

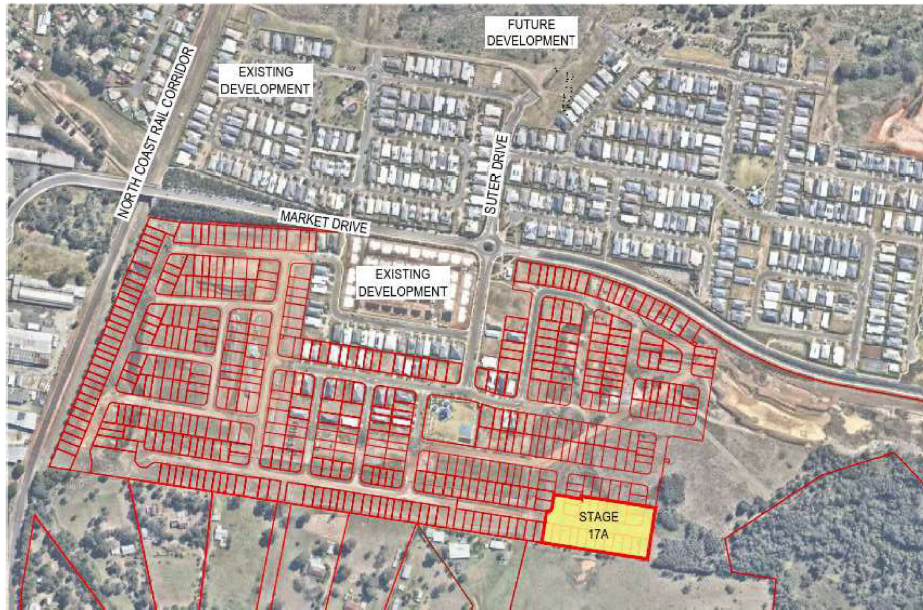
PSM 191027
 E: 495937 616
 N: 7003052 339
 RL: 8.767m



UNITYWATER PROJECT NUMBER 20-000761.1

MARKET DRIVE, CABOOLTURE SOUTH

DN160/DN150 SEWER/WATER MAIN



DRAWING INDEX	
DRAWING NUMBER	DESCRIPTION
U-2022-3972 Sheet 1	LOCALITY PLAN AND DRAWING INDEX
U-2022-3972 Sheet 2	WATER RETICULATION
U-2022-3972 Sheet 3	SEWER RETICULATION
U-2022-3972 Sheet 4	SEWER RETICULATION
U-2022-3972 Sheet 5	SEWER RETICULATION

ENGINEER'S CERTIFICATION

_____ **mahdi farasat** _____ 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 S&B Code.
- This represents an accurate record of as-constructed works.
- I accept responsibility for the information contained in this drawing / document.

_____ **mahdi farasat** _____
 RPEB (signature) RPEB No. 21992 Date: 13-06-2023

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 in-situ.

_____ **Andrew Robert Thurston** _____
 Registered Surveyor (Eng) Reg. Surveyor No. 03043 Date: 09/05/2023

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

INDEX	DATE	REVISIONS	DRAWN	CHECKED	PASSED	INITIALS	DATE
A1	02/05/2023	AS CONSTRUCTED - TRUNK SEWER SURFACE LEVELS UPDATED	JTC	AD	ART		
	02/05/2023	AS CONSTRUCTED - TEMP FH ADDED	JTC	AD	ART		
	07/03/2023	AS CONSTRUCTED SEWER UPDATES	JTC	AD	ART	DRAWN	JTC 09/05/2023
	27/12/2022	AS CONSTRUCTED-SEWER HL LEVELS UPDATED	JTC	AD	ART	CHECKED	AD 09/05/2023
	21/12/2022	AS CONSTRUCTED-MINOR UPDATES TO SEWER AND WATER	JTC	AD	ART	PASSED	ART 09/05/2023

WOLTER
consulting group

Planning Urban Design Landscapes Environment Surveying

Brisbane Level 2, 1 Breaker Ct Road, Newstead, QLD 4006 Phone: 07 56663200

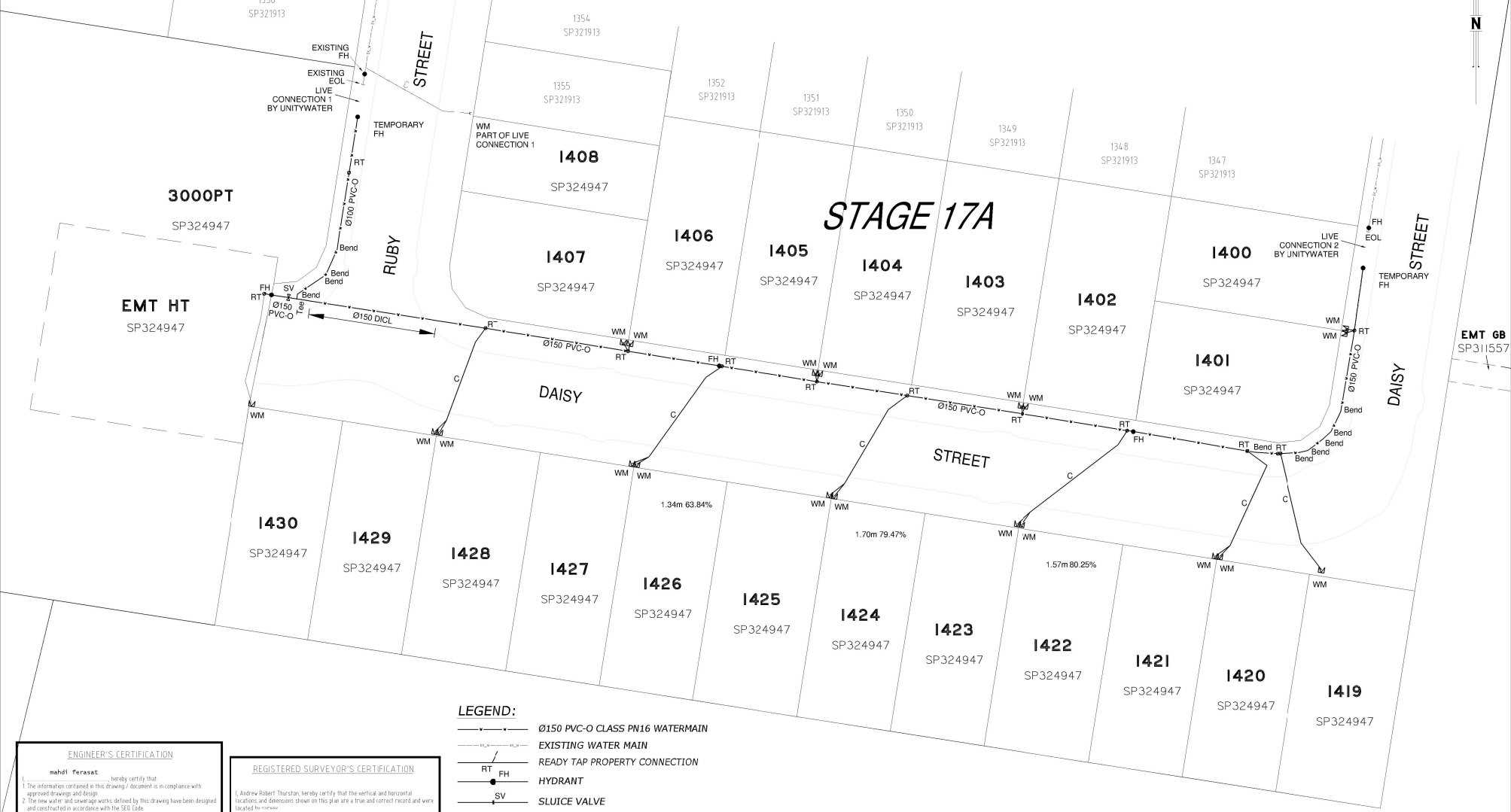
Unitywater

Unitywater

20-000761.1
 RIVERBANK STAGE 17A
 WATERSIDE ESPLANADE
 COVER SHEET

SHEET 4 OF 1 SHEETS	SCALE
REVISION DATE 09/05/2023	REVISION F
DISCIPLINE CODE C	
DRAWING NO. U-2022-3972	

PSM 191027
 E: 495937.616
 N: 7003052.339
 RL: 8.767m
 1358
 SP321913



3000PT
 SP324947
 EMT HT
 SP324947

EMT GB
 SP311557

ENGINEER'S CERTIFICATION
 mahdi farasat
 I, mahdi farasat, hereby certify that
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 4. I accept responsibility for the information contained in this drawing / document.
 mahdi farasat
 21992 Date 13-06-2023
 RP03 (signature) RP13 No. Date

REGISTERED SURVEYOR'S CERTIFICATION
 I, Andrew Robert Thurstan, hereby certify that the vertical and horizontal locations and dimensions shown on this plan are a true and correct record and were located by me.
 Andrew R Thurstan
 Registered Surveyor (Sig) Reg. Surveyor No: 02647 Date: 09/05/2023

- LEGEND:**
- Ø150 PVC-O CLASS PN16 WATERMAIN
 - EXISTING WATER MAIN
 - READY TAP PROPERTY CONNECTION
 - FH HYDRANT
 - SV SLUICE VALVE
 - TAPER/REDUCER
 - END CAP
 - WATER SERVICE PIPE
 - WM WATER SERVICE METER
 - C WATER SERVICE CONDUIT 1000 PVC-U CLASS PN9

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

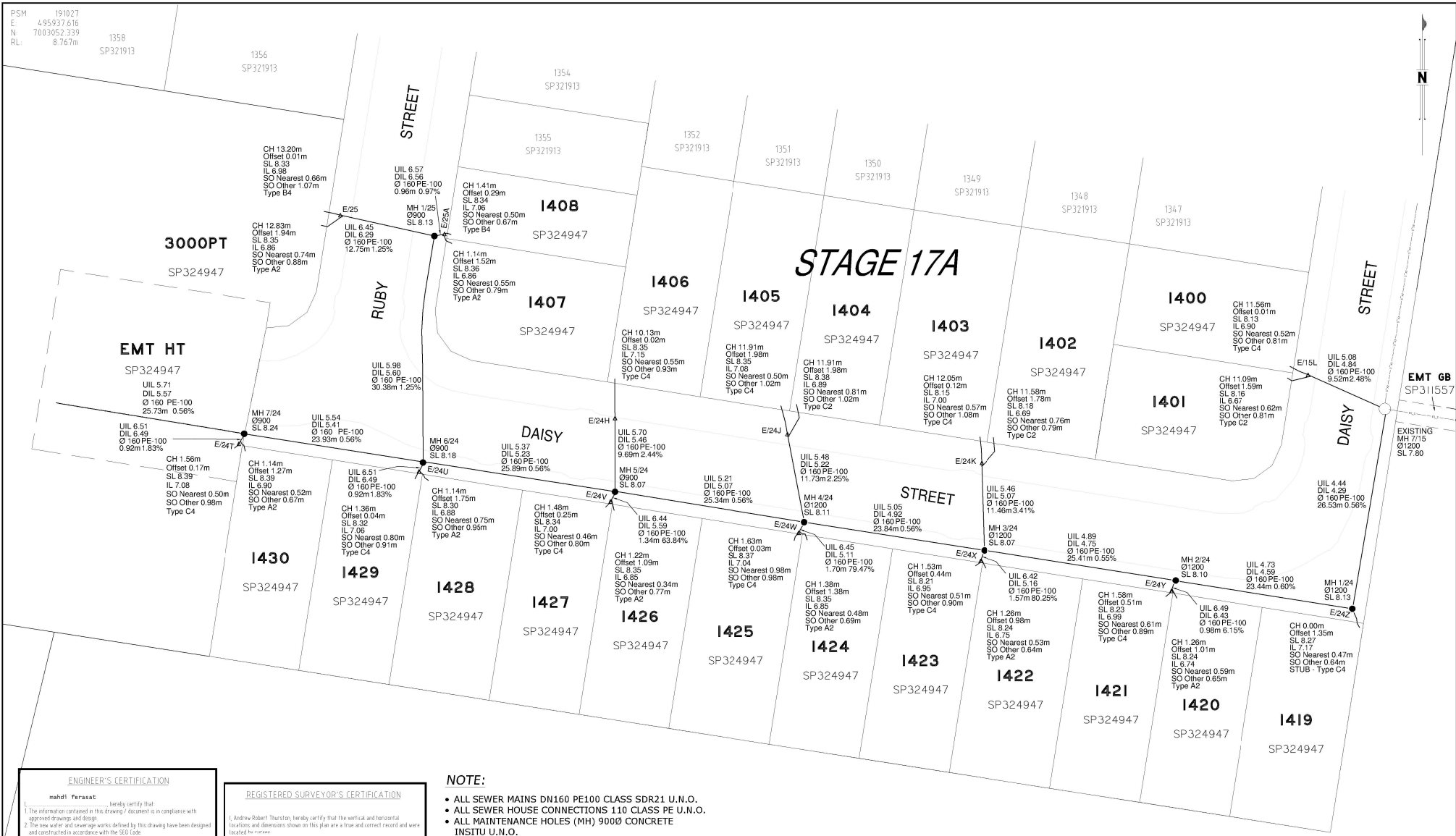
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F	02/05/2023	AS CONSTRUCTED - TRUNK SEWER SURFACE LEVELS UPDATED	JTC	AD	ART		
E	02/05/2023	AS CONSTRUCTED - TEMP FH ADDED	JTC	AD	ART		
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C	27/12/2022	AS CONSTRUCTED - SEWER HC LEVELS UPDATED	JTC	AD	ART		
B	21/12/2022	AS CONSTRUCTED - MINOR UPDATES TO SEWER AND WATER	JTC	AD	ART		

WOLTER consulting group
 Planning Urban Design Landscape Environment Surveying
 Brisbane Level 2, 1 Brisbane Ck Road, Newstead, QLD 4006 Phone: 0713661020



Unitywater
 20-0007611
 RIVERBANK STAGE 17A
 WATERSIDE ESPLANADE
 WATER RETICULATION

SHEET 2 OF 5 SHEETS	SCALE 1:250
REVISION DATE 09/05/2023	REVISION F
DISCIPLINE CODE C	
DRAWING NO U-2022-3972	



ENGINEER'S CERTIFICATION

mahdi ferasat, hereby certify that:

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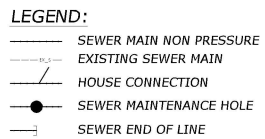
Signature: mahdi ferasat Date: 13-06-2023
 RPEQ (signature) RPEQ No. 21992 Date: 13-06-2023

REGISTERED SURVEYOR'S CERTIFICATION

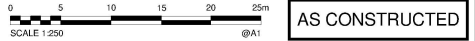
I, Andrew Robert Thurston, hereby certify that the vertical and horizontal locations and dimensions shown on this plan are a true and correct record and were located by me.

Signature: Andrew Robert Thurston
 Registered Surveyor (Sig) Reg. Surveyor No: 032647 Date: 09/05/2023

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



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

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B	21/12/2022	AS CONSTRUCTED - MINOR UPDATES TO SEWER AND WATER	JTC	AD	ART		

WOLTER consulting group

Planning Urban Design Landscape Environments

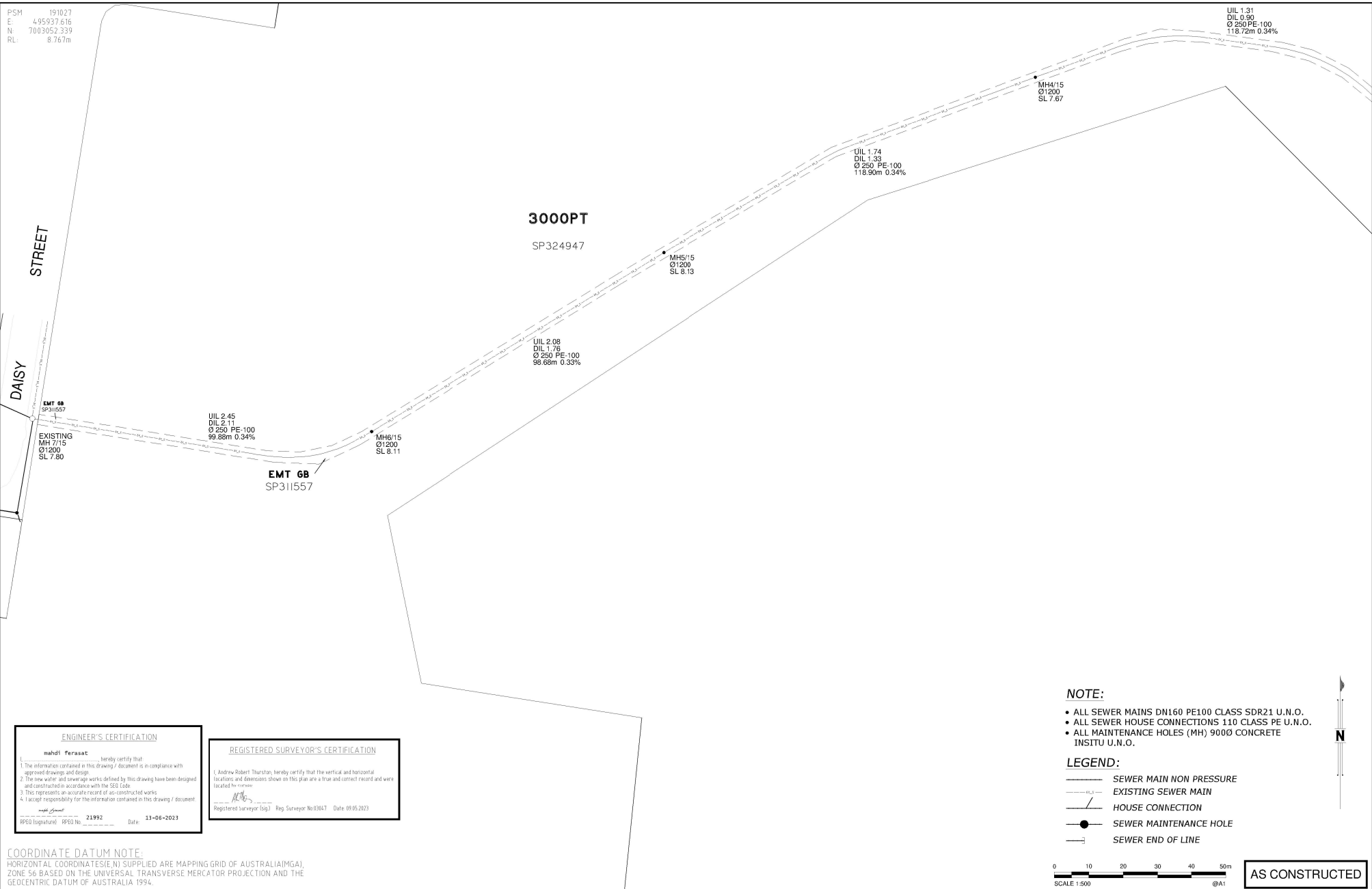
Brisbane Level 2, 1 Breakfast Ck Road, Newstead, QLD 4006 Phone: (07) 3662 5200



Unitywater

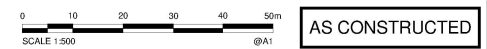
20-0007611
 RIVERSIDE STAGE 17A
 WATERSIDE ESPLANADE
 SEWER RETICULATION

SHEET 3 OF 5 SHEETS	SCALE 1:250
REVISION DATE 09/05/2023	REVISION F
DISCIPLINE CODE C	
DRAWING NO U-2022-3972	



- NOTE:**
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 - ALL SEWER HOUSE CONNECTIONS 110 CLASS PE U.N.O.
 - ALL MAINTENANCE HOLES (MH) 9000 CONCRETE INSTU U.N.O.

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



ENGINEER'S CERTIFICATION

mahdi ferasat

I, mahdi ferasat, 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 S&E Code.
3. This represents an accurate record of as-constructed works.
4. I accept responsibility for the information contained in this drawing / document.

Signature: mahdi ferasat Date: 13-06-2023
RPSO (signature) RPSO No: 21992 Date: 13-06-2023

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 me.

Signature: Andrew Robert Thurston Registered Surveyor (Sig) Reg. Surveyor No: 03647 Date: 09.05.2023

COORDINATE DATUM NOTE:
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B	21.12.2022	AS CONSTRUCTED-MINOR UPDATES TO SEWER AND WATER	JTC	AD	ART	PASSED	ART 09.05.2023

WOLTER consulting group

Planning Urban Design Landscape Environment Surveying

Brisbane Level 2, 1 Breakfast Ck Road, Northside, QLD 4006 Phone: 0713661020

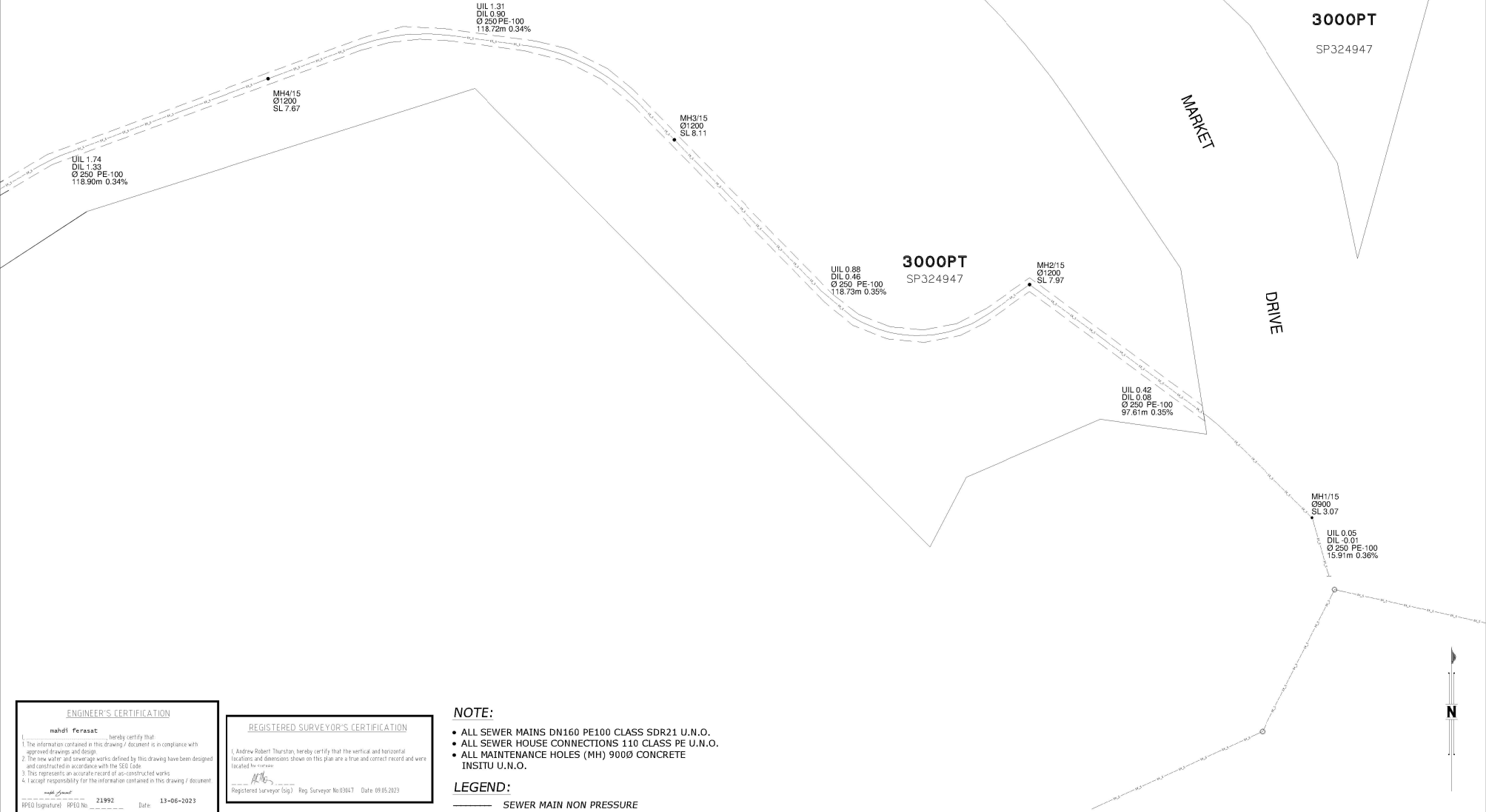
Unitywater

Unitywater

20-0007611
RIVERBANK STAGE 17A
WATERSIDE ESPLANADE
SEWER RETICULATION

SHEET 4 OF 5 SHEETS	SCALE 1:500
REVISION DATE 09.05.2023	REVISION F
DISCIPLINE CODE C	
DRAWING NO U-2022-3972	

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



ENGINEER'S CERTIFICATION
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 mahdi ferasat 21992 13-06-2023
 RPSO (signature) RPSO No. Date

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 Registered Surveyor (Sig) Reg. Surveyor No 03647 Date 09/05/2023

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

- LEGEND:**
- SEWER MAIN NON PRESSURE
 - - - EXISTING SEWER MAIN
 - / — HOUSE CONNECTION
 - SEWER MAINTENANCE HOLE
 - SEWER END OF LINE

COORDINATE DATUM NOTE:
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0 10 20 30 40 50m
 SCALE 1:500 @A1

AS CONSTRUCTED

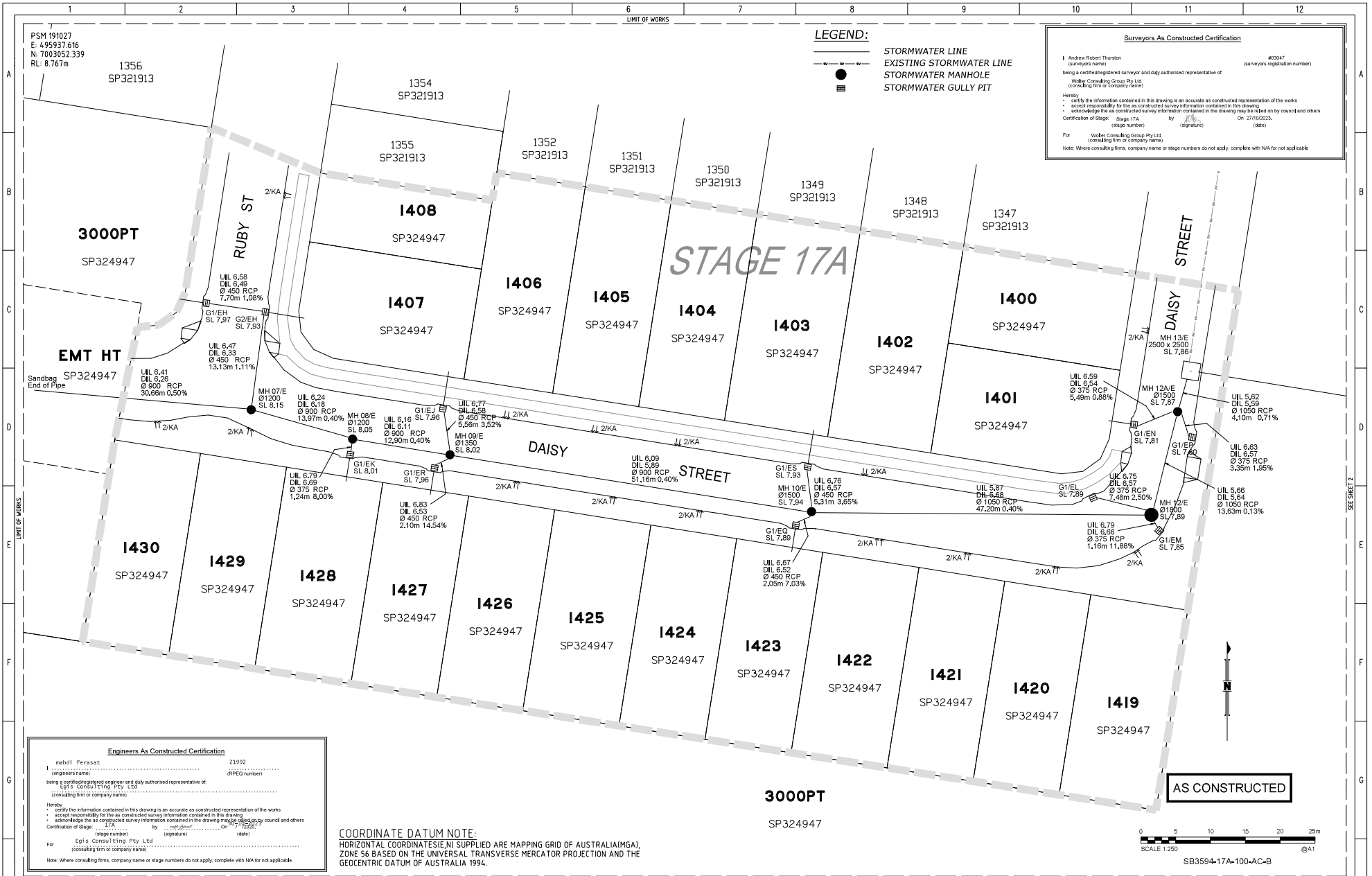
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	INDEX	DATE	REVISIONS	DRAWN	CHECKED	PASSED		INITIALS	DATE

WOLTER consulting group
 Planning Urban Design Landscape Environment Surveying
 Brisbane Level 2, 1 Breakfast Creek Road, Northside, QLD 4006 Phone: (07) 3662 0200



Unitywater
 20-0007611
 RIVERBANK STAGE 17A
 WATERSIDE ESPLANADE
 SEWER RETICULATION

SHEET 5 OF 5	SHEETS	SCALE 1:500
REVISION DATE 09/05/2023	REVISION F	
DISCIPLINE CODE C		
DRAWING NO U-2022-3972		



LEGEND:

- STORMWATER LINE
- EXISTING STORMWATER LINE
- STORMWATER MANHOLE
- STORMWATER GULLY PIT

Surveyors As Constructed Certification

I, Andrew Robert Thurston (surveyor name) #30347 (surveyor registration number) being a certified/registered surveyor and duly authorised representative of Walker 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 and accept responsibility for the as constructed survey information contained in this drawing. I acknowledge the as constructed survey information contained in the drawing may be relied on by council and others.

Certification of Stage Stage 17A by G1/EH (signature) on 27/10/2023 (stage number) (signature) (date)

For Walker 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

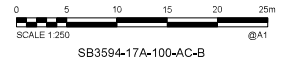
I, mahdi farazat 21992 (engineers name) (RPEQ number) being a certified/registered engineer and duly authorised representative of Epi's Consulting Pty Ltd (consulting firm or company name) Hereby certify the information contained in this drawing is an accurate as constructed representation of the works and accept responsibility for the as constructed survey information contained in this drawing. I acknowledge the as constructed survey information contained in the drawing may be relied on by council and others.

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 HORIZONTAL COORDINATES (E,N) SURVEY ARE MAPPING GRID OF AUSTRALIA (MGA), ZONE 56 BASED ON THE UNIVERSAL TRANSVERSE MERCATOR PROJECTION AND THE GEODESIC DATUM OF AUSTRALIA 1994.



DRAWING REVISIONS		REFERENCE DRAWINGS		DESIGN FILE No.		DESIGNED		CONSTRUCTING GROUP		MORETON BAY REGIONAL COUNCIL		RIVERBANK		SUBDIVISION REFERENCE	
REV.	REVISION DESCRIPTION	DRG. No.	DESCRIPTION	CONSTRUCT. No.	Ref	DATE	DATE	WOLTER consulting group	Morerton Bay Regional Council	STAGE 17A AS CONSTRUCTED DRAINAGE	DA/4194B/2020/V3RM	No. 1 OF 4 PLANS	REV.	ASCON GRID NUMBER	B
A	AS CONSTRUCTED					27.10.2023									
B	AS CONSTRUCTED - UPDATED														



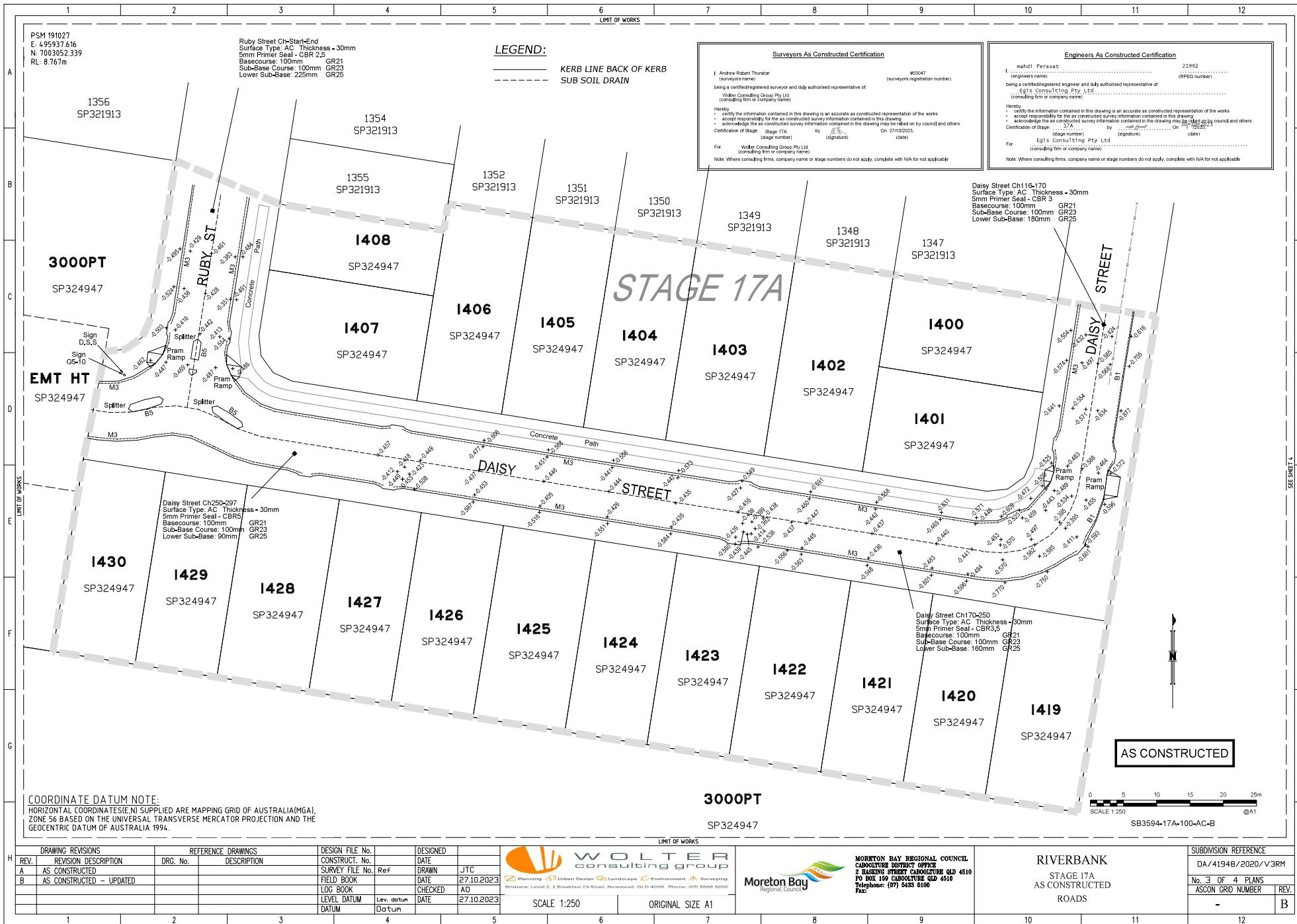
WOLTER consulting group
 Environmental Services Urban Design Landscape Architecture Surveying



MORETON BAY REGIONAL COUNCIL
 CABOULTURE DISTRICT OFFICE
 2 HASSING STREET CABOULTURE QLD 4510
 PO BOX 156 CABOULTURE QLD 4510
 Telephone: (07) 5453 0100 Fax: (07) 5453 0100

RIVERBANK
 STAGE 17A AS CONSTRUCTED DRAINAGE

SUBDIVISION REFERENCE
 DA/4194B/2020/V3RM
 No. 1 OF 4 PLANS
 ASCON GRID NUMBER



DRAWING REVISIONS		REFERENCE DRAWINGS		DESIGN FILE No.	DESIGNED		
REV.	REVISION DESCRIPTION	DRG. No.	DESCRIPTION	CONSTRUCT. No.	DATE	DATE	
A	AS CONSTRUCTED			SURVEY FILE No.	DRAWN	JTC	
B	AS CONSTRUCTED - UPDATED			FIELD BOOK	DATE	27.10.2023	
				LOG BOOK	CHECKED	AD	
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				DATUM	DATE		

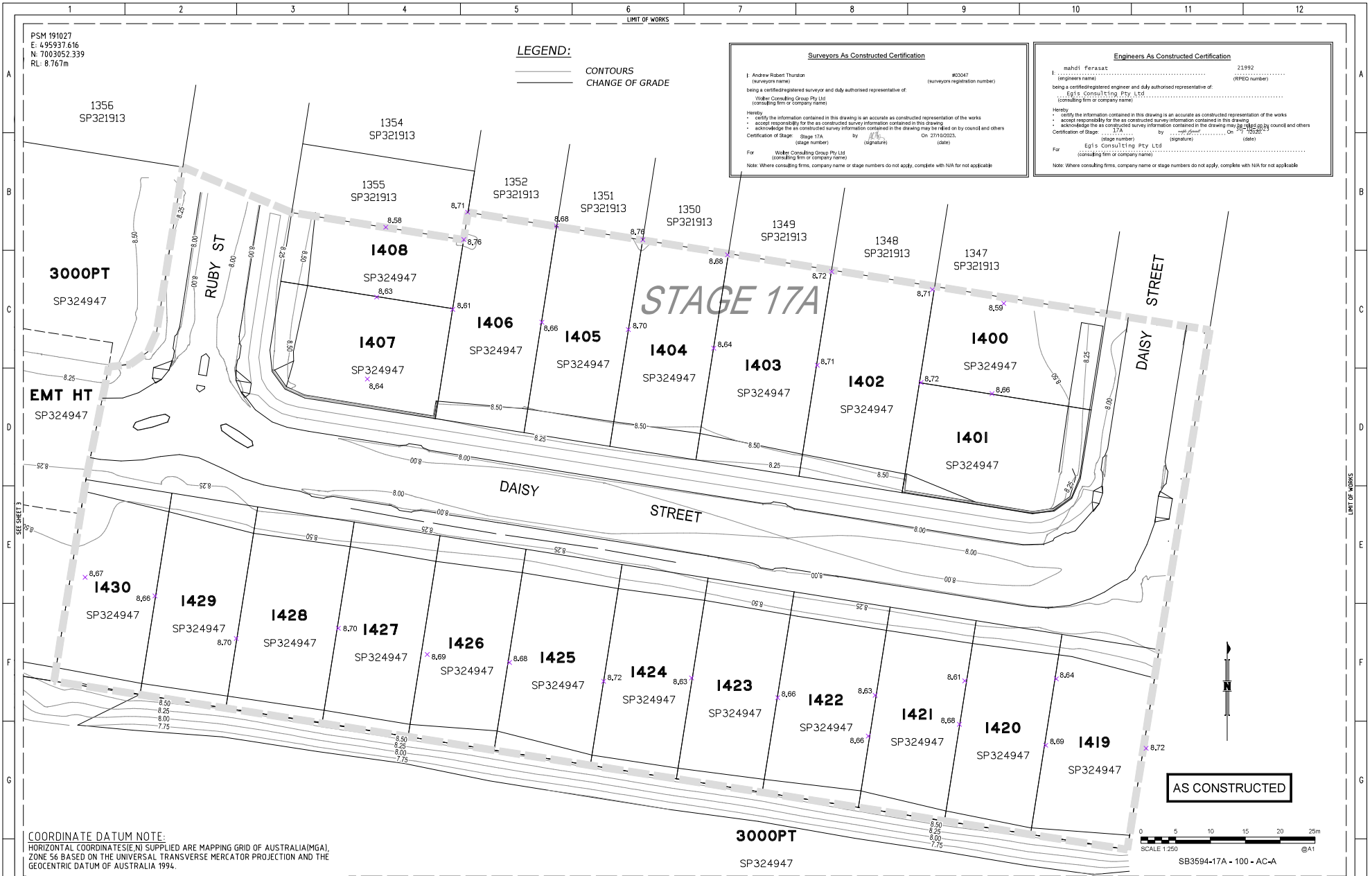
WOLTER consulting group
 Planning Urban Design Landscape Environment Surveying
 Brisbane Level 2, 3 Broadmead CB Rowland, Newstead, QLD 4006 Phone: (07) 3566 2000

Moreton Bay Regional Council

MORETON BAY REGIONAL COUNCIL
 COUNCILLOR DISTRICT OFFICE
 2 HASSING STREET CABBOTGURVE QLD 4510
 PO BOX 156 CABBOTGURVE QLD 4510
 Telephone: (07) 5483 0100
 Fax:

RIVERBANK
 STAGE 17A
 AS CONSTRUCTED
 ROADS

SUBDIVISION REFERENCE	
DA/41948/2020/V3RM	
No. 3 OF 4 PLANS	REV.
ASCON GRID NUMBER	B



DRAWING REVISIONS		REFERENCE DRAWINGS		DESIGN FILE No.		DESIGNED		WOLTER consulting group		MORETON BAY REGIONAL COUNCIL		RIVERBANK		SUBDIVISION REFERENCE	
REV.	REVISION DESCRIPTION	DRG. No.	DESCRIPTION	CONSTRUCT. No.	Ref	DATE	JTC	Planning	Urban Design	Transport	Engineering	Stage 17A	AS CONSTRUCTED	DA/41948/2020/V3RM	
A	AS CONSTRUCTED					27.10.2023	JTC								
B	AS CONSTRUCTED - UPDATED					AD									
						27.10.2023									

SCALE 1:250 ORIGINAL SIZE A1

MORETON BAY REGIONAL COUNCIL
 COUNCIL DISTRICT OFFICE
 2 HASSING STREET CAROLTON QLD 4510
 PO BOX 156 CAROLTON QLD 4510
 Telephone: (07) 5453 0100 Fax: