	0.0354	90.47	46	49	46
336	L-042	44.80	P7	0.0827	90.47	46	49	46
295	L-024	45.00	P6	0.0399	90.61	45	49	45
141	J-269	45.00	P7	0.0591	90.56	45	49	45
200	B-048	60.00	P12	0.0697	105.47	45	47	42
947	J-44	59.79	P2	0.1105	105.20	45	47	41
861	J-15	45.10	P7	0.0591	90.47	45	49	45
143	L-1005	45.10	P7	0.0236	90.47	45	49	45
1457	J-211	60.46	<None>	0.0000	105.76	45	46	44
133	J-277	45.25	P7	0.0709	90.46	45	49	45
219	B-017	60.00	P2	0.0947	105.20	45	47	41
859	J-14	45.40	P7	0.1181	90.46	45	49	45
117	B-068a	49.50	P8	0.1396	94.34	45	45	44
174	L-047	46.00	P6	0.0797	90.74	45	48	45
297	L-043	46.00	P7	0.0709	90.46	44	48	44
1360	J-179	46.60	P6	0.0498	90.94	44	48	44
172	B-042	61.00	P1	0.0619	105.29	44	46	40
272	S-010	61.50	P10	0.0889	105.77	44	45	43
115	B-071a	46.80	P6	0.1097	90.72	44	47	44
175	B-076	47.25	P6	0.0299	91.02	44	47	44
98	B-038a	61.50	P1	0.1198	105.23	44	45	40
153	B-077	62.00	P12	0.0555	105.62	44	45	41
191	B-061	62.00	P9	0.1942	105.39	43	45	40
179	B-069	50.00	P8	0.0598	93.34	43	45	43
275	S-018	62.50	P11	0.1381	105.83	43	44	42
207	B-038	62.00	P1	0.0699	105.23	43	45	39
1398	J-191	62.00	P2	0.1105	105.20	43	45	39
193	B-051	62.50	P12	0.1248	105.56	43	44	40
985	J-55	62.50	P12	0.0933	105.50	43	44	40
116	B-068b	50.75	P8	0.0498	93.73	43	44	42
74	S-115	62.90	P10	0.1090	105.82	43	44	42
1452	J-209	62.90	<None>	0.0000	105.78	43	44	42
873	J-20	62.50	P1	0.1797	105.23	43	44	39
176	B-073	48.25	P6	0.1894	90.94	43	46	43
1311	J-164	50.35	P8	0.0997	93.04	43	44	42
998	J-59	62.75	P1	0.0460	105.43	43	44	39
197	B-050	63.00	P12	0.0379	105.50	42	44	40
1351	J-177	63.25	P12	0.0971	105.73	42	43	40
337	B-075	49.50	P6	0.0797	91.71	42	45	42
76	S-105	63.90	P10	0.1593	105.83	42	43	41
75	S-110	63.90	P10	0.1095	105.82	42	43	41
280	S-009	63.90	P10	0.0987	105.80	42	43	41
838	J-7	64.00	P11	0.1381	105.83	42	43	40
180	B-070	49.10	P6	0.0698	90.81	42	45	42
101	S-008a	64.10	P10	0.1382	105.78	42	43	40
1560	J-231	49.75	<None>	0.0000	91.39	42	45	42

	B-072	49.50	P6	0.0797	90.81	41	45	41
99	B-039a	64.00	P1	0.1797	105.23	41	43	37
270	S-008	64.60	P10	0.0099	105.80	41	42	40
196	B-052	64.50	P12	0.0694	105.56	41	42	38
1005	J-61	64.43	P12	0.1079	105.44	41	42	38
242	S-019	64.95	P11	0.0000	105.81	41	42	40
830	J-4	65.00	P11	0.0000	105.83	41	42	39
146	B-081	65.00	P12	0.1199	105.49	40	42	38
1425	J-199	65.70	P12	0.1665	105.56	40	41	37
279	S-007	66.00	P10	0.0296	105.81	40	41	38
832	J-5	66.10	P11	0.0000	105.84	40	41	38
1001	J-60	65.75	P12	0.0779	105.46	40	41	37
71	823-A	67.50	P1	0.0060	107.00	39	39	39
202	B-045	66.00	P1	0.0180	105.43	39	41	36
187	B-060	66.00	P9	0.1110	105.41	39	41	36
234	S-052	66.50	P11	0.1381	105.83	39	40	38
276	S-017	66.50	P11	0.1381	105.83	39	40	38
84	B-045a	66.13	P12	0.0720	105.43	39	41	36
148	B-079	66.00	P1	0.0399	105.29	39	41	35
1258	J-146	66.80	P10	0.0896	105.87	39	40	38
201	B-049	66.50	P12	0.0060	105.46	39	40	36
1261	J-147	66.90	P10	0.0496	105.84	39	40	38
73	S-120	67.00	P11	0.1381	105.84	39	40	37
826	J-2	67.50	P11	0.0000	105.88	38	39	37
1037	J-71	67.10	P12	0.0180	105.47	38	40	35
204	B-039	67.00	P1	0.0499	105.23	38	40	34
156	S-NEIGHBOURHOODCENTRE	68.50	P12	0.2812	106.68	38	38	38
283	S-006	67.90	P10	0.0497	105.85	38	39	37
70	823-B	67.50	P1	0.0000	105.29	38	39	34
1347	J-176	68.33	P10	0.0299	105.86	37	38	36
334	S-001	68.50	P9	0.0377	105.97	37	38	36
816	A-01	68.50	P11	0.1381	105.88	37	38	36
168	B-040	68.00	P1	0.0200	105.23	37	39	33
1041	J-72	68.25	P12	0.1019	105.47	37	38	34
1048	J-74	69.00	P9	0.0000	105.99	37	38	36
77	S-100	69.00	P9	0.0139	105.98	37	38	36
989	J-56	69.00	P9	0.0000	105.96	37	38	35
264	S-004	69.10	P10	0.0299	105.93	37	38	35
1408	J-194	69.26	P9	0.0555	105.96	37	37	35
1343	J-175	69.22	P10	0.0199	105.92	37	38	35
277	S-020	69.25	P11	0.1381	105.84	36	37	35
1293	J-157	69.00	P12	0.0300	105.45	36	38	33
335	S-005	69.75	P10	0.0896	105.90	36	37	35
160	S-053	69.75	P10	0.0000	105.90	36	37	35
834	J-6	70.00	P11	0.1381	105.85	36	37	34
1335	J-173	70.60	P12	0.0000	106.34	36	36	35
330	S-055	71.00	P11	0.0000	106.68	36	36	35
194	B-054	70.00	P12	0.0660	105.48	35	37	33
1297	J-158	70.00	P12	0.0240	105.48	35	37	33
85	B-049a	70.00	P12	0.0420	105.47	35	37	32
1302	J-160	70.00	P12	0.0360	105.47	35	37	32
828	J-3	70.50	P11	0.0000	105.88	35	36	34
1422	J-198	70.60	P11	0.1381	105.88	35	36	34
1292	J-156	70.25	P12	0.0360	105.45	35	36	32
278	S-014	70.80	P11	0.0000	105.88	35	36	34
281	S-016	71.00	P11	0.1381	105.88	35	36	34
822	J-1	71.10	P11	0.1381	105.88	35	36	33
1044	J-73	71.62	P12	0.1019	105.48	34	35	31
145	B-082	72.00	P9	0.1803	105.64	34	35	31
1051	J-75	72.50	P11	0.1381	105.88	33	34	32
329	S-015	72.75	P11	0.1381	105.88	33	34	32
195	B-053	72.60	P12	0.0300	105.51	33	34	30
1339	J-174	72.81	P12	0.1132	105.53	33	34	30
147	B-080	73.00	P12	0.0277	105.55	32	34	30
69	1227-A	79.23	P9	0.0000	106.77	27	28	27
68	1227-B	79.23	P9	0.0000	106.74	27	28	27
79	L-040a	44.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
80	L-034a	47.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
81	B-016a	53.00	P2	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
82	B-014a	46.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
86	L-ECO-008	36.95	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
87	L-ECO_007	41.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
88	L-ECO-006	37.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
89	L-010a	42.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
90	L-ECO-005	40.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
103	L-035	45.94	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
109	L-035a	39.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
110	L-008a	36.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
162	B-005	51.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
220	B-013	49.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
221	B-015	52.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
222	B-014	46.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
223	B-012	43.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
224	B-008	50.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
225	B-011	50.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
226	B-007	48.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
227	B-006	50.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
228	B-004	48.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)

	B-010	49.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
230	B-009	53.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
231	B-002	46.25	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
284	L-ECO-004	39.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
285	L-ECO-003	40.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
286	L-ECO-002	42.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
287	L-ECO-001	43.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
288	L-041	37.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
289	L-001	42.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
292	L-034	43.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
294	L-045	41.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
312	L-037	41.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
313	L-039	40.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
314	L-040	38.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
315	L-038	48.75	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
316	L-036	47.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
317	L-012	43.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
318	L-009	45.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
319	L-003	45.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
320	L-008	40.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
321	L-010	36.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
322	L-004	49.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
323	L-007	40.90	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
324	L-006	43.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
340	L-005	45.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
341	B-003	48.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
346	L-002	42.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
893	J-26	45.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
895	J-27	44.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
899	J-28	53.75	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
906	J-31	50.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
910	J-32	39.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
913	J-33	45.41	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
917	J-34	38.25	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
918	J-35	38.75	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
922	J-36	47.06	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
925	J-37	44.75	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
929	J-38	47.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
932	J-39	38.72	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1064	J-79	41.17	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1067	J-80	40.80	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1070	J-81	41.66	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1073	J-82	41.32	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1076	J-83	39.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1080	J-84	40.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1084	J-85	35.85	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1087	J-86	42.25	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1092	J-87	38.10	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1096	J-88	46.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1099	J-89	43.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1102	J-90	38.56	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1106	J-91	47.68	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1110	J-92	48.10	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1113	J-93	41.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1117	J-94	41.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1120	J-95	40.76	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1124	J-96	50.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1127	J-97	45.80	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1131	J-98	48.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1138	J-100	42.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1299	J-159	55.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1416	J-196	43.81	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1507	J-221	49.54	<None>	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1550	J-227	50.95	<None>	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1553	J-228	51.80	<None>	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1556	J-229	50.77	<None>	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)

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Scenario: Interim (ROL 13) - PRV Firefighting FLOW
Current Time Step: 15.500 h
FlexTable: Junction Table

ID	Label	Elevation (m)	Zone	Demand (L/s)	Hydraulic Grade (m)	Pressure (m H2O)	Pressure (Maximum) (m H2O)	Pressure (Minimum) (m H2O)
1521	J-223	39.77	<None>	0.0000	100.93	61	67	56
1372	J-184	40.00	P1	0.0000	101.07	61	66	56
290	L-014	40.00	P6	0.0075	100.93	61	66	56
1371	J-Primary School	40.25	P1	0.0000	101.07	61	66	55
107	T-1010	40.33	P1	0.0000	101.00	61	66	55
307	L-015	40.50	P1	0.0000	100.45	60	66	54
149	I-SCHOOL	40.50	P6	0.0000	100.35	60	66	53
327	L-SCHOOL	40.50	P6	0.3984	100.35	60	66	53
1405	P9 Low Point	44.00	P9	0.0000	103.77	60	63	58
723	J-1	43.00	P5	0.0000	102.60	59	64	56
328	L-016	40.80	P1	0.0000	100.35	59	66	53
246	S-003	46.00	P9	0.0525	105.20	59	61	58
106	T-1005	43.15	P5	0.0000	102.13	59	63	54
291	B-066	45.00	P9	0.0105	103.77	59	62	57
1369	J-High School	41.75	P6	0.5212	100.35	58	65	52
1466	I-High School	41.75	P6	0.0000	100.35	58	65	52
1328	J-AFL maintenance shed	44.00	P1	0.0000	102.60	58	63	55
1395	P8 Low Point	46.75	P8	0.0747	105.13	58	60	58
332	B-026	45.00	P1	0.0152	103.37	58	62	56
960	J-48	45.00	P2	0.0076	103.36	58	62	56
957	J-47	45.00	P2	0.0358	103.36	58	62	56
971	J-51	45.00	P1	0.0000	103.26	58	62	55
964	J-49	45.00	P1	0.0000	103.24	58	62	55
250	S-038	47.10	P8	0.0075	105.13	58	60	57
238	S-037	47.25	P8	0.0747	105.13	58	59	57
236	S-039	47.35	P8	0.0747	105.13	58	59	57
978	J-53	46.00	P9	0.1155	103.77	58	61	56
1281	J-152	47.50	P8	0.0896	105.13	57	59	57
967	J-50	45.75	P2	0.0076	103.36	57	61	55
214	B-025	46.00	P1	0.0758	103.40	57	61	55
854	J-13	47.80	P8	0.0747	105.13	57	59	57
190	B-062	46.50	P9	0.0735	103.76	57	60	55
1540	J-225	42.65	<None>	0.0000	99.88	57	64	51
851	J-12	48.30	P8	0.0448	105.13	57	58	56
1288	J-155	48.35	P10	0.0528	105.16	57	58	56
253	S-040	48.35	P8	0.0373	105.13	57	58	56
183	B-065	47.00	P9	0.0945	103.77	57	60	55
108	T-1001	46.69	P1	0.0227	103.38	57	60	54
1364	J-180	47.00	P1	0.0000	103.65	57	60	54
293	L-SPORT&RECCLUBHOUSE	45.50	P6	0.1320	102.13	56	61	52
1498	I-Sport and Rec Irrigation Node	45.50	P6	0.0000	102.13	56	61	52
1319	J-166	46.94	P1	0.0000	103.43	56	60	54
326	L-017	43.25	P6	0.0151	99.73	56	63	51
1187	J-115	47.00	P2	0.0477	103.36	56	60	54
237	S-054	48.80	P8	0.0747	105.13	56	58	56
251	S-030	48.85	P8	0.0829	105.13	56	58	56
1332	J-AFL Club House	47.26	P1	0.0000	103.51	56	59	54
216	B-024	47.25	P2	0.1246	103.37	56	59	54
1324	J-168	47.51	P1	0.0000	103.57	56	59	54
93	B-025a	47.50	P1	0.0758	103.41	56	59	53
1365	J-181	47.83	P1	0.0000	103.65	56	59	54
113	B-058a	48.00	P9	0.0420	103.74	56	59	54
1384	J-188	49.50	P1	0.0302	105.16	56	57	55
1559	J-230	44.00	<None>	0.0000	99.64	55	62	50
974	J-52	48.13	P9	0.0735	103.73	55	58	53
235	S-041	49.60	P8	0.0448	105.13	55	57	55
252	S-031	49.65	P8	0.0602	105.13	55	57	55
165	B-033	48.00	P1	0.0227	103.41	55	59	53
331	B-023	48.00	P1	0.0455	103.40	55	59	53
243	S-044	50.00	P8	0.0755	105.15	55	57	54
258	S-029	50.00	P8	0.1573	105.13	55	57	54
255	S-032	50.00	P8	0.0526	105.13	55	57	54
344	B-067	44.50	P6	0.0151	99.55	55	62	49
104	B-064a	48.75	P9	0.1576	103.77	55	58	53
954	J-46	48.50	P2	0.1074	103.37	55	58	52
1189	J-116	48.50	P2	0.1074	103.37	55	58	52
102	S-027a	50.50	P8	0.1270	105.14	55	56	54
91	B-023b	48.82	P1	0.1136	103.42	54	58	52
259	S-043	50.60	P8	0.1585	105.17	54	56	54
254	S-033	50.60	P8	0.0226	105.13	54	56	54
184	B-056	49.50	P9	0.0840	103.91	54	57	52
212	B-022	49.00	P1	0.0303	103.40	54	58	52
261	S-028	51.00	P8	0.0677	105.14	54	56	53
232	I-SPORT&RECPARK	36.00	P5	0.0000	89.99	54	58	54
1026	J-68	50.00	P9	0.0735	103.92	54	57	52
157	B-020	49.50	P2	0.1343	103.36	54	57	51
257	S-045	51.50	P8	0.1057	105.13	53	55	53
245	S-047	51.50	P8	0.0755	105.13	53	55	53

167	B-034	50.00	P1	0.0303	103.44	53	57	51
1055	J-77	50.00	P1	0.0379	103.42	53	57	51
92	B-023a	50.00	P1	0.0379	103.42	53	57	51
882	J-23	50.01	P1	0.0455	103.41	53	57	51
343	B-058	50.50	P9	0.0945	103.86	53	56	51
282	S-027	51.80	P8	0.0526	105.15	53	55	53
885	J-24	50.25	P1	0.0303	103.41	53	56	51
265	S-036	52.20	P8	0.0822	105.17	53	54	52
163	B-027	50.50	P1	0.0303	103.43	53	56	50
218	B-019	50.50	P2	0.1910	103.36	53	56	50
1285	J-153	52.30	P10	0.0981	105.15	53	54	52
249	S-013	52.30	P8	0.1195	105.14	53	54	52
981	J-54	51.00	P9	0.1260	103.78	53	56	51
94	B-030a	50.69	P1	0.0682	103.42	53	56	50
1053	J-76	50.75	P1	0.0379	103.42	53	56	50
273	S-026	52.65	P8	0.0376	105.17	52	54	52
1315	J-165	51.00	P1	0.0379	103.45	52	56	50
866	J-17	51.00	P1	0.0303	103.42	52	56	50
864	J-16	51.00	P1	0.0227	103.42	52	56	50
118	S-044a	52.85	P8	0.0679	105.15	52	54	52
1304	J-161	53.00	P11	0.0000	105.21	52	54	51
889	J-25	51.25	P1	0.0303	103.40	52	55	50
215	B-021	51.50	P2	0.0943	103.40	52	55	49
189	B-063	52.00	P9	0.2941	103.78	52	55	50
247	S-002	53.50	P9	0.1218	105.20	52	53	51
260	S-025	53.50	P8	0.1429	105.17	52	53	51
256	S-046	53.50	P8	0.0755	105.13	51	53	51
345	L-013	38.30	P5	0.0226	89.90	51	56	51
211	B-030	52.00	P1	0.0985	103.44	51	55	49
210	B-028	52.25	P1	0.0455	103.44	51	54	49
1268	J-149	54.10	P8	0.0822	105.17	51	53	50
186	B-055	53.00	P1	0.0602	103.91	51	54	49
311	L-018	37.00	P5	0.0302	87.71	51	57	51
1462	J-213	54.50	<None>	0.0000	105.15	51	52	50
170	B-035	53.00	P1	0.0606	103.53	50	54	48
1265	J-148	54.67	P8	0.0598	105.17	50	52	50
1059	J-78	53.03	P1	0.0530	103.44	50	54	48
233	P14 Demand A	39.75	P5	1.1117	89.97	50	54	50
266	S-035	55.10	P10	0.1195	105.18	50	52	49
1419	J-197	53.50	P2	0.0597	103.40	50	53	47
342	B-043	54.00	P12	0.0046	103.89	50	53	48
1143	J-101	40.10	P5	0.0302	89.99	50	54	50
1401	J-192	54.06	P12	0.0228	103.90	50	53	48
208	B-029	54.00	P1	0.0455	103.44	49	53	47
849	J-11	55.75	P10	0.0000	105.18	49	51	49
182	B-068	45.80	P6	0.0832	95.21	49	49	48
267	S-024	55.80	P10	0.0676	105.19	49	51	49
269	S-034	55.90	P10	0.0822	105.18	49	51	49
248	S-042	56.00	P10	0.0981	105.19	49	51	48
993	J-58	54.55	P1	0.0076	103.56	49	52	47
203	B-044	55.00	P1	0.0273	103.99	49	52	47
209	B-031	54.50	P1	0.0682	103.45	49	52	47
950	J-45	54.50	P2	0.1910	103.36	49	52	46
262	S-023	56.35	P10	0.0376	105.19	49	50	48
271	S-022	56.50	P10	0.0375	105.19	49	50	48
333	B-041	55.00	P1	0.0152	103.61	48	52	46
936	J-40	54.81	P2	0.0746	103.36	48	52	46
185	B-057	55.50	P9	0.1050	103.95	48	51	47
325	B-016	55.00	P2	0.0955	103.36	48	52	46
274	S-012	57.00	P8	0.0672	105.16	48	50	47
870	J-19	55.30	P1	0.0833	103.45	48	51	46
105	B-021a	55.25	P2	0.1671	103.37	48	51	46
991	J-57	55.50	P1	0.0076	103.58	48	51	46
1029	J-69	55.89	P9	0.1050	103.96	48	51	46
96	B-028a	55.69	P1	0.0682	103.45	48	51	45
263	S-021	57.60	P10	0.1126	105.20	47	49	47
1008	J-62	56.50	P12	0.0592	104.05	47	50	46
1033	J-70	56.49	P12	0.0319	104.03	47	50	46
1355	J-178	35.00	P7	0.0357	82.52	47	59	47
206	B-037	56.00	P1	0.0303	103.51	47	51	45
83	B-055a	56.50	P9	0.1173	104.01	47	50	46
205	B-032	56.00	P1	0.1742	103.44	47	51	45
100	B-036a	56.00	P1	0.1212	103.43	47	51	45
1271	J-150	57.74	P8	0.1046	105.17	47	49	47
301	L-028	35.00	P6	0.0076	82.34	47	59	47
842	J-8	57.90	P10	0.0453	105.20	47	49	47
95	B-031b	56.50	P1	0.0758	103.45	47	50	45
845	J-9	58.25	P10	0.0528	105.20	47	48	46
127	L-027a	35.10	P5	0.0000	81.97	47	59	47
192	B-064	57.00	P9	0.2311	103.82	47	50	45
97	B-031a	56.76	P1	0.1136	103.45	47	50	44
198	B-046	57.50	P12	0.0228	104.08	46	49	45
1015	J-65	57.50	P9	0.0735	104.07	46	49	45
1019	J-66	57.75	P9	0.0630	104.09	46	49	45
1441	J-205	35.25	<None>	0.0000	81.32	46	59	46
199	B-047	58.00	P12	0.0273	104.07	46	49	44
144	L-1000	36.60	P7	0.0179	82.51	46	57	46
130	L-1085	33.63	P5	0.0528	79.41	46	60	46

	J-207	36.80	<None>	0.0000	82.52	46	57	46
188	B-059	58.50	P9	0.1786	104.05	45	48	44
213	B-036	58.00	P1	0.0758	103.46	45	49	43
1022	J-67	58.75	P9	0.0525	104.18	45	48	44
338	L-021	37.10	P6	0.0378	82.51	45	57	45
943	J-43	58.00	P2	0.0537	103.37	45	49	43
1277	J-151	59.90	P8	0.1270	105.18	45	47	45
309	L-019	34.60	P5	0.0302	79.81	45	59	45
114	S-004a	60.00	P10	0.1434	105.20	45	47	44
268	S-011	60.00	P10	0.0598	105.17	45	47	44
112	B-055b	59.00	P9	0.0735	104.06	45	48	43
940	J-42	58.37	P2	0.1165	103.36	45	48	42
308	L-027	37.00	P5	0.0000	81.97	45	57	45
1147	P14 - Low Point	33.00	P5	15.1179	77.89	45	61	45
1547	P-14 DemandB	33.89	<None>	1.0848	78.78	45	60	45
111	B-018a	58.50	P2	0.0716	103.38	45	48	42
217	B-018	58.50	P2	0.1552	103.36	45	48	42
877	J-21	58.75	P1	0.0758	103.47	45	48	42
1457	J-211	60.46	<None>	0.0000	105.17	45	46	44
300	L-031	38.10	P6	0.0303	82.69	44	56	44
124	L-1050	38.50	P6	0.0529	82.71	44	56	44
200	B-048	60.00	P12	0.0529	104.11	44	47	42
272	S-010	61.50	P10	0.0672	105.18	44	45	43
947	J-44	59.79	P2	0.0836	103.36	43	47	41
117	B-068a	49.50	P8	0.1059	92.89	43	45	43
219	B-017	60.00	P2	0.0716	103.36	43	47	41
275	S-018	62.50	P11	0.1044	105.22	43	44	42
1168	J-109	39.90	P7	0.0625	82.52	43	54	43
172	B-042	61.00	P1	0.0470	103.61	43	46	40
299	L-022	40.10	P6	0.0605	82.69	42	54	42
153	B-077	62.00	P12	0.0420	104.46	42	45	41
74	S-115	62.90	P10	0.0826	105.21	42	44	42
1452	J-209	62.90	<None>	0.0000	105.19	42	44	42
123	L-1055	40.75	P6	0.0529	82.79	42	53	42
191	B-061	62.00	P9	0.1471	103.99	42	45	40
98	B-038a	61.50	P1	0.0909	103.45	42	45	40
193	B-051	62.50	P12	0.0945	104.32	42	44	40
1164	J-107	40.80	P7	0.1071	82.53	42	53	42
985	J-55	62.50	P12	0.0707	104.22	42	44	40
1351	J-177	63.25	P12	0.0735	104.72	41	43	40
207	B-038	62.00	P1	0.0530	103.45	41	45	39
1398	J-191	62.00	P2	0.0836	103.37	41	45	39
76	S-105	63.90	P10	0.1208	105.22	41	43	41
75	S-110	63.90	P10	0.0830	105.21	41	43	41
280	S-009	63.90	P10	0.0747	105.20	41	43	41
1165	J-108	41.25	P7	0.0536	82.52	41	53	41
998	J-59	62.75	P1	0.0349	104.02	41	44	39
838	J-7	64.00	P11	0.1044	105.22	41	43	40
197	B-050	63.00	P12	0.0287	104.22	41	44	40
101	S-008a	64.10	P10	0.1046	105.19	41	43	40
873	J-20	62.50	P1	0.1364	103.45	41	44	39
1163	J-106	41.75	P7	0.0241	82.53	41	52	41
116	B-068b	50.75	P8	0.0378	91.35	40	44	40
270	S-008	64.60	P10	0.0075	105.20	40	42	40
179	B-069	50.00	P8	0.0454	90.33	40	45	40
1162	J-105	42.25	P7	0.1071	82.53	40	52	40
242	S-019	64.95	P11	0.0000	105.21	40	42	40
830	J-4	65.00	P11	0.0000	105.22	40	42	39
196	B-052	64.50	P12	0.0525	104.32	40	42	38
181	B-078	43.80	P6	0.0605	83.58	40	50	40
1005	J-61	64.43	P12	0.0820	104.05	40	42	38
296	L-044	43.00	P7	0.0804	82.55	39	51	39
71	823-A	67.50	P1	0.0046	107.00	39	39	39
99	B-039a	64.00	P1	0.1364	103.45	39	43	37
279	S-007	66.00	P10	0.0224	105.21	39	41	38
146	B-081	65.00	P12	0.0911	104.20	39	42	38
1311	J-164	50.35	P8	0.0756	89.55	39	44	39
832	J-5	66.10	P11	0.0000	105.22	39	41	38
137	J-273	43.60	P7	0.0804	82.54	39	50	39
136	J-274	43.60	P7	0.0357	82.54	39	50	39
807	J-2	43.75	P7	0.0268	82.57	39	50	39
234	S-052	66.50	P11	0.1044	105.22	39	40	38
276	S-017	66.50	P11	0.1044	105.22	39	40	38
139	L-1020	44.00	P7	0.0982	82.68	39	50	39
305	L-033	44.30	P6	0.0454	82.95	39	50	39
1425	J-199	65.70	P12	0.1260	104.33	39	41	37
1153	J-103	44.25	P6	0.1361	82.86	39	50	39
1258	J-146	66.80	P10	0.0679	105.24	38	40	38
134	J-276	44.10	P7	0.0714	82.54	38	50	38
1001	J-60	65.75	P12	0.0592	104.10	38	41	37
1261	J-147	66.90	P10	0.0376	105.23	38	40	38
138	J-272	44.25	P7	0.0804	82.54	38	50	38
1173	J-110	44.30	P7	0.0268	82.53	38	50	38
73	S-120	67.00	P11	0.1044	105.22	38	40	37
173	B-074	44.80	P6	0.0303	82.85	38	49	38
202	B-045	66.00	P1	0.0137	104.02	38	41	36
187	B-060	66.00	P9	0.0840	104.02	38	41	36
156	S-NEIGHBOURHOODCENTRE	68.50	P12	0.4636	106.47	38	38	38

	J-104	44.60	P7	0.0714	82.55	38	49	38
135	J-275	44.60	P7	0.0536	82.54	38	49	38
295	L-024	45.00	P6	0.0303	82.93	38	49	38
142	L-1010	44.60	P7	0.0536	82.53	38	49	38
84	B-045a	66.13	P12	0.0546	104.02	38	41	36
141	J-269	45.00	P7	0.0446	82.80	38	49	38
140	L-1015	44.75	P7	0.0268	82.53	38	49	38
826	J-2	67.50	P11	0.0000	105.25	38	39	37
336	L-042	44.80	P7	0.0625	82.54	38	49	38
201	B-049	66.50	P12	0.0046	104.11	38	40	36
148	B-079	66.00	P1	0.0303	103.61	38	41	35
143	L-1005	45.10	P7	0.0179	82.54	37	49	37
861	J-15	45.10	P7	0.0446	82.54	37	49	37
174	L-047	46.00	P6	0.0605	83.33	37	48	37
283	S-006	67.90	P10	0.0377	105.23	37	39	37
1360	J-179	46.60	P6	0.0378	83.91	37	48	37
133	J-277	45.25	P7	0.0536	82.54	37	49	37
859	J-14	45.40	P7	0.0893	82.54	37	49	37
1037	J-71	67.10	P12	0.0137	104.15	37	40	35
1347	J-176	68.33	P10	0.0226	105.24	37	38	36
175	B-076	47.25	P6	0.0227	84.15	37	47	37
334	S-001	68.50	P9	0.0286	105.30	37	38	36
816	A-01	68.50	P11	0.1044	105.25	37	38	36
297	L-043	46.00	P7	0.0536	82.54	36	48	36
337	B-075	49.50	P6	0.0605	86.01	36	45	36
115	B-071a	46.80	P6	0.0832	83.27	36	47	36
204	B-039	67.00	P1	0.0379	103.45	36	40	34
1048	J-74	69.00	P9	0.0000	105.32	36	38	36
77	S-100	69.00	P9	0.0105	105.31	36	38	36
989	J-56	69.00	P9	0.0000	105.25	36	38	35
264	S-004	69.10	P10	0.0226	105.28	36	38	35
70	823-B	67.50	P1	0.0000	103.61	36	39	34
1343	J-175	69.22	P10	0.0151	105.27	36	38	35
1408	J-194	69.26	P9	0.0420	105.25	36	37	35
277	S-020	69.25	P11	0.1044	105.22	36	37	35
1041	J-72	68.25	P12	0.0774	104.16	36	38	34
176	B-073	48.25	P6	0.1437	83.94	36	46	36
335	S-005	69.75	P10	0.0679	105.26	35	37	35
160	S-053	69.75	P10	0.0000	105.26	35	37	35
330	S-055	71.00	P11	0.0000	106.47	35	36	35
168	B-040	68.00	P1	0.0152	103.45	35	39	33
1560	J-231	49.75	<None>	0.0000	85.13	35	45	35
1335	J-173	70.60	P12	0.0000	105.89	35	36	35
834	J-6	70.00	P11	0.1044	105.23	35	37	34
1293	J-157	69.00	P12	0.0228	104.08	35	38	33
828	J-3	70.50	P11	0.0000	105.25	35	36	34
1422	J-198	70.60	P11	0.1044	105.25	35	36	34
180	B-070	49.10	P6	0.0529	83.58	34	45	34
278	S-014	70.80	P11	0.0000	105.25	34	36	34
281	S-016	71.00	P11	0.1044	105.25	34	36	34
194	B-054	70.00	P12	0.0501	104.17	34	37	33
1297	J-158	70.00	P12	0.0182	104.17	34	37	33
85	B-049a	70.00	P12	0.0319	104.16	34	37	32
1302	J-160	70.00	P12	0.0273	104.16	34	37	32
822	J-1	71.10	P11	0.1044	105.25	34	36	33
178	B-072	49.50	P6	0.0605	83.58	34	45	34
1292	J-156	70.25	P12	0.0273	104.08	34	36	32
1051	J-75	72.50	P11	0.1044	105.25	33	34	32
1044	J-73	71.62	P12	0.0774	104.18	32	35	31
145	B-082	72.00	P9	0.1366	104.53	32	35	31
329	S-015	72.75	P11	0.1044	105.25	32	34	32
195	B-053	72.60	P12	0.0228	104.23	32	34	30
1339	J-174	72.81	P12	0.0858	104.28	31	34	30
147	B-080	73.00	P12	0.0210	104.32	31	34	30
69	1227-A	79.23	P9	0.0000	106.61	27	28	27
68	1227-B	79.23	P9	0.0000	106.56	27	28	27
79	L-040a	44.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
80	L-034a	47.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
81	B-016a	53.00	P2	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
82	B-014a	46.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
86	L-ECO-008	36.95	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
87	L-ECO_007	41.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
88	L-ECO-006	37.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
89	L-010a	42.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
90	L-ECO-005	40.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
103	L-035	45.94	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
109	L-035a	39.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
110	L-008a	36.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
162	B-005	51.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
220	B-013	49.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
221	B-015	52.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
222	B-014	46.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
223	B-012	43.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
224	B-008	50.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
225	B-011	50.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
226	B-007	48.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
227	B-006	50.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
228	B-004	48.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)

	B-010	49.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
230	B-009	53.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
231	B-002	46.25	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
284	L-ECO-004	39.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
285	L-ECO-003	40.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
286	L-ECO-002	42.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
287	L-ECO-001	43.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
288	L-041	37.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
289	L-001	42.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
292	L-034	43.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
294	L-045	41.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
312	L-037	41.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
313	L-039	40.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
314	L-040	38.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
315	L-038	48.75	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
316	L-036	47.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
317	L-012	43.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
318	L-009	45.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
319	L-003	45.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
320	L-008	40.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
321	L-010	36.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
322	L-004	49.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
323	L-007	40.90	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
324	L-006	43.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
340	L-005	45.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
341	B-003	48.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
346	L-002	42.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
893	J-26	45.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
895	J-27	44.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
899	J-28	53.75	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
906	J-31	50.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
910	J-32	39.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
913	J-33	45.41	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
917	J-34	38.25	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
918	J-35	38.75	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
922	J-36	47.06	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
925	J-37	44.75	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
929	J-38	47.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
932	J-39	38.72	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1064	J-79	41.17	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1067	J-80	40.80	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1070	J-81	41.66	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1073	J-82	41.32	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1076	J-83	39.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1080	J-84	40.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1084	J-85	35.85	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1087	J-86	42.25	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1092	J-87	38.10	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1096	J-88	46.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1099	J-89	43.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1102	J-90	38.56	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1106	J-91	47.68	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1110	J-92	48.10	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1113	J-93	41.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1117	J-94	41.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1120	J-95	40.76	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1124	J-96	50.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1127	J-97	45.80	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1131	J-98	48.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1138	J-100	42.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1299	J-159	55.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1416	J-196	43.81	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1507	J-221	49.54	<None>	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1550	J-227	50.95	<None>	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1553	J-228	51.80	<None>	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1556	J-229	50.77	<None>	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)

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Scenario: Interim (ROL 13) - PRV
Current Time Step: 0.000 h
FlexTable: Junction Table

ID	Label	Elevation (m)	Zone	Demand (L/s)	Hydraulic Grade (m)	Pressure (m H2O)	Pressure (Maximum) (m H2O)	Pressure (Minimum) (m H2O)
246	S-003	46.00	P9	0.0209	104.71	59	61	58
1405	P9 Low Point	44.00	P9	0.0000	102.15	58	63	58
1395	P8 Low Point	46.75	P8	0.0296	104.69	58	60	58
1147	P14 - Low Point	33.00	P5	0.0458	90.67	58	61	57
250	S-038	47.10	P8	0.0030	104.69	57	60	57
238	S-037	47.25	P8	0.0296	104.69	57	59	57
236	S-039	47.35	P8	0.0296	104.69	57	59	57
1281	J-152	47.50	P8	0.0355	104.69	57	59	57
291	B-066	45.00	P9	0.0042	102.15	57	62	57
1547	P-14 DemandB	33.89	<None>	0.4263	90.85	57	60	56
130	L-1085	33.63	P5	0.0212	90.59	57	60	56
854	J-13	47.80	P8	0.0296	104.69	57	59	57
1355	J-178	35.00	P7	0.0141	91.62	56	59	55
301	L-028	35.00	P6	0.0031	91.58	56	59	55
309	L-019	34.60	P5	0.0121	91.06	56	59	56
127	L-027a	35.10	P5	0.0000	91.51	56	59	55
851	J-12	48.30	P8	0.0178	104.69	56	58	56
1288	J-155	48.35	P10	0.0213	104.70	56	58	56
253	S-040	48.35	P8	0.0148	104.69	56	58	56
1521	J-223	39.77	<None>	0.0000	96.03	56	67	56
1372	J-184	40.00	P1	0.0000	96.18	56	66	56
978	J-53	46.00	P9	0.0461	102.14	56	61	56
332	B-026	45.00	P1	0.0061	101.14	56	62	56
1441	J-205	35.25	<None>	0.0000	91.37	56	59	55
957	J-47	45.00	P2	0.0142	101.12	56	62	56
960	J-48	45.00	P2	0.0031	101.12	56	62	56
290	L-014	40.00	P6	0.0030	96.03	56	66	56
723	J-1	43.00	P5	0.0000	99.00	56	64	56
1371	J-Primary School	40.25	P1	0.0000	96.18	56	66	55
237	S-054	48.80	P8	0.0296	104.69	56	58	56
251	S-030	48.85	P8	0.0333	104.69	56	58	56
971	J-51	45.00	P1	0.0000	100.83	56	62	55
964	J-49	45.00	P1	0.0000	100.77	56	62	55
107	T-1010	40.33	P1	0.0000	96.08	56	66	55
190	B-062	46.50	P9	0.0293	102.11	55	60	55
967	J-50	45.75	P2	0.0031	101.12	55	61	55
214	B-025	46.00	P1	0.0307	101.23	55	61	55
1384	J-188	49.50	P1	0.0122	104.70	55	57	55
183	B-065	47.00	P9	0.0377	102.15	55	60	55
235	S-041	49.60	P8	0.0178	104.69	55	57	55
252	S-031	49.65	P8	0.0241	104.69	55	57	55
144	L-1000	36.60	P7	0.0070	91.62	55	57	54
1328	J-AFL maintenance shed	44.00	P1	0.0000	99.00	55	63	55
1446	J-207	36.80	<None>	0.0000	91.62	55	57	54
1364	J-180	47.00	P1	0.0000	101.77	55	60	54
243	S-044	50.00	P8	0.0304	104.70	55	57	54
258	S-029	50.00	P8	0.0626	104.69	55	57	54
255	S-032	50.00	P8	0.0210	104.69	55	57	54
106	T-1005	43.15	P5	0.0000	97.72	54	63	54
338	L-021	37.10	P6	0.0153	91.62	54	57	53
308	L-027	37.00	P5	0.0000	91.51	54	57	53
108	T-1001	46.69	P1	0.0092	101.16	54	60	54
1319	J-166	46.94	P1	0.0000	101.22	54	60	54
102	S-027a	50.50	P8	0.0503	104.70	54	56	54
1332	J-AFL Club House	47.26	P1	0.0000	101.43	54	59	54
1187	J-115	47.00	P2	0.0189	101.16	54	60	54
307	L-015	40.50	P1	0.0000	94.60	54	66	54
259	S-043	50.60	P8	0.0638	104.70	54	56	54
254	S-033	50.60	P8	0.0090	104.69	54	56	54
1324	J-168	47.51	P1	0.0000	101.58	54	59	54
113	B-058a	48.00	P9	0.0168	101.99	54	59	54
1365	J-181	47.83	P1	0.0000	101.77	54	59	54
216	B-024	47.25	P2	0.0498	101.17	54	59	54
232	I-SPORT&RECPARK	36.00	P5	10.8000	89.88	54	58	54
974	J-52	48.13	P9	0.0293	101.96	54	58	53
327	L-SCHOOL	40.50	P6	0.2273	94.28	54	66	53
93	B-025a	47.50	P1	0.0307	101.27	54	59	53
149	I-SCHOOL	40.50	P6	5.4000	94.26	54	66	53
261	S-028	51.00	P8	0.0271	104.70	54	56	53
300	L-031	38.10	P6	0.0122	91.65	53	56	52
328	L-016	40.80	P1	0.0000	94.32	53	66	53
104	B-064a	48.75	P9	0.0628	102.16	53	58	53
331	B-023	48.00	P1	0.0184	101.26	53	59	53
165	B-033	48.00	P1	0.0092	101.21	53	59	53
257	S-045	51.50	P8	0.0426	104.69	53	55	53
245	S-047	51.50	P8	0.0304	104.69	53	55	53
311	L-018	37.00	P5	0.0121	90.16	53	57	53
124	L-1050	38.50	P6	0.0214	91.66	53	56	52

282	S-027	51.80	P8	0.0210	104.70	53	55	53
184	B-056	49.50	P9	0.0335	102.30	53	57	52
954	J-46	48.50	P2	0.0425	101.17	53	58	52
1189	J-116	48.50	P2	0.0425	101.17	53	58	52
265	S-036	52.20	P8	0.0326	104.70	52	54	52
1369	J-High School	41.75	P6	0.2970	94.22	52	65	52
91	B-023b	48.82	P1	0.0460	101.29	52	58	52
1466	I-High School	41.75	P6	7.2400	94.19	52	65	52
1285	J-153	52.30	P10	0.0395	104.70	52	54	52
249	S-013	52.30	P8	0.0473	104.70	52	54	52
1026	J-68	50.00	P9	0.0293	102.30	52	57	52
212	B-022	49.00	P1	0.0123	101.26	52	58	52
293	L-SPORT&RECCLUBHOUSE	45.50	P6	0.0730	97.70	52	61	52
1498	I-Sport and Rec Irrigation Node	45.50	P6	10.8000	97.67	52	61	52
273	S-026	52.65	P8	0.0150	104.70	52	54	52
118	S-044a	52.85	P8	0.0274	104.70	52	54	52
345	L-013	38.30	P5	0.0091	90.05	52	56	52
1168	J-109	39.90	P7	0.0246	91.62	52	54	50
343	B-058	50.50	P9	0.0377	102.21	52	56	51
1304	J-161	53.00	P11	0.0000	104.71	52	54	51
157	B-020	49.50	P2	0.0531	101.13	52	57	51
1540	J-225	42.65	<None>	0.0000	94.23	51	64	51
299	L-022	40.10	P6	0.0244	91.65	51	54	50
1055	J-77	50.00	P1	0.0153	101.31	51	57	51
92	B-023a	50.00	P1	0.0153	101.29	51	57	51
167	B-034	50.00	P1	0.0123	101.29	51	57	51
882	J-23	50.01	P1	0.0184	101.28	51	57	51
247	S-002	53.50	P9	0.0487	104.71	51	53	51
260	S-025	53.50	P8	0.0572	104.70	51	53	51
256	S-046	53.50	P8	0.0304	104.69	51	53	51
981	J-54	51.00	P9	0.0503	102.17	51	56	51
885	J-24	50.25	P1	0.0123	101.28	51	56	51
326	L-017	43.25	P6	0.0061	94.20	51	63	51
123	L-1055	40.75	P6	0.0214	91.67	51	53	50
163	B-027	50.50	P1	0.0123	101.33	51	56	50
1164	J-107	40.80	P7	0.0422	91.62	51	53	50
218	B-019	50.50	P2	0.0755	101.16	51	56	50
94	B-030a	50.69	P1	0.0276	101.31	50	56	50
1268	J-149	54.10	P8	0.0326	104.70	50	53	50
1053	J-76	50.75	P1	0.0153	101.31	50	56	50
1165	J-108	41.25	P7	0.0211	91.62	50	53	49
1315	J-165	51.00	P1	0.0153	101.31	50	56	50
866	J-17	51.00	P1	0.0123	101.31	50	56	50
864	J-16	51.00	P1	0.0092	101.31	50	56	50
233	P14 Demand A	39.75	P5	0.4352	90.04	50	54	50
1462	J-213	54.50	<None>	0.0000	104.70	50	52	50
1559	J-230	44.00	<None>	0.0000	94.18	50	62	50
189	B-063	52.00	P9	0.1173	102.17	50	55	50
1265	J-148	54.67	P8	0.0237	104.70	50	52	50
889	J-25	51.25	P1	0.0123	101.26	50	55	50
1143	J-101	40.10	P5	0.0121	90.04	50	54	50
1163	J-106	41.75	P7	0.0096	91.62	50	52	49
215	B-021	51.50	P2	0.0375	101.24	50	55	49
344	B-067	44.50	P6	0.0061	94.17	50	62	49
266	S-035	55.10	P10	0.0473	104.70	49	52	49
1162	J-105	42.25	P7	0.0422	91.62	49	52	48
211	B-030	52.00	P1	0.0399	101.34	49	55	49
186	B-055	53.00	P1	0.0241	102.27	49	54	49
210	B-028	52.25	P1	0.0184	101.35	49	54	49
849	J-11	55.75	P10	0.0000	104.70	49	51	49
267	S-024	55.80	P10	0.0270	104.70	49	51	49
269	S-034	55.90	P10	0.0326	104.70	49	51	49
248	S-042	56.00	P10	0.0395	104.70	49	51	48
296	L-044	43.00	P7	0.0317	91.63	49	51	47
170	B-035	53.00	P1	0.0245	101.48	48	54	48
262	S-023	56.35	P10	0.0150	104.70	48	50	48
182	B-068	45.80	P6	0.0336	94.13	48	49	48
1059	J-78	53.03	P1	0.0215	101.34	48	54	48
342	B-043	54.00	P12	0.0018	102.22	48	53	48
271	S-022	56.50	P10	0.0150	104.70	48	50	48
1401	J-192	54.06	P12	0.0092	102.23	48	53	48
181	B-078	43.80	P6	0.0244	91.83	48	50	47
137	J-273	43.60	P7	0.0317	91.63	48	50	47
136	J-274	43.60	P7	0.0141	91.62	48	50	47
807	J-2	43.75	P7	0.0106	91.63	48	50	47
1419	J-197	53.50	P2	0.0236	101.26	48	53	47
274	S-012	57.00	P8	0.0266	104.70	48	50	47
139	L-1020	44.00	P7	0.0387	91.65	48	50	46
134	J-276	44.10	P7	0.0281	91.62	47	50	46
1153	J-103	44.25	P6	0.0550	91.69	47	50	46
203	B-044	55.00	P1	0.0111	102.41	47	52	47
305	L-033	44.30	P6	0.0183	91.70	47	50	46
138	J-272	44.25	P7	0.0317	91.62	47	50	46
208	B-029	54.00	P1	0.0184	101.35	47	53	47
1173	J-110	44.30	P7	0.0106	91.62	47	50	46
263	S-021	57.60	P10	0.0449	104.71	47	49	47
1159	J-104	44.60	P7	0.0281	91.63	47	49	46
135	J-275	44.60	P7	0.0211	91.62	47	49	46

	L-1010	44.60	P7	0.0211	91.62	47	49	46
993	J-58	54.55	P1	0.0031	101.55	47	52	47
1271	J-150	57.74	P8	0.0414	104.70	47	49	47
173	B-074	44.80	P6	0.0122	91.69	47	49	46
140	L-1015	44.75	P7	0.0106	91.62	47	49	46
185	B-057	55.50	P9	0.0419	102.37	47	51	47
209	B-031	54.50	P1	0.0276	101.36	47	52	47
336	L-042	44.80	P7	0.0246	91.62	47	49	46
842	J-8	57.90	P10	0.0182	104.71	47	49	47
295	L-024	45.00	P6	0.0122	91.70	47	49	45
141	J-269	45.00	P7	0.0176	91.68	47	49	45
950	J-45	54.50	P2	0.0755	101.15	47	52	46
333	B-041	55.00	P1	0.0061	101.65	47	52	46
143	L-1005	45.10	P7	0.0070	91.62	46	49	45
861	J-15	45.10	P7	0.0176	91.62	46	49	45
1029	J-69	55.89	P9	0.0419	102.38	46	51	46
845	J-9	58.25	P10	0.0213	104.71	46	48	46
133	J-277	45.25	P7	0.0211	91.62	46	49	45
936	J-40	54.81	P2	0.0295	101.14	46	52	46
859	J-14	45.40	P7	0.0352	91.62	46	49	45
325	B-016	55.00	P2	0.0378	101.14	46	52	46
991	J-57	55.50	P1	0.0031	101.58	46	51	46
870	J-19	55.30	P1	0.0337	101.36	46	51	46
1008	J-62	56.50	P12	0.0240	102.52	46	50	46
1033	J-70	56.49	P12	0.0129	102.47	46	50	46
83	B-055a	56.50	P9	0.0469	102.45	46	50	46
105	B-021a	55.25	P2	0.0661	101.19	46	51	46
174	L-047	46.00	P6	0.0244	91.78	46	48	45
96	B-028a	55.69	P1	0.0276	101.37	46	51	45
297	L-043	46.00	P7	0.0211	91.62	46	48	44
206	B-037	56.00	P1	0.0123	101.47	45	51	45
205	B-032	56.00	P1	0.0705	101.36	45	51	45
100	B-036a	56.00	P1	0.0491	101.32	45	51	45
1360	J-179	46.60	P6	0.0153	91.90	45	48	44
192	B-064	57.00	P9	0.0922	102.25	45	50	45
1015	J-65	57.50	P9	0.0293	102.63	45	49	45
198	B-046	57.50	P12	0.0092	102.58	45	49	45
115	B-071a	46.80	P6	0.0336	91.77	45	47	44
1019	J-66	57.75	P9	0.0251	102.65	45	49	45
95	B-031b	56.50	P1	0.0307	101.38	45	50	45
1277	J-151	59.90	P8	0.0503	104.70	45	47	45
114	S-004a	60.00	P10	0.0577	104.71	45	47	44
268	S-011	60.00	P10	0.0237	104.70	45	47	44
175	B-076	47.25	P6	0.0092	91.94	45	47	44
97	B-031a	56.76	P1	0.0460	101.37	44	50	44
199	B-047	58.00	P12	0.0111	102.56	44	49	44
1457	J-211	60.46	<None>	0.0000	104.70	44	46	44
117	B-068a	49.50	P8	0.0428	93.67	44	45	44
188	B-059	58.50	P9	0.0712	102.58	44	48	44
1022	J-67	58.75	P9	0.0209	102.79	44	48	44
176	B-073	48.25	P6	0.0580	91.90	44	46	43
112	B-055b	59.00	P9	0.0293	102.57	43	48	43
213	B-036	58.00	P1	0.0307	101.39	43	49	43
272	S-010	61.50	P10	0.0266	104.70	43	45	43
943	J-43	58.00	P2	0.0213	101.18	43	49	43
179	B-069	50.00	P8	0.0183	93.16	43	45	43
337	B-075	49.50	P6	0.0244	92.31	43	45	42
940	J-42	58.37	P2	0.0461	101.17	43	48	42
180	B-070	49.10	P6	0.0214	91.83	43	45	42
111	B-018a	58.50	P2	0.0283	101.22	43	48	42
217	B-018	58.50	P2	0.0614	101.17	43	48	42
1311	J-164	50.35	P8	0.0305	93.01	43	44	42
200	B-048	60.00	P12	0.0213	102.66	43	47	42
877	J-21	58.75	P1	0.0307	101.40	43	48	42
116	B-068b	50.75	P8	0.0153	93.37	43	44	42
1560	J-231	49.75	<None>	0.0000	92.14	42	45	42
178	B-072	49.50	P6	0.0244	91.83	42	45	41
275	S-018	62.50	P11	0.0413	104.71	42	44	42
74	S-115	62.90	P10	0.0330	104.71	42	44	42
1452	J-209	62.90	<None>	0.0000	104.70	42	44	42
947	J-44	59.79	P2	0.0330	101.17	41	47	41
153	B-077	62.00	P12	0.0168	103.26	41	45	41
219	B-017	60.00	P2	0.0283	101.17	41	47	41
76	S-105	63.90	P10	0.0486	104.71	41	43	41
75	S-110	63.90	P10	0.0334	104.71	41	43	41
280	S-009	63.90	P10	0.0296	104.71	41	43	41
838	J-7	64.00	P11	0.0413	104.71	41	43	40
172	B-042	61.00	P1	0.0190	101.65	41	46	40
101	S-008a	64.10	P10	0.0414	104.70	41	43	40
193	B-051	62.50	P12	0.0377	103.02	40	44	40
191	B-061	62.00	P9	0.0587	102.50	40	45	40
1351	J-177	63.25	P12	0.0293	103.71	40	43	40
985	J-55	62.50	P12	0.0283	102.85	40	44	40
270	S-008	64.60	P10	0.0030	104.71	40	42	40
98	B-038a	61.50	P1	0.0368	101.37	40	45	40
197	B-050	63.00	P12	0.0116	102.85	40	44	40
242	S-019	64.95	P11	0.0000	104.71	40	42	40
998	J-59	62.75	P1	0.0141	102.47	40	44	39

	J-4	65.00	P11	0.0000	104.71	40	42	39
71	823-A	67.50	P1	0.0018	107.00	39	39	39
207	B-038	62.00	P1	0.0215	101.38	39	45	39
1398	J-191	62.00	P2	0.0330	101.20	39	45	39
873	J-20	62.50	P1	0.0552	101.37	39	44	39
279	S-007	66.00	P10	0.0089	104.71	39	41	38
832	J-5	66.10	P11	0.0000	104.71	39	41	38
196	B-052	64.50	P12	0.0209	103.02	38	42	38
234	S-052	66.50	P11	0.0413	104.71	38	40	38
276	S-017	66.50	P11	0.0413	104.71	38	40	38
1005	J-61	64.43	P12	0.0332	102.54	38	42	38
1258	J-146	66.80	P10	0.0274	104.71	38	40	38
146	B-081	65.00	P12	0.0369	102.83	38	42	38
1261	J-147	66.90	P10	0.0150	104.71	38	40	38
156	S-NEIGHBOURHOODCENTRE	68.50	P12	0.2394	106.29	38	38	38
73	S-120	67.00	P11	0.0413	104.71	38	40	37
99	B-039a	64.00	P1	0.0552	101.37	37	43	37
1425	J-199	65.70	P12	0.0503	103.03	37	41	37
826	J-2	67.50	P11	0.0000	104.71	37	39	37
1001	J-60	65.75	P12	0.0240	102.64	37	41	37
283	S-006	67.90	P10	0.0151	104.71	37	39	37
187	B-060	66.00	P9	0.0335	102.55	36	41	36
202	B-045	66.00	P1	0.0055	102.48	36	41	36
1347	J-176	68.33	P10	0.0091	104.71	36	38	36
84	B-045a	66.13	P12	0.0222	102.49	36	41	36
334	S-001	68.50	P9	0.0114	104.72	36	38	36
816	A-01	68.50	P11	0.0413	104.71	36	38	36
201	B-049	66.50	P12	0.0018	102.67	36	40	36
1048	J-74	69.00	P9	0.0000	104.73	36	38	36
77	S-100	69.00	P9	0.0042	104.73	36	38	36
148	B-079	66.00	P1	0.0123	101.65	36	41	35
1037	J-71	67.10	P12	0.0055	102.74	36	40	35
264	S-004	69.10	P10	0.0091	104.72	36	38	35
989	J-56	69.00	P9	0.0000	104.61	36	38	35
1343	J-175	69.22	P10	0.0061	104.72	35	38	35
277	S-020	69.25	P11	0.0413	104.71	35	37	35
1408	J-194	69.26	P9	0.0168	104.61	35	37	35
330	S-055	71.00	P11	0.0000	106.29	35	36	35
335	S-005	69.75	P10	0.0274	104.72	35	37	35
160	S-053	69.75	P10	0.0000	104.72	35	37	35
1335	J-173	70.60	P12	0.0000	105.51	35	36	35
834	J-6	70.00	P11	0.0413	104.71	35	37	34
1041	J-72	68.25	P12	0.0314	102.76	34	38	34
204	B-039	67.00	P1	0.0153	101.37	34	40	34
828	J-3	70.50	P11	0.0000	104.71	34	36	34
70	823-B	67.50	P1	0.0000	101.65	34	39	34
1422	J-198	70.60	P11	0.0413	104.72	34	36	34
278	S-014	70.80	P11	0.0000	104.72	34	36	34
281	S-016	71.00	P11	0.0413	104.71	34	36	34
822	J-1	71.10	P11	0.0413	104.72	34	36	33
1293	J-157	69.00	P12	0.0092	102.61	34	38	33
168	B-040	68.00	P1	0.0061	101.37	33	39	33
194	B-054	70.00	P12	0.0203	102.79	33	37	33
1297	J-158	70.00	P12	0.0074	102.79	33	37	33
85	B-049a	70.00	P12	0.0129	102.77	33	37	32
1302	J-160	70.00	P12	0.0111	102.77	33	37	32
1292	J-156	70.25	P12	0.0111	102.61	32	36	32
1051	J-75	72.50	P11	0.0413	104.72	32	34	32
329	S-015	72.75	P11	0.0413	104.72	32	34	32
145	B-082	72.00	P9	0.0545	103.40	31	35	31
1044	J-73	71.62	P12	0.0314	102.80	31	35	31
195	B-053	72.60	P12	0.0092	102.90	30	34	30
1339	J-174	72.81	P12	0.0344	102.98	30	34	30
147	B-080	73.00	P12	0.0084	103.05	30	34	30
69	1227-A	79.23	P9	0.0000	106.48	27	28	27
68	1227-B	79.23	P9	0.0000	106.42	27	28	27
79	L-040a	44.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
80	L-034a	47.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
81	B-016a	53.00	P2	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
82	B-014a	46.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
86	L-ECO-008	36.95	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
87	L-ECO_007	41.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
88	L-ECO-006	37.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
89	L-010a	42.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
90	L-ECO-005	40.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
103	L-035	45.94	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
109	L-035a	39.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
110	L-008a	36.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
162	B-005	51.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
220	B-013	49.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
221	B-015	52.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
222	B-014	46.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
223	B-012	43.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
224	B-008	50.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
225	B-011	50.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
226	B-007	48.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
227	B-006	50.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
228	B-004	48.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)

	B-010	49.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
230	B-009	53.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
231	B-002	46.25	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
284	L-ECO-004	39.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
285	L-ECO-003	40.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
286	L-ECO-002	42.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
287	L-ECO-001	43.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
288	L-041	37.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
289	L-001	42.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
292	L-034	43.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
294	L-045	41.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
312	L-037	41.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
313	L-039	40.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
314	L-040	38.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
315	L-038	48.75	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
316	L-036	47.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
317	L-012	43.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
318	L-009	45.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
319	L-003	45.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
320	L-008	40.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
321	L-010	36.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
322	L-004	49.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
323	L-007	40.90	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
324	L-006	43.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
340	L-005	45.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
341	B-003	48.50	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
346	L-002	42.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
893	J-26	45.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
895	J-27	44.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
899	J-28	53.75	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
906	J-31	50.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
910	J-32	39.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
913	J-33	45.41	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
917	J-34	38.25	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
918	J-35	38.75	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
922	J-36	47.06	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
925	J-37	44.75	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
929	J-38	47.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
932	J-39	38.72	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1064	J-79	41.17	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1067	J-80	40.80	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1070	J-81	41.66	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1073	J-82	41.32	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1076	J-83	39.50	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1080	J-84	40.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1084	J-85	35.85	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1087	J-86	42.25	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1092	J-87	38.10	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1096	J-88	46.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1099	J-89	43.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1102	J-90	38.56	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1106	J-91	47.68	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1110	J-92	48.10	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1113	J-93	41.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1117	J-94	41.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1120	J-95	40.76	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1124	J-96	50.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1127	J-97	45.80	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1131	J-98	48.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1138	J-100	42.00	P4	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1299	J-159	55.00	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1416	J-196	43.81	P3	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1507	J-221	49.54	<None>	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1550	J-227	50.95	<None>	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1553	J-228	51.80	<None>	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1556	J-229	50.77	<None>	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)

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Scenario: Interim (ROL 13) - PRV
 Current Time Step: 19.000 h
 FlexTable: Pipe Table

ID	Label	Length (Scaled) (m)	Start Node	Stop Node	Diameter (mm)	Material	Hazen- Williams C	Flow (L/s)	Flow (Maximum) (L/s)	Pressure (Start) (m H2O)	Velocity (Maximum) (m/s)	Headloss (m)	Velocity (m/s)	Headloss Gradient (m/km)
685	P110LLZ	93	B-068a	B-068	100.0	mPVC	100.0	-5.4151	-2.4310	45	0.69	0.93	0.69	9.947
683	P112LLZ	64	B-068b	B-068a	100.0	mPVC	100.0	-5.2756	-2.3816	43	0.67	0.60	0.67	9.477
684	P111LLZ	42	B-069	B-068b	100.0	mPVC	100.0	-5.2257	-2.3640	43	0.67	0.39	0.67	9.312
1313	P047LLZ(2)	33	J-164	B-069	100.0	mPVC	100.0	-5.1659	-2.3428	43	0.66	0.30	0.66	9.115
1312	P047LLZ(1)	151	B-075	J-164	100.0	mPVC	100.0	-5.0662	-2.3075	42	0.65	1.33	0.65	8.793
1480	P-195	38	B-075	J-231	100.0	mPVC	100.0	4.9865	4.9865	42	0.63	0.33	0.63	8.538
1481	P-196	42	J-231	B-076	100.0	mPVC	100.0	4.9865	4.9865	42	0.63	0.36	0.63	8.538
1410	P-43(2)	81	J-194	B-082	100.0	mPVC	100.0	3.2954	6.8522	37	0.87	0.32	0.42	3.965
1361	P143LLZ(1)	25	B-076	J-179	100.0	mPVC	100.0	3.0046	3.0046	44	0.38	0.08	0.38	3.341
1362	P143LLZ(2)	62	J-179	L-047	100.0	mPVC	100.0	2.9547	2.9547	44	0.38	0.20	0.38	3.239
1309	P-152	10	J-56	J-74	200.0	mPVC	110.0	-19.6480	-7.3976	37	1.32	0.03	0.63	3.099
1353	P-49(2)	106	J-177	J-56	200.0	mPVC	110.0	-16.2972	-6.1386	42	1.10	0.23	0.52	2.192
1352	P-49(1)	52	B-077	J-177	200.0	mPVC	110.0	-16.2001	-6.1046	44	1.10	0.11	0.52	2.168
417	P053LLZ	65	L-024	L-047	100.0	mPVC	100.0	-2.3392	-1.0932	45	0.30	0.14	0.30	2.102
352	PRV-3-B	7	PRV-3	1227-B	250.0	mPVC	110.0	27.9134	44.4197	27	0.90	0.01	0.57	2.003
597	P340HLZ	116	TeviotRoadConnection2	1227-A	250.0	mPVC	110.0	27.9134	44.4197	0	0.90	0.23	0.57	2.003
351	PRV-3-A	6	1227-A	PRV-3	250.0	mPVC	110.0	27.9134	44.4197	27	0.90	0.01	0.57	2.003
596	P341HLZ	29	1227-B	S-055	250.0	mPVC	110.0	27.9134	44.4197	27	0.90	0.06	0.57	2.003
1336	P337HLZ(2)(1)	175	J-74	J-173	250.0	mPVC	110.0	-27.6322	-10.1885	37	0.90	0.34	0.56	1.966
1337	P337HLZ(2)(2)	175	J-173	S-055	250.0	mPVC	110.0	-27.6322	-10.1885	36	0.90	0.34	0.56	1.966
568	P015LLZ	25	L-015	L-016	150.0	mPVC	100.0	6.1627	16.9744	64	0.96	0.04	0.35	1.754
664	P121LLZ	130	T-1010	L-015	150.0	mPVC	100.0	6.1627	16.9744	64	0.96	0.23	0.35	1.754
1152	P-79	61	L-033	B-071a	100.0	mPVC	100.0	-1.9594	-0.9426	46	0.25	0.09	0.25	1.514
418	P052LLZ	55	B-073	B-076	100.0	mPVC	100.0	-1.9520	-0.8802	43	0.25	0.08	0.25	1.503
1024	P-52	87	J-67	B-077	150.0	mPVC	100.0	-5.6621	-2.1273	47	0.66	0.13	0.32	1.499
1541	P002LLZ(1)	132	L-016	J-225	150.0	mPVC	100.0	5.5647	5.5647	64	0.31	0.19	0.31	1.452
1542	P002LLZ(2)	43	J-225	L-017	150.0	mPVC	100.0	5.5647	5.5647	62	0.31	0.06	0.31	1.452
1478	P-194	27	J-230	L-017	150.0	mPVC	100.0	-5.5447	-2.4769	60	0.31	0.04	0.31	1.442
1477	P-193	25	B-067	J-230	150.0	mPVC	100.0	-5.5447	-2.4769	60	0.31	0.04	0.31	1.442
1563	P044LLZ(1)	28	B-068	PRV-11	150.0	mPVC	100.0	-5.5248	-2.4698	49	0.31	0.04	0.31	1.433
1564	P044LLZ(2)	31	PRV-11	B-067	150.0	mPVC	100.0	-5.5248	-2.4698	59	0.31	0.04	0.31	1.432
376	P286HLZ	66	B-082	B-080	100.0	mPVC	100.0	1.8918	3.9529	34	0.50	0.09	0.24	1.418
419	P051LLZ	102	B-072	B-073	100.0	mPVC	100.0	-1.7626	-0.8131	41	0.22	0.13	0.22	1.244
583	P148HLZ	81	B-041	B-043	200.0	mPVC	110.0	-11.8507	-4.5506	50	1.00	0.10	0.38	1.215
1259	P342HLZ(1)	50	S-004	J-146	100.0	mPVC	100.0	1.7287	1.7287	37	0.22	0.06	0.22	1.200
707	P090LLZ	31	L-027a	L-028	100.0	mPVC	100.0	-1.7031	-1.1327	55	0.33	0.04	0.22	1.168
1442	P-77(1)	53	L-027a	J-205	100.0	mPVC	100.0	1.7031	2.6108	55	0.33	0.06	0.22	1.168
1443	P-77(2)	124	J-205	L-019	100.0	mPVC	100.0	1.7031	2.6108	55	0.33	0.15	0.22	1.168
1549	P084LLZ(2)(2)	84	P-14 DemandB	L-019	100.0	mPVC	100.0	-1.6633	-1.1186	56	0.33	0.09	0.21	1.118
1023	P-51	42	B-055b	J-67	100.0	mPVC	100.0	-1.6543	-0.6298	46	0.51	0.05	0.21	1.106
992	P-44	27	J-57	B-037	150.0	mPVC	100.0	4.4958	9.7941	50	0.55	0.03	0.25	0.978
390	P277HLZ	62	B-051	B-077	200.0	mPVC	110.0	-10.4824	-3.9579	43	0.73	0.06	0.33	0.968
682	P113LLZ	99	B-072	B-071a	100.0	mPVC	100.0	1.5333	1.5351	41	0.20	0.09	0.20	0.961
561	P022LLZ	79	L-028	L-031	100.0	mPVC	100.0	-1.5009	-0.7802	55	0.20	0.07	0.19	0.924
439	P249HLZ	107	B-051	B-046	200.0	mPVC	110.0	10.1442	23.2724	43	0.74	0.10	0.32	0.911
976	P291HLZ(2)	59	J-52	B-058	100.0	mPVC	100.0	-1.4459	-0.5490	57	0.44	0.05	0.18	0.862
973	P367LLZIRRIG(1)(1)(2)	5	J-51	J-49	150.0	mPVC	100.0	4.1057	17.3720	60	0.98	0.00	0.23	0.826
1424	P153HLZ(1)(2)	38	J-198	J-6	100.0	mPVC	100.0	1.3641	1.3641	35	0.17	0.03	0.17	0.774
1025	P-53	57	J-67	J-66	150.0	mPVC	100.0	3.9385	7.6407	47	0.43	0.04	0.22	0.765
1403	P244HLZ(2)(2)	2	J-192	B-043	200.0	mPVC	110.0	8.7137	23.0103	51	0.73	0.00	0.28	0.687
1034	P244HLZ(1)	33	B-046	J-70	200.0	mPVC	110.0	8.6388	20.6855	48	0.66	0.02	0.27	0.677
534	P157HLZ	45	S-027	S-026	100.0	mPVC	100.0	-1.2623	-0.3594	54	0.16	0.03	0.16	0.671
442	P246HLZ	58	B-048	B-050	100.0	mPVC	100.0	-1.2507	-0.4770	45	0.39	0.04	0.16	0.659
437	P251HLZ	109	B-064	B-061	100.0	mPVC	100.0	-1.2489	-0.4712	48	0.32	0.07	0.16	0.657
370	P062LLZ	77	L-024	J-269	100.0	mPVC	100.0	1.2387	1.2387	45	0.16	0.05	0.16	0.647
1427	P285HLZ(2)	129	J-199	B-082	100.0	mPVC	100.0	-1.2232	-0.4640	40	0.36	0.08	0.16	0.633
540	P151HLZ	58	S-006	S-007	100.0	mPVC	100.0	1.2064	1.2064	38	0.15	0.04	0.15	0.616
441	P247HLZ	88	B-050	B-052	100.0	mPVC	100.0	-1.2009	-0.4500	42	0.29	0.05	0.15	0.611
366	P066LLZ	76	J-269	L-1020	100.0	mPVC	100.0	1.1796	1.1796	45	0.15	0.04	0.15	0.591
1402	P244HLZ(2)(1)	80	J-70	J-192	200.0	mPVC	110.0	8.0307	19.8118	49	0.63	0.05	0.26	0.591
532	P159HLZ	21	S-007	S-008	100.0	mPVC	100.0	1.1768	1.1768	40	0.15	0.01	0.15	0.589
1049	P337HLZ(1)	25	S-100	J-74	200.0	mPVC	110.0	-7.9841	-2.2708	37	0.25	0.01	0.25	0.585
599	P338HLZ	21	S-001	S-100	200.0	mPVC	110.0	-7.9703	-2.2668	37	0.25	0.01	0.25	0.583
1340	P282HLZ(1)	37	B-080	J-174	100.0	mPVC	100.0	1.1662	2.3240	32	0.30	0.02	0.15	0.579

1512	P-207	177	J-49	J-1	200.0	mPVC	110.0	7.8372	37.2648	60	1.19	0.10	0.25	0.565
725	P367LLZIRRIG(2)	128	J-1	T-1005	200.0	mPVC	110.0	7.8372	37.2648	62	1.19	0.07	0.25	0.565
1373	P122LLZ(1)	294	T-1005	J-184	200.0	mPVC	110.0	7.7532	26.3988	62	0.84	0.16	0.25	0.554
1374	P122LLZ(2)	19	J-184	T-1010	200.0	mPVC	110.0	7.7532	26.3988	65	0.84	0.01	0.25	0.553
1260	P342HLZ(2)	77	J-146	S-105	100.0	mPVC	100.0	1.0991	1.0991	39	0.14	0.04	0.14	0.519
677	P292HLZ	227	B-059	B-058a	100.0	mPVC	100.0	1.0881	2.6731	47	0.34	0.12	0.14	0.509
449	P239HLZ	63	B-043	B-044	150.0	mPVC	100.0	-3.1430	-1.2060	51	0.47	0.03	0.18	0.504
1020	P-50(1)	13	J-65	J-66	150.0	mPVC	100.0	-3.1327	-1.1755	48	0.36	0.01	0.18	0.501
1157	P-81	142	L-022	L-024	100.0	mPVC	100.0	-1.0607	-0.5222	50	0.14	0.07	0.14	0.486
1341	P282HLZ(2)	41	J-174	B-053	100.0	mPVC	100.0	1.0529	2.2842	33	0.29	0.02	0.13	0.479
808	P067LLZ(1)	68	L-1020	J-2	100.0	mPVC	100.0	1.0496	1.0496	46	0.13	0.03	0.13	0.477
697	P100LLZ	88	L-1055	L-033	100.0	mPVC	100.0	-1.0371	-0.5127	50	0.13	0.04	0.13	0.466
503	P188HLZ	363	S-001	S-002	100.0	mPVC	100.0	1.0340	1.0340	37	0.13	0.17	0.13	0.463
1038	P326HLZ(1)	24	B-049	J-71	100.0	mPVC	100.0	-1.0302	-0.3980	39	0.37	0.01	0.13	0.460
520	P171HLZ	91	S-004	S-001	200.0	mPVC	110.0	-6.8986	-1.9616	37	0.22	0.04	0.22	0.446
1030	P293HLZ(1)	94	B-055b	J-69	100.0	mPVC	100.0	1.0055	2.2881	46	0.29	0.04	0.13	0.440
560	P023LLZ	111	L-021	L-022	100.0	mPVC	100.0	-0.9809	-0.4940	53	0.13	0.05	0.12	0.420
1349	P149HLZ(2)	102	S-005	J-176	150.0	mPVC	100.0	2.8378	2.8378	36	0.16	0.04	0.16	0.417
1151	P-78	62	L-031	L-1055	100.0	mPVC	100.0	-0.9674	-0.4880	52	0.13	0.03	0.12	0.410
1348	P149HLZ(1)	31	J-176	S-006	150.0	mPVC	100.0	2.8080	2.8080	37	0.16	0.01	0.16	0.409
617	P330HLZ	80	B-055	B-055a	100.0	mPVC	100.0	-0.9630	-0.3693	52	0.31	0.03	0.12	0.406
997	P-46	27	B-041	J-57	250.0	mPVC	110.0	11.7289	31.2841	50	0.64	0.01	0.24	0.402
653	P306HLZ	47	S-008	S-008a	100.0	mPVC	100.0	0.8968	0.8968	41	0.11	0.02	0.11	0.356
1017	P254HLZ(2)	231	J-65	B-058	100.0	mPVC	100.0	0.8802	2.1836	48	0.28	0.08	0.11	0.344
1154	P144LLZ(1)	90	L-033	J-103	100.0	mPVC	100.0	0.8625	0.8625	46	0.11	0.03	0.11	0.331
446	P242HLZ	41	B-048	B-047	100.0	mPVC	100.0	0.8606	2.5112	45	0.32	0.01	0.11	0.330
512	P179HLZ	65	S-029	S-028	100.0	mPVC	100.0	-0.8566	-0.2435	56	0.11	0.02	0.11	0.327
1276	P-137	26	J-11	S-035	100.0	mPVC	100.0	0.8374	0.8374	50	0.11	0.01	0.11	0.313
453	P235HLZ	60	B-037	B-036	150.0	mPVC	100.0	2.4180	5.5432	49	0.31	0.02	0.14	0.310
432	P256LLZ	102	B-059	B-061	100.0	mPVC	100.0	0.8315	1.3972	47	0.18	0.03	0.11	0.309
975	P291HLZ(1)	4	B-058a	J-52	100.0	mPVC	100.0	0.8250	4.6755	57	0.60	0.00	0.11	0.305
502	P189HLZ	85	S-042	S-002	100.0	mPVC	100.0	-0.8039	-0.2287	50	0.10	0.02	0.10	0.291
1009	P243HLZ(1)	35	B-047	J-62	150.0	mPVC	100.0	2.3000	5.0747	47	0.29	0.01	0.13	0.283
517	P174HLZ	32	S-023	S-022	150.0	mPVC	100.0	-2.2469	-0.6390	49	0.13	0.01	0.13	0.271
1010	P243HLZ(2)	79	J-62	B-044	150.0	mPVC	100.0	2.2328	5.5292	49	0.31	0.02	0.13	0.268
398	P273HLZ	44	S-053	S-014	150.0	mPVC	100.0	2.1927	2.1927	36	0.12	0.01	0.12	0.259
399	P272HLZ	26	S-005	S-053	150.0	mPVC	100.0	2.1927	2.1927	36	0.12	0.01	0.12	0.259
1345	P170HLZ(2)	18	J-175	S-004	200.0	mPVC	110.0	-5.1400	-1.4604	37	0.16	0.00	0.16	0.259
1344	P170HLZ(1)	79	S-005	J-175	200.0	mPVC	110.0	-5.1201	-1.4547	36	0.16	0.02	0.16	0.257
1333	P-40(2)(1)(1)	70	J-166	J-AFL Club House	150.0	mPVC	100.0	-2.1739	-0.8712	58	0.46	0.02	0.12	0.255
1366	P-40(2)(2)(1)	68	J-168	J-181	150.0	mPVC	100.0	-2.1739	-0.8712	58	0.46	0.02	0.12	0.255
1320	P-40(1)	139	J-166	J-51	150.0	mPVC	100.0	2.1739	8.1128	58	0.46	0.04	0.12	0.255
1367	P-40(2)(2)(2)	65	J-181	J-52	150.0	mPVC	100.0	-2.1739	-0.8712	57	0.46	0.02	0.12	0.255
1334	P-40(2)(1)(2)	54	J-AFL Club House	J-168	150.0	mPVC	100.0	-2.1739	-0.8712	58	0.46	0.01	0.12	0.254
1016	P254HLZ(1)	55	B-059	J-65	150.0	mPVC	100.0	-2.1554	-0.8061	47	0.24	0.01	0.12	0.251
1040	P-56	93	J-71	B-081	100.0	mPVC	100.0	-0.7350	-0.2783	38	0.21	0.02	0.09	0.246
1021	P-50(2)	153	J-66	B-060	100.0	mPVC	100.0	0.7226	1.2411	48	0.16	0.04	0.09	0.239
374	P058LLZ	38	L-1000	L-021	100.0	mPVC	100.0	-0.7189	0.3091	54	0.09	0.01	0.09	0.236
836	P153HLZ(2)	75	J-6	S-020	100.0	mPVC	100.0	0.7189	0.7189	36	0.09	0.02	0.09	0.236
592	P345HLZ	108	S-021	S-115	150.0	mPVC	100.0	-2.0756	-0.5911	48	0.12	0.03	0.12	0.234
1385	P195HLZ(1)	81	S-043	J-188	100.0	mPVC	100.0	0.7037	0.7037	55	0.09	0.02	0.09	0.227
1262	P346HLZ(1)	84	S-115	J-147	150.0	mPVC	100.0	-2.0423	-0.5827	43	0.12	0.02	0.12	0.227
879	P236HLZ(2)	83	J-21	B-037	150.0	mPVC	100.0	-2.0379	-0.7706	46	0.24	0.02	0.12	0.226
988	P-42	192	J-55	B-080	100.0	mPVC	100.0	-0.6979	-0.2649	43	0.21	0.04	0.09	0.224
431	P257LLZ	120	B-058	B-056	100.0	mPVC	100.0	-0.6905	-0.2573	55	0.17	0.03	0.09	0.219
594	P343HLZ	112	S-105	S-004a	100.0	mPVC	100.0	0.6880	0.6880	42	0.09	0.02	0.09	0.218
1046	P248HLZ(2)	120	J-73	B-053	100.0	mPVC	100.0	-0.6850	-0.2582	34	0.18	0.03	0.09	0.216
1007	P-47(2)	69	J-61	J-60	100.0	mPVC	100.0	-0.6802	-0.2634	41	0.24	0.01	0.09	0.213
1459	P163HLZ(2)	21	J-211	S-011	100.0	mPVC	100.0	0.6755	0.6755	45	0.09	0.00	0.09	0.211
1458	P163HLZ(1)	47	S-010	J-211	100.0	mPVC	100.0	0.6755	0.6755	44	0.09	0.01	0.09	0.211
516	P175HLZ	59	S-028	S-027	100.0	mPVC	100.0	-0.6703	-0.1916	55	0.09	0.01	0.09	0.208
972	P367LLZIRRIG(1)(1)(1)	91	T-1001	J-51	150.0	mPVC	100.0	1.9318	9.2592	58	0.52	0.02	0.11	0.205
519	P172HLZ	50	S-022	S-021	150.0	mPVC	100.0	-1.9269	-0.5487	49	0.11	0.01	0.11	0.204
527	P164HLZ	138	S-011	S-012	100.0	mPVC	100.0	0.6597	0.6597	46	0.08	0.03	0.08	0.202
1156	P-80	166	L-1050	J-103	100.0	mPVC	100.0	-0.6432	-0.3311	52	0.09	0.03	0.08	0.192
680	P289HLZ	152	S-042	S-043	100.0	mPVC	100.0	0.6277	0.6277	50	0.08	0.03	0.08	0.184
433	P255HLZ	89	B-061	B-060	100.0	mPVC	100.0	-0.6116	-0.2298	43	0.15	0.02	0.08	0.175
1386	P195HLZ(2)	67	J-188	S-044	100.0	mPVC	100.0	0.5942	0.5942	56	0.08	0.01	0.08	0.166
996	P-45	30	J-57	J-58	250.0	mPVC	110.0	7.2231	21.4865	50	0.44	0.00	0.15	0.164
995	P263HLZ(2)	57	J-58	B-035	250.0	mPVC	110.0	7.2132	21.4829	51	0.44	0.01	0.15	0.163
1295	P329HLZ(2)	63	J-157	B-049	100.0	mPVC	100.0	-0.5865	-0.2243	36	0.19	0.01	0.07	0.162
1316	P267HLZ(1)	136	B-035	J-165	250.0	mPVC	110.0	7.1333	21.4546	52	0.44	0.02	0.15	0.160
1317	P267HLZ(2)	18	J-165	B-034	250.0	mPVC	110.0	7.0834	21.4369	54	0.44	0.00	0.14	0.158
405	P268HLZ	69	B-034	B-033	250.0	mPVC	110.0	7.0435	21.4228	55	0.44	0.01	0.14	0.156
700	P097LLZ	31	L-031	L-1050	100.0	mPVC	100.0	-0.5734	-0.3064	52	0.08	0.00	0.07	0.155

	P297HLZ	39	B-033	T-1001	250.0	mPVC	110.0	7.0135	21.4121	57	0.44	0.01	0.14	0.155
1463	P187HLZ(1)	76	S-012	J-213	100.0	mPVC	100.0	0.5708	0.5708	49	0.07	0.01	0.07	0.154
1464	P187HLZ(2)	46	J-213	S-013	100.0	mPVC	100.0	0.5708	0.5708	51	0.07	0.01	0.07	0.154
1453	P158HLZ(1)	110	S-009	J-209	100.0	mPVC	100.0	0.5687	0.5687	42	0.07	0.02	0.07	0.153
1454	P158HLZ(2)	88	J-209	S-010	100.0	mPVC	100.0	0.5687	0.5687	43	0.07	0.01	0.07	0.153
518	P173HLZ	30	S-024	S-023	150.0	mPVC	100.0	-1.6462	-0.4694	50	0.09	0.00	0.09	0.152
1036	P-55	80	B-055a	J-70	100.0	mPVC	100.0	-0.5661	-0.2086	49	0.11	0.01	0.07	0.152
1006	P-47(1)	83	J-59	J-61	100.0	mPVC	100.0	-0.5615	-0.2134	43	0.18	0.01	0.07	0.150
809	P067LLZ(2)	76	J-2	L-044	100.0	mPVC	100.0	0.5586	0.5586	47	0.07	0.01	0.07	0.148
514	P177HLZ	155	S-025	S-024	150.0	mPVC	100.0	-1.6037	-0.4563	52	0.09	0.02	0.09	0.145
616	P331HLZ	111	B-055a	B-055b	100.0	mPVC	100.0	-0.5517	-0.2150	49	0.21	0.02	0.07	0.145
850	P-12	82	S-023	J-11	100.0	mPVC	100.0	0.5510	0.5510	49	0.07	0.01	0.07	0.144
970	P-39	110	J-50	J-49	200.0	mPVC	110.0	3.7315	19.8928	59	0.63	0.02	0.12	0.143
660	P299HLZ	88	B-021	B-021a	100.0	mPVC	100.0	0.5418	1.2664	54	0.16	0.01	0.07	0.140
1282	P186HLZ(2)(2)(1)	20	J-13	J-152	100.0	mPVC	100.0	-0.5404	-0.1546	58	0.07	0.00	0.07	0.140
1264	P-134	172	J-146	J-147	100.0	mPVC	100.0	0.5401	0.5401	39	0.07	0.02	0.07	0.139
1158	P-82	158	B-071a	L-047	100.0	mPVC	100.0	-0.5358	-0.2494	44	0.07	0.02	0.07	0.137
1263	P346HLZ(2)	32	S-006	J-147	150.0	mPVC	100.0	1.5519	1.5519	38	0.09	0.00	0.09	0.136
654	P305HLZ	97	S-027a	S-027	100.0	mPVC	100.0	-0.5225	-0.1480	55	0.07	0.01	0.07	0.131
1294	P329HLZ(1)	148	B-045a	J-157	100.0	mPVC	100.0	-0.5205	-0.2008	39	0.19	0.02	0.07	0.130
1423	P153HLZ(1)(1)	13	S-014	J-198	150.0	mPVC	100.0	1.5022	1.5022	35	0.09	0.00	0.09	0.129
986	P284HLZ(1)	75	B-081	J-55	100.0	mPVC	100.0	-0.5169	-0.1918	40	0.10	0.01	0.07	0.128
443	P245HLZ	63	B-047	B-046	150.0	mPVC	100.0	-1.4754	-0.5490	47	0.15	0.01	0.08	0.124
837	P-6	112	J-6	S-120	100.0	mPVC	100.0	0.5071	0.5071	36	0.06	0.01	0.06	0.124
1031	P293HLZ(2)	28	J-69	B-057	100.0	mPVC	100.0	0.5050	1.0249	49	0.13	0.00	0.06	0.123
843	P-8	79	S-004a	J-8	100.0	mPVC	100.0	0.4989	0.4989	46	0.06	0.01	0.06	0.120
1409	P-43(1)	8	J-56	J-194	200.0	mPVC	110.0	3.3509	6.8716	37	0.22	0.00	0.11	0.117
435	P253HLZ	126	B-063	B-064	100.0	mPVC	100.0	-0.4726	-0.1840	53	0.16	0.01	0.06	0.109
983	P303HLZ(2)	139	J-54	B-064	100.0	mPVC	100.0	-0.4711	-0.1803	54	0.15	0.02	0.06	0.108
1161	P-1(2)	59	J-104	J-2	100.0	mPVC	100.0	-0.4556	-0.2417	46	0.06	0.01	0.06	0.102
659	P300HLZ	63	B-021a	B-018	100.0	mPVC	100.0	0.4549	0.7869	50	0.10	0.01	0.06	0.101
841	P-7	74	S-052	J-7	100.0	mPVC	100.0	0.4397	0.4397	39	0.06	0.01	0.06	0.095
1002	P241HLZ(1)	39	B-049	J-60	100.0	mPVC	100.0	0.4378	1.4078	39	0.18	0.00	0.06	0.094
1027	P258HLZ(1)	76	B-056	J-68	100.0	mPVC	100.0	-0.4352	-0.1561	56	0.06	0.01	0.06	0.093
1420	P-24(1)	138	B-018a	J-197	100.0	mPVC	100.0	-0.4221	-0.1502	47	0.10	0.01	0.05	0.088
969	P275HLZ(2)(2)(2)	27	B-026	J-50	250.0	mPVC	110.0	5.1167	17.5807	60	0.36	0.00	0.10	0.087
955	P301HLZ(1)	88	B-024	J-46	100.0	mPVC	100.0	0.4182	0.4182	58	0.05	0.01	0.05	0.087
645	P314HLZ	68	B-036	B-028a	150.0	mPVC	100.0	1.1980	2.0873	47	0.12	0.01	0.07	0.084
666	P298HLZ	52	T-1001	B-026	250.0	mPVC	110.0	5.0518	12.1423	58	0.25	0.00	0.10	0.084
1284	P-139	271	J-152	S-027a	100.0	mPVC	100.0	-0.4009	-0.1143	58	0.05	0.02	0.05	0.080
840	P196HLZ(2)	148	J-7	S-019	100.0	mPVC	100.0	0.3973	0.3973	42	0.05	0.01	0.05	0.079
494	P197HLZ	216	S-019	S-009	100.0	mPVC	100.0	0.3973	0.3973	41	0.05	0.02	0.05	0.079
878	P236HLZ(1)	81	B-038	J-21	150.0	mPVC	100.0	-1.1386	-0.4297	43	0.13	0.01	0.06	0.077
1447	P-83(1)	45	L-1000	J-207	100.0	mPVC	100.0	0.3908	0.3908	54	0.05	0.00	0.05	0.077
1448	P-83(2)	39	J-207	J-109	100.0	mPVC	100.0	0.3908	0.3908	54	0.05	0.00	0.05	0.076
515	P176HLZ	48	S-026	S-025	150.0	mPVC	100.0	-1.1301	-0.3202	53	0.06	0.00	0.06	0.076
651	P308HLZ	117	B-036	B-036a	150.0	mPVC	100.0	1.1201	3.4204	47	0.19	0.01	0.06	0.075
963	P-38	64	J-48	B-024	100.0	mPVC	100.0	0.3834	0.3834	60	0.18	0.00	0.05	0.074
1280	P-138	185	S-008a	J-151	100.0	mPVC	100.0	0.3831	0.3831	42	0.05	0.01	0.05	0.074
644	P315HLZ	57	B-028a	B-028	150.0	mPVC	100.0	1.1083	2.8392	49	0.16	0.00	0.06	0.073
652	P307HLZ	193	S-008a	S-034	100.0	mPVC	100.0	0.3754	0.3754	42	0.05	0.01	0.05	0.071
536	P155HLZ	48	S-020	S-017	100.0	mPVC	100.0	0.3720	0.3720	36	0.05	0.00	0.05	0.070
844	P-9	67	J-8	S-022	100.0	mPVC	100.0	0.3695	0.3695	48	0.05	0.00	0.05	0.069
588	P349HLZ	96	S-120	S-052	100.0	mPVC	100.0	0.3689	0.3690	39	0.05	0.01	0.05	0.069
1273	P165HLZ(2)	99	J-150	S-035	100.0	mPVC	100.0	-0.3683	-0.1048	48	0.05	0.01	0.05	0.068
489	P202HLZ	286	S-037	S-013	100.0	mPVC	100.0	-0.3666	-0.1044	58	0.05	0.02	0.05	0.068
429	P259HLZ	184	B-057	B-056	100.0	mPVC	100.0	0.3663	0.9764	50	0.12	0.01	0.05	0.068
687	P287HLZ	76	S-044	S-044a	100.0	mPVC	100.0	0.3652	0.3652	56	0.05	0.01	0.05	0.067
1426	P285HLZ(1)	13	B-052	J-199	150.0	mPVC	100.0	-1.0568	-0.4058	41	0.16	0.00	0.06	0.067
1032	P-54	134	J-68	J-69	100.0	mPVC	100.0	-0.3618	-0.1436	55	0.15	0.01	0.05	0.066
511	P180HLZ	84	S-029	S-045	100.0	mPVC	100.0	0.3601	0.3601	56	0.05	0.01	0.05	0.066
951	P223HLZ(2)(1)	63	J-40	J-45	100.0	mPVC	100.0	0.3582	0.3582	50	0.08	0.00	0.05	0.065
362	P070LLZ	76	J-273	L-044	100.0	mPVC	100.0	-0.3546	-0.1338	47	0.05	0.00	0.05	0.064
379	P283HLZ	203	B-053	B-081	100.0	mPVC	100.0	0.3380	0.8657	33	0.11	0.01	0.04	0.058
363	P069LLZ	76	L-042	J-272	100.0	mPVC	100.0	0.3307	0.3307	46	0.04	0.00	0.04	0.056
1400	P294HLZ(2)(2)	68	J-191	B-018a	100.0	mPVC	100.0	-0.3274	-0.1173	43	0.10	0.00	0.04	0.055
999	P240HLZ(1)	164	B-044	J-59	150.0	mPVC	100.0	-0.9462	-0.3660	50	0.16	0.01	0.05	0.055
958	P275HLZ(1)	202	J-47	B-020	150.0	mPVC	100.0	0.9345	0.9345	60	0.06	0.01	0.05	0.053
1003	P241HLZ(2)	166	J-60	B-048	100.0	mPVC	100.0	-0.3204	-0.1196	40	0.07	0.01	0.04	0.053
373	P059LLZ	76	L-1005	L-042	100.0	mPVC	100.0	0.3157	0.3157	45	0.04	0.00	0.04	0.051
1042	P326HLZ(2)(1)	39	J-71	J-72	100.0	mPVC	100.0	-0.3133	-0.1261	38	0.16	0.00	0.04	0.051
522	P169HLZ	184	S-035	S-036	100.0	mPVC	100.0	0.3112	0.3112	51	0.04	0.01	0.04	0.050
1356	P060LLZ(1)(1)	54	L-1000	J-178	100.0	mPVC	100.0	0.3045	0.3045	54	0.04	0.00	0.04	0.048
1047	P-57	146	J-72	J-73	100.0	mPVC	100.0	-0.2996	-0.1151	37	0.10	0.01	0.04	0.047
458	P230HLZ	34	B-022	B-021	150.0	mPVC	100.0	0.8658	2.4299	56	0.14	0.00	0.05	0.046

	P229HLZ	29	B-023	B-022	150.0	mPVC	100.0	0.8525	1.0325	57	0.06	0.00	0.05	0.045
506	P185HLZ	116	S-030	S-029	100.0	mPVC	100.0	-0.2887	-0.0817	57	0.04	0.01	0.04	0.044
1275	P-136	10	S-034	J-11	100.0	mPVC	100.0	0.2864	0.2864	50	0.04	0.00	0.04	0.043
513	P178HLZ	125	S-025	S-043	100.0	mPVC	100.0	0.2850	0.2850	52	0.04	0.01	0.04	0.043
1045	P248HLZ(1)	76	B-054	J-73	100.0	mPVC	100.0	-0.2835	-0.1069	35	0.07	0.00	0.04	0.042
1171	P-85	77	J-109	J-107	100.0	mPVC	100.0	0.2796	0.2796	50	0.04	0.00	0.04	0.041
686	P288HLZ	146	S-044a	S-028	100.0	mPVC	100.0	0.2756	0.2756	53	0.04	0.01	0.04	0.040
881	P-22	137	B-031b	J-21	100.0	mPVC	100.0	-0.7996	-0.3055	49	0.11	0.01	0.05	0.040
531	P160HLZ	37	S-008	S-009	100.0	mPVC	100.0	0.2702	0.2702	41	0.03	0.00	0.03	0.038
490	P201HLZ	11	S-038	S-037	100.0	mPVC	100.0	-0.2679	-0.0766	58	0.03	0.00	0.03	0.038
403	P269HLZ	56	B-028	B-027	150.0	mPVC	100.0	0.7636	2.8053	53	0.16	0.00	0.04	0.037
395	P274HLZ	172	B-016	B-020	150.0	mPVC	100.0	-0.7569	1.0932	50	0.06	0.01	0.04	0.036
360	P072LLZ	63	J-272	J-274	100.0	mPVC	100.0	0.2598	0.2598	46	0.03	0.00	0.03	0.036
1283	P186HLZ(2)(2)(2)	56	J-152	S-038	100.0	mPVC	100.0	-0.2580	-0.0738	58	0.03	0.00	0.03	0.035
1357	P060LLZ(1)(2)	108	J-178	J-108	100.0	mPVC	100.0	0.2573	0.2573	55	0.03	0.00	0.03	0.035
639	P320HLZ	127	B-036a	B-025a	150.0	mPVC	100.0	0.7399	2.7505	49	0.16	0.00	0.04	0.035
593	P344HLZ	75	S-105	S-110	100.0	mPVC	100.0	0.2518	0.2518	42	0.03	0.00	0.03	0.034
1160	P-1(1)	59	L-1005	J-104	100.0	mPVC	100.0	-0.2507	-0.1289	45	0.03	0.00	0.03	0.034
1056	P322HLZ(1)	53	B-027	J-77	150.0	mPVC	100.0	0.7237	2.7912	55	0.16	0.00	0.04	0.033
1404	P-175	80	J-192	B-055	150.0	mPVC	100.0	-0.7130	-0.2949	51	0.18	0.00	0.04	0.032
643	P316HLZ	74	B-031a	B-031b	150.0	mPVC	100.0	-0.6997	-0.2587	48	0.06	0.00	0.04	0.031
823	P152HLZ(1)	25	S-014	J-1	150.0	mPVC	100.0	0.6905	0.6905	35	0.04	0.00	0.04	0.030
855	P186HLZ(2)(1)	42	J-12	J-13	100.0	mPVC	100.0	-0.2369	-0.0683	57	0.03	0.00	0.03	0.030
1524	P-211	64	T-1010	L-014	200.0	mPVC	110.0	1.5905	9.5449	64	0.30	0.00	0.05	0.030
535	P156HLZ	207	S-017	S-018	100.0	mPVC	100.0	0.2339	0.2339	39	0.03	0.01	0.03	0.030
1529	P042LLZ(2)(1)	145	J-101	PRV-9	200.0	mPVC	110.0	-1.5805	0.0000	50	0.30	0.00	0.05	0.029
1530	P042LLZ(2)(2)	54	PRV-9	L-014	200.0	mPVC	110.0	-1.5805	0.0000	65	0.30	0.00	0.05	0.029
886	P323HLZ(1)	34	B-023a	J-24	150.0	mPVC	100.0	0.6666	2.9407	55	0.17	0.00	0.04	0.029
1062	P-61	81	J-17	J-78	100.0	mPVC	100.0	-0.2288	-0.0935	54	0.13	0.00	0.03	0.028
1548	P084LLZ(2)(1)	106	P14 - Low Point	P-14 DemandB	100.0	mPVC	100.0	-0.2274	-0.2274	57	0.28	0.00	0.03	0.028
1063	P-62	176	B-036a	B-023b	100.0	mPVC	100.0	0.2205	0.6133	49	0.08	0.00	0.03	0.026
982	P303HLZ(1)	64	B-064a	J-54	100.0	mPVC	100.0	-0.2171	-0.0820	56	0.07	0.00	0.03	0.026
1399	P294HLZ(2)(1)	91	J-43	J-191	100.0	mPVC	100.0	-0.2169	-0.0790	47	0.09	0.00	0.03	0.026
1174	P060LLZ(2)(1)	116	J-108	J-110	100.0	mPVC	100.0	0.2148	0.2148	49	0.03	0.00	0.03	0.025
648	P311HLZ	62	B-038a	B-038	150.0	mPVC	100.0	-0.6204	-0.2361	44	0.08	0.00	0.04	0.025
359	P073LLZ	84	J-275	J-273	100.0	mPVC	100.0	-0.2128	-0.0750	46	0.03	0.00	0.03	0.025
1178	P-88	64	L-028	L-021	100.0	mPVC	100.0	-0.2122	-0.2122	55	0.15	0.00	0.03	0.025
481	P210HLZ	112	S-052	S-020	100.0	mPVC	100.0	-0.2088	-0.0594	39	0.03	0.00	0.03	0.024
679	P290HLZ	75	B-062	B-058a	100.0	mPVC	100.0	-0.2076	2.0385	59	0.26	0.00	0.03	0.024
1396	P-13(1)	111	J-13	P8 Low Point	100.0	mPVC	100.0	0.2048	0.2048	58	0.03	0.00	0.03	0.023
891	P318HLZ(1)(2)	69	J-25	J-23	150.0	mPVC	100.0	-0.5942	-0.2328	54	0.13	0.00	0.03	0.023
647	P312HLZ	77	B-031	B-031a	150.0	mPVC	100.0	-0.5903	-0.2272	51	0.09	0.00	0.03	0.023
462	P226HLZ	142	B-024	B-021	100.0	mPVC	100.0	-0.1994	-0.0808	58	0.14	0.00	0.03	0.022
1057	P322HLZ(2)	29	J-77	B-023a	150.0	mPVC	100.0	0.5706	3.1418	55	0.18	0.00	0.03	0.022
1061	P231HLZ(2)	52	J-78	B-029	150.0	mPVC	100.0	-0.5696	-0.2223	52	0.10	0.00	0.03	0.021
1278	P161HLZ(1)	57	S-010	J-151	100.0	mPVC	100.0	-0.1957	-0.0554	44	0.02	0.00	0.02	0.021
979	P260HLZ(1)	75	B-062	J-53	100.0	mPVC	100.0	0.1947	0.1958	59	0.12	0.00	0.02	0.021
638	P321HLZ	80	B-025a	B-025	150.0	mPVC	100.0	0.5650	3.4587	58	0.20	0.00	0.03	0.021
620	P327HLZ	145	B-049a	B-054	100.0	mPVC	100.0	-0.1936	-0.0749	35	0.07	0.00	0.02	0.021
507	P184HLZ	70	S-031	S-030	100.0	mPVC	100.0	-0.1935	-0.0554	56	0.02	0.00	0.02	0.021
884	P318HLZ(2)	89	J-23	B-030a	150.0	mPVC	100.0	-0.5595	-0.2240	55	0.14	0.00	0.03	0.021
887	P323HLZ(2)	47	J-24	B-023	150.0	mPVC	100.0	0.5321	3.0759	55	0.17	0.00	0.03	0.019
523	P168HLZ	80	S-036	S-026	100.0	mPVC	100.0	0.1818	0.1818	53	0.02	0.00	0.02	0.019
368	P064LLZ	20	L-1010	L-1015	100.0	mPVC	100.0	0.1831	0.1831	46	0.04	0.00	0.02	0.019
1176	P-87	35	J-110	L-1010	100.0	mPVC	100.0	0.1794	0.1794	46	0.02	0.00	0.02	0.018
942	P222HLZ(2)	160	J-42	B-016	100.0	mPVC	100.0	-0.1737	0.5546	47	0.07	0.00	0.02	0.017
1421	P-24(2)	43	J-197	J-25	150.0	mPVC	100.0	-0.5010	-0.1776	52	0.05	0.00	0.03	0.017
1028	P258HLZ(2)	110	J-68	B-055	100.0	mPVC	100.0	-0.1705	0.7977	55	0.10	0.00	0.02	0.016
1274	P-135	155	J-150	J-149	100.0	mPVC	100.0	0.1669	0.1669	48	0.02	0.00	0.02	0.016
949	P222HLZ(1)(2)	68	J-44	J-42	100.0	mPVC	100.0	-0.1655	-0.0577	45	0.02	0.00	0.02	0.016
952	P223HLZ(2)(2)	90	J-45	B-019	100.0	mPVC	100.0	0.1635	0.1635	51	0.04	0.00	0.02	0.015
858	P-14	118	S-054	J-12	100.0	mPVC	100.0	-0.1635	-0.0465	57	0.02	0.00	0.02	0.015
825	P-1	139	A-01	J-1	100.0	mPVC	100.0	-0.1595	-0.0449	37	0.02	0.00	0.02	0.014
875	P-20	76	J-20	B-038a	150.0	mPVC	100.0	-0.4603	-0.1719	43	0.05	0.00	0.03	0.014
619	P328HLZ	47	B-045	B-045a	150.0	mPVC	100.0	-0.4486	-0.1752	39	0.08	0.00	0.03	0.014
937	P223HLZ(1)	5	B-016	J-40	150.0	mPVC	100.0	0.4569	0.4569	50	0.03	0.00	0.03	0.014
450	P238HLZ	155	B-039	B-038	150.0	mPVC	100.0	-0.4483	-0.1688	38	0.05	0.00	0.03	0.014
463	P225HLZ	166	B-019	B-018	100.0	mPVC	100.0	-0.1522	-0.0539	55	0.05	0.00	0.02	0.013
640	P319HLZ	173	B-030a	B-030	150.0	mPVC	100.0	-0.4370	-0.1780	54	0.11	0.00	0.02	0.013
421	P049LLZ	63	B-070	B-072	100.0	mPVC	100.0	-0.1495	-0.0433	42	0.02	0.00	0.02	0.013
862	P065LLZ(1)	22	L-1015	J-15	100.0	mPVC	100.0	0.1477	0.1477	46	0.04	0.00	0.02	0.013
1000	P240HLZ(2)	55	J-59	B-045	150.0	mPVC	100.0	-0.4306	-0.1689	43	0.08	0.00	0.02	0.013
946	P-36	63	J-43	J-42	100.0	mPVC	100.0	0.1458	0.7154	47	0.09	0.00	0.02	0.012
634	P325HLZ	75	B-023b	B-023a	100.0	mPVC	100.0	0.1460	0.1467	56	0.02	0.00	0.02	0.012
1190	P-95	18	J-46	J-116	100.0	mPVC	100.0	0.1421	0.1421	57	0.02	0.00	0.02	0.012

	P347HLZ	43	S-110	S-115	100.0	mPVC	100.0	0.1423	0.1423	42	0.02	0.00	0.02	0.012
719	P078LLZ	59	J-277	J-275	100.0	mPVC	100.0	-0.1419	-0.0505	45	0.02	0.00	0.02	0.012
824	P152HLZ(2)	88	J-1	S-015	150.0	mPVC	100.0	0.3929	0.3929	35	0.02	0.00	0.02	0.011
956	P301HLZ(2)	155	J-46	B-021a	100.0	mPVC	100.0	0.1341	0.1341	57	0.05	0.00	0.02	0.011
460	P228HLZ	137	B-025	B-023	150.0	mPVC	100.0	0.3803	0.3857	59	0.12	0.00	0.02	0.010
649	P310HLZ	53	B-039a	B-039	150.0	mPVC	100.0	-0.3784	-0.1440	41	0.05	0.00	0.02	0.010
980	P260HLZ(2)	89	J-53	B-065	100.0	mPVC	100.0	0.1297	0.1298	59	0.05	0.00	0.02	0.010
1286	P-140	145	J-153	S-044	100.0	mPVC	100.0	-0.1294	-0.0373	53	0.02	0.00	0.02	0.010
1505	P-205	53	P14 Demand A	J-101	250.0	mPVC	110.0	-1.5407	1.7050	50	0.03	0.00	0.03	0.009
499	P192HLZ	136	S-045	S-047	100.0	mPVC	100.0	0.1212	0.1212	54	0.02	0.00	0.02	0.009
456	P232HLZ	67	B-031	B-029	150.0	mPVC	100.0	0.3448	1.7337	51	0.10	0.00	0.02	0.008
860	P-15	120	J-14	J-274	100.0	mPVC	100.0	-0.1181	-0.0331	45	0.02	0.00	0.02	0.008
1370	P-167	39	J-High School	L-016	150.0	mPVC	100.0	-0.3388	-0.2894	63	0.43	0.00	0.02	0.008
541	P150HLZ	135	S-015	S-016	100.0	mPVC	100.0	0.1167	0.1167	33	0.01	0.00	0.01	0.008
1043	P326HLZ(2)(2)	76	J-72	B-049a	100.0	mPVC	100.0	-0.1156	-0.0472	37	0.07	0.00	0.01	0.008
508	P183HLZ	33	S-032	S-031	100.0	mPVC	100.0	-0.1141	-0.0327	56	0.01	0.00	0.01	0.008
968	P275HLZ(2)(2)(1)	35	J-50	J-48	250.0	mPVC	110.0	1.3752	1.3752	59	0.05	0.00	0.03	0.007
1185	P-92	147	J-104	J-105	100.0	mPVC	100.0	0.1104	0.1998	46	0.03	0.00	0.01	0.007
1397	P-13(2)	82	P8 Low Point	S-039	100.0	mPVC	100.0	0.1061	0.1061	59	0.01	0.00	0.01	0.007
451	P237HLZ	238	B-030	B-032	150.0	mPVC	100.0	-0.2958	-0.1201	53	0.07	0.00	0.02	0.006
510	P181HLZ	63	S-045	S-046	100.0	mPVC	100.0	0.0995	0.0995	54	0.01	0.00	0.01	0.006
455	P233HLZ	74	B-029	B-028	150.0	mPVC	100.0	-0.2847	0.0085	51	0.02	0.00	0.02	0.006
1376	P-169	46	S-NEIGHBOURHOODCENTRE	S-055	150.0	mPVC	100.0	-0.2812	-0.1900	38	0.03	0.00	0.02	0.006
556	P027LLZ	119	L-042	L-044	100.0	mPVC	100.0	-0.0977	-0.0671	46	0.02	0.00	0.01	0.006
464	P224HLZ	78	B-018	B-017	100.0	mPVC	100.0	0.0975	0.3224	47	0.04	0.00	0.01	0.006
872	P265HLZ(2)	61	J-19	B-032	150.0	mPVC	100.0	0.2773	0.5275	50	0.03	0.00	0.02	0.006
839	P196HLZ(1)	38	S-018	J-7	100.0	mPVC	100.0	0.0958	0.0958	43	0.01	0.00	0.01	0.006
888	P-23	103	J-23	J-24	100.0	mPVC	100.0	-0.0946	0.1543	55	0.02	0.00	0.01	0.006
357	P075LLZ	80	J-274	J-276	100.0	mPVC	100.0	0.0944	0.0944	47	0.01	0.00	0.01	0.005
1060	P231HLZ(1)	57	B-030	J-78	150.0	mPVC	100.0	-0.2710	-0.1040	53	0.04	0.00	0.02	0.005
863	P065LLZ(2)	7	J-15	L-1005	100.0	mPVC	100.0	0.0886	0.0886	45	0.04	0.00	0.01	0.005
582	P001LLZ	28	L-016	L-SCHOOL	150.0	mPVC	100.0	0.2592	5.6708	64	0.32	0.00	0.01	0.005
984	P-41	159	J-53	J-54	100.0	mPVC	100.0	-0.0876	-0.0401	59	0.08	0.00	0.01	0.005
650	P309HLZ	251	B-032	B-039a	150.0	mPVC	100.0	-0.2480	-0.0970	49	0.04	0.00	0.01	0.005
961	P275HLZ(2)(1)	8	J-47	J-48	250.0	mPVC	110.0	-0.9818	1.0298	60	0.02	0.00	0.02	0.004
436	P252HLZ	125	B-062	B-063	100.0	mPVC	100.0	-0.0842	-0.0466	59	0.14	0.00	0.01	0.004
867	P-17	24	J-16	J-17	150.0	mPVC	100.0	-0.2422	-0.0884	54	0.03	0.00	0.01	0.004
874	P-19	205	J-19	J-20	150.0	mPVC	100.0	-0.2315	-0.0915	50	0.05	0.00	0.01	0.004
424	P046LLZ	198	B-070	B-078	100.0	mPVC	100.0	0.0797	0.0797	42	0.01	0.00	0.01	0.004
987	P284HLZ(2)	7	J-55	B-050	100.0	mPVC	100.0	0.0877	0.7870	43	0.10	0.00	0.01	0.004
1269	P167HLZ(2)(1)	15	J-148	J-149	100.0	mPVC	100.0	-0.0790	-0.0223	51	0.01	0.00	0.01	0.004
635	P324HLZ	75	B-025a	B-023b	100.0	mPVC	100.0	0.0752	0.0775	58	0.10	0.00	0.01	0.004
1172	P-86	127	J-107	L-1010	100.0	mPVC	100.0	0.0747	0.0747	50	0.01	0.00	0.01	0.004
865	P-16	45	B-030a	J-16	150.0	mPVC	100.0	-0.2123	-0.0778	54	0.03	0.00	0.01	0.004
438	P250HLZ	63	B-052	B-051	150.0	mPVC	100.0	-0.2134	0.4759	41	0.03	0.00	0.01	0.003
1148	P084LLZ(1)	47	L-1085	P14 - Low Point	100.0	mPVC	100.0	-0.0710	-0.0710	56	0.27	0.00	0.01	0.003
1387	P-174	20	J-188	J-155	100.0	mPVC	100.0	0.0697	0.0697	56	0.01	0.00	0.01	0.003
501	P190HLZ	186	S-002	S-003	100.0	mPVC	100.0	0.0694	0.0694	52	0.01	0.00	0.01	0.003
848	P-11	18	J-9	J-8	100.0	mPVC	100.0	-0.0697	-0.0201	47	0.01	0.00	0.01	0.003
509	P182HLZ	29	S-033	S-032	100.0	mPVC	100.0	-0.0663	-0.0180	55	0.01	0.00	0.01	0.003
1188	P-94	59	B-019	J-115	100.0	mPVC	100.0	0.0631	0.0631	55	0.01	0.00	0.01	0.003
1272	P165HLZ(1)	50	S-011	J-150	100.0	mPVC	100.0	-0.0632	-0.0176	46	0.01	0.00	0.01	0.003
1179	P-89	90	J-107	J-105	100.0	mPVC	100.0	0.0632	0.0632	50	0.02	0.00	0.01	0.003
953	P-37	172	J-44	J-45	100.0	mPVC	100.0	0.0579	0.3745	45	0.05	0.00	0.01	0.002
871	P265HLZ(1)	70	B-031	J-19	150.0	mPVC	100.0	0.1556	0.1556	51	0.01	0.00	0.01	0.002
720	P077LLZ	83	L-043	J-277	100.0	mPVC	100.0	-0.0467	-0.0166	44	0.01	0.00	0.01	0.002
655	P304HLZ	55	S-013	S-027a	100.0	mPVC	100.0	0.0463	0.0463	53	0.01	0.00	0.01	0.002
585	P350HLZ	79	S-042	S-024	100.0	mPVC	100.0	0.0468	0.0468	50	0.01	0.00	0.01	0.002
1052	P-58	31	J-75	S-015	150.0	mPVC	100.0	-0.1381	-0.0389	33	0.01	0.00	0.01	0.002
482	P209HLZ	61	S-054	S-041	100.0	mPVC	100.0	0.0409	0.0409	57	0.01	0.00	0.01	0.001
1296	P-144	25	J-156	J-157	100.0	mPVC	100.0	-0.0360	-0.0105	35	0.00	0.00	0.00	0.001
569	P014LLZ	67	L-013	L-018	100.0	mPVC	100.0	0.0384	0.0384	52	0.27	0.00	0.00	0.001
1155	P144LLZ(2)	37	J-103	B-074	100.0	mPVC	100.0	0.0399	0.0399	46	0.01	0.00	0.01	0.001
484	P207HLZ	81	S-033	S-041	100.0	mPVC	100.0	0.0365	0.0365	55	0.00	0.00	0.00	0.001
361	P071LLZ	123	J-272	J-273	100.0	mPVC	100.0	-0.0354	-0.0220	46	0.01	0.00	0.00	0.001
1058	P-60	76	J-76	J-77	150.0	mPVC	100.0	-0.1033	0.3733	54	0.02	0.00	0.01	0.001
1186	P-93	24	J-105	J-106	100.0	mPVC	100.0	0.0318	0.0318	48	0.00	0.00	0.00	0.001
1303	P-148	12	J-160	B-049a	100.0	mPVC	100.0	-0.0360	-0.0105	35	0.00	0.00	0.00	0.001
485	P206HLZ	100	S-039	S-040	100.0	mPVC	100.0	0.0312	0.0312	58	0.00	0.00	0.00	0.001
1054	P-59	12	J-17	J-76	150.0	mPVC	100.0	-0.0534	0.3877	54	0.02	0.00	0.00	0.001
461	P227HLZ	62	B-026	B-025	150.0	mPVC	100.0	-0.0849	-0.0649	60	0.31	0.00	0.00	0.001
1170	P-84	70	J-109	J-108	100.0	mPVC	100.0	0.0284	0.0284	50	0.00	0.00	0.00	0.001
1298	P-145	37	J-158	B-054	100.0	mPVC	100.0	-0.0240	-0.0070	35	0.00	0.00	0.00	0.000
486	P205HLZ	117	S-054	S-039	100.0	mPVC	100.0	0.0239	0.0239	57	0.00	0.00	0.00	0.000
356	P076LLZ	158	J-276	L-043	100.0	mPVC	100.0	0.0242	0.0242	46	0.00	0.00	0.00	0.000

	P079LLZ	120	J-276	J-277	100.0	mPVC	100.0	-0.0244	-0.0094	46	0.00	0.00	0.00	0.000
817	P-1	88	S-016	A-01	100.0	mPVC	100.0	-0.0214	-0.0060	35	0.00	0.00	0.00	0.000
1270	P167HLZ(2)(2)	74	J-149	S-036	100.0	mPVC	100.0	-0.0208	-0.0048	52	0.00	0.00	0.00	0.000
498	P193HLZ	125	S-047	S-032	100.0	mPVC	100.0	0.0216	0.0216	54	0.00	0.00	0.00	0.000
1279	P161HLZ(2)	108	J-151	S-034	100.0	mPVC	100.0	0.0196	0.0196	46	0.00	0.00	0.00	0.000
890	P318HLZ(1)(1)	60	B-022	J-25	150.0	mPVC	100.0	-0.0533	-0.0365	56	0.08	0.00	0.00	0.000
483	P208HLZ	195	S-041	S-040	100.0	mPVC	100.0	0.0181	0.0181	56	0.00	0.00	0.00	0.000
876	P-21	75	B-039a	J-20	150.0	mPVC	100.0	-0.0492	0.0369	41	0.00	0.00	0.00	0.000
852	P186HLZ(1)	49	S-030	J-12	100.0	mPVC	100.0	-0.0141	-0.0050	57	0.00	0.00	0.00	0.000
646	P313HLZ	108	B-031a	B-038a	150.0	mPVC	100.0	-0.0403	-0.0211	48	0.03	0.00	0.00	0.000
1407	P261HLZ(2)	72	P9 Low Point	B-066	100.0	mPVC	100.0	0.0139	0.0139	61	0.00	0.00	0.00	0.000
1011	P-48	169	J-61	J-62	100.0	mPVC	100.0	0.0107	0.4823	41	0.06	0.00	0.00	0.000
657	P302HLZ	96	B-065	B-064a	100.0	mPVC	100.0	-0.0090	-0.0077	58	0.06	0.00	0.00	0.000
414	P262HLZ	122	B-042	B-041	250.0	mPVC	110.0	-0.1018	-0.0295	44	0.00	0.00	0.00	0.000
480	P041LLZ	231	L-013	P14 Demand A	250.0	mPVC	110.0	-0.0682	2.1148	52	0.04	0.00	0.00	0.000
354	PRV-2-A	2	823-A	PRV-2	250.0	mPVC	110.0	0.0000	0.0000	39	0.00	0.00	0.00	0.000
355	PRV-2-B	3	PRV-2	823-B	250.0	mPVC	110.0	0.0000	0.0001	38	0.00	0.00	0.00	0.000
382	P281HLZ	39	823-B	B-079	250.0	mPVC	110.0	0.0000	0.0000	38	0.00	0.00	0.00	0.000
383	P280HLZ	154	B-079	B-042	250.0	mPVC	110.0	-0.0399	-0.0115	39	0.00	0.00	0.00	0.000
384	P279HLZ	87	TeviotRdConnection1	823-A	250.0	mPVC	110.0	0.0060	0.0060	0	0.00	0.00	0.00	0.000
385	P366LLZIRRIG	15	L-SCHOOL	I-SCHOOL	150.0	mPVC	100.0	0.0000	5.4000	64	0.31	0.00	0.00	0.000
410	P264HLZ	34	B-039	B-040	150.0	mPVC	100.0	0.0200	0.0200	38	0.00	0.00	0.00	0.000
500	P191HLZ	37	S-003	B-066	100.0	mPVC	100.0	0.0000	0.0000	60	0.00	0.00	0.00	0.000
642	P317HLZ	65	B-031b	B-028a	150.0	mPVC	100.0	0.0001	0.7874	49	0.04	0.00	0.00	0.000
661	P123LLZ	4	T-1005	L-SPORT&RECCLUBHOUSE	150.0	mPVC	100.0	0.0840	10.8880	62	0.62	0.00	0.00	0.000
706	P091LLZ	117	L-027	L-027a	100.0	mPVC	100.0	0.0000	0.0000	53	0.00	0.00	0.00	0.000
714	P083LLZ	257	L-018	L-1085	100.0	mPVC	100.0	-0.0014	-0.0014	53	0.27	0.00	0.00	0.000
827	P-2	26	A-01	J-2	100.0	mPVC	100.0	0.0000	0.0000	37	0.00	0.00	0.00	0.000
829	P-3	27	J-3	S-016	100.0	mPVC	100.0	0.0000	0.0000	35	0.00	0.00	0.00	0.000
831	P-4	41	S-017	J-4	100.0	mPVC	100.0	0.0000	0.0000	39	0.00	0.00	0.00	0.000
833	P-5	137	S-120	J-5	100.0	mPVC	100.0	0.0000	0.0000	39	0.00	0.00	0.00	0.000
948	P222HLZ(1)(1)	10	B-017	J-44	100.0	mPVC	100.0	0.0028	0.2929	45	0.04	0.00	0.00	0.000
1146	P-76	189	I-SPORT&RECPARK	J-101	200.0	mPVC	120.0	0.0000	0.0000	54	0.34	0.00	0.00	0.000
1305	P-149	62	S-019	J-161	100.0	mPVC	100.0	0.0000	0.0000	41	0.00	0.00	0.00	0.000
1329	P-157	18	J-1	J-AFL maintenance shed	150.0	mPVC	100.0	0.0000	0.0000	62	0.00	0.00	0.00	0.000
1368	P-166	20	J-180	J-181	100.0	mPVC	100.0	0.0000	0.0000	58	0.00	0.00	0.00	0.000
1375	P-168	4	J-184	J-Primary School	200.0	mPVC	110.0	0.0000	0.0000	65	0.00	0.00	0.00	0.000
1406	P261HLZ(1)	29	B-065	P9 Low Point	100.0	mPVC	100.0	0.0139	0.0139	58	0.00	0.00	0.00	0.000
1467	P-189	13	J-High School	I-High School	150.0	mPVC	100.0	0.0000	7.2400	63	0.41	0.00	0.00	0.000
1499	P-202	6	L-SPORT&RECCLUBHOUSE	I-Sport and Rec Irrigation Node	150.0	Ductile Iron	100.0	0.0000	10.8000	59	0.61	0.00	0.00	0.000
1523	P-210(2)	13	J-223	L-014	200.0	mPVC	110.0	0.0000	0.0000	65	0.00	0.00	0.00	0.000
1526	P-210(1)(1)	140	L-027	PRV-8	100.0	mPVC	100.0	0.0000	0.0000	53	0.00	0.00	0.00	0.000
1527	P-210(1)(2)	7	PRV-8	J-223	100.0	mPVC	100.0	0.0000	0.0000	75	0.00	0.00	0.00	0.000
401	P271HLZ	27	B-005	B-006	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
402	P270HLZ	33	B-004	B-005	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
468	P220HLZ	152	B-012	B-014	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
470	P218HLZ	206	B-011	B-006	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
471	P217HLZ	100	B-007	B-011	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
472	P216HLZ	102	B-006	B-007	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
473	P215HLZ	34	B-004	B-010	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
474	P214HLZ	26	B-003	B-004	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
475	P213HLZ	118	B-009	B-003	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
476	P212HLZ	262	B-002	B-009	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
477	P211HLZ	77	B-002	B-003	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
544	P039LLZ	174	L-ECO-002	L-ECO-003	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
545	P038LLZ	133	L-041	L-013	250.0	mPVC	110.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
548	P035LLZ	50	L-002	L-003	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
550	P033LLZ	310	RoundMt	L-001	250.0	mPVC	110.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
551	P032LLZ	125	L-035	L-036	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
553	P030LLZ	227	L-009	L-010	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
554	P029LLZ	126	L-004	L-009	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
571	P012LLZ	80	L-039	L-037	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
574	P009LLZ	75	L-036	L-038	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
575	P008LLZ	79	L-012	L-007	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
576	P007LLZ	61	L-006	L-008	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
580	P003LLZ	76	L-005	L-006	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
584	P351HLZ	43	S-033	B-075	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
601	P336HLZ	41	B-066	B-067	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
608	P139LLZ	179	L-040a	L-040	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
610	P137LLZ	64	L-034a	L-035	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
611	P136LLZ	150	L-034	L-034a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
612	P335HLZ	105	B-016a	B-016	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
613	P334HLZ	114	B-013	B-016a	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
614	P333HLZ	129	B-014a	B-015	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
615	P332HLZ	75	B-014	B-014a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)

624	P135LLZ	83	L-ECO-008	L-ECO-006	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
624	P133LLZ	68	L-ECO-006	L-ECO_007	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
627	P130LLZ	259	L-ECO-006	L-ECO-002	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
628	P129LLZ	97	L-ECO-001	L-ECO-005	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
629	P128LLZ	178	L-ECO-005	L-ECO-004	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
630	P127LLZ	103	L-010a	L-ECO-005	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
631	P126LLZ	95	L-010a	L-012	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
633	P124LLZ	128	L-005	L-007	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
668	P119LLZ	81	L-035a	L-045	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
672	P116LLZ	224	L-008a	L-008	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
894	P-25	63	B-014a	J-26	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
896	P221HLZ(1)	74	B-012	J-27	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
897	P221HLZ(2)	44	J-27	B-013	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
898	P-26	88	J-26	J-27	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
900	P-27	149	J-28	J-26	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
905	P-30	116	J-28	B-016a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
907	P138LLZ(1)	33	L-038	J-31	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
909	P-31	240	L-034a	J-31	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
911	P118LLZ(1)	3	L-035a	J-32	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
912	P118LLZ(2)	181	J-32	L-035	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
914	P011LLZ(1)	36	L-036	J-33	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
915	P011LLZ(2)	88	J-33	L-037	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
916	P-32	152	J-32	J-33	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
919	P117LLZ(1)	113	L-037	J-35	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
920	P117LLZ(2)	74	J-35	L-035a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
921	P-33	44	J-35	J-34	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
923	P013LLZ(1)	30	L-038	J-36	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
924	P013LLZ(2)	126	J-36	L-039	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
926	P138LLZ(2)(1)	192	J-31	J-37	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
927	P138LLZ(2)(2)	8	J-37	L-040a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
930	P-34(1)	75	J-36	J-38	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
931	P-34(2)	71	J-38	J-37	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
933	P010LLZ(1)	62	L-040	J-39	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
934	P010LLZ(2)	81	J-39	L-039	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
935	P-35	162	J-38	J-39	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
944	P294HLZ(1)	111	B-015	J-43	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1065	P006LLZ(1)	15	L-008	J-79	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1069	P131LLZ(2)	131	J-80	L-ECO_007	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1072	P132LLZ(2)	82	J-81	L-ECO-002	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1074	P132LLZ(1)(1)	72	L-ECO_007	J-82	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1075	P132LLZ(1)(2)	77	J-82	J-81	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1078	P040LLZ(2)	101	J-83	L-ECO-004	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1079	P-63	163	J-83	J-82	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1081	P040LLZ(1)(1)	19	L-ECO-003	J-84	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1082	P040LLZ(1)(2)	82	J-84	J-83	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1083	P-64	136	J-84	J-81	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1085	P134LLZ(1)	78	L-008a	J-85	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1086	P134LLZ(2)	92	J-85	L-ECO-008	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1088	P131LLZ(1)(1)	108	L-ECO-001	J-86	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1089	P131LLZ(1)(2)	64	J-86	J-80	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1090	P-65	166	J-86	L-ECO-008	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1091	P-66	170	L-ECO-001	J-85	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1093	P115LLZ(1)	71	L-007	J-87	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1094	P115LLZ(2)	67	J-87	L-008a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1095	P-67	183	L-006	J-87	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1098	P031LLZ(2)	105	J-88	L-012	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1100	P031LLZ(1)(1)	76	L-009	J-89	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1101	P031LLZ(1)(2)	122	J-89	J-88	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1103	P125LLZ(1)	74	L-010	J-90	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1104	P125LLZ(2)	93	J-90	L-010a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1105	P-68	76	J-89	J-90	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1108	P004LLZ(2)	39	J-91	L-005	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1109	P-69	76	J-88	J-91	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1111	P004LLZ(1)(1)	51	L-004	J-92	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1112	P004LLZ(1)(2)	25	J-92	J-91	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1114	P006LLZ(2)(1)	64	J-79	J-93	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1118	P006LLZ(2)(2)(1)	3	J-93	J-94	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1119	P006LLZ(2)(2)(2)	150	J-94	L-003	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1121	P037LLZ(1)	7	L-045	J-95	250.0	mPVC	110.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1122	P037LLZ(2)	145	J-95	L-041	250.0	mPVC	110.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1123	P-71	64	J-94	J-95	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1128	P-70(1)	77	J-92	J-97	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1129	P-70(2)	75	J-97	J-93	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1130	P-72	122	J-96	J-97	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1132	P005LLZ(1)(1)	58	L-003	J-98	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)

1134	P005LLZ(1)(2)	54	J-98	J-96	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1139	P-73	28	J-98	B-010	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1140	P028LLZ(1)	24	L-002	J-100	250.0	mPVC	110.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1141	P028LLZ(2)	126	J-100	L-045	250.0	mPVC	110.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1142	P-74	100	L-001	L-002	250.0	mPVC	110.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1300	P-75	42	L-034	J-100	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1301	P-146	29	J-159	J-28	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1414	P-147	58	L-ECO-004	J-80	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1415	P-176	32	B-008	L-004	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1417	P-177	56	J-96	B-008	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1418	P296HLZ(1)	12	B-012	J-196	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1508	P296HLZ(2)	79	J-196	B-002	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1509	P219HLZ(1)	61	B-007	J-221	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1551	P219HLZ(2)	28	J-221	B-008	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1552	P-142(1)	28	B-068a	J-227	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1554	P-142(2)	36	J-227	S-044a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1555	P-143(1)	25	B-068b	J-228	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1557	P-143(2)	40	J-228	S-046	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1558	P-153(1)	22	J-164	J-229	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1558	P-153(2)	37	J-229	S-047	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)

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Scenario: Interim (ROL 13) - PRV Firefighting FLOW
Current Time Step: 15.500 h
FlexTable: Pipe Table

ID	Label	Length (Scaled) (m)	Start Node	Stop Node	Diameter (mm)	Material	Hazen- Williams C	Flow (L/s)	Flow (Maximum) (L/s)	Pressure (Start) (m H2O)	Velocity (Maximum) (m/s)	Headloss (m)	Velocity (m/s)	Headloss Gradient (m/km)
569	P014LLZ	67	L-013	L-018	100.0	mPVC	100.0	10.2612	10.2612	51	1.31	2.19	1.31	32.492
714	P083LLZ	257	L-018	L-1085	100.0	mPVC	100.0	10.2311	10.2311	51	1.30	8.29	1.30	32.315
1148	P084LLZ(1)	47	L-1085	P14 - Low Point	100.0	mPVC	100.0	10.1783	10.1783	46	1.30	1.52	1.30	32.007
685	P110LLZ	93	B-068a	B-068	100.0	mPVC	100.0	-8.8652	-2.4310	43	1.13	2.32	1.13	24.783
683	P112LLZ	64	B-068b	B-068a	100.0	mPVC	100.0	-8.7593	-2.3816	40	1.12	1.54	1.12	24.238
684	P111LLZ	42	B-069	B-068b	100.0	mPVC	100.0	-8.7215	-2.3640	40	1.11	1.02	1.11	24.044
1313	P047LLZ(2)	33	J-164	B-069	100.0	mPVC	100.0	-8.6761	-2.3428	39	1.10	0.78	1.10	23.813
1312	P047LLZ(1)	151	B-075	J-164	100.0	mPVC	100.0	-8.6005	-2.3075	36	1.10	3.54	1.10	23.430
1481	P-196	42	J-231	B-076	100.0	mPVC	100.0	8.5400	8.5400	35	1.09	0.98	1.09	23.126
1480	P-195	38	B-075	J-231	100.0	mPVC	100.0	8.5400	8.5400	36	1.09	0.89	1.09	23.126
1442	P-77(1)	53	L-027a	J-205	100.0	mPVC	100.0	6.0546	6.1365	47	0.78	0.64	0.77	12.231
1443	P-77(2)	124	J-205	L-019	100.0	mPVC	100.0	6.0546	6.1365	46	0.78	1.52	0.77	12.231
707	P090LLZ	31	L-027a	L-028	100.0	mPVC	100.0	-6.0546	-1.1327	47	0.78	0.38	0.77	12.231
1549	P084LLZ(2)(2)	84	P-14 DemandB	L-019	100.0	mPVC	100.0	-6.0244	-1.1186	45	0.78	1.02	0.77	12.118
1361	P143LLZ(1)	25	B-076	J-179	100.0	mPVC	100.0	5.2843	5.2843	37	0.67	0.24	0.67	9.506
1362	P143LLZ(2)	62	J-179	L-047	100.0	mPVC	100.0	5.2465	5.2465	37	0.67	0.58	0.67	9.380
1410	P-43(2)	81	J-194	B-082	100.0	mPVC	100.0	5.0591	6.8522	36	0.87	0.71	0.64	8.769
1548	P084LLZ(2)(1)	106	P14 - Low Point	P-14 DemandB	100.0	mPVC	100.0	-4.9397	-0.2274	45	0.66	0.89	0.63	8.390
1309	P-152	10	J-56	J-74	200.0	mPVC	110.0	-30.4139	-7.3975	36	1.32	0.07	0.97	6.962
417	P053LLZ	65	L-024	L-047	100.0	mPVC	100.0	-4.2069	-1.0932	38	0.54	0.40	0.54	6.232
1152	P-79	61	L-033	B-071a	100.0	mPVC	100.0	-3.8112	-0.9426	39	0.49	0.32	0.49	5.190
1353	P-49(2)	106	J-177	J-56	200.0	mPVC	110.0	-25.3129	-6.1385	41	1.10	0.53	0.81	4.955
1352	P-49(1)	52	B-077	J-177	200.0	mPVC	110.0	-25.2393	-6.1045	42	1.10	0.26	0.80	4.928
973	P367LLZIRRIG(1)(1)(2)	5	J-51	J-49	150.0	mPVC	100.0	10.2658	17.3720	58	0.98	0.02	0.58	4.512
561	P022LLZ	79	L-028	L-031	100.0	mPVC	100.0	-3.4633	-0.7802	47	0.44	0.34	0.44	4.347
664	P121LLZ	130	T-1010	L-015	150.0	mPVC	100.0	9.8983	16.9744	61	0.96	0.55	0.56	4.218
568	P015LLZ	25	L-015	L-016	150.0	mPVC	100.0	9.8983	16.9744	60	0.96	0.10	0.56	4.218
418	P052LLZ	55	B-073	B-076	100.0	mPVC	100.0	-3.2330	-0.8802	36	0.41	0.21	0.41	3.827
1512	P-207	177	J-49	J-1	200.0	mPVC	110.0	21.4637	37.2648	58	1.19	0.65	0.68	3.651
725	P367LLZIRRIG(2)	128	J-1	T-1005	200.0	mPVC	110.0	21.4637	37.2648	59	1.19	0.47	0.68	3.651
1374	P122LLZ(2)	19	J-184	T-1010	200.0	mPVC	110.0	21.3316	26.3988	61	0.84	0.07	0.68	3.609
1373	P122LLZ(1)	294	T-1005	J-184	200.0	mPVC	110.0	21.3316	26.3988	59	0.84	1.06	0.68	3.609
583	P148HLZ	81	B-041	B-043	200.0	mPVC	110.0	-21.1864	-4.5505	48	1.00	0.29	0.67	3.564
1541	P002LLZ(1)	132	L-016	J-225	150.0	mPVC	100.0	8.9787	8.9787	59	0.51	0.46	0.51	3.521
1542	P002LLZ(2)	43	J-225	L-017	150.0	mPVC	100.0	8.9787	8.9787	57	0.51	0.15	0.51	3.521
419	P051LLZ	102	B-072	B-073	100.0	mPVC	100.0	-3.0893	-0.8131	34	0.39	0.36	0.39	3.518
1477	P-193	25	B-067	J-230	150.0	mPVC	100.0	-8.9636	-2.4769	55	0.51	0.09	0.51	3.510
1478	P-194	27	J-230	L-017	150.0	mPVC	100.0	-8.9636	-2.4769	55	0.51	0.10	0.51	3.510
1564	P044LLZ(2)	31	PRV-11	B-067	150.0	mPVC	100.0	-8.9484	-2.4698	54	0.51	0.11	0.51	3.499
1563	P044LLZ(1)	28	B-068	PRV-11	150.0	mPVC	100.0	-8.9484	-2.4698	49	0.51	0.10	0.51	3.499
597	P340HLZ	116	TeviotRoadConnection2	1227-A	250.0	mPVC	110.0	36.9223	44.4197	0	0.90	0.39	0.75	3.362
596	P341HLZ	29	1227-B	S-055	250.0	mPVC	110.0	36.9223	44.4197	27	0.90	0.10	0.75	3.362
351	PRV-3-A	6	1227-A	PRV-3	250.0	mPVC	110.0	36.9223	44.4197	27	0.90	0.02	0.75	3.362
352	PRV-3-B	7	PRV-3	1227-B	250.0	mPVC	110.0	36.9223	44.4197	27	0.90	0.02	0.75	3.362
1024	P-52	87	J-67	B-077	150.0	mPVC	100.0	-8.6562	-2.1273	45	0.66	0.28	0.49	3.290
1336	P337HLZ(2)(1)	175	J-74	J-173	250.0	mPVC	110.0	-36.4587	-10.1885	36	0.90	0.58	0.74	3.284
1337	P337HLZ(2)(2)	175	J-173	S-055	250.0	mPVC	110.0	-36.4587	-10.1885	35	0.90	0.58	0.74	3.284
682	P113LLZ	99	B-072	B-071a	100.0	mPVC	100.0	2.9154	2.9154	34	0.37	0.31	0.37	3.160
376	P286HLZ	66	B-082	B-080	100.0	mPVC	100.0	2.9136	3.9529	32	0.50	0.21	0.37	3.156
1023	P-51	42	B-055b	J-67	100.0	mPVC	100.0	-2.7722	-0.6298	45	0.51	0.12	0.35	2.878
975	P291HLZ(1)	4	B-058a	J-52	100.0	mPVC	100.0	2.6403	4.6755	56	0.60	0.01	0.34	2.628
1178	P-88	64	L-028	L-021	100.0	mPVC	100.0	-2.5988	-0.2122	47	0.34	0.16	0.33	2.554
992	P-44	27	J-57	B-037	150.0	mPVC	100.0	7.1949	9.7940	48	0.55	0.06	0.41	2.336
390	P277HLZ	62	B-051	B-077	200.0	mPVC	110.0	-16.5411	-3.9578	42	0.73	0.14	0.53	2.253
439	P249HLZ	107	B-051	B-046	200.0	mPVC	110.0	16.5210	23.2724	42	0.74	0.24	0.53	2.248
976	P291HLZ(2)	59	J-52	B-058	100.0	mPVC	100.0	-2.3995	-0.5490	55	0.44	0.13	0.31	2.203
1403	P244HLZ(2)(2)	2	J-192	B-043	200.0	mPVC	110.0	15.5684	23.0103	50	0.73	0.00	0.50	2.014
697	P100LLZ	88	L-1055	L-033	100.0	mPVC	100.0	-2.1480	-0.5127	42	0.27	0.16	0.27	1.795
442	P246HLZ	58	B-048	B-050	100.0	mPVC	100.0	-2.1292	-0.4770	44	0.39	0.10	0.27	1.766
1034	P244HLZ(1)	33	B-046	J-70	200.0	mPVC	110.0	14.4635	20.6855	46	0.66	0.06	0.46	1.757
1151	P-78	62	L-031	L-1055	100.0	mPVC	100.0	-2.0951	-0.4880	44	0.27	0.11	0.27	1.713
1157	P-81	142	L-022	L-024	100.0	mPVC	100.0	-2.0932	-0.5222	42	0.27	0.24	0.27	1.711
370	P062LLZ	77	L-024	J-269	100.0	mPVC	100.0	2.0834	2.0834	38	0.27	0.13	0.27	1.696
366	P066LLZ	76	J-269	L-1020	100.0	mPVC	100.0	2.0387	2.0387	38	0.26	0.12	0.26	1.629

560	P023LLZ	111	L-021	L-022	100.0	mPVC	100.0	-2.0327	-0.4940	45	0.26	0.18	0.26	1.620
1402	P244HLZ(2)(1)	80	J-70	J-192	200.0	mPVC	110.0	13.6913	19.8118	47	0.63	0.13	0.44	1.588
1427	P285HLZ(2)	129	J-199	B-082	100.0	mPVC	100.0	-2.0089	-0.4640	39	0.36	0.20	0.26	1.585
1025	P-53	57	J-67	J-66	150.0	mPVC	100.0	5.8315	7.6407	45	0.43	0.09	0.33	1.583
437	P251HLZ	109	B-064	B-061	100.0	mPVC	100.0	-1.9466	-0.4712	47	0.32	0.16	0.25	1.496
808	P067LLZ(1)	68	L-1020	J-2	100.0	mPVC	100.0	1.9405	1.9405	39	0.25	0.10	0.25	1.487
449	P239HLZ	63	B-043	B-044	150.0	mPVC	100.0	-5.6226	-1.2060	50	0.47	0.09	0.32	1.480
1038	P326HLZ(1)	24	B-049	J-71	100.0	mPVC	100.0	-1.9243	-0.3980	38	0.37	0.03	0.25	1.464
677	P292HLZ	227	B-059	B-058a	100.0	mPVC	100.0	1.8386	2.6731	45	0.34	0.30	0.23	1.345
972	P367LLZIRRIG(1)(1)(1)	91	T-1001	J-51	150.0	mPVC	100.0	5.2995	9.2592	57	0.52	0.12	0.30	1.326
441	P247HLZ	88	B-050	B-052	100.0	mPVC	100.0	-1.7559	-0.4500	41	0.29	0.11	0.22	1.235
1340	P282HLZ(1)	37	B-080	J-174	100.0	mPVC	100.0	1.7461	2.3240	31	0.30	0.04	0.22	1.223
997	P-46	27	B-041	J-57	250.0	mPVC	110.0	21.0940	31.2840	48	0.64	0.03	0.43	1.192
1367	P-40(2)(2)(2)	65	J-181	J-52	150.0	mPVC	100.0	-4.9662	-0.8712	56	0.46	0.08	0.28	1.176
1334	P-40(2)(1)(2)	54	J-AFL Club House	J-168	150.0	mPVC	100.0	-4.9662	-0.8712	56	0.46	0.06	0.28	1.176
1320	P-40(1)	139	J-166	J-51	150.0	mPVC	100.0	4.9662	8.1128	56	0.46	0.16	0.28	1.176
1366	P-40(2)(2)(1)	68	J-168	J-181	150.0	mPVC	100.0	-4.9662	-0.8712	56	0.46	0.08	0.28	1.176
1333	P-40(2)(1)(1)	70	J-166	J-AFL Club House	150.0	mPVC	100.0	-4.9662	-0.8712	56	0.46	0.08	0.28	1.176
617	P330HLZ	80	B-055	B-055a	100.0	mPVC	100.0	-1.6791	-0.3693	51	0.31	0.09	0.21	1.137
1524	P-211	64	T-1010	L-014	200.0	mPVC	110.0	11.4333	11.4333	61	0.36	0.07	0.36	1.137
1529	P042LLZ(2)(1)	145	J-101	PRV-9	200.0	mPVC	110.0	-11.4258	0.0000	50	0.36	0.16	0.36	1.136
1530	P042LLZ(2)(2)	54	PRV-9	L-014	200.0	mPVC	110.0	-11.4258	0.0000	61	0.36	0.06	0.36	1.136
1341	P282HLZ(2)	41	J-174	B-053	100.0	mPVC	100.0	1.6603	2.2842	31	0.29	0.05	0.21	1.114
970	P-39	110	J-50	J-49	200.0	mPVC	110.0	11.1979	19.8928	57	0.63	0.12	0.36	1.094
1030	P293HLZ(1)	94	B-055b	J-69	100.0	mPVC	100.0	1.6426	2.2881	45	0.29	0.10	0.21	1.092
446	P242HLZ	41	B-048	B-047	100.0	mPVC	100.0	1.6402	2.5112	44	0.32	0.04	0.21	1.089
1020	P-50(1)	13	J-65	J-66	150.0	mPVC	100.0	-4.7562	-1.1755	46	0.36	0.01	0.27	1.086
1154	P144LLZ(1)	90	L-033	J-103	100.0	mPVC	100.0	1.6179	1.6179	39	0.21	0.10	0.21	1.062
1017	P254HLZ(2)	231	J-65	B-058	100.0	mPVC	100.0	1.5001	2.1836	46	0.28	0.21	0.19	0.923
1156	P-80	166	L-1050	J-103	100.0	mPVC	100.0	-1.4515	-0.3311	44	0.18	0.14	0.18	0.868
700	P097LLZ	31	L-031	L-1050	100.0	mPVC	100.0	-1.3985	-0.3064	44	0.18	0.03	0.18	0.811
453	P235HLZ	60	B-037	B-036	150.0	mPVC	100.0	3.9888	5.5432	47	0.31	0.05	0.23	0.783
1010	P243HLZ(2)	79	J-62	B-044	150.0	mPVC	100.0	3.8292	5.5292	47	0.31	0.06	0.22	0.726
1259	P342HLZ(1)	50	S-004	J-146	100.0	mPVC	100.0	1.3091	1.7288	36	0.22	0.04	0.17	0.717
1007	P-47(2)	69	J-61	J-60	100.0	mPVC	100.0	-1.2775	-0.2634	40	0.24	0.05	0.16	0.686
1009	P243HLZ(1)	35	B-047	J-62	150.0	mPVC	100.0	3.6476	5.0747	46	0.29	0.02	0.21	0.664
1040	P-56	93	J-71	B-081	100.0	mPVC	100.0	-1.1725	-0.2783	37	0.21	0.05	0.15	0.585
432	P256LLZ	102	B-059	B-061	100.0	mPVC	100.0	1.1654	1.3972	45	0.18	0.06	0.15	0.578
988	P-42	192	J-55	B-080	100.0	mPVC	100.0	-1.1465	-0.2649	42	0.21	0.11	0.15	0.561
996	P-45	30	J-57	J-58	250.0	mPVC	110.0	13.8916	21.4865	48	0.44	0.02	0.28	0.550
995	P263HLZ(2)	57	J-58	B-035	250.0	mPVC	110.0	13.8840	21.4829	49	0.44	0.03	0.28	0.550
1316	P267HLZ(1)	136	B-035	J-165	250.0	mPVC	110.0	13.8234	21.4546	50	0.44	0.07	0.28	0.545
1317	P267HLZ(2)	18	J-165	B-034	250.0	mPVC	110.0	13.7855	21.4369	52	0.44	0.01	0.28	0.542
405	P268HLZ	69	B-034	B-033	250.0	mPVC	110.0	13.7552	21.4227	53	0.44	0.04	0.28	0.540
667	P297HLZ	39	B-033	T-1001	250.0	mPVC	110.0	13.7325	21.4121	55	0.44	0.02	0.28	0.538
1016	P254HLZ(1)	55	B-059	J-65	150.0	mPVC	100.0	-3.1825	-0.8061	45	0.24	0.03	0.18	0.516
879	P236HLZ(2)	83	J-21	B-037	150.0	mPVC	100.0	-3.1757	-0.7706	45	0.24	0.04	0.18	0.514
616	P331HLZ	111	B-055a	B-055b	100.0	mPVC	100.0	-1.0561	-0.2150	47	0.21	0.05	0.13	0.482
1046	P248HLZ(2)	120	J-73	B-053	100.0	mPVC	100.0	-1.0478	-0.2582	32	0.18	0.06	0.13	0.475
1161	P-1(2)	59	J-104	J-2	100.0	mPVC	100.0	-1.0424	-0.2417	38	0.13	0.03	0.13	0.470
1424	P153HLZ(1)(2)	38	J-198	J-6	100.0	mPVC	100.0	1.0322	1.3641	35	0.17	0.02	0.13	0.462
1295	P329HLZ(2)	63	J-157	B-049	100.0	mPVC	100.0	-1.0193	-0.2243	35	0.19	0.03	0.13	0.451
1021	P-50(2)	153	J-66	B-060	100.0	mPVC	100.0	1.0123	1.2411	46	0.16	0.07	0.13	0.446
431	P257LLZ	120	B-058	B-056	100.0	mPVC	100.0	-0.9939	-0.2573	53	0.17	0.05	0.13	0.431
1158	P-82	158	B-071a	L-047	100.0	mPVC	100.0	-0.9791	-0.2494	36	0.12	0.07	0.12	0.419
1294	P329HLZ(1)	148	B-045a	J-157	100.0	mPVC	100.0	-0.9692	-0.2008	38	0.19	0.06	0.12	0.411
534	P157HLZ	45	S-027	S-026	100.0	mPVC	100.0	-0.9558	-0.3594	53	0.16	0.02	0.12	0.401
1006	P-47(1)	83	J-59	J-61	100.0	mPVC	100.0	-0.9547	-0.2134	41	0.18	0.03	0.12	0.400
461	P227HLZ	62	B-026	B-025	150.0	mPVC	100.0	-2.7150	-0.0649	58	0.31	0.02	0.15	0.384
1505	P-205	53	P14 Demand A	J-101	250.0	mPVC	110.0	-11.3956	1.7050	50	0.23	0.02	0.23	0.381
433	P255HLZ	89	B-061	B-060	100.0	mPVC	100.0	-0.9283	-0.2298	42	0.15	0.03	0.12	0.379
540	P151HLZ	58	S-006	S-007	100.0	mPVC	100.0	0.9132	1.2064	37	0.15	0.02	0.12	0.368
969	P275HLZ(2)(2)(2)	27	B-026	J-50	250.0	mPVC	110.0	11.1101	17.5807	58	0.36	0.01	0.23	0.364
1002	P241HLZ(1)	39	B-049	J-60	100.0	mPVC	100.0	0.9005	1.4078	38	0.18	0.01	0.11	0.359
532	P159HLZ	21	S-007	S-008	100.0	mPVC	100.0	0.8908	1.1768	39	0.15	0.01	0.11	0.352
1049	P337HLZ(1)	25	S-100	J-74	200.0	mPVC	110.0	-6.0447	-2.2708	36	0.25	0.01	0.19	0.349
599	P338HLZ	21	S-001	S-100	200.0	mPVC	110.0	-6.0342	-2.2668	37	0.25	0.01	0.19	0.348
809	P067LLZ(2)	76	J-2	L-044	100.0	mPVC	100.0	0.8713	0.8713	39	0.11	0.03	0.11	0.337
983	P303HLZ(2)	139	J-54	B-064	100.0	mPVC	100.0	-0.8595	-0.1803	53	0.15	0.05	0.11	0.329
435	P253HLZ	126	B-063	B-064	100.0	mPVC	100.0	-0.8560	-0.1840	52	0.16	0.04	0.11	0.327
679	P290HLZ	75	B-062	B-058a	100.0	mPVC	100.0	0.8437	2.0385	57	0.26	0.02	0.11	0.318
480	P041LLZ	231	L-013	P14 Demand A	250.0	mPVC	110.0	-10.2838	2.1148	51	0.21	0.07	0.21	0.315
1260	P342HLZ(2)	77	J-146	S-105	100.0	mPVC	100.0	0.8323	1.0991	38	0.14	0.02	0.11	0.310
660	P299HLZ	88	B-021	B-021a	100.0	mPVC	100.0	0.8090	1.2664	52	0.16	0.03	0.10	0.294
503	P188HLZ	363	S-001	S-002	100.0	mPVC	100.0	0.7829	1.0340	37	0.13	0.10	0.10	0.277

	P-54	134	J-68	J-69	100.0	mPVC	100.0	-0.7803	-0.1436	54	0.15	0.04	0.10	0.275
520	P171HLZ	91	S-004	S-001	200.0	mPVC	110.0	-5.2228	-1.9616	36	0.22	0.02	0.17	0.266
1042	P326HLZ(2)(1)	39	J-71	J-72	100.0	mPVC	100.0	-0.7655	-0.1261	37	0.16	0.01	0.10	0.265
651	P308HLZ	117	B-036	B-036a	150.0	mPVC	100.0	2.2197	3.4204	45	0.19	0.03	0.13	0.265
1031	P293HLZ(2)	28	J-69	B-057	100.0	mPVC	100.0	0.7572	1.0249	48	0.13	0.01	0.10	0.260
1409	P-43(1)	8	J-56	J-194	200.0	mPVC	110.0	5.1011	6.8716	36	0.22	0.00	0.16	0.255
1036	P-55	80	B-055a	J-70	100.0	mPVC	100.0	-0.7403	-0.2086	47	0.11	0.02	0.09	0.250
1349	P149HLZ(2)	102	S-005	J-176	150.0	mPVC	100.0	2.1491	2.8378	35	0.16	0.03	0.12	0.249
1348	P149HLZ(1)	31	J-176	S-006	150.0	mPVC	100.0	2.1264	2.8080	37	0.16	0.01	0.12	0.244
863	P065LLZ(2)	7	J-15	L-1005	100.0	mPVC	100.0	-0.7045	0.0886	37	0.10	0.00	0.09	0.228
443	P245HLZ	63	B-047	B-046	150.0	mPVC	100.0	-2.0347	-0.5490	46	0.15	0.01	0.12	0.225
666	P298HLZ	52	T-1001	B-026	250.0	mPVC	110.0	8.4102	12.1423	57	0.25	0.01	0.17	0.217
644	P315HLZ	57	B-028a	B-028	150.0	mPVC	100.0	1.9837	2.8392	48	0.16	0.01	0.11	0.215
653	P306HLZ	47	S-008	S-008a	100.0	mPVC	100.0	0.6791	0.8968	40	0.11	0.01	0.09	0.213
986	P284HLZ(1)	75	B-081	J-55	100.0	mPVC	100.0	-0.6738	-0.1918	39	0.10	0.02	0.09	0.210
638	P321HLZ	80	B-025a	B-025	150.0	mPVC	100.0	1.9251	3.4587	56	0.20	0.02	0.11	0.203
862	P065LLZ(1)	22	L-1015	J-15	100.0	mPVC	100.0	-0.6599	0.1477	38	0.09	0.00	0.08	0.202
1404	P-175	80	J-192	B-055	150.0	mPVC	100.0	-1.8999	-0.2949	50	0.18	0.02	0.11	0.198
429	P259HLZ	184	B-057	B-056	100.0	mPVC	100.0	0.6522	0.9764	48	0.12	0.04	0.08	0.197
1426	P285HLZ(1)	13	B-052	J-199	150.0	mPVC	100.0	-1.8829	-0.4057	40	0.16	0.00	0.11	0.195
512	P179HLZ	65	S-029	S-028	100.0	mPVC	100.0	-0.6485	-0.2435	55	0.11	0.01	0.08	0.195
462	P226HLZ	142	B-024	B-021	100.0	mPVC	100.0	-0.6458	-0.0808	56	0.14	0.03	0.08	0.194
1276	P-137	26	J-11	S-035	100.0	mPVC	100.0	0.6341	0.8374	49	0.11	0.00	0.08	0.187
368	P064LLZ	20	L-1010	L-1015	100.0	mPVC	100.0	-0.6331	0.1831	38	0.09	0.00	0.08	0.187
1057	P322HLZ(2)	29	J-77	B-023a	150.0	mPVC	100.0	1.8218	3.1418	53	0.18	0.01	0.10	0.184
999	P240HLZ(1)	164	B-044	J-59	150.0	mPVC	100.0	-1.8207	-0.3660	49	0.16	0.03	0.10	0.183
886	P323HLZ(1)	34	B-023a	J-24	150.0	mPVC	100.0	1.7679	2.9407	53	0.17	0.01	0.10	0.174
502	P189HLZ	85	S-042	S-002	100.0	mPVC	100.0	-0.6086	-0.2287	49	0.10	0.01	0.08	0.174
887	P323HLZ(2)	47	J-24	B-023	150.0	mPVC	100.0	1.7676	3.0759	53	0.17	0.01	0.10	0.174
374	P058LLZ	38	L-1000	L-021	100.0	mPVC	100.0	0.6039	0.7393	46	0.09	0.01	0.08	0.171
878	P236HLZ(1)	81	B-038	J-21	150.0	mPVC	100.0	-1.7517	-0.4297	41	0.13	0.01	0.10	0.171
403	P269HLZ	56	B-028	B-027	150.0	mPVC	100.0	1.7514	2.8053	51	0.16	0.01	0.10	0.171
1062	P-61	81	J-17	J-78	100.0	mPVC	100.0	-0.5996	-0.0935	52	0.13	0.01	0.08	0.169
1056	P322HLZ(1)	53	B-027	J-77	150.0	mPVC	100.0	1.7211	2.7912	53	0.16	0.01	0.10	0.165
379	P283HLZ	203	B-053	B-081	100.0	mPVC	100.0	0.5897	0.8657	32	0.11	0.03	0.08	0.164
517	P174HLZ	32	S-023	S-022	150.0	mPVC	100.0	-1.7011	-0.6390	49	0.13	0.01	0.10	0.161
645	P314HLZ	68	B-036	B-028a	100.0	mPVC	100.0	1.6934	2.0873	45	0.12	0.01	0.10	0.160
639	P320HLZ	127	B-036a	B-025a	150.0	mPVC	100.0	1.6732	2.7505	47	0.16	0.02	0.09	0.157
1345	P170HLZ(2)	18	J-175	S-004	200.0	mPVC	110.0	-3.8910	-1.4604	36	0.16	0.00	0.12	0.154
399	P272HLZ	26	S-005	S-053	150.0	mPVC	100.0	1.6588	2.1927	35	0.12	0.00	0.09	0.154
398	P273HLZ	44	S-053	S-014	150.0	mPVC	100.0	1.6588	2.1927	35	0.12	0.01	0.09	0.154
1344	P170HLZ(1)	79	S-005	J-175	200.0	mPVC	110.0	-3.8759	-1.4547	35	0.16	0.01	0.12	0.153
436	P252HLZ	125	B-062	B-063	100.0	mPVC	100.0	-0.5619	-0.0466	57	0.14	0.02	0.07	0.150
1420	P-24(1)	138	B-018a	J-197	100.0	mPVC	100.0	-0.5605	-0.1502	45	0.10	0.02	0.07	0.149
836	P153HLZ(2)	75	J-6	S-020	100.0	mPVC	100.0	0.5441	0.7189	35	0.09	0.01	0.07	0.141
592	P345HLZ	108	S-021	S-115	150.0	mPVC	100.0	-1.5717	-0.5911	47	0.12	0.02	0.09	0.140
1047	P-57	146	J-72	J-73	100.0	mPVC	100.0	-0.5393	-0.1151	36	0.10	0.02	0.07	0.139
458	P230HLZ	34	B-022	B-021	150.0	mPVC	100.0	1.5491	2.4299	54	0.14	0.00	0.09	0.136
1385	P195HLZ(1)	81	S-043	J-188	100.0	mPVC	100.0	0.5330	0.7037	54	0.09	0.01	0.07	0.136
1262	P346HLZ(1)	84	S-115	J-147	150.0	mPVC	100.0	-1.5469	-0.5827	42	0.12	0.01	0.09	0.136
594	P343HLZ	112	S-105	S-004a	100.0	mPVC	100.0	0.5211	0.6880	41	0.09	0.01	0.07	0.130
1458	P163HLZ(1)	47	S-010	J-211	100.0	mPVC	100.0	0.5116	0.6755	44	0.09	0.01	0.07	0.126
1160	P-1(1)	59	L-1005	J-104	100.0	mPVC	100.0	-0.5118	-0.1289	37	0.07	0.01	0.07	0.126
1459	P163HLZ(2)	21	J-211	S-011	100.0	mPVC	100.0	0.5116	0.6755	45	0.09	0.00	0.07	0.126
516	P175HLZ	59	S-028	S-027	100.0	mPVC	100.0	-0.5078	-0.1916	54	0.09	0.01	0.06	0.124
519	P172HLZ	50	S-022	S-021	150.0	mPVC	100.0	-1.4591	-0.5487	49	0.11	0.01	0.08	0.122
527	P164HLZ	138	S-011	S-012	100.0	mPVC	100.0	0.4995	0.6597	45	0.08	0.02	0.06	0.120
659	P300HLZ	63	B-021a	B-018	100.0	mPVC	100.0	0.4989	0.7869	48	0.10	0.01	0.06	0.120
884	P318HLZ(2)	89	J-23	B-030a	150.0	mPVC	100.0	-1.4488	-0.2240	53	0.14	0.01	0.08	0.120
1400	P294HLZ(2)(2)	68	J-191	B-018a	100.0	mPVC	100.0	-0.4889	-0.1173	41	0.10	0.01	0.06	0.116
680	P289HLZ	152	S-042	S-043	100.0	mPVC	100.0	0.4754	0.6277	49	0.08	0.02	0.06	0.110
891	P318HLZ(1)(2)	69	J-25	J-23	150.0	mPVC	100.0	-1.3734	-0.2328	52	0.13	0.01	0.08	0.109
881	P-22	137	B-031b	J-21	150.0	mPVC	100.0	-1.3482	-0.3055	47	0.11	0.01	0.08	0.105
1185	P-92	147	J-104	J-105	100.0	mPVC	100.0	0.4592	0.4695	38	0.06	0.02	0.06	0.103
1386	P195HLZ(2)	67	J-188	S-044	100.0	mPVC	100.0	0.4500	0.5942	56	0.08	0.01	0.06	0.099
963	P-38	64	J-48	B-024	100.0	mPVC	100.0	-0.4493	0.3834	58	0.18	0.01	0.06	0.099
1003	P241HLZ(2)	166	J-60	B-048	100.0	mPVC	100.0	-0.4361	-0.1196	38	0.07	0.02	0.06	0.094
1464	P187HLZ(2)	46	J-213	S-013	100.0	mPVC	100.0	0.4323	0.5708	51	0.07	0.00	0.06	0.092
1463	P187HLZ(1)	76	S-012	J-213	100.0	mPVC	100.0	0.4323	0.5708	48	0.07	0.01	0.06	0.092
1045	P248HLZ(1)	76	B-054	J-73	100.0	mPVC	100.0	-0.4311	-0.1069	34	0.07	0.01	0.05	0.092
1453	P158HLZ(1)	110	S-009	J-209	100.0	mPVC	100.0	0.4307	0.5687	41	0.07	0.01	0.05	0.092
1454	P158HLZ(2)	88	J-209	S-010	100.0	mPVC	100.0	0.4307	0.5687	42	0.07	0.01	0.05	0.092
518	P173HLZ	30	S-024	S-023	150.0	mPVC	100.0	-1.2468	-0.4694	49	0.09	0.00	0.07	0.091
362	P070LLZ	76	J-273	L-044	100.0	mPVC	100.0	-0.4263	-0.1338	39	0.05	0.01	0.05	0.090
1027	P258HLZ(1)	76	B-056	J-68	100.0	mPVC	100.0	-0.4258	-0.1561	54	0.06	0.01	0.05	0.090

	P-62	176	B-036a	B-023b	100.0	mPVC	100.0	0.4253	0.6133	47	0.08	0.02	0.05	0.089
1171	P-85	77	J-109	J-107	100.0	mPVC	100.0	-0.4243	0.2796	43	0.06	0.01	0.05	0.089
514	P177HLZ	155	S-025	S-024	150.0	mPVC	100.0	-1.2142	-0.4563	52	0.09	0.01	0.07	0.087
850	P-12	82	S-023	J-11	100.0	mPVC	100.0	0.4167	0.5510	49	0.07	0.01	0.05	0.086
1282	P186HLZ(2)(2)(1)	20	J-13	J-152	100.0	mPVC	100.0	-0.4095	-0.1546	57	0.07	0.00	0.05	0.083
1264	P-134	172	J-146	J-147	100.0	mPVC	100.0	0.4089	0.5401	38	0.07	0.01	0.05	0.083
1399	P294HLZ(2)(1)	91	J-43	J-191	100.0	mPVC	100.0	-0.4053	-0.0790	45	0.09	0.01	0.05	0.082
1263	P346HLZ(2)	32	S-006	J-147	150.0	mPVC	100.0	1.1756	1.5519	37	0.09	0.00	0.07	0.081
982	P303HLZ(1)	64	B-064a	J-54	100.0	mPVC	100.0	-0.3998	-0.0820	55	0.07	0.01	0.05	0.080
987	P284HLZ(2)	7	J-55	B-050	100.0	mPVC	100.0	0.4020	0.7870	42	0.10	0.00	0.05	0.080
654	P305HLZ	97	S-027a	S-027	100.0	mPVC	100.0	-0.3954	-0.1480	55	0.07	0.01	0.05	0.078
1061	P231HLZ(2)	52	J-78	B-029	150.0	mPVC	100.0	-1.1494	-0.2222	50	0.10	0.00	0.07	0.078
640	P319HLZ	173	B-030a	B-030	150.0	mPVC	100.0	-1.1469	-0.1780	53	0.11	0.01	0.06	0.078
1423	P153HLZ(1)(1)	13	S-014	J-198	150.0	mPVC	100.0	1.1367	1.5022	34	0.09	0.00	0.06	0.077
837	P-6	112	J-6	S-120	100.0	mPVC	100.0	0.3837	0.5071	35	0.06	0.01	0.05	0.074
1447	P-83(1)	45	L-1000	J-207	100.0	mPVC	100.0	-0.3801	0.3908	46	0.06	0.00	0.05	0.073
1448	P-83(2)	39	J-207	J-109	100.0	mPVC	100.0	-0.3801	0.3908	46	0.06	0.00	0.05	0.073
843	P-8	79	S-004a	J-8	100.0	mPVC	100.0	0.3776	0.4989	45	0.06	0.01	0.05	0.072
1176	P-87	35	J-110	L-1010	100.0	mPVC	100.0	-0.3760	0.1794	38	0.05	0.00	0.05	0.071
647	P312HLZ	77	B-031	B-031a	150.0	mPVC	100.0	-1.0606	-0.2272	49	0.09	0.01	0.06	0.067
556	P027LLZ	119	L-042	L-044	100.0	mPVC	100.0	-0.3646	-0.0671	38	0.05	0.01	0.05	0.067
620	P327HLZ	145	B-049a	B-054	100.0	mPVC	100.0	-0.3628	-0.0749	34	0.07	0.01	0.05	0.067
979	P260HLZ(1)	75	B-062	J-53	100.0	mPVC	100.0	-0.3553	0.1958	57	0.12	0.00	0.05	0.064
946	P-36	63	J-43	J-42	100.0	mPVC	100.0	0.3516	0.7154	45	0.09	0.00	0.04	0.063
1174	P060LLZ(2)(1)	116	J-108	J-110	100.0	mPVC	100.0	-0.3492	0.2148	41	0.05	0.01	0.04	0.062
648	P311HLZ	62	B-038a	B-038	150.0	mPVC	100.0	-1.0152	-0.2361	42	0.08	0.00	0.06	0.062
456	P232HLZ	67	B-031	B-029	150.0	mPVC	100.0	1.0081	1.7337	49	0.10	0.00	0.06	0.061
984	P-41	159	J-53	J-54	100.0	mPVC	100.0	-0.3336	-0.0401	58	0.08	0.01	0.04	0.057
841	P-7	74	S-052	J-7	100.0	mPVC	100.0	0.3329	0.4397	39	0.06	0.00	0.04	0.057
635	P324HLZ	75	B-025a	B-023b	100.0	mPVC	100.0	-0.3277	0.0775	56	0.10	0.00	0.04	0.055
1179	P-89	90	J-107	J-105	100.0	mPVC	100.0	-0.3280	0.0632	42	0.05	0.00	0.04	0.055
619	P328HLZ	47	B-045	B-045a	150.0	mPVC	100.0	-0.9145	-0.1752	38	0.08	0.00	0.05	0.051
643	P316HLZ	74	B-031a	B-031b	150.0	mPVC	100.0	-0.9140	-0.2587	47	0.06	0.00	0.05	0.051
1000	P240HLZ(2)	55	J-59	B-045	150.0	mPVC	100.0	-0.9009	-0.1689	41	0.08	0.00	0.05	0.050
1043	P326HLZ(2)(2)	76	J-72	B-049a	100.0	mPVC	100.0	-0.3036	-0.0472	36	0.07	0.00	0.04	0.048
1284	P-139	271	J-152	S-027a	100.0	mPVC	100.0	-0.3036	-0.1143	57	0.05	0.01	0.04	0.048
494	P197HLZ	216	S-019	S-009	100.0	mPVC	100.0	0.3012	0.3973	40	0.05	0.01	0.04	0.047
840	P196HLZ(2)	148	J-7	S-019	100.0	mPVC	100.0	0.3012	0.3973	41	0.05	0.01	0.04	0.047
460	P228HLZ	137	B-025	B-023	150.0	mPVC	100.0	-0.8656	0.3857	57	0.12	0.01	0.05	0.046
515	P176HLZ	48	S-026	S-025	150.0	mPVC	100.0	-0.8552	-0.3202	52	0.06	0.00	0.05	0.045
459	P229HLZ	29	B-023	B-022	150.0	mPVC	100.0	0.8565	1.0325	55	0.06	0.00	0.05	0.045
1280	P-138	185	S-008a	J-151	100.0	mPVC	100.0	0.2902	0.3831	41	0.05	0.01	0.04	0.044
652	P307HLZ	193	S-008a	S-034	100.0	mPVC	100.0	0.2843	0.3754	41	0.05	0.01	0.04	0.042
536	P155HLZ	48	S-020	S-017	100.0	mPVC	100.0	0.2816	0.3720	36	0.05	0.00	0.04	0.042
1028	P258HLZ(2)	110	J-68	B-055	100.0	mPVC	100.0	0.2810	0.7977	54	0.10	0.00	0.04	0.041
844	P-9	67	J-8	S-022	100.0	mPVC	100.0	0.2795	0.3695	47	0.05	0.00	0.04	0.041
588	P349HLZ	96	S-120	S-052	100.0	mPVC	100.0	0.2793	0.3690	38	0.05	0.00	0.04	0.041
1273	P165HLZ(2)	99	J-150	S-035	100.0	mPVC	100.0	-0.2788	-0.1048	47	0.05	0.00	0.04	0.041
489	P202HLZ	286	S-037	S-013	100.0	mPVC	100.0	-0.2776	-0.1044	58	0.05	0.01	0.04	0.041
1357	P060LLZ(1)(2)	108	J-178	J-108	100.0	mPVC	100.0	-0.2774	0.2573	47	0.04	0.00	0.04	0.041
687	P287HLZ	76	S-044	S-044a	100.0	mPVC	100.0	0.2763	0.3652	55	0.05	0.00	0.04	0.040
511	P180HLZ	84	S-029	S-045	100.0	mPVC	100.0	0.2727	0.3601	55	0.05	0.00	0.03	0.039
451	P237HLZ	238	B-030	B-032	150.0	mPVC	100.0	-0.7485	-0.1201	51	0.07	0.01	0.04	0.035
890	P318HLZ(1)(1)	60	B-022	J-25	150.0	mPVC	100.0	-0.7229	-0.0365	54	0.08	0.00	0.04	0.033
657	P302HLZ	96	B-065	B-064a	100.0	mPVC	100.0	-0.2422	-0.0077	57	0.06	0.00	0.03	0.032
1356	P060LLZ(1)(1)	54	L-1000	J-178	100.0	mPVC	100.0	-0.2417	0.3045	46	0.04	0.00	0.03	0.031
1011	P-48	169	J-61	J-62	100.0	mPVC	100.0	0.2408	0.4823	40	0.06	0.01	0.03	0.031
522	P169HLZ	184	S-035	S-036	100.0	mPVC	100.0	0.2357	0.3112	50	0.04	0.01	0.03	0.030
450	P238HLZ	155	B-039	B-038	150.0	mPVC	100.0	-0.6834	-0.1688	36	0.05	0.00	0.04	0.030
875	P-20	76	J-20	B-038a	150.0	mPVC	100.0	-0.6640	-0.1719	41	0.05	0.00	0.04	0.028
1275	P-136	10	S-034	J-11	100.0	mPVC	100.0	0.2173	0.2864	49	0.04	0.00	0.03	0.027
506	P185HLZ	116	S-030	S-029	100.0	mPVC	100.0	-0.2184	-0.0817	56	0.04	0.00	0.03	0.026
649	P310HLZ	53	B-039a	B-039	150.0	mPVC	100.0	-0.6304	-0.1440	39	0.05	0.00	0.04	0.026
513	P178HLZ	125	S-025	S-043	100.0	mPVC	100.0	0.2162	0.2850	52	0.04	0.00	0.03	0.026
1421	P-24(2)	43	J-197	J-25	150.0	mPVC	100.0	-0.6202	-0.1776	50	0.05	0.00	0.04	0.025
373	P059LLZ	76	L-1005	L-042	100.0	mPVC	100.0	-0.2106	0.3157	37	0.04	0.00	0.03	0.024
686	P288HLZ	146	S-044a	S-028	100.0	mPVC	100.0	0.2084	0.2756	52	0.04	0.00	0.03	0.024
531	P160HLZ	37	S-008	S-009	100.0	mPVC	100.0	0.2042	0.2702	40	0.03	0.00	0.03	0.023
490	P201HLZ	11	S-038	S-037	100.0	mPVC	100.0	-0.2029	-0.0766	58	0.03	0.00	0.03	0.023
1172	P-86	127	J-107	L-1010	100.0	mPVC	100.0	-0.2035	0.0747	42	0.03	0.00	0.03	0.023
359	P073LLZ	84	J-275	J-273	100.0	mPVC	100.0	-0.1959	-0.0750	38	0.03	0.00	0.02	0.021
1283	P186HLZ(2)(2)(2)	56	J-152	S-038	100.0	mPVC	100.0	-0.1954	-0.0738	57	0.03	0.00	0.02	0.021
593	P344HLZ	75	S-105	S-110	100.0	mPVC	100.0	0.1905	0.2518	41	0.03	0.00	0.02	0.020
823	P152HLZ(1)	25	S-014	J-1	150.0	mPVC	100.0	0.5222	0.6905	34	0.04	0.00	0.03	0.018
1370	P-167	39	J-High School	L-016	150.0	mPVC	100.0	-0.5212	-0.2894	58	0.43	0.00	0.03	0.018

	P186HLZ(2)(1)	42	J-12	J-13	100.0	mPVC	100.0	-0.1796	-0.0683	57	0.03	0.00	0.02	0.018
463	P225HLZ	166	B-019	B-018	100.0	mPVC	100.0	-0.1792	-0.0539	53	0.05	0.00	0.02	0.018
535	P156HLZ	207	S-017	S-018	100.0	mPVC	100.0	0.1771	0.2339	39	0.03	0.00	0.02	0.018
874	P-19	205	J-19	J-20	150.0	mPVC	100.0	-0.5140	-0.0915	48	0.05	0.00	0.03	0.018
650	P309HLZ	251	B-032	B-039a	150.0	mPVC	100.0	-0.5077	-0.0970	47	0.04	0.00	0.03	0.017
1060	P231HLZ(1)	57	B-030	J-78	150.0	mPVC	100.0	-0.4968	-0.1040	51	0.04	0.00	0.03	0.017
464	P224HLZ	78	B-018	B-017	100.0	mPVC	100.0	0.1644	0.3224	45	0.04	0.00	0.02	0.015
360	P072LLZ	63	J-272	J-274	100.0	mPVC	100.0	0.1612	0.2598	38	0.03	0.00	0.02	0.015
1376	P-169	46	S-NEIGHBOURHOODCENTRE	S-055	150.0	mPVC	100.0	-0.4636	-0.1900	38	0.03	0.00	0.03	0.015
481	P210HLZ	112	S-052	S-020	100.0	mPVC	100.0	-0.1581	-0.0594	39	0.03	0.00	0.02	0.014
1396	P-13(1)	111	J-13	P8 Low Point	100.0	mPVC	100.0	0.1551	0.2048	57	0.03	0.00	0.02	0.014
361	P071LLZ	123	J-272	J-273	100.0	mPVC	100.0	-0.1500	-0.0220	38	0.02	0.00	0.02	0.013
1278	P161HLZ(1)	57	S-010	J-151	100.0	mPVC	100.0	-0.1481	-0.0554	44	0.02	0.00	0.02	0.013
507	P184HLZ	70	S-031	S-030	100.0	mPVC	100.0	-0.1466	-0.0554	55	0.02	0.00	0.02	0.012
872	P265HLZ(2)	61	J-19	B-032	150.0	mPVC	100.0	0.4150	0.5275	48	0.03	0.00	0.02	0.012
956	P301HLZ(2)	155	J-46	B-021a	100.0	mPVC	100.0	-0.1430	0.1341	55	0.05	0.00	0.02	0.012
719	P078LLZ	59	J-277	J-275	100.0	mPVC	100.0	-0.1424	-0.0505	37	0.02	0.00	0.02	0.012
523	P168HLZ	80	S-036	S-026	100.0	mPVC	100.0	0.1382	0.1818	53	0.02	0.00	0.02	0.011
582	P001LLZ	28	L-016	L-SCHOOL	150.0	mPVC	100.0	0.3984	5.6708	59	0.32	0.00	0.02	0.011
980	P260HLZ(2)	89	J-53	B-065	100.0	mPVC	100.0	-0.1372	0.1298	58	0.05	0.00	0.02	0.011
867	P-17	24	J-16	J-17	150.0	mPVC	100.0	-0.3929	-0.0884	52	0.03	0.00	0.02	0.011
951	P223HLZ(2)(1)	63	J-40	J-45	100.0	mPVC	100.0	0.1281	0.3582	48	0.08	0.00	0.02	0.010
865	P-16	45	B-030a	J-16	150.0	mPVC	100.0	-0.3702	-0.0778	53	0.03	0.00	0.02	0.010
1274	P-135	155	J-150	J-149	100.0	mPVC	100.0	0.1266	0.1669	47	0.02	0.00	0.02	0.009
642	P317HLZ	65	B-031b	B-028a	150.0	mPVC	100.0	0.3585	0.7874	47	0.04	0.00	0.02	0.009
858	P-14	118	S-054	J-12	100.0	mPVC	100.0	-0.1238	-0.0465	56	0.02	0.00	0.02	0.009
953	P-37	172	J-44	J-45	100.0	mPVC	100.0	0.1224	0.3745	43	0.05	0.00	0.02	0.009
942	P222HLZ(2)	160	J-42	B-016	100.0	mPVC	100.0	0.1220	0.5546	45	0.07	0.00	0.02	0.009
825	P-1	139	A-01	J-1	100.0	mPVC	100.0	-0.1206	-0.0449	37	0.02	0.00	0.02	0.009
421	P049LLZ	63	B-070	B-072	100.0	mPVC	100.0	-0.1135	-0.0433	34	0.02	0.00	0.01	0.008
949	P222HLZ(1)(2)	68	J-44	J-42	100.0	mPVC	100.0	-0.1131	-0.0577	43	0.02	0.00	0.01	0.008
590	P347HLZ	43	S-110	S-115	100.0	mPVC	100.0	0.1074	0.1423	41	0.02	0.00	0.01	0.007
958	P275HLZ(1)	202	J-47	B-020	150.0	mPVC	100.0	0.3105	0.9345	58	0.06	0.00	0.02	0.007
1190	P-95	18	J-46	J-116	100.0	mPVC	100.0	0.1074	0.1421	55	0.02	0.00	0.01	0.007
824	P152HLZ(2)	88	J-1	S-015	150.0	mPVC	100.0	0.2971	0.3929	34	0.02	0.00	0.02	0.006
1286	P-140	145	J-153	S-044	100.0	mPVC	100.0	-0.0981	-0.0373	53	0.02	0.00	0.01	0.006
499	P192HLZ	136	S-045	S-047	100.0	mPVC	100.0	0.0915	0.1212	53	0.02	0.00	0.01	0.005
363	P069LLZ	76	L-042	J-272	100.0	mPVC	100.0	0.0915	0.3307	38	0.04	0.00	0.01	0.005
860	P-15	120	J-14	J-274	100.0	mPVC	100.0	-0.0893	-0.0331	37	0.02	0.00	0.01	0.005
646	P313HLZ	108	B-031a	B-038a	150.0	mPVC	100.0	-0.2603	-0.0211	47	0.03	0.00	0.01	0.005
541	P150HLZ	135	S-015	S-016	100.0	mPVC	100.0	0.0883	0.1167	32	0.01	0.00	0.01	0.005
508	P183HLZ	33	S-032	S-031	100.0	mPVC	100.0	-0.0864	-0.0327	55	0.01	0.00	0.01	0.005
948	P222HLZ(1)(1)	10	B-017	J-44	100.0	mPVC	100.0	0.0928	0.2929	43	0.04	0.00	0.01	0.005
1397	P-13(2)	82	P8 Low Point	S-039	100.0	mPVC	100.0	0.0804	0.1061	58	0.01	0.00	0.01	0.004
510	P181HLZ	63	S-045	S-046	100.0	mPVC	100.0	0.0755	0.0995	53	0.01	0.00	0.01	0.004
839	P196HLZ(1)	38	S-018	J-7	100.0	mPVC	100.0	0.0727	0.0958	43	0.01	0.00	0.01	0.003
937	P223HLZ(1)	5	B-016	J-40	150.0	mPVC	100.0	0.2027	0.4569	48	0.03	0.00	0.01	0.003
955	P301HLZ(1)	88	B-024	J-46	100.0	mPVC	100.0	0.0718	0.4182	56	0.05	0.00	0.01	0.003
1054	P-59	12	J-17	J-76	150.0	mPVC	100.0	0.1764	0.3877	52	0.02	0.00	0.01	0.003
455	P233HLZ	74	B-029	B-028	150.0	mPVC	100.0	-0.1868	0.0085	49	0.02	0.00	0.01	0.003
1269	P167HLZ(2)(1)	15	J-148	J-149	100.0	mPVC	100.0	-0.0598	-0.0223	50	0.01	0.00	0.01	0.003
395	P274HLZ	172	B-016	B-020	150.0	mPVC	100.0	-0.1762	1.0932	48	0.06	0.00	0.01	0.002
424	P046LLZ	198	B-070	B-078	100.0	mPVC	100.0	0.0605	0.0797	34	0.01	0.00	0.01	0.002
952	P223HLZ(2)(2)	90	J-45	B-019	100.0	mPVC	100.0	0.0595	0.1635	49	0.04	0.00	0.01	0.002
661	P123LLZ	4	T-1005	L-SPORT&RECCLUBHOUSE	150.0	mPVC	100.0	0.1320	10.8880	59	0.62	0.00	0.01	0.002
848	P-11	18	J-9	J-8	100.0	mPVC	100.0	-0.0528	-0.0201	47	0.01	0.00	0.01	0.002
1387	P-174	20	J-188	J-155	100.0	mPVC	100.0	0.0528	0.0697	56	0.01	0.00	0.01	0.002
501	P190HLZ	186	S-002	S-003	100.0	mPVC	100.0	0.0525	0.0694	52	0.01	0.00	0.01	0.002
720	P077LLZ	83	L-043	J-277	100.0	mPVC	100.0	-0.0491	-0.0166	36	0.01	0.00	0.01	0.002
509	P182HLZ	29	S-033	S-032	100.0	mPVC	100.0	-0.0499	-0.0180	54	0.01	0.00	0.01	0.002
1188	P-94	59	B-019	J-115	100.0	mPVC	100.0	0.0477	0.0631	53	0.01	0.00	0.01	0.002
1272	P165HLZ(1)	50	S-011	J-150	100.0	mPVC	100.0	-0.0477	-0.0176	45	0.01	0.00	0.01	0.001
1058	P-60	76	J-76	J-77	150.0	mPVC	100.0	0.1385	0.3733	53	0.02	0.00	0.01	0.001
961	P275HLZ(2)(1)	8	J-47	J-48	250.0	mPVC	110.0	-0.3463	1.0298	58	0.02	0.00	0.01	0.001
718	P079LLZ	120	J-276	J-277	100.0	mPVC	100.0	-0.0397	-0.0094	38	0.01	0.00	0.01	0.001
357	P075LLZ	80	J-274	J-276	100.0	mPVC	100.0	0.0362	0.0944	39	0.01	0.00	0.00	0.001
1052	P-58	31	J-75	S-015	150.0	mPVC	100.0	-0.1044	-0.0389	33	0.01	0.00	0.01	0.001
655	P304HLZ	55	S-013	S-027a	100.0	mPVC	100.0	0.0352	0.0463	53	0.01	0.00	0.00	0.001
585	P350HLZ	79	S-042	S-024	100.0	mPVC	100.0	0.0351	0.0468	49	0.01	0.00	0.00	0.001
1303	P-148	12	J-160	B-049a	100.0	mPVC	100.0	-0.0273	-0.0105	34	0.00	0.00	0.00	0.001
482	P209HLZ	61	S-054	S-041	100.0	mPVC	100.0	0.0311	0.0409	56	0.01	0.00	0.00	0.001
1155	P144LLZ(2)	37	J-103	B-074	100.0	mPVC	100.0	0.0303	0.0399	39	0.01	0.00	0.00	0.001
1296	P-144	25	J-156	J-157	100.0	mPVC	100.0	-0.0273	-0.0105	34	0.00	0.00	0.00	0.001
888	P-23	103	J-23	J-24	100.0	mPVC	100.0	0.0300	0.1543	53	0.02	0.00	0.00	0.001
484	P207HLZ	81	S-033	S-041	100.0	mPVC	100.0	0.0273	0.0365	54	0.00	0.00	0.00	0.001

	P206HLZ	100	S-039	S-040	100.0	mPVC	100.0	0.0237	0.0312	58	0.00	0.00	0.00	0.000
438	P250HLZ	63	B-052	B-051	150.0	mPVC	100.0	0.0744	0.4759	40	0.03	0.00	0.00	0.000
1186	P-93	24	J-105	J-106	100.0	mPVC	100.0	0.0241	0.0318	40	0.00	0.00	0.00	0.000
1170	P-84	70	J-109	J-108	100.0	mPVC	100.0	-0.0183	0.0284	43	0.00	0.00	0.00	0.000
1270	P167HLZ(2)(2)	74	J-149	S-036	100.0	mPVC	100.0	-0.0153	-0.0048	51	0.00	0.00	0.00	0.000
1298	P-145	37	J-158	B-054	100.0	mPVC	100.0	-0.0182	-0.0070	34	0.00	0.00	0.00	0.000
634	P325HLZ	75	B-023b	B-023a	100.0	mPVC	100.0	-0.0160	0.1467	54	0.02	0.00	0.00	0.000
486	P205HLZ	117	S-054	S-039	100.0	mPVC	100.0	0.0180	0.0239	56	0.00	0.00	0.00	0.000
498	P193HLZ	125	S-047	S-032	100.0	mPVC	100.0	0.0160	0.0216	53	0.00	0.00	0.00	0.000
817	P-1	88	S-016	A-01	100.0	mPVC	100.0	-0.0162	-0.0060	34	0.00	0.00	0.00	0.000
1279	P161HLZ(2)	108	J-151	S-034	100.0	mPVC	100.0	0.0152	0.0196	45	0.00	0.00	0.00	0.000
483	P208HLZ	195	S-041	S-040	100.0	mPVC	100.0	0.0136	0.0181	55	0.00	0.00	0.00	0.000
1407	P261HLZ(2)	72	P9 Low Point	B-066	100.0	mPVC	100.0	0.0105	0.0139	60	0.00	0.00	0.00	0.000
356	P076LLZ	158	J-276	L-043	100.0	mPVC	100.0	0.0044	0.0242	38	0.00	0.00	0.00	0.000
354	PRV-2-A	2	823-A	PRV-2	250.0	mPVC	110.0	0.0000	0.0000	39	0.00	0.00	0.00	0.000
355	PRV-2-B	3	PRV-2	823-B	250.0	mPVC	110.0	0.0000	0.0000	36	0.00	0.00	0.00	0.000
382	P281HLZ	39	823-B	B-079	250.0	mPVC	110.0	0.0000	0.0001	36	0.00	0.00	0.00	0.000
383	P280HLZ	154	B-079	B-042	250.0	mPVC	110.0	-0.0303	-0.0115	38	0.00	0.00	0.00	0.000
384	P279HLZ	87	TeviotRdConnection1	823-A	250.0	mPVC	110.0	0.0046	0.0060	0	0.00	0.00	0.00	0.000
385	P366LLZIRRI	15	L-SCHOOL	I-SCHOOL	150.0	mPVC	100.0	0.0000	5.4000	60	0.31	0.00	0.00	0.000
410	P264HLZ	34	B-039	B-040	150.0	mPVC	100.0	0.0152	0.0200	36	0.00	0.00	0.00	0.000
414	P262HLZ	122	B-042	B-041	250.0	mPVC	110.0	-0.0772	-0.0295	43	0.00	0.00	0.00	0.000
500	P191HLZ	37	S-003	B-066	100.0	mPVC	100.0	0.0000	0.0000	59	0.00	0.00	0.00	0.000
706	P091LLZ	117	L-027	L-027a	100.0	mPVC	100.0	0.0000	0.0000	45	0.00	0.00	0.00	0.000
827	P-2	26	A-01	J-2	100.0	mPVC	100.0	0.0000	0.0000	37	0.00	0.00	0.00	0.000
829	P-3	27	J-3	S-016	100.0	mPVC	100.0	0.0000	0.0000	35	0.00	0.00	0.00	0.000
831	P-4	41	S-017	J-4	100.0	mPVC	100.0	0.0000	0.0000	39	0.00	0.00	0.00	0.000
833	P-5	137	S-120	J-5	100.0	mPVC	100.0	0.0000	0.0000	38	0.00	0.00	0.00	0.000
852	P186HLZ(1)	49	S-030	J-12	100.0	mPVC	100.0	-0.0110	-0.0050	56	0.00	0.00	0.00	0.000
871	P265HLZ(1)	70	B-031	J-19	150.0	mPVC	100.0	-0.0156	0.1556	49	0.01	0.00	0.00	0.000
876	P-21	75	B-039a	J-20	150.0	mPVC	100.0	-0.0137	0.0369	39	0.00	0.00	0.00	0.000
968	P275HLZ(2)(2)(1)	35	J-50	J-48	250.0	mPVC	110.0	-0.0954	1.3752	57	0.05	0.00	0.00	0.000
1146	P-76	189	I-SPORT&RECPARK	J-101	200.0	mPVC	120.0	0.0000	0.0000	54	0.34	0.00	0.00	0.000
1305	P-149	62	S-019	J-161	100.0	mPVC	100.0	0.0000	0.0000	40	0.00	0.00	0.00	0.000
1329	P-157	18	J-1	J-AFL maintenance shed	150.0	mPVC	100.0	0.0000	0.0000	59	0.00	0.00	0.00	0.000
1368	P-166	20	J-180	J-181	100.0	mPVC	100.0	0.0000	0.0000	57	0.00	0.00	0.00	0.000
1375	P-168	4	J-184	J-Primary School	200.0	mPVC	110.0	0.0000	0.0000	61	0.00	0.00	0.00	0.000
1406	P261HLZ(1)	29	B-065	P9 Low Point	100.0	mPVC	100.0	0.0105	0.0139	57	0.00	0.00	0.00	0.000
1467	P-189	13	J-High School	I-High School	150.0	mPVC	100.0	0.0000	7.2400	58	0.41	0.00	0.00	0.000
1499	P-202	6	L-SPORT&RECCLUBHOUSE	I-Sport and Rec Irrigation Node	150.0	Ductile Iron	100.0	0.0000	10.8000	56	0.61	0.00	0.00	0.000
1523	P-210(2)	13	J-223	L-014	200.0	mPVC	110.0	0.0000	0.0000	61	0.00	0.00	0.00	0.000
1526	P-210(1)(1)	140	L-027	PRV-8	100.0	mPVC	100.0	0.0000	0.0000	45	0.00	0.00	0.00	0.000
1527	P-210(1)(2)	7	PRV-8	J-223	100.0	mPVC	100.0	0.0000	0.0000	71	0.00	0.00	0.00	0.000
401	P271HLZ	27	B-005	B-006	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
402	P270HLZ	33	B-004	B-005	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
468	P220HLZ	152	B-012	B-014	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
470	P218HLZ	206	B-011	B-006	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
471	P217HLZ	100	B-007	B-011	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
472	P216HLZ	102	B-006	B-007	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
473	P215HLZ	34	B-004	B-010	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
474	P214HLZ	26	B-003	B-004	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
475	P213HLZ	118	B-009	B-003	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
476	P212HLZ	262	B-002	B-009	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
477	P211HLZ	77	B-002	B-003	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
544	P039LLZ	174	L-ECO-002	L-ECO-003	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
545	P038LLZ	133	L-041	L-013	250.0	mPVC	110.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
548	P035LLZ	50	L-002	L-003	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
550	P033LLZ	310	RoundMt	L-001	250.0	mPVC	110.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
551	P032LLZ	125	L-035	L-036	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
553	P030LLZ	227	L-009	L-010	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
554	P029LLZ	126	L-004	L-009	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
571	P012LLZ	80	L-039	L-037	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
574	P009LLZ	75	L-036	L-038	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
575	P008LLZ	79	L-012	L-007	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
576	P007LLZ	61	L-006	L-008	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
580	P003LLZ	76	L-005	L-006	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
584	P351HLZ	43	S-033	B-075	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
601	P336HLZ	41	B-066	B-067	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
608	P139LLZ	179	L-040a	L-040	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
610	P137LLZ	64	L-034a	L-035	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
611	P136LLZ	150	L-034	L-034a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
612	P335HLZ	105	B-016a	B-016	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
613	P334HLZ	114	B-013	B-016a	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
614	P333HLZ	129	B-014a	B-015	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
615	P332HLZ	75	B-014	B-014a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)

624	P135LLZ	83	L-ECO-008	L-ECO-006	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
624	P133LLZ	68	L-ECO-006	L-ECO_007	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
627	P130LLZ	259	L-ECO-006	L-ECO-002	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
628	P129LLZ	97	L-ECO-001	L-ECO-005	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
629	P128LLZ	178	L-ECO-005	L-ECO-004	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
630	P127LLZ	103	L-010a	L-ECO-005	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
631	P126LLZ	95	L-010a	L-012	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
633	P124LLZ	128	L-005	L-007	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
668	P119LLZ	81	L-035a	L-045	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
672	P116LLZ	224	L-008a	L-008	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
894	P-25	63	B-014a	J-26	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
896	P221HLZ(1)	74	B-012	J-27	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
897	P221HLZ(2)	44	J-27	B-013	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
898	P-26	88	J-26	J-27	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
900	P-27	149	J-28	J-26	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
905	P-30	116	J-28	B-016a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
907	P138LLZ(1)	33	L-038	J-31	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
909	P-31	240	L-034a	J-31	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
911	P118LLZ(1)	3	L-035a	J-32	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
912	P118LLZ(2)	181	J-32	L-035	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
914	P011LLZ(1)	36	L-036	J-33	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
915	P011LLZ(2)	88	J-33	L-037	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
916	P-32	152	J-32	J-33	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
919	P117LLZ(1)	113	L-037	J-35	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
920	P117LLZ(2)	74	J-35	L-035a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
921	P-33	44	J-35	J-34	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
923	P013LLZ(1)	30	L-038	J-36	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
924	P013LLZ(2)	126	J-36	L-039	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
926	P138LLZ(2)(1)	192	J-31	J-37	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
927	P138LLZ(2)(2)	8	J-37	L-040a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
930	P-34(1)	75	J-36	J-38	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
931	P-34(2)	71	J-38	J-37	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
933	P010LLZ(1)	62	L-040	J-39	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
934	P010LLZ(2)	81	J-39	L-039	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
935	P-35	162	J-38	J-39	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
944	P294HLZ(1)	111	B-015	J-43	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1065	P006LLZ(1)	15	L-008	J-79	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1069	P131LLZ(2)	131	J-80	L-ECO_007	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1072	P132LLZ(2)	82	J-81	L-ECO-002	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1074	P132LLZ(1)(1)	72	L-ECO_007	J-82	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1075	P132LLZ(1)(2)	77	J-82	J-81	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1078	P040LLZ(2)	101	J-83	L-ECO-004	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1079	P-63	163	J-83	J-82	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1081	P040LLZ(1)(1)	19	L-ECO-003	J-84	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1082	P040LLZ(1)(2)	82	J-84	J-83	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1083	P-64	136	J-84	J-81	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1085	P134LLZ(1)	78	L-008a	J-85	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1086	P134LLZ(2)	92	J-85	L-ECO-008	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1088	P131LLZ(1)(1)	108	L-ECO-001	J-86	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1089	P131LLZ(1)(2)	64	J-86	J-80	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1090	P-65	166	J-86	L-ECO-008	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1091	P-66	170	L-ECO-001	J-85	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1093	P115LLZ(1)	71	L-007	J-87	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1094	P115LLZ(2)	67	J-87	L-008a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1095	P-67	183	L-006	J-87	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1098	P031LLZ(2)	105	J-88	L-012	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1100	P031LLZ(1)(1)	76	L-009	J-89	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1101	P031LLZ(1)(2)	122	J-89	J-88	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1103	P125LLZ(1)	74	L-010	J-90	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1104	P125LLZ(2)	93	J-90	L-010a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1105	P-68	76	J-89	J-90	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1108	P004LLZ(2)	39	J-91	L-005	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1109	P-69	76	J-88	J-91	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1111	P004LLZ(1)(1)	51	L-004	J-92	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1112	P004LLZ(1)(2)	25	J-92	J-91	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1114	P006LLZ(2)(1)	64	J-79	J-93	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1118	P006LLZ(2)(2)(1)	3	J-93	J-94	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1119	P006LLZ(2)(2)(2)	150	J-94	L-003	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1121	P037LLZ(1)	7	L-045	J-95	250.0	mPVC	110.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1122	P037LLZ(2)	145	J-95	L-041	250.0	mPVC	110.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1123	P-71	64	J-94	J-95	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1128	P-70(1)	77	J-92	J-97	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1129	P-70(2)	75	J-97	J-93	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1130	P-72	122	J-96	J-97	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1132	P005LLZ(1)(1)	58	L-003	J-98	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)

1134	P005LLZ(1)(2)	54	J-98	J-96	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1139	P-73	28	J-98	B-010	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1140	P028LLZ(1)	24	L-002	J-100	250.0	mPVC	110.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1141	P028LLZ(2)	126	J-100	L-045	250.0	mPVC	110.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1142	P-74	100	L-001	L-002	250.0	mPVC	110.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1300	P-75	42	L-034	J-100	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1301	P-146	29	J-159	J-28	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1414	P-147	58	L-ECO-004	J-80	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1415	P-176	32	B-008	L-004	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1417	P-177	56	J-96	B-008	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1418	P296HLZ(1)	12	B-012	J-196	150.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1508	P296HLZ(2)	79	J-196	B-002	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1509	P219HLZ(1)	61	B-007	J-221	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1551	P219HLZ(2)	28	J-221	B-008	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1552	P-142(1)	28	B-068a	J-227	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1554	P-142(2)	36	J-227	S-044a	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1555	P-143(1)	25	B-068b	J-228	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1557	P-143(2)	40	J-228	S-046	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1558	P-153(1)	22	J-164	J-229	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1558	P-153(2)	37	J-229	S-047	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)

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Scenario: Ultimate
Current Time Step: 0.000 h
FlexTable: Junction Table

ID	Label	Elevation (m)	Zone	Demand (L/s)	Hydraulic Grade (m)	Pressure (m H2O)	Pressure (Maximum) (m H2O)	Pressure (Minimum) (m H2O)
223	B-012	43.50	P3	0.0213	106.86	63	63	62
1416	J-196	43.81	P3	0.0249	106.86	63	63	62
1405	P9 Low Point	44.00	P9	0.0000	106.88	63	63	62
895	J-27	44.50	P3	0.0356	106.87	62	62	61
291	B-066	45.00	P9	0.0042	106.88	62	62	61
971	J-51	45.00	P1	0.0000	106.88	62	62	61
964	J-49	45.00	P1	0.0000	106.88	62	62	61
332	B-026	45.00	P1	0.0061	106.88	62	62	61
960	J-48	45.00	P2	0.0031	106.88	62	62	61
957	J-47	45.00	P2	0.0142	106.88	62	62	61
893	J-26	45.50	P3	0.0604	106.86	61	61	60
967	J-50	45.75	P2	0.0031	106.88	61	61	60
246	S-003	46.00	P9	0.0209	106.90	61	61	60
978	J-53	46.00	P9	0.0461	106.88	61	61	60
214	B-025	46.00	P1	0.0307	106.88	61	61	60
222	B-014	46.00	P3	0.0574	106.86	61	61	60
231	B-002	46.25	P4	0.0255	106.86	60	60	59
190	B-062	46.50	P9	0.0293	106.88	60	60	59
82	B-014a	46.50	P3	0.0249	106.86	60	60	59
108	T-1001	46.69	P1	0.0092	106.88	60	60	59
1395	P8 Low Point	46.75	P8	0.0296	106.89	60	60	59
1319	J-166	46.94	P1	0.0000	106.88	60	60	59
1364	J-180	47.00	P1	0.0000	106.88	60	60	59
183	B-065	47.00	P9	0.0377	106.88	60	60	59
1187	J-115	47.00	P2	0.0189	106.87	60	60	59
250	S-038	47.10	P8	0.0030	106.89	60	60	59
238	S-037	47.25	P8	0.0296	106.89	59	60	59
216	B-024	47.25	P2	0.0498	106.88	59	59	59
1332	J-AFL Club House	47.26	P1	0.0000	106.88	59	59	59
236	S-039	47.35	P8	0.0296	106.89	59	59	59
1281	J-152	47.50	P8	0.0355	106.89	59	59	58
93	B-025a	47.50	P1	0.0307	106.88	59	59	58
1324	J-168	47.51	P1	0.0000	106.88	59	59	58
854	J-13	47.80	P8	0.0296	106.89	59	59	58
1365	J-181	47.83	P1	0.0000	106.88	59	59	58
113	B-058a	48.00	P9	0.0168	106.89	59	59	58
165	B-033	48.00	P1	0.0092	106.88	59	59	58
331	B-023	48.00	P1	0.0184	106.88	59	59	58
974	J-52	48.13	P9	0.0293	106.89	59	59	58
851	J-12	48.30	P8	0.0178	106.89	58	58	58
1288	J-155	48.35	P10	0.0213	106.90	58	58	58
253	S-040	48.35	P8	0.0148	106.89	58	58	58
954	J-46	48.50	P2	0.0425	106.88	58	58	57
1189	J-116	48.50	P2	0.0425	106.88	58	58	57
341	B-003	48.50	P4	0.0291	106.86	58	58	57
228	B-004	48.50	P4	0.0073	106.86	58	58	57
226	B-007	48.50	P4	0.0364	106.86	58	58	57
104	B-064a	48.75	P9	0.0628	106.88	58	58	57
237	S-054	48.80	P8	0.0296	106.89	58	58	57
91	B-023b	48.82	P1	0.0460	106.88	58	58	57
251	S-030	48.85	P8	0.0333	106.89	58	58	57
212	B-022	49.00	P1	0.0123	106.88	58	58	57
220	B-013	49.00	P3	0.0427	106.87	58	58	57
229	B-010	49.00	P4	0.0073	106.86	58	58	57
1384	J-188	49.50	P1	0.0122	106.90	57	57	56
184	B-056	49.50	P9	0.0335	106.89	57	57	56
157	B-020	49.50	P2	0.0531	106.88	57	57	56
1507	J-221	49.54	<None>	0.0089	106.86	57	57	56
235	S-041	49.60	P8	0.0178	106.89	57	57	56
252	S-031	49.65	P8	0.0241	106.89	57	57	56
243	S-044	50.00	P8	0.0304	106.90	57	57	56
258	S-029	50.00	P8	0.0626	106.89	57	57	56
255	S-032	50.00	P8	0.0210	106.89	57	57	56
1026	J-68	50.00	P9	0.0293	106.89	57	57	56
167	B-034	50.00	P1	0.0123	106.88	57	57	56
1055	J-77	50.00	P1	0.0153	106.88	57	57	56
92	B-023a	50.00	P1	0.0153	106.88	57	57	56
882	J-23	50.01	P1	0.0184	106.88	57	57	56
885	J-24	50.25	P1	0.0123	106.88	56	56	56
102	S-027a	50.50	P8	0.0503	106.89	56	56	55
343	B-058	50.50	P9	0.0377	106.89	56	56	55
163	B-027	50.50	P1	0.0123	106.88	56	56	55
218	B-019	50.50	P2	0.0755	106.87	56	56	55
227	B-006	50.50	P4	0.0328	106.86	56	56	55
225	B-011	50.50	P4	0.0401	106.86	56	56	55
259	S-043	50.60	P8	0.0638	106.90	56	56	55
254	S-033	50.60	P8	0.0090	106.89	56	56	55
94	B-030a	50.69	P1	0.0276	106.88	56	56	55

1053	J-76	50.75	P1	0.0153	106.88	56	56	55
1556	J-229	50.77	<None>	0.0000	106.89	56	56	55
1550	J-227	50.95	<None>	0.0000	106.89	56	56	55
261	S-028	51.00	P8	0.0271	106.89	56	56	55
981	J-54	51.00	P9	0.0503	106.88	56	56	55
1315	J-165	51.00	P1	0.0153	106.88	56	56	55
866	J-17	51.00	P1	0.0123	106.88	56	56	55
864	J-16	51.00	P1	0.0092	106.88	56	56	55
162	B-005	51.00	P4	0.0073	106.86	56	56	55
889	J-25	51.25	P1	0.0123	106.88	55	56	55
257	S-045	51.50	P8	0.0426	106.89	55	55	54
245	S-047	51.50	P8	0.0304	106.89	55	55	54
215	B-021	51.50	P2	0.0375	106.88	55	55	54
282	S-027	51.80	P8	0.0210	106.90	55	55	54
1553	J-228	51.80	<None>	0.0000	106.89	55	55	54
189	B-063	52.00	P9	0.1173	106.88	55	55	54
211	B-030	52.00	P1	0.0399	106.88	55	55	54
265	S-036	52.20	P8	0.0326	106.90	55	55	54
210	B-028	52.25	P1	0.0184	106.88	54	55	54
1285	J-153	52.30	P10	0.0395	106.90	54	54	54
249	S-013	52.30	P8	0.0473	106.89	54	54	54
221	B-015	52.50	P3	0.0462	106.86	54	54	53
273	S-026	52.65	P8	0.0150	106.90	54	54	53
118	S-044a	52.85	P8	0.0274	106.89	54	54	53
1304	J-161	53.00	P11	0.0000	106.91	54	54	53
186	B-055	53.00	P1	0.0241	106.89	54	54	53
170	B-035	53.00	P1	0.0245	106.88	54	54	53
81	B-016a	53.00	P2	0.0711	106.87	54	54	53
230	B-009	53.00	P4	0.0728	106.86	54	54	53
1059	J-78	53.03	P1	0.0215	106.88	54	54	53
247	S-002	53.50	P9	0.0487	106.90	53	53	52
260	S-025	53.50	P8	0.0572	106.90	53	53	52
256	S-046	53.50	P8	0.0304	106.89	53	53	52
1419	J-197	53.50	P2	0.0236	106.88	53	53	52
899	J-28	53.75	P3	0.0462	106.87	53	53	52
342	B-043	54.00	P12	0.0018	106.89	53	53	52
208	B-029	54.00	P1	0.0184	106.88	53	53	52
1401	J-192	54.06	P12	0.0092	106.89	53	53	52
1268	J-149	54.10	P8	0.0326	106.90	53	53	52
1462	J-213	54.50	<None>	0.0000	106.89	52	52	51
209	B-031	54.50	P1	0.0276	106.88	52	52	51
950	J-45	54.50	P2	0.0755	106.87	52	52	51
993	J-58	54.55	P1	0.0031	106.88	52	52	51
1265	J-148	54.67	P8	0.0237	106.90	52	52	51
936	J-40	54.81	P2	0.0295	106.87	52	52	51
203	B-044	55.00	P1	0.0111	106.89	52	52	51
333	B-041	55.00	P1	0.0061	106.89	52	52	51
325	B-016	55.00	P2	0.0378	106.87	52	52	51
1299	J-159	55.00	P3	0.0320	106.87	52	52	51
266	S-035	55.10	P10	0.0473	106.90	52	52	51
105	B-021a	55.25	P2	0.0661	106.88	51	52	51
870	J-19	55.30	P1	0.0337	106.88	51	51	50
185	B-057	55.50	P9	0.0419	106.89	51	51	50
991	J-57	55.50	P1	0.0031	106.88	51	51	50
96	B-028a	55.69	P1	0.0276	106.88	51	51	50
849	J-11	55.75	P10	0.0000	106.90	51	51	50
267	S-024	55.80	P10	0.0270	106.90	51	51	50
269	S-034	55.90	P10	0.0326	106.90	51	51	50
1029	J-69	55.89	P9	0.0419	106.89	51	51	50
248	S-042	56.00	P10	0.0395	106.90	51	51	50
206	B-037	56.00	P1	0.0123	106.88	51	51	50
100	B-036a	56.00	P1	0.0491	106.88	51	51	50
205	B-032	56.00	P1	0.0705	106.88	51	51	50
262	S-023	56.35	P10	0.0150	106.90	50	50	50
271	S-022	56.50	P10	0.0150	106.90	50	50	49
1033	J-70	56.49	P12	0.0129	106.89	50	50	49
1008	J-62	56.50	P12	0.0240	106.89	50	50	49
83	B-055a	56.50	P9	0.0469	106.89	50	50	49
95	B-031b	56.50	P1	0.0307	106.88	50	50	49
97	B-031a	56.76	P1	0.0460	106.88	50	50	49
274	S-012	57.00	P8	0.0266	106.90	50	50	49
192	B-064	57.00	P9	0.0922	106.88	50	50	49
198	B-046	57.50	P12	0.0092	106.89	49	49	48
1015	J-65	57.50	P9	0.0293	106.89	49	49	48
263	S-021	57.60	P10	0.0449	106.90	49	49	48
1271	J-150	57.74	P8	0.0414	106.90	49	49	48
1019	J-66	57.75	P9	0.0251	106.89	49	49	48
842	J-8	57.90	P10	0.0182	106.90	49	49	48
199	B-047	58.00	P12	0.0111	106.89	49	49	48
213	B-036	58.00	P1	0.0307	106.88	49	49	48
943	J-43	58.00	P2	0.0213	106.87	49	49	48
845	J-9	58.25	P10	0.0213	106.90	49	49	48
940	J-42	58.37	P2	0.0461	106.87	48	48	47
188	B-059	58.50	P9	0.0712	106.89	48	48	47
111	B-018a	58.50	P2	0.0283	106.88	48	48	47
217	B-018	58.50	P2	0.0614	106.87	48	48	47
1022	J-67	58.75	P9	0.0209	106.89	48	48	47
877	J-21	58.75	P1	0.0307	106.88	48	48	47

	P14 - Low Point	33.00	P5	0.0458	81.11	48	52	48
112	B-055b	59.00	P9	0.0293	106.89	48	48	47
130	L-1085	33.63	P5	0.0212	81.23	47	51	47
1084	J-85	35.85	P3	0.0364	83.29	47	49	47
321	L-010	36.00	P4	0.0109	83.31	47	49	47
110	L-008a	36.00	P4	0.0255	83.29	47	49	47
947	J-44	59.79	P2	0.0330	106.87	47	47	46
1277	J-151	59.90	P8	0.0503	106.90	47	47	46
1547	P-14 DemandB	33.89	<None>	0.4263	80.84	47	51	47
114	S-004a	60.00	P10	0.0577	106.90	47	47	46
268	S-011	60.00	P10	0.0237	106.90	47	47	46
200	B-048	60.00	P12	0.0213	106.89	47	47	46
219	B-017	60.00	P2	0.0283	106.87	47	47	46
1457	J-211	60.46	<None>	0.0000	106.90	46	46	46
86	L-ECO-008	36.95	P4	0.0328	83.29	46	48	46
88	L-ECO-006	37.00	P4	0.0146	83.29	46	48	46
309	L-019	34.60	P5	0.0121	80.69	46	50	46
172	B-042	61.00	P1	0.0190	106.89	46	46	45
288	L-041	37.00	P3	0.0181	82.55	45	48	45
272	S-010	61.50	P10	0.0266	106.90	45	45	44
98	B-038a	61.50	P1	0.0368	106.88	45	45	44
301	L-028	35.00	P6	0.0031	80.27	45	50	45
127	L-027a	35.10	P5	0.0000	80.37	45	50	45
1441	J-205	35.25	<None>	0.0000	80.46	45	49	45
1092	J-87	38.10	P4	0.0692	83.29	45	47	45
1355	J-178	35.00	P7	0.0141	80.18	45	50	45
232	I-SPORT&RECPARK	36.00	P5	10.8000	81.11	45	49	45
311	L-018	37.00	P5	0.0121	81.92	45	48	45
153	B-077	62.00	P12	0.0168	106.90	45	45	44
191	B-061	62.00	P9	0.0587	106.89	45	45	44
207	B-038	62.00	P1	0.0215	106.88	45	45	44
1398	J-191	62.00	P2	0.0330	106.87	45	45	44
917	J-34	38.25	P3	0.0142	83.10	45	47	45
1102	J-90	38.56	P4	0.0146	83.31	45	46	45
314	L-040	38.50	P3	0.0249	83.11	45	46	44
275	S-018	62.50	P11	0.0413	106.91	44	44	44
193	B-051	62.50	P12	0.0377	106.90	44	44	43
985	J-55	62.50	P12	0.0283	106.90	44	44	43
932	J-39	38.72	P3	0.0356	83.11	44	46	44
873	J-20	62.50	P1	0.0552	106.88	44	44	43
918	J-35	38.75	P3	0.0356	83.10	44	46	44
998	J-59	62.75	P1	0.0141	106.89	44	44	43
910	J-32	39.00	P3	0.0391	83.10	44	46	44
109	L-035a	39.00	P3	0.0213	83.10	44	46	44
74	S-115	62.90	P10	0.0330	106.91	44	44	43
1452	J-209	62.90	<None>	0.0000	106.90	44	44	43
197	B-050	63.00	P12	0.0116	106.90	44	44	43
345	L-013	38.30	P5	0.0091	82.10	44	47	44
284	L-ECO-004	39.50	P4	0.0219	83.29	44	45	44
1076	J-83	39.50	P3	0.0328	83.29	44	45	44
1351	J-177	63.25	P12	0.0293	106.91	44	44	43
144	L-1000	36.60	P7	0.0070	80.19	43	48	43
308	L-027	37.00	P5	0.0000	80.40	43	48	43
1446	J-207	36.80	<None>	0.0000	80.18	43	48	43
90	L-ECO-005	40.00	P4	0.0219	83.29	43	45	43
285	L-ECO-003	40.00	P3	0.0219	83.29	43	45	43
1080	J-84	40.00	P3	0.0291	83.29	43	45	43
313	L-039	40.00	P3	0.0284	83.11	43	45	43
338	L-021	37.10	P6	0.0153	80.20	43	48	43
76	S-105	63.90	P10	0.0486	106.91	43	43	42
75	S-110	63.90	P10	0.0334	106.91	43	43	42
280	S-009	63.90	P10	0.0296	106.90	43	43	42
838	J-7	64.00	P11	0.0413	106.91	43	43	42
99	B-039a	64.00	P1	0.0552	106.88	43	43	42
101	S-008a	64.10	P10	0.0414	106.90	43	43	42
320	L-008	40.50	P4	0.0291	83.29	43	44	43
1067	J-80	40.80	P3	0.0401	83.29	42	44	42
1005	J-61	64.43	P12	0.0332	106.89	42	42	41
323	L-007	40.90	P4	0.0401	83.30	42	44	42
196	B-052	64.50	P12	0.0209	106.90	42	42	41
270	S-008	64.60	P10	0.0030	106.90	42	42	41
87	L-ECO_007	41.00	P4	0.0473	83.29	42	44	42
1113	J-93	41.00	P4	0.0109	83.28	42	44	42
1120	J-95	40.76	P4	0.0216	83.04	42	44	42
1117	J-94	41.00	P4	0.0364	83.27	42	44	42
1064	J-79	41.17	P4	0.0328	83.29	42	44	42
300	L-031	38.10	P6	0.0122	80.21	42	47	42
294	L-045	41.00	P3	0.0323	83.06	42	44	42
1073	J-82	41.32	P3	0.0619	83.29	42	43	42
242	S-019	64.95	P11	0.0000	106.91	42	42	41
830	J-4	65.00	P11	0.0000	106.91	42	42	41
146	B-081	65.00	P12	0.0369	106.90	42	42	41
124	L-1050	38.50	P6	0.0214	80.20	42	46	41
233	P14 Demand A	39.75	P5	0.4352	81.42	42	45	41
1070	J-81	41.66	P3	0.0546	83.29	42	43	41
312	L-037	41.50	P3	0.0391	83.11	42	43	41
1138	J-100	42.00	P4	0.0252	83.40	41	43	41
289	L-001	42.50	P3	0.0219	83.84	41	42	41

	L-010a	42.00	P4	0.0364	83.30	41	43	41
286	L-ECO-002	42.00	P4	0.0328	83.29	41	43	41
1425	J-199	65.70	P12	0.0503	106.90	41	41	40
1143	J-101	40.10	P5	0.0121	81.27	41	45	41
1001	J-60	65.75	P12	0.0240	106.89	41	41	40
1087	J-86	42.25	P3	0.0656	83.29	41	43	41
346	L-002	42.50	P3	0.0109	83.47	41	42	41
279	S-007	66.00	P10	0.0089	106.91	41	41	40
202	B-045	66.00	P1	0.0055	106.89	41	41	40
187	B-060	66.00	P9	0.0335	106.89	41	41	40
148	B-079	66.00	P1	0.0123	106.89	41	41	40
832	J-5	66.10	P11	0.0000	106.91	41	41	40
84	B-045a	66.13	P12	0.0222	106.89	41	41	40
1521	J-223	39.77	<None>	0.0000	80.44	41	45	40
290	L-014	40.00	P6	0.0030	80.44	40	45	40
234	S-052	66.50	P11	0.0413	106.91	40	40	40
276	S-017	66.50	P11	0.0413	106.91	40	40	40
201	B-049	66.50	P12	0.0018	106.89	40	40	39
292	L-034	43.00	P3	0.0498	83.34	40	42	40
1099	J-89	43.00	P4	0.0583	83.31	40	42	40
324	L-006	43.00	P4	0.0473	83.29	40	42	40
287	L-ECO-001	43.00	P4	0.0473	83.29	40	42	40
1168	J-109	39.90	P7	0.0246	80.18	40	45	40
1372	J-184	40.00	P1	0.0000	80.17	40	45	40
1258	J-146	66.80	P10	0.0274	106.91	40	40	39
299	L-022	40.10	P6	0.0244	80.18	40	45	40
1261	J-147	66.90	P10	0.0150	106.91	40	40	39
1371	J-Primary School	40.25	P1	0.0000	80.17	40	45	40
73	S-120	67.00	P11	0.0413	106.91	40	40	39
204	B-039	67.00	P1	0.0153	106.88	40	40	39
107	T-1010	40.33	P1	0.0000	80.19	40	44	40
317	L-012	43.50	P4	0.0401	83.30	40	41	40
1037	J-71	67.10	P12	0.0055	106.89	40	40	39
71	823-A	67.50	P1	0.0018	107.00	39	39	39
123	L-1055	40.75	P6	0.0214	80.19	39	44	39
826	J-2	67.50	P11	0.0000	106.91	39	39	39
70	823-B	67.50	P1	0.0000	106.89	39	39	38
1164	J-107	40.80	P7	0.0422	80.17	39	44	39
283	S-006	67.90	P10	0.0151	106.91	39	39	38
307	L-015	40.50	P1	0.0000	79.48	39	44	39
1165	J-108	41.25	P7	0.0211	80.18	39	43	39
168	B-040	68.00	P1	0.0061	106.88	39	39	38
327	L-SCHOOL	40.50	P6	0.2273	79.31	39	44	39
149	I-SCHOOL	40.50	P6	5.4000	79.29	39	44	39
1041	J-72	68.25	P12	0.0314	106.89	39	39	38
79	L-040a	44.50	P3	0.0142	83.11	39	40	38
1347	J-176	68.33	P10	0.0091	106.91	38	38	38
328	L-016	40.80	P1	0.0000	79.35	38	44	38
156	S-NEIGHBOURHOODCENTRE	68.50	P12	0.2394	106.98	38	38	38
334	S-001	68.50	P9	0.0114	106.92	38	38	38
319	L-003	45.00	P4	0.0291	83.42	38	40	38
1163	J-106	41.75	P7	0.0096	80.17	38	43	38
816	A-01	68.50	P11	0.0413	106.91	38	38	38
925	J-37	44.75	P3	0.0213	83.11	38	40	38
340	L-005	45.00	P4	0.0401	83.30	38	40	38
1048	J-74	69.00	P9	0.0000	106.93	38	38	37
77	S-100	69.00	P9	0.0042	106.92	38	38	37
989	J-56	69.00	P9	0.0000	106.92	38	38	37
1162	J-105	42.25	P7	0.0422	80.17	38	42	38
1293	J-157	69.00	P12	0.0092	106.89	38	38	37
318	L-009	45.50	P4	0.0583	83.32	38	39	38
264	S-004	69.10	P10	0.0091	106.92	38	38	37
913	J-33	45.41	P3	0.0320	83.11	38	39	38
1343	J-175	69.22	P10	0.0061	106.92	38	38	37
1408	J-194	69.26	P9	0.0168	106.92	38	38	37
277	S-020	69.25	P11	0.0413	106.91	38	38	37
1127	J-97	45.80	P4	0.0437	83.32	37	39	37
1369	J-High School	41.75	P6	0.2970	79.25	37	43	37
1466	I-High School	41.75	P6	7.2400	79.22	37	43	37
1096	J-88	46.00	P4	0.0510	83.31	37	39	37
103	L-035	45.94	P3	0.0782	83.13	37	39	37
335	S-005	69.75	P10	0.0274	106.92	37	37	36
160	S-053	69.75	P10	0.0000	106.91	37	37	36
296	L-044	43.00	P7	0.0317	80.16	37	42	37
834	J-6	70.00	P11	0.0413	106.91	37	37	36
194	B-054	70.00	P12	0.0203	106.89	37	37	36
1297	J-158	70.00	P12	0.0074	106.89	37	37	36
85	B-049a	70.00	P12	0.0129	106.89	37	37	36
1302	J-160	70.00	P12	0.0111	106.89	37	37	36
723	J-1	43.00	P5	0.0000	79.87	37	42	37
106	T-1005	43.15	P5	0.0000	79.87	37	42	37
1540	J-225	42.65	<None>	0.0000	79.37	37	42	37
1292	J-156	70.25	P12	0.0111	106.89	37	37	36
137	J-273	43.60	P7	0.0317	80.16	36	41	36
136	J-274	43.60	P7	0.0141	80.16	36	41	36
828	J-3	70.50	P11	0.0000	106.91	36	36	36
807	J-2	43.75	P7	0.0106	80.16	36	41	36
1335	J-173	70.60	P12	0.0000	106.95	36	36	36

	J-198	70.60	P11	0.0413	106.91	36	36	36
181	B-078	43.80	P6	0.0244	80.10	36	41	36
80	L-034a	47.00	P3	0.0462	83.16	36	38	36
139	L-1020	44.00	P7	0.0387	80.15	36	41	36
326	L-017	43.25	P6	0.0061	79.38	36	42	36
316	L-036	47.00	P3	0.0284	83.11	36	38	36
278	S-014	70.80	P11	0.0000	106.91	36	36	35
929	J-38	47.00	P3	0.0533	83.11	36	38	36
134	J-276	44.10	P7	0.0281	80.16	36	41	36
922	J-36	47.06	P3	0.0427	83.11	36	38	36
330	S-055	71.00	P11	0.0000	106.98	36	36	36
1153	J-103	44.25	P6	0.0550	80.18	36	40	36
281	S-016	71.00	P11	0.0413	106.91	36	36	35
138	J-272	44.25	P7	0.0317	80.16	36	40	36
1173	J-110	44.30	P7	0.0106	80.17	36	40	36
305	L-033	44.30	P6	0.0183	80.17	36	40	36
1328	J-AFL maintenance shed	44.00	P1	0.0000	79.87	36	41	36
822	J-1	71.10	P11	0.0413	106.91	36	36	35
1106	J-91	47.68	P4	0.0146	83.31	36	37	35
142	L-1010	44.60	P7	0.0211	80.17	35	40	35
1159	J-104	44.60	P7	0.0281	80.16	35	40	35
135	J-275	44.60	P7	0.0211	80.16	35	40	35
140	L-1015	44.75	P7	0.0106	80.17	35	40	35
1131	J-98	48.00	P4	0.0109	83.39	35	37	35
1559	J-230	44.00	<None>	0.0000	79.38	35	41	35
173	B-074	44.80	P6	0.0122	80.18	35	40	35
336	L-042	44.80	P7	0.0246	80.16	35	40	35
1044	J-73	71.62	P12	0.0314	106.89	35	35	34
1110	J-92	48.10	P4	0.0182	83.32	35	37	35
141	J-269	45.00	P7	0.0176	80.15	35	40	35
295	L-024	45.00	P6	0.0122	80.15	35	40	35
861	J-15	45.10	P7	0.0176	80.16	35	40	35
143	L-1005	45.10	P7	0.0070	80.16	35	40	35
133	J-277	45.25	P7	0.0211	80.16	35	39	35
145	B-082	72.00	P9	0.0545	106.90	35	35	34
344	B-067	44.50	P6	0.0061	79.39	35	40	35
859	J-14	45.40	P7	0.0352	80.16	35	39	35
1051	J-75	72.50	P11	0.0413	106.91	34	34	34
315	L-038	48.75	P3	0.0036	83.11	34	36	34
293	L-SPORT&RECCLUBHOUSE	45.50	P6	0.0730	79.85	34	39	34
1498	I-Sport and Rec Irrigation Node	45.50	P6	10.8000	79.82	34	39	34
195	B-053	72.60	P12	0.0092	106.90	34	34	33
329	S-015	72.75	P11	0.0413	106.91	34	34	33
297	L-043	46.00	P7	0.0211	80.16	34	39	34
174	L-047	46.00	P6	0.0244	80.12	34	39	34
1339	J-174	72.81	P12	0.0344	106.90	34	34	33
147	B-080	73.00	P12	0.0084	106.90	34	34	33
322	L-004	49.50	P4	0.0182	83.35	34	35	34
182	B-068	45.80	P6	0.0336	79.40	34	39	33
1360	J-179	46.60	P6	0.0153	80.08	33	38	33
1124	J-96	50.00	P4	0.0182	83.37	33	35	33
224	B-008	50.00	P4	0.0291	83.36	33	35	33
115	B-071a	46.80	P6	0.0336	80.13	33	38	33
906	J-31	50.00	P3	0.0604	83.12	33	35	33
175	B-076	47.25	P6	0.0092	80.06	33	38	33
176	B-073	48.25	P6	0.0580	80.07	32	37	32
180	B-070	49.10	P6	0.0214	80.10	31	36	31
178	B-072	49.50	P6	0.0244	80.10	31	35	30
337	B-075	49.50	P6	0.0244	79.94	30	35	30
1560	J-231	49.75	<None>	0.0000	80.00	30	35	30
117	B-068a	49.50	P8	0.0428	79.52	30	35	30
179	B-069	50.00	P8	0.0183	79.67	30	35	29
1311	J-164	50.35	P8	0.0305	79.72	29	34	29
116	B-068b	50.75	P8	0.0153	79.61	29	34	29
69	1227-A	79.23	P9	0.0000	106.98	28	28	28
68	1227-B	79.23	P9	0.0000	106.98	28	28	28

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Scenario: Ultimate
Current Time Step: 19.000 h
FlexTable: Junction Table

ID	Label	Elevation (m)	Zone	Demand (L/s)	Hydraulic Grade (m)	Pressure (m H2O)	Pressure (Maximum) (m H2O)	Pressure (Minimum) (m H2O)
223	B-012	43.50	P3	0.0711	105.77	62	63	62
1416	J-196	43.81	P3	0.0830	105.77	62	63	62
1405	P9 Low Point	44.00	P9	0.0000	105.94	62	63	62
895	J-27	44.50	P3	0.1185	105.77	61	62	61
291	B-066	45.00	P9	0.0139	105.94	61	62	61
971	J-51	45.00	P1	0.0000	105.94	61	62	61
964	J-49	45.00	P1	0.0000	105.94	61	62	61
332	B-026	45.00	P1	0.0200	105.93	61	62	61
960	J-48	45.00	P2	0.0100	105.93	61	62	61
957	J-47	45.00	P2	0.0474	105.93	61	62	61
893	J-26	45.50	P3	0.2015	105.77	60	61	60
967	J-50	45.75	P2	0.0100	105.93	60	61	60
246	S-003	46.00	P9	0.0694	106.13	60	61	60
978	J-53	46.00	P9	0.1526	105.94	60	61	60
214	B-025	46.00	P1	0.0998	105.93	60	61	60
222	B-014	46.00	P3	0.1902	105.77	60	61	60
231	B-002	46.25	P4	0.0836	105.74	59	60	59
190	B-062	46.50	P9	0.0971	105.95	59	60	59
82	B-014a	46.50	P3	0.0830	105.77	59	60	59
1395	P8 Low Point	46.75	P8	0.0987	106.01	59	60	59
108	T-1001	46.69	P1	0.0299	105.94	59	60	59
1319	J-166	46.94	P1	0.0000	105.94	59	60	59
1364	J-180	47.00	P1	0.0000	105.96	59	60	59
183	B-065	47.00	P9	0.1248	105.94	59	60	59
250	S-038	47.10	P8	0.0099	106.02	59	60	59
1187	J-115	47.00	P2	0.0631	105.83	59	60	59
238	S-037	47.25	P8	0.0987	106.02	59	60	59
1332	J-AFL Club House	47.26	P1	0.0000	105.95	59	59	59
216	B-024	47.25	P2	0.1646	105.91	59	59	59
236	S-039	47.35	P8	0.0987	106.01	59	59	59
1281	J-152	47.50	P8	0.1185	106.02	58	59	58
1324	J-168	47.51	P1	0.0000	105.95	58	59	58
93	B-025a	47.50	P1	0.0998	105.93	58	59	58
854	J-13	47.80	P8	0.0987	106.01	58	59	58
1365	J-181	47.83	P1	0.0000	105.96	58	59	58
113	B-058a	48.00	P9	0.0555	105.96	58	59	58
165	B-033	48.00	P1	0.0299	105.94	58	59	58
331	B-023	48.00	P1	0.0599	105.92	58	59	58
974	J-52	48.13	P9	0.0971	105.96	58	59	58
851	J-12	48.30	P8	0.0592	106.01	58	58	58
1288	J-155	48.35	P10	0.0697	106.06	58	58	58
253	S-040	48.35	P8	0.0494	106.01	58	58	58
954	J-46	48.50	P2	0.1421	105.89	57	58	57
1189	J-116	48.50	P2	0.1421	105.89	57	58	57
341	B-003	48.50	P4	0.0955	105.73	57	58	57
228	B-004	48.50	P4	0.0239	105.73	57	58	57
226	B-007	48.50	P4	0.1194	105.72	57	58	57
237	S-054	48.80	P8	0.0987	106.01	57	58	57
104	B-064a	48.75	P9	0.2081	105.94	57	58	57
251	S-030	48.85	P8	0.1093	106.01	57	58	57
91	B-023b	48.82	P1	0.1497	105.92	57	58	57
212	B-022	49.00	P1	0.0399	105.91	57	58	57
220	B-013	49.00	P3	0.1422	105.78	57	58	57
229	B-010	49.00	P4	0.0239	105.73	57	58	57
1384	J-188	49.50	P1	0.0398	106.06	56	57	56
184	B-056	49.50	P9	0.1110	106.00	56	57	56
235	S-041	49.60	P8	0.0592	106.01	56	57	56
157	B-020	49.50	P2	0.1776	105.87	56	57	56
252	S-031	49.65	P8	0.0794	106.01	56	57	56
1507	J-221	49.54	<None>	0.0366	105.72	56	57	56
243	S-044	50.00	P8	0.0995	106.05	56	57	56
258	S-029	50.00	P8	0.2078	106.02	56	57	56
255	S-032	50.00	P8	0.0694	106.01	56	57	56
1026	J-68	50.00	P9	0.0971	106.00	56	57	56
167	B-034	50.00	P1	0.0399	105.94	56	57	56
1055	J-77	50.00	P1	0.0499	105.92	56	57	56
92	B-023a	50.00	P1	0.0499	105.92	56	57	56
882	J-23	50.01	P1	0.0599	105.92	56	57	56
885	J-24	50.25	P1	0.0399	105.92	56	56	56
102	S-027a	50.50	P8	0.1679	106.04	55	56	55
343	B-058	50.50	P9	0.1248	105.98	55	56	55
259	S-043	50.60	P8	0.2090	106.08	55	56	55
163	B-027	50.50	P1	0.0399	105.92	55	56	55
254	S-033	50.60	P8	0.0298	106.01	55	56	55
218	B-019	50.50	P2	0.2526	105.83	55	56	55
1556	J-229	50.77	<None>	0.0000	106.01	55	56	55
94	B-030a	50.69	P1	0.0898	105.92	55	56	55
227	B-006	50.50	P4	0.1075	105.72	55	56	55

225	B-011	50.50	P4	0.1313	105.72	55	56	55
1053	J-76	50.75	P1	0.0499	105.92	55	56	55
1550	J-227	50.95	<None>	0.0000	106.05	55	56	55
261	S-028	51.00	P8	0.0893	106.04	55	56	55
981	J-54	51.00	P9	0.1665	105.94	55	56	55
1315	J-165	51.00	P1	0.0499	105.94	55	56	55
866	J-17	51.00	P1	0.0399	105.92	55	56	55
864	J-16	51.00	P1	0.0299	105.92	55	56	55
162	B-005	51.00	P4	0.0239	105.72	55	56	55
889	J-25	51.25	P1	0.0399	105.91	55	56	55
257	S-045	51.50	P8	0.1394	106.01	54	55	54
245	S-047	51.50	P8	0.0995	106.01	54	55	54
215	B-021	51.50	P2	0.1246	105.91	54	55	54
282	S-027	51.80	P8	0.0694	106.05	54	55	54
1553	J-228	51.80	<None>	0.0000	106.01	54	55	54
189	B-063	52.00	P9	0.3884	105.95	54	55	54
211	B-030	52.00	P1	0.1297	105.92	54	55	54
265	S-036	52.20	P8	0.1086	106.08	54	55	54
1285	J-153	52.30	P10	0.1294	106.05	54	54	54
249	S-013	52.30	P8	0.1580	106.04	54	54	54
210	B-028	52.25	P1	0.0599	105.92	54	55	54
273	S-026	52.65	P8	0.0496	106.08	53	54	53
221	B-015	52.50	P3	0.1541	105.77	53	54	53
118	S-044a	52.85	P8	0.0896	106.05	53	54	53
1304	J-161	53.00	P11	0.0000	106.15	53	54	53
186	B-055	53.00	P1	0.0795	106.01	53	54	53
170	B-035	53.00	P1	0.0798	105.95	53	54	53
1059	J-78	53.03	P1	0.0699	105.92	53	54	53
81	B-016a	53.00	P2	0.2371	105.80	53	54	53
230	B-009	53.00	P4	0.2388	105.73	53	54	53
247	S-002	53.50	P9	0.1607	106.13	52	53	52
260	S-025	53.50	P8	0.1886	106.09	52	53	52
256	S-046	53.50	P8	0.0995	106.01	52	53	52
1419	J-197	53.50	P2	0.0789	105.91	52	53	52
899	J-28	53.75	P3	0.1541	105.78	52	53	52
342	B-043	54.00	P12	0.0060	106.00	52	53	52
1268	J-149	54.10	P8	0.1086	106.08	52	53	52
1401	J-192	54.06	P12	0.0300	106.00	52	53	52
208	B-029	54.00	P1	0.0599	105.92	52	53	52
1462	J-213	54.50	<None>	0.0000	106.05	51	52	51
209	B-031	54.50	P1	0.0898	105.92	51	52	51
1265	J-148	54.67	P8	0.0790	106.08	51	52	51
993	J-58	54.55	P1	0.0100	105.95	51	52	51
950	J-45	54.50	P2	0.2526	105.83	51	52	51
1147	P14 - Low Point	33.00	P5	0.1564	84.22	51	52	48
203	B-044	55.00	P1	0.0360	106.02	51	52	51
936	J-40	54.81	P2	0.0987	105.83	51	52	51
266	S-035	55.10	P10	0.1580	106.09	51	52	51
333	B-041	55.00	P1	0.0200	105.96	51	52	51
325	B-016	55.00	P2	0.1263	105.83	51	52	51
1299	J-159	55.00	P3	0.1067	105.78	51	52	51
130	L-1085	33.63	P5	0.0696	84.27	51	51	47
105	B-021a	55.25	P2	0.2210	105.88	51	52	51
870	J-19	55.30	P1	0.1098	105.92	50	51	50
185	B-057	55.50	P9	0.1387	106.00	50	51	50
991	J-57	55.50	P1	0.0100	105.96	50	51	50
849	J-11	55.75	P10	0.0000	106.10	50	51	50
267	S-024	55.80	P10	0.0893	106.11	50	51	50
1547	P-14 DemandB	33.89	<None>	1.4359	84.13	50	51	47
96	B-028a	55.69	P1	0.0898	105.92	50	51	50
269	S-034	55.90	P10	0.1086	106.10	50	51	50
1029	J-69	55.89	P9	0.1387	106.00	50	51	50
248	S-042	56.00	P10	0.1294	106.11	50	51	50
206	B-037	56.00	P1	0.0399	105.94	50	51	50
100	B-036a	56.00	P1	0.1597	105.93	50	51	50
205	B-032	56.00	P1	0.2296	105.92	50	51	50
262	S-023	56.35	P10	0.0496	106.11	50	50	50
271	S-022	56.50	P10	0.0495	106.12	49	50	49
1033	J-70	56.49	P12	0.0420	106.03	49	50	49
309	L-019	34.60	P5	0.0398	84.13	49	50	46
1008	J-62	56.50	P12	0.0779	106.03	49	50	49
83	B-055a	56.50	P9	0.1548	106.02	49	50	49
95	B-031b	56.50	P1	0.0998	105.92	49	50	49
97	B-031a	56.76	P1	0.1497	105.92	49	50	49
301	L-028	35.00	P6	0.0100	84.08	49	50	45
274	S-012	57.00	P8	0.0889	106.06	49	50	49
127	L-027a	35.10	P5	0.0000	84.13	49	50	45
1355	J-178	35.00	P7	0.0473	84.00	49	50	45
192	B-064	57.00	P9	0.3052	105.95	49	50	49
1441	J-205	35.25	<None>	0.0000	84.13	49	49	45
1084	J-85	35.85	P3	0.1194	84.55	49	49	47
232	I-SPORT&RECPARK	36.00	P5	0.0000	84.61	48	49	45
321	L-010	36.00	P4	0.0358	84.60	48	49	47
110	L-008a	36.00	P4	0.0836	84.58	48	49	47
198	B-046	57.50	P12	0.0300	106.04	48	49	48
263	S-021	57.60	P10	0.1487	106.13	48	49	48
1015	J-65	57.50	P9	0.0971	106.02	48	49	48
1271	J-150	57.74	P8	0.1382	106.09	48	49	48

	J-66	57.75	P9	0.0832	106.02	48	49	48
842	J-8	57.90	P10	0.0597	106.13	48	49	48
199	B-047	58.00	P12	0.0360	106.03	48	49	48
213	B-036	58.00	P1	0.0998	105.93	48	49	48
845	J-9	58.25	P10	0.0697	106.13	48	49	48
943	J-43	58.00	P2	0.0711	105.85	48	49	48
288	L-041	37.00	P3	0.0596	84.67	48	48	45
86	L-ECO-008	36.95	P4	0.1075	84.53	47	48	46
311	L-018	37.00	P5	0.0398	84.56	47	48	45
88	L-ECO-006	37.00	P4	0.0478	84.53	47	48	46
188	B-059	58.50	P9	0.2358	106.01	47	48	47
940	J-42	58.37	P2	0.1540	105.84	47	48	47
144	L-1000	36.60	P7	0.0236	84.01	47	48	43
111	B-018a	58.50	P2	0.0947	105.87	47	48	47
217	B-018	58.50	P2	0.2052	105.85	47	48	47
308	L-027	37.00	P5	0.0000	84.32	47	48	43
1022	J-67	58.75	P9	0.0694	106.05	47	48	47
1446	J-207	36.80	<None>	0.0000	84.00	47	48	43
877	J-21	58.75	P1	0.0998	105.93	47	48	47
112	B-055b	59.00	P9	0.0971	106.03	47	48	47
338	L-021	37.10	P6	0.0498	84.03	47	48	43
1092	J-87	38.10	P4	0.2269	84.59	46	47	45
917	J-34	38.25	P3	0.0474	84.65	46	47	45
345	L-013	38.30	P5	0.0298	84.64	46	47	44
1277	J-151	59.90	P8	0.1679	106.10	46	47	46
314	L-040	38.50	P3	0.0830	84.64	46	46	44
114	S-004a	60.00	P10	0.1891	106.14	46	47	46
268	S-011	60.00	P10	0.0790	106.09	46	47	46
947	J-44	59.79	P2	0.1105	105.84	46	47	46
1102	J-90	38.56	P4	0.0478	84.60	46	46	45
200	B-048	60.00	P12	0.0697	106.04	46	47	46
300	L-031	38.10	P6	0.0399	84.06	46	47	42
932	J-39	38.72	P3	0.1185	84.64	46	46	44
918	J-35	38.75	P3	0.1185	84.65	46	46	44
219	B-017	60.00	P2	0.0947	105.84	46	47	46
109	L-035a	39.00	P3	0.0711	84.65	46	46	44
910	J-32	39.00	P3	0.1304	84.65	46	46	44
1457	J-211	60.46	<None>	0.0000	106.09	46	46	46
124	L-1050	38.50	P6	0.0698	84.06	45	46	41
284	L-ECO-004	39.50	P4	0.0716	84.53	45	45	44
1076	J-83	39.50	P3	0.1075	84.52	45	45	44
172	B-042	61.00	P1	0.0619	105.96	45	46	45
233	P14 Demand A	39.75	P5	1.4725	84.61	45	45	41
1521	J-223	39.77	<None>	0.0000	84.57	45	45	40
313	L-039	40.00	P3	0.0948	84.64	45	45	43
272	S-010	61.50	P10	0.0889	106.10	44	45	44
290	L-014	40.00	P6	0.0099	84.57	44	45	40
1372	J-184	40.00	P1	0.0000	84.56	44	45	40
90	L-ECO-005	40.00	P4	0.0716	84.55	44	45	43
1080	J-84	40.00	P3	0.0955	84.52	44	45	43
285	L-ECO-003	40.00	P3	0.0716	84.52	44	45	43
1143	J-101	40.10	P5	0.0398	84.61	44	45	41
98	B-038a	61.50	P1	0.1198	105.92	44	45	44
1371	J-Primary School	40.25	P1	0.0000	84.56	44	45	40
107	T-1010	40.33	P1	0.0000	84.56	44	44	40
153	B-077	62.00	P12	0.0555	106.12	44	45	44
320	L-008	40.50	P4	0.0955	84.62	44	44	43
1168	J-109	39.90	P7	0.0827	83.99	44	45	40
307	L-015	40.50	P1	0.0000	84.52	44	44	39
149	I-SCHOOL	40.50	P6	0.0000	84.52	44	44	39
327	L-SCHOOL	40.50	P6	0.2592	84.52	44	44	39
191	B-061	62.00	P9	0.1942	105.99	44	45	44
1120	J-95	40.76	P4	0.0714	84.69	44	44	42
299	L-022	40.10	P6	0.0797	84.03	44	45	40
207	B-038	62.00	P1	0.0699	105.92	44	45	44
1398	J-191	62.00	P2	0.1105	105.86	44	45	44
1067	J-80	40.80	P3	0.1313	84.53	44	44	42
328	L-016	40.80	P1	0.0000	84.52	44	44	38
294	L-045	41.00	P3	0.1070	84.70	44	44	42
323	L-007	40.90	P4	0.1313	84.59	44	44	42
1117	J-94	41.00	P4	0.1194	84.67	44	44	42
1113	J-93	41.00	P4	0.0358	84.67	44	44	42
275	S-018	62.50	P11	0.1381	106.16	44	44	44
193	B-051	62.50	P12	0.1248	106.09	43	44	43
985	J-55	62.50	P12	0.0933	106.06	43	44	43
87	L-ECO_007	41.00	P4	0.1552	84.53	43	44	42
1064	J-79	41.17	P4	0.1075	84.62	43	44	42
873	J-20	62.50	P1	0.1797	105.92	43	44	43
123	L-1055	40.75	P6	0.0698	84.06	43	44	39
998	J-59	62.75	P1	0.0460	106.02	43	44	43
74	S-115	62.90	P10	0.1090	106.16	43	44	43
1452	J-209	62.90	<None>	0.0000	106.11	43	44	43
1073	J-82	41.32	P3	0.2030	84.52	43	43	42
1164	J-107	40.80	P7	0.1418	83.98	43	44	39
312	L-037	41.50	P3	0.1304	84.64	43	43	41
197	B-050	63.00	P12	0.0379	106.06	43	44	43
1351	J-177	63.25	P12	0.0971	106.18	43	44	43
1070	J-81	41.66	P3	0.1791	84.52	43	43	41

	J-High School	41.75	P6	0.3388	84.52	43	43	37
1466	I-High School	41.75	P6	0.0000	84.52	43	43	37
1165	J-108	41.25	P7	0.0709	83.99	43	43	39
1138	J-100	42.00	P4	0.0833	84.73	43	43	41
89	L-010a	42.00	P4	0.1194	84.58	42	43	41
286	L-ECO-002	42.00	P4	0.1075	84.52	42	43	41
289	L-001	42.50	P3	0.0716	84.81	42	42	41
1087	J-86	42.25	P3	0.2149	84.53	42	43	41
76	S-105	63.90	P10	0.1593	106.16	42	43	42
75	S-110	63.90	P10	0.1095	106.16	42	43	42
346	L-002	42.50	P3	0.0358	84.74	42	42	41
280	S-009	63.90	P10	0.0987	106.13	42	43	42
1163	J-106	41.75	P7	0.0318	83.98	42	43	38
838	J-7	64.00	P11	0.1381	106.16	42	43	42
101	S-008a	64.10	P10	0.1382	106.11	42	43	42
99	B-039a	64.00	P1	0.1797	105.92	42	43	42
1540	J-225	42.65	<None>	0.0000	84.49	42	42	37
1162	J-105	42.25	P7	0.1418	83.98	42	42	38
292	L-034	43.00	P3	0.1659	84.71	42	42	40
324	L-006	43.00	P4	0.1552	84.61	42	42	40
1099	J-89	43.00	P4	0.1910	84.60	41	42	40
1005	J-61	64.43	P12	0.1079	106.03	41	42	41
196	B-052	64.50	P12	0.0694	106.09	41	42	41
723	J-1	43.00	P5	0.0000	84.56	41	42	37
287	L-ECO-001	43.00	P4	0.1552	84.54	41	42	40
270	S-008	64.60	P10	0.0099	106.13	41	42	41
106	T-1005	43.15	P5	0.0000	84.56	41	42	37
326	L-017	43.25	P6	0.0199	84.48	41	42	36
242	S-019	64.95	P11	0.0000	106.15	41	42	41
830	J-4	65.00	P11	0.0000	106.17	41	42	41
317	L-012	43.50	P4	0.1313	84.59	41	41	40
146	B-081	65.00	P12	0.1199	106.05	41	42	41
296	L-044	43.00	P7	0.1063	83.97	41	42	37
1328	J-AFL maintenance shed	44.00	P1	0.0000	84.56	40	41	36
1559	J-230	44.00	<None>	0.0000	84.48	40	41	35
1425	J-199	65.70	P12	0.1665	106.09	40	41	40
137	J-273	43.60	P7	0.1063	83.97	40	41	36
136	J-274	43.60	P7	0.0473	83.96	40	41	36
1001	J-60	65.75	P12	0.0779	106.03	40	41	40
181	B-078	43.80	P6	0.0797	84.05	40	41	36
807	J-2	43.75	P7	0.0354	83.98	40	41	36
279	S-007	66.00	P10	0.0296	106.14	40	41	40
79	L-040a	44.50	P3	0.0474	84.64	40	40	38
832	J-5	66.10	P11	0.0000	106.17	40	41	40
202	B-045	66.00	P1	0.0180	106.02	40	41	40
187	B-060	66.00	P9	0.1110	106.00	40	41	40
139	L-1020	44.00	P7	0.1300	83.99	40	41	36
344	B-067	44.50	P6	0.0199	84.47	40	40	35
148	B-079	66.00	P1	0.0399	105.96	40	41	40
84	B-045a	66.13	P12	0.0720	106.02	40	41	40
925	J-37	44.75	P3	0.0711	84.64	40	40	38
134	J-276	44.10	P7	0.0945	83.96	40	41	36
1153	J-103	44.25	P6	0.1794	84.05	40	40	36
305	L-033	44.30	P6	0.0598	84.05	40	40	36
138	J-272	44.25	P7	0.1063	83.97	40	40	36
319	L-003	45.00	P4	0.0955	84.71	40	40	38
1173	J-110	44.30	P7	0.0354	83.98	40	40	36
234	S-052	66.50	P11	0.1381	106.17	40	40	40
276	S-017	66.50	P11	0.1381	106.17	40	40	40
340	L-005	45.00	P4	0.1313	84.61	40	40	38
201	B-049	66.50	P12	0.0060	106.03	39	40	39
71	823-A	67.50	P1	0.0060	107.00	39	39	39
1258	J-146	66.80	P10	0.0896	106.20	39	40	39
142	L-1010	44.60	P7	0.0709	83.98	39	40	35
1159	J-104	44.60	P7	0.0945	83.98	39	40	35
135	J-275	44.60	P7	0.0709	83.96	39	40	35
1261	J-147	66.90	P10	0.0496	106.18	39	40	39
173	B-074	44.80	P6	0.0399	84.05	39	40	35
913	J-33	45.41	P3	0.1067	84.64	39	39	38
140	L-1015	44.75	P7	0.0354	83.98	39	40	35
73	S-120	67.00	P11	0.1381	106.17	39	40	39
336	L-042	44.80	P7	0.0827	83.97	39	40	35
318	L-009	45.50	P4	0.1910	84.61	39	39	38
293	L-SPORT&RECCLUBHOUSE	45.50	P6	0.0840	84.56	39	39	34
1498	I-Sport and Rec Irrigation Node	45.50	P6	0.0000	84.56	39	39	34
295	L-024	45.00	P6	0.0399	84.03	39	40	35
141	J-269	45.00	P7	0.0591	84.01	39	40	35
1037	J-71	67.10	P12	0.0180	106.04	39	40	39
204	B-039	67.00	P1	0.0499	105.92	39	40	39
861	J-15	45.10	P7	0.0591	83.98	39	40	35
143	L-1005	45.10	P7	0.0236	83.98	39	40	35
1127	J-97	45.80	P4	0.1433	84.66	39	39	37
826	J-2	67.50	P11	0.0000	106.21	39	39	39
133	J-277	45.25	P7	0.0709	83.96	39	39	35
103	L-035	45.94	P3	0.2608	84.65	39	39	37
182	B-068	45.80	P6	0.1097	84.46	39	39	33
1096	J-88	46.00	P4	0.1672	84.60	39	39	37
859	J-14	45.40	P7	0.1181	83.96	38	39	35

	823-B	67.50	P1	0.0000	105.96	38	39	38
156	S-NEIGHBOURHOODCENTRE	68.50	P12	0.2812	106.79	38	38	38
283	S-006	67.90	P10	0.0497	106.18	38	39	38
174	L-047	46.00	P6	0.0797	84.05	38	39	34
297	L-043	46.00	P7	0.0709	83.96	38	39	34
168	B-040	68.00	P1	0.0200	105.92	38	39	38
1347	J-176	68.33	P10	0.0299	106.19	38	38	38
334	S-001	68.50	P9	0.0377	106.30	38	38	38
1041	J-72	68.25	P12	0.1019	106.04	38	39	38
816	A-01	68.50	P11	0.1381	106.21	38	38	38
80	L-034a	47.00	P3	0.1541	84.65	38	38	36
316	L-036	47.00	P3	0.0948	84.64	38	38	36
929	J-38	47.00	P3	0.1778	84.64	38	38	36
922	J-36	47.06	P3	0.1422	84.64	37	38	36
1360	J-179	46.60	P6	0.0498	84.06	37	38	33
1048	J-74	69.00	P9	0.0000	106.33	37	38	37
77	S-100	69.00	P9	0.0139	106.31	37	38	37
989	J-56	69.00	P9	0.0000	106.31	37	38	37
115	B-071a	46.80	P6	0.1097	84.05	37	38	33
264	S-004	69.10	P10	0.0299	106.26	37	38	37
1408	J-194	69.26	P9	0.0555	106.31	37	38	37
1343	J-175	69.22	P10	0.0199	106.26	37	38	37
1293	J-157	69.00	P12	0.0300	106.03	37	38	37
1106	J-91	47.68	P4	0.0478	84.62	37	37	35
277	S-020	69.25	P11	0.1381	106.17	37	38	37
175	B-076	47.25	P6	0.0299	84.07	37	38	33
1131	J-98	48.00	P4	0.0358	84.69	37	37	35
1110	J-92	48.10	P4	0.0597	84.64	36	37	35
335	S-005	69.75	P10	0.0896	106.24	36	37	36
160	S-053	69.75	P10	0.0000	106.23	36	37	36
834	J-6	70.00	P11	0.1381	106.19	36	37	36
194	B-054	70.00	P12	0.0660	106.04	36	37	36
1297	J-158	70.00	P12	0.0240	106.04	36	37	36
85	B-049a	70.00	P12	0.0420	106.04	36	37	36
1302	J-160	70.00	P12	0.0360	106.04	36	37	36
1335	J-173	70.60	P12	0.0000	106.56	36	36	36
315	L-038	48.75	P3	0.0119	84.64	36	36	34
176	B-073	48.25	P6	0.1894	84.06	36	37	32
330	S-055	71.00	P11	0.0000	106.79	36	36	36
1292	J-156	70.25	P12	0.0360	106.03	36	37	36
828	J-3	70.50	P11	0.0000	106.21	36	36	36
1422	J-198	70.60	P11	0.1381	106.22	36	36	36
278	S-014	70.80	P11	0.0000	106.22	35	36	35
281	S-016	71.00	P11	0.1381	106.21	35	36	35
322	L-004	49.50	P4	0.0597	84.66	35	35	34
822	J-1	71.10	P11	0.1381	106.22	35	36	35
180	B-070	49.10	P6	0.0698	84.05	35	36	31
117	B-068a	49.50	P8	0.1396	84.36	35	35	30
1124	J-96	50.00	P4	0.0597	84.68	35	35	33
224	B-008	50.00	P4	0.0955	84.66	35	35	33
906	J-31	50.00	P3	0.2014	84.64	35	35	33
337	B-075	49.50	P6	0.0797	84.12	35	35	30
178	B-072	49.50	P6	0.0797	84.05	34	35	30
1044	J-73	71.62	P12	0.1019	106.04	34	35	34
1560	J-231	49.75	<None>	0.0000	84.09	34	35	30
179	B-069	50.00	P8	0.0598	84.26	34	35	29
145	B-082	72.00	P9	0.1803	106.13	34	35	34
1311	J-164	50.35	P8	0.0997	84.23	34	34	29
1051	J-75	72.50	P11	0.1381	106.22	34	34	34
116	B-068b	50.75	P8	0.0498	84.30	33	34	29
329	S-015	72.75	P11	0.1381	106.22	33	34	33
195	B-053	72.60	P12	0.0300	106.06	33	34	33
1339	J-174	72.81	P12	0.1132	106.07	33	34	33
147	B-080	73.00	P12	0.0277	106.08	33	34	33
69	1227-A	79.23	P9	0.0000	106.84	28	28	28
68	1227-B	79.23	P9	0.0000	106.83	28	28	28

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Scenario: Fire Fighting Flow
Current Time Step: 15.500 h
FlexTable: Junction Table

ID	Label	Elevation (m)	Zone	Demand (L/s)	Hydraulic Grade (m)	Pressure (m H2O)	Pressure (Maximum) (m H2O)	Pressure (Minimum) (m H2O)
223	B-012	43.50	P3	0.0538	106.26	63	63	62
1416	J-196	43.81	P3	0.0628	106.26	62	63	62
1405	P9 Low Point	44.00	P9	0.0000	106.36	62	63	62
895	J-27	44.50	P3	0.0897	106.26	62	62	61
291	B-066	45.00	P9	0.0105	106.36	61	62	61
971	J-51	45.00	P1	0.0000	106.36	61	62	61
964	J-49	45.00	P1	0.0000	106.36	61	62	61
332	B-026	45.00	P1	0.0152	106.36	61	62	61
960	J-48	45.00	P2	0.0076	106.36	61	62	61
957	J-47	45.00	P2	0.0358	106.36	61	62	61
893	J-26	45.50	P3	0.1524	106.26	61	61	60
967	J-50	45.75	P2	0.0076	106.36	60	61	60
246	S-003	46.00	P9	0.0525	106.48	60	61	60
978	J-53	46.00	P9	0.1155	106.37	60	61	60
214	B-025	46.00	P1	0.0758	106.35	60	61	60
222	B-014	46.00	P3	0.1440	106.26	60	61	60
231	B-002	46.25	P4	0.0634	106.24	60	60	59
190	B-062	46.50	P9	0.0735	106.37	60	60	59
82	B-014a	46.50	P3	0.0628	106.26	60	60	59
108	T-1001	46.69	P1	0.0227	106.36	60	60	59
1395	P8 Low Point	46.75	P8	0.0747	106.41	60	60	59
1319	J-166	46.94	P1	0.0000	106.37	59	60	59
1364	J-180	47.00	P1	0.0000	106.37	59	60	59
183	B-065	47.00	P9	0.0945	106.36	59	60	59
250	S-038	47.10	P8	0.0075	106.41	59	60	59
1187	J-115	47.00	P2	0.0477	106.30	59	60	59
238	S-037	47.25	P8	0.0747	106.41	59	60	59
1332	J-AFL Club House	47.26	P1	0.0000	106.37	59	59	59
216	B-024	47.25	P2	0.1246	106.35	59	59	59
236	S-039	47.35	P8	0.0747	106.41	59	59	59
1281	J-152	47.50	P8	0.0896	106.41	59	59	58
1324	J-168	47.51	P1	0.0000	106.37	59	59	58
93	B-025a	47.50	P1	0.0758	106.35	59	59	58
854	J-13	47.80	P8	0.0747	106.41	58	59	58
1365	J-181	47.83	P1	0.0000	106.37	58	59	58
113	B-058a	48.00	P9	0.0420	106.37	58	59	58
165	B-033	48.00	P1	0.0227	106.36	58	59	58
331	B-023	48.00	P1	0.0455	106.35	58	59	58
974	J-52	48.13	P9	0.0735	106.37	58	59	58
851	J-12	48.30	P8	0.0448	106.41	58	58	58
1288	J-155	48.35	P10	0.0528	106.44	58	58	58
253	S-040	48.35	P8	0.0373	106.41	58	58	58
954	J-46	48.50	P2	0.1074	106.33	58	58	57
1189	J-116	48.50	P2	0.1074	106.33	58	58	57
341	B-003	48.50	P4	0.0724	106.24	58	58	57
228	B-004	48.50	P4	0.0181	106.24	58	58	57
226	B-007	48.50	P4	0.0905	106.23	58	58	57
104	B-064a	48.75	P9	0.1576	106.36	57	58	57
237	S-054	48.80	P8	0.0747	106.41	57	58	57
251	S-030	48.85	P8	0.0829	106.41	57	58	57
91	B-023b	48.82	P1	0.1136	106.35	57	58	57
212	B-022	49.00	P1	0.0303	106.35	57	58	57
220	B-013	49.00	P3	0.1076	106.27	57	58	57
229	B-010	49.00	P4	0.0181	106.24	57	58	57
1384	J-188	49.50	P1	0.0302	106.44	57	57	56
184	B-056	49.50	P9	0.0840	106.40	57	57	56
157	B-020	49.50	P2	0.1343	106.32	57	57	56
235	S-041	49.60	P8	0.0448	106.41	57	57	56
252	S-031	49.65	P8	0.0602	106.41	57	57	56
1507	J-221	49.54	<None>	0.0270	106.23	57	57	56
243	S-044	50.00	P8	0.0755	106.43	56	57	56
258	S-029	50.00	P8	0.1573	106.41	56	57	56
255	S-032	50.00	P8	0.0526	106.41	56	57	56
1026	J-68	50.00	P9	0.0735	106.40	56	57	56
167	B-034	50.00	P1	0.0303	106.36	56	57	56
1055	J-77	50.00	P1	0.0379	106.35	56	57	56
92	B-023a	50.00	P1	0.0379	106.35	56	57	56
882	J-23	50.01	P1	0.0455	106.35	56	57	56
885	J-24	50.25	P1	0.0303	106.35	56	56	56
102	S-027a	50.50	P8	0.1270	106.42	56	56	55
343	B-058	50.50	P9	0.0945	106.39	56	56	55
163	B-027	50.50	P1	0.0303	106.35	56	56	55
259	S-043	50.60	P8	0.1585	106.45	56	56	55
254	S-033	50.60	P8	0.0226	106.41	56	56	55
218	B-019	50.50	P2	0.1910	106.30	56	56	55
227	B-006	50.50	P4	0.0815	106.23	56	56	55
225	B-011	50.50	P4	0.0996	106.23	56	56	55
94	B-030a	50.69	P1	0.0682	106.35	56	56	55

1556	J-229	50.77	<None>	0.0000	106.41	55	56	55
1053	J-76	50.75	P1	0.0379	106.35	55	56	55
1550	J-227	50.95	<None>	0.0000	106.43	55	56	55
261	S-028	51.00	P8	0.0677	106.42	55	56	55
981	J-54	51.00	P9	0.1260	106.37	55	56	55
1315	J-165	51.00	P1	0.0379	106.36	55	56	55
866	J-17	51.00	P1	0.0303	106.35	55	56	55
864	J-16	51.00	P1	0.0227	106.35	55	56	55
162	B-005	51.00	P4	0.0181	106.23	55	56	55
889	J-25	51.25	P1	0.0303	106.35	55	56	55
257	S-045	51.50	P8	0.1057	106.41	55	55	54
245	S-047	51.50	P8	0.0755	106.41	55	55	54
215	B-021	51.50	P2	0.0943	106.35	55	55	54
282	S-027	51.80	P8	0.0526	106.43	54	55	54
1553	J-228	51.80	<None>	0.0000	106.41	54	55	54
189	B-063	52.00	P9	0.2941	106.37	54	55	54
211	B-030	52.00	P1	0.0985	106.35	54	55	54
265	S-036	52.20	P8	0.0822	106.45	54	55	54
1285	J-153	52.30	P10	0.0981	106.43	54	54	54
249	S-013	52.30	P8	0.1195	106.42	54	54	54
210	B-028	52.25	P1	0.0455	106.35	54	55	54
273	S-026	52.65	P8	0.0376	106.45	54	54	53
221	B-015	52.50	P3	0.1166	106.26	54	54	53
118	S-044a	52.85	P8	0.0679	106.43	53	54	53
1304	J-161	53.00	P11	0.0000	106.49	53	54	53
186	B-055	53.00	P1	0.0602	106.40	53	54	53
170	B-035	53.00	P1	0.0606	106.37	53	54	53
1059	J-78	53.03	P1	0.0530	106.35	53	54	53
81	B-016a	53.00	P2	0.1793	106.28	53	54	53
230	B-009	53.00	P4	0.1811	106.24	53	54	53
247	S-002	53.50	P9	0.1218	106.48	53	53	52
260	S-025	53.50	P8	0.1429	106.45	53	53	52
256	S-046	53.50	P8	0.0755	106.41	53	53	52
1419	J-197	53.50	P2	0.0597	106.35	53	53	52
899	J-28	53.75	P3	0.1166	106.27	52	53	52
342	B-043	54.00	P12	0.0046	106.40	52	53	52
208	B-029	54.00	P1	0.0455	106.35	52	53	52
1268	J-149	54.10	P8	0.0822	106.45	52	53	52
1401	J-192	54.06	P12	0.0228	106.40	52	53	52
1462	J-213	54.50	<None>	0.0000	106.43	52	52	51
209	B-031	54.50	P1	0.0682	106.35	52	52	51
993	J-58	54.55	P1	0.0076	106.37	52	52	51
950	J-45	54.50	P2	0.1910	106.30	52	52	51
1265	J-148	54.67	P8	0.0598	106.45	52	52	51
936	J-40	54.81	P2	0.0746	106.30	51	52	51
203	B-044	55.00	P1	0.0273	106.41	51	52	51
333	B-041	55.00	P1	0.0152	106.37	51	52	51
266	S-035	55.10	P10	0.1195	106.45	51	52	51
325	B-016	55.00	P2	0.0955	106.30	51	52	51
1299	J-159	55.00	P3	0.0807	106.27	51	52	51
105	B-021a	55.25	P2	0.1671	106.33	51	52	51
870	J-19	55.30	P1	0.0833	106.35	51	51	50
185	B-057	55.50	P9	0.1050	106.40	51	51	50
991	J-57	55.50	P1	0.0076	106.37	51	51	50
849	J-11	55.75	P10	0.0000	106.46	51	51	50
96	B-028a	55.69	P1	0.0682	106.35	51	51	50
267	S-024	55.80	P10	0.0676	106.46	51	51	50
269	S-034	55.90	P10	0.0822	106.46	50	51	50
1029	J-69	55.89	P9	0.1050	106.40	50	51	50
248	S-042	56.00	P10	0.0981	106.46	50	51	50
206	B-037	56.00	P1	0.0303	106.36	50	51	50
100	B-036a	56.00	P1	0.1212	106.35	50	51	50
205	B-032	56.00	P1	0.1742	106.35	50	51	50
262	S-023	56.35	P10	0.0376	106.47	50	50	50
271	S-022	56.50	P10	0.0375	106.47	50	50	49
1033	J-70	56.49	P12	0.0319	106.41	50	50	49
1008	J-62	56.50	P12	0.0592	106.42	50	50	49
83	B-055a	56.50	P9	0.1173	106.41	50	50	49
95	B-031b	56.50	P1	0.0758	106.35	50	50	49
97	B-031a	56.76	P1	0.1136	106.35	49	50	49
274	S-012	57.00	P8	0.0672	106.43	49	50	49
192	B-064	57.00	P9	0.2311	106.37	49	50	49
198	B-046	57.50	P12	0.0228	106.42	49	49	48
1015	J-65	57.50	P9	0.0735	106.41	49	49	48
263	S-021	57.60	P10	0.1126	106.48	49	49	48
1271	J-150	57.74	P8	0.1046	106.45	49	49	48
1019	J-66	57.75	P9	0.0630	106.41	49	49	48
842	J-8	57.90	P10	0.0453	106.47	48	49	48
199	B-047	58.00	P12	0.0273	106.42	48	49	48
213	B-036	58.00	P1	0.0758	106.36	48	49	48
943	J-43	58.00	P2	0.0537	106.31	48	49	48
845	J-9	58.25	P10	0.0528	106.47	48	49	48
1084	J-85	35.85	P3	0.0905	84.03	48	49	47
321	L-010	36.00	P4	0.0272	84.07	48	49	47
110	L-008a	36.00	P4	0.0634	84.05	48	49	47
940	J-42	58.37	P2	0.1165	106.30	48	48	47
188	B-059	58.50	P9	0.1786	106.41	48	48	47
111	B-018a	58.50	P2	0.0716	106.32	48	48	47

1022	B-018	58.50	P2	0.1552	106.31	48	48	47
877	J-67	58.75	P9	0.0525	106.43	48	48	47
232	J-21	58.75	P1	0.0758	106.35	47	48	47
112	I-SPORT&RECPARK	36.00	P5	0.0000	83.59	47	49	45
86	B-055b	59.00	P9	0.0735	106.41	47	48	47
88	L-ECO-008	36.95	P4	0.0815	84.02	47	48	46
288	L-ECO-006	37.00	P4	0.0362	84.02	47	48	46
1277	L-041	37.00	P3	0.0452	83.87	47	48	45
947	J-151	59.90	P8	0.1270	106.46	46	47	46
114	J-44	59.79	P2	0.0836	106.30	46	47	46
268	S-004a	60.00	P10	0.1434	106.48	46	47	46
200	S-011	60.00	P10	0.0598	106.45	46	47	46
219	B-048	60.00	P12	0.0529	106.42	46	47	46
1457	B-017	60.00	P2	0.0716	106.30	46	47	46
1092	J-211	60.46	<None>	0.0000	106.45	46	46	46
917	J-87	38.10	P4	0.1720	84.06	46	47	45
314	J-34	38.25	P3	0.0359	84.05	46	47	45
1102	L-040	38.50	P3	0.0628	84.05	45	46	44
345	J-90	38.56	P4	0.0362	84.07	45	46	45
172	L-013	38.30	P5	0.0226	83.71	45	47	44
932	B-042	61.00	P1	0.0470	106.37	45	46	45
918	J-39	38.72	P3	0.0897	84.05	45	46	44
301	J-35	38.75	P3	0.0897	84.05	45	46	44
1355	L-028	35.00	P6	0.0076	80.14	45	50	45
109	J-178	35.00	P7	0.0357	80.13	45	50	45
910	L-035a	39.00	P3	0.0538	84.06	45	46	44
127	J-32	39.00	P3	0.0986	84.06	45	46	44
311	L-027a	35.10	P5	0.0000	80.12	45	50	45
272	L-018	37.00	P5	0.0302	81.99	45	48	45
98	S-010	61.50	P10	0.0672	106.46	45	45	44
308	B-038a	61.50	P1	0.0909	106.35	45	45	44
284	L-027	37.00	P5	0.0000	81.56	44	48	43
1076	L-ECO-004	39.50	P4	0.0543	84.02	44	45	44
153	J-83	39.50	P3	0.0815	84.02	44	45	44
191	B-077	62.00	P12	0.0420	106.47	44	45	44
207	B-061	62.00	P9	0.1471	106.39	44	45	44
1398	B-038	62.00	P1	0.0530	106.35	44	45	44
313	J-191	62.00	P2	0.0836	106.31	44	45	44
90	L-039	40.00	P3	0.0717	84.05	44	45	43
1080	L-ECO-005	40.00	P4	0.0543	84.03	44	45	43
285	J-84	40.00	P3	0.0724	84.02	44	45	43
275	L-ECO-003	40.00	P3	0.0543	84.02	44	45	43
1441	S-018	62.50	P11	0.1044	106.49	44	44	44
193	J-205	35.25	<None>	0.0000	79.21	44	49	44
985	B-051	62.50	P12	0.0945	106.45	44	44	43
233	J-55	62.50	P12	0.0707	106.43	44	44	43
873	P14 Demand A	39.75	P5	1.1117	83.61	44	45	41
998	J-20	62.50	P1	0.1364	106.35	44	44	43
1521	J-59	62.75	P1	0.0349	106.41	44	44	43
74	J-223	39.77	<None>	0.0000	83.36	43	45	40
320	S-115	62.90	P10	0.0826	106.49	43	44	43
1452	L-008	40.50	P4	0.0724	84.07	43	44	43
144	J-209	62.90	<None>	0.0000	106.47	43	44	43
1143	L-1000	36.60	P7	0.0179	80.14	43	48	43
197	J-101	40.10	P5	0.0302	83.59	43	45	41
290	B-050	63.00	P12	0.0287	106.43	43	44	43
1372	L-014	40.00	P6	0.0075	83.37	43	45	40
1446	J-184	40.00	P1	0.0000	83.35	43	45	40
1120	J-207	36.80	<None>	0.0000	80.13	43	48	43
1351	J-95	40.76	P4	0.0541	84.05	43	44	42
1067	J-177	63.25	P12	0.0735	106.51	43	44	43
323	J-80	40.80	P3	0.0996	84.02	43	44	42
1371	L-007	40.90	P4	0.0996	84.06	43	44	42
1117	J-Primary School	40.25	P1	0.0000	83.35	43	45	40
1113	J-94	41.00	P4	0.0905	84.08	43	44	42
294	J-93	41.00	P4	0.0272	84.08	43	44	42
338	L-045	41.00	P3	0.0811	84.06	43	44	42
87	L-021	37.10	P6	0.0378	80.14	43	48	43
107	L-ECO_007	41.00	P4	0.1177	84.02	43	44	42
1064	T-1010	40.33	P1	0.0000	83.35	43	44	40
1073	J-79	41.17	P4	0.0815	84.07	43	44	42
307	J-82	41.32	P3	0.1539	84.02	43	43	42
149	L-015	40.50	P1	0.0000	83.19	43	44	39
327	I-SCHOOL	40.50	P6	0.0000	83.16	43	44	39
76	L-SCHOOL	40.50	P6	0.3984	83.16	43	44	39
75	S-105	63.90	P10	0.1208	106.49	42	43	42
280	S-110	63.90	P10	0.0830	106.49	42	43	42
312	S-009	63.90	P10	0.0747	106.48	42	43	42
838	L-037	41.50	P3	0.0986	84.05	42	43	41
309	J-7	64.00	P11	0.1044	106.49	42	43	42
101	L-019	34.60	P5	0.0302	77.07	42	50	42
1070	S-008a	64.10	P10	0.1046	106.47	42	43	42
328	J-81	41.66	P3	0.1358	84.02	42	43	41
99	L-016	40.80	P1	0.0000	83.16	42	44	38
1138	B-039a	64.00	P1	0.1364	106.35	42	43	42
300	J-100	42.00	P4	0.0631	84.21	42	43	41
89	L-031	38.10	P6	0.0303	80.18	42	47	42
222	L-010a	42.00	P4	0.0905	84.06	42	43	41

	L-ECO-002	42.00	P4	0.0815	84.02	42	43	41
1005	J-61	64.43	P12	0.0820	106.41	42	42	41
196	B-052	64.50	P12	0.0525	106.45	42	42	41
289	L-001	42.50	P3	0.0543	84.42	42	42	41
270	S-008	64.60	P10	0.0075	106.48	42	42	41
130	L-1085	33.63	P5	0.0528	75.46	42	51	42
1087	J-86	42.25	P3	0.1630	84.02	42	43	41
346	L-002	42.50	P3	0.0272	84.24	42	42	41
1547	P-14 DemandB	33.89	<None>	1.0848	75.62	42	51	42
124	L-1050	38.50	P6	0.0529	80.18	42	46	41
242	S-019	64.95	P11	0.0000	106.49	41	42	41
830	J-4	65.00	P11	0.0000	106.50	41	42	41
146	B-081	65.00	P12	0.0911	106.43	41	42	41
1369	J-High School	41.75	P6	0.5212	83.16	41	43	37
1466	I-High School	41.75	P6	0.0000	83.16	41	43	37
1147	P14 - Low Point	33.00	P5	15.1179	74.27	41	52	41
292	L-034	43.00	P3	0.1255	84.17	41	42	40
1099	J-89	43.00	P4	0.1449	84.07	41	42	40
324	L-006	43.00	P4	0.1177	84.07	41	42	40
287	L-ECO-001	43.00	P4	0.1177	84.03	41	42	40
1425	J-199	65.70	P12	0.1260	106.45	41	41	40
1001	J-60	65.75	P12	0.0592	106.42	41	41	40
317	L-012	43.50	P4	0.0996	84.06	40	41	40
279	S-007	66.00	P10	0.0224	106.48	40	41	40
202	B-045	66.00	P1	0.0137	106.41	40	41	40
832	J-5	66.10	P11	0.0000	106.50	40	41	40
187	B-060	66.00	P9	0.0840	106.40	40	41	40
1540	J-225	42.65	<None>	0.0000	83.05	40	42	37
148	B-079	66.00	P1	0.0303	106.37	40	41	40
723	J-1	43.00	P5	0.0000	83.35	40	42	37
84	B-045a	66.13	P12	0.0546	106.41	40	41	40
1168	J-109	39.90	P7	0.0625	80.13	40	45	40
106	T-1005	43.15	P5	0.0000	83.35	40	42	37
299	L-022	40.10	P6	0.0605	80.17	40	45	40
234	S-052	66.50	P11	0.1044	106.50	40	40	40
276	S-017	66.50	P11	0.1044	106.50	40	40	40
201	B-049	66.50	P12	0.0046	106.42	40	40	39
326	L-017	43.25	P6	0.0151	83.01	40	42	36
1258	J-146	66.80	P10	0.0679	106.52	40	40	39
1261	J-147	66.90	P10	0.0376	106.50	40	40	39
79	L-040a	44.50	P3	0.0359	84.05	39	40	38
73	S-120	67.00	P11	0.1044	106.50	39	40	39
71	823-A	67.50	P1	0.0046	107.00	39	39	39
123	L-1055	40.75	P6	0.0529	80.20	39	44	39
204	B-039	67.00	P1	0.0379	106.35	39	40	39
1328	J-AFL maintenance shed	44.00	P1	0.0000	83.35	39	41	36
1164	J-107	40.80	P7	0.1071	80.13	39	44	39
1037	J-71	67.10	P12	0.0137	106.42	39	40	39
925	J-37	44.75	P3	0.0538	84.05	39	40	38
319	L-003	45.00	P4	0.0724	84.19	39	40	38
340	L-005	45.00	P4	0.0996	84.07	39	40	38
826	J-2	67.50	P11	0.0000	106.53	39	39	39
1559	J-230	44.00	<None>	0.0000	82.99	39	41	35
1165	J-108	41.25	P7	0.0536	80.13	39	43	39
70	823-B	67.50	P1	0.0000	106.37	39	39	38
913	J-33	45.41	P3	0.0807	84.05	39	39	38
283	S-006	67.90	P10	0.0377	106.51	39	39	38
318	L-009	45.50	P4	0.1449	84.08	38	39	38
344	B-067	44.50	P6	0.0151	82.97	38	40	35
1163	J-106	41.75	P7	0.0241	80.13	38	43	38
156	S-NEIGHBOURHOODCENTRE	68.50	P12	0.4636	106.87	38	38	38
168	B-040	68.00	P1	0.0152	106.35	38	39	38
1127	J-97	45.80	P4	0.1086	84.10	38	39	37
1347	J-176	68.33	P10	0.0226	106.51	38	38	38
1041	J-72	68.25	P12	0.0774	106.42	38	39	38
103	L-035	45.94	P3	0.1973	84.06	38	39	37
334	S-001	68.50	P9	0.0286	106.58	38	38	38
1096	J-88	46.00	P4	0.1268	84.07	38	39	37
816	A-01	68.50	P11	0.1044	106.53	38	38	38
1162	J-105	42.25	P7	0.1071	80.13	38	42	38
293	L-SPORT&RECCLUBHOUSE	45.50	P6	0.1320	83.35	38	39	34
1498	I-Sport and Rec Irrigation Node	45.50	P6	0.0000	83.35	38	39	34
1048	J-74	69.00	P9	0.0000	106.59	37	38	37
77	S-100	69.00	P9	0.0105	106.59	37	38	37
989	J-56	69.00	P9	0.0000	106.58	37	38	37
264	S-004	69.10	P10	0.0226	106.55	37	38	37
1293	J-157	69.00	P12	0.0228	106.42	37	38	37
1343	J-175	69.22	P10	0.0151	106.55	37	38	37
1408	J-194	69.26	P9	0.0420	106.58	37	38	37
277	S-020	69.25	P11	0.1044	106.50	37	38	37
296	L-044	43.00	P7	0.0804	80.13	37	42	37
182	B-068	45.80	P6	0.0832	82.92	37	39	33
80	L-034a	47.00	P3	0.1166	84.07	37	38	36
316	L-036	47.00	P3	0.0717	84.05	37	38	36
929	J-38	47.00	P3	0.1345	84.05	37	38	36
922	J-36	47.06	P3	0.1076	84.05	37	38	36
335	S-005	69.75	P10	0.0679	106.54	37	37	36
160	S-053	69.75	P10	0.0000	106.54	37	37	36

	B-078	43.80	P6	0.0605	80.33	36	41	36
137	J-273	43.60	P7	0.0804	80.12	36	41	36
136	J-274	43.60	P7	0.0357	80.12	36	41	36
834	J-6	70.00	P11	0.1044	106.51	36	37	36
194	B-054	70.00	P12	0.0501	106.42	36	37	36
1297	J-158	70.00	P12	0.0182	106.42	36	37	36
85	B-049a	70.00	P12	0.0319	106.42	36	37	36
1302	J-160	70.00	P12	0.0273	106.42	36	37	36
1106	J-91	47.68	P4	0.0362	84.08	36	37	35
807	J-2	43.75	P7	0.0268	80.13	36	41	36
1292	J-156	70.25	P12	0.0273	106.42	36	37	36
1131	J-98	48.00	P4	0.0272	84.16	36	37	35
139	L-1020	44.00	P7	0.0982	80.15	36	41	36
1335	J-173	70.60	P12	0.0000	106.73	36	36	36
828	J-3	70.50	P11	0.0000	106.53	36	36	36
134	J-276	44.10	P7	0.0714	80.12	36	41	36
1110	J-92	48.10	P4	0.0453	84.09	36	37	35
1153	J-103	44.25	P6	0.1361	80.20	36	40	36
1422	J-198	70.60	P11	0.1044	106.53	36	36	36
305	L-033	44.30	P6	0.0454	80.22	36	40	36
138	J-272	44.25	P7	0.0804	80.12	36	40	36
330	S-055	71.00	P11	0.0000	106.87	36	36	36
1173	J-110	44.30	P7	0.0268	80.13	36	40	36
278	S-014	70.80	P11	0.0000	106.53	36	36	35
1159	J-104	44.60	P7	0.0714	80.13	35	40	35
142	L-1010	44.60	P7	0.0536	80.13	35	40	35
281	S-016	71.00	P11	0.1044	106.53	35	36	35
135	J-275	44.60	P7	0.0536	80.12	35	40	35
822	J-1	71.10	P11	0.1044	106.53	35	36	35
173	B-074	44.80	P6	0.0303	80.20	35	40	35
140	L-1015	44.75	P7	0.0268	80.13	35	40	35
336	L-042	44.80	P7	0.0625	80.13	35	40	35
315	L-038	48.75	P3	0.0090	84.05	35	36	34
295	L-024	45.00	P6	0.0303	80.21	35	40	35
141	J-269	45.00	P7	0.0446	80.18	35	40	35
861	J-15	45.10	P7	0.0446	80.13	35	40	35
143	L-1005	45.10	P7	0.0179	80.13	35	40	35
133	J-277	45.25	P7	0.0536	80.12	35	39	35
1044	J-73	71.62	P12	0.0774	106.42	35	35	34
859	J-14	45.40	P7	0.0893	80.12	35	39	35
322	L-004	49.50	P4	0.0453	84.12	35	35	34
145	B-082	72.00	P9	0.1366	106.48	34	35	34
174	L-047	46.00	P6	0.0605	80.29	34	39	34
1124	J-96	50.00	P4	0.0453	84.14	34	35	33
224	B-008	50.00	P4	0.0724	84.13	34	35	33
297	L-043	46.00	P7	0.0536	80.12	34	39	34
906	J-31	50.00	P3	0.1524	84.05	34	35	33
1051	J-75	72.50	P11	0.1044	106.53	34	34	34
195	B-053	72.60	P12	0.0228	106.43	34	34	33
1360	J-179	46.60	P6	0.0378	80.40	34	38	33
329	S-015	72.75	P11	0.1044	106.53	34	34	33
1339	J-174	72.81	P12	0.0858	106.44	34	34	33
115	B-071a	46.80	P6	0.0832	80.27	33	38	33
147	B-080	73.00	P12	0.0210	106.45	33	34	33
175	B-076	47.25	P6	0.0227	80.45	33	38	33
117	B-068a	49.50	P8	0.1059	82.38	33	35	30
176	B-073	48.25	P6	0.1437	80.40	32	37	32
179	B-069	50.00	P8	0.0454	81.80	32	35	29
337	B-075	49.50	P6	0.0605	80.85	31	35	30
116	B-068b	50.75	P8	0.0378	82.03	31	34	29
1311	J-164	50.35	P8	0.0756	81.62	31	34	29
180	B-070	49.10	P6	0.0529	80.33	31	36	31
1560	J-231	49.75	<None>	0.0000	80.66	31	35	30
178	B-072	49.50	P6	0.0605	80.33	31	35	30
69	1227-A	79.23	P9	0.0000	106.90	28	28	28
68	1227-B	79.23	P9	0.0000	106.89	28	28	28

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Scenario: Ultimate
Current Time Step: 0.000 h
FlexTable: Pipe Table

ID	Label	Length (Scaled) (m)	Start Node	Stop Node	Diameter (mm)	Material	Hazen- Williams C	Flow (L/s)	Flow (Maximum) (L/s)	Pressure (Start) (m H2O)	Velocity (Maximum) (m/s)	Headloss (m)	Velocity (m/s)	Headloss Gradient (m/km)
664	P121LLZ	130	T-1010	L-015	150.0	mPVC	100.0	11.3854	11.4505	40	0.65	0.71	0.64	5.466
568	P015LLZ	25	L-015	L-016	150.0	mPVC	100.0	11.3854	11.4505	39	0.65	0.13	0.64	5.466
661	P123LLZ	4	T-1005	L-SPORT&RECCLUBHOUSE	150.0	mPVC	100.0	10.8730	10.8880	37	0.62	0.02	0.62	5.019
1499	P-202	6	L-SPORT&RECCLUBHOUSE	I-Sport and Rec Irrigation Node	150.0	Ductile Iron	100.0	10.8000	10.8000	34	0.61	0.03	0.61	4.957
1530	P042LLZ(2)(2)	54	PRV-9	L-014	200.0	mPVC	110.0	23.0504	23.2022	41	0.74	0.23	0.73	4.166
1529	P042LLZ(2)(1)	145	J-101	PRV-9	200.0	mPVC	110.0	23.0504	23.2022	41	0.74	0.61	0.73	4.166
1524	P-211	64	T-1010	L-014	200.0	mPVC	110.0	-22.2584	-1.3431	40	0.71	0.25	0.71	3.905
550	P033LLZ	310	RoundMt	L-001	250.0	mPVC	110.0	39.1229	39.7513	0	0.81	1.16	0.80	3.743
1141	P-74	100	L-001	L-002	250.0	mPVC	110.0	39.1010	39.7260	41	0.81	0.37	0.80	3.739
1123	P-71	64	J-94	J-95	100.0	mPVC	100.0	3.1706	3.1864	42	0.41	0.24	0.40	3.691
1122	P037LLZ(2)	145	J-95	L-041	250.0	mPVC	110.0	36.9986	37.2919	42	0.76	0.49	0.75	3.375
545	P038LLZ	133	L-041	L-013	250.0	mPVC	110.0	36.9805	37.2709	45	0.76	0.45	0.75	3.372
707	P090LLZ	31	L-027a	L-028	100.0	mPVC	100.0	2.9450	3.0620	45	0.39	0.10	0.37	3.220
1139	P028LLZ(1)	24	L-002	J-100	250.0	mPVC	110.0	34.5756	35.0087	41	0.71	0.07	0.70	2.977
480	P041LLZ	231	L-013	P14 Demand A	250.0	mPVC	110.0	34.2978	34.5227	44	0.70	0.68	0.70	2.933
1505	P-205	53	P14 Demand A	J-101	250.0	mPVC	110.0	33.8626	34.0162	42	0.69	0.15	0.69	2.865
1121	P037LLZ(1)	7	L-045	J-95	250.0	mPVC	110.0	33.8496	34.1665	42	0.70	0.02	0.69	2.862
1140	P028LLZ(2)	126	J-100	L-045	250.0	mPVC	110.0	32.7643	33.1444	41	0.68	0.34	0.67	2.695
569	P014LLZ	67	L-013	L-018	100.0	mPVC	100.0	2.6736	2.7376	44	0.35	0.18	0.34	2.692
714	P083LLZ	257	L-018	L-1085	100.0	mPVC	100.0	2.6615	2.7236	45	0.35	0.69	0.34	2.669
1148	P084LLZ(1)	47	L-1085	P14 - Low Point	100.0	mPVC	100.0	2.6402	2.6991	47	0.34	0.12	0.34	2.630
1370	P-167	39	J-High School	L-016	150.0	mPVC	100.0	-7.5370	-0.2894	37	0.43	0.10	0.43	2.546
1548	P084LLZ(2)(1)	106	P14 - Low Point	P-14 DemandB	100.0	mPVC	100.0	2.5945	2.6457	48	0.34	0.27	0.33	2.546
1467	P-189	13	J-High School	I-High School	150.0	mPVC	100.0	7.2400	7.2400	37	0.41	0.03	0.41	2.363
1549	P084LLZ(2)(2)	84	P-14 DemandB	L-019	100.0	mPVC	100.0	2.1682	2.1831	47	0.28	0.15	0.28	1.826
1443	P-77(2)	124	J-205	L-019	100.0	mPVC	100.0	-2.1561	0.0281	45	0.28	0.22	0.27	1.807
1442	P-77(1)	53	L-027a	J-205	100.0	mPVC	100.0	-2.1561	0.0281	45	0.28	0.09	0.27	1.807
1481	P-196	42	J-231	B-076	100.0	mPVC	100.0	-1.9560	1.2482	30	0.25	0.06	0.25	1.509
1480	P-195	38	B-075	J-231	100.0	mPVC	100.0	-1.9560	1.2482	30	0.25	0.06	0.25	1.509
582	P001LLZ	28	L-016	L-SCHOOL	150.0	mPVC	100.0	5.6273	5.6708	38	0.32	0.04	0.32	1.482
1312	P047LLZ(1)	151	B-075	J-164	100.0	mPVC	100.0	1.9316	1.9585	30	0.25	0.22	0.25	1.474
1313	P047LLZ(2)	33	J-164	B-069	100.0	mPVC	100.0	1.9011	1.9296	29	0.25	0.05	0.24	1.431
684	P111LLZ	42	B-069	B-068b	100.0	mPVC	100.0	1.8827	1.9123	30	0.24	0.06	0.24	1.406
683	P112LLZ	64	B-068b	B-068a	100.0	mPVC	100.0	1.8675	1.8979	29	0.24	0.09	0.24	1.385
385	P366LLZIRRIG	15	L-SCHOOL	I-SCHOOL	150.0	mPVC	100.0	5.4000	5.4000	39	0.31	0.02	0.31	1.373
685	P110LLZ	93	B-068a	B-068	100.0	mPVC	100.0	1.8247	1.8575	30	0.24	0.12	0.23	1.327
1142	P-75	42	L-034	J-100	100.0	mPVC	100.0	-1.7861	-0.3971	40	0.23	0.05	0.23	1.275
611	P136LLZ	150	L-034	L-034a	100.0	mPVC	100.0	1.7363	1.7773	40	0.23	0.18	0.22	1.210
1118	P006LLZ(2)(2)(1)	3	J-93	J-94	100.0	mPVC	100.0	1.6709	1.6977	42	0.22	0.00	0.21	1.125
1373	P122LLZ(1)	294	T-1005	J-184	200.0	mPVC	110.0	-10.8730	-0.0710	37	0.35	0.30	0.35	1.036
1374	P122LLZ(2)	19	J-184	T-1010	200.0	mPVC	110.0	-10.8730	-0.0710	40	0.35	0.02	0.35	1.036
1178	P-88	64	L-028	L-021	100.0	mPVC	100.0	1.5922	1.6682	45	0.21	0.07	0.20	1.031
548	P035LLZ	50	L-002	L-003	150.0	mPVC	100.0	4.5145	4.7047	41	0.27	0.05	0.26	0.986
1119	P006LLZ(2)(2)(2)	150	J-94	L-003	100.0	mPVC	100.0	-1.5361	-0.3038	42	0.20	0.14	0.20	0.964
1146	P-76	189	I-SPORT&RECPARK	J-101	200.0	mPVC	120.0	-10.8000	0.0000	45	0.34	0.16	0.34	0.871
561	P022LLZ	79	L-028	L-031	100.0	mPVC	100.0	1.3498	1.3903	45	0.18	0.06	0.17	0.759
1362	P143LLZ(2)	62	J-179	L-047	100.0	mPVC	100.0	-1.2816	0.6498	33	0.16	0.04	0.16	0.690
1361	P143LLZ(1)	25	B-076	J-179	100.0	mPVC	100.0	-1.2663	0.6996	33	0.16	0.02	0.16	0.675
1152	P-79	61	L-033	B-071a	100.0	mPVC	100.0	1.2093	1.2280	36	0.16	0.04	0.15	0.619
1111	P004LLZ(1)(1)	51	L-004	J-92	100.0	mPVC	100.0	1.1682	1.2157	34	0.15	0.03	0.15	0.581
1129	P-70(2)	75	J-97	J-93	100.0	mPVC	100.0	1.1412	1.1464	37	0.15	0.04	0.15	0.556
668	P119LLZ	81	L-035a	L-045	100.0	mPVC	100.0	1.1177	1.1423	44	0.15	0.04	0.14	0.535
610	P137LLZ	64	L-034a	L-035	100.0	mPVC	100.0	1.0797	1.0992	36	0.14	0.03	0.14	0.502
1132	P005LLZ(1)(1)	58	L-003	J-98	150.0	mPVC	100.0	2.9493	3.0886	38	0.17	0.03	0.17	0.448
1133	P005LLZ(1)(2)	54	J-98	J-96	150.0	mPVC	100.0	2.9384	3.0760	35	0.17	0.02	0.17	0.445
1130	P-72	122	J-96	J-97	100.0	mPVC	100.0	0.9658	1.0026	33	0.13	0.05	0.12	0.408
417	P053LLZ	65	L-024	L-047	100.0	mPVC	100.0	0.9574	0.9723	35	0.12	0.03	0.12	0.402
1112	P004LLZ(1)(2)	25	J-92	J-91	100.0	mPVC	100.0	0.9309	1.5136	35	0.19	0.01	0.12	0.381
374	P058LLZ	38	L-1000	L-021	100.0	mPVC	100.0	-0.8822	-0.4051	43	0.15	0.01	0.11	0.345
911	P118LLZ(1)	3	L-035a	J-32	100.0	mPVC	100.0	-0.8571	0.6261	44	0.11	0.00	0.11	0.328
682	P113LLZ	99	B-072	B-071a	100.0	mPVC	100.0	-0.8271	0.1010	31	0.11	0.03	0.11	0.306
1526	P-210(1)(1)	140	PRV-8	PRV-8	100.0	mPVC	100.0	-0.7890	-0.7200	43	0.26	0.04	0.10	0.281
706	P091LLZ	117	L-027	L-027a	100.0	mPVC	100.0	0.7890	2.0602	43	0.26	0.03	0.10	0.281
1527	P-210(1)(2)	7	PRV-8	J-223	100.0	mPVC	100.0	-0.7890	-0.7200	50	0.26	0.00	0.10	0.281

1151	P-78	62	L-031	L-1055	100.0	mPVC	100.0	0.7664	0.7863	42	0.10	0.02	0.10	0.266
419	P051LLZ	102	B-072	B-073	100.0	mPVC	100.0	0.7569	0.7642	31	0.10	0.03	0.10	0.260
697	P100LLZ	88	L-1055	L-033	100.0	mPVC	100.0	0.7450	0.7616	39	0.10	0.02	0.09	0.253
554	P029LLZ	126	L-004	L-009	100.0	mPVC	100.0	0.7388	0.9400	34	0.12	0.03	0.09	0.249
1410	P-43(2)	81	J-194	B-082	100.0	mPVC	100.0	0.7284	2.4020	38	0.31	0.02	0.09	0.242
1108	P004LLZ(2)	39	J-91	L-005	100.0	mPVC	100.0	0.7016	0.7686	36	0.10	0.01	0.09	0.226
418	P052LLZ	55	B-073	B-076	100.0	mPVC	100.0	0.6989	0.7094	32	0.09	0.01	0.09	0.224
560	P023LLZ	111	L-021	L-022	100.0	mPVC	100.0	0.6948	0.7115	43	0.09	0.02	0.09	0.222
1415	P-177	56	J-96	B-008	150.0	mPVC	100.0	1.9544	2.0523	33	0.12	0.01	0.11	0.209
1157	P-81	142	L-022	L-024	100.0	mPVC	100.0	0.6704	0.6833	40	0.09	0.03	0.09	0.208
1414	P-176	32	B-008	L-004	150.0	mPVC	100.0	1.9252	2.0186	33	0.11	0.01	0.11	0.203
1309	P-152	10	J-56	J-74	200.0	mPVC	110.0	-4.3164	-4.0725	38	0.45	0.00	0.14	0.187
1563	P044LLZ(1)	28	B-068	PRV-11	150.0	mPVC	100.0	1.7911	1.8258	34	0.10	0.00	0.10	0.178
1564	P044LLZ(2)	31	PRV-11	B-067	150.0	mPVC	100.0	1.7911	1.8258	34	0.10	0.01	0.10	0.178
1478	P-194	27	J-230	L-017	150.0	mPVC	100.0	1.7850	1.8200	35	0.10	0.00	0.10	0.177
1477	P-193	25	B-067	J-230	150.0	mPVC	100.0	1.7850	1.8200	35	0.10	0.00	0.10	0.177
1542	P002LLZ(2)	43	J-225	L-017	150.0	mPVC	100.0	-1.7789	1.8263	37	0.10	0.01	0.10	0.176
1541	P002LLZ(1)	132	L-016	J-225	150.0	mPVC	100.0	-1.7789	1.8263	38	0.10	0.02	0.10	0.176
909	P-31	240	L-034a	J-31	100.0	mPVC	100.0	0.6103	0.6245	36	0.08	0.04	0.08	0.175
1065	P006LLZ(1)	15	L-008	J-79	100.0	mPVC	100.0	0.5734	0.5962	43	0.15	0.00	0.07	0.156
700	P097LLZ	31	L-031	L-1050	100.0	mPVC	100.0	0.5711	0.5898	42	0.08	0.00	0.07	0.154
596	P341HLZ	29	1227-B	S-055	250.0	mPVC	110.0	6.9637	22.5020	28	0.46	0.00	0.14	0.153
597	P340HLZ	116	TeviotRoadConnection2	1227-A	250.0	mPVC	110.0	6.9637	22.5020	0	0.46	0.02	0.14	0.153
352	PRV-3-B	7	PRV-3	1227-B	250.0	mPVC	110.0	6.9637	22.5020	28	0.46	0.00	0.14	0.153
351	PRV-3-A	6	1227-A	PRV-3	250.0	mPVC	110.0	6.9637	22.5020	28	0.46	0.00	0.14	0.153
912	P118LLZ(2)	181	J-32	L-035	100.0	mPVC	100.0	-0.5505	0.1565	44	0.07	0.03	0.07	0.144
1156	P-80	166	L-1050	J-103	100.0	mPVC	100.0	0.5498	0.5651	42	0.07	0.02	0.07	0.144
1337	P337HLZ(2)(2)	175	J-173	S-055	250.0	mPVC	110.0	-6.7243	-6.3433	36	0.45	0.03	0.14	0.144
1336	P337HLZ(2)(1)	175	J-74	J-173	250.0	mPVC	110.0	-6.7243	-6.3433	38	0.45	0.03	0.14	0.143
1114	P006LLZ(2)(1)	64	J-79	J-93	100.0	mPVC	100.0	0.5407	0.5653	42	0.16	0.01	0.07	0.139
1353	P-49(2)	106	J-177	J-56	200.0	mPVC	110.0	-3.5712	-3.3694	44	0.37	0.01	0.11	0.132
1259	P342HLZ(1)	50	S-004	J-146	100.0	mPVC	100.0	0.5223	1.7288	38	0.22	0.01	0.07	0.131
1352	P-49(1)	52	B-077	J-177	200.0	mPVC	110.0	-3.5419	-3.3417	45	0.37	0.01	0.11	0.130
1447	P-83(1)	45	L-1000	J-207	100.0	mPVC	100.0	0.5095	0.6543	43	0.08	0.01	0.06	0.125
1448	P-83(2)	39	J-207	J-109	100.0	mPVC	100.0	0.5095	0.6543	43	0.08	0.00	0.06	0.125
914	P011LLZ(1)	36	L-036	J-33	100.0	mPVC	100.0	0.5051	0.5096	36	0.06	0.00	0.06	0.123
1154	P144LLZ(1)	90	L-033	J-103	100.0	mPVC	100.0	-0.4826	-0.0152	36	0.06	0.01	0.06	0.113
580	P003LLZ	76	L-005	L-006	100.0	mPVC	100.0	0.4742	0.4903	38	0.06	0.01	0.06	0.109
368	P064LLZ	20	L-1010	L-1015	100.0	mPVC	100.0	0.4694	0.4894	35	0.06	0.00	0.06	0.107
1171	P-85	77	J-109	J-107	100.0	mPVC	100.0	0.4611	0.5396	40	0.07	0.01	0.06	0.104
862	P065LLZ(1)	22	L-1015	J-15	100.0	mPVC	100.0	0.4589	0.4772	35	0.06	0.00	0.06	0.103
576	P007LLZ	61	L-006	L-008	100.0	mPVC	100.0	0.4519	0.4604	40	0.06	0.01	0.06	0.100
551	P032LLZ	125	L-035	L-036	100.0	mPVC	100.0	0.4510	0.4630	37	0.06	0.01	0.06	0.100
1100	P031LLZ(1)(1)	76	L-009	J-89	100.0	mPVC	100.0	0.4432	0.4647	38	0.06	0.01	0.06	0.097
863	P065LLZ(2)	7	J-15	L-1005	100.0	mPVC	100.0	0.4413	0.4567	35	0.06	0.00	0.06	0.096
630	P127LLZ	103	L-010a	L-ECO-005	100.0	mPVC	100.0	0.4316	0.8663	41	0.11	0.01	0.05	0.092
1024	P-52	87	J-67	B-077	150.0	mPVC	100.0	-1.2506	-1.1799	48	0.23	0.01	0.07	0.091
376	P286HLZ	66	B-082	B-080	100.0	mPVC	100.0	0.4171	1.3739	35	0.17	0.01	0.05	0.086
1424	P153HLZ(1)(2)	38	J-198	J-6	100.0	mPVC	100.0	0.4100	1.3640	36	0.17	0.00	0.05	0.083
1104	P125LLZ(2)	93	J-90	L-010a	100.0	mPVC	100.0	0.4081	0.5570	45	0.07	0.01	0.05	0.083
1093	P115LLZ(1)	71	L-007	J-87	100.0	mPVC	100.0	0.3997	0.4082	42	0.05	0.01	0.05	0.080
534	P157HLZ	45	S-027	S-026	100.0	mPVC	100.0	-0.3811	-0.3594	55	0.16	0.00	0.05	0.073
907	P138LLZ(1)	33	L-038	J-31	100.0	mPVC	100.0	-0.3667	-0.0035	34	0.05	0.00	0.05	0.068
1356	P060LLZ(1)(1)	54	L-1000	J-178	100.0	mPVC	100.0	0.3657	0.4887	43	0.06	0.00	0.05	0.068
540	P151HLZ	58	S-006	S-007	100.0	mPVC	100.0	0.3634	1.2064	39	0.15	0.00	0.05	0.067
992	P-44	27	J-57	B-037	150.0	mPVC	100.0	1.0522	3.4675	51	0.20	0.00	0.06	0.067
808	P067LLZ(1)	68	L-1020	J-2	100.0	mPVC	100.0	-0.3556	0.6020	36	0.08	0.00	0.05	0.064
532	P159HLZ	21	S-007	S-008	100.0	mPVC	100.0	0.3545	1.1768	41	0.15	0.00	0.05	0.064
1174	P060LLZ(2)(1)	116	J-108	J-110	100.0	mPVC	100.0	0.3542	0.4025	39	0.05	0.01	0.05	0.064
1049	P337HLZ(1)	25	S-100	J-74	200.0	mPVC	110.0	-2.4079	-2.2708	38	0.25	0.00	0.08	0.064
599	P338HLZ	21	S-001	S-100	200.0	mPVC	110.0	-2.4037	-2.2669	38	0.25	0.00	0.08	0.063
1098	P031LLZ(2)	105	J-88	L-012	100.0	mPVC	100.0	0.3524	0.4474	37	0.06	0.01	0.04	0.063
1357	P060LLZ(1)(2)	108	J-178	J-108	100.0	mPVC	100.0	0.3516	0.4414	45	0.06	0.01	0.04	0.063
1158	P-82	158	B-071a	L-047	100.0	mPVC	100.0	0.3486	0.3602	33	0.05	0.01	0.04	0.062
916	P-32	152	J-32	J-33	100.0	mPVC	100.0	-0.3457	0.3395	44	0.05	0.01	0.04	0.061
1023	P-51	42	B-055b	J-67	100.0	mPVC	100.0	-0.3438	-0.3245	48	0.14	0.00	0.04	0.060
1176	P-87	35	J-110	L-1010	100.0	mPVC	100.0	0.3437	0.3671	36	0.05	0.00	0.04	0.060
583	P148HLZ	81	B-041	B-043	200.0	mPVC	110.0	-2.3178	-2.1866	52	0.24	0.00	0.07	0.059
1161	P-1(2)	59	J-104	J-2	100.0	mPVC	100.0	0.3392	0.3442	35	0.04	0.00	0.04	0.059
390	P277HLZ	62	B-051	B-077	200.0	mPVC	110.0	-2.2745	-2.1460	44	0.24	0.00	0.07	0.057
1260	P342HLZ(2)	77	J-146	S-105	100.0	mPVC	100.0	0.3321	1.0991	40	0.14	0.00	0.04	0.057
919	P117LLZ(1)	113	L-037	J-35	100.0	mPVC	100.0	0.3317	0.3386	42	0.04	0.01	0.04	0.056
659	P300HLZ	63	B-021a	B-018	100.0	mPVC	100.0	0.3313	1.1044	51	0.14	0.00	0.04	0.056
366	P066LLZ	76	J-269	L-1020	100.0	mPVC	100.0	-0.3169	0.7319	35	0.09	0.00	0.04	0.052
439	P249HLZ	107	B-051	B-046	200.0	mPVC	110.0	2.1486	7.0846	44	0.23	0.01	0.07	0.051

	P188HLZ	363	S-001	S-002	100.0	mPVC	100.0	0.3122	1.0340	38	0.13	0.02	0.04	0.050
1094	P115LLZ(2)	67	J-87	L-008a	100.0	mPVC	100.0	0.3055	0.4968	45	0.06	0.00	0.04	0.048
520	P171HLZ	91	S-004	S-001	200.0	mPVC	110.0	-2.0801	-1.9616	38	0.22	0.00	0.07	0.048
1025	P-53	57	J-67	J-66	150.0	mPVC	100.0	0.8858	2.9267	48	0.17	0.00	0.05	0.048
370	P062LLZ	77	L-024	J-269	100.0	mPVC	100.0	-0.2993	0.7910	35	0.10	0.00	0.04	0.047
1349	P149HLZ(2)	102	S-005	J-176	100.0	mPVC	100.0	0.8575	2.8379	37	0.16	0.00	0.05	0.045
1348	P149HLZ(1)	31	J-176	S-006	150.0	mPVC	100.0	0.8484	2.8080	38	0.16	0.00	0.05	0.045
373	P059LLZ	76	L-1005	L-042	100.0	mPVC	100.0	0.2872	0.4214	35	0.05	0.00	0.04	0.043
976	P291HLZ(2)	59	J-52	B-058	100.0	mPVC	100.0	-0.2872	-0.2710	59	0.12	0.00	0.04	0.043
920	P117LLZ(2)	74	J-35	L-035a	100.0	mPVC	100.0	0.2819	0.2917	44	0.05	0.00	0.04	0.042
923	P013LLZ(1)	30	L-038	J-36	100.0	mPVC	100.0	0.2806	0.2955	34	0.04	0.00	0.04	0.042
437	P251HLZ	109	B-064	B-061	100.0	mPVC	100.0	-0.2748	-0.2592	50	0.12	0.00	0.03	0.040
441	P247HLZ	88	B-050	B-052	100.0	mPVC	100.0	-0.2737	-0.2583	44	0.11	0.00	0.03	0.040
660	P299HLZ	88	B-021	B-021a	100.0	mPVC	100.0	0.2739	0.9139	55	0.12	0.00	0.03	0.039
1179	P-89	90	J-107	J-105	100.0	mPVC	100.0	0.2721	0.2862	39	0.04	0.00	0.03	0.039
653	P306HLZ	47	S-008	S-008a	100.0	mPVC	100.0	0.2709	0.8968	42	0.11	0.00	0.03	0.039
1418	P296HLZ(2)	79	J-196	B-002	100.0	mPVC	100.0	0.2675	0.8843	63	0.11	0.00	0.03	0.038
1034	P244HLZ(1)	33	B-046	J-70	200.0	mPVC	110.0	1.7855	5.8939	49	0.19	0.00	0.06	0.037
1340	P282HLZ(1)	37	B-080	J-174	100.0	mPVC	100.0	0.2623	0.8631	34	0.11	0.00	0.03	0.037
963	P-38	64	J-48	B-024	100.0	mPVC	100.0	0.2597	0.8578	62	0.11	0.00	0.03	0.036
512	P179HLZ	65	S-029	S-028	100.0	mPVC	100.0	-0.2582	-0.2435	57	0.11	0.00	0.03	0.036
1427	P285HLZ(2)	129	J-199	B-082	100.0	mPVC	100.0	-0.2569	-0.2424	41	0.11	0.00	0.03	0.035
442	P246HLZ	58	B-048	B-050	100.0	mPVC	100.0	-0.2539	-0.2395	47	0.11	0.00	0.03	0.034
1276	P-137	26	J-11	S-035	100.0	mPVC	100.0	0.2528	0.8374	51	0.11	0.00	0.03	0.034
575	P008LLZ	79	L-012	L-007	100.0	mPVC	100.0	0.2525	0.2531	40	0.03	0.00	0.03	0.034
612	P335HLZ	105	B-016a	B-016	150.0	mPVC	100.0	-0.7303	-0.6886	54	0.14	0.00	0.04	0.034
1403	P244HLZ(2)(2)	2	J-192	B-043	200.0	mPVC	110.0	1.7125	5.6492	53	0.18	0.00	0.05	0.033
958	P275HLZ(1)	202	J-47	B-020	150.0	mPVC	100.0	0.7074	2.3541	62	0.13	0.01	0.04	0.032
571	P012LLZ	80	L-039	L-037	100.0	mPVC	100.0	0.2434	0.2497	43	0.04	0.00	0.03	0.032
502	P189HLZ	85	S-042	S-002	100.0	mPVC	100.0	-0.2425	-0.2287	51	0.10	0.00	0.03	0.032
1402	P244HLZ(2)(1)	80	J-70	J-192	200.0	mPVC	110.0	1.6372	5.4038	50	0.17	0.00	0.05	0.031
553	P030LLZ	227	L-009	L-010	100.0	mPVC	100.0	0.2373	0.2901	38	0.04	0.01	0.03	0.030
1020	P-50(1)	13	J-65	J-66	150.0	mPVC	100.0	-0.6907	-0.6516	49	0.13	0.00	0.04	0.030
1420	P-24(1)	138	B-018a	J-197	100.0	mPVC	100.0	-0.2334	-0.2200	48	0.10	0.00	0.03	0.029
517	P174HLZ	32	S-023	S-022	150.0	mPVC	100.0	-0.6776	-0.6390	50	0.13	0.00	0.04	0.029
1341	P282HLZ(2)	41	J-174	B-053	100.0	mPVC	100.0	0.2279	0.7499	34	0.10	0.00	0.03	0.028
399	P272HLZ	26	S-005	S-053	150.0	mPVC	100.0	0.6578	2.1927	37	0.12	0.00	0.04	0.028
1345	P170HLZ(2)	18	J-175	S-004	200.0	mPVC	110.0	-1.5487	-1.4604	38	0.16	0.00	0.05	0.028
1103	P125LLZ(1)	74	L-010	J-90	100.0	mPVC	100.0	0.2264	0.2543	47	0.03	0.00	0.03	0.028
1344	P170HLZ(1)	79	S-005	J-175	200.0	mPVC	110.0	-1.5426	-1.4547	37	0.16	0.00	0.05	0.028
398	P273HLZ	44	S-053	S-014	150.0	mPVC	100.0	0.6578	2.1927	37	0.12	0.00	0.04	0.028
395	P274HLZ	172	B-016	B-020	150.0	mPVC	100.0	-0.6543	-0.6169	52	0.12	0.00	0.04	0.028
1185	P-92	147	J-104	J-105	100.0	mPVC	100.0	-0.2202	-0.0350	35	0.03	0.00	0.03	0.026
1128	P-70(1)	77	J-92	J-97	100.0	mPVC	100.0	0.2191	0.2293	35	0.09	0.00	0.03	0.026
628	P129LLZ	97	L-ECO-001	L-ECO-005	100.0	mPVC	100.0	-0.2177	-0.1173	40	0.04	0.00	0.03	0.026
836	P153HLZ(2)	75	J-6	S-020	100.0	mPVC	100.0	0.2162	0.7189	37	0.09	0.00	0.03	0.026
677	P292HLZ	227	B-059	B-058a	100.0	mPVC	100.0	0.2158	0.7123	48	0.09	0.01	0.03	0.025
592	P345HLZ	108	S-021	S-115	150.0	mPVC	100.0	-0.6268	-0.5911	49	0.12	0.00	0.04	0.025
1030	P293HLZ(1)	94	B-055b	J-69	100.0	mPVC	100.0	0.2150	0.7097	48	0.09	0.00	0.03	0.025
1109	P-69	76	J-88	J-91	100.0	mPVC	100.0	-0.2148	-0.2039	37	0.09	0.00	0.03	0.025
1385	P195HLZ(1)	81	S-043	J-188	100.0	mPVC	100.0	0.2130	0.7037	56	0.09	0.00	0.03	0.025
1262	P346HLZ(1)	84	S-115	J-147	150.0	mPVC	100.0	-0.6177	-0.5827	44	0.12	0.00	0.03	0.025
449	P239HLZ	63	B-043	B-044	150.0	mPVC	100.0	-0.6071	-0.5726	53	0.11	0.00	0.03	0.024
955	P301HLZ(1)	88	B-024	J-46	100.0	mPVC	100.0	0.2084	0.6956	59	0.09	0.00	0.03	0.024
594	P343HLZ	112	S-105	S-004a	100.0	mPVC	100.0	0.2080	0.6880	43	0.09	0.00	0.03	0.024
1400	P294HLZ(2)(2)	68	J-191	B-018a	100.0	mPVC	100.0	-0.2051	-0.1933	45	0.09	0.00	0.03	0.023
1458	P163HLZ(1)	47	S-010	J-211	100.0	mPVC	100.0	0.2041	0.6755	45	0.09	0.00	0.03	0.023
516	P175HLZ	59	S-028	S-027	100.0	mPVC	100.0	-0.2031	-0.1916	56	0.09	0.00	0.03	0.023
1459	P163HLZ(2)	21	J-211	S-011	100.0	mPVC	100.0	0.2041	0.6755	46	0.09	0.00	0.03	0.023
519	P172HLZ	50	S-022	S-021	150.0	mPVC	100.0	-0.5818	-0.5487	50	0.11	0.00	0.03	0.022
527	P164HLZ	138	S-011	S-012	100.0	mPVC	100.0	0.1992	0.6597	47	0.08	0.00	0.03	0.022
432	P256LLZ	102	B-059	B-061	100.0	mPVC	100.0	0.1970	0.6514	48	0.08	0.00	0.03	0.021
1105	P-68	76	J-89	J-90	100.0	mPVC	100.0	0.1963	0.3504	40	0.04	0.00	0.02	0.021
629	P128LLZ	178	L-ECO-005	L-ECO-004	100.0	mPVC	100.0	0.1920	0.4631	43	0.06	0.00	0.02	0.021
680	P289HLZ	152	S-042	S-043	100.0	mPVC	100.0	0.1898	0.6277	51	0.08	0.00	0.02	0.020
1101	P031LLZ(1)(2)	122	J-89	J-88	100.0	mPVC	100.0	0.1887	0.1891	40	0.02	0.00	0.02	0.020
617	P330HLZ	80	B-055	B-055a	100.0	mPVC	100.0	-0.1879	-0.1773	54	0.08	0.00	0.02	0.020
1038	P326HLZ(1)	24	B-049	J-71	100.0	mPVC	100.0	-0.1881	-0.1773	40	0.08	0.00	0.02	0.020
633	P124LLZ	128	L-005	L-007	100.0	mPVC	100.0	0.1873	0.5149	38	0.07	0.00	0.02	0.020
997	P-46	27	B-041	J-57	250.0	mPVC	110.0	2.2804	7.5311	52	0.15	0.00	0.05	0.019
453	P235HLZ	60	B-037	B-036	150.0	mPVC	100.0	0.5374	1.7726	51	0.10	0.00	0.03	0.019
926	P138LLZ(2)(1)	192	J-31	J-37	100.0	mPVC	100.0	0.1833	0.1884	33	0.02	0.00	0.02	0.019
1386	P195HLZ(2)	67	J-188	S-044	100.0	mPVC	100.0	0.1796	0.5942	57	0.08	0.00	0.02	0.018
1017	P254HLZ(2)	231	J-65	B-058	100.0	mPVC	100.0	0.1773	0.5851	49	0.07	0.00	0.02	0.018
1464	P187HLZ(2)	46	J-213	S-013	100.0	mPVC	100.0	0.1725	0.5709	52	0.07	0.00	0.02	0.017

	P236HLZ(2)	83	J-21	B-037	150.0	mPVC	100.0	-0.5025	-0.4742	48	0.09	0.00	0.03	0.017
518	P173HLZ	30	S-024	S-023	150.0	mPVC	100.0	-0.4977	-0.4694	51	0.09	0.00	0.03	0.017
1009	P243HLZ(1)	35	B-047	J-62	150.0	mPVC	100.0	0.4987	1.6421	49	0.09	0.00	0.03	0.017
1453	P158HLZ(1)	110	S-009	J-209	100.0	mPVC	100.0	0.1720	0.5687	43	0.07	0.00	0.02	0.017
1463	P187HLZ(1)	76	S-012	J-213	100.0	mPVC	100.0	0.1725	0.5709	50	0.07	0.00	0.02	0.017
1399	P294HLZ(2)(1)	91	J-43	J-191	100.0	mPVC	100.0	-0.1720	-0.1622	49	0.07	0.00	0.02	0.017
1454	P158HLZ(2)	88	J-209	S-010	100.0	mPVC	100.0	0.1720	0.5687	44	0.07	0.00	0.02	0.017
905	P-30	116	J-28	B-016a	100.0	mPVC	100.0	-0.1702	-0.1605	53	0.07	0.00	0.02	0.016
1021	P-50(2)	153	J-66	B-060	100.0	mPVC	100.0	0.1700	0.5619	49	0.07	0.00	0.02	0.016
613	P334HLZ	114	B-013	B-016a	150.0	mPVC	100.0	-0.4890	-0.4611	58	0.09	0.00	0.03	0.016
1016	P254HLZ(1)	55	B-059	J-65	150.0	mPVC	100.0	-0.4841	-0.4566	48	0.09	0.00	0.03	0.016
514	P177HLZ	155	S-025	S-024	150.0	mPVC	100.0	-0.4839	-0.4563	53	0.09	0.00	0.03	0.016
679	P290HLZ	75	B-062	B-058a	100.0	mPVC	100.0	-0.1651	-0.1557	60	0.07	0.00	0.02	0.016
850	P-12	82	S-023	J-11	100.0	mPVC	100.0	0.1649	0.5510	50	0.07	0.00	0.02	0.016
1282	P186HLZ(2)(2)(1)	20	J-13	J-152	100.0	mPVC	100.0	-0.1638	-0.1546	59	0.07	0.00	0.02	0.015
1264	P-134	172	J-146	J-147	100.0	mPVC	100.0	0.1628	0.5401	40	0.07	0.00	0.02	0.015
1263	P346HLZ(2)	32	S-006	J-147	150.0	mPVC	100.0	0.4699	1.5519	39	0.09	0.00	0.03	0.015
477	P211HLZ	77	B-002	B-003	100.0	mPVC	100.0	0.1600	0.5293	60	0.07	0.00	0.02	0.015
1423	P153HLZ(1)(1)	13	S-014	J-198	150.0	mPVC	100.0	0.4513	1.5021	36	0.09	0.00	0.03	0.014
1040	P-56	93	J-71	B-081	100.0	mPVC	100.0	-0.1574	-0.1485	40	0.07	0.00	0.02	0.014
654	P305HLZ	97	S-027a	S-027	100.0	mPVC	100.0	-0.1570	-0.1480	56	0.07	0.00	0.02	0.014
924	P013LLZ(2)	126	J-36	L-039	100.0	mPVC	100.0	0.1569	0.1578	36	0.02	0.00	0.02	0.014
446	P242HLZ	41	B-048	B-047	100.0	mPVC	100.0	0.1558	0.5173	47	0.07	0.00	0.02	0.014
461	P227HLZ	62	B-026	B-025	150.0	mPVC	100.0	0.4498	1.4751	62	0.08	0.00	0.03	0.014
1010	P243HLZ(2)	79	J-62	B-044	150.0	mPVC	100.0	0.4497	1.4852	50	0.08	0.00	0.03	0.014
897	P221HLZ(2)	44	J-27	B-013	150.0	mPVC	100.0	-0.4463	-0.4209	62	0.08	0.00	0.03	0.013
837	P-6	112	J-6	S-120	100.0	mPVC	100.0	0.1525	0.5071	37	0.06	0.00	0.02	0.013
946	P-36	63	J-43	J-42	100.0	mPVC	100.0	0.1507	0.5024	49	0.06	0.00	0.02	0.013
672	P116LLZ	224	L-008a	L-008	100.0	mPVC	100.0	0.1507	0.1634	47	0.07	0.00	0.02	0.013
1046	P248HLZ(2)	120	J-73	B-053	100.0	mPVC	100.0	-0.1507	-0.1422	35	0.06	0.00	0.02	0.013
843	P-8	79	S-004a	J-8	100.0	mPVC	100.0	0.1502	0.4989	47	0.06	0.00	0.02	0.013
363	P069LLZ	76	L-042	J-272	100.0	mPVC	100.0	0.1491	0.3436	35	0.04	0.00	0.02	0.013
431	P257LLZ	120	B-058	B-056	100.0	mPVC	100.0	-0.1476	-0.1392	56	0.06	0.00	0.02	0.013
1172	P-86	127	J-107	L-1010	100.0	mPVC	100.0	0.1468	0.1524	39	0.02	0.00	0.02	0.012
1160	P-1(1)	59	L-1005	J-104	100.0	mPVC	100.0	0.1470	0.1509	35	0.02	0.00	0.02	0.012
988	P-42	192	J-55	B-080	100.0	mPVC	100.0	-0.1464	-0.1382	44	0.06	0.00	0.02	0.012
464	P224HLZ	78	B-018	B-017	100.0	mPVC	100.0	0.1390	0.4631	48	0.06	0.00	0.02	0.011
474	P214HLZ	26	B-003	B-004	100.0	mPVC	100.0	0.1401	0.4664	58	0.06	0.00	0.02	0.011
459	P229HLZ	29	B-023	B-022	150.0	mPVC	100.0	0.4018	1.3408	59	0.08	0.00	0.02	0.011
433	P255HLZ	89	B-061	B-060	100.0	mPVC	100.0	-0.1365	-0.1287	45	0.06	0.00	0.02	0.011
1036	P-55	80	B-055a	J-70	100.0	mPVC	100.0	-0.1353	-0.1277	50	0.06	0.00	0.02	0.011
841	P-7	74	S-052	J-7	100.0	mPVC	100.0	0.1328	0.4397	40	0.06	0.00	0.02	0.010
1088	P131LLZ(1)(1)	108	L-ECO-001	J-86	100.0	mPVC	100.0	0.1317	0.4342	40	0.06	0.00	0.02	0.010
1086	P134LLZ(2)	92	J-85	L-ECO-008	100.0	mPVC	100.0	0.1316	0.5952	47	0.08	0.00	0.02	0.010
463	P225HLZ	166	B-019	B-018	100.0	mPVC	100.0	-0.1309	-0.1234	56	0.06	0.00	0.02	0.010
1085	P134LLZ(1)	78	L-008a	J-85	100.0	mPVC	100.0	0.1293	0.9724	47	0.12	0.00	0.02	0.010
915	P011LLZ(2)	88	J-33	L-037	100.0	mPVC	100.0	0.1274	0.1600	38	0.02	0.00	0.02	0.010
402	P270HLZ	33	B-004	B-005	100.0	mPVC	100.0	0.1255	0.4187	58	0.05	0.00	0.02	0.009
986	P284HLZ(1)	75	B-081	J-55	100.0	mPVC	100.0	-0.1264	-0.1193	42	0.05	0.00	0.02	0.009
645	P314HLZ	68	B-036	B-028a	150.0	mPVC	100.0	0.3579	1.1773	49	0.07	0.00	0.02	0.009
956	P301HLZ(2)	155	J-46	B-021a	100.0	mPVC	100.0	0.1234	0.4115	58	0.05	0.00	0.02	0.009
1007	P-47(2)	69	J-61	J-60	100.0	mPVC	100.0	-0.1227	-0.1157	42	0.05	0.00	0.02	0.009
443	P245HLZ	63	B-047	B-046	150.0	mPVC	100.0	-0.3539	-0.3341	49	0.07	0.00	0.02	0.009
1284	P-139	271	J-152	S-027a	100.0	mPVC	100.0	-0.1211	-0.1143	59	0.05	0.00	0.02	0.009
840	P196HLZ(2)	148	J-7	S-019	100.0	mPVC	100.0	0.1209	0.3973	43	0.05	0.00	0.02	0.009
494	P197HLZ	216	S-019	S-009	100.0	mPVC	100.0	0.1209	0.3973	42	0.05	0.00	0.02	0.009
896	P221HLZ(1)	74	B-012	J-27	150.0	mPVC	100.0	-0.3418	-0.3224	63	0.06	0.00	0.02	0.008
515	P176HLZ	48	S-026	S-025	150.0	mPVC	100.0	-0.3396	-0.3202	54	0.06	0.00	0.02	0.008
401	P271HLZ	27	B-005	B-006	100.0	mPVC	100.0	0.1182	0.3948	56	0.05	0.00	0.02	0.008
1280	P-138	185	S-008a	J-151	100.0	mPVC	100.0	0.1159	0.3832	43	0.05	0.00	0.01	0.008
1295	P329HLZ(2)	63	J-157	B-049	100.0	mPVC	100.0	-0.1163	-0.1096	38	0.05	0.00	0.01	0.008
460	P228HLZ	137	B-025	B-023	150.0	mPVC	100.0	0.3340	1.1034	61	0.06	0.00	0.02	0.008
934	P010LLZ(2)	81	J-39	L-039	100.0	mPVC	100.0	0.1149	0.1187	44	0.02	0.00	0.01	0.008
1523	P-210(2)	13	J-223	L-014	200.0	mPVC	110.0	-0.7890	-0.7200	41	0.07	0.00	0.03	0.008
973	P367LLZIRRIG(1)(1)(2)	5	J-51	J-49	150.0	mPVC	100.0	0.3643	1.2038	62	0.07	0.00	0.02	0.008
1006	P-47(1)	83	J-59	J-61	100.0	mPVC	100.0	-0.1144	-0.1080	44	0.05	0.00	0.01	0.008
652	P307HLZ	193	S-008a	S-034	100.0	mPVC	100.0	0.1136	0.3754	43	0.05	0.00	0.01	0.008
556	P027LLZ	119	L-042	L-044	100.0	mPVC	100.0	0.1135	0.1148	35	0.01	0.00	0.01	0.008
1031	P293HLZ(2)	28	J-69	B-057	100.0	mPVC	100.0	0.1145	0.3785	51	0.05	0.00	0.01	0.008
1078	P040LLZ(2)	101	J-83	L-ECO-004	100.0	mPVC	100.0	-0.1130	-0.1077	44	0.04	0.00	0.01	0.008
948	P222HLZ(1)(1)	10	B-017	J-44	100.0	mPVC	100.0	0.1107	0.3684	47	0.05	0.00	0.01	0.008
536	P155HLZ	48	S-020	S-017	100.0	mPVC	100.0	0.1120	0.3720	38	0.05	0.00	0.01	0.008
588	P349HLZ	96	S-120	S-052	100.0	mPVC	100.0	0.1112	0.3690	40	0.05	0.00	0.01	0.007
1273	P165HLZ(2)	99	J-150	S-035	100.0	mPVC	100.0	-0.1112	-0.1048	49	0.05	0.00	0.01	0.007
489	P202HLZ	286	S-037	S-013	100.0	mPVC	100.0	-0.1107	-0.1044	59	0.05	0.00	0.01	0.007

1409	P-9	67	J-8	S-022	100.0	mPVC	100.0	0.1107	0.3695	49	0.05	0.00	0.01	0.007
	P-43(1)	8	J-56	J-194	200.0	mPVC	110.0	0.7452	2.4575	38	0.08	0.00	0.02	0.007
687	P287HLZ	76	S-044	S-044a	100.0	mPVC	100.0	0.1096	0.3652	57	0.05	0.00	0.01	0.007
634	P325HLZ	75	B-023b	B-023a	100.0	mPVC	100.0	0.1083	0.3581	58	0.05	0.00	0.01	0.007
511	P180HLZ	84	S-029	S-045	100.0	mPVC	100.0	0.1089	0.3601	57	0.05	0.00	0.01	0.007
458	P230HLZ	34	B-022	B-021	150.0	mPVC	100.0	0.3100	1.0409	58	0.06	0.00	0.02	0.007
1027	P258HLZ(1)	76	B-056	J-68	100.0	mPVC	100.0	-0.1085	-0.1023	57	0.05	0.00	0.01	0.007
622	P135LLZ	83	L-ECO-008	L-ECO-006	100.0	mPVC	100.0	0.1049	0.3983	46	0.05	0.00	0.01	0.007
927	P138LLZ(2)(2)	8	J-37	L-040a	100.0	mPVC	100.0	0.0991	0.1017	38	0.01	0.00	0.01	0.007
1417	P296HLZ(1)	12	B-012	J-196	150.0	mPVC	100.0	0.2924	0.9673	63	0.05	0.00	0.02	0.006
1367	P-40(2)(2)(2)	65	J-181	J-52	150.0	mPVC	100.0	-0.2918	-0.2754	59	0.05	0.00	0.02	0.006
983	P303HLZ(2)	139	J-54	B-064	100.0	mPVC	100.0	-0.1014	-0.0956	56	0.04	0.00	0.01	0.006
1320	P-40(1)	139	J-166	J-51	150.0	mPVC	100.0	0.2918	0.9603	60	0.05	0.00	0.02	0.006
894	P-25	63	B-014a	J-26	100.0	mPVC	100.0	-0.1004	-0.0947	60	0.04	0.00	0.01	0.006
1334	P-40(2)(1)(2)	54	J-AFL Club House	J-168	150.0	mPVC	100.0	-0.2918	-0.2754	59	0.05	0.00	0.02	0.006
995	P263HLZ(2)	57	J-58	B-035	250.0	mPVC	110.0	1.2221	4.0436	52	0.08	0.00	0.02	0.006
1366	P-40(2)(2)(1)	68	J-168	J-181	150.0	mPVC	100.0	-0.2918	-0.2754	59	0.05	0.00	0.02	0.006
996	P-45	30	J-57	J-58	250.0	mPVC	110.0	1.2252	4.0536	51	0.08	0.00	0.02	0.006
1333	P-40(2)(1)(1)	70	J-166	J-AFL Club House	150.0	mPVC	100.0	-0.2918	-0.2754	60	0.05	0.00	0.02	0.006
616	P331HLZ	111	B-055a	B-055b	100.0	mPVC	100.0	-0.0995	-0.0939	50	0.04	0.00	0.01	0.006
979	P260HLZ(1)	75	B-062	J-53	100.0	mPVC	100.0	0.0998	0.3310	60	0.04	0.00	0.01	0.006
878	P236HLZ(1)	81	B-038	J-21	150.0	mPVC	100.0	-0.2870	-0.2708	45	0.05	0.00	0.02	0.006
1316	P267HLZ(1)	136	B-035	J-165	250.0	mPVC	110.0	1.1976	3.9638	54	0.08	0.00	0.02	0.006
644	P315HLZ	57	B-028a	B-028	150.0	mPVC	100.0	0.2824	0.9340	51	0.05	0.00	0.02	0.006
1317	P267HLZ(2)	18	J-165	B-034	250.0	mPVC	110.0	1.1822	3.9139	56	0.08	0.00	0.02	0.006
405	P268HLZ	69	B-034	B-033	250.0	mPVC	110.0	1.1700	3.8739	57	0.08	0.00	0.02	0.006
942	P222HLZ(2)	160	J-42	B-016	100.0	mPVC	100.0	0.0957	0.3182	48	0.04	0.00	0.01	0.006
1294	P329HLZ(1)	148	B-045a	J-157	100.0	mPVC	100.0	-0.0960	-0.0904	41	0.04	0.00	0.01	0.006
522	P169HLZ	184	S-035	S-036	100.0	mPVC	100.0	0.0943	0.3112	52	0.04	0.00	0.01	0.005
667	P297HLZ	39	B-033	T-1001	250.0	mPVC	110.0	1.1608	3.8440	59	0.08	0.00	0.02	0.005
635	P324HLZ	75	B-025a	B-023b	100.0	mPVC	100.0	0.0936	0.3078	59	0.04	0.00	0.01	0.005
900	P-27	149	J-28	J-26	100.0	mPVC	100.0	0.0920	0.3048	53	0.04	0.00	0.01	0.005
935	P-35	162	J-38	J-39	100.0	mPVC	100.0	0.0905	0.0907	36	0.01	0.00	0.01	0.005
666	P298HLZ	52	T-1001	B-026	250.0	mPVC	110.0	1.0791	3.5706	60	0.07	0.00	0.02	0.005
1421	P-24(2)	43	J-197	J-25	150.0	mPVC	100.0	-0.2570	-0.2422	53	0.05	0.00	0.01	0.005
513	P178HLZ	125	S-025	S-043	100.0	mPVC	100.0	0.0870	0.2850	53	0.04	0.00	0.01	0.005
506	P185HLZ	116	S-030	S-029	100.0	mPVC	100.0	-0.0867	-0.0817	58	0.04	0.00	0.01	0.005
953	P-37	172	J-44	J-45	100.0	mPVC	100.0	0.0866	0.2881	47	0.04	0.00	0.01	0.005
1275	P-136	10	S-034	J-11	100.0	mPVC	100.0	0.0879	0.2864	51	0.04	0.00	0.01	0.005
608	P139LLZ	179	L-040a	L-040	100.0	mPVC	100.0	0.0849	0.0852	39	0.01	0.00	0.01	0.005
360	P072LLZ	63	J-272	J-274	100.0	mPVC	100.0	0.0833	0.2608	36	0.03	0.00	0.01	0.004
574	P009LLZ	75	L-036	L-038	100.0	mPVC	100.0	-0.0825	0.2970	36	0.04	0.00	0.01	0.004
686	P288HLZ	146	S-044a	S-028	100.0	mPVC	100.0	0.0823	0.2756	54	0.04	0.00	0.01	0.004
476	P212HLZ	262	B-002	B-009	100.0	mPVC	100.0	0.0821	0.2714	60	0.03	0.00	0.01	0.004
1376	P-169	46	S-NEIGHBOURHOODCENTRE	S-055	150.0	mPVC	100.0	-0.2394	-0.1900	38	0.03	0.00	0.01	0.004
490	P201HLZ	11	S-038	S-037	100.0	mPVC	100.0	-0.0812	-0.0766	60	0.03	0.00	0.01	0.004
968	P275HLZ(2)(2)(1)	35	J-50	J-48	250.0	mPVC	110.0	0.9843	3.2693	61	0.07	0.00	0.02	0.004
435	P253HLZ	126	B-063	B-064	100.0	mPVC	100.0	-0.0813	-0.0767	55	0.03	0.00	0.01	0.004
930	P-34(1)	75	J-36	J-38	100.0	mPVC	100.0	0.0810	0.1738	36	0.02	0.00	0.01	0.004
531	P160HLZ	37	S-008	S-009	100.0	mPVC	100.0	0.0806	0.2702	42	0.03	0.00	0.01	0.004
1028	P258HLZ(2)	110	J-68	B-055	100.0	mPVC	100.0	-0.0792	-0.0747	57	0.03	0.00	0.01	0.004
1283	P186HLZ(2)(2)(2)	56	J-152	S-038	100.0	mPVC	100.0	-0.0782	-0.0738	59	0.03	0.00	0.01	0.004
1069	P131LLZ(2)	131	J-80	L-ECO_007	100.0	mPVC	100.0	0.0771	0.2317	42	0.03	0.00	0.01	0.004
1003	P241HLZ(2)	166	J-60	B-048	100.0	mPVC	100.0	-0.0768	-0.0724	41	0.03	0.00	0.01	0.004
593	P344HLZ	75	S-105	S-110	100.0	mPVC	100.0	0.0755	0.2518	43	0.03	0.00	0.01	0.004
855	P186HLZ(2)(1)	42	J-12	J-13	100.0	mPVC	100.0	-0.0723	-0.0683	58	0.03	0.00	0.01	0.004
429	P259HLZ	184	B-057	B-056	100.0	mPVC	100.0	0.0726	0.2398	51	0.03	0.00	0.01	0.003
1074	P132LLZ(1)(1)	72	L-ECO_007	J-82	100.0	mPVC	100.0	0.0726	0.2553	42	0.03	0.00	0.01	0.003
823	P152HLZ(1)	25	S-014	J-1	150.0	mPVC	100.0	0.2065	0.6905	36	0.04	0.00	0.01	0.003
535	P156HLZ	207	S-017	S-018	100.0	mPVC	100.0	0.0707	0.2339	40	0.03	0.00	0.01	0.003
643	P316HLZ	74	B-031a	B-031b	150.0	mPVC	100.0	-0.2020	-0.1907	50	0.04	0.00	0.01	0.003
1002	P241HLZ(1)	39	B-049	J-60	100.0	mPVC	100.0	0.0699	0.2341	40	0.03	0.00	0.01	0.003
898	P-26	88	J-26	J-27	100.0	mPVC	100.0	-0.0689	-0.0650	61	0.03	0.00	0.01	0.003
379	P283HLZ	203	B-053	B-081	100.0	mPVC	100.0	0.0680	0.2243	34	0.03	0.00	0.01	0.003
1426	P285HLZ(1)	13	B-052	J-199	150.0	mPVC	100.0	-0.2066	-0.1949	42	0.04	0.00	0.01	0.003
891	P318HLZ(1)(2)	69	J-25	J-23	150.0	mPVC	100.0	-0.1896	-0.1786	55	0.04	0.00	0.01	0.003
881	P-22	137	B-031b	J-21	150.0	mPVC	100.0	-0.1849	-0.1744	50	0.03	0.00	0.01	0.003
931	P-34(2)	71	J-38	J-37	100.0	mPVC	100.0	-0.0628	-0.0028	36	0.01	0.00	0.01	0.003
1045	P248HLZ(1)	76	B-054	J-73	100.0	mPVC	100.0	-0.0619	-0.0584	37	0.03	0.00	0.01	0.003
481	P210HLZ	112	S-052	S-020	100.0	mPVC	100.0	-0.0630	-0.0594	40	0.03	0.00	0.01	0.003
1396	P-13(1)	111	J-13	P8 Low Point	100.0	mPVC	100.0	0.0619	0.2048	59	0.03	0.00	0.01	0.003
1063	P-62	176	B-036a	B-023b	100.0	mPVC	100.0	0.0607	0.2000	51	0.03	0.00	0.01	0.002
933	P010LLZ(1)	62	L-040	J-39	100.0	mPVC	100.0	0.0600	0.0614	45	0.01	0.00	0.01	0.002
631	P126LLZ	95	L-010a	L-012	100.0	mPVC	100.0	-0.0599	-0.0540	41	0.05	0.00	0.01	0.002
1089	P131LLZ(1)(2)	64	J-86	J-80	100.0	mPVC	100.0	0.0601	0.3088	41	0.04	0.00	0.01	0.002

1278	P-54	134	J-68	J-69	100.0	mPVC	100.0	-0.0586	-0.0553	57	0.02	0.00	0.01	0.002
507	P161HLZ(1)	57	S-010	J-151	100.0	mPVC	100.0	-0.0588	-0.0554	45	0.02	0.00	0.01	0.002
1047	P184HLZ	70	S-031	S-030	100.0	mPVC	100.0	-0.0587	-0.0554	57	0.02	0.00	0.01	0.002
961	P-57	146	J-72	J-73	100.0	mPVC	100.0	-0.0574	-0.0541	39	0.02	0.00	0.01	0.002
359	P275HLZ(2)(1)	8	J-47	J-48	250.0	mPVC	110.0	-0.7216	-0.6803	62	0.05	0.00	0.01	0.002
999	P073LLZ	84	J-275	J-273	100.0	mPVC	100.0	-0.0574	-0.0527	35	0.03	0.00	0.01	0.002
523	P240HLZ(1)	164	B-044	J-59	150.0	mPVC	100.0	-0.1685	-0.1588	52	0.03	0.00	0.01	0.002
1301	P168HLZ	80	S-036	S-026	100.0	mPVC	100.0	0.0565	0.1818	55	0.02	0.00	0.01	0.002
982	P-147	58	L-ECO-004	J-80	100.0	mPVC	100.0	0.0571	0.0576	44	0.01	0.00	0.01	0.002
403	P303HLZ(1)	64	B-064a	J-54	100.0	mPVC	100.0	-0.0569	-0.0537	58	0.02	0.00	0.01	0.002
362	P269HLZ	56	B-028	B-027	150.0	mPVC	100.0	0.1644	0.5496	54	0.03	0.00	0.01	0.002
1056	P070LLZ	76	J-273	L-044	100.0	mPVC	100.0	-0.0549	-0.0461	36	0.04	0.00	0.01	0.002
970	P322HLZ(1)	53	B-027	J-77	150.0	mPVC	100.0	0.1521	0.5097	56	0.03	0.00	0.01	0.002
1082	P-39	110	J-50	J-49	200.0	mPVC	110.0	-0.3643	-0.3436	61	0.04	0.00	0.01	0.002
886	P040LLZ(1)(2)	82	J-84	J-83	100.0	mPVC	100.0	-0.0533	-0.0508	43	0.02	0.00	0.01	0.002
884	P323HLZ(1)	34	B-023a	J-24	150.0	mPVC	100.0	0.1513	0.5125	57	0.03	0.00	0.01	0.002
888	P318HLZ(2)	89	J-23	B-030a	150.0	mPVC	100.0	-0.1552	-0.1461	57	0.03	0.00	0.01	0.002
648	P-23	103	J-23	J-24	100.0	mPVC	100.0	-0.0529	-0.0499	57	0.02	0.00	0.01	0.002
651	P311HLZ	62	B-038a	B-038	150.0	mPVC	100.0	-0.1501	-0.1416	45	0.03	0.00	0.01	0.002
1274	P308HLZ	117	B-036	B-036a	150.0	mPVC	100.0	0.1488	0.4955	49	0.03	0.00	0.01	0.002
472	P-135	155	J-150	J-149	100.0	mPVC	100.0	0.0510	0.1669	49	0.02	0.00	0.01	0.002
969	P216HLZ	102	B-006	B-007	100.0	mPVC	100.0	0.0506	0.1703	56	0.02	0.00	0.01	0.002
647	P275HLZ(2)(2)(2)	27	B-026	J-50	250.0	mPVC	110.0	0.6231	2.0755	62	0.04	0.00	0.01	0.002
858	P312HLZ	77	B-031	B-031a	150.0	mPVC	100.0	-0.1440	-0.1358	52	0.03	0.00	0.01	0.002
951	P-14	118	S-054	J-12	100.0	mPVC	100.0	-0.0493	-0.0465	58	0.02	0.00	0.01	0.002
1061	P223HLZ(2)(1)	63	J-40	J-45	100.0	mPVC	100.0	-0.0475	-0.0449	52	0.02	0.00	0.01	0.002
980	P231HLZ(2)	52	J-78	B-029	150.0	mPVC	100.0	-0.1408	-0.1328	54	0.03	0.00	0.01	0.002
627	P260HLZ(2)	89	J-53	B-065	100.0	mPVC	100.0	0.0478	0.1585	61	0.02	0.00	0.01	0.002
825	P130LLZ	259	L-ECO-006	L-ECO-002	100.0	mPVC	100.0	0.0475	0.1717	46	0.02	0.00	0.01	0.002
614	P-1	139	A-01	J-1	100.0	mPVC	100.0	-0.0477	-0.0449	38	0.02	0.00	0.01	0.002
1062	P333HLZ	129	B-014a	B-015	100.0	mPVC	100.0	0.0462	0.1541	60	0.02	0.00	0.01	0.002
421	P-61	81	J-17	J-78	100.0	mPVC	100.0	-0.0453	-0.0427	56	0.02	0.00	0.01	0.001
875	P049LLZ	63	B-070	B-072	100.0	mPVC	100.0	-0.0458	-0.0433	31	0.02	0.00	0.01	0.001
590	P-20	76	J-20	B-038a	150.0	mPVC	100.0	-0.1253	-0.1183	44	0.02	0.00	0.01	0.001
624	P347HLZ	43	S-110	S-115	100.0	mPVC	100.0	0.0420	0.1423	43	0.02	0.00	0.01	0.001
824	P133LLZ	68	L-ECO-006	L-ECO_007	100.0	mPVC	100.0	0.0428	0.1788	46	0.02	0.00	0.01	0.001
450	P152HLZ(2)	88	J-1	S-015	150.0	mPVC	100.0	0.1175	0.3929	36	0.02	0.00	0.01	0.001
1075	P238HLZ	155	B-039	B-038	150.0	mPVC	100.0	-0.1155	-0.1090	40	0.02	0.00	0.01	0.001
1286	P132LLZ(1)(2)	77	J-82	J-81	100.0	mPVC	100.0	0.0376	0.1232	42	0.02	0.00	0.01	0.001
1091	P-140	145	J-153	S-044	100.0	mPVC	100.0	-0.0395	-0.0373	54	0.02	0.00	0.01	0.001
1190	P-66	170	L-ECO-001	J-85	100.0	mPVC	100.0	0.0387	0.0450	40	0.03	0.00	0.01	0.001
1300	P-95	18	J-46	J-116	100.0	mPVC	100.0	0.0425	0.1421	58	0.02	0.00	0.01	0.001
1042	P-146	29	J-159	J-28	100.0	mPVC	100.0	-0.0320	-0.0302	52	0.01	0.00	0.00	0.001
719	P326HLZ(2)(1)	39	J-71	J-72	100.0	mPVC	100.0	-0.0362	-0.0340	40	0.02	0.00	0.00	0.001
952	P078LLZ	59	J-277	J-275	100.0	mPVC	100.0	-0.0363	-0.0329	35	0.02	0.00	0.00	0.001
470	P223HLZ(2)(2)	90	J-45	B-019	100.0	mPVC	100.0	-0.0365	-0.0345	52	0.02	0.00	0.00	0.001
436	P218HLZ	206	B-011	B-006	100.0	mPVC	100.0	-0.0348	-0.0328	56	0.01	0.00	0.00	0.001
541	P252HLZ	125	B-062	B-063	100.0	mPVC	100.0	0.0360	0.1203	60	0.02	0.00	0.00	0.001
499	P150HLZ	135	S-015	S-016	100.0	mPVC	100.0	0.0349	0.1167	34	0.01	0.00	0.00	0.001
508	P192HLZ	136	S-045	S-047	100.0	mPVC	100.0	0.0360	0.1212	55	0.02	0.00	0.00	0.001
860	P183HLZ	33	S-032	S-031	100.0	mPVC	100.0	-0.0346	-0.0327	57	0.01	0.00	0.00	0.001
620	P-15	120	J-14	J-274	100.0	mPVC	100.0	-0.0352	-0.0331	35	0.02	0.00	0.00	0.001
361	P327HLZ	145	B-049a	B-054	100.0	mPVC	100.0	-0.0342	-0.0323	37	0.01	0.00	0.00	0.001
357	P071LLZ	123	J-272	J-273	100.0	mPVC	100.0	0.0342	0.0365	36	0.00	0.00	0.00	0.001
640	P075LLZ	80	J-274	J-276	100.0	mPVC	100.0	0.0340	0.0954	36	0.01	0.00	0.00	0.001
1397	P319HLZ	173	B-030a	B-030	150.0	mPVC	100.0	-0.0958	-0.0902	56	0.02	0.00	0.01	0.001
867	P-13(2)	82	P8 Low Point	S-039	100.0	mPVC	100.0	0.0323	0.1061	60	0.01	0.00	0.00	0.001
455	P-17	24	J-16	J-17	150.0	mPVC	100.0	-0.0962	-0.0907	56	0.02	0.00	0.01	0.001
1054	P233HLZ	74	B-029	B-028	150.0	mPVC	100.0	-0.0997	-0.0941	53	0.02	0.00	0.01	0.001
510	P-59	12	J-17	J-76	150.0	mPVC	100.0	-0.0631	-0.0596	56	0.01	0.00	0.00	0.001
649	P181HLZ	63	S-045	S-046	100.0	mPVC	100.0	0.0304	0.0996	55	0.01	0.00	0.00	0.001
1269	P310HLZ	53	B-039a	B-039	150.0	mPVC	100.0	-0.0940	-0.0887	43	0.02	0.00	0.01	0.001
615	P167HLZ(2)(1)	15	J-148	J-149	100.0	mPVC	100.0	-0.0237	-0.0223	52	0.01	0.00	0.00	0.001
865	P332HLZ	75	B-014	B-014a	100.0	mPVC	100.0	-0.0293	-0.0277	61	0.01	0.00	0.00	0.001
890	P-16	45	B-030a	J-16	150.0	mPVC	100.0	-0.0870	-0.0820	56	0.02	0.00	0.00	0.001
887	P318HLZ(1)(1)	60	B-022	J-25	150.0	mPVC	100.0	0.0796	0.2599	58	0.01	0.00	0.00	0.001
438	P323HLZ(2)	47	J-24	B-023	150.0	mPVC	100.0	0.0862	0.2972	56	0.02	0.00	0.00	0.001
638	P250HLZ	63	B-052	B-051	150.0	mPVC	100.0	-0.0881	-0.0832	42	0.02	0.00	0.00	0.001
1404	P321HLZ	80	B-025a	B-025	150.0	mPVC	100.0	-0.0851	-0.0806	59	0.02	0.00	0.00	0.001
468	P-175	80	J-192	B-055	150.0	mPVC	100.0	-0.0845	-0.0798	53	0.02	0.00	0.00	0.001
1079	P220HLZ	152	B-012	B-014	100.0	mPVC	100.0	0.0281	0.0943	63	0.01	0.00	0.00	0.001
972	P-63	163	J-83	J-82	100.0	mPVC	100.0	0.0269	0.0710	44	0.01	0.00	0.00	0.001
848	P367LLZIRRI(1)(1)(1)	91	T-1001	J-51	150.0	mPVC	100.0	0.0725	0.2435	60	0.01	0.00	0.00	0.001
1095	P-11	18	J-9	J-8	100.0	mPVC	100.0	-0.0213	-0.0201	49	0.01	0.00	0.00	0.001
	P-67	183	L-006	J-87	100.0	mPVC	100.0	-0.0251	0.4529	40	0.06	0.00	0.00	0.001

	P240HLZ(2)	55	J-59	B-045	150.0	mPVC	100.0	-0.0683	-0.0642	44	0.01	0.00	0.00	0.001
1058	P-60	76	J-76	J-77	150.0	mPVC	100.0	-0.0784	-0.0741	56	0.01	0.00	0.00	0.000
839	P196HLZ(1)	38	S-018	J-7	100.0	mPVC	100.0	0.0294	0.0958	44	0.01	0.00	0.00	0.000
809	P067LLZ(2)	76	J-2	L-044	100.0	mPVC	100.0	-0.0269	0.4529	36	0.06	0.00	0.00	0.000
1060	P231HLZ(1)	57	B-030	J-78	150.0	mPVC	100.0	-0.0740	-0.0698	55	0.01	0.00	0.00	0.000
872	P265HLZ(2)	61	J-19	B-032	150.0	mPVC	100.0	0.0743	0.2452	51	0.01	0.00	0.00	0.000
1011	P-48	169	J-61	J-62	100.0	mPVC	100.0	-0.0250	-0.0236	42	0.01	0.00	0.00	0.000
424	P046LLZ	198	B-070	B-078	100.0	mPVC	100.0	0.0244	0.0797	31	0.01	0.00	0.00	0.000
619	P328HLZ	47	B-045	B-045a	150.0	mPVC	100.0	-0.0738	-0.0694	41	0.01	0.00	0.00	0.000
1170	P-84	70	J-109	J-108	100.0	mPVC	100.0	0.0237	0.0320	40	0.00	0.00	0.00	0.000
451	P237HLZ	238	B-030	B-032	150.0	mPVC	100.0	-0.0616	-0.0580	55	0.01	0.00	0.00	0.000
501	P190HLZ	186	S-002	S-003	100.0	mPVC	100.0	0.0210	0.0694	53	0.01	0.00	0.00	0.000
509	P182HLZ	29	S-033	S-032	100.0	mPVC	100.0	-0.0191	-0.0180	56	0.01	0.00	0.00	0.000
1057	P322HLZ(2)	29	J-77	B-023a	150.0	mPVC	100.0	0.0584	0.2042	57	0.01	0.00	0.00	0.000
1188	P-94	59	B-019	J-115	100.0	mPVC	100.0	0.0189	0.0631	56	0.01	0.00	0.00	0.000
1052	P-58	31	J-75	S-015	150.0	mPVC	100.0	-0.0413	-0.0389	34	0.01	0.00	0.00	0.000
650	P309HLZ	251	B-032	B-039a	150.0	mPVC	100.0	-0.0578	-0.0545	51	0.01	0.00	0.00	0.000
456	P232HLZ	67	B-031	B-029	150.0	mPVC	100.0	0.0595	0.2033	52	0.01	0.00	0.00	0.000
871	P265HLZ(1)	70	B-031	J-19	150.0	mPVC	100.0	0.0569	0.1841	52	0.01	0.00	0.00	0.000
874	P-19	205	J-19	J-20	150.0	mPVC	100.0	-0.0512	-0.0482	51	0.01	0.00	0.00	0.000
921	P-33	44	J-35	J-34	100.0	mPVC	100.0	0.0142	0.0474	44	0.01	0.00	0.00	0.000
1272	P165HLZ(1)	50	S-011	J-150	100.0	mPVC	100.0	-0.0187	-0.0176	47	0.01	0.00	0.00	0.000
655	P304HLZ	55	S-013	S-027a	100.0	mPVC	100.0	0.0144	0.0463	54	0.01	0.00	0.00	0.000
1508	P219HLZ(1)	61	B-007	J-221	100.0	mPVC	100.0	0.0089	0.0366	58	0.00	0.00	0.00	0.000
639	P320HLZ	127	B-036a	B-025a	150.0	mPVC	100.0	0.0391	0.1357	51	0.01	0.00	0.00	0.000
642	P317HLZ	65	B-031b	B-028a	150.0	mPVC	100.0	-0.0478	-0.0452	50	0.01	0.00	0.00	0.000
949	P222HLZ(1)(2)	68	J-44	J-42	100.0	mPVC	100.0	-0.0089	-0.0084	47	0.00	0.00	0.00	0.000
1043	P326HLZ(2)(2)	76	J-72	B-049a	100.0	mPVC	100.0	-0.0102	-0.0096	39	0.00	0.00	0.00	0.000
585	P350HLZ	79	S-042	S-024	100.0	mPVC	100.0	0.0132	0.0468	51	0.01	0.00	0.00	0.000
1072	P132LLZ(2)	82	J-81	L-ECO-002	100.0	mPVC	100.0	-0.0097	-0.0090	42	0.00	0.00	0.00	0.000
720	P077LLZ	83	L-043	J-277	100.0	mPVC	100.0	-0.0126	-0.0117	34	0.01	0.00	0.00	0.000
817	P-1	88	S-016	A-01	100.0	mPVC	100.0	-0.0064	-0.0060	36	0.00	0.00	0.00	0.000
485	P206HLZ	100	S-039	S-040	100.0	mPVC	100.0	0.0097	0.0312	59	0.00	0.00	0.00	0.000
471	P217HLZ	100	B-007	B-011	100.0	mPVC	100.0	0.0052	0.0143	58	0.00	0.00	0.00	0.000
1279	P161HLZ(2)	108	J-151	S-034	100.0	mPVC	100.0	0.0068	0.0196	47	0.00	0.00	0.00	0.000
475	P213HLZ	118	B-009	B-003	100.0	mPVC	100.0	0.0092	0.0326	54	0.00	0.00	0.00	0.000
498	P193HLZ	125	S-047	S-032	100.0	mPVC	100.0	0.0055	0.0216	55	0.00	0.00	0.00	0.000
1083	P-84	136	J-84	J-81	100.0	mPVC	100.0	0.0074	0.0169	43	0.00	0.00	0.00	0.000
356	P076LLZ	158	J-276	L-043	100.0	mPVC	100.0	0.0085	0.0245	36	0.00	0.00	0.00	0.000
984	P-41	159	J-53	J-54	100.0	mPVC	100.0	0.0058	0.0199	61	0.00	0.00	0.00	0.000
483	P208HLZ	195	S-041	S-040	100.0	mPVC	100.0	0.0051	0.0181	57	0.00	0.00	0.00	0.000
354	PRV-2-A	2	823-A	PRV-2	250.0	mPVC	110.0	0.0000	0.0000	39	0.00	0.00	0.00	0.000
355	PRV-2-B	3	PRV-2	823-B	250.0	mPVC	110.0	0.0000	0.0000	39	0.00	0.00	0.00	0.000
382	P281HLZ	39	823-B	B-079	250.0	mPVC	110.0	0.0000	0.0001	39	0.00	0.00	0.00	0.000
383	P280HLZ	154	B-079	B-042	250.0	mPVC	110.0	-0.0122	-0.0116	41	0.00	0.00	0.00	0.000
384	P279HLZ	87	TeviotRdConnection1	823-A	250.0	mPVC	110.0	0.0018	0.0060	0	0.00	0.00	0.00	0.000
410	P264HLZ	34	B-039	B-040	150.0	mPVC	100.0	0.0061	0.0200	40	0.00	0.00	0.00	0.000
414	P262HLZ	122	B-042	B-041	250.0	mPVC	110.0	-0.0313	-0.0295	46	0.00	0.00	0.00	0.000
462	P226HLZ	142	B-024	B-021	100.0	mPVC	100.0	0.0015	0.0016	59	0.00	0.00	0.00	0.000
473	P215HLZ	34	B-004	B-010	100.0	mPVC	100.0	0.0073	0.0239	58	0.00	0.00	0.00	0.000
482	P209HLZ	61	S-054	S-041	100.0	mPVC	100.0	0.0128	0.0409	58	0.01	0.00	0.00	0.000
484	P207HLZ	81	S-033	S-041	100.0	mPVC	100.0	0.0101	0.0365	56	0.00	0.00	0.00	0.000
486	P205HLZ	117	S-054	S-039	100.0	mPVC	100.0	0.0069	0.0239	58	0.00	0.00	0.00	0.000
500	P191HLZ	37	S-003	B-066	100.0	mPVC	100.0	0.0000	0.0000	61	0.00	0.00	0.00	0.000
544	P039LLZ	174	L-ECO-002	L-ECO-003	100.0	mPVC	100.0	0.0050	0.0253	41	0.00	0.00	0.00	0.000
646	P313HLZ	108	B-031a	B-038a	150.0	mPVC	100.0	0.0120	0.0368	50	0.00	0.00	0.00	0.000
657	P302HLZ	96	B-065	B-064a	100.0	mPVC	100.0	0.0059	0.0198	60	0.00	0.00	0.00	0.000
718	P079LLZ	120	J-276	J-277	100.0	mPVC	100.0	-0.0026	-0.0013	36	0.00	0.00	0.00	0.000
725	P367LLZIRRIG(2)	128	J-1	T-1005	200.0	mPVC	110.0	0.0000	0.0000	37	0.00	0.00	0.00	0.000
827	P-2	26	A-01	J-2	100.0	mPVC	100.0	0.0000	0.0000	38	0.00	0.00	0.00	0.000
829	P-3	27	J-3	S-016	100.0	mPVC	100.0	0.0000	0.0000	36	0.00	0.00	0.00	0.000
831	P-4	41	S-017	J-4	100.0	mPVC	100.0	0.0000	0.0000	40	0.00	0.00	0.00	0.000
833	P-5	137	S-120	J-5	100.0	mPVC	100.0	0.0000	0.0000	40	0.00	0.00	0.00	0.000
852	P186HLZ(1)	49	S-030	J-12	100.0	mPVC	100.0	-0.0052	-0.0050	58	0.00	0.00	0.00	0.000
876	P-21	75	B-039a	J-20	150.0	mPVC	100.0	-0.0189	-0.0179	43	0.00	0.00	0.00	0.000
937	P223HLZ(1)	5	B-016	J-40	150.0	mPVC	100.0	-0.0180	-0.0170	52	0.00	0.00	0.00	0.000
975	P291HLZ(1)	4	B-058a	J-52	100.0	mPVC	100.0	0.0339	0.1084	59	0.01	0.00	0.00	0.000
987	P284HLZ(2)	7	J-55	B-050	100.0	mPVC	100.0	-0.0083	-0.0079	44	0.00	0.00	0.00	0.000
1081	P040LLZ(1)(1)	19	L-ECO-003	J-84	100.0	mPVC	100.0	-0.0168	-0.0162	43	0.01	0.00	0.00	0.000
1090	P-65	166	J-86	L-ECO-008	100.0	mPVC	100.0	0.0061	0.0094	41	0.01	0.00	0.00	0.000
1155	P144LLZ(2)	37	J-103	B-074	100.0	mPVC	100.0	0.0122	0.0399	36	0.01	0.00	0.00	0.000
1186	P-93	24	J-105	J-106	100.0	mPVC	100.0	0.0096	0.0318	38	0.00	0.00	0.00	0.000
1270	P167HLZ(2)(2)	74	J-149	S-036	100.0	mPVC	100.0	-0.0052	-0.0048	53	0.00	0.00	0.00	0.000
1296	P-144	25	J-156	J-157	100.0	mPVC	100.0	-0.0111	-0.0105	37	0.00	0.00	0.00	0.000
1298	P-145	37	J-158	B-054	100.0	mPVC	100.0	-0.0074	-0.0070	37	0.00	0.00	0.00	0.000

1305	P-148	12	J-160	B-049a	100.0	mPVC	100.0	-0.0111	-0.0105	37	0.00	0.00	0.00	0.000
1305	P-149	62	S-019	J-161	100.0	mPVC	100.0	0.0000	0.0000	42	0.00	0.00	0.00	0.000
1329	P-157	18	J-1	J-AFL maintenance shed	150.0	mPVC	100.0	0.0000	0.0000	37	0.00	0.00	0.00	0.000
1368	P-166	20	J-180	J-181	100.0	mPVC	100.0	0.0000	0.0000	60	0.00	0.00	0.00	0.000
1375	P-168	4	J-184	J-Primary School	200.0	mPVC	110.0	0.0000	0.0000	40	0.00	0.00	0.00	0.000
1387	P-174	20	J-188	J-155	100.0	mPVC	100.0	0.0213	0.0697	57	0.01	0.00	0.00	0.000
1406	P261HLZ(1)	29	B-065	P9 Low Point	100.0	mPVC	100.0	0.0042	0.0139	60	0.00	0.00	0.00	0.000
1407	P261HLZ(2)	72	P9 Low Point	B-066	100.0	mPVC	100.0	0.0042	0.0139	63	0.00	0.00	0.00	0.000
1552	P-142(2)	36	J-227	S-044a	100.0	mPVC	100.0	0.0000	0.0000	56	0.00	0.00	0.00	0.000
1555	P-143(2)	40	J-228	S-046	100.0	mPVC	100.0	0.0000	0.0000	55	0.00	0.00	0.00	0.000
1558	P-153(2)	37	J-229	S-047	100.0	mPVC	100.0	0.0000	0.0000	56	0.00	0.00	0.00	0.000
584	P351HLZ	43	S-033	B-075	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
601	P336HLZ	41	B-066	B-067	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
944	P294HLZ(1)	111	B-015	J-43	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1134	P-73	28	J-98	B-010	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1509	P219HLZ(2)	28	J-221	B-008	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1512	P-207	177	J-49	J-1	200.0	mPVC	110.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1551	P-142(1)	28	B-068a	J-227	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1554	P-143(1)	25	B-068b	J-228	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1557	P-153(1)	22	J-164	J-229	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)

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Scenario: Ultimate
Current Time Step: 19.000 h
FlexTable: Pipe Table

ID	Label	Length (Scaled) (m)	Start Node	Stop Node	Diameter (mm)	Material	Hazen- Williams C	Flow (L/s)	Flow (Maximum) (L/s)	Pressure (Start) (m H2O)	Velocity (Maximum) (m/s)	Headloss (m)	Velocity (m/s)	Headloss Gradient (m/km)
1410	P-43(2)	81	J-194	B-082	100.0	mPVC	100.0	2.4020	2.4020	37	0.31	0.18	0.31	2.207
1309	P-152	10	J-56	J-74	200.0	mPVC	110.0	-14.2366	-4.0725	37	0.45	0.02	0.45	1.706
1527	P-210(1)(2)	7	PRV-8	J-223	100.0	mPVC	100.0	-2.0603	-0.7200	54	0.26	0.01	0.26	1.662
1526	P-210(1)(1)	140	L-027	PRV-8	100.0	mPVC	100.0	-2.0602	-0.7200	47	0.26	0.23	0.26	1.661
706	P091LLZ	117	L-027	L-027a	100.0	mPVC	100.0	2.0602	2.0602	47	0.26	0.20	0.26	1.661
707	P090LLZ	31	L-027a	L-028	100.0	mPVC	100.0	2.0352	3.0620	49	0.39	0.05	0.26	1.624
596	P341HLZ	29	1227-B	S-055	250.0	mPVC	110.0	22.5020	22.5020	28	0.46	0.04	0.46	1.344
597	P340HLZ	116	TeviotRoadConnection2	1227-A	250.0	mPVC	110.0	22.5020	22.5020	0	0.46	0.16	0.46	1.344
352	PRV-3-B	7	PRV-3	1227-B	250.0	mPVC	110.0	22.5020	22.5020	28	0.46	0.01	0.46	1.343
351	PRV-3-A	6	1227-A	PRV-3	250.0	mPVC	110.0	22.5020	22.5020	28	0.46	0.01	0.46	1.343
1337	P337HLZ(2)(2)	175	J-173	S-055	250.0	mPVC	110.0	-22.2208	-6.3433	36	0.45	0.23	0.45	1.313
1336	P337HLZ(2)(1)	175	J-74	J-173	250.0	mPVC	110.0	-22.2208	-6.3433	37	0.45	0.23	0.45	1.313
1353	P-49(2)	106	J-177	J-56	200.0	mPVC	110.0	-11.7791	-3.3694	43	0.37	0.13	0.37	1.202
1259	P342HLZ(1)	50	S-004	J-146	100.0	mPVC	100.0	1.7288	1.7288	37	0.22	0.06	0.22	1.200
569	P014LLZ	67	L-013	L-018	100.0	mPVC	100.0	1.7165	2.7376	46	0.35	0.08	0.22	1.185
1352	P-49(1)	52	B-077	J-177	200.0	mPVC	110.0	-11.6820	-3.3417	44	0.37	0.06	0.37	1.183
685	P110LLZ	93	B-068a	B-068	100.0	mPVC	100.0	-1.6768	1.8575	35	0.24	0.11	0.21	1.134
714	P083LLZ	257	L-018	L-1085	100.0	mPVC	100.0	1.6767	2.7236	47	0.35	0.29	0.21	1.134
1118	P006LLZ(2)(2)(1)	3	J-93	J-94	100.0	mPVC	100.0	-1.6487	1.6977	44	0.22	0.00	0.21	1.096
1148	P084LLZ(1)	47	L-1085	P14 - Low Point	100.0	mPVC	100.0	1.6071	2.6991	51	0.34	0.05	0.20	1.049
683	P112LLZ	64	B-068b	B-068a	100.0	mPVC	100.0	-1.5373	1.8979	33	0.24	0.06	0.20	0.966
1112	P004LLZ(1)(2)	25	J-92	J-91	100.0	mPVC	100.0	1.5136	1.5136	36	0.19	0.02	0.19	0.938
684	P111LLZ	42	B-069	B-068b	100.0	mPVC	100.0	-1.4874	1.9123	34	0.24	0.04	0.19	0.909
1548	P084LLZ(2)(1)	106	P14 - Low Point	P-14 DemandB	100.0	mPVC	100.0	1.4507	2.6457	51	0.34	0.09	0.18	0.867
1313	P047LLZ(2)	33	J-164	B-069	100.0	mPVC	100.0	-1.4276	1.9296	34	0.25	0.03	0.18	0.842
1024	P-52	87	J-67	B-077	150.0	mPVC	100.0	-4.1289	-1.1799	47	0.23	0.07	0.23	0.835
376	P286HLZ	66	B-082	B-080	100.0	mPVC	100.0	1.3739	1.3739	34	0.17	0.05	0.17	0.784
1424	P153HLZ(1)(2)	38	J-198	J-6	100.0	mPVC	100.0	1.3640	1.3640	36	0.17	0.03	0.17	0.774
1178	P-88	64	L-028	L-021	100.0	mPVC	100.0	1.3343	1.6682	49	0.21	0.05	0.17	0.743
1312	P047LLZ(1)	151	B-075	J-164	100.0	mPVC	100.0	-1.3279	1.9585	35	0.25	0.11	0.17	0.736
534	P157HLZ	45	S-027	S-026	100.0	mPVC	100.0	-1.2624	-0.3594	54	0.16	0.03	0.16	0.670
1480	P-195	38	B-075	J-231	100.0	mPVC	100.0	1.2482	1.2482	35	0.25	0.03	0.16	0.657
1114	P006LLZ(2)(1)	64	J-79	J-93	100.0	mPVC	100.0	-1.2479	0.5653	43	0.16	0.04	0.16	0.656
1481	P-196	42	J-231	B-076	100.0	mPVC	100.0	1.2482	1.2482	34	0.25	0.03	0.16	0.656
550	P033LLZ	310	RoundMt	L-001	250.0	mPVC	110.0	14.9003	39.7513	0	0.81	0.19	0.30	0.626
1141	P-74	100	L-001	L-002	250.0	mPVC	110.0	14.8287	39.7260	42	0.81	0.06	0.30	0.621
540	P151HLZ	58	S-006	S-007	100.0	mPVC	100.0	1.2064	1.2064	38	0.15	0.04	0.15	0.617
992	P-44	27	J-57	B-037	150.0	mPVC	100.0	3.4675	3.4675	50	0.20	0.02	0.20	0.604
548	P035LLZ	50	L-002	L-003	150.0	mPVC	100.0	3.4535	4.7047	42	0.27	0.03	0.20	0.600
532	P159HLZ	21	S-007	S-008	100.0	mPVC	100.0	1.1768	1.1768	40	0.15	0.01	0.15	0.589
1049	P337HLZ(1)	25	S-100	J-74	200.0	mPVC	110.0	-7.9842	-2.2708	37	0.25	0.01	0.25	0.585
599	P338HLZ	21	S-001	S-100	200.0	mPVC	110.0	-7.9703	-2.2669	38	0.25	0.01	0.25	0.583
374	P058LLZ	38	L-1000	L-021	100.0	mPVC	100.0	-1.1666	-0.4051	47	0.15	0.02	0.15	0.579
1065	P006LLZ(1)	15	L-008	J-79	100.0	mPVC	100.0	-1.1404	0.5962	44	0.15	0.01	0.15	0.555
1023	P-51	42	B-055b	J-67	100.0	mPVC	100.0	-1.1329	-0.3245	47	0.14	0.02	0.14	0.549
668	P119LLZ	81	L-035a	L-045	100.0	mPVC	100.0	-1.1260	1.1423	46	0.15	0.04	0.14	0.543
583	P148HLZ	81	B-041	B-043	200.0	mPVC	110.0	-7.6529	-2.1866	51	0.24	0.04	0.24	0.541
659	P300HLZ	63	B-021a	B-018	100.0	mPVC	100.0	1.1044	1.1044	51	0.14	0.03	0.14	0.524
1142	P-75	42	L-034	J-100	100.0	mPVC	100.0	-1.1024	-0.3971	42	0.23	0.02	0.14	0.522
390	P277HLZ	62	B-051	B-077	200.0	mPVC	110.0	-7.4976	-2.1460	43	0.24	0.03	0.24	0.520
1260	P342HLZ(2)	77	J-146	S-105	100.0	mPVC	100.0	1.0991	1.0991	39	0.14	0.04	0.14	0.519
439	P249HLZ	107	B-051	B-046	200.0	mPVC	110.0	7.0846	7.0846	43	0.23	0.05	0.23	0.469
503	P188HLZ	363	S-001	S-002	100.0	mPVC	100.0	1.0340	1.0340	38	0.13	0.17	0.13	0.463
520	P171HLZ	91	S-004	S-001	200.0	mPVC	110.0	-6.8986	-1.9616	37	0.22	0.04	0.22	0.446
1025	P-53	57	J-67	J-66	150.0	mPVC	100.0	2.9267	2.9267	47	0.17	0.03	0.17	0.442
1349	P149HLZ(2)	102	S-005	J-176	150.0	mPVC	100.0	2.8378	2.8379	36	0.16	0.04	0.16	0.417
1085	P134LLZ(1)	78	L-008a	J-85	100.0	mPVC	100.0	0.9724	0.9724	48	0.12	0.03	0.12	0.414
1348	P149HLZ(1)	31	J-176	S-006	150.0	mPVC	100.0	2.8080	2.8080	38	0.16	0.01	0.16	0.409
1123	P-71	64	J-94	J-95	100.0	mPVC	100.0	-0.9524	3.1864	44	0.41	0.03	0.12	0.398
976	P291HLZ(2)	59	J-52	B-058	100.0	mPVC	100.0	-0.9490	-0.2710	58	0.12	0.02	0.12	0.395
554	P029LLZ	126	L-004	L-009	100.0	mPVC	100.0	0.9400	0.9400	35	0.12	0.05	0.12	0.388
611	P136LLZ	150	L-034	L-034a	100.0	mPVC	100.0	0.9364	1.7773	42	0.23	0.06	0.12	0.386
1139	P028LLZ(1)	24	L-002	J-100	250.0	mPVC	110.0	11.3393	35.0087	42	0.71	0.01	0.23	0.377
660	P299HLZ	88	B-021	B-021a	100.0	mPVC	100.0	0.9139	0.9139	54	0.12	0.03	0.12	0.369

437	P251HLZ	109	B-064	B-061	100.0	mPVC	100.0	-0.9081	-0.2592	49	0.12	0.04	0.12	0.364
441	P247HLZ	88	B-050	B-052	100.0	mPVC	100.0	-0.9002	-0.2583	43	0.11	0.03	0.11	0.358
653	P306HLZ	47	S-008	S-008a	100.0	mPVC	100.0	0.8968	0.8968	41	0.11	0.02	0.11	0.356
1418	P296HLZ(2)	79	J-196	B-002	100.0	mPVC	100.0	0.8843	0.8843	62	0.11	0.03	0.11	0.347
1132	P005LLZ(1)(1)	58	L-003	J-98	150.0	mPVC	100.0	2.5422	3.0886	40	0.17	0.02	0.14	0.340
630	P127LLZ	103	L-010a	L-ECO-005	100.0	mPVC	100.0	0.8663	0.8663	42	0.11	0.03	0.11	0.334
1034	P244HLZ(1)	33	B-046	J-70	200.0	mPVC	110.0	5.8939	5.8939	48	0.19	0.01	0.19	0.333
1340	P282HLZ(1)	37	B-080	J-174	100.0	mPVC	100.0	0.8631	0.8631	33	0.11	0.01	0.11	0.332
1133	P005LLZ(1)(2)	54	J-98	J-96	150.0	mPVC	100.0	2.5064	3.0760	37	0.17	0.02	0.14	0.331
963	P-38	64	J-48	B-024	100.0	mPVC	100.0	0.8578	0.8578	61	0.11	0.02	0.11	0.328
512	P179HLZ	65	S-029	S-028	100.0	mPVC	100.0	-0.8566	-0.2435	56	0.11	0.02	0.11	0.327
1427	P285HLZ(2)	129	J-199	B-082	100.0	mPVC	100.0	-0.8478	-0.2424	40	0.11	0.04	0.11	0.321
1111	P004LLZ(1)(1)	51	L-004	J-92	100.0	mPVC	100.0	0.8437	1.2157	35	0.15	0.02	0.11	0.318
442	P246HLZ	58	B-048	B-050	100.0	mPVC	100.0	-0.8382	-0.2395	46	0.11	0.02	0.11	0.314
1276	P-137	26	J-11	S-035	100.0	mPVC	100.0	0.8374	0.8374	50	0.11	0.01	0.11	0.313
612	P335HLZ	105	B-016a	B-016	150.0	mPVC	100.0	-2.4258	-0.6886	53	0.14	0.03	0.14	0.312
664	P121LLZ	130	T-1010	L-015	150.0	mPVC	100.0	2.4244	11.4505	44	0.65	0.04	0.14	0.312
568	P015LLZ	25	L-015	L-016	150.0	mPVC	100.0	2.4244	11.4505	44	0.65	0.01	0.14	0.311
1403	P244HLZ(2)(2)	2	J-192	B-043	200.0	mPVC	110.0	5.6492	5.6492	52	0.18	0.00	0.18	0.310
1140	P028LLZ(2)	126	J-100	L-045	250.0	mPVC	110.0	10.1536	33.1444	43	0.68	0.04	0.21	0.308
1119	P006LLZ(2)(2)	150	J-94	L-003	100.0	mPVC	100.0	-0.8158	-0.3038	44	0.20	0.04	0.10	0.299
958	P275HLZ(1)	202	J-47	B-020	150.0	mPVC	100.0	2.3541	2.3541	61	0.13	0.06	0.13	0.295
502	P189HLZ	85	S-042	S-002	100.0	mPVC	100.0	-0.8039	-0.2287	50	0.10	0.02	0.10	0.291
1402	P244HLZ(2)(1)	80	J-70	J-192	200.0	mPVC	110.0	5.4038	5.4038	49	0.17	0.02	0.17	0.284
417	P053LLZ	65	L-024	L-047	100.0	mPVC	100.0	-0.7928	0.9723	39	0.12	0.02	0.10	0.283
370	P062LLZ	77	L-024	J-269	100.0	mPVC	100.0	0.7910	0.7910	39	0.10	0.02	0.10	0.282
1020	P-50(1)	13	J-65	J-66	150.0	mPVC	100.0	-2.2816	-0.6516	48	0.13	0.00	0.13	0.278
1420	P-24(1)	138	B-018a	J-197	100.0	mPVC	100.0	-0.7787	-0.2200	47	0.10	0.04	0.10	0.274
517	P174HLZ	32	S-023	S-022	150.0	mPVC	100.0	-2.2469	-0.6390	50	0.13	0.01	0.13	0.270
1108	P004LLZ(2)	39	J-91	L-005	100.0	mPVC	100.0	0.7686	0.7686	37	0.10	0.01	0.10	0.268
1345	P170HLZ(2)	18	J-175	S-004	200.0	mPVC	110.0	-5.1400	-1.4604	37	0.16	0.00	0.16	0.259
399	P272HLZ	26	S-005	S-053	150.0	mPVC	100.0	2.1927	2.1927	36	0.12	0.01	0.12	0.259
398	P273HLZ	44	S-053	S-014	150.0	mPVC	100.0	2.1927	2.1927	36	0.12	0.01	0.12	0.259
1344	P170HLZ(1)	79	S-005	J-175	200.0	mPVC	110.0	-5.1201	-1.4547	36	0.16	0.02	0.16	0.257
1341	P282HLZ(2)	41	J-174	B-053	100.0	mPVC	100.0	0.7499	0.7499	33	0.10	0.01	0.10	0.256
395	P274HLZ	172	B-016	B-020	150.0	mPVC	100.0	-2.1765	-0.6169	51	0.12	0.04	0.12	0.255
366	P066LLZ	76	J-269	L-1020	100.0	mPVC	100.0	0.7319	0.7319	39	0.09	0.02	0.09	0.244
1121	P037LLZ(1)	7	L-045	J-95	250.0	mPVC	110.0	8.9206	34.1665	44	0.70	0.00	0.18	0.243
1128	P-70(1)	77	J-92	J-97	100.0	mPVC	100.0	-0.7295	0.2293	36	0.09	0.02	0.09	0.243
836	P153HLZ(2)	75	J-6	S-020	100.0	mPVC	100.0	0.7189	0.7189	36	0.09	0.02	0.09	0.236
592	P345HLZ	108	S-021	S-115	150.0	mPVC	100.0	-2.0756	-0.5911	48	0.12	0.03	0.12	0.234
677	P292HLZ	227	B-059	B-058a	100.0	mPVC	100.0	0.7123	0.7123	47	0.09	0.05	0.09	0.232
1030	P293HLZ(1)	94	B-055b	J-69	100.0	mPVC	100.0	0.7097	0.7097	47	0.09	0.02	0.09	0.231
1385	P195HLZ(1)	81	S-043	J-188	100.0	mPVC	100.0	0.7037	0.7037	55	0.09	0.02	0.09	0.227
1262	P346HLZ(1)	84	S-115	J-147	150.0	mPVC	100.0	-2.0424	-0.5827	43	0.12	0.02	0.12	0.227
1361	P143LLZ(1)	25	B-076	J-179	100.0	mPVC	100.0	0.6996	0.6996	37	0.16	0.01	0.09	0.225
1109	P-69	76	J-88	J-91	100.0	mPVC	100.0	-0.6972	-0.2039	39	0.09	0.02	0.09	0.223
955	P301HLZ(1)	88	B-024	J-46	100.0	mPVC	100.0	0.6956	0.6956	59	0.09	0.02	0.09	0.222
449	P239HLZ	63	B-043	B-044	150.0	mPVC	100.0	-2.0097	-0.5726	52	0.11	0.01	0.11	0.220
561	P022LLZ	79	L-028	L-031	100.0	mPVC	100.0	0.6910	1.3903	49	0.18	0.02	0.09	0.220
594	P343HLZ	112	S-105	S-004a	100.0	mPVC	100.0	0.6880	0.6880	42	0.09	0.02	0.09	0.218
1400	P294HLZ(2)(2)	68	J-191	B-018a	100.0	mPVC	100.0	-0.6840	-0.1933	44	0.09	0.01	0.09	0.215
1458	P163HLZ(1)	47	S-010	J-211	100.0	mPVC	100.0	0.6755	0.6755	44	0.09	0.01	0.09	0.211
1459	P163HLZ(2)	21	J-211	S-011	100.0	mPVC	100.0	0.6755	0.6755	46	0.09	0.00	0.09	0.210
1530	P042LLZ(2)(2)	54	PRV-9	L-014	200.0	mPVC	110.0	4.5786	23.2022	44	0.74	0.01	0.15	0.209
1529	P042LLZ(2)(1)	145	J-101	PRV-9	200.0	mPVC	110.0	4.5786	23.2022	44	0.74	0.03	0.15	0.209
516	P175HLZ	59	S-028	S-027	100.0	mPVC	100.0	-0.6704	-0.1916	55	0.09	0.01	0.09	0.208
1415	P-177	56	J-96	B-008	150.0	mPVC	100.0	1.9389	2.0523	35	0.12	0.01	0.11	0.206
519	P172HLZ	50	S-022	S-021	150.0	mPVC	100.0	-1.9270	-0.5487	49	0.11	0.01	0.11	0.204
527	P164HLZ	138	S-011	S-012	100.0	mPVC	100.0	0.6597	0.6597	46	0.08	0.03	0.08	0.202
1448	P-83(2)	39	J-207	J-109	100.0	mPVC	100.0	0.6543	0.6543	47	0.08	0.01	0.08	0.199
1447	P-83(1)	45	L-1000	J-207	100.0	mPVC	100.0	0.6543	0.6543	47	0.08	0.01	0.08	0.198
432	P256LLZ	102	B-059	B-061	100.0	mPVC	100.0	0.6514	0.6514	47	0.08	0.02	0.08	0.197
1362	P143LLZ(2)	62	J-179	L-047	100.0	mPVC	100.0	0.6498	0.6498	37	0.16	0.01	0.08	0.196
1122	P037LLZ(2)	145	J-95	L-041	250.0	mPVC	110.0	7.8968	37.2919	44	0.76	0.03	0.16	0.193
545	P038LLZ	133	L-041	L-013	250.0	mPVC	110.0	7.8372	37.2709	48	0.76	0.03	0.16	0.191
1414	P-176	32	B-008	L-004	150.0	mPVC	100.0	1.8434	2.0186	35	0.11	0.01	0.10	0.188
1541	P002LLZ(1)	132	L-016	J-225	150.0	mPVC	100.0	1.8263	1.8263	44	0.10	0.02	0.10	0.184
1542	P002LLZ(2)	43	J-225	L-017	150.0	mPVC	100.0	1.8263	1.8263	42	0.10	0.01	0.10	0.184
680	P289HLZ	152	S-042	S-043	100.0	mPVC	100.0	0.6277	0.6277	50	0.08	0.03	0.08	0.184
911	P118LLZ(1)	3	L-035a	J-32	100.0	mPVC	100.0	0.6261	0.6261	46	0.11	0.00	0.08	0.184
1038	P326HLZ(1)	24	B-049	J-71	100.0	mPVC	100.0	-0.6241	-0.1773	39	0.08	0.00	0.08	0.182
1478	P-194	27	J-230	L-017	150.0	mPVC	100.0	-1.8064	1.8200	40	0.10	0.00	0.10	0.181
1477	P-193	25	B-067	J-230	150.0	mPVC	100.0	-1.8064	1.8200	40	0.10	0.00	0.10	0.180
617	P330HLZ	80	B-055	B-055a	100.0	mPVC	100.0	-0.6194	-0.1773	53	0.08	0.01	0.08	0.179

	P044LLZ(2)	31	PRV-11	B-067	150.0	mPVC	100.0	-1.7865	1.8258	39	0.10	0.01	0.10	0.177
997	P-46	27	B-041	J-57	250.0	mPVC	110.0	7.5311	7.5311	51	0.15	0.00	0.15	0.177
1563	P044LLZ(1)	28	B-068	PRV-11	150.0	mPVC	100.0	-1.7865	1.8258	39	0.10	0.00	0.10	0.177
453	P235HLZ	60	B-037	B-036	150.0	mPVC	100.0	1.7726	1.7726	50	0.10	0.01	0.10	0.174
808	P067LLZ(1)	68	L-1020	J-2	100.0	mPVC	100.0	0.6020	0.6020	40	0.08	0.01	0.08	0.170
1086	P134LLZ(2)	92	J-85	L-ECO-008	100.0	mPVC	100.0	0.5952	0.5952	49	0.08	0.02	0.08	0.167
1386	P195HLZ(2)	67	J-188	S-044	100.0	mPVC	100.0	0.5942	0.5942	56	0.08	0.01	0.08	0.166
1017	P254HLZ(2)	231	J-65	B-058	100.0	mPVC	100.0	0.5851	0.5851	48	0.07	0.04	0.07	0.161
1399	P294HLZ(2)(1)	91	J-43	J-191	100.0	mPVC	100.0	-0.5735	-0.1622	48	0.07	0.01	0.07	0.156
1463	P187HLZ(1)	76	S-012	J-213	100.0	mPVC	100.0	0.5708	0.5709	49	0.07	0.01	0.07	0.154
1464	P187HLZ(2)	46	J-213	S-013	100.0	mPVC	100.0	0.5708	0.5709	51	0.07	0.01	0.07	0.154
879	P236HLZ(2)	83	J-21	B-037	150.0	mPVC	100.0	-1.6550	-0.4742	47	0.09	0.01	0.09	0.154
1454	P158HLZ(2)	88	J-209	S-010	100.0	mPVC	100.0	0.5687	0.5687	43	0.07	0.01	0.07	0.153
1453	P158HLZ(1)	110	S-009	J-209	100.0	mPVC	100.0	0.5687	0.5687	42	0.07	0.02	0.07	0.153
518	P173HLZ	30	S-024	S-023	150.0	mPVC	100.0	-1.6463	-0.4694	50	0.09	0.00	0.09	0.152
905	P-30	116	J-28	B-016a	100.0	mPVC	100.0	-0.5655	-0.1605	52	0.07	0.02	0.07	0.152
1009	P243HLZ(1)	35	B-047	J-62	150.0	mPVC	100.0	1.6421	1.6421	48	0.09	0.01	0.09	0.151
1021	P-50(2)	153	J-66	B-060	100.0	mPVC	100.0	0.5619	0.5619	48	0.07	0.02	0.07	0.150
672	P116LLZ	224	L-008a	L-008	100.0	mPVC	100.0	-0.5592	0.1634	48	0.07	0.03	0.07	0.148
613	P334HLZ	114	B-013	B-016a	150.0	mPVC	100.0	-1.6232	-0.4611	57	0.09	0.02	0.09	0.148
1104	P125LLZ(2)	93	J-90	L-010a	100.0	mPVC	100.0	0.5570	0.5570	46	0.07	0.01	0.07	0.147
514	P177HLZ	155	S-025	S-024	150.0	mPVC	100.0	-1.6037	-0.4563	52	0.09	0.02	0.09	0.145
850	P-12	82	S-023	J-11	100.0	mPVC	100.0	0.5510	0.5510	50	0.07	0.01	0.07	0.144
1016	P254HLZ(1)	55	B-059	J-65	150.0	mPVC	100.0	-1.5995	-0.4566	47	0.09	0.01	0.09	0.144
679	P290HLZ	75	B-062	B-058a	100.0	mPVC	100.0	-0.5484	-0.1557	59	0.07	0.01	0.07	0.143
1282	P186HLZ(2)(2)(1)	20	J-13	J-152	100.0	mPVC	100.0	-0.5404	-0.1546	58	0.07	0.00	0.07	0.140
1264	P-134	172	J-146	J-147	100.0	mPVC	100.0	0.5401	0.5401	39	0.07	0.02	0.07	0.139
1171	P-85	77	J-109	J-107	100.0	mPVC	100.0	0.5396	0.5396	44	0.07	0.01	0.07	0.139
1263	P346HLZ(2)	32	S-006	J-147	150.0	mPVC	100.0	1.5519	1.5519	38	0.09	0.00	0.09	0.136
477	P211HLZ	77	B-002	B-003	100.0	mPVC	100.0	0.5293	0.5293	59	0.07	0.01	0.07	0.134
654	P305HLZ	97	S-027a	S-027	100.0	mPVC	100.0	-0.5226	-0.1480	55	0.07	0.01	0.07	0.131
418	P052LLZ	55	B-073	B-076	100.0	mPVC	100.0	-0.5186	0.7094	36	0.09	0.01	0.07	0.129
1040	P-56	93	J-71	B-081	100.0	mPVC	100.0	-0.5182	-0.1485	39	0.07	0.01	0.07	0.129
446	P242HLZ	41	B-048	B-047	100.0	mPVC	100.0	0.5173	0.5173	46	0.07	0.01	0.07	0.129
1423	P153HLZ(1)(1)	13	S-014	J-198	150.0	mPVC	100.0	1.5021	1.5021	35	0.09	0.00	0.09	0.129
633	P124LLZ	128	L-005	L-007	100.0	mPVC	100.0	0.5149	0.5149	40	0.07	0.02	0.07	0.127
1010	P243HLZ(2)	79	J-62	B-044	150.0	mPVC	100.0	1.4852	1.4852	49	0.08	0.01	0.08	0.126
897	P221HLZ(2)	44	J-27	B-013	150.0	mPVC	100.0	-1.4810	-0.4209	61	0.08	0.01	0.08	0.125
1130	P-72	122	J-96	J-97	100.0	mPVC	100.0	0.5078	1.0026	35	0.13	0.02	0.06	0.124
461	P227HLZ	62	B-026	B-025	150.0	mPVC	100.0	1.4751	1.4751	61	0.08	0.01	0.08	0.124
837	P-6	112	J-6	S-120	100.0	mPVC	100.0	0.5071	0.5071	36	0.06	0.01	0.06	0.124
946	P-36	63	J-43	J-42	100.0	mPVC	100.0	0.5024	0.5024	48	0.06	0.01	0.06	0.122
843	P-8	79	S-004a	J-8	100.0	mPVC	100.0	0.4989	0.4989	46	0.06	0.01	0.06	0.120
480	P041LLZ	231	L-013	P14 Demand A	250.0	mPVC	110.0	6.9909	34.5227	46	0.70	0.03	0.12	0.119
1094	P115LLZ(2)	67	J-87	L-008a	100.0	mPVC	100.0	0.4968	0.4968	46	0.06	0.01	0.06	0.119
1046	P248HLZ(2)	120	J-73	B-053	100.0	mPVC	100.0	-0.4956	-0.1422	34	0.06	0.01	0.06	0.119
431	P257LLZ	120	B-058	B-056	100.0	mPVC	100.0	-0.4888	-0.1392	55	0.06	0.01	0.06	0.116
1356	P060LLZ(1)(1)	54	L-1000	J-178	100.0	mPVC	100.0	0.4887	0.4887	47	0.06	0.01	0.06	0.116
576	P007LLZ	61	L-006	L-008	100.0	mPVC	100.0	-0.4857	0.4604	42	0.06	0.01	0.06	0.114
988	P-42	192	J-55	B-080	100.0	mPVC	100.0	-0.4830	-0.1382	43	0.06	0.02	0.06	0.113
474	P214HLZ	26	B-003	B-004	100.0	mPVC	100.0	0.4664	0.4664	57	0.06	0.00	0.06	0.106
629	P128LLZ	178	L-ECO-005	L-ECO-004	100.0	mPVC	100.0	0.4631	0.4631	44	0.06	0.02	0.06	0.105
464	P224HLZ	78	B-018	B-017	100.0	mPVC	100.0	0.4631	0.4631	47	0.06	0.01	0.06	0.105
459	P229HLZ	29	B-023	B-022	150.0	mPVC	100.0	1.3408	1.3408	58	0.08	0.00	0.08	0.104
1100	P031LLZ(1)(1)	76	L-009	J-89	100.0	mPVC	100.0	0.4588	0.4647	39	0.06	0.01	0.06	0.103
809	P067LLZ(2)	76	J-2	L-044	100.0	mPVC	100.0	0.4529	0.4529	40	0.06	0.01	0.06	0.101
1095	P-67	183	L-006	J-87	100.0	mPVC	100.0	0.4529	0.4529	42	0.06	0.02	0.06	0.100
433	P255HLZ	89	B-061	B-060	100.0	mPVC	100.0	-0.4509	-0.1287	44	0.06	0.01	0.06	0.100
1036	P-55	80	B-055a	J-70	100.0	mPVC	100.0	-0.4481	-0.1277	49	0.06	0.01	0.06	0.098
1098	P031LLZ(2)	105	J-88	L-012	100.0	mPVC	100.0	0.4474	0.4474	39	0.06	0.01	0.06	0.098
1357	P060LLZ(1)(2)	108	J-178	J-108	100.0	mPVC	100.0	0.4414	0.4414	49	0.06	0.01	0.06	0.096
841	P-7	74	S-052	J-7	100.0	mPVC	100.0	0.4397	0.4397	40	0.06	0.01	0.06	0.095
463	P225HLZ	166	B-019	B-018	100.0	mPVC	100.0	-0.4362	-0.1234	55	0.06	0.02	0.06	0.094
1088	P131LLZ(1)(1)	108	L-ECO-001	J-86	100.0	mPVC	100.0	0.4342	0.4342	41	0.06	0.01	0.06	0.093
631	P126LLZ	95	L-010a	L-012	100.0	mPVC	100.0	-0.4288	-0.0540	42	0.05	0.01	0.05	0.091
920	P117LLZ(2)	74	J-35	L-035a	100.0	mPVC	100.0	-0.4288	0.2917	46	0.05	0.01	0.05	0.091
610	P137LLZ	64	L-034a	L-035	100.0	mPVC	100.0	0.4235	1.0992	38	0.14	0.01	0.05	0.089
373	P059LLZ	76	L-1005	L-042	100.0	mPVC	100.0	0.4214	0.4214	39	0.05	0.01	0.05	0.088
368	P064LLZ	20	L-1010	L-1015	100.0	mPVC	100.0	0.4208	0.4894	39	0.06	0.00	0.05	0.087
402	P270HLZ	33	B-004	B-005	100.0	mPVC	100.0	0.4187	0.4187	57	0.05	0.00	0.05	0.087
986	P284HLZ(1)	75	B-081	J-55	100.0	mPVC	100.0	-0.4138	-0.1193	41	0.05	0.01	0.05	0.085
973	P367LLZIRIG(1)(1)(2)	5	J-51	J-49	150.0	mPVC	100.0	1.2038	1.2038	61	0.07	0.00	0.07	0.085
956	P301HLZ(2)	155	J-46	B-021a	100.0	mPVC	100.0	0.4115	0.4115	57	0.05	0.01	0.05	0.084
1007	P-47(2)	69	J-61	J-60	100.0	mPVC	100.0	-0.4073	-0.1157	41	0.05	0.01	0.05	0.083
645	P314HLZ	68	B-036	B-028a	150.0	mPVC	100.0	1.1773	1.1773	48	0.07	0.01	0.07	0.082

	P060LLZ(2)(1)	116	J-108	J-110	100.0	mPVC	100.0	0.4025	0.4025	43	0.05	0.01	0.05	0.081
1284	P-139	271	J-152	S-027a	100.0	mPVC	100.0	-0.4010	-0.1143	58	0.05	0.02	0.05	0.080
443	P245HLZ	63	B-047	B-046	150.0	mPVC	100.0	-1.1607	-0.3341	48	0.07	0.01	0.07	0.080
622	P135LLZ	83	L-ECO-008	L-ECO-006	100.0	mPVC	100.0	0.3983	0.3983	47	0.05	0.01	0.05	0.079
494	P197HLZ	216	S-019	S-009	100.0	mPVC	100.0	0.3973	0.3973	41	0.05	0.02	0.05	0.079
840	P196HLZ(2)	148	J-7	S-019	100.0	mPVC	100.0	0.3973	0.3973	42	0.05	0.01	0.05	0.079
401	P271HLZ	27	B-005	B-006	100.0	mPVC	100.0	0.3948	0.3948	55	0.05	0.00	0.05	0.078
896	P221HLZ(1)	74	B-012	J-27	150.0	mPVC	100.0	-1.1328	-0.3224	62	0.06	0.01	0.06	0.076
515	P176HLZ	48	S-026	S-025	150.0	mPVC	100.0	-1.1302	-0.3202	53	0.06	0.00	0.06	0.076
862	P065LLZ(1)	22	L-1015	J-15	100.0	mPVC	100.0	0.3854	0.4772	39	0.06	0.00	0.05	0.075
1295	P329HLZ(2)	63	J-157	B-049	100.0	mPVC	100.0	-0.3840	-0.1096	37	0.05	0.00	0.05	0.074
1280	P-138	185	S-008a	J-151	100.0	mPVC	100.0	0.3832	0.3832	42	0.05	0.01	0.05	0.074
460	P228HLZ	137	B-025	B-023	150.0	mPVC	100.0	1.1034	1.1034	60	0.06	0.01	0.06	0.073
1006	P-47(1)	83	J-59	J-61	100.0	mPVC	100.0	-0.3783	-0.1080	43	0.05	0.01	0.05	0.072
1031	P293HLZ(2)	28	J-69	B-057	100.0	mPVC	100.0	0.3785	0.3785	50	0.05	0.00	0.05	0.072
1505	P-205	53	P14 Demand A	J-101	250.0	mPVC	110.0	4.6184	34.0162	45	0.69	0.00	0.09	0.072
652	P307HLZ	193	S-008a	S-034	100.0	mPVC	100.0	0.3754	0.3754	42	0.05	0.01	0.05	0.071
536	P155HLZ	48	S-020	S-017	100.0	mPVC	100.0	0.3720	0.3720	37	0.05	0.00	0.05	0.070
844	P-9	67	J-8	S-022	100.0	mPVC	100.0	0.3695	0.3695	48	0.05	0.00	0.05	0.069
588	P349HLZ	96	S-120	S-052	100.0	mPVC	100.0	0.3689	0.3690	39	0.05	0.01	0.05	0.069
1273	P165HLZ(2)	99	J-150	S-035	100.0	mPVC	100.0	-0.3683	-0.1048	48	0.05	0.01	0.05	0.068
1524	P-211	64	T-1010	L-014	200.0	mPVC	110.0	-2.5084	-1.3431	44	0.71	0.00	0.08	0.068
948	P222HLZ(1)(1)	10	B-017	J-44	100.0	mPVC	100.0	0.3684	0.3684	46	0.05	0.00	0.05	0.068
1176	P-87	35	J-110	L-1010	100.0	mPVC	100.0	0.3671	0.3671	40	0.05	0.00	0.05	0.068
489	P202HLZ	286	S-037	S-013	100.0	mPVC	100.0	-0.3666	-0.1044	59	0.05	0.02	0.05	0.068
1129	P-70(2)	75	J-97	J-93	100.0	mPVC	100.0	-0.3650	1.1464	39	0.15	0.01	0.05	0.067
687	P287HLZ	76	S-044	S-044a	100.0	mPVC	100.0	0.3652	0.3652	56	0.05	0.01	0.05	0.067
1409	P-43(1)	8	J-56	J-194	200.0	mPVC	110.0	2.4575	2.4575	37	0.08	0.00	0.08	0.066
511	P180HLZ	84	S-029	S-045	100.0	mPVC	100.0	0.3601	0.3601	56	0.05	0.01	0.05	0.066
1027	P258HLZ(1)	76	B-056	J-68	100.0	mPVC	100.0	-0.3599	-0.1023	56	0.05	0.00	0.05	0.066
909	P-31	240	L-034a	J-31	100.0	mPVC	100.0	0.3588	0.6245	38	0.08	0.02	0.05	0.065
634	P325HLZ	75	B-023b	B-023a	100.0	mPVC	100.0	0.3581	0.3581	57	0.05	0.00	0.05	0.065
458	P230HLZ	34	B-022	B-021	150.0	mPVC	100.0	1.0409	1.0409	57	0.06	0.00	0.06	0.065
1105	P-68	76	J-89	J-90	100.0	mPVC	100.0	0.3504	0.3504	41	0.04	0.00	0.04	0.063
363	P069LLZ	76	L-042	J-272	100.0	mPVC	100.0	0.3436	0.3436	39	0.04	0.00	0.04	0.060
362	P070LLZ	76	J-273	L-044	100.0	mPVC	100.0	-0.3416	-0.0461	40	0.04	0.00	0.04	0.060
916	P-32	152	J-32	J-33	100.0	mPVC	100.0	0.3395	0.3395	46	0.05	0.01	0.04	0.059
1078	P040LLZ(2)	101	J-83	L-ECO-004	100.0	mPVC	100.0	-0.3372	-0.1077	45	0.04	0.01	0.04	0.058
1151	P-78	62	L-031	L-1055	100.0	mPVC	100.0	0.3369	0.7863	46	0.10	0.00	0.04	0.058
983	P303HLZ(2)	139	J-54	B-064	100.0	mPVC	100.0	-0.3348	-0.0956	55	0.04	0.01	0.04	0.057
894	P-25	63	B-014a	J-26	100.0	mPVC	100.0	-0.3329	-0.0947	59	0.04	0.00	0.04	0.057
1417	P296HLZ(1)	12	B-012	J-196	150.0	mPVC	100.0	0.9673	0.9673	62	0.05	0.00	0.05	0.057
628	P129LLZ	97	L-ECO-001	L-ECO-005	100.0	mPVC	100.0	-0.3316	-0.1173	41	0.04	0.01	0.04	0.056
996	P-45	30	J-57	J-58	250.0	mPVC	110.0	4.0536	4.0536	50	0.08	0.00	0.08	0.056
979	P260HLZ(1)	75	B-062	J-53	100.0	mPVC	100.0	0.3310	0.3310	59	0.04	0.00	0.04	0.056
1366	P-40(2)(2)(1)	68	J-168	J-181	150.0	mPVC	100.0	-0.9603	-0.2754	58	0.05	0.00	0.05	0.056
1334	P-40(2)(1)(2)	54	J-AFL Club House	J-168	150.0	mPVC	100.0	-0.9603	-0.2754	59	0.05	0.00	0.05	0.056
1320	P-40(1)	139	J-166	J-51	150.0	mPVC	100.0	0.9603	0.9603	59	0.05	0.01	0.05	0.056
1367	P-40(2)(2)(2)	65	J-181	J-52	150.0	mPVC	100.0	-0.9603	-0.2754	58	0.05	0.00	0.05	0.056
1333	P-40(2)(1)(1)	70	J-166	J-AFL Club House	150.0	mPVC	100.0	-0.9603	-0.2754	59	0.05	0.00	0.05	0.056
995	P263HLZ(2)	57	J-58	B-035	250.0	mPVC	110.0	4.0436	4.0436	51	0.08	0.00	0.08	0.056
419	P051LLZ	102	B-072	B-073	100.0	mPVC	100.0	-0.3292	0.7642	34	0.10	0.01	0.04	0.056
616	P331HLZ	111	B-055a	B-055b	100.0	mPVC	100.0	-0.3261	-0.0939	49	0.04	0.01	0.04	0.055
863	P065LLZ(2)	7	J-15	L-1005	100.0	mPVC	100.0	0.3263	0.4567	39	0.06	0.00	0.04	0.054
878	P236HLZ(1)	81	B-038	J-21	150.0	mPVC	100.0	-0.9451	-0.2708	44	0.05	0.00	0.05	0.054
1316	P267HLZ(1)	136	B-035	J-165	250.0	mPVC	110.0	3.9638	3.9638	53	0.08	0.01	0.08	0.054
644	P315HLZ	57	B-028a	B-028	150.0	mPVC	100.0	0.9340	0.9340	50	0.05	0.00	0.05	0.053
1317	P267HLZ(2)	18	J-165	B-034	250.0	mPVC	110.0	3.9139	3.9139	55	0.08	0.00	0.08	0.053
551	P032LLZ	125	L-035	L-036	100.0	mPVC	100.0	0.3190	0.4630	39	0.06	0.01	0.04	0.053
942	P222HLZ(2)	160	J-42	B-016	100.0	mPVC	100.0	0.3182	0.3182	47	0.04	0.01	0.04	0.052
1294	P329HLZ(1)	148	B-045a	J-157	100.0	mPVC	100.0	-0.3180	-0.0904	40	0.04	0.01	0.04	0.052
405	P268HLZ	69	B-034	B-033	250.0	mPVC	110.0	3.8739	3.8739	56	0.08	0.00	0.08	0.052
667	P297HLZ	39	B-033	T-1001	250.0	mPVC	110.0	3.8440	3.8440	58	0.08	0.00	0.08	0.051
700	P097LLZ	31	L-031	L-1050	100.0	mPVC	100.0	0.3143	0.5898	46	0.08	0.00	0.04	0.051
522	P169HLZ	184	S-035	S-036	100.0	mPVC	100.0	0.3112	0.3112	51	0.04	0.01	0.04	0.050
1089	P131LLZ(1)(2)	64	J-86	J-80	100.0	mPVC	100.0	0.3088	0.3088	42	0.04	0.00	0.04	0.050
635	P324HLZ	75	B-025a	B-023b	100.0	mPVC	100.0	0.3078	0.3078	58	0.04	0.00	0.04	0.049
900	P-27	149	J-28	J-26	100.0	mPVC	100.0	0.3048	0.3048	52	0.04	0.01	0.04	0.048
1523	P-210(2)	13	J-223	L-014	200.0	mPVC	110.0	-2.0603	-0.7200	45	0.07	0.00	0.07	0.047
574	P009LLZ	75	L-036	L-038	100.0	mPVC	100.0	0.2970	0.2970	38	0.04	0.00	0.04	0.046
1421	P-24(2)	43	J-197	J-25	150.0	mPVC	100.0	-0.8576	-0.2422	52	0.05	0.00	0.05	0.045
571	P012LLZ	80	L-039	L-037	100.0	mPVC	100.0	-0.2924	0.2497	45	0.04	0.00	0.04	0.045
666	P298HLZ	52	T-1001	B-026	250.0	mPVC	110.0	3.5706	3.5706	59	0.07	0.00	0.07	0.044
923	P013LLZ(1)	30	L-038	J-36	100.0	mPVC	100.0	0.2893	0.2955	36	0.04	0.00	0.04	0.044
553	P030LLZ	227	L-009	L-010	100.0	mPVC	100.0	0.2901	0.2901	39	0.04	0.01	0.04	0.044

	P185HLZ	116	S-030	S-029	100.0	mPVC	100.0	-0.2887	-0.0817	57	0.04	0.01	0.04	0.044
953	P-37	172	J-44	J-45	100.0	mPVC	100.0	0.2881	0.2881	46	0.04	0.01	0.04	0.043
1275	P-136	10	S-034	J-11	100.0	mPVC	100.0	0.2864	0.2864	50	0.04	0.00	0.04	0.043
513	P178HLZ	125	S-025	S-043	100.0	mPVC	100.0	0.2850	0.2850	52	0.04	0.01	0.04	0.043
686	P288HLZ	146	S-044a	S-028	100.0	mPVC	100.0	0.2756	0.2756	53	0.04	0.01	0.04	0.040
1179	P-89	90	J-107	J-105	100.0	mPVC	100.0	0.2732	0.2862	43	0.04	0.00	0.03	0.039
476	P212HLZ	262	B-002	B-009	100.0	mPVC	100.0	0.2714	0.2714	59	0.03	0.01	0.03	0.039
1093	P115LLZ(1)	71	L-007	J-87	100.0	mPVC	100.0	0.2708	0.4082	44	0.05	0.00	0.03	0.039
531	P160HLZ	37	S-008	S-009	100.0	mPVC	100.0	0.2702	0.2702	41	0.03	0.00	0.03	0.039
490	P201HLZ	11	S-038	S-037	100.0	mPVC	100.0	-0.2679	-0.0766	59	0.03	0.00	0.03	0.038
435	P253HLZ	126	B-063	B-064	100.0	mPVC	100.0	-0.2681	-0.0767	54	0.03	0.00	0.03	0.038
697	P100LLZ	88	L-1055	L-033	100.0	mPVC	100.0	0.2671	0.7616	43	0.10	0.00	0.03	0.038
968	P275HLZ(2)(2)(1)	35	J-50	J-48	250.0	mPVC	110.0	3.2693	3.2693	60	0.07	0.00	0.07	0.038
1028	P258HLZ(2)	110	J-68	B-055	100.0	mPVC	100.0	-0.2646	-0.0747	56	0.03	0.00	0.03	0.037
919	P117LLZ(1)	113	L-037	J-35	100.0	mPVC	100.0	-0.2628	0.3386	43	0.04	0.00	0.03	0.037
360	P072LLZ	63	J-272	J-274	100.0	mPVC	100.0	0.2608	0.2608	40	0.03	0.00	0.03	0.036
1091	P-66	170	L-ECO-001	J-85	100.0	mPVC	100.0	-0.2578	0.0450	41	0.03	0.01	0.03	0.035
1283	P186HLZ(2)(2)(2)	56	J-152	S-038	100.0	mPVC	100.0	-0.2580	-0.0738	58	0.03	0.00	0.03	0.035
1074	P132LLZ(1)(1)	72	L-ECO_007	J-82	100.0	mPVC	100.0	0.2553	0.2553	43	0.03	0.00	0.03	0.035
1103	P125LLZ(1)	74	L-010	J-90	100.0	mPVC	100.0	0.2543	0.2543	48	0.03	0.00	0.03	0.035
593	P344HLZ	75	S-105	S-110	100.0	mPVC	100.0	0.2518	0.2518	42	0.03	0.00	0.03	0.034
1003	P241HLZ(2)	166	J-60	B-048	100.0	mPVC	100.0	-0.2512	-0.0724	40	0.03	0.01	0.03	0.034
1156	P-80	166	L-1050	J-103	100.0	mPVC	100.0	0.2445	0.5651	45	0.07	0.01	0.03	0.032
429	P259HLZ	184	B-057	B-056	100.0	mPVC	100.0	0.2398	0.2398	50	0.03	0.01	0.03	0.031
823	P152HLZ(1)	25	S-014	J-1	150.0	mPVC	100.0	0.6905	0.6905	35	0.04	0.00	0.04	0.030
855	P186HLZ(2)(1)	42	J-12	J-13	100.0	mPVC	100.0	-0.2369	-0.0683	58	0.03	0.00	0.03	0.030
1426	P285HLZ(1)	13	B-052	J-199	150.0	mPVC	100.0	-0.6813	-0.1949	41	0.04	0.00	0.04	0.030
1002	P241HLZ(1)	39	B-049	J-60	100.0	mPVC	100.0	0.2341	0.2341	39	0.03	0.00	0.03	0.030
535	P156HLZ	207	S-017	S-018	100.0	mPVC	100.0	0.2339	0.2339	40	0.03	0.01	0.03	0.030
1152	P-79	61	L-033	B-071a	100.0	mPVC	100.0	0.2324	1.2280	40	0.16	0.00	0.03	0.029
1069	P131LLZ(2)	131	J-80	L-ECO_007	100.0	mPVC	100.0	0.2317	0.2317	44	0.03	0.00	0.03	0.029
898	P-26	88	J-26	J-27	100.0	mPVC	100.0	-0.2297	-0.0650	60	0.03	0.00	0.03	0.029
643	P316HLZ	74	B-031a	B-031b	150.0	mPVC	100.0	-0.6638	-0.1907	49	0.04	0.00	0.04	0.028
379	P283HLZ	203	B-053	B-081	100.0	mPVC	100.0	0.2243	0.2243	33	0.03	0.01	0.03	0.027
1158	P-82	158	B-071a	L-047	100.0	mPVC	100.0	0.2227	0.3602	37	0.05	0.00	0.03	0.027
891	P318HLZ(1)(2)	69	J-25	J-23	150.0	mPVC	100.0	-0.6376	-0.1786	55	0.04	0.00	0.04	0.026
359	P073LLZ	84	J-275	J-273	100.0	mPVC	100.0	-0.2118	-0.0527	39	0.03	0.00	0.03	0.025
881	P-22	137	B-031b	J-21	150.0	mPVC	100.0	-0.6101	-0.1744	49	0.03	0.00	0.03	0.024
481	P210HLZ	112	S-052	S-020	100.0	mPVC	100.0	-0.2088	-0.0594	40	0.03	0.00	0.03	0.024
1396	P-13(1)	111	J-13	P8 Low Point	100.0	mPVC	100.0	0.2048	0.2048	58	0.03	0.00	0.03	0.023
1045	P248HLZ(1)	76	B-054	J-73	100.0	mPVC	100.0	-0.2038	-0.0584	36	0.03	0.00	0.03	0.023
1063	P-62	176	B-036a	B-023b	100.0	mPVC	100.0	0.2000	0.2000	50	0.03	0.00	0.03	0.022
1278	P161HLZ(1)	57	S-010	J-151	100.0	mPVC	100.0	-0.1957	-0.0554	44	0.02	0.00	0.02	0.021
961	P275HLZ(2)(1)	8	J-47	J-48	250.0	mPVC	110.0	-2.4015	-0.6803	61	0.05	0.00	0.05	0.021
507	P184HLZ	70	S-031	S-030	100.0	mPVC	100.0	-0.1935	-0.0554	56	0.02	0.00	0.02	0.021
999	P240HLZ(1)	164	B-044	J-59	150.0	mPVC	100.0	-0.5604	-0.1588	51	0.03	0.00	0.03	0.021
1032	P-54	134	J-68	J-69	100.0	mPVC	100.0	-0.1924	-0.0553	56	0.02	0.00	0.02	0.021
1047	P-57	146	J-72	J-73	100.0	mPVC	100.0	-0.1898	-0.0541	38	0.02	0.00	0.02	0.020
403	P269HLZ	56	B-028	B-027	150.0	mPVC	100.0	0.5496	0.5496	54	0.03	0.00	0.03	0.020
982	P303HLZ(1)	64	B-064a	J-54	100.0	mPVC	100.0	-0.1883	-0.0537	57	0.02	0.00	0.02	0.020
523	P168HLZ	80	S-036	S-026	100.0	mPVC	100.0	0.1818	0.1818	54	0.02	0.00	0.02	0.019
884	P318HLZ(2)	89	J-23	B-030a	150.0	mPVC	100.0	-0.5222	-0.1461	56	0.03	0.00	0.03	0.018
624	P133LLZ	68	L-ECO-006	L-ECO_007	100.0	mPVC	100.0	0.1788	0.1788	47	0.02	0.00	0.02	0.018
970	P-39	110	J-50	J-49	200.0	mPVC	110.0	-1.2038	-0.3436	60	0.04	0.00	0.04	0.018
886	P323HLZ(1)	34	B-023a	J-24	150.0	mPVC	100.0	0.5125	0.5125	56	0.03	0.00	0.03	0.017
888	P-23	103	J-23	J-24	100.0	mPVC	100.0	-0.1753	-0.0499	56	0.02	0.00	0.02	0.017
1056	P322HLZ(1)	53	B-027	J-77	150.0	mPVC	100.0	0.5097	0.5097	55	0.03	0.00	0.03	0.017
930	P-34(1)	75	J-36	J-38	100.0	mPVC	100.0	0.1738	0.1738	37	0.02	0.00	0.02	0.017
627	P130LLZ	259	L-ECO-006	L-ECO-002	100.0	mPVC	100.0	0.1717	0.1717	47	0.02	0.00	0.02	0.017
934	P010LLZ(2)	81	J-39	L-039	100.0	mPVC	100.0	-0.1708	0.1187	46	0.02	0.00	0.02	0.017
651	P308HLZ	117	B-036	B-036a	150.0	mPVC	100.0	0.4955	0.4955	48	0.03	0.00	0.03	0.016
648	P311HLZ	62	B-038a	B-038	150.0	mPVC	100.0	-0.4950	-0.1416	44	0.03	0.00	0.03	0.016
472	P216HLZ	102	B-006	B-007	100.0	mPVC	100.0	0.1703	0.1703	55	0.02	0.00	0.02	0.016
969	P275HLZ(2)(2)(2)	27	B-026	J-50	250.0	mPVC	110.0	2.0755	2.0755	61	0.04	0.00	0.04	0.016
1274	P-135	155	J-150	J-149	100.0	mPVC	100.0	0.1669	0.1669	48	0.02	0.00	0.02	0.016
647	P312HLZ	77	B-031	B-031a	150.0	mPVC	100.0	-0.4772	-0.1358	51	0.03	0.00	0.03	0.015
858	P-14	118	S-054	J-12	100.0	mPVC	100.0	-0.1635	-0.0465	57	0.02	0.00	0.02	0.015
1061	P231HLZ(2)	52	J-78	B-029	150.0	mPVC	100.0	-0.4680	-0.1328	53	0.03	0.00	0.03	0.015
915	P011LLZ(2)	88	J-33	L-037	100.0	mPVC	100.0	0.1600	0.1600	39	0.02	0.00	0.02	0.015
825	P-1	139	A-01	J-1	100.0	mPVC	100.0	-0.1595	-0.0449	38	0.02	0.00	0.02	0.015
1082	P040LLZ(1)(2)	82	J-84	J-83	100.0	mPVC	100.0	-0.1588	-0.0508	44	0.02	0.00	0.02	0.014
980	P260HLZ(2)	89	J-53	B-065	100.0	mPVC	100.0	0.1585	0.1585	60	0.02	0.00	0.02	0.014
912	P118LLZ(2)	181	J-32	L-035	100.0	mPVC	100.0	0.1562	0.1565	46	0.07	0.00	0.02	0.014
951	P223HLZ(2)(1)	63	J-40	J-45	100.0	mPVC	100.0	-0.1561	-0.0449	51	0.02	0.00	0.02	0.014
614	P333HLZ	129	B-014a	B-015	100.0	mPVC	100.0	0.1541	0.1541	59	0.02	0.00	0.02	0.014

	P138LLZ(2)(1)	192	J-31	J-37	100.0	mPVC	100.0	0.1533	0.1884	35	0.02	0.00	0.02	0.014
1062	P-61	81	J-17	J-78	100.0	mPVC	100.0	-0.1532	-0.0427	55	0.02	0.00	0.02	0.014
421	P049LLZ	63	B-070	B-072	100.0	mPVC	100.0	-0.1495	-0.0433	35	0.02	0.00	0.02	0.013
1190	P-95	18	J-46	J-116	100.0	mPVC	100.0	0.1421	0.1421	57	0.02	0.00	0.02	0.012
590	P347HLZ	43	S-110	S-115	100.0	mPVC	100.0	0.1423	0.1423	42	0.02	0.00	0.02	0.012
875	P-20	76	J-20	B-038a	150.0	mPVC	100.0	-0.4121	-0.1183	43	0.02	0.00	0.02	0.012
719	P078LLZ	59	J-277	J-275	100.0	mPVC	100.0	-0.1409	-0.0329	39	0.02	0.00	0.02	0.011
824	P152HLZ(2)	88	J-1	S-015	150.0	mPVC	100.0	0.3929	0.3929	35	0.02	0.00	0.02	0.011
450	P238HLZ	155	B-039	B-038	150.0	mPVC	100.0	-0.3802	-0.1090	39	0.02	0.00	0.02	0.010
1286	P-140	145	J-153	S-044	100.0	mPVC	100.0	-0.1294	-0.0373	54	0.02	0.00	0.02	0.010
1172	P-86	127	J-107	L-1010	100.0	mPVC	100.0	0.1246	0.1524	43	0.02	0.00	0.02	0.009
1042	P326HLZ(2)(1)	39	J-71	J-72	100.0	mPVC	100.0	-0.1239	-0.0340	39	0.02	0.00	0.02	0.009
1075	P132LLZ(1)(2)	77	J-82	J-81	100.0	mPVC	100.0	0.1232	0.1232	43	0.02	0.00	0.02	0.009
580	P003LLZ	76	L-005	L-006	100.0	mPVC	100.0	0.1224	0.4903	40	0.06	0.00	0.02	0.009
499	P192HLZ	136	S-045	S-047	100.0	mPVC	100.0	0.1212	0.1212	54	0.02	0.00	0.02	0.009
952	P223HLZ(2)(2)	90	J-45	B-019	100.0	mPVC	100.0	-0.1205	-0.0345	51	0.02	0.00	0.02	0.009
436	P252HLZ	125	B-062	B-063	100.0	mPVC	100.0	0.1203	0.1203	59	0.02	0.00	0.02	0.009
1160	P-1(1)	59	L-1005	J-104	100.0	mPVC	100.0	-0.1187	0.1509	39	0.02	0.00	0.02	0.008
860	P-15	120	J-14	J-274	100.0	mPVC	100.0	-0.1181	-0.0331	38	0.02	0.00	0.02	0.008
560	P023LLZ	111	L-021	L-022	100.0	mPVC	100.0	0.1178	0.7115	47	0.09	0.00	0.02	0.008
1370	P-167	39	J-High School	L-016	150.0	mPVC	100.0	-0.3388	-0.2894	43	0.43	0.00	0.02	0.008
470	P218HLZ	206	B-011	B-006	100.0	mPVC	100.0	-0.1170	-0.0328	55	0.01	0.00	0.01	0.008
541	P150HLZ	135	S-015	S-016	100.0	mPVC	100.0	0.1167	0.1167	33	0.01	0.00	0.01	0.008
508	P183HLZ	33	S-032	S-031	100.0	mPVC	100.0	-0.1141	-0.0327	56	0.01	0.00	0.01	0.008
1161	P-1(2)	59	J-104	J-2	100.0	mPVC	100.0	-0.1136	0.3442	39	0.04	0.00	0.01	0.008
620	P327HLZ	145	B-049a	B-054	100.0	mPVC	100.0	-0.1139	-0.0323	36	0.01	0.00	0.01	0.008
575	P008LLZ	79	L-012	L-007	100.0	mPVC	100.0	-0.1127	0.2531	41	0.03	0.00	0.01	0.008
455	P233HLZ	74	B-029	B-028	150.0	mPVC	100.0	-0.3245	-0.0941	52	0.02	0.00	0.02	0.008
640	P319HLZ	173	B-030a	B-030	150.0	mPVC	100.0	-0.3230	-0.0902	55	0.02	0.00	0.02	0.007
867	P-17	24	J-16	J-17	150.0	mPVC	100.0	-0.3189	-0.0907	55	0.02	0.00	0.02	0.007
1397	P-13(2)	82	P8 Low Point	S-039	100.0	mPVC	100.0	0.1061	0.1061	59	0.01	0.00	0.01	0.007
649	P310HLZ	53	B-039a	B-039	150.0	mPVC	100.0	-0.3103	-0.0887	42	0.02	0.00	0.02	0.007
1300	P-146	29	J-159	J-28	100.0	mPVC	100.0	-0.1067	-0.0302	51	0.01	0.00	0.01	0.007
887	P323HLZ(2)	47	J-24	B-023	150.0	mPVC	100.0	0.2972	0.2972	56	0.02	0.00	0.02	0.006
682	P113LLZ	99	B-072	B-071a	100.0	mPVC	100.0	0.1000	0.1010	34	0.11	0.00	0.01	0.006
1185	P-92	147	J-104	J-105	100.0	mPVC	100.0	-0.0997	-0.0350	39	0.03	0.00	0.01	0.006
438	P250HLZ	63	B-052	B-051	150.0	mPVC	100.0	-0.2882	-0.0832	41	0.02	0.00	0.02	0.006
510	P181HLZ	63	S-045	S-046	100.0	mPVC	100.0	0.0996	0.0996	54	0.01	0.00	0.01	0.006
865	P-16	45	B-030a	J-16	150.0	mPVC	100.0	-0.2890	-0.0820	55	0.02	0.00	0.02	0.006
1376	P-169	46	S-NEIGHBOURHOODCENTRE	S-055	150.0	mPVC	100.0	-0.2812	-0.1900	38	0.03	0.00	0.02	0.006
357	P075LLZ	80	J-274	J-276	100.0	mPVC	100.0	0.0954	0.0954	40	0.01	0.00	0.01	0.006
839	P196HLZ(1)	38	S-018	J-7	100.0	mPVC	100.0	0.0958	0.0958	44	0.01	0.00	0.01	0.006
615	P332HLZ	75	B-014	B-014a	100.0	mPVC	100.0	-0.0958	-0.0277	60	0.01	0.00	0.01	0.006
1404	P-175	80	J-192	B-055	150.0	mPVC	100.0	-0.2754	-0.0798	52	0.02	0.00	0.02	0.006
638	P321HLZ	80	B-025a	B-025	150.0	mPVC	100.0	-0.2719	-0.0806	58	0.02	0.00	0.02	0.005
468	P220HLZ	152	B-012	B-014	100.0	mPVC	100.0	0.0943	0.0943	62	0.01	0.00	0.01	0.005
890	P318HLZ(1)(1)	60	B-022	J-25	150.0	mPVC	100.0	0.2599	0.2599	57	0.01	0.00	0.01	0.005
582	P001LLZ	28	L-016	L-SCHOOL	150.0	mPVC	100.0	0.2592	5.6708	44	0.32	0.00	0.01	0.005
1090	P-65	166	J-86	L-ECO-008	100.0	mPVC	100.0	-0.0895	0.0094	42	0.01	0.00	0.01	0.005
1058	P-60	76	J-76	J-77	150.0	mPVC	100.0	-0.2556	-0.0741	55	0.01	0.00	0.01	0.005
975	P291HLZ(1)	4	B-058a	J-52	100.0	mPVC	100.0	0.1084	0.1084	58	0.01	0.00	0.01	0.005
619	P328HLZ	47	B-045	B-045a	150.0	mPVC	100.0	-0.2461	-0.0694	40	0.01	0.00	0.01	0.005
1060	P231HLZ(1)	57	B-030	J-78	150.0	mPVC	100.0	-0.2449	-0.0698	54	0.01	0.00	0.01	0.005
872	P265HLZ(2)	61	J-19	B-032	150.0	mPVC	100.0	0.2452	0.2452	50	0.01	0.00	0.01	0.004
1269	P167HLZ(2)(1)	15	J-148	J-149	100.0	mPVC	100.0	-0.0790	-0.0223	51	0.01	0.00	0.01	0.004
972	P367LLZIRRIG(1)(1)(1)	91	T-1001	J-51	150.0	mPVC	100.0	0.2435	0.2435	59	0.01	0.00	0.01	0.004
1101	P031LLZ(1)(2)	122	J-89	J-88	100.0	mPVC	100.0	-0.0827	0.1891	41	0.02	0.00	0.01	0.004
424	P046LLZ	198	B-070	B-078	100.0	mPVC	100.0	0.0797	0.0797	35	0.01	0.00	0.01	0.004
1011	P-48	169	J-61	J-62	100.0	mPVC	100.0	-0.0789	-0.0236	41	0.01	0.00	0.01	0.004
1000	P240HLZ(2)	55	J-59	B-045	150.0	mPVC	100.0	-0.2281	-0.0642	43	0.01	0.00	0.01	0.004
1057	P322HLZ(2)	29	J-77	B-023a	150.0	mPVC	100.0	0.2042	0.2042	56	0.01	0.00	0.01	0.003
914	P011LLZ(1)	36	L-036	J-33	100.0	mPVC	100.0	-0.0729	0.5096	38	0.06	0.00	0.01	0.003
451	P237HLZ	238	B-030	B-032	150.0	mPVC	100.0	-0.2079	-0.0580	54	0.01	0.00	0.01	0.003
927	P138LLZ(2)(2)	8	J-37	L-040a	100.0	mPVC	100.0	0.0751	0.1017	40	0.01	0.00	0.01	0.003
1079	P-63	163	J-83	J-82	100.0	mPVC	100.0	0.0710	0.0710	45	0.01	0.00	0.01	0.003
456	P232HLZ	67	B-031	B-029	150.0	mPVC	100.0	0.2033	0.2033	51	0.01	0.00	0.01	0.003
501	P190HLZ	186	S-002	S-003	100.0	mPVC	100.0	0.0694	0.0694	52	0.01	0.00	0.01	0.003
848	P-11	18	J-9	J-8	100.0	mPVC	100.0	-0.0697	-0.0201	48	0.01	0.00	0.01	0.003
1054	P-59	12	J-17	J-76	150.0	mPVC	100.0	-0.2057	-0.0596	55	0.01	0.00	0.01	0.003
509	P182HLZ	29	S-033	S-032	100.0	mPVC	100.0	-0.0663	-0.0180	55	0.01	0.00	0.01	0.003
650	P309HLZ	251	B-032	B-039a	150.0	mPVC	100.0	-0.1922	-0.0545	50	0.01	0.00	0.01	0.003
1387	P-174	20	J-188	J-155	100.0	mPVC	100.0	0.0697	0.0697	56	0.01	0.00	0.01	0.003
1188	P-94	59	B-019	J-115	100.0	mPVC	100.0	0.0631	0.0631	55	0.01	0.00	0.01	0.003
871	P265HLZ(1)	70	B-031	J-19	150.0	mPVC	100.0	0.1841	0.1841	51	0.01	0.00	0.01	0.003
1272	P165HLZ(1)	50	S-011	J-150	100.0	mPVC	100.0	-0.0632	-0.0176	46	0.01	0.00	0.01	0.003

1301	P-19	205	J-19	J-20	150.0	mPVC	100.0	-0.1709	-0.0482	50	0.01	0.00	0.01	0.002
933	P-147	58	L-ECO-004	J-80	100.0	mPVC	100.0	0.0542	0.0576	45	0.01	0.00	0.01	0.002
642	P010LLZ(1)	62	L-040	J-39	100.0	mPVC	100.0	-0.0553	0.0614	46	0.01	0.00	0.01	0.002
720	P317HLZ	65	B-031b	B-028a	150.0	mPVC	100.0	-0.1535	-0.0452	49	0.01	0.00	0.01	0.002
655	P077LLZ	83	L-043	J-277	100.0	mPVC	100.0	-0.0464	-0.0117	38	0.01	0.00	0.01	0.002
585	P304HLZ	55	S-013	S-027a	100.0	mPVC	100.0	0.0463	0.0463	54	0.01	0.00	0.01	0.002
1052	P350HLZ	79	S-042	S-024	100.0	mPVC	100.0	0.0468	0.0468	50	0.01	0.00	0.01	0.002
1081	P-58	31	J-75	S-015	150.0	mPVC	100.0	-0.1381	-0.0389	34	0.01	0.00	0.01	0.002
639	P040LLZ(1)(1)	19	L-ECO-003	J-84	100.0	mPVC	100.0	-0.0463	-0.0162	44	0.01	0.00	0.01	0.002
921	P320HLZ	127	B-036a	B-025a	150.0	mPVC	100.0	0.1357	0.1357	50	0.01	0.00	0.01	0.001
987	P-33	44	J-35	J-34	100.0	mPVC	100.0	0.0474	0.0474	46	0.01	0.00	0.01	0.001
1155	P284HLZ(2)	7	J-55	B-050	100.0	mPVC	100.0	-0.0241	-0.0079	43	0.00	0.00	0.00	0.001
482	P144LLZ(2)	37	J-103	B-074	100.0	mPVC	100.0	0.0399	0.0399	40	0.01	0.00	0.01	0.001
1508	P209HLZ	61	S-054	S-041	100.0	mPVC	100.0	0.0409	0.0409	57	0.01	0.00	0.01	0.001
1072	P219HLZ(1)	61	B-007	J-221	100.0	mPVC	100.0	0.0366	0.0366	57	0.00	0.00	0.00	0.001
1157	P132LLZ(2)	82	J-81	L-ECO-002	100.0	mPVC	100.0	-0.0390	-0.0090	43	0.00	0.00	0.00	0.001
484	P-81	142	L-022	L-024	100.0	mPVC	100.0	0.0381	0.6833	44	0.09	0.00	0.00	0.001
1043	P207HLZ	81	S-033	S-041	100.0	mPVC	100.0	0.0365	0.0365	55	0.00	0.00	0.00	0.001
475	P326HLZ(2)(2)	76	J-72	B-049a	100.0	mPVC	100.0	-0.0359	-0.0096	38	0.00	0.00	0.00	0.001
1186	P213HLZ	118	B-009	B-003	100.0	mPVC	100.0	0.0326	0.0326	53	0.00	0.00	0.00	0.001
1303	P-93	24	J-105	J-106	100.0	mPVC	100.0	0.0318	0.0318	42	0.00	0.00	0.00	0.001
1296	P-148	12	J-160	B-049a	100.0	mPVC	100.0	-0.0360	-0.0105	36	0.00	0.00	0.00	0.001
949	P-144	25	J-156	J-157	100.0	mPVC	100.0	-0.0360	-0.0105	36	0.00	0.00	0.00	0.001
1170	P222HLZ(1)(2)	68	J-44	J-42	100.0	mPVC	100.0	-0.0303	-0.0084	46	0.00	0.00	0.00	0.001
485	P-84	70	J-109	J-108	100.0	mPVC	100.0	0.0320	0.0320	44	0.00	0.00	0.00	0.001
924	P206HLZ	100	S-039	S-040	100.0	mPVC	100.0	0.0312	0.0312	59	0.00	0.00	0.00	0.001
608	P013LLZ(2)	126	J-36	L-039	100.0	mPVC	100.0	-0.0268	0.1578	37	0.02	0.00	0.00	0.001
473	P139LLZ	179	L-040a	L-040	100.0	mPVC	100.0	0.0277	0.0852	40	0.01	0.00	0.00	0.001
1443	P215HLZ	34	B-004	B-010	100.0	mPVC	100.0	0.0239	0.0239	57	0.00	0.00	0.00	0.001
1154	P-77(2)	124	J-205	L-019	100.0	mPVC	100.0	0.0250	0.0281	49	0.28	0.00	0.00	0.001
1298	P144LLZ(1)	90	L-033	J-103	100.0	mPVC	100.0	-0.0252	-0.0152	40	0.06	0.00	0.00	0.001
1374	P-145	37	J-158	B-054	100.0	mPVC	100.0	-0.0240	-0.0070	36	0.00	0.00	0.00	0.000
544	P122LLZ(2)	19	J-184	T-1010	200.0	mPVC	110.0	-0.0840	-0.0710	44	0.35	0.00	0.00	0.000
486	P039LLZ	174	L-ECO-002	L-ECO-003	100.0	mPVC	100.0	0.0253	0.0253	42	0.00	0.00	0.00	0.000
356	P205HLZ	117	S-054	S-039	100.0	mPVC	100.0	0.0239	0.0239	57	0.00	0.00	0.00	0.000
718	P076LLZ	158	J-276	L-043	100.0	mPVC	100.0	0.0245	0.0245	40	0.00	0.00	0.00	0.000
361	P079LLZ	120	J-276	J-277	100.0	mPVC	100.0	-0.0236	-0.0013	40	0.00	0.00	0.00	0.000
498	P071LLZ	123	J-272	J-273	100.0	mPVC	100.0	-0.0235	0.0365	40	0.00	0.00	0.00	0.000
1442	P193HLZ	125	S-047	S-032	100.0	mPVC	100.0	0.0216	0.0216	54	0.00	0.00	0.00	0.000
817	P-77(1)	53	L-027a	J-205	100.0	mPVC	100.0	0.0250	0.0281	49	0.28	0.00	0.00	0.000
984	P-1	88	S-016	A-01	100.0	mPVC	100.0	-0.0214	-0.0060	35	0.00	0.00	0.00	0.000
657	P-41	159	J-53	J-54	100.0	mPVC	100.0	0.0199	0.0199	60	0.00	0.00	0.00	0.000
1279	P302HLZ	96	B-065	B-064a	100.0	mPVC	100.0	0.0198	0.0198	59	0.00	0.00	0.00	0.000
1270	P161HLZ(2)	108	J-151	S-034	100.0	mPVC	100.0	0.0196	0.0196	46	0.00	0.00	0.00	0.000
876	P167HLZ(2)(2)	74	J-149	S-036	100.0	mPVC	100.0	-0.0207	-0.0048	52	0.00	0.00	0.00	0.000
483	P-21	75	B-039a	J-20	150.0	mPVC	100.0	-0.0615	-0.0179	42	0.00	0.00	0.00	0.000
1549	P208HLZ	195	S-041	S-040	100.0	mPVC	100.0	0.0181	0.0181	56	0.00	0.00	0.00	0.000
1083	P084LLZ(2)(2)	84	P-14 DemandB	L-019	100.0	mPVC	100.0	0.0148	2.1831	50	0.28	0.00	0.00	0.000
471	P-64	136	J-84	J-81	100.0	mPVC	100.0	0.0169	0.0169	44	0.00	0.00	0.00	0.000
1407	P217HLZ	100	B-007	B-011	100.0	mPVC	100.0	0.0143	0.0143	57	0.00	0.00	0.00	0.000
1373	P261HLZ(2)	72	P9 Low Point	B-066	100.0	mPVC	100.0	0.0139	0.0139	62	0.00	0.00	0.00	0.000
646	P122LLZ(1)	294	T-1005	J-184	200.0	mPVC	110.0	-0.0840	-0.0710	41	0.35	0.00	0.00	0.000
414	P313HLZ	108	B-031a	B-038a	150.0	mPVC	100.0	0.0368	0.0368	49	0.00	0.00	0.00	0.000
462	P262HLZ	122	B-042	B-041	250.0	mPVC	110.0	-0.1018	-0.0295	45	0.00	0.00	0.00	0.000
354	P226HLZ	142	B-024	B-021	100.0	mPVC	100.0	-0.0024	0.0016	59	0.00	0.00	0.00	0.000
355	PRV-2-A	2	823-A	PRV-2	250.0	mPVC	110.0	0.0000	0.0000	39	0.00	0.00	0.00	0.000
382	PRV-2-B	3	PRV-2	823-B	250.0	mPVC	110.0	0.0000	0.0000	38	0.00	0.00	0.00	0.000
383	P281HLZ	39	823-B	B-079	250.0	mPVC	110.0	0.0000	0.0001	38	0.00	0.00	0.00	0.000
384	P280HLZ	154	B-079	B-042	250.0	mPVC	110.0	-0.0399	-0.0116	40	0.00	0.00	0.00	0.000
385	P279HLZ	87	TeviotRdConnection1	823-A	250.0	mPVC	110.0	0.0060	0.0060	0	0.00	0.00	0.00	0.000
410	P366LLZIRRIG	15	L-SCHOOL	I-SCHOOL	150.0	mPVC	100.0	0.0000	5.4000	44	0.31	0.00	0.00	0.000
500	P264HLZ	34	B-039	B-040	150.0	mPVC	100.0	0.0200	0.0200	39	0.00	0.00	0.00	0.000
556	P191HLZ	37	S-003	B-066	100.0	mPVC	100.0	0.0000	0.0000	60	0.00	0.00	0.00	0.000
661	P027LLZ	119	L-042	L-044	100.0	mPVC	100.0	-0.0050	0.1148	39	0.01	0.00	0.00	0.000
725	P123LLZ	4	T-1005	L-SPORT&RECCLUBHOUSE	150.0	mPVC	100.0	0.0840	10.8880	41	0.62	0.00	0.00	0.000
827	P367LLZIRRIG(2)	128	J-1	T-1005	200.0	mPVC	110.0	0.0000	0.0000	41	0.00	0.00	0.00	0.000
829	P-2	26	A-01	J-2	100.0	mPVC	100.0	0.0000	0.0000	38	0.00	0.00	0.00	0.000
831	P-3	27	J-3	S-016	100.0	mPVC	100.0	0.0000	0.0000	36	0.00	0.00	0.00	0.000
833	P-4	41	S-017	J-4	100.0	mPVC	100.0	0.0000	0.0000	40	0.00	0.00	0.00	0.000
852	P-5	137	S-120	J-5	100.0	mPVC	100.0	0.0000	0.0000	39	0.00	0.00	0.00	0.000
907	P186HLZ(1)	49	S-030	J-12	100.0	mPVC	100.0	-0.0141	-0.0050	57	0.00	0.00	0.00	0.000
931	P138LLZ(1)	33	L-038	J-31	100.0	mPVC	100.0	-0.0041	-0.0035	36	0.05	0.00	0.00	0.000
935	P-34(2)	71	J-38	J-37	100.0	mPVC	100.0	-0.0070	-0.0028	38	0.01	0.00	0.00	0.000
937	P-35	162	J-38	J-39	100.0	mPVC	100.0	0.0030	0.0907	38	0.01	0.00	0.00	0.000
937	P223HLZ(1)	5	B-016	J-40	150.0	mPVC	100.0	-0.0574	-0.0170	51	0.00	0.00	0.00	0.000

	P-76	189	I-SPORT&RECPARK	J-101	200.0	mPVC	120.0	0.0000	0.0000	48	0.34	0.00	0.00	0.000
1305	P-149	62	S-019	J-161	100.0	mPVC	100.0	0.0000	0.0000	41	0.00	0.00	0.00	0.000
1329	P-157	18	J-1	J-AFL maintenance shed	150.0	mPVC	100.0	0.0000	0.0000	41	0.00	0.00	0.00	0.000
1368	P-166	20	J-180	J-181	100.0	mPVC	100.0	0.0000	0.0000	59	0.00	0.00	0.00	0.000
1375	P-168	4	J-184	J-Primary School	200.0	mPVC	110.0	0.0000	0.0000	44	0.00	0.00	0.00	0.000
1406	P261HLZ(1)	29	B-065	P9 Low Point	100.0	mPVC	100.0	0.0139	0.0139	59	0.00	0.00	0.00	0.000
1467	P-189	13	J-High School	I-High School	150.0	mPVC	100.0	0.0000	7.2400	43	0.41	0.00	0.00	0.000
1499	P-202	6	L-SPORT&RECCCLUBHOUSE	I-Sport and Rec Irrigation Node	150.0	Ductile Iron	100.0	0.0000	10.8000	39	0.61	0.00	0.00	0.000
1552	P-142(2)	36	J-227	S-044a	100.0	mPVC	100.0	0.0000	0.0000	55	0.00	0.00	0.00	0.000
1555	P-143(2)	40	J-228	S-046	100.0	mPVC	100.0	0.0000	0.0000	54	0.00	0.00	0.00	0.000
1558	P-153(2)	37	J-229	S-047	100.0	mPVC	100.0	0.0000	0.0000	55	0.00	0.00	0.00	0.000
584	P351HLZ	43	S-033	B-075	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
601	P336HLZ	41	B-066	B-067	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
944	P294HLZ(1)	111	B-015	J-43	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1134	P-73	28	J-98	B-010	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1509	P219HLZ(2)	28	J-221	B-008	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1512	P-207	177	J-49	J-1	200.0	mPVC	110.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1551	P-142(1)	28	B-068a	J-227	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1554	P-143(1)	25	B-068b	J-228	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1557	P-153(1)	22	J-164	J-229	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)

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Scenario: Fire Fighting Flow
Current Time Step: 15.500 h
FlexTable: Pipe Table

ID	Label	Length (Scaled) (m)	Start Node	Stop Node	Diameter (mm)	Material	Hazen- Williams C	Flow (L/s)	Flow (Maximum) (L/s)	Pressure (Start) (m H2O)	Velocity (Maximum) (m/s)	Headloss (m)	Velocity (m/s)	Headloss Gradient (m/km)
569	P014LLZ	67	L-013	L-018	100.0	mPVC	100.0	9.0176	9.0176	45	1.15	1.72	1.15	25.578
714	P083LLZ	257	L-018	L-1085	100.0	mPVC	100.0	8.9875	8.9875	45	1.14	6.52	1.14	25.420
1148	P084LLZ(1)	47	L-1085	P14 - Low Point	100.0	mPVC	100.0	8.9347	8.9347	42	1.14	1.19	1.14	25.144
1442	P-77(1)	53	L-027a	J-205	100.0	mPVC	100.0	7.2982	7.2982	45	0.93	0.91	0.93	17.287
1443	P-77(2)	124	J-205	L-019	100.0	mPVC	100.0	7.2982	7.2982	44	0.93	2.15	0.93	17.287
1549	P084LLZ(2)(2)	84	P-14 DemandB	L-019	100.0	mPVC	100.0	-7.2680	2.1831	42	0.93	1.45	0.93	17.155
1548	P084LLZ(2)(1)	106	P14 - Low Point	P-14 DemandB	100.0	mPVC	100.0	-6.1832	2.6457	41	0.80	1.35	0.79	12.716
1527	P-210(1)(2)	7	PRV-8	J-223	100.0	mPVC	100.0	-6.0631	-0.7200	53	0.77	0.08	0.77	12.263
1526	P-210(1)(1)	140	L-027	PRV-8	100.0	mPVC	100.0	-6.0631	-0.7200	44	0.77	1.72	0.77	12.263
706	P091LLZ	117	L-027	L-027a	100.0	mPVC	100.0	6.0631	6.0631	44	0.77	1.44	0.77	12.263
685	P110LLZ	93	B-068a	B-068	100.0	mPVC	100.0	-4.0457	1.8575	33	0.52	0.54	0.52	5.797
683	P112LLZ	64	B-068b	B-068a	100.0	mPVC	100.0	-3.9398	1.8979	31	0.50	0.35	0.50	5.519
684	P111LLZ	42	B-069	B-068b	100.0	mPVC	100.0	-3.9020	1.9123	32	0.50	0.23	0.50	5.421
1313	P047LLZ(2)	33	J-164	B-069	100.0	mPVC	100.0	-3.8566	1.9296	31	0.49	0.17	0.49	5.305
1312	P047LLZ(1)	151	B-075	J-164	100.0	mPVC	100.0	-3.7810	1.9585	31	0.48	0.77	0.48	5.114
1481	P-196	42	J-231	B-076	100.0	mPVC	100.0	3.7205	3.7205	31	0.47	0.21	0.47	4.964
1480	P-195	38	B-075	J-231	100.0	mPVC	100.0	3.7205	3.7205	31	0.47	0.19	0.47	4.963
1361	P143LLZ(1)	25	B-076	J-179	100.0	mPVC	100.0	2.2398	2.2398	33	0.29	0.05	0.29	1.939
1362	P143LLZ(2)	62	J-179	L-047	100.0	mPVC	100.0	2.2020	2.2020	34	0.28	0.12	0.28	1.879
550	P033LLZ	310	RoundMt	L-001	250.0	mPVC	110.0	26.8154	39.7513	0	0.81	0.58	0.55	1.859
1141	P-74	100	L-001	L-002	250.0	mPVC	110.0	26.7611	39.7260	42	0.81	0.18	0.55	1.852
1139	P028LLZ(1)	24	L-002	J-100	250.0	mPVC	110.0	22.3192	35.0087	42	0.71	0.03	0.45	1.323
1410	P-43(2)	81	J-194	B-082	100.0	mPVC	100.0	1.8200	2.4020	37	0.31	0.11	0.23	1.320
1122	P037LLZ(2)	145	J-95	L-041	250.0	mPVC	110.0	21.5089	37.2919	43	0.76	0.18	0.44	1.236
545	P038LLZ	133	L-041	L-013	250.0	mPVC	110.0	21.4637	37.2709	47	0.76	0.16	0.44	1.231
664	P121LLZ	130	T-1010	L-015	150.0	mPVC	100.0	5.0788	11.4505	43	0.65	0.16	0.29	1.226
568	P015LLZ	25	L-015	L-016	150.0	mPVC	100.0	5.0788	11.4505	43	0.65	0.03	0.29	1.226
417	P053LLZ	65	L-024	L-047	100.0	mPVC	100.0	-1.7414	0.9723	35	0.22	0.08	0.22	1.217
1140	P028LLZ(2)	126	J-100	L-045	250.0	mPVC	110.0	20.8821	33.1444	42	0.68	0.15	0.43	1.170
1121	P037LLZ(1)	7	L-045	J-95	250.0	mPVC	110.0	20.4892	34.1665	43	0.70	0.01	0.42	1.130
1529	P042LLZ(2)(1)	145	J-101	PRV-9	200.0	mPVC	110.0	11.2815	23.2022	43	0.74	0.16	0.36	1.109
1530	P042LLZ(2)(2)	54	PRV-9	L-014	200.0	mPVC	110.0	11.2815	23.2022	43	0.74	0.06	0.36	1.109
1309	P-152	10	J-56	J-74	200.0	mPVC	110.0	-10.7864	-4.0725	37	0.45	0.01	0.34	1.021
548	P035LLZ	50	L-002	L-003	150.0	mPVC	100.0	4.4148	4.7047	42	0.27	0.05	0.25	0.945
418	P052LLZ	55	B-073	B-076	100.0	mPVC	100.0	-1.4580	0.7094	32	0.19	0.05	0.19	0.876
1152	P-79	61	L-033	B-071a	100.0	mPVC	100.0	-1.4572	1.2280	36	0.19	0.05	0.19	0.875
1542	P002LLZ(2)	43	J-225	L-017	150.0	mPVC	100.0	4.1592	4.1592	40	0.24	0.04	0.24	0.847
1541	P002LLZ(1)	132	L-016	J-225	150.0	mPVC	100.0	4.1592	4.1592	42	0.24	0.11	0.24	0.847
1477	P-193	25	B-067	J-230	150.0	mPVC	100.0	-4.1441	1.8200	38	0.23	0.02	0.23	0.841
1478	P-194	27	J-230	L-017	150.0	mPVC	100.0	-4.1441	1.8200	39	0.23	0.02	0.23	0.841
1563	P044LLZ(1)	28	B-068	PRV-11	150.0	mPVC	100.0	-4.1289	1.8258	37	0.23	0.02	0.23	0.835
1564	P044LLZ(2)	31	PRV-11	B-067	150.0	mPVC	100.0	-4.1289	1.8258	38	0.23	0.03	0.23	0.835
352	PRV-3-B	7	PRV-3	1227-B	250.0	mPVC	110.0	17.2948	22.5020	28	0.46	0.01	0.35	0.825
351	PRV-3-A	6	PRV-3	PRV-3	250.0	mPVC	110.0	17.2948	22.5020	28	0.46	0.01	0.35	0.825
597	P340HLZ	116	TeviotRoadConnection2	1227-A	250.0	mPVC	110.0	17.2948	22.5020	0	0.46	0.10	0.35	0.825
596	P341HLZ	29	1227-B	S-055	250.0	mPVC	110.0	17.2948	22.5020	28	0.46	0.02	0.35	0.825
1336	P337HLZ(2)(1)	175	J-74	J-173	250.0	mPVC	110.0	-16.8312	-6.3433	37	0.45	0.14	0.34	0.785
1337	P337HLZ(2)(2)	175	J-173	S-055	250.0	mPVC	110.0	-16.8312	-6.3433	36	0.45	0.14	0.34	0.785
1142	P-75	42	L-034	J-100	100.0	mPVC	100.0	-1.3740	-0.3971	41	0.23	0.03	0.17	0.785
419	P051LLZ	102	B-072	B-073	100.0	mPVC	100.0	-1.3143	0.7642	31	0.17	0.07	0.17	0.723
1353	P-49(2)	106	J-177	J-56	200.0	mPVC	110.0	-8.9245	-3.3694	43	0.37	0.08	0.28	0.719
1259	P342HLZ(1)	50	S-004	J-146	100.0	mPVC	100.0	1.3092	1.7288	37	0.22	0.04	0.17	0.717
1119	P006LLZ(2)(2)(2)	150	J-94	L-003	100.0	mPVC	100.0	-1.3089	-0.3038	43	0.20	0.11	0.17	0.717
1352	P-49(1)	52	B-077	J-177	200.0	mPVC	110.0	-8.8509	-3.3417	44	0.37	0.04	0.28	0.708
611	P136LLZ	150	L-034	L-034a	100.0	mPVC	100.0	1.2484	1.7773	41	0.23	0.10	0.16	0.657
1112	P004LLZ(1)(2)	25	J-92	J-91	100.0	mPVC	100.0	1.2440	1.5136	36	0.19	0.02	0.16	0.653
707	P090LLZ	31	L-027a	L-028	100.0	mPVC	100.0	-1.2351	3.0620	45	0.39	0.02	0.16	0.644
682	P113LLZ	99	B-072	B-071a	100.0	mPVC	100.0	1.1403	1.1403	31	0.15	0.05	0.15	0.555
561	P022LLZ	79	L-028	L-031	100.0	mPVC	100.0	-1.1093	1.3903	45	0.18	0.04	0.14	0.528
1024	P-52	87	J-67	B-077	150.0	mPVC	100.0	-3.1279	-1.1799	48	0.23	0.04	0.18	0.499
1111	P004LLZ(1)(1)	51	L-004	J-92	100.0	mPVC	100.0	1.0760	1.2157	35	0.15	0.03	0.14	0.499
1123	P-71	64	J-94	J-95	100.0	mPVC	100.0	1.0738	3.1864	43	0.41	0.03	0.14	0.497
1132	P005LLZ(1)(1)	58	L-003	J-98	150.0	mPVC	100.0	3.0334	3.0886	39	0.17	0.03	0.17	0.472
376	P286HLZ	66	B-082	B-080	100.0	mPVC	100.0	1.0411	1.3739	34	0.17	0.03	0.13	0.469

1133	P005LLZ(1)(2)	54	J-98	J-96	150.0	mPVC	100.0	3.0063	3.0760	36	0.17	0.02	0.17	0.464
1424	P153HLZ(1)(2)	38	J-198	J-6	100.0	mPVC	100.0	1.0322	1.3640	36	0.17	0.02	0.13	0.462
480	P041LLZ	231	L-013	P14 Demand A	250.0	mPVC	110.0	12.4235	34.5227	45	0.70	0.10	0.25	0.447
534	P157HLZ	45	S-027	S-026	100.0	mPVC	100.0	-0.9559	-0.3594	54	0.16	0.02	0.12	0.401
370	P062LLZ	77	L-024	J-269	100.0	mPVC	100.0	0.9248	0.9248	35	0.12	0.03	0.12	0.377
1505	P-205	53	P14 Demand A	J-101	250.0	mPVC	110.0	11.3117	34.0162	44	0.69	0.02	0.23	0.376
540	P151HLZ	58	S-006	S-007	100.0	mPVC	100.0	0.9132	1.2064	39	0.15	0.02	0.12	0.368
992	P-44	27	J-57	B-037	150.0	mPVC	100.0	2.6275	3.4675	51	0.20	0.01	0.15	0.362
1130	P-72	122	J-96	J-97	100.0	mPVC	100.0	0.8964	1.0026	34	0.13	0.04	0.11	0.356
532	P159HLZ	21	S-007	S-008	100.0	mPVC	100.0	0.8908	1.1768	40	0.15	0.01	0.11	0.352
1523	P-210(2)	13	J-223	L-014	200.0	mPVC	110.0	-6.0631	-0.7200	43	0.19	0.00	0.19	0.351
1049	P337HLZ(1)	25	S-100	J-74	200.0	mPVC	110.0	-6.0448	-2.2708	37	0.25	0.01	0.19	0.349
599	P338HLZ	21	S-001	S-100	200.0	mPVC	110.0	-6.0343	-2.2669	38	0.25	0.01	0.19	0.348
366	P066LLZ	76	J-269	L-1020	100.0	mPVC	100.0	0.8802	0.8802	35	0.11	0.03	0.11	0.344
554	P029LLZ	126	L-004	L-009	100.0	mPVC	100.0	0.8709	0.9400	35	0.12	0.04	0.11	0.337
1023	P-51	42	B-055b	J-67	100.0	mPVC	100.0	-0.8584	-0.3245	47	0.14	0.01	0.11	0.328
583	P148HLZ	81	B-041	B-043	200.0	mPVC	110.0	-5.7974	-2.1866	51	0.24	0.03	0.18	0.323
659	P300HLZ	63	B-021a	B-018	100.0	mPVC	100.0	0.8355	1.1044	51	0.14	0.02	0.11	0.312
390	P277HLZ	62	B-051	B-077	200.0	mPVC	110.0	-5.6810	-2.1460	44	0.24	0.02	0.18	0.311
1260	P342HLZ(2)	77	J-146	S-105	100.0	mPVC	100.0	0.8323	1.0991	40	0.14	0.02	0.11	0.310
439	P249HLZ	107	B-051	B-046	200.0	mPVC	110.0	5.3679	7.0846	44	0.23	0.03	0.17	0.280
1157	P-81	142	L-022	L-024	100.0	mPVC	100.0	-0.7863	0.6833	40	0.10	0.04	0.10	0.279
503	P188HLZ	363	S-001	S-002	100.0	mPVC	100.0	0.7829	1.0340	38	0.13	0.10	0.10	0.277
808	P067LLZ(1)	68	L-1020	J-2	100.0	mPVC	100.0	0.7820	0.7820	36	0.10	0.02	0.10	0.276
697	P100LLZ	88	L-1055	L-033	100.0	mPVC	100.0	-0.7697	0.7616	39	0.10	0.02	0.10	0.268
520	P171HLZ	91	S-004	S-001	200.0	mPVC	110.0	-5.2228	-1.9616	37	0.22	0.02	0.17	0.266
1524	P-211	64	T-1010	L-014	200.0	mPVC	110.0	-5.2109	-1.3431	43	0.71	0.02	0.17	0.265
1025	P-53	57	J-67	J-66	150.0	mPVC	100.0	2.2169	2.9267	48	0.17	0.02	0.13	0.264
1349	P149HLZ(2)	102	S-005	J-176	150.0	mPVC	100.0	2.1491	2.8379	37	0.16	0.03	0.12	0.249
1348	P149HLZ(1)	31	J-176	S-006	150.0	mPVC	100.0	2.1265	2.8080	38	0.16	0.01	0.12	0.244
560	P023LLZ	111	L-021	L-022	100.0	mPVC	100.0	-0.7258	0.7115	43	0.09	0.03	0.09	0.241
976	P291HLZ(2)	59	J-52	B-058	100.0	mPVC	100.0	-0.7188	-0.2710	58	0.12	0.01	0.09	0.236
1151	P-78	62	L-031	L-1055	100.0	mPVC	100.0	-0.7167	0.7863	42	0.10	0.01	0.09	0.235
1108	P004LLZ(2)	39	J-91	L-005	100.0	mPVC	100.0	0.7156	0.7686	36	0.10	0.01	0.09	0.234
1085	P134LLZ(1)	78	L-008a	J-85	100.0	mPVC	100.0	0.7149	0.9724	48	0.12	0.02	0.09	0.234
1415	P-177	56	J-96	B-008	150.0	mPVC	100.0	2.0646	2.0646	34	0.12	0.01	0.12	0.231
610	P137LLZ	64	L-034a	L-035	100.0	mPVC	100.0	0.7090	1.0992	37	0.14	0.01	0.09	0.230
1114	P006LLZ(2)(1)	64	J-79	J-93	100.0	mPVC	100.0	-0.6919	0.5653	43	0.16	0.01	0.09	0.220
660	P299HLZ	88	B-021	B-021a	100.0	mPVC	100.0	0.6913	0.9139	55	0.12	0.02	0.09	0.220
437	P251HLZ	109	B-064	B-061	100.0	mPVC	100.0	-0.6878	-0.2592	49	0.12	0.02	0.09	0.218
1414	P-176	32	B-008	L-004	150.0	mPVC	100.0	1.9922	2.0186	34	0.11	0.01	0.11	0.217
441	P247HLZ	88	B-050	B-052	100.0	mPVC	100.0	-0.6823	-0.2583	43	0.11	0.02	0.09	0.215
630	P127LLZ	103	L-010a	L-ECO-005	100.0	mPVC	100.0	0.6794	0.8663	42	0.11	0.02	0.09	0.213
653	P306HLZ	47	S-008	S-008a	100.0	mPVC	100.0	0.6791	0.8968	42	0.11	0.01	0.09	0.213
1418	P296HLZ(2)	79	J-196	B-002	100.0	mPVC	100.0	0.6698	0.8843	62	0.11	0.02	0.09	0.207
1034	P244HLZ(1)	33	B-046	J-70	200.0	mPVC	110.0	4.4650	5.8939	49	0.19	0.01	0.14	0.199
1340	P282HLZ(1)	37	B-080	J-174	100.0	mPVC	100.0	0.6542	0.8631	33	0.11	0.01	0.08	0.198
963	P-38	64	J-48	B-024	100.0	mPVC	100.0	0.6498	0.8578	61	0.11	0.01	0.08	0.196
512	P179HLZ	65	S-029	S-028	100.0	mPVC	100.0	-0.6485	-0.2435	56	0.11	0.01	0.08	0.195
1427	P285HLZ(2)	129	J-199	B-082	100.0	mPVC	100.0	-0.6423	-0.2424	41	0.11	0.02	0.08	0.192
1154	P144LLZ(1)	90	L-033	J-103	100.0	mPVC	100.0	0.6421	0.6421	36	0.08	0.02	0.08	0.192
442	P246HLZ	58	B-048	B-050	100.0	mPVC	100.0	-0.6350	-0.2395	46	0.11	0.01	0.08	0.188
1276	P-137	26	J-11	S-035	100.0	mPVC	100.0	0.6341	0.8374	51	0.11	0.00	0.08	0.187
612	P335HLZ	105	B-016a	B-016	150.0	mPVC	100.0	-1.8361	-0.6886	53	0.14	0.02	0.10	0.186
1403	P244HLZ(2)(2)	2	J-192	B-043	200.0	mPVC	110.0	4.2800	5.6492	52	0.18	0.00	0.14	0.186
958	P275HLZ(1)	202	J-47	B-020	150.0	mPVC	100.0	1.7814	2.3541	61	0.13	0.04	0.10	0.176
1065	P006LLZ(1)	15	L-008	J-79	100.0	mPVC	100.0	-0.6104	0.5962	43	0.15	0.00	0.08	0.174
502	P189HLZ	85	S-042	S-002	100.0	mPVC	100.0	-0.6086	-0.2287	50	0.10	0.01	0.08	0.174
1402	P244HLZ(2)(1)	80	J-70	J-192	200.0	mPVC	110.0	4.0938	5.4038	50	0.17	0.01	0.13	0.170
1020	P-50(1)	13	J-65	J-66	150.0	mPVC	100.0	-1.7283	-0.6516	49	0.13	0.00	0.10	0.166
1420	P-24(1)	138	B-018a	J-197	100.0	mPVC	100.0	-0.5890	-0.2200	48	0.10	0.02	0.07	0.163
517	P174HLZ	32	S-023	S-022	150.0	mPVC	100.0	-1.7011	-0.6390	50	0.13	0.01	0.10	0.162
1129	P-70(2)	75	J-97	J-93	100.0	mPVC	100.0	0.5745	1.1464	38	0.15	0.01	0.07	0.156
1345	P170HLZ(2)	18	J-175	S-004	200.0	mPVC	110.0	-3.8910	-1.4604	37	0.16	0.00	0.12	0.154
399	P272HLZ	26	S-005	S-053	150.0	mPVC	100.0	1.6589	2.1927	37	0.12	0.00	0.09	0.154
398	P273HLZ	44	S-053	S-014	150.0	mPVC	100.0	1.6589	2.1927	37	0.12	0.01	0.09	0.154
1344	P170HLZ(1)	79	S-005	J-175	200.0	mPVC	110.0	-3.8759	-1.4547	37	0.16	0.01	0.12	0.153
1341	P282HLZ(2)	41	J-174	B-053	100.0	mPVC	100.0	0.5684	0.7499	34	0.10	0.01	0.07	0.153
395	P274HLZ	172	B-016	B-020	150.0	mPVC	100.0	-1.6471	-0.6169	51	0.12	0.03	0.09	0.152
374	P058LLZ	38	L-1000	L-021	100.0	mPVC	100.0	-0.5546	-0.3872	43	0.15	0.01	0.07	0.146
836	P153HLZ(2)	75	J-6	S-020	100.0	mPVC	100.0	0.5441	0.7189	36	0.09	0.01	0.07	0.141
592	P345HLZ	108	S-021	S-115	150.0	mPVC	100.0	-1.5717	-0.5911	49	0.12	0.02	0.09	0.140
677	P292HLZ	227	B-059	B-058a	100.0	mPVC	100.0	0.5396	0.7123	48	0.09	0.03	0.07	0.139
1030	P293HLZ(1)	94	B-055b	J-69	100.0	mPVC	100.0	0.5376	0.7097	47	0.09	0.01	0.07	0.138
1385	P195HLZ(1)	81	S-043	J-188	100.0	mPVC	100.0	0.5330	0.7037	56	0.09	0.01	0.07	0.136

	P346HLZ(1)	84	S-115	J-147	150.0	mPVC	100.0	-1.5469	-0.5827	43	0.12	0.01	0.09	0.136
955	P301HLZ(1)	88	B-024	J-46	100.0	mPVC	100.0	0.5262	0.6956	59	0.09	0.01	0.07	0.133
449	P239HLZ	63	B-044	B-044	150.0	mPVC	100.0	-1.5219	-0.5726	52	0.11	0.01	0.09	0.132
594	P343HLZ	112	S-105	S-004a	100.0	mPVC	100.0	0.5211	0.6880	42	0.09	0.01	0.07	0.130
1400	P294HLZ(2)(2)	68	J-191	B-018a	100.0	mPVC	100.0	-0.5174	-0.1933	44	0.09	0.01	0.07	0.129
1459	P163HLZ(2)	21	J-211	S-011	100.0	mPVC	100.0	0.5116	0.6755	46	0.09	0.00	0.07	0.126
1458	P163HLZ(1)	47	S-010	J-211	100.0	mPVC	100.0	0.5116	0.6755	45	0.09	0.01	0.07	0.126
516	P175HLZ	59	S-028	S-027	100.0	mPVC	100.0	-0.5078	-0.1916	55	0.09	0.01	0.06	0.124
519	P172HLZ	50	S-022	S-021	150.0	mPVC	100.0	-1.4591	-0.5487	50	0.11	0.01	0.08	0.122
527	P164HLZ	138	S-011	S-012	100.0	mPVC	100.0	0.4995	0.6597	46	0.08	0.02	0.06	0.120
432	P256LLZ	102	B-059	B-061	100.0	mPVC	100.0	0.4933	0.6514	48	0.08	0.01	0.06	0.118
1109	P-69	76	J-88	J-91	100.0	mPVC	100.0	-0.4922	-0.2039	38	0.09	0.01	0.06	0.117
1156	P-80	166	L-1050	J-103	100.0	mPVC	100.0	-0.4757	0.5651	42	0.07	0.02	0.06	0.110
680	P289HLZ	152	S-042	S-043	100.0	mPVC	100.0	0.4754	0.6277	50	0.08	0.02	0.06	0.110
1104	P125LLZ(2)	93	J-90	L-010a	100.0	mPVC	100.0	0.4753	0.5570	45	0.07	0.01	0.06	0.110
1038	P326HLZ(1)	24	B-049	J-71	100.0	mPVC	100.0	-0.4724	-0.1773	40	0.08	0.00	0.06	0.109
617	P330HLZ	80	B-055	B-055a	100.0	mPVC	100.0	-0.4693	-0.1773	53	0.08	0.01	0.06	0.107
997	P-46	27	B-041	J-57	250.0	mPVC	110.0	5.7049	7.5311	51	0.15	0.00	0.12	0.106
453	P235HLZ	60	B-037	B-036	150.0	mPVC	100.0	1.3430	1.7726	50	0.10	0.01	0.08	0.104
1100	P031LLZ(1)(1)	76	L-009	J-89	100.0	mPVC	100.0	0.4597	0.4647	38	0.06	0.01	0.06	0.103
1386	P195HLZ(2)	67	J-188	S-044	100.0	mPVC	100.0	0.4500	0.5942	57	0.08	0.01	0.06	0.099
1017	P254HLZ(2)	231	J-65	B-058	100.0	mPVC	100.0	0.4433	0.5851	49	0.07	0.02	0.06	0.097
1086	P134LLZ(2)	92	J-85	L-ECO-008	100.0	mPVC	100.0	0.4428	0.5952	48	0.08	0.01	0.06	0.096
1399	P294HLZ(2)(1)	91	J-43	J-191	100.0	mPVC	100.0	-0.4339	-0.1622	48	0.07	0.01	0.06	0.093
1463	P187HLZ(1)	76	S-012	J-213	100.0	mPVC	100.0	0.4323	0.5709	49	0.07	0.01	0.06	0.092
1464	P187HLZ(2)	46	J-213	S-013	100.0	mPVC	100.0	0.4323	0.5709	52	0.07	0.00	0.06	0.092
879	P236HLZ(2)	83	J-21	B-037	150.0	mPVC	100.0	-1.2542	-0.4742	47	0.09	0.01	0.07	0.092
1453	P158HLZ(1)	110	S-009	J-209	100.0	mPVC	100.0	0.4308	0.5687	42	0.07	0.01	0.05	0.092
1454	P158HLZ(2)	88	J-209	S-010	100.0	mPVC	100.0	0.4308	0.5687	43	0.07	0.01	0.05	0.092
518	P173HLZ	30	S-024	S-023	150.0	mPVC	100.0	-1.2468	-0.4694	51	0.09	0.00	0.07	0.091
905	P-30	116	J-28	B-016a	100.0	mPVC	100.0	-0.4280	-0.1605	52	0.07	0.01	0.05	0.090
1009	P243HLZ(1)	35	B-047	J-62	150.0	mPVC	100.0	1.2444	1.6421	48	0.09	0.00	0.07	0.090
1021	P-50(2)	153	J-66	B-060	100.0	mPVC	100.0	0.4256	0.5619	49	0.07	0.01	0.05	0.090
700	P097LLZ	31	L-031	L-1050	100.0	mPVC	100.0	-0.4228	0.5898	42	0.08	0.00	0.05	0.089
613	P334HLZ	114	B-013	B-016a	150.0	mPVC	100.0	-1.2287	-0.4611	57	0.09	0.01	0.07	0.089
909	P-31	240	L-034a	J-31	100.0	mPVC	100.0	0.4229	0.6245	37	0.08	0.02	0.05	0.088
809	P067LLZ(2)	76	J-2	L-044	100.0	mPVC	100.0	0.4188	0.4529	36	0.06	0.01	0.05	0.087
514	P177HLZ	155	S-025	S-024	150.0	mPVC	100.0	-1.2143	-0.4563	53	0.09	0.01	0.07	0.087
1016	P254HLZ(1)	55	B-059	J-65	150.0	mPVC	100.0	-1.2115	-0.4566	48	0.09	0.00	0.07	0.086
850	P-12	82	S-023	J-11	100.0	mPVC	100.0	0.4167	0.5510	50	0.07	0.01	0.05	0.086
679	P290HLZ	75	B-062	B-058a	100.0	mPVC	100.0	-0.4151	-0.1557	60	0.07	0.01	0.05	0.085
1094	P115LLZ(2)	67	J-87	L-008a	100.0	mPVC	100.0	0.4097	0.4968	46	0.06	0.01	0.05	0.083
1282	P186HLZ(2)(2)(1)	20	J-13	J-152	100.0	mPVC	100.0	-0.4095	-0.1546	58	0.07	0.00	0.05	0.083
1264	P-134	172	J-146	J-147	100.0	mPVC	100.0	0.4089	0.5401	40	0.07	0.01	0.05	0.083
1098	P031LLZ(2)	105	J-88	L-012	100.0	mPVC	100.0	0.4079	0.4474	38	0.06	0.01	0.05	0.083
1263	P346HLZ(2)	32	S-006	J-147	150.0	mPVC	100.0	1.1756	1.5519	39	0.09	0.00	0.07	0.081
477	P211HLZ	77	B-002	B-003	100.0	mPVC	100.0	0.4009	0.5293	60	0.07	0.01	0.05	0.080
1158	P-82	158	B-071a	L-047	100.0	mPVC	100.0	-0.4000	0.3602	33	0.05	0.01	0.05	0.080
654	P305HLZ	97	S-027a	S-027	100.0	mPVC	100.0	-0.3954	-0.1480	56	0.07	0.01	0.05	0.078
1040	P-56	93	J-71	B-081	100.0	mPVC	100.0	-0.3927	-0.1485	39	0.07	0.01	0.05	0.077
446	P242HLZ	41	B-048	B-047	100.0	mPVC	100.0	0.3916	0.5173	46	0.07	0.00	0.05	0.077
1423	P153HLZ(1)(1)	13	S-014	J-198	150.0	mPVC	100.0	1.1367	1.5021	36	0.09	0.00	0.06	0.077
1010	P243HLZ(2)	79	J-62	B-044	150.0	mPVC	100.0	1.1251	1.4852	50	0.08	0.01	0.06	0.075
897	P221HLZ(2)	44	J-27	B-013	150.0	mPVC	100.0	-1.1211	-0.4209	62	0.08	0.00	0.06	0.075
461	P227HLZ	62	B-026	B-025	150.0	mPVC	100.0	1.1185	1.4751	61	0.08	0.00	0.06	0.074
837	P-6	112	J-6	S-120	100.0	mPVC	100.0	0.3837	0.5071	36	0.06	0.01	0.05	0.074
946	P-36	63	J-43	J-42	100.0	mPVC	100.0	0.3801	0.5024	48	0.06	0.00	0.05	0.073
843	P-8	79	S-004a	J-8	100.0	mPVC	100.0	0.3776	0.4989	46	0.06	0.01	0.05	0.072
1046	P248HLZ(2)	120	J-73	B-053	100.0	mPVC	100.0	-0.3756	-0.1422	35	0.06	0.01	0.05	0.071
431	P257LLZ	120	B-058	B-056	100.0	mPVC	100.0	-0.3701	-0.1392	56	0.06	0.01	0.05	0.069
672	P116LLZ	224	L-008a	L-008	100.0	mPVC	100.0	-0.3686	0.1634	48	0.07	0.02	0.05	0.069
988	P-42	192	J-55	B-080	100.0	mPVC	100.0	-0.3660	-0.1382	44	0.06	0.01	0.05	0.068
633	P124LLZ	128	L-005	L-007	100.0	mPVC	100.0	0.3630	0.5149	39	0.07	0.01	0.05	0.067
629	P128LLZ	178	L-ECO-005	L-ECO-004	100.0	mPVC	100.0	0.3577	0.4631	44	0.06	0.01	0.05	0.065
474	P214HLZ	26	B-003	B-004	100.0	mPVC	100.0	0.3529	0.4664	58	0.06	0.00	0.04	0.063
464	P224HLZ	78	B-018	B-017	100.0	mPVC	100.0	0.3504	0.4631	48	0.06	0.00	0.04	0.062
459	P229HLZ	29	B-023	B-022	150.0	mPVC	100.0	1.0142	1.3408	58	0.08	0.00	0.06	0.062
433	P255HLZ	89	B-061	B-060	100.0	mPVC	100.0	-0.3416	-0.1287	44	0.06	0.01	0.04	0.060
1036	P-55	80	B-055a	J-70	100.0	mPVC	100.0	-0.3393	-0.1277	50	0.06	0.00	0.04	0.059
1161	P-1(2)	59	J-104	J-2	100.0	mPVC	100.0	-0.3364	0.3442	35	0.04	0.00	0.04	0.058
841	P-7	74	S-052	J-7	100.0	mPVC	100.0	0.3330	0.4397	40	0.06	0.00	0.04	0.057
1088	P131LLZ(1)(1)	108	L-ECO-001	J-86	100.0	mPVC	100.0	0.3313	0.4342	41	0.06	0.01	0.04	0.056
463	P225HLZ	166	B-019	B-018	100.0	mPVC	100.0	-0.3300	-0.1234	56	0.06	0.01	0.04	0.056
402	P270HLZ	33	B-004	B-005	100.0	mPVC	100.0	0.3167	0.4187	58	0.05	0.00	0.04	0.052
973	P367LLZIRRI(1)(1)(2)	5	J-51	J-49	150.0	mPVC	100.0	0.9118	1.2038	61	0.07	0.00	0.05	0.051

	P284HLZ(1)	75	B-081	J-55	100.0	mPVC	100.0	-0.3138	-0.1193	41	0.05	0.00	0.04	0.051
668	P119LLZ	81	L-035a	L-045	100.0	mPVC	100.0	-0.3119	1.1423	45	0.15	0.00	0.04	0.050
956	P301HLZ(2)	155	J-46	B-021a	100.0	mPVC	100.0	0.3113	0.4115	58	0.05	0.01	0.04	0.050
1007	P-47(2)	69	J-61	J-60	100.0	mPVC	100.0	-0.3084	-0.1157	42	0.05	0.00	0.04	0.049
645	P314HLZ	68	B-036	B-028a	150.0	mPVC	100.0	0.8923	1.1773	48	0.07	0.00	0.05	0.049
1095	P-67	183	L-006	J-87	100.0	mPVC	100.0	0.3047	0.4529	41	0.06	0.01	0.04	0.048
1284	P-139	271	J-152	S-027a	100.0	mPVC	100.0	-0.3036	-0.1143	59	0.05	0.01	0.04	0.048
443	P245HLZ	63	B-047	B-046	150.0	mPVC	100.0	-0.8801	-0.3341	48	0.07	0.00	0.05	0.048
1448	P-83(2)	39	J-207	J-109	100.0	mPVC	100.0	0.3020	0.6543	43	0.08	0.00	0.04	0.048
551	P032LLZ	125	L-035	L-036	100.0	mPVC	100.0	0.3025	0.4630	38	0.06	0.01	0.04	0.048
1447	P-83(1)	45	L-1000	J-207	100.0	mPVC	100.0	0.3020	0.6543	43	0.08	0.00	0.04	0.047
494	P197HLZ	216	S-019	S-009	100.0	mPVC	100.0	0.3012	0.3973	41	0.05	0.01	0.04	0.047
840	P196HLZ(2)	148	J-7	S-019	100.0	mPVC	100.0	0.3012	0.3973	42	0.05	0.01	0.04	0.047
401	P271HLZ	27	B-005	B-006	100.0	mPVC	100.0	0.2986	0.3948	55	0.05	0.00	0.04	0.047
622	P135LLZ	83	L-ECO-008	L-ECO-006	100.0	mPVC	100.0	0.2991	0.3983	47	0.05	0.00	0.04	0.047
896	P221HLZ(1)	74	B-012	J-27	150.0	mPVC	100.0	-0.8577	-0.3224	63	0.06	0.00	0.05	0.046
631	P126LLZ	95	L-010a	L-012	100.0	mPVC	100.0	-0.2947	-0.0540	42	0.05	0.00	0.04	0.045
515	P176HLZ	48	S-026	S-025	150.0	mPVC	100.0	-0.8552	-0.3202	54	0.06	0.00	0.05	0.045
1295	P329HLZ(2)	63	J-157	B-049	100.0	mPVC	100.0	-0.2908	-0.1096	37	0.05	0.00	0.04	0.044
1280	P-138	185	S-008a	J-151	100.0	mPVC	100.0	0.2902	0.3832	42	0.05	0.01	0.04	0.044
460	P228HLZ	137	B-025	B-023	150.0	mPVC	100.0	0.8358	1.1034	60	0.06	0.01	0.05	0.043
1006	P-47(1)	83	J-59	J-61	100.0	mPVC	100.0	-0.2865	-0.1080	44	0.05	0.00	0.04	0.043
1031	P293HLZ(2)	28	J-69	B-057	100.0	mPVC	100.0	0.2867	0.3785	50	0.05	0.00	0.04	0.043
652	P307HLZ	193	S-008a	S-034	100.0	mPVC	100.0	0.2843	0.3754	42	0.05	0.01	0.04	0.042
536	P155HLZ	48	S-020	S-017	100.0	mPVC	100.0	0.2815	0.3720	37	0.05	0.00	0.04	0.042
844	P-9	67	J-8	S-022	100.0	mPVC	100.0	0.2795	0.3695	48	0.05	0.00	0.04	0.041
588	P349HLZ	96	S-120	S-052	100.0	mPVC	100.0	0.2793	0.3690	39	0.05	0.00	0.04	0.041
1273	P165HLZ(2)	99	J-150	S-035	100.0	mPVC	100.0	-0.2788	-0.1048	49	0.05	0.00	0.04	0.041
948	P222HLZ(1)(1)	10	B-017	J-44	100.0	mPVC	100.0	0.2787	0.3684	46	0.05	0.00	0.04	0.041
489	P202HLZ	286	S-037	S-013	100.0	mPVC	100.0	-0.2776	-0.1044	59	0.05	0.01	0.04	0.041
1093	P115LLZ(1)	71	L-007	J-87	100.0	mPVC	100.0	0.2770	0.4082	43	0.05	0.00	0.04	0.040
687	P287HLZ	76	S-044	S-044a	100.0	mPVC	100.0	0.2763	0.3652	56	0.05	0.00	0.04	0.040
511	P180HLZ	84	S-029	S-045	100.0	mPVC	100.0	0.2727	0.3601	56	0.05	0.00	0.03	0.039
1027	P258HLZ(1)	76	B-056	J-68	100.0	mPVC	100.0	-0.2725	-0.1023	57	0.05	0.00	0.03	0.039
1105	P-68	76	J-89	J-90	100.0	mPVC	100.0	0.2723	0.3504	41	0.04	0.00	0.03	0.039
1409	P-43(1)	8	J-56	J-194	200.0	mPVC	110.0	1.8620	2.4575	37	0.08	0.00	0.06	0.039
458	P230HLZ	34	B-022	B-021	150.0	mPVC	100.0	0.7867	1.0409	57	0.06	0.00	0.04	0.039
634	P325HLZ	75	B-023b	B-023a	100.0	mPVC	100.0	0.2712	0.3581	57	0.05	0.00	0.03	0.039
923	P013LLZ(1)	30	L-038	J-36	100.0	mPVC	100.0	0.2693	0.2955	35	0.04	0.00	0.03	0.038
362	P070LLZ	76	J-273	L-044	100.0	mPVC	100.0	-0.2673	-0.0461	36	0.04	0.00	0.03	0.038
628	P129LLZ	97	L-ECO-001	L-ECO-005	100.0	mPVC	100.0	-0.2674	-0.1173	41	0.04	0.00	0.03	0.038
553	P030LLZ	227	L-009	L-010	100.0	mPVC	100.0	0.2663	0.2901	38	0.04	0.01	0.03	0.038
1078	P040LLZ(2)	101	J-83	L-ECO-004	100.0	mPVC	100.0	-0.2571	-0.1077	44	0.04	0.00	0.03	0.035
983	P303HLZ(2)	139	J-54	B-064	100.0	mPVC	100.0	-0.2536	-0.0956	55	0.04	0.00	0.03	0.034
580	P003LLZ	76	L-005	L-006	100.0	mPVC	100.0	0.2530	0.4903	39	0.06	0.00	0.03	0.034
894	P-25	63	B-014a	J-26	100.0	mPVC	100.0	-0.2521	-0.0947	60	0.04	0.00	0.03	0.034
1417	P296HLZ(1)	12	B-012	J-196	150.0	mPVC	100.0	0.7326	0.9673	63	0.05	0.00	0.04	0.034
1367	P-40(2)(2)	65	J-181	J-52	150.0	mPVC	100.0	-0.7278	-0.2754	58	0.05	0.00	0.04	0.034
1333	P-40(2)(1)(1)	70	J-166	J-AFL Club House	150.0	mPVC	100.0	-0.7278	-0.2754	59	0.05	0.00	0.04	0.034
996	P-45	30	J-57	J-58	250.0	mPVC	110.0	3.0699	4.0536	51	0.08	0.00	0.06	0.034
363	P069LLZ	76	L-042	J-272	100.0	mPVC	100.0	0.2505	0.3436	35	0.04	0.00	0.03	0.034
995	P263HLZ(2)	57	J-58	B-035	250.0	mPVC	110.0	3.0623	4.0436	52	0.08	0.00	0.06	0.034
979	P260HLZ(1)	75	B-062	J-53	100.0	mPVC	100.0	0.2506	0.3310	60	0.04	0.00	0.03	0.034
1366	P-40(2)(2)(1)	68	J-168	J-181	150.0	mPVC	100.0	-0.7278	-0.2754	59	0.05	0.00	0.04	0.034
1320	P-40(1)	139	J-166	J-51	150.0	mPVC	100.0	0.7278	0.9603	59	0.05	0.00	0.04	0.034
1334	P-40(2)(1)(2)	54	J-AFL Club House	J-168	150.0	mPVC	100.0	-0.7278	-0.2754	59	0.05	0.00	0.04	0.033
616	P331HLZ	111	B-055a	B-055b	100.0	mPVC	100.0	-0.2473	-0.0939	50	0.04	0.00	0.03	0.033
878	P236HLZ(1)	81	B-038	J-21	150.0	mPVC	100.0	-0.7162	-0.2708	44	0.05	0.00	0.04	0.033
1316	P267HLZ(1)	136	B-035	J-165	250.0	mPVC	110.0	3.0017	3.9638	53	0.08	0.00	0.06	0.032
644	P315HLZ	57	B-028a	B-028	150.0	mPVC	100.0	0.7074	0.9340	51	0.05	0.00	0.04	0.032
1317	P267HLZ(2)	18	J-165	B-034	250.0	mPVC	110.0	2.9638	3.9139	55	0.08	0.00	0.06	0.031
373	P059LLZ	76	L-1005	L-042	100.0	mPVC	100.0	0.2419	0.4214	35	0.05	0.00	0.03	0.031
942	P222HLZ(2)	160	J-42	B-016	100.0	mPVC	100.0	0.2408	0.3182	48	0.04	0.01	0.03	0.031
1294	P329HLZ(1)	148	B-045a	J-157	100.0	mPVC	100.0	-0.2408	-0.0904	40	0.04	0.00	0.03	0.031
405	P268HLZ	69	B-034	B-033	250.0	mPVC	110.0	2.9335	3.8739	56	0.08	0.00	0.06	0.031
1103	P125LLZ(1)	74	L-010	J-90	100.0	mPVC	100.0	0.2392	0.2543	48	0.03	0.00	0.03	0.031
667	P297HLZ	39	B-033	T-1001	250.0	mPVC	110.0	2.9108	3.8440	58	0.08	0.00	0.06	0.030
522	P169HLZ	184	S-035	S-036	100.0	mPVC	100.0	0.2357	0.3112	51	0.04	0.01	0.03	0.030
1356	P060LLZ(1)(1)	54	L-1000	J-178	100.0	mPVC	100.0	0.2348	0.4887	43	0.06	0.00	0.03	0.030
635	P324HLZ	75	B-025a	B-023b	100.0	mPVC	100.0	0.2333	0.3078	59	0.04	0.00	0.03	0.030
1089	P131LLZ(1)(2)	64	J-86	J-80	100.0	mPVC	100.0	0.2305	0.3088	42	0.04	0.00	0.03	0.029
900	P-27	149	J-28	J-26	100.0	mPVC	100.0	0.2307	0.3048	52	0.04	0.00	0.03	0.029
920	P117LLZ(2)	74	J-35	L-035a	100.0	mPVC	100.0	-0.2282	0.2917	45	0.05	0.00	0.03	0.028
1421	P-24(2)	43	J-197	J-25	150.0	mPVC	100.0	-0.6487	-0.2422	53	0.05	0.00	0.04	0.027
666	P298HLZ	52	T-1001	B-026	250.0	mPVC	110.0	2.7041	3.5706	60	0.07	0.00	0.06	0.027

	P185HLZ	116	S-030	S-029	100.0	mPVC	100.0	-0.2184	-0.0817	57	0.04	0.00	0.03	0.026
953	P-37	172	J-44	J-45	100.0	mPVC	100.0	0.2180	0.2881	46	0.04	0.00	0.03	0.026
1171	P-85	77	J-109	J-107	100.0	mPVC	100.0	0.2178	0.5396	40	0.07	0.00	0.03	0.026
1275	P-136	10	S-034	J-11	100.0	mPVC	100.0	0.2173	0.2864	50	0.04	0.00	0.03	0.026
513	P178HLZ	125	S-025	S-043	100.0	mPVC	100.0	0.2162	0.2850	53	0.04	0.00	0.03	0.026
1128	P-70(1)	77	J-92	J-97	100.0	mPVC	100.0	-0.2132	0.2293	36	0.09	0.00	0.03	0.025
912	P118LLZ(2)	181	J-32	L-035	100.0	mPVC	100.0	-0.2092	0.1565	45	0.07	0.00	0.03	0.024
686	P288HLZ	146	S-044a	S-028	100.0	mPVC	100.0	0.2084	0.2756	53	0.04	0.00	0.03	0.024
476	P212HLZ	262	B-002	B-009	100.0	mPVC	100.0	0.2056	0.2714	60	0.03	0.01	0.03	0.023
531	P160HLZ	37	S-008	S-009	100.0	mPVC	100.0	0.2042	0.2702	42	0.03	0.00	0.03	0.023
435	P253HLZ	126	B-063	B-064	100.0	mPVC	100.0	-0.2031	-0.0767	54	0.03	0.00	0.03	0.023
968	P275HLZ(2)(2)(1)	35	J-50	J-48	250.0	mPVC	110.0	2.4746	3.2693	60	0.07	0.00	0.05	0.023
1028	P258HLZ(2)	110	J-68	B-055	100.0	mPVC	100.0	-0.2001	-0.0747	56	0.03	0.00	0.03	0.022
490	P201HLZ	11	S-038	S-037	100.0	mPVC	100.0	-0.2029	-0.0766	59	0.03	0.00	0.03	0.022
1357	P060LLZ(1)(2)	108	J-178	J-108	100.0	mPVC	100.0	0.1991	0.4414	45	0.06	0.00	0.03	0.022
360	P072LLZ	63	J-272	J-274	100.0	mPVC	100.0	0.1964	0.2608	36	0.03	0.00	0.03	0.021
1283	P186HLZ(2)(2)(2)	56	J-152	S-038	100.0	mPVC	100.0	-0.1955	-0.0738	59	0.03	0.00	0.02	0.021
1074	P132LLZ(1)(1)	72	L-ECO_007	J-82	100.0	mPVC	100.0	0.1929	0.2553	43	0.03	0.00	0.02	0.021
593	P344HLZ	75	S-105	S-110	100.0	mPVC	100.0	0.1905	0.2518	42	0.03	0.00	0.02	0.020
1003	P241HLZ(2)	166	J-60	B-048	100.0	mPVC	100.0	-0.1905	-0.0724	41	0.03	0.00	0.02	0.020
1160	P-1(1)	59	L-1005	J-104	100.0	mPVC	100.0	-0.1863	0.1509	35	0.02	0.00	0.02	0.019
429	P259HLZ	184	B-057	B-056	100.0	mPVC	100.0	0.1817	0.2398	51	0.03	0.00	0.02	0.018
1091	P-66	170	L-ECO-001	J-85	100.0	mPVC	100.0	-0.1816	0.0450	41	0.03	0.00	0.02	0.018
823	P152HLZ(1)	25	S-014	J-1	150.0	mPVC	100.0	0.5222	0.6905	36	0.04	0.00	0.03	0.018
855	P186HLZ(2)(1)	42	J-12	J-13	100.0	mPVC	100.0	-0.1796	-0.0683	58	0.03	0.00	0.02	0.018
1370	P-167	39	J-High School	L-016	150.0	mPVC	100.0	-0.5212	-0.2894	41	0.43	0.00	0.03	0.018
1426	P285HLZ(1)	13	B-052	J-199	150.0	mPVC	100.0	-0.5162	-0.1949	42	0.04	0.00	0.03	0.018
1069	P131LLZ(2)	131	J-80	L-ECO_007	100.0	mPVC	100.0	0.1772	0.2317	43	0.03	0.00	0.02	0.018
535	P156HLZ	207	S-017	S-018	100.0	mPVC	100.0	0.1771	0.2339	40	0.03	0.00	0.02	0.018
1002	P241HLZ(1)	39	B-049	J-60	100.0	mPVC	100.0	0.1770	0.2341	40	0.03	0.00	0.02	0.018
898	P-26	88	J-26	J-27	100.0	mPVC	100.0	-0.1738	-0.0650	61	0.03	0.00	0.02	0.017
643	P316HLZ	74	B-031a	B-031b	150.0	mPVC	100.0	-0.5032	-0.1907	49	0.04	0.00	0.03	0.017
576	P007LLZ	61	L-006	L-008	100.0	mPVC	100.0	-0.1694	0.4604	41	0.06	0.00	0.02	0.016
379	P283HLZ	203	B-053	B-081	100.0	mPVC	100.0	0.1700	0.2243	34	0.03	0.00	0.02	0.016
1174	P060LLZ(2)(1)	116	J-108	J-110	100.0	mPVC	100.0	0.1672	0.4025	39	0.05	0.00	0.02	0.016
891	P318HLZ(1)(2)	69	J-25	J-23	150.0	mPVC	100.0	-0.4818	-0.1786	55	0.04	0.00	0.03	0.016
359	P073LLZ	84	J-275	J-273	100.0	mPVC	100.0	-0.1608	-0.0527	35	0.03	0.00	0.02	0.015
1376	P-169	46	S-NEIGHBOURHOODCENTRE	S-055	150.0	mPVC	100.0	-0.4636	-0.1900	38	0.03	0.00	0.03	0.015
881	P-22	137	B-031b	J-21	150.0	mPVC	100.0	-0.4622	-0.1744	50	0.03	0.00	0.03	0.014
481	P210HLZ	112	S-052	S-020	100.0	mPVC	100.0	-0.1581	-0.0594	40	0.03	0.00	0.02	0.014
1396	P-13(1)	111	J-13	P8 Low Point	100.0	mPVC	100.0	0.1551	0.2048	58	0.03	0.00	0.02	0.014
1045	P248HLZ(1)	76	B-054	J-73	100.0	mPVC	100.0	-0.1545	-0.0584	36	0.03	0.00	0.02	0.014
1063	P-62	176	B-036a	B-023b	100.0	mPVC	100.0	0.1516	0.2000	50	0.03	0.00	0.02	0.013
1278	P161HLZ(1)	57	S-010	J-151	100.0	mPVC	100.0	-0.1481	-0.0554	45	0.02	0.00	0.02	0.013
571	P012LLZ	80	L-039	L-037	100.0	mPVC	100.0	-0.1476	0.2497	44	0.04	0.00	0.02	0.013
574	P009LLZ	75	L-036	L-038	100.0	mPVC	100.0	0.1469	0.2970	37	0.04	0.00	0.02	0.012
507	P184HLZ	70	S-031	S-030	100.0	mPVC	100.0	-0.1466	-0.0554	57	0.02	0.00	0.02	0.012
368	P064LLZ	20	L-1010	L-1015	100.0	mPVC	100.0	0.1449	0.4894	35	0.06	0.00	0.02	0.012
999	P240HLZ(1)	164	B-044	J-59	150.0	mPVC	100.0	-0.4241	-0.1588	51	0.03	0.00	0.02	0.012
1032	P-54	134	J-68	J-69	100.0	mPVC	100.0	-0.1459	-0.0553	56	0.02	0.00	0.02	0.012
961	P275HLZ(2)(1)	8	J-47	J-48	250.0	mPVC	110.0	-1.8172	-0.6803	61	0.05	0.00	0.04	0.012
915	P011LLZ(2)	88	J-33	L-037	100.0	mPVC	100.0	0.1436	0.1600	39	0.02	0.00	0.02	0.012
1047	P-57	146	J-72	J-73	100.0	mPVC	100.0	-0.1438	-0.0541	38	0.02	0.00	0.02	0.012
403	P269HLZ	56	B-028	B-027	150.0	mPVC	100.0	0.4156	0.5496	54	0.03	0.00	0.02	0.012
982	P303HLZ(1)	64	B-064a	J-54	100.0	mPVC	100.0	-0.1426	-0.0537	57	0.02	0.00	0.02	0.012
916	P-32	152	J-32	J-33	100.0	mPVC	100.0	0.1404	0.3395	45	0.05	0.00	0.02	0.011
1176	P-87	35	J-110	L-1010	100.0	mPVC	100.0	0.1404	0.3671	36	0.05	0.00	0.02	0.011
926	P138LLZ(2)(1)	192	J-31	J-37	100.0	mPVC	100.0	0.1390	0.1884	34	0.02	0.00	0.02	0.011
523	P168HLZ	80	S-036	S-026	100.0	mPVC	100.0	0.1382	0.1818	54	0.02	0.00	0.02	0.011
1118	P006LLZ(2)(2)(1)	3	J-93	J-94	100.0	mPVC	100.0	-0.1446	1.6977	43	0.22	0.00	0.02	0.011
884	P318HLZ(2)	89	J-23	B-030a	150.0	mPVC	100.0	-0.3945	-0.1461	56	0.03	0.00	0.02	0.011
582	P001LLZ	28	L-016	L-SCHOOL	150.0	mPVC	100.0	0.3984	5.6708	42	0.32	0.00	0.02	0.011
886	P323HLZ(1)	34	B-023a	J-24	150.0	mPVC	100.0	0.3869	0.5125	56	0.03	0.00	0.02	0.011
970	P-39	110	J-50	J-49	200.0	mPVC	110.0	-0.9118	-0.3436	60	0.04	0.00	0.03	0.011
1178	P-88	64	L-028	L-021	100.0	mPVC	100.0	-0.1334	1.6682	45	0.21	0.00	0.02	0.010
624	P133LLZ	68	L-ECO-006	L-ECO_007	100.0	mPVC	100.0	0.1334	0.1788	47	0.02	0.00	0.02	0.010
888	P-23	103	J-23	J-24	100.0	mPVC	100.0	-0.1327	-0.0499	56	0.02	0.00	0.02	0.010
1056	P322HLZ(1)	53	B-027	J-77	150.0	mPVC	100.0	0.3853	0.5097	56	0.03	0.00	0.02	0.010
907	P138LLZ(1)	33	L-038	J-31	100.0	mPVC	100.0	-0.1314	-0.0035	35	0.05	0.00	0.02	0.010
627	P130LLZ	259	L-ECO-006	L-ECO-002	100.0	mPVC	100.0	0.1294	0.1717	47	0.02	0.00	0.02	0.010
648	P311HLZ	62	B-038a	B-038	150.0	mPVC	100.0	-0.3751	-0.1416	45	0.03	0.00	0.02	0.010
472	P216HLZ	102	B-006	B-007	100.0	mPVC	100.0	0.1287	0.1703	56	0.02	0.00	0.02	0.010
651	P308HLZ	117	B-036	B-036a	150.0	mPVC	100.0	0.3749	0.4955	48	0.03	0.00	0.02	0.010
969	P275HLZ(2)(2)(2)	27	B-026	J-50	250.0	mPVC	110.0	1.5704	2.0755	61	0.04	0.00	0.03	0.010
1274	P-135	155	J-150	J-149	100.0	mPVC	100.0	0.1266	0.1669	49	0.02	0.00	0.02	0.009

	P-34(1)	75	J-36	J-38	100.0	mPVC	100.0	0.1258	0.1738	37	0.02	0.00	0.02	0.009
647	P312HLZ	77	B-031	B-031a	150.0	mPVC	100.0	-0.3614	-0.1358	52	0.03	0.00	0.02	0.009
858	P-14	118	S-054	J-12	100.0	mPVC	100.0	-0.1238	-0.0465	57	0.02	0.00	0.02	0.009
1061	P231HLZ(2)	52	J-78	B-029	150.0	mPVC	100.0	-0.3542	-0.1328	53	0.03	0.00	0.02	0.009
1082	P040LLZ(1)(2)	82	J-84	J-83	100.0	mPVC	100.0	-0.1211	-0.0508	44	0.02	0.00	0.02	0.009
825	P-1	139	A-01	J-1	100.0	mPVC	100.0	-0.1206	-0.0449	38	0.02	0.00	0.02	0.009
980	P260HLZ(2)	89	J-53	B-065	100.0	mPVC	100.0	0.1200	0.1585	60	0.02	0.00	0.02	0.009
951	P223HLZ(2)(1)	63	J-40	J-45	100.0	mPVC	100.0	-0.1183	-0.0449	51	0.02	0.00	0.02	0.008
862	P065LLZ(1)	22	L-1015	J-15	100.0	mPVC	100.0	0.1181	0.4772	35	0.06	0.00	0.02	0.008
614	P333HLZ	129	B-014a	B-015	100.0	mPVC	100.0	0.1166	0.1541	60	0.02	0.00	0.01	0.008
1062	P-61	81	J-17	J-78	100.0	mPVC	100.0	-0.1157	-0.0427	55	0.02	0.00	0.01	0.008
421	P049LLZ	63	B-070	B-072	100.0	mPVC	100.0	-0.1135	-0.0433	31	0.02	0.00	0.01	0.008
934	P010LLZ(2)	81	J-39	L-039	100.0	mPVC	100.0	-0.1118	0.1187	45	0.02	0.00	0.01	0.007
1190	P-95	18	J-46	J-116	100.0	mPVC	100.0	0.1074	0.1421	58	0.02	0.00	0.01	0.007
590	P347HLZ	43	S-110	S-115	100.0	mPVC	100.0	0.1074	0.1423	42	0.02	0.00	0.01	0.007
875	P-20	76	J-20	B-038a	150.0	mPVC	100.0	-0.3124	-0.1183	44	0.02	0.00	0.02	0.007
719	P078LLZ	59	J-277	J-275	100.0	mPVC	100.0	-0.1072	-0.0329	35	0.02	0.00	0.01	0.007
919	P117LLZ(1)	113	L-037	J-35	100.0	mPVC	100.0	-0.1027	0.3386	42	0.04	0.00	0.01	0.006
824	P152HLZ(2)	88	J-1	S-015	150.0	mPVC	100.0	0.2972	0.3929	35	0.02	0.00	0.02	0.006
450	P238HLZ	155	B-039	B-038	150.0	mPVC	100.0	-0.2881	-0.1090	39	0.02	0.00	0.02	0.006
1286	P-140	145	J-153	S-044	100.0	mPVC	100.0	-0.0981	-0.0373	54	0.02	0.00	0.01	0.006
1075	P132LLZ(1)(2)	77	J-82	J-81	100.0	mPVC	100.0	0.0935	0.1232	43	0.02	0.00	0.01	0.005
1042	P326HLZ(2)(1)	39	J-71	J-72	100.0	mPVC	100.0	-0.0934	-0.0340	39	0.02	0.00	0.01	0.005
499	P192HLZ	136	S-045	S-047	100.0	mPVC	100.0	0.0915	0.1212	55	0.02	0.00	0.01	0.005
952	P223HLZ(2)(2)	90	J-45	B-019	100.0	mPVC	100.0	-0.0913	-0.0345	52	0.02	0.00	0.01	0.005
436	P252HLZ	125	B-062	B-063	100.0	mPVC	100.0	0.0910	0.1203	60	0.02	0.00	0.01	0.005
860	P-15	120	J-14	J-274	100.0	mPVC	100.0	-0.0893	-0.0331	35	0.02	0.00	0.01	0.005
470	P218HLZ	206	B-011	B-006	100.0	mPVC	100.0	-0.0885	-0.0328	56	0.01	0.00	0.01	0.005
541	P150HLZ	135	S-015	S-016	100.0	mPVC	100.0	0.0883	0.1167	34	0.01	0.00	0.01	0.005
620	P327HLZ	145	B-049a	B-054	100.0	mPVC	100.0	-0.0862	-0.0323	36	0.01	0.00	0.01	0.005
508	P183HLZ	33	S-032	S-031	100.0	mPVC	100.0	-0.0865	-0.0327	56	0.01	0.00	0.01	0.005
455	P233HLZ	74	B-029	B-028	150.0	mPVC	100.0	-0.2463	-0.0941	52	0.02	0.00	0.01	0.005
914	P011LLZ(1)	36	L-036	J-33	100.0	mPVC	100.0	0.0839	0.5096	37	0.06	0.00	0.01	0.004
640	P319HLZ	173	B-030a	B-030	150.0	mPVC	100.0	-0.2440	-0.0902	56	0.02	0.00	0.01	0.004
867	P-17	24	J-16	J-17	150.0	mPVC	100.0	-0.2415	-0.0907	55	0.02	0.00	0.01	0.004
649	P310HLZ	53	B-039a	B-039	150.0	mPVC	100.0	-0.2351	-0.0887	42	0.02	0.00	0.01	0.004
1300	P-146	29	J-159	J-28	100.0	mPVC	100.0	-0.0807	-0.0302	51	0.01	0.00	0.01	0.004
1397	P-13(2)	82	P8 Low Point	S-039	100.0	mPVC	100.0	0.0804	0.1061	60	0.01	0.00	0.01	0.004
1185	P-92	147	J-104	J-105	100.0	mPVC	100.0	0.0787	0.1013	35	0.03	0.00	0.01	0.004
863	P065LLZ(2)	7	J-15	L-1005	100.0	mPVC	100.0	0.0735	0.4567	35	0.06	0.00	0.01	0.004
887	P323HLZ(2)	47	J-24	B-023	150.0	mPVC	100.0	0.2238	0.2972	56	0.02	0.00	0.01	0.004
510	P181HLZ	63	S-045	S-046	100.0	mPVC	100.0	0.0755	0.0996	55	0.01	0.00	0.01	0.004
438	P250HLZ	63	B-052	B-051	150.0	mPVC	100.0	-0.2186	-0.0832	42	0.02	0.00	0.01	0.004
865	P-16	45	B-030a	J-16	150.0	mPVC	100.0	-0.2187	-0.0820	56	0.02	0.00	0.01	0.004
839	P196HLZ(1)	38	S-018	J-7	100.0	mPVC	100.0	0.0727	0.0958	44	0.01	0.00	0.01	0.003
615	P332HLZ	75	B-014	B-014a	100.0	mPVC	100.0	-0.0727	-0.0277	60	0.01	0.00	0.01	0.003
357	P075LLZ	80	J-274	J-276	100.0	mPVC	100.0	0.0714	0.0954	36	0.01	0.00	0.01	0.003
556	P027LLZ	119	L-042	L-044	100.0	mPVC	100.0	-0.0711	0.1148	35	0.01	0.00	0.01	0.003
638	P321HLZ	80	B-025a	B-025	150.0	mPVC	100.0	-0.2069	-0.0806	59	0.02	0.00	0.01	0.003
1404	P-175	80	J-192	B-055	150.0	mPVC	100.0	-0.2090	-0.0798	52	0.02	0.00	0.01	0.003
468	P220HLZ	152	B-012	B-014	100.0	mPVC	100.0	0.0713	0.0943	63	0.01	0.00	0.01	0.003
1058	P-60	76	J-76	J-77	150.0	mPVC	100.0	-0.1940	-0.0741	55	0.01	0.00	0.01	0.003
890	P318HLZ(1)(1)	60	B-022	J-25	150.0	mPVC	100.0	0.1972	0.2599	57	0.01	0.00	0.01	0.003
872	P265HLZ(2)	61	J-19	B-032	150.0	mPVC	100.0	0.1858	0.2452	51	0.01	0.00	0.01	0.003
972	P367LLZIRRIG(1)(1)(1)	91	T-1001	J-51	150.0	mPVC	100.0	0.1840	0.2435	60	0.01	0.00	0.01	0.003
1060	P231HLZ(1)	57	B-030	J-78	150.0	mPVC	100.0	-0.1855	-0.0698	54	0.01	0.00	0.01	0.003
619	P328HLZ	47	B-045	B-045a	150.0	mPVC	100.0	-0.1861	-0.0694	40	0.01	0.00	0.01	0.003
1090	P-65	166	J-86	L-ECO-008	100.0	mPVC	100.0	-0.0622	0.0094	42	0.01	0.00	0.01	0.003
1269	P167HLZ(2)(1)	15	J-148	J-149	100.0	mPVC	100.0	-0.0598	-0.0223	52	0.01	0.00	0.01	0.003
975	P291HLZ(1)	4	B-058a	J-52	100.0	mPVC	100.0	0.0825	0.1084	58	0.01	0.00	0.01	0.002
424	P046LLZ	198	B-070	B-078	100.0	mPVC	100.0	0.0605	0.0797	31	0.01	0.00	0.01	0.002
1011	P-48	169	J-61	J-62	100.0	mPVC	100.0	-0.0601	-0.0236	42	0.01	0.00	0.01	0.002
1000	P240HLZ(2)	55	J-59	B-045	150.0	mPVC	100.0	-0.1725	-0.0642	44	0.01	0.00	0.01	0.002
661	P123LLZ	4	T-1005	L-SPORT&RECCLUBHOUSE	150.0	mPVC	100.0	0.1320	10.8880	40	0.62	0.00	0.01	0.002
1054	P-59	12	J-17	J-76	150.0	mPVC	100.0	-0.1561	-0.0596	55	0.01	0.00	0.01	0.002
927	P138LLZ(2)(2)	8	J-37	L-040a	100.0	mPVC	100.0	0.0622	0.1017	39	0.01	0.00	0.01	0.002
1172	P-86	127	J-107	L-1010	100.0	mPVC	100.0	0.0581	0.1524	39	0.02	0.00	0.01	0.002
848	P-11	18	J-9	J-8	100.0	mPVC	100.0	-0.0528	-0.0201	48	0.01	0.00	0.01	0.002
1079	P-63	163	J-83	J-82	100.0	mPVC	100.0	0.0545	0.0710	44	0.01	0.00	0.01	0.002
451	P237HLZ	238	B-030	B-032	150.0	mPVC	100.0	-0.1570	-0.0580	54	0.01	0.00	0.01	0.002
509	P182HLZ	29	S-033	S-032	100.0	mPVC	100.0	-0.0499	-0.0180	56	0.01	0.00	0.01	0.002
1057	P322HLZ(2)	29	J-77	B-023a	150.0	mPVC	100.0	0.1535	0.2042	56	0.01	0.00	0.01	0.002
1387	P-174	20	J-188	J-155	100.0	mPVC	100.0	0.0528	0.0697	57	0.01	0.00	0.01	0.002
501	P190HLZ	186	S-002	S-003	100.0	mPVC	100.0	0.0525	0.0694	53	0.01	0.00	0.01	0.002
1179	P-89	90	J-107	J-105	100.0	mPVC	100.0	0.0525	0.2862	39	0.04	0.00	0.01	0.002

	P232HLZ	67	B-031	B-029	150.0	mPVC	100.0	0.1533	0.2033	52	0.01	0.00	0.01	0.002
650	P309HLZ	251	B-032	B-039a	150.0	mPVC	100.0	-0.1455	-0.0545	50	0.01	0.00	0.01	0.002
1272	P165HLZ(1)	50	S-011	J-150	100.0	mPVC	100.0	-0.0477	-0.0176	46	0.01	0.00	0.01	0.002
1188	P-94	59	B-019	J-115	100.0	mPVC	100.0	0.0477	0.0631	56	0.01	0.00	0.01	0.002
871	P265HLZ(1)	70	B-031	J-19	150.0	mPVC	100.0	0.1398	0.1841	52	0.01	0.00	0.01	0.001
1301	P-147	58	L-ECO-004	J-80	100.0	mPVC	100.0	0.0463	0.0576	44	0.01	0.00	0.01	0.001
874	P-19	205	J-19	J-20	150.0	mPVC	100.0	-0.1293	-0.0482	51	0.01	0.00	0.01	0.001
1101	P031LLZ(1)(2)	122	J-89	J-88	100.0	mPVC	100.0	0.0425	0.1891	41	0.02	0.00	0.01	0.001
642	P317HLZ	65	B-031b	B-028a	150.0	mPVC	100.0	-0.1167	-0.0452	50	0.01	0.00	0.01	0.001
933	P010LLZ(1)	62	L-040	J-39	100.0	mPVC	100.0	-0.0364	0.0614	45	0.01	0.00	0.00	0.001
1081	P040LLZ(1)(1)	19	L-ECO-003	J-84	100.0	mPVC	100.0	-0.0355	-0.0162	44	0.01	0.00	0.00	0.001
924	P013LLZ(2)	126	J-36	L-039	100.0	mPVC	100.0	0.0359	0.1578	37	0.02	0.00	0.00	0.001
585	P350HLZ	79	S-042	S-024	100.0	mPVC	100.0	0.0351	0.0468	50	0.01	0.00	0.00	0.001
1052	P-58	31	J-75	S-015	150.0	mPVC	100.0	-0.1044	-0.0389	34	0.01	0.00	0.01	0.001
720	P077LLZ	83	L-043	J-277	100.0	mPVC	100.0	-0.0353	-0.0117	34	0.01	0.00	0.00	0.001
639	P320HLZ	127	B-036a	B-025a	150.0	mPVC	100.0	0.1021	0.1357	50	0.01	0.00	0.01	0.001
655	P304HLZ	55	S-013	S-027a	100.0	mPVC	100.0	0.0352	0.0463	54	0.01	0.00	0.00	0.001
921	P-33	44	J-35	J-34	100.0	mPVC	100.0	0.0359	0.0474	45	0.01	0.00	0.00	0.001
1155	P144LLZ(2)	37	J-103	B-074	100.0	mPVC	100.0	0.0303	0.0399	36	0.01	0.00	0.00	0.001
482	P209HLZ	61	S-054	S-041	100.0	mPVC	100.0	0.0311	0.0409	57	0.01	0.00	0.00	0.001
608	P139LLZ	179	L-040a	L-040	100.0	mPVC	100.0	0.0264	0.0852	39	0.01	0.00	0.00	0.001
1072	P132LLZ(2)	82	J-81	L-ECO-002	100.0	mPVC	100.0	-0.0291	-0.0090	42	0.00	0.00	0.00	0.001
361	P071LLZ	123	J-272	J-273	100.0	mPVC	100.0	-0.0262	0.0365	36	0.00	0.00	0.00	0.001
1043	P326HLZ(2)(2)	76	J-72	B-049a	100.0	mPVC	100.0	-0.0270	-0.0096	38	0.00	0.00	0.00	0.000
1374	P122LLZ(2)	19	J-184	T-1010	200.0	mPVC	110.0	-0.1320	-0.0710	43	0.35	0.00	0.00	0.000
475	P213HLZ	118	B-009	B-003	100.0	mPVC	100.0	0.0245	0.0326	53	0.00	0.00	0.00	0.000
485	P206HLZ	100	S-039	S-040	100.0	mPVC	100.0	0.0237	0.0312	59	0.00	0.00	0.00	0.000
484	P207HLZ	81	S-033	S-041	100.0	mPVC	100.0	0.0273	0.0365	56	0.00	0.00	0.00	0.000
1508	P219HLZ(1)	61	B-007	J-221	100.0	mPVC	100.0	0.0270	0.0366	58	0.00	0.00	0.00	0.000
949	P222HLZ(1)(2)	68	J-44	J-42	100.0	mPVC	100.0	-0.0228	-0.0084	46	0.00	0.00	0.00	0.000
931	P-34(2)	71	J-38	J-37	100.0	mPVC	100.0	-0.0230	-0.0028	37	0.01	0.00	0.00	0.000
1186	P-93	24	J-105	J-106	100.0	mPVC	100.0	0.0241	0.0318	38	0.00	0.00	0.00	0.000
1296	P-144	25	J-156	J-157	100.0	mPVC	100.0	-0.0273	-0.0105	36	0.00	0.00	0.00	0.000
718	P079LLZ	120	J-276	J-277	100.0	mPVC	100.0	-0.0184	-0.0013	36	0.00	0.00	0.00	0.000
1373	P122LLZ(1)	294	T-1005	J-184	200.0	mPVC	110.0	-0.1320	-0.0710	40	0.35	0.00	0.00	0.000
410	P264HLZ	34	B-039	B-040	150.0	mPVC	100.0	0.0152	0.0200	39	0.00	0.00	0.00	0.000
473	P215HLZ	34	B-004	B-010	100.0	mPVC	100.0	0.0181	0.0239	58	0.00	0.00	0.00	0.000
544	P039LLZ	174	L-ECO-002	L-ECO-003	100.0	mPVC	100.0	0.0188	0.0253	42	0.00	0.00	0.00	0.000
1170	P-84	70	J-109	J-108	100.0	mPVC	100.0	0.0217	0.0320	40	0.00	0.00	0.00	0.000
1298	P-145	37	J-158	B-054	100.0	mPVC	100.0	-0.0182	-0.0070	36	0.00	0.00	0.00	0.000
876	P-21	75	B-039a	J-20	150.0	mPVC	100.0	-0.0467	-0.0179	42	0.00	0.00	0.00	0.000
486	P205HLZ	117	S-054	S-039	100.0	mPVC	100.0	0.0180	0.0239	57	0.00	0.00	0.00	0.000
356	P076LLZ	158	J-276	L-043	100.0	mPVC	100.0	0.0183	0.0245	36	0.00	0.00	0.00	0.000
575	P008LLZ	79	L-012	L-007	100.0	mPVC	100.0	0.0136	0.2531	40	0.03	0.00	0.00	0.000
817	P-1	88	S-016	A-01	100.0	mPVC	100.0	-0.0162	-0.0060	35	0.00	0.00	0.00	0.000
657	P302HLZ	96	B-065	B-064a	100.0	mPVC	100.0	0.0150	0.0198	59	0.00	0.00	0.00	0.000
852	P186HLZ(1)	49	S-030	J-12	100.0	mPVC	100.0	-0.0110	-0.0050	57	0.00	0.00	0.00	0.000
483	P208HLZ	195	S-041	S-040	100.0	mPVC	100.0	0.0136	0.0181	57	0.00	0.00	0.00	0.000
984	P-41	159	J-53	J-54	100.0	mPVC	100.0	0.0150	0.0199	60	0.00	0.00	0.00	0.000
1279	P161HLZ(2)	108	J-151	S-034	100.0	mPVC	100.0	0.0152	0.0196	46	0.00	0.00	0.00	0.000
935	P-35	162	J-38	J-39	100.0	mPVC	100.0	0.0143	0.0907	37	0.01	0.00	0.00	0.000
498	P193HLZ	125	S-047	S-032	100.0	mPVC	100.0	0.0160	0.0216	55	0.00	0.00	0.00	0.000
1083	P-64	136	J-84	J-81	100.0	mPVC	100.0	0.0131	0.0169	44	0.00	0.00	0.00	0.000
1407	P261HLZ(2)	72	P9 Low Point	B-066	100.0	mPVC	100.0	0.0105	0.0139	62	0.00	0.00	0.00	0.000
1270	P167HLZ(2)(2)	74	J-149	S-036	100.0	mPVC	100.0	-0.0153	-0.0048	52	0.00	0.00	0.00	0.000
471	P217HLZ	100	B-007	B-011	100.0	mPVC	100.0	0.0111	0.0143	58	0.00	0.00	0.00	0.000
646	P313HLZ	108	B-031a	B-038a	150.0	mPVC	100.0	0.0282	0.0368	49	0.00	0.00	0.00	0.000
383	P280HLZ	154	B-079	B-042	250.0	mPVC	110.0	-0.0303	-0.0116	40	0.00	0.00	0.00	0.000
354	PRV-2-A	2	823-A	PRV-2	250.0	mPVC	110.0	0.0000	0.0000	39	0.00	0.00	0.00	0.000
355	PRV-2-B	3	823-B	823-B	250.0	mPVC	110.0	0.0000	0.0000	39	0.00	0.00	0.00	0.000
382	P281HLZ	39	823-B	B-079	250.0	mPVC	110.0	0.0000	0.0000	39	0.00	0.00	0.00	0.000
384	P279HLZ	87	TeviotRdConnection1	823-A	250.0	mPVC	110.0	0.0045	0.0060	0	0.00	0.00	0.00	0.000
385	P366LLZIRRI	15	L-SCHOOL	I-SCHOOL	150.0	mPVC	100.0	0.0000	5.4000	43	0.31	0.00	0.00	0.000
414	P262HLZ	122	B-042	B-041	250.0	mPVC	110.0	-0.0773	-0.0295	45	0.00	0.00	0.00	0.000
462	P226HLZ	142	B-024	B-021	100.0	mPVC	100.0	-0.0010	0.0016	59	0.00	0.00	0.00	0.000
500	P191HLZ	37	S-003	B-066	100.0	mPVC	100.0	0.0000	0.0000	60	0.00	0.00	0.00	0.000
725	P367LLZIRRI(2)	128	J-1	T-1005	200.0	mPVC	110.0	0.0000	0.0000	40	0.00	0.00	0.00	0.000
827	P-2	26	A-01	J-2	100.0	mPVC	100.0	0.0000	0.0000	38	0.00	0.00	0.00	0.000
829	P-3	27	J-3	S-016	100.0	mPVC	100.0	0.0000	0.0000	36	0.00	0.00	0.00	0.000
831	P-4	41	S-017	J-4	100.0	mPVC	100.0	0.0000	0.0000	40	0.00	0.00	0.00	0.000
833	P-5	137	S-120	J-5	100.0	mPVC	100.0	0.0000	0.0000	39	0.00	0.00	0.00	0.000
911	P118LLZ(1)	3	L-035a	J-32	100.0	mPVC	100.0	0.0298	0.6261	45	0.11	0.00	0.00	0.000
937	P223HLZ(1)	5	B-016	J-40	150.0	mPVC	100.0	-0.0437	-0.0170	51	0.00	0.00	0.00	0.000
987	P284HLZ(2)	7	J-55	B-050	100.0	mPVC	100.0	-0.0186	-0.0079	44	0.00	0.00	0.00	0.000
1146	P-76	189	I-SPORT&RECPARK	J-101	200.0	mPVC	120.0	0.0000	0.0000	47	0.34	0.00	0.00	0.000

1305	P-148	12	J-160	B-049a	100.0	mPVC	100.0	-0.0273	-0.0105	36	0.00	0.00	0.00	0.000
1329	P-149	62	S-019	J-161	100.0	mPVC	100.0	0.0000	0.0000	41	0.00	0.00	0.00	0.000
1368	P-157	18	J-1	J-AFL maintenance shed	150.0	mPVC	100.0	0.0000	0.0000	40	0.00	0.00	0.00	0.000
1375	P-166	20	J-180	J-181	100.0	mPVC	100.0	0.0000	0.0000	59	0.00	0.00	0.00	0.000
1406	P-168	4	J-184	J-Primary School	200.0	mPVC	110.0	0.0000	0.0000	43	0.00	0.00	0.00	0.000
1467	P261HLZ(1)	29	B-065	P9 Low Point	100.0	mPVC	100.0	0.0105	0.0139	59	0.00	0.00	0.00	0.000
1499	P-189	13	J-High School	I-High School	150.0	mPVC	100.0	0.0000	7.2400	41	0.41	0.00	0.00	0.000
1552	P-202	6	L-SPORT&RECCCLUBHOUSE	I-Sport and Rec Irrigation Node	150.0	Ductile Iron	100.0	0.0000	10.8000	38	0.61	0.00	0.00	0.000
1555	P-142(2)	36	J-227	S-044a	100.0	mPVC	100.0	0.0000	0.0000	55	0.00	0.00	0.00	0.000
1558	P-143(2)	40	J-228	S-046	100.0	mPVC	100.0	0.0000	0.0000	54	0.00	0.00	0.00	0.000
584	P-153(2)	37	J-229	S-047	100.0	mPVC	100.0	0.0000	0.0000	55	0.00	0.00	0.00	0.000
601	P351HLZ	43	S-033	B-075	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
944	P336HLZ	41	B-066	B-067	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1134	P294HLZ(1)	111	B-015	J-43	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1509	P-73	28	J-98	B-010	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1512	P219HLZ(2)	28	J-221	B-008	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1551	P-207	177	J-49	J-1	200.0	mPVC	110.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1554	P-142(1)	28	B-068a	J-227	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
1557	P-143(1)	25	B-068b	J-228	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
	P-153(1)	22	J-164	J-229	100.0	mPVC	100.0	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)

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APPENDIX F – PREVIOUS WATER NETWORK MODEL INVESTIGATION REPORT



Premise

MIRVAC

Everleigh Development

WATER SUPPLY NETWORK MODEL INVESTIGATION REPORT

Report No: MIRSGB/R02003394

Rev: B

28 September 2020

**PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL**

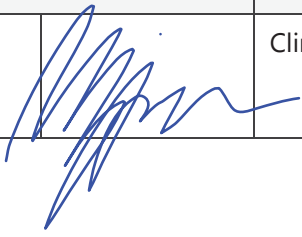
Approval no: DEV2016/768

Date: 4 March 2021



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1. INTRODUCTION

Mirvac engaged Premise to undertake a hydraulic modelling investigation of the internal water supply network for a 3451 Lot Everleigh development located in the suburb of Greenbank, Logan City. The development is located off Teviot Road on land parcels described as 434/RP845844, 9/S312355 and 205/RP845844.

The development forms part of a major urban community which is under the control of Economic Development Queensland (EDQ). The gross area of the site is approximately 481 hectares and is situated in the Greater Flagstone PDA declared under the Economic Development Act 2012.

The intent of this study is to undertake an assessment of the water supply system for the development site to ensure compliance with Logan Water Infrastructure Alliance's (LWIA) Desired Standards of Service (DSS). This report also provides professional engineering advices on relevant servicing requirements for the site as new land stages are progressively released.

2. OBJECTIVES

The objectives of this study are as follows: -

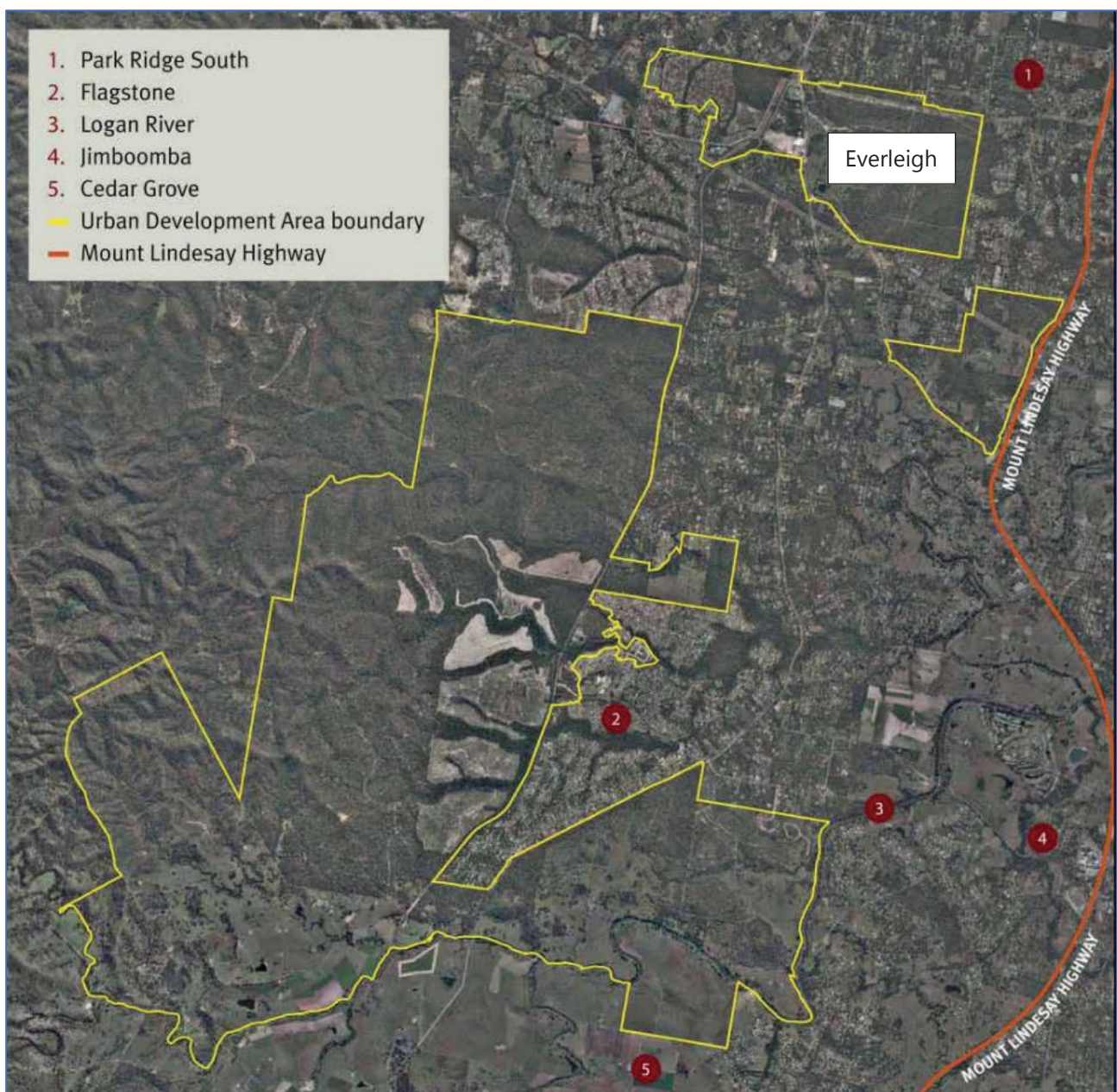
1. Review LWIAs water supply strategy reports prepared for the Greater Flagstone Priority Development Area (PDA) which includes a strategy report for the Greenbank region;
2. Establish an equivalent population estimate (EP) for the development site which includes 3,452 residential allotments, a Neighbourhood Centre, a Primary School and a Regional Sports and Recreation Park;
3. Establish a network model incorporating the as built infrastructure for Precinct 1 and school site, as well as modifications proposed by LWIA in respect to external servicing requirements;
4. Assess and identify the network infrastructure required to service demands attributable to the ultimate development population as well as any interim stages;
5. To ensure that LWIA are made aware of any inherent risks associated with servicing the development;
6. Present all findings and recommendations in a technical investigation report demonstrating that the whole of the development site can be reliably serviced in line with LWIA's Desired Standards of Service (DSS).

All investigations were undertaken in consultation with LWIA's Planning staff to ensure alignment with anticipated future direction and strategy for external infrastructure proposed for the greater Greenbank Region.

3. SITE DESCRIPTION

The proposed development site is bounded to the east by Teviot Road and Greenbank Road to the south. There are existing developed lots located on the eastern fringe of development site (these being in the Wearing Park Area). Access to the development site is currently via Teviot Road on the west side. A further (future) access to the site will be provided via Greenbank Road on the southern side once development proceeds in that particular area. A concept plan for the proposed Everleigh Development in the context of the Greater Flagstone PDA is shown indicatively below in Figure 3.1.

Figure 3.1: Greater Flagstone UDA Context Plan (extract from Greater Flagstone UDA Development Scheme)



The developable area of the site is estimated to be in the order of 397 hectares and consists of several different land uses, areas and lot yields, all of which are summarised in Table 3.1.

The total residential yield is estimated to be in the order of about 3,451 lots. An indicative lot layout and contour plan of the overall development site is included in Appendix A.

Table 3.1: Land Uses and Lot Yield

Land Use	Area (Ha)	Approximate Number of Lots
Residential (including a mixture of Standard Residential and Medium Density Residential Lots)	240	3,451
Neighbourhood Centre	5	
State Primary School	7	
Regional Sports and Recreation Park	25	
Total	397	3,451

The elevation of the developable land varies from about RL 30 (Precincts 5, 6 and 7) to RL 73 (Precinct 11 and 12).

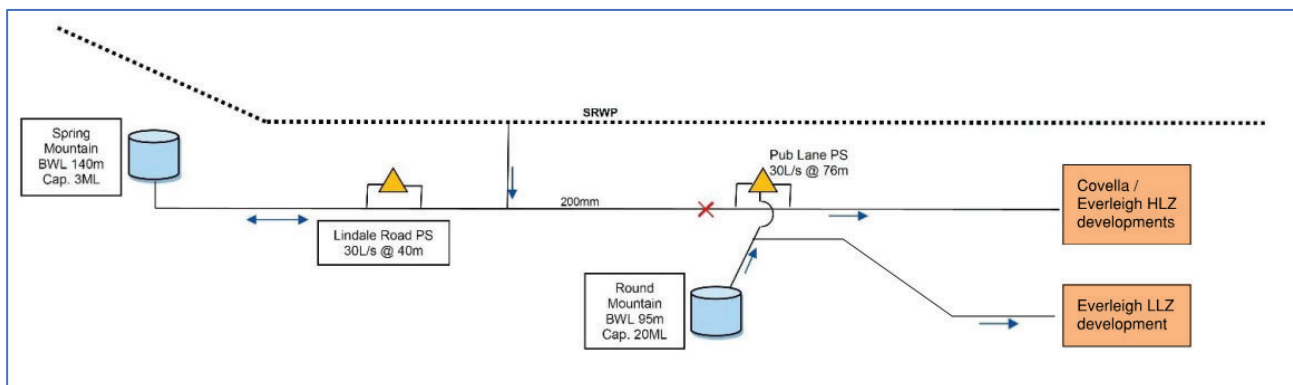
4. WATER SUPPLY NETWORK AND PROPOSED SERVICING STRATEGY

Existing developed areas within the Greater Flagstone Region are currently serviced via two main reservoirs, these being as follows: -

- Round Mountain Reservoir (BWL of RL95); and
- Spring Mountain reservoir (BWL 140m).

The above infrastructure is shown indicatively on Figure 4.1.

Figure 4.1: Schematic representation of LCC servicing strategy (Option 2, LS-021)



4.1 EVERLEIGH DEVELOPMENT AS BUILT AREAS

Mirvac has obtained approval from LCC to proceed with Precinct 1 located on the southern side of Everleigh Drive (which comprises approximately 365 Lots) and the school site and associated infrastructure which is located centrally within the development. At the time of writing this report, individual lots within Precinct 1 were being sold and developed and construction on the bulk earthworks and roadworks for the school site had commenced.

Water supply to Precinct 1 and the school site is currently sourced from the Teviot Road trunk main which under the present distribution strategy is supplied from Spring Mountain Reservoir which has a BWL at RL140. To ensure network pressures are maintained within DSS guidelines, a pressure management device has been installed on the DN250 supply offtake from the existing Teviot Road trunk main.

4.2 LWIA PROPOSED SERVICING STRATEGY

The current water supply servicing arrangement supplying new and existing developed areas in the Greenbank region is proposed to be modified. According to LWIA's Planning and Investigation Report for the Greenbank Region (Ref 4), all elevated areas located within the proposed "Everleigh" and the "Covella" development sites will be serviced via a pressure boosted supply from Round Mountain reservoir. The works will be facilitated via the implementation of a second set of pressure boosting pumps in the existing Pub Lane Pump Station.

Developed areas located on the western side of Pub Lane Pump station will be serviced via existing Pub Lane pumps as well as the Lindale Road Pump Station boosting supply into Spring Mountain Reservoir. The regions

located to the west of Pub Lane Pump station are not the subject of this investigation and have not been considered further in this report.

In summary, under the revised servicing strategy, allotments situated on land with elevation less than RL50 will be serviced directly from Round Mountain reservoir via the existing trunk main along Greenbank Road. All elevated allotments (i.e. land parcels situated on land with elevations greater than RL50) will be serviced via the proposed boosted supply arrangement from Pub Lane pump station.

Further information concerning LWIAs proposed servicing strategy for the Greenbank and surrounding areas is provided in the above referenced report. A schematic representation of LWIAs proposed servicing strategy is presented in Figure 4.1.

The proposed Everleigh development will be provided with a network of reticulation mains which will be adequately sized to service the water supply and firefighting needs for all developed lots. All water infrastructure will be designed according to the SEQ Code, LWIA development guidelines and other guidelines and standards referenced herein this report.

The elevated region of the Everleigh network, i.e. all allotments and land parcels situated on elevated land above RL50 are hereafter referred to as the High-Level Zone (HLZ). The region containing allotments and land parcels on land less than RL 50 is referred to as the Low-Level Zone (LLZ).

5. EQUIVALENT POPULATION ASSESSMENT

The Everleigh development will comprise a combination of approximately 3,451 residential allotments, a Neighbourhood Centre, a Primary School and a Regional Sports and Recreation Park. The equivalent population corresponding to each land use has been determined based on values provided in the Greater Flagstone PDA Sub-Regional Infrastructure Agreement for residential land use whereas non-residential uses have been estimated based on values provided in the approved IMP (ref 6).

The network model has been produced based on a development layout that has a density which is considered as the projected upper limit for the site. Adopting the upper limit provides flexibility within the model for protentional future planning layout alterations.

The use conversion factors (EP/unit), as provided in the Greater Flagstone PDA Sub-Regional Infrastructure Agreement, has been adopted in the network modelling and can be found Table 5.1 below.

Table 5.1: Demand Limit – Use Conversion Factors (Greater Flagstone PDA Sub-Regional Infrastructure Agreement)

USES			CONVERSION FACTORS
Residential Uses	Pre 1 January 2016	detached dwelling	2.91EP/dwelling
		attached dwelling	1.83EP/dwelling
	On or after 1 January 2016 7 Ha	detached dwelling	2.8EP/dwelling
		attached dwelling	1.78EP/dwelling
Retail uses (excluding showrooms)			30EP/ha
Showrooms			30EP/ha
Commercial uses			30EP/ha
Industrial uses			30EP/ha
Service, community and other uses (excluding child care centre and educational establishment)			30EP/ha
Child Care Centre			0.25EP/pupil and staff
Educational establishment	Primary school		0.1EP/pupil and staff
	Secondary school		0.1EP/pupil and staff
	Any other educational establishment		0.1EP/pupil and staff
Sport, recreation and entertainment uses			30EP/ha
Tourism uses			30EP/ha
Rural uses			30EP/ha
Mixed use (being a development combining residential uses and any other use)			The conversion factor for the Residential uses and, if the mixed use includes a Child care centre or Educational establishment, the conversion factor for the Child care centre and Educations establishment (as applicable and as set out above) plus 15EP/ha
Any other uses			30EP/ha

A summary of the population estimates for each land use within the development site is presented below in Table 5.2.

Table 5.2: Equivalent Population (EP) Assessment

Land Use	Dwellings	Unit Rate	Residential EP	Non-residential EP	Total EP
Residential use – detached dwelling	3,159	2.8EP/dwelling	8,845	-	8,845
Residential use – detached dwelling	674	1.78EP/dwelling	1,199	-	1,199
Retail uses (excluding show rooms)	-	30EP/ha	-	102	102
Showrooms	-	-	-	-	-
Commercial uses	-	-	-	-	-
Industrial uses	-	-	-	-	-
Service, community and other uses	-	30EP/ha	-	96	96
Child care centre	-	-	-	-	-
Educational establishment	-	1.05EP/ha*	-	368*	368*
Sport, recreation and entertainment uses	-	-	-	26 [#]	26 [#]
Tourism uses	-	-	-	-	-
Rural uses	-	-	-	-	-
Mixed use	-	-	-	-	-
Any other uses	-	-	-	-	-
Total	3,833		10,045	592	10,636

* It was determined that the nominated Greater Flagstone PDA Sub-Regional Infrastructure Agreement value for the school site was too low and hence this higher EP value has been adopted (1.05 EP/Ha).

[#] Value was adopted in accordance with the EDQ approved MWH Water and Sewer IMP.

The approximate fraction split in population between the HLZ and LLZ within the Everleigh development is estimated to be in the order of about 60 / 40 respectively.

Initial staging for the proposed Everleigh development has already commenced with Precinct 1 (which comprises approximately 365 Lots) located on the south side of Everleigh Drive and the Primary School site located on the northern side of Ivory Parkway. Future development will generally proceed in a northerly clockwise direction (away from Everleigh Drive) in line with the staging plan presented in Appendix B.

Based on the approved Water and Sewer Infrastructure Master Plan (ref 6) for Everleigh, the uptake (or sales) of residential allotments in Everleigh is estimated to be in the order of about 18 lots per month or 216 lots per year. Based on these figures, growth in residential and non-residential lots (as well as population) can be calculated, refer Table 5.3 below.

Table 5.3: Everleigh Development Population Projections

Planning Horizon	Residential EP	Non-Residential EP (1)	Total
2020	365 detached dwellings @2.8EP/dwelling = 1,022EP		1,022EP
2025	1,333 detached dwellings @2.8EP/dwelling = 3,979EP 167 attached dwellings @1.78EP/dwelling = 297EP	State Primary School (368EP) Neighbourhood centre (198EP) Sport & Recreation (26EP)	4,868EP
2030	2,378 detached dwellings @2.8EP/dwelling = 6,658EP 279 attached dwellings @1.78EP/dwelling = 497EP	State Primary School (368EP) Neighbourhood centre (198EP) Sport & Recreation (26EP)	7,747EP
2035	3,159 detached dwellings @2.8EP/dwelling = 8,845EP 674 attached dwellings @1.78EP/dwelling = 1,199EP	State Primary School (368EP) Neighbourhood centre (198EP) Sport & Recreation (26EP)	10,636EP
Ultimate	10,044EP	592EP	10,636EP

The proposed development layout for Everleigh is subject to change as planning for the development continues to occur. Revision to the configuration and sizing of water mains and related infrastructure may be required if the lot yield or development layout was to change significantly to that assessed herein.

Further to the above, the rate of population growth within the subject region is based on advices of developers and service providers. Projections given herein should be considered as indicative only and be subject to an ongoing review by the developer.

6. WATER DEMANDS

6.1 Residential and Non-residential water demands

In accordance with LWIAs Desired Standards of Service (DSS) (Ref 1), an average day potable water demand (AD) of 165 L/EP/day has been adopted for this study. In addition to this demand, an “unaccounted for” water allowance of 25 L/EP/day has also been factored into the assessment.

A summary of the demands and peaking factors adopted for this investigation are summarised in Table 6.1.

Table 6.1: Design Parameters - Water Demands and Modelling Factors

Parameter	Adopted Value	
	Residential	Non-Residential
AD Demand	165 L/EP/day	165 L/EP/day
Unaccounted for	25 L/EP/day	25 L/EP/day
MDMM / AD Ratio	1.3	1.2
MD / AD Ratio	1.7	1.3
PH / AD Ratio	3.1	2.0

AD = Average Day

MDMM = Mean Day Maximum Month

MD = Maximum Day

PH = Peak Hour

Based on the population assessment and demand factors, the equivalent maximum day demand for Everleigh is estimated to be in the order of about 39 L/s excluding irrigation and firefighting demands. Peak hour demands may be as high as 67 L/s. Refer below for LWIA’s requirements relating to firefighting and irrigation demands.

6.2 Firefighting

In accordance with LWIA’s DSS, design firefighting flow rates for the likes of residential and commercial development in the Logan Region is 15 L/s (2 hours) and 30 L/s (4 hours) respectively. The minimum network pressure criterion during a firefighting event is 12 metres at the property boundary to the subject site and at any point within the network. Firefighting demands are to be applied to the model simultaneously when background demands are equivalent to two thirds of peak hour (PH).

6.3 Irrigation

It is being proposed that parks and general open space within the development site will be irrigated using harvested stormwater as the primary source of supply. Mirvac have advised that when stormwater supply source is unavailable, the potable water network may be needed from time to time to supplement irrigation demands. For this reason, the potable water network will need to be sized to ensure that irrigation demands can be accommodated.

Table 6.2 presents a summary of the likely irrigation areas and corresponding irrigation demands considered for this assessment.

Table 6.2: Irrigation Demands

Area	Approx. Area (Ha)	Irrigation Demand (L/s)	Irrigation Times (hrs)	Precinct
Low Level Zone				
Major Linear Park 801 (I-01)	0.79	1.8	4	P1
Regional Recreation Park 802 (I-02)	1.52	3.5	4	P1
Neighbourhood Park 803 (I-03)	0.50	1.2	4	P1
Regional Recreation Park 804 (I-04)	1.04	2.4	4	Between P1 & P9
Regional Recreation Park 805 (I-05)	0.54	1.2	4	Between P1 and BSF
Neighbourhood Park P3 (I-06)	0.53	1.2	4	P3
Park P9 (2 areas) (I-10)	0.97	2.2	4	P9
Sports and Rec Park	24.6	37.9 (reduced by 40% = 21.7 L/s) – Refer note 1	6	Sport & Rec Park
Elevated Level Zone				
School (50%)	3.50	5.4	6	School
Park P3 (I-07)	0.27	0.6	4	P3
Park P5 (I-08)	0.46	1.1	4	P5
Neighbourhood Park P6 & P8 (I-09)	2.34	5.4	4	P6
Park P10 (3 areas) (I-11)	0.87	2.0	4	P11
Neighbourhood Park P11 (I-12)	0.72	1.7	4	P11
Park P11 (I-13)	1.27	2.9	4	P11

1. In the interest of limiting the instantaneous application rate and to avoid oversizing of water mains, the irrigation rate for the Sports and Recreation Park was adjusted to a marginally lower value.

7. HYDRAULIC MODELLING

7.1 Referenced Standards and Guidelines

Standards, codes and design guidelines considered relevant to this investigation are referenced in Section 10 of this report.

7.2 Model Establishment

Below is a summary of the parameters, assumptions and limitations adopted for the purpose of model establishment and analysis.

- The network model was established and assessed using Bentley WaterCAD Connect Series 2 software using the Extended Period Simulation functionality over three (3) consecutive maximum days (MD). It is noted for the purposes of providing modelling files to LCC / LWIA for their review, model output files will be provided directly from Bentley WaterCAD.
- The network model was developed and assessed accordance with the requirements of (in order of precedence):
 - Greater Flagstone PDA Sub-Regional Infrastructure Agreement;
 - LCC's / LWIA's Desired Standards of Service (DSS);
 - SEQ Design & Construction Code
- The external servicing strategy for Everleigh is based on Option #2 outlined in LWIA's Planning & Investigation Report, Greenbank Water Servicing Strategy Task Number: LS-021 (Revision E.1 dated 05/07/2018), stating that elevated regions will be serviced via a pressure boosted supply from Round Mountain and that non-elevated areas will be supplied via gravity from Round Mountain.
- Confirming that as per the correspondence received from LWIA (refer attached email dated 23/01/2020) a second connection will be provided into the estate off the Teviot Road trunk main into the HLZ. This is currently planned to occur at the intersection of Leanne Court / Teviot Road / Anderson Drive.
- It is assumed that the existing pressure management device (PRV) installed on Everleigh Drive which connects to the 300mm dia Teviot Road trunk main (i.e. to manage pressures within Precinct 1) will remain as the primary point of supply to the Elevated Zone (ELZ) until such time as the future stages are brought online in alignment with the current planned development staging. It is anticipated that an additional PRV will be required off the second connection into the HLZ at the intersection of Leanne Court / Teviot Road / Anderson Drive.
- The whole of site modelling has assumed that all currently designed / constructed water mains in Precinct 1, Ivory Parkway and the School Site will remain and will not be changing – i.e. these being fixed elements in the model.
- Under the ultimate supply strategy for the development, the high-level Pressure Zone (HLZ) is defined as all land situated above RL50 whereas allotments situated on land less than RL50 fall within the Low-level Pressure Zone (LLZ) which is supplied directly from Round Mountain Reservoir;
- The model for Precinct 1 within the Bentley WaterCAD model was established based on As Constructed / design plans.
- The model for future precincts was established based on the internal road network, allotment layout plans and latest master planning advice provided by Mirvac.
- Nodal elevations were based on the most recent whole of site bulk earthworks modelling completed by Premise.

- Boundary Conditions (BCs) were modelled as fixed Hydraulic Grade (HGL) conditions for the respective pressure zones under the ultimate peak hour demand and firefighting conditions (refer LWIA correspondence in Appendix C). A summary of the Boundary Conditions advised by LWIA for the respective pressure zones within the Everleigh Network are as follows.

Zone	BC (HGL m)
LLZ (Greenbank Rd)	85m
HLZ (Teviot Rd Spring Mountain Supply Zone)	120m
HLZ (Teviot Rd LWIA revised servicing strategy for Greenbank)	107m

- BCs are generally representative of the lowest possible HGL value experienced during peak hour demands. Maximum (off peak) pressures at the external connection locations were not advised by LWIA;
- The boundary between pressure zones is designated within the model via the absence of a pipe link or by inactive pipe topology;
- The following friction factors were adopted for internal reticulation mains within the model.

Pipe Size	HW C Factor
< = 150	110
150 to <= 300	120
>300 < = 600	130

- Average Day (AD) demands were applied to the model based on EP determinations, corresponding unit demands and unaccounted for water use defined in Sections 4 and Section 5 of this report;
- Demands were factored by a MD/AD ratio of 1.7 for residential areas and 1.3 for non-residential areas;
- Separate diurnal demand patterns were applied to the model for residential areas and commercial regions with maximum hour (MH) peaking factors of 1.83 (for residential areas) and 1.54 (for commercial areas);
- Firefighting demands were applied to the model based on LWIA DSS requirements;
- Non-essential demands (e.g. irrigation) were applied during off peak periods (e.g. midnight through 4am).
- External water storage upgrades were not assessed. It is assumed that LWIA will examine the requirement for upgrading existing storage reserves to support all approved future development within the region and that is not part of this assessment.
- Minimum pressure and related performance requirements for onsite irrigation appliances were not assessed. In instances whereby an onsite irrigation system requires a minimum pressure and/ or performance requirement over and above what can be provided by the Water Authority (which is what has been allowed for in our modelling), it is assumed that the respective property owner will design their own onsite infrastructure to ensure adequate service is able to be provided.
- In respect to firefighting, AS2419 may necessitate the need for fire hydrant coverage for the likes of a commercial development with a performance capability different (or potentially more onerous) to that required by LCC's / LWIA's Desired Standards of Service (DSS). In the event that an individual property (e.g. School) requires fire hydrant coverage and performance over and above the performance that LWIA can provide and the whole of site water model has allowed for, the property or lease owner will

need to assess and design their own onsite infrastructure to service such firefighting requirements in line with the relevant Australian Standard/s. Design firefighting requirements set down within AS2419 and related Australian Standards have not been assessed nor considered herein this report.

- It is assumed that all risks associated with the external servicing strategy (including provision for alternative supply) for the broader Greenbank area rests with the Water Authority and have not been considered in our whole of site water modelling.

7.3 Network Assessment

A hydraulic analysis was undertaken to assess the infrastructure required to service the proposed interim and ultimate stages of the Everleigh Development. A progressive approach was adopted to examine the behaviour and capacity of the network when subject to: -

- Interim "existing" Everleigh development demands (i.e. baseline demands from P1 and the School site);
- Interim "staged" Everleigh development demands (i.e. future demands attributable to P7 through P13); and
- Ultimate development demands (i.e. demands attributable to all precincts).

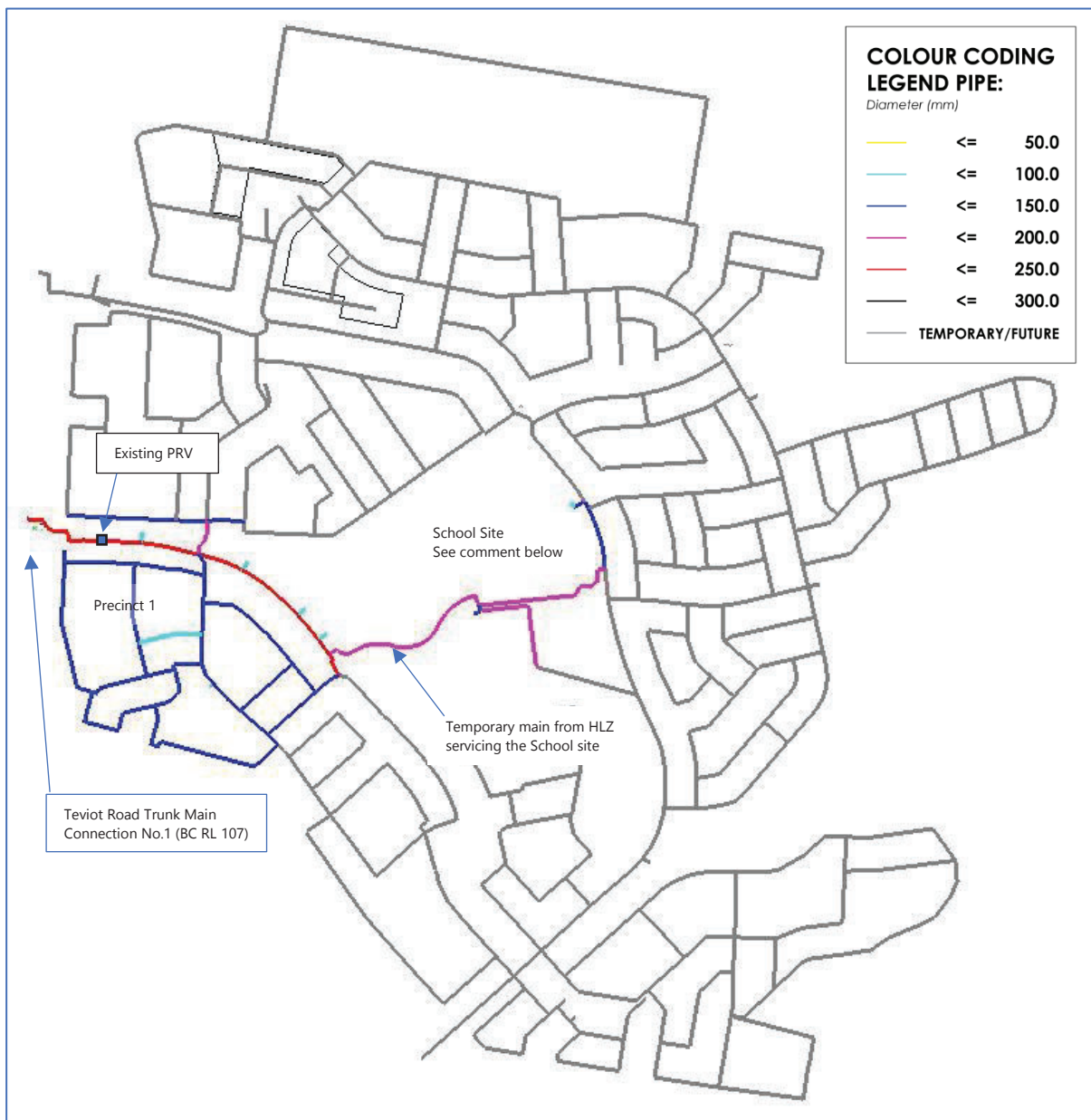
Results from the hydraulic modelling assessment are discussed and summarised in the following Sections. A full outline of the WaterCAD model output results including nodal and pipe flow parameters have been provided in Appendix E.

7.3.1 INTERIM DEVELOPMENT STAGE (PRECINCT 1 AND SCHOOL SITE)

Figure 7.1 presents an illustration of the water infrastructure servicing P1 as well as the temporary infrastructure servicing the school site. It should be noted that at the time of writing this report, all water mains indicated in Figure 7.1 had been constructed and were in service.

The water mains indicated in grey represent the water main layout attributable to future Precincts. The same colour coding applies to Figures 7.2 and 7.3.

Figure 7.1: Interim Development Stage (Precinct 1) and School Site (Existing Built Infrastructure)



At the time of writing this report, the water mains indicated in Figure 7.1 had already been constructed and were in service.

The school site was being serviced via a temporary DN200 main running in an easterly direction from the HLZ along Ivory Parkway and then along Anderson Drive as indicated by the pink and blue line shown on Figure 7.1. The main from the HLZ servicing the school site is considered temporary only until such time as the LLZ supply main from Round Mountain pressure zone (i.e. connection to Greenbank Road trunk main) is constructed.

Results from the modelling assessment for the existing network servicing Precinct P1 and the School are summarised as follows: -

The assessment revealed that all allotments within Precinct 1 are able to be serviced via a single connection to the Teviot Road trunk main (as indicated in Figure 7.1 above);

The maximum allotment elevation within Precinct 1 is estimated to be about RL 66. To ensure that pressures within P1 and school site comply with LWIA's DSS, it is recommended that the PRV be set to maintain downstream pressures at a value not exceeding RL96. Based on the PRV set point value, pressures were assessed to be about 30m at the highest elevated lot in P1 and about 52m at the school site.

The existing PRV must remain in service until such time as the LLZ supply main from Greenbank Road is constructed and placed into service. Pressure settings for the PRV will most likely need to be continually adjusted as new land stages (at higher elevations) are progressively released.

When the network was subject to firefighting demands, pressures in P1 and in the vicinity of the school site remained well in excess of 12m;

Hydraulic losses and velocities in network pipes during peak hour demands remained well within DSS guidelines.

A summary of the model results for Precinct 1 are presented in Appendix D of this report.

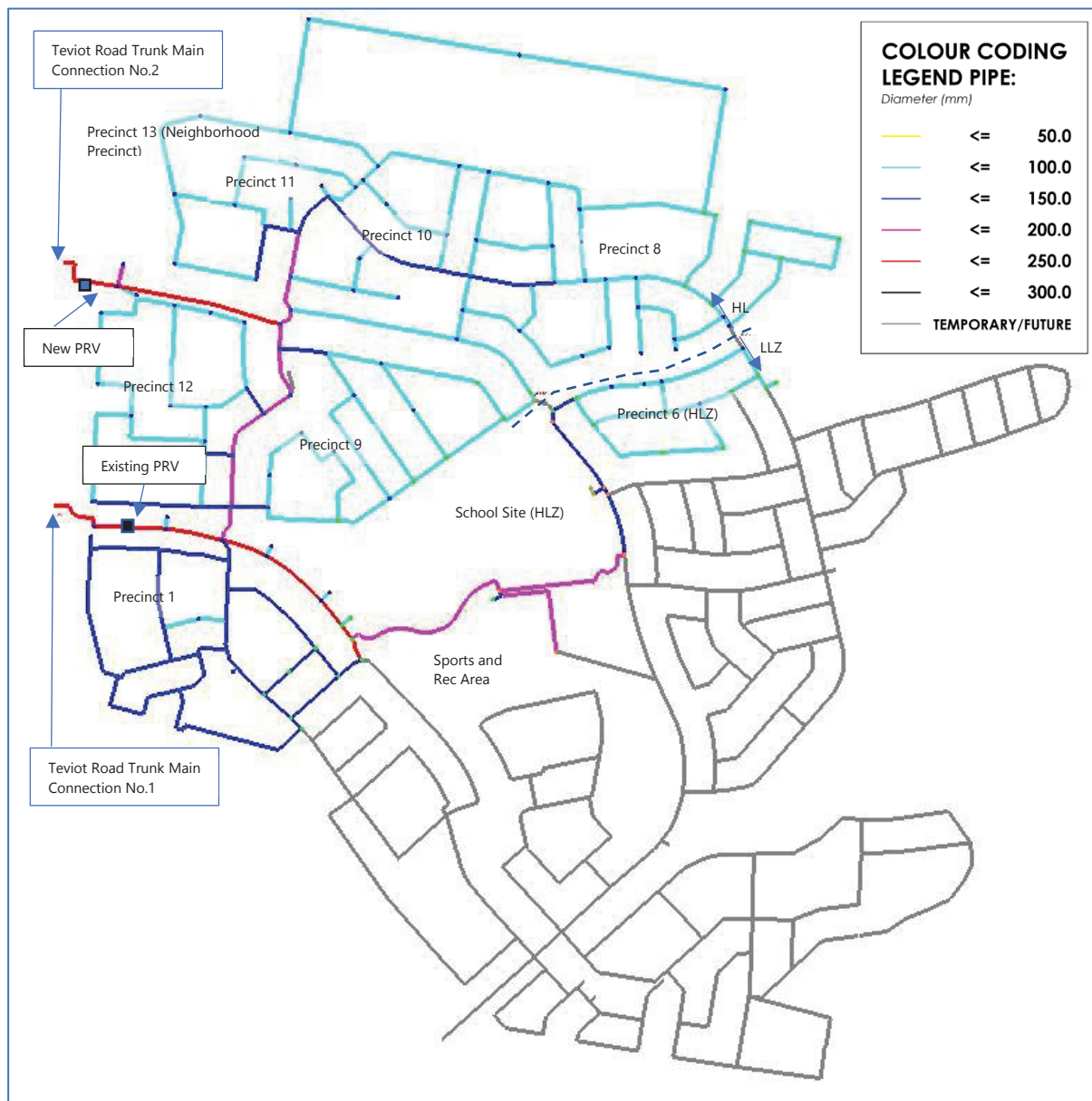
7.3.2 INTERIM DEVELOPMENT STAGES (P6 TO P12)

Mirvac is planning to develop the elevated regions of the Everleigh development initially as shown in the preliminary Precinct Staging Plan presented in Appendix B. The sequence of development will generally proceed in a clockwise direction commencing with P12 located immediately north of Everleigh Drive followed by P9 etc. The intended construction sequence for the various Precincts within the Everleigh Development is as follows.

- Precinct 1 (P1) – HLZ (existing);
- School Site (PS) – HLZ (existing);
- Precinct 12 – HLZ;
- Precinct 9 – HLZ;
- Precinct 13 (Neighbourhood Centre) – HLZ;
- Precinct 10 – HLZ;
- Precinct 11 – HLZ;
- Precinct 8 – HLZ;
- Precinct 6 – LLZ;
- Precinct 7 – LLZ;
- Precinct 5 – LLZ;
- Other Precincts (refer ultimate servicing scenario).

Figure 7.2 presents an illustration of the hydraulic model layout for the above mentioned HLZ Precincts as well as an interim servicing option for P6.

Figure 7.2: Interim Development Stage (Precincts 1, 6 and 8 to 12) and School Site



Comments in respect to the water modelling assessment for the above described interim staging plan are as follows.

Demands attributable to the above-mentioned precincts (i.e. all of the HLZ) will not be able to be accommodated via a single connection to the Teviot Road trunk main. The assessment revealed that the second connection to Teviot Road trunk main is required to ensure that network residual pressures (particularly within the developable regions located above RL70) and head loss gradients for internal reticulation are maintained within DSS limitations.

Further to the above, advice received from LWIA suggested that the provision of a single connection only to the HLZ (i.e. from the Teviot Road trunk main) may present a significant risk in that, if the primary point of supply from Teviot Road trunk main was removed from service for maintenance, repair or other reason, continuity of supply to approximately 2,300 customers will be disrupted. Accordingly, for this reason, LWIA

have requested Mirvac to provide a second connection to the HLZ from the existing Teviot Road trunk main to mitigate this risk.

With both external connections in place, all allotments are able to be reliably serviced in line with LWIA's DSS.

It is recommended that the second Teviot Road connection be constructed prior to developing P13 or any land located at RL70 or above.

To ensure compliance with LWIA's DSS in respect to minimum service pressures for Precincts P8 through P12 (with a maximum internal elevation of RL73) it is recommended that the PRV be set at a value to maintain internal network pressures not exceeding RL105. In the event that the School site is to be supplied via the temporary connection from the HLZ, the assessment revealed that pressures in the vicinity of the school site may exceed the maximum target pressure of 55m albeit only marginally. For this reason, it is recommended that Mirvac consult with the site engineers for the school and advise that marginally higher pressures may warrant installation of pressure management devices on the domestic water connections.

According to the preliminary staging plan, following completion of Precinct P8, future land stages (including P7) will generally proceed in a southerly direction towards Greenbank Road. Under the ultimate development scenario, Precinct P7 will be serviced via the LLZ connection from Greenbank Road. To facilitate the preferred interim staging for Precinct P7, two options have been considered, these being as follows: -

- construct a temporary cross connection main from the HLZ; or
- bring forward the capital works (i.e. trunk main from Greenbank Road) in advance of development works for within the LLZ.

Based on a review of the above options, the latter option may result in low pipeline flows and poor turnover in the distribution system (particularly during the early stages of development of P7). Such circumstances may impact on potable water quality (i.e. deterioration in free chlorine residual within the network) at the point of use and is hereby not recommended at this stage.

To avoid the need to manage concerns with water quality, it is recommended that Mirvac seek approval from LWIA to implement a temporary cross connection from the HLZ initially to service the properties in P7 above say RL45 (i.e. before constructing the supply main from Greenbank Road). Pressures in P7 will most likely exceed maximum target pressures if serviced via the HLZ albeit only marginally.

Development of the northern sections of Precinct P7 or a portion thereof should be sufficient to facilitate turn over in the distribution network which in turn will reduce the risk of incurring water quality issues when the trunk main from Greenbank Road is eventually constructed and placed into service.

Results from the hydraulic modelling assessment for Precincts P7 through P12 are summarised as follows. The assessment assumes that Mirvac will proceed with the option to service elevated properties (above RL45 in Precinct P7) via the temporary connection from the HLZ as described.

The assessment revealed that all allotments are able to be reliably serviced via the two independent connections to the external Teviot Road trunk main. With the two connections in service, hydraulic losses and pipe velocities within the HLZ distribution system during PH demands remained well within DSS guidelines and associated DSS parameters.

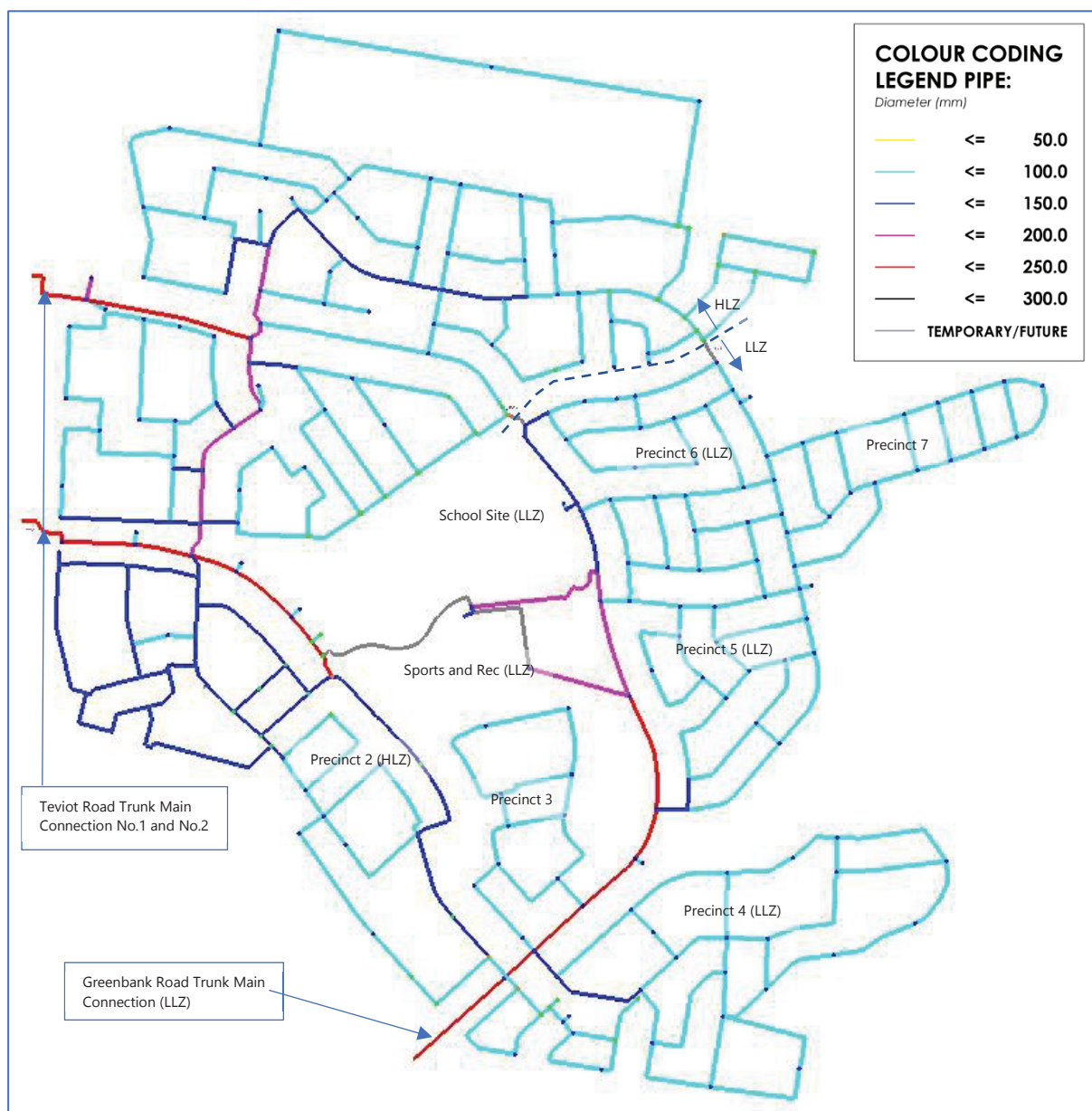
When subject to firefighting loads (i.e. 15 L/s for residential and 30 L/s for commercial), pressures within Precinct 6 and 8 through 12 remained well in excess of 12m.

A summary of the model results for the nominated interim stages of the development are presented in Appendix D of this report.

7.3.3 ULTIMATE DEVELOPMENT

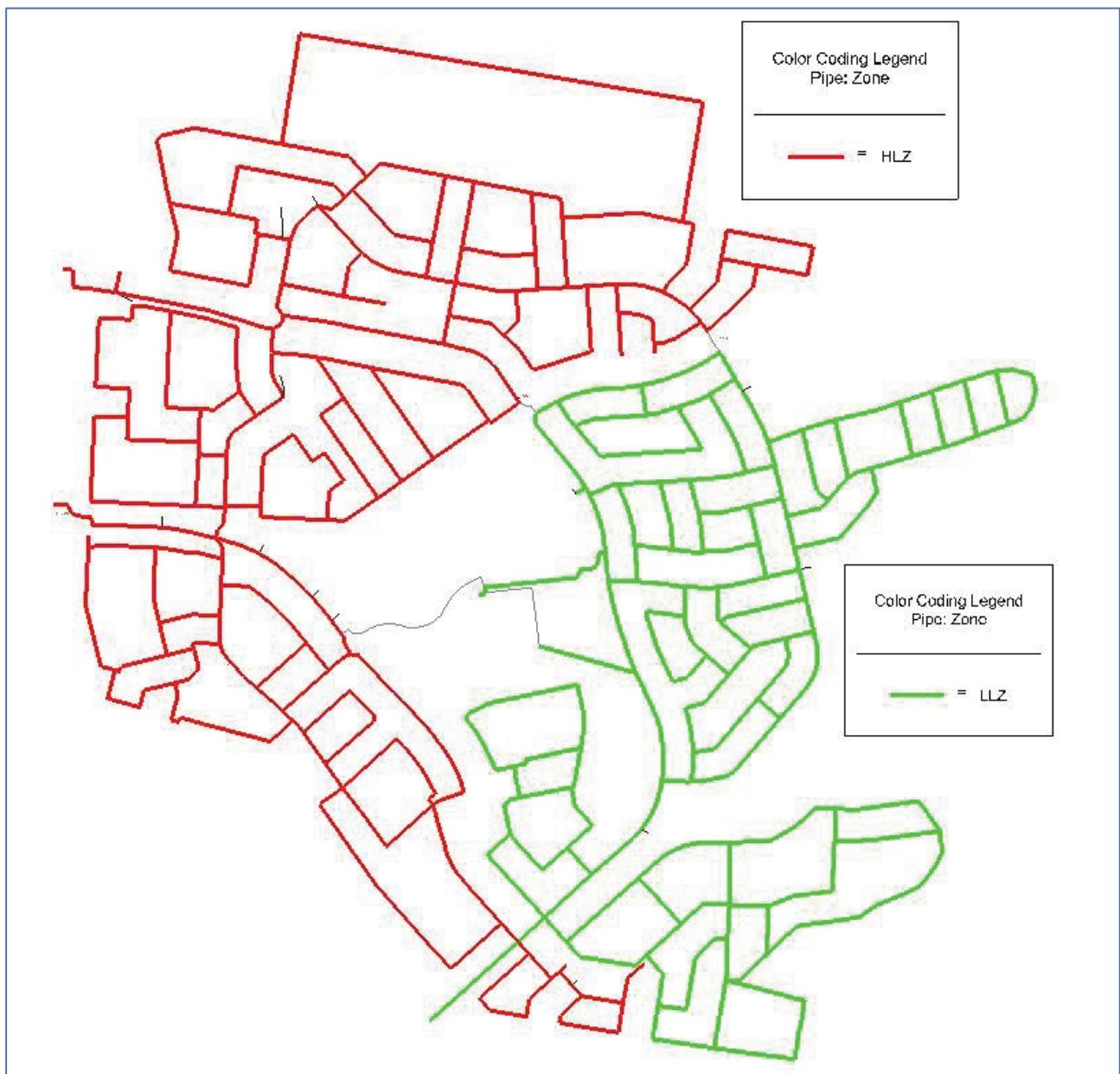
Figure 7.3 presents an illustration of the mains layout and hydraulic model for ultimate development scenario for Eveleigh. The temporary infrastructure provided to service interim stages of the Everleigh development as described in the previous section is assumed to be decommissioned prior to proceeding with developing future precincts under the ultimate scenario.

Figure 7.3: Ultimate Development



The extent of the HLZ and LLZ split is as designated in Figure 7.4.

Figure 7.4: HLZ and LLZ Water Network



The capacity of the ultimate Everleigh network was examined using the hydraulic model. The assessment work revealed that: -

The proposed network of mains has sufficient capacity to accommodate ultimate demands within both the HLZ and LLZ via the connection points to the external network at Greenbank Road and Teviot Road for the LLZ and HLZ respectively.

Based on the Boundary Condition advice for Greenbank Road trunk main, there is adequate pressure available in the network to service all elevated allotments up to and including RL50.

Ultimately, once all Precincts have been constructed and the external supply strategy has been modified, it is recommended that further hydraulic modelling be undertaken to confirm whether the PRV installed on the

Teviot Road trunk main offtake will be required (as it is understood that the original intent of the PRV assembly was to manage pressures from the Spring Mountain supply zone). If Pub Lane pump station is able to provide reasonably consistent and constant pressures to the serviced areas in the HLZ, there may be grounds to consider decommissioning the PRV as commented on above.

The proposed DN250 water main supplying the low-level zone from Greenbank Road (as well as a minor number of internal network mains in both the HLZ and LLZ) exceeded the recommended guideline value for head loss when irrigation demands were applied albeit only marginally. Having said this, pressures in the HLZ and LLZ remained in excess of the minimum DSS pressure criterion at all times. Accordingly, it is not recommended that internal network mains be upgraded simply for the purposes of irrigation as the potable water network in this instance is not the primary source of supply for the proposed irrigation demands.

Figure 7.3 illustrates the recommended permanent solution for all internal water supply network mains for the Everleigh development.

The output reports for residual pressures and other relevant network characteristics within the HLZ and LLZ under the ultimate development scenario are presented in Appendix D of this report.

7.4 OPERATIONAL RISK

Supply to the Everleigh development is proposed to be managed via independent connections from Greenbank Road (for the LLZ) and Teviot Road (for the HLZ).

Based on the assessment undertaken, the network is considered capable of reliably servicing development demands. However, in the event that either external connections are taken out of service for whatever reason, there is a risk that supply to a substantial number of customers will be interrupted. Such events may impose significant undue nuisance to the Service Provider by way of having to address numerous customer complaints and the like in respect to unplanned service outages and the like.

During the course of the investigation, LWIA requested that a secondary connection be provided to the HLZ from Teviot Road trunk main as a means to mitigate the risk.

For the LLZ, only one connection has been proposed (this being from Greenbank Road) to service approximately 1150 allotments as well as the School and Sports and Recreation facility. LWIA was consulted during the course of the project regarding the provision of a single point of supply to the LLZ. The consultation with LWIA also included a discussion in respect to the potential risk associated with the loss of supply if the Greenbank Road service was disrupted for whatever reason.

A subsequent agreement was reached with LWIA, this being to implement provisions for a cross connection with a temporary pressure management device (i.e. between the HLZ and LLZ) to facilitate supply continuity to the LLZ when the Greenbank Road service is disrupted.

Correspondence between Mirvac's appointed consultants and LWIA in respect to this matter is presented in Appendix C of this report.

8. SUMMARY

Below is a summary of the conclusions drawn from this report.

1. The current external strategy report relevant to the Everleigh Development is the Logan Water Infrastructure Alliance (LWIA), Planning & Investigation Report, Greenbank Water Servicing Strategy Task Number: LS-021. All referenced documents are listed in Section 10 of this report.
2. The recommended External Servicing Strategy for the Everleigh development is Option 2 indicating that elevated allotments (i.e. allotments above RL 50) be serviced via the boosted supply arrangement from Round Mountain. The remaining regions within the development site (i.e. LLZ) is proposed to be supplied via gravity from Round Mountain reservoir supply zone;
3. The equivalent population (EP) applicable to the overall Everleigh Development is estimated to be in the order of 10,636 EP (inclusive of residential and non-residential population);
4. A WaterCAD model was developed to model existing as built works (i.e. for P1 and temporary infrastructure to servicing the school site). The model was extended to include future proposed water infrastructure needed to service interim and ultimate demands within the respective precincts for the Everleigh development. Refer Figures 7.1 through 7.3 for the proposed water infrastructure and network layouts.
5. The PRV settings may need to be adjusted as new land stages are progressively released (i.e. to ensure adequate service pressures are delivered to elevated allotments). It is recommended that Mirvac notify the site engineers at school and advise them of the anticipated marginally higher residual pressures (in the short term whilst the site is supplied from the HLZ). Further, the engineers may opt to consider the installation of temporary pressure management devices on their domestic water connection
6. The preferred staging plan for Everleigh is to commence developing Precincts P12, P9, P13, P10, P11, P8 (all of which lie within the HLZ) followed by P6 and the balance of land located on the southern side of P6 in the LLZ. Servicing of Precincts in the HLZ can be achieved by simply extending the network in a northerly direction in line with the main sizes recommended in Section 7.
7. The second Teviot Road connection to the HLZ is required prior to developing P13 or any land located at RL70 or above.
8. The recommended interim servicing requirements for Precinct P6 is to supply all lots above RL45 via a temporary cross connection from the HLZ and seek a relaxation of the DSS maximum target pressure from LWIA until such time as the supply main from Greenbank Road is constructed.
9. The recommended action to service P6 from the HLZ will ultimately reduce the risk associated with incurring adverse water quality issues (i.e. in the event that servicing P6 from Greenbank Road proceeds in advance of development);
10. Operational risk issues associated with the development have been identified as part of the assessment, this being in relation to the provision for alternative servicing requirements for the respective internal pressure zones in the event that external supply was interrupted for any length of time. Provisions to implement a second connection to the HLZ has been stipulated as a requirement by LWIA whereas nothing has been specifically mentioned for the balance of land supplied from Greenbank Road. A recommendation has been made to raise this issue with LWIA for consideration with the intent to de-risk the process leading into the operational works stage for future Precincts.

9. RECOMMENDATION

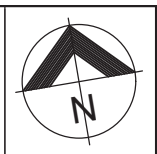
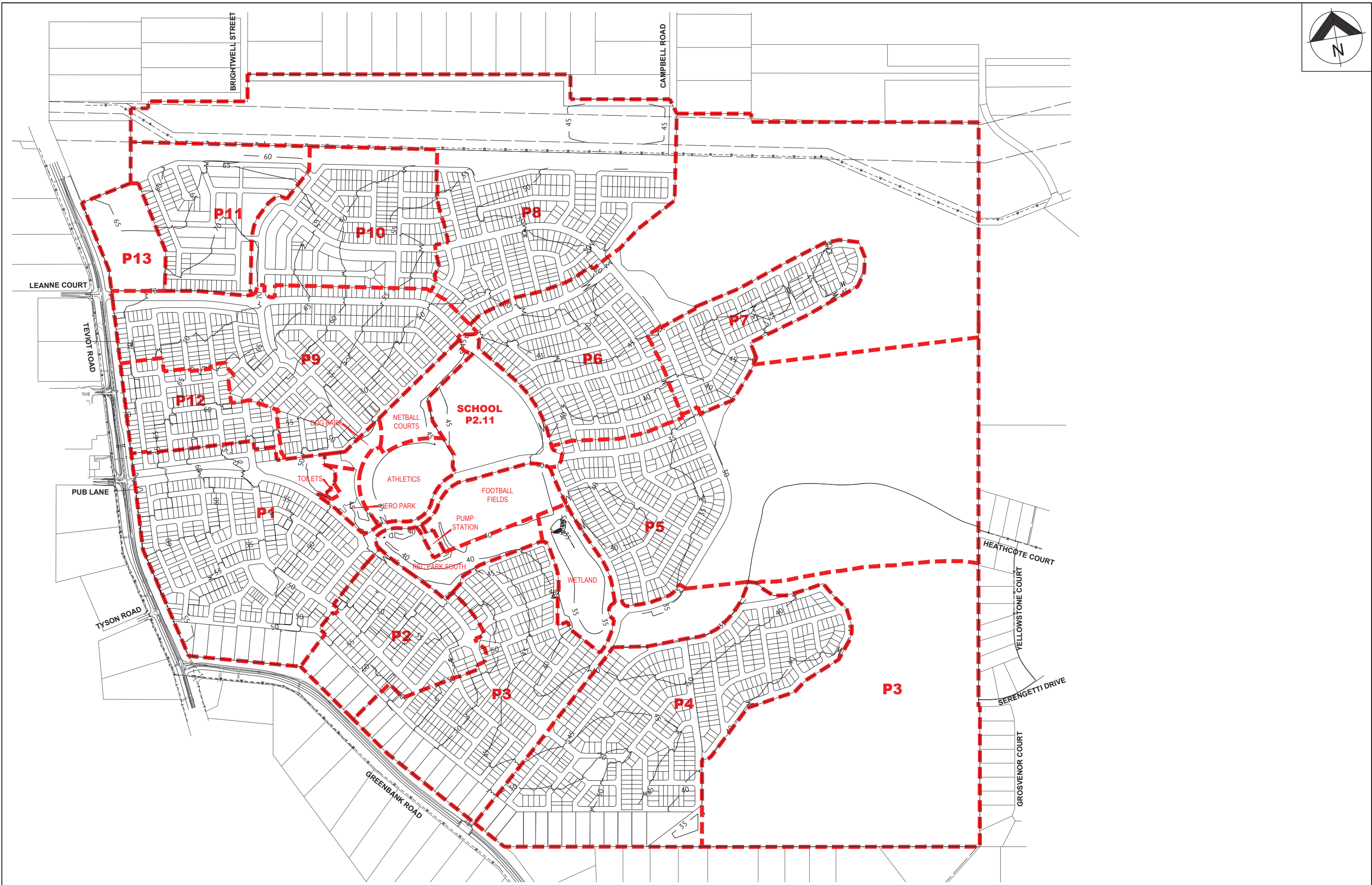
Based on the assessment work undertaken, it is recommended that Mirvac: -

1. adopt this technical report as a basis for model establishment, analysis and direction for the necessary water supply servicing requirements for the proposed Everleigh Development.
2. consult with the site engineers at the school and advise them that the site may experience marginally higher residual pressures whilst the site is supplied temporarily from the HLZ); and
3. consult with LWIA in respect to the operational risks in connection with the temporary supply arrangement to P6 as well as the limited alternative supply options available to the LLZ in the event that supply main from Greenbank Road is removed from service for whatever reason.

10. REFERENCES

1. Local Government Infrastructure Plan (LGIP), Summary of Extrinsic Material for the Water and Sewerage Networks (including Appendix 1 Desired Standards of Service for Water Supply Networks);
2. SEQ Water Supply and Sewerage Design & Construction Code (SEQ WS&S D&C Code), DESIGN CRITERIA.
3. SEQ Water Service Providers Water Supply Drawings;
4. Logan Water Infrastructure Alliance (LWIA), Planning & Investigation Report, Greenbank Water Servicing Strategy Task Number: LS-021
5. Logan Water Infrastructure Alliance (LWIA), Planning & Investigation Report, Logan South - Water Servicing Strategy Review Task Number: LS-018
6. MWH REPORT, Teviot Road, Greenbank Development - Water and Sewer Infrastructure Master Plan, Prepared for Mirvac, 29/5/2017
7. Water Supply Code of Australia (WSA03);
8. DNRW Planning Guidelines for Water Supply and Sewerage, 2005 (now referred to as DEWS);
9. Greater Flagstone PDA Sub-Regional Infrastructure Agreement

A.1 APPENDIX A - PROPOSED DEVELOPMENT LAYOUT AND CONTOUR PLAN

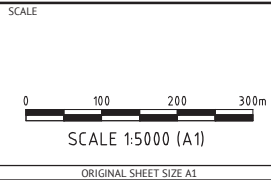


A		ORIGINAL ISSUE	REVISIONS		REC	APP
DATE	REV	DESCRIPTION				



BRISBANE OFFICE
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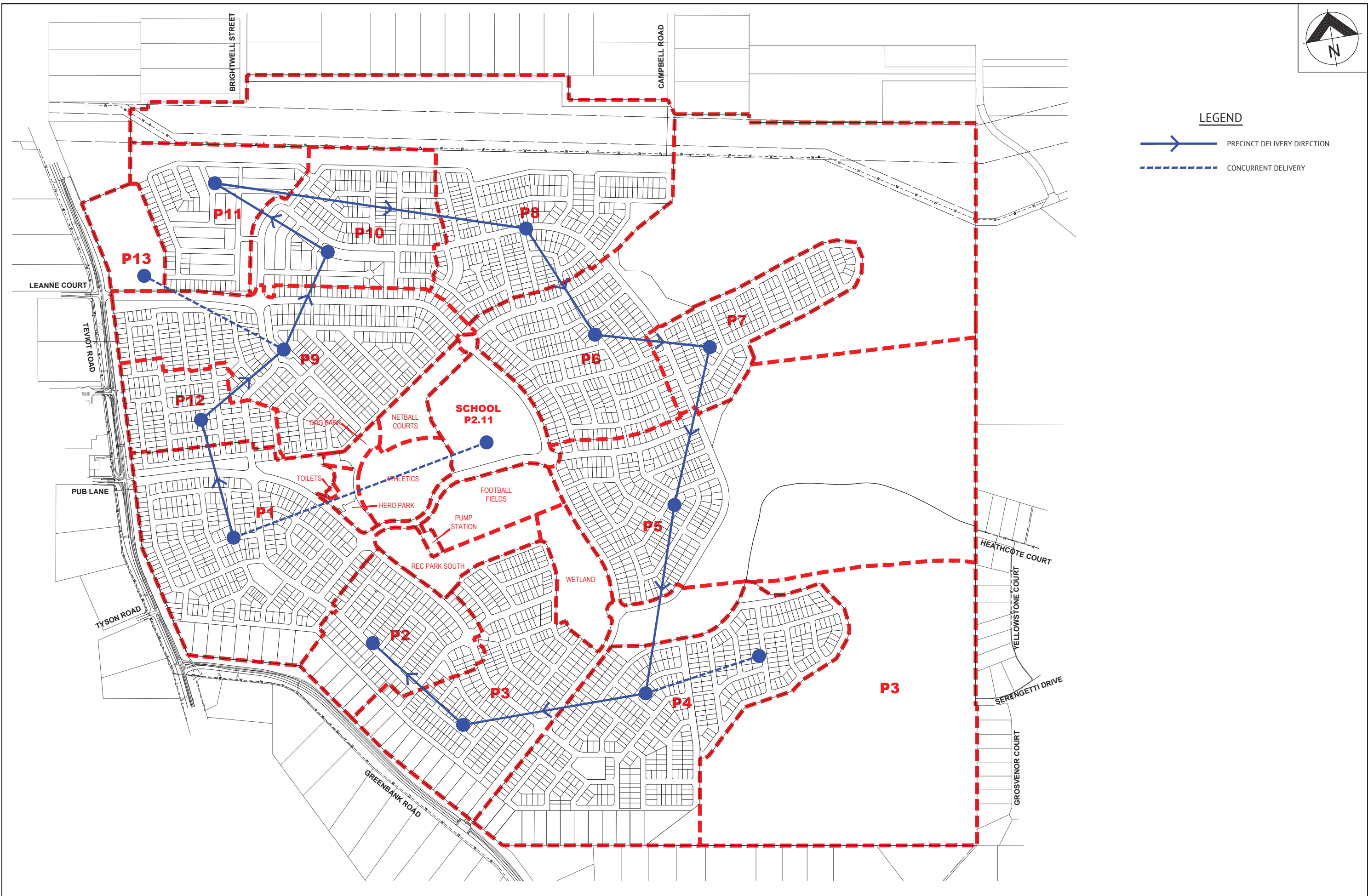
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CHECKED	
PROJECT MANAGER	
ENGINEERING CERTIFICATION	



CLIENT	MIRVAC
PROJECT	PROPOSED SUBDIVISION
LOCATION	GREENBANK ROAD, GREENBANK
SHEET TITLE	EVERLEIGH DEVELOPMENT LAYOUT AND CONTOUR PLAN

JOB CODE	MIRSGB
SHEET NUMBER	REV

A.2 APPENDIX B - EVERLEIGH STAGING PLAN



A		ORIGINAL ISSUE	REVISIONS		REC	APP
DATE	REV	DESCRIPTION				



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CHECKED	
PROJECT MANAGER	
ENGINEERING CERTIFICATION	

SCALE



SCALE 1:5000 (A1)

ORIGINAL SHEET SIZE A1

CLIENT	MIRVAC
PROJECT	PROPOSED SUBDIVISION
LOCATION	GREENBANK ROAD, GREENBANK
SHEET TITLE	FY21 Q3 OPC REF PLAN - PRECINCT SEQUENCING

JOB CODE	MIRSGB
SHEET NUMBER	OPC004
REV	A

A.3 APPENDIX C – LWIA CORRESPONDENCE (BOUNDARY CONDITION ADVICES)

Michael Majzner

From: Thomas, Jeremy <JeremyThomas@logan.qld.gov.au>
Sent: Friday, 5 June 2020 10:42 AM
To: Michael Majzner; tom.bradshaw@bbdengineering.com.au
Cc: WaterDA; Herath, Kumara; Ryan Llewelyn
Subject: RE: WDS Everleigh Mirvac CSR#2901059 REQUEST for Boundary Conditions - Everleigh Trunk Main Supply Points

Hi Michael,

Apologies for the delayed response.

From a planning perspective I don't see any issues with the proposed layout. A second connection to the high level area was driven by the need for contingency to support a large development without storage support. This in turn add some redundancy to the low level area (pressure management concerns aside).

Further future development may also provide a secondary connection to the Munruben network.

Kind Regards

Jeremy Thomas | Senior Planning Engineer-Project Manager | Water Infrastructure | **Logan City Council**
Phone: 07 3412 9667 | Mobile: 0406 803 497 | PO Box 3226 Logan City DC QLD 4114 |
JeremyThomas@logan.qld.gov.au
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From: Michael Majzner <michael.majzner@premise.com.au>
Sent: Thursday, May 21, 2020 3:45 PM
To: Thomas, Jeremy <JeremyThomas@logan.qld.gov.au>; tom.bradshaw@bbdengineering.com.au
Cc: WaterDA <WaterDA@logan.qld.gov.au>; Herath, Kumara <KumaraHerath@logan.qld.gov.au>; Ryan Llewelyn <ryan.llewelyn@premise.com.au>
Subject: RE: WDS Everleigh Mirvac CSR#2901059 REQUEST for Boundary Conditions - Everleigh Trunk Main Supply Points

Hi Jeremy,

Premise are chasing your input regarding the security of supply for the LLZ within Everleigh (circa 1500 lots).

We currently have a single connection from Greenbank Road trunk water main to service the LLZ within Everleigh. In the case of contingency conditions whereby supply is temporarily lost from the single Greenbank road connection, we have connectivity available to the HLZ (boosted Round Mountain supply) via boundary valves. We have undertaken some modelling for this scenario and depending on the initial pressures setting of the PRV, we're getting pressures up to about 80m max in the network. Mostly during off peak periods.

Figure 7.4: HLZ and LLZ Water Network



To finalise our model and reporting, we are seeking your advice on whether Logan City Council are agreeable to this above outcome?

Let me know if you have any questions on this.

Regards,



MICHAEL MAJZNER
Senior Designer

T 07 3253 2222

E michael.majzner@premise.com.au

A Level 1, 100 Brunswick St, Fortitude Valley QLD 4006



From: Thomas, Jeremy <JeremyThomas@logan.qld.gov.au>

Sent: Thursday, 23 January 2020 2:12 PM

To: tom.bradshaw@bbdengineering.com.au

Cc: WaterDA <WaterDA@logan.qld.gov.au>; Herath, Kumara <KumaraHerath@logan.qld.gov.au>; Joshua Stone <joshua.stone@premise.com.au>

Subject: RE: WDS Everleigh Mirvac CSR#2901059 REQUEST for Boundary Conditions - Everleigh Trunk Main Supply Points

Quick addendum – given the scale of the HL zone we'd probably be looking for a second connection into the Everleigh HL zone for security of supply if feasible, I think I remember one planned in earlier proposals? Please consider this in your detailed planning.

Kind Regards

Jeremy Thomas | Senior Planning Engineer-Project Manager | Water Infrastructure | **Logan City Council**

Phone: 07 3412 9667 | Mobile: 0406 803 497 | PO Box 3226 Logan City DC QLD 4114 |

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From: Thomas, Jeremy

Sent: Thursday, 23 January 2020 2:09 PM

To: tom.bradshaw@bbdengineering.com.au

Cc: WaterDA <WaterDA@logan.qld.gov.au>; Herath, Kumara <KumaraHerath@logan.qld.gov.au>; Joshua Stone <joshua.stone@premise.com.au>

Subject: FW: WDS Everleigh Mirvac CSR#2901059 REQUEST for Boundary Conditions - Everleigh Trunk Main Supply Points

Hi Tom,

Please see requested boundary conditions appended below. Noting the significant increase in HL level demands from our initial estimates (which were fairly coarse based on average area densities and contour lines), I can see that the draft network layout between high and low level zones appears to be a prudent approach given the topographical and zoning constraints. The revised servicing strategy for the area can accommodate the increase based on our initial modelling review, depending on actual staging and external developments within the zone this will likely trigger a pump upgrade sooner than we have initially forecast and the scope of the upgrade will also be larger. I don't anticipate either of these factors will be a significant issue from a planning perspective.

Kind Regards

Jeremy Thomas | Senior Planning Engineer-Project Manager | Water Infrastructure | **Logan City Council**

Phone: 07 3412 9667 | Mobile: 0406 803 497 | PO Box 3226 Logan City DC QLD 4114 |

JeremyThomas@logan.qld.gov.au

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City of Logan: Innovative, Dynamic, City of the Future

From: Ryan, Brad <BradRyan@logan.qld.gov.au>

Sent: Thursday, 23 January 2020 1:32 PM

To: Thomas, Jeremy <JeremyThomas@logan.qld.gov.au>

Subject: RE: WDS Everleigh Mirvac CSR#2901059 REQUEST for Boundary Conditions - Everleigh Trunk Main Supply Points

Hi Jeremy,

Boundary conditions using the connection details provided are as follows:

- **Teviot Road Trunk Main Connection - via Pub Lane pump station**
107m head, 41m pressure, 66m elevation
- **Greenbank Road trunk main connection – via Round Mountain reservoir**
85m head, 35m pressure, 50m elevation

The proposed distribution of demand has a larger portion on the Pub Lane pump station than current planning has allowed.

Current planning Pub Lane PS ultimate size - 45L/s @ 18m.

Proposed demand distribution Pub Lane PS size – 80 L/s @25m.

Thanks, Brad Ryan.

From: Thomas, Jeremy <JeremyThomas@logan.qld.gov.au>

Sent: Thursday, 23 January 2020 9:56 AM

To: Ryan, Brad <BradRyan@logan.qld.gov.au>

Subject: FW: WDS Everleigh Mirvac CSR#2901059 REQUEST for Boundary Conditions - Everleigh Trunk Main Supply Points

Ok cleared that up – Ultimate boundary conditions for the two points please

Kind Regards

Jeremy Thomas | Senior Planning Engineer-Project Manager | Water Infrastructure | **Logan City Council**

Phone: 07 3412 9667 | Mobile: 0406 803 497 | PO Box 3226 Logan City DC QLD 4114 |

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City of Logan: Innovative, Dynamic, City of the Future

From: Tom Bradshaw <tom.bradshaw@bbdengineering.com.au>

Sent: Thursday, 23 January 2020 8:14 AM

To: Thomas, Jeremy <JeremyThomas@logan.qld.gov.au>

Cc: Joshua Stone <joshua.stone@premise.com.au>

Subject: RE: WDS Everleigh Mirvac CSR#2901059 REQUEST for Boundary Conditions - Everleigh Trunk Main Supply Points

Hi Jeremy – I have revised the BC request to only request the BCs that will most likely apply to ultimate case for Everleigh and the proposed trunk main connection locations. Please see below in red, this should qualify matters.

BC Request 1 Teviot Road Trunk Main Connection (HLZ)

PH (1900 hr) – 45 Ls (**Correct - See attached**)

FF – 51 L/s (at 2/3 MH) (**Correct - see attached**)

Irrigation Demand – ~~71 L/s (4am off peak)~~. **This appears to be a new requirement and could be problematic with an anticipated off-peak supply via the Grid required to support Beaudesert planned. With drought conditions prevailing there may also be issues with this volume of potable water for irrigation purposes.** ~~Re the irrigation flows, disregard. This BC was requested primarily as a sensitivity assessment off the trunk main. Depending on irrigation settings there maybe a requirement to increase flows for shorter period.~~

BC Request 2 Greenbank Road trunk main connection (LLZ)

PH – 26 L/s (correct – see attached)

~~FF – 70 L/s (at 2/3 MH)~~ **This appears high based on the above PH flow, what fire flow demand has been applied here?** ~~Reduced to 51 L/s – see attached. Fire fighting settings in model corrected to reflect LWIA requirements.~~

Irrigation demand (including portion of residential) – ~~65 L/s (4am off peak)~~. ~~Disregard – see above.~~

From: Thomas, Jeremy <JeremyThomas@logan.qld.gov.au>

Sent: Wednesday, 22 January 2020 2:29 PM

To: Tom Bradshaw <tom.bradshaw@bbdengineering.com.au>

Cc: Herath, Kumara <KumaraHerath@logan.qld.gov.au>; WaterDA <WaterDA@logan.qld.gov.au>; Ryan, Brad <BradRyan@logan.qld.gov.au>

Subject: RE: WDS Everleigh Mirvac CSR#2901059 REQUEST for Boundary Conditions - Everleigh Trunk Main Supply Points

Hi Tom,

Can you confirm the Planning report referenced (LS-021?). I think there probably more than a little ambiguity within the context of the supply strategy and sources. The Whole Logan South Water Supply Area is serviced by Round Mountain and large areas are boosted.

The initial and existing Everleigh connection is serviced by the Spring Mountain reservoir / Pub Lane Pump Station (ex. Round Mountain), when the current pump capacity is reached (or potentially prior to address WQ challenges) the zone will be split with Pub Lane no longer supplying Spring Mountain reservoir and transitioning into a booster

supply from Round Mountain servicing elevated areas including Everleigh (>55m). Elevation lower than 55m are anticipated to be serviced directly off Round Mountain gravity.

We'll provide updated boundary conditions based on the latest model shortly. However, can you confirm the demands indicated?

BC Request 1 Teviot Road Trunk Main Connection (HLZ)

PH (1900 hr) – 45 L/s

FF – 51 L/s (at 2/3 MH)

Irrig. Demand (including portion of residential) – 71 L/s (4am off peak) **This appears to be a new requirement and could be problematic with an anticipated off-peak supply via the Grid required to support Beaudesert planned. With drought conditions prevailing there may also be issues with this volume of potable water for irrigation purposes.**

BC Request 2 Greenbank Road trunk main connection (LLZ)

PH – 26 L/s

FF - 70 L/s (at 2/3 MH) **This appears high based on the above PH flow, what fire flow demand has been applied here?**

Irrig demand (including portion of residential) – 65 L/s (4am off peak). **As above.**

Kind Regards

Jeremy Thomas | Senior Planning Engineer-Project Manager | Water Infrastructure | **Logan City Council**

Phone: 07 3412 9667 | Mobile: 0406 803 497 | PO Box 3226 Logan City DC QLD 4114 |

JeremyThomas@logan.qld.gov.au

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From: Herath, Kumara <KumaraHerath@logan.qld.gov.au>

Sent: Monday, 20 January 2020 8:37 AM

To: Thomas, Jeremy <JeremyThomas@logan.qld.gov.au>

Cc: WaterDA <WaterDA@logan.qld.gov.au>

Subject: FW: WDS Everleigh Mirvac CSR#2901059 REQUEST for Boundary Conditions - Everleigh Trunk Main Supply Points

Good Morning Jeremy

Please see the e mail below from Thomas from bbd Water Engineering, he has been engaged in water planning works for Everleigh by the developer.

Can you please respond to him (cc to me as well), I also would like to request for a plan showing the service strategy for the area.

Regards

Kumara Herath | Water Development Services Engineer | Water Infrastructure Branch | **Logan City Council**

Phone: 07 3412 4728 | PO Box 3226 Logan City DC Qld 4114 | kumaraherath@logan.qld.gov.au

www.logan.qld.gov.au | facebook.com/logancitycouncil | twitter.com/logancc

From: Tom Bradshaw [[mailto: tom.bradshaw@bbdengineering.com.au](mailto:tom.bradshaw@bbdengineering.com.au)]

Sent: Tuesday, 14 January 2020 9:59 AM

To: WaterDA <WaterDA@logan.qld.gov.au>

Cc: Herath, Kumara <KumaraHerath@logan.qld.gov.au>; Joshua Stone <joshua.stone@premise.com.au>; Michael Majzner <michael.majzner@premise.com.au>

Subject: WDS Everleigh Mirvac CSR#2901059 REQUEST for Boundary Conditions - Everleigh Trunk Main Supply Points

Hi Kumara, Thanks very much for your time regarding Everleigh yesterday, please find below and attached our request for boundary condition assessment for Everleigh development in Greenbank. 2 BCs are required, one for the proposed HLZ and the other for the LLZ, further information and background is provided below.

In accordance with LWIAs Planning & Investigation Report outlining the Water Servicing Strategy for Greenbank and we note that LWIA are proposing to source water for the development using only Round Mountain supply (ie option 2). We understand from the report conclusions, that supply to the elevated regions will now be via boosted supply from Round Mountain supply zone whereas low lying areas will continue to be serviced via gravity supply from Round Mountain. This strategy is in contrast to the previous adopted servicing strategy for the respective areas and according we are seeking updates on boundary condition advices at the proposed connection points to existing trunk services in Teviot Road (for ELZ) and Greenbank Road (for LLZ) as per the attached diagram. Trust attached is legible. If not, please give me a call to clarify.

Without going into too much details in regards to background demands, the attached is a representation of the likely max demands for the development in both the immediate instance and long term planning scenario. All demands include the relevant portion of irrigation, PH and fire (commercial based for school and rec parks).

BC Request 1 Teviot Road Trunk Main Connection (HLZ)

PH (1900 hr) – 45 Ls

FF – 51 L/s (at 2/3 MH)

Irrig. Demand (including portion of residential) – 71 L/s (4am off peak)

BC Request 2 Greenbank Road trunk main connection (LLZ)

PH – 26 L/s

FF - 70 L/s (at 2/3 MH)

Irrig demand (including portion of residential) – 65 L/s (4am off peak)

Let me know if you require further clarification.

Kind Regards

Thomas Bradshaw

Principal Water and Utilities Engineer, North Queensland
BE Hons, CPEng, RPEQ, NER, MIEAust



M: 0407 139 238 **E:** tom.bradshaw@bbdengineering.com.au

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A.4 APPENDIX D – LWIA, LCC WDS, & EDQ CONFIRMATION OF MODELLING PARAMETERS

Michael Majzner

From: Marco Bonotto <Marco.Bonotto@dsdmip.qld.gov.au>
Sent: Friday, 20 March 2020 6:35 AM
To: Joshua Stone
Cc: Clint Thorp; Mark Clancy (mark.clancy@mirvac.com); jason.augustine@mirvac.com; Michael Majzner; Tom Bradshaw; Thomas, Jeremy; KumaraHerath@logan.qld.gov.au; WaterDA
Subject: RE: Everleigh - Whole Of Site - Updated Water Network Modelling Assumptions For Confirmation

Follow Up Flag: Follow up
Flag Status: Completed

Hi Josh,

EDQ agrees with the assumptions, parameters and limitations for the updated water network model as identified below.

Cheers,



**Queensland
Government**

Marco Bonotto
Principal Engineer – Technical Services
Economic Development Queensland
Department of State Development,
Manufacturing, Infrastructure and Planning
P 07 3452 7696 | E marco.bonotto@dsdmip.qld.gov.au
Level 14, 1 William Street, Brisbane QLD 4000
GPO Box 2202, Brisbane QLD 4001
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From: Joshua Stone <joshua.stone@premise.com.au>
Sent: Thursday, 19 March 2020 3:15 PM
To: Marco Bonotto <Marco.Bonotto@dsdmip.qld.gov.au>
Cc: Clint Thorp <clint.thorp@premise.com.au>; Mark Clancy (mark.clancy@mirvac.com) <mark.clancy@mirvac.com>; jason.augustine@mirvac.com; Michael Majzner <michael.majzner@premise.com.au>; Tom Bradshaw <tom.bradshaw@bbdengineering.com.au>; Thomas, Jeremy <JeremyThomas@logan.qld.gov.au>; KumaraHerath@logan.qld.gov.au; WaterDA <WaterDA@logan.qld.gov.au>
Subject: RE: Everleigh - Whole Of Site - Updated Water Network Modelling Assumptions For Confirmation

Thanks Marco.

Please refer attached email correspondence confirming that LWIA and LCC WDS are in agreeance with the below modelling parameters and modelling assumptions.

Can you please now provide EDQ endorsement via return email that we may now proceed with the finalisation of our WOS water model for Everleigh.



JOSHUA STONE
Senior Project Manager

T 07 3253 2222 | **M** 0408 063 479
E joshua.stone@premise.com.au
A Level 1, 100 Brunswick St, Fortitude Valley QLD 4006



From: Marco Bonotto <Marco.Bonotto@dsdmip.qld.gov.au>
Sent: Tuesday, 17 March 2020 8:45 AM
To: Joshua Stone <joshua.stone@premise.com.au>
Cc: Clint Thorp <clint.thorp@premise.com.au>; Mark Clancy (mark.clancy@mirvac.com) <mark.clancy@mirvac.com>
Subject: RE: Everleigh - Whole Of Site - Updated Water Network Modelling Assumptions For Confirmation

Hi Josh,

Considering the extensive consultation that has already been occurred between yourself and Logan Water in this regard, I recommend you are liaising directly with them in relation to the acceptance assumptions, parameters and limitations for the water network model you are working at.

Please let me know if you have any issue with that.

Cheers,



Marco Bonotto
Principal Engineer – Technical Services
Economic Development Queensland
Department of State Development,
Manufacturing, Infrastructure and Planning

P 07 3452 7696 | E marco.bonotto@dsdmip.qld.gov.au
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From: Joshua Stone <joshua.stone@premise.com.au>
Sent: Monday, 16 March 2020 10:11 AM
To: KumaraHerath@logan.qld.gov.au; Marco Bonotto <Marco.Bonotto@dsdmip.qld.gov.au>; Thomas, Jeremy <JeremyThomas@logan.qld.gov.au>
Cc: Mark Clancy (mark.clancy@mirvac.com) <mark.clancy@mirvac.com>; jason.augustine@mirvac.com; Clint Thorp <clint.thorp@premise.com.au>; Madeleine Hartley-Davis <madeleine.hartleydavis@premise.com.au>; Michael Majzner <michael.majzner@premise.com.au>; Tom Bradshaw <tom.bradshaw@bbdengineering.com.au>
Subject: RE: Everleigh - Whole Of Site - Updated Water Network Modelling Assumptions For Confirmation

Hi Kumara / Jeremy / Marco,

Just following up on my below communication.

We were hoping to have a response from yourselves by last Friday. Are you able to come back to me with when we can expect your response as we are keen to avoid any program delays.

Thanks gents. Look forward to hearing from you.



JOSHUA STONE
Senior Project Manager

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E joshua.stone@premise.com.au
A Level 1, 100 Brunswick St, Fortitude Valley QLD 4006



From: Joshua Stone <joshua.stone@premise.com.au>

Sent: Thursday, 5 March 2020 11:56 AM

To: KumaraHerath@logan.qld.gov.au; Jeremy Thomas <jeremy.thomas@loganwia.com.au>; Marco Bonotto <Marco.Bonotto@dsdmip.qld.gov.au>

Cc: Mark Clancy (<mark.clancy@mirvac.com> <mark.clancy@mirvac.com>; jason.augustine@mirvac.com; Clint Thorp <clint.thorp@premise.com.au>; Madeleine Hartley-Davis <madeleine.hartleydavis@premise.com.au>; Michael Majzner <michael.majzner@premise.com.au>; Tom Bradshaw <tom.bradshaw@bbdengineering.com.au>

Subject: Everleigh - Whole Of Site - Updated Water Network Modelling Assumptions For Confirmation

Hi Kumara / Jeremy / Marco,

Hope you have all been well.

As you are aware, we are working on the whole of site water network modelling update for the Everleigh project.

We have listed out below all of the modelling parameters, assumptions and limitations adopted for the purposes of this modelling update and require your written confirmation by Friday the 13th March to avoid program delays (email response back to me is fine) that you have reviewed the below and are accepting of these:

1. The network model was established and assessed using Bentley WaterCAD Connect Series 2 software using the Extended time series analysis functionality over three (3) consecutive maximum days (MD). It is noted for the purposes of providing our modelling files to LCC / LWIA for their review, we will be providing this output directly from Bentley WaterCAD.
2. The network model was developed and assessed accordance with the requirements of (in order of precedence):
 - Greater Flagstone PDA Sub-Regional Infrastructure Agreement;
 - LCC's / LWIA's Desired Standards of Service (DSS);
 - SEQ Design & Construction Code
3. The external servicing strategy for Everleigh is based on Option #2 outlined in LWIA's Planning & Investigation Report, Greenbank Water Servicing Strategy Task Number: LS-021 (Revision E.1 dated 05/07/2018), stating that elevated regions will be serviced via a pressure boosted supply from Round Mountain and that non-elevated areas will be supplied via gravity from Round Mountain.
4. Confirming that as per the correspondence received from LWIA (refer attached email dated 23/01/2020) we will be providing a second connection into the estate off the Teviot Road trunk main into the HLZ. This is currently planned to occur at the intersection of Leanne Court / Teviot Road / Anderson Drive.

5. It is assumed that the existing pressure management device (PRV) installed on Everleigh Drive which connects to the 300mm dia Teviot Road trunk main (i.e. to manage pressures within Precinct 1) will remain as the primary point of supply to the Elevated Zone (ELZ) until such time as the future stages are brought online in alignment with the current planned development roll out. It is anticipated that an additional PRV will be required off the second connection into the HLZ at the intersection of Leanne Court / Teviot Road / Anderson Drive.
6. The whole of site modelling has assumed that all currently designed / constructed water mains in Precinct 1, Ivory Parkway and the School Site will remain as proposed and will not be changing – i.e. these are fixed points in the model.
7. Boundary Conditions (BC's) were modelled as fixed Hydraulic Grade (HGL) values for the elevated and non-elevated pressure zones within the network (refer LWIA correspondence attached and listed below for your reference). Please refer attached email received from LWIA dated 23/01/2020 outlining the agreed boundary conditions to be adopted. These have also been summarised below for clarity:
 - Teviot Road Trunk Main Connection - via Pub Lane pump station
 - 107m head, 41m pressure, 66m elevation
 - Greenbank Road trunk main connection – via Round Mountain reservoir
 - 85m head, 35m pressure, 50m elevation
8. It has been assumed that the BC's are generally representative of the lowest possible HGL value likely to be experienced at the external connection points during peak hour demand periods.
9. It has been assumed that the elevated pressure zone is defined as all land situated above RL50. This was confirmed with LWIA (refer attached correspondence dated 24/01/2020).
10. The boundary between pressure zones will be designated within the Bentley WaterCAD model via the absence of a pipe link.
11. The model for Precinct 1 within the Bentley WaterCAD model was established based on As Constructed / design plans.
12. The model for future precincts was established based on the internal road network, allotment layout plans and latest master planning advice provided by Mirvac.
13. Nodal elevations were based on the most recent whole of site bulk earthworks modelling carried out by Premise.
14. The following friction factors were adopted for the internal reticulation mains within the model:

Pipe Size	HW C Factor
< = 150	110
150 to <= 300	120
>300 < = 600	130

15. The following use conversion factors (EP/unit), as provided in the Greater Flagstone PDA Sub-Regional Infrastructure Agreement, has been adopted in the network modelling.

SCHEDULE 3

DEMAND LIMIT – USE CONVERSION FACTORS

USES			CONVERSION FACTORS
Residential uses	Pre 1 January 2016	detached dwelling	2.91EP/dwelling
		attached dwelling	1.83EP/dwelling
	On or after 1 January 2016	detached dwelling	2.8EP/dwelling
		attached dwelling	1.78EP/dwelling
Retail uses (excluding showrooms)			30EP/ha
Showrooms			30EP/ha
Commercial uses			30EP/ha
Industrial uses			30EP/ha
Service, community and other uses (excluding child care centre and educational establishment)			30EP/ha
Child care centre			0.25EP/pupil and staff
Educational establishment	Primary school		0.1EP/pupil and staff
	Secondary school		0.1EP/pupil and staff
	Any other educational establishment		0.1EP/pupil and staff
Sport, recreation and entertainment uses			30EP/ha
Tourism uses			30EP/ha
Rural uses			30EP/ha
Mixed use (being a development combining residential uses and any other use)			The conversion factor for the Residential uses and, if the mixed use includes a Child care centre or Educational establishment, the conversion factor for the Child care centre and Educational establishment (as applicable) (as set out above) plus 15EP/ha
Any other uses			30EP/ha

In this Schedule 3, conversion factors per hectare (ha) are to be calculated using the area of the registered lot(s).

16. The network model has been produced based on a development layout that has a density which is considered as the projected upper limit for the site. Adopting the upper limit provides flexibility within the model for protentional future planning layout alterations. The adopted densities are listed in the below summarised land uses and overall EP calculations table:

USES	Dwellings	Residential EP	Non-Residential EP	Total EP
Residential use - detached dwelling	3,159	8,845	-	8,845
Residential use - attached dwelling	674	1,199	-	1,199
Retail uses (excluding showrooms)	-	-	102	102
Showrooms	-	-	-	-
Commercial uses	-	-	-	-
Industrial uses	-	-	-	-
Service, community and other uses	-	-	96	96
Child care centre	-	-	-	-
Educational establishment	-	-	368*	368*

Sport, recreation and entertainment uses	-	-	-	-
Tourism uses	-	-	-	-
Rural uses	-	-	-	-
Mixed use	-	-	-	-
Any other uses	-	-	-	-
Total	3,833	10,045	566	10,610

* rmined that the nominated Greater Flagstone PDA Sub-Regional Infrastructure Agreement value for the school site was too low and hence this higher EP value has been adopted (1.05 EP/Ha).

17. Demands were factored by a MD/AD ratio of 1.7 for residential areas and 1.3 for non-residential areas.
18. Separate diurnal demand patterns were applied to the model for residential areas and commercial regions with maximum hour (MH) peaking factors of 1.83 (for residential areas) and 1.54 (for commercial areas).
19. Non-essential demands (e.g. irrigation) were applied during off peak periods (e.g. midnight through 4am).
20. External water storage upgrades were not assessed. It is assumed that LWIA will examine the requirement for upgrading existing storage reserves to support all approved future development within the region and that is not part of this assessment.
21. Minimum pressure and related performance requirements for onsite irrigation appliances were not assessed. In instances whereby an onsite irrigation system requires a minimum pressure and/ or performance requirement over and above what can be provided by the Water Authority (which is what has been allowed for in our modelling), it is assumed that the respective property owner will design their own onsite infrastructure to ensure adequate service is able to be provided.
22. In respect to firefighting, AS2419 may necessitate the need for fire hydrant coverage for the likes of a commercial development with a performance capability different (or potentially more onerous) to that required by LCC's / LWIA's Desired Standards of Service (DSS). In the event that an individual property (e.g. School) requires fire hydrant coverage and performance over and above the performance that LWIA can provide and the whole of site water model has allowed for, the property or lease owner will need to assess and design their own onsite infrastructure to service such firefighting requirements in line with the relevant Australian Standard/s. Design firefighting requirements set down within AS2419 and related Australian Standards have not been assessed nor considered herein this report.
23. It is assumed that all risks associated with the external servicing strategy (including provision for alternative supply) for the broader Greenbank area rests with the Water Authority and have not been considered in our whole of site water modelling.

Thanks Kumara / Jeremy / Marco – please do not hesitate to contact me if you have any questions.

Following your confirmation to the above, we will then be able to finalise our revised whole of site modelling and associated reporting and issue to all parties.

Look forward to hearing from you all.



JOSHUA STONE
Senior Project Manager

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Michael Majzner

From: Herath, Kumara <KumaraHerath@logan.qld.gov.au>
Sent: Thursday, 19 March 2020 2:46 PM
To: Joshua Stone
Cc: WaterDA
Subject: RE: Everleigh - Whole Of Site - Updated Water Network Modelling Assumptions For Confirmation

Hi Josh

WDS is happy with Jeremy's comments and recommendations as mentioned below.

Regards

Kumara Herath | Water Development Services Engineer | Water Infrastructure Branch | **Logan City Council**
Phone: 07 3412 4728 | PO Box 3226 Logan City DC Qld 4114 | kumaraherath@logan.qld.gov.au
www.logan.qld.gov.au | facebook.com/logancitycouncil | twitter.com/logancc

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From: Joshua Stone [mailto:joshua.stone@premise.com.au]
Sent: Thursday, 19 March 2020 1:17 PM
To: Herath, Kumara <KumaraHerath@logan.qld.gov.au>
Cc: WaterDA <WaterDA@logan.qld.gov.au>; Michael Majzner <michael.majzner@premise.com.au>; Tom Bradshaw <tom.bradshaw@bbdengineering.com.au>
Subject: RE: Everleigh - Whole Of Site - Updated Water Network Modelling Assumptions For Confirmation

Thanks Kumara,

The below from Jeremy looks positive and that he is in agreeance with our modelling parameters.

Can I ask that you now also provide your endorsement of the parameters based on Jeremy's acceptance to allow our WOS modelling to be finalised.

Thanks Kumara. Look forward to hearing from you.



JOSHUA STONE
Senior Project Manager

T 07 3253 2222 | **M** 0408 063 479
E joshua.stone@premise.com.au
A Level 1, 100 Brunswick St, Fortitude Valley QLD 4006



From: Herath, Kumara <KumaraHerath@logan.qld.gov.au>
Sent: Thursday, 19 March 2020 12:07 PM
To: Joshua Stone <joshua.stone@premise.com.au>
Cc: WaterDA <WaterDA@logan.qld.gov.au>
Subject: FW: Everleigh - Whole Of Site - Updated Water Network Modelling Assumptions For Confirmation

Hi Josh

Please see the response from Jeremy Thomas to your enquiry

Regards

Kumara Herath | Water Development Services Engineer | Water Infrastructure Branch | **Logan City Council**
Phone: 07 3412 4728 | PO Box 3226 Logan City DC Qld 4114 | kumaraherath@logan.qld.gov.au
www.logan.qld.gov.au | facebook.com/logancitycouncil | twitter.com/logancc

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From: Joshua Stone <joshua.stone@premise.com.au>
Sent: Thursday, 5 March 2020 11:59 AM
To: Thomas, Jeremy <JeremyThomas@logan.qld.gov.au>
Cc: Madeleine Hartley-Davis <madeleine.hartleydavis@premise.com.au>; Michael Majzner <michael.majzner@premise.com.au>
Subject: FW: Everleigh - Whole Of Site - Updated Water Network Modelling Assumptions For Confirmation

Hi Jeremy,

Got a bounce back from your other email address – am sending this to you again.



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From: Joshua Stone <joshua.stone@premise.com.au>
Sent: Thursday, 5 March 2020 11:56 AM
To: KumaraHerath@logan.qld.gov.au; Jeremy Thomas <jeremy.thomas@loganwia.com.au>; Marco Bonotto <Marco.Bonotto@dsdmip.qld.gov.au>
Cc: Mark Clancy (mark.clancy@mirvac.com) <mark.clancy@mirvac.com>; jason.augustine@mirvac.com; Clint Thorp

<clint.thorp@premise.com.au>; Madeleine Hartley-Davis <madeleine.hartleydavis@premise.com.au>; Michael Majzner <michael.majzner@premise.com.au>; Tom Bradshaw <tom.bradshaw@bbdengineering.com.au>

Subject: Everleigh - Whole Of Site - Updated Water Network Modelling Assumptions For Confirmation

Hi Kumara / Jeremy / Marco,

Hope you have all been well.

As you are aware, we are working on the whole of site water network modelling update for the Everleigh project.

We have listed out below all of the modelling parameters, assumptions and limitations adopted for the purposes of this modelling update and require your written confirmation by Friday the 13th March to avoid program delays (email response back to me is fine) that you have reviewed the below and are accepting of these:

1. The network model was established and assessed using Bentley WaterCAD Connect Series 2 software using the Extended time series analysis functionality over three (3) consecutive maximum days (MD). It is noted for the purposes of providing our modelling files to LCC / LWIA for their review, we will be providing this output directly from Bentley WaterCAD. **Noted. No issue -WaterCAD can export EPANet format which can be imported into InfoWATER**
2. The network model was developed and assessed accordance with the requirements of (in order of precedence): **Noted, and agree with hierarchy.**
 - Greater Flagstone PDA Sub-Regional Infrastructure Agreement;
 - LCC's / LWIA's Desired Standards of Service (DSS);
 - SEQ Design & Construction Code
3. The external servicing strategy for Everleigh is based on Option #2 outlined in LWIA's Planning & Investigation Report, Greenbank Water Servicing Strategy Task Number: LS-021 (Revision E.1 dated 05/07/2018), stating that elevated regions will be serviced via a pressure boosted supply from Round Mountain and that non-elevated areas will be supplied via gravity from Round Mountain. **Agreed.**
4. Confirming that as per the correspondence received from LWIA (refer attached email dated 23/01/2020) we will be providing a second connection into the estate off the Teviot Road trunk main into the HLZ. This is currently planned to occur at the intersection of Leanne Court / Teviot Road / Anderson Drive. **Agreed**
5. It is assumed that the existing pressure management device (PRV) installed on Everleigh Drive which connects to the 300mm dia Teviot Road trunk main (i.e. to manage pressures within Precinct 1) will remain as the primary point of supply to the Elevated Zone (ELZ) until such time as the future stages are brought online in alignment with the current planned development roll out. It is anticipated that an additional PRV will be required off the second connection into the HLZ at the intersection of Leanne Court / Teviot Road / Anderson Drive. **Agreed**
6. The whole of site modelling has assumed that all currently designed / constructed water mains in Precinct 1, Ivory Parkway and the School Site will remain as proposed and will not be changing – i.e. these are fixed points in the model. **Agreed**
7. Boundary Conditions (BC's) were modelled as fixed Hydraulic Grade (HGL) values for the elevated and non-elevated pressure zones within the network (refer LWIA correspondence attached and listed below for your reference). Please refer attached email received from LWIA dated 23/01/2020 outlining the agreed boundary conditions to be adopted. These have also been summarised below for clarity:
 - Teviot Road Trunk Main Connection - via Pub Lane pump station
 - 107m head, 41m pressure, 66m elevation
 - Greenbank Road trunk main connection – via Round Mountain reservoir
 - 85m head, 35m pressure, 50m elevation

While we have noted a lower head available in the latest model for the elevated area with the updated strategy, however, this would be resolved by a pump upgrade to maintain the BC's previously agreed to. We will need the final model to assess the likely timing of the pump upgrade (likely to be brought forward).

8. It has been assumed that the BC's are generally representative of the lowest possible HGL value likely to be experienced at the external connection points during peak hour demand periods. **That is correct.**
9. It has been assumed that the elevated pressure zone is defined as all land situated above RL50. This was confirmed with LWIA (refer attached correspondence dated 24/01/2020). **That is correct. There may be**

some 'wiggle room' for a small number of properties should the modelling output satisfactorily demonstrate that DSS can be exceeded with reasonable allowances for unknowns/losses.

10. The boundary between pressure zones will be designated within the Bentley WaterCAD model via the absence of a pipe link. **Noted**
11. The model for Precinct 1 within the Bentley WaterCAD model was established based on As Constructed / design plans. **Noted**
12. The model for future precincts was established based on the internal road network, allotment layout plans and latest master planning advice provided by Mirvac. **Noted**
13. Nodal elevations were based on the most recent whole of site bulk earthworks modelling carried out by Premise. **Noted**
14. The following friction factors were adopted for the internal reticulation mains within the model:

Pipe Size	HW C Factor
< = 150	110
150 to <= 300	120
>300 <= 600	130

Noted and acceptable. We find that Colebrook White provides a better outcome as the above coefficients are conservative, however unlikely to impact significantly on reticulation mains.

15. The following use conversion factors (EP/unit), as provided in the Greater Flagstone PDA Sub-Regional Infrastructure Agreement, has been adopted in the network modelling. **Noted**

SCHEDULE 3

DEMAND LIMIT – USE CONVERSION FACTORS

USES			CONVERSION FACTORS
Residential uses	Pre 1 January 2016	detached dwelling	2.91EP/dwelling
		attached dwelling	1.83EP/dwelling
	On or after 1 January 2016	detached dwelling	2.8EP/dwelling
		attached dwelling	1.78EP/dwelling
Retail uses (excluding showrooms)			30EP/ha
Showrooms			30EP/ha
Commercial uses			30EP/ha
Industrial uses			30EP/ha
Service, community and other uses (excluding child care centre and educational establishment)			30EP/ha
Child care centre			0.25EP/pupil and staff
Educational establishment	Primary school		0.1EP/pupil and staff
	Secondary school		0.1EP/pupil and staff
	Any other educational establishment		0.1EP/pupil and staff
Sport, recreation and entertainment uses			30EP/ha
Tourism uses			30EP/ha
Rural uses			30EP/ha
Mixed use (being a development combining residential uses and any other use)			The conversion factor for the Residential uses and, if the mixed use includes a Child care centre or Educational establishment, the conversion factor for the Child care centre and Educational establishment (as applicable) (as set out above) plus 15EP/ha
Any other uses			30EP/ha

In this Schedule 3, conversion factors per hectare (ha) are to be calculated using the area of the registered lot(s).

16. The network model has been produced based on a development layout that has a density which is considered as the projected upper limit for the site. Adopting the upper limit provides flexibility within the model for protentional future planning layout alterations. The adopted densities are listed in the below summarised land uses and overall EP calculations table:

USES	Dwellings	Residential EP	Non-Residential EP	Total EP
Residential use - detached dwelling	3,159	8,845	-	8,845
Residential use - attached dwelling	674	1,199	-	1,199
Retail uses (excluding showrooms)	-	-	102	102
Showrooms	-	-	-	-
Commercial uses	-	-	-	-
Industrial uses	-	-	-	-
Service, community and other uses	-	-	96	96
Child care centre	-	-	-	-
Educational establishment	-	-	368*	368*

Sport, recreation and entertainment uses	-	-	-	-
Tourism uses	-	-	-	-
Rural uses	-	-	-	-
Mixed use	-	-	-	-
Any other uses	-	-	-	-
Total	3,833	10,045	566	10,610

* rmined that the nominated Greater Flagstone PDA Sub-Regional Infrastructure Agreement value for the school site was too low and hence this higher EP value has been adopted (1.05 EP/Ha). **Noted**

17. Demands were factored by a MD/AD ratio of 1.7 for residential areas and 1.3 for non-residential areas. **Noted**
18. Separate diurnal demand patterns were applied to the model for residential areas and commercial regions with maximum hour (MH) peaking factors of 1.83 (for residential areas) and 1.54 (for commercial areas). **Noted**
19. Non-essential demands (e.g. irrigation) were applied during off peak periods (e.g. midnight through 4am). **Noted**
20. External water storage upgrades were not assessed. It is assumed that LWIA will examine the requirement for upgrading existing storage reserves to support all approved future development within the region and that is not part of this assessment. **Agreed.**
21. Minimum pressure and related performance requirements for onsite irrigation appliances were not assessed. In instances whereby an onsite irrigation system requires a minimum pressure and/ or performance requirement over and above what can be provided by the Water Authority (which is what has been allowed for in our modelling), it is assumed that the respective property owner will design their own onsite infrastructure to ensure adequate service is able to be provided. **Agreed (subject to approvals for such uses by Council)**
22. In respect to firefighting, AS2419 may necessitate the need for fire hydrant coverage for the likes of a commercial development with a performance capability different (or potentially more onerous) to that required by LCC's / LWIA's Desired Standards of Service (DSS). In the event that an individual property (e.g. School) requires fire hydrant coverage and performance over and above the performance that LWIA can provide and the whole of site water model has allowed for, the property or lease owner will need to assess and design their own onsite infrastructure to service such firefighting requirements in line with the relevant Australian Standard/s. Design firefighting requirements set down within AS2419 and related Australian Standards have not been assessed nor considered herein this report. **Agreed.**
23. It is assumed that all risks associated with the external servicing strategy (including provision for alternative supply) for the broader Greenbank area rests with the Water Authority and have not been considered in our whole of site water modelling. **Agreed**

Thanks Kumara / Jeremy / Marco – please do not hesitate to contact me if you have any questions.

Following your confirmation to the above, we will then be able to finalise our revised whole of site modelling and associated reporting and issue to all parties.

Look forward to hearing from you all.



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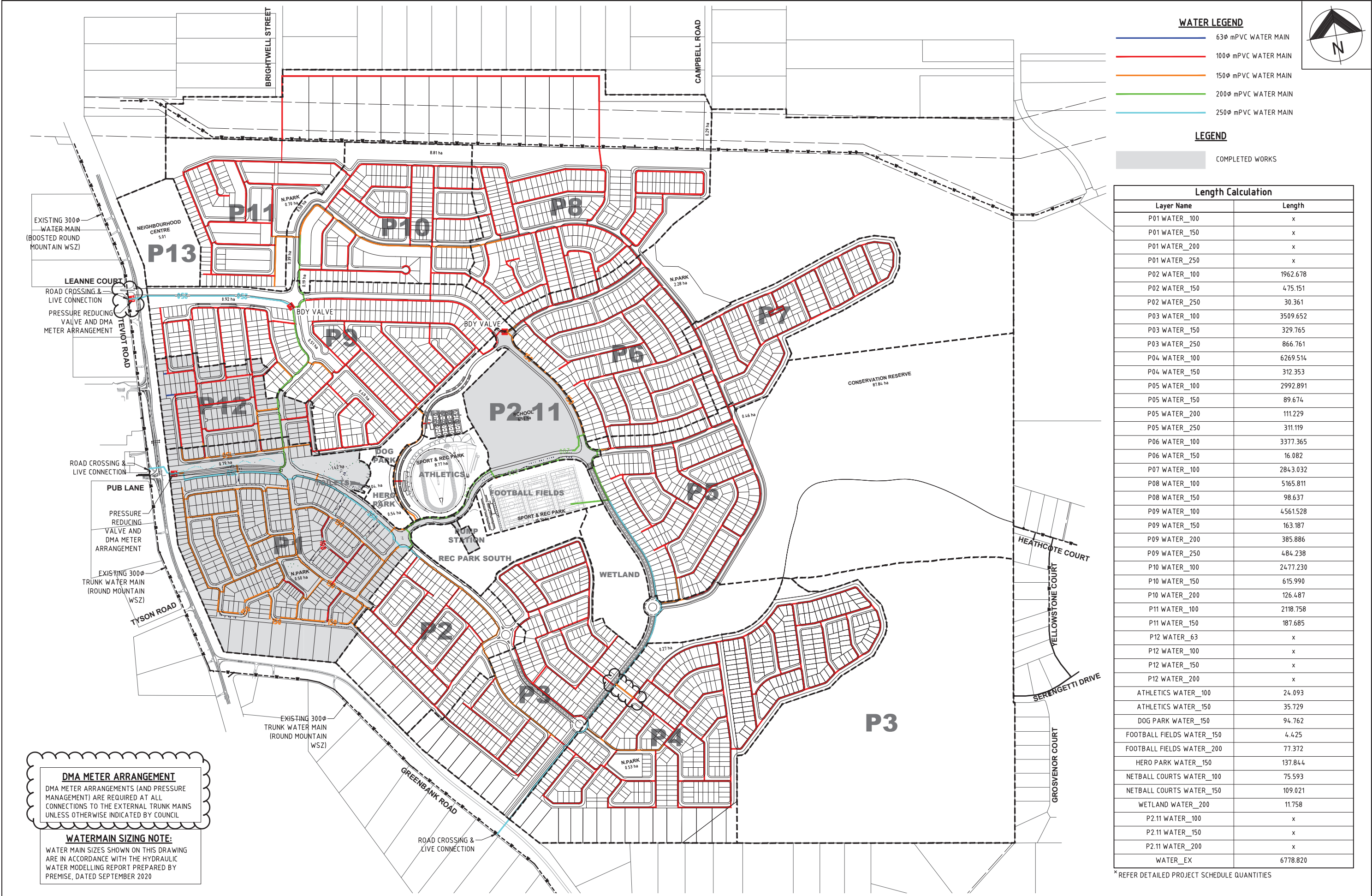
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A.5 APPENDIX E – MODEL RESULTS



WATER LEGEND

- 63Ø mPVC WATER MAIN
- 100Ø mPVC WATER MAIN
- 150Ø mPVC WATER MAIN
- 200Ø mPVC WATER MAIN
- 250Ø mPVC WATER MAIN

LEGEND

- COMPLETED WORKS

Length Calculation

Layer Name	Length
P01 WATER_100	x
P01 WATER_150	x
P01 WATER_200	x
P01 WATER_250	x
P02 WATER_100	1962.678
P02 WATER_150	475.151
P02 WATER_250	30.361
P03 WATER_100	3509.652
P03 WATER_150	329.765
P03 WATER_250	866.761
P04 WATER_100	6269.514
P04 WATER_150	312.353
P05 WATER_100	2992.891
P05 WATER_150	89.674
P05 WATER_200	111.229
P05 WATER_250	311.119
P06 WATER_100	3377.365
P06 WATER_150	16.082
P07 WATER_100	2843.032
P08 WATER_100	5165.811
P08 WATER_150	98.637
P09 WATER_100	4561.528
P09 WATER_150	163.187
P09 WATER_200	385.886
P09 WATER_250	484.238
P10 WATER_100	2477.230
P10 WATER_150	615.990
P10 WATER_200	126.487
P11 WATER_100	2118.758
P11 WATER_150	187.685
P12 WATER_63	x
P12 WATER_100	x
P12 WATER_150	x
P12 WATER_200	x
ATHLETICS WATER_100	24.093
ATHLETICS WATER_150	35.729
DOG PARK WATER_150	94.762
FOOTBALL FIELDS WATER_150	4.425
FOOTBALL FIELDS WATER_200	77.372
HERO PARK WATER_150	137.844
NETBALL COURTS WATER_100	75.593
NETBALL COURTS WATER_150	109.021
WETLAND WATER_200	11.758
P2.11 WATER_100	x
P2.11 WATER_150	x
P2.11 WATER_200	x
WATER_EX	6778.820

* REFER DETAILED PROJECT SCHEDULE QUANTITIES

DMA METER ARRANGEMENT

DMA METER ARRANGEMENTS (AND PRESSURE MANAGEMENT) ARE REQUIRED AT ALL CONNECTIONS TO THE EXTERNAL TRUNK MAINS UNLESS OTHERWISE INDICATED BY COUNCIL

WATERMAIN SIZING NOTE:

WATER MAIN SIZES SHOWN ON THIS DRAWING ARE IN ACCORDANCE WITH THE HYDRAULIC WATER MODELLING REPORT PREPARED BY PREMISE, DATED SEPTEMBER 2020

Greenbank (Everleigh) Water Supply Network Model
Peak Hour HLZ (Ultimate) Pipes and Nodes Flex Tables (Including Irrigation Nodes)
LLZ and HLZ Extents - Time: 19.00 hours



Greenbank (Everleigh) Water Supply Network Model
Peak Hour HLZ (Ultimate) Pipes and Nodes Flex Tables (Including Irrigation Nodes)
Junction Table - Time: 19.00 hours

Label	Elevation (m)	Unit Demand Collection <Count>	Demand (L/s)	Unit Demand Collection	Hydraulic Grade (m)	Pressure (m H2O)
B-002	45.0	2	0.434	<Collection: 2 items>	103.9	58.8
B-003	48.5	0	0.000	<Collection: 0 items>	103.9	55.3
B-004	48.5	0	0.000	<Collection: 0 items>	103.9	55.3
B-005	51.0	0	0.000	<Collection: 0 items>	103.9	52.8
B-006	50.5	2	0.246	<Collection: 2 items>	103.9	53.2
B-007	49.5	0	0.000	<Collection: 0 items>	103.9	54.2
B-008	50.0	0	0.000	<Collection: 0 items>	103.9	53.7
B-009	53.0	2	0.359	<Collection: 2 items>	103.9	50.8
B-010	49.0	0	0.000	<Collection: 0 items>	103.9	54.8
B-011	50.5	2	0.321	<Collection: 2 items>	103.9	53.2
B-012	44.0	2	0.227	<Collection: 2 items>	103.9	59.8
B-013	49.0	2	0.302	<Collection: 2 items>	104.0	54.8
B-014	46.5	2	0.284	<Collection: 2 items>	103.9	57.3
B-014a	48.9	2	0.528	<Collection: 2 items>	103.9	54.9
B-015	52.5	2	0.472	<Collection: 2 items>	103.9	51.3
B-016	55.0	2	0.227	<Collection: 2 items>	104.0	48.9
B-016a	52.2	2	0.510	<Collection: 2 items>	104.0	51.7
B-017	60.0	2	0.510	<Collection: 2 items>	104.0	43.9
B-018	58.0	2	0.264	<Collection: 2 items>	104.0	45.9
B-018a	60.7	2	0.321	<Collection: 2 items>	104.0	43.2
B-019	51.0	2	0.585	<Collection: 2 items>	104.0	52.9
B-021	51.5	2	0.246	<Collection: 2 items>	104.2	52.6
B-022	49.0	0	0.000	<Collection: 0 items>	104.2	55.1
B-023	47.0	2	0.434	<Collection: 2 items>	104.2	57.1
B-023a	48.7	0	0.000	<Collection: 0 items>	104.2	55.4
B-023b	48.8	2	0.340	<Collection: 2 items>	104.3	55.3
B-024	45.5	2	0.434	<Collection: 2 items>	104.2	58.5
B-025	46.0	2	0.528	<Collection: 2 items>	104.3	58.2
B-025a	48.9	0	0.000	<Collection: 0 items>	104.3	55.2
B-026	45.0	0	0.000	<Collection: 0 items>	104.3	59.2
B-027	50.5	2	0.548	<Collection: 2 items>	104.2	53.6
B-028	53.5	0	0.000	<Collection: 0 items>	104.2	50.6
B-028a	55.7	2	0.264	<Collection: 2 items>	104.3	48.5
B-029	54.0	0	0.000	<Collection: 0 items>	104.2	50.1

Greenbank (Everleigh) Water Supply Network Model
Peak Hour HLZ (Ultimate) Pipes and Nodes Flex Tables (Including Irrigation Nodes)
Junction Table - Time: 19.00 hours

Label	Elevation (m)	Unit Demand Collection <Count>	Demand (L/s)	Unit Demand Collection	Hydraulic Grade (m)	Pressure (m H2O)
B-030	52.0	2	0.472	<Collection: 2 items>	104.2	52.1
B-030a	50.7	2	0.113	<Collection: 2 items>	104.2	53.4
B-031	54.5	0	0.000	<Collection: 0 items>	104.2	49.6
B-031a	56.8	2	1.208	<Collection: 2 items>	104.2	47.4
B-031b	56.2	0	0.000	<Collection: 0 items>	104.3	48.0
B-032	56.0	2	0.359	<Collection: 2 items>	104.2	48.1
B-033	48.0	0	0.000	<Collection: 0 items>	104.3	56.2
B-034	52.0	0	0.000	<Collection: 0 items>	104.3	52.2
B-035	54.0	0	0.000	<Collection: 0 items>	104.3	50.2
B-036	58.0	0	0.000	<Collection: 0 items>	104.3	46.2
B-036a	53.3	2	0.246	<Collection: 2 items>	104.3	50.9
B-037	56.0	2	0.510	<Collection: 2 items>	104.3	48.2
B-038	62.0	2	0.453	<Collection: 2 items>	104.3	42.2
B-038a	60.0	0	0.000	<Collection: 0 items>	104.2	44.1
B-039	63.0	2	0.264	<Collection: 2 items>	104.2	41.2
B-039a	61.6	2	0.661	<Collection: 2 items>	104.2	42.5
B-040	66.0	0	0.000	<Collection: 0 items>	104.2	38.2
B-041	55.0	0	0.000	<Collection: 0 items>	104.4	49.3
B-042	61.0	0	0.000	<Collection: 0 items>	104.4	43.3
B-043	54.0	0	0.000	<Collection: 0 items>	104.5	50.4
B-044	56.0	0	0.000	<Collection: 0 items>	104.5	48.4
B-045	66.0	2	0.434	<Collection: 2 items>	104.5	38.4
B-045a	66.1	2	0.416	<Collection: 2 items>	104.5	38.3
B-046	57.5	2	0.302	<Collection: 2 items>	104.6	47.0
B-047	58.0	2	0.396	<Collection: 2 items>	104.6	46.5
B-048	60.0	0	0.000	<Collection: 0 items>	104.6	44.5
B-049	66.5	2	0.680	<Collection: 2 items>	104.5	37.9
B-049a	70.0	2	0.472	<Collection: 2 items>	104.5	34.4
B-050	63.0	2	0.453	<Collection: 2 items>	104.6	41.5
B-051	62.5	2	0.396	<Collection: 2 items>	104.7	42.2
B-052	66.0	2	0.227	<Collection: 2 items>	104.7	38.6
B-053	72.6	2	0.548	<Collection: 2 items>	104.5	31.9
B-054	71.0	2	0.227	<Collection: 2 items>	104.5	33.4
B-055	52.0	0	0.000	<Collection: 0 items>	104.5	52.4

Greenbank (Everleigh) Water Supply Network Model
Peak Hour HLZ (Ultimate) Pipes and Nodes Flex Tables (Including Irrigation Nodes)
Junction Table - Time: 19.00 hours

Label	Elevation (m)	Unit Demand Collection <Count>	Demand (L/s)	Unit Demand Collection	Hydraulic Grade (m)	Pressure (m H2O)
B-055a	54.5	2	0.340	<Collection: 2 items>	104.5	49.9
B-055b	59.0	2	0.246	<Collection: 2 items>	104.5	45.4
B-056	49.5	2	0.246	<Collection: 2 items>	104.5	54.9
B-057	55.0	2	0.416	<Collection: 2 items>	104.5	49.4
B-058	50.5	2	0.227	<Collection: 2 items>	104.7	54.1
B-058a	48.0	2	0.302	<Collection: 2 items>	104.8	56.6
B-059	56.0	2	0.585	<Collection: 2 items>	104.8	48.7
B-060	66.5	0	0.000	<Collection: 0 items>	105.1	38.6
B-061	62.0	2	0.321	<Collection: 2 items>	105.0	43.0
B-062	46.5	2	0.264	<Collection: 2 items>	104.8	58.2
B-063	52.0	0	0.000	<Collection: 0 items>	104.8	52.7
B-064	57.0	2	0.623	<Collection: 2 items>	104.8	47.7
B-064a	49.8	2	0.606	<Collection: 2 items>	104.8	54.9
B-065	46.5	0	0.000	<Collection: 0 items>	104.8	58.2
B-066	44.5	0	0.000	<Collection: 0 items>	104.8	60.2
B-077	62.0	0	0.000	<Collection: 0 items>	104.9	42.8
B-079	66.0	0	0.000	<Collection: 0 items>	104.4	38.3
B-080	73.0	2	0.264	<Collection: 2 items>	104.6	31.5
B-081	64.0	2	0.340	<Collection: 2 items>	104.6	40.5
B-082	70.0	2	0.246	<Collection: 2 items>	104.6	34.5
I-02	50.5	0	0.000	<Collection: 0 items>	104.3	53.7
I-04	51.5	0	0.000	<Collection: 0 items>	104.3	52.7
I-05	48.0	0	0.000	<Collection: 0 items>	104.3	56.2
S-001	70.0	2	0.378	<Collection: 2 items>	105.3	35.2
S-002	56.0	2	0.737	<Collection: 2 items>	104.7	48.6
S-003	46.0	2	0.378	<Collection: 2 items>	104.7	58.5
S-004	69.0	0	0.000	<Collection: 0 items>	105.2	36.1
S-004a	60.0	2	0.151	<Collection: 2 items>	104.9	44.8
S-005	69.0	2	0.510	<Collection: 2 items>	105.1	36.0
S-006	67.5	0	0.000	<Collection: 0 items>	104.9	37.3
S-007	66.0	0	0.000	<Collection: 0 items>	104.8	38.7
S-008	65.5	0	0.000	<Collection: 0 items>	104.7	39.2
S-008a	62.6	2	0.264	<Collection: 2 items>	104.7	42.0
S-009	64.0	2	0.321	<Collection: 2 items>	104.7	40.6

Greenbank (Everleigh) Water Supply Network Model
Peak Hour HLZ (Ultimate) Pipes and Nodes Flex Tables (Including Irrigation Nodes)
Junction Table - Time: 19.00 hours

Label	Elevation (m)	Unit Demand Collection <Count>	Demand (L/s)	Unit Demand Collection	Hydraulic Grade (m)	Pressure (m H2O)
S-010	61.5	2	0.434	<Collection: 2 items>	104.6	43.1
S-011	60.0	2	0.491	<Collection: 2 items>	104.6	44.5
S-012	57.0	2	0.227	<Collection: 2 items>	104.6	47.5
S-013	53.0	2	0.302	<Collection: 2 items>	104.5	51.4
S-014	72.0	2	0.302	<Collection: 2 items>	105.0	32.9
S-015	73.0	4	0.491	<Collection: 4 items>	105.0	31.9
S-016	73.0	2	0.707	<Collection: 2 items>	104.9	31.8
S-017	65.0	2	0.396	<Collection: 2 items>	104.8	39.8
S-018	62.5	2	0.302	<Collection: 2 items>	104.8	42.2
S-019	65.0	2	0.132	<Collection: 2 items>	104.7	39.6
S-020	71.0	0	0.000	<Collection: 0 items>	104.9	33.8
S-021	59.0	2	0.189	<Collection: 2 items>	104.7	45.6
S-022	56.5	0	0.000	<Collection: 0 items>	104.7	48.1
S-023	56.5	0	0.000	<Collection: 0 items>	104.7	48.1
S-024	56.0	2	0.302	<Collection: 2 items>	104.6	48.5
S-025	53.5	0	0.000	<Collection: 0 items>	104.6	51.0
S-026	53.0	0	0.000	<Collection: 0 items>	104.6	51.5
S-027	52.5	2	0.189	<Collection: 2 items>	104.5	51.9
S-027a	52.8	2	0.453	<Collection: 2 items>	104.5	51.6
S-028	51.0	0	0.000	<Collection: 0 items>	104.5	53.4
S-029	50.0	2	0.340	<Collection: 2 items>	104.4	54.3
S-030	49.0	0	0.000	<Collection: 0 items>	104.4	55.3
S-031	49.5	0	0.000	<Collection: 0 items>	104.4	54.8
S-032	50.0	0	0.000	<Collection: 0 items>	104.4	54.3
S-033	50.0	2	0.548	<Collection: 2 items>	104.4	54.3
S-034	56.5	2	0.340	<Collection: 2 items>	104.7	48.1
S-035	54.0	2	0.378	<Collection: 2 items>	104.6	50.5
S-036	51.0	2	0.416	<Collection: 2 items>	104.6	53.5
S-037	46.5	0	0.000	<Collection: 0 items>	104.5	57.9
S-038	46.5	2	0.528	<Collection: 2 items>	104.5	57.8
S-039	45.0	0	0.000	<Collection: 0 items>	104.4	59.3
S-040	48.0	2	0.416	<Collection: 2 items>	104.4	56.3
S-041	47.0	0	0.000	<Collection: 0 items>	104.4	57.3
S-042	58.0	2	0.246	<Collection: 2 items>	104.6	46.5

Greenbank (Everleigh) Water Supply Network Model
Peak Hour HLZ (Ultimate) Pipes and Nodes Flex Tables (Including Irrigation Nodes)
Junction Table - Time: 19.00 hours

Label	Elevation (m)	Unit Demand Collection <Count>	Demand (L/s)	Unit Demand Collection	Hydraulic Grade (m)	Pressure (m H2O)
S-043	53.0	2	0.302	<Collection: 2 items>	104.6	51.5
S-044	50.0	2	0.396	<Collection: 2 items>	104.5	54.4
S-044a	53.0	2	0.416	<Collection: 2 items>	104.5	51.4
S-045	51.0	2	0.378	<Collection: 2 items>	104.4	53.3
S-046	53.0	0	0.000	<Collection: 0 items>	104.4	51.3
S-047	51.5	2	0.396	<Collection: 2 items>	104.4	52.8
S-048	51.0	0	0.000	<Collection: 0 items>	104.4	53.3
S-049	56.0	0	0.000	<Collection: 0 items>	104.7	48.6
S-051	52.5	0	0.000	<Collection: 0 items>	104.5	51.9
S-052	66.5	0	0.000	<Collection: 0 items>	104.8	38.2
S-053	72.0	0	0.000	<Collection: 0 items>	105.1	33.0
S-054	46.5	2	0.302	<Collection: 2 items>	104.4	57.8
S-055	71.0	2	0.000	<Collection: 2 items>	106.5	35.4
S-100	70.1	0	0.000	<Collection: 0 items>	105.3	35.1
S-105	62.0	0	0.000	<Collection: 0 items>	104.9	42.8
S-110	63.0	2	1.624	<Collection: 2 items>	104.8	41.7
S-115	64.0	0	0.000	<Collection: 0 items>	104.8	40.7
S-120	66.0	2	1.321	<Collection: 2 items>	104.8	38.7
S-NEIGHBOURHOOD CENTRE	68.5	2	0.493	<Collection: 2 items>	106.5	37.9
T-1001	46.7	0	0.000	<Collection: 0 items>	104.3	57.5

Greenbank (Everleigh) Water Supply Network Model
Peak Hour HLZ (Ultimate) Pipes and Nodes Flex Tables (Including Irrigation Nodes)
Pipe Table - Time: 19.00 hours

ID	Label	Length (Scaled) (m)	Start Node	Stop Node	Diameter (mm)	Material	Hazen-Williams C	Flow (L/s)	Velocity (m/s)	Headloss Gradient (m/km)	Zone
96	P148 HLZ	76	B-043	B-041	200.0	PVC	120.0	13.484	0.429	1.314	HLZ
364	P149 HLZ	102	S-006	S-005	150.0	PVC	110.0	-6.435	0.364	1.592	HLZ
370	P150 HLZ	180	S-015	S-016	100.0	PVC	110.0	1.384	0.176	0.666	HLZ
379	P151 HLZ	72	S-006	S-007	100.0	PVC	110.0	2.406	0.306	1.855	HLZ
384	P152 HLZ	118	S-014	S-015	150.0	PVC	110.0	1.875	0.106	0.162	HLZ
386	P153 HLZ	105	S-014	S-020	100.0	PVC	110.0	1.974	0.251	1.286	HLZ
388	P154 HLZ	155	S-016	S-017	100.0	PVC	110.0	0.677	0.086	0.177	HLZ
390	P155 HLZ	134	S-020	S-017	100.0	PVC	110.0	0.790	0.101	0.236	HLZ
395	P156 HLZ	236	S-017	S-018	100.0	PVC	110.0	1.071	0.136	0.414	HLZ
402	P157 HLZ	66	S-027	S-026	100.0	PVC	110.0	-1.763	0.224	1.043	HLZ
406	P158 HLZ	191	S-009	S-010	100.0	PVC	110.0	0.956	0.122	0.336	HLZ
413	P159 HLZ	24	S-007	S-008	100.0	PVC	110.0	2.268	0.289	1.663	HLZ
414	P160 HLZ	43	S-008	S-009	100.0	PVC	110.0	1.284	0.163	0.580	HLZ
416	P161 HLZ	151	S-010	S-034	100.0	PVC	110.0	-0.756	0.096	0.217	HLZ
417	P162 HLZ	80	S-034	S-022	100.0	PVC	110.0	-0.375	0.048	0.059	HLZ
420	P163 HLZ	66	S-010	S-011	100.0	PVC	110.0	1.278	0.163	0.575	HLZ
421	P164 HLZ	131	S-011	S-012	100.0	PVC	110.0	0.859	0.109	0.276	HLZ
427	P165 HLZ	151	S-011	S-035	100.0	PVC	110.0	-0.073	0.009	0.003	HLZ
428	P166 HLZ	80	S-035	S-024	100.0	PVC	110.0	-1.032	0.131	0.387	HLZ
430	P167 HLZ	137	S-012	S-036	100.0	PVC	110.0	-0.508	0.065	0.104	HLZ
431	P168 HLZ	79	S-036	S-026	100.0	PVC	110.0	-0.342	0.044	0.050	HLZ
432	P169 HLZ	167	S-035	S-036	100.0	PVC	110.0	0.582	0.074	0.134	HLZ
434	P170 HLZ	100	S-005	S-004	200.0	PVC	120.0	-11.095	0.353	0.916	HLZ
435	P171 HLZ	75	S-004	S-001	200.0	PVC	120.0	-13.391	0.426	1.297	HLZ
437	P172 HLZ	38	S-022	S-021	150.0	PVC	110.0	-4.361	0.247	0.775	HLZ
441	P173 HLZ	40	S-024	S-023	150.0	PVC	110.0	-3.986	0.226	0.656	HLZ
442	P174 HLZ	27	S-023	S-022	150.0	PVC	110.0	-3.986	0.226	0.656	HLZ
445	P175 HLZ	44	S-028	S-027	100.0	PVC	110.0	-1.332	0.170	0.621	HLZ
448	P176 HLZ	49	S-026	S-025	150.0	PVC	110.0	-2.105	0.119	0.201	HLZ
449	P177 HLZ	138	S-025	S-024	150.0	PVC	110.0	-2.544	0.144	0.286	HLZ
453	P178 HLZ	113	S-025	S-043	100.0	PVC	110.0	0.440	0.056	0.080	HLZ
456	P179 HLZ	66	S-029	S-028	100.0	PVC	110.0	-1.638	0.209	0.911	HLZ
458	P180 HLZ	65	S-029	S-045	100.0	PVC	110.0	0.951	0.121	0.332	HLZ
460	P181 HLZ	99	S-045	S-046	100.0	PVC	110.0	0.000	0.000	0.000	HLZ

Greenbank (Everleigh) Water Supply Network Model
Peak Hour HLZ (Ultimate) Pipes and Nodes Flex Tables (Including Irrigation Nodes)
Pipe Table - Time: 19.00 hours

ID	Label	Length (Scaled) (m)	Start Node	Stop Node	Diameter (mm)	Material	Hazen-Williams C	Flow (L/s)	Velocity (m/s)	Headloss Gradient (m/km)	Zone
467	P182 HLZ	23	S-033	S-032	100.0	PVC	110.0	-0.762	0.097	0.221	HLZ
471	P183 HLZ	39	S-032	S-031	100.0	PVC	110.0	-0.586	0.075	0.136	HLZ
475	P184 HLZ	69	S-031	S-030	100.0	PVC	110.0	-1.089	0.139	0.428	HLZ
476	P185 HLZ	109	S-030	S-029	100.0	PVC	110.0	-0.348	0.044	0.052	HLZ
478	P186 HLZ	175	S-030	S-038	100.0	PVC	110.0	-0.741	0.094	0.210	HLZ
480	P187 HLZ	111	S-012	S-013	100.0	PVC	110.0	1.140	0.145	0.466	HLZ
486	P188 HLZ	366	S-001	S-002	100.0	PVC	110.0	2.233	0.284	1.616	HLZ
488	P189 HLZ	65	S-042	S-002	100.0	PVC	110.0	-1.119	0.142	0.449	HLZ
490	P190 HLZ	207	S-002	S-003	100.0	PVC	110.0	0.378	0.048	0.060	HLZ
491	P191 HLZ	20	S-003	B-066	100.0	PVC	110.0	0.000	0.000	0.000	HLZ
495	P192 HLZ	133	S-045	S-047	100.0	PVC	110.0	0.573	0.073	0.130	HLZ
496	P193 HLZ	118	S-047	S-032	100.0	PVC	110.0	0.177	0.022	0.015	HLZ
498	P194 HLZ	22	S-047	S-048	100.0	PVC	110.0	0.000	0.000	0.000	HLZ
500	P195 HLZ	176	S-043	S-044	100.0	PVC	110.0	1.118	0.142	0.449	HLZ
507	P196 HLZ	198	S-018	S-019	100.0	PVC	110.0	0.769	0.098	0.224	HLZ
508	P197 HLZ	214	S-019	S-009	100.0	PVC	110.0	-0.006	0.001	0.000	HLZ
510	P198 HLZ	250	S-019	S-049	100.0	PVC	110.0	0.643	0.082	0.161	HLZ
512	P199 HLZ	465	S-049	S-050	100.0	PVC	110.0	0.643	0.082	0.161	HLZ
514	P200 HLZ	453	S-050	S-051	100.0	PVC	110.0	0.643	0.082	0.161	HLZ
516	P201 HLZ	25	S-038	S-037	100.0	PVC	110.0	-1.270	0.162	0.568	HLZ
517	P202 HLZ	273	S-037	S-013	100.0	PVC	110.0	-0.627	0.080	0.154	HLZ
518	P203 HLZ	272	S-051	S-037	100.0	PVC	110.0	0.643	0.082	0.161	HLZ
521	P204 HLZ	141	S-031	S-054	100.0	PVC	110.0	0.503	0.064	0.102	HLZ
523	P205 HLZ	64	S-054	S-039	100.0	PVC	110.0	0.187	0.024	0.016	HLZ
524	P206 HLZ	197	S-039	S-040	100.0	PVC	110.0	0.187	0.024	0.016	HLZ
526	P207 HLZ	192	S-033	S-041	100.0	PVC	110.0	0.215	0.027	0.021	HLZ
527	P208 HLZ	180	S-041	S-040	100.0	PVC	110.0	0.229	0.029	0.024	HLZ
528	P209 HLZ	82	S-054	S-041	100.0	PVC	110.0	0.014	0.002	0.000	HLZ
531	P210 HLZ	109	S-052	S-020	100.0	PVC	110.0	-1.184	0.151	0.499	HLZ
546	P211 HLZ	76	B-002	B-003	100.0	PVC	110.0	0.614	0.078	0.148	HLZ
548	P212 HLZ	268	B-002	B-009	100.0	PVC	110.0	0.312	0.040	0.042	HLZ
549	P213 HLZ	110	B-009	B-003	100.0	PVC	110.0	-0.047	0.006	0.001	HLZ
553	P214 HLZ	25	B-003	B-004	100.0	PVC	110.0	0.567	0.072	0.127	HLZ
554	P215 HLZ	23	B-004	B-010	100.0	PVC	110.0	0.000	0.000	0.000	HLZ

Greenbank (Everleigh) Water Supply Network Model
Peak Hour HLZ (Ultimate) Pipes and Nodes Flex Tables (Including Irrigation Nodes)
Pipe Table - Time: 19.00 hours

ID	Label	Length (Scaled) (m)	Start Node	Stop Node	Diameter (mm)	Material	Hazen-Williams C	Flow (L/s)	Velocity (m/s)	Headloss Gradient (m/km)	Zone
558	P216 HLZ	94	B-006	B-007	100.0	PVC	110.0	0.163	0.021	0.013	HLZ
560	P217 HLZ	89	B-007	B-011	100.0	PVC	110.0	0.163	0.021	0.013	HLZ
561	P218 HLZ	193	B-011	B-006	100.0	PVC	110.0	-0.158	0.020	0.012	HLZ
563	P219 HLZ	108	B-007	B-008	100.0	PVC	110.0	0.000	0.000	0.000	HLZ
568	P220 HLZ	152	B-012	B-014	100.0	PVC	110.0	0.476	0.061	0.092	HLZ
572	P221 HLZ	117	B-012	B-013	150.0	PVC	110.0	-2.063	0.117	0.194	HLZ
577	P222 HLZ	227	B-017	B-016	100.0	PVC	110.0	-0.078	0.010	0.003	HLZ
580	P223 HLZ	187	B-016	B-019	100.0	PVC	110.0	0.218	0.028	0.022	HLZ
583	P224 HLZ	78	B-018	B-017	100.0	PVC	110.0	0.432	0.055	0.077	HLZ
584	P225 HLZ	164	B-019	B-018	100.0	PVC	110.0	-0.367	0.047	0.057	HLZ
590	P226 HLZ	141	B-024	B-021	100.0	PVC	110.0	-1.048	0.133	0.398	HLZ
592	P227 HLZ	62	B-026	B-025	150.0	PVC	110.0	3.545	0.201	0.528	HLZ
593	P228 HLZ	138	B-025	B-023	150.0	PVC	110.0	1.959	0.111	0.176	HLZ
601	P229 HLZ	31	B-023	B-022	150.0	PVC	110.0	2.606	0.147	0.298	HLZ
602	P230 HLZ	36	B-022	B-021	150.0	PVC	110.0	3.080	0.174	0.407	HLZ
616	P231 HLZ	111	B-030	B-029	150.0	PVC	110.0	-0.782	0.044	0.032	HLZ
618	P232 HLZ	62	B-031	B-029	150.0	PVC	110.0	-0.329	0.019	0.006	HLZ
619	P233 HLZ	73	B-029	B-028	150.0	PVC	110.0	-1.111	0.063	0.062	HLZ
623	P234 HLZ	52	B-041	B-037	150.0	PVC	110.0	5.937	0.336	1.372	HLZ
624	P235 HLZ	60	B-037	B-036	150.0	PVC	110.0	2.978	0.169	0.382	HLZ
625	P236 HLZ	153	B-038	B-037	150.0	PVC	110.0	-2.449	0.139	0.266	HLZ
627	P237 HLZ	251	B-030	B-032	150.0	PVC	110.0	-0.278	0.016	0.005	HLZ
631	P238 HLZ	150	B-039	B-038	150.0	PVC	110.0	-1.036	0.059	0.054	HLZ
634	P239 HLZ	66	B-043	B-044	150.0	PVC	110.0	-1.123	0.064	0.063	HLZ
636	P240 HLZ	236	B-044	B-045	150.0	PVC	110.0	0.417	0.024	0.010	HLZ
640	P241 HLZ	210	B-049	B-048	100.0	PVC	110.0	-1.025	0.130	0.382	HLZ
642	P242 HLZ	27	B-048	B-047	100.0	PVC	110.0	-0.258	0.033	0.030	HLZ
643	P243 HLZ	116	B-047	B-044	100.0	PVC	110.0	1.540	0.196	0.812	HLZ
646	P244 HLZ	115	B-046	B-043	200.0	PVC	120.0	11.492	0.366	0.977	HLZ
647	P245 HLZ	63	B-047	B-046	150.0	PVC	110.0	-2.194	0.124	0.217	HLZ
649	P246 HLZ	74	B-048	B-050	100.0	PVC	110.0	-0.767	0.098	0.223	HLZ
651	P247 HLZ	101	B-050	B-052	100.0	PVC	110.0	-1.980	0.252	1.293	HLZ
657	P248 HLZ	189	B-054	B-053	100.0	PVC	110.0	-0.787	0.100	0.234	HLZ
660	P249 HLZ	121	B-051	B-046	200.0	PVC	120.0	13.989	0.445	1.406	HLZ

Greenbank (Everleigh) Water Supply Network Model
Peak Hour HLZ (Ultimate) Pipes and Nodes Flex Tables (Including Irrigation Nodes)
Pipe Table - Time: 19.00 hours

ID	Label	Length (Scaled) (m)	Start Node	Stop Node	Diameter (mm)	Material	Hazen-Williams C	Flow (L/s)	Velocity (m/s)	Headloss Gradient (m/km)	Zone
661	P250 HLZ	66	B-052	B-051	150.0	PVC	110.0	-3.632	0.206	0.552	HLZ
668	P251 HLZ	123	B-064	B-061	100.0	PVC	110.0	-2.251	0.287	1.640	HLZ
673	P252 HLZ	126	B-062	B-063	100.0	PVC	110.0	-0.800	0.102	0.242	HLZ
674	P253 HLZ	122	B-063	B-064	100.0	PVC	110.0	-0.800	0.102	0.242	HLZ
679	P254 HLZ	292	B-059	B-058	100.0	PVC	110.0	1.001	0.127	0.366	HLZ
683	P255 HLZ	101	B-061	B-060	150.0	PVC	110.0	-5.043	0.285	1.014	HLZ
685	P256 LLZ	111	B-059	B-061	100.0	PVC	110.0	-2.471	0.315	1.950	HLZ
692	P257 LLZ	129	B-058	B-056	100.0	PVC	110.0	2.115	0.269	1.461	HLZ
693	P258 HLZ	175	B-056	B-055	100.0	PVC	110.0	0.995	0.127	0.362	HLZ
694	P259 HLZ	182	B-057	B-056	100.0	PVC	110.0	-0.874	0.111	0.285	HLZ
698	P260 HLZ	151	B-062	B-065	100.0	PVC	110.0	-0.222	0.028	0.022	HLZ
701	P261 HLZ	86	B-065	B-066	100.0	PVC	110.0	0.000	0.000	0.000	HLZ
734	P262 HLZ	125	B-042	B-041	250.0	PVC	120.0	0.000	0.000	0.000	HLZ
738	P263 HLZ	103	B-041	B-035	250.0	PVC	120.0	7.547	0.154	0.151	HLZ
743	P264 HLZ	27	B-039	B-040	150.0	PVC	110.0	0.000	0.000	0.000	HLZ
744	P265 HLZ	128	B-031	B-032	150.0	PVC	110.0	0.527	0.030	0.015	HLZ
745	P266 HLZ	81	B-043	B-055	150.0	PVC	110.0	-0.868	0.049	0.039	HLZ
747	P267 HLZ	154	B-035	B-034	250.0	PVC	120.0	7.547	0.154	0.151	HLZ
752	P268 HLZ	69	B-034	B-033	250.0	PVC	120.0	7.547	0.154	0.151	HLZ
758	P269 HLZ	48	B-028	B-027	150.0	PVC	110.0	0.360	0.020	0.008	HLZ
763	P270 HLZ	42	B-004	B-005	100.0	PVC	110.0	0.567	0.072	0.127	HLZ
764	P271 HLZ	32	B-005	B-006	100.0	PVC	110.0	0.567	0.072	0.127	HLZ
770	P272 HLZ	18	S-005	S-053	150.0	PVC	110.0	4.151	0.235	0.707	HLZ
771	P273 HLZ	56	S-053	S-014	150.0	PVC	110.0	4.151	0.235	0.707	HLZ
778	P274 HLZ	212	B-016	B-020	150.0	PVC	110.0	-3.397	0.192	0.488	HLZ
779	P275 HLZ	272	B-020	B-026	150.0	PVC	110.0	-4.002	0.226	0.661	HLZ
783	P276 HLZ	49	S-055	S-NEIGHBOUR HOOD CENTRE	200.0	PVC	120.0	0.493	0.016	0.003	HLZ
789	P277 HLZ	70	B-051	B-077	200.0	PVC	120.0	-18.017	0.573	2.247	HLZ
790	P278 HLZ	107	B-077	B-060	200.0	PVC	120.0	-18.017	0.573	2.247	HLZ
825	P279 HLZ	86	PRV-2	Teviot Rd Connection 1	250.0	PVC	120.0	0.000	0.000	0.000	HLZ

Greenbank (Everleigh) Water Supply Network Model
Peak Hour HLZ (Ultimate) Pipes and Nodes Flex Tables (Including Irrigation Nodes)
Pipe Table - Time: 19.00 hours

ID	Label	Length (Scaled) (m)	Start Node	Stop Node	Diameter (mm)	Material	Hazen-Williams C	Flow (L/s)	Velocity (m/s)	Headloss Gradient (m/km)	Zone
834	P280 HLZ	156	B-042	B-079	250.0	PVC	120.0	0.000	0.000	0.000	HLZ
835	P281 HLZ	35	B-079	PRV-2	250.0	PVC	120.0	0.000	0.000	0.000	HLZ
841	P282 HLZ	79	B-080	B-053	100.0	PVC	110.0	0.915	0.117	0.310	HLZ
848	P283 HLZ	217	B-053	B-081	100.0	PVC	110.0	-0.420	0.053	0.073	HLZ
849	P284 HLZ	77	B-081	B-050	100.0	PVC	110.0	-0.759	0.097	0.219	HLZ
851	P285 HLZ	144	B-052	B-082	100.0	PVC	110.0	1.425	0.181	0.704	HLZ
852	P286 HLZ	77	B-082	B-080	100.0	PVC	110.0	1.180	0.150	0.496	HLZ
961	P287 HLZ	61	S-044	S-044a	100.0	PVC	110.0	0.722	0.092	0.200	HLZ
962	P288 HLZ	148	S-044a	S-028	100.0	PVC	110.0	0.306	0.039	0.041	HLZ
976	P289 HLZ	136	S-042	S-043	100.0	PVC	110.0	0.981	0.125	0.352	HLZ
978	P290 HLZ	88	B-062	B-058a	100.0	PVC	110.0	0.758	0.096	0.218	HLZ
979	P291 HLZ	64	B-058a	B-058	100.0	PVC	110.0	1.341	0.171	0.628	HLZ
980	P292 HLZ	227	B-059	B-058a	100.0	PVC	110.0	0.885	0.113	0.291	HLZ
983	P293 HLZ	108	B-055b	B-057	100.0	PVC	110.0	-0.459	0.058	0.086	HLZ
985	P294 HLZ	270	B-015	B-018a	100.0	PVC	110.0	-0.808	0.103	0.246	HLZ
987	P295 HLZ	64	B-018	B-018a	100.0	PVC	110.0	1.129	0.144	0.457	HLZ
991	P296 HLZ	92	B-012	B-002	100.0	PVC	110.0	1.360	0.173	0.645	HLZ
1024	P297 HLZ	39	B-033	T-1001	250.0	PVC	120.0	7.547	0.154	0.151	HLZ
1025	P298 HLZ	50	T-1001	B-026	250.0	PVC	120.0	7.547	0.154	0.151	HLZ
1042	P299 HLZ	85	B-021	B-021a	100.0	PVC	110.0	1.787	0.227	1.070	HLZ
1043	P300 HLZ	68	B-021a	B-018	100.0	PVC	110.0	2.193	0.279	1.563	HLZ
1044	P301 HLZ	236	B-024	B-021a	100.0	PVC	110.0	0.613	0.078	0.148	HLZ
1046	P302 HLZ	97	B-065	B-064a	100.0	PVC	110.0	-0.222	0.028	0.023	HLZ
1047	P303 HLZ	212	B-064a	B-064	100.0	PVC	110.0	-0.828	0.105	0.257	HLZ
1052	P304 HLZ	72	S-013	S-027a	100.0	PVC	110.0	0.211	0.027	0.021	HLZ
1053	P305 HLZ	84	S-027a	S-027	100.0	PVC	110.0	-0.242	0.031	0.026	HLZ
1055	P306 HLZ	73	S-008	S-008a	100.0	PVC	110.0	0.985	0.125	0.355	HLZ
1056	P307 HLZ	153	S-008a	S-034	100.0	PVC	110.0	0.720	0.092	0.199	HLZ
1058	P308 HLZ	127	B-036	B-036a	150.0	PVC	110.0	0.796	0.045	0.033	HLZ
1061	P309 HLZ	245	B-032	B-039a	150.0	PVC	110.0	-0.111	0.006	0.001	HLZ
1062	P310 HLZ	59	B-039a	B-039	150.0	PVC	110.0	-0.772	0.044	0.031	HLZ
1065	P311 HLZ	64	B-038a	B-038	150.0	PVC	110.0	-0.960	0.054	0.047	HLZ
1067	P312 HLZ	74	B-031	B-031a	150.0	PVC	110.0	-0.198	0.011	0.003	HLZ
1068	P313 HLZ	107	B-031a	B-038a	150.0	PVC	110.0	-0.960	0.054	0.047	HLZ

Greenbank (Everleigh) Water Supply Network Model
Peak Hour HLZ (Ultimate) Pipes and Nodes Flex Tables (Including Irrigation Nodes)
Pipe Table - Time: 19.00 hours

ID	Label	Length (Scaled) (m)	Start Node	Stop Node	Diameter (mm)	Material	Hazen-Williams C	Flow (L/s)	Velocity (m/s)	Headloss Gradient (m/km)	Zone
1070	P314 HLZ	68	B-036	B-028a	150.0	PVC	110.0	2.182	0.123	0.215	HLZ
1071	P315 HLZ	64	B-028a	B-028	150.0	PVC	110.0	1.471	0.083	0.104	HLZ
1074	P316 HLZ	79	B-031a	B-031b	100.0	PVC	110.0	-0.446	0.057	0.082	HLZ
1075	P317 HLZ	60	B-031b	B-028a	100.0	PVC	110.0	-0.446	0.057	0.082	HLZ
1077	P318 HLZ	222	B-022	B-030a	150.0	PVC	110.0	-0.475	0.027	0.013	HLZ
1078	P319 HLZ	171	B-030a	B-030	150.0	PVC	110.0	-0.588	0.033	0.019	HLZ
1080	P320 HLZ	117	B-036a	B-025a	150.0	PVC	110.0	0.551	0.031	0.017	HLZ
1081	P321 HLZ	79	B-025a	B-025	150.0	PVC	110.0	-1.058	0.060	0.056	HLZ
1083	P322 HLZ	82	B-027	B-023a	150.0	PVC	110.0	-0.188	0.011	0.002	HLZ
1084	P323 HLZ	79	B-023a	B-023	150.0	PVC	110.0	1.081	0.061	0.058	HLZ
1087	P324 HLZ	77	B-025a	B-023b	150.0	PVC	110.0	1.608	0.091	0.122	HLZ
1088	P325 HLZ	74	B-023b	B-023a	150.0	PVC	110.0	1.269	0.072	0.079	HLZ
1177	P326 HLZ	141	B-049	B-049a	100.0	PVC	110.0	-0.088	0.011	0.004	HLZ
1178	P327 HLZ	154	B-049a	B-054	100.0	PVC	110.0	-0.560	0.071	0.125	HLZ
1180	P328 HLZ	68	B-045	B-045a	100.0	PVC	110.0	-0.017	0.002	0.000	HLZ
1181	P329 HLZ	199	B-045a	B-049	100.0	PVC	110.0	-0.433	0.055	0.077	HLZ
1183	P330 HLZ	70	B-055	B-055a	100.0	PVC	110.0	0.126	0.016	0.008	HLZ
1184	P331 HLZ	127	B-055a	B-055b	100.0	PVC	110.0	-0.213	0.027	0.021	HLZ
1186	P332 HLZ	81	B-014	B-014a	100.0	PVC	110.0	0.192	0.024	0.017	HLZ
1187	P333 HLZ	123	B-014a	B-015	100.0	PVC	110.0	-0.336	0.043	0.048	HLZ
1189	P334 HLZ	115	B-013	B-016a	150.0	PVC	110.0	-2.365	0.134	0.249	HLZ
1190	P335 HLZ	82	B-016a	B-016	150.0	PVC	110.0	-2.875	0.163	0.358	HLZ
1223	P337 HLZ	364	S-100	S-055	250.0	PVC	120.0	-39.062	0.796	3.177	HLZ
1225	P338 HLZ	43	S-001	S-100	200.0	PVC	120.0	-16.002	0.509	1.804	HLZ
1226	P339 HLZ	54	S-100	B-060	200.0	PVC	120.0	23.060	0.734	3.549	HLZ
1228	P340 HLZ	121	Teviot Road Connection 2	PRV-3	250.0	PVC	120.0	39.555	0.806	3.251	HLZ
1229	P341 HLZ	36	PRV-3	S-055	250.0	PVC	120.0	39.555	0.806	3.251	HLZ
1231	P342 HLZ	140	S-004	S-105	100.0	PVC	110.0	2.296	0.292	1.702	HLZ
1232	P343 HLZ	98	S-105	S-004a	100.0	PVC	110.0	0.151	0.019	0.011	HLZ
1234	P344 HLZ	71	S-105	S-110	100.0	PVC	110.0	2.145	0.273	1.500	HLZ
1236	P345 HLZ	119	S-021	S-115	150.0	PVC	110.0	-4.550	0.257	0.838	HLZ
1237	P346 HLZ	144	S-115	S-006	150.0	PVC	110.0	-4.029	0.228	0.669	HLZ
1238	P347 HLZ	40	S-110	S-115	100.0	PVC	110.0	0.521	0.066	0.109	HLZ

Greenbank (Everleigh) Water Supply Network Model
Peak Hour HLZ (Ultimate) Pipes and Nodes Flex Tables (Including Irrigation Nodes)
Pipe Table - Time: 19.00 hours

ID	Label	Length (Scaled) (m)	Start Node	Stop Node	Diameter (mm)	Material	Hazen-Williams C	Flow (L/s)	Velocity (m/s)	Headloss Gradient (m/km)	Zone
1240	P348 HLZ	144	S-007	S-120	100.0	PVC	110.0	0.138	0.018	0.009	HLZ
1241	P349 HLZ	112	S-120	S-052	100.0	PVC	110.0	-1.184	0.151	0.499	HLZ
1249	P350 HLZ	75	S-042	S-024	100.0	PVC	110.0	-0.107	0.014	0.006	HLZ
755	P355 HLZ IRRIG	24	B-033	I-05	100.0	PVC	110.0	0.000	0.000	0.000	HLZ Irrigation

Greenbank (Everleigh) Water Supply Network Model
Peak Hour LLZ (Ultimate) Pipes and Nodes Flex Tables (Includes Irrigation Demands)
LLZ and HLZ Extents - Time: 19.00 hours



Greenbank (Everleigh) Water Supply Network Model
Peak Hour LLZ (Ultimate) Pipes and Nodes Flex Tables (Includes Irrigation Demands)
Junction Table - Time: 19.00 hours

Label	Elevation (m)	Unit Demand Collection <Count>	Demand (L/s)	Unit Demand Collection	Hydraulic Grade (m)	Pressure (m H2O)
B-067	44.5	0	0.000	<Collection: 0 items>	83.7	39.1
B-068	46.0	2	0.340	<Collection: 2 items>	83.7	37.6
B-068a	49.5	0	0.000	<Collection: 0 items>	83.6	34.0
B-068b	50.5	0	0.000	<Collection: 0 items>	83.6	33.0
B-069	50.5	2	0.585	<Collection: 2 items>	83.6	33.0
B-070	48.5	2	0.453	<Collection: 2 items>	83.6	35.0
B-071	45.3	2	0.491	<Collection: 2 items>	83.6	38.2
B-071a	47.0	2	0.246	<Collection: 2 items>	83.6	36.5
B-072	50.5	0	0.000	<Collection: 0 items>	83.6	33.0
B-073	49.0	2	0.510	<Collection: 2 items>	83.6	34.5
B-074	43.5	2	0.359	<Collection: 2 items>	83.6	40.0
B-075	49.5	0	0.000	<Collection: 0 items>	83.6	34.0
B-076	47.5	0	0.000	<Collection: 0 items>	83.6	36.0
B-078	45.0	2	0.396	<Collection: 2 items>	83.6	38.5
I-07	35.0	0	0.000	<Collection: 0 items>	84.2	49.1
I-SCHOOL	40.5	0	0.000	<Collection: 0 items>	83.8	43.2
I-SPORT & REC PARK	36.0	0	0.000	<Collection: 0 items>	84.1	48.0
J-269	45.0	0	0.000	<Collection: 0 items>	83.5	38.5
J-272	43.0	0	0.000	<Collection: 0 items>	83.5	40.4
J-273	44.1	0	0.000	<Collection: 0 items>	83.5	39.3
J-274	45.1	0	0.000	<Collection: 0 items>	83.5	38.3
J-275	44.7	0	0.000	<Collection: 0 items>	83.5	38.7
J-276	45.4	0	0.000	<Collection: 0 items>	83.5	38.0
J-277	45.3	0	0.000	<Collection: 0 items>	83.5	38.1
J-288	43.0	0	0.000	<Collection: 0 items>	83.6	40.6
J-291	38.5	0	0.000	<Collection: 0 items>	83.7	45.1
L-001	42.5	0	0.000	<Collection: 0 items>	84.6	42.0
L-002	42.0	0	0.000	<Collection: 0 items>	84.4	42.3
L-003	46.0	2	0.340	<Collection: 2 items>	84.2	38.1
L-004	49.0	2	0.491	<Collection: 2 items>	83.9	34.9
L-005	47.0	0	0.000	<Collection: 0 items>	83.7	36.7
L-006	45.0	2	0.264	<Collection: 2 items>	83.7	38.7
L-007	41.0	2	0.151	<Collection: 2 items>	83.5	42.4
L-008	40.5	2	0.528	<Collection: 2 items>	83.7	43.2

Greenbank (Everleigh) Water Supply Network Model
Peak Hour LLZ (Ultimate) Pipes and Nodes Flex Tables (Includes Irrigation Demands)
Junction Table - Time: 19.00 hours

Label	Elevation (m)	Unit Demand Collection <Count>	Demand (L/s)	Unit Demand Collection	Hydraulic Grade (m)	Pressure (m H2O)
L-008a	35.0	2	0.321	<Collection: 2 items>	83.5	48.4
L-009	45.5	2	0.359	<Collection: 2 items>	83.6	38.0
L-010	36.5	2	0.548	<Collection: 2 items>	83.4	46.8
L-010a	41.0	0	0.000	<Collection: 0 items>	83.4	42.3
L-012	43.0	2	0.378	<Collection: 2 items>	83.5	40.4
L-013	38.0	0	0.000	<Collection: 0 items>	84.2	46.1
L-014	40.0	0	0.000	<Collection: 0 items>	84.0	43.9
L-015	41.0	0	0.000	<Collection: 0 items>	83.8	42.7
L-016	41.0	0	0.000	<Collection: 0 items>	83.8	42.7
L-017	43.0	0	0.000	<Collection: 0 items>	83.7	40.6
L-018	37.0	0	0.000	<Collection: 0 items>	84.1	47.0
L-019	31.5	0	0.000	<Collection: 0 items>	83.7	52.1
L-020	34.0	2	0.264	<Collection: 2 items>	83.6	49.5
L-021	38.0	2	0.321	<Collection: 2 items>	83.6	45.5
L-022	40.0	0	0.000	<Collection: 0 items>	83.6	43.5
L-023	43.0	0	0.000	<Collection: 0 items>	83.6	40.5
L-024	45.0	2	0.453	<Collection: 2 items>	83.6	38.5
L-025	40.0	2	0.321	<Collection: 2 items>	83.8	43.7
L-026	39.0	2	0.284	<Collection: 2 items>	83.7	44.6
L-027	37.0	2	0.302	<Collection: 2 items>	83.7	46.6
L-027a	36.5	2	0.189	<Collection: 2 items>	83.7	47.1
L-028	35.0	0	0.000	<Collection: 0 items>	83.6	48.5
L-029	40.0	2	0.321	<Collection: 2 items>	83.7	43.6
L-030	38.5	2	0.227	<Collection: 2 items>	83.6	45.0
L-031	37.5	2	0.208	<Collection: 2 items>	83.6	46.0
L-032	42.0	2	0.623	<Collection: 2 items>	83.7	41.6
L-033	44.0	2	0.246	<Collection: 2 items>	83.6	39.5
L-034	43.0	2	0.396	<Collection: 2 items>	84.4	41.3
L-034a	45.0	2	0.284	<Collection: 2 items>	84.3	39.1
L-035	45.9	2	0.623	<Collection: 2 items>	84.2	38.2
L-035a	44.3	0	0.000	<Collection: 0 items>	84.2	39.9
L-036	47.0	0	0.000	<Collection: 0 items>	84.2	37.1
L-037	41.5	2	0.387	<Collection: 2 items>	84.2	42.6
L-038	49.0	2	0.623	<Collection: 2 items>	84.2	35.1

Greenbank (Everleigh) Water Supply Network Model
Peak Hour LLZ (Ultimate) Pipes and Nodes Flex Tables (Includes Irrigation Demands)
Junction Table - Time: 19.00 hours

Label	Elevation (m)	Unit Demand Collection <Count>	Demand (L/s)	Unit Demand Collection	Hydraulic Grade (m)	Pressure (m H2O)
L-039	39.0	2	0.208	<Collection: 2 items>	84.2	45.1
L-040	38.5	2	0.359	<Collection: 2 items>	84.2	45.6
L-040a	41.0	2	0.396	<Collection: 2 items>	84.2	43.1
L-041	35.5	2	0.302	<Collection: 2 items>	84.2	48.6
L-042	44.5	0	0.000	<Collection: 0 items>	83.5	38.9
L-043	46.0	2	0.959	<Collection: 2 items>	83.5	37.4
L-044	43.5	2	0.227	<Collection: 2 items>	83.5	39.9
L-045	41.0	2	0.396	<Collection: 2 items>	84.3	43.2
L-046	40.0	0	0.000	<Collection: 0 items>	84.1	44.0
L-047	46.0	0	0.000	<Collection: 0 items>	83.6	37.5
L-1000	35.0	2	0.151	<Collection: 2 items>	83.6	48.5
L-1005	46.0	2	0.151	<Collection: 2 items>	83.5	37.5
L-1010	42.5	2	0.302	<Collection: 2 items>	83.5	41.0
L-1015	46.0	2	0.189	<Collection: 2 items>	83.5	37.5
L-1020	44.0	2	0.396	<Collection: 2 items>	83.5	39.4
L-1025	38.0	2	1.039	<Collection: 2 items>	84.0	45.9
L-1030	35.0	2	0.510	<Collection: 2 items>	83.7	48.6
L-1035	36.0	2	0.416	<Collection: 2 items>	83.9	47.8
L-1040	37.0	2	0.434	<Collection: 2 items>	83.7	46.6
L-1045	32.5	2	0.321	<Collection: 2 items>	83.7	51.1
L-1050	40.5	2	0.208	<Collection: 2 items>	83.6	43.0
L-1055	41.5	2	0.227	<Collection: 2 items>	83.6	42.0
L-1060	39.5	2	0.264	<Collection: 2 items>	83.6	44.1
L-1065	40.0	2	0.227	<Collection: 2 items>	83.7	43.6
L-1075	41.0	2	0.887	<Collection: 2 items>	83.7	42.6
L-1080	38.0	0	0.000	<Collection: 0 items>	83.7	45.6
L-1085	33.6	0	0.000	<Collection: 0 items>	83.9	50.1
L-1090	37.0	2	2.075	<Collection: 2 items>	83.3	46.2
L-ECO-001	43.0	2	0.359	<Collection: 2 items>	83.4	40.3
L-ECO-002	42.0	2	0.887	<Collection: 2 items>	83.4	41.3
L-ECO-003	41.0	2	0.491	<Collection: 2 items>	83.4	42.3
L-ECO-004	40.0	2	0.378	<Collection: 2 items>	83.4	43.3
L-ECO-005	40.0	2	0.359	<Collection: 2 items>	83.4	43.3
L-ECO-006	37.0	2	0.396	<Collection: 2 items>	83.4	46.3

Greenbank (Everleigh) Water Supply Network Model
Peak Hour LLZ (Ultimate) Pipes and Nodes Flex Tables (Includes Irrigation Demands)
Junction Table - Time: 19.00 hours

Label	Elevation (m)	Unit Demand Collection <Count>	Demand (L/s)	Unit Demand Collection	Hydraulic Grade (m)	Pressure (m H2O)
L-ECO-008	37.0	2	0.416	<Collection: 2 items>	83.4	46.4
L-ECO_007	41.0	0	0.000	<Collection: 0 items>	83.4	42.3
L-SCHOOL	40.5	2	0.991	<Collection: 2 items>	83.8	43.2
L-SPORT & REC CLUBHOUSE	45.5	2	0.081	<Collection: 2 items>	83.9	38.4
T-1010	40.3	0	0.000	<Collection: 0 items>	83.9	43.5

Greenbank (Everleigh) Water Supply Network Model
Peak Hour LLZ (Ultimate) Pipes and Nodes Flex Tables (Includes Irrigation Demands)
Pipe Table - Time: 19.00 hours

ID	Label	Length (Scaled) (m)	Start Node	Stop Node	Diameter (mm)	Material	Hazen-Williams C	Flow (L/s)	Velocity (m/s)	Headloss Gradient (m/km)	Zone
119	P001 LLZ	26	L-016	L-SCHOOL	150.0	PVC	110.0	0.991	0.056	0.050	LLZ
141	P002 LLZ	182	L-016	L-017	150.0	PVC	110.0	3.042	0.172	0.398	LLZ
178	P003 LLZ	75	L-005	L-006	100.0	PVC	110.0	-0.044	0.006	0.001	LLZ
183	P004 LLZ	104	L-004	L-005	100.0	PVC	110.0	2.386	0.304	1.827	LLZ
197	P005 LLZ	205	L-003	L-004	150.0	PVC	110.0	5.813	0.329	1.319	LLZ
198	P006 LLZ	215	L-008	L-003	100.0	PVC	110.0	-2.589	0.330	2.125	LLZ
199	P007 LLZ	67	L-006	L-008	100.0	PVC	110.0	-0.308	0.039	0.041	LLZ
211	P008 LLZ	75	L-012	L-007	100.0	PVC	110.0	-0.824	0.105	0.255	LLZ
224	P009 LLZ	71	L-036	L-038	100.0	PVC	110.0	0.863	0.110	0.278	LLZ
228	P010 LLZ	144	L-040	L-039	100.0	PVC	110.0	-0.438	0.056	0.079	LLZ
230	P011 LLZ	123	L-036	L-037	100.0	PVC	110.0	0.153	0.019	0.011	LLZ
232	P012 LLZ	89	L-039	L-037	100.0	PVC	110.0	-0.723	0.092	0.200	LLZ
233	P013 LLZ	165	L-038	L-039	100.0	PVC	110.0	-0.078	0.010	0.003	LLZ
235	P014 LLZ	68	L-013	L-018	150.0	PVC	110.0	5.980	0.338	1.390	LLZ
249	P015 LLZ	18	L-015	L-016	150.0	PVC	110.0	4.033	0.228	0.670	LLZ
251	P016 LLZ	67	L-015	L-032	100.0	PVC	110.0	1.812	0.231	1.098	LLZ
259	P017 LLZ	108	L-027	L-025	100.0	PVC	110.0	-1.260	0.160	0.560	LLZ
260	P018 LLZ	63	L-025	L-014	100.0	PVC	110.0	-3.211	0.409	3.168	LLZ
262	P019 LLZ	83	L-025	L-029	100.0	PVC	110.0	1.631	0.208	0.903	LLZ
263	P020 LLZ	143	L-029	L-032	100.0	PVC	110.0	0.026	0.003	0.000	LLZ
265	P021 LLZ	77	L-020	L-028	100.0	PVC	110.0	-0.369	0.047	0.058	LLZ
268	P022 LLZ	79	L-028	L-031	100.0	PVC	110.0	0.758	0.096	0.218	LLZ
270	P023 LLZ	41	L-021	L-022	100.0	PVC	110.0	-0.449	0.057	0.083	LLZ
271	P024 LLZ	75	L-022	L-023	100.0	PVC	110.0	0.507	0.064	0.104	LLZ
276	P025 LLZ	126	L-030	L-031	100.0	PVC	110.0	0.191	0.024	0.017	LLZ
283	P026 LLZ	54	L-023	L-024	100.0	PVC	110.0	0.774	0.099	0.227	LLZ
286	P027 LLZ	124	L-042	L-044	100.0	PVC	110.0	0.169	0.022	0.014	LLZ
293	P028 LLZ	143	L-002	L-045	250.0	PVC	120.0	17.282	0.352	0.702	LLZ
318	P029 LLZ	127	L-004	L-009	100.0	PVC	110.0	2.936	0.374	2.682	LLZ
319	P030 LLZ	215	L-009	L-010	100.0	PVC	110.0	1.546	0.197	0.818	LLZ
323	P031 LLZ	271	L-009	L-012	100.0	PVC	110.0	1.031	0.131	0.386	LLZ
327	P032 LLZ	106	L-035	L-036	100.0	PVC	110.0	1.016	0.129	0.376	LLZ
342	P033 LLZ	260	Round Mt	L-001	250.0	PVC	120.0	27.832	0.567	1.696	LLZ
344	P034 LLZ	89	L-001	L-002	250.0	PVC	120.0	27.832	0.567	1.696	LLZ

Greenbank (Everleigh) Water Supply Network Model
Peak Hour LLZ (Ultimate) Pipes and Nodes Flex Tables (Includes Irrigation Demands)
Pipe Table - Time: 19.00 hours

ID	Label	Length (Scaled) (m)	Start Node	Stop Node	Diameter (mm)	Material	Hazen-Williams C	Flow (L/s)	Velocity (m/s)	Headloss Gradient (m/km)	Zone
345	P035 LLZ	74	L-002	L-003	150.0	PVC	110.0	8.741	0.495	2.808	LLZ
346	P036 LLZ	37	L-002	L-034	100.0	PVC	110.0	1.809	0.230	1.094	LLZ
348	P037 LLZ	151	L-045	L-041	250.0	PVC	120.0	15.419	0.314	0.568	LLZ
349	P038 LLZ	118	L-041	L-013	250.0	PVC	120.0	15.117	0.308	0.548	LLZ
357	P039 LLZ	163	L-ECO-002	L-ECO-003	100.0	PVC	110.0	0.146	0.019	0.010	LLZ
359	P040 LLZ	191	L-ECO-003	L-ECO-004	100.0	PVC	110.0	-0.345	0.044	0.051	LLZ
538	P041 LLZ	255	L-013	L-046	250.0	PVC	120.0	9.137	0.186	0.216	LLZ
539	P042 LLZ	215	L-046	L-014	200.0	PVC	120.0	9.137	0.291	0.639	LLZ
541	P043 LLZ	225	I-SPORT & REC PARK	L-046	200.0	PVC	120.0	0.000	0.000	0.000	LLZ
704	P044 LLZ	56	B-068	B-067	150.0	PVC	110.0	-3.042	0.172	0.398	LLZ
706	P045 LLZ	70	B-068	B-078	100.0	PVC	110.0	1.608	0.205	0.880	LLZ
708	P046 LLZ	163	B-078	B-070	100.0	PVC	110.0	0.596	0.076	0.140	LLZ
710	P047 LLZ	193	B-075	B-069	100.0	PVC	110.0	-0.272	0.035	0.033	LLZ
712	P048 LLZ	69	B-070	B-069	100.0	PVC	110.0	-0.236	0.030	0.025	LLZ
714	P049 LLZ	75	B-070	B-072	100.0	PVC	110.0	0.379	0.048	0.061	LLZ
717	P050 LLZ	183	B-071	B-078	100.0	PVC	110.0	-0.616	0.078	0.149	LLZ
719	P051 LLZ	74	B-072	B-073	100.0	PVC	110.0	0.258	0.033	0.030	LLZ
723	P052 LLZ	68	B-073	B-076	100.0	PVC	110.0	0.044	0.006	0.001	LLZ
725	P053 LLZ	129	L-024	L-047	100.0	PVC	110.0	-0.316	0.040	0.043	LLZ
728	P054 LLZ	68	B-076	B-075	100.0	PVC	110.0	-0.272	0.035	0.033	LLZ
730	P055 LLZ	195	B-073	B-074	100.0	PVC	110.0	-0.295	0.038	0.038	LLZ
837	P056 LLZ	88	L-007	L-ECO-001	100.0	PVC	110.0	1.619	0.206	0.891	LLZ
855	P057 LLZ	49	L-020	L-1000	100.0	PVC	110.0	1.609	0.205	0.881	LLZ
856	P058 LLZ	74	L-1000	L-021	100.0	PVC	110.0	0.757	0.096	0.218	LLZ
859	P059 LLZ	96	L-1005	L-042	100.0	PVC	110.0	0.681	0.087	0.179	LLZ
860	P060 LLZ	292	L-1000	L-1005	100.0	PVC	110.0	0.701	0.089	0.189	LLZ
866	P061 LLZ	102	L-021	L-1010	100.0	PVC	110.0	0.886	0.113	0.292	LLZ
869	P062 LLZ	82	L-024	J-269	100.0	PVC	110.0	0.638	0.081	0.159	LLZ
871	P063 LLZ	174	L-1010	J-269	100.0	PVC	110.0	0.012	0.002	0.000	LLZ
873	P064 LLZ	68	L-1010	L-1015	100.0	PVC	110.0	0.571	0.073	0.129	LLZ
874	P065 LLZ	58	L-1015	L-1005	100.0	PVC	110.0	0.131	0.017	0.008	LLZ
876	P066 LLZ	76	J-269	L-1020	100.0	PVC	110.0	0.650	0.083	0.164	LLZ
877	P067 LLZ	151	L-1020	L-044	100.0	PVC	110.0	0.505	0.064	0.103	LLZ

Greenbank (Everleigh) Water Supply Network Model
Peak Hour LLZ (Ultimate) Pipes and Nodes Flex Tables (Includes Irrigation Demands)
Pipe Table - Time: 19.00 hours

ID	Label	Length (Scaled) (m)	Start Node	Stop Node	Diameter (mm)	Material	Hazen-Williams C	Flow (L/s)	Velocity (m/s)	Headloss Gradient (m/km)	Zone
878	P068 LLZ	133	L-1015	L-1020	100.0	PVC	110.0	0.252	0.032	0.028	LLZ
880	P069 LLZ	75	L-042	J-272	100.0	PVC	110.0	0.512	0.065	0.105	LLZ
884	P070 LLZ	76	J-273	L-044	100.0	PVC	110.0	-0.447	0.057	0.082	LLZ
885	P071 LLZ	127	J-272	J-273	100.0	PVC	110.0	0.031	0.004	0.001	LLZ
887	P072 LLZ	76	J-272	J-274	100.0	PVC	110.0	0.481	0.061	0.094	LLZ
891	P073 LLZ	76	J-275	J-273	100.0	PVC	110.0	-0.478	0.061	0.093	LLZ
892	P074 LLZ	127	J-274	J-275	100.0	PVC	110.0	0.008	0.001	0.000	LLZ
894	P075 LLZ	75	J-274	J-276	100.0	PVC	110.0	0.473	0.060	0.091	LLZ
895	P076 LLZ	141	J-276	L-043	100.0	PVC	110.0	0.416	0.053	0.072	LLZ
897	P077 LLZ	84	L-043	J-277	100.0	PVC	110.0	-0.543	0.069	0.118	LLZ
898	P078 LLZ	74	J-277	J-275	100.0	PVC	110.0	-0.486	0.062	0.096	LLZ
899	P079 LLZ	123	J-276	J-277	100.0	PVC	110.0	0.057	0.007	0.002	LLZ
901	P080 LLZ	64	L-018	L-1025	150.0	PVC	110.0	4.447	0.252	0.803	LLZ
902	P081 LLZ	230	L-1025	L-026	100.0	PVC	110.0	1.886	0.240	1.182	LLZ
905	P082 LLZ	67	L-1030	L-019	100.0	PVC	110.0	0.305	0.039	0.040	LLZ
908	P083 LLZ	256	L-018	L-1085	100.0	PVC	110.0	1.532	0.195	0.805	LLZ
909	P084 LLZ	224	L-1085	L-019	100.0	PVC	110.0	1.217	0.155	0.525	LLZ
911	P085 LLZ	198	L-1025	L-1035	100.0	PVC	110.0	1.522	0.194	0.795	LLZ
912	P086 LLZ	160	L-1035	L-1030	100.0	PVC	110.0	1.422	0.181	0.701	LLZ
913	P087 LLZ	67	L-1085	L-1035	100.0	PVC	110.0	0.315	0.040	0.043	LLZ
915	P088 LLZ	76	L-026	L-1080	100.0	PVC	110.0	0.529	0.067	0.112	LLZ
916	P089 LLZ	81	L-1080	L-1030	100.0	PVC	110.0	-0.608	0.077	0.145	LLZ
918	P090 LLZ	110	L-028	L-027a	100.0	PVC	110.0	-1.127	0.143	0.455	LLZ
919	P091 LLZ	76	L-027a	L-027	100.0	PVC	110.0	-0.917	0.117	0.311	LLZ
922	P092 LLZ	93	L-1080	L-1040	100.0	PVC	110.0	1.137	0.145	0.463	LLZ
923	P093 LLZ	78	L-1040	L-027a	100.0	PVC	110.0	0.399	0.051	0.067	LLZ
925	P094 LLZ	75	L-019	L-1045	100.0	PVC	110.0	1.522	0.194	0.794	LLZ
926	P095 LLZ	67	L-1045	L-020	100.0	PVC	110.0	1.504	0.192	0.777	LLZ
927	P096 LLZ	202	L-1040	L-1045	100.0	PVC	110.0	0.303	0.039	0.040	LLZ
929	P097 LLZ	85	L-031	L-1050	100.0	PVC	110.0	0.741	0.094	0.210	LLZ
930	P098 LLZ	76	L-1050	L-022	100.0	PVC	110.0	0.956	0.122	0.336	LLZ
932	P099 LLZ	86	L-030	L-1055	100.0	PVC	110.0	0.580	0.074	0.133	LLZ
933	P100 LLZ	79	L-1055	L-033	100.0	PVC	110.0	-0.069	0.009	0.003	LLZ
934	P101 LLZ	116	L-1050	L-1055	100.0	PVC	110.0	-0.422	0.054	0.074	LLZ

Greenbank (Everleigh) Water Supply Network Model
Peak Hour LLZ (Ultimate) Pipes and Nodes Flex Tables (Includes Irrigation Demands)
Pipe Table - Time: 19.00 hours

ID	Label	Length (Scaled) (m)	Start Node	Stop Node	Diameter (mm)	Material	Hazen-Williams C	Flow (L/s)	Velocity (m/s)	Headloss Gradient (m/km)	Zone
936	P102 LLZ	96	L-032	J-288	100.0	PVC	110.0	1.215	0.155	0.524	LLZ
937	P103 LLZ	66	J-288	L-033	100.0	PVC	110.0	1.237	0.157	0.541	LLZ
939	P104 LLZ	86	L-029	L-1060	100.0	PVC	110.0	1.284	0.163	0.580	LLZ
940	P105 LLZ	68	L-1060	L-030	100.0	PVC	110.0	0.998	0.127	0.363	LLZ
941	P106 LLZ	155	J-288	L-1060	100.0	PVC	110.0	-0.022	0.003	0.000	LLZ
943	P107 LLZ	66	L-026	L-1065	100.0	PVC	110.0	1.073	0.137	0.416	LLZ
946	P108 LLZ	105	L-1065	J-291	100.0	PVC	110.0	0.361	0.046	0.055	LLZ
947	P109 LLZ	66	J-291	L-027	100.0	PVC	110.0	-0.041	0.005	0.001	LLZ
965	P110 LLZ	83	B-068a	B-068	100.0	PVC	110.0	-1.094	0.139	0.431	LLZ
967	P111 LLZ	38	B-069	B-068b	100.0	PVC	110.0	-1.094	0.139	0.431	LLZ
968	P112 LLZ	71	B-068b	B-068a	100.0	PVC	110.0	-1.094	0.139	0.431	LLZ
970	P113 LLZ	113	B-072	B-071a	100.0	PVC	110.0	0.121	0.015	0.007	LLZ
971	P114 LLZ	131	B-071a	B-071	100.0	PVC	110.0	-0.125	0.016	0.008	LLZ
989	P115 LLZ	142	L-007	L-008a	100.0	PVC	110.0	-0.164	0.021	0.013	LLZ
990	P116 LLZ	231	L-008a	L-008	100.0	PVC	110.0	-1.752	0.223	1.031	LLZ
999	P117 LLZ	179	L-037	L-035a	100.0	PVC	110.0	-0.957	0.122	0.337	LLZ
1000	P118 LLZ	184	L-035a	L-035	100.0	PVC	110.0	0.509	0.065	0.105	LLZ
1001	P119 LLZ	80	L-035a	L-045	100.0	PVC	110.0	-1.467	0.187	0.742	LLZ
1032	P120 LLZ	65	L-014	T-1010	200.0	PVC	120.0	5.926	0.189	0.287	LLZ
1033	P121 LLZ	136	T-1010	L-015	150.0	PVC	110.0	5.845	0.331	1.333	LLZ
1039	P122 LLZ	314	T-1005	T-1010	200.0	PVC	120.0	-0.081	0.003	0.000	LLZ
1040	P123 LLZ	31	T-1005	L-SPORT & REC CLUBHOUSE	150.0	PVC	110.0	0.081	0.005	0.001	LLZ
1154	P124 LLZ	125	L-005	L-007	100.0	PVC	110.0	2.430	0.309	1.890	LLZ
1157	P125 LLZ	155	L-010	L-010a	100.0	PVC	110.0	-0.041	0.005	0.001	LLZ
1158	P126 LLZ	95	L-010a	L-012	100.0	PVC	110.0	-1.477	0.188	0.752	LLZ
1161	P127 LLZ	117	L-010a	L-ECO-005	100.0	PVC	110.0	0.400	0.051	0.067	LLZ
1162	P128 LLZ	171	L-ECO-005	L-ECO-004	100.0	PVC	110.0	0.723	0.092	0.200	LLZ
1163	P129 LLZ	109	L-ECO-001	L-ECO-005	100.0	PVC	110.0	0.682	0.087	0.180	LLZ
1167	P130 LLZ	272	L-ECO-006	L-ECO-002	100.0	PVC	110.0	0.498	0.063	0.100	LLZ
1169	P131 LLZ	259	L-ECO-001	L-ECO_007	100.0	PVC	110.0	0.578	0.074	0.132	LLZ
1170	P132 LLZ	238	L-ECO_007	L-ECO-002	100.0	PVC	110.0	0.536	0.068	0.115	LLZ
1171	P133 LLZ	74	L-ECO-006	L-ECO_007	100.0	PVC	110.0	-0.043	0.005	0.001	LLZ

Greenbank (Everleigh) Water Supply Network Model
Peak Hour LLZ (Ultimate) Pipes and Nodes Flex Tables (Includes Irrigation Demands)
Pipe Table - Time: 19.00 hours

ID	Label	Length (Scaled) (m)	Start Node	Stop Node	Diameter (mm)	Material	Hazen-Williams C	Flow (L/s)	Velocity (m/s)	Headloss Gradient (m/km)	Zone
1173	P134 LLZ	149	L-008a	L-ECO-008	100.0	PVC	110.0	1.267	0.161	0.566	LLZ
1174	P135 LLZ	113	L-ECO-008	L-ECO-006	100.0	PVC	110.0	0.852	0.108	0.271	LLZ
1192	P136 LLZ	154	L-034	L-034a	100.0	PVC	110.0	1.413	0.180	0.692	LLZ
1193	P137 LLZ	70	L-034a	L-035	100.0	PVC	110.0	1.129	0.144	0.457	LLZ
1195	P138 LLZ	262	L-038	L-040a	100.0	PVC	110.0	0.318	0.040	0.044	LLZ
1196	P139 LLZ	182	L-040a	L-040	100.0	PVC	110.0	-0.079	0.010	0.003	LLZ
1198	P140 LLZ	183	L-1065	L-1075	100.0	PVC	110.0	0.485	0.062	0.096	LLZ
1199	P141 LLZ	172	L-1075	J-291	100.0	PVC	110.0	-0.402	0.051	0.068	LLZ
1200	P142 LLZ	25	L-017	B-067	150.0	PVC	110.0	3.042	0.172	0.397	LLZ
1201	P143 LLZ	32	B-076	L-047	100.0	PVC	110.0	0.316	0.040	0.043	LLZ
1204	P144 LLZ	127	L-033	B-074	100.0	PVC	110.0	0.922	0.117	0.314	LLZ
1205	P145 LLZ	67	B-074	L-023	100.0	PVC	110.0	0.268	0.034	0.032	LLZ
1247	P146 LLZ	249	L-010	L-1090	100.0	PVC	110.0	1.038	0.132	0.392	LLZ
1248	P147 LLZ	250	L-1090	L-010a	100.0	PVC	110.0	-1.037	0.132	0.390	LLZ
991	P296 HLZ	92	B-012	B-002	100.0	PVC	110.0	1.360	0.173	0.645	HLZ
785	P364 LLZ IRRIG	19	L-041	I-07	100.0	PVC	110.0	0.000	0.000	0.000	LLZ Irrigation
798	P366 LLZ IRRIG	15	L-SCHOOL	I-SCHOOL	100.0	PVC	110.0	0.000	0.000	0.000	LLZ Irrigation

Greenbank (Everleigh) Water Supply Network Model
Fire Fighting Report (Ultimate) All Nodes HLZ
Fire Flow Report - Time: 0.00 hours

Label	Fire Flow (Needed) (L/s)	Fire Flow (Available) (L/s)	Flow (Total Needed) (L/s)	Flow (Total Available) (L/s)	Pressure (Residual Lower Limit) (m H2O)	Pressure (Calculated Residual) (m H2O)	Pressure (Calculated Zone Lower Limit) (m H2O)	Pressure (System Lower Limit) (m H2O)	Pressure (Calculated System Lower Limit) (m H2O)	Junction w/ Minimum Pressure (System)
B-058	15.000	30.000	15.205	30.205	12.0	31.4	14.7	0.0	14.7	S-016
B-043	15.000	30.000	15.000	30.000	12.0	36.9	16.8	0.0	16.8	S-016
B-003	15.000	18.409	15.000	18.409	12.0	29.1	18.7	0.0	18.7	S-016
S-005	15.000	28.263	15.460	28.722	12.0	16.1	12.0	0.0	12.0	S-016
S-001	15.000	30.000	15.341	30.341	12.0	16.0	12.7	0.0	12.7	S-016
B-041	15.000	30.000	15.000	30.000	12.0	37.3	17.9	0.0	17.9	S-016
B-026	15.000	30.000	15.000	30.000	12.0	46.5	17.9	0.0	17.9	S-016
B-023	15.000	30.000	15.392	30.392	12.0	43.7	17.9	0.0	17.9	S-016
S-055	15.000	30.000	15.000	30.000	12.0	14.8	13.2	0.0	13.2	S-016
S-015	15.000	22.418	15.443	22.860	12.0	12.0	12.5	0.0	12.5	S-016
B-016	15.000	30.000	15.205	30.205	12.0	30.3	17.9	0.0	17.9	S-016
B-066	15.000	19.635	15.000	19.635	12.0	30.4	16.5	0.0	16.5	S-016
S-006	15.000	27.681	15.000	27.681	12.0	16.5	12.0	0.0	12.0	S-016
S-027	15.000	27.491	15.170	27.662	12.0	25.4	12.0	0.0	12.0	S-016
S-016	15.000	16.247	15.637	16.885	12.0	12.0	15.3	0.0	15.3	S-015
S-009	15.000	26.529	15.289	26.818	12.0	16.9	12.0	0.0	12.0	S-016
S-007	15.000	26.617	15.000	26.617	12.0	16.3	12.0	0.0	12.0	S-016
S-014	15.000	25.457	15.273	25.729	12.0	13.0	12.0	0.0	12.0	S-015
S-020	15.000	23.582	15.000	23.582	12.0	12.0	12.1	0.0	12.1	S-016
S-017	15.000	20.375	15.357	20.732	12.0	18.5	12.0	0.0	12.0	S-016
S-018	15.000	22.995	15.273	23.268	12.0	14.0	12.0	0.0	12.0	S-016
S-012	15.000	27.468	15.205	27.672	12.0	21.0	12.0	0.0	12.0	S-016
S-026	15.000	27.569	15.000	27.569	12.0	27.4	12.0	0.0	12.0	S-016
S-010	15.000	27.126	15.392	27.517	12.0	18.2	12.0	0.0	12.0	S-016
S-022	15.000	27.613	15.000	27.613	12.0	25.7	12.0	0.0	12.0	S-016
S-008	15.000	26.681	15.000	26.681	12.0	16.4	12.0	0.0	12.0	S-016
S-034	15.000	27.247	15.306	27.553	12.0	23.7	12.0	0.0	12.0	S-016
S-011	15.000	27.354	15.443	27.797	12.0	19.2	12.0	0.0	12.0	S-016
S-024	15.000	27.631	15.273	27.904	12.0	25.7	12.0	0.0	12.0	S-016
S-035	15.000	27.530	15.341	27.871	12.0	25.1	12.0	0.0	12.0	S-016
S-036	15.000	27.526	15.375	27.900	12.0	27.6	12.0	0.0	12.0	S-016
S-004	15.000	30.000	15.000	30.000	12.0	16.2	12.1	0.0	12.1	S-016

Greenbank (Everleigh) Water Supply Network Model
Fire Fighting Report (Ultimate) All Nodes HLZ
Fire Flow Report - Time: 0.00 hours

Label	Fire Flow (Needed) (L/s)	Fire Flow (Available) (L/s)	Flow (Total Needed) (L/s)	Flow (Total Available) (L/s)	Pressure (Residual Lower Limit) (m H2O)	Pressure (Calculated Residual) (m H2O)	Pressure (Calculated Zone Lower Limit) (m H2O)	Pressure (System Lower Limit) (m H2O)	Pressure (Calculated System Lower Limit) (m H2O)	Junction w/ Minimum Pressure (System)
S-021	15.000	27.657	15.170	27.827	12.0	23.3	12.0	0.0	12.0	S-016
S-023	15.000	27.618	15.000	27.618	12.0	25.4	12.0	0.0	12.0	S-016
S-028	15.000	27.477	15.000	27.477	12.0	25.3	12.0	0.0	12.0	S-016
S-025	15.000	27.590	15.000	27.590	12.0	27.2	12.0	0.0	12.0	S-016
S-043	15.000	27.664	15.273	27.937	12.0	24.8	12.0	0.0	12.0	S-016
S-029	15.000	26.867	15.306	27.173	12.0	22.6	12.2	0.0	12.2	S-016
S-045	15.000	26.751	15.341	27.092	12.0	17.0	12.2	0.0	12.2	S-016
S-046	15.000	19.635	15.000	19.635	12.0	16.7	14.7	0.0	14.7	S-016
S-032	15.000	27.406	15.000	27.406	12.0	15.1	12.0	0.0	12.0	S-016
S-033	15.000	24.365	15.494	24.859	12.0	18.1	13.1	0.0	13.1	S-016
S-040	15.000	23.364	15.375	23.739	12.0	12.1	13.5	0.0	13.5	S-016
S-031	15.000	27.404	15.000	27.404	12.0	16.5	12.0	0.0	12.0	S-016
S-030	15.000	27.382	15.000	27.382	12.0	21.2	12.0	0.0	12.0	S-016
S-038	15.000	27.255	15.476	27.731	12.0	23.9	12.0	0.0	12.0	S-016
S-013	15.000	27.449	15.273	27.722	12.0	23.3	12.0	0.0	12.0	S-016
S-042	15.000	28.011	15.221	28.232	12.0	21.3	12.0	0.0	12.0	S-016
S-002	15.000	28.594	15.664	29.258	12.0	19.9	12.0	0.0	12.0	S-016
S-003	15.000	19.294	15.341	19.635	12.0	21.4	15.0	0.0	15.0	S-016
S-047	15.000	27.382	15.357	27.739	12.0	12.2	12.0	0.0	12.0	S-016
S-048	15.000	19.635	15.000	19.635	12.0	22.7	14.7	0.0	14.7	S-016
S-044	15.000	27.560	15.357	27.918	12.0	21.4	12.0	0.0	12.0	S-016
S-019	15.000	24.745	15.119	24.864	12.0	12.0	12.0	0.0	12.0	S-016
S-049	15.000	22.203	15.000	22.203	12.0	13.5	12.0	0.0	12.0	S-050
S-051	15.000	21.588	15.000	21.588	12.0	16.3	12.0	0.0	12.0	S-050
S-037	15.000	27.231	15.000	27.231	12.0	24.6	12.0	0.0	12.0	S-016
S-054	15.000	26.944	15.273	27.217	12.0	12.8	12.0	0.0	12.0	S-040
S-039	15.000	25.743	15.000	25.743	12.0	12.6	12.0	0.0	12.0	S-040
S-041	15.000	26.669	15.000	26.669	12.0	12.4	12.1	0.0	12.1	S-040
S-052	15.000	24.723	15.000	24.723	12.0	12.1	12.0	0.0	12.0	S-016
B-002	15.000	18.409	15.392	18.801	12.0	35.5	18.7	0.0	18.7	S-016
B-009	15.000	18.409	15.324	18.733	12.0	23.1	18.7	0.0	18.7	S-016
B-010	15.000	18.409	15.000	18.409	12.0	25.2	18.7	0.0	18.7	S-016

Greenbank (Everleigh) Water Supply Network Model
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Fire Flow Report - Time: 0.00 hours

Label	Fire Flow (Needed) (L/s)	Fire Flow (Available) (L/s)	Flow (Total Needed) (L/s)	Flow (Total Available) (L/s)	Pressure (Residual Lower Limit) (m H2O)	Pressure (Calculated Residual) (m H2O)	Pressure (Calculated Zone Lower Limit) (m H2O)	Pressure (System Lower Limit) (m H2O)	Pressure (Calculated System Lower Limit) (m H2O)	Junction w/ Minimum Pressure (System)
B-004	15.000	18.409	15.000	18.409	12.0	27.3	18.7	0.0	18.7	S-016
B-006	15.000	18.409	15.221	18.630	12.0	20.0	18.7	0.0	18.7	S-016
B-007	15.000	18.409	15.000	18.409	12.0	18.1	17.6	0.0	17.6	B-008
B-011	15.000	18.409	15.289	18.698	12.0	16.3	18.6	0.0	18.6	B-008
B-008	15.000	17.850	15.000	17.850	12.0	12.0	18.7	0.0	18.7	S-016
B-012	15.000	30.000	15.205	30.205	12.0	36.5	17.9	0.0	17.9	S-016
B-014	15.000	30.000	15.256	30.256	12.0	24.4	17.9	0.0	17.9	S-016
B-015	15.000	30.000	15.426	30.426	12.0	15.4	17.9	0.0	17.9	S-016
B-013	15.000	30.000	15.273	30.273	12.0	33.1	17.9	0.0	17.9	S-016
B-017	15.000	30.000	15.460	30.460	12.0	19.9	17.9	0.0	17.9	S-016
B-019	15.000	30.000	15.528	30.528	12.0	26.5	17.9	0.0	17.9	S-016
B-018	15.000	30.000	15.238	30.238	12.0	26.5	17.9	0.0	17.9	S-016
B-024	15.000	30.000	15.392	30.392	12.0	35.5	17.9	0.0	17.9	S-016
B-021	15.000	30.000	15.221	30.221	12.0	38.4	17.9	0.0	17.9	S-016
B-025	15.000	30.000	15.476	30.476	12.0	45.1	17.9	0.0	17.9	S-016
B-036	15.000	30.000	15.000	30.000	12.0	33.1	17.9	0.0	17.9	S-016
B-022	15.000	30.000	15.000	30.000	12.0	41.5	17.9	0.0	17.9	S-016
B-030	15.000	30.000	15.426	30.426	12.0	38.2	17.9	0.0	17.9	S-016
B-028	15.000	30.000	15.000	30.000	12.0	37.3	17.9	0.0	17.9	S-016
B-031	15.000	30.000	15.000	30.000	12.0	36.0	17.9	0.0	17.9	S-016
B-029	15.000	30.000	15.000	30.000	12.0	36.6	17.9	0.0	17.9	S-016
B-038	15.000	30.000	15.408	30.408	12.0	28.4	17.9	0.0	17.9	S-016
B-037	15.000	30.000	15.460	30.460	12.0	35.4	17.9	0.0	17.9	S-016
B-032	15.000	30.000	15.324	30.324	12.0	34.0	17.9	0.0	17.9	S-016
B-039	15.000	30.000	15.238	30.238	12.0	26.3	17.9	0.0	17.9	S-016
B-044	15.000	30.000	15.000	30.000	12.0	33.8	16.6	0.0	16.6	S-016
B-045	15.000	30.000	15.392	30.392	12.0	20.2	16.5	0.0	16.5	S-016
B-049	15.000	30.000	15.613	30.613	12.0	15.1	13.1	0.0	13.1	B-049a
B-048	15.000	30.000	15.000	30.000	12.0	26.8	15.1	0.0	15.1	B-080
B-047	15.000	30.000	15.357	30.357	12.0	30.0	15.9	0.0	15.9	B-080
B-046	15.000	30.000	15.273	30.273	12.0	32.3	16.0	0.0	16.0	S-016
B-050	15.000	30.000	15.408	30.408	12.0	21.6	13.6	0.0	13.6	B-080

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B-052	15.000	30.000	15.205	30.205	12.0	19.3	13.4	0.0	13.4	B-080
B-053	15.000	22.159	15.494	22.652	12.0	12.0	12.8	0.0	12.8	B-080
B-054	15.000	20.142	15.205	20.347	12.0	12.0	15.2	0.0	15.2	B-053
B-051	15.000	30.000	15.357	30.357	12.0	26.3	15.2	0.0	15.2	S-016
B-064	15.000	30.000	15.562	30.562	12.0	21.1	14.2	0.0	14.2	S-016
B-061	15.000	30.000	15.289	30.289	12.0	23.8	14.0	0.0	14.0	S-016
B-062	15.000	30.000	15.238	30.238	12.0	31.4	14.3	0.0	14.3	S-016
B-063	15.000	30.000	15.000	30.000	12.0	21.9	14.3	0.0	14.3	S-016
B-059	15.000	30.000	15.528	30.528	12.0	25.2	14.4	0.0	14.4	S-016
B-060	15.000	30.000	15.000	30.000	12.0	20.7	13.7	0.0	13.7	S-016
B-055	15.000	30.000	15.000	30.000	12.0	37.2	16.4	0.0	16.4	S-016
B-057	15.000	30.000	15.375	30.375	12.0	21.4	15.9	0.0	15.9	S-016
B-056	15.000	30.000	15.221	30.221	12.0	34.0	15.6	0.0	15.6	S-016
B-065	15.000	30.000	15.000	30.000	12.0	23.2	14.3	0.0	14.3	S-016
B-042	15.000	30.000	15.000	30.000	12.0	32.3	18.6	0.0	18.6	S-016
B-035	15.000	30.000	15.000	30.000	12.0	38.0	17.9	0.0	17.9	S-016
I-02	15.000	(N/A)	(N/A)	(N/A)	12.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
B-040	15.000	30.000	15.000	30.000	12.0	22.6	17.9	0.0	17.9	S-016
B-034	15.000	30.000	15.000	30.000	12.0	39.8	17.9	0.0	17.9	S-016
I-04	15.000	(N/A)	(N/A)	(N/A)	12.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
B-033	15.000	30.000	15.000	30.000	12.0	43.7	17.9	0.0	17.9	S-016
I-05	15.000	(N/A)	(N/A)	(N/A)	12.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
B-027	15.000	30.000	15.494	30.494	12.0	40.1	17.9	0.0	17.9	S-016
B-005	15.000	18.409	15.000	18.409	12.0	21.8	18.7	0.0	18.7	S-016
S-053	15.000	27.456	15.000	27.456	12.0	13.0	12.0	0.0	12.0	S-016
S- NEIGHBOURH OOD CENTRE	30.000	33.929	31.148	35.076	12.0	15.5	12.0	0.0	12.0	S-016
B-077	15.000	30.000	15.000	30.000	12.0	26.1	14.6	0.0	14.6	S-016
B-079	15.000	30.000	15.000	30.000	12.0	28.7	19.5	0.0	19.5	S-016
B-080	15.000	20.123	15.238	20.361	12.0	12.0	14.4	0.0	14.4	B-053
B-081	15.000	29.463	15.306	29.770	12.0	15.9	12.2	0.0	12.2	B-053

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B-082	15.000	22.803	15.221	23.024	12.0	13.4	12.0	0.0	12.0	B-080
S-044a	15.000	27.537	15.375	27.912	12.0	18.4	12.0	0.0	12.0	S-016
S-004a	15.000	19.499	15.136	19.635	12.0	17.5	15.0	0.0	15.0	S-016
B-058a	15.000	30.000	15.273	30.273	12.0	33.1	14.5	0.0	14.5	S-016
B-055b	15.000	30.000	15.221	30.221	12.0	18.0	16.1	0.0	16.1	S-016
B-018a	15.000	24.832	15.289	25.121	12.0	21.7	18.2	0.0	18.2	S-016
T-1001	0.000	(N/A)	(N/A)	(N/A)	0.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
B-064a	0.000	(N/A)	(N/A)	(N/A)	0.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
S-027a	0.000	(N/A)	(N/A)	(N/A)	0.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
S-008a	0.000	(N/A)	(N/A)	(N/A)	0.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
B-036a	0.000	(N/A)	(N/A)	(N/A)	0.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
B-039a	0.000	(N/A)	(N/A)	(N/A)	0.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
B-038a	0.000	(N/A)	(N/A)	(N/A)	0.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
B-031a	0.000	(N/A)	(N/A)	(N/A)	0.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
B-028a	0.000	(N/A)	(N/A)	(N/A)	0.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
B-031b	0.000	(N/A)	(N/A)	(N/A)	0.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
B-030a	0.000	(N/A)	(N/A)	(N/A)	0.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
B-025a	0.000	(N/A)	(N/A)	(N/A)	0.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
B-023a	0.000	(N/A)	(N/A)	(N/A)	0.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
B-023b	0.000	(N/A)	(N/A)	(N/A)	0.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
B-049a	0.000	(N/A)	(N/A)	(N/A)	0.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
B-045a	0.000	(N/A)	(N/A)	(N/A)	0.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
B-055a	0.000	(N/A)	(N/A)	(N/A)	0.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
B-014a	0.000	(N/A)	(N/A)	(N/A)	0.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
B-016a	0.000	(N/A)	(N/A)	(N/A)	0.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
S-100	0.000	(N/A)	(N/A)	(N/A)	0.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
S-105	0.000	(N/A)	(N/A)	(N/A)	0.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
S-110	0.000	(N/A)	(N/A)	(N/A)	0.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
S-115	0.000	(N/A)	(N/A)	(N/A)	0.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
S-120	0.000	(N/A)	(N/A)	(N/A)	0.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)

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L-002	15.000	30.000	15.000	30.000	12.0	41.0	33.7	0.0	19.7	S-016
L-013	15.000	30.000	15.000	30.000	12.0	43.5	33.5	0.0	19.7	S-016
B-067	15.000	30.000	15.000	30.000	12.0	29.9	19.7	0.0	19.7	S-016
L-005	15.000	30.000	15.000	30.000	12.0	24.5	27.6	0.0	19.7	S-016
L-020	15.000	30.000	15.238	30.238	12.0	40.7	30.0	0.0	19.7	S-016
L-021	15.000	30.000	15.289	30.289	12.0	35.1	28.3	0.0	19.7	S-016
B-075	15.000	30.000	15.000	30.000	12.0	18.2	19.7	0.0	19.7	S-016
L-042	15.000	30.000	15.000	30.000	12.0	18.5	17.6	0.0	17.6	L-043
L-016	15.000	30.000	15.000	30.000	12.0	35.9	31.4	0.0	19.7	S-016
L-SCHOOL	30.000	41.871	32.308	44.179	12.0	30.7	27.6	0.0	19.7	S-016
L-017	15.000	30.000	15.000	30.000	12.0	31.6	30.3	0.0	19.7	S-016
L-006	15.000	30.000	15.238	30.238	12.0	24.2	25.7	0.0	19.7	S-016
L-007	15.000	30.000	15.136	30.136	12.0	27.4	25.7	0.0	19.7	S-016
L-004	15.000	30.000	15.443	30.443	12.0	26.9	29.0	0.0	19.7	S-016
L-010	15.000	30.000	15.494	30.494	12.0	25.4	24.3	0.0	19.7	S-016
L-008	15.000	30.000	15.476	30.476	12.0	30.1	26.7	0.0	19.7	S-016
L-003	15.000	30.000	15.306	30.306	12.0	34.4	31.2	0.0	19.7	S-016
L-009	15.000	30.000	15.324	30.324	12.0	22.2	27.3	0.0	19.7	S-016
L-012	15.000	30.000	15.341	30.341	12.0	23.7	25.3	0.0	19.7	S-016
L-036	15.000	29.177	15.000	29.177	12.0	21.2	19.6	0.0	19.6	L-038
L-038	15.000	28.945	15.562	29.506	12.0	15.3	22.1	0.0	19.7	S-016
L-040	15.000	28.920	15.324	29.244	12.0	16.3	16.7	0.0	16.7	L-038
L-039	15.000	28.884	15.187	29.071	12.0	24.9	17.6	0.0	17.6	L-038
L-037	15.000	28.614	15.349	28.963	12.0	26.8	20.6	0.0	19.7	S-016
L-018	15.000	30.000	15.000	30.000	12.0	43.0	33.5	0.0	19.7	S-016
L-026	15.000	30.000	15.256	30.256	12.0	35.7	32.2	0.0	19.7	S-016
L-019	15.000	30.000	15.000	30.000	12.0	43.3	31.8	0.0	19.7	S-016
L-027	15.000	30.000	15.273	30.273	12.0	38.0	31.9	0.0	19.7	S-016
L-015	15.000	30.000	15.000	30.000	12.0	36.2	31.6	0.0	19.7	S-016
L-032	15.000	30.000	15.562	30.562	12.0	33.1	31.5	0.0	19.7	S-016
L-033	15.000	30.000	15.221	30.221	12.0	29.8	30.3	0.0	19.7	S-016
L-023	15.000	30.000	15.000	30.000	12.0	30.3	28.9	0.0	19.7	S-016

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Fire Fighting Report (Ultimate) All Nodes LLZ
Fire Flow Report - Time: 0.00 hours

Label	Fire Flow (Needed) (L/s)	Fire Flow (Available) (L/s)	Flow (Total Needed) (L/s)	Flow (Total Available) (L/s)	Pressure (Residual Lower Limit) (m H2O)	Pressure (Calculated Residual) (m H2O)	Pressure (Calculated Zone Lower Limit) (m H2O)	Pressure (System Lower Limit) (m H2O)	Pressure (Calculated System Lower Limit) (m H2O)	Junction w/ Minimum Pressure (System)
L-025	15.000	30.000	15.289	30.289	12.0	36.7	32.2	0.0	19.7	S-016
L-029	15.000	30.000	15.289	30.289	12.0	35.0	31.5	0.0	19.7	S-016
L-028	15.000	30.000	15.000	30.000	12.0	39.6	30.5	0.0	19.7	S-016
L-031	15.000	30.000	15.187	30.187	12.0	36.3	30.3	0.0	19.7	S-016
L-022	15.000	30.000	15.000	30.000	12.0	33.7	28.9	0.0	19.7	S-016
L-030	15.000	30.000	15.205	30.205	12.0	35.3	30.5	0.0	19.7	S-016
L-043	15.000	24.408	15.865	25.273	12.0	12.0	16.3	0.0	16.3	J-276
L-044	15.000	30.000	15.205	30.205	12.0	19.0	17.4	0.0	17.4	L-043
L-024	15.000	30.000	15.408	30.408	12.0	27.4	28.2	0.0	19.7	S-016
L-045	15.000	30.000	15.357	30.357	12.0	41.5	33.5	0.0	19.7	S-016
L-SPORT & REC CLUBHOUSE	30.000	43.991	30.188	44.179	12.0	24.8	29.6	0.0	19.7	S-016
L-034	15.000	23.663	15.357	24.021	12.0	37.6	32.8	0.0	19.7	S-016
L-014	15.000	30.000	15.000	30.000	12.0	39.4	33.3	0.0	19.7	S-016
L-001	15.000	30.000	15.000	30.000	12.0	41.0	34.1	0.0	19.7	S-016
L-041	15.000	30.000	15.273	30.273	12.0	46.4	33.5	0.0	19.7	S-016
L-ECO-001	15.000	30.000	15.324	30.324	12.0	21.3	24.1	0.0	19.7	S-016
L-ECO-002	15.000	30.000	15.800	30.800	12.0	12.8	17.2	0.0	17.2	L-ECO-003
L-ECO-003	15.000	28.446	15.443	28.889	12.0	12.0	19.0	0.0	19.0	L-ECO-002
L-ECO-004	15.000	30.000	15.341	30.341	12.0	12.4	16.7	0.0	16.7	L-ECO-003
L-046	15.000	30.000	15.000	30.000	12.0	40.8	33.5	0.0	19.7	S-016
I-SPORT & REC PARK	30.000	(N/A)	(N/A)	(N/A)	12.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
B-068	15.000	30.000	15.306	30.306	12.0	27.9	19.7	0.0	19.7	S-016
B-078	15.000	30.000	15.357	30.357	12.0	25.6	19.7	0.0	19.7	S-016
B-070	15.000	30.000	15.408	30.408	12.0	22.3	19.7	0.0	19.7	S-016
B-069	15.000	30.000	15.528	30.528	12.0	20.0	19.7	0.0	19.7	S-016
B-072	15.000	30.000	15.000	30.000	12.0	20.1	19.7	0.0	19.7	S-016
B-071	15.000	30.000	15.443	30.443	12.0	16.9	19.7	0.0	19.7	S-016
B-073	15.000	30.000	15.460	30.460	12.0	22.6	19.7	0.0	19.7	S-016
B-076	15.000	30.000	15.000	30.000	12.0	23.7	19.7	0.0	19.7	S-016

Greenbank (Everleigh) Water Supply Network Model
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Label	Fire Flow (Needed) (L/s)	Fire Flow (Available) (L/s)	Flow (Total Needed) (L/s)	Flow (Total Available) (L/s)	Pressure (Residual Lower Limit) (m H2O)	Pressure (Calculated Residual) (m H2O)	Pressure (Calculated Zone Lower Limit) (m H2O)	Pressure (System Lower Limit) (m H2O)	Pressure (Calculated System Lower Limit) (m H2O)	Junction w/ Minimum Pressure (System)
L-047	15.000	30.000	15.000	30.000	12.0	24.2	29.5	0.0	19.7	S-016
B-074	15.000	30.000	15.324	30.324	12.0	29.2	19.7	0.0	19.7	S-016
I-07	15.000	(N/A)	(N/A)	(N/A)	12.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
I-SCHOOL	15.000	(N/A)	(N/A)	(N/A)	12.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
L-1000	15.000	30.000	15.136	30.136	12.0	38.2	28.5	0.0	19.7	S-016
L-1005	15.000	30.000	15.136	30.136	12.0	21.9	22.8	0.0	19.7	S-016
L-1010	15.000	30.000	15.273	30.273	12.0	27.7	25.5	0.0	19.7	S-016
J-269	15.000	30.000	15.000	30.000	12.0	25.2	25.7	0.0	19.7	S-016
L-1015	15.000	30.000	15.170	30.170	12.0	23.0	24.1	0.0	19.7	S-016
L-1020	15.000	30.000	15.357	30.357	12.0	24.0	23.3	0.0	19.7	S-016
J-272	15.000	30.000	15.000	30.000	12.0	16.1	13.8	0.0	13.8	L-043
J-273	15.000	30.000	15.000	30.000	12.0	14.9	13.7	0.0	13.7	L-043
J-274	15.000	28.675	15.000	28.675	12.0	12.3	12.1	0.0	12.1	L-043
J-275	15.000	28.655	15.000	28.655	12.0	12.7	12.0	0.0	12.0	L-043
J-276	15.000	26.671	15.000	26.671	12.0	12.0	12.2	0.0	12.2	L-043
J-277	15.000	26.528	15.000	26.528	12.0	12.3	12.1	0.0	12.1	L-043
L-1025	15.000	30.000	15.937	30.937	12.0	41.1	33.5	0.0	19.7	S-016
L-1030	15.000	30.000	15.460	30.460	12.0	40.0	32.0	0.0	19.7	S-016
L-1085	15.000	30.000	15.000	30.000	12.0	41.1	32.8	0.0	19.7	S-016
L-1035	15.000	30.000	15.375	30.375	12.0	39.1	32.7	0.0	19.7	S-016
L-1080	15.000	30.000	15.000	30.000	12.0	37.2	31.9	0.0	19.7	S-016
L-027a	15.000	30.000	15.170	30.170	12.0	38.5	31.5	0.0	19.7	S-016
L-1040	15.000	30.000	15.392	30.392	12.0	37.4	31.5	0.0	19.7	S-016
L-1045	15.000	30.000	15.289	30.289	12.0	42.2	31.1	0.0	19.7	S-016
L-1050	15.000	30.000	15.187	30.187	12.0	33.1	29.9	0.0	19.7	S-016
L-1055	15.000	30.000	15.205	30.205	12.0	32.1	30.2	0.0	19.7	S-016
J-288	15.000	30.000	15.000	30.000	12.0	31.1	30.8	0.0	19.7	S-016
L-1060	15.000	30.000	15.238	30.238	12.0	34.6	30.9	0.0	19.7	S-016
L-1065	15.000	30.000	15.205	30.205	12.0	32.2	32.0	0.0	19.7	S-016
J-291	15.000	30.000	15.000	30.000	12.0	33.8	32.0	0.0	19.7	S-016
B-068a	15.000	30.000	15.000	30.000	12.0	19.8	19.7	0.0	19.7	S-016
B-068b	15.000	30.000	15.000	30.000	12.0	18.8	19.7	0.0	19.7	S-016

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B-071a	15.000	30.000	15.221	30.221	12.0	16.7	19.7	0.0	19.7	S-016
L-008a	15.000	30.000	15.289	30.289	12.0	30.6	26.2	0.0	19.7	S-016
L-035a	15.000	(N/A)	(N/A)	(N/A)	12.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
T-1010	0.000	(N/A)	(N/A)	(N/A)	0.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
L-035	0.000	(N/A)	(N/A)	(N/A)	0.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
L-ECO-005	0.000	(N/A)	(N/A)	(N/A)	0.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
L-010a	0.000	(N/A)	(N/A)	(N/A)	0.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
L-ECO-006	0.000	(N/A)	(N/A)	(N/A)	0.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
L-ECO_007	0.000	(N/A)	(N/A)	(N/A)	0.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
L-ECO-008	0.000	(N/A)	(N/A)	(N/A)	0.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
L-034a	0.000	(N/A)	(N/A)	(N/A)	0.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
L-040a	0.000	(N/A)	(N/A)	(N/A)	0.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
L-1075	0.000	(N/A)	(N/A)	(N/A)	0.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)
L-1090	0.000	(N/A)	(N/A)	(N/A)	0.0	(N/A)	(N/A)	0.0	(N/A)	(N/A)