



MACASA HOMES PTY LTD

PROPOSED DEVELOPMENT
AT

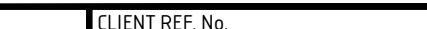
LOT 6 NO. 6 RAVEN CIRCUIT,
WARRIEWOOD. NSW

INDEX TO SHEETS	
SHEET	TITLE
C-000	COVER SHEET & DRAWING LIST
C-401	STORMWATER DRAINAGE PLAN
C-402	OSD CATCHMENT PLAN
C-401	OSD PLAN & DETAILS

CONCEPT PLAN FOR COUNCIL SUBMISSION
NOT FOR CONSTRUCTION

OWNER: The owner is responsible for maintenance of building and site. Refer to the CSIRO 'Guide to Home Owners on Foundation Maintenance and Performance'.

ISSUE/REVISIONS	REV	BY	DATE	ISSUE / REVISION DESCRIPTION		CHK	APP	ISSUE/REVISIONS	REV	BY	DATE	ISSUE / REVISION DESCRIPTION		CHK	APP	TITLE	NAME	DATE	NORTH	CLIENT	PROJECT	CLIENT REF. No.		SHEET SIZE: A1	
	0	BGP	13/12/2022	ISSUED FOR CDC		HC	GP									DRAFTER	BGP	13/12/2022				N/A			
	1	DM	23/06/2023	ISSUED FOR REVIEW AND COMMENT		GP	GP									DESIGNER	BGP	13/12/2022				N/A			
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																GERVASE PURICH					WAW0006-C-000		1		
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Structure Consulting Engineers (NSW) Pty Ltd (ACN 131 748 260)

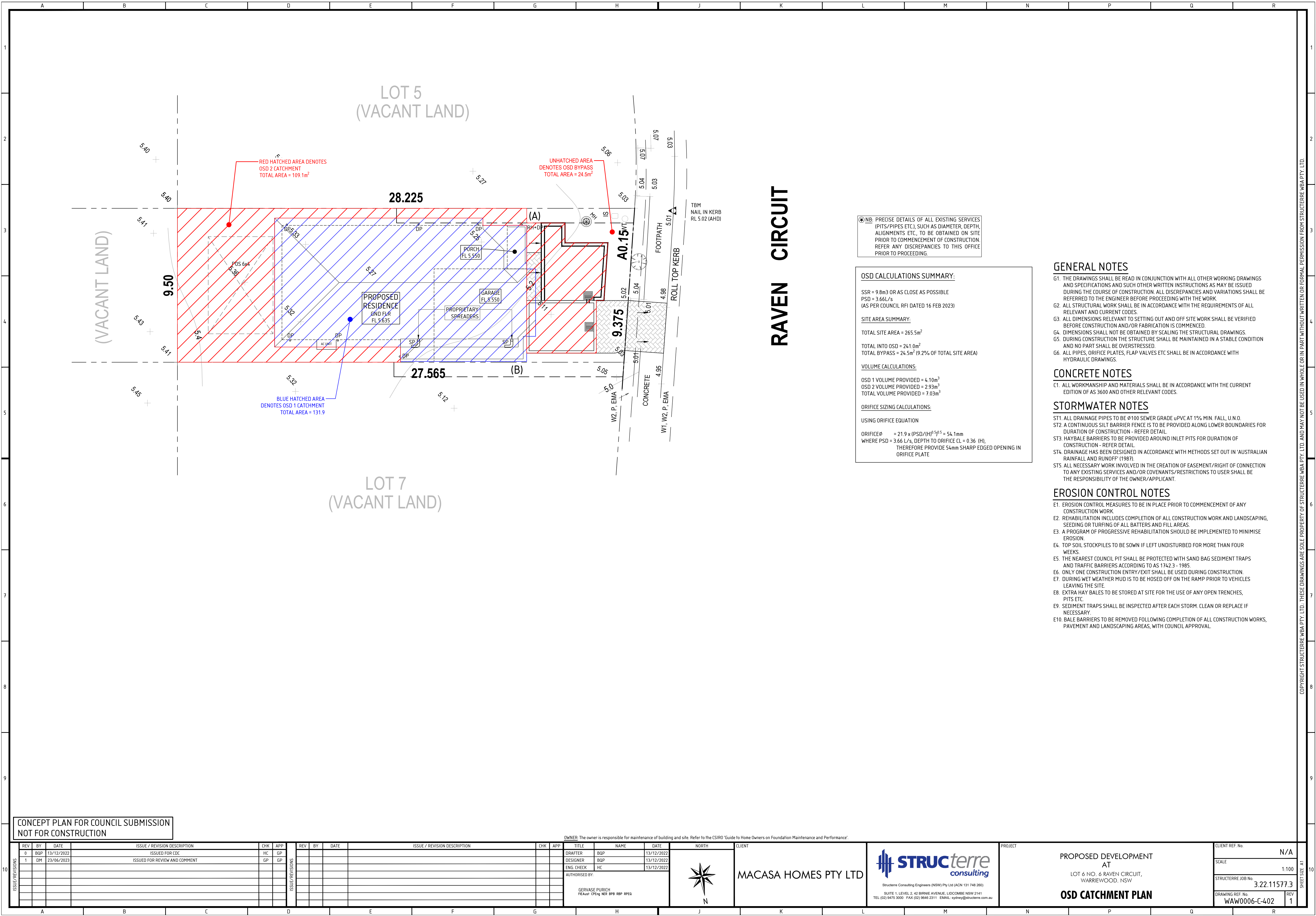
SUITE 1, LEVEL 2, 42 BIRNIE AVENUE, LIDCOMBE NSW 2141
TEL (02) 9475 3000 FAX (02) 9446 2511 EMAIL: info@struc terre.com.au

MACASA HOMES PTY LTD

PROPOSED DEVELOPMENT
AT
LOT 6 NO. 6 RAVEN CIRCUIT,
WARRIEWOOD, NSW

COVER SHEET & DRAWING LIST





RAVEN CIRCUIT

⊗NB: PRECISE DETAILS OF ALL EXISTING SERVICES (PITS/PIPES ETC), SUCH AS DIAMETER, DEPTH, ALIGNMENTS ETC, TO BE OBTAINED ON SITE PRIOR TO COMMENCEMENT OF CONSTRUCTION. REFER ANY DISCREPANCIES TO THIS OFFICE PRIOR TO PROCEEDING.

OSD CALCULATIONS SUMMARY:

SSR = 9.8m3 OR AS CLOSE AS POSSIBLE
PSD = 3.66L/s
(AS PER COUNCIL RFI DATED 16 FEB 2023)

SITE AREA SUMMARY:

TOTAL SITE AREA = 265.5m²

TOTAL INTO OSD = 241.0m²
TOTAL BYPASS = 24.5m² (9.2% OF TOTAL SITE AREA)

VOLUME CALCULATIONS:

OSD 1 VOLUME PROVIDED = 4.10m³
OSD 2 VOLUME PROVIDED = 2.93m³
TOTAL VOLUME PROVIDED = 7.03m³

ORIFICE SIZING CALCULATIONS:

USING ORIFICE EQUATION

ORIFICE ϕ = 21.9 x (PSD/(H))^{0.5} = 54.1mm
WHERE PSD = 3.66 L/s, DEPTH TO ORIFICE CL = 0.36 (H),
THEREFORE PROVIDE 54mm SHARP EDGED OPENING IN ORIFICE PLATE

GENERAL NOTES

- G1. THE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL OTHER WORKING DRAWINGS AND SPECIFICATIONS AND SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF CONSTRUCTION. ALL DISCREPANCIES AND VARIATIONS SHALL BE REFERRED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
- G2. ALL STRUCTURAL WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF ALL RELEVANT AND CURRENT CODES.
- G3. ALL DIMENSIONS RELEVANT TO SETTING OUT AND OFF SITE WORK SHALL BE VERIFIED BEFORE CONSTRUCTION AND/OR FABRICATION IS COMMENCED.
- G4. DIMENSIONS SHALL NOT BE OBTAINED BY SCALING THE STRUCTURAL DRAWINGS.
- G5. DURING CONSTRUCTION THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVERSTRESSED.
- G6. ALL PIPES, ORIFICE PLATES, FLAP VALVES ETC SHALL BE IN ACCORDANCE WITH HYDRAULIC DRAWINGS.

CONCRETE NOTES

- C1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF AS 3600 AND OTHER RELEVANT CODES.

STORMWATER NOTES

- ST1. ALL DRAINAGE PIPES TO BE ϕ 100 SEWER GRADE uPVC AT 1% MIN. FALL, U.N.O.
- ST2. A CONTINUOUS SILT BARRIER FENCE IS TO BE PROVIDED ALONG LOWER BOUNDARIES FOR DURATION OF CONSTRUCTION - REFER DETAIL.
- ST3. HAYBALE BARRIERS TO BE PROVIDED AROUND INLET PITS FOR DURATION OF CONSTRUCTION - REFER DETAIL.
- ST4. DRAINAGE HAS BEEN DESIGNED IN ACCORDANCE WITH METHODS SET OUT IN 'AUSTRALIAN RAINFALL AND RUNOFF' (1987).
- ST5. ALL NECESSARY WORK INVOLVED IN THE CREATION OF EASEMENT/RIGHT OF CONNECTION TO ANY EXISTING SERVICES AND/OR COVENANTS/RESTRICTIONS TO USER SHALL BE THE RESPONSIBILITY OF THE OWNER/APPLICANT.

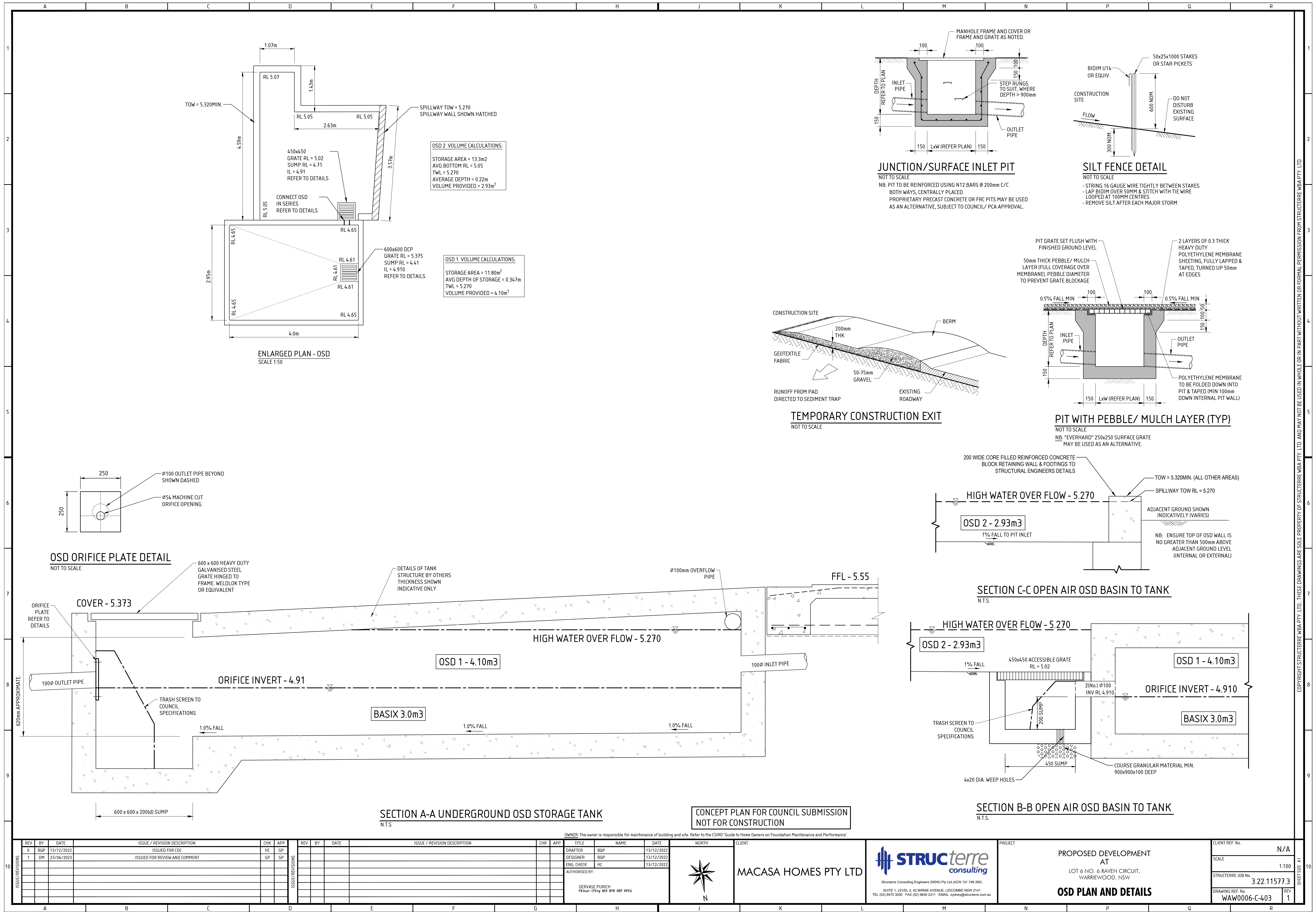
EROSION CONTROL NOTES

- E1. EROSION CONTROL MEASURES TO BE IN PLACE PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION WORK.
- E2. REHABILITATION INCLUDES COMPLETION OF ALL CONSTRUCTION WORK AND LANDSCAPING, SEEDING OR TURFING OF ALL BATTERS AND FILL AREAS.
- E3. A PROGRAM OF PROGRESSIVE REHABILITATION SHOULD BE IMPLEMENTED TO MINIMISE EROSION.
- E4. TOP SOIL STOCKPILES TO BE SOWN IF LEFT UNDISTURBED FOR MORE THAN FOUR WEEKS.
- E5. THE NEAREST COUNCIL PIT SHALL BE PROTECTED WITH SAND BAG SEDIMENT TRAPS AND TRAFFIC BARRIERS ACCORDING TO AS 1742.3 - 1985.
- E6. ONLY ONE CONSTRUCTION ENTRY/EXIT SHALL BE USED DURING CONSTRUCTION.
- E7. DURING WET WEATHER MUD IS TO BE HOSED OFF ON THE RAMP PRIOR TO VEHICLES LEAVING THE SITE.
- E8. EXTRA HAY BALES TO BE STORED AT SITE FOR THE USE OF ANY OPEN TRENCHES, PITS ETC.
- E9. SEDIMENT TRAPS SHALL BE INSPECTED AFTER EACH STORM. CLEAN OR REPLACE IF NECESSARY.
- E10. BALE BARRIERS TO BE REMOVED FOLLOWING COMPLETION OF ALL CONSTRUCTION WORKS, PAVEMENT AND LANDSCAPING AREAS, WITH COUNCIL APPROVAL.

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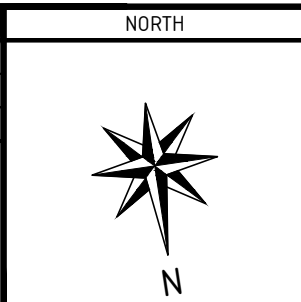
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REV	BY	DATE	ISSUE / REVISION DESCRIPTION	CHK	APP
0	BQP	13/12/2022	ISSUED FOR CDC	HC	GP
1	DM	23/06/2023	ISSUED FOR REVIEW AND COMMENT	GP	GP

REV	BY	DATE	ISSUE / REVISION DESCRIPTION	CHK	APP

TITLE	NAME	DATE
DRAFTER	BQP	13/12/2022
DESIGNER	BQP	13/12/2022
ENG. CHECK	HC	13/12/2022
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GERVASE PURICH		
FRAUD OFFICER NER BPS RSP RPEQ		



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