

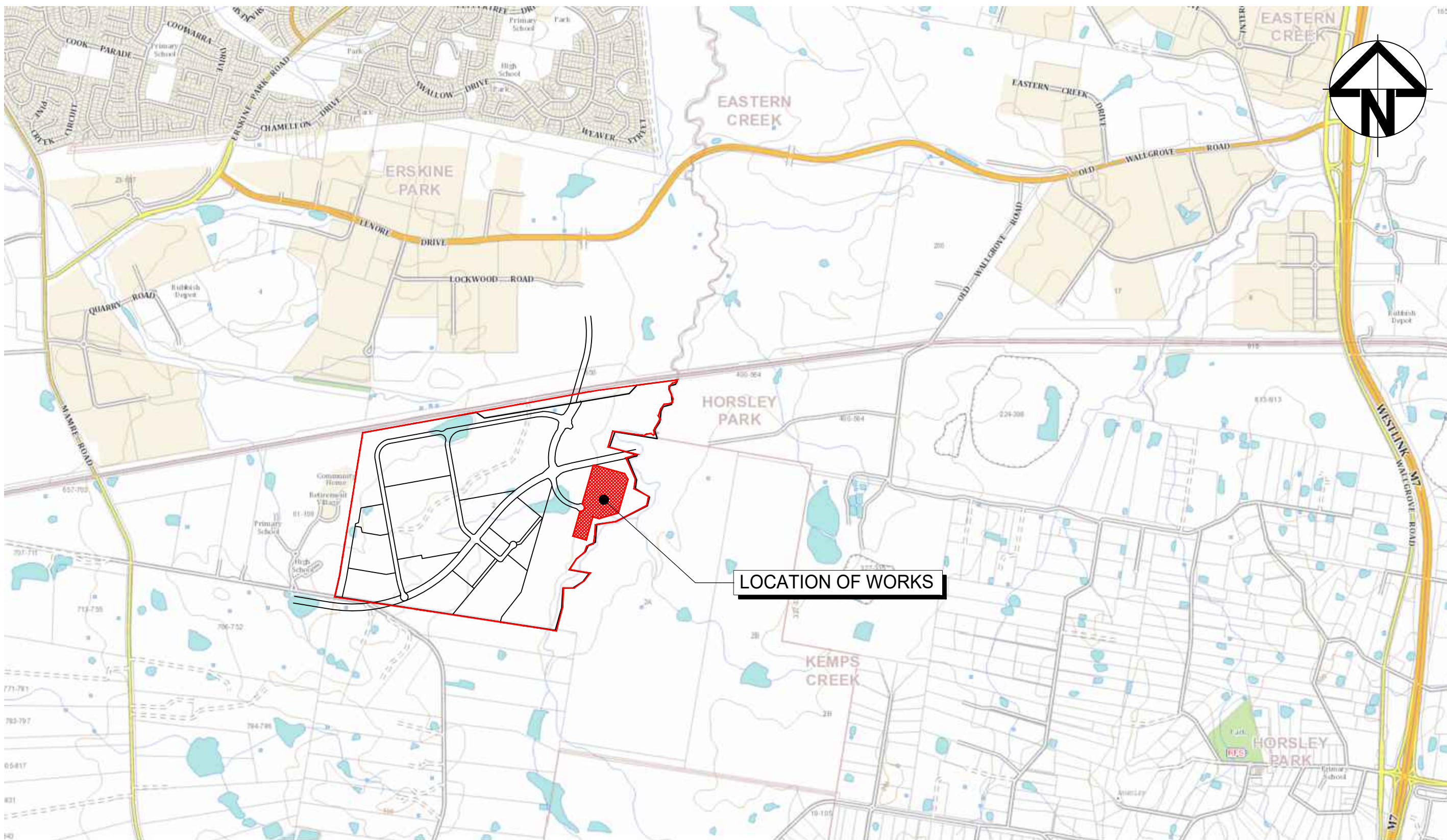
OAKDALE WEST

7700-SERIES LOT 5

CIVIL WORKS PACKAGE

DEVELOPMENT APPLICATION

DRAWING No.	DRAWING TITLE
15-272-C7700	COVER SHEET DRAWING LIST LOCALITY PLAN
15-272-C7701	GENERAL NOTES
15-272-C7705	GENERAL ARRANGEMENT PLAN
15-272-C7710	TYPICAL SECTIONS SHEET 1
15-272-C7711	TYPICAL SECTIONS SHEET 2
15-272-C7712	TYPICAL SECTIONS SHEET 3
15-272-C7715	BULK EARTHWORKS PLAN
15-272-C7720	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 1
15-272-C7721	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 2
15-272-C7722	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 3
15-272-C7723	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 4
15-272-C7724	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 5
15-272-C7730	PAVEMENT PLAN
15-272-C7734	RETAINING WALL GENERAL ARRANGEMENT PLAN
15-272-C7735	RETAINING WALL PROFILES SHEET 1
15-272-C7736	RETAINING WALL PROFILES SHEET 2
15-272-C7740	EROSION AND SEDIMENT CONTROL PLAN
15-272-C7741	EROSION AND SEDIMENT DETAILS



LOCALITY PLAN

NTS

Bar Scales

A	ISSUED FOR DA	04-11-22
P2	ISSUED FOR DA	08-04-22
P1	ISSUED FOR DA	24-03-22
Issue	Description	Date
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	Designed	JC
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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 - LOT 5	
Title	COVER SHEET DRAWING LIST LOCALITY PLAN	
Drawing No.	Project No.	Issue
15-272-C7700	15-272	A

SITEWORKS NOTES

1. ORIGIN OF LEVELS:- REFER SURVEY NOTES.
2. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCIES TO BE REPORTED TO AT & L.
3. MAKE SMOOTH CONNECTION WITH EXISTING WORKS.
4. ALL TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO THE SAME DENSITY AS THE ADJACENT MATERIAL.
5. ALL SERVICE TRENCHES UNDER VEHICULAR PAVEMENTS SHALL BE BACKFILLED WITH SAND TO 300mm ABOVE PIPE. WHERE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH TO UNDERSIDE OF PAVEMENT WITH SAND OR APPROVED GRANULAR MATERIAL. COMPACTED IN 150mm LAYERS TO MINIMUM 98% MODIFIED MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. (OR A DENSITY INDEX OF NOT LESS THAN 75)
6. PROVIDE 10mm WIDE EXPANSION JOINTS BETWEEN BUILDINGS AND ALL CONCRETE OR UNIT PAVEMENTS.
7. ASPHALTIC CONCRETE SHALL CONFORM TO R.M.S SPECIFICATION R116.
8. ALL BASECOURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH R.M.S FORM 3051 (UNBOUND), R.M.S FORM 3052 (BOUND) COMPACTED TO MINIMUM 98% MODIFIED DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 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

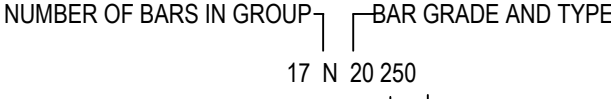
CONCRETE NOTES

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 Fc MPa AT 28 DAYS	SPECIFIED SLUMP	NOMINAL AGG. SIZE
VEHICULAR BASE	32	60	20
KERBS, PATHS, AND PITS	25	80	20

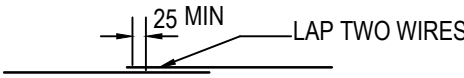
- CEMENT TYPE SHALL BE (ACSE SPECIFICATION) TYPE SL
- PROJECT CONTROL TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH AS 1373.

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



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

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

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

FINISHED SURFACE LEVELS

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

STORMWATER DRAINAGE NOTES

1. STORMWATER DESIGN CRITERIA:
(A) AVERAGE RECURRENCE INTERVAL:
1:10 YEARS MAJOR STORM (OVERLAND FLOW)
1:20 YEARS MINOR STORM (PIPED NETWORK)
(B) RAINFALL INTENSITIES:
TIME OF CONCENTRATION: 5 MINUTES
1:100 YEARS= 219 mm/hr
1:20 YEARS= 167 mm/hr
(C) RUNOFF COEFFICIENTS:
ROOF AREAS: C 100 =1.0
EXTERNAL PAVEMENTS: C 100 =1.0
2. PIPES 300 DIA. AND LARGER TO BE REINFORCED CONCRETE CLASS '3' APPROVED SPIGOT AND SOCKET WITH RUBBER RING JOINTS. U.N.O. ALL ROAD CROSSINGS TO BE CLASS '4" 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.
5. ALL STORMWATER DRAINAGE LINES UNDER PROPOSED BUILDING SLABS TO BE uPVC PRESSURE PIPE GRADE 6. ENSURE ALL VERTICALS AND DOWNPIPES ARE uPVC PRESSURE PIPE, GRADE 6 FOR A MIN OF 3.0m IN HEIGHT.
6. PIPES TO BE INSTALLED TO TYPE HS1 SUPPORT IN ACCORDANCE WITH AS 3725 (2007) IN ALL CASES BACKFILL TRENCH WITH SAND TO 300mm ABOVE PIPE. WHERE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH TO UNDERSIDE OF PAVEMENT WITH SAND OR APPROVED GRANULAR MATERIAL COMPACTED IN 150mm LAYERS TO MINIMUM 98% STANDARD MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. (OR A DENSITY INDEX OF NOT LESS THAN 75)
7. ALL INTERNAL WORKS WITHIN PROPERTY BOUNDARIES ARE TO COMPLY WITH THE REQUIREMENTS OF AS 3500 3.1 (1998) AND AS/NZS 3500 3.2 (1998).
8. PRECAST PITS MAY BE USED EXTERNAL TO THE BUILDING SUBJECT TO APPROVAL BY AT & L.
9. ENLARGERS, CONNECTIONS AND JUNCTIONS TO BE PREFABRICATED FITTINGS WHERE PIPES ARE LESS THAN 300 DIA.
10. WHERE SUBSOIL DRAINS PASS UNDER FLOOR SLABS AND VEHICULAR PAVEMENTS, UNSLOTTED uPVC SEWER GRADE PIPE IS TO BE USED.
11. CARE IS TO BE TAKEN WITH LEVELS OF STORMWATER LINES. GRADES SHOWN ARE NOT TO BE REDUCED WITHOUT APPROVAL.
12. GRATES AND COVERS SHALL CONFORM TO AS 3996.
13. AT ALL TIMES DURING CONSTRUCTION OF STORMWATER PITS, ADEQUATE SAFETY PROCEDURES SHALL BE TAKEN TO ENSURE AGAINST THE POSSIBILITY OF PERSONNEL FALLING DOWN PITS.
14. ALL EXISTING STORMWATER DRAINAGE LINES AND PITS THAT ARE TO REMAIN ARE TO BE INSPECTED AND CLEANED. DURING THIS PROCESS ANY PART OF THE STORMWATER DRAINAGE SYSTEM THAT WARRANTS REPAIR SHALL BE REPORTED TO THE SUPERINTENDENT/ENGINEER FOR FURTHER DIRECTIONS.

EROSION AND SEDIMENT CONTROL NOTES

GENERAL INSTRUCTIONS

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

LAND DISTURBANCE

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

EROSION CONTROL

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

SEDIMENT CONTROL

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

OTHER MATTERS

13. ACCEPTABLE RECEPTORS WILL BE PROVIDED FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT WASTE MATERIALS AND LITTER.
14. ANY EXISTING TREES WHICH FORM PART OF THE FINAL LANDSCAPING PLAN WILL BE PROTECTED FROM CONSTRUCTION ACTIVITIES BY:
(A) PROTECTING THEM WITH BARRIER FENCING OR SIMILAR MATERIALS INSTALLED OUTSIDE THE DRIP LINE
(B) ENSURING THAT NOTHING IS NAILED TO THEM
(C) PROHIBITING PAVING, GRADING, SEDIMENT WASH OR PLACING OF STOCKPILES WITHIN THE DRIP LINE EXCEPT UNDER THE FOLLOWING CONDITIONS.
(I) ENCROACHMENT ONLY OCCURS ON ONE SIDE AND NO CLOSER TO THE TRUNK THAN EITHER 1.5 METRES OR HALF THE DISTANCE BETWEEN THE OUTER EDGE OF THE DRIP LINE AND THE TRUNK, WHICH EVER IS THE GREATER
(II) A DRAINAGE SYSTEM THAT ALLOWS AIR AND WATER TO CIRCULATE THROUGH THE ROOT ZONE (E.G. A GRAVEL BED) IS PLACED UNDER ALL FILL LAYERS OF MORE THAN 300 MILLIMETRES DEPTH
(III) CARE IS TAKEN NOT TO CUT ROOTS UNNECESSARILY NOR TO COMPACT THE SOIL AROUND THEM.

STAGING

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

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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

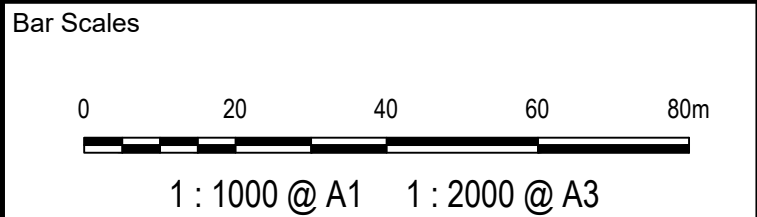
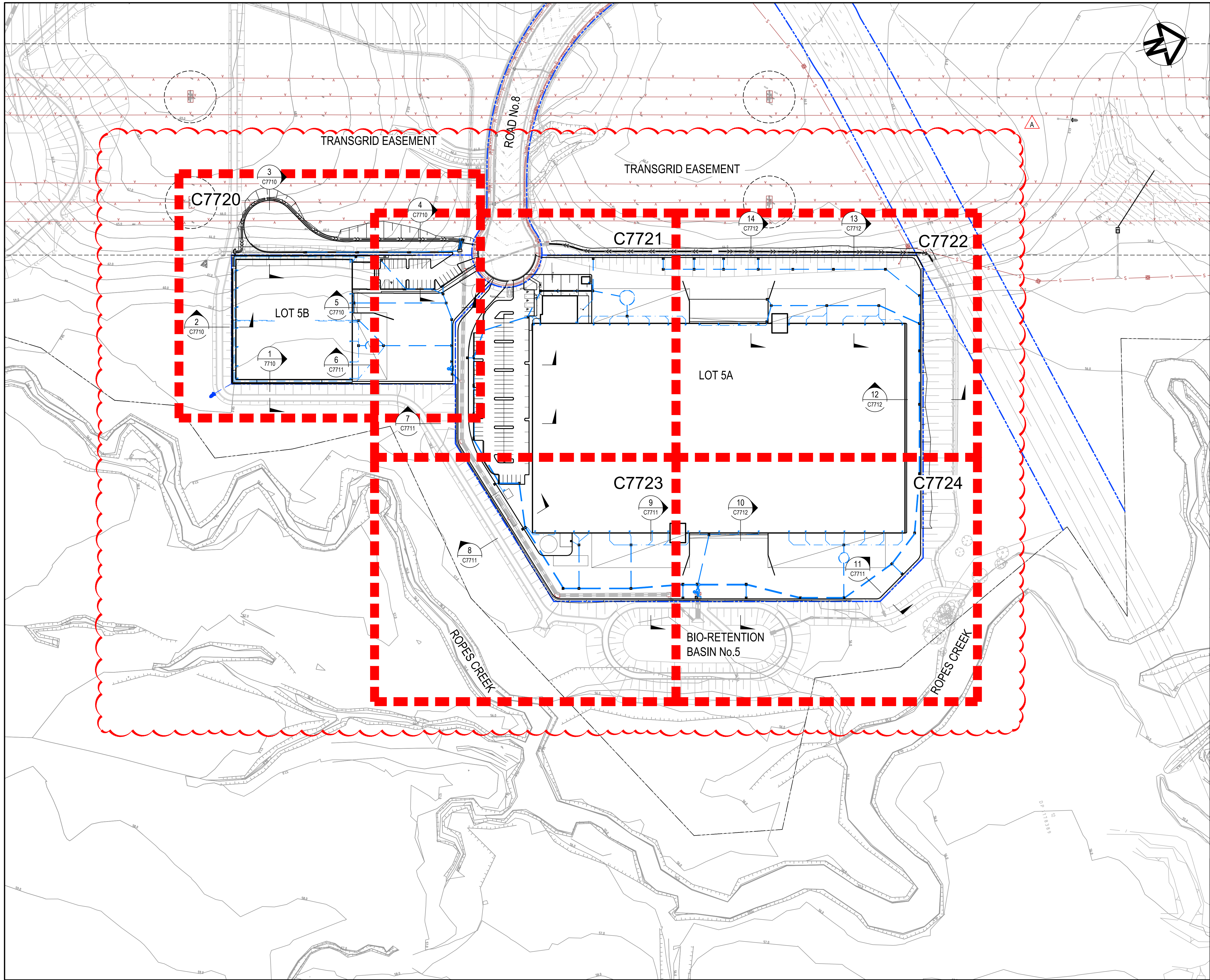
Project

PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST - LOT 5

Title

GENERAL NOTES

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at&l

Level 7, 153 Walker Street
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Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Project

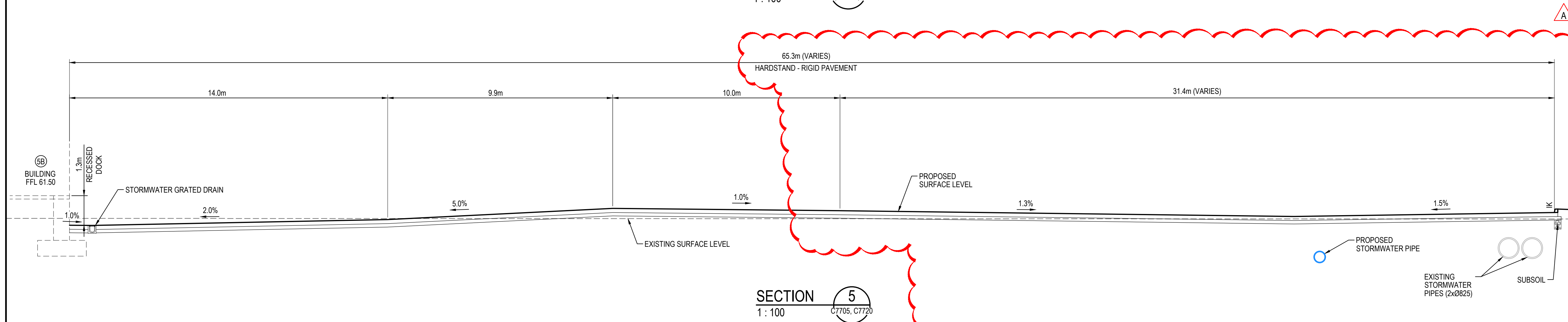
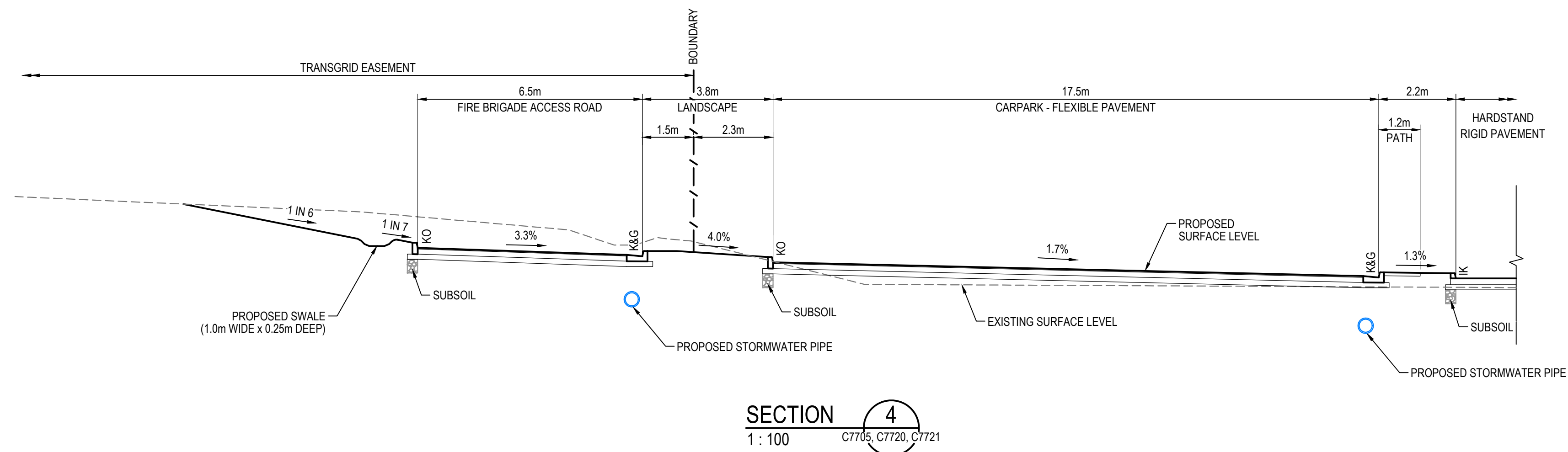
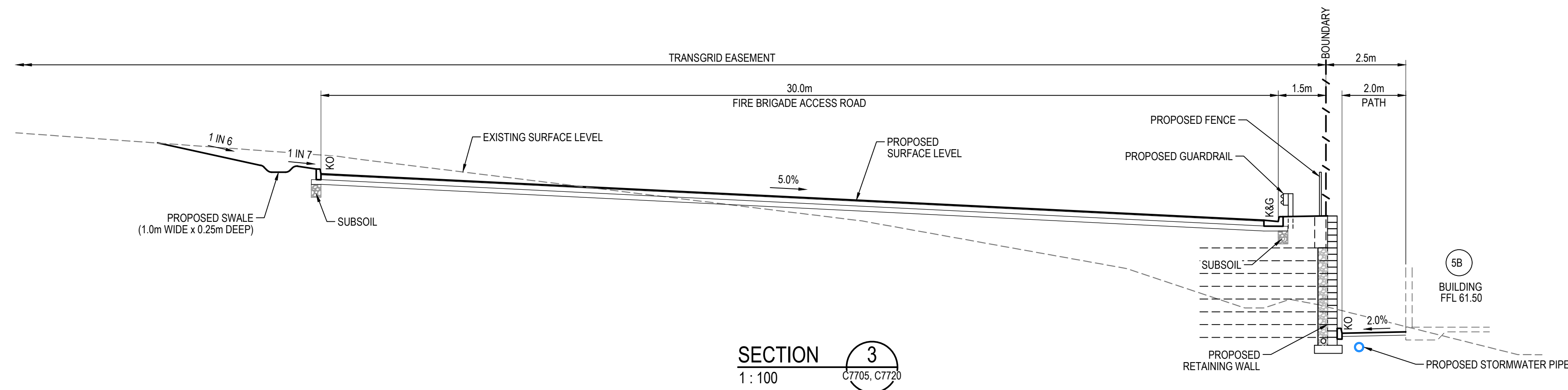
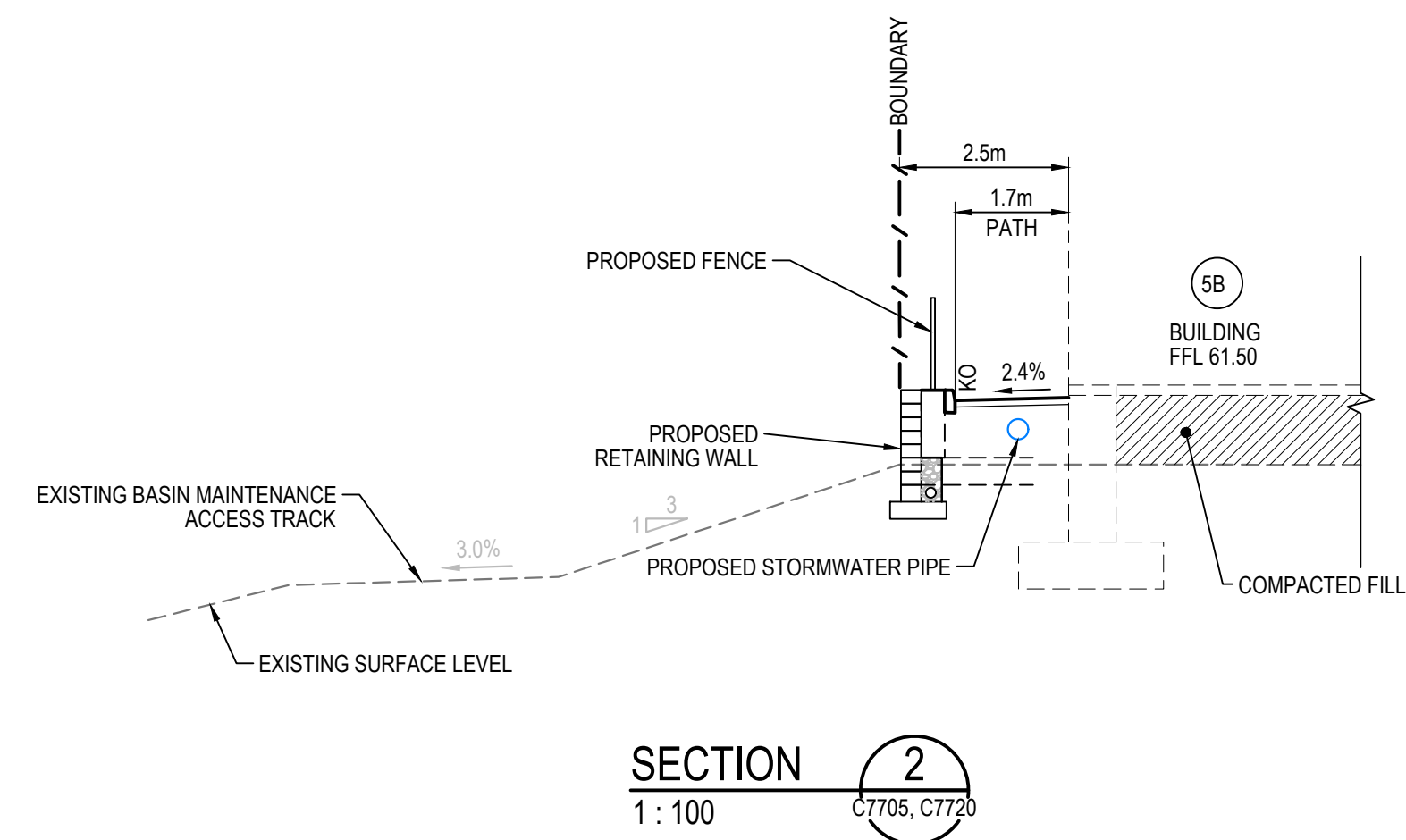
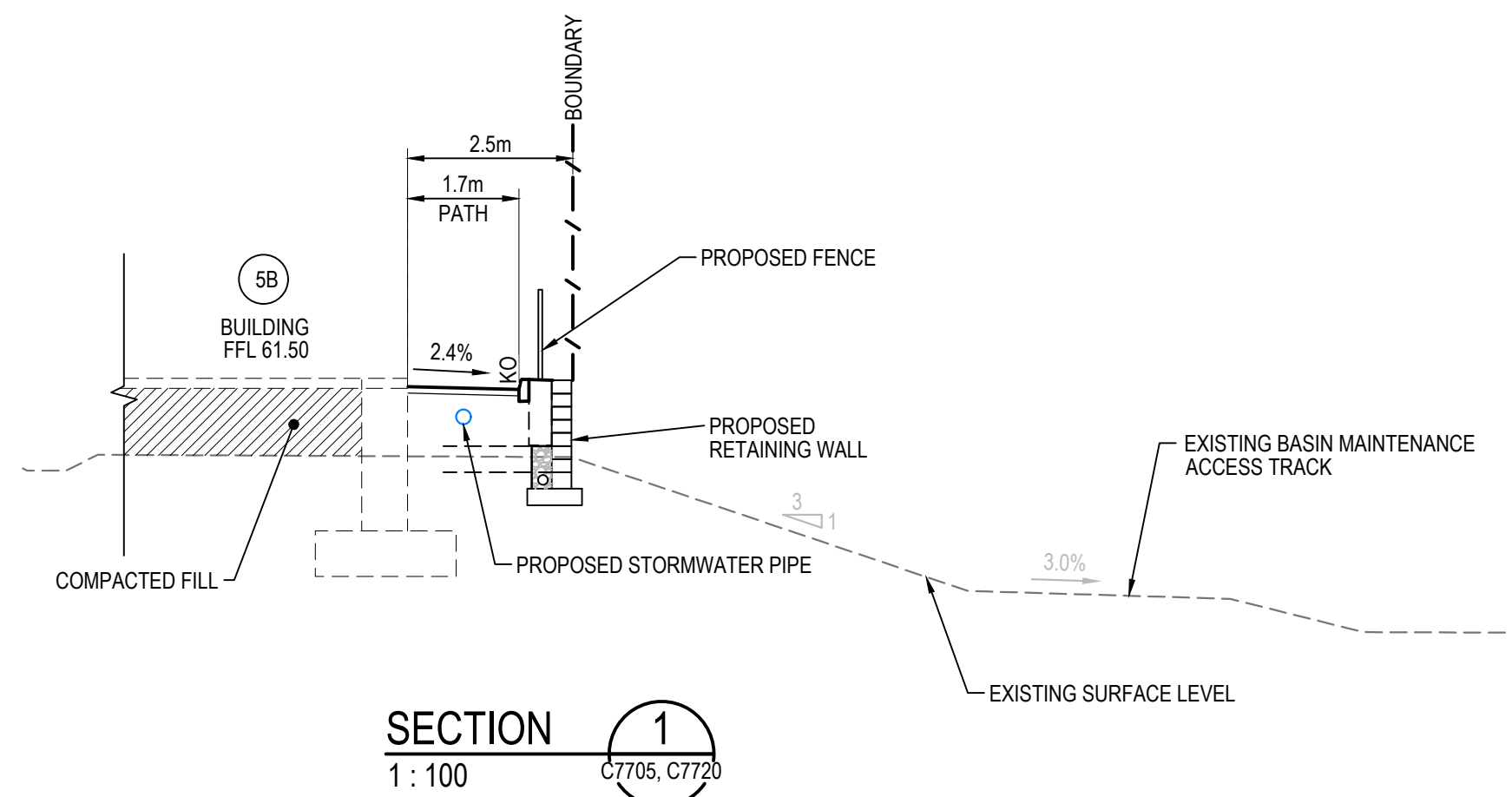
PROPOSED INDUSTRIAL DEVELOPMENT

OAKDALE WEST - LOT 5

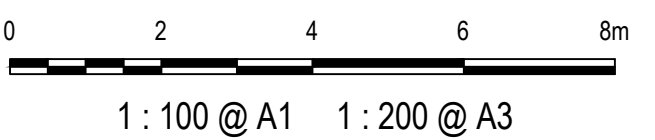
Title

GENERAL ARRANGEMENT PLAN

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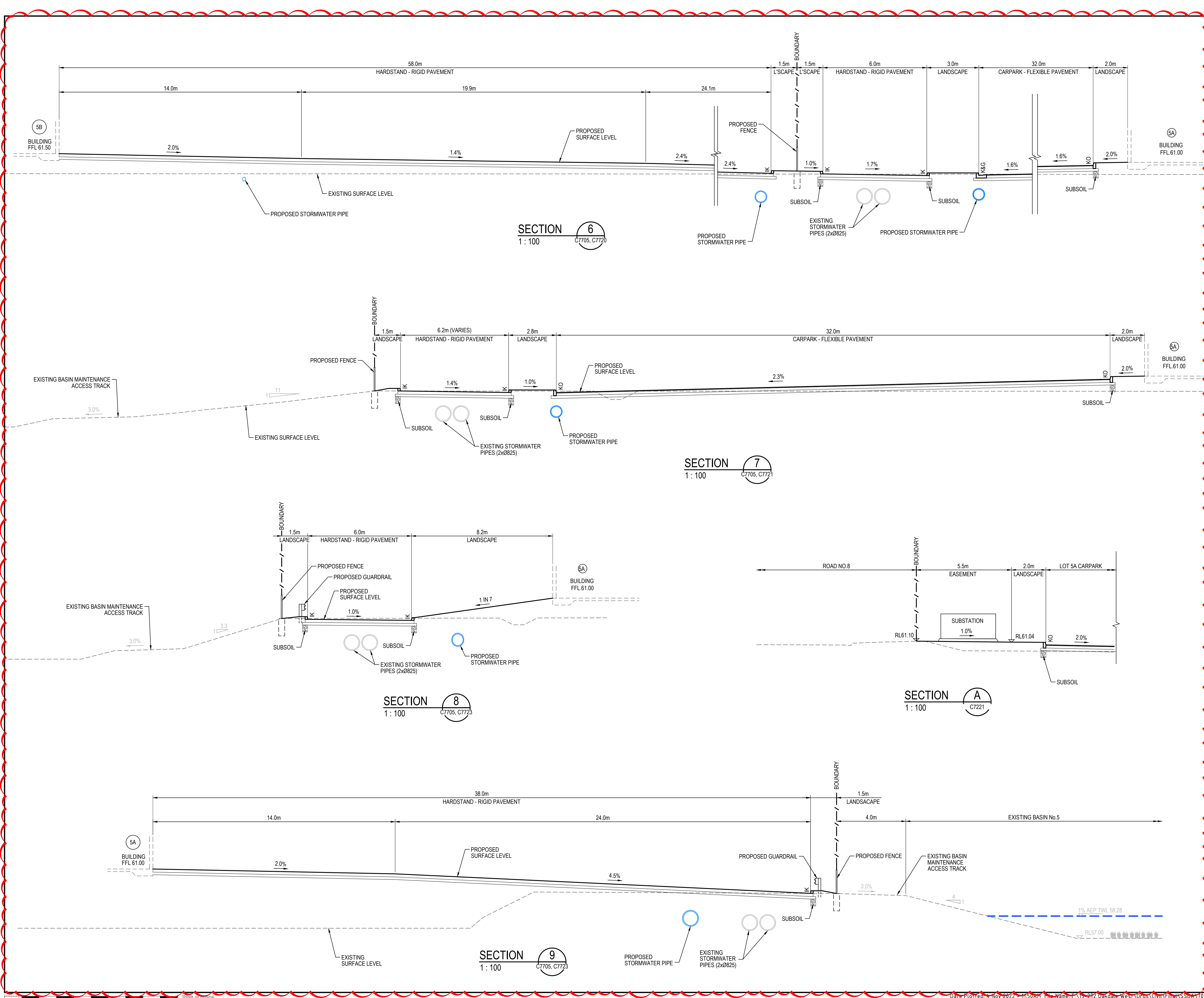


Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Project
PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST - LOT 5

Title
TYPICAL SECTIONS SHEET 1

Drawing No.	Project No.	Issue
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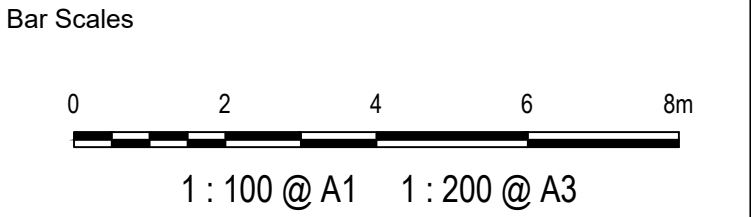
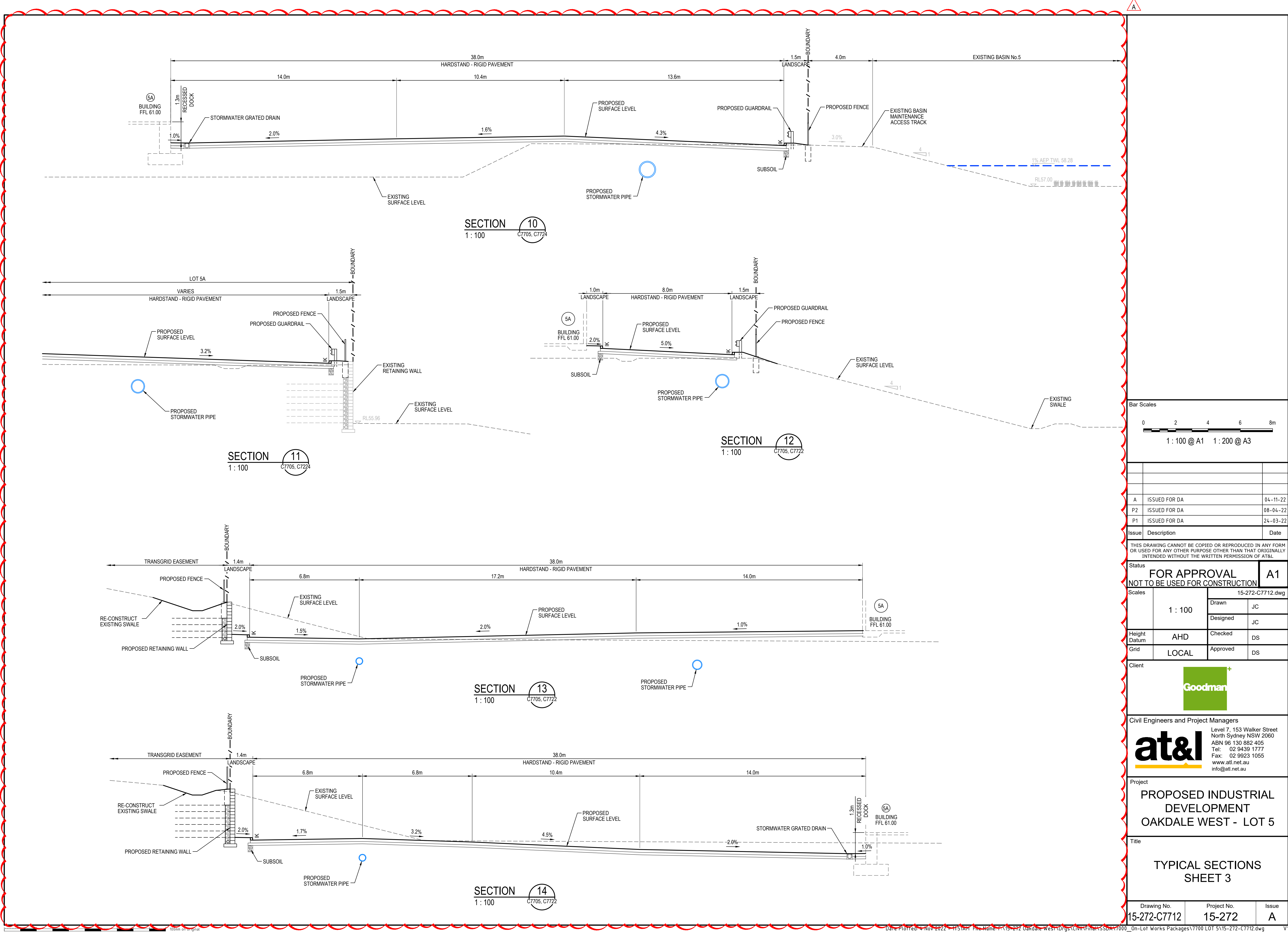


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1 : 100 @ A1 1 : 200 @ A3

A	ISSUED FOR DA	04-11-22
P2	ISSUED FOR DA	08-04-22
P1	ISSUED FOR DA	24-03-22
Issue	Description	Date
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Status	FOR APPROVALA1	
Scales	15-272-C7711.dwg	
1 : 100	Drawn	JC
	Designed	JC
Height Datum	AHD	Checked DS
Grid	LOCAL	Approved DS
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 - LOT 5	
Title	TYPICAL SECTIONS SHEET 2	
Drawing No.	Project No.	Issue
15-272-C7711	15-272	A



A	ISSUED FOR DA	04-11-22
P2	ISSUED FOR DA	08-04-22
P1	ISSUED FOR DA	24-03-22

Issue	Description	Date
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Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

Scales	1 : 100	15-272-C7712.dwg	
		Drawn	JC
Height Datum	AHD	Designed	JC
		Checked	DS
Grid	LOCAL	Approved	DS



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at&l

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North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
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info@atl.net.au

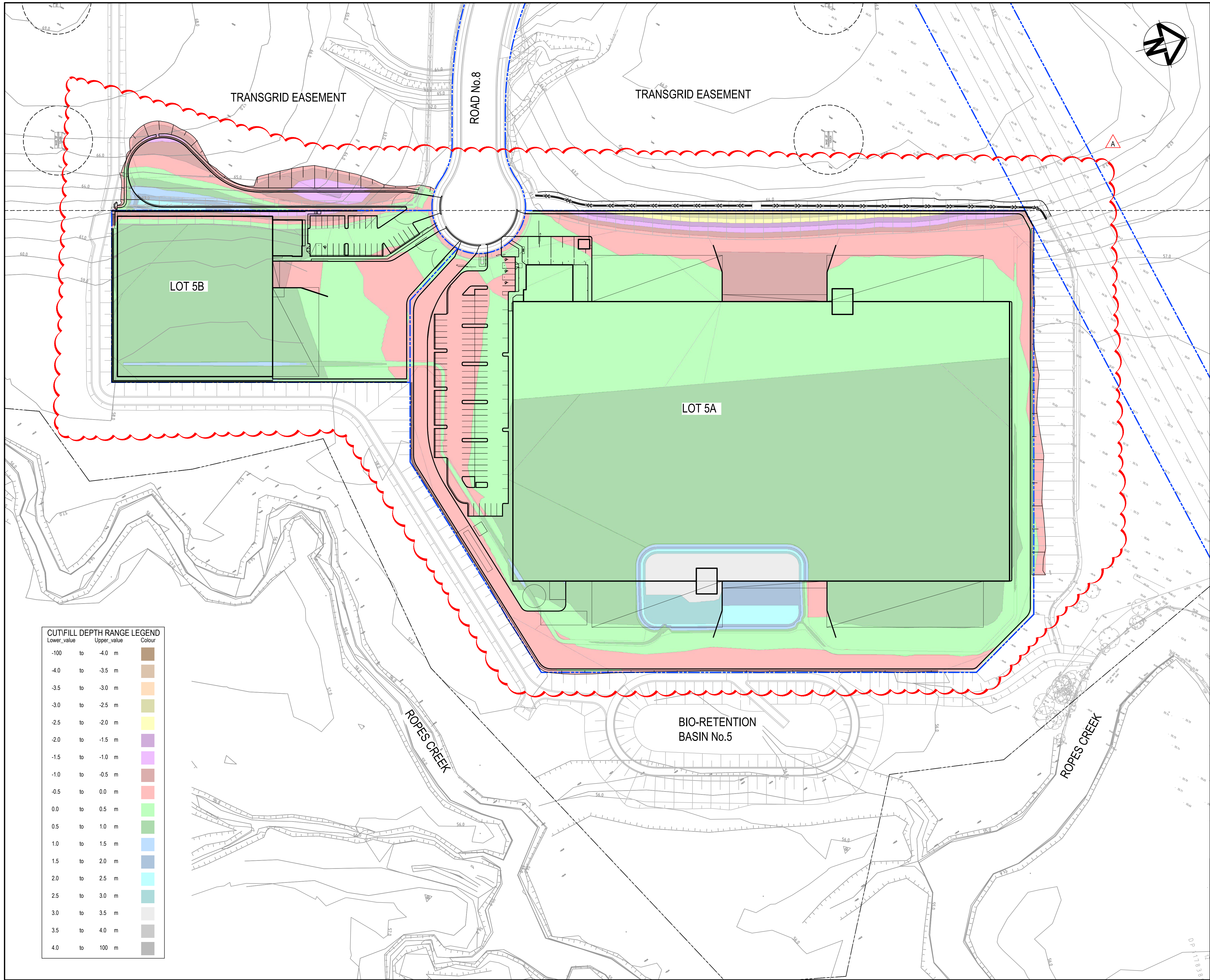
Project

PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST - LOT 5

Title

TYPICAL SECTIONS SHEET 3

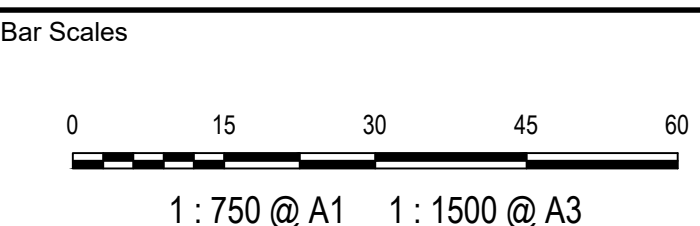
Drawing No.	Project No.	Issue
15-272-C7712	15-272	A



CUT/FILL DEPTH RANGE LEGEND		
Lower_value	Upper_value	Colour
-100	to -4.0	m
-4.0	to -3.5	m
-3.5	to -3.0	m
-3.0	to -2.5	m
-2.5	to -2.0	m
-2.0	to -1.5	m
-1.5	to -1.0	m
-1.0	to -0.5	m
-0.5	to 0.0	m
0.0	to 0.5	m
0.5	to 1.0	m
1.0	to 1.5	m
1.5	to 2.0	m
2.0	to 2.5	m
2.5	to 3.0	m
3.0	to 3.5	m
3.5	to 4.0	m
4.0	to 100	m

NET CUT (cu.m)	NET FILL (cu.m)	BALANCE (cu.m)
-6,812	+31,364	+24,552 IMPORT

- NOTES
- THE ABOVE VOLUMES ARE CALCULATED WITH THE ASSUMPTION THAT THE INFRASTRUCTURE WORKS ARE COMPLETED.
 - ASSUMED 300mm SET DOWN FROM PRELIMINARY FINISHED LEVELS.
 - NO ALLOWANCE FOR RETAINING WALL BACKFILL MATERIAL.
 - 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
 - EROSION AND SEDIMENTATION CONTROL SWALES AND BASINS



A	ISSUED FOR DA	04-11-22
P2	ISSUED FOR DA	08-04-22
P1	ISSUED FOR DA	24-03-22

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Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Scales		15-272-C7715.dwg	
1 : 750	Drawn	JC	
	Designed	JC	
Height Datum	AHD	Checked	DS
Grid	LOCAL	Approved	DS



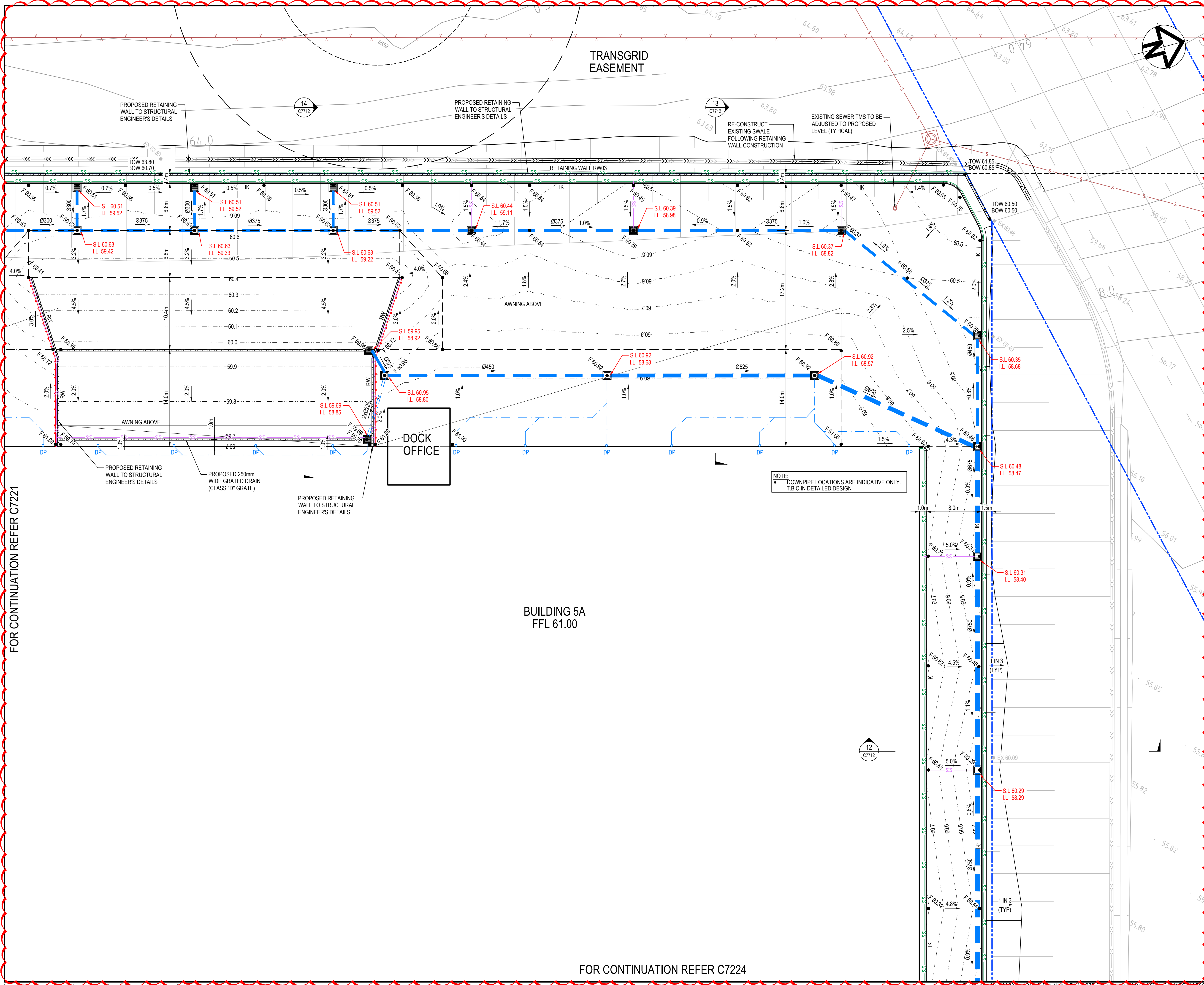
Civil Engineers and Project Managers
at&i
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Project
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST - LOT 5

Title
BULK EARTHWORKS PLAN

Drawing No.	Project No.	Issue
15-272-C7715	15-272	A





LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- PROPOSED CONTOUR
- K&G
- KO
- IKO
- DD
- FINISHED SURFACE LEVEL
- STORMWATER PIPE WITH SIZE
- STORMWATER GRATED DRAIN WITH CLASS "D" COVER
- STORMWATER DOWNPIPE AND PVC PIPE REFER HYDRAULIC ENGINEER FOR DETAILS
- GUARD RAIL
- SAFETY BARRIER
- SUBSOIL DRAINAGE (100mm Ø)
- SUBSOIL DRAINAGE (100mm Ø uPVC) CONNECTION UNDER PAVEMENT
- GRASS LINED SWALE
- KERB INLET PIT
- SURFACE INLET PIT
- JUNCTION PIT
- EXISTING STORMWATER PIPE AND PIT
- EXISTING RETAINING WALL
- EXISTING COMMUNICATIONS
- EXISTING SEWER MAIN
- EXISTING WATER MAIN
- EXISTING NBN
- EXISTING ELECTRICAL
- EXISTING GAS MAIN

Bar Scales

0 5 10 15 20

1 : 250 @ A1 1 : 500 @ A3

A	ISSUED FOR DA	04-11-22
P2	ISSUED FOR DA	08-04-22
P1	ISSUED FOR DA	24-03-22

Issue	Description	Date
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FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

A1

Scales	15-272-C7722.dwg	
1 : 250	Drawn	JC
	Designed	JC
Height Datum	AHD	Checked DS
Grid	LOCAL	Approved DS

Client

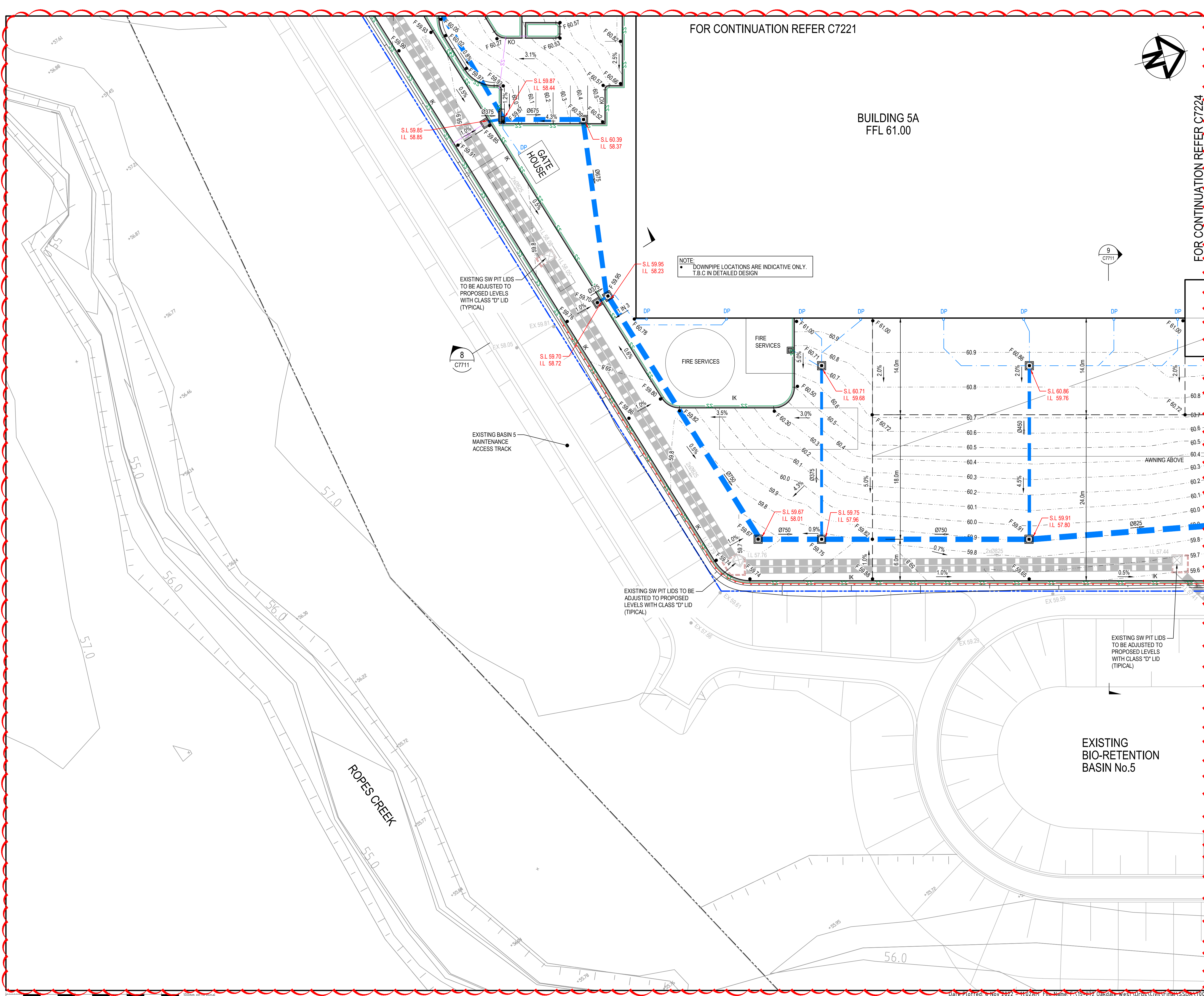
Goodman

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 - LOT 5	
Title	SITWORKS AND STORMWATER DRAINAGE PLAN SHEET 3	
Drawing No.	Project No.	Issue
15-272-C7722	15-272	A



LEGEND

- EXISTING BOUNDARY
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- PROPOSED CONTOUR
- K&G
- KO
- IKO
- DD
- FINISHED SURFACE LEVEL
- STORMWATER PIPE WITH SIZE
- STORMWATER GRATED DRAIN WITH CLASS "D" COVER
- STORMWATER DOWNPIPE AND PVC PIPE REFER HYDRAULIC ENGINEER FOR DETAILS
- GUARD RAIL
- SAFETY BARRIER
- SUBSOIL DRAINAGE (100mm Ø)
- SUBSOIL DRAINAGE (100mm Ø uPVC) CONNECTION UNDER PAVEMENT
- GRASS LINED SWALE
- KERB INLET PIT
- SURFACE INLET PIT
- JUNCTION PIT
- EXISTING STORMWATER PIPE AND PIT
- EXISTING RETAINING WALL
- EXISTING COMMUNICATIONS
- EXISTING SEWER MAIN
- EXISTING WATER MAIN
- EXISTING NBN
- EXISTING ELECTRICAL
- EXISTING GAS MAIN

Bar Scales

0 5 10 15 20

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
A	ISSUED FOR DA	04-11-22
P4	ISSUED FOR DA	06-10-22
P3	ISSUED FOR DA	04-10-22
P2	ISSUED FOR DA	08-04-22
P1	ISSUED FOR DA	24-03-22

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Status	FOR APPROVAL		A1
Scales	15-272-C7723.dwg		
1 : 250	Drawn	JC	
	Designed	JC	
Height Datum	AHD	Checked	DS
Grid	LOCAL	Approved	DS

Client

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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 - LOT 5

Title

SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 4

Drawing No.	Project No.	Issue
15-272-C7723	15-272	A

FOR CONTINUATION REFER C7223

PROPOSED UNDERGROUND RAINWATER TANK

- RWT SIZE = 50KL
(EFFECTIVE VOLUME = 40KL)
- ROOF AREA TO RWT = 6,000m²
- % OF RE-USED DEMAND MET = 87.8%

FINAL RWT SIZE AND ROOF CATCHMENT TO BE
CONFIRMED DURING DETAILED DESIGN.
MINIMUM 80% OF RE-USE DEMAND TO BE MET.

NOTE:

- DOWNPIPE LOCATIONS ARE INDICATIVE ONLY.
T.B.C IN DETAILED DESIGN

PROPOSED 250mm —
WIDE GRATED DRAIN
(CLASS "D" GRATE)

- PROPOSED RETAINING WALL TO STRUCTURAL ENGINEER'S DETAILS

PROPOSED RETAINING
WALL TO STRUCTURAL
ENGINEER'S DETAILS

AWNING ABOVE

PROPOSED GROSS POLLUTANT TRAP
ROCLA CDS 2018 GPT OR SIMILAR
APPROVED EQUIVALENT
CREATABLE FLOW RATE - 500-600 L/s.
INSTALL TO MANUFACTURERS DETAILS

DEMOLISH EXISTING PIT
CONNECT PROPOSED STORMWATER
TO EXISTING 2xØ1050 STUB AT I.L. 57.42
(TO BE CONFIRMED PRIOR TO
CONSTRUCTION)

EXISTING
BIO-RETENTION
BASIN No.5

— T —	EXISTING COMMUNICATIONS
— S —	EXISTING SEWER MAIN
— W —	EXISTING WATER MAIN
— NBN —	EXISTING NBN
— LV/HV —	EXISTING ELECTRICAL
— G —	EXISTING GAS MAIN

1:250 @ A1 1:500 @ A3

A	ISSUED FOR DA	04-11-22
P3	ISSUED FOR DA	04-10-22
P2	ISSUED FOR DA	08-04-22
P1	ISSUED FOR DA	24-03-22
Issue	Description	Date

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Status	
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FOR APPROVAL	A1
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Scales	15-272-C7724.dwg	
	Drawn	JC

1 : 250		33
	Designed	JC

Height Datum	AHD	Checked	DS
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Grid	LOCAL	Approved	DS
Client			

Client 

Goodman

	Civil Engineers and Project Managers
--	--------------------------------------

Level 7, 153 Walker Street
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at&i 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 - LOT 5

Title	Author	Year	Source
SITeworks AND			

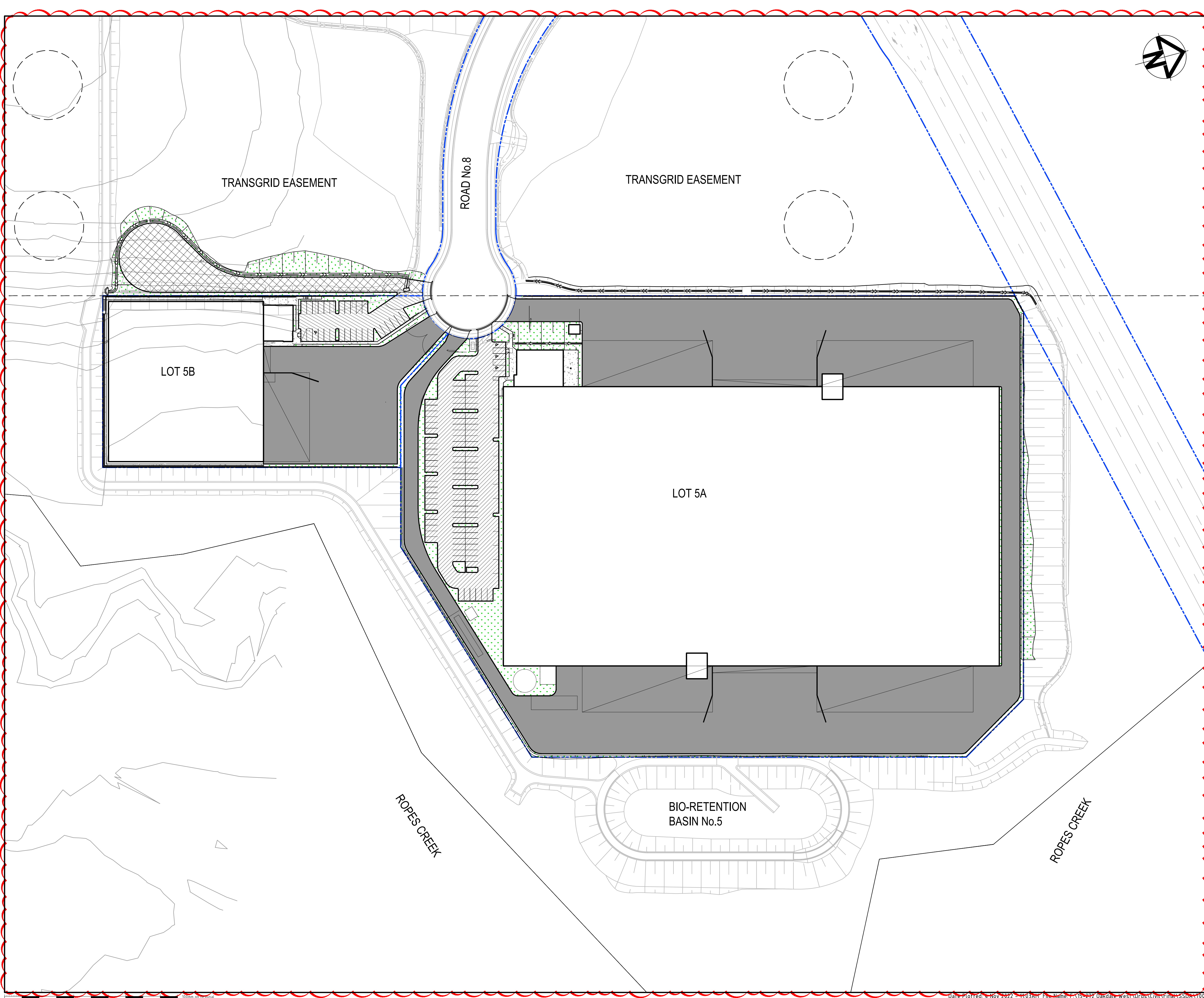
STORMWATER DRAINAGE PLAN

PLAN
SHEET 5

Drawing No.	Project No.	Issue
15-030-03304	15-030	A

15-272-C7724 15-272 A
0_On-Lot Works Packages\7700 LOT 5\15-272-C7724.dwg V1

Date Plotted: 4 Nov 2022 - 12:27PM File Name: F:\15-272 Oakdale West\Drgs\Civil\Final\SSDA\7700_On-Lot Works Packages\7700 LOT 5\15-272-C7724.dwg V1



LEGEND

HEAVY DUTY RIGID PAVEMENT

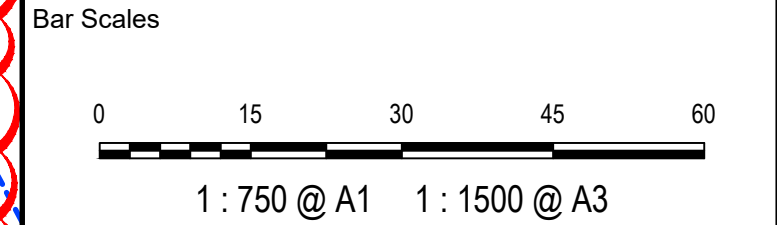
ASPHALT PAVEMENT
CARPARK AISLES

LANDSCAPE

FOOTPATH

FIRE ACCESS TRACK

NOTE: PAVEMENT THICKNESS SUBJECT TO DETAILED DESIGN



A	ISSUED FOR DA	04-11-22
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P1	ISSUED FOR DA	24-03-22
Issue	Description	Date

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Status

FOR APPROVAL
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A1

Scales	1 : 750	15-272-C7730.dwg	
		Drawn	JC
		Designed	JC
Height Datum	AHD	Checked	DS
Grid	LOCAL	Approved	DS

Client

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Tel: 02 9439 1777
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www.atl.net.au
info@atl.net.au

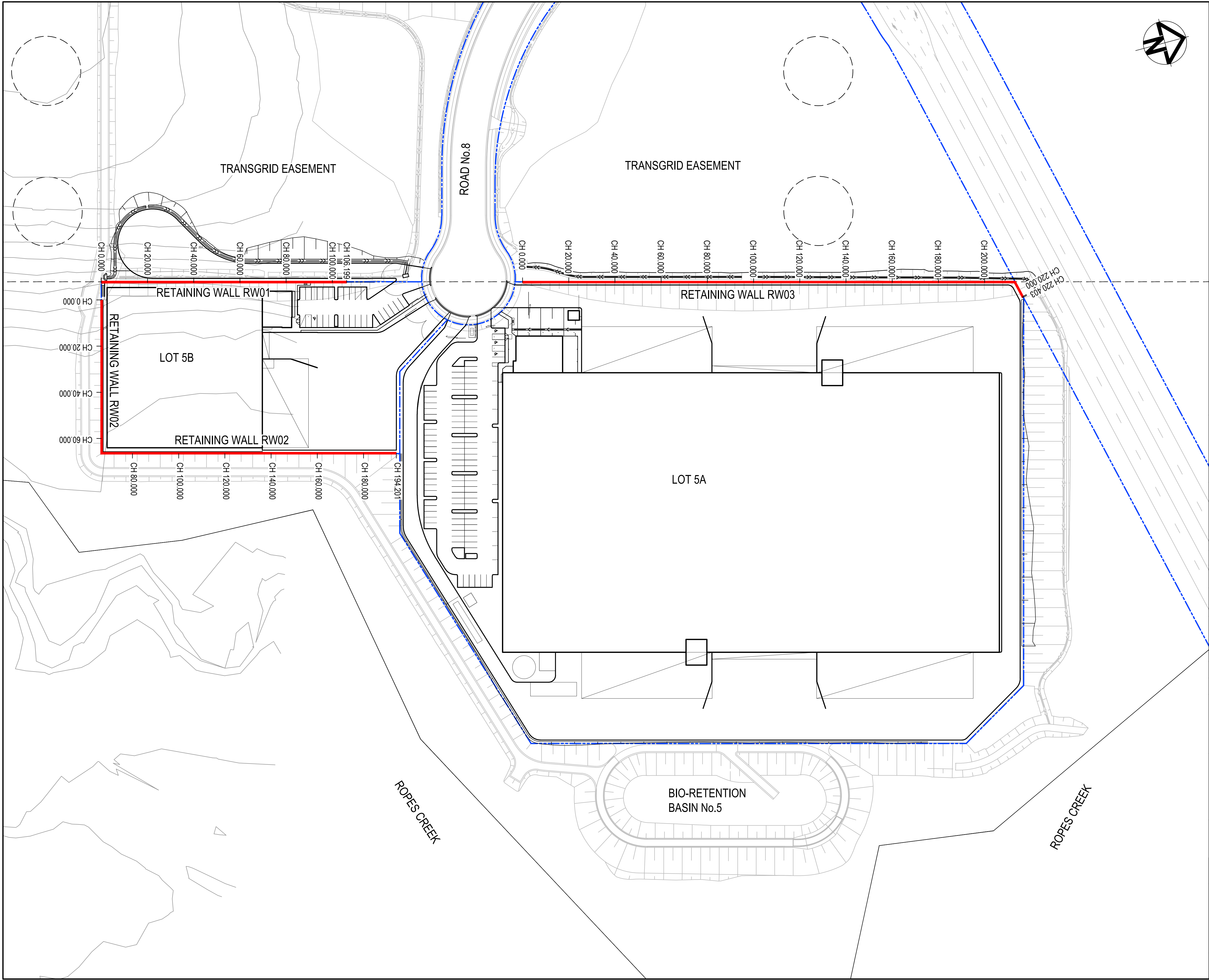
Project

PROPOSED INDUSTRIAL
DEVELOPMENT
OAKDALE WEST - LOT 5

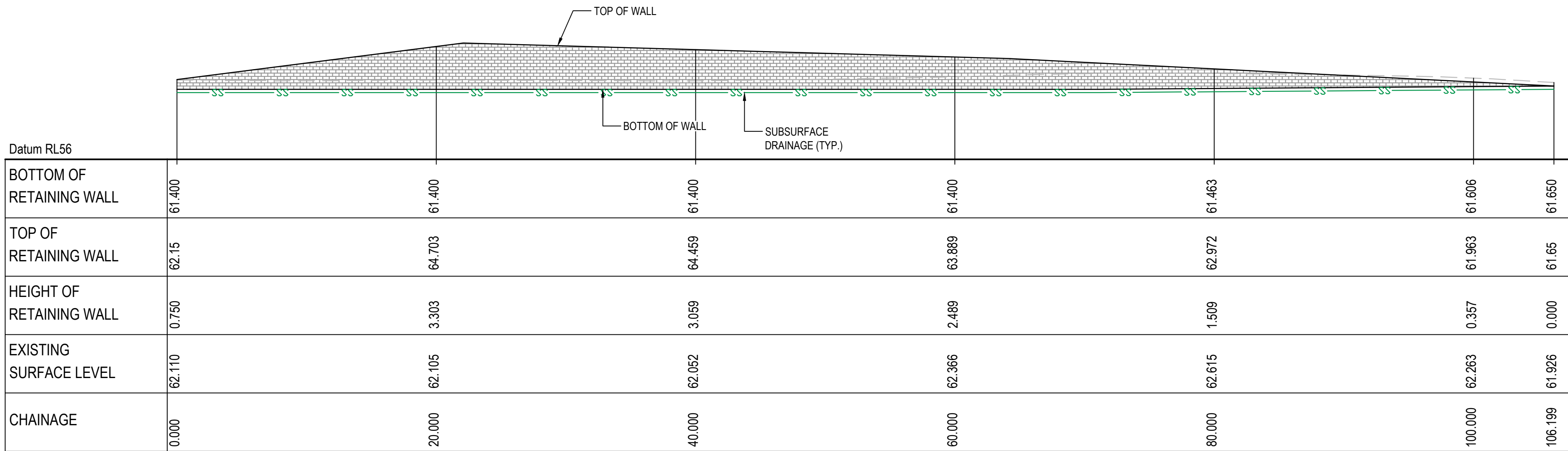
Title

PAVEMENT
PLAN

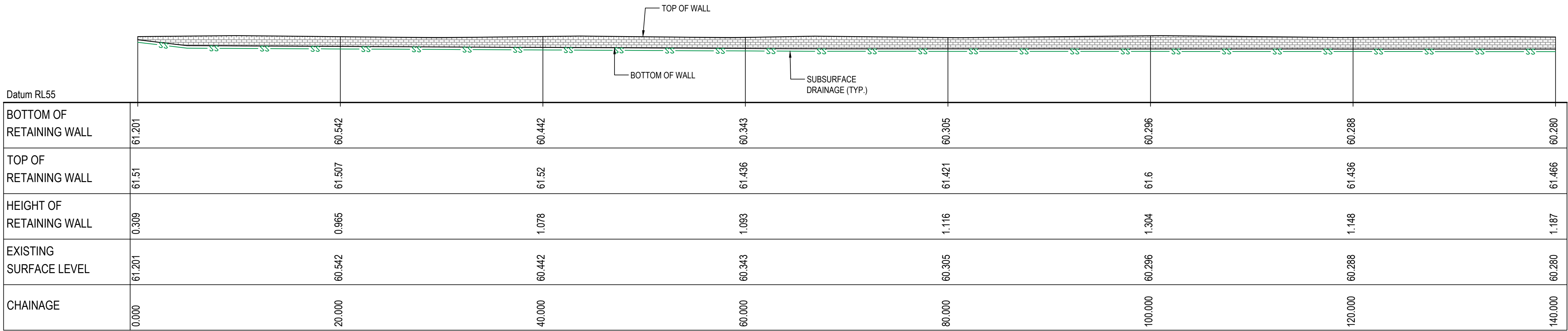
Drawing No.	Project No.	Issue
15-272-C7730	15-272	A



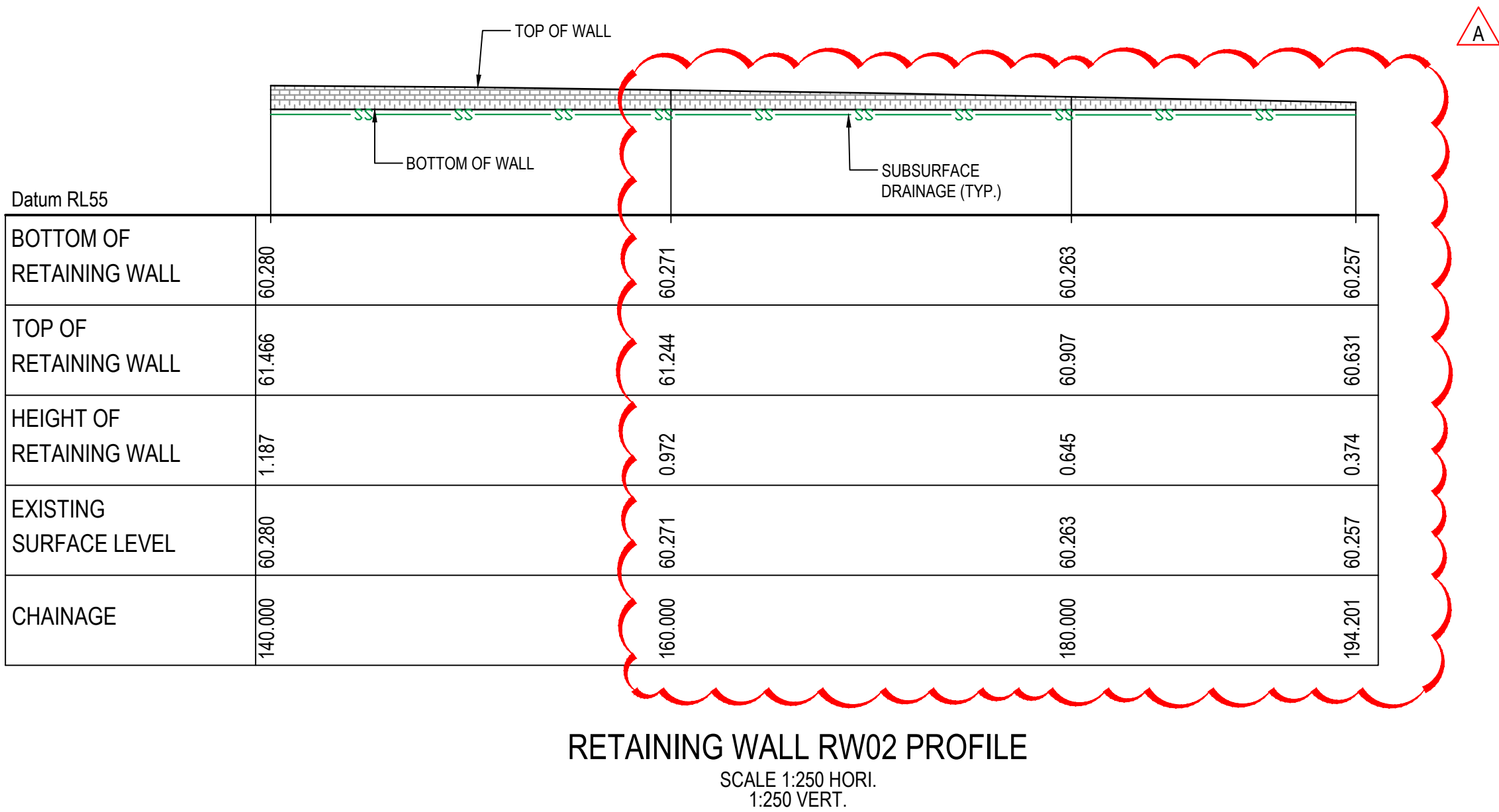
Bar Scales		
015304560 1 : 750 @ A1 1 : 1500 @ A3		
A	ISSUED FOR DA	04-11-22
Issue	Description	Date
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Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		
Scales	1 : 750	15-272-C7734.dwg
		Drawn JC
		Designed JC
Height Datum	AHD	Checked DS
Grid	LOCAL	Approved DS
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 - LOT 5		
Title		
RETAINING WALL GENERAL ARRANGEMENT PLAN		
Drawing No.	Project No.	Issue
15-272-C7734	15-272	A



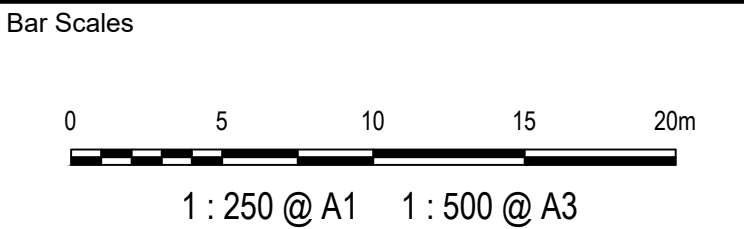
RETAINING WALL RW01 PROFILE
SCALE 1:250 HORI.
1:250 VERT.



RETAINING WALL RW02 PROFILE
SCALE 1:250 HORI.
1:250 VERT.



RETAINING WALL RW02 PROFILE
SCALE 1:250 HORI.
1:250 VERT.



A	ISSUED FOR DA	04-11-22
P2	ISSUED FOR DA	08-04-22
P1	ISSUED FOR DA	24-03-22
Issue	Description	Date

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Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

Scales	1 : 250	15-272-C7735.dwg	
		Drawn	JC
		Designed	JC
Height Datum	AHD	Checked	DS
Grid	LOCAL	Approved	DS



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at&l

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ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
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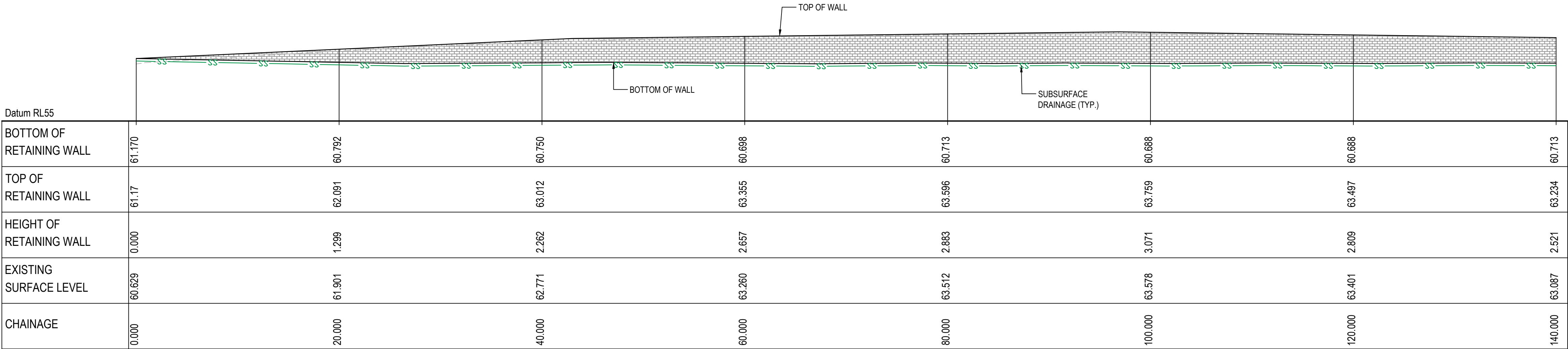
Project

**PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST - LOT 5**

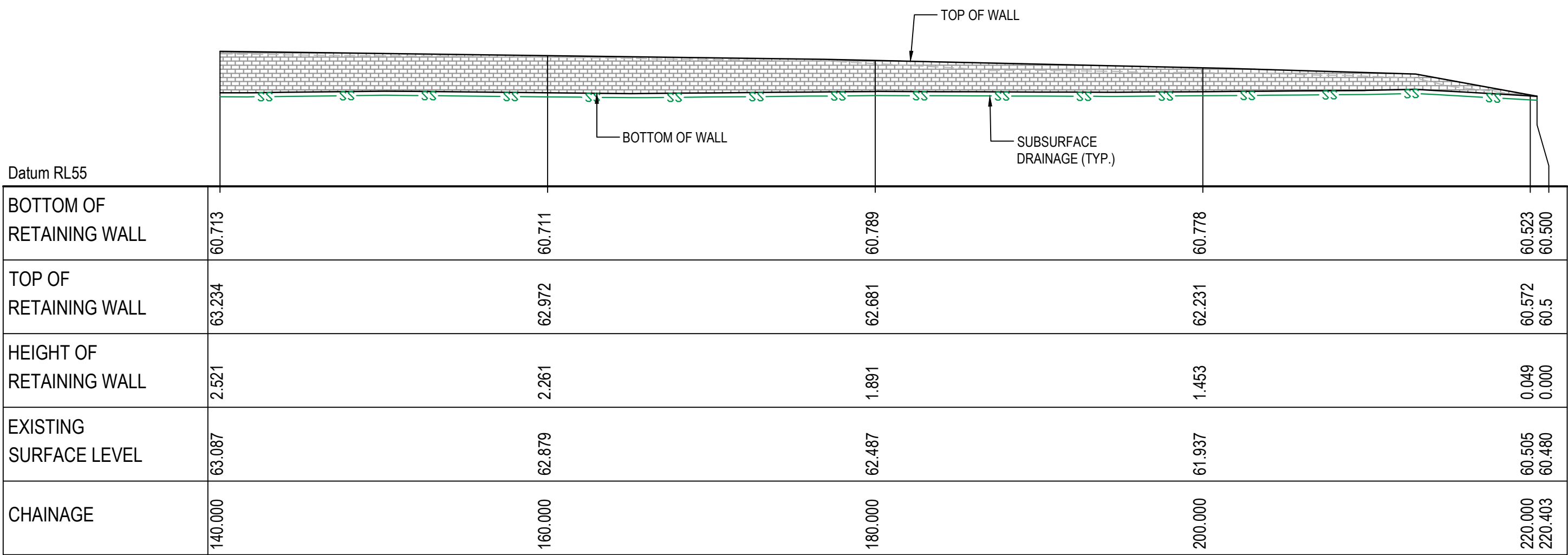
Title

**RETAINING WALL PROFILES
SHEET 1**

Drawing No.	Project No.	Issue
15-272-C7735	15-272	A



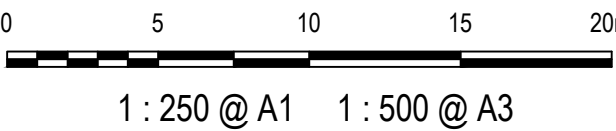
RETAINING WALL RW03 PROFILE
SCALE 1:250 HORI.
1:250 VERT.



RETAINING WALL RW03 PROFILE
SCALE 1:250 HORI.
1:250 VERT.

A

Bar Scales



A	ISSUED FOR DA	04-11-22
P2	ISSUED FOR DA	08-04-22
P1	ISSUED FOR DA	24-03-22
Issue	Description	Date

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Status	FOR APPROVAL	A1
	NOT TO BE USED FOR CONSTRUCTION	

Scales	1 : 250	15-272-C7736.dwg
	Drawn	JC
	Designed	JC
Height Datum	AHD	Checked DS
Grid	LOCAL	Approved DS



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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

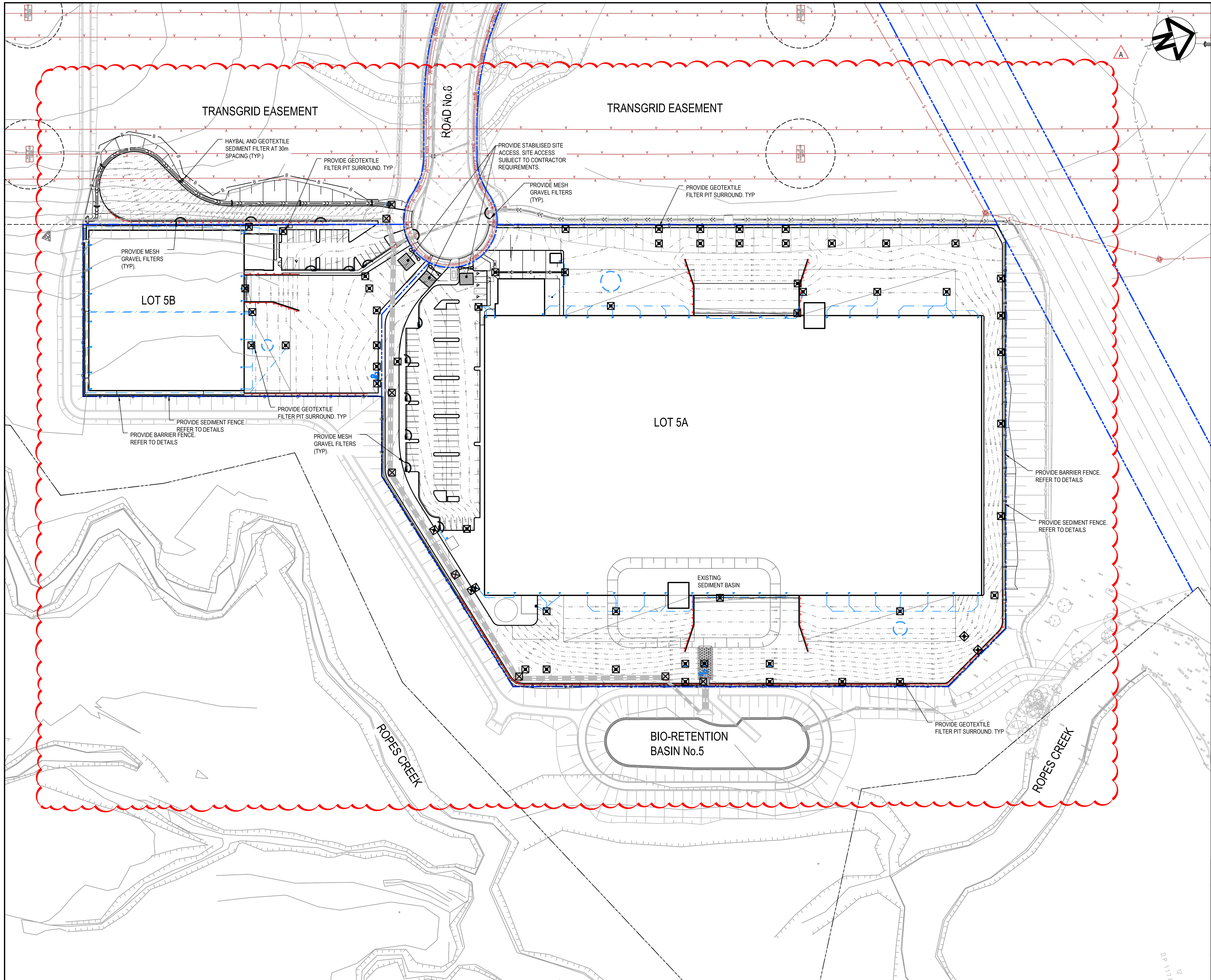
Project

**PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST - LOT 5**

Title

**RETAINING WALL PROFILES
SHEET 2**

Drawing No.	Project No.	Issue
15-272-C7736	15-272	A



LEGEND

SEDIMENT FENCE (SD 6-8)

CATCH DRAIN

BARRIER FENCE

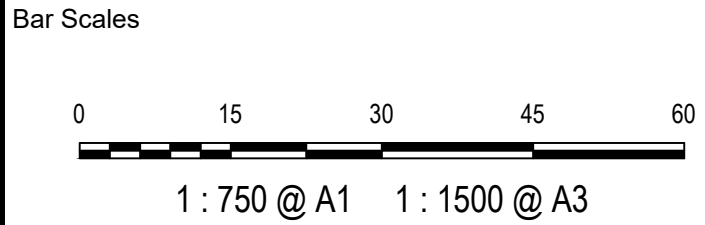
STRAW BALE FILTER (SD 6-7)

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



A	ISSUED FOR DA	04-11-22
P2	ISSUED FOR DA	08-04-22
P1	ISSUED FOR DA	24-03-22
Issue	Description	Date

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Status	FOR APPROVAL		A1
NOT TO BE USED FOR CONSTRUCTION			
Scales	1 : 750	15-272-C7740.dwg	
		Drawn	JC
		Designed	JC
Height Datum	AHD	Checked	DS
Grid	LOCAL	Approved	DS

Client

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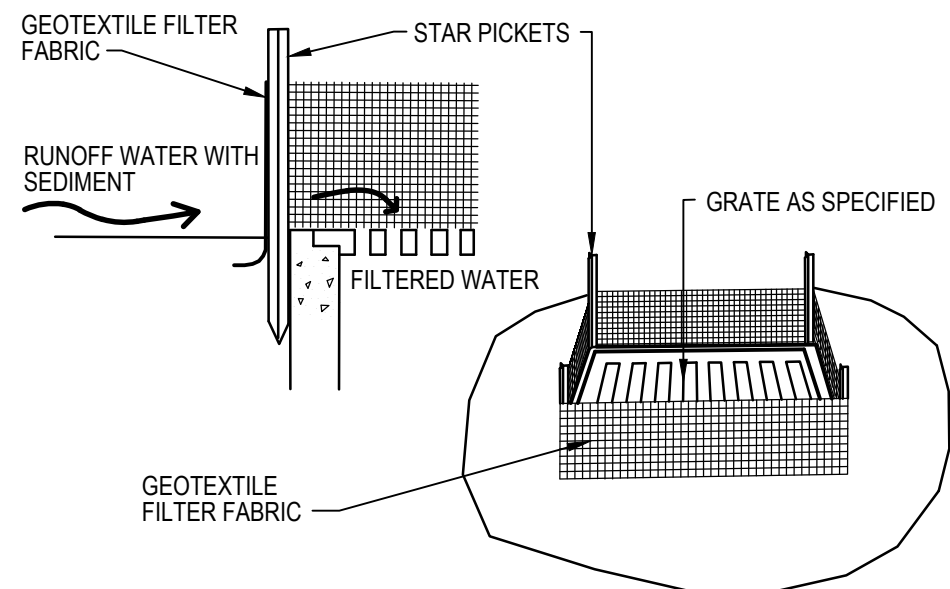
Project

PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST - LOT 5

Title

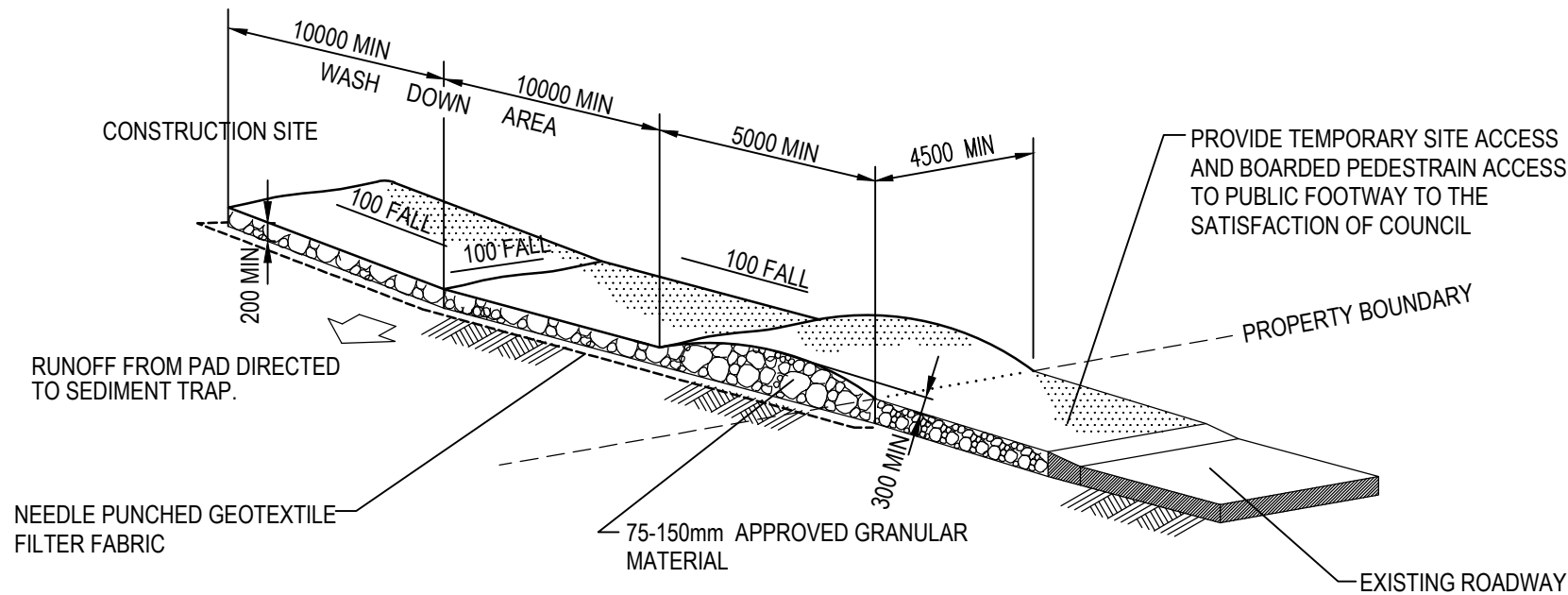
EROSION AND SEDIMENT CONTROL PLAN

Drawing No.	Project No.	Issue
15-272-C7740	15-272	A



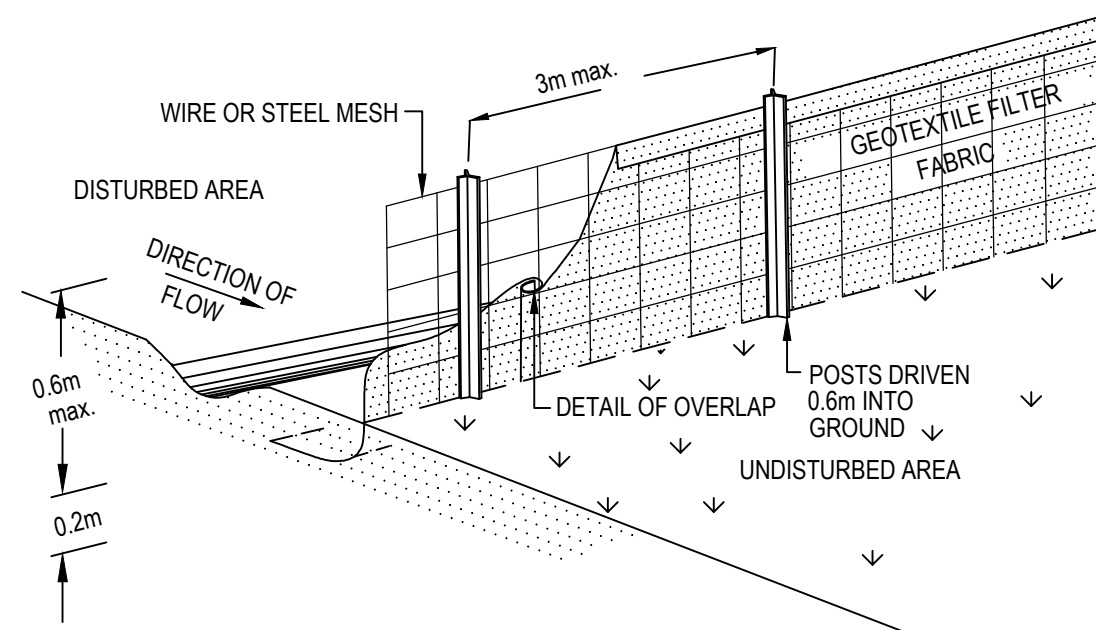
GEOTEXTILE FILTER PIT SURROUND

NTS



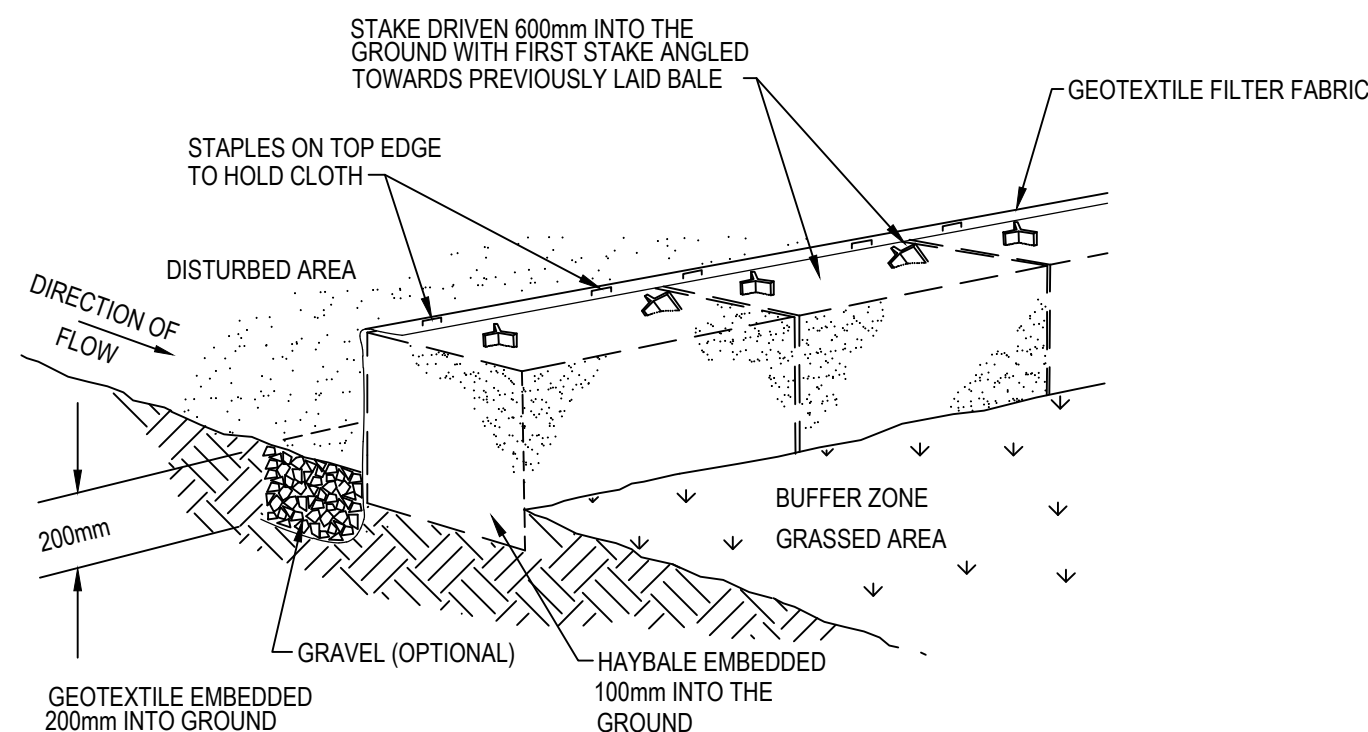
STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA

NTS



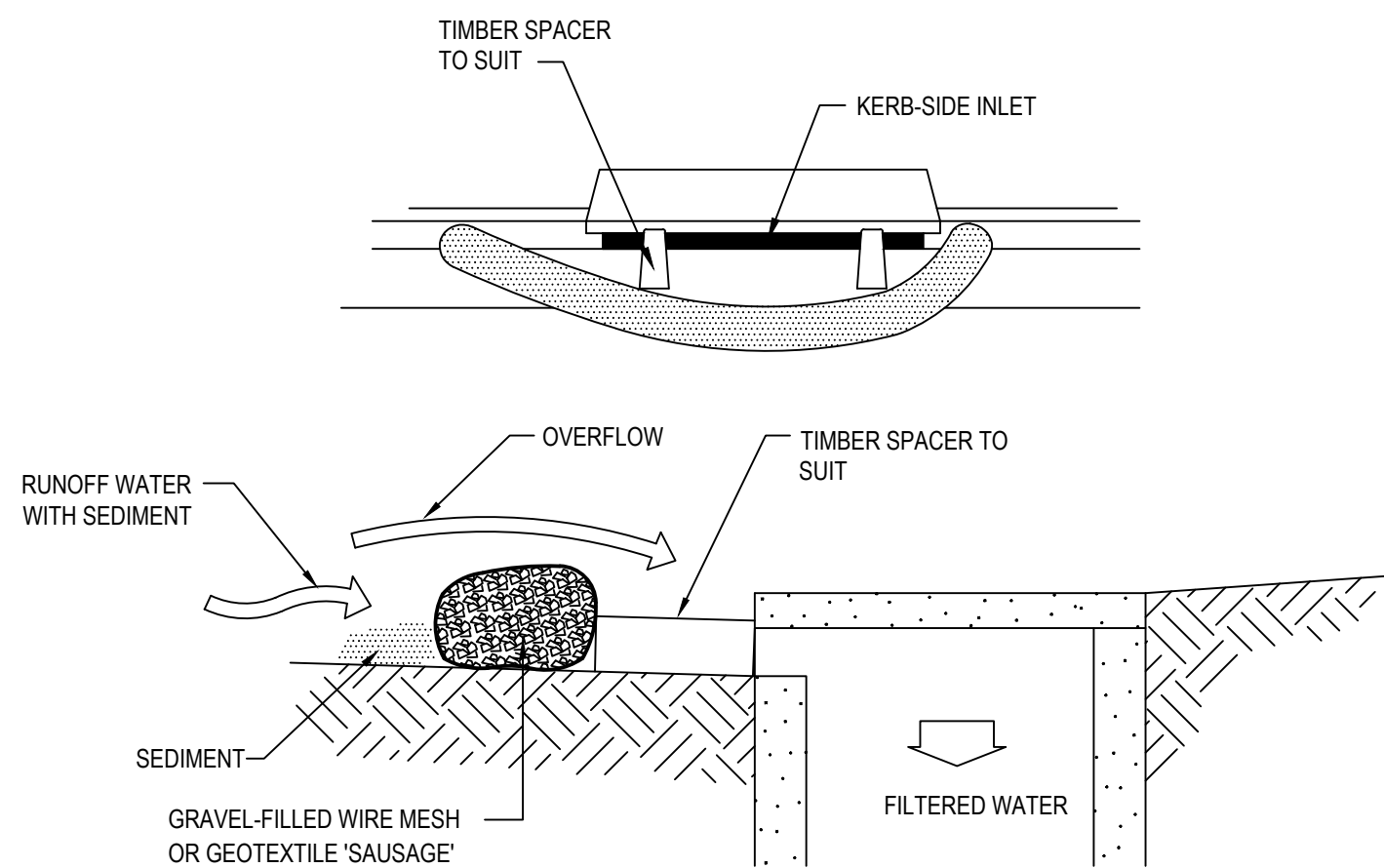
SEDIMENT FENCE

NTS



HAYBALE AND GEOTEXTILE SEDIMENT FILTER

NTS



MESH AND GRAVEL INLET FILTER

NTS

Bar Scales

A	ISSUED FOR DA	04-11-22
P2	ISSUED FOR DA	08-04-22
P1	ISSUED FOR DA	24-03-22

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

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Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

Scales	NTS	15-272-C7741.dwg	
		Drawn	JC
		Designed	JC
Height Datum	AHD	Checked	DS
Grid	LOCAL	Approved	DS



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 - LOT 5**

Title
EROSION AND SEDIMENT DETAILS

Drawing No.	Project No.	Issue
15-272-C7741	15-272	A