PROPOSED FLAGSTONIAN DRIVE - TRUNK ROAD

FLAGSTONIAN DRIVE, FLAGSTONE

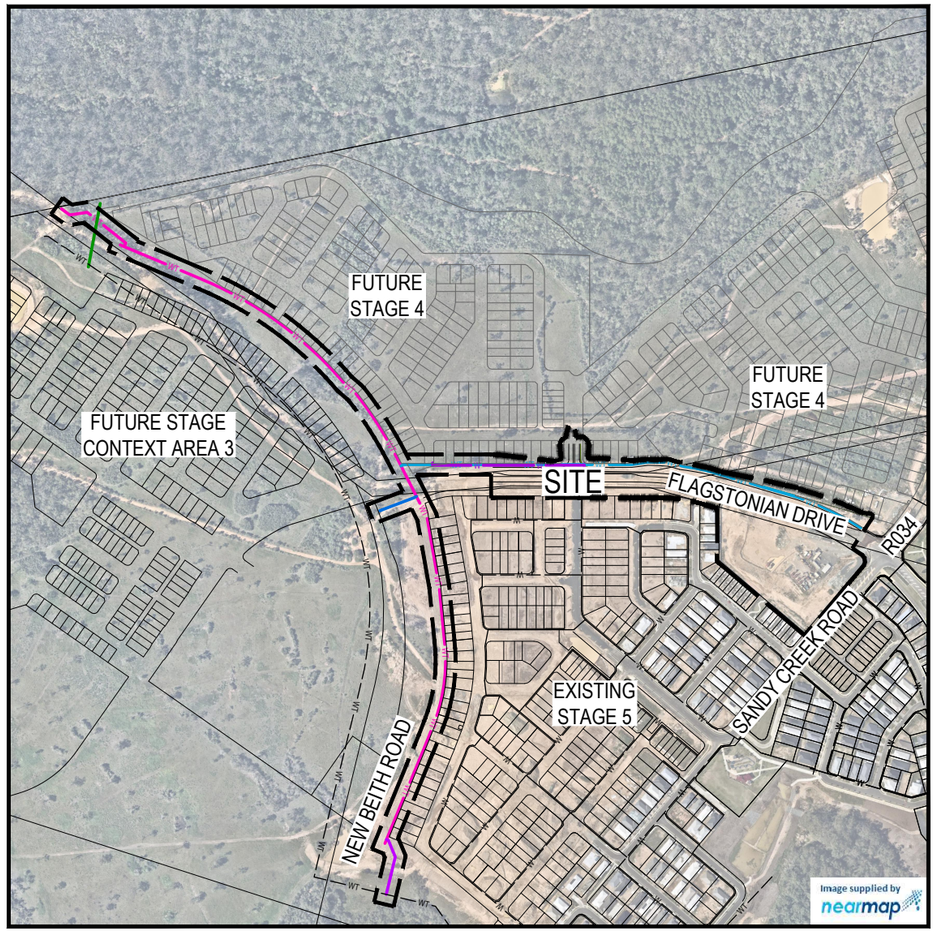
FOR 'PEET FLAGSTONE CITY Pty. Ltd.'

WATER RETICULATION

22-0450-500	TRUNK WATER COVER PLAN
22-0450-500A	TRUNK WATER GENERAL NOTES SHEET 1 OF 2
22-0450-501	TRUNK WATER GENERAL NOTES SHEET 2 OF 2
22-0450-502	TRUNK WATER LIVE WORKS DETAILS SHEET 1 OF 4
22-0450-502A	TRUNK WATER LIVE WORKS DETAILS SHEET 2 OF 4
22-0450-502B	TRUNK WATER LIVE WORKS DETAILS SHEET 3 OF 4
22-0450-502C	TRUNK WATER LIVE WORKS DETAILS SHEET 4 OF 4
22-0450-503	FLOW METER DETAIL
22-0450-504	TRUNK WATER LAYOUT PLAN SHEET 1 OF 6
22-0450-505	TRUNK WATER LAYOUT PLAN SHEET 2 OF 6
22-0450-506	TRUNK WATER LAYOUT PLAN SHEET 3 OF 6
22-0450-507	TRUNK WATER LAYOUT PLAN SHEET 4 OF 6
22-0450-508	TRUNK WATER LAYOUT PLAN SHEET 5 OF 6
22-0450-509	TRUNK WATER LAYOUT PLAN SHEET 6 OF 6
22-0450-510	TRUNK WATER LONGITUDINAL SECTIONS SHEET 1 OF 8
22-0450-511	TRUNK WATER LONGITUDINAL SECTIONS SHEET 2 OF 8
22-0450-512	TRUNK WATER LONGITUDINAL SECTIONS SHEET 3 OF 8
22-0450-513	TRUNK WATER LONGITUDINAL SECTIONS SHEET 4 OF 8
22-0450-514	TRUNK WATER LONGITUDINAL SECTIONS SHEET 5 OF 8
22-0450-515	TRUNK WATER LONGITUDINAL SECTIONS SHEET 6 OF 8
22-0450-516	TRUNK WATER LONGITUDINAL SECTIONS SHEET 7 OF 8
22-0450-516A	TRUNK WATER LONGITUDINAL SECTIONS SHEET 8 OF 8
22-0450-517	SCOUR VALVE DETAILS
22-0450-518	AIR VALVE DETAILS

D

D



LOCALITY PLAN
SCALE 1:4000 (A1)
SCALE 1:8000 (A3)

NAME OF ESTATE	FLAGSTONIAN DRIVE - TRUNK ROAD
SP APPLICATION No.	TBC
SP APPROVAL DATE	TBC

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV2025/1610
Date: 22 August 2025
Queensland Government

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	23.08.24	PM	DH	ORIGINAL ISSUE
B	19.03.25	PM	JR	WATER ARRANGEMENT UPDATED
C	18.06.25	TR	JR	WATER ARRANGEMENT UPDATED
D	23.07.25	TR	JR	RFI RESPONSE

DRAWN: JR
DESIGN: TR
STATUS: NOT FOR CONSTRUCTION
APPROVED: DANIEL COLLINS RPEQ 18631 DATE 23.07.25
FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:4000 40 0 40 80 120 160 200 A1
1:8000 A3

CLIENT: PEET FLAGSTONE CITY Pty. Ltd.
ASSOCIATED CONSULTANT: VERIS (07) 3666 4700

PROJECT NAME: FLAGSTONIAN DRIVE - TRUNK ROAD
FLAGSTONIAN DRIVE
FLAGSTONE

DRAWING TITLE: TRUNK WATER COVER PLAN

PROJECT No.	DRAWING No.	REVISION
22-0450	500	D

PLOT - 24 Jul 2025 09:11 AM LOCATION - C:\12d5 Work Space\data\AUMEL\SQL01\22-0450_1922\Design\Acad\22-0450-500-01 [WAT COVER].dwg

GENERAL NOTES:

1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT SOUTH EAST QUEENSLAND WATER CODE SPECIFICATIONS AND STANDARDS.
2. UNLESS SPECIFIED OTHERWISE ALL MATERIALS AND WORK SHALL COMPLY WITH THE RELEVANT AUSTRALIAN STANDARDS.
3. THE CONSTRUCTION OF THE WORK SHOWN ON THIS DRAWING SHALL BE SUPERVISED BY AN ENGINEER WHO HAS RPEQ REGISTRATION. WORKS NOT COMPLYING WITH THIS REQUIREMENT WILL NOT BE PERMITTED TO CONNECT INTO THE SEQ SERVICE PROVIDER.
4. ALL PIPES AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE "ACCEPTED PRODUCTS AND MATERIALS" LIST.
5. WHERE PIPES ARE LAID IN FILL, THE FILLING SHALL BE TESTED BY A NATA CERTIFIED TEST LABORATORY IN ACCORDANCE WITH THIS CODE. IN ALL SUCH CASES APPROVAL OF CONSTRUCTED WORKS WILL NOT BE ISSUED BY THE SEQ SERVICE PROVIDER UNLESS CERTIFICATES ARE PRODUCED CERTIFYING THAT THE REQUIRED COMPACTION HAS BEEN ACHIEVED.
6. WHERE PIPES HAVE A GRADE OF 1 IN 20 OR STEEPER, BULKHEADS OR TRENCHSTOPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SEQ-WAT-1209-1 AS APPROPRIATE.
7. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF EXISTING SERVICES WITH RELEVANT AUTHORITIES BEFORE COMMENCING WORKS.
8. EXISTING MAINS SHALL BE DISUSED /ABANDONED IN ACCORDANCE WITH PROCEDURES SET OUT IN THE SEQ CODE.
9. BENCH MARK AND LEVELS TO AHD.
10. THE CONTRACTOR SHALL SUPPLY ALL LABOR, MATERIALS, PLANT AND EQUIPMENT TO CONSTRUCT THE WORKS AS DOCUMENTED AND STRICTLY IN ACCORDANCE WITH THE RELEVANT AUTHORITY STANDARDS, SPECIFICATIONS AND REQUIREMENTS.
11. EXISTING SERVICES RELEVANT TO THE PROJECT HAVE BEEN CONSIDERED THROUGHOUT DESIGN AND IS BASED ON SURVEY INFORMATION PROVIDED BY THE SURVEYOR AND THE CONTRACTOR. THE RPEQ WHO CERTIFIED THE DESIGN OR THE PRINCIPAL'S CONSTRUCTION RPEQ HAVE RELIED UPON THIS INFORMATION TO INFORM THE DESIGN. THE CONTRACTOR SHALL VERIFY THE POSITION OF ANY UNDERGROUND SERVICES WITHIN THE AREAS OF WORKS AND SHALL BE RESPONSIBLE FOR MAKING GOOD ANY DAMAGE THERETO. ANY ALTERATION WORKS TO SERVICES WILL BE CARRIED OUT ONLY BY THE SERVICE OWNER AUTHORITY UNLESS APPROVED OTHERWISE.
12. PRIOR TO COMMENCING WORK, THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL RELEVANT LOCAL AUTHORITY PERMITS.
13. THE CONTRACTOR SHALL NOT COMMENCE THE DEMOLITION OF ANY EXISTING BUILDINGS AND/OR STRUCTURES WITHOUT APPROVAL FROM THE SUPERINTENDENT.
14. THE CONTRACTOR SHALL APPLY INDUSTRY BEST PRACTICE SO WORKS SHALL NOT DISTURB OR AFFECT NEARBY RESIDENTS EITHER BY DUST, NOISE, FLOODING OR DISCONNECTION OF SERVICES. CONTRACTOR TO ENSURE THAT ACCESS AND SERVICES TO EXISTING PROPERTIES ARE AVAILABLE AT ALL TIMES.
15. PRIOR TO COMMENCEMENT OF WORKS, THE CONTRACTOR SHALL VERIFY LEVELS OF EXISTING SERVICE CROSSINGS AND CONNECTION POINTS AND NOTIFY THE RPEQ WHO CERTIFIED THE DESIGN OR THE PRINCIPAL'S CONSTRUCTION RPEQ OF ANY DISCREPANCIES BETWEEN ACTUAL AND PROPOSED DESIGN LEVELS. THE CERTIFICATION OF THIS DESIGN IS BASED ON SURVEY AND POTHOLE INFORMATION PROVIDED BY THE SURVEYOR AND CONTRACTOR AT THE TIME OF DESIGN.
16. THESE ENGINEERING DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE APPROVED VEGETATION MANAGEMENT PLAN, WHERE APPLICABLE. WHEN IN DOUBT, ALL EXISTING TREES ARE TO REMAIN UNLESS DIRECTED OTHERWISE.
17. THE CONTRACTOR SHALL NOTE DURING THE COURSE OF THE WORKS WHEN JOINT INSPECTIONS WITH THE AUTHORITY AND THE SUPERINTENDENT ARE REQUIRED. THESE INCLUDE PRE-STARTS, SUBGRADES, PRE-SEALS, CLEARING, AND OTHER SUCH INSPECTIONS AS NOMINATED DURING THE PRE-START, IN THE APPROVAL AND THE SPECIFICATIONS. THE CONTRACTOR SHALL ENSURE NO WORKS PROCEED PAST THE INSPECTION POINT UNTIL THE JOINT INSPECTION HAS BEEN SUCCESSFULLY COMPLETED.
18. ALL DESIGN AND CONSTRUCTION ACTIVITIES UNDERTAKEN SHALL COMPLY WITH CURRENT WORKPLACE HEALTH AND SAFETY REQUIREMENTS AND LEGISLATION.
19. ALL EXISTING ROADS THAT ARE DISTURBED DURING WORKS ARE TO BE REINSTATED.

WATER RETICULATION / TRUNK NOTES

1. CONDUITS TO BE INSTALLED IN ACCORDANCE WITH THE STANDARD DRAWINGS.
2. A WATER METER SUPPLIED AT THE DEVELOPER'S COST, IS TO BE INSTALLED AT THE SERVICE POINT OF EACH LOT IN ACCORDANCE WITH THE STANDARD DRAWING FOR THE SEQ-SP.
3. ALL MATERIALS USED IN THE WORKS SHALL COMPLY WITH THE SEQ-SP's ACCEPTED PRODUCTS AND MATERIALS LIST OR BE APPROPRIATELY SHOWN, LISTED AND DEFINED IN THE ENGINEERING SUBMISSION SO THAT THE ALTERNATIVE PRODUCT OR MATERIAL CAN BE ASSESSED AND IF APPROPRIATE, APPROVED BY THE SEQ-SP.
4. ALL CONCRETE FOOTPATHS TO BE CLEAR OF WATER MAINS.
5. TEST/CHLORINATION POINTS TO BE INSTALLED IN ACCORDANCE WITH STANDARD DRAWING NO.SEQ-WAT-1410-1.
6. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT LOGAN WATER SPECIFICATION FOR TRUNK WATER MAINS DESIGN
7. COVER ON MAINS FROM PERMANENT LEVEL TO BE AS SHOWN IN SEQ-WAT-1200-2.
8. HYDRANTS / AIR VALVES TO BE INSTALLED AT THE END OF ALL NEW MAINS WHERE REQUIRED FOR TESTING AND COMMISSIONING PURPOSES.
9. ALL PIPE ANCHORAGE CONCRETE THRUST BLOCKS SHALL BE IN ACCORDANCE WITH THE CURRENT WSAA WATER SUPPLY CODE OF AUSTRALIA SPECIFICATIONS AND LOGAN WATER SPECIFICATION FOR TRUNK WATER MAINS DESIGN
10. THE CONSTRUCTION OF THE WATER RETICULATION / TRUNK WORK SHOWN ON THIS DRAWING MUST BE SUPERVISED BY AN ENGINEER WHO HAS RPEQ REGISTRATION. WORKS NOT COMPLYING WITH THIS REQUIREMENT WILL NOT BE PERMITTED TO CONNECT TO THE RETICULATION SYSTEM.
11. ADOPT LIP OF KERB OR SHOULDER OF ROAD AS PERMANENT LEVEL.

CREEK CROSSING

1. SILTATION CONTROL MEASURES SHALL BE PLACED DOWNSTREAM OF ANY EXCAVATION WORK.
2. APPROPRIATE SEDIMENT CONTROLS SHALL BE USED TO PREVENT SEDIMENT FROM ENTERING THE CREEK.
3. NO SOIL SHALL BE STOCKPILED WITHIN 5 m OF THE CREEK OR WATER WAY.

REHABILITATION

1. PREDISTURBANCE SOIL PROFILES AND COMPACTION LEVELS SHALL BE REINSTATED.
2. PREDISTURBANCE VEGETATION PATTERNS SHALL BE RESTORED.

PIPEWORK

1. WHERE CONNECTING TO EXISTING PIPEWORK, THE LEVEL AND DIAMETER OF THE EXISTING PIPEWORK, SHALL BE CONFIRMED BY THE CONTRACTOR, PRIOR TO CONNECTION.
2. ALL FLANGES SHALL BE IN ACCORDANCE WITH AS 4087, CLASS 16 FOR DUCTILE IRON AND STEEL, UNO.
3. ALL BACKING PLATES, NUTS, BOLTS AND WASHERS TO BE A MINIMUM GRADE 316 STAINLESS STEEL. COAT THE THREADED SECTIONS OF ALL STAINLESS STEEL BOLTS WITH AN ANTI-SEIZE LUBRICANT
4. INSTALL VALVE IDENTIFICATION CAP ON ALL SPINDLES.
5. GASKET MATERIAL TO COMPLY WITH AS4087 AND IN ACCORDANCE WITH WSA 109.
6. ALL FLANGE BOLT HOLE ORIENTATIONS SHALL BE OFF-CENTRE UNO.
7. ALL FLANGE BOLT SETS SHALL BE GRADE 316 STAINLESS STEEL. REFER AS 4087 - TABLE C1 FOR CLASS.
8. FLANGE GASKET MATERIAL AND THICKNESS SHALL BE IN ACCORDANCE WITH AS 4087 - TABLE C1.
9. THRUST AND PUDDLE FLANGES SHALL BE CAST CENTRALLY WITHIN WALLS UNLESS SHOWN OTHERWISE.
10. ALL SPIGOT AND SOCKET DICL PIPEWORK SHALL BE CLASS PN35.
11. ALL GATE AND REFLUX VALVES SHALL BE INTERNALLY AND EXTERNALLY COATED WITH A POLYMERIC COATING. ALL GATE VALVES SHALL BE RESILIENT SEATED. ALL REFLUX VALVES SHALL BE RESILIENT SEATED SWING FLEX CHECK VALVE OR SIMILAR APPROVED TOP OPENING VALVE.
12. DUCTILE IRON FITTINGS MAY BE USED WITH DI & PVC PIPE. FITTINGS SHALL BE FBE COATED AND LINED. CEMENT LINED WITH A BITUMINOUS EXTERNAL COATING MAY BE USED WITH APPROVAL. DO NOT USE PVC FITTINGS.
13. PE SLEEVING, COLOURED FOR THE PRODUCT IS REQUIRED ON ALL DI PIPE AND FITTINGS APPLIED IN ACCORDANCE WITH AS 3681. TWO THICKNESS REQUIRED BETWEEN FITTINGS AND THRUST BLOCK. REINSTATE ANY DAMAGED SLEEVING AS PER MANUFACTURER'S SPECIFICATIONS.
14. DI SPIGOTS SHALL NOT BE FITTED INTO PVC SOCKETS.

PVC PIPE

1. PVC PIPE SHALL NOT BE IN CONTACT WITH THRUST BLOCK CONCRETE.
2. MAXIMUM SIZE OF DRILLED HOLES FOR SERVICE CONNECTIONS IN PVC PIPE TO BE 30% OF DN OR 50 (LOWER VALUE TO BE USED).
3. PVC PIPE SHALL NOT BE BENT OR CURVED.

POLYETHYELENE PIPE

1. NON-PRESSURE PE PIPE WELDING AND JOINING SHALL BE IN ACCORDANCE WITH LOGAN WATER INFRASTRUCTURE SPECIFICATION.
2. PRESSURE PE PIPE WELDING SHALL BE IN ACCORDANCE WITH LOGAN WATER INFRASTRUCTURE SPECIFICATION
3. FOR POLYETHYLENE PIPE CONSTRUCTION REFER TO WSA 03-2011-3.1 POLYETHYLENE PIPELINE CODE FOR CONSTRUCTION AND INSTALLATION STANDARDS.
4. PE PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH WSA 03-2011-3.1 SECTION 2.11.
5. ALL JOINTING SHALL BE BUTT WELDED UNLESS OTHERWISE NOTED, IN ACCORDANCE WITH WSA 01-2004, AS2033, AS2566.2 AND THE MANUFACTURERS GUIDELINES.
6. TESTING AND COMMISSIONING IN ACCORDANCE WITH WSA 03-2011-3.1 SECTION 2.13.
7. BUTT WELD DESTRUCTIVE TEST FREQUENCIES SHALL BE IN ACCORDANCE.
8. DESTRUCTIVE TESTING SHALL BE UNDERTAKEN ON A PILOT WELD BY A NATA ACCREDITED LABORATORY FOR EACH PIPE DIAMETER, CLASS, WELDING MACHINE, AND CERTIFIED PIPE WELDER.
9. PE PIPE (PRESSURE) MAY BE COLD BENT TO MAXIMUM RADIUS AS PER POP 202, STAKES OR OTHER SOURCES OF POINT LOADS SHALL NOT BE USED TO ASSIST IN BENDING THE PIPE.
10. MAKE ALLOWANCE DURING CONSTRUCTION FOR EXPANSION AND CONTRACTION OF PE PIPE DUE TO TEMPERATURE CHANGES.
11. ELECTROFUSION AND BUTT WELDING TO BE IN ACCORDANCE WITH WSA-01 (POLYETHYLENE CODE), BUTT WELDING IN TRENCHES IS NOT PERMITTED.
12. ALL MECHANICAL COUPLINGS TO BE SELF-RESTRAINING.
13. REFER SEQ-WAT-1409-1 FOR TYPICAL PE ARRANGEMENTS.

VEGETATION PROTECTION

1. TREES LOCATED ALONG THE FOOTPATH SHALL BE, TRANSPLANTED PRIOR TO CONSTRUCTION, OR REPLACED IF DESTROYED.
2. WHEN WORKING WITHIN 4 m OF TREES, RUBBER OR HARDWOOD GIRDLES SHALL BE CONSTRUCTED WITH 1.8 m BATTENS CLOSELY SPACED AND ARRANGED VERTICALLY FROM GROUND LEVEL. GIRDLES SHALL BE STRAPPED TO TREES PRIOR TO CONSTRUCTION AND REMAIN UNTIL COMPLETION.
3. TREE ROOTS SHALL BE TUNNELLED UNDER, RATHER THAN SEVERED. IF ROOTS ARE SEVERED THE DAMAGED AREA SHALL BE TREATED WITH A SUITABLE FUNGICIDE. CONTACT RELEVANT COUNCIL ARBORIST FOR FURTHER ADVICE.
4. ANY TREE LOPPING REQUIRED SHOULD BE UNDERTAKEN BY AN APPROVED ARBORIST.

SOIL

1. TOPSOIL AND SUBSOIL SHALL BE STOCKPILED SEPARATELY.
2. CARE SHALL BE TAKEN TO PREVENT SEDIMENT FROM ENTERING THE STORMWATER SYSTEM. THIS MAY INVOLVE PLACING APPROPRIATE SEDIMENT CONTROLS AROUND STOCKPILES.
3. ACID SULPHATE SOILS EXIST IN THE WORKS AREA. THE OUTPUTS FROM THE RISK ASSESSMENT BASED ON THE QUEENSLAND ACID SULPHATE SOIL TECHNICAL MANUAL REQUIRES THAT ACID SULPHATE SOILS BE MANAGED AS FOLLOWS: MORE INVESTIGATION IN GEOTECH REPORT IS REQUIRED.

SAFETY

1. THE DESIGN AND CONSTRUCTION OF THE WORKS SHALL COMPLY WITH ALL QUEENSLAND LEGISLATION.
2. THE SAFETY IN DESIGN, DESIGN AND RISK MITIGATION MEASURES FOR THESE DRAWINGS DO NOT NECESSARILY ACCOUNT FOR ALL DESIGN, CONSTRUCTION, OPERATION, MAINTENANCE AND DEMOLITION ASSESSMENTS. IT DOES NOT REDUCE OR LIMIT THE OBLIGATIONS OF THE CONSTRUCTOR, USER, OPERATOR, MAINTAINER AND DEMOLISHER TO PERFORM THEIR OWN SAFETY IN DESIGN RISK ASSESSMENT.
   DEVELOP CONSTRUCTION AND INSTALLATION SAFE WORK METHOD STATEMENTS TO ELIMINATE AND MINIMISE INSTALLATION RISKS. THE SAFE METHOD STATEMENT SHALL BE REVIEWED AND APPROVED BY A SUITABLY QUALIFIED STRUCTURAL ENGINEER

LOGAN WATER SPECIFICATIONS

THE CONTRACTOR SHALL UNDERTAKE THE WORKS IN ACCORDANCE WITH ALL RELEVANT LOGAN WATER SPECIFICATIONS AND COMMISSIONING REQUIREMENTS, WHERE APPLICABLE.

DETAILS OF PROPOSED SEQ CODE VARIATIONS

No.	SEQ CODE CLAUSE	DETAILS FOR PROPOSED VARIATION	REASONS OF PROPOSED VARIATION
1	5.4.4	WATER MAIN OFFSET TO BOUNDARY VARIES FROM STANDARD ALIGNMENT	TO AVOID SERVICE CLASHES AND DUE TO LOT ALIGNMENT, OFFSET CANNOT BE MAINTAINED AROUND BEND LOCATIONS.
2	SEQ-WAT-1211-1	WATERMAIN PROPOSED AT GREATER DEPTH AND BELOW SERVICES AT ROAD CROSSINGS.	THIS IS TO ACHIEVE CLEARANCE TO SERVICES WHILE AVOIDING WATERMAINS WITHIN ROAD PAVEMENT WHICH WOULD OTHERWISE INCREASE THE POTENTIAL FOR DAMAGE TO THE WATERMAIN ASSET.
3	5.12.5.2	WATER MAIN CROSSING BELOW SEWER AND STORMWATER	DUE TO CONSTRAINTS OF THE PROPOSED SEWER AND STORMWATER, THE WATER MAIN IS REQUIRED TO BE INSTALLED BELOW THE SERVICES, WHILST MAINTAINING STANDARD CLEARANCES.

B

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV2025/1610
Date: 22 August 2025
Queensland Government

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	18.06.25	TR	JR	ORIGINAL ISSUE
B	23.07.25	TR	JR	RFI RESPONSE

DRAWN: JR
DESIGN: TR
STATUS: NOT FOR CONSTRUCTION
APPROVED: DANIEL COLLINS RPEQ 18631 DATE 23.07.25
FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

CLIENT: PEET FLAGSTONE CITY Pty. Ltd.

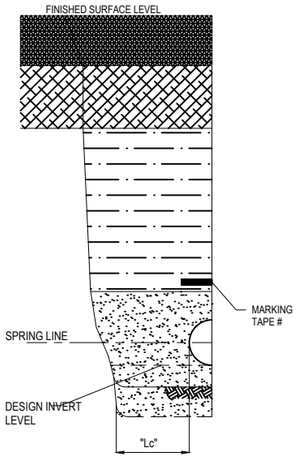
ASSOCIATED CONSULTANT: VERIS (07) 3666 4700

PROJECT NAME: FLAGSTONIAN DRIVE - TRUNK ROAD
FLAGSTONIAN DRIVE
FLAGSTONE

DRAWING TITLE: TRUNK WATER GENERAL NOTES SHEET 1 OF 2

PROJECT No. 22-0450 | DRAWING No. 500A | REVISION B

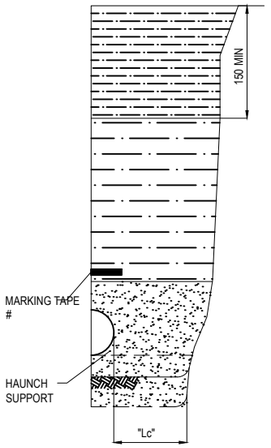
PLOT - 24 Jul 2025 09:11 AM LOCATION - C:\12\6S_Work Space\data\AUMEL\SQU\0122-0450_1922\Design\Acad\22-0450-500-01 [WAT COVER].dwg

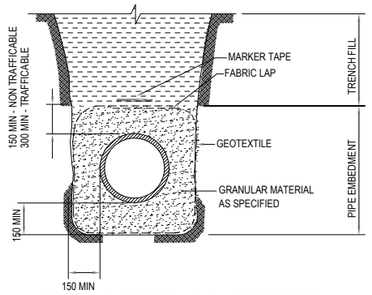


SPRING LINE TRENCH CLEARANCE

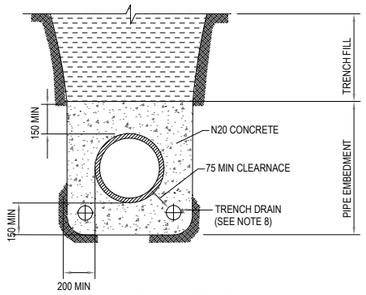
NOMINAL BORE (NB)	MINIMUM CLEARANCE "Lc" TO AS/NZS 2555.1
≤300	150
>300 - ≤450	200
>450 - ≤900	300
>900 - ≤1500	350

TRENCH WIDTH TO BE SUFFICIENT TO SAFELY LAY PIPE AND COMPACT THE SIDE SUPPORT ZONE.



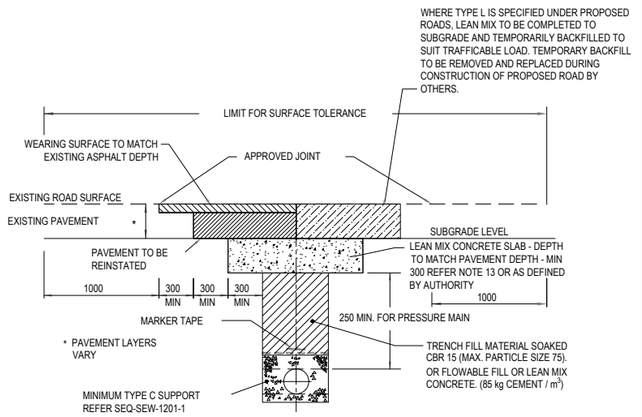


TYPE D SUPPORT - WITH GEOTEXTILE
(NTS)



TYPE I SUPPORT
UTILISING CONCRETE EMBEDMENT
(NTS)

CONCRETE ENCASEMENT JOINT DETAILS



TYPE L CONSTRUCTION
CROSSING SEALED ROADS
(NTS)

EMBEDMENT MATERIAL DESIGN NOTES

1. ALL DIMENSIONS IN MILLIMETERS.
2. PLACEMENT OF EMBEDMENT, TRENCHFILL & COMPACTION TO MEET THE REQUIREMENTS OF THE SEQ CODE AND DESIGN DRAWINGS.
3. EXCAVATE OR COMPACT TRENCH FLOOR TO PROVIDE A FLAT FIRM BASE TO SUPPORT BEDDING MATERIAL AND MIMIMISE PIPELINE SETTLEMENT. WHEN EXCAVATED, REPLACE WITH GRANULAR MATERIAL AS SPECIFIED FOR BEDDING OR ADOPT SUPPORT AS REQUIRED.
4. WHERE ADDITIONAL SUPPORT IS REQUIRED THIS SHALL BE REFERRED TO GEO-TECHNICAL ENGINEER FOR REVIEW. SUPPORT SHALL BE INSTALLED AT A MINIMUM DEPTH OF 300 WITH A 20mm NOMINAL SIZE CRUSHED ROCK COMPLYING WITH TABLE G2 OR G3 OF AS2566.2. ADDITIONAL BEDDING SHALL BE WRAPPED WITH GEOTEXTILE TO FORM A SEPARATE GEOTEXTILE PILLOW FOUNDATION FOR PIPE EMBEDMENT.
5. ENSURE BEDDING IS DEEP ENOUGH THAT PIPE JOINT PROJECTIONS (SOCKETS, FLANGES) DO NOT TOUCH TRENCH FLOOR.
6. GEOTEXTILE BIDIM A24 OR APPROVED EQUIVALENT TO BE USED WHERE TRENCH FILL IS A MIGRATORY NATIVE SOIL OR SAND OR FINE CLAY MATERIAL, AND WHERE SPECIFIED IN THE DESIGN.
7. LAY GEOTEXTILE FILTER FABRIC AGAINST TRENCH FLOOR AND WALLS SUCH THAT IT FULLY ENCASES THE EMBEDMENT AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS.
   - PRESS FABRIC INTO THE VOIDS BEFORE INSTALLING EMBEDMENT TO PREVENT FABRIC TEARING.
   - PROVIDE A MINIMUM OF 250 OVERLAP AT ALL FABRIC JOINTS.
8. PURCHASE SPECIFICATIONS FOR EMBEDMENT MATERIAL ARE DETAILED IN THE SEQ CODE ACCEPTED PRODUCTS AND MATERIALS LIST. TRENCH FILL SHALL COMPLY WITH SEQ-SEW-1200-2. 10. DETECTABLE MARKER TAPE SHALL BE PROVIDED EITHER ABOVE THE EMBEDMENT ZONE OR 1000 BELOW THE F.S.L, WHICHEVER IS CLOSEST TO F.S.L.

ASSET DESCRIPTION	COLOUR
SEWER MAIN	CREAM
POTABLE WATER	BLUE
RECYCLED WATER	LILAC

9. MARKER TAPE SHALL BE DETECTABLE TYPE IN ACCORDANCE WITH IPAM LIST, COLOUR CREAM FOR NON-PRESSURE AND PRESSURE SEWERAGE. THE TAPE SHALL BE MARKED "CAUTION ASSET DESCRIPTION BURIED BELOW"
10. BEDDING MATERIAL SHALL BE A SINGLE SIZED 5mm OR 7mm NOMINAL SIZE CRUSHED ROCK COMPLYING WITH TABLE G2 OF AS2566.2.
11. IMPORTED BACKFILL MATERIAL SHALL HAVE A SOAKED CBR VALUE OF NOT LESS THAN 15% AND A MAXIMUM PARTICLE SIZE OF 75mm.
12. FLOWABLE FILL OR LEAN MIX CONCRETE SHALL BE THOROUGLY MIXED PRIOR TO PLACEMENT WITH A CEMENT CONTENT OF 5%. SHALL CONSIST OF A GRADED SAND AND GRAVEL AGGREGATE OF 40mm MAXIMUM SIZE AND SUFFICIENT WATER TO ENSURE SLUMP OF LESS THAN 12mm.

EMBEDMENT MATERIAL CONSTRUCTION

1. FOR EACH BEDDING ZONE, BEDDING MATERIAL SHALL BE PLACED IN THE TRENCH TO THE DEPTH SHOWN ON THE DRAWINGS AND COMPACTED IN 150mm LAYERS FOR THE FULL WIDTH OF THE TRENCH BY TWO PASSES OF A VIBRATING PLATE.
2. TRENCH BACKFILL ABOVE BEDDING ZONE SHALL BE COMPACTED IN ACCORDANCE WITH THE BELOW TABLE U.N.O.

MATERIAL TYPE	TRAFFICABLE AREA	NON-TRAFFICABLE AREA
COHESIONLESS (DENSITY INDEX)	70	60
COHESIVE (STD COMPACTION)	95	90

3. SINGLE SIZE COARSE AGGREGATES OF SIZES 7, 10, AND 14 mm ARE DEEMED “SELF COMPACTING” AND DO NOT REQUIRE COMPACTION TESTING WHEN USED AS EMBEDMENT U.N.O.
4. EXCAVATE AND COMPACT TRENCH FLOOR TO PROVIDE FLAT FIRM BASE TO SUPPORT BEDDING MATERIAL AND MINIMISE PIPELINE SETTLEMENT.
5. THE INSTALLED MAIN AND STRUCTURES SHALL CONFORM WITH THE CONSTRUCTION TOLERANCES NOMINATED WITHIN SEQ-CODE.

TYPE L - SEALED ROADS

1. FOR EXCAVATION, BEDDING AND BACKFILL REQUIREMENTS REFER CODES. FOR PAVEMENT AND WEARING SURFACE AND SUB-BASE OR SUBGRADE DETAILS REFER AUTHORITIES SPECIFICATION.
2. A GEOTEXTILE BARRIER SHALL BE PROVIDED AT THE INTERFACE OF EMBEDMENT ZONE AND THE TRENCH FILL ZONE.
3. THE SLAB USED IN TYPE L CONSTRUCTION SHALL BE GRADE N15 CONCRETE WITH ZERO SLUMP AND PLACED AND COMPACTED IN 100 THICK LAYERS.
4. THE ALIGNMENT OF ALL PIPES SHALL BE DEFINES BY A MARKER TAPE PLACED AS SHOWN AT TOP OF EMBEDMENT. THE TAPE SHALL CONTAIN A CONTINUOUS METAL STRIP AND BE COLOURED AND PROVIDED WITH A DESCRIPTION OF THE WATER PRODUCT WITHIN.

TYPE I - CONCRETE EMBEDMENT

1. DURING THE ENCASEMENT PROCESS PIPES WILL REQUIRE A RESTRAINT SYSTEM TO PREVENT PIPE MOVEMENT AND/OR FLOATATION AND/OR THERMAL REVERSION.
2. PE MAINS SHALL BE WRAPPED WITH 3 MIN THICK EPDM RUBBER.
3. SEE SEQ-WAT-1210-1 FOR TRENCH DRAINAGE DETAILS

ENVIRONMENTAL CONDITIONS

VEGETATION PROTECTION

A. TREES LOCATED ALONG THE FOOTPATH SHALL BE, TRANSPLANTED PRIOR TO CONSTRUCTION, OR REPLACED IF DESTROYED.
B. WHEN WORKING WITHIN 4m OF TREES, RUBBER OR HARDWOOD GIRDLES SHALL BE CONSTRUCTED WITH 1.8m BATTENS CLOSELY SPACED AND ARRANGED VERTICALLY FROM GROUND LEVEL. GIRDLES SHALL BE STRAPPED TO TREES PRIOR TO CONSTRUCTION AND REMAIN UNTIL COMPLETION.
C. TREE ROOTS SHALL BE TUNNELED UNDER, RATHER THAN SEVERED. IF ROOTS ARE SEVERED THE DAMAGED AREA SHALL BE TREATED WITH A SUITABLE FUNGICIDE. CONTACT RELEVANT COUNCIL ARBORIST FOR FURTHER ADVICE.
D. ANY TREE LOPPING REQUIRED SHOULD BE UNDERTAKEN BY AN APPROVED ARBORIST.

SOIL

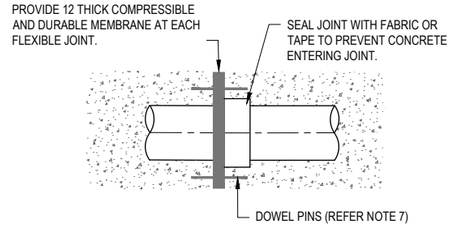
A. TOPSOIL AND SUBSOIL SHALL BE STOCKPILED SEPARATELY.
B. CARE SHALL BE TAKEN TO PREVENT SEDIMENT FROM ENTERING THE STORMWATER SYSTEM. THIS MAY INVOLVE PLACING APPROPRIATE SEDIMENT CONTROLS AROUND STOCKPILES.

CREEK CROSSINGS

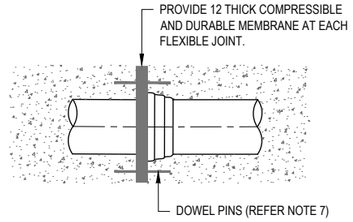
A. SILTATION CONTROL MEASURES SHALL BE PLACED DOWNSTREAM OF ANY EXCAVATION WORK.
B. APPROPRIATE SEDIMENT CONTROLS SHALL BE USED TO PREVENT SEDIMENT FROM ENTERING THE CREEK.
C. NO SOIL SHALL BE STOCKPILED WITHIN 5m OF THE CREEK.

REHABILITATION

A. PREDISTURBANCE SOIL PROFILES AND COMPACTION LEVELS SHALL BE REINSTATED.
B. PREDISTURBANCE VEGETATION PATTERNS SHALL BE RESTORED.



SLEEVED COUPLING
(NTS)



SPIGOT/SOCKET JOINT
(NTS)

DURING ANY CONSTRUCTION ACTIVITY AT LEAST ONE PERSON ON SITE MUST HAVE COMPLETED A PIPE LAYING TRAINING COURSE APPROVED BY THE PIPE SUPPLIER OR MANUFACTURER AND APPROPRIATE TO THE PIPELINE UNDER CONSTRUCTION. THE TRAINING COURSE MUST HAVE BEEN COMPLETED WITHIN THE LAST TEN YEARS.

ALL SITE AND FACTORY PE WELDING SHALL BE CARRIED OUT BY A PERSON WHO HAS COMPLETED RELEVANT NATIONALLY ACCREDITED COURSES FOR BUTT WELDING/ELECTROFUSION AND HOLD A VALID WELDING CERTIFICATE IN ACCORDANCE WITH AS/NZS 2033.

THE CONTRACTOR SHALL PROVIDE DOCUMENTED EVIDENCE OF ACCEPTABLE QUALIFICATIONS TO LOGAN WATER.

ALL WATER CONSTRUCTION SHALL COMPLY WITH ALL QUEENSLAND LEGISLATION

ALL ENVIRONMENTAL PROTECTION MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY CONSTRUCTION WORK COMMENCING, INCLUDING CLEARING

THIS DESIGN PACKAGE SHOWS CONNECTIONS TO INFRASTRUCTURE THAT HAS NOT BEEN ACCEPTED 'ON-MAINTENANCE' BY LOGAN WATER. LIVE WORKS CANNOT COMMENCE UNTIL THE PRECEDING WORKS HAVE BEEN ACCEPTED 'ON MAINTENANCE' BY LOGAN WATER

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV2025/1610
Date: 22 August 2025
Queensland Government

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	23.08.24	PM	DH	ORIGINAL ISSUE
B	19.03.25	PM	JR	WATER ARRANGEMENT UPDATED
C	02.05.25	BC	DH	ADDED VARIATION TABLE
D	20.05.25	BC	DH	REMOVED VARIATIONS TABLE
E	18.06.25	TR	JR	WATER ARRANGEMENT UPDATED
F	23.07.25	TR	JR	RFI RESPONSE

DRAWN: JR
DESIGN: TR
STATUS: NOT FOR CONSTRUCTION
APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 23.07.25
FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE:

CLIENT: PEET FLAGSTONE CITY Pty. Ltd.

ASSOCIATED CONSULTANT: VERIS (07) 3666 4700

PROJECT NAME: FLAGSTONIAN DRIVE - TRUNK ROAD
FLAGSTONIAN DRIVE
FLAGSTONE

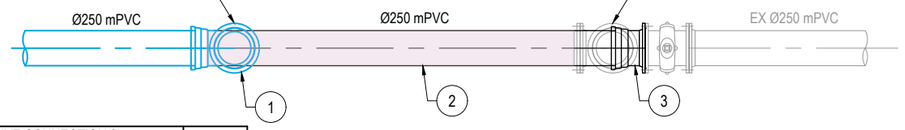
DRAWING TITLE: TRUNK WATER GENERAL NOTES SHEET 2 OF 2

PROJECT No.	DRAWING No.	REVISION
22-0450	501	F

PLOT - 24 Jul 2025 09:11 AM LOCATION - C:\1265 Work Spaces\data\AUMELSQU\122-0450_1922\Design\Acad\220450-500-01 [WAT COVER].dwg

TEMPORARY DUCKFOOT HYDRANT - TO BE COLLECTED AND REMOVED BY CONTRACTOR AFTER CLEARANCE OF NEW MAIN

CONTRACTOR TO REMOVE EXISTING END CAP AND TEMPORARY FIRE HYDRANT AND REPLACE WITH Ø250 FL-SO CONNECTOR



ITEM	LIVE CONNECTION 3 SCHEDULE OF FITTINGS	QTY
1	DN250 SOC-FL DUCKFOOT HYDRANT	1
2	DN250 SP-SOC 3000 LONG	1
3	DN250 DI SOC-FL CONNECTOR	1

WATER LIVE CONNECTION 3 DETAIL (DWG - 505)

SCALE 1:25 (A1)
SCALE 1:50 (A3)

LIVE WORKS BY LOGAN WATER 3.0m U.N.O - CONTRACTOR TO CONFIRM LENGTH ON SITE BEFORE COMMENCING WORKS

PROPOSED TRUNK WATER MAIN 600Ø

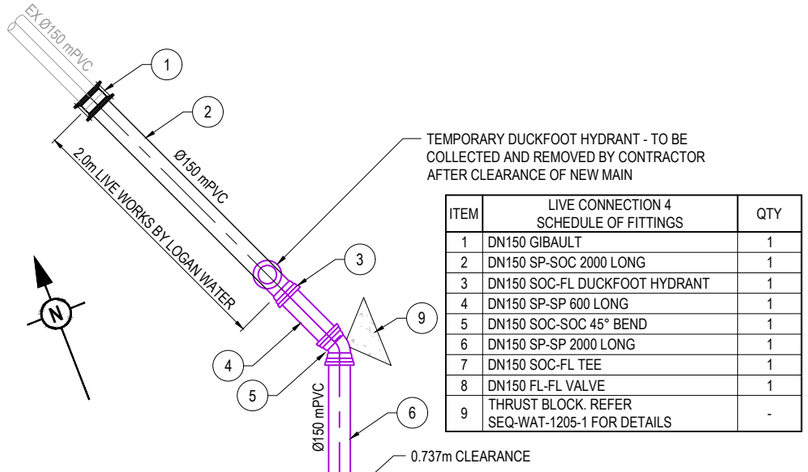
PROPOSED TRUNK WATER MAIN 450Ø

PROPOSED TRUNK WATER MAIN 375Ø

PROPOSED TRUNK WATER MAIN 250Ø

PROPOSED WATER MAIN 150Ø

PROPOSED WATER MAIN 100Ø



TEMPORARY DUCKFOOT HYDRANT - TO BE COLLECTED AND REMOVED BY CONTRACTOR AFTER CLEARANCE OF NEW MAIN

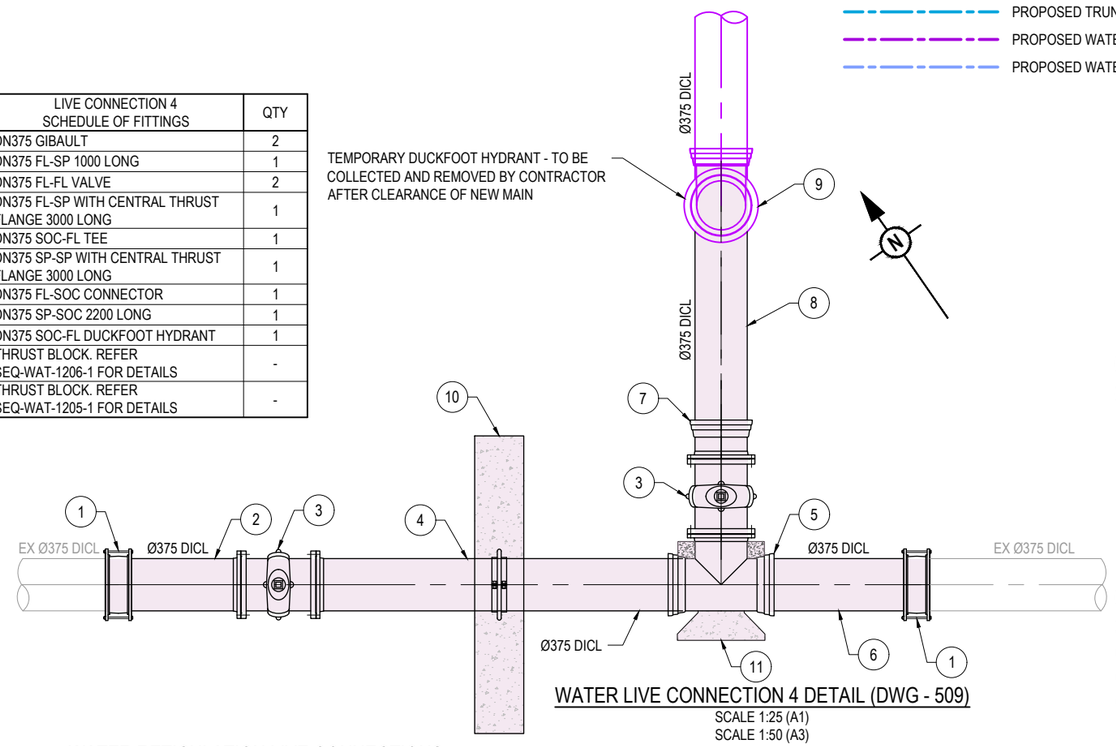
ITEM	LIVE CONNECTION 4 SCHEDULE OF FITTINGS	QTY
1	DN150 GIBAULT	1
2	DN150 SP-SOC 2000 LONG	1
3	DN150 SOC-FL DUCKFOOT HYDRANT	1
4	DN150 SP-SP 600 LONG	1
5	DN150 SOC-SOC 45° BEND	1
6	DN150 SP-SP 2000 LONG	1
7	DN150 SOC-FL TEE	1
8	DN150 FL-FL VALVE	1
9	THRUST BLOCK. REFER SEQ-WAT-1205-1 FOR DETAILS	-

WATER LIVE CONNECTION 5 DETAIL (DWG - 504)

SCALE 1:25 (A1)
SCALE 1:50 (A3)

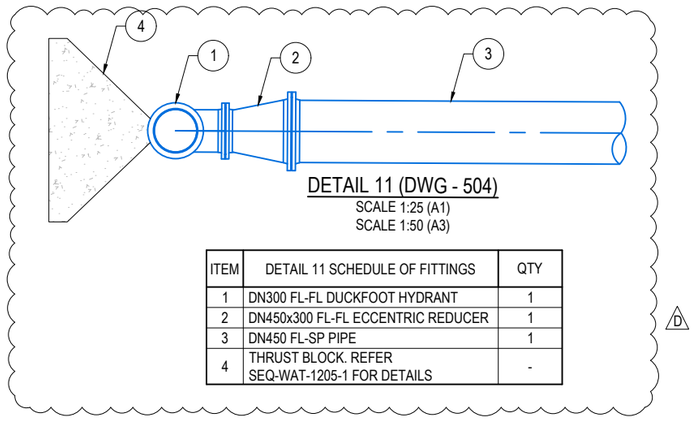
ITEM	LIVE CONNECTION 4 SCHEDULE OF FITTINGS	QTY
1	DN375 GIBAULT	2
2	DN375 FL-SP 1000 LONG	1
3	DN375 FL-FL VALVE	2
4	DN375 FL-SP WITH CENTRAL THRUST FLANGE 3000 LONG	1
5	DN375 SOC-FL TEE	1
6	DN375 SP-SP WITH CENTRAL THRUST FLANGE 3000 LONG	1
7	DN375 FL-SOC CONNECTOR	1
8	DN375 SP-SOC 2200 LONG	1
9	DN375 SOC-FL DUCKFOOT HYDRANT	1
10	THRUST BLOCK. REFER SEQ-WAT-1206-1 FOR DETAILS	-
11	THRUST BLOCK. REFER SEQ-WAT-1205-1 FOR DETAILS	-

TEMPORARY DUCKFOOT HYDRANT - TO BE COLLECTED AND REMOVED BY CONTRACTOR AFTER CLEARANCE OF NEW MAIN



WATER LIVE CONNECTION 4 DETAIL (DWG - 509)

SCALE 1:25 (A1)
SCALE 1:50 (A3)



DETAIL 11 (DWG - 504)

SCALE 1:25 (A1)
SCALE 1:50 (A3)

ITEM	DETAIL 11 SCHEDULE OF FITTINGS	QTY
1	DN300 FL-FL DUCKFOOT HYDRANT	1
2	DN450x300 FL-FL ECCENTRIC REDUCER	1
3	DN450 FL-SP PIPE	1
4	THRUST BLOCK. REFER SEQ-WAT-1205-1 FOR DETAILS	-

D

WATER RETICULATION LIVE CONNECTIONS

CONNECTION 1	CONNECTION 2
STREET: NEW BEITH ROAD	STREET: FLAGSTONIAN DRIVE
LOCATION: NEW BEITH ROAD ADJACENT STAGE 4	LOCATION: R033R034B AND FLAGSTONIAN DR INTERSECTION
LENGTH: 3.00m TYPE OF MAIN: Ø375 DICL	LENGTH: 3.00m TYPE OF MAIN: Ø150 mPVC
DATE COMMENCED: — DATE COMPLETED: —	DATE COMMENCED: — DATE COMPLETED: —
SIGNATURE:	SIGNATURE:

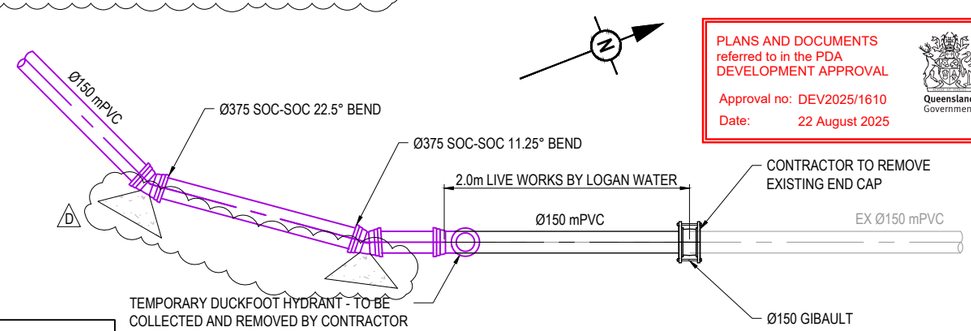
CONNECTION 3	CONNECTION 4	CONNECTION 5
STREET: FLAGSTONIAN DRIVE	STREET: NEW BEITH ROAD	STREET: FLAGSTONIAN DRIVE
LOCATION: R034 AND FLAGSTONIAN DR INTERSECTION	LOCATION: NEW BEITH ROAD ADJACENT STAGE 5	LOCATION: R033R034B AND FLAGSTONIAN DR INTERSECTION
LENGTH: 3.00m TYPE OF MAIN: Ø250 mPVC	LENGTH: 3.00m TYPE OF MAIN: Ø375 DICL	LENGTH: 3.00m TYPE OF MAIN: Ø150 DICL
DATE COMMENCED: — DATE COMPLETED: —	DATE COMMENCED: — DATE COMPLETED: —	DATE COMMENCED: — DATE COMPLETED: —
SIGNATURE:	SIGNATURE:	SIGNATURE:

NOTE:
SCHEDULE OF FITTINGS TO BE CONFIRMED BY CONTRACTOR PRIOR TO ORDER AND ARE NOT INTENDED TO PROVIDE AN EXHAUSTIVE LIST OF REQUIRED FITTINGS AND APPURTENANCES FOR ARRANGEMENTS.

NOTE:
THRUST DETAILS TO BE D&C BY THE CONTRACTOR AND PROVIDED TO LOGAN CITY COUNCIL FOR COMMENTS PRIOR TO CONSTRUCTION. GEOTECHNIAL CONDITIONS TO BE CONFIRMED ON-SITE BY THE GEOTECHNICAL CONSULTANT

LIVE WORKS NOTES:
1. ALL LIVE WORKS SHALL BE UNDERTAKEN AS DEVELOPER DELIVERED WORKS UNDER THE SUPERVISION OF LOGAN WATERS PRIVATE WORKS DEPARTMENT FOLLOWING THE ISSUING OF AN AUTHORITY TO CONNECT BY LOGAN CITY COUNCIL
2. RELEVANT TEST CERTIFICATES HAVE BEEN PROVIDED AND ACCEPTED BY LOGAN WATER.
3. PRE-CHLORINATED WATER FITTINGS SHALL BE USED FOR ALL DRINKING WATER LIVE WORKS CONNECTIONS.

NOTE:
CONTRACTOR TO LOCATE AND CONFIRM DEPTH OF EXISTING WATER MAINS AND ENSURE SETOUT OF LIVE WORKS PACKAGE.



WATER LIVE CONNECTION 2 DETAIL (DWG - 504)

SCALE 1:25 (A1)
SCALE 1:50 (A3)

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV2025/1610
Date: 22 August 2025
Queensland Government

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	23.08.24	PM	DH	ORIGINAL ISSUE
B	19.03.25	PM	JR	WATER ARRANGEMENT UPDATED
C	18.06.25	TR	JR	WATER ARRANGEMENT UPDATED
D	23.07.25	TR	JR	RFI RESPONSE

DRAWN: JR
DESIGN: TR
STATUS: NOT FOR CONSTRUCTION
APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 23.07.25
FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE: 1:25 0.25 0 0.25 0.5 0.75 1.0 1.25 A1; 1:50 A3

CLIENT: PEET FLAGSTONE CITY Pty. Ltd.

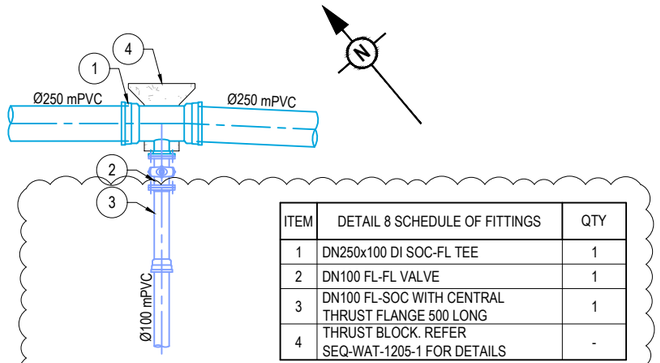
ASSOCIATED CONSULTANT: VERIS (07) 3666 4700

PROJECT NAME: FLAGSTONIAN DRIVE - TRUNK ROAD
FLAGSTONIAN DRIVE
FLAGSTONE

DRAWING TITLE: TRUNK WATER LIVE WORKS DETAILS SHEET 1 OF 4

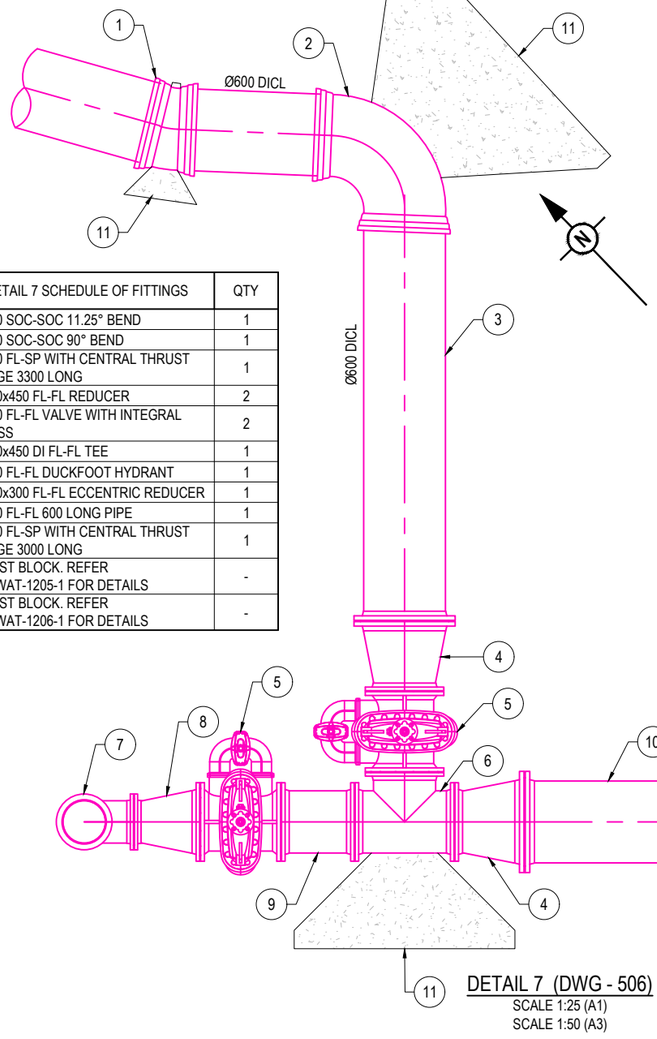
PROJECT No.	DRAWING No.	REVISION
22-0450	502	D

PLOT - 24 Jul 2025 09:11 AM LOCATION - C:\12d\S Work Space\data\AUMEL\SOL01\22-0450_ 1922\Design\Acad\22-0450-500-01 [WAT COVER].dwg



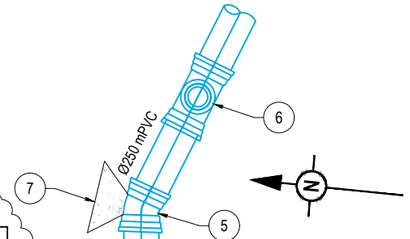
ITEM	DETAIL 8 SCHEDULE OF FITTINGS	QTY
1	DN250x100 DI SOC-FL TEE	1
2	DN100 FL-FL VALVE	1
3	DN100 FL-SOC WITH CENTRAL THRUST FLANGE 500 LONG	1
4	THRUST BLOCK. REFER SEQ-WAT-1205-1 FOR DETAILS	-

DETAIL 8 (DWG - 505)
SCALE 1:25 (A1)
SCALE 1:50 (A3)

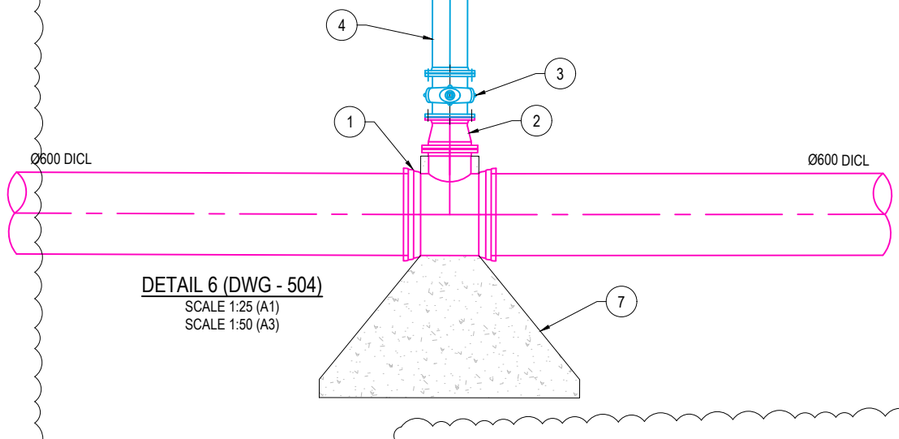


ITEM	DETAIL 7 SCHEDULE OF FITTINGS	QTY
1	DN600 SOC-SOC 11.25° BEND	1
2	DN600 SOC-SOC 90° BEND	1
3	DN600 FL-SP WITH CENTRAL THRUST FLANGE 3300 LONG	1
4	DN600x450 FL-FL REDUCER	2
5	DN450 FL-FL VALVE WITH INTEGRAL BYPASS	2
6	DN450x450 DI FL-FL TEE	1
7	DN300 FL-FL DUCKFOOT HYDRANT	1
8	DN600x300 FL-FL ECCENTRIC REDUCER	1
9	DN600 FL-FL 600 LONG PIPE	1
10	DN600 FL-SP WITH CENTRAL THRUST FLANGE 3000 LONG	1
11	THRUST BLOCK. REFER SEQ-WAT-1205-1 FOR DETAILS	-
12	THRUST BLOCK. REFER SEQ-WAT-1206-1 FOR DETAILS	-

DETAIL 7 (DWG - 506)
SCALE 1:25 (A1)
SCALE 1:50 (A3)



ITEM	DETAIL 6 SCHEDULE OF FITTINGS	QTY
1	DN600x300 DI SOC-FL TEE	1
2	DN300x250 FL-FL REDUCER	1
3	DN250 FL-FL VALVE	1
4	DN250 FL-SP WITH CENTRAL THRUST FLANGE 2500 LONG	1
5	DN250 SOC-SOC 22.5° BEND	1
6	DN250 SOC-SOC FIRE HYDRANT	1
7	THRUST BLOCK. REFER SEQ-WAT-1205-1 FOR DETAILS	-

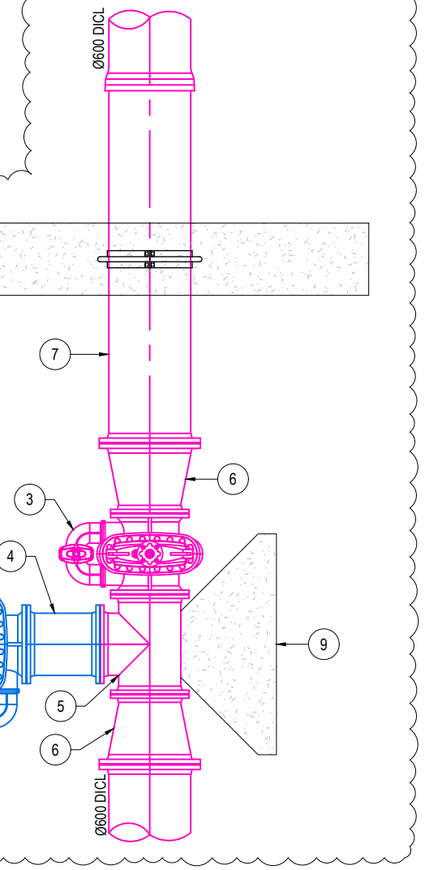


DETAIL 6 (DWG - 504)
SCALE 1:25 (A1)
SCALE 1:50 (A3)

LIVE WORKS BY LOGAN WATER 3.0m U.N.O - CONTRACTOR TO CONFIRM LENGTH ON SITE BEFORE COMMENCING WORKS
PROPOSED TRUNK WATER MAIN 600Ø
PROPOSED TRUNK WATER MAIN 450Ø
PROPOSED TRUNK WATER MAIN 375Ø
PROPOSED TRUNK WATER MAIN 250Ø
PROPOSED WATER MAIN 150Ø
PROPOSED WATER MAIN 100Ø

LIVE WORKS NOTES:
1. ALL LIVE WORKS SHALL BE UNDERTAKEN AS DEVELOPER DELIVERED WORKS UNDER THE SUPERVISION OF LOGAN WATERS PRIVATE WORKS DEPARTMENT FOLLOWING THE ISSUING OF AN AUTHORITY TO CONNECT BY LOGAN CITY COUNCIL
2. RELEVANT TEST CERTIFICATES HAVE BEEN PROVIDED AND ACCEPTED BY LOGAN WATER.
3. PRE-CHLORINATED WATER FITTINGS SHALL BE USED FOR ALL DRINKING WATER LIVE WORKS CONNECTIONS.

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV2025/1610
Date: 22 August 2025
Queensland Government



ITEM	DETAIL 10 SCHEDULE OF FITTINGS	QTY
1	DN450 SP-SOC PIPE	1
2	DN450 FL-SP 2500 LONG PIPE	1
3	DN450 FL-FL VALVE WITH INTEGRAL BYPASS	2
4	DN450 FL-FL 600 LONG PIPE	1
5	DN450x450 DI FL-FL TEE	1
6	DN600x450 FL-FL REDUCER	2
7	DN600 FL-SP WITH CENTRAL THRUST FLANGE 3000 LONG	1
8	THRUST BLOCK. REFER SEQ-WAT-1206-1 FOR DETAILS	-
9	THRUST BLOCK. REFER SEQ-WAT-1205-1 FOR DETAILS	-

DETAIL 10 (DWG - 504)
SCALE 1:25 (A1)
SCALE 1:50 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	19.03.25	PM	JR	ORIGINAL ISSUE
B	21.05.25	BC	DH	DETAIL 8 ADDED
C	18.06.25	TR	JR	WATER ARRANGEMENT UPDATED
D	23.07.25	TR	JR	RFI RESPONSE

DRAWN: JR
STATUS: NOT FOR CONSTRUCTION
DESIGN: TR
APPROVED: DANIEL COLLINS RPEQ 18631 DATE 23.07.25
FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE: 1:25 0.25 0 0.25 0.5 0.75 1.0 1.25 A1; 1:50 A3

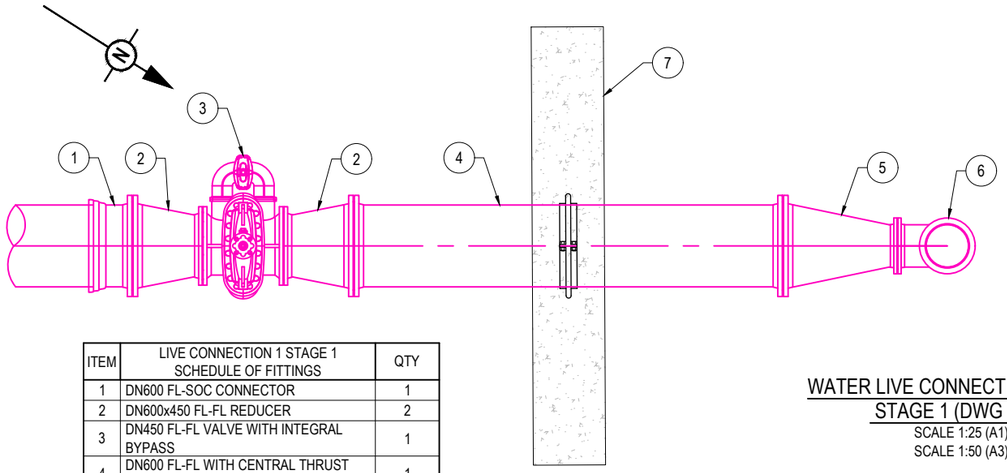
CLIENT: PEET FLAGSTONE CITY Pty. Ltd.
ASSOCIATED CONSULTANT: VERIS (07) 3666 4700

PROJECT NAME: FLAGSTONIAN DRIVE - TRUNK ROAD
FLAGSTONIAN DRIVE
FLAGSTONE

DRAWING TITLE: TRUNK WATER LIVE WORKS DETAILS SHEET 2 OF 4

PROJECT No.	DRAWING No.	REVISION
22-0450	502A	D

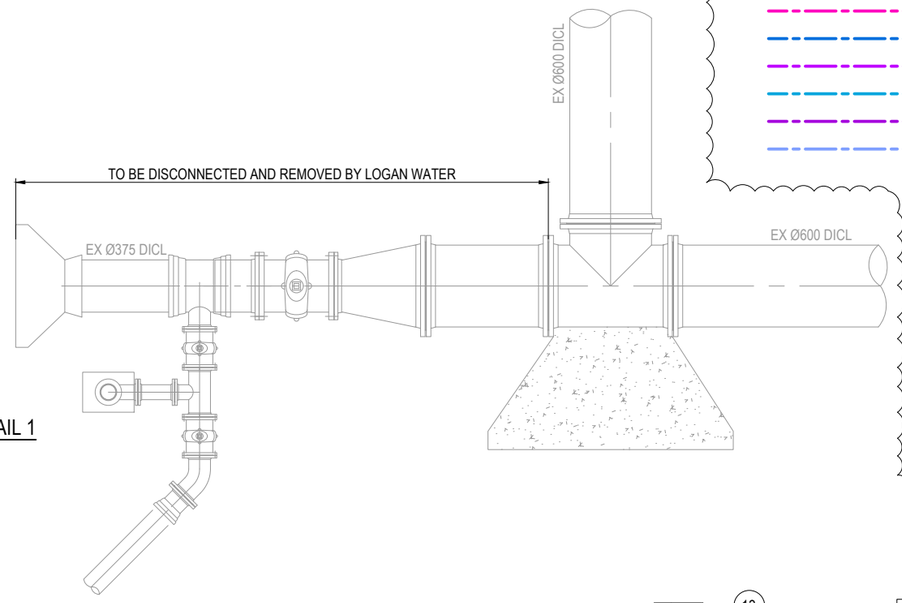
PLOT - 24 Jul 2025 09:11 AM LOCATION - C:\12dS_Work\Spaces\data\AUMEL\SDU\122-0450_1922\Design\Acad\22-0450-500-01 [WAT COVER].dwg



ITEM	LIVE CONNECTION 1 STAGE 1 SCHEDULE OF FITTINGS	QTY
1	DN600 FL-SOC CONNECTOR	1
2	DN600x450 FL-FL REDUCER	2
3	DN450 FL-FL VALVE WITH INTEGRAL BYPASS	1
4	DN600 FL-FL WITH CENTRAL THRUST FLANGE 3500 LONG	1
5	DN600x300 FL-FL ECCENTRIC REDUCER	1
6	DN300 SOC-FL DUCKFOOT HYDRANT	1
7	THRUST BLOCK. REFER SEQ-WAT-1205-1 FOR DETAILS	-

WATER LIVE CONNECTION DETAIL 1 STAGE 1 (DWG - 506)

SCALE 1:25 (A1)
SCALE 1:50 (A3)



LIVE WORKS BY LOGAN WATER 3.0m U.N.O - CONTRACTOR TO CONFIRM LENGTH ON SITE BEFORE COMMENCING WORKS

PROPOSED TRUNK WATER MAIN 600Ø

PROPOSED TRUNK WATER MAIN 450Ø

PROPOSED TRUNK WATER MAIN 375Ø

PROPOSED TRUNK WATER MAIN 250Ø

PROPOSED WATER MAIN 150Ø

PROPOSED WATER MAIN 100Ø

LIVE WORKS NOTES:

1. ALL LIVE WORKS SHALL BE UNDERTAKEN AS DEVELOPER DELIVERED WORKS UNDER THE SUPERVISION OF LOGAN WATERS PRIVATE WORKS DEPARTMENT FOLLOWING THE ISSUING OF AN AUTHORITY TO CONNECT BY LOGAN CITY COUNCIL
2. RELEVANT TEST CERTIFICATES HAVE BEEN PROVIDED AND ACCEPTED BY LOGAN WATER.
3. PRE-CHLORINATED WATER FITTINGS SHALL BE USED FOR ALL DRINKING WATER LIVE WORKS CONNECTIONS.

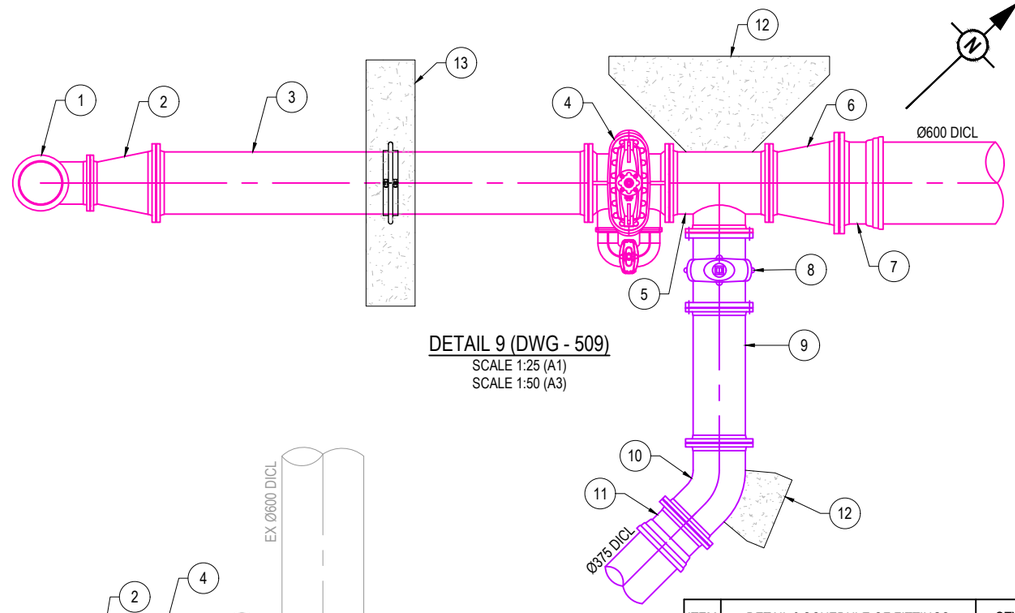
B

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2025/1610

Date: 22 August 2025

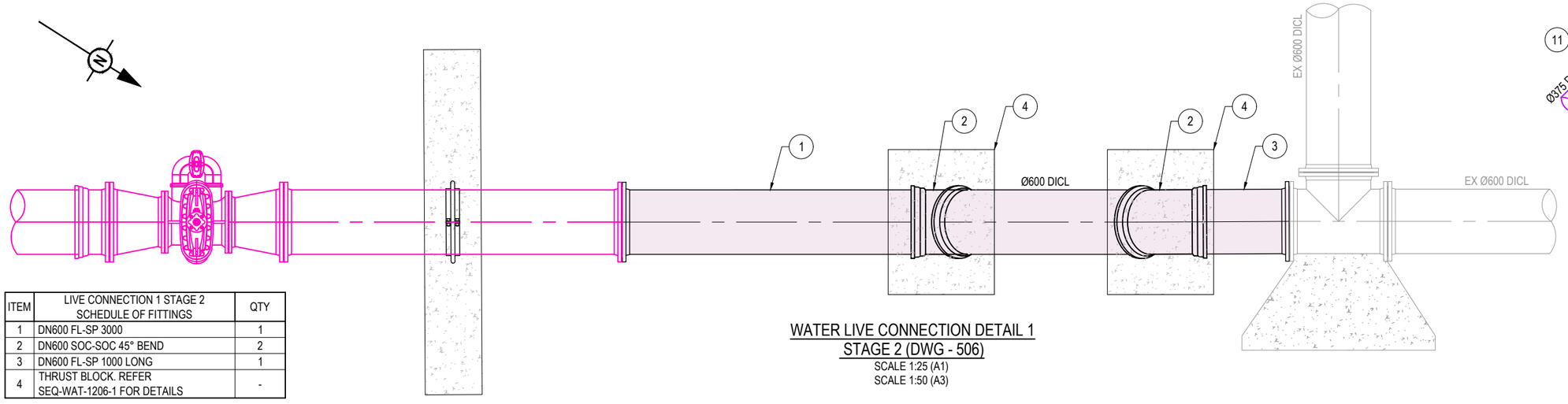
Queensland Government



DETAIL 9 (DWG - 509)

SCALE 1:25 (A1)
SCALE 1:50 (A3)

ITEM	DETAIL 9 SCHEDULE OF FITTINGS	QTY
1	DN300 FL-FL DUCKFOOT HYDRANT	1
2	DN450x300 FL-FL ECCENTRIC REDUCER	1
3	DN600 FL-FL WITH CENTRAL THRUST FLANGE 3500 LONG	1
4	DN450 FL-FL VALVE WITH INTEGRAL BYPASS	1
5	DN450x375 DI FL-FL TEE	1
6	DN600x450 FL-FL REDUCER	1
7	DN600 FL-SOC CONNECTOR	1
8	DN375 FL-FL VALVE	1
9	DN375 FL-FL 1100 LONG	1
10	DN375 FL-FL 45° BEND	1
11	DN375 FL-SOC CONNECTOR	1
12	THRUST BLOCK. REFER SEQ-WAT-1205-1 FOR DETAILS	-
13	THRUST BLOCK. REFER SEQ-WAT-1206-1 FOR DETAILS	-



ITEM	LIVE CONNECTION 1 STAGE 2 SCHEDULE OF FITTINGS	QTY
1	DN600 FL-SP 3000	1
2	DN600 SOC-SOC 45° BEND	2
3	DN600 FL-SP 1000 LONG	1
4	THRUST BLOCK. REFER SEQ-WAT-1206-1 FOR DETAILS	-

WATER LIVE CONNECTION DETAIL 1 STAGE 2 (DWG - 506)

SCALE 1:25 (A1)
SCALE 1:50 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	18.06.25	TR	JR	ORIGINAL ISSUE
B	23.07.25	TR	JR	RFI RESPONSE

DRAWN: JR

DESIGN: TR

STATUS: **NOT FOR CONSTRUCTION**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 23.07.25

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE: 1:25 0.25 0 0.25 0.5 0.75 1.0 1.25 A1; 1:50 A3

CLIENT: **PEET FLAGSTONE CITY Pty. Ltd.**

ASSOCIATED CONSULTANT: VERIS (07) 3666 4700

PROJECT NAME: **FLAGSTONIAN DRIVE - TRUNK ROAD**

FLAGSTONIAN DRIVE FLAGSTONE

DRAWING TITLE: **TRUNK WATER LIVE WORKS DETAILS SHEET 3 OF 4**

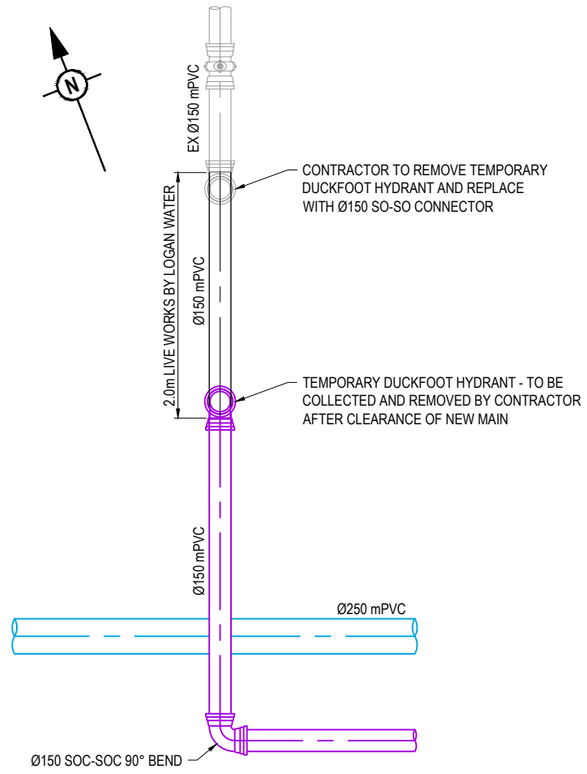
PROJECT No.	DRAWING No.	REVISION
22-0450	502B	B

PLOT: 24 Jul 2025 09:11 AM LOCATION: C:\12dS Work Space\data\AUMEL\SOL01\22-0450_ 19220\design\Acad\22-0450-500-01 [WAT COVER].dwg

LIVE WORKS BY LOGAN WATER 3.0m U.N.O - CONTRACTOR TO CONFIRM LENGTH ON SITE BEFORE COMMENCING WORKS

PROPOSED TRUNK WATER MAIN 250Ø

PROPOSED WATER MAIN 150Ø



WATER LIVE CONNECTION 12 DETAIL (DWG - 504)

SCALE 1:25 (A1)
SCALE 1:50 (A3)

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV2025/1610
Date: 22 August 2025
Queensland Government

LIVE WORKS NOTES:

1. ALL LIVE WORKS SHALL BE UNDERTAKEN AS DEVELOPER DELIVERED WORKS UNDER THE SUPERVISION OF LOGAN WATERS PRIVATE WORKS DEPARTMENT FOLLOWING THE ISSUING OF AN AUTHORITY TO CONNECT BY LOGAN CITY COUNCIL
2. RELEVANT TEST CERTIFICATES HAVE BEEN PROVIDED AND ACCEPTED BY LOGAN WATER.
3. PRE-CHLORINATED WATER FITTINGS SHALL BE USED FOR ALL DRINKING WATER LIVE WORKS CONNECTIONS.

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	23.07.25	TR	JR	RFI RESPONSE

DRAWN: JR
DESIGN: TR

STATUS: **NOT FOR CONSTRUCTION**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 23.07.25
FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE: 1:25 0.25 0 0.25 0.5 0.75 1.0 1.25 A1
1:50 A3

CLIENT: **PEET FLAGSTONE CITY Pty. Ltd.**

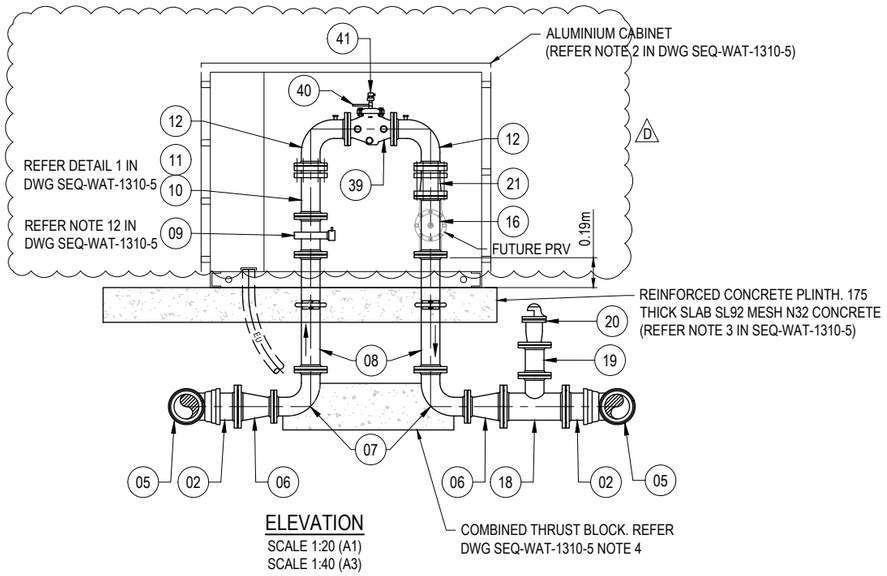
ASSOCIATED CONSULTANT: VERIS (07) 3666 4700

PROJECT NAME: **FLAGSTONIAN DRIVE - TRUNK ROAD**
FLAGSTONIAN DRIVE
FLAGSTONE

DRAWING TITLE: **TRUNK WATER LIVE WORKS DETAILS SHEET 4 OF 4**

PROJECT No.	DRAWING No.	REVISION
22-0450	502C	A

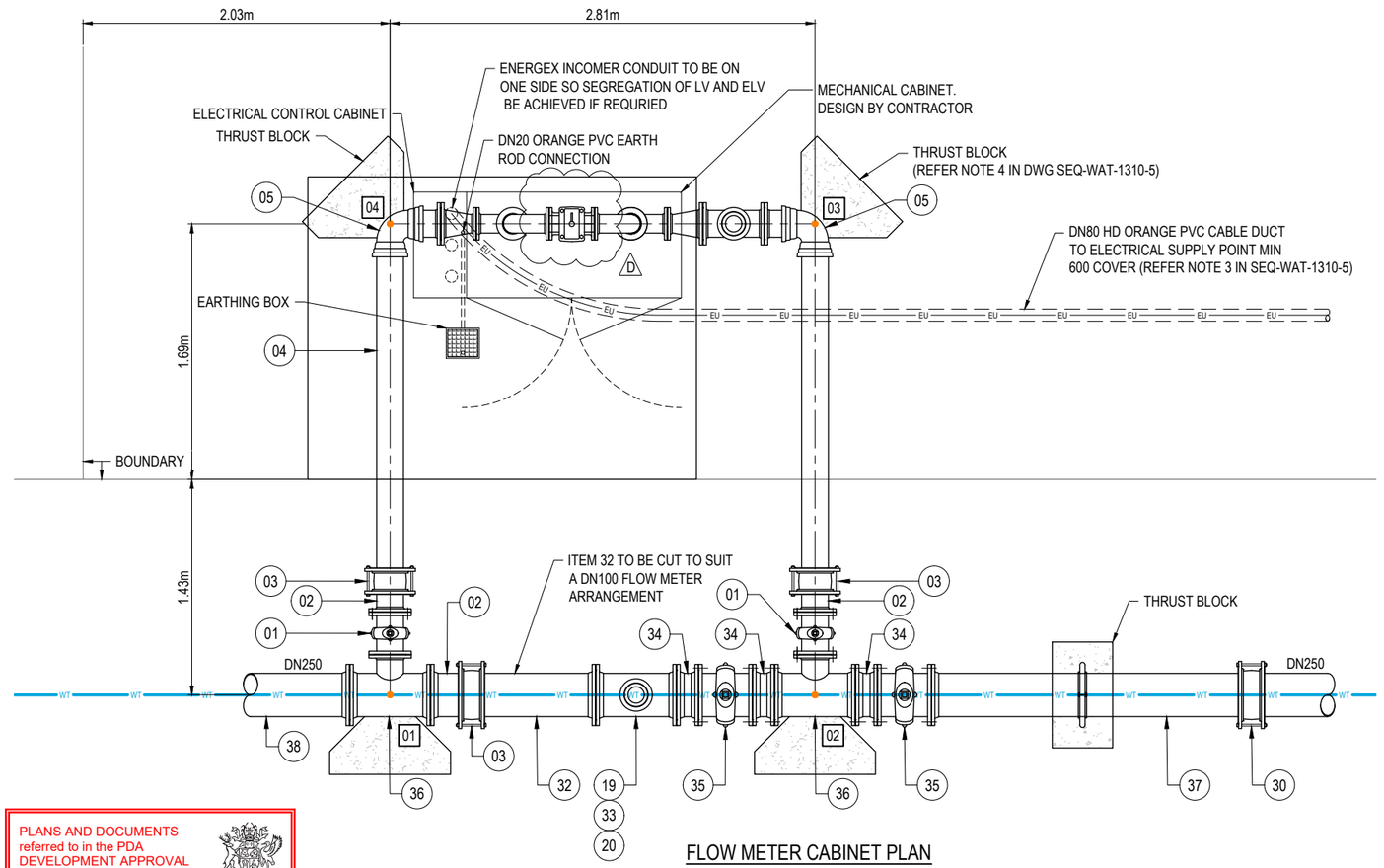
PLOT - 24 Jul 2025 09:11 AM LOCATION - C:\12&5 Work Space\data\AU\MEL\SGU\122-0450_1922\Design\Acad\22-0450-502-01 [WAT COVER].dwg



ELEVATION
SCALE 1:20 (A1)
SCALE 1:40 (A3)

TRUNK WATER SETOUT

NUMBER	EASTING	NORTHING
01	34162.814	74517.113
02	34165.437	74516.105
03	34166.553	74519.014
04	34163.930	74520.021



FLOW METER CABINET PLAN
SCALE 1:20 (A1)
SCALE 1:40 (A3)

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL
Approval no: DEV2025/1610
Date: 22 August 2025
Queensland Government

FITTINGS LIST

ITEM NO.	DESCRIPTION	SIZE DN100 PRV	MATERIAL	QTY
1	FL-FL SLUICE VALVE c/w EXTENSION SPINDLE AND SURFACE BOX	DN150	DIFBE	2
2	FL-SP CONNECTOR	DN150	DIFBE	5
3	VARI-GIB COUPLING	DN150	SS/DI	3
4	SP-SP PIPE (LENGTH TO SUIT SITE CONDITIONS)	DN150	DICL	2
5	SO-SO 90° BEND	DN150	DIFBE	2
6	FL-FL CONCENTRIC REDUCER	DN150xDN100	DIFBE	2
7	FL-FL 90° BEND	DN100	DIFBE	2
8	FL-FL PIPE 750mm LONG WITH THRUST FLANGE 400mm FROM ONE END (LENGTH TO SUIT SITE CONDITIONS)	DN100	DIFBE	2
9	KRONE OPTIFLUX 2050W W/ WALL MOUNTED IFC050 TRANSMITTER TO LOGAN WATER SPECIFICATION	DN100	DIFBE	1
10	FL-SP PIPE LENGTH TO SUIT (SEE DETAIL 1 IN DWG SEQ-WAT-1310-5)	DN100	DIFBE	1
11	DISMANTLING JOINT c/w 4 x M16 STUD BAR 400mm LONG	DN100	DIFBE	1
12	FL-FL 90° BEND C/W 1" FEMALE THREADED TAPPING WITH PLUG	DN100	DIFBE	2
16	FL-FL PIPE 385mm LONG	DN100	DIFBE	1
18	FL-FLxFL REDUCING TEE	DN150xDN100	DIFBE	1
19	FL-FL RISER PIPE 200mm LONG (LENGTH TO SUIT SITE CONDITIONS)	DN100	DIFBE	2
20	HYDRANT c/w SURFACE BOX (REFER NOTE 1)	DN100	DIFBE	2
21	THRUST TYPE DISMANTLING JOINT	DN100	DIFBE	1
30	VARI-GIB COUPLING	DN250	SS/DI	1
32	FL-SP PIPE 820 LONG (CUT TO SUIT ON SITE)	DN250	DICL	1
33	FL-FLxFL REDUCING TEE	DN250xDN100	DIFBE	1
34	PIPE FL-FL 150 LONG	DN250	DIFBE	3
35	FL-FL SLUICE VALVE c/w EXTENSION SPINDLE AND SURFACE BOX	DN250	DIFBE	2
36	FL-FLxFL TEE (REFER NOTE 16)	DN250xDN150	DIFBE	2
37	FL-SP PIPE 2000 LONG (CUT TO SUIT ON SITE) WITH THRUST FLANGE CENTRALLY LOCATED	DN250	DICL	1
38	FL-SOC 3000 LONG	DN250	DICL	1
39	CLA-VAL X43H STRAINER	DN100	DIFBE	1
40	ISOLATION BALL VALVE	TO SUIT	SS	1
41	ARI S50-B AUTO AIR RELEASE VALVE	TO SUIT	CI/NYLON	1

NOTES

1. FOR TYPICAL VALVE AND HYDRANT INSTALLATION DETAILS, REFER TO SEQ CODE DWG SEQ-WAT-1301-1 AND 1302-1 .
2. FOR CABINET CONSTRUCTION DETAILS, REFER TO SEQ CODE DWG SEQ-WAT-1310-8 to 10.
3. PVC ELECTRICAL CONDUITS TO BE TEMPORARILY CAPPED AT EACH END FOR ELECTRICAL CONNECTION.
4. FOR TYPICAL THRUST BLOCK DETAILS REFER TO SEQ CODE DWG SEQ-WAT-1205-1 AND SEQ-WAT-1206-1.
5. FOR CONSTRUCTION OF CABINET PLINTH DETAILS REFER TO SEQ CODE DWG SEQ-WAT-1310-7.
6. LOCATION OF CONCRETE PLINTH TO BE DETERMINED ON SITE BY THE ENGINEER.
7. DN80 ENERGEX SUPPLY CONDUIT SHALL CONFORM TO THE REQUIREMENTS OF THE ENERGEX UNDERGROUND DISTRIBUTION CONSTRUCTION CONDUIT TO CONNECT TO THE POWER POLE ON THE NON TRAFFIC SIDE.
8. CONDUIT LOCATION SHOWN ON THE SITE LAYOUT DRAWINGS ARE INDICATIVE ONLY AND WILL BE CONFIRMED ON SITE BY THE ENGINEER.
9. HEAVY DUTY PVC CONDUIT TO BE CAST INTO CONCRETE PLINTH.
10. ALL CONDUIT STUBS FITTED WITH END CAPS TO PREVENT INGRESS OF MOISTURE AND SOIL. SUB CONTRACTOR TO INSTALL DRAW WIRES IN POWER CONDUITS.
11. CABINET TELEMETRY SECTION TO BE CONSTRUCTED AS DETAILED ON INDIVIDUAL SITE DRAWINGS.
12. FLOW METER TO BE INSTALLED WITH EARTHING RINGS. SEQ CODE D&C STD DWG SEQ WAT-1309-3.
13. LOCATION, DEPTH, SIZE AND MATERIAL OF EXISTING MAINS TO BE CONFIRMED ON SITE PRIOR TO COMMENCEMENT OF CONSTRUCTION.
14. COMBI VALVE FITTINGS CAN BE USED IN PLACE OF A TEE AND VALVES WHERE FEASIBLE.
15. ALL ELECTRICAL AND TELEMETRY CONTROLS TO BE PROVIDED AS PART OF THE PRV INSTALLATION. REFER TO THE RELEVANT WATER AUTHORITY FOR ELECTRICAL AND TELEMETRY SPECIFICATIONS.
16. TELEMETRY TO INTEGRATED INTO WATER AUTHORITY SCADA BY APPROVED SUBCONTRACTOR.
17. ANTENNA IF REQUIRED TO BE AS PER SEQ-WAT-1310-7.
18. FOR INSTALLATIONS NOT IN ROAD RESERVES, INFRASTRUCTURE TO BE LOCATED ON FREEHOLD TITLE TO SEQ-SP.
19. MINIMUM OFFSETS TO PROPERTY BOUNDARIES TO BE 50MM FOR ALL INFRASTRUCTURE AND ANCILLARIES.
20. INSTALLATION LOCATION TO PROVIDE SUFFICIENT ACCESS FOR OPERATION & MAINTENANCE OF VALVES.
21. THE CURRENT ACCEPTABLE METER, PRV/CONTROLLER/LOGGER/ SENSOR SPECIFICATION SHALL BE CONFIRMED WITH THE RELEVANT SEQ-SP AT THE DESIGN STAGE.

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	19.03.25	PM	JR	ORIGINAL ISSUE
B	18.06.25	TR	JR	WATER ARRANGEMENT UPDATED
C	23.07.25	TR	JR	RFI RESPONSE

DRAWN: JR
DESIGN: TR
STATUS: NOT FOR CONSTRUCTION
APPROVED: DANIEL COLLINS RPEQ 18631
DATE: 23.07.25
FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE: 1:25 0.25 0 0.25 0.5 0.75 1.0 1.25 A1; 1:50 A3

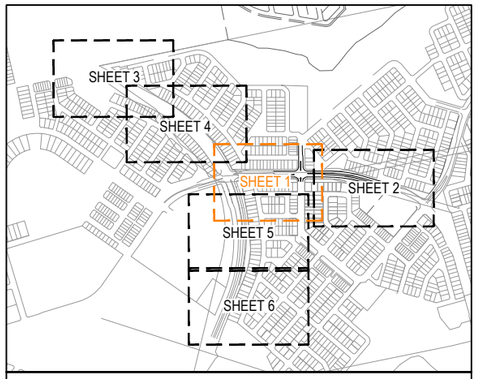
CLIENT: PEET FLAGSTONE CITY Pty. Ltd.
ASSOCIATED CONSULTANT: VERIS (07) 3666 4700

PROJECT NAME: FLAGSTONIAN DRIVE - TRUNK ROAD
FLAGSTONIAN DRIVE
FLAGSTONE

DRAWING TITLE: FLOW METER DETAIL

PROJECT No.	DRAWING No.	REVISION
22-0450	503	C

PLOT - 24 Jul 2025 09:12 AM LOCATION - C:\1265 Work Space\data\AUMEL\SOL01\22-0450_1922\Design\Acad\22-0450-500-01 [WAT COVER].dwg



KEY PLAN

SCALE 1:10000 (A1)
SCALE 1:20000 (A3)

NOTE:
THIS DESIGN PACKAGE SHOWS CONNECTIONS TO INFRASTRUCTURE THAT HAS NOT BEEN ACCEPTED 'ON MAINTENANCE' BY LOGAN WATER. LIVE WORKS CANNOT COMMENCE UNTIL THE PRECEDING WORKS HAVE BEEN ACCEPTED 'ON MAINTENANCE'.

NOTE:

- WATER MAINS MUST CROSS OVER SERVICES WITH MINIMUM COVER PER SEQ Cl. 7.4.2. AND CLEARANCES PER SEQ CODE TABLE 5.5.
- ALL VALVES TO BE FULLY RESTRAINED IN ACCORDANCE WITH THE SEQ CODE.
- MARKERS FOR PROPERTY SERVICES SHALL BE IN ACCORDANCE WITH SEQ-WAT-1106-1108. MARKERS FOR WATER MAIN CROSSINGS, HYDRANTS AND VALVES SHALL BE IN ACCORDANCE WITH SEQ-WAT-1300-1.
- ALL FITTINGS (HYDRANTS, VALVES, WATER SERVICE CONNECTIONS ETC) MUST BE INSTALLED ON STRAIGHT SECTIONS OF WATER MAIN.

WARNING! - EXISTING SERVICES

EXTREME CARE SHOULD BE TAKEN WHEN EXCAVATING IN THIS AREA. THE FOLLOWING EXISTING SERVICES ARE LIKELY TO BE PRESENT IN THE VICINITY OF THE SITE:

- ELECTRICAL CABLES
- TELECOMMUNICATIONS CABLES
- GAS MAINS
- WATER MAINS
- SEWER MAINS

THE CONTRACTOR SHOULD CONTACT THE SERVICE PROVIDER FOR FURTHER INFORMATION AND SATISFY THEMSELVES OF ANY SPECIFIC TREATMENT OR REQUIREMENTS.

NOTE:
△ = DEFLECTION TO BE ACHIEVED OVER MULTIPLE JOINTS

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV2025/1610
Date: 22 August 2025
Queensland Government

LEGEND

- PROPOSED AREA OF WORKS
- FUTURE LOT BOUNDARY
- PROPOSED TRUNK WATER MAIN 600Ø
- PROPOSED TRUNK WATER MAIN 450Ø
- PROPOSED TRUNK WATER MAIN 375Ø
- PROPOSED TRUNK WATER MAIN 250Ø
- PROPOSED WATER MAIN 150Ø
- PROPOSED WATER MAIN 100Ø
- EXISTING WATER MAIN
- EXISTING TRUNK WATER MAIN
- EXISTING WATER CONDUIT
- PROPOSED STORMWATER DRAINAGE PIPE
- EXISTING STORMWATER DRAINAGE PIPE
- PROPOSED DRAIN
- EXISTING SEWER MAIN
- EXISTING ELECTRICAL CABLE U/G
- EXISTING SURFACE CONTOURS

WATER FITTINGS LEGEND

PROPOSED:

- TEMPORARY FIRE HYDRANT
- FIRE HYDRANT
- AIR VALVE
- SCOUR VALVE AND ASSEMBLY
- ISOLATION VALVE
- DEAD END

EXISTING:

- FIRE HYDRANT
- ISOLATION VALVE
- DEAD END
- REDUCER
- WATER SERVICE POINT

REFER SHEET 4 FOR CONTINUATION

FUTURE STAGE 4 DEVELOPEMT

FUTURE STAGE 4 EXTENSION

VENT POLE

AV

600

0600 DICL PN35

LIMIT OF WORKS

TRUNK WATER MAIN LINE 2

R033R034B

LIVE WORKS CONNECTION No 5 (AFTER CLEARANCE ON NEW MAIN): REFER DETAIL ON DWG - 502

DN100 FLOW METER CABINET REFER DETAIL ON 22-0450-503

Ø250 VALVE
Ø150 VALVE
Ø250 VALVE
Ø250 VALVE

Ø150 DUCKFOOT HYDRANT

Ø150 - 90° (41.7kN)

2.275m
1.425m

Ø250 mPVC PN16
Ø150 mPVC PN16

Ø250 DICL PN35
Ø150 DICL PN35

Ø250 mPVC PN16
Ø250 VALVE
Ø250 VALVE
Ø150 x Ø150 TEE

FUTURE EXTENSION

FLAGSTONIAN DRIVE

6 502A
Ø600 x Ø300 TEE
Ø250 - 22.5° (30.1kN)

12 502C

POSSIBLE FUTURE 1200 DIA SEQ TRUNK WATER

TRUNK WATER MAIN LINE 3

10 502A
Ø450 VALVE WITH INTEGRAL BYPASS
Ø450 VALVE WITH INTEGRAL BYPASS

HJD 6.4° Δ

LIVE WORKS CONNECTION No 2 (AFTER CLEARANCE ON NEW MAIN): REFER DETAIL ON DWG - 502

Ø150 VALVE
150Ø - 45° (22.6kN)
150Ø - 22.5° (11.5kN)
150Ø - 11.25° (5.8kN)

TRUNK WATER MAIN LINE 6

CONSTRUCT TEMPORARY END ARRANGEMENTS IN ACCORDANCE WITH SEQ-WAT-1303-1

Ø300 DUCKFOOT HYDRANT

11 502B

EXISTING Ø375 DICL TRUNK WATERMAIN LOCATED BY SURVEY/ POTHOLING

Ø600 11.25° BEND (82.2kN)
HJD 5.23° Δ

EXISTING STAGE 5 DEVELOPMENT

2009
2010
2011
2133
2008
2007
2006
2005
2004
2003
2002
2001
2000
2289
2290
2291
2137

REFER SHEET 2 FOR CONTINUATION

REFER SHEET 5 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	23.08.24	PM	DH	ORIGINAL ISSUE
B	19.03.25	PM	JR	WATER ARRANGEMENT UPDATED
C	18.06.25	TR	JR	WATER ARRANGEMENT UPDATED
D	23.07.25	TR	JR	RFI RESPONSE

DRAWN: JR
DESIGN: TR
STATUS: NOT FOR CONSTRUCTION
APPROVED: DANIEL COLLINS RPEQ 18631 DATE 23.07.25
FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD.

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT: PEET FLAGSTONE CITY Pty. Ltd.

ASSOCIATED CONSULTANT: VERIS (07) 3666 4700

PROJECT NAME: FLAGSTONIAN DRIVE - TRUNK ROAD
FLAGSTONIAN DRIVE
FLAGSTONE

DRAWING TITLE: TRUNK WATER LAYOUT PLAN SHEET 1 OF 6

PROJECT No.	DRAWING No.	REVISION
22-0450	504	D

PLOT - 24 Jul 2025 09:12 AM LOCATION - C:\12&S Work Space\data\AUMEL\SQL\01\22-0450_18220\design\Acad\22-0450-500-02 (WAT).dwg

FUTURE
STAGE 4 DEVELOPEMT

ONNECTION No 5
ANCE ON NEW MAIN):
ON DWG - 502

2 x Ø250 11.25° BEND (15.1kN)

1.425m

Ø250 mPVC PN16

FLAGSTONIAN DRIVE

8
502A

Ø250 x Ø100 TEE
Ø100 VALVE

TRUNK WATER MAIN LINE 2

Ø100 DICL PN35

CONSTRUCT TEMPORARY END ARRANGEMENTS IN ACCORDANCE WITH SEQ-WAT-1303-1. FUTURE WATER METER TO BE A SMART METER AS PER LOGAN CITY COUNCIL REQUIREMENTS.

EXISTING STAGE 5
DEVELOPMENT

FUTURE
DEVELOPMENT

LIMIT OF WORKS

EX Ø250 mPVC PN16

LIVE WORKS CONNECTION 3
(AFTER CLEARANCE ON NEW MAIN)
REFER DETAIL ON DWG - 502

REFER 23-0189-300 SERIES FOR
EXISTING TRUNK WATER MAIN

R034

45.450
54.812
11.345

REFER SHEET 1 FOR CONTINUATION

SHEET 1
SHEET 2
SHEET 3
SHEET 4
SHEET 5
SHEET 6

KEY PLAN
SCALE 1:10000 (A1)
SCALE 1:20000 (A3)

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV2025/1610
Date: 22 August 2025
Queensland Government

WARNING! - EXISTING SERVICES

EXTREME CARE SHOULD BE TAKEN WHEN EXCAVATING IN THIS AREA. THE FOLLOWING EXISTING SERVICES ARE LIKELY TO BE PRESENT IN THE VICINITY OF THE SITE:

- ELECTRICAL CABLES
- TELECOMMUNICATIONS CABLES
- GAS MAINS
- WATER MAINS
- SEWER MAINS

THE CONTRACTOR SHOULD CONTACT THE SERVICE PROVIDER FOR FURTHER INFORMATION AND SATISFY THEMSELVES OF ANY SPECIFIC TREATMENT OR REQUIREMENTS.

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	23.08.24	PM	DH	ORIGINAL ISSUE
B	19.03.25	PM	JR	WATER ARRANGEMENT UPDATED
C	02.05.25	BC	DH	FUTURE CROSSING ADDED
D	20.05.25	BC	DH	AMENDED FUTURE CROSSING ALIGNMENT
E	23.07.25	TR	JR	RFI RESPONSE

DRAWN: JR
DESIGN: TR

STATUS: **NOT FOR CONSTRUCTION**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 23.07.25
FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT: **PEET FLAGSTONE CITY Pty. Ltd.**

ASSOCIATED CONSULTANT
VERIS
(07) 3666 4700

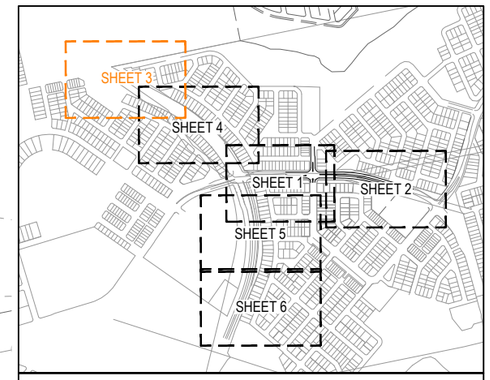
PROJECT NAME: **FLAGSTONIAN DRIVE - TRUNK ROAD**
FLAGSTONIAN DRIVE
FLAGSTONE

DRAWING TITLE: **TRUNK WATER LAYOUT PLAN SHEET 2 OF 6**

PROJECT No.	DRAWING No.	REVISION
22-0450	505	E

PLOT - 24 Jul 2025 09:12 AM LOCATION - C:\12d\S Work Space\data\AJMEL\SOL\0122-0450_ 9922\Design\Acad\22-0450-500-02[WAT].dwg

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL
Approval no: DEV2025/1610
Date: 22 August 2025
Queensland Government



KEY PLAN
SCALE 1:10000 (A1)
SCALE 1:20000 (A3)

EXISTING 600 DICL TRUNK WATERMAIN.
LOCATED BY RECORDS ONLY

LIVE WORKS CONNECTION 1
(AFTER CLEARANCE ON NEW MAIN)
REFER DETAIL ON DWG - 502B

EXISTING 375 DICL TRUNK WATERMAIN.
LOCATED BY RECORDS ONLY

POSSIBLE FUTURE 1200 DIA
SEQ TRUNK WATER

FUTURE EXTENSION 600 DICL
TRUNK WATERMAIN BY OTHERS

INVERT OF SWALE TO BE LOCATED CENTRALLY TO THE
ROCK PROTECTION AND BE FREE DRAINING

PLACED ROCK ARMOURING - 100-150mm ROCKS (300mm
THICK) ON FILTER CLOTH.
FINAL EXTENT ON SCOUR PROTECTION TO BE
ADJUSTED ON SITE TO MINIMISE EROSION

Ø600 45° BEND
(320kN) HJD 2.9°Δ

Ø600 45° BEND (320kN)
Ø450 VALVE WITH
INTEGRAL BYPASS
SV
C

Ø600 DICL PN35

FUTURE BOTTOM OF BATTER ULTIMATE
NEW BEITH ROAD DESIGN

TRUNK WATER MAIN LINE 4

FUTURE NEW BEITH ROAD

Ø600 90° BEND (593kN)
Ø600 11.25° BEND (82.2kN) HJD 4.59°Δ
Ø450 VALVE WITH INTEGRAL BYPASS
C

Ø300 DUCKFOOT HYDRANT
Ø450 VALVE WITH INTEGRAL BYPASS

7
502A

0.000

EXTENT OF PROPOSED
EARTHWORKS STAGE 4

TRUNK WATER MAIN LINE 3

EXISTING Ø375 DICL TRUNK
WATERMAIN LOCATED BY
SURVEY/ POTHOLING

FUTURE TRUNK SEWER

FUTURE
STAGE 4 DEVELOPEMT

FUTURE
CONTEXT AREA 3

NOTE:
△ = DEFLECTION TO BE
ACHIEVED OVER MULTIPLE JOINTS

WARNING! - EXISTING SERVICES

EXTREME CARE SHOULD BE TAKEN WHEN EXCAVATING IN THIS AREA. THE FOLLOWING EXISTING SERVICES ARE LIKELY TO BE PRESENT IN THE VICINITY OF THE SITE:

- ELECTRICAL CABLES
- TELECOMMUNICATIONS CABLES
- GAS MAINS
- WATER MAINS
- SEWER MAINS

THE CONTRACTOR SHOULD CONTACT THE SERVICE PROVIDER FOR FURTHER INFORMATION AND SATISFY THEMSELVES OF ANY SPECIFIC TREATMENT OR REQUIREMENTS.

REFER SHEET 4 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	19.03.25	PM	JR	ORIGINAL ISSUE
B	18.06.25	TR	JR	WATER ARRANGEMENT UPDATED
C	23.07.25	TR	JR	RFI RESPONSE

DRAWN: JR
DESIGN: TR

STATUS: NOT FOR CONSTRUCTION

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 23.07.25
FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT: PEET FLAGSTONE CITY Pty. Ltd.

ASSOCIATED CONSULTANT: VERIS (07) 3666 4700

PROJECT NAME: FLAGSTONIAN DRIVE - TRUNK ROAD
FLAGSTONIAN DRIVE
FLAGSTONE

DRAWING TITLE: TRUNK WATER LAYOUT PLAN SHEET 3 OF 6

PROJECT No.	DRAWING No.	REVISION
22-0450	506	C

PLOT: 24 Jul 2025 09:13 AM LOCATION: C:\12\5 Work\Spaces\Data\AUMELS\0\0122-0450_1922\Design\Acad\22-0450-500-022 (MAT).dwg

REFER SHEET 3 FOR CONTINUATION

TRUNK WATER MAIN LINE 3

950

900

850

800

750

700

650

600

2.000m

FUTURE NEW BEITH ROAD

Ø600 DICL PN35

EXISTING Ø375 DICL TRUNK WATERMAIN LOCATED BY SURVEY/ POTHOLING

POSSIBLE FUTURE 1200 DIA SEQ TRUNK WATER

FUTURE STAGE 4 DEVELOPEMT

FUTURE CONTEXT AREA 3

TRUNK WATER MAIN LINE 3

Ø600 11.25° BEND (82.2kN) HJD 3.66°Δ

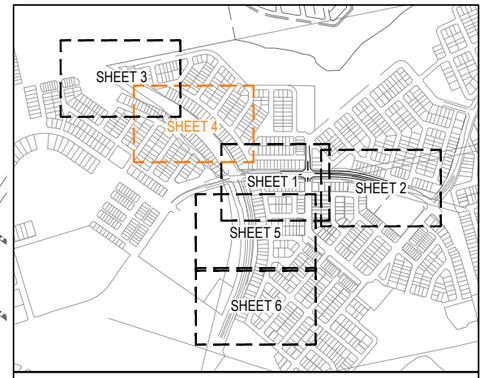
Ø600 11.25° BEND (82.2kN) HJD 3.7°Δ

VENT POLE

AV

Ø600 DICL PN35

REFER SHEET 1 FOR CONTINUATION



KEY PLAN
SCALE 1:10000 (A1)
SCALE 1:20000 (A3)

NOTE:
△ = DEFLECTION TO BE ACHIEVED OVER MULTIPLE JOINTS

WARNING! - EXISTING SERVICES

EXTREME CARE SHOULD BE TAKEN WHEN EXCAVATING IN THIS AREA. THE FOLLOWING EXISTING SERVICES ARE LIKELY TO BE PRESENT IN THE VICINITY OF THE SITE:

- ELECTRICAL CABLES
- TELECOMMUNICATIONS CABLES
- GAS MAINS
- WATER MAINS
- SEWER MAINS

THE CONTRACTOR SHOULD CONTACT THE SERVICE PROVIDER FOR FURTHER INFORMATION AND SATISFY THEMSELVES OF ANY SPECIFIC TREATMENT OR REQUIREMENTS.

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV2025/1610
Date: 22 August 2025
Queensland Government

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	19.03.25	PM	JR	ORIGINAL ISSUE
B	18.06.25	TR	JR	WATER ARRANGEMENT UPDATED
C	23.07.25	TR	JR	RFI RESPONSE

DRAWN: JR
DESIGN: TR

STATUS: **NOT FOR CONSTRUCTION**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 23.07.25
FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT: **PEET FLAGSTONE CITY Pty. Ltd.**

ASSOCIATED CONSULTANT: VERIS (07) 3666 4700

PROJECT NAME: **FLAGSTONIAN DRIVE - TRUNK ROAD**
FLAGSTONIAN DRIVE
FLAGSTONE

DRAWING TITLE: **TRUNK WATER LAYOUT PLAN SHEET 4 OF 6**

PROJECT No.	DRAWING No.	REVISION
22-0450	507	C

PLOT - 24 Jul 2025 09:13 AM LOCATION - C:\12dS_Work\Specialist\ai\AIMEL\SOL01\22-0450_ 19220\design\Acad\22-0450-500-02 [WAT].dwg

REFER SHEET 1 FOR CONTINUATION

FUTURE
CONTEXT AREA 3

EXISTING Ø375 DICL TRUNK WATERMAIN LOCATED BY SURVEY/ POTHOLING

POSSIBLE FUTURE 1200 DIA SEQ TRUNK WATER

TRUNK WATER MAIN LINE 3

HJD 4.27° Δ

Ø600 DICL PN35

2.000m

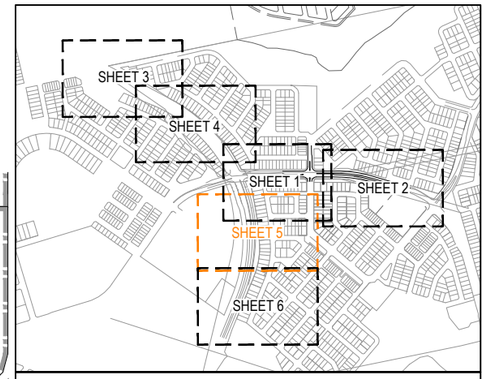
FUTURE NEW BEITH ROAD

EXISTING STAGE 5 DEVELOPMENT

400
350
300
250
200

2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030

2131 2132 2134 2135
2130 2129 2128 2127 2126
2125 2123 2122 2121 2120 2119 2142 2143
2115 2116 2117 2118 2148 2146 2145 2144
2114
2113 2112 2111 2110 2109
2106 2107 2108
2149 2150 2151 2152
2104 2103 2102 2099



KEY PLAN
SCALE 1:10000 (A1)
SCALE 1:20000 (A3)

NOTE:
Δ = DEFLECTION TO BE ACHIEVED OVER MULTIPLE JOINTS

WARNING! - EXISTING SERVICES

EXTREME CARE SHOULD BE TAKEN WHEN EXCAVATING IN THIS AREA. THE FOLLOWING EXISTING SERVICES ARE LIKELY TO BE PRESENT IN THE VICINITY OF THE SITE:

- ELECTRICAL CABLES
- TELECOMMUNICATIONS CABLES
- GAS MAINS
- WATER MAINS
- SEWER MAINS

THE CONTRACTOR SHOULD CONTACT THE SERVICE PROVIDER FOR FURTHER INFORMATION AND SATISFY THEMSELVES OF ANY SPECIFIC TREATMENT OR REQUIREMENTS.

REFER SHEET 6 FOR CONTINUATION

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2025/1610

Date: 22 August 2025

Queensland Government

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	19.03.25	PM	JR	ORIGINAL ISSUE
B	18.06.25	TR	JR	WATER ARRANGEMENT UPDATED
C	23.07.25	TR	JR	RFI RESPONSE

DRAWN: JR

DESIGN: TR

STATUS: NOT FOR CONSTRUCTION

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 23.07.25

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT: PEET FLAGSTONE CITY Pty. Ltd.

ASSOCIATED CONSULTANT: VERIS (07) 3666 4700

PROJECT NAME: FLAGSTONIAN DRIVE - TRUNK ROAD

FLAGSTONIAN DRIVE
FLAGSTONE

DRAWING TITLE: TRUNK WATER LAYOUT PLAN SHEET 5 OF 6

PROJECT No.	DRAWING No.	REVISION
22-0450	508	C

PLOT: 24 Jul 2025 09:13 AM LOCATION: C:\124S Work\Space\data\AUMELS0L0\122-0450_1922\Design\Acad\22-0450-500-022 [WAT].dwg

REFER SHEET 5 FOR CONTINUATION

FUTURE
CONTEXT AREA 3

EXISTING Ø375 DICL TRUNK WATERMAIN LOCATED BY SURVEY/ POTHOLING

POSSIBLE FUTURE 1200 DIA SEQ TRUNK WATER

FUTURE NEW BEITH ROAD

Ø600 DICL PM35

76.429

2.000m

9
502B

Ø375 45° BEND (130.9kN)
Ø450 VALVE WITH
INTEGRAL BYPASS

Ø375 45° BEND (130.9kN)
Ø375 11.25° BEND (33.5kN) HJD 2.35°Δ

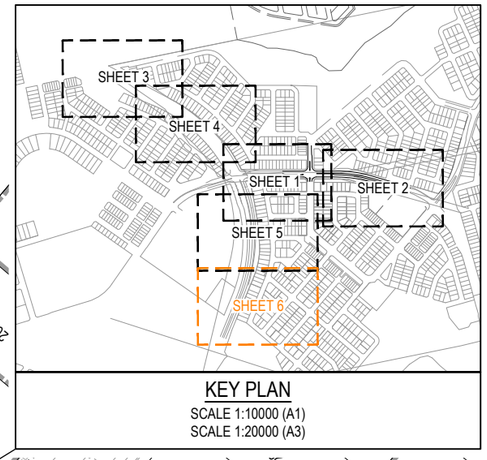
TRUNK WATER MAIN LINE 5

LIVE WORKS CONNECTION 4
(AFTER CLEARANCE ON NEW MAIN)
REFER DETAIL ON DWG - 502

EXISTING Ø375 DICL TRUNK
WATERMAIN LOCATED BY
SURVEY/ POTHOLING

EXISTING STAGE 5
DEVELOPMENT

ROAD 508



KEY PLAN
SCALE 1:10000 (A1)
SCALE 1:20000 (A3)

NOTE:
Δ = DEFLECTION TO BE ACHIEVED OVER MULTIPLE JOINTS

WARNING! - EXISTING SERVICES

EXTREME CARE SHOULD BE TAKEN WHEN EXCAVATING IN THIS AREA. THE FOLLOWING EXISTING SERVICES ARE LIKELY TO BE PRESENT IN THE VICINITY OF THE SITE:

- ELECTRICAL CABLES
- TELECOMMUNICATIONS CABLES
- GAS MAINS
- WATER MAINS
- SEWER MAINS

THE CONTRACTOR SHOULD CONTACT THE SERVICE PROVIDER FOR FURTHER INFORMATION AND SATISFY THEMSELVES OF ANY SPECIFIC TREATMENT OR REQUIREMENTS.

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2025/1610

Date: 22 August 2025

Queensland Government

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	19.03.25	PM	JR	ORIGINAL ISSUE
B	18.06.25	TR	JR	WATER ARRANGEMENT UPDATED
C	23.07.25	TR	JR	RFI RESPONSE

DRAWN: JR
DESIGN: TR

STATUS: NOT FOR CONSTRUCTION

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 23.07.25

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT: PEET FLAGSTONE CITY Pty. Ltd.

ASSOCIATED CONSULTANT: VERIS (07) 3666 4700

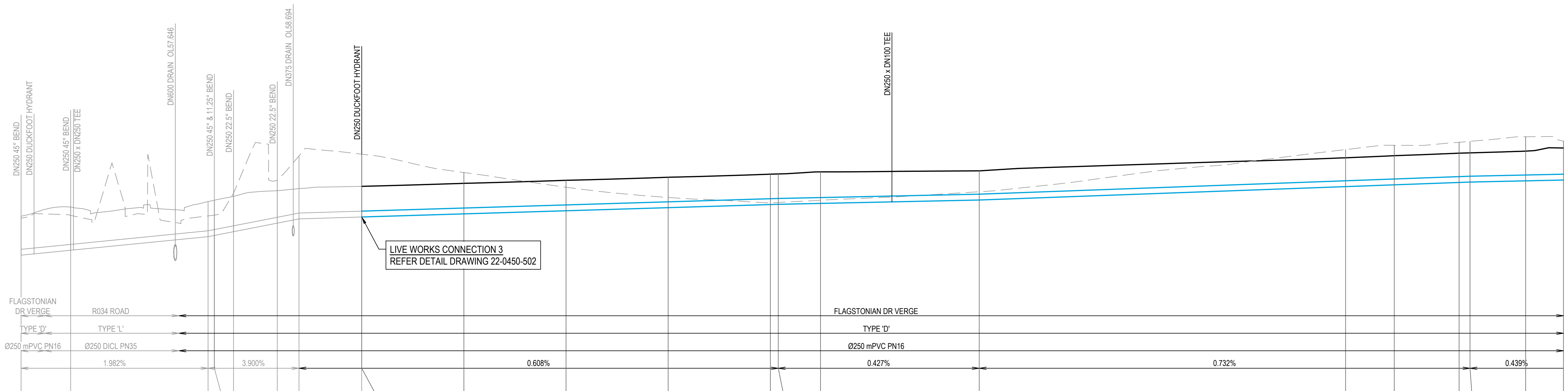
PROJECT NAME: FLAGSTONIAN DRIVE - TRUNK ROAD

FLAGSTONIAN DRIVE
FLAGSTONE

DRAWING TITLE: TRUNK WATER LAYOUT PLAN SHEET 6 OF 6

PROJECT No.	DRAWING No.	REVISION
22-0450	509	C

PLOT - 24 Jul 2025 09:13 AM LOCATION - C:\12x5 Work Space\data\AUMEL\SQL\0122-0450_ 9222\Design\Acad\22-0450-500-02 [WAT].dwg



CHAINAGES	0.000	10.600	40.000	41.345	45.450	54.812	59.464	72.873	72.881	94.735	116.590
DEPTH TO INVERT	1.667	1.853	1.499	1.505	1.509	1.387	1.301	1.312	1.312	1.308	1.304
PIPE INVERT LEVEL	57.840	58.050	58.633	58.685	58.845	59.210	59.392	59.473	59.473	59.606	59.739
DESIGN SURFACE	59.507	59.903	60.132	60.191	60.354	60.598	60.693	60.785	60.785	60.914	61.044

CHAINAGES	138.445	160.306	162.000	171.037	205.000	283.373	293.788	307.662	310.000	321.911	330.000
DEPTH TO INVERT	1.302	1.301	1.300	1.350	1.250	1.235	1.248	1.255	1.250	1.272	1.371
PIPE INVERT LEVEL	59.872	60.005	60.016	60.054	60.199	60.773	60.849	60.951	60.968	61.020	61.056
DESIGN SURFACE	61.174	61.306	61.316	61.404	61.449	62.008	62.097	62.205	62.218	62.292	62.427

TRUNK WATER MAIN 2

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	23.08.24	PM	DH	ORIGINAL ISSUE
B	19.03.25	PM	JR	WATER ARRANGEMENT UPDATED
C	02.05.25	BC	DH	FUTURE CROSSING ADDED
D	20.05.25	BC	DH	AMENDED FUTURE CROSSING ALIGNMENT
E	23.07.25	TR	JR	RFI RESPONSE

DRAWN: JR
DESIGN: TR

STATUS: **NOT FOR CONSTRUCTION**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE 23.07.25

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE: 1:500 / 1:1000 (A1 / A3) HORIZONTAL; 1:100 / 1:200 (A1 / A3) VERTICAL

CLIENT: **PEET FLAGSTONE CITY Pty. Ltd.**

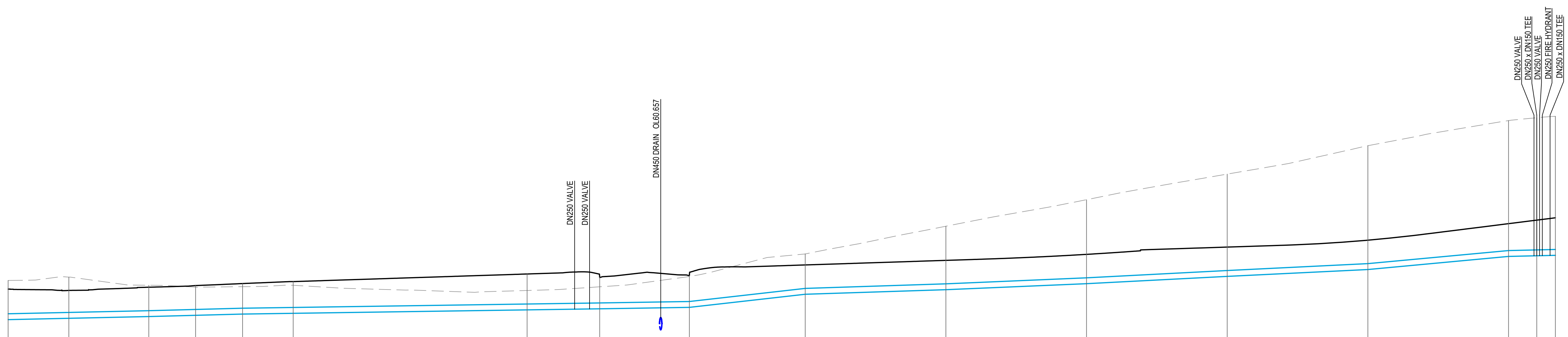
ASSOCIATED CONSULTANT: VERIS (07) 3666 4700

PROJECT NAME: **FLAGSTONIAN DRIVE - TRUNK ROAD**
FLAGSTONIAN DRIVE
FLAGSTONE

DRAWING TITLE: **TRUNK WATER LONGITUDINAL SECTIONS SHEET 1 OF 8**

PROJECT No. **22-0450** | DRAWING No. **510** | REVISION **E**

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV2025/1610
Date: 22 August 2025
Queensland Government



LOCATION: FLAGSTONIAN DR VERGE | R033R034B ROAD | FLAGSTONIAN DR VERGE
EMBEDMENT TYPE: TYPE 'D' | TYPE 'L' | TYPE 'D'
PIPE DIA AND CLASS: Ø250 mPVC PN16 | Ø250 DICL PN35 | Ø250 mPVC PN16
PIPE GRADE %: 0.439% | 0.532% | 0.294% | 0.318% | 2.260% | 0.650% | 0.853% | 1.035% | 0.980% | 1.858% | 0.470%
DATUM RL 55.0

DEPTH TO INVERT	1.302	1.190	1.250	1.268	1.300	1.352	1.529	1.350	1.350	1.250	1.250	1.250	1.250	1.250	1.397	1.519	1.600
PIPE INVERT LEVEL	61.056	61.112	61.187	61.240	61.294	61.326	61.472	61.518	61.579	62.137	62.332	62.588	62.899	63.193	63.750	63.778	63.797
DESIGN SURFACE	62.357	62.302	62.437	62.509	62.594	62.677	63.002	62.868	62.929	63.387	63.582	63.838	64.149	64.443	65.147	65.297	65.397
CHAINAGES	330.000	342.952	360.000	369.976	380.000	390.797	440.680	456.164	475.290	500.000	530.000	560.000	590.000	620.000	650.000	656.025	660.000

TRUNK WATER MAIN 2

PLOT - 24 Jul 2025 09:13 AM LOCATION - C:\12dS_WorkSpace\data\AUMELSQL01\22-0450_1922\Design\Acad\22-0450-500-02 [WAT].dwg

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	23.08.24	PM	DH	ORIGINAL ISSUE
B	19.03.25	PM	JR	WATER ARRANGEMENT UPDATED
C	18.06.25	TR	JR	WATER ARRANGEMENT UPDATED
D	23.07.25	TR	JR	RFI RESPONSE

DRAWN: JR
DESIGN: TR

STATUS: **NOT FOR CONSTRUCTION**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE 23.07.25
FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 / 1:1000 — 10 5 0 10 20 — A1 / A3 — HORIZONTAL
1:100 / 1:200 — 2 1 0 2 4 — A1 / A3 — VERTICAL

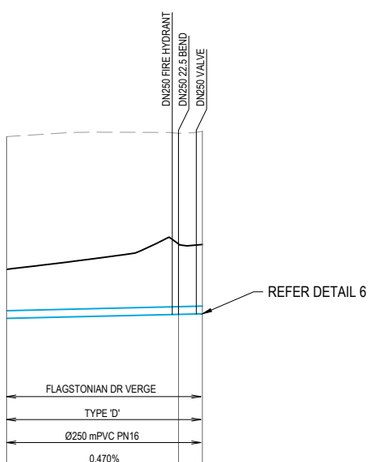
CLIENT: **PEET FLAGSTONE CITY Pty. Ltd.**

ASSOCIATED CONSULTANT: VERIS (07) 3666 4700

PROJECT NAME: **FLAGSTONIAN DRIVE - TRUNK ROAD**
FLAGSTONIAN DRIVE
FLAGSTONE

DRAWING TITLE: **TRUNK WATER LONGITUDINAL SECTIONS SHEET 2 OF 8**

PROJECT No.: **22-0450**
DRAWING No.: **511**
REVISION: **D**



LOCATION	FLAGSTONIAN DR VERGE			
EMBEDMENT TYPE	TYPE 'D'			
PIPE DIA AND CLASS	Ø250 mPVC PN16			
PIPE GRADE %	0.470%			
DATUM RL 58.0				
DEPTH TO INVERT	1.600	2.297	2.259	
PIPE INVERT LEVEL	63.797	63.929	63.947	
DESIGN SURFACE	65.397	66.225	66.206	
CHAINAGES	660.000	688.025	691.919	

TRUNK WATER MAIN 2

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV2025/1610
Date: 22 August 2025
Queensland Government

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	19.03.25	PM	JR	ORIGINAL ISSUE
B	18.06.25	TR	JR	WATER ARRANGEMENT UPDATED
C	23.07.25	TR	JR	RFI RESPONSE

DRAWN: JR
DESIGN: TR

STATUS: **NOT FOR CONSTRUCTION**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 23.07.25
FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3
HORIZONTAL
1:100 2 1 0 2 4 A1
1:200 A3
VERTICAL

CLIENT: **PEET FLAGSTONE CITY Pty. Ltd.**

ASSOCIATED CONSULTANT: VERIS (07) 3666 4700

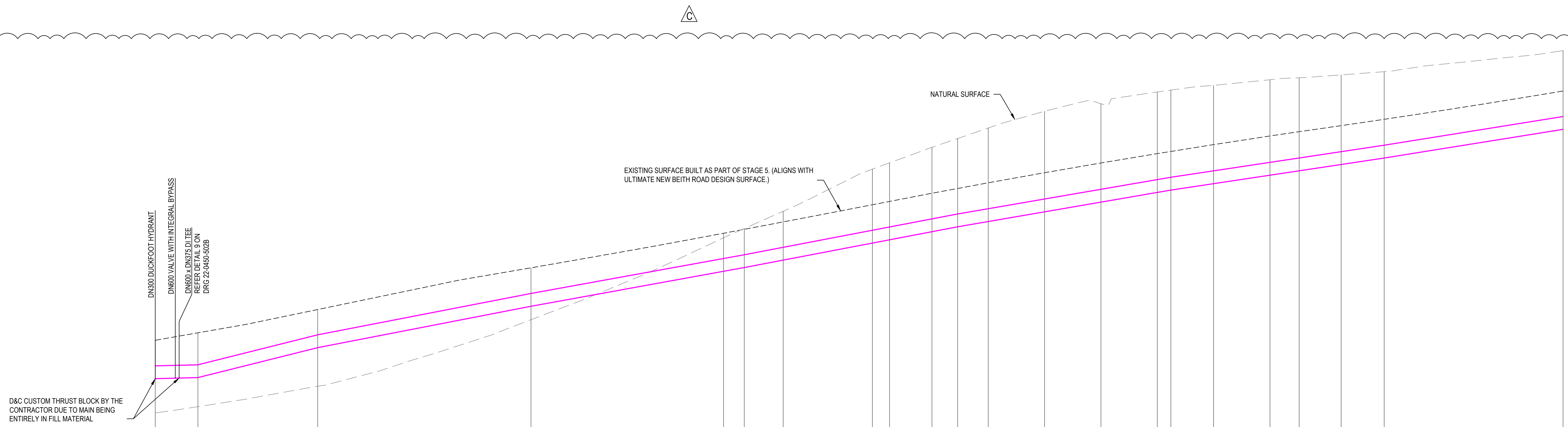
PROJECT NAME: **FLAGSTONIAN DRIVE - TRUNK ROAD**
FLAGSTONIAN DRIVE
FLAGSTONE

DRAWING TITLE: **TRUNK WATER LONGITUDINAL SECTIONS SHEET 3 OF 8**

PROJECT No.	DRAWING No.	REVISION
22-0450	512	C

PLOT - 24 Jul 2025 09:13 AM LOCATION - C:\12&S Work Space\data\AUMEL\SGL\01\22-0450_1922\Design\Acad\22-0450-500-02 [WAT].dwg

NOTE:
△ = DEFLECTION TO BE ACHIEVED OVER MULTIPLE JOINTS



LOCATION: NEW BEITH ROAD VERGE
EMBEDMENT TYPE: TYPE 'D'
PIPE DIA AND CLASS: Ø600 DICL PN35
PIPE GRADE %: 0.500% | 5.001% | 3.877% | 3.631% | 3.820% | 3.442% | 3.005% | 3.206%
DATUM RL 43.0

DEPTH TO INVERT	1.800	2.100	1.787	1.803	1.784	1.791	1.792	1.797
PIPE INVERT LEVEL	49.670	49.720	51.124	53.063	54.702	54.879	55.227	56.025
DESIGN SURFACE	51.470	51.820	52.911	54.866	56.486	56.670	57.019	57.823
CHAINAGES	0.000	10.000	38.076	88.076	133.218	138.076	147.197	168.103

DEPTH TO INVERT	1.798	1.803	1.795	1.816	1.834	1.836	1.820	1.811
PIPE INVERT LEVEL	56.179	56.559	56.788	57.036	57.490	57.945	58.400	58.510
DESIGN SURFACE	57.978	58.362	58.584	58.852	59.325	59.781	60.220	60.321
CHAINAGES	172.134	182.065	188.076	195.264	208.470	221.676	234.881	238.076

DEPTH TO INVERT	1.832	1.839	1.834	1.821	1.815	1.796
PIPE INVERT LEVEL	58.810	59.207	59.413	59.709	60.012	61.356
DESIGN SURFACE	60.642	61.046	61.247	61.530	61.827	63.152
CHAINAGES	248.087	261.299	268.150	277.985	288.076	330.000

TRUNK WATER MAIN 3

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	19.03.25	PM	JR	ORIGINAL ISSUE
B	18.06.25	TR	JR	WATER ARRANGEMENT UPDATED
C	23.07.25	TR	JR	RFI RESPONSE

DRAWN: JR
DESIGN: TR
STATUS: **NOT FOR CONSTRUCTION**
APPROVED: DANIEL COLLINS RPEQ 18631 DATE 23.07.25
FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 / 1:1000 — 10 5 0 10 20 — A1 / A3 — HORIZONTAL
1:100 / 1:200 — 2 1 0 2 4 — A1 / A3 — VERTICAL

CLIENT: **PEET FLAGSTONE CITY Pty. Ltd.**
ASSOCIATED CONSULTANT: VERIS (07) 3666 4700

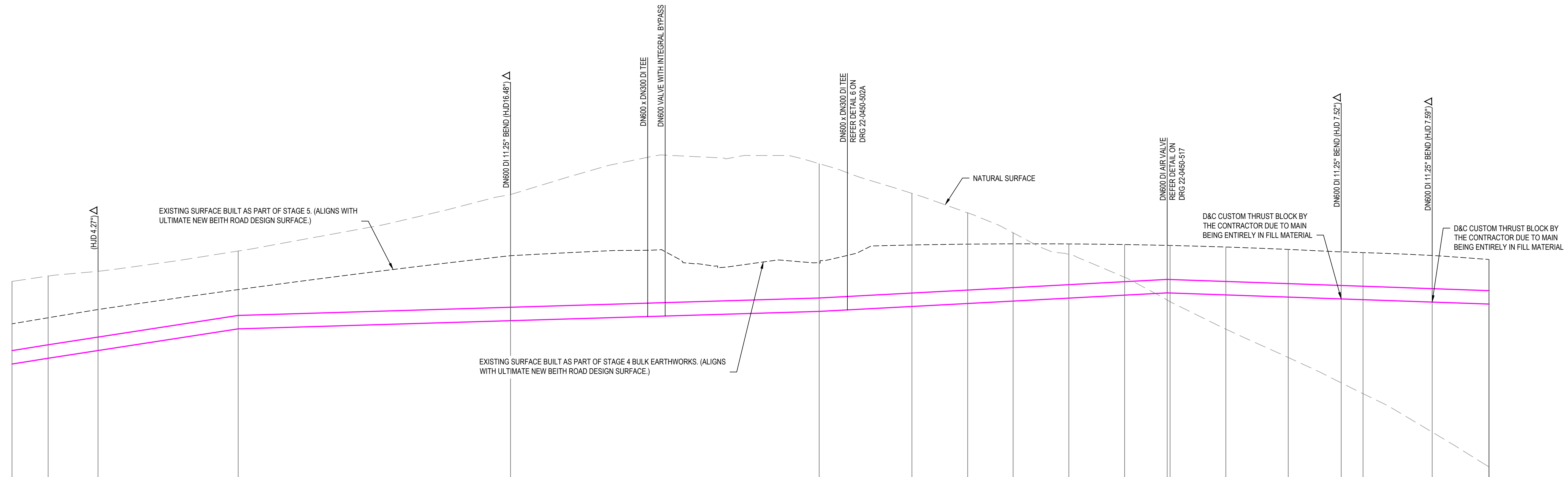
PROJECT NAME: **FLAGSTONIAN DRIVE - TRUNK ROAD**
FLAGSTONIAN DRIVE
FLAGSTONE

DRAWING TITLE: **TRUNK WATER LONGITUDINAL SECTIONS SHEET 4 OF 8**

PROJECT No.	DRAWING No.	REVISION
22-0450	513	C

NOTE:
△ = DEFLECTION TO BE ACHIEVED OVER MULTIPLE JOINTS

△C



LOCATION: NEW BEITH ROAD VERGE | FLAGSTONAIN DRIVE | NEW BEITH ROAD VERGE
EMBEDMENT TYPE: TYPE 'D' | TYPE 'L' | TYPE 'D'
PIPE DIA AND CLASS: Ø600 DICL PN35
PIPE GRADE %: 3.206% | 3.089% | 0.600% | 1.066% | -0.695%
DATUM RL 51.0

DEPTH TO INVERT	1.796	1.807	1.832	1.754	2.903	2.169	2.746	2.651	2.556	2.419
PIPE INVERT LEVEL	61.356	61.615	61.959	62.927	63.292	63.705	63.926	64.059	64.167	64.300
DESIGN SURFACE	63.152	63.422	63.791	64.681	66.194	65.874	66.672	66.710	66.723	66.719
CHAINAGES	330.000	338.076	349.222	380.536	441.371	510.318	531.040	543.495	553.652	566.107

DEPTH TO INVERT	2.259	2.120	2.122	2.138	2.128	2.102	2.103	2.080	1.991	1.991
PIPE INVERT LEVEL	64.433	64.534	64.530	64.443	64.346	64.264	64.230	64.122	64.035	64.034
DESIGN SURFACE	66.691	66.654	66.651	66.581	66.474	66.366	66.332	66.203	66.026	66.025
CHAINAGES	578.562	588.076	588.719	601.172	615.115	626.943	631.824	647.280	659.917	660.000

TRUNK WATER MAIN 3

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	19.03.25	PM	JR	ORIGINAL ISSUE
B	18.06.25	TR	JR	WATER ARRANGEMENT UPDATED
C	23.07.25	TR	JR	RFI RESPONSE

DRAWN: JR
DESIGN: TR

STATUS: **NOT FOR CONSTRUCTION**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE 23.07.25
FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 / 1:1000 (A1 / A3) HORIZONTAL: 10 5 0 10 20
1:100 / 1:200 (A1 / A3) VERTICAL: 2 1 0 2 4

CLIENT: **PEET FLAGSTONE CITY Pty. Ltd.**

ASSOCIATED CONSULTANT: VERIS (07) 3666 4700

PROJECT NAME: **FLAGSTONIAN DRIVE - TRUNK ROAD**
FLAGSTONIAN DRIVE
FLAGSTONE

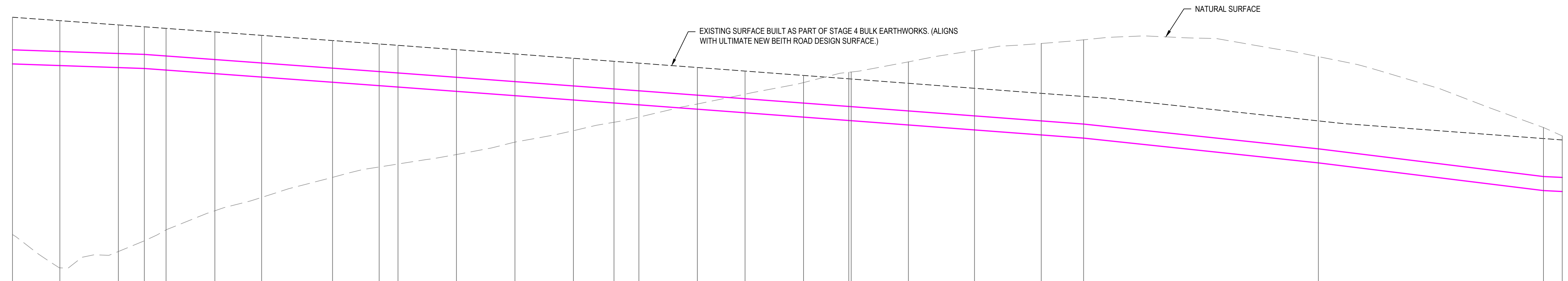
DRAWING TITLE: **TRUNK WATER LONGITUDINAL SECTIONS SHEET 5 OF 8**

PROJECT No. 22-0450 | DRAWING No. 514 | REVISION C

NOTE:
△ = DEFLECTION TO BE ACHIEVED OVER MULTIPLE JOINTS

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV2025/1610
Date: 22 August 2025
Queensland Government

△C



LOCATION: NEW BEITH ROAD VERGE
EMBEDMENT TYPE: TYPE 'D'
PIPE DIA AND CLASS: Ø600 DICL PN35
PIPE GRADE %: -0.695% | -1.464% | -1.479% | -1.494% | -1.504% | -2.112% | -2.465% | -0.963%
DATUM RL 50.0

DEPTH TO INVERT	1.991	1.915	1.820	1.777	1.778	1.779	1.779	1.779	1.777
PIPE INVERT LEVEL	64.034	63.964	63.877	63.839	63.771	63.619	63.473	63.252	63.107
DESIGN SURFACE	66.025	65.878	65.697	65.616	65.550	65.398	65.252	65.031	64.884
CHAINAGES	660.000	670.084	682.538	688.076	692.695	703.088	713.042	728.145	738.076

DEPTH TO INVERT	1.778	1.779	1.779	1.779	1.777	1.778	1.779	1.779	1.779
PIPE INVERT LEVEL	63.047	62.863	62.679	62.495	62.367	62.288	62.102	61.950	61.764
DESIGN SURFACE	64.826	64.642	64.458	64.274	64.144	64.066	63.881	63.729	63.543
CHAINAGES	742.089	754.537	766.986	779.434	788.076	793.381	805.831	815.985	828.439

DEPTH TO INVERT	1.778	1.778	1.778	1.777	1.776	1.776	1.791	2.219	2.198
PIPE INVERT LEVEL	61.620	61.613	61.429	61.218	61.004	60.868	59.812	58.631	58.592
DESIGN SURFACE	63.398	63.390	63.207	62.995	62.780	62.645	61.604	60.850	60.790
CHAINAGES	838.076	838.594	850.770	864.844	879.063	888.076	938.076	986.000	990.000

TRUNK WATER MAIN 3

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	19.03.25	PM	JR	ORIGINAL ISSUE
B	18.06.25	TR	JR	WATER ARRANGEMENT UPDATED
C	23.07.25	TR	JR	RFI RESPONSE

DRAWN: JR
DESIGN: TR
STATUS: **NOT FOR CONSTRUCTION**
APPROVED: DANIEL COLLINS RPEQ 18631 DATE 23.07.25
FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 / 1:1000 HORIZONTAL (10 5 0 10 20) A1 / A3
1:100 / 1:200 VERTICAL (2 1 0 2 4) A1 / A3

CLIENT: **PEET FLAGSTONE CITY Pty. Ltd.**
ASSOCIATED CONSULTANT: VERIS (07) 3666 4700

PROJECT NAME: **FLAGSTONIAN DRIVE - TRUNK ROAD**
FLAGSTONIAN DRIVE
FLAGSTONE

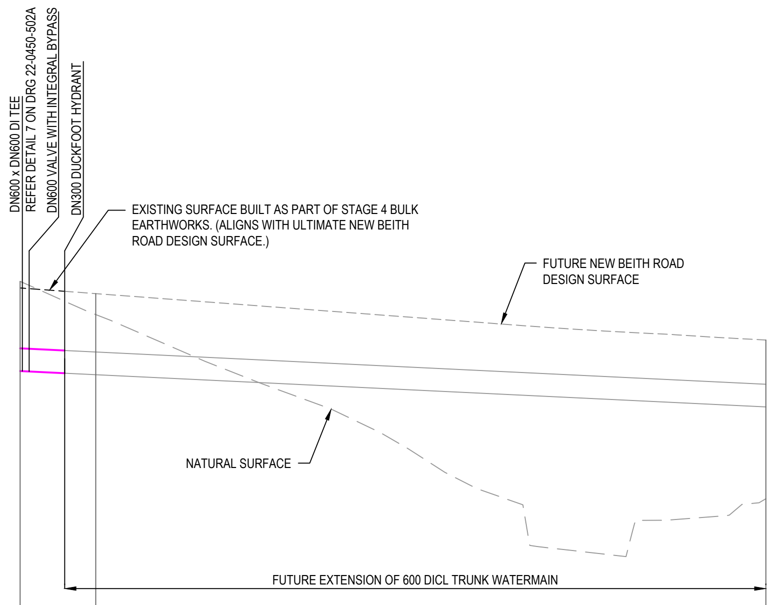
DRAWING TITLE: **TRUNK WATER LONGITUDINAL SECTIONS SHEET 6 OF 8**
PROJECT No. **22-0450** | DRAWING No. **515** | REVISION **C**

PLOT - 24 Jul 2025 09:13 AM LOCATION - C:\12dS_WorkSpace\data\AUMELSQL01\22-0450_1922\Design\Acad\22-0450-500-02 [WAT].dwg

NOTE:
△ = DEFLECTION TO BE ACHIEVED OVER MULTIPLE JOINTS

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV2025/1610
Date: 22 August 2025
Queensland Government

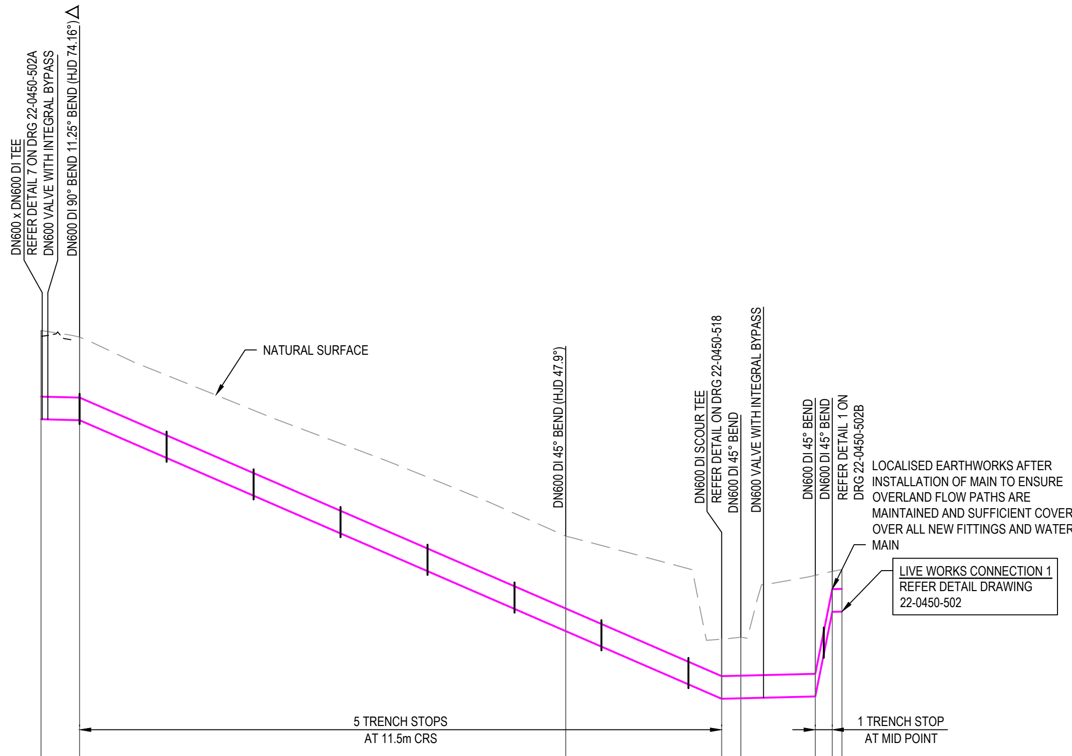
C



LOCATION: NEW BEITH ROAD VERGE
EMBEDMENT TYPE: TYPE 'D'
PIPE DIA AND CLASS: Ø600 DICL PN35
PIPE GRADE %: -0.963%
DATUM RL 48.0

DEPTH TO INVERT	2.198	2.144	1.771
PIPE INVERT LEVEL	58.592	58.496	57.643
DESIGN SURFACE	60.790	60.640	59.414
CHAINAGES	990.000	1000.000	1088.587

TRUNK WATER MAIN 3



LOCATION: NEW BEITH ROAD VERGE
EMBEDMENT TYPE: TYPE 'D' / CONCRETE ENCASED AS PER SEQ-WAT-1211-1 / TYPE 'D'
PIPE DIA AND CLASS: Ø600 DICL PN35
PIPE GRADE %: -0.500% / -8.687% / 0.500% / 100.000% / 0.500%
DATUM RL 46.0

DEPTH TO INVERT	2.350	2.200	2.518	1.578	1.617	3.207	1.070	1.116
PIPE INVERT LEVEL	58.590	58.564	52.981	51.190	51.202	51.252	53.492	53.498
DESIGN SURFACE	60.939	60.764	55.499	52.767	52.819	54.458	54.562	54.614
CHAINAGES	0.000	5.110	69.382	90.000	92.540	102.385	104.625	105.905

TRUNK WATER MAIN 4

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	19.03.25	PM	JR	ORIGINAL ISSUE
B	18.06.25	TR	JR	WATER ARRANGEMENT UPDATED
C	23.07.25	TR	JR	RFI RESPONSE

DRAWN: JR
DESIGN: TR
STATUS: NOT FOR CONSTRUCTION
APPROVED: DANIEL COLLINS RPEQ 18631 DATE 23.07.25
FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE: 1:500 A1 / 1:1000 A3 HORIZONTAL (10 5 0 10 20); 1:100 A1 / 1:200 A3 VERTICAL (2 1 0 2 4)

CLIENT: PEET FLAGSTONE CITY Pty. Ltd.
ASSOCIATED CONSULTANT: VERIS (07) 3666 4700

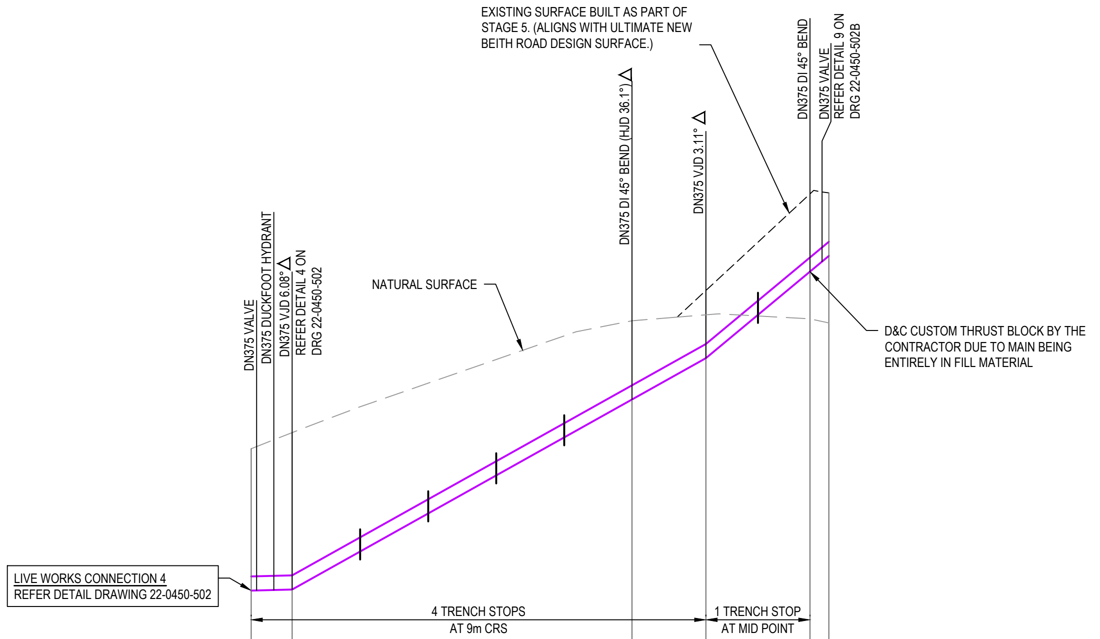
PROJECT NAME: FLAGSTONIAN DRIVE - TRUNK ROAD
FLAGSTONIAN DRIVE
FLAGSTONE

DRAWING TITLE: TRUNK WATER LONGITUDINAL SECTIONS SHEET 7 OF 8
PROJECT No. 22-0450
DRAWING No. 516
REVISION C

PLOT - 24 Jul 2025 09:13 AM LOCATION - C:\12dS_WorkSpace\data\AUMELSQL01\22-0450_1922\Design\Acad\22-0450-500-02 [WAT].dwg

NOTE:
△ = DEFLECTION TO BE ACHIEVED OVER MULTIPLE JOINTS

B

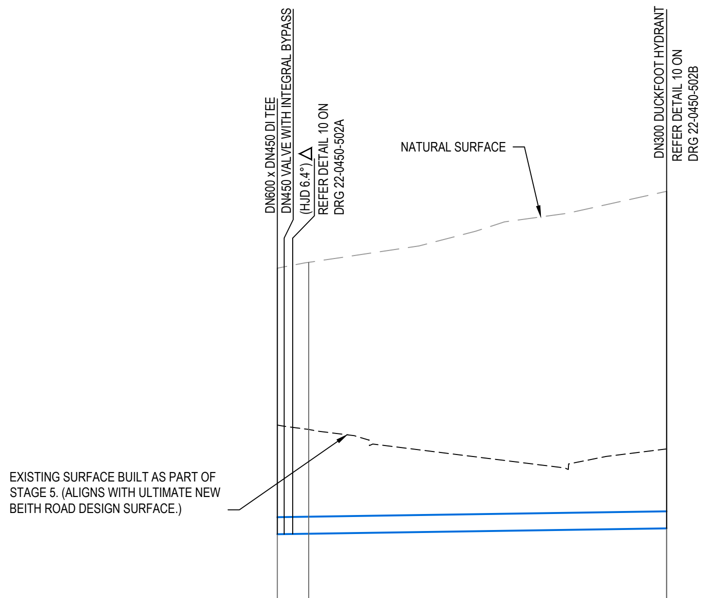


LOCATION	NEW BEITH ROAD VERGE
EMBEDMENT TYPE	TYPE 'D'
PIPE DIA AND CLASS	Ø375 DICL PN35
PIPE GRADE %	0.500% / 11.182% / 16.621%

DATUM RL 36.0

DEPTH TO INVERT	3.753	4.151	2.083	1.816	2.025	1.669
PIPE INVERT LEVEL	41.144	41.171	46.198	47.292	49.581	49.996
DESIGN SURFACE	44.897	45.323	48.281	49.108	51.606	51.666
CHAINAGES	0.000	5.420	50.376	60.156	73.929	76.429

TRUNK WATER MAIN 5



LOCATION	NEW BEITH ROAD VERGE / NEW BEITH ROAD / NEW BEITH ROAD VERGE
EMBEDMENT TYPE	TYPE 'D' / TYPE 'L' / TYPE 'D'
PIPE DIA AND CLASS	Ø450 DICL PN35
PIPE GRADE %	0.300%

DATUM RL 58.0

DEPTH TO INVERT	2.886	2.759	2.103	
PIPE INVERT LEVEL	63.550	63.562	63.704	
DESIGN SURFACE	66.436	66.322	65.807	65.807
CHAINAGES	0.000	4.155	51.455	51.466

TRUNK WATER MAIN 6

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV2025/1610
Date: 22 August 2025
Queensland Government

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	18.06.25	TR	JR	ORIGINAL ISSUE
B	23.07.25	TR	JR	RFI RESPONSE

DRAWN: JR
DESIGN: TR
STATUS: NOT FOR CONSTRUCTION
APPROVED: DANIEL COLLINS RPEQ 18631 DATE 23.07.25
FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 / 1:1000 — 10 5 0 10 20 — HORIZONTAL — A1 / A3
1:100 / 1:200 — 2 1 0 2 4 — VERTICAL — A1 / A3

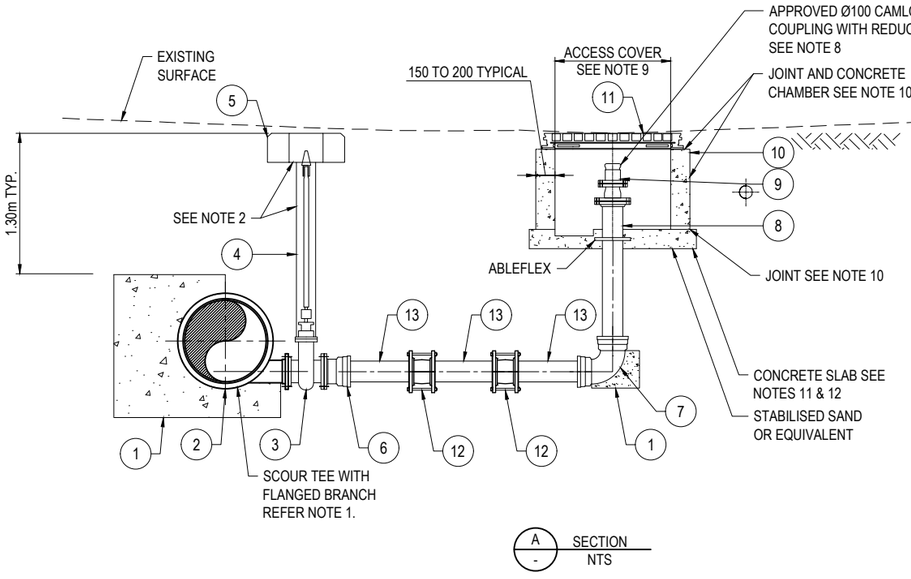
CLIENT: PEET FLAGSTONE CITY Pty. Ltd.
ASSOCIATED CONSULTANT: VERIS (07) 3666 4700

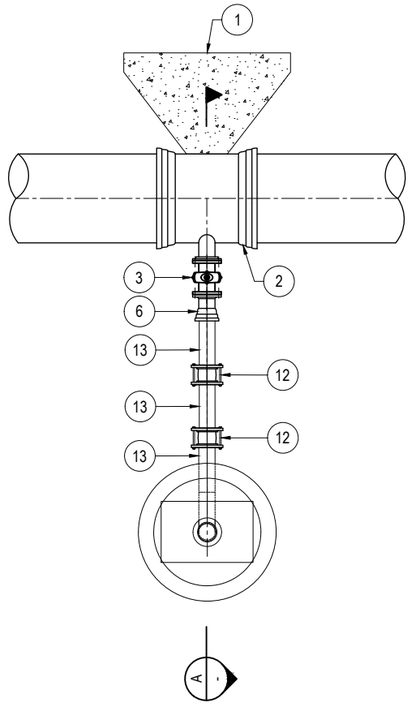
PROJECT NAME: FLAGSTONIAN DRIVE - TRUNK ROAD
FLAGSTONIAN DRIVE FLAGSTONE

DRAWING TITLE: TRUNK WATER LONGITUDINAL SECTIONS SHEET 8 OF 8
PROJECT No. 22-0450
DRAWING No. 516A
REVISION B

PLOT - 24 Jul 2025 09:13 AM LOCATION - C:\12dS_WorkSpace\data\AUMELSQL01\22-0450_1922\Design\Acad\22-0450-500-02 [WAT].dwg

C





SCOUR TANKERING VALVE TYPICAL DETAIL (DN600)
NTS

SCOUR NOTES

1. THE WATER MAIN DETAILS ON THIS DRAWING ARE OF NB200-NB600.
2. FOR SURFACE FITTING DETAILS REFER TO SEQ-WAT-1301-1.
3. PRECAST CHAMBER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SEQ-SEW-1300-1 TYPE P2.
4. GRADED DISCHARGE PIPE TO HAVE AT LEAST TWO RUBBER RING JOINTS, FOR DIFFERENTIAL SETTLEMENT.
5. FLAP VALVES TO BE MARINE GRADE ALUMINIUM OR GRP.
6. DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
7. ACCESS COVERS SHALL BE 900x600: CLASS "D".
   ACCESS COVERS FOR SCOUR CHAMBERS SHALL BE MARKED "SEWER".
8. PRECAST CHAMBERS MAY BE USED IN NON-TRAFFICABLE AREAS. JOINTS SHALL BE 20 TO 50 THICK FOR CEMENT MORTAR. ALTERNATIVELY, A 6 THICK BED OF BUTYL MASTIC MAY BE USED.
9. CONCRETE SLAB SHALL BE N20.
10. REINFORCING FABRIC FOR CONCRETE SLAB SHALL BE TO AS 1304. EQUIVALENT REINFORCEMENT IN DEFORMED BARS MAY BE USED.

SCOUR TANKERING PIPE AND FITTINGS SCHEDULE DN600

ITEM	NB200 DESCRIPTION	MATERIAL/CLASS	QTY
1	THRUST BLOCK AS PER SEQ STANDARD	CONCRETE N40	1
2	NB600x150 SOC-FL INVERT SCOUR REDUCING TEE	DI/PN16	1
3	DN150 FLANGED GATE VALVE	DI/PN16	1
4	SPINDLE RISER AS2638 COMPLIANT	CAST IRON HOT DIP GALVANISED	1
5	CAST IRON BOX & ACCESSORIES INCL. MARKER POST - VALVE	-	1
6	DN150 FL-SOC CONNECTOR	DI/PN16	1
7	DN150 SO-SO 90° BEND	DI/PN16	1
8	DN150 SP-FL CONNECTOR PIPE - LENGTH TO SUIT W/PUDDLE (THRUST) FLANGE	DI/PN16	1
9	DN100 CAMLOCK COUPLING WITH REDUCER	STAINLESS STEEL/316	1
10	DN1050 ACCESS CHAMBER	CONCRETE	1
11	ACCESS COVER 900x600 CLASS "D"	CAST IRON	1
12	DN150 GIBAULT	DI/PN16	2
13	DN150 SP-SP 600 LONG PIPE	DI/PN16	3

NOTE:

- ALL SCOUR PIPEWORK TO BE PE100 OR DI WITH ZN-AL (400g-m2) & EPOXY COATING.
- PE SLEEVING IS REQUIRED ON ALL DI PIPES UNLESS PIPE MANUFACTURER/SUPPLIER CAN GUARANTEE IT IS NOT NEEDED FOLLOWING COMPREHENSIVE SOIL TESTING AND RISK ASSESSMENT.

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV2025/1610
Date: 22 August 2025
Queensland Government

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	19.03.25	PM	JR	ORIGINAL ISSUE
B	18.06.25	TR	JR	WATER ARRANGEMENT UPDATED
C	23.07.25	TR	JR	RFI RESPONSE

DRAWN: JR
DESIGN: TR
STATUS: NOT FOR CONSTRUCTION
APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 23.07.25
FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

CLIENT: PEET FLAGSTONE CITY Pty. Ltd.
ASSOCIATED CONSULTANT: VERIS (07) 3666 4700

PROJECT NAME: FLAGSTONIAN DRIVE - TRUNK ROAD
FLAGSTONIAN DRIVE
FLAGSTONE

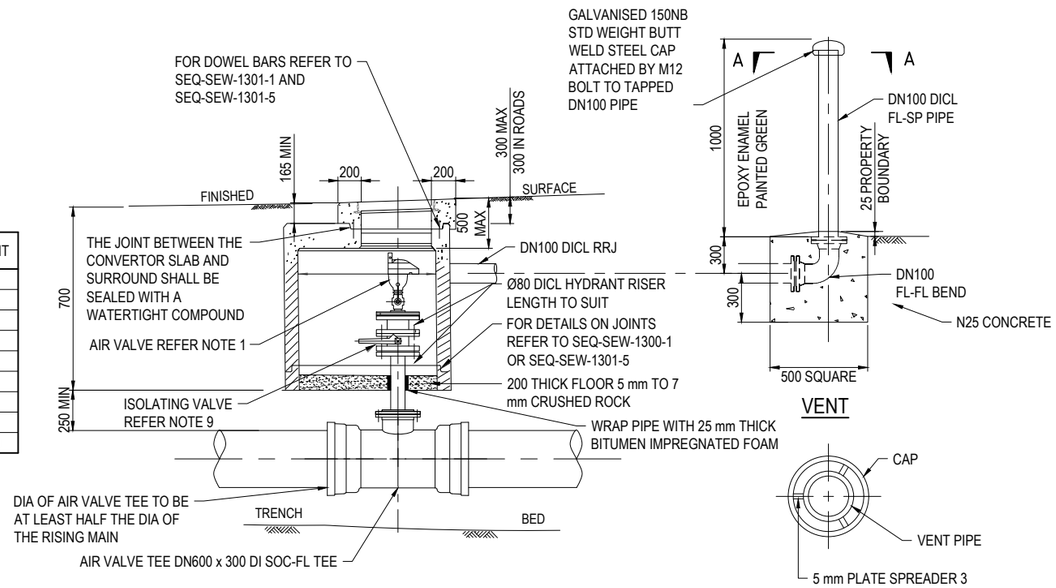
DRAWING TITLE: SCOUR VALVE DETAILS

PROJECT No.	DRAWING No.	REVISION
22-0450	517	C

PLOT - 24 Jul 2025 09:13 AM LOCATION - C:\12dS_Work\Spoon\data\AUMEL\SQL\0122-0450_ 19220\design\Acad\22-0450-500-02 [WAT].dwg

B

TYPE 2 FITTINGS TABLE	HEIGHT
COVER	165
CONCRETE	200
DN80 AIR VALVE	356
DN100 FL-FL PIPE LENGTH TO SUIT	100
DN100 FL-FL BUTTERFLY VALVE	114
DN100 FL-FL PIPE LENGTH TO SUIT	300
STAINLESS STEEL 316 FLANGE	50
DN600x300 SOC-FL TEE	835
TOTAL	2120



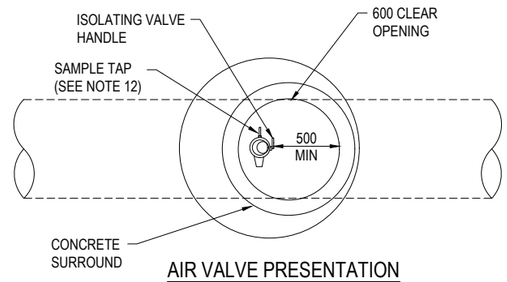
TYPE 2 - Ø80 AIR VALVE INSTALLATION (DN600 DICL)

VENT

SECTION A-A

AIR VALVE NOTES

1. AIR VALVES SHALL COMPLY WITH THE SEQ CODES SPECIFICATION.
2. THE FULL LENGTH OF THE DICL RISER PIPE INCLUDING FLANGES SHALL BE EPOXY COATED APPLIED IN ACCORDANCE WITH THE CODE.
3. ALL CONCRETE SHALL BE CLASS N25 IN ACCORDANCE WITH AS3600.
4. PROVIDE A FINE NON-SLIP SURFACE WITH A WOOD FLOAT TO THE TOP SURFACE OF ALL CONCRETE.
5. COMPACTED BEDDING MATERIAL SHALL BE BROUGHT UP TO THE UNDERSIDE OF THE AIR VALVE PIT.
6. AIR VALVES SHALL BE PLACED ON THE HIGH POINT OF ALL RISING MAINS.
7. VENT PIPE LOCATION SHALL BE IN ACCORDANCE WITH THE DESIGN PLACEMENT OR DETERMINED ON SITE BY THE SUPERINTENDENT.
8. ALL FLANGES SHALL BE IN ACCORDANCE WITH AS 4087 - FIG B5, UNLESS NOTED OTHERWISE ON THE JOB DRAWINGS.
9. BUTTERFLY VALVES SHALL BE LUGGED AND THREADED SIMILAR TO KEYSTONE FIG F22 TYPE OR EQUAL ALTERNATIVE ISOLATION VALVES AS SHOWN ARE ACCEPTABLE.
10. INSTALLATIONS SHOWN ARE FOR NON-TRAFFICABLE LOCATIONS. WHERE AGREED BY SEQ-SP, ALUMINIUM WATER PUMP STATION PIT LIDS MAY BE USED FOR VERGE OR ON-LOT LOCATIONS.
11. DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.



AIR VALVE PRESENTATION

AIR VALVE SIZING

DIAMETER	AIR VALVE*	SIZE
250 - 600	BERMAD C70	80mm

*OR DEMONSTRATED EQUIVALENT AIR VALVE

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV2025/1610
Date: 22 August 2025
Queensland Government

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	18.06.25	TR	JR	ORIGINAL ISSUE
B	23.07.25	TR	JR	RFI RESPONSE

DRAWN: JR
DESIGN: TR
STATUS: NOT FOR CONSTRUCTION
APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 23.07.25
FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE:

CLIENT: PEET FLAGSTONE CITY Pty. Ltd.

ASSOCIATED CONSULTANT: VERIS (07) 3666 4700

PROJECT NAME: FLAGSTONIAN DRIVE - TRUNK ROAD
FLAGSTONIAN DRIVE FLAGSTONE

DRAWING TITLE: AIR VALVE DETAILS

PROJECT No.	DRAWING No.	REVISION
22-0450	518	B

PLOT - 24 Jul 2025 09:13 AM LOCATION - C:\12d\S Work Space\data\AJMEL\SQL\0122-0450_1922\Design\Acad\22-0450-500-02 [WAT].dwg