LOT 13 & 14 DP786575, LOT 2 DP1243702 - ICETON PLACE, YASS
71 LOT RURAL RESIDENTIAL SUBDIVISION
NON-POTABLE WATER SUPPLY CONCEPT PLANS
FOR DEVELOPMENT APPLICATION

CLIENT: ICETON INVESTMENTS PTY LTD

DEVELOPER: ICETON INVESTMENTS PTY LTD

DA: TBC

LGA: YASS VALLEY COUNCIL

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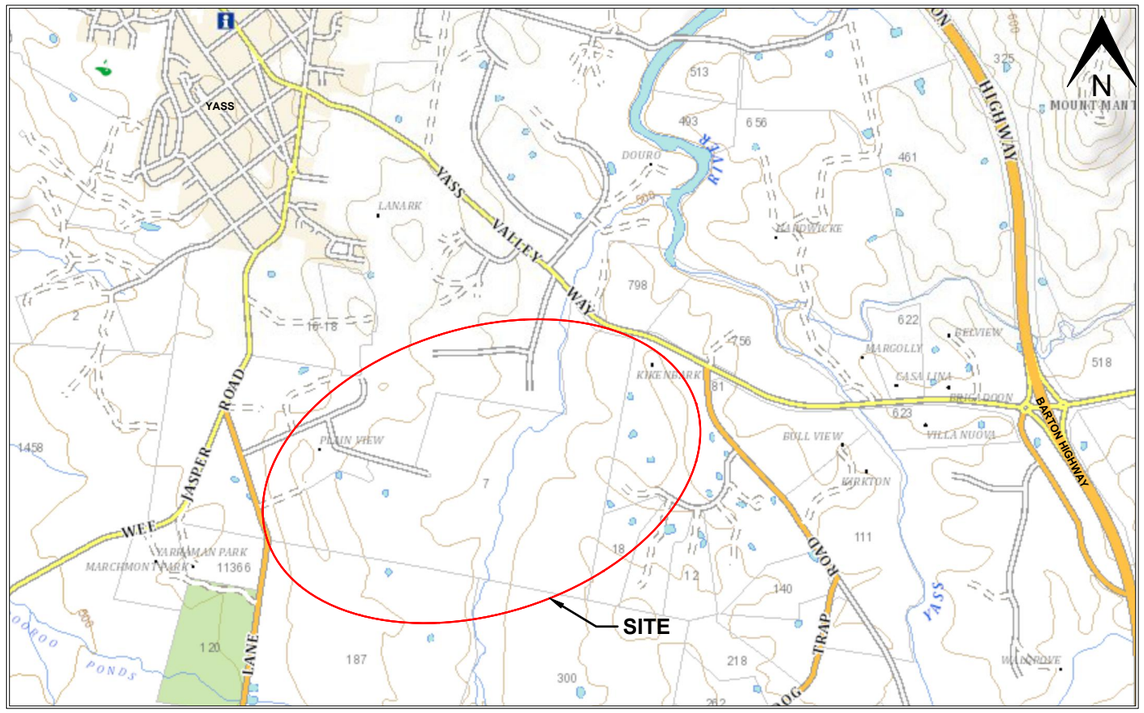
DRAWING SCHEDULE

2117-P00TTL	TITLE SHEET & DRAWING SCHEDULE
2117-P01GA	GENERAL ARRANGEMENT
2117-P02NTS	NOTES & LEGEND
2117-P80WAT	WATER SUPPLY CONCEPT PLAN - SHEET 1
2117-P81WAT	WATER SUPPLY CONCEPT PLAN - SHEET 2
2117-P82WAT	HYDRAULIC ANALYSIS RESULTS
2117-P85WAT	BORE GENERAL ARRANGEMENT
2117-P86WAT	HEADER TANK GENERAL ARRANGEMENT
2117-P87WAT	ON LOT WATER TANK - TYPICAL DETAILS



LOCALITY PLAN
N.T.S

2117-P00TTL **JOB No. 2117**

NOTES:

1. REFER TO DWG 0000-02NTS FOR NOTES & LEGEND.

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CLIENT ICETON INVESTMENTS PTY LTD

PROJECT 7 ICETON PL, YASS - RURAL RESIDENTIAL DEVELOPMENT

TITLE

GENERAL ARRANGEMENT

DRAWING NUMBER 2117-P01GA

AMENDMENT:

Date: Thursday, 28 October 2021 3:43:44 PM User: Priddle File: H:\2021\2117_IcetonPlYass\099_2117Sync\061_dwgsSync\2117-P01GA.dwg

GENERAL NOTES

G1. ALL WORKS DESIGNED WITH REFERENCE TO:
AUS-SPEC1 – DEVELOPMENT DESIGN SPECIFICATION AS AMENDED BY YASS VALLEY COUNCIL
YASS VALLEY DEVELOPMENT CONTROL PLAN

G2. THESE DRAWINGS ILLUSTRATE THE CONCEPT DESIGN OF THE NECESSARY CIVIL ASSET NETWORKS TO SERVICE THE PROPOSED DEVELOPMENT TO INFORM THE ASSESSMENT OF THE DEVELOPMENT APPLICATION FOR SUBDIVISION OF LOTS 13 & 14 DP786575, LOT 2 DP1243702

SURVEY/SETOUT

SV1. CONTOUR AND EXISTING SITE INFORMATION PROVIDED BY: GENIUM

SV2. CONTOUR INFORMATION OUTSIDE OF DETAIL SURVEY EXTENTS ARE INDICATIVE AND FOR INFORMATION ONLY, SOURCE – NSW SPATIAL SERVICES

SV3. SURVEY DETAILS – HEIGHT DATUM –

UTILITIES

U1. EXISTING SERVICES HAVE BEEN DIGITISED FROM AVAILABLE DATA (DBYD - JOB 30463511) PROVIDED BY THE UTILITY AUTHORITIES, SITE SURVEY AND PARTIAL SITE RECONNAISSANCE. ACCURATENESS AND COMPLETENESS IS NOT GUARANTEED.

LEGEND

PROPERTY	EXISTING	PROPOSED
PROPERTY BOUNDARY, LENGTH (M)	123.925	123.925
EASEMENT, WIDTH	4.50	4.50
LOT NO., DP NO.	355 DP735953	355
BUILDING ENVELOPE LIMITS		BE BE
WATER		
WATER - DIAMETER, ENDCAP	W 300Ø EC	W 300Ø
WATER SERVICE TIE, METER	M	
WATER STOP VALVE, AIR VALVE, FIRE HYDRANT, THRUST BLOCK	SV AV FH	SV AV FH
WATER REDUCED PRESSURE ZONE DEVICE	RPZD	RPZD
WATER FITTING, BEND, TAPER, TEE	11 1/4°H DN200-DN200T	11 1/4°H DN200-DN200T
JOINT DEFLECTION - VERTICAL	JD - V	JD - V
SEWERAGE		
SEWER MAIN - FLOW, MANHOLE, NUMBER, DIAMETER	PA/1 S 225Ø	PA/1 S 225Ø
SEWER RISING MAIN-DIRECTION, THRUST BLOCK, DIAMETER	SRM DN100	SRM DN100
SEWER SERVICE TIE, STOP VALVE, INSPECTION OPENING, ENDCAP	SV I/O EC	SV I/O 100
SEWER FUTURE MAINS		S S
STORMWATER		
STORMWATER MAIN - SUMP, MANHOLE, DIAMETER, DIRECTION	SW 1800Ø	SW 1800Ø
STORMWATER SERVICE TIE, KERB OUTLET, ENDCAP	K/O EC	K/O
STORMWATER STRUCTURE, HEADWALL		
GULLY, TABLE DRAIN OVERLAND FLOW PATH, DIRECTION		
STORMWATER FUTURE MAINS		SW
HYDRAULICS		
TRENCH STOP, SCOUR STOP SPACING AS NOTED	T.S. S.S.	T.S. S.S.
SUBSOIL DRAINS		
SUBSOIL DRAIN	HR FP	HR FP
HIGH END RISER, FLUSHING POINT		
UTILITIES		
OVERHEAD ELECTRICITY CABLE, POLE	E	E
UNDERGROUND ELECTRICITY CABLE	E	E
COMBINED TRENCH (ELECTRICITY & COMMS)	E/T	E/T
ABANDONED UNDERGROUND ELECTRICITY CABLE	X E/A	
STREETLIGHTING CABLE, STREETLIGHT	SL	SL
TELECOMMUNICATIONS - PIT	C C	C C
OPTIC FIBRE	OF	OF
GAS	G G	G G
MISCELLANEOUS		
BUILDING		
ROAD - BITUMEN		
ROAD - CONCRETE		
ROAD - GRAVEL		
ROAD - KERB, TYPE	KG	KG
ROAD SIGNS		
WATERCOURSE		
CONTOURS, LEVEL	570.0	570.0
TREE, TREE TO BE REMOVED		
TREE SPREAD - SCRUBS		
ITEM TO BE DEMOLISHED, REMOVED	SW	
FENCE, GATE		
DAM		
STATE SURVEY MARK		

HYDRAULIC NETWORK PIPE REACH DETAILS

UPSTREAM INVERT LEVEL (M)	1716.45
PIPE DIAMETER (MM)	225 Ø
PIPE LENGTH (M)	9.5 m
PIPE GRADE (%)	20.0 %
DOWNSTREAM INVERT LEVEL (M)	1714.55

KERBS

KERB & GUTTER	KG
LAYBACK KERB	LBK

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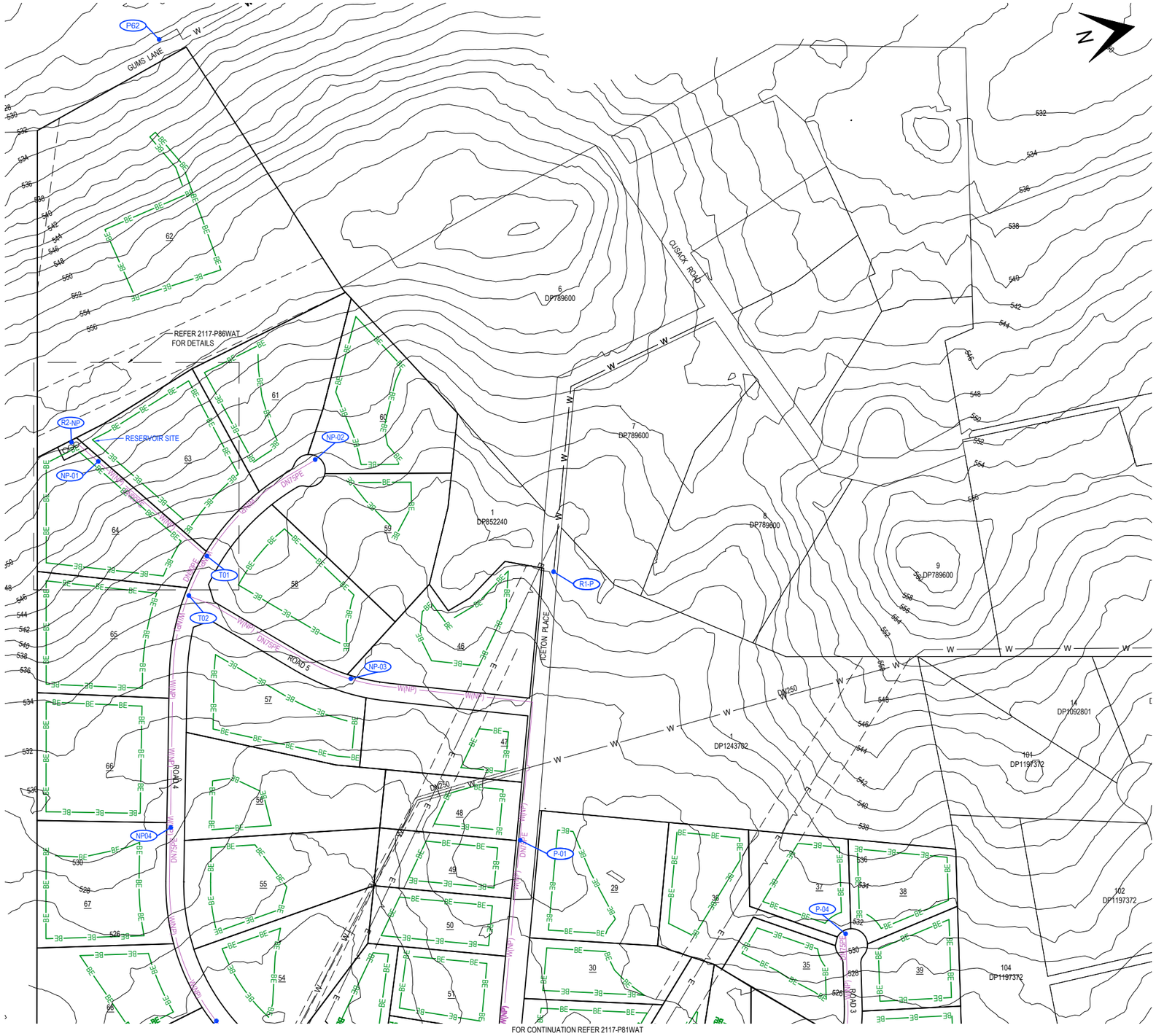
CLIENT ICETON INVESTMENTS PTY LTD
PROJECT 7 ICETON PL, YASS - RURAL RESIDENTIAL DEVELOPMENT
TITLE NOTES & LEGEND
DRAWING NUMBER 2117-P02NTS
AMENDMENT:

Date: Thursday, 28 October 2021 4:23:49 PM User: Priddle File: H:\2021\2117_IcetonPlYass\099_2117Sync\061_dwgsSync\2117-P02NTS.dwg



NOTES:

1. REFER TO DWG 2117-P02NTS FOR NOTES & LEGEND.
2. REFER TO DWG 2117-P82WAT FOR HYDRAULIC ANALYSIS.
3. REFER TO DWG 2117-P87WAT FOR TYPICAL ON LOT WATER SERVICE/TANK DETAILS.

LEGEND:

- STAGE BOUNDARY
- A — NODE
- W — DN150 — PROPOSED WATER MAIN - DIAMETER
- W(NP) — DN150 — PROPOSED NON-POTABLE WATER MAIN - DIAMETER
- SV AV H — STOP VALVE, AIR VALVE, HYDRANT
- WRM — DN250 — EXISTING WATER RISING MAIN - DIAMETER
- W — DN150 — EXISTING WATER MAIN - DIAMETER
- 35.0 — CONTOUR (INTERVAL AS SHOWN)

No.	REVISION	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
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C						
B						
A	POTABLE REPLACED WITH NON POTABLE	VAO	WP	VAO	VAO	17/11/2021
-	INITIAL ISSUE	VAO	WP	VAO	VAO	28/10/2021

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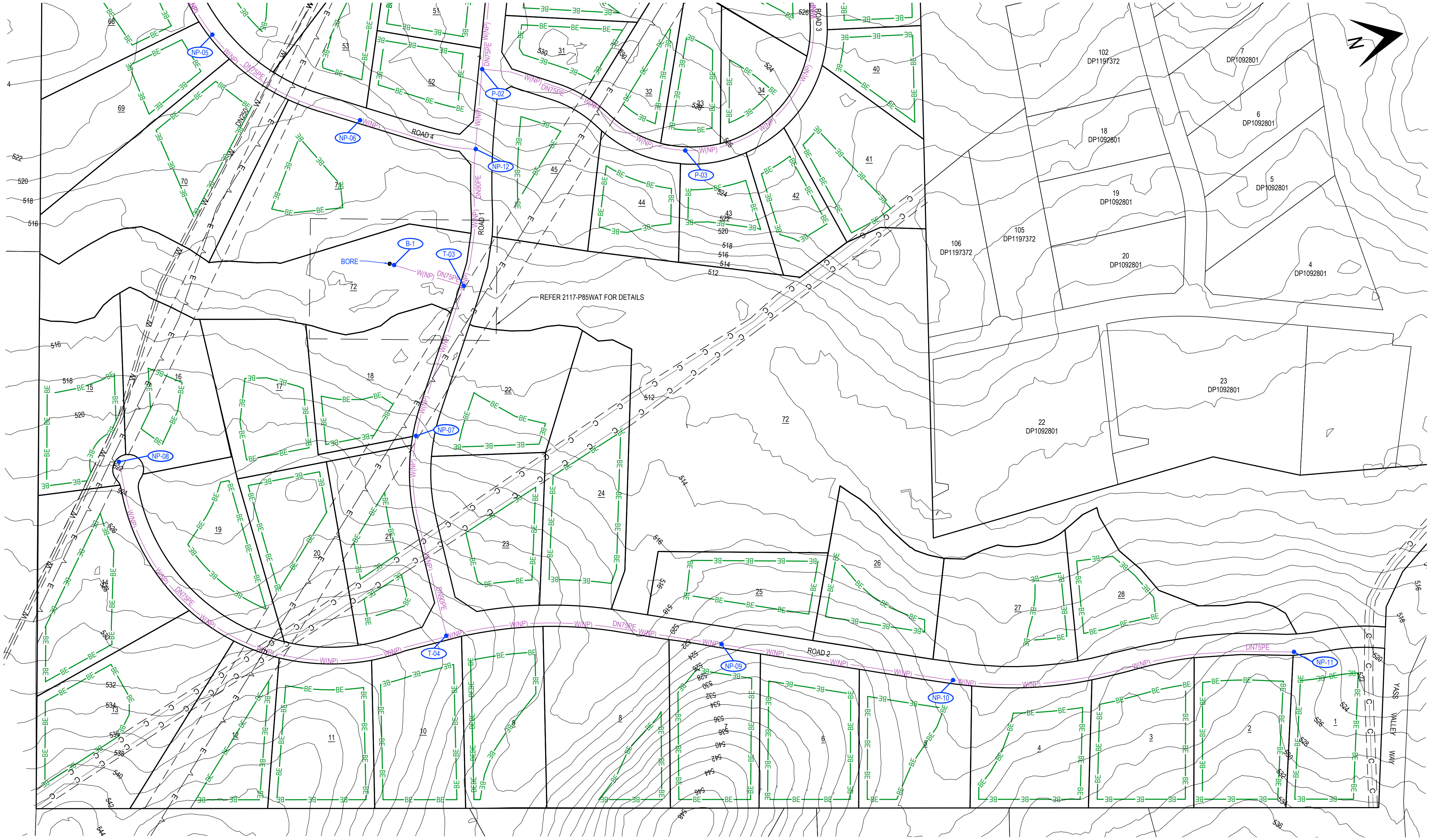
CLIENT ICETON INVESTMENTS PTY LTD
PROJECT 7 ICETON PL, YASS - RURAL RESIDENTIAL DEVELOPMENT
TITLE WATER SUPPLY CONCEPT PLAN - SHEET 1

DRAWING NUMBER 2117-P80WAT AMENDMENT: A

Date: Wednesday, 17 November 2021 10:05:16 AM User: Priddle File: H:\2021\2117_IcetonPl\Yass\099_2117Sync\061_dwgsSync\2117-P80WAT.dwg

FOR CONTINUATION REFER 2117-P80WAT



NOTES:

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2. REFER TO DWG 2117-P82WAT FOR HYDRAULIC ANALYSIS.
3. REFER TO DWG 2117-P87WAT FOR TYPICAL ON LOT WATER SERVICE/TANK DETAILS.

LEGEND:

Symbol	Description
	STAGE BOUNDARY
A	NODE
W DN150	PROPOSED WATER MAIN - DIAMETER
W(NP) DN150	PROPOSED NON-POTABLE WATER MAIN - DIAMETER
SV AV H	STOP VALVE, AIR VALVE, HYDRANT
WRM DN250	EXISTING WATER RISING MAIN - DIAMETER
W DN150	EXISTING WATER MAIN - DIAMETER
35.0	CONTOUR (INTERVAL AS SHOWN)

No.	REVISION	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
D						
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B						
A	POTABLE REPLACED WITH NON POTABLE	VAO	WP	VAO	VAO	17/11/2021
-	INITIAL ISSUE	VAO	WP	VAO	VAO	28/10/2021

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CLIENT ICETON INVESTMENTS PTY LTD

PROJECT 7 ICETON PL, YASS - RURAL RESIDENTIAL DEVELOPMENT

TITLE WATER SUPPLY CONCEPT PLAN - SHEET 2

DRAWING NUMBER 2117-P81WAT AMENDMENT: A

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PID

NON-POTABLE - 0.075 L/s/ET

Label	Is Active?	Elevation (m)	Zone	Demand (L/s)	Hydraulic Grade (m)	Pressure (kPa)	Pressure Head (m)	
NP-01	TRUE	553.0	Non Potable	0.15	554.14	11.10	1.14	**MIN**
NP-02	TRUE	542.0	Non Potable	0.23	551.19	90.00	9.19	
NP-03	TRUE	532.0	Non Potable	0.08	548.45	161.00	16.45	
NP-04	TRUE	529.0	Non Potable	0.30	547.61	182.10	18.61	
NP-05	TRUE	521.0	Non Potable	0.30	545.75	242.30	24.75	
NP-06	TRUE	518.0	Non Potable	0.15	544.32	257.60	26.32	
NP-07	TRUE	517.0	Non Potable	0.23	542.33	247.90	25.33	
NP-08	TRUE	522.0	Non Potable	0.37	541.49	190.70	19.49	
NP-09	TRUE	524.0	Non Potable	0.37	540.99	166.30	16.99	
NP-10	TRUE	518.0	Non Potable	0.30	540.76	222.70	22.76	
NP-11	TRUE	525.5	Non Potable	0.30	540.67	148.40	15.17	
NP-12	TRUE	519.0	Non Potable	0.00	543.58	240.60	24.58	
P-01	TRUE	531.0	Non Potable	0.37	545.16	138.60	14.16	
P-02	TRUE	527.0	Non Potable	0.37	543.63	162.70	16.63	
P-03	TRUE	523.5	Non Potable	0.53	543.09	191.70	19.59	
P-04	TRUE	531.0	Non Potable	0.45	542.93	116.80	11.93	
T-01	TRUE	539.0	Non Potable	0.08	551.21	119.50	12.21	
T-02	TRUE	537.0	Non Potable	0.15	550.42	131.40	13.42	
T-03	TRUE	512.0	Non Potable	0.00	543.02	303.60	31.02	**MAX**
T-04	TRUE	531.0	Non Potable	0.53	541.67	104.40	10.67	

CONNECTIONS TO EXISTING/STARTING HGL

Label	Is Active?	Elevation (m)	Zone	Flow (Out net) (L/s)	Hydraulic Grade (m)
R1-P	TRUE	538.00	Potable	(N/A)	(N/A)
R2-NP	TRUE	554.75	Non Potable	5.25	554.75

PIPES

Label	Is Active?	Length (m)	Zone	Start Node	Stop Node	Diameter (mm)	Material	Hazen-Williams C	Flow (L/s)	Velocity (m/s)	Headloss Gradient (m/m)	
P-194	TRUE	241	Non Potable	P-01	P-02	61	PE100	155	1.80	0.60	0.006	
P-195	TRUE	262	Non Potable	P-02	P-03	61	PE100	155	0.98	0.30	0.002	
P-196	TRUE	319	Non Potable	P-03	P-04	61	PE100	155	0.45	0.20	0.000	
P-198	TRUE	159	Non Potable	NP-01	T-01	73	PE100	155	5.10	1.20	0.018	
P-199	TRUE	165	Non Potable	T-01	NP-02	61	PE100	155	0.23	**0.10**	0.000	**MIN**
P-200	TRUE	48	Non Potable	T-01	T-02	73	PE100	155	4.80	1.10	0.016	
P-201	TRUE	205	Non Potable	T-02	NP-03	61	PE100	155	2.25	0.80	0.010	
P-202	TRUE	258	Non Potable	T-02	NP-04	61	PE100	155	2.40	0.80	0.011	
P-203	TRUE	218	Non Potable	NP-04	NP-05	61	PE100	155	2.10	0.70	0.009	
P-204	TRUE	224	Non Potable	NP-05	NP-06	61	PE100	155	1.80	0.60	0.006	
P-205(1)	TRUE	135	Non Potable	NP-06	NP-12	61	PE100	155	1.65	0.60	0.005	
P-205(2)	TRUE	158	Non Potable	NP-12	T-03	73	PE100	155	2.10	0.50	0.004	
P-206	TRUE	195	Non Potable	T-03	NP-07	73	PE100	155	2.10	0.50	0.004	
P-207	TRUE	231	Non Potable	NP-07	T-04	73	PE100	155	1.88	0.40	0.003	
P-208	TRUE	512	Non Potable	T-04	NP-08	61	PE100	155	0.37	**0.10**	0.000	**MIN**
P-209	TRUE	329	Non Potable	T-04	NP-09	61	PE100	155	0.98	0.30	0.002	
P-210	TRUE	278	Non Potable	NP-09	NP-10	61	PE100	155	0.60	0.20	0.001	
P-211	TRUE	401	Non Potable	NP-10	NP-11	61	PE100	155	0.30	**0.10**	0.000	**MIN**
P-212	TRUE	32	Non Potable	R2-NP	NP-01	73	PE100	155	5.25	**1.30**	0.019	**MAX**
P-213	TRUE	96	Non Potable	P-02	NP-12	61	PE100	155	0.45	0.20	0.000	
P-214	TRUE	364	Non Potable	P-01	NP-03	61	PE100	155	-2.17	0.70	0.009	

NOTES:

1. REFERENCE DOCUMENTS:
   D11 WATER RETICULATION, AUSSPEC, YASS VALLEY COUNCIL
   WSA-03-2011.3.1 WATER CODE OF AUSTRALIA.
   WATER DIRECTORATE – MAY 2009.

2. POTABLE MAINS ARE DN100 UNLESS NOTED OTHERWISE.
   PVC (O or M) - HAZEN WILLIAMS FRICTION COEFFICIENT = 150.
   NON POTABLE MAINS ARE DIAMETER AS NOTED.
   PE100 SDR11 – HAZEN WILLIAMS FRICTION COEFFICIENT = 155.

3. RESERVOIR PRESSURES:
   P.I.D. PRESSURE AT CONNECTION POINT R1-P DETERMINED
   FROM EXISTING O'CONNELL TOWN RESERVOIR – DETAILS PROVIDED BY YVC).
   T.W.L = 578.62m AHD
   B.W.L = 576.80m AHD (@ 80% CAPACITY)
   STARTING WATER ELEVATION = 574.07m (50% CAPACITY – CALCULATED)
   LESS x m MAIN WITH HEAD LOSS OF 3m/km

   EG. STARTING WATER ELEVATION @ R1-P = 574.07m - 3.9 x 3
   = 562.37m

   HEADLOSS UNDER LOW FLOW/STATIC SCENARIO 0.25m/km

4. POTABLE
   ~~MINIMUM (DESIRABLE) PRESSURE: 20m HEAD~~
   ~~MINIMUM (ABSOLUTE) PRESSURE: 15m HEAD~~
   ~~MAXIMUM PRESSURE PERMISSIBLE: 60m HEAD~~
   NON-POTABLE
   MINIMUM PRESSURE: 5m HEAD @ MAIN IN ROAD (BREAK TANKS PROPOSED FOR EACH LOT)
   MAXIMUM PRESSURE PERMISSIBLE: 60m HEAD

5. DEMANDS:
   POTABLE: P.I.D. 0.15 L/s/ET. YVC AUSPEC
   NON-POTABLE: P.I.D. 0.075L/s/ET (GIVEN TANKS ARE PROPOSED FOR EACH LOT)

6. NETWORK ANALYSED UNDER STEADY STATE CONDITIONS USING WATERCAD.

8. FLOW VELOCITIES:
   MAXIMUM 2.0 m/s (PID)
   MAXIMUM 4.0 m/s (PID+FIRE)

9. FIRE FLOW MODELLED:
   ~~- 25 l/s @ ONE FIRE FRONT ON POTABLE NETWORK~~
   ~~FIRE SCENARIO'S MODELLED @ P-04~~
   ~~FIRE FLOW NOT MODELLED ON NON-POTABLE SYSTEM.~~

No.	REVISION	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
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A	POTABLE REMOVED, REMODELLED	VAO	WP	VAO	VAO	17/11/2021
-	**INITIAL ISSUE**	VAO	WP	VAO	VAO	28/10/2021

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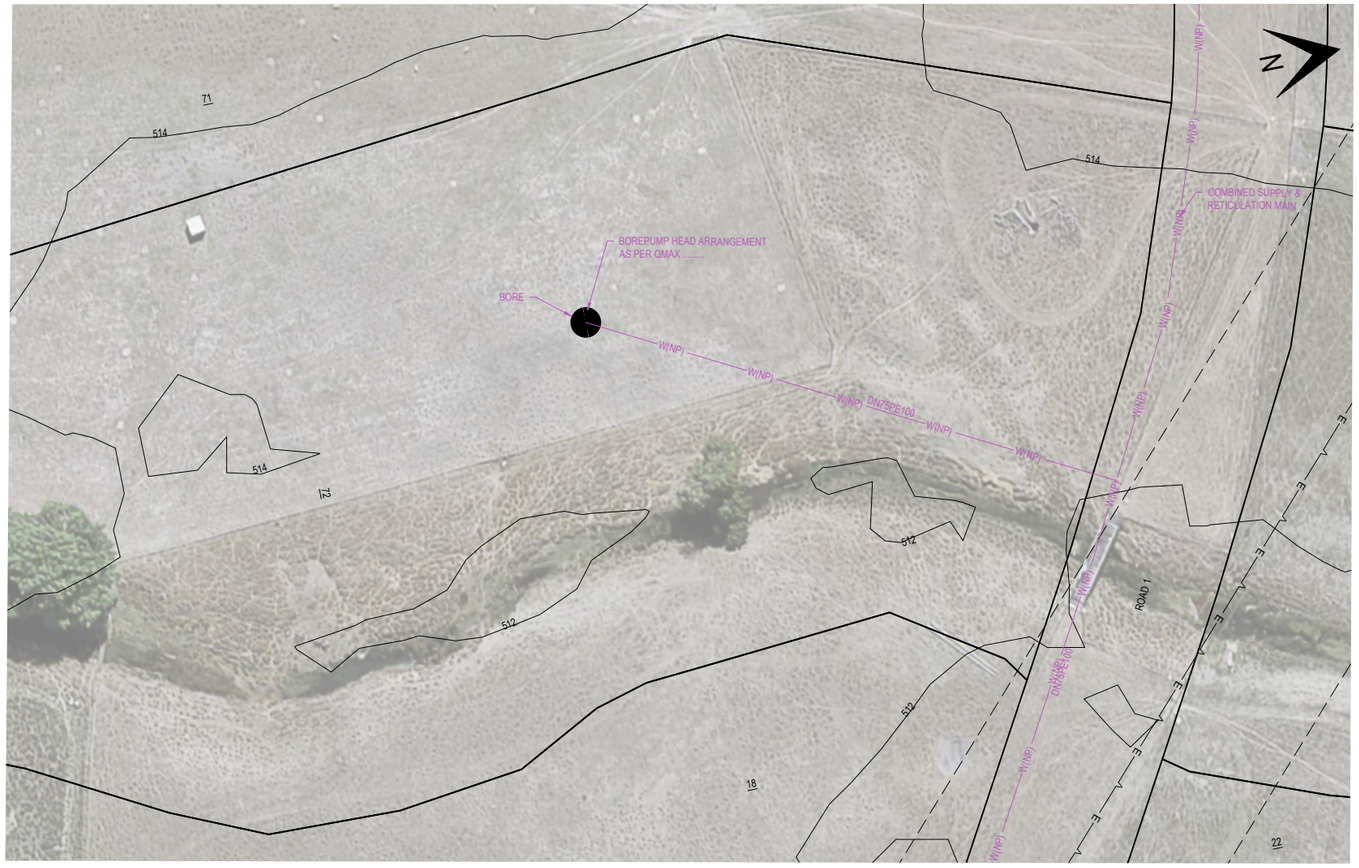
CLIENT ICETON INVESTMENTS PTY LTD
PROJECT 7 ICETON PL, YASS - RURAL RESIDENTIAL DEVELOPMENT
TITLE HYDRAULIC ANALYSIS RESULTS
DRAWING NUMBER 2117-P82WAT
AMENDMENT: A



NOTES:

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2. REFERENCE DOCUMENTS:
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   WSA-03-2011.3.1 WATER CODE OF AUSTRALIA
   WATER DIRECTORATE – MAY 2009.

3. DEMAND PARAMETERS
   PEAK DAY DEMAND (PDD) = 70 LOT X 4KL/D/LOT
   = 280KL

4. PEAK DAY PARAMETERS
   PEAK DAY DEMAND (PDD) = 280KL
   PUMP TIME = 22 HOURS/DAY
   PUMP FLOW RATE = 280KL/22HR
   = 3.54L/S

5. BORE TEST PARAMETERS
   REFER SUMMARY OF RESULTS OF A 40-HOUR DRAWDOWN & RECOVERY TEST – PROPOSED ICETON SUBDIVISION, YASS NSW (HYDROILEX REPORT HG21.9.2CA) – DRAFT 29 SEPTEMBER 2021.
   RECOMMENDED FLOW RATE = 2.0L/S
   RECOMMENDED PUMP TIME = 12 HOURS/DAY
   RECOMMENDED DAILY VOLUME = 2.0L/S X 12 HOURS
   = 86.4KL/D

6. BORE PUMP
   BORE HEAD RL = RL 513
   TANK TWL = RL 556
   BORE PUMP SET LEVEL = RL 433 (80M BELOW BORE HEAD RL)
   STATIC HEAD = 123M
   FLOW RATE = 2.0L/S

7. RISING MAIN
   SELECT DN75 PE100 (SDR11)
   FRICTION HEAD LOSS @ 2.0L/S = 0.9M/100M
   FLOW VELOCITY = 0.7M/S <1.0M/S
   TOTAL FRICTION HEAD LOSS = 1300M X 0.9/100
   = 11.7M
   FITTINGS FRICTION HEAD LOSS = 0.25M (ALLOWANCE)

8. SYSTEM REQUIREMENTS
   TOTAL PUMP HEAD REQUIRED = 123 + 11.7 + 0.25
   = 134.95M SAY 135M
   PUMP DUTY 2.0L/S @ 135M

9. PUMP SELECTION QMAX
   PUMP: GRUNDFOS SP 7-31 4.0KW 3^415V 50HZ
   PUMP DUTY: 2.0L/S @ 135.25M
   CONTROL MECHANISM: START – TIME CLOCK
   STOP – NO FLOW
   (FLOAT VALVES SHUT ON ALL TANKS)
   BORE CAP: GRUNDFOS CAST IRON
   DN50 STAINLESS STEEL MANIFOLD

No.	REVISION	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
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A	TOTAL DEMAND AMENDED	VAO	WP	VAO	VAO	17/11/2021
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CLIENT ICETON INVESTMENTS PTY LTD
PROJECT 7 ICETON PL, YASS - RURAL RESIDENTIAL DEVELOPMENT
TITLE BORE GENERAL ARRANGEMENT
DRAWING NUMBER 2117-P85WAT AMENDMENT: A

Date: Wednesday, 17 November 2021 9:57:39 AM User: Priddle File: H:\2021\2117_IcetonPtYass\099_2117Sync\061_dwgsSync\2117-P85WAT.dwg

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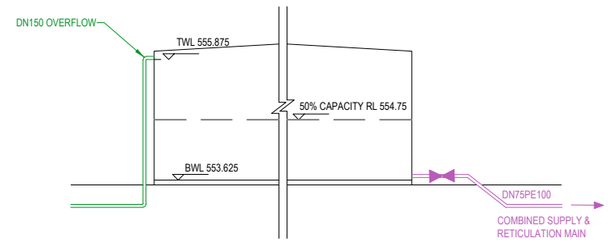
   WSA-03-2011.3.1 WATER CODE OF AUSTRALIA
   WATER DIRECTORATE – MAY 2009.

2. FLOW PARAMETERS:
   70 LOTS – NON-POTABLE COMMUNITY BORE WATER SYSTEM OUTDOOR USE ONLY
   (1 LOT – POTABLE YASS TOWN WATER SUPPLY SYSTEM)
   PEAK DAY DEMAND – 4KL/ET/DAY (ASSUMED)

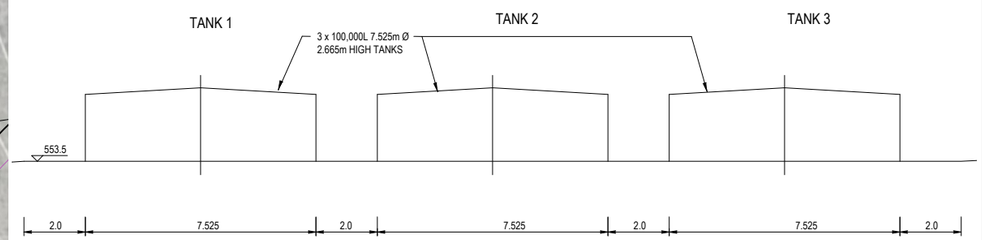
3. VOLUME PARAMETERS
   4KL/D/LOT – PWD
   PEAK DAILY DEMAND 46LOT @ 4KL/D =184KL/D

4. RESERVOIRS:
   PROPOSED RESERVOIRS 3 X 100,000L – 7.525MØ, 2.665M (H).
   TOTAL VOLUME PROVIDED = 300KL
   TWL = RL 555.875
   50% CAPACITY HGL = RL 554.750
   BWL = RL 553.625

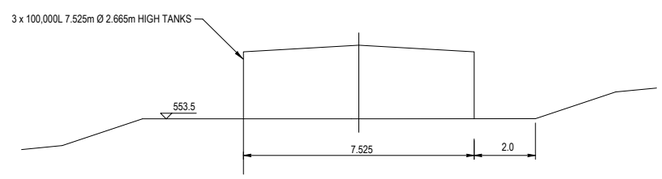
5. ON LOT POTABLE STORAGE:
   22,500L/LOT
   70 LOTS
   TOTAL STORAGE = 1575KL OR 5.6 DAYS PEAK DAY DEMAND



TANK INLET/OUTLET
SCHEMATIC
N.T.S.



SECTION A-A
SCALE 1:100 (A1)



SECTION B-B
SCALE 1:100 (A1)

No.	REVISION	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
D						
C						
B						
A	ADDITIONAL TANK	VAO	WP	VAO	VAO	17/11/2021
-	INITIAL ISSUE	VAO	WP	VAO	VAO	28/10/2021

DO NOT SCALE

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SCALE IN METRES
1:500 (A1) 0 5 10 20 30 1:1000 (A3)

Survey source: GENIUM
Survey datum: XXXXXXX
Date: 26/8/2021
Coordinate system: XXXXXXX

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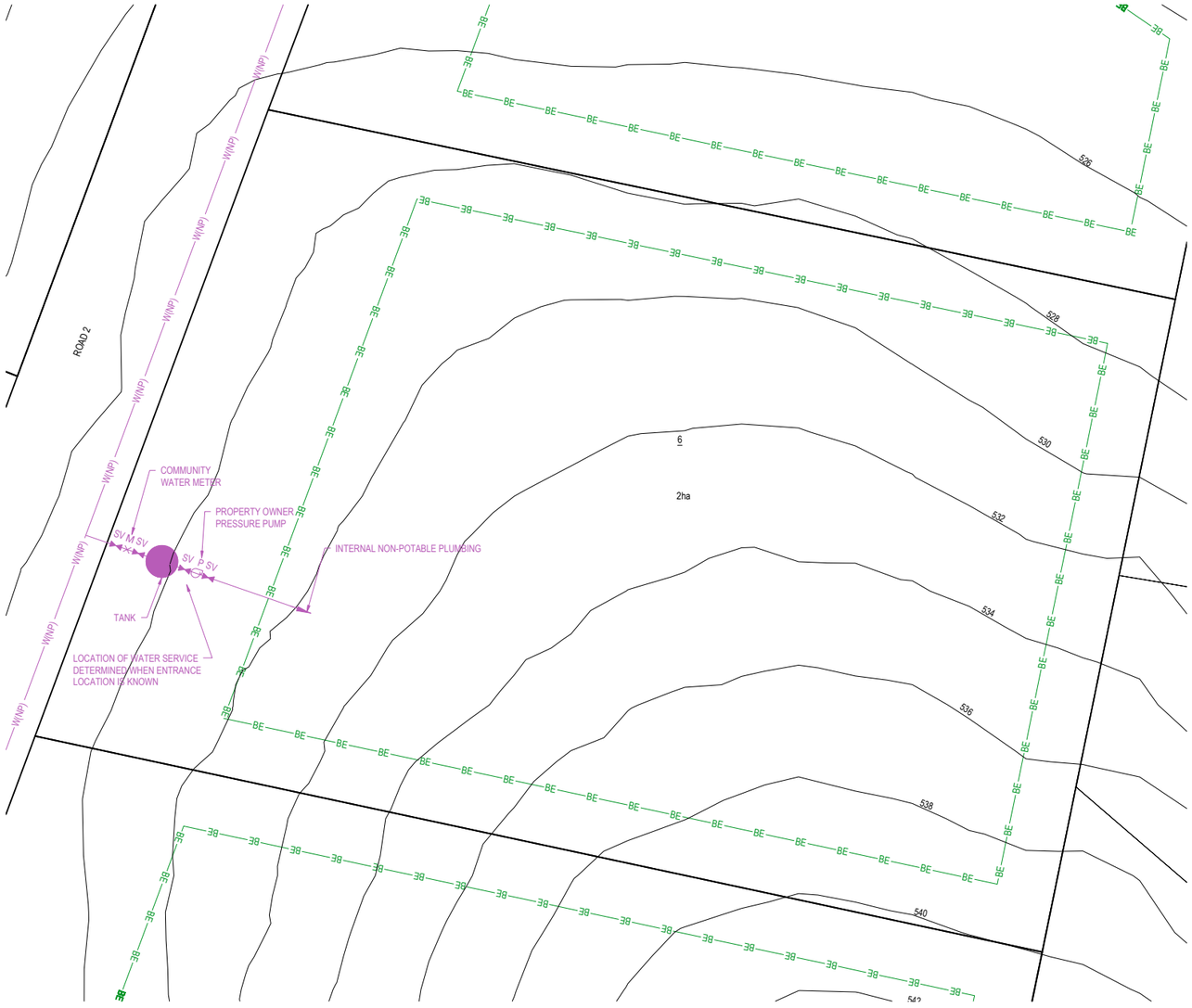
bermagui nsw 2546
p 02 6494 0239
m 0408 361 612

CLIENT ICETON INVESTMENTS PTY LTD
PROJECT 7 ICETON PL, YASS - RURAL RESIDENTIAL DEVELOPMENT
TITLE HEADER TANK GENERAL ARRANGEMENT

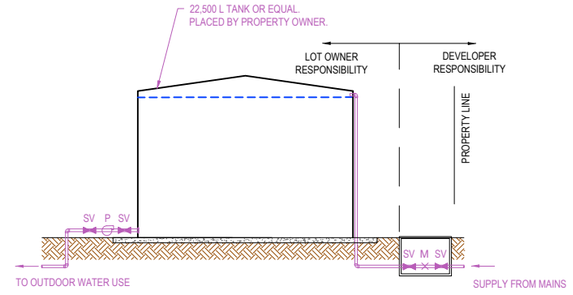
DRAWING NUMBER 2117-P86WAT AMENDMENT: A

NOTES:

1. REFER TO DWG 2117-P02NTS FOR NOTES & LEGEND.
2. WATER TANK ARRANGEMENT SHOWN FOR NON POTABLE SYSTEM. PROVIDE SAME FOR LOTS ON YVC POTABLE WATER SYSTEM.



PLAN
SCALE 1:500 (A1)



ON LOT WATER TANK
SCHEMATIC
SCALE 1:50 (A1)

D						
C						
B						
A						
-	INITIAL ISSUE	VAO	WP	VAO	VAO	28/10/2021
No.	REVISION	DESIGNED	DRAWN	CHECKED	APPROVED	DATE

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SCALE IN METRES
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SCALE IN METRES
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Survey source: GENIUM
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CLIENT ICETON INVESTMENTS PTY LTD
PROJECT 7 ICETON PL, YASS - RURAL RESIDENTIAL DEVELOPMENT
TITLE ON LOT WATER TANK - TYPICAL DETAILS
DRAWING NUMBER 2117-P87WAT
AMENDMENT:

Date: Thursday, 28 October 2021 4:17:23 PM User: Priddle File: H:\2021\2117_IcetonPlYass\099_2117Sync\061_dwgsSync\2117-P87WAT.dwg