

Appendix A

Utilities located within the proposal area



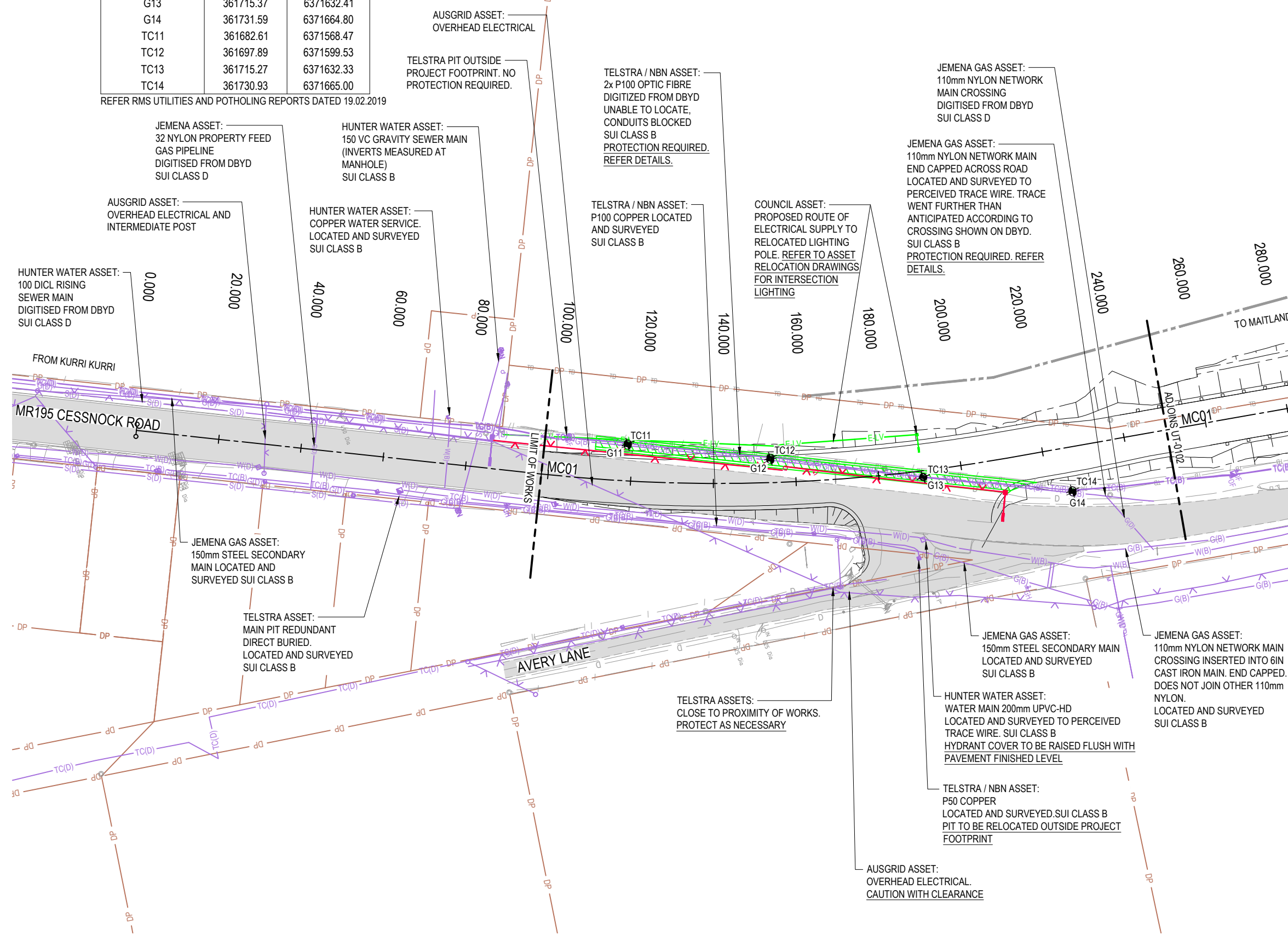
BOREHOLE LOCATION SCHEDULE

| 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

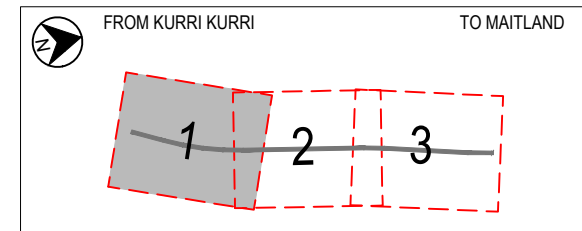
LEGEND

- 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 |
| | 1 | 26.10.18 | FOR INFORMATION ONLY | DA | | | | DESIGN CHECK | T. McINTYRE | 09.04.19 | REVISION | | | |
| | 2 | 09.04.19 | FOR INFORMATION ONLY | DA | | | | DESIGN MNGR | D. ARMSTRONG | 09.04.19 | REV | | | 2 |
| | | | | | | | | PROJECT MNGR | J. MAGIN | 09.04.19 | © Roads and Maritime Services | | | |

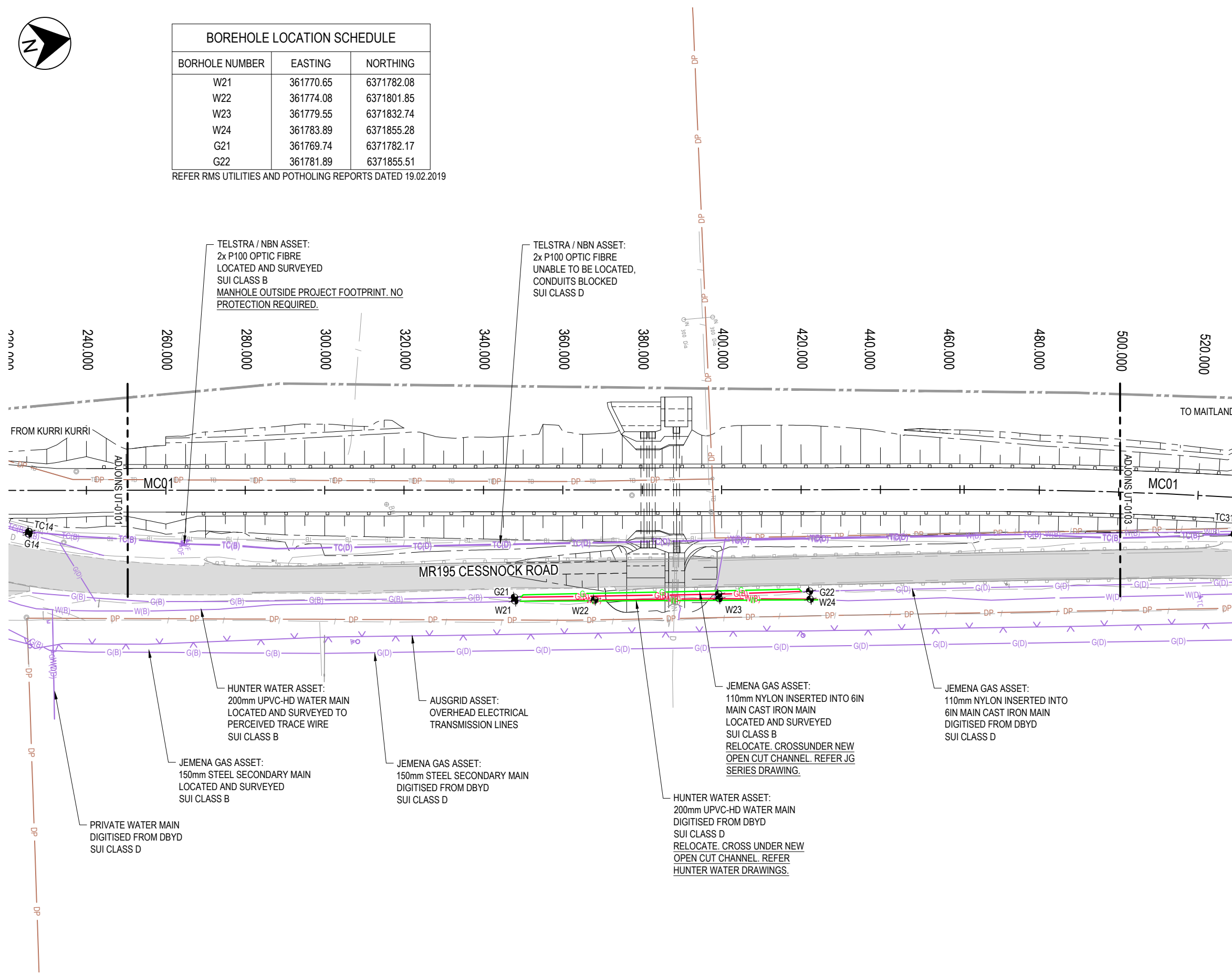


| BOREHOLE LOCATION SCHEDULE | | |
|----------------------------|-----------|------------|
| BORHOLE NUMBER | EASTING | NORTHING |
| W21 | 361770.65 | 6371782.08 |
| W22 | 361774.08 | 6371801.85 |
| W23 | 361779.55 | 6371832.74 |
| W24 | 361783.89 | 6371855.28 |
| G21 | 361769.74 | 6371782.17 |
| G22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

REFER RMS UTILITIES AND POTHOLING REPORTS DATED 19.02.2019

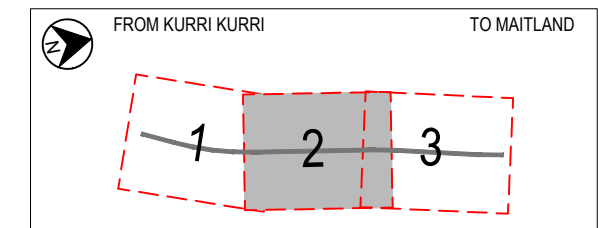
LEGEND

- EXISTING PAVEMENT
- EARTHWORKS AND GROUND INTERFACE
- NEW CADASTRAL BOUNDARY
- CHARACTERS DENOTING UTILITY TYPE: W001 G001
- 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)
- TC(C) RETAIN EXISTING UTILITIES
- TC(C) REMOVE EXISTING UTILITIES
- TC DESIGN UTILITIES
- UNDERGROUND UTILITY PROTECTION. REFER DETAILS IN RD DRAWING SERIES.



NOTES

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150mm ON A3 SIZE ORIGINAL

| | | | | | | | | | | | | | | | | | |
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| DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING DS2019\000008-DESI-DD100-190409 | REV 0 1 2 | DATE - 26.10.18 09.04.19 | AMENDMENT / REVISION DESCRIPTION NOT ISSUED FOR INFORMATION ONLY FOR INFORMATION ONLY | APPROVAL DA DA | SCALES ON A3 SIZE DRAWING SCALE 1:1000 0 10 20 AT A3 | 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 | ISSUE STATUS INFORMATION DOCUMENT | EDMS No. SF2013/166126 | SHEET No. UT-0102 | REV 2 |
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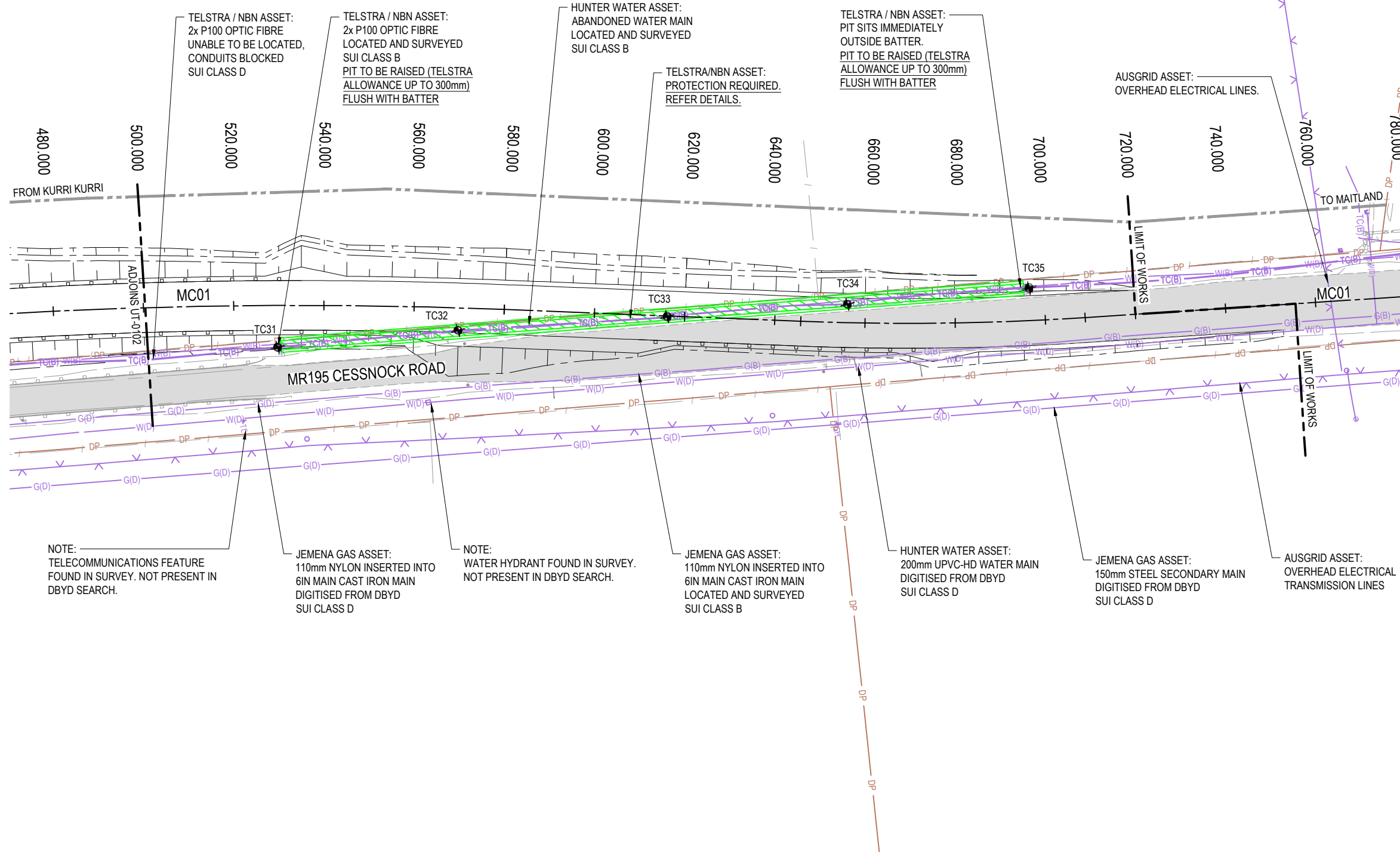


| BOREHOLE LOCATION SCHEDULE | | |
|----------------------------|-----------|------------|
| BORHOLE NUMBER | EASTING | NORTHING |
| TC31 | 361787.38 | 6371963.33 |
| TC32 | 361793.58 | 6372002.96 |
| TC33 | 361802.13 | 6372048.60 |
| TC34 | 361809.13 | 6372088.10 |
| TC35 | 361815.44 | 6372128.03 |

REFER RMS UTILITIES AND POTHOLING REPORTS DATED 19.02.2019

LEGEND

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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

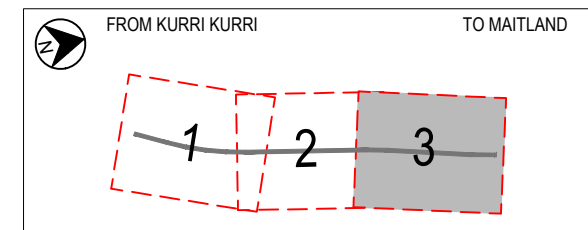
HUNTER WATER ASSET: 200mm UPVC-HD WATER MAIN DIGITISED FROM DBYD SUI CLASS D

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

AUSGRID ASSET: OVERHEAD ELECTRICAL TRANSMISSION LINES

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| DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING DS2019\000008-DESI-DD100-190409 | REV 0 1 2 | DATE - 26.10.18 09.04.19 | AMENDMENT / REVISION DESCRIPTION NOT ISSUED FOR INFORMATION ONLY FOR INFORMATION ONLY | APPROVAL DA DA | SCALES ON A3 SIZE DRAWING SCALE 1:1000 0 10 20 AT A3 | COORDINATE SYSTEM MGA ZONE 56 | HEIGHT DATUM AHD | 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 | RMS REGISTRATION No. DS2019/000008 | PART - | |
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| DESIGN MNGR D. ARMSTRONG | | 09.04.19 | | PROJECT MNGR J. MAGIN | | 09.04.19 | | PREPARED FOR HUNTER REGION ENGINEERING SERVICES NEWCASTLE | | ISSUE STATUS INFORMATION DOCUMENT | | EDMS No. SF2013/166126 | | SHEET No. UT-0103 | |
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