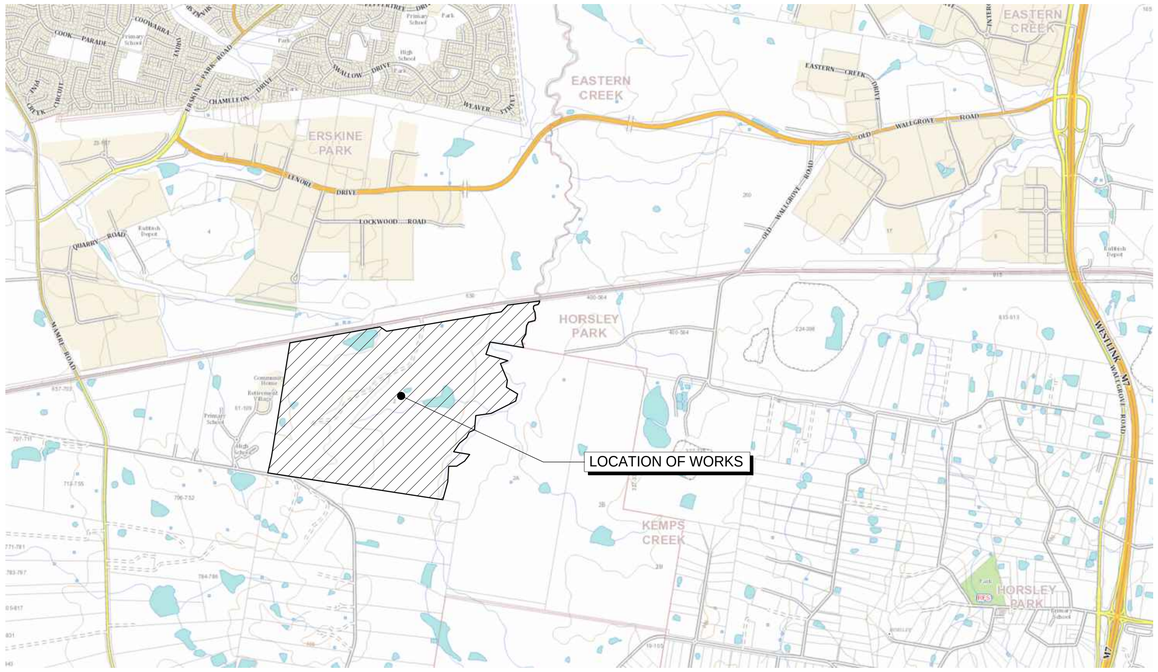
OAKDALE WEST

1000-SERIES INFRASTRUCTURE

CIVIL WORKS PACKAGE

STATE SIGNIFICANT DEVELOPMENT

MOD 1 APPLICATION



LOCALITY PLAN

NTS

NOTE:

THIS APPLICATION RELATES TO THE FOLLOWING :-

1. BULK EARTHWORKS SITE WIDE.
2. STORMWATER BASINS AND ASSOCIATED STORMWATER INLET AND OUTLETS.
3. BOUNDARY AND ROAD \ LOT RETAINING WALLS.
4. WESTERN NORTH -SOUTH LINK ROAD.
5. STAGE 1 INFRASTRUCTURE WORKS AS SHOWN ON DRAWINGS 15-272-C0004 AND 15-272-C0005.
6. PRECINCT NO.1 ON LOT BUILDING WORKS.
7. INTERNAL AND EXTERNAL SYDNEY WATER SEWER AND POTABLE WATER WORKS.
8. PRIVATE GAS MAIN RELOCATION WORKS.
9. DEMOLITION AND DECOMMISSIONING OF EXISTING DWELLING, ASSOCIATED UTILITIES, FENCING, CATTLE YARDS AND DAMS.
10. LEAD IN ELECTRICAL AND COMMUNICATIONS.

Bar Scales

Issue	Description	Date
A6	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A5	ISSUED FOR INFORMATION MOD 1	07-06-19
A4	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
NOT TO BE USED FOR CONSTRUCTION — A1

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Project: PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title: COVER SHEET

Drawing No.	Project No.	Issue
15-272-C1000	15-272	A6

100mm on Original

DRAWING LIST	
DRAWING No.	DRAWING TITLE
15-272-C1000	COVER SHEET
15-272-C1001	DRAWING LIST
15-272-C1002	GENERAL NOTES
15-272-C1003	PRECINCT GENERAL ARRANGEMENT PLAN
15-272-C1004	TYPICAL SITE SECTIONS SHEET 1 OF 6
15-272-C1005	TYPICAL SITE SECTIONS SHEET 2 OF 6
15-272-C1006	TYPICAL SITE SECTIONS SHEET 3 OF 6
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15-272-C1011	CONTOUR PLAN
15-272-C1014	BULK EARTHWORKS CUT/FILL PLAN
15-272-C1015	EARTHWORKS AND STORMWATER DRAINAGE PLAN SHEET 1 OF 20
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15-272-C1097	EROSION AND SEDIMENT CONTROL DETAILS

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Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
DRAWING LIST

Drawing No.	Project No.	Issue
15-272-C1001	15-272	A6

SITEWORKS NOTES

1. ORIGIN OF LEVELS:- REFER SURVEY NOTES.
2. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCIES TO BE REPORTED TO AT & L.
3. MAKE SMOOTH CONNECTION WITH EXISTING WORKS.
4. ALL TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO THE SAME DENSITY AS THE ADJACENT MATERIAL.
5. ALL SERVICE TRENCHES UNDER VEHICULAR PAVEMENTS SHALL BE BACKFILLED 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% MODIFIED MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. (OR A DENSITY INDEX OF NOT LESS THAN 75)
6. PROVIDE 10mm WIDE EXPANSION JOINTS BETWEEN BUILDINGS AND ALL CONCRETE OR UNIT PAVEMENTS.
7. ASPHALTIC CONCRETE SHALL CONFORM TO R.M.S SPECIFICATION R116.
8. ALL BASECOURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH R.M.S FORM 3051 (UNBOUND), R.M.S FORM 3052 (BOUND) COMPACTED TO MINIMUM 98% MODIFIED DENSITY IN ACCORDANCE WITH AS 1289 5.2.1
   FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m^3 OF BASECOURSE MATERIAL PLACED.
9. ALL SUB-BASE COURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH R.M.S FORM 3051, 3051.1 AND COMPACTED TO MINIMUM 95% MODIFIED DENSITY IN ACCORDANCE WITH A.S 1289 5.2.1
   FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m^3 OF SUB-BASE COURSE MATERIAL PLACED.
10. AS AN ALTERNATIVE TO THE USE OF IGNEOUS ROCK AS A SUB-BASE MATERIAL IN (9) A CERTIFIED RECYCLED CONCRETE MATERIAL COMPLYING WITH R.M.S FORM 3051 AND 3051.1 WILL BE CONSIDERED. SUBJECT TO MATERIAL SAMPLES AND APPROPRIATE CERTIFICATIONS BEING PROVIDED TO THE SATISFACTION OF AT & L.
11. SHOULD THE CONTRACTOR WISH TO USE A RECYCLED PRODUCT THE CONTRACTOR IS TO SEEK ACCEPTANCE OF THE PRODUCT FROM AT&L. THE PRICE DIFFERENCE BETWEEN AN IGNEOUS PRODUCT AND A RECYCLED PRODUCT SHALL BE CLEARLY INDICATED.
12. WHERE NOTED ON THE DRAWINGS THAT WORKS ARE TO BE CARRIED 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 CARDNO HARD & FORESTER PTY LTD, BEING REGISTERED SURVEYORS. THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN. AT & L 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 AT & L.

THE FOLLOWING NOTES HAVE BEEN TAKEN DIRECTLY FROM THE ORIGINAL SURVEY DOCUMENTS.

IMPORTANT NOTE:
THIS PLAN IS PREPARED FROM A COMBINATION OF FIELD SURVEY AND EXISTING RECORDS FOR THE PURPOSE OF DESIGNING NEW CONSTRUCTIONS ON THE LAND AND SHOULD NOT BE USED FOR ANY OTHER PURPOSE. THE TITLE BOUNDARIES SHOWN HEREON WERE NOT MARKED BY THE AUTHOR AT THE TIME OF SURVEY AND HAVE BEEN DETERMINED BY PLAN DIMENSIONS ONLY AND NOT BY FIELD MEASUREMENT.

A SERVICES SEARCH OF THE AREA SURVEYED ABOVE HAS NOT BEEN UNDERTAKEN. VISIBLE SERVICES SHOWN HEREON HAVE BEEN LOCATED WHERE POSSIBLE BY FIELD SURVEY. PRIOR TO ANY DEMOLITION, EXCAVATION OR CONSTRUCTION ON THE SITE, THE RELEVANT AUTHORITY SHOULD BE CONTACTED FOR POSSIBLE LOCATION OF FURTHER UNDERGROUND SERVICES AND DETAILED LOCATIONS OF ALL SERVICES. THIS NOTE IS AN INTEGRAL PART OF THIS PLAN.

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.

AT & L CAN NOT GUARANTEE THAT THE SERVICES 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 SERVICES 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.

DIAL 1100 BEFORE YOU DIG

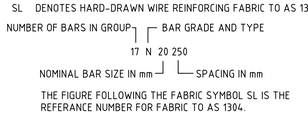
CONTRACTOR SHALL CALL;
DIAL BEFORE YOU DIG 1100
PRIOR TO COMMENCEMENT OF WORK TO OBTAIN ALL CURRENT SERVICE AUTHORITY PLANS

CONCRETE NOTES

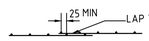
1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 CURRENT EDITION WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
2. CONCRETE QUALITY
   ALL REQUIREMENTS OF THE CURRENT ACSE CONCRETE SPECIFICATION DOCUMENT 1 SHALL APPLY TO THE FORMWORK, REINFORCEMENT AND CONCRETE UNLESS NOTED OTHERWISE.

ELEMENT	AS 3600 F'c MPa AT 28 DAYS	SPECIFIED SLUMP	NOMINAL AGG. SIZE
VEHICULAR BASE	32	60	20
KERBS, PATHS, AND PITS	25	80	20

   - CEMENT TYPE SHALL BE (ACSE SPECIFICATION) TYPE SL
   - PROJECT CONTROL TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH AS 1379.
3. NO ADMIXTURES SHALL BE USED IN CONCRETE UNLESS APPROVED IN WRITING BY AT & L.
4. CLEAR CONCRETE COVER TO ALL REINFORCEMENT FOR DURABILITY SHALL BE 40mm TOP AND 70mm FOR EXTERNAL EDGES UNLESS NOTED OTHERWISE.
5. ALL REINFORCEMENT SHALL BE FIRMLY SUPPORTED ON MILD STEEL PLASTIC TIPPED CHAIRS, PLASTIC CHAIRS OR CONCRETE CHAIRS AT NOT GREATER THAN 1m CENTRES BOTH WAYS. BARS SHALL BE TIED AT ALTERNATE INTERSECTIONS.
6. THE FINISHED CONCRETE SHALL BE A DENSE HOMOGENEOUS MASS, COMPLETELY FILLING THE FORMWORK, THOROUGHLY EMBEDDING THE REINFORCEMENT AND FREE OF STONE POCKETS. ALL CONCRETE INCLUDING SLABS ON GROUND AND FOOTINGS SHALL BE COMPACTED AND CURED IN ACCORDANCE WITH R.M.S SPECIFICATION R83.
7. REINFORCEMENT SYMBOLS:
   N DENOTES GRADE 450 N BARS TO AS 1302 GRADE N
   R DENOTES 230 R HOT ROLLED PLAIN BARS TO AS 1302
   SL DENOTES HARD-DRAWN WIRE REINFORCING FABRIC TO AS 1304



   THE FIGURE FOLLOWING THE FABRIC SYMBOL SL IS THE REFERANCE NUMBER FOR FABRIC TO AS 1304.
8. FABRIC SHALL BE LAPPED IN ACCORDANCE WITH THE FOLLOWING DETAIL:



KERBING NOTES

1. ALL CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 25 MPa U.N.O IN REINFORCED CONCRETE NOTES.
2. ALL KERBS, GUTTERS, DISH DRAINS AND CROSSINGS TO BE CONSTRUCTED ON MIN. 100mm GRANULAR BASECOURSE COMPACTED TO MINIMUM 95% MODIFIED DRY DENSITY (AS 1289 5.2.1).
3. EXPANSION JOINTS (E.J) TO BE FORMED FROM 10mm COMPRESSIBLE CORK FILLER BOARD FOR THE FULL DEPTH OF THE SECTION AND CUT TO PROFILE. EXPANSION JOINTS TO BE LOCATED AT DRAINAGE PITS, ON TANGENT POINTS OF CURVES AND ELSEWHERE AT MAX 12m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE EXPANSION JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLABS.
4. WEAKENED PLANE JOINTS TO BE MIN 3mm WIDE AND LOCATED AT 3m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE WEAKENED PLANE JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLABS.
5. BROOMED FINISH TO ALL RAMPED AND VEHICULAR CROSSINGS. ALL OTHER KERBING OR DISH DRAINS TO BE STEEL FLOAT FINISHED.
6. IN THE REPLACEMENT OF KERB AND GUTTER :-
   EXISTING ROAD PAVEMENT IS TO BE SAWCUT 900mm U.N.O FROM THE LIP OF GUTTER. UPON COMPLETION OF THE NEW KERB AND GUTTER NEW BASECOURSE AND SURFACE TO BE LAID 900mm WIDE U.N.O.

   EXISTING ALLOTMENT DRAINAGE PIPES ARE TO BE BUILT INTO THE NEW KERB AND GUTTER WITH 100mm DIA HOLE.

   EXISTING KERB AND GUTTER IS TO BE COMPLETELY REMOVED WHERE NEW KERB AND GUTTER IS SHOWN.

DEWATERING

ANY DEWATERING WORKS TO BE AS PER THE DEWATERING PROCEDURE AS CONTAINED WITHIN THE CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN (CEMP).

DECOMMISSIONING / DEMOLITION

DEMOLITION OF EXISTING DWELLING TO BE CONDUCTED IN ACCORDANCE WITH THE PROVISIONS OF AS2601-2001 - DEMOLITION OF STRUCTURES BY CONTRACTORS EXPERIENCED IN THIS CLASS OF WORK AND HOLDING REQUIRED CURRENT PERMITS AND LICENSES AS REQUIRED.

EXISTING INTERNALS FENCING, CATTLE YARDS, UTILITIES AND OTHER REDUNDANT STRUCTURES TO BE DEMOLISHED AND REMOVED TO AN APPROVED WASTE MANAGEMENT FACILITY.

DAM DECOMMISSIONING TO BE COMPLETED AS PER THE DAM DECOMMISSIONING PROCEDURE AS CONTAINED WITHIN THE CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN (CEMP).

STORMWATER DRAINAGE NOTES

1. STORMWATER DESIGN CRITERIA:
   (A) AVERAGE RECURRENCE INTERVAL:
   1:100 YEARS MAJOR STORM (OVERLAND FLOW)
   1:20 YEARS MINOR STORM (PIPED NETWORK)
   (B) RAINFALL INTENSITIES:
   TIME OF CONCENTRATION: 5 MINUTES
   1:100 YEARS= 219 mm/hr
   1:20 YEARS= 167 mm/hr
   (C) RUNOFF COEFFICIENTS:
   ROOF AREAS: C_{100} =1.0
   EXTERNAL PAVEMENTS: C_{100} =1.0
2. PIPES 300 DIA. AND LARGER TO BE REINFORCED CONCRETE CLASS '2' APPROVED SPIGOT AND SOCKET WITH RUBBER RING JOINTS. U.N.O.
3. PIPES UP TO 300 DIA SHALL BE SEWER GRADE uPVC WITH SOLVENT WELDED JOINTS.
4. EQUIVALENT STRENGTH VCP OR FRC PIPES MAY BE USED, SUBJECT TO THE APPROVAL OF PENRITH CITY COUNCIL.
5. 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.
6. PIPES TO BE INSTALLED TO TYPE HS1 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)
7. ALL INTERNAL WORKS WITHIN PROPERTY BOUNDARIES ARE TO COMPLY WITH THE REQUIREMENTS OF AS 3500 3.1 (1998) AND AS/NZS 3500 3.2 (1998).
8. PRECAST PITS MAY BE USED EXTERNAL TO THE BUILDING SUBJECT TO APPROVAL BY AT & L.
9. ENLARGERS, CONNECTIONS AND JUNCTIONS TO BE PREFABRICATED FITTINGS WHERE PIPES ARE LESS THAN 300 DIA.
10. WHERE SUBSOIL DRAINS PASS UNDER FLOOR SLABS AND VEHICULAR PAVEMENTS, UNSLOTTED uPVC SEWER GRADE PIPE IS TO BE USED.
11. CARE IS TO BE TAKEN WITH LEVELS OF STORMWATER LINES. GRADES SHOWN ARE NOT TO BE REDUCED WITHOUT APPROVAL.
12. GRATES AND COVERS SHALL CONFORM TO AS 3996.
13. AT ALL TIMES DURING CONSTRUCTION OF STORMWATER PITS, ADEQUATE SAFETY PROCEDURES SHALL BE TAKEN TO ENSURE AGAINST THE POSSIBILITY OF PERSONNEL FALLING DOWN PITS.
14. 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.

EMBANKMENT CONSTRUCTION SEQUENCE

1. STRIP VEGETATION AND TOPSOIL FROM EMBANKMENT AREA AND STOCKPILE TOPSOIL FOR LATER USE. CUT BACK AREA TO FIRM GROUND.
2. CONSTRUCT EMBANKMENT IN PRESENCE OF QUALIFIED AND EXPERIENCED GEOTECHNICAL ENGINEER IF NOT ROCK.
3. IN THE CASE WHERE THE EMBANKMENT AREAS SLUSH, GROUTING AND DENTAL CONCRETE MAY BE REQUIRED, AS DIRECTED BY A QUALIFIED AND EXPERIENCED GEOTECHNICAL ENGINEER.
4. COMPACT CLAY STABILIZED WITH GYPSUM (3% BY DRY MASS, MINIMUM) AS APPROVED BY A QUALIFIED AND EXPERIENCED GEOTECHNICAL ENGINEER INTO THE CUT-OFF TRENCH OF LAYERS NOT EXCEEDING 150mm LOOSE THICKNESS TO A DRY DENSITY EQUIVALENT TO 98% OF THAT DETERMINED BY STANDARD COMPACTION (AS 1289.5.1.1) AND AT A MOISTURE CONTENT OF -2% TO +2% OF OPTIMUM MOISTURE CONTENT.
5. GYPSUM STABILIZED NATURAL SOILS EXPOSED IN EMBANKMENT AREA WITH MINIMUM 3% GYPSUM BY DRY MASS AND COMPACT AS FOR #4. ALL TO THE APPROVAL OF A QUALIFIED AND EXPERIENCED GEOTECHNICAL ENGINEER.
6. CONSTRUCT BODY OF EMBANKMENT WITH CLAYEY MATERIAL WON FROM SITE. COMPACT THE CLAYEY MATERIAL APPROVED BY A QUALIFIED AND EXPERIENCED GEOTECHNICAL ENGINEER IN LAYERS NOT EXCEEDING 150mm THICKNESS TO A DRY DENSITY EQUIVALENT TO 98% OF THAT DETERMINED BY STANDARD COMPACTION (AS 1289.5.1.1) AND AT A MOISTURE CONTENT OF -2% TO +2% OF OPTIMUM MOISTURE CONTENT. MOST IMPORTANTLY, IF SHRINKAGE CRACKS OCCUR, AS DIRECTED BY A QUALIFIED AND EXPERIENCED GEOTECHNICAL ENGINEER.
7. OVERFILL THE EMBANKMENT AND TRIM OFF, SO THAT THE ENTIRE BODY OF THE EMBANKMENT IS COMPACTED.
8. TRIM THE EMBANKMENTS BATTERS TO THE OVERFILLED MATERIAL, STABILIZE THE UPSTREAM CLAY BATTERS WITH WELL MIXED GYPSUM (3% BY DRY MASS, MINIMUM) AND COMPACT TO MIN. 98% STD -2% TO +2% OMC.
9. PLACE ROCK RIP-RAP AS SHOWN.
10. RECOVER TOPSOIL FROM STOCKPILE AND SPREAD OVER EMBANKMENT AND CUT BATTERS (A THIN COVER OF TOPSOIL ONLY HAS BEEN NOMINATED). ONLY LIGHTLY TRACK-ROLL THE TOPSOIL AND THEN LANDSCAPE IN ACCORDANCE WITH THE LANDSCAPE AREA DRAWINGS.
11. WATER AND FERTILIZE LANDSCAPE AS REQUIRED BY CLIMACTIC CONDITIONS TO ENSURE THE LANDSCAPE IS SUCCESSFUL.
12. AT THE COMPLETION OF WORK WRITTEN CONFIRMATION & CERTIFICATION IS TO BE PROVIDED FROM A QUALIFIED & EXPERIENCED GEOTECHNICAL ENGINEER THAT THE EMBANKMENTS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THESE DRAWINGS.

EROSION AND SEDIMENT CONTROL NOTES

GENERAL INSTRUCTIONS

1. THE SITE SUPERINTENDENT/ENGINEER WILL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE LOCATED AS DOCUMENTED.
2. ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH
   a. LOCAL AUTHORITY REQUIREMENTS
   b. EPA REQUIREMENTS
   c. NSW DEPARTMENT OF HOUSING MANUAL "MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION", 4th EDITION, MARCH 2004.
3. MAINTAIN THE EROSION CONTROL DEVICES TO THE SATISFACTION OF THE SUPERINTENDENT AND THE LOCAL AUTHORITY.
4. WHEN STORMWATER PITS ARE CONSTRUCTED, PREVENT SITE RUNOFF ENTERING UNLESS SEDIMENT FENCES ARE ERECTED AROUND PITS.
5. 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 STORM EVENTS.

LAND DISTURBANCE

6. 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:
   (A) INSTALL A WIND FENCE ALONG THE BOUNDARIES AS SHOWN ON PLAN. REFER DETAIL.
   (B) INSTALL A SEDIMENT FENCE ALONG THE BOUNDARIES AS SHOWN ON PLAN. REFER DETAIL.
   (C) CONSTRUCT STABILISED CONSTRUCTION ENTRANCE TO LOCATION AS DETERMINED BY SUPERINTENDENT/ENGINEER. REFER DETAIL.
   (D) INSTALL SEDIMENT BASIN AS SHOWN ON PLAN
   (E) INSTALL SEDIMENT TRAPS AS SHOWN ON PLAN.
   (F) 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

7. DURING WINDY WEATHER, LARGE, UNPROTECTED AREAS WILL BE KEPT MOIST (NOT WET) BY SPRINKLING WITH WATER TO KEEP DUST UNDER CONTROL.
8. FINAL SITE LANDSCAPING WILL BE UNDERTAKEN AS SOON AS POSSIBLE AND WITHIN 20 WORKING DAYS FROM COMPLETION OF CONSTRUCTION ACTIVITIES.

SEDIMENT CONTROL

9. 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.
10. 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.
11. 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.
12. TEMPORARY SOIL AND WATER MANAGEMENT STRUCTURES WILL BE REMOVED ONLY AFTER THE LANDS THEY ARE PROTECTING ARE REHABILITATED.

OTHER MATTERS

13. ACCEPTABLE RECEPTORS WILL BE PROVIDED FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT WASTE MATERIALS AND LITTER.
14. ANY EXISTING TREES WHICH FORM PART OF THE FINAL LANDSCAPING PLAN WILL BE PROTECTED FROM CONSTRUCTION ACTIVITIES BY:
   (A) PROTECTING THEM WITH BARRIER FENCING OR SIMILAR MATERIALS INSTALLED OUTSIDE THE DRIP LINE
   (B) ENSURING THAT NOTHING IS NAILED TO THEM
   (C) PROHIBITING PAVING, GRADING, SEDIMENT WASH OR PLACING OF STOCKPILES WITHIN THE DRIP LINE EXCEPT UNDER THE FOLLOWING CONDITIONS.
      (I) ENCROACHMENT ONLY OCCURS ON ONE SIDE AND NO CLOSER TO THE TRUNK THAN EITHER 1.5 METRES OR HALF THE DISTANCE BETWEEN THE OUTER EDGE OF THE DRIP LINE AND THE TRUNK, WHICH EVER IS THE GREATER
      (II) 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
      (III) CARE IS TAKEN NOT TO CUT ROOTS UNNECESSARILY NOR TO COMPACT THE SOIL AROUND THEM.

STAGING

SUITABLE EROSION AND SEDIMENT CONTROLS SHALL BE DESIGNED, PROVIDED AND MAINTAINED BY THE CONTRACTOR THROUGHOUT ALL STAGES OF WORKS, INCLUDING AT COMPLETION OF THE BULK EARTHWORKS WHERE SHOWN ON AT&L DRAWINGS OR WHERE DIRECTED BY THE SUPERINTENDENT OR PENRITH CITY COUNCIL'S ENGINEERS.
SEDIMENT AND EROSION CONTROLS ARE TO BE DESIGNED AND DOCUMENTED BY A SUITABLY QUALIFIED EXPERT ENGAGED BY THE CONTRACTOR AND APPROVED AS PART OF THE CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. SUCH CONTROLS SHALL BE IN ACCORDANCE WITH THE RELEVANT REQUIREMENTS IN THE LATEST VERSION OF THE MANAGING URBAN STORMWATER: SOILS AND CONSTRUCTION GUIDELINE (LANDCOM).

BIO-RETENTION FILTER MEDIA SPECIFICATION

MATERIALS:

BIO-RETENTION FILTER MEDIA, TRANSITION LAYER AND DRAINAGE LAYERS TO BE IN ACCORDANCE WITH CURRENT VERSION OF FAWB DOCUMENT "STORMWATER BIO-FILTRATION SYSTEMS ADOPTION GUIDELINES" AND THE FOLLOWING,:

A) BIO-RETENTION FILTER MEDIA

1. BIO-RETENTION MEDIA IS TO BE FREE OF RUBBISH AND DELETERIOUS MATERIAL.
2. BIO-RETENTION FILTER MEDIA SATURATED HYDRAULIC CONDUCTIVITY TO BE 180mm/hr USING TEST METHOD ASTM F1815-06.
3. BIO-RETENTION FILTER MEDIA PARTICLE SIZE DISTRIBUTION IS TO BE AS FOLLOWS:

CLAY & SILT	<3%	(<0.05mm)
VERY FINE SAND	5-30%	(0.05-0.15mm)
FINE SAND	10-30%	(0.15-0.25mm)
MEDIUM TO COARSE SAND	40-60%	(0.25-1.0mm)
COARSE SAND	7-10%	(1.0-2.0mm)
FIN GRAVEL	<3%	(2.0-3.4mm)

THE COMBINED PERCENTAGE OF CLAY AND SILT MUST NOT EXCEED 3% (W/W) UNDER ANY CIRCUMSTANCES.

4. BIO-RETENTION FILTER MEDIA IS TO BE TESTED AND COMPLY WITH THE FOLLOWING REQUIREMENTS:
   a) ORGANIC MATTER CONTENT IN ACCORDANCE WITH AS 4419 AT LEAST 3% (W/W)
   b) TOTAL NITROGEN (TN) CONTENT <900mg/kg
   c) ORTHOPHOSPHATE (PO_4^{3-}) CONTENT - <30mg/kg WHERE PLANTS WITH MODERATE PHOSPHOROUS SENSITIVITY ARE TO BE USED, TOTAL PHOSPHOROUS CONCENTRATION SHOULD BE <20mg/kg.
   d) AS SPECIFIED FOR "NATURAL SOILS AND SOIL BLENDS" AS4419 - pH 5.5-7.5 (pH 1.5 IN WATER)
   e) ELECTRICAL CONDUCTIVITY (EC) AS SPECIFIED FOR "NATURAL SOILS AND SOILS BLENDS" AS4419 <1.2ds/m
   f) DISPENSABILITY - AS SPECIFIED FOR 'NATURAL SOILS AND SOIL BLENDS' AS4419 CATEGORY 1 OR 2
   g) TEXTURE - LOAMY SAND AS PER AS4419
5. PRIOR TO PLACEMENT OF THE FILTER MEDIA A STATEMENT IS TO BE SUBMITTED FROM A QUALIFIED HORTICULTURIST CONFIRMING THAT THE SOIL IS CAPABLE OF SUPPORTING A HEALTHY VEGETABLE COMMUNITY.
6. TESTS CONFIRMING THE REQUIREMENTS OF ITEMS 1 TO 4 ARE TO BE SUBMITTED FOR APPROVAL PRIOR TO PLACEMENT OF FILTER MEDIA.

B) DRAINAGE LAYER A

DRAINAGE LAYER MATERIAL IS TO BE CLEAN, FINE GRAVEL, SUCH AS A 2 - 5mm WASHED SCREENING. THE PARTICLE SIZE DISTRIBUTION TO BE:
D_{15} (DRAINAGE LAYER) < 5 x D_{85} (TRANSITION LAYER)
WHERE: D_{15} (DRAINAGE LAYER) IS THE 15TH PERCENTILE PARTICLE SIZE IN THE TRANSITION LAYER MATERIAL (i.e, 15% OF THE SAND IS SMALLER THAN D_{15} mm), AND D_{85} (TRANSITION LAYER) IS THE 85th PERCENTILE PARTICLE SIZE IN THE FILTER MEDIA.

C) DRAINAGE LAYER B

10-20mm CLEAN GRAVEL WITH 2% VOLUME FINE STRAW AND 4-6% VOLUME HARDWOOD CHIPS.

INSTALLATION:

FILTER MATERIAL IS TO BE LIGHTLY COMPACTED EG. A SINGLE PASS WITH A DRUM LAWN ROLLER. UNDER NO CIRCUMSTANCES SHOULD HEAVY EQUIPMENT OR MULTIPLE PASSES BE MADE. FILTER MEDIA SHOULD BE INSTALLED IN TWO LIFTS UNLESS THE DEPTH IS LESS THAN 500mm.

BULK EARTHWORKS NOTES

1. ORIGIN OF LEVELS: REFER SURVEY NOTES
2. REFER PELLS SULLIVAN MEYNINK REPORT PSM1541-020S REV 0 (DATED 16-03-12) FOR BULK EARTHWORKS SPECIFICATIONS OF THE BIO-RETENTION BASIN AND ESTATE ROAD.
3. REFER PELLS SULLIVAN MEYNINK REPORT PSM1541-003S REV 2 (DATED 06/05/13) FOR BULK EARTHWORKS SPECIFICATIONS OF ALL AREAS EXCEPT THE BIO-RETENTION BASIN AND ESTATE ROAD.

FINISHED SURFACE LEVELS

1. ALL FINISHED SURFACE LEVELS ARE ±1000mm U.N.O.

Bar Scales

Issue	Description	Date
A6	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A5	ISSUED FOR INFORMATION MOD 1	07-06-19
A4	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Scales		15-272-C1002.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

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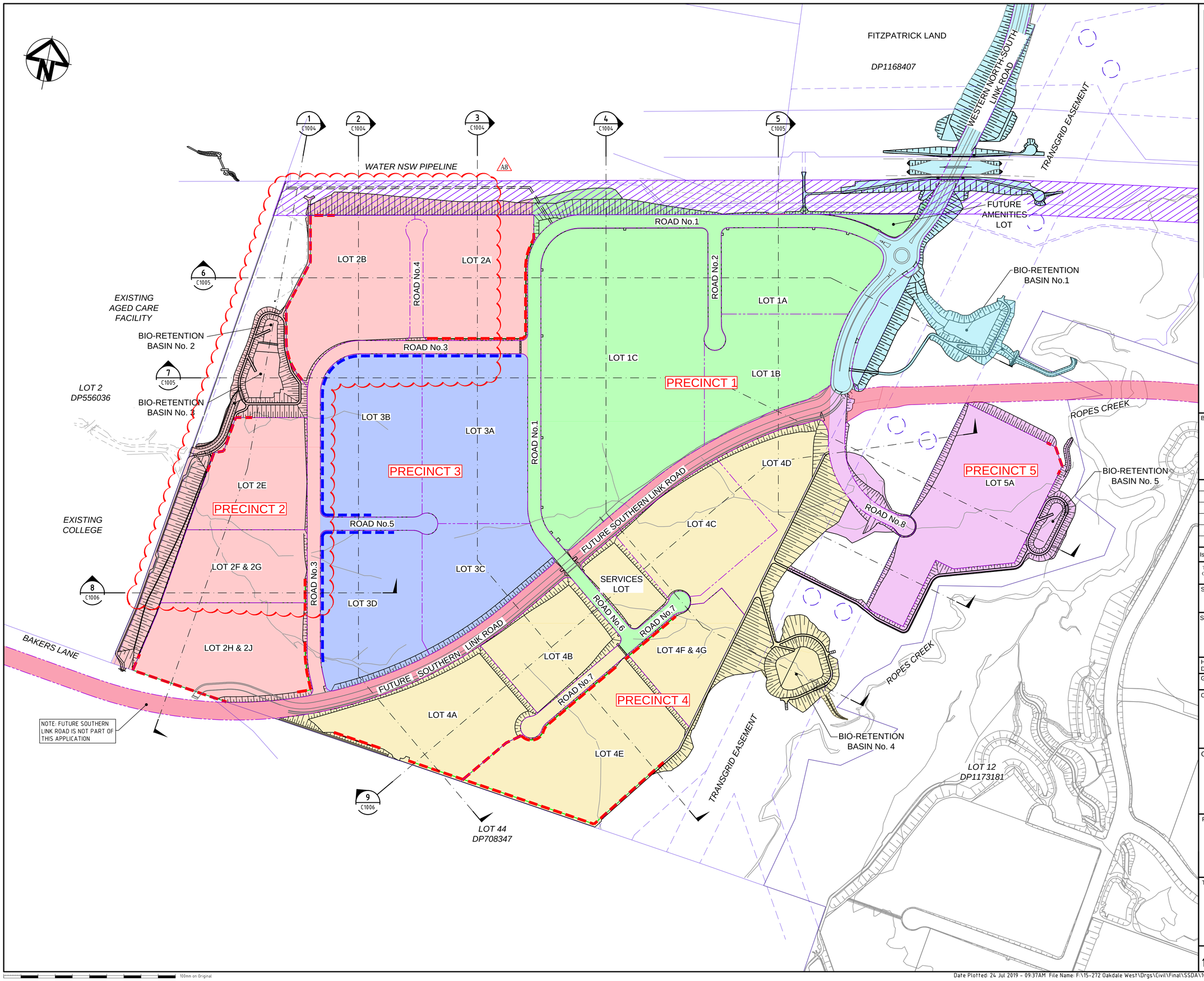
Project: PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title: GENERAL NOTES

Drawing No.	Project No.	Issue
15-272-C1002	15-272	A6



LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- BOUNDARY WALLS
- PRECINCT No.1
- PRECINCT No.2
- PRECINCT No.3
- PRECINCT No.4
- PRECINCT No.5
- FUTURE SOUTHERN LINK ROAD
- WESTERN NORTH-SOUTH LINK ROAD REFER '5000 SERIES' PACKAGE
- EXTENT OF EXCAVATION OF EXISTING CREEKS AND DAMS. REFER DRAWING 15-272-C4035 FOR DETAILS.
- PROPOSED WSFL CORRIDOR

Bar Scales

0 50 100 150 200 250

1 : 3000 @ A1

Issue	Description	Date
A8	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A7	ISSUED FOR INFORMATION MOD 1	21-09-18
A6	ISSUED FOR SSD APPROVAL	21-09-18
A5	ISSUED FOR SSD APPROVAL	04-05-18
A4	ISSUED FOR SSD APPROVAL	04-04-18
A3	ISSUED FOR SSD APPROVAL	29-03-18

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A1

Scales	1 : 3000	15-272-C1003.dwg	
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		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

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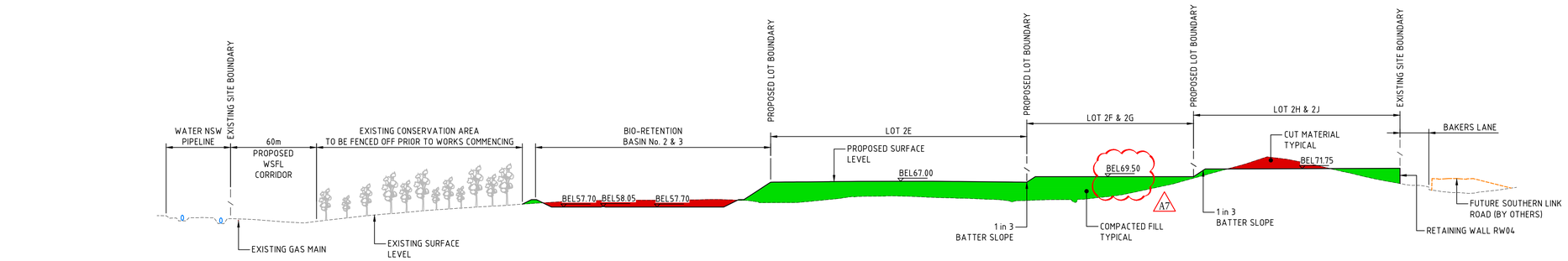
Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
PRECINCT
GENERAL ARRANGEMENT
PLAN

Drawing No.	Project No.	Issue
15-272-C1003	15-272	A8

100mm on Original



SECTION 1 (C1003)
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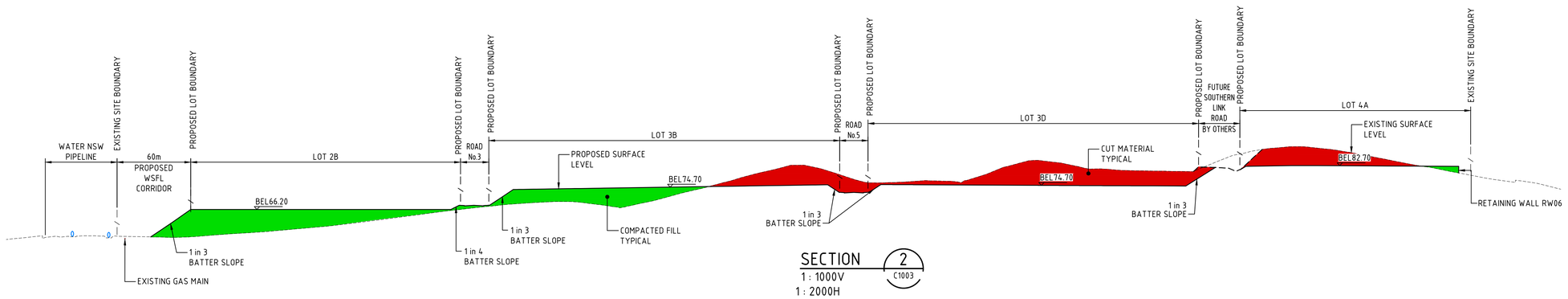
1 : 2000H



SECTION 2 (C1003)
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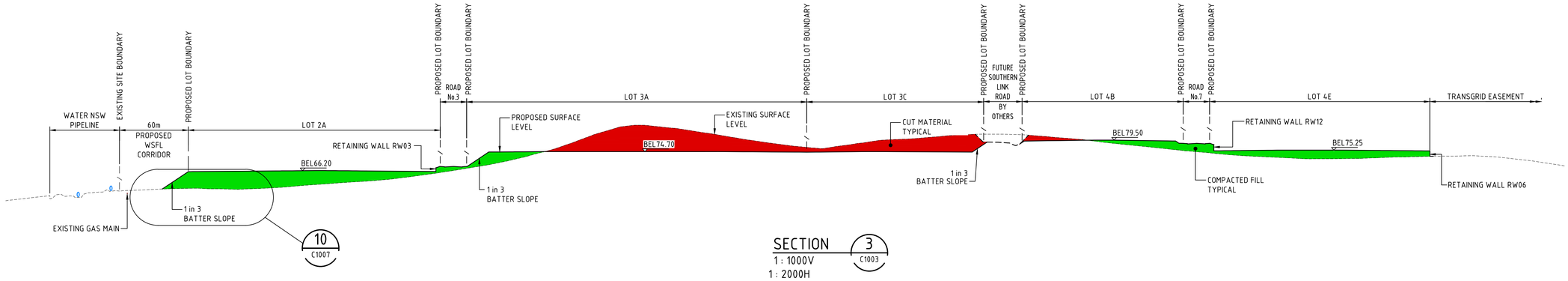
1 : 2000H



SECTION 3 (C1003)
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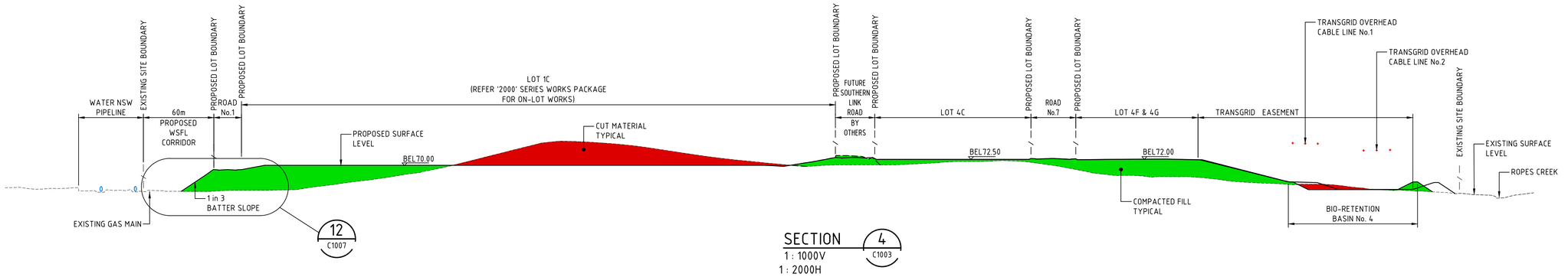
1 : 2000H



SECTION 4 (C1003)
1 : 1000V
1 : 2000H

ALL FINISHED LEVELS ARE ±1000mm U.N.O

Bar Scales
0 20 40 60
1 : 1000 @ A1 1 : 2000 @ A3
0 50 100 150
1 : 2000 @ A1 1 : 4000 @ A3

Issue	Description	Date
A7	ISSUED FOR SSD APPROVAL MOD 1	21-08-19
A6	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A5	ISSUED FOR INFORMATION MOD 1	07-06-19
A4	ISSUED FOR SSD APPROVAL	21-09-18
A3	ISSUED FOR SSD APPROVAL	04-05-18
A2	ISSUED FOR SSD APPROVAL	23-03-18

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Scales	AS SHOWN	15-272-C1004.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

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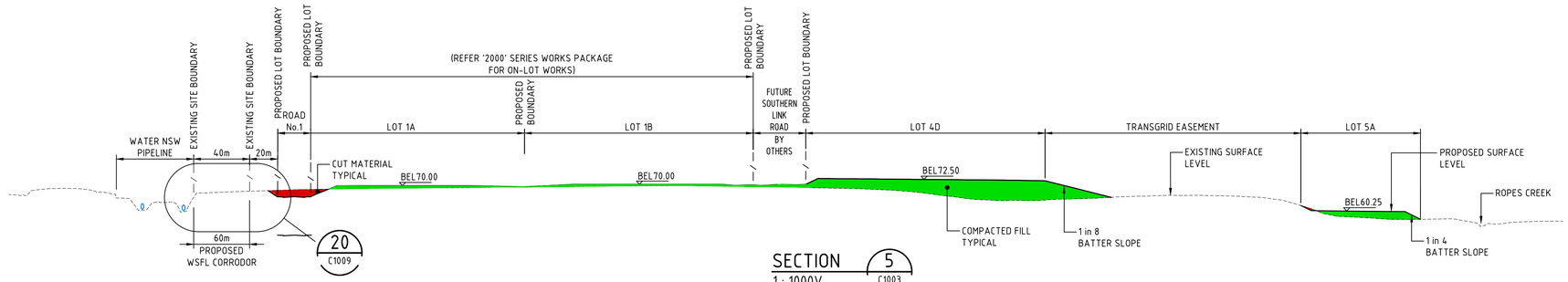
Project
PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title
TYPICAL SITE SECTIONS
SHEET 1 OF 6

Drawing No.	Project No.	Issue
15-272-C1004	15-272	A7



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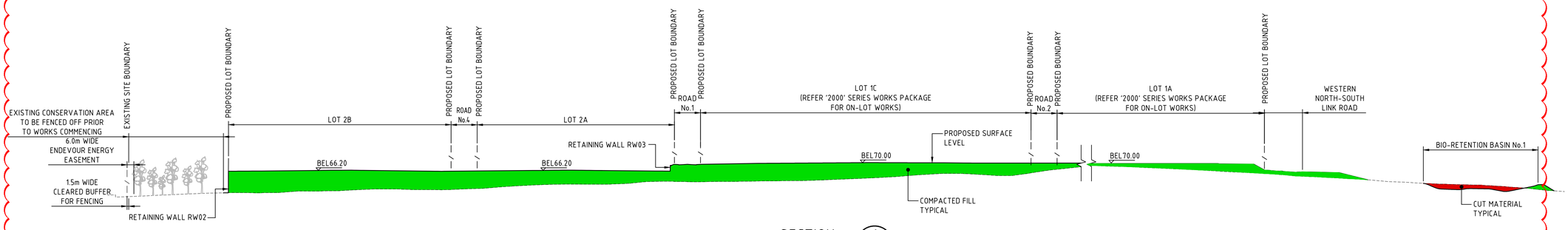
1 : 2000H



SECTION 6 (C1003)
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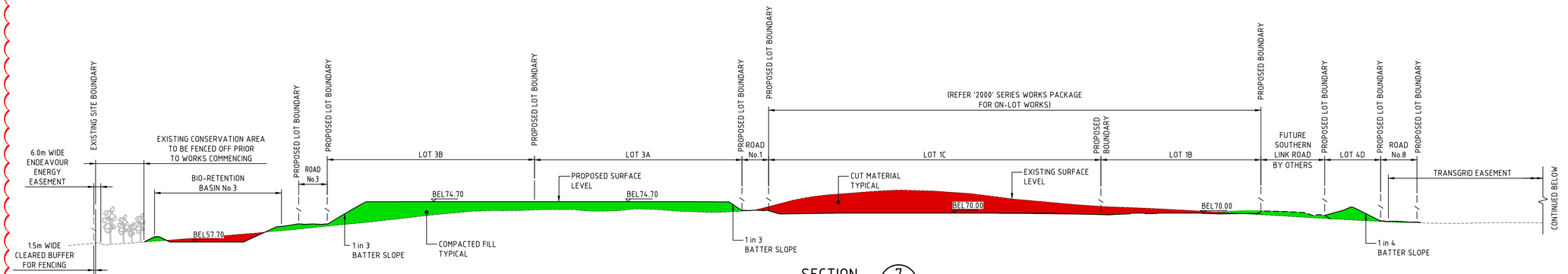
1 : 2000H



SECTION 7 (C1003)
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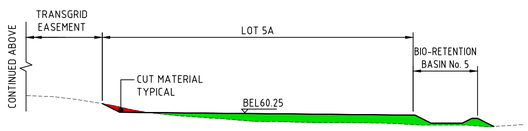
1 : 2000H



SECTION 7 (C1003)
1 : 1000V
1 : 2000H

A6

ALL FINISHED LEVELS ARE ±1000mm U.N.O

Bar Scales

0 20 40 60
1 : 1000 @ A1 1 : 2000 @ A3

0 50 100 150
1 : 2000 @ A1 1 : 4000 @ A3

Issue	Description	Date
A6	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A5	ISSUED FOR INFORMATION MOD 1	07-06-19
A4	ISSUED FOR SSD APPROVAL	21-09-18
A3	ISSUED FOR SSD APPROVAL	04-05-18
A2	ISSUED FOR SSD APPROVAL	23-03-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Scales	AS SHOWN	15-272-C1005.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
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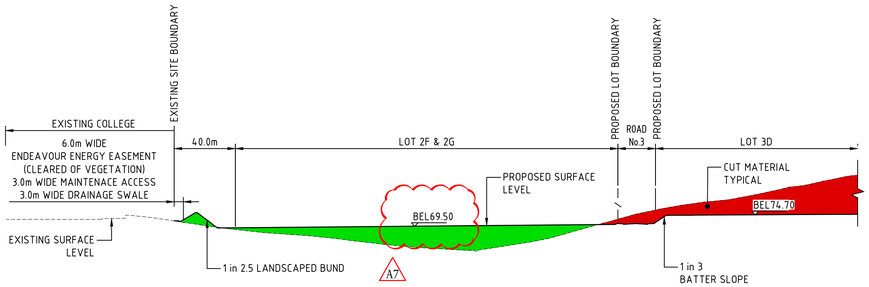
Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

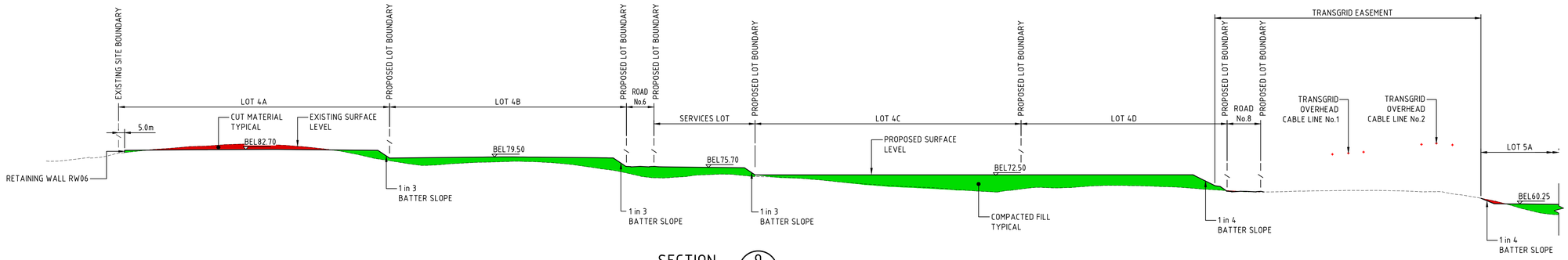
Title
TYPICAL SITE SECTIONS
SHEET 2 OF 6

Drawing No.	Project No.	Issue
15-272-C1005	15-272	A6

100mm on Original



SECTION 8
1 : 1000V
1 : 2000H
C1003



SECTION 9
1 : 1000V
1 : 2000H
C1003

ALL FINISHED LEVELS ARE ±1000mm U.N.O

Bar Scales

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1 : 1000 @ A1 1 : 2000 @ A3

0 50 100 150
1 : 2000 @ A1 1 : 4000 @ A3

Issue	Description	Date
A7	ISSUED FOR SSD APPROVAL MOD 1	21-08-19
A6	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A5	ISSUED FOR INFORMATION MOD 1	07-06-19
A4	ISSUED FOR SSD APPROVAL	21-09-18
A3	ISSUED FOR SSD APPROVAL	04-05-18
A2	ISSUED FOR SSD APPROVAL	23-03-18

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Status: MOD 1 APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Scales	AS SHOWN	15-272-C1006.dwg	
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		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

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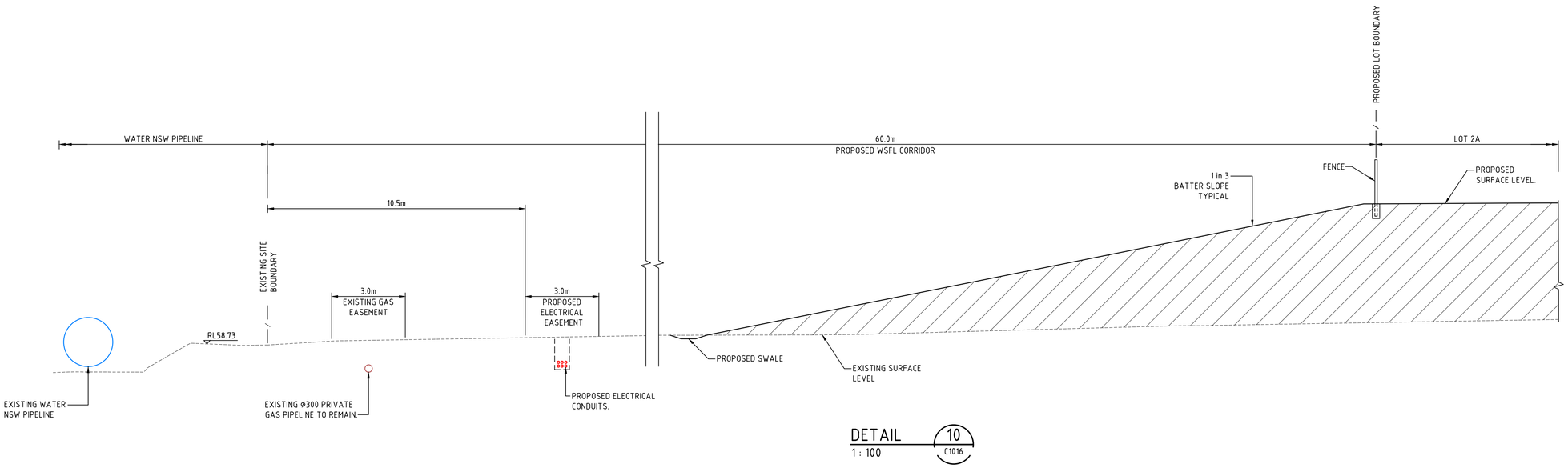
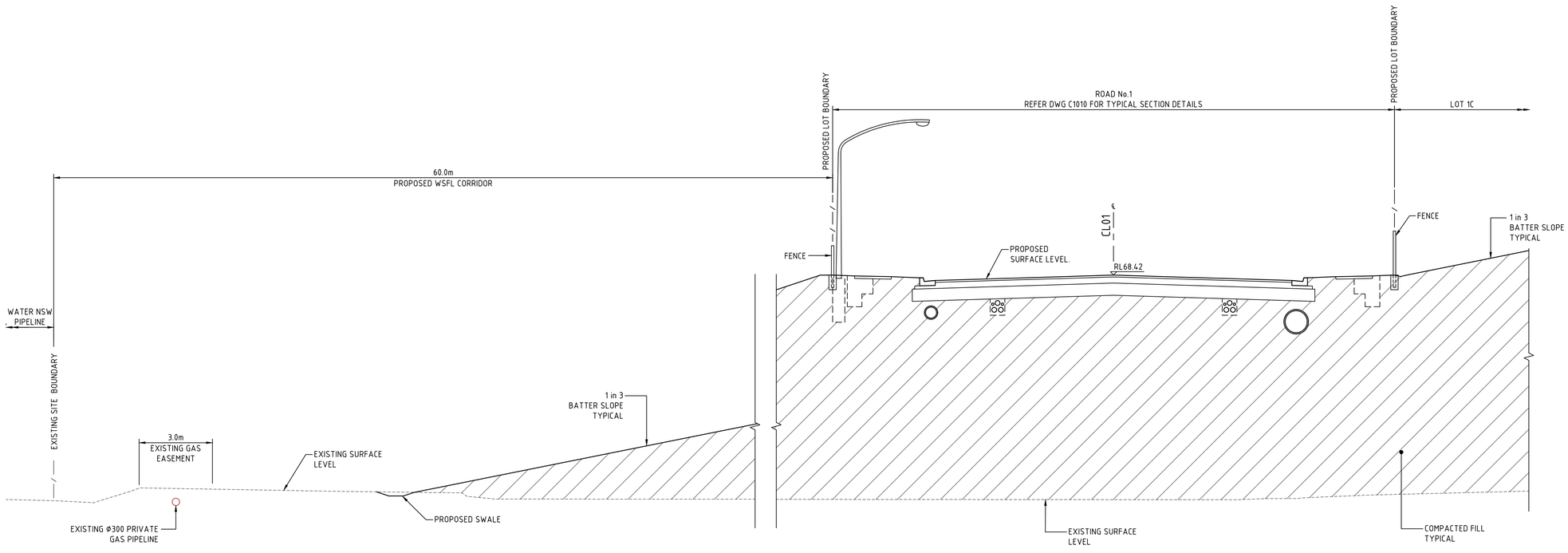
Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
TYPICAL SITE SECTIONS
SHEET 3 OF 6

Drawing No.	Project No.	Issue
15-272-C1006	15-272	A7



DETAIL 10 / C1016
1 : 100



DETAIL 12 / C1017
1 : 100

ALL FINISHED LEVELS ARE ±1000mm U.N.O

Bar Scales

0 2 4 6 8
1 : 100 @ A1 1 : 200 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
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A1

Scales	AS SHOWN	15-272-C1007.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

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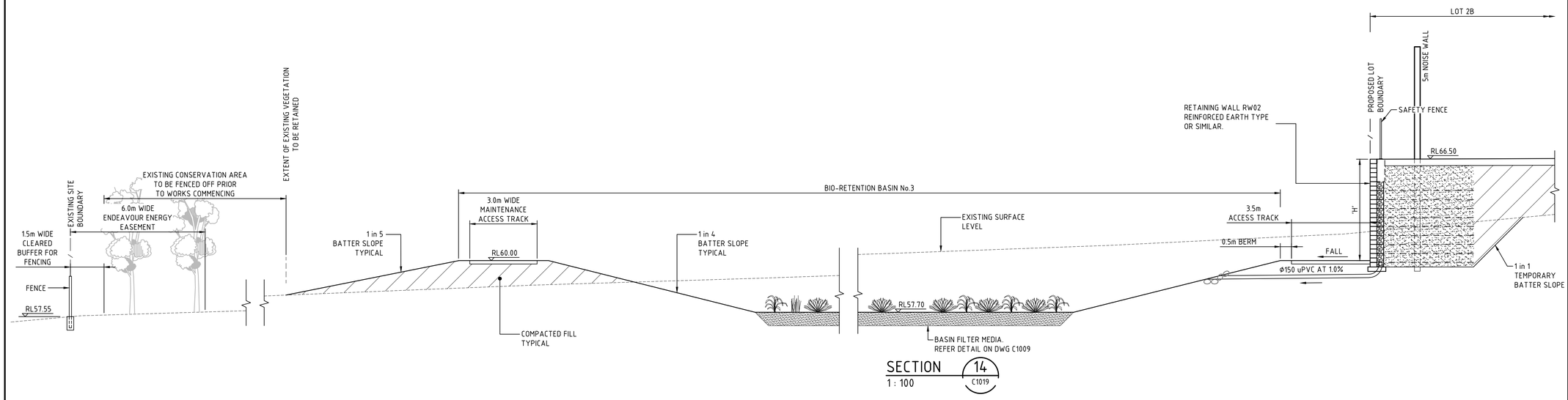
Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

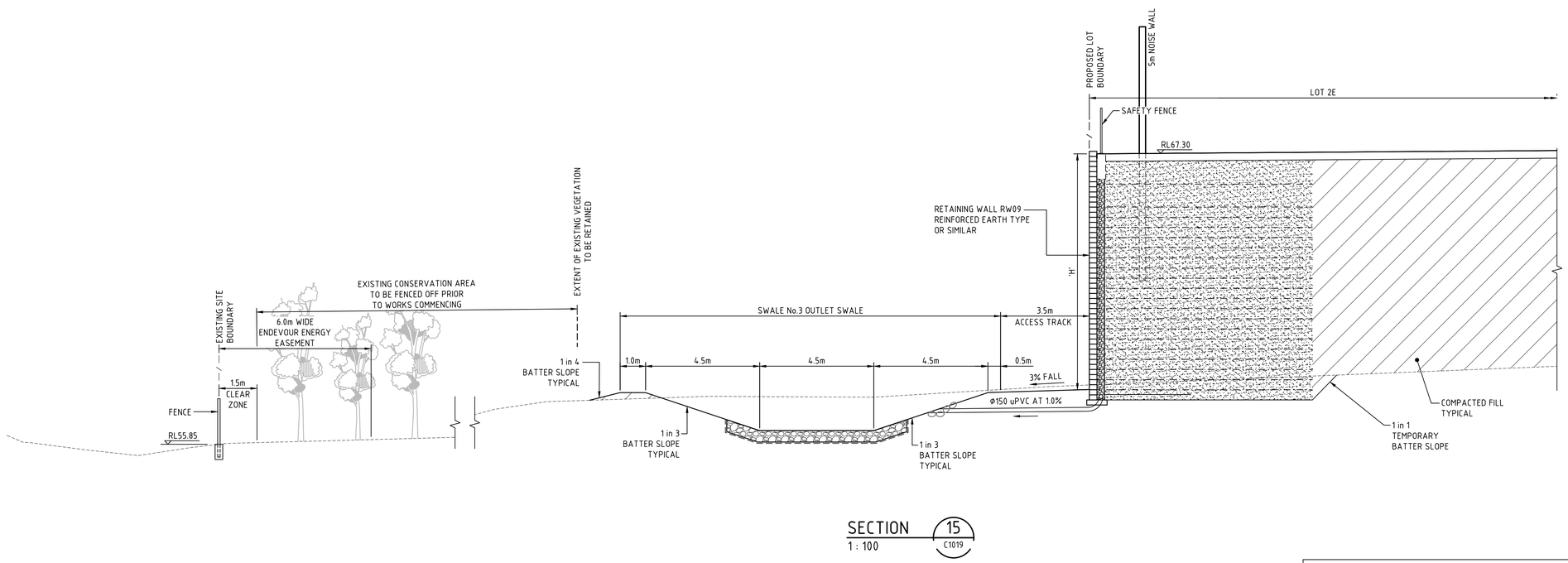
Title
TYPICAL SITE SECTIONS
SHEET 4 OF 6

Drawing No.	Project No.	Issue
15-272-C1007	15-272	A5

100mm on Original



SECTION 14
1 : 100 C1019



SECTION 15
1 : 100 C1019

ALL FINISHED LEVELS ARE ±1000mm U.N.O

Bar Scales

0 2 4 6 8

1 : 100 @ A1 1 : 200 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	11-10-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
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Scales	AS SHOWN	15-272-C1008.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

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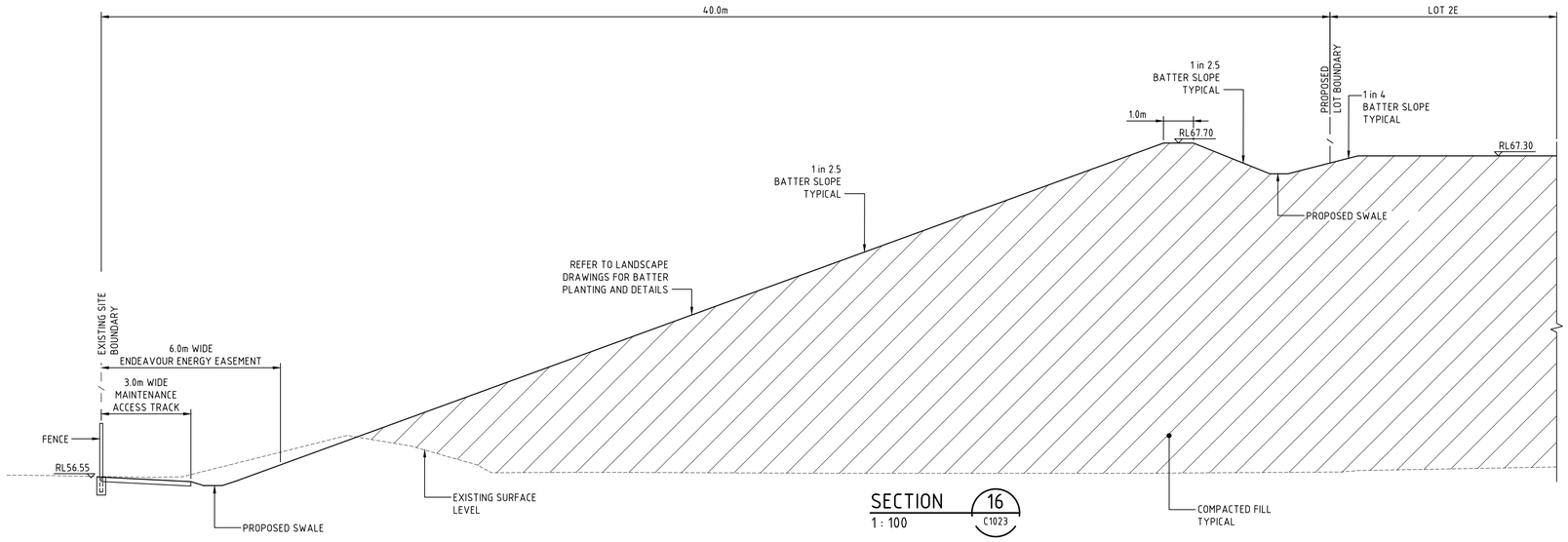
Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

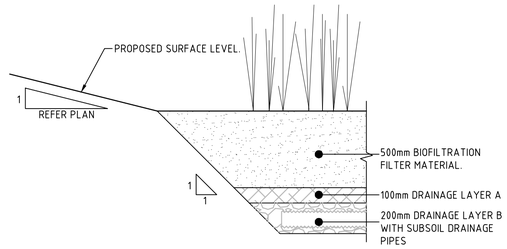
Title
TYPICAL SITE SECTIONS
SHEET 5 OF 6

Drawing No.	Project No.	Issue
15-272-C1008	15-272	A5

100mm on Original

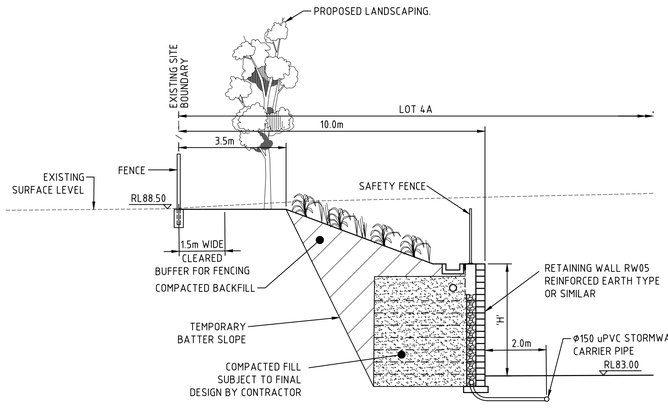


SECTION 16
1 : 100 C1023

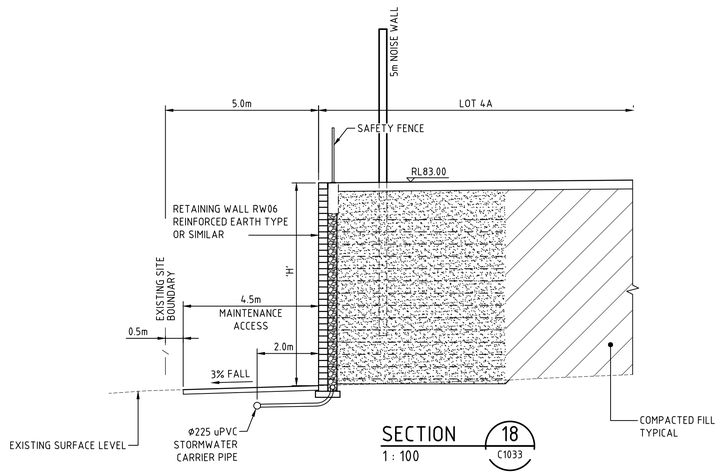


BASIN FILTER MEDIA DETAIL

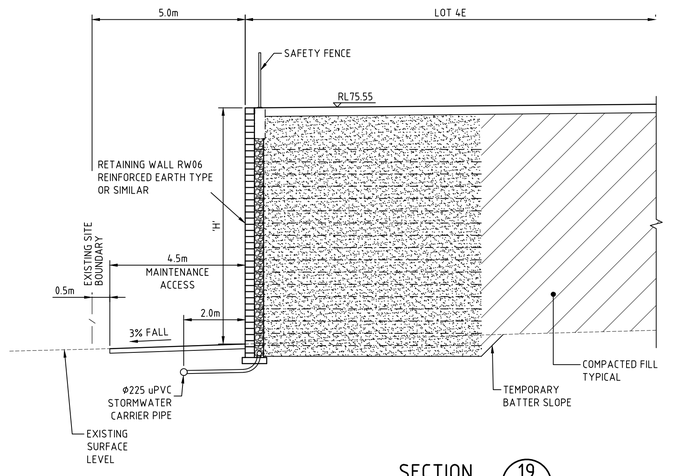
SCALE 1:20



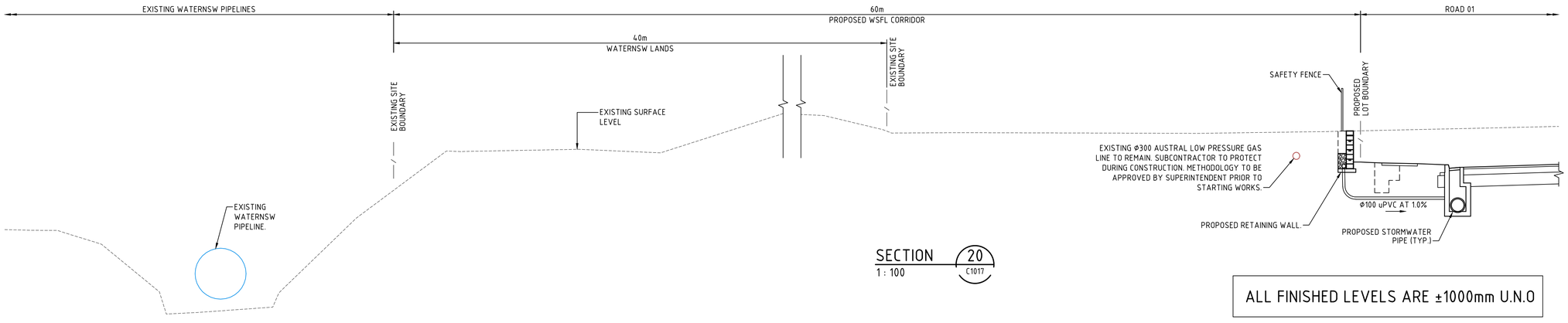
SECTION 17
1 : 100 C1030 & C1033



SECTION 18
1 : 100 C1033



SECTION 19
1 : 100 C1034



SECTION 20
1 : 100 C1017

ALL FINISHED LEVELS ARE ±1000mm U.N.O

Bar Scales
0 500 1000 1500mm
1 : 20 @ A1 1 : 40 @ A3
0 2 4 6 8
1 : 100 @ A1 1 : 200 @ A3

Issue	Description	Date
A6	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A5	ISSUED FOR INFORMATION MOD 1	07-06-19
A4	ISSUED FOR SSD APPROVAL	28-09-18
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status
MOD 1 APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Scales	AS SHOWN	15-272-C1009.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client
Goodman

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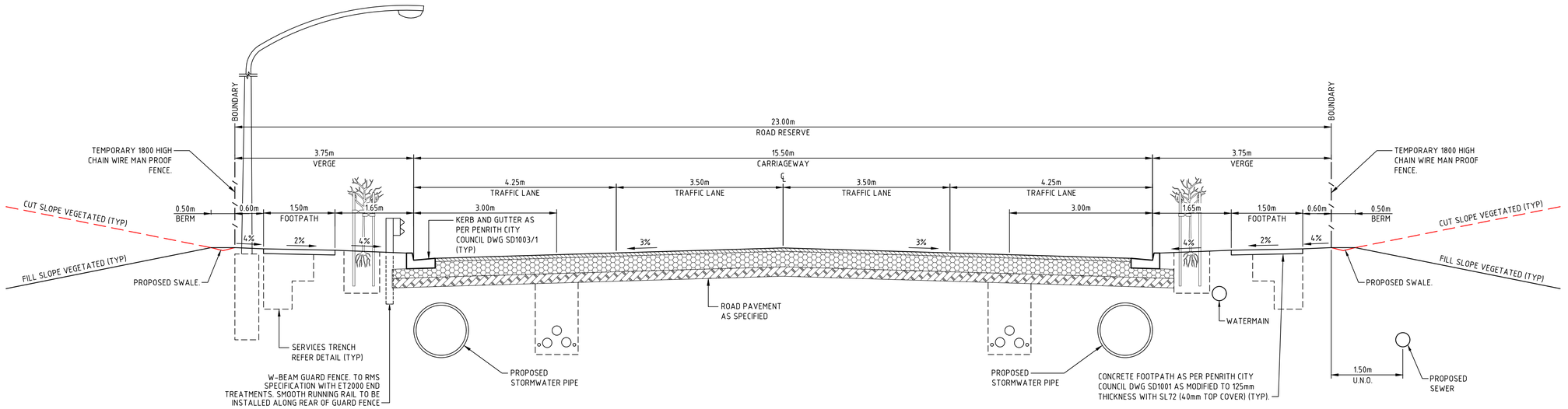
Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

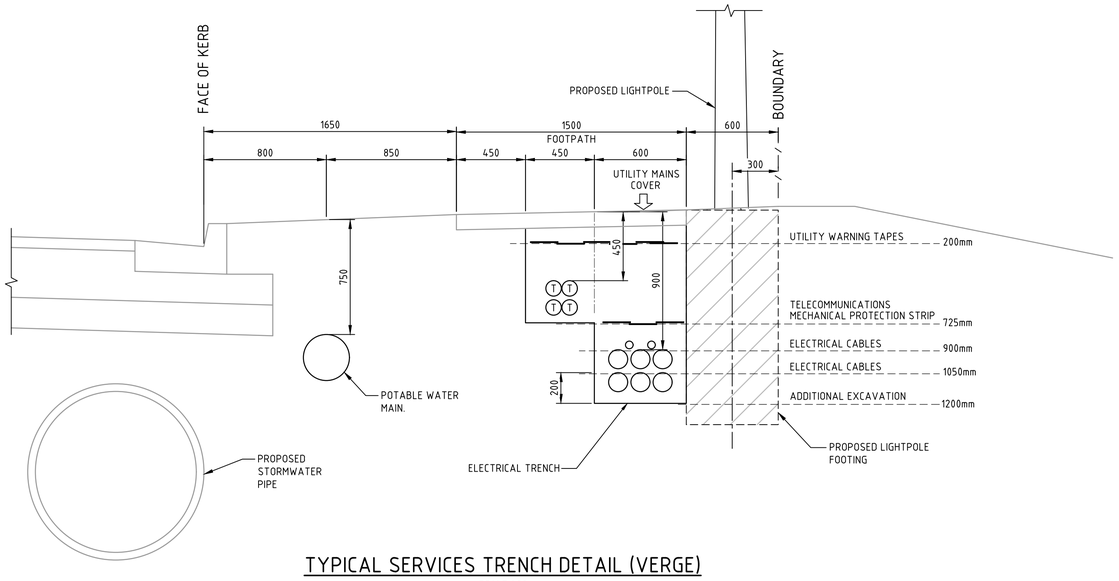
Title
TYPICAL SITE SECTIONS
SHEET 6 OF 6

Drawing No.	Project No.	Issue
15-272-C1009	15-272	A6



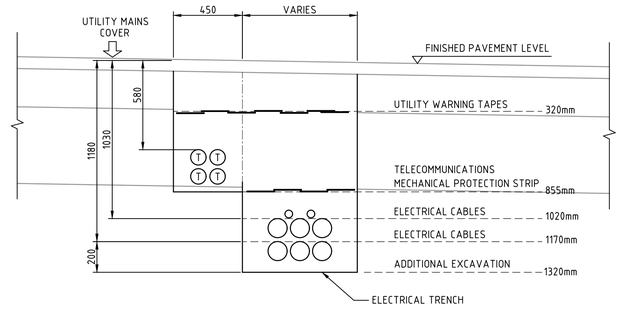
TYPICAL SECTION - ESTATE ROADS

SCALE 1:50



TYPICAL SERVICES TRENCH DETAIL (VERGE)

SCALE 1:20



TYPICAL SERVICES TRENCH DETAIL (ROAD CROSSING)

SCALE 1:20

Bar Scales

0 500 1000 1500

1 : 20 @ A1 1 : 40 @ A3

0 1 2 3 4

1 : 50 @ A1 1 : 100 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Scales	AS SHOWN	15-272-C1010.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

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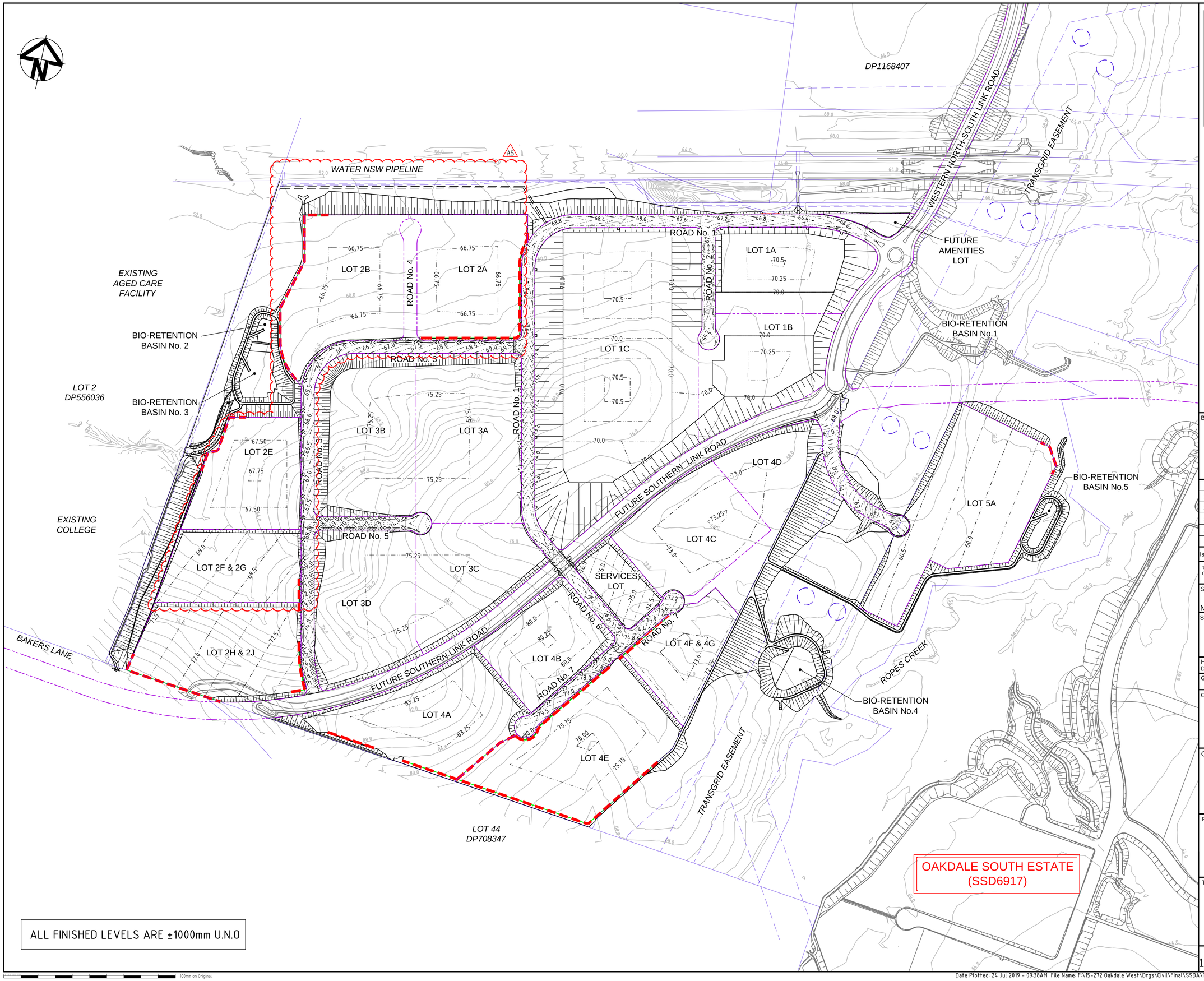
Project: PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title: TYPICAL ROAD SECTIONS

Drawing No.	Project No.	Issue
15-272-C1010	15-272	A5



Bar Scales

0 50 100 150 200 250

1 : 3000 @ A1

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
NOT TO BE USED FOR CONSTRUCTION — A1

Scales	1 : 3000	15-272-C1011.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

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Project: PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title: CONTOUR PLAN

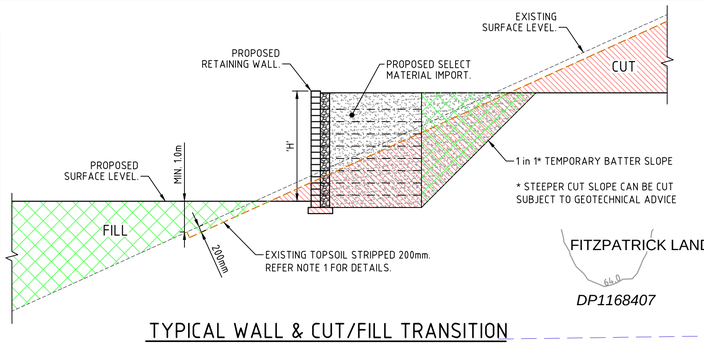
Drawing No.	Project No.	Issue
15-272-C1011	15-272	A5

EARTHWORKS VOLUMES

	A	B	C	D	E = A+B+C+D	F
PRECINCT	EXISTING TOPSOIL STRIPPING VOLUME (cu.m) REFER NOTE No.1	EXCAVATION OF EXISTING CREEKS AND DAMS (cu.m) REFER NOTE No.3	NET CUT (cu.m)	NET FILL (cu.m)	BALANCE (cu.m)	APPROXIMATE VOLUME OF SELECT MATERIAL IMPORT FOR RETAINING WALLS
1	-28,813	-25,263	-428,754	541,483	58,653	2,458
2	-18,800	-13,234	-126,994	1,098,134	939,106	61,189
3	-28,643	0	-947,662	204,228	-772,077	0
4	-18,081	-17,634	-214,940	714,583	463,928	35,308
5	-5,123	-14,986	-3,077	166,289	143,103	832
WNSLR STOCKPILE	-	-	-	-84,212	-84,212	-
TOTAL	-99,460	-71,117	-1,721,427	2,640,505	748,501	99,787

EARTHWORKS CUT\FILL DEPTH RANGE LEGEND

-17m to -16m	-11m to -10m	-6m to -5m	-1m to 0m	4m to 5m	9m to 10m
-15m to -14m	-10m to -9m	-5m to -4m	0m to 1m	5m to 6m	10m to 11m
-14m to -13m	-9m to -8m	-4m to -3m	1m to 2m	6m to 7m	11m to 12m
-13m to -12m	-8m to -7m	-3m to -2m	2m to 3m	7m to 8m	
-12m to -11m	-7m to -6m	-2m to -1m	3m to 4m	8m to 9m	

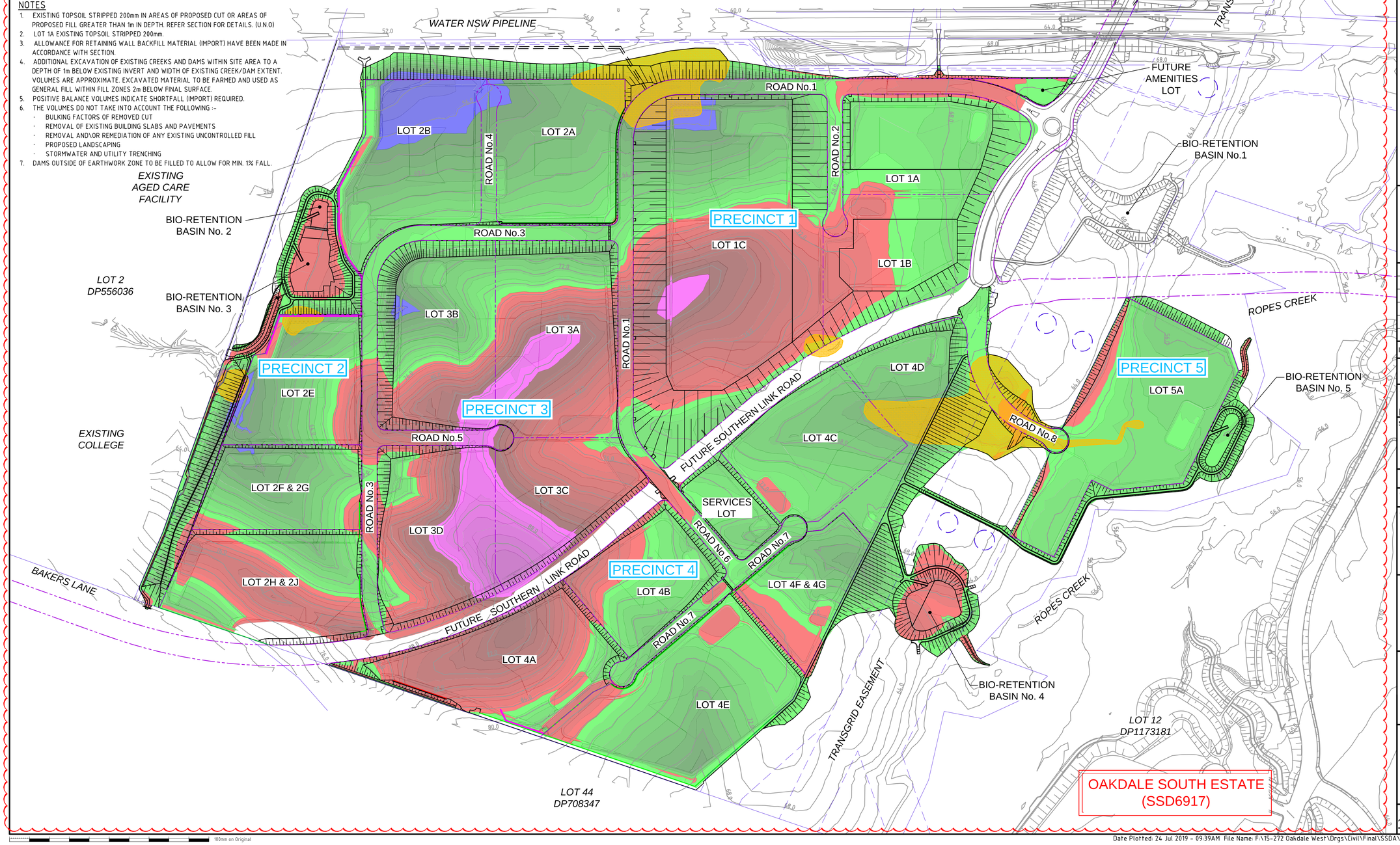


TYPICAL WALL & CUT/FILL TRANSITION

1 : 100

NOTES

1. EXISTING TOPSOIL STRIPPED 200mm IN AREAS OF PROPOSED CUT OR AREAS OF PROPOSED FILL GREATER THAN 1m IN DEPTH. REFER SECTION FOR DETAILS. (U.N.O)
2. LOT 1A EXISTING TOPSOIL STRIPPED 200mm.
3. ALLOWANCE FOR RETAINING WALL BACKFILL MATERIAL (IMPORT) HAVE BEEN MADE IN ACCORDANCE WITH SECTION.
4. ADDITIONAL EXCAVATION OF EXISTING CREEKS AND DAMS WITHIN SITE AREA TO A DEPTH OF 1m BELOW EXISTING INVERT AND WIDTH OF EXISTING CREEK/DAM EXTENT. VOLUMES ARE APPROXIMATE. EXCAVATED MATERIAL TO BE FARMED AND USED AS GENERAL FILL WITHIN FILL ZONES 2m BELOW FINAL SURFACE.
5. POSITIVE BALANCE VOLUMES INDICATE SHORTFALL (IMPORT) REQUIRED.
6. THE VOLUMES DO NOT TAKE INTO ACCOUNT THE FOLLOWING :-
   - BULKING FACTORS OF REMOVED CUT
   - REMOVAL OF EXISTING BUILDING SLABS AND PAVEMENTS
   - REMOVAL AND\OR REMEDIATION OF ANY EXISTING UNCONTROLLED FILL
   - PROPOSED LANDSCAPING
   - STORMWATER AND UTILITY TRENCHING
7. DAMS OUTSIDE OF EARTHWORK ZONE TO BE FILLED TO ALLOW FOR MIN. 1% FALL.



LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- 60.0 EXISTING CONTOUR
- EXTENT OF EXCAVATION OF EXISTING CREEKS AND DAMS (REFER NOTE No.3)
- PROPOSED BOUNDARY
- BEL 70.25 AVERAGE BULK EARTHWORKS LEVEL

A6

Bar Scales

0 2 4 6 8

1 : 100 @ A1

0 50 100 150 200 250

1 : 3000 @ A1

Issue	Description	Date
A6	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A5	ISSUED FOR INFORMATION MOD 1	07-06-19
A4	ISSUED FOR SSD APPROVAL	21-09-18
A3	ISSUED FOR SSD APPROVAL	04-05-18
A2	RE-ISSUED FOR SSD APPROVAL	20-06-17
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Scales	1 : 3000	15-272-C1014.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

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Project: PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title: BULK EARTHWORKS CUT\FILL PLAN

Drawing No.	Project No.	Issue
15-272-C1014	15-272	A6

100mm on Original

KEYPLAN

C1015 C1016 C1017 C1018
C1019 C1020 C1021 C1022
C1023 C1024 C1025 C1026 C1027
C1029 C1030 C1031 C1032 C1028
C1033 C1034

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- 60.0 EXISTING CONTOUR
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- 65.0 PROPOSED CONTOUR
- +BEL75.00 375ϕ PROPOSED BULK EARTHWORKS LEVEL
- STORMWATER PIPE WITH SIZE
- KERB INLET PIT (REFER PCC DWG. SD2001 U.N.O.)
- SURFACE INLET PIT (REFER PCC DWG. SD2002 U.N.O)
- JUNCTION PIT (REFER PCC DWG. SD2002 U.N.O)
- HEADWALL
- 3\1 PROPOSED STORMWATER PIT NUMBER
- SWALE
- SUBSOIL
- PROPOSED RETAINING WALL - FILL
- PROPOSED RETAINING WALL - CUT
- PROPOSED NOISE WALL
- FUTURE RETAINING WALL
- PROPOSED SEWER
- 3.0m WIDE ACCESS TRACK (LIGHT-DUTY PAVEMENT)
- RIP-RAP SCOUR PROTECTION ON GEOTEXTILE FABRIC
- ROCK FILLED RENO MATTRESS ON GEOTEXTILE FABRIC

Bar Scales

0 10 20 30 40

1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Scales	1 : 500	15-272-C1015.dwg	
		Drawn	GB
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Height Datum	AHD	Checked	AM
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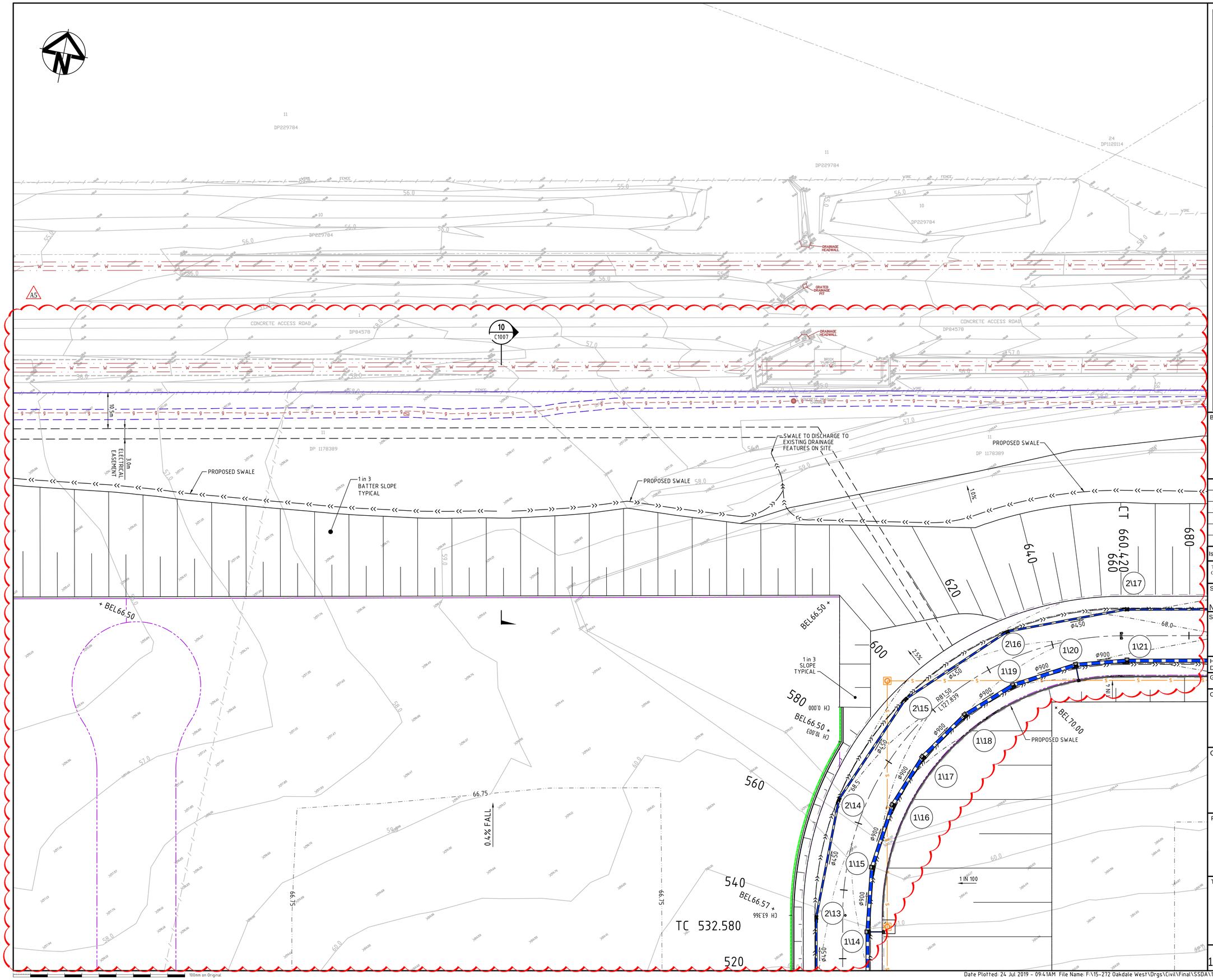
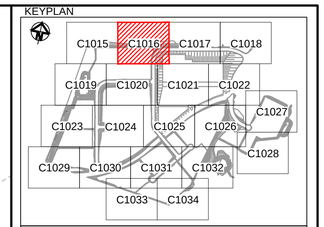
Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
EARTHWORKS AND STORMWATER DRAINAGE PLAN
SHEET 1 OF 20

Drawing No.	Project No.	Issue
15-272-C1015	15-272	A5



KEYPLAN



LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- 60.0 EXISTING CONTOUR
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- 65.0 PROPOSED CONTOUR
- +BEL75.00 375ø PROPOSED BULK EARTHWORKS LEVEL
- STORMWATER PIPE WITH SIZE
- KERB INLET PIT (REFER PCC DWG. SD2001 U.N.O.)
- SURFACE INLET PIT (REFER PCC DWG. SD2002 U.N.O)
- JUNCTION PIT (REFER PCC DWG. SD2002 U.N.O)
- HEADWALL
- 3\1 PROPOSED STORMWATER PIT NUMBER
- SWALE
- SUBSOIL
- PROPOSED RETAINING WALL - FILL
- PROPOSED RETAINING WALL - CUT
- PROPOSED NOISE WALL
- FUTURE RETAINING WALL
- S PROPOSED SEWER
- 3.0m WIDE ACCESS TRACK (LIGHT-DUTY PAVEMENT)
- RIP-RAP SCOUR PROTECTION ON GEOTEXTILE FABRIC
- ROCK FILLED RENO MATTRESS ON GEOTEXTILE FABRIC

Bar Scales

0 10 20 30 40

1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Scales	1 : 500	15-272-C1016.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

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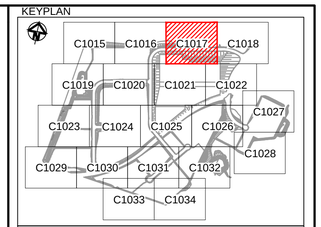
Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
EARTHWORKS AND STORMWATER DRAINAGE PLAN
SHEET 2 OF 20

Drawing No.	Project No.	Issue
15-272-C1016	15-272	A5

KEYPLAN



LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- 60.0 EXISTING CONTOUR
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- 65.0 PROPOSED CONTOUR
- +BEL75.00 PROPOSED BULK EARTHWORKS LEVEL
- 375ϕ STORMWATER PIPE WITH SIZE
- KERB INLET PIT (REFER PCC DWG. SD2001 U.N.O.)
- SURFACE INLET PIT (REFER PCC DWG. SD2002 U.N.O)
- JUNCTION PIT (REFER PCC DWG. SD2002 U.N.O)
- HEADWALL
- 3\1 PROPOSED STORMWATER PIT NUMBER
- SWALE
- SUBSOIL
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- 3.0m WIDE ACCESS TRACK (LIGHT-DUTY PAVEMENT)
- RIP-RAP SCOUR PROTECTION ON GEOTEXTILE FABRIC
- ROCK FILLED RENO MATTRESS ON GEOTEXTILE FABRIC

Bar Scales

0 10 20 30 40

1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL — NOT TO BE USED FOR CONSTRUCTION — A1

Scales	1 : 500	15-272-C1017.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

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Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Project: PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title: EARTHWORKS AND STORMWATER DRAINAGE PLAN SHEET 3 OF 20

Drawing No.	Project No.	Issue
15-272-C1017	15-272	A5

EXISTING Ø300 AUSTRAL LOW PRESSURE GAS LINE TO REMAIN. SUBCONTRACTOR TO PROTECT DURING CONSTRUCTION. METHODOLOGY TO BE APPROVED BY SUPERINTENDENT PRIOR TO STARTING WORKS.

1 in 3 CUT SLOPE TYPICAL

PROPOSED SWALE

+ BEL66.30

+ BEL66.21

+ BEL66.00

+ BEL70.00

CL01

R220.00 L148.36

1781.432

0.5% FALL

1 IN 3

1 IN 10

1 IN 14

LIMIT OF WORKS

BITUMEN ACCESS ROAD

DIRT TRACK

ACCESS RAMP

FENCE

WIRE

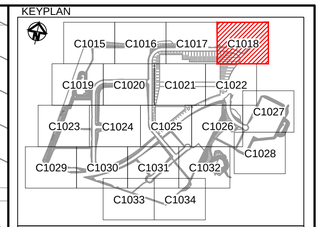
DP229784

DP84578

DP85393

DP 1178389

KEYPLAN



LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- 60.0 EXISTING CONTOUR
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- 65.0 PROPOSED CONTOUR
- +BEL75.00 PROPOSED BULK EARTHWORKS LEVEL
- 375ϕ STORMWATER PIPE WITH SIZE
- KERB INLET PIT (REFER PCC DWG. SD2001 U.N.O.)
- SURFACE INLET PIT (REFER PCC DWG. SD2002 U.N.O)
- JUNCTION PIT (REFER PCC DWG. SD2002 U.N.O)
- HEADWALL
- 3\1 PROPOSED STORMWATER PIT NUMBER
- SWALE
- SUBSOIL
- PROPOSED RETAINING WALL- FILL
- PROPOSED RETAINING WALL - CUT
- PROPOSED NOISE WALL
- FUTURE RETAINING WALL
- S PROPOSED SEWER
- 3.0m WIDE ACCESS TRACK (LIGHT-DUTY PAVEMENT)
- RIP-RAP SCOUR PROTECTION ON GEOTEXTILE FABRIC
- ROCK FILLED RENO MATTRESS ON GEOTEXTILE FABRIC

Bar Scales

0 10 20 30 40

1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Scales	1 : 500	15-272-C1018.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

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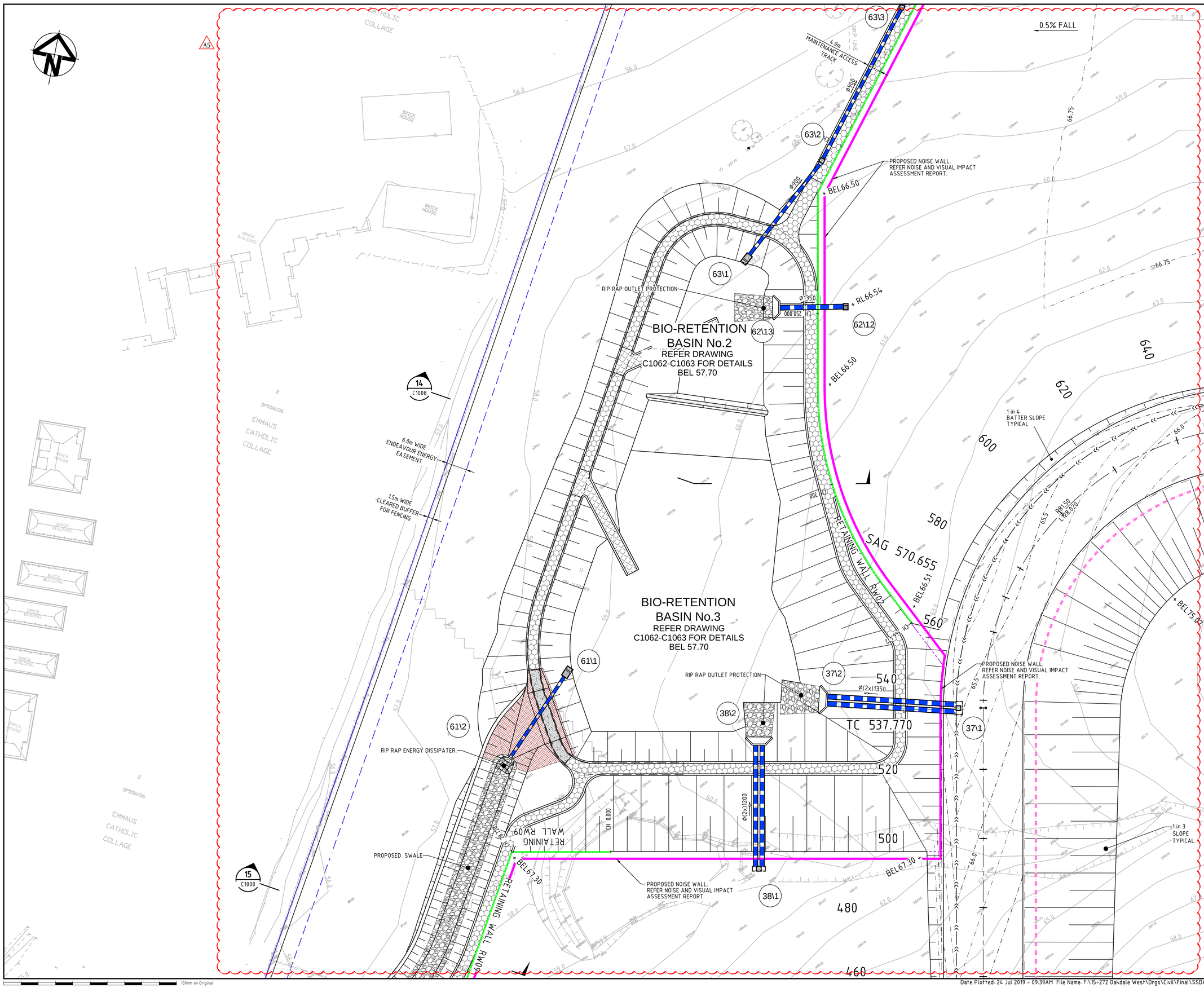
Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
EARTHWORKS AND STORMWATER DRAINAGE PLAN
SHEET 4 OF 20

Drawing No.	Project No.	Issue
15-272-C1018	15-272	A5

100mm on Original

Date Plotted: 24 Jul 2019 - 09:42AM File Name: F:\15-272 Oakdale West\Drgs\Civil\Final\SSDA\1000_MOD 1_Infrastructure Package\15-272-C1018.dwg V1



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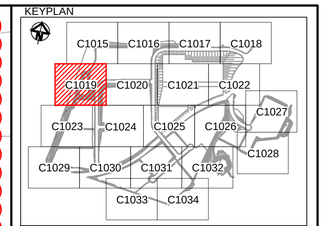

LEGEND

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- EXISTING EASEMENT
- 60.0 EXISTING CONTOUR
- PROPOSED BOUNDARY
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Bar Scales

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1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
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Status: MOD 1 APPROVAL — NOT TO BE USED FOR CONSTRUCTION — A1

Scales	1 : 500	15-272-C1019.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

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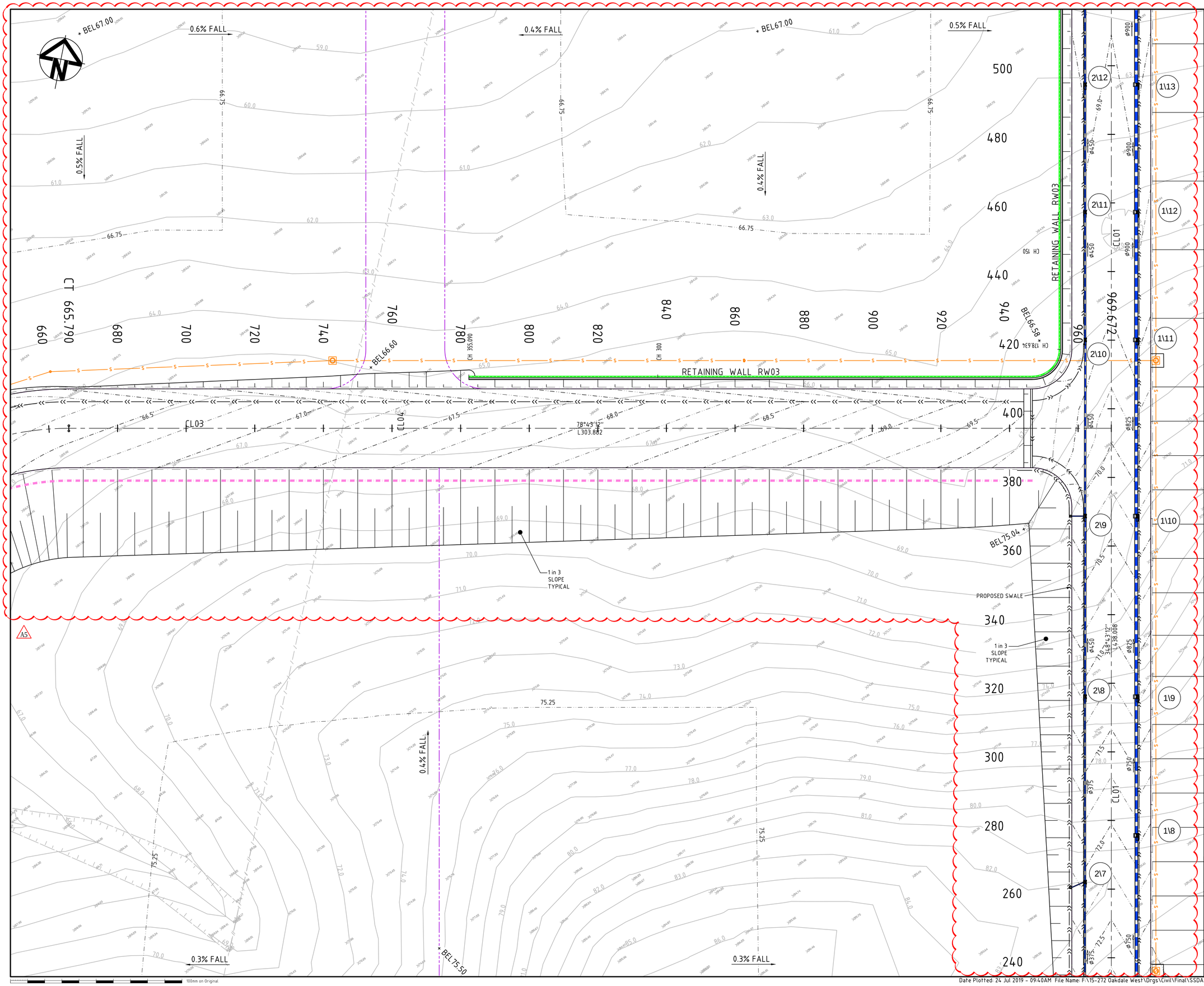
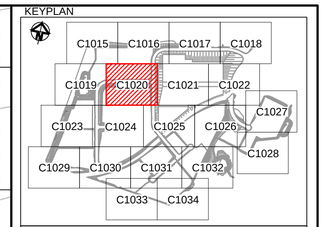
Project: PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title: EARTHWORKS AND STORMWATER DRAINAGE PLAN SHEET 5 OF 20

Drawing No.	Project No.	Issue
15-272-C1019	15-272	A5



KEYPLAN



LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- 60.0 EXISTING CONTOUR
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- 65.0 PROPOSED CONTOUR
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- 375ϕ STORMWATER PIPE WITH SIZE
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- HEADWALL
- 3\1 PROPOSED STORMWATER PIT NUMBER
- SWALE
- SUBSOIL
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- S PROPOSED SEWER
- 3.0m WIDE ACCESS TRACK (LIGHT-DUTY PAVEMENT)
- RIP-RAP SCOUR PROTECTION ON GEOTEXTILE FABRIC
- ROCK FILLED RENO MATTRESS ON GEOTEXTILE FABRIC

Bar Scales

0 10 20 30 40

1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
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Status: MOD 1 APPROVAL — NOT TO BE USED FOR CONSTRUCTION — A1

Scales	1 : 500	15-272-C1020.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

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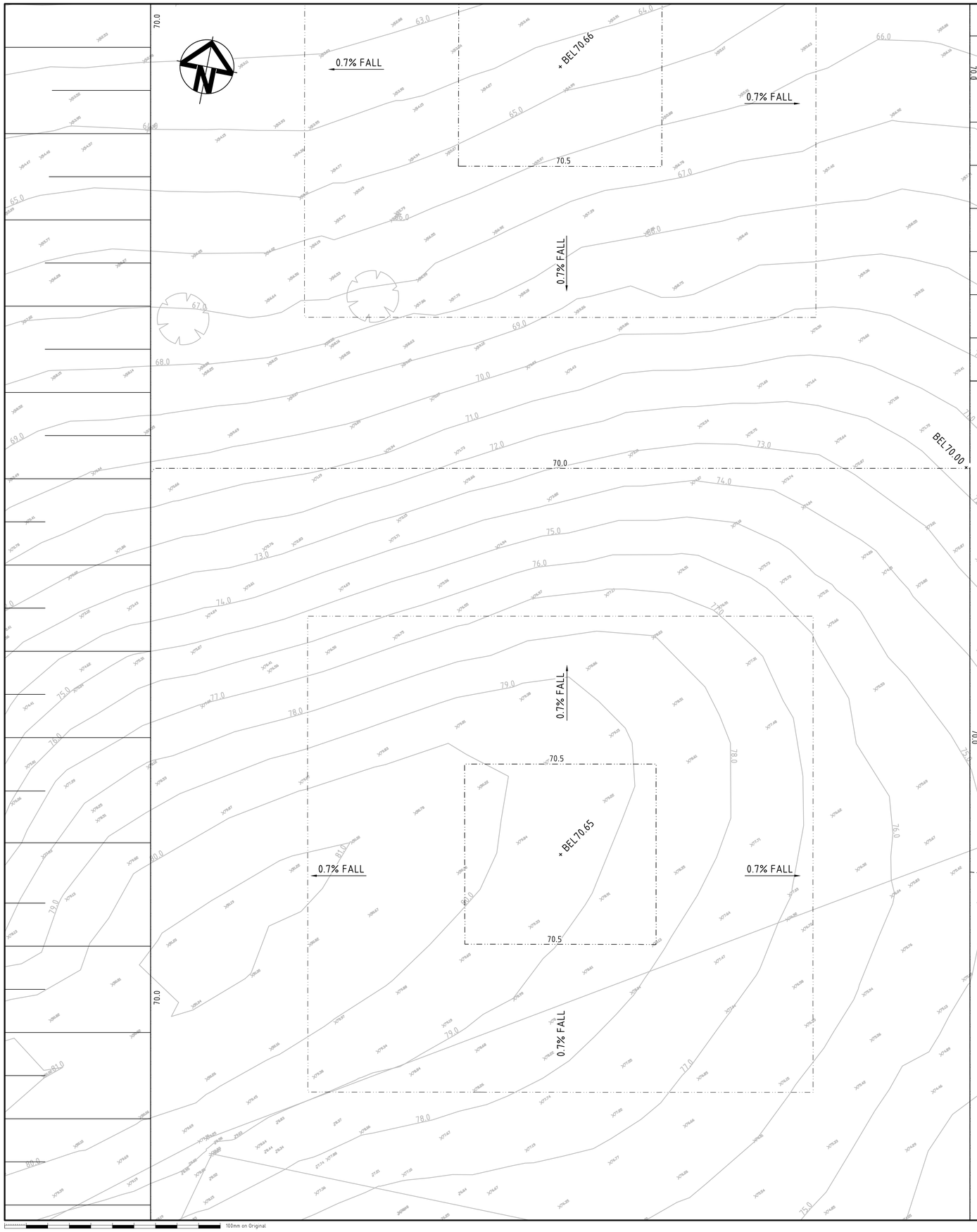
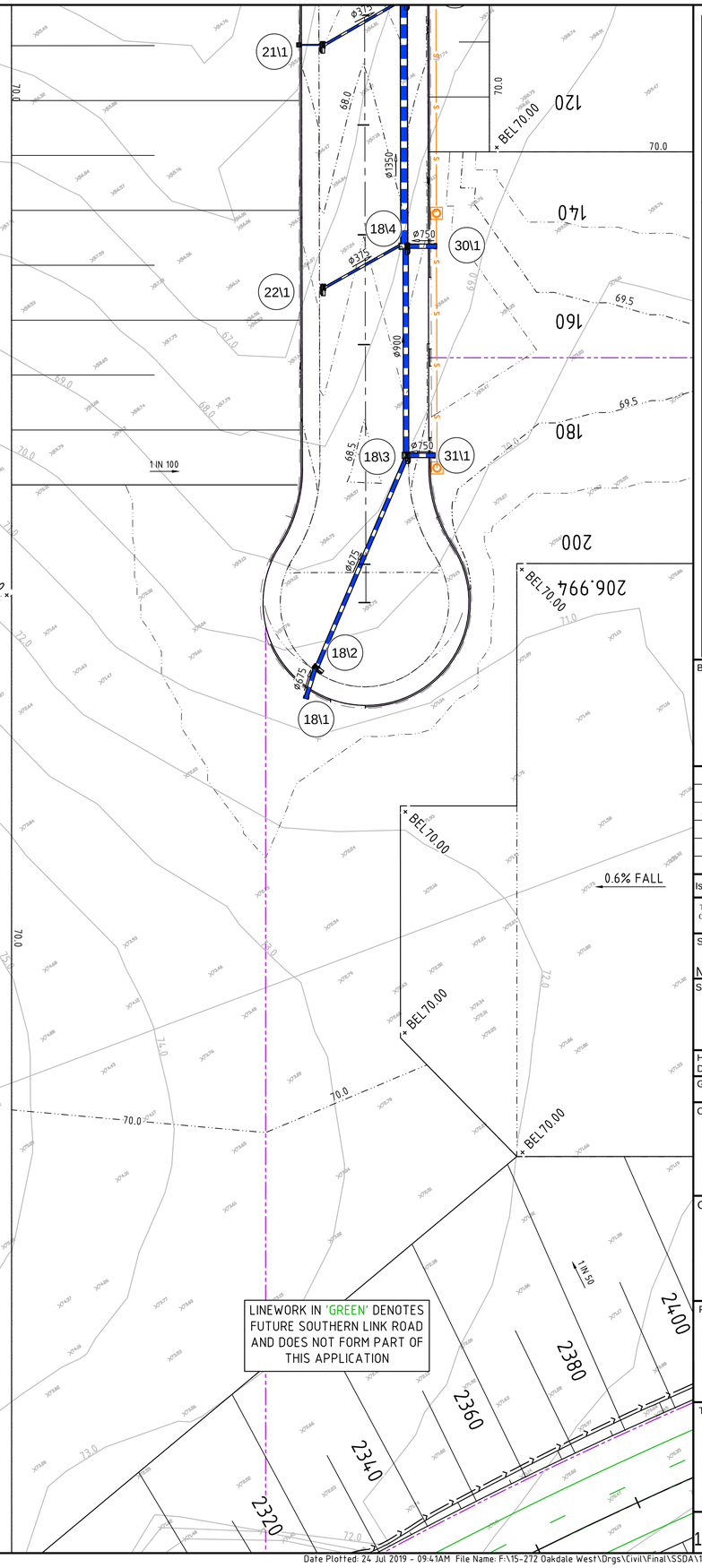
Project: PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title: EARTHWORKS AND STORMWATER DRAINAGE PLAN SHEET 6 OF 20

Drawing No.	Project No.	Issue
15-272-C1020	15-272	A5

100mm on Original





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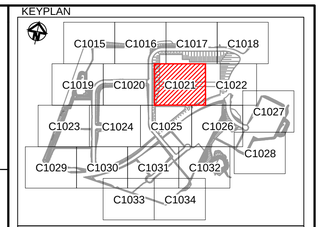

LEGEND

- EXISTING BOUNDARY
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Status: MOD 1 APPROVAL
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A1

Scales	1 : 500	15-272-C1021.dwg	
		Drawn	GB
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Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

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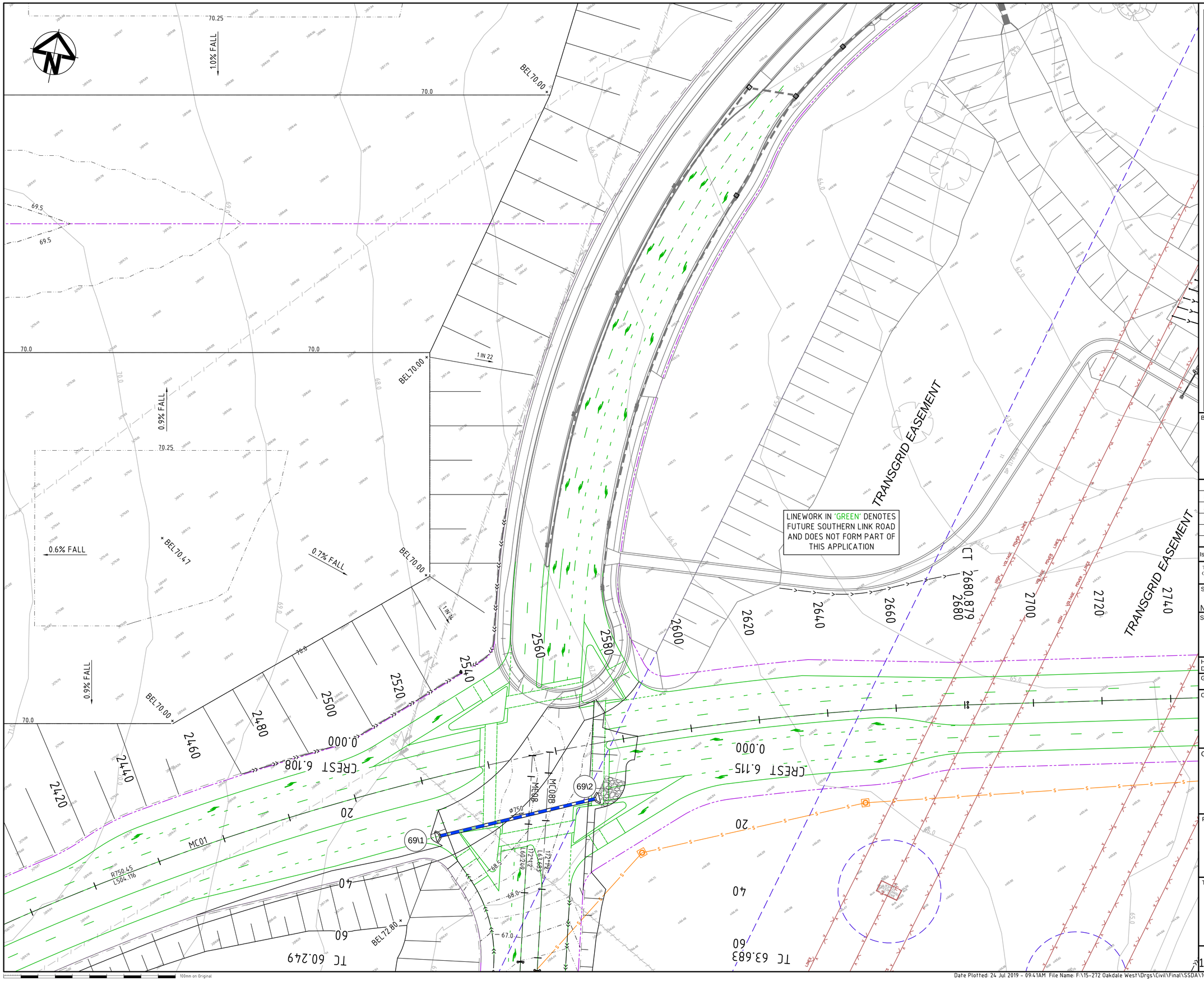
Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
EARTHWORKS AND STORMWATER DRAINAGE PLAN
SHEET 7 OF 20

Drawing No.	Project No.	Issue
15-272-C1021	15-272	A5

100mm on Original



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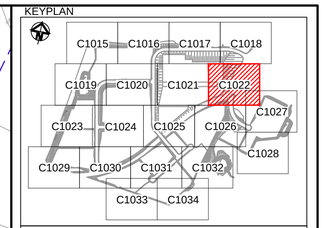

LEGEND

- EXISTING BOUNDARY
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Bar Scales

0 10 20 30 40

1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
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Scales	1 : 500	15-272-C1022.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

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Project: PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title: EARTHWORKS AND STORMWATER DRAINAGE PLAN SHEET 8 OF 20

Drawing No.	Project No.	Issue
15-272-C1022	15-272	A5

JUTE MAT AND PLANTING TO LANDSCAPE ARCHITECTS SPECIFICATION.

PROVIDE TAILOUT DRAIN FOR WALL SUBSURFACE DRAINAGE

RETAINING WALL RW05

PROPOSED NOISE WALL. REFER NOISE AND VISUAL IMPACT ASSESSMENT REPORT.

PROPOSED SWALE

+BEL67.30

3.0m WIDE CONCRETE APRON

PROVIDE TAILOUT DRAIN FOR WALL SUBSURFACE DRAINAGE

3.0m WIDE CONCRETE APRON

A5

DP556036

EMMAUS CATHOLIC COLLAGE

DEMOUNTABLE BUILDING

METAL SHED

BRICK BUILDING

DRAINAGE PIT

PROPOSED RETAINING WALL

RETAINING WALL RW08

RL67.00

RL66.44

16
C1009

1 in 2.5 BATTER SLOPE TYPICAL

1 in 2.5 BATTER SLOPE TYPICAL

6.0m WIDE ENDEAVOUR ENERGY EASEMENT

3.0m

PROPOSED SWALE

1 in 4 BATTER SLOPE TYPICAL

PROPOSED SWALE

0.5% FALL

0.5% FALL

0.5% FALL

0.5% FALL

67.50

67.75

67.75

+BEL67.80

67.50

62.50

69.0

69.5

1 in 3 SLOPE TYPICAL

RL67.10

+BEL67.30

RL69.64

+BEL68.81

+BEL69.00

PROPOSED RETAINING WALL

RETAINING WALL RW07

1 in 2.5 BATTER SLOPE TYPICAL

1 in 2.5 BATTER SLOPE TYPICAL

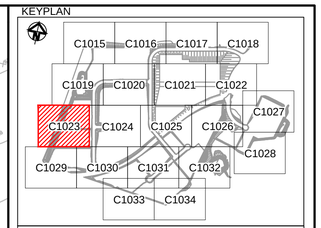
1.3%

0.5% FALL

0.5% FALL

440
420
400
380
360
340
320
300
280
260
240
220
200
180

KEYPLAN



LEGEND

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0 10 20 30 40

1 : 500 @ A1 1 : 1000 @ A3

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Issue	Description	Date

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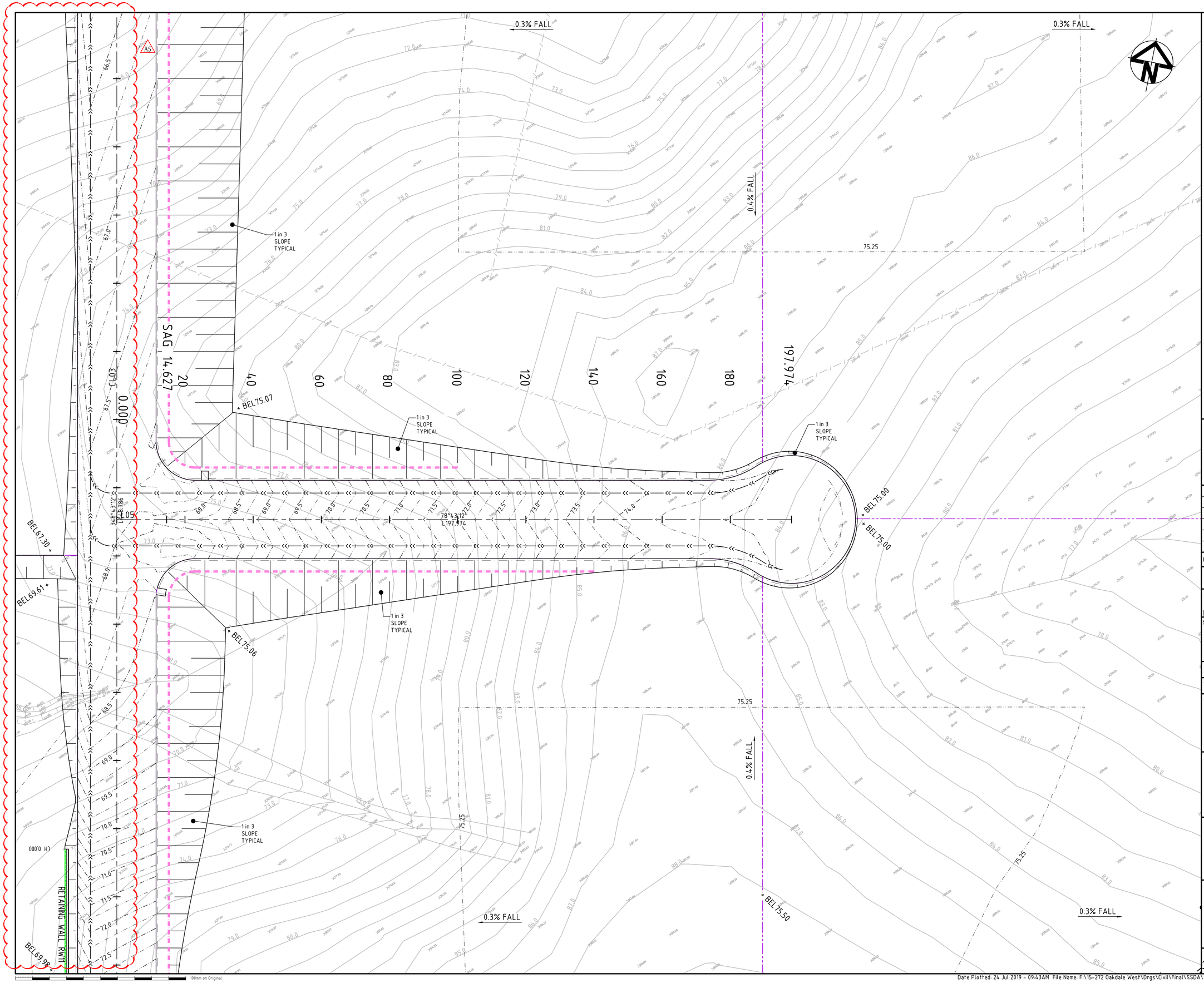
Project: PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

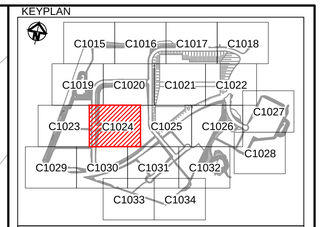
Title: EARTHWORKS AND STORMWATER DRAINAGE PLAN SHEET 9 OF 20

Drawing No.	Project No.	Issue
15-272-C1023	15-272	A5

100mm on Original



KEYPLAN



LEGEND

- EXISTING BOUNDARY
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- PROPOSED BOUNDARY
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Bar Scales

0 10 20 30 40

1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
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A1	ISSUED FOR SSD APPROVAL	14-03-17

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A1

Scales	1 : 500	15-272-C1024.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

Civil Engineers and Project Managers
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Fax: 02 9923 1055
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Project: PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title: EARTHWORKS AND STORMWATER DRAINAGE PLAN SHEET 10 OF 20

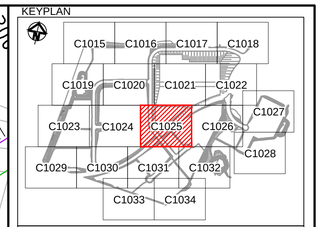
Drawing No.	Project No.	Issue
15-272-C1024	15-272	A5

100mm on Original

LINEWORK IN 'GREEN' DENOTES FUTURE SOUTHERN LINK ROAD AND DOES NOT FORM PART OF THIS APPLICATION

LINEWORK IN 'GREEN' DENOTES FUTURE SOUTHERN LINK ROAD AND DOES NOT FORM PART OF THIS APPLICATION

KEYPLAN



LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- EXISTING CONTOUR
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- PROPOSED CONTOUR
- PROPOSED BULK EARTHWORKS LEVEL
- STORMWATER PIPE WITH SIZE
- KERB INLET PIT (REFER PCC DWG. SD2001 U.N.O.)
- SURFACE INLET PIT (REFER PCC DWG. SD2002 U.N.O)
- JUNCTION PIT (REFER PCC DWG. SD2002 U.N.O)
- HEADWALL
- PROPOSED STORMWATER PIT NUMBER
- SWALE
- SUBSOIL
- PROPOSED RETAINING WALL - FILL
- PROPOSED RETAINING WALL - CUT
- PROPOSED NOISE WALL
- FUTURE RETAINING WALL
- PROPOSED SEWER
- 3.0m WIDE ACCESS TRACK (LIGHT-DUTY PAVEMENT)
- RIP-RAP SCOUR PROTECTION ON GEOTEXTILE FABRIC
- ROCK FILLED RENO MATTRESS ON GEOTEXTILE FABRIC

Bar Scales

0 10 20 30 40

1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status
MOD 1 APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Scales	1 : 500	15-272-C1025.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client
Goodman

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Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
EARTHWORKS AND STORMWATER DRAINAGE PLAN
SHEET 11 OF 20

Drawing No.	Project No.	Issue
15-272-C1025	15-272	A5

LINEWORK IN 'GREEN' DENOTES FUTURE SOUTHERN LINK ROAD AND DOES NOT FORM PART OF THIS APPLICATION

1 in 4 SLOPE TYPICAL

1 in 4 SLOPE TYPICAL

1 in 8 CUT SLOPE TYPICAL

BEL71.67 +

BEL72.80 +

0.4% FALL

0.5% FALL

0.4% FALL

0.4% FALL

R=149.00 L=163.797

R=149.00 L=163.797

730

* BEL73.30

73.25

3.0m WIDE MAINTENANCE ACCESS

PROPOSED SWALE

1 in 8 BATTER SLOPE TYPICAL

* RL72.77 -12.5% RL69.14 +

3.0m WIDE CONCRETE APRON.

A5

TRANSGRID EASEMENT

1 in 8 SLOPE TYPICAL

3.0m ACCESS TRACK

1 in 4 SLOPE TYPICAL

EXISTING TREE TO BE REMOVED (TYP.)

+ BEL72.80

53\1

41\10

BEL72.70 +

ø900

ø1650

100mm on Original

KEYPLAN

C1015 C1016 C1017 C1018
C1019 C1020 C1021 C1022
C1023 C1024 C1025 C1026 C1027
C1028
C1029 C1030 C1031 C1032
C1033 C1034

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- 60.0 EXISTING CONTOUR
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- 65.0 PROPOSED CONTOUR
- +BEL75.00 PROPOSED BULK EARTHWORKS LEVEL
- 375ø STORMWATER PIPE WITH SIZE
- KERB INLET PIT (REFER PCC DWG. SD2001 U.N.O.)
- SURFACE INLET PIT (REFER PCC DWG. SD2002 U.N.O)
- JUNCTION PIT (REFER PCC DWG. SD2002 U.N.O)
- HEADWALL
- 3\1 PROPOSED STORMWATER PIT NUMBER
- SWALE
- SUBSOIL
- PROPOSED RETAINING WALL - FILL
- PROPOSED RETAINING WALL - CUT
- PROPOSED NOISE WALL
- FUTURE RETAINING WALL
- S PROPOSED SEWER
- 3.0m WIDE ACCESS TRACK (LIGHT-DUTY PAVEMENT)
- RIP-RAP SCOUR PROTECTION ON GEOTEXTILE FABRIC
- ROCK FILLED RENO MATTRESS ON GEOTEXTILE FABRIC

Bar Scales

0 10 20 30 40

1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
NOT TO BE USED FOR CONSTRUCTION — A1

Scales	1 : 500	15-272-C1026.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

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Project: PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title: EARTHWORKS AND STORMWATER DRAINAGE PLAN SHEET 12 OF 20

Drawing No.	Project No.	Issue
15-272-C1026	15-272	A5

MC01
76°57'35"
L322.684
BEL60.62
PROPOSED SWALE
1 in 4
BATTER
SLOPE
TYPICAL
CH 68.872
CH 51.914
RET WALL
BEL59.59 +
CH 16.617
RIP RAP OUTLET PROTECTION
66\3
CH 0.000
ø750
1 in 4
BATTER
SLOPE
TYPICAL
66\2
ø750
66\1
42\1
ø2x1050
RIP RAP OUTLET PROTECTION
42\2
1 in 4
BATTER
SLOPE
TYPICAL
EXISTING TREE TO
BE REMOVED (TYP.)
1 in 4
SLOPE
TYPICAL
1 in 8
CUT SLOPE
TYPICAL
0.5% FALL
0.5% FALL
0.5% FALL
R15.3m
BIO-RETENTION
BASIN No.5
REFER DRAWING C1066
FOR DETAILS
BEL 57.00

LINEWORK IN 'GREEN' DENOTES FUTURE SOUTHERN LINK ROAD AND DOES NOT FORM PART OF THIS APPLICATION

KEYPLAN

C1015 C1016 C1017 C1018
C1019 C1020 C1021 C1022
C1023 C1024 C1025 C1026 C1027
C1028
C1029 C1030 C1031 C1032
C1033 C1034

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- 60.0 EXISTING CONTOUR
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- 65.0 PROPOSED CONTOUR
- +BEL75.00 375ø PROPOSED BULK EARTHWORKS LEVEL
- STORMWATER PIPE WITH SIZE
- KERB INLET PIT (REFER PCC DWG. SD2001 U.N.O.)
- SURFACE INLET PIT (REFER PCC DWG. SD2002 U.N.O)
- JUNCTION PIT (REFER PCC DWG. SD2002 U.N.O)
- HEADWALL
- 3\1 PROPOSED STORMWATER PIT NUMBER
- SWALE
- SUBSOIL
- PROPOSED RETAINING WALL - FILL
- PROPOSED RETAINING WALL - CUT
- PROPOSED NOISE WALL
- FUTURE RETAINING WALL
- S PROPOSED SEWER
- 3.0m WIDE ACCESS TRACK (LIGHT-DUTY PAVEMENT)
- RIP-RAP SCOUR PROTECTION ON GEOTEXTILE FABRIC
- ROCK FILLED RENO MATTRESS ON GEOTEXTILE FABRIC

Bar Scales

0 10 20 30 40

1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status
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A1

Scales	1 : 500	15-272-C1027.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
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Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
EARTHWORKS AND STORMWATER DRAINAGE PLAN
SHEET 13 OF 20

Drawing No.	Project No.	Issue
15-272-C1027	15-272	A5

100mm on Original

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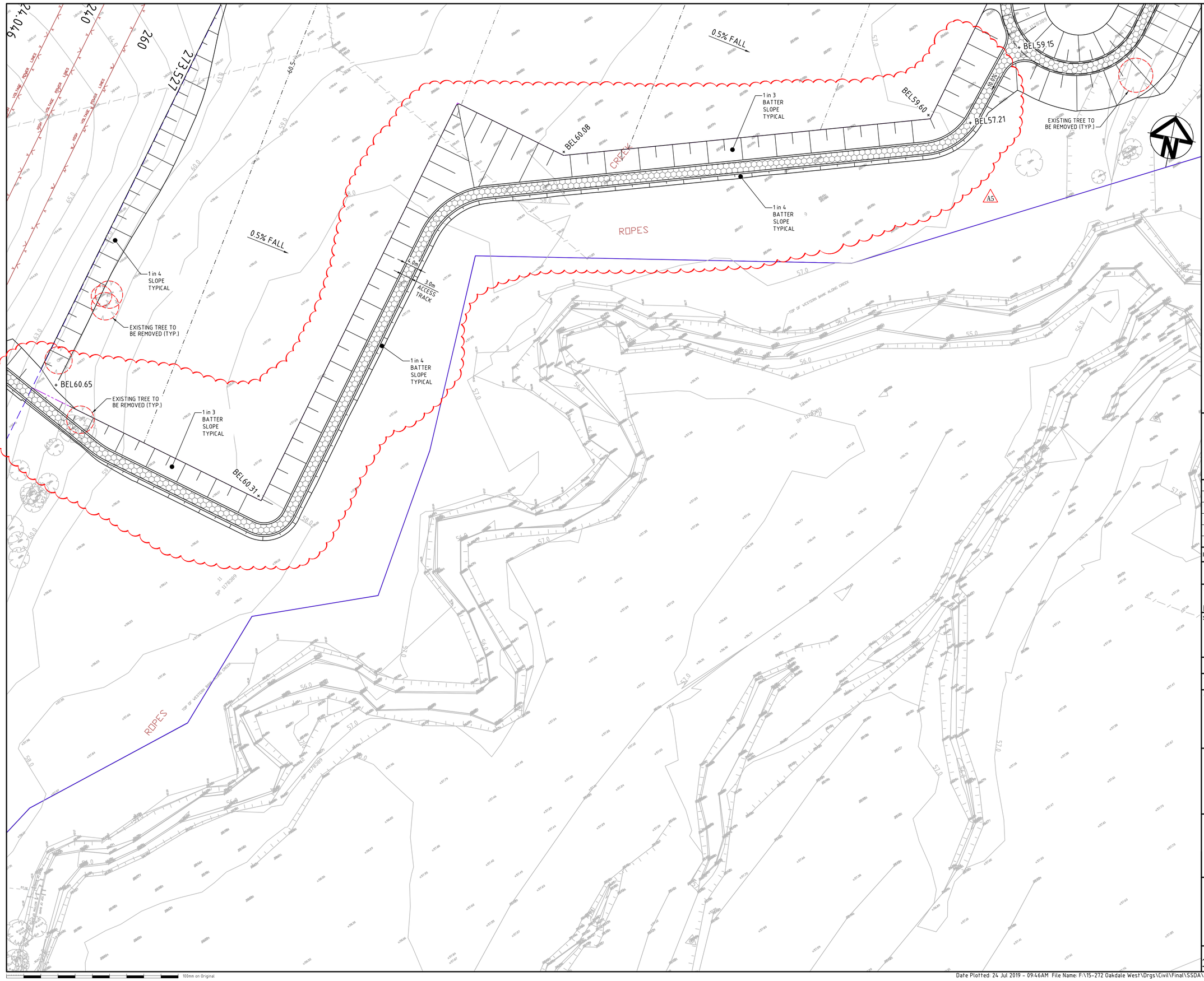

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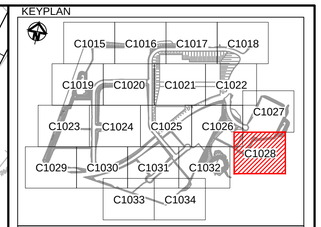

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- 60.0 EXISTING CONTOUR
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- 65.0 PROPOSED CONTOUR
- +BEL75.00 PROPOSED BULK EARTHWORKS LEVEL
- 375ϕ STORMWATER PIPE WITH SIZE
- KERB INLET PIT (REFER PCC DWG. SD2001 U.N.O.)
- SURFACE INLET PIT (REFER PCC DWG. SD2002 U.N.O)
- JUNCTION PIT (REFER PCC DWG. SD2002 U.N.O)
- HEADWALL
- 3\1 PROPOSED STORMWATER PIT NUMBER
- SWALE
- SUBSOIL
- PROPOSED RETAINING WALL- FILL
- PROPOSED RETAINING WALL - CUT
- PROPOSED NOISE WALL
- FUTURE RETAINING WALL
- S PROPOSED SEWER
- 3.0m WIDE ACCESS TRACK (LIGHT-DUTY PAVEMENT)
- RIP-RAP SCOUR PROTECTION ON GEOTEXTILE FABRIC
- ROCK FILLED RENO MATTRESS ON GEOTEXTILE FABRIC

Bar Scales

0 10 20 30 40

1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
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A1

Scales	1 : 500	15-272-C1028.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

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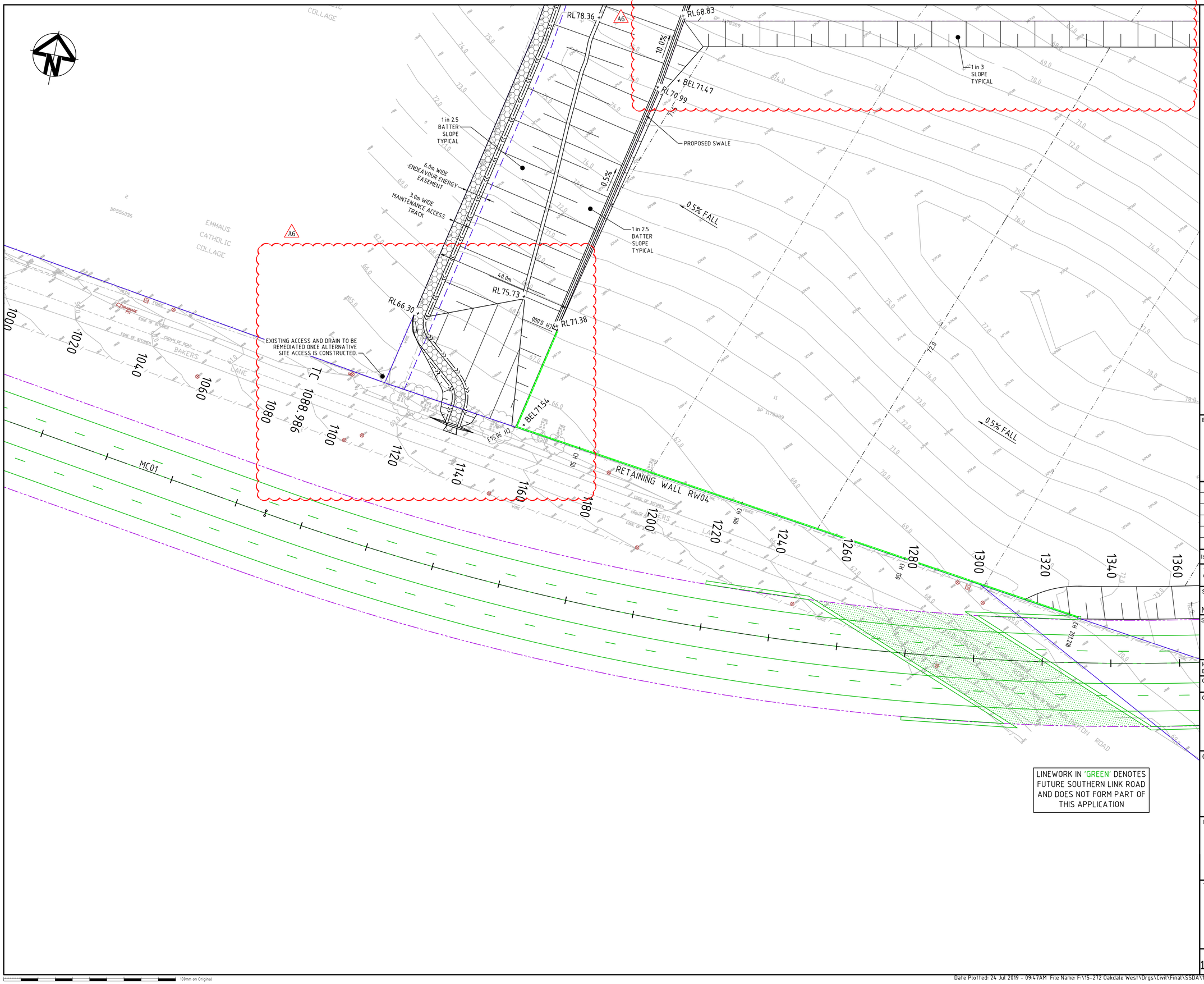
Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
EARTHWORKS AND STORMWATER DRAINAGE PLAN
SHEET 14 OF 20

Drawing No.	Project No.	Issue
15-272-C1028	15-272	A5



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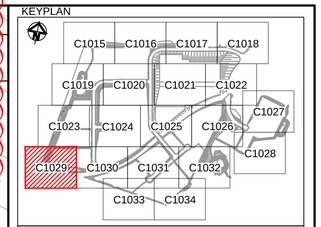

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- EXISTING CONTOUR (60.0)
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- PROPOSED CONTOUR (65.0)
- PROPOSED BULK EARTHWORKS LEVEL (+BEL75.00)
- STORMWATER PIPE WITH SIZE (375ϕ)
- KERB INLET PIT (REFER PCC DWG. SD2001 U.N.O.)
- SURFACE INLET PIT (REFER PCC DWG. SD2002 U.N.O)
- JUNCTION PIT (REFER PCC DWG. SD2002 U.N.O)
- HEADWALL
- PROPOSED STORMWATER PIT NUMBER (3\1)
- SWALE
- SUBSOIL
- PROPOSED RETAINING WALL - FILL
- PROPOSED RETAINING WALL - CUT
- PROPOSED NOISE WALL
- FUTURE RETAINING WALL
- PROPOSED SEWER (S)
- 3.0m WIDE ACCESS TRACK (LIGHT-DUTY PAVEMENT)
- RIP-RAP SCOUR PROTECTION ON GEOTEXTILE FABRIC
- ROCK FILLED RENO MATTRESS ON GEOTEXTILE FABRIC

Bar Scales

0 10 20 30 40

1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
A6	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A5	ISSUED FOR INFORMATION MOD 1	07-06-19
A4	ISSUED FOR SSD APPROVAL	04-10-18
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
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A1

Scales	1 : 500	15-272-C1029.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

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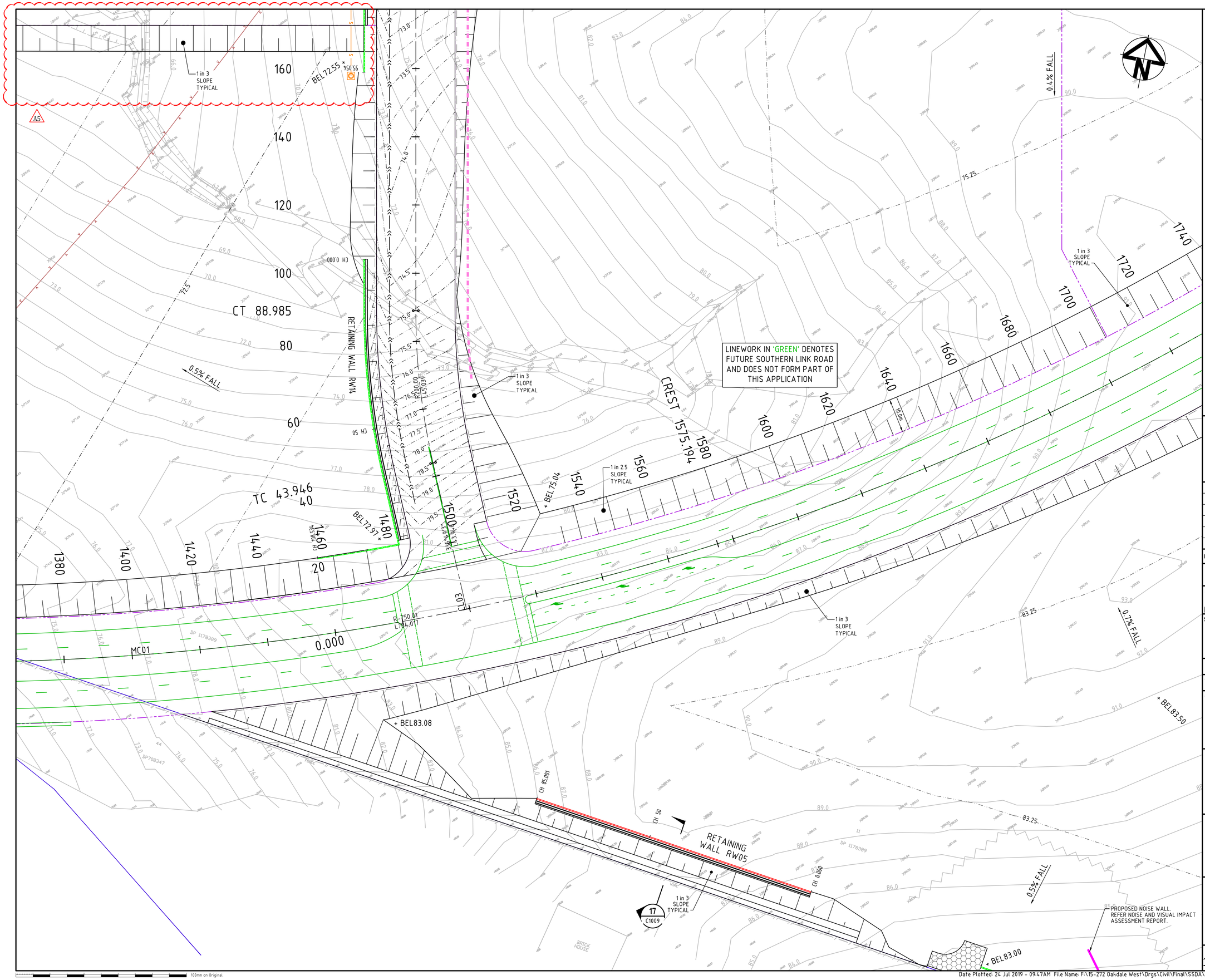
Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
EARTHWORKS AND STORMWATER DRAINAGE PLAN
SHEET 15 OF 20

Drawing No.	Project No.	Issue
15-272-C1029	15-272	A6

100mm on Original



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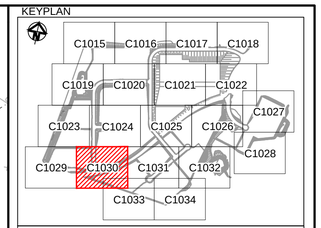

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- EXISTING CONTOUR (60.0)
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- PROPOSED CONTOUR (65.0)
- +BEL75.00 PROPOSED BULK EARTHWORKS LEVEL
- 375ϕ STORMWATER PIPE WITH SIZE
- KERB INLET PIT (REFER PCC DWG. SD2001 U.N.O.)
- SURFACE INLET PIT (REFER PCC DWG. SD2002 U.N.O)
- JUNCTION PIT (REFER PCC DWG. SD2002 U.N.O)
- HEADWALL
- 3\1 PROPOSED STORMWATER PIT NUMBER
- SWALE
- SUBSOIL
- PROPOSED RETAINING WALL - FILL
- PROPOSED RETAINING WALL - CUT
- PROPOSED NOISE WALL
- FUTURE RETAINING WALL
- S PROPOSED SEWER
- 3.0m WIDE ACCESS TRACK (LIGHT-DUTY PAVEMENT)
- RIP-RAP SCOUR PROTECTION ON GEOTEXTILE FABRIC
- ROCK FILLED RENO MATTRESS ON GEOTEXTILE FABRIC

Bar Scales

0 10 20 30 40

1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Scales	1 : 500	15-272-C1030.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

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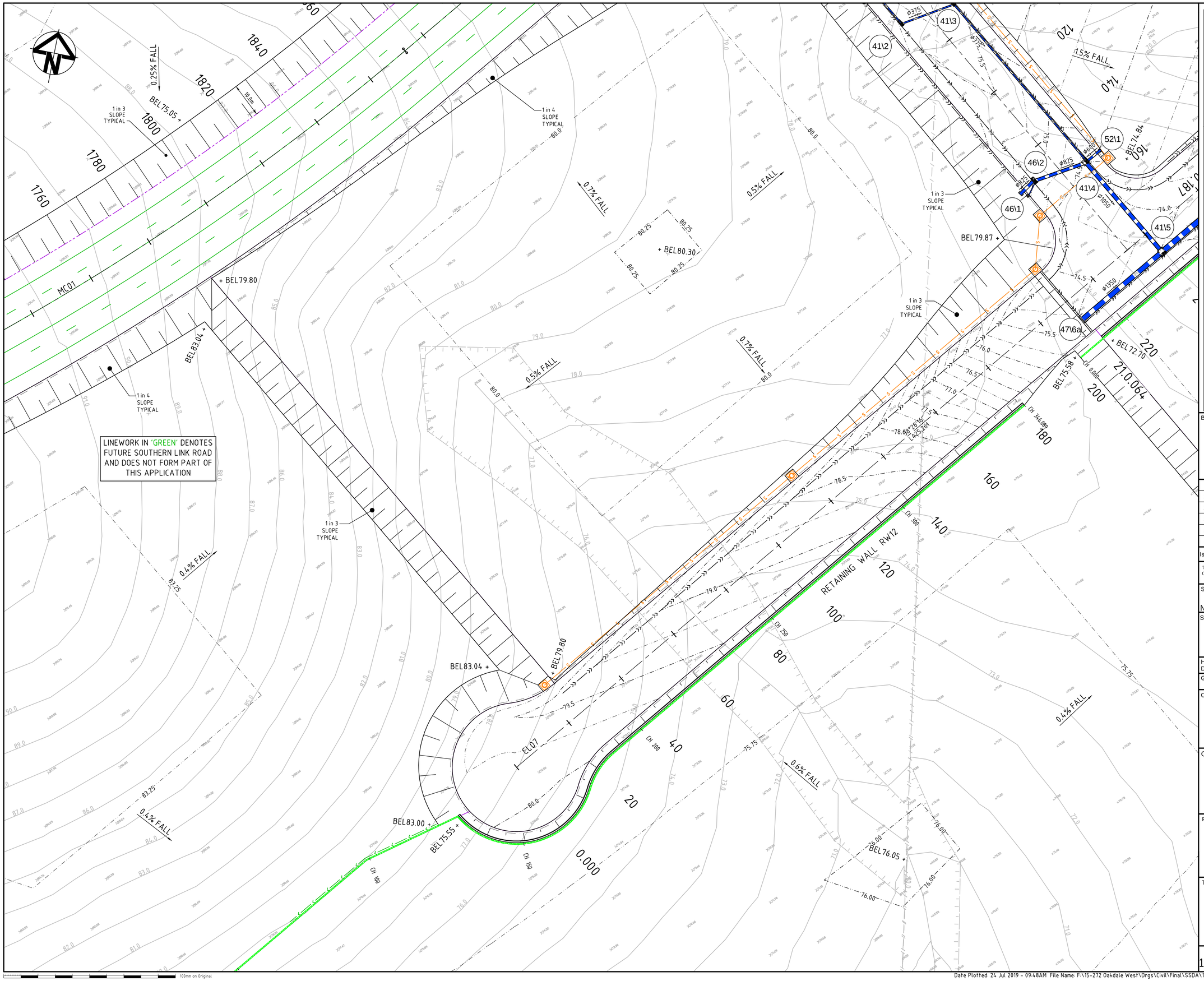
Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
EARTHWORKS AND STORMWATER DRAINAGE PLAN
SHEET 16 OF 20

Drawing No.	Project No.	Issue
15-272-C1030	15-272	A5

100mm on Original



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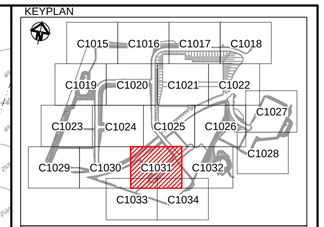

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- 60.0 EXISTING CONTOUR
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- 65.0 PROPOSED CONTOUR
- +BEL75.00 PROPOSED BULK EARTHWORKS LEVEL
- 375ϕ STORMWATER PIPE WITH SIZE
- KERB INLET PIT (REFER PCC DWG. SD2001 U.N.O.)
- SURFACE INLET PIT (REFER PCC DWG. SD2002 U.N.O)
- JUNCTION PIT (REFER PCC DWG. SD2002 U.N.O)
- HEADWALL
- 3\1 PROPOSED STORMWATER PIT NUMBER
- SWALE
- SUBSOIL
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Bar Scales

0 10 20 30 40

1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
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A1

Scales	1 : 500	15-272-C1031.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

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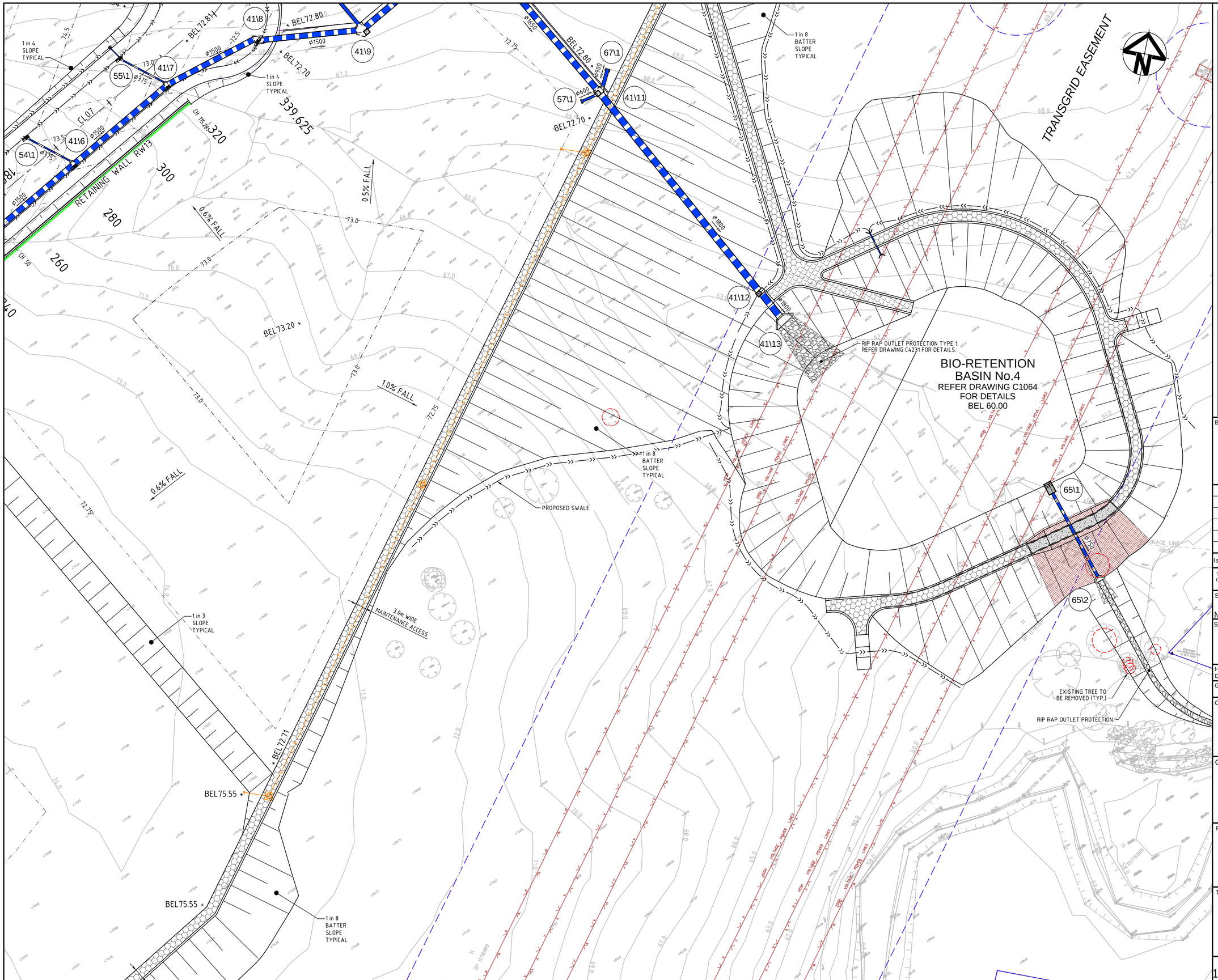
Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
EARTHWORKS AND STORMWATER DRAINAGE PLAN
SHEET 17 OF 20

Drawing No.	Project No.	Issue
15-272-C1031	15-272	A5



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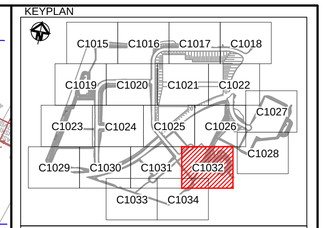

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- 60.0 EXISTING CONTOUR
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- 65.0 PROPOSED CONTOUR
- +BEL75.00 375ø PROPOSED BULK EARTHWORKS LEVEL
- STORMWATER PIPE WITH SIZE
- KERB INLET PIT (REFER PCC DWG. SD2001 U.N.O.)
- SURFACE INLET PIT (REFER PCC DWG. SD2002 U.N.O)
- JUNCTION PIT (REFER PCC DWG. SD2002 U.N.O)
- HEADWALL
- 3\1 PROPOSED STORMWATER PIT NUMBER
- SWALE
- SUBSOIL
- PROPOSED RETAINING WALL - FILL
- PROPOSED RETAINING WALL - CUT
- PROPOSED NOISE WALL
- FUTURE RETAINING WALL
- S PROPOSED SEWER
- 3.0m WIDE ACCESS TRACK (LIGHT-DUTY PAVEMENT)
- RIP-RAP SCOUR PROTECTION ON GEOTEXTILE FABRIC
- ROCK FILLED RENO MATTRESS ON GEOTEXTILE FABRIC

Bar Scales

0 10 20 30 40

1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
NOT TO BE USED FOR CONSTRUCTION — A1

Scales	1 : 500	15-272-C1032.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

Civil Engineers and Project Managers
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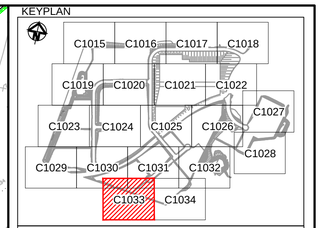
Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
EARTHWORKS AND STORMWATER DRAINAGE PLAN
SHEET 18 OF 20

Drawing No.	Project No.	Issue
15-272-C1032	15-272	A5

KEYPLAN



LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- 60.0 EXISTING CONTOUR
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- 65.0 PROPOSED CONTOUR
- +BEL75.00 PROPOSED BULK EARTHWORKS LEVEL
- 375ϕ STORMWATER PIPE WITH SIZE
- KERB INLET PIT (REFER PCC DWG. SD2001 U.N.O.)
- SURFACE INLET PIT (REFER PCC DWG. SD2002 U.N.O)
- JUNCTION PIT (REFER PCC DWG. SD2002 U.N.O)
- HEADWALL
- 3\1 PROPOSED STORMWATER PIT NUMBER
- SWALE
- SUBSOIL
- PROPOSED RETAINING WALL - FILL
- PROPOSED RETAINING WALL - CUT
- PROPOSED NOISE WALL
- FUTURE RETAINING WALL
- S PROPOSED SEWER
- 3.0m WIDE ACCESS TRACK (LIGHT-DUTY PAVEMENT)
- RIP-RAP SCOUR PROTECTION ON GEOTEXTILE FABRIC
- ROCK FILLED RENO MATTRESS ON GEOTEXTILE FABRIC

Bar Scales

0 10 20 30 40

1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Scales	1 : 500	15-272-C1033.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

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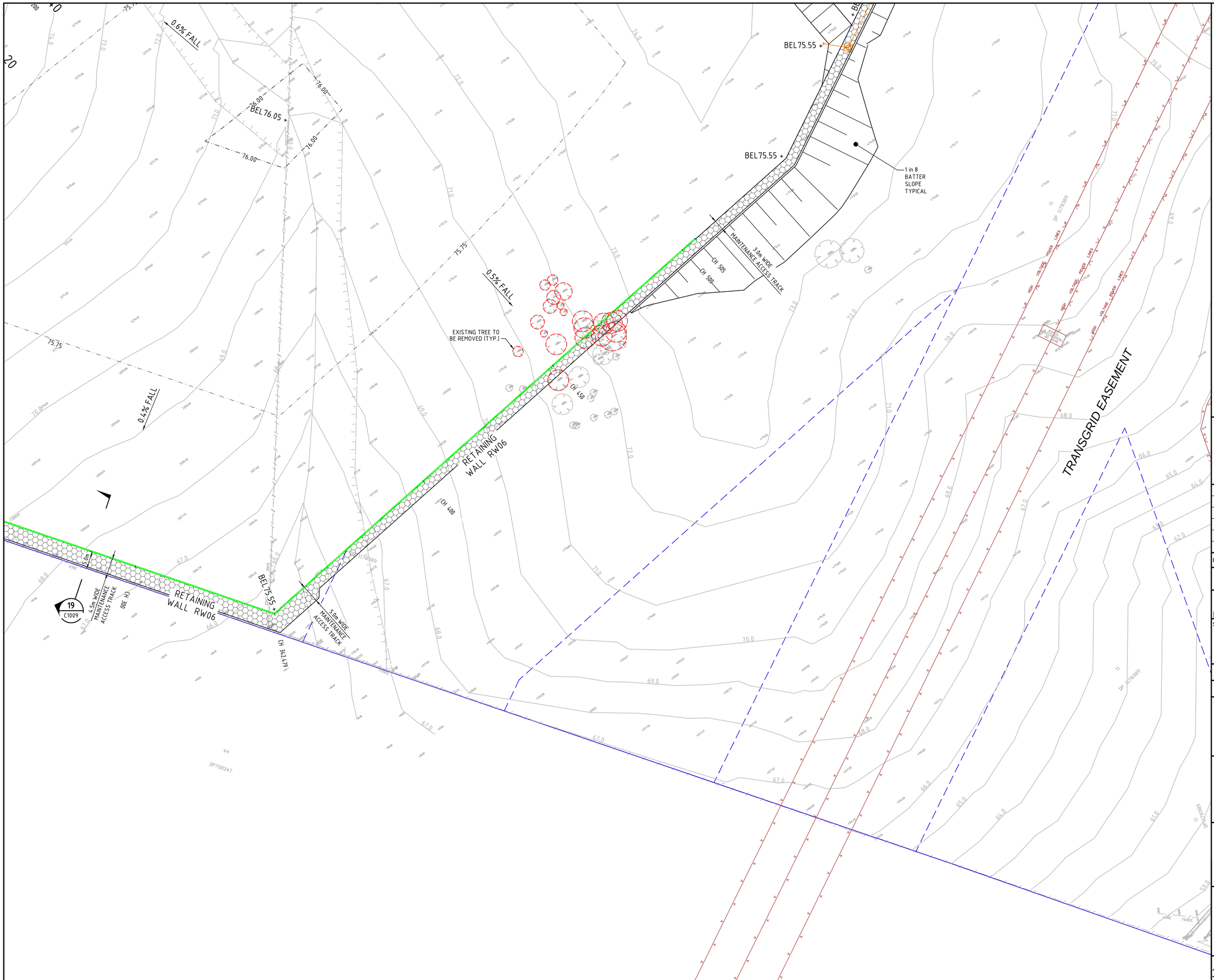
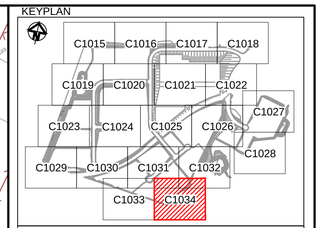
Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
EARTHWORKS AND STORMWATER DRAINAGE PLAN
SHEET 19 OF 20

Drawing No.	Project No.	Issue
15-272-C1033	15-272	A5



KEYPLAN



LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- 60.0 EXISTING CONTOUR
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- 65.0 PROPOSED CONTOUR
- +BEL75.00 PROPOSED BULK EARTHWORKS LEVEL
- 375ϕ STORMWATER PIPE WITH SIZE
- KERB INLET PIT (REFER PCC DWG. SD2001 U.N.O.)
- SURFACE INLET PIT (REFER PCC DWG. SD2002 U.N.O)
- JUNCTION PIT (REFER PCC DWG. SD2002 U.N.O)
- HEADWALL
- 3\1 PROPOSED STORMWATER PIT NUMBER
- SWALE
- SUBSOIL
- PROPOSED RETAINING WALL - FILL
- PROPOSED RETAINING WALL - CUT
- PROPOSED NOISE WALL
- FUTURE RETAINING WALL
- S PROPOSED SEWER
- 3.0m WIDE ACCESS TRACK (LIGHT-DUTY PAVEMENT)
- RIP-RAP SCOUR PROTECTION ON GEOTEXTILE FABRIC
- ROCK FILLED RENO MATTRESS ON GEOTEXTILE FABRIC

Bar Scales

0 10 20 30 40

1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL — NOT TO BE USED FOR CONSTRUCTION — A1

Scales	1 : 500	15-272-C1034.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

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Project: PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title: EARTHWORKS AND STORMWATER DRAINAGE PLAN SHEET 20 OF 20

Drawing No.	Project No.	Issue
15-272-C1034	15-272	A5

100mm on Original

CONTINUED ON SHEET 2

SERVICES LOT

LOT 4F & 4G

LOT 4C

ROAD No. 7

RETAINING WALL RW13

1 in4 BATTER SLOPE TYPICAL

1 in 4 BATTER SLOPE TYPICAL

VEHICULAR CROSSOVER IN ACCORDANCE WITH PENRITH CITY COUNCIL STANDARDS. LOCATION SUBJECT TO DETAILED DESIGN.

VEHICULAR CROSSOVER IN ACCORDANCE WITH PENRITH CITY COUNCIL STANDARDS. LOCATION SUBJECT TO DETAILED DESIGN.

41\6 41\7 41\8 41\9 41\10 55\1 56\1

Ø375 Ø1500 Ø1650 Ø900

R15.00m R12.00m

260 280 300 320 339.625

70.0 73.0

KEYPLAN

C1040 C1041 C1042 C1043 C1044 C1045 C1046 C1047 C1048 C1049

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- 60.0 EXISTING CONTOUR
- PROPOSED BOUNDARY
- 65.0 PROPOSED CONTOUR
- PROPOSED KERB AND GUTTER
- SWALE
- 375ø PROPOSED STORMWATER PIPE WITH SIZE
- PROPOSED KERB INLET PIT
- PROPOSED HEADWALL
- 375ø BOUNDARY CATCH DRAIN PIT AND PIPE SUBJECT TO DETAILED DESIGN
- 3\1 PROPOSED STORMWATER PIT NUMBER
- PROPOSED RETAINING WALL- FILL
- PROPOSED RETAINING WALL – CUT
- FUTURE RETAINING WALL NOT PART OF THIS APPROVAL
- PROPOSED GUARD RAIL
- PROPOSED FLEXIBLE ROAD PAVEMENT
- PROPOSED CONCRETE FOOTPATH
- 3.0m WIDE ACCESS TRACK (LIGHT-DUTY PAVEMENT)

Bar Scales

0 5 10 15 20

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Scales	1 : 250	15-272-C1040.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

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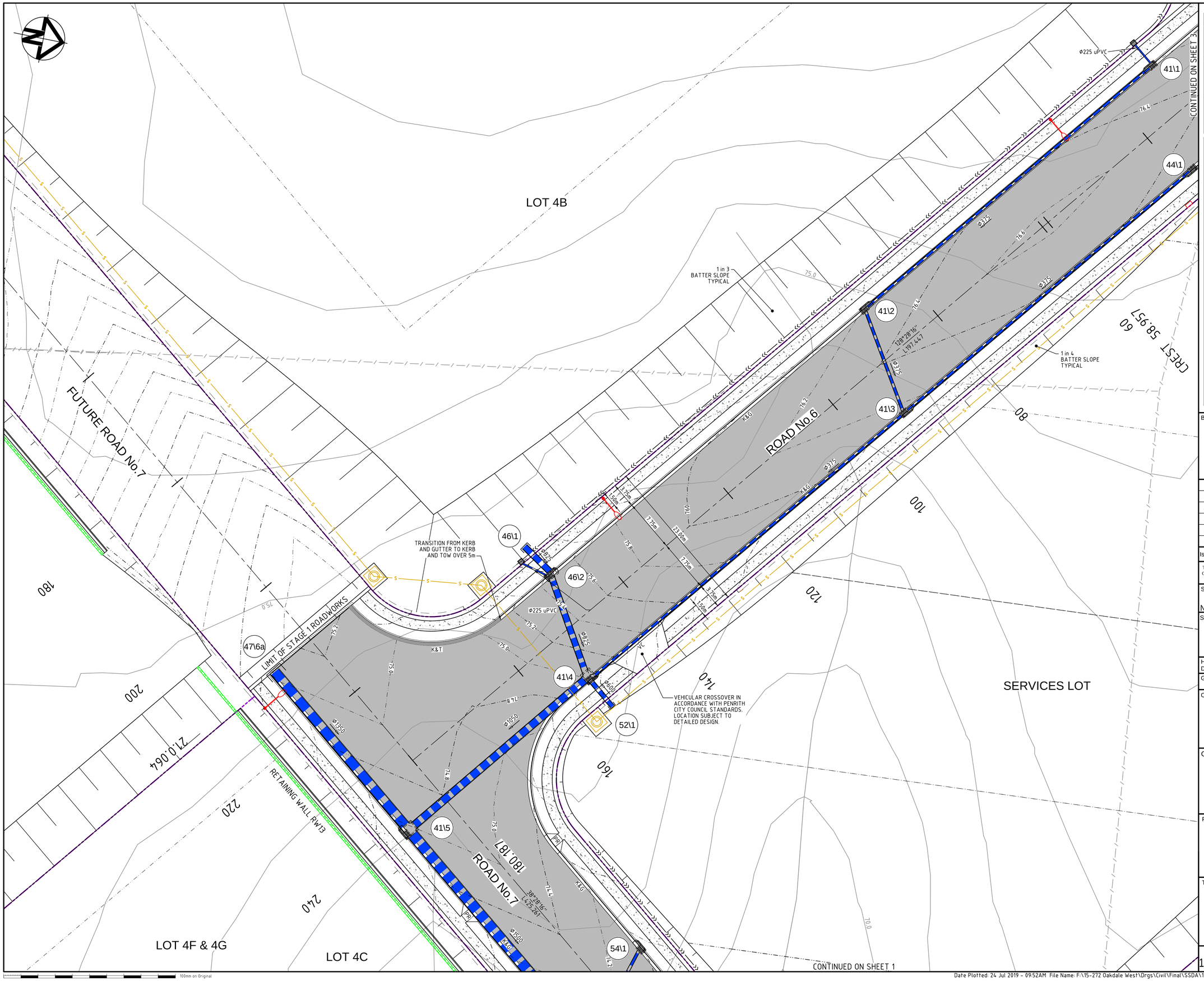
Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
ROADWORKS AND STORMWATER DRAINAGE PLAN
SHEET 1 OF 10

Drawing No.	Project No.	Issue
15-272-C1040	15-272	A5

100mm on Original



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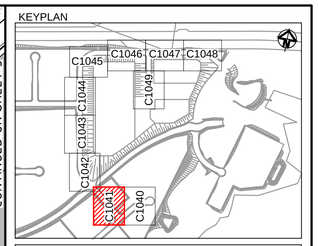

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- 60.0 EXISTING CONTOUR
- PROPOSED BOUNDARY
- 65.0 PROPOSED CONTOUR
- PROPOSED KERB AND GUTTER
- SWALE
- 375ø PROPOSED STORMWATER PIPE WITH SIZE
- PROPOSED KERB INLET PIT
- PROPOSED HEADWALL
- 375ø BOUNDARY CATCH DRAIN PIT AND PIPE SUBJECT TO DETAILED DESIGN
- 3\1 PROPOSED STORMWATER PIT NUMBER
- PROPOSED RETAINING WALL- FILL
- PROPOSED RETAINING WALL – CUT
- FUTURE RETAINING WALL NOT PART OF THIS APPROVAL
- PROPOSED GUARD RAIL
- PROPOSED FLEXIBLE ROAD PAVEMENT
- PROPOSED CONCRETE FOOTPATH
- 3.0m WIDE ACCESS TRACK (LIGHT-DUTY PAVEMENT)

Bar Scales

0 5 10 15 20

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Scales	1 : 250	15-272-C1041.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

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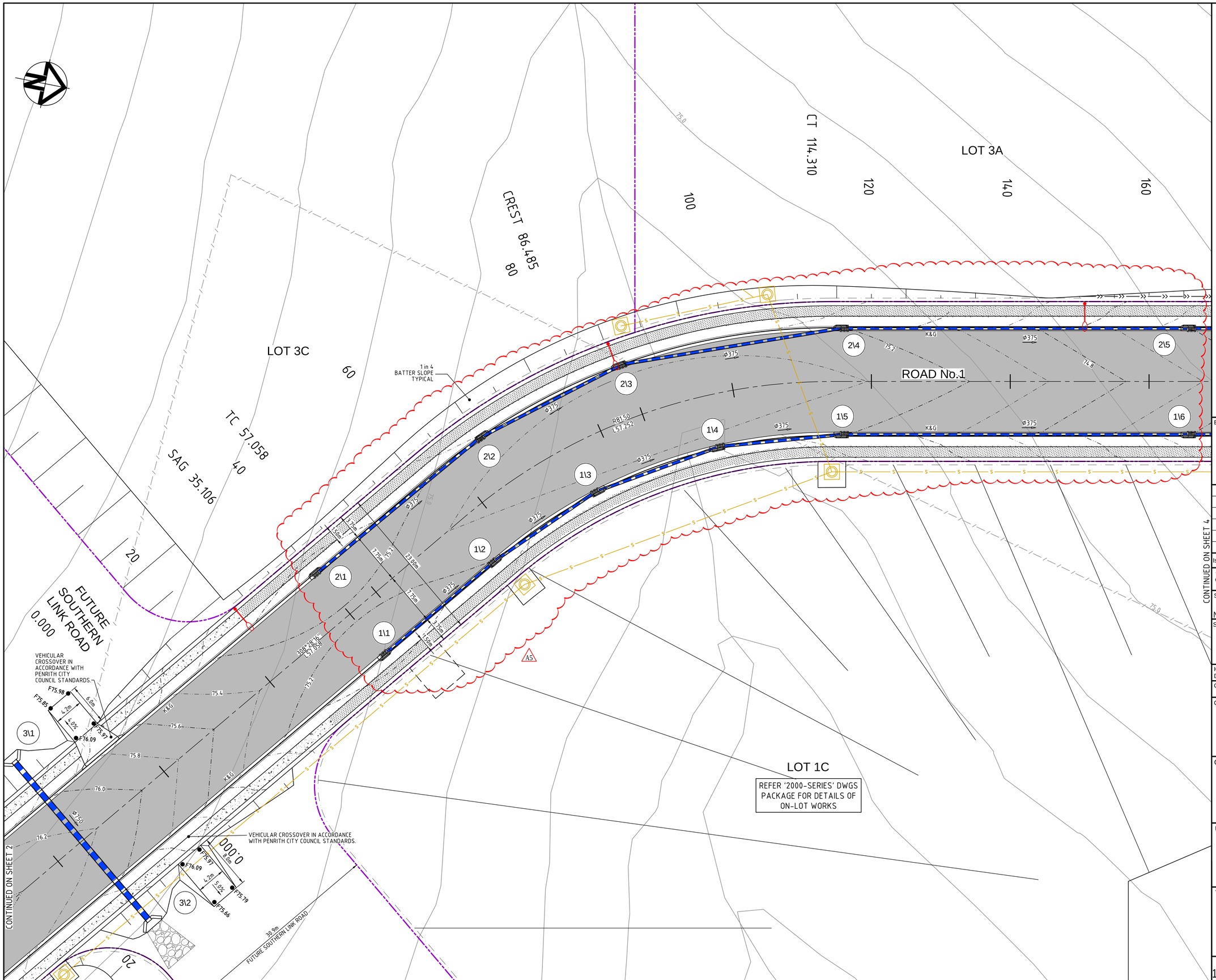
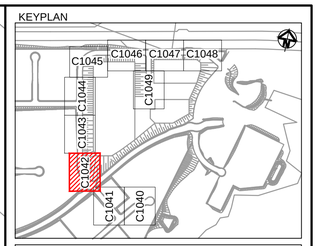
Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
ROADWORKS AND STORMWATER DRAINAGE PLAN
SHEET 2 OF 10

Drawing No.	Project No.	Issue
15-272-C1041	15-272	A5



KEYPLAN



LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- 60.0 EXISTING CONTOUR
- PROPOSED BOUNDARY
- 65.0 PROPOSED CONTOUR
- PROPOSED KERB AND GUTTER
- SWALE
- 375ø PROPOSED STORMWATER PIPE WITH SIZE
- PROPOSED KERB INLET PIT
- PROPOSED HEADWALL
- 375ø BOUNDARY CATCH DRAIN PIT AND PIPE SUBJECT TO DETAILED DESIGN
- 3\1 PROPOSED STORMWATER PIT NUMBER
- PROPOSED RETAINING WALL- FILL
- PROPOSED RETAINING WALL - CUT
- FUTURE RETAINING WALL NOT PART OF THIS APPROVAL
- PROPOSED GUARD RAIL
- PROPOSED FLEXIBLE ROAD PAVEMENT
- PROPOSED CONCRETE FOOTPATH
- 3.0m WIDE ACCESS TRACK (LIGHT-DUTY PAVEMENT)

Bar Scales

0 5 10 15 20

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
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Scales	1 : 250	15-272-C1042.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

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Project: PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title: ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 3 OF 10

Drawing No.	Project No.	Issue
15-272-C1042	15-272	A5

LOT 3A

ROAD No.1

LOT 1C

REFER '2000-SERIES' DWGS PACKAGE FOR DETAILS OF ON-LOT WORKS

CONTINUED ON SHEET 3

CONTINUED ON SHEET 5

1 in 3 BATTER SLOPE TYPICAL

180 200 220 240 260 280 300 320 340

2\6 2\7 2\8

1\7 1\8 1\9

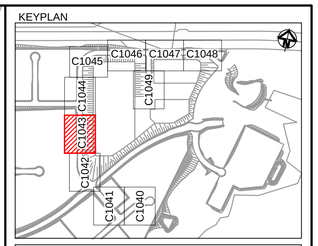
4\1

Ø375 Ø750 Ø825 Ø450 K&G

23.00m 7.75m 3.75m 1.50m

34.8° 43'12" L 438.008

KEYPLAN



LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- EXISTING CONTOUR (60.0)
- PROPOSED BOUNDARY
- PROPOSED CONTOUR (65.0)
- PROPOSED KERB AND GUTTER
- SWALE
- PROPOSED STORMWATER PIPE WITH SIZE (375ø)
- PROPOSED KERB INLET PIT
- PROPOSED HEADWALL
- BOUNDARY CATCH DRAIN PIT AND PIPE SUBJECT TO DETAILED DESIGN (375ø)
- PROPOSED STORMWATER PIT NUMBER (3\1)
- PROPOSED RETAINING WALL- FILL
- PROPOSED RETAINING WALL - CUT
- FUTURE RETAINING WALL NOT PART OF THIS APPROVAL
- PROPOSED GUARD RAIL
- PROPOSED FLEXIBLE ROAD PAVEMENT
- PROPOSED CONCRETE FOOTPATH
- 3.0m WIDE ACCESS TRACK (LIGHT-DUTY PAVEMENT)

Bar Scales

0 5 10 15 20

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Scales	1 : 250	15-272-C1043.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

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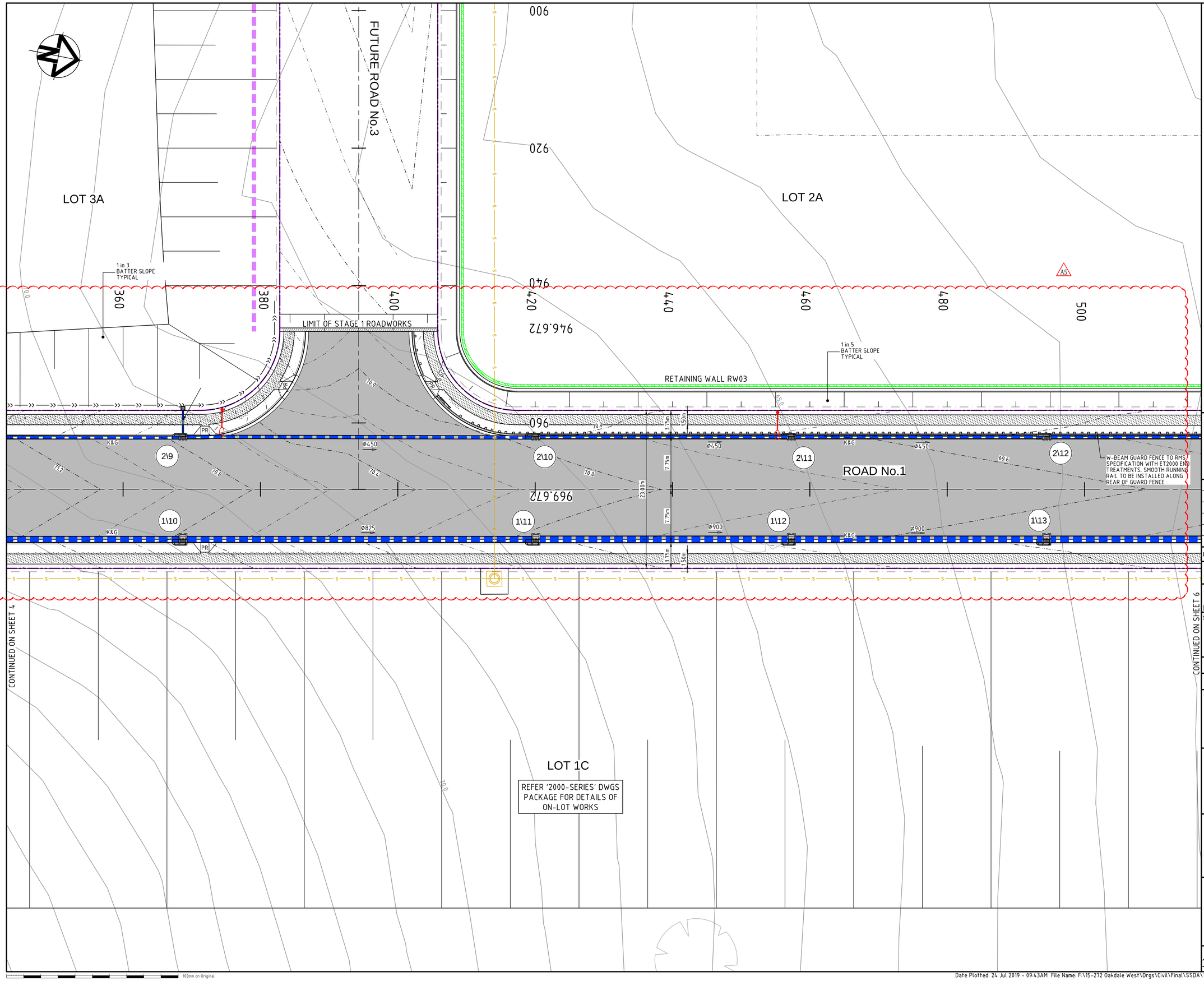
Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
ROADWORKS AND STORMWATER DRAINAGE PLAN
SHEET 4 OF 10

Drawing No.	Project No.	Issue
15-272-C1043	15-272	A5

100mm on Original



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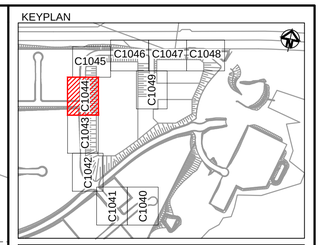

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- 60.0 EXISTING CONTOUR
- PROPOSED BOUNDARY
- 65.0 PROPOSED CONTOUR
- PROPOSED KERB AND GUTTER
- SWALE
- 375ø PROPOSED STORMWATER PIPE WITH SIZE
- PROPOSED KERB INLET PIT
- PROPOSED HEADWALL
- 375ø BOUNDARY CATCH DRAIN PIT AND PIPE SUBJECT TO DETAILED DESIGN
- 3\1 PROPOSED STORMWATER PIT NUMBER
- PROPOSED RETAINING WALL- FILL
- PROPOSED RETAINING WALL - CUT
- FUTURE RETAINING WALL NOT PART OF THIS APPROVAL
- PROPOSED GUARD RAIL
- PROPOSED FLEXIBLE ROAD PAVEMENT
- PROPOSED CONCRETE FOOTPATH
- 3.0m WIDE ACCESS TRACK (LIGHT-DUTY PAVEMENT)

Bar Scales

0 5 10 15 20

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
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A1

Scales	1 : 250	15-272-C1044.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

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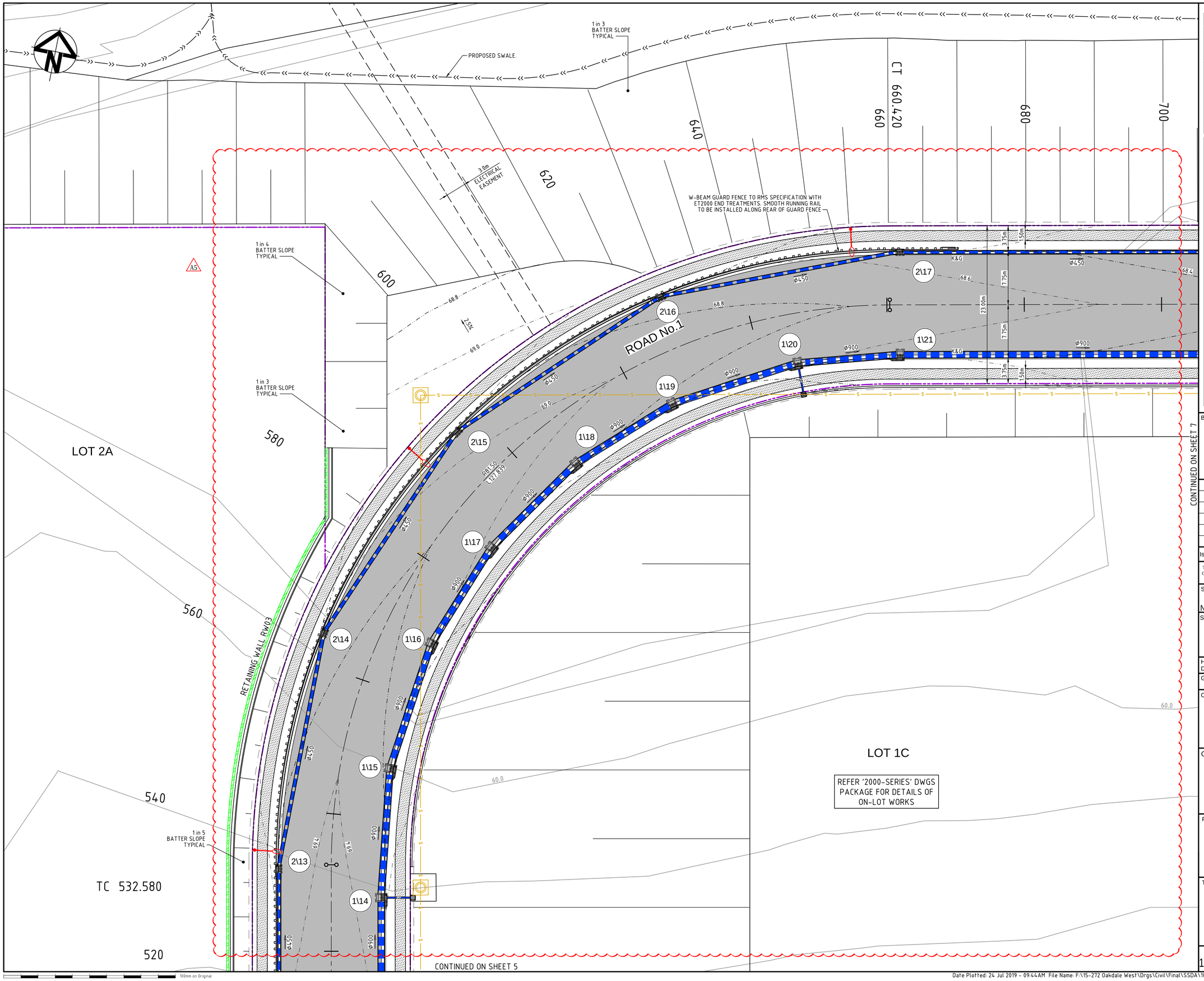
Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
ROADWORKS AND STORMWATER DRAINAGE PLAN
SHEET 5 OF 10

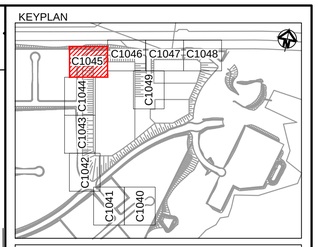
Drawing No.	Project No.	Issue
15-272-C1044	15-272	A5

100mm on Original

Date Plotted: 24 Jul 2019 - 09:43AM File Name: F:\15-272 Oakdale West\Drgs\Civil\Final\SSDA\1000_MOD 1_Infrastructure Package\15-272-C1044.dwg V1



KEYPLAN



LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- 60.0 EXISTING CONTOUR
- PROPOSED BOUNDARY
- 65.0 PROPOSED CONTOUR
- PROPOSED KERB AND GUTTER
- SWALE
- 375ø PROPOSED STORMWATER PIPE WITH SIZE
- PROPOSED KERB INLET PIT
- PROPOSED HEADWALL
- 375ø BOUNDARY CATCH DRAIN PIT AND PIPE SUBJECT TO DETAILED DESIGN
- 3\1 PROPOSED STORMWATER PIT NUMBER
- PROPOSED RETAINING WALL- FILL
- PROPOSED RETAINING WALL - CUT
- FUTURE RETAINING WALL NOT PART OF THIS APPROVAL
- PROPOSED GUARD RAIL
- PROPOSED FLEXIBLE ROAD PAVEMENT
- PROPOSED CONCRETE FOOTPATH
- 3.0m WIDE ACCESS TRACK (LIGHT-DUTY PAVEMENT)

Bar Scales

0 5 10 15 20

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL — NOT TO BE USED FOR CONSTRUCTION — A1

Scales	1 : 250	15-272-C1045.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

Civil Engineers and Project Managers
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Tel: 02 9439 1777
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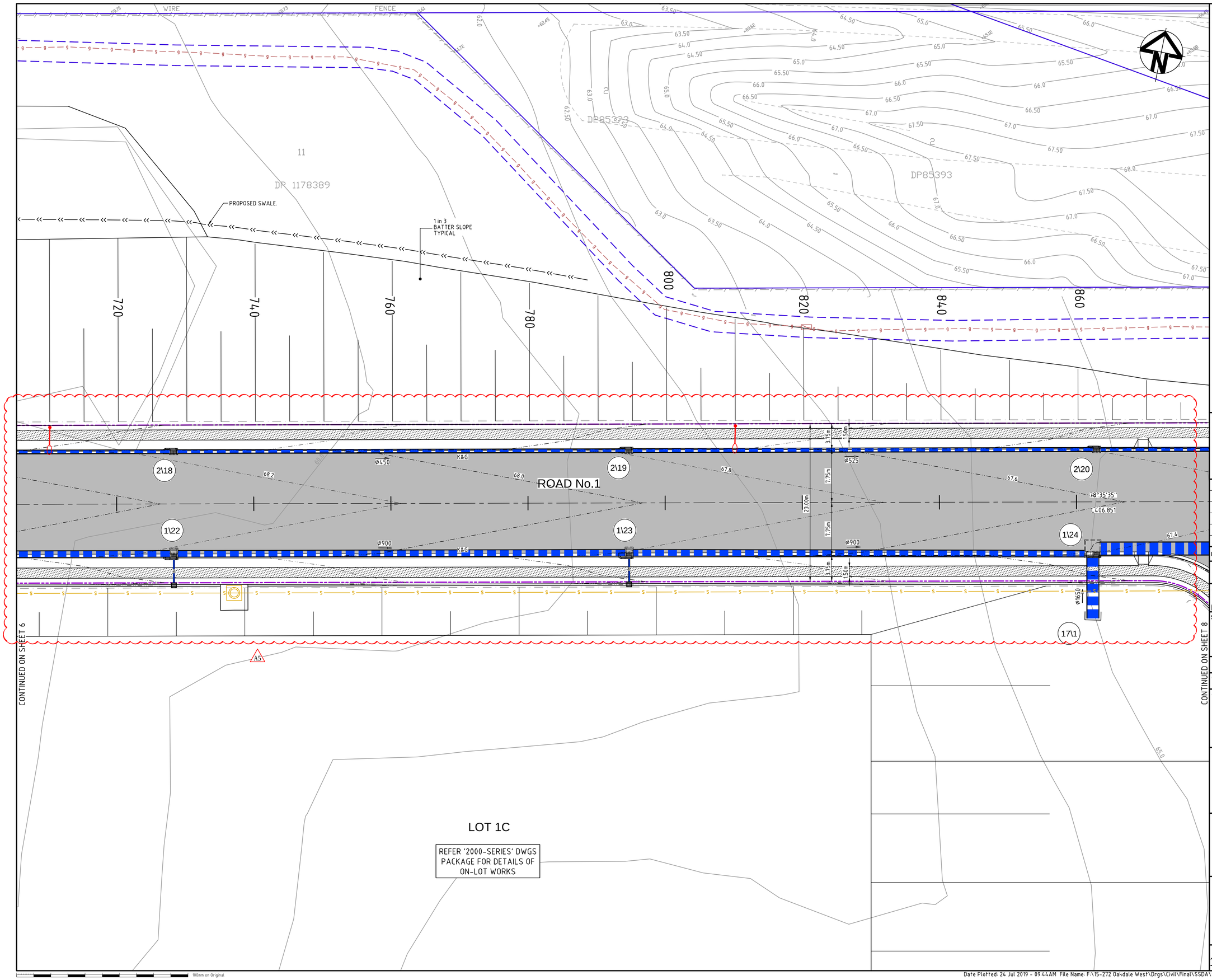
Project: PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title: ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 6 OF 10

Drawing No.	Project No.	Issue
15-272-C1045	15-272	A5



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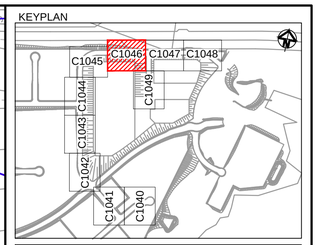

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- 60.0 EXISTING CONTOUR
- PROPOSED BOUNDARY
- 65.0 PROPOSED CONTOUR
- PROPOSED KERB AND GUTTER
- SWALE
- 375ϕ PROPOSED STORMWATER PIPE WITH SIZE
- PROPOSED KERB INLET PIT
- PROPOSED HEADWALL
- 375ϕ BOUNDARY CATCH DRAIN PIT AND PIPE SUBJECT TO DETAILED DESIGN
- 3\1 PROPOSED STORMWATER PIT NUMBER
- PROPOSED RETAINING WALL- FILL
- PROPOSED RETAINING WALL – CUT
- FUTURE RETAINING WALL NOT PART OF THIS APPROVAL
- PROPOSED GUARD RAIL
- PROPOSED FLEXIBLE ROAD PAVEMENT
- PROPOSED CONCRETE FOOTPATH
- 3.0m WIDE ACCESS TRACK (LIGHT-DUTY PAVEMENT)

Bar Scales

0 5 10 15 20

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
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A1

Scales	1 : 250	15-272-C1046.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

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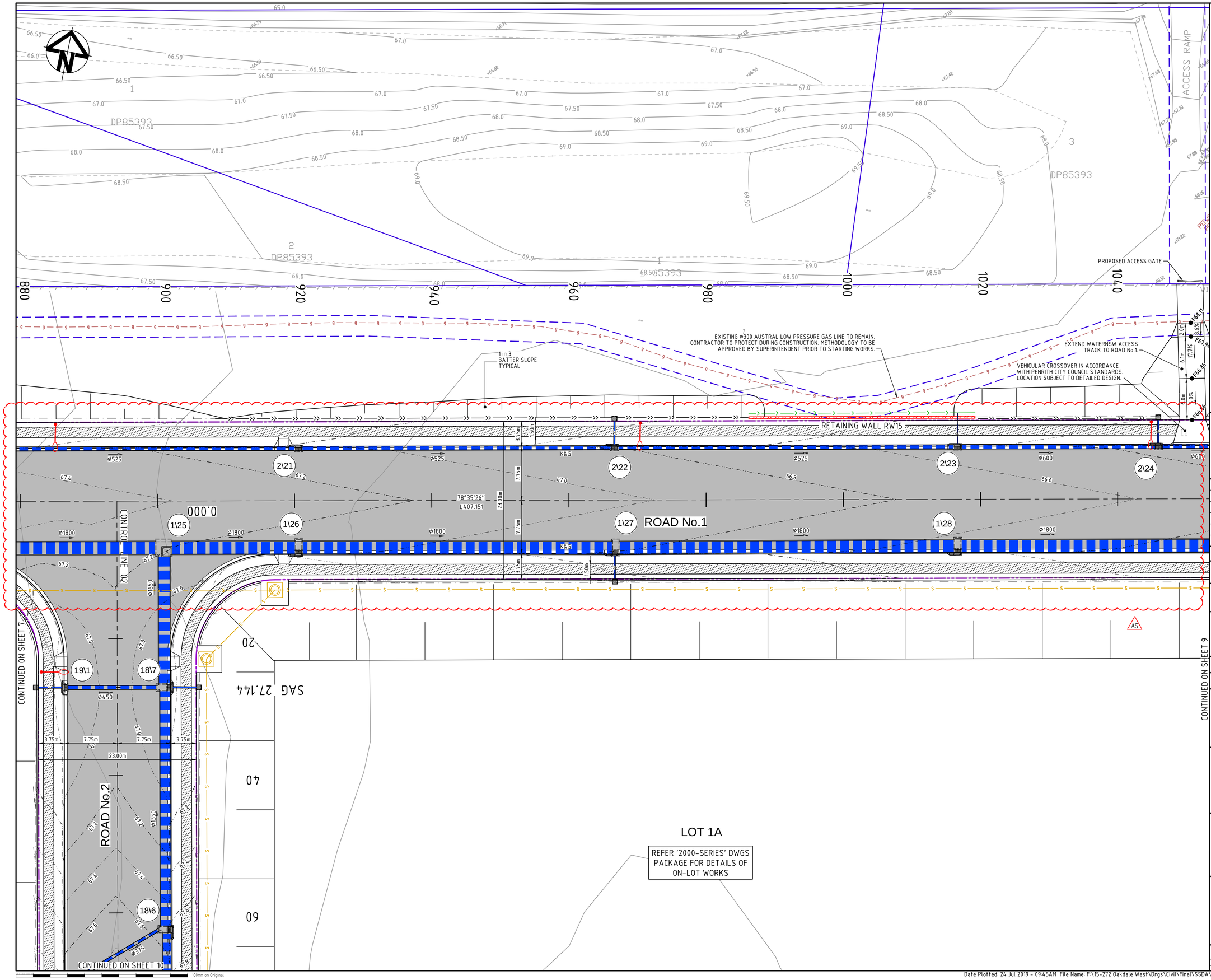
info@atl.net.au

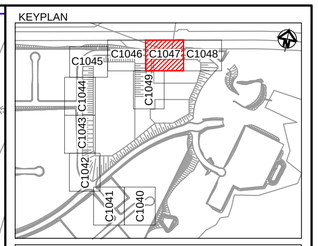
Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
ROADWORKS AND STORMWATER DRAINAGE PLAN
SHEET 7 OF 10

Drawing No.	Project No.	Issue
15-272-C1046	15-272	A5



KEYPLAN



LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- 60.0 EXISTING CONTOUR
- PROPOSED BOUNDARY
- 65.0 PROPOSED CONTOUR
- PROPOSED KERB AND GUTTER
- SWALE
- 375ø PROPOSED STORMWATER PIPE WITH SIZE
- PROPOSED KERB INLET PIT
- PROPOSED HEADWALL
- 375ø BOUNDARY CATCH DRAIN PIT AND PIPE SUBJECT TO DETAILED DESIGN
- 3\1 PROPOSED STORMWATER PIT NUMBER
- PROPOSED RETAINING WALL- FILL
- PROPOSED RETAINING WALL - CUT
- FUTURE RETAINING WALL NOT PART OF THIS APPROVAL
- PROPOSED GUARD RAIL
- PROPOSED FLEXIBLE ROAD PAVEMENT
- PROPOSED CONCRETE FOOTPATH
- 3.0m WIDE ACCESS TRACK (LIGHT-DUTY PAVEMENT)

Bar Scales

0 5 10 15 20

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
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A1

Scales	1 : 250	15-272-C1047.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

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Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
ROADWORKS AND STORMWATER DRAINAGE PLAN
SHEET 8 OF 10

Drawing No.	Project No.	Issue
15-272-C1047	15-272	A5

DIRT TRACK

DIRT TRACK

POWER POLE

TC 1067.271

1090

1080

FENCE

1100

WIRE

1120

FENCE

1140

1160

1181.432

1 in 3 BATTER SLOPE TYPICAL

A4

DP 1178389

AMENITIES LOT

2\25

2\26

2\27

2\28

1\29

1\30

1\31

1\32

1\33

28\1

ø600

ø1800

K&G

ROAD No.1

R720.00

L148.362

VEHICULAR CROSSOVER IN ACCORDANCE WITH PENRITH CITY COUNCIL STANDARDS. LOCATION SUBJECT TO DETAILED DESIGN.

VEHICULAR CROSSOVER IN ACCORDANCE WITH PENRITH CITY COUNCIL STANDARDS. LOCATION SUBJECT TO DETAILED DESIGN.

LIMIT OF STAGE 1 ROADWORKS

CONTINUED ON SHEET 8

LOT 1A

REFER '2000-SERIES' DWGS PACKAGE FOR DETAILS OF ON-LOT WORKS

WESTERN NORTH-SOUTH LINK RD DOCUMENTED IN '3000 SERIES NORTH-SOUTH LINK RD PACKAGE'

23.00m

7.75m

3.75m

1.50m

66.4

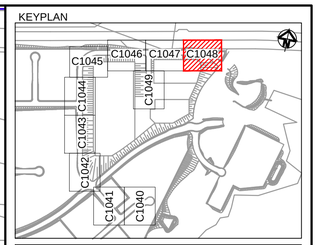
66.2

66.0

65.8

65.0

KEYPLAN



LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- 60.0 EXISTING CONTOUR
- PROPOSED BOUNDARY
- 65.0 PROPOSED CONTOUR
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- 3.0m WIDE ACCESS TRACK (LIGHT-DUTY PAVEMENT)

Bar Scales

0 5 10 15 20

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
A4	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A3	ISSUED FOR INFORMATION MOD 1	07-06-19
A2	ISSUED FOR SSD APPROVAL	21-09-18
A1	ISSUED FOR SSD APPROVAL	04-05-18

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Status: MOD 1 APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Scales	1 : 250	15-272-C1048.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

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info@atl.net.au

Project: PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title: ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 9 OF 10

Drawing No.	Project No.	Issue
15-272-C1048	15-272	A4

100mm on Original

Date Plotted: 24 Jul 2019 - 09:46AM File Name: F:\15-272 Oakdale West\Drgs\Civil\Final\SSDA\1000_MOD 1_Infrastructure Package\15-272-C1048.dwg V1

LOT 1C

REFER '2000-SERIES' DWGS PACKAGE FOR DETAILS OF ON-LOT WORKS

ROAD No.2

VEHICULAR CROSSOVER IN ACCORDANCE WITH PENRITH CITY COUNCIL STANDARDS. LOCATION SUBJECT TO DETAILED DESIGN.

VEHICULAR CROSSOVER IN ACCORDANCE WITH PENRITH CITY COUNCIL STANDARDS. LOCATION SUBJECT TO DETAILED DESIGN.

VEHICULAR CROSSOVER IN ACCORDANCE WITH PENRITH CITY COUNCIL STANDARDS. LOCATION SUBJECT TO DETAILED DESIGN.

VEHICULAR CROSSOVER IN ACCORDANCE WITH PENRITH CITY COUNCIL STANDARDS. LOCATION SUBJECT TO DETAILED DESIGN.

18\1 18\2 18\3 18\4 18\5 22\1 21\1 20\1 31\1 30\1

Ø675 Ø375 Ø900 Ø1350 Ø750

68.8 68.6 68.4 68.2 68.0 67.8 67.6 67.4 67.2 67.0 66.8 66.6 66.4 66.2 66.0 65.8 65.6 65.4 65.2 65.0 64.8 64.6 64.4 64.2 64.0 63.8 63.6 63.4 63.2 63.0 62.8 62.6 62.4 62.2 62.0 61.8 61.6 61.4 61.2 61.0 60.8 60.6 60.4 60.2 60.0 59.8 59.6 59.4 59.2 59.0 58.8 58.6 58.4 58.2 58.0 57.8 57.6 57.4 57.2 57.0 56.8 56.6 56.4 56.2 56.0 55.8 55.6 55.4 55.2 55.0 54.8 54.6 54.4 54.2 54.0 53.8 53.6 53.4 53.2 53.0 52.8 52.6 52.4 52.2 52.0 51.8 51.6 51.4 51.2 51.0 50.8 50.6 50.4 50.2 50.0 49.8 49.6 49.4 49.2 49.0 48.8 48.6 48.4 48.2 48.0 47.8 47.6 47.4 47.2 47.0 46.8 46.6 46.4 46.2 46.0 45.8 45.6 45.4 45.2 45.0 44.8 44.6 44.4 44.2 44.0 43.8 43.6 43.4 43.2 43.0 42.8 42.6 42.4 42.2 42.0 41.8 41.6 41.4 41.2 41.0 40.8 40.6 40.4 40.2 40.0 39.8 39.6 39.4 39.2 39.0 38.8 38.6 38.4 38.2 38.0 37.8 37.6 37.4 37.2 37.0 36.8 36.6 36.4 36.2 36.0 35.8 35.6 35.4 35.2 35.0 34.8 34.6 34.4 34.2 34.0 33.8 33.6 33.4 33.2 33.0 32.8 32.6 32.4 32.2 32.0 31.8 31.6 31.4 31.2 31.0 30.8 30.6 30.4 30.2 30.0 29.8 29.6 29.4 29.2 29.0 28.8 28.6 28.4 28.2 28.0 27.8 27.6 27.4 27.2 27.0 26.8 26.6 26.4 26.2 26.0 25.8 25.6 25.4 25.2 25.0 24.8 24.6 24.4 24.2 24.0 23.8 23.6 23.4 23.2 23.0 22.8 22.6 22.4 22.2 22.0 21.8 21.6 21.4 21.2 21.0 20.8 20.6 20.4 20.2 20.0 19.8 19.6 19.4 19.2 19.0 18.8 18.6 18.4 18.2 18.0 17.8 17.6 17.4 17.2 17.0 16.8 16.6 16.4 16.2 16.0 15.8 15.6 15.4 15.2 15.0 14.8 14.6 14.4 14.2 14.0 13.8 13.6 13.4 13.2 13.0 12.8 12.6 12.4 12.2 12.0 11.8 11.6 11.4 11.2 11.0 10.8 10.6 10.4 10.2 10.0 9.8 9.6 9.4 9.2 9.0 8.8 8.6 8.4 8.2 8.0 7.8 7.6 7.4 7.2 7.0 6.8 6.6 6.4 6.2 6.0 5.8 5.6 5.4 5.2 5.0 4.8 4.6 4.4 4.2 4.0 3.8 3.6 3.4 3.2 3.0 2.8 2.6 2.4 2.2 2.0 1.8 1.6 1.4 1.2 1.0 0.8 0.6 0.4 0.2 0.0

3.75m 7.75m 23.00m 7.75m 3.75m

115.0m

206.994 200 180 160 140 120 100 80

LOT 1B

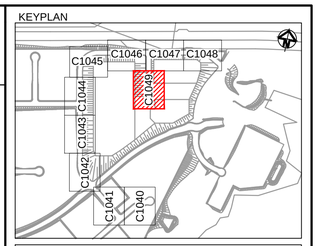
REFER '2000-SERIES' DWGS PACKAGE FOR DETAILS OF ON-LOT WORKS

LOT 1A

REFER '2000-SERIES' DWGS PACKAGE FOR DETAILS OF ON-LOT WORKS

CONTINUED ON SHEET 8

KEYPLAN



LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- 60.0 EXISTING CONTOUR
- PROPOSED BOUNDARY
- 65.0 PROPOSED CONTOUR
- PROPOSED KERB AND GUTTER
- SWALE
- 375ø PROPOSED STORMWATER PIPE WITH SIZE
- PROPOSED KERB INLET PIT
- PROPOSED HEADWALL
- 375ø BOUNDARY CATCH DRAIN PIT AND PIPE SUBJECT TO DETAILED DESIGN
- 3\1 PROPOSED STORMWATER PIT NUMBER
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- PROPOSED GUARD RAIL
- PROPOSED FLEXIBLE ROAD PAVEMENT
- PROPOSED CONCRETE FOOTPATH
- 3.0m WIDE ACCESS TRACK (LIGHT-DUTY PAVEMENT)

Bar Scales

0 5 10 15 20

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
A4	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A3	ISSUED FOR INFORMATION MOD 1	07-06-19
A2	ISSUED FOR SSD APPROVAL	21-09-18
A1	ISSUED FOR SSD APPROVAL	04-05-18

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Status: MOD 1 APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Scales	1 : 250	15-272-C1049.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

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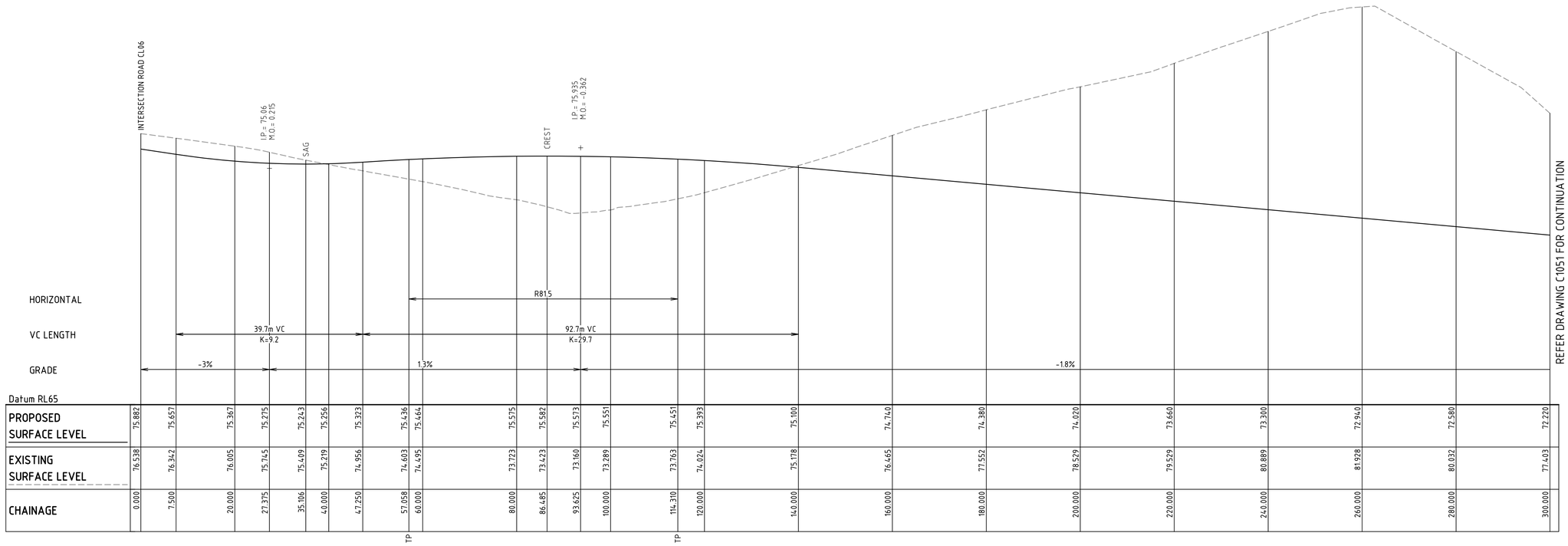
Project: PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title: ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 10 OF 10

Drawing No.	Project No.	Issue
15-272-C1049	15-272	A4

100mm on Original



ROAD 01 (CL01) LONGITUDINAL SECTION

SCALE 1:500 HORI.
1:100 VERT.

Bar Scales

0 2 4 6 8
1 : 100 @ A1 1 : 200 @ A3

0 10 20 30 40
1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Scales	1 : 100 V 1 : 500 H	15-272-C1050.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

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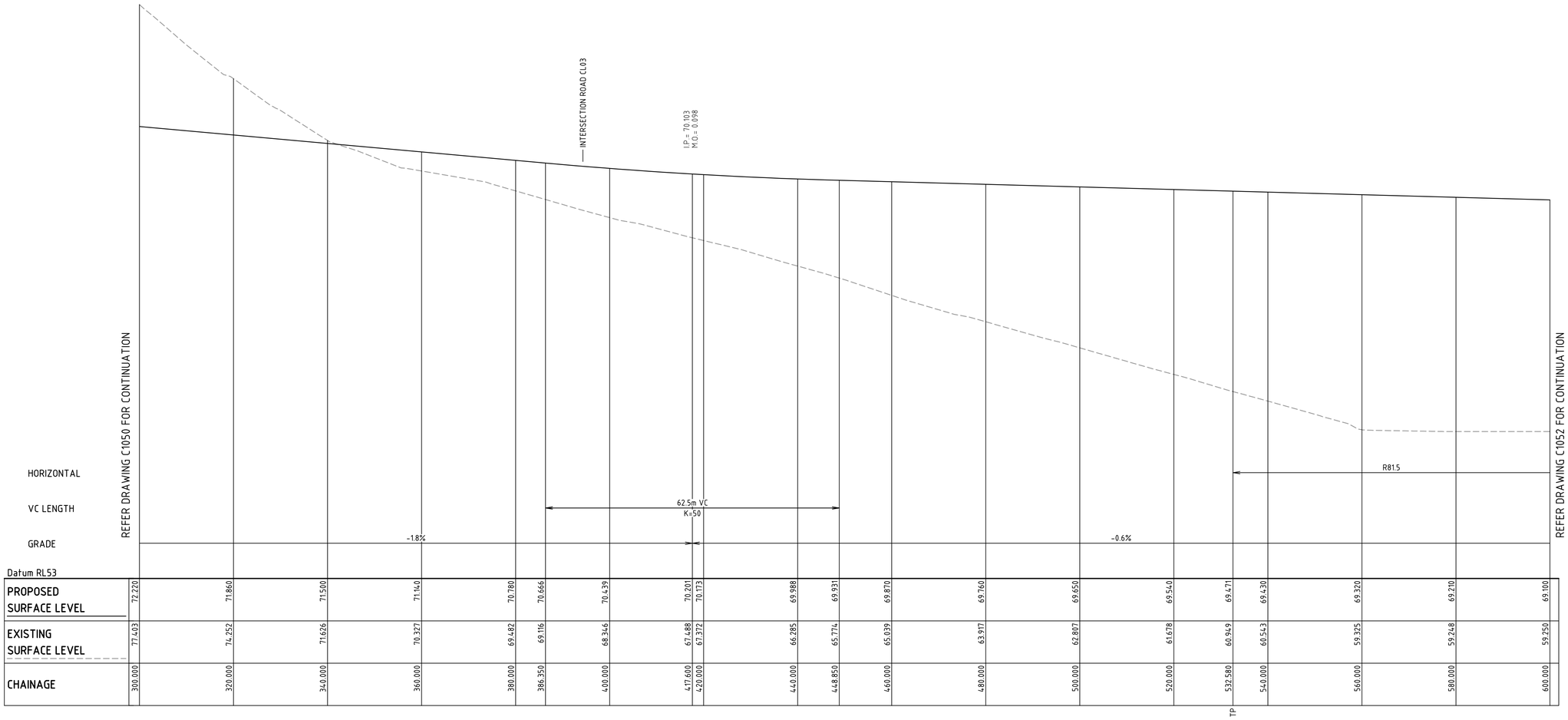
Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
ROAD LONGITUDINAL SECTIONS
SHEET 1 OF 5

Drawing No.	Project No.	Issue
15-272-C1050	15-272	A5



REFER DRAWING C1050 FOR CONTINUATION

REFER DRAWING C1052 FOR CONTINUATION

Datum RL53

HORIZONTAL																		
VC LENGTH																		
GRADE																		
PROPOSED SURFACE LEVEL	72.220	71.860	71.500	71.140	70.780	70.666	70.439	70.201	70.173	69.988	69.931	69.870	69.760	69.650	69.540	69.471	69.430	69.320	69.210	69.100
EXISTING SURFACE LEVEL	77.403	74.252	71.626	70.327	69.482	69.116	68.346	67.488	67.372	66.285	65.774	65.039	63.917	62.807	61.678	60.749	60.543	59.325	59.248	59.250
CHAINAGE	300.000	320.000	340.000	360.000	380.000	386.350	400.000	417.600	420.000	440.000	448.850	460.000	480.000	500.000	520.000	532.580	540.000	560.000	580.000	600.000

ROAD 01 (CL01) LONGITUDINAL SECTION

SCALE 1:500 HORI.
1:100 VERT.

Bar Scales

0 2 4 6 8
1 : 100 @ A1 1 : 200 @ A3

0 10 20 30 40
1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
NOT TO BE USED FOR CONSTRUCTION — A1

Scales	1 : 100 V 1 : 500 H	15-272-C1051.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

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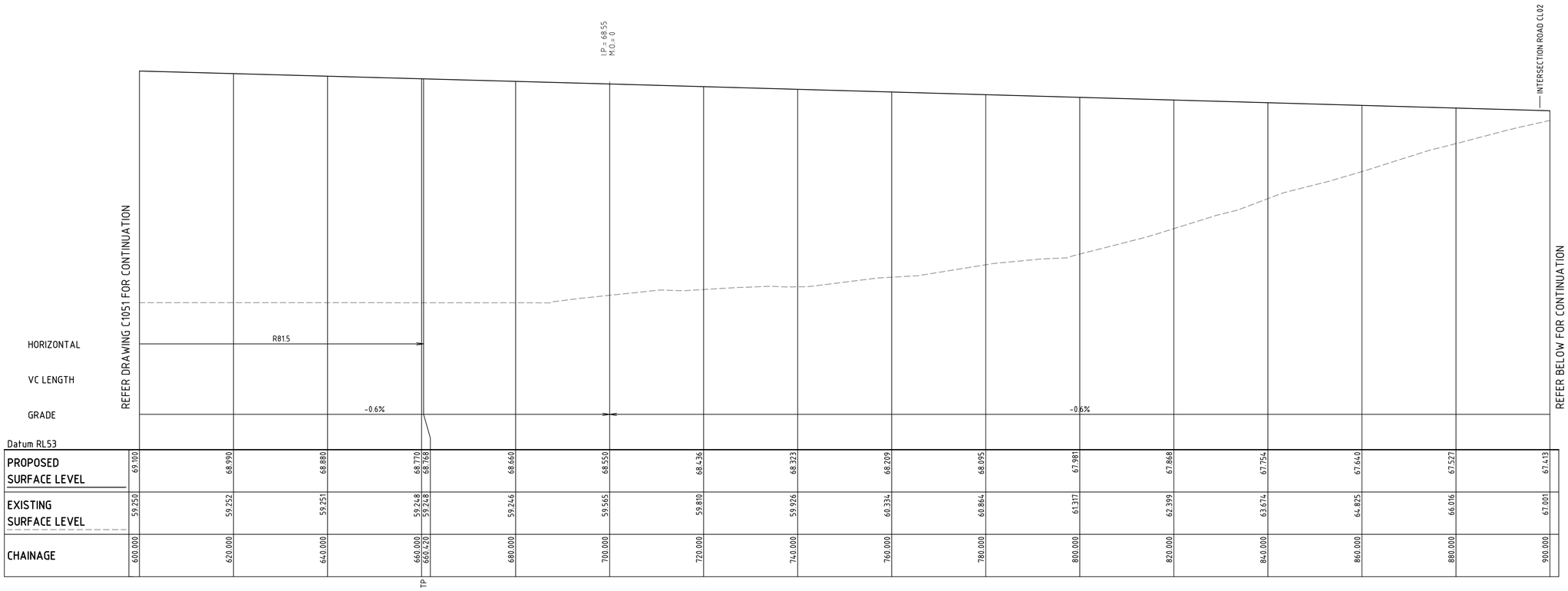
Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
ROAD LONGITUDINAL SECTIONS
SHEET 2 OF 5

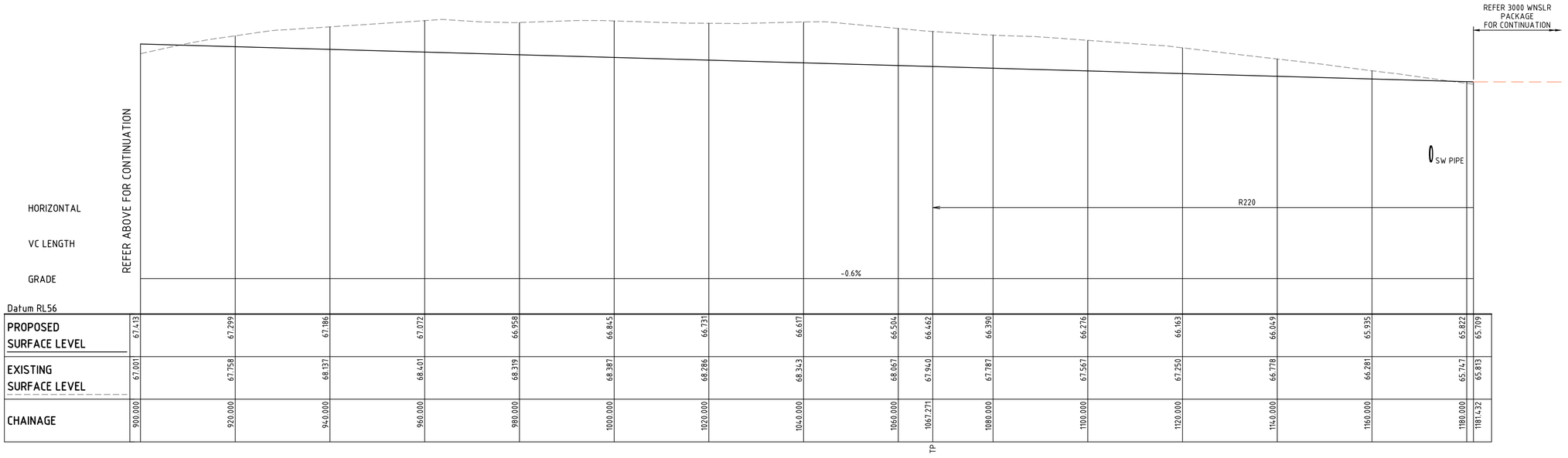
Drawing No.	Project No.	Issue
15-272-C1051	15-272	A5

100mm on Original



ROAD 01 (CL01) LONGITUDINAL SECTION

SCALE 1:500 HORI.
1:100 VERT.



ROAD (CL01) LONGITUDINAL SECTION

SCALE 1:500 HORI.
1:100 VERT.

Bar Scales

0 2 4 6 8
1 : 100 @ A1 1 : 200 @ A3

0 10 20 30 40
1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
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A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Scales	1 : 100 V 1 : 500 H	15-272-C1052.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

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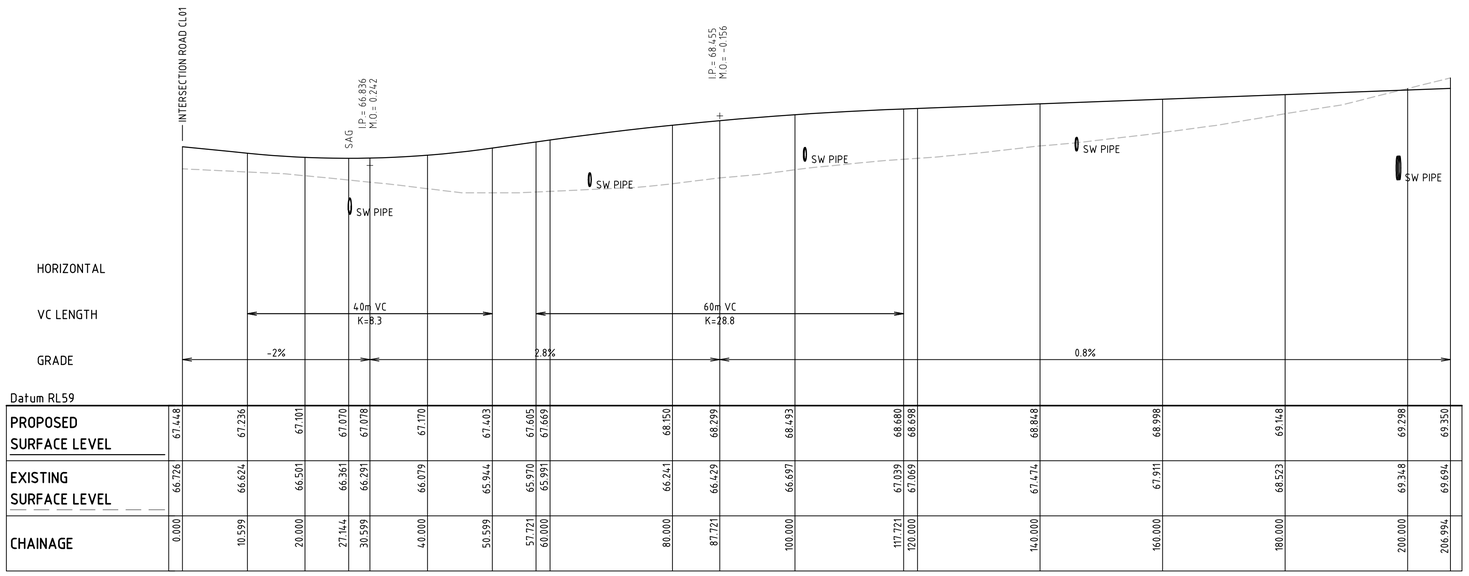
Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

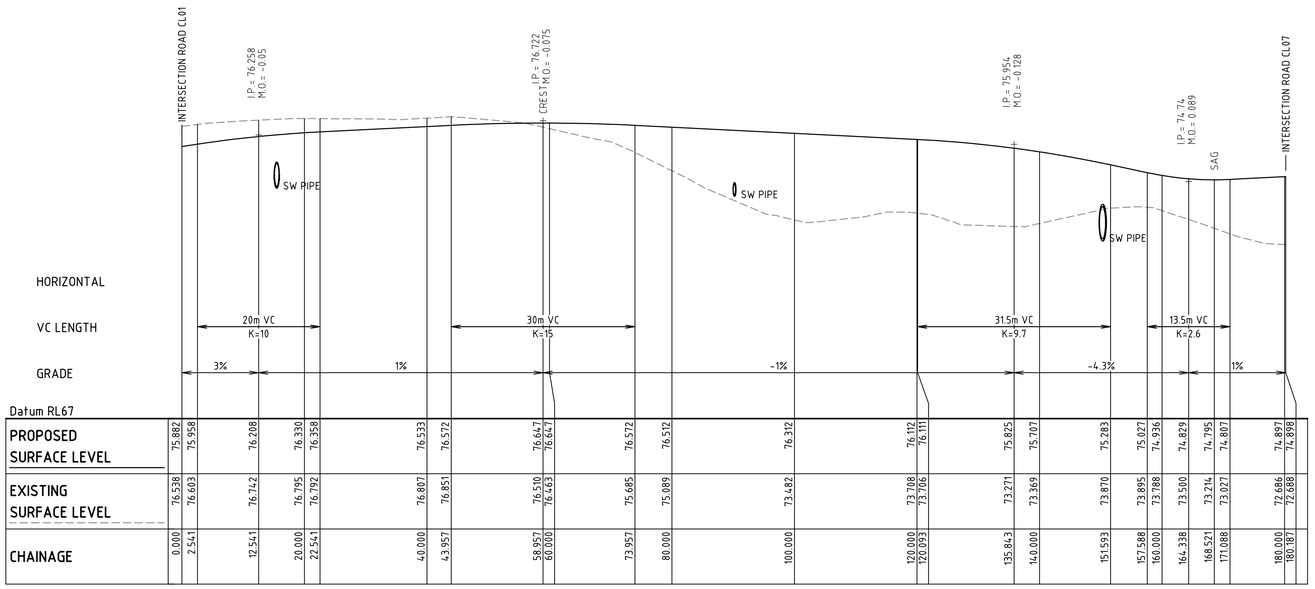
Title
ROAD LONGITUDINAL SECTIONS
SHEET 3 OF 5

Drawing No.	Project No.	Issue
15-272-C1052	15-272	A5



ROAD 02 (CL02) LONGITUDINAL SECTION

SCALE 1:500 HORI.
1:100 VERT.



ROAD 06 (CL06) LONGITUDINAL SECTION

SCALE 1:500 HORI.
1:100 VERT.

Bar Scales

0 2 4 6 8
1 : 100 @ A1 1 : 200 @ A3

0 10 20 30 40
1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status
MOD 1 APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Scales	1 : 100 V 1 : 500 H	15-272-C1053.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client
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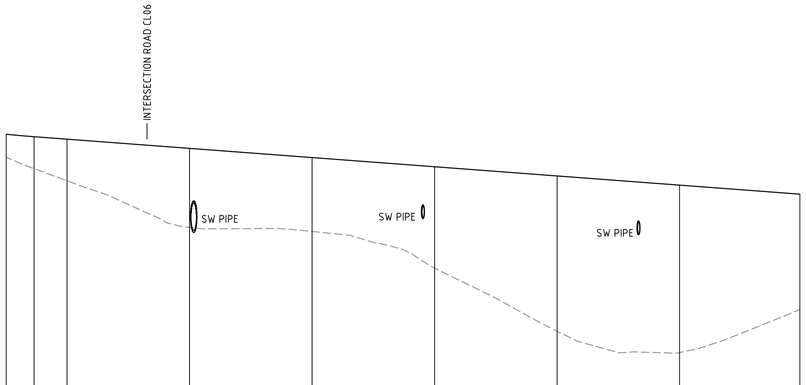
Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
ROAD LONGITUDINAL SECTIONS
SHEET 4 OF 5

Drawing No.	Project No.	Issue
15-272-C1053	15-272	A5



HORIZONTAL									
VC LENGTH		43.3m VC K=8							
GRADE					-1.5%				
Datum RL62									
PROPOSED SURFACE LEVEL	75.256	75.175	75.094	74.794	74.494	74.194	73.894	73.594	73.300
EXISTING SURFACE LEVEL	74.506	74.133	73.735	72.213	72.082	70.883	68.827	68.129	69.533
CHAINAGE	210.064	214.625	220.000	240.000	260.000	280.000	300.000	320.000	339.625

ROAD (CL07) LONGITUDINAL SECTION

SCALE 1:500 HORI.
1:100 VERT.

Bar Scales

0 2 4 6 8
1 : 100 @ A1 1 : 200 @ A3

0 10 20 30 40
1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status
MOD 1 APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Scales: 1 : 100 V, 1 : 500 H

15-272-C1054.dwg

Drawn: GB
Designed: GB
Checked: AM
Approved: AM

Height Datum: AHD
Grid: MGA

Client: Goodman

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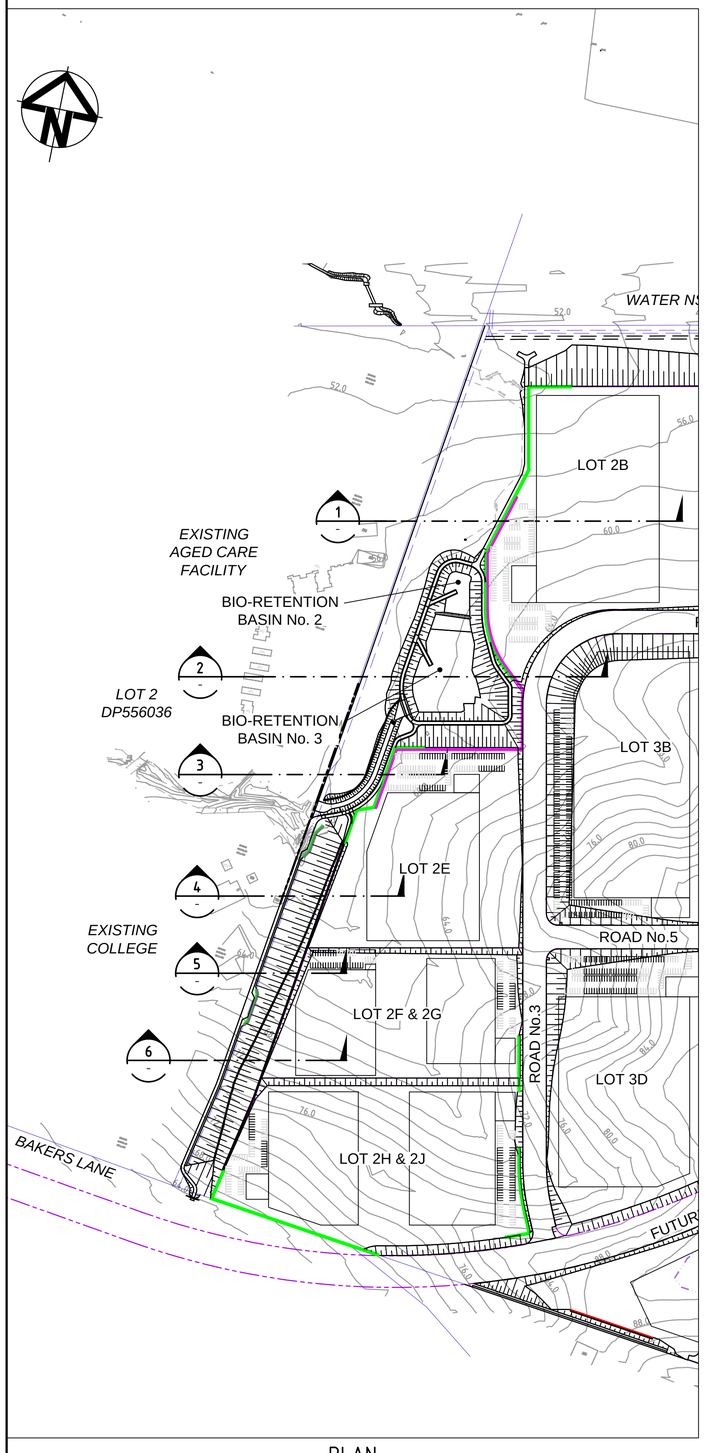
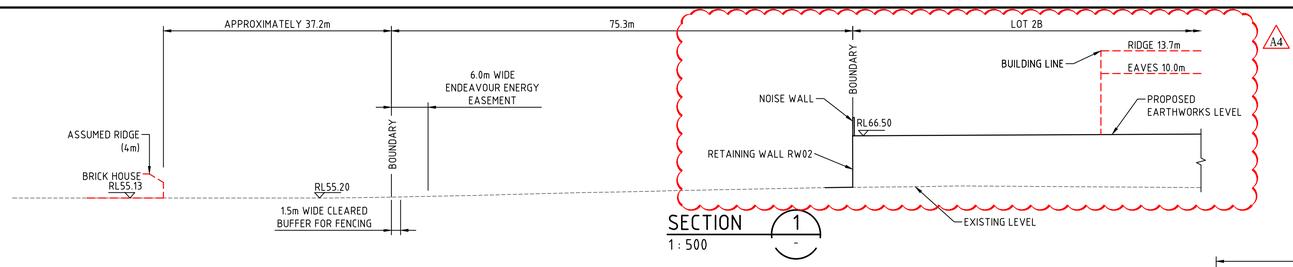
Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
ROAD LONGITUDINAL SECTIONS
SHEET 5 OF 5

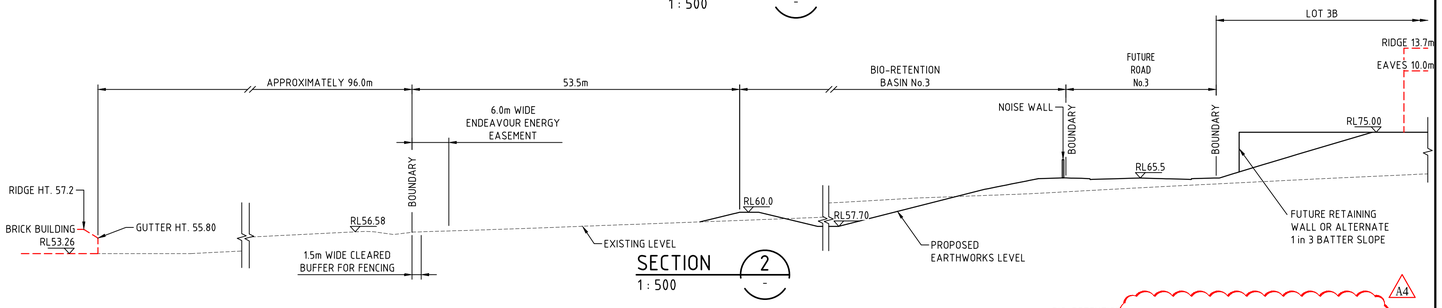
Drawing No.	Project No.	Issue
15-272-C1054	15-272	A5



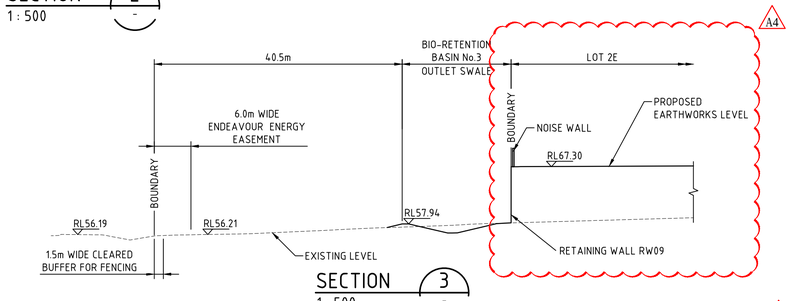
PLAN
SCALE 1 : 3000



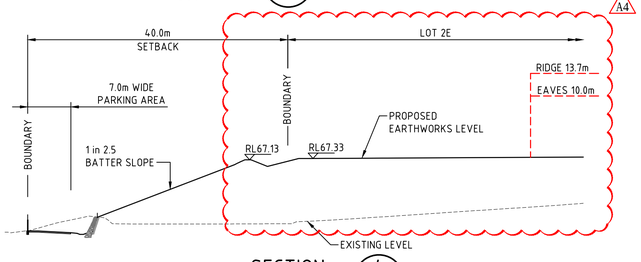
SECTION 1
1 : 500



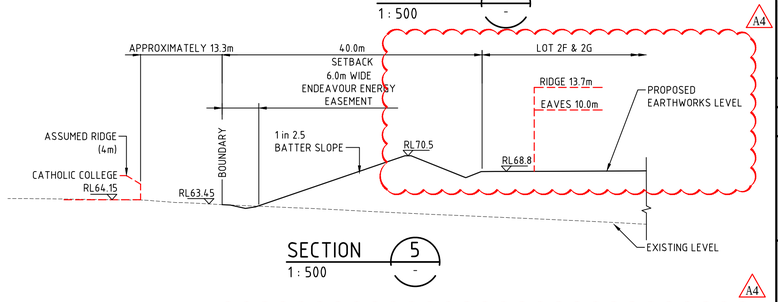
SECTION 2
1 : 500



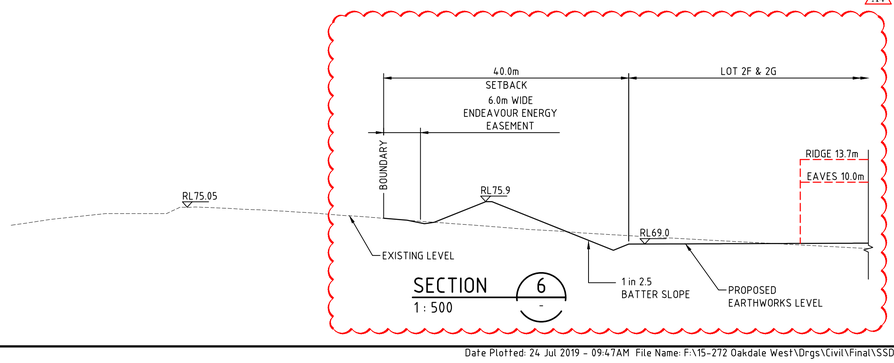
SECTION 3
1 : 500



SECTION 4
1 : 500



SECTION 5
1 : 500



SECTION 6
1 : 500

Bar Scales
0 10 20 30 40m
1 : 500 @ A1
0 50 100 150 200 250
1 : 3000 @ A1

Issue	Description	Date
A4	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A3	ISSUED FOR INFORMATION MOD 1	07-06-19
A2	ISSUED FOR SSD APPROVAL	21-09-18
A1	ISSUED FOR SSD APPROVAL	04-05-18

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Status: MOD 1 APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Scales	AS SHOWN	15-272-C1058.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

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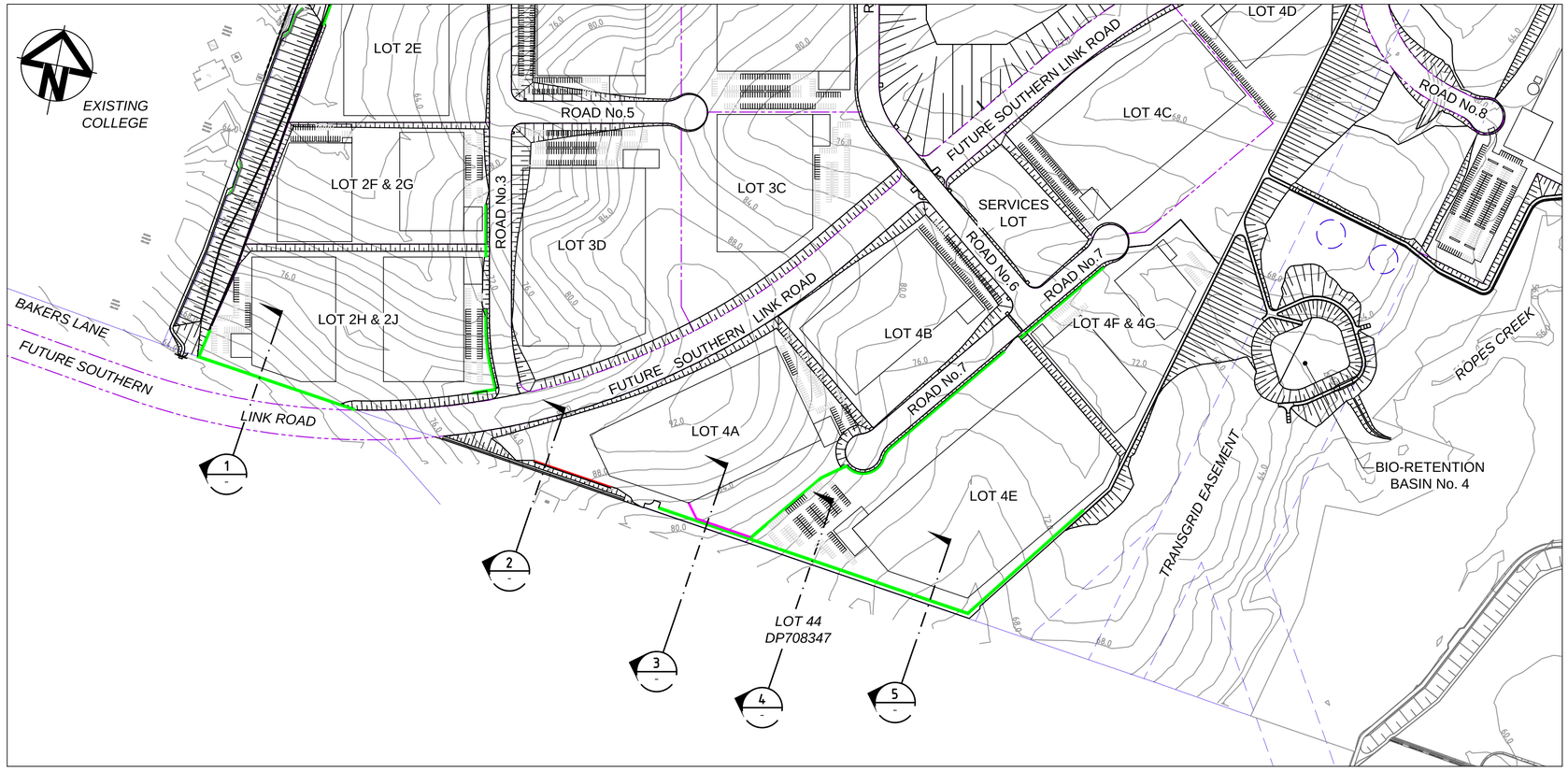
Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
WESTERN BOUNDARY LAYOUT AND SECTIONS

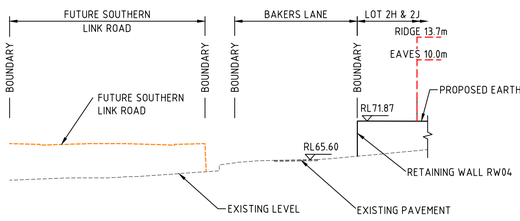
Drawing No.	Project No.	Issue
15-272-C1058	15-272	A4

100mm on Original

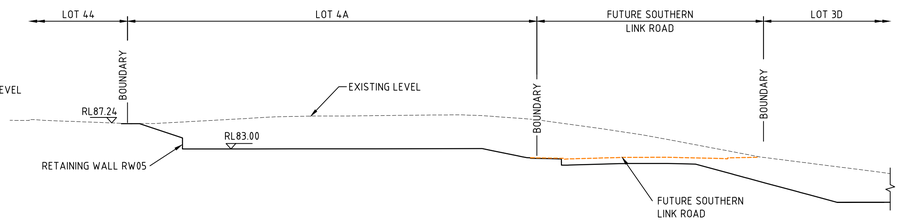


PLAN

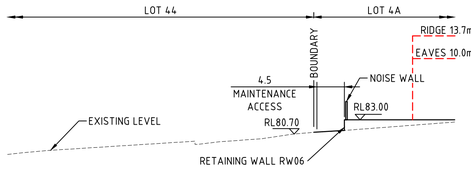
SCALE 1 : 3000



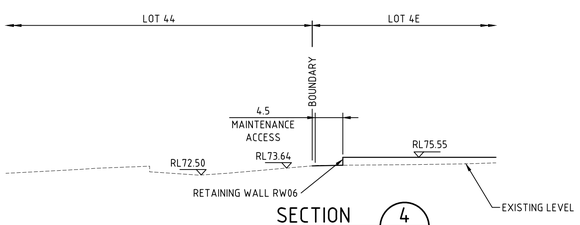
SECTION 1 — 1 : 500



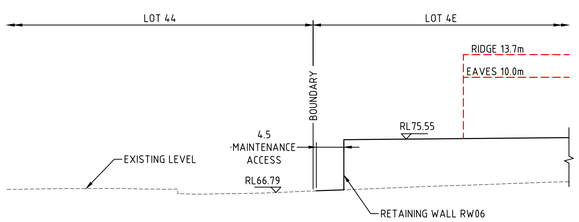
SECTION 2 — 1 : 500



SECTION 3 — 1 : 500



SECTION 4 — 1 : 500



SECTION 5 — 1 : 500

Bar Scales

0 10 20 30 40m

1 : 500 @ A1

0 50 100 150 200 250

1 : 3000 @ A1

A4	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A3	ISSUED FOR INFORMATION MOD 1	07-06-19
A2	ISSUED FOR SSD APPROVAL	11-10-18
A1	ISSUED FOR SSD APPROVAL	04-05-18
Issue	Description	Date

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Status: MOD 1 APPROVAL — NOT TO BE USED FOR CONSTRUCTION — A1

Scales	AS SHOWN	15-272-C1059.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

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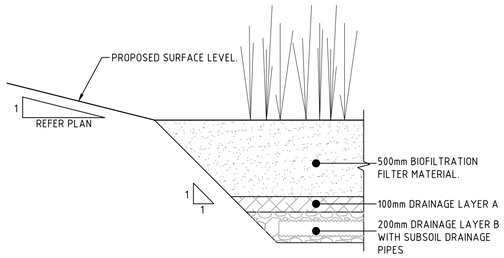
Project: PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title: SOUTHERN BOUNDARY LAYOUT AND SECTIONS

Drawing No.	Project No.	Issue
15-272-C1059	15-272	A4



BASIN FILTER MEDIA DETAIL

SCALE 1:20

EXISTING AGED CARE FACILITY

LOT 2 DP556036

LOT 2B

BRICK HOUSE

1 in 4 BATTER SLOPE TYPICAL

3.0m ACCESS TRACK

6.0m WIDE EASEMENT

HIGH FLOW OUTLET PIT

63\1

62\13

62\12

63\2

ø225 uPVC UNSLOTTED @ 0.5%

INV56.34

INV56.54

INV58.02

ø1350

ø900

1.0m FALL

BIO-RETENTION BASIN No.2
100yr ARI TWL 59.67
DETENTION VOLUME = 14,778m³
EXTENDER DETENTION RL58.00
BIO-FILTER MEDIA RL57.70
BIO-FILTER AREA = 5,049m²

BIO-RETENTION BASIN No.3
100yr ARI TWL 59.67
DETENTION VOLUME = 14,778m³
EXTENDER DETENTION RL58.00
BIO-FILTER MEDIA RL57.70
BIO-FILTER AREA = 5,049m²

10m ACCESS RAMP

3.5m ACCESS TRACK

4.0m

RETAINING WALL RW02

PROPOSED NOISE WALL

PROPOSED 500mm WIDE x 300mm DEEP CONCRETE BERM WITH 2 LAYERS OF TRENCH MESH 50mm COVER

EXTENT OF CUT-OFF TRENCH BELOW. REFER TYPICAL EMBANKMENT DETAIL

DP 1178389

LEGEND

- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- 60.0 EXISTING CONTOUR
- 65.0 PROPOSED CONTOUR
- 375ø STORMWATER PIPE WITH SIZE
- SURFACE INLET PIT
- HEADWALL
- 3\1 PROPOSED STORMWATER PIT NUMBER
- PROPOSED RETAINING WALL
- PROPOSED NOISE WALL
- 3.0m WIDE ACCESS TRACK (LIGHT-DUTY PAVEMENT)
- RIP-RAP SCOUR PROTECTION ON GEOTEXTILE FABRIC
- ROCK FILLED RENO MATTRESS ON GEOTEXTILE FABRIC
- CONCRETE SPILLWAY
- BASIN FILTER MEDIA REFER DWG C1009 FOR TYPICAL DETAIL
- LANDSCAPED BATTER
- CONCRETE RAMP

Bar Scales

0 500 1000 1500
1 : 20 @ A1 1 : 40 @ A3
0 5 10 15 20
1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
NOT TO BE USED FOR CONSTRUCTION — A1

Scales	1 : 250	15-272-C1062.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

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Project: PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title: BIO-RETENTION BASIN 2 AND 3 DETAIL PLAN SHEET 1 OF 2

Drawing No.	Project No.	Issue
15-272-C1062	15-272	A5

BIO-RETENTION BASIN No.3
100yr ARI TWL 59.67
DETENTION VOLUME = 14,778m³
EXTENDER DETENTION RL58.00
BIO-FILTER MEDIA RL57.70
BIO-FILTER AREA = 5,049m²

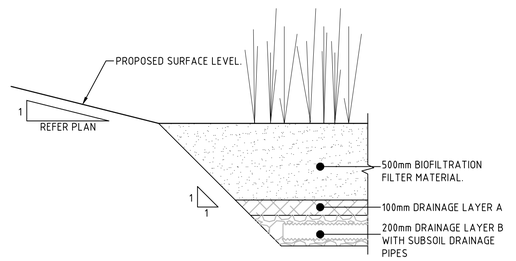
6.0m WIDE EASEMENT
1 in 4 BATTER SLOPE TYPICAL
HIGH FLOW OUTLET PIT
61\1
61\2
37\1
37\2
38\1
38\2
INV56.36
INV56.60
INV58.00
INV58.60
Φ225 uPVC UNSLOTTED @ 0.5%
Φ(2x)1350
Φ(2x)1200
SPILLWAY RL57.70
EXTENT OF CUT-OFF TRENCH BELOW. REFER TYPICAL EMBANKMENT DETAIL
3.0m ACCESS TRACK
RETAINING WALL RW02
RETAINING WALL RW09
PROPOSED NOISE WALL
SWALE 02
BASIN No.3 OUTLET SWALE
FUTURE ROAD No.3
LOT 2E
A4

LEGEND

- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- 60.0 EXISTING CONTOUR
- 65.0 PROPOSED CONTOUR
- 375Φ STORMWATER PIPE WITH SIZE
- SURFACE INLET PIT
- HEADWALL
- 31\1 PROPOSED STORMWATER PIT NUMBER
- PROPOSED RETAINING WALL
- PROPOSED NOISE WALL
- 3.0m WIDE ACCESS TRACK (LIGHT-DUTY PAVEMENT)
- RIP-RAP SCOUR PROTECTION ON GEOTEXTILE FABRIC
- ROCK FILLED RENO MATTRESS ON GEOTEXTILE FABRIC
- CONCRETE SPILLWAY
- BASIN FILTER MEDIA REFER DWG C1009 FOR TYPICAL DETAIL
- LANDSCAPED BATTER
- CONCRETE RAMP

BASIN FILTER MEDIA DETAIL

SCALE 1:20



Bar Scales
0 500 1000 1500
1 : 20 @ A1 1 : 40 @ A3
0 5 10 15 20
1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
A4	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A3	ISSUED FOR INFORMATION MOD 1	07-06-19
A2	ISSUED FOR SSD APPROVAL	21-09-18
A1	ISSUED FOR SSD APPROVAL	04-05-18

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Status: MOD 1 APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Scales	1 : 250	15-272-C1063.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

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Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
BIO-RETENTION BASIN 2 AND 3 DETAIL PLAN
SHEET 2 OF 2

Drawing No.	Project No.	Issue
15-272-C1063	15-272	A4

REFER DRAWING C1065 FOR CONTINUATION

PROPOSED SWALE

PROPOSED SWALE

100yr ARI TWL 63.06

1 IN 4

1 IN 4

3.0m ACCESS RAMP

10.0%

Ø1800

41\12

Ø1800 INV 61.70

PROPOSED SWALE.

41\13

1 IN 4

F60.36

1.0%

BIO-RETENTION BASIN No.4

100yr ARI TWL 63.06

DETENTION VOLUME = 18,071m³

EXTENDER DETENTION RL60.30

BIO-FILTER MEDIA RL60.00

BIO-FILTER AREA = 3,134m²

FP

INV59.00

ø375 uPVC UNSLOTTED @ 0.5%

INV58.30

HIGH FLOW OUTLET PIT

INV58.60

65/1

SPILLWAY RL63.00

ø750

INV58.46

65/2

F63.18

3.0%

F63.30

F63.18

3.0%

F63.30

F63.18

3.0%

F63.30

5.0%

4.0m

3.0m ACCESS TRACK

TRANSGRID EASEMENT

PROPOSED SWALE

APPROXIMATE LOCATION OF EXISTING TREE TO BE PROTECTED DURING CONSTRUCTION. LOCATION TO BE CONFIRMED.

PROPOSED LEVEL SPREADER

EXTENT OF CUT-OFF TRENCH BELOW. REFER TYPICAL EMBANKMENT DETAIL

SWALE 10

DRAINAGE LINE

BENCHMARK GALVANISED IRON PIPE RL 58.67 (AHD)

EXISTING TREE TO BE REMOVED (TYP.)

TRANSGRID EASEMENT

PROPOSED SWALE

PROPOSED LEVEL SPREADER

REFER DRAWING C1065 INSET 'A' FOR CONTINUATION

LEGEND

- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- 60.0 EXISTING CONTOUR
- 65.0 PROPOSED CONTOUR
- 375ø STORMWATER PIPE WITH SIZE
- SURFACE INLET PIT
- HEADWALL
- 31\1 PROPOSED STORMWATER PIT NUMBER
- PROPOSED RETAINING WALL
- PROPOSED NOISE WALL
- 3.0m WIDE ACCESS TRACK (LIGHT-DUTY PAVEMENT)
- RIP-RAP SCOUR PROTECTION ON GEOTEXTILE FABRIC
- ROCK FILLED RENO MATTRESS ON GEOTEXTILE FABRIC
- CONCRETE SPILLWAY
- BASIN FILTER MEDIA REFER DWG C1009 FOR TYPICAL DETAIL
- LANDSCAPED BATTER
- CONCRETE RAMP

Bar Scales

0 5 10 15 20

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
A3	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A2	ISSUED FOR INFORMATION MOD 1	07-06-19
A1	ISSUED FOR SSD APPROVAL	21-09-18

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Status: MOD 1 APPROVAL
NOT TO BE USED FOR CONSTRUCTION — A1

Scales	1 : 250	15-272-C1064.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

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info@atl.net.au

Project: PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

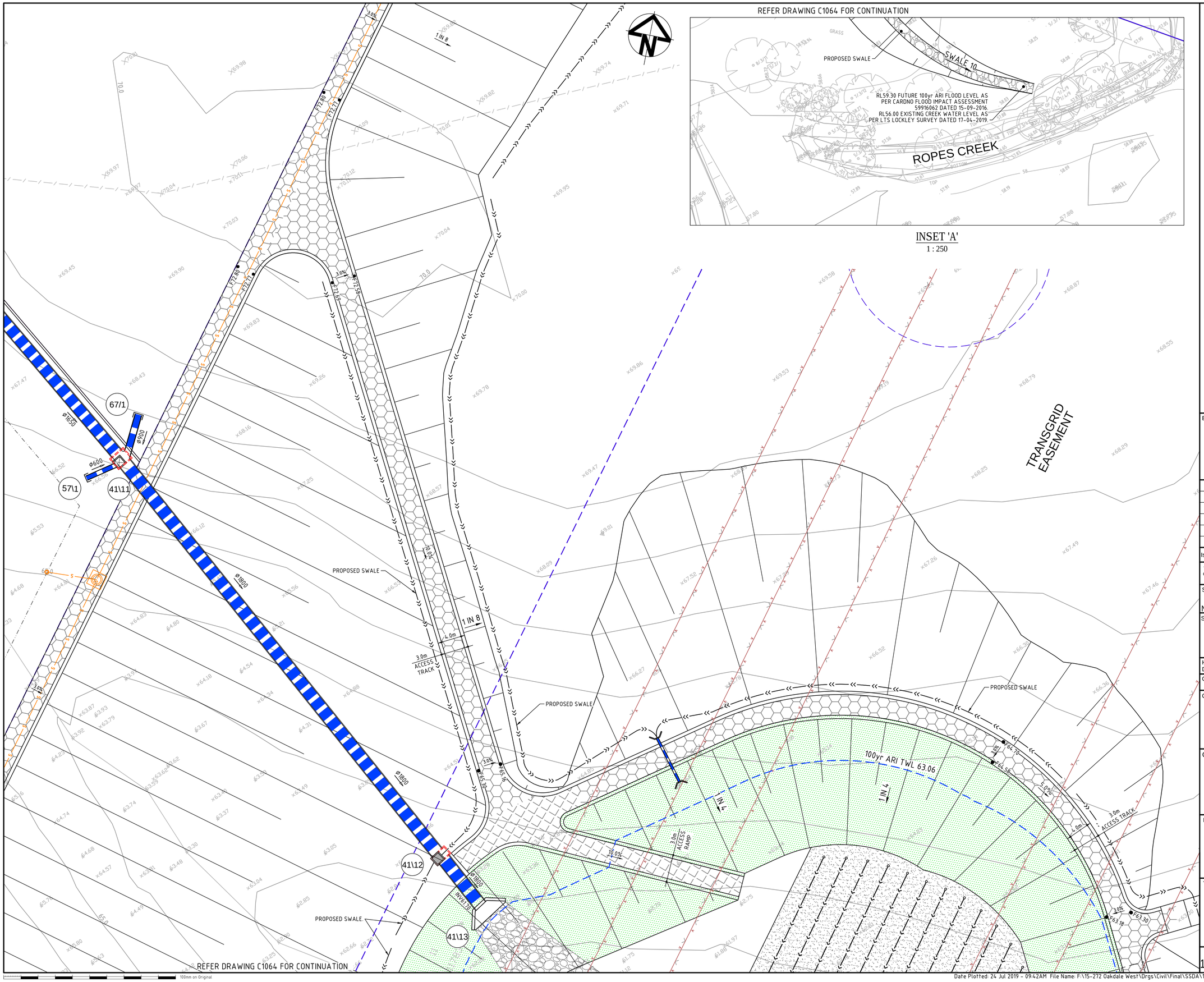
Title: BIO-RETENTION BASIN 4 DETAIL PLAN SHEET 1 OF 2

Drawing No.	Project No.	Issue
15-272-C1064	15-272	A3

100mm on Original

REFER DRAWING C1064 FOR CONTINUATION

INSET 'A'
1 : 250



LEGEND

- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- 60.0 EXISTING CONTOUR
- 65.0 PROPOSED CONTOUR
- 375ø STORMWATER PIPE WITH SIZE
- SURFACE INLET PIT
- HEADWALL
- 31\1 PROPOSED STORMWATER PIT NUMBER
- PROPOSED RETAINING WALL
- PROPOSED NOISE WALL
- 3.0m WIDE ACCESS TRACK (LIGHT-DUTY PAVEMENT)
- RIP-RAP SCOUR PROTECTION ON GEOTEXTILE FABRIC
- ROCK FILLED RENO MATTRESS ON GEOTEXTILE FABRIC
- CONCRETE SPILLWAY
- BASIN FILTER MEDIA REFER DWG C1009 FOR TYPICAL DETAIL
- LANDSCAPED BATTER
- CONCRETE RAMP

Bar Scales

500 1000 1500
1 : 20 @ A1 1 : 40 @ A3
5 10 15 20
1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
NOT TO BE USED FOR CONSTRUCTION — A1

Scales	1 : 250	15-272-C1065.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

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Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
BIO-RETENTION BASIN 4 DETAIL PLAN
SHEET 2 OF 2

Drawing No.	Project No.	Issue
15-272-C1065	15-272	A5

100mm on Original

REFER INSET 'A' FOR CONTINUATION

RL57.10 FUTURE 100yr ARI FLOOD LEVEL AS PER CARDNO FLOOD IMPACT ASSESSMENT 59916062 DATED 15-09-2016.
RL54.68 EXISTING CREEK WATER LEVEL AS PER LTS LOCKLEY SURVEY DATED 17-04-2019.

ROPES CREEK

RETAINING WALL RW07

SWALE 03

66\3

INV55.43

F56.83

F56.89

1 in 4 BATTER SLOPE TYPICAL

Ø750

INSET 'A'
1 : 250

66\2

INV56.60

INV55.63

Ø750

1 in 4 BATTER SLOPE TYPICAL

66\1

F58.89

INV55.74

HIGH FLOW OUTLET PIT

INV55.74

F59.50

F59.44

F58.38

F58.44

2.5%

3.0%

1.5%

1 IN 4

1 IN 6

1 IN 10

42\1

42\2

F59.57

F59.14

F59.23

F59.29

Ø(2x)1050

INV57.30

F59.54

F59.11

F57.00

F55.90

10%

3.0m ACCESS RAMP

0.5%

Ø225 uPVC UNSLOTTED @

100yr ARI TWL 58.11

F58.38

F58.01

F58.63

F55.45

4.0m

3.0m ACCESS TRACK

BIO-RETENTION BASIN No.5
100yr ARI TWL 58.11
DETENTION VOLUME = 2,620m³
EXTENDER DETENTION RL57.30
BIO-FILTER MEDIA RL57.00
BIO-FILTER AREA = 1,600m²

SPILLWAY RL58.20

PROPOSED CONCRETE SPILLWAY CROSSING.

EXISTING TREE TO BE REMOVED (TYP.)

1 in 10 BATTER SLOPE TYPICAL

EXTENT OF CUT-OFF TRENCH BELOW. REFER TYPICAL EMBANKMENT DETAIL

F55.84

F59.59

F59.41

F59.71

F59.28

F58.95

F59.07

F57.33

F57.17

10.0%

ROPES CREEK

LEGEND

- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- 60.0 EXISTING CONTOUR
- 65.0 PROPOSED CONTOUR
- 375Ø STORMWATER PIPE WITH SIZE
- SURFACE INLET PIT
- HEADWALL
- 3\1 PROPOSED STORMWATER PIT NUMBER
- PROPOSED RETAINING WALL
- PROPOSED NOISE WALL
- 3.0m WIDE ACCESS TRACK (LIGHT-DUTY PAVEMENT)
- RIP-RAP SCOUR PROTECTION ON GEOTEXTILE FABRIC
- ROCK FILLED RENO MATTRESS ON GEOTEXTILE FABRIC
- CONCRETE SPILLWAY
- BASIN FILTER MEDIA REFER DWG C1009 FOR TYPICAL DETAIL
- LANDSCAPED BATTER
- CONCRETE RAMP

Bar Scales

0 500 1000 1500
1 : 20 @ A1 1 : 40 @ A3
0 5 10 15 20
1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status
MOD 1 APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Scales	1 : 250	15-272-C1066.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client
Goodman

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Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

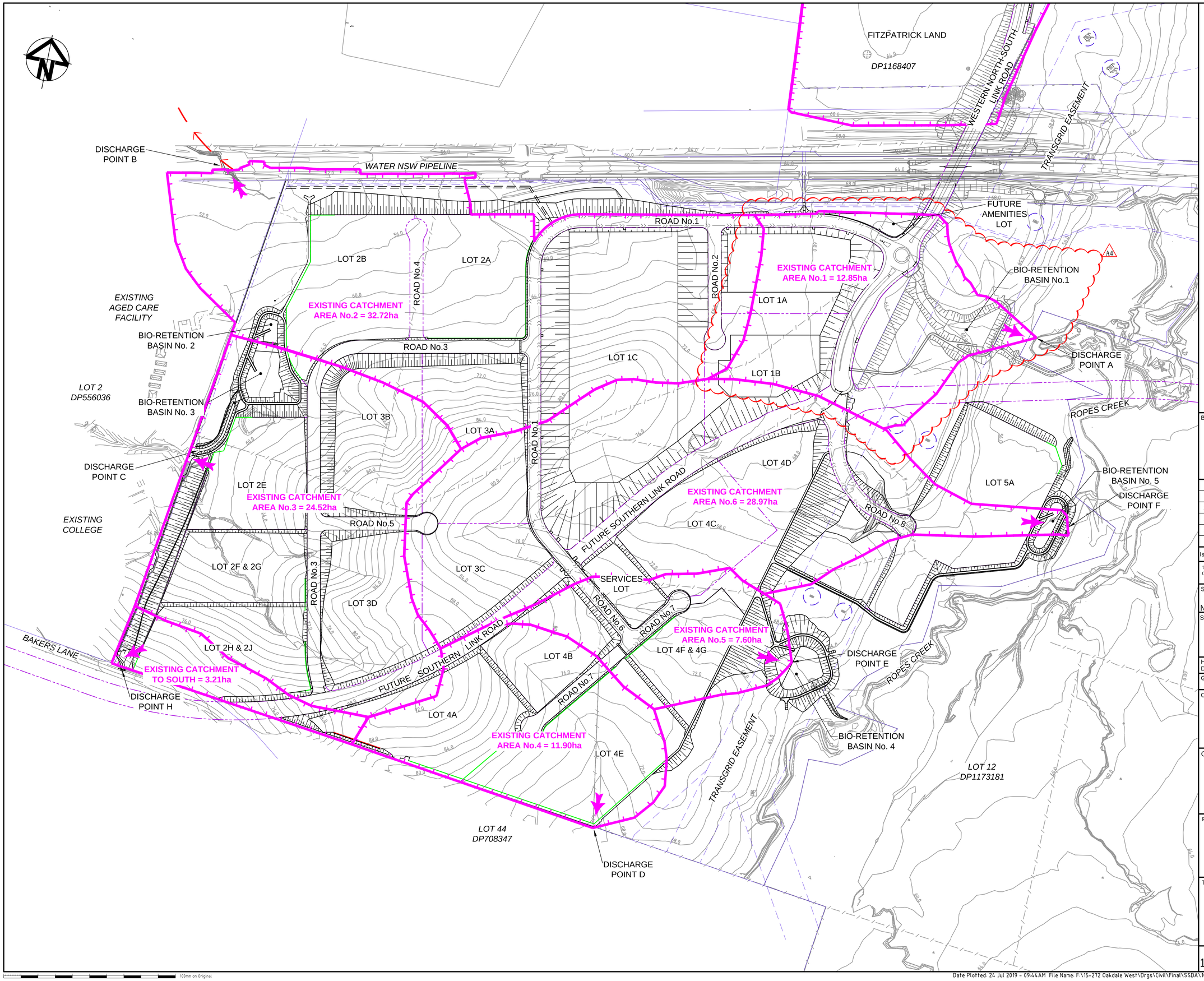
Title
BIO-RETENTION BASIN 5 DETAIL PLAN

Drawing No.	Project No.	Issue
15-272-C1066	15-272	A5

PROPOSED SURFACE LEVEL.
1
REFER PLAN
1
1
500mm BIOFILTRATION FILTER MATERIAL.
100mm DRAINAGE LAYER A
200mm DRAINAGE LAYER B WITH SUBSOIL DRAINAGE PIPES

BASIN FILTER MEDIA DETAIL
SCALE 1:20

100mm on Original



Bar Scales

0 50 100 150 200 250

1 : 3000 @ A1

Issue	Description	Date
A4	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A3	ISSUED FOR INFORMATION MOD 1	07-06-19
A2	ISSUED FOR SSD APPROVAL	21-09-18
A1	ISSUED FOR SSD APPROVAL	04-05-18

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Status: MOD 1 APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Scales	1 : 3000	15-272-C1068.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

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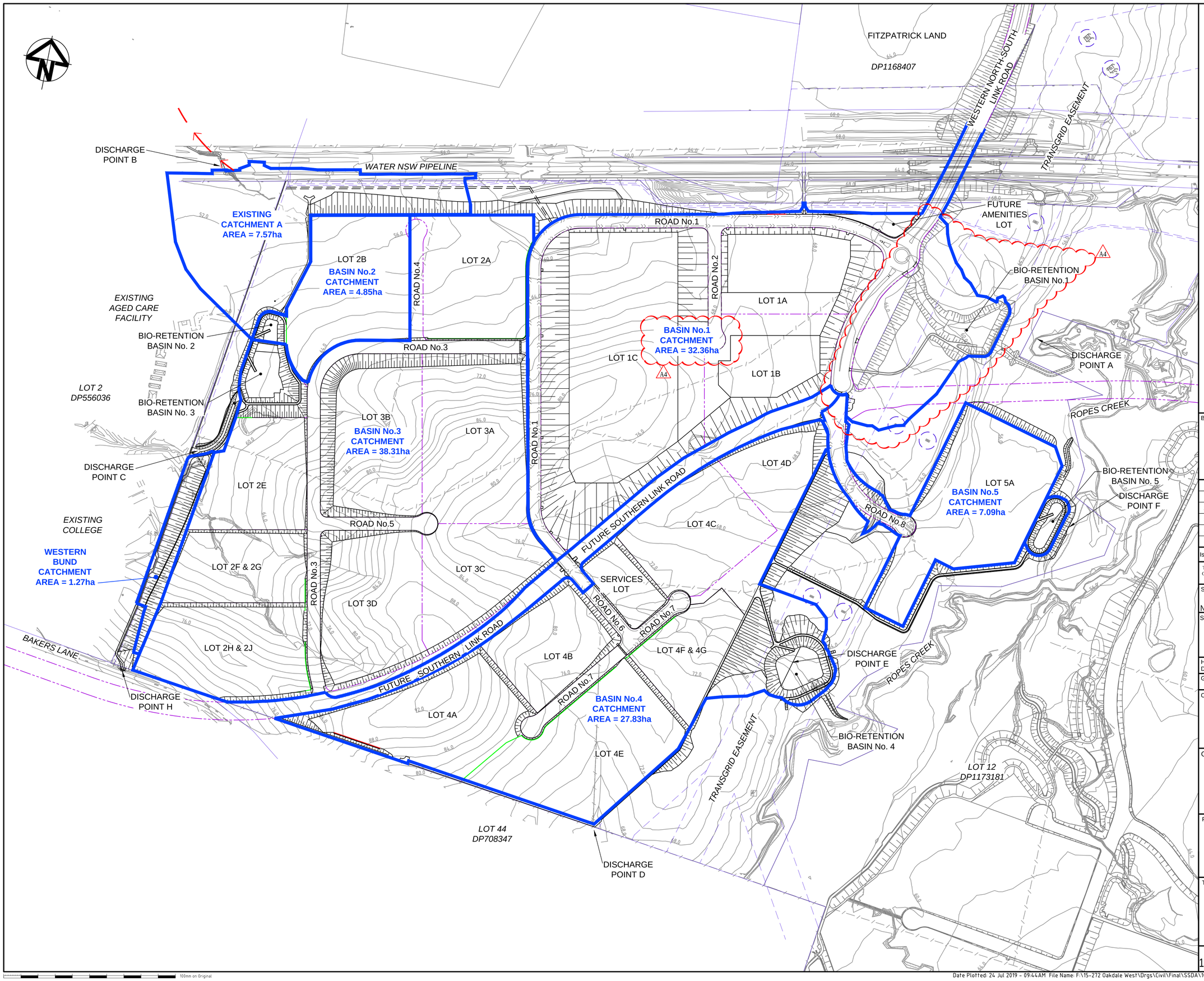
Project: PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title: STORMWATER DRAINAGE CATCHMENT PLAN (PRE-DEVELOPED)

Drawing No.	Project No.	Issue
15-272-C1068	15-272	A4

100mm on Original

Date Plotted: 24 Jul 2019 - 09:44AM File Name: F:\15-272 Oakdale West\Drgs\Civil\Final\SSDA\1000_MOD 1_Infrastructure Package\15-272-C1068.dwg V1



Bar Scales

0 50 100 150 200 250

1 : 3000 @ A1

Issue	Description	Date
A4	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A3	ISSUED FOR INFORMATION MOD 1	07-06-19
A2	ISSUED FOR SSD APPROVAL	21-09-18
A1	ISSUED FOR SSD APPROVAL	04-05-18

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Status: MOD 1 APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Scales	1 : 3000	15-272-C1069.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

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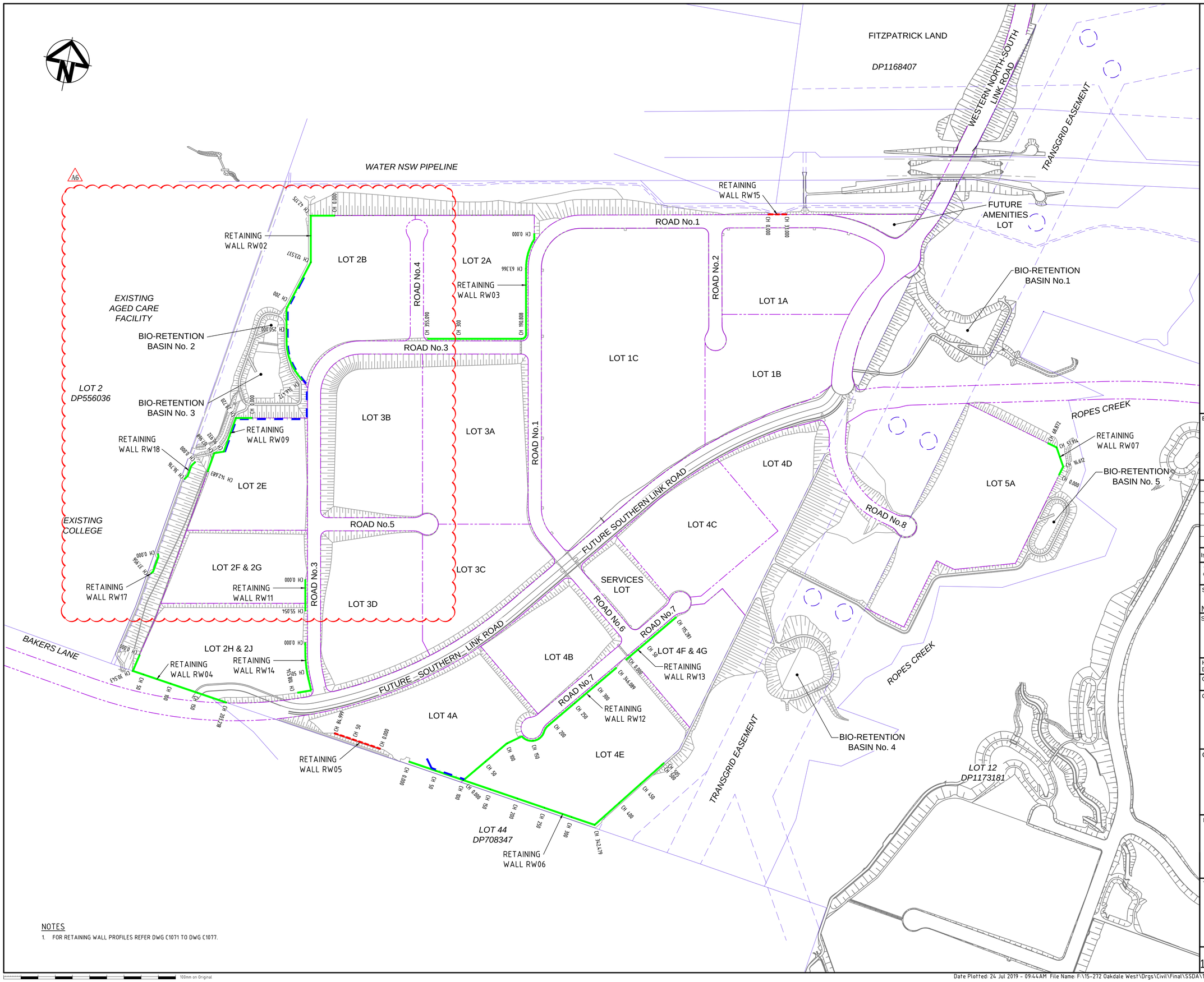
Project: PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title: STORMWATER DRAINAGE CATCHMENT PLAN (POST-DEVELOPED)

Drawing No.	Project No.	Issue
15-272-C1069	15-272	A4

100mm on Original

Date Plotted: 24 Jul 2019 - 09:44AM File Name: F:\15-272 Oakdale West\Drgs\Civil\Final\SSDA\1000_MOD 1_Infrastructure Package\15-272-C1069.dwg V1



LEGEND

EXISTING

- EXISTING BOUNDARY
- EXISTING EASEMENT

PROPOSED

- PROPOSED RETAINING WALL- FILL
- PROPOSED RETAINING WALL - CUT
- FUTURE RETAINING WALL NOT PART OF THIS APPROVAL
- PROPOSED NOISE WALLS - REFER TO SLR REPORT. LOCATION OF WALLS SUBJECT TO DETAILED DESIGN.

Bar Scales

0 50 100 150 200 250

1 : 3000 @ A1

Issue	Description	Date
A6	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A5	ISSUED FOR INFORMATION MOD 1	07-06-19
A4	ISSUED FOR SSD APPROVAL	11-10-18
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
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Scales	1 : 3000	15-272-C1070.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

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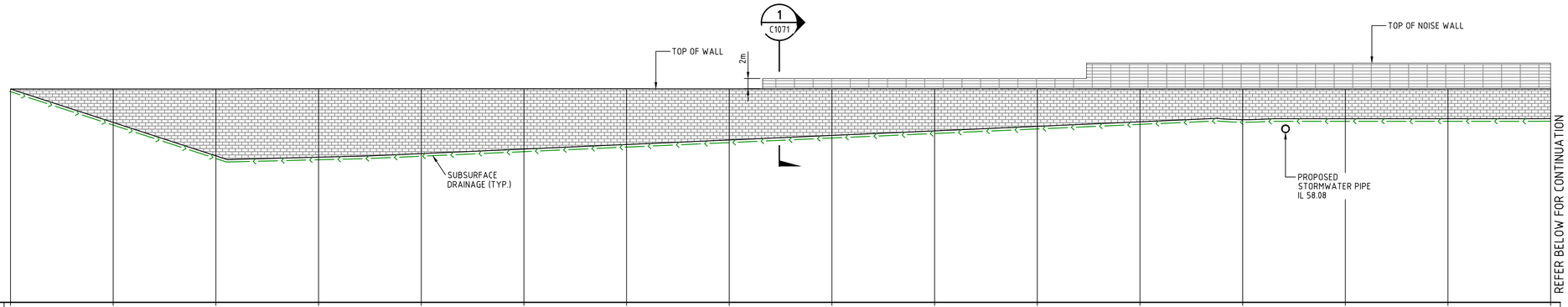
Project: PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title: RETAINING WALL GENERAL ARRANGEMENT PLAN

Drawing No.	Project No.	Issue
15-272-C1070	15-272	A6

NOTES

1. FOR RETAINING WALL PROFILES REFER DWG C1071 TO DWG C1077.



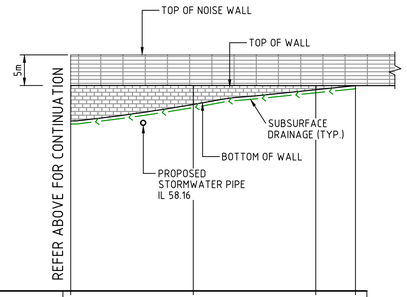
Datum RL25

BOTTOM OF RETAINING WALL	66.500	59.999	53.498	53.229	53.921	54.805	55.690	56.574	57.458	58.343	59.227	60.112	60.533	60.717	60.717	60.739
TOP OF RETAINING WALL	66.504	66.504	66.504	66.533	66.532	66.531	66.529	66.516	66.531	66.54	66.529	66.504	66.504	66.504	66.505	66.52
HEIGHT OF RETAINING WALL	0.004	6.505	13.006	13.304	12.611	11.725	10.840	9.941	9.073	8.198	7.301	6.392	5.971	5.787	5.788	5.781
CHAINAGE	0.000	20.000	40.000	60.000	80.000	100.000	120.000	140.000	160.000	180.000	200.000	220.000	240.000	260.000	280.000	300.000

RETAINING WALL RW02 PROFILE

SCALE 1:500 HORI.
1:500 VERT.

A5



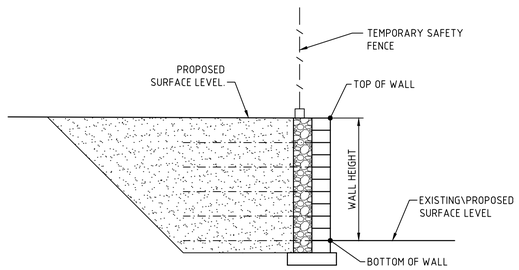
Datum RL33

BOTTOM OF RETAINING WALL	60.739	63.442	65.842	66.500
TOP OF RETAINING WALL	66.52	66.538	66.513	66.509
HEIGHT OF RETAINING WALL	5.781	3.096	0.671	0.009
CHAINAGE	300.000	320.000	340.000	346.472

RETAINING WALL RW02 PROFILE

SCALE 1:500 HORI.
1:500 VERT.

A5



SECTION 1
1 : 50

Bar Scales

0 1 2 3 4
1 : 50 @ A1 1 : 100 @ A3
0 10 20 30 40
1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
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Scales	1 : 500	15-272-C1071.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

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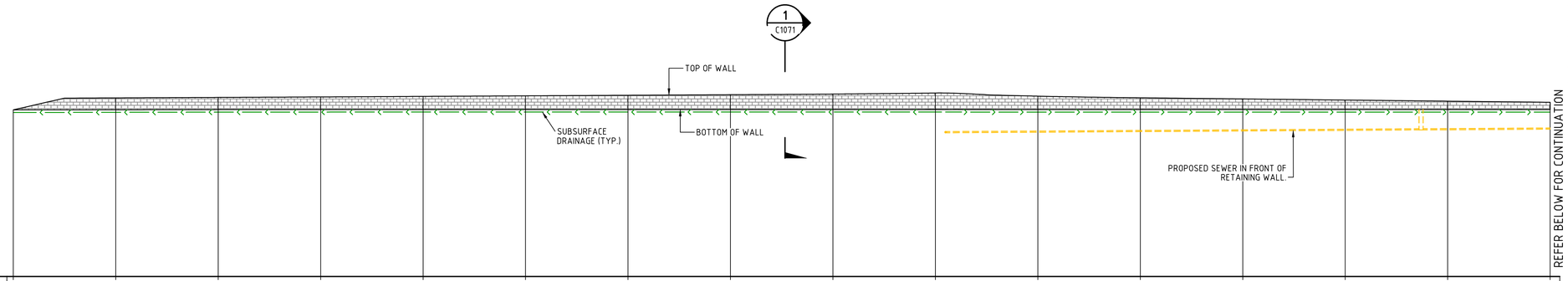
Project: PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title: RETAINING WALL PROFILES SHEET 1 OF 7

Drawing No.	Project No.	Issue
15-272-C1071	15-272	A5

A5

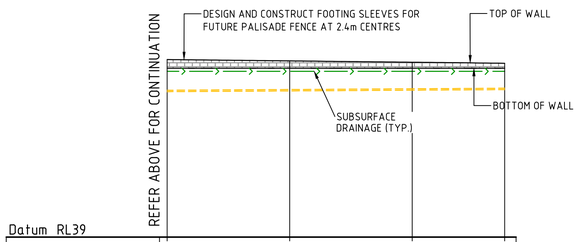


Datum RL34

BOTTOM OF RETAINING WALL	66.504	66.526	66.558	66.571	66.572	66.572	66.572	66.572	66.572	66.572	66.567	66.567	66.567	66.567	66.564	66.561
TOP OF RETAINING WALL	66.5	68.838	68.931	69.023	69.13	69.24	69.35	69.46	69.587	69.794	69.178	68.857	68.637	68.417	68.197	67.977
HEIGHT OF RETAINING WALL	-0.004	2.311	2.372	2.452	2.559	2.669	2.779	2.889	3.015	3.222	2.611	2.290	2.070	1.850	1.634	1.416
CHAINAGE	0.000	20.000	40.000	60.000	80.000	100.000	120.000	140.000	160.000	180.000	200.000	220.000	240.000	260.000	280.000	300.000

RETAINING WALL RW03 PROFILE

SCALE 1:500 HORI.
1:500 VERT.



Datum RL39

BOTTOM OF RETAINING WALL	66.561	66.559	66.556	66.552
TOP OF RETAINING WALL	67.977	67.757	67.537	67.372
HEIGHT OF RETAINING WALL	1.416	1.198	0.981	0.820
CHAINAGE	300.000	320.000	340.000	355.090

RETAINING WALL RW03 PROFILE

SCALE 1:500 HORI.
1:500 VERT.

Bar Scales

0 10 20 30 40

1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status
MOD 1 APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Scales	1 : 500	15-272-C1072.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client
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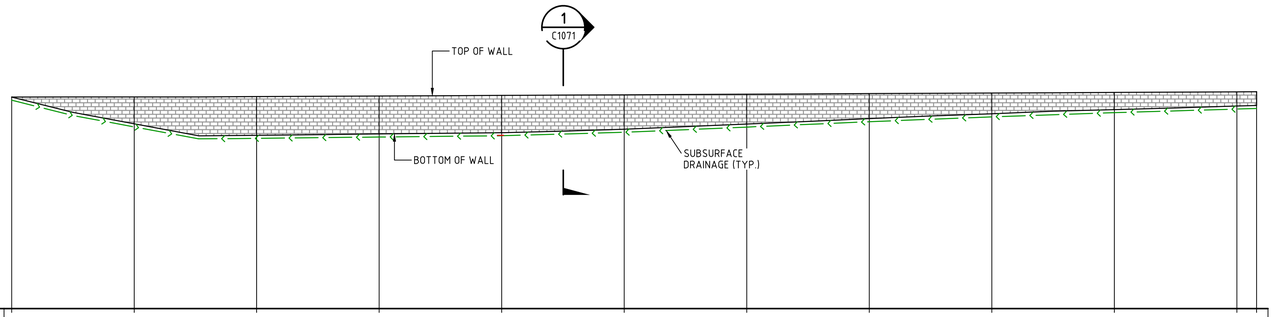
Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
RETAINING WALL PROFILES
SHEET 2 OF 7

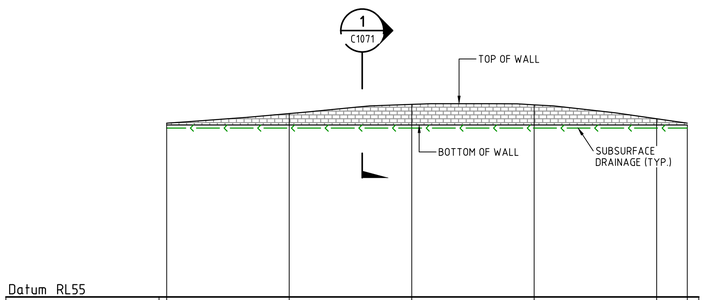
Drawing No.	Project No.	Issue
15-272-C1072	15-272	A5



Datum RL37											
BOTTOM OF RETAINING WALL	71.525	67.162	65.273	65.499	65.703	66.271	67.120	67.997	68.793	69.476	70.059	70.149
TOP OF RETAINING WALL	71.527	71.541	71.594	71.692	71.79	71.887	71.985	72.082	72.18	72.278	72.375	72.391
HEIGHT OF RETAINING WALL	0.002	4.379	6.321	6.193	6.087	5.616	4.865	4.086	3.387	2.801	2.316	2.242
CHAINAGE	0.000	20.000	40.000	60.000	80.000	100.000	120.000	140.000	160.000	180.000	200.000	203.218

RETAINING WALL RW04 PROFILE

SCALE 1:500 HORI.
1:500 VERT.



Datum RL55						
BOTTOM OF RETAINING WALL	83.049	83.049	83.050	83.050	83.050	83.050
TOP OF RETAINING WALL	83.353	84.923	86.421	86.345	84.064	
HEIGHT OF RETAINING WALL	0.304	1.874	3.371	3.295	1.015	
CHAINAGE	0.000	20.000	40.000	60.000	80.000	84.999

RETAINING WALL RW05 PROFILE

SCALE 1:500 HORI.
1:500 VERT.

Bar Scales

0 10 20 30 40

1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Scales	1 : 500	15-272-C1073.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

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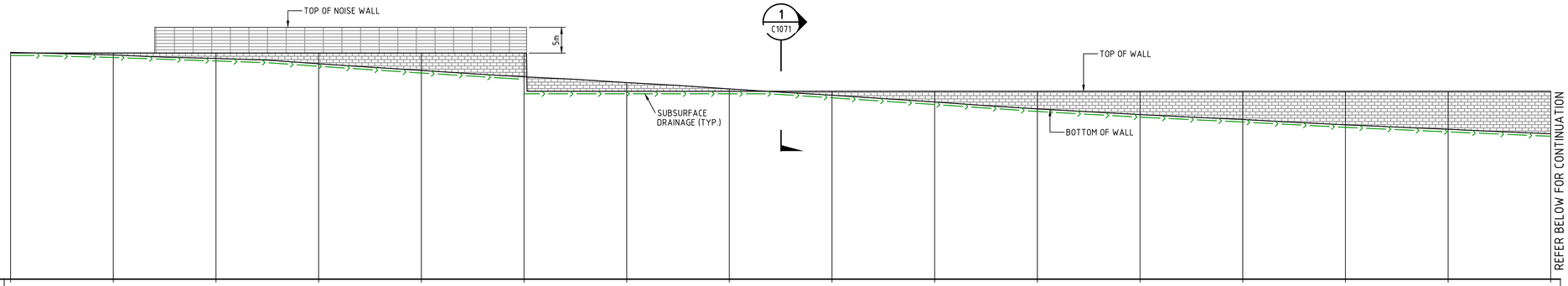
Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
RETAINING WALL PROFILES
SHEET 3 OF 7

Drawing No.	Project No.	Issue
15-272-C1073	15-272	A5

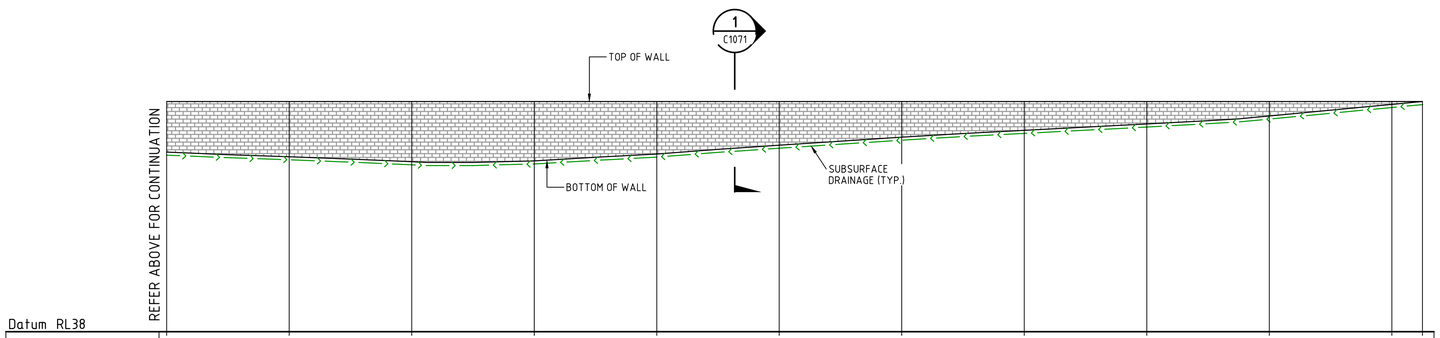


Datum RL39

BOTTOM OF RETAINING WALL	83.115	82.622	81.939	80.903	79.609	78.350	77.244	76.009	74.789	73.472	72.120	71.009	70.068	69.031	68.150	67.295
TOP OF RETAINING WALL	83.002	83	83	83	83	83	75.55	75.55	75.55	75.55	75.55	75.55	75.55	75.55	75.55	75.55
HEIGHT OF RETAINING WALL	-0.112	0.378	1.061	2.097	3.391	4.650	-1.694	-0.459	0.761	2.078	3.430	4.541	5.482	6.519	7.400	8.255
CHAINAGE	0.000	20.000	40.000	60.000	80.000	100.000	120.000	140.000	160.000	180.000	200.000	220.000	240.000	260.000	280.000	300.000

RETAINING WALL RW06 PROFILE

SCALE 1:500 HORI.
1:500 VERT.



Datum RL38

BOTTOM OF RETAINING WALL	67.295	66.551	65.727	65.866	66.981	68.434	69.743	70.855	71.888	73.191	75.078	75.550
TOP OF RETAINING WALL	75.55	75.55	75.55	75.55	75.55	75.55	75.55	75.55	75.55	75.55	75.55	75.55
HEIGHT OF RETAINING WALL	8.255	8.999	9.823	9.685	8.570	7.116	5.807	4.695	3.662	2.359	0.472	0.000
CHAINAGE	300.000	320.000	340.000	360.000	380.000	400.000	420.000	440.000	460.000	480.000	500.000	505.000

RETAINING WALL RW06 PROFILE

SCALE 1:500 HORI.
1:500 VERT.

Bar Scales

0 10 20 30 40

1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status
MOD 1 APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Scales	1 : 500	15-272-C1074.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client
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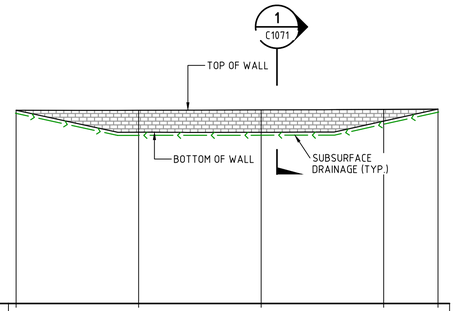
Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
RETAINING WALL PROFILES
SHEET 4 OF 7

Drawing No.	Project No.	Issue
15-272-C1074	15-272	A5



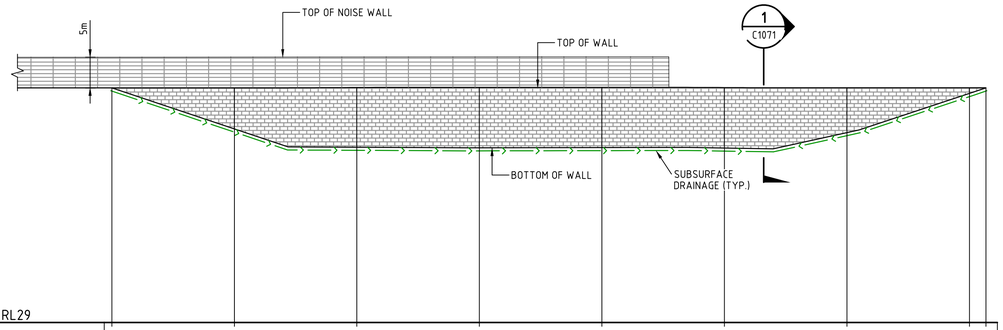
Datum RL28

BOTTOM OF RETAINING WALL	59.535	55.959	55.951	57.892	59.727
TOP OF RETAINING WALL	59.535	59.539	59.604	59.683	59.727
HEIGHT OF RETAINING WALL	0.000	3.580	3.653	1.791	0.000
CHAINAGE	0.000	20.000	40.000	60.000	68.872

RETAINING WALL RW07 PROFILE

SCALE 1:500 HORI.
1:500 VERT.

A5

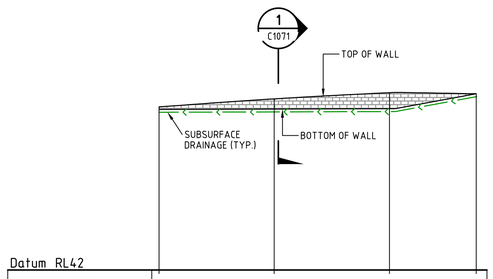


Datum RL29

BOTTOM OF RETAINING WALL	67.300	60.602	57.606	57.517	57.552	57.481	60.005	66.398	67.300
TOP OF RETAINING WALL	67.305	67.305	67.357	67.386	67.386	67.343	67.306	67.306	67.306
HEIGHT OF RETAINING WALL	0.005	6.703	9.751	9.869	9.833	9.862	7.300	0.908	0.006
CHAINAGE	0.000	20.000	40.000	60.000	80.000	100.000	120.000	140.000	142.683

RETAINING WALL RW09 PROFILE

SCALE 1:500 HORI.
1:500 VERT.



Datum RL42

BOTTOM OF RETAINING WALL	69.857	69.918	69.979	72.563
TOP OF RETAINING WALL	70.289	71.679	72.746	72.563
HEIGHT OF RETAINING WALL	0.432	1.761	2.767	0.000
CHAINAGE	0.000	20.000	40.000	55.054

RETAINING WALL RW11 PROFILE

SCALE 1:500 HORI.
1:500 VERT.

Bar Scales

0 10 20 30 40

1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
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A1

Scales	1 : 500	15-272-C1075.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

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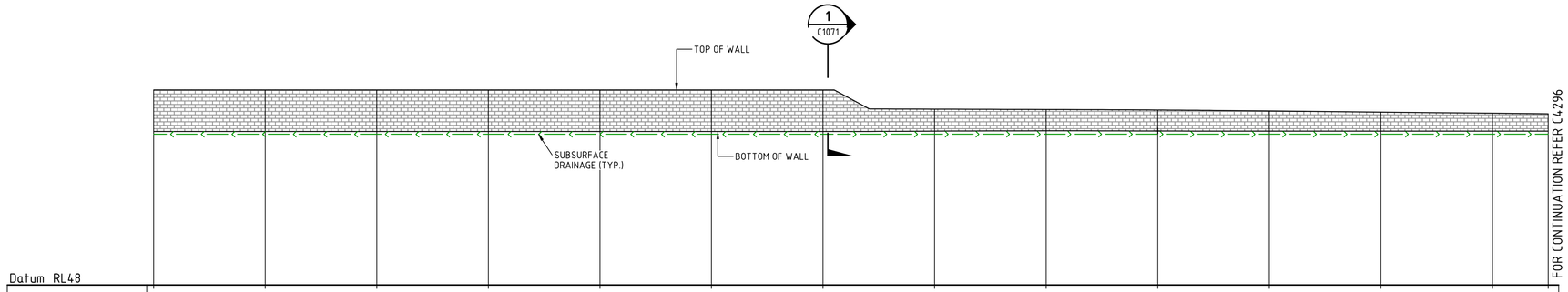
Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
RETAINING WALL PROFILES
SHEET 5 OF 7

Drawing No.	Project No.	Issue
15-272-C1075	15-272	A5

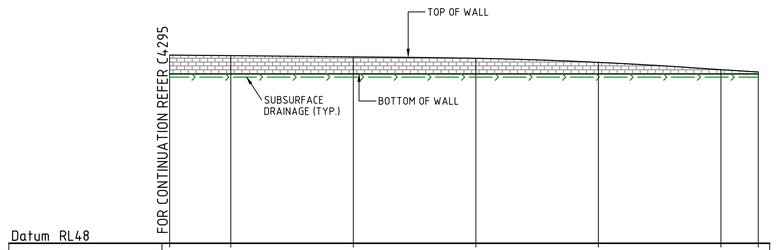


Datum RL48

BOTTOM OF RETAINING WALL	75.550	75.550	75.550	75.550	75.550	75.550	75.550	75.607	75.663	75.629	75.615	75.614	75.613	75.613
TOP OF RETAINING WALL	76.91	83	83	83	83	83	83	79.554	79.485	79.404	79.219	79.019	78.819	78.719
HEIGHT OF RETAINING WALL	1.360	7.450	7.450	7.450	7.450	7.450	7.450	3.947	3.822	3.775	3.603	3.404	3.206	3.106
CHAINAGE	0.000	20.000	40.000	60.000	80.000	100.000	120.000	140.000	160.000	180.000	200.000	220.000	240.000	250.000

RETAINING WALL RW12 PROFILE

SCALE 1:500 HORI.
1:500 VERT.



Datum RL48

BOTTOM OF RETAINING WALL	75.613	75.613	75.613	75.613	75.613	75.613	75.613
TOP OF RETAINING WALL	78.719	78.619	78.419	78.186	77.523	76.328	75.957
HEIGHT OF RETAINING WALL	3.106	3.006	2.806	2.573	1.909	0.715	0.344
CHAINAGE	250.000	260.000	280.000	300.000	320.000	340.000	346.089

RETAINING WALL RW12 PROFILE

SCALE 1:500 HORI.
1:500 VERT.

Bar Scales

0 10 20 30 40

1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status
MOD 1 APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Scales	1 : 500	15-272-C1076.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client
Goodman

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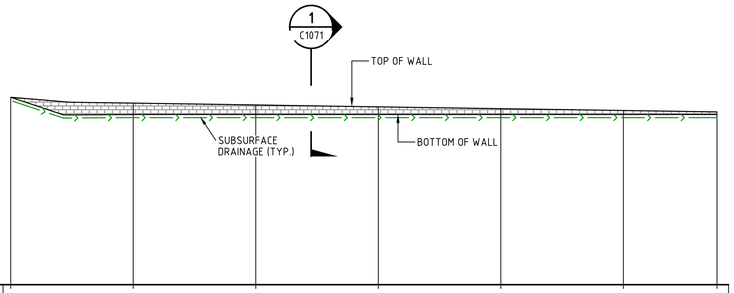
Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
RETAINING WALL PROFILES
SHEET 6 OF 7

Drawing No.	Project No.	Issue
15-272-C1076	15-272	A5

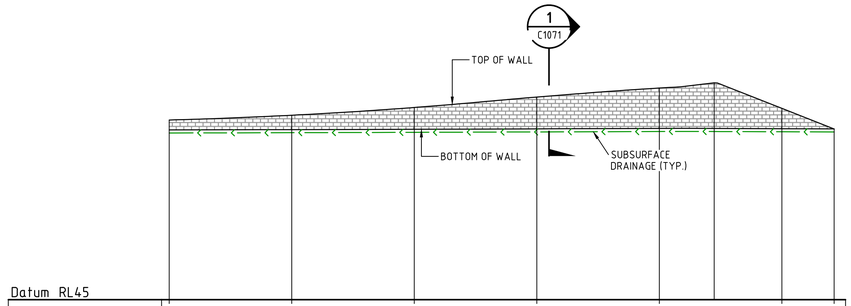


Datum RL40

BOTTOM OF RETAINING WALL	75.580	72.763	72.770	72.770	72.770	72.765	72.760
TOP OF RETAINING WALL	75.58	74.626	74.326	74.026	73.726	73.426	73.197
HEIGHT OF RETAINING WALL	0.000	1.863	1.556	1.256	0.956	0.661	0.437
CHAINAGE	0.000	20.000	40.000	60.000	80.000	100.000	115.281

RETAINING WALL RW13 PROFILE

SCALE 1:500 HORI.
1:500 VERT.

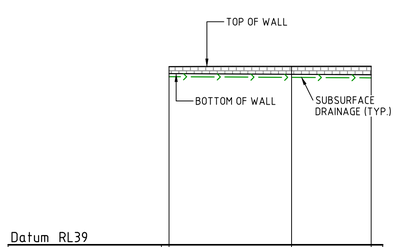


Datum RL45

BOTTOM OF RETAINING WALL	72.706	72.758	72.816	72.881	72.950	72.908	72.875
TOP OF RETAINING WALL	74.329	75.105	76.37	78.071	79.541	76.224	72.86
HEIGHT OF RETAINING WALL	1.623	2.347	3.554	5.191	6.591	3.316	-0.015
CHAINAGE	0.000	20.000	40.000	60.000	80.000	100.000	108.534

RETAINING WALL RW14 PROFILE

SCALE 1:500 HORI.
1:500 VERT.

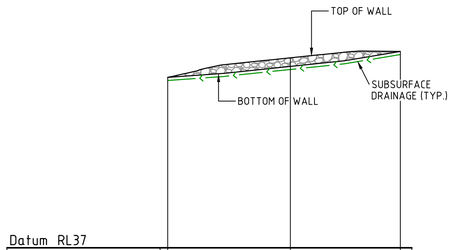


Datum RL39

BOTTOM OF RETAINING WALL	66.926	66.813	66.739
TOP OF RETAINING WALL	68.073	68.106	68.143
HEIGHT OF RETAINING WALL	1.146	1.294	1.404
CHAINAGE	0.000	20.000	33.000

RETAINING WALL RW15 PROFILE

SCALE 1:500 HORI.
1:500 VERT.

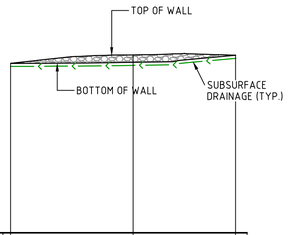


Datum RL37

BOTTOM OF RETAINING WALL	64.800	66.590	69.022
TOP OF RETAINING WALL	64.8	67.99	69.022
HEIGHT OF RETAINING WALL	0.000	1.400	0.000
CHAINAGE	0.000	20.000	37.956

RETAINING WALL RW17 PROFILE

SCALE 1:500 HORI.
1:500 VERT.



Datum RL28

BOTTOM OF RETAINING WALL	55.642	55.814	56.968
TOP OF RETAINING WALL	55.642	57.023	56.968
HEIGHT OF RETAINING WALL	0.000	1.209	0.000
CHAINAGE	0.000	20.000	36.716

RETAINING WALL RW18 PROFILE

SCALE 1:500 HORI.
1:500 VERT.

Bar Scales

0 10 20 30 40

1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
A4	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A3	ISSUED FOR INFORMATION MOD 1	07-06-19
A2	ISSUED FOR SSD APPROVAL	21-09-18
A1	ISSUED FOR SSD APPROVAL	04-05-18

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Status: MOD 1 APPROVAL
NOT TO BE USED FOR CONSTRUCTION — A1

Scales	1 : 500	15-272-C1077.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

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Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
RETAINING WALL PROFILES
SHEET 7 OF 7

Drawing No.	Project No.	Issue
15-272-C1077	15-272	A4

100mm on Original

WATER NSW PIPELINE

EXISTING AGED CARE FACILITY

EMMAUS CATHOLIC COLLAGE

BIO-RETENTION BASIN No.2

BIO-RETENTION BASIN No.3

LOT 2 DP556036

LOT 2B

LOT 2A

LOT 3B

LOT 3A

LOT 2E

ROAD No.4

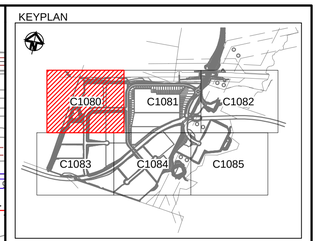
ROAD No.3

ROAD No.3

BASIN No.3 OUTLET SWALE

CONCRETE ACCESS ROAD

KEYPLAN



SERVICES LEGEND

	PROPOSED	EXISTING
HIGH VOLTAGE ELECTRICITY	HV	hv
LOW VOLTAGE ELECTRICITY	LV	lv
ELECTRICITY	E	e
ELECTRICITY OVERHEAD		
TELSTRA CONDUITS	T	t
SEWER SERVICE	S	s
WATER SERVICE	W	w
POTABLE WATER SERVICE	PW	pw
GAS SERVICE	G	g
STORMWATER		sw
DISUSED SERVICE		
SEWER MANHOLE		
LIGHT POLE		
POWER POLE		
TELSTRA PIT		

Bar Scales

0 20 40 60 80

1 : 1000 @ A1 1 : 2000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
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A1

Scales	1 : 1000	15-272-C1080.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

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Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
STAGE 1
SERVICES AND UTILITIES COORDINATION PLAN
SHEET 1 OF 6

Drawing No.	Project No.	Issue
15-272-C1080	15-272	A5

100mm on Original

WATER NSW PIPELINE

EXISTING Ø300 AUSTRAL LOW PRESSURE GAS LINE TO REMAIN.

EXISTING Ø300 AUSTRAL LOW PRESSURE GAS LINE TO REMAIN. CONTRACTOR TO PROTECT DURING CONSTRUCTION. METHODOLOGY TO BE APPROVED BY SUPERINTENDENT PRIOR TO STARTING WORKS.

EXISTING Ø300 AUSTRAL LOW PRESSURE GAS LINE TO REMAIN.

ROAD No.1

AMENITIES LOT

LOT 1A

LOT 1C

LOT 1B

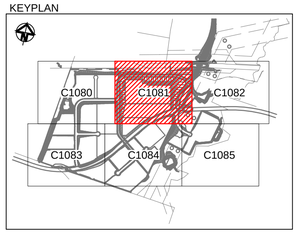
ROAD No.1

FUTURE SOUTHERN LINK ROAD

WESTERN NORTH-SOUTH LINK ROAD

TRANSGRID EASEMENT

KEYPLAN



SERVICES LEGEND

	PROPOSED	EXISTING
HIGH VOLTAGE ELECTRICITY	HV	hv
LOW VOLTAGE ELECTRICITY	LV	lv
ELECTRICITY	E	e
ELECTRICITY OVERHEAD		
TELSTRA CONDUITS	T	t
SEWER SERVICE	S	s
WATER SERVICE	W	w
POTABLE WATER SERVICE	PW	pw
GAS SERVICE	G	g
STORMWATER		sw
DISUSED SERVICE	X	
SEWER MANHOLE		
LIGHT POLE		
POWER POLE		
TELSTRA PIT		

Bar Scales

0 20 40 60 80

1 : 1000 @ A1 1 : 2000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Scales	1 : 1000	15-272-C1081.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

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Tel: 02 9439 1777
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Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
STAGE 1
SERVICES AND UTILITIES COORDINATION PLAN
SHEET 2 OF 6

Drawing No.	Project No.	Issue
15-272-C1081	15-272	A5

100mm on Original

WESTERN NORTH-SOUTH LINK ROAD

TRANSGRID EASEMENT

BIO-RETENTION BASIN No.1

ROPES CREEK

LOT 5A

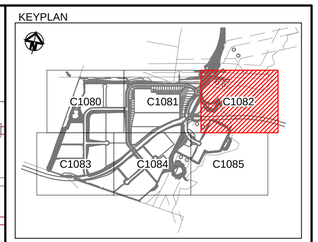
BITUMEN ACCESS ROAD

BITUMEN ABRIBBEE ROAD

CONCRETE ACCESS ROAD

DIRT TRACK

KEYPLAN



SERVICES LEGEND

	PROPOSED	EXISTING
HIGH VOLTAGE ELECTRICITY	HV	hv
LOW VOLTAGE ELECTRICITY	LV	lv
ELECTRICITY	E	e
ELECTRICITY OVERHEAD		
TELSTRA CONDUITS	T	t
SEWER SERVICE	S	s
WATER SERVICE	W	w
POTABLE WATER SERVICE	PW	pw
GAS SERVICE	G	g
STORMWATER		sw
DISUSED SERVICE	X	X
SEWER MANHOLE		
LIGHT POLE		
POWER POLE		
TELSTRA PIT		

Bar Scales

0 20 40 60 80

1 : 1000 @ A1 1 : 2000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
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A1

Scales	1 : 1000	15-272-C1082.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

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Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
STAGE 1
SERVICES AND UTILITIES COORDINATION PLAN
SHEET 3 OF 6

Drawing No.	Project No.	Issue
15-272-C1082	15-272	A5

100mm on Original

Date Plotted: 24 Jul 2019 - 09:43AM File Name: F:\15-272 Oakdale West\Drgs\Civil\Final\SSDA\1000_MOD 1_Infrastructure Package\15-272-C1082.dwg V1

CONTINUED ON SHEET 1

LOT 2E

LOT 3B

LOT 3A

EXISTING COLLEGE

EMMAUS CATHOLIC COLLEGE

FUTURE SEWER CONNECTION SUBJECT TO SYDNEY WATER APPROVAL.

ROAD No.5

LOT 2F & 2G

ROAD No.3

LOT 2
DP556036

LOT 3C

LOT 3D

EXISTING OVERHEAD ELECTRICAL TO BE DECOMMISSIONED. LOCATION TO BE CONFIRMED.

LOT 2H & 2J

BAKERS LANE

FUTURE SOUTHERN LINK ROAD

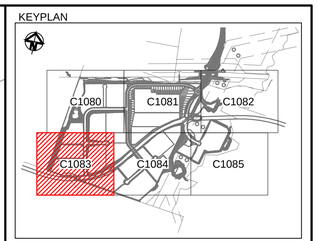
LOT 4A

LOT 44
DP708347

NOTE: SEWER LAYOUT SUBJECT TO DETAILED DESIGN & SWC APPROVAL

CONTINUED ON SHEET 5

KEYPLAN



SERVICES LEGEND

	PROPOSED	EXISTING
HIGH VOLTAGE ELECTRICITY	HV	hv
LOW VOLTAGE ELECTRICITY	LV	lv
ELECTRICITY	E	e
ELECTRICITY OVERHEAD		
TELSTRA CONDUITS	T	t
SEWER SERVICE	S	s
WATER SERVICE	W	w
POTABLE WATER SERVICE	PW	pw
GAS SERVICE	G	g
STORMWATER		sw
DISUSED SERVICE	X	
SEWER MANHOLE		
LIGHT POLE		
POWER POLE		
TELSTRA PIT		

Bar Scales

0 20 40 60 80

1 : 1000 @ A1 1 : 2000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Scales	1 : 1000	15-272-C1083.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

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Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
STAGE 1
SERVICES AND UTILITIES COORDINATION PLAN
SHEET 4 OF 6

Drawing No.	Project No.	Issue
15-272-C1083	15-272	A5

100mm on Original

Date Plotted: 24 Jul 2019 - 09:44AM File Name: F:\15-272 Oakdale West\Drgs\Civil\Final\SSDA\1000_MOD 1_Infrastructure Package\15-272-C1083.dwg V1

LOT 3A

LOT 1C

ROAD No.1

FUTURE SOUTHERN LINK ROAD

LOT 4D

LOT 4C

LOT 3C

SERVICES LOT

ROAD No.6

ROAD No.7

LOT 4B

LOT 4F & 4G

BIO-RETENTION BASIN No.4

LOT 4A

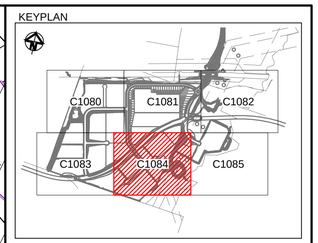
ROAD No.7

TRANSGRID EASEMENT

ROPES CREEK

LOT 4E

KEYPLAN



SERVICES LEGEND

	PROPOSED	EXISTING
HIGH VOLTAGE ELECTRICITY	HV	hv
LOW VOLTAGE ELECTRICITY	LV	lv
ELECTRICITY	E	e
ELECTRICITY OVERHEAD		
TELSTRA CONDUITS	T	t
SEWER SERVICE	S	s
WATER SERVICE	W	w
POTABLE WATER SERVICE	PW	pw
GAS SERVICE	G	g
STORMWATER		sw
DISUSED SERVICE	X	
SEWER MANHOLE		
LIGHT POLE		
POWER POLE		
TELSTRA PIT		

Bar Scales

0 20 40 60 80

1 : 1000 @ A1 1 : 2000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
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Scales	1 : 1000	15-272-C1084.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

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Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
STAGE 1
SERVICES AND UTILITIES COORDINATION PLAN
SHEET 5 OF 6

Drawing No.	Project No.	Issue
15-272-C1084	15-272	A5

100mm on Original

Date Plotted: 24 Jul 2019 - 09:44AM File Name: F:\15-272 Oakdale West\Drgs\Civil\Final\SSDA\1000_MOD 1_Infrastructure Package\15-272-C1084.dwg V1

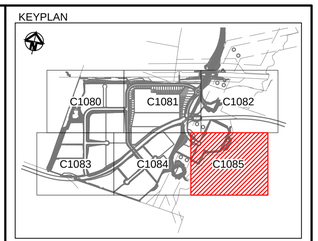
FUTURE ROAD No.8

BIO-RETENTION BASIN No.5

ROPES CREEK

LOT 12
DP1173181

KEYPLAN



SERVICES LEGEND

	PROPOSED	EXISTING
HIGH VOLTAGE ELECTRICITY	HV	hv
LOW VOLTAGE ELECTRICITY	LV	lv
ELECTRICITY	E	e
ELECTRICITY OVERHEAD		
TELSTRA CONDUITS	T	t
SEWER SERVICE	S	s
WATER SERVICE	W	w
POTABLE WATER SERVICE	PW	pw
GAS SERVICE	G	g
STORMWATER		sw
DISUSED SERVICE	X	
SEWER MANHOLE		
LIGHT POLE		
POWER POLE		
TELSTRA PIT		

Bar Scales

0 20 40 60 80

1 : 1000 @ A1 1 : 2000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
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A1

Scales	1 : 1000	15-272-C1085.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

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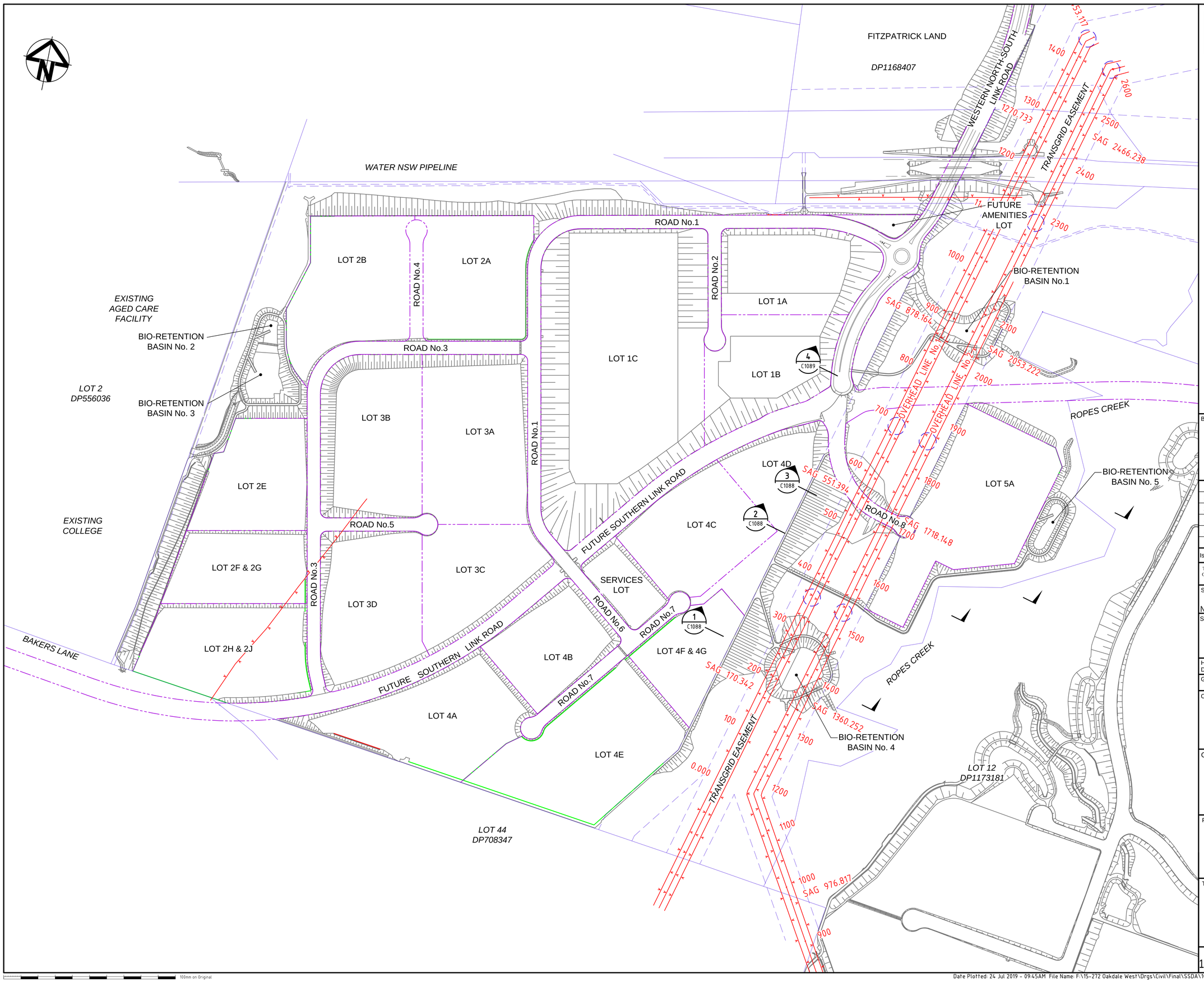
Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
STAGE 1
SERVICES AND UTILITIES COORDINATION PLAN
SHEET 6 OF 6

Drawing No.	Project No.	Issue
15-272-C1085	15-272	A5

100mm on Original

Date Plotted: 24 Jul 2019 - 09:45AM File Name: F:\15-272 Oakdale West\Drgs\Civil\Final\SSDA\1000_MOD 1_Infrastructure Package\15-272-C1085.dwg V1



LEGEND

EXISTING ELECTRICITY OVERHEAD

Bar Scales

0 50 100 150 200 250

1 : 3000 @ A1

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
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A1

Scales	1 : 3000	15-272-C1086.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

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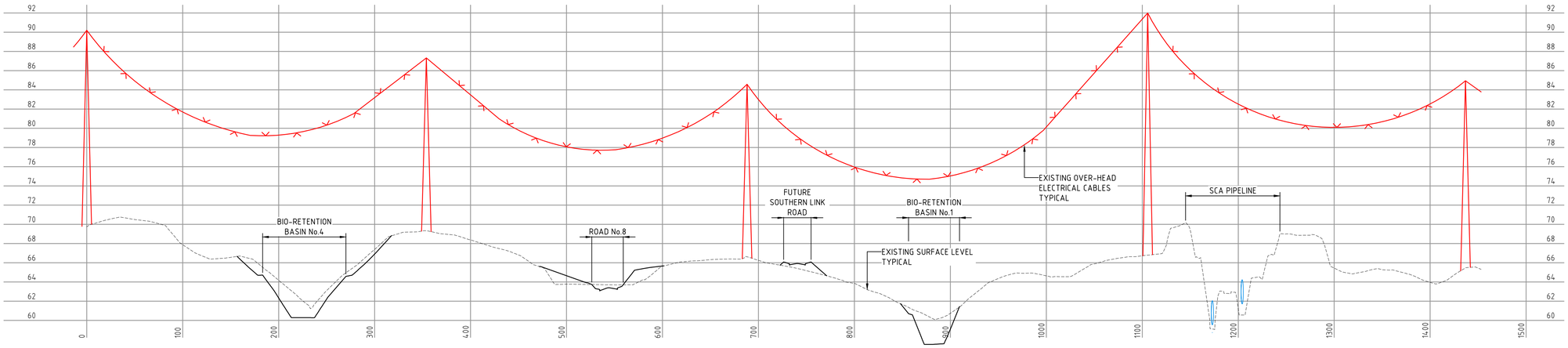
Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
EXISTING TRANSGRID OVERHEAD ELECTRICAL CABLES PLAN

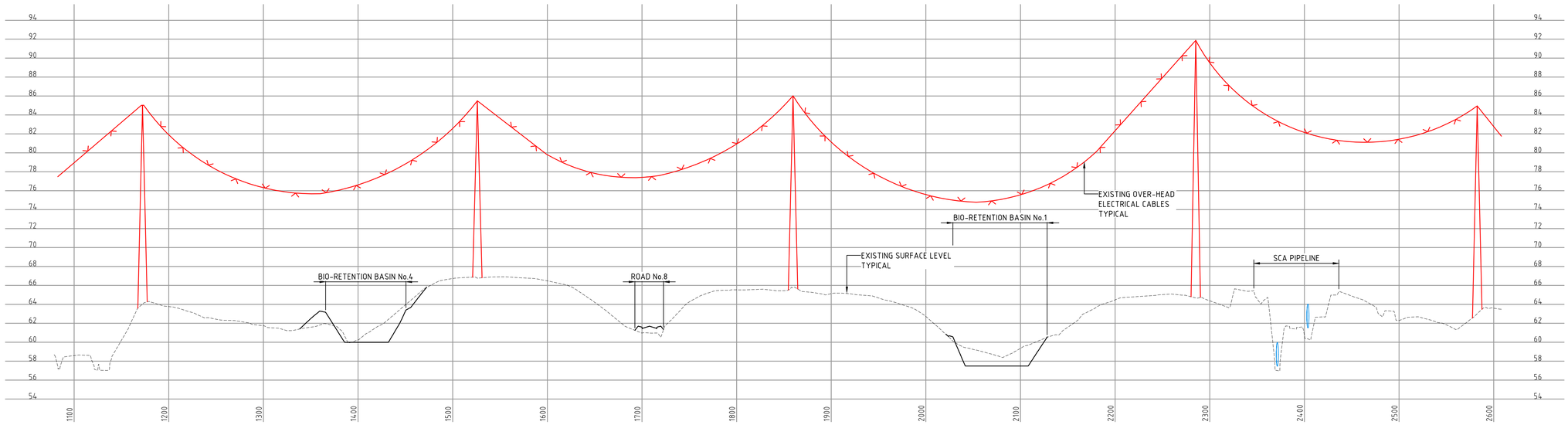
Drawing No.	Project No.	Issue
15-272-C1086	15-272	A5

100mm on Original



TRANSGRID OVERHEAD CABLE LINE No.1
LONGITUDINAL SECTION

1 : 250 VER
1 : 2500 HOR



TRANSGRID OVERHEAD CABLE LINE No.2
LONGITUDINAL SECTION

1 : 250 VER
1 : 2500 HOR

Bar Scales

0 5 10 15 20
1 : 250 @ A1 1 : 500 @ A3

0 50 100 150 200
1 : 2500 @ A1 1 : 5000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Scales	AS SHOWN	15-272-C1087.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

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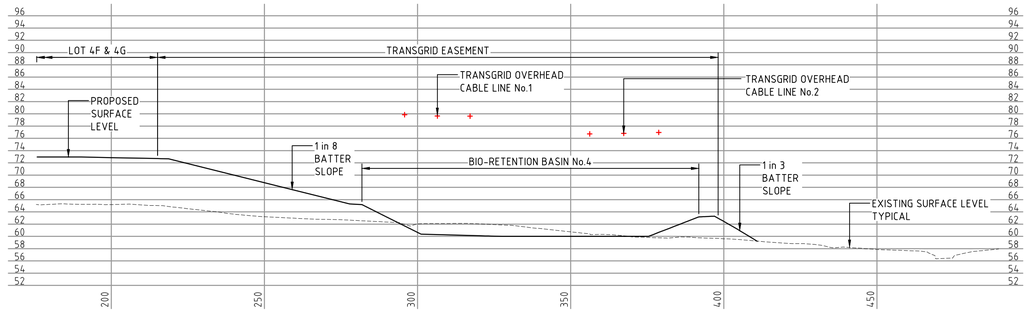
Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

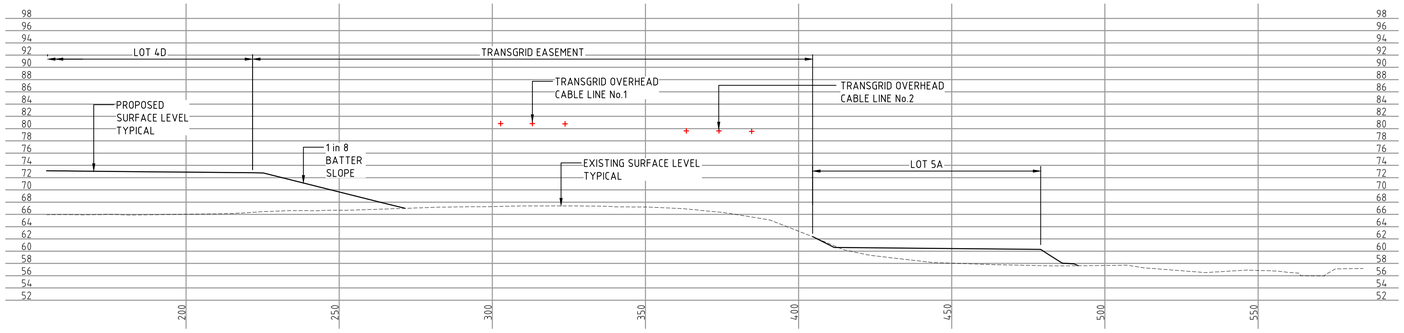
Title
EXISTING TRANSGRID OVERHEAD ELECTRICAL CABLES LONGITUDINAL SECTIONS

Drawing No.	Project No.	Issue
15-272-C1087	15-272	A5



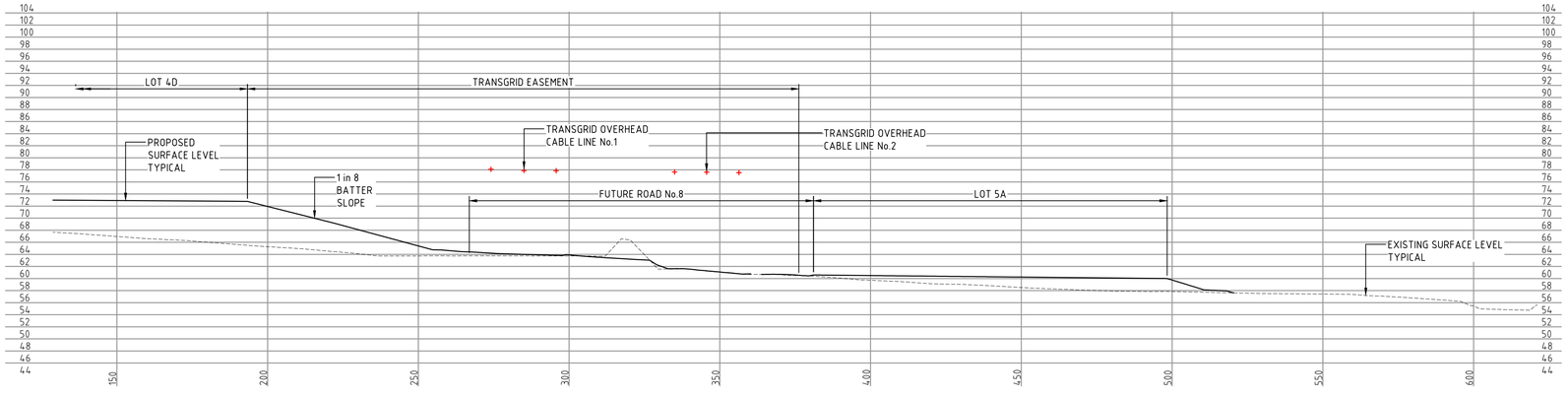
TYPICAL SECTIONAL ALONG CABLE LINE No.1 AT CH220

SECTION 1 (C1087)
1 : 500 VER
1 : 1000 HOR



TYPICAL SECTIONAL ALONG CABLE LINE No.1 AT CH420

SECTION 2 (C1087)
1 : 500 VER
1 : 1000 HOR



TYPICAL SECTIONAL ALONG CABLE LINE No.1 AT CH540

SECTION 3 (C1087)
1 : 500 VER
1 : 1000 HOR

Bar Scales

0 10 20 30 40
1 : 500 @ A1 1 : 1000 @ A3

0 20 40 60 80
1 : 1000 @ A1 1 : 2000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Status: MOD 1 APPROVAL
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A1

Scales	AS SHOWN	15-272-C1088.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

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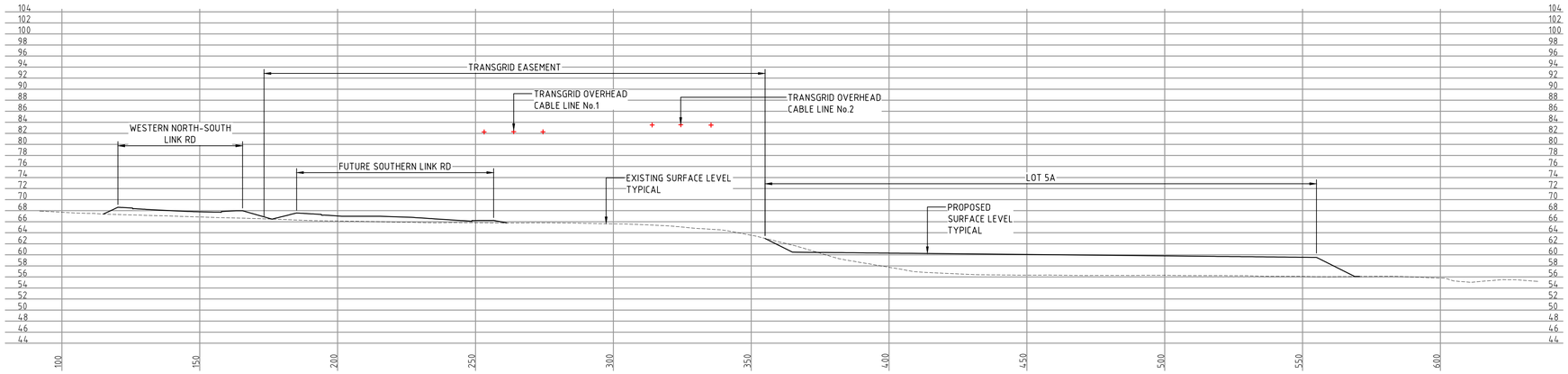
Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
EXISTING TRANSGRID OVERHEAD ELECTRICAL CABLES TYPICAL SECTIONS SHEET 1 OF 2

Drawing No.	Project No.	Issue
15-272-C1088	15-272	A5



TYPICAL SECTIONAL ALONG CABLE LINE No.1 AT CH715

SECTION 4 (C1087)

1 : 500 VER
1 : 1000 HOR

Bar Scales

0 10 20 30 40
1 : 500 @ A1 1 : 1000 @ A3

0 20 40 60 80
1 : 1000 @ A1 1 : 2000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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A1

Scales	AS SHOWN	15-272-C1089.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

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Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
EXISTING TRANSGRID OVERHEAD ELECTRICAL CABLES TYPICAL SECTIONS
SHEET 2 OF 2

Drawing No.	Project No.	Issue
15-272-C1089	15-272	A5

WATER NSW PIPELINE

STRAWBALE AND GEOTEXTILE SEDIMENT FILTER AT 30m SPACING (TYP.)

PROVIDE SWALE DRAIN (TYP.)

ROCK RIFFLE CHECK DAM AT 30m SPACING (TYP.)

PROVIDE MESH AND GRAVEL INLET FILTER (TYP.)

ROAD No.4

LOT 2B

LOT 2A

A5

SEDIMENT BASIN 2A
CATCHMENT AREA = 4.578 Ha
BASIN SURFACE AREA = 1335m²
DEPTH OF SETTLING ZONE = 600mm
SETTLING ZONE VOLUME = 801m³
SEDIMENT STORAGE VOLUME = 401m³
TOTAL BASIN VOLUME = 1202m³

PROVIDE SWALE DRAIN (TYP.)

EXISTING AGED CARE FACILITY

DETENTION BASIN No.2

EMERGENCY OVERFLOW

SEDIMENT BASIN 2B
CATCHMENT AREA = 4.598 Ha
BASIN SURFACE AREA = 1342m²
DEPTH OF SETTLING ZONE = 600mm
SETTLING ZONE VOLUME = 805m³
SEDIMENT STORAGE VOLUME = 402m³
TOTAL BASIN VOLUME = 1207m³

ROAD No.3

STRAWBALE AND GEOTEXTILE SEDIMENT FILTER AT 30m SPACING (TYP.)

PROVIDE SWALE DRAIN (TYP.)

ROCK RIFFLE CHECK DAM AT 30m SPACING (TYP.)

ROAD No.1

LOT 2
DP556036

DETENTION BASIN No.3

EMERGENCY OVERFLOW

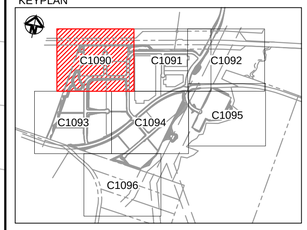
SEDIMENT BASIN 3B
CATCHMENT AREA = 3.785 Ha
BASIN SURFACE AREA = 1103m²
DEPTH OF SETTLING ZONE = 600mm
SETTLING ZONE VOLUME = 662m³
SEDIMENT STORAGE VOLUME = 331m³
TOTAL BASIN VOLUME = 993m³

LOT 3B

LOT 3A

EMERGENCY OVERFLOW

KEYPLAN



LEGEND

- SEDIMENT FENCE (SD 6-8)
- CATCH DRAIN
- BARRIER FENCE
- STRAW BALE FILTER (SD 6-7)
- MESH AND GRAVEL INLET FILTER (SD 6-11)
- ROCK RIFFLE CHECK DAM
- GEOTEXTILE INLET (SD 6-12)
- STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA (SD 6-14)
- PROPOSED SITE ACCESS GATE

Bar Scales

0 20 40 60 80

1 : 1000 @ A1 1 : 2000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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A1

Scales	1 : 1000	15-272-C1090.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

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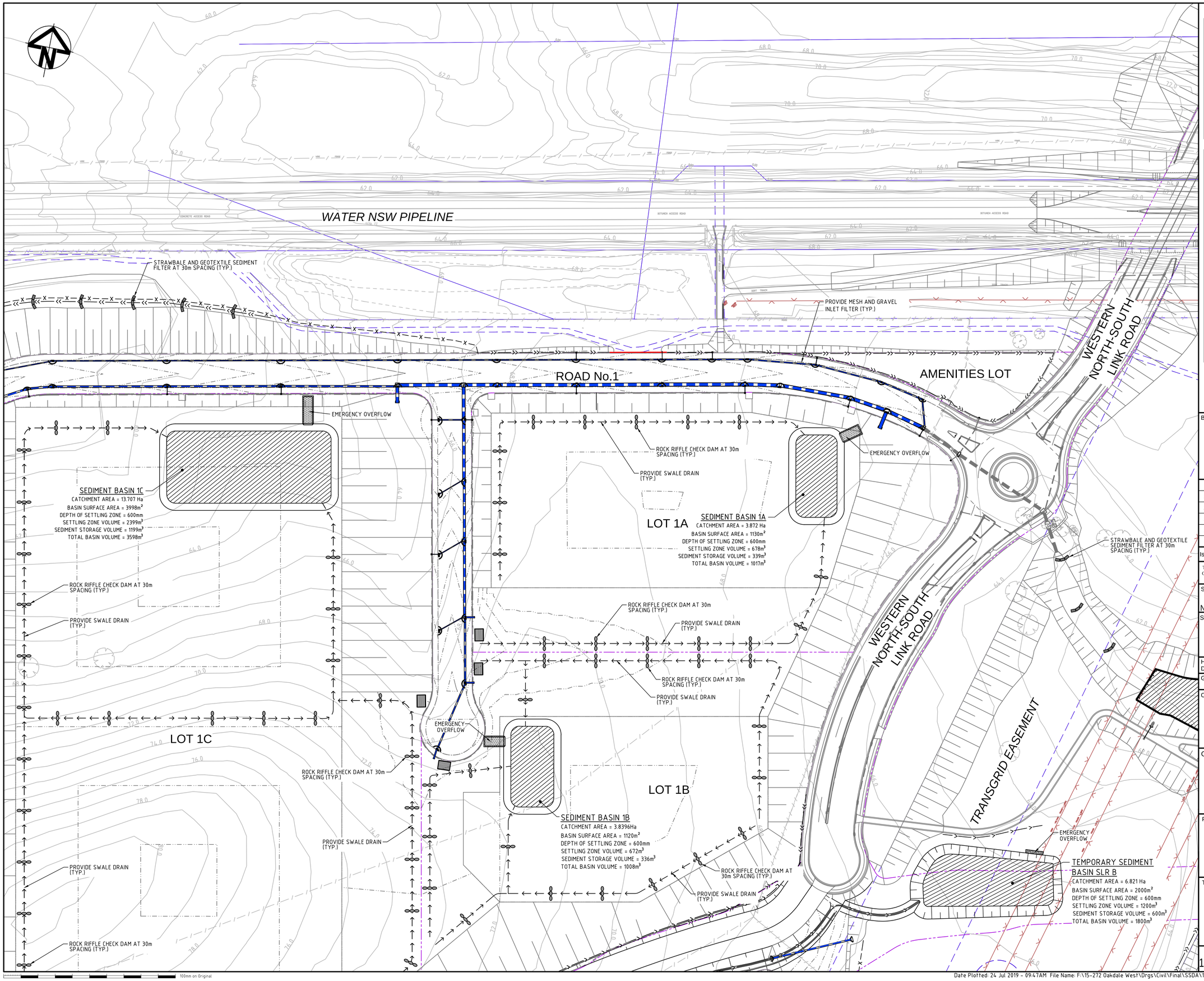
Project: PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

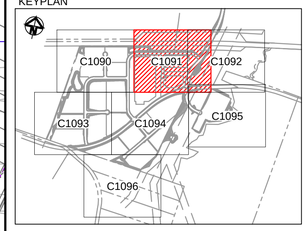
Title: EROSION AND SEDIMENT CONTROL PLAN SHEET 1 OF 7

Drawing No.	Project No.	Issue
15-272-C1090	15-272	A5

100mm on Original



KEYPLAN



LEGEND

- SEDIMENT FENCE (SD 6-8)
- CATCH DRAIN
- BARRIER FENCE
- STRAW BALE FILTER (SD 6-7)
- MESH AND GRAVEL INLET FILTER (SD 6-11)
- ROCK RIFFLE CHECK DAM
- GEOTEXTILE INLET (SD 6-12)
- STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA (SD 6-14)
- PROPOSED SITE ACCESS GATE

Bar Scales

0 20 40 60 80

1 : 1000 @ A1 1 : 2000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
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A1	ISSUED FOR SSD APPROVAL	14-03-17

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A1

Scales	1 : 1000	15-272-C1091.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
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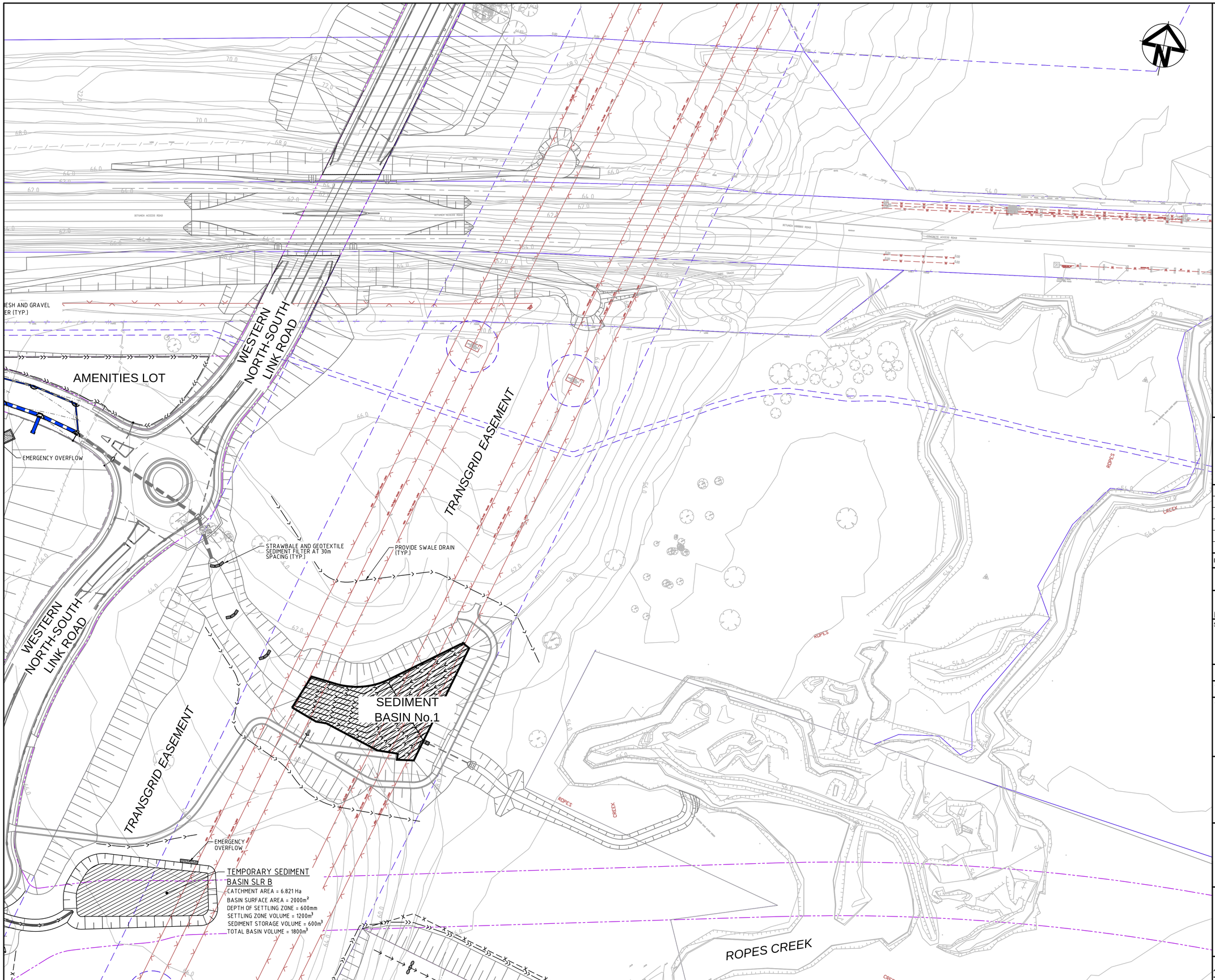
Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
EROSION AND SEDIMENT CONTROL PLAN
SHEET 2 OF 7

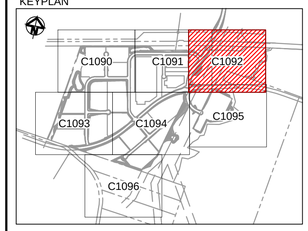
Drawing No.	Project No.	Issue
15-272-C1091	15-272	A5

100mm on Original

Date Plotted: 24 Jul 2019 - 09:47AM File Name: F:\15-272 Oakdale West\Drgs\Civil\Final\SSDA\1000_MOD 1_Infrastructure Package\15-272-C1091.dwg V1



KEYPLAN



LEGEND

- SEDIMENT FENCE (SD 6-8)
- CATCH DRAIN
- BARRIER FENCE
- STRAW BALE FILTER (SD 6-7)
- MESH AND GRAVEL INLET FILTER (SD 6-11)
- ROCK RIFFLE CHECK DAM
- GEOTEXTILE INLET (SD 6-12)
- STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA (SD 6-14)
- PROPOSED SITE ACCESS GATE

Bar Scales

0 20 40 60 80

1 : 1000 @ A1 1 : 2000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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Scales	1 : 1000	15-272-C1092.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client: Goodman

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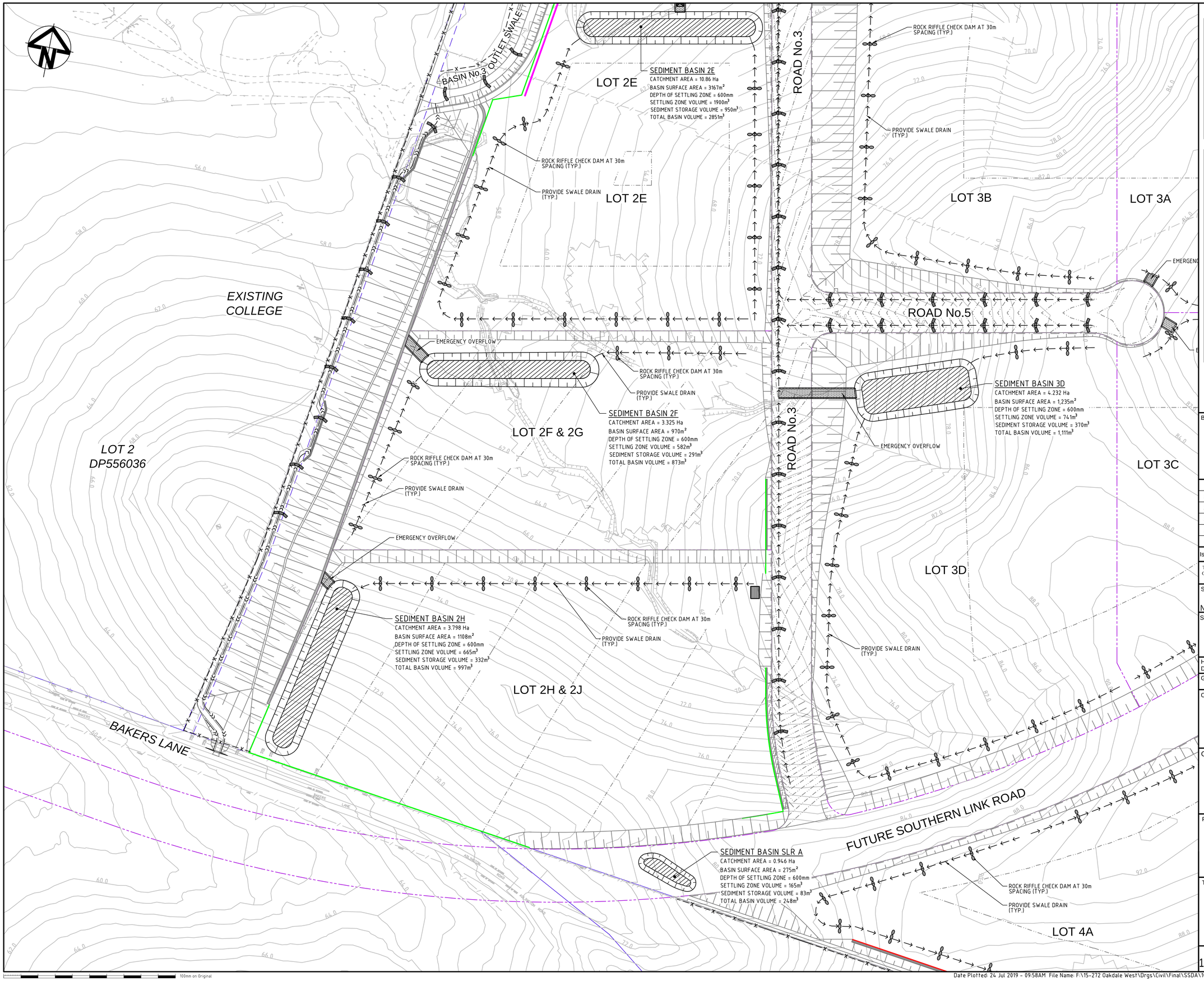
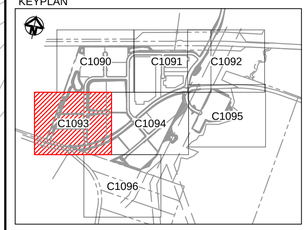
Project: PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title: EROSION AND SEDIMENT CONTROL PLAN SHEET 3 OF 7

Drawing No.	Project No.	Issue
15-272-C1092	15-272	A5



KEYPLAN



LEGEND

- SEDIMENT FENCE (SD 6-8)
- CATCH DRAIN
- BARRIER FENCE
- STRAW BALE FILTER (SD 6-7)
- MESH AND GRAVEL INLET FILTER (SD 6-11)
- ROCK RIFFLE CHECK DAM
- GEOTEXTILE INLET (SD 6-12)
- STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA (SD 6-14)
- PROPOSED SITE ACCESS GATE

Bar Scales

0 20 40 60 80

1 : 1000 @ A1 1 : 2000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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A1

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Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
EROSION AND SEDIMENT CONTROL PLAN
SHEET 4 OF 7

Drawing No.	Project No.	Issue
15-272-C1093	15-272	A5

100mm on Original

FUTURE SOUTHERN LINK ROAD

PROVIDE SWALE DRAIN (TYP.)

ROCK RIFFLE CHECK DAM AT 30m SPACING (TYP.)

EMERGENCY OVERFLOW

LOT 1C

LOT 3A

PROVIDE MESH AND GRAVEL INLET FILTER (TYP.)

SEDIMENT BASIN 3A
CATCHMENT AREA = 4.951 Ha
BASIN SURFACE AREA = 1443m²
DEPTH OF SETTLING ZONE = 600mm
SETTLING ZONE VOLUME = 866m³
SEDIMENT STORAGE VOLUME = 433m³
TOTAL BASIN VOLUME = 1299m³

ROAD No.1

FUTURE SOUTHERN LINK ROAD

SEDIMENT BASIN 4Da
CATCHMENT AREA = 1.889 Ha
BASIN SURFACE AREA = 552m²
DEPTH OF SETTLING ZONE = 600mm
SETTLING ZONE VOLUME = 331m³
SEDIMENT STORAGE VOLUME = 165m³
TOTAL BASIN VOLUME = 496m³

LOT 4D

LOT 4C

SEDIMENT BASIN 3C
CATCHMENT AREA = 3.498 Ha
BASIN SURFACE AREA = 1020m²
DEPTH OF SETTLING ZONE = 600mm
SETTLING ZONE VOLUME = 612m³
SEDIMENT STORAGE VOLUME = 306m³
TOTAL BASIN VOLUME = 918m³

LOT 3C

SERVICES LOT

SEDIMENT BASIN 4C
CATCHMENT AREA = 3.840 Ha
BASIN SURFACE AREA = 1120m²
DEPTH OF SETTLING ZONE = 600mm
SETTLING ZONE VOLUME = 672m³
SEDIMENT STORAGE VOLUME = 336m³
TOTAL BASIN VOLUME = 1008m³

SEDIMENT BASIN SERVICES LOT
CATCHMENT AREA = 1.018 Ha
BASIN SURFACE AREA = 297m²
DEPTH OF SETTLING ZONE = 600mm
SETTLING ZONE VOLUME = 178m³
SEDIMENT STORAGE VOLUME = 89m³
TOTAL BASIN VOLUME = 267m³

ROAD No.6

ROAD No.7

SEDIMENT BASIN 4Db
CATCHMENT AREA = 0.720 Ha
BASIN SURFACE AREA = 210m²
DEPTH OF SETTLING ZONE = 600mm
SETTLING ZONE VOLUME = 126m³
SEDIMENT STORAGE VOLUME = 63m³
TOTAL BASIN VOLUME = 189m³

SEDIMENT BASIN 4B
CATCHMENT AREA = 2.744 Ha
BASIN SURFACE AREA = 800m²
DEPTH OF SETTLING ZONE = 600mm
SETTLING ZONE VOLUME = 480m³
SEDIMENT STORAGE VOLUME = 240m³
TOTAL BASIN VOLUME = 720m³

LOT 4B

SEDIMENT BASIN ROAD 07
CATCHMENT AREA = 0.555 Ha
BASIN SURFACE AREA = 162m²
DEPTH OF SETTLING ZONE = 600mm
SETTLING ZONE VOLUME = 97m³
SEDIMENT STORAGE VOLUME = 49m³
TOTAL BASIN VOLUME = 146m³

LOT 4F & 4G

SEDIMENT BASIN 4F&4G
CATCHMENT AREA = 2.497Ha
BASIN SURFACE AREA = 728m²
DEPTH OF SETTLING ZONE = 600mm
SETTLING ZONE VOLUME = 437m³
SEDIMENT STORAGE VOLUME = 218m³
TOTAL BASIN VOLUME = 656m³

SEDIMENT BASIN No.4

LOT 4A

SEDIMENT BASIN 4E
CATCHMENT AREA = 5.485 Ha
BASIN SURFACE AREA = 1600m²
DEPTH OF SETTLING ZONE = 600mm
SETTLING ZONE VOLUME = 960m³
SEDIMENT STORAGE VOLUME = 480m³
TOTAL BASIN VOLUME = 1440m³

ROCK RIFFLE CHECK DAM AT 30m SPACING (TYP.)

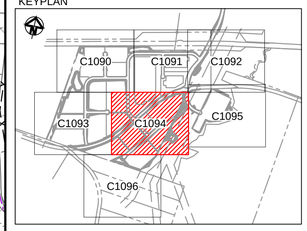
PROVIDE SWALE DRAIN (TYP.)

STRAWBALE AND GEOTEXTILE SEDIMENT FILTER AT 30m SPACING (TYP.)

ENSGRID EASEMENT

ROPES CREEK

KEYPLAN



LEGEND

- SEDIMENT FENCE (SD 6-8)
- CATCH DRAIN
- BARRIER FENCE
- STRAW BALE FILTER (SD 6-7)
- MESH AND GRAVEL INLET FILTER (SD 6-11)
- ROCK RIFFLE CHECK DAM
- GEOTEXTILE INLET (SD 6-12)
- STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA (SD 6-14)
- PROPOSED SITE ACCESS GATE

Bar Scales

0 20 40 60 80

1 : 1000 @ A1 1 : 2000 @ A3

A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17
Issue	Description	Date

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A1

Scales	1 : 1000	15-272-C1094.dwg	
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Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
EROSION AND SEDIMENT CONTROL PLAN
SHEET 5 OF 7

Drawing No.	Project No.	Issue
15-272-C1094	15-272	A5

100mm on Original

WESTERN NORTH-SOUTH LINK ROAD

TRANSGRID EASEMENT

SEDIMENT BASIN No.1

EMERGENCY OVERFLOW

TEMPORARY SEDIMENT BASIN SLR B

CATCHMENT AREA = 6.821 Ha
BASIN SURFACE AREA = 2000m²
DEPTH OF SETTLING ZONE = 600mm
SETTLING ZONE VOLUME = 1200m³
SEDIMENT STORAGE VOLUME = 600m³
TOTAL BASIN VOLUME = 1800m³

ROPES CREEK

LOT 5A

ROCK RIFFLE CHECK DAM AT 30m SPACING (TYP.)

PROVIDE SWALE DRAIN (TYP.)

SEDIMENT BASIN 5A

CATCHMENT AREA = 6.887 Ha
BASIN SURFACE AREA = 2008m²
DEPTH OF SETTLING ZONE = 600mm
SETTLING ZONE VOLUME = 1205m³
SEDIMENT STORAGE VOLUME = 603m³
TOTAL BASIN VOLUME = 1808m³

EMERGENCY OVERFLOW

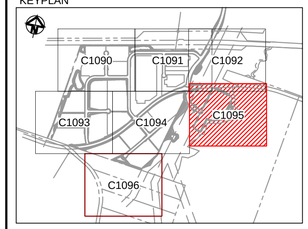
SEDIMENT BASIN No.5

STRAWBALE AND GEOTEXTILE SEDIMENT FILTER AT 30m SPACING (TYP.)

FUTURE ROAD No.8

ROPES CREEK

KEYPLAN



LEGEND

- SEDIMENT FENCE (SD 6-8)
- CATCH DRAIN
- BARRIER FENCE
- STRAW BALE FILTER (SD 6-7)
- MESH AND GRAVEL INLET FILTER (SD 6-11)
- ROCK RIFFLE CHECK DAM
- GEOTEXTILE INLET (SD 6-12)
- STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA (SD 6-14)
- PROPOSED SITE ACCESS GATE

Bar Scales

0 20 40 60 80

1 : 1000 @ A1 1 : 2000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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A1

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Height Datum	AHD	Checked	AM
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Project: PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title: EROSION AND SEDIMENT CONTROL PLAN SHEET 6 OF 7

Drawing No.	Project No.	Issue
15-272-C1095	15-272	A5

100mm on Original

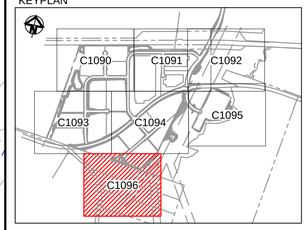
LOT 4E

SEDIMENT BASIN 4A
CATCHMENT AREA = 4.184 Ha
BASIN SURFACE AREA = 1220m²
DEPTH OF SETTLING ZONE = 600mm
SETTLING ZONE VOLUME = 732m³
SEDIMENT STORAGE VOLUME = 366m³
TOTAL BASIN VOLUME = 1098m³

ROCK RIFFLE CHECK DAM AT 30m SPACING (TYP.)

PROVIDE SWALE DRAIN (TYP.)

KEYPLAN



LEGEND

- SEDIMENT FENCE (SD 6-8)
- CATCH DRAIN
- BARRIER FENCE
- STRAW BALE FILTER (SD 6-7)
- MESH AND GRAVEL INLET FILTER (SD 6-11)
- ROCK RIFFLE CHECK DAM
- GEOTEXTILE INLET (SD 6-12)
- STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA (SD 6-14)
- PROPOSED SITE ACCESS GATE

Bar Scales

0 20 40 60 80

1 : 1000 @ A1 1 : 2000 @ A3

Issue	Description	Date
A5	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A4	ISSUED FOR INFORMATION MOD 1	07-06-19
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

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A1

Scales	1 : 1000	15-272-C1096.dwg	
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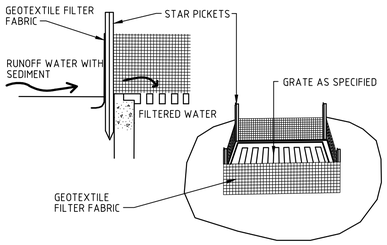
Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title
EROSION AND SEDIMENT CONTROL PLAN
SHEET 7 of 7

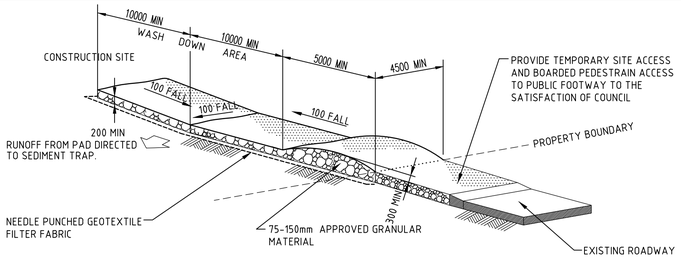
Drawing No.	Project No.	Issue
15-272-C1096	15-272	A5

100mm on Original



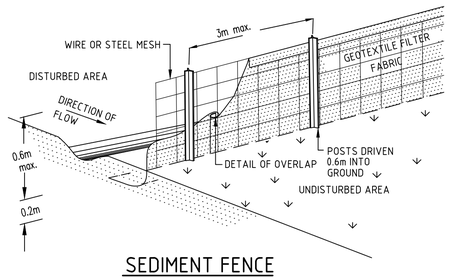
GEOTEXTILE FILTER PIT SURROUND

NTS



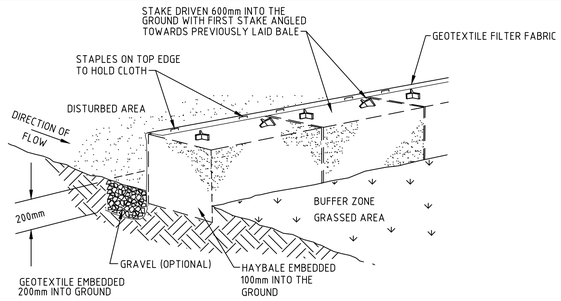
STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA

NTS



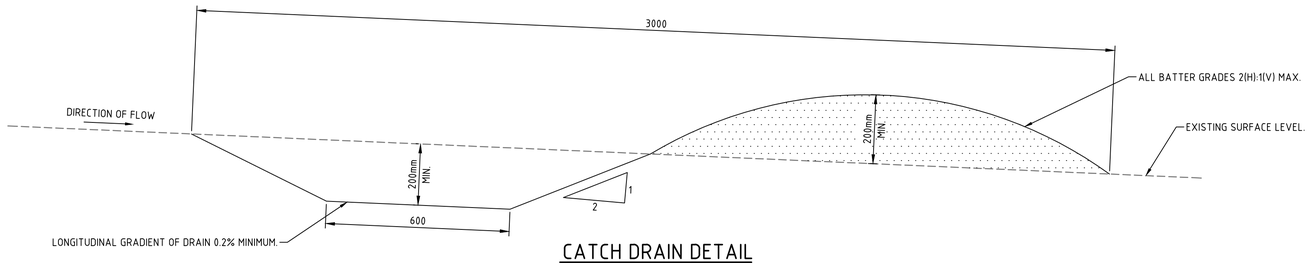
SEDIMENT FENCE

NTS



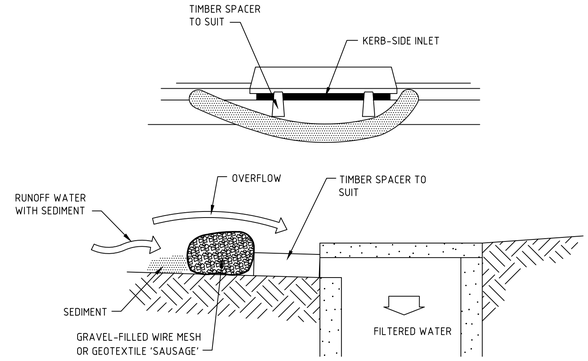
HAYBALE AND GEOTEXTILE SEDIMENT FILTER

NTS



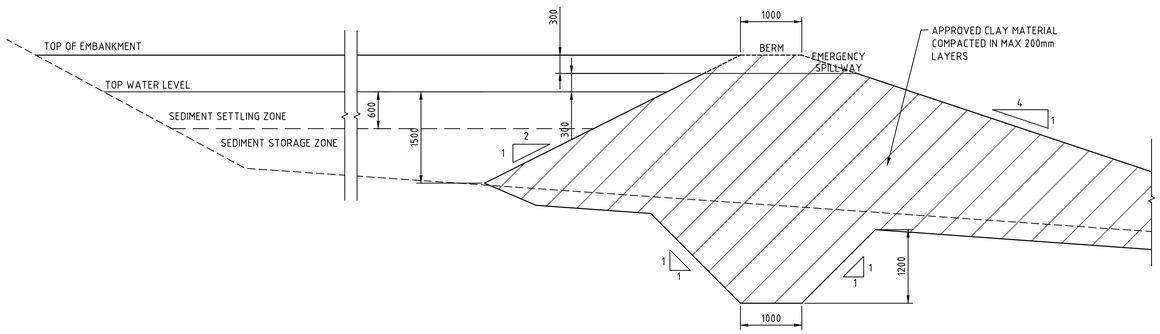
CATCH DRAIN DETAIL

SCALE 1:10



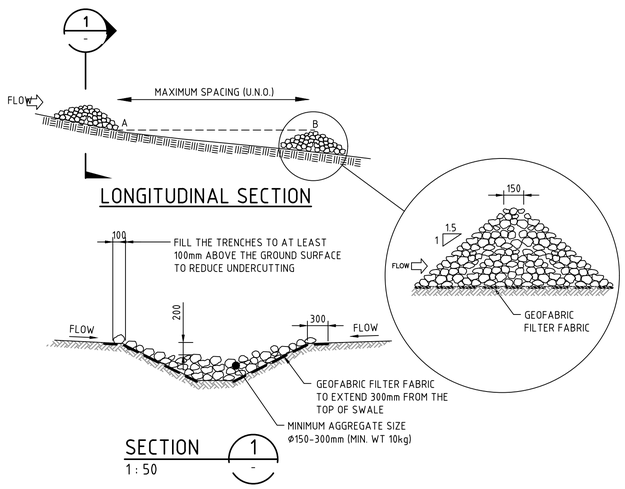
MESH AND GRAVEL INLET FILTER

NTS



SEDIMENT BASIN TYPICAL CROSS SECTION

1 : 50



ROCK RIFFLE CHECK DAM (SD 5-4)

1 : 50

Bar Scales

0 20 40 60 80

1 : 1000 @ A1 1 : 2000 @ A3

Issue	Description	Date
A4	ISSUED FOR SSD APPROVAL MOD 1	24-07-19
A2	ISSUED FOR INFORMATION MOD 1	07-06-19
A1	ISSUED FOR SSD APPROVAL	21-09-18

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A1

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Project: PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title: EROSION AND SEDIMENT CONTROL DETAILS

Drawing No.	Project No.	Issue
15-272-C1097	15-272	A4