

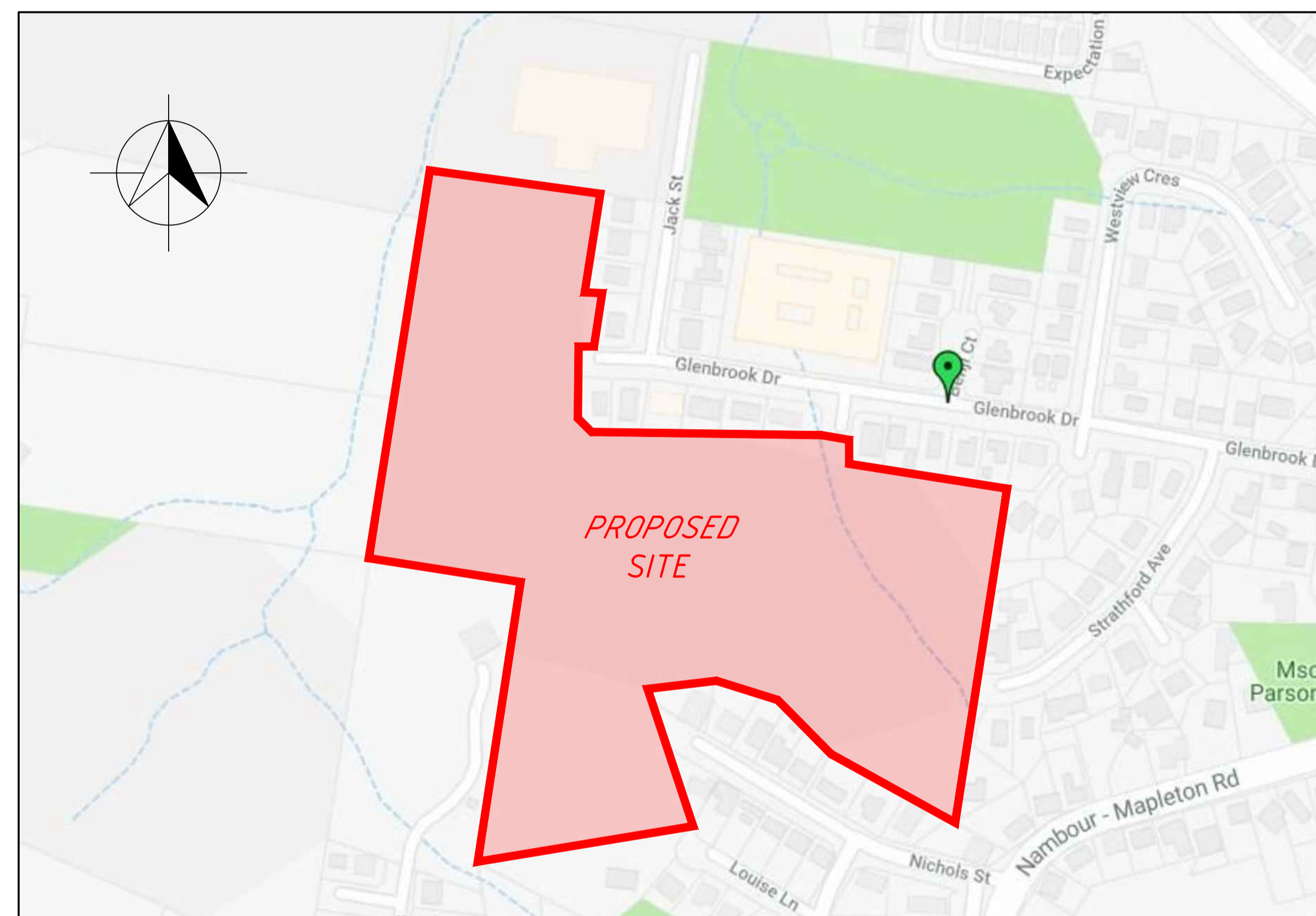
NOT FOR CONSTRUCTION

# 41 GLENBROOK DRIVE, NAMBOUR

LOT 2 ON SP273404

## UNITYWATER – WATER AND SEWER

LIST OF DRAWINGS		
PROJECT No.	DRAWING No.	DRAWING TITLE
C3602	CA100	COVERSHEET
C3602	CA300	PROJECT GENERAL NOTES
C3602	CS100	SEWER RETICULATION LAYOUT PLAN SHEET 1 OF 3
C3602	CS101	SEWER RETICULATION LAYOUT PLAN SHEET 2 OF 3
C3602	CS102	SEWER RETICULATION LAYOUT PLAN SHEET 3 OF 3
C3602	CS103	SEWER RETICULATION LONG SECTIONS SHEET 1 OF 3
C3602	CS104	SEWER RETICULATION LONG SECTIONS SHEET 2 OF 3
C3602	CS105	SEWER RETICULATION LONG SECTIONS SHEET 3 OF 3
C3602	CS106	SEWER RETICULATION DETAILS
C3602	CW100	WATER RETICULATION LAYOUT PLAN SHEET 1 OF 3
C3602	CW101	WATER RETICULATION LAYOUT PLAN SHEET 2 OF 3
C3602	CW102	WATER RETICULATION LAYOUT PLAN SHEET 3 OF 3
C3602	CW103	WATER RETICULATION DETAILS




LOCALITY PLAN  
SCALE 1:2500



**APPROVED WITH CONDITIONS**  
 Application No: 2018012467S0  
 Signed: *Sandya Handunnetti*  
 Dated: 04/03/2021

DO NOT SCALE FROM DRAWING  
ALL SCALES ARE AS SHOWN (A1)

REV.	DESCRIPTION	DATE	INIT.
A	FOR APPROVAL	02.10.20	CA
B	RFI RESPONSE	04.03.21	JH



**MILANOVIC NEALE  
CONSULTING ENGINEERS**

BRISBANE PH No. (07) 3255 1877    IPSWICH PH No. (07) 3281 6603

**CIVIL  
STRUCTURAL  
TRAFFIC  
PROJECT MANAGEMENT**

SYDNEY PH No. 1300 827 901    GOLD COAST PH No. 1300 827 901

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CLIENT  
**PARKER PROPERTY NINGI PTY LTD**

PROJECT  
**41 GLENBROOK DRIVE, NAMBOUR**

TITLE  
**WATER AND SEWER COVERSHEET**

DRAWN	DESIGNED	DATE
CA	JH	AUG 2020
CHECKED	APPROVED	REV.
JN	<i>S. Neale</i>	B
DRAWING No. <b>C3602 - CA100</b>		REV. <b>B</b>

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**WATER RETICULATION NOTES**

- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT SOUTH-EAST QUEENSLAND SEWERAGE CODE SPECIFICATIONS AND STANDARDS.
- UNLESS SPECIFIED OTHERWISE ALL MATERIALS AND WORK SHALL COMPLY WITH THE RELEVANT AUSTRALIAN STANDARDS.
- ADOPT LIP OF KERB OR SHOULDER OF ROAD AS PERMANENT LEVEL.
- COVER ON MAINS FROM PERMANENT LEVEL TO BE AS SHOWN IN SEQ-WAT-1200-2.
- CONDUITS TO BE INSTALLED IN ACCORDANCE WITH STANDARD DRAWINGS.
- A WATER METER, SUPPLIED AT THE DEVELOPERS COST IS TO BE INSTALLED AT THE SERVICE POINT OF EACH LOT IN ACCORDANCE WITH SEQ STANDARD DRAWINGS.
- ALL MATERIAL USED IN THE WORKS SHALL COMPLY WITH LOCAL WATER AUTHORITY ACCEPTED PRODUCTS AND MATERIALS LIST OR BE APPROPRIATELY SHOWN, LISTED AND DEFINED IN THE ENGINEERING SUBMISSION SO THAT THE ALTERNATIVE PRODUCT OR MATERIAL CAN BE ASSESSED AND IF APPROPRIATE, APPROVED.
- ALL CONCRETE FOOTPATHS TO BE CLEAR OF WATER MAINS.
- TEST/CHLORINATION POINTS TO BE INSTALLED IN ACCORDANCE WITH SEQ STANDARDS.
- THE CONSTRUCTION OF THE WATER RETICULATION WORK SHOWN ON THIS DRAWING MUST BE SUPERVISED BY AN ENGINEER WHO HAS RPEQ REGISTRATION. WORKS NOT COMPLYING WITH THIS REQUIREMENT WILL NOT BE PERMITTED TO CONNECT TO THE RETICULATION SYSTEM.

**WATER EMBEDMENT TYPE:**

BEDDING TYPE D TO BE USED, UNLESS NOTED OTHERWISE. REFER SEQ-SEW-1200-2, 1201-1, 1202-1, 1203-1, 1204-1 FOR DETAILS.

ASSET REGISTER - WATER RETICULATION					
ESTATE/STAGE		41 GLENBROOK DRIVE, NAMBOUR			
SITE ADDRESS		41 GLENBROOK DRIVE, NAMBOUR			
FILE/APPLICATION		#####			
S.E.Q. SERVICE PROVIDER		###/###/####			
APPROVAL DATE					
CLIENT		PARKER PROPERTY NINGI PTY LTD			
DRAWINGS/PLAN No.		#####-CW01			
MAINS	DIAMETER	MATERIAL DESIGN		LENGTH	
	DN63	PE100			
	DN125	MPVC		322	
	DN180	PE		245	
DN200	DICL				
SERVICES	NOMINAL DIAMETER	MATERIAL DESIGN		LENGTH	
	DN40	PE			
	DN32	PE			
	DN25	PE		192.7	
METERS	DIAMETER	NUMBER			
	20	51			
	25				
	32				

SERVICE DETAILS		
No.	SIZE	LOT NUMBERS
	DN40	
	DN32	
51	DN25	1-51
	OTHER	

UNITYWATER CONNECTION No. 1		
STREET	GLENBROOK DR	
	NEAR STRATHFORD AVE EAST	
LENGTH	3m	TYPE OF MAIN DN 180 PE
DATE COMMENCED		
DATE COMPLETED		
SIGNATURE		

UNITYWATER CONNECTION No. 2		
STREET	GLENBROOK DR	
	NEAR JACK ST	
LENGTH	3m	TYPE OF MAIN DN 125 PE
DATE COMMENCED		
DATE COMPLETED		
SIGNATURE		

UNITYWATER CONNECTION No. 3		
STREET	NICHOLS ST	
	END	
LENGTH	3m	TYPE OF MAIN DN 125 PE
DATE COMMENCED		
DATE COMPLETED		
SIGNATURE		

MAIN TO BE DISUSED					
STREET	DIA.	TYPE	LENGTH	FOLIO/YEAR	F.H.
STRATHFORD WEST	100	DI	22	UNK	NIL

**TRAFFIC MANAGEMENT:**  
PRIOR TO THE COMMENCEMENT OF WORK THE CONTRACTOR SHALL ARRANGE FOR AN APPROVED TRAFFIC PLAN AND SEEK APPROVAL FROM THE LOCAL AUTHORITY TRAFFIC MANAGEMENT SECTION. WORK MAY BE REQUIRED TO BE CARRIED OUT DURING WEEKENDS AND / OR LATE AT NIGHT ONLY.

**ENVIRONMENTAL PROTECTION:**  
ALL ENVIRONMENT PROTECTION MEASURES SHOULD BE IMPLEMENTED PRIOR TO COMMENCING ANY CONSTRUCTION WORK, INCLUDING CLEARING.

**WORKPLACE HEALTH AND SAFETY NOTE:**  
ALL WORKS UNDERTAKEN BY THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE QUEENSLAND WORK HEALTH AND SAFETY ACT 2011. CONTACT THE NEAREST OFFICE OF THE DIVISION OF WORKPLACE HEALTH AND SAFETY FOR INFORMATION. PHONE No. 1300 362 128.

**DIAL BEFORE YOU DIG:**  
THIS DESIGN HAS BEEN PREPARED BASED ON SERVICE AUTHORITY AS CONSTRUCTED INFORMATION. NO POT HOLING HAS BEEN UNDERTAKEN TO VERIFY EXISTING SERVICE LOCATIONS AND DEPTHS. IT IS THE CONTRACTORS RESPONSIBILITY TO UNDERTAKEN POT HOLING TO VERIFY THE DESIGN.

**EXISTING SERVICES NOTE:**  
THIS DESIGN HAS BEEN PREPARED BASED ON SERVICE AUTHORITY AS CONSTRUCTED INFORMATION. NO POT HOLING HAS BEEN UNDERTAKEN TO VERIFY EXISTING SERVICE LOCATIONS AND DEPTHS. IT IS THE CONTRACTORS RESPONSIBILITY TO UNDERTAKEN POT HOLING TO VERIFY THE DESIGN.

**SEWERAGE RETICULATION NOTES**

- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT SOUTH-EAST QUEENSLAND SEWERAGE CODE SPECIFICATIONS AND STANDARDS.
- UNLESS SPECIFIED OTHERWISE ALL MATERIALS AND WORK SHALL COMPLY WITH THE RELEVANT AUSTRALIAN STANDARDS.
- THE CONSTRUCTION OF THE SEWERAGE WORK SHOWN ON THIS DRAWING SHALL BE SUPERVISED BY AN ENGINEER WHO HAS RPEQ REGISTRATION. SEWERAGE WORKS NOT COMPLYING WITH THIS REQUIREMENT WILL NOT BE PERMITTED TO CONNECT INTO THE LOCAL AUTHORITY SEWERAGE SYSTEM.
- ALL PIPES AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE "ACCEPTED PRODUCTS AND MATERIALS" LIST.
- EACH ALLOTMENT SHALL BE SERVED BY A DN110 PE PROPERTY CONNECTION. FOR ALLOTMENTS OTHER THAN SINGLE RESIDENTIAL, A DN160 PE PROPERTY CONNECTION SHALL BE PROVIDED.
- PROPERTY CONNECTIONS SHALL BE LOCATED WITHIN THE PROPERTY AS SHOWN IN THE DRAWINGS.
- PROPERTY CONNECTION BRANCHES SHALL EXTEND INTO THE PROPERTY A MINIMUM OF 300mm AND A MAXIMUM OF 750mm.
- WHERE PIPES ARE LAID IN FILL, THE FILLING SHALL BE CARRIED OUT IN LAYERS NOT EXCEEDING 300mm (LOOSE) IN DEPTH AND SHALL BE COMPACTED UNTIL THE COMPACTION IS NOT LESS THAN 95% OF THE MATERIALS MAXIMUM COMPACTION WHEN TESTED IN ACCORDANCE WITH A.S. 1289 (MODIFIED COMPACTION). TESTING SHALL BE CARRIED OUT AFTER EACH ALTERNATE LAYER. IN ALL SUCH CASES APPROVAL OF CONSTRUCTED SEWERS WILL NOT BE ISSUED BY THE LOCAL AUTHORITY UNLESS CERTIFICATES ARE PRODUCED CERTIFYING THAT THE REQUIRED COMPACTION HAS BEEN ACHIEVED.
- WHERE SEWERS HAVE A GRADE OF 1 IN 20 OR STEEPER, BULKHEADS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SEQ SEWER CODE.
- THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF EXISTING SERVICES WITH RELEVANT AUTHORITIES BEFORE COMMENCING WORKS.
- SEWERS SHALL BE DISUSED/ABANDONED IN ACCORDANCE WITH PROCEDURES SET OUT IN THE SEQ SEWER CODE.
- BENCH MARK AND LEVELS TO AHD.
- LOTS SERVED BY A SEPTIC SYSTEM, SHALL BE CONNECTED TO THE NEW SEWER BY A LICENSED PLUMBER IN ACCORDANCE WITH THE RELEVANT STATUTORY AND COUNCIL REQUIREMENTS. THE SEPTIC SYSTEM, INCLUDING TRENCHES, SHALL BE REMOVED AT THE DEVELOPER'S COST. ALL FIXTURES SHALL BE UPGRADED IF REQUIRED BY PLUMBING CODE.
- EXISTING ALLOTMENTS REQUIRING A PROPERTY CONNECTION FROM EXISTING SEWERS SHALL BE PROVIDED BY THE LOCAL AUTHORITY AT THE DEVELOPER'S COST.

**ENVIRONMENTAL CONDITIONS NOTES**

- NIL
- VEGETATION PROTECTION**
  - TREES LOCATED ALONG THE FOOTPATH SHALL BE, TRANSPLANTED PRIOR TO CONSTRUCTION, OR REPLACED IF DESTROYED.
  - WHEN WORKING WITHIN 4m OF TREES, RUBBER OR HARDWOOD GIRDLES SHALL BE CONSTRUCTED WITH 18m BATTENS CLOSELY SPACED AND ARRANGED VERTICALLY FROM GROUND LEVEL. GIRDLES SHALL BE STRAPPED TO TREES PRIOR TO CONSTRUCTION AND REMAIN UNTIL COMPLETION.
  - TREE ROOTS SHALL BE TUNNELLED UNDER, RATHER THAN SEVERED. IF ROOTS ARE SEVERED THE DAMAGED AREA SHALL BE TREATED WITH A SUITABLE FUNGICIDE. CONTACT RELEVANT COUNCIL ARBORIST FOR FURTHER ADVICE.
  - ANY TREE LOPPING REQUIRED SHOULD BE UNDERTAKEN BY AN APPROVED ARBORIST.
- SOIL**
  - TOPSOIL AND SUBSOIL SHALL BE STOCKPILED SEPARATELY.
  - CARE SHALL BE TAKEN TO PREVENT SEDIMENT FROM ENTERING THE STORMWATER SYSTEM. THIS MAY INVOLVE PLACING APPROPRIATE SEDIMENT CONTROLS AROUND STOCKPILES.
- CREEK CROSSING**
  - SILTATION CONTROL MEASURES SHALL BE PLACED DOWNSTREAM OF ANY EXCAVATION WORK.
  - APPROPRIATE SEDIMENT CONTROLS SHALL BE USED TO PREVENT SEDIMENT FROM ENTERING THE CREEK.
  - NO SOIL SHALL BE STOCKPILED WITHIN 5m OF THE CREEK.
- REHABILITATION**
  - PREDISTURBANCE SOIL PROFILES AND COMPACTION LEVELS SHALL BE REINSTATED.
  - PREDISTURBANCE VEGETATION PATTERNS SHALL BE RESTORED.
- SAFETY**
  - THE DESIGN AND CONSTRUCTION OF THE WORKS SHALL COMPLY WITH ALL QUEENSLAND LEGISLATION.

**BUILD OVER SEWER NOTE:**  
EXISTING AND PROPOSED SEWERS ARE SUBJECT TO BUILD OVER INFRASTRUCTURE ASSESSMENT UNDER QDC MP14 OR WHERE NOT COMPLIANT, THE SEQ-SP OR DELEGATED AUTHORITY. THIS RELATES TO ALL EXISTING AND FUTURE STRUCTURES WITHIN OR ADJACENT TO THE DEVELOPMENT SITE. UNLESS SPECIFICALLY NOTED IN THE SCOPE OF WORK, MILANOVIC NEALE CONSULTING ENGINEERS HAVE NOT ALLOWED TO UNDERTAKE THIS ASSESSMENT AND SHOULD BE REFERRED TO OTHER PARTIES FOR ASSESSMENT.

**UNITYWATER SPECIFIC SEWERAGE NOTES**

- ALL WORKS ON EXISTING SEWERS TO BE CARRIED OUT BY UNITYWATER AT THE DEVELOPER'S EXPENSE OR AS DIRECTED BY UNITYWATER.
- ALL PE - PE CONNECTIONS SHALL BE WELDED. WELDING REQUIREMENTS ARE TO BE AS PER SEQ WSA02 CLAUSE 8.2.
- CLOSED CIRCUIT TELEVISION (CCTV) INSPECTION AND REPORTING MUST BE CARRIED OUT ON ALL CONSTRUCTED SEWER LINES IN ACCORDANCE WITH SEQ CODE.
- DETECTABLE MARKER TAPE SHALL BE PROVIDED IN ACCORDANCE WITH SEQ CODE.
- WHERE A STORMWATER DRAIN >= 600mm CROSSES OVER A SEWER, THE STORMWATER DRAIN SHALL BE SUPPORTED BY A BRIDGE STRUCTURE THAT SPANS THE SEWER TRENCH.
- MS, TEP AND DROPS AS PER STD DRG SEQ-SEW-1315-1.
- SEWERAGE PROPERTY CONNECTION TO EXTEND 750mm INTO PROPERTY FROM FRONT BOUNDARY UNLESS NOTED.
- ALL PE-PE CONNECTIONS IN THE PE SEWER SYSTEM SHALL BE WELDED IN ACCORDANCE WITH SEQ-WSA02 CLAUSE 8.2.
- EASEMENTS AROUND STRUCTURE TO BE 3m x 3m.
- PE SEWERS TO BE PE100 PN8 SDR21 EXTERNAL COLOUR LIGHT GREY SOLID OR STRIPED. INTERNAL COLOUR WHITE OR LIGHT COLOUR. FULLY WELDED FITTINGS TO BE PN10.
- SEWERS SHALL BE DISUSED/ABANDONED IN ACCORDANCE WITH PROCEDURES SET OUT IN THE SEQ SEWER CODE.
- SEWERAGE MAINTENANCE SHAFTS TO BE 300mm RISERS CENTERED IN SHROUD.

**SEWER EMBEDMENT TYPE:**  
BEDDING TYPE 4 TO BE USED, UNLESS NOTED OTHERWISE. REFER SEQ-SEW-1200-2, 1201-1, 1202-1, 1203-1, 1204-1 FOR DETAILS.

**PROPERTY CONNECTIONS:**  
PROPERTY CONNECTION POINTS AT THE ENDS OF PROPERTY CONNECTION SEWERS SHALL BE MARKED WITH A SINGLE VERTICAL ORANGE PVC CONDUIT 4.0mm IN DIAMETER AND 2m LONG, DUCT TAPED TO A HARDWOOD STAKE AND BROUGHT TO THE SURFACE, AND MARKED WITH THE WORDS 'SEWER CONNECTION 2m'.

PROPERTY CONNECTIONS HAVE BEEN DESIGNED TO CONTROL THE REQUIRED SERVICE AREA OF EACH LOT AT A GRADE OF 1:60 AND A MAXIMUM DEPTH OF PROPERTY CONNECTION OF 1.5m UNLESS STATED OTHERWISE. FOR JUNCTION DETAILS REFER SEQ-SEW-1106-1 TO SEQ-SEW-1106-7.

ALL SEWERAGE HOUSE CONNECTIONS TO BE DN110 PE UNLESS NOTED OTHERWISE

**UNITYWATER LIVE SEWERAGE RETICULATION WORK**

No.	DESCRIPTION	DIA. SEWER	EXISTING ASSET ID AT CONNECTION	MH/MS TYPE	COVER TYPE	LOT & PLAN NO.	F.S.L.	E.S.L.	CONNECTION IL	CONNECTION DEPTH TO INVERT	ALTERATION TO EXISTING MH BENCHING REQUIRED (Y/N)
1(a)	CONTRACTOR TO CONSTRUCT NEW MAINTENANCE HOLE 1/1 OVER EXISTING SEWER AND BENCH AND RENDER UP TO PIPE BUT NOT REMOVE CROWN OF PIPE.	150 uPVC	SMG2520723	-	-	L2 SP2734.04	68.973	68.973	67.370	1.603	N
1(b)	CONTRACTOR TO LAY LINES 1&2 AND INSTALL HOUSE CONNECTIONS.										
1(c)	CONTRACTOR TO REMOVE CROWN OF PIPE AND COMPLETE BENCHING AFTER SUCCESSFUL ON MAINTENANCE WITH UNITYWATER										
2(a)	CONTRACTOR TO BREAK INTO EXISTING MAINTENANCE HOLE EX2/3 AND CONSTRUCT 150mm STUB (TEMPORARILY PLUGGED) PRIOR TO START OF CONSTRUCTION.	150 uPVC	SMG2654.749	1050	UNK	L2 SP2734.04	61.926	61.926	61.176	0.750	Y
2(b)	CONTRACTOR TO LAY SHORT PIPE WITH AN I.O. THEN LAY LINE 4. AFTER CLEANSING, TESTING AND INSPECTION I.O. PIPE TO BE SURROUNDED WITH 150mm OF CONCRETE.										
2(c)	CONTRACTOR TO REMOVE TEMPORARY PLUGS IN MAINTENANCE HOLE EX2/3 AFTER SUCCESSFUL ON MAINTENANCE WITH UNITYWATER										
3(a)	CONTRACTOR TO CONSTRUCT NEW MAINTENANCE HOLE 3A/3 OVER EXISTING SEWER AND BENCH AND RENDER UP TO PIPE BUT NOT REMOVE CROWN OF PIPE.	150 uPVC	-	-	-	L2 SP2734.04	61.308	61.308	59.746	1.562	N
3(b)	CONTRACTOR TO LAY LINES 5, 6, 7 & 8 AND INSTALL HOUSE CONNECTIONS.										
3(c)	CONTRACTOR TO REMOVE CROWN OF PIPE AND COMPLETE BENCHING AFTER SUCCESSFUL ON MAINTENANCE WITH UNITYWATER										

**APPROVED WITH CONDITIONS**  
Application No: 2018012467S0  
Signed: *Sandya Handunnetti*  
Dated: 04/03/2021

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REV.	DESCRIPTION	DATE	INIT.
A	FOR APPROVAL	02.10.20	CA
B	RFI RESPONSE	04.03.21	JH

**MILANOVIC NEALE CONSULTING ENGINEERS**  
BRISBANE PH No. (07) 3255 1877 IPSWICH PH No. (07) 3281 6603

**CIVIL STRUCTURAL TRAFFIC PROJECT MANAGEMENT**  
SYDNEY PH No. 1300 827 901 GOLD COAST PH No. 1300 827 901

CONTACT DETAILS  
E mail@mnce.com.au  
W www.mnce.com.au

CLIENT

**PARKER PROPERTY NINGI PTY LTD**

PROJECT

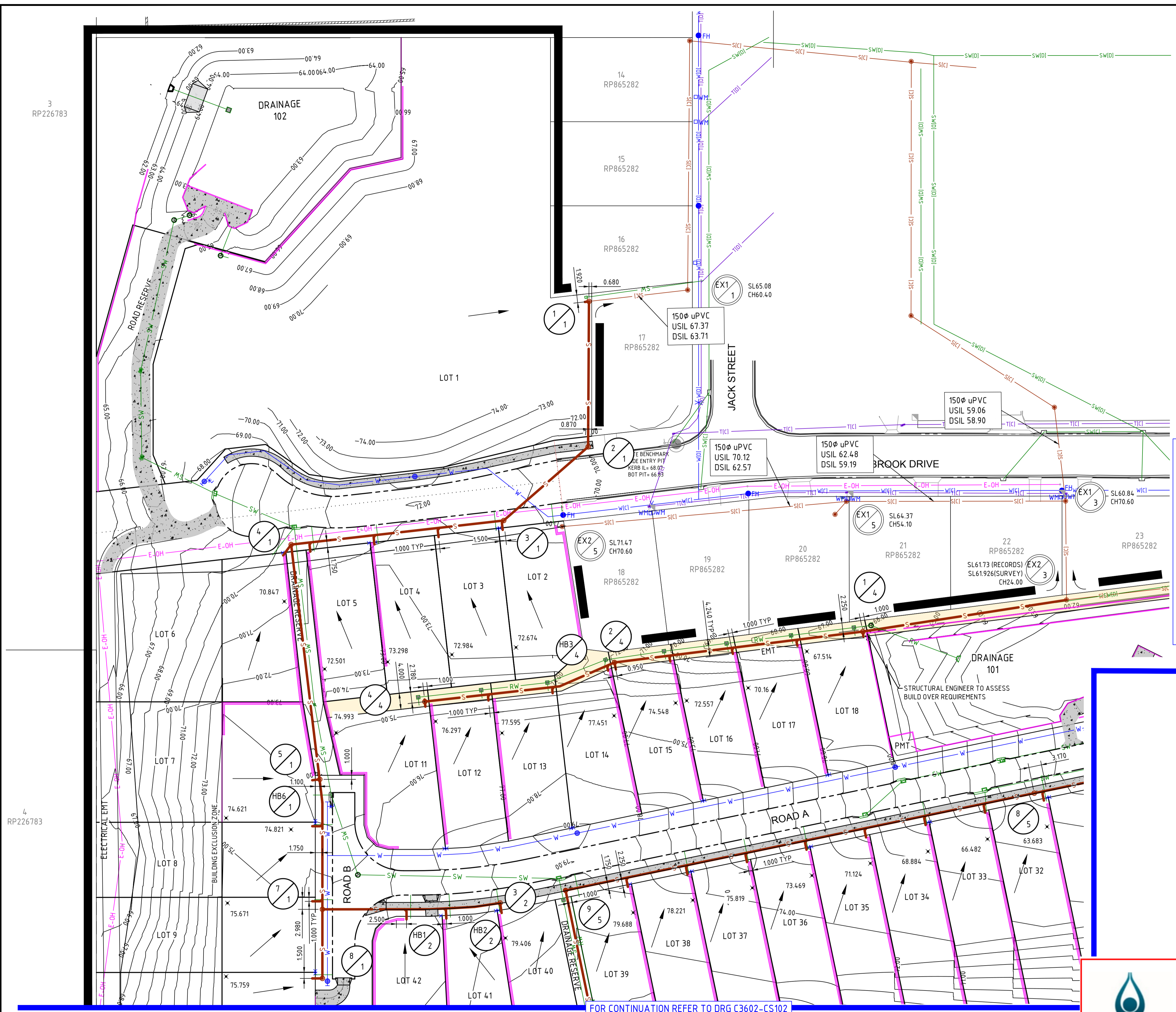
**41 GLENBROOK DRIVE, NAMBOUR**

TITLE

**PROJECT GENERAL NOTES**

DRAWN	DESIGNED	DATE
CA	JH	AUG 2020
CHECKED	APPROVED	
JN	<i>S. Handunnetti</i>	RPEQ 15650
DRAWING No.	REV.	
C3602 - CA300	B	

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### LEGEND

- (SIC) EXISTING SEWER MAIN [\*] DENOTES UTILITY CLASSIFICATION
- (WID) EXISTING WATER MAIN [\*] DENOTES UTILITY CLASSIFICATION
- (SWID) EXISTING STORMWATER [\*] DENOTES UTILITY CLASSIFICATION
- (TID) EXISTING TELECOMMUNICATIONS [\*] DENOTES UTILITY CLASSIFICATION
- (E-OH) EXISTING OVERHEAD ELECTRICITY
- ###.### PROPOSED CONTOURS
- (W) PROPOSED WATER MAIN
- (S) PROPOSED SEWERAGE MAIN
- (SW) PROPOSED STORMWATER MAIN
- PROPOSED TOP OF BATTER  
----- PROPOSED TOE OF BATTER
- PROPOSED RETAINING WALL (BY OTHERS)
- PROPOSED EASEMENT
- × 13.500 SEWER CONTROL HEIGHT
- 1/1 PROPOSED DRAINAGE STRUCTURE NUMBER
- EX1/1 EXISTING DRAINAGE STRUCTURE NUMBER

**NOTE:**  
CLASSIFICATION OF SUBSURFACE UTILITY INFORMATION  
IN ACCORDANCE WITH AUSTRALIAN STANDARD 5488.

FOR CONTINUATION REFER TO DRG C3602-CS101

FOR CONTINUATION REFER TO DRG C3602-CS102

**PLAN**  
SCALE 1:500

**APPROVED WITH CONDITIONS**  
Application No: 2018012467S0  
Signed: *Sandya Handunnetti*  
Dated: 04/03/2021



REFER DWG. C3602-CA300 FOR GENERAL NOTES.

REAL PROPERTY DESCRIPTION  
LOT 2 ON SP273404

REV.	DESCRIPTION	DATE	INIT.
A	FOR APPROVAL	02.10.20	CA
B	RFI RESPONSE	04.03.21	JH

**MILANOVIC NEALE**  
CONSULTING ENGINEERS

BRISBANE PH No. (07) 3255 1877    IPSWICH PH No. (07) 3281 6603

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TRAFFIC PROJECT MANAGEMENT

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CLIENT  
**PARKER PROPERTY NINGI PTY LTD**

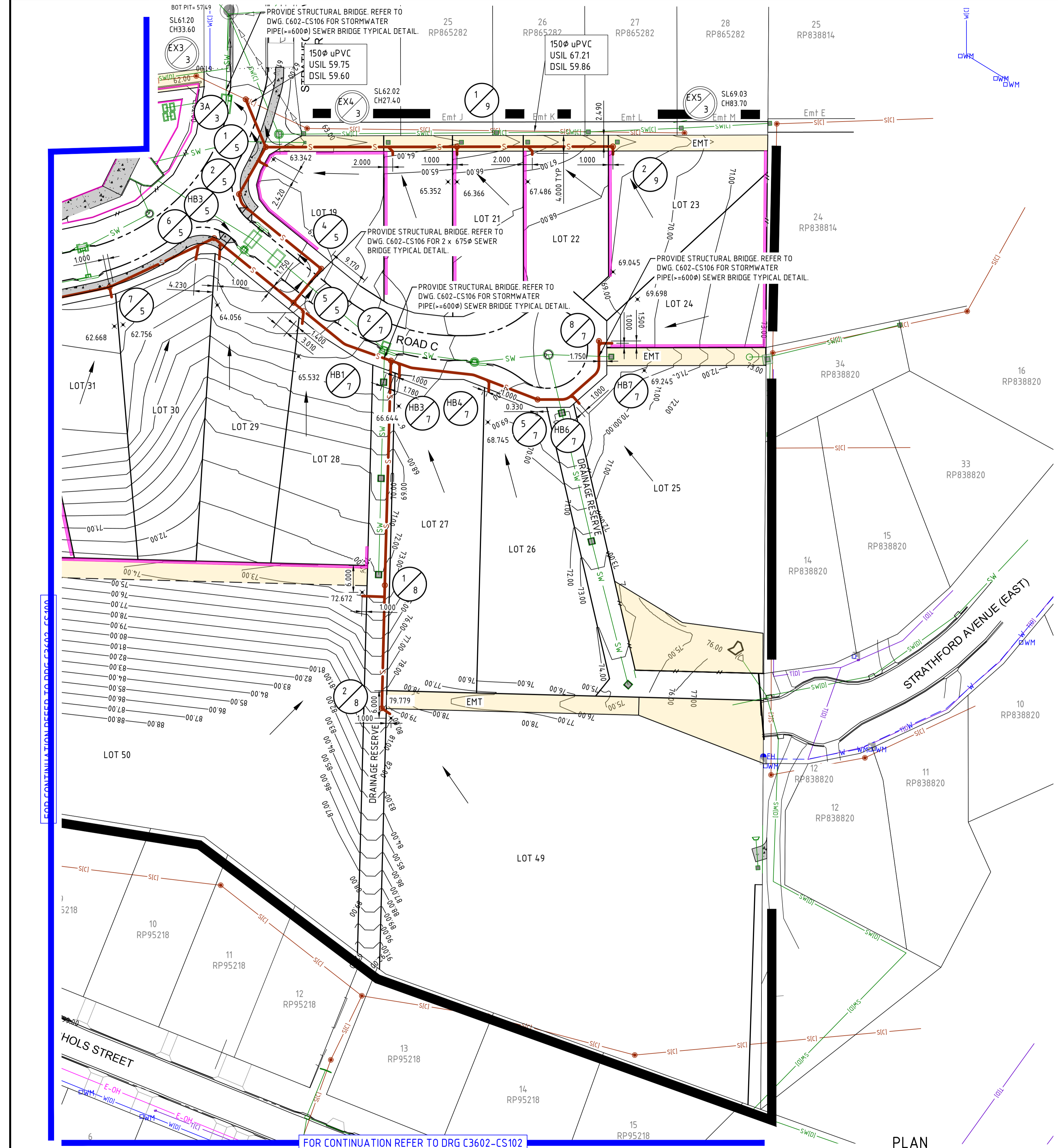
PROJECT  
**41 GLENBROOK DRIVE, NAMBOUR**

TITLE  
**SEWER RETICULATION LAYOUT PLAN SHEET 1 OF 3**

DRAWN	DESIGNED	DATE
CA	JH	AUG 2020
CHECKED	APPROVED	
JN	<i>S. Neale</i>	<b>RPEQ 15650</b>
DRAWING No.	REV.	
<b>C3602 - CS100</b>	<b>B</b>	

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- LEGEND**
- (SIC) EXISTING SEWER MAIN  
[\*] DENOTES UTILITY CLASSIFICATION
  - (WID) EXISTING WATER MAIN  
[\*] DENOTES UTILITY CLASSIFICATION
  - (SWID) EXISTING STORMWATER  
[\*] DENOTES UTILITY CLASSIFICATION
  - (TID) EXISTING TELECOMMUNICATIONS  
[\*] DENOTES UTILITY CLASSIFICATION
  - (E-OH) EXISTING OVERHEAD ELECTRICITY
  - ###.## PROPOSED CONTOURS
  - (W) PROPOSED WATER MAIN
  - (S) PROPOSED SEWERAGE MAIN
  - (SW) PROPOSED STORMWATER MAIN
  - PROPOSED TOP OF BATTER  
----- PROPOSED TOE OF BATTER
  - PROPOSED RETAINING WALL (BY OTHERS)
  - PROPOSED EASEMENT
  - × 13.500 SEWER CONTROL HEIGHT
  - 1/1 PROPOSED DRAINAGE STRUCTURE NUMBER
  - EX1/1 EXISTING DRAINAGE STRUCTURE NUMBER

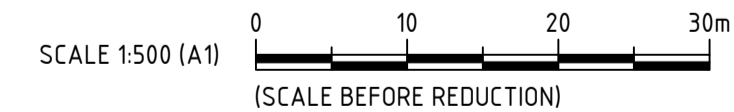
**NOTE:**  
CLASSIFICATION OF SUBSURFACE UTILITY INFORMATION  
IN ACCORDANCE WITH AUSTRALIAN STANDARD 5488.

FOR CONTINUATION REFER TO DRG C3602-CS100

FOR CONTINUATION REFER TO DRG C3602-CS102

PLAN  
SCALE 1:500

**APPROVED WITH CONDITIONS**  
Application No: 2018012467S0  
Signed: *Sandya Handunnetti*  
Dated: 04/03/2021



REFER DWG. C3602-CA300 FOR GENERAL NOTES.

REAL PROPERTY DESCRIPTION  
LOT 2 ON SP273404

REV.	DESCRIPTION	DATE	INIT.
A	FOR APPROVAL	02.10.20	CA
B	RFI RESPONSE	04.03.21	JH

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**CIVIL STRUCTURAL TRAFFIC PROJECT MANAGEMENT**  
SYDNEY PH No. 1300 827 901 | GOLD COAST PH No. 1300 827 901

CONTACT DETAILS  
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JAS-ANZ | SGS

CLIENT  
**PARKER PROPERTY NINGI PTY LTD**

PROJECT  
**41 GLENBROOK DRIVE, NAMBOUR**

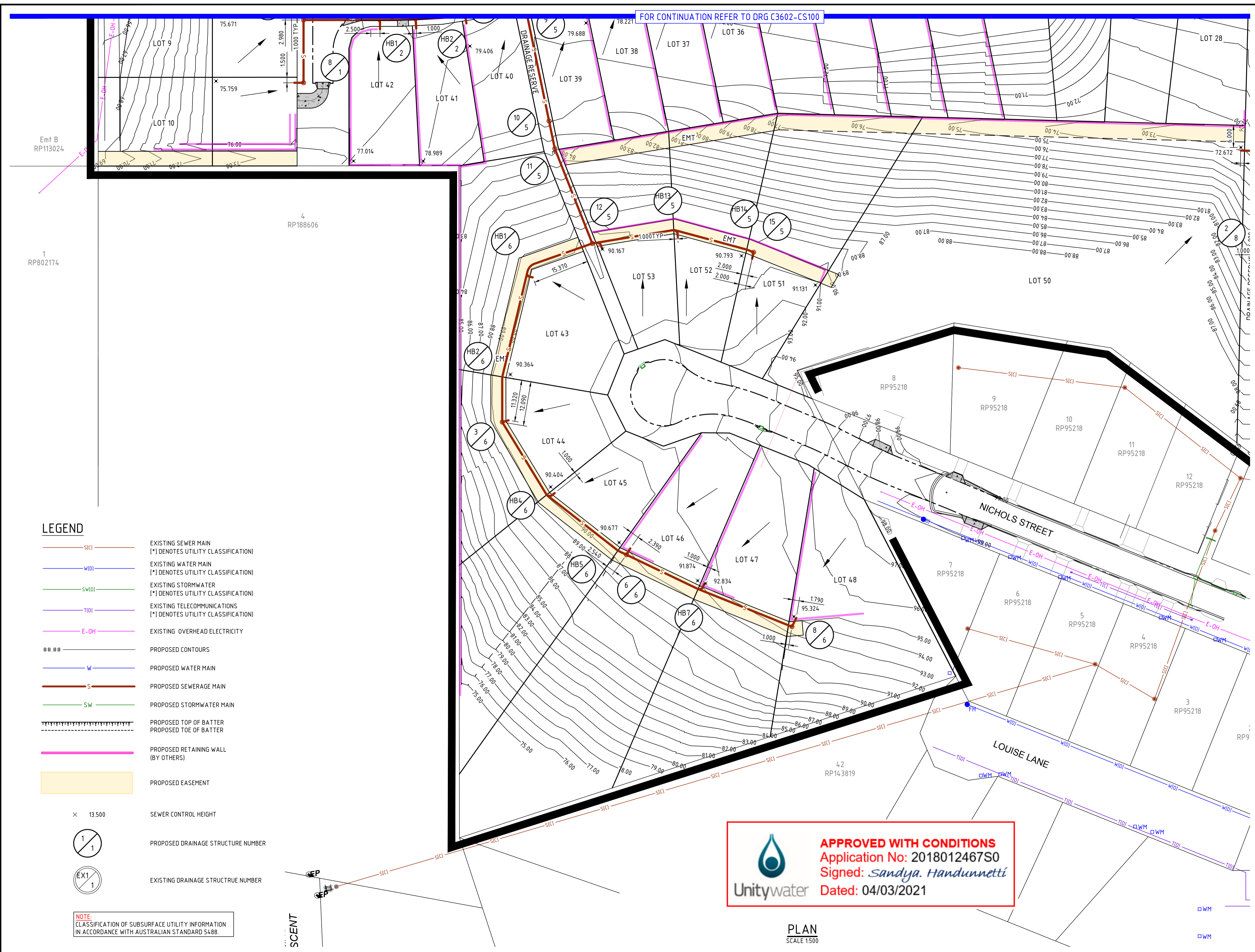
TITLE  
**SEWER RETICULATION LAYOUT PLAN SHEET 2 OF 3**

DRAWN	DESIGNED	DATE
CA	JH	AUG 2020
CHECKED	APPROVED	
JN	<i>S. Handunnetti</i>	
DRAWING No.	REV.	
C3602 - CS101	B	

DO NOT SCALE FROM DRAWING ALL SCALES ARE AS SHOWN (A1)

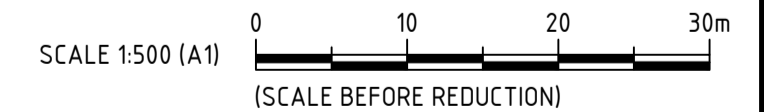
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FOR CONTINUATION REFER TO DRG C3602-CS100



**APPROVED WITH CONDITIONS**  
 Application No: 2018012467S0  
 Signed: *Sandya Handunnetti*  
 Dated: 04/03/2021

PLAN  
 SCALE 1:500



REFER DWG. C3602-CA300 FOR GENERAL NOTES.

REAL PROPERTY DESCRIPTION  
 LOT 2 ON SP273404

- LEGEND**
- S(C) EXISTING SEWER MAIN  
[\*] DENOTES UTILITY CLASSIFICATION
  - W(C) EXISTING WATER MAIN  
[\*] DENOTES UTILITY CLASSIFICATION
  - SW(C) EXISTING STORMWATER  
[\*] DENOTES UTILITY CLASSIFICATION
  - T(C) EXISTING TELECOMMUNICATIONS  
[\*] DENOTES UTILITY CLASSIFICATION
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  - ### PROPOSED CONTOURS
  - W PROPOSED WATER MAIN
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  - × 13.500 SEWER CONTROL HEIGHT
  - 1/1 PROPOSED DRAINAGE STRUCTURE NUMBER
  - EX1/1 EXISTING DRAINAGE STRUCTURE NUMBER

**NOTE:**  
 CLASSIFICATION OF SUBSURFACE UTILITY INFORMATION  
 IN ACCORDANCE WITH AUSTRALIAN STANDARD 5488.

REV.	DESCRIPTION	DATE	INIT.
A	FOR APPROVAL	02.10.20	CA
B	RFI RESPONSE	04.03.21	JH

**MILANOVIC NEALE CONSULTING ENGINEERS**  
 BRISBANE PH No. (07) 3255 1877  
 IPSWICH PH No. (07) 3281 6603

**CIVIL STRUCTURAL TRAFFIC PROJECT MANAGEMENT**  
 SYDNEY PH No. 1300 827 901  
 GOLD COAST PH No. 1300 827 901

CONTACT DETAILS  
 E mail@mnce.com.au  
 W www.mnce.com.au

**JAS-ANZ**  
**SGS**

CLIENT  
**PARKER PROPERTY NINGI PTY LTD**

PROJECT  
**41 GLENBROOK DRIVE, NAMBOUR**

TITLE  
**SEWER RETICULATION LAYOUT PLAN SHEET 3 OF 3**

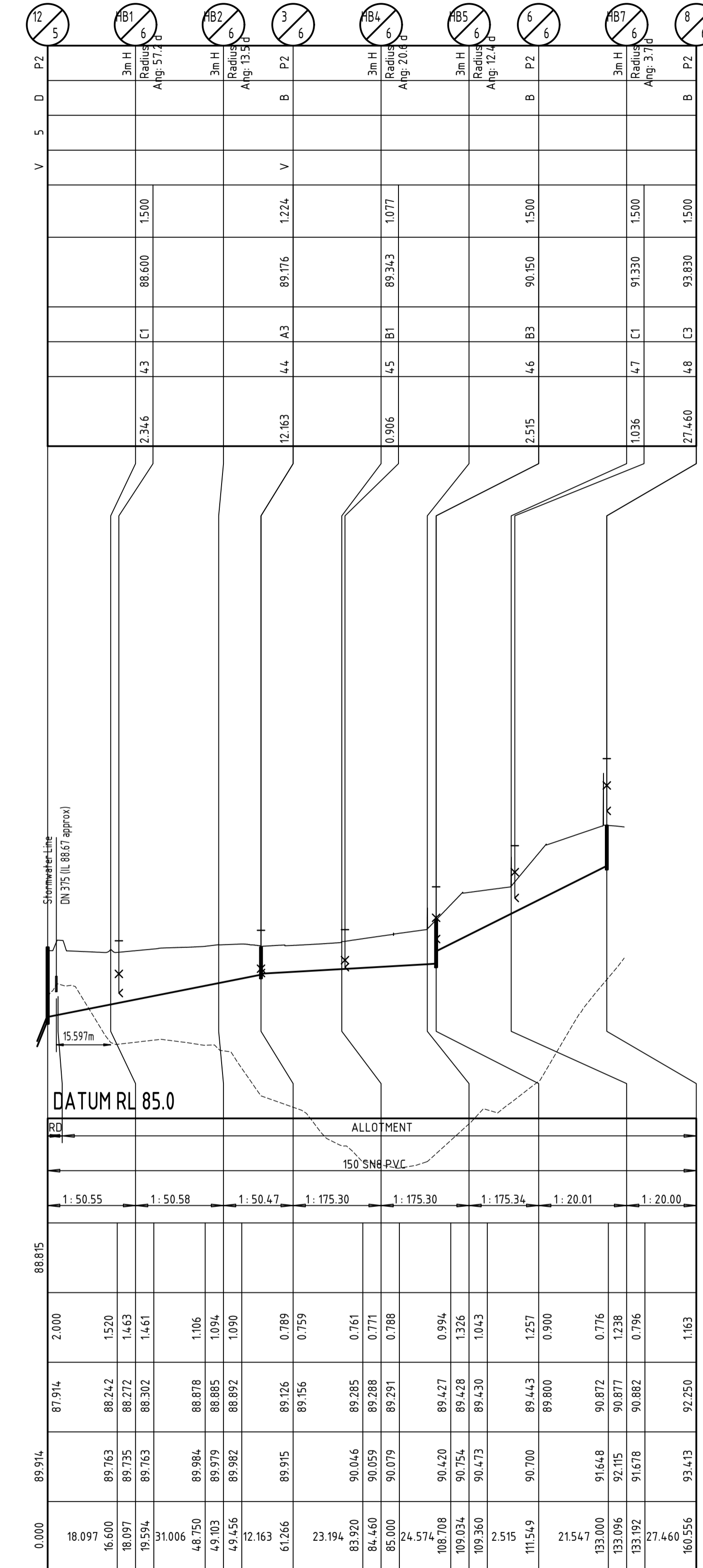
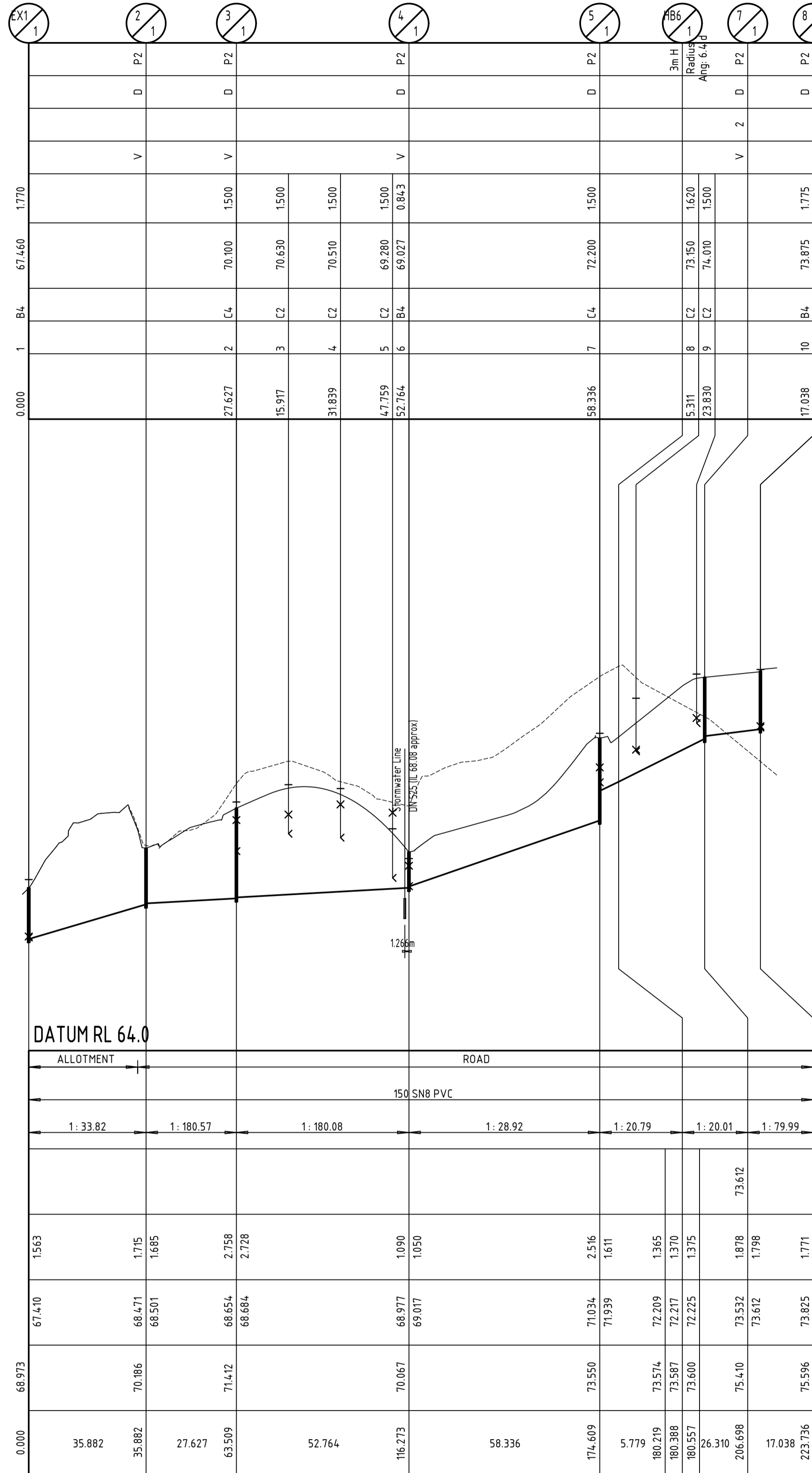
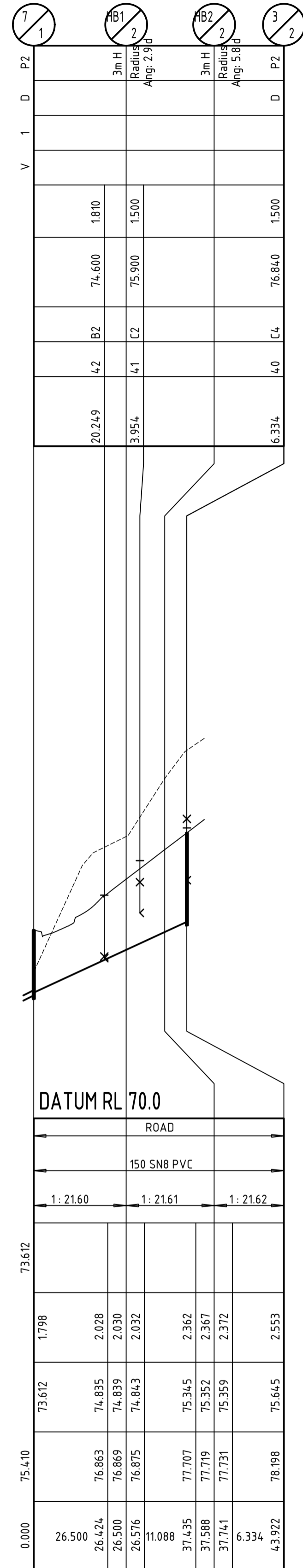
DRAWN	DESIGNED	DATE
CA	JH	AUG 2020
CHECKED	APPROVED	
JN	<i>S. Neale</i>	<b>RPEQ 15650</b>
DRAWING No.	REV.	
<b>C3602 - CS102</b>	<b>B</b>	

DO NOT SCALE FROM DRAWING ALL SCALES ARE AS SHOWN (A1)

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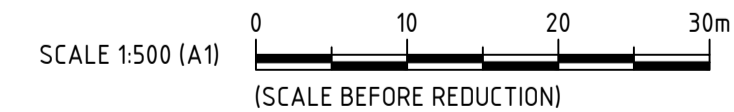
MANHOLE/END NAME
MANHOLE TYPE
LID TYPE
JUNCTION LINE
DROP TYPE
DEPTH TO HC
HOUSE CONNECTION INVERT LEVEL
HC TYPE
HC LOT No
CH. FROM D/S MH

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



**LEGEND**  
 - DESIGN SURFACE LEVEL OVER END OF PC  
 x CONTROL LEVEL AT END OF PC  
 < INVERT LEVEL AT END OF PC

**NOTE:**  
 WHERE STORMWATER (600 AND GREATER) CROSSES  
 ABOVE SEWER ASSETS BRIDGING AS PER C3602-CS106  
 TO BE ADOPTED ONSITE.



REFER DWG. C3602-CA300 FOR GENERAL NOTES.

REAL PROPERTY DESCRIPTION  
 LOT 2 ON SP273404

**APPROVED WITH CONDITIONS**  
 Application No: 2018012467S0  
 Signed: *Sandya Handunnetti*  
 Dated: 04/03/2021

DO NOT SCALE FROM DRAWING  
 ALL SCALES ARE AS SHOWN (A1)

REV.	DESCRIPTION	DATE	INIT.
A	FOR APPROVAL	02.10.20	CA
B	RFI RESPONSE	04.03.21	JH

**MILANOVIC NEALE CONSULTING ENGINEERS**  
 BRISBANE PH No. (07) 3255 1877  
 IPSWICH PH No. (07) 3281 6603

**CIVIL STRUCTURAL TRAFFIC PROJECT MANAGEMENT**  
 SYDNEY PH No. 1300 827 901  
 GOLD COAST PH No. 1300 827 901

CONTACT DETAILS  
 E mail@mnce.com.au  
 W www.mnce.com.au

**JAS-ANZ**  
**SGS**

CLIE  
**PARKER PROPERTY NINGI PTY LTD**

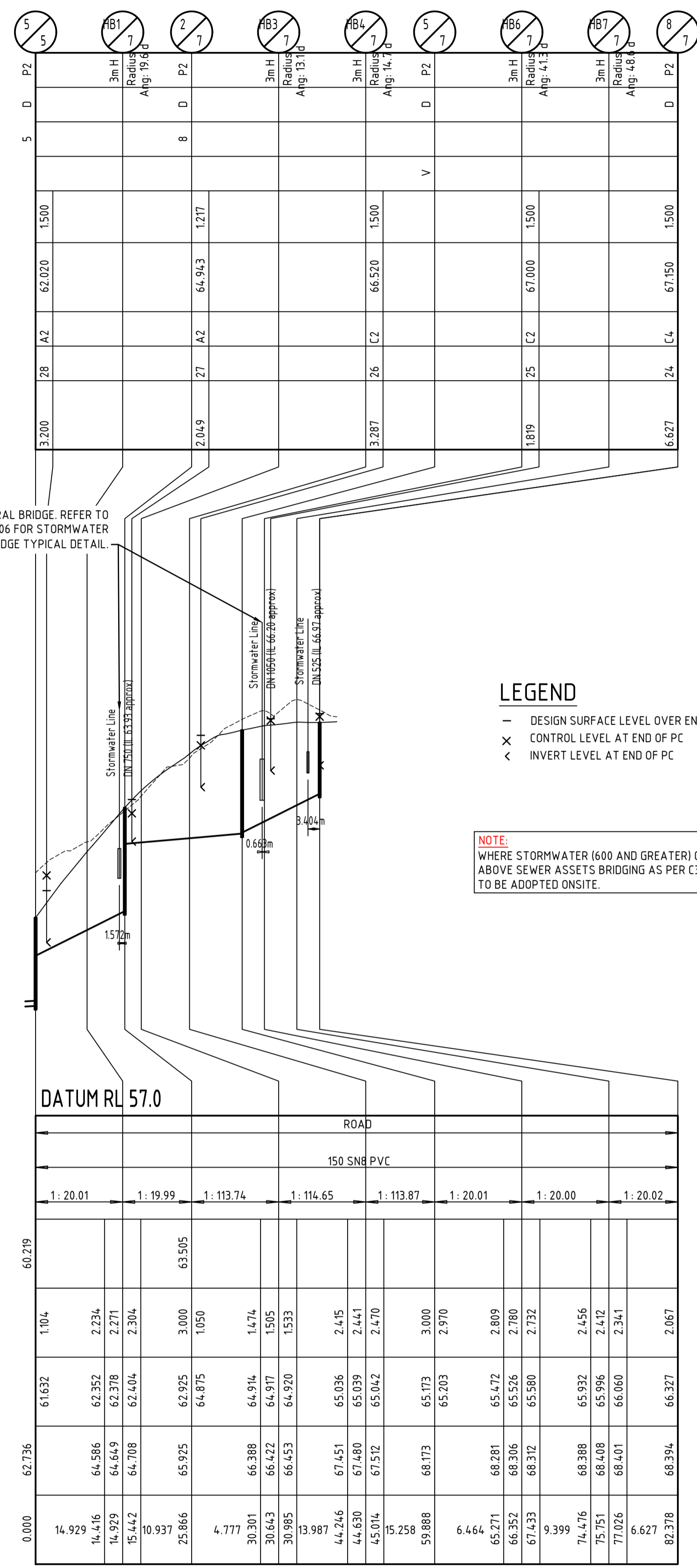
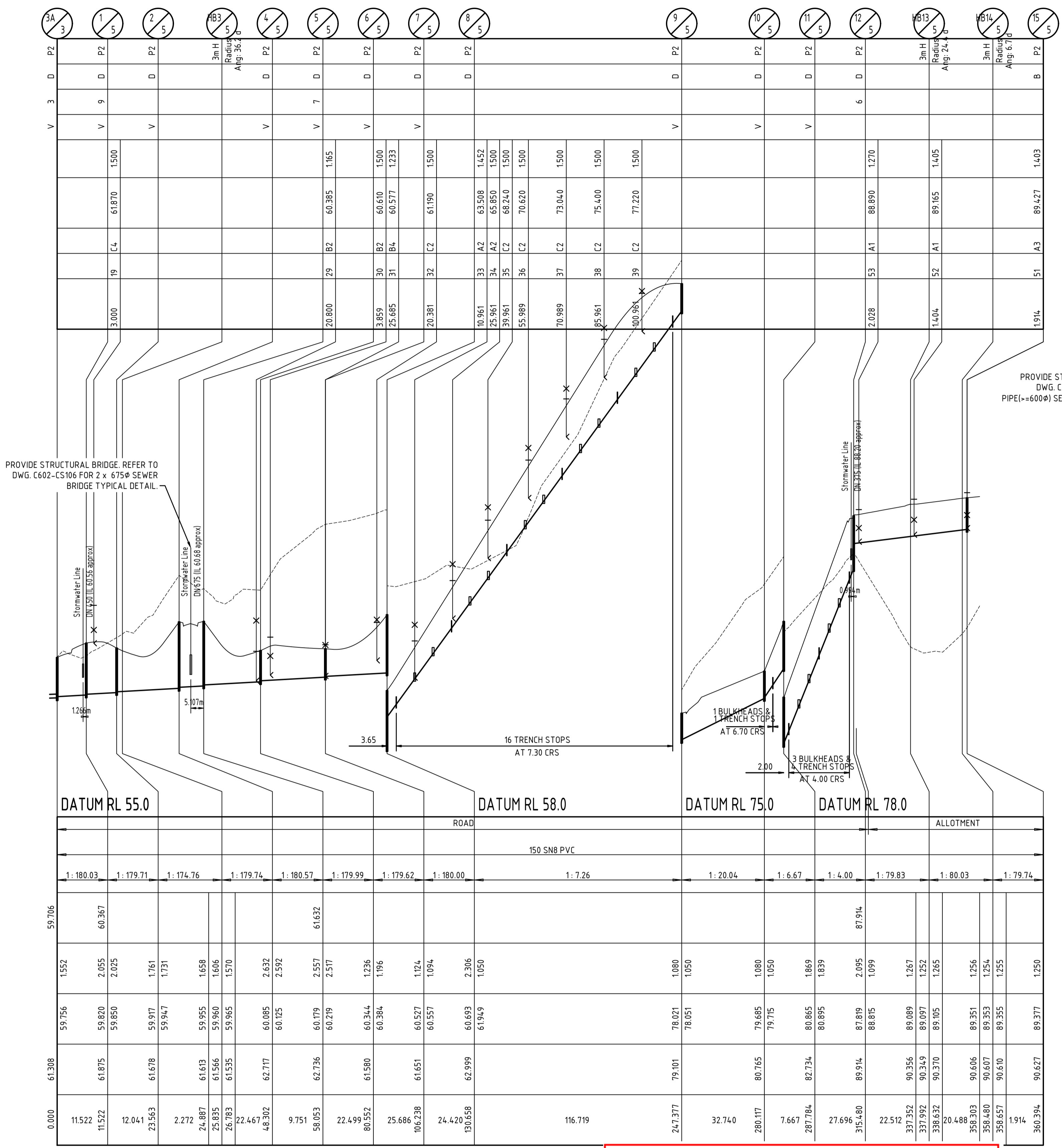
**41 GLENBROOK DRIVE, NAMBOUR**

TITLE  
**SEWER RETICULATION LONG SECTIONS SHEET 1 OF 3**

DRAWN	DESIGNED	DATE
CA	JH	AUG 2020
CHECKED	APPROVED	
JN	<i>S. Handunnetti</i>	<b>RPEQ 15650</b>
DRAWING No.	REV.	
<b>C3602 - CS103</b>	<b>B</b>	

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

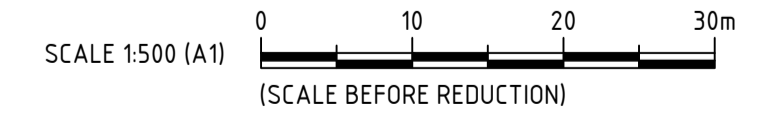


STREET ETC
DIAMETER
GRADE
JUNCTION INVERT LEVEL
DEPTH TO INVERT
INVERT LEVEL OF SEWER
DESIGN SURFACE LEVEL
RUNNING CHAINAGE

**LEGEND**  
 - DESIGN SURFACE LEVEL OVER END OF PC  
 X CONTROL LEVEL AT END OF PC  
 < INVERT LEVEL AT END OF PC

**NOTE:**  
 WHERE STORMWATER (600 AND GREATER) CROSSES ABOVE SEWER ASSETS BRIDGING AS PER C3602-CS106 TO BE ADOPTED ONSITE.

**APPROVED WITH CONDITIONS**  
 Application No: 2018012467S0  
 Signed: *Sandya Handunnett*  
 Dated: 04/03/2021



REFER DWG. C3602-CA300 FOR GENERAL NOTES.

REAL PROPERTY DESCRIPTION  
 LOT 2 ON SP273404

DO NOT SCALE FROM DRAWING  
 ALL SCALES ARE AS SHOWN (A1)

REV.	DESCRIPTION	DATE	INIT.
A	FOR APPROVAL	02.10.20	CA
B	RFI RESPONSE	04.03.21	JH

**MILANOVIC NEALE CONSULTING ENGINEERS**  
 BRISBANE PH No. (07) 3255 1877 | IPSWICH PH No. (07) 3281 6603 | SYDNEY PH No. 1300 827 901 | GOLD COAST PH No. 1300 827 901

**CIVIL STRUCTURAL TRAFFIC PROJECT MANAGEMENT**

CONTACT DETAILS  
 E mail@mnce.com.au | W www.mnce.com.au

**JAS-ANZ** | **SGS**

CLIENT  
**PARKER PROPERTY NINGI PTY LTD**

PROJECT  
**41 GLENBROOK DRIVE, NAMBOUR**

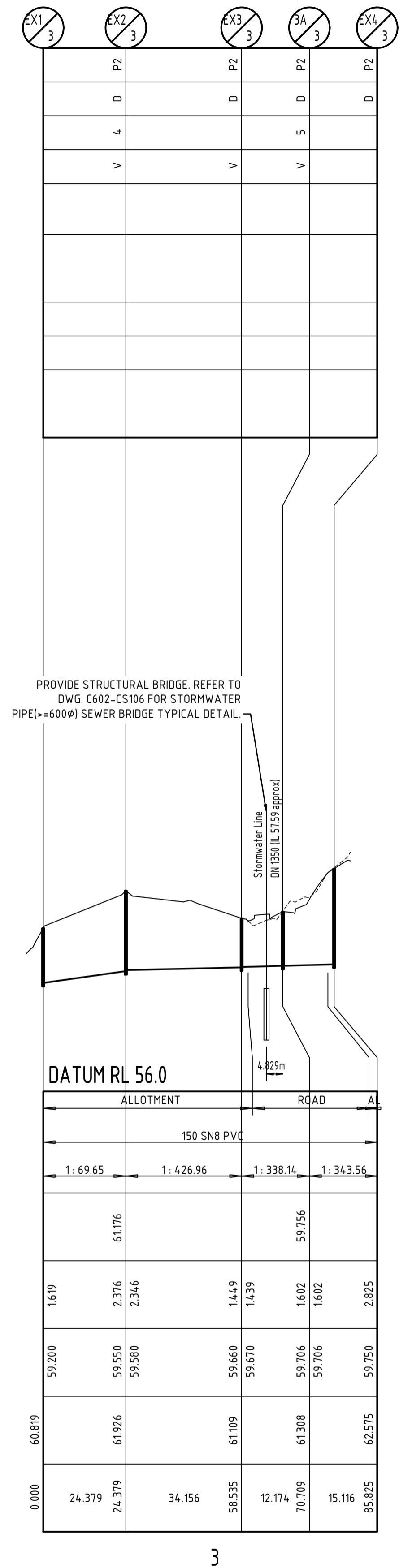
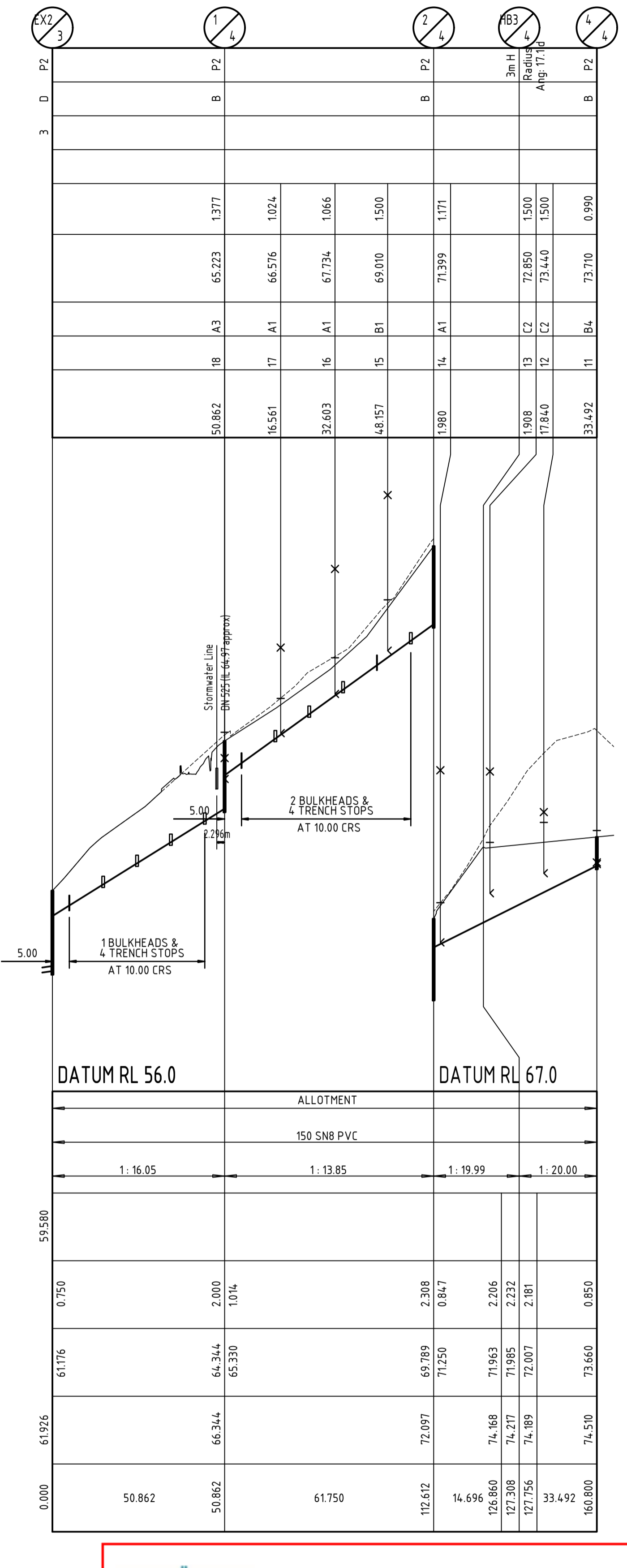
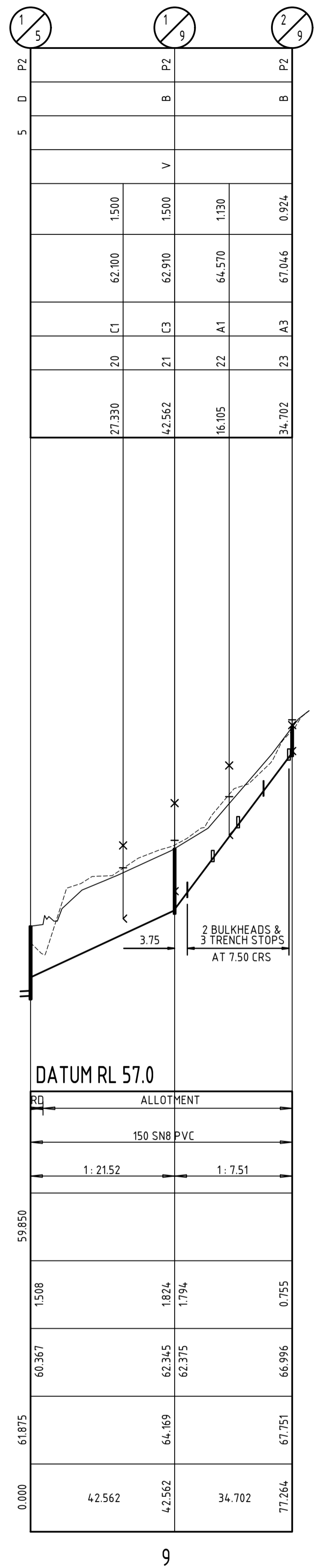
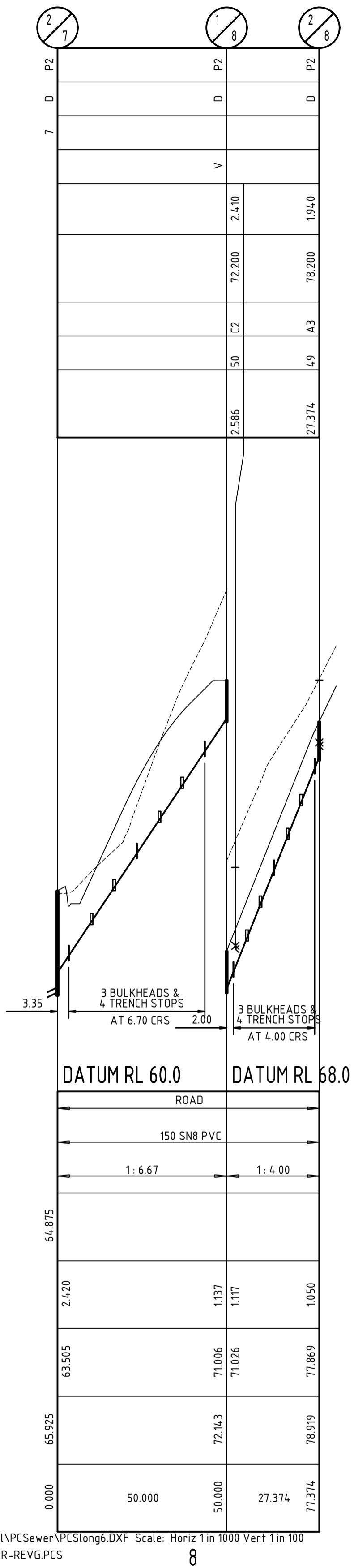
TITLE  
**SEWER RETICULATION LONG SECTIONS SHEET 2 OF 3**

DRAWN	DESIGNED	DATE
CA	JH	AUG 2020
CHECKED	APPROVED	
JN	<i>S. Handunnett</i>	<b>RPEQ 15650</b>
DRAWING No.	REV.	
<b>C3602 - CS104</b>	<b>B</b>	

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

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

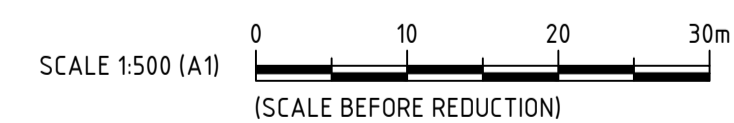


**LEGEND**

- DESIGN SURFACE LEVEL OVER END OF PC
- × CONTROL LEVEL AT END OF PC
- < INVERT LEVEL AT END OF PC

**NOTE:**  
WHERE STORMWATER (600 AND GREATER) CROSSES ABOVE SEWER ASSETS BRIDGING AS PER C3602-CS106 TO BE ADOPTED ONSITE.

J:\C3602 41 Glenbrook Drive, Nambour\Calculations\Civil\PC Sewer\PCSlong6.DXF Scale: Horiz 1 in 1000 Vert 1 in 100  
Project File: C3602-200805-CALCS-SEWER-REV6.PCS



**APPROVED WITH CONDITIONS**  
Application No: 2018012467S0  
Signed: *Sandhya Handunnetti*  
Dated: 04/03/2021

REFER DWG. C3602-CA300 FOR GENERAL NOTES.

REAL PROPERTY DESCRIPTION  
LOT 2 ON SP273404

REV.	DESCRIPTION	DATE	INIT.
A	FOR APPROVAL	02.10.20	CA
B	RFI RESPONSE	04.03.21	JH

**MILANOVIC NEALE CONSULTING ENGINEERS**  
BRISBANE PH No. (07) 3255 1877  
IPSWICH PH No. (07) 3281 6603

**CIVIL STRUCTURAL TRAFFIC PROJECT MANAGEMENT**  
SYDNEY PH No. 1300 827 901  
GOLD COAST PH No. 1300 827 901

CONTACT DETAILS  
E mail@mnce.com.au  
W www.mnce.com.au

**JAS-ANZ**  
**SGS**

CLIENT  
**PARKER PROPERTY NINGI PTY LTD**

TITLE  
**41 GLENBROOK DRIVE, NAMBOUR**

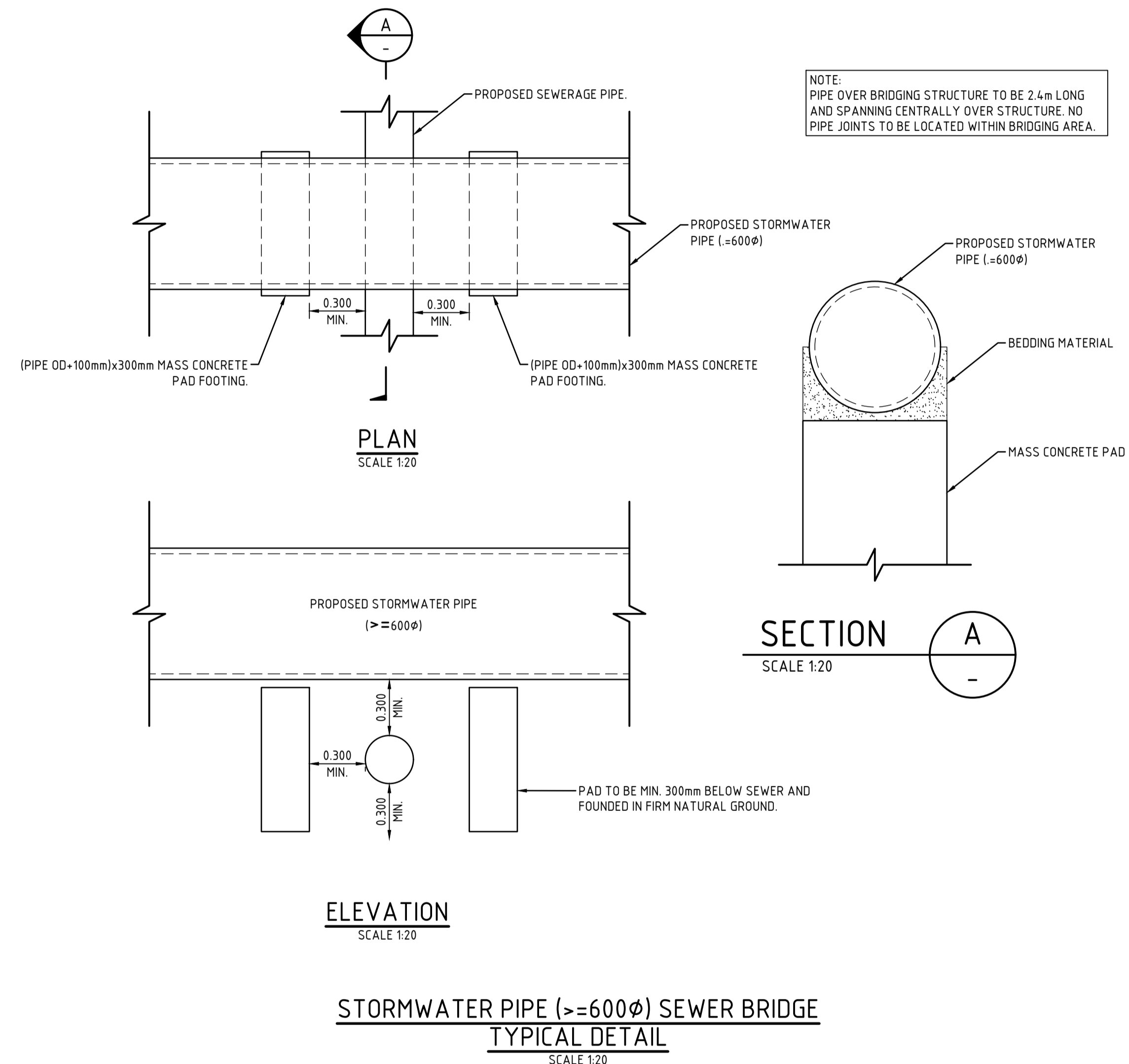
TITLE  
**SEWER RETICULATION LONG SECTIONS SHEET 3 OF 3**

DRAWN CA	DESIGNED JH	DATE AUG 2020
CHECKED JN	APPROVED <i>S. Neale</i> RPEQ 15650	REV. B
DRAWING No. C3602 - CS105		

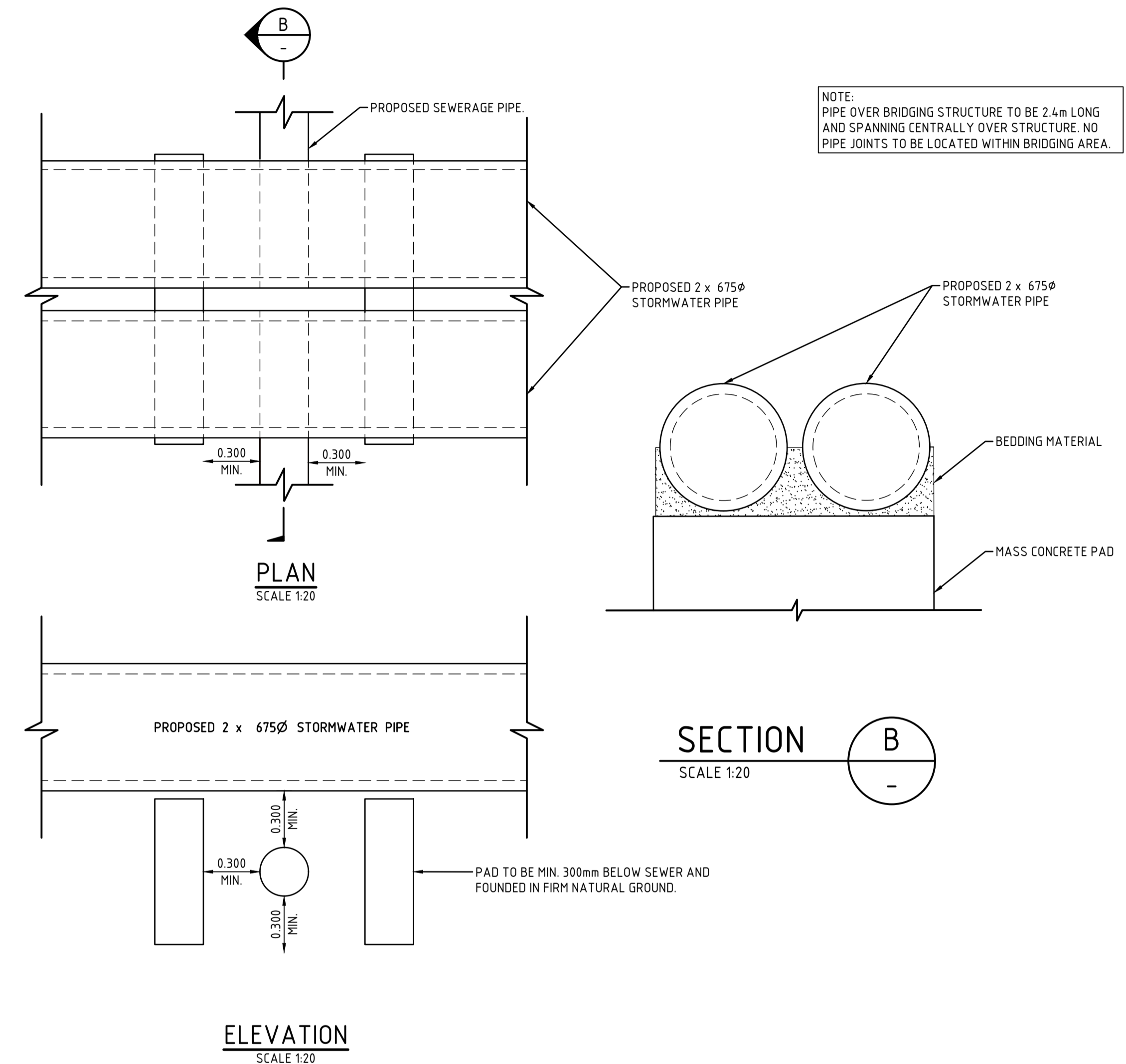
DO NOT SCALE FROM DRAWING  
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**STORMWATER PIPE (>=600 $\phi$ ) SEWER BRIDGE  
TYPICAL DETAIL**  
SCALE 1:20



**2 x 675 $\phi$  STORMWATER PIPE SEWER  
BRIDGE TYPICAL DETAIL**  
SCALE 1:20

**APPROVED WITH CONDITIONS**  
Application No: 2018012467S0  
Signed: *Sandya Handunnetti*  
Dated: 04/03/2021



REFER DWG. C3602-CA300 FOR GENERAL NOTES.

REAL PROPERTY DESCRIPTION  
LOT 2 ON SP273404

REV.	DESCRIPTION	DATE	INIT.
A	RFI ISSUE	19.01.21	CA
B	RFI RESPONSE	04.03.21	JH

**MILANOVIC NEALE CONSULTING ENGINEERS**  
BRISBANE PH No. (07) 3255 1877  
IPSWICH PH No. (07) 3281 6603

**CIVIL STRUCTURAL TRAFFIC PROJECT MANAGEMENT**  
SYDNEY PH No. 1300 827 901  
GOLD COAST PH No. 1300 827 901

CONTACT DETAILS  
E mail@mnce.com.au  
W www.mnce.com.au  
JAS-ANZ  
SGS

CLIENT  
**PARKER PROPERTY NINGI PTY LTD**

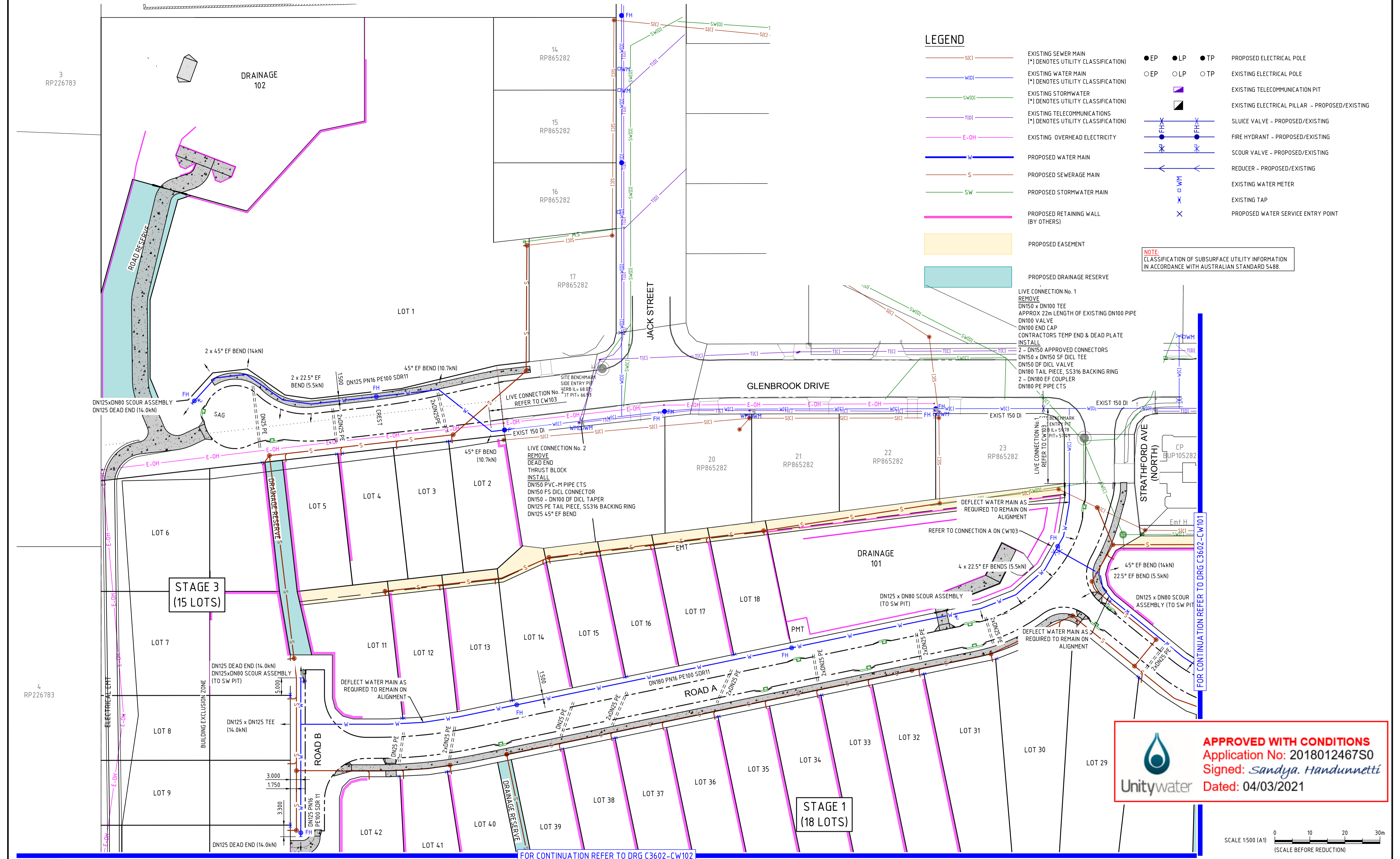
PROJECT  
**41 GLENBROOK DRIVE, NAMBOUR**

TITLE  
**SEWER RETICULATION DETAILS**

DRAWN CA	DESIGNED JH	DATE AUG 2020
CHECKED JN	APPROVED <i>S. Neale</i> RPEQ 15650	
DRAWING No. <b>C3602 - CS106</b>		REV. <b>B</b>

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### LEGEND

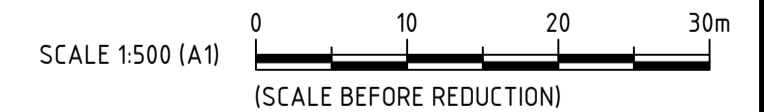
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	EXISTING WATER MAIN [*] DENOTES UTILITY CLASSIFICATION		EXISTING ELECTRICAL POLE
	EXISTING STORMWATER [*] DENOTES UTILITY CLASSIFICATION		EXISTING TELECOMMUNICATION PIT
	EXISTING TELECOMMUNICATIONS [*] DENOTES UTILITY CLASSIFICATION		EXISTING ELECTRICAL PILLAR - PROPOSED/EXISTING
	EXISTING OVERHEAD ELECTRICITY		SLUICE VALVE - PROPOSED/EXISTING
	PROPOSED WATER MAIN		FIRE HYDRANT - PROPOSED/EXISTING
	PROPOSED SEWERAGE MAIN		SCOUR VALVE - PROPOSED/EXISTING
	PROPOSED STORMWATER MAIN		REDUCER - PROPOSED/EXISTING
	PROPOSED RETAINING WALL (BY OTHERS)		EXISTING WATER METER
	PROPOSED EASEMENT		EXISTING TAP
	PROPOSED DRAINAGE RESERVE		PROPOSED WATER SERVICE ENTRY POINT

**NOTE:**  
CLASSIFICATION OF SUBSURFACE UTILITY INFORMATION  
IN ACCORDANCE WITH AUSTRALIAN STANDARD 5488.

**LIVE CONNECTION No. 1**  
REMOVE  
DN150 x DN100 TEE  
APPROX 22m LENGTH OF EXISTING DN100 PIPE  
DN100 VALVE  
DN100 END CAP  
CONTRACTORS TEMP END & DEAD PLATE  
INSTALL  
2 - DN150 APPROVED CONNECTORS  
DN150 x DN150 SF DICL TEE  
DN150 DF DICL VALVE  
DN180 TAIL PIECE, SS316 BACKING RING  
2 - DN180 EF COUPLER  
DN180 PE PIPE CTS

**LIVE CONNECTION No. 2**  
REMOVE  
DEAD END  
THRUST BLOCK  
INSTALL  
DN150 PVC-M PIPE CTS  
DN150 FS DICL CONNECTOR  
DN150 - DN100 DF DICL TAPER  
DN125 PE TAIL PIECE, SS316 BACKING RING  
DN125 45° EF BEND

**APPROVED WITH CONDITIONS**  
Application No: 2018012467S0  
Signed: *Sandya Handunnetti*  
Dated: 04/03/2021



REFER DWG. C3602-CA300 FOR GENERAL NOTES.

REAL PROPERTY DESCRIPTION  
LOT 2 ON SP273404

PLAN  
SCALE 1:500

FOR CONTINUATION REFER TO DRG C3602-CW102

FOR CONTINUATION REFER TO DRG C3602-CW101

STAGE 3  
(15 LOTS)

STAGE 1  
(18 LOTS)

REV.	DESCRIPTION	DATE	INIT.
A	FOR APPROVAL	02.10.20	CA
B	RFI RESPONSE	04.03.21	JH

**MILANOVIC NEALE CONSULTING ENGINEERS**  
BRISBANE PH No. (07) 3255 1877 | IPSWICH PH No. (07) 3281 6603

**CIVIL STRUCTURAL TRAFFIC PROJECT MANAGEMENT**  
SYDNEY PH No. 1300 827 901 | GOLD COAST PH No. 1300 827 901

CONTACT DETAILS  
E mail@mnce.com.au | W www.mnce.com.au

CLIENT  
**PARKER PROPERTY NINGI PTY LTD**

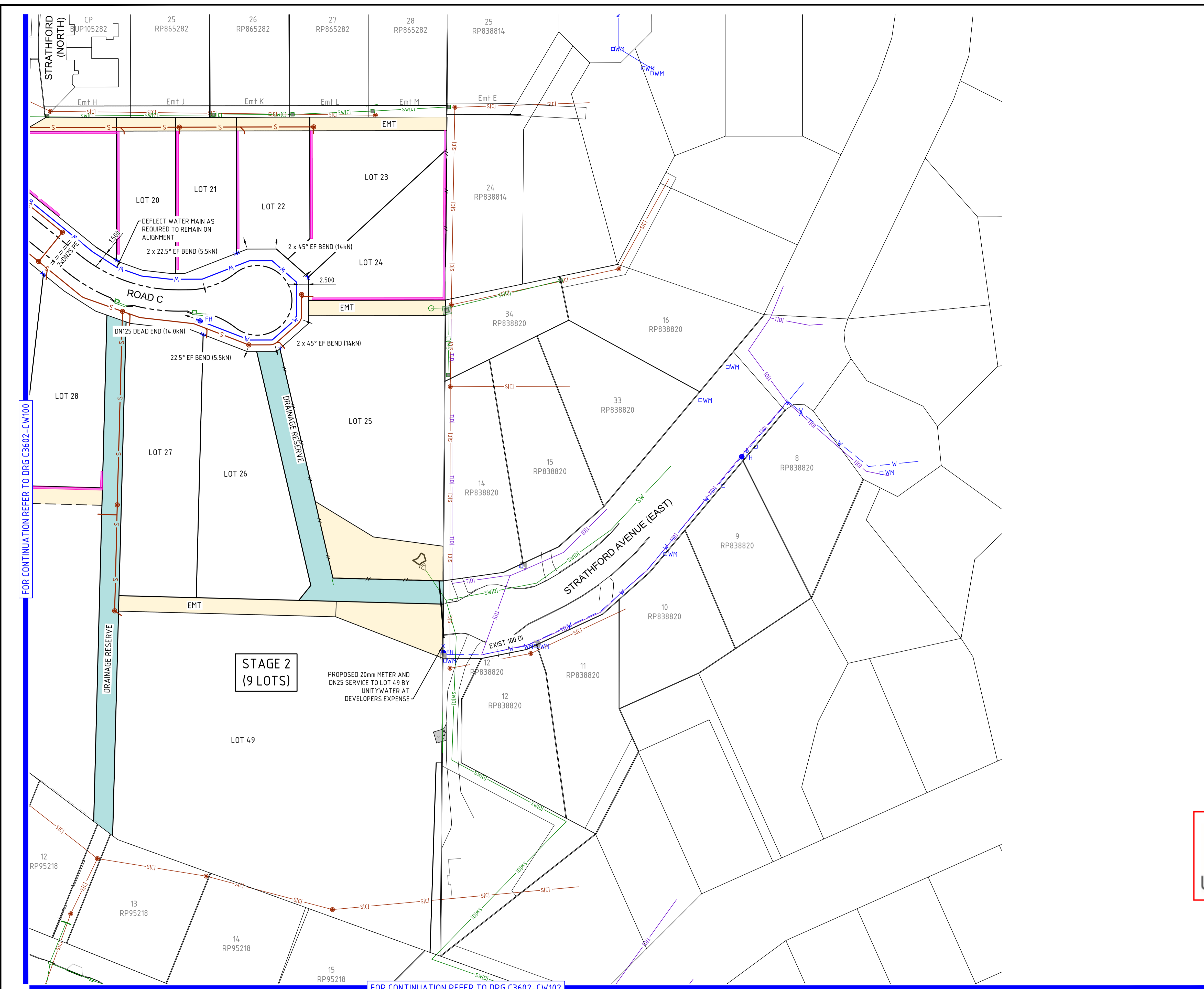
PROJECT  
**41 GLENBROOK DRIVE, NAMBOUR**

TITLE  
**WATER RETICULATION LAYOUT PLAN SHEET 1 OF 3**

DRAWN	DESIGNED	DATE
CA	JH	AUG 2020
CHECKED	APPROVED	
JN	<i>S. Neale</i>	<b>RPEQ 15650</b>
DRAWING No.	REV.	
<b>C3602 - CW100</b>	<b>B</b>	

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**LEGEND**

	EXISTING SEWER MAIN [*] DENOTES UTILITY CLASSIFICATION
	EXISTING WATER MAIN [*] DENOTES UTILITY CLASSIFICATION
	EXISTING STORMWATER [*] DENOTES UTILITY CLASSIFICATION
	EXISTING TELECOMMUNICATIONS [*] DENOTES UTILITY CLASSIFICATION
	EXISTING OVERHEAD ELECTRICITY
	PROPOSED WATER MAIN
	PROPOSED SEWERAGE MAIN
	PROPOSED STORMWATER MAIN
	PROPOSED RETAINING WALL (BY OTHERS)
	PROPOSED EASEMENT
	PROPOSED DRAINAGE RESERVE
	PROPOSED ELECTRICAL POLE
	EXISTING ELECTRICAL POLE
	EXISTING TELECOMMUNICATION PIT
	EXISTING ELECTRICAL PILLAR - PROPOSED/EXISTING
	SLUICE VALVE - PROPOSED/EXISTING
	FIRE HYDRANT - PROPOSED/EXISTING
	SCOUR VALVE - PROPOSED/EXISTING
	REDUCER - PROPOSED/EXISTING
	EXISTING WATER METER
	EXISTING TAP
	PROPOSED WATER SERVICE ENTRY POINT

**NOTE:**  
CLASSIFICATION OF SUBSURFACE UTILITY INFORMATION  
IN ACCORDANCE WITH AUSTRALIAN STANDARD 5488.

**APPROVED WITH CONDITIONS**  
Application No: 2018012467S0  
Signed: *Sandya Handunnetti*  
Dated: 04/03/2021



REFER DWG. C3602-CA300 FOR GENERAL NOTES.

REAL PROPERTY DESCRIPTION  
LOT 2 ON SP273404

REV.	DESCRIPTION	DATE	INIT.
A	FOR APPROVAL	02.10.20	CA
B	RFI RESPONSE	04.03.21	JH

**MILANOVIC NEALE**  
 CONSULTING ENGINEERS  
BRISBANE PH No. (07) 3255 1877    IPSWICH PH No. (07) 3281 6603

**CIVIL STRUCTURAL**  
 TRAFFIC  
 PROJECT MANAGEMENT  
SYDNEY PH No. 1300 827 901    GOLD COAST PH No. 1300 827 901

CONTACT DETAILS  
E mail@mnce.com.au  
W www.mnce.com.au

**PLAN**  
SCALE 1500

CLIENT <b>PARKER PROPERTY NINGI PTY LTD</b>	PROJECT <b>41 GLENBROOK DRIVE, NAMBOUR</b>	TITLE <b>WATER RETICULATION LAYOUT PLAN SHEET 2 OF 3</b>
--	---	---

DRAWN CA	DESIGNED JH	DATE AUG 2020	
CHECKED JN	APPROVED <i>S. Handunnetti</i>	<b>RPEQ 15650</b>	
DRAWING No. <b>C3602 - CW101</b>		REV. <b>B</b>	

DO NOT SCALE FROM DRAWING  
ALL SCALES ARE AS SHOWN (A1)

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FOR CONTINUATION REFER TO DRG C3602-CW100

STAGE 1  
(18 LOTS)

STAGE 4  
(10 LOTS)

FOR CONTINUATION REFER TO DRG C3602-CW101

- LEGEND**
- (SIC) EXISTING SEWER MAIN  
[\*] DENOTES UTILITY CLASSIFICATION
  - (WID) EXISTING WATER MAIN  
[\*] DENOTES UTILITY CLASSIFICATION
  - (SWID) EXISTING STORMWATER MAIN  
[\*] DENOTES UTILITY CLASSIFICATION
  - (TID) EXISTING TELECOMMUNICATIONS  
[\*] DENOTES UTILITY CLASSIFICATION
  - (E-OH) EXISTING OVERHEAD ELECTRICITY
  - (W) PROPOSED WATER MAIN
  - (S) PROPOSED SEWERAGE MAIN
  - (SW) PROPOSED STORMWATER MAIN
  - PROPOSED EASEMENT
  - PROPOSED DRAINAGE RESERVE
  - (EP) ● (LP) ● (TP) PROPOSED ELECTRICAL POLE
  - (EP) ○ (LP) ○ (TP) EXISTING ELECTRICAL POLE
  - ▣ (T) EXISTING TELECOMMUNICATION PIT
  - ▣ (E) EXISTING ELECTRICAL PILLAR - PROPOSED/EXISTING
  - ⊥ (FV) SLUICE VALVE - PROPOSED/EXISTING
  - ⊥ (FH) FIRE HYDRANT - PROPOSED/EXISTING
  - ⊥ (SV) SCOUR VALVE - PROPOSED/EXISTING
  - ⊥ (R) REDUCER - PROPOSED/EXISTING
  - ⊥ (WM) EXISTING WATER METER
  - ⊥ (T) EXISTING TAP
  - ⊥ (WSEP) PROPOSED WATER SERVICE ENTRY POINT

**NOTE:**  
CLASSIFICATION OF SUBSURFACE UTILITY INFORMATION  
IN ACCORDANCE WITH AUSTRALIAN STANDARD 5488.

SCENT

**APPROVED WITH CONDITIONS**  
Application No: 2018012467S0  
Signed: *Sandya Handunnetti*  
Dated: 04/03/2021



REFER DWG. C3602-CA300 FOR GENERAL NOTES.

REAL PROPERTY DESCRIPTION  
LOT 2 ON SP273404

PLAN  
SCALE 1:500

DO NOT SCALE FROM DRAWING  
ALL SCALES ARE AS SHOWN (A1)

REV.	DESCRIPTION	DATE	INIT.
A	FOR APPROVAL	02.10.20	CA
B	RFI RESPONSE	04.03.21	JH

**MILANOVIC NEALE CONSULTING ENGINEERS**  
BRISBANE PH No. (07) 3255 1877 | IPSWICH PH No. (07) 3281 6603

**CIVIL STRUCTURAL TRAFFIC PROJECT MANAGEMENT**  
SYDNEY PH No. 1300 827 901 | GOLD COAST PH No. 1300 827 901

CONTACT DETAILS  
E mail@mnce.com.au  
W www.mnce.com.au

**JAS-ANZ** **SGS**

CLIENT  
**PARKER PROPERTY NINGI PTY LTD**

PROJECT  
**41 GLENBROOK DRIVE, NAMBOUR**

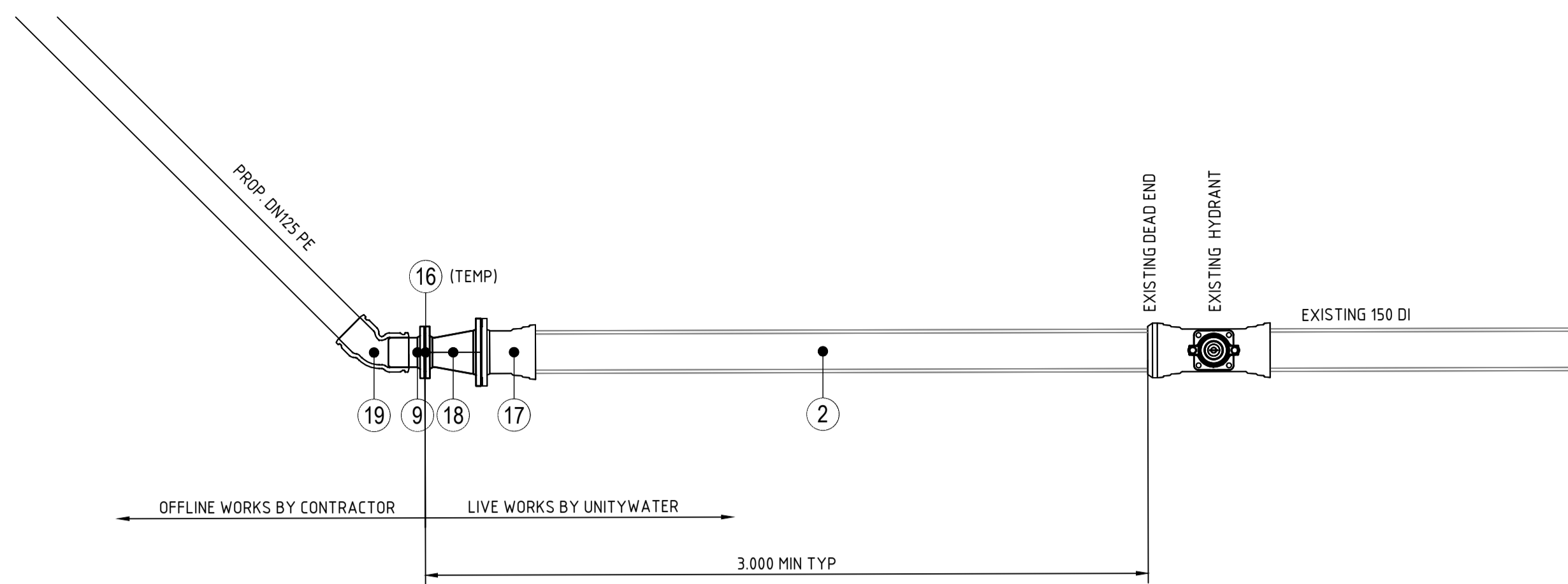
TITLE  
**WATER RETICULATION LAYOUT PLAN SHEET 3 OF 3**

DRAWN: CA  
DESIGNED: JH  
DATE: AUG 2020

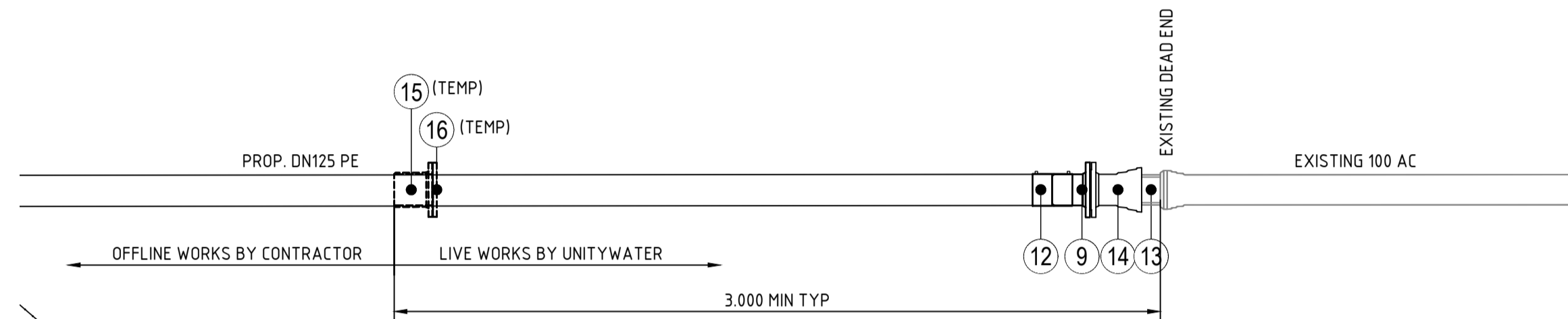
CHECKED: JN  
APPROVED: *S. Handunnetti*  
RPEQ 15650

DRAWING No. **C3602 - CW102**  
REV. **B**

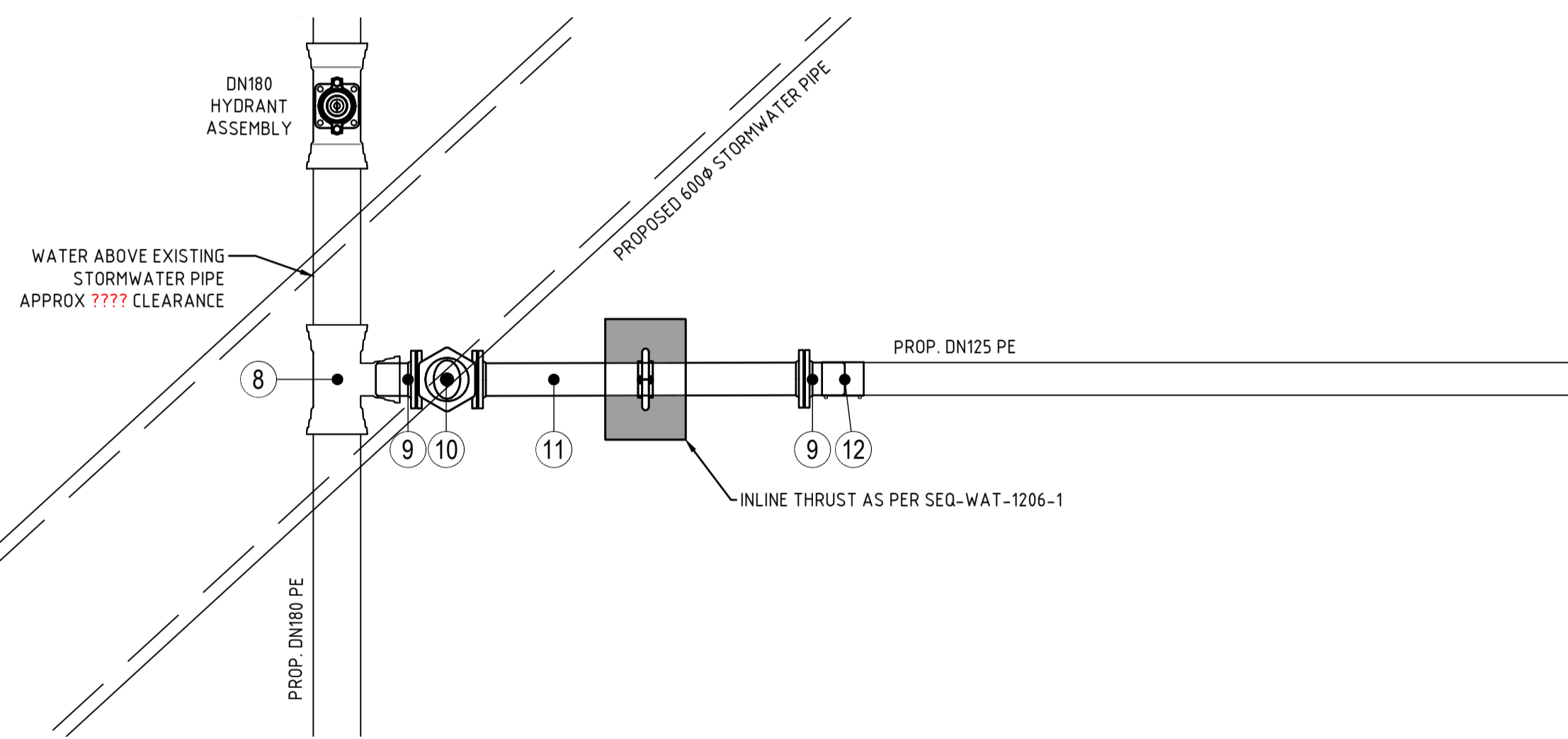
© MILANOVIC NEALE CONSULTING ENGINEERS



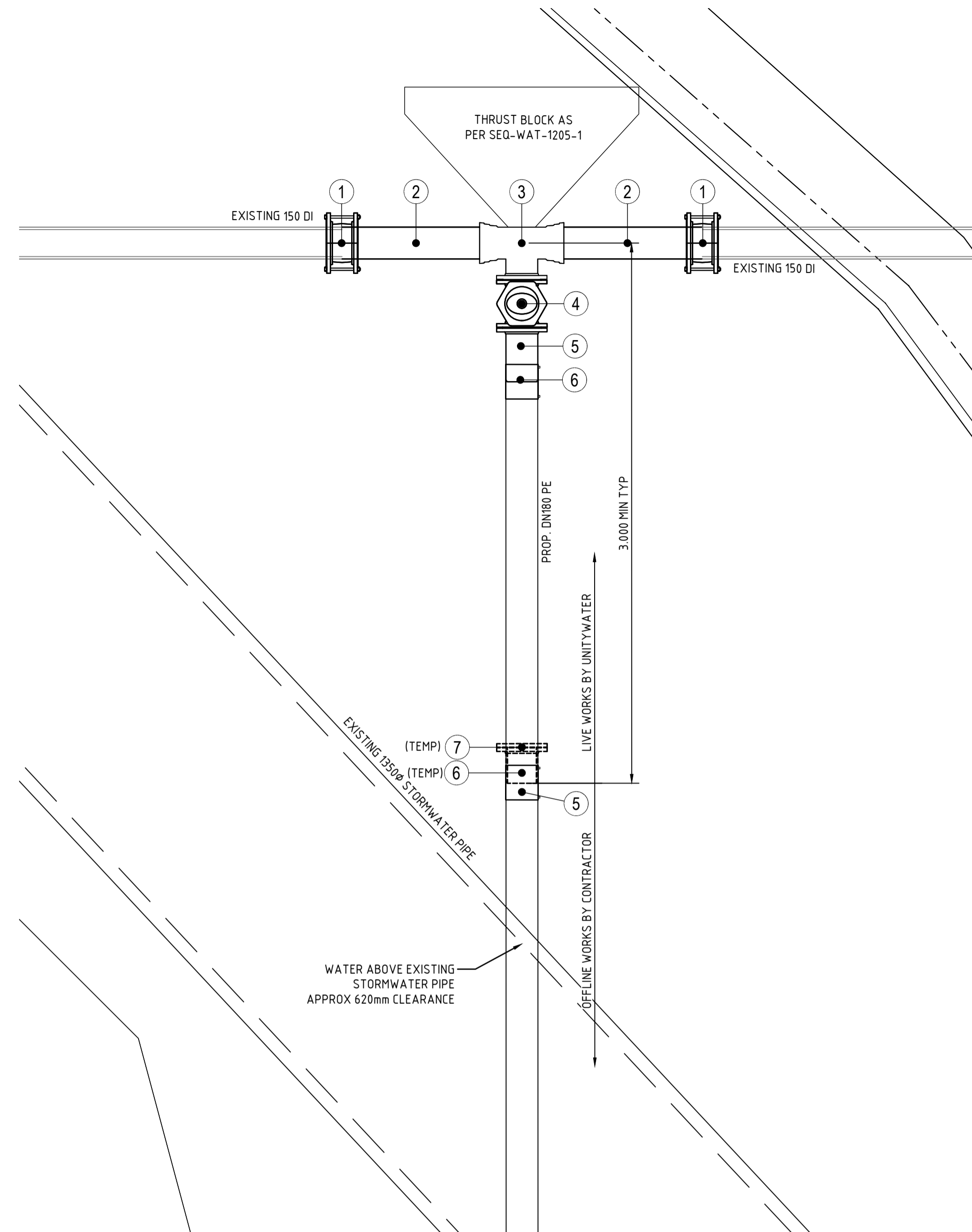
**LIVE CONNECTION 2 - GLENBROOK DRIVE  
(NEAR JACK STREET)**  
SCALE 1:20



**LIVE CONNECTION 3 - NICHOLS STREET**  
SCALE 1:20



**CONNECTION A**  
SCALE 1:20

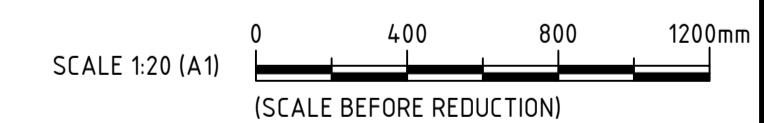


**LIVE CONNECTION 1 - GLENBROOK DRIVE**  
SCALE 1:20

**SCHEDULE**

- ① DN150 GIBALT JOINT
- ② DN150 PVC-M PIPE CTS
- ③ DN150 x DN150 SF DICL TEE
- ④ DN150 DF DICL VALVE
- ⑤ DN180 EF COUPLER
- ⑥ DN180 PE TAIL PIECE, SS316 BACKING RING
- ⑦ DN150 DEAD PLATE WITH PRE-TAPPED TEST POINT (REMOVED DURING LIVE WORKS BY UNITYWATER)
- ⑧ DN180 x DN125 EF PE TEE
- ⑨ DN125 PE TAIL PIECE, SS316 BACKING RING
- ⑩ DN100 DF DICL VALVE
- ⑪ DN100 DF 1.22m DICL PIPE, PUDDLE PLANGE AND CONCRETE THRUST BLOCK
- ⑫ DN125 EF COUPLER
- ⑬ DN100 PVC-M PIPE CTS
- ⑭ DN100 FL-SC DICL CONNECTOR
- ⑮ DN125 PE TAIL PIECE, SS316 BACKING RING
- ⑯ DN100 DEAD PLATE WITH PRE-TAPPED TEST POINT (REMOVED DURING LIVE WORKS BY UNITYWATER)
- ⑰ DN150 FL-SC DICL CONNECTOR
- ⑱ DN150 x DN100 DF DICL TAPER
- ⑲ DN125 45° EF BEND

**APPROVED WITH CONDITIONS**  
 Application No: 2018012467S0  
 Signed: *Sandya Handunnetti*  
 Dated: 04/03/2021



REFER DWG. C3602-CA300 FOR GENERAL NOTES.

REAL PROPERTY DESCRIPTION  
 LOT 2 ON SP273404

DO NOT SCALE FROM DRAWING ALL SCALES ARE AS SHOWN (A1)

REV.	DESCRIPTION	DATE	INIT.
A	FOR APPROVAL	02.10.20	CA
B	RFI RESPONSE	04.03.21	JH

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**CIVIL STRUCTURAL TRAFFIC PROJECT MANAGEMENT**

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JAS-ANZ  
 SGS

CLIENT  
**PARKER PROPERTY NINGI PTY LTD**

PROJECT  
**41 GLENBROOK DRIVE, NAMBOUR**

TITLE  
**WATER RETICULATION DETAILS**

DRAWN	DESIGNED	DATE
CA	JH	AUG 2020
CHECKED	APPROVED	
JN	<i>S. Neale</i>	<b>RPEQ 15650</b>
DRAWING No.	REV.	
<b>C3602 - CW103</b>	<b>B</b>	

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