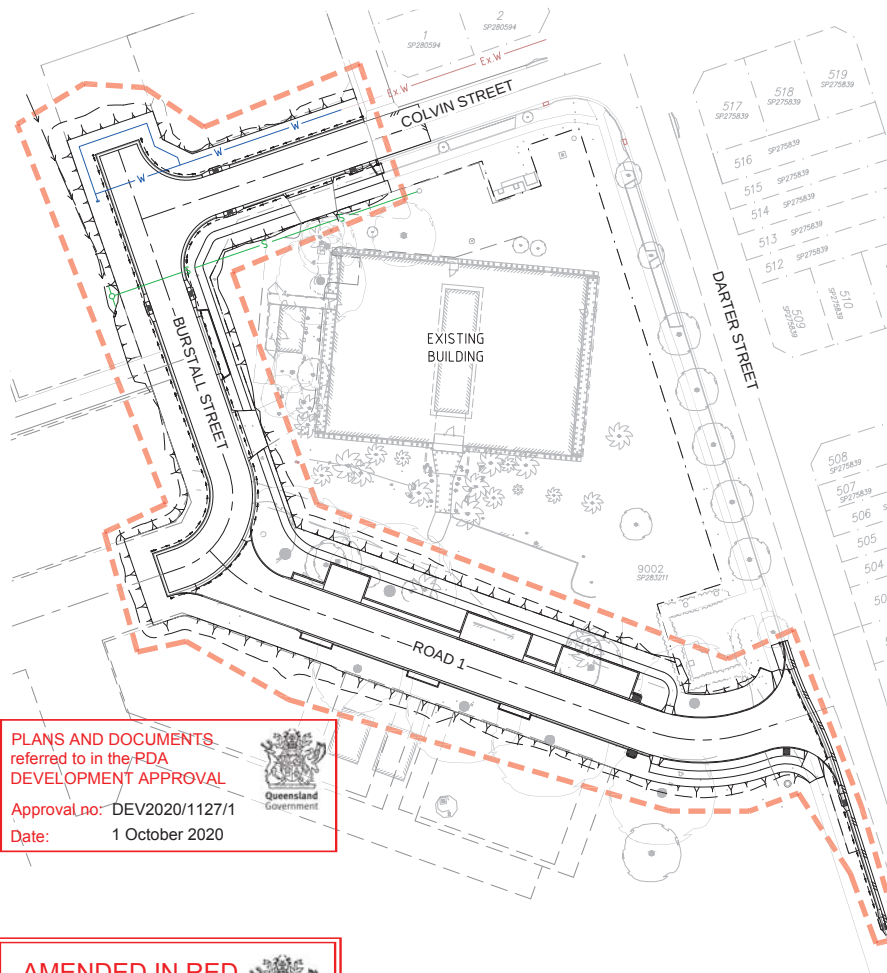




Oasis Townsville - External Works

for **BUILDING ASSET SERVICES**

BARCODE



SURVEY INFORMATION

SURVEYOR: RPS
PARISH OF: REFER SURVEY
COUNTY OF: REFER SURVEY
LOCAL AUTHORITY: TOWNSVILLE CITY COUNCIL

LOCATION: 20 DARTER STREET, OONONBA
LOT 902 ON SP283211

PSM No. 191466
LEVEL DATUM RL 4.596 AHD DERIVED

REFERENCE PLANS No. PR140819-1 Rev 001

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval No: DEV2020/1127/1

Date: 1 October 2020



AMENDED IN RED

By: Anita Torbey Fuller

Date: 30 September 2020



SITE LAYOUT PLAN
SCALE 1:500 @ A1

DRAWING LIST	
Sheet Number	Drawing Title
GENERAL ARRANGEMENT	
C00.01	FACE SHEET
C00.02	NOTES & LEGEND
C00.03	DEMOLITION PLAN
C00.04	GENERAL ARRANGEMENT LAYOUT PLAN
C00.05	SITE SECTIONS
C00.06	TYPICAL SECTION DETAILS
EARTHWORKS MANAGEMENT	
C01.01	EARTHWORKS MANAGEMENT LAYOUT PLAN
ROADWORKS PLAN	
C02.01	ROADWORKS MANAGEMENT LAYOUT PLAN
C02.02	INTERSECTION DETAIL (SHEET 1 OF 3)
C02.03	INTERSECTION DETAIL (SHEET 2 OF 3)
C02.04	INTERSECTION DETAIL (SHEET 3 OF 3)
C02.05	ROAD 1 LONGITUDINAL & CROSS SECTION
C02.06	BURSTALL STREET LONGITUDINAL & CROSS SECTIONS
C02.07	COLVIN STREET LONGITUDINAL & CROSS SECTIONS
STORMWATER DRAINAGE PLAN	
C03.01	STORMWATER DRAINAGE LAYOUT PLAN
C03.02	STORMWATER LONGITUDINAL SECTION PLAN (SHEET 1 OF 2)
C03.03	STORMWATER LONGITUDINAL SECTION PLAN (SHEET 2 OF 2)
C03.04	STORMWATER DATA TABLES
EROSION AND SEDIMENT CONTROL	
C06.01	SESC - CONSTRUCTION PHASE
C06.02	SESC - ON MAINTENANCE STORMWATER QUALITY
C06.03	SESC - DETAILS
MISCELLANEOUS DETAILS	
C06.05	MISCELLANEOUS DETAIL

C05.01 Services Reticulation Layout Plan
C05.02 Sewer Longitudinal Section Plan



LOCALITY MAP
NTS

FORM BPRS F301A

DRAWINGS INDEXING SYSTEM
FOR PROJECT SERVICES PLANS AND RECORDS USE ONLY

AMENDMENTS			
ISSUE	DATE	SUBJECT	AUTHORISED
1	21.02.20	FOR CONSTRUCTION	KEM



HJD	DRAWN	FEB 2019
KEM	DATE	FEB 2019
TJS	DISCIPLINE TEAM LEADER	FEB 2019
03321	AUTHORISED FOR ISSUE	FEB 2019



OASIS TOWNSVILLE - EXTERNAL WORKS

20 DARTER STREET, OONONBA

LOT 902 ON SP283211

FACE SHEET

SCALE		AT	
AS SHOWN		A1 SIZE	
MASTER SITE NUMBER		CLIENT REFERENCE NUMBER	
DRAWING NUMBER		ISSUE	
C00.01		1	

GENERAL

1. THE CONTRACTOR IS TO OBTAIN THE LOCATION OF ALL UNDERGROUND SERVICES AND UTILITIES AND PROVIDE ADEQUATE PROTECTION PRIOR TO WORKING IN THEIR VICINITY. ANY DAMAGES WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, TO THE REQUIREMENTS OF THE RELEVANT SERVICE AUTHORITY.
2. NEW WORKS SHALL BE JOINED NEATLY TO EXISTING WORKS. WHERE A JOINING METHOD IS NOT SPECIFIED ON THE DRAWINGS, THE CONTRACTOR SHALL MAKE ENQUIRIES WITH THE CONSULTANT ENGINEER BEFORE PROCEEDING.
3. ALL WORKS SHALL COMPLY WITH THE WORKPLACE HEALTH & SAFETY ACT & REGULATIONS.
4. ALL WORKS SHALL COMPLY WITH THE REQUIREMENTS, SPECIFICATIONS AND STANDARD DRAWINGS OF THE RELEVANT AUTHORITIES AND BE CONSTRUCTED ACCORDINGLY.
5. TEMPORARY WARNING SIGNS AND DEVICES SHALL BE ERECTED AND MAINTAINED AS REQUIRED, IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES ISSUED BY THE QUEENSLAND DEPARTMENT OF TRANSPORT AND MAIN ROADS.
6. ALL EXISTING SERVICES, STRUCTURES, FEATURES AND LEVELS SHOWN ON THE DRAWINGS HAVE BEEN OBTAINED BY THIRD PARTY SURVEY OR LOCAL AUTHORITY RECORDS. ANY DISCREPANCIES ARE TO BE REPORTED TO THE SUPERINTENDENT PRIOR TO THE COMMENCEMENT OF WORKS.
7. THE CONTRACTOR IS TO BE RESPONSIBLE FOR CONTACT WITH THE RELEVANT AUTHORITY FOR LOCATION OR MODIFICATION OF ANY EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF THE WORKS.
8. ALL FINISHED SURFACE LEVELS ARE TO BE GRADED UNIFORMLY BETWEEN SPOT LEVELS AS SHOWN ON THE DRAWINGS.

SITE PREPARATION & FILL MANAGEMENT

1. STRIP THE TOPSOIL LAYER TO THE EXTENT SHOWN ON THE DRAWINGS. STOCKPILE SUITABLE MATERIAL FOR LATER RE-USE. DISPOSE OF UNSUITABLE OR SURPLUS MATERIAL OFF-SITE AS DIRECTED.
2. REMOVE ALL STRUCTURES AND SERVICES MARKED FOR DEMOLITION AND DISPOSE OF OFF-SITE AS DIRECTED. DEMOLITION MATERIAL IS NOT TO BE USED AS FILL MATERIAL UNDER ANY CIRCUMSTANCES.
3. ALL EXPOSED SURFACES SHALL BE COMPACTED TO THE REQUIRED DENSITY.
4. ALL DISTURBED AREAS SUBSEQUENT TO DEMOLITION, TREE REMOVAL AND REMOVAL OF SERVICES SHALL BE REMEDIATED TO THE REQUIRED STANDARD.
5. ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL REPORT.
6. WHERE SOFT SPOTS ARE IDENTIFIED, PROVISIONALLY ALLOW TO REMOVE OFF SITE AND REPLACE TO A MINIMUM DEPTH OF 300mm OVER ENTIRE AREA, WITH SELECT IMPORTED FILL.
7. ALL FILL MATERIALS SHALL BE COMPACTED IN LAYERS NO GREATER THAN 200mm TO THE REQUIRED DENSITY. IN NO CASE SHALL THE COMPACTED DENSITY BE LESS THAN 98% S.R.D.D.
8. ALL EXCAVATIONS NECESSARY FOR THE REMOVAL OF VEGETATION OR BURIED SERVICES SHALL BE BACKFILLED WITH MATERIAL THAT IS SIMILAR TO THE RESIDUAL SOIL PROFILE AND COMPACTED AS ABOVE.
9. ALL EXPOSED SURFACES ARE TO BE ADEQUATELY PROTECTED AGAINST SOIL EROSION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL SOIL EROSION AND SEDIMENT CONTROL DEVICES ARE INSTALLED IN ACCORDANCE WITH "HEALTHY WATERS" GUIDELINES.

FLEXIBLE PAVEMENTS

1. ALL EXTERNAL WORK SHALL BE CONSTRUCTED STRICTLY IN ACCORDANCE WITH THE REQUIREMENTS OF THE RELEVANT AUTHORITY. ALL NECESSARY TESTING SHALL BE CARRIED OUT AT THE CONTRACTOR'S EXPENSE WITH COPIES OF TEST CERTIFICATES SUPPLIED TO THE SUPERINTENDENT.
2. PROVISIONAL PAVEMENT DESIGN IS BASED ON A MINIMUM SUB-GRADE CBR OF 5 UNDER SERVICE CONDITIONS. THE STATED PAVEMENT DESIGN IS SUBJECT TO REVISION ON THE BASIS OF CONFIRMATORY SOAKED CBR TESTS AT THE TIME OF BOXING.
3. BASE AND SUB-BASE MATERIAL SHALL NOT BE INSTALLED UNTIL A SATISFACTORY PROOF ROLL HAS BEEN CONDUCTED ON THE SUB-GRADE.
4. SEALING SHALL NOT TAKE PLACE UNTIL A SATISFACTORY PROOF ROLL AND INSPECTION HAS BEEN CARRIED OUT ON THE FINISHED SURFACE.

CONCRETE PAVEMENT DATA

1. PROVISIONAL PAVEMENT DESIGN IS BASED ON A MINIMUM SUBGRADE CBR UNDER SERVICE CONDITIONS OF 5. PAVEMENT DESIGN STATED HEREIN IS SUBJECT TO REVISION ON BASIS OF CONFIRMATORY SOAKED CBR TESTS AT TIME OF CONSTRUCTION.
2. EXCAVATE OR FILL AS NECESSARY BELOW DESIGN FINISH LEVELS. COMPACT SURFACE EXPOSED BY SURFACE STRIPPING AND BY EXCAVATION TO 100% STANDARD RELATIVE DRY DENSITY (SRDD) TO A DEPTH OF AT LEAST 250MM. COMPACT FILL TO 100% SRDD IN LAYERS OF THICKNESS APPROPRIATE TO THE COMPACTION PLANT EMPLOYED. ALL FILL SHALL BE CLASS 2 GRAVEL FILL WITH MINIMUM SOAKED CBR 10 AT 100% SRDD.
3. PLACE 100MM THICK CONCRETE PAVEMENT TO FOOTPATHS WITH THE FOLLOWING SPECIFICATION:
CONCRETE TYPE : N25 @ 28 DAYS.
MAXIMUM AGGREGATE SIZE : 20MM.
SLUMP MESH : 80 MM + 15MM.
MESH : SL72, 30 TOP COVER.
BEDDING : 50MM SAND OR APPROVED BEDDING
4. PLACE 150MM THICK CONCRETE PAVEMENT TO DRIVEWAYS WITH THE FOLLOWING SPECIFICATION:
CONCRETE TYPE : N32 @ 28 DAYS.
MAXIMUM AGGREGATE SIZE : 20MM.
SLUMP MESH : 80 MM + 15MM.
MESH : SL82, 40 TOP COVER.
BEDDING : 100MM SAND OR APPROVED BEDDING
5. PLACE 175MM THICK CONCRETE PAVEMENT TO CARPARKS AND DRIVEWAYS WITH THE FOLLOWING SPECIFICATIONS
CONCRETE TYPE : N32 @ 28 DAYS.
MAXIMUM AGGREGATE SIZE : 20MM.
SLUMP MESH : 20MM + 15MM.
MESH : SL82 40 TOP COVER
BEDDING : 150MM THR TYPE 2.3 BASE
6. CONSTRUCT CONCRETE PAVEMENT AFTER COMPLETION OF BUILDING CONSTRUCTION AND/OR KEEP ALL CONSTRUCTION TRAFFIC OFF PAVEMENT. IF CONSTRUCTION TRAFFIC IS TO USE PAVEMENT, PAVEMENT THICKNESS MUST BE INCREASED TO APPROVAL OF THE SUPERINTENDENT AT THE CONTRACTOR'S EXPENSE.

175mm concrete pavement to carparks and road pavement

STORMWATER DRAINAGE

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE HYDRAULICS DRAWINGS.
2. FOR STORMWATER LONG SECTIONS REFER STP DWG C03.02.
3. ROOF WATER DRAINAGE IS TO BE CONNECTED TO PITS OR PIPES AS SHOWN ON DRAWINGS IN ACCORDANCE WITH THE HYDRAULICS REQUIREMENTS.
4. ALL STORMWATER PIPES AND PITS ARE TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS AND RELEVANT AUSTRALIAN AND LOCAL AUTHORITY STANDARDS.
5. STORMWATER PITS ARE TO BE CONSTRUCTED IN SITU IN ACCORDANCE WITH DRAWINGS OR VARIED AS NOTED ON THE DRAWINGS. PREFABRICATED STORMWATER PITS MAY BE USED SUBJECT TO WRITTEN APPROVAL FROM THE SUPERINTENDENT. CLASS D HEAVY DUTY GALVANIZED STEEL GRATES ARE TO BE FITTED IN TRAFFIC AREAS, CLASS B LIGHT DUTY GALVANIZED STEEL GRATES ARE TO BE FITTED IN LANDSCAPED OR PEDESTRIAN AREAS UNLESS NOTED OTHERWISE. ALL GRATES TO COMPLY WITH AS3996 FOR BICYCLE & WHEELCHAIRS AND TO BE NON SLIP.

AMENDED IN RED

By: Anita Torbey Fuller

Date: 30 September 2020



WATER QUALITY MONITORING TABLE	
SEDIMENT AND SLUDGE TRAPPED TO BE INSPECTED	DAILY
NO OCCURRENCE OF GULLY EROSION OR EXCESSIVE SEDIMENT DEPOSITS	MONTHLY
NO RELEASE OF CONSTRUCTION MATERIAL AND SILTS	WEEKLY
INSPECTION OF SEDIMENT FENCES	WEEKLY / AFTER HEAVY RAIN EVENTS

EROSION CONTROL MEASURE TIMING TABLE

STRUCTURE NAME	TYPE	PROCEDURE/TIMING
CE1	CONSTRUCTION ENTRY/EXIT	● INSTALL PRIOR TO COMMENCING CLEARING ● REMOVE ON COMPLETION OF ALL EARTHWORKS
SF1	SEDIMENT FENCE	● INSTALL PRIOR TO COMMENCING CLEARING ● REMOVE AT ON-MAINTENANCE
SF1W1	SEDIMENT FENCE WEIR	● INSTALL PRIOR TO COMMENCING CLEARING ● REMOVE AT ON-MAINTENANCE
SF1W2	SEDIMENT FENCE WEIR	● INSTALL PRIOR TO COMMENCING CLEARING ● REMOVE AT ON-MAINTENANCE
SF1W3	SEDIMENT FENCE WEIR	● INSTALL PRIOR TO COMMENCING CLEARING ● REMOVE AT ON-MAINTENANCE

SEQUENCE OF ACTIONS TO BE UNDERTAKEN BY CONTRACTOR

1. SITE POSSESSION	- ERECTION OF BARRIER FENCING TO BUFFER AREAS AND DRAINAGE RESERVES AS DIRECTED BY SUPERINTENDENT - INSTALLATION OF CONSTRUCTION EXIT. - CONSTRUCT TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SUCH AS SILT FENCING AND DIVERSION BANKS.
2. CONSTRUCTION	- TOPSOIL TO BE STRIPPED AND STOCKPILED IN LOCATIONS AGREED WITH THE SUPERINTENDENT. A SEDIMENT FENCE IS TO BE CONSTRUCTED ON THE DOWNHILL SIDE OF THE STOCKPILE TO TRAP SEDIMENT. A DIVERSION DRAIN IS TO BE INSTALLED UPSTREAM OF THE STOCKPILE. - SEDIMENT CONTROL DEVICES REQUIRED TO BE REMOVED TO ALLOW CONSTRUCTION ACCESS ARE TO BE REINSTATED AT THE COMPLETION OF EACH WORKDAY. - MOVEMENT OF CONSTRUCTION EQUIPMENT SHALL BE LIMITED TO THE AREA OF WORK AND EXISTING ROADS. - DISTURBED AREAS ARE TO BE GRASSED FOLLOWING FINAL TRIMMING IN ACCORDANCE WITH DRAINING AREAS ARE TO BE DISTURBED AND RESTORED PROGRESSIVELY. - TURF STRIPS (1000MM WIDE) SHALL BE LAID TO THE BASE OF ALL DOWNSTREAM EARTHWORKS BATTERS STEEPER THAN 1 IN 4. BATTERS SHALL BE TOPSOILED AND GRASS SEEDS IMMEDIATELY UPON COMPLETION OF EARTHWORKS. - MULCH PILES ARE TO BE RESPREAD ONTO LANDSCAPED AREAS. - KERB SEDIMENT TRAPS ARE TO BE PROVIDED AT EACH DRAINAGE PIT ADJACENT DISTURBED AREAS.
3. MAINTENANCE	- REGULARLY CHECK CAPACITY OF EROSION CONTROL DEVICES ON A WEEKLY BASIS OR AFTER SIGNIFICANT RAIN EVENT.
GENERAL	- PLANS TO BE READ IN CONJUNCTION WITH STORMWATER QUALITY MANAGEMENT PLAN FOR THE SITE. - THE CONTRACTOR WILL BE RESPONSIBLE FOR THE MAINTENANCE OF EROSION AND SEDIMENT CONTROL DEVICES FROM THE POSSESSION OF THE SITE UNTIL THE SITE IS ACCEPTED BY THE LOCAL AUTHORITY "OFF MAINTENANCE" OR UNTIL STABILISATION HAS OCCURRED TO THE SATISFACTION OF THE SUPERINTENDENT. - ADDITIONAL CONTROL DEVICES MAY BE REQUIRED BY THE SUPERINTENDENT. - ALTERNATIVE DESIGNS ARE TO BE APPROVED BY THE SUPERINTENDENT PRIOR TO CONSTRUCTION.

DEVICE	CONSTRUCTION REQUIREMENTS	MAINTENANCE REQUIREMENTS
CONSTRUCTION EXITS - USED TO PREVENT THE TRACKING OF DEBRIS FROM TYRES OF VEHICLES ONTO PUBLIC ROAD.	- REFER TO DETAIL ON C06.03 - SURFACE WATER FLOWING TO THE CONSTRUCTION EXIT - SEDIMENT TRAP MUST BE PIPED UNDER THE TRAP OR A PERIMETER BANK SHOULD BE CONSTRUCTED TO DIRECT SURFACE FLOW AWAY FROM THE TRAP. - WASH-OFF TO BE DIRECTED TO A SEDIMENT TRAP OR BUFFER ZONE. - ONLY PROVIDE ONE CONSTRUCTION EXIT FOR THE SITE UNLESS SITE ACCESS OR TOPOGRAPHY REQUIRE MORE. - ENSURE THAT CONTAMINATED VEHICLES CANNOT BYPASS IT WHEN EXITING THE SITE.	- REMOVAL OF SEDIMENT AND/OR ADDING EXTRA AGGREGATE. - REMOVE SEDIMENT TRANSPORTED ONTO ROADWAYS, AND APPLY CORRECTIVE MEASURES TO ENSURE NO RE-OCCURRENCE. - EXTEND THE LENGTH OF THE GRAVEL PAD IF EXCESSIVE SEDIMENT IS STILL BEING TRANSPORTED OFF THE SITE.
ROCK CHECK DAMS - USED TO INTERCEPT CONCENTRATED FLOW.	- REFER TO DETAIL ON C06.03 - PROVIDE DOWNSTREAM OF ALL OUTLETS - AND AT 20M MAX ALONG OPEN CHANNELS AND AROUND FIELD INLETS. - SHOULD BE EMBEDDED AT LEAST 200MM INTO THE SOIL TO PREVENT WATER TUNNELLING BENEATH THEM. - ACCESS WILL BE REQUIRED FOR MAINTENANCE.	- EXCESSIVE SEDIMENT SHOULD BE REMOVED FROM UPSTREAM OF THE DAM. - THE UPSTREAM GRAVEL FILTER LAYER SHOULD BE REESTABLISHED WHEN SEDIMENT BEGINS TO FLOW THROUGH THE STRUCTURE OR WHEN PERMEABILITY IS EXCESSIVELY REDUCED.
SEDIMENT FENCES	- REFER TO DETAIL ON C06.03 - USED TO TEMPORARILY REDUCE THE VELOCITY OF CONTAMINATED SHEET FLOW AND TO INDUCE GRAVITATIONAL SETTLEMENT OF THE ENTRAINED SEDIMENT. - THE FENCE SHOULD BE SEGMENTED INTO A SERIES OF L SHAPED FENCES TO AVOID THE CONCENTRATION OF FLOW ALONG THE FENCE.	- REGULAR INSPECTIONS AND MAINTENANCE ARE REQUIRED TO REPAIR DAMAGE CAUSED BY ON-SITE VEHICLES OR THE MOVEMENT OF STOCKPILE MATERIAL. - INSPECT AFTER EACH STORM EVENT THAT RESULTS IN RUN-OFF. - REMOVE EXCESSIVE SEDIMENT DEPOSITS. - INVESTIGATE THE SOURCE OF EXCESSIVE SEDIMENT, AND APPLY REMEDIAL ACTION IMMEDIATELY. - IF THE FENCE IS REGULARLY DAMAGED, INSTALL A SECOND FENCE AT LEAST 1 METRE DOWNSLOPE OF THE EXISTING FENCE.

BARCODE

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2020/1127/1

Date: 1 October 2020



FORM BPRS F310A

DRAWINGS INDEXING SYSTEM FOR PROJECT SERVICES, PLANS AND RECORDS USE ONLY

AMENDMENTS			
ISSUE	DATE	SUBJECT	AUTHORISED
1	21.02.20	FOR CONSTRUCTION	KEM



Department of Housing and Public Works

HJD	FEB 2019
DRAWN	DATE
KEM	FEB 2019
DISCIPLINE TEAM LEADER	DATE
TJS	FEB 2019
03021	DATE
AUTHORISED FOR ISSUE	



STP Project No: 1778-2146

OASIS TOWNSVILLE - EXTERNAL WORKS
20 DARTER STREET, OONONBA
LOT 902 ON SP283211
NOTES & LEGEND

SCALE		AT	
NO SCALE		A1 SIZE	
MASTER SITE NUMBER		CLIENT REFERENCE NUMBER	
		18338	
DRAWING NUMBER		ISSUE	SHEET NO
C00.02		1	



BARCODE

NOTES

1. FOR OVERARCHING NOTES REFER TO C00.02

LEGEND:

- E — EXISTING UNDERGROUND ELECTRICITY
- Ex.S — EXISTING SEWER MAIN
- Ex.W — EXISTING WATERMAIN
- SWD — EXISTING STORMWATER DRAINAGE
- Ex.T — EXISTING UNDERGROUND TELECOMMUNICATIONS
- 13.0 — EXISTING CONTOUR (0.1m CONTOUR INTERVAL)
- — EXISTING LOT EASEMENT
- — EXISTING LOT BOUNDARY
- — EXISTING EDGE OF BITUMEN
- — EXISTING BUILDING
- — EXISTING SERVICES TO BE DEMOLISHED
- ⊗ EXISTING TREE TO BE REMOVED

HATCHING LEGEND

- — EXTENT OF EXISTING TO BE DEMOLISHED & DISPOSED OF OFF SITE

EXISTING WATERMAIN TO BE CONCRETE ENCASED IN ACCORDANCE WITH TCC STD DWG SD 340 B (TYPE J SUPPORT). WRITTEN APPROVAL FROM TCC REQUIRED PRIOR TO COMMENCEMENT OF WORKS

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2020/1127/1

Date: 1 October 2020



AMENDED IN RED

By: Anita Torbey Fuller

Date: 30 September 2020



EXISTING SERVICES

ALL EXISTING SERVICES ARE TO BE LOCATED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORKS

EXISTING LEVELS

THE CONTRACTOR IS TO VERIFY ALL LEVELS PRIOR TO COMMENCEMENT OF WORKS. ANY DISCREPANCIES TO BE REPORTED TO THE SITE SUPERINTENDENT FOR DIRECTION

LEVEL DATUM

PSM No. 191466
LEVEL DATUM RL 4.596 AHD DERIVED



FORM BPRS F310A

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1	21.02.20	FOR CONSTRUCTION		KEM
2	27.02.20	INSET A ADDED		KEM



HJD	FEB 2019
DRAWN	DATE
KEM	FEB 2019
DISCIPLINE TEAM LEADER	DATE
TJS	FEB 2019
03321	DATE
AUTHORISED FOR ISSUE	



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Mackay Ph: (07) 3519 8300
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OASIS TOWNSVILLE - EXTERNAL WORKS

20 DARTER STREET, OONONBA
LOT 902 ON SP283211
DEMOLITION PLAN

SCALE		AT	
AS SHOWN		A1 SIZE	
MASTER SITE NUMBER		CLIENT REFERENCE NUMBER	
		18338	
DRAWING NUMBER		ISSUE	SHEET NO
C00.03		2	



EXTEND DRAINAGE TO THIS LOT TO PREVENT PONDING OF STORMWATER FROM EXTENSION OF COLVIN STREET

EXTEND CARPARKING BAY WITH 175MM THICK N32 CONCRETE

ALL DRIVEWAYS TO BE 150MM THICK N32 CONCRETE
ALL CARPARKING BAYS AND ROAD PAVEMENT TO BE 175MM THICK N32 CONCRETE
ALL FOOTPATHS TO BE 100MM THICK N25 CONCRETE
ALL CONCRETE WORKS TO BE IN ACCORDANCE WITH TCC STANDARDS

PROVIDE MINIMUM 1.0M CLEARANCE BETWEEN CARPARK BAYS AND CONCRETE FOOTPATH AND INSTALL BOLLARDS AS REQUIRED AROUND ROAD EDGES AND CARPARK BAYS TO PREVENT VEHICULAR ACCESS TO VERGE AREAS

EXTEND DRAINAGE AS REQUIRED TO PREVENT PONDING OF STORMWATER AND NUISANCE DISCHARGE OVER FOOTPATH

LEGEND:

— E —	EXISTING UNDERGROUND ELECTRICITY
— Ex.S —	EXISTING SEWER MAIN
— Ex.W —	EXISTING WATERMAIN
— SWD —	EXISTING STORMWATER DRAINAGE
— Ex.T —	EXISTING UNDERGROUND TELECOMMUNICATIONS
- - -	EXISTING LOT BOUNDARY
—	EXISTING EDGE OF BITUMEN
—	EXISTING BUILDING
—	PROPOSED STORMWATER DRAINAGE REFER STP DWG C03.01
—	PROPOSED LOT BOUNDARY
—	PROPOSED ROAD CENTRELINE
—	PROPOSED CHANGE OF GRADE
—	PROPOSED TOP OF BATTER

HATCHING LEGEND

[Hatch Pattern]	EXTENT OF N32 175 THICK CONCRETE PAVEMENT, REFER TO C00.02 FOR PAVEMENT NOTES. REFER TO C06.05 FOR DETAILS
[Hatch Pattern]	EXTENT OF 100mm THICK CONCRETE 15m WIDE FOOTPATH, REFER C00.02 FOR PAVEMENT NOTES & C06.05 FOR CONCRETE DETAILS
[Hatch Pattern]	EXTENT OF FLEXIBLE PAVEMENT, REFER TO C00.02 FOR PAVEMENT NOTES. REFER TO C06.05 FOR PROVISIONAL PAVEMENT DESIGN
[Hatch Pattern]	EXTENT OF REINSTATED PAVEMENT, REFER TO C06.05 FOR DETAILS
[Hatch Pattern]	EXTENT OF PERMEABLE PAVERS, REFER TO PAVEMENT DESIGN DETAIL C06.05
[Hatch Pattern]	EXTENT OF LANDSCAPED, TO BE CONFIRMED WITH LANDSCAPE ARCHITECT
[Hatch Pattern]	EXTENT OF MULCH BEDS, REFER MISC DETAILS

NOTES

1. FOR OVERARCHING NOTES REFER TO C00.02

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FORM BPRS F331A

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1	21.02.20	FOR CONSTRUCTION		KEM
2	28.07.20	REVISED CONSTRUCTION ISSUE		KEM



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OASIS TOWNVILLE - EXTERNAL WORKS
20 DARTER STREET, OONONBA
LOT 902 ON SP283211
GENERAL ARRANGEMENT LAYOUT PLAN

EXISTING SERVICES
ALL EXISTING SERVICES ARE TO BE LOCATED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORKS

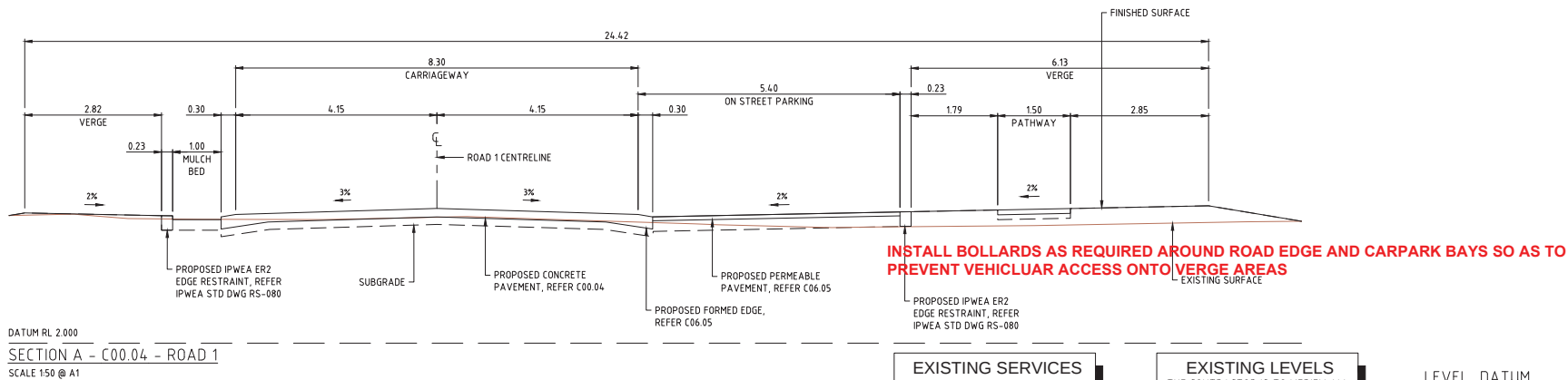
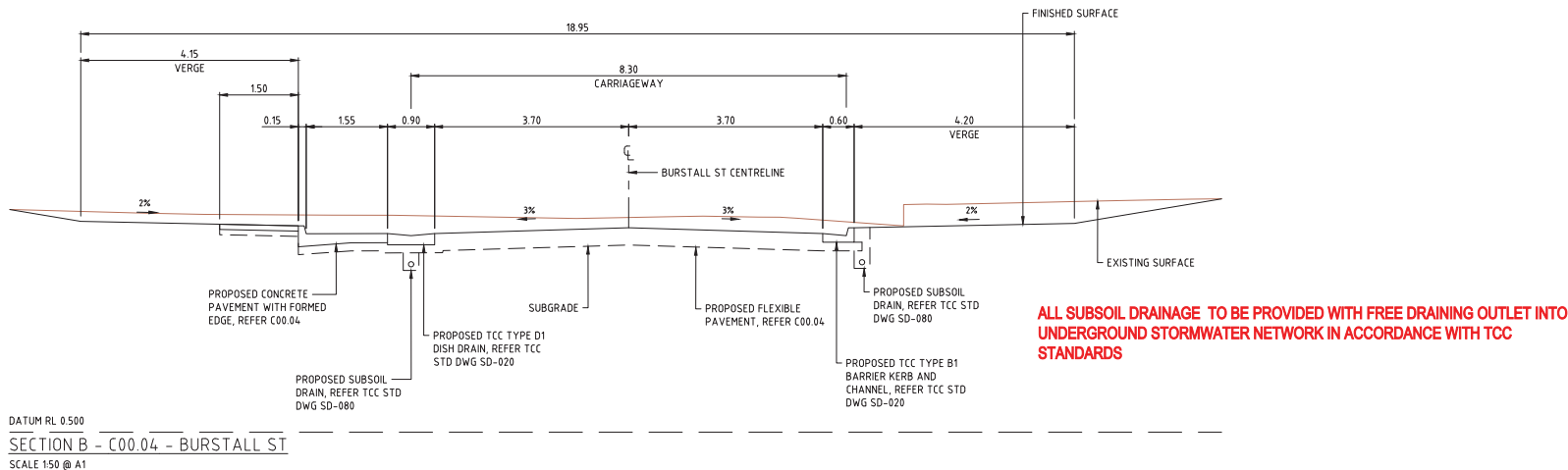
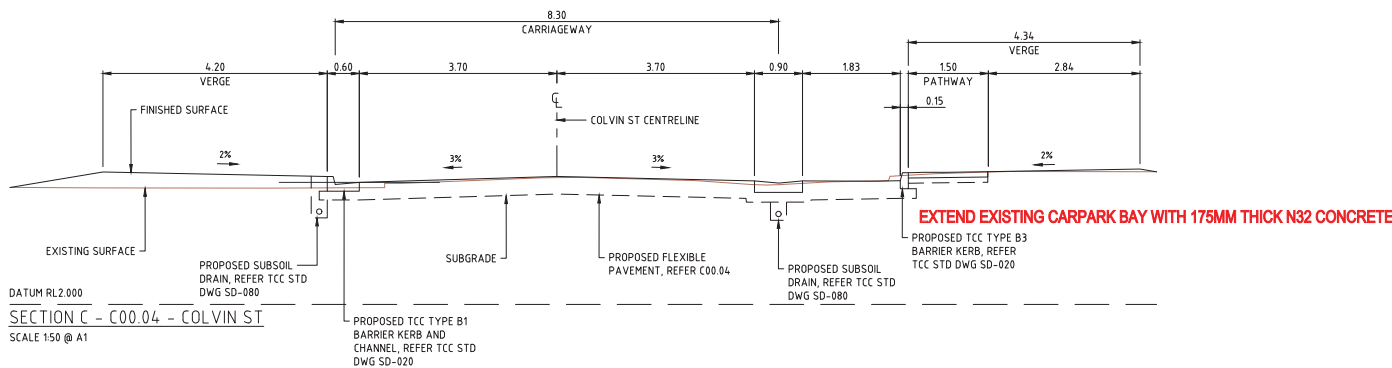
EXISTING LEVELS
THE CONTRACTOR IS TO VERIFY ALL LEVELS PRIOR TO COMMENCEMENT OF WORKS. ANY DISCREPANCIES TO BE REPORTED TO THE SITE SUPERINTENDENT FOR DIRECTION

LEVEL DATUM

PSM No. 191466
LEVEL DATUM RL 4.596 AHD DERIVED



SCALE	AT
AS SHOWN	A1 SIZE
MASTER SITE NUMBER	CLIENT REFERENCE NUMBER
	18338
DRAWING NUMBER	ISSUE
C00.04	2
	SHEET NO



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03021	AUTHORISED FOR ISSUE	FEB 2019	DATE



OASIS TOWNSVILLE - EXTERNAL WORKS

20 DARTER STREET, OONONBA

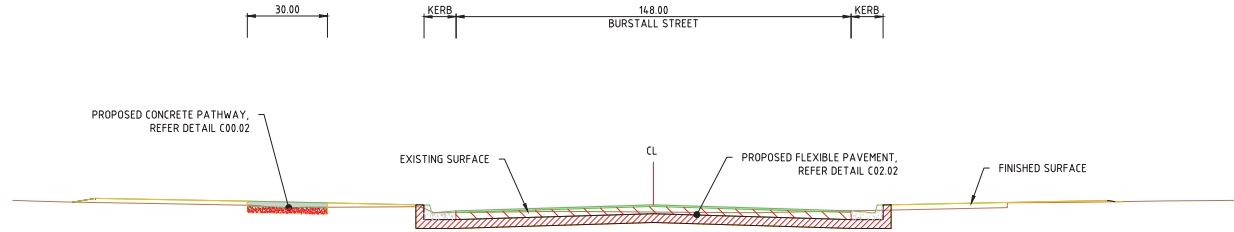
LOT 902 ON SP283211

SITE SECTIONS

AS SHOWN		A1 SIZE	
MASTER SITE NUMBER		CLIENT REFERENCE NUMBER	18338
DRAWING NUMBER	C00.05	ISSUE	1
		SHEET NO	

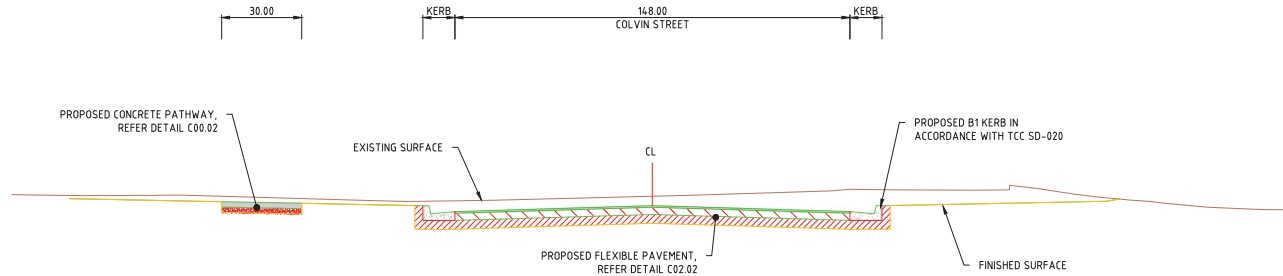
NOTES

1. FOR OVERARCHING NOTES REFER TO C00.02



BURSTALL STREET TYPICAL SECTION

SCALE 1:50 @A1



COLVIN STREET TYPICAL SECTION

SCALE 1:50 @A1

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2020/1127/1
Date: 1 October 2020



EXISTING SERVICES

ALL EXISTING SERVICES ARE TO BE
LOCATED BY THE CONTRACTOR PRIOR
TO COMMENCEMENT OF WORKS

EXISTING LEVELS

THE CONTRACTOR IS TO VERIFY ALL
LEVELS PRIOR TO COMMENCEMENT OF
WORKS. ANY DISCREPANCIES TO BE
REPORTED TO THE SITE
SUPERINTENDENT FOR DIRECTION

LEVEL DATUM

PSM No. 191466
LEVEL DATUM RL 4.596 AHD DERIVED



FORM BPRS F301A

DRAWINGS INDEXING SYSTEM
FOR PROJECT SERVICES PLANS AND RECORDS USE ONLY

AMENDMENTS			
ISSUE	DATE	SUBJECT	AUTHORISED
A	01.09.19	FOR TENDER	KEM



Department of Housing and Public Works

HJD	DRAWN	FEB 2019
KEM	DATE	FEB 2019
TJS	DISCIPLINE TEAM LEADER	DATE
03321	AUTHORISED FOR ISSUE	FEB 2019
	DATE	



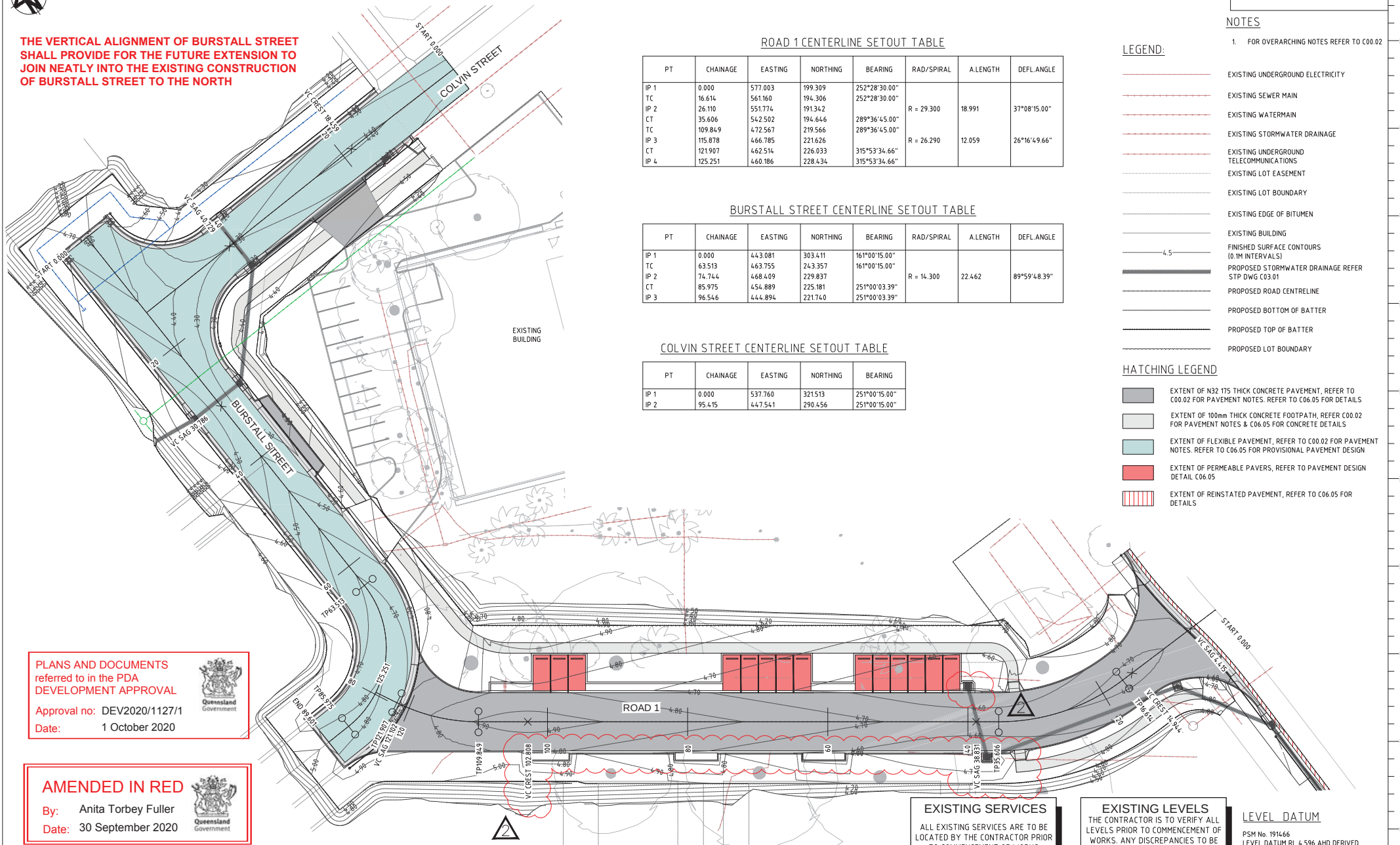
STP Project No: 17788-2148
www.stpconsultants.com.au

OASIS TOWNSVILLE - EXTERNAL WORKS
20 DARTER STREET, OONONBA
LOT 902 ON SP283211
TYPICAL SECTION DETAILS

SCALE		AT	
AS SHOWN		A1 SIZE	
MASTER SITE NUMBER		CLIENT REFERENCE NUMBER	
		18338	
DRAWING NUMBER		ISSUE	SHEET NO
C00.06		A	



THE VERTICAL ALIGNMENT OF BURSTALL STREET SHALL PROVIDE FOR THE FUTURE EXTENSION TO JOIN NEATLY INTO THE EXISTING CONSTRUCTION OF BURSTALL STREET TO THE NORTH



ROAD 1 CENTERLINE SETOUT TABLE

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A LENGTH	DEFL ANGLE
IP 1	0.000	577.003	199.309	252°28'30.00"			
TC	16.614	561.160	194.306	252°28'30.00"	R = 29.300	18.991	37°08'15.00"
IP 2	26.110	551.774	191.342				
CT	35.606	542.502	194.646	289°36'45.00"	R = 26.290	12.059	26°16'49.66"
TC	109.849	472.567	219.566	289°36'45.00"			
IP 3	115.878	466.785	221.626				
CT	121.907	462.514	226.033	315°53'34.66"			
IP 4	125.251	460.186	228.434	315°53'34.66"			

BURSTALL STREET CENTERLINE SETOUT TABLE

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A LENGTH	DEFL ANGLE
IP 1	0.000	443.081	303.411	161°00'15.00"			
TC	63.513	463.755	243.357	161°00'15.00"	R = 14.300	22.462	89°59'48.39"
IP 2	74.744	468.409	229.837				
CT	85.975	454.889	225.181	251°00'03.39"			
IP 3	96.546	444.894	221.740	251°00'03.39"			

COLVIN STREET CENTERLINE SETOUT TABLE

PT	CHAINAGE	EASTING	NORTHING	BEARING
IP 1	0.000	537.760	321.513	251°00'15.00"
IP 2	95.415	447.541	290.456	251°00'15.00"

LEGEND:

- EXISTING UNDERGROUND ELECTRICITY
- EXISTING SEWER MAIN
- EXISTING WATERMAIN
- EXISTING STORMWATER DRAINAGE
- EXISTING UNDERGROUND TELECOMMUNICATIONS
- EXISTING LOT EASEMENT
- EXISTING LOT BOUNDARY
- EXISTING EDGE OF BITUMEN
- EXISTING BUILDING
- FINISHED SURFACE CONTOURS (0.1M INTERVALS)
- PROPOSED STORMWATER DRAINAGE REFER STP DWG C03.01
- PROPOSED ROAD CENTRELINE
- PROPOSED BOTTOM OF BATTER
- PROPOSED TOP OF BATTER
- PROPOSED LOT BOUNDARY

HATCHING LEGEND

- EXTENT OF N32 175 THICK CONCRETE PAVEMENT, REFER TO C00.02 FOR PAVEMENT NOTES. REFER TO C06.05 FOR DETAILS
- EXTENT OF 100mm THICK CONCRETE FOOTPATH, REFER C00.02 FOR PAVEMENT NOTES & C06.05 FOR CONCRETE DETAILS
- EXTENT OF FLEXIBLE PAVEMENT, REFER TO C00.02 FOR PAVEMENT NOTES. REFER TO C06.05 FOR PROVISIONAL PAVEMENT DESIGN
- EXTENT OF PERMEABLE PAVERS, REFER TO PAVEMENT DESIGN DETAIL C06.05
- EXTENT OF REINSTATED PAVEMENT, REFER TO C06.05 FOR DETAILS

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2020/1127/1
Date: 1 October 2020

AMENDED IN RED

By: Anita Torbey Fuller
Date: 30 September 2020

EXISTING SERVICES

ALL EXISTING SERVICES ARE TO BE LOCATED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORKS

EXISTING LEVELS

THE CONTRACTOR IS TO VERIFY ALL LEVELS PRIOR TO COMMENCEMENT OF WORKS. ANY DISCREPANCIES TO BE REPORTED TO THE SITE SUPERINTENDENT FOR DIRECTION

LEVEL DATUM

PSM No. 191466
LEVEL DATUM RL 4.596 AHD DERIVED



FORM BPRS F301A

DRAWINGS INDEXING SYSTEM
FOR PROJECT SERVICES PLANS AND RECORDS USE ONLY

ISSUE	DATE	SUBJECT	AUTHORISED
1	21.02.20	FOR CONSTRUCTION	KEM
2	30.07.20	REVISIO CONSTRUCTION ISSUE	KEM



HJD	FEB 2019
DRAWN	DATE
KEM	FEB 2019
DISCIPLINE TEAM LEADER	DATE
TJS	FEB 2019
AUTHORISED FOR ISSUE	DATE



OASIS TOWNSVILLE - EXTERNAL WORKS

20 DARTER STREET, OONONBA
LOT 902 ON SP283211
CONTROL LINE & SETOUT TABLE

SCALE	AT
AS SHOWN	A1 SIZE
MASTER SITE NUMBER	CLIENT REFERENCE NUMBER
	18338
DRAWING NUMBER	ISSUE
C02.01	2
	SHEET NO



LEGEND:

— E —	EXISTING UNDERGROUND ELECTRICITY	--- (SCJ) ---	SAW-CUT JOINT. REFER C02.02 FOR DETAIL
— Ex.S —	EXISTING SEWER MAIN	— (DJ) —	DOWEL JOINT. REFER C02.02 FOR DETAIL
— Ex.W —	EXISTING WATERMAIN	--- (ET) ---	EDGE THICKENING. REFER C02.02 FOR DETAIL
— Ex.SWD —	EXISTING STORMWATER DRAINAGE	=====	2/N12 x 1200 LONG (min) TRIMMER BARS
— Ex.T —	EXISTING UNDERGROUND TELECOMMUNICATIONS	(DI)	TCC DISH DRAIN
- - - - -	EXISTING LOT BOUNDARY	(B)	TCC BARRIER KERB & CHANNEL
--- 4.5 ---	EXISTING EDGE OF BITUMEN	(ER)	EDGE RESTRAINT, MISC DETAILS
--- 4.5 ---	FINISHED SURFACE CONTOURS (0.1M INTERVALS)	(F1)	FORMED EDGE TYPE 1
— — — — —	PROPOSED ROAD CENTRELINE	(F2)	FORMED EDGE TYPE 2
— — — — —	PROPOSED STORMWATER DRAINAGE REFER STP DWG C03.01		
— — — — —	PROPOSED CHANGE OF GRADE		
— — — — —	PROPOSED TOP OF BATTER		

NOTES

- FOR OVERARCHING NOTES REFER TO C00.02

HATCHING LEGEND

[Hatch Pattern]	EXTENT OF N32 175 THICK CONCRETE PAVEMENT, REFER TO C00.02 FOR PAVEMENT NOTES. REFER TO C06.05 FOR DETAILS
[Hatch Pattern]	EXTENT OF 100mm THICK CONCRETE 15m WIDE FOOTPATH, REFER C00.02 FOR PAVEMENT NOTES & C06.05 FOR CONCRETE DETAILS
[Hatch Pattern]	EXTENT OF FLEXIBLE PAVEMENT, REFER TO C00.02 FOR PAVEMENT NOTES. REFER TO C06.05 FOR PROVISIONAL PAVEMENT DESIGN
[Hatch Pattern]	EXTENT OF PERMEABLE PAVERS, REFER TO PAVEMENT DESIGN DETAIL C06.05
[Hatch Pattern]	EXTENT OF REINSTATED PAVEMENT, REFER TO C06.05 FOR DETAILS

NOTE:
FOR CONCRETE FOOTPATH JOINTING REFER TO TCC STD DWG SD-070

MODIFIED KERB RAMP REFER MISC DETAILS, ENSURE NEW PROPOSED KERB RAMP MATCHES NEATLY INTO EXISTING PATH

SAWCUT MIN. 600mm FROM NEW KERB EDGE INTO EXISTING PAVEMENT & REINSTATE NEATLY

EXISTING SERVICES

ALL EXISTING SERVICES ARE TO BE LOCATED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORKS

EXISTING LEVELS

THE CONTRACTOR IS TO VERIFY ALL LEVELS PRIOR TO COMMENCEMENT OF WORKS. ANY DISCREPANCIES TO BE REPORTED TO THE SITE SUPERINTENDENT FOR DIRECTION

LEVEL DATUM

PSM No. 191466
LEVEL DATUM RL 4.596 AHD DERIVED

1:100 0 1 2 3 4 5 m

FOR CONTINUATION REFER TO DWG C02.03

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2020/1127/1

Date: 1 October 2020



FORM BPRS F310A

DRAWINGS INDEXING SYSTEM
FOR PROJECT SERVICES PLANS AND RECORDS USE ONLY

AMENDMENTS				AUTHORISED
ISSUE	DATE	SUBJECT		
1	21.02.20	FOR CONSTRUCTION		KEM
2	28.07.20	REVISED CONSTRUCTION ISSUE		KEM



HJD	FEB 2019
DRAWN	DATE
KEM	FEB 2019
DISCIPLINE TEAM LEADER	DATE
TJS	FEB 2019
03321	DATE
AUTHORISED FOR ISSUE	

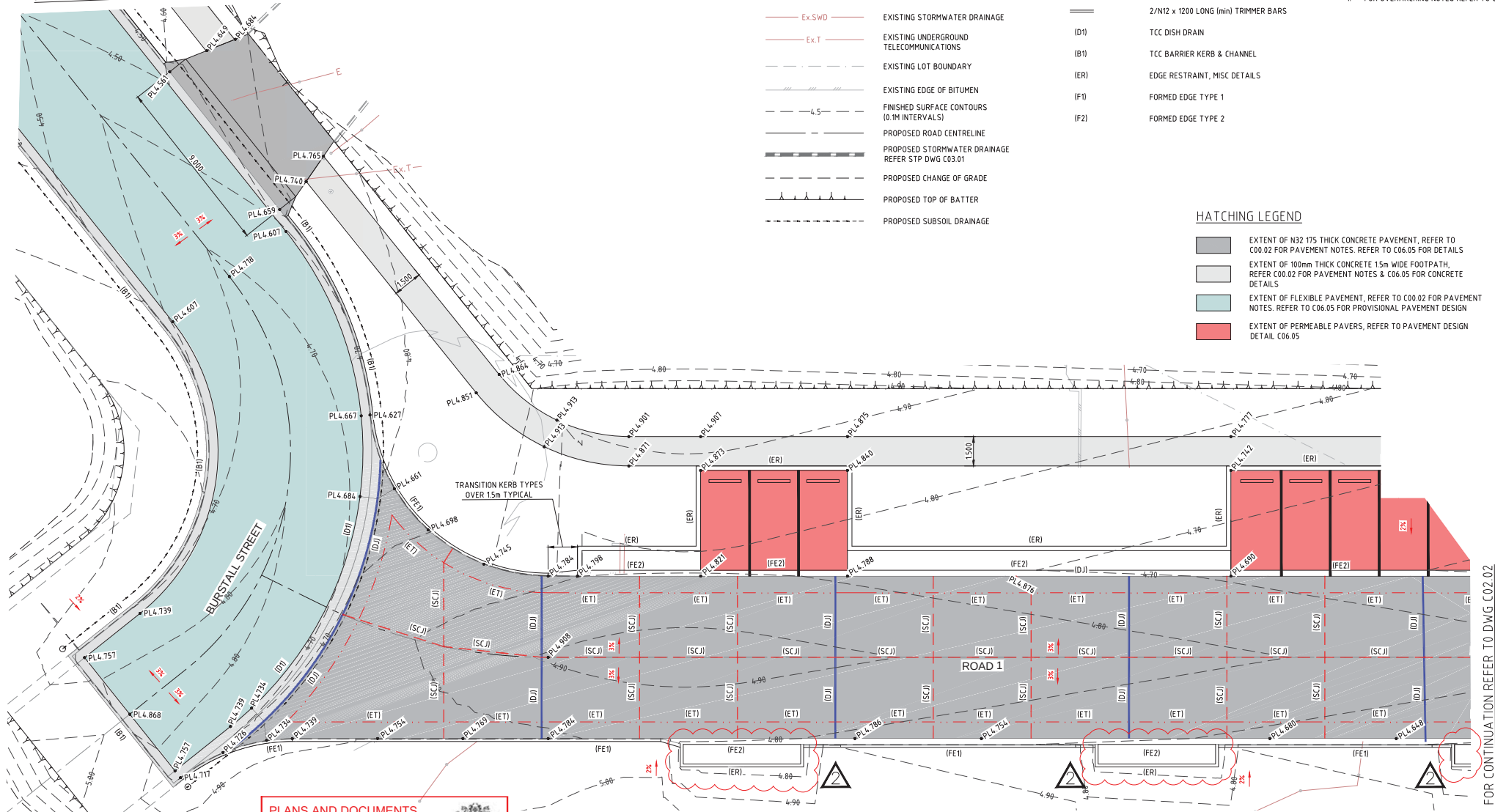


OASIS TOWNSVILLE - EXTERNAL WORKS
20 DARTER STREET, OONONBA
LOT 902 ON SP283211
INTERSECTION DETAILS (SHEET 1 OF 3)

SCALE	AT
AS SHOWN	A1 SIZE
MASTER SITE NUMBER	CLIENT REFERENCE NUMBER
	18338
DRAWING NUMBER	ISSUE
C02.02	2
	SHEET NO



FOR CONTINUATION REFER TO DWG C02.04



LEGEND:

— E —	EXISTING UNDERGROUND ELECTRICITY	--- (SCJ) ---	SAW-CUT JOINT. REFER C02.02 FOR DETAIL
— Ex.S —	EXISTING SEWER MAIN	— (DJI) —	DOWEL JOINT. REFER C02.02 FOR DETAIL
— Ex.W —	EXISTING WATERMAIN	--- (ET) ---	EDGE THICKENING. REFER C02.02 FOR DETAIL
— Ex.SWD —	EXISTING STORMWATER DRAINAGE	=====	2/12 x 1200 LONG (min) TRIMMER BARS
— Ex.T —	EXISTING UNDERGROUND TELECOMMUNICATIONS	(D1)	TCC DISH DRAIN
---	EXISTING LOT BOUNDARY	(B1)	TCC BARRIER KERB & CHANNEL
---	EXISTING EDGE OF BITUMEN	(ER)	EDGE RESTRAINT, MISC DETAILS
---	FINISHED SURFACE CONTOURS (0.1M INTERVALS)	(F1)	FORMED EDGE TYPE 1
---	PROPOSED ROAD CENTRELINE	(F2)	FORMED EDGE TYPE 2
---	PROPOSED STORMWATER DRAINAGE REFER STP DWG C03.01		
---	PROPOSED CHANGE OF GRADE		
---	PROPOSED TOP OF BATTER		
---	PROPOSED SUBSOIL DRAINAGE		

HATCHING LEGEND

[Hatched Area]	EXTENT OF N32 175 THICK CONCRETE PAVEMENT, REFER TO C00.02 FOR PAVEMENT NOTES. REFER TO C06.05 FOR DETAILS
[Hatched Area]	EXTENT OF 100mm THICK CONCRETE 15m WIDE FOOTPATH, REFER C00.02 FOR PAVEMENT NOTES & C06.05 FOR CONCRETE DETAILS
[Hatched Area]	EXTENT OF FLEXIBLE PAVEMENT, REFER TO C00.02 FOR PAVEMENT NOTES. REFER TO C06.05 FOR PROVISIONAL PAVEMENT DESIGN
[Hatched Area]	EXTENT OF PERMEABLE PAVERS, REFER TO PAVEMENT DESIGN DETAIL C06.05

NOTES

- FOR OVERARCHING NOTES REFER TO C00.02

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2020/1127/1
Date: 1 October 2020



EXISTING SERVICES
ALL EXISTING SERVICES ARE TO BE LOCATED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORKS

EXISTING LEVELS
THE CONTRACTOR IS TO VERIFY ALL LEVELS PRIOR TO COMMENCEMENT OF WORKS. ANY DISCREPANCIES TO BE REPORTED TO THE SITE SUPERINTENDENT FOR DIRECTION

LEVEL DATUM
PSM No. 191466
LEVEL DATUM RL 4.596 AHD DERIVED

FORM BPRS F310A

DRAWINGS INDEXING SYSTEM
FOR PROJECT SERVICES PLANS AND RECORDS USE ONLY

ISSUE	DATE	SUBJECT	AUTHORISED
1	21.02.20	FOR CONSTRUCTION	KEM
2	28.07.20	REVISED CONSTRUCTION ISSUE	KEM



HJD	DRAWN	FEB 2019
KEM	DISCIPLINE TEAM LEADER	FEB 2019
TJS	03321	FEB 2019
	AUTHORISED FOR ISSUE	



OASIS TOWNSVILLE - EXTERNAL WORKS
20 DARTER STREET, OONOA
LOT 902 ON SP283211
INTERSECTION DETAIL (SHEET 2 OF 3)

SCALE	AT
AS SHOWN	A1 SIZE
MASTER SITE NUMBER	CLIENT REFERENCE NUMBER
	18338
DRAWING NUMBER	ISSUE
C02.03	2
	SHEET NO



BARCODE

NOTES

1. FOR OVERARCHING NOTES REFER TO C00 02

LEGEND:

---	EXISTING UNDERGROUND ELECTRICITY	---	PROPOSED LOT BOUNDARY
---	EXISTING SEWER MAIN	---	PROPOSED ROAD CENTRELINE
---	EXISTING WATERMAIN	---	PROPOSED CHANGE OF GRADE
---	EXISTING STORMWATER DRAINAGE	---	PROPOSED TOP OF BATTER
---	EXISTING UNDERGROUND TELECOMMUNICATIONS	---	PROPOSED SUBSOIL DRAINAGE
---	EXISTING CONTOUR (0.1m CONTOUR INTERVAL)	PL 4.465	PROPOSED PAVEMENT LEVEL
---	EXISTING LOT EASEMENT	(D1)	TCC DISH DRAIN
---	EXISTING LOT BOUNDARY	(B1)	TCC BARRIER KERB & CHANNEL
---	EXISTING EDGE OF BITUMEN	(ER)	EDGE RESTRAINT, MISC DETAILS
---	EXISTING BUILDING FINISHED SURFACE CONTOURS (0.1M INTERVALS)	(F1)	FORMED EDGE TYPE 1
---	PROPOSED STORMWATER DRAINAGE REFER STP DWG C03 01	(F2)	FORMED EDGE TYPE 2

HATCHING LEGEND

---	EXTENT OF N32 175 THICK CONCRETE PAVEMENT, REFER TO C00 02 FOR PAVEMENT NOTES. REFER TO C06 05 FOR DETAILS
---	EXTENT OF 100mm THICK CONCRETE 1.5m WIDE FOOTPATH, REFER C00 02 FOR PAVEMENT NOTES & C06 05 FOR CONCRETE DETAILS
---	EXTENT OF FLEXIBLE PAVEMENT, REFER TO C00 02 FOR PAVEMENT NOTES. REFER TO C06 05 FOR PROVISIONAL PAVEMENT DESIGN
---	EXTENT OF PERMEABLE PAVERS, REFER TO PAVEMENT DESIGN DETAIL C06 05

EXISTING SERVICES

ALL EXISTING SERVICES ARE TO BE LOCATED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORKS

EXISTING LEVELS

THE CONTRACTOR IS TO VERIFY ALL LEVELS PRIOR TO COMMENCEMENT OF WORKS. ANY DISCREPANCIES TO BE REPORTED TO THE SITE SUPERINTENDENT FOR DIRECTION

LEVEL DATUM

PSM No. 191466
LEVEL DATUM RL 4.596 AHD DERIVED



FOR CONTINUATION REFER TO DWG C02 03

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2020/1127/1
Date: 1 October 2020



FORM BPRS F301A

DRAWINGS INDEXING SYSTEM
FOR PROJECT SERVICES, PLANS AND RECORDS USE ONLY

AMENDMENTS				AUTHORISED
ISSUE	DATE	SUBJECT		
1	21.02.20	FOR CONSTRUCTION		KEM



HJD	FEB 2019
DRAWN	DATE
KEM	FEB 2019
DISCIPLINE TEAM LEADER	DATE
TJS	FEB 2019
03321	DATE
AUTHORISED FOR ISSUE	



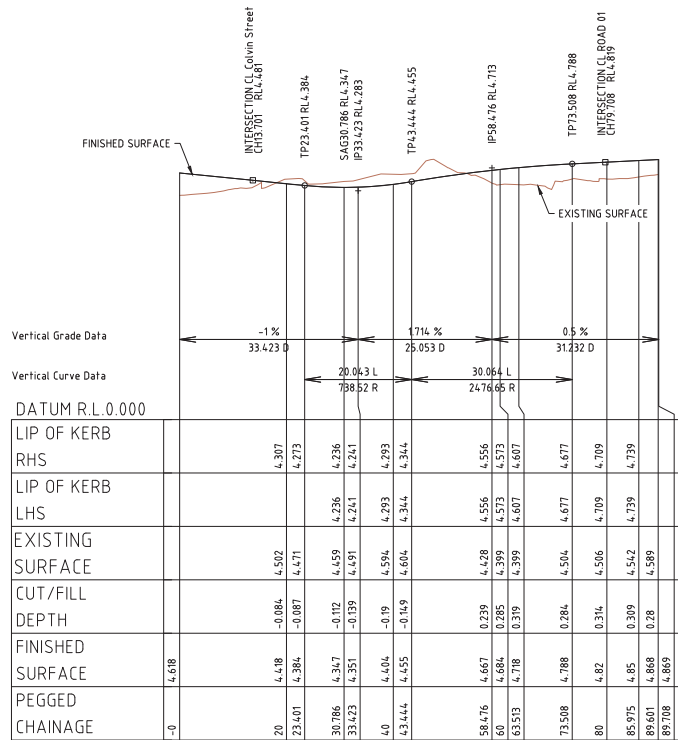
OASIS TOWNSVILLE - EXTERNAL WORKS

20 DARTER STREET, OONONBA
LOT 902 ON SP283211
INTERSECTION DETAIL (SHEET 3 OF 3)

SCALE	AT
MASTER SITE NUMBER	CLIENT REFERENCE NUMBER
DRAWING NUMBER	ISSUE
C02.04	1
	SHEET NO
	18338

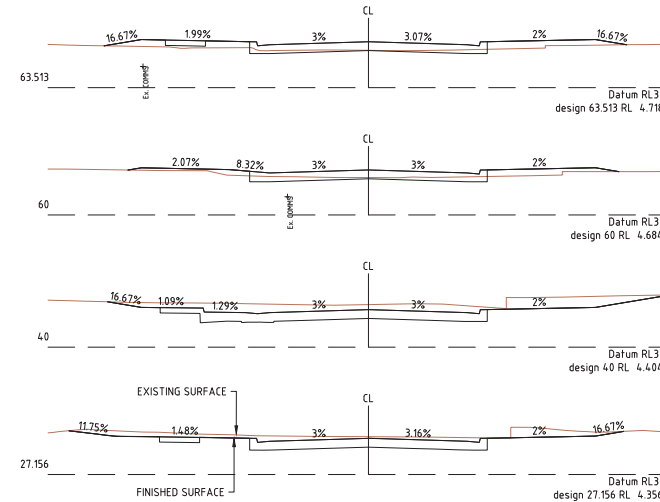
NOTES

- FOR OVERARCHING NOTES REFER TO C00.02
- FOR DETAILS OF TYPICAL CROSS SECTIONS REFER C00.06



BURSTALL STREET CENTRELINE LONGITUDINAL SECTION

HORIZONTAL 1:500 @A1
VERTICAL 1:50 @A1



PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2020/1127/1
Date: 1 October 2020



FORM BPRS F310A

DRAWINGS INDEXING SYSTEM
FOR PROJECT SERVICES PLANS AND RECORDS USE ONLY

AMENDMENTS			
ISSUE	DATE	SUBJECT	AUTHORISED
1	21.02.20	FOR CONSTRUCTION	KEM



Department of Housing and Public Works

HJD
DRAWN
FEB 2019
DATE

KEM
DISCIPLINE TEAM LEADER
FEB 2019
DATE

TJS
03321
FEB 2019
DATE

AUTHORISED FOR ISSUE



STP Project No: 1778B-2148

Townsville Ph: 07 3539 8350
Brisbane Ph: 07 3539 8300
Cairns Ph: 07 3539 8300
Mackay Ph: 07 3539 8300
www.stptownsville.com.au

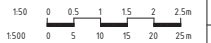
OASIS TOWNSVILLE - EXTERNAL WORKS
20 DARTER STREET, OONONBA
LOT 902 ON SP283211
BURSTALL STREET LONGITUDINAL & CROSS SECTIONS

EXISTING LEVELS
THE CONTRACTOR IS TO VERIFY ALL LEVELS PRIOR TO COMMENCEMENT OF WORKS. ANY DISCREPANCIES TO BE REPORTED TO THE SITE SUPERINTENDENT FOR DIRECTION

EXISTING SERVICES
ALL EXISTING SERVICES ARE TO BE LOCATED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORKS

LEVEL DATUM

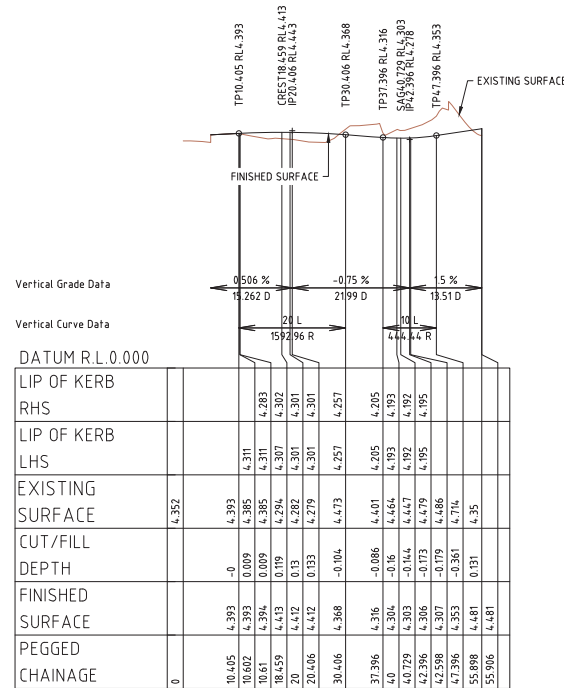
PSM No. 1914.66
LEVEL DATUM RL 4.596 AHD DERIVED



AS SHOWN		AT	
MASTER SITE NUMBER		CLIENT REFERENCE NUMBER	
18338		18338	
DRAWING NUMBER		ISSUE	SHEET NO
C02.06		1	1

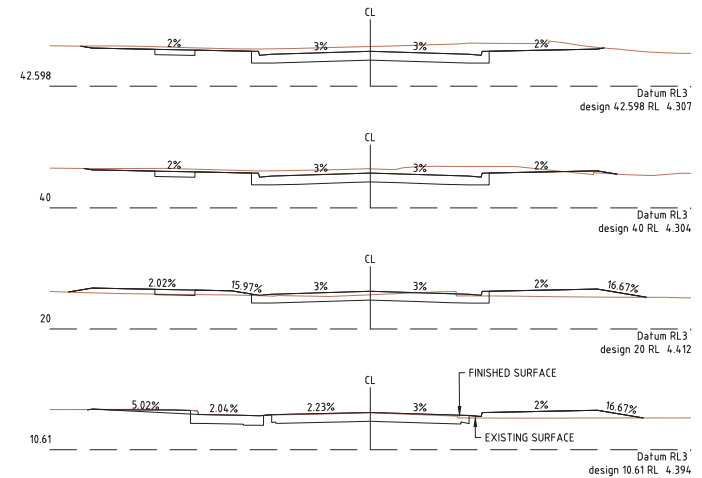
NOTES

- FOR OVERARCHING NOTES REFER TO C00.02
- FOR DETAILS OF TYPICAL CROSS SECTIONS REFER C00.06



COLVIN STREET CENTRELINE LONGITUDINAL SECTION

HORIZONTAL 1:500 @A1
VERTICAL 1:50 @A1



COLVIN STREET CROSS SECTIONS

SCALE 1:100 @A1

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2020/1127/1

Date: 1 October 2020



FORM BPRS F301A

DRAWINGS INDEXING SYSTEM
FOR PROJECT SERVICES PLANS AND RECORDS USE ONLY

AMENDMENTS			
ISSUE	DATE	SUBJECT	AUTHORISED
1	21.02.20	FOR CONSTRUCTION	KEM



HJD
DRAWN
FEB 2019
DATE

KEM
DISCIPLINE TEAM LEADER
FEB 2019
DATE

TJS
03021
FEB 2019
DATE

AUTHORISED FOR ISSUE



Townsville Ph (07) 3539 8350
Brisbane Ph (07) 3539 8300
Cairns Ph (07) 3539 8300
Mackay Ph (07) 3539 8300
www.stpconsultants.com.au

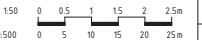
OASIS TOWNSVILLE - EXTERNAL WORKS
20 DARTER STREET, OONONBA
LOT 902 ON SP283211
COLVIN STREET LONGITUDINAL & CROSS SECTIONS

EXISTING LEVELS
THE CONTRACTOR IS TO VERIFY ALL
LEVELS PRIOR TO COMMENCEMENT OF
WORKS. ANY DISCREPANCIES TO BE
REPORTED TO THE SITE
SUPERINTENDENT FOR DIRECTION

EXISTING SERVICES
ALL EXISTING SERVICES ARE TO BE
LOCATED BY THE CONTRACTOR PRIOR
TO COMMENCEMENT OF WORKS

LEVEL DATUM

PSM No 1914.66
LEVEL DATUM RL 4.596 AHD DERIVED



SCALE		AT	
AS SHOWN		A1 SIZE	
MASTER SITE NUMBER		CLIENT REFERENCE NUMBER	
DRAWING NUMBER		ISSUE	
C02.07		1	
SHEET NO		1	



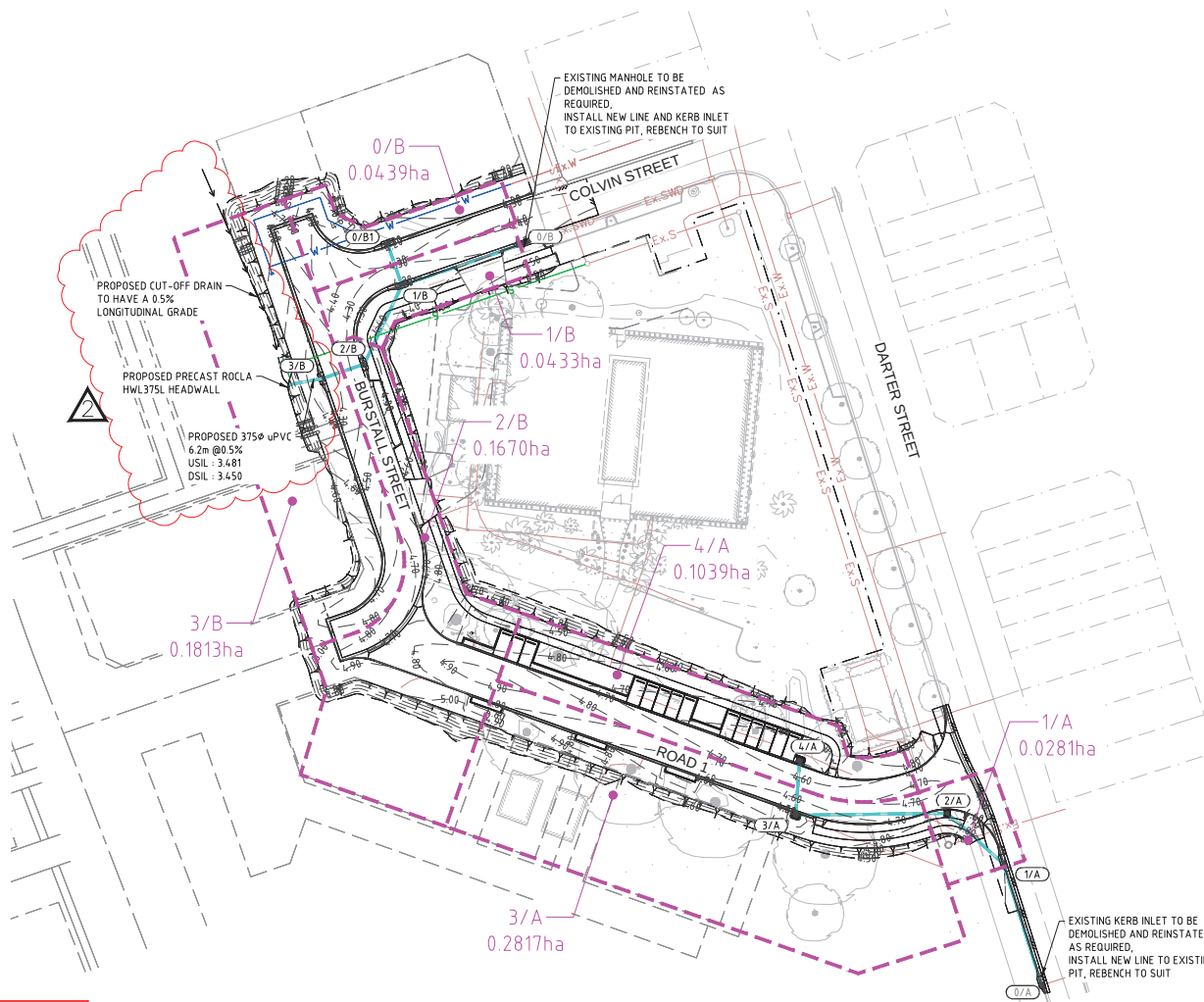
BARCODE

NOTES

1. FOR OVERARCHING NOTES REFER TO C00.02

LEGEND:

- E — EXISTING UNDERGROUND ELECTRICITY
— Ex.S — EXISTING SEWER MAIN
— Ex.W — EXISTING WATERMAIN
— Ex.SWD — EXISTING STORMWATER DRAINAGE
— Ex.T — EXISTING UNDERGROUND TELECOMMUNICATIONS
--- EXISTING LOT BOUNDARY
--- EXISTING EDGE OF BITUMEN
--- EXISTING BUILDING
--- 4.5 --- FINISHED SURFACE CONTOURS (0.1M INTERVALS)
--- PROPOSED STORMWATER DRAINAGE
--- PROPOSED ROAD CENTRELIN
--- PROPOSED CHANGE OF GRADE
--- PROPOSED TOP OF BATTER
--- PROPOSED CUT-OFF DRAIN, REFER DETAIL
--- PROPOSED CATCHMENT BOUNDARY
■ PROPOSED TCC RAISED GRATED INLET PIT, REFER TCC STD DWG SD-215
■ PROPOSED TCC PRECAST KERB INLET, REFER TCC STD DWG SD-200
■ PROPOSED TCC STORMWATER MANHOLE, REFER TCC STD DWG SD-205
1/A PROPOSED STORMWATER PIT NUMBER
1/A PROPOSED STORMWATER CATCHMENT LABEL AND AREA



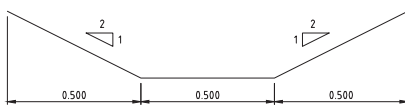
PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2020/1127/1
Date: 1 October 2020



AMENDED IN RED

By: Anita Torbey Fuller
Date: 30 September 2020



TYPICAL CUT-OFF DRAIN SECTION

SCALE 1:10 @A1

CUT OFF DRAIN TO BE TOPSOILED AND TURFED TO PREVENT SCOUR

EXISTING LEVELS

THE CONTRACTOR IS TO VERIFY ALL LEVELS PRIOR TO COMMENCEMENT OF WORKS. ANY DISCREPANCIES TO BE REPORTED TO THE SITE SUPERINTENDENT FOR DIRECTION

EXISTING SERVICES

ALL EXISTING SERVICES ARE TO BE LOCATED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORKS

LEVEL DATUM

PSM No. 191466
LEVEL DATUM RL 4.596 AHD DERIVED



FORM BPRS F101A

DRAWINGS INDEXING SYSTEM
FOR PROJECT SERVICES, PLANS AND RECORDS USE ONLY

AMENDMENTS				AUTHORISED
ISSUE	DATE	SUBJECT	DATE	
1	21.02.20	FOR CONSTRUCTION		KEM
2	29.09.20	CUT-OFF DRAIN ADDED		KEM



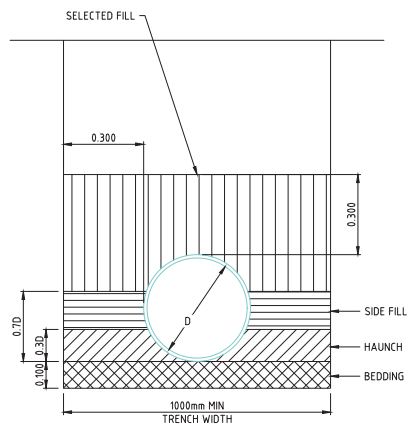
HJD	DRAWN	FEB 2019	DATE
KEM	DRAWN	FEB 2019	DATE
TJS	DISCIPLINE TEAM LEADER		
03021	DISCIPLINE TEAM LEADER		
	AUTHORISED FOR ISSUE	FEB 2019	DATE



OASIS TOWNSVILLE - EXTERNAL WORKS

20 DARTER STREET, OONONBA
LOT 902 ON SP283211
STORMWATER DRAINAGE LAYOUT PLAN

SCALE	AT
MASTER SITE NUMBER	CLIENT REFERENCE NUMBER
DRAWING NUMBER	ISSUE
C03.01	2
	SHEET NO



TYPICAL DETAIL
BEDDING CONFIGURATION
NTS

PIPE SIZE/Class	375mm/4		375mm/4		375mm/2		375mm/2	
PIPE GRADE	0.39%		0.42%		0.40%		0.40%	
PIPE SLOPE 1 in X	259.46		237.62		250		250	
FULL PIPE FLOW VELOCITY (m/s)	0.22		0.75		0.74		0.8	
PART FULL FLOW VELOCITY (m/s)	0.8		1.12		1.1		1.11	
DATUM RL	-5.0							
PIPE FLOW (m ³ /s)	0.025		0.083		0.082		0.088	
PIPE CAPACITY AT GRADE (m ³ /s)	0.109		0.114		0.111		0.111	
FREEBOARD	0.179		0.187					
HYDRAULIC GRADE LEVEL	4.233		4.231		4.038		3.83	
DEPTH TO INVERT	0.768		0.797		1.351		1.264	
INVERT LEVEL OF DRAIN	3.668		3.628		3.426		3.23	
DESIGN SURFACE LEVEL (LIP LEVEL)	4.436		4.425		4.777		4.591	
RUNNING CHAINAGE	0		10.482		28.958		39.44	

A

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2020/1127/1

Date: 1 October 2020



FORM BPRS F310A

DRAWINGS INDEXING SYSTEM
FOR PROJECT SERVICES PLANS AND RECORDS USE ONLY

AMENDMENTS			
ISSUE	DATE	SUBJECT	AUTHORISED
1	21.02.20	FOR CONSTRUCTION	KEM



Department of Housing and Public Works

HJD
DRAWN
FEB 2019
DATE
KEM
DISCIPLINE TEAM LEADER
FEB 2019
DATE
TJS
03321
FEB 2019
DATE
AUTHORISED FOR ISSUE



STP
CONSULTANTS
STP Project No: 1778-216

OASIS TOWNSVILLE - EXTERNAL WORKS
20 DARTER STREET, OONONBA
LOT 902 ON SP283211
STORMWATER LONGITUDINAL SECTION PLAN

SCALE		AT	
MASTER SITE NUMBER		CLIENT REFERENCE NUMBER	
DRAWING NUMBER		ISSUE	
C03.02		1	
SHEET NO		18338	

BARCODE

NOTES

- FOR OVERARCHING NOTES REFER TO C00.02

BEDDING CONFIGURATION NOTES

PIPE CLASS & TRENCH DETAIL HAVE BEEN DESIGNED FOR MAXIMUM CONSTRUCTION LOADS

- EXCAVATOR WITH 580mm WIDE ROLLER (25.0T)

IF THE CONTRACTOR USES DIFFERENT OR HEAVIER EQUIPMENT THAN SHOWN ABOVE, THE CONTRACTOR SHALL BE REQUIRED TO DETERMINE IF THE CLASS OF PIPE FOR THIS PROJECT IS ADEQUATE. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL COSTS INCURRED AS A RESULT.

NO MORE THAN TWO WEEKS BEFORE ON-MAINTENANCE INSPECTION, THE CONTRACTOR SHALL UNDERTAKE A CCTV DEFECT/CONDITION INSPECTION WITH WINCAN REPORT (TO BE SUBMITTED TO COUNCIL) TO DEMONSTRATE THAT THE STORMWATER SYSTEM IS ACCEPTABLE TO COUNCIL.

UNACCEPTABLE DEFECTS ARE TO BE RECTIFIED BY THE CONTRACTOR AT THEIR OWN EXPENSE BEFORE ACCEPTANCE OF WORKS AT OFF-MAINTENANCE

EXISTING SERVICES

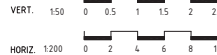
ALL EXISTING SERVICES ARE TO BE LOCATED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORKS

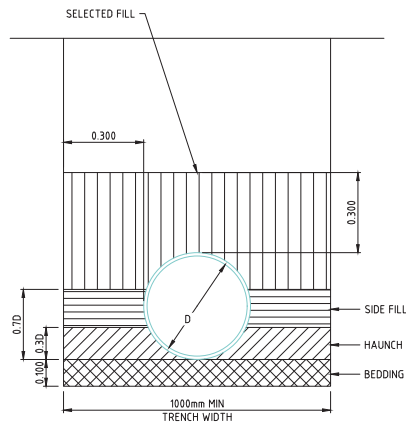
EXISTING LEVELS

THE CONTRACTOR IS TO VERIFY ALL LEVELS PRIOR TO COMMENCEMENT OF WORKS. ANY DISCREPANCIES TO BE REPORTED TO THE SITE SUPERINTENDENT FOR DIRECTION

LEVEL DATUM

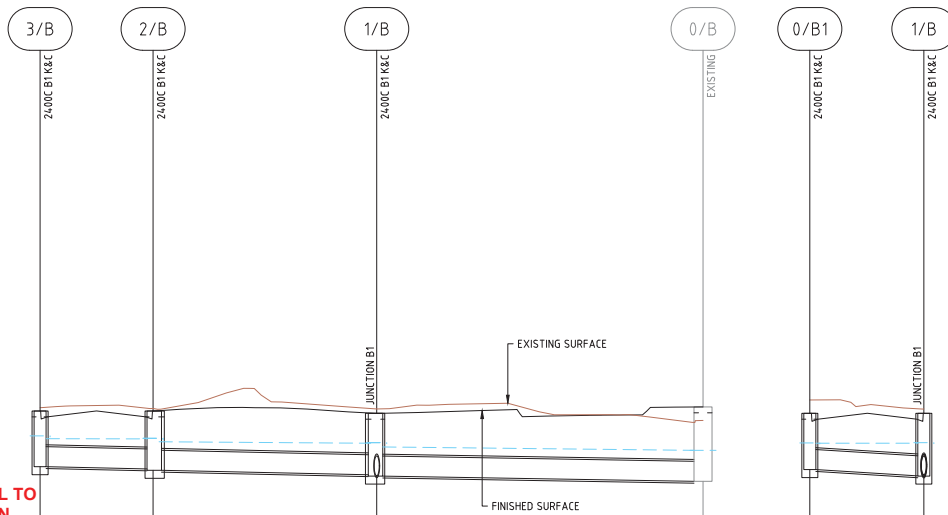
PSM No. 1914.66
LEVEL DATUM RL 4.596 AHD DERIVED





PROVIDE 375MM PIPE AND HEADWALL TO COLLECT FLOW FROM CUT OFF DRAIN

**TYPICAL DETAIL
BEDDING CONFIGURATION**
NTS



PIPE SIZE/Class	375mm/4	375mm/2	375mm/2
PIPE GRADE	0.50%	0.50%	0.40%
PIPE SLOPE 1 in X	200	200	250
FULL PIPE FLOW VELOCITY (m/s)	0.33	0.65	0.81
PART FULL FLOW VELOCITY (m/s)	0.97	1.16	1.12
DATUM RL	-5.0		
PIPE FLOW (m ³ /s)	0.036	0.071	0.089
PIPE CAPACITY AT GRADE (m ³ /s)	0.124	0.124	0.111
FREEBOARD	0.356	0.4	0.439
HYDRAULIC GRADE LEVEL	3.828	3.824	3.743
DEPTH TO INVERT	10.43	10.85	11.5
INVERT LEVEL OF DRAIN	3.304	3.262	3.153
DESIGN SURFACE LEVEL (LIP LEVEL)	4.236	4.236	4.193
RUNNING CHAINAGE	0	8.461	16.754

B

B1

NOTES

- FOR OVERARCHING NOTES REFER TO C00.02

BEDDING CONFIGURATION NOTES

PIPE CLASS & TRENCH DETAIL HAVE BEEN DESIGNED FOR MAXIMUM CONSTRUCTION LOADS

- EXCAVATOR WITH 580mm WIDE ROLLER (25.0T)

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UNACCEPTABLE DEFECTS ARE TO BE RECTIFIED BY THE CONTRACTOR AT THEIR OWN EXPENSE BEFORE ACCEPTANCE OF WORKS AT OFF-MAINTENANCE

EXISTING SERVICES

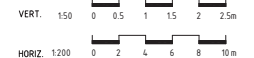
ALL EXISTING SERVICES ARE TO BE LOCATED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORKS

EXISTING LEVELS

THE CONTRACTOR IS TO VERIFY ALL LEVELS PRIOR TO COMMENCEMENT OF WORKS. ANY DISCREPANCIES TO BE REPORTED TO THE SITE SUPERINTENDENT FOR DIRECTION

LEVEL DATUM

PSM No. 191466
LEVEL DATUM RL 4.596 AHD DERIVED



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

Approval no: DEV2020/1127/1
Date: 1 October 2020



AMENDED IN RED

By: Anita Torbey Fuller
Date: 30 September 2020



FORM BPPS F101A

DRAWINGS INDEXING SYSTEM
FOR PROJECT SERVICES, PLANS AND RECORDS USE ONLY

ISSUE	DATE	SUBJECT	AUTHORISED
1	21.02.20	FOR CONSTRUCTION	KEM



HJD	DRAWN	FEB 2019
KEM	DISCIPLINE TEAM LEADER	FEB 2019
TJS	03021	FEB 2019
	AUTHORISED FOR ISSUE	



OASIS TOWNSVILLE - EXTERNAL WORKS
20 DARTER STREET, OONONBA
LOT 902 ON SP283211
STORMWATER LONGITUDINAL SECTION

SCALE	AT
MASTER SITE NUMBER	CLIENT REFERENCE NUMBER
DRAWING NUMBER	ISSUE
C03.03	1



1. FOR OVERARCHING NOTES REFER TO C00.02

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2020/1127/1
Date: 1 October 2020



AMENDMENTS



**Queensland
Government**
Department of Housing and Public Works

FEB 2019

FEB 2019



Townsville Ph: (07) 3539 8356
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Cairns Ph: (07) 3539 8380
Mackay Ph: (07) 3539 8390
www.sfpconsultants.com.au

20 DARTER STREET, OONOONBA

LOT 902 ON SP283211
STORMWATER DATA TABLE

AT

A1 SIZE

MASTER SITE NUMBER

CLIENT REFERENCE NUMBER	
-------------------------	--

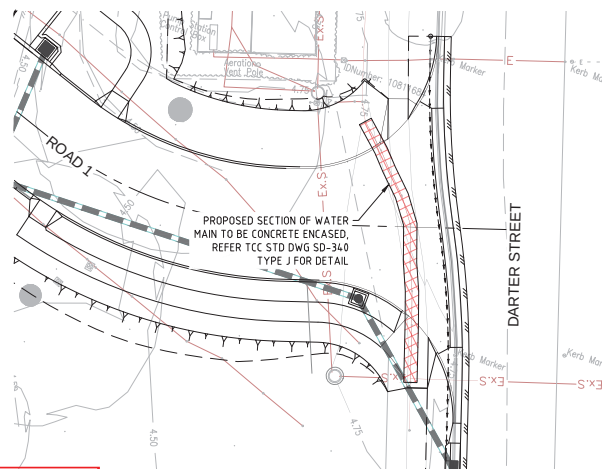
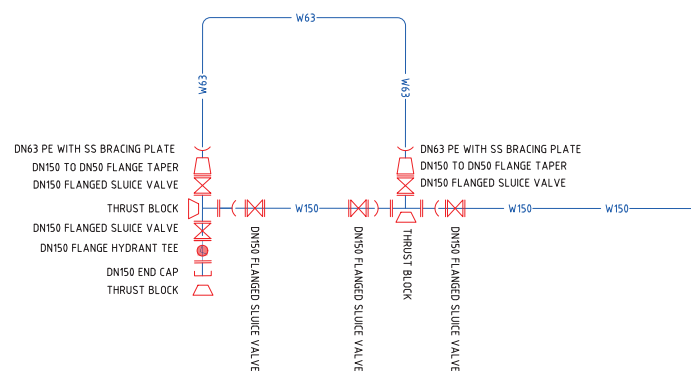
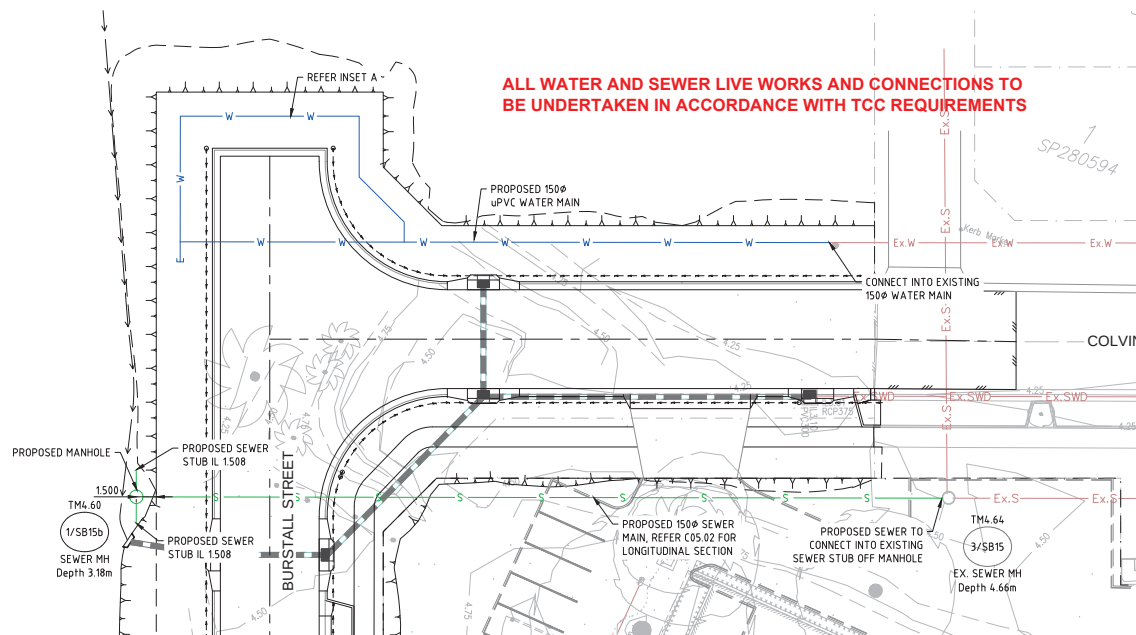
DRAWING NUMBER
C03.04

ISSUE

SHEET NO.



BARCODE

**WATER**

- ALL WATER MAINS ARE TO BE LOCATED IN ACCORDANCE WITH THE RELEVANT AUTHORITY STANDARD DRAWINGS.
- ALL PVC WATER MAINS ARE TO BE SERIES 2, PN16 RUBBER RING JOINTED IN ACCORDANCE WITH AS1477. ALL FITTINGS ARE TO BE IN ACCORDANCE WITH THE RELEVANT AUTHORITY STANDARD DRAWINGS.
- CONNECTIONS TO EXISTING WATER MAINS ARE TO BE UNDERTAKEN BY THE RELEVANT WATER AUTHORITY AT THE CONTRACTOR'S COST.
- ALL HOUSE CONNECTIONS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE RELEVANT AUTHORITY STANDARD DRAWINGS.

SEWERAGE

- ALL 150mm SEWER MAINS LESS THAN 5.7m DEEP ARE UPVC DWV SN8 IN ACCORDANCE WITH AS 1260-1999 UNLESS SHOWN OTHERWISE.
- ALL 100mm SEWER LINES LESS THAN 5.7m DEEP ARE UPVC SN10 IN ACCORDANCE WITH AS1260-1999 UNLESS SHOWN OTHERWISE.
- THE CONTRACTOR IS TO VERIFY FINISHED SURFACE LEVELS ON SITE PRIOR TO CONSTRUCTION OF SEWERS AND PROPERTY CONNECTION BRANCHES.
- ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE RELEVANT AUTHORITY STANDARD DRAWINGS.
- CONNECTION TO THE EXISTING SEWER NETWORK IS TO BE CARRIED OUT BY THE RELEVANT AUTHORITY AT THE CONTRACTOR'S COST.
- PROPERTY CONNECTION BRANCHES SHALL EXTEND INTO THE PROPERTY BY A MINIMUM OF 1.0m.
- TOP OF MANHOLE LEVEL SHALL BE 150mm ABOVE FINISHED SURFACE LEVEL EXCEPT IN ROADS AND PATHS WHERE THE FINISH SHALL BE FLUSH WITH THE PAVEMENT LEVEL.
- SEWER MANHOLES ARE TO BE LOCATED 15m FROM PROPERTY BOUNDARIES UNLESS NOTED OTHERWISE.
- ROAD CROSSINGS ARE TO BE BACKFILLED WITH CRUSHER DUST COMPACTED TO NOT LESS THAN 95% S.R.D.D. TO AS1289.

LEGEND:

Ex.S	EXISTING SEWER MAIN
Ex.W	EXISTING WATERMAIN
Ex.SWD	EXISTING STORMWATER DRAINAGE
---	EXISTING LOT BOUNDARY
---	EXISTING EDGE OF BITUMEN
---	EXISTING BUILDING
---	PROPOSED STORMWATER DRAINAGE REFER STP DWG C03.01
---	PROPOSED LOT BOUNDARY
---	PROPOSED ROAD CENTRELINE
---	PROPOSED CHANGE OF GRADE
---	PROPOSED TOP OF BATTER
W	PROPOSED WATER MAIN
S	PROPOSED SEWER MAIN

AMENDED IN RED

By: Anita Torbey Fuller
Date: 30 September 2020



INSET A
SCHEMATIC WATER LAYOUT

NTS

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2020/1127/1
Date: 1 October 2020

**EXISTING SERVICES**

ALL EXISTING SERVICES ARE TO BE LOCATED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORKS

EXISTING LEVELS

THE CONTRACTOR IS TO VERIFY ALL LEVELS PRIOR TO COMMENCEMENT OF WORKS. ANY DISCREPANCIES TO BE REPORTED TO THE SITE SUPERINTENDENT FOR DIRECTION

LEVEL DATUM

PSM No. 191466
LEVEL DATUM RL 4.596 AHD DERIVED

1:200 0 2 4 6 8 10 m

FORM BPRS F310A

DRAWINGS INDEXING SYSTEM
FOR PROJECT SERVICES, PLANS AND RECORDS USE ONLY

AMENDMENTS				AUTHORISED
ISSUE	DATE	SUBJECT		
1	22.09.20	FOR APPROVAL		KEM



HJD	DRAWN	FEB 2019
KEM	DISCIPLINE TEAM LEADER	FEB 2019
TJS	03/2021	FEB 2019

**OASIS TOWNSVILLE - EXTERNAL WORKS**

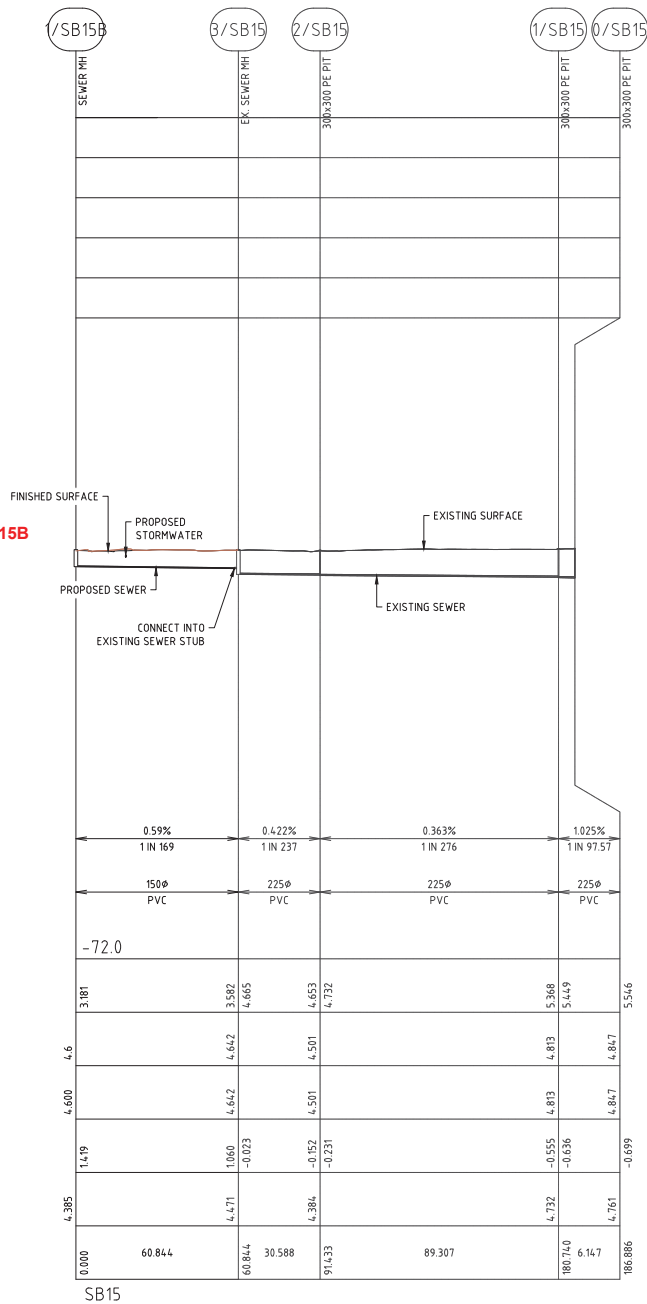
20 DARTER STREET, OONONBA
LOT 902 ON SP283211
SERVICES RETICULATION LAYOUT PLAN

SCALE	AT
MASTER SITE NUMBER	CLIENT REFERENCE NUMBER
DRAWING NUMBER	ISSUE
C05.01	1



BARCODE

PROVIDE STUBS INTO SEWER MANHOLE 1/SB15B
FOR FUTURE CONNECTION AS INDICATED
ON STP DRAWING C05.01-1



PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL



Approval no: DEV2020/1127/1
Date: 1 October 2020

AMENDED IN RED

By: Anita Torbey Fuller
Date: 30 September 2020



LEVEL DATUM

PSM No. 191466
LEVEL DATUM RL 4.596 AHD DERIVED

FORM BPRS F301A

DRAWINGS INDEXING SYSTEM
FOR PROJECT SERVICES, PLANS AND RECORDS USE ONLY

AMENDMENTS				AUTHORISED
ISSUE	DATE	SUBJECT		
1	22.09.20	FOR APPROVAL		KEM



HJD
DRAWN
FEB 2019
DATE

KEM
DISCIPLINE TEAM LEADER
FEB 2019
DATE

TJS
03021
FEB 2019
DATE

AUTHORISED FOR ISSUE



OASIS TOWNSVILLE - EXTERNAL WORKS
20 DARTER STREET, OONONBA
LOT 902 ON SP283211
SEWER LONGITUDINAL SECTION PLAN

SCALE		AT	
1:1		A1 SIZE	
MASTER SITE NUMBER		CLIENT REFERENCE NUMBER	
18338		18338	
DRAWING NUMBER		ISSUE	SHEET NO
C05.02		1	



BARCODE

NOTES

- FOR OVERARCHING NOTES REFER TO C00.02

NOTE:
ACTUAL LOCATIONS OF SEDIMENT CONTROL DEVICES
MAY VARY ACCORDING TO SITE CONDITIONS

CUT AND FILL LEGEND

NOTE: CUT AND FILL AREAS ARE FROM
EXISTING SURFACE TO DESIGN SURFACE

FILL AREA-- ALL FILL AREAS ARE TO
BE INITIALLY FILLED IN THE LOWER
LAYERS WITH ALL OF THE FILL
MATERIAL GENERATED ON SITE,

CUT AREA-- ALL AREAS OF CUT
WITHIN THE PROJECT TO BE
OVER-EXCAVATED BY A MINIMUM OF
50mm

LEGEND

SF4 STRUCTURE NAME

MANHOLE PROTECTION REFER DWG.
REFER DWG. C06.03 FOR
DETAILS.

CONSTRUCTION ENTRY/EXIT,
REFER DWG. C06.03 FOR
DETAILS.

SEDIMENT FENCE WITH RETURNS @
20m CENTRES, REFER DWG.
REFER DWG. C06.03 FOR
DETAILS.

SEDIMENT FENCE SPILL THROUGH WEIR
REFER DWG. C06.03 FOR
DETAILS.

CE#

SF#

SFW#

EXISTING SERVICES

ALL EXISTING SERVICES ARE TO BE
LOCATED BY THE CONTRACTOR PRIOR
TO COMMENCEMENT OF WORKS

EXISTING LEVELS

THE CONTRACTOR IS TO VERIFY ALL
LEVELS PRIOR TO COMMENCEMENT OF
WORKS. ANY DISCREPANCIES TO BE
REPORTED TO THE SITE
SUPERINTENDENT FOR DIRECTION

LEVEL DATUM

PSM No. 1914.66
LEVEL DATUM RL 4.596 AHD DERIVED

1:500 0 5 10 15 20 25m

ALL SEDIMENT FENCE SPILL THROUGH WEIRS TO BE
LOCATED AT LOW POINTS IN SEDIMENT FENCING

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2020/1127/1

Date: 1 October 2020



AMENDED IN RED

By: Anita Torbey Fuller

Date: 30 September 2020



FORM BPRS F101A

DRAWINGS INDEXING SYSTEM
FOR PROJECT SERVICES, PLANS AND RECORDS USE ONLY

AMENDMENTS

ISSUE	DATE	SUBJECT	AUTHORISED
1	21.02.20	FOR CONSTRUCTION	KEM



HJD	FEB 2019
DRAWN	DATE
KEM	FEB 2019
DISCIPLINE TEAM LEADER	DATE
TJS	FEB 2019
03321	DATE
AUTHORISED FOR ISSUE	



OASIS TOWNSVILLE - EXTERNAL WORKS
20 DARTER STREET, OONONBA
SOIL EROSION SEDIMENT CONTROL
CONSTRUCTION PHASE

SCALE		AT	
AS SHOWN		A1 SIZE	
MASTER SITE NUMBER		CLIENT REFERENCE NUMBER	
		18338	
DRAWING NUMBER		ISSUE	SHEET NO
C06.01		1	



BARCODE

NOTES

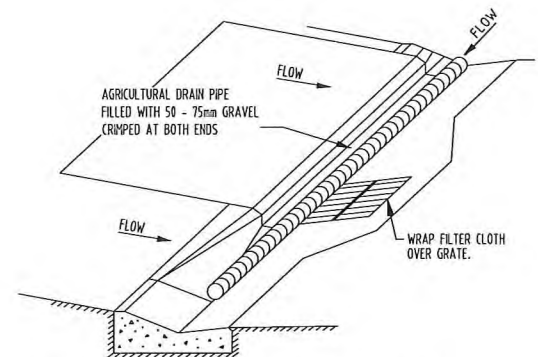
1. FOR OVERARCHING NOTES REFER TO C00.02

NOTE:

ACTUAL LOCATIONS OF SEDIMENT CONTROL DEVICES
MAY VARY ACCORDING TO SITE CONDITIONS

LEGEND

- EXISTING BITUMEN SURFACE
- PROPOSED POROUS PAVEMENT
- PROPOSED BITUMEN SURFACING
- PROPOSED CONCRETE PAVEMENT
- PROPOSED CONCRETE FOOTPATH
- PROPOSED TURFED AREA, REFER TO LANDSCAPE ARCHITECTS PLANS
- PROPOSED MULCHED AREA, REFER TO MISCELLANEOUS DETAIL
- KERB INLET PROTECTION
REFER FOR DETAILS.
- 1m TURF STRIP BEHIND KERB



KERB INLET PROTECTION DETAIL
TO BE INSTALLED IMMEDIATELY AFTER COMPLETION OF
KERB INLET

EXISTING SERVICES

ALL EXISTING SERVICES ARE TO BE
LOCATED BY THE CONTRACTOR PRIOR
TO COMMENCEMENT OF WORKS

EXISTING LEVELS

THE CONTRACTOR IS TO VERIFY ALL
LEVELS PRIOR TO COMMENCEMENT OF
WORKS. ANY DISCREPANCIES TO BE
REPORTED TO THE SITE
SUPERINTENDENT FOR DIRECTION

LEVEL DATUM

PSM No. 191466
LEVEL DATUM RL 4.596 AHD DERIVED

1:500 0 5 10 15 20 25 m

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2020/1127/1
Date: 1 October 2020



FORM BPRS F101A

DRAWINGS INDEXING SYSTEM
FOR PROJECT SERVICES, PLANS AND RECORDS USE ONLY

AMENDMENTS

ISSUE	DATE	SUBJECT	AUTHORISED
1	21.02.20	FOR CONSTRUCTION	KEM
2	30.07.20	REVISED CONSTRUCTION ISSUE	KEM



**Queensland
Government**
Department of Housing and Public Works

HJD	FEB 2019
DRAWN	DATE
KEM	FEB 2019
DISCIPLINE TEAM LEADER	DATE
TJS	FEB 2019
AUTHORISED FOR ISSUE	DATE



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Brisbane Ph: (07) 3539 8300
Colins Ph: (07) 3539 8300
Mackay Ph: (07) 3539 8350
www.stpconsultants.com.au

OASIS TOWNVILLE - EXTERNAL WORKS
20 DARTER STREET, OONONBA
SOIL EROSION SEDIMENT CONTROL
ON MAINTENANCE STORMWATER QUALITY

SCALE	AT
AS SHOWN	A1 SIZE
MASTER SITE NUMBER	CIENT REFERENCE NUMBER
	18338
DRAWING NUMBER	ISSUE
C06.02	2
	SHEET NO



BARCODE

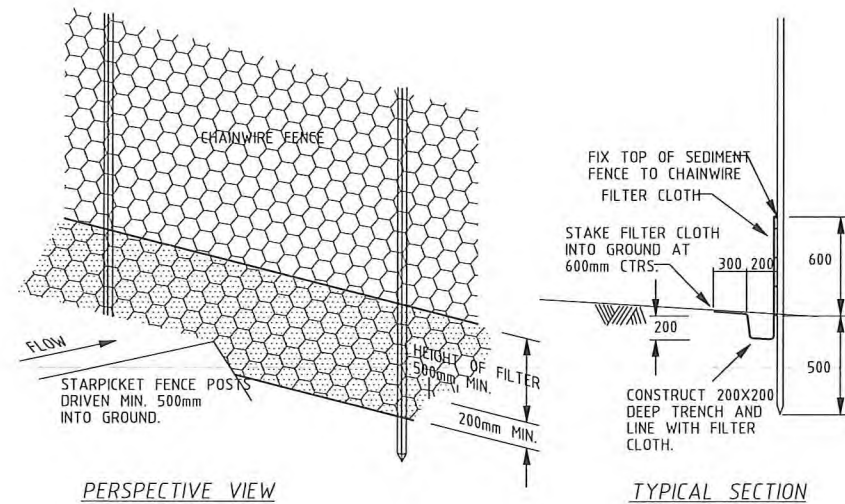
SEDIMENT FENCE NOTES

WOVEN WIRE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.

FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 600MM AT TOP OF MID SECTION.

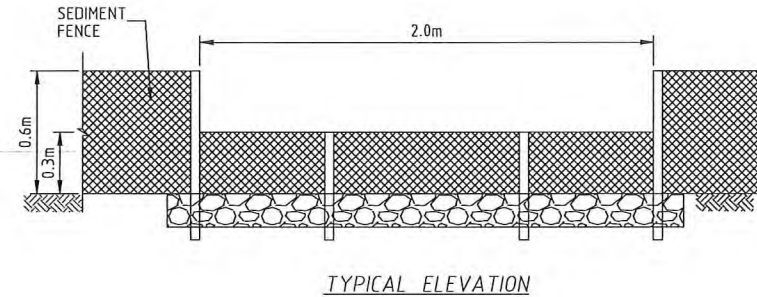
WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 150MM AND FOLDED.

MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.



PERSPECTIVE VIEW

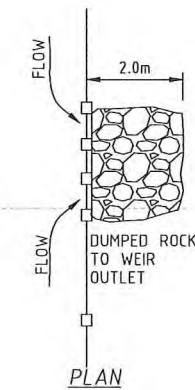
TYPICAL SECTION



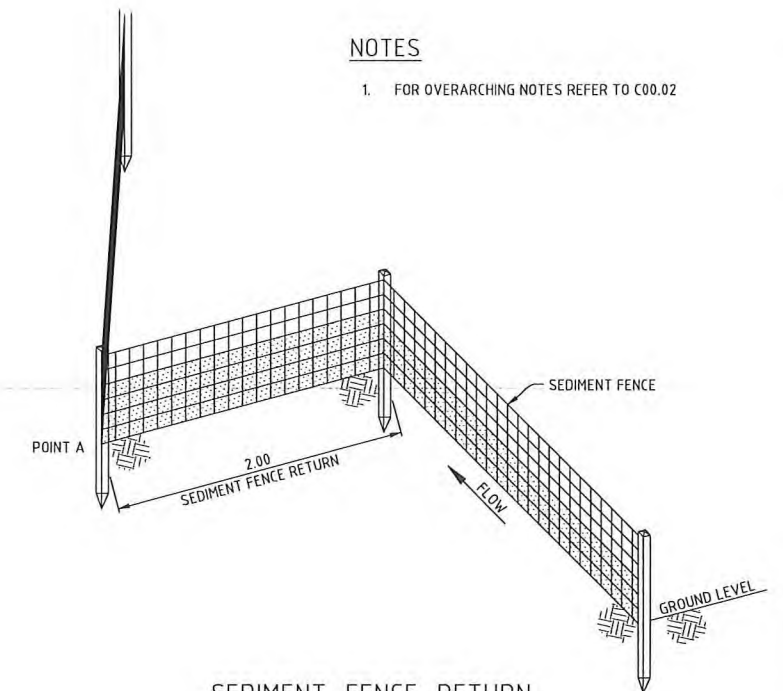
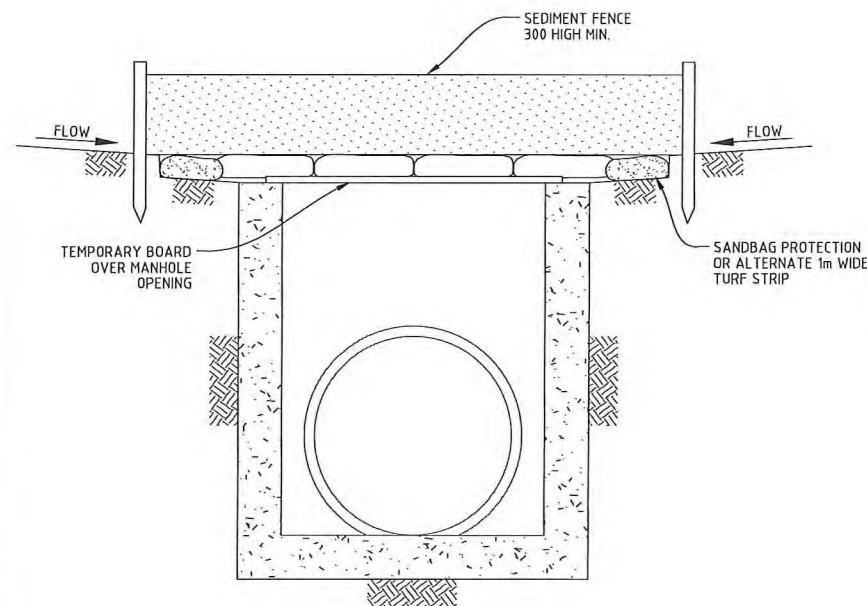
TYPICAL ELEVATION

SPILL THROUGH WEIR
NOT TO SCALE

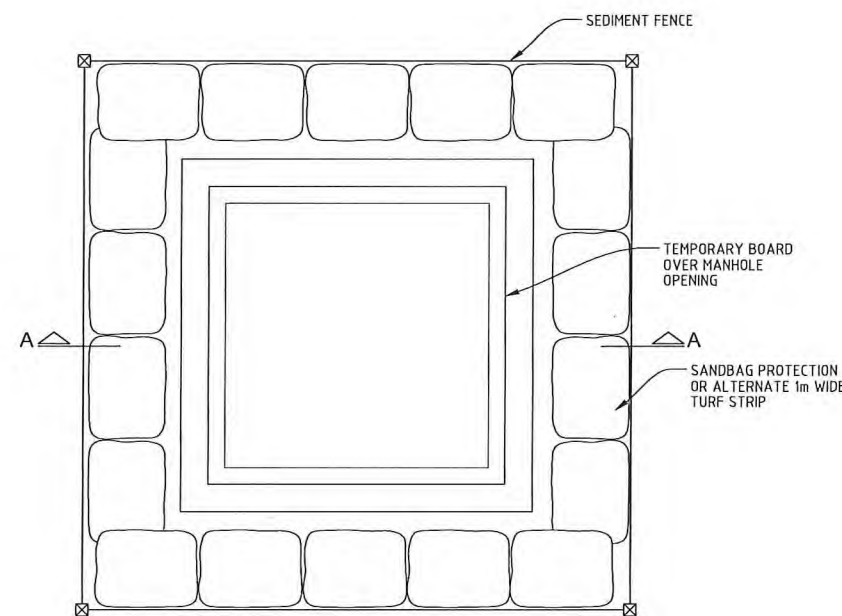
SEDIMENT FENCE DETAILS



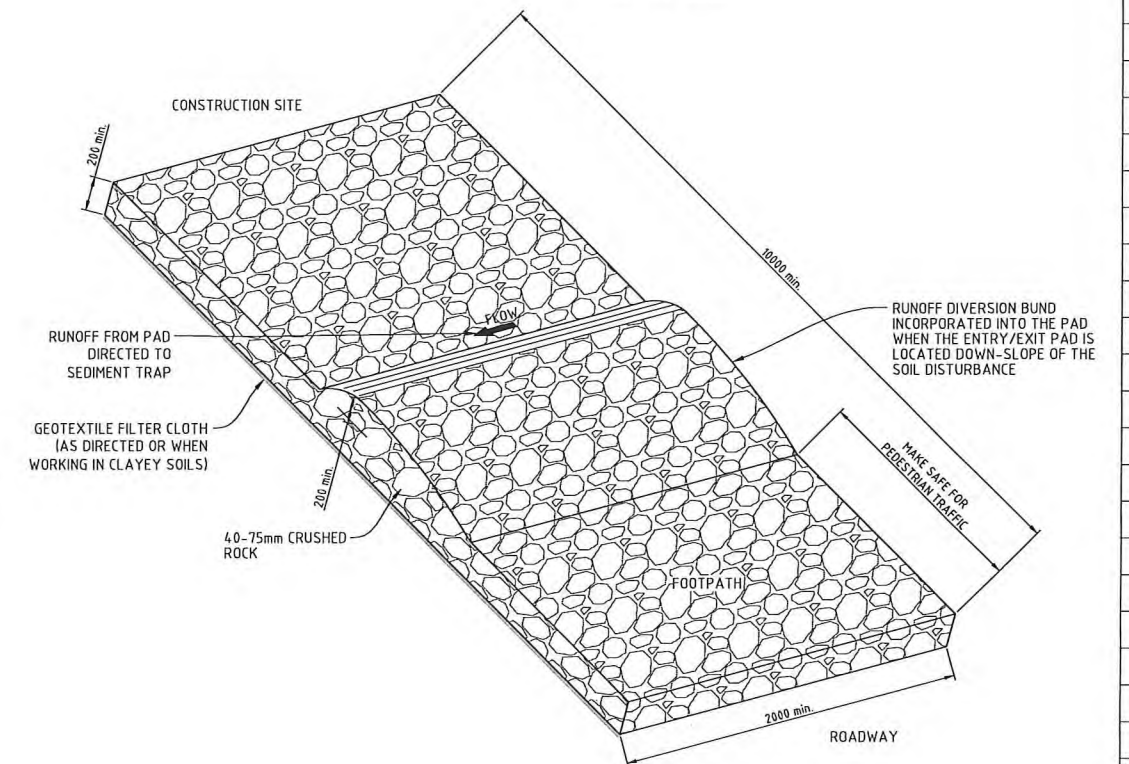
PLAN

SEDIMENT FENCE RETURN
REQUIRED AT MAXIMUM 20m INTERVALS
NOT TO SCALE

SECTION A-A



PLAN

MANHOLE PROTECTION DETAILS
TO BE INSTALLED IMMEDIATELY AFTER COMPLETION
OF MANHOLECONSTRUCTION ENTRY/EXIT DETAIL
NOT TO SCALE

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2020/1127/1
Date: 1 October 2020



FORM BPRS F101A

DRAWINGS INDEXING SYSTEM
FOR PROJECT SERVICES, PLANS AND RECORDS USE ONLY

AMENDMENTS

ISSUE	DATE	SUBJECT	AUTHORISED
1	21 02 20	FOR CONSTRUCTION	KEM

Queensland
Government
Department of Housing and Public Works

HJD
DRAWN
FEB 2019
DATE

KEM
DISCIPLINE TEAM LEADER
FEB 2019
DATE

TJS
03321
AUTHORISED FOR ISSUE
FEB 2019
DATE

STP
CONSULTANTS
STP Project No: STP19-0748

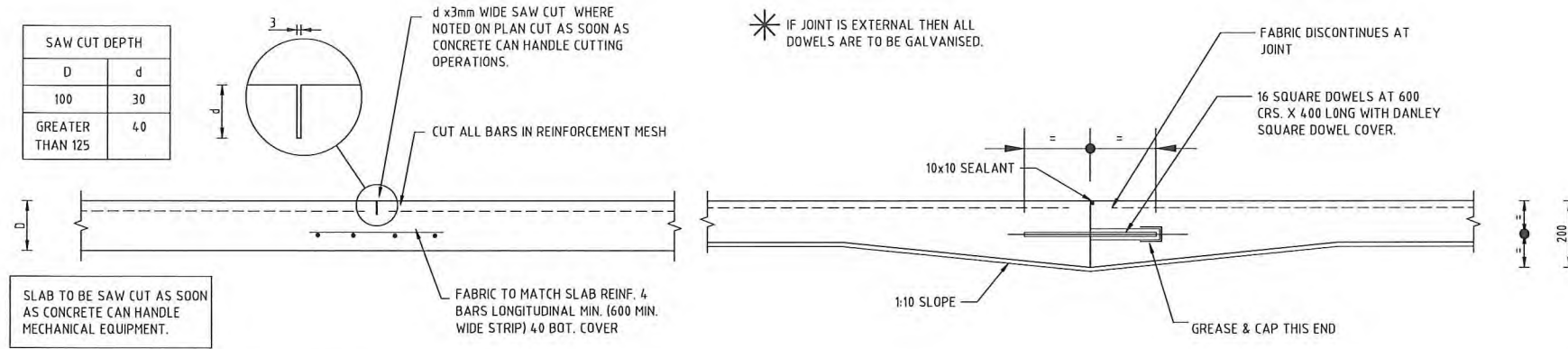
Townsville Ph: (07) 3539 8359
Brisbane Ph: (07) 3539 8300
Cairns Ph: (07) 3539 8350
Hervey Bay Ph: (07) 3539 8390
www.stpconsultants.com.au

OASIS TOWNSVILLE - EXTERNAL WORKS
20 DARTER STREET, OONONBA
LOT 902 ON SP283211
SOIL EROSION SEDIMENT CONTROL

SCALE AT
NO SCALE A1 SIZE
MASTER SITE NUMBER CLIENT REFERENCE NUMBER
18338
DRAWING NUMBER ISSUE SHEET NO
C06.03 1

NOTES

1. FOR OVERARCHING NOTES REFER TO C00.02

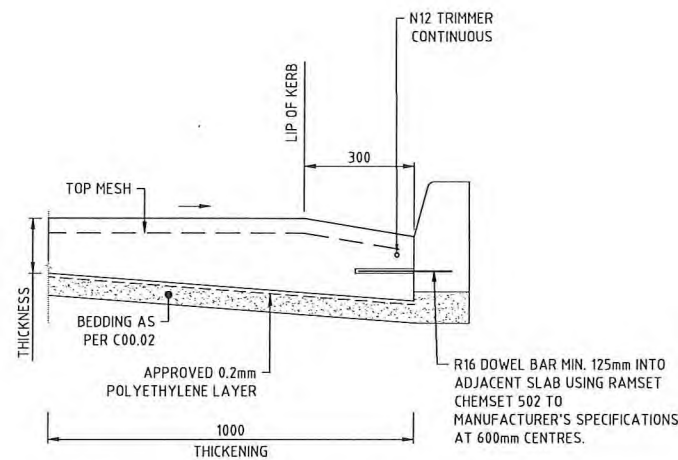


SAW CUT JOINT (SCJ)

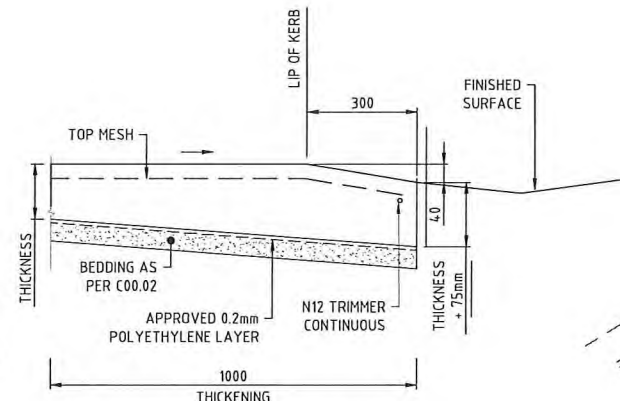
DOWEL JOINT (DJ)

SLAB THICKNESS	CONCRETE STRENGTH	MESH SIZE, COVER, LAYERS	DOWEL TYPE	DOWEL SIZE & LENGTH	CENTRES	SAW-CUT DEPTH
100	N25	SL72, 30 MIN TOP, SINGLE	ROUND SQUARE	16 x 400	300	30 x 3
	N32	SL82, 40 MIN TOP, SINGLE	DIAMOND	6x110x110	300	
150	N32	SL82, 40 MIN TOP, SINGLE	ROUND SQUARE	20 x 400	400	40 x 3
			DIAMOND	6x110x110	450	
175 / 180	N32	SL82, 40 MIN TOP, SINGLE	ROUND SQUARE	20 x 400	400	40 x 3
			DIAMOND	25 x 400	350	
				10x110x110	450	

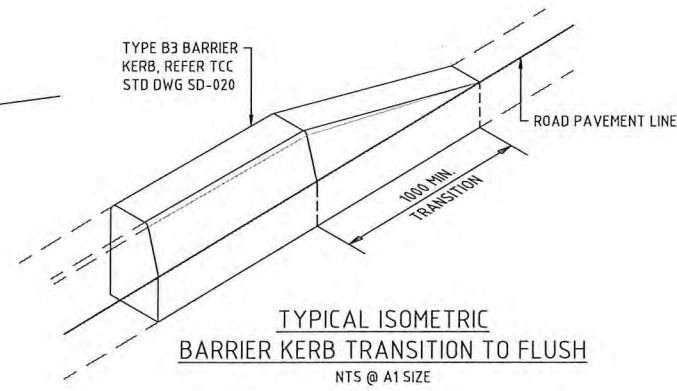
* SLAB TO BE SAW-CUT AS SOON AS CONCRETE CAN HANDLE MECHANICAL EQUIPMENT.



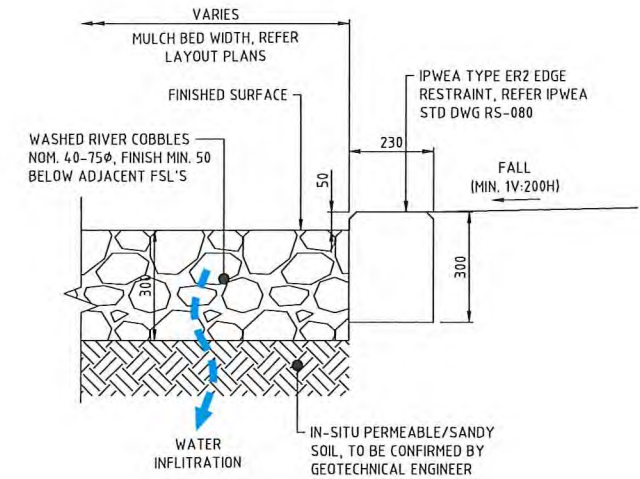
FORMED EDGE DETAIL (FE1)
NTS



FORMED EDGE DETAIL (FE2)
NTS

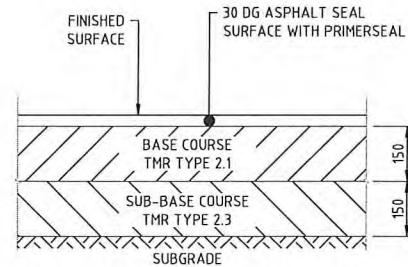


TYPICAL ISOMETRIC
BARRIER KERB TRANSITION TO FLUSH
NTS @ A1 SIZE



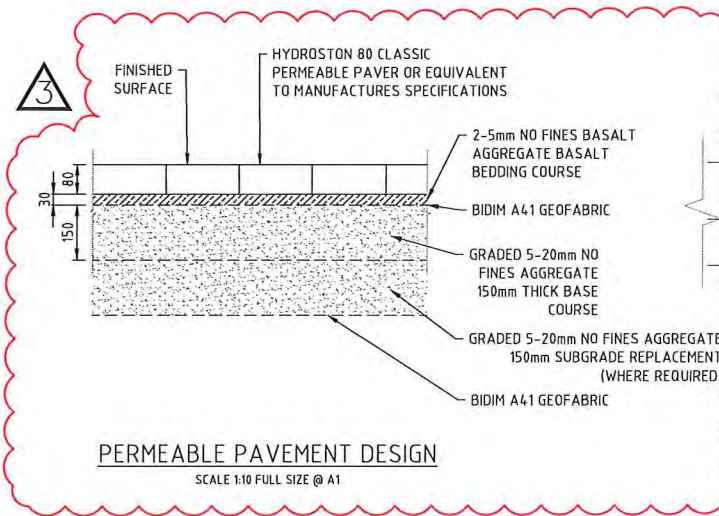
TYPICAL DETAIL
MULCH BED (ER)

SCALE 1:10 @ A1
DIMENSIONS IN MILLIMETRES



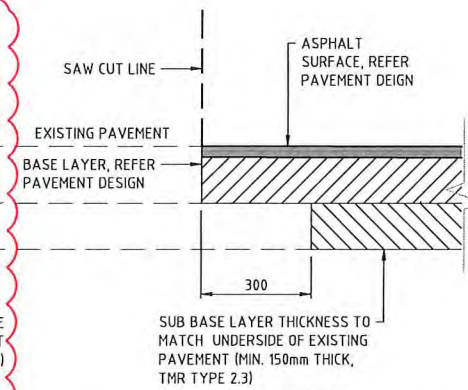
PROVISIONAL FLEXIBLE
PAVEMENT DESIGN

SCALE 1:10 FULL SIZE @ A1
ASSUMED SUBGRADE CBR 5



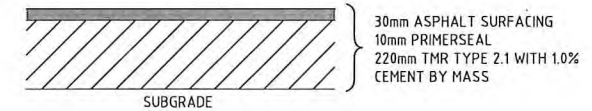
PERMEABLE PAVEMENT DESIGN

SCALE 1:10 FULL SIZE @ A1



TYPICAL DETAIL
SAWCUT INTO EXISTING PAVEMENT

SCALE 1:10 @ A1
DIMENSIONS IN MILLIMETRES



NOTE: PROVISIONAL DESIGN BASED ON MIN. SOAKED CBR OF 5, IF IN SITU SUBGRADE CBR <3 REPLACE UNSUITABLE SUBGRADE TO 300mm DEPTH WITH CBR 15 MATERIAL

REINSTATED PAVEMENT
DESIGN

NTS

LEVEL DATUM

PSM No. 1914.66
LEVEL DATUM RL 4,596 AHD DERIVED

1:10 0 0.1 0.2 0.3 0.4 0.5m

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2020/1127/1

Date: 1 October 2020



FORM BPRS F101A

DRAWINGS INDEXING SYSTEM
FOR PROJECT SERVICES, PLANS AND RECORDS USE ONLY

AMENDMENTS

ISSUE	DATE	SUBJECT	AUTHORISED
1	21.02.20	FOR CONSTRUCTION	KEM
2	29.07.20	REVISED CONSTRUCTION ISSUE	KEM
3	30.07.20	PERMEABLE PAVEMENT REVISED	KEM



Department of Housing and Public Works

HJD	FEB 2019
DRAWN	DATE
KEM	FEB 2019
DISCIPLINE TEAM LEADER	DATE
TJS	FEB 2019
03321	DATE
AUTHORISED FOR ISSUE	



STP Project No: STP18-0748

OASIS TOWNSVILLE - EXTERNAL WORKS

20 DARTER STREET, OONONBA

LOT 902 ON SP283211

MISCELLANEOUS DETAILS

SCALE			
AT			
A1 SIZE			
MASTER SITE NUMBER	CLIENT REFERENCE NUMBER		
	18338		
DRAWING NUMBER	ISSUE	SHEET NO	
C06.05	3		