

Appendix A

Utilities located within the proposal area



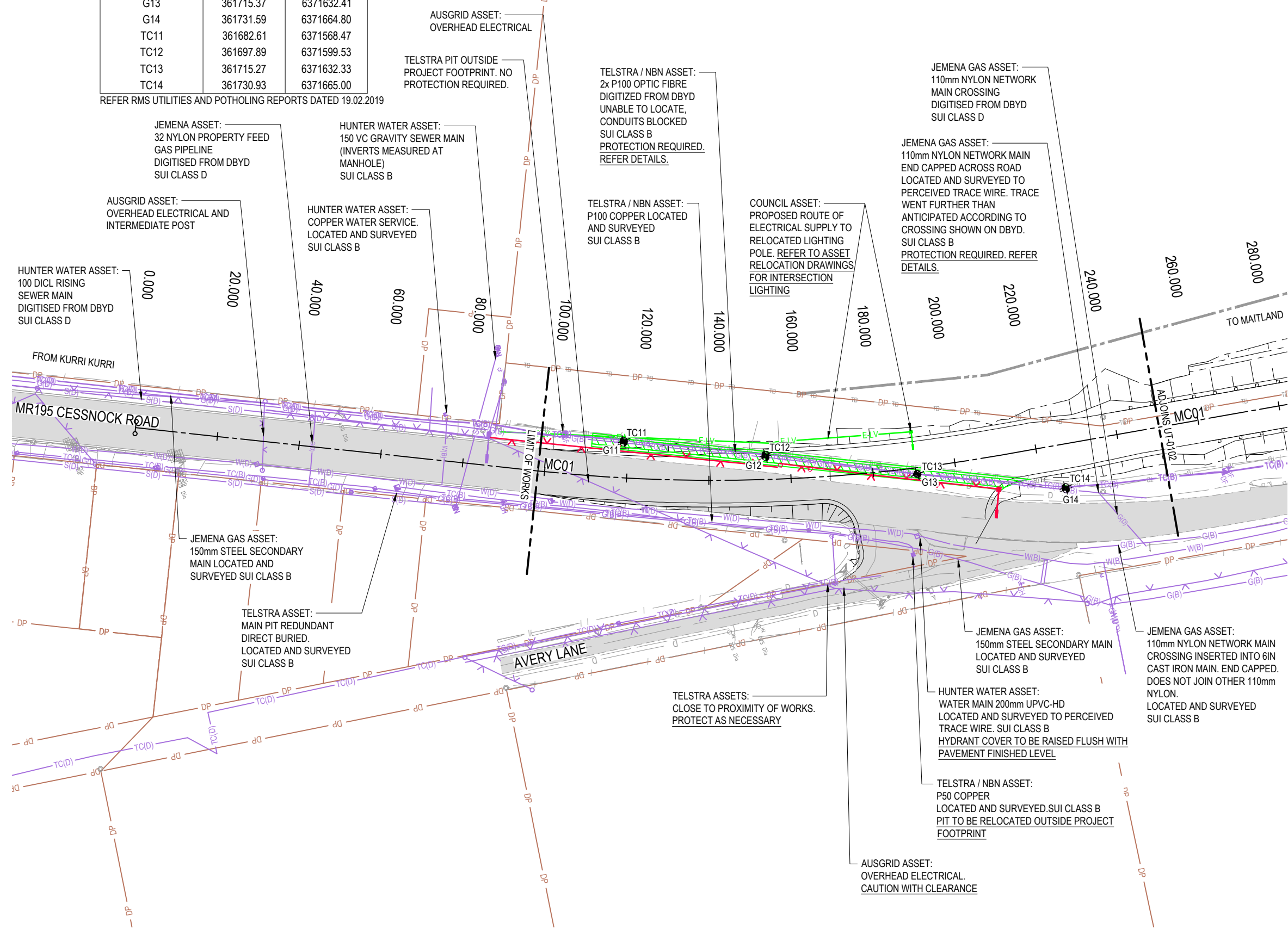
BOREHOLE LOCATION SCHEDULE

BORHOLE NUMBER	EASTING	NORTHING
G11	361683.12	6371568.15
G12	361698.54	6371599.22
G13	361715.37	6371632.41
G14	361731.59	6371664.80
TC11	361682.61	6371568.47
TC12	361697.89	6371599.53
TC13	361715.27	6371632.33
TC14	361730.93	6371665.00

REFER RMS UTILITIES AND POTHOLING REPORTS DATED 19.02.2019

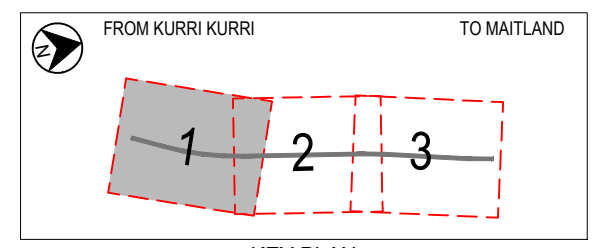
LEGEND

- EXISTING PAVEMENT
- EARTHWORKS AND GROUND INTERFACE
- NEW CADASTRAL BOUNDARY
- CHARACTERS DENOTING UTILITY TYPE:
TC: COMMUNICATIONS
G: GAS
E: ELECTRICITY (OVERHEAD ELECTRICITY SHOWN WITH LINETYPE SYMBOLOGY)
W: WATER SUPPLY
S: SEWER
- (QL-X) X DENOTES CLASSIFICATION OF SUB-SURFACE UTILITY INFORMATION STANDARD AS5488: QUALITY LEVEL D (QL-D), C (QL-C), B (QL-B), A (QL-A)
- RETAIN EXISTING UTILITIES
- REMOVE EXISTING UTILITIES
- DESIGN UTILITIES
- UNDERGROUND UTILITY PROTECTION. REFER DETAILS IN RD DRAWING SERIES.



NOTES

- UTILITY INFORMATION SHOWN ON THE PLANS DOES NOT DEPICT ANY MORE THAN THE PRESENCE OF A SERVICE, BASED ON AVAILABLE DOCUMENTARY EVIDENCE. THE PRESENCE OF A UTILITY SERVICE, ITS SIZE AND LOCATION SHOULD BE CONFIRMED BY FIELD INSPECTION, PRIOR TO THE COMMENCEMENT OF ROADWORKS AND THE RELEVANT UTILITY PLANS OBTAINED BY DIALLING PH 1100 OR FAX 1300652 077 (DIAL BEFORE YOU DIG). CAUTION SHOULD BE EXERCISED WHEN WORKING IN THE VICINITY OF ALL UTILITY SERVICES.



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DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING DS2019\000008-DESI-DD100-190409	REV	DATE	AMENDMENT / REVISION DESCRIPTION	APPROVAL	SCALES ON A3 SIZE DRAWING	DRAWINGS / DESIGN PREPARED BY 710 Hunter Street Newcastle West, NSW 2302 AUSTRALIA Tel: (02) 4979 2600 Fax: (02) 4979 2666 Web: www.jacobs.com		TITLE	NAME	DATE	PREPARED FOR HUNTER REGION ENGINEERING SERVICES NEWCASTLE		RMS REGISTRATION No. DS2019/000008	PART -
	0	-	NOT ISSUED FOR INFORMATION ONLY	DA	SCALE 1:1000 	CO-ORDINATE SYSTEM MGA ZONE 56	HEIGHT DATUM AHD	DESIGN	A. HYLAND	09.04.19	ISSUE STATUS INFORMATION DOCUMENT	EDMS No. SF2013/166126	SHEET No. UT-0101	REV 2

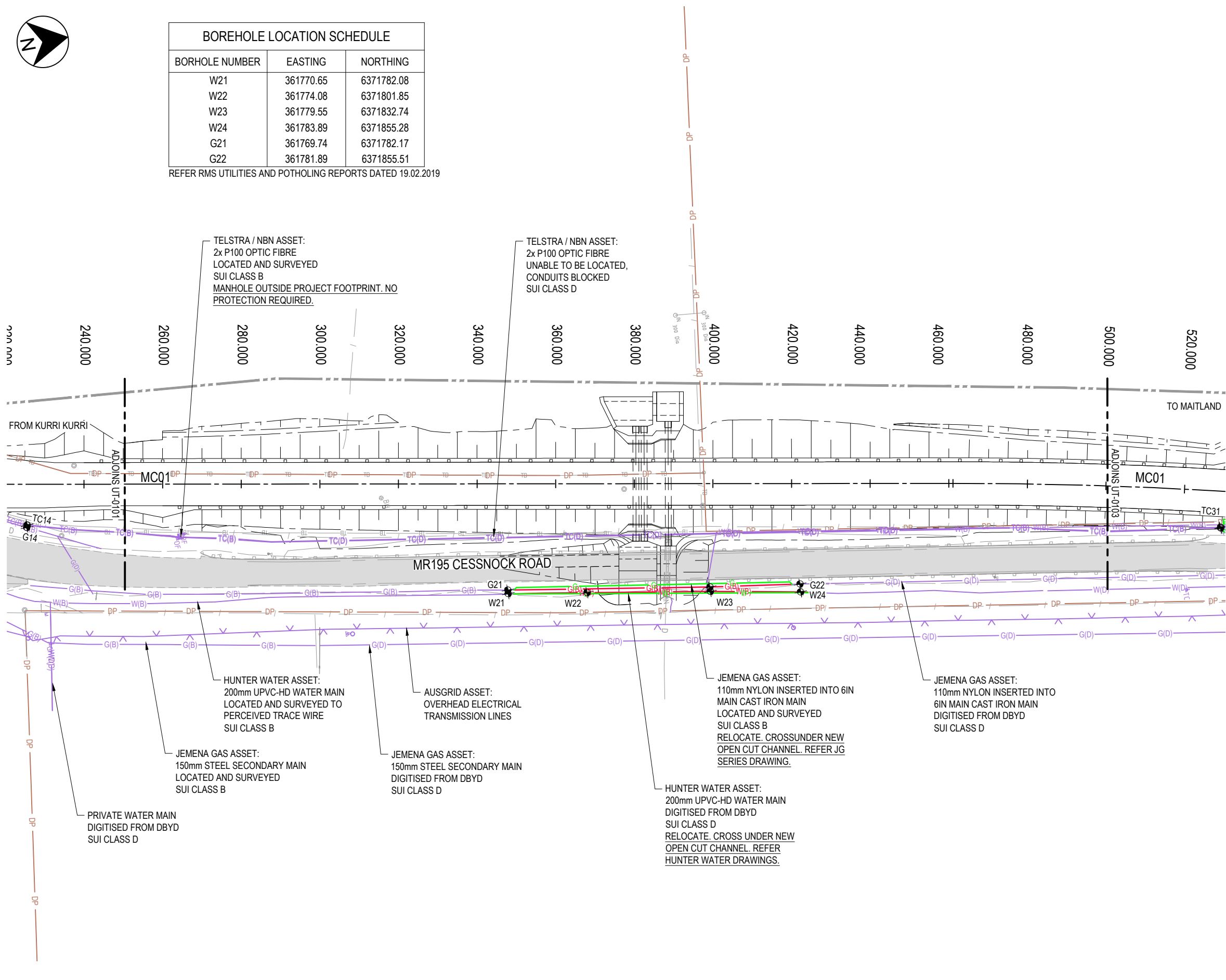


BOREHOLE LOCATION SCHEDULE		
BORHOLE NUMBER	EASTING	NORTHING
W21	361770.65	6371782.08
W22	361774.08	6371801.85
W23	361779.55	6371832.74
W24	361783.89	6371855.28
G21	361769.74	6371782.17
G22	361781.89	6371855.51

REFER RMS UTILITIES AND POTHOLING REPORTS DATED 19.02.2019

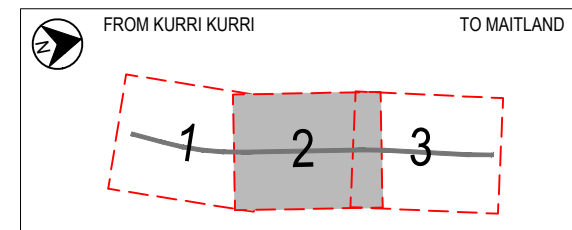
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	1	09.04.19	FOR INFORMATION ONLY		CO-ORDINATE SYSTEM MGA ZONE 56	710 Hunter Street Newcastle West, NSW 2302 AUSTRALIA Tel: (02) 4979 2600 Fax (02) 4979 2666 Web: www.jacobs.com																						
	2		FOR INFORMATION ONLY		HEIGHT DATUM AHD	<table border="1"> <thead> <tr> <th>TITLE</th> <th>NAME</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>DRAWN</td> <td>J. PARISH</td> <td>09.04.19</td> </tr> <tr> <td>DRG CHECK</td> <td>A. HYLAND</td> <td>09.04.19</td> </tr> <tr> <td>DESIGN</td> <td>A. HYLAND</td> <td>09.04.19</td> </tr> <tr> <td>DESIGN CHECK</td> <td>T. McINTYRE</td> <td>09.04.19</td> </tr> <tr> <td>DESIGN MNGR</td> <td>D. ARMSTRONG</td> <td>09.04.19</td> </tr> <tr> <td>PROJECT MNGR</td> <td>J. MAGIN</td> <td>09.04.19</td> </tr> </tbody> </table>		TITLE	NAME	DATE	DRAWN	J. PARISH	09.04.19	DRG CHECK	A. HYLAND	09.04.19	DESIGN	A. HYLAND	09.04.19	DESIGN CHECK	T. McINTYRE	09.04.19	DESIGN MNGR	D. ARMSTRONG	09.04.19	PROJECT MNGR	J. MAGIN	09.04.19
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CO-ORDINATE SYSTEM MGA ZONE 56		HEIGHT DATUM AHD		PREPARED FOR HUNTER REGION ENGINEERING SERVICES NEWCASTLE	

LGA178 - MAITLAND COUNCIL, LGA 186 - CESSNOCK COUNCIL		SHEET 2 OF 3	
MR195 CESSNOCK ROAD			
MAINTAIN ACCESS DURING FLOOD EVENTS			
GILLIESTON HEIGHTS (TESTERS HOLLOW)			
UTILITY COORDINATION PLAN			
CH250 TO CH500			
RMS REGISTRATION No. DS2019/000008		PART -	
ISSUE STATUS INFORMATION DOCUMENT		EDMS No. SF2013/166126	SHEET No. UT-0102
		REV 2	

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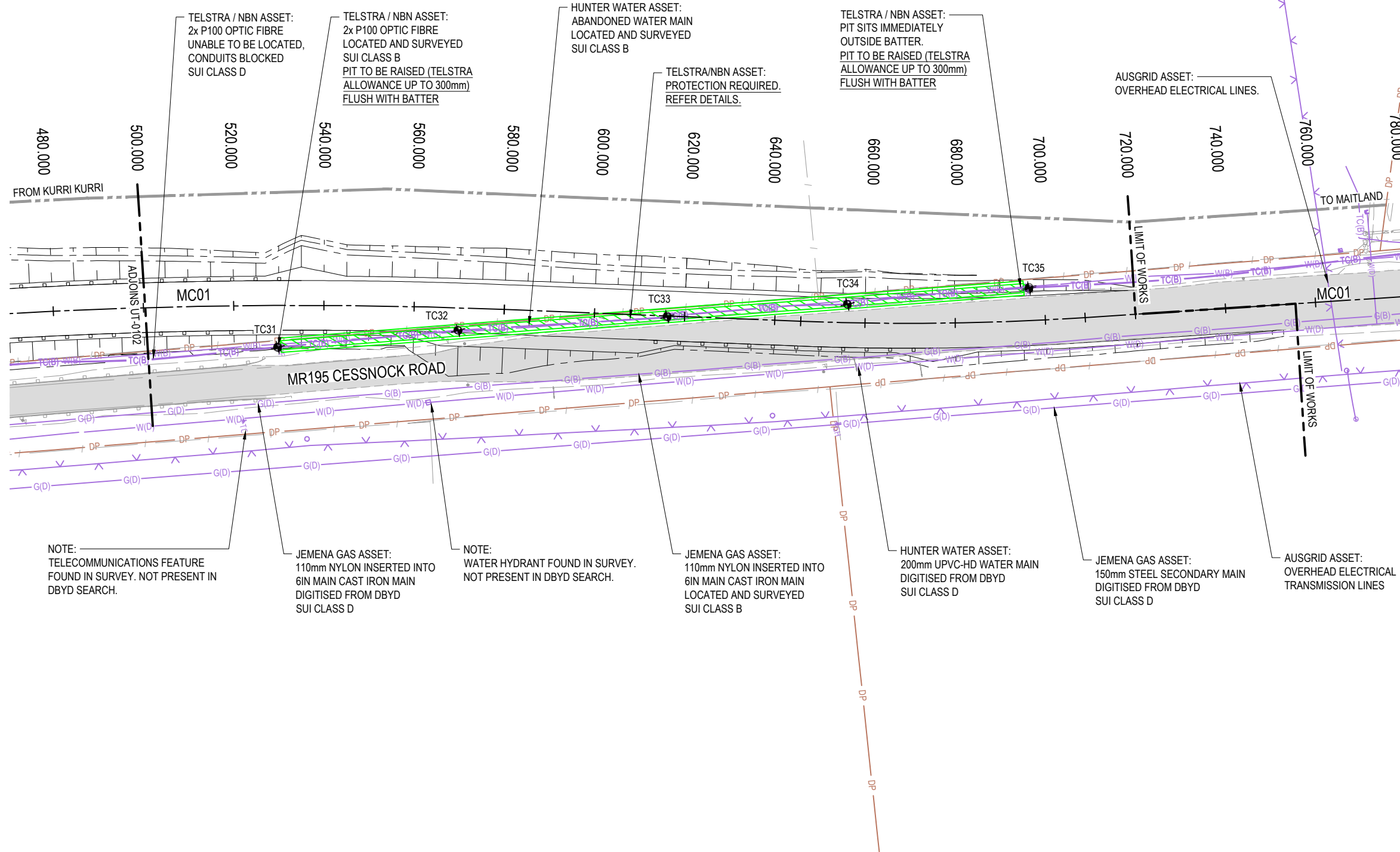


BOREHOLE LOCATION SCHEDULE		
BORHOLE NUMBER	EASTING	NORTHING
TC31	361787.38	6371963.33
TC32	361793.58	6372002.96
TC33	361802.13	6372048.60
TC34	361809.13	6372088.10
TC35	361815.44	6372128.03

REFER RMS UTILITIES AND POTHOLING REPORTS DATED 19.02.2019

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NOTE: TELECOMMUNICATIONS FEATURE FOUND IN SURVEY. NOT PRESENT IN DBYD SEARCH.

JEMENA GAS ASSET: 110mm NYLON INSERTED INTO 6IN MAIN CAST IRON MAIN DIGITISED FROM DBYD SUI CLASS D

NOTE: WATER HYDRANT FOUND IN SURVEY. NOT PRESENT IN DBYD SEARCH.

JEMENA GAS ASSET: 110mm NYLON INSERTED INTO 6IN MAIN CAST IRON MAIN LOCATED AND SURVEYED SUI CLASS B

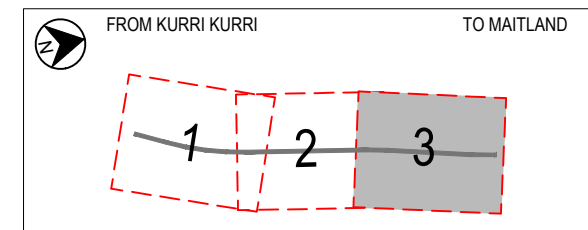
HUNTER WATER ASSET: 200mm UPVC-HD WATER MAIN DIGITISED FROM DBYD SUI CLASS D

JEMENA GAS ASSET: 150mm STEEL SECONDARY MAIN DIGITISED FROM DBYD SUI CLASS D

AUSGRID ASSET: OVERHEAD ELECTRICAL TRANSMISSION LINES

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150mm ON A3 SIZE ORIGINAL

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