

GENERAL NOTES

3. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH FOLLOWING CURRENT SPECIFICATIONS AND STANDARDS (IN ORDER OF PRIORITY):
 - CITY OF GOLD COAST PLANNING SCHEME
 - SOUTH EAST QUEENSLAND SEWERAGE CODE (SEQ SEWER CODE)
 - SEWERAGE CODE OF AUSTRALIA WSA02-2002 V2.3
2. UNLESS SPECIFIED OTHERWISE ALL MATERIALS AND WORK SHALL COMPLY WITH THE RELEVANT AUSTRALIAN STANDARDS.
3. THE CONSTRUCTION OF THE SEWERAGE WORK SHOWN ON THIS DRAWING SHALL BE SUPERVISED BY AN ENGINEER WHO HAS RPEQ REGISTRATION. SEWERAGE WORKS NOT COMPLYING WITH THIS REQUIREMENT WILL NOT BE PERMITTED TO CONNECT INTO THE SEQ SERVICE PROVIDER SEWERAGE SYSTEM.
4. ALL WORK ASSOCIATED WITH LIVE SEWERS OR MAINTENANCE HOLES SHALL BE CARRIED OUT BY THE CONTRACTOR AT THE DEVELOPER'S COST, WITH A VALID NETWORK ACCESS PERMIT.
5. ALL PIPES AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE "ACCEPTED PRODUCTS AND MATERIALS" LIST.
6. PROPERTY CONNECTIONS SHALL BE LOCATED WITHIN THE PROPERTY AS SHOWN IN THE DRAWINGS.
7. PROPERTY CONNECTION BRANCHES SHALL EXTEND INTO THE PROPERTY A MINIMUM OF 300 mm AND A MAXIMUM OF 750 mm.
8. WHERE PIPES ARE LAID IN FILL, THE FILLING SHALL BE CARRIED OUT IN LAYERS NOT EXCEEDING 300 mm (LOOSE) IN DEPTH AND SHALL BE COMPACTED UNTIL THE COMPACTION IS NOT LESS THAN 95% OF THE MATERIALS MAXIMUM COMPACTION WHEN TESTED IN ACCORDANCE WITH A.S. 1289 (MODIFIED COMPACTION). TESTING SHALL BE CARRIED OUT AFTER EACH ALTERNATE LAYER. IN ALL SUCH CASES APPROVAL OF CONSTRUCTED SEWERS WILL NOT BE ISSUED BY THE SEQ SERVICE PROVIDER UNLESS CERTIFICATES ARE PRODUCED CERTIFYING THAT THE REQUIRED COMPACTION HAS BEEN ACHIEVED.
9. WHERE GRAVITY SEWERS HAVE A GRADE OF 1 IN 20 OR STEEPER BULKHEADS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SEQ SEWER CODE.
10. WHERE RISING SEWERS HAVE A GRADE BETWEEN 5-15% TRENCH STOPS SHALL BE INSTALLED AT A SPACING (S) OF $S=100/\text{GRADE\%}$ IN ACCORDANCE WITH THE SEQ WATER CODE.
11. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF EXISTING SERVICES WITH RELEVANT AUTHORITIES BEFORE COMMENCING WORKS.
12. SEWERS SHALL BE DISUSED /ABANDONED IN ACCORDANCE WITH PROCEDURES SET OUT IN THE SEQ SEWER CODE.
13. BENCH MARK AND LEVELS TO AHD.
14. CONCRETE FOR MANHOLE CONSTRUCTION SHALL BE SPECIAL CLASS TO WSA PS-358 WITH THE REQUIREMENT FOR CALCAREOUS AGGREGATE.
15. DETECTABLE MARKER TAPE SHALL BE INSTALLED ON ALL SEWER MAINS.

SAFETY

1. THE DESIGN AND CONSTRUCTION OF THE WORKS SHALL COMPLY WITH ALL QUEENSLAND LEGISLATION.

REHABILITATION

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

CREEK CROSSINGS

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.

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: (DELETE IF NO ACID SULPHATE SOILS)

VEGETATION PROTECTION

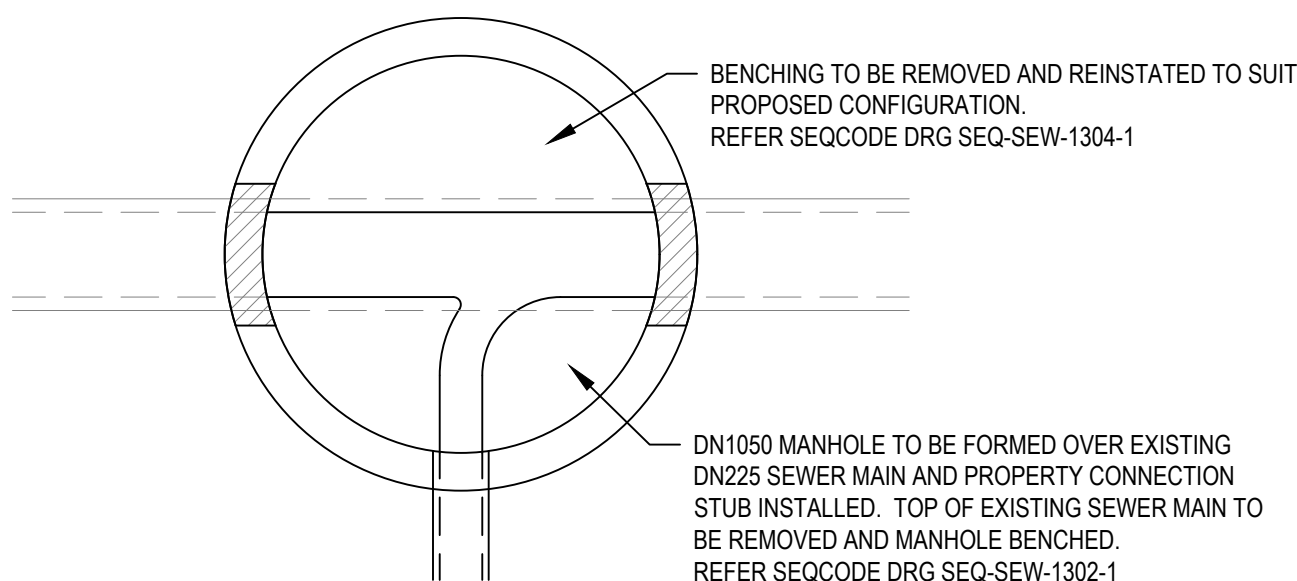
1. TREES LOCATED ALONG THE FOOTPATH SHALL BE, TRANSPLANTED PRIOR TO CONSTRUCTION, OR REPLACED IF DESTROYED.
2. WHEN WORKING WITHIN 4 M OF TREES, RUBBER OR HARDWOOD GIRDLES SHALL BE CONSTRUCTED WITH 1.8 M BATTENS CLOSELY SPACED AND ARRANGED VERTICALLY FROM GROUND LEVEL. GIRDLES SHALL BE STRAPPED TO TREES 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.

TRENCH NOTES

1. BEARING PRESSURE AT THE BOTTOM OF EXCAVATION IS TO BE TESTED AS PER THE SEQ WATER SERVICE PROVIDERS CODE STANDARD DRAWING SEQ-SEW-1200-1.
2. WHERE THE BOTTOM OF AN EXCAVATION IS FOUND TO BE FIRM OR STRONGER TYPE 3 TRENCH (REFER SEQ-SEW-1201-1) IS TO BE USED.
3. WHERE THE BOTTOM OF AN EXCAVATION IS FOUND TO BE SOFT OR WEAKER, THE TYPE 7 (REFER SEQ-SEW-1202-1) IS TO BE USED.

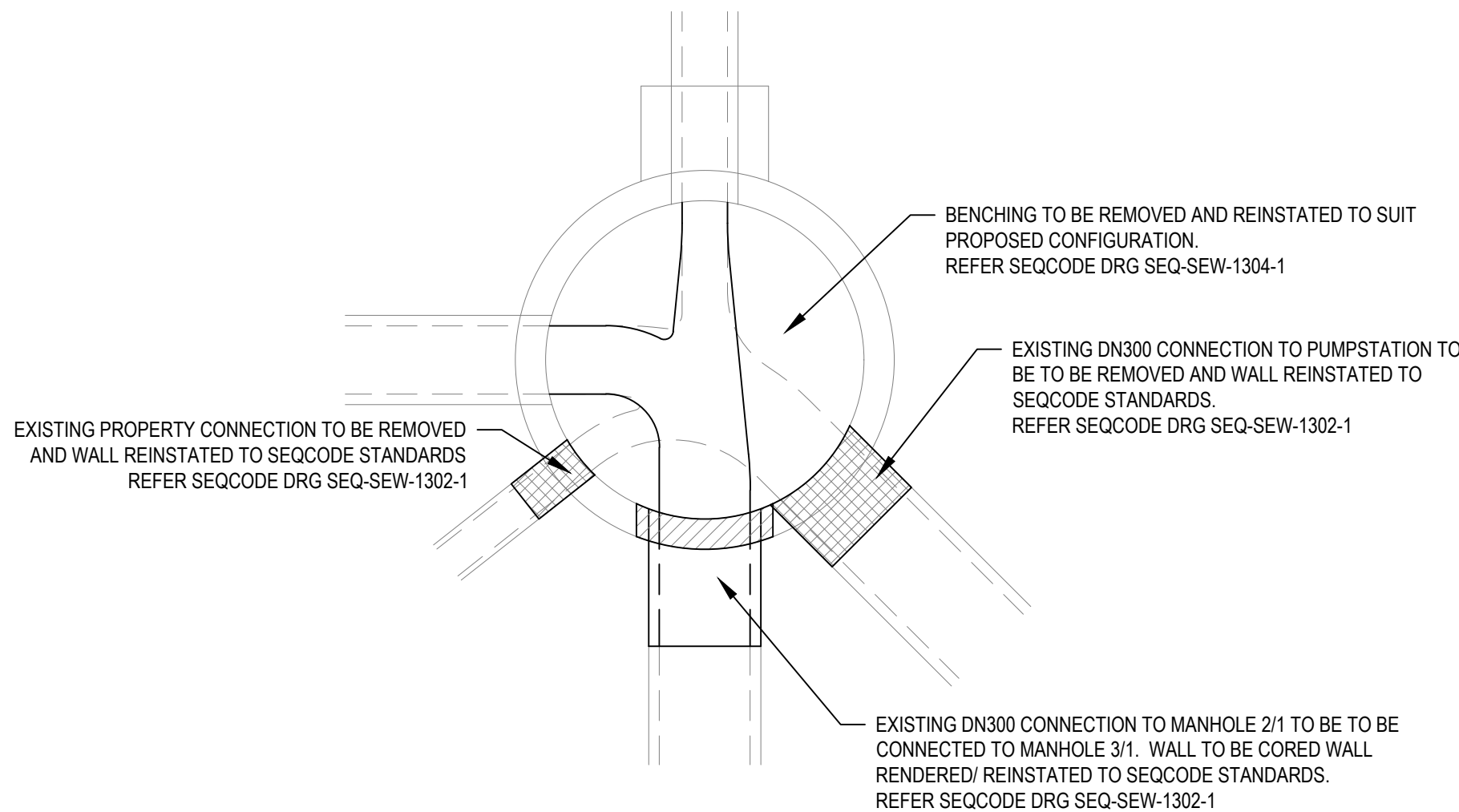
GOLD COAST WATER AND CONTRACTOR LIVE SEWER WORKS

NO.	DESCRIPTION	DIA SEWER	MH NO	MH/MS TYPE	COVER TYPE	LOT NO	F.S.L	E.S.L	IL	DEPTH TO INVERT
1 (A)	CONTRACTOR TO CONSTRUCT NEW MAINTENANCE HOLE 3A/1 WITH PROPERTY CONNECTION STUB (TEMPORARILY END CAPPED) OVER EXISTING SEWER AND BENCH AND RENDER UP TO PIPE BUT NOT REMOVE CROWN OF PIPE.	225	3A/1	P2	D			7.930	5.706	2.224
1 (B)	CONTRACTOR TO REDIRECT PROPERTY CONNECTION FROM LOT 1 TO MAINTENANCE HOLE 3A/1. LOT 1 TO BE PLUG AND PUMP-OUT TO OCCUR FOR DURATION OF WORKS.	225	3A/1	P2	D			7.930	5.706	2.224
1 (C)	GOLD COAST WATER TO REMOVE CROWN OF PIPE AND COMPLETE BENCHING AFTER SUCCESSFUL "ON MAINTENANCE" INSPECTION OF MANHOLE.	150, 225 & 300	3/1	P2	D			7.890	5.580	2.310
2 (A)	GOLD COAST WATER TO CONNECT EXISTING DN300 OUTLET PIPE TO MAINTENANCE HOLE 3/1.	150, 225 & 300	3/1	P2	D			7.890	5.580	2.310
2 (B)	GOLD COAST WATER TO CAP AND ABANDON OUTLET TO PUMPSTATION AND PROPERTY CONNECTION STUB. BENCHING TO BE MODIFIED TO SUIT UPDATED CONFIGURATION.	150, 225 & 300	3/1	P2	D			7.890	5.580	2.310



SEWER MANHOLE 3A/1 DETAIL

NTS



SEWER MANHOLE 3/1 AND BENCHING MODIFICATION DETAIL

NTS

B	RESPONSE TO INFORMATION REQUEST	T.S.	D.J.	T.S.	T.S.	30.01.2025			
A	FOR APPROVAL	T.S.	D.J.	T.S.	T.S.	26.11.2024			
No	DESCRIPTION	DES	DRN	CHK	APP	DATE			
REVISION HISTORY									



Engineers Certification:

Travis Smith MIE Aust. CPEng.
NPER Civil
RPEQ 16400
CPESC 9500

Signature: 1.82

Date: 30 / 01 / 2025

STATUS	
FOR APPROVAL NOT FOR CONSTRUCTION	
SIZE	HEIGHT DATUM
A1	AHD
COORDINATE REFERENCE SYSTEM	
GDA2020 MGA Z54	
PRINT IN COLOUR	

PROJECT	CHRISTENSEN ROAD SUBDIVISION
TITLE	SEWER REDIRECTION NOTES AND DETAILS
DRAWING No.	20-099-C120-03