

DATUM LEVEL
P.S.M. 109474
RL 15.122 AHD
LOT 1006 BERRY STREET
CABOOLTURE SOUTH

EGIS CONSULTING PTY LTD
CONTACT
OLIVER HARTIGAN
TELEPHONE
(07) 3895 3444

MAJOR CONNECTIONS CERTIFICATION
I, _____, on _____, certify that:
1. This plan has been assessed in accordance with requirements of the SEQ Code and Unitywater Standards;
2. The construction of the works must only be undertaken in accordance with this drawing; and
3. No design Amendments are permitted either before or during construction without the approval of Unitywater.
4. During construction, where required, Variation Notifications must be submitted in accordance with A&C Manual
Major connections certifier _____
For and on behalf of EGIS CONSULTING PTY LTD: ACR/AE2018-039

NAME OF ESTATE	RIVERBANK ESTATE STAGE 20	
SUBDIVIDER	PEET CABOOLTURE SYNDICATE LTD	
APPLICATION No.	-	
SP DELEGATE APPROVAL DATE	**	
DRAWING/PLAN No.	21-000058.1-500 - 501, 510 - 511	
No. OF LOTS	32	
AREA IN Ha.	1.934	
LENGTH OF SEWERS	DN110	25.000m 28.679m
	DN160	174.000m 154.129m
	DN250	14.000m 40.861m

NOTE:
WHERE A PNI IS REQUIRED, ALL WORKS ON EXISTING SEWER ~~TO BE WERE~~ CARRIED OUT BY UNITYWATER PRIVATE WORKS AT DEVELOPER'S EXPENSE.

ALL ENVIRONMENTAL PROTECTION MEASURES ~~SHALL BE WERE~~ IMPLEMENTED PRIOR TO ANY CONSTRUCTION WORK, INCLUDING CLEARING COMMENCING.

PROJECT SITE ENVIRONMENTAL MANAGEMENT APPROVAL NOTES

- VEGETATION PROTECTION**
- A. TREES LOCATED ALONG FOOTPATH ~~SHOULD BE WERE~~, WHERE POSSIBLE, TRANSPLANTED PRIOR TO CONSTRUCTION, OR REPLACED IF DESTROYED.
 - B. WHEN WORKING WITHIN 4m OF TREES, RUBBER OR HARDWOOD GIRDLES ~~SHOULD BE WERE~~ CONSTRUCTED WITH 1.8m BATTENS CLOSELY SPACED AND ARRANGED VERTICALLY FROM GROUND LEVEL. GIRDLES ~~MUST BE WERE~~ STRAPPED TO TREES PRIOR TO CONSTRUCTION AND REMAIN TO COMPLETION.
 - C. WHERE POSSIBLE, TREE ROOTS ~~SHOULD BE WERE~~ TUNNELLED UNDER, RATHER THAN SEVERED. IF ROOTS ARE SEVERED, THE DAMAGED AREA SHOULD BE TREATED WITH A SUITABLE FUNGICIDE, CONTACT COUNCIL ARBORIST FOR FURTHER ADVICE.
 - D. ANY TREE LOPPING REQUIRED ~~SHOULD BE WAS~~ UNDERTAKEN BY AN APPROVED ARBORIST.
- SOIL**
- A. TOPSOIL AND SUBSOIL ~~SHOULD BE WAS~~ STOCKPILED SEPARATELY.
 - B. CARE ~~SHOULD BE WAS~~ TAKEN TO PREVENT SEDIMENT FROM ENTERING THE STORMWATER SYSTEM. THIS MAY INVOLVE PLACING APPROPRIATE SEDIMENT CONTROLS AROUND STOCKPILES.
- CREEK CROSSINGS**
- A. SILTATION CONTROL MEASURES ~~SHOULD BE WERE~~ PLACED DOWNSTREAM OF ANY EXCAVATION WORKS.
 - B. APPROPRIATE SEDIMENT CONTROLS ~~SHOULD BE WERE~~ USED TO PREVENT SEDIMENT FROM ENTERING THE CREEK.
 - C. NO SOIL ~~SHOULD BE WAS~~ STOCKPILED WITHIN 5m OF THE CREEK.
- REHABILITATION**
- A. PREDISTURBANCE SOIL PROFILES AND COMPACTION LEVELS ~~ARE TO BE WERE~~ REINSTATED.
 - B. PREDISTURBANCE VEGETATION PATTERNS ~~SHOULD BE WERE~~ RESTORED.

ALL CONSTRUCTION WORK UNDERTAKEN BY THE CONTRACTOR ~~SHALL COMPLY~~ COMPLIED WITH ALL APPLICABLE WORKPLACE HEALTH AND SAFETY LEGISLATION.

LIVE WORKS TABLE

NO.	DESCRIPTION	SEW DIA	MH No.	MH/MS TYPE	COVER TYPE	LOT No.	F.S.L.	E.S.L.	I.L.	DEPTH
1(A)	22.529m FROM EXISTING MAINTENANCE HOLE, CONTRACTOR TO CONNECT CONNECTED TO EXISTING STUB AND LAY NEW DN160 SEWER RETICULATION LINE 24. AFTER CLEANSING, TESTING AND INSPECTION, NOTIFY NOTIFIED UNITYWATER.	DN160PE	EX MH5364226	G	D		8.801 8.800	5.121	6.428	2.373m
1(B)	AFTER NEW WORKS ACCEPTED 'ON MAINTENANCE' UNITYWATER TO CONNECT CONNECTED NEW WORKS TO EXISTING STUB (OR AS AGREED WITH UNITYWATER).									
2(A)	TO BE UNDERTAKEN BY UNITYWATER PRIVATE WORKS. EXISTING DN250 STUB TO BE WAS LOWERED BY 53mm FROM EXISTING MAINTENANCE HOLE.	DN250PE	EX MH5324734	F	D	LOT 1473	9.046 9.050	9.250	5.857	3.189m
2(B)	1.624m FROM EXISTING MAINTENANCE HOLE, UNITYWATER TO CONNECT CONNECTED TO EXISTING STUB, AND LAY NEW DN250 SEWER RETICULATION LINE 20. AFTER CLEANSING, TESTING AND INSPECTION.									
2(C)	AFTER NEW WORKS ACCEPTED 'ON MAINTENANCE' UNITYWATER TO CONNECT CONNECTED NEW WORKS TO EXISTING MANHOLE (OR AS AGREED WITH UNITYWATER).									
2(D)	EXISTING MANHOLE COVER TO BE WAS LOWERED BY 204mm. AFTER CLEANSING, TESTING AND INSPECTION, NOTIFY NOTIFIED UNITYWATER.									
3(A)	CONTRACTOR TO LAY LAID NEW DN160 SEWER SHORT 1.00m OF EXISTING DN110 STUB AT EXISTING MANHOLE EXMH 5324738. AFTER CLEANSING, TESTING AND INSPECTION, NOTIFY NOTIFIED UNITYWATER. UNITY WATER TO REMOVE REMOVED DN110 HC STUB AND REPLACE REPLACED WITH DN160 SEWER STUB AND CONNECT CONNECTED TO NEW LINE.	DN160PE	EX MH5324738	F	D	LOT 1463	9.176 9.390	8.700	5.275	4.145m
3(B)	UNITYWATER TO PROVIDE PROVIDED NEW HOUSE CONNECTION FOR LOT 1463									
3(C)	AFTER NEW WORKS ACCEPTED 'ON MAINTENANCE' UNITYWATER TO CONNECT CONNECTED NEW WORKS TO EXISTING MANHOLE (OR AS AGREED WITH UNITYWATER).									
3(D)	EXISTING MANHOLE COVER TO BE WAS LOWERED BY 56mm. AFTER CLEANSING, TESTING AND INSPECTION, NOTIFY NOTIFIED UNITYWATER.									
4	EXISTING MANHOLE COVER TO BE WAS LOWERED BY 84mm. AFTER CLEANSING, TESTING AND INSPECTION, NOTIFY NOTIFIED UNITYWATER.	DN250PE	EX MH5324737	F	D	LOT 1465	9.426 9.550	9.510	5.540	3.886m

NOTE:
NOTWITHSTANDING THAT EXISTING SERVICES MAY OR MAY NOT BE SHOWN ON THE JOB DRAWINGS, NO RESPONSIBILITY ~~IS WAS~~ TAKEN BY THE SUPERINTENDENT OR THE PRINCIPAL FOR THIS INFORMATION WHICH HAS BEEN SUPPLIED BY OTHERS. THE DETAILS ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR ~~SHALL ASCERTAIN~~ ASCERTAINED THE POSITION OF ANY UNDERGROUND SERVICES IN THIS AREA AND ~~SHALL BE WAS~~ RESPONSIBLE FOR MAKING GOOD ANY DAMAGE THERETO.

PROPERTY CONNECTIONS HAVE BEEN DESIGNED TO CONTROL THE REQUIRED SERVICE AREA OF EACH LOT AT A GRADE OF 1 IN 60 AND A MAXIMUM DEPTH OF PROPERTY CONNECTION OF 1.50m, UNLESS NOTED OTHERWISE.

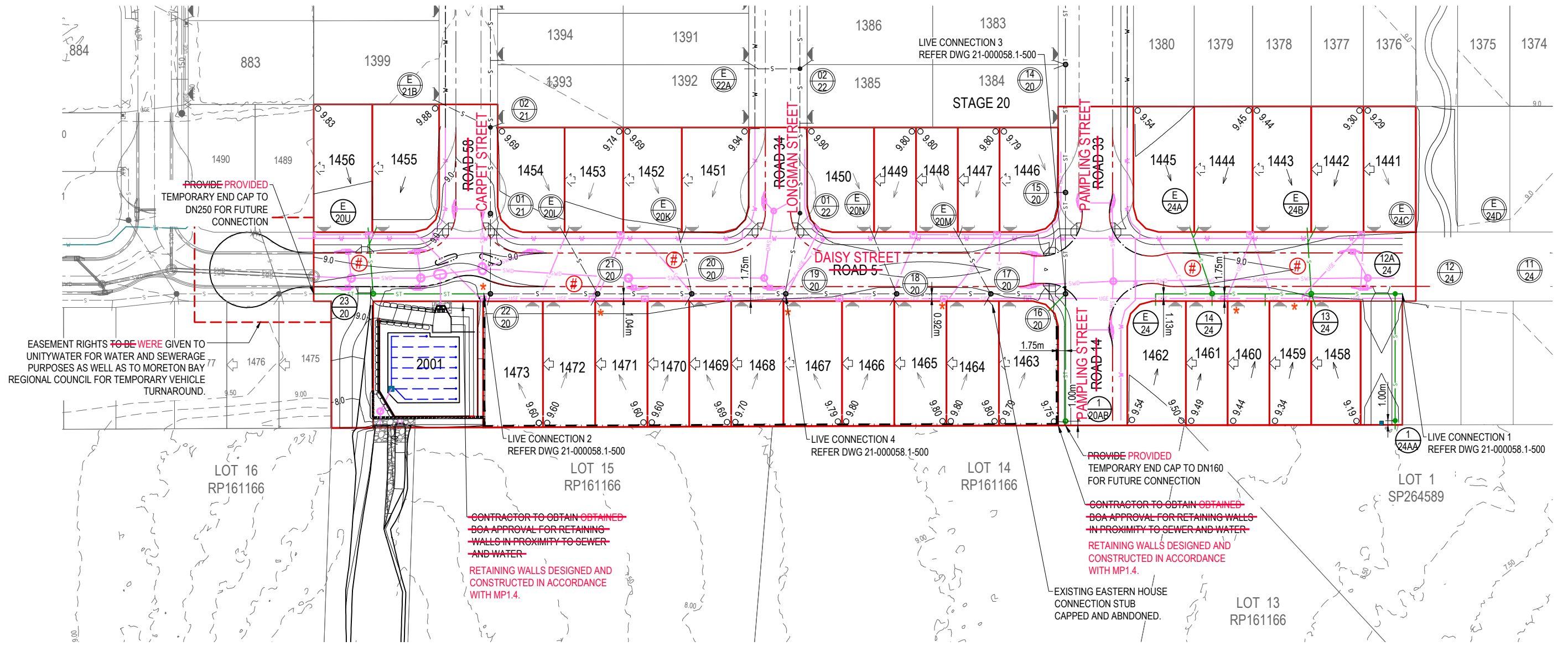
SEWER RETICULATION NOTES

1. ALL DESIGN OF GRAVITY SEWERAGE NETWORK WORKS ~~SHALL BE WERE~~ IN ACCORDANCE WITH THE GRAVITY SEWERAGE CODE OF AUSTRALIA, SOUTH EAST QUEENSLAND SERVICE PROVIDERS EDITION VERSION 2.0 (JULY 2019), PART 1: PLANNING AND DESIGN AND PART 3: DRAWINGS.
2. ALL CONSTRUCTION OF GRAVITY SEWERAGE NETWORK WORKS ~~SHALL BE WERE~~ IN ACCORDANCE WITH THE GRAVITY SEWERAGE CODE OF AUSTRALIA, SOUTH EAST QUEENSLAND SERVICE PROVIDERS EDITION VERSION 2.0 (JULY 2019), PART 2: CONSTRUCTION AND PART 3: DRAWINGS.
3. ALL PRODUCTS AND MATERIALS USED IN CONSTRUCTION OF GRAVITY SEWERAGE NETWORK WORKS ~~SHALL BE WERE~~ IN ACCORDANCE WITH THE SOUTH EAST QUEENSLAND CODE ACCEPTED CIVIL INFRASTRUCTURE PRODUCTS AND MATERIAL LIST, AND THE MOST RECENT VERSION OF THE LIST IN EFFECT AT THE DATE OF THE CONSTRUCTION PRE-START MEETING.
4. THE CONSTRUCTION OF THE SEWERAGE WORK SHOWN ON THIS DRAWING ~~MUST HAVE HAD CONTRACT ADMINISTRATION UNDERTAKEN BY AN ENGINEER WHO HAS RPEQ REGISTRATION. WORK NOT COMPLYING WITH THIS REQUIREMENT WILL NOT BE WAS NOT~~ PERMITTED TO CONNECT TO THE RETICULATION SYSTEM.
5. PRIOR TO COMMENCEMENT OF ANY VARIATION WORKS, THE CONSTRUCTOR ~~MUST HAD~~ FIRST OBTAIN APPROVAL FROM THE REGISTERED MAJOR CONNECTIONS CERTIFIER.
6. ALL LIVE WORKS ASSOCIATED WITH THE SEWERAGE NETWORK ~~SHALL BE WERE~~ CARRIED OUT AT THE DEVELOPER'S COST, EITHER:
 - a) BY THE CONSTRUCTOR, FOR 'MINOR' SEWERAGE CONNECTION WORKS, DEFINED IN THE A&C MANUAL UNDER SECTION PRE-START MEETING, UNDER THE INSPECTION OF THE CONSTRUCTION CERTIFIER WHO SHALL FOLLOW THE PLANNED NETWORK INTERVENTION PROCESS, OR
 - b) BY QUOTATION REQUEST TO UNITYWATER PRIVATE WORKS, FOR SEWERAGE CONNECTION WORKS NOT MEETING THE CRITERIA FOR CLASSIFICATION AS 'MINOR'.
7. EACH ALLOTMENT ~~SHALL BE WAS~~ SERVED BY A DN110 PE PROPERTY CONNECTION. FOR ALLOTMENTS OTHER THAN SINGLE RESIDENTIAL, A DN160 PE PROPERTY CONNECTION ~~SHALL BE WAS~~ PROVIDED.
8. PROPERTY CONNECTIONS ~~SHALL BE WERE~~ LOCATED WITHIN THE PROPERTY AS SHOWN IN THE DRAWINGS.
9. PROPERTY CONNECTION BRANCHES ~~SHALL EXTEND EXTENDED~~ INTO THE PROPERTY A MINIMUM OF 500mm AND A MAXIMUM OF 750mm.
10. WHERE PIPES ARE LAID IN FILL, THE FILLING ~~SHALL BE WAS~~ CARRIED OUT IN LAYERS NOT EXCEEDING 300mm (LOOSE) IN DEPTH AND ~~SHALL BE WAS~~ COMPACTED UNTIL THE COMPACTION ~~IS WAS~~ NOT LESS THAN 95% OF THE MATERIAL'S MAXIMUM COMPACTION WHEN TESTED IN ACCORDANCE WITH A.S. 1289 (MODIFIED COMPACTION). TESTING ~~SHALL BE WAS~~ CARRIED OUT AFTER EACH ALTERNATE LAYER. IN ALL SUCH CASES, APPROVAL OF CONSTRUCTED SEWERS ~~WILL NOT BE WAS NOT~~ ISSUED BY SEQ SERVICE PROVIDER UNLESS CERTIFICATES ARE PRODUCED CERTIFYING THAT THE REQUIRED COMPACTION HAS BEEN ACHIEVED.
11. WHERE SEWERS HAVE A GRADE OF 1 IN 20 OR STEEPER, TRENCH STOPS AND/OR BULKHEADS ~~SHALL BE WERE~~ CONSTRUCTED IN ACCORDANCE WITH THE SEQ-SP's.
12. THE CONTRACTOR ~~SHALL VERIFY VERIFIED~~ THE LOCATION AND DEPTH OF EXISTING SERVICES WITH RELEVANT AUTHORITIES BEFORE COMMENCING WORKS.
13. SEWER ~~SHALL BE WAS~~ DISUSED/ABANDONED IN ACCORDANCE WITH PROCEDURES SET OUT IN THE SEQ-SP's.
14. BENCH ~~MARK MARKED AND LEVEL LEVELED~~ TO AHD.
15. TANGENT POINT SET-OUT INFORMATION FOR HORIZONTAL BENDS ~~IS TO BE WAS~~ INCLUDED ON AS-CONSTRUCTED DRAWINGS.
16. MAINTENANCE STRUCTURES GREATER THAN 4m DEEP AND WITH AN INTERNAL DIAMETER 1500 OR MORE ~~TO BE WERE~~ PE LINED.
17. BOLT DOWN COVERS ARE REQUIRED ON MAINTENANCE STRUCTURES LOCATED BELOW THE 1% AEP FLOOD LEVEL AND IN ACCORDANCE WITH NOTE 13 OF SEQ CODE STD DWG SEQ-SEW-1308-10
18. WHERE HORIZONTAL CURVES ARE PROPOSED, ~~ADAPT ADOPTED~~ MINIMUM RADIUS BEND AS NOMINATED WITHIN WITH PIPA P02 GUIDELINES.
19. MAINTENANCE STRUCTURES DEEPER THAN THE 1% AEP FLOOD LEVEL (RL7.92) ~~SHALL BE WERE~~ CAST-IN-SITU.

ENGINEER'S CERTIFICATION
Daniel Gibson
I, _____, HERE BY CERTIFY THAT:
1. THE INFORMATION CONTAINED IN THIS DRAWING / DOCUMENT IS IN COMPLIANCE WITH APPROVED DRAWINGS AND DESIGN.
2. THE NEW WATER AND SEWERAGE WORKS DEFINED BY THIS DRAWING HAVE BEEN DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE SEQ CODE.
3. THIS REPRESENTS AN ACCURATE RECORD OF AS-CONSTRUCTED WORKS.
4. I ACCEPT RESPONSIBILITY FOR THE INFORMATION CONTAINED IN THIS DRAWING/DOCUMENT.
RPEQ (SIGNATURE) _____ RPEQ No. 23875 DATE: 05/07/2024

* The original issue or last amendment of this drawing contained the original signature.

<table border="1"> <thead> <tr> <th>REVISION</th> <th>DATE</th> <th>ISSUE DETAILS</th> <th>DRAWN</th> <th>DESIGN</th> <th>DRAWN CHECK</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>13.05.22</td> <td>ISSUED FOR APPROVAL</td> <td>CHC</td> <td>CR</td> <td></td> </tr> <tr> <td>2</td> <td>21.10.22</td> <td>STAMP AMENDED</td> <td>CH</td> <td>CH</td> <td></td> </tr> <tr> <td>3</td> <td>23.03.23</td> <td>ISSUED FOR CONSTRUCTION</td> <td>CH</td> <td>HS</td> <td></td> </tr> <tr> <td>4</td> <td>07.08.23</td> <td>ISSUE FOR CONSTRUCTION</td> <td>CH</td> <td>CH</td> <td></td> </tr> <tr> <td>A</td> <td>05.07.24</td> <td>AS CONSTRUCTED</td> <td>JM</td> <td>CH</td> <td></td> </tr> </tbody> </table>	REVISION	DATE	ISSUE DETAILS	DRAWN	DESIGN	DRAWN CHECK	1	13.05.22	ISSUED FOR APPROVAL	CHC	CR		2	21.10.22	STAMP AMENDED	CH	CH		3	23.03.23	ISSUED FOR CONSTRUCTION	CH	HS		4	07.08.23	ISSUE FOR CONSTRUCTION	CH	CH		A	05.07.24	AS CONSTRUCTED	JM	CH		<p>AS CONSTRUCTED</p> <p>APPROVED MARK WYER RPEQ 16191</p> <p>FOR & ON BEHALF OF EGIS CONSULTING PTY LTD</p>	<p>SCALE</p> <p>1:500 10 5 0 10 20 A1 1:1000</p>	<p>CLIENT</p> <p>PEET CABOOLTURE SYNDICATE LTD</p>	<p>PROJECT</p> <p>egis © 2023 Egis Consulting Pty Ltd www.egis-group.com</p>	<p>PROJECT</p> <p>RIVERBANK ESTATE VISENTIN ROAD PATHWAY</p> <p>DISCLAIMER ALL DIMENSIONS TO BE CHECKED ON SITE BY CONTRACTOR PRIOR TO CONSTRUCTION. USE WRITTEN DIMENSIONS ONLY, DO NOT SCALE.</p>	<p>DRAWING TITLE</p> <p>SEWER RETICULATION NOTES AND DETAILS</p> <p>PROJECT No. 21-000058.1 DRAWING No. 500 REVISION A</p>
REVISION	DATE	ISSUE DETAILS	DRAWN	DESIGN	DRAWN CHECK																																					
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LEGEND

- **PROPOSED EASEMENT**
- S **PROPOSED SEWERAGE RETICULATION DN160 PE100**
- ST **PROPOSED SEWERAGE RETICULATION DN250 PE100**
- ST **EXISTING SEWERAGE RETICULATION DN250 PE100**
- S **EXISTING SEWERAGE RETICULATION DN160 PE100**
- **PROPOSED SLEEPER RETAINING WALL**
- **PROPOSED BLOCK RETAINING WALL**
- **PROPOSED 'B' GRADE SANDSTONE ROCK WALLS**
- SWD **PROPOSED STORMWATER DRAINAGE**
- SWD **EXISTING STORMWATER DRAINAGE**
- W **PROPOSED WATER RETICULATION**
- W **EXISTING WATER RETICULATION**
- 8.0 **EXISTING SURFACE CONTOUR (0.5m INTERVALS)**
- 8.0 **DESIGN SURFACE CONTOUR (0.5m INTERVALS)**
- UGE **PROPOSED ENERGEX LINE UNDERGROUND**
- E **PROPOSED ELECTRICAL PIT**
- <--> **MANDATORY ZERO LOT BOUNDARY**
- <--> **NOMINAL ZERO LOT BOUNDARY**
- <--> **INDICATIVE DRIVEWAY LOCATIONS**
- 10.23 **LOT CONTROL LEVEL**
- **DIRECTION OF HOUSE CONTROL**
- (1) **PROPOSED SEWER STRUCTURE LABEL**
- (1) **EXISTING SEWER STRUCTURE LABEL**

NOTE:
WHERE A PNI IS REQUIRED ALL WORKS ON EXISTING SEWER **MUST BE WERE** CARRIED OUT BY UNITYWATER PRIVATE WORKS AT THE DEVELOPER'S EXPENSE

*** NOTE:**
ALL UGE TO CROSS OVER SEWER RETICULATION WITH MINIMUM 225mm VERTICAL CLEARANCE

REFER DRAWING 21-00058.1-511 FOR STORMWATER BRIDGING OVER SEWER PIPES DETAILS

REFER DRAWING N 21-000058.1-500 FOR STANDARD SEWERAGE NOTES, LOCALITY PLAN AND LIVE WORKS TABLE

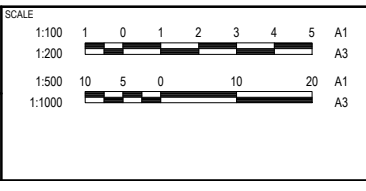
ENGINEER'S CERTIFICATION
Daniel Gibson
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RPEQ (SIGNATURE) RPEQ No. 23875 DATE: 01 August 2024

MAJOR CONNECTIONS CERTIFICATION
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For and on behalf of EGIS CONSULTING PTY LTD: ACR/AE2018-039

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REVISION	DATE	ISSUE DETAILS	DRAWN	DESIGN	DRAWN CHECK
2	09.09.22	SEWER MH23/20 RELOCATED, SWD BASIN RESHAPED	CH	CH	
3	20.01.23	FINAL SURFACE AND STORMWATER LAYOUT AMENDED	CH	HS	
4	31.01.23	BLOCK RETAINING WALL RELOCATED, CONCRETE SLEEPER WALL ADDED	EGC	CH	
5	23.03.23	ISSUED FOR CONSTRUCTION	CH	HS	
6	16.05.23	ISSUED FOR CONSTRUCTION	CH	HS	
7	07.08.23	ISSUED FOR CONSTRUCTION	CH	CH	
A	19.01.24	AS CONSTRUCTED	JM	CH	
B	01.08.24	AS CONSTRUCTED REVISED	RT	CH	

AS CONSTRUCTED
APPROVED: MARK WYER
RPEQ 16191
FOR & ON BEHALF OF EGIS CONSULTING PTY LTD



RIVERBANK ESTATE
VISETIN ROAD PATHWAY
DISCLAIMER: ALL DIMENSIONS TO BE CHECKED ON SITE BY CONTRACTOR PRIOR TO CONSTRUCTION. USE WRITTEN DIMENSIONS ONLY. DO NOT SCALE.

DRAWING TITLE		
SEWER RETICULATION LAYOUT PLAN		
PROJECT No.	DRAWING No.	REVISION
21-000058.1	501	B

MANHOLE/END NAME
MANHOLE TYPE
LID TYPE
JUNCTION LINE
DROP TYPE
DEPTH TO HC
HOUSE CONNECTION INVERT LEVEL
HC TYPE
HC No
CH. FROM D/S MH

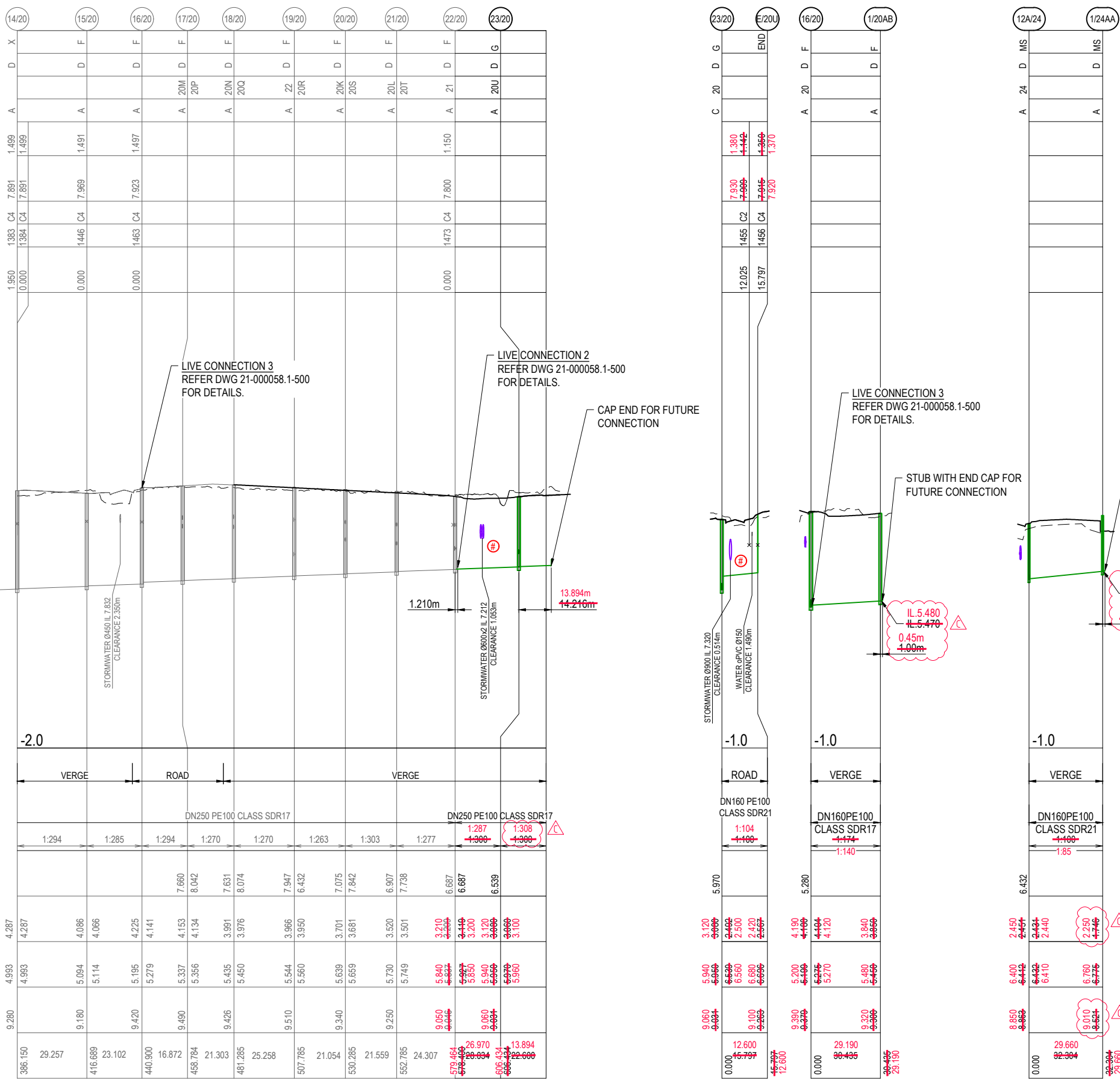
LEGEND

STRUCTURE TYPE	
G	900Ø CONCRETE LOCATED IN ROADS, FOOTPATHS OR S. DEPTH<3.00m
F	1200Ø CONCRETE LOCATED IN ROADS, FOOTPATH OR S. 3.00m<DEPTH<4.25m
XX	1500Ø CAST IN SITU WITH 100mm TOE REF-SEQ-SEW-1307-1 REF DETAIL 1 ON DRG 21-000078.2-511
MS	600Ø PE MAINTENANCE SHAFT LOCATED IN FOOTPATHS OR S 1.30m<DEPTH<5.0m
STRUCTURE COVER TYPE	
B	NON-TRAFFICABLE
D	TRAFFICABLE
D(BD)	TRAFFICABLE WITH BOLT DOWN
MAINTENANCE HOLE DROP TYPE	
A	FALL THROUGH MH
C	OBLIQUE 45° BACKDROP
D	EXTERNAL BACKDROP
MAINTENANCE SHAFT DROP TYPE	
MS-A	BULB CONNECTION (20mm/OBVERT)
MS-B	RISER CONNECTION (>=750mm)

EMBEDMENT NOTE:
EMBEDMENT TYPE TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION AND TO BE ADJUSTED IF REQUIRED TO SEQ-SEW-1201-1 & 1201-2

STREET ETC
DIAMETER
GRADE
JUNCTION INVERT LEVEL
DEPTH TO INVERT
INVERT LEVEL OF SEWER
DESIGN SURFACE LEVEL
RUNNING CHAINAGE

LINE



PROPERTY CONNECTION TABLE

TYPE A STANDARD & EXTENDED <0.300m			
A1			A2
A3			A4
TYPE B SLOPED CONNECTION 0.301m-1.00m			
B1			B2
B3			B4
TYPE C VERTICAL RISE >1.00m			
C1			C2
C3			C4

SEWER BRIDGING:
REFER DETAILS ON DRAWING 21-000058.1-511

ENGINEER'S CERTIFICATION
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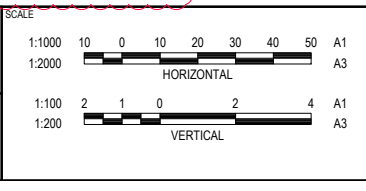
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1	13.05.22	ISSUED FOR APPROVAL	CHC	CR	
2	09.09.22	SEWER LINES 20, 20M, 20U AND 20AB AMENDED	CH	CH	
3	20.01.23	STORMWATER PIPE AMENDED	CH	HS	
4	23.03.23	ISSUED FOR CONSTRUCTION	CH	HS	DESIGN CHECK
5	07.08.23	ISSUED FOR CONSTRUCTION	CH	CH	
A	19.01.24	AS CONSTRUCTED	JM	CH	
B	02.05.24	LINE 24AA AMENDED	CH	CH	
C	05.07.24	AMENDED AS CONSTRUCTED	LH	CH	

AS CONSTRUCTED
APPROVED
MARK WYER
RPEQ 16191
FOR & ON BEHALF OF EGIS CONSULTING PTY LTD



CLIENT
PEET
CABOOLTURE SYNDICATE LTD

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www.egis-group.com

PROJECT
**RIVERBANK ESTATE
VISENTIN ROAD PATHWAY**

DRAWING TITLE SEWER RETICULATION LONGITUDINAL SECTIONS		
PROJECT No.	DRAWING No.	REVISION
21-000058.1	510	C

MANHOLE/END NAME
MANHOLE TYPE
LID TYPE
JUNCTION LINE
DROP TYPE
DEPTH TO HC
HOUSE CONNECTION INVERT LEVEL
HC TYPE
HC No
CH. FROM D/S MH

MANHOLE/END NAME	11/24	12/24	2A/24	13/24	14/24	E/24	14/24	E/24A	13/24	E/24B	
MANHOLE TYPE	A	A	MS	A	A	END	A	D	A	D	
LID TYPE	24D	24C	24AA	24B	24A	END	24	D	24	D	
JUNCTION LINE											
DROP TYPE											
DEPTH TO HC				1.470	1.480	1.480			1.380	1.320	
HOUSE CONNECTION INVERT LEVEL			7.630	7.630	7.670	7.800	8.010	7.630	7.630	7.870	
HC TYPE			C4	C4	C2	C4	B2	B2	B4	B4	
HC No			1458	1459	1460	1461	1444	1442	1443	1443	
CH. FROM D/S MH			30.300	0.000	11.015	23.004	14.085	15.618	12.011	15.782	
LINE	24						24A	24B			

LEGEND

STRUCTURE TYPE

G	900Ø CONCRETE LOCATED IN ROADS, FOOTPATHS OR S. DEPTH<3.00m
F	1200Ø CONCRETE LOCATED IN ROADS, FOOTPATH OR S. 3.00m<DEPTH<4.25m
XX	1500Ø CAST IN SITU WITH 100mm TOE REF-SEQ-SEW-1307-1 REF DETAIL 1 ON DRG 21-000078.2-511
MS	600Ø PE MAINTENANCE SHAFT LOCATED IN FOOTPATHS OR S 1.30m<DEPTH<5.0m

STRUCTURE COVER TYPE

B	NON-TRAFFICABLE
D	TRAFFICABLE
D(BD)	TRAFFICABLE WITH BOLT DOWN

MAINTENANCE HOLE DROP TYPE

A	FALL THROUGH MH
C	OBLIQUE 45° BACKDROP
D	EXTERNAL BACKDROP

MAINTENANCE SHAFT DROP TYPE

MS-A	BULB CONNECTION (20mm/OVERT)
MS-B	RISER CONNECTION (≥750mm)

EMBEDMENT NOTE:
 EMBEDMENT TYPE TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION AND TO BE ADJUSTED IF REQUIRED TO SEQ-SEW-1201-1 & 1201-2

STREET ETC
DIAMETER
GRADE
JUNCTION INVERT LEVEL
DEPTH TO INVERT
INVERT LEVEL OF SEWER
DESIGN SURFACE LEVEL
RUNNING CHAINAGE

MAJOR CONNECTIONS CERTIFICATION

I, _____ on _____, certify that:

- This plan has been assessed in accordance with requirements of the SEQ Code and Unitywater Standards;
- The construction of the works must only be undertaken in accordance with this drawing; and
- No design Amendments are permitted either before or during construction without the approval of Unitywater;
- During construction, where required, Variation Notifications must be submitted in accordance with A&C Manual

Major connections certifier _____

For and on behalf of EGIS CONSULTING PTY LTD: ACR/AE2018-039

ENGINEER'S CERTIFICATION

Daniel Gibson

I, _____, HERE BY CERTIFY THAT:

- THE INFORMATION CONTAINED IN THIS DRAWING / DOCUMENT IS IN COMPLIANCE WITH APPROVED DRAWINGS AND DESIGN.
- THE NEW WATER AND SEWERAGE WORKS DEFINED BY THIS DRAWING HAVE BEEN DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE SEQ CODE.
- THIS REPRESENTS AN ACCURATE RECORD OF AS-CONSTRUCTED WORKS.
- I ACCEPT RESPONSIBILITY FOR THE INFORMATION CONTAINED IN THIS DRAWING/DOCUMENT.

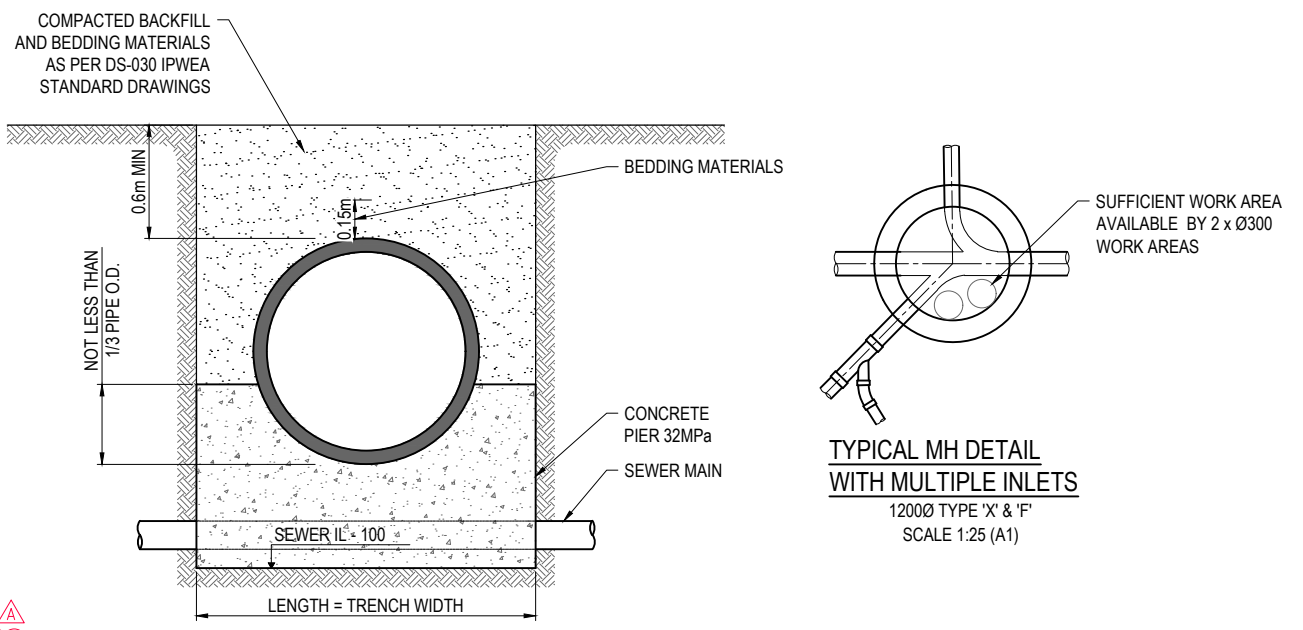
RPEQ (SIGNATURE) _____ RPEQ No. 23875 DATE: 05/07/2024

NOTE:
 WHERE A PNI IS REQUIRED ALL WORKS ON EXISTING SEWER MUST BE CARRIED OUT BY UNITYWATER PRIVATE WORKS AT THE DEVELOPER'S EXPENSE

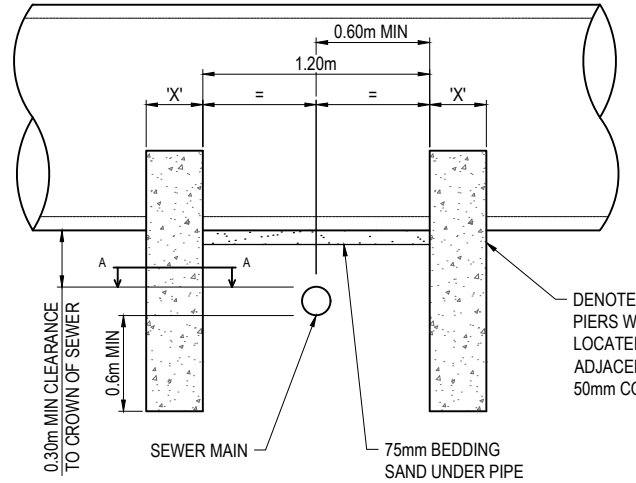
NOTE:
 RECOMMENDED FOUNDING MATERIALS: NATURAL VERY STIFF SILTY CLAY-CONTROLLED FILL

NOTE:
 FOUNDING MATERIALS TO BE VERIFIED ON-SITE BY CONTRACTOR. IF LESSER FOUNDING MATERIALS PREVAIL, CONTACT ENGINEER SPECIALLY DESIGNED DRILLED PIERS ARE TO BE CONSIDERED.

NOTE:
 STORMWATER DRAINS TO BE CONSTRUCTED SO THAT CENTRAL PART OF STORMWATER PIPE IS DIRECTLY OVER THE SEWER. JOINTS IN STORMWATER PIPE TO BE CLEAR OF SEWER.



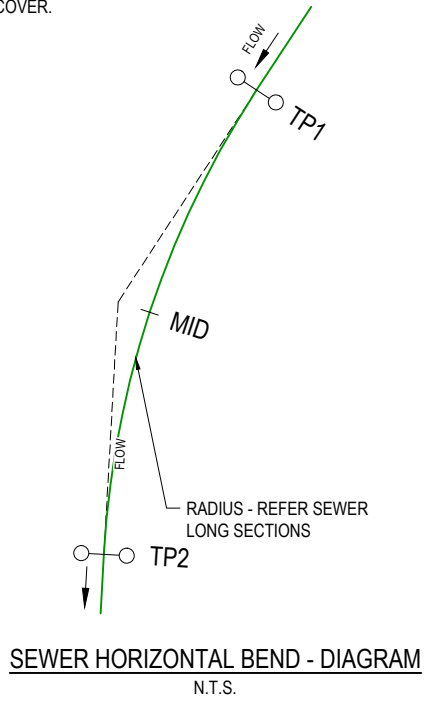
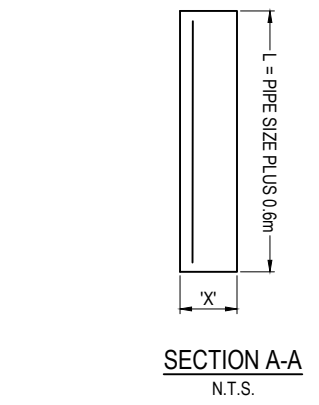
STORMWATER / SEWER BRIDGING DETAIL - SECTION
 SCALE 1:20 (A1)
 SCALE 1:40 (A3)



STORMWATER / SEWER BRIDGING DETAIL - ELEVATION
 SCALE 1:20 (A1)
 SCALE 1:40 (A3)

X = WIDTH OF CONCRETE PIERS (mm)

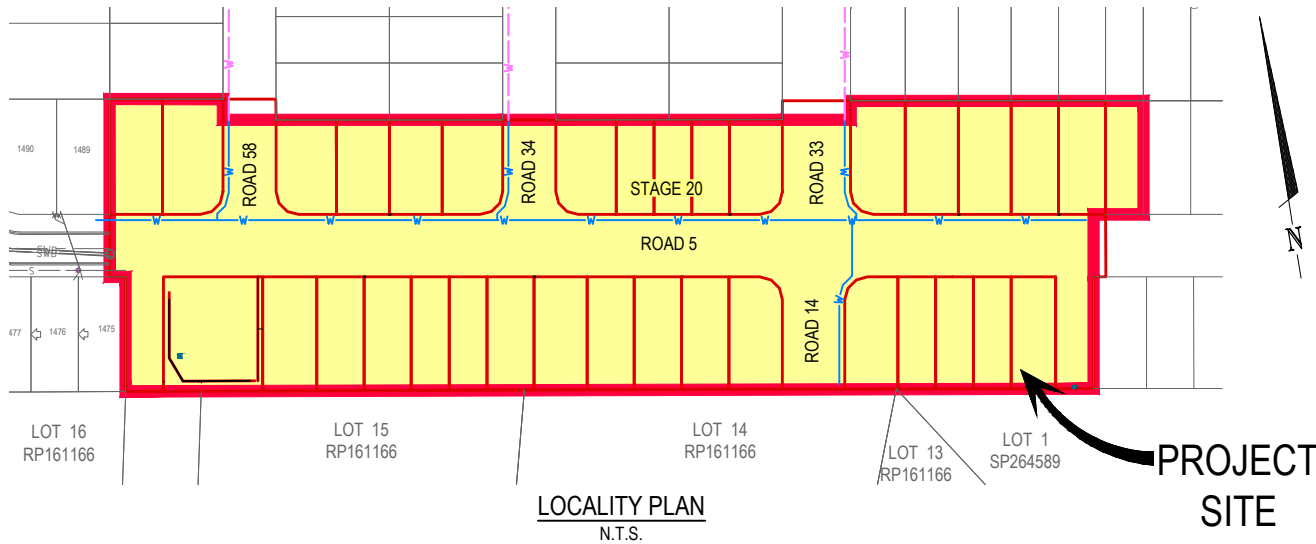
PIPE SIZE	FIRM/STIFF CLAY SAFE BEARING >150kPa	STIFF/VERY STIFF CLAY SAFE BEARING >200kPa
600Ø - 1050Ø	450	350
1200Ø - 2100Ø	600	450



SEWER HORIZONTAL BEND - DIAGRAM
 N.T.S.

* The original issue or last amendment of this drawing contained the original signature.

<table border="1"> <tr><th>REVISION</th><th>DATE</th><th>ISSUE DETAILS</th><th>DRAWN</th><th>DESIGN</th></tr> <tr><td>1</td><td>13.05.22</td><td>ISSUED FOR APPROVAL</td><td>CR</td><td>CR</td></tr> <tr><td>2</td><td>21.10.22</td><td>STAMP AMENDED</td><td>CH</td><td>CH</td></tr> <tr><td>3</td><td>23.03.23</td><td>ISSUED FOR CONSTRUCTION</td><td>CH</td><td>HS</td></tr> <tr><td>4</td><td>07.08.23</td><td>ISSUED FOR CONSTRUCTION</td><td>CH</td><td>CH</td></tr> <tr><td>A</td><td>05.07.24</td><td>AS CONSTRUCTED</td><td>JM</td><td>CH</td></tr> </table>	REVISION	DATE	ISSUE DETAILS	DRAWN	DESIGN	1	13.05.22	ISSUED FOR APPROVAL	CR	CR	2	21.10.22	STAMP AMENDED	CH	CH	3	23.03.23	ISSUED FOR CONSTRUCTION	CH	HS	4	07.08.23	ISSUED FOR CONSTRUCTION	CH	CH	A	05.07.24	AS CONSTRUCTED	JM	CH	<p>AS CONSTRUCTED</p> <p>APPROVED: MARK WYER RPEQ 16191</p> <p>FOR AND ON BEHALF OF EGIS CONSULTING PTY LTD</p>	<p>SCALE</p> <p>1:1000 10 0 10 20 30 40 50 A1</p> <p>1:2000 HORIZONTAL A3</p> <p>1:100 2 1 0 2 4 A1</p> <p>1:200 VERTICAL A3</p>	<p>CLIENT</p> <p>PEET</p> <p>CABOOLTURE SYNDICATE LTD</p>	<p>PROJECT</p> <p>egis</p> <p>© 2023 Egis Consulting Pty Ltd www.egis-group.com</p>	<p>PROJECT</p> <p>RIVERBANK ESTATE VISENTIN ROAD PATHWAY</p> <p>DISCLAIMER ALL DIMENSIONS TO BE CHECKED ON SITE BY CONTRACTOR PRIOR TO CONSTRUCTION. USE WRITTEN DIMENSIONS ONLY. DO NOT SCALE.</p>	<p>DRAWING TITLE</p> <p>SEWER RETICULATION DETAILS</p> <p>PROJECT No. 21-000058.1</p> <p>DRAWING No. 511</p> <p>REVISION A</p>
REVISION	DATE	ISSUE DETAILS	DRAWN	DESIGN																																
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MAJOR CONNECTIONS CERTIFICATION

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Major connections certifier _____

For and on behalf of EGIS CONSULTING PTY LTD: ACR/AE2018-039

WATER RETICULATION NOTES

- ALL DESIGN OF WATER SUPPLY NETWORK WORKS ~~SHALL BE WERE~~ IN ACCORDANCE WITH THE WATER SUPPLY CODE OF AUSTRALIA, SOUTH EAST QUEENSLAND SERVICE PROVIDERS EDITION VERSION 1.3 (AUGUST 2019), PART 1: PLANNING AND DESIGN AND PART 3: DRAWINGS.
- UNLESS SPECIFIED OTHERWISE, ALL WORK AND MATERIALS ~~SHALL COMPLY COMPLIED~~ WITH THE RELEVANT AUSTRALIAN STANDARDS.
- ~~ADOPT~~ ADOPTED LIP OF KERB AS PERMANENT LEVEL.
- COVER ON MAINS FROM PERMANENT LEVEL ~~TO BE WERE~~ AS SHOWN IN STANDARD DRAWING SEQ-WAT-1200-2.
- CONDUITS ~~TO BE WERE~~ INSTALLED IN ACCORDANCE WITH THE STANDARD DRAWINGS IN SEQ-SP's.
- A WATER METER SUPPLIED AT DEVELOPER'S COST, ~~IS TO BE WAS~~ INSTALLED AT THE SERVICE POINT OF EACH LOT IN ACCORDANCE WITH THE STANDARD DRAWINGS IN SEQ-SP's.
- ALL PRODUCTS AND MATERIALS USED IN CONSTRUCTION OF WATER SUPPLY NETWORK WORKS ~~SHALL BE WERE~~ IN ACCORDANCE WITH THE SOUTH EAST QUEENSLAND CODE ACCEPTED CIVIL INFRASTRUCTURE PRODUCTS AND MATERIAL LIST, AND THE MOST RECENT VERSION OF THE LIST IN EFFECT AT THE DATE OF THE CONSTRUCTION PRE-START MEETING.
- ALL CONCRETE FOOTPATHS ~~TO BE WERE~~ CLEAR OF WATER MAINS, WHERE POSSIBLE.
- THE CONSTRUCTION OF THE WATER SUPPLY RETICULATION WORK SHOWN ON THIS DRAWING ~~MUST HAVE HAD~~ CONTRACT ADMINISTRATION UNDERTAKEN BY AN ENGINEER WHO HAS RPEQ REGISTRATION. WORK NOT COMPLYING WITH THIS REQUIREMENT ~~WILL NOT BE WAS NOT~~ PERMITTED TO CONNECT TO THE RETICULATION SYSTEM.
- WHERE WATER MAINS CROSS A ROAD, WATER MAIN DEPTH OR PIPE CLASS ~~TO BE WAS~~ ADJUSTED TO CONSIDER CONSTRUCTION LOADINGS. WATER MAINS ~~ARE NOT TO BE WERE NOT~~ LAID WITHIN ROAD PAVEMENT.
- WATER MAINS ~~ARE TO BE WERE~~ LAID ON A 1.50m ALIGNMENT FROM PROPERTY BOUNDARY UNLESS NOTED OTHERWISE.
- ALL CONSTRUCTION OF WATER SUPPLY NETWORK WORKS ~~SHALL BE WAS~~ IN ACCORDANCE WITH THE WATER SUPPLY CODE OF AUSTRALIA, SOUTH EAST QUEENSLAND SERVICE PROVIDERS EDITION VERSION 1.3 (AUGUST 2019), PART 2: CONSTRUCTION AND PART 3: DRAWINGS.
- CONSTRUCTION WORKS ~~SHALL BE WERE~~ SUPERVISED BY AN ENGINEER WHO HAS RPEQ REGISTRATION. WORKS NOT COMPLYING WITH THIS REQUIREMENT ~~WILL NOT BE WERE NOT~~ PERMITTED TO CONNECT INTO UNITYWATER'S WATER SUPPLY NETWORK.
- ALL LIVE WORKS ASSOCIATED WITH THE WATER SUPPLY NETWORK ~~SHALL BE WERE~~ CARRIED OUT AT THE DEVELOPER'S COST BY QUOTATION REQUEST TO UNITYWATER PRIVATE WORKS ONLY.
- THE CONSTRUCTOR ~~SHALL VERIFY VERIFIED~~ THE LOCATION AND DEPTH OF EXISTING SERVICES WITH RELEVANT ASSET OWNERS AND AUTHORITIES BEFORE COMMENCING WORKS.
- PRIOR TO COMMENCEMENT OF ANY VARIATION WORKS, THE CONSTRUCTOR ~~MUST FIRST OBTAIN OBTAINED~~ APPROVAL FROM THE REGISTERED MAJOR CONNECTIONS CERTIFIER.

ENVIRONMENTAL MANAGEMENT APPROVAL NOTES

- VEGETATION PROTECTION**
- TREES LOCATED ALONG FOOTPATH ~~SHOULD BE WERE~~, WHERE POSSIBLE, TRANSPLANTED PRIOR TO CONSTRUCTION, OR REPLACED IF DESTROYED.
 - WHEN WORKING WITHIN 4m OF TREES, RUBBER OR HARDWOOD GIRDLES SHOULD BE ~~WERE~~ CONSTRUCTED WITH 1.8m BATTENS CLOSELY SPACED AND ARRANGED VERTICALLY FROM GROUND LEVEL. GIRDLES ~~MUST BE WERE~~ STRAPPED TO TREES PRIOR TO CONSTRUCTION AND ~~REMAIN REMAINED~~ TO COMPLETION.
 - WHERE POSSIBLE, TREE ROOTS ~~SHOULD BE WERE~~ TUNNELLED UNDER, RATHER THAN SEVERED. IF ROOTS ARE SEVERED, THE DAMAGED AREA ~~SHOULD BE WAS~~ TREATED WITH A SUITABLE FUNGICIDE. CONTACT COUNCIL ARBORIST FOR FURTHER ADVICE.
 - ANY TREE LOPPING REQUIRED ~~SHOULD BE WAS~~ UNDERTAKEN BY AN APPROVED ARBORIST.
- SOIL**
- TOPSOIL AND SUBSOIL ~~SHOULD BE WERE~~ STOCKPILED SEPARATELY.
 - CARE ~~SHOULD BE WAS~~ TAKEN TO PREVENT SEDIMENT FROM ENTERING THE STORMWATER SYSTEM. THIS MAY INVOLVE PLACING APPROPRIATE SEDIMENT CONTROLS AROUND STOCKPILES.
- CREEK CROSSINGS**
- SILTATION CONTROL MEASURES ~~SHOULD BE WERE~~ PLACED DOWNSTREAM OF ANY EXCAVATION WORKS.
 - APPROPRIATE SEDIMENT CONTROLS ~~SHOULD BE WERE~~ USED TO PREVENT SEDIMENT FROM ENTERING THE CREEK.
 - NO SOIL ~~SHOULD BE WAS~~ STOCKPILED WITHIN 5m OF THE CREEK.
- REHABILITATION**
- PREDISTURBANCE SOIL PROFILES AND COMPACTION LEVELS ~~ARE TO BE WERE~~ REINSTATED.
 - PREDISTURBANCE VEGETATION PATTERNS ~~SHOULD BE WERE~~ RESTORED.

ENGINEER'S CERTIFICATION
Daniel Gibson

I, _____, HERE BY CERTIFY THAT:

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- I ACCEPT RESPONSIBILITY FOR THE INFORMATION CONTAINED IN THIS DRAWING/DOCUMENT.

RPEQ (SIGNATURE) _____ RPEQ No. 23875 DATE: 05/07/2024

ALL CONSTRUCTION WORK UNDERTAKEN BY THE CONTRACTOR ~~SHALL COMPLY COMPLIED~~ WITH ALL APPLICABLE WORKPLACE HEALTH AND SAFETY LEGISLATION.

ALL ENVIRONMENTAL PROTECTION MEASURES ~~SHALL BE WERE~~ IMPLEMENTED PRIOR TO ANY CONSTRUCTION WORK, INCLUDING CLEARING COMMENCING.

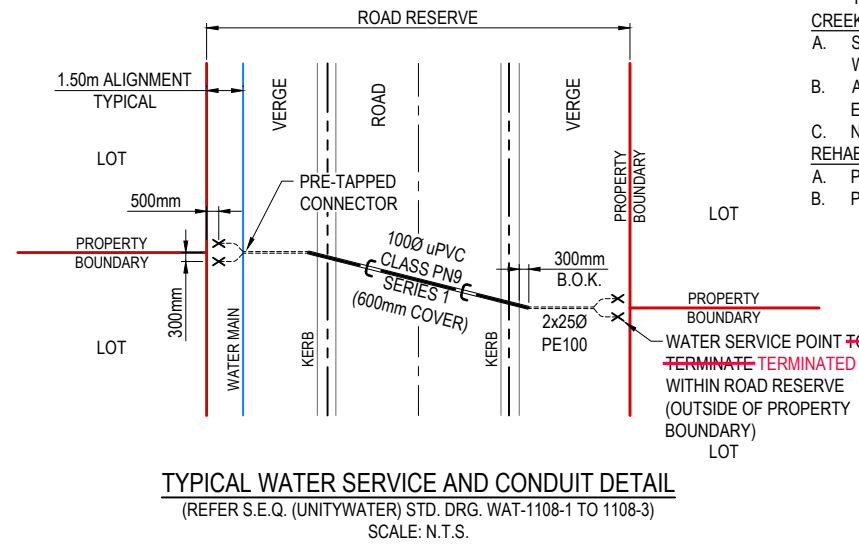
NOTE:
NOTWITHSTANDING THAT EXISTING SERVICES MAY OR MAY NOT BE SHOWN ON THE JOB DRAWINGS, NO RESPONSIBILITY ~~IS WAS~~ TAKEN BY THE SUPERINTENDENT OR THE PRINCIPAL FOR THIS INFORMATION WHICH HAS BEEN SUPPLIED BY OTHERS. THE DETAILS ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR ~~SHALL ASCERTAIN ASCERTAINED~~ THE POSITION OF ANY UNDERGROUND SERVICES IN THIS AREA AND ~~SHALL BE WAS~~ RESPONSIBLE FOR MAKING GOOD ANY DAMAGE THERETO.

CAUTION !!
UNDERGROUND ELECTRICAL CABLES
UNDERGROUND ELECTRICITY CABLES EXIST IN THIS VICINITY. CONTACT ENERGEX FOR CABLE LOCATIONS. EXTREME CARE MUST BE TAKEN WHILST EXCAVATING

CAUTION !!
UNDERGROUND TELECOMMS CABLES
UNDERGROUND TELECOMMUNICATION CABLES EXIST IN THIS VICINITY. CONTACT SUPPLIER FOR CABLE LOCATIONS. EXTREME CARE MUST BE TAKEN WHILST EXCAVATING.

- ABBREVIATIONS**
- AC - ASBESTOS CEMENT
 - CICL - CAST IRON CEMENT LINED
 - CISL - CAST IRON SPUN LINED
 - CR - CONCRETE REINFORCED
 - CTS - CUT TO SUIT
 - CUR - CONCRETE UN-REINFORCED
 - DI - DUCTILE IRON
 - DICL - DUCTILE IRON CEMENT LINED
 - DN - DIAMETER NOMINAL
 - EW - EARTHENWARE
 - FH - FIRE HYDRANT
 - HC - HOUSE CONNECTION
 - HP - HIGH POINT
 - JD - JOINT DEFLECTION
 - LP - LOW POINT
 - MH - MAINTENANCE HOLE
 - MS - MAINTENANCE SHAFT
 - mPVC - MODIFIED POLY VINYL CHLORIDE
 - MSBW - MILD STEEL BUTT WELD
 - MSCL - MILD STEEL CEMENT LINED
 - PE - POLYETHYLENE
 - PMT - PADMOUNT TRANSFORMER (ELECTRICAL SITE)
 - RTS - ROTATE TO SUIT
 - SC - STOP COCK/WATER METER
 - TEP - TERMINAL ENTRY POINT
 - oPVC - ORIENTED POLY VINYL CHLORIDE
 - UW - UNITYWATER
 - VC - VITRIFIED CLAY

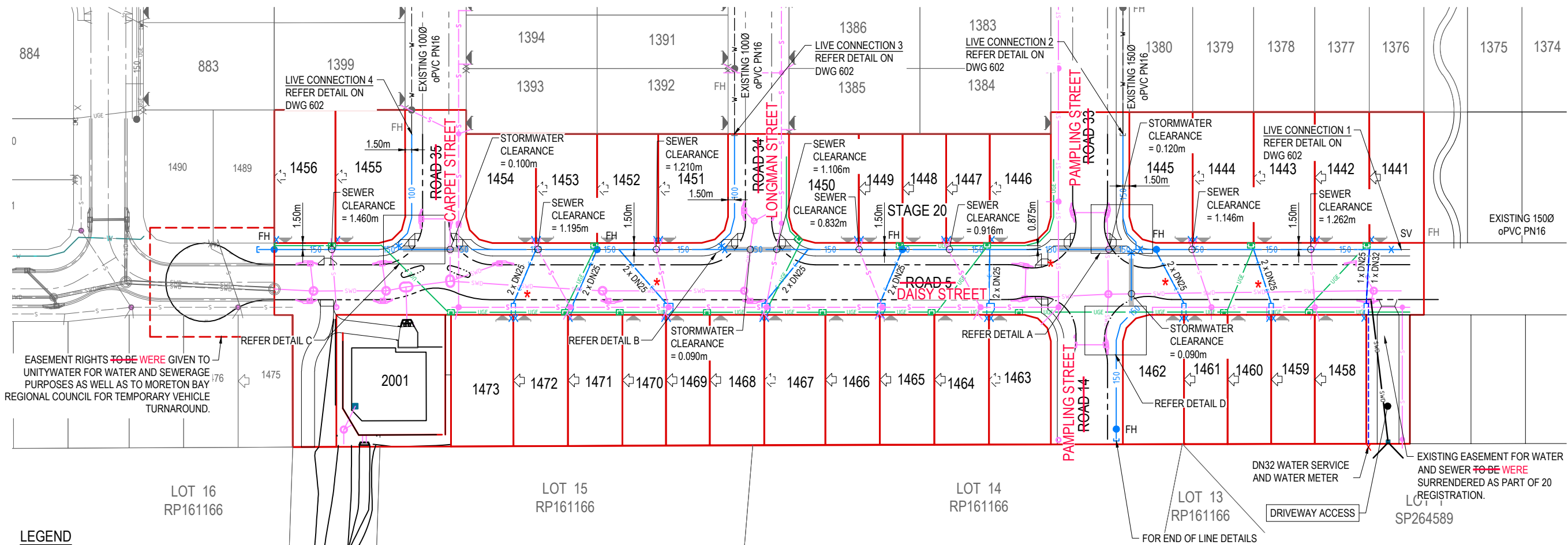
NOTE:
WHERE A PNI IS REQUIRED, ALL WORKS ON EXISTING WATER MAINS ~~TO BE WERE~~ CARRIED OUT BY UNITYWATER PRIVATE WORKS AT DEVELOPER'S EXPENSE.



EGIS CONSULTING PTY LTD
CONTACT
OLIVER HARTIGAN
TELEPHONE
(07) 3895 3444

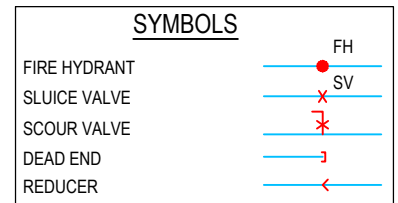
* The original issue or last amendment of this drawing contained the original signature.

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REVISION	DATE	ISSUE DETAILS	DRAWN	DESIGN	DRAWN CHECK	STATUS																																	
1	13.05.22	ISSUED FOR APPROVAL	CHC	CR		AS CONSTRUCTED																																	
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A	05.07.24	AS CONSTRUCTED	JM	CH	DESIGN CHECK	APPROVED																																	



LEGEND

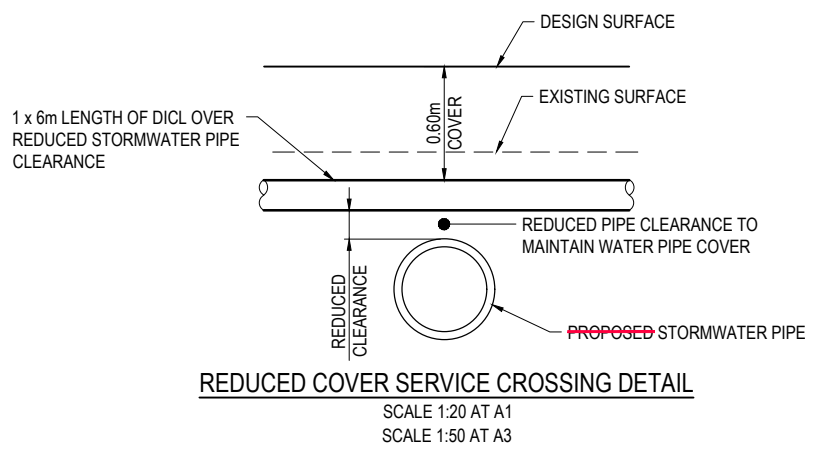
- 1500 oPVC PN16 — PROPOSED 1500 WATER RETICULATION
- 1000 oPVC PN16 — PROPOSED 1000 WATER RETICULATION
- w — w — EXISTING WATER RETICULATION
- SWD — SWD — PROPOSED STORMWATER DRAINAGE
- SWD — SWD — EXISTING STORMWATER DRAINAGE
- S — S — EXISTING SEWER RETICULATION
- ST — ST — EXISTING TRUNK SEWERAGE RETICULATION
- S — S — PROPOSED SEWERAGE RETICULATION
- ST — ST — PROPOSED SEWERAGE RETICULATION
- UGE — UGE — PROPOSED ENERGEX LINE UNDERGROUND
- HP PROPOSED ELECTRICAL PIT
- LP PROPOSED WATER CONDUIT (1000 uPVC CLASS PN9)
- 150 DICL ROAD CROSSING (CLASS PN35)
- x WATER SERVICE POINT (METER)
- x EXISTING WATER SERVICE POINT (METER)
- ◇ ZERO LOT BOUNDARY
- HP HIGH POINT
- LP LOW POINT
- INDICATIVE DRIVEWAY LOCATION



NOTE:
ALL UGE ~~TO BE~~ CARRIED UNDER WATER MAIN WITH MINIMUM 500mm VERTICAL CLEARANCE

NOTE:
ALL WATER CONDUITS ~~TO BE~~ CARRIED OVER STORMWATER PIPES WITH MINIMUM 300mm VERTICAL CLEARANCE

NOTE:
• ALL WORKS ON EXISTING WATER MAINS ~~TO BE~~ CARRIED OUT BY UNITYWATER PRIVATE WORKS AT DEVELOPER'S EXPENSE.
• REFER STD DRG SEQ-WAT-1205-1 AND SEQ-WAT-1206-1 FOR TYPICAL THRUST BLOCK DETAIL.
• REFER TO DRG 21-000058.1-600 FOR GENERAL NOTES.



ENGINEER'S CERTIFICATION
Daniel Gibson
I, Daniel Gibson, HERE BY CERTIFY THAT:
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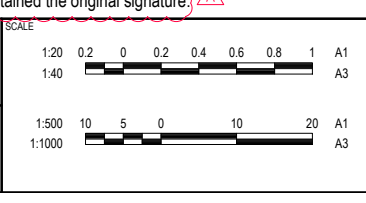
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4. During construction, where required, Variation Notifications must be submitted in accordance with A&C Manual
Major connections certifier _____
For and on behalf of EGIS CONSULTING PTY LTD: ACR/AE2018-039

CAUTION !! UNDERGROUND ELECTRICAL CABLES
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REVISION	DATE	ISSUE DETAILS	DRAWN	DESIGN	DRAWN CHECK
1	13.05.22	ISSUED FOR APPROVAL	CHC	CR	
2	09.09.22	BASIN SHAPE AND STAMP AMENDED. NOTE ADDED	CH	CH	
3	20.01.23	STORMWATER LAYOUT AMENDED	CH	HS	
4	23.03.23	ISSUED FOR CONSTRUCTION	CH	HS	DESIGN CHECK
5	16.05.23	ISSUED FOR CONSTRUCTION	CH	HS	
6	07.08.23	ISSUED FOR CONSTRUCTION	CH	CH	
A	05.07.24	AS CONSTRUCTED	JM	CH	

AS CONSTRUCTED
APPROVED MARK WYER RPEQ 16191
FOR & ON BEHALF OF EGIS CONSULTING PTY LTD

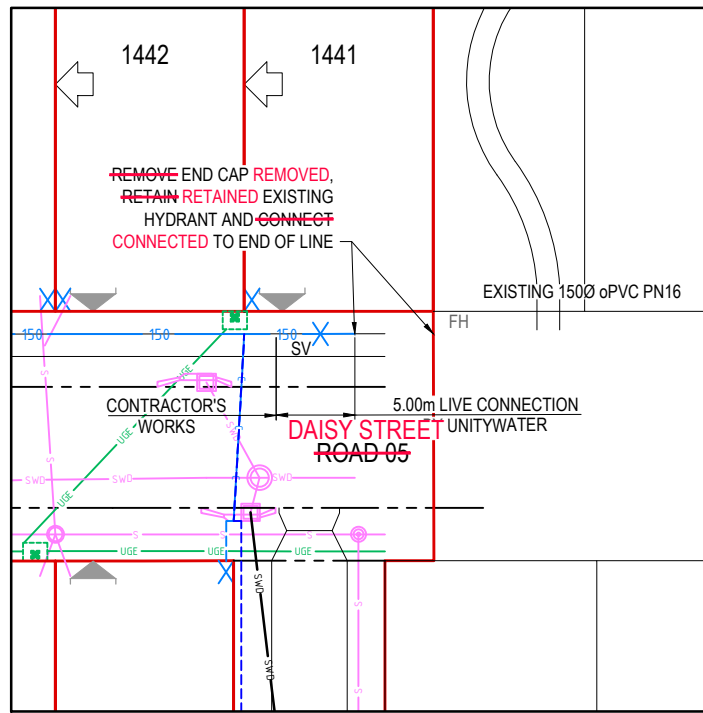


PEET
CABOOLTURE SYNDICATE LTD

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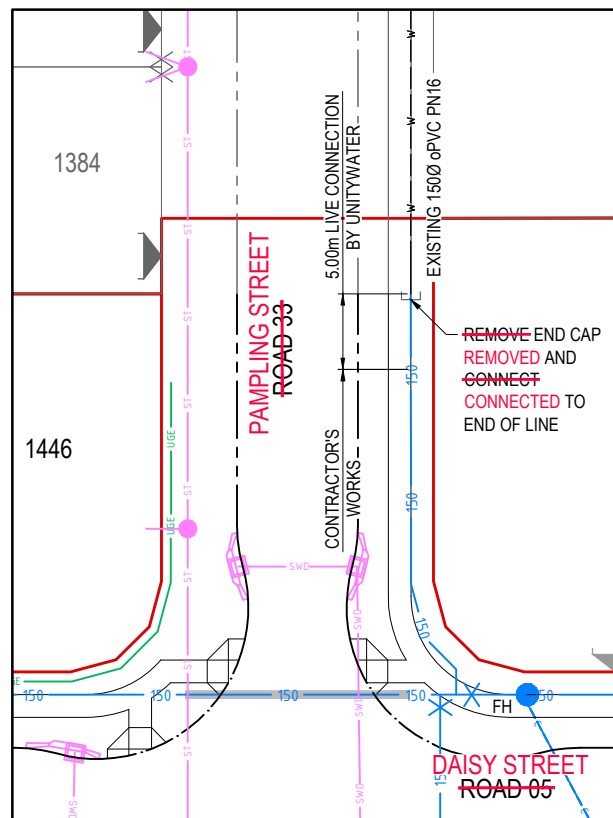
RIVERBANK ESTATE
VISENTIN ROAD PATHWAY

WATER RETICULATION LAYOUT PLAN
PROJECT No. 21-000058.1
DRAWING No. 601
REVISION A



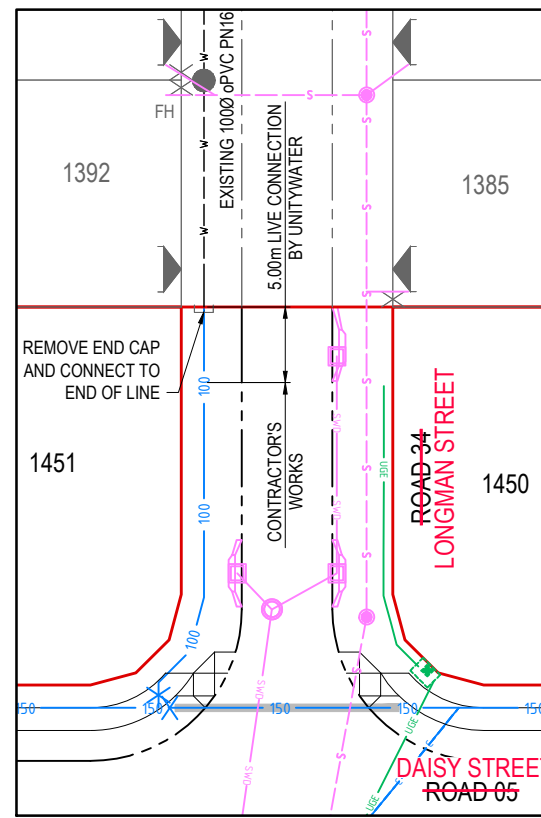
LIVE CONNECTION 1 DETAIL

SCALE 1:250 AT A1
SCALE 1:500 AT A3



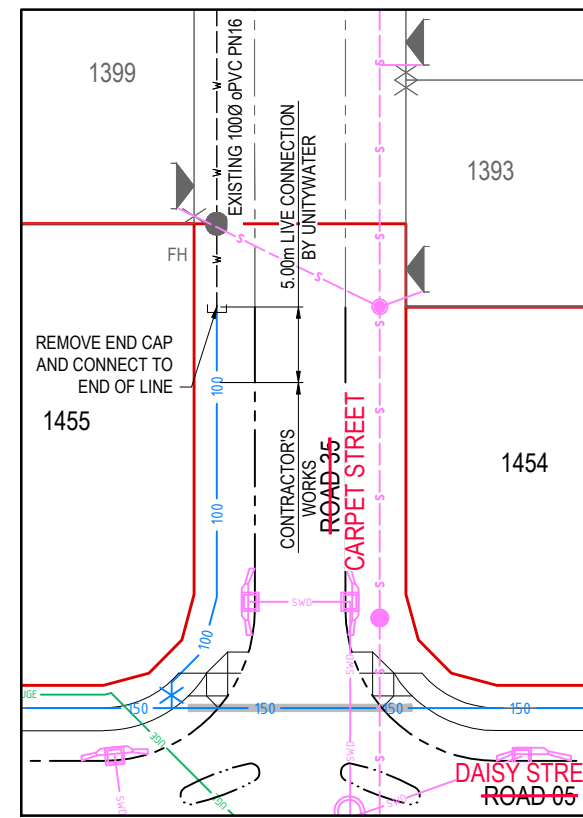
LIVE CONNECTION 2 DETAIL

SCALE 1:250 AT A1
SCALE 1:500 AT A3



LIVE CONNECTION 3 DETAIL

SCALE 1:250 AT A1
SCALE 1:500 AT A3



LIVE CONNECTION 4 DETAIL

SCALE 1:250 AT A1
SCALE 1:500 AT A3

SYMBOLS

FIRE HYDRANT	FH
SLUIICE VALVE	SV
SCOUR VALVE	SV
DEAD END	J
REDUCER	<

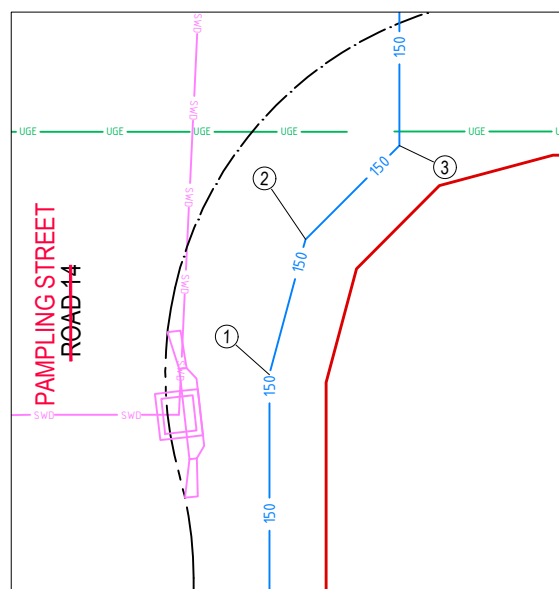
NOTE
REFER TO DRG 21-000058.1-600 FOR GENERAL NOTES.

NOTE
REFER STD DRG SEQ-WAT-1205-1 AND SEQ-WAT-1206-1 FOR TYPICAL THRUST BLOCK DETAIL

NOTE:
ALL WORKS ON EXISTING WATER MAINS TO BE WERE CARRIED OUT BY UNITYWATER PRIVATE WORKS AT DEVELOPER'S EXPENSE.

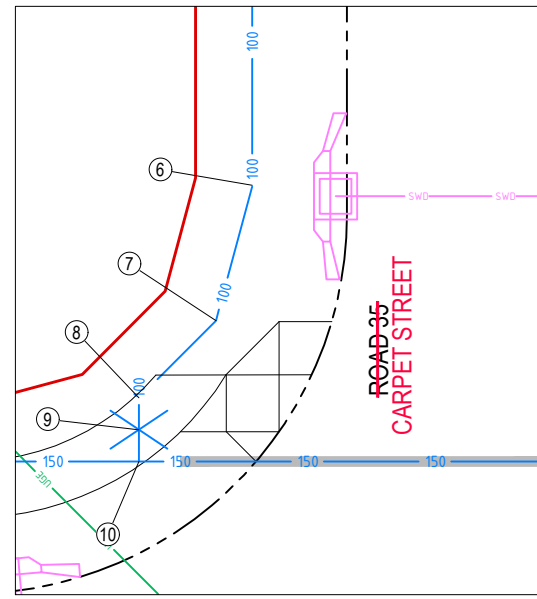
NOTE:
ALL UGE TO CROSS CROSSED UNDER WATER MAIN WITH MINIMUM 500mm VERTICAL CLEARANCE

*** NOTE:**
ALL WATER CONDUITS TO CROSS CROSSED OVER STOMWATER PIPES WITH MINIMUM 300mm VERTICAL CLEARANCE



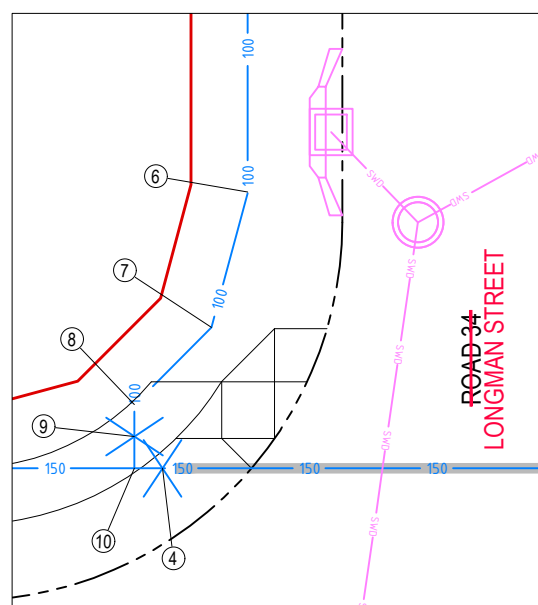
DETAIL D

SCALE 1:100 AT A1
SCALE 1:200 AT A3



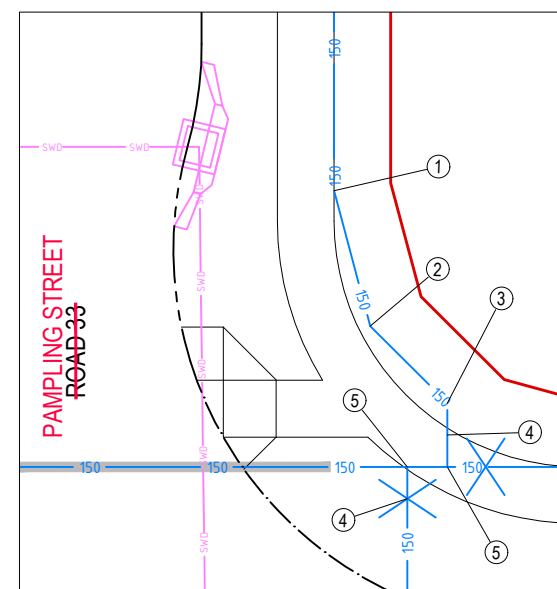
DETAIL C

SCALE 1:100 AT A1
SCALE 1:200 AT A3



DETAIL B

SCALE 1:100 AT A1
SCALE 1:200 AT A3



DETAIL A

SCALE 1:100 AT A1
SCALE 1:200 AT A3

WATER FITTINGS TABLE

ITEM No.	DESCRIPTION
1	1500 x 11.25° BEND AND THRUST BLOCK
2	1500 x 11.25° + 22.5° BEND AND THRUST BLOCK
3	1500 x 45° BEND AND THRUST BLOCK
4	1500 SLUIICE VALVE
5	1500 x 1500 TEE AND THRUST BLOCK
6	1000 x 11.25° BEND AND THRUST BLOCK
7	1000 x 45° BEND AND THRUST BLOCK
8	1000 x 11.25° + 22.5° BENDS AND THRUST BLOCK
9	1000 SLUIICE VALVE
10	1500 x 1000 TEE AND THRUST BLOCK

* The original issue or last amendment of this drawing contained the original signature.

ENGINEER'S CERTIFICATION
Daniel Gibson
I, Daniel Gibson, HERE BY CERTIFY THAT:
1. THE INFORMATION CONTAINED IN THIS DRAWING / DOCUMENT IS IN COMPLIANCE WITH APPROVED DRAWINGS AND DESIGN.
2. THE NEW WATER AND SEWERAGE WORKS DEFINED BY THIS DRAWING HAVE BEEN DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE SEQ CODE.
3. THIS REPRESENTS AN ACCURATE RECORD OF AS-CONSTRUCTED WORKS.
4. I ACCEPT RESPONSIBILITY FOR THE INFORMATION CONTAINED IN THIS DRAWING/DOCUMENT.
RPEQ (SIGNATURE) RPEQ No. 23875 DATE: 05/07/2024

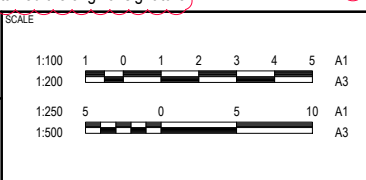
MAJOR CONNECTIONS CERTIFICATION
I, Daniel Gibson, on 05/07/2024, certify that:
1. This plan has been assessed in accordance with requirements of the SEQ Code and Unitywater Standards;
2. The construction of the works must only be undertaken in accordance with this drawing; and
3. No design Amendments are permitted either before or during construction without the approval of Unitywater;
4. During construction, where required, Variation Notifications must be submitted in accordance with A&C Manual
Major connections certifier: Daniel Gibson
For and on behalf of EGIS CONSULTING PTY LTD: ACR/AE2018-039

CAUTION !! UNDERGROUND ELECTRICAL CABLES
UNDERGROUND ELECTRICITY CABLES EXIST IN THIS VICINITY. CONTACT ENERGEX FOR CABLE LOCATIONS. EXTREME CARE MUST BE TAKEN WHILST EXCAVATING

CAUTION !! UNDERGROUND TELECOMMS CABLES
UNDERGROUND TELECOMMUNICATION CABLES EXIST IN THIS VICINITY. CONTACT SUPPLIER FOR CABLE LOCATIONS. EXTREME CARE MUST BE TAKEN WHILST EXCAVATING.

REVISION	DATE	ISSUE DETAILS	DRAWN	DESIGN	DRAWN CHECK
1	13.05.22	ISSUED FOR APPROVAL	CHC	CR	
2	21.10.22	STAMP AMENDED AND VALVE RELOCATED	CH	CH	
3	23.03.23	ISSUED FOR CONSTRUCTION	CH	HS	
A	05.07.24	AS CONSTRUCTED	JM	CH	

AS CONSTRUCTED
APPROVED MARK WYER RPEQ 16191
FOR & ON BEHALF OF EGIS CONSULTING PTY LTD



CLIENT
PEET
CABOOLTURE SYNDICATE LTD

egis
© 2023 Egis Consulting Pty Ltd
www.egis-group.com

PROJECT
RIVERBANK ESTATE VISENTIN ROAD PATHWAY

DRAWING TITLE
WATER RETICULATION LIVE CONNECTIONS AND DETAILS
PROJECT No. 21-000058.1
DRAWING No. 602
REVISION A

PSM 191027
 E: 495937.616
 N: 7003052.339
 RL: 8.767m



UNITYWATER PROJECT NUMBER 2018012713S16

MARKET DRIVE, CABOOLTURE SOUTH

DN250/DN150 SEWER/WATER MAIN



DRAWING INDEX	
DRAWING NUMBER	DESCRIPTION
U-2023-4789 Sheet 1	LOCALITY PLAN AND DRAWING INDEX
U-2023-4789 Sheet 2	SEWER RETICULATION
U-2023-4789 Sheet 3	SEWER RETICULATION
U-2023-4789 Sheet 4	WATER RETICULATION
U-2023-4789 Sheet 5	WATER RETICULATION

COORDINATE DATUM NOTE:
 HORIZONTAL COORDINATES(E,N) SUPPLIED ARE MAPPING GRID OF AUSTRALIA(MGA), ZONE 56 BASED ON THE UNIVERSAL TRANSVERSE MERCATOR PROJECTION AND THE GEOCENTRIC DATUM OF AUSTRALIA 1994.

ENGINEER'S CERTIFICATION

Daniel Gibson

I, Daniel Gibson, hereby certify that:

- The information contained in this drawing / document is in compliance with approved drawings and design.
- The new water and sewerage works defined by this drawing have been designed and constructed in accordance with the SEQ Code.
- This represents an accurate record of as-constructed works
- I accept responsibility for the information contained in this drawing / document.

Date: 05/07/2024

REGISTERED SURVEYOR'S CERTIFICATION

I, ANDREW ROBERT THURSTON, hereby certify that the vertical and horizontal locations and dimensions shown on this plan are a true and correct record and were located by survey.

Date: 05.07.2024

AS CONSTRUCTED

A1	D	05.07.2024	AS CONSTRUCTED - SEWER CLASS UPDATED	JC	AD	AT
	C	14.06.2024	AS CONSTRUCTED - SEWER MH 1/24AA SURFACE LEVEL UPDATED	JC	AD	AT
	B	15.03.2024	AS CONSTRUCTED - SEWER LOT 1473 HOUSE CONNECTION UPDATED	JC	AD	AT
	A	01.02.2024	AS CONSTRUCTED	JC	AD	AT
	INDEX	DATE	REVISIONS	DRAWN	CHECKED	PASSED

WOLTER
consulting group

Planning Urban Design Landscape Environment Surveying

Brisbane: Level 2, 1 Breakfast Ck Road, Newstead, QLD 4006 Phone: (07) 3466 5200

Unitywater

2018012713S16
 RIVERBANK STAGE 20
 WATERSIDE ESPLANADE
 COVER SHEET

SHEET 1 OF 5 SHEETS	SCALE 1:250
REVISION DATE 05.07.2024	REVISION D
DISCIPLINE CODE C	
DRAWING NO. U-2023-4789	

PSM 191027
E: 495937.616 883
N: 7003052.339 SP308275
RL: 8.767m

1399
SP317233

1393
SP317233

1392
SP317233

1385
SP317233

1384
SP317233

EMT HY
SP328488

CARPET ST

LONGMAN ST

PAMPLING ST

NOTE:

- ALL SEWER MAINS DN160 PE100 CLASS SDR21 U.N.O.
- ALL SEWER HOUSE CONNECTIONS 110PE CLASS SDR21 U.N.O.
- ALL MAINTENANCE HOLES (MH) 900Ø CONCRETE INSITU U.N.O.

LEGEND:

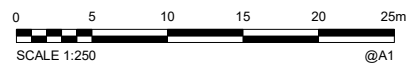
- SEWER MAIN NON PRESSURE
- - - EXISTING SEWER MAIN
- HOUSE CONNECTION
- SEWER MAINTENANCE HOLE
- SEWER END OF LINE



ENGINEER'S CERTIFICATION
Daniel Gibson
I, Daniel Gibson, hereby certify that:
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4. I accept responsibility for the information contained in this drawing / document.
RPEQ (signature) RPEQ No. 23875 Date: 05/07/2024

REGISTERED SURVEYOR'S CERTIFICATION
I, ANDREW ROBERT THURSTON, hereby certify that the vertical and horizontal locations and dimensions shown on this plan are a true and correct record and were located by survey.
Registered Surveyor (sig) Reg. Surveyor No. 03047 Date: 05/07/2024

COORDINATE DATUM NOTE:
HORIZONTAL COORDINATES(E,N) SUPPLIED ARE MAPPING GRID OF AUSTRALIA(MGA), ZONE 56 BASED ON THE UNIVERSAL TRANSVERSE MERCATOR PROJECTION AND THE GEOCENTRIC DATUM OF AUSTRALIA 1994.



AS CONSTRUCTED

A1	D	05.07.2024	AS CONSTRUCTED - SEWER CLASS UPDATED	JC	AD	AT			
	C	14.06.2024	AS CONSTRUCTED - SEWER MH 1/24AA SURFACE LEVEL UPDATED	JC	AD	AT	DRAWN	JC	05.07.2024
	B	15.03.2024	AS CONSTRUCTED - SEWER LOT 1473 HOUSE CONNECTION UPDATED	JC	AD	AT	CHECKED	AD	05.07.2024
	A	01.02.2024	AS CONSTRUCTED	JC	AD	AT	PASSED	AT	05.07.2024
	INDEX	DATE	REVISIONS	DRAWN	CHECKED	PASSED	INITIALS	DATE	

WOLTER consulting group
Planning Urban Design Landscape Environment Surveying
Brisbane Level 2, 1 Breakfast Ck Road, Newstead, QLD 4006 Phone: (07) 3666 5200



Unitywater
2018012713516
RIVERBANK STAGE 20
WATERSIDE ESPLANADE
SEWER RETICULATION

SHEET 2 OF 5 SHEETS	SCALE 1:250
REVISION DATE 05.07.2024	REVISION D
DISCIPLINE CODE C	
DRAWING NO. U-2023-4789	

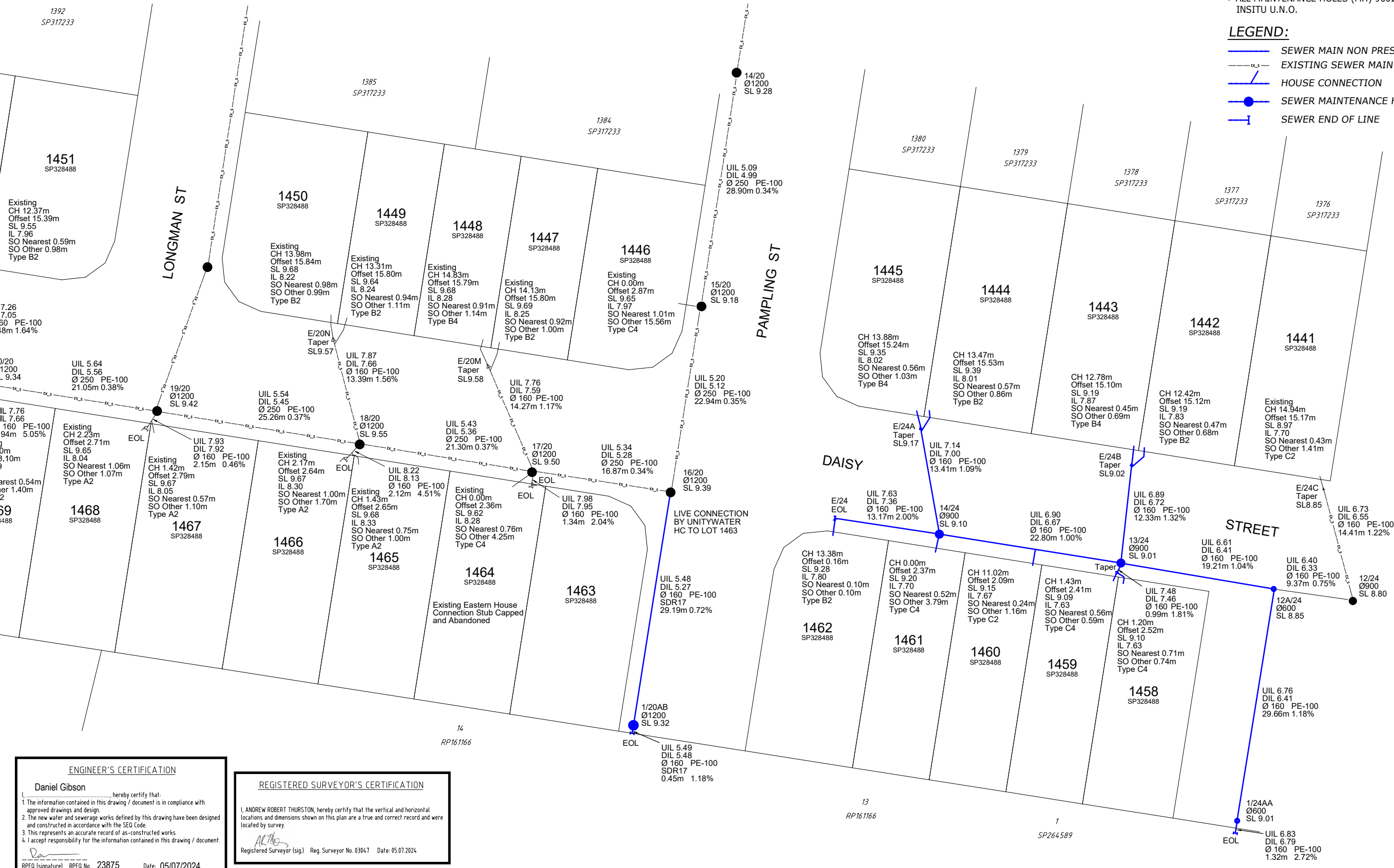
PSM 191027
E: 495937.616
N: 7003052.339
RL: 8.767m

NOTE:

- ALL SEWER MAINS DN160 PE100 CLASS SDR21 U.N.O.
- ALL SEWER HOUSE CONNECTIONS 110PE CLASS SDR21 U.N.O.
- ALL MAINTENANCE HOLES (MH) 900Ø CONCRETE INSITU U.N.O.

LEGEND:

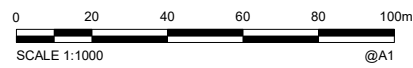
- SEWER MAIN NON PRESSURE
- EXISTING SEWER MAIN
- HOUSE CONNECTION
- SEWER MAINTENANCE HOLE
- SEWER END OF LINE



ENGINEER'S CERTIFICATION
Daniel Gibson
I, Daniel Gibson, hereby certify that:
1. The information contained in this drawing / document is in compliance with approved drawings and design.
2. The new water and sewerage works defined by this drawing have been designed and constructed in accordance with the SEQ Code.
3. This represents an accurate record of as-constructed works.
4. I accept responsibility for the information contained in this drawing / document.
RPEQ (signature) RPEQ No. 23875 Date: 05/07/2024

REGISTERED SURVEYOR'S CERTIFICATION
I, ANDREW ROBERT THURSTON, hereby certify that the vertical and horizontal locations and dimensions shown on this plan are a true and correct record and were located by survey.
Registered Surveyor (sig) Reg. Surveyor No. 03047 Date: 05/07/2024

COORDINATE DATUM NOTE:
HORIZONTAL COORDINATES(E,N) SUPPLIED ARE MAPPING GRID OF AUSTRALIA(MGA), ZONE 56 BASED ON THE UNIVERSAL TRANSVERSE MERCATOR PROJECTION AND THE GEOCENTRIC DATUM OF AUSTRALIA 1994.



AS CONSTRUCTED

A1	D	05.07.2024	AS CONSTRUCTED - SEWER CLASS UPDATED	JC	AD	AT			
	C	14.06.2024	AS CONSTRUCTED - SEWER MH 1/24AA SURFACE LEVEL UPDATED	JC	AD	AT	DRAWN	JC	05.07.2024
	B	15.03.2024	AS CONSTRUCTED - SEWER LOT 1473 HOUSE CONNECTION UPDATED	JC	AD	AT	CHECKED	AD	05.07.2024
	A	01.02.2024	AS CONSTRUCTED	JC	AD	AT	PASSED	AT	05.07.2024
	INDEX	DATE	REVISIONS	DRAWN	CHECKED	PASSED	INITIALS	DATE	



Unitywater
2018012713516
RIVERBANK STAGE 20
WATERSIDE ESPLANADE
SEWER RETICULATION

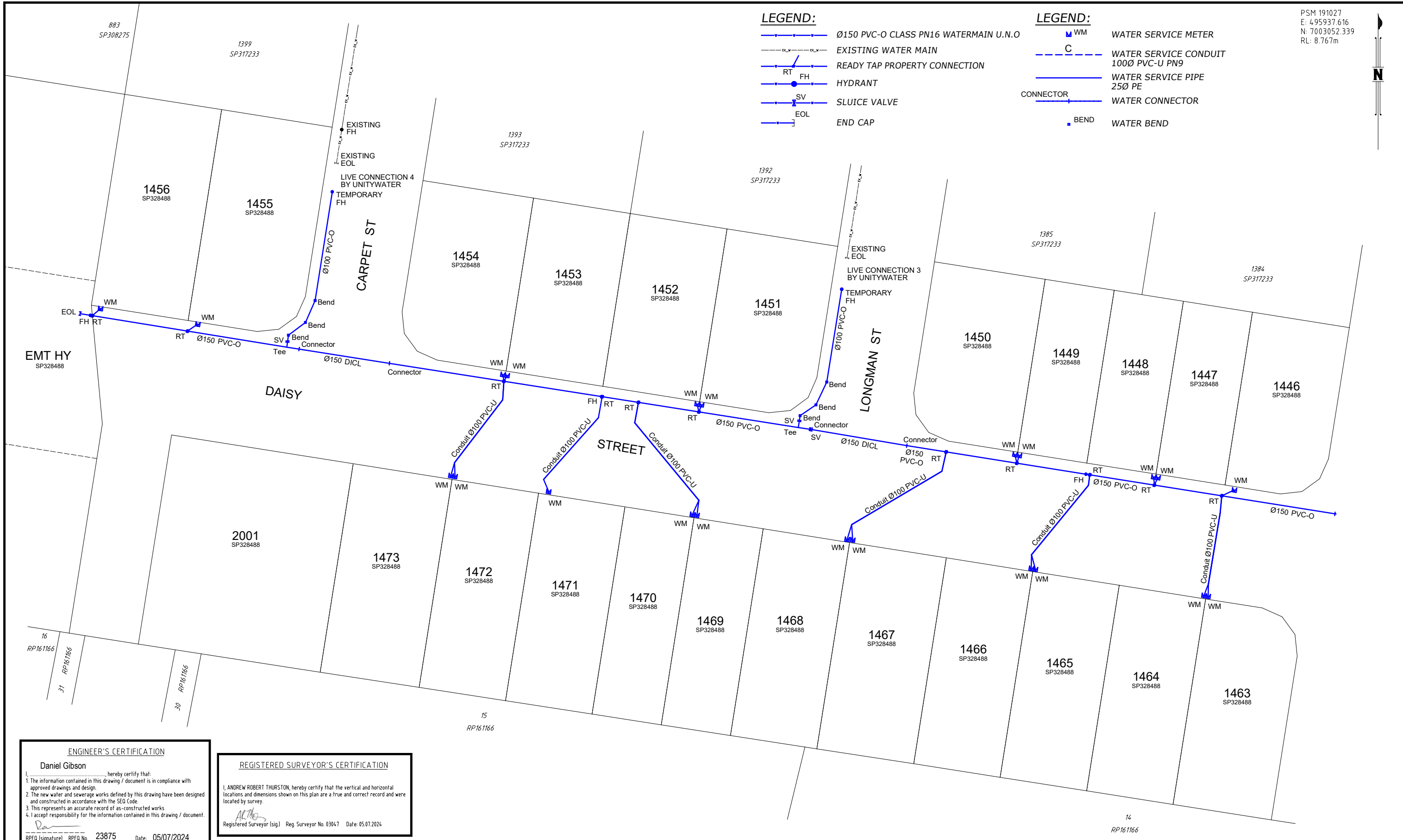
SHEET 3 OF 5 SHEETS	SCALE 1:250
REVISION DATE 05.07.2024	REVISION D
DISCIPLINE CODE C	
DRAWING NO. U-2023-4789	

LEGEND:

- Ø150 PVC-O CLASS PN16 WATERMAIN U.N.O.
- EXISTING WATER MAIN
- READY TAP PROPERTY CONNECTION
- HYDRANT
- SLUICE VALVE
- END CAP

LEGEND:

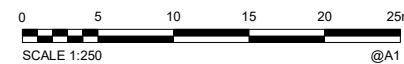
- WATER SERVICE METER
- WATER SERVICE CONDUIT 100Ø PVC-U PN9
- WATER SERVICE PIPE 25Ø PE
- WATER CONNECTOR
- WATER BEND



ENGINEER'S CERTIFICATION
Daniel Gibson
I, Daniel Gibson, hereby certify that:
1. The information contained in this drawing / document is in compliance with approved drawings and design.
2. The new water and sewerage works defined by this drawing have been designed and constructed in accordance with the SEQ Code.
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AS CONSTRUCTED

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	A	01.02.2024	AS CONSTRUCTED	JC	AD	AT	PASSED	AT	05.07.2024
	INDEX	DATE	REVISIONS	DRAWN	CHECKED	PASSED	INITIALS	DATE	


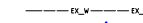






Unitywater
2018012113516
RIVERBANK STAGE 20
WATERSIDE ESPLANADE
WATER RETICULATION






SHEET 4 OF 5 SHEETS	SCALE 1:250
REVISION DATE 05.07.2024	REVISION D
DISCIPLINE CODE C	
DRAWING NO. U-2023-4789	

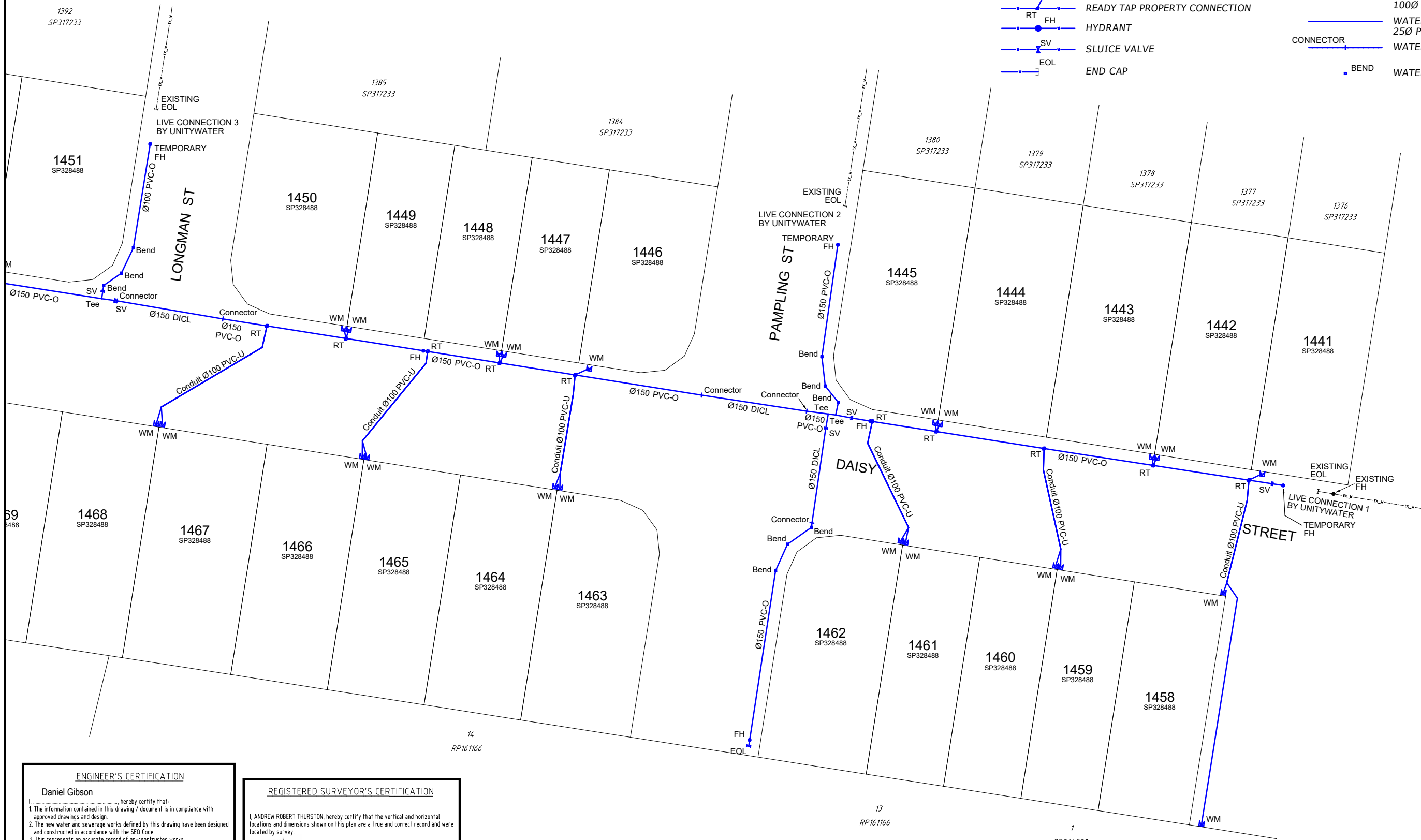
PSM 191027
 E: 495937.616
 N: 7003052.339
 RL: 8.767m

LEGEND:

-  Ø150 PVC-O CLASS PN16 WATERMAIN U.N.O.
-  EXISTING WATER MAIN
-  READY TAP PROPERTY CONNECTION
-  HYDRANT
-  SLUICE VALVE
-  END CAP

LEGEND:

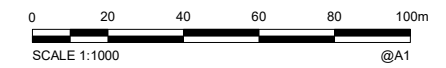
-  WATER SERVICE METER
-  WATER SERVICE CONDUIT 100Ø PVC-U PN9
-  WATER SERVICE PIPE 25Ø PE
-  WATER CONNECTOR
-  WATER BEND



ENGINEER'S CERTIFICATION
 Daniel Gibson
 I, Daniel Gibson, hereby certify that:
 1. The information contained in this drawing / document is in compliance with approved drawings and design.
 2. The new water and sewerage works defined by this drawing have been designed and constructed in accordance with the SEQ Code.
 3. This represents an accurate record of as-constructed works.
 4. I accept responsibility for the information contained in this drawing / document.
 RPEQ (signature) RPEQ No. 23875 Date: 05/07/2024

REGISTERED SURVEYOR'S CERTIFICATION
 I, ANDREW ROBERT THURSTON, hereby certify that the vertical and horizontal locations and dimensions shown on this plan are a true and correct record and were located by survey.
 Registered Surveyor (sig) Reg. Surveyor No. 03047 Date: 05/07/2024

COORDINATE DATUM NOTE:
 HORIZONTAL COORDINATES(E,N) SUPPLIED ARE MAPPING GRID OF AUSTRALIA(MGA), ZONE 56 BASED ON THE UNIVERSAL TRANSVERSE MERCATOR PROJECTION AND THE GEOCENTRIC DATUM OF AUSTRALIA 1994.



AS CONSTRUCTED

A1	D	05.07.2024	AS CONSTRUCTED - SEWER CLASS UPDATED	JC	AD	AT			
	C	14.06.2024	AS CONSTRUCTED - SEWER MH 1/24AA SURFACE LEVEL UPDATED	JC	AD	AT	DRAWN	JC	05.07.2024
	B	15.03.2024	AS CONSTRUCTED - SEWER LOT 1473 HOUSE CONNECTION UPDATED	JC	AD	AT	CHECKED	AD	05.07.2024
	A	01.02.2024	AS CONSTRUCTED	JC	AD	AT	PASSED	AT	05.07.2024
	INDEX	DATE	REVISIONS	DRAWN	CHECKED	PASSED	INITIALS	DATE	



Unitywater
 2018012113516
 RIVERBANK STAGE 20
 WATERSIDE ESPLANADE
 WATER RETICULATION

SHEET 5 OF 5 SHEETS	SCALE 1:250
REVISION DATE 05.07.2024	REVISION D
DISCIPLINE CODE C	
DRAWING NO. U-2023-4789	

PSM 191027
E: 495937.616
N: 7003052.339
RL: 8.767m

- LEGEND:**
- STORMWATER PIPE
 - EXISTING STORMWATER
 - STORMWATER MANHOLE
 - ☐ STORMWATER PIT
 - ☐ STORMWATER FIELD INLET

Surveyors As Constructed Certification

I: ANDREW ROBERT THURSTON (surveyors name) 03047 (surveyors registration number)
 being a certified/registered surveyor and duly authorised representative of:
 WOLTER CONSULTING GROUP PTY LTD (consulting firm or company name)

Hereby
 • certify the information contained in this drawing is an accurate as constructed representation of the works
 • accept responsibility for the as constructed survey information contained in this drawing
 • acknowledge the as constructed survey information contained in the drawing may be relied on by council and others

Certification of Stage: 20 (stage number) by [Signature] (signature) On 24/01/2024. (date)

For WOLTER CONSULTING GROUP PTY LTD (consulting firm or company name)
 Note: Where consulting firms, company name or stage numbers do not apply, complete with N/A for not applicable

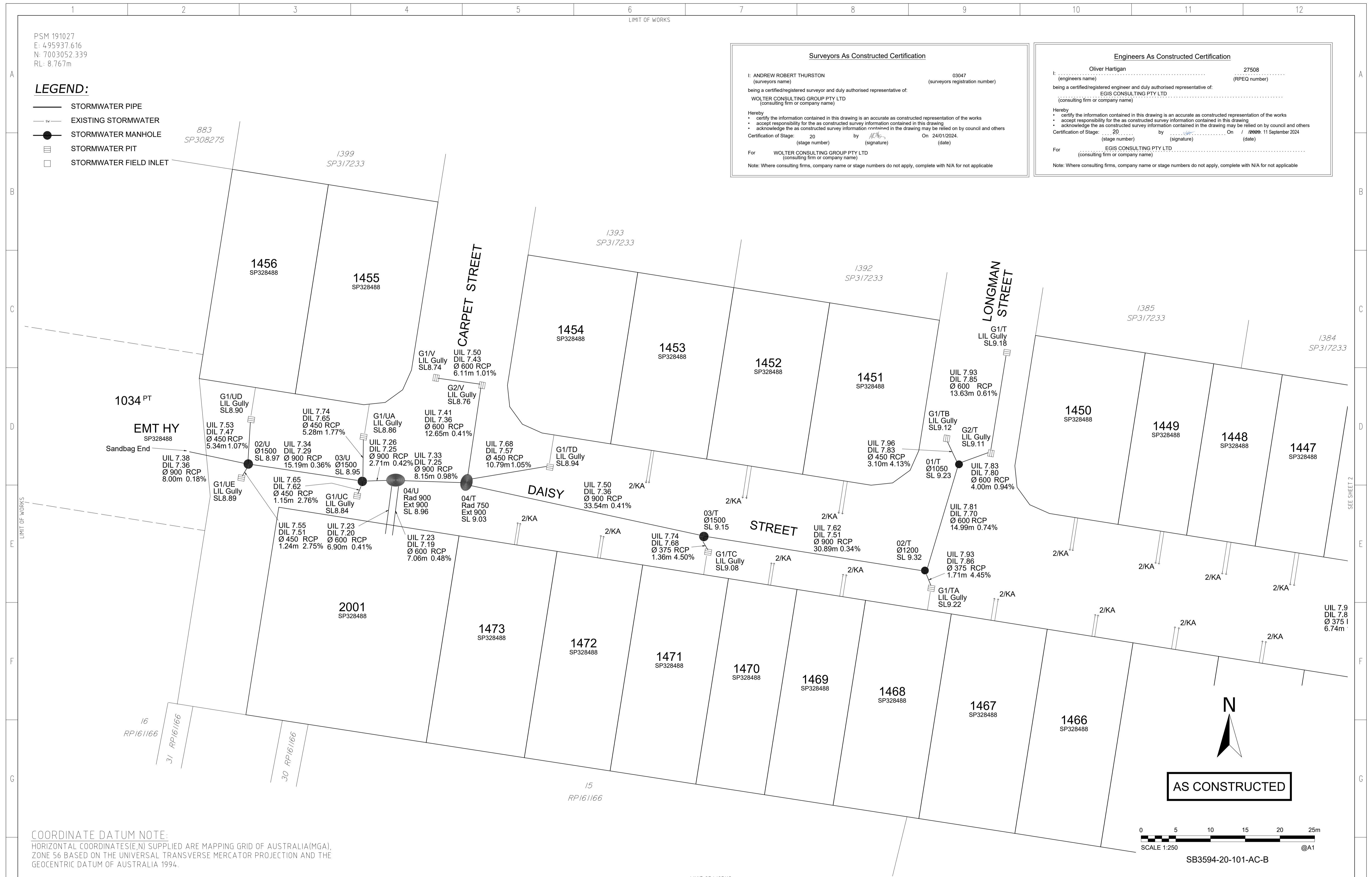
Engineers As Constructed Certification

I: Oliver Hartigan (engineers name) 27508 (RPEQ number)
 being a certified/registered engineer and duly authorised representative of:
 EGIS CONSULTING PTY LTD (consulting firm or company name)

Hereby
 • certify the information contained in this drawing is an accurate as constructed representation of the works
 • accept responsibility for the as constructed survey information contained in this drawing
 • acknowledge the as constructed survey information contained in the drawing may be relied on by council and others

Certification of Stage: 20 (stage number) by [Signature] (signature) On 11 September 2024. (date)

For EGIS CONSULTING PTY LTD (consulting firm or company name)
 Note: Where consulting firms, company name or stage numbers do not apply, complete with N/A for not applicable



COORDINATE DATUM NOTE:
 HORIZONTAL COORDINATES (E,N) SUPPLIED ARE MAPPING GRID OF AUSTRALIA (MGA), ZONE 56 BASED ON THE UNIVERSAL TRANSVERSE MERCATOR PROJECTION AND THE GEOCENTRIC DATUM OF AUSTRALIA 1994.

DRAWING REVISIONS		REFERENCE DRAWINGS		DESIGN FILE No.		DESIGNED	
REV.	REVISION DESCRIPTION	DRG. No.	DESCRIPTION	CONSTRUCT. No.	DATE	DATE	DATE
A	AS CONSTRUCTED						JC
B	AS CONSTRUCTED - UPDATES						BA

FIELD BOOK	CHECKED	DATE
	BA	13.03.2024
LOG BOOK	CHECKED	DATE
	BA	13.03.2024
LEVEL DATUM	Datum	DATE
	AHD	13.03.2024

WOLTER consulting group

Planning Urban Design Landscape Environment Surveying

Brisbane: Level 2, 1 Breakfast Ck Road, Newstead, QLD 4006 Phone: (07) 3666 5200

SCALE 1:250 ORIGINAL SIZE A1

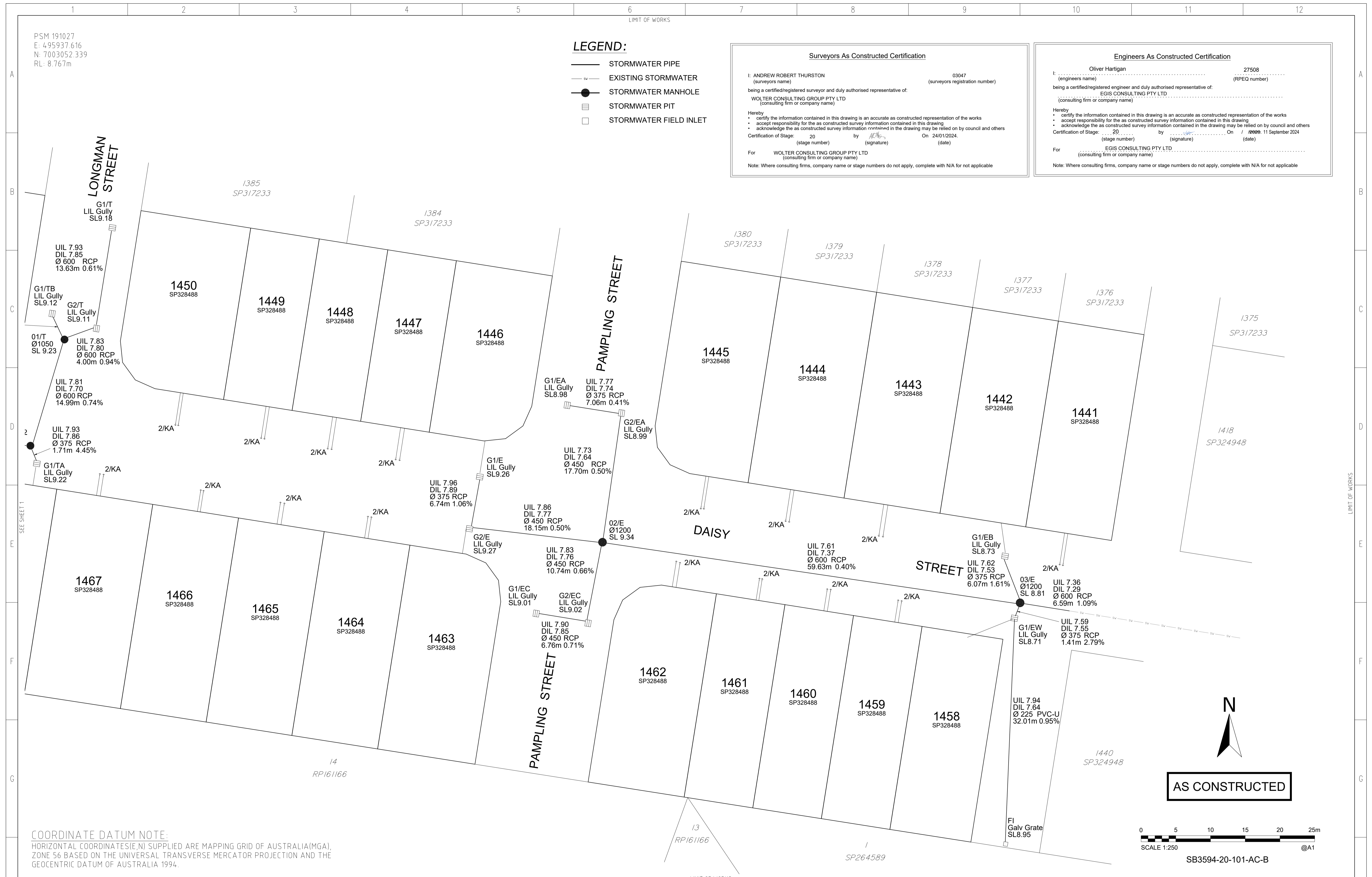
CITY OF MORETON BAY

MORETON BAY CITY
 CABOOLTURE DISTRICT OFFICE
 2 HASKING STREET CABOOLTURE QLD 4510
 PO BOX 159 CABOOLTURE QLD 4510
 Telephone: (07) 3205 0555
 Email: council@moretonbay.qld.gov.au

RIVERBANK ESTATE

STAGE 20
AS CONSTRUCTED
DRAINAGE

SUBDIVISION REFERENCE	
DA/2021/0056	
No. 1 OF 6 PLANS	
ASCAN GRID NUMBER	REV.
-	B



- LEGEND:**
- STORMWATER PIPE
 - EXISTING STORMWATER
 - STORMWATER MANHOLE
 - ☐ STORMWATER PIT
 - ☐ STORMWATER FIELD INLET

Surveyors As Constructed Certification

I: ANDREW ROBERT THURSTON (surveyors name) 03047 (surveyors registration number)
 being a certified/registered surveyor and duly authorised representative of:
 WOLTER CONSULTING GROUP PTY LTD (consulting firm or company name)

Hereby:
 • certify the information contained in this drawing is an accurate as constructed representation of the works
 • accept responsibility for the as constructed survey information contained in this drawing
 • acknowledge the as constructed survey information contained in the drawing may be relied on by council and others

Certification of Stage: 20 (stage number) by [Signature] (signature) On 24/01/2024. (date)

For WOLTER CONSULTING GROUP PTY LTD (consulting firm or company name)
 Note: Where consulting firms, company name or stage numbers do not apply, complete with N/A for not applicable

Engineers As Constructed Certification

Oliver Hartigan 27508 (engineers name) (RPEQ number)
 being a certified/registered engineer and duly authorised representative of:
 EGIS CONSULTING PTY LTD (consulting firm or company name)

Hereby:
 • certify the information contained in this drawing is an accurate as constructed representation of the works
 • accept responsibility for the as constructed survey information contained in this drawing
 • acknowledge the as constructed survey information contained in the drawing may be relied on by council and others

Certification of Stage: 20 (stage number) by [Signature] (signature) On 11 September 2024. (date)

For EGIS CONSULTING PTY LTD (consulting firm or company name)
 Note: Where consulting firms, company name or stage numbers do not apply, complete with N/A for not applicable

DRAWING REVISIONS		REFERENCE DRAWINGS		DESIGN FILE No.	DESIGNED
REV.	REVISION DESCRIPTION	DRG. No.	DESCRIPTION	CONSTRUCT. No.	DATE
A	AS CONSTRUCTED			SB35945/20	JC
B	AS CONSTRUCTED - UPDATES				

DESIGN FILE No.	DESIGNED	DATE
SB35945/20	JC	
FIELD BOOK	CHECKED	13.03.2024
LOG BOOK	CHECKED	BA
LEVEL DATUM	DATE	13.03.2024
DATUM	Datum	

WOLTER consulting group

Planning Urban Design Landscape Environment Surveying

Brisbane: Level 2, 1 Breakfast Ck Road, Newstead, QLD 4006 Phone: (07) 3666 5200

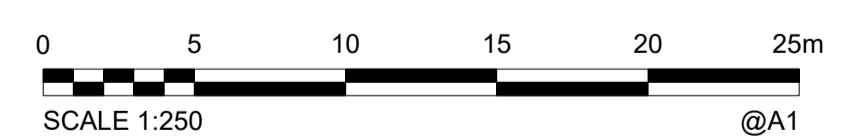
SCALE 1:250 ORIGINAL SIZE A1

CITY OF MORETON BAY

MORETON BAY CITY CABOOLTURE DISTRICT OFFICE
 2 HASKING STREET CABOOLTURE QLD 4510
 PO BOX 159 CABOOLTURE QLD 4510
 Telephone: (07) 3205 0555
 Email: council@moretonbay.qld.gov.au

RIVERBANK ESTATE
 STAGE 20
 AS CONSTRUCTED
 DRAINAGE

SUBDIVISION REFERENCE	
DA/2021/0056	
No. 2 OF 6 PLANS	
ASCAN GRID NUMBER	REV.
-	B



AS CONSTRUCTED

SB3594-20-101-AC-B

PSM 191027
E: 495937.616
N: 7003052.339
RL: 8.767m

- LEGEND:**
- KERB LIP
 - KERB INVERT
 - KERB BACK
 - SUB-SOIL DRAIN
 - CONCRETE PATH

Surveyors As Constructed Certification

I: ANDREW ROBERT THURSTON (surveyors name) 03047 (surveyors registration number)
 being a certified/registered surveyor and duly authorised representative of:
 WOLTER CONSULTING GROUP PTY LTD (consulting firm or company name)

Hereby
 • certify the information contained in this drawing is an accurate as constructed representation of the works
 • accept responsibility for the as constructed survey information contained in this drawing
 • acknowledge the as constructed survey information contained in the drawing may be relied on by council and others

Certification of Stage: 20 (stage number) by [Signature] (signature) On 24/01/2024. (date)

For WOLTER CONSULTING GROUP PTY LTD (consulting firm or company name)
 Note: Where consulting firms, company name or stage numbers do not apply, complete with N/A for not applicable

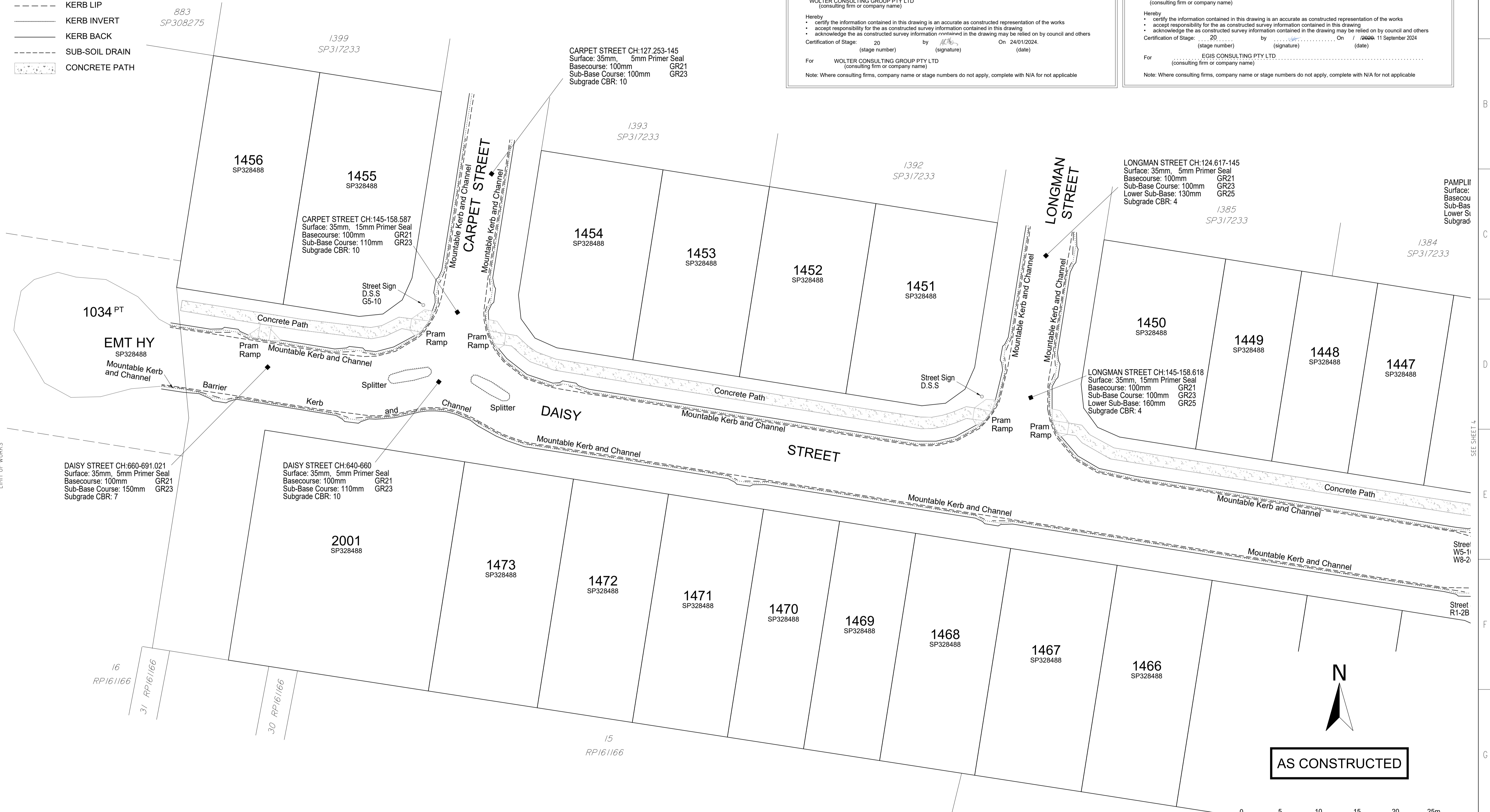
Engineers As Constructed Certification

I: Oliver Hartigan (engineers name) 27508 (RPEQ number)
 being a certified/registered engineer and duly authorised representative of:
 EGIS CONSULTING PTY LTD (consulting firm or company name)

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For EGIS CONSULTING PTY LTD (consulting firm or company name)
 Note: Where consulting firms, company name or stage numbers do not apply, complete with N/A for not applicable



COORDINATE DATUM NOTE:
 HORIZONTAL COORDINATES(E,N) SUPPLIED ARE MAPPING GRID OF AUSTRALIA(MGA), ZONE 56 BASED ON THE UNIVERSAL TRANSVERSE MERCATOR PROJECTION AND THE GEOCENTRIC DATUM OF AUSTRALIA 1994.



AS CONSTRUCTED

SB3594-20-101-AC-B

DRAWING REVISIONS		REFERENCE DRAWINGS		DESIGN FILE No.	DESIGNED	DATE
REV.	REVISION DESCRIPTION	DRG. No.	DESCRIPTION	CONSTRUCT. No.	DATE	
A	AS CONSTRUCTED					JC
B	AS CONSTRUCTED - UPDATES				13.03.2024	BA
					13.03.2024	

LIMIT OF WORKS

Planning Urban Design Landscape Environment Surveying

Brisbane: Level 2, 1 Breakfast Ck Road, Newstead, QLD 4006 Phone: (07) 3666 5200

SCALE 1:250 ORIGINAL SIZE A1

MORETON BAY CITY
 CABOOLTURE DISTRICT OFFICE
 2 HASKING STREET CABOOLTURE QLD 4510
 PO BOX 159 CABOOLTURE QLD 4510
 Telephone: (07) 3205 0555
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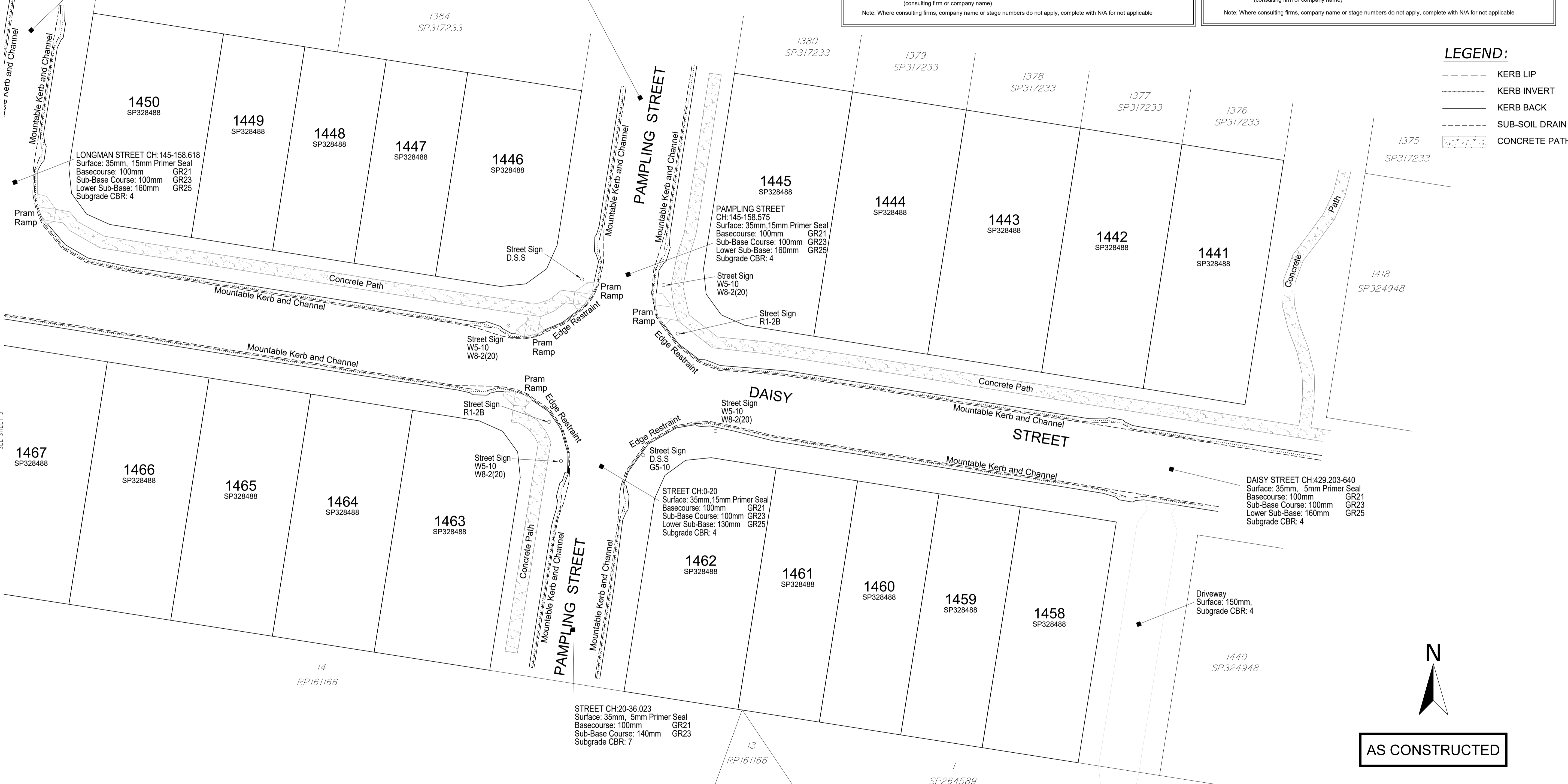
RIVERBANK ESTATE
 STAGE 20
 AS CONSTRUCTED
 ROADS

SUBDIVISION REFERENCE	
DA/2021/0056	
No. 3 OF 6 PLANS	
ASCAN GRID NUMBER	REV.
-	B

PSM 191027
E: 495937.616
N: 7003052.339
RL: 8.767m

LONGMAN STREET CH:124.617-145
Surface: 35mm, 5mm Primer Seal
Basecourse: 100mm GR21
Sub-Base Course: 100mm GR23
Lower Sub-Base: 130mm GR25
Subgrade CBR: 4

PAMPLING STREET CH:127.250-145
Surface: 35mm, 5mm Primer Seal
Basecourse: 100mm GR21
Sub-Base Course: 100mm GR23
Lower Sub-Base: 130mm GR25
Subgrade CBR: 4

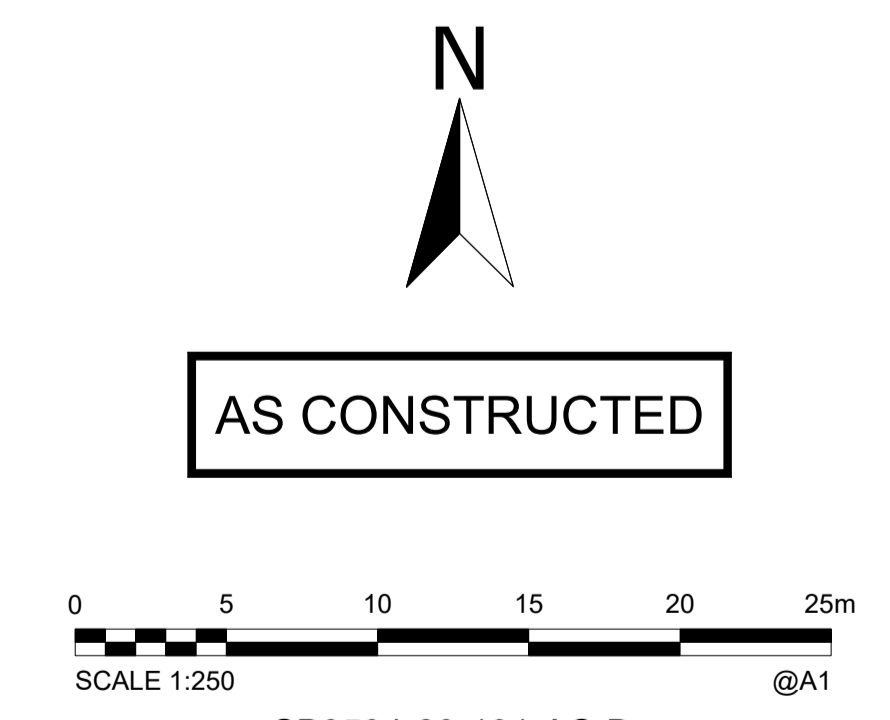


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Certification of Stage: 20 (stage number) by [signature] On 11 September 2024. (date)

LEGEND:
--- KERB LIP
--- KERB INVERT
--- KERB BACK
--- SUB-SOIL DRAIN
[Pattern] CONCRETE PATH

COORDINATE DATUM NOTE:
HORIZONTAL COORDINATES(E,N) SUPPLIED ARE MAPPING GRID OF AUSTRALIA(MGA), ZONE 56 BASED ON THE UNIVERSAL TRANSVERSE MERCATOR PROJECTION AND THE GEOCENTRIC DATUM OF AUSTRALIA 1994.



DRAWING REVISIONS		REFERENCE DRAWINGS		DESIGN FILE No.	DESIGNED
REV.	REVISION DESCRIPTION	DRG. No.	DESCRIPTION	CONSTRUCT. No.	DATE
A	AS CONSTRUCTED				JC
B	AS CONSTRUCTED - UPDATES			SB35945/20	13.03.2024

DESIGNED	CHECKED	DATE
JC	BA	13.03.2024

LEVEL DATUM	Datum	DATE
AHD	Datum	13.03.2024

WOLTER consulting group
Planning Urban Design Landscape Environment Surveying
Brisbane: Level 2, 1 Breakfast Ck Road, Newstead, QLD 4006 Phone: (07) 3666 5200

SCALE 1:250 ORIGINAL SIZE A1

CITY OF MORETON BAY
MORETON BAY CITY CABOOLTURE DISTRICT OFFICE
2 HASKING STREET CABOOLTURE QLD 4510
PO BOX 159 CABOOLTURE QLD 4510
Telephone: (07) 3205 0555
Email: council@moretonbay.qld.gov.au

RIVERBANK ESTATE
STAGE 20
AS CONSTRUCTED
ROADS

SUBDIVISION REFERENCE	
DA/2021/0056	
No. 4 OF 6 PLANS	
ASCEN GRID NUMBER	REV.
-	B

PSM 191027
E: 495937.616
N: 7003052.339
RL: 8.767m

- LEGEND:**
- CONTOUR
 - - - CHANGE OF GRADE
 - TOP OF BANK
 - - - BOTTOM OF BANK
 - 55.83 ✕ SPOT HEIGHT

Surveyors As Constructed Certification

I: ANDREW ROBERT THURSTON (surveyors name) 03047 (surveyors registration number)
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 WOLTER CONSULTING GROUP PTY LTD (consulting firm or company name)

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Certification of Stage: 20 (stage number) by [Signature] (signature) On 24/01/2024 (date)

For WOLTER CONSULTING GROUP PTY LTD (consulting firm or company name)

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Engineers As Constructed Certification

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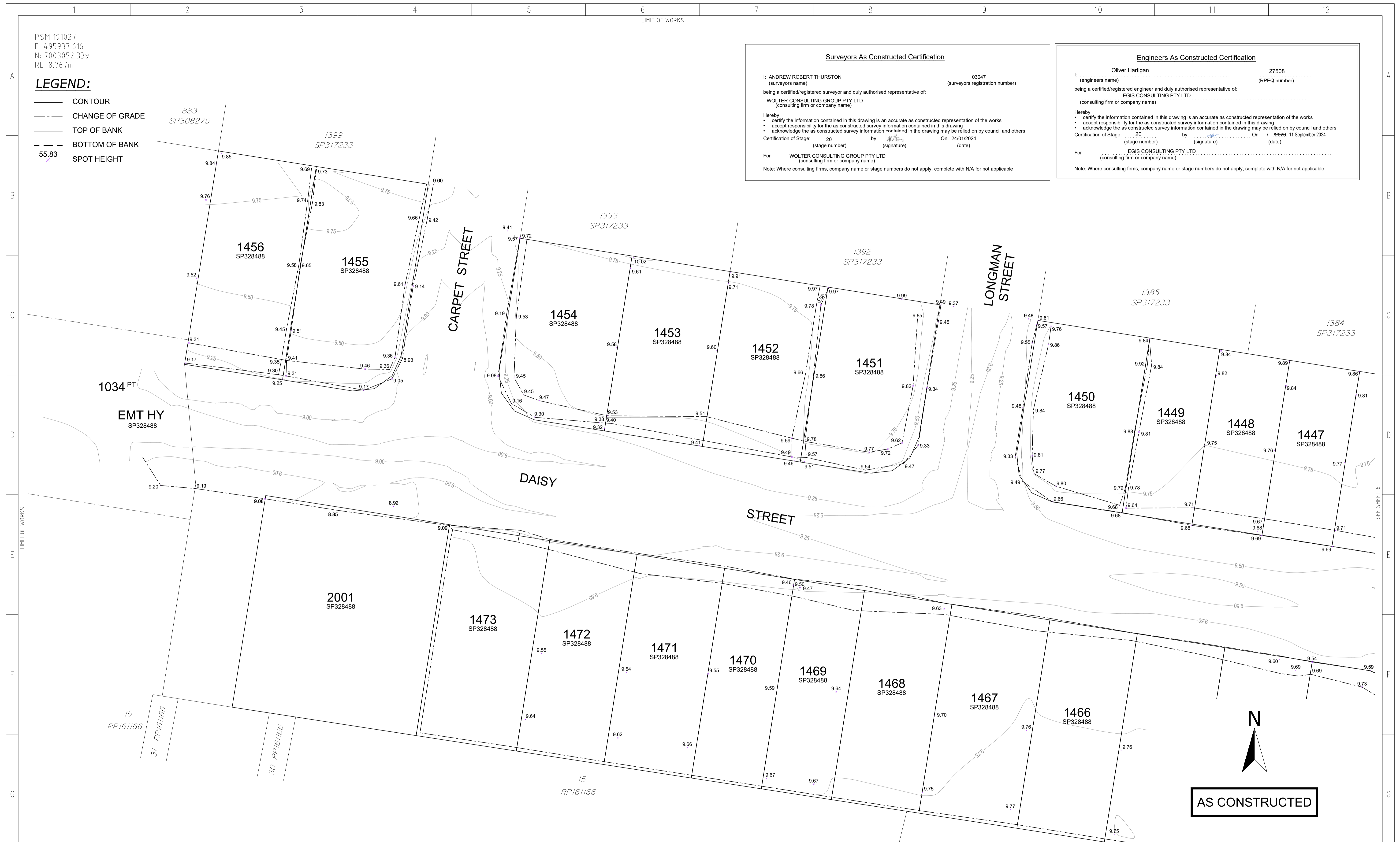
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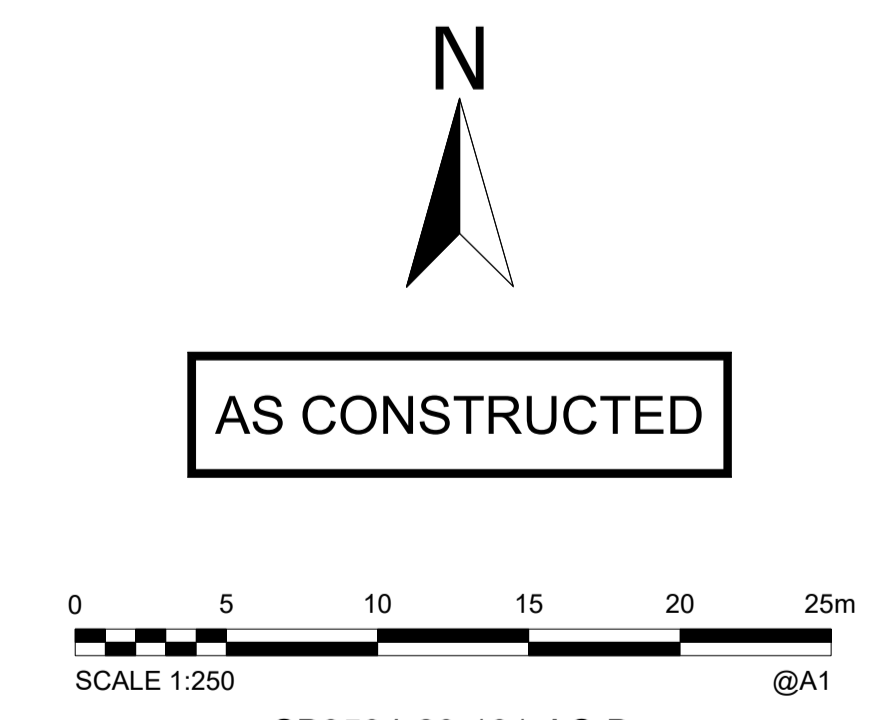
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 ZONE 56 BASED ON THE UNIVERSAL TRANSVERSE MERCATOR PROJECTION AND THE
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DRAWING REVISIONS		REFERENCE DRAWINGS		DESIGN FILE No.	DESIGNED
REV.	REVISION DESCRIPTION	DRG. No.	DESCRIPTION	CONSTRUCT. No.	DATE
A	AS CONSTRUCTED			SB35945/20	JC
B	AS CONSTRUCTED - UPDATES				13.03.2024
					13.03.2024

WOLTER consulting group

Planning Urban Design Landscape Environment Surveying

Brisbane: Level 2, 1 Breakfast Ck Road, Newstead, QLD 4006 Phone: (07) 3666 5200

SCALE 1:250 ORIGINAL SIZE A1

CITY OF MORETON BAY

MORETON BAY CITY
 CABOOLTURE DISTRICT OFFICE
 2 HASKING STREET CABOOLTURE QLD 4510
 PO BOX 159 CABOOLTURE QLD 4510
 Telephone: (07) 3205 0555
 Email: council@moretonbay.qld.gov.au

RIVERBANK ESTATE

STAGE 20
 AS CONSTRUCTED
 SURFACE

SUBDIVISION REFERENCE	
DA/2021/0056	
No. 5 OF 6 PLANS	
ASCAN GRID NUMBER	REV.
-	B

PSM 191027
E: 495937.616
N: 7003052.339
RL: 8.767m

LEGEND:
— CONTOUR
- - - CHANGE OF GRADE
— TOP OF BANK
- - - BOTTOM OF BANK
55.83 SPOT HEIGHT

Surveyors As Constructed Certification
I: ANDREW ROBERT THURSTON (surveyors name) 03047 (surveyors registration number)
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Certification of Stage: 20 (stage number) by [Signature] (signature) On 11 September 2024 (date)



COORDINATE DATUM NOTE:
HORIZONTAL COORDINATES(E,N) SUPPLIED ARE MAPPING GRID OF AUSTRALIA(MGA), ZONE 56 BASED ON THE UNIVERSAL TRANSVERSE MERCATOR PROJECTION AND THE GEOCENTRIC DATUM OF AUSTRALIA 1994.



SB3594-20-101-AC-B

DRAWING REVISIONS		REFERENCE DRAWINGS		DESIGN FILE No.	DESIGNED
REV.	REVISION DESCRIPTION	DRG. No.	DESCRIPTION	CONSTRUCT. No.	DATE
A	AS CONSTRUCTED				JC
B	AS CONSTRUCTED - UPDATES			SB35945/20	13.03.2024
				FIELD BOOK	CHECKED BA
				LOG BOOK	DATE 13.03.2024
				LEVEL DATUM	DATE
				Datum	

WOLTER consulting group
 Planning Urban Design Landscape Environment Surveying
 Brisbane: Level 2, 1 Breakfast Cl Road, Newstead, QLD 4006 Phone: (07) 3666 5200

SCALE 1:250 ORIGINAL SIZE A1

CITY OF MORETON BAY
 MORETON BAY CITY CABOOLTURE DISTRICT OFFICE
 2 HASKING STREET CABOOLTURE QLD 4510
 PO BOX 159 CABOOLTURE QLD 4510
 Telephone: (07) 3205 0555
 Email: council@moretonbay.qld.gov.au

RIVERBANK ESTATE
 STAGE 20
 AS CONSTRUCTED
 SURFACE

SUBDIVISION REFERENCE	
DA/2021/0056	
No. 6 OF 6 PLANS	
ASCAN GRID NUMBER	REV.
-	B

PSM 191027
 E: 495937.616
 N: 7003052.339
 RL: 8.767m



UNITYWATER PROJECT NUMBER 2018012713S16

MARKET DRIVE, CABOOLTURE SOUTH

DN250/DN150 SEWER/WATER MAIN



DRAWING INDEX	
DRAWING NUMBER	DESCRIPTION
U-2023-4789 Sheet 1	LOCALITY PLAN AND DRAWING INDEX
U-2023-4789 Sheet 2	SEWER RETICULATION
U-2023-4789 Sheet 3	SEWER RETICULATION
U-2023-4789 Sheet 4	WATER RETICULATION
U-2023-4789 Sheet 5	WATER RETICULATION

COORDINATE DATUM NOTE:
 HORIZONTAL COORDINATES(E,N) SUPPLIED ARE MAPPING GRID OF AUSTRALIA(MGA), ZONE 56 BASED ON THE UNIVERSAL TRANSVERSE MERCATOR PROJECTION AND THE GEOCENTRIC DATUM OF AUSTRALIA 1994.

ENGINEER'S CERTIFICATION

Daniel Gibson

I, Daniel Gibson, hereby certify that:

- The information contained in this drawing / document is in compliance with approved drawings and design.
- The new water and sewerage works defined by this drawing have been designed and constructed in accordance with the SEQ Code.
- This represents an accurate record of as-constructed works
- I accept responsibility for the information contained in this drawing / document.

RPEQ (signature) RPEQ No. **23875** Date: **05/07/2024**

REGISTERED SURVEYOR'S CERTIFICATION

I, ANDREW ROBERT THURSTON, hereby certify that the vertical and horizontal locations and dimensions shown on this plan are a true and correct record and were located by survey.

Registered Surveyor (sig) Reg. Surveyor No. 03047 Date: 05.07.2024

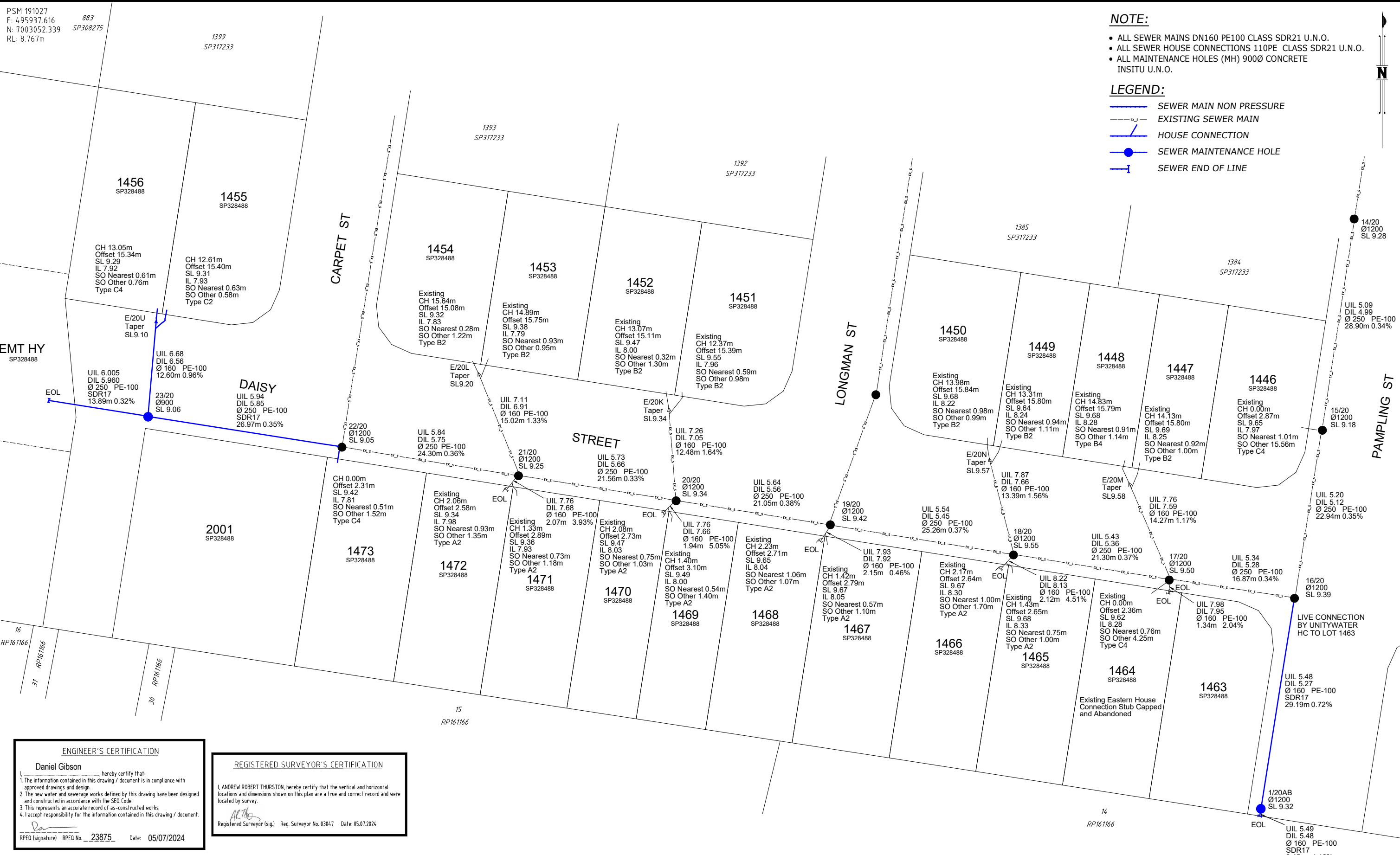
AS CONSTRUCTED

A1	D	05.07.2024	AS CONSTRUCTED - SEWER CLASS UPDATED	JC	AD	AT			 WOLTER consulting group <small>Planning Urban Design Landscape Environment Surveying</small> Brisbane: Level 2, 1 Breakfast Ck Road, Newstead, QLD 4006 Phone: (07) 3466 5200	 Unitywater 2018012713S16 RIVERBANK STAGE 20 WATERSIDE ESPLANADE COVER SHEET	SHEET 1 OF 5 SHEETS	SCALE 1:250	
	C	14.06.2024	AS CONSTRUCTED - SEWER MH 1/24AA SURFACE LEVEL UPDATED	JC	AD	AT	DRAWN	JC			05.07.2024	REVISION DATE 05.07.2024	REVISION D
	B	15.03.2024	AS CONSTRUCTED - SEWER LOT 1473 HOUSE CONNECTION UPDATED	JC	AD	AT	CHECKED	AD			05.07.2024	DISCIPLINE CODE C	
	A	01.02.2024	AS CONSTRUCTED	JC	AD	AT	PASSED	AT			05.07.2024	DRAWING NO.	
	INDEX	DATE	REVISIONS	DRAWN	CHECKED	PASSED		INITIALS			DATE	U-2023-4789	

PSM 191027
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N: 7003052.339 SP308275
RL: 8.767m

1399
SP317233

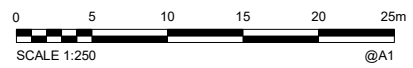
- NOTE:**
- ALL SEWER MAINS DN160 PE100 CLASS SDR21 U.N.O.
 - ALL SEWER HOUSE CONNECTIONS 110PE CLASS SDR21 U.N.O.
 - ALL MAINTENANCE HOLES (MH) 900Ø CONCRETE INSITU U.N.O.
- LEGEND:**
- SEWER MAIN NON PRESSURE
 - - - EXISTING SEWER MAIN
 - HOUSE CONNECTION
 - SEWER MAINTENANCE HOLE
 - SEWER END OF LINE



ENGINEER'S CERTIFICATION
Daniel Gibson
I, Daniel Gibson, hereby certify that:
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RPEQ (signature) RPEQ No. 23875 Date: 05/07/2024

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Registered Surveyor (sig) Reg. Surveyor No. 03047 Date: 05/07/2024

COORDINATE DATUM NOTE:
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AS CONSTRUCTED

A1	D	05.07.2024	AS CONSTRUCTED - SEWER CLASS UPDATED	JC	AD	AT			
	C	14.06.2024	AS CONSTRUCTED - SEWER MH 1/24AA SURFACE LEVEL UPDATED	JC	AD	AT	DRAWN	JC	05.07.2024
	B	15.03.2024	AS CONSTRUCTED - SEWER LOT 1473 HOUSE CONNECTION UPDATED	JC	AD	AT	CHECKED	AD	05.07.2024
	A	01.02.2024	AS CONSTRUCTED	JC	AD	AT	PASSED	AT	05.07.2024
	INDEX	DATE	REVISIONS	DRAWN	CHECKED	PASSED	INITIALS	DATE	



Unitywater
2018012713516
RIVERBANK STAGE 20
WATERSIDE ESPLANADE
SEWER RETICULATION

SHEET 2 OF 5 SHEETS	SCALE 1:250
REVISION DATE 05.07.2024	REVISION D
DISCIPLINE CODE C	
DRAWING NO. U-2023-4789	

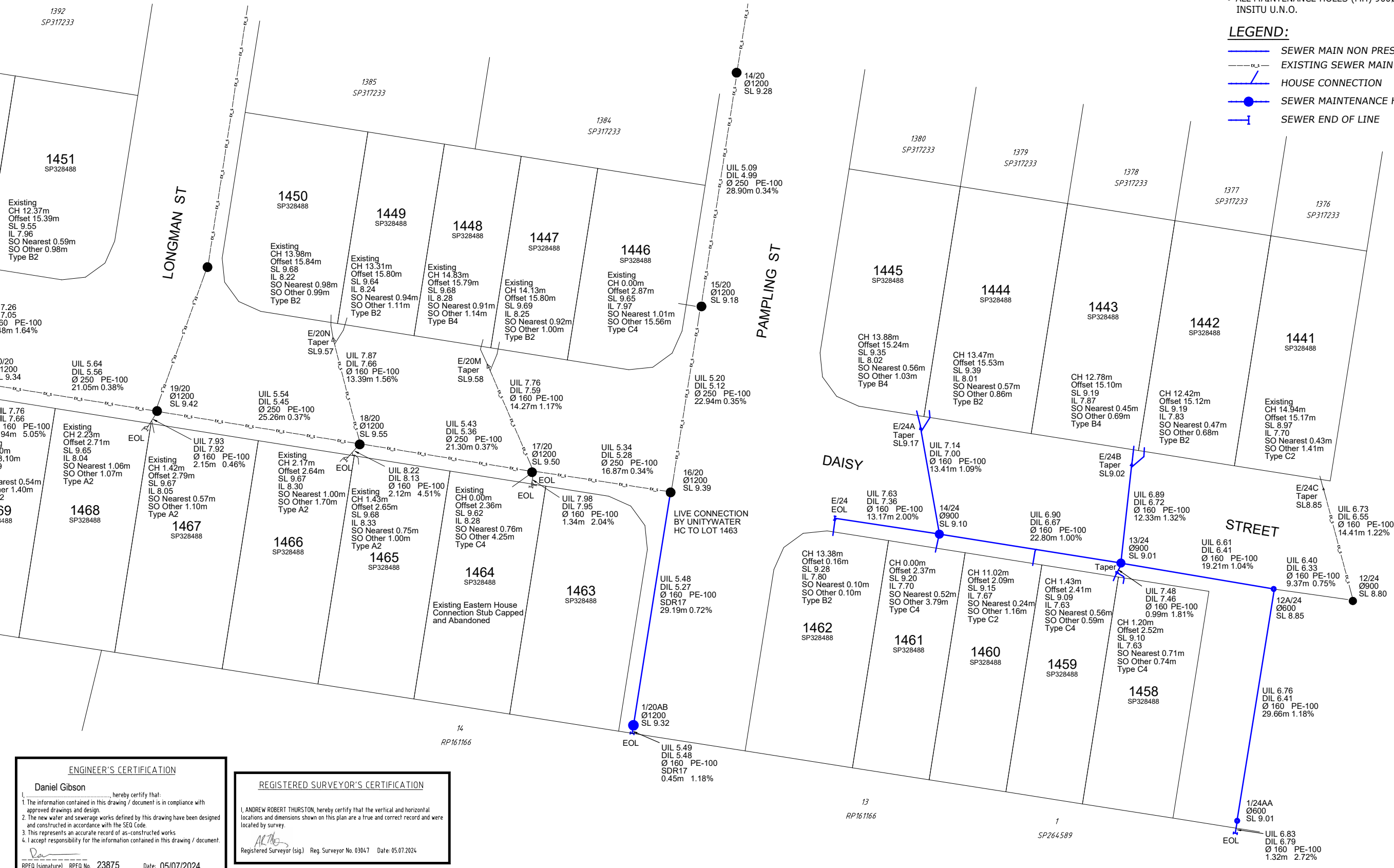
PSM 191027
E: 495937.616
N: 7003052.339
RL: 8.767m

NOTE:

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- ALL SEWER HOUSE CONNECTIONS 110PE CLASS SDR21 U.N.O.
- ALL MAINTENANCE HOLES (MH) 900Ø CONCRETE INSITU U.N.O.

LEGEND:

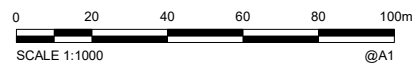
- SEWER MAIN NON PRESSURE
- EXISTING SEWER MAIN
- HOUSE CONNECTION
- SEWER MAINTENANCE HOLE
- SEWER END OF LINE



ENGINEER'S CERTIFICATION
Daniel Gibson
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Registered Surveyor (sig) Reg. Surveyor No. 03047 Date: 05/07/2024

COORDINATE DATUM NOTE:
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AS CONSTRUCTED

INDEX	DATE	REVISIONS	DRAWN	CHECKED	PASSED	INITIALS	DATE
D	05.07.2024	AS CONSTRUCTED - SEWER CLASS UPDATED	JC	AD	AT		
C	14.06.2024	AS CONSTRUCTED - SEWER MH 1/24AA SURFACE LEVEL UPDATED	JC	AD	AT		
B	15.03.2024	AS CONSTRUCTED - SEWER LOT 1473 HOUSE CONNECTION UPDATED	JC	AD	AT		
A	01.02.2024	AS CONSTRUCTED	JC	AD	AT		

WOLTER consulting group
Planning Urban Design Landscape Environment Surveying
Brisbane: Level 2, 1 Breakfast Ck Road, Newstead, QLD 4006 Phone: (07) 3666 5200



Unitywater
2018012713516
RIVERBANK STAGE 20
WATERSIDE ESPLANADE
SEWER RETICULATION

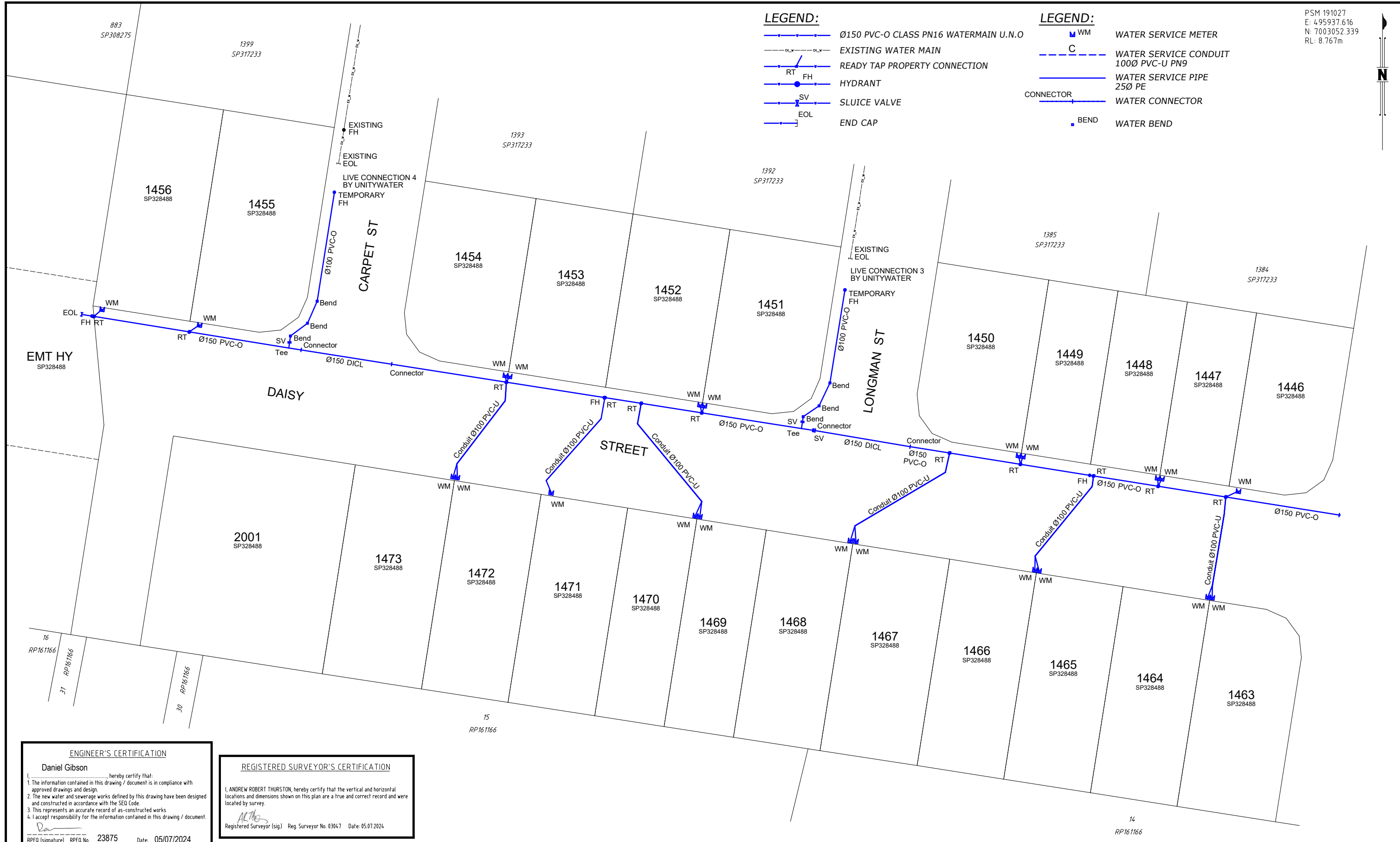
SHEET 3 OF 5 SHEETS	SCALE 1:250
REVISION DATE 05.07.2024	REVISION D
DISCIPLINE CODE C	
DRAWING NO. U-2023-4789	

LEGEND:

- Ø150 PVC-O CLASS PN16 WATERMAIN U.N.O.
- EXISTING WATER MAIN
- READY TAP PROPERTY CONNECTION
- HYDRANT
- SLUICE VALVE
- END CAP

LEGEND:

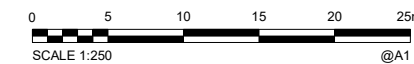
- WATER SERVICE METER
- WATER SERVICE CONDUIT 100Ø PVC-U PN9
- WATER SERVICE PIPE 25Ø PE
- WATER CONNECTOR
- WATER BEND



ENGINEER'S CERTIFICATION
Daniel Gibson
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AS CONSTRUCTED

A1	D	05.07.2024	AS CONSTRUCTED - SEWER CLASS UPDATED	JC	AD	AT		
	C	14.06.2024	AS CONSTRUCTED - SEWER MH 1/24 AA SURFACE LEVEL UPDATED	JC	AD	AT	DRAWN	JC 05.07.2024
	B	15.03.2024	AS CONSTRUCTED - SEWER LOT 1473 HOUSE CONNECTION UPDATED	JC	AD	AT	CHECKED	AD 05.07.2024
	A	01.02.2024	AS CONSTRUCTED	JC	AD	AT	PASSED	AT 05.07.2024
	INDEX	DATE	REVISIONS	DRAWN	CHECKED	PASSED	INITIALS	DATE

WOLTER consulting group

 Planning Urban Design Landscape Environment Surveying
 Brisbane: Level 2, 1 Breakfast Ck Road, Newstead, QLD 4006 Phone: (07) 3666 5200


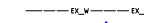




Unitywater

Unitywater
 201801213516
 RIVERBANK STAGE 20
 WATERSIDE ESPLANADE
 WATER RETICULATION






SHEET 4 OF 5 SHEETS	SCALE 1:250
REVISION DATE 05.07.2024	REVISION D
DISCIPLINE CODE C	
DRAWING NO. U-2023-4789	

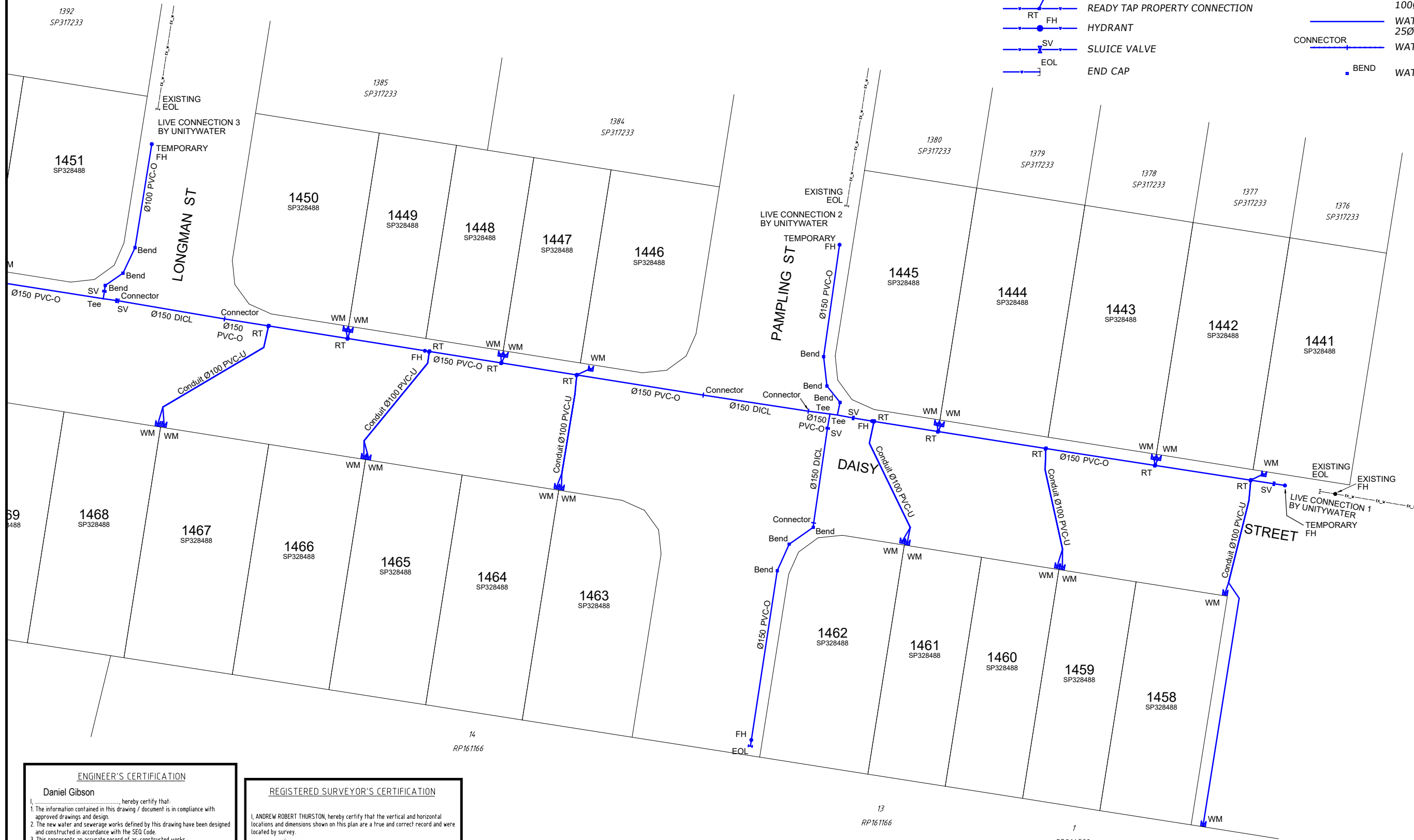
PSM 191027
E: 495937.616
N: 7003052.339
RL: 8.767m

LEGEND:

-  Ø150 PVC-O CLASS PN16 WATERMAIN U.N.O.
-  EXISTING WATER MAIN
-  READY TAP PROPERTY CONNECTION
-  HYDRANT
-  SLUICE VALVE
-  END CAP

LEGEND:

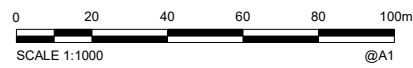
-  WATER SERVICE METER
-  WATER SERVICE CONDUIT 100Ø PVC-U PN9
-  WATER SERVICE PIPE 25Ø PE
-  WATER CONNECTOR
-  WATER BEND



ENGINEER'S CERTIFICATION
Daniel Gibson
I, Daniel Gibson, hereby certify that:
1. The information contained in this drawing / document is in compliance with approved drawings and design.
2. The new water and sewerage works defined by this drawing have been designed and constructed in accordance with the SEQ Code.
3. This represents an accurate record of as-constructed works.
4. I accept responsibility for the information contained in this drawing / document.
RPEQ (signature) RPEQ No. 23875 Date: 05/07/2024

REGISTERED SURVEYOR'S CERTIFICATION
I, ANDREW ROBERT THURSTON, hereby certify that the vertical and horizontal locations and dimensions shown on this plan are a true and correct record and were located by survey.
Registered Surveyor (sig) Reg. Surveyor No. 03047 Date: 05/07/2024

COORDINATE DATUM NOTE:
HORIZONTAL COORDINATES(E,N) SUPPLIED ARE MAPPING GRID OF AUSTRALIA(MGA), ZONE 56 BASED ON THE UNIVERSAL TRANSVERSE MERCATOR PROJECTION AND THE GEOCENTRIC DATUM OF AUSTRALIA 1994.



AS CONSTRUCTED

A1	D	05.07.2024	AS CONSTRUCTED - SEWER CLASS UPDATED	JC	AD	AT			
	C	14.06.2024	AS CONSTRUCTED - SEWER MH 1/24AA SURFACE LEVEL UPDATED	JC	AD	AT	DRAWN	JC	05.07.2024
	B	15.03.2024	AS CONSTRUCTED - SEWER LOT 1473 HOUSE CONNECTION UPDATED	JC	AD	AT	CHECKED	AD	05.07.2024
	A	01.02.2024	AS CONSTRUCTED	JC	AD	AT	PASSED	AT	05.07.2024
	INDEX	DATE	REVISIONS	DRAWN	CHECKED	PASSED	INITIALS	DATE	

WOLTER consulting group
Planning Urban Design Landscape Environment Surveying
Brisbane: Level 2, 1 Breakfast Ck Road, Newstead, QLD 4006 Phone: (07) 3666 5200



Unitywater
2018012713516
RIVERBANK STAGE 20
WATERSIDE ESPLANADE
WATER RETICULATION

SHEET 5 OF 5 SHEETS	SCALE 1:250
REVISION DATE 05.07.2024	REVISION D
DISCIPLINE CODE C	
DRAWING NO. U-2023-4789	

PSM 191027
E: 495937.616
N: 7003052.339
RL: 8.767m

LEGEND:

- STORMWATER PIPE
- EXISTING STORMWATER
- STORMWATER MANHOLE
- STORMWATER PIT
- STORMWATER FIELD INLET

Surveyors As Constructed Certification

I: ANDREW ROBERT THURSTON (surveyors name) 03047 (surveyors registration number)
 being a certified/registered surveyor and duly authorised representative of:
 WOLTER CONSULTING GROUP PTY LTD (consulting firm or company name)

Hereby
 • certify the information contained in this drawing is an accurate as constructed representation of the works
 • accept responsibility for the as constructed survey information contained in this drawing
 • acknowledge the as constructed survey information contained in the drawing may be relied on by council and others

Certification of Stage: 20 (stage number) by [Signature] (signature) On 24/01/2024. (date)

For WOLTER CONSULTING GROUP PTY LTD (consulting firm or company name)
 Note: Where consulting firms, company name or stage numbers do not apply, complete with N/A for not applicable

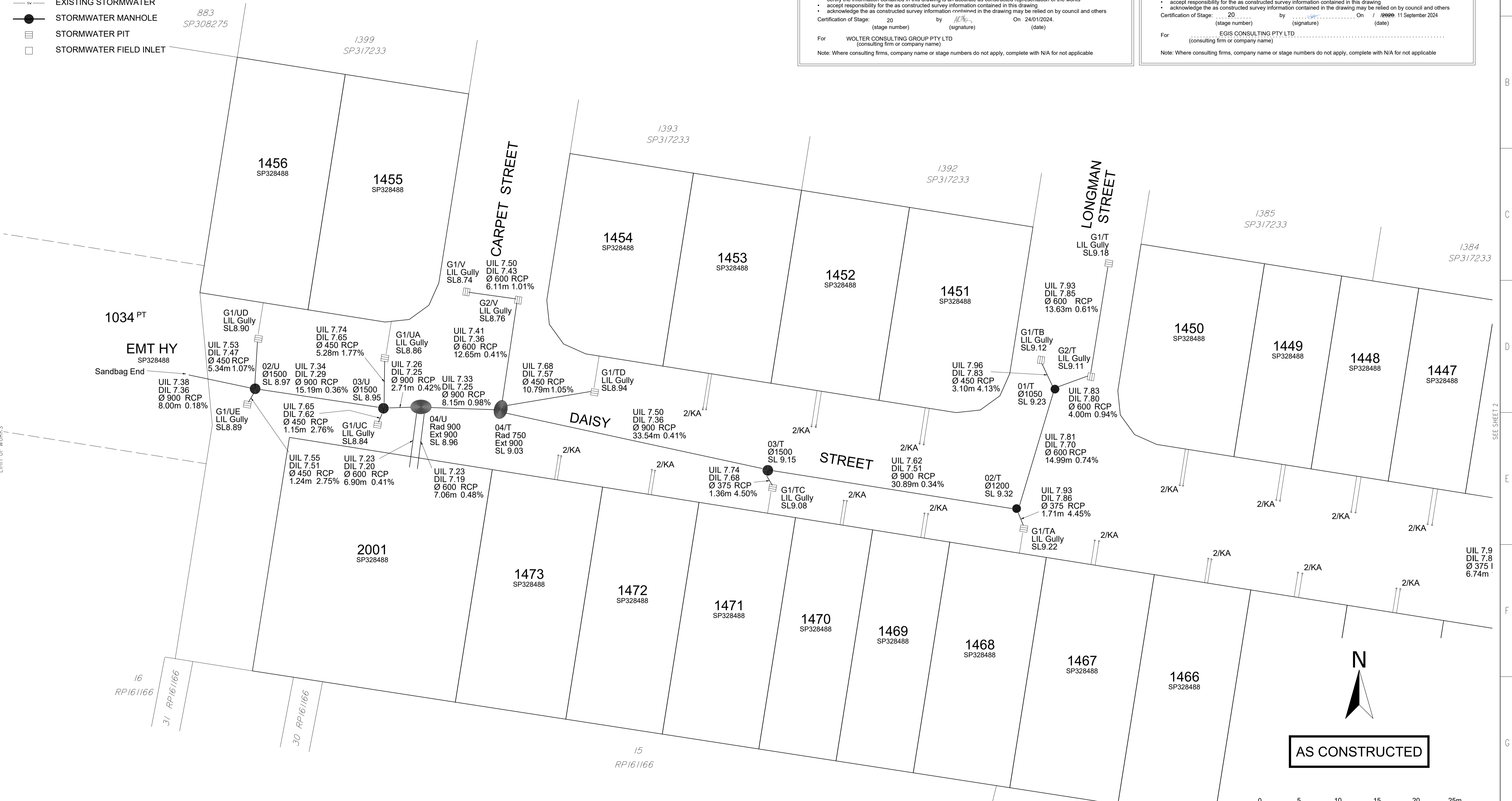
Engineers As Constructed Certification

I: Oliver Hartigan (engineers name) 27508 (RPEQ number)
 being a certified/registered engineer and duly authorised representative of:
 EGIS CONSULTING PTY LTD (consulting firm or company name)

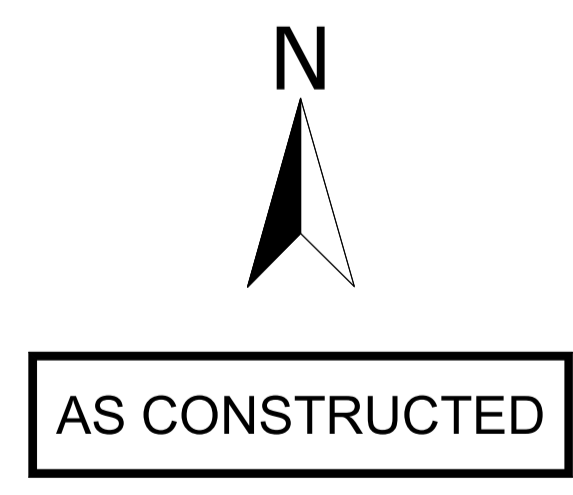
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AS CONSTRUCTED

SB3594-20-101-AC-B

DRAWING REVISIONS		REFERENCE DRAWINGS		DESIGN FILE No.	DESIGNED
REV.	REVISION DESCRIPTION	DRG. No.	DESCRIPTION	CONSTRUCT. No.	DATE
A	AS CONSTRUCTED				JC
B	AS CONSTRUCTED - UPDATES			SB35945/20	13.03.2024
					BA
					13.03.2024

WOLTER consulting group

Planning Urban Design Landscape Environment Surveying

Brisbane: Level 2, 1 Breakfast Ck Road, Newstead, QLD 4006 Phone: (07) 3666 5200

SCALE 1:250 ORIGINAL SIZE A1

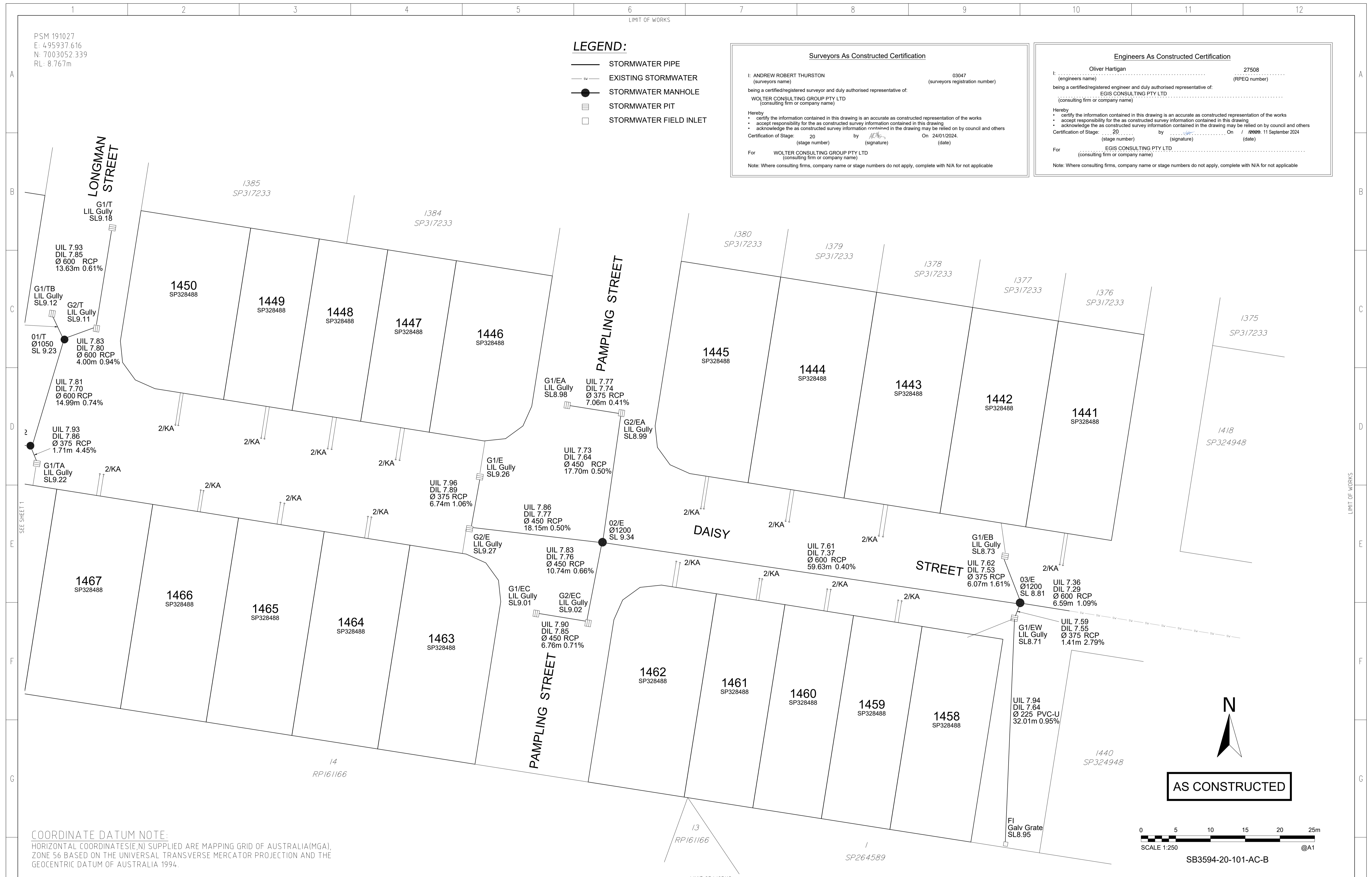
CITY OF MORETON BAY

MORETON BAY CITY
 CABOOLTURE DISTRICT OFFICE
 2 HASKING STREET CABOOLTURE QLD 4510
 PO BOX 159 CABOOLTURE QLD 4510
 Telephone: (07) 3205 0555
 Email: council@moretonbay.qld.gov.au

RIVERBANK ESTATE

STAGE 20
 AS CONSTRUCTED
 DRAINAGE

SUBDIVISION REFERENCE	
DA/2021/0056	
No. 1 OF 6 PLANS	
ASCAN GRID NUMBER	REV.
-	B



- LEGEND:**
- STORMWATER PIPE
 - EXISTING STORMWATER
 - STORMWATER MANHOLE
 - ☐ STORMWATER PIT
 - ☐ STORMWATER FIELD INLET

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Engineers As Constructed Certification

Oliver Hartigan 27508 (engineers name) (RPEQ number)
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A	AS CONSTRUCTED			SB35945/20	JC
B	AS CONSTRUCTED - UPDATES				
				FIELD BOOK	DATE 13.03.2024
				LOG BOOK	CHECKED BA
				LEVEL DATUM	DATE 13.03.2024
				DATUM	AHD Datum

WOLTER consulting group

Planning Urban Design Landscape Environment Surveying

Brisbane: Level 2, 1 Breakfast Ck Road, Newstead, QLD 4006 Phone: (07) 3666 5200

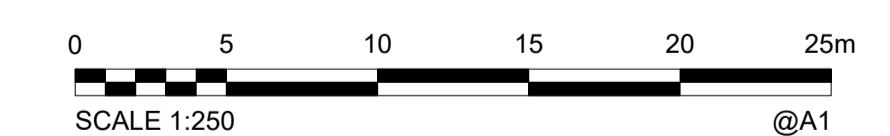
SCALE 1:250 ORIGINAL SIZE A1

CITY OF MORETON BAY

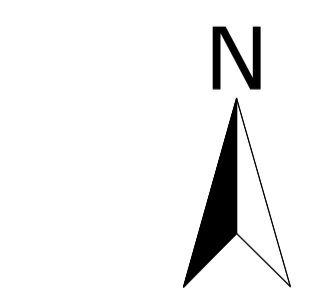
MORETON BAY CITY CABOOLTURE DISTRICT OFFICE
 2 HASKING STREET CABOOLTURE QLD 4510
 PO BOX 159 CABOOLTURE QLD 4510
 Telephone: (07) 3205 0555
 Email: council@moretonbay.qld.gov.au

RIVERBANK ESTATE
 STAGE 20
 AS CONSTRUCTED
 DRAINAGE

SUBDIVISION REFERENCE	
DA/2021/0056	
No. 2 OF 6 PLANS	
ASCON GRID NUMBER	REV.
-	B



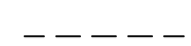
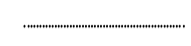
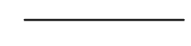
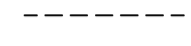
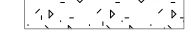
AS CONSTRUCTED



SB3594-20-101-AC-B

PSM 191027
E: 495937.616
N: 7003052.339
RL: 8.767m

LEGEND:

-  KERB LIP
-  KERB INVERT
-  KERB BACK
-  SUB-SOIL DRAIN
-  CONCRETE PATH

Surveyors As Constructed Certification

I: ANDREW ROBERT THURSTON (surveyors name) 03047 (surveyors registration number)
 being a certified/registered surveyor and duly authorised representative of:
 WOLTER CONSULTING GROUP PTY LTD (consulting firm or company name)

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Certification of Stage: 20 (stage number) by [Signature] (signature) On 24/01/2024 (date)

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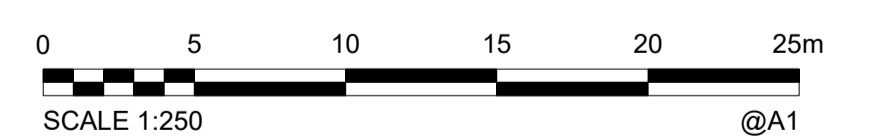
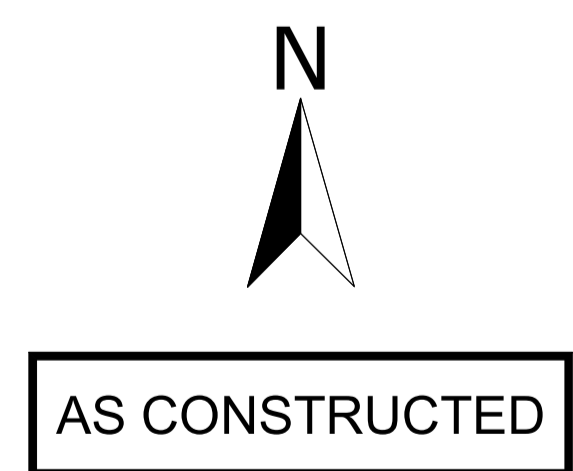
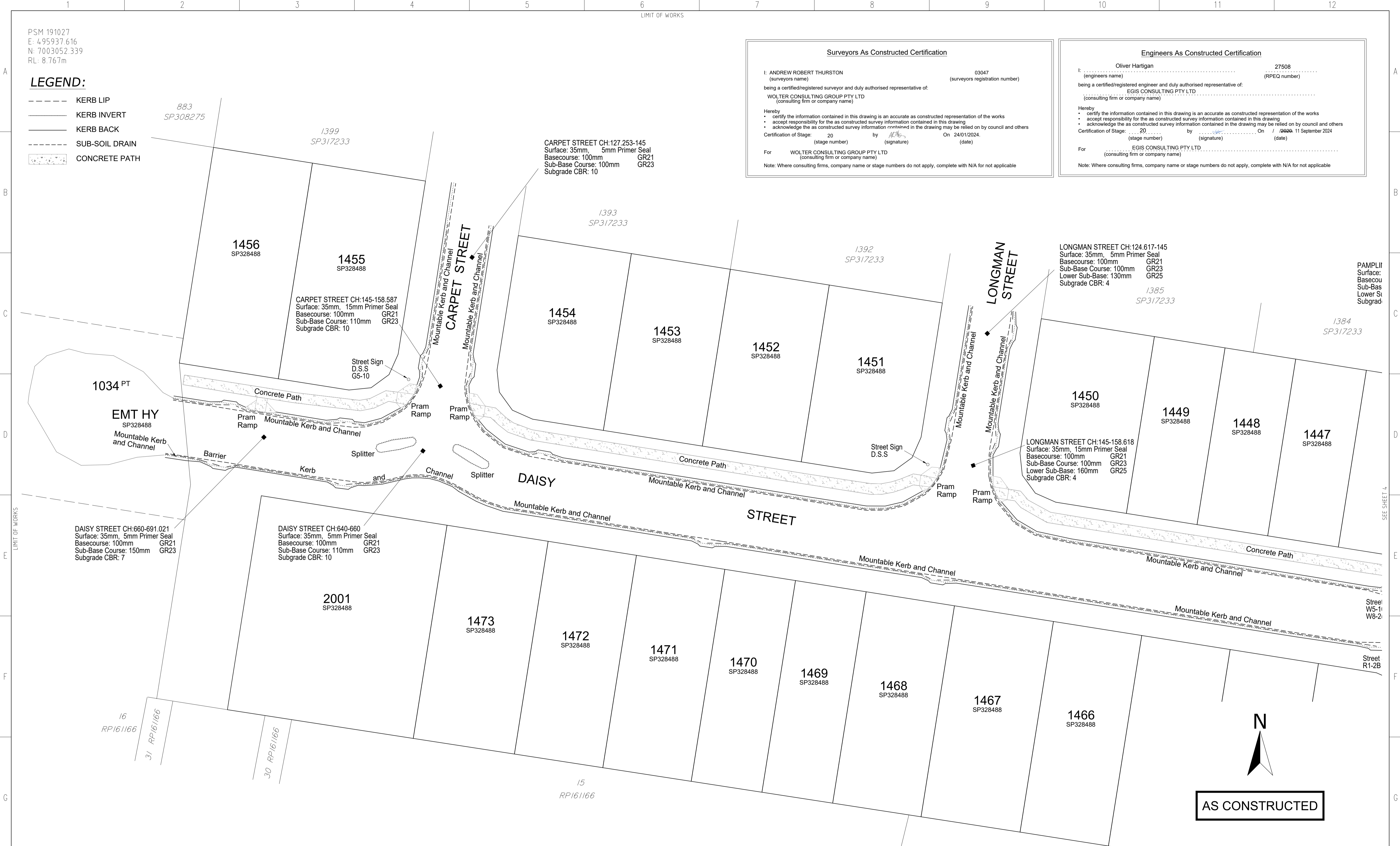
Engineers As Constructed Certification

I: Oliver Hartigan (engineers name) 27508 (RPEQ number)
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SB3594-20-101-AC-B

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DRAWING REVISIONS		REFERENCE DRAWINGS		DESIGN FILE No.	DESIGNED	
REV.	REVISION DESCRIPTION	DRG. No.	DESCRIPTION	CONSTRUCT. No.	DATE	
A	AS CONSTRUCTED					JC
B	AS CONSTRUCTED - UPDATES					BA

FIELD BOOK	LOG BOOK	LEVEL DATUM	DATUM	DATE
		AHD	Datum	13.03.2024

LIMIT OF WORKS

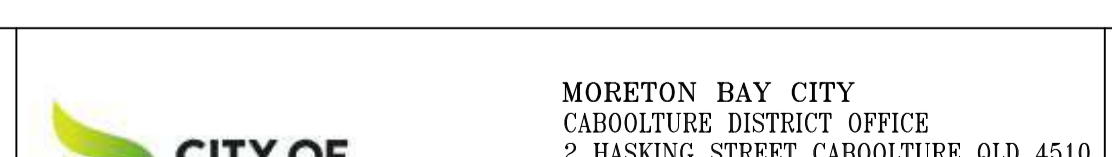


WOLTER consulting group

Planning Urban Design Landscape Environment Surveying

Brisbane: Level 2, 1 Breakfast Ck Road, Newstead, QLD 4006 Phone: (07) 3666 5200

SCALE 1:250 ORIGINAL SIZE A1



CITY OF MORETON BAY

MORETON BAY CITY
 CABOOLTURE DISTRICT OFFICE
 2 HASKING STREET CABOOLTURE QLD 4510
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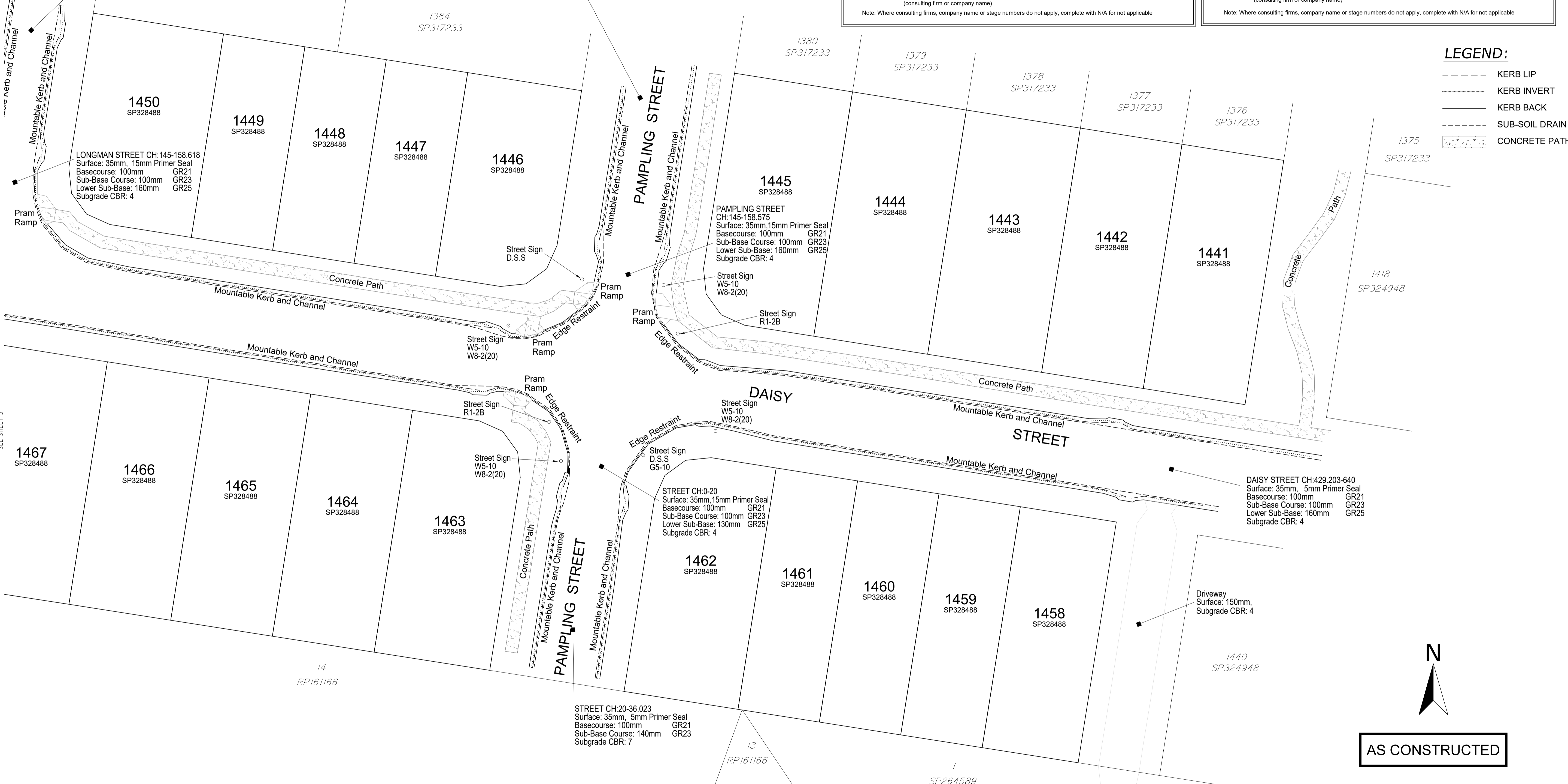
RIVERBANK ESTATE
 STAGE 20
 AS CONSTRUCTED
 ROADS

SUBDIVISION REFERENCE	
DA/2021/0056	
No. 3 OF 6 PLANS	
ASCON GRID NUMBER	REV.
-	B

PSM 191027
E: 495937.616
N: 7003052.339
RL: 8.767m

LONGMAN STREET
LONGMAN STREET CH:124.617-145
Surface: 35mm, 5mm Primer Seal
Basecourse: 100mm GR21
Sub-Base Course: 100mm GR23
Lower Sub-Base: 130mm GR25
Subgrade CBR: 4

PAMPLING STREET CH:127.250-145
Surface: 35mm, 5mm Primer Seal
Basecourse: 100mm GR21
Sub-Base Course: 100mm GR23
Lower Sub-Base: 130mm GR25
Subgrade CBR: 4

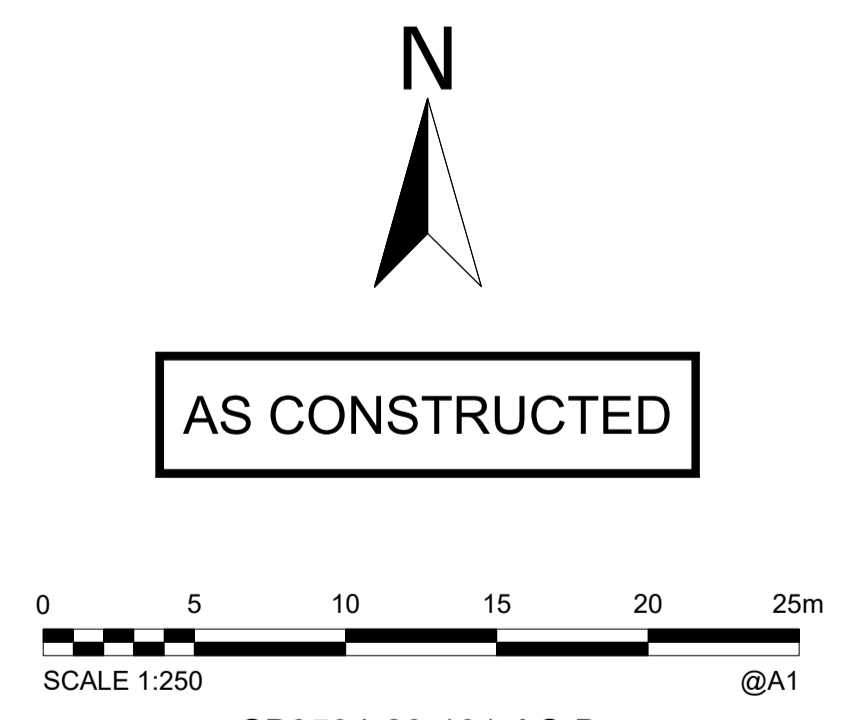


Surveyors As Constructed Certification
I: ANDREW ROBERT THURSTON (surveyors name) 03047 (surveyors registration number)
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Certification of Stage: 20 (stage number) by [Signature] (signature) On 11 September 2024 (date)

LEGEND:
--- KERB LIP
--- KERB INVERT
--- KERB BACK
--- SUB-SOIL DRAIN
[Pattern] CONCRETE PATH

COORDINATE DATUM NOTE:
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DRAWING REVISIONS		REFERENCE DRAWINGS		DESIGN FILE No.	DESIGNED
REV.	REVISION DESCRIPTION	DRG. No.	DESCRIPTION	CONSTRUCT. No.	DATE
A	AS CONSTRUCTED				JC
B	AS CONSTRUCTED - UPDATES			SB35945/20	13.03.2024
					BA
					13.03.2024

WOLTER consulting group
Planning Urban Design Landscape Environment Surveying
Brisbane: Level 2, 1 Breakfast Ck Road, Newstead, QLD 4006 Phone: (07) 3666 5200

SCALE 1:250 ORIGINAL SIZE A1

CITY OF MORETON BAY
MORETON BAY CITY CABOOLTURE DISTRICT OFFICE
2 HASKING STREET CABOOLTURE QLD 4510
PO BOX 159 CABOOLTURE QLD 4510
Telephone: (07) 3205 0555
Email: council@moretonbay.qld.gov.au

RIVERBANK ESTATE
STAGE 20
AS CONSTRUCTED
ROADS

SUBDIVISION REFERENCE	
DA/2021/0056	
No. 4 OF 6 PLANS	
ASCEN GRID NUMBER	REV.
-	B

PSM 191027
E: 495937.616
N: 7003052.339
RL: 8.767m

- LEGEND:**
- CONTOUR
 - - - CHANGE OF GRADE
 - TOP OF BANK
 - - - BOTTOM OF BANK
 - 55.83 ✕ SPOT HEIGHT

Surveyors As Constructed Certification

I: ANDREW ROBERT THURSTON (surveyors name) 03047 (surveyors registration number)
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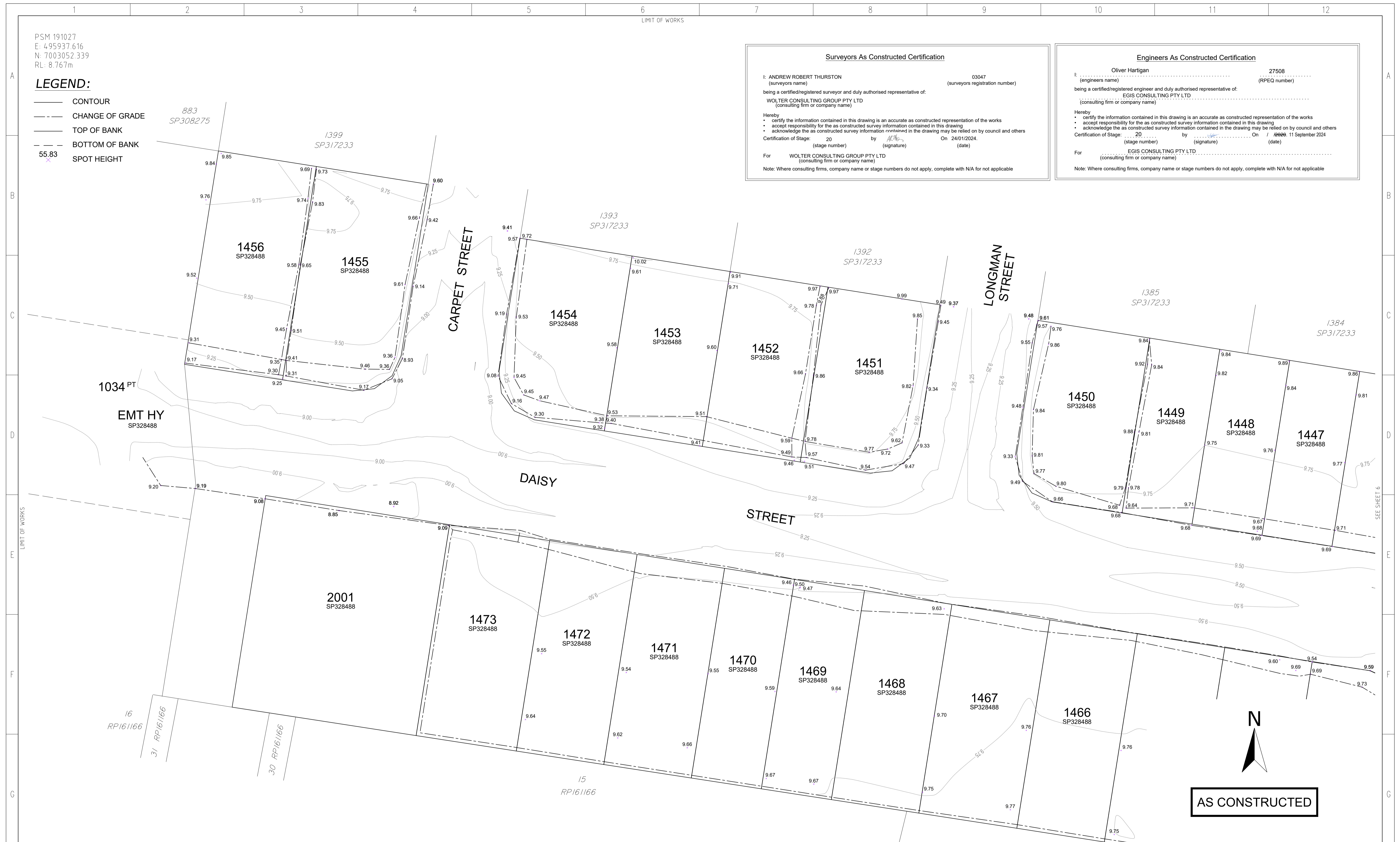
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 ZONE 56 BASED ON THE UNIVERSAL TRANSVERSE MERCATOR PROJECTION AND THE
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DRAWING REVISIONS		REFERENCE DRAWINGS		DESIGN FILE No.	DESIGNED
REV.	REVISION DESCRIPTION	DRG. No.	DESCRIPTION	CONSTRUCT. No.	DATE
A	AS CONSTRUCTED			SB35945/20	JC
B	AS CONSTRUCTED - UPDATES				13.03.2024
					13.03.2024

LIMIT OF WORKS

WOLTER
consulting group

Planning Urban Design Landscape Environment Surveying

Brisbane: Level 2, 1 Breakfast Ck Road, Newstead, QLD 4006 Phone: (07) 3666 5200

SCALE 1:250 ORIGINAL SIZE A1

CITY OF MORETON BAY

MORETON BAY CITY
 CABOOLTURE DISTRICT OFFICE
 2 HASKING STREET CABOOLTURE QLD 4510
 PO BOX 159 CABOOLTURE QLD 4510
 Telephone: (07) 3205 0555
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RIVERBANK ESTATE
 STAGE 20
 AS CONSTRUCTED
 SURFACE

SUBDIVISION REFERENCE	
DA/2021/0056	
No. 5 OF 6 PLANS	
ASCAN GRID NUMBER	REV.
-	B

PSM 191027
E: 495937.616
N: 7003052.339
RL: 8.767m

- LEGEND:**
- CONTOUR
 - - - CHANGE OF GRADE
 - TOP OF BANK
 - - - BOTTOM OF BANK
 - 55.83 SPOT HEIGHT

Surveyors As Constructed Certification

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A	AS CONSTRUCTED				JC
B	AS CONSTRUCTED - UPDATES			SB35945/20	13.03.2024
				FIELD BOOK	CHECKED BA
				LOG BOOK	DATE 13.03.2024
				LEVEL DATUM	DATE
				Datum	

WOLTER consulting group

Planning Urban Design Landscape Environment Surveying

Brisbane: Level 2, 1 Breakfast Cl Road, Newstead, QLD 4006 Phone: (07) 3666 5200

SCALE 1:250 ORIGINAL SIZE A1

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RIVERBANK ESTATE
 STAGE 20
 AS CONSTRUCTED
 SURFACE

SUBDIVISION REFERENCE	
DA/2021/0056	
No. 6 OF 6 PLANS	
ASCEN GRID NUMBER	REV.
-	B