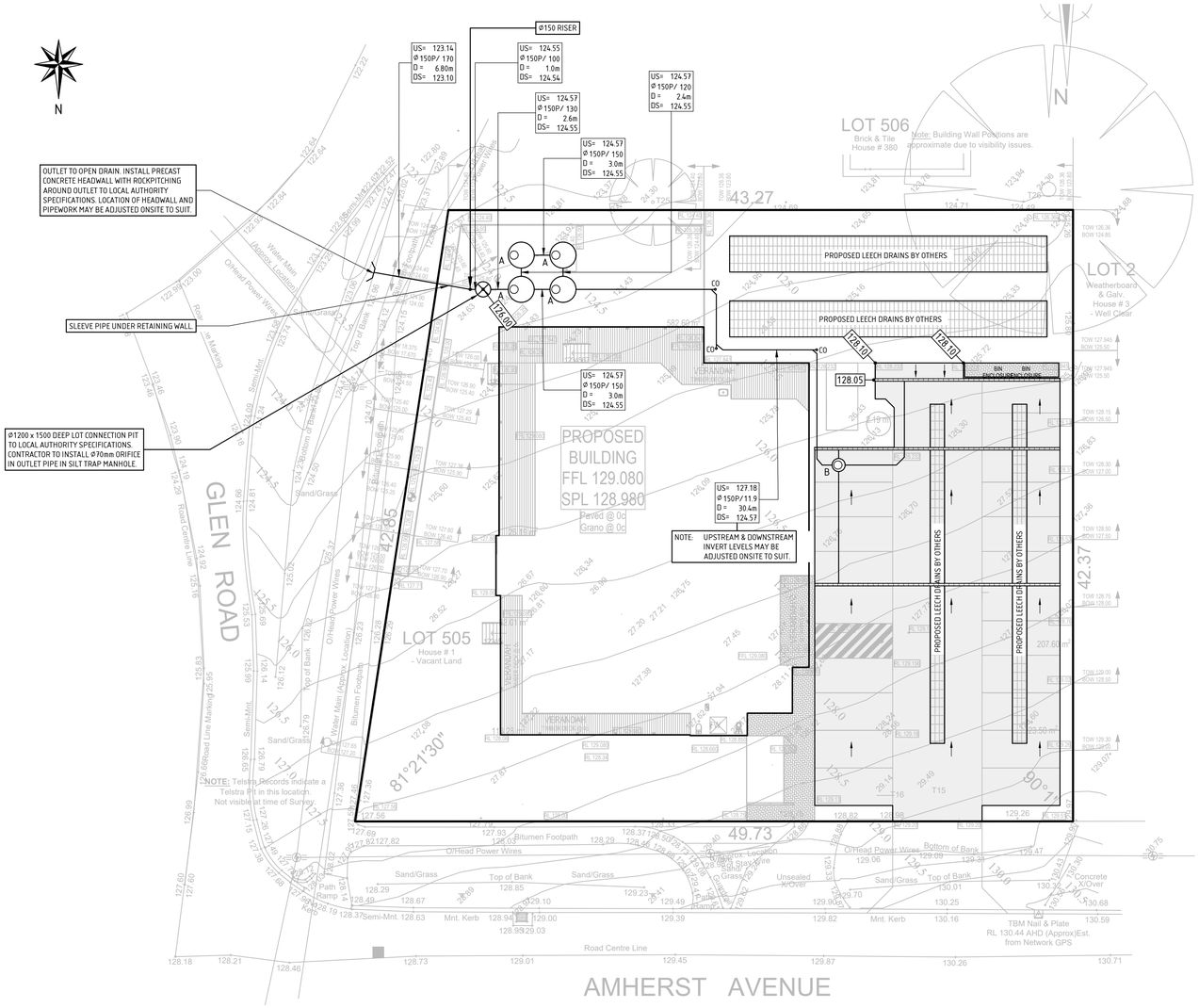
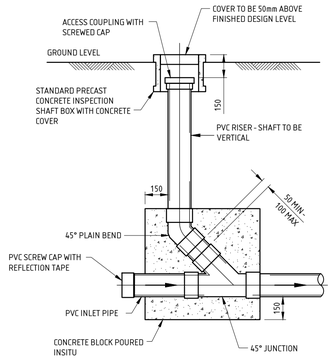


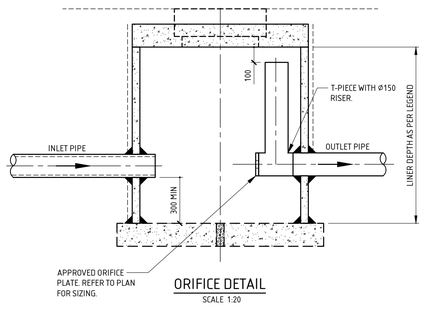
STORMWATER DRAINAGE PLAN

SCALE 1:200



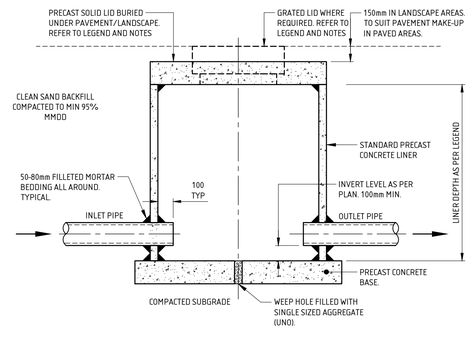
CLEAN OUT 'C.O' DETAIL

SCALE 1:20



ORIFICE DETAIL

SCALE 1:20



TYPICAL MANHOLE DETAIL

SCALE 1:20

- MANHOLES TO BE TO BE POSITIONED A MIN OF 2.0m FROM ANY PROPOSED OR EXISTING FOUNDATIONS.
- MANHOLES TO BE POSITIONED DEPTH OF MANHOLE FROM ANY PROPOSED OR EXISTING FOUNDATIONS WHEN SOLID BASE WITHOUT A WEEPHOLE IS USED.

DRAINAGE LEGEND:

11.21	EXISTING SPOT LEVEL (m)
——— ——— o ———	EXISTING DRAINAGE.
——— ——— s ———	EXISTING WATER CORPORATION SEWER MAIN.
←	DIRECTION OF FLOW.
	OVERLAND FLOW PATH FOR LARGER STORM EVENTS.
	EXISTING LOCAL AUTHORITY MANHOLE.
	LCP - LOT CONNECTION PIT WITH MIN 300mm TRAP TO LOCAL AUTHORITY SPECIFICATIONS.
F.F.L. 9.750	FINISHED FLOOR LEVEL (m)
10.00	FINISHED PAVING LEVEL (m)
	SOAKWELL WITH PVC RISER (WHERE REQUIRED)
	PROPOSED Ø150 PVC INTERCONNECTING PIPE WITH MIN GRADE OF 1 in 180
DRP	DOMESTIC RAINWATER PIT ('EVERHARD' OR SIMILAR APPROVED). SHOWN AT INDICATIVE LOCATIONS.
TRP	TRAFFICABLE RAINWATER PIT ('EVERHARD' SERIES 450' OR SIMILAR APPROVED). SHOWN AT INDICATIVE LOCATIONS.
DP	PROPOSED PVC DOWNPIPE CONNECTIONS. PLACE AT 1:100 MIN GRADE. PROVIDE MIN 300 COVER. SHOWN AT INDICATIVE LOCATIONS, ACTUAL NUMBER AND LOCATIONS TO PLUMBERS SPECIFICATIONS.
	PROVIDE 300mm APPROVED DRAIN (WHERE SHOWN) & CONNECT IN TO NEAREST SOAKWELL VIA Ø150 PVC PIPE.
A	PROPOSED Ø1800 x 1200 STORMWATER MANHOLE WITH SOLID LID.
B	PROPOSED Ø900 x 900 STORMWATER MANHOLE WITH CLASS 'D' ACCESSIBLE LID & NO WEEP HOLE. (ENSURE FULLY SEALED)
US= XXX Ø 150P/XXX D = XXX DS= XXX	PIPE DOCUMENTATION INFO SHOWING PROPOSED UPSTREAM / DOWNSTREAM LEVELS / DIA. OF PIPE @ GRADE AND DISTANCE OF PIPE
CO	CLEAN OUT POINT

NOTES:

1. CHECK ALL DIMENSIONS ON SITE. READ ALL ENGINEERING DRAWINGS IN CONJUNCTION WITH ARCHITECTURAL AND SURVEY DRAWINGS. ANY DISCREPANCIES BETWEEN ENGINEERING DRAWINGS AND ARCHITECTURAL DRAWINGS SHALL BE CONFIRMED PRIOR TO COMMENCING CONSTRUCTION. DO NOT SCALE FROM THESE DRAWINGS.
2. ALL WORK TO BE IN ACCORDANCE WITH THE CURRENT VERSION OF "AS3500 PLUMBING & DRAINAGE", THE "BUILDING CODE OF AUSTRALIA (BCA)", THE "NATIONAL CONSTRUCTION CODE (NCC)" AND THE LOCAL AUTHORITY'S STANDARD SPECIFICATIONS.
3. LOT CONNECTION PIT TO LOCAL AUTHORITY SPECIFICATIONS.
4. ALL MANHOLES ARE TO BE SET BACK FROM ALL BUILDINGS ON THE SITE INCLUDING ANY STRUCTURE LOCATED ON THE BOUNDARY AS PER DETAIL, UNO.
5. WHERE MANHOLES ARE LOCATED IN THE AREAS SUBJECT TO VEHICULAR LOADING, STANDARD TRAFFICABLE LIDS ARE TO BE INSTALLED.
6. ALL DRAINAGE PIPEWORK SHALL BE PVC CLASS HD STORMWATER, UNLESS WHERE LOCATED UNDERNEATH ANY STRUCTURES PIPEWORK SHALL BE PVC SEWER CLASS SN8.
7. ALIGNMENT OF PIPES SHALL BE AS SHOWN ON THE PLAN AND SHALL BE TO THE PIPE OR MANHOLE CENTERLINE.
8. BEFORE CONSTRUCTION COMMENCES, THE CONTRACTOR SHALL;
   a. CHECK ON SITE THE LOCATION OF THE EXISTING SERVICES WITH THE APPROPRIATE AUTHORITY. ENSURE PROPOSED STORMWATER PIPE DOES NOT CLASH WITH ANY EXISTING SERVICES.
   b. ARRANGE FOR THE LOCATION AND THE LEVEL OF THE CONNECTION POINT TO EXISTING STORMWATER MANHOLE TO BE VERIFIED BY A SURVEYOR.
   c. CONFIRM THAT BOUNDARY PEGS OR OTHER SURVEY REFERENCE POINTS TO BE USED IN SETTING OUT OF THE PROJECT ARE LOCATED IN THE CORRECT POSITIONS.
   d. ENSURE A PERMIT AND REINSTATEMENT SPECIFICATIONS ARE OBTAINED FROM THE LOCAL AUTHORITY IF EXCAVATION WILL BE IN A ROAD RESERVE OR RIGHT OF WAY.
   e. ENSURE ALL DETAILS HAVE BEEN CHECKED AND THAT NO DISCREPANCIES EXIST. ALL QUERIES AND DISCREPANCIES ARE TO BE RESOLVED PRIOR TO COMMENCING WORKS.
9. RESIDENTS SHALL BE KEPT INFORMED THROUGHOUT & SITE SECURITY SHALL BE MAINTAINED.
10. ALL EXCAVATIONS SHALL BE SECURED & MADE SAFE IN ACCORDANCE WITH REQUIREMENTS OF THE OCCUPATIONAL SAFETY & HEALTH ACT 1984, THE OCCUPATIONAL SAFETY & HEALTH REGULATION 1996 & OF ANY RELEVANT REGULATORY BODY.
11. PROPERTIES WHICH HAVE BEEN EXCAVATED SHALL BE RETURNED TO AT LEAST A SIMILAR CONDITION TO THAT WHICH EXISTED PRIOR TO CONSTRUCTION.
12. TRENCH BACKFILL SHALL BE CLEAN GRANULAR MATERIAL, COMPACTED TO A LEVEL NOT LESS THAN THAT OF THE SURROUNDING UNDISTURBED GROUND, FOR THE FULL DEPTH OF EXCAVATION. BACKFILL UNDER ROADS SHALL BE COMPACTED TO THE REQUIREMENTS OF THE LOCAL AUTHORITY.
13. ALL CONNECTIONS INTO EXISTING LOCAL AUTHORITY STORMWATER ARE TO BE CARRIED OUT BY THE CONTRACTOR TO LOCAL AUTHORITY SPECIFICATIONS.
14. THIS DRAINAGE SPECIFICATION IS TO BE READ IN CONJUNCTION WITH CLIENT'S ARCHITECTURAL DRAWINGS (PARTIALLY REPRODUCED HERE).
15. CLIENT IS TO ENSURE LOCAL AUTHORITY HAVE APPROVED THESE DRAWINGS BEFORE BEING ISSUED FOR PRICING, TENDER & CONSTRUCTION.
16. IF GROUND WATER IS ENCOUNTERED DURING THE WORKS THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.

STORMWATER MANAGEMENT PLAN

1. SITE CLASSIFICATION REPORT: TBA
   - SITE IS COMPRISED OF CLAY BASED OFF SSE REPORT BY WATER INSTALLATIONS.
2. OVERLAND FLOW PATH FROM DEVELOPMENT - NO
3. DESIGN CRITERIA - SHIRE OF MUNDARING
   - 1 IN 20 YEAR STORM EVENT OF A 5 MINUTE DURATION.
   - 1 IN 5 YEAR PRE DEVELOPMENT OUTFLOW.

DRAINAGE CALCULATIONS

IMPERVIOUS AREA (m²)	1072
VOLUME TO STORE (m³)	13.40

TANKS SELECTED

DIAMETER (mm)	DEPTH (mm)	TANKS (No)	VOLUME (m³)
1800	1200	4	12.21
1200	1500	1	1.70
900	900	1	0.57
VOLUME			14.48

REV	BY	ISSUE / REVISION DESCRIPTION	DATE
A	WR/DB	CONNECTION OPTIONS - ISSUED FOR REVIEW	15/2/24
B	WR/DB	ISSUED FOR REVIEW	12/3/24
0	WR/DB	ISSUED FOR CONSTRUCTION - SUBJECT TO COUNCIL APPROVAL	2/4/24

DRAFTER	W REYNOLDS
DESIGNER	W REYNOLDS
CHECKER	D BLAZESKI
DATE	15/2/24
APPROVED BY:	

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PROJECT No.	D330013
PROJECT	PROPOSED DEVELOPMENT ON LOT 505 AMHERST AVENUE, DARLINGTON
SCALE	1:200
SIZE	A1
SHEET	1 of 1
REV	0
CLIENT	R POINT PROPERTIES