



MACASA HOMES PTY LTD

PROPOSED DEVELOPMENT
AT

LOT 9 NO. 9 RAVEN CIRCUIT,
WARRIEWOOD. NSW

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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		CLIENT	MACASA HOMES PTY LTD Structerre 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) 9648 2311 EMAIL: sydney@struc terre.com.au	PROJECT	PROPOSED DEVELOPMENT AT LOT 9 NO. 9 RAVEN CIRCUIT, WARRIEWOOD, NSW	COVER SHEET & DRAWING LIST	CLIENT REF. No.	N/A	SCALE	N/A	STRUC TERRE JOB No.	3.22.11581.5	DRAWING REF. No.	WAW0009-C-000	REV	4	
	0	THI	15/11/2022	ISSUED FOR CDC	HC	GP								DRAFTER	THI	15/11/2022																	
	1	DM	16/02/2023	ISSUED FOR REVIEW AND COMMENT, NOT FOR CONSTRUCTION	DM	GP								DESIGNER	THI	15/11/2022																	
	2	DM	24/04/2023	ISSUED FOR REVIEW AND COMMENT, NOT FOR CONSTRUCTION	DM	GP								ENG. CHECK	HC	15/11/2022																	
	3	DM	19/05/2023	ISSUED FOR REVIEW AND COMMENT, NOT FOR CONSTRUCTION	DM	GP								AUTHORISED BY: 																			
	4	DM	25/05/2023	ISSUED FOR REVIEW AND COMMENT, NOT FOR CONSTRUCTION	DM	GP																											
	5	DM	14/08/2025	ISSUED FOR REVIEW AND COMMENT, NOT FOR CONSTRUCTION	DM	GP																											
																		GERVASE PURICH FEAust. CPeng NER BPS BPP RPEQ															



NOTE: SURFACE DRAINAGE HAS BEEN TREATED AS UNCONTROLLED TO THE DISCHARGE POINT. OSD STORAGE VOLUME MODIFIED TO SUIT.

⊗ 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.

ORIFICE $\phi = 21.9 \times (\text{PSD}/(\text{H})^{0.5})^{0.5} = 50.46\text{mm}$
 WHERE PSD = 3.40 L/s, DEPTH TO ORIFICE CL = 0.41m (H),
 THEREFORE PROVIDE 50mm SHARP EDGED
 OPENING IN ORIFICE PLATE

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
BY THE ENGINEER AND/OR FABRICATION IS COMPLETED.

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 OVERTRESSED.

G6 ALL PIPES, CIRCULAR PLATES, FLAP VALVES ETC SHALL BE IN ACCORDANCE WITH
HYDRAULIC DRAWINGS.

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

ST1. ALL DRAINAGE PIPES TO BE #100 SEWER GRADE uPVC AT 1% MIN. FALL, U.N.O.

ST2. A CONTINUOUS SLIT 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.

- 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.
- 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.

- - EXISTING CONTOURS
- - PROPOSED CONTOURS
- - PROPOSED PIPE (SIZES AS SHOWN ON PLAN/NOTES)
- - PROPOSED PIPE SEALED TO TANK (SIZES AS SHOWN ON PLAN/NOTES)
- - EXISTING PIPE
- - DIRECTION OF FALL (1% MIN U.N.O.)
- - PROPERTY BOUNDARY
- - INSPECTION RISER/CLEANING EYE (DIA. TO MATCH PIPE) WITH SEALED SCREWCAP LID.
- - EXISTING SPOT LEVEL
- - PROPOSED SPOT LEVEL
- - PROPOSED GRATED SURFACE INLET PIT (GSIP)
- - PROPOSED JUNCTION PIT (JP)

CLIENT REF. No.		N/A	SHEET SIZE A1
SCALE		1:100	
STRUCTERRE JOB No.		3.22.11581.5	
DRAWING REF. No.	WAW0009-C-401	REV 4	





NOT TO SCALE
NB: PIT TO BE REINFORCED USING N12 BARS @ 200mm C/C
BOTH WAYS, CENTRALLY PLACED.
PROPRIETARY PRECAST CONCRETE OR FRC PITS MAY BE USED
AS AN ALTERNATIVE, SUBJECT TO COUNCIL/ PCA APPROVAL.



NOT TO SCALE

- STRING 16 GAUGE WIRE TIGHTLY BETWEEN STAKES
- LAP BIDIM OVER 50MM & STITCH WITH TIE WIRE LOOPED AT 100MM CENTRES
- REMOVE SILT AFTER EACH MAJOR STORM



NOT TO SCALE



NOT TO SCALE
NB: PIT TO BE REINFORCED USING N12 BARS @ 200mm C/C
BOTH WAYS, CENTRALLY PLACED.
PROPRIETARY PRECAST CONCRETE OR FRC PITS MAY BE USED



NOT TO SCALE



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SCALE	1:100	
STRUTTERRE JOB No.	3.22.11581.5	
DRAWING REF. No.	WAW0009-C-403	
	REV 4	