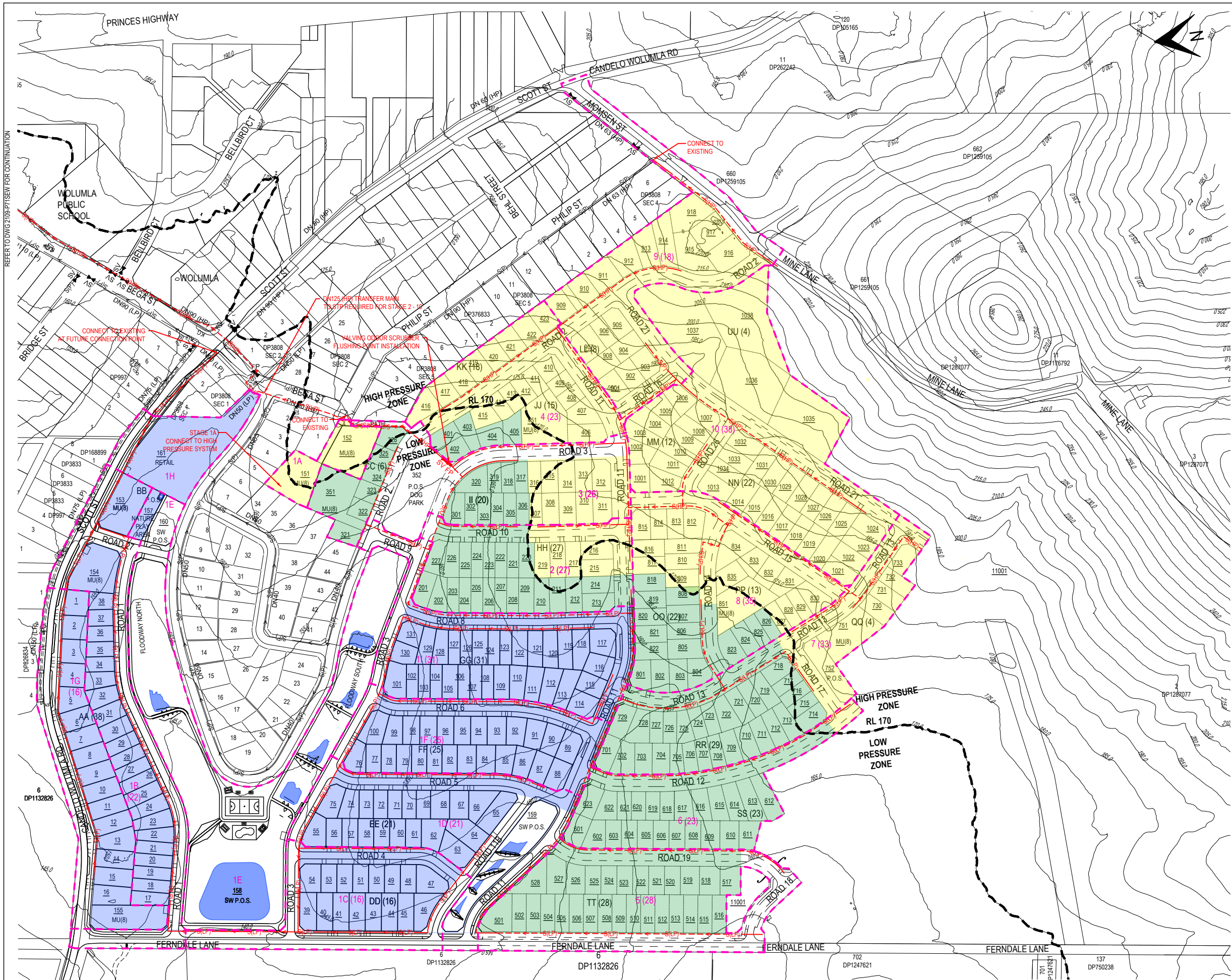




- NOTES:
1. PRESSURE SEWER NETWORK DESIGN TO:
D-12 SEWERAGE SYSTEM AUSSPEC AS AMENDED BY B.V.S.C.
WSA02-2002.2.3 2ND ED SEWERAGE CODE OF AUSTRALIA.
WSA07-2007.1.1 1ST ED PRESSURE SEWERAGE CODE OF AUSTRALIA.
 2. MAINS ARE DN50 (40MM ID) PE100 PN16 (SDR11) CREAM LINE U.N.O. HAZEN WILLIAMS
FRICTION COEFFICIENT = 155
 3. NETWORK ANALYSED UNDER DYNAMIC CONDITIONS USING WATERGAD
 4. MODELLING CRITERIA
MAX DESIRABLE VELOCITY 2.5M/S, MAX ABSOLUTE VELOCITY 3.5 M/S, MIN VELOCITY 0.6M/S
 5. VALVE CRITERIA
MAX 30 LOTS PER SHUTDOWN
MAXIMUM 500M SPACING
 6. PRESSURE SEWER UNIT - ONE PER PROPERTY
PUMP - SINGLE E-ONE SPD GRINDER 1HP 1450RPM, 50HZ.
TANK - E-ONE GP 2010L-AS/NZ, 710MM X 2000MM, DWG PA1778P01.
PUMP OFF @ 0.33M, PUMP ON @ 0.432M, ALARM @ 0.838M.
 7. FLOWS
ASSUMED DAILY FLOW - 550L/DIET

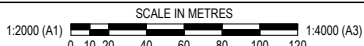
- LEGEND:
- SEWER CATCHMENT BOUNDARY
 - NODE
 - PROPOSED PRESSURE SEWER MAIN
 - FUTURE PRESSURE SEWER MAIN
 - SERVICE TIE, SEWER BOUNDARY KIT
 - CHECK VALVE, STOP VALVE, FLUSHING POINT, AIR VALVE
 - ZONE BOUNDARY, ZONE LABEL
 - LOW PRESSURE ZONE STAGE 1B-11
 - LOW PRESSURE ZONE STAGE 2-10
 - HIGH PRESSURE ZONE STAGE 2-10 & 1A

D	C	B	A	-	No.	REVISION	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
LAYOUT UPDATED	VAO	AG	VAO	VAO	21/03/2025						
LAYOUT ADJUSTMENTS	VAO	AG	VAO	VAO	08/12/2023						
INITIAL ISSUE	VAO	AG	VAO	VAO	12/10/2022						

Date: Wednesday, 2 April 2025 12:31:26 PM User: AG File: H:\2021\2109_Wolumla\099_2109Sync\061_dwgSync\2109-P70SEW.dwg

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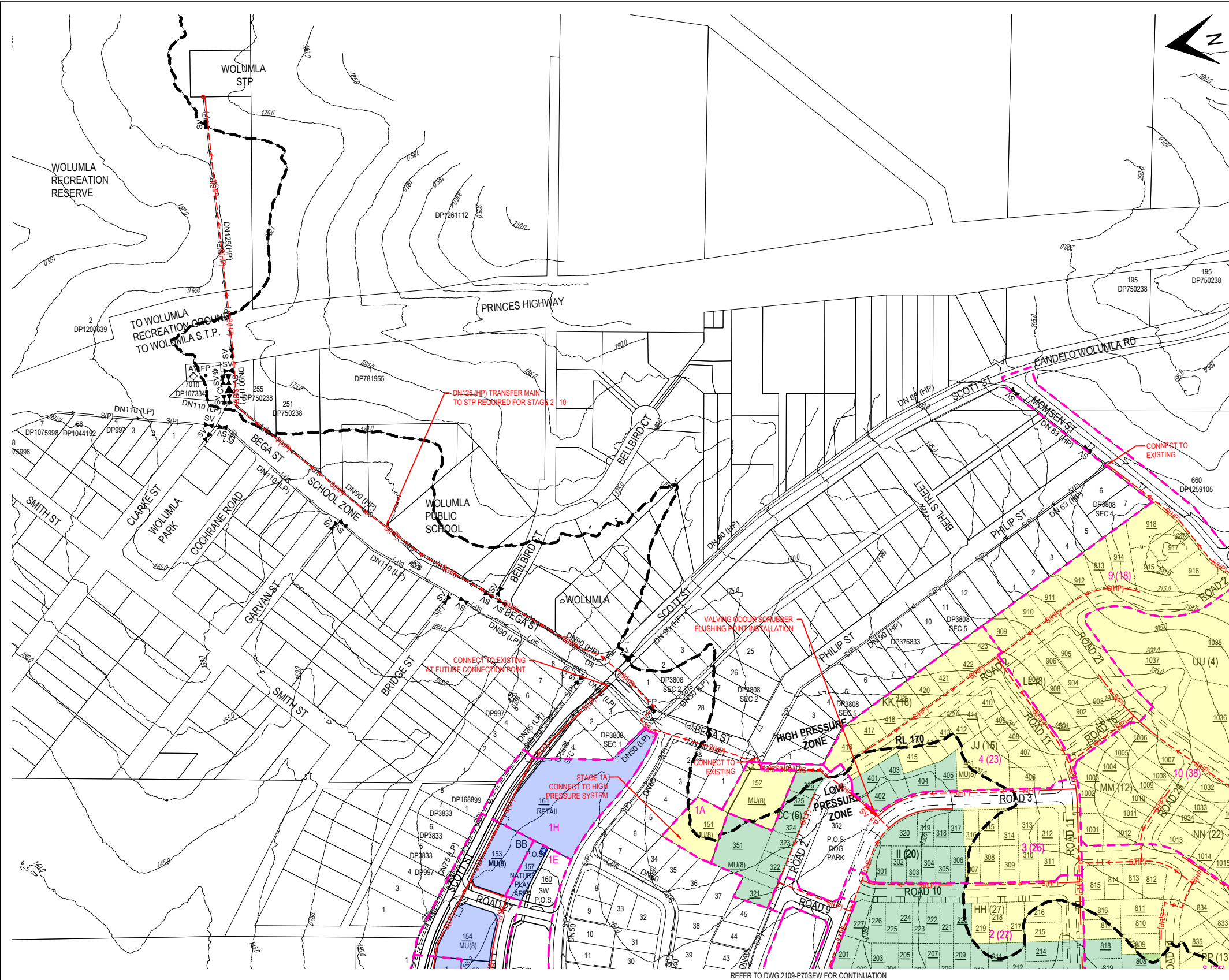
Survey source: NEAR MAPS Survey datum: ??? Date: 5/08/2021 Coordinate system: GDA2020 MGAS5



po box 181
bermagui nsw 2546
p 02 6494 0239
m 0408 361 612

CLIENT JUNOR INVESTMENTS PTY LTD
PROJECT LOT 2 DP1287077 WOLUMLA - RESIDENTIAL SUBDIVISION
TITLE SEWER MASTER PLAN

DRAWING NUMBER 2109-P70SEW AMENDMENT: B

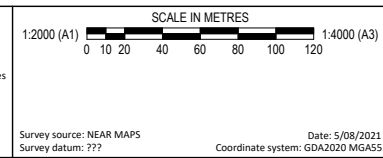


- NOTES:
1. REFER TO DWG 2109-P02NTS FOR NOTES & LEGEND.
 2. REFER TO DWG 2109-P70SEW FOR DETAIL NOTES & LEGEND.
 3. EXISTING WOLUMLA
- S.T.P. CAPACITY - 800EP, (BVSC - SEPT 2022).
- S.T.P. LOAD - APPROX 400EP, (BVSC - SEPT 2022).
- S.T.P. AVAILABLE - APPROX 200ET, (BVSC - SEPT 2022).

D						
C						
B	LAYOUT UPDATED	VAO	AG	VAO	VAO	21/03/2025
A	LAYOUT ADJUSTMENTS	VAO	AG	VAO	VAO	08/12/2023
-	INITIAL ISSUE	VAO	AG	VAO	VAO	12/10/2022
No.	REVISION	DESIGNED	DRAWN	CHECKED	APPROVED	DATE

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Survey source: NEAR MAPS
Survey datum: ???

Date: 5/08/2021
Coordinate system: GDA2020 MGAS5

Survey source: SPATIAL COLLABORATION PORTALNSW GOVT
Survey datum: ???

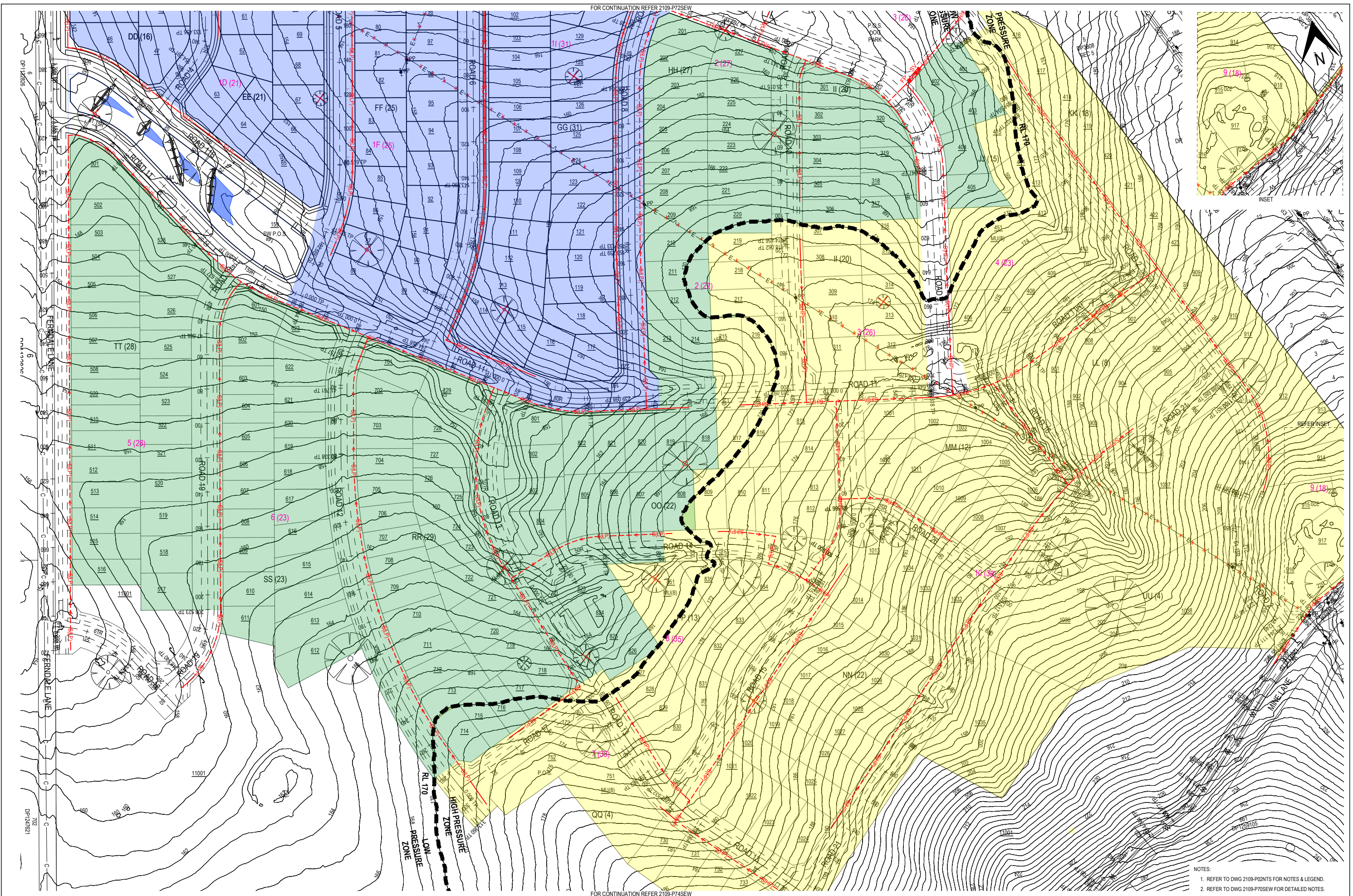
Date: 10/08/2021
Coordinate system: GDA2020 MGAS5

osgood civil resource engineering

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CLIENT	JUNOR INVESTMENTS PTY LTD
PROJECT	LOT 2 DP1287077 WOLUMLA - RESIDENTIAL SUBDIVISION
TITLE	SEWER MASTER PLAN
DRAWING NUMBER	2109-P71SEW
AMENDMENT:	B



D					
C					
B					
A	LAYOUT AMENDED	VAO	AG	VAO	VAO
-	INITIAL ISSUE	VAO	AG	VAO	VAO
No.	REVISION	DESIGNED	DRAWN	CHECKED	APPROVED DATE
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SCALE IN METRES
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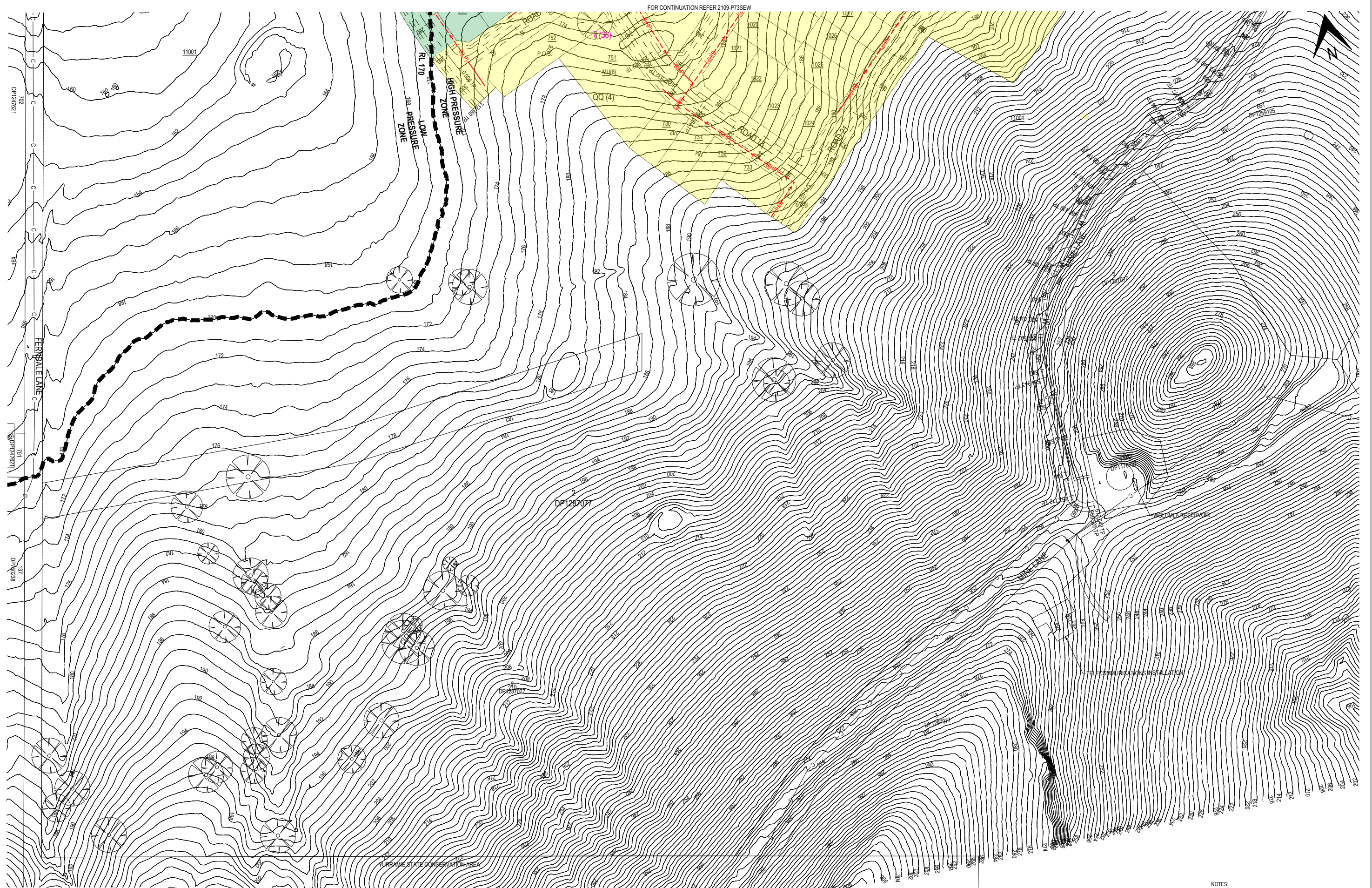
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 Survey source: SPATIAL COLLABORATION PORTALNSW GOVT Date: 10/08/2021
 Survey datum: ??? Coordinate system: GDA2020.MGA55

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Oceania Council of
Registered Engineers

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CLIENT	JUNOR INVESTMENTS PTY LTD		
PROJECT	LOT 2 DP1287077 WOLUMLA - RESIDENTIAL SUBDIVISION		
TITLE	SEWER MASTER PLAN - SHEET 2		
DRAWING NUMBER	2109-P73SEW	AMENDMENT:	A



NOTES:

1. REFER TO DWG 2109-P02NTS FOR NOTES & LEGEND.
2. REFER TO DWG 2109-P70SEW FOR DETAILED NOTES.

[illegible]