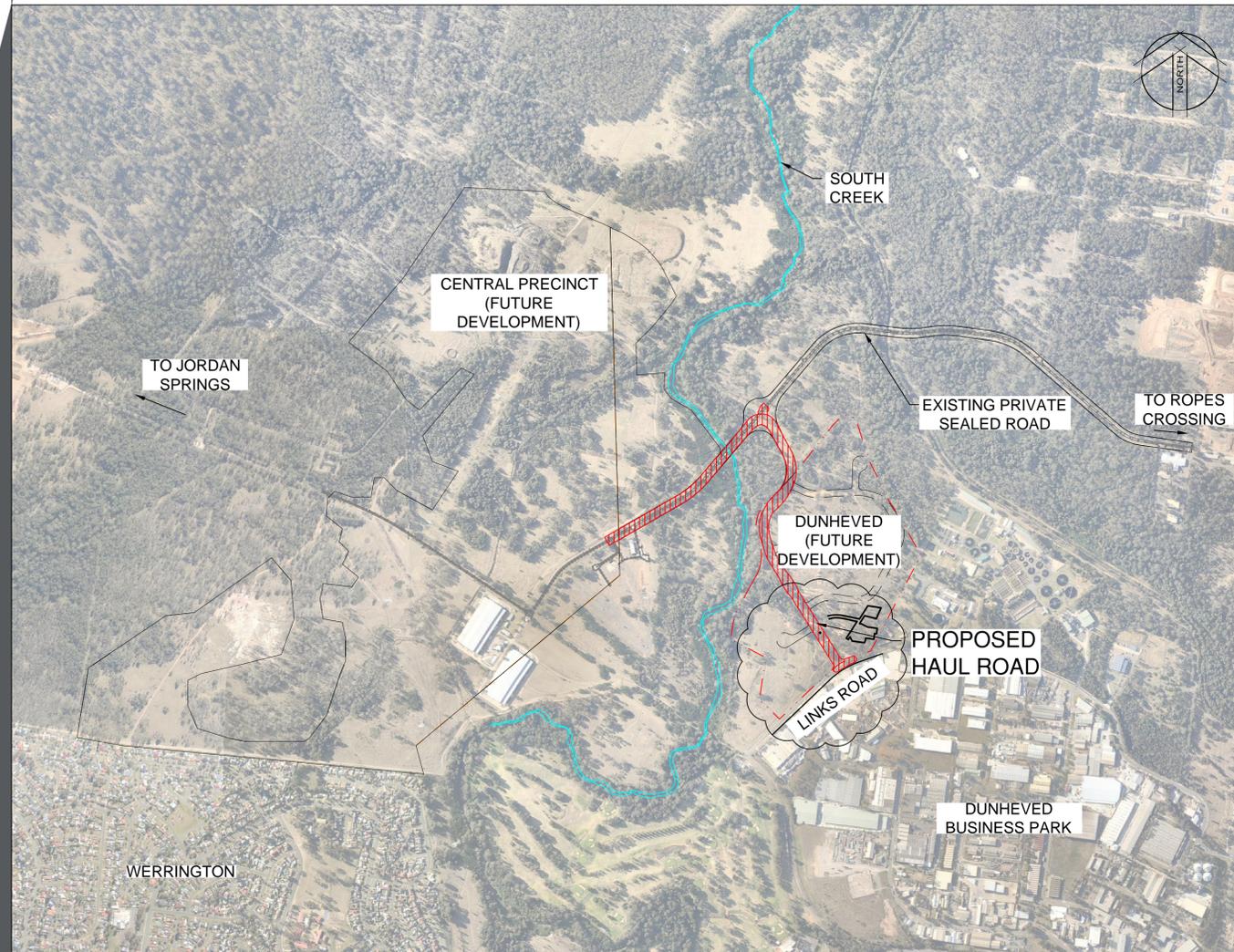




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# LEND LEASE CENTRAL PRECINCT HAUL ROAD SECTION 96 APPLICATION COVER SHEET & DRAWING LIST



## SCHEDULE OF DRAWINGS

| DRAWING No.          | DESCRIPTION  |
|----------------------|--|
| 89914020-03-S96-1000 | COVER SHEET & DRAWING LIST                             |
| 89914020-03-S96-1001 | GENERAL NOTES AND SPECIFICATIONS                       |
| 89914020-03-S96-1010 | GENERAL ARRANGEMENT PLAN                               |
| 89914020-03-S96-1031 | CUT/FILL PLAN SHEET 1                                  |
| 89914020-03-S96-1032 | CUT/FILL PLAN SHEET 2                                  |
| 89914020-03-S96-1050 | TYPICAL ROAD CROSS SECTION                             |
| 89914020-03-S96-1121 | EROSION & SEDIMENT CONTROL PLAN SHEET 1                |
| 89914020-03-S96-1122 | EROSION & SEDIMENT CONTROL PLAN SHEET 2                |
| 89914020-03-S96-1123 | EROSION & SEDIMENT CONTROL PLAN SHEET 3                |
| 89914020-03-S96-1124 | EROSION & SEDIMENT CONTROL PLAN SHEET 4                |
| 89914020-03-S96-1125 | EROSION & SEDIMENT CONTROL TYPICAL DETAILS             |
| 89914020-03-S96-1131 | ROAD AND STORMWATER PLAN SHEET 1                       |
| 89914020-03-S96-1132 | ROAD AND STORMWATER PLAN SHEET 2                       |
| 89914020-03-S96-1133 | ROAD AND STORMWATER PLAN SHEET 3                       |
| 89914020-03-S96-1134 | ROAD AND STORMWATER PLAN SHEET 4                       |
| 89914020-03-S96-1151 | ROAD LONGITUDINAL SECTIONS SHEET 1 ROAD 001            |
| 89914020-03-S96-1152 | ROAD LONGITUDINAL SECTIONS SHEET 2 ROAD 001            |
| 89914020-03-S96-1153 | ROAD LONGITUDINAL SECTIONS SHEET 3 ROAD 001, 002 & 003 |
| 89914020-03-S96-1180 | STORMWATER CATCHMENT PLAN                              |
| 89914020-03-S96-1181 | STORMWATER OUTLET DETAILS                              |
| 89914020-03-S96-1191 | STORMWATER DRAINAGE LONGITUDINAL SECTIONS              |
| 89914020-03-S96-1211 | ROAD & RETAINING WALL TYPICAL DETAILS                  |
| 89914020-03-S96-1221 | PAVEMENT, SIGNAGE & LINEMARKING PLAN SHEET 1           |
| 89914020-03-S96-1222 | PAVEMENT, SIGNAGE & LINEMARKING PLAN SHEET 2           |
| 89914020-03-S96-1223 | PAVEMENT, SIGNAGE & LINEMARKING PLAN SHEET 3           |
| 89914020-03-S96-1224 | PAVEMENT, SIGNAGE & LINEMARKING PLAN SHEET 4           |
| 89914020-03-S96-1231 | ROAD INTERSECTION PLAN SHEET 1                         |
| 89914020-03-S96-1232 | ROAD INTERSECTION PLAN SHEET 2                         |
| 89914020-03-S96-1233 | ROAD INTERSECTION PLAN SHEET 3                         |

**NOTES**

1. CLOUDED AREA NOMINATES THE EXTENT OF THE SECTION 96 APPLICATION. ALL OTHER DETAILS/DRAWING CHANGES ARE INCLUDED FOR COMPLETENESS & ARE REPRESENTATIVE OF INCLUSION OF PENRITH & BLACKTOWN CITY COUNCIL'S RESPECTIVE DA CONDITIONS.

DATE PLOTTED: 20 April 2015 2:22 PM BY: BRITTANY HOLZHEIMER  
 XREF's: 89914020-X-03-CC-Aerial; 89914020-X-03-CC-LAYOUT CENTRAL BOUNDARY; 89914020-X-03-CC-Stage 1 Boundary  
 CAD File: \\cardno.corp\g00\all\AU\NSW\Drawings\03 Haul Road\0305 Section 96\Drawings\89914020-03-S96-1000.dwg

| Rev. | Date       | Description            | Des. | Verif. | Appd. |
|------|------------|------------------------|------|--------|-------|
| 1    | 20/04/2015 | SECTION 96 APPLICATION | DAC  | SCP    | SCP   |



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|--|--|---|--|------------------------------------|--|-----------------------|

### SITWORKS NOTES

- ORIGIN OF LEVELS-- REFER SURVEY NOTES.
- CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCIES TO BE REPORTED TO CARDNO.
- MAKE SMOOTH CONNECTION WITH EXISTING WORKS.
- WHERE NOTED ON THE DRAWINGS THAT WORKS ARE TO BE CARRIED OUT BY OTHERS, (eg. ADJUSTMENT OF SERVICES), THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CO-ORDINATION OF THESE WORKS.

### SURVEY NOTES

THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN INVESTIGATED BY INSITES, BEING REGISTERED SURVEYORS. (RECEIVED 04/03/2014 CAD FILE C212-CPT-defail-2.dwg) THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN. CARDNO DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE SURVEY BASE OR ITS SUITABILITY AS A BASIS FOR CONSTRUCTION DRAWINGS. SHOULD DISCREPANCIES BE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA AND ACTUAL FIELD DATA, CONTACT CARDNO. SERVICES HAVE BEEN PLOTTED FROM RELEVANT AUTHORITIES INFORMATION AND ARE APPROXIMATE. ALL RELEVANT AUTHORITIES SHOULD BE NOTIFIED PRIOR TO ANY EXCAVATION ON OR NEAR THE SITE

APPROVED DA ROAD RESERVES WITHIN THE DUNHEVED PRECINCT BASED ON CAD FILES RECEIVED 28/02/2014 FROM PARSONS BRINCKERHOFF PROJECT NUMBER 2122723A

ORIGIN OF LEVELS: SSM 79753 (RL 20.00 mAHD) LOCATION ON LINK ROAD.

### BULK EARTHWORKS NOTES

- ORIGIN OF LEVELS: REFER SURVEY NOTES
- STRIP TOPSOIL/ORGANIC MATERIAL FROM CONSTRUCTION AREA AND REMOVE FROM SITE AS DIRECTED BY SUPERINTENDENT.
- EXCAVATED MATERIAL TO BE USED AS STRUCTURAL FILL PROVIDED THE PLACEMENT MOISTURE CONTENT OF THE MATERIAL IS +/- 2% OF THE OPTIMUM MOISTURE CONTENT.
- COMPACT FILL AREAS AND SUBGRADE TO NOT LESS THAN:
 

| LOCATION                                | STANDARD DRY DENSITY (AS 1289 E 5.1.1) |
|---|--|
| UNDER BUILDING SLABS ON GROUND          | 98%                                    |
| UNDER ROADS AND CARPARKS                | 100%                                   |
| LANDSCAPED AREAS UNLESS NOTED OTHERWISE | 95%                                    |
- FOR NON COHESIVE MATERIAL, COMPACT TO 75% DENSITY INDEX.
- BEFORE PLACING FILL, PROOF ROLL EXPOSED SUBGRADE WITH AN 8 TONNE (MIN) DEADWEIGHT SMOOTH DRUM VIBRATORY ROLLER TO DETECT THEN REMOVE SOFT SPOTS (AREAS WITH MORE THAN 2mm MOVEMENT UNDER ROLLER).
- FREQUENCY OF COMPACTION TESTING SHALL BE IN ACCORDANCE WITH COUNCIL ENGINEERING SPECIFICATIONS.
- FILLING TO BE PLACED IN MAXIMUM 500mm - LOOSE LAYERS AND COMPACTED AS SPECIFIED
- NO FILLING SHALL TAKE PLACE TO EXPOSED SUBGRADE UNTIL THE AREA HAS BEEN PROOF ROLLED IN THE PRESENCE OF CARDNO AND APPROVAL GIVEN IN WRITING THAT FILLING CAN PROCEED.
- BULK EARTHWORKS TO BE WITHIN (+0,-100mm) OF DESIGN LEVELS SHOWN ON THESE DRAWINGS
- ALL EARTHWORKS TO BE SUPERVISED TO LEVEL 1 GEOTECH AS3798.

### EROSION AND SEDIMENT CONTROL NOTES

#### GENERAL INSTRUCTIONS

- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONTROL OF EROSION AND SEDIMENTATION TO THE SATISFACTION OF COUNCIL, NSW OFFICE OF WATER, SYDNEY WATER, THE DEPARTMENT OF ENVIRONMENT, CLIMATE CHANGE AND WATER NSW (DECCW), AND LEND LEASE'S REPRESENTATIVE. TO THIS END, THE EROSION AND SEDIMENTATION CONTROLS SHOWN ON THE DRAWINGS SHALL ONLY BE USED AS A GUIDE BY THE CONTRACTOR, AND SHALL REPRESENT THE MINIMUM REQUIREMENT ONLY.
- THE CONTRACTOR SHALL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE LOCATED AS DOCUMENTED OR AS OTHERWISE DIRECTED BY THE SUPERINTENDENT.
- ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH
  - LOCAL AUTHORITY REQUIREMENTS
  - EPA REQUIREMENTS
  - NSW DEPARTMENT OF HOUSING MANUAL "MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION", 4th EDITION, MARCH 2004.
- MAINTAIN THE EROSION CONTROL DEVICES TO THE SATISFACTION OF THE SUPERINTENDENT AND THE LOCAL AUTHORITY.
- WHEN STORMWATER PITS ARE CONSTRUCTED, PREVENT SITE RUNOFF ENTERING UNLESS SEDIMENT FENCES ARE ERECTED AROUND PITS.
- CONTRACTOR IS TO ENSURE ALL EROSION & SEDIMENT CONTROL DEVICES ARE MAINTAINED IN GOOD WORKING ORDER AND OPERATE EFFECTIVELY. REPAIRS AND OR MAINTENANCE SHALL BE UNDERTAKEN AS REQUIRED, PARTICULARLY FOLLOWING RAINFALL EVENTS.

#### LAND DISTURBANCE

- WHERE PRACTICAL, THE SOIL EROSION HAZARD ON THE SITE WILL BE KEPT AS LOW AS POSSIBLE. TO THIS END, WORKS SHOULD BE UNDERTAKEN IN THE FOLLOWING SEQUENCE:
  - INSTALL A SEDIMENT FENCE ALONG THE BOUNDARIES AS SHOWN ON PLAN. REFER DETAIL.
  - CONSTRUCT STABILISED CONSTRUCTION ENTRANCE TO LOCATION AS DETERMINED BY SUPERINTENDENT/ENGINEER. REFER DETAIL.
  - INSTALL SEDIMENT TRAPS AS SHOWN ON PLAN.
  - UNDERTAKE SITE DEVELOPMENT WORKS IN ACCORDANCE WITH THE ENGINEERING PLANS. WHERE POSSIBLE, PHASE DEVELOPMENT SO THAT LAND DISTURBANCE IS CONFINED TO AREAS OF WORKABLE SIZE.

#### EROSION CONTROL

- DURING WINDY WEATHER, LARGE, UNPROTECTED AREAS WILL BE KEPT MOIST (NOT WET) BY SPRINKLING WITH WATER TO KEEP DUST UNDER CONTROL.
- FINAL SITE LANDSCAPING WILL BE UNDERTAKEN AS SOON AS POSSIBLE
- STOCKPILES WILL NOT BE LOCATED WITHIN 2 METRES OF HAZARD AREAS, INCLUDING LIKELY AREAS OF CONCENTRATED OR HIGH VELOCITY FLOWS SUCH AS WATERWAYS. WHERE THEY ARE BETWEEN 2 AND 5 METRES FROM SUCH AREAS, SPECIAL SEDIMENT CONTROL MEASURES SHOULD BE TAKEN TO MINIMISE POSSIBLE POLLUTION TO DOWNSLOPE WATERS, E.G. THROUGH INSTALLATION OF SEDIMENT FENCING.
- ANY SAND USED IN THE CONCRETE CURING PROCESS (SPREAD OVER THE SURFACE) WILL BE REMOVED AS SOON AS POSSIBLE AND WITHIN 10 WORKING DAYS FROM PLACEMENT.
- WATER WILL BE PREVENTED FROM ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS IT IS RELATIVELY SEDIMENT FREE, I.E. THE CATCHMENT AREA HAS BEEN PERMANENTLY LANDSCAPED AND/OR ANY LIKELY SEDIMENT HAS BEEN FILTERED THROUGH AN APPROVED STRUCTURE.
- TEMPORARY SOIL AND WATER MANAGEMENT STRUCTURES WILL BE REMOVED ONLY AFTER THE LANDS THEY ARE PROTECTING ARE REHABILITATED.

#### OTHER MATTERS

- ACCEPTABLE RECEPTORS ARE TO BE PROVIDED BY THE CONTRACTOR FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT WASTE MATERIALS AND LITTER.
- ANY EXISTING TREES WHICH FORM PART OF THE FINAL LANDSCAPING PLAN WILL BE PROTECTED FROM CONSTRUCTION ACTIVITIES BY:
  - PROTECTING THEM WITH BARRIER FENCING OR SIMILAR MATERIALS INSTALLED OUTSIDE THE DRIP LINE
  - ENSURING THAT NOTHING IS NAILED TO THEM
  - PROHIBITING PAVING, GRADING, SEDIMENT WASH OR PLACING OF STOCKPILES WITHIN THE DRIP LINE EXCEPT UNDER THE FOLLOWING CONDITIONS.
    - ENCROACHMENT ONLY OCCURS ON ONE SIDE AND NO CLOSER TO THE TRUNK THAN EITHER 15 METRES OR HALF THE DISTANCE BETWEEN THE OUTER EDGE OF THE DRIP LINE AND THE TRUNK, WHICH EVER IS THE GREATER
    - A DRAINAGE SYSTEM THAT ALLOWS AIR AND WATER TO CIRCULATE THROUGH THE ROOT ZONE (E.G. A GRAVEL BED) IS PLACED UNDER ALL FILL LAYERS OF MORE THAN 300 MILLIMETRES DEPTH
    - CARE IS TAKEN NOT TO CUT ROOTS UNNECESSARILY NOR TO COMPACT THE SOIL AROUND THEM.

### EXISTING UNDERGROUND SERVICES NOTES

THE LOCATIONS OF UNDERGROUND SERVICES SHOWN IN THIS SET OF DRAWINGS HAVE BEEN PLOTTED FROM SURVEY INFORMATION AND SERVICE AUTHORITY INFORMATION. THE SERVICE INFORMATION HAS BEEN PREPARED ONLY TO SHOW THE APPROXIMATE POSITIONS OF ANY KNOWN SERVICES AND MAY NOT BE AS CONSTRUCTED OR ACCURATE. CARDNO CAN NOT GUARANTEE THAT THE SERVICE INFORMATION SHOWN ON THESE DRAWINGS ACCURATELY INDICATES THE PRESENCE OR ABSENCE OF SERVICES OR THEIR LOCATION AND WILL ACCEPT NO LIABILITY FOR INACCURACIES IN THE SERVICE INFORMATION SHOWN FROM ANY CAUSE WHATSOEVER.

CONTRACTORS SHALL TAKE DUE CARE WHEN EXCAVATING ONSITE INCLUDING HAND EXCAVATION WHERE NECESSARY. CONTRACTORS ARE TO CONTACT THE RELEVANT SERVICE AUTHORITY PRIOR TO COMMENCEMENT OF EXCAVATION WORKS. CONTRACTORS ARE TO UNDERTAKE A SERVICES SEARCH PRIOR TO COMMENCEMENT OF WORKS ON SITE. SEARCH RESULTS ARE TO BE KEPT ON SITE AT ALL TIMES.

### VEHICLE MOVEMENT NOTES

- VEHICLE TURNING PATHS BASED ON 26m B-DOUBLE, WITH A MINIMUM MANEUVERING SPEED OF 10km/hr
- A 500mm VEHICLE CLEARANCE HAS BEEN ALLOWED AS PER AUSTRROAD STANDARDS

### EXISTING WORKS LEGEND

- EXISTING CONTOURS
- EXISTING OHW (POWER)
- EXISTING OHW (COMMS)
- EXISTING GAS
- EXISTING SEWER
- EXISTING WATER
- EXISTING RECYCLED WATER
- EXISTING UNKNOWN SERVICES
- EXISTING 1800mm CHAIN WIRE FENCE
- EXISTING CHANNEL
- 1800 CHAIN WIRE DOUBLE GATE (EXISTING)
- 'ATF' TYPE FENCING (EXISTING)
- TREES TO BE REMOVED AS PART OF BULK EARTHWORKS PACKAGE.
- TREES TO BE RETAINED
- BENCHMARK
- APPROVED CORRIDOR/BOUNDARY

### SEDIMENT & EROSION CONTROL LEGEND

- STRAW BALES
- SEDIMENT FENCE
- SEDIMENT CATCHMENT BOUNDARY
- STABILISED SITE ENTRY/EXIT WITH WHEEL WASH
- OVERLAND FLOW DIRECTION
- STORMWATER FLOW DIRECTION
- 'ATF' TYPE FENCING
- 1800mm CHAIN WIRE DOUBLE GATE

### GENERAL NOTES

- ALL WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH PENRITH CITY COUNCIL DESIGN GUIDELINES 2013 AND BLACKTOWN CITY COUNCIL ENGINEERING GUIDE FOR DEVELOPMENT 2005.
- PENRITH/BLACKTOWN CITY COUNCIL DETAILS TO BE USED WHERE POSSIBLE WHEN WORKING WITHIN THE RESPECTIVE LOCAL GOVERNMENT AREAS.

### STORMWATER DRAINAGE NOTES

- STORMWATER DESIGN CRITERIA: AVERAGE RECURRENCE INTERVAL: 5 YEAR ARI
- PIPES 300 DIA. AND LARGER TO BE REINFORCED CONCRETE CLASS '4' APPROVED SPIGOT AND SOCKET WITH RUBBER RING JOINTS. U.N.O.
- PIPES UP TO 300 DIA SHALL BE SEWER GRADE uPVC WITH SOLVENT WELDED JOINTS.
- EQUIVALENT STRENGTH FRC PIPES MAY BE USED. SHOULD THE CONTRACTOR WISH TO USE FRC PIPES, THIS SHOULD BE CLEARLY INDICATED IN THEIR TENDER INCLUDING A PRICE DIFFERENCE TO RCP.
- ALL STORMWATER DRAINAGE LINES UNDER PROPOSED BUILDING SLABS TO BE uPVC PRESSURE PIPE GRADE 6. ENSURE ALL VERTICALS AND DOWNPIPES ARE uPVC PRESSURE PIPE, GRADE 6 FOR A MIN OF 3.0m IN HEIGHT.
- PIPES TO BE INSTALLED TO TYPE HS2 SUPPORT IN ACCORDANCE WITH AS 3725 (2007) IN ALL CASES BACKFILL TRENCH WITH SAND TO 300mm ABOVE PIPE. WHERE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH TO UNDERSIDE OF PAVEMENT WITH SAND OR APPROVED GRANULAR MATERIAL COMPACTED IN 150mm LAYERS TO MINIMUM 98% STANDARD MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. (OR A DENSITY INDEX OF NOT LESS THAN 75)
- ALL INTERNAL WORKS WITHIN PROPERTY BOUNDARIES ARE TO COMPLY WITH THE REQUIREMENTS OF AS 3500 3.1 (1998) AND AS/NZS 3500 3.2 (2000).
- ENLARGERS, CONNECTIONS AND JUNCTIONS TO BE PREFABRICATED FITTINGS WHERE PIPES ARE LESS THAN 300 DIA.
- WHERE SUBSOIL DRAINS PASS UNDER FLOOR SLABS AND VEHICULAR PAVEMENTS, UNSLOTTED uPVC SEWER GRADE PIPE IS TO BE USED.
- CARE IS TO BE TAKEN WITH LEVELS OF STORMWATER LINES. GRADES SHOWN ARE NOT TO BE REDUCED WITHOUT APPROVAL.
- GRATES AND COVERS SHALL CONFORM TO AS 3996.
- AT ALL TIMES DURING CONSTRUCTION OF STORMWATER PITS, ADEQUATE SAFETY PROCEDURES SHALL BE TAKEN TO ENSURE AGAINST THE POSSIBILITY OF PERSONNEL FALLING DOWN PITS.
- ALL EXISTING STORMWATER DRAINAGE LINES AND PITS THAT ARE TO REMAIN ARE TO BE INSPECTED AND CLEANED. DURING THIS PROCESS ANY PART OF THE STORMWATER DRAINAGE SYSTEM THAT WARRANTS REPAIR SHALL BE REPORTED TO THE SUPERINTENDENT/ENGINEER FOR FURTHER DIRECTIONS.

### DIAL BEFORE YOU DIG INFORMATION

DIAL BEFORE YOU DIG INFORMATION HAS BEEN RECEIVED FROM APA GROUP, JEMENA EASTERN GAS PIPELINE, SYDNEY WATER, TELSTRA AND ENDEAVOUR ENERGY. THE LOCATIONS OF THESE EXISTING SERVICES HAVE BEEN PLOTTED & ONLY SHOW THE APPROXIMATE POSITIONS. CONTRACTOR TO LOCATE AND PROTECT ALL EXISTING SERVICES PRIOR TO THE START OF CONSTRUCTION

### PROPOSED WORKS LEGEND

- PROPOSED CONTOURS
- CATCHMENT EXTENT
- LEND LEASE BOUNDARY
- SITE BOUNDARY
- PROPOSED CULVERT AND HEADWALL
- CUT AREA
- FILL AREA
- PROPOSED STORMWATER PIT
- BATTER SLOPE
- BATTERS
- SCOUR PROTECTION
- STORMWATER PIPELINE
- DRAINAGE LINE AND PIT No.
- CRITICAL SAFETY ITEM
- FLUSH KERB REFER DRAWING '???' FOR DETAIL.
- KERB RETURN NUMBER
- ASPHALTIC FLEXIBLE ROAD PAVEMENT LAYER WORKS
- SPRAY SEAL PAVEMENT
- PROPOSED RETAINING WALL
- FUTURE DUNHEVED DEVELOPMENT

| Rev. | Date       | Description            | Des. | Verif. | Appd. |
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| 1    | 20/04/2015 | SECTION 96 APPLICATION | DAC  | SCP    | SCP   |



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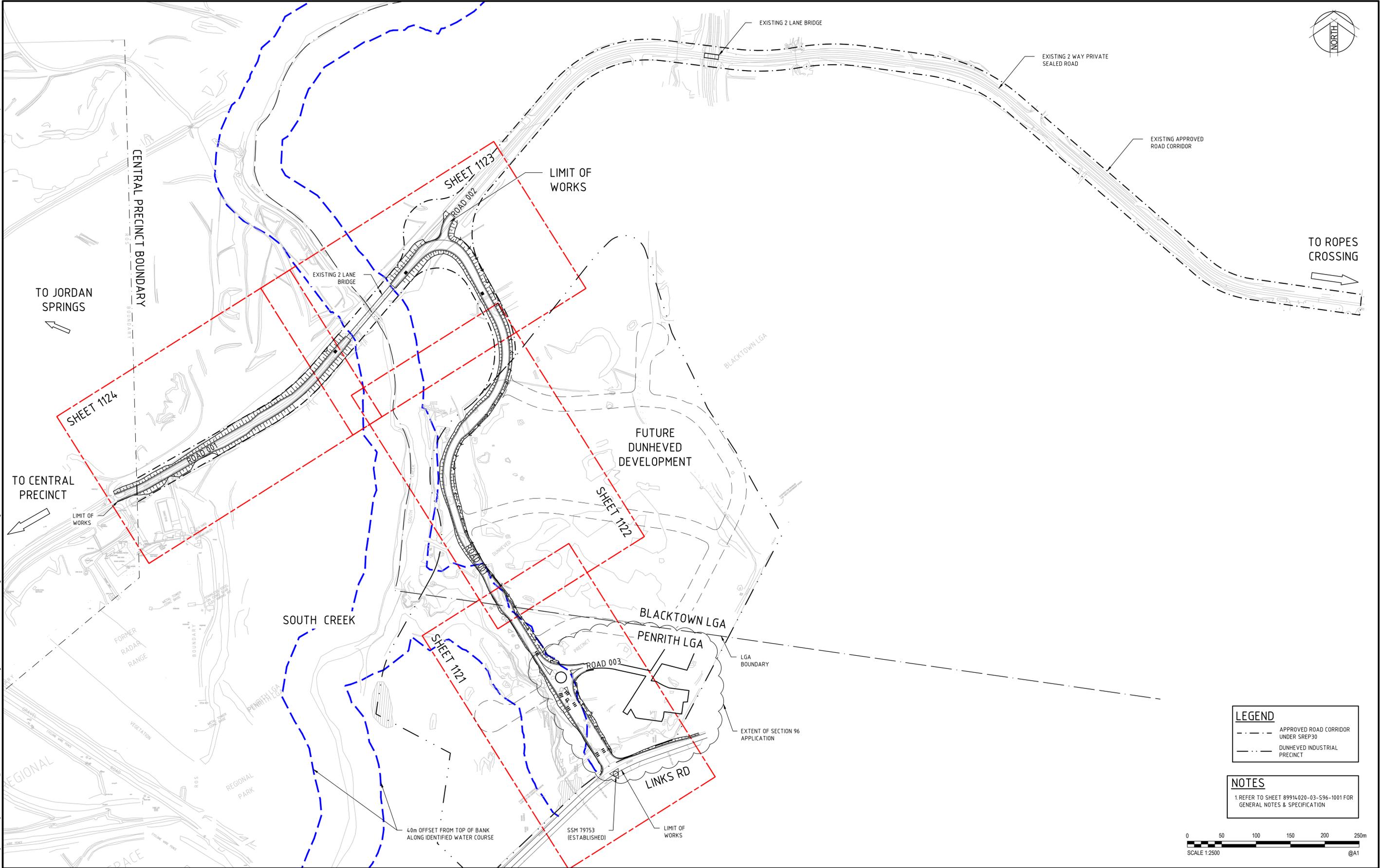
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| Drawn    | Date       | Client                           |
| BJH      | 20/04/2015 | LEND LEASE                       |
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| SCP      | 20/04/2015 | CENTRAL PRECINCT                 |
| Designed | Date       |                                  |
| DAC      | 20/04/2015 | HAUL ROAD                        |
| Verified | Date       |                                  |
| SCP      | 20/04/2015 | SECTION 96 APPLICATION           |
| Approved | Date       | Title                            |
| SCP      | 20/04/2015 | GENERAL NOTES AND SPECIFICATIONS |

|                      |      |       |          |
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| Status               |      |       |          |
| FOR CONSTRUCTION     |      |       |          |
| Datum                | Date | Scale | Size     |
| AHD                  |      | N.T.S | A1       |
| Drawing Number       |      |       | Revision |
| 89914020-03-S96-1001 |      |       | 1        |

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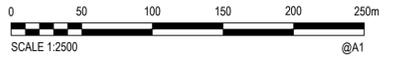
XREF.s: 89914020-X-03-CC-Survey; 89914020-X-03-CC-Aerial; 89914020-X-03-CC-RD; Design; Outline; 89914020-X-03-CC-LEGEND; 89914020-X-03-CC-Stage 1 Boundary; CAD File: \\cardno.corp\g\all\AU\NSW\Director\Structure\Projects\89914020\_CENTRAL\_PRECINCT\_ADI\_ST MARYS\Drawings\03 Haul Road\03-596-1010.dwg



**LEGEND**

|  |                                     |
|--|-------------------------------------|
|  | APPROVED ROAD CORRIDOR UNDER SREP30 |
|  | DUNHEVED INDUSTRIAL PRECINCT        |

**NOTES**  
1 REFER TO SHEET 89914020-03-596-1001 FOR GENERAL NOTES & SPECIFICATION



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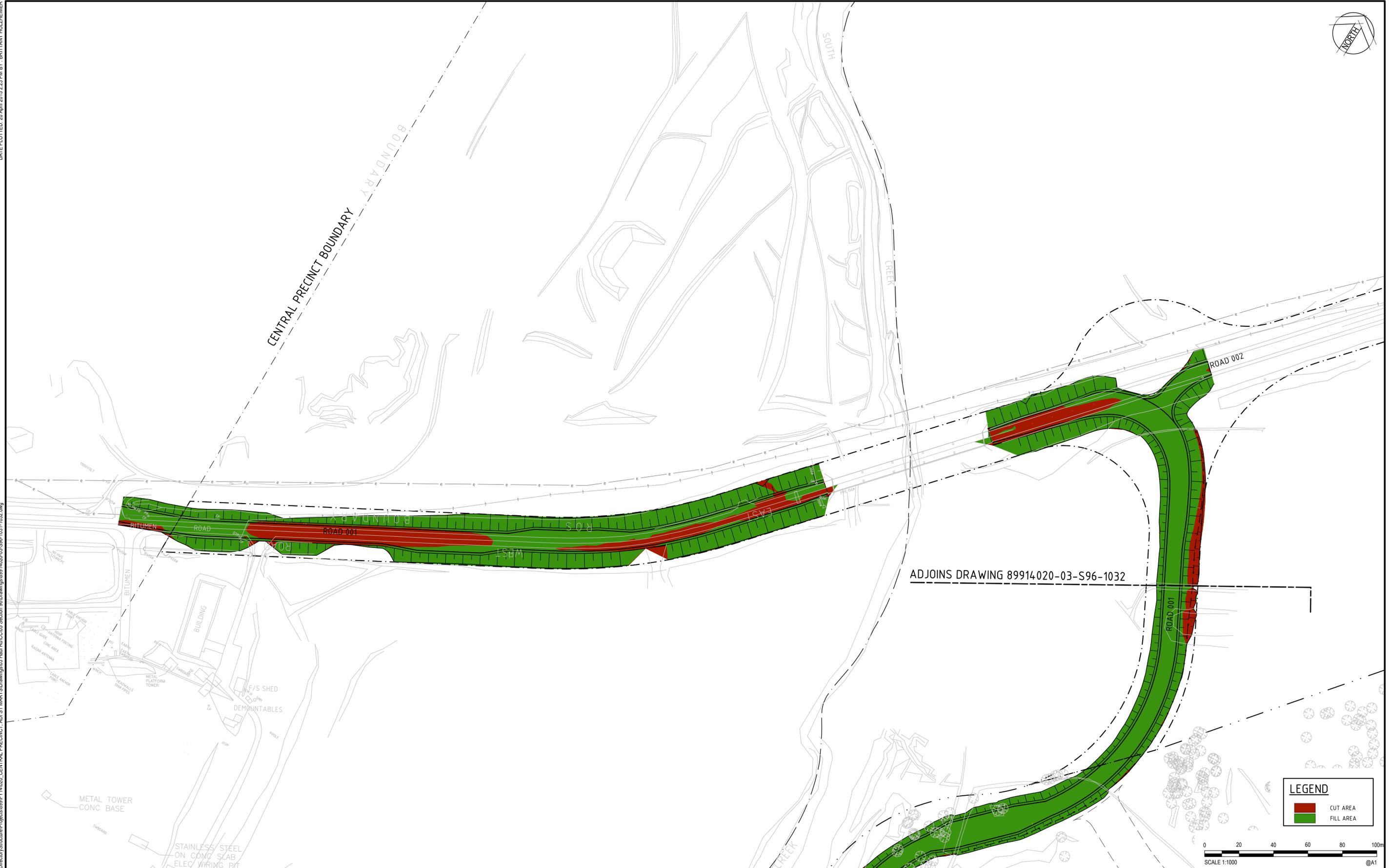
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| Client  | LEND LEASE  |
| Project | CENTRAL PRECINCT<br>HAUL ROAD<br>SECTION 96 APPLICATION |
| Title   | GENERAL ARRANGEMENT PLAN                                |

|                |                      |      |  |                         |        |      |    |
|----------------|----------------------|------|--|-------------------------|--------|------|----|
| Status         |                      |      |  | <b>FOR CONSTRUCTION</b> |        |      |    |
| Datum          | AHD                  | Date |  | Scale                   | 1:2500 | Size | A1 |
| Drawing Number | 89914020-03-596-1010 |      |  | Revision                | 1      |      |    |



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| Designed | Date       | HAUL ROAD              |
| DAC      | 20/04/2015 | SECTION 96 APPLICATION |
| Verified | Date       | Title                  |
| SCP      | 20/04/2015 | CUT/FILL PLAN          |
| Approved | Date       | SHEET 1                |
| SCP      | 20/04/2015 |                        |

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| Drawing Number          |      |        | Revision |
| 89914020-03-S96-1031    |      |        | 1        |

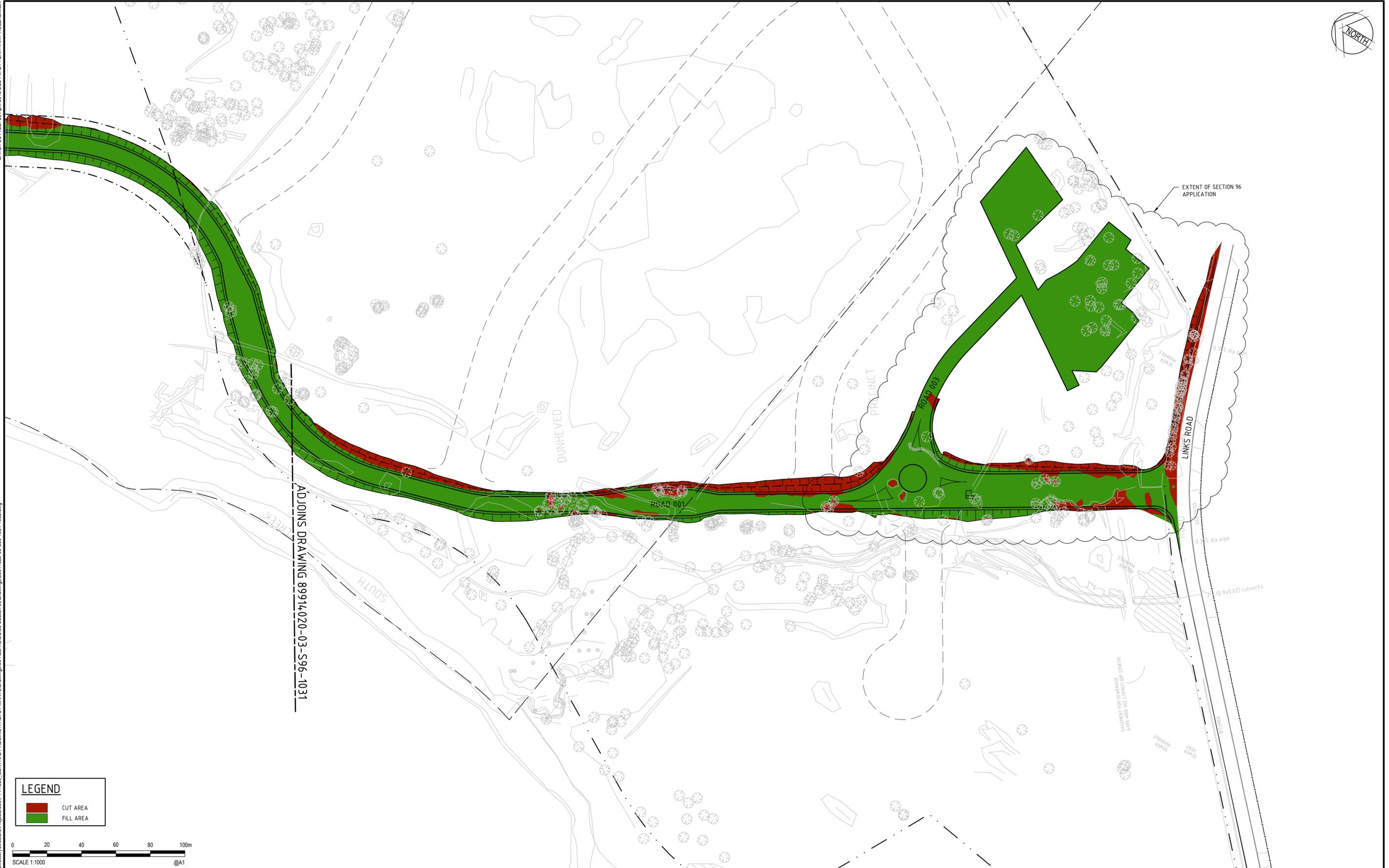
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**LEGEND**

CUT AREA

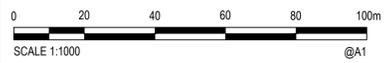
FILL AREA

DATE PLOTTED: 20 April 2015 2:23 PM BY: BRITTANY HOLZHEIMER



ADJOINS DRAWING 89914020-03-S96-1031

| LEGEND   |           |
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|------|------------|------------------------|------|--------|-------|
| 1    | 20/04/2015 | SECTION 96 APPLICATION | DAC  | SCP    | SCP   |



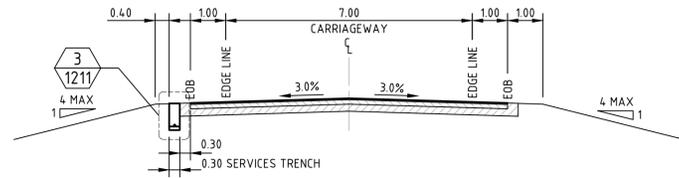
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| SCP      | 20/04/2015 | CENTRAL PRECINCT       |
| Designed | Date       | HAUL ROAD              |
| DAC      | 20/04/2015 | SECTION 96 APPLICATION |
| Verified | Date       | Title                  |
| SCP      | 20/04/2015 | CUT/FILL PLAN SHEET 2  |
| Approved | Date       |                        |
| SCP      | 20/04/2015 |                        |

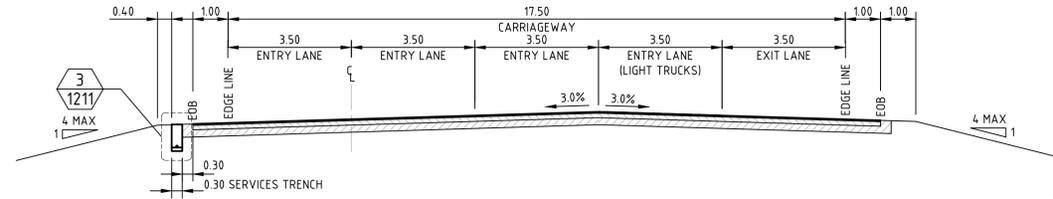
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| Drawing Number       | Revision |        |      |
| 89914020-03-S96-1032 | 1        |        |      |

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| Status | <b>FOR CONSTRUCTION</b> |  |  |
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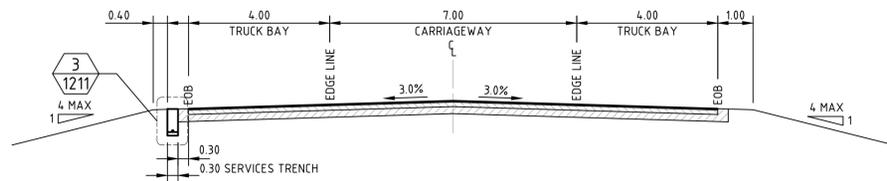
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ROAD TYPE 1**

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CH340-560  
CH630-990  
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CH 1350-1505  
ROAD 02 CH0-50



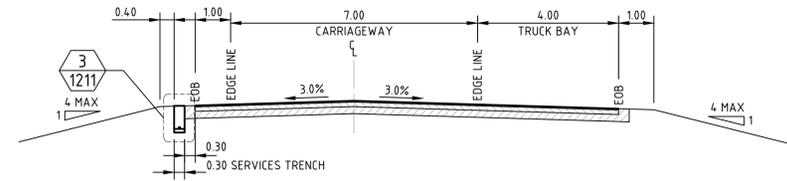
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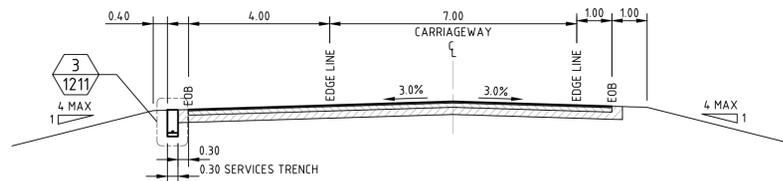
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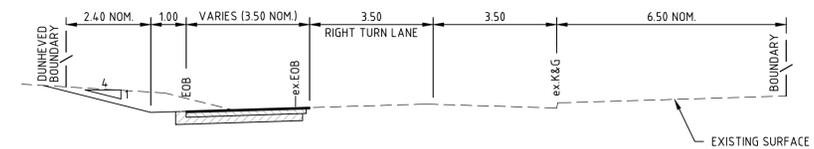
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ROAD TYPE 4**

SCALE 1:100  
ROAD 01 CH1210-1275



**TYPICAL ROAD CROSS SECTION  
ROAD TYPE 5**

SCALE 1:100  
ROAD 01 CH1275-1350



**TYPICAL ROAD CROSS SECTION  
LINKS ROAD**

SCALE 1:100

**NOTES**

REFER TO SHEET 89914020-S96-03-1001 FOR GENERAL NOTES AND SPECIFICATION



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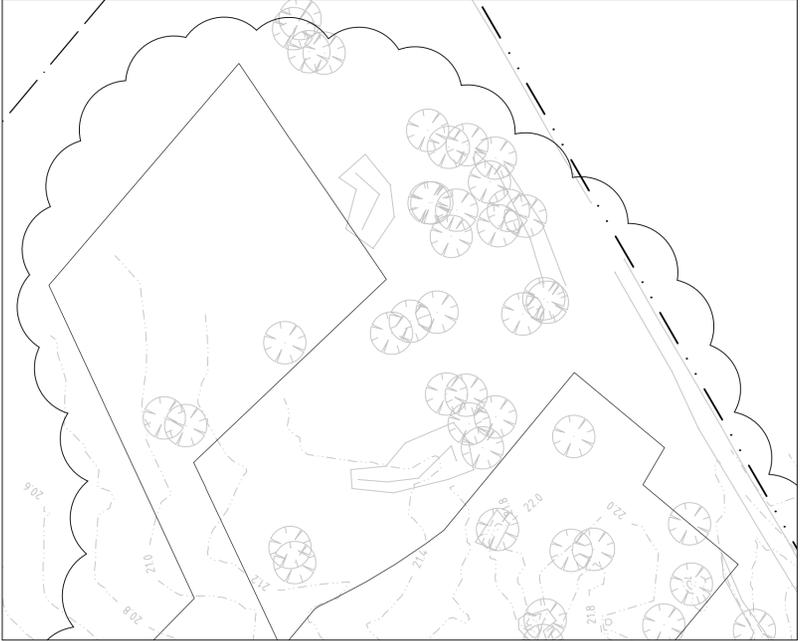
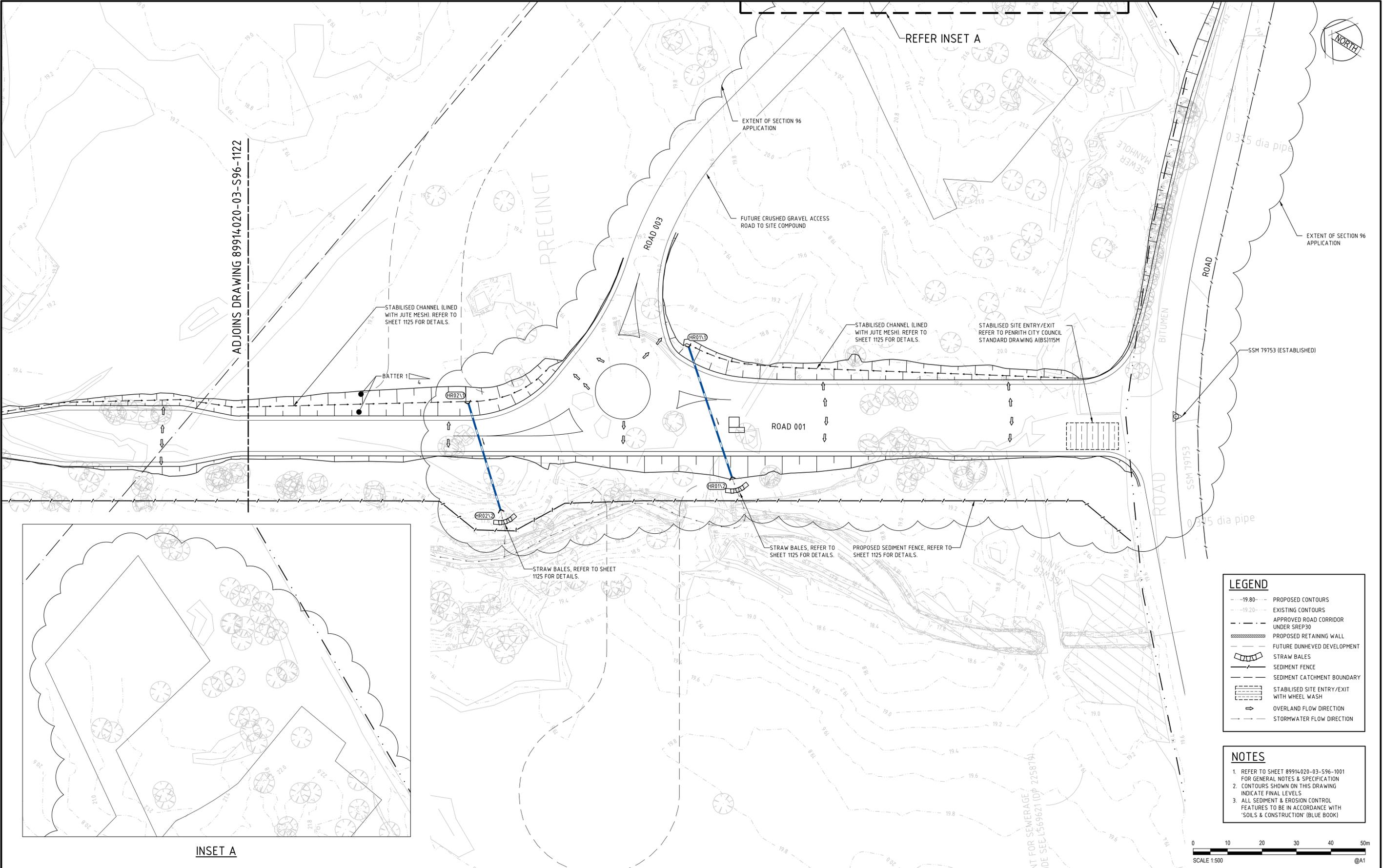


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| SCP      | 20/04/2015 | CENTRAL PRECINCT           |
| Designed | Date       | Project                    |
| DAC      | 20/04/2015 | HAUL ROAD                  |
| Verified | Date       | Project                    |
| SCP      | 20/04/2015 | SECTION 96 APPLICATION     |
| Approved | Date       | Title                      |
| SCP      | 20/04/2015 | TYPICAL ROAD CROSS SECTION |

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|----------------------|-------------------------|-------|------|
| Status               | <b>FOR CONSTRUCTION</b> |       |      |
| Datum                | Date                    | Scale | Size |
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| Drawing Number       | Revision                |       |      |
| 89914020-03-S96-1050 | 1                       |       |      |



INSET A

| LEGEND |  |
|--------|--|
|        | PROPOSED CONTOURS                          |
|        | EXISTING CONTOURS                          |
|        | APPROVED ROAD CORRIDOR UNDER SREP30        |
|        | PROPOSED RETAINING WALL                    |
|        | FUTURE DUNEHEVED DEVELOPMENT               |
|        | STRAW BALES                                |
|        | SEDIMENT FENCE                             |
|        | SEDIMENT CATCHMENT BOUNDARY                |
|        | STABILISED SITE ENTRY/EXIT WITH WHEEL WASH |
|        | OVERLAND FLOW DIRECTION                    |
|        | STORMWATER FLOW DIRECTION                  |

- NOTES**
- REFER TO SHEET 89914020-03-S96-1001 FOR GENERAL NOTES & SPECIFICATION
  - CONTOURS SHOWN ON THIS DRAWING INDICATE FINAL LEVELS
  - ALL SEDIMENT & EROSION CONTROL FEATURES TO BE IN ACCORDANCE WITH 'SOILS & CONSTRUCTION' (BLUE BOOK)



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| SCP      | 20/04/2015 | CENTRAL PRECINCT                        |
| Designed | Date       |   |
| DAC      | 20/04/2015 | HAUL ROAD                               |
| Verified | Date       |   |
| SCP      | 20/04/2015 | SECTION 96 APPLICATION                  |
| Approved | Date       | Title                                   |
| SCP      | 20/04/2015 | EROSION & SEDIMENT CONTROL PLAN SHEET 1 |

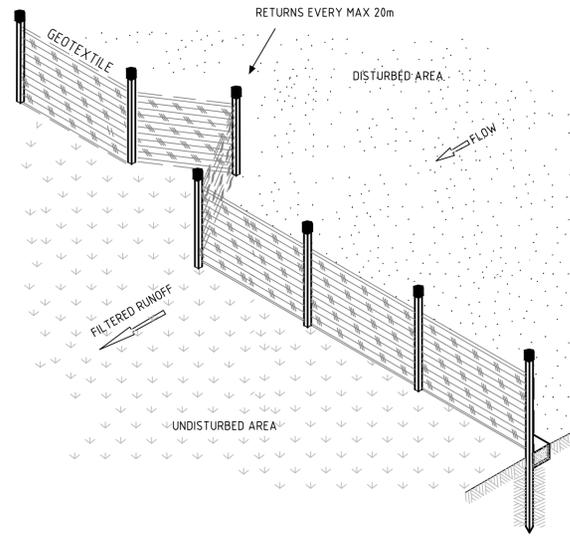
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Status: **FOR CONSTRUCTION**

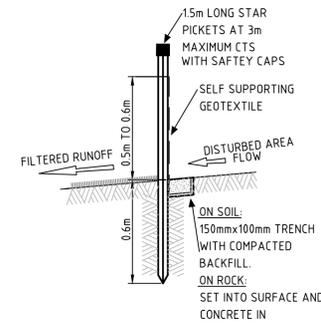




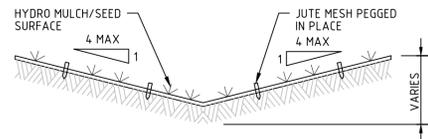




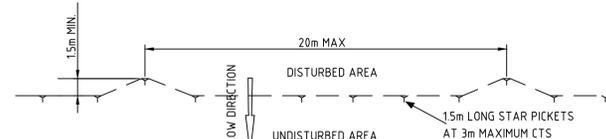
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NOT TO SCALE



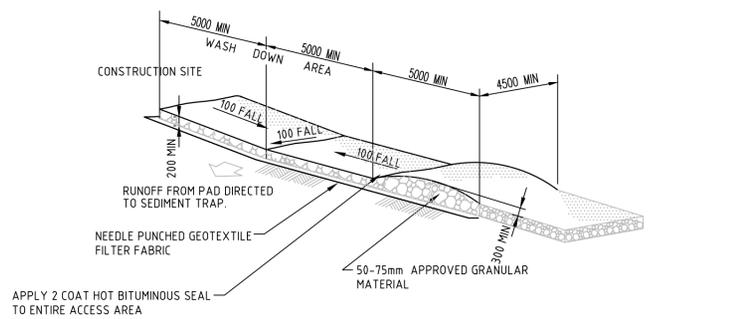
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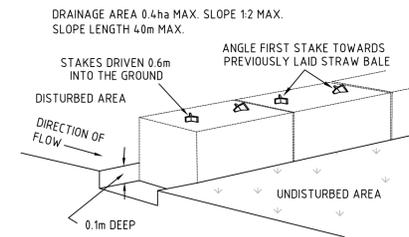
STABILISED CHANNEL  
NOT TO SCALE



SEDIMENT FENCE PLAN  
NOT TO SCALE



STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA  
NTS



STRAW BALE SEDIMENT FILTER  
NOT TO SCALE

**NOTES**  
REFER TO SHEET 89914020-03-S96-1001 FOR GENERAL NOTES AND LEGEND

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| 1    | 20/04/2015 | SECTION 96 APPLICATION | DAC  | SCP    | SCP   |



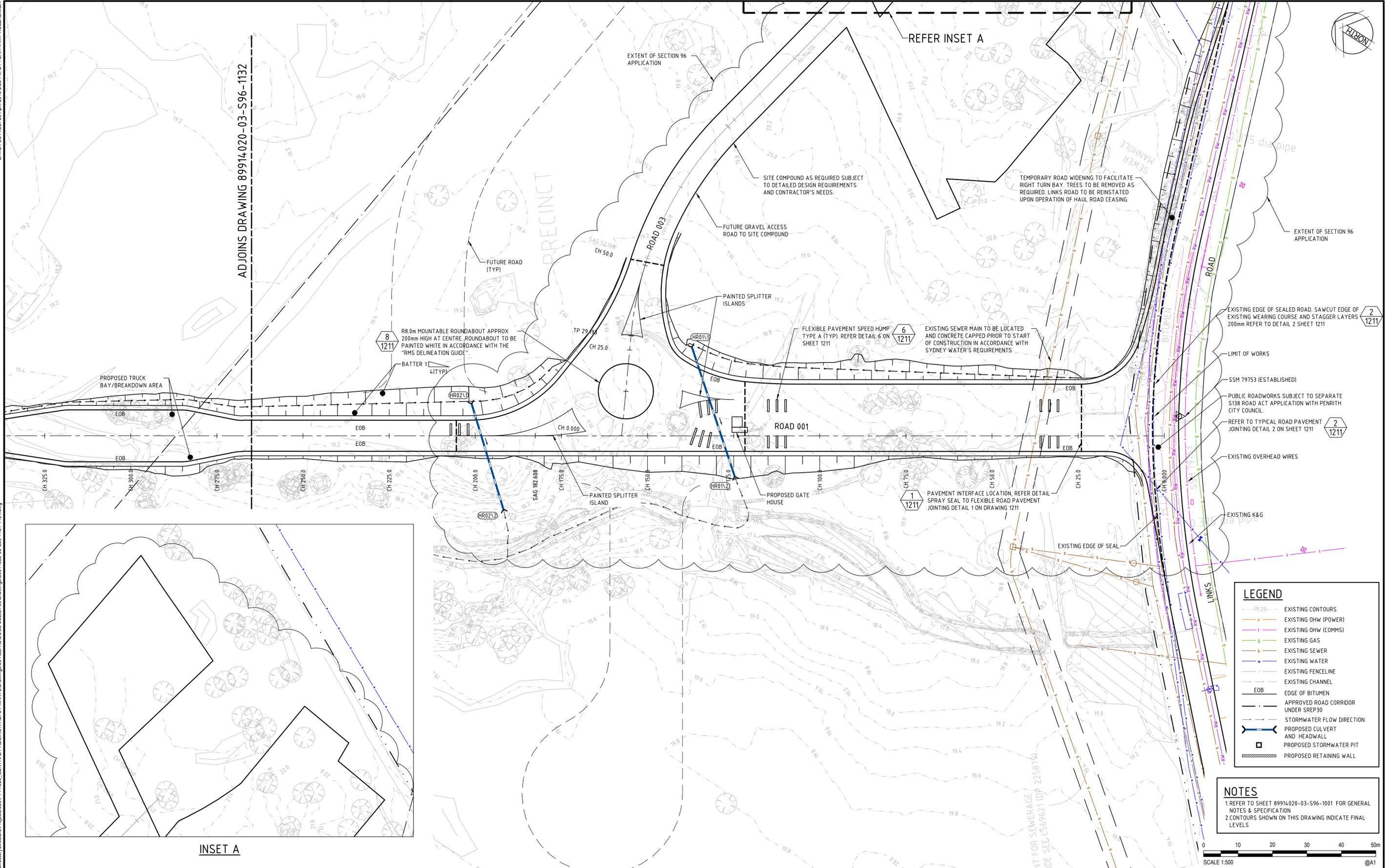
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| Designed | Date       | HAUL ROAD                                  |
| DAC      | 20/04/2015 | SECTION 96 APPLICATION                     |
| Verified | Date       | Title                                      |
| SCP      | 20/04/2015 | EROSION & SEDIMENT CONTROL TYPICAL DETAILS |
| Approved | Date       |  |
| SCP      | 20/04/2015 |  |

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| Drawing Number       |      | Revision |      |
| 89914020-03-S96-1125 |      | 1        |      |

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INSET A

| LEGEND |                                     |
|--------|-------------------------------------|
|        | EXISTING CONTOURS                   |
|        | EXISTING OHW (POWER)                |
|        | EXISTING OHW (COMMS)                |
|        | EXISTING GAS                        |
|        | EXISTING SEWER                      |
|        | EXISTING WATER                      |
|        | EXISTING FENCELINE                  |
|        | EXISTING CHANNEL                    |
|        | EDGE OF BITUMEN                     |
|        | APPROVED ROAD CORRIDOR UNDER SREP30 |
|        | STORMWATER FLOW DIRECTION           |
|        | PROPOSED CULVERT AND HEADWALL       |
|        | PROPOSED STORMWATER PIT             |
|        | PROPOSED RETAINING WALL             |

| NOTES |   |
|-------|---|
| 1.    | REFER TO SHEET 89914020-03-S96-1001 FOR GENERAL NOTES & SPECIFICATION |
| 2.    | CONTOURS SHOWN ON THIS DRAWING INDICATE FINAL LEVELS                  |



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| Designed | DAC | Date | 20/04/2015 |
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| Approved | SCP | Date | 20/04/2015 |

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|---------|---|
| Client  | LEND LEASE  |
| Project | CENTRAL PRECINCT<br>HAUL ROAD<br>SECTION 96 APPLICATION |
| Title   | ROAD AND STORMWATER PLAN<br>SHEET 1                     |

|                |                      |       |          |
|----------------|----------------------|-------|----------|
| Status         | FOR CONSTRUCTION     |       |          |
| Datum          | AHD                  | Scale | 1:500    |
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| Drawing Number | 89914020-03-S96-1131 |       | Revision |
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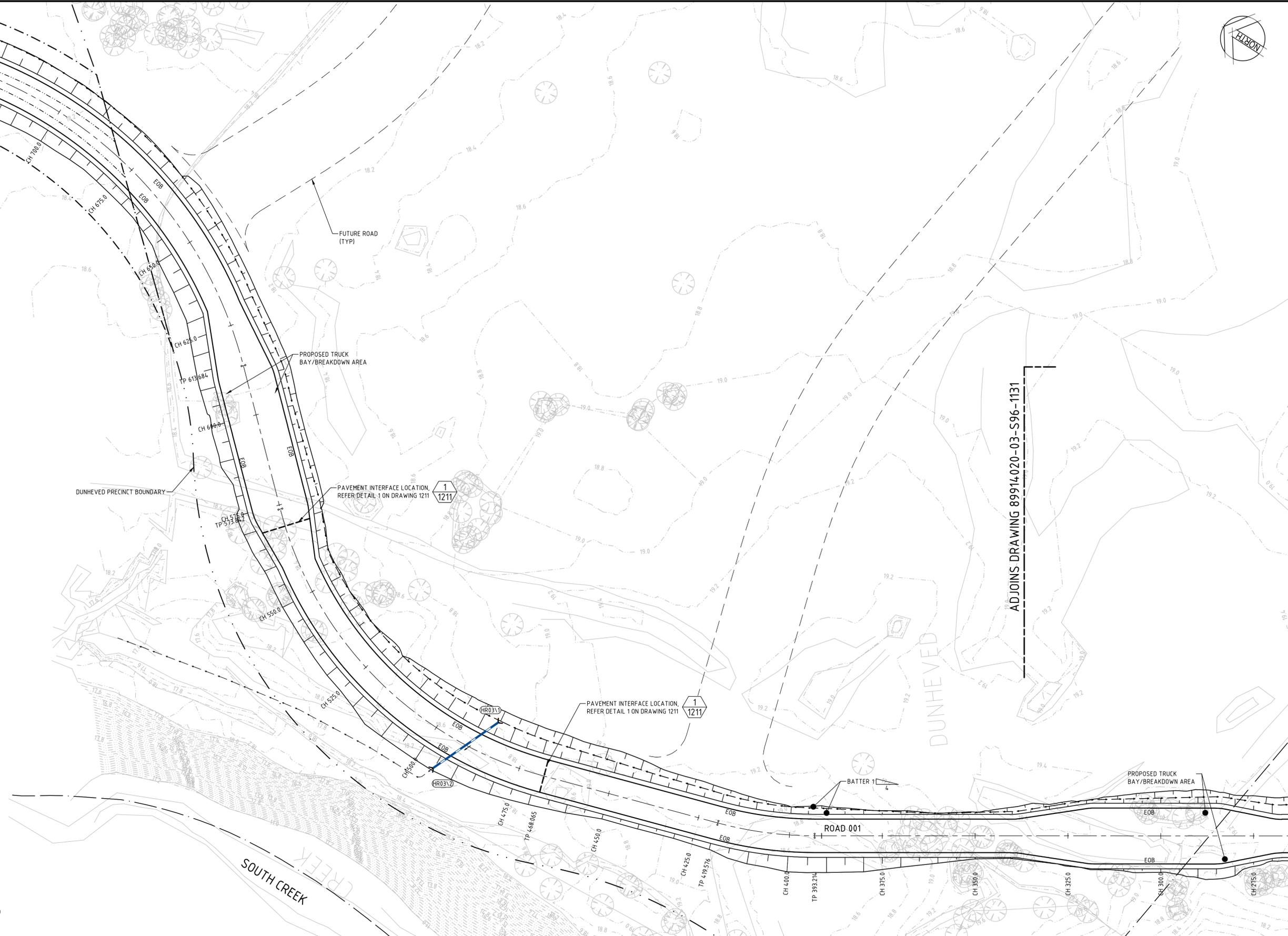
ADJOINS DRAWING 89914020-03-S96-1131

**LEGEND**

- EXISTING CONTOURS
- EXISTING OHW (POWER)
- EXISTING OHW (COMMS)
- EXISTING GAS
- EXISTING SEWER
- EXISTING WATER
- EXISTING FENCELINE
- EXISTING CHANNEL
- EOB
- EDGE OF BITUMEN
- APPROVED ROAD CORRIDOR UNDER SREP30
- STORMWATER FLOW DIRECTION
- PROPOSED CULVERT AND HEADWALL
- PROPOSED STORMWATER PIT
- PROPOSED RETAINING WALL

**NOTES**

1. REFER TO SHEET 89914020-03-S96-1001 FOR GENERAL NOTES & SPECIFICATION
2. CONTOURS SHOWN ON THIS DRAWING INDICATE FINAL LEVELS



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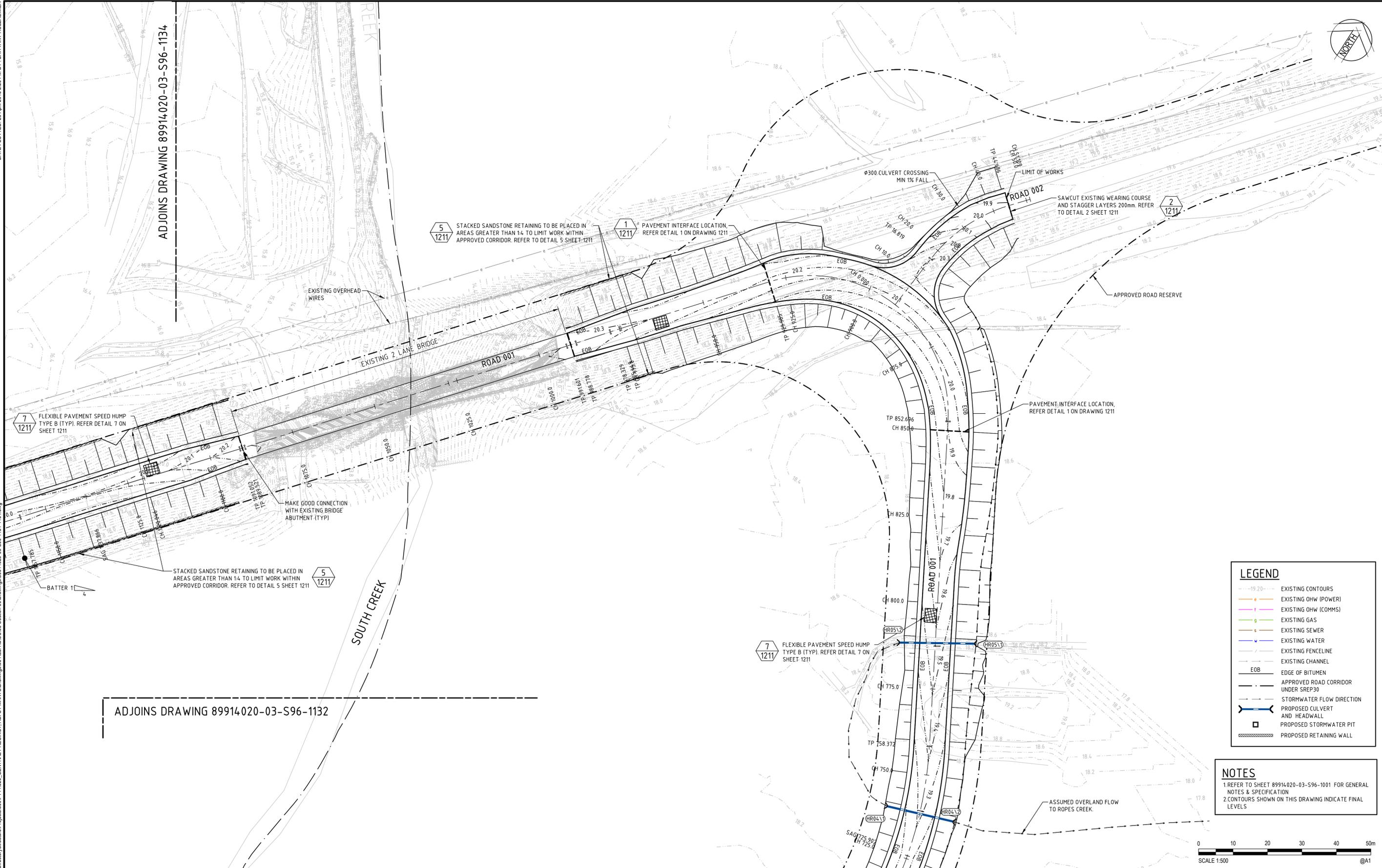
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| Designed | Date       | Project                          |
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| Verified | Date       | Project                          |
| SCP      | 20/04/2015 | SECTION 96 APPLICATION           |
| Approved | Date       | Title                            |
| SCP      | 20/04/2015 | ROAD AND STORMWATER PLAN SHEET 2 |

|                      |          |       |      |
|----------------------|----------|-------|------|
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| AHD                  |          | 1:500 | A1   |
| Drawing Number       | Revision |       |      |
| 89914020-03-S96-1132 | 1        |       |      |

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ADJOINS DRAWING 89914020-03-S96-1134



7  
1211  
FLEXIBLE PAVEMENT SPEED HUMP  
TYPE B (TYP). REFER DETAIL 7 ON  
SHEET 1211

5  
1211  
STACKED SANDSTONE RETAINING TO BE PLACED IN  
AREAS GREATER THAN 1:4 TO LIMIT WORK WITHIN  
APPROVED CORRIDOR. REFER TO DETAIL 5 SHEET 1211

1  
1211  
PAVEMENT INTERFACE LOCATION,  
REFER DETAIL 1 ON DRAWING 1211

2  
1211  
SAWCUT EXISTING WEARING COURSE  
AND STAGGER LAYERS 200mm. REFER  
TO DETAIL 2 SHEET 1211

7  
1211  
FLEXIBLE PAVEMENT SPEED HUMP  
TYPE B (TYP). REFER DETAIL 7 ON  
SHEET 1211

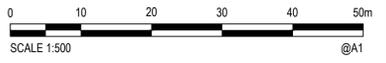
5  
1211  
STACKED SANDSTONE RETAINING TO BE PLACED IN  
AREAS GREATER THAN 1:4 TO LIMIT WORK WITHIN  
APPROVED CORRIDOR. REFER TO DETAIL 5 SHEET 1211

7  
1211  
FLEXIBLE PAVEMENT SPEED HUMP  
TYPE B (TYP). REFER DETAIL 7 ON  
SHEET 1211

ADJOINS DRAWING 89914020-03-S96-1132

| LEGEND |  |
|--------|--|
|        | EXISTING CONTOURS                      |
|        | EXISTING OHW (POWER)                   |
|        | EXISTING OHW (COMMS)                   |
|        | EXISTING GAS                           |
|        | EXISTING SEWER                         |
|        | EXISTING WATER                         |
|        | EXISTING FENCELINE                     |
|        | EXISTING CHANNEL                       |
|        | EOB                                    |
|        | APPROVED ROAD CORRIDOR<br>UNDER SREP30 |
|        | STORMWATER FLOW DIRECTION              |
|        | PROPOSED CULVERT<br>AND HEADWALL       |
|        | PROPOSED STORMWATER PIT                |
|        | PROPOSED RETAINING WALL                |

| NOTES |   |
|-------|---|
| 1     | REFER TO SHEET 89914020-03-S96-1001 FOR GENERAL NOTES & SPECIFICATION |
| 2     | CONTOURS SHOWN ON THIS DRAWING INDICATE FINAL LEVELS                  |



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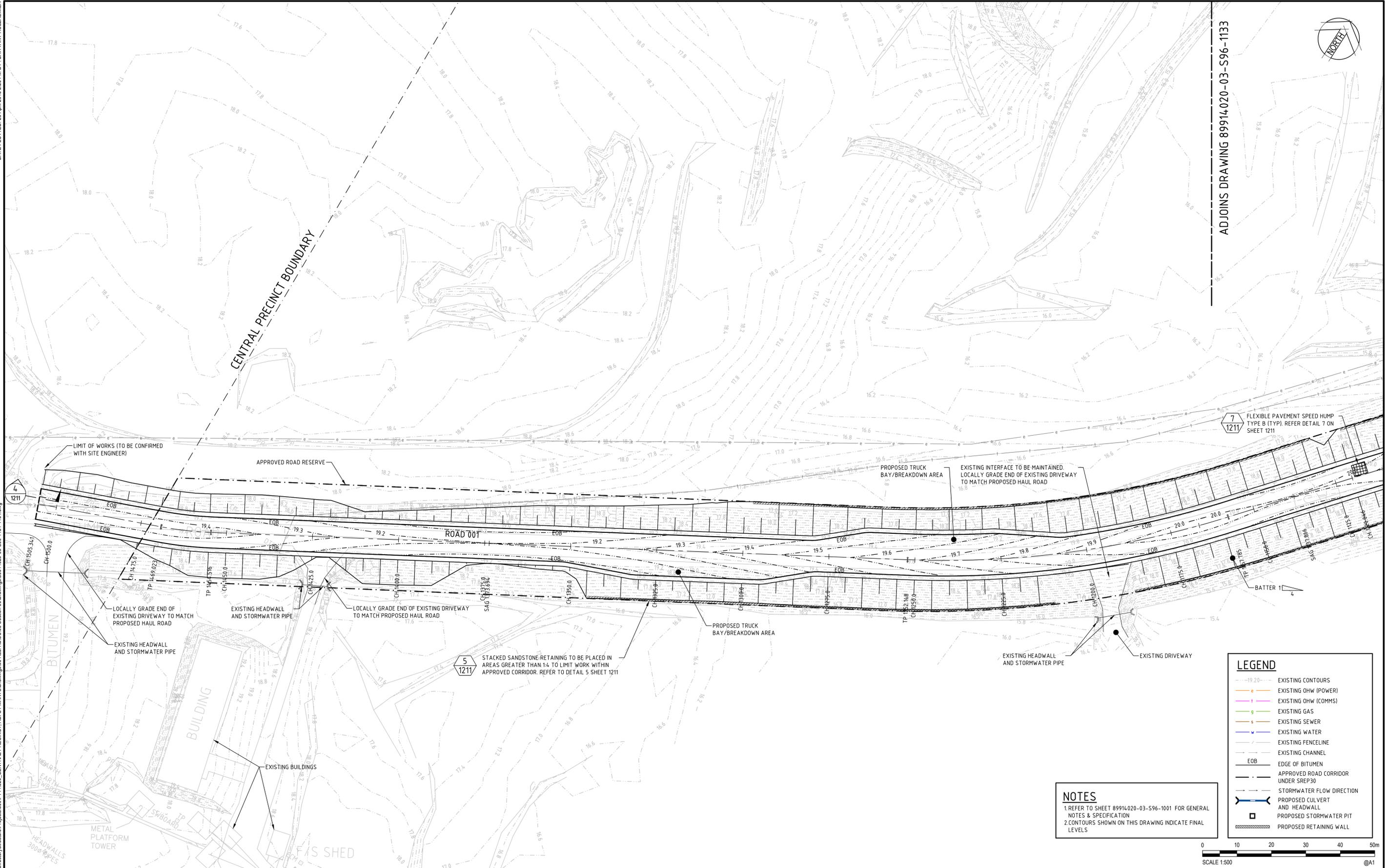


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| Designed | Date       | HAUL ROAD                |
| DAC      | 20/04/2015 | SECTION 96 APPLICATION   |
| Verified | Date       | Title                    |
| SCP      | 20/04/2015 | ROAD AND STORMWATER PLAN |
| Approved | Date       | SHEET 3                  |
| SCP      | 20/04/2015 |                          |

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| Drawing Number       | Revision                |       |      |
| 89914020-03-S96-1133 | 1                       |       |      |



ADJOINS DRAWING 89914020-03-S96-1133

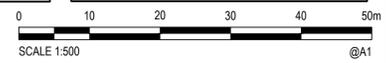


**LEGEND**

- 19.20- EXISTING CONTOURS
- e- EXISTING OHW (POWER)
- c- EXISTING OHW (COMMS)
- g- EXISTING GAS
- s- EXISTING SEWER
- w- EXISTING WATER
- f- EXISTING FENCELINE
- ch- EXISTING CHANNEL
- EOB- EDGE OF BITUMEN
- COR- APPROVED ROAD CORRIDOR UNDER SREP30
- SFP- STORMWATER FLOW DIRECTION
- CUL- PROPOSED CULVERT AND HEADWALL
- PIT- PROPOSED STORMWATER PIT
- RW- PROPOSED RETAINING WALL

**NOTES**

- REFER TO SHEET 89914020-03-S96-1001 FOR GENERAL NOTES & SPECIFICATION
- CONTOURS SHOWN ON THIS DRAWING INDICATE FINAL LEVELS



| Rev. | Date       | Description            | Des. | Verif. | Appd. |
|------|------------|------------------------|------|--------|-------|
| 1    | 20/04/2015 | SECTION 96 APPLICATION | DAC  | SCP    | SCP   |

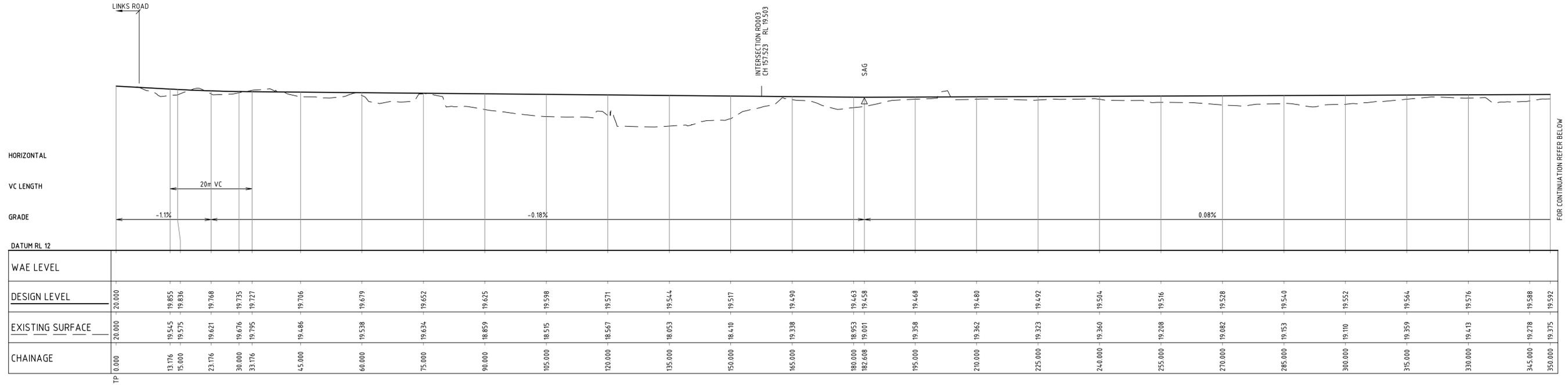


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| BJH      | 20/04/2015 | LEND LEASE               |
| Checked  | Date       | Project                  |
| SCP      | 20/04/2015 | CENTRAL PRECINCT         |
| Designed | Date       | HAUL ROAD                |
| DAC      | 20/04/2015 | SECTION 96 APPLICATION   |
| Verified | Date       | Title                    |
| SCP      | 20/04/2015 | ROAD AND STORMWATER PLAN |
| Approved | Date       | SHEET 4                  |
| SCP      | 20/04/2015 |                          |

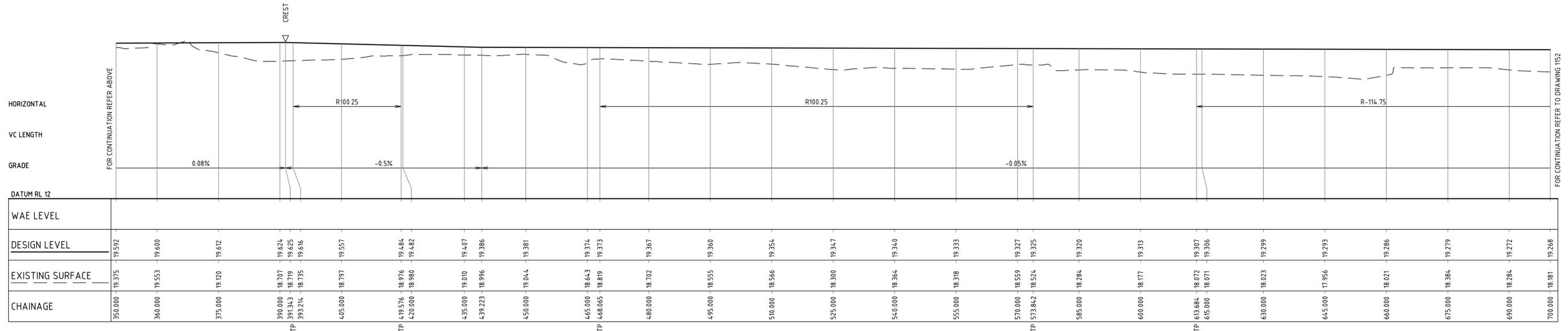
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| AHD                     |      | 1:500 | A1       |
| Drawing Number          |      |       | Revision |
| 89914020-03-S96-1134    |      |       | 1        |



**CTRL ROAD 001 LONGITUDINAL SECTION**

1:500 HORI.  
1:100 VERT.

FOR CONTINUATION REFER BELOW



**CTRL ROAD 001 LONGITUDINAL SECTION**

1:500 HORI.  
1:100 VERT.

FOR CONTINUATION REFER TO DRAWING 1152



| Rev. | Date       | Description            | Des. | Verif. | Appd. |
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| 1    | 20/04/2015 | SECTION 96 APPLICATION | DAC  | SCP    | SCP   |



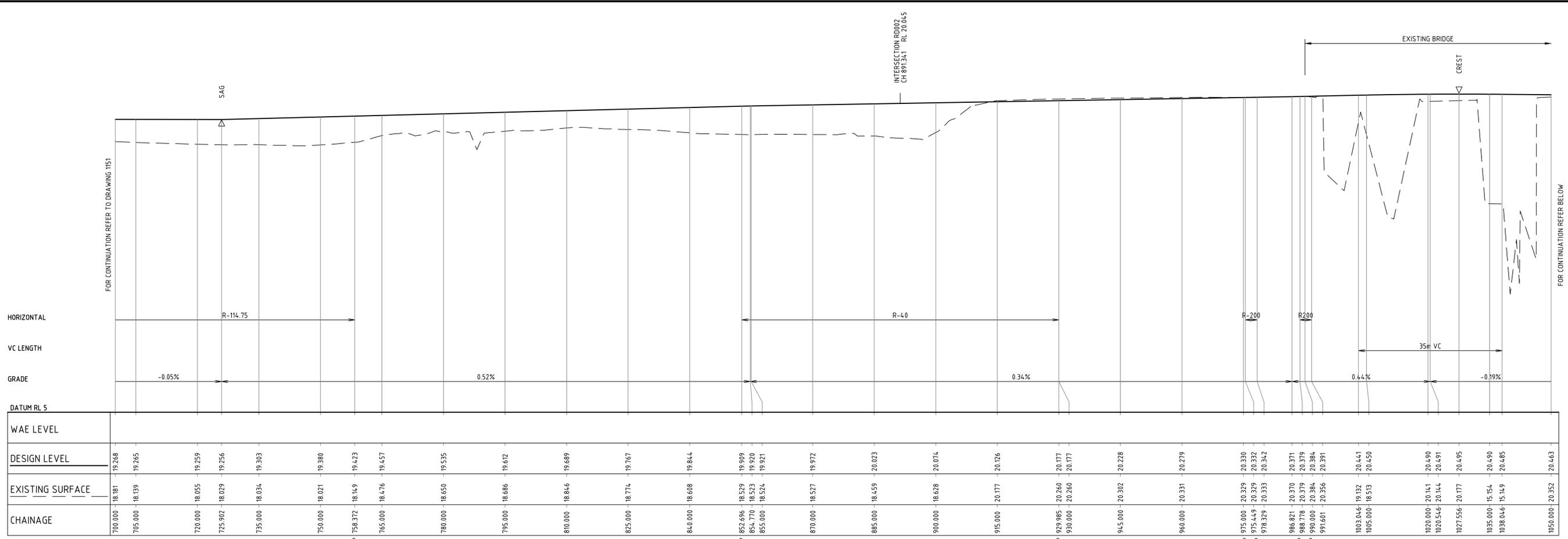
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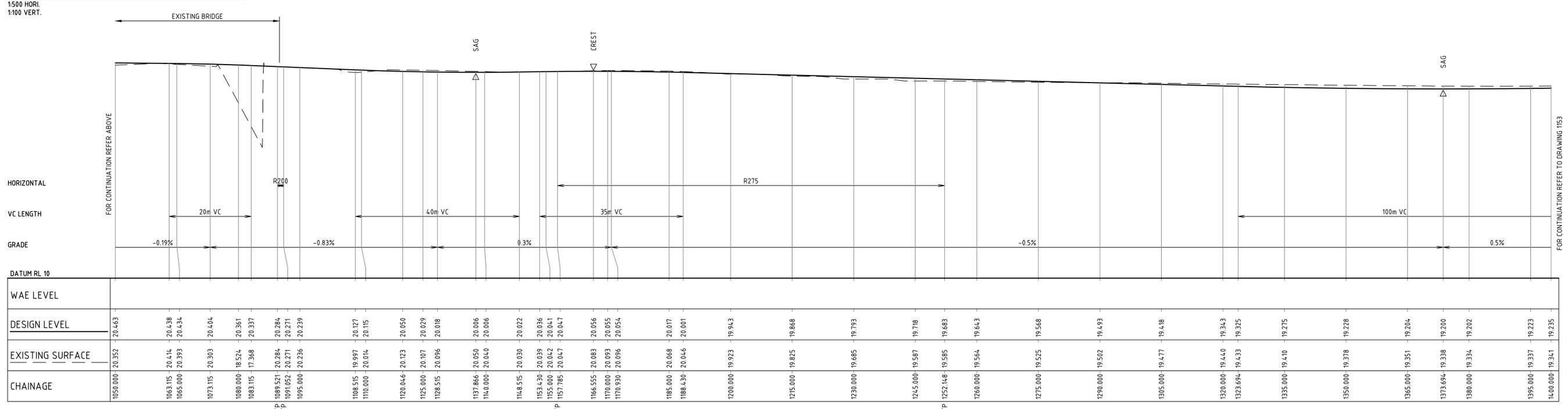
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| Drawn    | Date       | Client                     |
| BJH      | 20/04/2015 | LEND LEASE                 |
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| SCP      | 20/04/2015 | CENTRAL PRECINCT           |
| Designed | Date       | Project                    |
| DAC      | 20/04/2015 | HAUL ROAD                  |
| Verified | Date       | Project                    |
| SCP      | 20/04/2015 | SECTION 96 APPLICATION     |
| Approved | Date       | Title                      |
| SCP      | 20/04/2015 | ROAD LONGITUDINAL SECTIONS |
|          |            | SHEET 1 ROAD 001           |

|                      |          |          |      |
|----------------------|----------|----------|------|
| Datum                | Date     | Scale    | Size |
| AHD                  |          | AS SHOWN | A1   |
| Drawing Number       | Revision |          |      |
| 89914020-03-S96-1151 | 1        |          |      |

**FOR CONSTRUCTION**



CTRL ROAD 001 LONGITUDINAL SECTION



CTRL ROAD 001 LONGITUDINAL SECTION



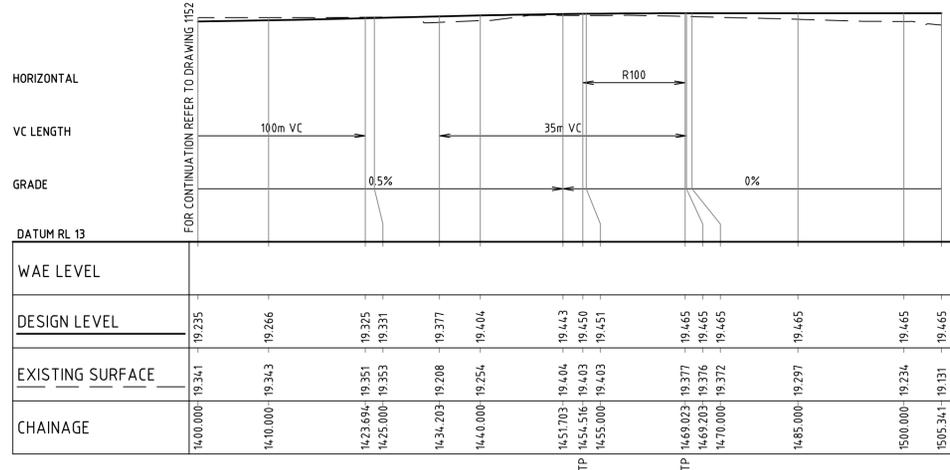
| Rev. | Date       | Description            | Des. | Verif. | Appd. |
|------|------------|------------------------|------|--------|-------|
| 1    | 20/04/2015 | SECTION 96 APPLICATION | DAC  | SCP    | SCP   |

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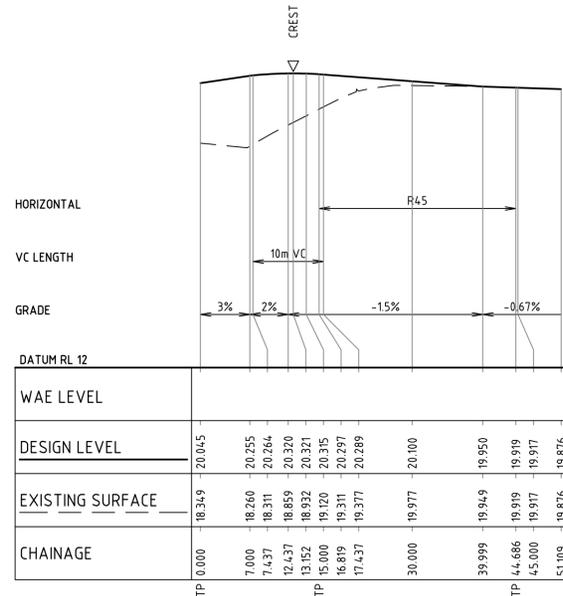
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| Drawn    | Date       | Client                     |
| BJH      | 20/04/2015 | LEND LEASE                 |
| Checked  | Date       | Project                    |
| SCP      | 20/04/2015 | CENTRAL PRECINCT           |
| Designed | Date       | HAUL ROAD                  |
| DAC      | 20/04/2015 | SECTION 96 APPLICATION     |
| Verified | Date       | Title                      |
| SCP      | 20/04/2015 | ROAD LONGITUDINAL SECTIONS |
| Approved | Date       | SHEET 2 ROAD 001           |
| SCP      | 20/04/2015 |                            |

|                      |                  |          |      |
|----------------------|------------------|----------|------|
| Status               | FOR CONSTRUCTION |          |      |
| Datum                | Date             | Scale    | Size |
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| Drawing Number       | Revision         |          |      |
| 89914020-03-S96-1152 | 1                |          |      |



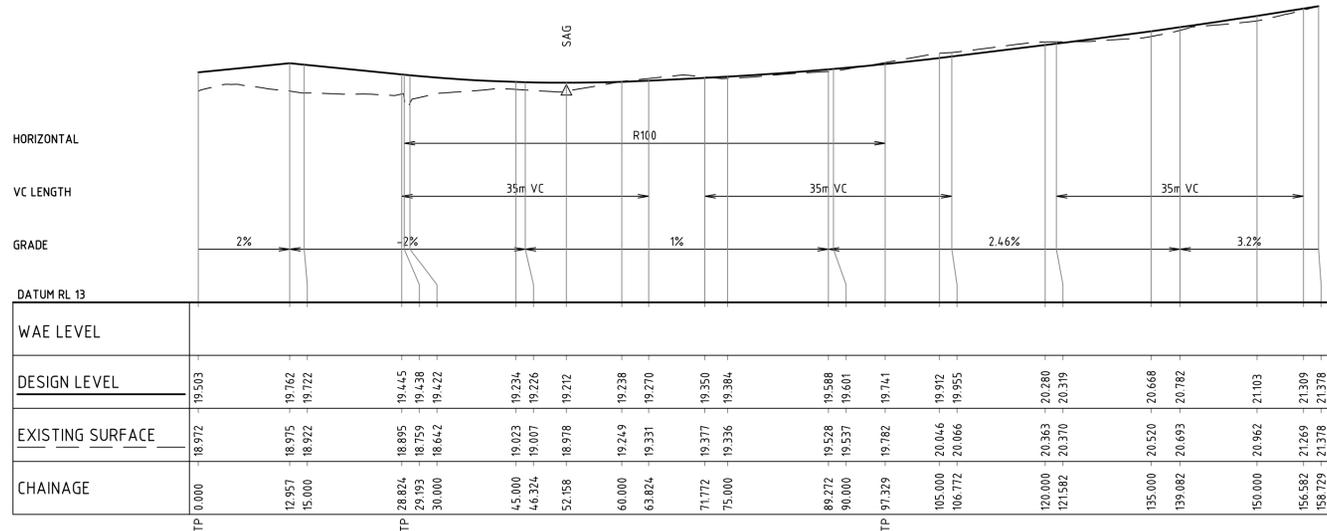
CTRL ROAD 001 LONGITUDINAL SECTION

1:500 HORI.  
1:100 VERT.



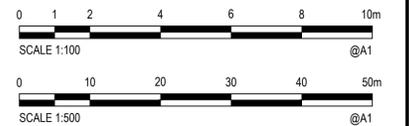
CTRL ROAD 002 LONGITUDINAL SECTION

1:500 HORI.  
1:100 VERT.



CTRL ROAD 003 LONGITUDINAL SECTION

1:500 HORI.  
1:100 VERT.



| Rev. | Date       | Description            | Des. | Verif. | Appd. |
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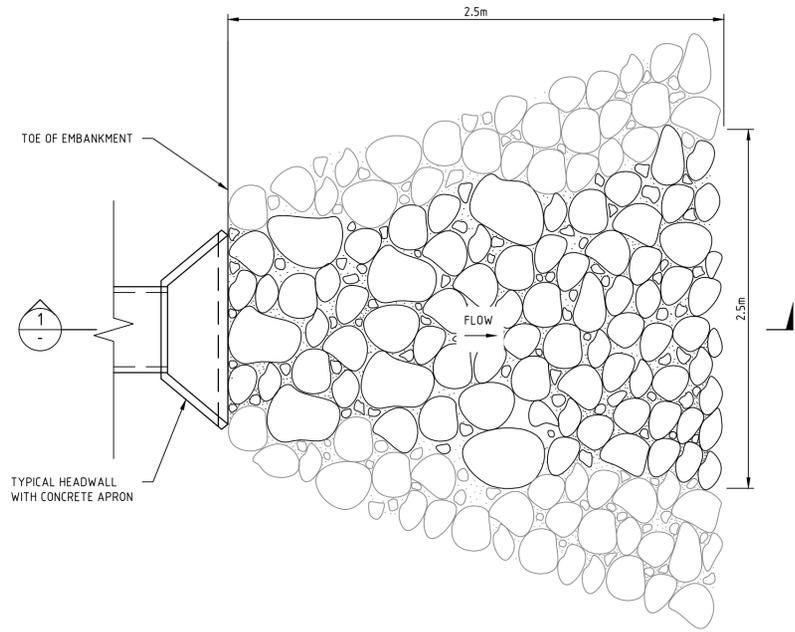
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| SCP      | 20/04/2015 | CENTRAL PRECINCT  |
| Designed | Date       | HAUL ROAD   |
| DAC      | 20/04/2015 | SECTION 96 APPLICATION                                    |
| Verified | Date       | Title   |
| SCP      | 20/04/2015 | ROAD LONGITUDINAL SECTIONS<br>SHEET 3 ROAD 001, 002 & 003 |
| Approved | Date       |   |
| SCP      | 20/04/2015 |   |

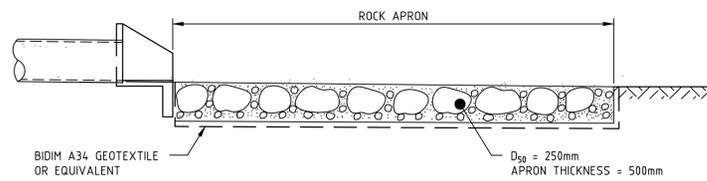
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| Drawing Number       | Revision |          |      |
| 89914020-03-S96-1153 | 1        |          |      |

|                         |          |          |      |
|-------------------------|----------|----------|------|
| <b>FOR CONSTRUCTION</b> |          |          |      |
| Datum                   | Date     | Scale    | Size |
| AHD                     |          | AS SHOWN | A1   |
| Drawing Number          | Revision |          |      |
| 89914020-03-S96-1153    | 1        |          |      |





**TYPICAL CONCRETE HEADWALL ROCK APRON**  
SCALE 1:50



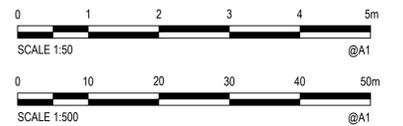
**SECTION 1**  
SCALE 1:50

**SCOUR PROTECTION**

1. THE THICKNESS OF THE RIP-RAP PROTECTION SHALL BE A MINIMUM OF TWICE THE  $D_{50}$  STONE SIZE SPECIFIED ON THE DRAWINGS. THE STONE SHALL BE REASONABLY WELL GRADED IN ACCORDANCE WITH THE FOLLOWING TABLE.

| ROCK SIZE           | % PASSING (BY WEIGHT) |
|---------------------|-----------------------|
| $2 \times D_{50}$   | 100%                  |
| $D_{50}$            | 40-60%                |
| $0.3 \times D_{50}$ | 10 - 20%              |

- ROCK IS TO BE HARD, DENSE, DURABLE, RESISTANT TO WEATHERING AND ANGULAR IN SHAPE. IT SHALL BE FREE FROM OVERBURDEN, SPOIL, SHALE AND ORGANIC MATTER. ROCK THAT IS LAMINATED, FRACTURED, POROUS OR OTHERWISE PHYSICALLY WEAK IS UNACCEPTABLE. AN APPROXIMATE GUIDE TO STONE SHAPE IS THAT THE BREADTH OR THICKNESS OF A SINGLE STONE SHOULD BE NOT LESS THAN ONE-THIRD ITS LENGTH. STONE SHOULD BE DARK IN COLOUR EITHER GRAY OR DARK BROWN SIMILAR TO SOIL PROFILE.
2. WHERE CHANNELS CONNECT TO EXISTING WATERCOURSES, PROVIDE NATURAL ROCK LINED CHANNEL WITHIN RIPARIAN ZONE.
  4. ROCKS AND ROCK BOULDERS TO HAVE RELATIVE DENSITY OF 2.2 TO 2.8.
  5. ALL RIP-RAP SPECIFIED ON THE DRAWINGS ARE PLACED ROCKS.



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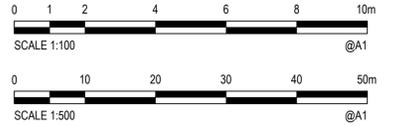
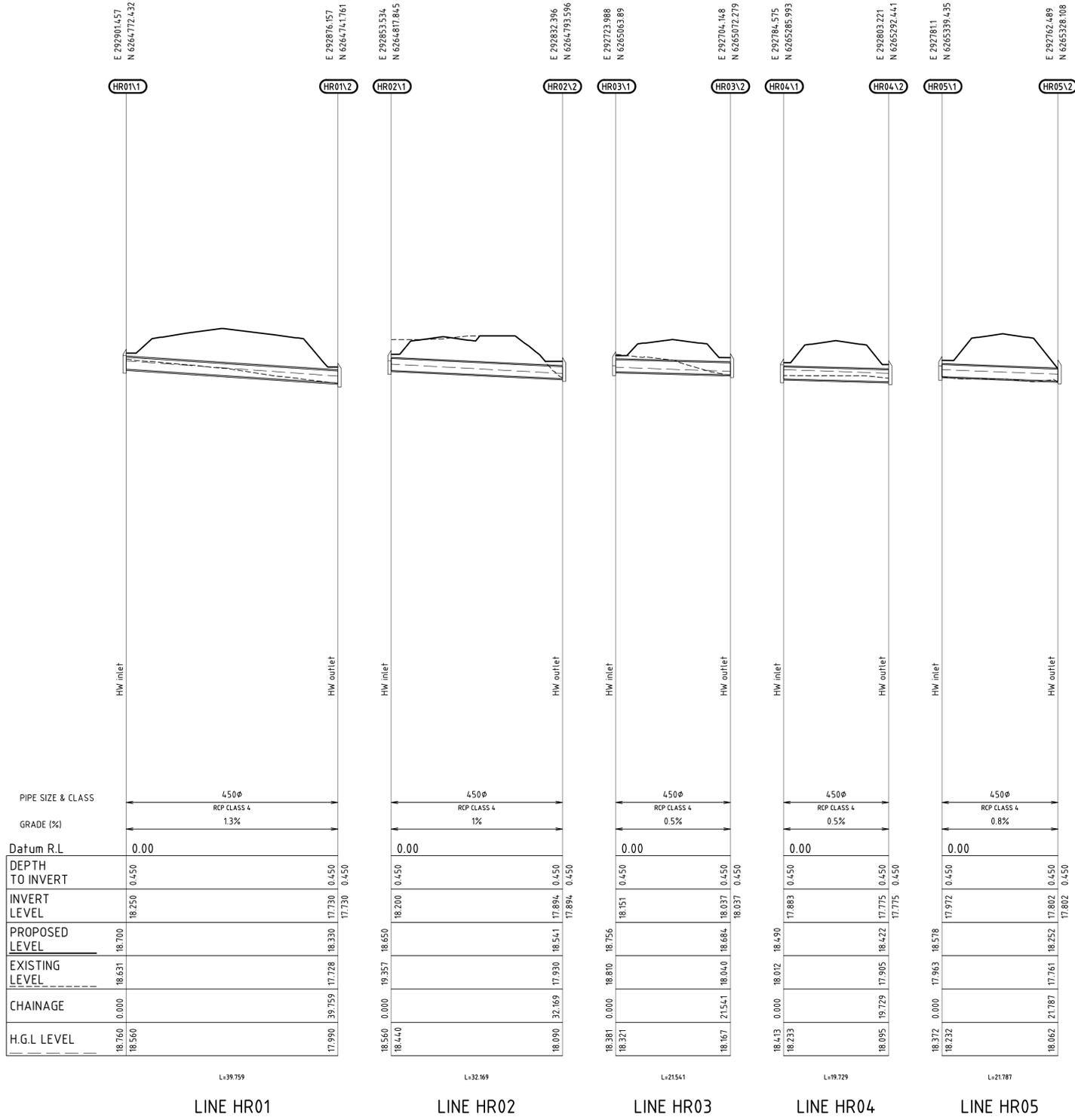


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| SCP      | 20/04/2015 | CENTRAL PRECINCT          |
| Designed | Date       |                           |
| DAC      | 20/04/2015 | HAUL ROAD                 |
| Verified | Date       |                           |
| SCP      | 20/04/2015 | SECTION 96 APPLICATION    |
| Approved | Date       | Title                     |
| SCP      | 20/04/2015 | STORMWATER OUTLET DETAILS |

|                         |      |       |          |
|-------------------------|------|-------|----------|
| Status                  |      |       |          |
| <b>FOR CONSTRUCTION</b> |      |       |          |
| Datum                   | Date | Scale | Size     |
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| Drawing Number          |      |       | Revision |
| 89914020-03-S96-1181    |      |       | 1        |



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|          |            |   |
|----------|------------|---|
| Drawn    | Date       | Client                                    |
| BJH      | 20/04/2015 | LEND LEASE                                |
| Checked  | Date       | Project                                   |
| SCP      | 20/04/2015 | CENTRAL PRECINCT                          |
| Designed | Date       | HAUL ROAD                                 |
| DAC      | 20/04/2015 | SECTION 96 APPLICATION                    |
| Verified | Date       | Title                                     |
| SCP      | 20/04/2015 | STORMWATER DRAINAGE LONGITUDINAL SECTIONS |
| Approved | Date       |   |
| SCP      | 20/04/2015 |   |

|                      |          |          |      |
|----------------------|----------|----------|------|
| Datum                | Date     | Scale    | Size |
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| Drawing Number       | Revision |          |      |
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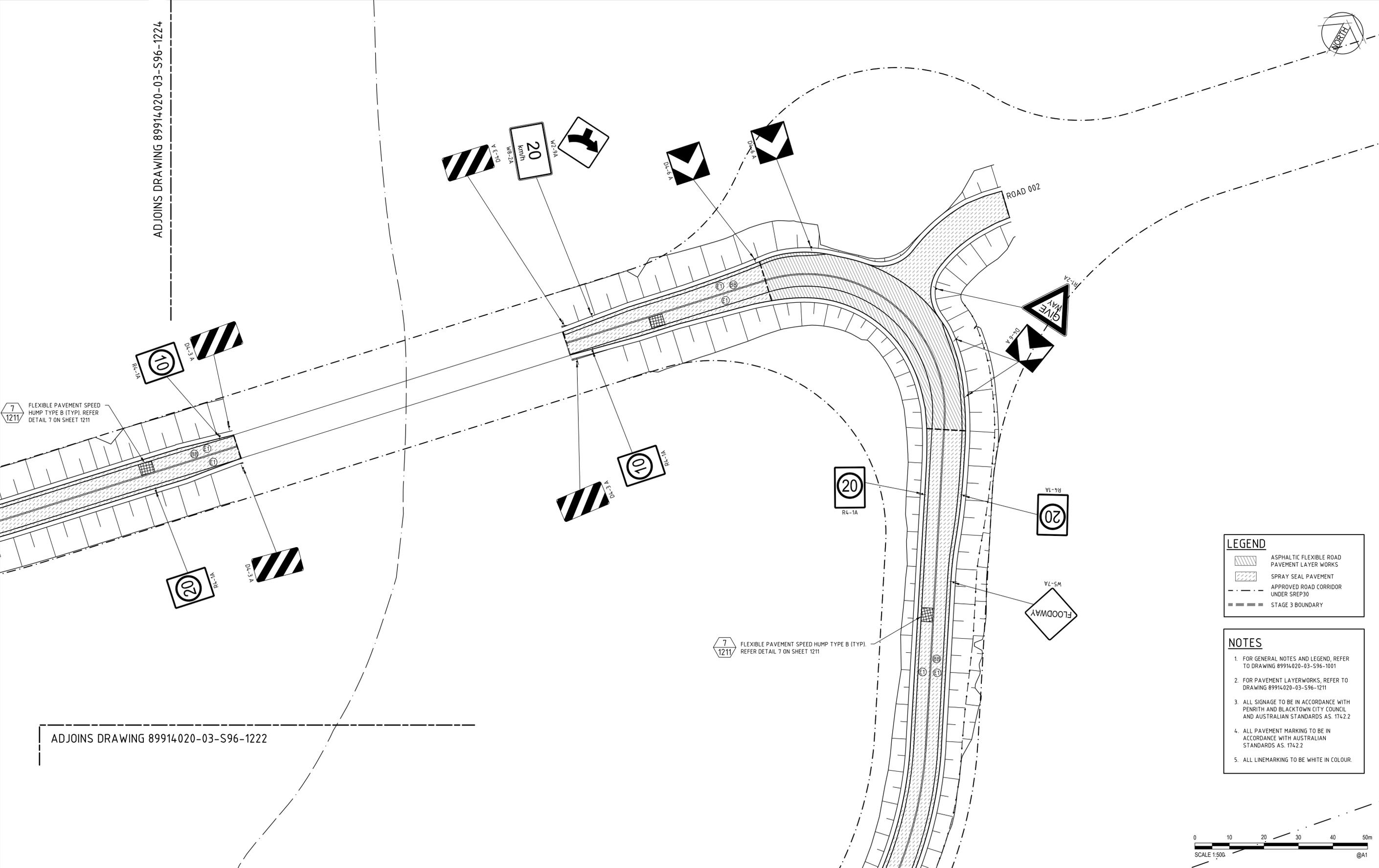






ADJOINS DRAWING 89914020-03-S96-1224

ADJOINS DRAWING 89914020-03-S96-1222



| LEGEND |  |
|--------|--|
|        | ASPHALTIC FLEXIBLE ROAD PAVEMENT LAYER WORKS |
|        | SPRAY SEAL PAVEMENT                          |
|        | APPROVED ROAD CORRIDOR UNDER SREP30          |
|        | STAGE 3 BOUNDARY                             |

| NOTES |   |
|-------|---|
| 1.    | FOR GENERAL NOTES AND LEGEND, REFER TO DRAWING 89914020-03-S96-1001   |
| 2.    | FOR PAVEMENT LAYERWORKS, REFER TO DRAWING 89914020-03-S96-1211  |
| 3.    | ALL SIGNAGE TO BE IN ACCORDANCE WITH PENRITH AND BLACKTOWN CITY COUNCIL AND AUSTRALIAN STANDARDS AS. 1742.2 |
| 4.    | ALL PAVEMENT MARKING TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARDS AS. 1742.2                               |
| 5.    | ALL LINEMARKING TO BE WHITE IN COLOUR.  |



| Rev. | Date       | Description            | Des. | Verif. | Appd. |
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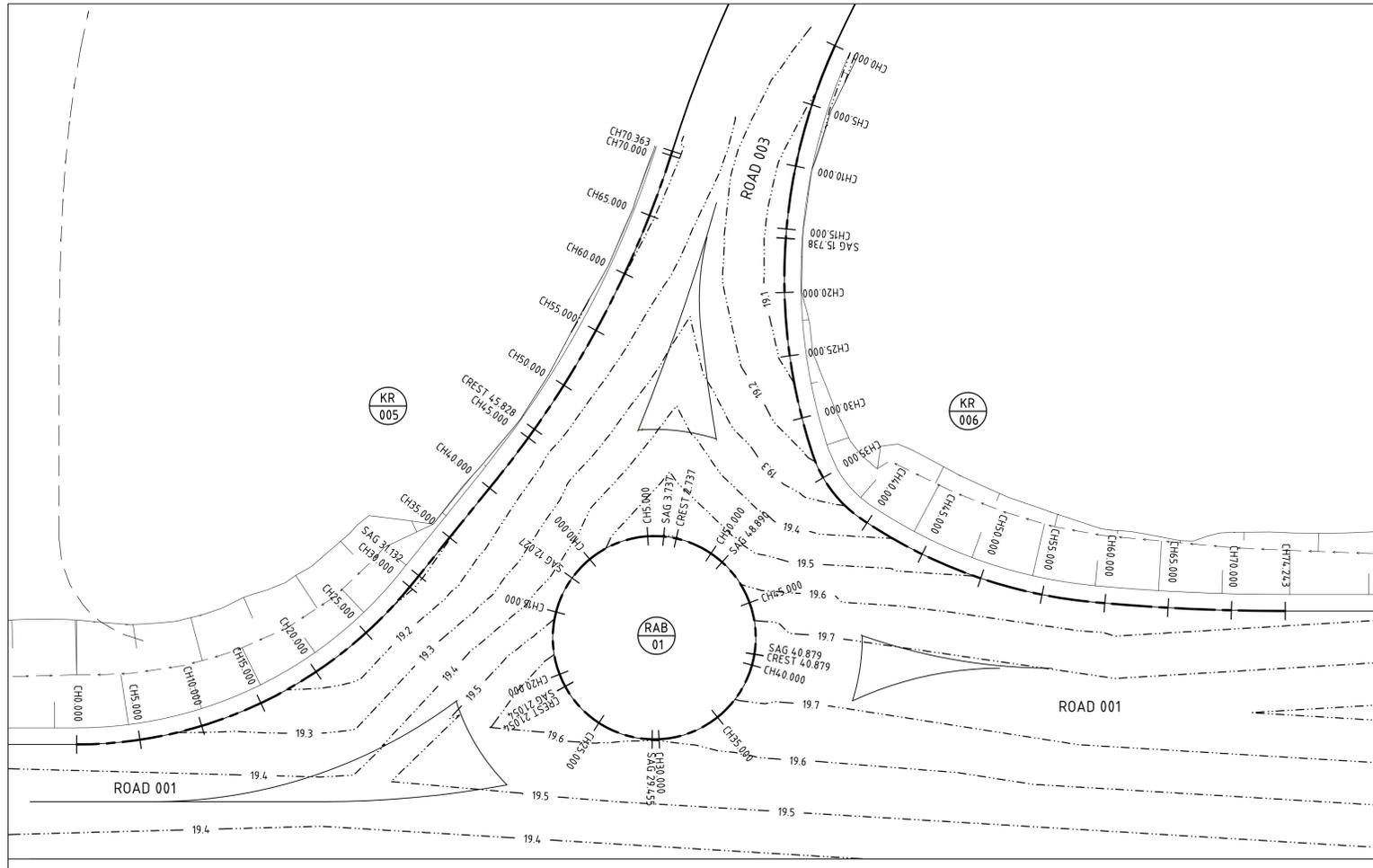
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| BJH      | 20/04/2015 | LEND LEASE                                   |
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| SCP      | 20/04/2015 | CENTRAL PRECINCT                             |
| Designed | Date       | HAUL ROAD                                    |
| DAC      | 20/04/2015 | SECTION 96 APPLICATION                       |
| Verified | Date       | Title  |
| SCP      | 20/04/2015 | PAVEMENT, SIGNAGE & LINEMARKING PLAN SHEET 3 |
| Approved | Date       |  |
| SCP      | 20/04/2015 |  |

|                      |          |       |      |
|----------------------|----------|-------|------|
| Datum                | Date     | Scale | Size |
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| Drawing Number       | Revision |       |      |
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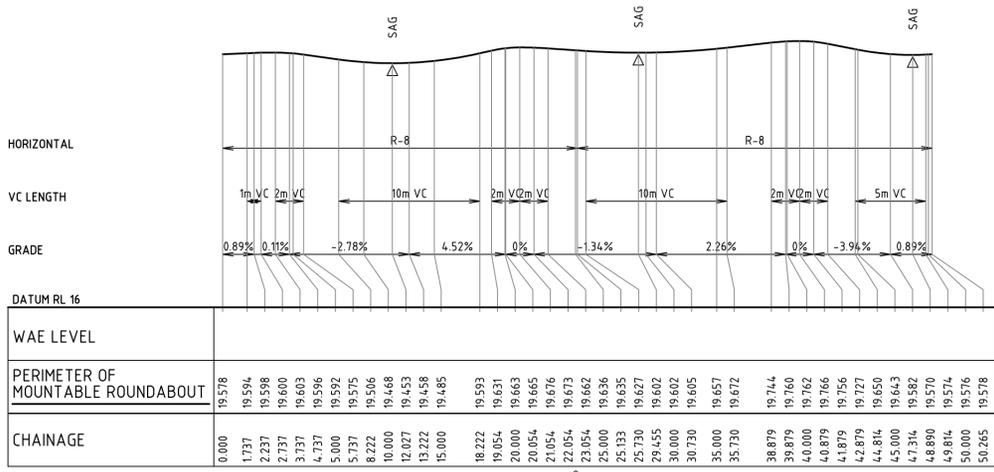




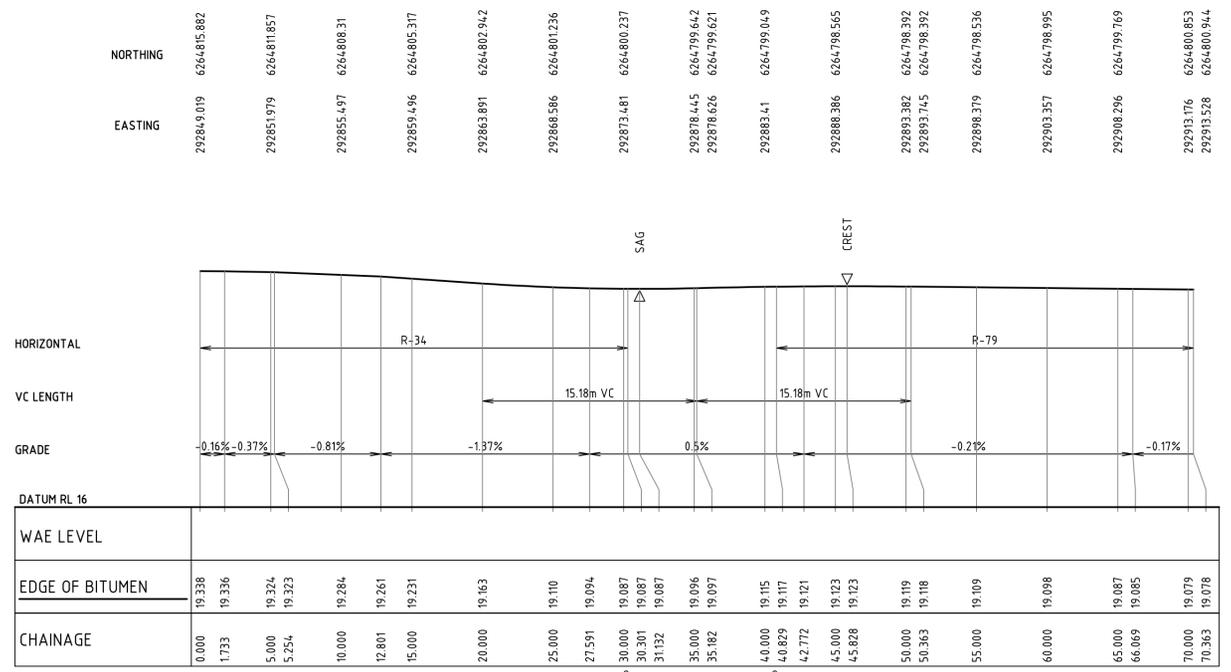


**KERB RETURN KR005, KR006 & RAB 01**  
SCALE 1:250

| NORTHING   | EASTING     |
|------------|-------------|
| 292888.34  | 6264781.791 |
| 292888.52  | 6264783.515 |
| 292887.076 | 6264784.476 |
| 292887.483 | 6264785.394 |
| 292886.828 | 6264786.472 |
| 292886.369 | 6264787.049 |
| 292886.474 | 6264788.64  |
| 292886.263 | 6264789.383 |
| 292877.344 | 6264789.424 |
| 292875.144 | 6264787.874 |
| 292874.541 | 6264787.302 |
| 292873.931 | 6264786.579 |
| 292873.358 | 6264785.696 |
| 292872.609 | 6264783.847 |
| 292872.341 | 6264781.924 |
| 292872.362 | 6264781.195 |
| 292873.716 | 6264777.219 |
| 292877.692 | 6264774.242 |
| 292878.391 | 6264774.032 |
| 292881.515 | 6264773.878 |
| 292882.609 | 6264774.12  |
| 292883.537 | 6264774.415 |
| 292885.165 | 6264775.41  |
| 292886.553 | 6264776.752 |
| 292886.669 | 6264776.898 |
| 292888.327 | 6264781.34  |
| 292888.536 | 6264781.526 |
| 292888.34  | 6264781.791 |

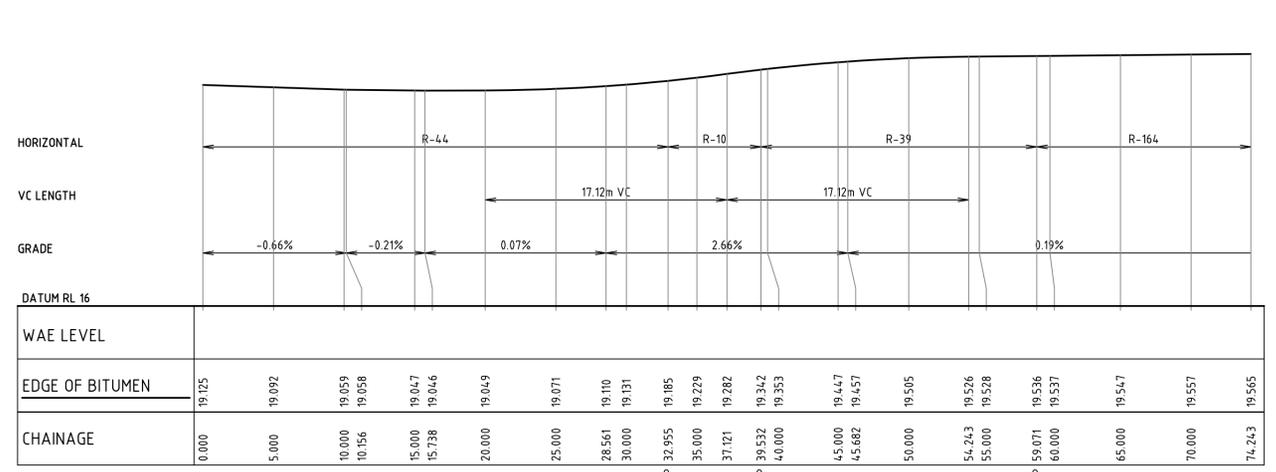


**KERB RETURN RAB 01**  
1:250 HORI.  
1:50 VERT.

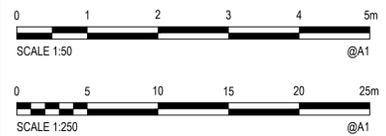


**KERB RETURN KR005**  
1:250 HORI.  
1:50 VERT.

| NORTHING   | EASTING     |
|------------|-------------|
| 292927.378 | 6264794.498 |
| 292922.469 | 6264793.564 |
| 292917.697 | 6264792.079 |
| 292913.124 | 6264790.063 |
| 292908.81  | 6264787.541 |
| 292904.809 | 6264784.547 |
| 292901.174 | 6264781.118 |
| 292898.084 | 6264777.206 |
| 292897.298 | 6264775.24  |
| 292896.918 | 6264772.396 |
| 292897.134 | 6264767.404 |
| 292897.987 | 6264762.468 |
| 292899.199 | 6264758.416 |
| 292899.461 | 6264757.706 |
| 292901.527 | 6264753.156 |
| 292903.876 | 6264748.743 |
| 292906.358 | 6264744.402 |
| 292908.567 | 6264740.718 |



**KERB RETURN KR006**  
1:250 HORI.  
1:50 VERT.



| Rev. | Date       | Description            | DAC Des. | SCP Verif. | SCP Appd. |
|------|------------|------------------------|----------|------------|-----------|
| 1    | 20/04/2015 | SECTION 96 APPLICATION |          |            |           |



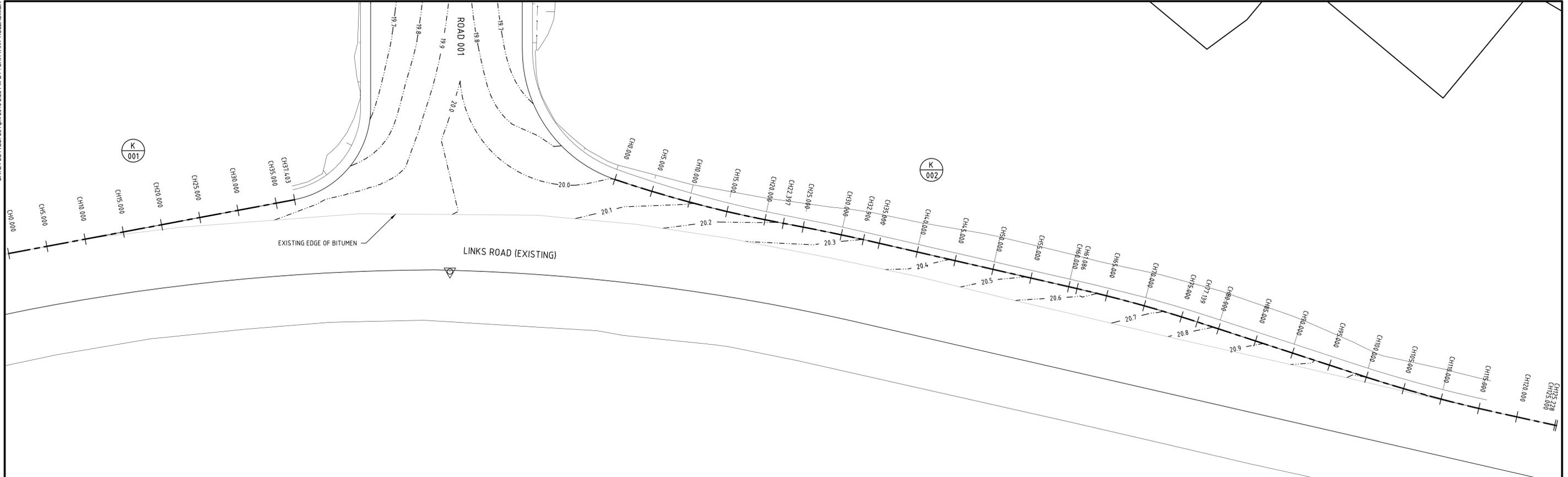
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| Designed DAC | Date 20/04/2015 |
| Verified SCP | Date 20/04/2015 |
| Approved SCP | Date 20/04/2015 |

|         |   |
|---------|---|
| Client  | LEND LEASE  |
| Project | CENTRAL PRECINCT<br>HAUL ROAD<br>SECTION 96 APPLICATION |
| Title   | ROAD INTERSECTION PLAN<br>SHEET 2                       |

|                |                      |          |      |                         |   |
|----------------|----------------------|----------|------|-------------------------|---|
| Status         |                      |          |      | <b>FOR CONSTRUCTION</b> |   |
| Datum          | Date                 | Scale    | Size |                         |   |
| AHD            |                      | AS SHOWN | A1   |                         |   |
| Drawing Number | 89914020-03-S96-1232 |          |      | Revision                | 1 |



**KERB RETURN KERB 01 - KERB 02**  
SCALE 1:250

|          |            |             |            |             |            |             |            |             |            |             |            |            |            |             |           |            |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |       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           |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |            |             |   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| NORTHING | 292910.384 | 6264613.676 | 292914.055 | 6264617.071 | 292917.726 | 6264620.466 | 292921.397 | 6264623.861 | 292925.068 | 6264627.255 | 292928.738 | 6264630.65 | 292932.409 | 6264634.045 | 292936.08 | 6264637.44 | 292939.745 | 6264639.072 | 292943.416 | 6264642.467 | 292947.087 | 6264645.862 | 292950.758 | 6264649.257 | 292954.429 | 6264652.652 | 292958.100 | 6264656.047 | 292961.771 | 6264659.442 | 292965.442 | 6264662.837 | 292969.113 | 6264666.232 | 292972.784 | 6264669.627 | 292976.455 | 6264673.022 | 292980.126 | 6264676.417 | 292983.797 | 6264679.812 | 292987.468 | 6264683.207 | 292991.139 | 6264686.602 | 292994.810 | 6264690.000 | 292998.481 | 6264693.395 | 293002.152 | 6264696.790 | 293005.823 | 6264700.185 | 293009.494 | 6264703.580 | 293013.165 | 6264706.975 | 293016.836 | 6264710.370 | 293020.507 | 6264713.765 | 293024.178 | 6264717.160 | 293027.849 | 6264720.555 | 293031.520 | 6264723.950 | 293035.191 | 6264727.345 | 293038.862 | 6264730.740 | 293042.533 | 6264734.135 | 293046.204 | 6264737.530 | 293049.875 | 6264740.925 | 293053.546 | 6264744.320 | 293057.217 | 6264747.715 | 293060.888 | 6264751.110 | 293064.559 | 6264754.505 | 293068.230 | 6264757.900 | 293071.901 | 6264761.295 | 293075.572 | 6264764.690 | 293079.243 | 6264768.085 | 293082.914 | 6264771.480 | 293086.585 | 6264774.875 | 293090.256 | 6264778.270 | 293093.927 | 6264781.665 | 293097.598 | 6264785.060 | 293101.269 | 6264788.455 | 293104.940 | 6264791.850 | 293108.611 | 6264795.245 | 293112.282 | 6264798.640 | 293115.953 | 6264802.035 | 293119.624 | 6264805.430 | 293123.295 | 6264808.825 | 293126.966 | 6264812.220 | 293130.637 | 6264815.615 | 293134.308 | 6264819.010 | 293137.979 | 6264822.405 | 293141.650 | 6264825.795 | 293145.321 | 6264829.190 | 293149.000 | 6264832.585 | 293152.671 | 6264835.980 | 293156.342 | 6264839.375 | 293160.013 | 6264842.770 | 293163.684 | 6264846.165 | 293167.355 | 6264849.560 | 293171.026 | 6264852.955 | 293174.697 | 6264856.350 | 293178.368 | 6264859.745 | 293182.039 | 6264863.140 | 293185.710 | 6264866.535 | 293189.381 | 6264869.930 | 293193.052 | 6264873.325 | 293196.723 | 6264876.720 | 293200.394 | 6264880.115 | 293204.065 | 6264883.510 | 293207.736 | 6264886.905 | 293211.407 | 6264890.300 | 293215.078 | 6264893.695 | 293218.749 | 6264897.090 | 293222.420 | 6264900.485 | 293226.091 | 6264903.880 | 293229.762 | 6264907.275 | 293233.433 | 6264910.670 | 293237.104 | 6264914.065 | 293240.775 | 6264917.460 | 293244.446 | 6264920.855 | 293248.117 | 6264924.250 | 293251.788 | 6264927.645 | 293255.459 | 6264931.040 | 293259.130 | 6264934.435 | 293262.801 | 6264937.830 | 293266.472 | 6264941.225 | 293270.143 | 6264944.620 | 293273.814 | 6264948.015 | 293277.485 | 6264951.410 | 293281.156 | 6264954.805 | 293284.827 | 6264958.200 | 293288.498 | 6264961.595 | 293292.169 | 6264964.990 | 293295.840 | 6264968.385 | 293300.000 | 6264971.780 | 293303.671 | 6264975.175 | 293307.342 | 6264978.570 | 293311.013 | 6264981.965 | 293314.684 | 6264985.360 | 293318.355 | 6264988.755 | 293322.026 | 6264992.150 | 293325.697 | 6264995.545 | 293329.368 | 6264998.940 | 293333.039 | 6265002.335 | 293336.710 | 6265005.730 | 293340.381 | 6265009.125 | 293344.052 | 6265012.520 | 293347.723 | 6265015.915 | 293351.394 | 6265019.310 | 293355.065 | 6265022.705 | 293358.736 | 6265026.100 | 293362.407 | 6265029.495 | 293366.078 | 6265032.890 | 293369.749 | 6265036.285 | 293373.420 | 6265039.680 | 293377.091 | 6265043.075 | 293380.762 | 6265046.470 | 293384.433 | 6265049.865 | 293388.104 | 6265053.260 | 293391.775 | 6265056.655 | 293395.446 | 6265060.050 | 293399.117 | 6265063.445 | 293402.788 | 6265066.840 | 293406.459 | 6265070.235 | 293410.130 | 6265073.630 | 293413.801 | 6265077.025 | 293417.472 | 6265080.420 | 293421.143 | 6265083.815 | 293424.814 | 6265087.210 | 293428.485 | 6265090.605 | 293432.156 | 6265094.000 | 293435.827 | 6265097.395 | 293439.498 | 6265100.790 | 293443.169 | 6265104.185 | 293446.840 | 6265107.580 | 293450.511 | 6265110.975 | 293454.182 | 6265114.370 | 293457.853 | 6265117.765 | 293461.524 | 6265121.160 | 293465.195 | 6265124.555 | 293468.866 | 6265127.950 | 293472.537 | 6265131.345 | 293476.208 | 6265134.740 | 293479.879 | 6265138.135 | 293483.550 | 6265141.530 | 293487.221 | 6265144.925 | 293490.892 | 6265148.320 | 293494.563 | 6265151.715 | 293498.234 | 6265155.110 | 293501.905 | 6265158.505 | 293505.576 | 6265161.900 | 293509.247 | 6265165.295 | 293512.918 | 6265168.690 | 293516.589 | 6265172.085 | 293520.260 | 6265175.480 | 293523.931 | 6265178.875 | 293527.602 | 6265182.270 | 293531.273 | 6265185.665 | 293534.944 | 6265189.060 | 293538.615 | 6265192.455 | 293542.286 | 6265195.850 | 293545.957 | 6265202.245 | 293549.628 | 6265205.640 | 293553.300 | 6265209.035 | 293556.971 | 6265212.430 | 293560.642 | 6265215.825 | 293564.313 | 6265219.220 | 293567.984 | 6265222.615 | 293571.655 | 6265226.010 | 293575.326 | 6265229.405 | 293578.997 | 6265232.800 | 293582.668 | 6265236.195 | 293586.339 | 6265239.590 | 293590.010 | 6265242.985 | 293593.681 | 6265246.380 | 293597.352 | 6265249.775 | 293601.023 | 6265253.170 | 293604.694 | 6265256.565 | 293608.365 | 6265259.960 | 293612.036 | 6265263.355 | 293615.707 | 6265266.750 | 293619.378 | 6265270.145 | 293623.049 | 6265273.540 | 293626.720 | 6265276.935 | 293630.391 | 6265280.330 | 293634.062 | 6265283.725 | 293637.733 | 6265287.120 | 293641.404 | 6265290.515 | 293645.075 | 6265293.910 | 293648.746 | 6265297.305 | 293652.417 | 6265300.700 | 293656.088 | 6265304.095 | 293659.759 | 6265307.490 | 293663.430 | 6265310.885 | 293667.101 | 6265314.280 | 293670.772 | 6265317.675 | 293674.443 | 6265321.070 | 293678.114 | 6265324.465 | 293681.785 | 6265327.860 | 293685.456 | 6265331.255 | 293689.127 | 6265334.650 | 293692.798 | 6265338.045 | 293696.469 | 6265341.440 | 293700.141 | 6265344.835 | 293703.812 | 6265348.230 | 293707.483 | 6265351.625 | 293711.154 | 6265355.020 | 293714.825 | 6265358.415 | 293718.496 | 6265361.810 | 293722.167 | 6265365.205 | 293725.838 | 6265368.600 | 293729.509 | 6265371.995 | 293733.180 | 6265375.390 | 293736.851 | 6265378.785 | 293740.522 | 6265382.180 | 293744.193 | 6265385.575 | 293747.864 | 6265388.970 | 293751.535 | 6265392.365 | 293755.206 | 6265395.760 | 293758.877 | 6265399.155 | 293762.548 | 6265402.550 | 293766.219 | 6265405.945 | 293769.890 | 6265409.340 | 293773.561 | 6265412.735 | 293777.232 | 6265416.130 | 293780.903 | 6265419.525 | 293784.574 | 6265422.920 | 293788.245 | 6265426.315 | 293791.916 | 6265429.710 | 293795.587 | 6265433.105 | 293799.258 | 6265436.500 | 293802.929 | 6265439.895 | 293806.600 | 6265443.290 | 293810.271 | 6265446.685 | 293813.942 | 6265450.080 | 293817.613 | 6265453.475 | 293821.284 | 6265456.870 | 293824.955 | 6265460.265 | 293828.626 | 6265463.660 | 293832.297 | 6265467.055 | 293835.968 | 6265470.450 | 293839.639 | 6265473.845 | 293843.310 | 6265477.240 | 293846.981 | 6265480.635 | 293850.652 | 6265484.030 | 293854.323 | 6265487.425 | 293857.994 | 6265490.820 | 293861.665 | 6265494.215 | 293865.336 | 6265497.610 | 293869.007 | 6265501.005 | 293872.678 | 6265504.400 | 293876.349 | 6265507.795 | 293880.020 | 6265511.190 | 293883.691 | 6265514.585 | 293887.362 | 6265517.980 | 293891.033 | 6265521.375 | 293894.704 | 6265524.770 | 293898.375 | 6265528.165 | 293902.046 | 6265531.560 | 293905.717 | 6265534.955 | 293909.388 | 6265538.350 | 293913.059 | 6265541.745 | 293916.730 | 6265545.140 | 293920.401 | 6265548.535 | 293924.072 | 6265551.930 | 293927.743 | 6265555.325 | 293931.414 | 6265558.720 | 293935.085 | 6265562.115 | 293938.756 | 6265565.510 | 293942.427 | 6265568.905 | 293946.098 | 6265572.300 | 293949.769 | 6265575.695 | 293953.440 | 6265579.090 | 293957.111 | 6265582.485 | 293960.782 | 6265585.880 | 293964.453 | 6265589.275 | 293968.124 | 6265592.670 | 293971.795 | 6265596.065 | 293975.466 | 6265599.460 | 293979.137 | 6265602.855 | 293982.808 | 6265606.250 | 293986.479 | 6265609.645 | 293990.150 | 6265613.040 | 293993.821 | 6265616.435 | 293997.492 | 6265619.830 | 294001.163 | 6265623.225 | 294004.834 | 6265626.620 | 294008.505 | 6265629.015 | 294012.176 | 6265632.410 | 294015.847 | 6265635.805 | 294019.518 | 6265639.200 | 294023.189 | 6265642.595 | 294026.860 | 6265645.990 | 294030.531 | 6265649.385 | 294034.202 | 6265652.780 | 294037.873 | 6265656.175 | 294041.544 | 6265659.570 | 294045.215 | 6265662.965 | 294048.886 | 6265666.360 | 294052.557 | 6265669.755 | 294056.228 | 6265673.150 | 294059.900 | 6265676.545 | 294063.571 | 6265679.940 | 294067.242 | 6265683.335 | 294070.913 | 6265686.730 | 294074.584 | 6265690.125 | 294078.255 | 6265693.520 | 294081.926 | 6265696.915 | 294085.597 | 6265700.310 | 294089.268 | 6265703.705 | 294092.939 | 6265707.100 | 294096.610 | 6265710.495 | 294100.281 | 6265713.890 | 294103.952 | 6265717.285 | 294107.623 | 6265720.680 | 294111.294 | 6265724.075 | 294114.965 | 6265727.470 | 294118.636 | 6265730.865 | 294122.307 | 6265734.260 | 294125.978 | 6265737.655 | 294129.649 | 6265741.050 | 294133.320 | 6265744.445 | 294136.991 | 6265747.840 | 294140.662 | 6265751.235 | 294144.333 | 6265754.630 | 294148.004 | 6265758.025 | 294151.675 | 6265761.420 | 294155.346 | 6265764.815 | 294159.017 | 6265768.210 | 294162.688 | 6265771.605 | 294166.359 | 6265775.000 | 294170.030 | 6265778.395 | 294173.701 | 6265781.790 | 294177.372 | 6265785.185 | 294181.043 | 6265788.580 | 294184.714 | 6265791.975 | 294188.385 | 6265795.370 | 294192.056 | 6265798.765 | 294195.727 | 6265802.160 | 294200.000 | 6265805.555 | 294203.671 | 6265808.950 | 294207.342 | 6265812.345 | 294211.013 | 6265815.740 | 294214.684 | 6265819.135 | 294218.355 | 6265822.530 | 294222.026 | 6265825.925 | 294225.697 | 6265829.320 | 294229.368 | 6265832.715 | 294233.039 | 6265836.110 | 294236.710 | 6265839.505 | 294240.381 | 6265842.900 | 294244.052 | 6265846.295 | 294247.723 | 6265849.690 | 294251.394 | 6265853.085 | 294255.065 | 6 |
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