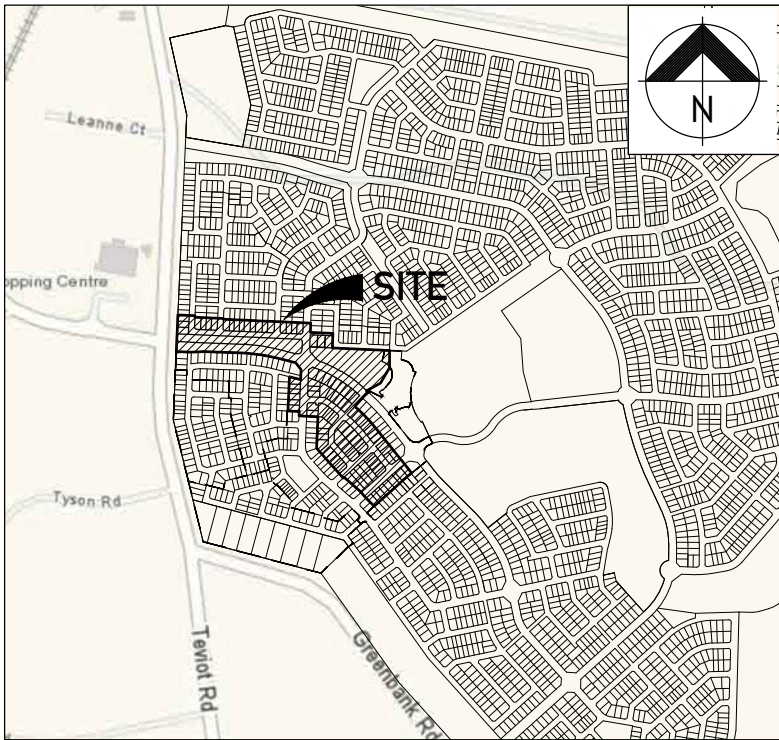


EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT

TEVIOT ROAD, GREENBANK

FOR MIRVAC

WATER RETICULATION



LOCALITY PLAN

SCALE 1:10000 (A1)

| SHEET LIST TABLE |   |
|------------------|---|
| SHEET NO.        | SHEET TITLE                                 |
| C700             | WATER RETICULATION LOCALITY PLAN & NOTES    |
| C701             | WATER MAIN TEVIOT ROAD CROSSING PLAN        |
| C702             | WATER RETICULATION LAYOUT PLAN SHEET 1 OF 3 |
| C703             | WATER RETICULATION LAYOUT PLAN SHEET 2 OF 3 |
| C704             | WATER RETICULATION LAYOUT PLAN SHEET 3 OF 3 |

GENERAL NOTES

- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT SOUTH EAST QUEENSLAND WATER SUPPLY 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 THE STANDARD DRAWINGS.
- ALL MATERIALS USED IN THE WORKS SHALL COMPLY WITH THE SEQ-SP's 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 BY THE SEQ-SP.
- ALL CONCRETE FOOTPATHS TO BE CLEAR OF WATER MAINS, WHERE POSSIBLE.
- TEST/CHLORINATION POINTS TO BE INSTALLED AT THE ENDS OF ALL MAINS BEFORE THE SCOUR AND WHERE REQUIRED FOR COMMISSIONING PURPOSES, IN ACCORDANCE WITH STANDARD DRAWING NO SEQ-WAT-1410-1.
- 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.
- ALL WATER CONSTRUCTION WORK UNDERTAKEN BY THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE QUEENSLAND WORK HEALTH AND SAFETY ACT 2011. CONTACT THE DIVISION OF WORKPLACE HEALTH & SAFETY FOR INFORMATION. PHONE: 1300 362 128.
- CONSTRUCT THRUST BLOCKS ON ALL BENDS, TEES, TAPERS AND DEAD ENDS IN ACCORDANCE WITH SEQ-WAT-1205-1, AND SEQ-WAT-1206-1.
- CONSTRUCT TRENCHES IN ACCORDANCE WITH SEQ-WAT-1200-2, PIPE EMBEDMENT TO SEQ-WAT-1201-1 (TYPE C SUPPORT) AND ROAD CROSSINGS TO SEQ-WAT-1204-1 AND BCC STANDARDS.
- INSTALL SCOURS IN ACCORDANCE WITH SEQ-WAT-1307-2.
- INSTALL DETECTABLE MARKER TAPE ON ALL WATER MAINS AND PROPERTY SERVICES.
- INSTALL HYDRANTS IN ACCORDANCE WITH SEQ-WAT-1302-1, SEQ-WAT-1303-2 AND SEQ-WAT-1409-1
- INSTALL PAVEMENT MARKERS IN ACCORDANCE WITH SEQ-SEW-1300-1 & 2.

| ASSET REGISTER     |          |  |       |        |       |
|--------------------|----------|--|-------|--------|-------|
| WATER RETICULATION |          |  |       |        |       |
| ESTATE/STAGE       |          | EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT |       |        |       |
| SITE ADDRESS       |          | TEVIOT ROAD, GREENBANK                         |       |        |       |
| FILE APPLICATION   |          | ---  |       |        |       |
| LW DEL APP. DATE   |          | ---  |       |        |       |
| CLIENT             |          | MIRVAC   |       |        |       |
| DRAWING/PLAN NO.   |          |  |       |        |       |
| MAINS              | DIAMETER | MATERIAL                                       |       | LENGTH |       |
|                    |          | DESIGN   | CONST | DESIGN | CONST |
|                    | 250mm    | DICL   |       | 120m   |       |
|                    |          | mPVC   |       | 509m   |       |
|                    | 200mm    | DICL   |       | 14m    |       |
|                    |          | mPVC   |       | 75m    |       |
|                    | 150mm    | DICL   |       | 17m    |       |
|                    |          | mPVC   |       | 365m   |       |
|                    | 100mm    | DICL   |       | 142m   |       |
|                    | mPVC     |  | 863m  |        |       |
| SERVICES           | DIAMETER | MATERIAL                                       |       | LENGTH |       |
|                    |          | DESIGN   | CONST | DESIGN | CONST |
|                    | 25       | PE   |       | 776m   |       |
|                    |          |  |       |        |       |
|                    |          |  |       |        |       |
| METERS             | DIAMETER | NUMBER   |       |        |       |
|                    |          | DESIGN   | CONST |        |       |
|                    | 20       | 104  |       |        |       |

| SERVICE DETAILS |      |   |
|-----------------|------|---|
| NO              | SIZE | LOT NUMBERS   |
| 104             | 20   | 1133-1138, 1233-1240, 1252-1296, 1309-1326, 1331-1334, 2001-2003, 2026-2029, 2119-2131, 2149-2151 |

| AS CONSTRUCTED RECEIVED           |        |
|-----------------------------------|--------|
| BY                                |        |
| UTILITY/DELEGATE                  |        |
| DATE                              |        |
| ON MAINTENANCE DETAILS            |        |
| START                             | FINISH |
| UTILITY/DELEGATES COMMENTS        |        |
|                                   |        |
| FUNDING                           |        |
| PRIVATE BOOSTER REQUIRED? YES/NO  |        |
| FUNDED BY UTILITY ( ) COUNCIL ( ) |        |
| FED GOV'T ( ) STATE ( )           |        |
| DEVELOPER ( ) OTHER ( )           |        |
| OFFICER                           |        |
| DATE RELEASED                     |        |
| PLAN CUSTODIAN                    |        |
| OFFICER/REC'D                     |        |
| DATE RELEASED                     |        |
| LIVE CONNECTIONS/PASSED(W)        |        |
| REFERENCE                         |        |
| DATE                              |        |
| GIS CAPTURE                       |        |
| JOB NUMBER                        |        |
| OFFICER                           |        |
| DATE                              |        |
| GIS COMMENTS                      |        |

INDEMNITY - EXISTING SERVICES

NOT WITHSTANDING THAT EXISTING SERVICES MAY OR MAY NOT BE SHOWN ON THESE DRAWINGS, NO RESPONSIBILITY IS TAKEN BY THE ENGINEER OR THE PRINCIPAL FOR THIS INFORMATION WHICH HAS BEEN SUPPLIED BY OTHERS. THE DETAILS ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR SHALL ASCERTAIN THE POSITION OF ALL UNDERGROUND SERVICES PRIOR TO EXCAVATION AND SHALL BE RESPONSIBLE FOR THE COST OF REPAIRS TO DAMAGES CAUSED AS A RESULT OF THE WORKS.

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

ALL WATER CONSTRUCTION WORK UNDERTAKEN BY THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE QUEENSLAND WORKPLACE HEALTH AND SAFETY ACT 2011. CONTACT THE DIVISION OF HEALTH & SAFETY FOR INFORMATION. PHONE: 1300 362 128

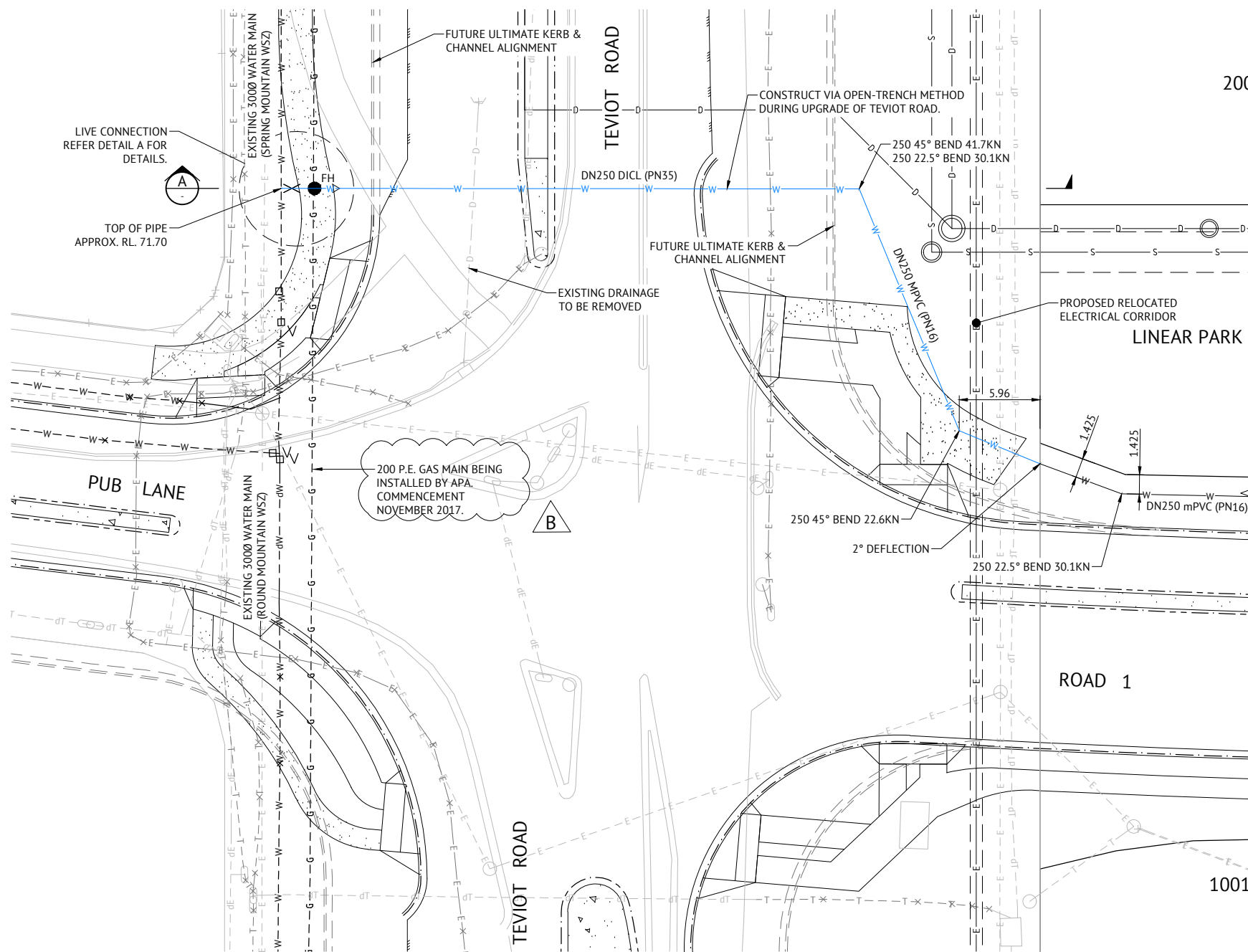
ALL LIVE WORKS TO BE UNDERTAKEN BY THE CONTRACTOR IN ACCORDANCE WITH A VALID NETWORK ACCESS PERMIT UNDER THE SUPERVISION OF LOGAN WATER, AT DEVELOPERS EXPENSE.



27/06/18 CONSTRUCTION ISSUE

|                  |       |            |       |           |              |          |
|------------------|-------|------------|-------|-----------|--------------|----------|
| PROJECT DIRECTOR | DATE  | RPEQ       | DATE  | JOB CODE  | SHEET NUMBER | REVISION |
| JOSHUA STONE     | --/-- | K. Howells | --/-- | MIR001-01 | C700         | A        |





0 4 8 12m

PROPOSED 45° VERT BEND WITH THRUST BLOCK AND ANCHOR BLOCK  
DATUM RL67.00

EXISTING SURFACE

PROPOSED ROADWAY

PROPOSED MEDIAN

PROPOSED ROADWAY

EXISTING PAVEMENT

3.0%

PROPOSED SO-SO 45° BEND

FUTURE KERB LOCATION

FINISHED SURFACE

1 IN 6

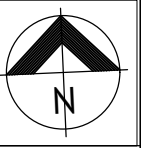
PROPERTY BOUNDARY

SCALE 1:200 (A1)

0 2 4 6m

[illegible]



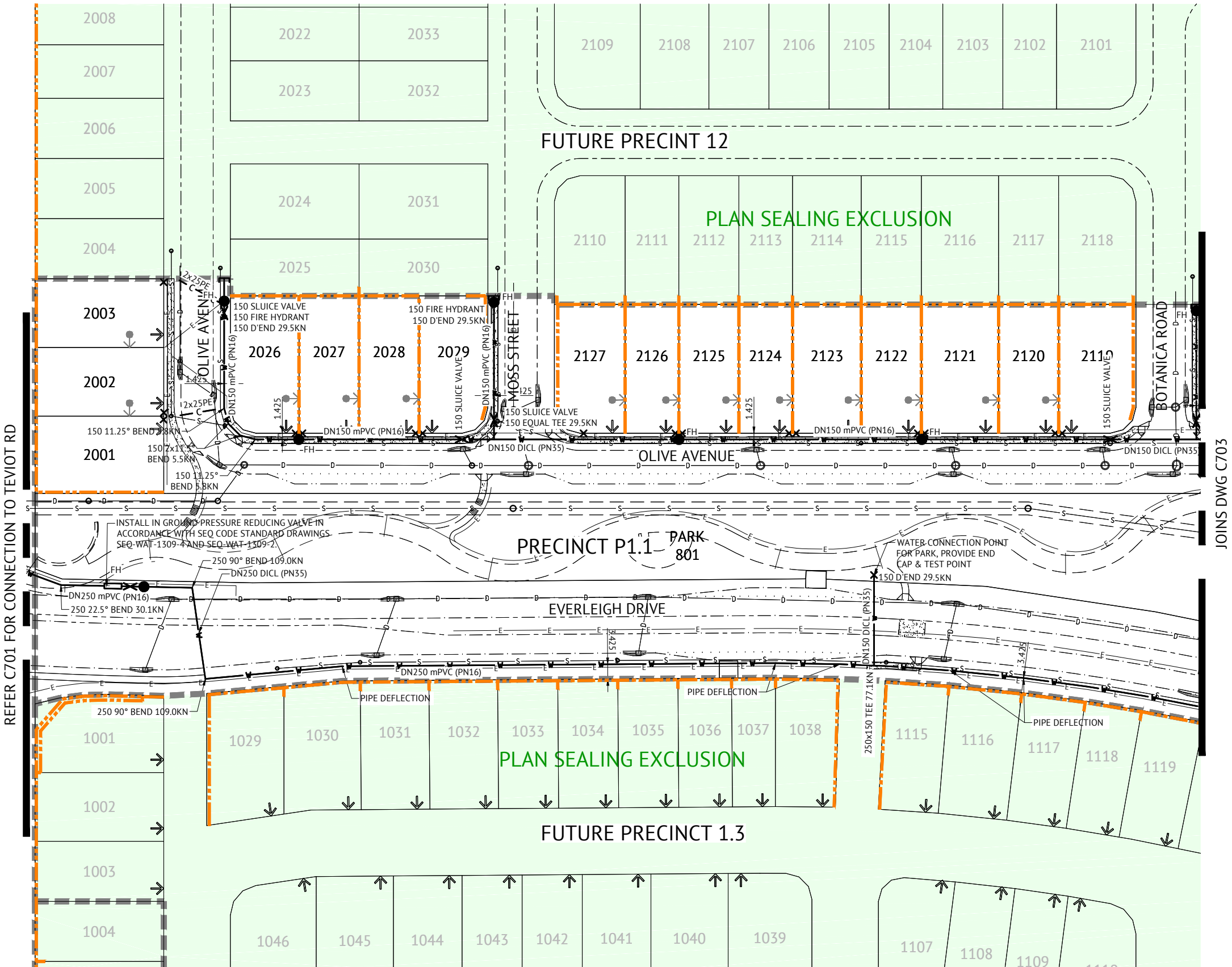


LEGEND - PROPOSED


- POTABLE WATER MAIN
- POTABLE WATER RETICULATION CONDUIT
- WATER SERVICE & WATER METER BOX POINT. METER BY OTHERS
- SLUICE VALVE
- FIRE HYDRANT
- SCOUR BRANCH
- DEAD END
- DEFLECTION
- TRUNCATIONS 5 DEGREES OR LESS
- 38 LOT NUMBER
- STORMWATER DRAINAGE
- GRAVITY SEWER
- ELECTRICITY
- PROPOSED RETAINING WALL
- FUTURE DRIVEWAY LOCATION
- ZERO LOT LINE
- STAGE BOUNDARY

LEGEND - EXISTING

- WATER MAIN
- SLUICE VALVE
- FIRE HYDRANT
- TEST POINT
- SCOUR BRANCH
- DEAD END
- WATER METER
- STORMWATER DRAINAGE
- GRAVITY SEWER



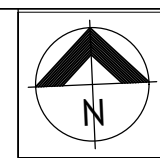
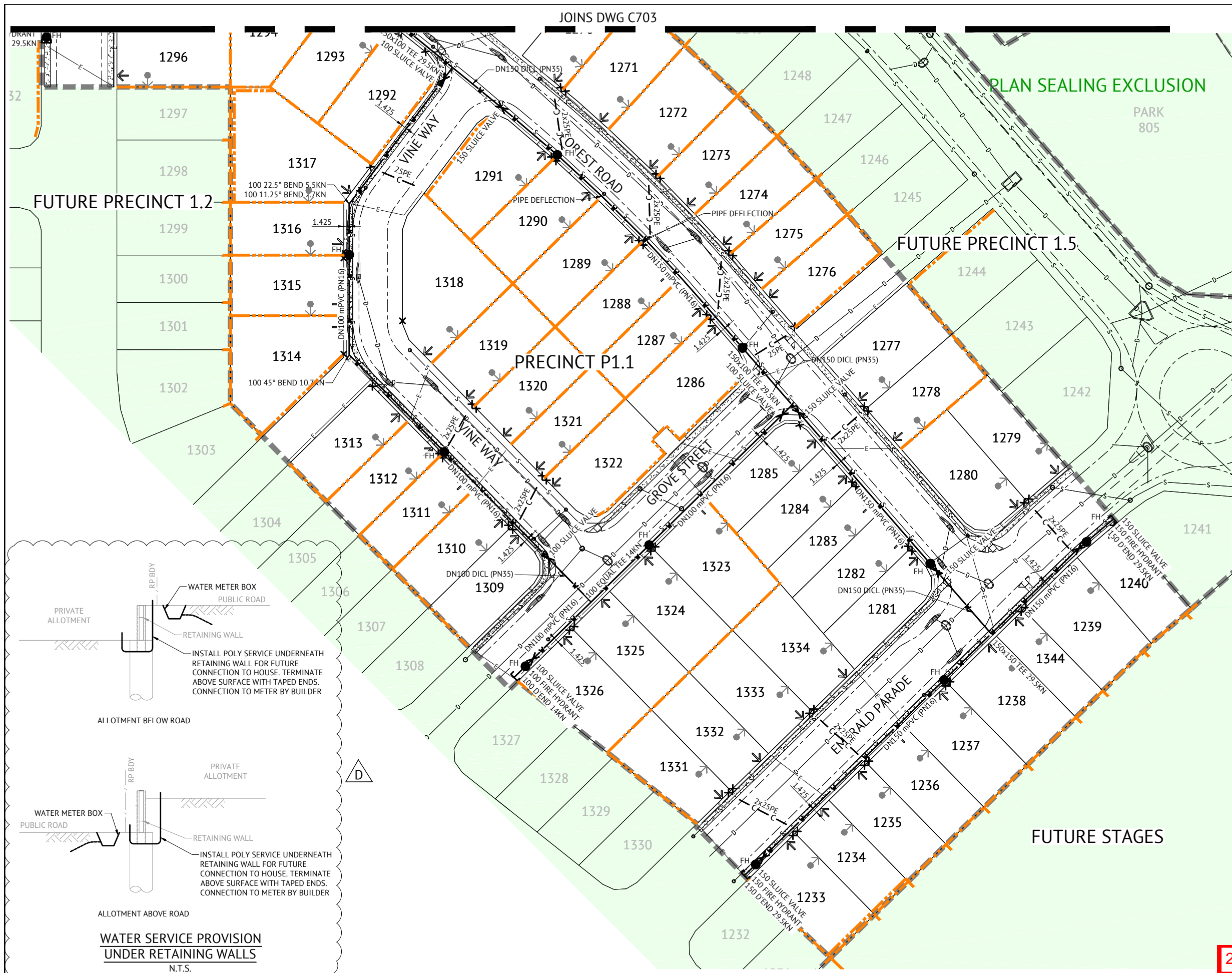
27/06/18 CONSTRUCTION ISSUE

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|---|-----|-------------|---|--|--|--|
|   |     |             | <br><b>Premise</b> |  | <b>BRISBANE OFFICE</b><br>LEVEL 1, 100 BRUNSWICK STREET<br>PO BOX 361<br>FORTITUDE VALLEY, QLD 4006<br>PH: (07) 3253 2222<br>WEB: www.premise.com.au |  |
| 26/02/18 D RETAINING WALLS ADDED TO LAYOUT<br>12/01/18 C REVISED STORMWATER AND SEWER ALIGNMENTS SHOWN<br>10/11/17 B CHANGES TO WATER FITTINGS<br>12/01/18 A ORIGINAL ISSUE |     |             | KH<br>KH<br>KH<br>KH<br>RPEQ  |  |  |  |
| DATE  | REV | DESCRIPTION | REVISIONS   |  |  |  |
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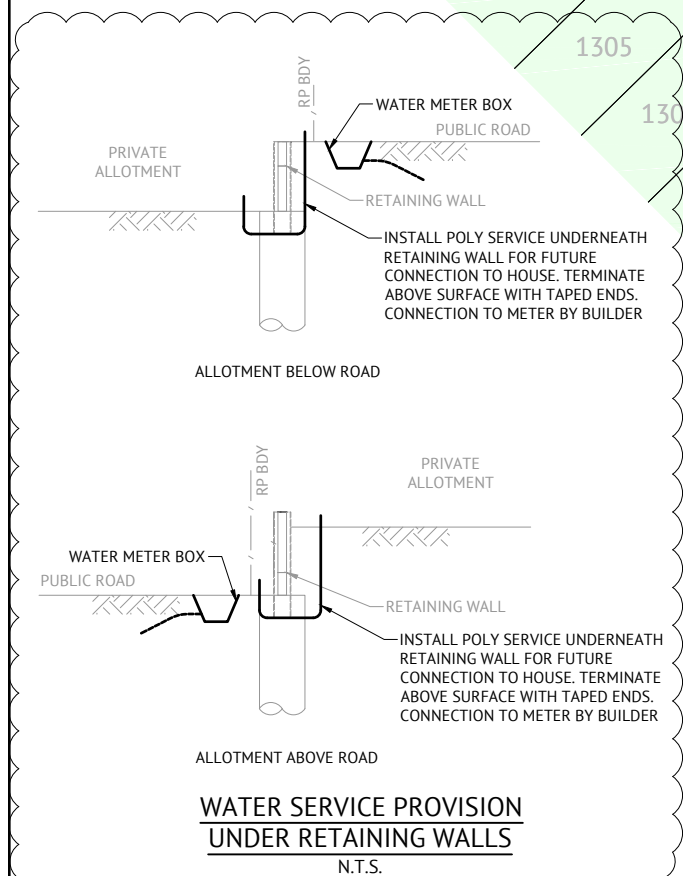


LEGEND - PROPOSED

- POTABLE WATER MAIN
- POTABLE WATER RETICULATION CONDUIT
- WATER SERVICE & WATER METER BOX POINT. METER BY OTHERS
- SLUICE VALVE
- FIRE HYDRANT
- SCOUR BRANCH
- DEAD END
- TRUNCATIONS 5 DEGREES OR LESS
- LOT NUMBER
- STORMWATER DRAINAGE
- GRAVITY SEWER
- ELECTRICITY
- PROPOSED RETAINING WALL
- FUTURE DRIVEWAY LOCATION
- ZERO LOT LINE
- STAGE BOUNDARY

LEGEND - EXISTING

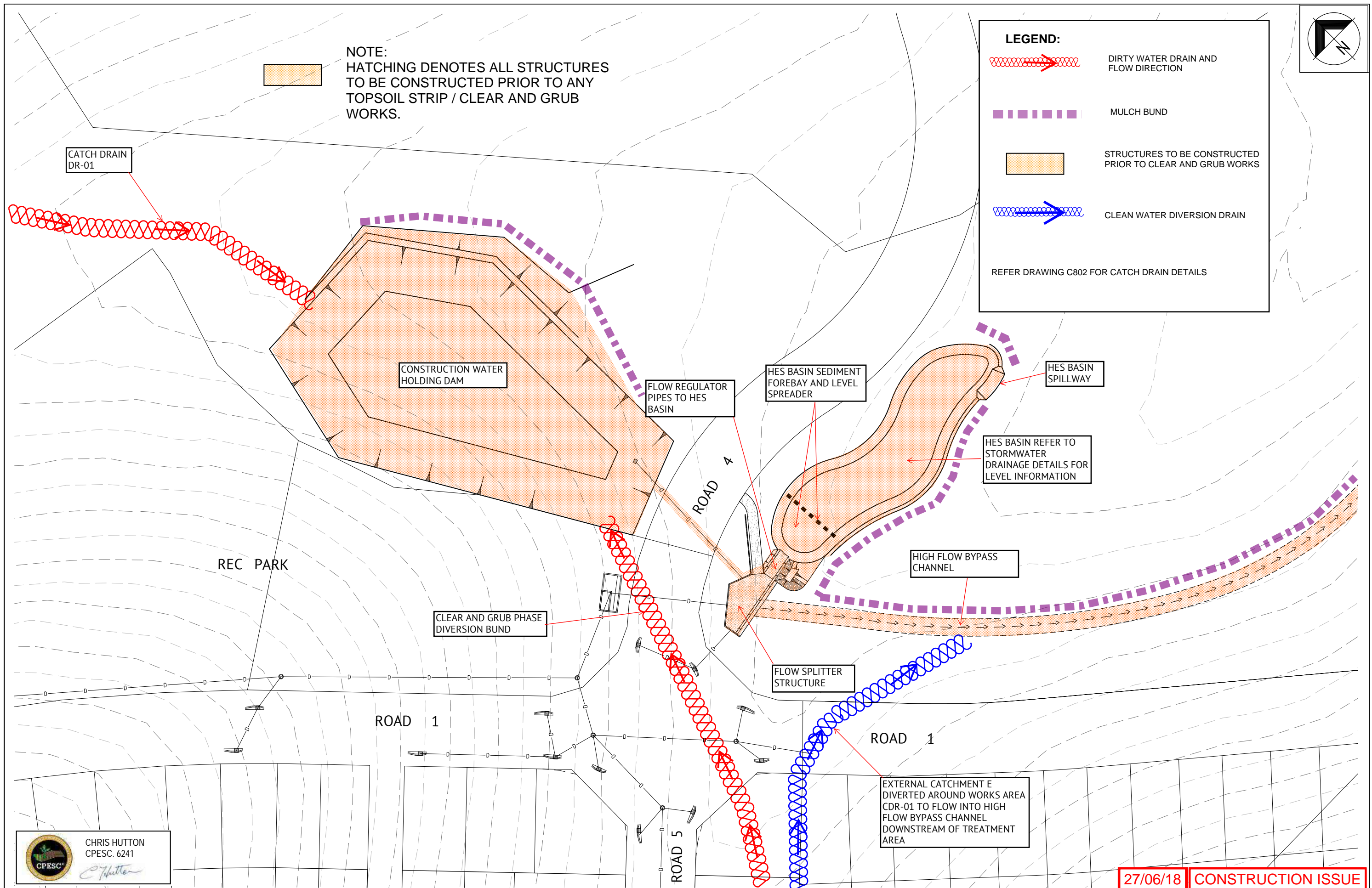
- WATER MAIN
- SLUICE VALVE
- FIRE HYDRANT
- TEST POINT
- SCOUR BRANCH
- DEAD END
- WATER METER
- STORMWATER DRAINAGE
- GRAVITY SEWER



27/06/18 CONSTRUCTION ISSUE

|   |  |  |  |  |  |  |  |   |
|---|--|--|--|--|--|--|--|---|
| <div>26/02/18 D ADDED WATER SERVICE PROVISION. DETAIL, RETAINING WALLS TO LAYOUT AND LOCATION CHANGES TO WATER FITTINGS KH</div> <div>12/01/18 C REVISED STORMWATER AND SEWER ALIGNMENTS SHOWN KH</div> <div>10/11/17 B CHANGES TO WATER FITTINGS KH</div> <div>12/01/18 A ORIGINAL ISSUE KH</div> <div>DATE REV DESCRIPTION REVISIONS RPEQ</div> |  |  | <div>BRISBANE OFFICE</div> <div>LEVEL 1, 100 BRUNSWICK STREET</div> <div>PO BOX 361</div> <div>FORTITUDE VALLEY, QLD 4006</div> <div>PH: (07) 3253 2222</div> <div>WEB: www.premise.com.au</div> |  | <div>DESIGNED MM</div> <div>CHECKED JS</div> <div>PROJECT MANAGER JS</div> <div>PROJECT DIRECTOR JS</div> <div>DATE 26/02/18</div> | <div>RPEQ</div> <div></div> <div>DATE 26/02/18</div> <div>SCALE 1:500 (A1)</div> | <div>CLIENT MIRVAC</div> <div>PROJECT EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT</div> <div>LOCATION TEVIOT ROAD, GREENBANK</div> <div>SHEET TITLE WATER RETICULATION LAYOUT PLAN SHEET 3 OF 3</div> | <div>JOB CODE MIR001-01</div> <div>SHEET NUMBER C704</div> <div>REV D</div> |
|---|--|--|--|--|--|--|--|---|





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| DATE     | REV | DESCRIPTION    | REVISIONS |
|----------|-----|----------------|-----------|
| 15/09/17 | A   | ORIGINAL ISSUE |           |

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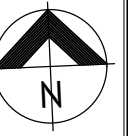
|                  |              |
|------------------|--------------|
| DESIGNED         | CH           |
| CHECKED          | JS           |
| PROJECT MANAGER  | JS           |
| PROJECT DIRECTOR | JOSHUA STONE |
| DATE             | 15/09/17     |

RPEQ  
15/09/17  
KEITH HOWELLS  
RPEQ 7295  
SCALE  
0 10 20 30m  
SCALE 1:500 (A1)

|             |  |
|-------------|--|
| CLIENT      | MIRVAC   |
| PROJECT     | EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT |
| LOCATION    | TEVIOT ROAD, GREENBANK                         |
| SHEET TITLE | EARLY WORKS EROSION & SEDIMENT CONTROL PLAN    |

|              |           |
|--------------|-----------|
| JOB CODE     | MIR001-01 |
| SHEET NUMBER | C800      |
| REV          | A         |





## EROSION RISK ASSESSMENT

### SOIL LOSS ESTIMATION

#### Soil Loss Estimations

$$A = R \cdot K \cdot LS \cdot C \cdot P$$

where:

A= Annual soil loss due to erosion (t/ha/yr)  
R= Rainfall erosivity factor  
K= Soil erodibility factor  
LS= topographic slope/length factor  
P= Erosion Control Practice factor  
C= Cover and management factor

| Construction Catchment Area | Exposed Area (ha) | R    | K     | Equal Area Slope (%) | LS   | P   | C | A (t/ha/yr) |
|-----------------------------|-------------------|------|-------|----------------------|------|-----|---|-------------|
| A                           | 23.88             | 3262 | 0.043 | 7.5                  | 2.05 | 1.3 | 1 | 374         |
| B                           | 4.50              | 3262 | 0.043 | 7.0                  | 1.19 | 1.3 | 1 | 217         |

Very Low Risk: Soil loss less than 150 tonnes/ha/yr  
Low Risk: Soil loss 150+ to 225 t/ha/yr  
Moderate Risk: Soil loss 225+ to 500 t/ha/yr  
High Risk: Soil loss 500+ to 1500 t/ha/yr  
Extreme Risk: Soil loss greater than 1500 t/ha/yr

### SEDIMENT CONTROL TECHNIQUE

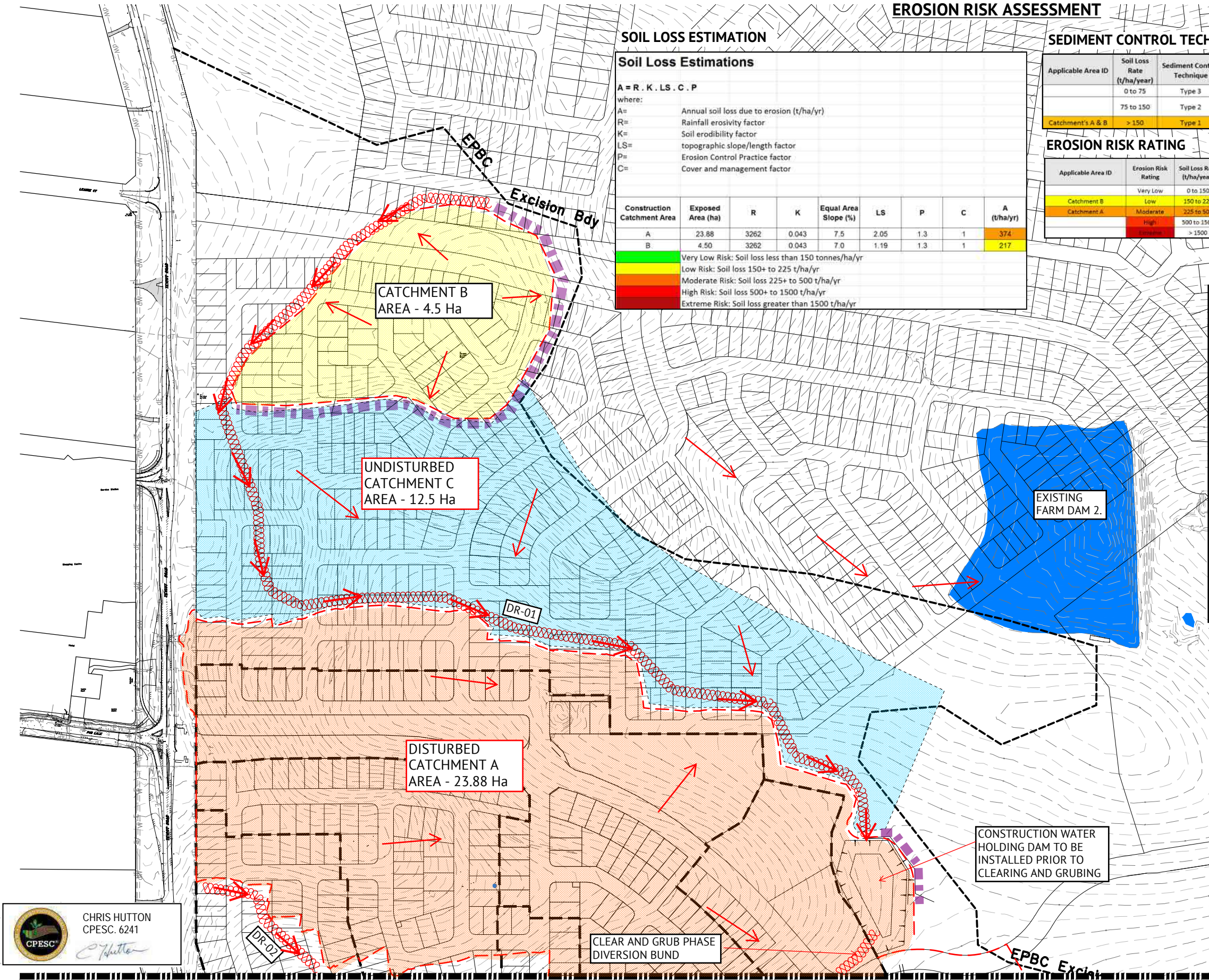
| Applicable Area ID | Soil Loss Rate (t/ha/year) | Sediment Control Technique | Default Sediment Control Treatment Measure   |
|--------------------|----------------------------|----------------------------|--|
|                    | 0 to 75                    | Type 3                     | Sediment fence, sediment trap  |
|                    | 75 to 150                  | Type 2                     | Filter tube dam, rock filter dam, sediment trench, sediment weir, compost/mulch berm |
| Catchment's A & B  | > 150                      | Type 1                     | Sediment basin (sized in accordance with design standard)                            |

### EROSION RISK RATING

| Applicable Area ID | Erosion Risk Rating | Soil Loss Rate (t/ha/year) | Advance Land Clearing Allowed (weeks work) | Max days to Stabilisation | Staged Construction and Stabilisation of Earth Batters >6H:1V | Stockpiles stabilised |
|--------------------|---------------------|----------------------------|--|---------------------------|---|-----------------------|
| Catchment B        | Very Low            | 0 to 150                   | 8  | 30 (60%)                  |   |                       |
| Catchment A        | Low                 | 150 to 225                 | 8  | 30 (70%)                  |   |                       |
|                    | Moderate            | 225 to 500                 | 6  | 20 (70%)                  |   |                       |
|                    | High                | 500 to 1500                | 4  | 10 (75%)                  |   |                       |
|                    | Extreme             | > 1500                     | 2  | 10 (80%)                  |   |                       |

### LEGEND:

- DIRTY WATER DRAIN AND FLOW DIRECTION
- SURFACE SLOPE AND FLOW DIRECTION
- DISTURBED CATCHMENT AREA
- CLEAN WATER DIVERSION DRAIN
- MULCH BUND
- REFER DRAWING C802 FOR CATCH DRAIN DETAILS



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REFER TO DRAWING C802 FOR CONTINUATION

27/06/18 CONSTRUCTION ISSUE

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DESIGNED CH  
CHECKED JS  
PROJECT MANAGER JS  
PROJECT DIRECTOR JS  
DATE 15/09/17

DATE 15/09/17  
RPEQ KEITH HOWELLS RPEQ 7295  
SCALE 0 40 80 120m  
SCALE 1:2000 (A1)

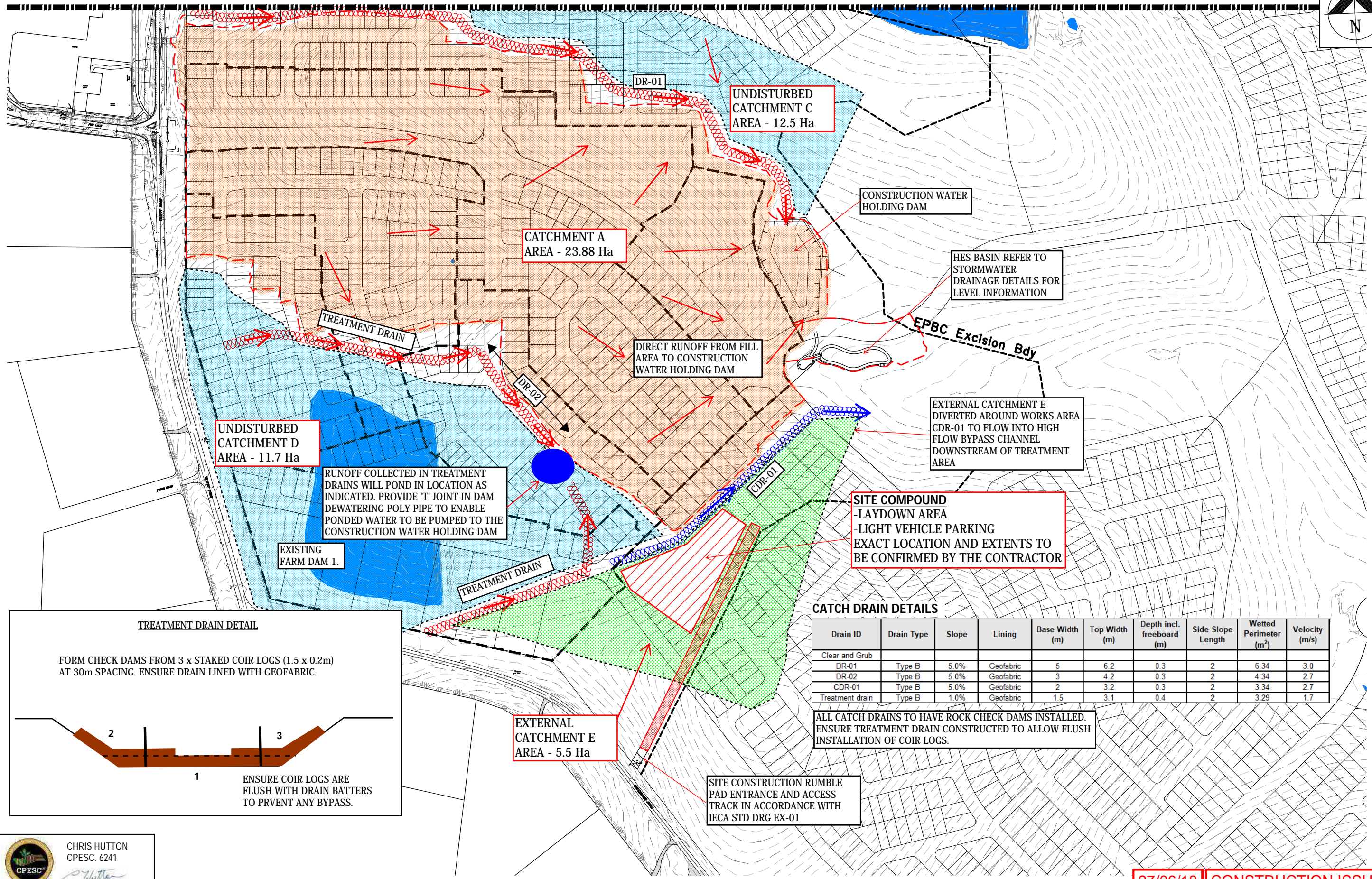
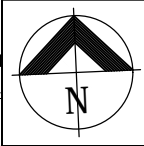
CLIENT MIRVAC  
PROJECT EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT  
LOCATION TEVIOT ROAD, GREENBANK  
SHEET TITLE PRE-CLEARING EROSION & SEDIMENT CONTROL PLAN - SHEET 1 OF 2

JOB CODE MIR001-01  
SHEET NUMBER C801  
REV A

15/09/17 A ORIGINAL ISSUE  
DATE REV DESCRIPTION REVISIONS

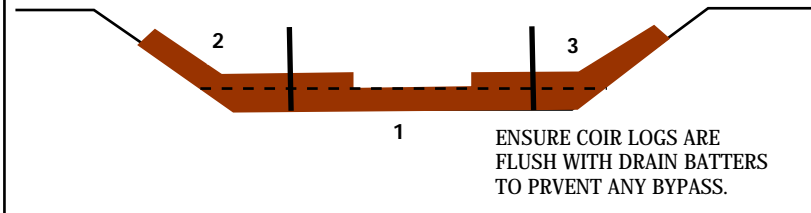


REFER TO DRAWING C801 FOR CONTINUATION



TREATMENT DRAIN DETAIL

FORM CHECK DAMS FROM 3 x STAKED COIR LOGS (1.5 x 0.2m) AT 30m SPACING. ENSURE DRAIN LINED WITH GEOFABRIC.





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CATCH DRAIN DETAILS

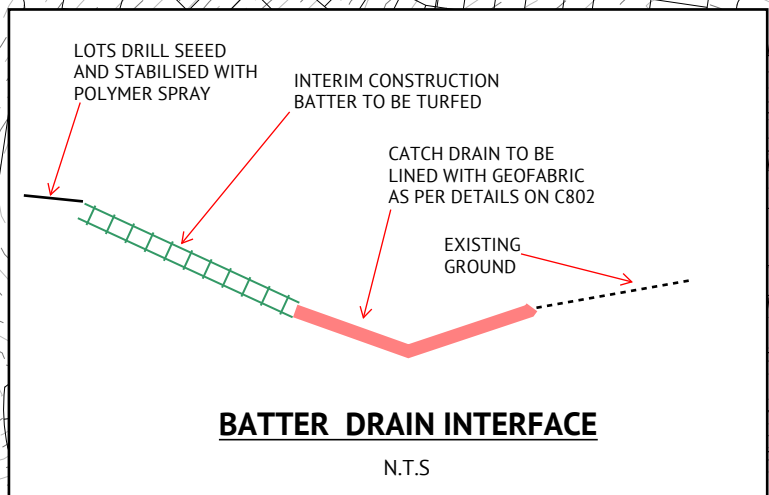
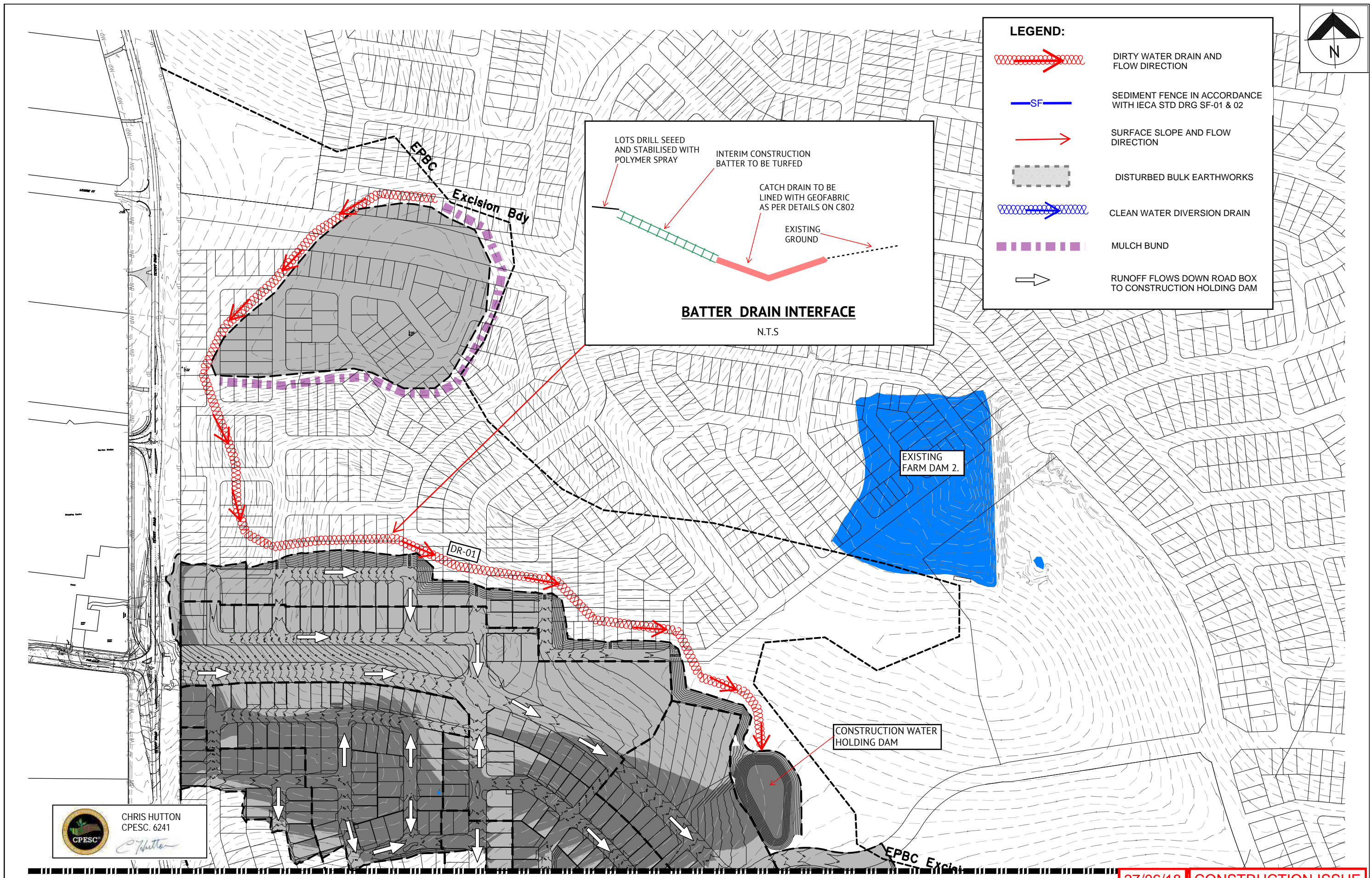
| Drain ID        | Drain Type | Slope | Lining    | Base Width (m) | Top Width (m) | Depth incl. freeboard (m) | Side Slope Length | Wetted Perimeter (m <sup>2</sup> ) | Velocity (m/s) |
|-----------------|------------|-------|-----------|----------------|---------------|---------------------------|-------------------|------------------------------------|----------------|
| Clear and Grub  |            |       |           |                |               |                           |                   |                                    |                |
| DR-01           | Type B     | 5.0%  | Geofabric | 5              | 6.2           | 0.3                       | 2                 | 6.34                               | 3.0            |
| DR-02           | Type B     | 5.0%  | Geofabric | 3              | 4.2           | 0.3                       | 2                 | 4.34                               | 2.7            |
| CDR-01          | Type B     | 5.0%  | Geofabric | 2              | 3.2           | 0.3                       | 2                 | 3.34                               | 2.7            |
| Treatment drain | Type B     | 1.0%  | Geofabric | 1.5            | 3.1           | 0.4                       | 2                 | 3.29                               | 1.7            |

ALL CATCH DRAINS TO HAVE ROCK CHECK DAMS INSTALLED. ENSURE TREATMENT DRAIN CONSTRUCTED TO ALLOW FLUSH INSTALLATION OF COIR LOGS.

SITE CONSTRUCTION RUMBLE PAD ENTRANCE AND ACCESS TRACK IN ACCORDANCE WITH IECA STD DRG EX-01

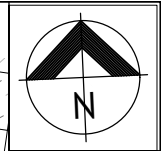
27/06/18 CONSTRUCTION ISSUE





**LEGEND:**

- DIRTY WATER DRAIN AND FLOW DIRECTION
- SEDIMENT FENCE IN ACCORDANCE WITH IECA STD DRG SF-01 & 02
- SURFACE SLOPE AND FLOW DIRECTION
- DISTURBED BULK EARTHWORKS
- CLEAN WATER DIVERSION DRAIN
- MULCH BUND
- RUNOFF FLOWS DOWN ROAD BOX TO CONSTRUCTION HOLDING DAM



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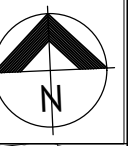
REFER TO DRAWING C804 FOR CONTINUATION

27/06/18 CONSTRUCTION ISSUE

|                                   |     |             |  |                                 |                         |  |                    |
|-----------------------------------|-----|-------------|--|---------------------------------|-------------------------|--|--------------------|
| 15/09/17 A ORIGINAL ISSUE KH RPEQ |     |             | <b>BRISBANE OFFICE</b><br>LEVEL 1, 100 BRUNSWICK STREET<br>PO BOX 361<br>FORTITUDE VALLEY, QLD 4006<br>PH: (07) 3253 2222<br>WEB: www.premise.com.au | DESIGNED CH                     | RPEQ  DATE 15/09/17     | CLIENT MIRVAC  | JOB CODE MIR001-01 |
| DATE                              | REV | DESCRIPTION |  | CHECKED JS                      | KEITH HOWELLS RPEQ 7295 | PROJECT EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT                     |                    |
| REVISIONS                         |     |             |  | PROJECT MANAGER JS              | SCALE 0 40 80 120m      | LOCATION TEVIOT ROAD, GREENBANK  | SHEET NUMBER C803  |
|                                   |     |             |  | PROJECT DIRECTOR  DATE 15/09/17 | SCALE 1:2000 (A1)       | SHEET TITLE BULK EARTHWORKS EROSION & SEDIMENT CONTROL PLAN - SHEET 1 OF 2 |                    |
|                                   |     |             |  | JOSHUA STONE                    |                         |  | REV A              |

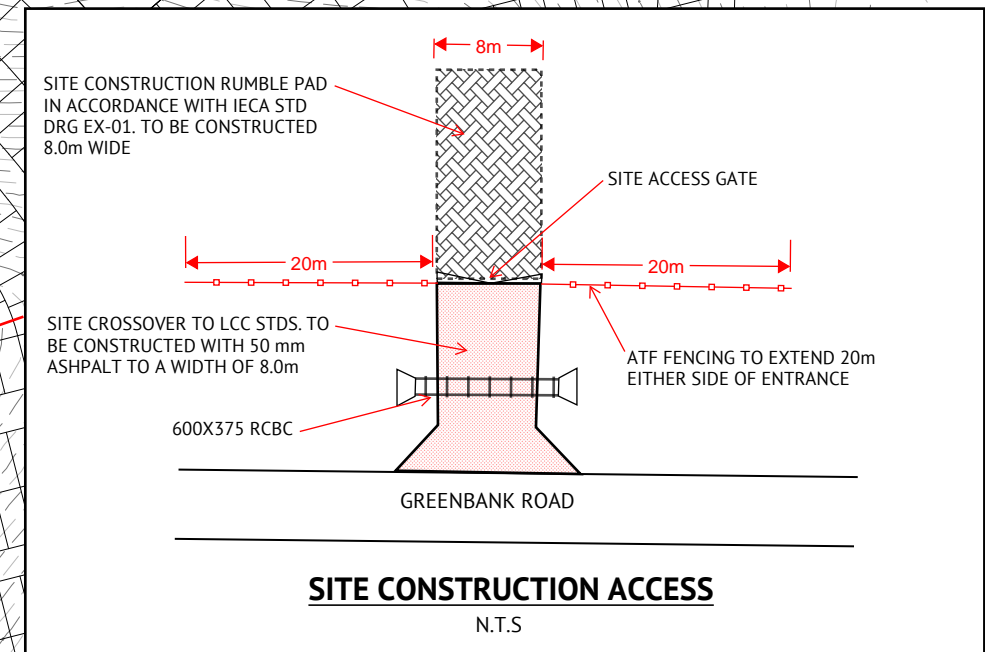
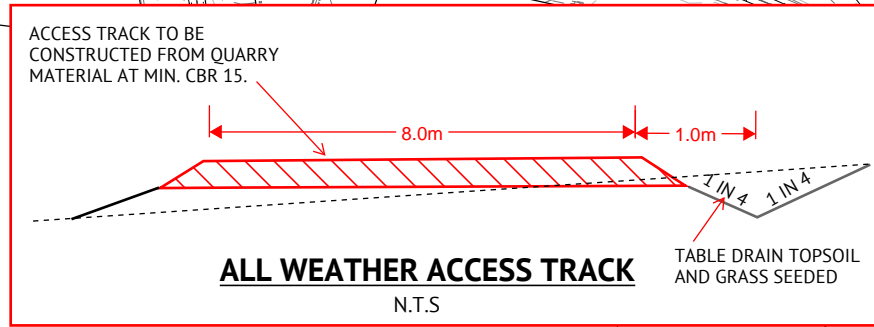
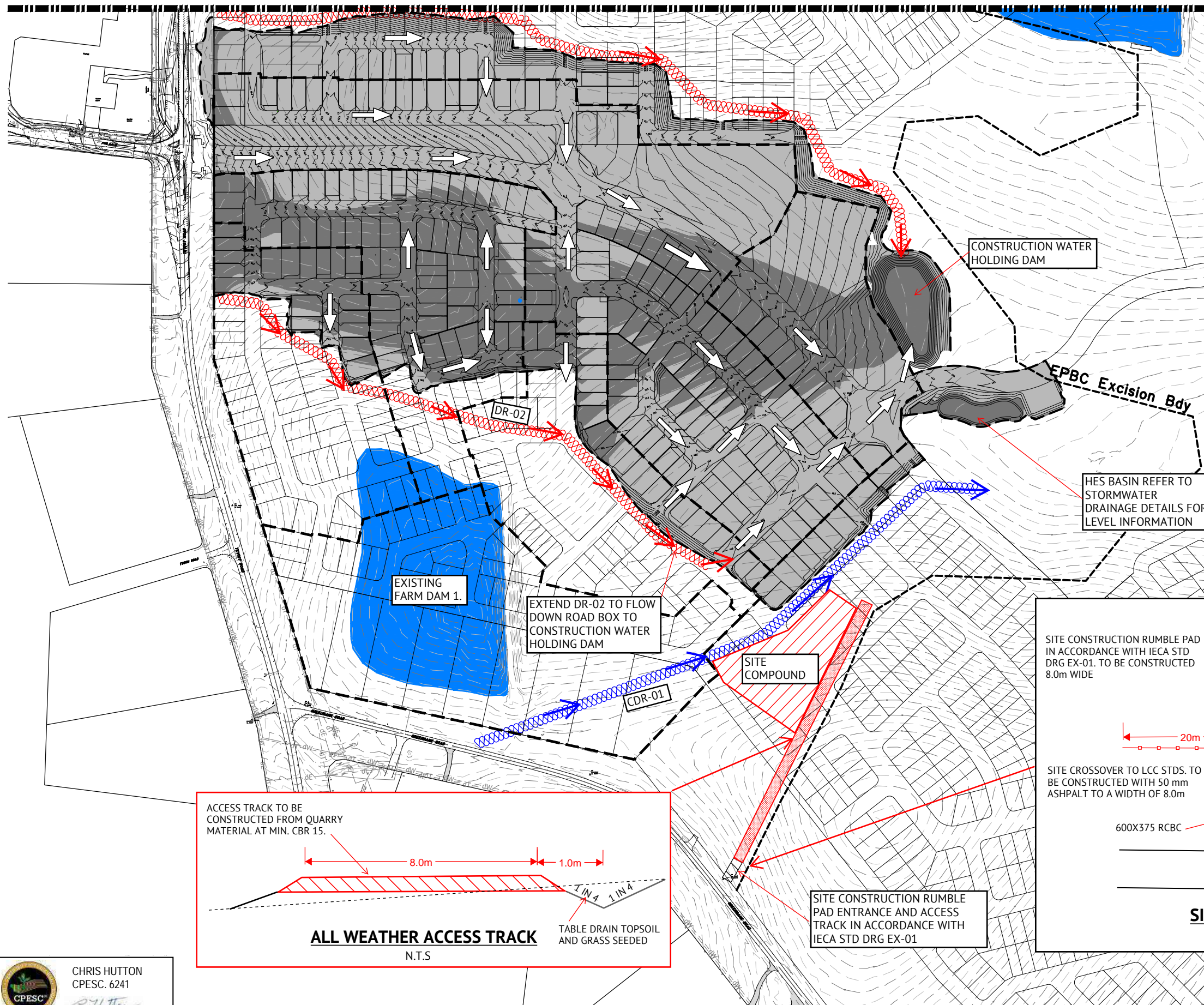


REFER TO DRAWING C803 FOR CONTINUATION



**LEGEND:**

- DIRTY WATER DRAIN AND FLOW DIRECTION
- SEDIMENT FENCE IN ACCORDANCE WITH IECA STD DRG SF-01 & 02
- SURFACE SLOPE AND FLOW DIRECTION
- DISTURBED BULK EARTHWORKS
- CLEAN WATER DIVERSION DRAIN
- MULCH BUND
- RUNOFF FLOWS DOWN ROAD BOX TO CONSTRUCTION HOLDING DAM

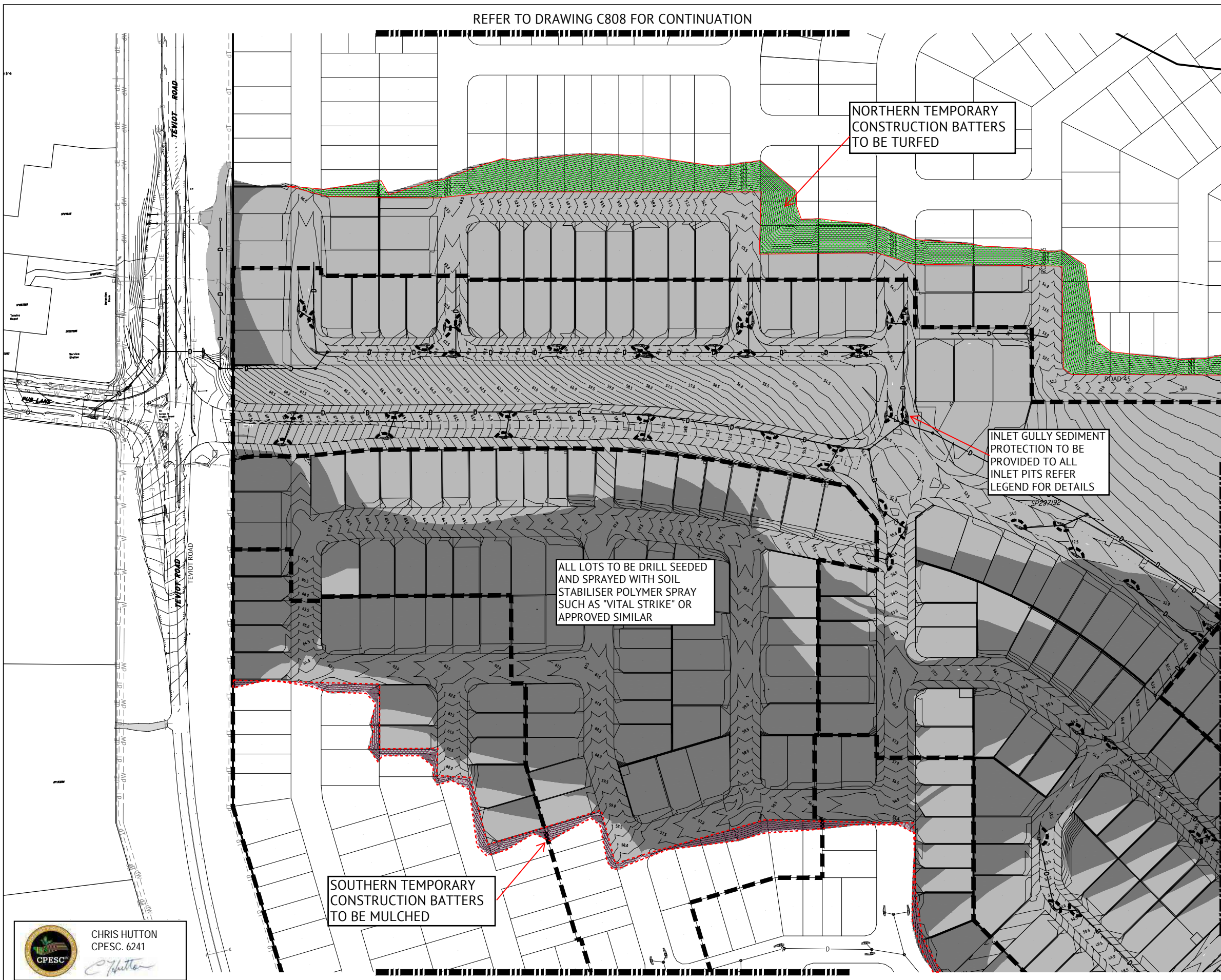


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27/06/18 CONSTRUCTION ISSUE

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REFER TO DRAWING C808 FOR CONTINUATION

NORTHERN TEMPORARY  
CONSTRUCTION BATTERS  
TO BE TURFED

INLET GULLY SEDIMENT  
PROTECTION TO BE  
PROVIDED TO ALL  
INLET PITS REFER  
LEGEND FOR DETAILS

ALL LOTS TO BE DRILL SEEDED  
AND SPRAYED WITH SOIL  
STABILISER POLYMER SPRAY  
SUCH AS "VITAL STRIKE" OR  
APPROVED SIMILAR

SOUTHERN TEMPORARY  
CONSTRUCTION BATTERS  
TO BE MULCHED

REFER TO DRAWING C806 FOR CONTINUATION

REFER TO DRAWING C807 FOR CONTINUATION

LEGEND



PROVIDE GULLY PITS WITH SEDIMENT  
PROTECTION DEVICES IN ACCORDANCE WITH  
IECA STD DRG ESC-03






CHRIS HUTTON  
CPESC. 6241

| DATE     | REV | DESCRIPTION    | REVISIONS |
|----------|-----|----------------|-----------|
| 15/09/17 | A   | ORIGINAL ISSUE |           |
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| DESIGNED         | CH       |
| CHECKED          | JS       |
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| PROJECT DIRECTOR |          |
| DATE             | 15/09/17 |



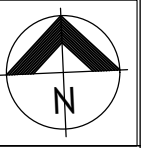
DATE  
15/09/17  
RPEQ  
KEITH HOWELLS  
RPEQ 7295  
SCALE  
0 10 20 30m  
SCALE 1:500 (A1)

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| CLIENT      | MIRVAC   |
| PROJECT     | EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT |
| LOCATION    | TEVIOT ROAD, GREENBANK                         |
| SHEET TITLE | ROADWORKS AND STABILISATION - SHEET 1 OF 4     |

27/06/18 CONSTRUCTION ISSUE

|              |           |
|--------------|-----------|
| JOB CODE     | MIR001-01 |
| SHEET NUMBER | C805      |
| REV          | A         |





LEGEND



PROVIDE GULLY PITS WITH SEDIMENT PROTECTION DEVICES IN ACCORDANCE WITH IECA STD DRG ESC-03

NORTHERN TEMPORARY CONSTRUCTION BATTERS TO BE TURFED

ALL LOTS TO BE DRILL SEEDED AND SPRAYED WITH SOIL STABILISER POLYMER SPRAY SUCH AS "VITAL STRIKE" OR APPROVED SIMILAR

INLET GULLY SEDIMENT PROTECTION TO BE PROVIDED TO ALL INLET PITS REFER LEGEND FOR DETAILS

CONSTRUCTION WATER HOLDING DAM

EPBC Exc

HES BASIN REFER TO STORMWATER DRAINAGE DETAILS FOR LEVEL INFORMATION

FLOW SPLITTER STRUCTURE

SOUTHERN TEMPORARY CONSTRUCTION BATTERS TO BE MULCHED

SOUTHERN TEMPORARY CONSTRUCTION BATTERS TO BE MULCHED



27/06/18 CONSTRUCTION ISSUE

REFER TO DRAWINGS C800 AND C805 FOR CONTINUATION

| DATE     | REV | DESCRIPTION    | REVISIONS | KH | RPEQ |
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| DESIGNED         | CH | DATE | 15/09/17 |
| CHECKED          | JS |      |          |
| PROJECT MANAGER  | JS |      |          |
| PROJECT DIRECTOR |    | DATE | 15/09/17 |

|       |               |                  |
|-------|---------------|------------------|
| RPEQ  | KEITH HOWELLS | RPEQ 7295        |
| SCALE | 0 10 20 30m   | SCALE 1:500 (A1) |

|             |  |
|-------------|--|
| CLIENT      | MIRVAC   |
| PROJECT     | EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT |
| LOCATION    | TEVIOT ROAD, GREENBANK                         |
| SHEET TITLE | ROADWORKS AND STABILISATION - SHEET 2 OF 4     |

|              |           |
|--------------|-----------|
| JOB CODE     | MIR001-01 |
| SHEET NUMBER | C806      |
| REV          | A         |



ALL LOTS TO BE DRILL SEEDED  
AND SPRAYED WITH SOIL  
STABILISER POLYMER SPRAY  
SUCH AS "VITAL STRIKE" OR  
APPROVED SIMILAR

INLET GULLY SEDIMENT  
PROTECTION TO BE  
PROVIDED TO ALL  
INLET PITS REFER  
LEGEND FOR DETAILS

SOUTHERN TEMPORARY  
CONSTRUCTION BATTERS  
TO BE MULCHED

SOUTHERN TEMPORARY  
CONSTRUCTION BATTERS  
TO BE MULCHED

REFER TO DRAWING C801 FOR CONTINUATION



CHRIS HUTTON  
CPESC. 6241

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| PROJECT MANAGER  | JS               |
| PROJECT DIRECTOR | DATE<br>15/09/17 |

RPEQ *K. Howells* DATE 15/09/17  
KEITH HOWELLS RPEQ 7295  
SCALE  
0 10 20 30  
SCALE 1:500 (A1)

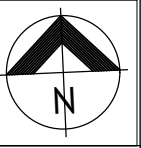
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|-------------|--|
| CLIENT      | MIRVAC   |
| PROJECT     | EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT |
| LOCATION    | TEVIOT ROAD, GREENBANK                         |
| SHEET TITLE | ROADWORKS AND STABILISATION - SHEET 3 OF 4     |


JOB CODE  
MIR001-01

|                      |          |
|----------------------|----------|
| SHEET NUMBER<br>C807 | REV<br>A |
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27/06/18 CONSTRUCTION ISSUE











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REFER TO DRAWING C805 FOR CONTINUATION

27/06/18 CONSTRUCTION ISSUE

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|------------------------------|-----|----------------|---|---|---|---|--|------------------------------------|----------------------|----------|--|--|
|                              |     |                | <br><b>Premise</b> | BRISBANE OFFICE<br>LEVEL 1, 100 BRUNSWICK STREET<br>PO BOX 361<br>FORTITUDE VALLEY, QLD 4006<br>PH: (07) 3253 2222<br>WEB: www.premise.com.au | DESIGNED CH   |   | RPEQ<br><br>KEITH HOWELLS<br>SCALE<br><br>SCALE 1:500 (A1) | DATE<br>15/09/17<br>RPEQ 7295      | CLIENT<br>MIRVAC     |          | JOB CODE<br>MIR001-01                      |  |
|                              |     | CHECKED JS     |   |   | PROJECT MANAGER JS  | PROJECT<br>EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT |  |                                    | SHEET NUMBER<br>C808 |          |  |  |
| 15/09/17 A ORIGINAL ISSUE KH |     |                |   |   | PROJECT DIRECTOR<br><br>JOSHUA STONE | DATE<br>15/09/17  |  | LOCATION<br>TEVIOT ROAD, GREENBANK |                      | REV<br>A |  |  |
| 15/09/17                     | A   | ORIGINAL ISSUE |   |   |   |   |  |                                    |                      |          | ROADWORKS AND STABILISATION - SHEET 4 OF 4 |  |
| DATE                         | REV | DESCRIPTION    |   |   |   |   |  |                                    |                      |          |  |  |
| REVISIONS                    |     |                |   |   |   |   |  |                                    |                      |          |  |  |



# High-Efficiency Sediment (HES) Basins



IFOD – Automated Dosing System



Inlet Channel



IBC - Coagulant

Forebay

## Specification:

### IFOD (Automatic Coagulant Dosing Unit):

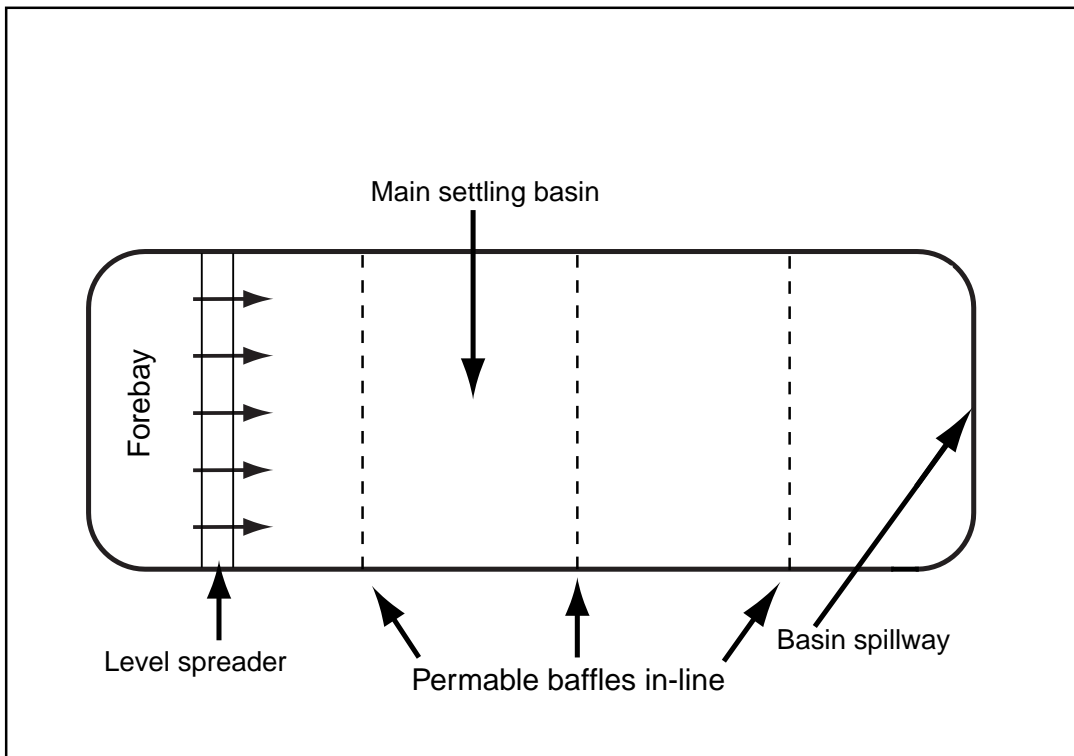
- 12v DC solar powered
- Turbidity + pH sensors
- Real time monitoring and recording to cloud based analytical platform
- Use of an appropriate coagulant as per the dosing system providers recommendations
- Calibrated to dose according to jar tests conducted on-site.
- Property to remain with Riverview Group.

### IQAD (Automated Water Quality Monitoring System):

- 12v DC solar powered
- Turbidity + pH sensors
- Real time monitoring and recording to cloud based analytical platform
- Alarms and data to be available to superintendent.
- Property to remain with Riverview Group.

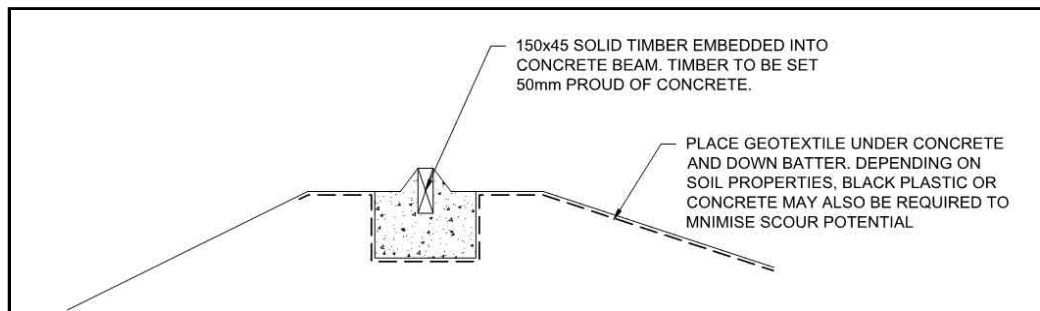
### In-line Permeable Baffles:

- 75% weave shade cloth
- Pinned to floor of basin
- Floats for suspension and fixed to banks with star pickets

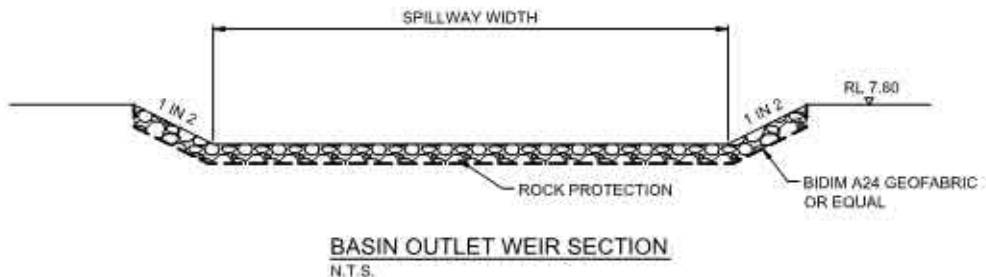
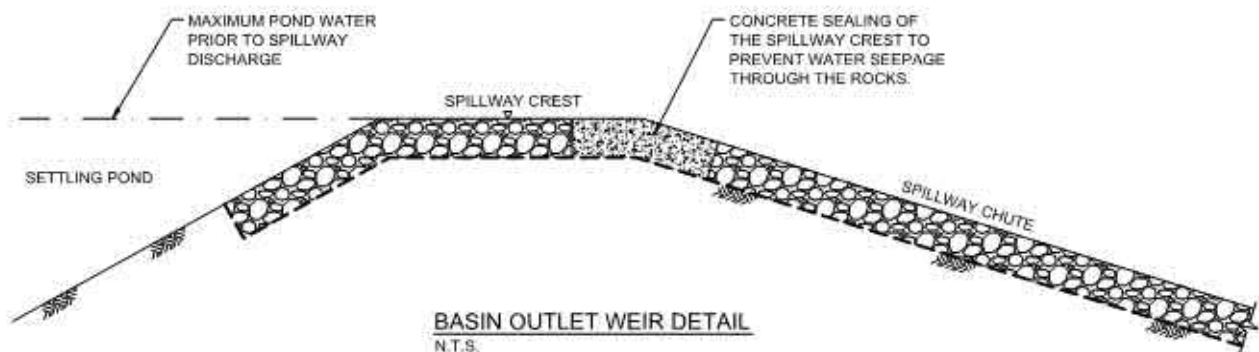


HES BASIN PLAN VIEW

NOTE:  
TURBID PTY LTD ARE TO BE ENGAGED  
TO UNDERTAKE ALL WORKS  
ASSOCIATED WITH AUTOMATED  
FLOCKING SYSTEMS AND  
MAINTENANCE OF THE HES BASINS



Level Spreader Typical Detail



## HES BASIN DETAILS

27/06/18 CONSTRUCTION ISSUE

|                                |  |  |  |  |  |  |  |  |  |  |  |              |  |
|--------------------------------|--|--|--|--|--|--|--|--|--|--|--|--------------|--|
| 15/09/17 A ORIGINAL ISSUE KH   |  |  |  | BRISBANE OFFICE  |  |  |  | MIRVAC   |  |  |  | JOB CODE     |  |
| DATE REV DESCRIPTION REVISIONS |  |  |  | LEVEL 1, 100 BRUNSWICK STREET<br>PO BOX 361<br>FORTITUDE VALLEY, QLD 4006<br>PH: (07) 3253 2222<br>WEB: www.premise.com.au |  |  |  | EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT |  |  |  | MIR001-01    |  |
|                                |  |  |  | Premise  |  |  |  | TEVIOT ROAD, GREENBANK                         |  |  |  | SHEET NUMBER |  |
|                                |  |  |  | RPEQ   |  |  |  | EROSION & SEDIMENT CONTROL SECTIONS & DETAILS  |  |  |  | C809         |  |
|                                |  |  |  | PROJECT DIRECTOR   |  |  |  | DATE   |  |  |  | REV          |  |
|                                |  |  |  | JOSHUA STONE   |  |  |  | SCALE  |  |  |  | A            |  |
|                                |  |  |  | CHECKED  |  |  |  | CLIENT   |  |  |  |              |  |
|                                |  |  |  | PROJECT MANAGER  |  |  |  | LOCATION                                       |  |  |  |              |  |
|                                |  |  |  | DATE   |  |  |  | SHEET TITLE                                    |  |  |  |              |  |
|                                |  |  |  | DATE   |  |  |  |  |  |  |  |              |  |



EROSION & SEDIMENT CONTROL NOTES

1. LOCATION & LEVELS OF ALL EXISTING SERVICES TO BE CONFIRMED ON SITE BY CONTRACTOR PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
2. REFER EARTHWORKS DRAWINGS FOR ADDITIONAL NOTES.
3. ALL TRENCHES, FOOTPATH EXCAVATIONS & STOCKPILES TO BE PROTECTED BY TEMPORARY SEDIMENT FENCES UNTIL 80% GRASS COVERAGE IS ACHIEVED TO DISTURBED AREAS.
4. EVERY PRECAUTION IS TO BE TAKEN TO PREVENT THE TRANSPORT OF SILT INTO THE NEWLY LAID STORMWATER PIPES THAT ARE CONNECTED TO THE DOWNSTREAM PIPE SYSTEMS, AND ANY EXISTING OPEN CHANNELS.
5. THESE NOTES SHALL BE READ IN CONJUNCTION WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
6. THE EROSION AND SEDIMENT CONTROL WORKS SHALL COMPLY WITH THE REQUIREMENTS OF THE LOCAL AUTHORITIES EROSION AND SEDIMENT CONTROL STANDARDS.
7. THE CONTRACTOR SHALL TAKE ALL REASONABLE AND PRACTICABLE MEASURES TO:

▪ ALLOW STORMWATER TO PASS THROUGH THE SITE IN A CONTROLLED MANNER AND AT NON EROSIIVE FLOW VELOCITIES;

▪ MINIMISE SOIL EROSION FROM WATER AND WIND;

▪ MINIMISE ADVERSE EFFECTS OF SEDIMENT RUN-OFF;

▪ MINIMISE OR PREVENT ENVIRONMENTAL HARM ASSOCIATED WITH DISCHARGES FROM THE SITE (E.G. THE EFFECTS OF SEDIMENTATION ON THE ENVIRONMENTAL VALUES OF RECEIVING WATERS); AND

▪ ENSURE THAT THE VALUE AND USE OF RESIDENTIAL PROPERTIES ADJACENT TO THE DEVELOPMENT (SUCH AS DRAINAGE AND ROADS) ARE NOT DIMINISHED AS A RESULT OF THE MIGRATION OF SEDIMENT FROM THE DEVELOPMENT.
4. THE CONTRACTOR SHALL APPOINT AN APPROPRIATELY EXPERIENCED PERSON TO BE MADE RESPONSIBLE FOR IMPLEMENTATION OF THE ESC.
5. ALL ESC MEASURES SHALL BE INSPECTED:

▪ AT LEAST DAILY (WHEN WORK IS OCCURRING ON SITE).

▪ AT LEAST WEEKLY (WHEN WORK IS NOT OCCURRING ON SITE).

▪ WITHIN 24 HOURS OF EXPECTED RAINFALL.

▪ WITHIN 18 HOURS OF RAINFALL OCCURRING.
6. MAINTENANCE OF ESC MEASURES SHALL OCCUR TO ENSURE THEY ARE OPERATING EFFICIENTLY AND IN ACCORDANCE WITH THE FOLLOWING SCHEDULE:

| ESC MEASURES       | MAINTENANCE TRIGGER   | TIME FRAME FOR UNDERTAKING MAINTENANCE |
|--------------------|---|--|
| SEDIMENT BASINS    | WHEN SETTLED SEDIMENT VOLUME EXCEEDS THE VOLUME OF THE SEDIMENT SETTLEMENT ZONE | WITHIN 4 DAYS OF INSPECTION            |
| OTHER ESC MEASURES | WHEN SETTLED SEDIMENT VOLUME EXCEEDS 25% OF THE CAPACITY OF THE ESC MEASURE     | BY THE END OF THE DAY                  |

7. INSTALL DIVERSION CATCH DRAINS UPSTREAM OF, AND SILT FENCE DOWNSTREAM OF, STOCKPILES.
8. STOCKPILES ARE TO BE LOCATED AWAY FROM EROSION HAZARD AREAS SUCH AS DRAINAGE LINES AND STEEP SLOPES.
9. STOCKPILES ARE TO BE PROTECTED FROM EROSION BY THE WIND.
10. ADEQUATE SUPPLIES OF EMERGENCY MAINTENANCE MATERIALS, INCLUDING (BUT NOT LIMITED TO) TIE WIRE, STAKES, FILTER CLOTH, WIRE MESH AND CLEAN GRAVEL SHOULD BE AVAILABLE ON-SITE.
11. ESC MAINTENANCE ACTIVITIES ARE TO BE RECORDED IN AN ON-SITE REGISTER. THE REGISTER IS TO BE MAINTAINED FOR THE DURATION OF THE WORKS AND IS TO BE MADE AVAILABLE TO THE SUPERINTENDENT.
12. SUPPLEMENTARY ESC MEASURES SHALL BE DIRECTED BY THE SUPERINTENDENT.

SEDIMENT BASIN CONSTRUCTION NOTE

- SEDIMENT BASIN EMBANKMENT TO BE COMPACTED TO 95% STD. TESTS WILL BE REQUIRED TO CONFIRM COMPACTION.
- ALL SPILLWAYS TO BE LINED WITH GEOFABRIC & DUMPED ROCK.

UPSTREAM OVERLAND CLEAN WATER DIVERSION

UPSTREAM CLEAN WATER DIVERSION DRAINS ARE TO FLOW AROUND THE SITE TO AVOID DISTURBED AREAS INCLUDING SEDIMENT BASINS DURING THE CONSTRUCTION PHASE

NOTE:  
TURBID PTY LTD ARE TO BE ENGAGED TO UNDERTAKE ALL WORKS ASSOCIATED WITH AUTOMATED FLOCKING SYSTEMS AND MAINTENANCE OF THE HES BASINS

SEDIMENT BASIN MAINTENANCE

1. SEDIMENT BASINS SHOULD BE INSPECTED DURING THE FOLLOWING PERIODS:

• DURING CONSTRUCTION TO DETERMINE WHETHER MACHINERY OR CONSTRUCTION ACTIVITIES HAVE DAMAGED ANY COMPONENTS OF THE SEDIMENT BASIN. IF DAMAGE HAS OCCURRED, FIX IT;

• AFTER EACH RUNOFF EVENT. INSPECT THE EROSION DAMAGE AT FLOW ENTRY AND EXIT POINTS;

• AT LEAST WEEKLY DURING THE WET SEASON AND THEN FORTNIGHTLY AFTER THAT;

• PRIOR TO, AND IMMEDIATELY AFTER, PERIODS OF “STOP WORK” OR SITE SHUT DOWN.
2. CLEAN OUT ACCUMULATED SEDIMENT WHEN IT REACHES THE MARKER BOARD/POST, AND RESTORE THE ORIGINAL STORAGE VOLUME. PLACE SEDIMENT IN A DISPOSAL AREA OR IF APPROPRIATE MIX WITH DRY SOIL ON SITE.
3. DO NOT DISPOSE OF SEDIMENT IN A MANNER THAT WILL CREATE AN EROSION OR POLLUTION HAZARD.
4. CHECK ALL VISIBLE PIPE CONNECTIONS FOR LEAKS, AND REPAIR AS NECESSARY.
5. CHECK FILL MATERIAL IN THE DAM FOR EXCESSIVE SETTLEMENT, SLUMPING OF THE SLOPES OR PIPING BETWEEN THE CONDUIT AND THE EMBANKMENT, MAKE ALL NECESSARY REPAIRS.
6. REMOVE ALL TRASH AND OTHER DEBRIS FROM THE BASIN AND RISER.
7. SUBMERGE INFLOW PIPES MUST BE INSPECTED AND DE-SILTED (AS REQUIRED) AFTER EACH

SEDIMENT BASIN REMOVAL

1. WHEN GRADING AND CONSTRUCTION IN THE DRAINAGE AREA ABOVE A TEMPORARY SEDIMENT BASIN IS COMPLETED AND THE DISTURBED AREAS ARE ADEQUATELY STABILISED, THE BASIN MUST BE REMOVED. SEDIMENT SHOULD BE CLEARED AND PROPERLY DISPOSED OF AND THE BASIN AREA STABILISED.
2. BEFORE STARTING ANY MAINTENANCE WORK ON THE BASIN, INSTALL ALL NECESSARY SHORT TERM SEDIMENT CONTROL MEASURES DOWNSTREAM OF THE SEDIMENT BASIN.
3. ALL WATER AND SEDIMENT MUST BE REMOVED FROM THE BASIN. DISPOSE OF SEDIMENT AND WATER IN A MANNER THAT WILL NOT CREATE AN EROSION OR POLLUTION HAZARD.
4. BRING THE DISTURBED BASIN AREAS TO A PROPER GRADE, THEN SMOOTH, COMPACT, AND STABILISE AND/OR REVEGETATE AS REQUIRED TO ESTABLISH A STABLE LAND SURFACE.



CHRIS HUTTON  
CPESC. 6241



27/06/18

CONSTRUCTION ISSUE

|   |   |                         |  |  |  |   |  |  |  |  |  |          |      |      |         |   |                         |                 |       |  |                  |      |  |   |              |  |   |  |  |  |        |  |        |  |         |  |  |  |          |                        |  |  |             |                                  |  |  |  |  |          |  |           |  |              |     |      |   |
|---|---|-------------------------|--|--|--|---|--|--|--|--|--|----------|------|------|---------|---|-------------------------|-----------------|-------|--|------------------|------|--|---|--------------|--|---|--|--|--|--------|--|--------|--|---------|--|--|--|----------|------------------------|--|--|-------------|----------------------------------|--|--|--|--|----------|--|-----------|--|--------------|-----|------|---|
|   |   |                         |  |  |  | <br><b>Premise</b> |  | <b>BRISBANE OFFICE</b><br>LEVEL 1, 100 BRUNSWICK STREET<br>PO BOX 361<br>FORTITUDE VALLEY, QLD 4006<br>PH: (07) 3253 2222<br>WEB: www.premise.com.au |  | <table><tr><td>DESIGNED</td><td>RPEQ</td><td>DATE</td></tr><tr><td>CHECKED</td><td></td><td>KEITH HOWELLS RPEQ 7295</td></tr><tr><td>PROJECT MANAGER</td><td colspan="2">SCALE</td></tr><tr><td>PROJECT DIRECTOR</td><td colspan="2">DATE</td></tr><tr><td></td><td colspan="2">JOSHUA STONE</td></tr></table> |  | DESIGNED | RPEQ | DATE | CHECKED |  | KEITH HOWELLS RPEQ 7295 | PROJECT MANAGER | SCALE |  | PROJECT DIRECTOR | DATE |  |  | JOSHUA STONE |  | <table><tr><td colspan="2">CLIENT</td><td colspan="2">MIRVAC</td></tr><tr><td>PROJECT</td><td colspan="3">EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT</td></tr><tr><td>LOCATION</td><td colspan="3">TEVIOT ROAD, GREENBANK</td></tr><tr><td>SHEET TITLE</td><td colspan="3">EROSION &amp; SEDIMENT CONTROL NOTES</td></tr></table> |  |  |  | CLIENT |  | MIRVAC |  | PROJECT | EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT |  |  | LOCATION | TEVIOT ROAD, GREENBANK |  |  | SHEET TITLE | EROSION & SEDIMENT CONTROL NOTES |  |  | <table><tr><td colspan="2">JOB CODE</td></tr><tr><td colspan="2">MIR001-01</td></tr><tr><td>SHEET NUMBER</td><td>REV</td></tr><tr><td>C810</td><td>A</td></tr></table> |  | JOB CODE |  | MIR001-01 |  | SHEET NUMBER | REV | C810 | A |
| DESIGNED  | RPEQ  | DATE                    |  |  |  |   |  |  |  |  |  |          |      |      |         |   |                         |                 |       |  |                  |      |  |   |              |  |   |  |  |  |        |  |        |  |         |  |  |  |          |                        |  |  |             |                                  |  |  |  |  |          |  |           |  |              |     |      |   |
| CHECKED   |  | KEITH HOWELLS RPEQ 7295 |  |  |  |   |  |  |  |  |  |          |      |      |         |   |                         |                 |       |  |                  |      |  |   |              |  |   |  |  |  |        |  |        |  |         |  |  |  |          |                        |  |  |             |                                  |  |  |  |  |          |  |           |  |              |     |      |   |
| PROJECT MANAGER   | SCALE   |                         |  |  |  |   |  |  |  |  |  |          |      |      |         |   |                         |                 |       |  |                  |      |  |   |              |  |   |  |  |  |        |  |        |  |         |  |  |  |          |                        |  |  |             |                                  |  |  |  |  |          |  |           |  |              |     |      |   |
| PROJECT DIRECTOR  | DATE  |                         |  |  |  |   |  |  |  |  |  |          |      |      |         |   |                         |                 |       |  |                  |      |  |   |              |  |   |  |  |  |        |  |        |  |         |  |  |  |          |                        |  |  |             |                                  |  |  |  |  |          |  |           |  |              |     |      |   |
|  | JOSHUA STONE  |                         |  |  |  |   |  |  |  |  |  |          |      |      |         |   |                         |                 |       |  |                  |      |  |   |              |  |   |  |  |  |        |  |        |  |         |  |  |  |          |                        |  |  |             |                                  |  |  |  |  |          |  |           |  |              |     |      |   |
| CLIENT  |   | MIRVAC                  |  |  |  |   |  |  |  |  |  |          |      |      |         |   |                         |                 |       |  |                  |      |  |   |              |  |   |  |  |  |        |  |        |  |         |  |  |  |          |                        |  |  |             |                                  |  |  |  |  |          |  |           |  |              |     |      |   |
| PROJECT   | EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT  |                         |  |  |  |   |  |  |  |  |  |          |      |      |         |   |                         |                 |       |  |                  |      |  |   |              |  |   |  |  |  |        |  |        |  |         |  |  |  |          |                        |  |  |             |                                  |  |  |  |  |          |  |           |  |              |     |      |   |
| LOCATION  | TEVIOT ROAD, GREENBANK  |                         |  |  |  |   |  |  |  |  |  |          |      |      |         |   |                         |                 |       |  |                  |      |  |   |              |  |   |  |  |  |        |  |        |  |         |  |  |  |          |                        |  |  |             |                                  |  |  |  |  |          |  |           |  |              |     |      |   |
| SHEET TITLE   | EROSION & SEDIMENT CONTROL NOTES  |                         |  |  |  |   |  |  |  |  |  |          |      |      |         |   |                         |                 |       |  |                  |      |  |   |              |  |   |  |  |  |        |  |        |  |         |  |  |  |          |                        |  |  |             |                                  |  |  |  |  |          |  |           |  |              |     |      |   |
| JOB CODE  |   |                         |  |  |  |   |  |  |  |  |  |          |      |      |         |   |                         |                 |       |  |                  |      |  |   |              |  |   |  |  |  |        |  |        |  |         |  |  |  |          |                        |  |  |             |                                  |  |  |  |  |          |  |           |  |              |     |      |   |
| MIR001-01   |   |                         |  |  |  |   |  |  |  |  |  |          |      |      |         |   |                         |                 |       |  |                  |      |  |   |              |  |   |  |  |  |        |  |        |  |         |  |  |  |          |                        |  |  |             |                                  |  |  |  |  |          |  |           |  |              |     |      |   |
| SHEET NUMBER  | REV   |                         |  |  |  |   |  |  |  |  |  |          |      |      |         |   |                         |                 |       |  |                  |      |  |   |              |  |   |  |  |  |        |  |        |  |         |  |  |  |          |                        |  |  |             |                                  |  |  |  |  |          |  |           |  |              |     |      |   |
| C810  | A   |                         |  |  |  |   |  |  |  |  |  |          |      |      |         |   |                         |                 |       |  |                  |      |  |   |              |  |   |  |  |  |        |  |        |  |         |  |  |  |          |                        |  |  |             |                                  |  |  |  |  |          |  |           |  |              |     |      |   |
| 15/09/17  | A   | ORIGINAL ISSUE          |  |  |  | KH  |  |  |  |  |  |          |      |      |         |   |                         |                 |       |  |                  |      |  |   |              |  |   |  |  |  |        |  |        |  |         |  |  |  |          |                        |  |  |             |                                  |  |  |  |  |          |  |           |  |              |     |      |   |
| DATE  | REV   | DESCRIPTION             |  |  |  | RPEQ  |  |  |  |  |  |          |      |      |         |   |                         |                 |       |  |                  |      |  |   |              |  |   |  |  |  |        |  |        |  |         |  |  |  |          |                        |  |  |             |                                  |  |  |  |  |          |  |           |  |              |     |      |   |
|   |   |                         |  |  |  |   |  |  |  | REVISIONS  |  |          |      |      |         |   |                         |                 |       |  |                  |      |  |   |              |  |   |  |  |  |        |  |        |  |         |  |  |  |          |                        |  |  |             |                                  |  |  |  |  |          |  |           |  |              |     |      |   |



# EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT

## TEVIOT ROAD, GREENBANK

### FOR MIRVAC

#### TEVIOT ROAD & PUB LANE EXTERNAL INTERSECTION

##### GENERAL NOTES

- ALL DIMENSIONS GIVEN ON THESE DRAWINGS ARE IN METRES UNLESS NOTED OTHERWISE.
- ALL NEW WORK AND MATERIALS SHALL COMPLY WITH RELEVANT COUNCIL STANDARDS AND SPECIFICATIONS.
- ALL WORK SHALL BE JOINED NEATLY TO EXISTING CONSTRUCTION.
- THE CONTRACTOR IS TO LOCATE, IDENTIFY AND ESTABLISH THE CONNECTIVITY OF ALL EXISTING SERVICES WITHIN THE LIMITS OF PROPOSED WORKS AND CONFIRM THIS INFORMATION WITH THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MEASURING DEVICES, SAFETY EQUIPMENT AND MACHINERY REQUIRED TO CARRY OUT INSPECTIONS/MEETINGS AS SPECIFIED OR REQUESTED BY THE ENGINEER.
- PROOF ROLLING NOMINATED SHALL BE CARRIED OUT USING A SINGLE AXLE HIGHWAY TRUCK WITH A REAR AXLE LOAD NOT LESS THAN 10 TONNES AND TYRES INFLATED TO 550kPa OR APPROVED EQUIVALENT. EQUIPMENT LABOUR AND LOADING REQUIRED FOR PROOF ROLLING IS TO BE PROVIDED BY THE CONTRACTOR.
- THESE NOTES SHALL APPLY TO ALL PORTIONS OF WORK.
- THE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE SPECIFICATIONS. ANY POINT OF CONFLICT WILL BE RESOLVED BY THE SUPERINTENDENT.

##### NOISE

- ALL PLANT AND EQUIPMENT SHALL BE CONTROLLED TO MINIMISE NOISE EMISSION IN ACCORDANCE WITH AS2436 (GUIDE TO NOISE CONTROL ON CONSTRUCTION, MAINTENANCE AND DEMOLITION). THE SITE WORKING HOURS SHOULD BE IN ACCORDANCE WITH LOCAL AUTHORITY REQUIREMENTS. WHERE NOT SPECIFIED THE HOURS SHALL BE:

MONDAY - SATURDAY 6:30am to 6:00pm  
SUNDAY OR PUBLIC HOLIDAY NO WORK PERMITTED

##### PRE-CONSTRUCTION & APPROVALS

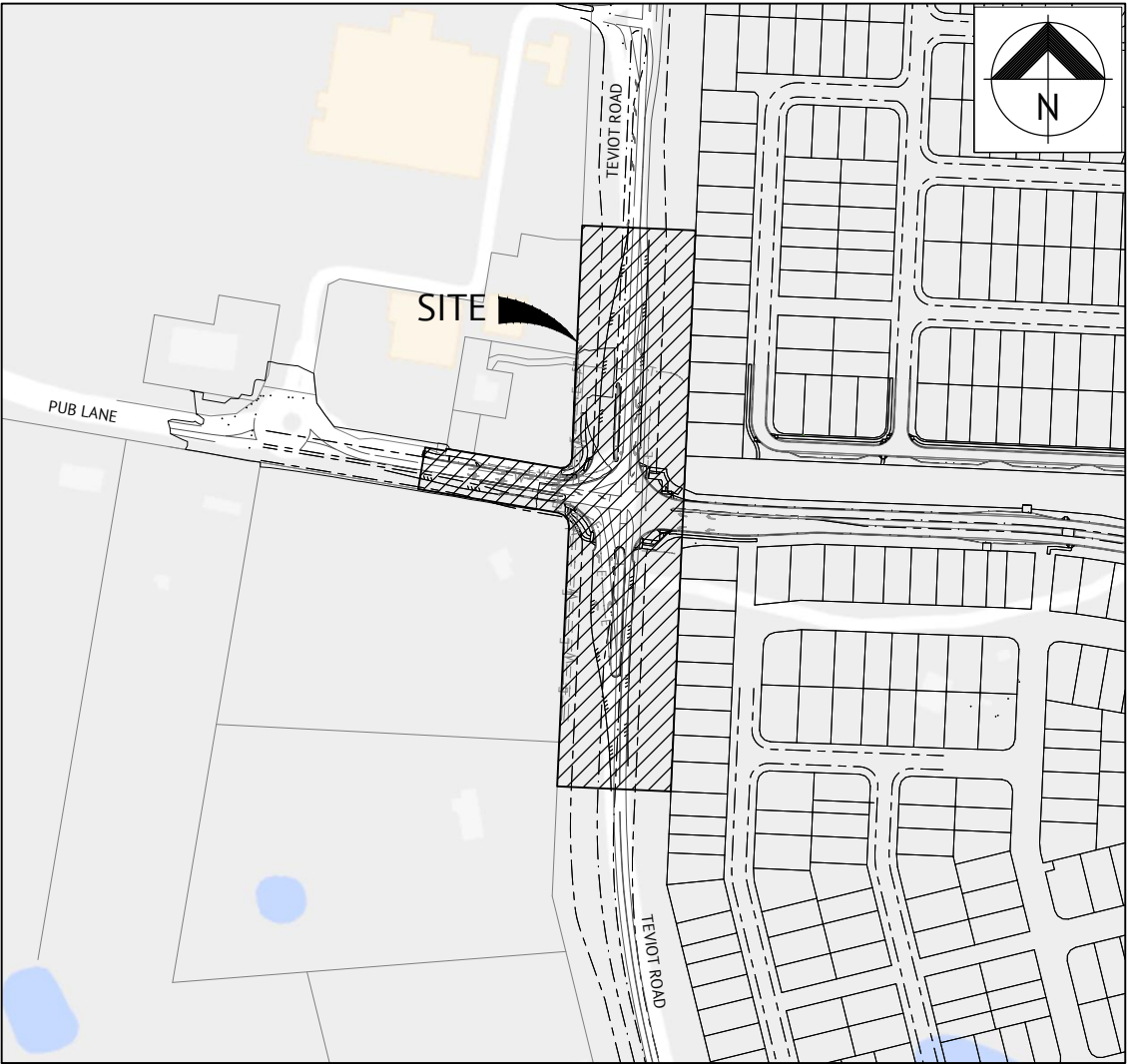
- NO LOCATING/ POTHOLING OF EXISTING SERVICES HAS BEEN CARRIED OUT. THE CONTRACTOR IS TO DETERMINE THE LOCATION AND DEPTH OF ALL EXISTING SERVICES WHICH AFFECT THE WORKS AND REPORT ANY POTENTIAL CLASHES TO THE SUPERINTENDENT PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION WORKS.
- THE CONTRACTOR IS RESPONSIBLE FOR ARRANGING WITH THE APPROPRIATE AUTHORITY FOR LOCATING EXISTING SERVICES AND FOR ANY MODIFICATIONS TO EXISTING SERVICES REQUIRED AS A RESULT OF THE WORKS.
- THE CONTRACTOR IS RESPONSIBLE TO PROTECT ALL EXISTING SERVICES FROM DAMAGE.
- ANY WORKS DAMAGED AS A RESULT OF CONSTRUCTION ARE TO BE REINSTATED TO RELEVANT AUTHORITY'S REQUIREMENTS AT THE CONTRACTORS COST.
- FINISHED SURFACE LEVELS ARE TO BE GRADED UNIFORMLY BETWEEN LEVELS INDICATED ON THE DRAWINGS.

##### WORKPLACE HEALTH AND SAFETY

- THE CONTRACTOR SHALL BE THE PRINCIPAL CONTRACTOR AS DESIGNATED BY THE WORK HEALTH AND SAFETY ACT (2011).
- THE CONTRACTOR SHALL PREPARE AND IMPLEMENT A WORKPLACE HEALTH AND SAFETY PLAN AS REQUIRED BY THE WORK HEALTH AND SAFETY ACT (2011).

##### SETOUT NOTES

- CO-ORDINATE SETOUT PROVIDED ON THESE DRAWINGS IS BASED ON A COORDINATE BASE PROVIDED BY SAUNDERS HAVILL GROUP.
- THE LEVEL DATUM FOR WORKS IS A.H.D (AUSTRALIAN HEIGHT DATUM).



LOCALITY PLAN

##### Sheet List Table

| Sheet Number | Sheet Title  |
|--------------|--|
| C900         | EXTERNAL INTERSECTION LOCALITY PLAN & NOTES            |
| C901         | ROADWORKS AND EARTHWORKS NOTES AND DETAILS PLAN        |
| C902         | PUBLIC UTILITIES AND DEMOLITION PLAN SHEET 1 OF 4      |
| C903         | PUBLIC UTILITIES AND DEMOLITION PLAN SHEET 2 OF 4      |
| C904         | PUBLIC UTILITIES AND DEMOLITION PLAN SHEET 3 OF 4      |
| C905         | PUBLIC UTILITIES AND DEMOLITION PLAN SHEET 4 OF 4      |
| C906         | TYPICAL CROSS SECTIONS AND PLAN DETAILS SHEET 1 OF 2   |
| C907         | TYPICAL CROSS SECTIONS AND PLAN DETAILS SHEET 2 OF 2   |
| C908         | CONTROL LINE SETOUT PLAN                               |
| C909         | ROADWORKS AND LONGITUDINAL SECTION PLAN SHEET 1 OF 3   |
| C910         | ROADWORKS AND LONGITUDINAL SECTION PLAN SHEET 2 OF 3   |
| C911         | ROADWORKS AND LONGITUDINAL SECTION PLAN SHEET 3 OF 3   |
| C912         | ROADWORKS SETOUT AND DETAILS PLANS SHEET 1 OF 2        |
| C913         | ROADWORKS SETOUT AND DETAILS PLANS SHEET 2 OF 2        |
| C914         | PAVEMENT TREATMENT AND SURFACE DRAIN PLAN SHEET 1 OF 3 |
| C915         | PAVEMENT TREATMENT AND SURFACE DRAIN PLAN SHEET 2 OF 3 |
| C916         | PAVEMENT TREATMENT AND SURFACE DRAIN PLAN SHEET 3 OF 3 |
| C917         | LINEMARKING AND SIGNAGE PLAN SHEET 1 OF 3              |
| C918         | LINEMARKING AND SIGNAGE PLAN SHEET 2 OF 3              |
| C919         | LINEMARKING AND SIGNAGE PLAN SHEET 3 OF 3              |
| C920         | SOIL EROSION AND SEDIMENT CONTROL PLAN                 |

##### INDEMNITY - EXISTING SERVICES

NOT WITHSTANDING THAT EXISTING SERVICES MAY OR MAY NOT BE SHOWN ON THESE DRAWINGS, NO RESPONSIBILITY IS TAKEN BY THE ENGINEER OR THE PRINCIPAL FOR THIS INFORMATION WHICH HAS BEEN SUPPLIED BY OTHERS. THE DETAILS ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR SHALL ASCERTAIN THE POSITION OF ALL UNDERGROUND SERVICES PRIOR TO EXCAVATION AND SHALL BE RESPONSIBLE FOR THE COST OF REPAIRS TO DAMAGES CAUSED AS A RESULT OF THE WORKS.



# Premise

27/06/18 CONSTRUCTION ISSUE

|                  |          |               |           |          |
|------------------|----------|---------------|-----------|----------|
| PROJECT DIRECTOR | DATE     | RPEQ          | DATE      | REVISION |
|                  | 13/11/17 |               | 13/11/17  | B        |
| JOSHUA STONE     |          | KEITH HOWELLS | RPEQ 7295 |          |



ROADWORDS AND DRAINAGE NOTES

NOTES

- ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH CURRENT LOCAL COUNCIL STANDARD DRAWINGS AND METHODS (U.N.O.).
- NOTWITHSTANDING THE LIMITS OF CUTTING AND FILLING SHOWN ON THE DRAWINGS, THE ACTUAL LIMITS SHALL BE DETERMINED ON SITE BY THE SUPERINTENDENT DURING CONSTRUCTION AND SIMILARLY THE FINISHED SURFACE CONTOURS MAY BE ADJUSTED BY WRITTEN DIRECTION OF THE SUPERINTENDENT DURING CONSTRUCTION.
- THE CONTRACTOR IS TO ASCERTAIN THE EXACT LOCATION OF ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF CONSTRUCTION AND SHALL BE RESPONSIBLE FOR THE COST OF RECTIFICATION OF ANY DAMAGES TO EXISTING SERVICES WHICH MAY OCCUR. THE LOCATION OF EXISTING SERVICES SHOWN ON THESE DRAWINGS ARE APPROXIMATE ONLY.
- SUBGRADE TEST RESULTS TO BE FORWARDED TO SUPERINTENDENT FOR DETERMINATION OF BOX DEPTHS PRIOR TO EXCAVATION. TESTS SHALL INCLUDE SOAKED CBR AND/OR OTHER TESTS AS REQUESTED BY THE SUPERINTENDENT.
- ALLOTMENT FILLING TO BE COMPACTED TO 95% (min) OF THE R.D.D. (AS 1289 - TESTS E1.1, E4.1).
- LEVELS AND SETOUT INFORMATION FOR KERB AND CHANNEL CONSTRUCTION IS GIVEN TO LIP OF KERB.
- LEVELS AND GRADIENTS AT JUNCTIONS WITH EXISTING WORKS MAY BE VARIED AS APPROVED BY THE SUPERINTENDENT TO ACHIEVE SATISFACTORY CONNECTION TO THE EXISTING WORKS.
- SIDE DRAINS AND MITRE DRAINS TO BE CONSTRUCTED ADJACENT TO ALL KERB AND CHANNEL.
- PROVIDE FLUSH POINTS TO SUBSOIL DRAINS, LOCATIONS TO BE CONFIRMED ON SITE.
- ALL STORMWATER PIPES SHALL BE CLASS '2' (UNO) R.C. PIPES UNLESS AN ALTERNATIVE IS APPROVED BY THE SUPERINTENDENT PRIOR TO CONSTRUCTION. ALL PIPES ARE 375mm DIAMETER U.N.O.
- GULLIES AND GULLY GRATES SHALL BE TO STD. DRGs BSD-8051 - BSD-8059.
- KACEY GALV. STEEL KERB ADAPTORS ARE TO BE INSTALLED TO THE REQUIREMENTS OF THE LOCAL COUNCILS STANDARD DRAWINGS AND SPECIFICATIONS.
- ALL LOTS SHOWN BOXED TO HAVE ROOFWATER FOOTPATH CROSSINGS TO KERB. CROSSINGS ARE TO BE 88.9 DIA. GALV. CHS. TO KACEY KERB ADAPTOR.
- ALL TEMPORARY ROOFWATER OUTLETS TO BE EXCAVATED AT 1 IN 200 TO NATURAL SURFACE.
- ROOFWATER PITS ARE TO BE 600mm DIAMETER FOR DEPTHS LESS THAN 750mm, 900mm DIAMETER FOR DEPTHS BETWEEN 750mm AND 1500mm DEEP AND 1050mm DIAMETER FOR DEPTHS GREATER THAN 1500mm.
- ALL ROOFWATER PIPES CROSSING CONCRETE FOOTPATHS ARE TO BE INSTALLED PRIOR TO CONSTRUCTION OF CONCRETE FOOTPATHS.
- HAZARD MARKERS (D4-4A) TO BE PLACED AT THE END OF NEW WORKS AS DIRECTED BY SUPERINTENDENT.
- SITE CBR VALUE AND PAVEMENT DESIGN AND DEPTHS TO BE VERIFIED WITH CBR TESTS PRIOR TO CONSTRUCTION.
- LOCATION & LEVELS OF ALL EXISTING SERVICES TO BE CONFIRMED ON SITE BY CONTRACTOR PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- TO BE READ IN CONJUNCTION WITH ALL STORMWATER DRAINAGE LAYOUT PLANS & ROADWORKS DETAILS.

ROADWORKS NOTES

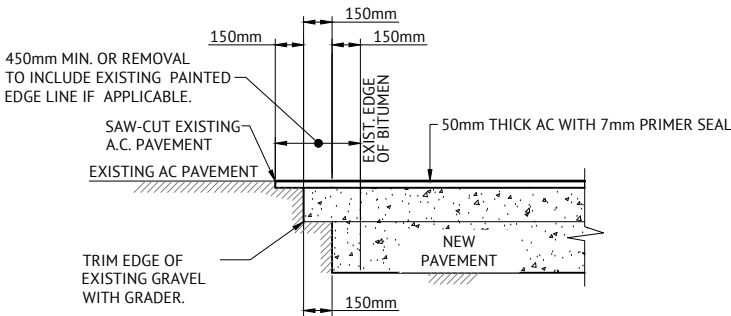
- GEOTECHNICAL TESTING FOR PAVEMENT CONSTRUCTION IS TO BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT SPECIFICATION. TEST CERTIFICATES ARE TO BE PREPARED BY A REGISTERED N.A.T.A. LABORATORY AT THE CONTRACTORS COST AND SHALL BE PROVIDED TO THE ENGINEER PROGRESSIVELY THROUGH THE WORKS. THE CONTRACTOR IS TO NOTIFY THE ENGINEER OF ANY NON-CONFORMANCES. ALL NON CONFORMING WORK IS TO BE RECTIFIED AS DIRECTED BY THE ENGINEER.
- FULL DEPTH PAVEMENT CONSTRUCTION SHALL EXTEND BEHIND ALL KERB AND KERB AND CHANNEL FOR A DISTANCE WHICH IS THE GREATER OF 150mm FROM THE BACK OF KERB OR ACROSS TO THE OUTER LIMIT OF SIDE DRAIN FILTER MATERIAL.
- TRANSITION KERB AND CHANNEL TO BARRIER KERB SMOOTHLY OVER MIN. 1.0m LENGTH.
- PAVEMENT THICKNESSES NOMINATED ON THESE DRAWINGS ARE PROVISIONAL ONLY AND MAY BE VARIED BY THE SUPERINTENDENT SUBJECT TO INSITU PAVEMENT SUBGRADE TESTING. PAVEMENT SUBGRADES ARE TO BE INITIALLY CONSTRUCTED TO THE UNDERSIDE OF THE NOMINATED LOWER SUBBASE COURSE WITHIN FILL AREAS, AND TO THE UNDERSIDE OF THE NOMINATED UPPER SUBBASE COURSE WITHIN CUT AREAS. INSITU SUBGRADE CBR TESTING AS SPECIFIED FOR PAVEMENT DESIGN VERIFICATION IS TO BE CARRIED OUT AT THESE LEVELS.
- REPAIR ANY DAMAGE TO EXISTING KERB AND CHANNEL, FOOTPATH OR ROADWAY (INCLUDING REMOVAL OF CONCRETE SLURRY FROM FOOTPATHS, ROADS, KERB AND CHANNEL AND STORMWATER GULLIES AND SIDEDRAINS) THAT MAY OCCUR DURING ANY WORKS CARRIED OUT.

STORMWATER DRAINAGE NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE STORMWATER DRAINAGE DRAWINGS.
- STORMWATER PITS ARE TO BE CONSTRUCTED INSITU IN ACCORDANCE WITH DRAWINGS OR AS VARIED AS NOTED ON THE DRAWING. PREFABRICATED STORMWATER PITS CAN BE USED SUBJECT TO WRITTEN APPROVAL FROM THE SUPERINTENDENT. CLASS D HEAVY DUTY GALVANIZED STEEL GRATES ARE TO BE FITTED IN TRAFFIC AREAS, CLASS B LIGHT DUTY GALVANIZED STEEL GRATES ARE TO BE FITTED IN LANDSCAPE AREAS UNLESS NOTED OTHERWISE.
- ALL DRAINAGE EXCAVATION AND CONSTRUCTION SHALL BE CARRIED OUT IN ACCORDANCE WITH AS3500 AND THE APPLICABLE LOCAL AUTHORITY SPECIFICATIONS AND STANDARD DETAILS.
- ALL MATERIALS SHALL MEET THE REQUIREMENTS OF AS1254 & AS1273.
- ALL uPVC PIPES SHALL BE CLASS 'SN8' FOR Ø150 & Ø225, AND CLASS 'SN6' FOR Ø100 UNLESS NOTED OTHERWISE.
- PIPES SHALL BE LAID AT MIN. 1% GRADE UNLESS NOTED OTHERWISE.
- CONTRACTOR MUST VERIFY THAT ALL PIPE LEVELS AND GRADES CAN BE ACHIEVED PRIOR TO CONSTRUCTING DRAIN LINES. ANY CONFLICT SHALL BE REPORTED TO THE SUPERINTENDENT FOR ANY NECESSARY ALTERATIONS PRIOR TO ANY CONSTRUCTION OF CONNECTING PIPEWORK.
- WHERE PIPES ARE TO BE LAID WITHIN THE ZONE OF INFLUENCE OF STRUCTURAL LOADINGS (e.g. BUILDING FOOTINGS, RETAINING WALLS...etc) THE BUILDER SHALL PROVIDE ADEQUATE BRIDGING / PROTECTION. WHERE ANY DOUBT MAY EXIST REFERENCE SHALL BE MADE TO THE DESIGNER OF THE STRUCTURE.
- BENCHING OF PIT STRUCTURES SHALL HAVE A SMOOTH FINISHED SURFACE, AND PIPES SHALL NOT PROJECT INSIDE THE SHAFT OF THE PIT.
- WHERE RECTANGULAR PIT STRUCTURES ARE USED, PIPES MUST NOT CONNECT TO THE PIT AT CORNERS.
- ALL CONSTRUCTION AND EXCAVATIONS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT REQUIREMENTS OF THE WORK HEALTH AND SAFETY ACT 2011 AND SUBSEQUENT AMENDMENTS.

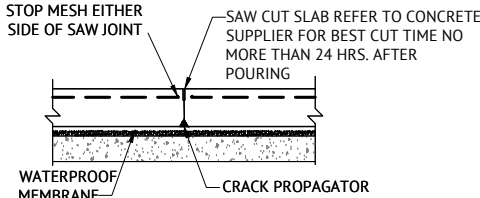
CONCRETE REQUIREMENTS

| ITEM                       | 28 DAY STRENGTH | CONCRETE CYLINDER TEST | TESTING FREQUENCY            |
|----------------------------|-----------------|------------------------|------------------------------|
| KERB & CHANNEL             | N32             | REQUIRED               | 1 TEST PER 300m              |
| VEHICULAR CROSSINGS        | N25             | REQUIRED               | 1 TEST PER CROSSING          |
| BIKEWAYS                   | N25             | REQUIRED               | 1 TEST PER 300m              |
| FOOTPATHS                  | N25             | REQUIRED               | 1 TEST PER 300m              |
| CONCRETE CHANNELS          | N25             | REQUIRED               | 1 TEST PER 150m <sup>2</sup> |
| STRUCTURES                 | AS DESIGN       | REQUIRED               | AS DIRECTED                  |
| ROOFWATER MH'S             | N20             | NOT REQUIRED           |                              |
| STORMWATER MH'S            | N25             | NOT REQUIRED           |                              |
| PRECAST MANHOLE ROOF SLABS | N40             | NOT REQUIRED           |                              |
| GULLY PITS                 |                 |                        |                              |
| ... PRECAST LINTEL         | N30             | NOT REQUIRED           |                              |
| ... OTHER                  | N25             | NOT REQUIRED           |                              |

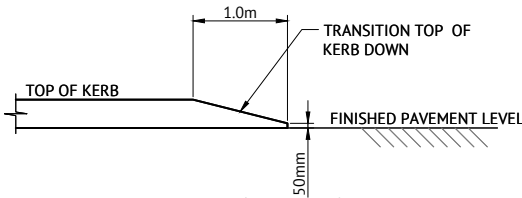


TYPICAL PAVEMENT CUT-BACK DETAIL

N.T.S.



SAWCUT JOINT (S.J.)



KERB END DETAIL

EARTHWORKS NOTES

NOTES

- LOCATION & LEVELS OF ALL EXISTING SERVICES TO BE CONFIRMED ON SITE BY CONTRACTOR PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- EARTHWORKS DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE EROSION AND SEDIMENT CONTROL LAYOUT PLANS AND THE EROSION AND SEDIMENT CONTROL NOTES AND DETAILS.
- ALL EARTHWORKS TO BE CARRIED OUT UNDER 'LEVEL ONE' GEOTECHNICAL CONTROL IN ACCORDANCE WITH LOCAL AUTHORITIES AND AS3798.
- EXCESS CUT TO BE STOCKPILED IN THE LOCATION SHOWN OR AS DIRECTED ON SITE.
- ALL BATTERS ARE 1 IN 4 UNLESS SHOWN OTHERWISE.

TESTING

- THE SUPERINTENDENT MAY ORDER ADDITIONAL TESTS. REFER TO THE LOCAL AUTHORITY'S SPECIFICATION FOR STANDARDS OF COMPACTION AND MATERIAL STANDARDS.

EARTHWORKS TESTING

- COMPACTION TESTS

| LOCATION   | AREA PER TEST                                 |
|--|---|
| FINISHED LEVEL OR ROAD SUBGRADE (IN CUT OR FILL) | REFER TO THE LOGAN CITY COUNCIL SPECIFICATION |
| LOWEST TWO LEVELS OF EMBANKMENT (PER LAYER)      |   |
| OTHER LAYERS OF EMBANKMENT (PER LAYER)           |   |
| PREPARED NATURAL GROUND UNDER EMBANKMENT         |   |

- QUALITY TESTS  
QUALITY TESTS OF IMPORTED MATERIAL ARE REQUIRED AS SET OUT BY LOCAL AUTHORITY.
- SUBGRADE TESTS  
THE NUMBER AND LOCATION OF PAVEMENT SUBGRADE TESTS SHALL BE AS DETERMINED BY THE SUPERINTENDENT WHO SHALL RECOMMEND CBR VALUES TO BE USED IN ROAD PAVEMENT DESIGN. THE NUMBER AND TYPES OF CBR TESTS SHALL BE DETERMINED BY THE SOILS TESTING CONSULTANT TO BEST REPRESENT THE CONDITION OF THE SUBGRADE EXPECTED IN SERVICE.

DUST

- NO VISIBLE DUST EMISSIONS MUST OCCUR AT THE BOUNDARIES OF THE SITE DURING EARTHWORKS AND CONSTRUCTION ACTIVITIES ON THE SITE.
- THE CONTRACTOR TO PROVIDE A WATER TRUCK AS REQUIRED TO ELIMINATE THE DUST PROBLEM CAUSED BY SITE TRAFFIC.




CONDUITS

- THE CONTRACTOR IS TO CONFIRM THE LOCATION OF SERVICE CONDUITS WITH THE SUPERINTENDENT PRIOR TO LAYING.

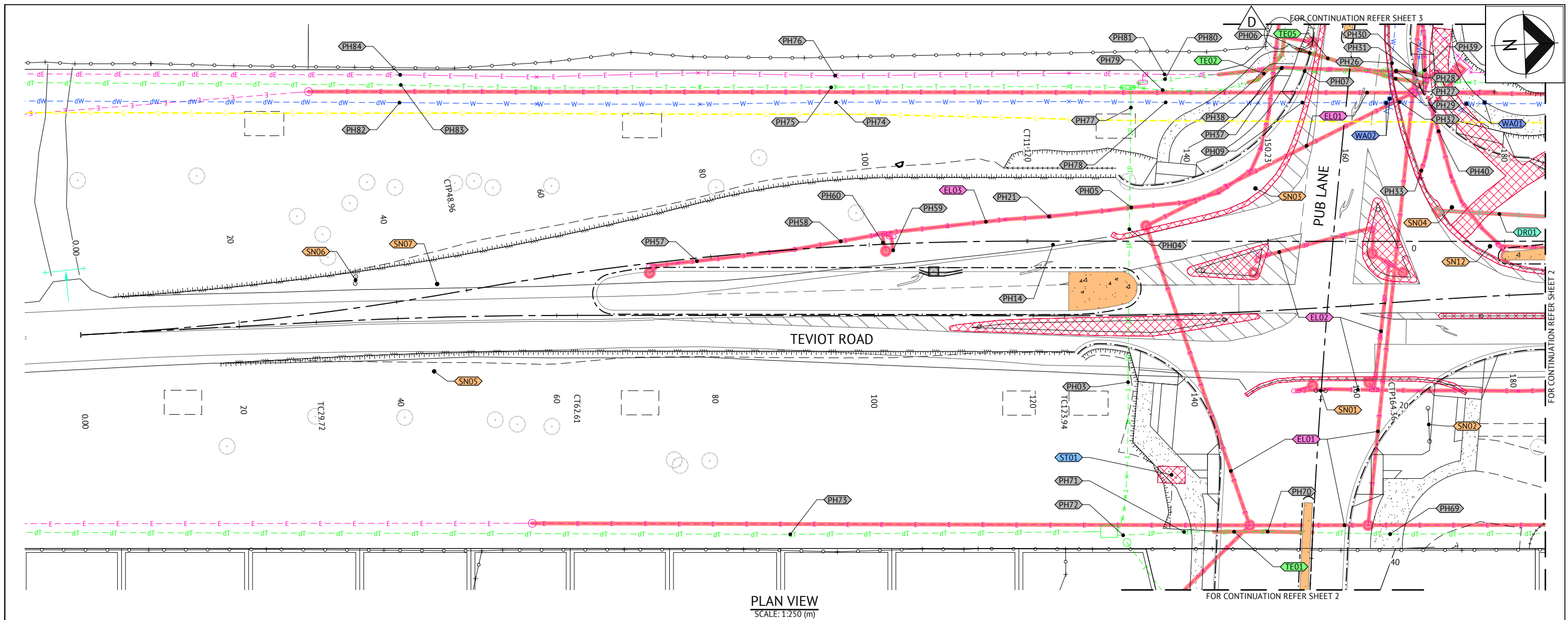
FILL MANAGEMENT

- ALL FILL MATERIAL WILL BE PLACED IN ACCORDANCE WITH THE APPROVED SPECIFICATION.
- THE FILL MATERIAL WILL COMPRISE ONLY OF NATURAL EARTH AND ROCK AND SHALL BE FREE OF ALL CONTAMINATES, NOXIOUS, HAZARDOUS, DELETERIOUS AND ORGANIC MATERIAL.
- ALL SITE PREPARATION WORK SHOULD GENERALLY BE CARRIED OUT IN ACCORDANCE WITH AS3798 'GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS'.
- THE SITE SHOULD BE STRIPPED OF ANY TOPSOIL FROM CUT AND FILL AREAS, ROAD ALIGNMENTS AND CARPARKING AREAS, AND STOCKPILED FOR LATER USE. PRIOR TO THE PLACEMENT OF ANY STRUCTURAL FILL THE SITE SHOULD BE PROOF ROLLED USING A MINIMUM 10 TONNE (STATIC WEIGHT) PADFOOT ROLLER. ANY LOOSE OR SOFT AREAS SHOULD BE REMOVED AND RECOMPACTED OR REPLACED USING A COMPACTED SELECT FILL.
- DEPRESSIONS FORMED BY THE REMOVAL OF VEGETATION, EXISTING STRUCTURES, UNDERGROUND SERVICES ETC, SHOULD HAVE ALL DISTURBED SOIL CLEANED OUT AND BE BACKFILLED WITH COMPACTED SELECT FILL MATERIAL. ANY STRUCTURAL CLAY FILL SHOULD BE PLACED IN LOOSE LAYERS NOT GREATER THAN 200mm THICK AT A MOISTURE CONTENT IN THE RANGE -2% TO +3% OF THE STANDARD OPTIMUM MOISTURE CONTENT, AND BE COMPACTED TO A MINIMUM DRY DENSITY RATIO OF 98% UNDER STANDARD COMPACTION AS PER (AS1289 5.1.1/5.2.1). CLAY FILL SHOULD BE COMPACTED USING A MINIMUM 10 TONNE VIBRATING PADFOOT ROLLER. MEASURES SHOULD BE ADOPTED TO ENSURE THAT CLAY FILL MATERIAL IS NOT ALLOWED TO DRY OUT PRIOR TO THE PLACEMENT OF SUCCEEDING LAYERS OF FILL AND FINAL COVERING WITH BUILDING SLABS AND ROAD PAVEMENTS.
- ANY STRUCTURAL, FREE DRAINING SAND FILL SHOULD BE PLACED IN LOOSE LAYERS NOT GREATER THAN 200mm THICK, FLOODED, IF NECESSARY, AND COMPACTED TO A MINIMUM DENSITY INDEX OF 70% AS PER AS1289 5.5.1 USING A STATIC SMOOTH ROLLER DRUM NOT LESS THAN 10 TONNE IN STATIC WEIGHT.
- THE PLACEMENT OF ALL STRUCTURAL FILL TO BE INSPECTED, TESTED AND CERTIFIED BY A GEOTECHNICAL ENGINEER TO A LEVEL 1 REQUIREMENT DURING THE EARTHWORKS OPERATIONS TO ENSURE THAT ALL FILL IS PLACED IN A 'CONTROLLED MANNER', IN ACCORDANCE WITH AS3798 'GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS'.
- THE PLACEMENT OF FILL TO BE EXECUTED SUCH THAT TO BE FREE DRAINING AT ALL TIMES AND NOT TO BE A NUISANCE OR PONDING TO ADJOINING PROPERTY OR ROADS.
- NO DEMOLITION MATERIAL TO BE USED AS FILL MATERIAL.
- WHERE UNSUITABLE MATERIAL IN AREAS OF FILL IS ENCOUNTERED, THIS WILL BE TREATED AS SET OUT IN THE EARTHWORK SPECIFICATION.
- ALL VEHICLES EXITING FROM THE SITE TO BE CLEAN TO PREVENT MATERIAL BEING TRACKED OR DEPOSITED ON THE ADJOINING PUBLIC ROADS, REFER ENVIRONMENTAL MANAGEMENT NOTES.
- ACCESS TRACKS THROUGH THE SITE WILL BE LIMITED TO THOSE DETERMINED BY THE SUPERINTENDENT AND THE CONTRACTOR PRIOR TO ANY WORK COMMENCING.

27/06/18 CONSTRUCTION ISSUE

|                  |  |                           |   |  |   |  |          |          |         |         |                 |         |                  |   |  |  |      |  |      |          |           |  |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |  |  |          |  |           |  |              |     |      |   |
|------------------|--|---------------------------|---|--|---|--|----------|----------|---------|---------|-----------------|---------|------------------|---|--|--|------|--|------|----------|-----------|--|--|--|--|--|--|--|--------|--------|--|--|---------|--|--|--|----------|------------------------|--|--|-------------|---|--|--|--|--|----------|--|-----------|--|--------------|-----|------|---|
|                  |  |                           | <br><b>BRISBANE OFFICE</b><br>LEVEL 1, 100 BRUNSWICK STREET<br>PO BOX 361<br>FORTITUDE VALLEY, QLD 4006<br>PH: (07) 3253 2222<br>WEB: www.premise.com.au |  | <table><tr><td>DESIGNED</td><td>S.BROGAN</td></tr><tr><td>CHECKED</td><td>J.STONE</td></tr><tr><td>PROJECT MANAGER</td><td>J.STONE</td></tr><tr><td>PROJECT DIRECTOR</td><td><br/>JOSHUA STONE</td></tr></table> |  | DESIGNED | S.BROGAN | CHECKED | J.STONE | PROJECT MANAGER | J.STONE | PROJECT DIRECTOR | <br>JOSHUA STONE | <table><tr><td>RPEQ</td><td><br/>KEITH HOWELLS</td><td>DATE</td><td>13/11/17</td></tr><tr><td colspan="4">RPEQ 7295</td></tr></table> |  | RPEQ | <br>KEITH HOWELLS | DATE | 13/11/17 | RPEQ 7295 |  |  |  | <table><tr><td>CLIENT</td><td colspan="3">MIRVAC</td></tr><tr><td>PROJECT</td><td colspan="3">EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT</td></tr><tr><td>LOCATION</td><td colspan="3">TEVIOT ROAD, GREENBANK</td></tr><tr><td>SHEET TITLE</td><td colspan="3">ROADWORKS AND EARTHWORKS NOTES AND DETAILS PLAN</td></tr></table> |  |  |  | CLIENT | MIRVAC |  |  | PROJECT | EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT |  |  | LOCATION | TEVIOT ROAD, GREENBANK |  |  | SHEET TITLE | ROADWORKS AND EARTHWORKS NOTES AND DETAILS PLAN |  |  | <table><tr><td colspan="2">JOB CODE</td></tr><tr><td colspan="2">MIR001-01</td></tr><tr><td>SHEET NUMBER</td><td>REV</td></tr><tr><td>C901</td><td>B</td></tr></table> |  | JOB CODE |  | MIR001-01 |  | SHEET NUMBER | REV | C901 | B |
| DESIGNED         | S.BROGAN   |                           |   |  |   |  |          |          |         |         |                 |         |                  |   |  |  |      |  |      |          |           |  |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |  |  |          |  |           |  |              |     |      |   |
| CHECKED          | J.STONE  |                           |   |  |   |  |          |          |         |         |                 |         |                  |   |  |  |      |  |      |          |           |  |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |  |  |          |  |           |  |              |     |      |   |
| PROJECT MANAGER  | J.STONE  |                           |   |  |   |  |          |          |         |         |                 |         |                  |   |  |  |      |  |      |          |           |  |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |  |  |          |  |           |  |              |     |      |   |
| PROJECT DIRECTOR | <br>JOSHUA STONE  |                           |   |  |   |  |          |          |         |         |                 |         |                  |   |  |  |      |  |      |          |           |  |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |  |  |          |  |           |  |              |     |      |   |
| RPEQ             | <br>KEITH HOWELLS | DATE                      | 13/11/17  |  |   |  |          |          |         |         |                 |         |                  |   |  |  |      |  |      |          |           |  |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |  |  |          |  |           |  |              |     |      |   |
| RPEQ 7295        |  |                           |   |  |   |  |          |          |         |         |                 |         |                  |   |  |  |      |  |      |          |           |  |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |  |  |          |  |           |  |              |     |      |   |
| CLIENT           | MIRVAC   |                           |   |  |   |  |          |          |         |         |                 |         |                  |   |  |  |      |  |      |          |           |  |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |  |  |          |  |           |  |              |     |      |   |
| PROJECT          | EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT   |                           |   |  |   |  |          |          |         |         |                 |         |                  |   |  |  |      |  |      |          |           |  |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |  |  |          |  |           |  |              |     |      |   |
| LOCATION         | TEVIOT ROAD, GREENBANK   |                           |   |  |   |  |          |          |         |         |                 |         |                  |   |  |  |      |  |      |          |           |  |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |  |  |          |  |           |  |              |     |      |   |
| SHEET TITLE      | ROADWORKS AND EARTHWORKS NOTES AND DETAILS PLAN  |                           |   |  |   |  |          |          |         |         |                 |         |                  |   |  |  |      |  |      |          |           |  |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |  |  |          |  |           |  |              |     |      |   |
| JOB CODE         |  |                           |   |  |   |  |          |          |         |         |                 |         |                  |   |  |  |      |  |      |          |           |  |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |  |  |          |  |           |  |              |     |      |   |
| MIR001-01        |  |                           |   |  |   |  |          |          |         |         |                 |         |                  |   |  |  |      |  |      |          |           |  |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |  |  |          |  |           |  |              |     |      |   |
| SHEET NUMBER     | REV  |                           |   |  |   |  |          |          |         |         |                 |         |                  |   |  |  |      |  |      |          |           |  |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |  |  |          |  |           |  |              |     |      |   |
| C901             | B  |                           |   |  |   |  |          |          |         |         |                 |         |                  |   |  |  |      |  |      |          |           |  |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |  |  |          |  |           |  |              |     |      |   |
| 13/11/17         | B  | NOTES AND DETAILS AMENDED | KH  |  |   |  |          |          |         |         |                 |         |                  |   |  |  |      |  |      |          |           |  |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |  |  |          |  |           |  |              |     |      |   |
| 18/08/17         | A  | ORIGINAL ISSUE            | KH  |  |   |  |          |          |         |         |                 |         |                  |   |  |  |      |  |      |          |           |  |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |  |  |          |  |           |  |              |     |      |   |
| DATE             | REV  | DESCRIPTION               | RPEQ  |  |   |  |          |          |         |         |                 |         |                  |   |  |  |      |  |      |          |           |  |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |  |  |          |  |           |  |              |     |      |   |
| REVISIONS        |  |                           |   |  |   |  |          |          |         |         |                 |         |                  |   |  |  |      |  |      |          |           |  |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |  |  |          |  |           |  |              |     |      |   |





PLAN VIEW  
SCALE: 1:250 (m)

EXISTING SERVICES LEGEND

- D — D — EXISTING STORMWATER DRAINAGE
- E — E — EXISTING ELECTRICAL
- S — S — EXISTING SEWER MAIN AND MANHOLE
- T — T — EXISTING TELECOMMUNICATIONS
- W — W — EXISTING WATER MAIN
- G — G — EXISTING GAS
- dD — dD — DBYD STORMWATER DRAINAGE
- dE — dE — DBYD ELECTRICAL
- dT — dT — DBYD TELECOMMUNICATIONS
- dW — dW — DBYD WATER MAIN
- dG — dG — DBYD GAS
- — — EXISTING EDGE OF ROAD
- — — EXISTING FENCE
- EXISTING TREE

DEMOLITION LEGEND

- — — DENOTES SERVICE TO BE ALTERED
- — — DENOTES FEATURE TO BE REMOVED  
REFER NOTE 6
- PH22 DENOTES SERVICE SCHEDULE NUMBER

NOTES

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3. NO WORK IS TO BE CARRIED OUT OVER UTILITY SERVICES WITHOUT PRIOR NOTIFICATION TO THE APPROPRIATE SERVICES AUTHORITIES.
4. REFER EXISTING SERVICES SCHEDULE ON DRAWING SHEET C905 FOR DETAILS OF SERVICE RELOCATIONS.
5. ALL FENCING, VEGETATION, AND CONCRETE SLABS WITHIN EXTENT OF WORKS TO BE REMOVED PRIOR TO CONSTRUCTION.
6. EXISTING CONCRETE KERB, FOOTPATH, ISLAND AND DRIVEWAY TO BE SAW CUT AND REMOVED AS SHOWN.

27/06/18 CONSTRUCTION ISSUE

|  |  |  |                              |  |
|--|--|--|------------------------------|--|
| 26/02/18 D<br>21/12/17 C<br>13/11/17 B<br>18/08/17 A<br>DATE REV DESCRIPTION REVISIONS |  |  | KH<br>KH<br>KH<br>KH<br>RPEQ |  |
| 26/02/18 D<br>21/12/17 C<br>13/11/17 B<br>18/08/17 A<br>DATE REV DESCRIPTION REVISIONS |  |  | KH<br>KH<br>KH<br>KH<br>RPEQ |  |
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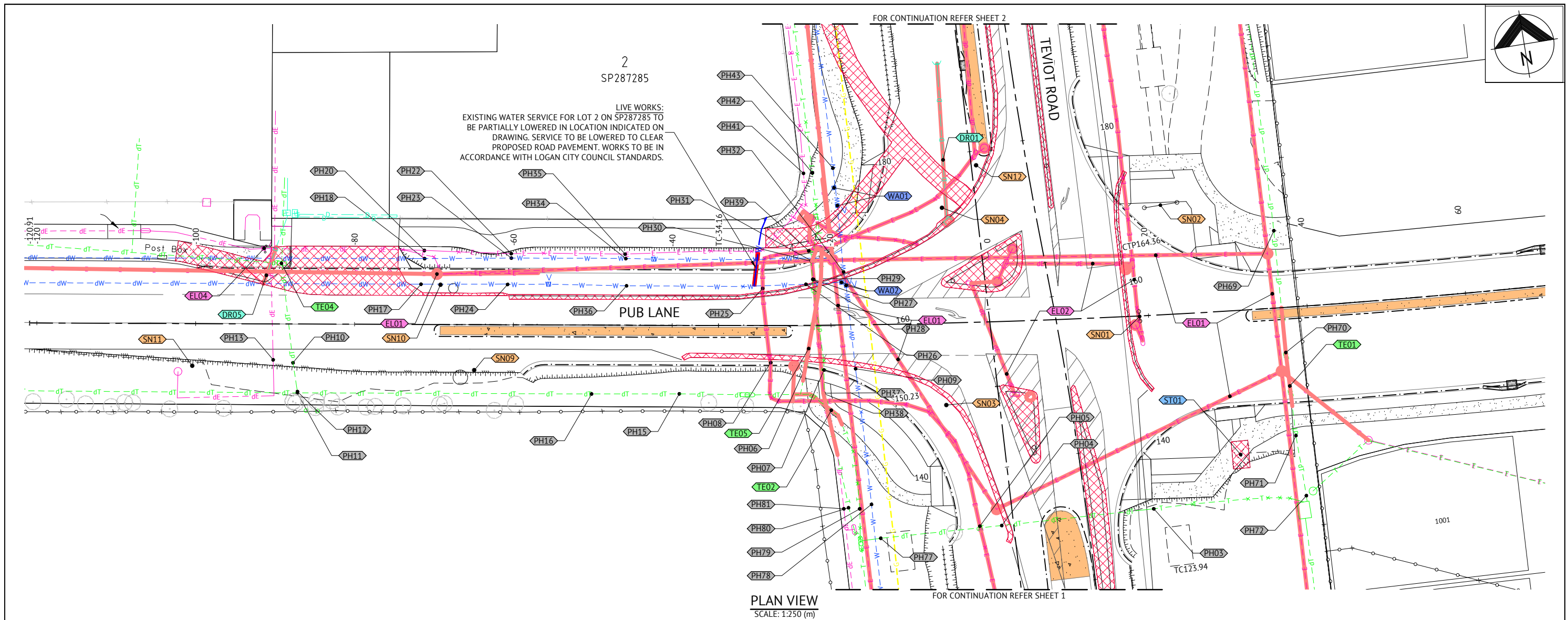
|                               |  |                  |  |
|-------------------------------|--|------------------|--|
| DESIGNED S.BROGAN             |  | DATE 26/02/18    |  |
| CHECKED J.STONE               |  | RPEQ 7295        |  |
| PROJECT MANAGER J.STONE       |  | SCALE 0 5 10 15m |  |
| PROJECT DIRECTOR JOSHUA STONE |  | SCALE 1:250 (A1) |  |

|   |  |                    |  |
|---|--|--------------------|--|
| CLIENT MIRVAC   |  | JOB CODE MIR001-01 |  |
| PROJECT EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT        |  | SHEET NUMBER C902  |  |
| LOCATION TEVIOT ROAD, GREENBANK                               |  | REV D              |  |
| SHEET TITLE PUBLIC UTILITIES AND DEMOLITION PLAN SHEET 1 OF 4 |  |                    |  |









PLAN VIEW  
SCALE: 1:250 (m)

EXISTING SERVICES LEGEND

- D—D—D— EXISTING STORMWATER DRAINAGE
- E—E—E— EXISTING ELECTRICAL
- S—S—S— EXISTING SEWER MAIN AND MANHOLE
- T—T—T— EXISTING TELECOMMUNICATIONS
- W—W—W— EXISTING WATER MAIN
- G—G—G— EXISTING GAS
- dD—dD—dD— DBYD STORMWATER DRAINAGE
- dE—dE—dE— DBYD ELECTRICAL
- dT—dT—dT— DBYD TELECOMMUNICATIONS
- dW—dW—dW— DBYD WATER MAIN
- dG—dG—dG— DBYD GAS
- — — — — EXISTING EDGE OF ROAD
- O—O—O— EXISTING FENCE
- EXISTING TREE

DEMOLITION LEGEND

- — — — — DENOTES SERVICE TO BE ALTERED
- — — — — DENOTES FEATURE TO BE REMOVED  
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27/06/18 CONSTRUCTION ISSUE

|   |  |   |  |  |               |  |   |   |
|---|--|---|--|--|---------------|--|---|---|
| 26/06/18 E WATER SERVICE TO BE LOWERED<br>26/02/18 D ADDED TELSTRA CONCRETE PROTECTION ON PUB LANE & AS CON GAS<br>21/12/17 C REVISED ROAD BATTERS TO SUIT ULTIMATE ROAD PROFILE<br>13/11/17 B SOUTH-WEST FOOTPATH AMENDED<br>18/08/17 A ORIGINAL ISSUE |  | BRISBANE OFFICE<br>LEVEL 1, 100 BRUNSWICK STREET<br>PO BOX 361<br>FORTITUDE VALLEY, QLD 4006<br>PH: (07) 3253 2222<br>WEB: www.premise.com.au |  | DESIGNED S.BROGAN<br>CHECKED J.STONE<br>PROJECT MANAGER J.STONE<br>PROJECT DIRECTOR JOSHUA STONE | DATE 26/06/18 | RPEQ RPEQ 7295<br>SCALE 0 5 10 15m<br>SCALE 1:250 (A1) | CLIENT MIRVAC<br>PROJECT EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT<br>LOCATION TEVIOT ROAD, GREENBANK<br>SHEET TITLE PUBLIC UTILITIES AND DEMOLITION PLAN SHEET 3 OF 4 | JOB CODE<br>MIR001-01<br>SHEET NUMBER C904<br>REV E |
|---|--|---|--|--|---------------|--|---|---|

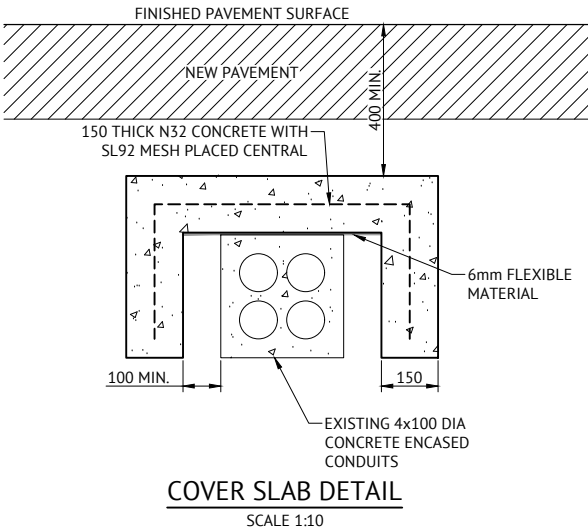


| POTHOLING SCHEDULE |          |           |       |            |                               |
|--------------------|----------|-----------|-------|------------|-------------------------------|
| NO.                | EASTING  | NORTHING  | LEVEL | SERVICE    | DESCRIPTION                   |
| PH01               | 8494.899 | 31794.658 | 68.33 | TELSTRA    | TOP OF CABLE                  |
| PH02               | 8501.964 | 31793.894 | 67.78 | TELSTRA    | TOP OF CABLE                  |
| PH03               | 8490.543 | 31699.087 | 69.91 | TELSTRA    | TOP OF 2x100 CONDUITS         |
| PH04               | 8471.309 | 31700.101 | 70.19 | TELSTRA    | TOP OF 2x100 CONDUITS         |
| PH05               | 8468.581 | 31700.464 | 70.04 | ELECTRICAL | TOP OF 1x100 CONDUIT          |
| PH06               | 8450.136 | 31723.768 | 71.90 | TELSTRA    | TOP OF 3x100 CONDUITS         |
| PH07               | 8452.388 | 31723.039 | 71.51 | TELSTRA    | TOP OF 1x100 CONDUIT          |
| PH08               | 8445.909 | 31725.037 | 71.48 | ELECTRICAL | TOP OF 1x100 CONDUIT          |
| PH09               | 8456.330 | 31722.569 | 71.21 | WATER      | TOP OF DIA 325 DICL MAIN      |
| PH10               | 8386.548 | 31734.735 | 71.03 | TELSTRA    | TOP OF 1x50 CONDUIT           |
| PH11               | 8386.465 | 31730.916 | 70.52 | TELSTRA    | TOP OF 1x100 CONDUIT          |
| PH12               | 8386.518 | 31731.064 | 70.73 | TELSTRA    | TOP OF 1x50 CONDUIT           |
| PH13               | 8384.145 | 31735.507 | 70.85 | ELECTRICAL | TOP OF 1x100 CONDUIT          |
| PH14               | 8472.833 | 31690.415 | 69.73 | ELECTRICAL | TOP OF CONCRETE ENCASEMENT    |
| PH15               | 8433.923 | 31723.021 | 72.68 | TELSTRA    | TOP OF 3x100 CONDUITS         |
| PH16               | 8423.022 | 31724.794 | 72.44 | TELSTRA    | TOP OF 3x100 CONDUITS         |
| PH17               | 8404.053 | 31741.900 | 71.35 | WATER      | TOP OF DIA 325 DICL MAIN      |
| PH18               | 8405.021 | 31744.996 | 71.76 | WATER      | TOP OF DIA 325 DICL MAIN      |
| PH20               | 8405.162 | 31746.025 | 72.13 | ELECTRICAL | TOP OF 1x125 CONDUIT          |
| PH21               | 8469.253 | 31690.055 | 69.60 | ELECTRICAL | TOP OF 1x100 CONDUIT          |
| PH22               | 8415.886 | 31743.859 | 72.54 | ELECTRICAL | TOP OF 3x100 & 2x130 CONDUITS |
| PH23               | 8415.813 | 31743.302 | 71.89 | WATER      | TOP OF DIA 325 MAIN           |
| PH24               | 8414.799 | 31740.117 | 71.62 | WATER      | TOP OF DIA 325 MAIN           |
| PH25               | 8446.434 | 31734.430 | 71.87 | ELECTRICAL | TOP OF 1x100 CONDUIT          |
| PH26               | 8451.875 | 31734.067 | 71.28 | WATER      | TOP OF DIA 325 DICL MAIN      |
| PH27               | 8452.948 | 31734.497 | 71.87 | ELECTRICAL | TOP OF 1x100 CONDUIT          |
| PH28               | 8452.867 | 31734.578 | 71.97 | TELSTRA    | TOP OF 1x100 CONDUIT          |
| PH29               | 8453.855 | 31734.446 | 71.76 | TELSTRA    | TOP OF 3x100 CONDUITS         |
| PH30               | 8453.002 | 31736.854 | 72.25 | TELSTRA    | TOP OF 1x100 CONDUIT          |
| PH31               | 8453.082 | 31736.847 | 72.17 | ELECTRICAL | TOP OF 1x100 CONDUIT          |
| PH32               | 8456.811 | 31734.826 | 71.29 | WATER      | TOP OF DIA 325 MAIN           |
| PH33               | 8465.547 | 31737.166 | 70.29 | ELECTRICAL | TOP OF 1x125 CONDUIT          |
| PH34               | 8430.026 | 31740.942 | 72.15 | WATER      | TOP OF DIA 325 MAIN           |
| PH35               | 8430.020 | 31741.489 | 72.88 | ELECTRICAL | TOP OF 3x100 & 2x130 CONDUITS |
| PH36               | 8429.565 | 31737.524 | 71.79 | WATER      | TOP OF DIA 325 DICL MAIN      |
| PH37               | 8451.909 | 31720.150 | 72.17 | TELSTRA    | TOP OF 1x100 CONDUIT          |
| PH38               | 8451.823 | 31720.146 | 71.96 | ELECTRICAL | TOP OF 1x100 CONDUIT          |
| PH39               | 8452.924 | 31738.156 | 72.12 | ELECTRICAL | TOP OF 2x35 CONDUITS          |
| PH40               | 8460.698 | 31739.546 | 71.62 | ELECTRICAL | TOP OF 1x100 & 1x35 CONDUITS  |
| PH41               | 8453.833 | 31747.897 | 72.25 | ELECTRICAL | TOP OF MAT 6x100 CONDUIT BANK |
| PH42               | 8454.953 | 31747.763 | 72.28 | TELSTRA    | TOP OF 3x100 CONDUITS         |
| PH43               | 8457.598 | 31747.948 | 71.79 | WATER      | TOP OF DIA 325 MAIN           |
| PH44               | 8454.937 | 31767.692 | 71.75 | ELECTRICAL | TOP OF 6x125 CONDUIT BANK     |











| POTHOLING SCHEDULE |          |           |        |            |   |
|--------------------|----------|-----------|--------|------------|---|
| NO.                | EASTING  | NORTHING  | LEVEL  | SERVICE    | DESCRIPTION                                 |
| PH45               | 8455.821 | 31767.626 | 71.77  | TELSTRA    | TOP OF 3x100 CONDUITS (2xAC, 1xPVC)         |
| PH46               | 8458.461 | 31767.253 | 71.45  | WATER      | TOP OF DIA 325 MAIN                         |
| PH47               | 8455.968 | 31789.020 | 71.02  | ELECTRICAL | TOP OF 6x125 CONDUITS                       |
| PH48               | 8459.294 | 31788.882 | 70.84  | WATER      | TOP OF DIA 325 MAIN                         |
| PH49               | 8457.367 | 31789.065 | 70.88  | TELSTRA    | TOP OF 1x100 CONDUIT                        |
| PH50               | 8474.049 | 31795.866 | 68.84  | TELSTRA    | TOP OF CONCRETE ENCASEMENT                  |
| PH51               | 8477.635 | 31795.697 | 68.49  | TELSTRA    | TOP OF CONCRETE ENCASEMENT                  |
| PH57               | 8472.909 | 31645.537 | 68.169 | ELECTRICAL | TOP OF 1x100 CONDUIT                        |
| PH58               | 8471.206 | 31663.741 | 68.71  | ELECTRICAL | TOP OF 1x100 CONDUIT                        |
| PH59               | 8472.648 | 31670.264 | 69.25  | ELECTRICAL | TOP OF 1x30 CONDUIT                         |
| PH60               | 8471.624 | 31669.034 | 69.07  | ELECTRICAL | TOP OF 1x30 CONDUIT                         |
| PH62               | 8506.213 | 32127.009 | 68.522 | TELSTRA    | TOP OF 1x100 CONDUIT                        |
| PH63               | 8512.393 | 32126.097 | 68.703 | TELSTRA    | TOP OF 1x100 CONDUIT                        |
| PH64               | 8533.934 | 32256.573 | 66.795 | TELSTRA    | TOP OF 1x100 CONDUIT                        |
| PH65               | 8533.079 | 32232.208 | 67.141 | TELSTRA    | TOP OF 4x100 CONDUIT                        |
| PH66               | 8528.696 | 32135.083 | 69.43  | TELSTRA    | TOP OF CONCRETE ENCASEMENT (4x100 CONDUITS) |
| PH67               | 8523.053 | 32124.319 | 69.029 | TELSTRA    | TOP OF 1x100 CONDUIT                        |
| PH68               | 8525.717 | 32073.317 | 70.962 | TELSTRA    | TOP OF CONCRETE ENCASEMENT (4x100 CONDUITS) |
| PH69               | 8511.112 | 31731.209 | 69.04  | TELSTRA    | TOP OF CONCRETE ENCASEMENT (4X100 CONDUITS) |
| PH70               | 8510.110 | 31715.804 | 69.53  | TELSTRA    | TOP OF CONCRETE ENCASEMENT (4X100 CONDUITS) |
| PH71               | 8509.693 | 31705.296 | 69.79  | TELSTRA    | TOP OF CONCRETE ENCASEMENT (4X100 CONDUITS) |
| PH72               | 8509.774 | 31697.619 | 69.89  | TELSTRA    | TOP OF 1x35 CONDUIT                         |
| PH73               | 8507.808 | 31655.745 | 68.36  | TELSTRA    | TOP OF 2x100 CONDUIT                        |
| PH74               | 8453.703 | 31663.896 | 68.81  | WATER      | TOP OF DIA 325 DICL MAIN                    |
| PH75               | 8451.796 | 31663.380 | 69.23  | TELSTRA    | TOP OF 1x100 CONDUIT                        |
| PH76               | 8450.349 | 31663.940 | 69.20  | ELECTRICAL | TOP OF CONCRETE ENCASEMENT (3X225 CONDUITS) |
| PH77               | 8456.019 | 31700.978 | 71.03  | TELSTRA    | TOP OF 2x100 CONDUITS                       |
| PH78               | 8455.551 | 31705.377 | 70.88  | WATER      | TOP OF DIA 325 DICL MAIN                    |
| PH79               | 8453.999 | 31705.065 | 71.63  | TELSTRA    | TOP OF 1x50 CONDUIT                         |
| PH80               | 8452.624 | 31705.427 | 71.77  | TELSTRA    | TOP OF 1x100 CONDUIT                        |
| PH81               | 8452.027 | 31705.386 | 71.12  | ELECTRICAL | TOP OF 3x225 CONDUITS                       |
| PH82               | 8451.323 | 31608.997 | 66.783 | WATER      | TOP OF DIA 325 DICL MAIN                    |
| PH83               | 8449.106 | 31609.259 | 66.983 | TELSTRA    | TOP OF 1x100 CONDUIT                        |
| PH84               | 8447.834 | 31609.236 | 66.84  | ELECTRICAL | TOP OF CONCRETE ENCASEMENT (3X225 CONDUITS) |
| PH85               | 8462.990 | 31796.664 | 70.01  | TELSTRA    | TOP OF CONCRETE ENCASEMENT                  |
| PH86               | 8459.691 | 31799.709 | 70.52  | WATER      | TOP OF DIA 325 DICL MAIN                    |
| PH87               | 8457.504 | 31797.579 | 70.18  | TELSTRA    | TOP OF CONCRETE ENCASEMENT                  |
| PH88               | 8456.486 | 31797.575 | 70.88  | ELECTRICAL | TOP OF (1x32 CONDUIT)                       |

| EXISTING SERVICE SCHEDULE |            |   |
|---------------------------|------------|---|
| NO.                       | SERVICE    | DESCRIPTION   |
| DR01                      | STORMWATER | EXISTING KERB INLET PIT, CHAMBER, 300 DIA. PIPE AND HEADWALL TO BE REMOVED.   |
| DR02                      | STORMWATER | EXISTING KERB INLET PIT, CHAMBER AND 300 DIA. PIPE TO BE REMOVED.   |
| DR03                      | STORMWATER | EXISTING KERB INLET PIT, CHAMBER AND DOWNSTREAM HEADWALL TO BE REMOVED.   |
| DR04                      | STORMWATER | EXISTING KERB INLET PIT, CHAMBER AND DOWNSTREAM HEADWALL TO BE REMOVED.   |
| DR05                      | STORMWATER | CUT BACK EXISTING KERB OUTLET PIPE AND PROVIDE KERB ADAPTOR TO SUIT NEW KERB.   |
| EL01                      | ELECTRICAL | EXISTING POWER POLE AND OVERHEAD LINES TO BE REMOVED AND RELOCATED BY OTHERS.   |
| EL02                      | ELECTRICAL | EXISTING UNDERGROUND ELECTRICAL, PITS, SIGNAL POLES AND CONTROLLER BOX TO BE REMOVED BY OTHERS.   |
| EL03                      | ELECTRICAL | EXISTING UNDERGROUND ELECTRICAL, PITS AND LIGHT POLES TO BE REMOVED BY OTHERS.  |
| EL04                      | ELECTRICAL | ENSURE EXISTING ELECTRICAL BOX IS PROTECTED DURING CONSTRUCTION OF NEW CONCRETE FOOTPATH  |
| TE01                      | TELSTRA    | CONSTRUCT CONCRETE COVER SLAB OVER EXISTING OPTIC FIBRE. FOR COVER SLAB REFER DETAILS THIS SHEET. EXTENT OF SLAB TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION.   |
| TE02                      | TELSTRA    | EXISTING TELECOMMUNICATIONS CONDUITS UNDER NEW CONCRETE FOOTPATH TO BE PROTECTED DURING CONSTRUCTION. PROVIDE MINIMUM 300 COVER, TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION.                                   |
| TE03                      | TELSTRA    | EXISTING TELECOMMUNICATIONS PIT TO BE RAISED TO SUIT NEW BUND EARTHWORKS.   |
| TE04                      | TELSTRA    | EXISTING TELECOMMUNICATIONS PIT TO BE RAISED TO FINISH FLUSH WITH NEW CONCRETE FOOTPATH.  |
| TE05                      | TELSTRA    | CONSTRUCT CONCRETE COVER SLAB OVER EXISTING OPTIC FIBRE. FOR COVER SLAB REFER DETAILS THIS SHEET. EXTENT OF SLAB TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION.   |
| WA01                      | WATER      | TWO EXISTING WATER MAIN VALVE PITS TO BE LOWERED TO FINISH FLUSH WITH NEW CONCRETE FOOTPATH. NEW PITS TO CONSTRUCTED IN ACCORDANCE WITH LOGAN CITY COUNCIL STANDARD DRAWINGS.                                     |
| WA02                      | WATER      | TWO EXISTING WATER MAIN VALVE PITS TO BE RAISED TO FINISH FLUSH WITH FINISHED PAVEMENT SURFACE. PROVIDE TRAFFICABLE PIT AND LID. NEW PITS TO CONSTRUCTED IN ACCORDANCE WITH LOGAN CITY COUNCIL STANDARD DRAWINGS. |

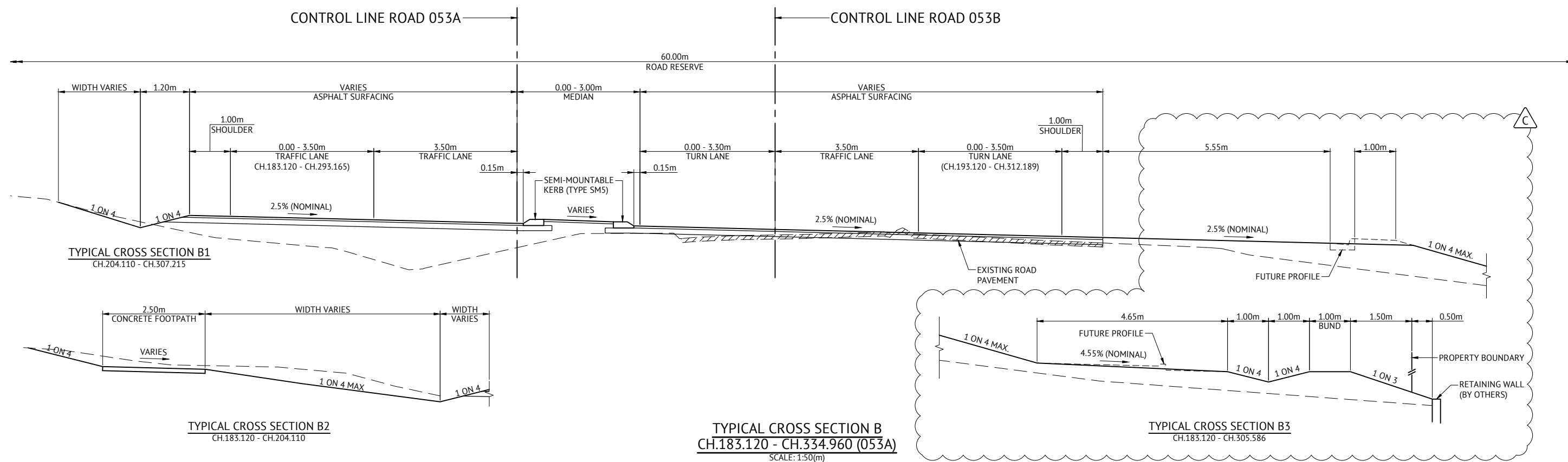
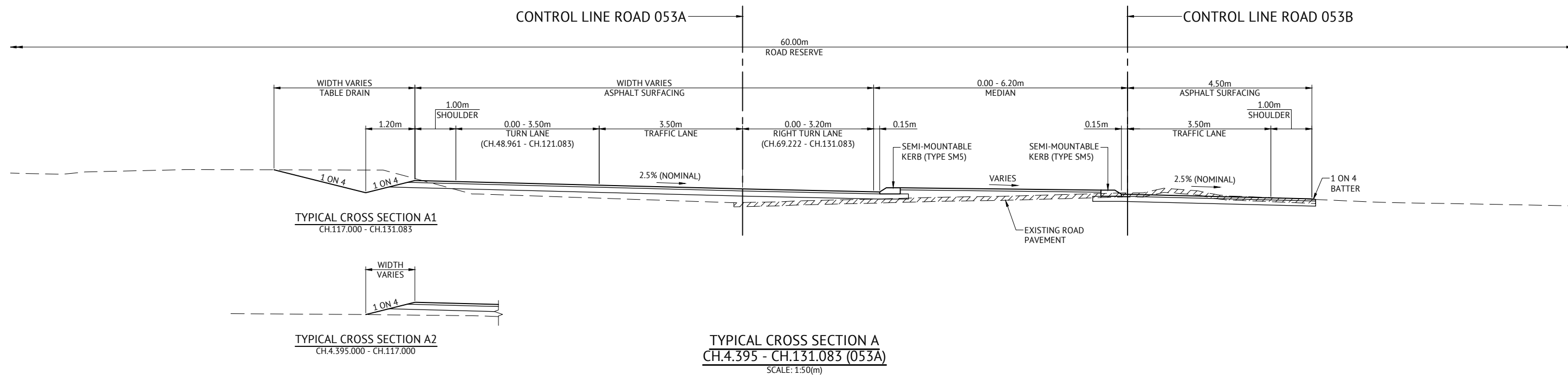
| DEMOLITION / REINSTATEMENT SCHEDULE |           |  |
|-------------------------------------|-----------|--|
| NO.                                 | FEATURE   | DESCRIPTION  |
| SN01                                | SIGN      | EXISTING BI-DIRECTIONAL HAZARD MARKER SIGN TO BE REMOVED.                |
| SN02                                | SIGN      | EXISTING ADVERTISING SIGN TO BE REMOVED.                                 |
| SN03                                | SIGN      | EXISTING GIVE WAY SIGN TO BE REMOVED.                                    |
| SN04                                | SIGN      | EXISTING GIVE WAY SIGN TO BE REMOVED.                                    |
| SN05                                | SIGN      | EXISTING 80KM/H SPEED LIMIT SIGN TO REMAIN.                              |
| SN06                                | SIGN      | EXISTING STREET NAME SIGN TO BE REMOVED AND STORED.                      |
| SN07                                | SIGN      | EXISTING 70KM/H SPEED LIMIT SIGN TO BE REMOVED.                          |
| SN08                                | SIGN      | EXISTING 70KM/H SPEED LIMIT SIGN TO BE REMOVED.                          |
| SN09                                | SIGN      | EXISTING 60KM/H SPEED LIMIT SIGN TO BE REMOVED.                          |
| SN10                                | SIGN      | EXISTING T-INTERSECTION WARNING SIGN TO BE REMOVED.                      |
| SN11                                | SIGN      | EXISTING SCHOOL BUS ROUTE WARNING SIGN TO REMAIN.                        |
| SN11                                | SIGN      | EXISTING STREET NAME SIGN TO BE REMOVED.                                 |
| ST01                                | STRUCTURE | EXISTING BUS SHELTER TO BE RELOCATED AS NOMINATED BY THE SUPERINTENDENT. |













27/06/18 CONSTRUCTION ISSUE

|                                  |  |  |   |      |  |  |  |  |          |          |         |         |                 |         |                  |   |      |          |  |  |      |  |      |          |  |  |      |      |       |  |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |  |  |          |  |           |  |              |     |      |   |
|----------------------------------|--|--|---|------|--|--|--|--|----------|----------|---------|---------|-----------------|---------|------------------|---|------|----------|--|--|------|--|------|----------|--|--|------|------|-------|--|--|--|--|--|--|--|--------|--------|--|--|---------|--|--|--|----------|------------------------|--|--|-------------|---|--|--|--|--|----------|--|-----------|--|--------------|-----|------|---|
|                                  |  |  |  |      | <b>BRISBANE OFFICE</b><br>LEVEL 1, 100 BRUNSWICK STREET<br>PO BOX 361<br>FORTITUDE VALLEY, QLD 4006<br>PH: (07) 3253 2222<br>WEB: www.premise.com.au |  | <table><tr><td>DESIGNED</td><td>S.BROGAN</td></tr><tr><td>CHECKED</td><td>J.STONE</td></tr><tr><td>PROJECT MANAGER</td><td>J.STONE</td></tr><tr><td>PROJECT DIRECTOR</td><td><br/>JOSHUA STONE</td></tr><tr><td>DATE</td><td>26/02/18</td></tr></table> |  | DESIGNED | S.BROGAN | CHECKED | J.STONE | PROJECT MANAGER | J.STONE | PROJECT DIRECTOR | <br>JOSHUA STONE | DATE | 26/02/18 | <table><tr><td>RPEQ</td><td><br/>KEITH HOWELLS</td><td>DATE</td><td>26/02/18</td></tr><tr><td colspan="2"></td><td>RPEQ</td><td>7295</td></tr><tr><td colspan="2">SCALE</td><td colspan="2"><br/>SCALE 1:10 (A1)</td></tr></table> |  | RPEQ | <br>KEITH HOWELLS | DATE | 26/02/18 |  |  | RPEQ | 7295 | SCALE |  | <br>SCALE 1:10 (A1) |  | <table><tr><td>CLIENT</td><td colspan="3">MIRVAC</td></tr><tr><td>PROJECT</td><td colspan="3">EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT</td></tr><tr><td>LOCATION</td><td colspan="3">TEVIOT ROAD, GREENBANK</td></tr><tr><td>SHEET TITLE</td><td colspan="3">PUBLIC UTILITIES AND DEMOLITION PLAN SHEET 4 OF 4</td></tr></table> |  |  |  | CLIENT | MIRVAC |  |  | PROJECT | EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT |  |  | LOCATION | TEVIOT ROAD, GREENBANK |  |  | SHEET TITLE | PUBLIC UTILITIES AND DEMOLITION PLAN SHEET 4 OF 4 |  |  | <table><tr><td colspan="2">JOB CODE</td></tr><tr><td colspan="2">MIR001-01</td></tr><tr><td>SHEET NUMBER</td><td>REV</td></tr><tr><td>C905</td><td>C</td></tr></table> |  | JOB CODE |  | MIR001-01 |  | SHEET NUMBER | REV | C905 | C |
| DESIGNED                         | S.BROGAN   |  |   |      |  |  |  |  |          |          |         |         |                 |         |                  |   |      |          |  |  |      |  |      |          |  |  |      |      |       |  |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |  |  |          |  |           |  |              |     |      |   |
| CHECKED                          | J.STONE  |  |   |      |  |  |  |  |          |          |         |         |                 |         |                  |   |      |          |  |  |      |  |      |          |  |  |      |      |       |  |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |  |  |          |  |           |  |              |     |      |   |
| PROJECT MANAGER                  | J.STONE  |  |   |      |  |  |  |  |          |          |         |         |                 |         |                  |   |      |          |  |  |      |  |      |          |  |  |      |      |       |  |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |  |  |          |  |           |  |              |     |      |   |
| PROJECT DIRECTOR                 | <br>JOSHUA STONE  |  |   |      |  |  |  |  |          |          |         |         |                 |         |                  |   |      |          |  |  |      |  |      |          |  |  |      |      |       |  |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |  |  |          |  |           |  |              |     |      |   |
| DATE                             | 26/02/18   |  |   |      |  |  |  |  |          |          |         |         |                 |         |                  |   |      |          |  |  |      |  |      |          |  |  |      |      |       |  |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |  |  |          |  |           |  |              |     |      |   |
| RPEQ                             | <br>KEITH HOWELLS | DATE   | 26/02/18  |      |  |  |  |  |          |          |         |         |                 |         |                  |   |      |          |  |  |      |  |      |          |  |  |      |      |       |  |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |  |  |          |  |           |  |              |     |      |   |
|                                  |  | RPEQ   | 7295  |      |  |  |  |  |          |          |         |         |                 |         |                  |   |      |          |  |  |      |  |      |          |  |  |      |      |       |  |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |  |  |          |  |           |  |              |     |      |   |
| SCALE                            |  | <br>SCALE 1:10 (A1) |   |      |  |  |  |  |          |          |         |         |                 |         |                  |   |      |          |  |  |      |  |      |          |  |  |      |      |       |  |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |  |  |          |  |           |  |              |     |      |   |
| CLIENT                           | MIRVAC   |  |   |      |  |  |  |  |          |          |         |         |                 |         |                  |   |      |          |  |  |      |  |      |          |  |  |      |      |       |  |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |  |  |          |  |           |  |              |     |      |   |
| PROJECT                          | EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT   |  |   |      |  |  |  |  |          |          |         |         |                 |         |                  |   |      |          |  |  |      |  |      |          |  |  |      |      |       |  |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |  |  |          |  |           |  |              |     |      |   |
| LOCATION                         | TEVIOT ROAD, GREENBANK   |  |   |      |  |  |  |  |          |          |         |         |                 |         |                  |   |      |          |  |  |      |  |      |          |  |  |      |      |       |  |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |  |  |          |  |           |  |              |     |      |   |
| SHEET TITLE                      | PUBLIC UTILITIES AND DEMOLITION PLAN SHEET 4 OF 4  |  |   |      |  |  |  |  |          |          |         |         |                 |         |                  |   |      |          |  |  |      |  |      |          |  |  |      |      |       |  |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |  |  |          |  |           |  |              |     |      |   |
| JOB CODE                         |  |  |   |      |  |  |  |  |          |          |         |         |                 |         |                  |   |      |          |  |  |      |  |      |          |  |  |      |      |       |  |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |  |  |          |  |           |  |              |     |      |   |
| MIR001-01                        |  |  |   |      |  |  |  |  |          |          |         |         |                 |         |                  |   |      |          |  |  |      |  |      |          |  |  |      |      |       |  |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |  |  |          |  |           |  |              |     |      |   |
| SHEET NUMBER                     | REV  |  |   |      |  |  |  |  |          |          |         |         |                 |         |                  |   |      |          |  |  |      |  |      |          |  |  |      |      |       |  |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |  |  |          |  |           |  |              |     |      |   |
| C905                             | C  |  |   |      |  |  |  |  |          |          |         |         |                 |         |                  |   |      |          |  |  |      |  |      |          |  |  |      |      |       |  |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |  |  |          |  |           |  |              |     |      |   |
| 26/02/18<br>13/11/17<br>18/08/17 | C<br>B<br>A  | ADDED TELSTRA CONCRETE PROTECTION ON PUB LANE<br>EXISTING SERVICES SCHEDULE AMENDED<br>ORIGINAL ISSUE    | KH<br>KH<br>KH  | RPEQ |  |  |  |  |          |          |         |         |                 |         |                  |   |      |          |  |  |      |  |      |          |  |  |      |      |       |  |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |  |  |          |  |           |  |              |     |      |   |
| DATE                             | REV  | DESCRIPTION  | REVISIONS   |      |  |  |  |  |          |          |         |         |                 |         |                  |   |      |          |  |  |      |  |      |          |  |  |      |      |       |  |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |  |  |          |  |           |  |              |     |      |   |

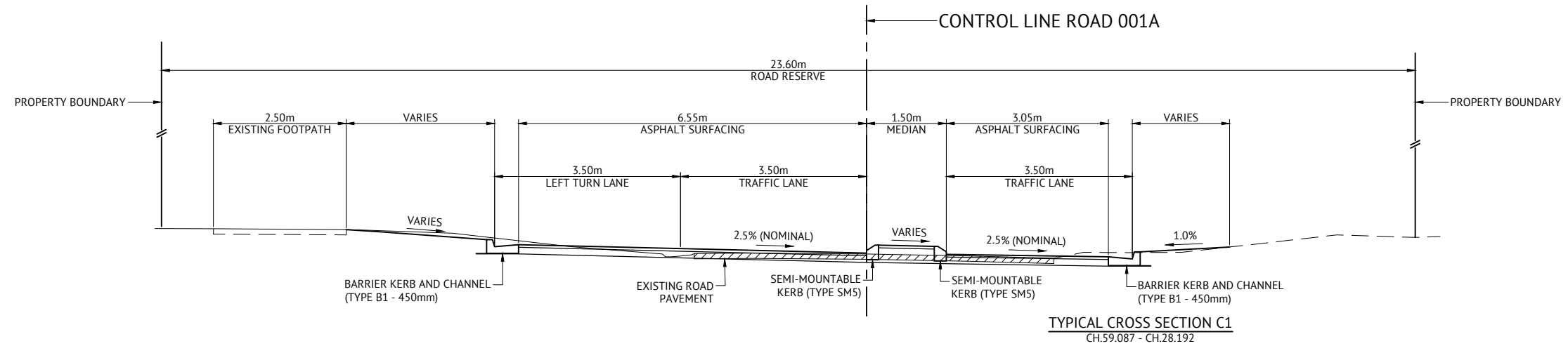




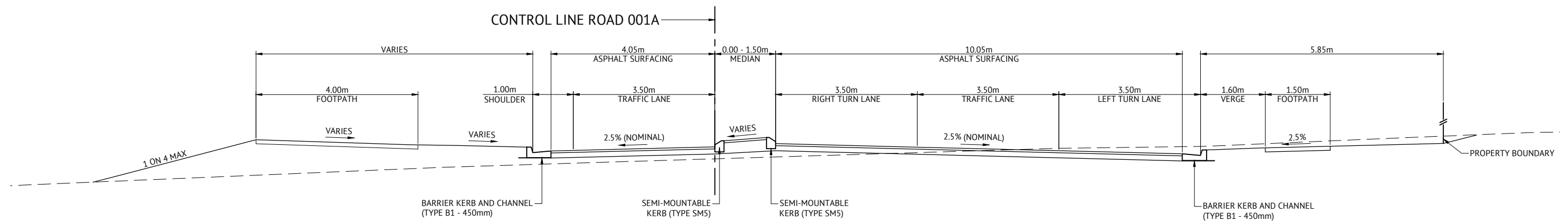
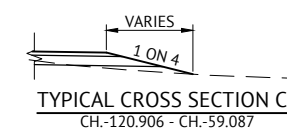
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|   |  |  |   |    |  |   |   |    |          |          |                |         |                 |         |                  |   |      |          |  |  |      |   |      |          |       |  |  |  |   |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |  |  |  |   |  |          |           |              |      |     |   |
|---|--|--|---|----|--|---|---|----|----------|----------|----------------|---------|-----------------|---------|------------------|---|------|----------|--|--|------|---|------|----------|-------|--|--|--|---|--|--|--|--------|--------|--|--|---------|--|--|--|----------|------------------------|--|--|-------------|--|--|--|---|--|----------|-----------|--------------|------|-----|---|
|   |  |  |  |    | <b>BRISBANE OFFICE</b><br>LEVEL 1, 100 BRUNSWICK STREET<br>PO BOX 361<br>FORTITUDE VALLEY, QLD 4006<br>PH: (07) 3253 2222<br>WEB: www.premise.com.au |   | <table><tr><td>DESIGNED</td><td>S.BROGAN</td></tr><tr><td>CHECKED</td><td>J.STONE</td></tr><tr><td>PROJECT MANAGER</td><td>J.STONE</td></tr><tr><td>PROJECT DIRECTOR</td><td></td></tr><tr><td>DATE</td><td>21/12/17</td></tr></table> |    | DESIGNED | S.BROGAN | CHECKED        | J.STONE | PROJECT MANAGER | J.STONE | PROJECT DIRECTOR |  | DATE | 21/12/17 | <table><tr><td>RPEQ</td><td></td><td>DATE</td><td>21/12/17</td></tr><tr><td>SCALE</td><td colspan="3"><br/>SCALE 1:50 (A1)</td></tr></table> |  | RPEQ |  | DATE | 21/12/17 | SCALE | <br>SCALE 1:50 (A1) |  |  | <table><tr><td>CLIENT</td><td colspan="3">MIRVAC</td></tr><tr><td>PROJECT</td><td colspan="3">EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT</td></tr><tr><td>LOCATION</td><td colspan="3">TEVIOT ROAD, GREENBANK</td></tr><tr><td>SHEET TITLE</td><td colspan="3">TYPICAL CROSS SECTIONS AND PLAN DETAILS SHEET 1 OF 2</td></tr></table> |  |  |  | CLIENT | MIRVAC |  |  | PROJECT | EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT |  |  | LOCATION | TEVIOT ROAD, GREENBANK |  |  | SHEET TITLE | TYPICAL CROSS SECTIONS AND PLAN DETAILS SHEET 1 OF 2 |  |  | <table><tr><td>JOB CODE</td><td>MIR001-01</td></tr><tr><td>SHEET NUMBER</td><td>C906</td></tr><tr><td>REV</td><td>C</td></tr></table> |  | JOB CODE | MIR001-01 | SHEET NUMBER | C906 | REV | C |
| DESIGNED  | S.BROGAN   |  |   |    |  |   |   |    |          |          |                |         |                 |         |                  |   |      |          |  |  |      |   |      |          |       |  |  |  |   |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |  |  |  |   |  |          |           |              |      |     |   |
| CHECKED   | J.STONE  |  |   |    |  |   |   |    |          |          |                |         |                 |         |                  |   |      |          |  |  |      |   |      |          |       |  |  |  |   |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |  |  |  |   |  |          |           |              |      |     |   |
| PROJECT MANAGER   | J.STONE  |  |   |    |  |   |   |    |          |          |                |         |                 |         |                  |   |      |          |  |  |      |   |      |          |       |  |  |  |   |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |  |  |  |   |  |          |           |              |      |     |   |
| PROJECT DIRECTOR  |                     |  |   |    |  |   |   |    |          |          |                |         |                 |         |                  |   |      |          |  |  |      |   |      |          |       |  |  |  |   |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |  |  |  |   |  |          |           |              |      |     |   |
| DATE  | 21/12/17   |  |   |    |  |   |   |    |          |          |                |         |                 |         |                  |   |      |          |  |  |      |   |      |          |       |  |  |  |   |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |  |  |  |   |  |          |           |              |      |     |   |
| RPEQ  |                     | DATE                                       | 21/12/17  |    |  |   |   |    |          |          |                |         |                 |         |                  |   |      |          |  |  |      |   |      |          |       |  |  |  |   |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |  |  |  |   |  |          |           |              |      |     |   |
| SCALE   | <br>SCALE 1:50 (A1) |  |   |    |  |   |   |    |          |          |                |         |                 |         |                  |   |      |          |  |  |      |   |      |          |       |  |  |  |   |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |  |  |  |   |  |          |           |              |      |     |   |
| CLIENT  | MIRVAC   |  |   |    |  |   |   |    |          |          |                |         |                 |         |                  |   |      |          |  |  |      |   |      |          |       |  |  |  |   |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |  |  |  |   |  |          |           |              |      |     |   |
| PROJECT   | EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT   |  |   |    |  |   |   |    |          |          |                |         |                 |         |                  |   |      |          |  |  |      |   |      |          |       |  |  |  |   |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |  |  |  |   |  |          |           |              |      |     |   |
| LOCATION  | TEVIOT ROAD, GREENBANK   |  |   |    |  |   |   |    |          |          |                |         |                 |         |                  |   |      |          |  |  |      |   |      |          |       |  |  |  |   |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |  |  |  |   |  |          |           |              |      |     |   |
| SHEET TITLE   | TYPICAL CROSS SECTIONS AND PLAN DETAILS SHEET 1 OF 2   |  |   |    |  |   |   |    |          |          |                |         |                 |         |                  |   |      |          |  |  |      |   |      |          |       |  |  |  |   |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |  |  |  |   |  |          |           |              |      |     |   |
| JOB CODE  | MIR001-01  |  |   |    |  |   |   |    |          |          |                |         |                 |         |                  |   |      |          |  |  |      |   |      |          |       |  |  |  |   |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |  |  |  |   |  |          |           |              |      |     |   |
| SHEET NUMBER  | C906   |  |   |    |  |   |   |    |          |          |                |         |                 |         |                  |   |      |          |  |  |      |   |      |          |       |  |  |  |   |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |  |  |  |   |  |          |           |              |      |     |   |
| REV   | C  |  |   |    |  |   |   |    |          |          |                |         |                 |         |                  |   |      |          |  |  |      |   |      |          |       |  |  |  |   |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |  |  |  |   |  |          |           |              |      |     |   |
| <table><tr><td>21/12/17</td><td>C</td><td>REVISED VERGE PROFILE ON TYPICAL SECTION B</td><td>KH</td></tr><tr><td>13/11/17</td><td>B</td><td>CHAINAGES AMENDED</td><td>KH</td></tr><tr><td>18/08/17</td><td>A</td><td>ORIGINAL ISSUE</td><td>KH</td></tr><tr><td>DATE</td><td>REV</td><td>DESCRIPTION</td><td>RPEQ</td></tr></table> | 21/12/17   | C  | REVISED VERGE PROFILE ON TYPICAL SECTION B  | KH | 13/11/17   | B | CHAINAGES AMENDED   | KH | 18/08/17 | A        | ORIGINAL ISSUE | KH      | DATE            | REV     | DESCRIPTION      | RPEQ  |      |          |  |  |      |   |      |          |       |  |  |  |   |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |  |  |  |   |  |          |           |              |      |     |   |
| 21/12/17  | C  | REVISED VERGE PROFILE ON TYPICAL SECTION B | KH  |    |  |   |   |    |          |          |                |         |                 |         |                  |   |      |          |  |  |      |   |      |          |       |  |  |  |   |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |  |  |  |   |  |          |           |              |      |     |   |
| 13/11/17  | B  | CHAINAGES AMENDED                          | KH  |    |  |   |   |    |          |          |                |         |                 |         |                  |   |      |          |  |  |      |   |      |          |       |  |  |  |   |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |  |  |  |   |  |          |           |              |      |     |   |
| 18/08/17  | A  | ORIGINAL ISSUE                             | KH  |    |  |   |   |    |          |          |                |         |                 |         |                  |   |      |          |  |  |      |   |      |          |       |  |  |  |   |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |  |  |  |   |  |          |           |              |      |     |   |
| DATE  | REV  | DESCRIPTION                                | RPEQ  |    |  |   |   |    |          |          |                |         |                 |         |                  |   |      |          |  |  |      |   |      |          |       |  |  |  |   |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |  |  |  |   |  |          |           |              |      |     |   |









TYPICAL CROSS SECTION C  
CH.-120.906 - CH.-28.192 (001A)  
SCALE: 1:50(m)

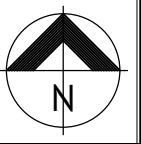


TYPICAL CROSS SECTION D  
CH.36.938 (001A)  
SCALE: 1:50(m)

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|                      |        |                                 |   |           |   |                            |                      |   |   |   |                                    |                       |                      |
|----------------------|--------|---------------------------------|---|-----------|---|----------------------------|----------------------|---|---|---|------------------------------------|-----------------------|----------------------|
|                      |        |                                 |  |           | BRISBANE OFFICE<br>LEVEL 1, 100 BRUNSWICK STREET<br>PO BOX 361<br>FORTITUDE VALLEY, QLD 4006<br>PH: (07) 3253 2222<br>WEB: www.premise.com.au |                            | DESIGNED<br>S.BROGAN | <br>KEITH HOWELLS<br>RPEQ 7295       | DATE<br>13/11/17  | CLIENT<br>MIRVAC  |                                    | JOB CODE<br>MIR001-01 |                      |
| 13/11/17<br>18/08/17 | B<br>A | NOTES AMENDED<br>ORIGINAL ISSUE | KH<br>KH<br>RPEQ  |           |   | PROJECT MANAGER<br>J.STONE | CHECKED<br>J.STONE   |   | SCALE<br><br>SCALE 1:50 (A1) | PROJECT<br>EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT           | LOCATION<br>TEVIOT ROAD, GREENBANK |                       | SHEET NUMBER<br>C907 |
| DATE                 | REV    | DESCRIPTION                     |   | REVISIONS |   |                            |                      | PROJECT DIRECTOR<br><br>JOSHUA STONE | DATE<br>13/11/17  | SHEET TITLE<br>TYPICAL CROSS SECTIONS AND PLAN DETAILS SHEET 2 OF 2 |                                    |                       |                      |





CONTROL LINE ROAD 001A SETOUT TABLE

| PT    | CHAINAGE | EASTING  | NORTHING  | HEIGHT | BEARING      | DEP.SEG | DEP.RAD   | DEP.LEN |
|-------|----------|----------|-----------|--------|--------------|---------|-----------|---------|
| START | -120.906 | 8354.629 | 31745.032 | 70.836 | 99°30'10.00" | LINE    |           | 86.743  |
| TC    | -34.163  | 8440.181 | 31730.711 | 72.792 | 99°30'10.00" | ARC     | -1003.500 | 129.453 |
|       | 0.000    | 8473.965 | 31725.645 | 71.440 | 97°33'07.90" |         | -1003.500 |         |
| CT    | 95.290   | 8568.881 | 31717.622 | 66.853 | 92°06'41.58" | LINE    |           | 44.689  |
| END   | 139.979  | 8613.540 | 31715.975 | 64.327 | 92°06'41.58" |         |           |         |

CONTROL LINE ROAD 053A SETOUT TABLE

| PT    | CHAINAGE | EASTING  | NORTHING  | HEIGHT | BEARING       | DEP.SEG | DEP.RAD  | DEP.LEN |
|-------|----------|----------|-----------|--------|---------------|---------|----------|---------|
| START | 0.000    | 8478.774 | 31567.598 | 66.320 | 352°26'00.53" | ARC     | -400.000 | 48.961  |
| CC    | 48.961   | 8475.310 | 31616.405 | 68.001 | 352°26'00.53" | ARC     | 400.000  | 70.891  |
| CT    | 119.852  | 8472.235 | 31687.137 | 70.588 | 2°35'16.42"   | LINE    |          | 30.381  |
| DIS   | 150.233  | 8473.606 | 31717.487 | 71.355 | 2°31'07.69"   | LINE    |          | 51.645  |
| TC    | 201.878  | 8475.876 | 31769.082 | 71.046 | 2°31'07.69"   | ARC     | 658.000  | 91.287  |
| CC    | 293.165  | 8486.191 | 31859.711 | 70.842 | 10°28'03.60"  | ARC     | -300.000 | 41.791  |
| END   | 334.956  | 8490.901 | 31901.201 | 71.493 | 2°29'10.46"   |         |          |         |

CONTROL LINE ROAD 053B SETOUT TABLE

| PT    | CHAINAGE | EASTING  | NORTHING  | HEIGHT | BEARING       | DEP.SEG | DEP.RAD  | DEP.LEN |
|-------|----------|----------|-----------|--------|---------------|---------|----------|---------|
| START | 0.000    | 8478.774 | 31567.598 | 66.320 | 359°26'47.67" | LINE    |          | 29.717  |
| TC    | 29.717   | 8478.487 | 31597.314 | 67.294 | 359°26'47.67" | ARC     | 600.000  | 52.896  |
| CT    | 62.613   | 8479.071 | 31630.200 | 68.474 | 2°35'16.42"   | LINE    |          | 61.327  |
| TC    | 123.939  | 8481.840 | 31691.464 | 70.597 | 2°35'16.42"   | ARC     | -500.000 | 40.422  |
| CC    | 164.361  | 8482.032 | 31731.875 | 71.198 | 357°57'21.11" | ARC     | 500.000  | 39.819  |
| CT    | 204.181  | 8482.197 | 31771.683 | 70.927 | 2°31'07.69"   | LINE    |          | 42.781  |
| TC    | 246.961  | 8484.077 | 31814.422 | 70.676 | 2°31'07.69"   | ARC     | 300.000  | 27.665  |
| CC    | 274.626  | 8486.564 | 31841.965 | 70.756 | 7°48'08.66"   | ARC     | -400.000 | 36.355  |
| CT    | 310.981  | 8489.857 | 31878.158 | 71.151 | 2°35'41.71"   | LINE    |          | 23.066  |
| END   | 334.048  | 8490.901 | 31901.201 | 71.493 | 2°35'41.71"   |         |          |         |


27/06/18 CONSTRUCTION ISSUE

13/11/17  
18/08/17  
DATE

B  
A  
REV

CONTROL LINE ROAD 001A CHAINAGE LABELS AMENDED  
ORIGINAL ISSUE

KH  
KH  
RPEQ



BRISBANE OFFICE  
LEVEL 1, 100 BRUNSWICK STREET  
PO BOX 361  
FORTITUDE VALLEY, QLD 4006  
PH: (07) 3253 2222  
WEB: www.premise.com.au

DESIGNED  
CHECKED  
PROJECT MANAGER  
PROJECT DIRECTOR

S.BROGAN  
J.STONE  
J.STONE  
JOSHUA STONE

DATE  
13/11/17

RPEQ  
KEITH HOWELLS  
SCALE  
0 10 20 30m  
SCALE 1:500 (A1)

DATE  
13/11/17

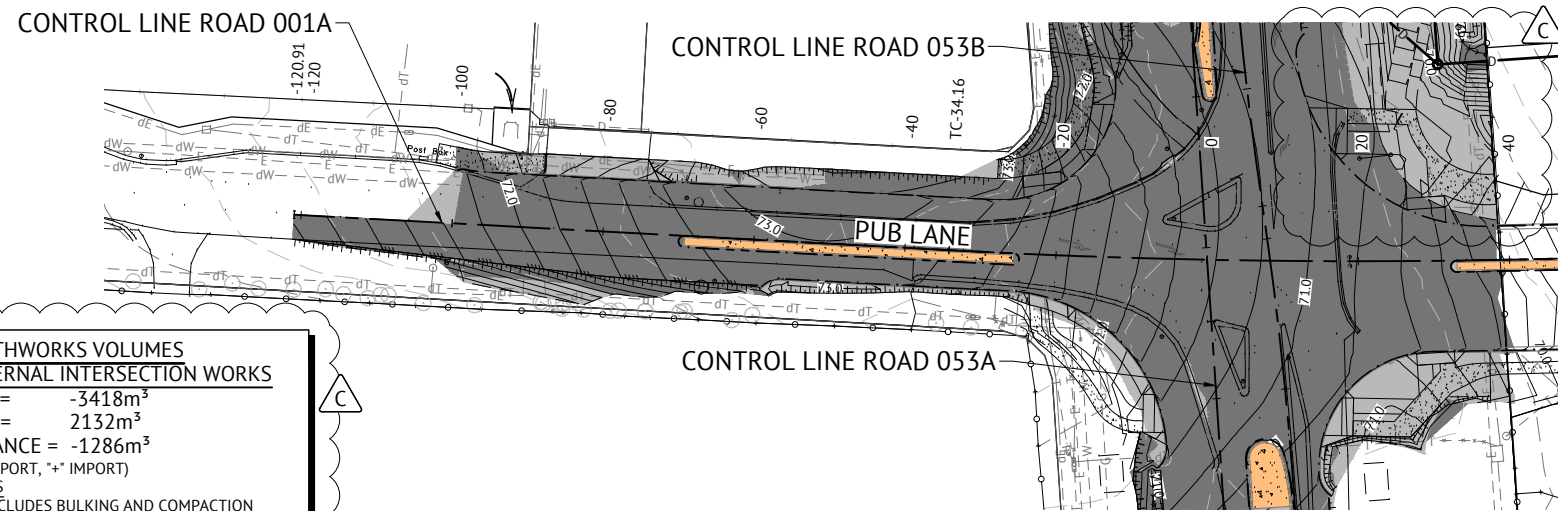
CLIENT  
PROJECT  
LOCATION  
SHEET TITLE

MIRVAC  
EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT  
TEVIOT ROAD, GREENBANK  
CONTROL LINE SETOUT PLAN

JOB CODE  
SHEET NUMBER  
REV

MIR001-01  
C908  
B





#### EARTHWORKS VOLUMES EXTERNAL INTERSECTION WORKS

CUT = -3418m<sup>3</sup>  
FILL = 2132m<sup>3</sup>  
BALANCE = -1286m<sup>3</sup>  
(“-” EXPORT, “+” IMPORT)

- NOTES
- EXCLUDES BULKING AND COMPACTION FACTORS.
  - ROAD BOX INCLUDED IN VOLUMES.

#### PAVEMENT DESIGN (PRELIMINARY)

|             |   |  |
|-------------|---|--|
| ROADS       | - | PUB LANE (001A)<br>CH.-120.906 - CH.37.193 |
| CLASS       | - | ARTERIAL                                   |
| ESA's       | - | 8.48 x 10 <sup>6</sup>                     |
| SURFACE     | - | 50mm AC of 14mm MIX                        |
| PRIMER TYPE | - | PRIMER SEAL                                |
| CBR 80      | - | 300mm                                      |
| CBR 45      | - | 200mm                                      |
| TOTAL BOX   | - | 550mm                                      |

ASSUMED CBR 15 SUBGRADE PRIOR TO TESTING

#### \* REFER TO ROADWORKS DETAILS PLANS

Horiz Curve Data

Vertical Geometry Grade (%)  
Vertical Grade Length (m)

Vertical Curve Length (m)  
Vertical Curve Radius (m)

DATUM R.L.63.0

| CUT (-)/FILL DEPTH | 0.004   | 0.004   | 0.008   | 0.019     |  | 0.008  | 0.010  | 0.021  | 0.004  | 0.006  | 0.017  | 0.078 | 0.079 | 0.208  | 0.089  | 0.071  | 0.349  |
|--------------------|---------|---------|---------|-----------|--|--------|--------|--------|--------|--------|--------|-------|-------|--------|--------|--------|--------|
| LHS LIP/SHR LEVEL  |         |         |         |           |  | 72.533 | 72.557 | 73.071 | 73.133 | 73.058 | 72.950 |       |       |        |        |        | 69.863 |
| RHS LIP/SHR LEVEL  | 70.742  | 70.776  | 70.916  | 71.530    |  | 72.295 | 72.319 | 72.844 | 72.925 | 72.838 | 72.724 |       |       |        |        |        | 69.795 |
| DESIGN SURFACE     | 70.836  | 70.870  | 71.012  | 71.645    |  | 72.423 | 72.446 | 72.941 | 72.994 | 72.906 | 72.792 |       |       | 71.440 | 70.913 | 70.804 | 69.965 |
| NATURAL SURFACE    | 70.832  | 70.866  | 71.005  | 71.626    |  | 72.415 | 72.437 | 72.919 | 72.997 | 72.912 | 72.775 |       |       | 71.232 | 70.824 | 70.733 | 69.616 |
| CHAINAGE           | -120.91 | -120.00 | -116.28 | -100.00   |  | -80.00 | -79.39 | -60.00 | -51.25 | -40.00 | -34.16 |       |       | 0.00   | 16.53  | 20.00  | 40.00  |
| SUPER ELEVATION    |         |         |         | LHS 1.36% |  |        |        |        |        |        |        |       |       |        |        |        |        |

#### CONTROL LINE ROAD 001A LONGITUDINAL SECTION

SCALE: 1:500H, 1:100V

#### ROADWORKS LEGEND

- PROPOSED IPWEA STD TYPE 'B1' KERB & CHANNEL. REFER IPWEA STD DWG RS-080.
- PROPOSED IPWEA STD TYPE 'SM3' KERB ONLY. REFER IPWEA STD DWG RS-080.
- PROPOSED IPWEA STD TYPE 'SM5' KERB ONLY. REFER IPWEA STD DWG RS-080.
- EDGE OF BITUMEN
- TOP OF BATTER
- BOTTOM OF BATTER
- DIRECTION OF DRAIN FLOW
- DESIGN CONTOURS (MAJOR)
- DESIGN CONTOURS (MINOR)
- EXISTING CONTOURS (MINOR)
- EXISTING CONTOURS (MINOR)
- CUT EXTENTS
- FILL EXTENTS
- CONCRETE FOOTPATH
- KERB RAMP. REFER IPWEA STD DWG RS-080.

#### EXISTING SERVICES LEGEND

- EXISTING STORMWATER DRAINAGE
- EXISTING ELECTRICAL
- EXISTING SEWER MAIN AND MANHOLE
- EXISTING TELECOMMUNICATIONS
- EXISTING WATER MAIN
- EXISTING GAS
- DBYD STORMWATER DRAINAGE
- DBYD ELECTRICAL
- DBYD TELECOMMUNICATIONS
- DBYD WATER MAIN
- DBYD GAS
- EXISTING EDGE OF ROAD
- EXISTING FENCE
- EXISTING TREE


#### EXISTING SERVICES NOTES

- THE SERVICES SHOWN ON THESE DRAWINGS ARE PROVIDED FOR INFORMATION ONLY AND NO RESPONSIBILITY IS TAKEN FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION SUPPLIED.
- ALIGNMENT AND DEPTH OF UTILITY SERVICES AT POSSIBLE CONFLICT POINTS TO BE DETERMINED BY POTHOLING. NOT ALL CONFLICTS HAVE NECESSARILY BEEN PICKED UP AND SHOWN.
- NO WORK IS TO BE CARRIED OUT OVER UTILITY SERVICES WITHOUT PRIOR NOTIFICATION TO THE APPROPRIATE SERVICES AUTHORITIES.
- REFER EXISTING SERVICES SCHEDULE ON THIS SHEET FOR FURTHER DETAILS OF SERVICE RELOCATIONS.
- ALL FENCING, VEGETATION, CONCRETE SLABS, DRIVEWAYS AND PAVERS WITHIN EXTENT OF WORKS TO BE REMOVED PRIOR TO CONSTRUCTION.

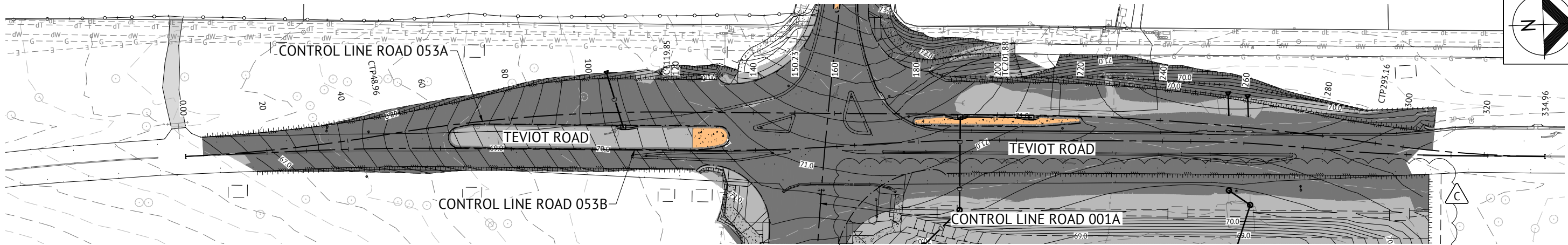
#### ROADWORKS NOTES

- GEOTECHNICAL TESTING FOR PAVEMENT CONSTRUCTION IS TO BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT SPECIFICATION. TEST CERTIFICATES ARE TO BE PREPARED BY A REGISTERED N.A.T.A. LABORATORY AT THE CONTRACTORS COST AND SHALL BE PROVIDED TO THE ENGINEER PROGRESSIVELY THROUGH THE WORKS. THE CONTRACTOR IS TO NOTIFY THE ENGINEER OF ANY NON-CONFORMANCES. ALL NON CONFORMING WORK IS TO BE RECTIFIED AS DIRECTED BY THE ENGINEER.
- FULL DEPTH PAVEMENT CONSTRUCTION SHALL EXTEND BEHIND ALL KERB AND KERB AND CHANNEL FOR A DISTANCE WHICH IS THE GREATER OF 150mm FROM THE BACK OF KERB OR ACROSS TO THE OUTER LIMIT OF SIDE DRAIN FILTER MATERIAL.
- TRANSITION KERB AND CHANNEL TO BARRIER KERB SMOOTHLY OVER MIN. 1.0m LENGTH.
- PAVEMENT THICKNESSES NOMINATED ON THESE DRAWINGS ARE PROVISIONAL ONLY AND MAY BE VARIED BY THE SUPERINTENDENT SUBJECT TO INSITU PAVEMENT SUBGRADE TESTING. PAVEMENT SUBGRADES ARE TO BE INITIALLY CONSTRUCTED TO THE UNDERSIDE OF THE NOMINATED LOWER SUBBASE COURSE WITHIN FILL AREAS, AND TO THE UNDERSIDE OF THE NOMINATED UPPER SUBBASE COURSE WITHIN CUT AREAS. INSITU SUBGRADE CBR TESTING AS SPECIFIED FOR PAVEMENT DESIGN VERIFICATION IS TO BE CARRIED OUT AT THESE LEVELS.
- REPAIR ANY DAMAGE TO EXISTING KERB AND CHANNEL, FOOTPATH OR ROADWAY (INCLUDING REMOVAL OF CONCRETE SLURRY FROM FOOTPATHS, ROADS, KERB AND CHANNEL AND STORMWATER GULLIES AND SIDEDRAINS) THAT MAY OCCUR DURING ANY WORKS CARRIED OUT.

27/06/18 CONSTRUCTION ISSUE

|                                  |             |  |           |      |   |   |  |               |                                    |               |   |  |   |
|----------------------------------|-------------|--|-----------|------|---|---|--|---------------|------------------------------------|---------------|---|--|---|
| 21/12/17<br>13/11/17<br>18/08/17 | C<br>B<br>A | REVISED EARTHWORKS AND ROAD BATTERS TO SUIT ULTIMATE ROAD PROFILE<br>SOUTH-WEST FOOTPATH AMENDED, PAVEMENT DESIGN ADDED AND REVISED EARTHWORKS<br>ORIGINAL ISSUE | REVISIONS | RPEQ |  | BRISBANE OFFICE<br>LEVEL 1, 100 BRUNSWICK STREET<br>PO BOX 361<br>FORTITUDE VALLEY, QLD 4006<br>PH: (07) 3253 2222<br>WEB: www.premise.com.au | DESIGNED S.BROGAN<br>CHECKED J.STONE<br>PROJECT MANAGER J.STONE<br>PROJECT DIRECTOR JOSHUA STONE | DATE 21/12/17 | RPEQ<br>KEITH HOWELLS<br>RPEQ 7295 | DATE 21/12/17 | SCALE<br>SCALE 1:500 (A1)<br>SCALE 1:100 (A1) | CLIENT MIRVAC<br>PROJECT EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT<br>LOCATION TEVIOT ROAD, GREENBANK<br>SHEET TITLE ROADWORKS AND LONGITUDINAL SECTION PLAN SHEET 1 OF 3 | JOB CODE<br>MIR001-01<br>SHEET NUMBER C909<br>REV C |
|----------------------------------|-------------|--|-----------|------|---|---|--|---------------|------------------------------------|---------------|---|--|---|





FOR ROADWORKS NOTES AND  
DETAILS REFER TO SHEET 1

| PAVEMENT DESIGN<br>(PRELIMINARY) |  |
|----------------------------------|--|
| ROADS                            | TEVIOT ROAD (0053A)<br>CH.4.395 - CH.307.215 |
| CLASS                            | ARTERIAL                                     |
| ESA's                            | 1.21 x 10 <sup>7</sup>                       |
| SURFACE                          | 50mm AC of 14mm MIX                          |
| PRIMER TYPE                      | PRIMER SEAL                                  |
| CBR 80                           | 300mm  |
| CBR 45                           | 200mm  |
| TOTAL BOX                        | 550mm  |

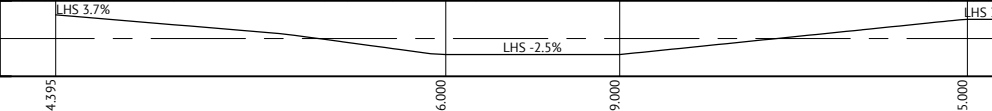
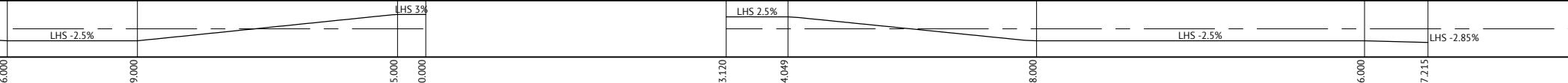
ASSUMED CBR 15 SUBGRADE PRIOR TO TESTING

\* REFER TO ROADWORKS  
DETAILS PLANS

Horiz Curve Data

Vertical Geometry Grade (%)  
Vertical Grade Length (m)  
Vertical Curve Length (m)  
Vertical Curve Radius (m)

DATUM R.L.60.0

|                    |                  |  |  |        |  |  |  |        |  |        |  |        |  |        |  |                            |  |        |  |                            |  |        |  |                            |  |                            |  |        |  |                 |  |                           |  |        |  |                            |  |                  |  |        |  |        |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|------------------|--|--|--------|--|--|--|--------|--|--------|--|--------|--|--------|--|----------------------------|--|--------|--|----------------------------|--|--------|--|----------------------------|--|----------------------------|--|--------|--|-----------------|--|---------------------------|--|--------|--|----------------------------|--|------------------|--|--------|--|--------|--|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| CUT (-)/FILL DEPTH | -0.000<br>0.006  |  |  | 0.004  |  | -0.037<br>-0.025   |  | 0.030  |  | 0.159  |  | 0.266  |  | 0.250  |  | 0.323<br>0.324<br>0.306    |  | 0.469  |  | 0.206<br>0.314<br>0.218    |  | 0.577  |  | 0.645<br>0.633<br>0.613    |  | 0.491                      |  | 0.203  |  | 0.008<br>-0.050 |  | 0.009<br>-0.001<br>-0.001 |  | 0.010  |  | 0.003                      |  | 0.000            |  |        |  |        |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LHS LIP/SHR LEVEL  |                  |  |  | 67.052 |  | 67.657<br>67.750<br>67.951   |  | 68.298 |  | 69.007 |  | 69.894 |  |        |  | 70.782<br>70.788<br>70.898 |  |        |  | *                          |  | 71.406 |  | 71.234<br>71.178<br>71.095 |  | 70.687                     |  | 70.347 |  | 70.327          |  | 70.349                    |  | 70.553 |  | 70.674<br>70.729           |  | 70.832           |  |        |  | 0.003  |  | 0.000  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| RHS LIP/SHR LEVEL  |                  |  |  |        |  |  |  |        |  |        |  |        |  |        |  |                            |  |        |  |                            |  |        |  |                            |  |                            |  |        |  |                 |  |                           |  |        |  |                            |  |                  |  |        |  |        |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DESIGN SURFACE     | 66.320<br>66.392 |  |  | 66.954 |  | 67.663<br>67.754   |  | 68.001 |  | 68.418 |  | 69.174 |  | 69.891 |  | 70.588<br>70.593<br>70.679 |  | 71.175 |  | 71.450<br>71.473           |  | 71.415 |  | 71.206                     |  | 71.085<br>71.046<br>70.990 |  | 70.727 |  | 70.534          |  | 70.500                    |  | 70.511 |  | 70.656                     |  | 70.787<br>70.842 |  | 70.948 |  | 71.260 |  | 71.493 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| NATURAL SURFACE    | 66.320<br>66.387 |  |  | 66.951 |  | 67.701<br>67.779<br>67.971   |  | 68.259 |  | 68.418 |  | 68.907 |  | 69.642 |  | 70.264<br>70.268<br>70.375 |  | 70.706 |  | 71.244<br>71.160           |  | 71.197 |  | 70.629                     |  | 70.440<br>70.414<br>70.377 |  | 70.236 |  | 70.331          |  | 70.492                    |  | 70.560 |  | 70.648                     |  | 70.788<br>70.842 |  | 70.938 |  | 71.257 |  | 71.493 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CHAINAGE           | 0.00<br>2.40     |  |  | 20.00  |  | 40.00<br>42.40<br>48.96  |  | 60.00  |  | 80.00  |  | 100.00 |  |        |  | 119.85<br>120.00<br>122.46 |  | 140.00 |  | 160.00<br>167.75<br>180.00 |  | 194.05 |  | 200.00<br>201.88<br>204.65 |  | 220.00                     |  | 240.00 |  | 252.80          |  | 260.00                    |  | 280.00 |  | 289.65<br>293.16<br>300.00 |  |                  |  | 320.00 |  | 334.96 |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SUPER ELEVATION    |                  |  |  |        |  |  |  |        |  |        |  |        |  |        |  |                            |  |        |  |                            |  |        |  |                            |  |                            |  |        |  |                 |  |                           |  |        |  |                            |  |                  |  |        |  |        |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

CONTROL LINE ROAD 053A LONGITUDINAL SECTION  
SCALE: 1:500H, 1:100V

27/06/18 CONSTRUCTION ISSUE

21/12/17  
13/11/17  
18/08/17

C  
B  
A


REVISED EARTHWORKS AND ROAD BATTERS TO SUIT ULTIMATE ROAD PROFILE  
SOUTH-WEST FOOTPATH AMENDED, PAVEMENT DESIGN ADDED AND REVISED EARTHWORKS  
ORIGINAL ISSUE

DATE  
REV  
DESCRIPTION

KH  
KH  
KH

RPEQ

REVISIONS



**BRISBANE OFFICE**  
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PO BOX 361  
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DESIGNED  
CHECKED  
PROJECT MANAGER  
PROJECT DIRECTOR

S.BROGAN  
J.STONE  
J.STONE  
JOSHUA STONE

DATE  
DATE

21/12/17  
21/12/17

RPEQ  
KEITH HOWELLS

SCALE  
SCALE 1:500 (A1)  
SCALE 1:100 (A1)

DATE  
21/12/17

CLIENT  
PROJECT  
LOCATION  
SHEET TITLE

MIRVAC  
EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT  
TEVIOT ROAD, GREENBANK  
ROADWORKS AND LONGITUDINAL SECTION PLAN SHEET 2 OF 3

JOB CODE  
SHEET NUMBER  
REV

MIR001-01  
C910  
C

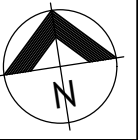












#### SETOUT POINT DETAILS

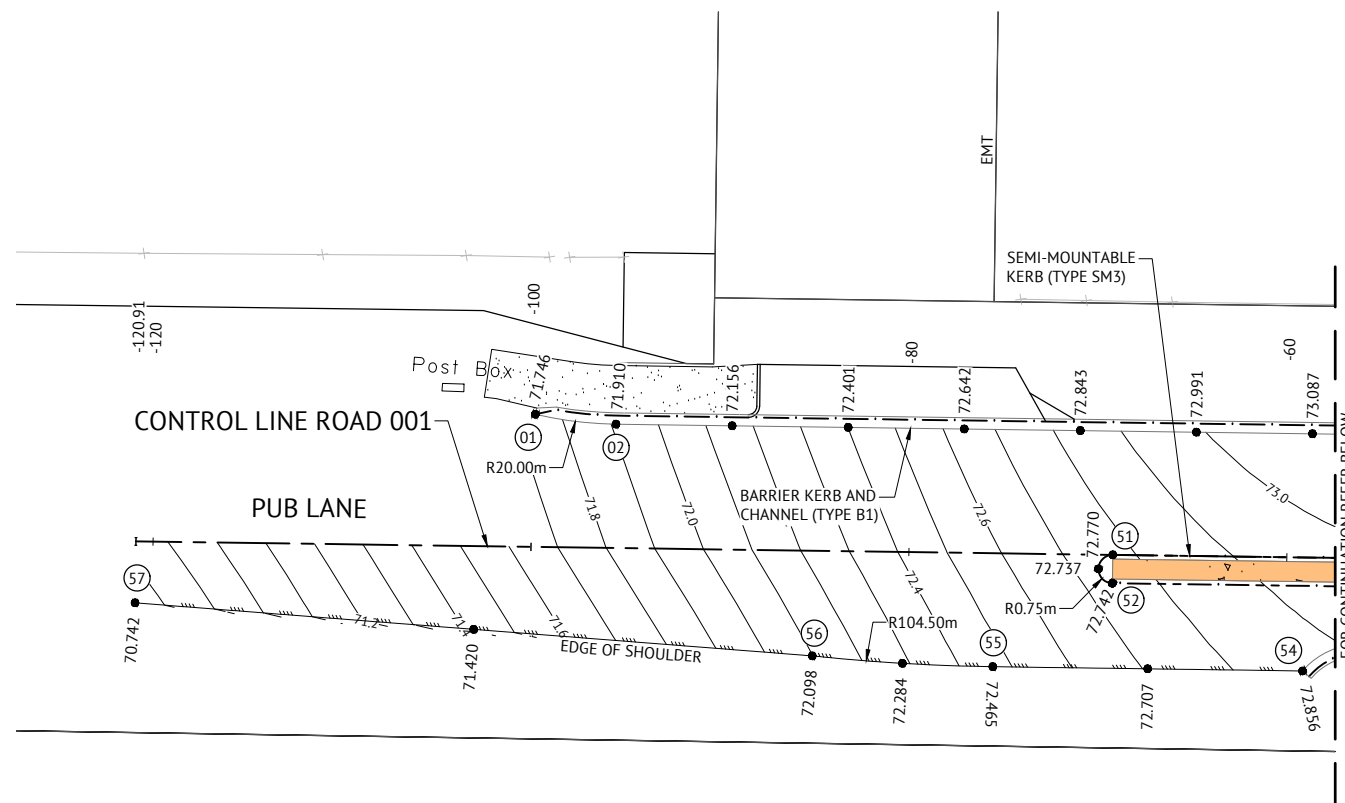
| POINT | EASTING  | NORTHING  |
|-------|----------|-----------|
| 01    | 8376.541 | 31748.474 |
| 02    | 8380.682 | 31747.312 |
| 03    | 8441.263 | 31737.171 |
| 04    | 8447.116 | 31736.209 |
| 05    | 8465.011 | 31750.784 |
| 06    | 8467.240 | 31754.790 |
| 15    | 8476.026 | 31769.076 |
| 16    | 8475.384 | 31754.474 |
| 17    | 8475.774 | 31747.318 |
| 18    | 8477.772 | 31747.328 |
| 21    | 8489.734 | 31754.224 |
| 22    | 8488.261 | 31751.134 |

#### SETOUT POINT DETAILS

| POINT | EASTING  | NORTHING  |
|-------|----------|-----------|
| 23    | 8511.301 | 31725.473 |
| 24    | 8510.918 | 31721.441 |
| 25    | 8506.744 | 31721.847 |
| 26    | 8506.595 | 31720.354 |
| 27    | 8510.776 | 31719.948 |
| 28    | 8509.825 | 31709.943 |
| 29    | 8502.424 | 31710.674 |
| 30    | 8485.085 | 31695.717 |
| 31    | 8486.395 | 31692.573 |
| 40    | 8464.750 | 31698.718 |
| 41    | 8476.116 | 31698.818 |
| 45    | 8481.714 | 31691.998 |

#### SETOUT POINT DETAILS

| POINT | EASTING  | NORTHING  |
|-------|----------|-----------|
| 47    | 8466.338 | 31701.731 |
| 48    | 8447.439 | 31724.916 |
| 49    | 8448.389 | 31727.853 |
| 50    | 8448.624 | 31729.335 |
| 51    | 8405.617 | 31736.497 |
| 52    | 8405.370 | 31735.017 |
| 53    | 8417.846 | 31729.837 |
| 54    | 8414.609 | 31728.908 |
| 55    | 8398.446 | 31731.614 |
| 56    | 8389.089 | 31733.625 |
| 57    | 8354.092 | 31741.827 |

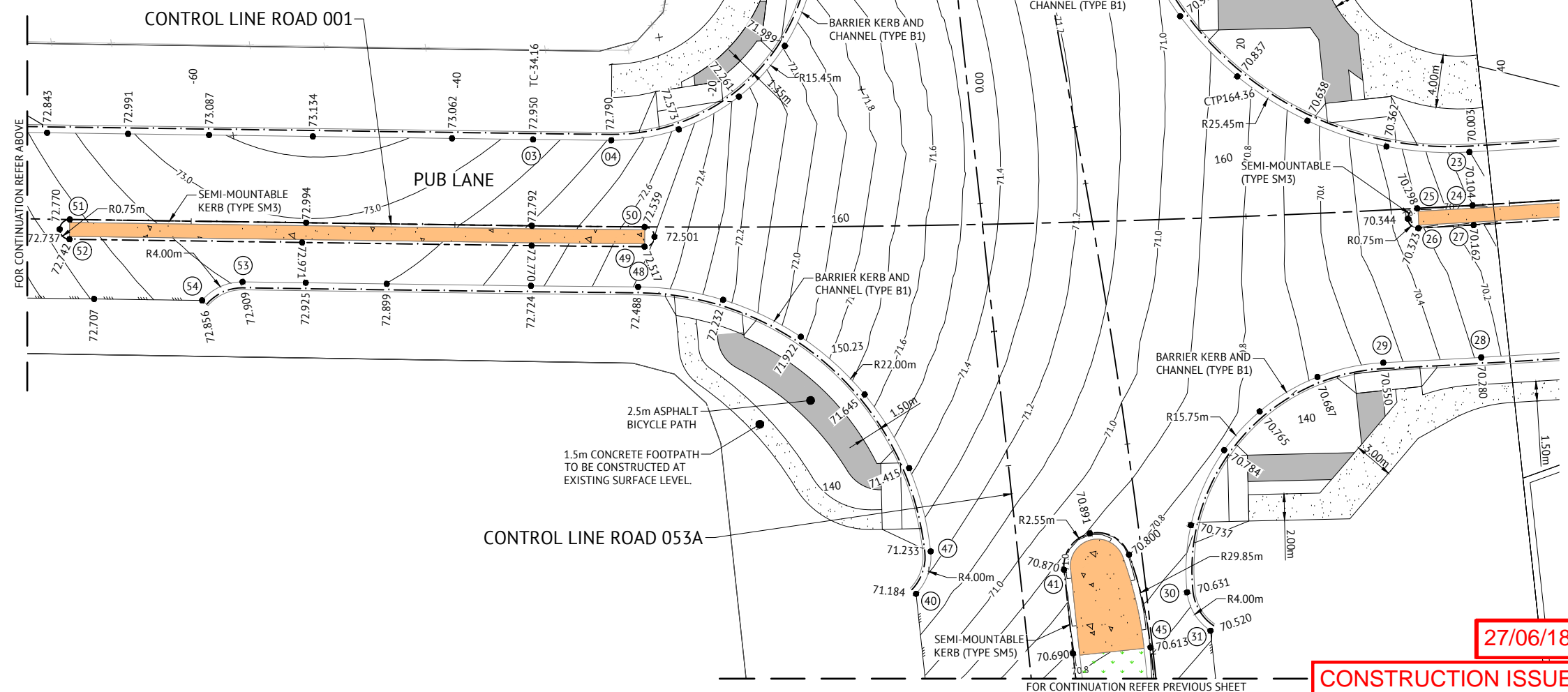


#### ROADWORKS DETAILS LEGEND

- PROPOSED IPWEA STD TYPE 'B1' KERB & CHANNEL. REFER IPWEA STD DWG RS-080.
- PROPOSED IPWEA STD TYPE 'SM3' KERB ONLY. REFER IPWEA STD DWG RS-080.
- PROPOSED IPWEA STD TYPE 'SM5' KERB ONLY. REFER IPWEA STD DWG RS-080.
- EDGE OF BITUMEN
- DESIGN CONTOURS (MAJOR)
- DESIGN CONTOURS (MINOR)
- CONCRETE FOOTPATH
- ASPHALT FOOTPATH
- STENCILLED CONCRETE ISLAND INFILL TO LCC STDS. PATTERN AND COLOUR TO BE ADVISED.
- 100mm TOPSOIL FINISHED FOR LANDSCAPING
- KERB RAMP. REFER IPWEA STD DWG RS-080.

#### ROADWORKS DETAILS NOTES

- LEVELS AND SETOUT INFORMATION FOR KERB AND CHANNEL CONSTRUCTION IS GIVEN TO LIP OF KERB.



27/06/18

CONSTRUCTION ISSUE

|                                  |             |  |      |  |                  |   |   |                       |          |
|----------------------------------|-------------|--|------|--|------------------|---|---|-----------------------|----------|
| 21/12/17<br>13/11/17<br>18/08/17 | C<br>B<br>A | AMENDED CONCRETE MEDIAN INFILL<br>SOUTH-WEST FOOTPATH AMENDED AND REVISED LEGEND<br>ORIGINAL ISSUE | RPEQ | DESIGNED<br>S.BROGAN<br>CHECKED<br>J.STONE<br>PROJECT MANAGER<br>J.STONE<br>PROJECT DIRECTOR<br>JOSHUA STONE | DATE<br>21/12/17 | RPEQ<br>KEITH HOWELLS<br>SCALE<br>0 4 8 12m<br>SCALE 1:200 (A1) | CLIENT<br>MIRVAC<br>PROJECT<br>EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT<br>LOCATION<br>TEVIOT ROAD, GREENBANK<br>SHEET TITLE<br>ROADWORKS SETOUT AND DETAILS PLANS SHEET 2 OF 2 | JOB CODE<br>MIR001-01 |          |
|                                  |             |  |      |  |                  |   |   | SHEET NUMBER<br>C913  | REV<br>C |



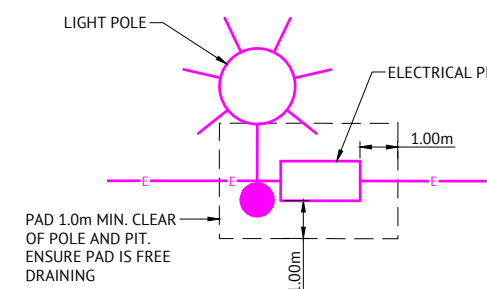
PLAN VIEW  
SCALE: 1:250 (m)

## DRAIN SETOUT DETAILS

| POINT | EASTING  | NORTHING  |
|-------|----------|-----------|
| D01   | 8462.912 | 31684.638 |
| D02   | 8463.551 | 31698.772 |
| D03   | 8466.041 | 31754.842 |
| D04   | 8466.905 | 31774.488 |
| D05   | 8467.513 | 31794.172 |
| D06   | 8467.635 | 31795.368 |
| D07   | 8470.655 | 31824.355 |
| D08   | 8471.800 | 31830.173 |
| D09   | 8478.001 | 31857.867 |
| D10   | 8478.003 | 31875.006 |

















## NOTES

1. REFER TO C400 SERIES DRAWINGS FOR STORMWATER CATCHMENT PLANT, STORMWATER DRAINAGE LONGITUDINAL SECTIONS AND CALCULATION SHEETS.



**LIGHT POLE AND PIT PAD DETAIL**  
NOT TO SCALE



### LEGEND

- |   |   |
|---|---|
|  | <p><b>NEW PAVEMENT</b><br/>REFER ROADWORKS AND LONGITUDINAL SECTION PLANS FOR PAVEMENT DESIGN</p> |
|  | <p><b>ASPHALT BICYCLE PATH TO BE IN ACCORDANCE WITH IPWEA STD DWG</b></p>                         |
|  | <p><b>PROPOSED CONCRETE FOOTPATH.</b><br/>REFER CONC. REQUIREMENTS ON DRG. No. C300</p>           |
|  | <p><b>PROPOSED KERB RAMP.</b><br/>REFER IPWEA STD DWG RS-050.</p>                                 |
|  | <p><b>PROPOSED IPWEA STD TYPE 'B1' KERB &amp; CHANNEL.</b> REFER IPWEA STD DWG RS-080.</p>        |
|  | <p><b>PROPOSED IPWEA STD TYPE 'SM3' KERB ONLY.</b> REFER IPWEA STD DWG RS-080.</p>                |
|  | <p><b>PROPOSED IPWEA STD TYPE 'SM5' KERB ONLY.</b> REFER IPWEA STD DWG RS-080.</p>                |
|  | <p><b>STORMWATER DRAINAGE LINE</b></p>  |
|  | <p><b>STORMWATER STRUCTURE LABEL</b></p>  |
|  | <p><b>PROPOSED ELECTRICAL/SIGNALS</b></p>   |
|  | <p><b>EXISTING SEWER</b></p>  |
|  | <p><b>EXISTING WATER</b></p>  |
|  | <p><b>EXISTING ELECTRICAL</b></p>   |
|  | <p><b>EXISTING TELSTRA</b></p>  |
|  | <p><b>EXISTING GAS</b></p>  |
|  | <p><b>DBYD GAS</b></p>  |

|          |     |   |          |
|----------|-----|---|----------|
| 26/02/18 | D   | ADDED AS CON GAS  | KH       |
| 12/2/17  | C   | EARTHWORKS PADS ADDED FOR ROAD LIGHTING TO SUIT ULTIMATE ROAD PROFILE | KH       |
| 13/11/17 | B   | STORMWATER DESIGN AND LIGHTING/SIGNALS DESIGN ADDED                   | KH       |
| 18/08/17 | A   | ORIGINAL ISSUE  | KH       |
| DATE     | REV | DESCRIPTION   | REVISION |

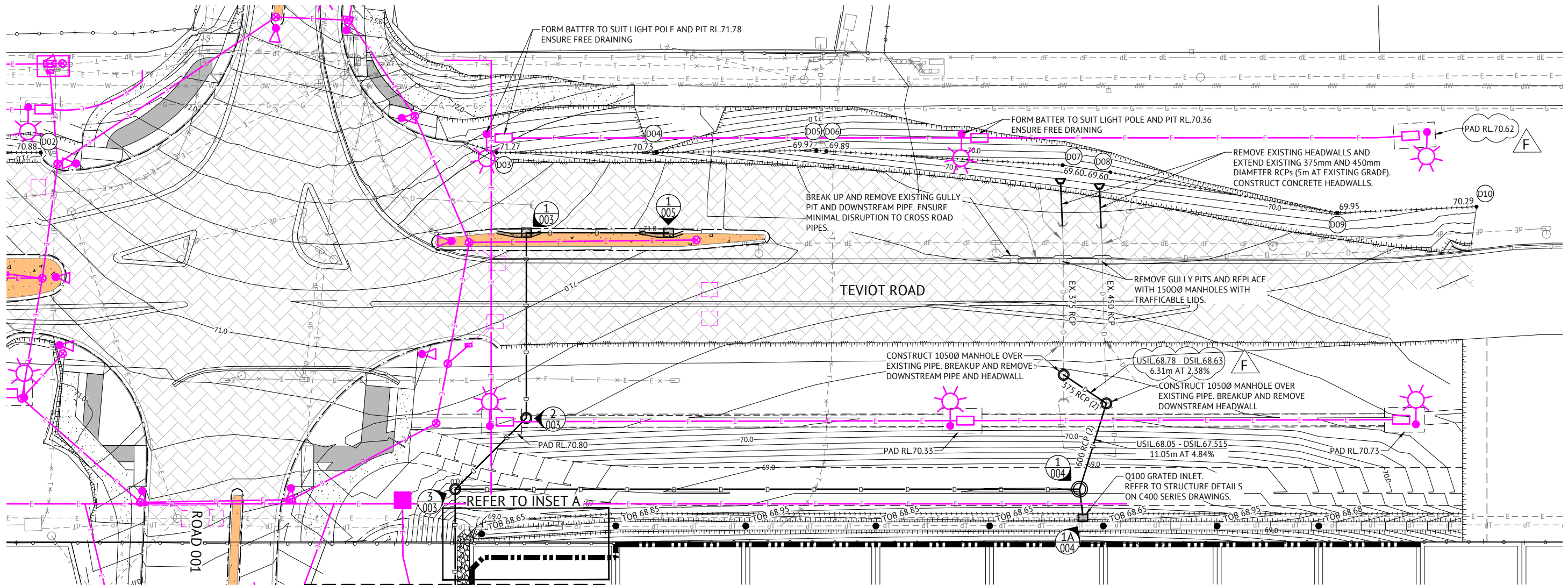


**BRISBANE OFFICE**  
LEVEL 1, 100 BRUNSWICK STREET  
PO BOX 361  
FORTITUDE VALLEY, QLD 4006  
PH: (07) 3253 2222  
WEB: [www.premise.com.au](http://www.premise.com.au)

|                  |   |       |   |           |          |
|------------------|---|-------|---|-----------|----------|
| DESIGNED         | S.BROGAN  | RPEQ  |  | DATE      | 26/02/18 |
| CHECKED          | J.STONE   | SCALE | KEITH HOWELLS   | RPEQ 7295 |          |
| PROJECT MANAGER  | J.STONE   |       |   |           |          |
| PROJECT DIRECTOR |  | DATE  | 26/02/18  |           |          |

|             |  |        |              |     |
|-------------|--|--------|--------------|-----|
| CLIENT      |  | MIRVAC | JOB CODE     |     |
| PROJECT     | EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT         |        | MIR001-01    |     |
| LOCATION    | TEVIOT ROAD, GREENBANK                                 |        | SHEET NUMBER | REV |
| SHEET TITLE | PAVEMENT TREATMENT AND SURFACE DRAIN PLAN SHEET 1 OF 3 |        | C914         | D   |





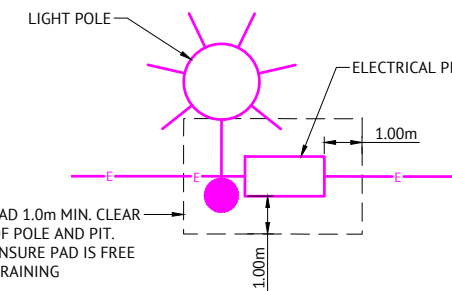
PLAN VIEW  
SCALE: 1:250 (m)

#### DRAIN SETOUT DETAILS

| POINT | EASTING  | NORTHING  |
|-------|----------|-----------|
| D01   | 8462.912 | 31684.638 |
| D02   | 8463.551 | 31698.772 |
| D03   | 8466.041 | 31754.842 |
| D04   | 8466.905 | 31774.488 |
| D05   | 8467.513 | 31794.172 |
| D06   | 8467.635 | 31795.368 |
| D07   | 8470.655 | 31824.355 |
| D08   | 8471.800 | 31830.173 |
| D09   | 8478.001 | 31857.867 |
| D10   | 8478.003 | 31875.006 |

#### NOTES

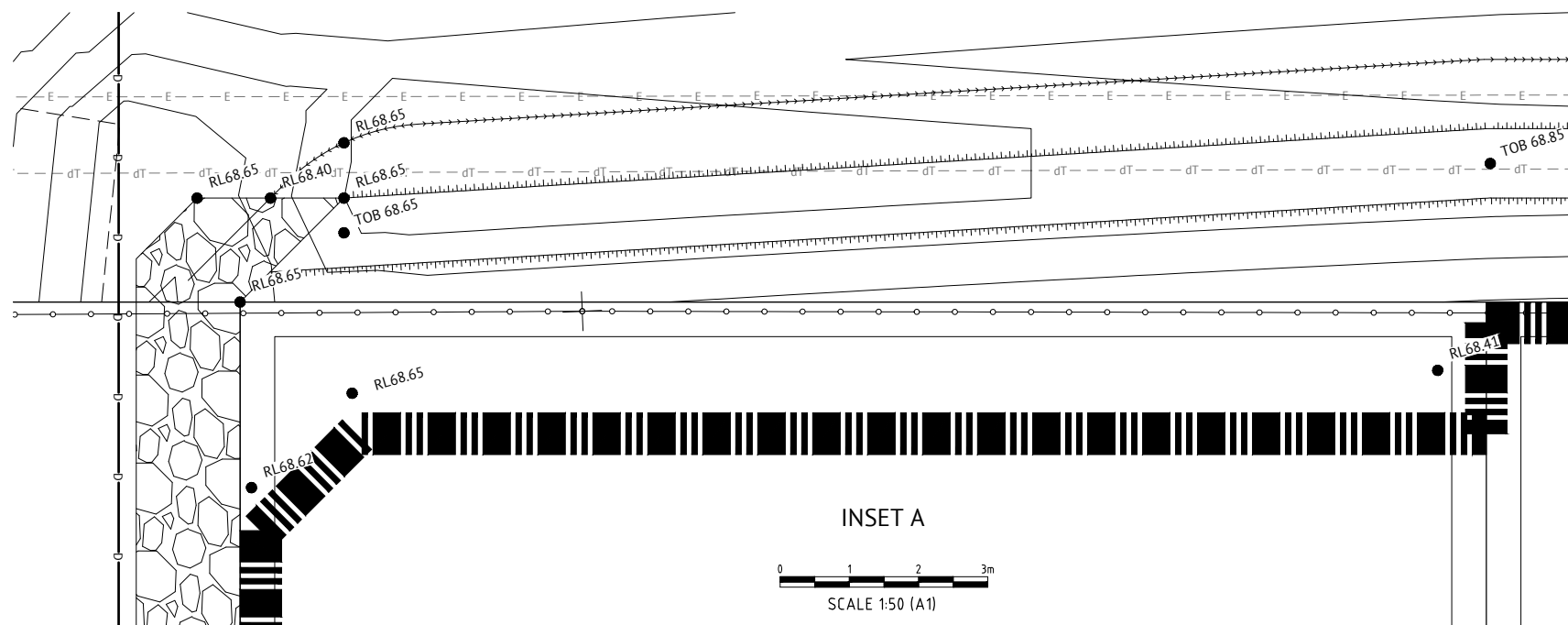
1. REFER TO C400 SERIES DRAWINGS FOR STORMWATER CATCHMENT PLANT, STORMWATER DRAINAGE LONGITUDINAL SECTIONS AND CALCULATION SHEETS.



LIGHT POLE AND PIT PAD DETAIL  
NOT TO SCALE

#### LEGEND

- NEW PAVEMENT  
REFER ROADWORKS AND LONGITUDINAL SECTION PLANS FOR PAVEMENT DESIGN
- ASPHALT BICYCLE PATH TO BE IN ACCORDANCE WITH IPWEA STD DWG
- PROPOSED CONCRETE FOOTPATH.  
REFER CONC. REQUIREMENTS ON DRG. No. C300
- PROPOSED KERB RAMP.  
REFER IPWEA STD DWG RS-050.
- PROPOSED IPWEA STD TYPE 'B1' KERB & CHANNEL. REFER IPWEA STD DWG RS-080.
- PROPOSED IPWEA STD TYPE 'SM3' KERB ONLY. REFER IPWEA STD DWG RS-080.
- PROPOSED IPWEA STD TYPE 'SM5' KERB ONLY. REFER IPWEA STD DWG RS-080.
- STORMWATER DRAINAGE LINE
- STORMWATER STRUCTURE LABEL
- PROPOSED ELECTRICAL/SIGNALS
- EXISTING SEWER
- EXISTING WATER
- EXISTING ELECTRICAL
- EXISTING TELSTRA
- EXISTING GAS
- DBYD GAS



27/06/18 CONSTRUCTION ISSUE

| DATE     | REV | DESCRIPTION  | REVISIONS |
|----------|-----|--|-----------|
| 22/06/18 | F   | UPDATED LEVELS   |           |
| 02/05/18 | E   | BUND DETAILS ADDED   |           |
| 26/02/18 | D   | ADDED AS CON GAS   |           |
| 21/12/17 | C   | EARTHWORKS PADS ADDED FOR ROAD LIGHTING TO SUIT ULTIMATE ROAD PROFILE AND AMENDED STORMWATER |           |
| 13/11/17 | B   | STORMWATER DESIGN AND LIGHTING/SIGNALS DESIGN ADDED  |           |
| 18/08/17 | A   | ORIGINAL ISSUE   |           |

**Premise**

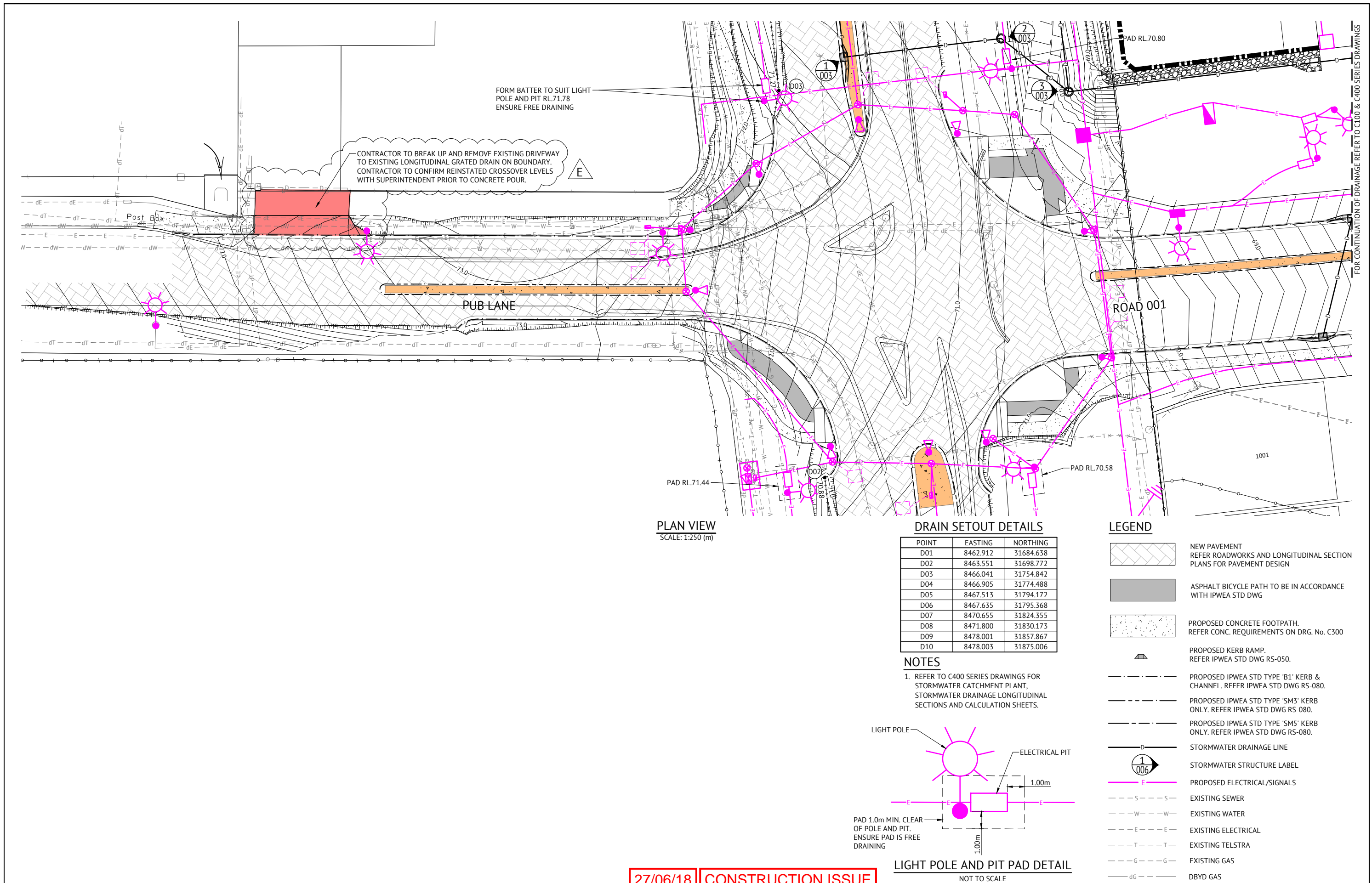
BRISBANE OFFICE  
LEVEL 1, 100 BRUNSWICK STREET  
PO BOX 361  
FORTITUDE VALLEY, QLD 4006  
PH: (07) 3253 2222  
WEB: www.premise.com.au

|                  |              |               |           |
|------------------|--------------|---------------|-----------|
| DESIGNED         | S.BROGAN     | RPEQ          | 22/06/18  |
| CHECKED          | J.STONE      | KEITH HOWELLS | RPEQ 7295 |
| PROJECT MANAGER  | J.STONE      | SCALE         | AS SHOWN  |
| PROJECT DIRECTOR | JOSHUA STONE | DATE          | 22/06/18  |

|             |  |
|-------------|--|
| CLIENT      | MIRVAC   |
| PROJECT     | EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT         |
| LOCATION    | TEVIOT ROAD, GREENBANK                                 |
| SHEET TITLE | PAVEMENT TREATMENT AND SURFACE DRAIN PLAN SHEET 2 OF 3 |

|              |           |
|--------------|-----------|
| JOB CODE     | MIR001-01 |
| SHEET NUMBER | C915      |
| REV          | F         |

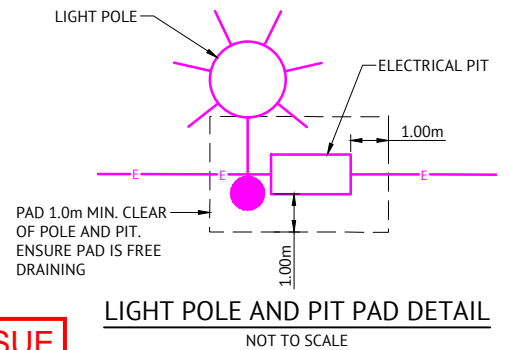




DRAIN SETOUT DETAILS

| POINT | EASTING  | NORTHING  |
|-------|----------|-----------|
| D01   | 8462.912 | 31684.638 |
| D02   | 8463.551 | 31698.772 |
| D03   | 8466.041 | 31754.842 |
| D04   | 8466.905 | 31774.488 |
| D05   | 8467.513 | 31794.172 |
| D06   | 8467.635 | 31795.368 |
| D07   | 8470.655 | 31824.355 |
| D08   | 8471.800 | 31830.173 |
| D09   | 8478.001 | 31857.867 |
| D10   | 8478.003 | 31875.006 |

- NOTES
- REFER TO C400 SERIES DRAWINGS FOR STORMWATER CATCHMENT PLANT, STORMWATER DRAINAGE LONGITUDINAL SECTIONS AND CALCULATION SHEETS.



LEGEND

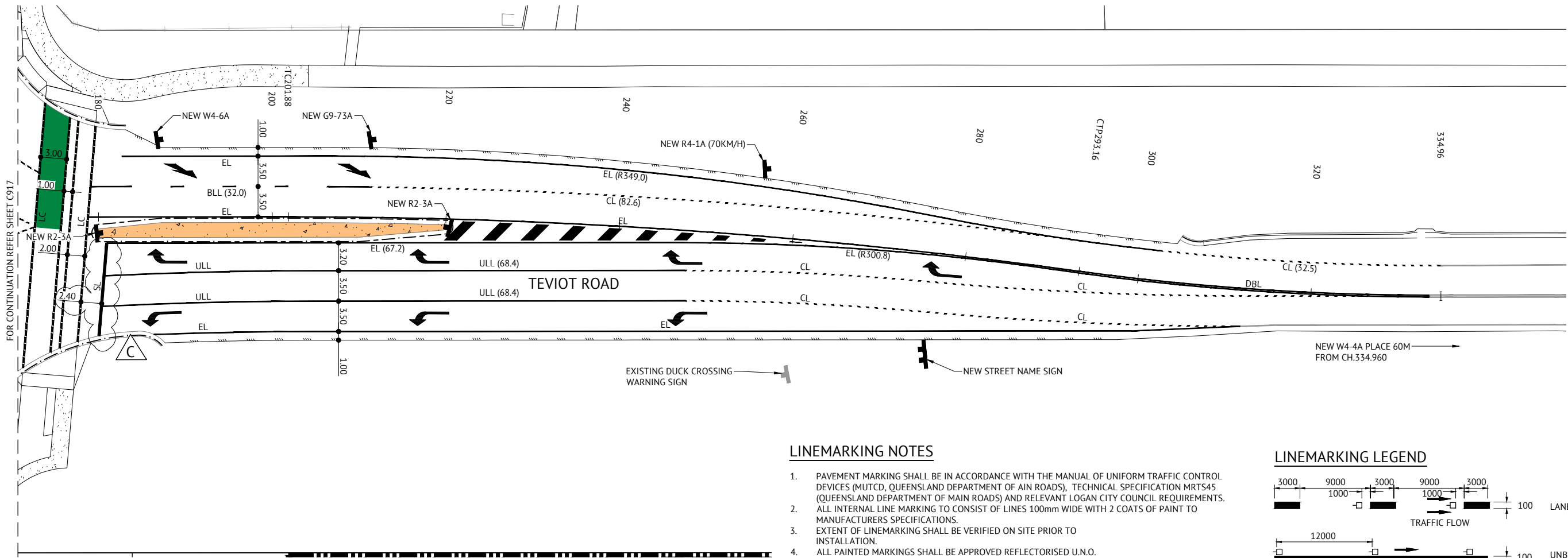
- NEW PAVEMENT  
REFER ROADWORKS AND LONGITUDINAL SECTION PLANS FOR PAVEMENT DESIGN
- ASPHALT BICYCLE PATH TO BE IN ACCORDANCE WITH IPWEA STD DWG
- PROPOSED CONCRETE FOOTPATH.  
REFER CONC. REQUIREMENTS ON DRG. No. C300
- PROPOSED KERB RAMP.  
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- PROPOSED IPWEA STD TYPE 'B1' KERB & CHANNEL. REFER IPWEA STD DWG RS-080.
- PROPOSED IPWEA STD TYPE 'SM3' KERB ONLY. REFER IPWEA STD DWG RS-080.
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- STORMWATER DRAINAGE LINE
- STORMWATER STRUCTURE LABEL
- PROPOSED ELECTRICAL/SIGNALS
- EXISTING SEWER
- EXISTING WATER
- EXISTING ELECTRICAL
- EXISTING TELSTRA
- EXISTING GAS
- DBYD GAS

|   |                      |   |  |  |                                  |                              |   |  |   |                                   |
|---|----------------------|---|--|--|----------------------------------|------------------------------|---|--|---|-----------------------------------|
| <div>04/06/18 E ADDED INFORMATION TO SERVICE STATION CROSSOVER KH<br/>26/02/18 D ADDED AS CON GAS KH<br/>21/12/17 C EARTHWORKS PADS ADDED FOR ROAD LIGHTING TO SUIT ULTIMATE ROAD PROFILE KH<br/>13/11/17 B STORMWATER DESIGN AND LIGHTING/SIGNALS DESIGN ADDED KH<br/>18/08/17 A ORIGINAL ISSUE KH</div> |                      | <div><b>Premise</b></div> <div>BRISBANE OFFICE<br/>LEVEL 1, 100 BRUNSWICK STREET<br/>PO BOX 361<br/>FORTITUDE VALLEY, QLD 4006<br/>PH: (07) 3253 2222<br/>WEB: www.premise.com.au</div> | <div>DESIGNED S.BROGAN<br/>CHECKED J.STONE<br/>PROJECT MANAGER J.STONE<br/>PROJECT DIRECTOR JOSHUA STONE</div> | <div>RPEQ<br/>K. Howells<br/>KEITH HOWELLS<br/>SCALE<br/>RPEQ 7295</div> | <div>DATE<br/>04/06/18</div>     | <div>CLIENT<br/>MIRVAC</div> | <div>PROJECT<br/>EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT</div> | <div>LOCATION<br/>TEVIOT ROAD, GREENBANK</div> | <div>SHEET TITLE<br/>PAVEMENT TREATMENT AND SURFACE DRAIN PLAN SHEET 3 OF 3</div> | <div>JOB CODE<br/>MIR001-01</div> |
| <div>DATE<br/>04/06/18</div>  | <div>REV<br/>E</div> |   | <div>DESCRIPTION<br/>ADDED INFORMATION TO SERVICE STATION CROSSOVER</div>                                      | <div>REVISIONS</div>   | <div>SHEET NUMBER<br/>C916</div> | <div>REV<br/>E</div>         |   |  |   |                                   |









LINEMARKING NOTES

- 1. PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD, QUEENSLAND DEPARTMENT OF AIN ROADS), TECHNICAL SPECIFICATION MRTS45 (QUEENSLAND DEPARTMENT OF MAIN ROADS) AND RELEVANT LOGAN CITY COUNCIL REQUIREMENTS.
- 2. ALL INTERNAL LINE MARKING TO CONSIST OF LINES 100mm WIDE WITH 2 COATS OF PAINT TO MANUFACTURERS SPECIFICATIONS.
- 3. EXTENT OF LINEMARKING SHALL BE VERIFIED ON SITE PRIOR TO INSTALLATION.
- 4. ALL PAINTED MARKINGS SHALL BE APPROVED REFLECTORISED U.N.O.
- 5. ANY EXISTING LINE MARKINGS DAMAGED BY THE PROPOSED WORKS ARE TO BE REINSTATED.
- 6. EXISTING CONFLICTING LINE MARKINGS ARE TO BE PERMANENTLY REMOVED BY METHODS APPROVED BY THE DISTRICT ENGINEER.
- 7. RETRO-REFLECTIVE RAISED PAVEMENT MARKERS (RRPM's) SHALL BE PLACED 25mm TO 50mm FROM THE PAINTED LINEMARKING AND ORIENTATED SO THAT FULL REFLECTIVE EFFECT IS ACHIEVED BY AIMING THE REFLECTIVE FACE IN THE DIRECTION OF APPROACHING TRAFFIC.
- 8. GENERALLY THE NORMAL SPACING BETWEEN RRPM's IS TO BE 12.0m U.N.O.
- 9. ANY EXISTING LINEMARKING NOT SHOWN ON THIS PLAN WHICH CONFLICTS OR IS INCOMPATIBLE WITH THE PROPOSED LINEMARKING SHALL BE REMOVED BY THE CONTRACTOR.
- 10. NOSE OF ISLANDS TO BE PAINTED WHITE WITH GLASS BEADS.
- 11. ALL STREET LIGHTING IN ACCORDANCE WITH AS1158.

ARROWS

- INTERSECTION ARROWS:
- 1. STRAIGHT AHEAD ARROWS - 6M.
  - 2. TURN ARROWS - 6M.
  - 3. HEAD TO HEAD SPACING GENERALLY 30M.

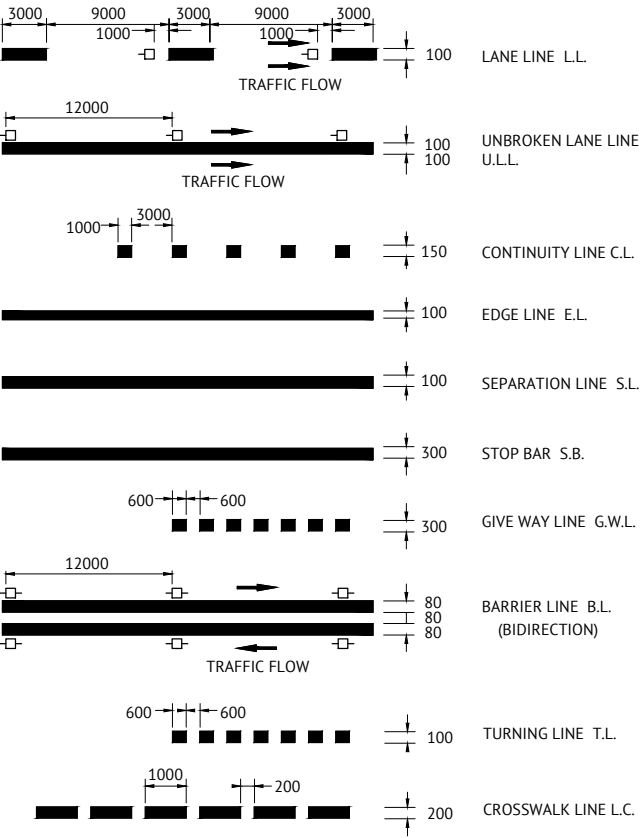
SIGNAGE NOTES

- 1. LOCATION OF SIGNS SHOWN INDICATED ON THIS PLAN ARE INDICATIVE ONLY. CARE AND CONSIDERATION IS TO BE GIVEN TO ON SITE CONDITIONS TO AVOID ANY VISUAL OBSTRUCTION OF THE SIGN ALONG THE INTENDED COURSE OF APPROACHING TRAFFIC. EXACT LOCATION OF ALL SIGNS SHALL BE CONFIRMED ON SITE PRIOR TO INSTALLATION.
- 2. SIGNS SHOULD BE ORIENTATED AT APPROXIMATELY RIGHT ANGLES TO, AND FACING THE TRAFFIC THEY ARE INTENDED TO SERVE.
- 3. SIGNAGE SHALL BE IN ACCORDANCE WITH:
  - AS1742 MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES
  - AS1743 ROAD SIGNS SPECIFICATION
  - AS4049.1 PAVEMENT MARKING MATERIALS
- 4. STREET NAME SIGNS ARE TO BE INSTALLED WITH THE RELEVANT HOUSE NUMBERS IN ACCORDANCE WITH THE RELEVANT LOCAL COUNCIL STANDARD DRAWINGS.

COLOURED SURFACE BICYCLE TREATMENT

- 1. COLOURED SURFACE TREATMENT FOR BICYCLE LANE TO BE COLOUR G13 EMERALD AS SPECIFIED IN AS2700.
- 2. TO ACCOMMODATE VARIATION OF MATERIALS/CONDITIONS APPROPRIATE COLOUR MATCH IS TO BE DETERMINED IN A ACCORDANCE WITH AS/NZ1580.601.1
- 3. COLOURING SHOULD BE CONSISTENT ALONG ROUTE.
- 4. WIDTH OF COLOURED SURFACE TREATMENT IS DEFINED BY WIDTH OF BICYCLE LANE FACILITIES.

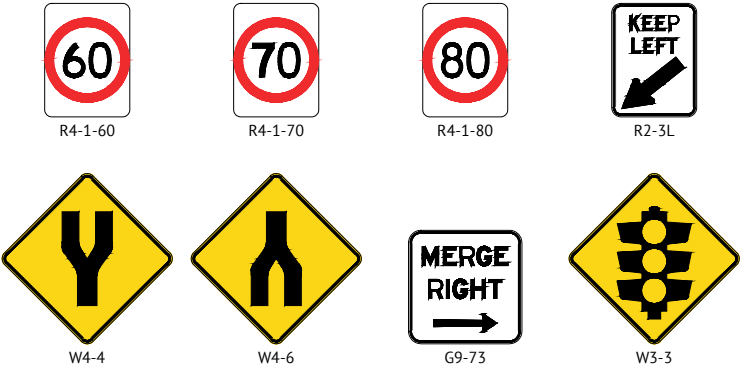
LINEMARKING LEGEND













SIGNAGE LEGEND

NEW SIGN

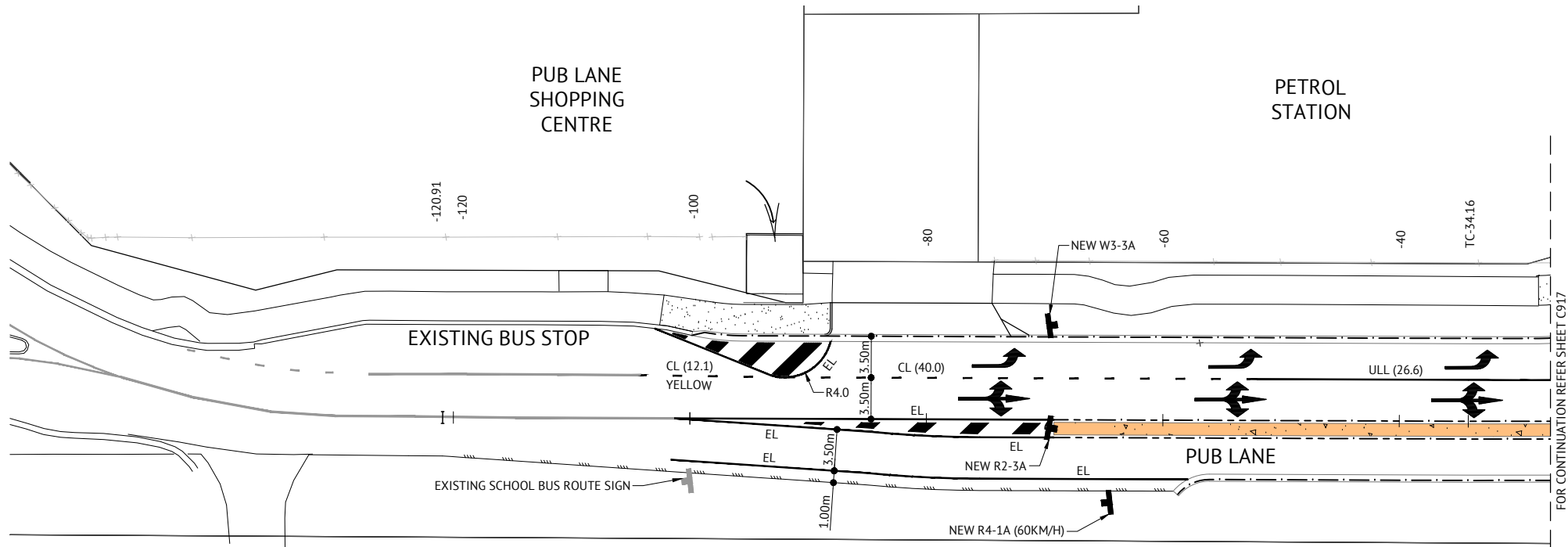
SIGNAGE LEGEND



27/06/18 CONSTRUCTION ISSUE

|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|--|---|---|---|-----------------|--|---|--|----------|----------|----------------|---------|---------|-----------------|---------|------------------|---|------|----------|---|--|------|--|------|----------|--|-----------|--|--|-------|---|--|--|--|--|--|--|--------|--------|--|--|---------|--|--|--|----------|------------------------|--|--|-------------|---|--|--|---|--|----------|-----------|--------------|------|-----|---|
|  |   |   | <br><b>Premise</b> |                 | <b>BRISBANE OFFICE</b><br>LEVEL 1, 100 BRUNSWICK STREET<br>PO BOX 361<br>FORTITUDE VALLEY, QLD 4006<br>PH: (07) 3253 2222<br>WEB: www.premise.com.au |   | <table><tr><td>DESIGNED</td><td>S.BROGAN</td></tr><tr><td>CHECKED</td><td>J.STONE</td></tr><tr><td>PROJECT MANAGER</td><td>J.STONE</td></tr><tr><td>PROJECT DIRECTOR</td><td><br/>JOSHUA STONE</td></tr><tr><td>DATE</td><td>07/06/18</td></tr></table> |          | DESIGNED | S.BROGAN       | CHECKED | J.STONE | PROJECT MANAGER | J.STONE | PROJECT DIRECTOR | <br>JOSHUA STONE | DATE | 07/06/18 | <table><tr><td>RPEQ</td><td><br/>KEITH HOWELLS</td><td>DATE</td><td>07/06/18</td></tr><tr><td></td><td>RPEQ 7295</td><td></td><td></td></tr><tr><td>SCALE</td><td colspan="3"><br/>SCALE 1:250 (A1)</td></tr></table> |  | RPEQ | <br>KEITH HOWELLS | DATE | 07/06/18 |  | RPEQ 7295 |  |  | SCALE | <br>SCALE 1:250 (A1) |  |  | <table><tr><td>CLIENT</td><td colspan="3">MIRVAC</td></tr><tr><td>PROJECT</td><td colspan="3">EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT</td></tr><tr><td>LOCATION</td><td colspan="3">TEVIOT ROAD, GREENBANK</td></tr><tr><td>SHEET TITLE</td><td colspan="3">LINEMARKING AND SIGNAGE PLAN SHEET 2 OF 3</td></tr></table> |  |  |  | CLIENT | MIRVAC |  |  | PROJECT | EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT |  |  | LOCATION | TEVIOT ROAD, GREENBANK |  |  | SHEET TITLE | LINEMARKING AND SIGNAGE PLAN SHEET 2 OF 3 |  |  | <table><tr><td>JOB CODE</td><td>MIR001-01</td></tr><tr><td>SHEET NUMBER</td><td>C918</td></tr><tr><td>REV</td><td>C</td></tr></table> |  | JOB CODE | MIR001-01 | SHEET NUMBER | C918 | REV | C |
| DESIGNED   | S.BROGAN  |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
| CHECKED  | J.STONE   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
| PROJECT MANAGER  | J.STONE   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
| PROJECT DIRECTOR   | <br>JOSHUA STONE     |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
| DATE   | 07/06/18  |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
| RPEQ   | <br>KEITH HOWELLS    | DATE  | 07/06/18  |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  | RPEQ 7295   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
| SCALE  | <br>SCALE 1:250 (A1) |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
| CLIENT   | MIRVAC  |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
| PROJECT  | EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT  |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
| LOCATION   | TEVIOT ROAD, GREENBANK  |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
| SHEET TITLE  | LINEMARKING AND SIGNAGE PLAN SHEET 2 OF 3   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
| JOB CODE   | MIR001-01   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
| SHEET NUMBER   | C918  |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
| REV  | C   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
| <table><tr><td>07/06/18</td><td>C</td><td>STOP LINE MOVED</td></tr><tr><td>13/11/17</td><td>B</td><td>GREEN PAINT ADDED, LEGEND AND NOTES REVISED</td></tr><tr><td>18/08/17</td><td>A</td><td>ORIGINAL ISSUE</td></tr><tr><td>DATE</td><td>REV</td><td>DESCRIPTION</td></tr></table> |   | 07/06/18                                    | C   | STOP LINE MOVED | 13/11/17   | B | GREEN PAINT ADDED, LEGEND AND NOTES REVISED  | 18/08/17 | A        | ORIGINAL ISSUE | DATE    | REV     | DESCRIPTION     |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
| 07/06/18   | C   | STOP LINE MOVED                             |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
| 13/11/17   | B   | GREEN PAINT ADDED, LEGEND AND NOTES REVISED |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
| 18/08/17   | A   | ORIGINAL ISSUE                              |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
| DATE   | REV   | DESCRIPTION                                 |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
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|  |   |   |   |                 |  |   |  |          |          |                |         |         |                 |         |                  |   |      |          |   |  |      |  |      |          |  |           |  |  |       |   |  |  |  |  |  |  |        |        |  |  |         |  |  |  |          |                        |  |  |             |   |  |  |   |  |          |           |              |      |     |   |
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**LINEMARKING NOTES**

- PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD, QUEENSLAND DEPARTMENT OF MAIN ROADS), TECHNICAL SPECIFICATION MRTS45 (QUEENSLAND DEPARTMENT OF MAIN ROADS) AND RELEVANT LOGAN CITY COUNCIL REQUIREMENTS.
- ALL INTERNAL LINE MARKING TO CONSIST OF LINES 100mm WIDE WITH 2 COATS OF PAINT TO MANUFACTURERS SPECIFICATIONS.
- EXTENT OF LINEMARKING SHALL BE VERIFIED ON SITE PRIOR TO INSTALLATION.
- ALL PAINTED MARKINGS SHALL BE APPROVED REFLECTORISED U.N.O.
- ANY EXISTING LINE MARKINGS DAMAGED BY THE PROPOSED WORKS ARE TO BE REINSTATED.
- EXISTING CONFLICTING LINE MARKINGS ARE TO BE PERMANENTLY REMOVED BY METHODS APPROVED BY THE DISTRICT ENGINEER.
- RETRO-REFLECTIVE RAISED PAVEMENT MARKERS (RRPM's) SHALL BE PLACED 25mm TO 50mm FROM THE PAINTED LINEMARKING AND ORIENTATED SO THAT FULL REFLECTIVE EFFECT IS ACHIEVED BY AIMING THE REFLECTIVE FACE IN THE DIRECTION OF APPROACHING TRAFFIC.
- GENERALLY THE NORMAL SPACING BETWEEN RRPM's IS TO BE 12.0m U.N.O.
- ANY EXISTING LINEMARKING NOT SHOWN ON THIS PLAN WHICH CONFLICTS OR IS INCOMPATIBLE WITH THE PROPOSED LINEMARKING SHALL BE REMOVED BY THE CONTRACTOR.
- NOSE OF ISLANDS TO BE PAINTED WHITE WITH GLASS BEADS.
- ALL STREET LIGHTING IN ACCORDANCE WITH AS1158.

**ARROWS**

- INTERSECTION ARROWS:
- STRAIGHT AHEAD ARROWS - 6M.
  - TURN ARROWS - 6M.
  - HEAD TO HEAD SPACING GENERALLY 30M.

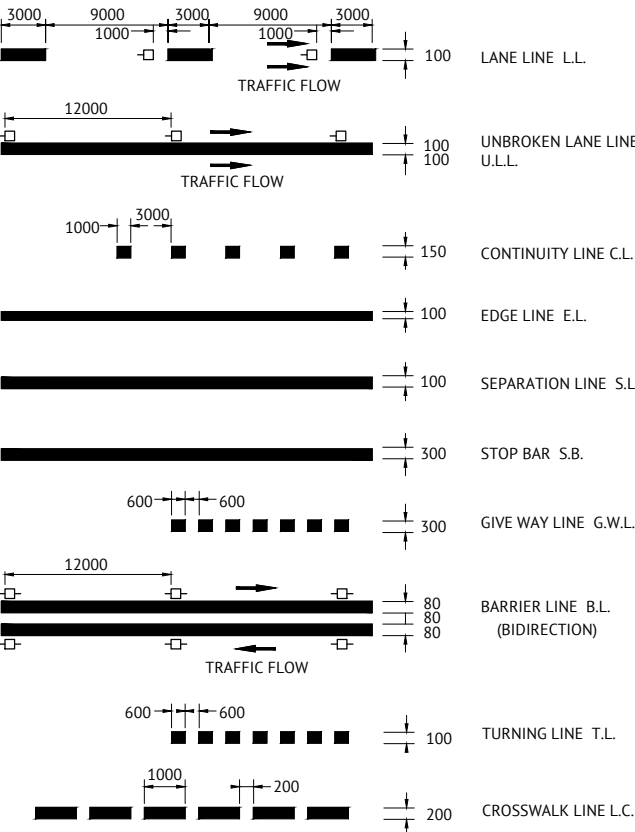
**SIGNAGE NOTES**

- LOCATION OF SIGNS SHOWN INDICATED ON THIS PLAN ARE INDICATIVE ONLY. CARE AND CONSIDERATION IS TO BE GIVEN TO ON SITE CONDITIONS TO AVOID ANY VISUAL OBSTRUCTION OF THE SIGN ALONG THE INTENDED COURSE OF APPROACHING TRAFFIC. EXACT LOCATION OF ALL SIGNS SHALL BE CONFIRMED ON SITE PRIOR TO INSTALLATION.
- SIGNS SHOULD BE ORIENTATED AT APPROXIMATELY RIGHT ANGLES TO, AND FACING THE TRAFFIC THEY ARE INTENDED TO SERVE.
- SIGNAGE SHALL BE IN ACCORDANCE WITH:
  - AS1742 MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES
  - AS1743 ROAD SIGNS SPECIFICATION
  - AS4049.1 PAVEMENT MARKING MATERIALS
- STREET NAME SIGNS ARE TO BE INSTALLED WITH THE RELEVANT HOUSE NUMBERS IN ACCORDANCE WITH THE RELEVANT LOCAL COUNCIL STANDARD DRAWINGS.

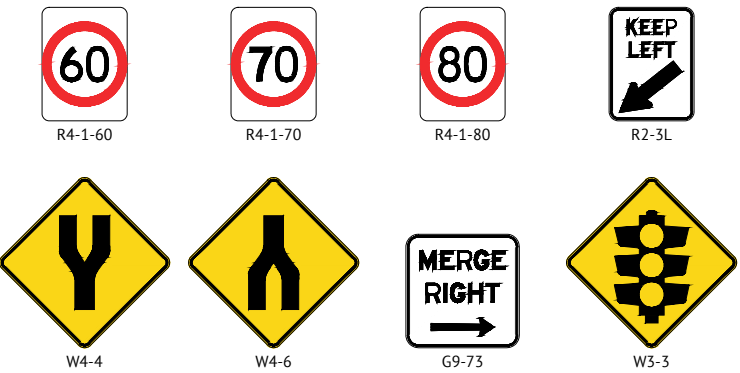
**SIGNAGE LEGEND**











NEW SIGN

**LINEMARKING LEGEND**



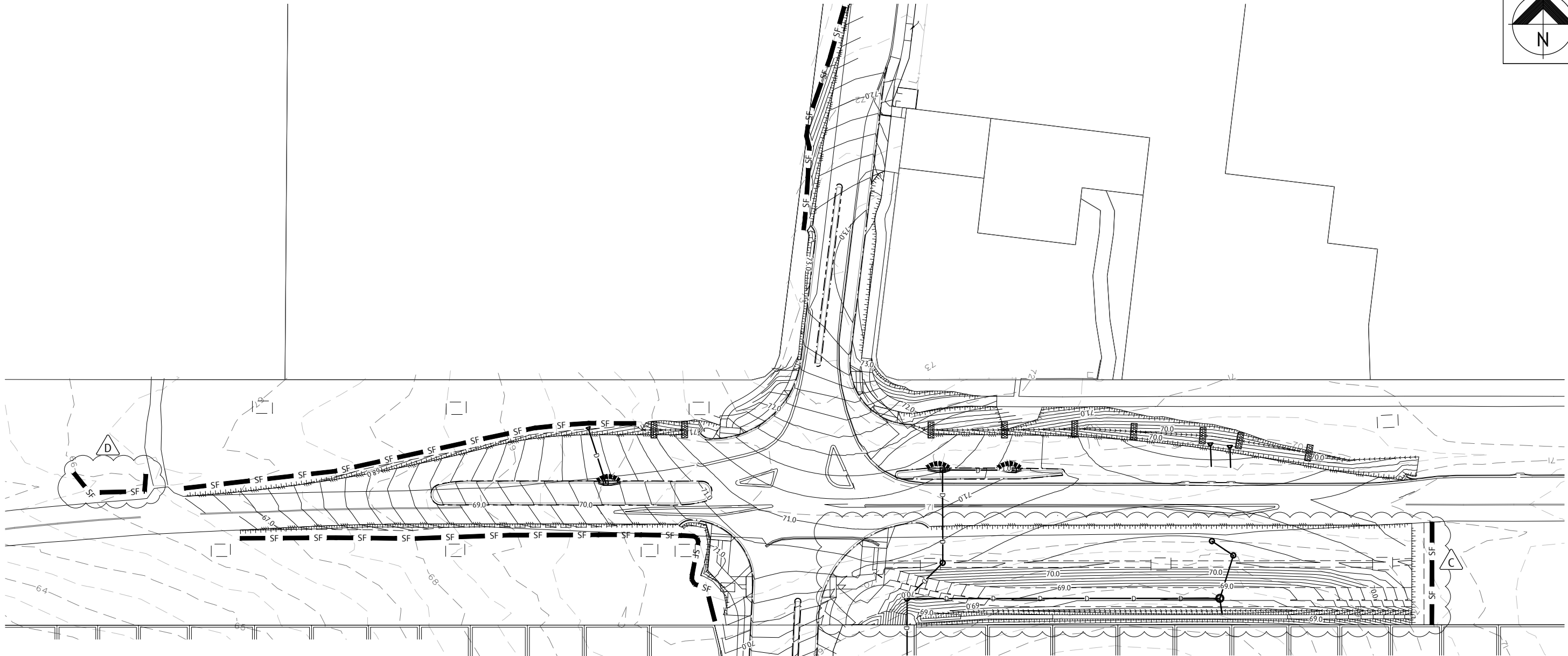
**SIGNAGE LEGEND**



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|   |   |   |  <div>BRISBANE OFFICE<br/>LEVEL 1, 100 BRUNSWICK STREET<br/>PO BOX 361<br/>FORTITUDE VALLEY, QLD 4006<br/>PH: (07) 3253 2222<br/>WEB: www.premise.com.au</div> |  | <table><tr><td>DESIGNED</td><td>S.BROGAN</td></tr><tr><td>CHECKED</td><td>J.STONE</td></tr><tr><td>PROJECT MANAGER</td><td>J.STONE</td></tr><tr><td>PROJECT DIRECTOR</td><td><br/>JOSHUA STONE</td></tr><tr><td>DATE</td><td>13/11/17</td></tr></table> |  | DESIGNED | S.BROGAN | CHECKED | J.STONE | PROJECT MANAGER | J.STONE | PROJECT DIRECTOR | <br>JOSHUA STONE | DATE | 13/11/17 | <table><tr><td>RPEQ</td><td>DATE</td></tr><tr><td></td><td>13/11/17</td></tr><tr><td>KEITH HOWELLS</td><td>RPEQ 7295</td></tr><tr><td>SCALE</td><td><br/>SCALE 1:250 (A1)</td></tr></table> |  | RPEQ | DATE |  | 13/11/17 | KEITH HOWELLS | RPEQ 7295 | SCALE | <br>SCALE 1:250 (A1) | <table><tr><td>CLIENT</td><td colspan="2">MIRVAC</td></tr><tr><td>PROJECT</td><td colspan="2">EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT</td></tr><tr><td>LOCATION</td><td colspan="2">TEVIOT ROAD, GREENBANK</td></tr><tr><td>SHEET TITLE</td><td colspan="2">LINEMARKING AND SIGNAGE PLAN SHEET 3 OF 3</td></tr></table> |  |  | CLIENT | MIRVAC |  | PROJECT | EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT |  | LOCATION | TEVIOT ROAD, GREENBANK |  | SHEET TITLE | LINEMARKING AND SIGNAGE PLAN SHEET 3 OF 3 |  | <table><tr><td>JOB CODE</td><td colspan="2">MIR001-01</td></tr><tr><td>SHEET NUMBER</td><td>C919</td><td>REV<br/>B</td></tr></table> |  | JOB CODE | MIR001-01 |  | SHEET NUMBER | C919 | REV<br>B |
| DESIGNED  | S.BROGAN  |   |   |  |  |  |          |          |         |         |                 |         |                  |   |      |          |   |  |      |      |   |          |               |           |       |   |  |  |  |        |        |  |         |  |  |          |                        |  |             |   |  |  |  |          |           |  |              |      |          |
| CHECKED   | J.STONE   |   |   |  |  |  |          |          |         |         |                 |         |                  |   |      |          |   |  |      |      |   |          |               |           |       |   |  |  |  |        |        |  |         |  |  |          |                        |  |             |   |  |  |  |          |           |  |              |      |          |
| PROJECT MANAGER   | J.STONE   |   |   |  |  |  |          |          |         |         |                 |         |                  |   |      |          |   |  |      |      |   |          |               |           |       |   |  |  |  |        |        |  |         |  |  |          |                        |  |             |   |  |  |  |          |           |  |              |      |          |
| PROJECT DIRECTOR  | <br>JOSHUA STONE     |   |   |  |  |  |          |          |         |         |                 |         |                  |   |      |          |   |  |      |      |   |          |               |           |       |   |  |  |  |        |        |  |         |  |  |          |                        |  |             |   |  |  |  |          |           |  |              |      |          |
| DATE  | 13/11/17  |   |   |  |  |  |          |          |         |         |                 |         |                  |   |      |          |   |  |      |      |   |          |               |           |       |   |  |  |  |        |        |  |         |  |  |          |                        |  |             |   |  |  |  |          |           |  |              |      |          |
| RPEQ  | DATE  |   |   |  |  |  |          |          |         |         |                 |         |                  |   |      |          |   |  |      |      |   |          |               |           |       |   |  |  |  |        |        |  |         |  |  |          |                        |  |             |   |  |  |  |          |           |  |              |      |          |
|  | 13/11/17  |   |   |  |  |  |          |          |         |         |                 |         |                  |   |      |          |   |  |      |      |   |          |               |           |       |   |  |  |  |        |        |  |         |  |  |          |                        |  |             |   |  |  |  |          |           |  |              |      |          |
| KEITH HOWELLS   | RPEQ 7295   |   |   |  |  |  |          |          |         |         |                 |         |                  |   |      |          |   |  |      |      |   |          |               |           |       |   |  |  |  |        |        |  |         |  |  |          |                        |  |             |   |  |  |  |          |           |  |              |      |          |
| SCALE   | <br>SCALE 1:250 (A1) |   |   |  |  |  |          |          |         |         |                 |         |                  |   |      |          |   |  |      |      |   |          |               |           |       |   |  |  |  |        |        |  |         |  |  |          |                        |  |             |   |  |  |  |          |           |  |              |      |          |
| CLIENT  | MIRVAC  |   |   |  |  |  |          |          |         |         |                 |         |                  |   |      |          |   |  |      |      |   |          |               |           |       |   |  |  |  |        |        |  |         |  |  |          |                        |  |             |   |  |  |  |          |           |  |              |      |          |
| PROJECT   | EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT  |   |   |  |  |  |          |          |         |         |                 |         |                  |   |      |          |   |  |      |      |   |          |               |           |       |   |  |  |  |        |        |  |         |  |  |          |                        |  |             |   |  |  |  |          |           |  |              |      |          |
| LOCATION  | TEVIOT ROAD, GREENBANK  |   |   |  |  |  |          |          |         |         |                 |         |                  |   |      |          |   |  |      |      |   |          |               |           |       |   |  |  |  |        |        |  |         |  |  |          |                        |  |             |   |  |  |  |          |           |  |              |      |          |
| SHEET TITLE   | LINEMARKING AND SIGNAGE PLAN SHEET 3 OF 3   |   |   |  |  |  |          |          |         |         |                 |         |                  |   |      |          |   |  |      |      |   |          |               |           |       |   |  |  |  |        |        |  |         |  |  |          |                        |  |             |   |  |  |  |          |           |  |              |      |          |
| JOB CODE  | MIR001-01   |   |   |  |  |  |          |          |         |         |                 |         |                  |   |      |          |   |  |      |      |   |          |               |           |       |   |  |  |  |        |        |  |         |  |  |          |                        |  |             |   |  |  |  |          |           |  |              |      |          |
| SHEET NUMBER  | C919  | REV<br>B                                    |   |  |  |  |          |          |         |         |                 |         |                  |   |      |          |   |  |      |      |   |          |               |           |       |   |  |  |  |        |        |  |         |  |  |          |                        |  |             |   |  |  |  |          |           |  |              |      |          |
| 13/11/17  | B   | GREEN PAINT ADDED, LEGEND AND NOTES REVISED | KH  |  |  |  |          |          |         |         |                 |         |                  |   |      |          |   |  |      |      |   |          |               |           |       |   |  |  |  |        |        |  |         |  |  |          |                        |  |             |   |  |  |  |          |           |  |              |      |          |
| 18/08/17  | A   | ORIGINAL ISSUE                              | KH  |  |  |  |          |          |         |         |                 |         |                  |   |      |          |   |  |      |      |   |          |               |           |       |   |  |  |  |        |        |  |         |  |  |          |                        |  |             |   |  |  |  |          |           |  |              |      |          |
| DATE  | REV   | DESCRIPTION                                 | RPEQ  |  |  |  |          |          |         |         |                 |         |                  |   |      |          |   |  |      |      |   |          |               |           |       |   |  |  |  |        |        |  |         |  |  |          |                        |  |             |   |  |  |  |          |           |  |              |      |          |
| REVISIONS   |   |   |   |  |  |  |          |          |         |         |                 |         |                  |   |      |          |   |  |      |      |   |          |               |           |       |   |  |  |  |        |        |  |         |  |  |          |                        |  |             |   |  |  |  |          |           |  |              |      |          |

27/06/18 CONSTRUCTION ISSUE





ROADWORKS LEGEND

- SF SEDIMENT FENCE IN ACCORDANCE WITH THE IECA STANDARD DRAWING SF-01 AND 02. ENSURE RETURNS ARE CONSTRUCTED EVERY 20m AND SPILL THROUGH WIERS ARE INSTALLED AT LOW POINTS.
- COIR LOG CHECK DAMS. TO REMAIN UNTIL LANDSCAPE STABILISATION.
- GULLY INLET SEDIMENT PROTECTION. "CATCH-IT" OR APPROVED EQUIVALENT TO BE INSTALLED TO ALL NEW GULLY PITS.
- 65.0 DESIGN CONTOURS (MAJOR)
- DESIGN CONTOURS (MINOR)
- STORMWATER DRAINAGE LINE
- EXISTING CONTOURS (MINOR)
- EXISTING CONTOURS (MINOR)

EROSION AND SEDIMENT CONTROL NOTES

- LOCATION AND LEVELS OF ALL EXISTING SERVICES TO BE CONFIRMED ON SITE BY CONTRACTOR PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- REFER EARTHWORKS DRAWINGS FOR ADDITIONAL NOTES.
- ALL TRENCHES, FOOTPATH EXCAVATIONS AND STOCKPILES TO BE PROTECTED BY TEMPORARY SEDIMENT FENCES UNTIL 80% GRASS COVERAGE IS ACHIEVED TO DISTURBED AREAS.
- EVERY PRECAUTION IS TO BE TAKEN TO PREVENT THE TRANSPORT OF SILT INTO THE NEWLY LAID STORMWATER PIPES THAT ARE CONNECTED TO THE DOWNSTREAM PIPE SYSTEMS, AND ANY EXISTING OPEN CHANNELS.
- THESE NOTES SHALL BE READ IN CONJUNCTION WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
- THE EROSION AND SEDIMENT CONTROL WORKS SHALL COMPLY WITH THE REQUIREMENTS OF THE LOCAL AUTHORITIES EROSION AND SEDIMENT CONTROL STANDARDS.
- THE CONTRACTOR SHALL TAKE ALL REASONABLE PRACTICABLE MEASURES TO:
  - ALL STORMWATER TO PASS THROUGH THE SITE IN A CONTROLLED MANNER AND AT NON EROSION FLOW VELOCITIES;
  - MINIMISE SOIL EROSION FROM WATER AND WIND;
  - MINIMISE ADVERSE EFFECTS OF SEDIMENT RUN-OFF;
  - MINIMISE OR PREVENT ENVIRONMENTAL HARM ASSOCIATED WITH DISCHARGES FROM THE SITE (E.G. THE EFFECTS OF SEDIMENTATION ON THE ENVIRONMENTAL VALUES OF RECEIVING WATERS); AND
  - ENSURE THAT THE VALUE AND USE OF RESIDENTIAL PROPERTIES ADJACENT TO THE DEVELOPMENT (SUCH AS DRAINAGE AND ROADS) ARE NOT DIMINISHED AS A RESULT OF THE MIGRATION OF SEDIMENT FROM THE DEVELOPMENT.
- THE CONTRACTOR SHALL APPOINT AN APPROPRIATELY EXPERIENCED PERSON TO BE MADE RESPONSIBLE FOR IMPLEMENTATION OF THE ESC.

- ALL ESC MEASURES SHALL BE INSPECTED:
  - AT LEAST DAILY (WHEN WORK IS OCCURRING ON SITE).
  - AT LEAST WEEKLY (WHEN WORK IS NOT OCCURRING ON SITE).
  - WITHIN 24 HOURS OF EXPECTED RAINFALL.
  - WITHIN 18 HOURS OF RAINFALL OCCURRING.
- MAINTENANCE OF ESC MEASURES SHALL OCCUR TO ENSURE THEY ARE OPERATING EFFICIENTLY AND IN ACCORDANCE WITH THE FOLLOWING SCHEDULE:

| ESC MEASURES | MAINTENANCE TRIGGER   | TIME FRAME FOR UNDERTAKING MAINTENANCE |
|--------------|---|--|
| ESC MEASURES | WHEN SETTLED SEDIMENT VOLUME EXCEEDS 25% OF THE CAPACITY OF THE ESC MEASURE | BY THE END OF THE DAY                  |

- INSTALL DIVERSION CATCH DRAINS UPSTREAM OF, AND SILT FENCE DOWNSTREAM OF, STOCKPILES.
- STOCKPILES ARE TO BE RELOCATED AWAY FROM EROSION HAZARD AREAS SUCH AS DRAINAGE LINES AND STEEP SLOPES.
- STOCKPILES ARE TO BE PROTECTED FROM EROSION BY THE WIND.
- ADEQUATE SUPPLIES OF EMERGENCY MAINTENANCE MATERIALS, INCLUDING (BUT NOT LIMITED TO) TIE WIRES, STAKES, FILTER CLOTH, WIRE MESH AND CLEAN GRAVEL SHOULD BE AVAILABLE ON SITE.
- ESC MAINTENANCE ACTIVITIES ARE TO BE RECORDED IN AN ON-SITE REGISTER. THE REGISTER IS TO BE MAINTAINED FOR THE DURATION OF THE WORKS AND IS TO BE MADE AVAILABLE TO THE SUPERINTENDENT.
- SUPPLEMENTARY ESC MEASURES SHALL BE DIRECTED BY THE SUPERINTENDENT.

SOIL EROSION AND SEDIMENT CONTROL PLAN

SCALE: 1:500 (m)

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| DATE     | REV | DESCRIPTION  | REVISIONS |
|----------|-----|--|-----------|
| 13/06/18 | D   | ADDED SEDIMENT FENCE                               | KH        |
| 21/12/17 | C   | REVISED ROAD BATTERS TO SUIT ULTIMATE ROAD PROFILE | KH        |
| 13/11/17 | B   | REVISED LAYOUT                                     | KH        |
| 18/08/17 | A   | ORIGINAL ISSUE                                     | KH        |



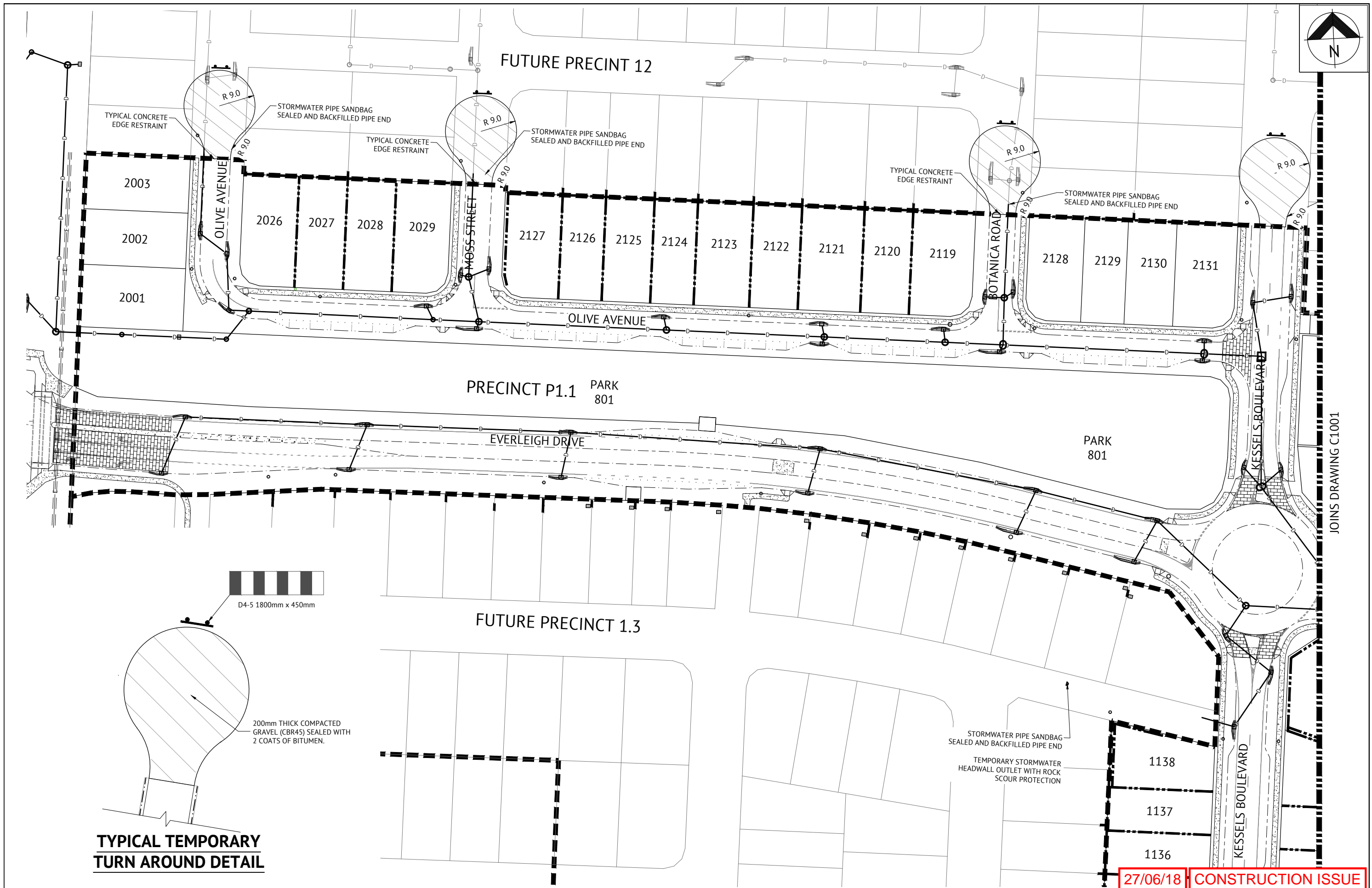
BRISBANE OFFICE  
LEVEL 1, 100 BRUNSWICK STREET  
PO BOX 361  
FORTITUDE VALLEY, QLD 4006  
PH: (07) 3253 2222  
WEB: www.premise.com.au

|                  |              |               |           |
|------------------|--------------|---------------|-----------|
| DESIGNED         | S.BROGAN     | RPEQ          | DATE      |
| CHECKED          | J.STONE      |               | 13/06/18  |
| PROJECT MANAGER  | J.STONE      | KEITH HOWELLS | RPEQ 7295 |
| PROJECT DIRECTOR |              | SCALE         | DATE      |
|                  | JOSHUA STONE |               | 13/06/18  |

|             |  |
|-------------|--|
| CLIENT      | MIRVAC   |
| PROJECT     | EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT |
| LOCATION    | TEVIOT ROAD, GREENBANK                         |
| SHEET TITLE | SOIL EROSION AND SEDIMENT CONTROL PLAN         |

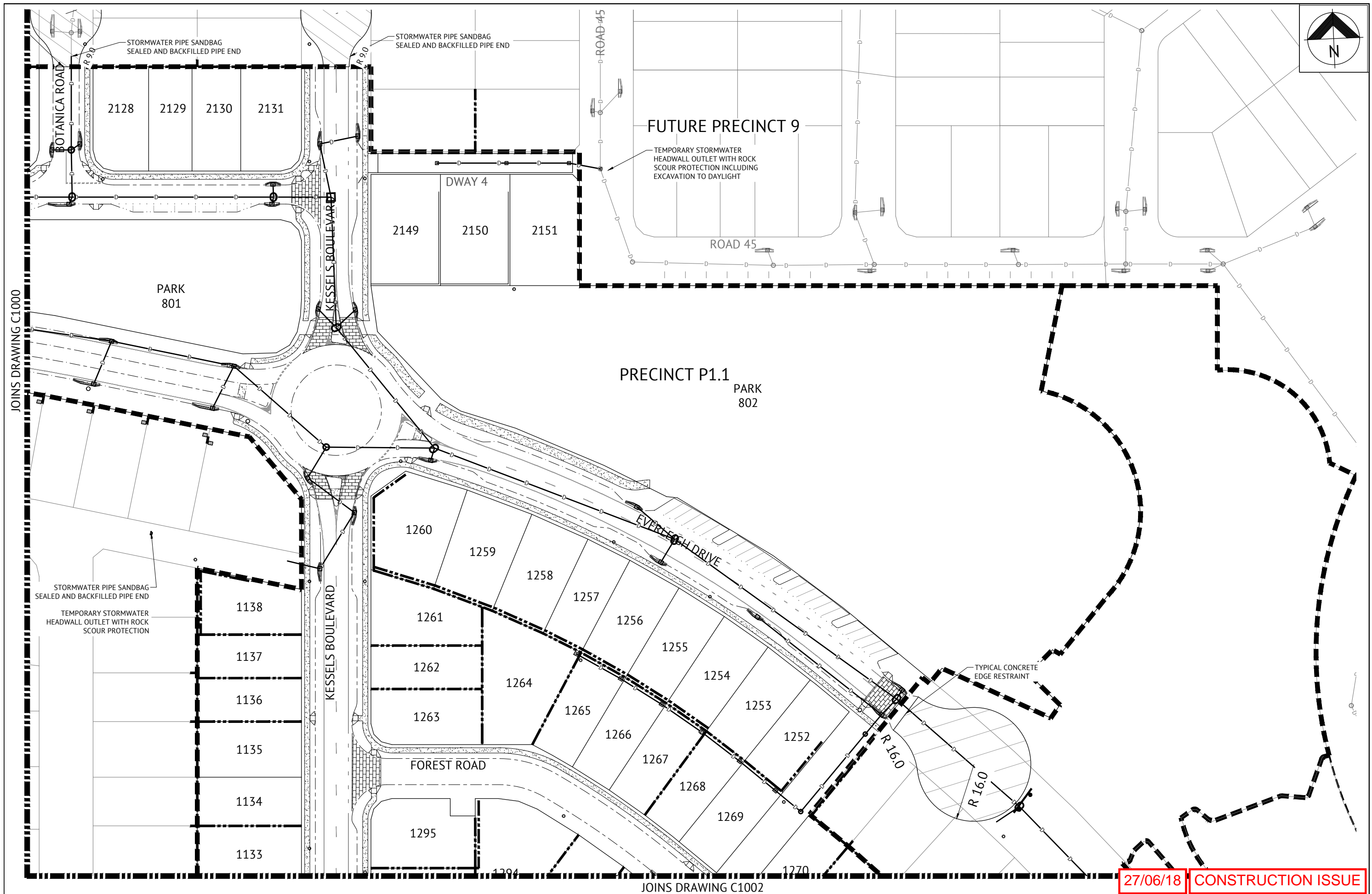
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| JOB CODE     | MIR001-01 |
| SHEET NUMBER | C920      |
| REV          | D         |








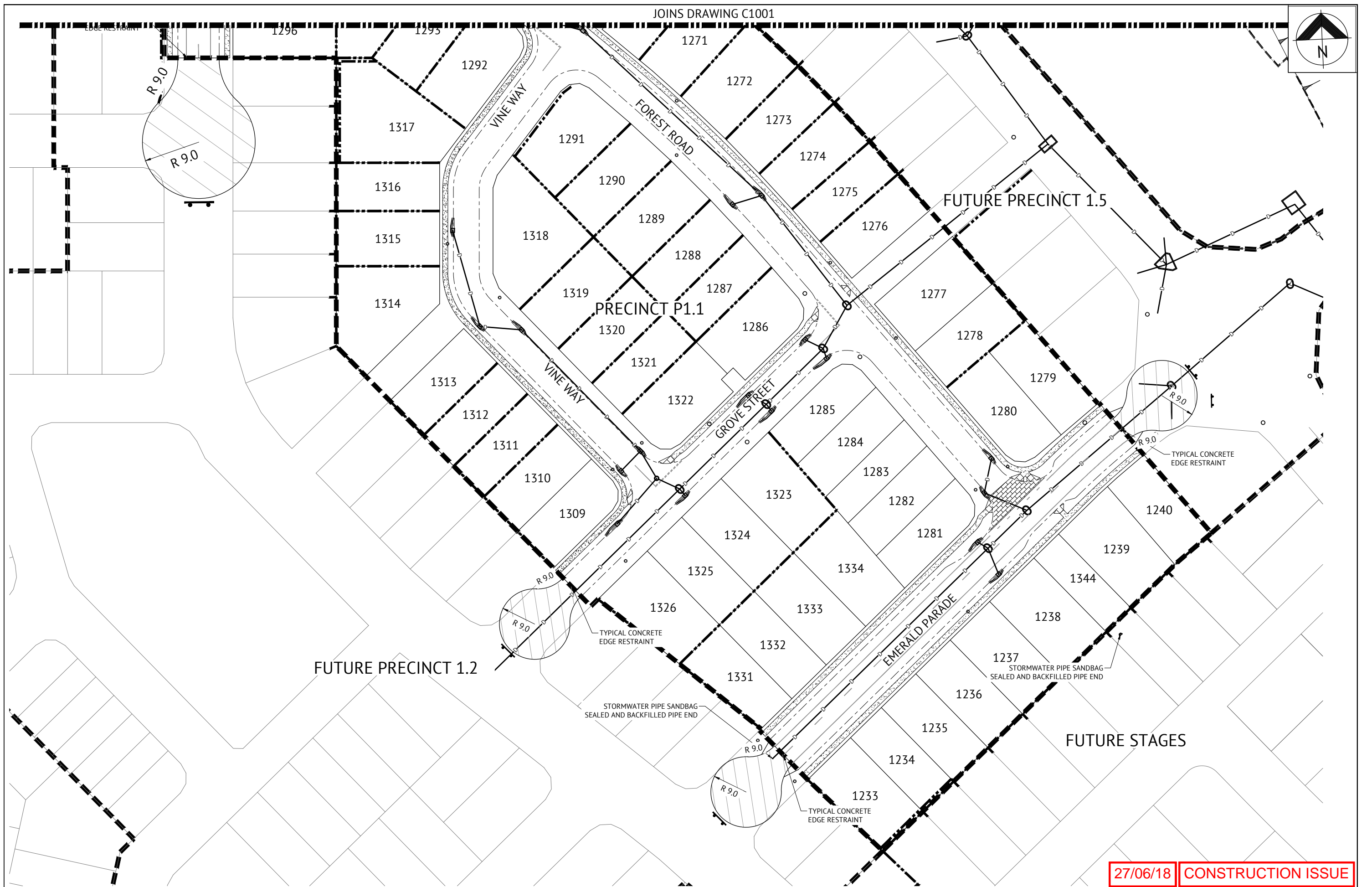
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| <div><div>10/11/17</div><div>10/11/17</div><div>DATE</div></div> <div><div>B</div><div>A</div><div>REV</div></div> <div><div>MINOR AMENDMENTS</div><div>ORIGINAL ISSUE</div><div>DESCRIPTION</div></div> |  |  | <div><div>KH</div><div>KH</div><div>RPEQ</div></div> <div><div>REVISIONS</div></div> |  |  | <div><div></div><div><b>BRISBANE OFFICE</b></div><div>LEVEL 1, 100 BRUNSWICK STREET</div><div>PO BOX 361</div><div>FORTITUDE VALLEY, QLD 4006</div><div>PH: (07) 3253 2222</div><div>WEB: www.premise.com.au</div></div> |  |  | <div><div>DESIGNED</div><div>CHECKED</div><div>PROJECT MANAGER</div><div>PROJECT DIRECTOR</div></div> <div><div>MM</div><div>JS</div><div>JS</div><div></div></div> <div><div></div><div></div><div></div><div>DATE</div></div> <div><div></div><div></div><div></div><div>10/11/17</div></div> |  |  | <div><div>RPEQ</div><div>10/11/17</div><div>DATE</div></div> <div><div></div><div>10/11/17</div><div>DATE</div></div> <div><div>SCALE</div><div>0 10 20 30m</div><div>SCALE 1:500 (A1)</div></div> |  |  | <div><div>CLIENT</div><div>PROJECT</div><div>LOCATION</div><div>SHEET TITLE</div></div> <div><div>MIRVAC</div><div>EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT</div><div>TEVIOT ROAD, GREENBANK</div><div>TEMPORARY WORKS - ROADWORKS AND DRAINAGE</div></div> |  |  | <div><div>JOB CODE</div><div>SHEET NUMBER</div><div>REV</div></div> <div><div>MIR001-01</div><div>C1000</div><div>B</div></div> |  |  |
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| <div>10/11/17<br/>10/11/17<br/>DATE</div> <div>B<br/>A<br/>REV</div> <div>MINOR AMENDMENTS<br/>ORIGINAL ISSUE<br/>DESCRIPTION</div> |  | <div>KH<br/>KH<br/>RPEQ</div> <div><b>Premise</b></div> <div>BRISBANE OFFICE<br/>LEVEL 1, 100 BRUNSWICK STREET<br/>PO BOX 361<br/>FORTITUDE VALLEY, QLD 4006<br/>PH: (07) 3253 2222<br/>WEB: www.premise.com.au</div> | <div>DESIGNED MM<br/>CHECKED JS<br/>PROJECT MANAGER JS<br/>PROJECT DIRECTOR </div> <div>DATE 10/11/17</div> <div>JO SHUA STONE</div> | <div>RPEQ  DATE 10/11/17<br/>ADAM HOWELLS RPEQ 7295</div> <div>SCALE<br/>0 10 20 30m<br/>SCALE 1:500 (A1)</div> | <div>CLIENT MIRVAC</div> <div>PROJECT EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT</div> <div>LOCATION TEVIOT ROAD, GREENBANK</div> <div>SHEET TITLE TEMPORARY WORKS - ROADWORKS AND DRAINAGE</div> | <div>JOB CODE</div> <div>MIR001-01</div> <div>SHEET NUMBER<br/>C1001</div> <div>REV<br/>B</div> |
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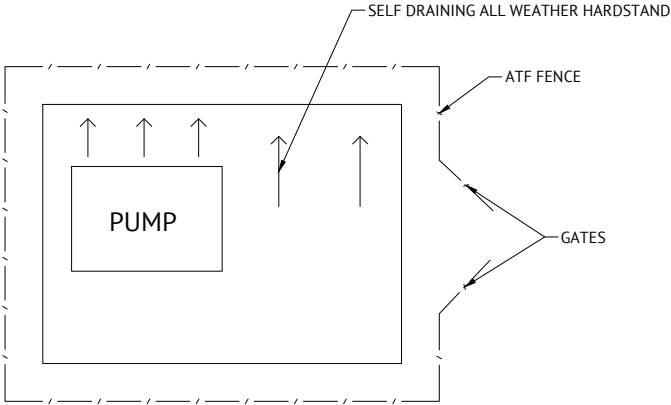
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| 10/11/17<br>10/11/17<br>DATE<br>REV<br>DESCRIPTION<br>REVISIONS |  |  |  | KH<br>KH<br>RPEQ |  | Premise |  | BRISBANE OFFICE<br>LEVEL 1, 100 BRUNSWICK STREET<br>PO BOX 361<br>FORTITUDE VALLEY, QLD 4006<br>PH: (07) 3253 2222<br>WEB: www.premise.com.au |  | DESIGNED MM<br>CHECKED JS<br>PROJECT MANAGER JS<br>PROJECT DIRECTOR<br>DATE 10/11/17 |  | RPEQ<br>K. Howells<br>NORTH WELLS<br>RPEQ 7295<br>SCALE<br>0 10 20 30m<br>SCALE 1:500 (A1) |  | CLIENT<br>MIRVAC |  | PROJECT<br>EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT |  | LOCATION<br>TEVIOT ROAD, GREENBANK |  | SHEET TITLE<br>TEMPORARY WORKS - ROADWORKS AND DRAINAGE |  | JOB CODE<br>MIR001-01 |  | SHEET NUMBER<br>C1002 |  | REV<br>B |  |
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- NOTES:**
1. USE DAM 1 ONLY.
  2. USE CONSTRUCTION WATER DAM WHEN WATER IS AVAILABLE.
  3. REFER TO SEDIMENT AND EROSION CONTROL DRAWINGS FOR DRAINS TO CONSTRUCTION WATER DAM ON SITE.
  4. INTENT OF THE WATER RE-USE STRATEGY SHOWN ON THIS PLAN IS TO CAPTURE ALL STORMWATER FROM SITE IN THE EXISTING DAMS AND THE CONSTRUCTION WATER HOLDING DAM FOR RE-USE BY CONTRACTOR FOR ANY RELEVANT SITE AND CONSTRUCTION ACTIVITIES.

- LEGEND**
- WATER PUMP COMPOUND LOCATION. PROVIDE HARDSTAND WITH HIGH FLOW AND LOW FLOW PUMPING ARRANGEMENT INCLUDING ALL ASSOCIATED HARDWARE FOR DRAWING FROM ADJACENT WATER SOURCE. ARRANGEMENT TO BE SUITABLE FOR ALL WATER TRUCK TYPES.
  - ALL WEATHER ACCESS TRACK
  - EXTENT OF CUT
  - EXTENT OF FILL
  - EXISTING FARM DAM



WATER PUMP COMPOUND  
TYPICAL DETAIL  
N.T.S

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|                  |  |  |   |  |  |  |  |  |  |  |  |
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| 06/10/17<br>DATE |  |  | A<br>REV  |  |  | ORIGINAL ISSUE   |  |  | KH<br>RPEQ   |  |  |
|                  |  |  |   |  |  | REVISIONS  |  |  |  |  |  |
|                  |  |  | BRISBANE OFFICE<br>LEVEL 1, 100 BRUNSWICK STREET<br>PO BOX 361<br>FORTITUDE VALLEY, QLD 4006<br>PH: (07) 3253 2222<br>WEB: www.premise.com.au |  |  | DESIGNED MM<br>CHECKED JS<br>PROJECT MANAGER JS<br>PROJECT DIRECTOR<br>DATE 06/10/17 |  |  | RPEQ<br>K. Howells<br>NATHAN HOWELLS<br>SCALE<br>0 40 80 120m<br>SCALE 1:2000 (A1) |  |  |
|                  |  |  |   |  |  | CLIENT<br>MIRVAC   |  |  | PROJECT<br>EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT                          |  |  |
|                  |  |  |   |  |  | LOCATION<br>TEVIOT ROAD, GREENBANK   |  |  | SHEET TITLE<br>TEMPORARY WORKS - WATER RE-USE DETAILS                              |  |  |
|                  |  |  |   |  |  | JOB CODE<br>MIR001-01  |  |  | SHEET NUMBER<br>C1003  |  |  |
|                  |  |  |   |  |  |  |  |  | REV<br>A   |  |  |



GENERAL:

- G.1.

CONSTRUCTION METHODS ARE THE RESPONSIBILITY OF THE BUILDER. DETAILS SHOWN ARE A GUIDE AND ALTERNATE DETAILS MAY BE SUBMITTED FOR ENGINEERING APPROVAL, PRIOR TO WORKS COMMENCING
- G.5.

MAINTAIN THE STRUCTURE IN A STABLE CONDITION DURING CONSTRUCTION.
- G.6.

DO NOT OVERSTRESS ANY PART OF THE MEMBERS DURING FABRICATION, TRANSPORTATION OR ERECTION.
- G.7.

PROPRIETARY ITEMS ARE TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION AND DESIGN DETAILS.
- G.8.

IT IS THE RESPONSIBILITY OF THE BUILDER TO MAKE GOOD ANY DAMAGE CAUSED TO ADJOINING STRUCTURES OR ELEMENTS CREATED DURING CONSTRUCTION.

SERVICE LOADS:

- SL.1.

STRUCTURAL WORK HAS BEEN DESIGNED FOR THE FOLLOWING LOADS:  
- PERMANENT DEAD LOAD OF STRUCTURE AS SHOWN ON DRAWINGS  
- LIVE LOADS TO AS/NSZ5100.2: 80 kN (W80 WHEEL LOAD)  
- IMPOSED SURCHARGE LOAD ON GROUND: 20 kPa  
- SOIL DENSITY: 20 kN/m³ (HEIGHT OF SOIL OVER ROOF SLAB = 0.5m MAX.)  
- AT REST LATERAL EARTH PRESSURE COEFFICIENT ko: 0.5
- SL.2.

THE ABOVE DO NOT INCLUDE LOADS WHICH MAY BE APPLIED DURING CONSTRUCTION.

SITE PREPARATION AND FOUNDATIONS:

- P.1.

REFER TO GEOTECHNICAL INVESTIGATIONS PREPARED BY MORRISON GEOTECHNIC
- P.2.

NO GEOTECHNICAL INVESTIGATION HAS BEEN COMPLETED. BUILDER TO CONFIRM SITE CLASSIFICATION AND INSITU MATERIAL PROPERTIES PRIOR TO POURING FOUNDATIONS.
- P.3.

GEOTECHNICAL ENGINEER SHALL BE ENGAGED, AT THE BUILDER'S EXPENSE TO CERTIFY THAT THE ALLOWABLE BEARING PRESSURE HAS BEEN ACHIEVED IN THE BASE OF ALL FOOTINGS. GEOTECHNICAL ENGINEER'S CERTIFICATE SHALL BE SUBMITTED TO STRUCTURAL ENGINEER PRIOR TO PLACEMENT OF 50mm BLINDING LAYER AND /OR REINFORCEMENT.
- P.4.

EARTHWORKS SHALL BE IN ACCORDANCE WITH AS 3798 INCLUDING THE FOLLOWING.
- P.5.

THE BUILDING SITE SHALL BE STRIPPED OF ALL VEGETABLE MATTER AND THE ASSOCIATED LAYER OF TOPSOIL.
- P.6.

FOUNDATIONS HAVE BEEN DESIGNED FOR A SAFE BEARING CAPACITY OF 100 kPa. IT IS THE RESPONSIBILITY OF THE BUILDER TO DETERMINE FINAL BEARING PRESSURE ON SITE, UPON EXCAVATION.
- P.7.

THE TOP 150mm OF SUBGRADE (UNDER FOUNDATIONS, FOOTINGS AND SLABS) SHALL BE COMPACTED TO A DENSITY OF NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED IN ACCORDANCE WITH METHOD 5.1.1 OF AS 1289 (STANDARD COMPACTION).
- P.8.

FILL MATERIAL SHALL BE SAND FILL OR OTHER APPROVED GRANULAR MATERIAL AND SHALL BE PLACED IN LAYERS NOT EXCEEDING 150mm IN THICKNESS. FILL SHALL BE COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY AS PER ABOVE. FOR COHESIONLESS FILL WITH LESS THAN 5% PASSING THE 75 MICRON SIEVE, THE MATERIAL SHALL BE COMPACTED TO 70% DENSITY INDEX IN ACCORDANCE WITH AS 1289 TEST E6.1.
- P.9.

TO AVOID SWELLING OF FOUNDATIONS AND SLAB MOVEMENTS, THE AREA AROUND THE SLAB SHALL BE EFFECTIVELY DRAINED, BOTH BEFORE AND AFTER CONSTRUCTION, TO ENSURE NO PONDING OF WATER ON OR ADJACENT TO THE SLAB AREA. SPOON DRAINS SHALL BE PROVIDED AS REQUIRED TO FACILITATE DRAINAGE ADJACENT TO THE SLAB AND AT THE TOPS OF BANKS.
- P.10.

ALL SLABS SHALL BE CAST ON A MINIMUM THICKNESS OF 50mm OF BEDDING SAND.
- P.11.

A MOISTURE BARRIER OF 0.2mm POLYETHYLENE FILM LAPPED 200mm AND TAPED AT JOINTS SHALL BE PROVIDED UNDER THE SLAB.

CONCRETE:

- C.1.

ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS2870 AND AS3600.
- C.2.

CONCRETE SHALL HAVE THE FOLLOWING PROPERTIES SEE TABLE BELOW:

| CONCRETE TABLE           |       |                          |                             |                    |                |
|--------------------------|-------|--------------------------|-----------------------------|--------------------|----------------|
| ELEMENT                  | CLASS | CLASS & GRADE (CONCRETE) | CLEAR COVER TO REINF'T (mm) | MAX AGG. SIZE (mm) | MAX SLUMP (mm) |
| STORMWATER PIT WALLS     | B1    | N32                      | 40                          | 20                 | 80             |
| STORMWATER PIT BASE      | B1    | N32                      | 40                          | 20                 | 80             |
| STORMWATER PIT ROOF SLAB | A2    | N32                      | 40                          | 20                 | 80             |

- C.3.

SPLICES IN REINFORCEMENT MUST BE MADE ONLY IN POSITIONS SHOWN ON THE STRUCTURAL DRAWINGS OR IN POSITIONS OTHERWISE APPROVED IN WRITING BY THE SUPERINTENDENT, LAPS MUST BE IN ACCORDANCE WITH AS 3600 AND NOT LESS THAN THE DEVELOPMENT LENGTH FOR EACH BAR.
- C.4.

SPLICES IN MESH: THE OUTERMOST TRANSVERSE WIRES MUST BE OVERLAPPED BY AT LEAST THE SPACING OF THE TRANSVERSE WIRES PLUS 50mm.
- C.5.

WELDING OF REINFORCEMENT IS NOT PERMITTED U.N.O. ON THE STRUCTURAL DRAWINGS OR APPROVED BY THE SUPERINTENDENT.
- C.6.

CURING OF ALL CONCRETE MUST BE ACHIEVED BY KEEPING SURFACES CONTINUOUSLY WET FOR A PERIOD OF 7 DAYS U.N.O. IN ACCORDANCE WITH AS 3600. APPROVED SPRAY-ON CURING COMPOUNDS THAT COMPLY WITH AS 3799 MAY BE USED WHERE FLOOR FINISHES WILL NOT BE AFFECTED. POLYTHENE SHEETING OR WET HESSAIN MAY BE USED TO RETAIN CONCRETE MOISTURE WHERE PROTECTED FROM THE WIND AND TRAFFIC. CURING MUST COMMENCE IMMEDIATELY AFTER CONCRETE PLACEMENT.

REINFORCEMENT:

- R.1.

SYMBOLS ON DRAWINGS FOR GRADE AND TYPE OF REINFORCEMENT ARE AS FOLLOWS:  
R.1.1. R: DENOTES STRUCTURAL GRADE 250 PLAIN ROUND BAR TO AS4671  
R.1.2. N: DENOTES HOT ROLLED GRADE 500 DEFORMED BAR DUCTILITY CLASS N TO AS4671  
R.1.3. L: DENOTES HARD DRAWN WIRE GRADE 500 SQUARE REINFORCING MESH DUCTILITY CLASS L TO AS4671  
R.1.4. RL: DENOTES HARD DRAWN WIRE GRADE 500 RECTANGULAR REINFORCING MESH DUCTILITY CLASS L TO AS4671
- R.2.

ALL N BARS TO BE GRADE 500.
- R.3.

FOLLOWING ABBREVIATIONS APPLY TO LOCATION OF REINFORCEMENT:  
EW: EACH WAY FF: FAR FACE BB: BOTTOM BOTTOM (LAID FIRST)  
EF: EACH FACE B: BOTTOM TT: TOP TOP (LAID LAST)  
NF: NEAR FACE T: TOP CP: CENTRALLY PLACED
- R.4.

CLEAR COVER TO REINFORCEMENT SHALL BE PROVIDED BY APPROVED CHAIRS, SPACERS OR TIES AS REQUIRED TO PROVIDE ADEQUATE SUPPORT AS FOLLOWS:  
R.4.1. BARS 16mm AND LESS AND FABRIC - 1000mm CENTERS  
R.4.2. BARS 20mm AND OVER 1200mm CENTERS
- R.5.

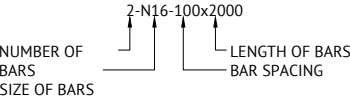
USE MESH SUPPLIED IN FLAT SHEETS UNLESS APPROVED OTHERWISE.
- R.6.

WELDING AND BENDING OF REINFORCEMENT IS NOT PERMITTED UNLESS SHOWN ON THE DRAWINGS OR APPROVED BY ENGINEER.

REINFORCEMENT NOMINATIONS:

- RN.7.

NOMINATION CALL OUT DESCRIPTION:





- RN.8.

LAP LENGTHS TO COMPLY WITH AS3600, OR FOR SLAB AND WALL REINFORCEMENT WITH BARS AT > 150mm CENTRES WITH THE FOLLOWING UNO: REFER TO TABLE BELOW:

| REINFORCEMENT LAP TABLE                                      |     |                              |     |      |      |      |
|--|-----|------------------------------|-----|------|------|------|
| LOCATION   | F'C | BAR SIZE AND LAP LENGTH (mm) |     |      |      |      |
|  |     | N12                          | N16 | N20  | N24  | N28  |
| HORIZONTAL BARS WITH ≤ 300mm CONCRETE BELOW                  | 25  | 500                          | 675 | 1000 | 1300 | 1600 |
|  | 32  | 450                          | 625 | 875  | 1175 | 1400 |
|  | 40+ | 450                          | 600 | 775  | 1050 | 1250 |
| HORIZONTAL BARS WITH > 300mm CONCRETE BELOW BAR & VERT. BARS | 25  | 650                          | 875 | 1300 | 1700 | 2050 |
|  | 32  | 575                          | 775 | 1175 | 1525 | 1850 |
|  | 40+ | 575                          | 775 | 1000 | 1350 | 1650 |

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|          |   |                |    |      |   |   |          |              |  |                 |             |                  |       |                             |           |          |  |          |           |  |              |     |  |
|----------|---|----------------|----|------|---|---|----------|--------------|--|-----------------|-------------|------------------|-------|-----------------------------|-----------|----------|--|----------|-----------|--|--------------|-----|--|
| 26/10/17 | A | ORIGINAL ISSUE | BL | RPEQ | <br><b>Premise</b> | BRISBANE OFFICE<br>LEVEL 1, 100 BRUNSWICK STREET<br>PO BOX 361<br>FORTITUDE VALLEY, QLD 4006<br>PH: (07) 3253 2222<br>WEB: <a href="http://www.premise.com.au">www.premise.com.au</a> | DESIGNED | KK           | <br>BEN LANCINI | RPEQ            | DATE        | 26/10/17         | SCALE | CLIENT                      |           | MIRVAC   |  | JOB CODE | MIR001-01 |  |              |     |  |
|          |   |                |    |      |   |   | CHECKED  | BL           |  | PROJECT MANAGER | JS          | PROJECT DIRECTOR |       | DATE                        | 26/10/17  | PROJECT  | EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT |          |           |  | SHEET NUMBER | REV |  |
|          |   |                |    |      |   |   | DATE     | REV          |  |                 | DESCRIPTION |                  |       |                             | REVISIONS | LICATION | TEVIOT ROAD, GREENBANK                         |          |           |  | S001         | A   |  |
|          |   |                |    |      |   |   |          | JOSHUA STONE |  |                 |             | SHEET TITLE      |       | STORMWATER STRUCTURAL NOTES |           |          |  |          |           |  |              |     |  |



BRISBANE OFFICE

LEVEL 1, 100 BRUNSWICK STREET

PO BOX 361

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PH: (07) 3253 2222

WEB: www.premise.com.au

DESIGNED KK

CHECKED BL

PROJECT MANAGER JS

PROJECT DIRECTOR

DATE 26/10/17

JOSHUA STONE

RPEQ

DATE 26/10/17

BEN LANCINI

RPEQ 16031

SCALE

CLIENT MIRVAC

PROJECT EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT

LOCATION TEVIOT ROAD, GREENBANK

SHEET TITLE STORMWATER STRUCTURAL NOTES

JOB CODE

MIR001-01

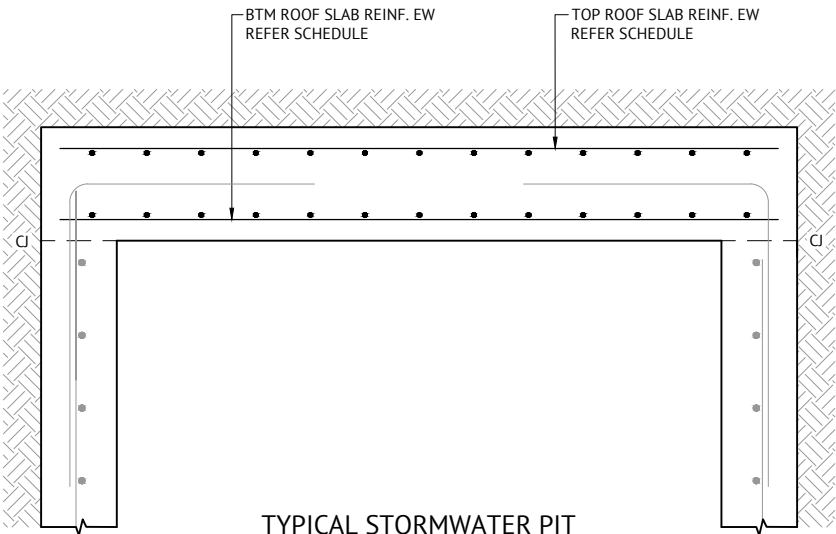
SHEET NUMBER

S001

REV

A





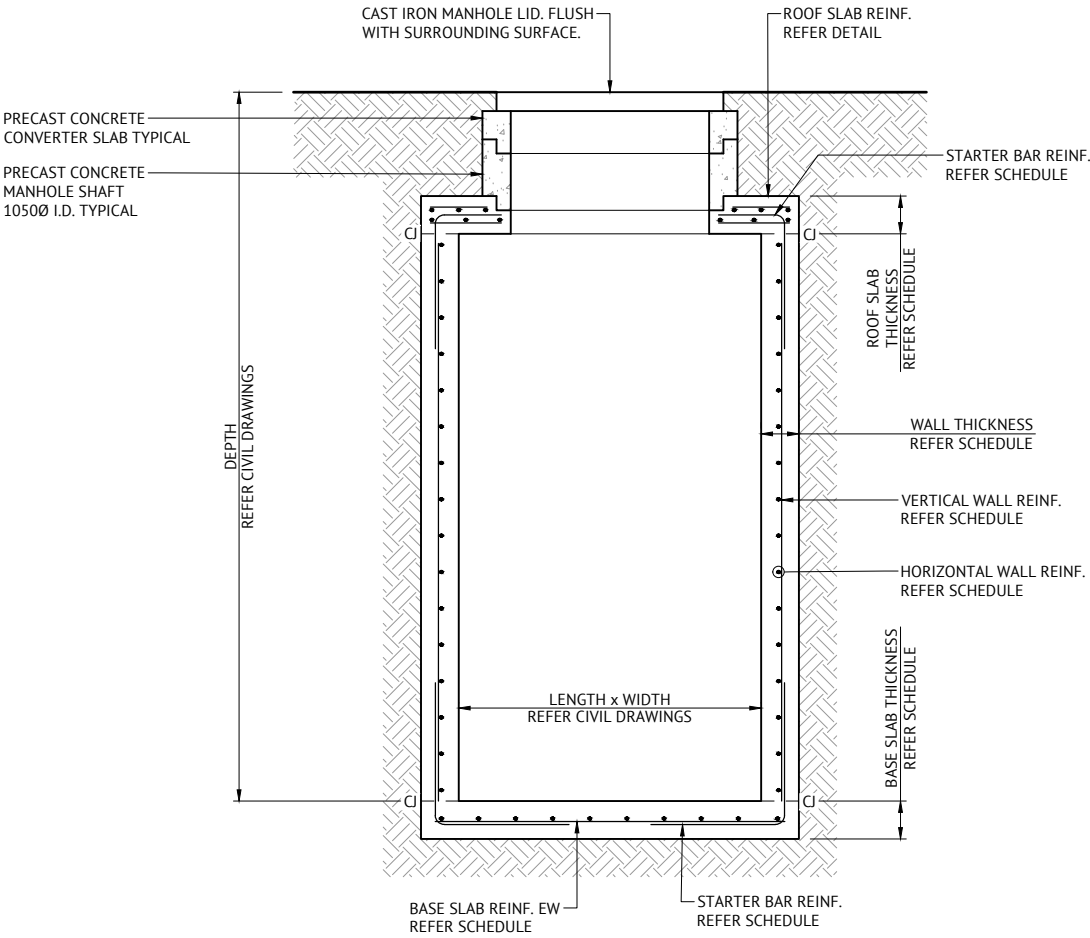
TYPICAL STORMWATER PIT  
ROOF SLAB REINFORCEMENT

SCALE 1:10

| PIT SCHEDULE |   |            |       |           |               |              |                    |                      |                  |                     |
|--------------|---|------------|-------|-----------|---------------|--------------|--------------------|----------------------|------------------|---------------------|
| PIT MARK     | REINFORCEMENT ARRANGEMENT<br>(WALLS / BASE) | DIMENSIONS |       |           | REINFORCEMENT |              |                    |                      |                  |                     |
|              |   | BASE SLAB  | WALLS | ROOF SLAB | BASE SLAB     | STARTER BARS | WALL<br>(VERTICAL) | WALL<br>(HORIZONTAL) | ROOF SLAB<br>TOP | ROOF SLAB<br>BOTTOM |
| 14/001       | SINGLE/SINGLE                               | 200        | 200   | 200       | N12-200 EW    | N12 - 200    | N12-200            | N12-200              | SL81             | N12-200             |
| 21/001       | DOUBLE/DOUBLE                               | 200        | 200   | 200       | N16-200 EW EF | N16 - 200    | N16-200            | N16-200              | SL81             | N12-200             |
| 22/001       | DOUBLE/DOUBLE                               | 200        | 200   | 200       | N16-200 EW EF | N16 - 200    | N16-200            | N16-200              | SL81             | N16-200             |
| 23/001       | SINGLE/SINGLE                               | 200        | 200   | 300       | N16-200 EW    | N16 - 200    | N16-200            | N16-200              | SL81             | N16-200             |

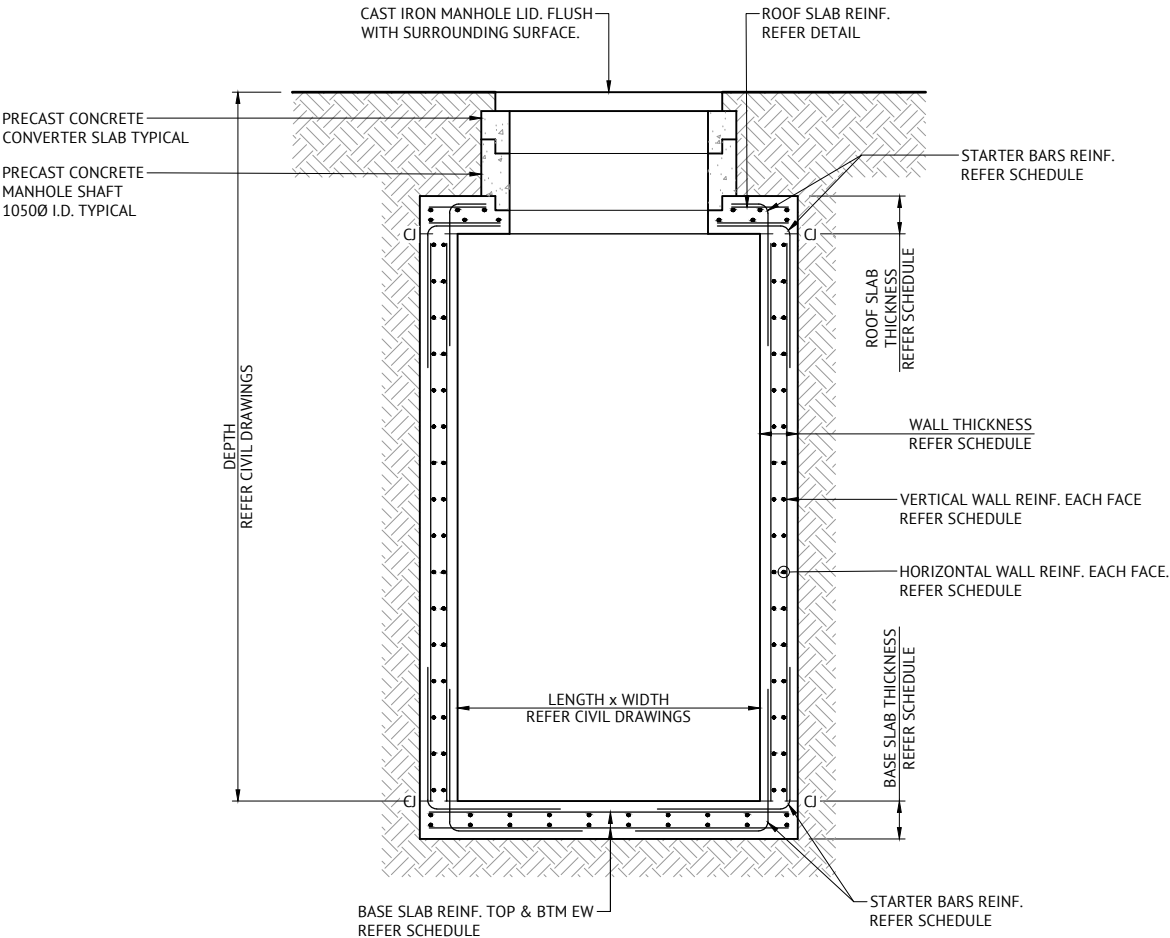
NOTES

1. REFER DRAWING No. S001 FOR STRUCTURAL NOTES



TYPICAL STORMWATER PIT  
SINGLE LAYER REINFORCEMENT

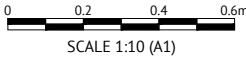
SCALE 1:20











TYPICAL STORMWATER PIT  
DOUBLE LAYER REINFORCEMENT

SCALE 1:20

27/06/18 CONSTRUCTION ISSUE

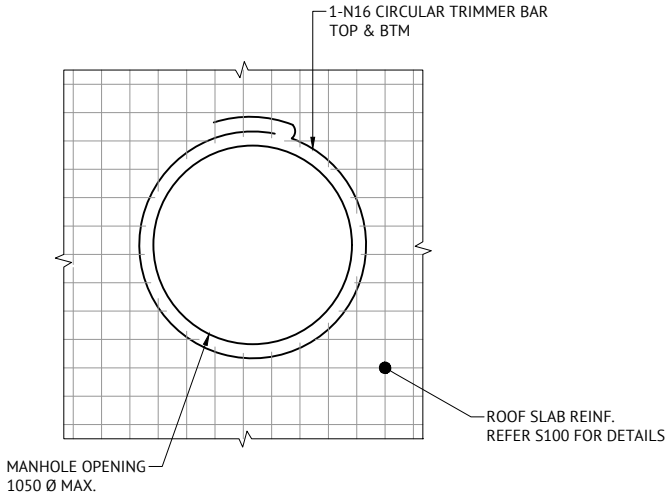


|   |   |  |          |   |  |          |   |   |  |     |   |      |           |    |         |    |                 |    |                  |   |      |          |       |  |   |  |                 |  |   |  |  |        |        |  |         |  |  |          |                        |  |             |  |  |  |  |          |  |           |  |              |     |      |   |
|---|---|--|----------|---|--|----------|---|---|--|-----|---|------|-----------|----|---------|----|-----------------|----|------------------|---|------|----------|-------|--|---|--|-----------------|--|---|--|--|--------|--------|--|---------|--|--|----------|------------------------|--|-------------|--|--|--|--|----------|--|-----------|--|--------------|-----|------|---|
|   |   |  |          |   |  |          | <br><b>Premise</b> |   | <b>BRISBANE OFFICE</b><br>LEVEL 1, 100 BRUNSWICK STREET<br>PO BOX 361<br>FORTITUDE VALLEY, QLD 4006<br>PH: (07) 3253 2222<br>WEB: www.premise.com.au |     | <table><tr><td>DESIGNED</td><td>KK</td></tr><tr><td>CHECKED</td><td>BL</td></tr><tr><td>PROJECT MANAGER</td><td>JS</td></tr><tr><td>PROJECT DIRECTOR</td><td></td></tr><tr><td>DATE</td><td>23/02/18</td></tr></table> <div><br/>BEN LANCINI</div> <div>RPEQ 16031</div> <table><tr><td colspan="2">SCALE</td></tr><tr><td colspan="2"></td></tr><tr><td colspan="2">SCALE 1:20 (A1)</td></tr></table> |      | DESIGNED  | KK | CHECKED | BL | PROJECT MANAGER | JS | PROJECT DIRECTOR |  | DATE | 23/02/18 | SCALE |  |  |  | SCALE 1:20 (A1) |  | <table><tr><td>CLIENT</td><td colspan="2">MIRVAC</td></tr><tr><td>PROJECT</td><td colspan="2">EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT</td></tr><tr><td>LOCATION</td><td colspan="2">TEVIOT ROAD, GREENBANK</td></tr><tr><td>SHEET TITLE</td><td colspan="2">STORMWATER REINFORCED CONCRETE PIT ARRANGEMENT</td></tr></table> |  |  | CLIENT | MIRVAC |  | PROJECT | EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT |  | LOCATION | TEVIOT ROAD, GREENBANK |  | SHEET TITLE | STORMWATER REINFORCED CONCRETE PIT ARRANGEMENT |  | <table><tr><td colspan="2">JOB CODE</td></tr><tr><td colspan="2">MIR001-01</td></tr><tr><td>SHEET NUMBER</td><td>REV</td></tr><tr><td>S100</td><td>B</td></tr></table> |  | JOB CODE |  | MIR001-01 |  | SHEET NUMBER | REV | S100 | B |
| DESIGNED  | KK  |  |          |   |  |          |   |   |  |     |   |      |           |    |         |    |                 |    |                  |   |      |          |       |  |   |  |                 |  |   |  |  |        |        |  |         |  |  |          |                        |  |             |  |  |  |  |          |  |           |  |              |     |      |   |
| CHECKED   | BL  |  |          |   |  |          |   |   |  |     |   |      |           |    |         |    |                 |    |                  |   |      |          |       |  |   |  |                 |  |   |  |  |        |        |  |         |  |  |          |                        |  |             |  |  |  |  |          |  |           |  |              |     |      |   |
| PROJECT MANAGER   | JS  |  |          |   |  |          |   |   |  |     |   |      |           |    |         |    |                 |    |                  |   |      |          |       |  |   |  |                 |  |   |  |  |        |        |  |         |  |  |          |                        |  |             |  |  |  |  |          |  |           |  |              |     |      |   |
| PROJECT DIRECTOR  |  |  |          |   |  |          |   |   |  |     |   |      |           |    |         |    |                 |    |                  |   |      |          |       |  |   |  |                 |  |   |  |  |        |        |  |         |  |  |          |                        |  |             |  |  |  |  |          |  |           |  |              |     |      |   |
| DATE  | 23/02/18  |  |          |   |  |          |   |   |  |     |   |      |           |    |         |    |                 |    |                  |   |      |          |       |  |   |  |                 |  |   |  |  |        |        |  |         |  |  |          |                        |  |             |  |  |  |  |          |  |           |  |              |     |      |   |
| SCALE   |   |  |          |   |  |          |   |   |  |     |   |      |           |    |         |    |                 |    |                  |   |      |          |       |  |   |  |                 |  |   |  |  |        |        |  |         |  |  |          |                        |  |             |  |  |  |  |          |  |           |  |              |     |      |   |
|    |   |  |          |   |  |          |   |   |  |     |   |      |           |    |         |    |                 |    |                  |   |      |          |       |  |   |  |                 |  |   |  |  |        |        |  |         |  |  |          |                        |  |             |  |  |  |  |          |  |           |  |              |     |      |   |
| SCALE 1:20 (A1)   |   |  |          |   |  |          |   |   |  |     |   |      |           |    |         |    |                 |    |                  |   |      |          |       |  |   |  |                 |  |   |  |  |        |        |  |         |  |  |          |                        |  |             |  |  |  |  |          |  |           |  |              |     |      |   |
| CLIENT  | MIRVAC  |  |          |   |  |          |   |   |  |     |   |      |           |    |         |    |                 |    |                  |   |      |          |       |  |   |  |                 |  |   |  |  |        |        |  |         |  |  |          |                        |  |             |  |  |  |  |          |  |           |  |              |     |      |   |
| PROJECT   | EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT  |  |          |   |  |          |   |   |  |     |   |      |           |    |         |    |                 |    |                  |   |      |          |       |  |   |  |                 |  |   |  |  |        |        |  |         |  |  |          |                        |  |             |  |  |  |  |          |  |           |  |              |     |      |   |
| LOCATION  | TEVIOT ROAD, GREENBANK  |  |          |   |  |          |   |   |  |     |   |      |           |    |         |    |                 |    |                  |   |      |          |       |  |   |  |                 |  |   |  |  |        |        |  |         |  |  |          |                        |  |             |  |  |  |  |          |  |           |  |              |     |      |   |
| SHEET TITLE   | STORMWATER REINFORCED CONCRETE PIT ARRANGEMENT  |  |          |   |  |          |   |   |  |     |   |      |           |    |         |    |                 |    |                  |   |      |          |       |  |   |  |                 |  |   |  |  |        |        |  |         |  |  |          |                        |  |             |  |  |  |  |          |  |           |  |              |     |      |   |
| JOB CODE  |   |  |          |   |  |          |   |   |  |     |   |      |           |    |         |    |                 |    |                  |   |      |          |       |  |   |  |                 |  |   |  |  |        |        |  |         |  |  |          |                        |  |             |  |  |  |  |          |  |           |  |              |     |      |   |
| MIR001-01   |   |  |          |   |  |          |   |   |  |     |   |      |           |    |         |    |                 |    |                  |   |      |          |       |  |   |  |                 |  |   |  |  |        |        |  |         |  |  |          |                        |  |             |  |  |  |  |          |  |           |  |              |     |      |   |
| SHEET NUMBER  | REV   |  |          |   |  |          |   |   |  |     |   |      |           |    |         |    |                 |    |                  |   |      |          |       |  |   |  |                 |  |   |  |  |        |        |  |         |  |  |          |                        |  |             |  |  |  |  |          |  |           |  |              |     |      |   |
| S100  | B   |  |          |   |  |          |   |   |  |     |   |      |           |    |         |    |                 |    |                  |   |      |          |       |  |   |  |                 |  |   |  |  |        |        |  |         |  |  |          |                        |  |             |  |  |  |  |          |  |           |  |              |     |      |   |
| <table><tr><td>23/02/18</td><td>B</td><td rowspan="2">SOME AMENDMENTS TO REINFORCEMNTN IN PIT SCHEDULE<br/>ORIGINAL ISSUE</td><td rowspan="2">KH<br/>BL</td></tr><tr><td>23/02/18</td><td>A</td></tr><tr><td>DATE</td><td>REV</td><td>DESCRIPTION</td><td>RPEQ</td></tr><tr><td colspan="4">REVISIONS</td></tr></table> |   |  | 23/02/18 | B | SOME AMENDMENTS TO REINFORCEMNTN IN PIT SCHEDULE<br>ORIGINAL ISSUE | KH<br>BL | 23/02/18  | A | DATE   | REV | DESCRIPTION   | RPEQ | REVISIONS |    |         |    |                 |    |                  |   |      |          |       |  |   |  |                 |  |   |  |  |        |        |  |         |  |  |          |                        |  |             |  |  |  |  |          |  |           |  |              |     |      |   |
| 23/02/18  | B   | SOME AMENDMENTS TO REINFORCEMNTN IN PIT SCHEDULE<br>ORIGINAL ISSUE | KH<br>BL |   |  |          |   |   |  |     |   |      |           |    |         |    |                 |    |                  |   |      |          |       |  |   |  |                 |  |   |  |  |        |        |  |         |  |  |          |                        |  |             |  |  |  |  |          |  |           |  |              |     |      |   |
| 23/02/18  | A   |  |          |   |  |          |   |   |  |     |   |      |           |    |         |    |                 |    |                  |   |      |          |       |  |   |  |                 |  |   |  |  |        |        |  |         |  |  |          |                        |  |             |  |  |  |  |          |  |           |  |              |     |      |   |
| DATE  | REV   | DESCRIPTION  | RPEQ     |   |  |          |   |   |  |     |   |      |           |    |         |    |                 |    |                  |   |      |          |       |  |   |  |                 |  |   |  |  |        |        |  |         |  |  |          |                        |  |             |  |  |  |  |          |  |           |  |              |     |      |   |
| REVISIONS   |   |  |          |   |  |          |   |   |  |     |   |      |           |    |         |    |                 |    |                  |   |      |          |       |  |   |  |                 |  |   |  |  |        |        |  |         |  |  |          |                        |  |             |  |  |  |  |          |  |           |  |              |     |      |   |

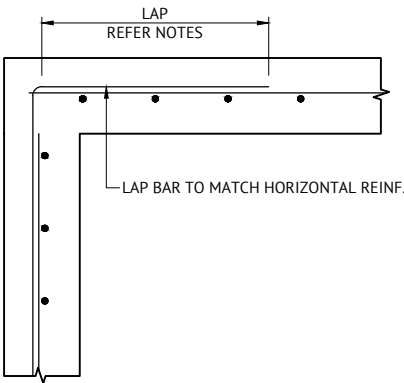


NOTES

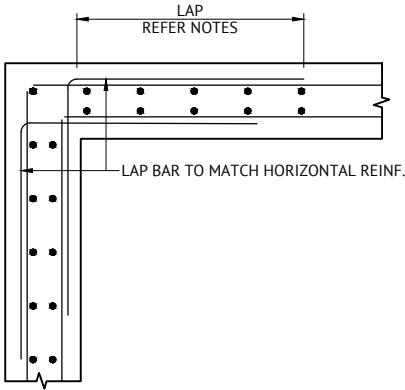
1. REFER DRAWING No. S001 FOR STRUCTURAL NOTES



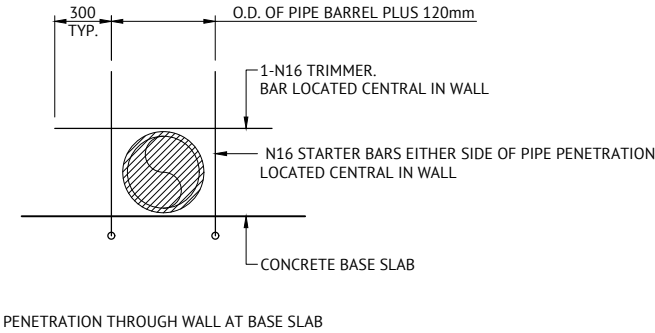
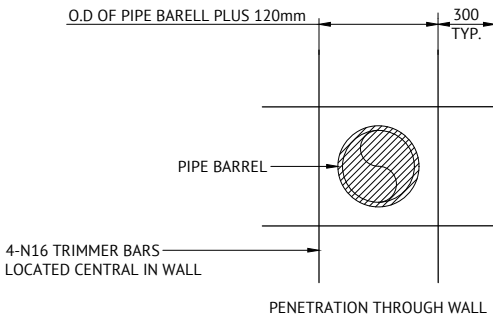
TYPICAL ROOF PENETRATION  
REINFORCEMENT DETAIL  
NOT TO SCALE



TYPICAL 'L' INTERSECTION DETAIL  
SINGLE LAYER REINFORCEMENT  
NOT TO SCALE




TYPICAL 'L' INTERSECTION DETAIL  
DOUBLE LAYER REINFORCEMENT  
NOT TO SCALE

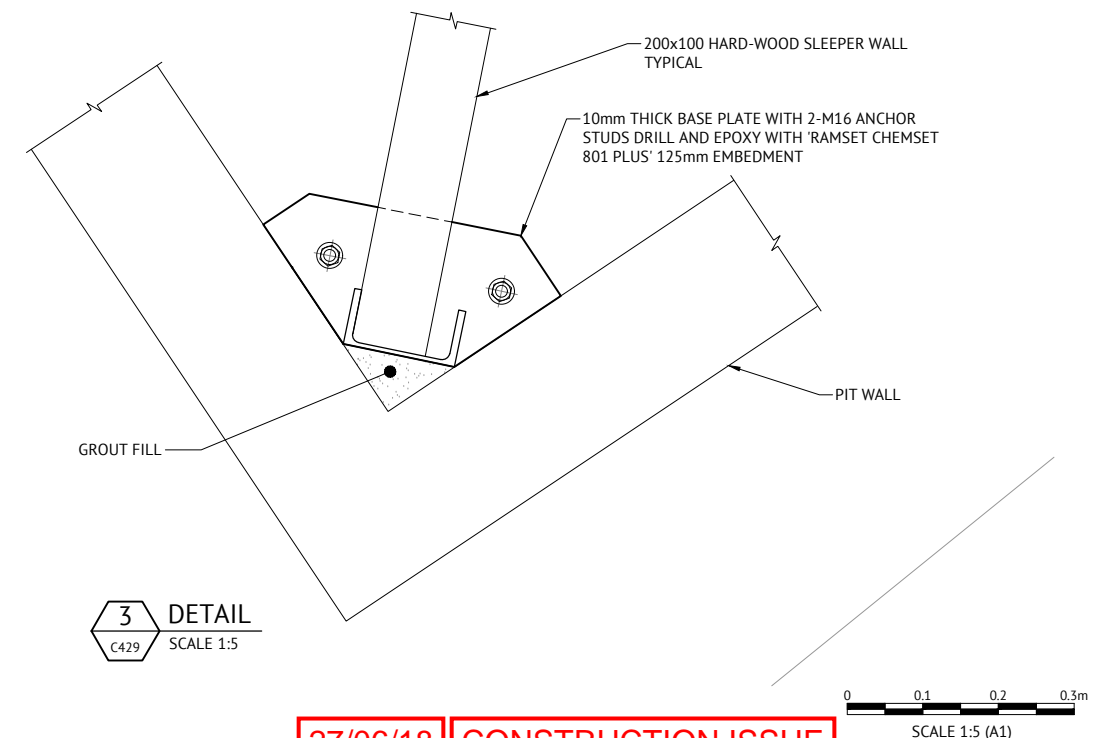
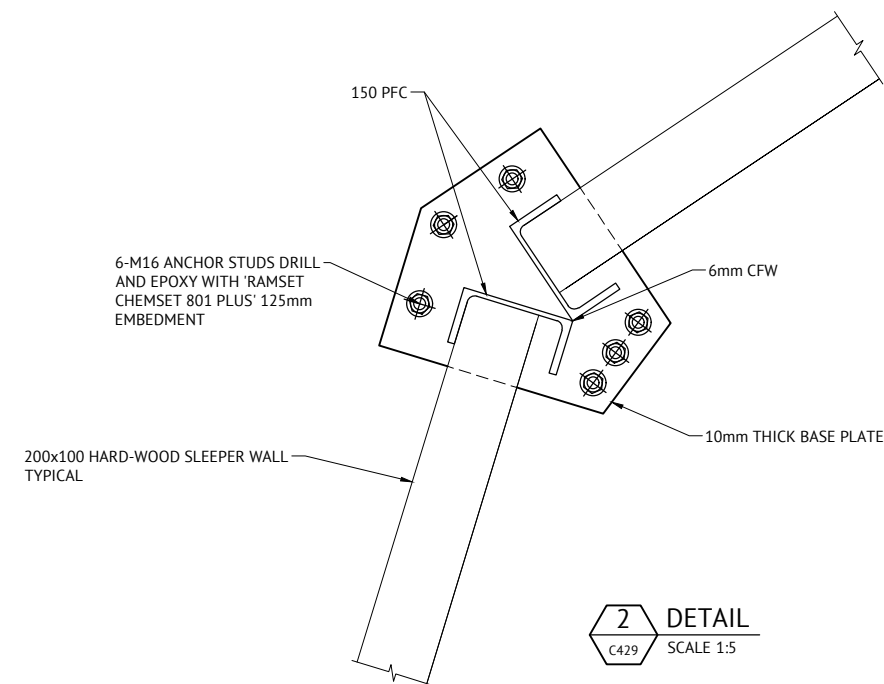
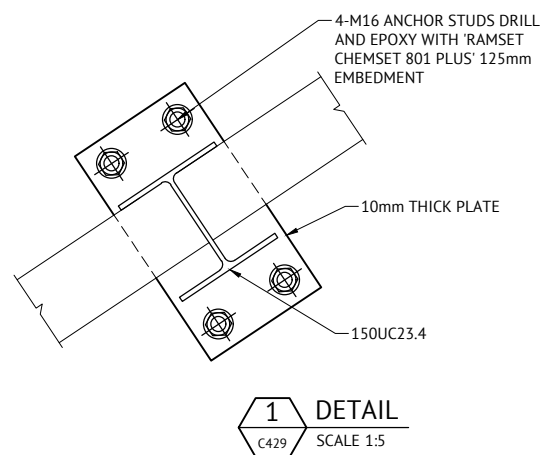
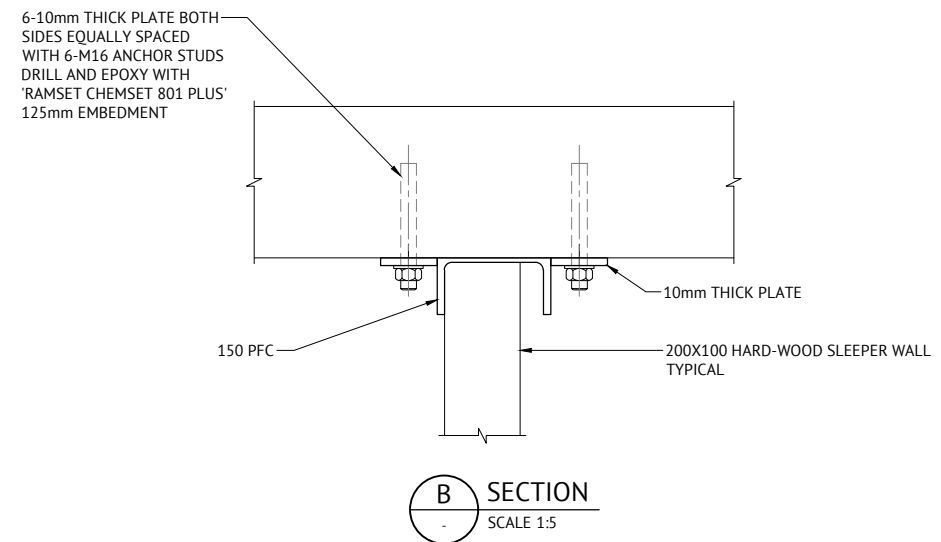
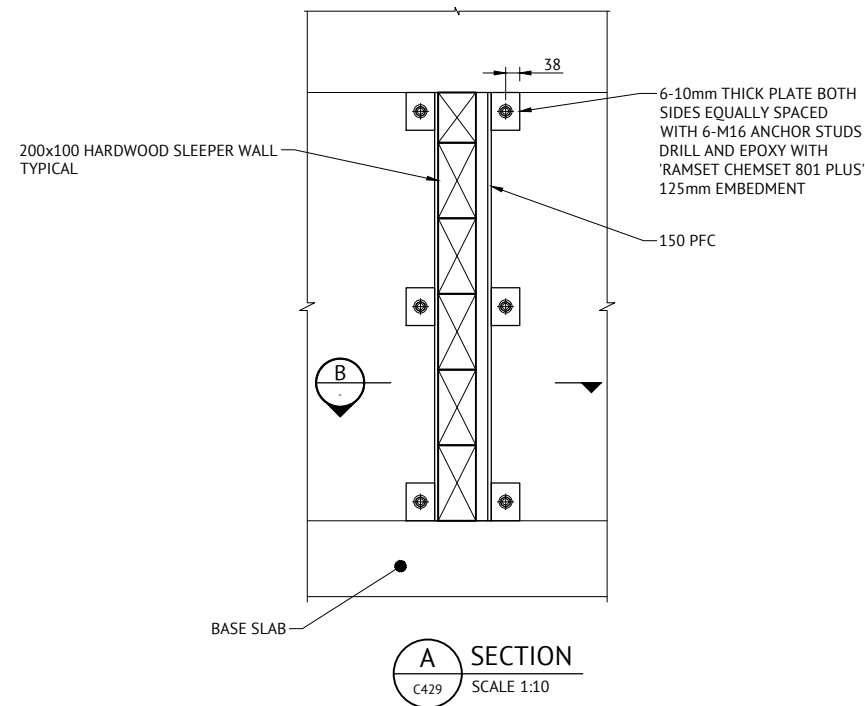


TYPICAL WALL PIPE PENETRATION  
REINFORCEMENT DETAIL  
NOT TO SCALE











27/06/18 CONSTRUCTION ISSUE

|   |  |  |  |   |  |  |  |   |  |     |  |
|---|--|--|--|---|--|--|--|---|--|-----|--|
| 12/01/18<br>12/01/18<br>DATE<br>REV   |  |  |  | B<br>A<br>AMENDED REINFORCEMENT TABLE<br>ORIGINAL ISSUE<br>DESCRIPTION  |  |  |  | KH<br>BL<br>RPEQ  |  |     |  |
| REVISIONS   |  |  |  |   |  |  |  |   |  |     |  |
|  |  |  |  | BRISBANE OFFICE<br>LEVEL 1, 100 BRUNSWICK STREET<br>PO BOX 361<br>FORTITUDE VALLEY, QLD 4006<br>PH: (07) 3253 2222<br>WEB: www.premise.com.au |  |  |  | DESIGNED KK<br>CHECKED BL<br>PROJECT MANAGER JS<br>PROJECT DIRECTOR JS<br>DATE 12/01/18 |  |     |  |
|   |  |  |  | RPEQ<br>BEN LANCINI<br>SCALE  |  |  |  | DATE 12/01/18<br>RPEQ 16031   |  |     |  |
|   |  |  |  | CLIENT MIRVAC   |  |  |  | JOB CODE  |  |     |  |
|   |  |  |  | PROJECT EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT  |  |  |  | MIR001-01   |  |     |  |
|   |  |  |  | LOCATION TEVIOT ROAD, GREENBANK   |  |  |  | SHEET NUMBER  |  | REV |  |
|   |  |  |  | SHEET TITLE STORMWATER REINFORCED CONCRETE PIT DETAILS  |  |  |  | S101  |  | B   |  |





**27/06/18 CONSTRUCTION ISSUE**

|   |   |                        |   |   |          |  |    |  |     |             |      |           |   |      |          |         |    |  |  |   |  |                 |   |                 |  |  |  |                  |   |      |  |          |  |  |  |        |        |  |  |  |  |         |  |  |  |  |  |          |                        |  |  |  |  |             |   |  |  |  |  |  |  |          |  |           |  |              |     |      |   |
|---|---|------------------------|---|---|----------|--|----|--|-----|-------------|------|-----------|---|------|----------|---------|----|--|--|---|--|-----------------|---|-----------------|--|--|--|------------------|---|------|--|----------|--|--|--|--------|--------|--|--|--|--|---------|--|--|--|--|--|----------|------------------------|--|--|--|--|-------------|---|--|--|--|--|--|--|----------|--|-----------|--|--------------|-----|------|---|
|   |   |                        |   |  |          | <b>BRISBANE OFFICE</b><br>LEVEL 1, 100 BRUNSWICK STREET<br>PO BOX 361<br>FORTITUDE VALLEY, QLD 4006<br>PH: (07) 3253 2222<br>WEB: www.premise.com.au |    | <table><tr><td>DESIGNED</td><td>BL</td><td>RPEQ</td><td></td><td>DATE</td><td>27/06/18</td></tr><tr><td>CHECKED</td><td>BL</td><td></td><td></td><td></td><td></td></tr><tr><td>PROJECT MANAGER</td><td>JS</td><td></td><td></td><td></td><td></td></tr><tr><td>PROJECT DIRECTOR</td><td></td><td>DATE</td><td></td><td>27/06/18</td><td></td></tr></table> <p><b>JOSHUA STONE</b></p> |     | DESIGNED    | BL   | RPEQ      |  | DATE | 27/06/18 | CHECKED | BL |  |  |   |  | PROJECT MANAGER | JS  |                 |  |  |  | PROJECT DIRECTOR |  | DATE |  | 27/06/18 |  | <table><tr><td>CLIENT</td><td colspan="5">MIRVAC</td></tr><tr><td>PROJECT</td><td colspan="5">EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT</td></tr><tr><td>LOCATION</td><td colspan="5">TEVIOT ROAD, GREENBANK</td></tr><tr><td>SHEET TITLE</td><td colspan="5">STORMWATER PIT HARD-WOOD SLEEPER WALL DETAILS</td></tr></table> |  | CLIENT | MIRVAC |  |  |  |  | PROJECT | EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT |  |  |  |  | LOCATION | TEVIOT ROAD, GREENBANK |  |  |  |  | SHEET TITLE | STORMWATER PIT HARD-WOOD SLEEPER WALL DETAILS |  |  |  |  | <table><tr><td colspan="2">JOB CODE</td></tr><tr><td colspan="2">MIR001-01</td></tr><tr><td>SHEET NUMBER</td><td>REV</td></tr><tr><td>S200</td><td>A</td></tr></table> |  | JOB CODE |  | MIR001-01 |  | SHEET NUMBER | REV | S200 | A |
| DESIGNED  | BL  | RPEQ                   |  | DATE  | 27/06/18 |  |    |  |     |             |      |           |   |      |          |         |    |  |  |   |  |                 |   |                 |  |  |  |                  |   |      |  |          |  |  |  |        |        |  |  |  |  |         |  |  |  |  |  |          |                        |  |  |  |  |             |   |  |  |  |  |  |  |          |  |           |  |              |     |      |   |
| CHECKED   | BL  |                        |   |   |          |  |    |  |     |             |      |           |   |      |          |         |    |  |  |   |  |                 |   |                 |  |  |  |                  |   |      |  |          |  |  |  |        |        |  |  |  |  |         |  |  |  |  |  |          |                        |  |  |  |  |             |   |  |  |  |  |  |  |          |  |           |  |              |     |      |   |
| PROJECT MANAGER   | JS  |                        |   |   |          |  |    |  |     |             |      |           |   |      |          |         |    |  |  |   |  |                 |   |                 |  |  |  |                  |   |      |  |          |  |  |  |        |        |  |  |  |  |         |  |  |  |  |  |          |                        |  |  |  |  |             |   |  |  |  |  |  |  |          |  |           |  |              |     |      |   |
| PROJECT DIRECTOR  |  | DATE                   |   | 27/06/18  |          |  |    |  |     |             |      |           |   |      |          |         |    |  |  |   |  |                 |   |                 |  |  |  |                  |   |      |  |          |  |  |  |        |        |  |  |  |  |         |  |  |  |  |  |          |                        |  |  |  |  |             |   |  |  |  |  |  |  |          |  |           |  |              |     |      |   |
| CLIENT  | MIRVAC  |                        |   |   |          |  |    |  |     |             |      |           |   |      |          |         |    |  |  |   |  |                 |   |                 |  |  |  |                  |   |      |  |          |  |  |  |        |        |  |  |  |  |         |  |  |  |  |  |          |                        |  |  |  |  |             |   |  |  |  |  |  |  |          |  |           |  |              |     |      |   |
| PROJECT   | EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT  |                        |   |   |          |  |    |  |     |             |      |           |   |      |          |         |    |  |  |   |  |                 |   |                 |  |  |  |                  |   |      |  |          |  |  |  |        |        |  |  |  |  |         |  |  |  |  |  |          |                        |  |  |  |  |             |   |  |  |  |  |  |  |          |  |           |  |              |     |      |   |
| LOCATION  | TEVIOT ROAD, GREENBANK  |                        |   |   |          |  |    |  |     |             |      |           |   |      |          |         |    |  |  |   |  |                 |   |                 |  |  |  |                  |   |      |  |          |  |  |  |        |        |  |  |  |  |         |  |  |  |  |  |          |                        |  |  |  |  |             |   |  |  |  |  |  |  |          |  |           |  |              |     |      |   |
| SHEET TITLE   | STORMWATER PIT HARD-WOOD SLEEPER WALL DETAILS   |                        |   |   |          |  |    |  |     |             |      |           |   |      |          |         |    |  |  |   |  |                 |   |                 |  |  |  |                  |   |      |  |          |  |  |  |        |        |  |  |  |  |         |  |  |  |  |  |          |                        |  |  |  |  |             |   |  |  |  |  |  |  |          |  |           |  |              |     |      |   |
| JOB CODE  |   |                        |   |   |          |  |    |  |     |             |      |           |   |      |          |         |    |  |  |   |  |                 |   |                 |  |  |  |                  |   |      |  |          |  |  |  |        |        |  |  |  |  |         |  |  |  |  |  |          |                        |  |  |  |  |             |   |  |  |  |  |  |  |          |  |           |  |              |     |      |   |
| MIR001-01   |   |                        |   |   |          |  |    |  |     |             |      |           |   |      |          |         |    |  |  |   |  |                 |   |                 |  |  |  |                  |   |      |  |          |  |  |  |        |        |  |  |  |  |         |  |  |  |  |  |          |                        |  |  |  |  |             |   |  |  |  |  |  |  |          |  |           |  |              |     |      |   |
| SHEET NUMBER  | REV   |                        |   |   |          |  |    |  |     |             |      |           |   |      |          |         |    |  |  |   |  |                 |   |                 |  |  |  |                  |   |      |  |          |  |  |  |        |        |  |  |  |  |         |  |  |  |  |  |          |                        |  |  |  |  |             |   |  |  |  |  |  |  |          |  |           |  |              |     |      |   |
| S200  | A   |                        |   |   |          |  |    |  |     |             |      |           |   |      |          |         |    |  |  |   |  |                 |   |                 |  |  |  |                  |   |      |  |          |  |  |  |        |        |  |  |  |  |         |  |  |  |  |  |          |                        |  |  |  |  |             |   |  |  |  |  |  |  |          |  |           |  |              |     |      |   |
| <table><tr><td>27/06/18</td><td>A</td><td>ISSUE FOR CONSTRUCTION</td><td>BL</td></tr><tr><td>DATE</td><td>REV</td><td>DESCRIPTION</td><td>RPEQ</td></tr><tr><td colspan="4">REVISIONS</td></tr></table> |   |                        |   | 27/06/18  | A        | ISSUE FOR CONSTRUCTION   | BL | DATE   | REV | DESCRIPTION | RPEQ | REVISIONS |   |      |          |         |    |  |  | <table><tr><td>SCALE</td><td></td></tr><tr><td colspan="2">SCALE 1:10 (A1)</td></tr></table> |  | SCALE           |  | SCALE 1:10 (A1) |  |  |  |                  |   |      |  |          |  |  |  |        |        |  |  |  |  |         |  |  |  |  |  |          |                        |  |  |  |  |             |   |  |  |  |  |  |  |          |  |           |  |              |     |      |   |
| 27/06/18  | A   | ISSUE FOR CONSTRUCTION | BL  |   |          |  |    |  |     |             |      |           |   |      |          |         |    |  |  |   |  |                 |   |                 |  |  |  |                  |   |      |  |          |  |  |  |        |        |  |  |  |  |         |  |  |  |  |  |          |                        |  |  |  |  |             |   |  |  |  |  |  |  |          |  |           |  |              |     |      |   |
| DATE  | REV   | DESCRIPTION            | RPEQ  |   |          |  |    |  |     |             |      |           |   |      |          |         |    |  |  |   |  |                 |   |                 |  |  |  |                  |   |      |  |          |  |  |  |        |        |  |  |  |  |         |  |  |  |  |  |          |                        |  |  |  |  |             |   |  |  |  |  |  |  |          |  |           |  |              |     |      |   |
| REVISIONS   |   |                        |   |   |          |  |    |  |     |             |      |           |   |      |          |         |    |  |  |   |  |                 |   |                 |  |  |  |                  |   |      |  |          |  |  |  |        |        |  |  |  |  |         |  |  |  |  |  |          |                        |  |  |  |  |             |   |  |  |  |  |  |  |          |  |           |  |              |     |      |   |
| SCALE   |  |                        |   |   |          |  |    |  |     |             |      |           |   |      |          |         |    |  |  |   |  |                 |   |                 |  |  |  |                  |   |      |  |          |  |  |  |        |        |  |  |  |  |         |  |  |  |  |  |          |                        |  |  |  |  |             |   |  |  |  |  |  |  |          |  |           |  |              |     |      |   |
| SCALE 1:10 (A1)   |   |                        |   |   |          |  |    |  |     |             |      |           |   |      |          |         |    |  |  |   |  |                 |   |                 |  |  |  |                  |   |      |  |          |  |  |  |        |        |  |  |  |  |         |  |  |  |  |  |          |                        |  |  |  |  |             |   |  |  |  |  |  |  |          |  |           |  |              |     |      |   |