

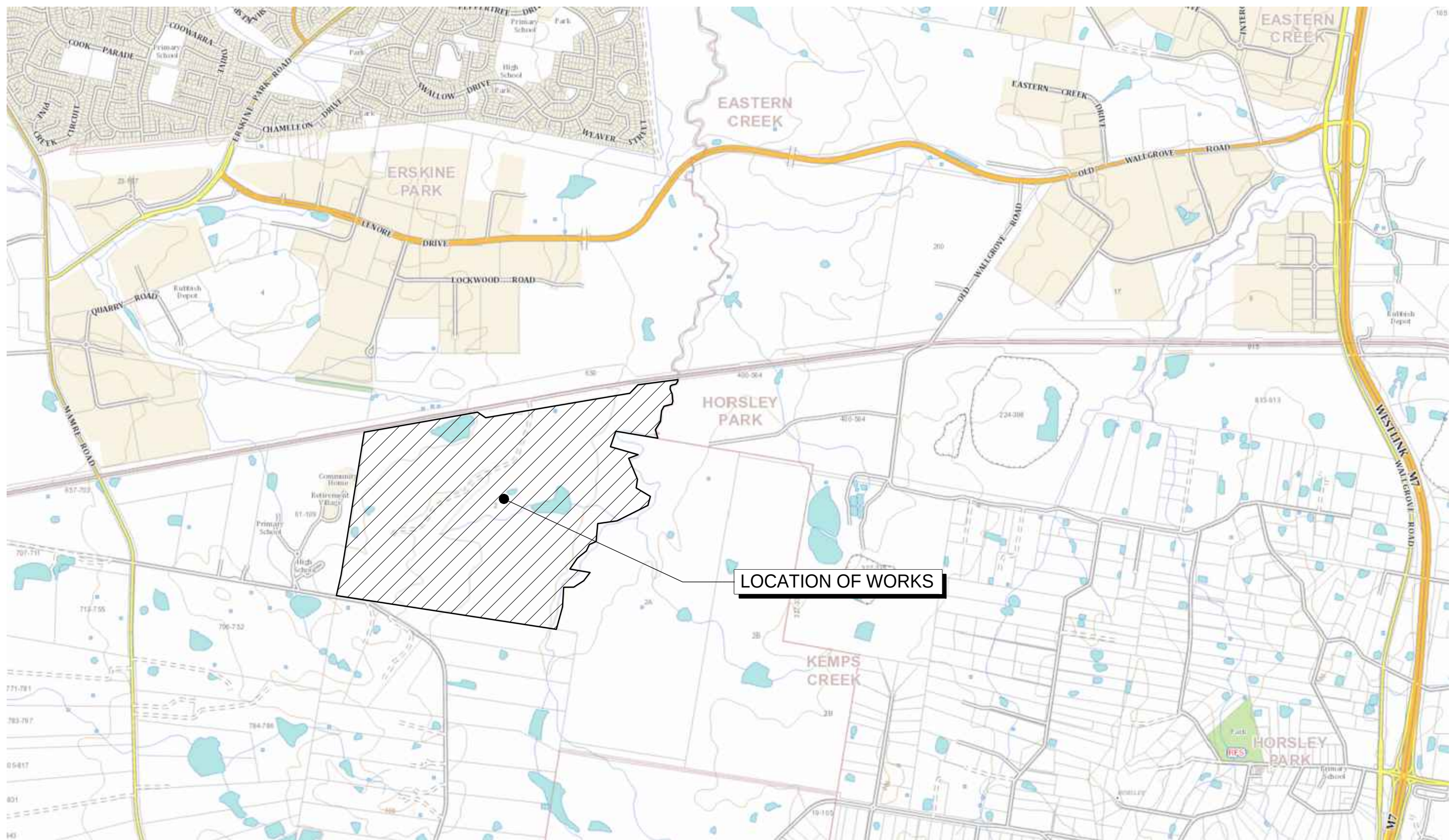
OAKDALE WEST

1000-SERIES INFRASTRUCTURE

CIVIL WORKS PACKAGE

STATE SIGNIFICANT DEVELOPMENT

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

A4	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
-------	-------------	------

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

Scales	15-272-C1000.dwg		
	Drawn	GB	
	Designed	GB	
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM



Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Project

**PROPOSED INDUSTRIAL
DEVELOPMENT
OAKDALE WEST**

Title

COVER SHEET

Drawing No.	Project No.	Issue
15-272-C1000	15-272	A4

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	
15-272-C1007	TYPICAL SITE SECTIONS SHEET 4 OF 6	
15-272-C1008	TYPICAL SITE SECTIONS SHEET 5 OF 6	
15-272-C1009	TYPICAL SITE SECTIONS SHEET 6 OF 6	
15-272-C1010	TYPICAL ROAD SECTIONS	
15-272-C1011	CONTOUR PLAN	
15-272-C1014	BULK EARTHWORKS CUTFILL PLAN	
15-272-C1015	EARTHWORKS AND STORMWATER DRAINAGE PLAN SHEET 1 OF 20	
15-272-C1016	EARTHWORKS AND STORMWATER DRAINAGE PLAN SHEET 2 OF 20	
15-272-C1017	EARTHWORKS AND STORMWATER DRAINAGE PLAN SHEET 3 OF 20	
15-272-C1018	EARTHWORKS AND STORMWATER DRAINAGE PLAN SHEET 4 OF 20	
15-272-C1019	EARTHWORKS AND STORMWATER DRAINAGE PLAN SHEET 5 OF 20	
15-272-C1020	EARTHWORKS AND STORMWATER DRAINAGE PLAN SHEET 6 OF 20	
15-272-C1021	EARTHWORKS AND STORMWATER DRAINAGE PLAN SHEET 7 OF 20	
15-272-C1022	EARTHWORKS AND STORMWATER DRAINAGE PLAN SHEET 8 OF 20	
15-272-C1023	EARTHWORKS AND STORMWATER DRAINAGE PLAN SHEET 9 OF 20	
15-272-C1024	EARTHWORKS AND STORMWATER DRAINAGE PLAN SHEET 10 OF 20	
15-272-C1025	EARTHWORKS AND STORMWATER DRAINAGE PLAN SHEET 11 OF 20	
15-272-C1026	EARTHWORKS AND STORMWATER DRAINAGE PLAN SHEET 12 OF 20	
15-272-C1027	EARTHWORKS AND STORMWATER DRAINAGE PLAN SHEET 13 OF 20	
15-272-C1028	EARTHWORKS AND STORMWATER DRAINAGE PLAN SHEET 14 OF 20	
15-272-C1029	EARTHWORKS AND STORMWATER DRAINAGE PLAN SHEET 15 OF 20	
15-272-C1030	EARTHWORKS AND STORMWATER DRAINAGE PLAN SHEET 16 OF 20	
15-272-C1031	EARTHWORKS AND STORMWATER DRAINAGE PLAN SHEET 17 OF 20	
15-272-C1032	EARTHWORKS AND STORMWATER DRAINAGE PLAN SHEET 18 OF 20	
15-272-C1033	EARTHWORKS AND STORMWATER DRAINAGE PLAN SHEET 19 OF 20	
15-272-C1034	EARTHWORKS AND STORMWATER DRAINAGE PLAN SHEET 20 OF 20	
15-272-C1040	ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 1 OF 10	
15-272-C1041	ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 2 OF 10	
15-272-C1042	ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 3 OF 10	
15-272-C1043	ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 4 OF 10	
15-272-C1044	ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 5 OF 10	
15-272-C1045	ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 6 OF 10	
15-272-C1046	ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 7 OF 10	
15-272-C1047	ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 8 OF 10	
15-272-C1048	ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 9 OF 10	
15-272-C1049	ROADWORKS AND STORMWATER DRAINAGE PLAN SHEET 10 OF 10	
15-272-C1050	ROAD LONGITUDINAL SECTIONS SHEET 1 OF 5	
15-272-C1051	ROAD LONGITUDINAL SECTIONS SHEET 2 OF 5	
15-272-C1052	ROAD LONGITUDINAL SECTIONS SHEET 3 OF 5	
15-272-C1053	ROAD LONGITUDINAL SECTIONS SHEET 4 OF 5	
15-272-C1054	ROAD LONGITUDINAL SECTIONS SHEET 5 OF 5	
15-272-C1058	WESTERN BOUNDARY LAYOUT AND SECTIONS	
15-272-C1059	SOUTHERN BOUNDARY LAYOUT AND SECTIONS	
15-272-C1062	BIO-RETENTION BASIN No.3 DETAIL PLAN SHEET 1 OF 2	
15-272-C1063	BIO-RETENTION BASIN No.3 DETAIL PLAN SHEET 2 OF 2	
15-272-C1064	BIO-RETENTION BASIN No.5 DETAIL PLAN SHEET 1 OF 2	
15-272-C1065	BIO-RETENTION BASIN No.5 DETAIL PLAN SHEET 2 OF 2	
15-272-C1066	BIO-RETENTION BASIN No.6 DETAIL PLAN	
15-272-C1068	STORMWATER DRAINAGE CATCHMENT PLAN (PRE-DEVELOPED)	
15-272-C1069	STORMWATER DRAINAGE CATCHMENT PLAN (POST-DEVELOPED)	
15-272-C1070	RETAINING WALL GENERAL ARRANGEMENT PLAN	
15-272-C1071	RETAINING WALL PROFILES SHEET 1 OF 7	
15-272-C1072	RETAINING WALL PROFILES SHEET 2 OF 7	
15-272-C1073	RETAINING WALL PROFILES SHEET 3 OF 7	
15-272-C1074	RETAINING WALL PROFILES SHEET 4 OF 7	
15-272-C1075	RETAINING WALL PROFILES SHEET 5 OF 7	
15-272-C1076	RETAINING WALL PROFILES SHEET 6 OF 7	
15-272-C1077	RETAINING WALL PROFILES SHEET 7 OF 7	
15-272-C1080	STAGE 1 SERVICES AND UTILITIES COORDINATION PLAN SHEET 1 OF 6	
15-272-C1081	STAGE 1 SERVICES AND UTILITIES COORDINATION PLAN SHEET 2 OF 6	
15-272-C1082	STAGE 1 SERVICES AND UTILITIES COORDINATION PLAN SHEET 3 OF 6	
15-272-C1083	STAGE 1 SERVICES AND UTILITIES COORDINATION PLAN SHEET 4 OF 6	
15-272-C1084	STAGE 1 SERVICES AND UTILITIES COORDINATION PLAN SHEET 5 OF 6	
15-272-C1085	STAGE 1 SERVICES AND UTILITIES COORDINATION PLAN SHEET 6 OF 6	
15-272-C1086	EXISTING TRANSGRID OVERHEAD ELECTRICAL CABLES PLAN	
15-272-C1087	EXISTING TRANSGRID OVERHEAD ELECTRICAL CABLES LONGITUDINAL SECTIONS	
15-272-C1088	EXISTING TRANSGRID OVERHEAD ELECTRICAL CABLES TYPICAL SECTIONS SHEET 1 OF 2	
15-272-C1089	EXISTING TRANSGRID OVERHEAD ELECTRICAL CABLES TYPICAL SECTIONS SHEET 2 OF 2	
15-272-C1090	EROSION AND SEDIMENT CONTROL PLAN SHEET 1 OF 7	
15-272-C1091	EROSION AND SEDIMENT CONTROL PLAN SHEET 2 OF 7	
15-272-C1092	EROSION AND SEDIMENT CONTROL PLAN SHEET 3 OF 7	
15-272-C1093	EROSION AND SEDIMENT CONTROL PLAN SHEET 4 OF 7	
15-272-C1094	EROSION AND SEDIMENT CONTROL PLAN SHEET 5 OF 7	
15-272-C1095	EROSION AND SEDIMENT CONTROL PLAN SHEET 6 OF 7	
15-272-C1096	EROSION AND SEDIMENT CONTROL PLAN SHEET 7 of 7	
15-272-C1097	EROSION AND SEDIMENT CONTROL DETAILS	

100mm on Original

Bar Scales

A4	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
THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L		
Status		A1
FOR APPROVAL		
NOT TO BE USED FOR CONSTRUCTION		
Scales		15-272-C1001.dwg
		Drawn GB
		Designed GB
Height Datum	AHD	Checked AM
Grid	MGA	Approved AM
Client		
Goodman		
Civil Engineers and Project Managers		
at&l Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au		
Project		
PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST		
Title		
DRAWING LIST		
Drawing No.	Project No.	Issue
15-272-C1001	15-272	A4

Date Plotted: 5 Oct 2018 - 04:35PM File Name: F:\15-272 Oakdale West\Drugs\Civil\Final\SSDA\1000_Infrastructure Package\15-272-C1001.dwg

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. 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 50m² 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 50m² 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.



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 1579.

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

NUMBER OF BARS IN GROUP

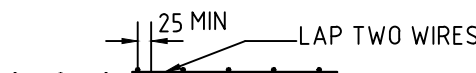
17 N 20 250

NOMINAL BAR SIZE IN mm

SPACING IN mm

THE FIGURE FOLLOWING THE FABRIC SYMBOL SL IS THE
REFERENCE 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 25MPa 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:
100 YEARS MAJOR STORM (OVERLAND FLOW)
120 YEARS MINOR STORM (PIPED NETWORK)
(B) RAINFALL INTENSITIES:
TIME OF CONCENTRATION: 5 MINUTES
100 YEARS- 219 mm/hr
120 YEARS- 167 mm/hr
(C) RUNOFF COEFFICIENTS:
ROOF AREAS: C₁₀₀ =1.0
EXTERNAL PAVEMENTS: C₁₀₀ =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 (1989) 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 CLIMATIC 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.
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 15 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.

FINISHED SURFACE LEVELS

1. ALL FINISHED SURFACE LEVELS ARE ±100mm U.N.O.

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 (PO₄)⁻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 15 IN WATER)
- e) ELECTRICAL CONDUCTIVITY (EC) AS SPECIFIED FOR "NATURAL SOILS AND SOILS BLENDS" AS4419 -12ds/m
- f) DISPENSABILITY - AS SPECIFIED FOR "NATURAL SOILS AND SOIL BLENDS" AS4419
- 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 A2 - 5mm WASHED SCREENING. THE PARTICLE SIZE DISTRIBUTION TO BE: D₁₅ (DRAINAGE LAYER) - 5 x D₈₅ (TRANSITION LAYER) WHERE D₁₅ (DRAINAGE LAYER) IS THE 15th PERCENTILE PARTICLE SIZE IN THE TRANSITION LAYER MATERIAL (i.e. 15% OF THE SAND IS SMALLER THAN D₁₅ mm), AND D₈₅ (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 PELL'S 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 PELL'S 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 ±100mm U.N.O.



Civil Engineers and Project Managers

at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

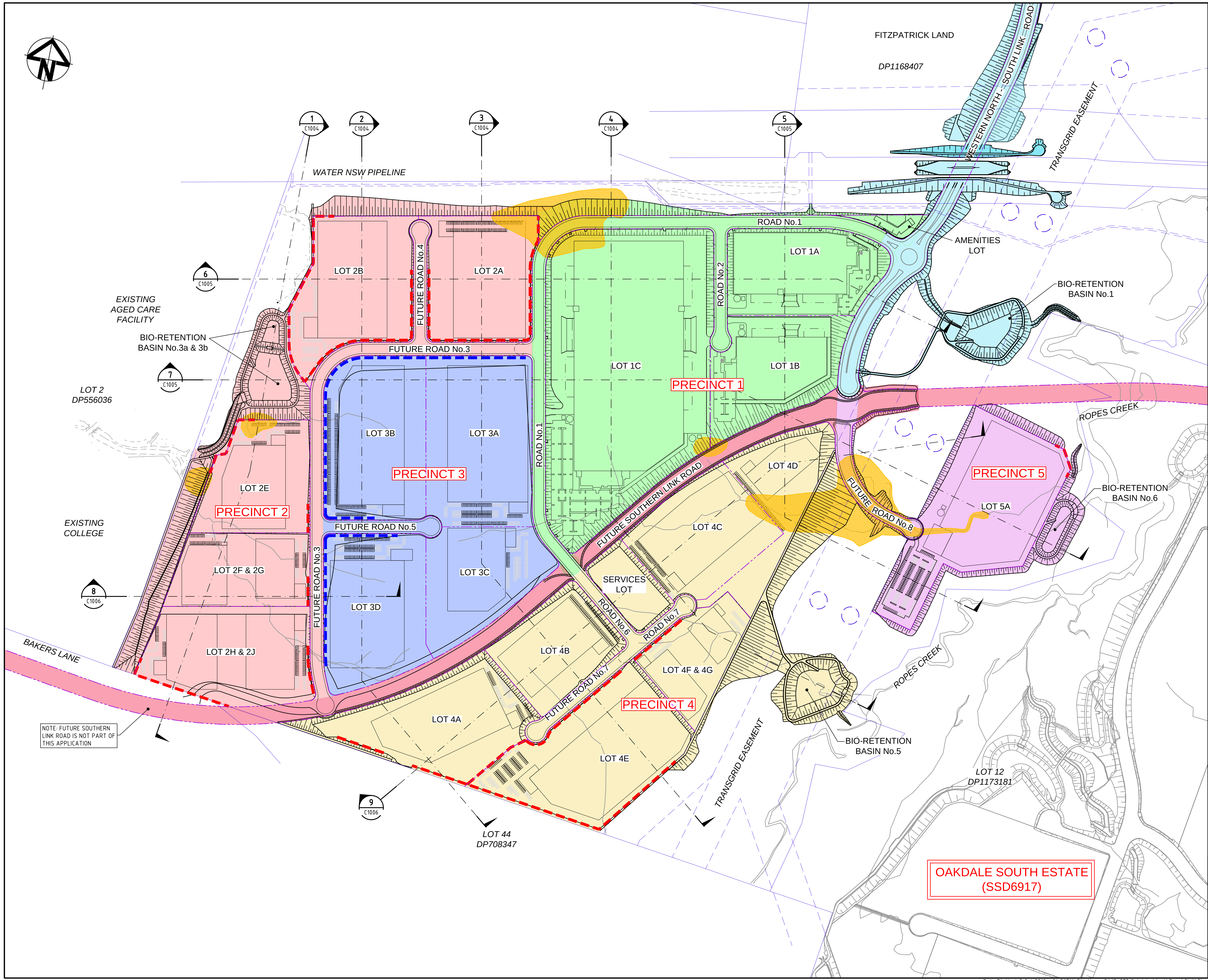
Project

**PROPOSED INDUSTRIAL
DEVELOPMENT
OAKDALE WEST**

Title

GENERAL NOTES

Drawing No.	Project No.	Issue
15-272-C1002	15-272	A4



LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- BOUNDARY WALLS
- ON LOT WALLS

PRECINCT No.1 FOR ON-LOT WORKS REFER '2000 SERIES' PACKAGE
PRECINCT No.2
PRECINCT No.3
PRECINCT No.4
PRECINCT No.5
FUTURE SOUTHERN LINK ROAD
WESTERN NORTH-SOUTH LINK ROAD REFER '3000 SERIES' PACKAGE
EXTENT OF EXCAVATION OF EXISTING CREEKS AND DAMS. REFER DRAWING 15-272-C1014 FOR DETAILS.

Bar Scales

0 50 100 150 200 250

1: 3000 @ A1

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
A2	ISSUED FOR SSD APPROVAL	23-03-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

Issue	Description	Date

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I.

Status	FOR APPROVAL		A1
	NOT TO BE USED FOR CONSTRUCTION		

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

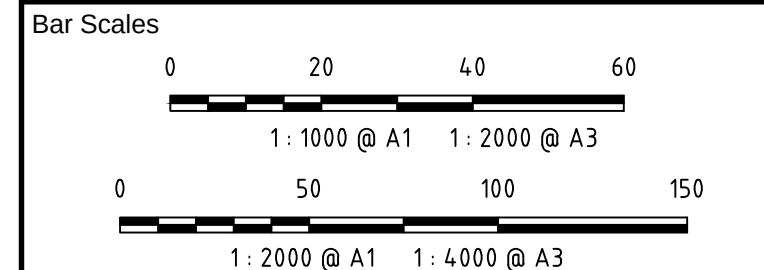
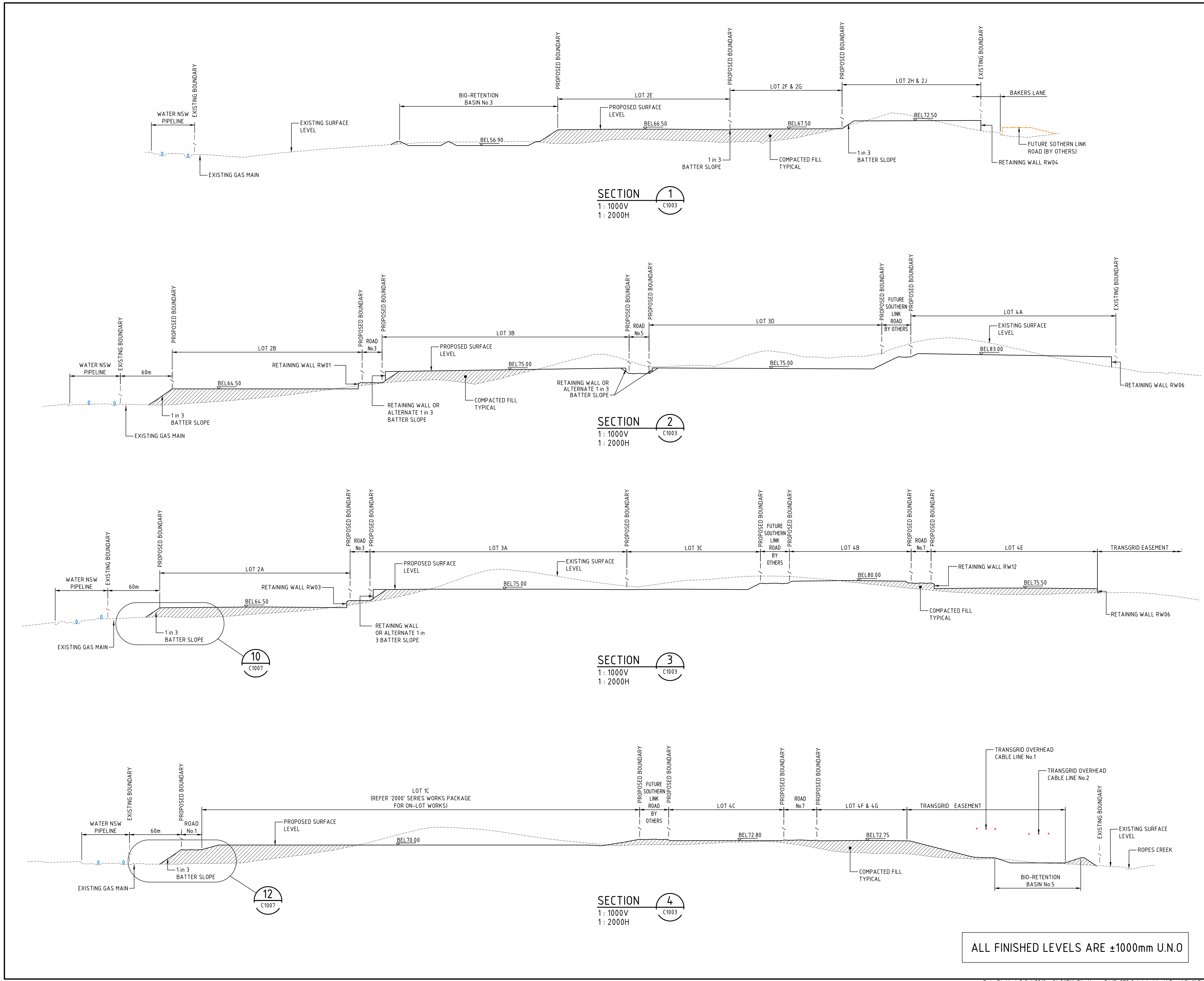
Client

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Project	PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST		
Title	PRECINCT GENERAL ARRANGEMENT PLAN		
Drawing No.	Project No.	Issue	
15-272-C1003	15-272	A6	

Date Plotted: 5 Oct 2018 - 04:36PM File Name: F:\15-272 Oakdale West\Drgs\Civil\Final\SSDA\1000_Infrastructure Package\15-272-C1003.dwg



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

Issue	Description	Date
-------	-------------	------

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I.

Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

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



Civil Engineers and Project Managers

at&i

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

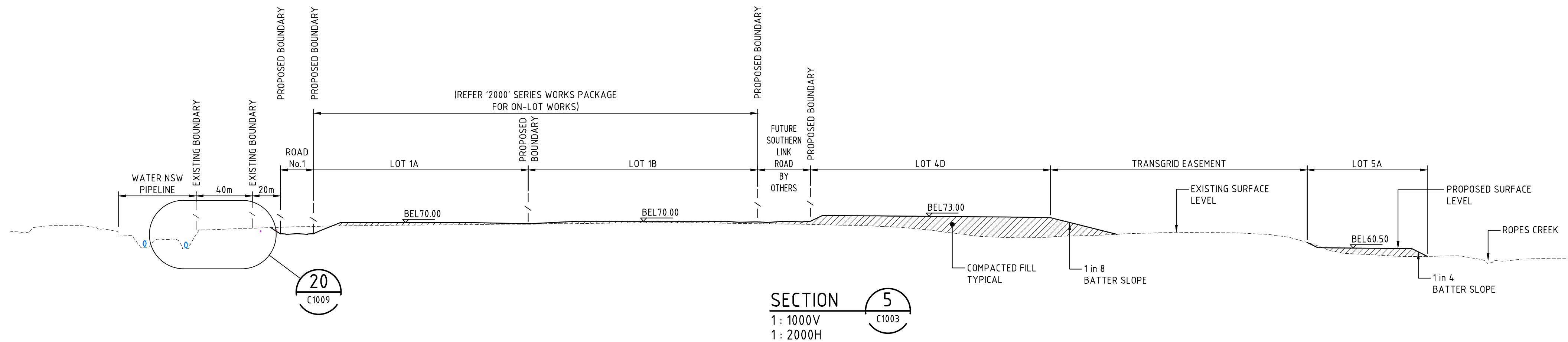
Project

PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

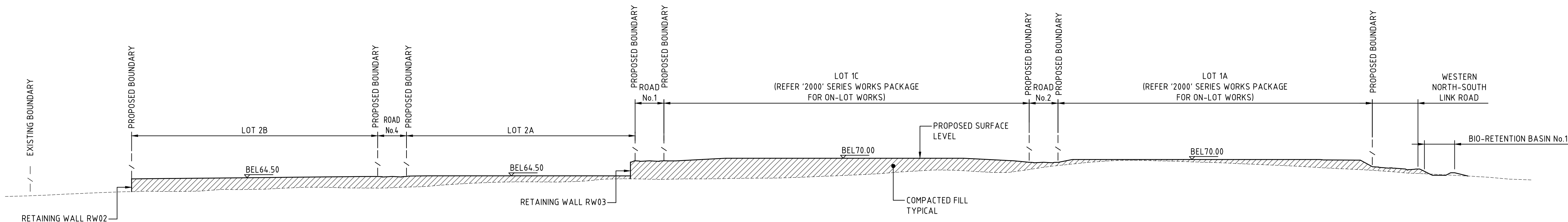
Title

TYPICAL SITE SECTIONS SHEET 1 OF 6

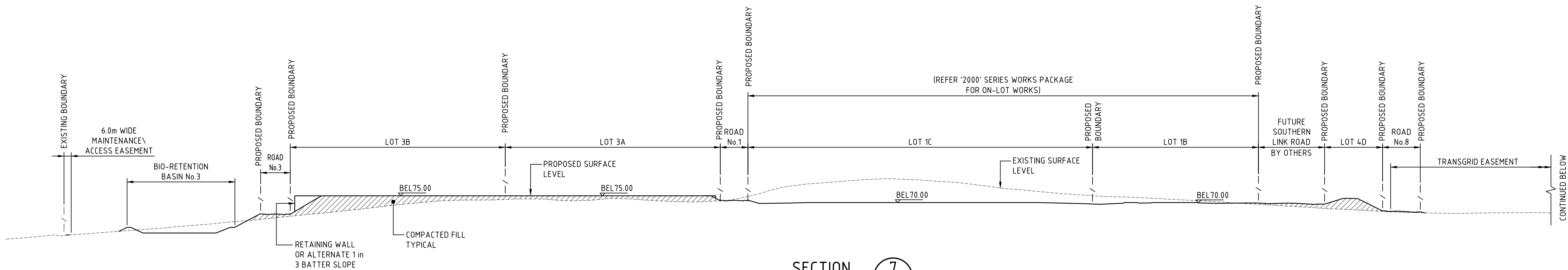
Drawing No.	Project No.	Issue
15-272-C1004	15-272	A4



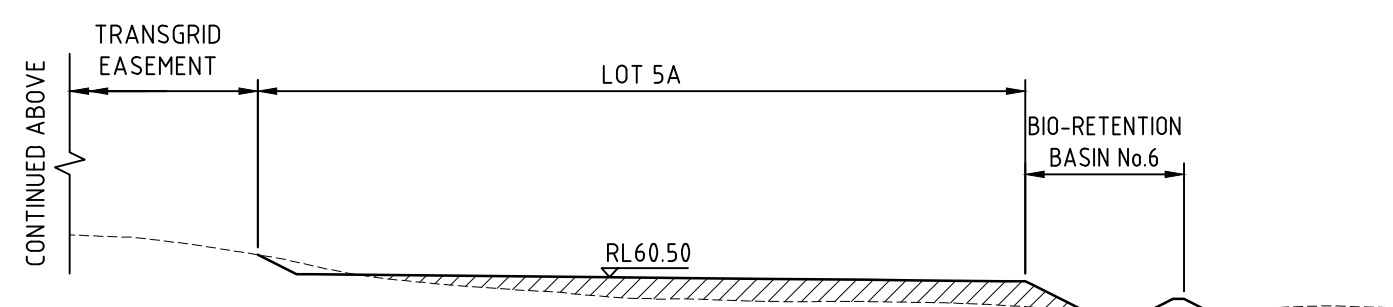
SECTION 5
1: 1000V
1: 2000H



SECTION 6
1: 1000V
1: 2000H

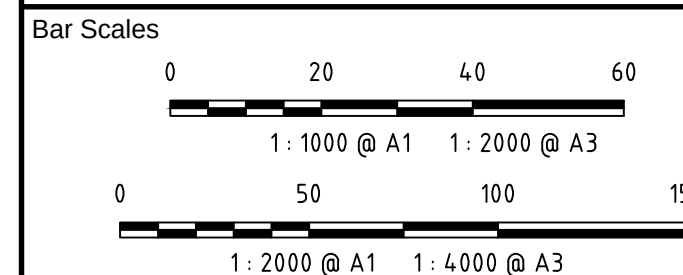


SECTION 7
1: 1000V
1: 2000H



SECTION 7
1: 1000V
1: 2000H

ALL FINISHED LEVELS ARE $\pm 1000\text{mm}$ U.N.O



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

Issue	Description	Date
-------	-------------	------

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

Scales	AS SHOWN	15-272-C1005.dwg
Height Datum	AHD	Checked AM
Grid	MGA	Approved AM

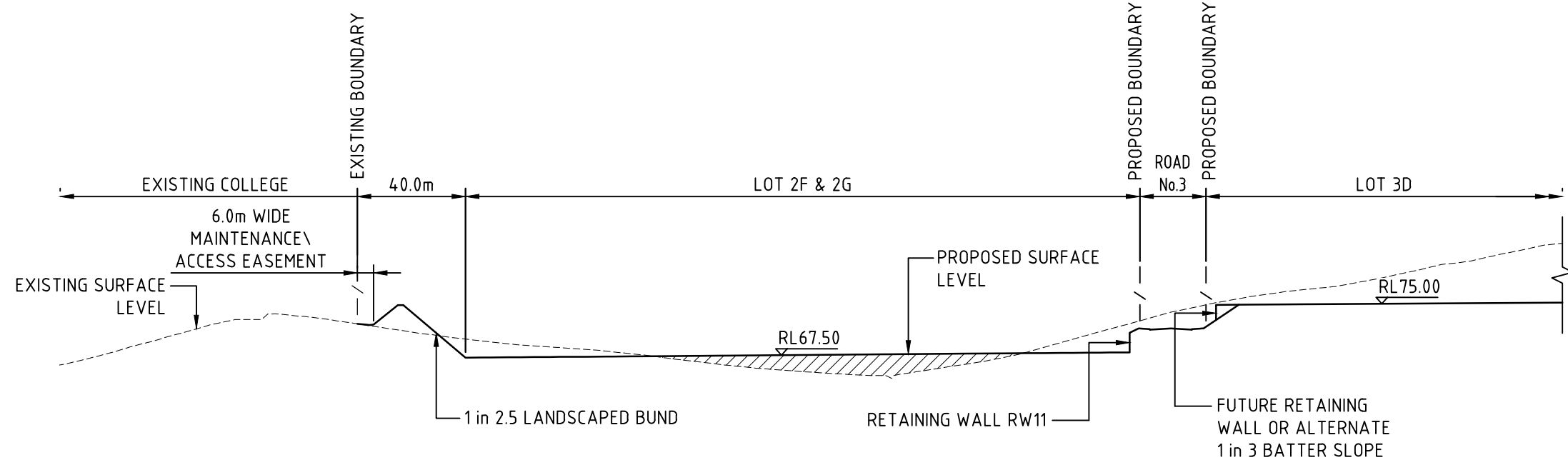


Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

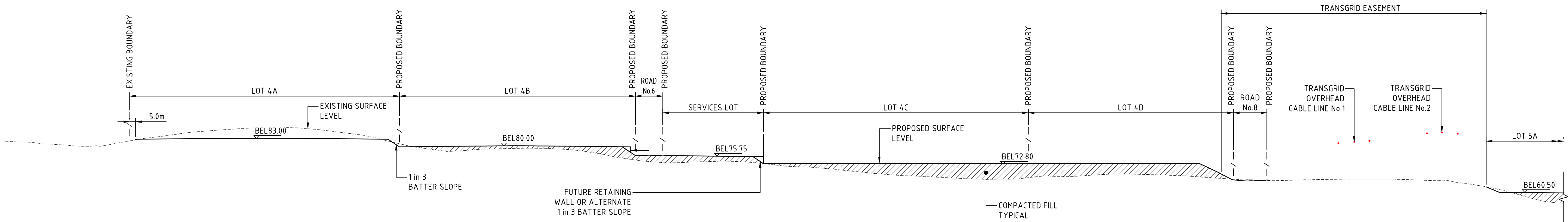
Project
PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title
TYPICAL SITE SECTIONS SHEET 2 OF 6

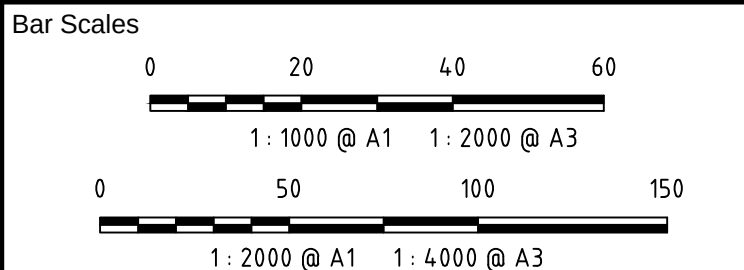
Drawing No.	Project No.	Issue
15-272-C1005	15-272	A4



SECTION 8
1 : 1000V
1 : 2000H



SECTION 9
1 : 1000V
1 : 2000H



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

Issue	Description	Date
-------	-------------	------

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

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



Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Project

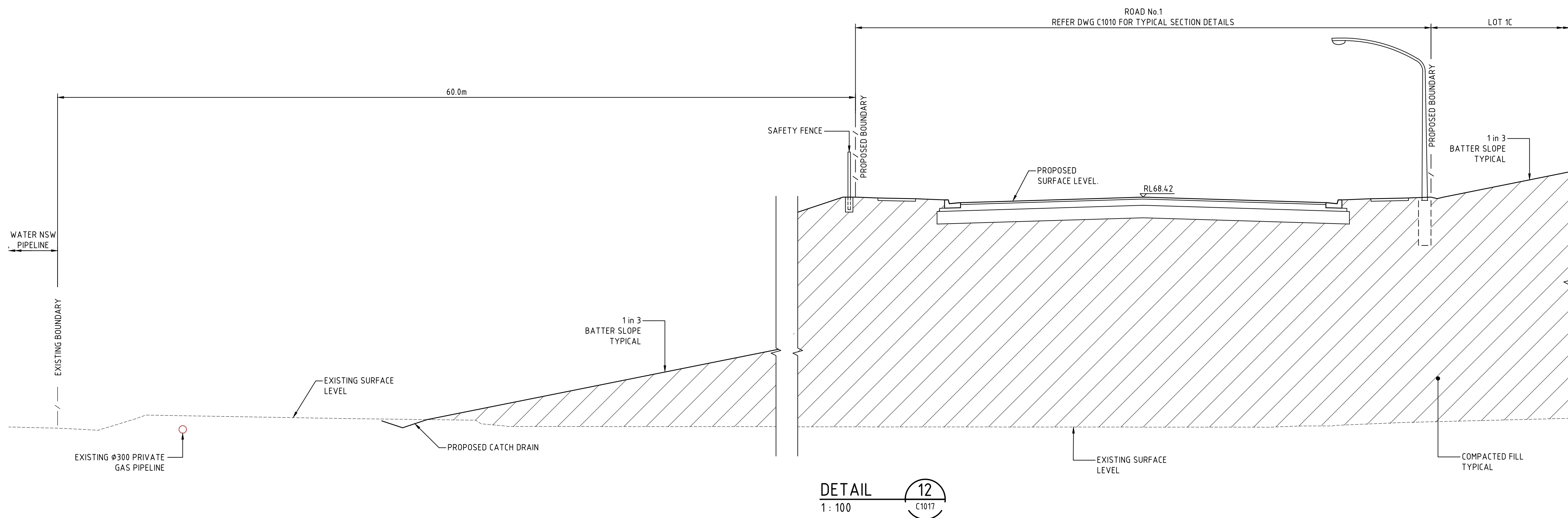
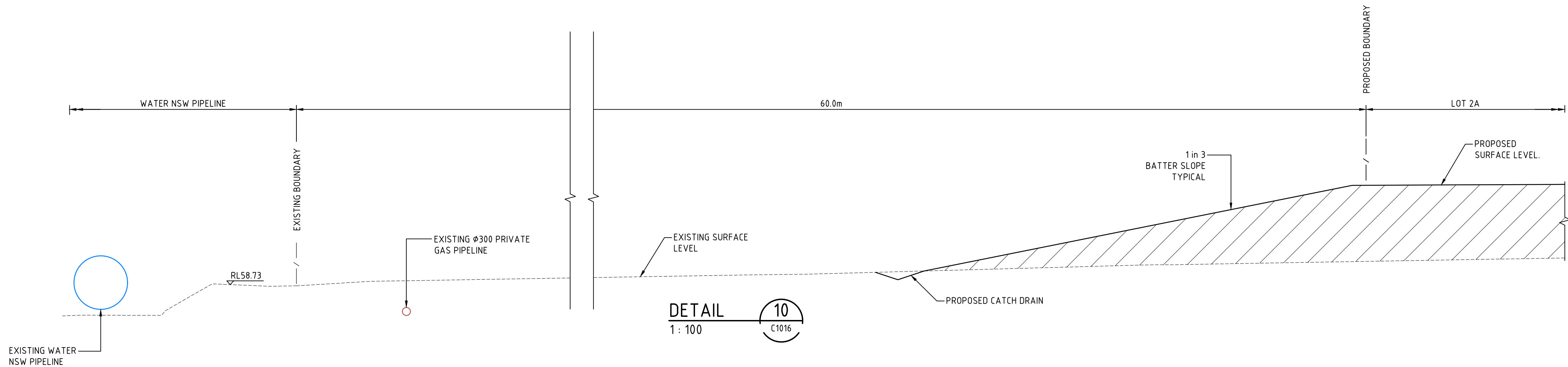
PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title

TYPICAL SITE SECTIONS SHEET 3 OF 6

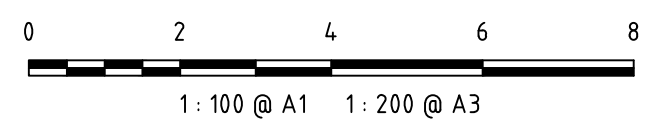
Drawing No.	Project No.	Issue
15-272-C1006	15-272	A4

ALL FINISHED LEVELS ARE $\pm 1000\text{mm}$ U.N.O



ALL FINISHED LEVELS ARE ±1000mm U.N.O

Bar Scales



Issue	Description	Date
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

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

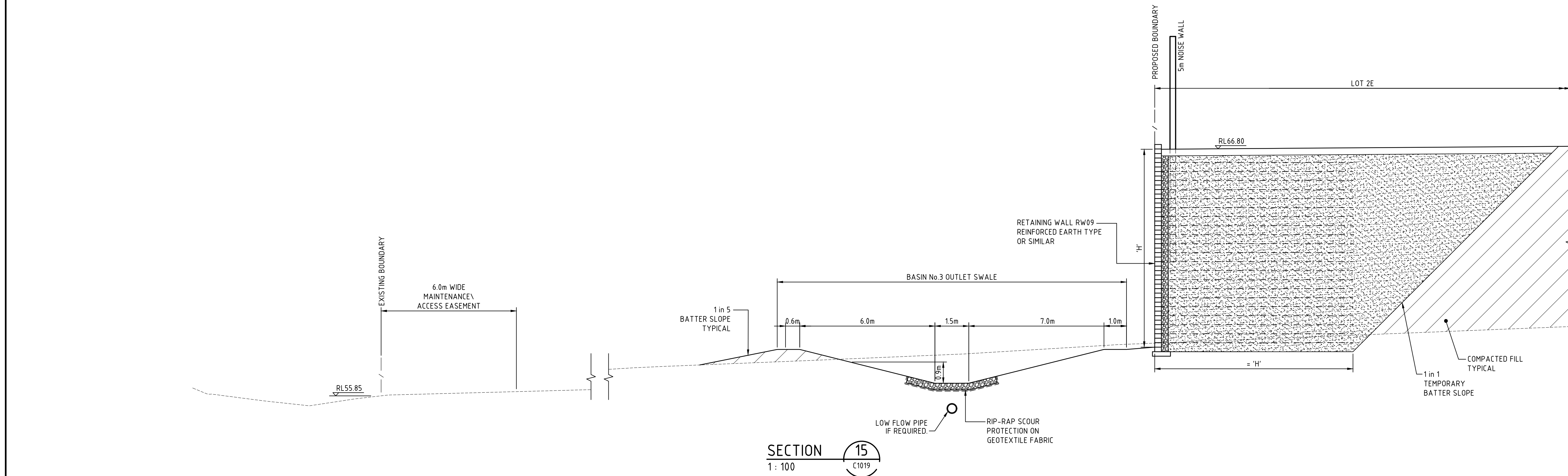
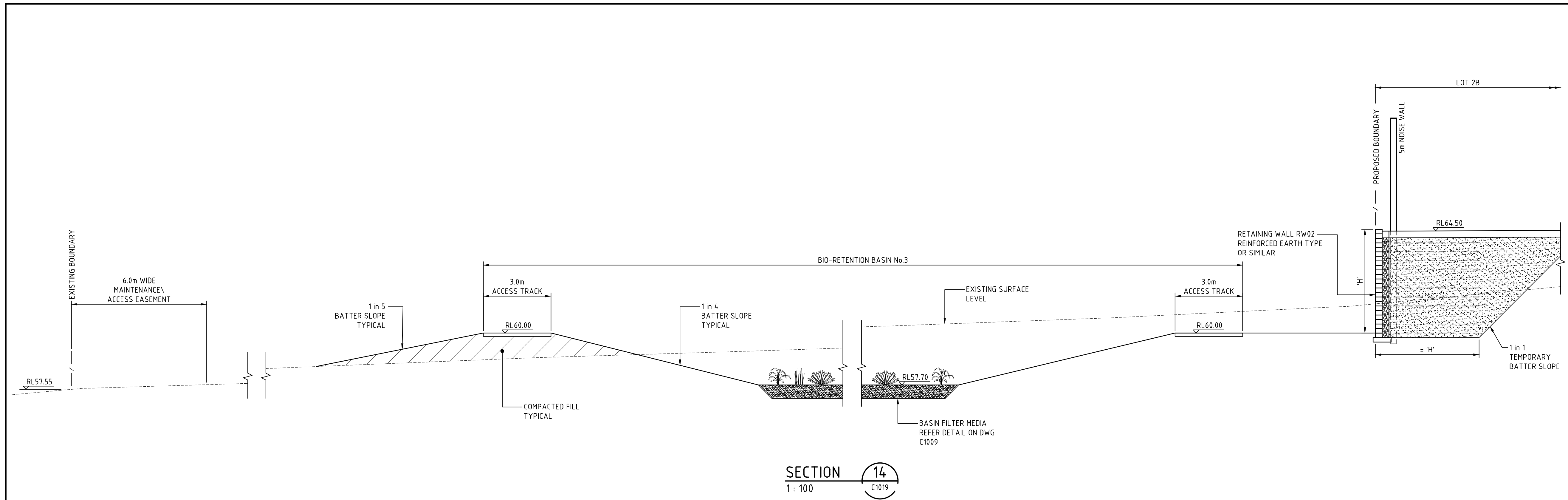


Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

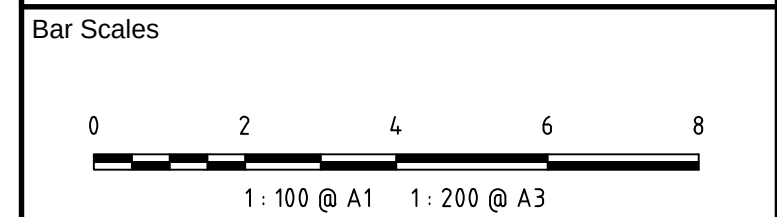
Project
PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title
TYPICAL SITE SECTIONS SHEET 4 OF 6

Drawing No.	Project No.	Issue
15-272-C1007	15-272	A3



ALL FINISHED LEVELS ARE ±1000mm U.N.O



A3	ISSUED FOR SSD APPROVAL	11-10-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

Issue	Description	Date
-------	-------------	------

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

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



Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

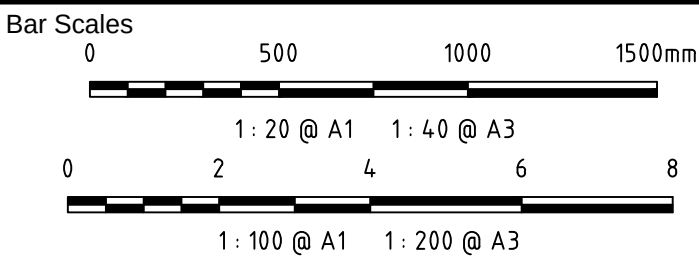
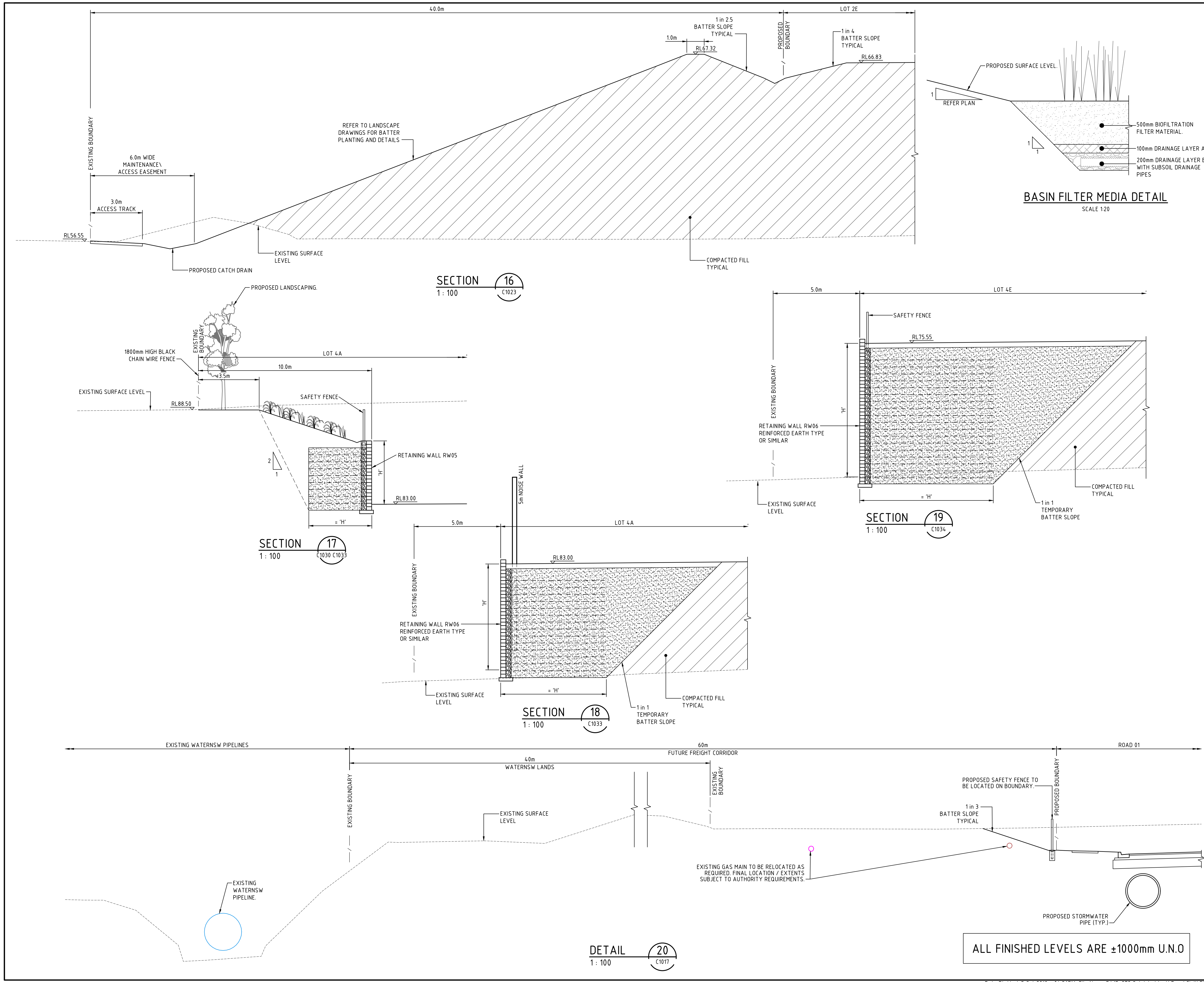
Project

PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title

TYPICAL SITE SECTIONS SHEET 5 OF 6

Drawing No.	Project No.	Issue
15-272-C1008	15-272	A3



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

Issue	Description	Date
-------	-------------	------

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

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



Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

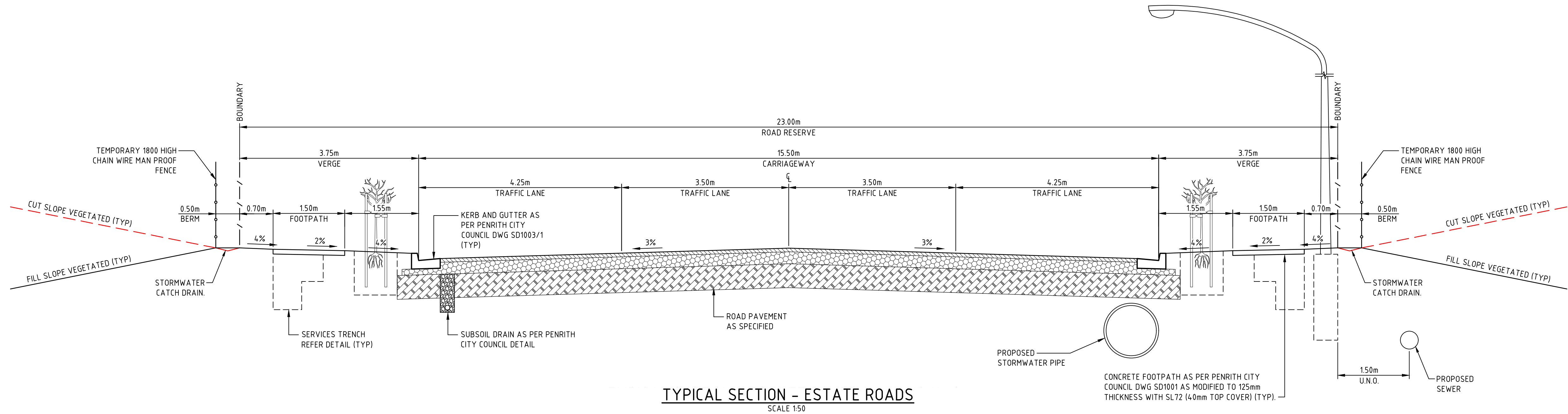
Project

PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

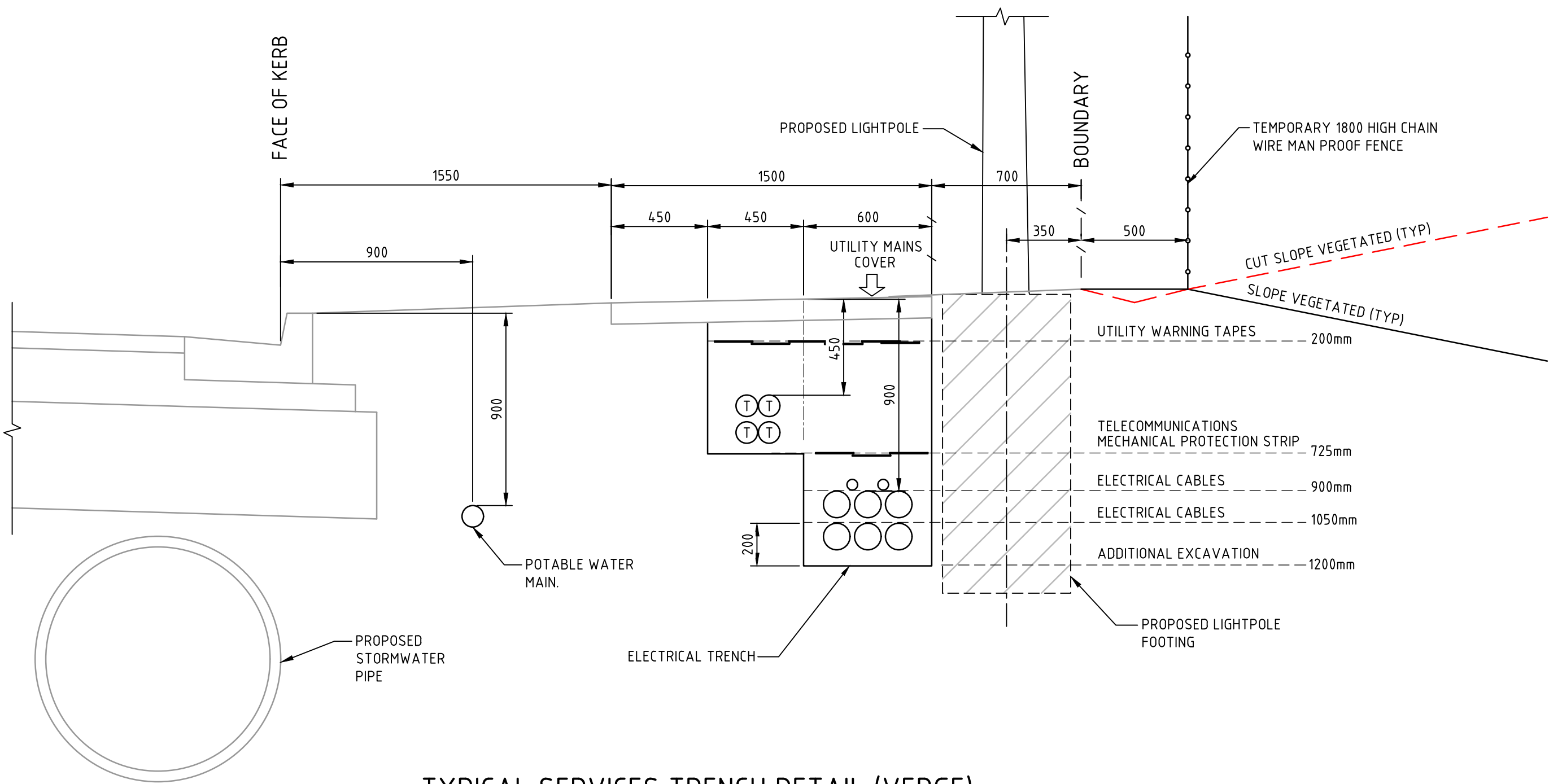
Title

TYPICAL SITE SECTIONS SHEET 6 OF 6

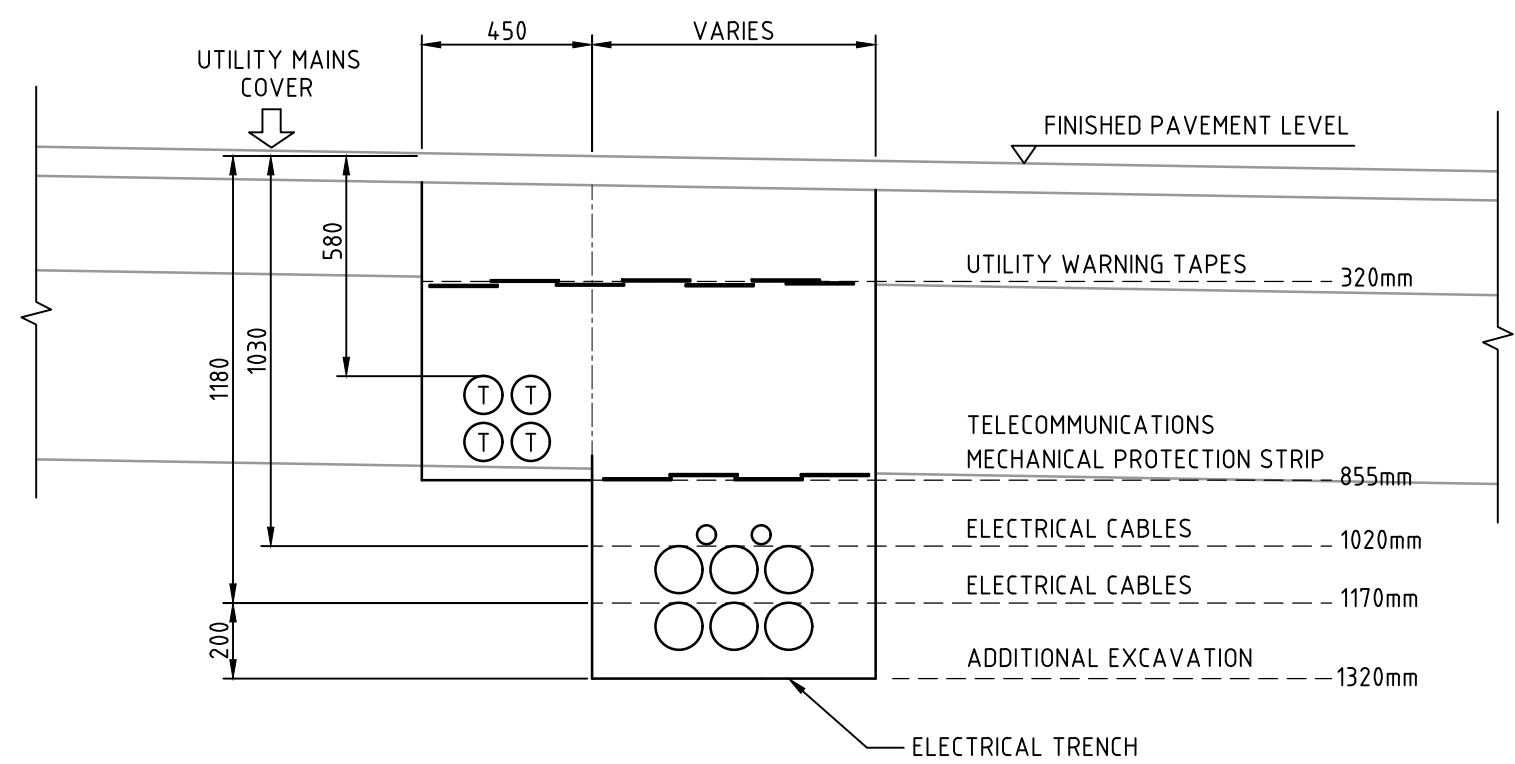
Drawing No.	Project No.	Issue
15-272-C1009	15-272	A4



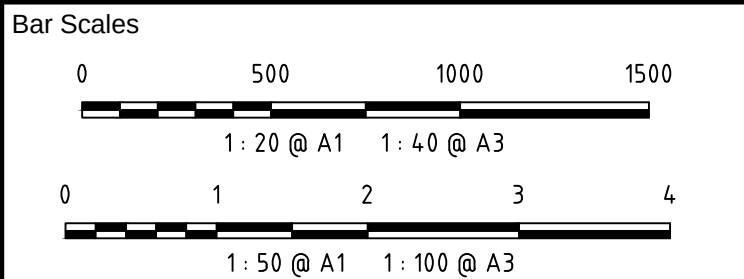
TYPICAL SECTION - ESTATE ROADS
SCALE 1:50



TYPICAL SERVICES TRENCH DETAIL (VERGE)
SCALE 1:20



TYPICAL SERVICES TRENCH DETAIL
(ROAD CROSSING)
SCALE 1:20



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
-------	-------------	------

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I.

Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

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



Civil Engineers and Project Managers

at&i

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

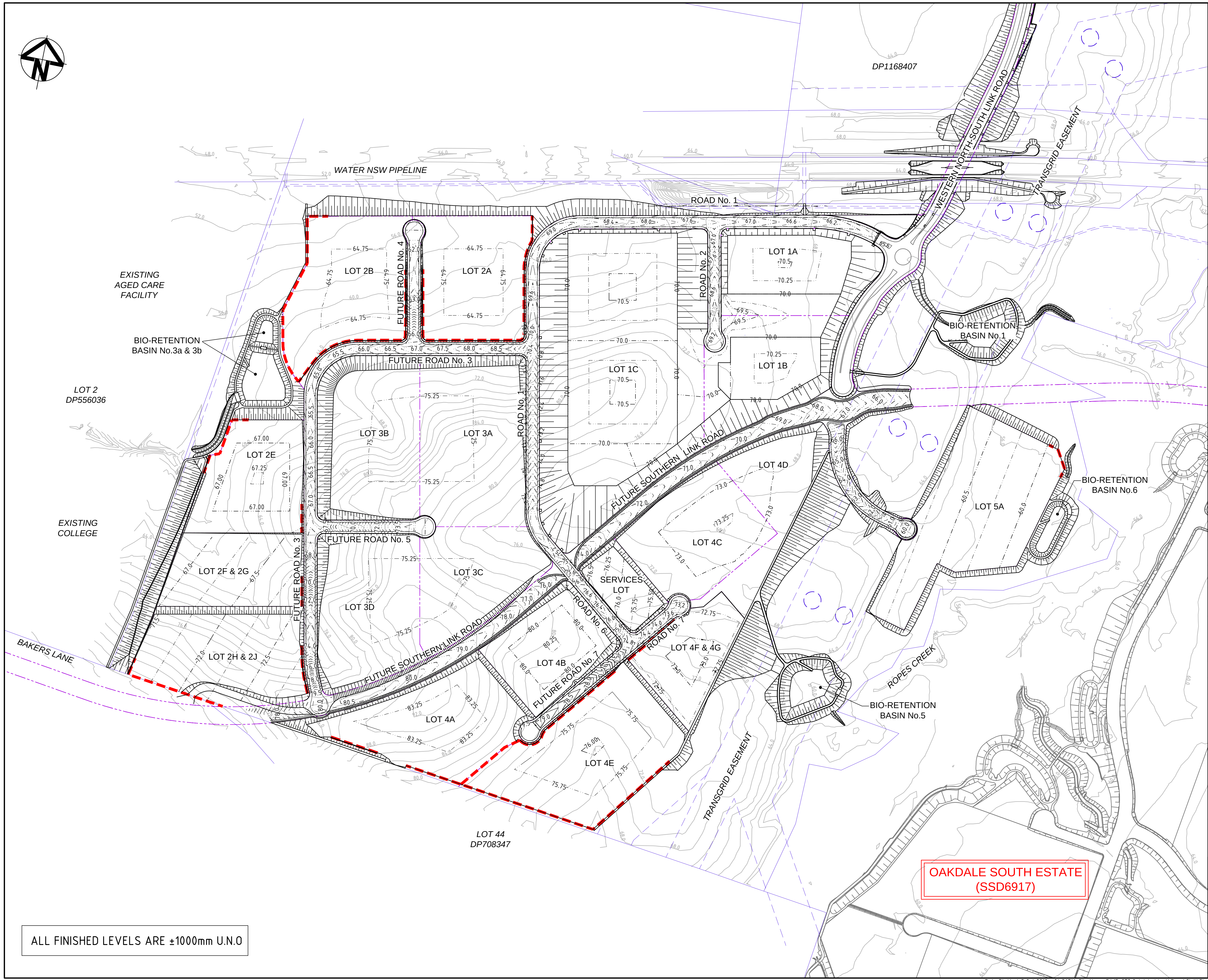
Project

PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title

TYPICAL ROAD SECTIONS

Drawing No.	Project No.	Issue
15-272-C1010	15-272	A3



 EXISTING BOUNDARY
 EXISTING EASEMENT
 PROPOSED BOUNDARY
 EXISTING CONTOUR
 PROPOSED BULK EARTHWORKS CONTOUR
 PROPOSED RETAINING WALL - STAGE 1

0 50 100 150 200 250
1: 3000 @ A1

Issue	Description	Date
-------	-------------	------

Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
--	-----------

Client	[REDACTED]
--------	------------



Title

CONTOUR PLAN

Drawing No.	Project No.	Issue
15-272-C1011	15-272	A3

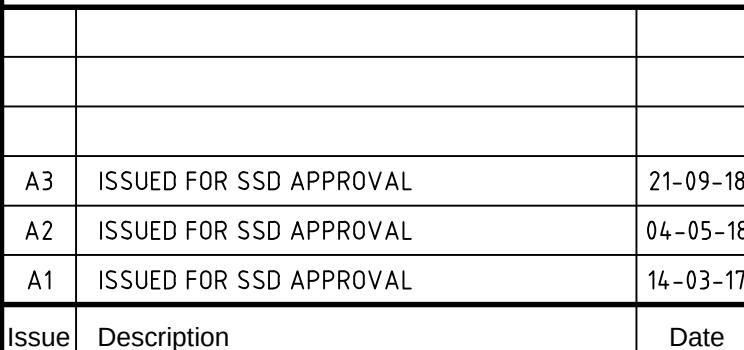
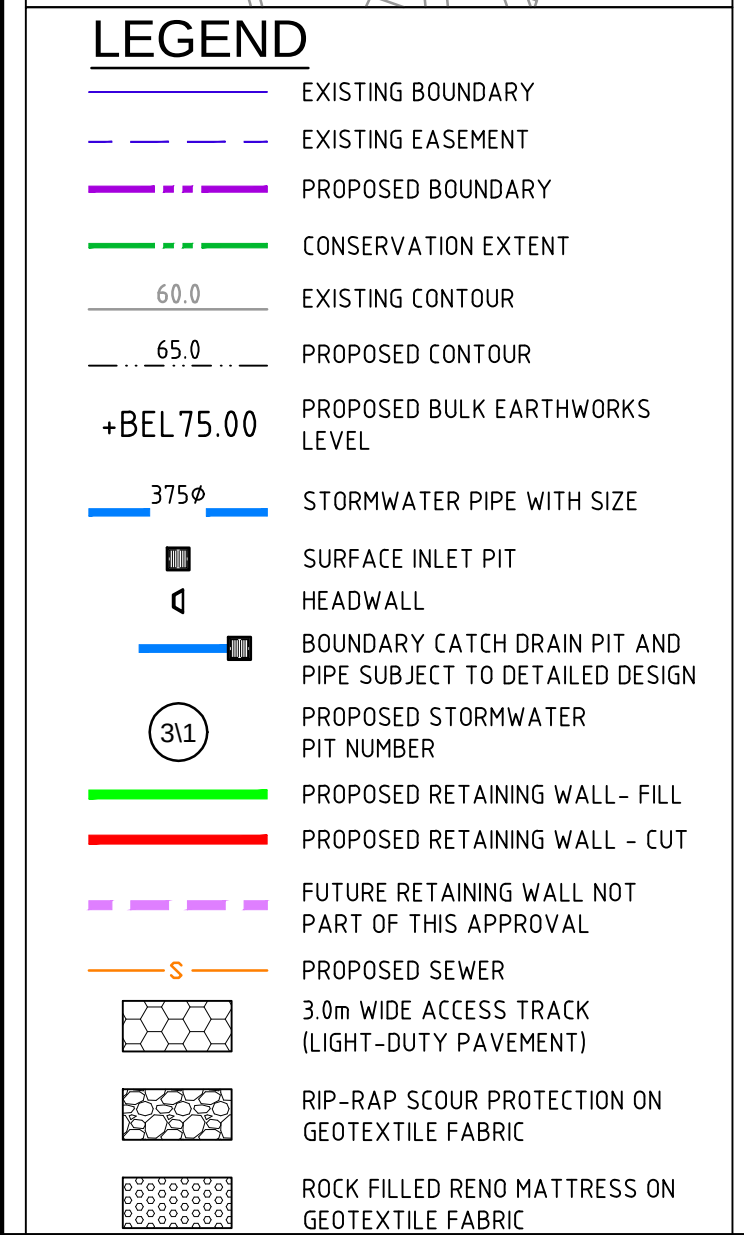
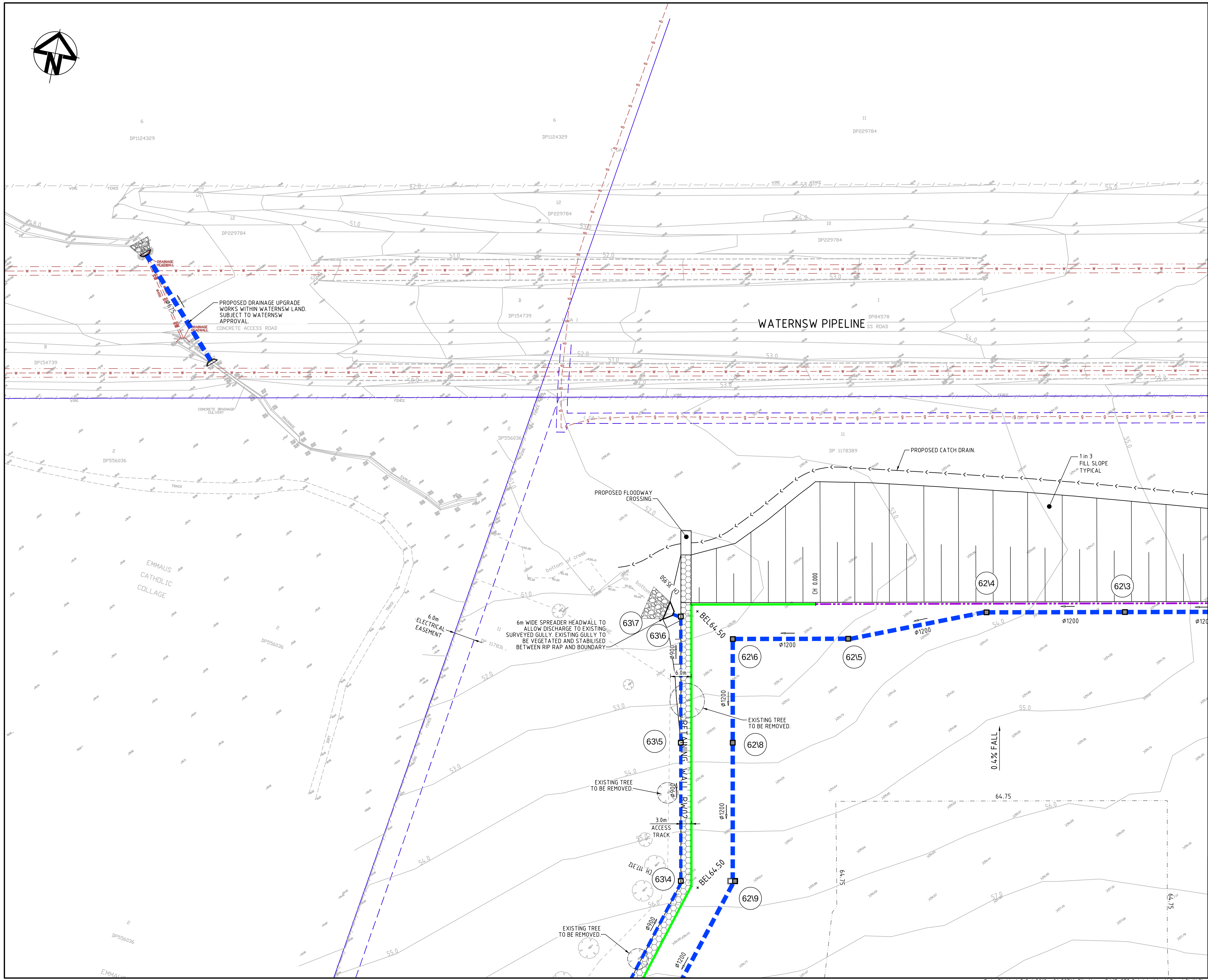
Date Plotted: 5 Oct 2018 - 04:36PM File Name: F:\15-272 Oakdale West\Drgs\Civil\Final\SSDA\1000_Infrastructure Package\15-272-C1011.dwg V1

PRECINCT	A EXISTING TOPSOIL STRIPPING VOLUME (cu.m) REFER NOTE No.1	B EXCAVATION OF EXISTING CREEKS AND DAMS (cu.m) REFER NOTE No.3	C NET CUT (cu.m)	D NET FILL (cu.m)	E = A+B+C+D BALANCE (cu.m)	F APPROXIMATE VOLUME OF SELECT MATERIAL IMPORT FOR RETAINING WALLS
1	-29,128	-25,591	-427,121	540,767	58,927	7,706
2	-19,315	-13,164	-155,869	856,226	667,878	47,289
3	-29,501	0	-949,380	210,343	-768,538	0
4	-19,582	-14,084	-230,354	735,334	471,314	35,985
5	-4,868	-15,917	-2,891	175,625	151,950	925
SLR	-8,091	-1,362	-106,686	22,258	-93,881	0
WNSLR	-5,707	0	-8,592	22,482	8,183	0
TOTAL	-116,192	-70,118	-1,880,892	2,563,035	495,833	91,905

-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			

1. EXISTING TOPSOIL STRIPPED 200mm IN AREAS OF PROPOSED CUT OR AREAS OF PROPOSED FILL GREATER THAN 1m IN DEPTH. REFER SECTION 1 FOR DETAILS.
2. ALLOWANCE FOR RETAINING WALL BACKFILL MATERIAL (IMPORT) HAVE BEEN MADE IN ACCORDANCE WITH SECTION 1.
3. 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.
4. POSITIVE BALANCE VOLUMES INDICATE SHORTFALL (IMPORT) REQUIRED.
5. 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
6. DAMS OUTSIDE OF EARTHWORK ZONE TO BE FILLED TO ALLOW FOR MIN. 1% FALL.

Date Plotted: 5 Oct 2018 - 04:38PM File Name: F:\15-272 Oakdale West\Drgs\Civil\Final\SSDA\1000_Infrastructure Package\15-272-C1014.dwg V1



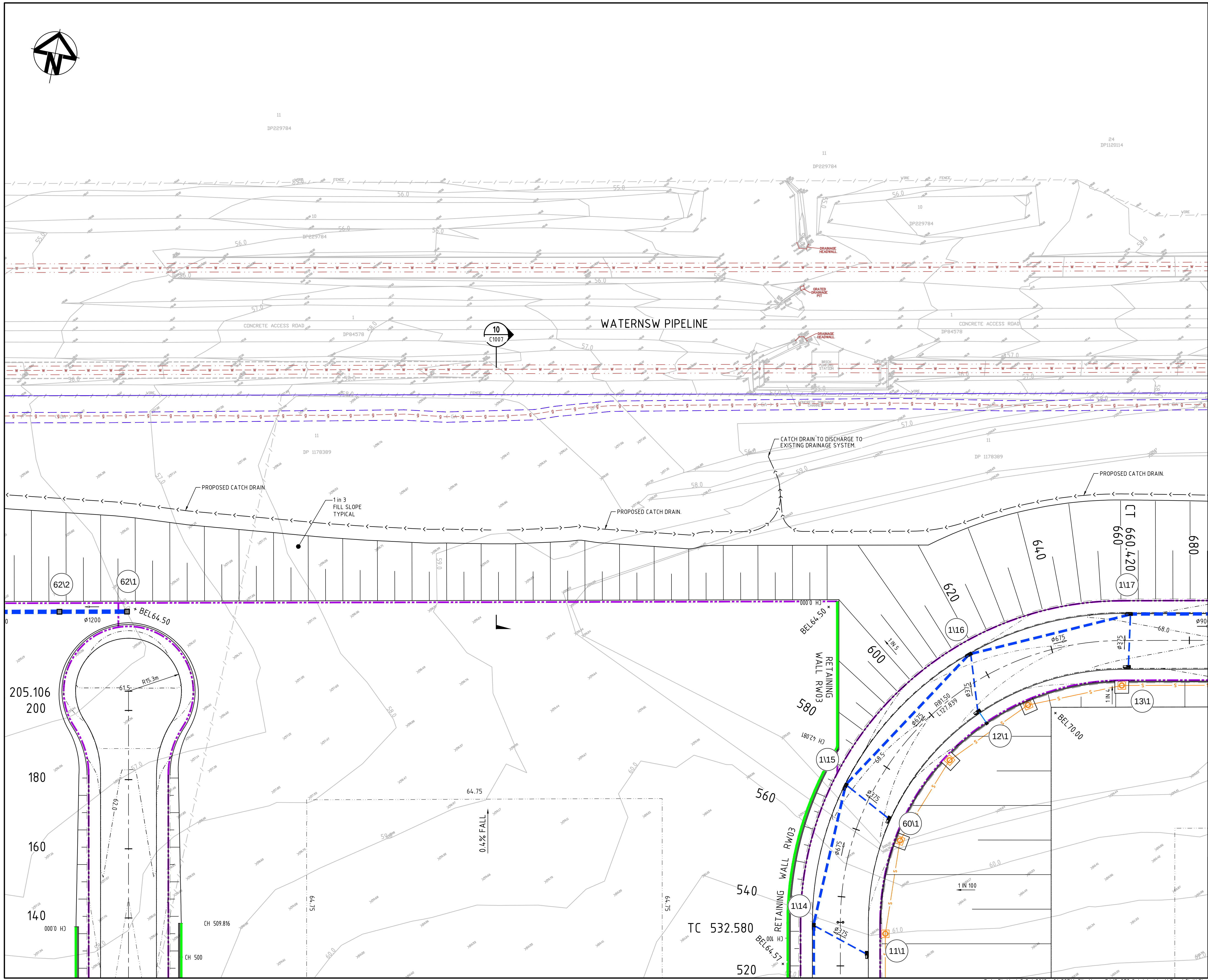
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
--------	---	----

Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM



Title EARTHWORKS AND STORMWATER DRAINAGE PLAN SHEET 1 OF 20
--

Drawing No. 15-272-C1015	Project No. 15-272	Issue A3
------------------------------------	------------------------------	--------------------



KEYPLAN

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- CONSERVATION EXTENT
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED BULK EARTHWORKS LEVEL
- STORMWATER PIPE WITH SIZE
- SURFACE INLET PIT
- HEADWALL
- BOUNDARY CATCH DRAIN PIT AND PIPE SUBJECT TO DETAILED DESIGN
- PROPOSED STORMWATER PIT NUMBER
- PROPOSED RETAINING WALL - FILL
- PROPOSED RETAINING WALL - CUT
- FUTURE RETAINING WALL NOT PART OF THIS APPROVAL
- 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

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

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I

Status	FOR APPROVAL		A1
NOT TO BE USED FOR CONSTRUCTION			

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

Client

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Project

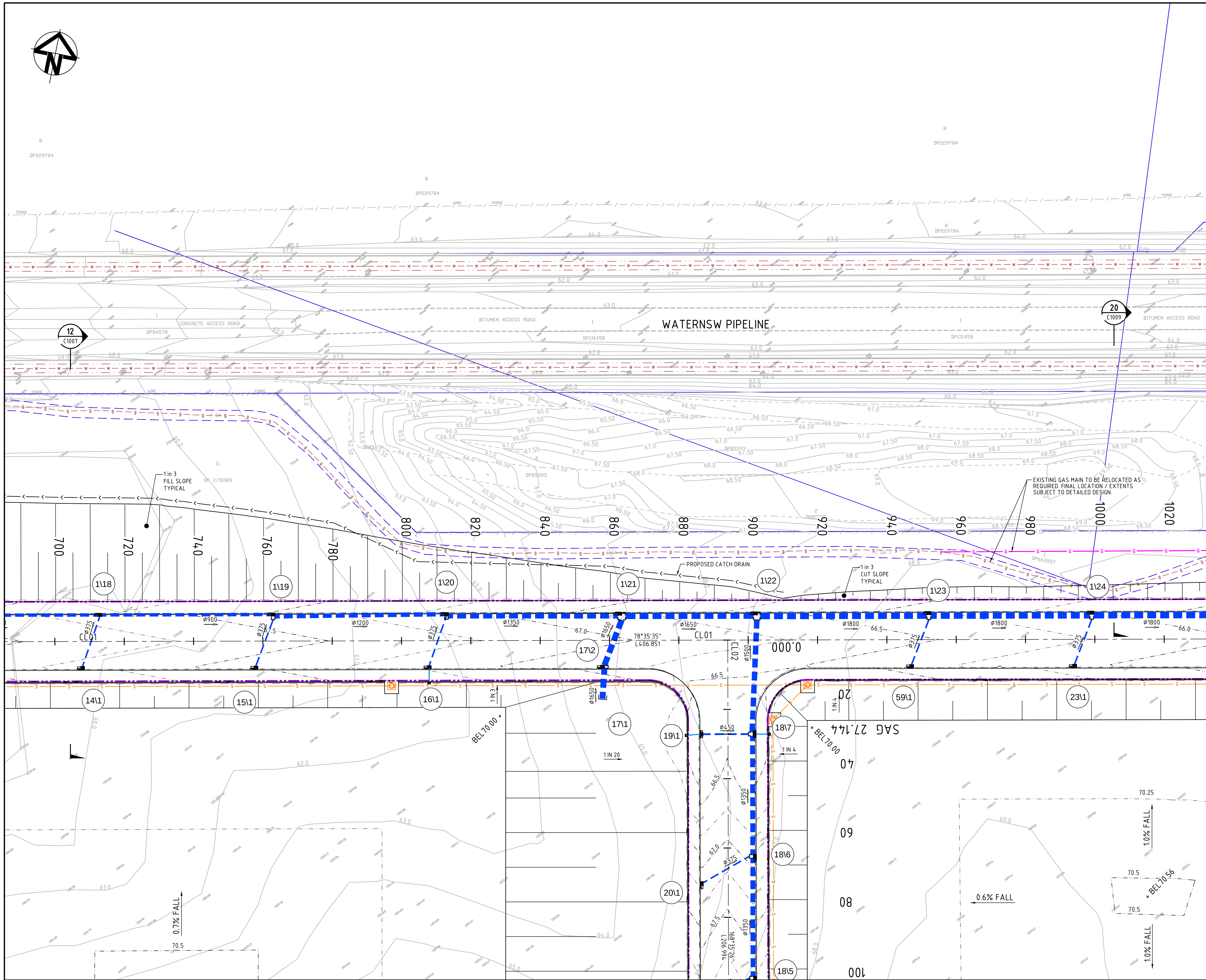
PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title

EARTHWORKS AND STORMWATER DRAINAGE PLAN
SHEET 2 OF 20

Drawing No.	Project No.	Issue
15-272-C1016	15-272	A3

Date Plotted: 5 Oct 2018 - 04:39PM File Name: F:\15-272 Oakdale West\Drgs\Civil\Final\SSDA\1000_Infrastructure Package\15-272-C1016.dwg V1



KEYPLAN

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- CONSERVATION EXTENT
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED BULK EARTHWORKS LEVEL
- STORMWATER PIPE WITH SIZE
- SURFACE INLET PIT HEADWALL
- BOUNDARY CATCH DRAIN PIT AND PIPE SUBJECT TO DETAILED DESIGN
- PROPOSED STORMWATER PIT NUMBER
- PROPOSED RETAINING WALL - FILL
- PROPOSED RETAINING WALL - CUT
- FUTURE RETAINING WALL NOT PART OF THIS APPROVAL
- 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

Issue	Description	Date
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I

Status	FOR APPROVAL	A1
Scales	15-272-C1017.dwg	
1 : 500	Drawn	GB
	Designed	GB
Height Datum	AHD	Checked AM
Grid	MGA	Approved AM

Client

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

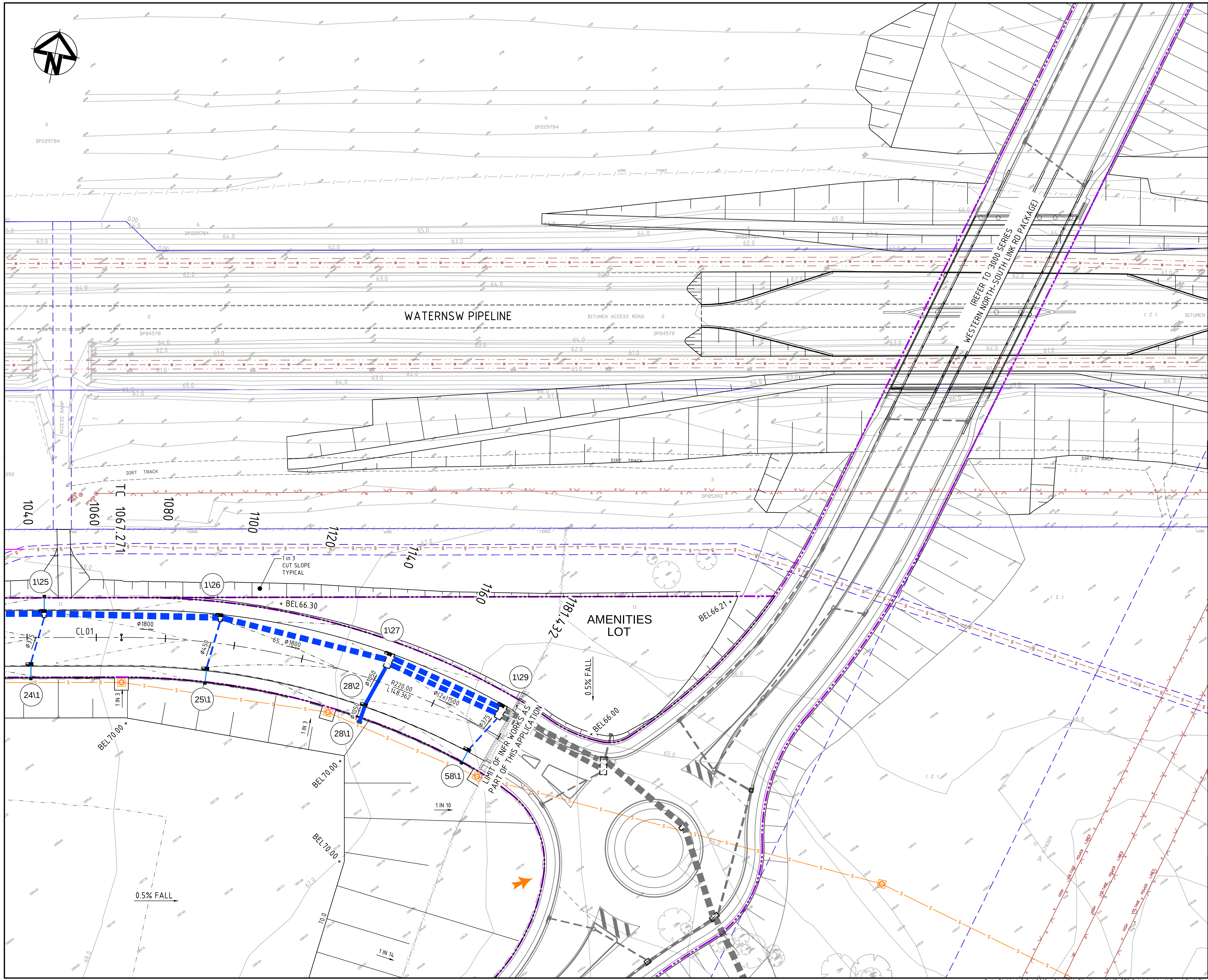
Project

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	A3



KEYPLAN

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- CONSERVATION EXTENT
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED BULK EARTHWORKS LEVEL
- STORMWATER PIPE WITH SIZE
- SURFACE INLET PIT HEADWALL
- BOUNDARY CATCH DRAIN PIT AND PIPE SUBJECT TO DETAILED DESIGN
- PROPOSED STORMWATER PIT NUMBER
- PROPOSED RETAINING WALL - FILL
- PROPOSED RETAINING WALL - CUT
- FUTURE RETAINING WALL NOT PART OF THIS APPROVAL
- 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

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
THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I		

Status		A1
FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION		

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

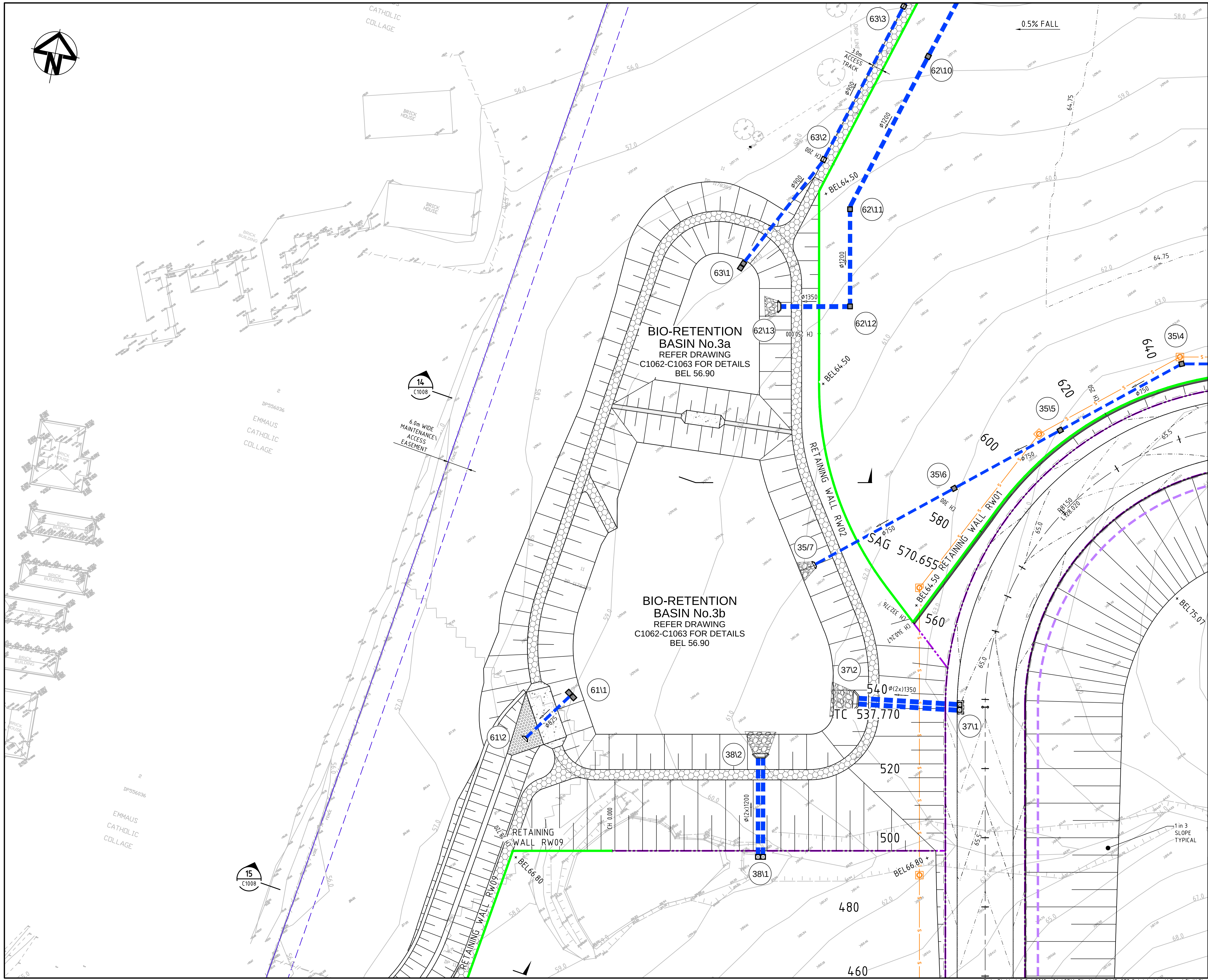
Client

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
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 4 OF 20		
Drawing No.	Project No.	Issue
15-272-C1018	15-272	A3

Date Plotted: 5 Oct 2018 - 04:41PM File Name: F:\15-272 Oakdale West\Drugs\Civil\Final\SSDA\1000_Infrastructure Package\15-272-C1018.dwg V1



KEYPLAN

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- CONSERVATION EXTENT
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED BULK EARTHWORKS LEVEL
- STORMWATER PIPE WITH SIZE
- SURFACE INLET PIT
- HEADWALL
- BOUNDARY CATCH DRAIN PIT AND PIPE SUBJECT TO DETAILED DESIGN
- PROPOSED STORMWATER PIT NUMBER
- PROPOSED RETAINING WALL - FILL
- PROPOSED RETAINING WALL - CUT
- FUTURE RETAINING WALL NOT PART OF THIS APPROVAL
- 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

Issue	Description	Date
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I

Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

Scales	15-272-C1019.dwg
1 : 500	Drawn GB
	Designed GB

Height Datum	AHD	Checked	AM
Grid <td>MGA<td>Approved<td>AM</td></td></td>	MGA <td>Approved<td>AM</td></td>	Approved <td>AM</td>	AM

Client

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Project

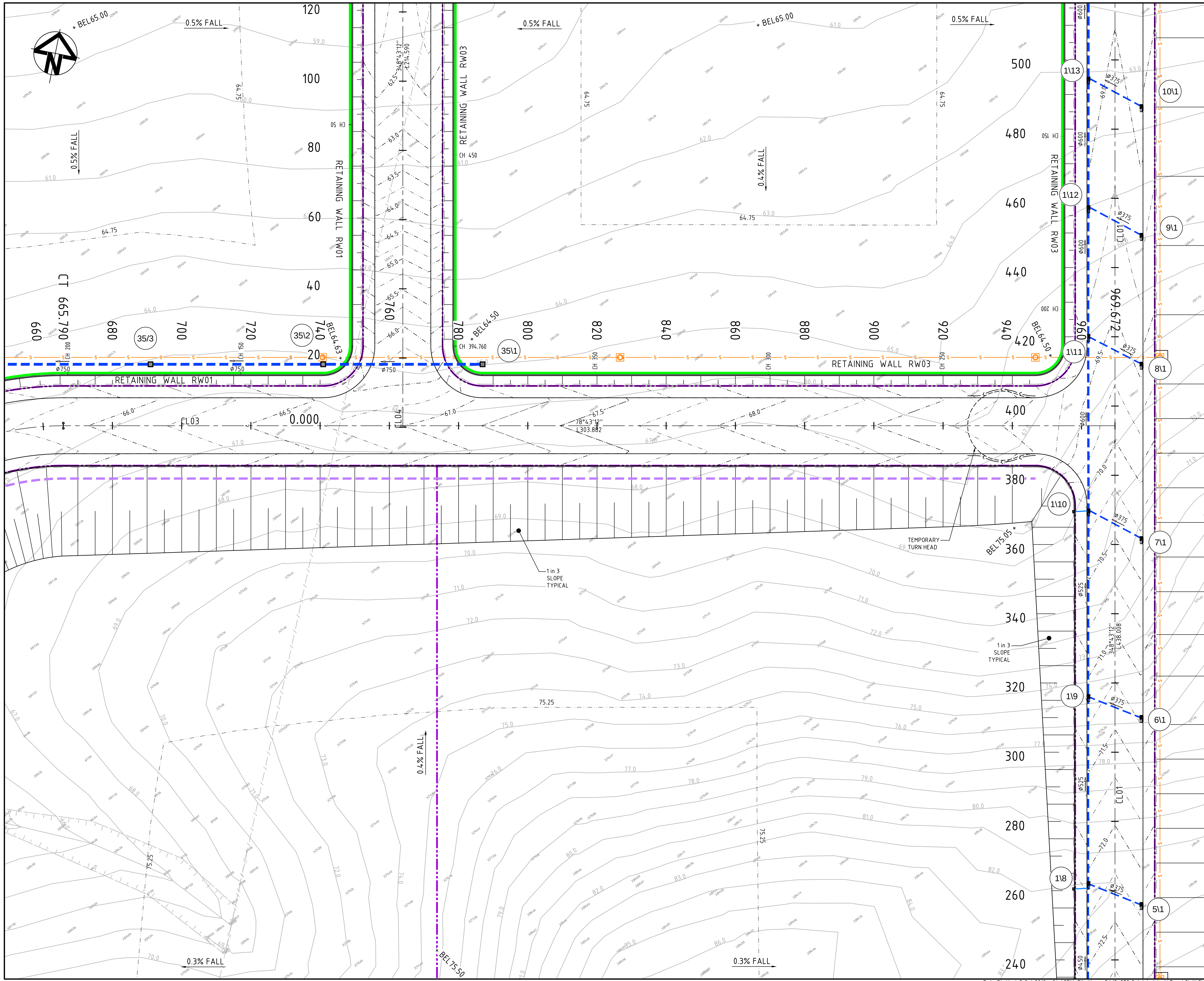
PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title

EARTHWORKS AND STORMWATER DRAINAGE PLAN

SHEET 5 OF 20

Drawing No.	Project No.	Issue
15-272-C1019	15-272	A3



KEYPLAN

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- CONSERVATION EXTENT
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED BULK EARTHWORKS LEVEL
- STORMWATER PIPE WITH SIZE
- SURFACE INLET PIT
- HEADWALL
- BOUNDARY CATCH DRAIN PIT AND PIPE SUBJECT TO DETAILED DESIGN
- PROPOSED STORMWATER PIT NUMBER
- PROPOSED RETAINING WALL - FILL
- PROPOSED RETAINING WALL - CUT
- FUTURE RETAINING WALL NOT PART OF THIS APPROVAL
- 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

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

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I

Status	FOR APPROVAL		A1
NOT TO BE USED FOR CONSTRUCTION			
Scales	15-272-C1020.dwg		
1 : 500	Drawn	GB	
	Designed	GB	
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Project

PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title

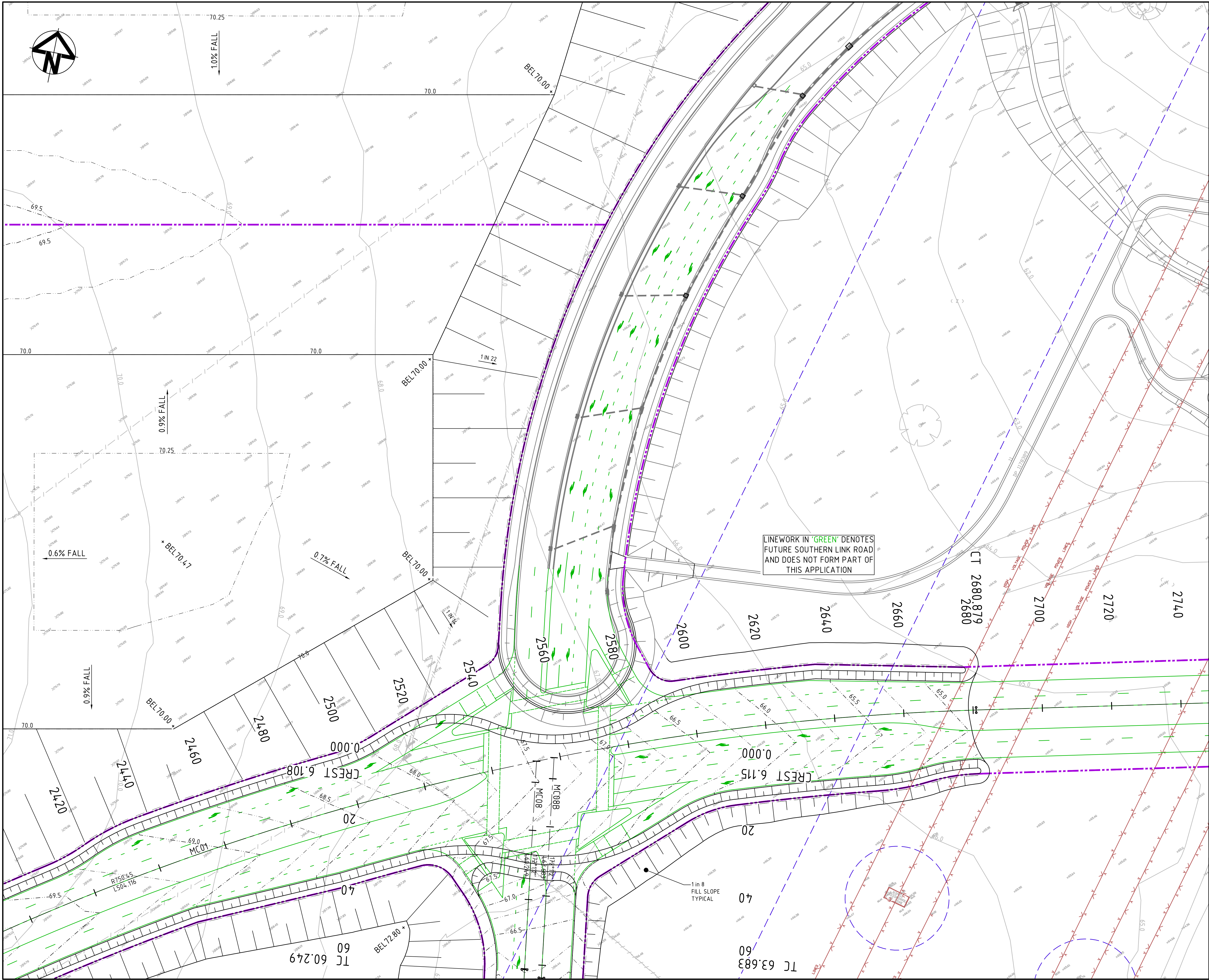
EARTHWORKS AND STORMWATER DRAINAGE PLAN

SHEET 6 OF 20

Drawing No.	Project No.	Issue
15-272-C1020	15-272	A3



Drawing No.	Project No.	Issue
15-272-C1021	15-272	A3



KEYPLAN

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- CONSERVATION EXTENT
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED BULK EARTHWORKS LEVEL
- STORMWATER PIPE WITH SIZE
- SURFACE INLET PIT
- HEADWALL
- BOUNDARY CATCH DRAIN PIT AND PIPE SUBJECT TO DETAILED DESIGN
- PROPOSED STORMWATER PIT NUMBER
- PROPOSED RETAINING WALL - FILL
- PROPOSED RETAINING WALL - CUT
- FUTURE RETAINING WALL NOT PART OF THIS APPROVAL
- 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

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

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I

Status	FOR APPROVAL		A1
NOT TO BE USED FOR CONSTRUCTION			
Scales	15-272-C1022.dwg		
1 : 500	Drawn	GB	
	Designed	GB	
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Project

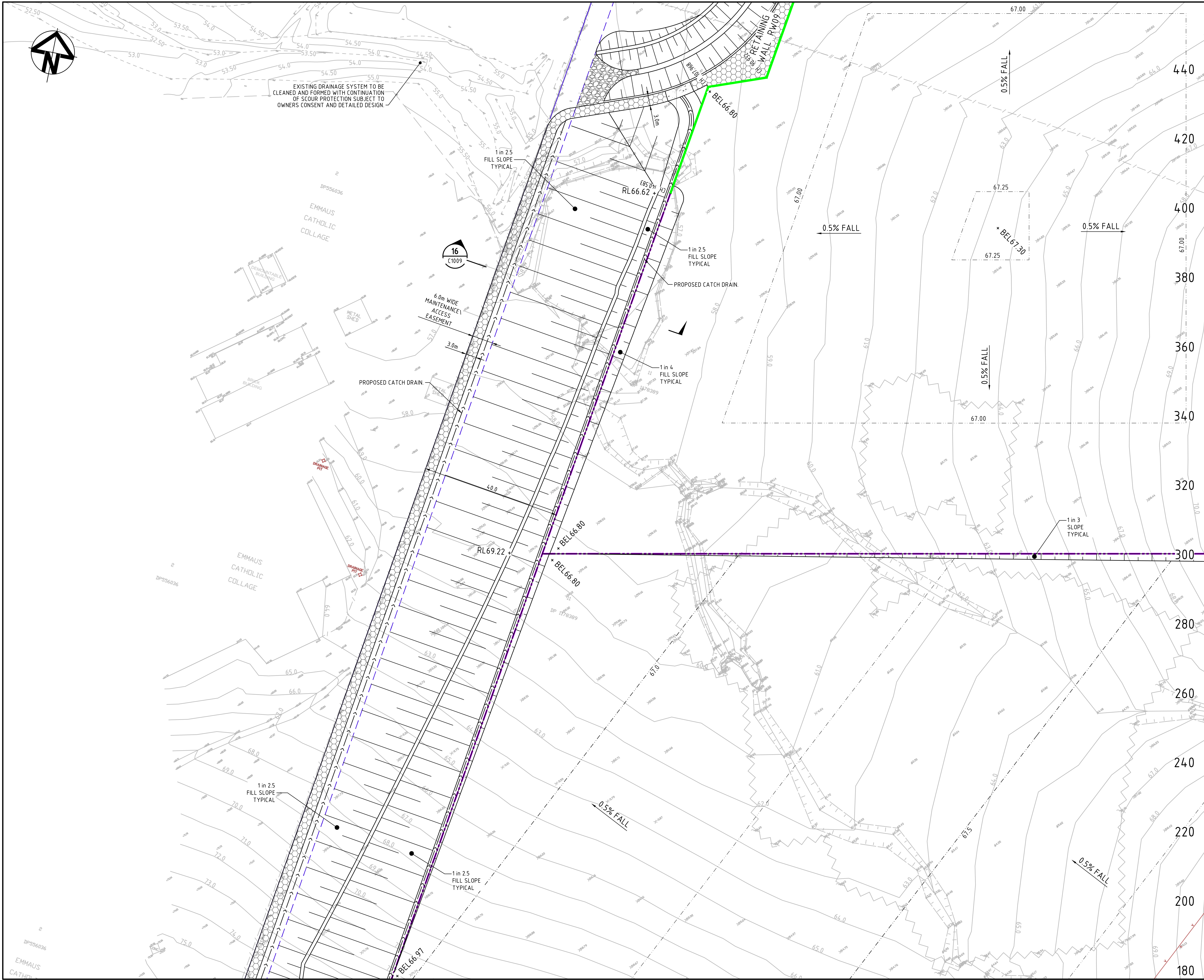
PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title

EARTHWORKS AND STORMWATER DRAINAGE PLAN

SHEET 8 OF 20

Drawing No.	Project No.	Issue
15-272-C1022	15-272	A3



KEYPLAN

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- CONSERVATION EXTENT
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED BULK EARTHWORKS LEVEL
- STORMWATER PIPE WITH SIZE
- SURFACE INLET PIT
- HEADWALL
- BOUNDARY CATCH DRAIN PIT AND PIPE SUBJECT TO DETAILED DESIGN
- PROPOSED STORMWATER PIT NUMBER
- PROPOSED RETAINING WALL - FILL
- PROPOSED RETAINING WALL - CUT
- FUTURE RETAINING WALL NOT PART OF THIS APPROVAL
- 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

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

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I.

Status	FOR APPROVAL		A1
NOT TO BE USED FOR CONSTRUCTION			
Scales	15-272-C1023.dwg		
1 : 500	Drawn	GB	
	Designed	GB	
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

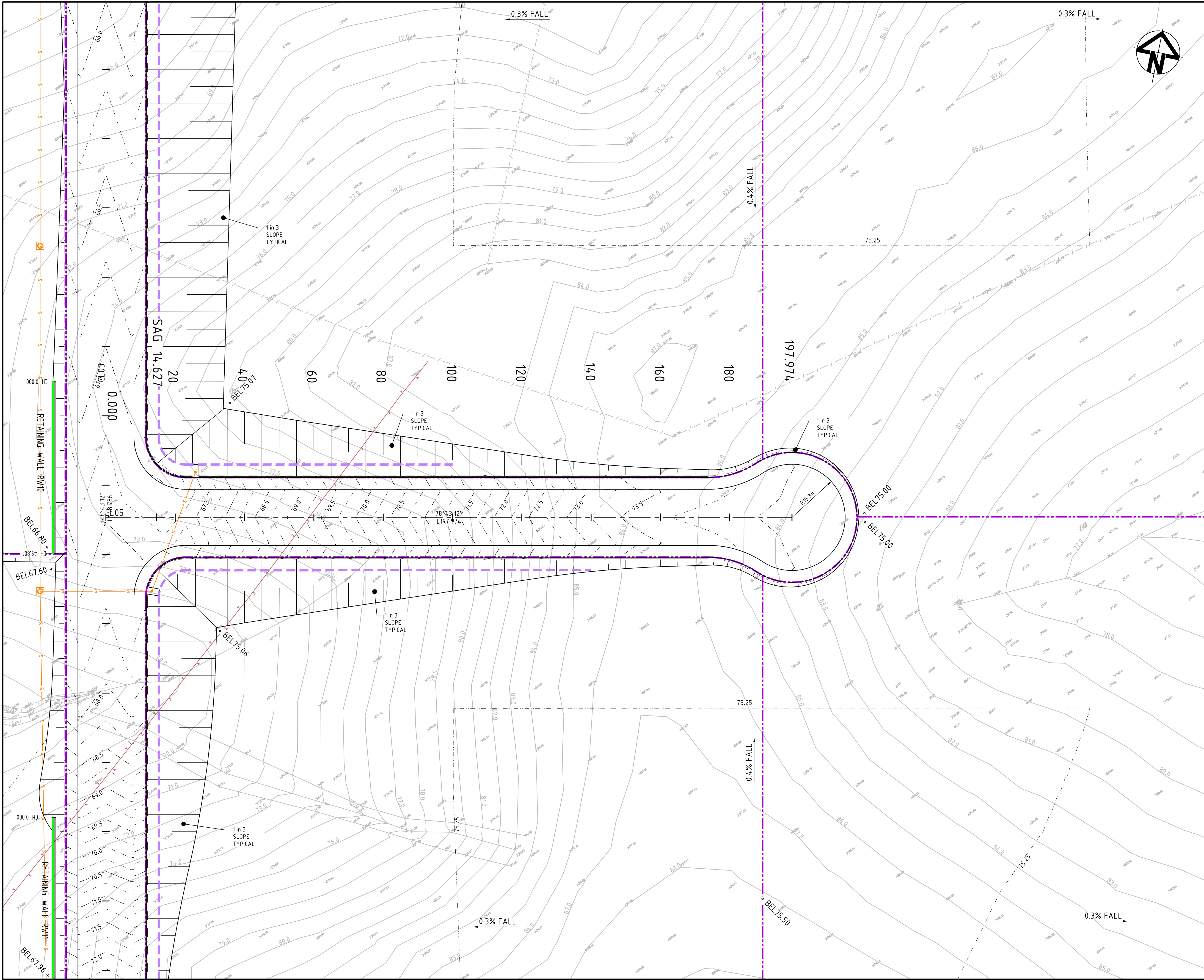
Project

PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title

EARTHWORKS AND STORMWATER DRAINAGE PLAN
SHEET 9 OF 20

Drawing No.	Project No.	Issue
15-272-C1023	15-272	A3



KEYPLAN

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- CONSERVATION EXTENT
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED BULK EARTHWORKS LEVEL
- STORMWATER PIPE WITH SIZE
- SURFACE INLET PIT
- HEADWALL
- BOUNDARY CATCH DRAIN PIT AND PIPE SUBJECT TO DETAILED DESIGN
- PROPOSED STORMWATER PIT NUMBER
- PROPOSED RETAINING WALL - FILL
- PROPOSED RETAINING WALL - CUT
- FUTURE RETAINING WALL NOT PART OF THIS APPROVAL
- 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

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

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I

Status	FOR APPROVAL		A1
NOT TO BE USED FOR CONSTRUCTION			
Scales	15-272-C1024.dwg		
1 : 500	Drawn	GB	
	Designed	GB	
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

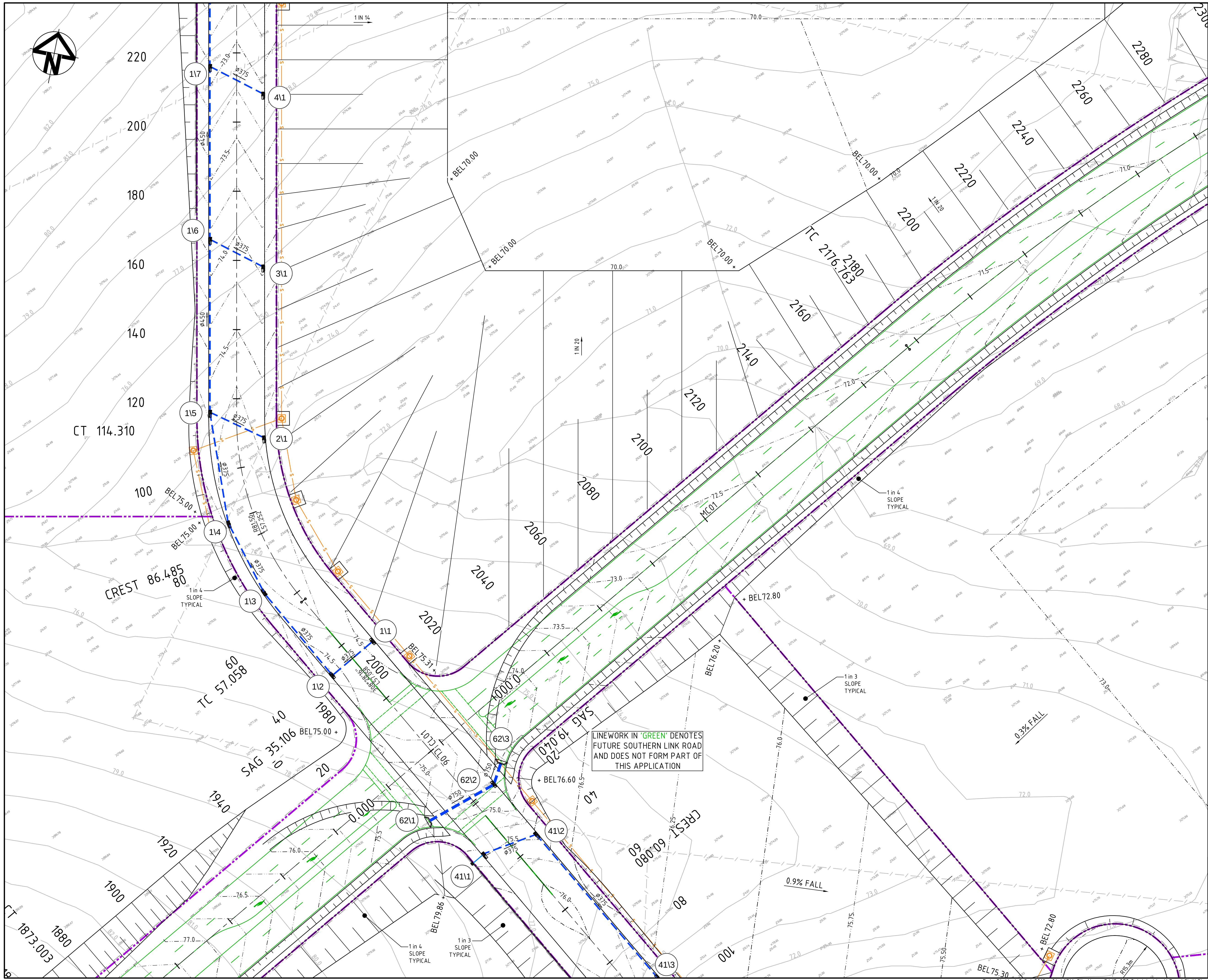
Project

PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title

EARTHWORKS AND STORMWATER DRAINAGE PLAN
SHEET 10 OF 20

Drawing No.	Project No.	Issue
15-272-C1024	15-272	A3



KEYPLAN

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- CONSERVATION EXTENT
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED BULK EARTHWORKS LEVEL
- STORMWATER PIPE WITH SIZE
- SURFACE INLET PIT
- HEADWALL
- BOUNDARY CATCH DRAIN PIT AND PIPE SUBJECT TO DETAILED DESIGN
- PROPOSED STORMWATER PIT NUMBER
- PROPOSED RETAINING WALL - FILL
- PROPOSED RETAINING WALL - CUT
- FUTURE RETAINING WALL NOT PART OF THIS APPROVAL
- 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

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

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I

Status

FOR 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

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Project

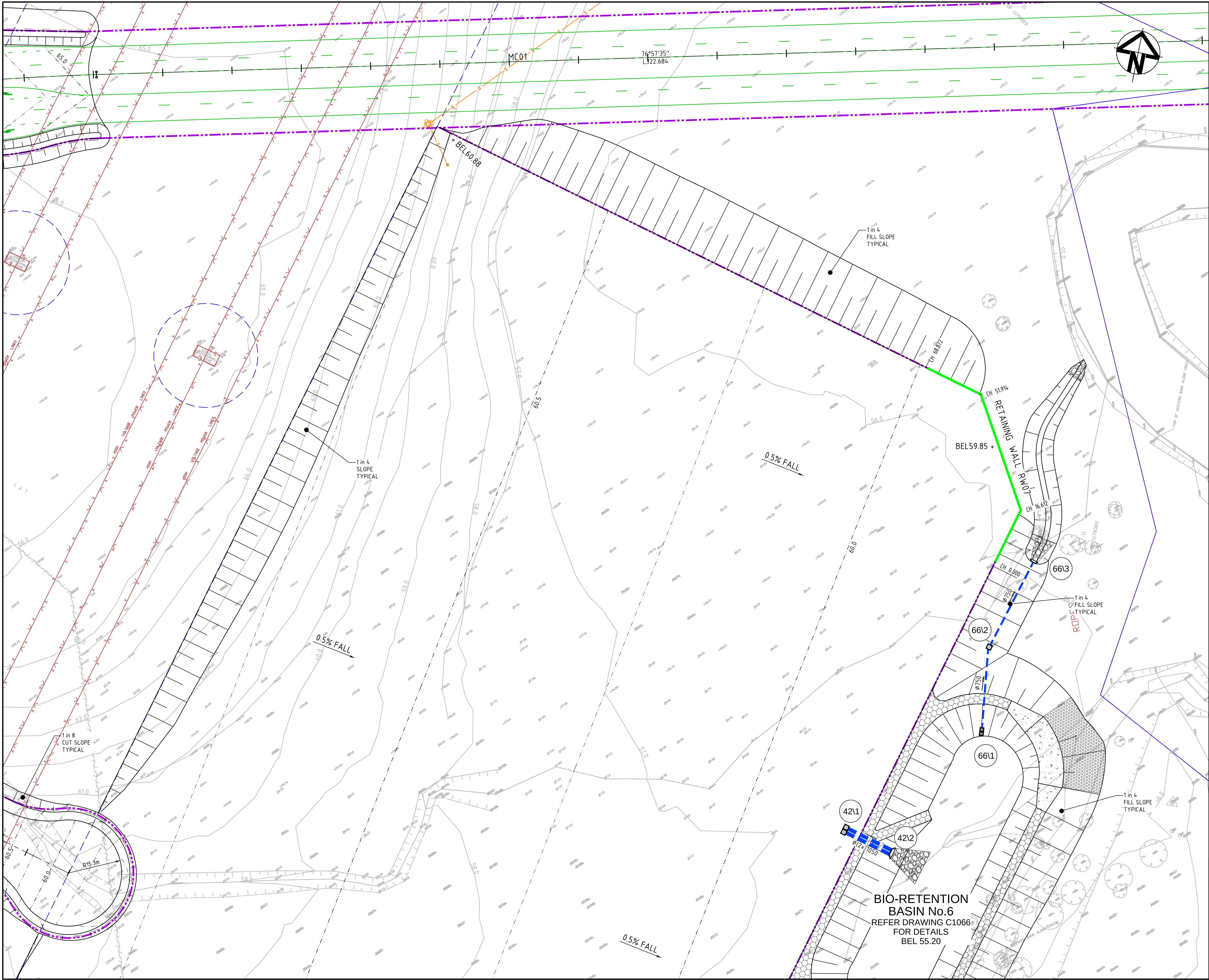
PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title

EARTHWORKS AND STORMWATER DRAINAGE PLAN

SHEET 11 OF 20

Drawing No.	Project No.	Issue
15-272-C1025	15-272	A3



KEYPLAN

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- CONSERVATION EXTENT
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED BULK EARTHWORKS LEVEL
- STORMWATER PIPE WITH SIZE
- SURFACE INLET PIT
- HEADWALL
- BOUNDARY CATCH DRAIN PIT AND PIPE SUBJECT TO DETAILED DESIGN
- PROPOSED STORMWATER PIT NUMBER
- PROPOSED RETAINING WALL - FILL
- PROPOSED RETAINING WALL - CUT
- FUTURE RETAINING WALL NOT PART OF THIS APPROVAL
- 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

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

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I

Status	FOR APPROVAL		A1
NOT TO BE USED FOR CONSTRUCTION			
Scales	15-272-C1027.dwg		
	1 : 500	Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Project

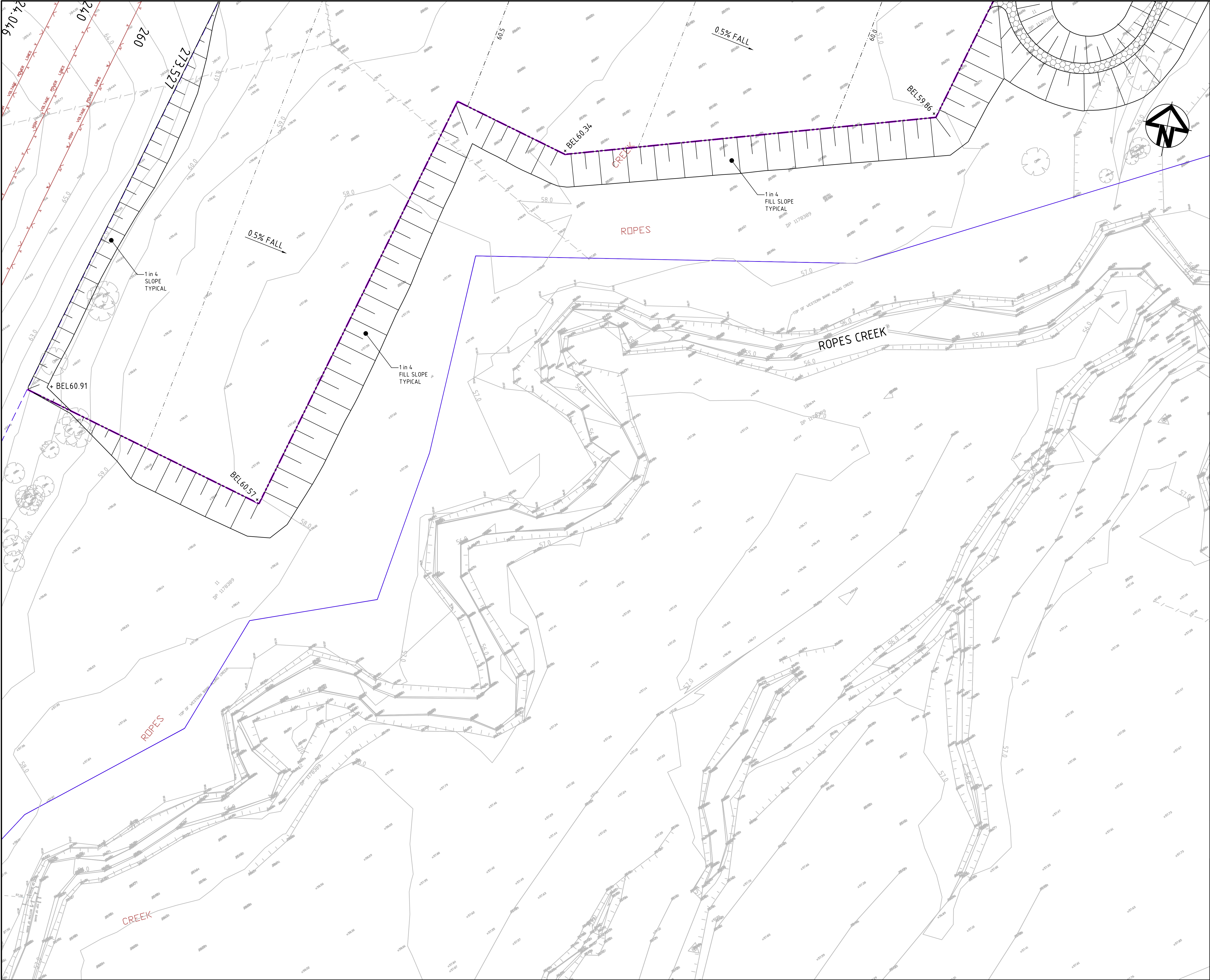
PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title

EARTHWORKS AND STORMWATER DRAINAGE PLAN

SHEET 13 OF 20

Drawing No.	Project No.	Issue
15-272-C1027	15-272	A3



KEYPLAN

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- CONSERVATION EXTENT
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED BULK EARTHWORKS LEVEL
- STORMWATER PIPE WITH SIZE
- SURFACE INLET PIT
- HEADWALL
- BOUNDARY CATCH DRAIN PIT AND PIPE SUBJECT TO DETAILED DESIGN
- PROPOSED STORMWATER PIT NUMBER
- PROPOSED RETAINING WALL - FILL
- PROPOSED RETAINING WALL - CUT
- FUTURE RETAINING WALL NOT PART OF THIS APPROVAL
- 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

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

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I

Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

Scales	1 : 500	15-272-C1028.dwg	
		Drawn	GB
		Designed	GB

Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

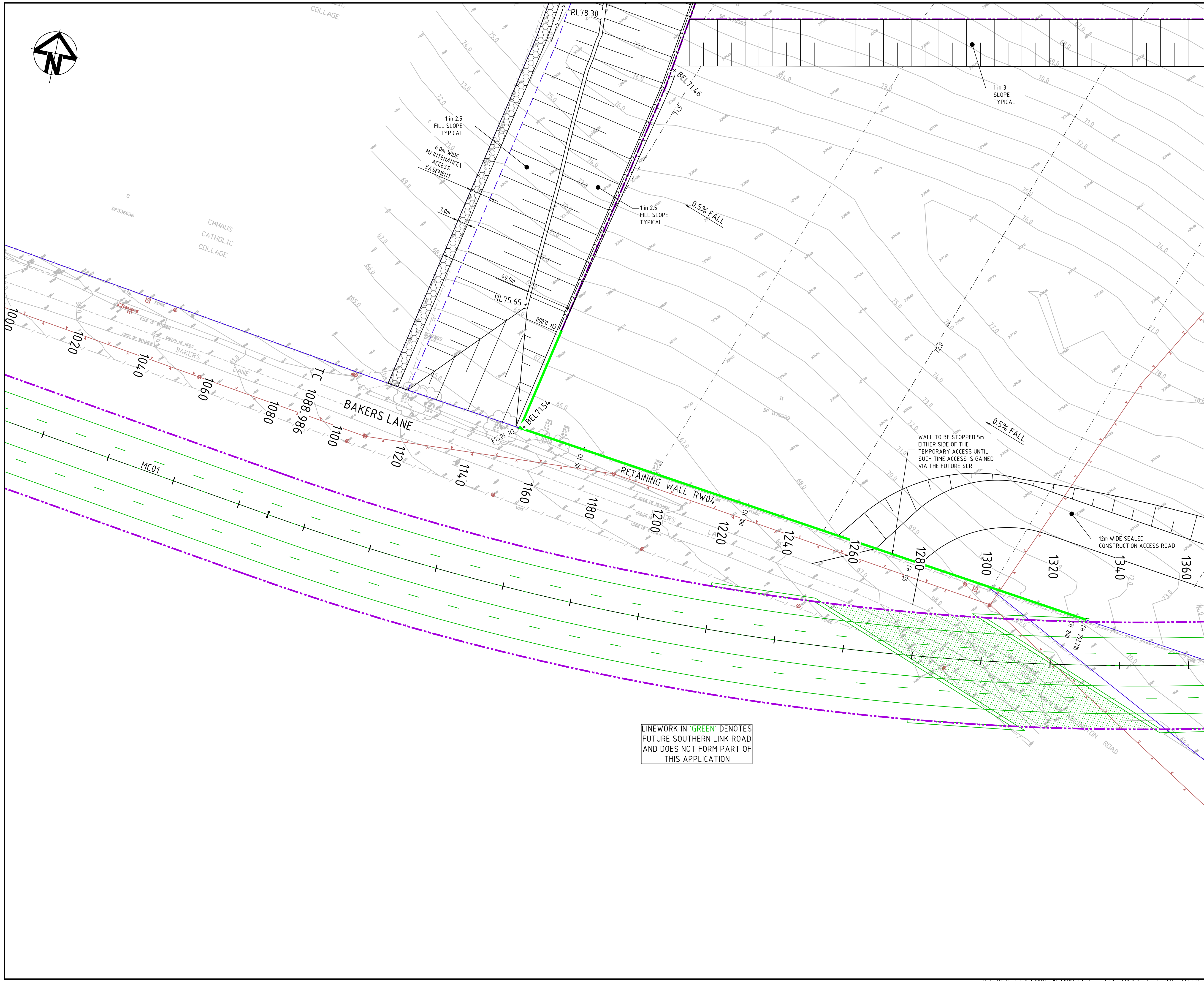
Project

PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title

EARTHWORKS AND STORMWATER DRAINAGE PLAN
SHEET 14 OF 20

Drawing No.	Project No.	Issue
15-272-C1028	15-272	A3



KEYPLAN

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- CONSERVATION EXTENT
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED BULK EARTHWORKS LEVEL
- STORMWATER PIPE WITH SIZE
- SURFACE INLET PIT
- HEADWALL
- BOUNDARY CATCH DRAIN PIT AND PIPE SUBJECT TO DETAILED DESIGN
- PROPOSED STORMWATER PIT NUMBER
- PROPOSED RETAINING WALL - FILL
- PROPOSED RETAINING WALL - CUT
- FUTURE RETAINING WALL NOT PART OF THIS APPROVAL
- 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

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

Issue	Description	Date

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I

Status

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

A1

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

Client

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Project

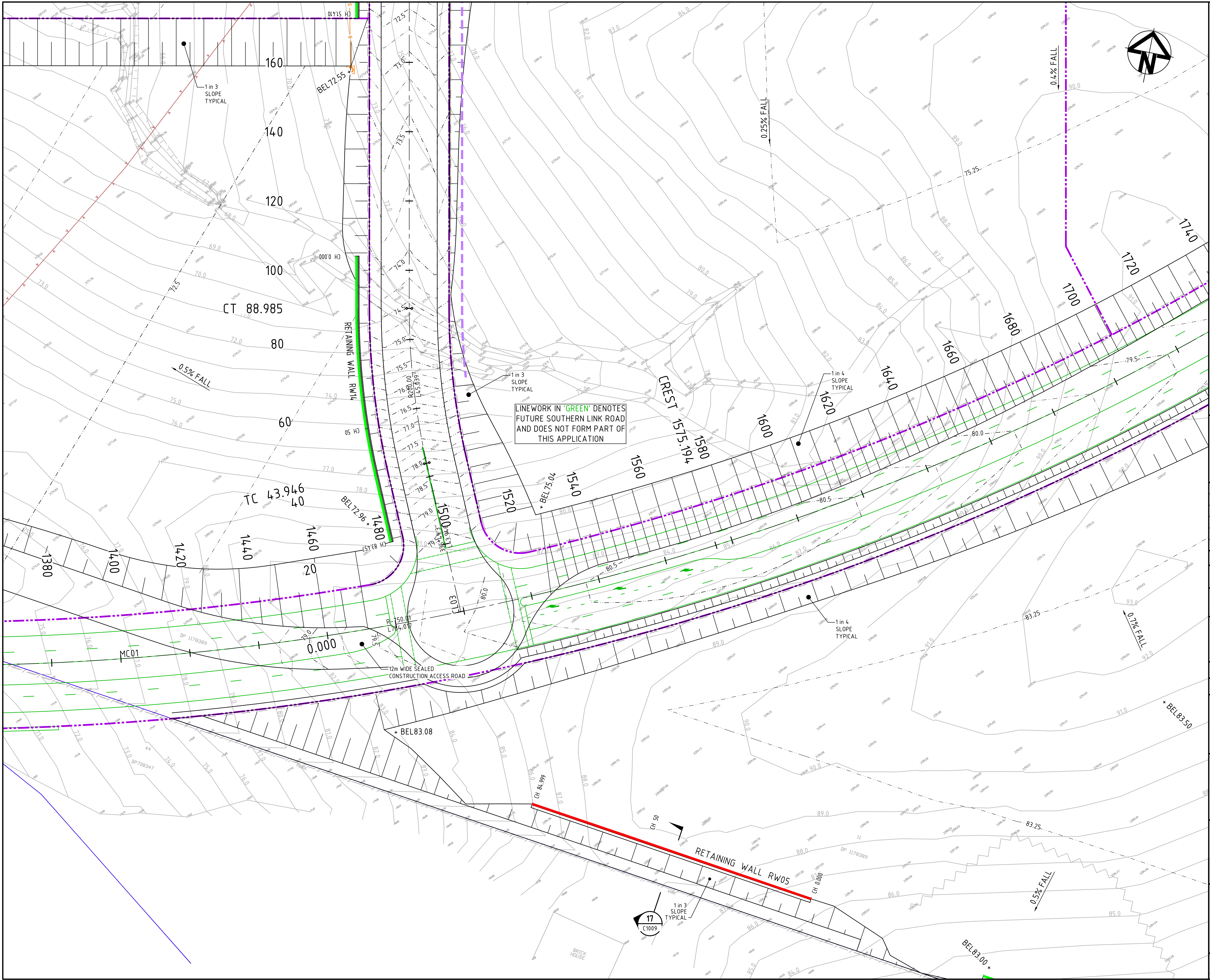
PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title

EARTHWORKS AND STORMWATER DRAINAGE PLAN

SHEET 15 OF 20

Drawing No.	Project No.	Issue
15-272-C1029	15-272	A4



KEYPLAN

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- CONSERVATION EXTENT
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED BULK EARTHWORKS LEVEL
- STORMWATER PIPE WITH SIZE
- SURFACE INLET PIT
- HEADWALL
- BOUNDARY CATCH DRAIN PIT AND PIPE SUBJECT TO DETAILED DESIGN
- PROPOSED STORMWATER PIT NUMBER
- PROPOSED RETAINING WALL - FILL
- PROPOSED RETAINING WALL - CUT
- FUTURE RETAINING WALL NOT PART OF THIS APPROVAL
- 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

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

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I

Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

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

Client

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Project

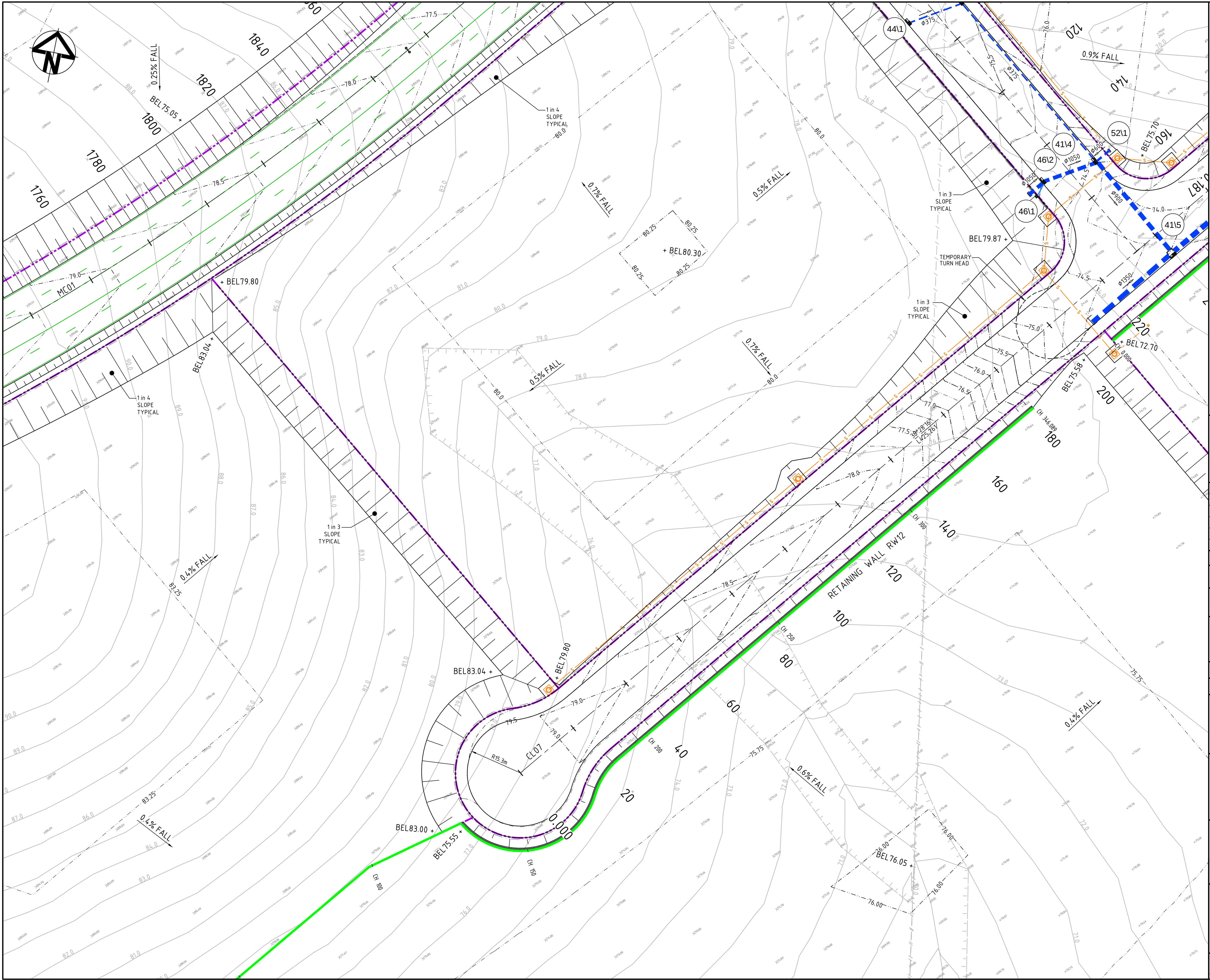
PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title

EARTHWORKS AND STORMWATER DRAINAGE PLAN
SHEET 16 OF 20

Drawing No.	Project No.	Issue
15-272-C1030	15-272	A3

100mm on Original Date Plotted: 5 Oct 2018 - 04:50PM File Name: F:\15-272 Oakdale West\Drgs\Civil\Final\SSDA\1000_Infrastructure Package\15-272-C1030.dwg V1



KEYPLAN

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- CONSERVATION EXTENT
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED BULK EARTHWORKS LEVEL
- STORMWATER PIPE WITH SIZE
- SURFACE INLET PIT HEADWALL
- BOUNDARY CATCH DRAIN PIT AND PIPE SUBJECT TO DETAILED DESIGN
- PROPOSED STORMWATER PIT NUMBER
- PROPOSED RETAINING WALL - FILL
- PROPOSED RETAINING WALL - CUT
- FUTURE RETAINING WALL NOT PART OF THIS APPROVAL
- 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

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

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I

Status	FOR APPROVAL		A1
NOT TO BE USED FOR CONSTRUCTION			
Scales	15-272-C1031.dwg		
1 : 500	Drawn	GB	
	Designed	GB	
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

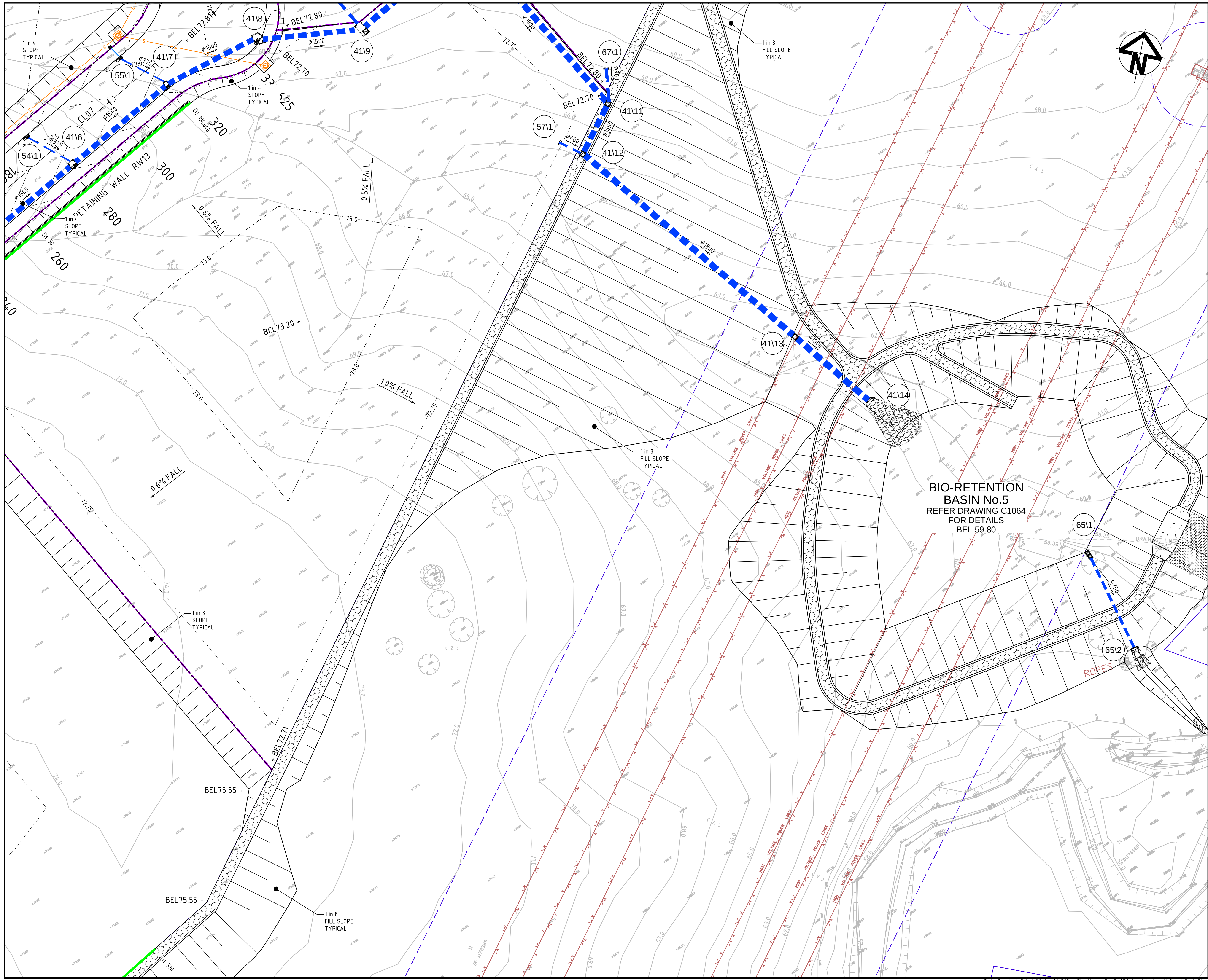
Project

PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title

EARTHWORKS AND STORMWATER DRAINAGE PLAN
SHEET 17 OF 20

Drawing No.	Project No.	Issue
15-272-C1031	15-272	A3



KEYPLAN

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- CONSERVATION EXTENT
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED BULK EARTHWORKS LEVEL
- STORMWATER PIPE WITH SIZE
- SURFACE INLET PIT
- HEADWALL
- BOUNDARY CATCH DRAIN PIT AND PIPE SUBJECT TO DETAILED DESIGN
- PROPOSED STORMWATER PIT NUMBER
- PROPOSED RETAINING WALL - FILL
- PROPOSED RETAINING WALL - CUT
- FUTURE RETAINING WALL NOT PART OF THIS APPROVAL
- 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

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
THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L		

Status		FOR APPROVAL		A1	
Scales		15-272-C1032.dwg			
1 : 500	Drawn	GB			
	Designed	GB			
Height Datum	AHD	Checked	AM		
Grid	MGA	Approved	AM		

Client

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
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 18 OF 20

Drawing No.	Project No.	Issue
15-272-C1032	15-272	A3



KEYPLAN

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- CONSERVATION EXTENT
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED BULK EARTHWORKS LEVEL
- STORMWATER PIPE WITH SIZE
- SURFACE INLET PIT
- HEADWALL
- BOUNDARY CATCH DRAIN PIT AND PIPE SUBJECT TO DETAILED DESIGN
- PROPOSED STORMWATER PIT NUMBER
- PROPOSED RETAINING WALL - FILL
- PROPOSED RETAINING WALL - CUT
- FUTURE RETAINING WALL NOT PART OF THIS APPROVAL
- 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

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
THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I.		

Status		FOR APPROVAL		A1	
NOT TO BE USED FOR CONSTRUCTION					

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

Client

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Project

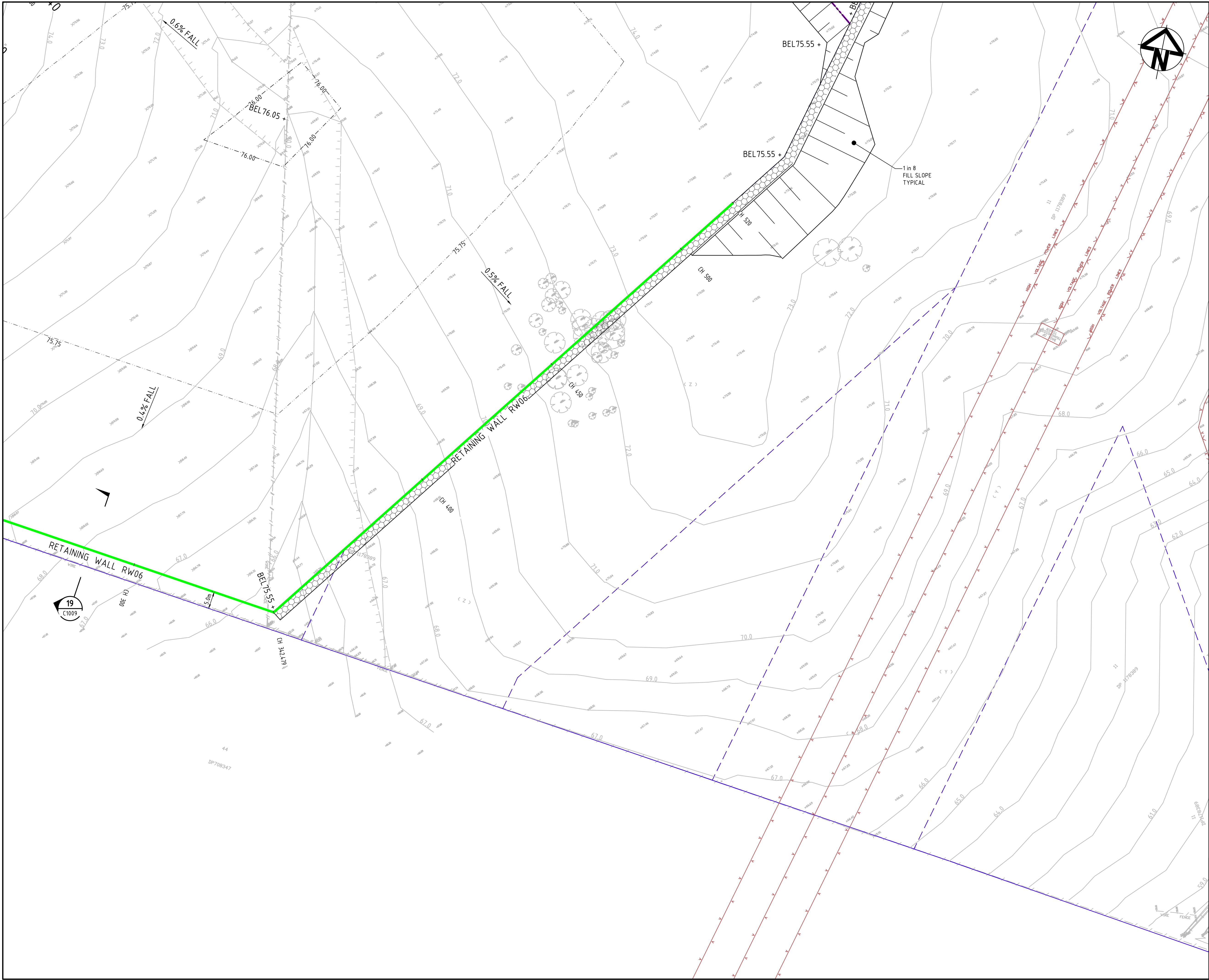
PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title

EARTHWORKS AND STORMWATER DRAINAGE PLAN

SHEET 19 OF 20

Drawing No.	Project No.	Issue
15-272-C1033	15-272	A3



KEYPLAN

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- CONSERVATION EXTENT
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED BULK EARTHWORKS LEVEL
- STORMWATER PIPE WITH SIZE
- SURFACE INLET PIT
- HEADWALL
- BOUNDARY CATCH DRAIN PIT AND PIPE SUBJECT TO DETAILED DESIGN
- PROPOSED STORMWATER PIT NUMBER
- PROPOSED RETAINING WALL - FILL
- PROPOSED RETAINING WALL - CUT
- FUTURE RETAINING WALL NOT PART OF THIS APPROVAL
- 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

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

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I

Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

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

Client

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

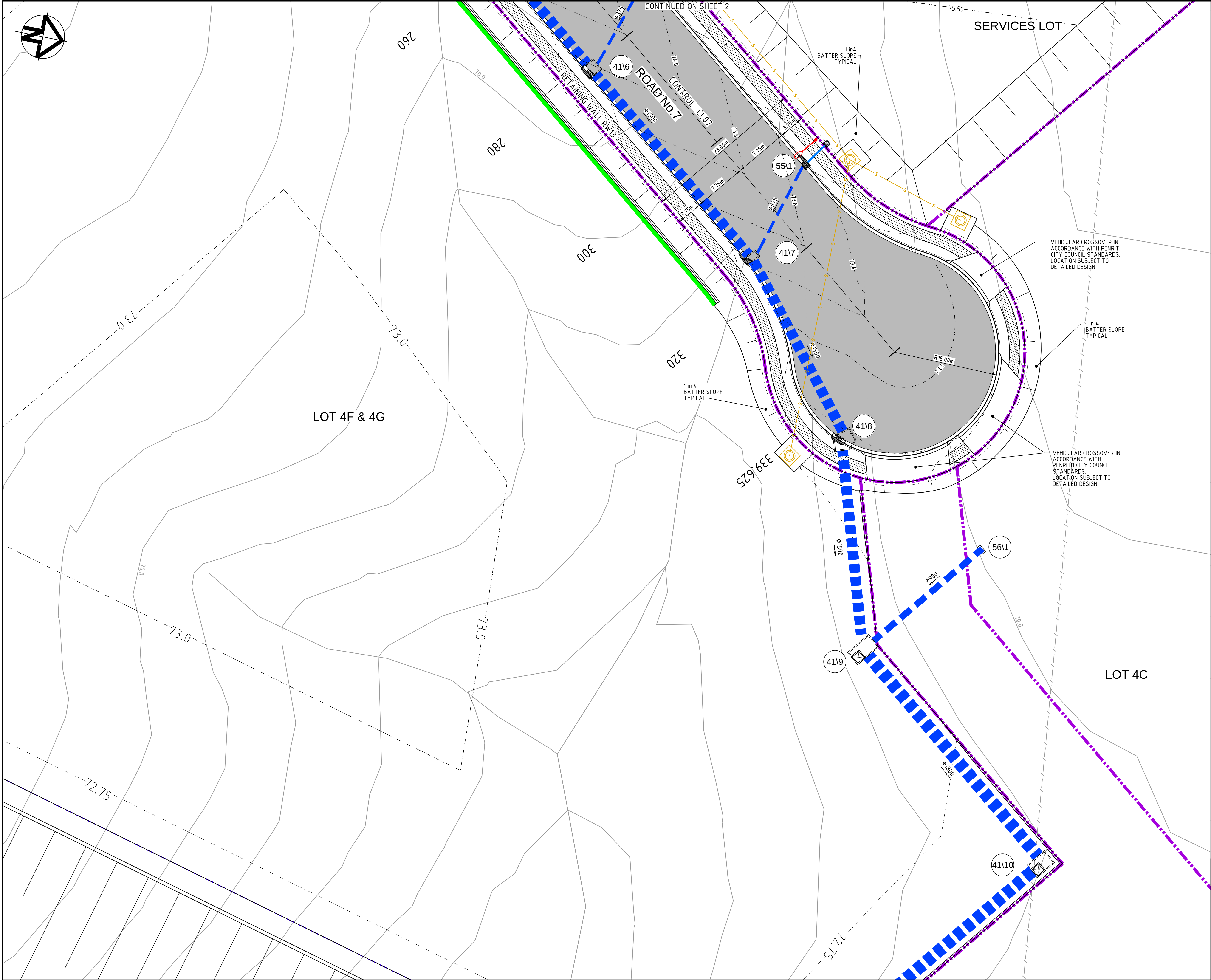
Project

PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title

EARTHWORKS AND STORMWATER DRAINAGE PLAN
SHEET 20 OF 20

Drawing No.	Project No.	Issue
15-272-C1034	15-272	A3



KEYPLAN

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- EXISTING CONTOUR
- PROPOSED BOUNDARY
- PROPOSED CONTOUR
- PROPOSED KERB AND GUTTER
- PROPOSED STORMWATER PIPE WITH SIZE
- PROPOSED KERB INLET PIT
- PROPOSED HEADWALL
- BOUNDARY CATCH DRAIN PIT AND PIPE SUBJECT TO DETAILED DESIGN
- 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

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

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I.

Status		FOR APPROVAL		A1	
Scales		15-272-C1040.dwg			
	1 : 250	Drawn	GB		
		Designed	GB		
Height Datum	AHD	Checked	AM		
Grid	MGA	Approved	AM		

Client

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

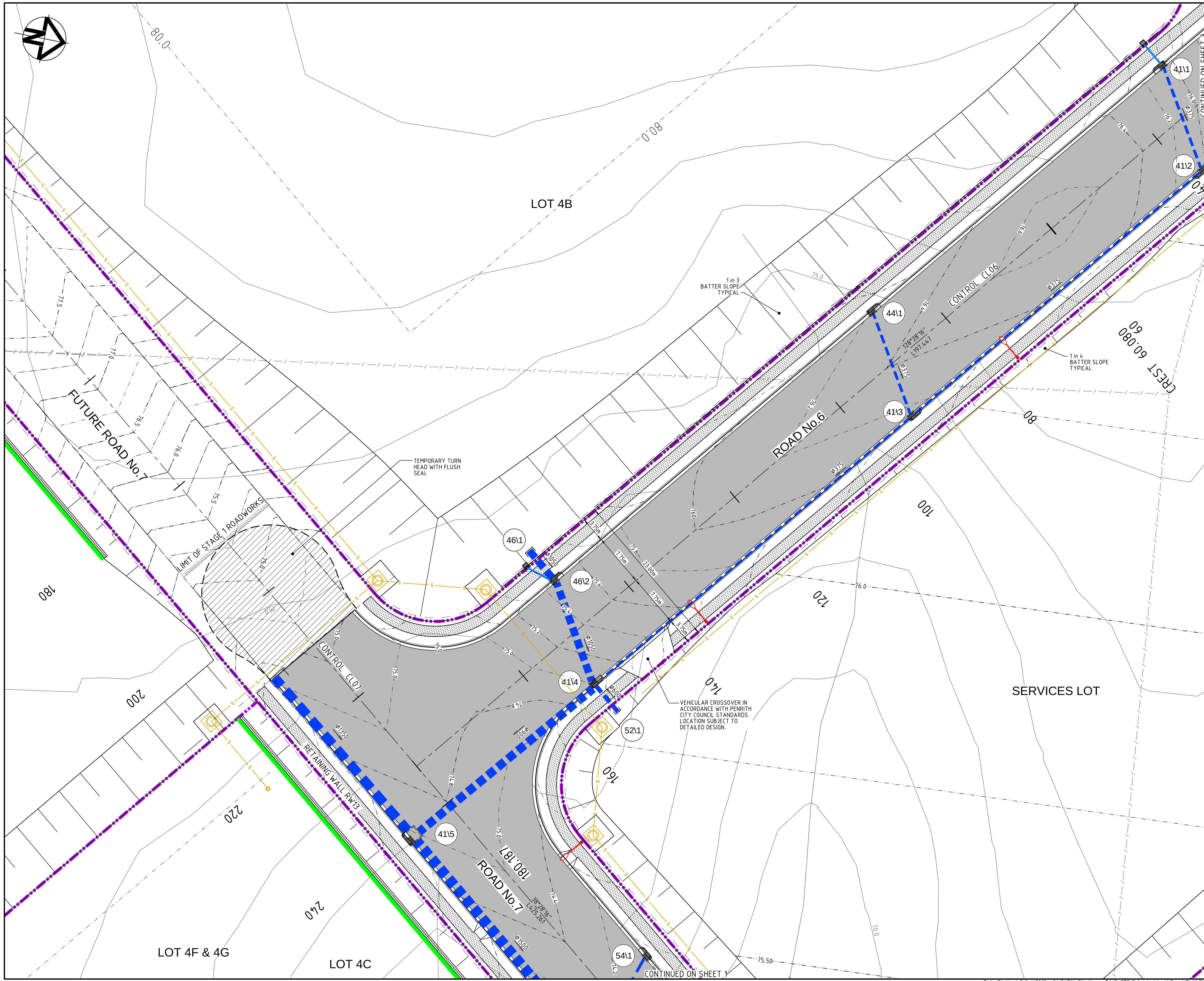
Project

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	A3



KEYPLAN

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- EXISTING CONTOUR
- PROPOSED BOUNDARY
- PROPOSED CONTOUR
- PROPOSED KERB AND GUTTER
- PROPOSED STORMWATER PIPE WITH SIZE
- PROPOSED KERB INLET PIT
- PROPOSED HEADWALL
- BOUNDARY CATCH DRAIN PIT AND PIPE SUBJECT TO DETAILED DESIGN
- 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

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

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I.

Status	FOR APPROVAL		A1
NOT TO BE USED FOR CONSTRUCTION			

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

Client

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

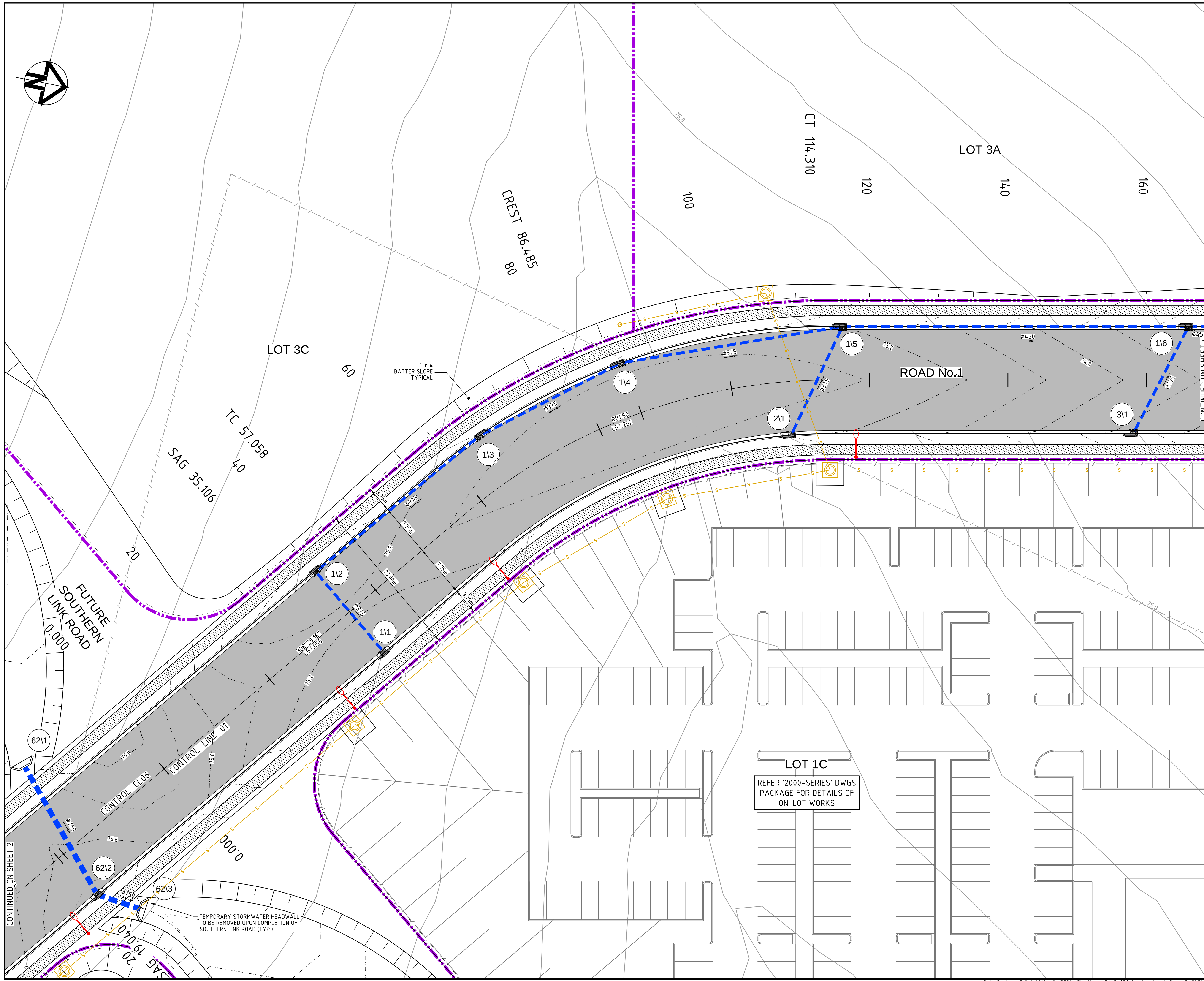
Project

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	A3



KEYPLAN

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- EXISTING CONTOUR
- PROPOSED BOUNDARY
- PROPOSED CONTOUR
- PROPOSED KERB AND GUTTER
- PROPOSED STORMWATER PIPE WITH SIZE
- PROPOSED KERB INLET PIT
- PROPOSED HEADWALL
- BOUNDARY CATCH DRAIN PIT AND PIPE SUBJECT TO DETAILED DESIGN
- 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

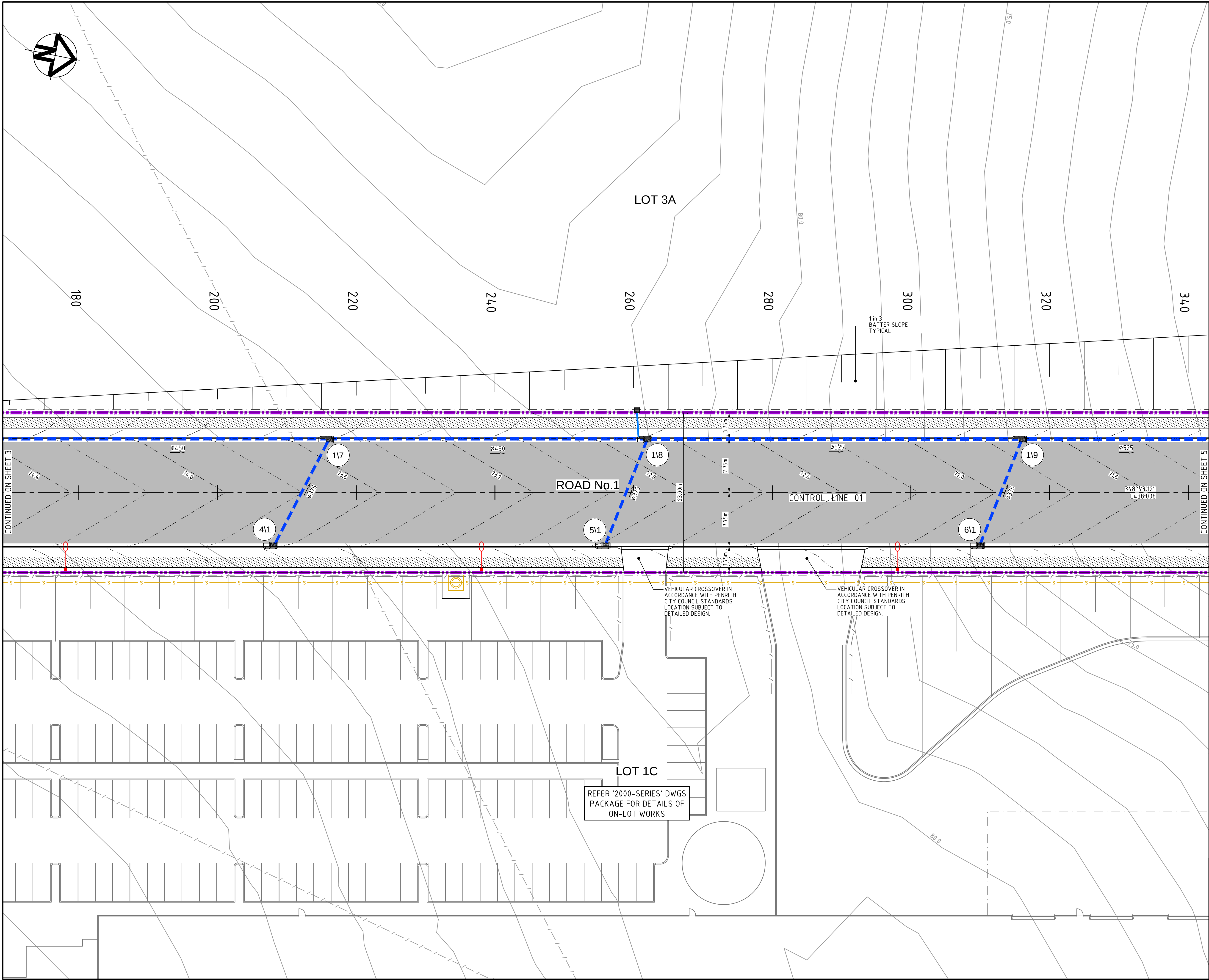
1 : 250 @ A1 1 : 500 @ A3

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

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I.

Status	FOR APPROVAL		A1
NOT TO BE USED FOR CONSTRUCTION			
Scales	15-272-C1042.dwg		
1 : 250	Drawn	GB	
	Designed	GB	
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM
Client			
Civil Engineers and Project Managers			
		Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au	
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	A3	



KEYPLAN

LEGEND

Bar Scales

0 5 10 15 20

1: 250 @ A1 1: 500 @ A3

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
THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I.		
Status	FOR APPROVAL A1	
Scales	15-272-C1043.dwg	
	1 : 250	
	Drawn	GB
	Designed	GB
Height Datum	AHD	Checked AM
Grid	MGA	Approved AM

Client

Goodman

Civil Engineers and Project Managers

at&i

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

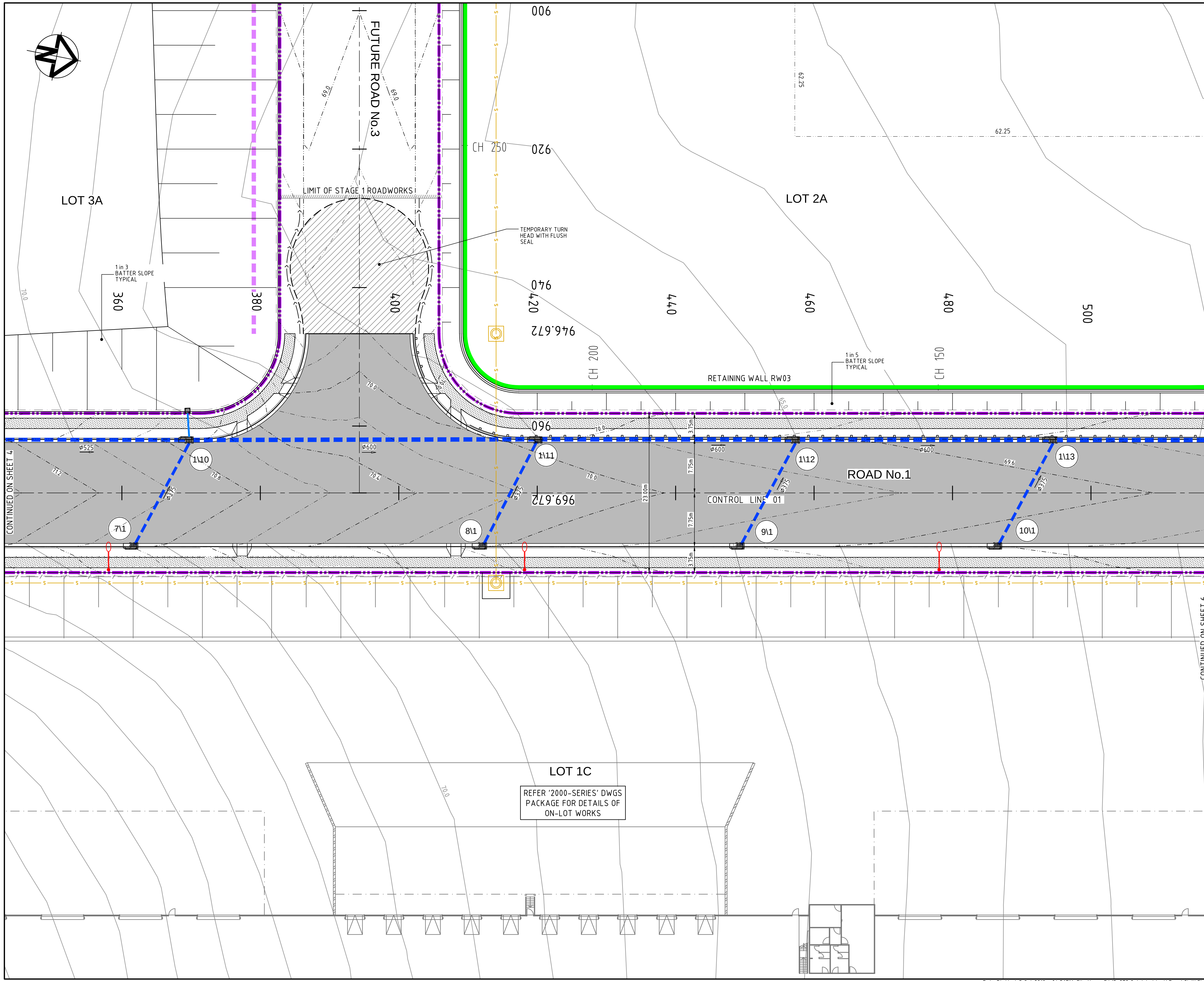
Project

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	A3



KEYPLAN

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- EXISTING CONTOUR
- PROPOSED BOUNDARY
- PROPOSED CONTOUR
- PROPOSED KERB AND GUTTER
- PROPOSED STORMWATER PIPE WITH SIZE
- PROPOSED KERB INLET PIT
- PROPOSED HEADWALL
- BOUNDARY CATCH DRAIN PIT AND PIPE SUBJECT TO DETAILED DESIGN
- 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

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

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I.

Status

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

A1

15-272-C1044.dwg	Drawn	GB
	Designed	GB
	Checked	AM
	Approved	AM

Height Datum: AHD

Grid: MGA

Client

Civil Engineers and Project Managers

at&i

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Project

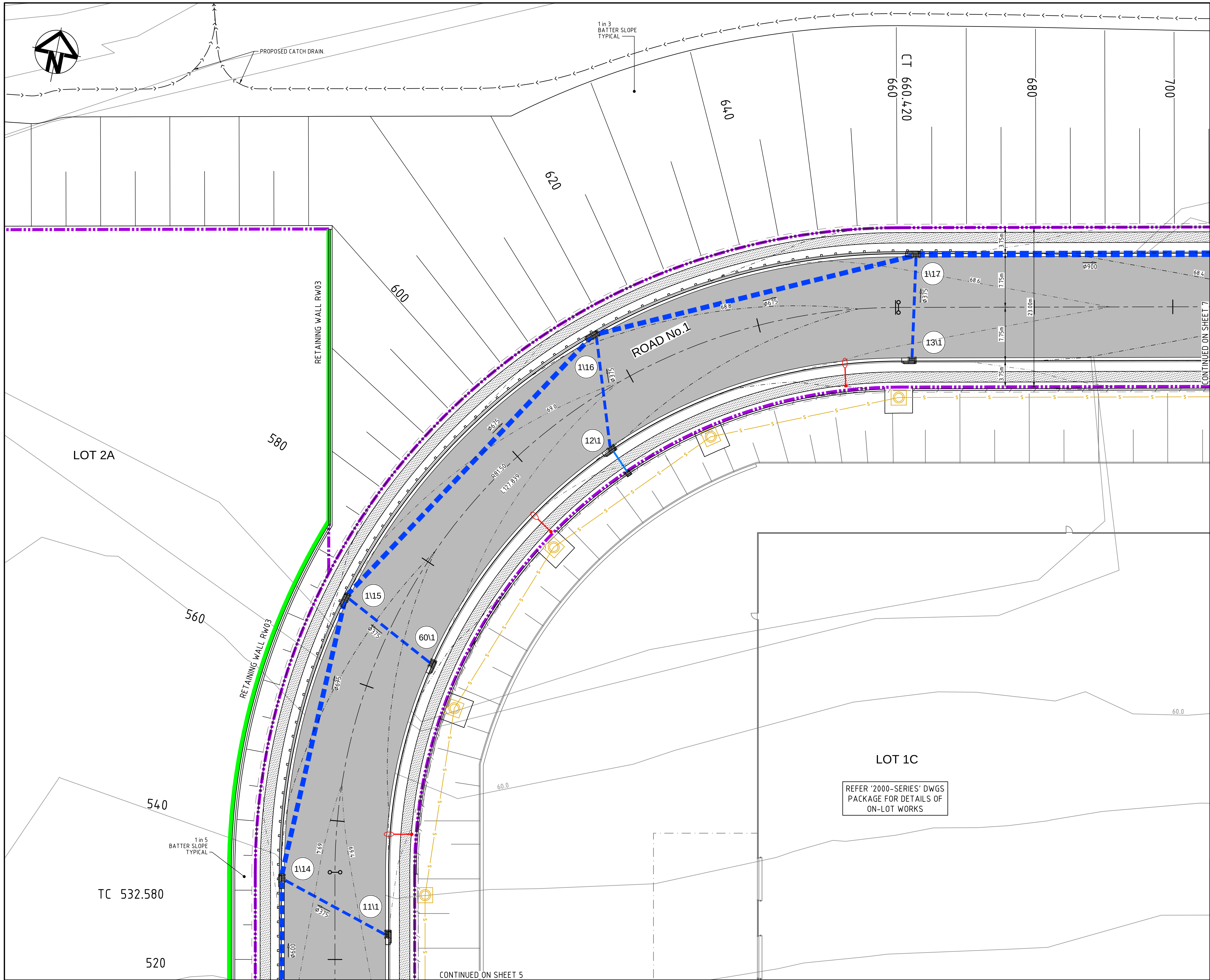
PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title

ROADWORKS AND STORMWATER DRAINAGE PLAN

SHEET 5 OF 10

Drawing No.	Project No.	Issue
15-272-C1044	15-272	A3



KEYPLAN

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- EXISTING CONTOUR
- PROPOSED BOUNDARY
- PROPOSED CONTOUR
- PROPOSED KERB AND GUTTER
- PROPOSED STORMWATER PIPE WITH SIZE
- PROPOSED KERB INLET PIT
- PROPOSED HEADWALL
- BOUNDARY CATCH DRAIN PIT AND PIPE SUBJECT TO DETAILED DESIGN
- PROPOSED STORMWATER PIT NUMBER
- PROPOSED RETAINING WALL - FILL
- PROPOSED RETAINING WALL - CUT
- 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

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

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I.

Status

FOR 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

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Project

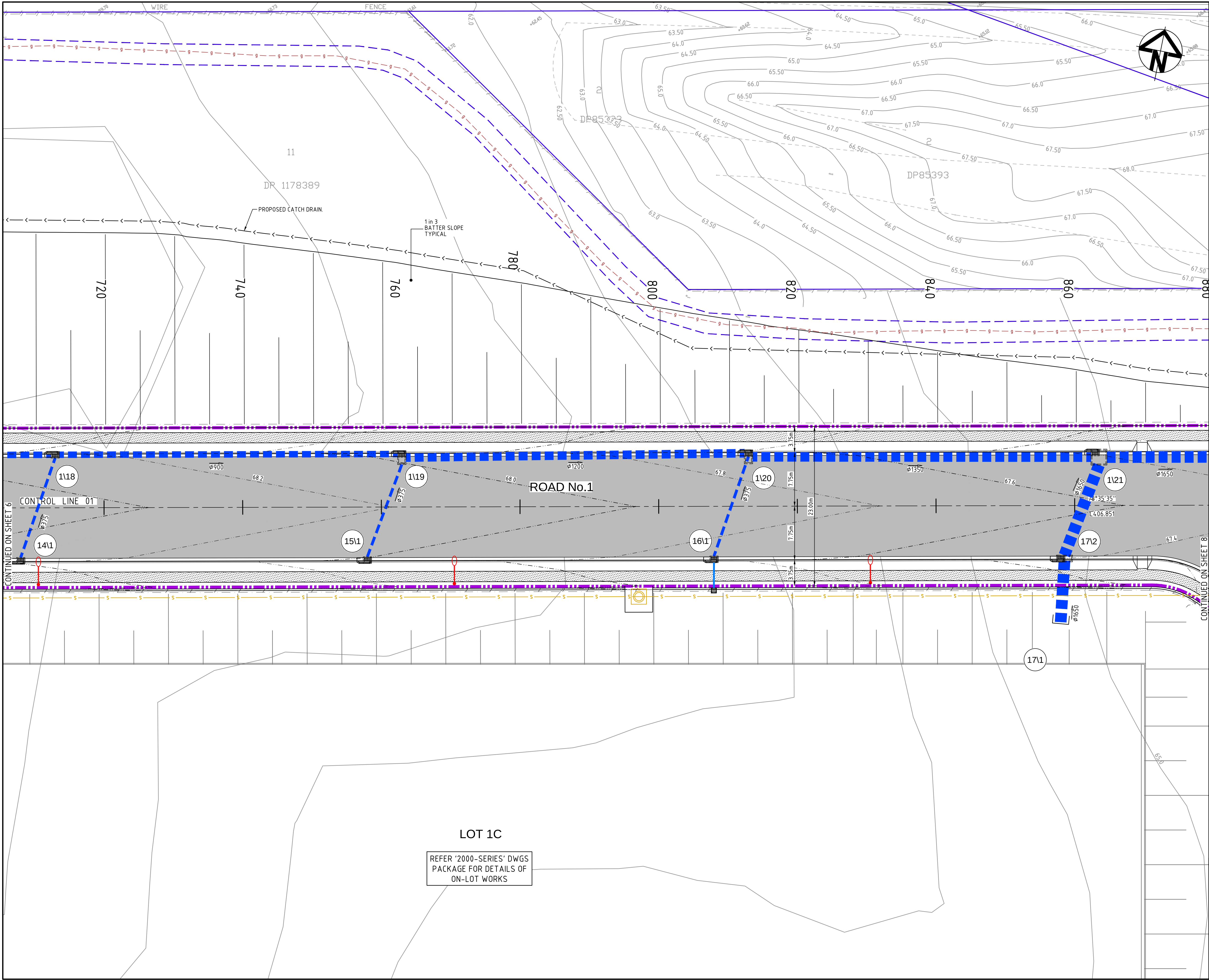
PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title

ROADWORKS AND STORMWATER DRAINAGE PLAN

SHEET 6 OF 10

Drawing No.	Project No.	Issue
15-272-C1045	15-272	A3



KEYPLAN

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- EXISTING CONTOUR
- PROPOSED BOUNDARY
- PROPOSED CONTOUR
- PROPOSED KERB AND GUTTER
- PROPOSED STORMWATER PIPE WITH SIZE
- PROPOSED STORMWATER INLET PIT
- PROPOSED HEADWALL
- BOUNDARY CATCH DRAIN PIT AND PIPE SUBJECT TO DETAILED DESIGN
- 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

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

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I

Status

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

A1

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

Client

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Project

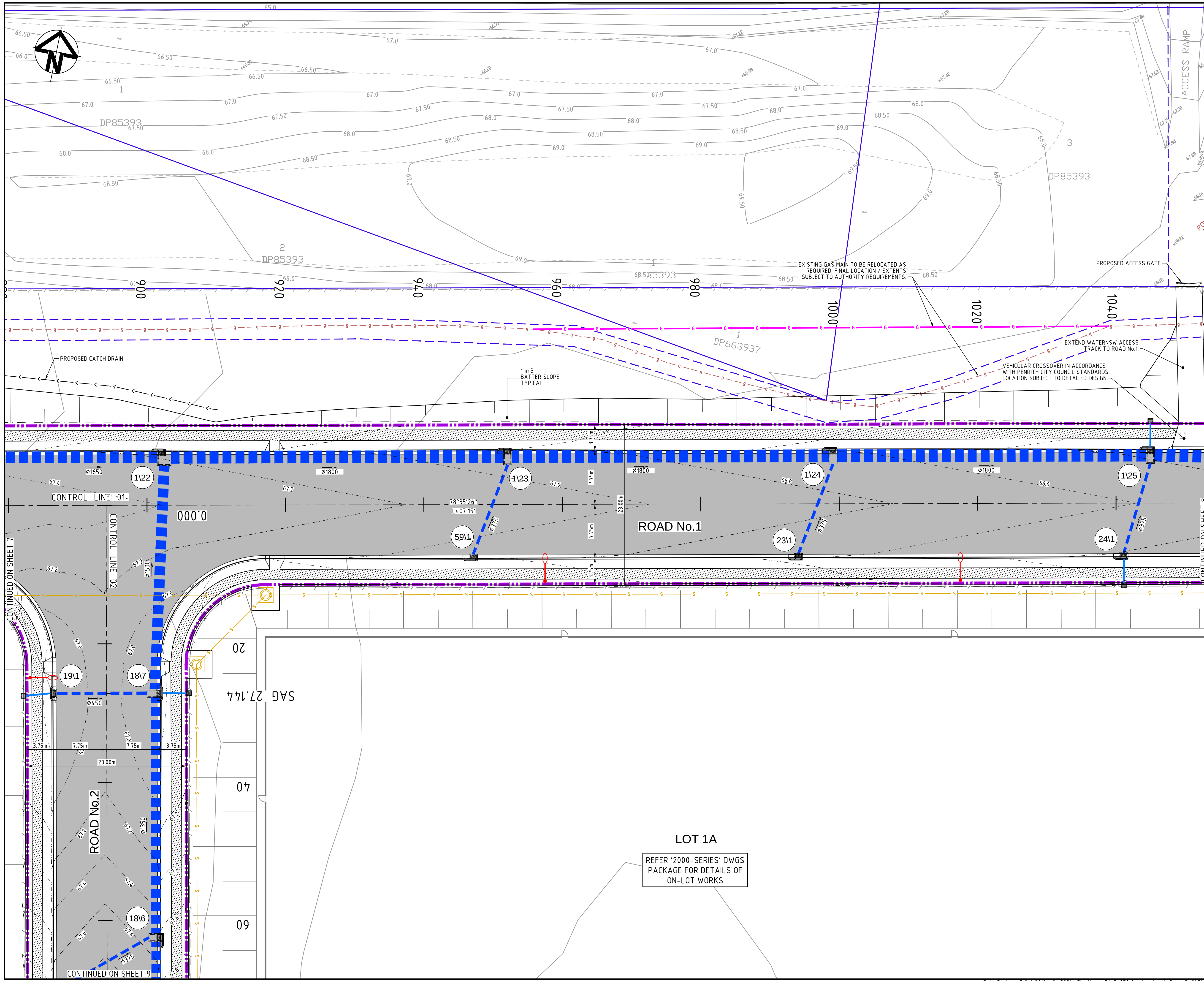
PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title

ROADWORKS AND STORMWATER DRAINAGE PLAN

SHEET 7 OF 10

Drawing No.	Project No.	Issue
15-272-C1046	15-272	A3



KEYPLAN

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- EXISTING CONTOUR
- PROPOSED BOUNDARY
- PROPOSED CONTOUR
- PROPOSED KERB AND GUTTER
- PROPOSED STORMWATER PIPE WITH SIZE
- PROPOSED STORMWATER PIPE INLET PIT
- PROPOSED HEADWALL
- BOUNDARY CATCH DRAIN PIT AND PIPE SUBJECT TO DETAILED DESIGN
- 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
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I

Status

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

A1

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

Client

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Project

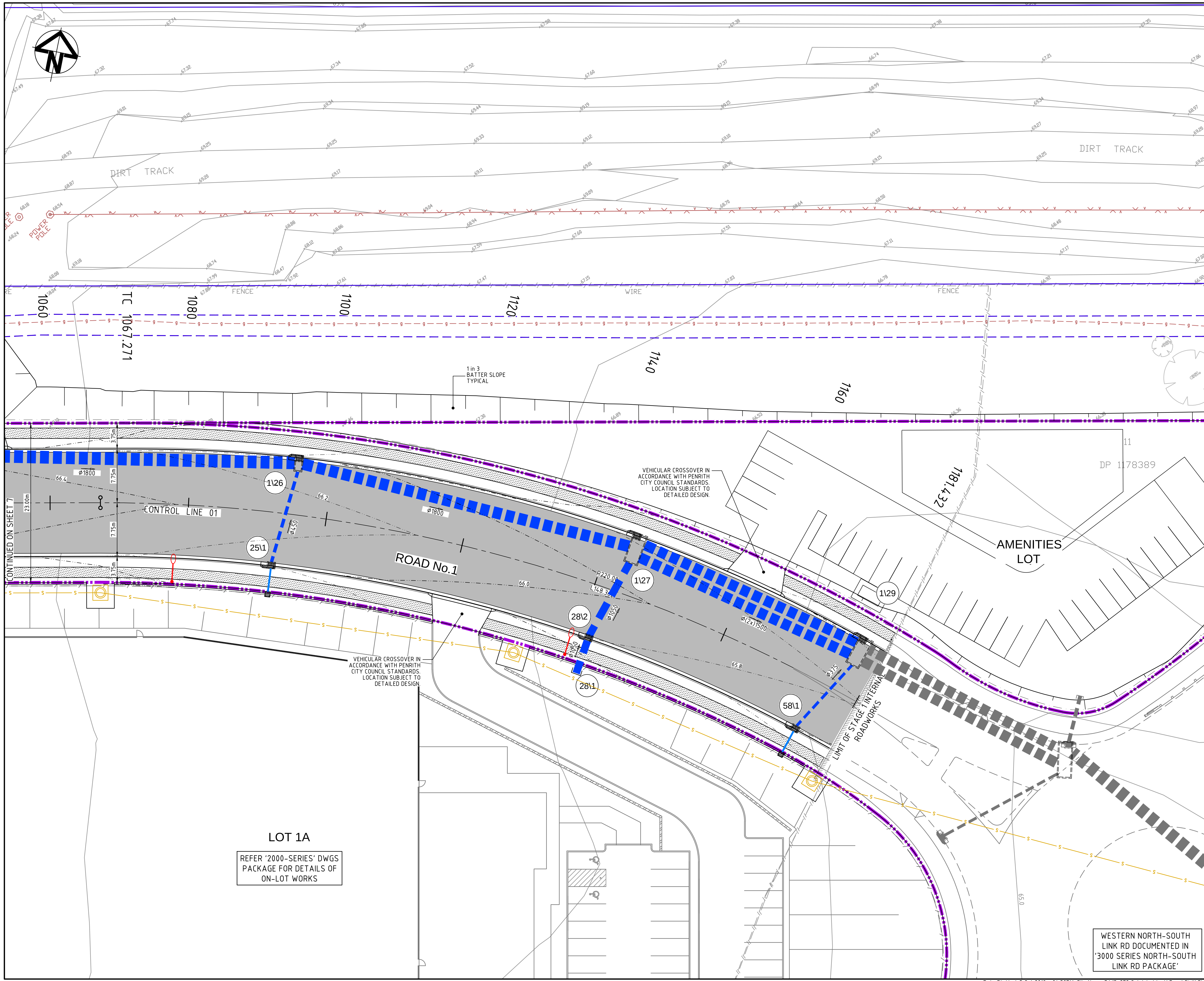
PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title

ROADWORKS AND STORMWATER DRAINAGE PLAN

SHEET 8 OF 10

Drawing No.	Project No.	Issue
15-272-C1047	15-272	A3



KEYPLAN

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- EXISTING CONTOUR
- PROPOSED BOUNDARY
- PROPOSED CONTOUR
- PROPOSED KERB AND GUTTER
- PROPOSED STORMWATER PIPE WITH SIZE
- PROPOSED KERB INLET PIT
- PROPOSED HEADWALL
- BOUNDARY CATCH DRAIN PIT AND PIPE SUBJECT TO DETAILED DESIGN
- 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
A2	ISSUED FOR SSD APPROVAL	21-09-18
A1	ISSUED FOR SSD APPROVAL	04-05-18

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I

Status

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

A1

Scale	15-272-C1048.dwg
1 : 250	Drawn GB
	Designed GB
Height Datum	AHD
Grid	MGA
Client	Goodman

Civil Engineers and Project Managers

at&i

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Project

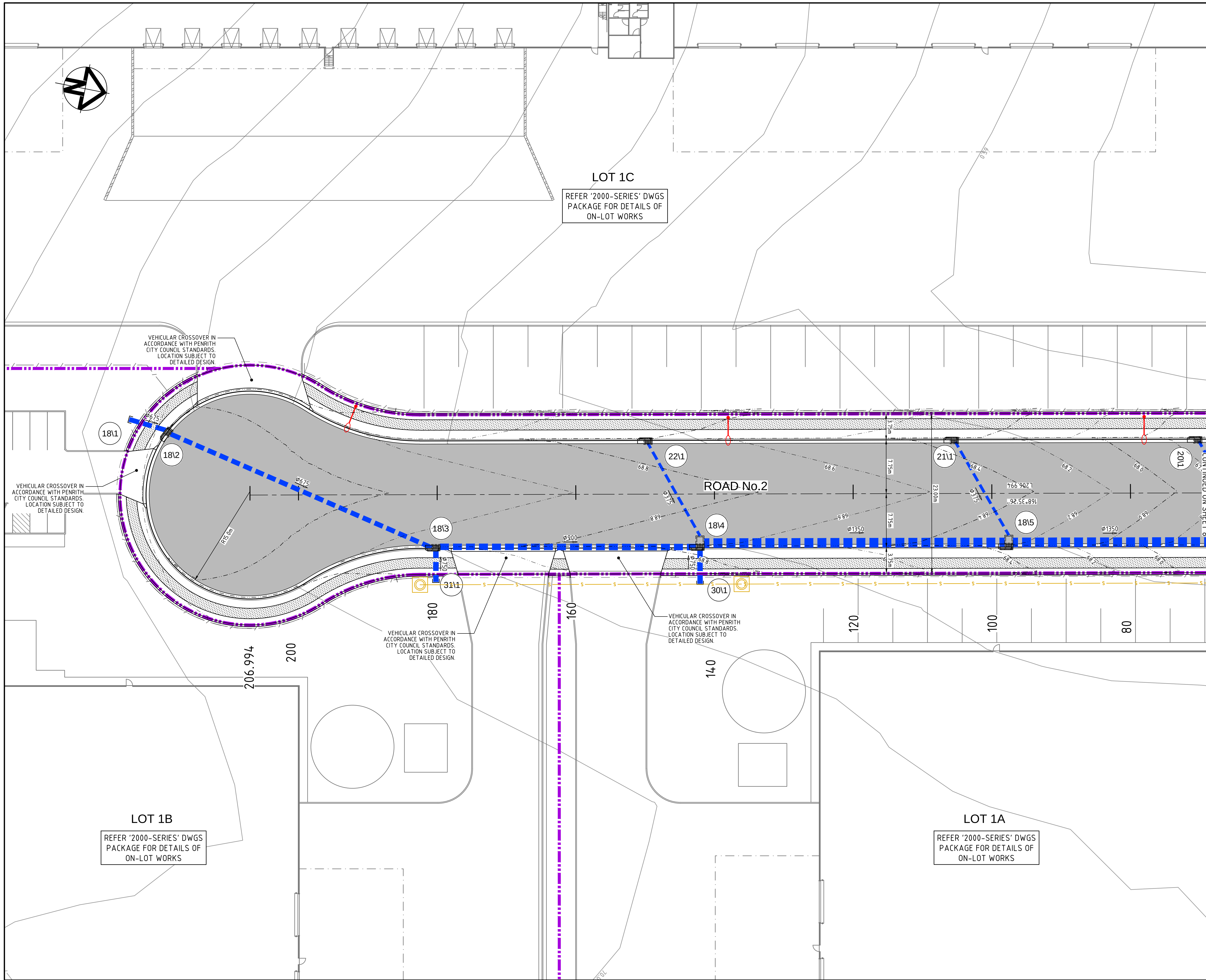
PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title

ROADWORKS AND STORMWATER DRAINAGE PLAN

SHEET 9 OF 10

Drawing No.	Project No.	Issue
15-272-C1048	15-272	A2



KEYPLAN

LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- EXISTING CONTOUR 60.0
- PROPOSED BOUNDARY
- PROPOSED CONTOUR 65.0
- PROPOSED KERB AND GUTTER
- PROPOSED STORMWATER PIPE WITH SIZE 375 ϕ
- PROPOSED KERB INLET PIT
- PROPOSED HEADWALL
- BOUNDARY CATCH DRAIN PIT AND PIPE SUBJECT TO DETAILED DESIGN
- PROPOSED STORMWATER PIT NUMBER 311
- 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
A2	ISSUED FOR SSD APPROVAL	21-09-18
A1	ISSUED FOR SSD APPROVAL	04-05-18

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I.

Status	FOR APPROVAL		A1
Scales	15-272-C1049.dwg		
1 : 250	Drawn	GB	
	Designed	GB	
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

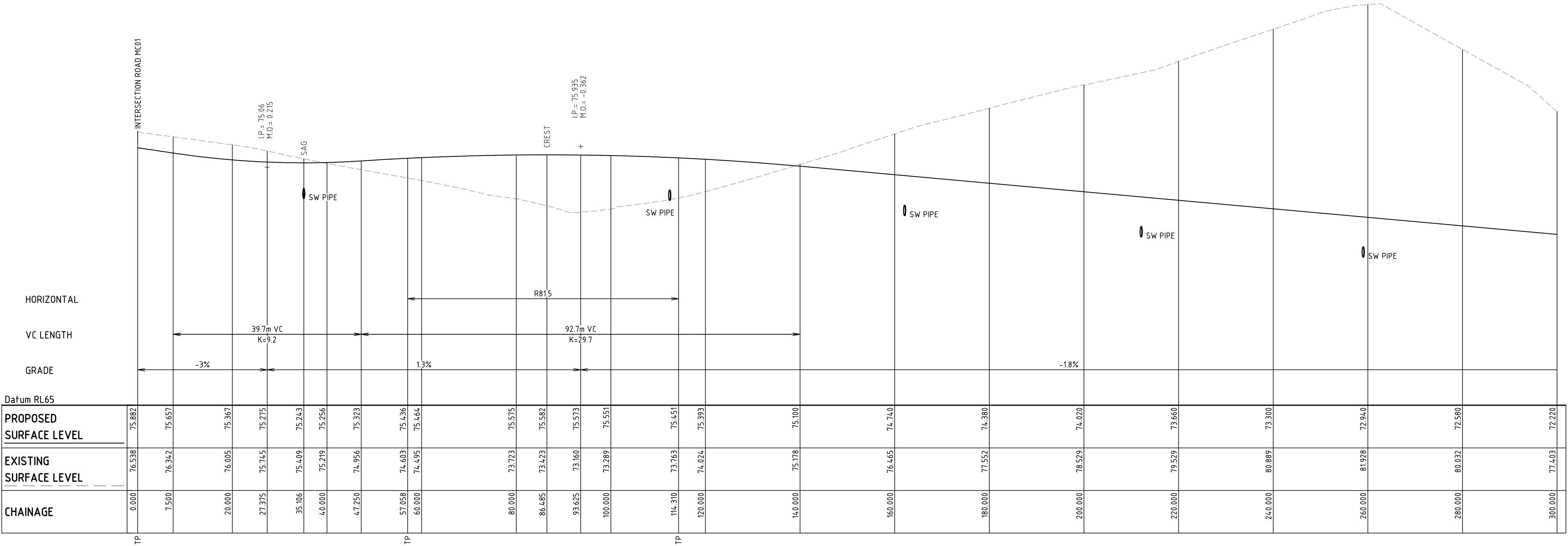
Project

PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

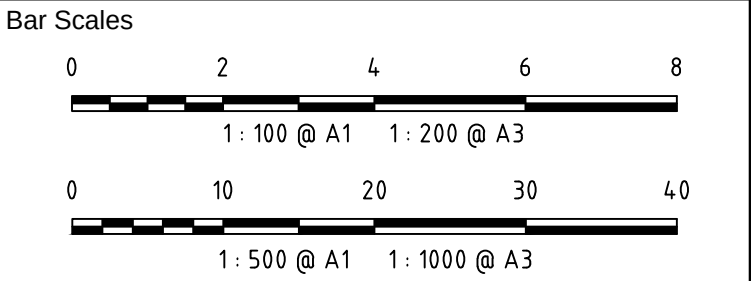
Title

ROADWORKS AND STORMWATER DRAINAGE PLAN
SHEET 10 OF 10

Drawing No.	Project No.	Issue
15-272-C1049	15-272	A2



CL01 LONGITUDINAL SECTION
SCALE 1:500 HORI.
1:100 VERT.



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
-------	-------------	------

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I.

Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

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



Civil Engineers and Project Managers

at&i

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

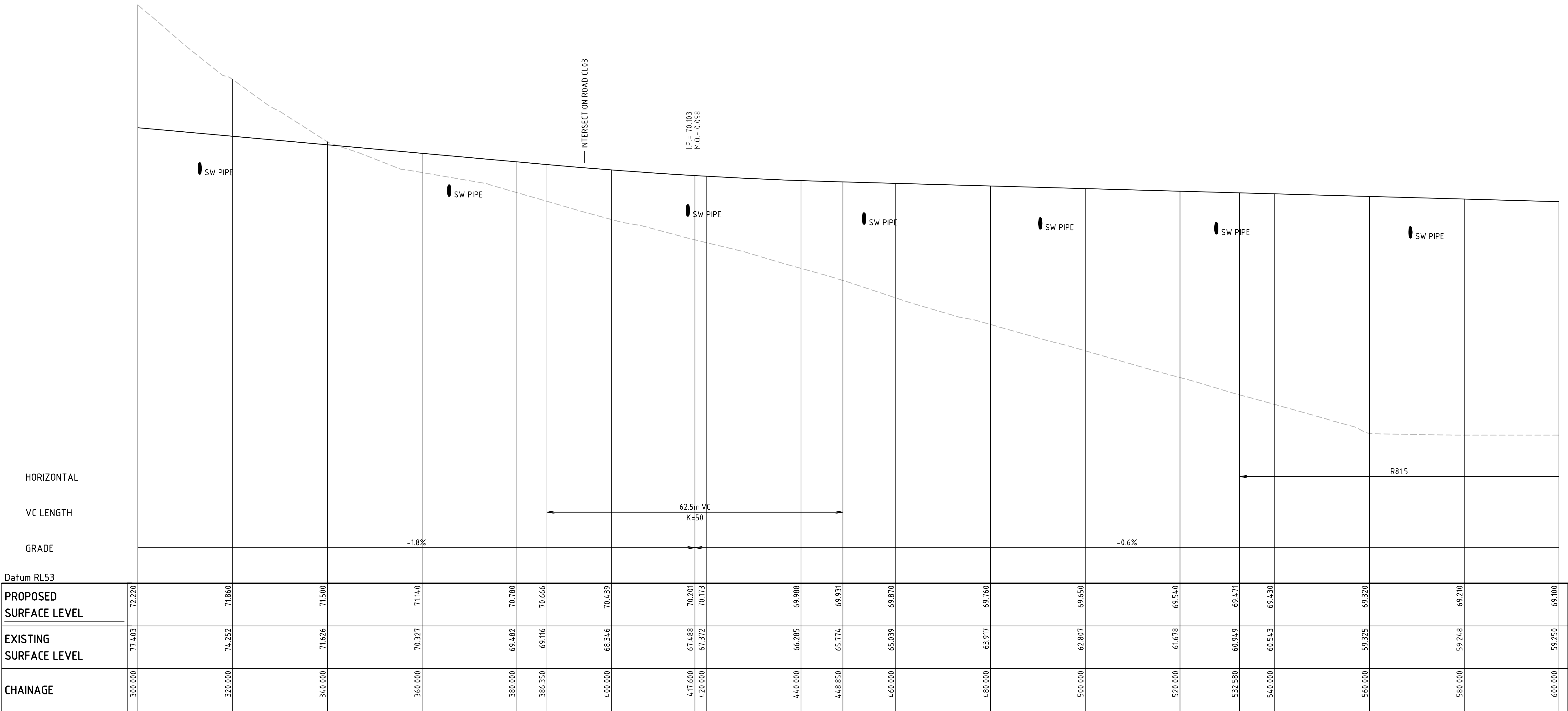
Project

PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

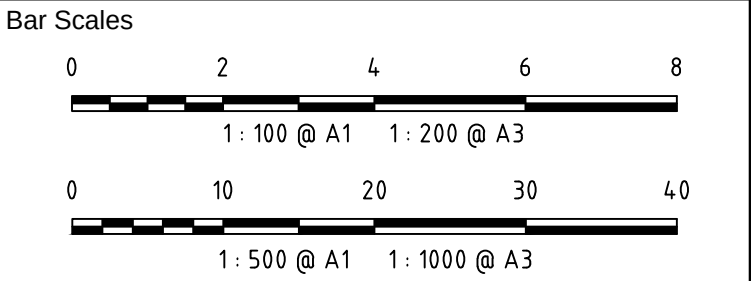
Title

ROAD LONGITUDINAL SECTIONS
SHEET 1 OF 5

Drawing No.	Project No.	Issue
15-272-C1050	15-272	A3



CL01 LONGITUDINAL SECTION
SCALE 1:500 HORI.
1:100 VERT.



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
-------	-------------	------

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

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



Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

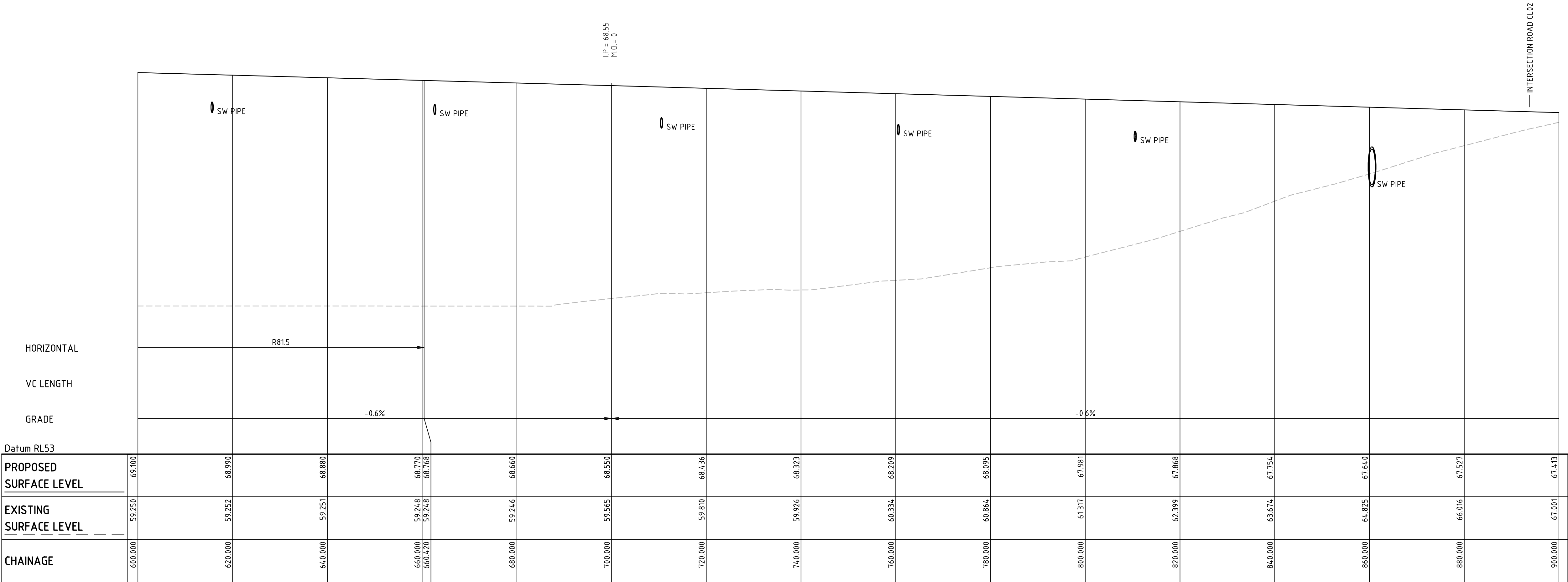
Project

PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

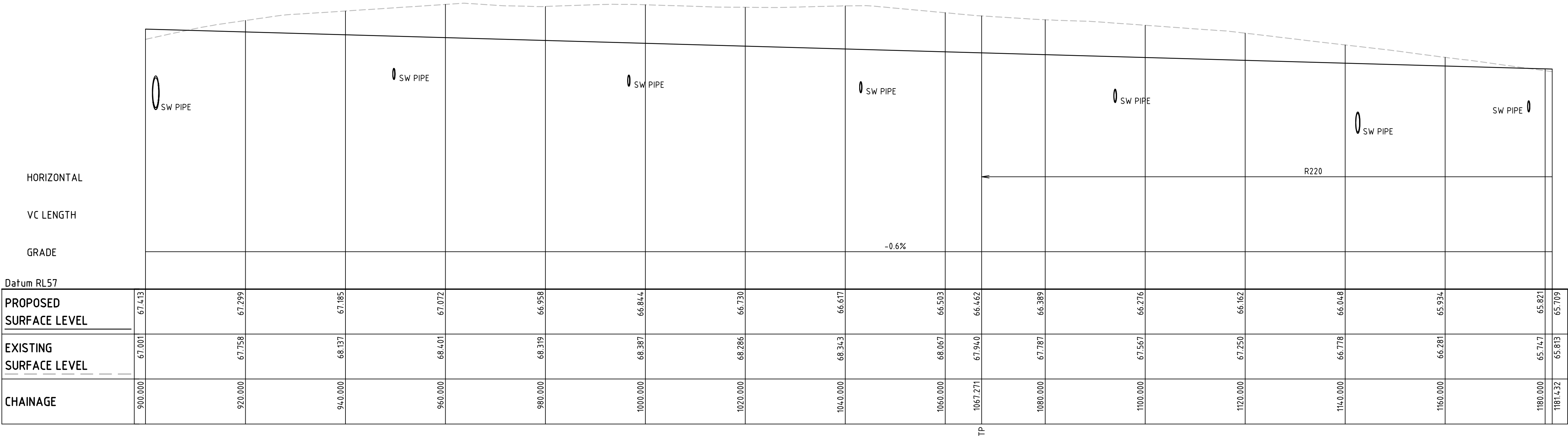
Title

ROAD LONGITUDINAL SECTIONS
SHEET 2 OF 5

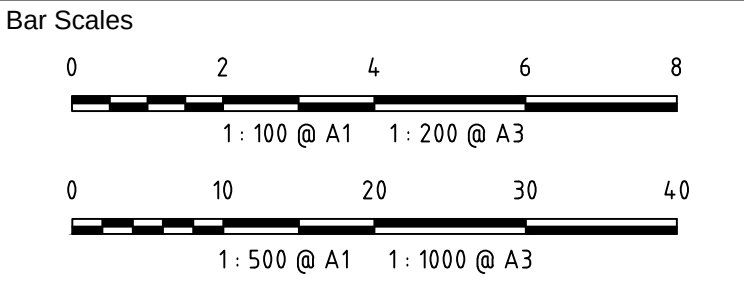
Drawing No.	Project No.	Issue
15-272-C1051	15-272	A3



CL01 LONGITUDINAL SECTION
SCALE 1:500 HORI.
1:100 VERT.



CL01 LONGITUDINAL SECTION
SCALE 1:500 HORI.
1:100 VERT.



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
-------	-------------	------

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

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



Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

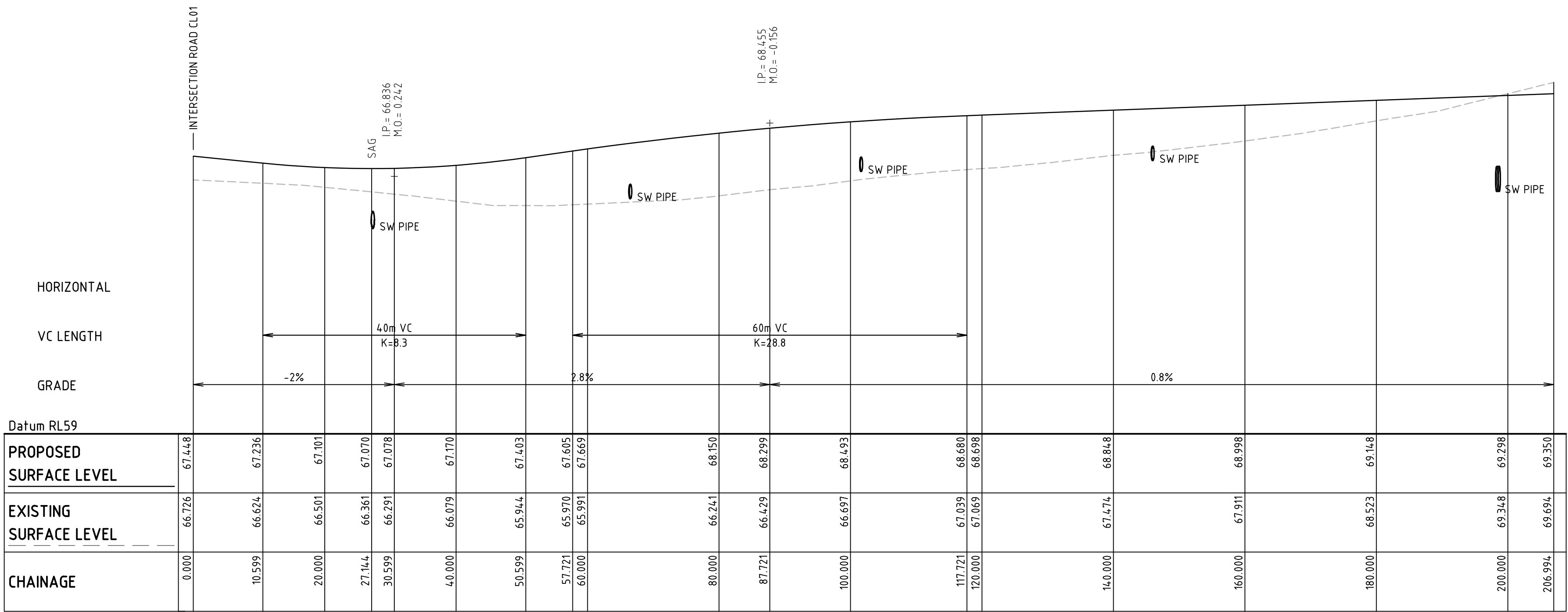
Project

PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title

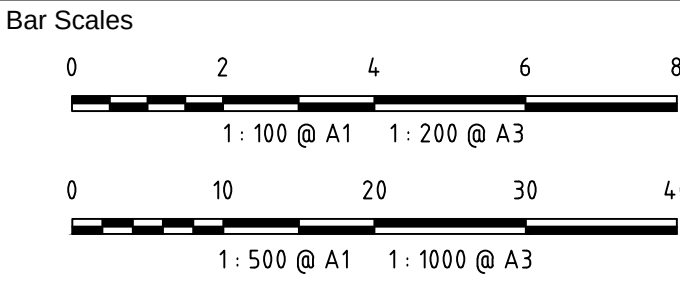
ROAD LONGITUDINAL SECTIONS SHEET 3 OF 5

Drawing No.	Project No.	Issue
15-272-C1052	15-272	A3



CL02 LONGITUDINAL SECTION

SCALE 1:500 HORI.
1:100 VERT.



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
-------	-------------	------

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Status	FOR 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



Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

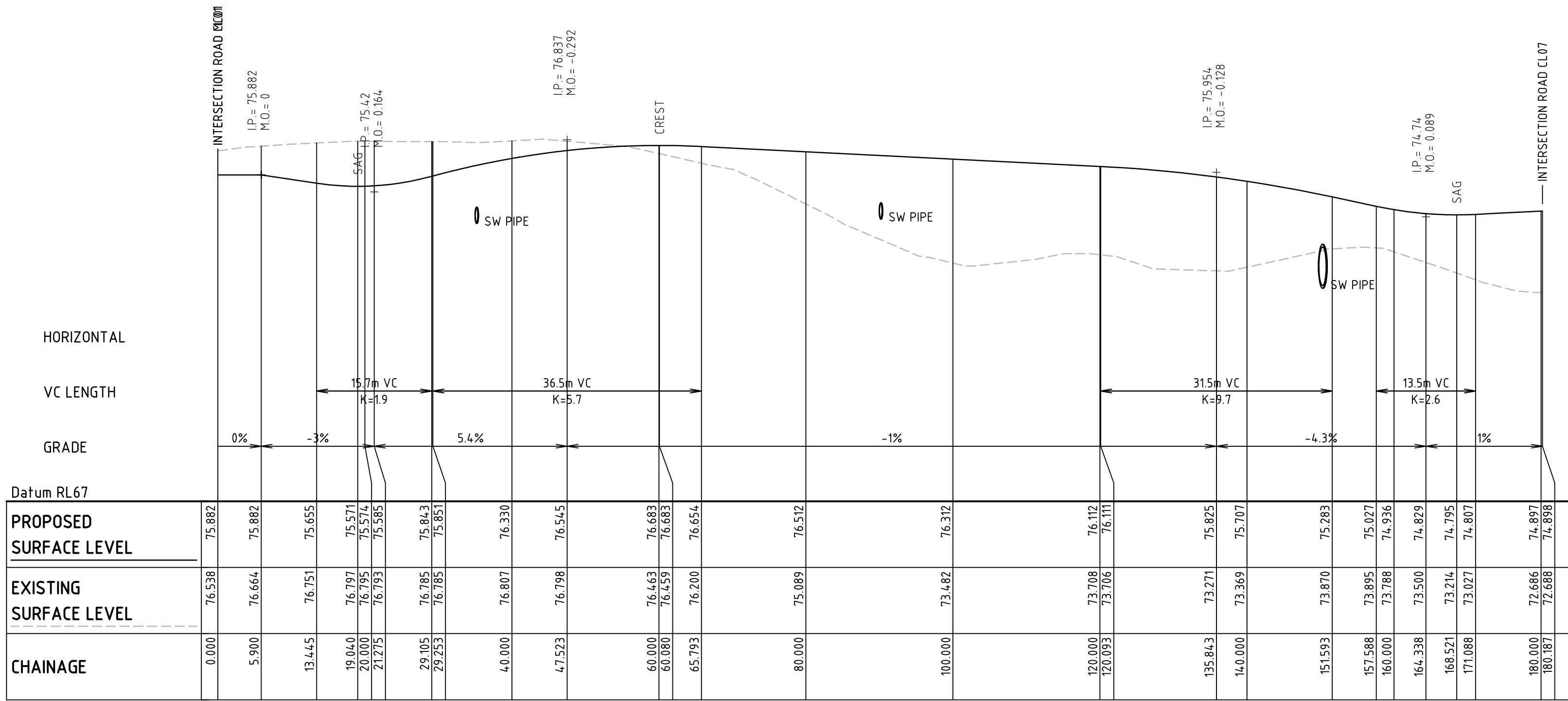
Project

**PROPOSED INDUSTRIAL
DEVELOPMENT
OAKDALE WEST**

Title

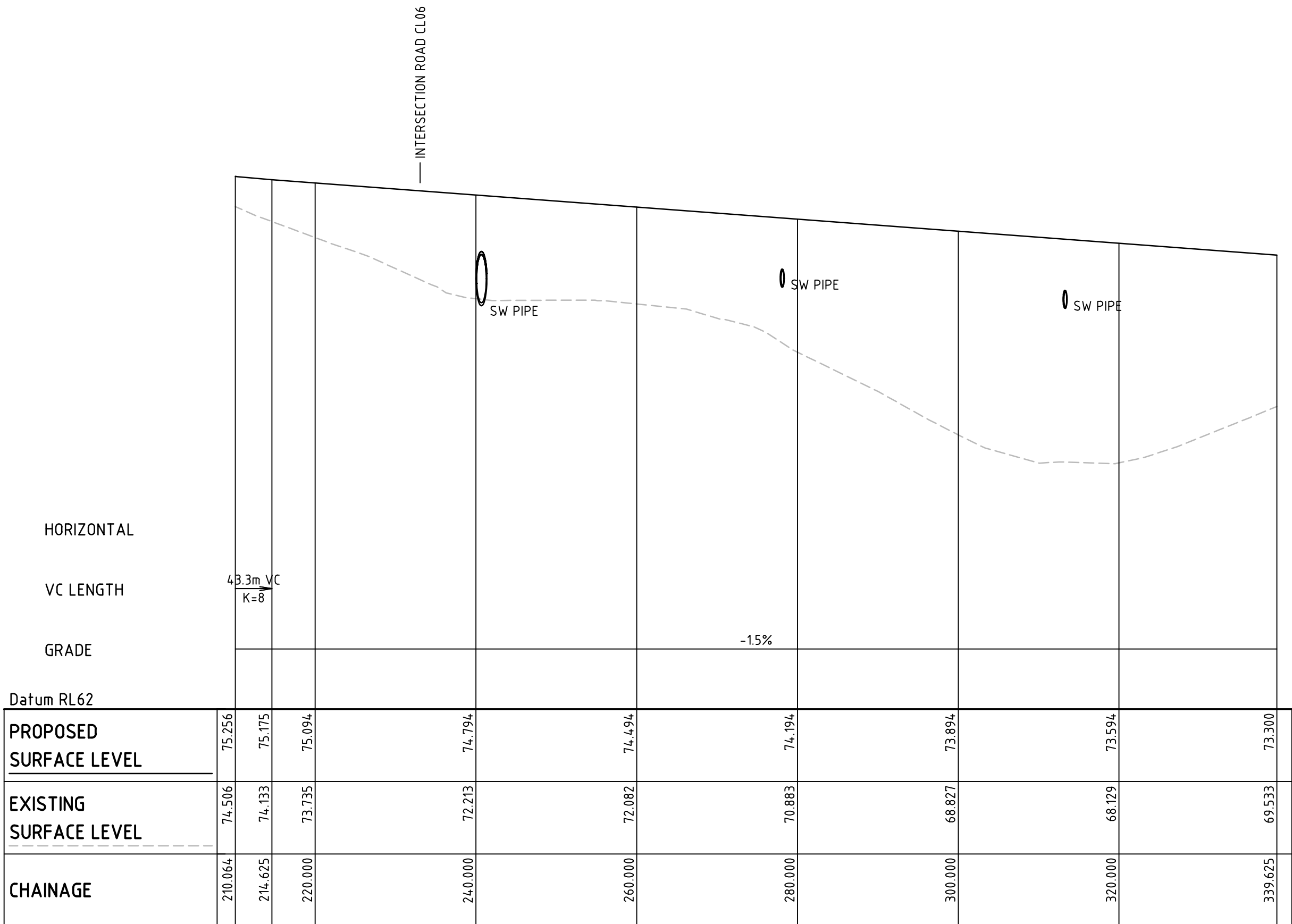
**ROAD LONGITUDINAL
SECTIONS
SHEET 4 OF 5**

Drawing No.	Project No.	Issue
15-272-C1053	15-272	A3



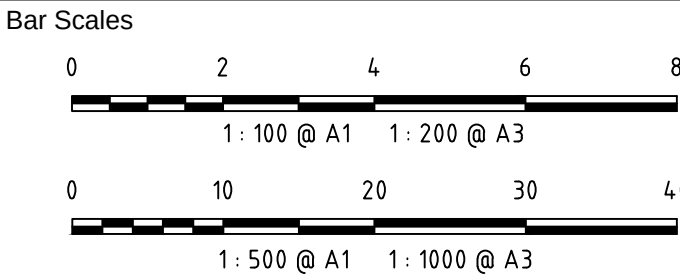
CL06 LONGITUDINAL SECTION

SCALE 1:500 HORI.
1:100 VERT.



CL07 LONGITUDINAL SECTION

SCALE 1:500 HORI.
1:100 VERT.



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
-------	-------------	------

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I.

Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

Scales	1 : 100 V 1 : 500 H	15-272-C1054.dwg	
		Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM



Civil Engineers and Project Managers

at&i

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

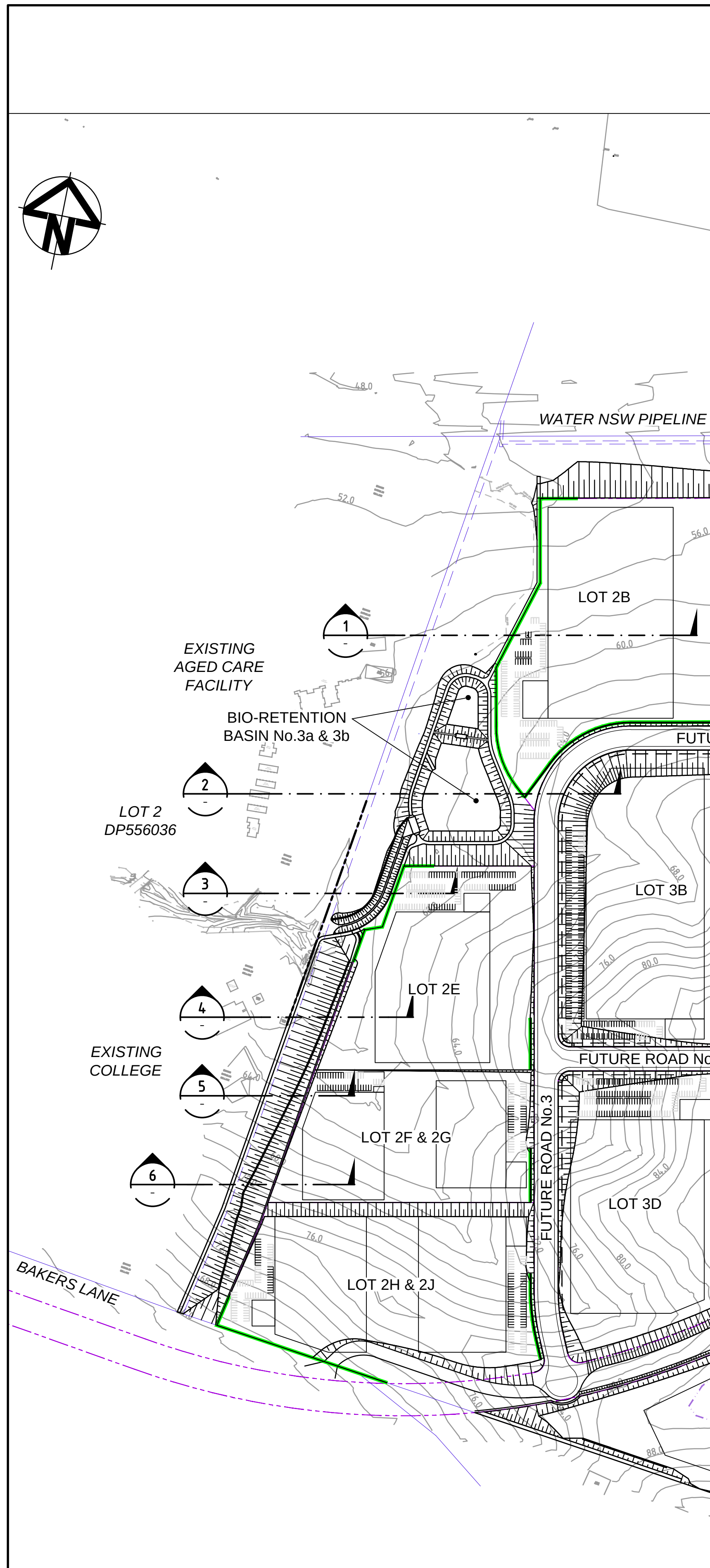
Project

PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

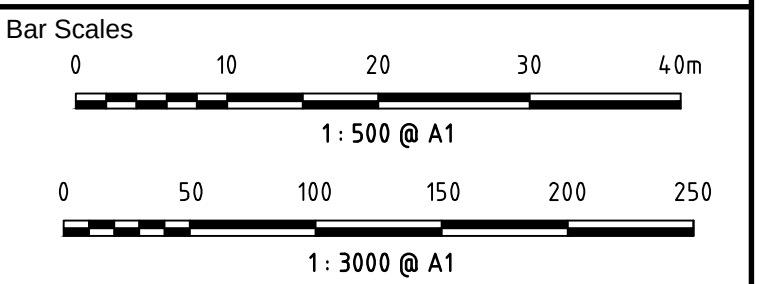
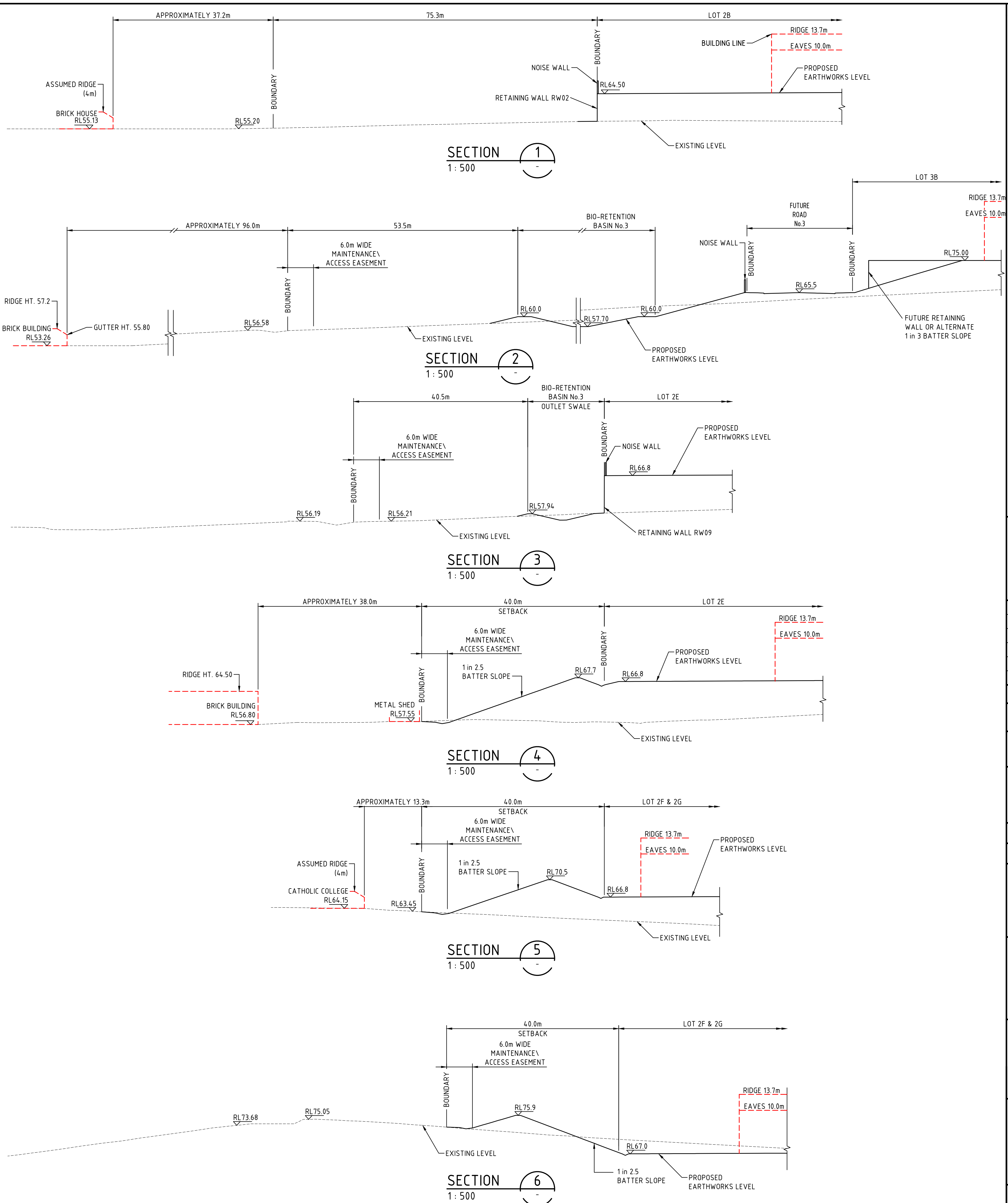
Title

ROAD LONGITUDINAL SECTIONS SHEET 5 OF 5

Drawing No.	Project No.	Issue
15-272-C1054	15-272	A3



PLAN
SCALE 1 : 3000



A2	ISSUED FOR SSD APPROVAL	21-09-18
A1	ISSUED FOR SSD APPROVAL	04-05-18
Issue	Description	Date

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I.

Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

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



Civil Engineers and Project Managers

at&i

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

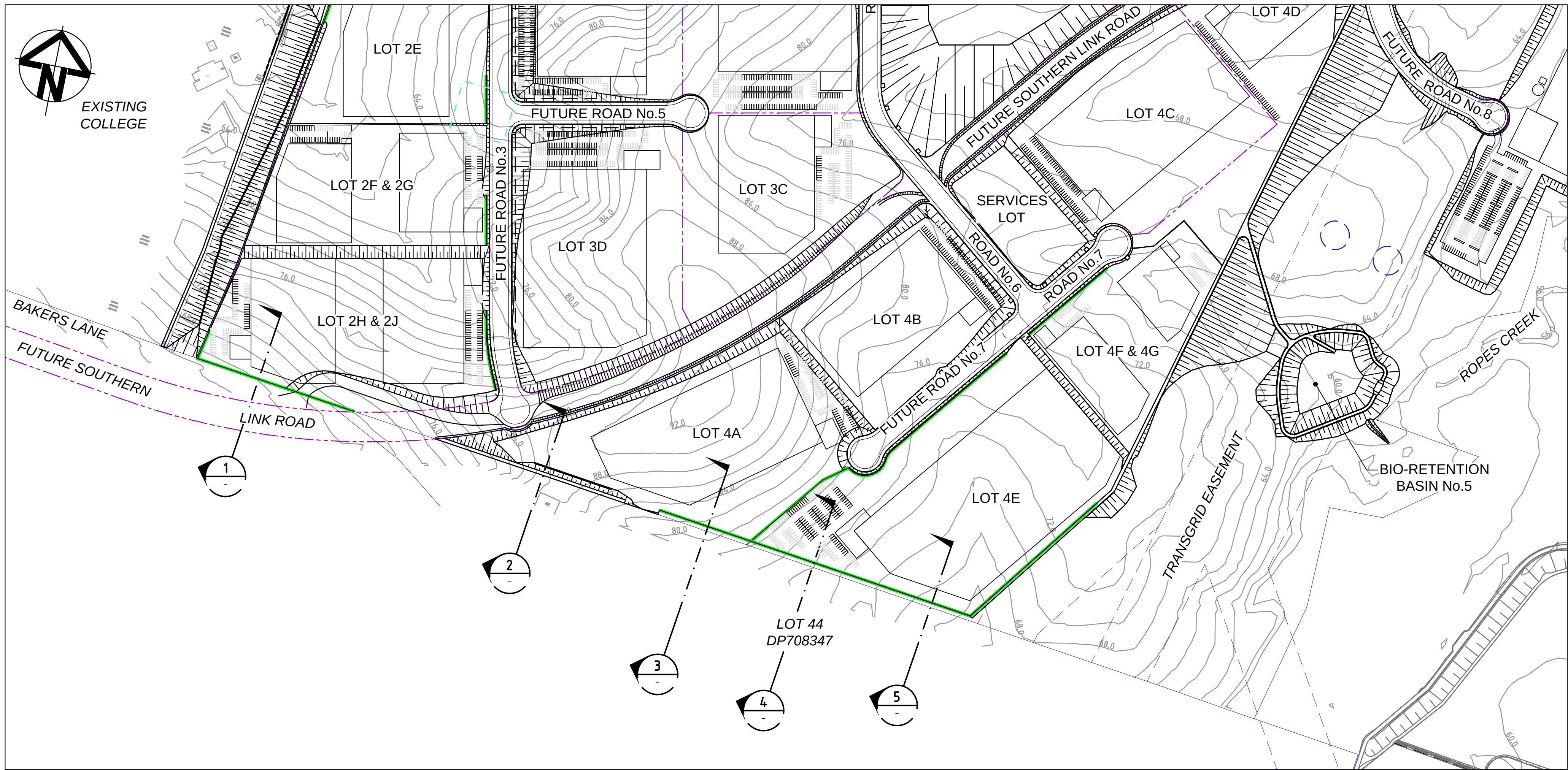
Project

PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title

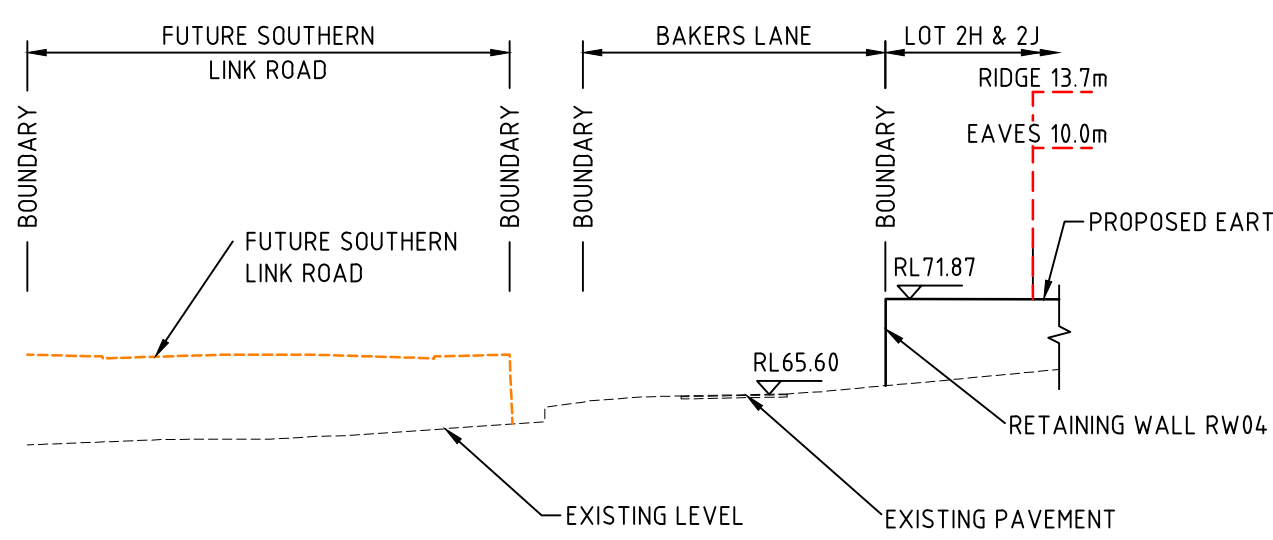
WESTERN BOUNDARY LAYOUT AND SECTIONS

Drawing No.	Project No.	Issue
15-272-C1058	15-272	A2

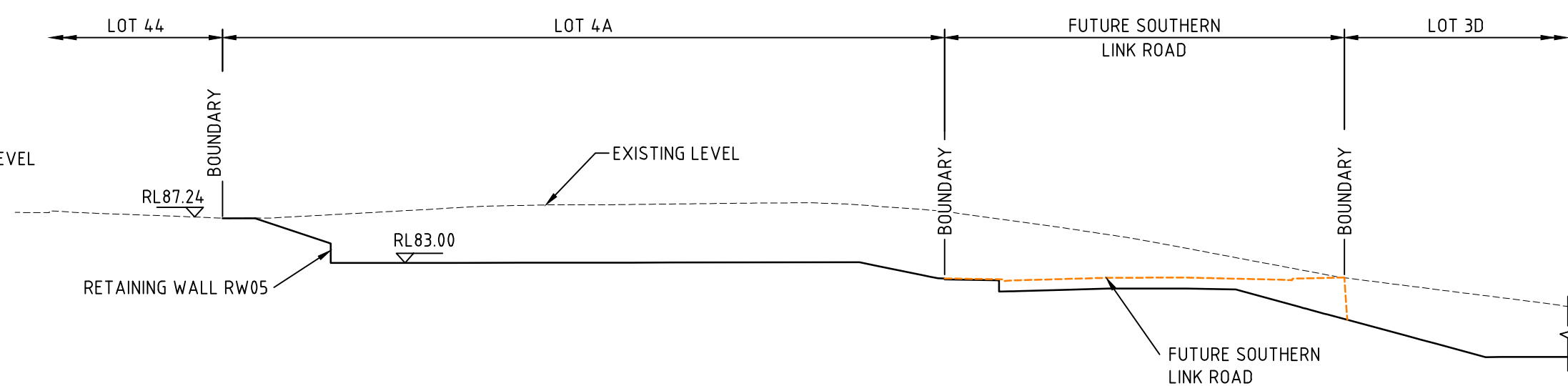


PLAN

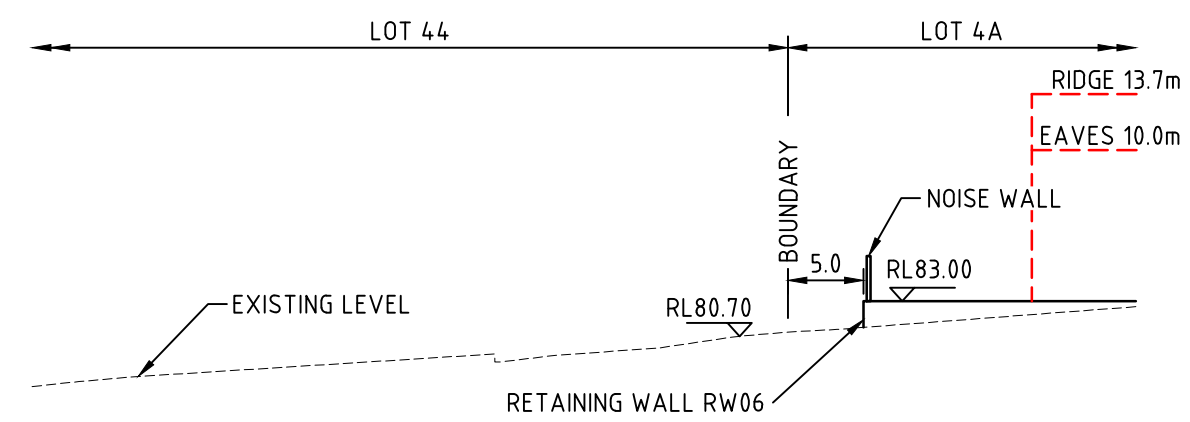
SCALE 1 : 3000



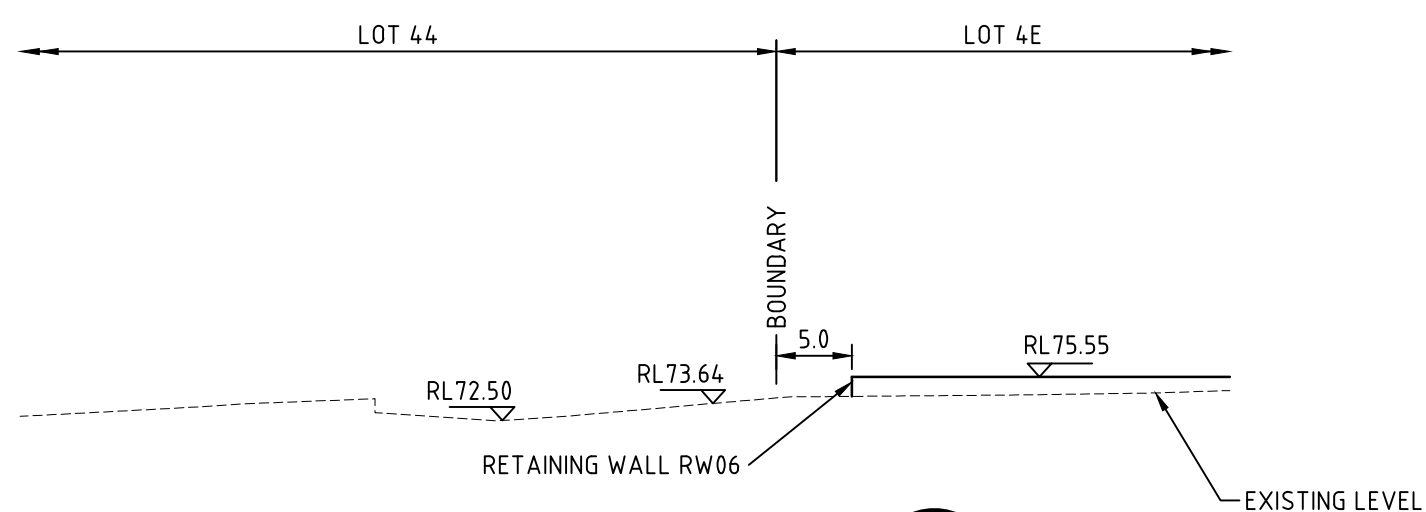
SECTION 1
1 : 500



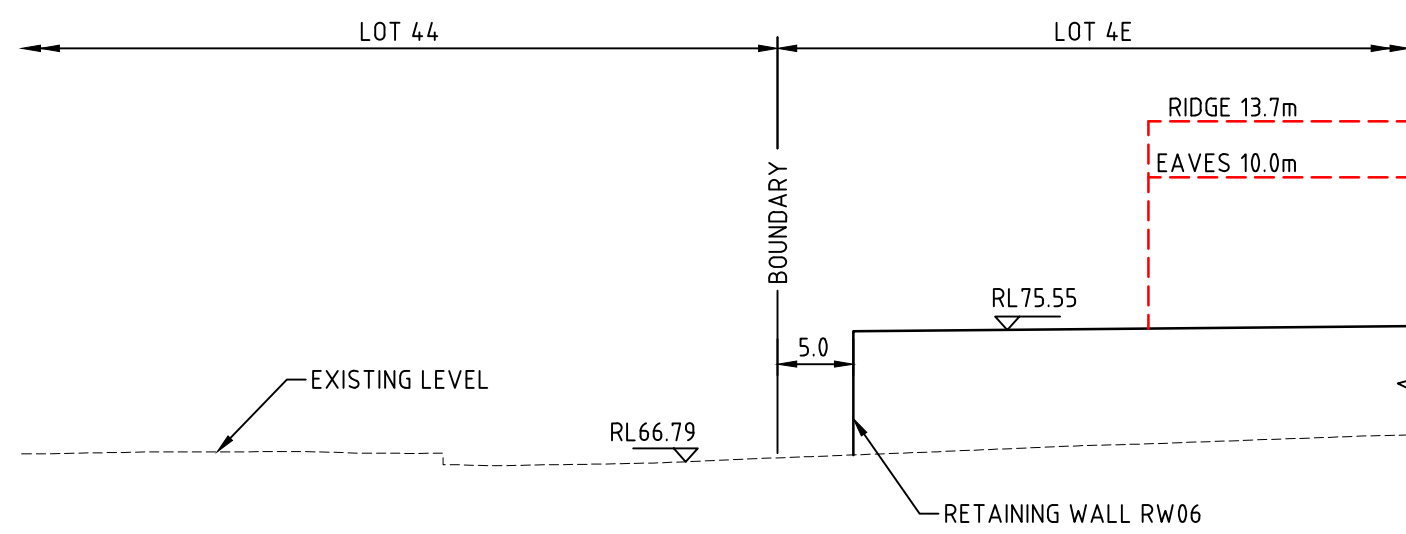
SECTION 2
1 : 500



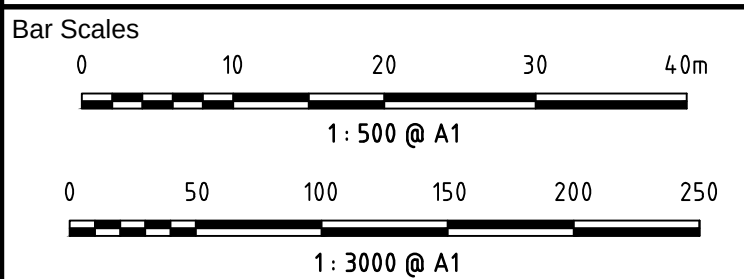
SECTION 3
1 : 500



SECTION 4
1 : 500



SECTION 5
1 : 500



A2	ISSUED FOR SSD APPROVAL	11-10-18
A1	ISSUED FOR SSD APPROVAL	04-05-18

Issue	Description	Date
-------	-------------	------

Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

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

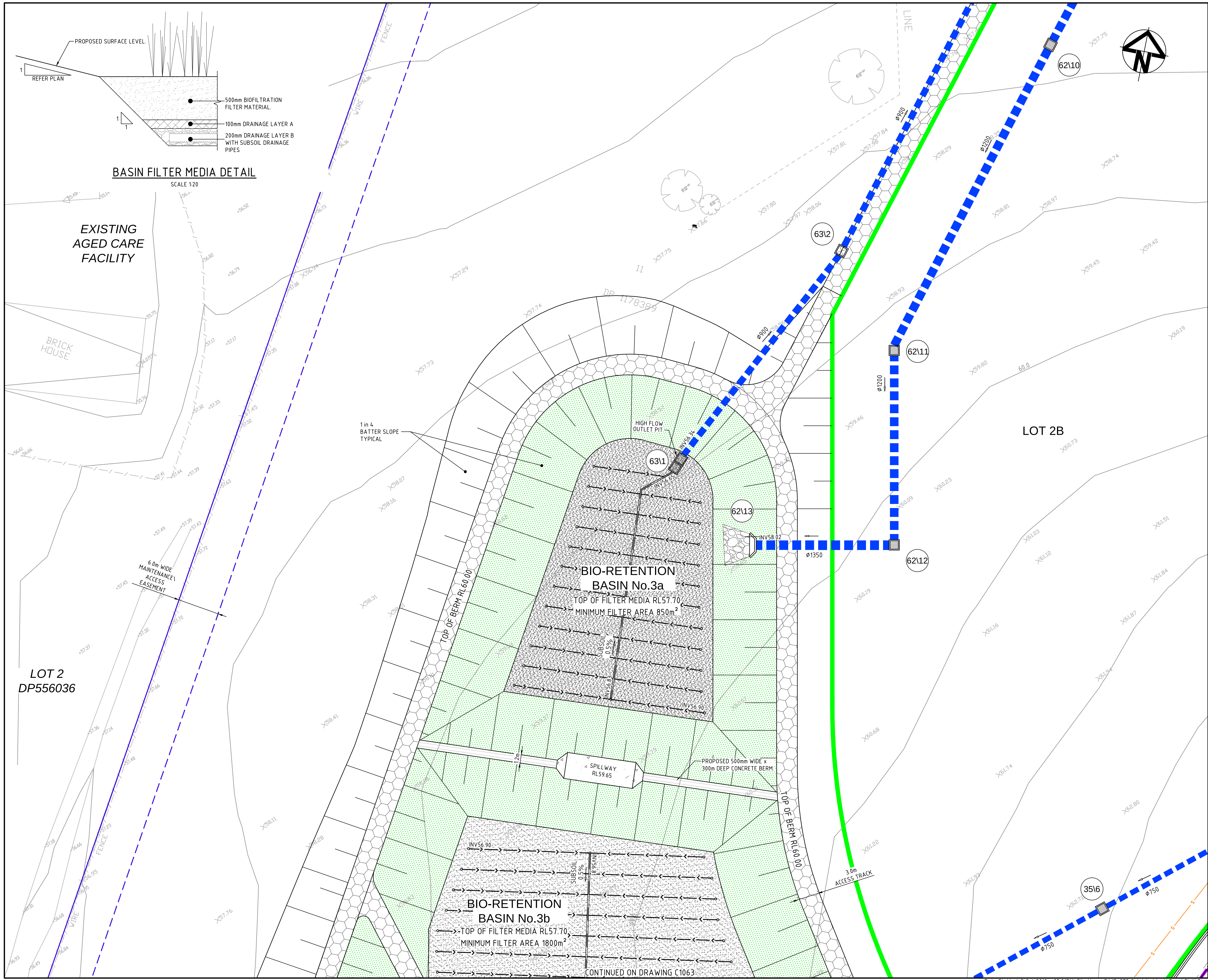


Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Project
PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title
SOUTHERN BOUNDARY LAYOUT AND SECTIONS

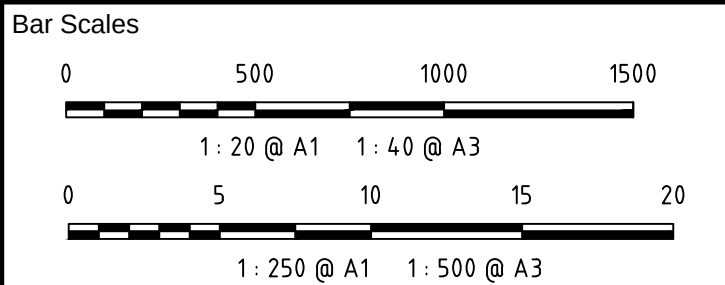
Drawing No. 15-272-C1059	Project No. 15-272	Issue A2
------------------------------------	------------------------------	--------------------



BASIN FILTER MEDIA DETAIL
SCALE 1:20

LEGEND

- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- EXISTING CONTOUR
- PROPOSED CONTOUR
- STORMWATER PIPE WITH SIZE
- SURFACE INLET PIT
- HEADWALL
- PROPOSED STORMWATER PIT NUMBER
- PROPOSED RETAINING WALL - FILL
- PROPOSED RETAINING WALL - CUT
- FUTURE RETAINING WALL NOT PART OF THIS APPROVAL
- 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



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
-------	-------------	------

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I

Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

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



Civil Engineers and Project Managers

at&i

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

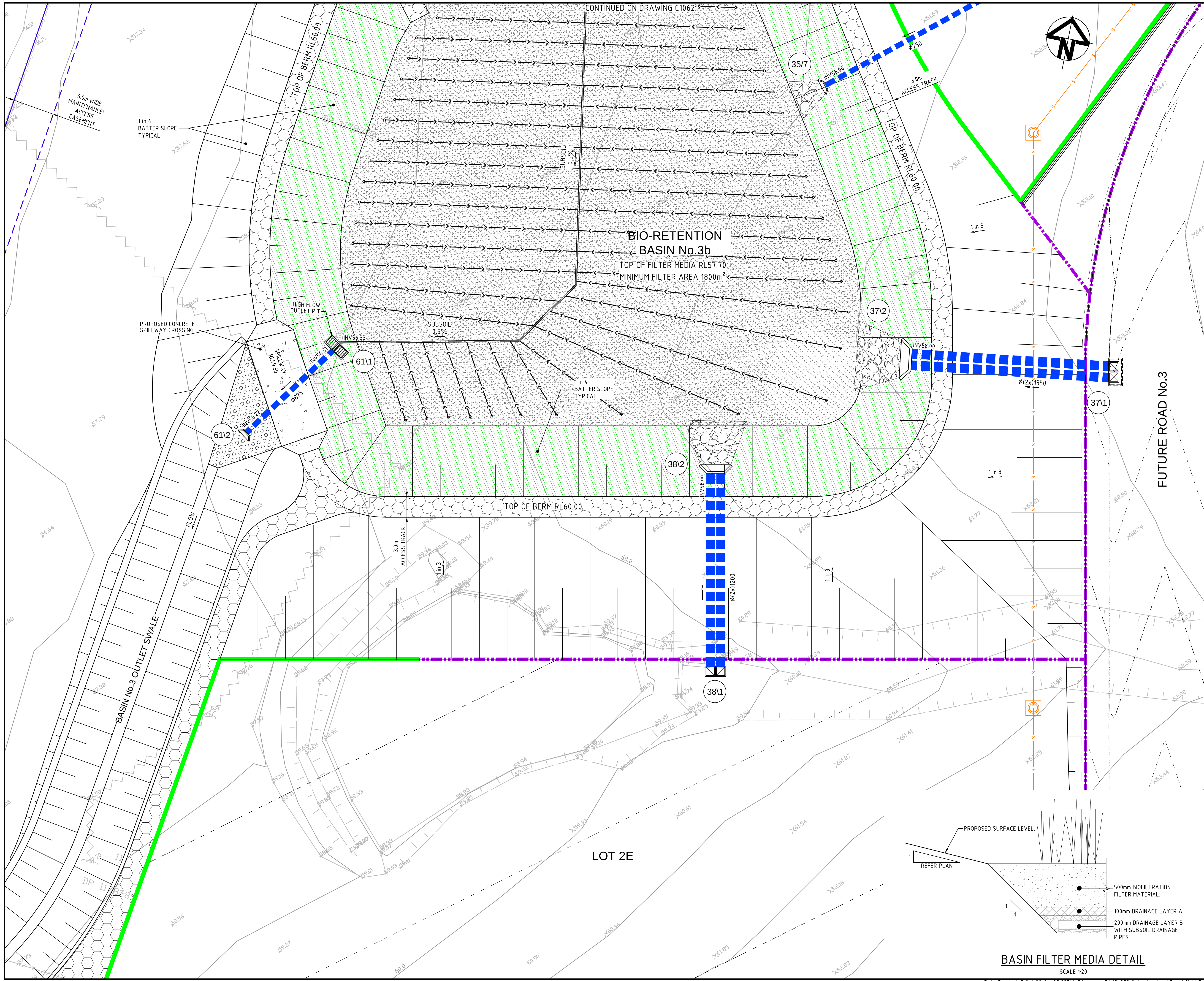
Project

PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title

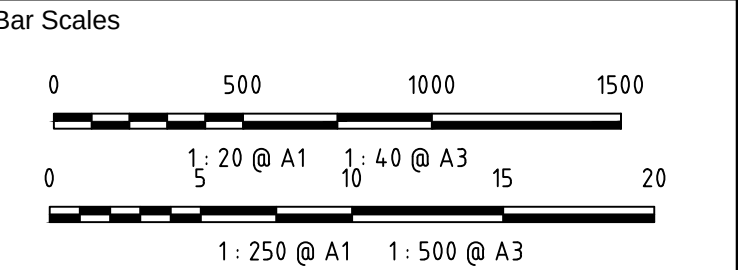
BIO-RETENTION BASIN No.3 DETAIL PLAN SHEET 1 OF 2

Drawing No.	Project No.	Issue
15-272-C1062	15-272	A3



LEGEND

- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- EXISTING CONTOUR
- PROPOSED CONTOUR
- STORMWATER PIPE WITH SIZE
- SURFACE INLET PIT
- HEADWALL
- PROPOSED STORMWATER PIT NUMBER
- PROPOSED RETAINING WALL - FILL
- PROPOSED RETAINING WALL - CUT
- FUTURE RETAINING WALL NOT PART OF THIS APPROVAL
- 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



A2	ISSUED FOR SSD APPROVAL	21-09-18
A1	ISSUED FOR SSD APPROVAL	04-05-18
Issue	Description	Date

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I

Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

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



Civil Engineers and Project Managers

at&i

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

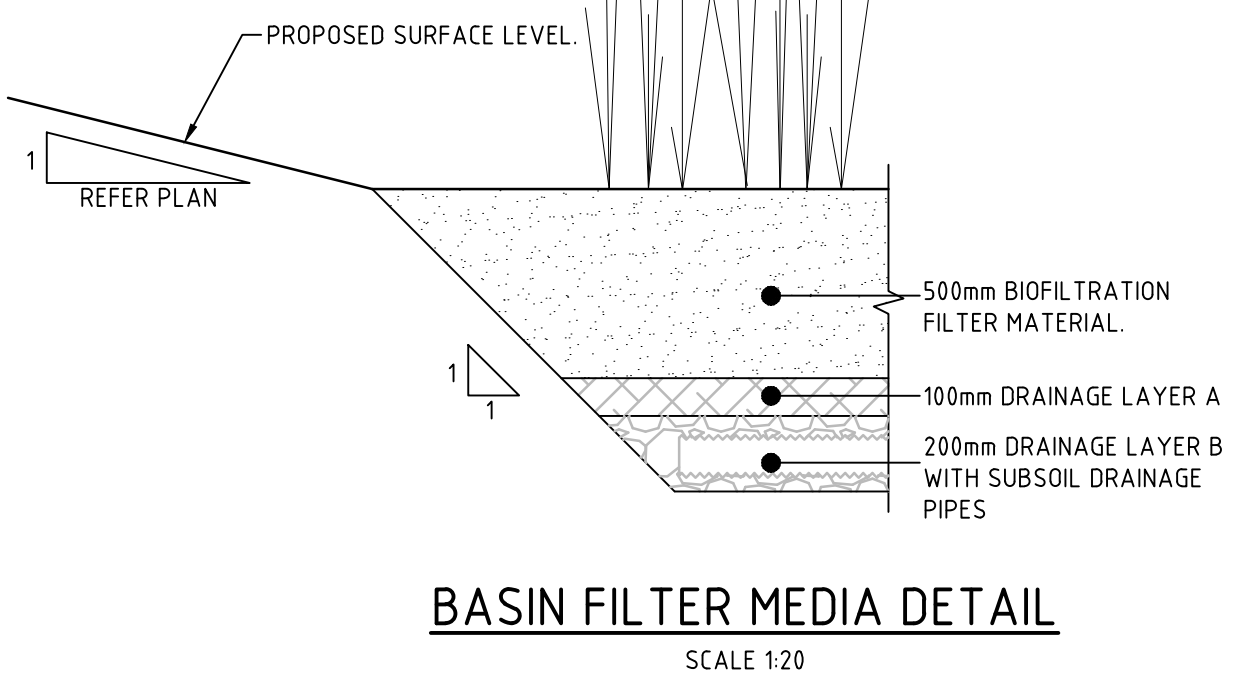
Project

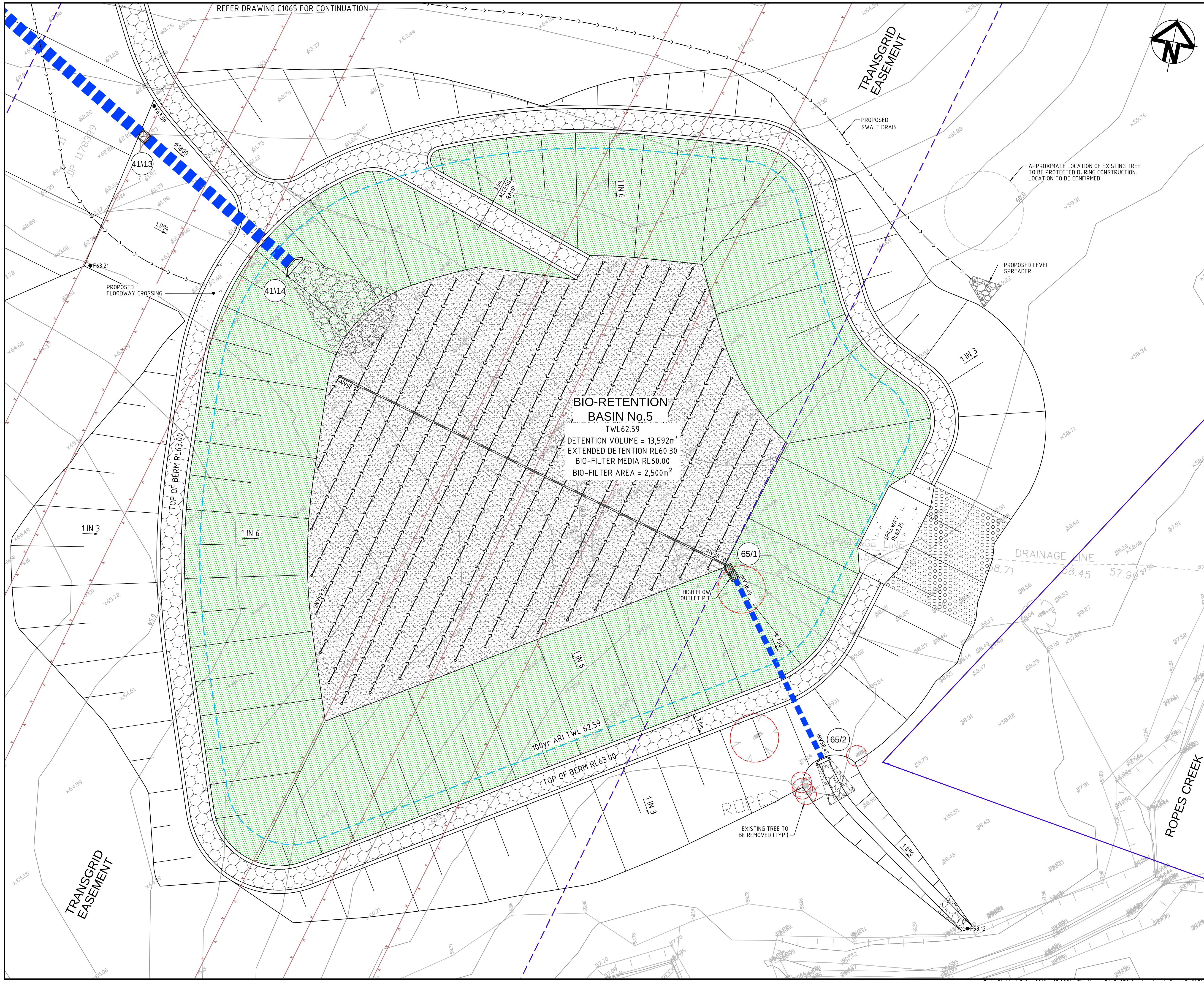
PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

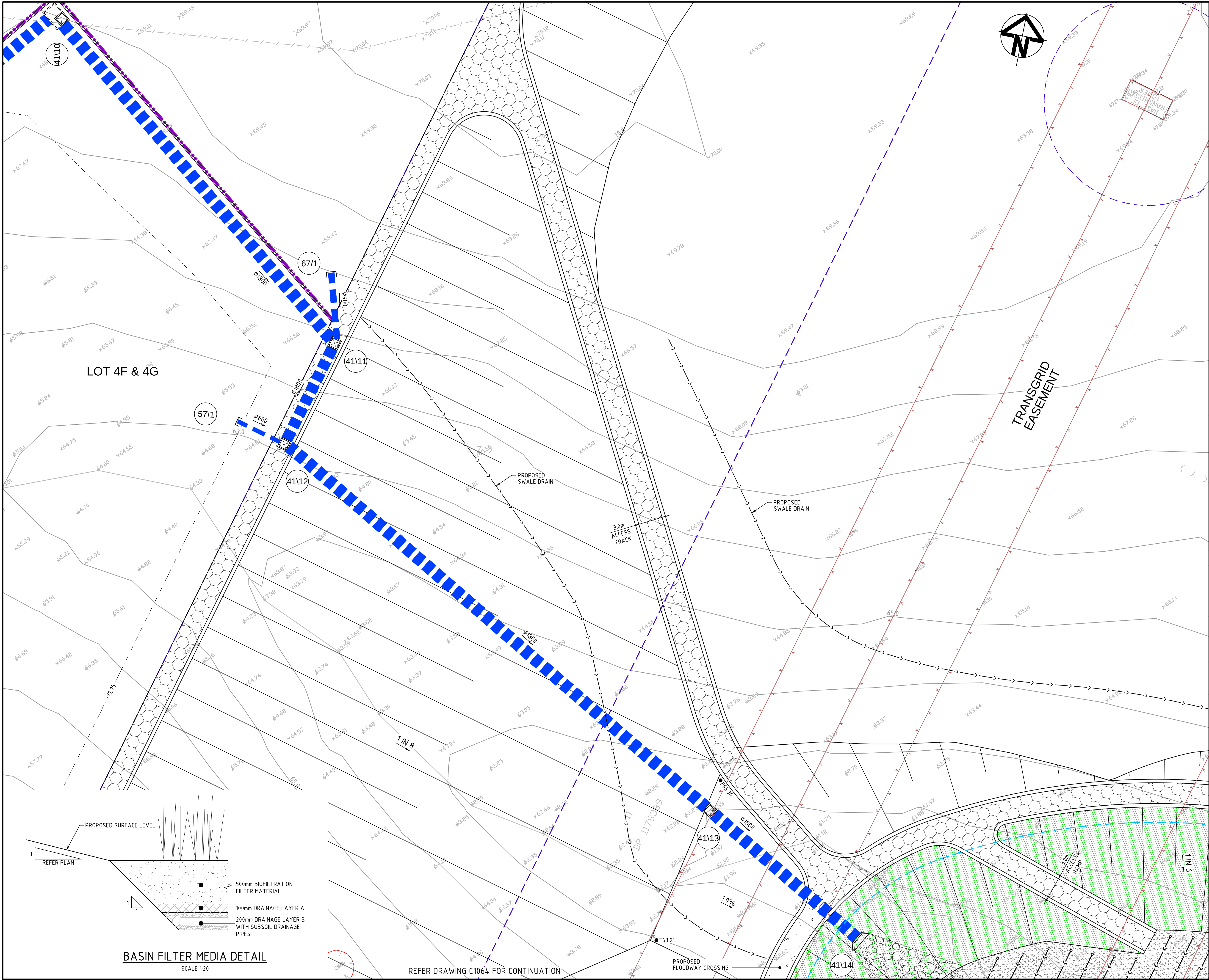
Title

BIO-RETENTION BASIN No.3 DETAIL PLAN SHEET 2 OF 2

Drawing No.	Project No.	Issue
15-272-C1063	15-272	A2







LEGEND

- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- EXISTING CONTOUR
- PROPOSED CONTOUR
- STORMWATER PIPE WITH SIZE
- SURFACE INLET PIT
- HEADWALL
- PROPOSED STORMWATER PIT NUMBER
- PROPOSED RETAINING WALL - FILL
- PROPOSED RETAINING WALL - CUT
- FUTURE RETAINING WALL NOT PART OF THIS APPROVAL
- 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

Bar Scales

0 500 1000 1500

1:20 @ A1 1:40 @ A3

0 5 10 15 20

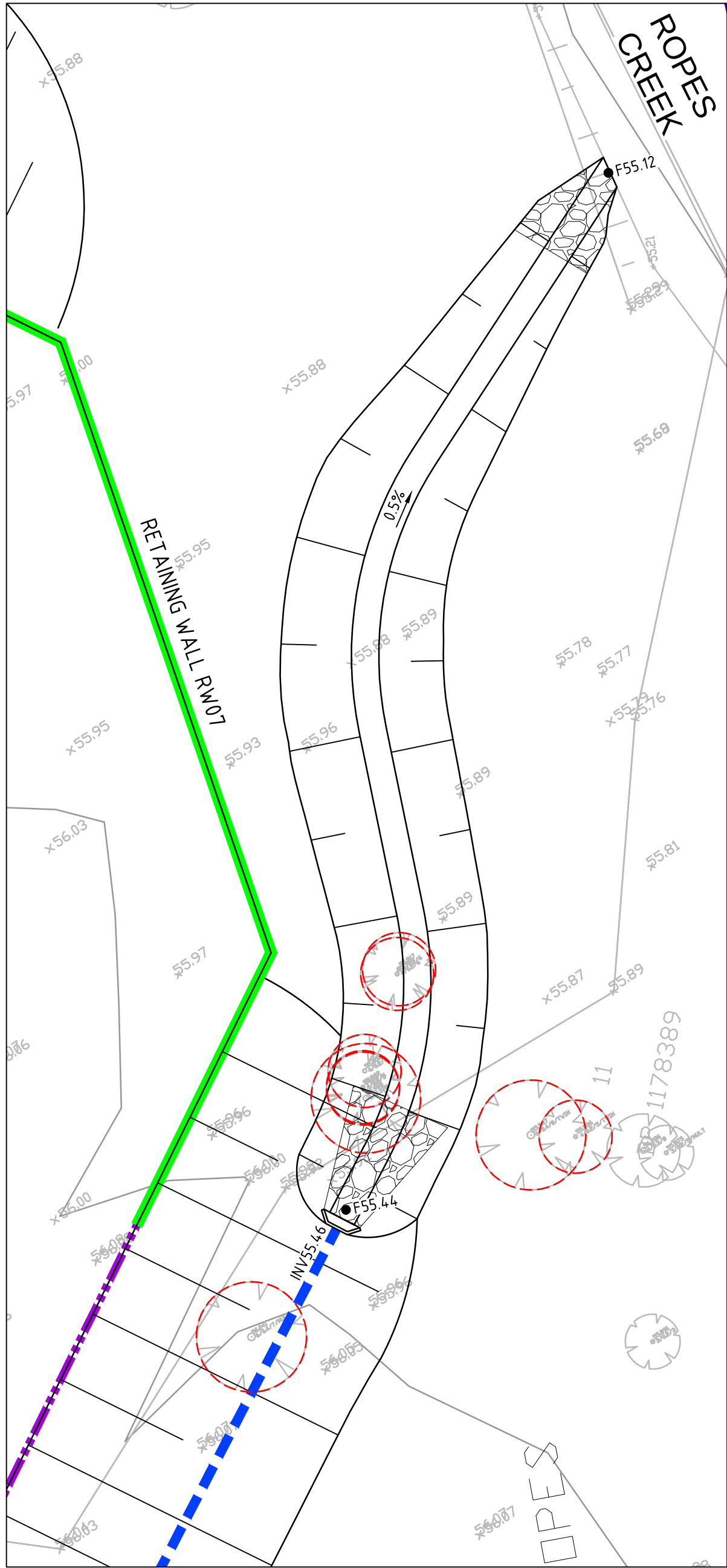
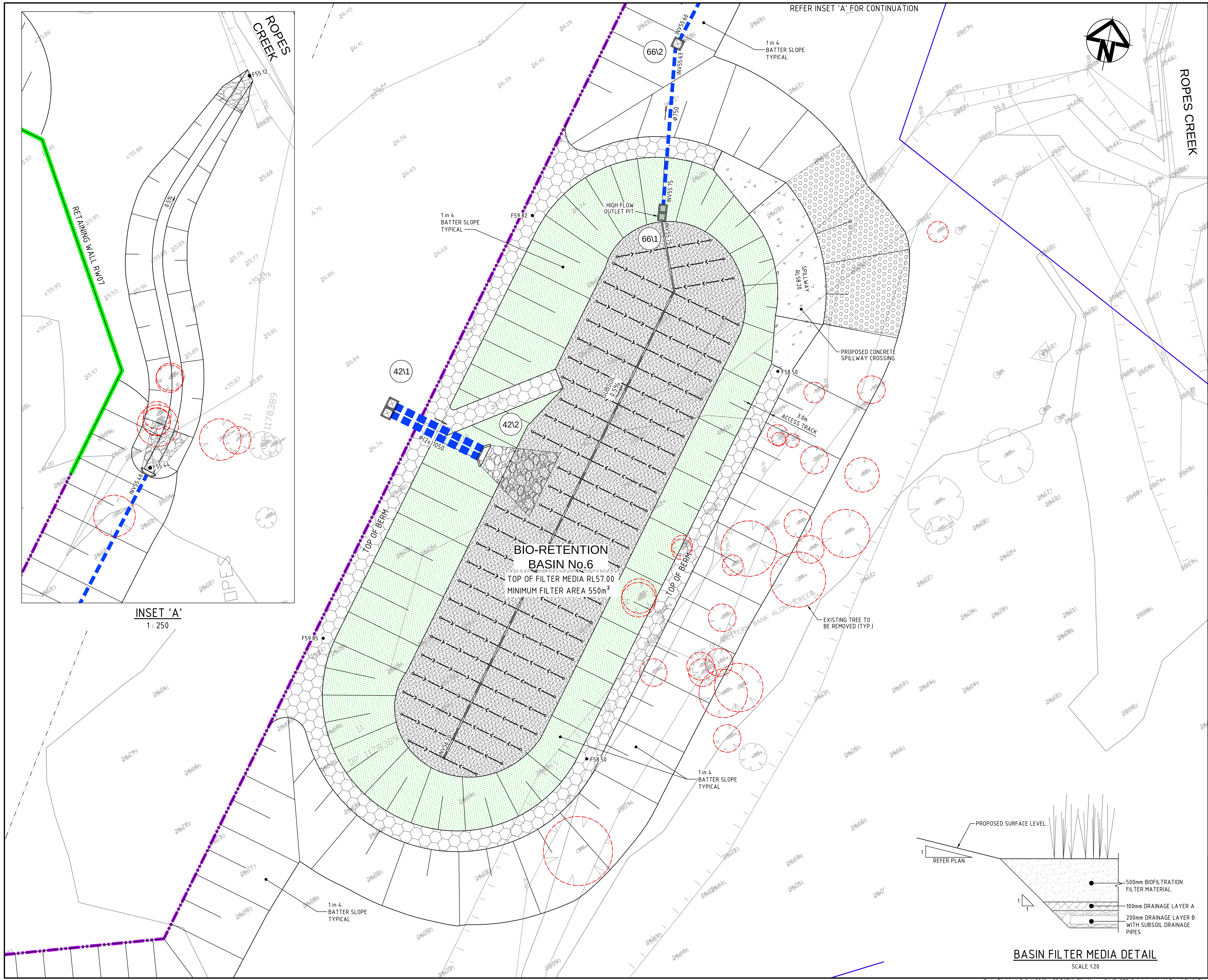
1:250 @ A1 1:500 @ A3

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
THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I.		
Status		A1
FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION		
Scales	15-272-C1065.dwg	
1 : 250	Drawn	GB
	Designed	GB
Height Datum	AHD	Checked AM
Grid	MGA	Approved AM
Client		
Civil Engineers and Project Managers		
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au		
Project		
PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST		
Title		
BIO-RETENTION BASIN No.5 DETAIL PLAN SHEET 2 OF 2		
Drawing No.	Project No.	Issue
15-272-C1065	15-272	A3

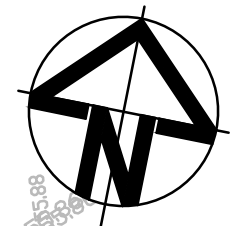
BASIN FILTER MEDIA DETAIL

SCALE 1:20

REFER DRAWING C1064 FOR CONTINUATION



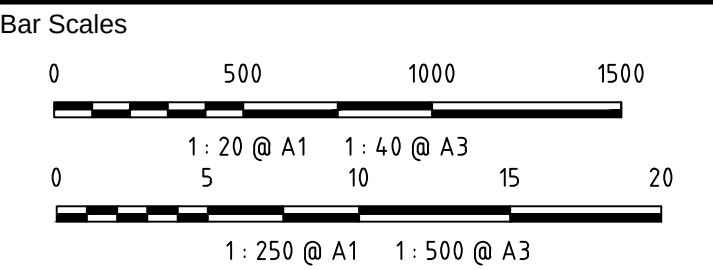
INSET 'A'
1: 250



ROPE CREEK

LEGEND

- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- EXISTING CONTOUR
- PROPOSED CONTOUR
- STORMWATER PIPE WITH SIZE
- SURFACE INLET PIT
- HEADWALL
- PROPOSED STORMWATER PIT NUMBER
- PROPOSED RETAINING WALL - FILL
- PROPOSED RETAINING WALL - CUT
- FUTURE RETAINING WALL NOT PART OF THIS APPROVAL
- 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



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
-------	-------------	------

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I.

Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

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

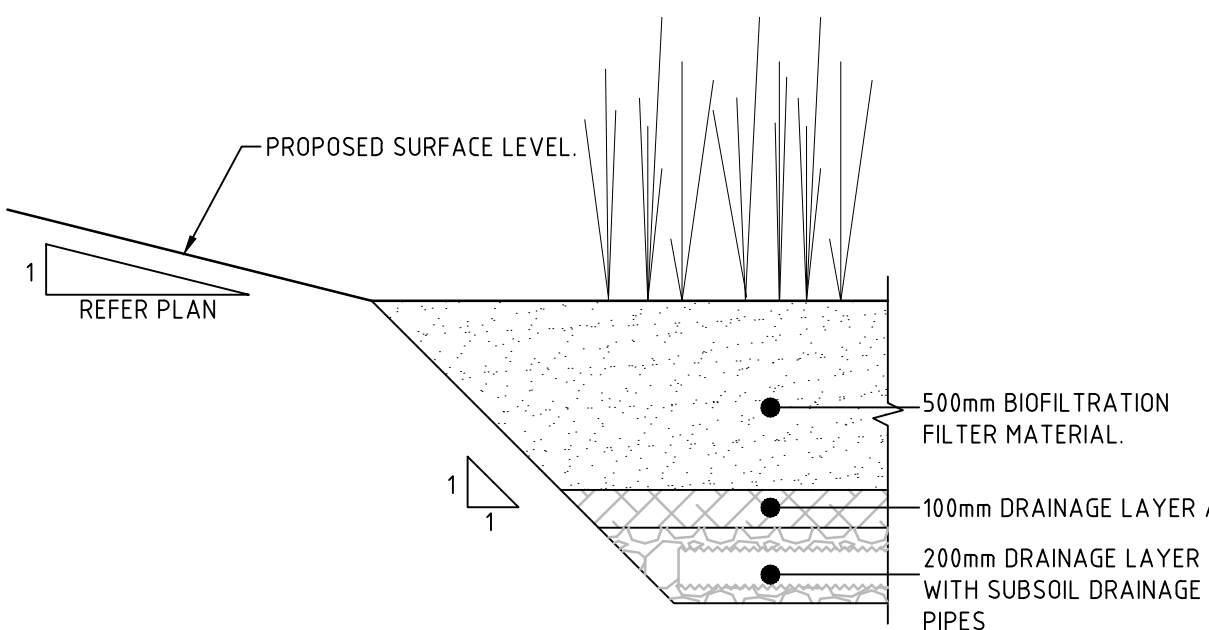


Civil Engineers and Project Managers
at&i
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

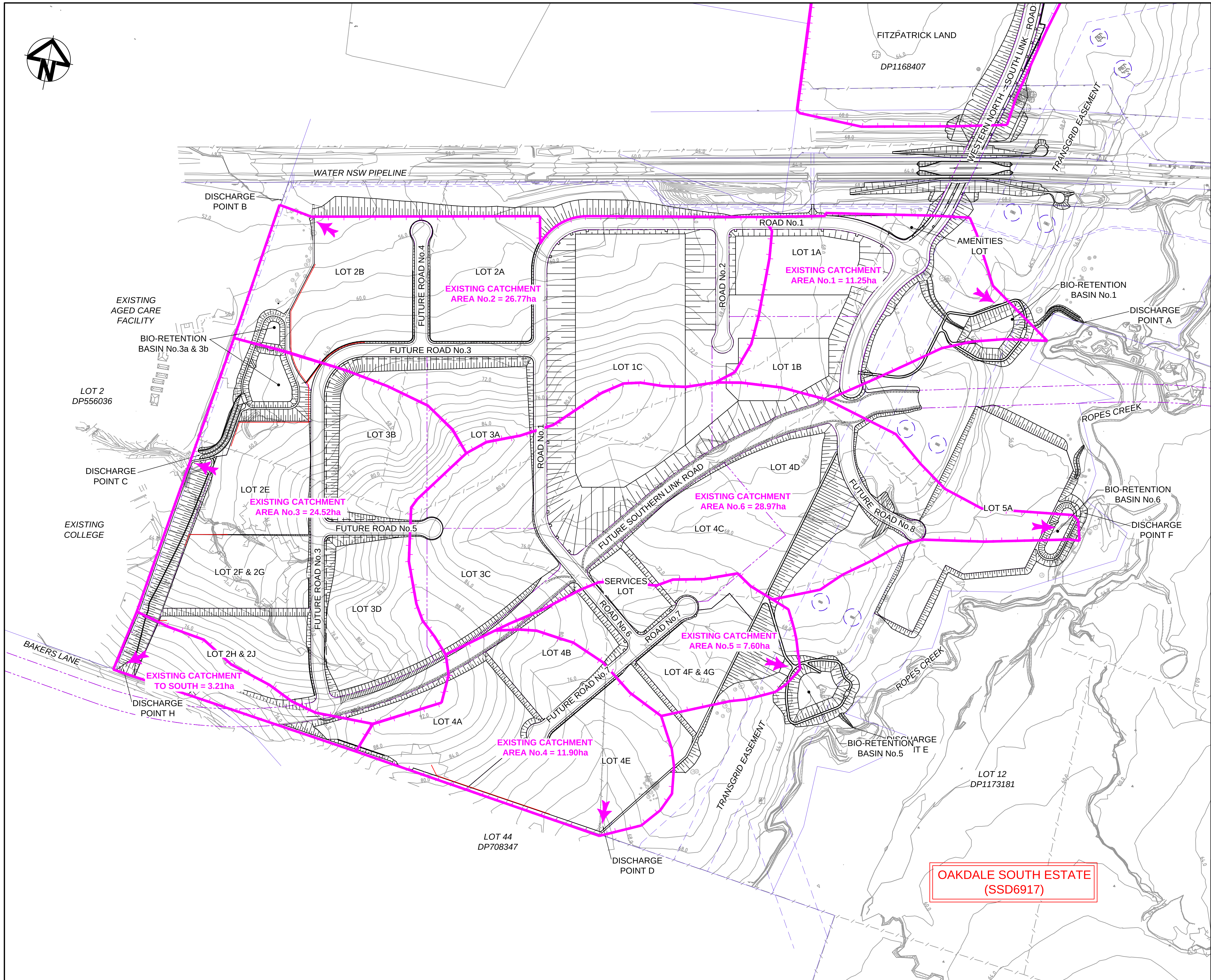
Project
PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

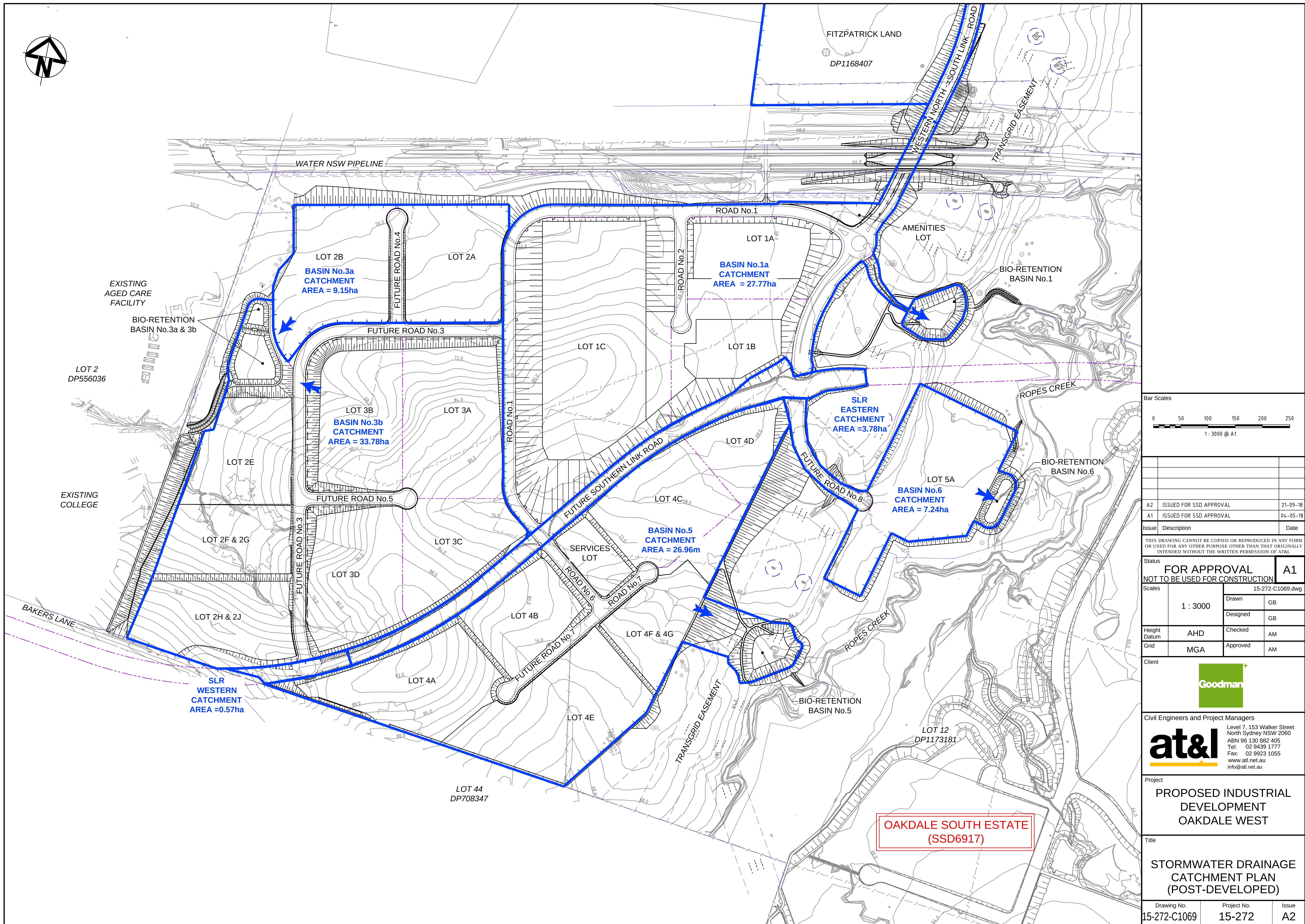
Title
BIO-RETENTION BASIN No.6 DETAIL PLAN

Drawing No.	Project No.	Issue
15-272-C1066	15-272	A3



BASIN FILTER MEDIA DETAIL
SCALE 1:20





0 50 100 150 200 250
1 : 3000 @ A1

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM
OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY
INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Scales		15-272-C1069.dwg
--------	--	------------------

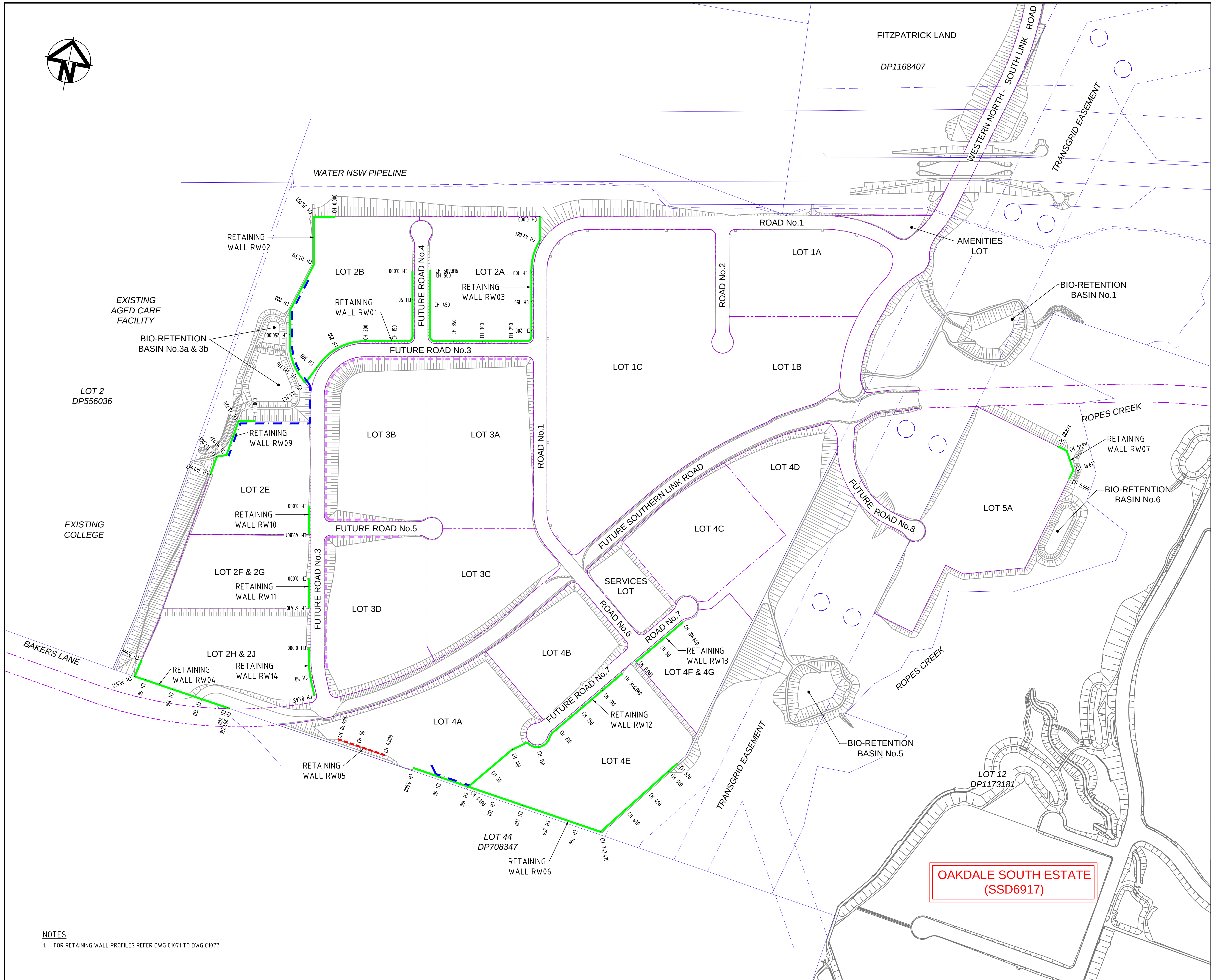
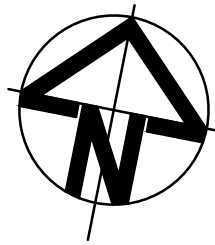
Client [REDACTED] +



Title

STORMWATER DRAINAGE
CATCHMENT PLAN
(POST-DEVELOPED)

Drawing No.	Project No.	Issue
15-272-C1069	15-272	A2



LEGEND

EXISTING

EXISTING BOUNDARY

EXISTING EASEMENT

PROPOSED

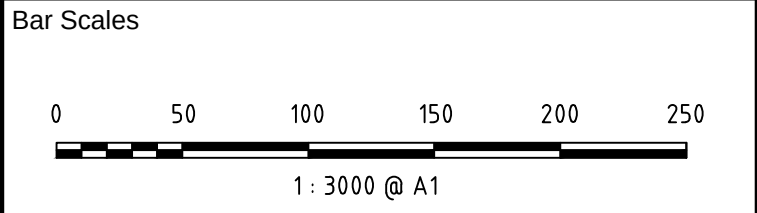
PROPOSED RETAINING WALL - FILL

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.



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

Issue	Description	Date
-------	-------------	------

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I.

Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

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

Client

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Project

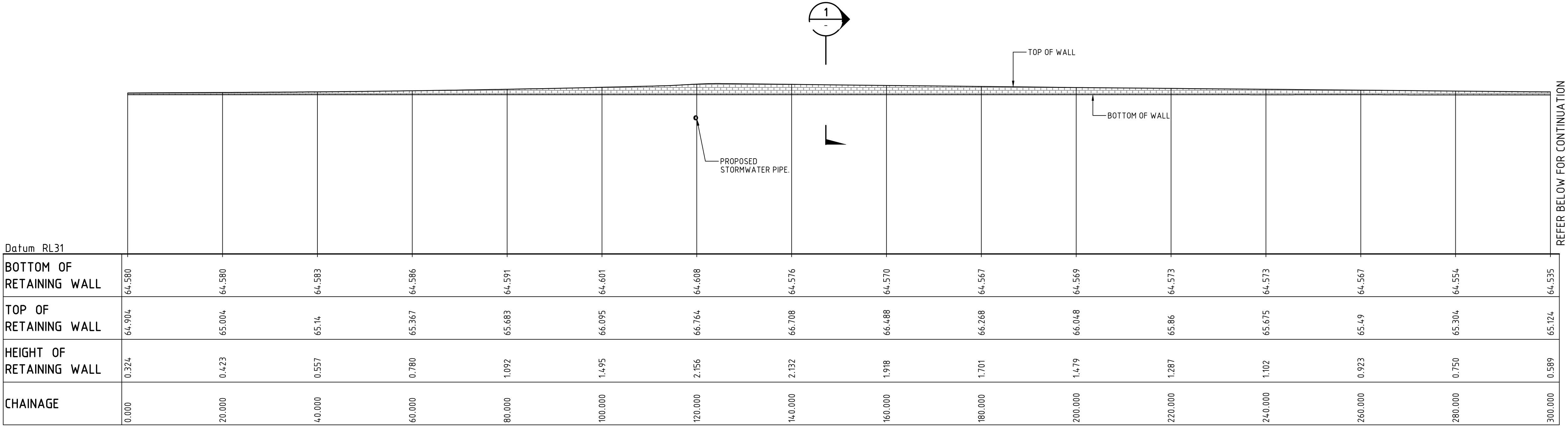
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

Title

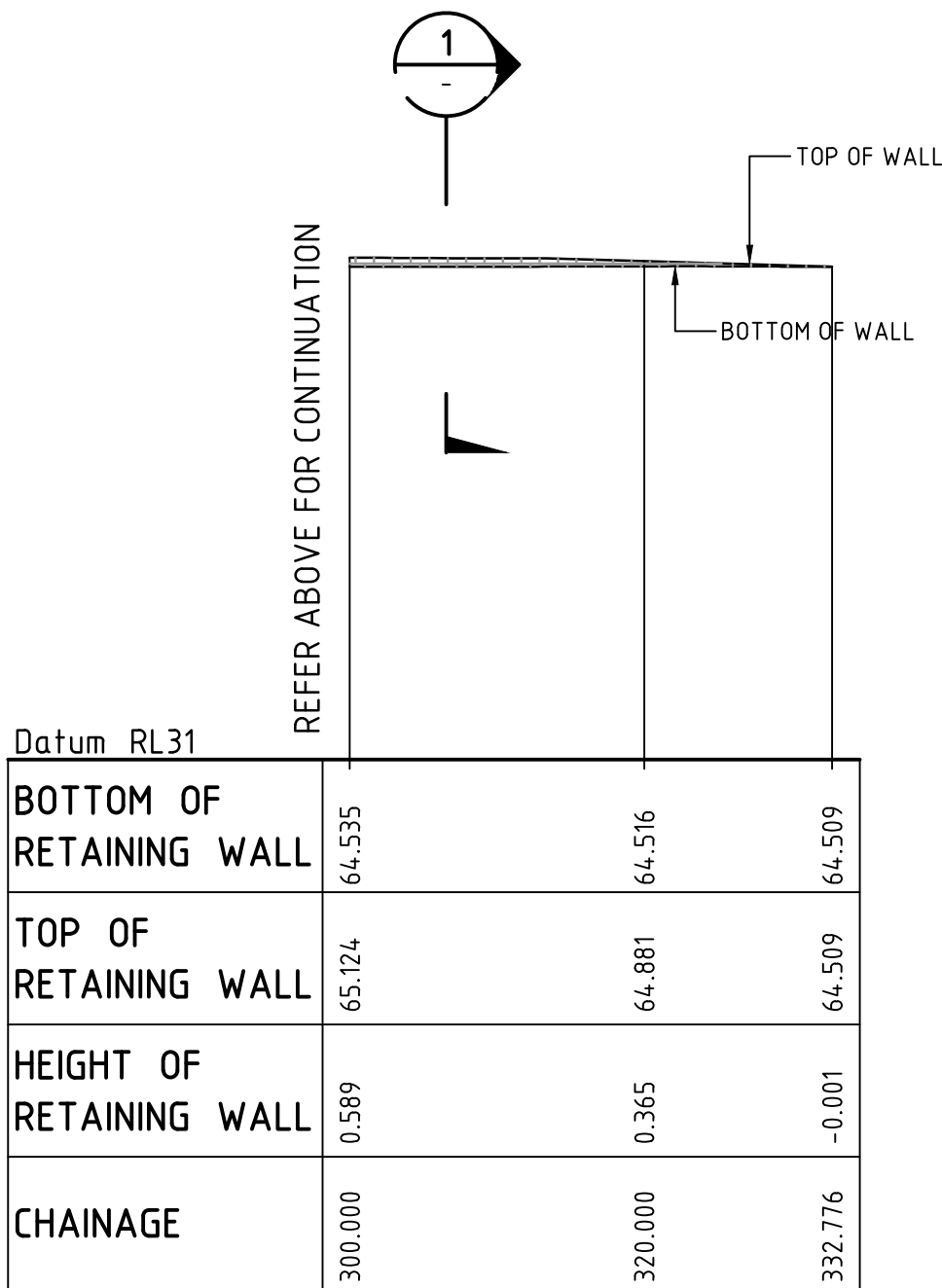
RETAINING WALL
GENERAL ARRANGEMENT
PLAN

Drawing No.	Project No.	Issue
15-272-C1070	15-272	A4

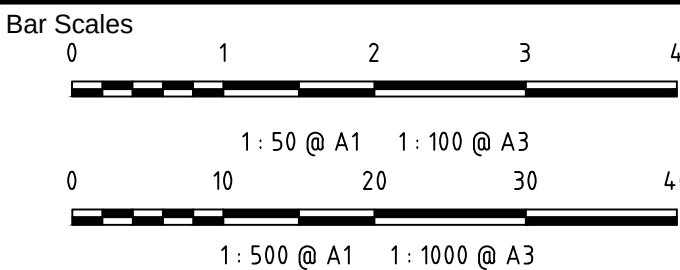
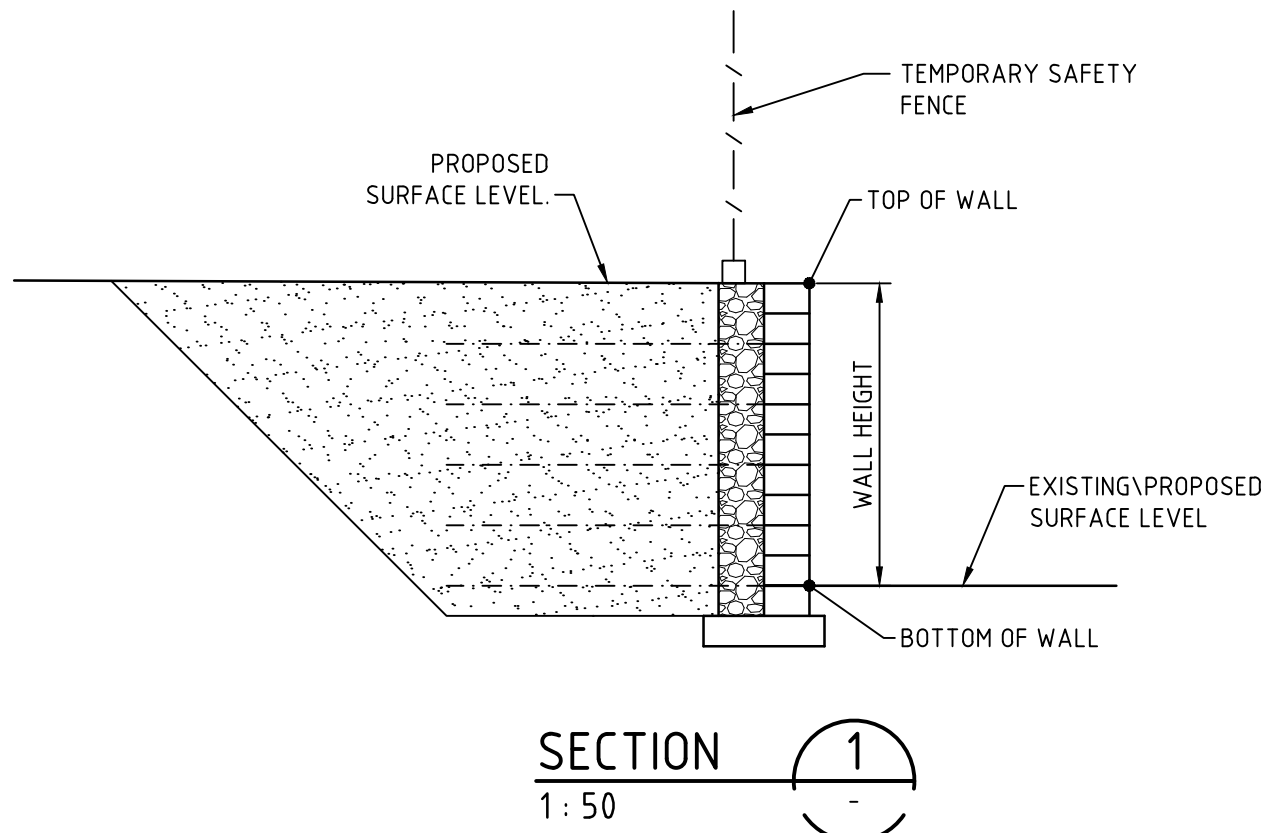
- NOTES
1. FOR RETAINING WALL PROFILES REFER DWG C1071 TO DWG C1077.



RETAINING WALL RW01 PROFILE
SCALE 1:500 HORI.
1:500 VERT.



RETAINING WALL RW01 PROFILE
SCALE 1:500 HORI.
1:500 VERT.



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
-------	-------------	------

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

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



Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

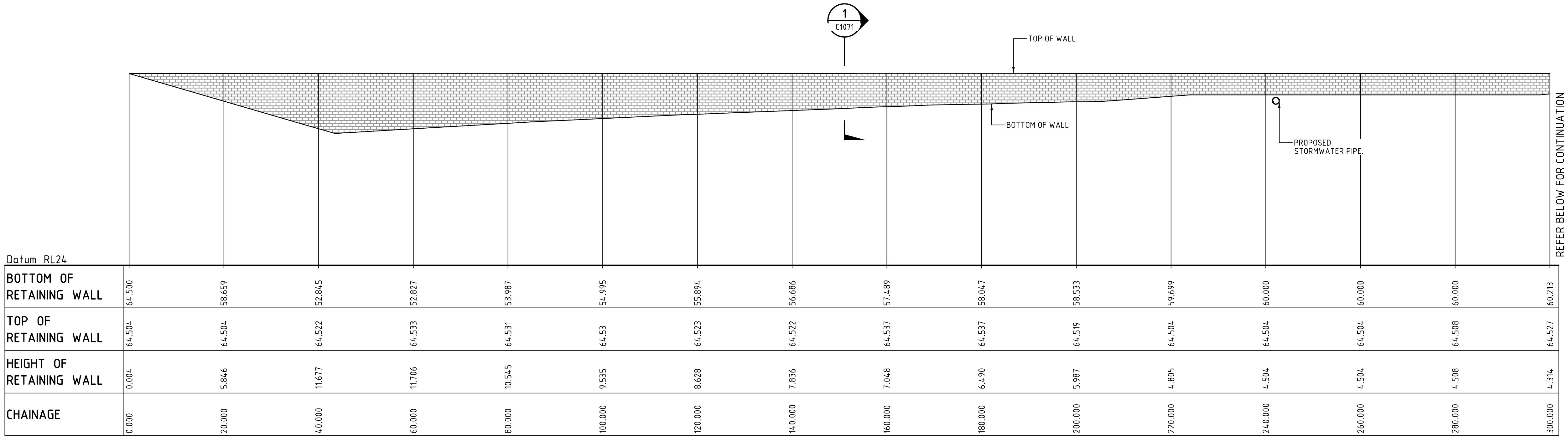
Project

PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title

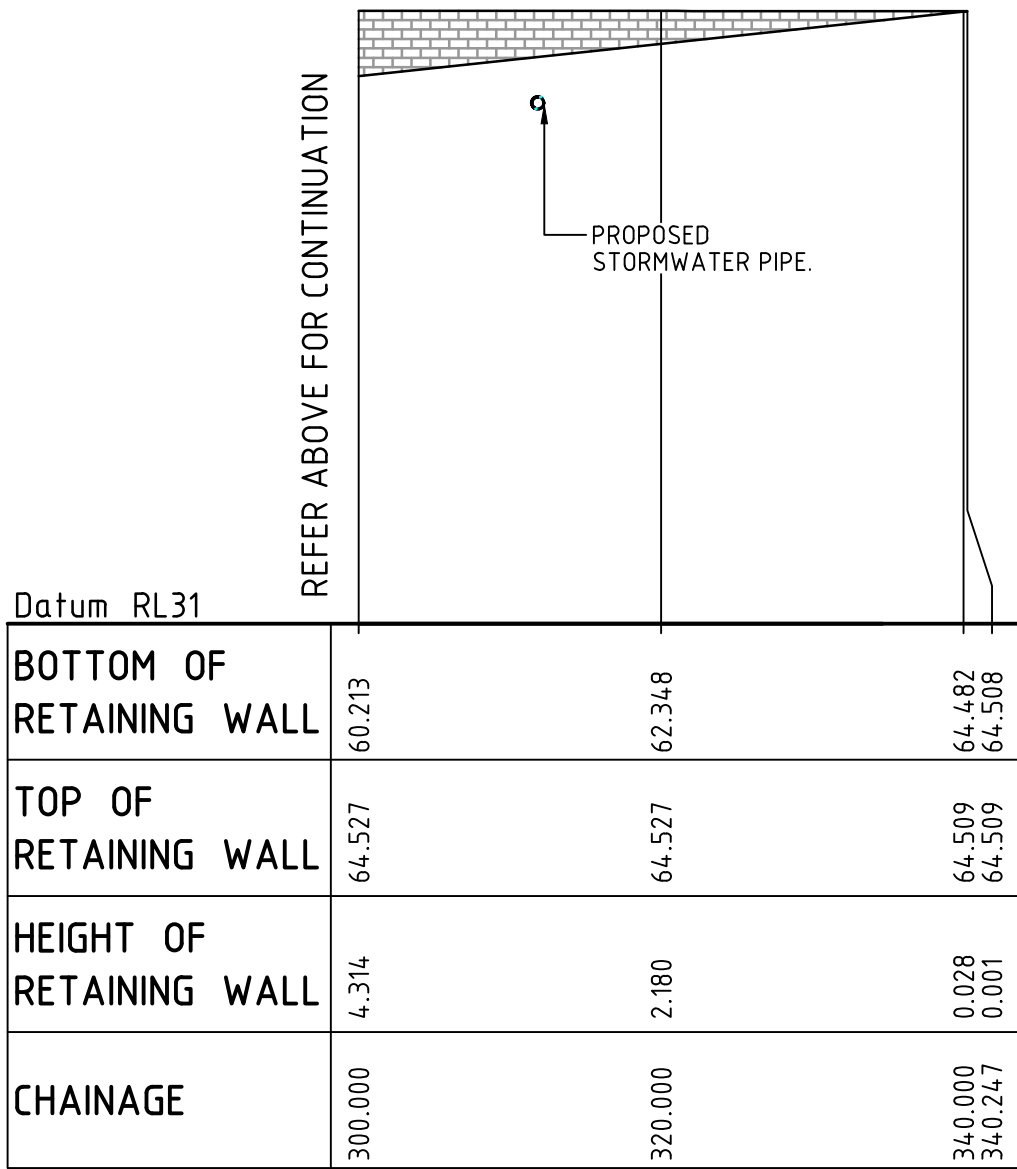
RETAINING WALL PROFILES SHEET 1 OF 7

Drawing No.	Project No.	Issue
15-272-C1071	15-272	A3



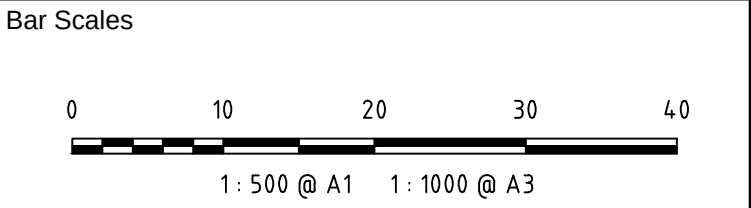
RETAINING WALL RW02 PROFILE

SCALE 1:500 HORI.
1:500 VERT.



RETAINING WALL RW02 PROFILE

SCALE 1:500 HORI.
1:500 VERT.



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

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

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

Client



Civil Engineers and Project Managers



Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

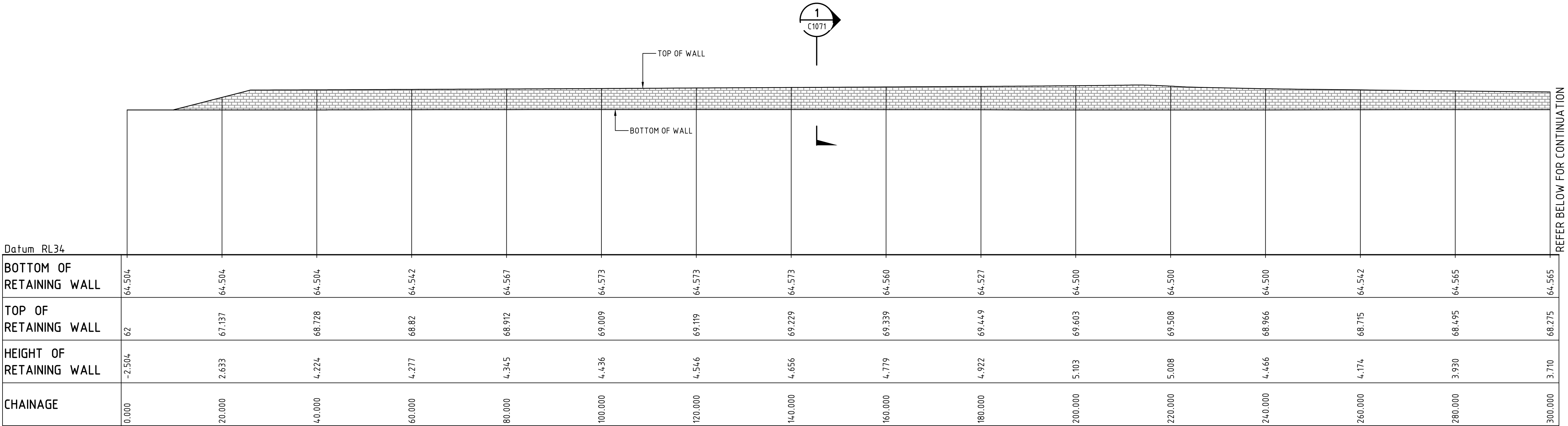
Project

PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

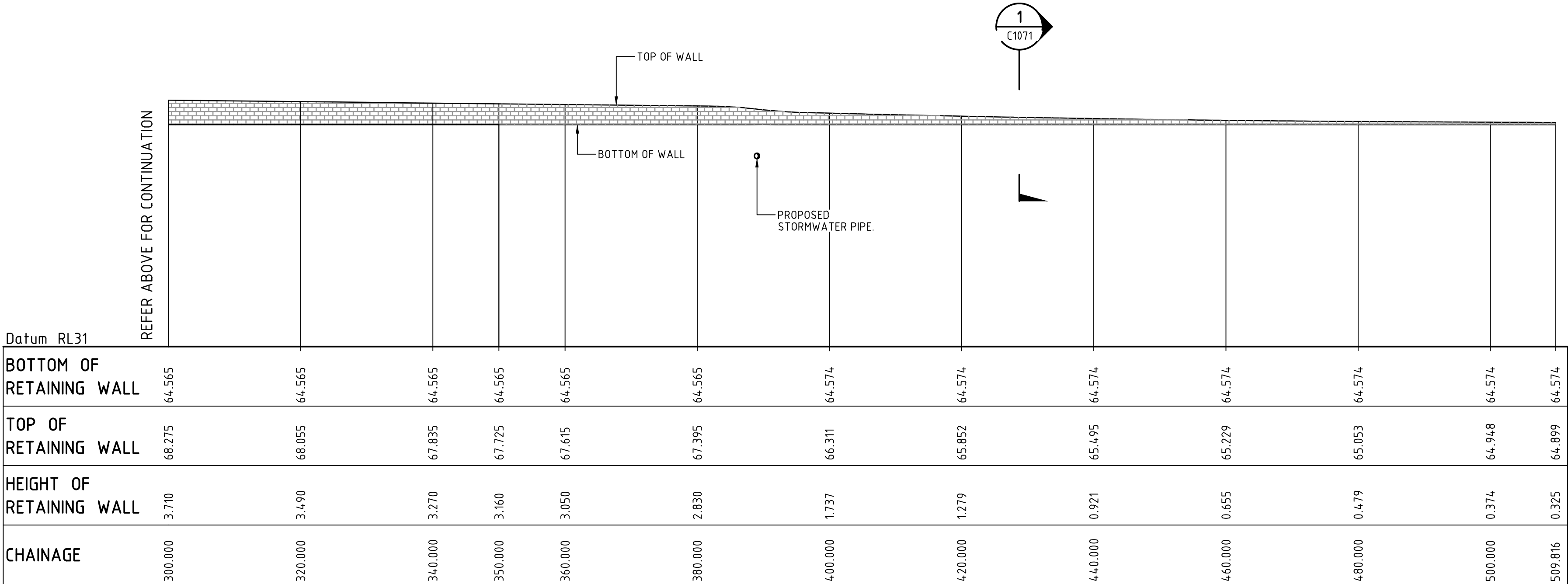
Title

RETAINING WALL PROFILES SHEET 2 OF 7

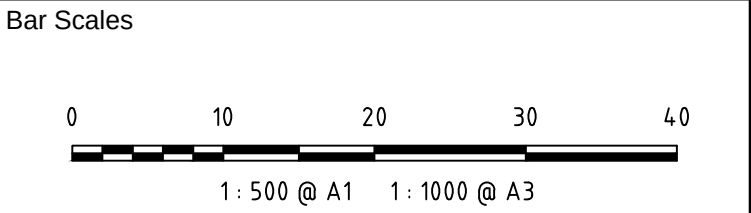
Drawing No.	Project No.	Issue
15-272-C1072	15-272	A3



RETAINING WALL RW03 PROFILE
SCALE 1:500 HORI.
1:500 VERT.



RETAINING WALL RW03 PROFILE
SCALE 1:500 HORI.
1:500 VERT.



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
-------	-------------	------

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

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



Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

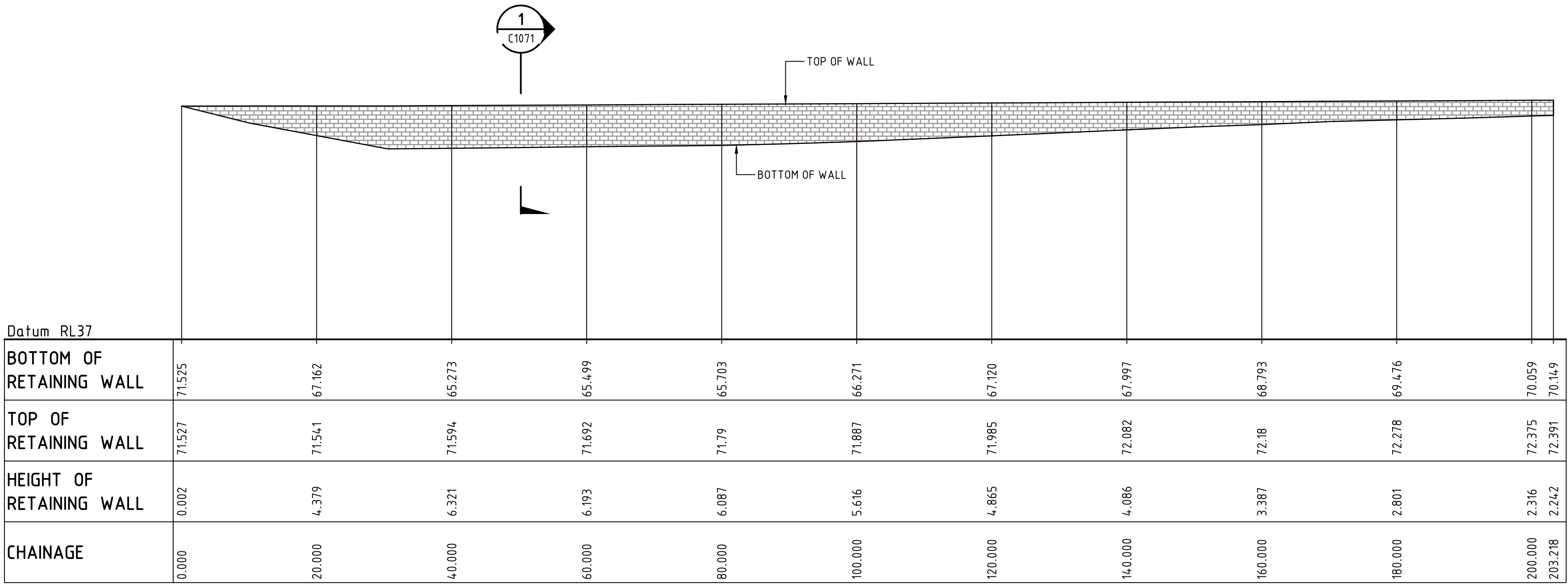
Project

PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title

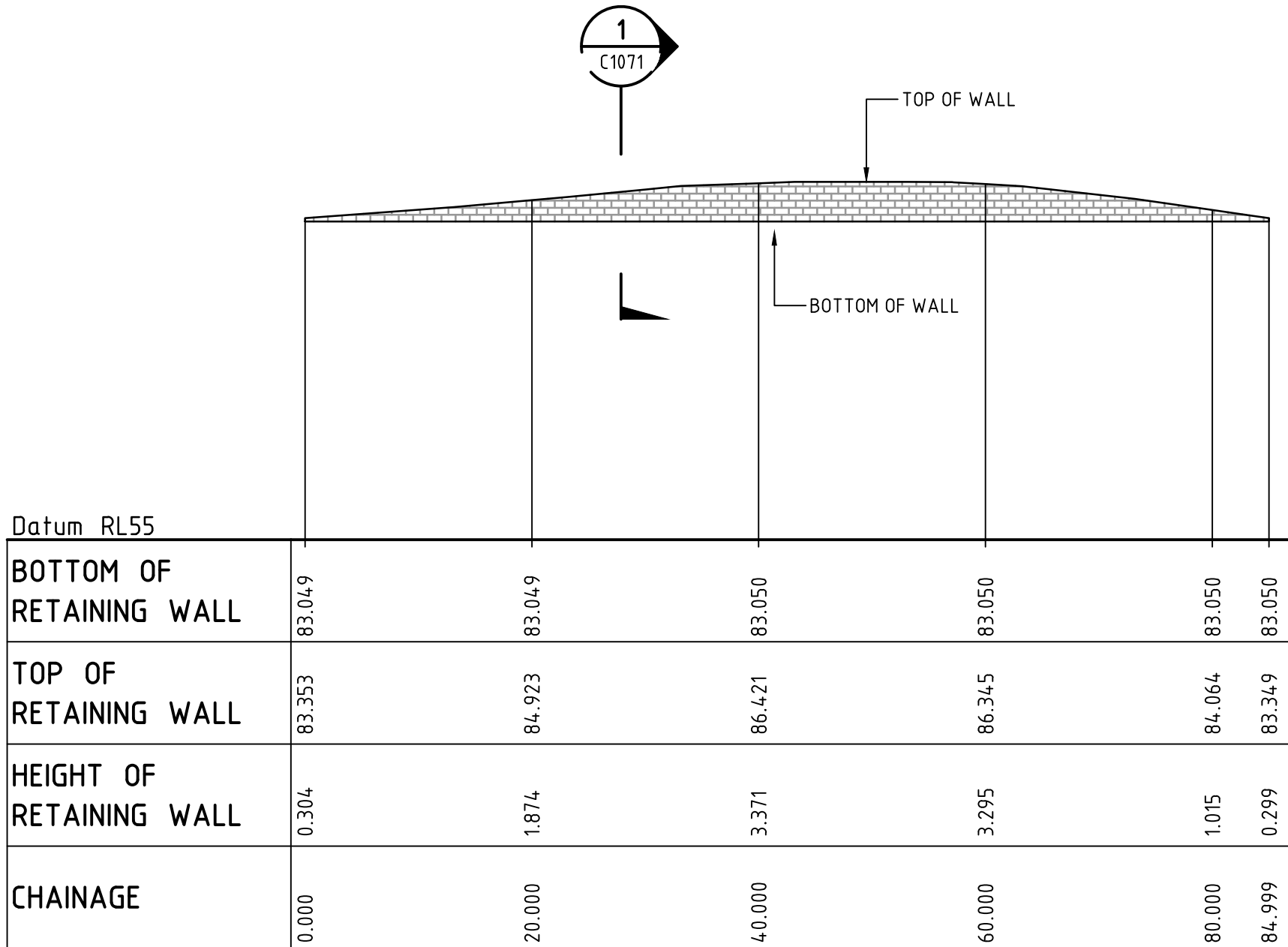
RETAINING WALL PROFILES SHEET 3 OF 7

Drawing No.	Project No.	Issue
15-272-C1073	15-272	A3



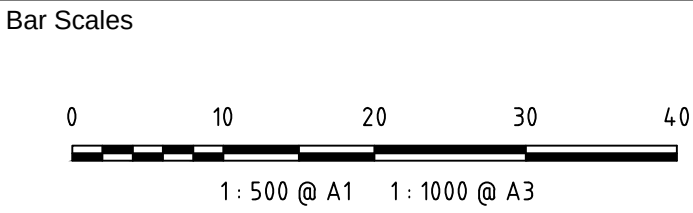
RETAINING WALL RW04 PROFILE

SCALE 1:500 HORI.
1:500 VERT.



RETAINING WALL RW05 PROFILE

SCALE 1:500 HORI.
1:500 VERT.



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
-------	-------------	------

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Status	FOR 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



Civil Engineers and Project Managers



Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

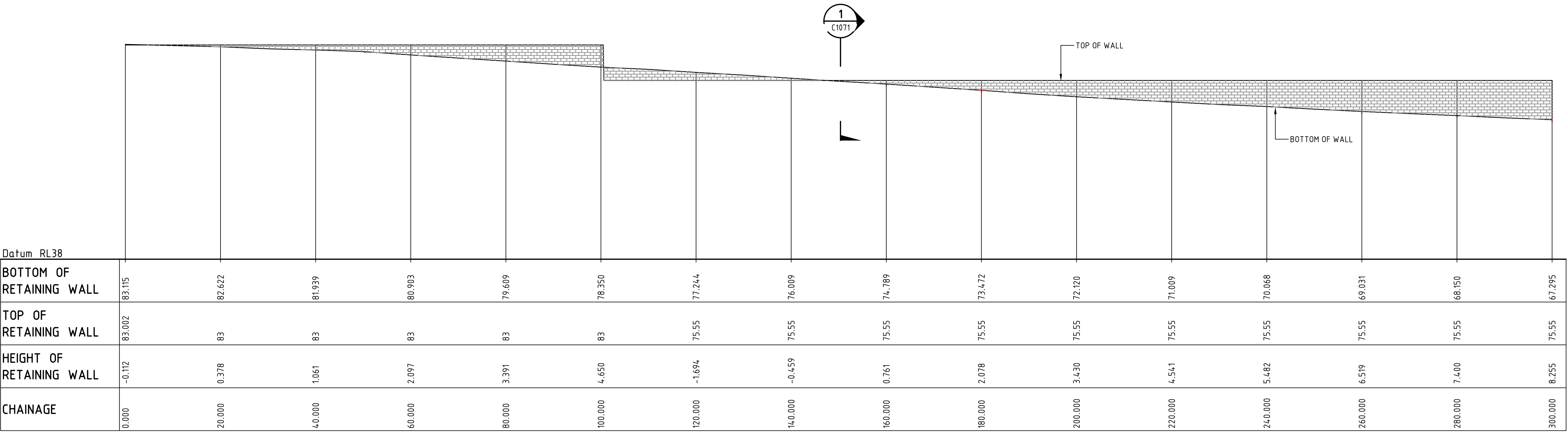
Project

PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST

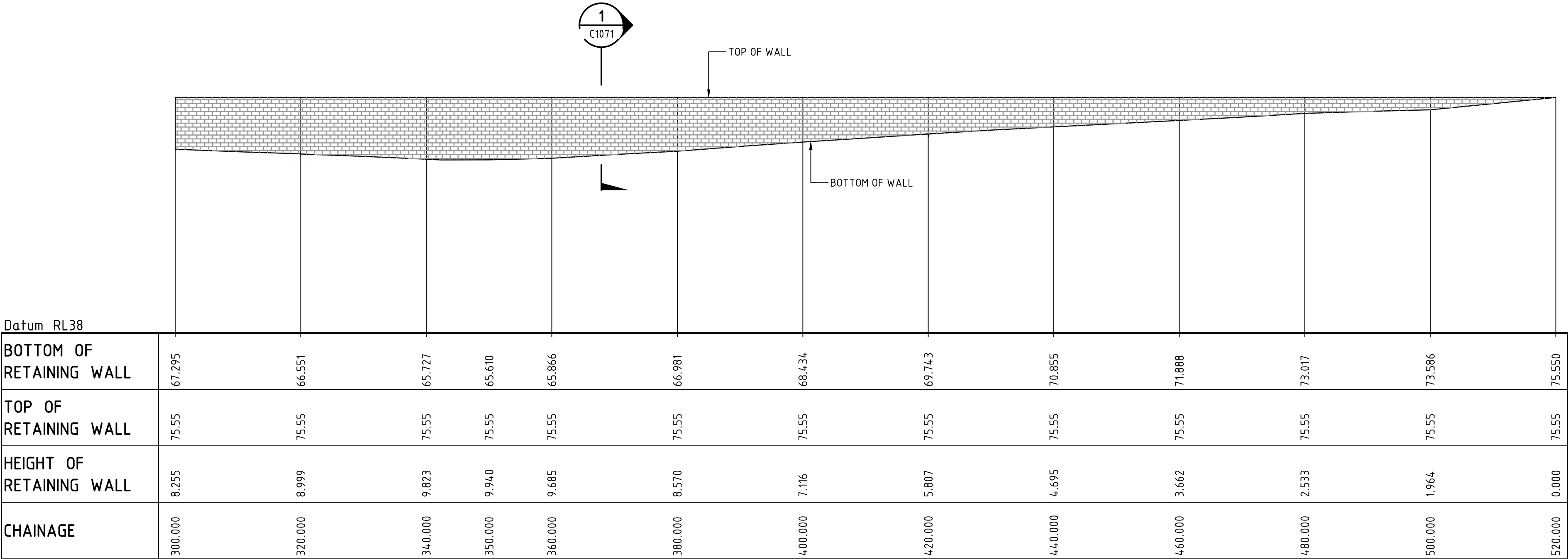
Title

RETAINING WALL PROFILES
SHEET 4 OF 7

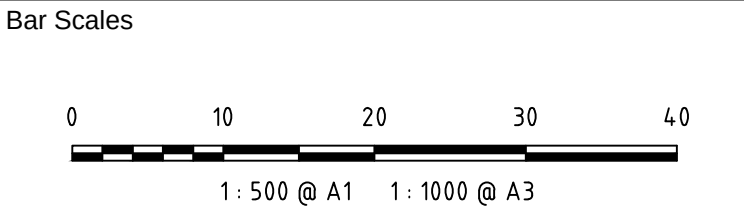
Drawing No.	Project No.	Issue
15-272-C1074	15-272	A3



RETAINING WALL RW06 PROFILE
SCALE 1:500 HORI.
1:500 VERT.



RETAINING WALL RW06 PROFILE
SCALE 1:500 HORI.
1:500 VERT.



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
-------	-------------	------

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

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



Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

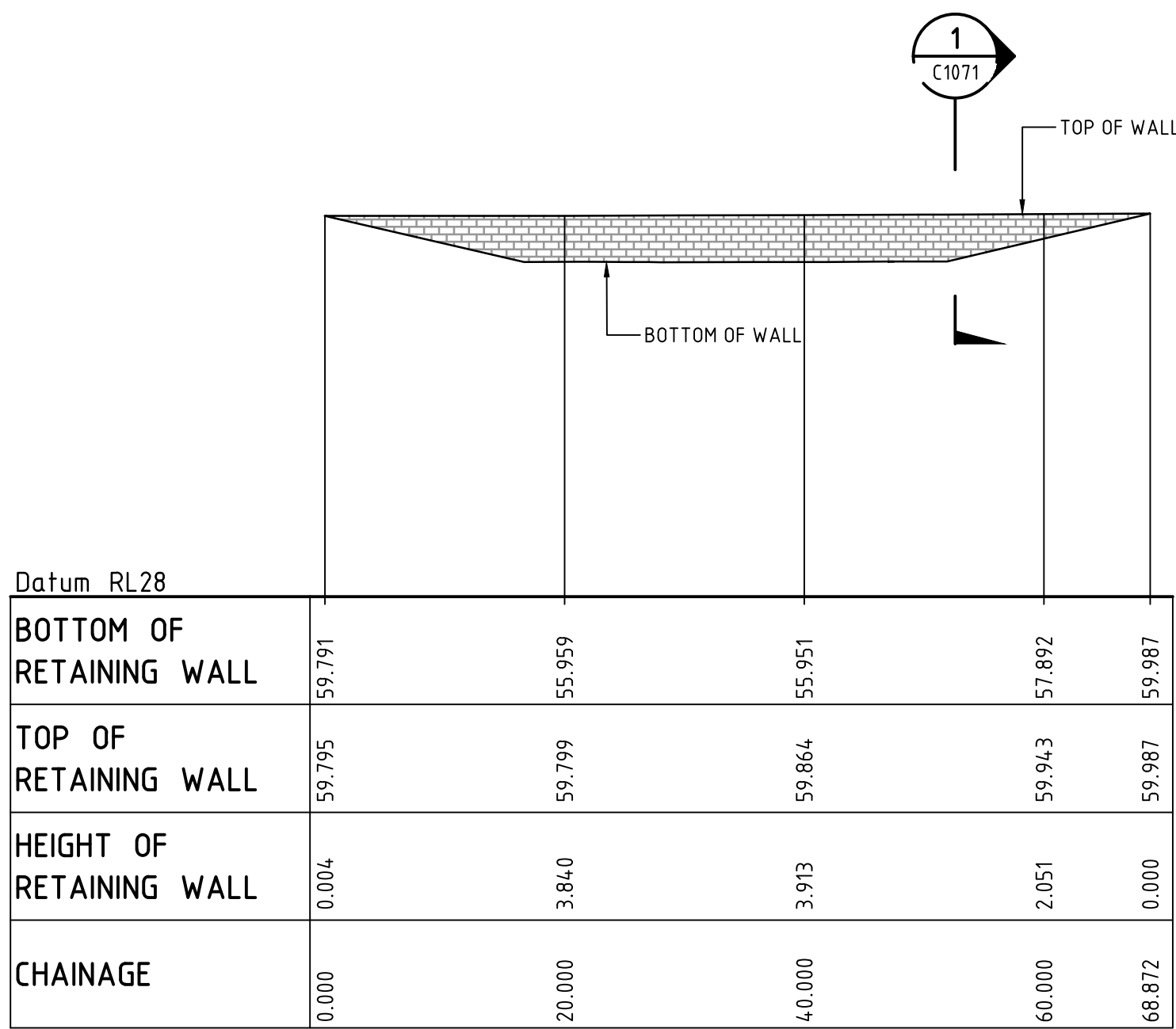
Project

PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

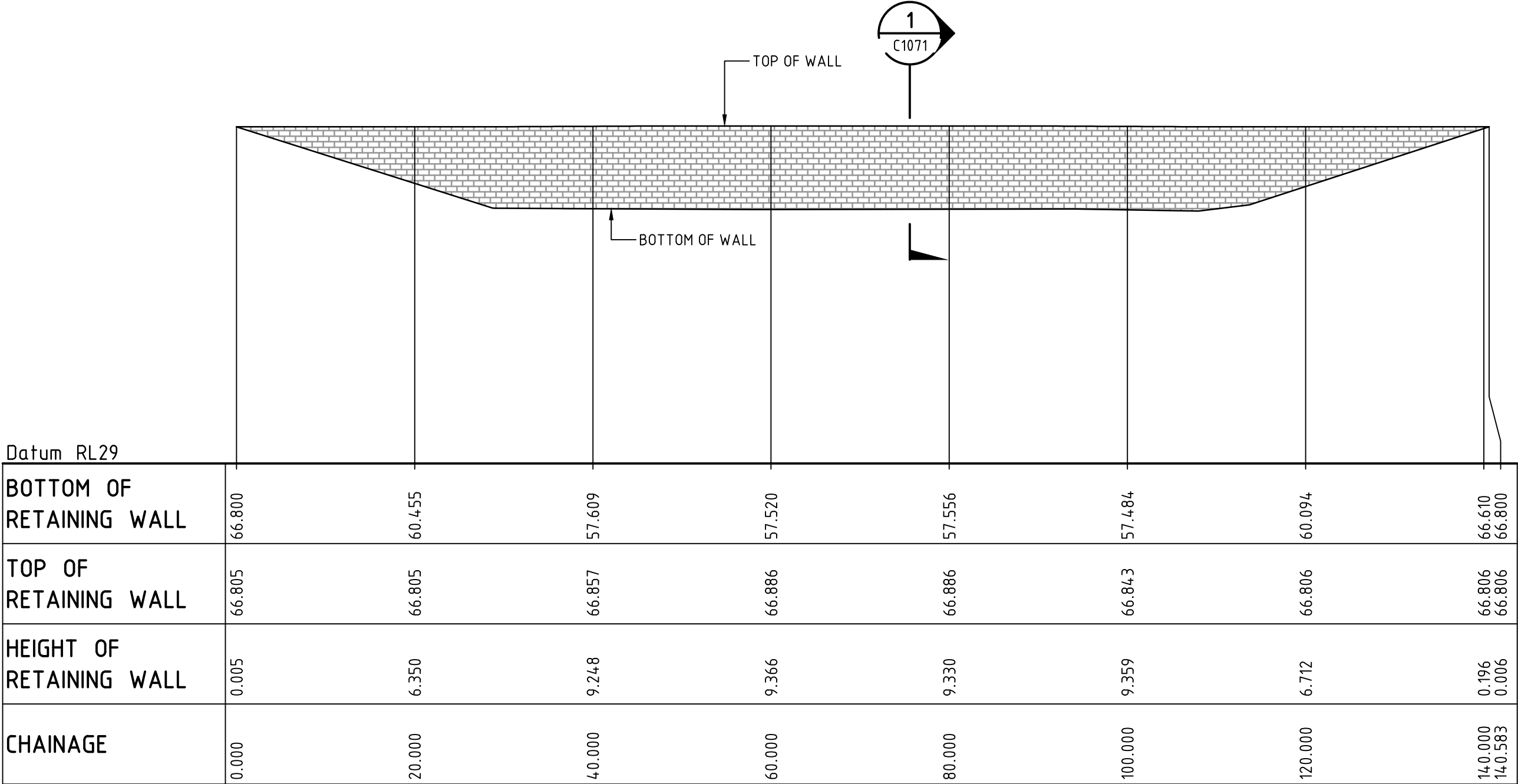
Title

RETAINING WALL PROFILES SHEET 5 OF 7

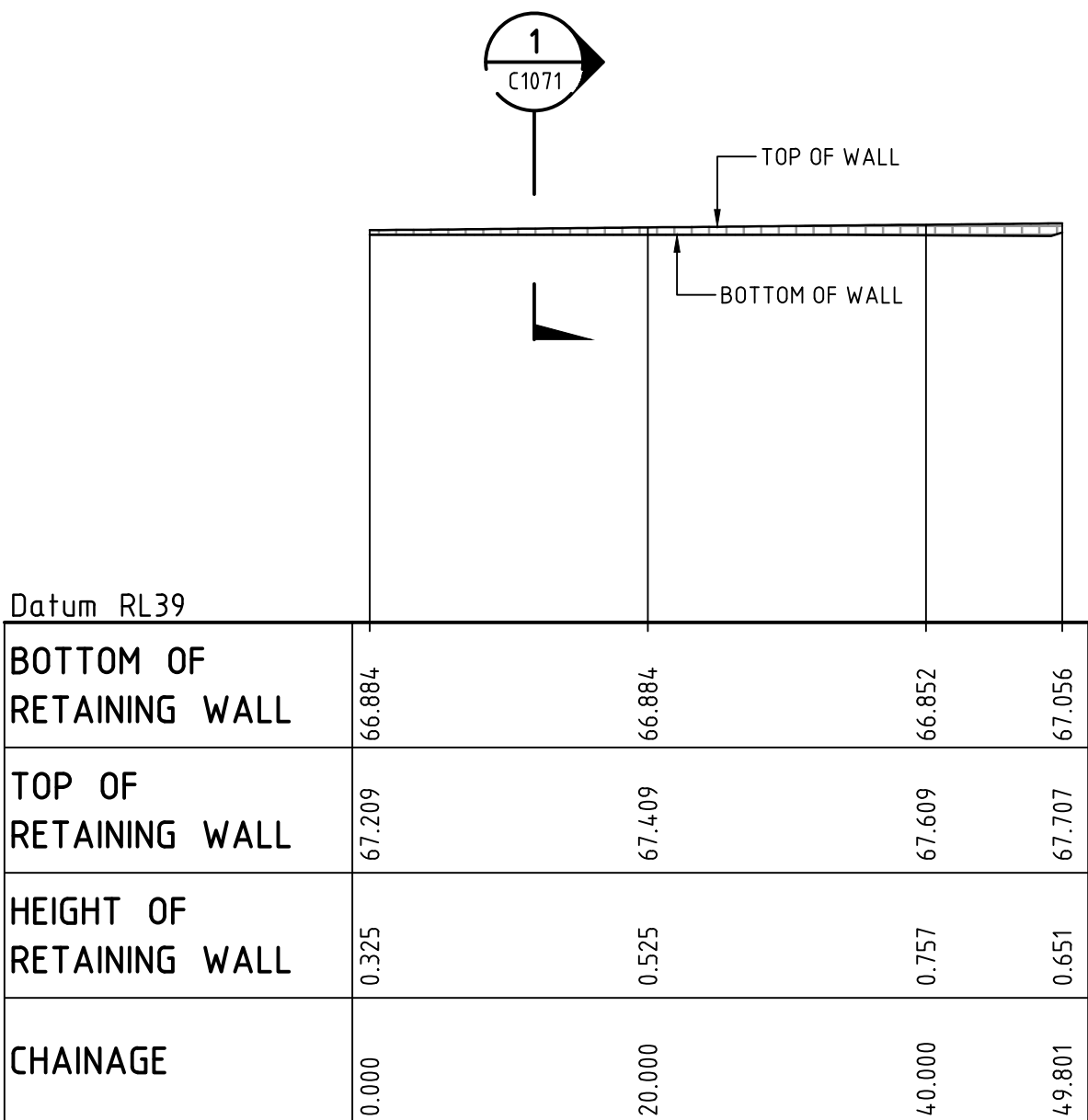
Drawing No.	Project No.	Issue
15-272-C1075	15-272	A3



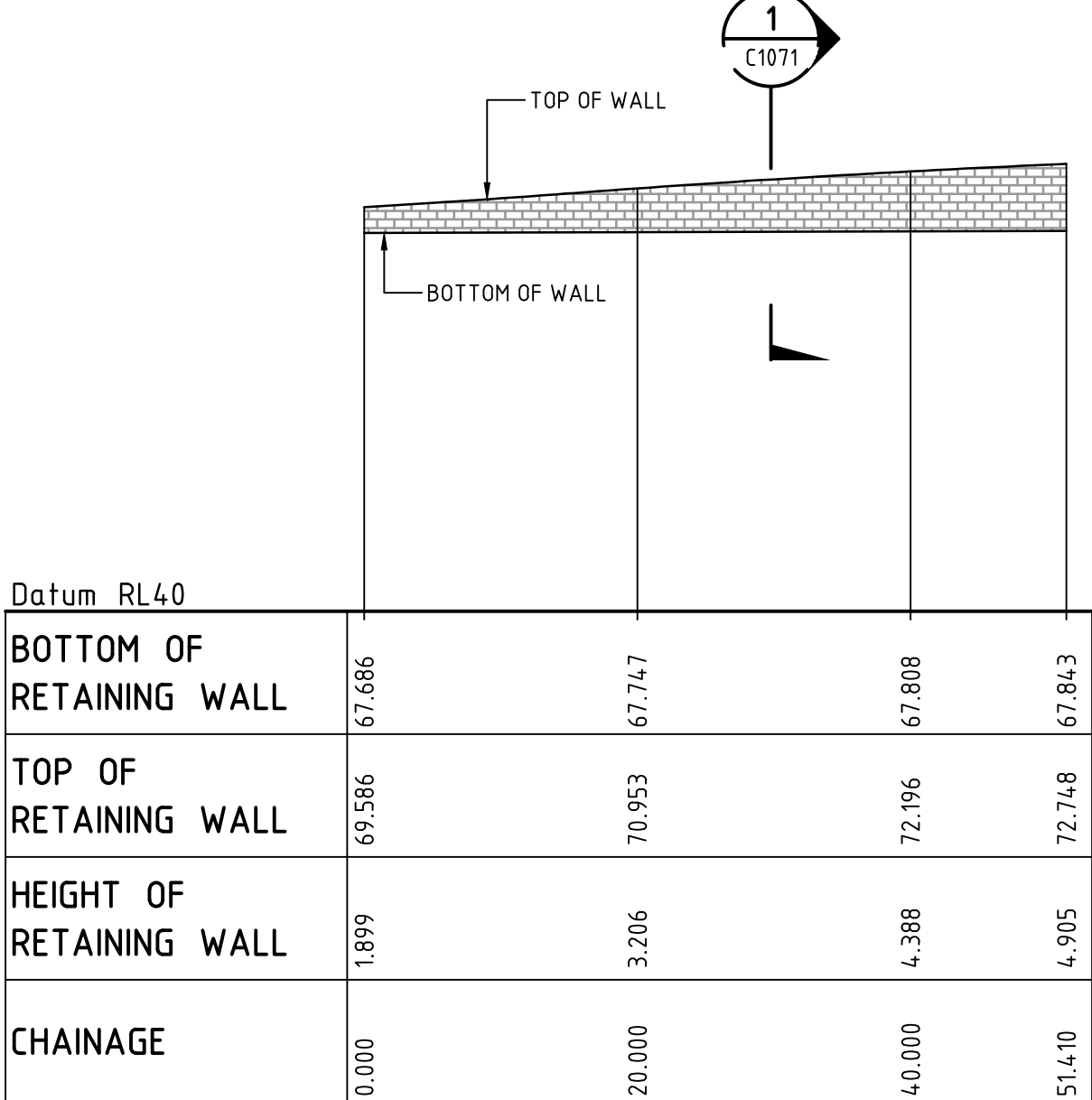
RETAINING WALL RW07 PROFILE
SCALE 1:500 HORI.
1:500 VERT.



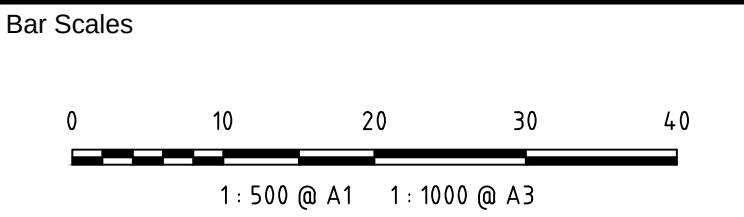
RETAINING WALL RW09 PROFILE
SCALE 1:500 HORI.
1:500 VERT.



RETAINING WALL RW10 PROFILE
SCALE 1:500 HORI.
1:500 VERT.



RETAINING WALL RW11 PROFILE
SCALE 1:500 HORI.
1:500 VERT.



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
-------	-------------	------

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Status	FOR 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



Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

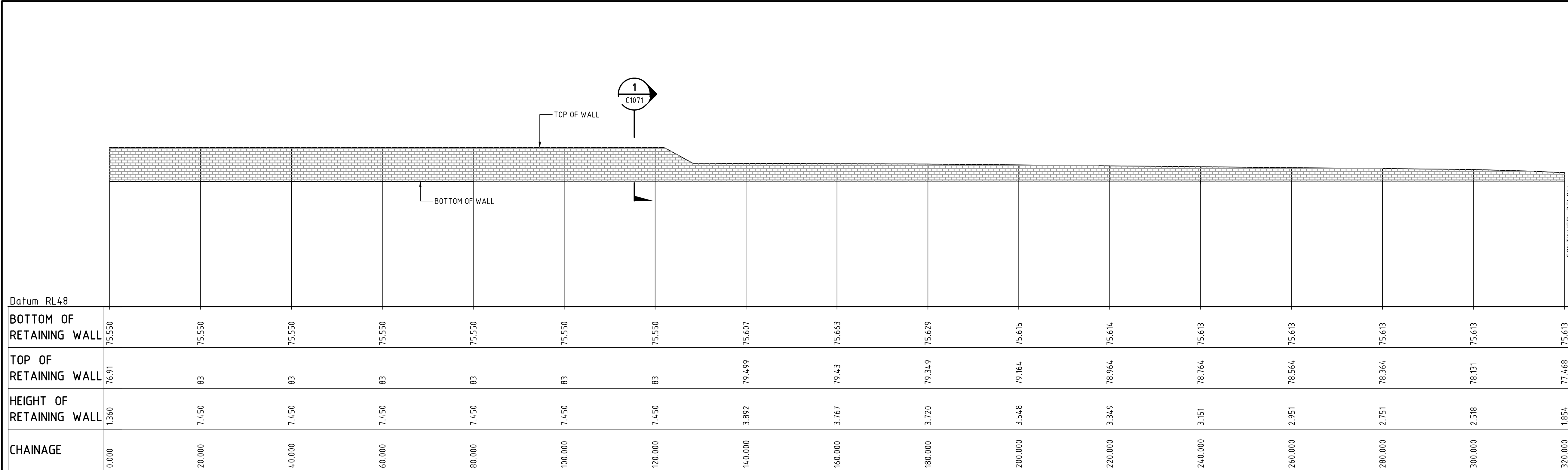
Project

PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

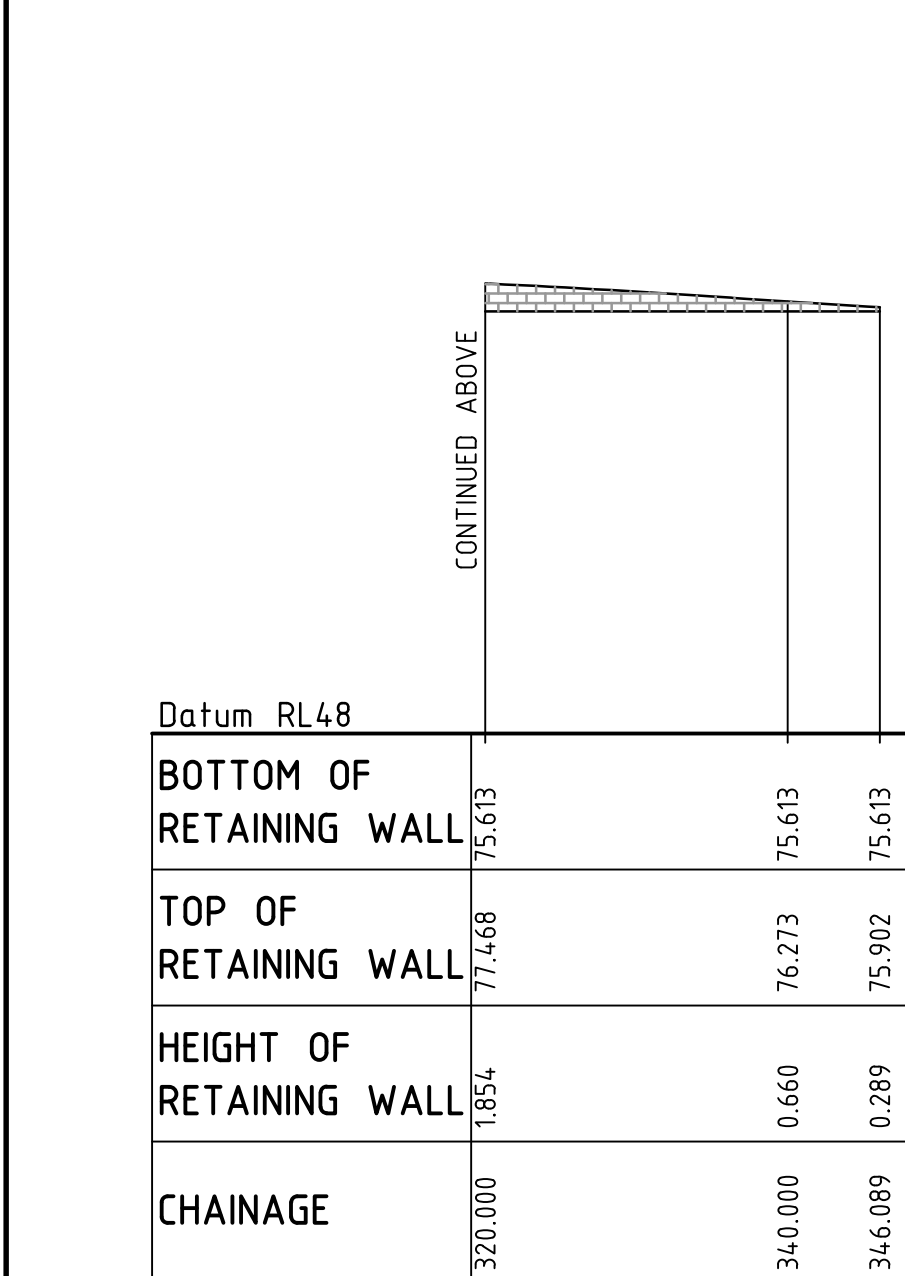
Title

RETAINING WALL PROFILES SHEET 6 OF 7

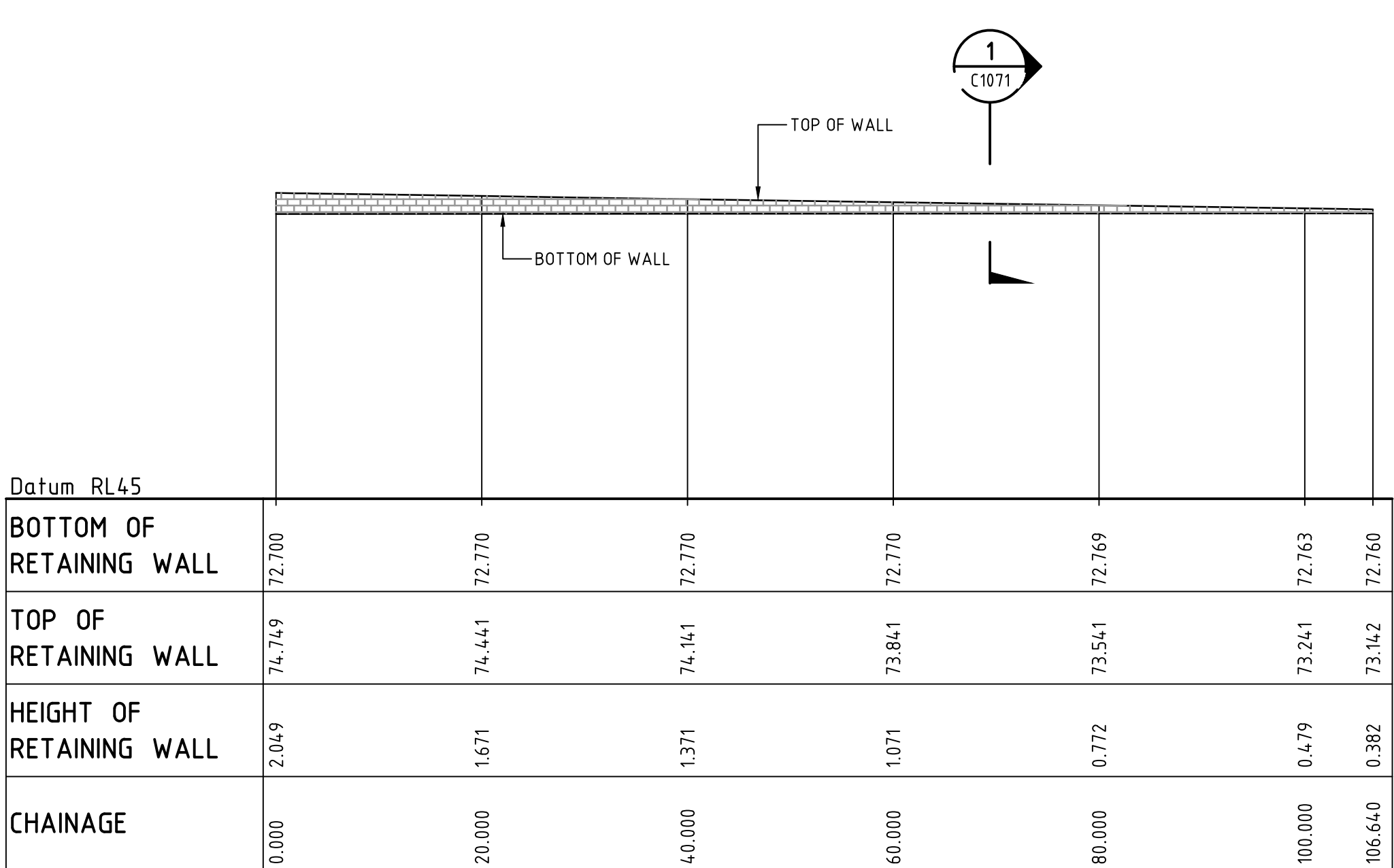
Drawing No. 15-272-C1076	Project No. 15-272	Issue A3
------------------------------------	------------------------------	--------------------



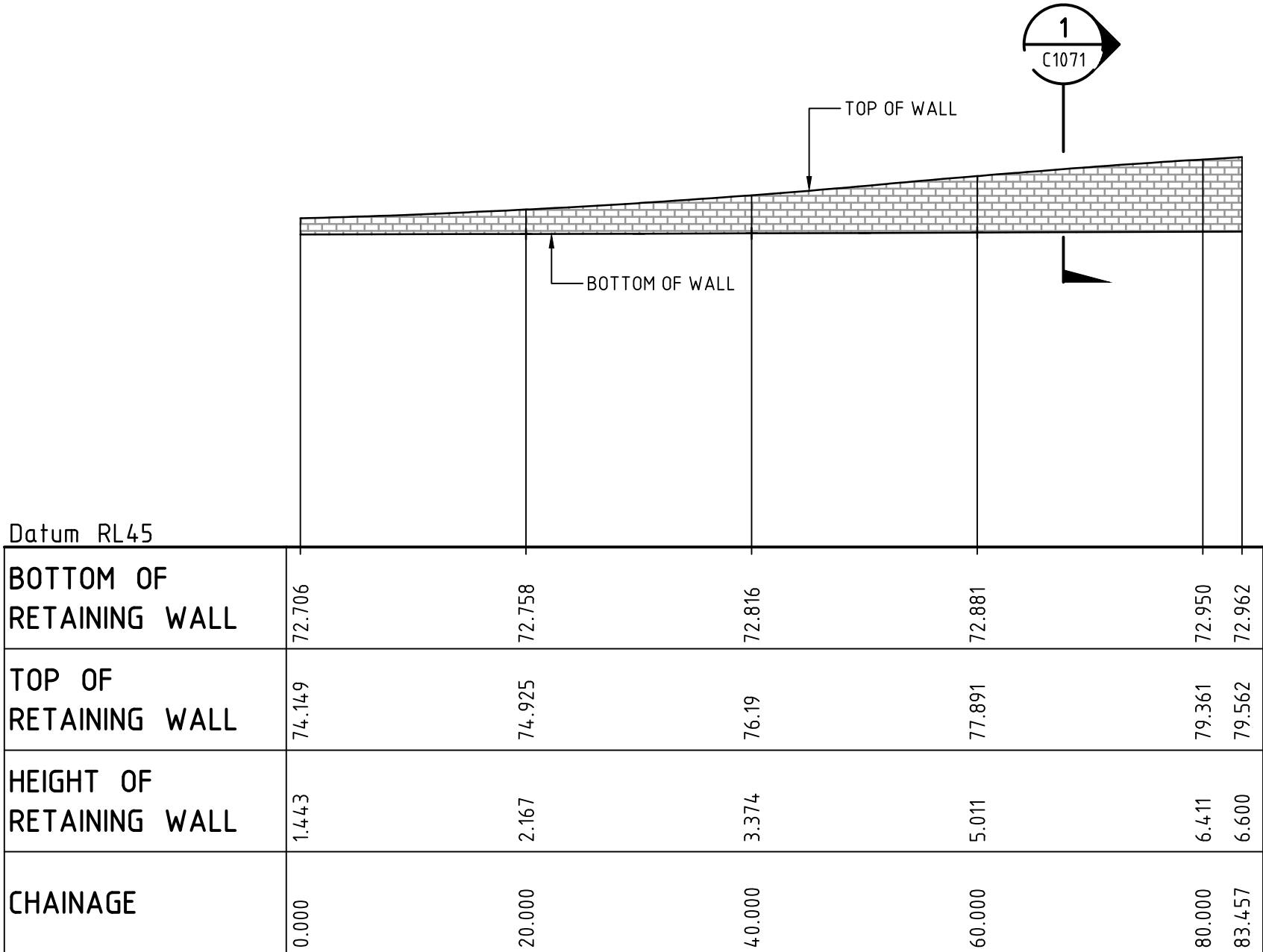
RETAINING WALL RW12 PROFILE
SCALE 1:500 HORI.
1:500 VERT.



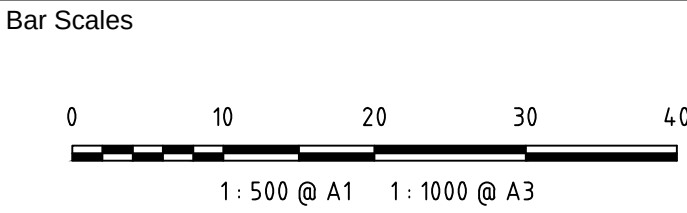
RETAINING WALL RW12 PROFILE
SCALE 1:500 HORI.
1:500 VERT.



RETAINING WALL RW13 PROFILE
SCALE 1:500 HORI.
1:500 VERT.



RETAINING WALL RW14 PROFILE
SCALE 1:500 HORI.
1:500 VERT.



A2	ISSUED FOR SSD APPROVAL	21-09-18
A1	ISSUED FOR SSD APPROVAL	04-05-18
Issue	Description	Date

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Status	FOR APPROVAL	A1
	NOT TO BE USED FOR CONSTRUCTION	

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



Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

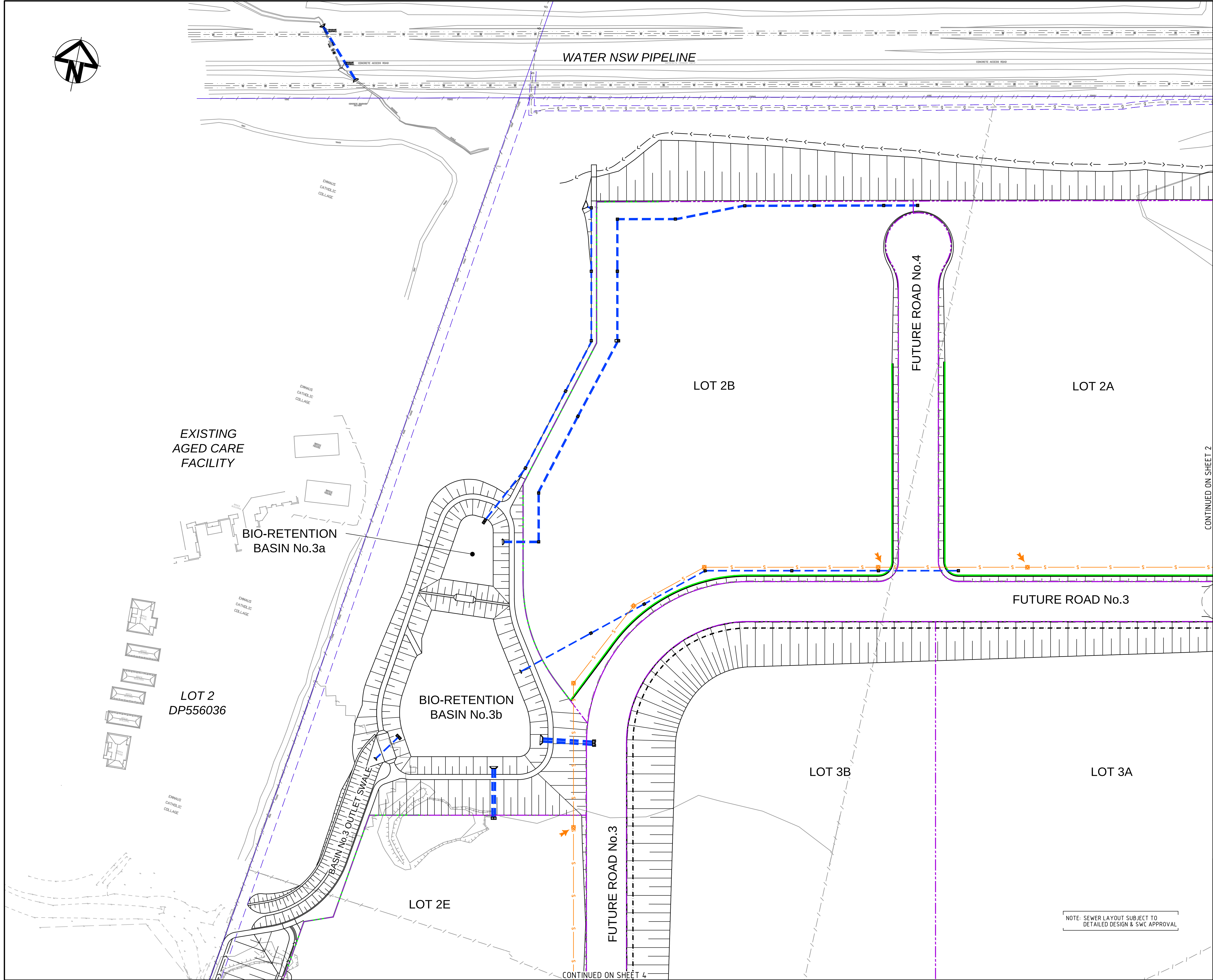
Project

PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title

RETAINING WALL PROFILES SHEET 7 OF 7

Drawing No.	Project No.	Issue
15-272-C1077	15-272	A2



KEYPLAN

SERVICES LEGEND

	PROPOSED	EXISTING
HIGH VOLTAGE ELECTRICITY		
LOW VOLTAGE ELECTRICITY		
ELECTRICITY		
ELECTRICITY OVERHEAD		
TELSTRA CONDUITS		
SEWER SERVICE		
WATER SERVICE		
POTABLE WATER SERVICE		
GAS SERVICE		
STORMWATER		
DISUSED SERVICE		
SEWER MANHOLE		
LIGHT POLE		
POWER POLE		
TELSTRA PIT		

Bar Scales

CONTINUED ON SHEET 2

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

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I.

Status

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

A1

Scales

1 : 1000

15-272-C1080.dwg

Drawn	GB
Designed	GB
Checked	AM
Approved	AM

Height Datum

AHD

Grid

MGA

Client

Civil Engineers and Project Managers

at&i

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

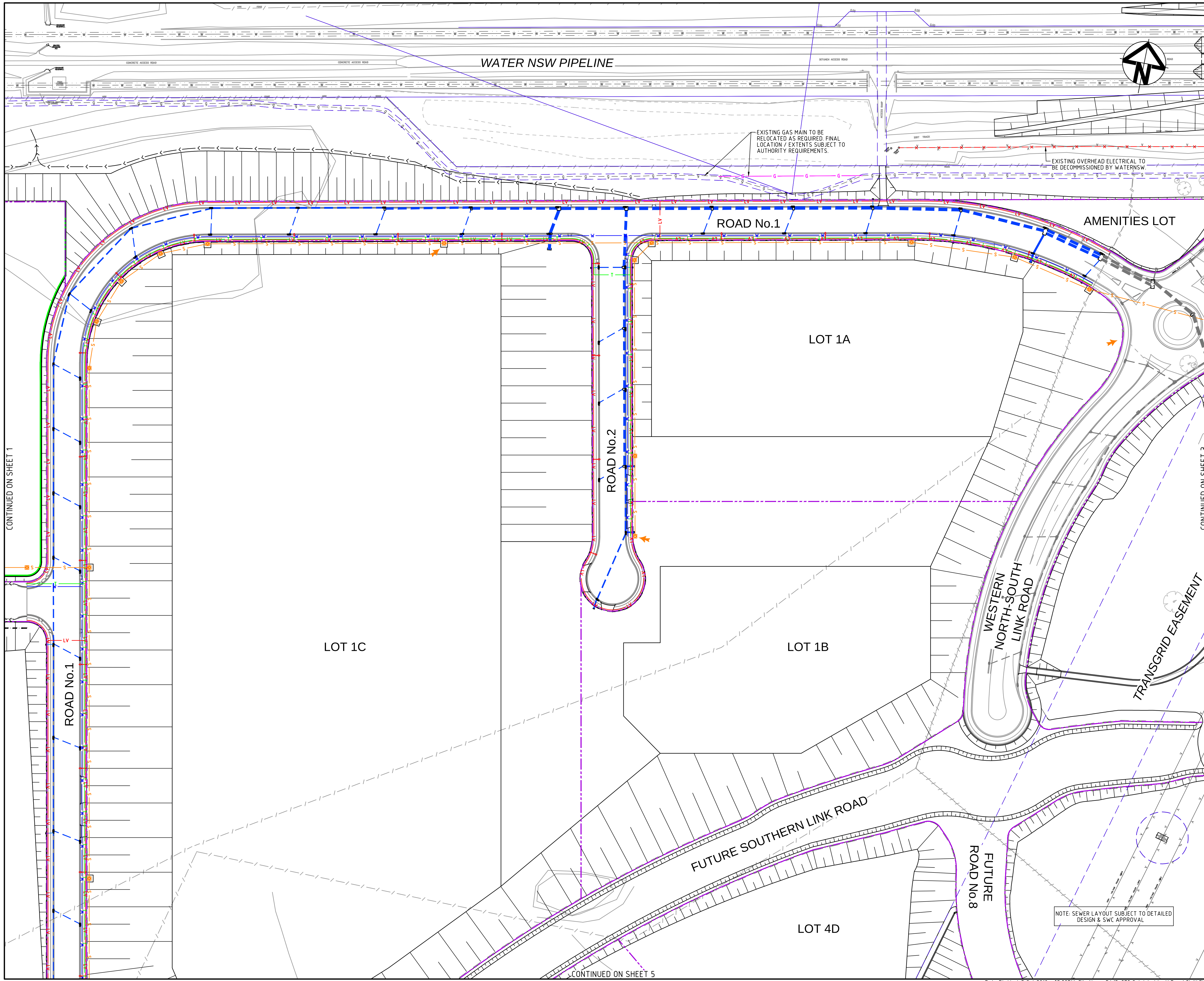
Project

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	A3



KEYPLAN

SERVICES LEGEND

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

Bar Scales

0 20 40 60 80

1 : 1000 @ A1 1 : 2000 @ A3

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

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I.

Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

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

Client

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

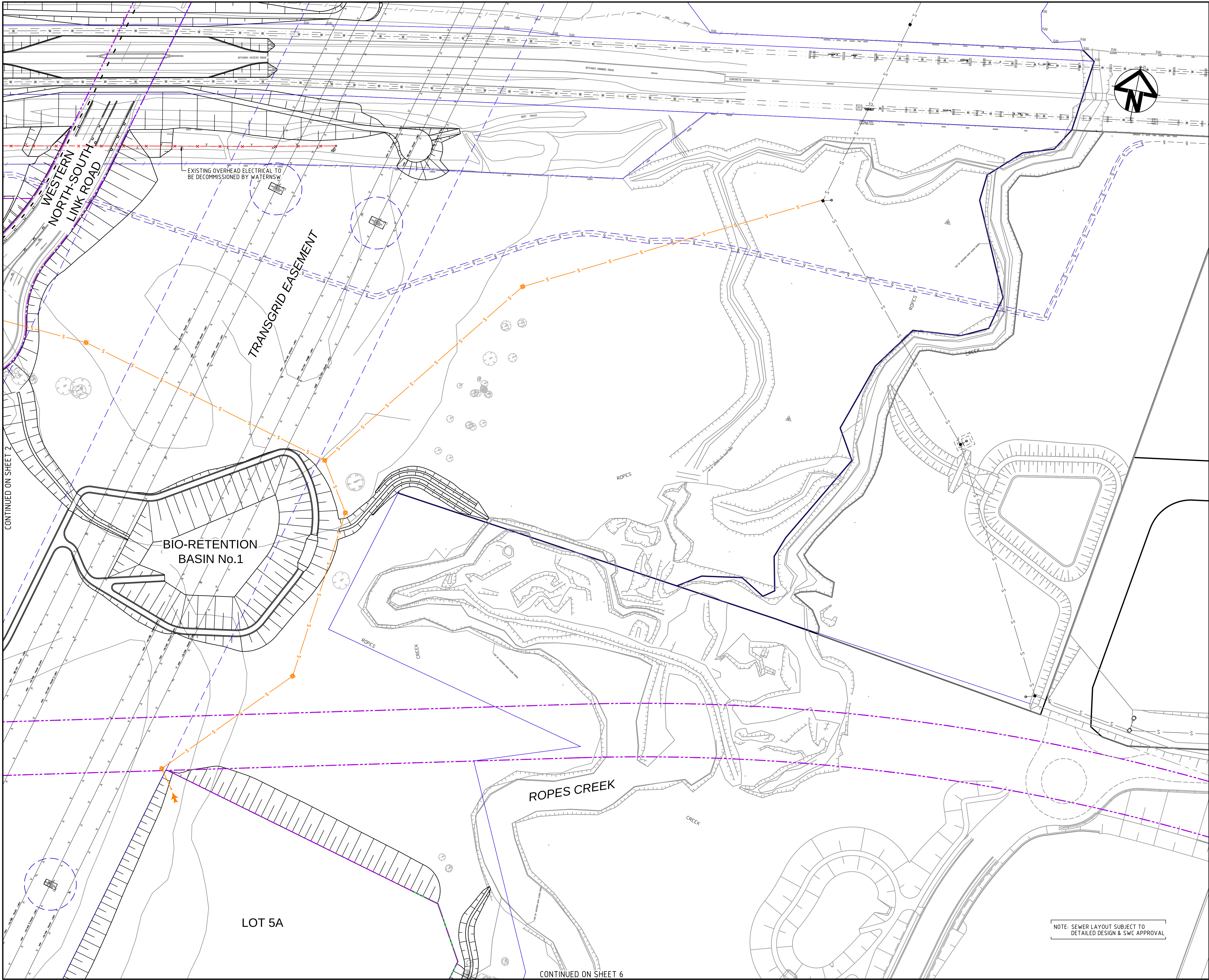
Project

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	A3



KEYPLAN

SERVICES LEGEND

	PROPOSED	EXISTING
HIGH VOLTAGE ELECTRICITY		
LOW VOLTAGE ELECTRICITY		
ELECTRICITY		
ELECTRICITY OVERHEAD		
TELSTRA CONDUITS		
SEWER SERVICE		
WATER SERVICE		
POTABLE WATER SERVICE		
GAS SERVICE		
STORMWATER		
DISUSED SERVICE		
SEWER MANHOLE		
LIGHT POLE		
POWER POLE		
TELSTRA PIT		

Bar Scales

0 20 40 60 80

1 : 1000 @ A1 1 : 2000 @ A3

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
FOR APPROVAL	NOT TO BE USED FOR CONSTRUCTION	A1

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I.

Status

15-272-C1082.dwg

Drawn	GB
Designed	GB
Checked	AM
Approved	AM

Height Datum: AHD

Grid: MGA

Client: Goodman

Civil Engineers and Project Managers

at&i

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

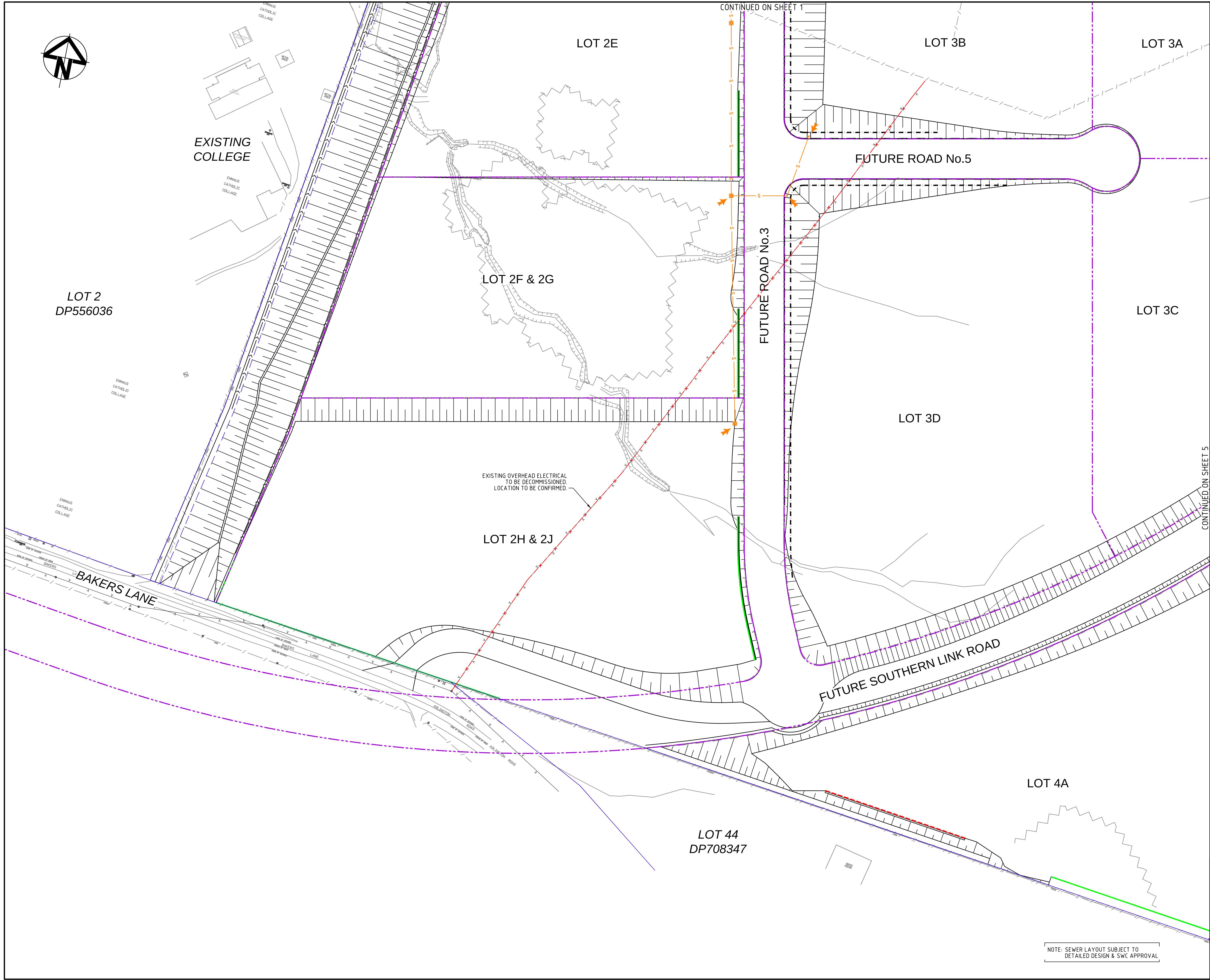
Project

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	A3



KEYPLAN

SERVICES LEGEND

	PROPOSED	EXISTING
HIGH VOLTAGE ELECTRICITY		
LOW VOLTAGE ELECTRICITY		
ELECTRICITY		
ELECTRICITY OVERHEAD		
TELSTRA CONDUITS		
SEWER SERVICE		
WATER SERVICE		
POTABLE WATER SERVICE		
GAS SERVICE		
STORMWATER		
DISUSED SERVICE		
SEWER MANHOLE		
LIGHT POLE		
POWER POLE		
TELSTRA PIT		

Bar Scales

0 20 40 60 80

1 : 1000 @ A1 1 : 2000 @ A3

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

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I.

Status	FOR APPROVAL		A1
NOT TO BE USED FOR CONSTRUCTION			
Scales	1 : 1000	Drawn	GB
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Project

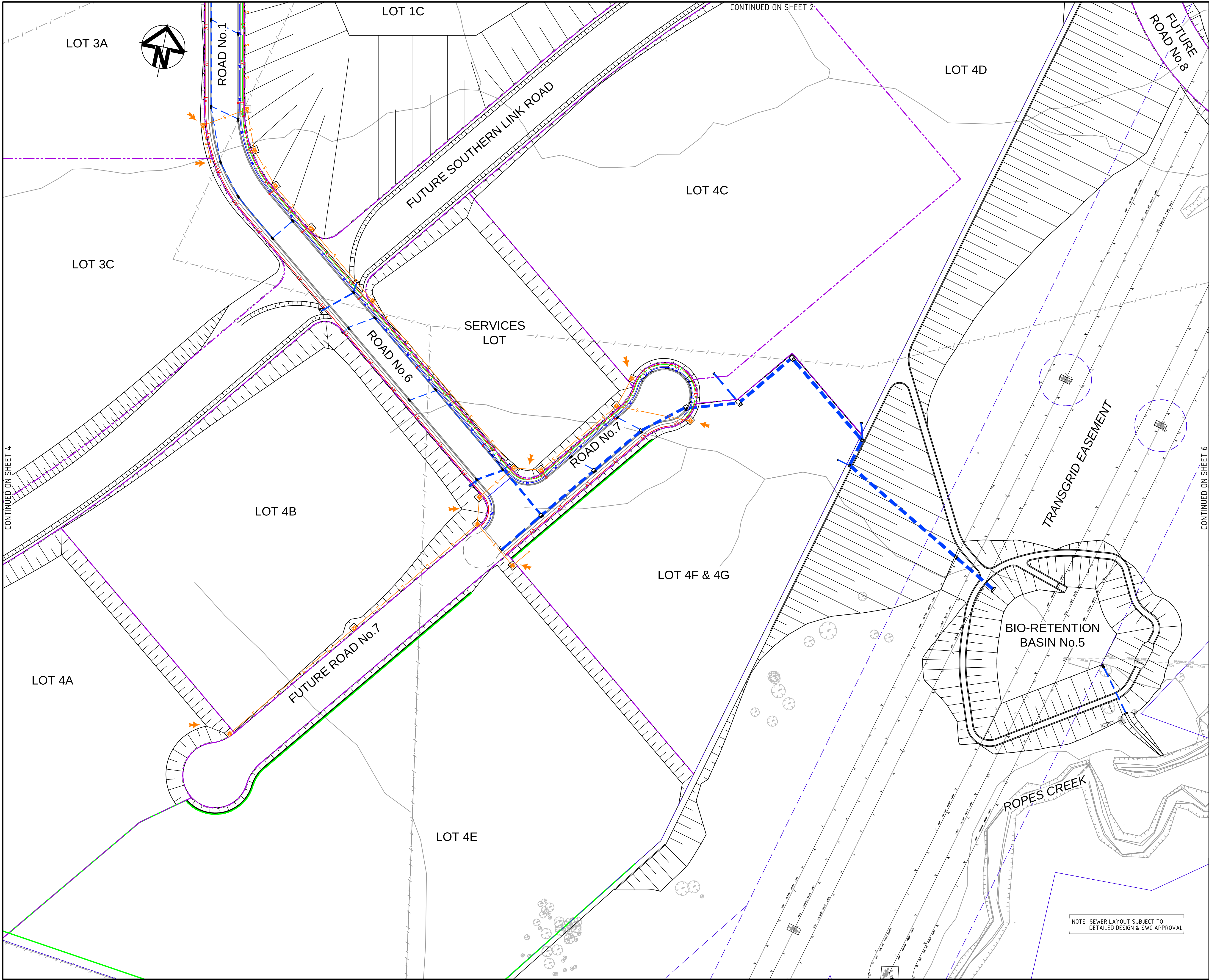
PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title

STAGE 1 SERVICES AND UTILITIES COORDINATION PLAN SHEET 4 OF 6

Drawing No.	Project No.	Issue
15-272-C1083	15-272	A3

NOTE: SEWER LAYOUT SUBJECT TO DETAILED DESIGN & SWC APPROVAL



KEYPLAN

SERVICES LEGEND

	PROPOSED	EXISTING
HIGH VOLTAGE ELECTRICITY	— hv —	— hv —
LOW VOLTAGE ELECTRICITY	— lv —	— lv —
ELECTRICITY	— e —	— e —
ELECTRICITY OVERHEAD	— x —	— x —
TELSTRA CONDUITS	— t —	— t —
SEWER SERVICE	— s —	— s —
WATER SERVICE	— w —	— w —
POTABLE WATER SERVICE	— pw —	— pw —
GAS SERVICE	— g —	— g —
STORMWATER	— sw —	— 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

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

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I.

Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

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

Client

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

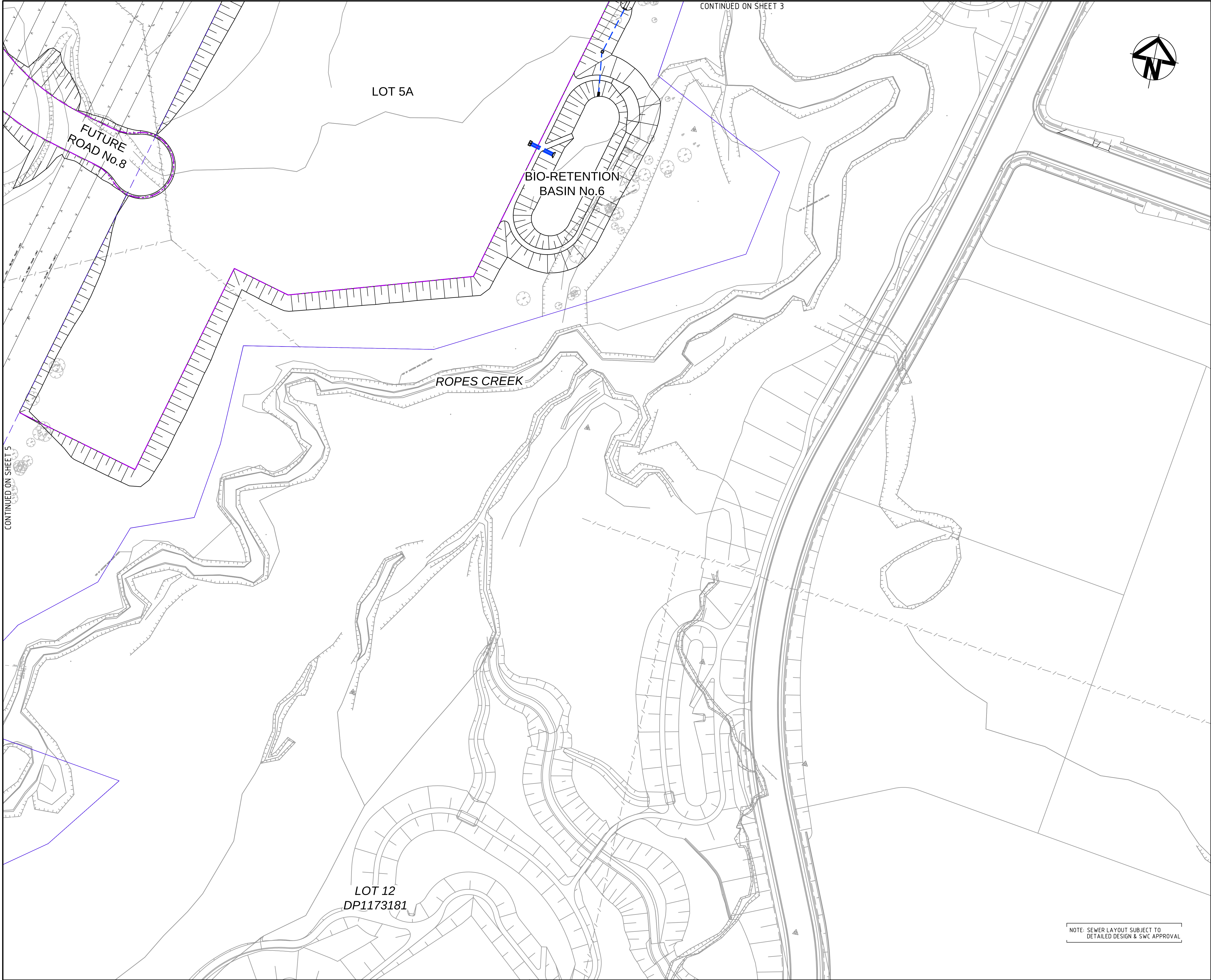
Project

PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title

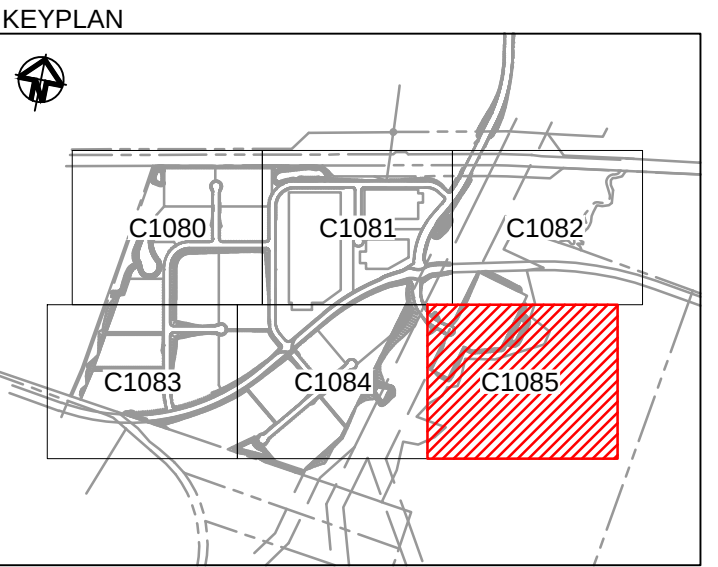
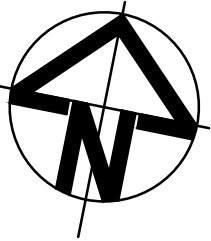
STAGE 1 SERVICES AND UTILITIES COORDINATION PLAN SHEET 5 OF 6

Drawing No.	Project No.	Issue
15-272-C1084	15-272	A3

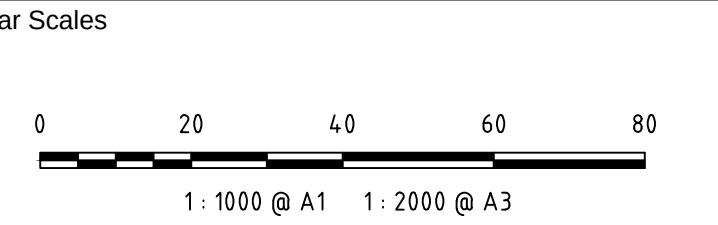


CONTINUED ON SHEET 3

CONTINUED ON SHEET 5



SERVICES LEGEND	
PROPOSED	EXISTING
HIGH VOLTAGE ELECTRICITY	— hv —
LOW VOLTAGE ELECTRICITY	— lv —
ELECTRICITY	— e —
ELECTRICITY OVERHEAD	— e —
TELSTRA CONDUITS	— t —
SEWER SERVICE	— s —
WATER SERVICE	— w —
POTABLE WATER SERVICE	— pw —
GAS SERVICE	— g —
STORMWATER	— sw —
DISUSED SERVICE	— x —
SEWER MANHOLE	○
LIGHT POLE	⊗
POWER POLE	■
TELSTRA PIT	■



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

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

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



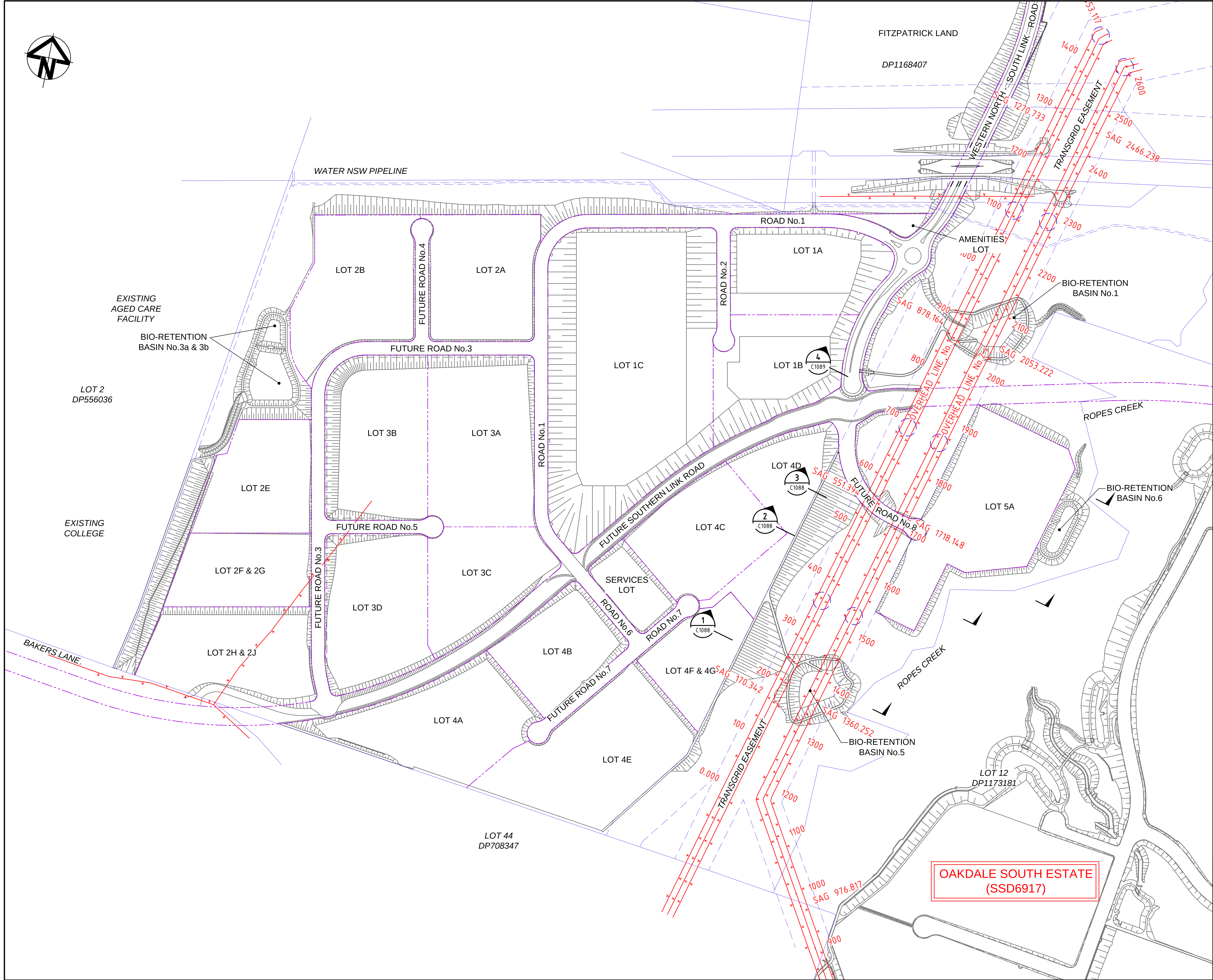
Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

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	A3

NOTE: SEWER LAYOUT SUBJECT TO DETAILED DESIGN & SWC APPROVAL



LEGEND

EXISTING ELECTRICITY OVERHEAD

Bar Scales

0 50 100 150 200 250

1 : 3000 @ A1

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

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I.

Status

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

A1

Scales

1 : 3000

15-272-C1086.dwg

Drawn GB

Designed GB

Height Datum

AHD

Checked AM

Grid

MGA

Approved AM

Client

Goodman

Civil Engineers and Project Managers

at&i

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

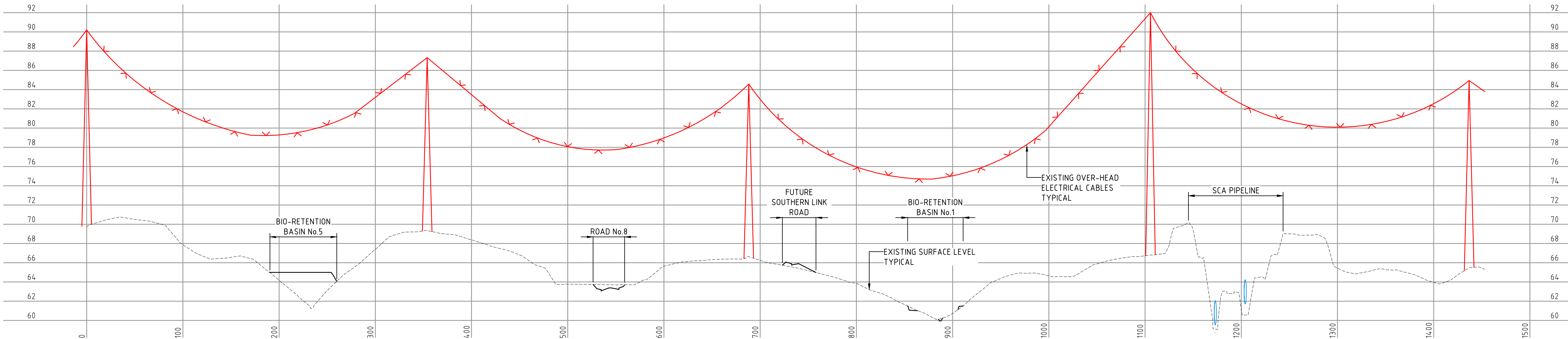
Project

PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

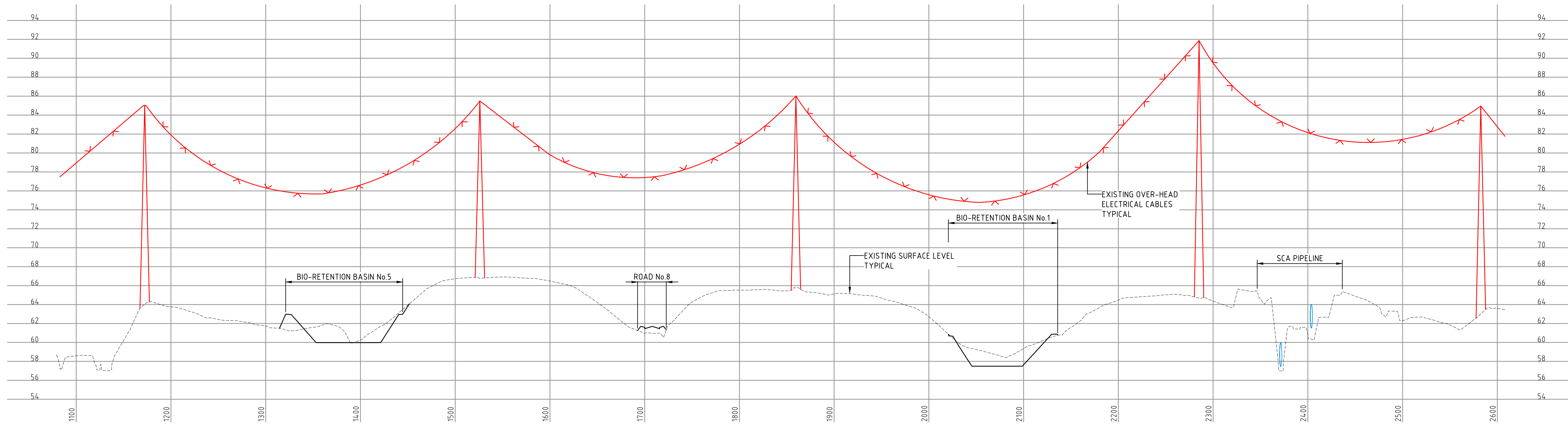
Title

EXISTING TRANSGRID OVERHEAD ELECTRICAL CABLES PLAN

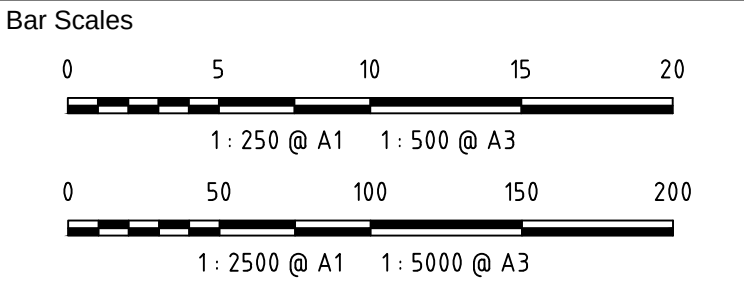
Drawing No.	Project No.	Issue
15-272-C1086	15-272	A3



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



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
-------	-------------	------

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

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



Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

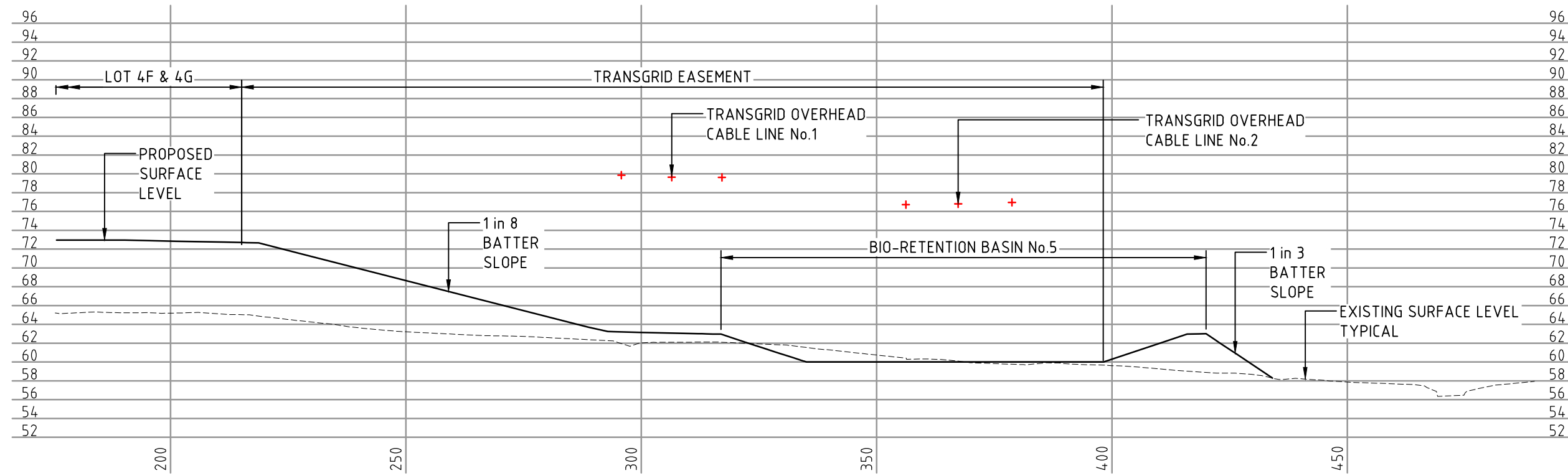
Project

PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title

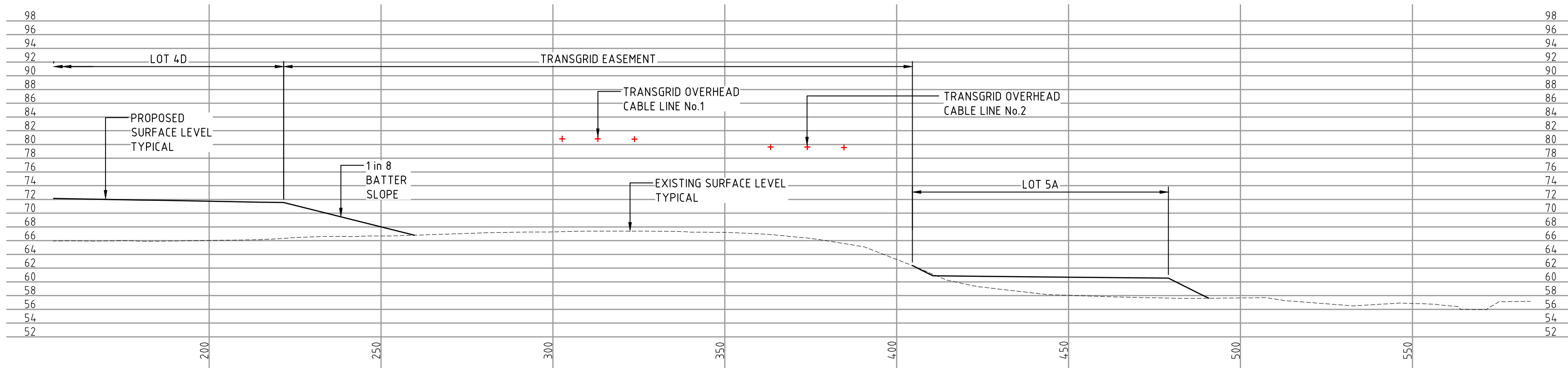
EXISTING TRANSGRID OVERHEAD ELECTRICAL CABLES LONGITUDINAL SECTIONS

Drawing No.	Project No.	Issue
15-272-C1087	15-272	A3



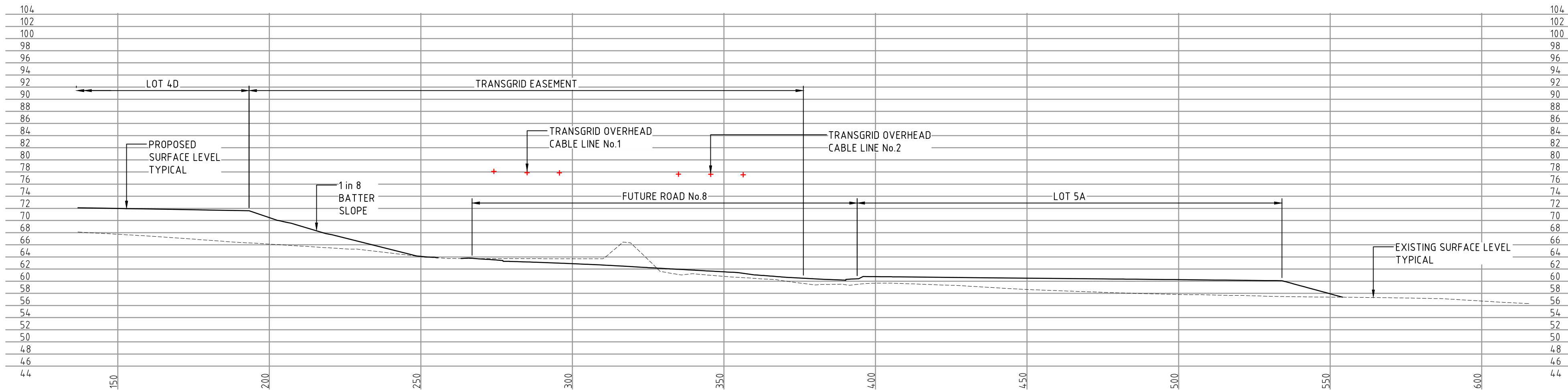
TYPICAL SECTIONAL ALONG
CABLE LINE No.1 AT CH220

SECTION 1
1 : 500 VER
1 : 1000 HOR



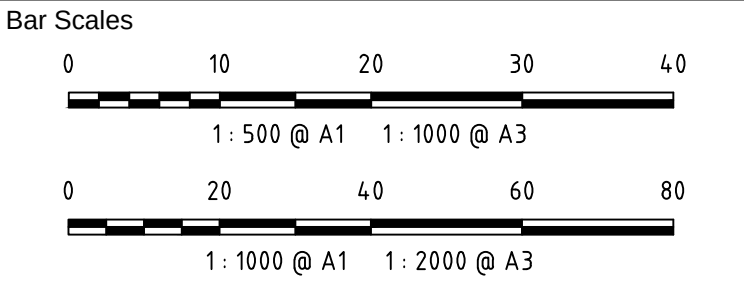
TYPICAL SECTIONAL ALONG
CABLE LINE No.1 AT CH420

SECTION 2
1 : 500 VER
1 : 1000 HOR



TYPICAL SECTIONAL ALONG
CABLE LINE No.1 AT CH540

SECTION 3
1 : 500 VER
1 : 1000 HOR



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
-------	-------------	------

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I.

Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

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



Civil Engineers and Project Managers

at&i

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

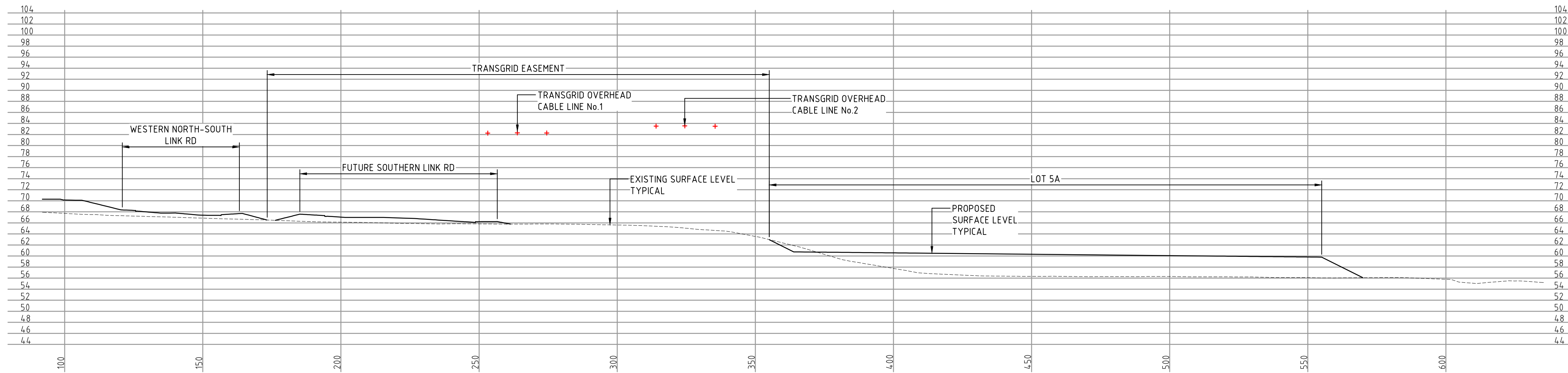
Project

**PROPOSED INDUSTRIAL
DEVELOPMENT
OAKDALE WEST**

Title

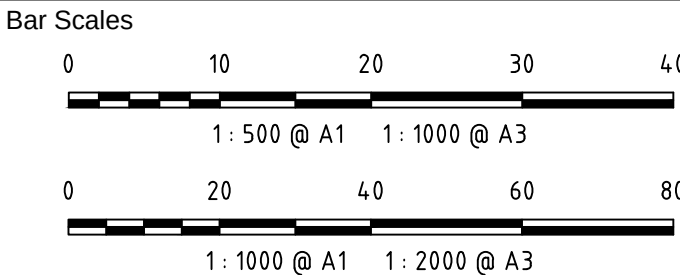
**EXISTING TRANSGRID
OVERHEAD ELECTRICAL
CABLES TYPICAL SECTIONS
SHEET 1 OF 2**

Drawing No.	Project No.	Issue
15-272-C1088	15-272	A3



TYPICAL SECTIONAL ALONG
CABLE LINE No.1 AT CH715

SECTION
1 : 500 VER
1 : 1000 HOR



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
-------	-------------	------

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
--------	---	----

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



Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

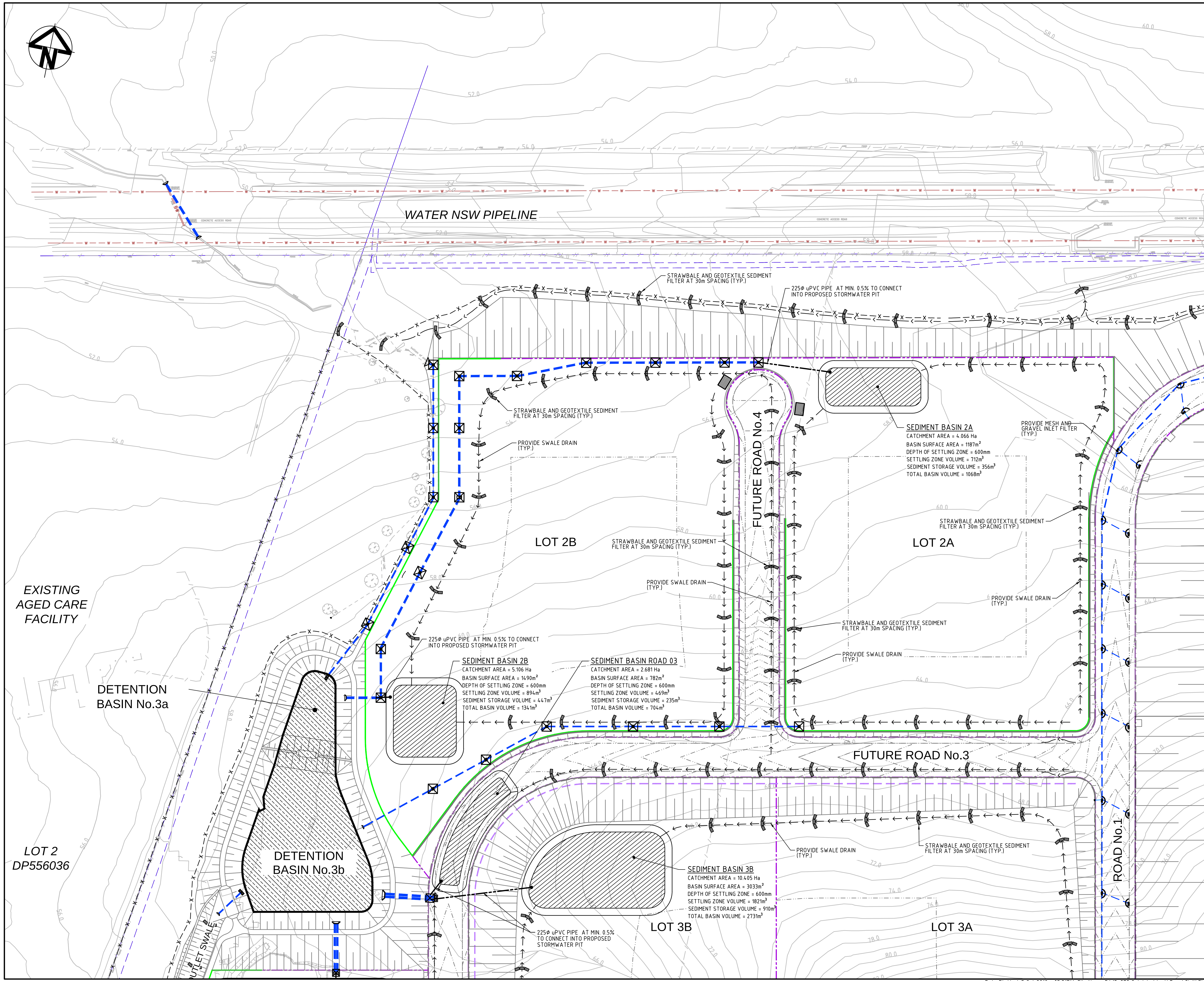
Project

**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	A3



KEYPLAN

LEGEND

- x — SEDIMENT FENCE (SD 6-8)
- > — CATCH DRAIN
- B — BARRIER FENCE
- () — STRAW BALE FILTER (SD 6-7)
- () — MESH AND GRAVEL INLET FILTER (SD 6-11)
- [] — GEOTEXTILE INLET (SD 6-12)
- [] — STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA (SD 6-14)
- [] — PROPOSED SITE ACCESS GATE
- [] — 1m HIGH SEDIMENT BUND COVERED IN FILTER FABRIC

Bar Scales

0 20 40 60 80

1 : 1000 @ A1 1 : 2000 @ A3

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

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I

Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

Scales	1 : 1000	15-272-C1090.dwg
	Drawn	GB
	Designed	GB

Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

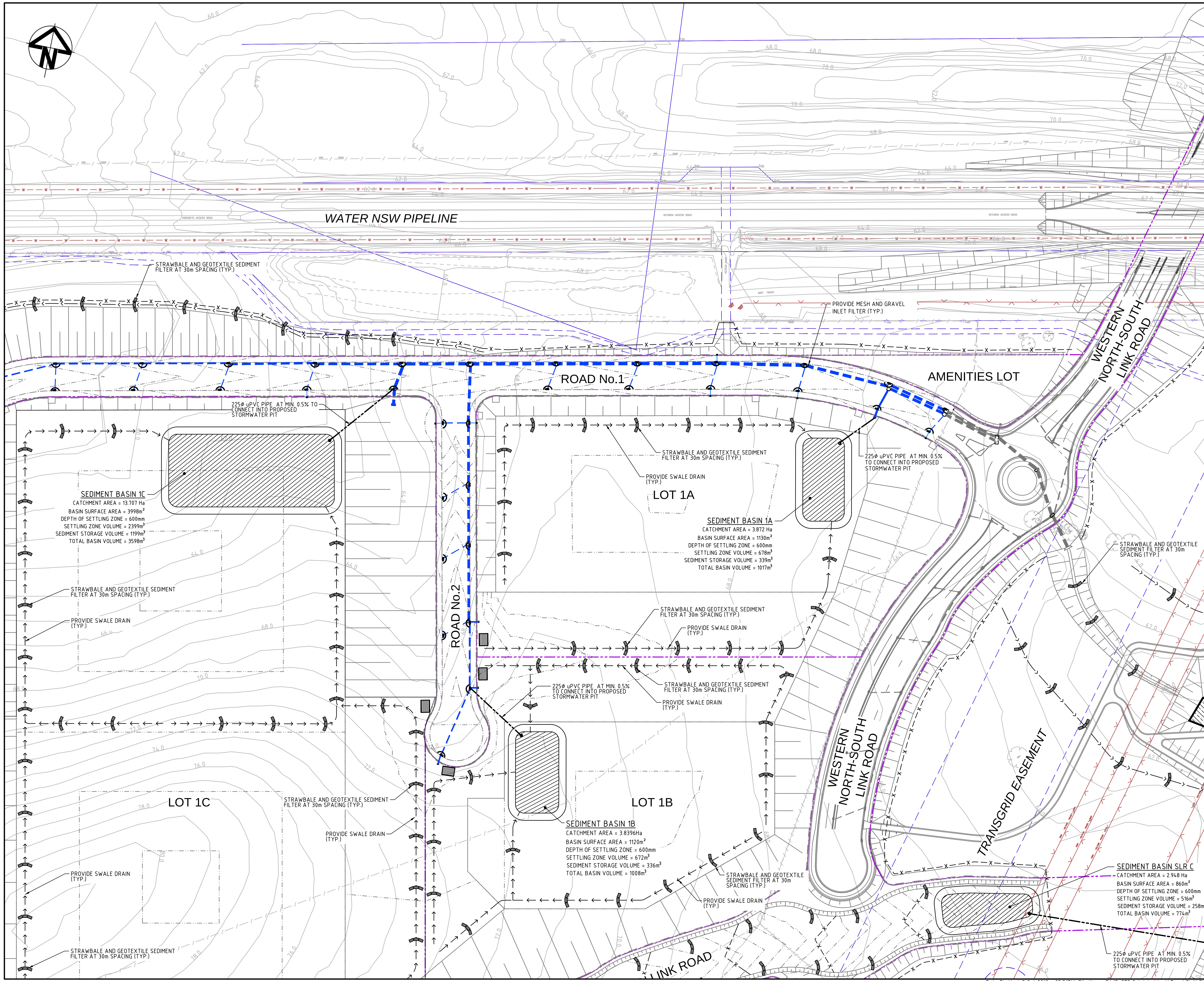
Project

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	A3



KEYPLAN

LEGEND

- X — SEDIMENT FENCE (SD 6-8)
- > CATCH DRAIN
- B — BARRIER FENCE
- STRAW BALE FILTER (SD 6-7)
- MESH AND GRAVEL INLET FILTER (SD 6-11)
- GEOTEXTILE INLET (SD 6-12)
- STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA (SD 6-14)
- PROPOSED SITE ACCESS GATE
- 1m HIGH SEDIMENT BUND COVERED IN FILTER FABRIC

Bar Scales

0 20 40 60 80

1: 1000 @ A1 1: 2000 @ A3

Issue	Description	Date
A3	ISSUED FOR SSD APPROVAL	21-09-18
A2	ISSUED FOR SSD APPROVAL	04-05-18
A1	ISSUED FOR SSD APPROVAL	14-03-17

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I

Status	FOR APPROVAL	A1
Scales	15-272-C1091.dwg	
1 : 1000	Drawn	GB
	Designed	GB
Height Datum	AHD	Checked AM
Grid	MGA	Approved AM

Client

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

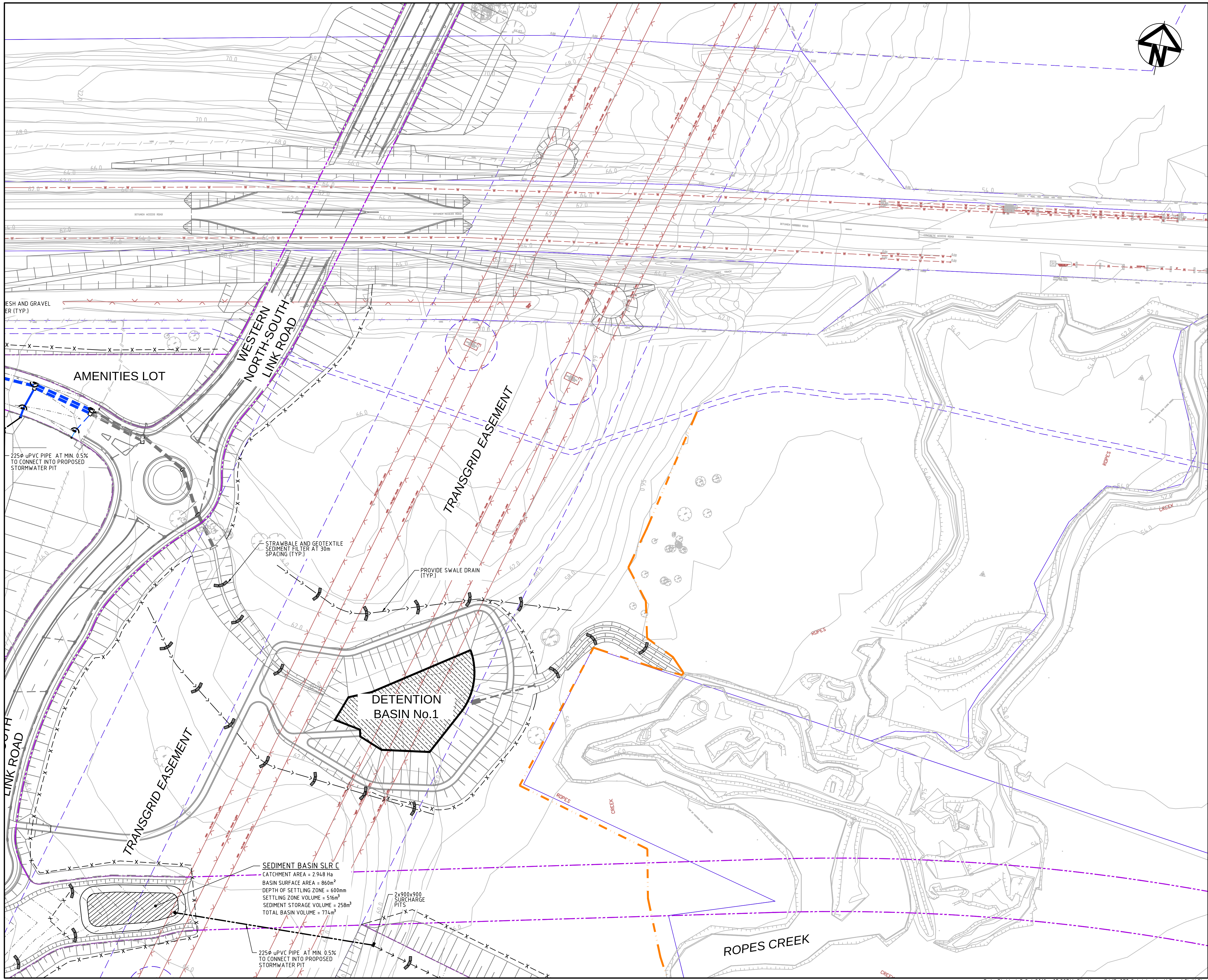
Project

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	A3



KEYPLAN

LEGEND

- X — SEDIMENT FENCE (SD 6-8)
- > — CATCH DRAIN
- B — BARRIER FENCE
- STRAW BALE FILTER (SD 6-7)
- MESH AND GRAVEL INLET FILTER (SD 6-11)
- GEOTEXTILE INLET (SD 12)
- STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA (SD 6-14)
- PROPOSED SITE ACCESS GATE
- 1m HIGH SEDIMENT BUND COVERED IN FILTER FABRIC

Bar Scales

0 20 40 60 80

1 : 1000 @ A1 1 : 2000 @ A3

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
THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I.		

Status	FOR APPROVAL		A1
NOT TO BE USED FOR CONSTRUCTION			

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

Client

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

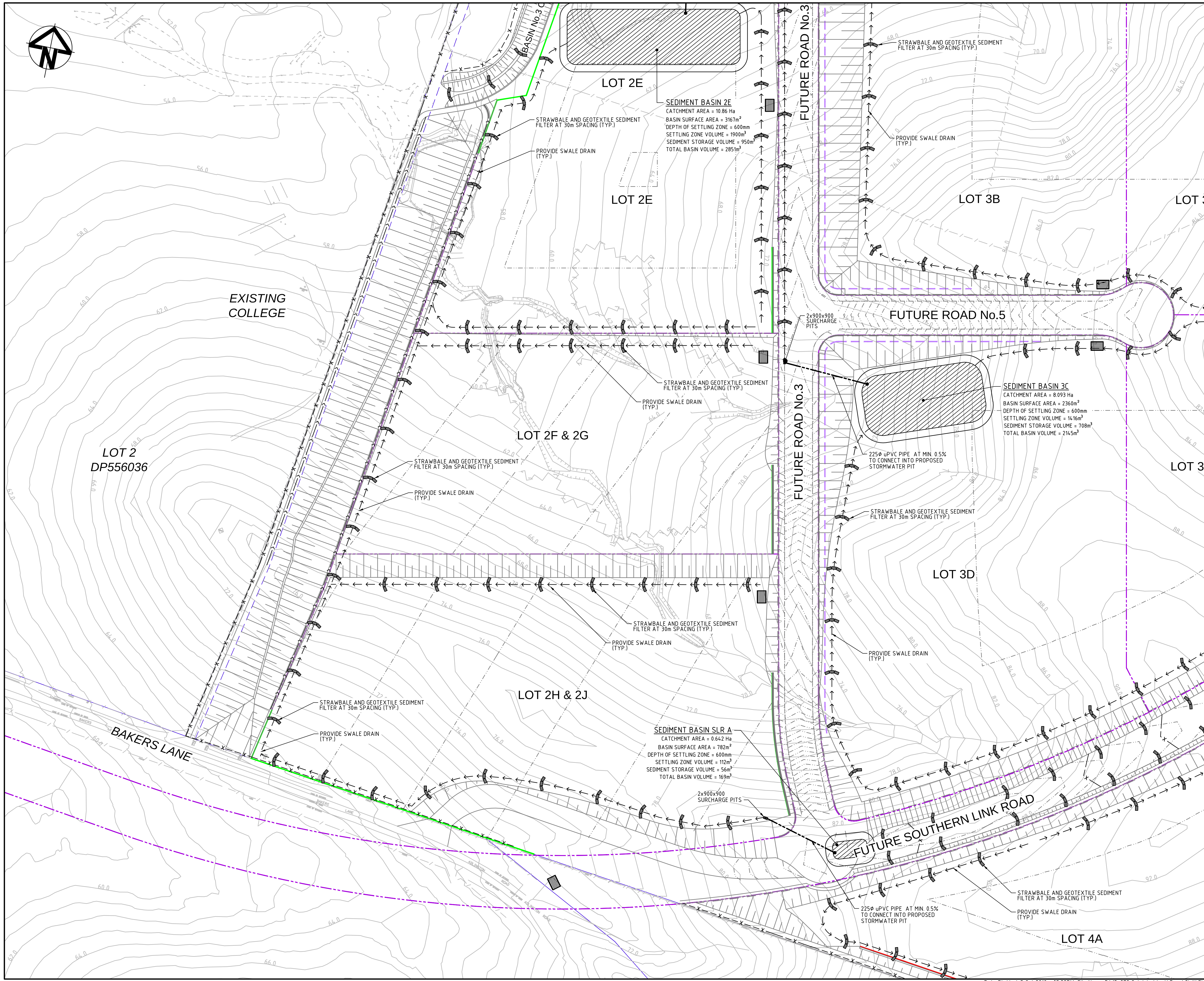
Project

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	A3



KEYPLAN

LEGEND

- x — SEDIMENT FENCE (SD 6-8)
- > — CATCH DRAIN
- B — BARRIER FENCE
- () — STRAW BALE FILTER (SD 6-7)
- () — MESH AND GRAVEL INLET FILTER (SD 6-11)
- [] — GEOTEXTILE INLET (SD 6-12)
- [] — STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA (SD 6-14)
- [] — PROPOSED SITE ACCESS GATE
- [] — 1m HIGH SEDIMENT BUND COVERED IN FILTER FABRIC

Bar Scales

0 20 40 60 80

1 : 1000 @ A1 1 : 2000 @ A3

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

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I

Status	FOR APPROVAL		A1
NOT TO BE USED FOR CONSTRUCTION			
Scales	15-272-C1093.dwg		
1 : 1000	Drawn	GB	
	Designed	GB	
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

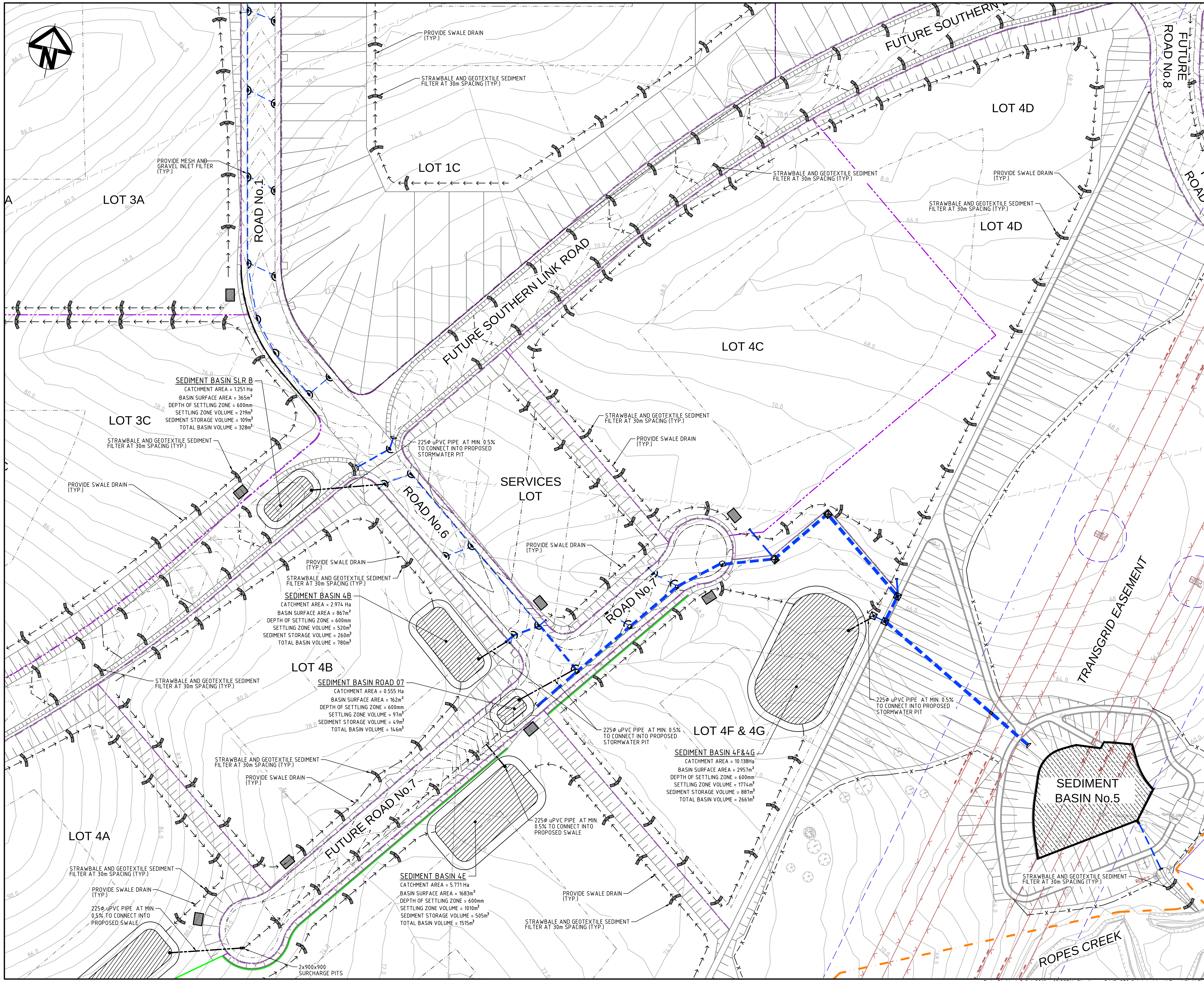
Project

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	A3



KEYPLAN

LEGEND

- x — SEDIMENT FENCE (SD 6-8)
- > CATCH DRAIN
- B — BARRIER FENCE
- Straw Bale Filter (SD 6-7)
- Mesh and Gravel Inlet Filter (SD 6-11)
- Geotextile Inlet (SD 6-12)
- Stabilised Site Access and Truck Wash Down Area (SD 6-14)
- Proposed Site Access Gate
- 1m High Sediment Bund Covered in Filter Fabric

Bar Scales

0 20 40 60 80

1 : 1000 @ A1 1 : 2000 @ A3

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
THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I		

Status	FOR APPROVAL		A1
NOT TO BE USED FOR CONSTRUCTION			

Scales	15-272-C1094.dwg		
1 : 1000	Drawn	GB	
	Designed	GB	
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client

Civil Engineers and Project Managers

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

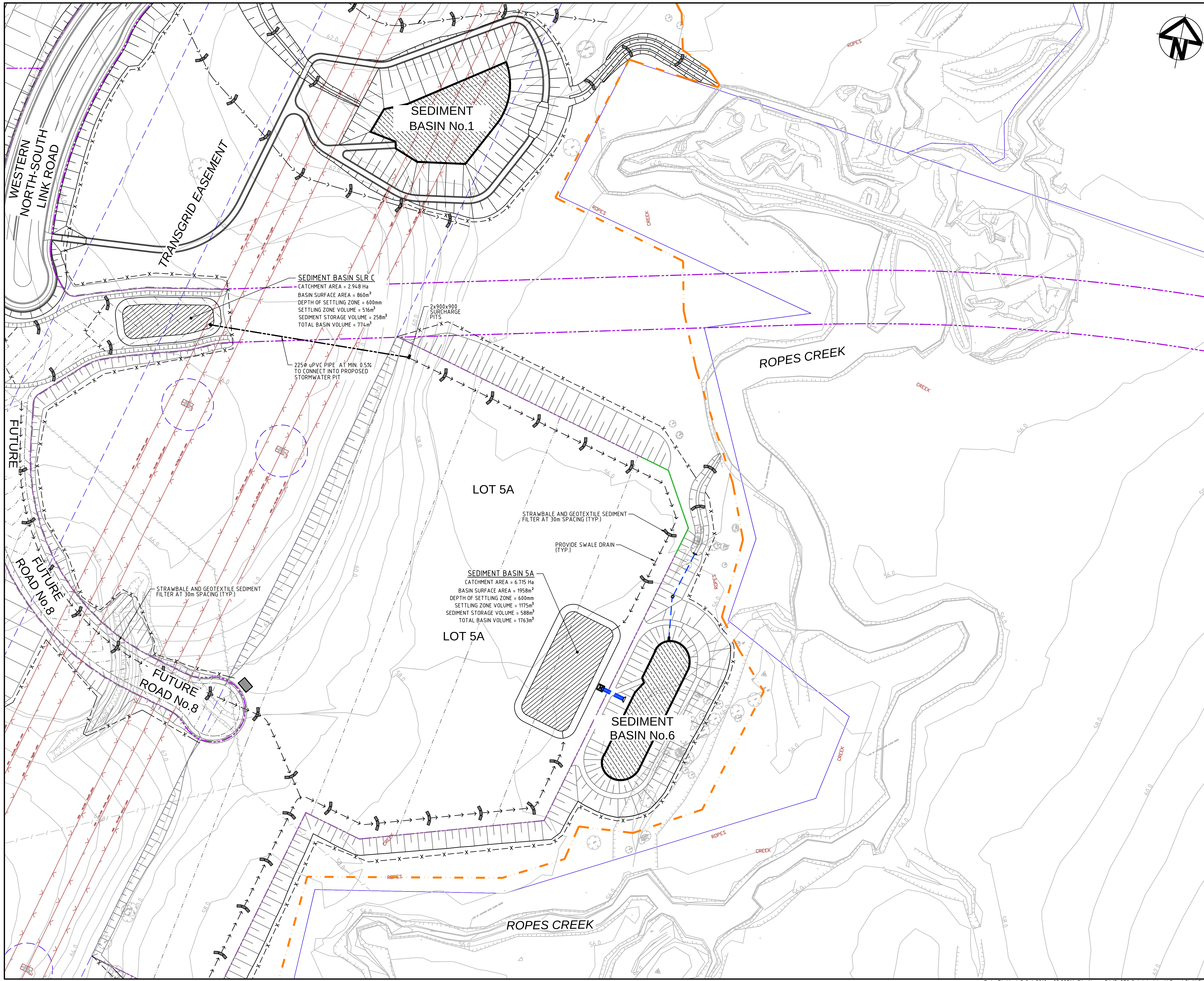
Project

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	A3



KEYPLAN

LEGEND

- x — SEDIMENT FENCE (SD 6-8)
- > — CATCH DRAIN
- B — BARRIER FENCE
- STRAW BALE FILTER (SD 6-7)
- MESH AND GRAVEL INLET FILTER (SD 6-11)
- GEOTEXTILE INLET (SD 6-12)
- STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA (SD 6-14)
- PROPOSED SITE ACCESS GATE
- 1m HIGH SEDIMENT BUND COVERED IN FILTER FABRIC

Bar Scales

0 20 40 60 80

1 : 1000 @ A1 1 : 2000 @ A3

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

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I.

Status	FOR APPROVAL		A1
NOT TO BE USED FOR CONSTRUCTION			
Scales	15-272-C1095.dwg		
1 : 1000	Drawn	GB	
	Designed	GB	
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

Client

Civil Engineers and Project Managers

at&i

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

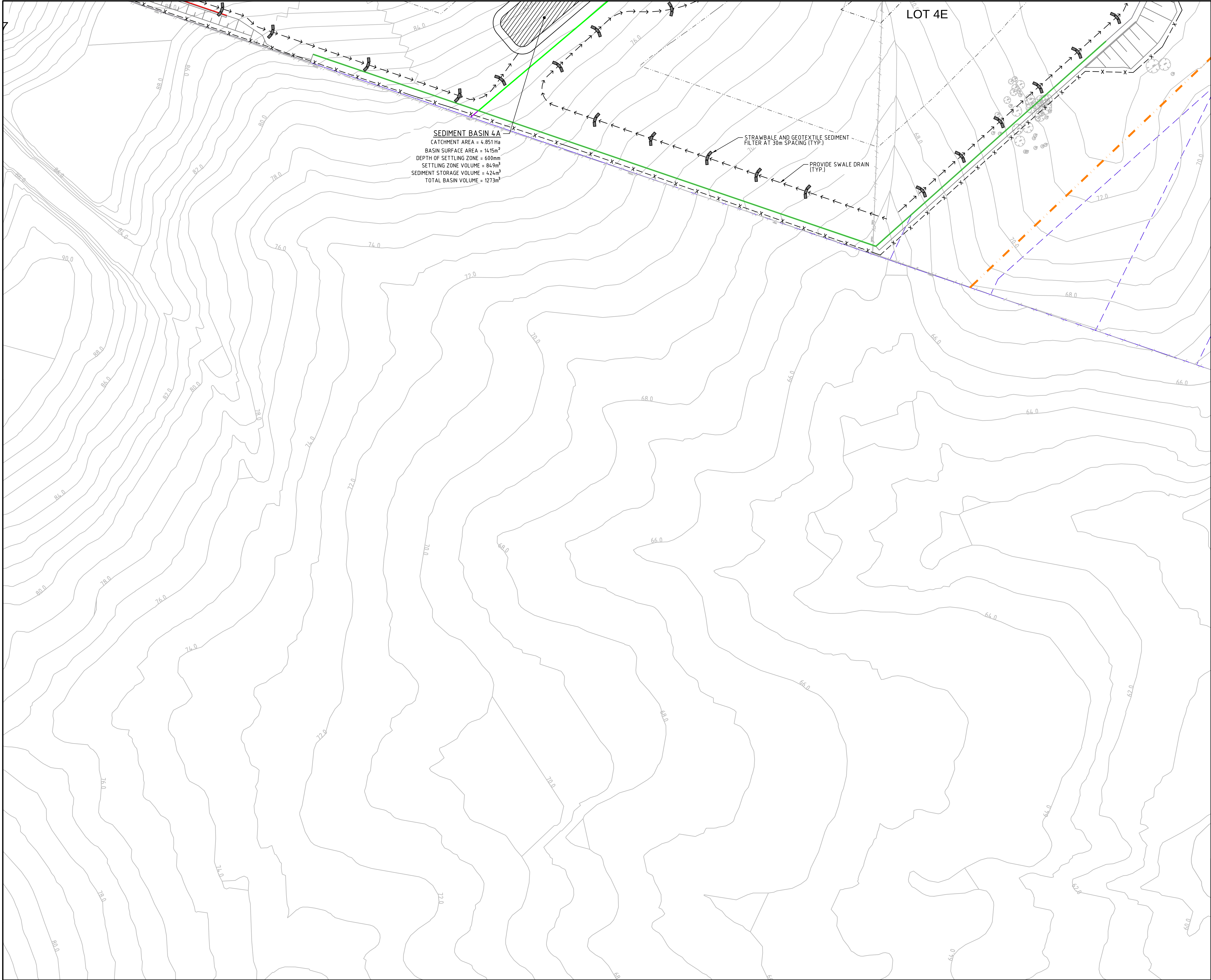
Project

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	A3



KEYPLAN

LEGEND

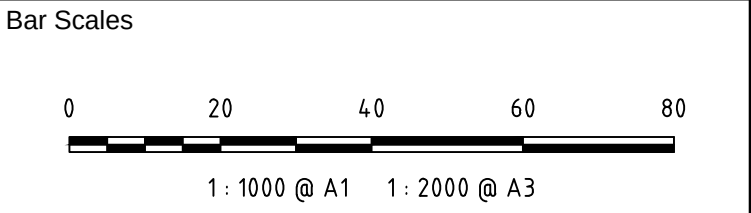
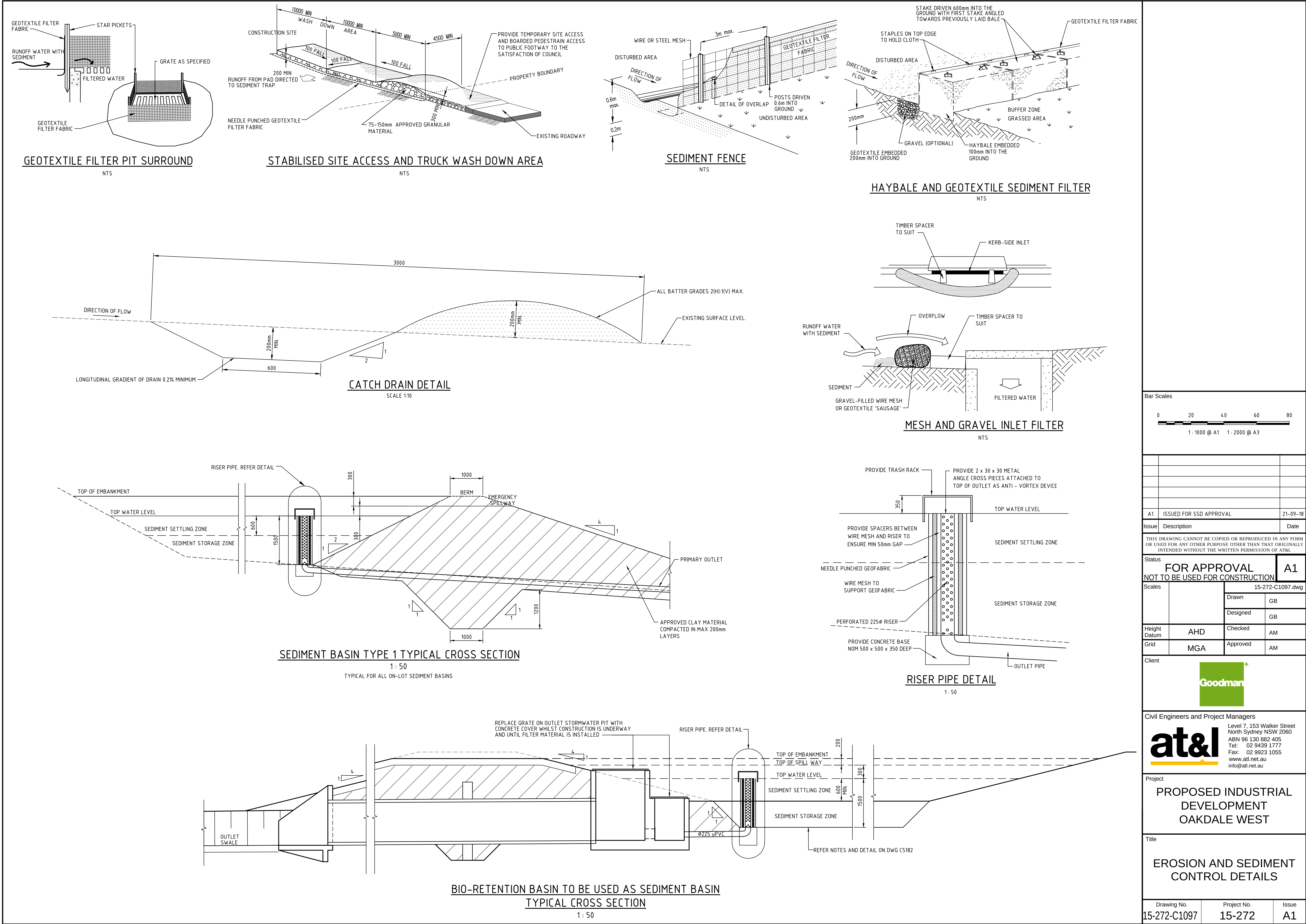
- X — SEDIMENT FENCE (SD 6-8)
- > — CATCH DRAIN
- B — BARRIER FENCE
- [Symbol] — STRAW BALE FILTER (SD 6-7)
- [Symbol] — MESH AND GRAVEL INLET FILTER (SD 6-11)
- [Symbol] — GEOTEXTILE INLET (SD 6-12)
- [Symbol] — STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA (SD 6-14)
- [Symbol] — PROPOSED SITE ACCESS GATE
- [Symbol] — 1m HIGH SEDIMENT BUND COVERED IN FILTER FABRIC

Bar Scales

0 20 40 60 80

1: 1000 @ A1 1: 2000 @ A3

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
THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&I.		
Status	FOR APPROVAL	
	NOT TO BE USED FOR CONSTRUCTION	
	A1	
Scales	15-272-C1096.dwg	
	Drawn	GB
	Designed	GB
Height Datum	AHD	Checked AM
Grid	MGA	Approved AM
Client		
Civil Engineers and Project Managers		
Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au		
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	A3



A1	ISSUED FOR SSD APPROVAL	21-09-18
Issue	Description	Date

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

Scales	15-272-C1097.dwg	
	Drawn	GB
	Designed	GB
Height Datum	AHD	Checked AM
Grid	MGA	Approved AM



Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Project

PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST

Title

EROSION AND SEDIMENT CONTROL DETAILS

Drawing No.	Project No.	Issue
15-272-C1097	15-272	A1