

OAKDALE WEST

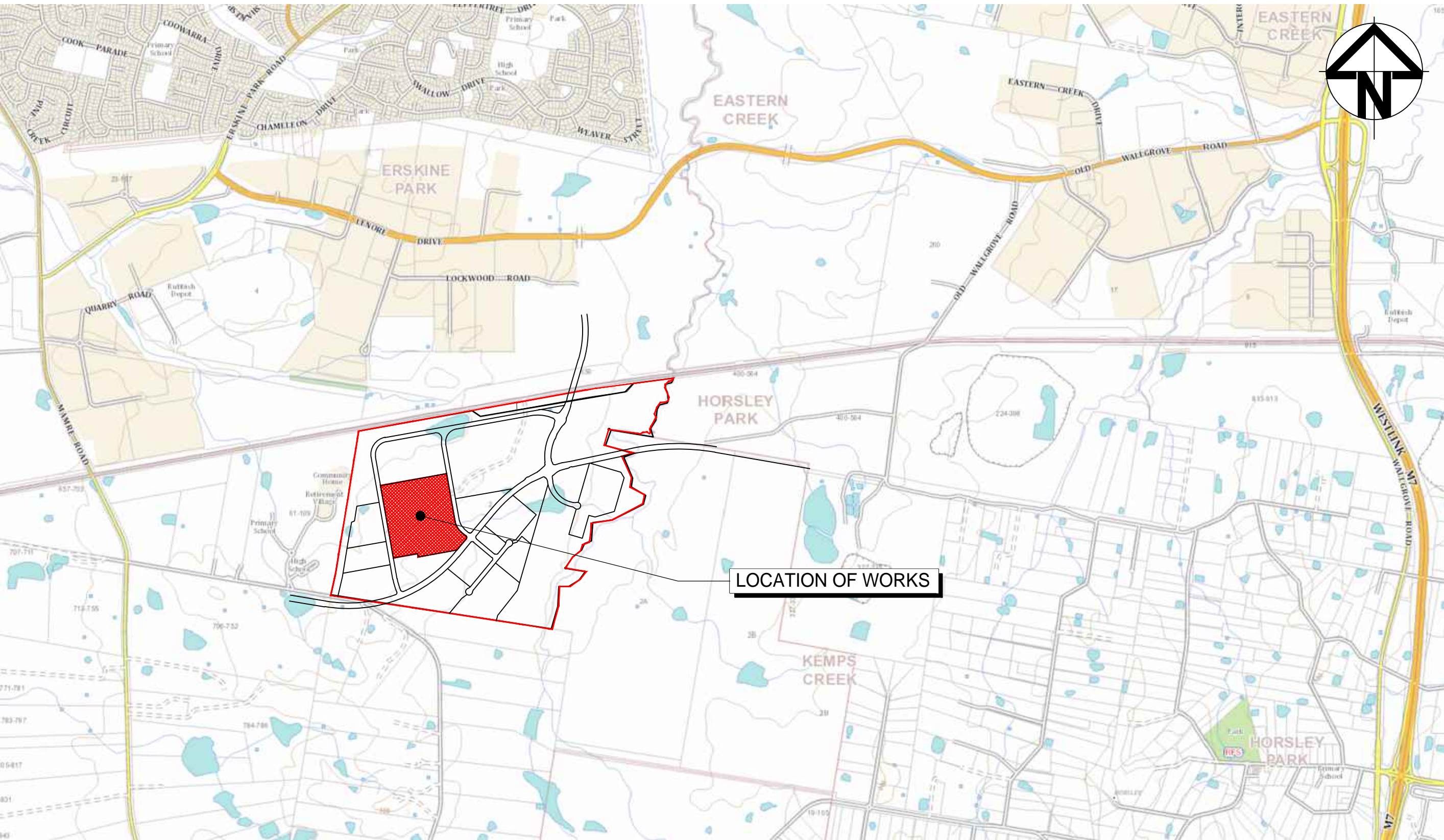
7100-SERIES LOT 2B

CIVIL WORKS PACKAGE

STATE SIGNIFICANT DEVELOPMENT

APPLICATION

DRAWING No.	DRAWING TITLE
15-272-C7100	COVER SHEET DRAWING LIST LOCALITY PLAN
15-272-C7101	GENERAL NOTES
15-272-C7102	GENERAL ARRANGEMENT PLAN
15-272-C7103	TYPICAL SECTIONS SHEET 1
15-272-C7104	TYPICAL SECTIONS SHEET 2
15-272-C7105	TYPICAL SECTIONS SHEET 3
15-272-C7106	TYPICAL SECTIONS SHEET 4
15-272-C7107	TYPICAL SECTIONS SHEET 5
15-272-C7109	BULK EARTHWORKS PLAN
15-272-C7110	SITWORKS AND STORMWATER DRAINAGE PLAN SHEET 1
15-272-C7111	SITWORKS AND STORMWATER DRAINAGE PLAN SHEET 2
15-272-C7112	SITWORKS AND STORMWATER DRAINAGE PLAN SHEET 3
15-272-C7113	SITWORKS AND STORMWATER DRAINAGE PLAN SHEET 4
15-272-C7114	SITWORKS AND STORMWATER DRAINAGE PLAN SHEET 5
15-272-C7115	SITWORKS AND STORMWATER DRAINAGE PLAN SHEET 6
15-272-C7116	SITWORKS AND STORMWATER DRAINAGE PLAN SHEET 7
15-272-C7117	SITWORKS AND STORMWATER DRAINAGE PLAN SHEET 8
15-272-C7118	PAVEMENT PLAN
15-272-C7119	EROSION AND SEDIMENT CONTROL PLAN
15-272-C7120	EROSION AND SEDIMENT DETAILS



LOCALITY PLAN
NTS

- NOTE:**
THIS APPLICATION RELATES TO THE FOLLOWING :-
1. BULK EARTHWORKS SITE WIDE
 2. STORMWATER BASINS AND ASSOCIATED STORMWATER INLET AND OUTLET
 3. BOUNDARY AND ROAD/LOT RETAINING WALLS
 4. WESTERN NORTH -SOUTH LINK ROAD
 5. PRECINCT 1 INFRASTRUCTURE WORKS

Bar Scales

C	ISSUED FOR SSD APPROVAL MOD 3	13-01-20
B	ISSUED FOR INFORMATION	09-01-20
A	ISSUED FOR SSD APPROVAL MOD 3	06/12/19
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	MOD 3 APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		
Scales	15-272-C7100.dwg	
	Drawn	JH
	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 - LOT 2B		
Title COVER SHEET DRAWING LIST LOCALITY PLAN		
Drawing No. 15-272-C7100	Project No. 15-272	Issue C

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

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 23MPa U.N.O IN REINFORCED CONCRETE NOTES.
2. ALL KERBS, GUTTERS, DISH DRAINS AND CROSSINGS TO BE CONSTRUCTED ON MIN. 100mm GRANULAR BASECOURSE COMPACTED TO MINIMUM 95% MODIFIED DRY DENSITY (AS 1289 5.2.1).
3. EXPANSION JOINTS (E.J.) TO BE FORMED FROM 10mm COMPRESSIBLE CORK FILLER BOARD FOR THE FULL DEPTH OF THE SECTION AND CUT TO PROFILE. EXPANSION JOINTS TO BE LOCATED AT DRAINAGE PITS, ON TANGENT POINTS OF CURVES AND ELSEWHERE AT MAX 12m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE EXPANSION JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLABS.
4. WEAKENED PLANE JOINTS TO BE MIN 3mm WIDE AND LOCATED AT 3m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE WEAKENED PLANE JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLABS.
5. BROOMED FINISH TO ALL RAMPED AND VEHICULAR CROSSINGS. ALL OTHER KERBING OR DISH DRAINS TO BE STEEL FLOAT FINISHED.
6. IN THE REPLACEMENT OF KERB AND GUTTER :-
EXISTING ROAD PAVEMENT IS TO BE SAWCUT 900mm U.N.O FROM THE LIP OF GUTTER. UPON COMPLETION OF THE NEW KERB AND GUTTER NEW BASECOURSE AND SURFACE TO BE LAID 900mm WIDE U.N.O.

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

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

DEWATERING

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

DECOMMISSIONING / DEMOLITION

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

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

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

STORMWATER DRAINAGE NOTES

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

EMBANKMENT CONSTRUCTION SEQUENCE

1. STRIP VEGETATION AND TOPSOIL FROM EMBANKMENT AREA AND STOCKPILE TOPSOIL FOR LATER USE. CUT BACK AREA TO FIRM GROUND.
2. CONSTRUCT EMBANKMENT IN PRESENCE OF QUALIFIED AND EXPERIENCED GEOTECHNICAL ENGINEER IF NOT ROCK.
3. IN THE CASE WHERE THE EMBANKMENT AREAS SLUSH, GROUTING AND DENTAL CONCRETE MAY BE REQUIRED, AS DIRECTED BY A QUALIFIED AND EXPERIENCED GEOTECHNICAL ENGINEER.
4. COMPACT CLAY STABILIZED WITH GYPSUM (3% BY DRY MASS, MINIMUM) AS APPROVED BY A QUALIFIED AND EXPERIENCED GEOTECHNICAL ENGINEER INTO THE CUT-OFF TRENCH OF LAYERS NOT EXCEEDING 150mm LOOSE THICKNESS TO A DRY DENSITY EQUIVALENT TO 98% OF THAT DETERMINED BY STANDARD COMPACTION (AS 1289 5.1.1) AND AT A MOISTURE CONTENT OF -2% TO +2% OF OPTIMUM MOISTURE CONTENT.
5. GYPSUM STABILIZED NATURAL SOILS EXPOSED IN EMBANKMENT AREA WITH MINIMUM 3% GYPSUM BY DRY MASS AND COMPACT AS FOR #4. ALL TO THE APPROVAL OF A QUALIFIED AND EXPERIENCED GEOTECHNICAL ENGINEER.
6. CONSTRUCT BODY OF EMBANKMENT WITH CLAYEY MATERIAL WON FROM SITE. COMPACT THE CLAYEY MATERIAL APPROVED BY A QUALIFIED AND EXPERIENCED GEOTECHNICAL ENGINEER IN LAYERS NOT EXCEEDING 150mm THICKNESS TO A DRY DENSITY EQUIVALENT TO 98% OF THAT DETERMINED BY STANDARD COMPACTION (AS 1289 5.1.1) AND AT A MOISTURE CONTENT OF -2% TO +2% OF OPTIMUM MOISTURE CONTENT. MOST IMPORTANTLY, IF SHRINKAGE CRACKS OCCUR, AS DIRECTED BY A QUALIFIED AND EXPERIENCED GEOTECHNICAL ENGINEER.
7. OVERFILL THE EMBANKMENT AND TRIM OFF, SO THAT THE ENTIRE BODY OF THE EMBANKMENT IS COMPACTED.
8. TRIM THE EMBANKMENTS BATTERS TO THE OVERFILLED MATERIAL, STABILIZE THE UPSTREAM CLAY BATTERS WITH WELL MIXED GYPSUM (3% BY DRY MASS, MINIMUM) AND COMPACT TO MIN. 98% STD -2% TO +2% OMC.
9. PLACE ROCK RIP-RAP AS SHOWN.
10. RECOVER TOPSOIL FROM STOCKPILE AND SPREAD OVER EMBANKMENT AND CUT BATTERS (A THIN COVER OF TOPSOIL ONLY HAS BEEN NOMINATED). ONLY LIGHTLY TRACK-ROLL THE TOPSOIL AND THEN LANDSCAPE IN ACCORDANCE WITH THE LANDSCAPE AREA DRAWINGS.
11. WATER AND FERTILIZE LANDSCAPE AS REQUIRED BY 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 30 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 1.5 METRES OR HALF THE DISTANCE BETWEEN THE OUTER EDGE OF THE DRIP LINE AND THE TRUNK, WHICHEVER 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) CONTENT <30mg/kg WHERE PLANTS WITH MODERATE PHOSPHOROUS SENSITIVITY ARE TO BE USED, TOTAL PHOSPHOROUS CONCENTRATION SHOULD BE <20mg/kg
- d) AS SPECIFIED FOR "NATURAL SOILS AND SOIL BLENDS" AS4419 - pH 5.5-7.5 (pH 1.5 IN WATER)
- e) ELECTRICAL CONDUCTIVITY (EC) AS SPECIFIED FOR "NATURAL SOILS AND SOIL BLENDS" AS4419 <1.2ds/m
- f) DISPENSABILITY - AS SPECIFIED FOR "NATURAL SOILS AND SOIL BLENDS" AS4419 CATEGORY 1 OR 2
- g) TEXTURE - LOAMY SAND AS PER AS4419

5. PRIOR TO PLACEMENT OF THE FILTER MEDIA A STATEMENT IS TO BE SUBMITTED FROM A QUALIFIED HORTICULTURIST CONFIRMING THAT THE SOIL IS CAPABLE OF SUPPORTING A HEALTHY VEGETABLE COMMUNITY.

6. TESTS CONFIRMING THE REQUIREMENTS OF ITEMS 1 TO 4 ARE TO BE SUBMITTED FOR APPROVAL PRIOR TO PLACEMENT OF FILTER MEDIA.

B) DRAINAGE LAYER A

DRAINAGE LAYER MATERIAL IS TO BE CLEAN, FINE GRAVEL, SUCH AS A 2 - 5mm WASHED SCREENING, THE PARTICLE SIZE DISTRIBUTION TO BE: 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 PELLIS 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 PELLIS 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.

Bar Scales

C	ISSUED FOR SSD APPROVAL MOD 3	13-01-20
B	ISSUED FOR INFORMATION	09-01-20
A	ISSUED FOR SSD APPROVAL MOD 3	06/12/19

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	MOD 3 APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
--------	---	----

Scales		15-272-C7101.dwg
	Drawn	JH
	Designed	GB
Height Datum	AHD	Checked AM
Grid	MGA	Approved AM

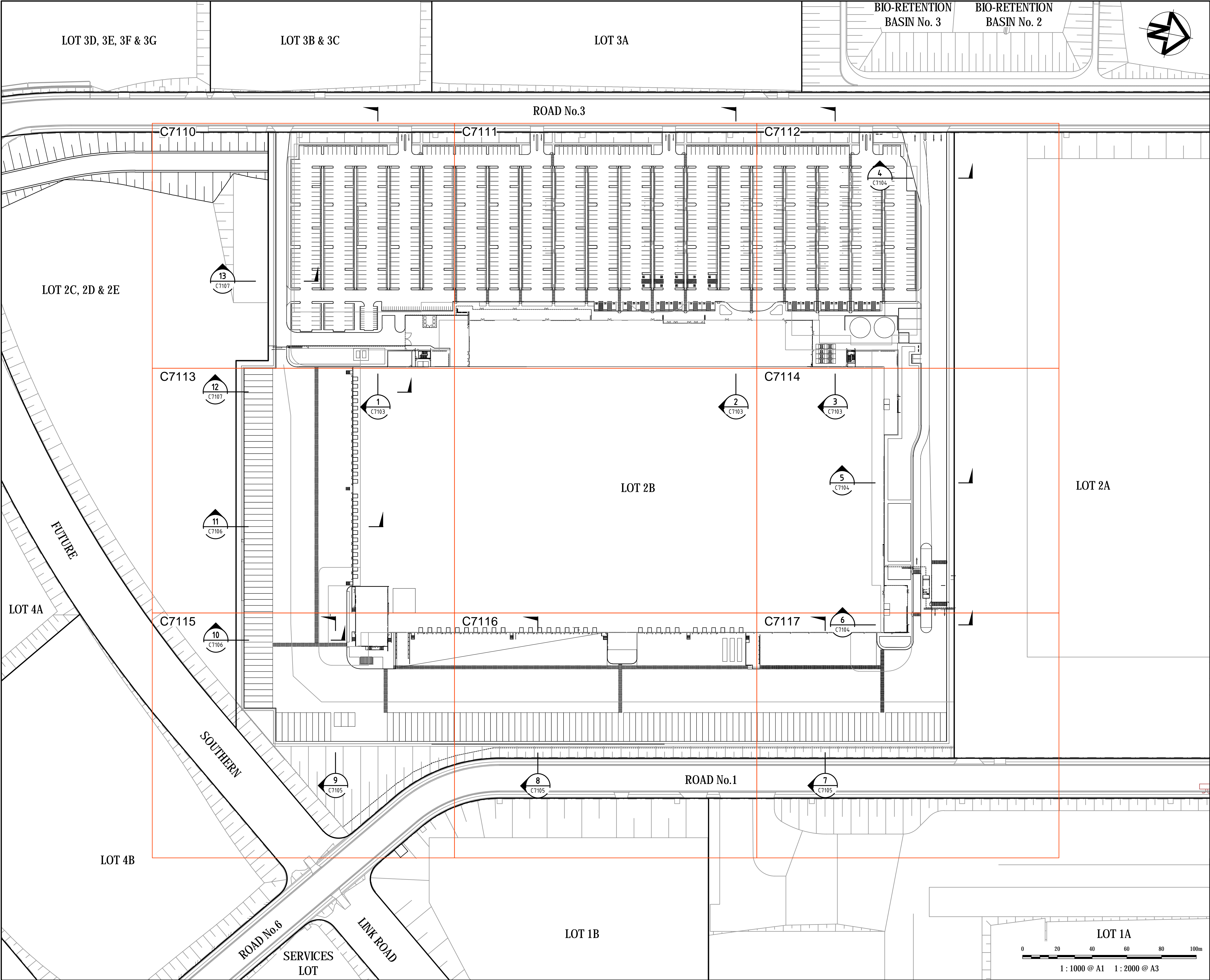
Client	
--------	--

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 - LOT 2B
---------	---

Title	GENERAL NOTES
-------	---------------

Drawing No.	Project No.	Issue
15-272-C7101	15-272	C



Bar Scales

C	ISSUED FOR SSD APPROVAL MOD 3	13-01-20
B	ISSUED FOR INFORMATION	09-01-20
A	ISSUED FOR SSD APPROVAL MOD 3	06/12/19

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

MOD 3 APPROVAL

NOT TO BE USED FOR CONSTRUCTION

A1

Scales

1 : 1000

15-272-C7102.dwg

Drawn JH

Designed GB

Height Datum AHD

Grid MGA

Checked AM

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 - LOT 2B

Title

GENERAL ARRANGEMENT PLAN

Drawing No.

15-272-C7102

Project No.

15-272

Issue

C

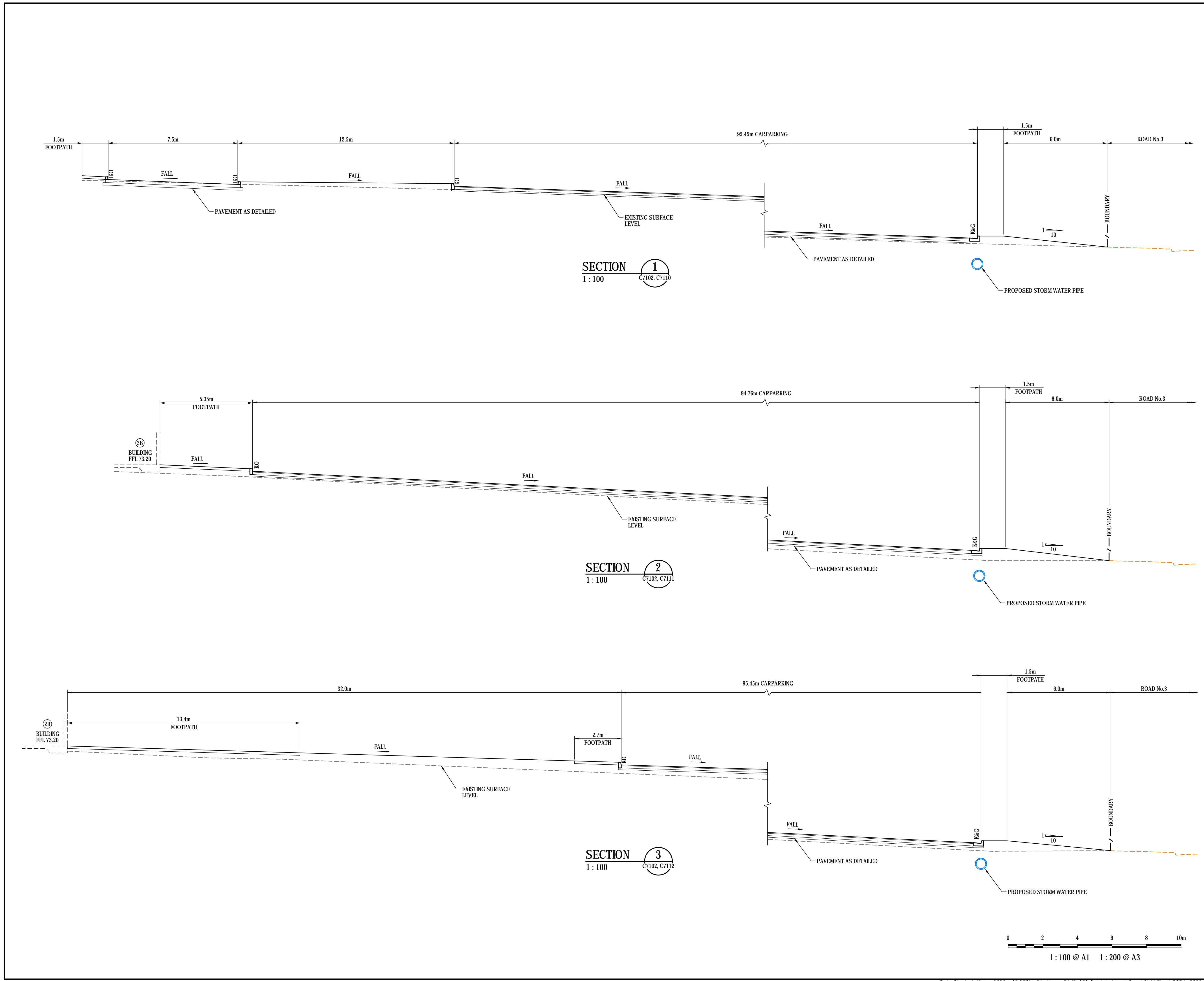
0 20 40 60 80 100m

1 : 1000 @ A1 1 : 2000 @ A3

Date Plotted: 13 Jan 2020 - 05:36PM

File Name: F:\15-272 Oakdale West\Drgrs\Civil\Final\SSDA\7000_On-Of Works Packages\7100_LOT-2B\15-272-C7102.dwg

V1



Bar Scales

C	ISSUED FOR SSD APPROVAL MOD 3	13-01-20
B	ISSUED FOR INFORMATION	09-01-20
A	ISSUED FOR SSD APPROVAL MOD 3	06/12/19
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

MOD 3 APPROVAL

NOT TO BE USED FOR CONSTRUCTION

A1

Scales

1 : 100

15-272-C7103.dwg

Drawn

JH

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 - LOT 2B

Title

TYPICAL SECTIONS
SHEET 1

Drawing No.

15-272-C7103

Project No.

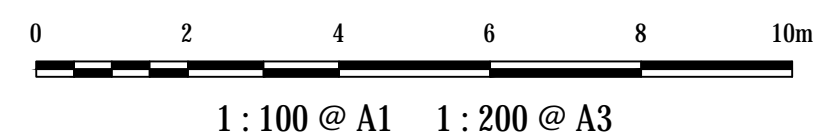
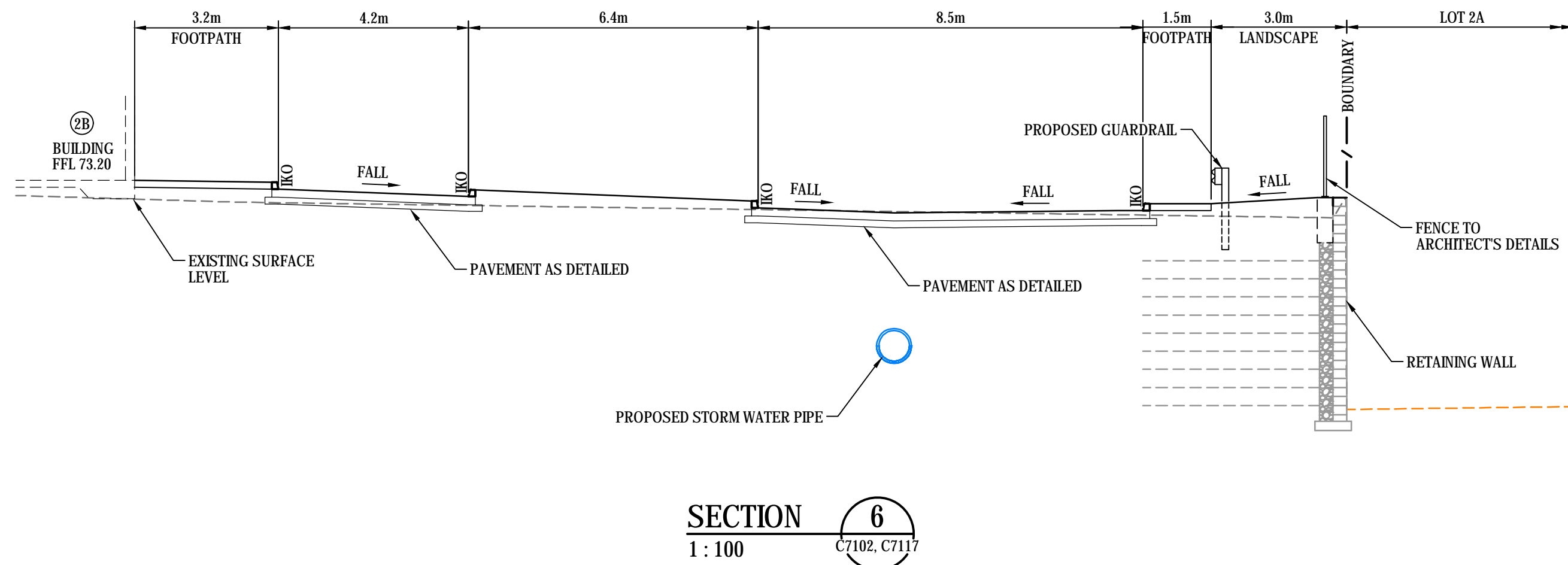
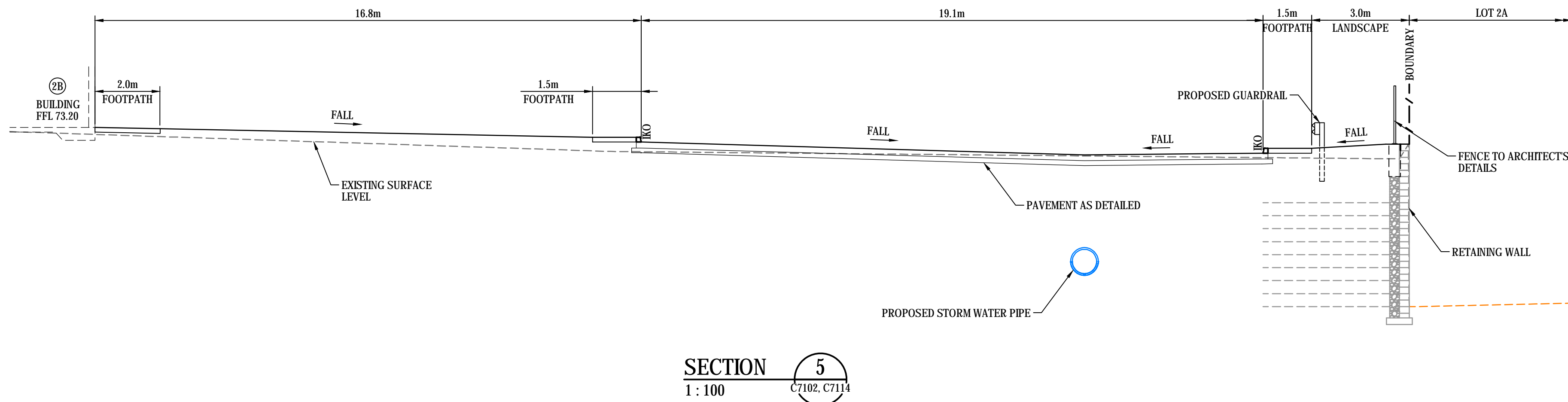
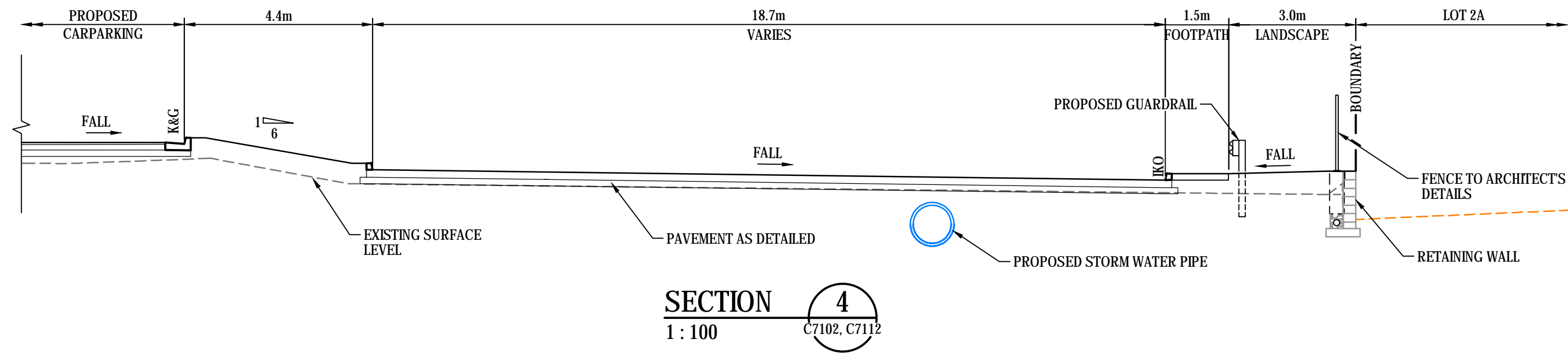
15-272

Issue

C

100mm on Original

Date Plotted: 13 Jan 2020 - 05:25PM File Name: F:\15-272 Oakdale West\Drawings\Civil\Final\SSDA\7000_On-Lot Works Packages\7100_LOT-2B\15-272-C7103.dwg V1



Bar Scales

C	ISSUED FOR SSD APPROVAL MOD 3	13-01-20
B	ISSUED FOR INFORMATION	09-01-20
A	ISSUED FOR SSD APPROVAL MOD 3	06/12/19
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	MOD 3 APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

Scales	1:100	15-272-C7104.dwg
	Drawn	JH
	Designed	GB
Height Datum	AHD	Checked
Grid	MGA	Approved
		AM

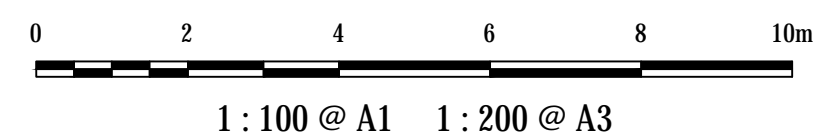
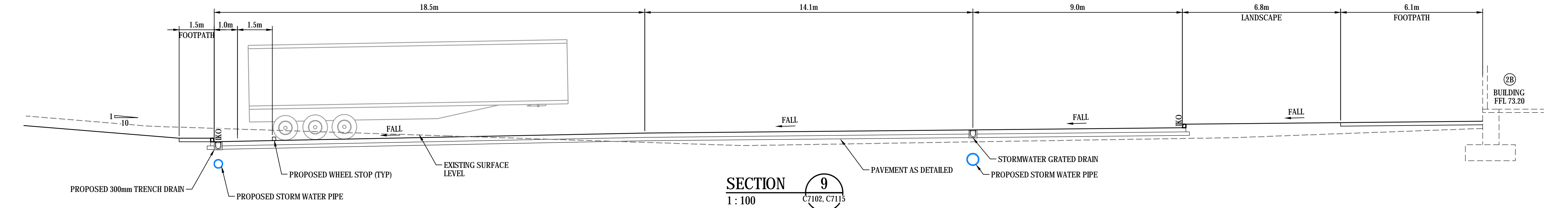
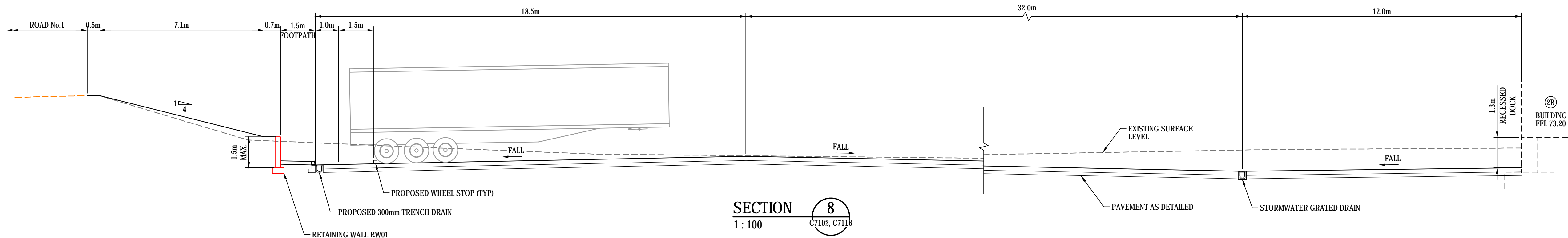
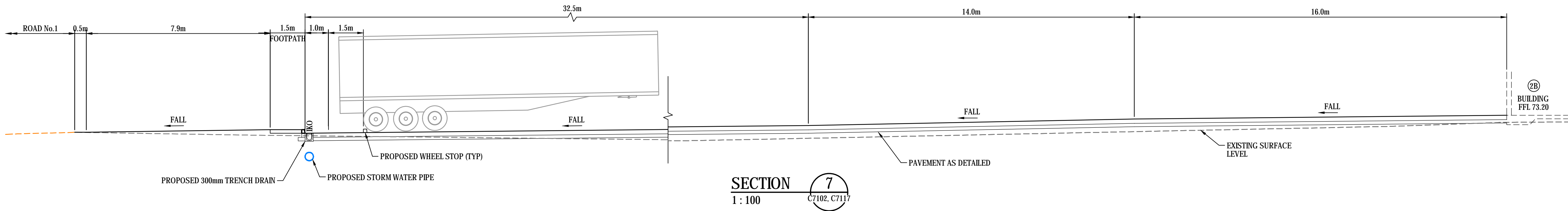


Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Project
PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST - LOT 2B

Title
TYPICAL SECTIONS SHEET 2

Drawing No.	Project No.	Issue
15-272-C7104	15-272	C



Bar Scales

C	ISSUED FOR SSD APPROVAL MOD 3	13-01-20
B	ISSUED FOR INFORMATION	09-01-20
A	ISSUED FOR SSD APPROVAL MOD 3	06/12/19

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	MOD 3 APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

Scales	1:100	15-272-C7105.dwg	
		Drawn	JH
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

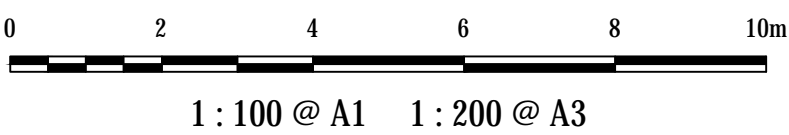
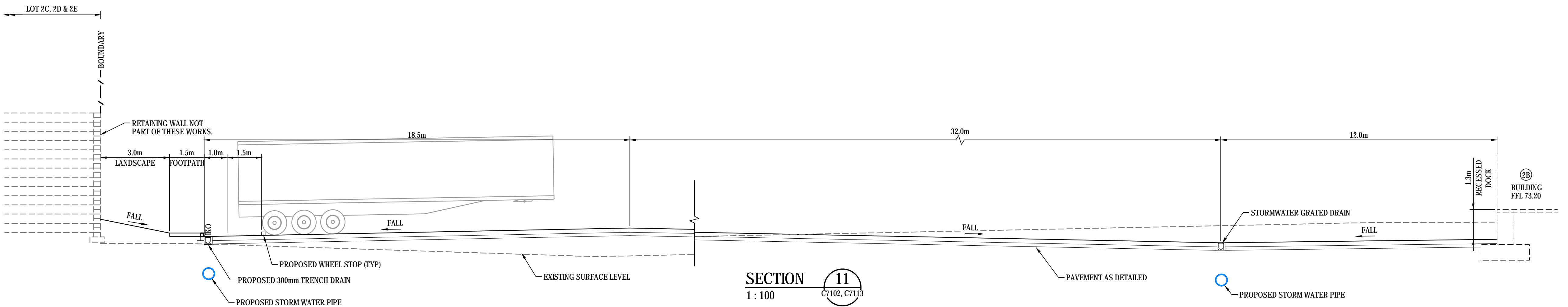
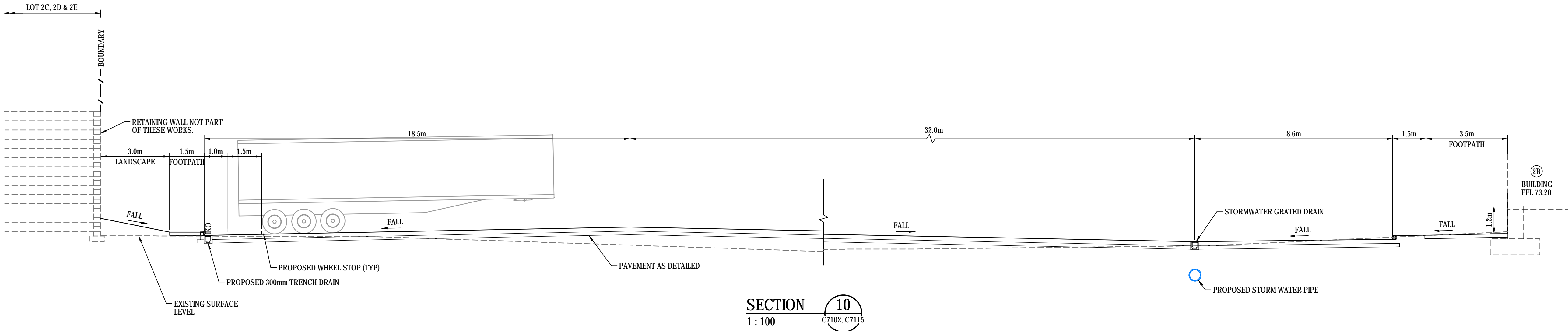


Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Project
**PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST - LOT 2B**

Title
**TYPICAL SECTIONS
SHEET 3**

Drawing No. 15-272-C7105	Project No. 15-272	Issue C
------------------------------------	------------------------------	-------------------



Bar Scales

C	ISSUED FOR SSD APPROVAL MOD 3	13-01-20
B	ISSUED FOR INFORMATION	09-01-20
A	ISSUED FOR SSD APPROVAL MOD 3	06/12/19
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	MOD 3 APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

Scales	1 : 100	15-272-C7106.dwg	
		Drawn	JH
		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

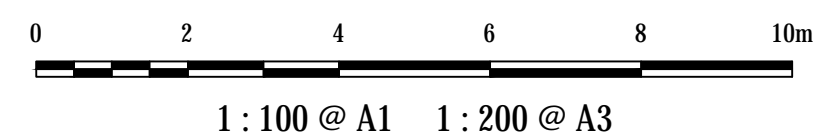
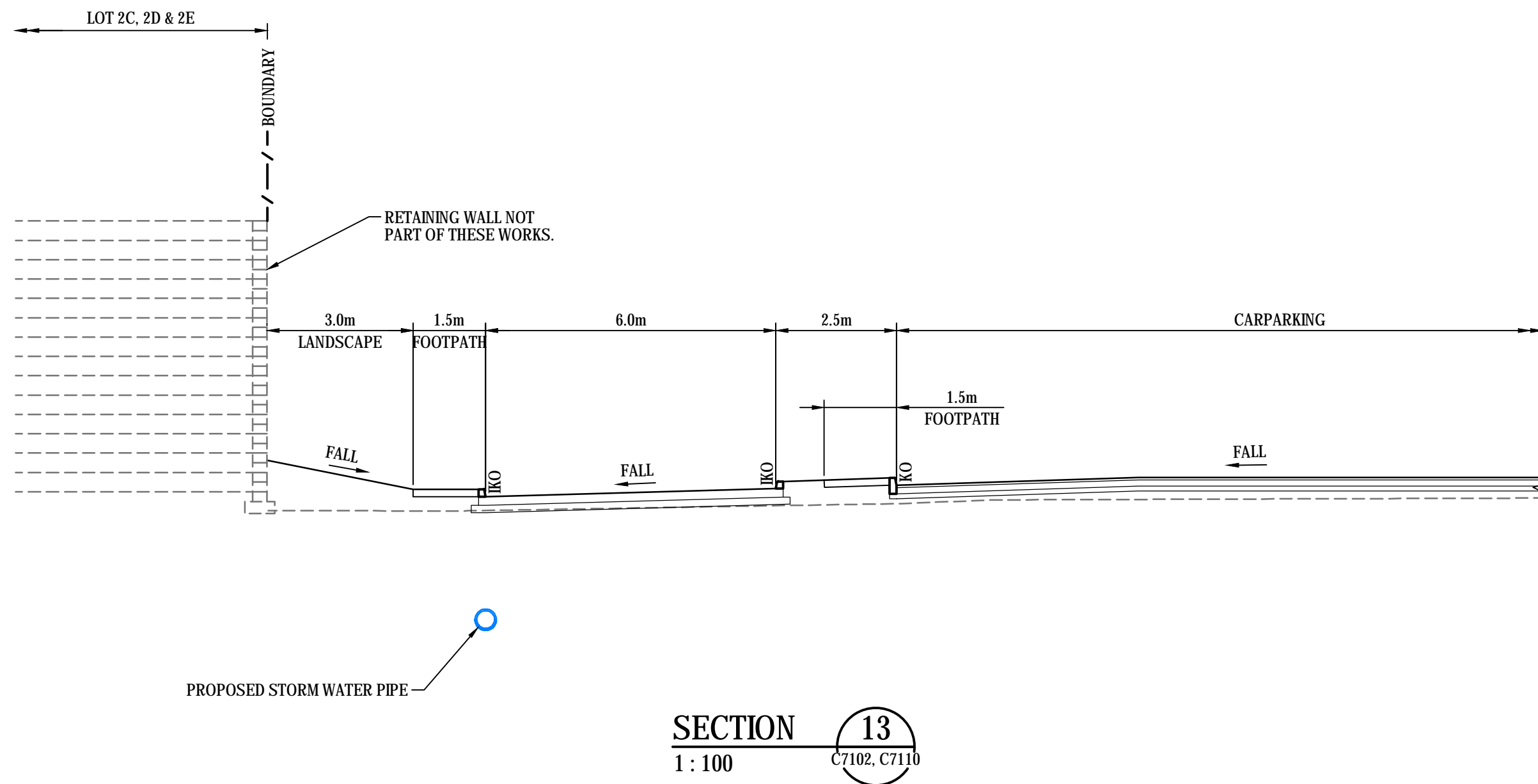
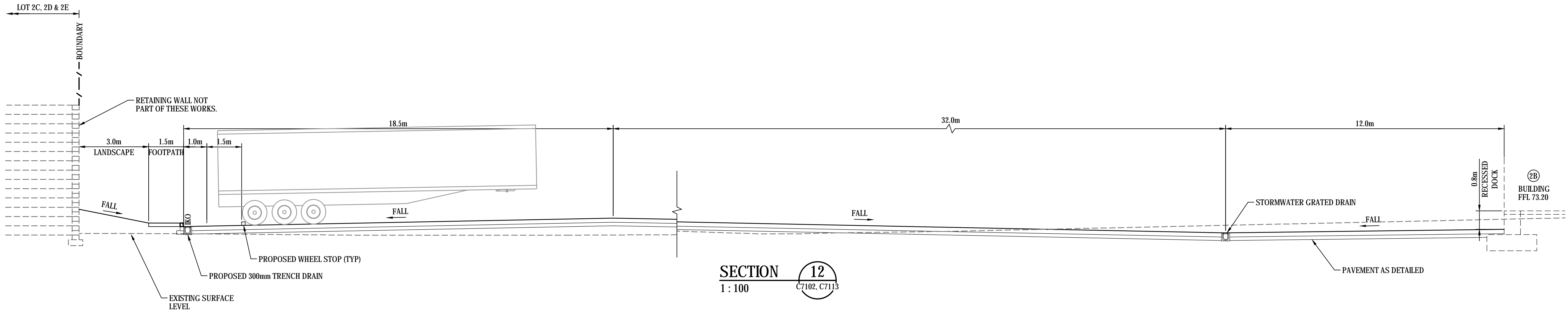
Project

PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST - LOT 2B

Title

TYPICAL SECTIONS
SHEET 4

Drawing No.	Project No.	Issue
15-272-C7106	15-272	C



Bar Scales

C	ISSUED FOR SSD APPROVAL MOD 3	13-01-20
B	ISSUED FOR INFORMATION	09-01-20
A	ISSUED FOR SSD APPROVAL MOD 3	06/12/19

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	MOD 3 APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

Scales	1 : 100	15-272-C7107.dwg	
		Drawn	JH
		Designed	GB
Height Datum	AHD	Checked	AM
Grid	MGA	Approved	AM

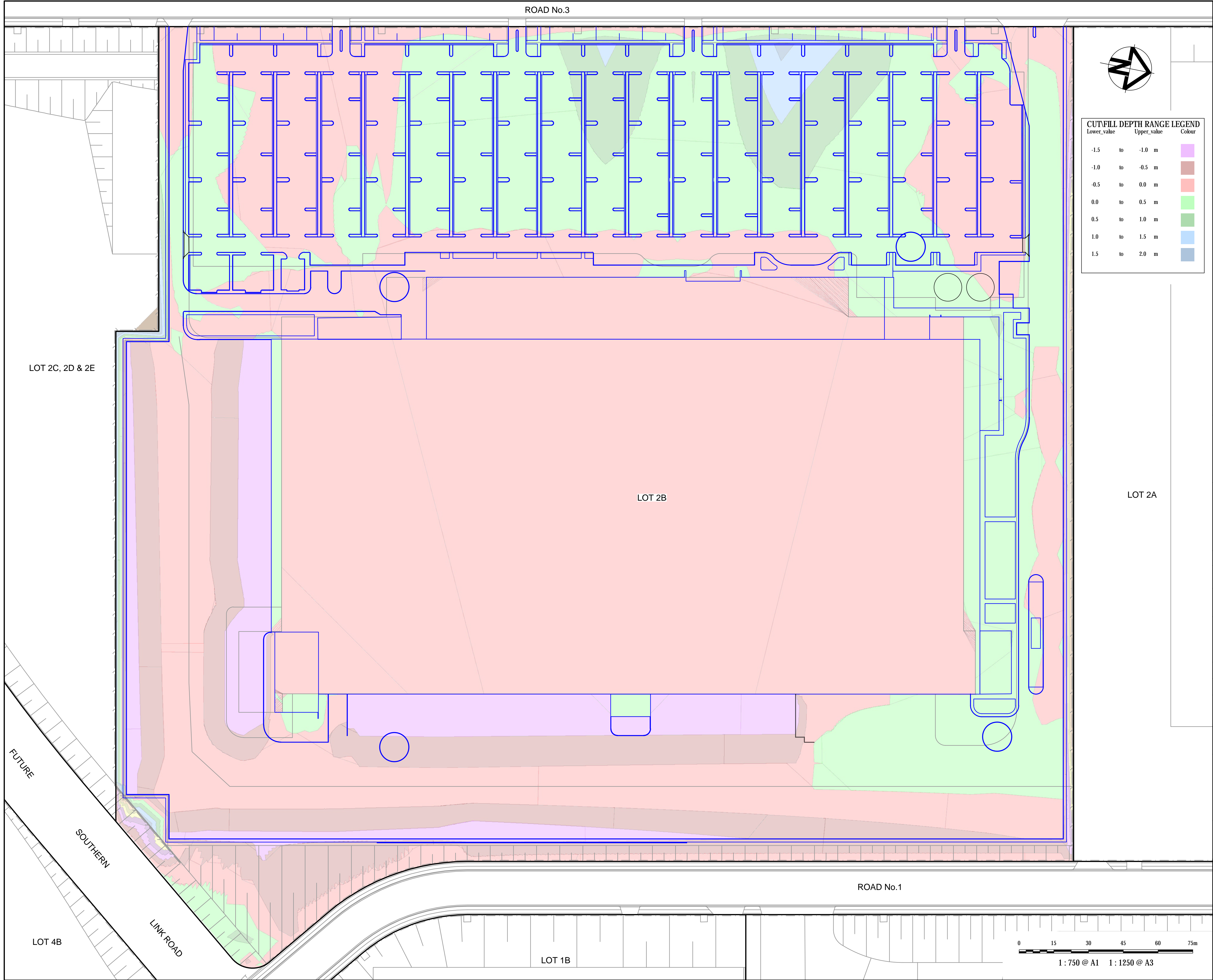


Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Project
**PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST - LOT 2B**

Title
**TYPICAL SECTIONS
SHEET 5**

Drawing No. 15-272-C7107	Project No. 15-272	Issue C
------------------------------------	------------------------------	-------------------



NET CUT (cu.m)	NET FILL (cu.m)	BALANCE (cu.m)
38,000	10,000	27,000 EXPORT

- NOTES**
1. THE ABOVE VOLUME ARE CALCULATED WITH THE ASSUMPTION THAT THE INFRASTRUCTURE WORKS ARE COMPLETED. REFER 1000 SERIES DRAWING PACKAGE FOR DETAILS.
 2. INFRASTRUCTURE EARTHWORKS ARE SUBJECT TO CHANGE TO REDUCE THE EXPORT AMOUNT. WAE SURVEY TO CONFIRM VOLUMES PRIOR TO DETAILED DESIGN.
 3. NO ALLOWANCE FOR RETAINING WALL BACKFILL MATERIAL.
 4. 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

Bar Scales

Issue	Description	Date
C	ISSUED FOR SSD APPROVAL MOD 3	13-01-20
B	ISSUED FOR INFORMATION	09-01-20
A	ISSUED FOR SSD APPROVAL MOD 3	06/12/19

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	MOD 3 APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

Scales	1 : 750	15-272-C7109.dwg	
		Drawn	JH
		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

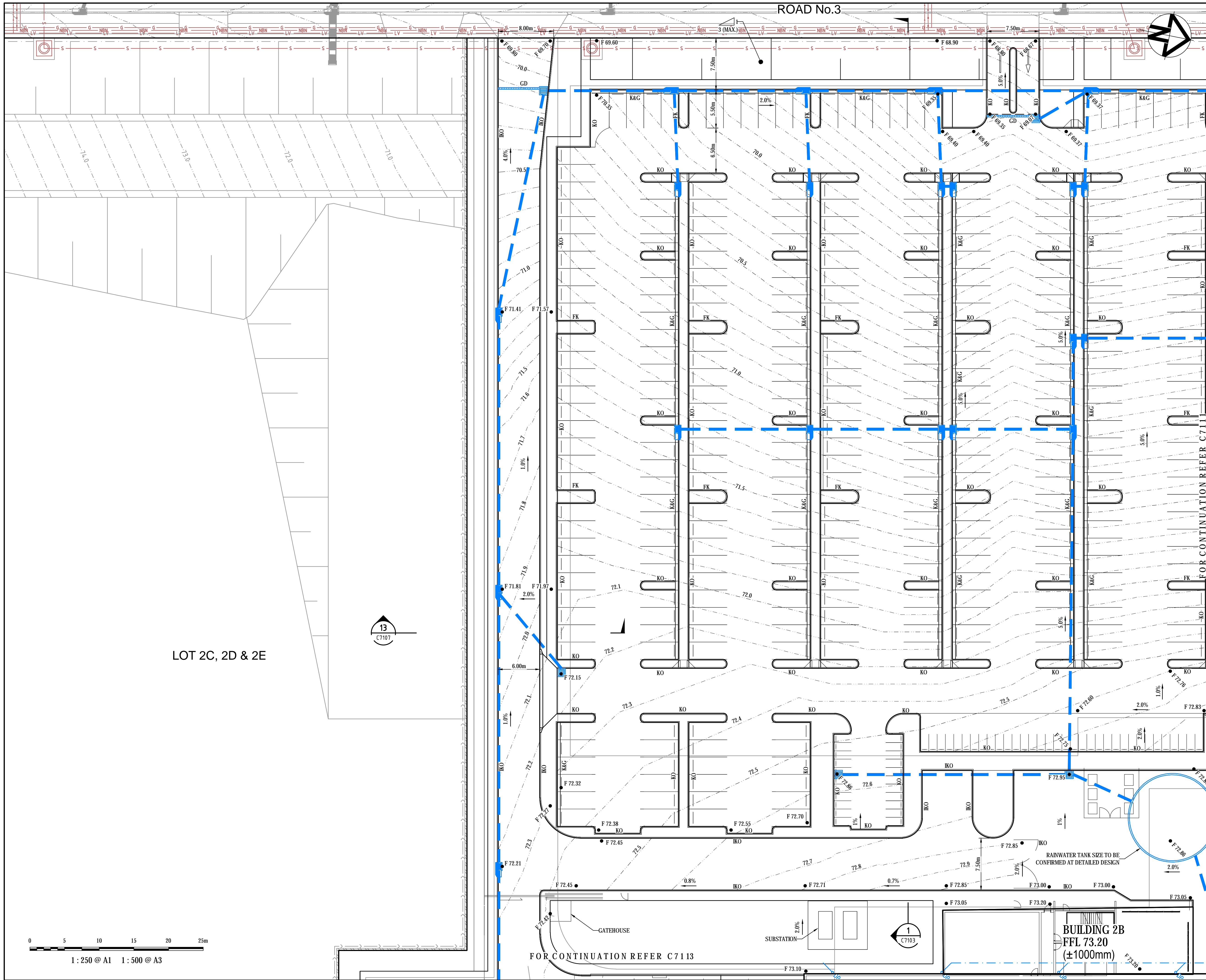
Project

**PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST - LOT 2B**

Title

BULK EARTHWORKS PLAN

Drawing No.	Project No.	Issue
15-272-C7109	15-272	C



KEYPLAN

LEGEND

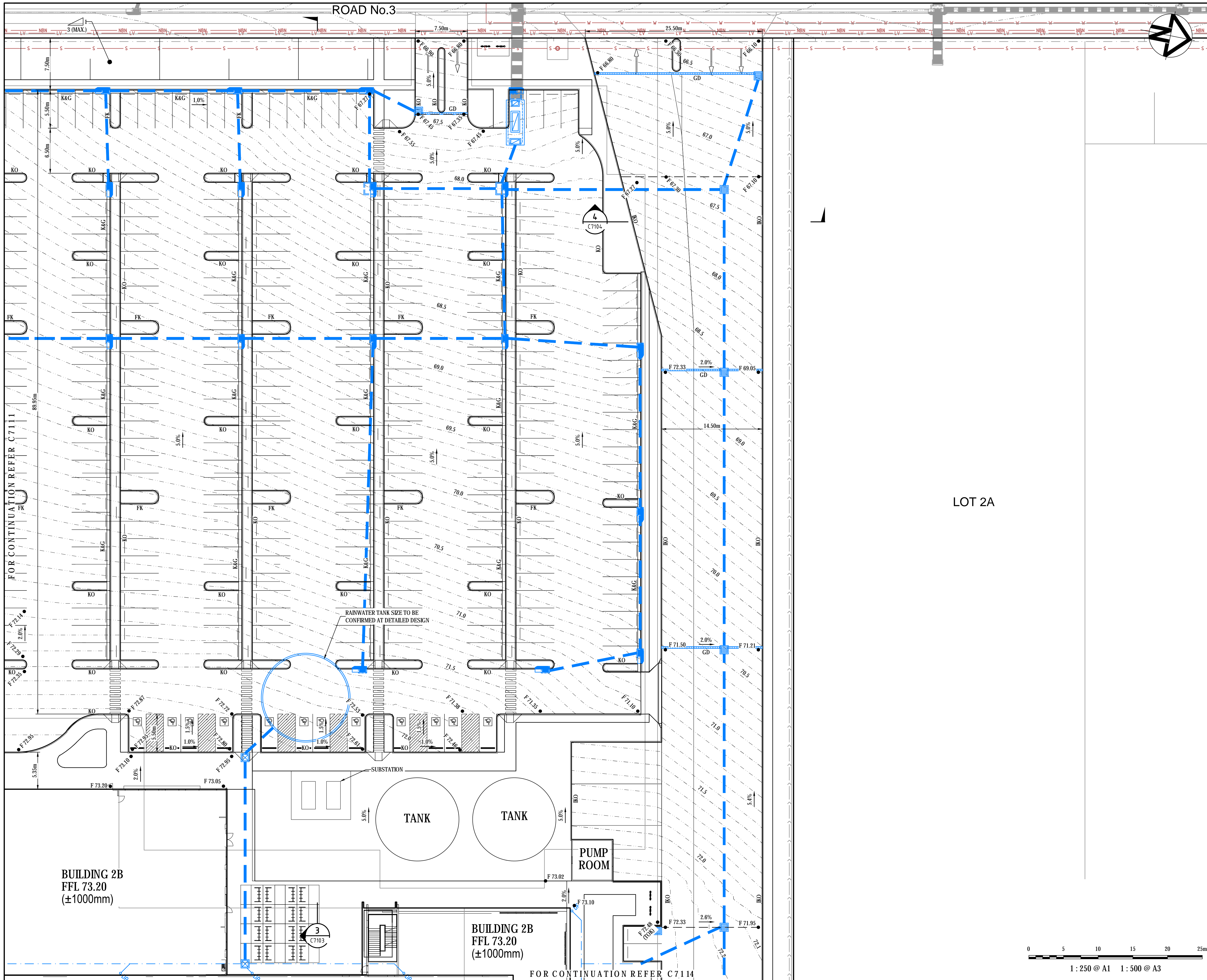
- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- 65.0
- PROPOSED CONTOUR
- K&G
- KERB AND GUTTER
- KO
- KERB ONLY
- IKO
- INTEGRAL KERB ONLY
- FK
- FLUSH KERB
- F74.00
- FINISHED SURFACE LEVEL
- Q375
- STORMWATER PIPE WITH SIZE
- STORMWATER OVERLAND FLOWPATH
- GD
- STORMWATER GRATED DRAIN
- KERB INLET PIT
- SURFACE INLET PIT
- JUNCTION PIT
- GUARDRAIL SAFETY BARRIER
- EXISTING STORMWATER PIPE
- S
- EXISTING SEWER MAIN
- W
- EXISTING WATER MAIN
- NBN
- EXISTING NBN
- LV/HV
- EXISTING ELECTRICAL
- G
- EXISTING GAS MAIN

Bar Scales

Issue	Description	Date
C	ISSUED FOR SSD APPROVAL MOD 3	13-01-20
B	ISSUED FOR INFORMATION	09-01-20
A	ISSUED FOR SSD APPROVAL MOD 3	06/12/19

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	MOD 3 APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Scales	1 : 250	15-272-C7110.dwg
Height Datum	AHD	Checked AM
Grid	MGA	Approved AM
Client		
Civil Engineers and Project Managers		
Project	PROPOSED INDUSTRIAL DEVELOPMENT OAKDALE WEST - LOT 2B	
Title	SITeworks AND STORMwater DRAINAGE PLAN SHEET 1	
Drawing No.	Project No.	Issue
15-272-C7110	15-272	C



KEYPLAN

LEGEND

- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- PROPOSED CONTOUR
- K&G KERB AND GUTTER
- KO KERB ONLY
- IKO INTEGRAL KERB ONLY
- FK FLUSH KERB
- FINISHED SURFACE LEVEL
- STORMWATER PIPE WITH SIZE
- STORMWATER OVERLAND FLOWPATH
- STORMWATER GRATED DRAIN
- KERB INLET PIT
- SURFACE INLET PIT
- JUNCTION PIT
- GUARDRAIL SAFETY BARRIER
- EXISTING STORMWATER PIPE
- EXISTING SEWER MAIN
- EXISTING WATER MAIN
- EXISTING NBN
- EXISTING ELECTRICAL
- EXISTING GAS MAIN

Bar Scales

Issue	Description	Date
C	ISSUED FOR SSD APPROVAL MOD 3	13-01-20
B	ISSUED FOR INFORMATION	09-01-20
A	ISSUED FOR SSD APPROVAL MOD 3	06/12/19

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	MOD 3 APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

Scales	1 : 250	15-272-C7112.dwg
Drawn	JH	
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

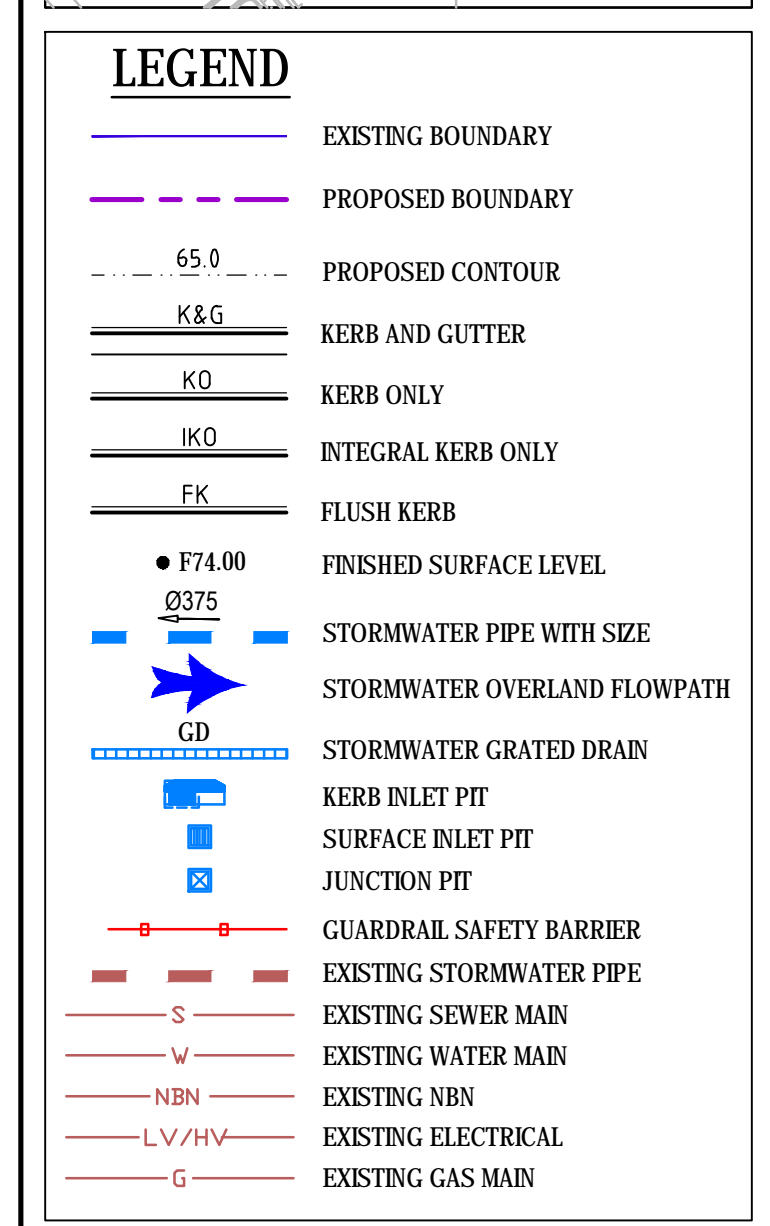
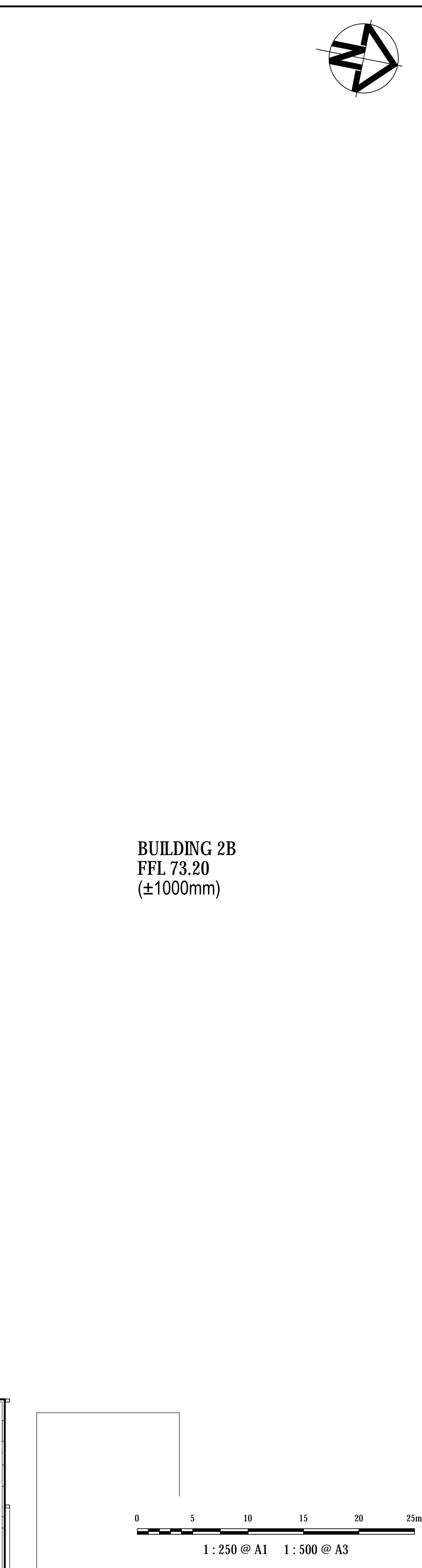
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST - LOT 2B

Title

SITWORKS AND STORMWATER DRAINAGE PLAN
SHEET 3

Drawing No.	Project No.	Issue
15-272-C7112	15-272	C

Date Plotted: 13 Jan 2020 - 05:27PM File Name: F:\15-272 Oakdale West\Orgs\Civil\Final\SSDA\7000_On-Lot Works Packages\7100_L01-2B\15-272-C7112.dwg V1



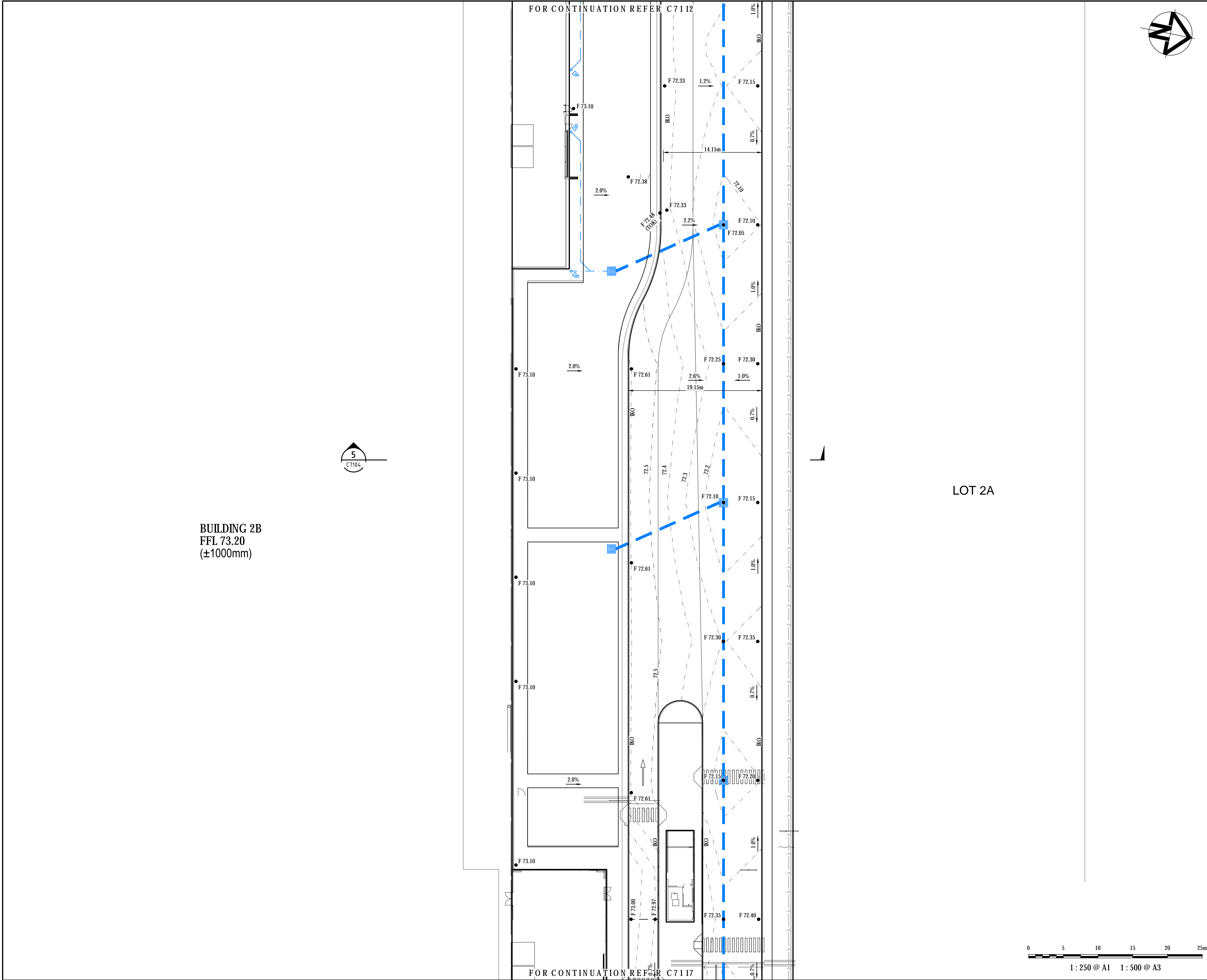
C	ISSUED FOR SSD APPROVAL MOD 3	13-01-20
B	ISSUED FOR INFORMATION	09-01-20
A	ISSUED FOR SSD APPROVAL MOD 3	06/12/19
Issue	Description	Date

Status	MOD 3 APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
--------	---	----

Project

PROPOSED INDUSTRIAL
DEVELOPMENT
OAKDALE WEST - LOT 2B

Drawing No.	Project No.	Issue
15-272-C7113	15-272	C



KEYPLAN

LEGEND

- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- 65.0 PROPOSED CONTOUR
- K&G KERB AND GUTTER
- KO KERB ONLY
- IKO INTEGRAL KERB ONLY
- FK FLUSH KERB
- F74.00 FINISHED SURFACE LEVEL
- Q375 STORMWATER PIPE WITH SIZE
- GD STORMWATER OVERLAND FLOWPATH
- STORMWATER GRATED DRAIN
- KERB INLET PIT
- SURFACE INLET PIT
- JUNCTION PIT
- GUARDRAIL SAFETY BARRIER
- EXISTING STORMWATER PIPE
- S EXISTING SEWER MAIN
- W EXISTING WATER MAIN
- NBN EXISTING NBN
- L V/HV EXISTING ELECTRICAL
- G EXISTING GAS MAIN

Bar Scales

C	ISSUED FOR SSD APPROVAL MOD 3	13-01-20
B	ISSUED FOR INFORMATION	09-01-20
A	ISSUED FOR SSD APPROVAL MOD 3	06/12/19

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	MOD 3 APPROVAL		A1
NOT TO BE USED FOR CONSTRUCTION			

Scales	1 : 250	15-272-C7114.dwg	
		Drawn	JH
		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

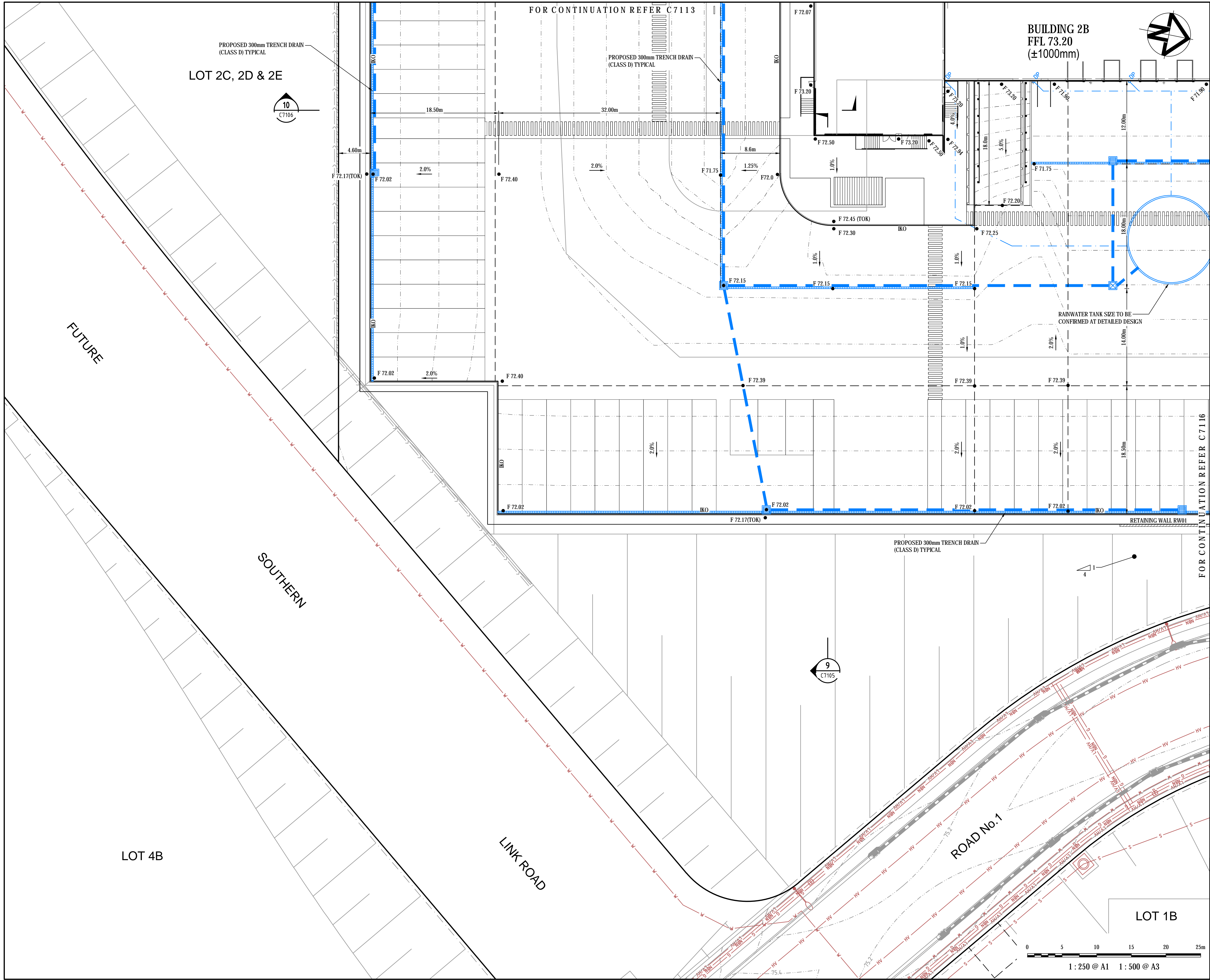
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST - LOT 2B

Title

SITEWORKS AND STORMWATER DRAINAGE PLAN
SHEET 5

Drawing No.	Project No.	Issue
15-272-C7114	15-272	C

Date Plotted: 13 Jan 2020 - 05:28PM File Name: F:\15-272 Oakdale West\Draws\Civil\Final\SSDA\7000_On-Lot Works Packages\7100_LOT-2B\15-272-C7114.dwg V1



KEYPLAN

LEGEND

- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- PROPOSED CONTOUR
- K&G KERB AND GUTTER
- KO KERB ONLY
- IKO INTEGRAL KERB ONLY
- FK FLUSH KERB
- F74.00 FINISHED SURFACE LEVEL
- Q375 STORMWATER PIPE WITH SIZE
- STORMWATER OVERLAND FLOWPATH
- GD STORMWATER GRATED DRAIN
- KERB INLET PIT
- SURFACE INLET PIT
- JUNCTION PIT
- GUARDRAIL SAFETY BARRIER
- EXISTING STORMWATER PIPE
- S EXISTING SEWER MAIN
- W EXISTING WATER MAIN
- NBN EXISTING NBN
- LV/HV EXISTING ELECTRICAL
- G EXISTING GAS MAIN

Bar Scales

C	ISSUED FOR SSD APPROVAL MOD 3	13-01-20
B	ISSUED FOR INFORMATION	09-01-20
A	ISSUED FOR SSD APPROVAL MOD 3	06/12/19

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	MOD 3 APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

Scales	15-272-C7115.dwg	
1 : 250	Drawn	JH
	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

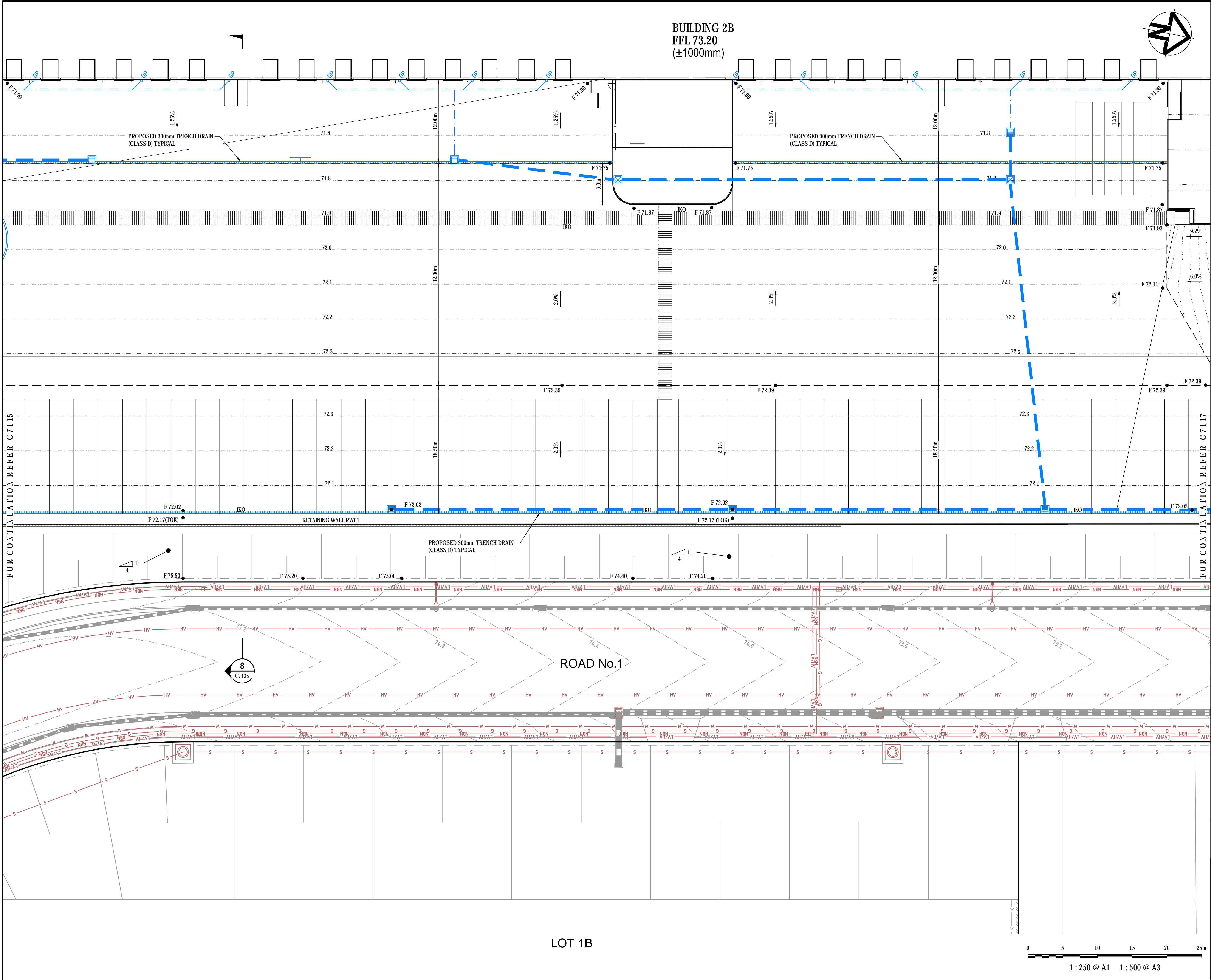
Project

**PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST - LOT 2B**

Title

**SITWORKS AND STORMWATER DRAINAGE PLAN
SHEET 6**

Drawing No.	Project No.	Issue
15-272-C7115	15-272	C



KEYPLAN

LEGEND

- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- PROPOSED CONTOUR
- K&G KERB AND GUTTER
- KO KERB ONLY
- IKO INTEGRAL KERB ONLY
- FK FLUSH KERB
- FINISHED SURFACE LEVEL
- STORMWATER PIPE WITH SIZE
- STORMWATER OVERLAND FLOWPATH
- STORMWATER GRATED DRAIN
- KERB INLET PIT
- SURFACE INLET PIT
- JUNCTION PIT
- GUARDRAIL SAFETY BARRIER
- EXISTING STORMWATER PIPE
- EXISTING SEWER MAIN
- EXISTING WATER MAIN
- EXISTING NBN
- EXISTING ELECTRICAL
- EXISTING GAS MAIN

Bar Scales

C	ISSUED FOR SSD APPROVAL MOD 3	13-01-20
B	ISSUED FOR INFORMATION	09-01-20
A	ISSUED FOR SSD APPROVAL MOD 3	06/12/19

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

MOD 3 APPROVAL

NOT TO BE USED FOR CONSTRUCTION

A1

Scales

1 : 250

15-272-C7116.dwg

Drawn	JH
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

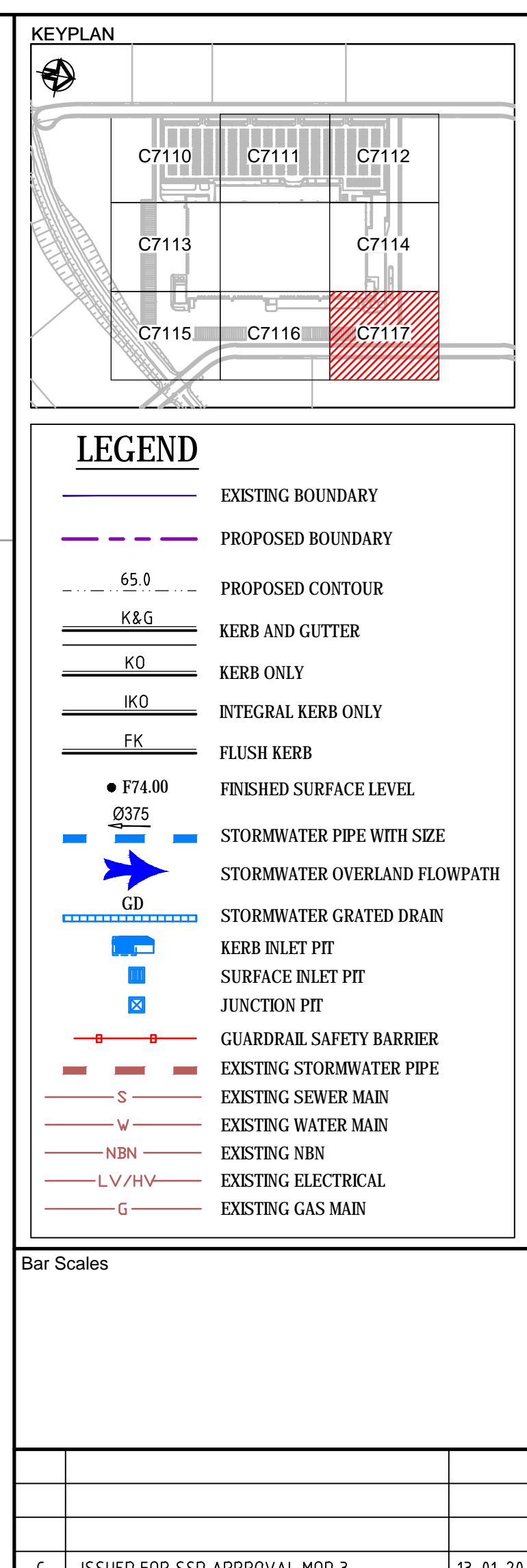
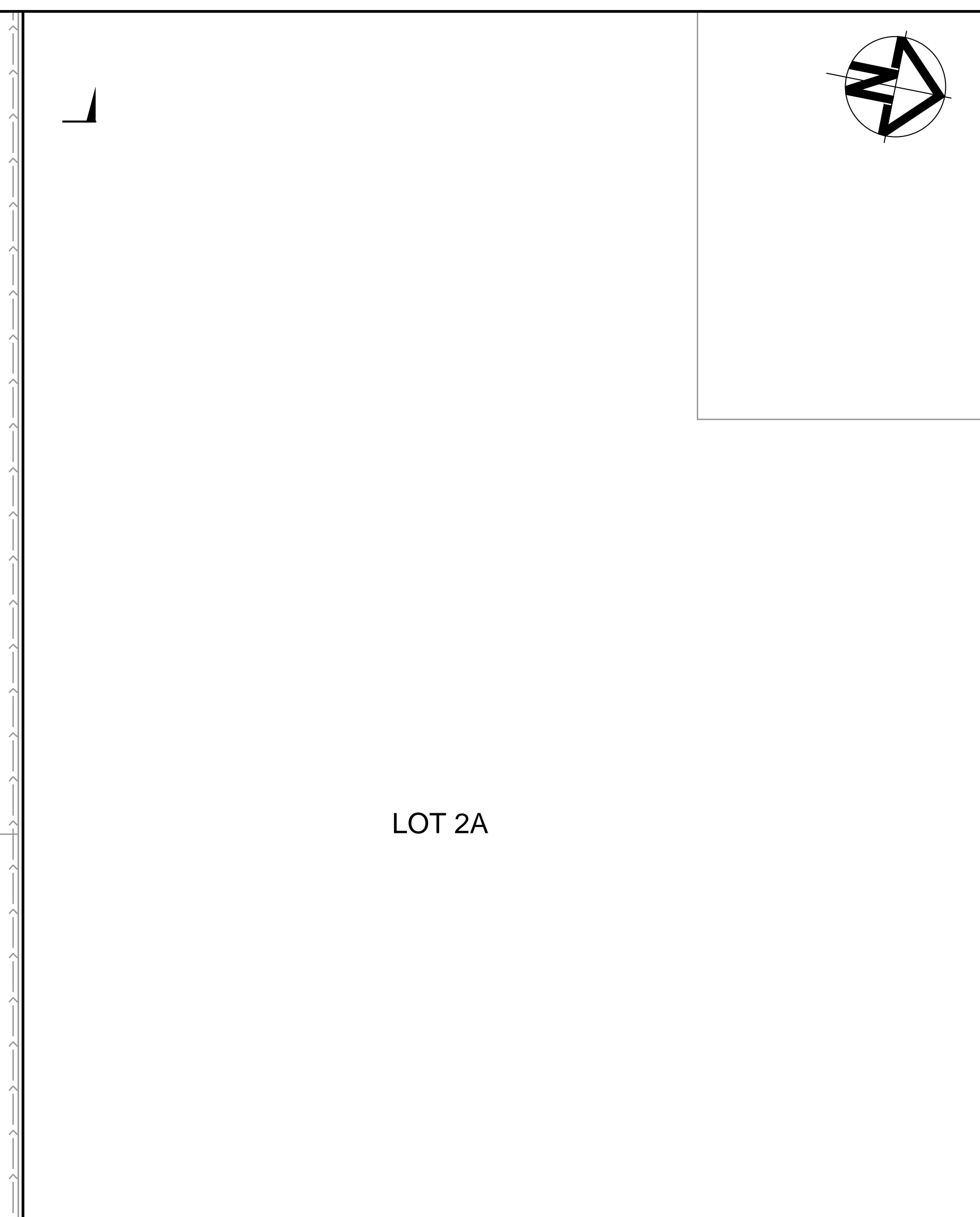
OAKDALE WEST - LOT 2B

Title

SITWORKS AND STORMWATER DRAINAGE PLAN

SHEET 7

Drawing No.	Project No.	Issue
15-272-C7116	15-272	C



Status		MOD 3 APPROVAL		A1	
NOT TO BE USED FOR CONSTRUCTION					
Scales	1 : 250	15-272-C7117.dwg			
		Drawn	JH		
		Designed	GB		
Height Datum	AHD	Checked	AM		
Grid	MGA	Approved	AM		

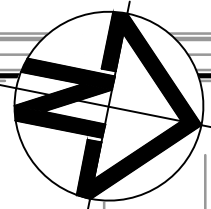
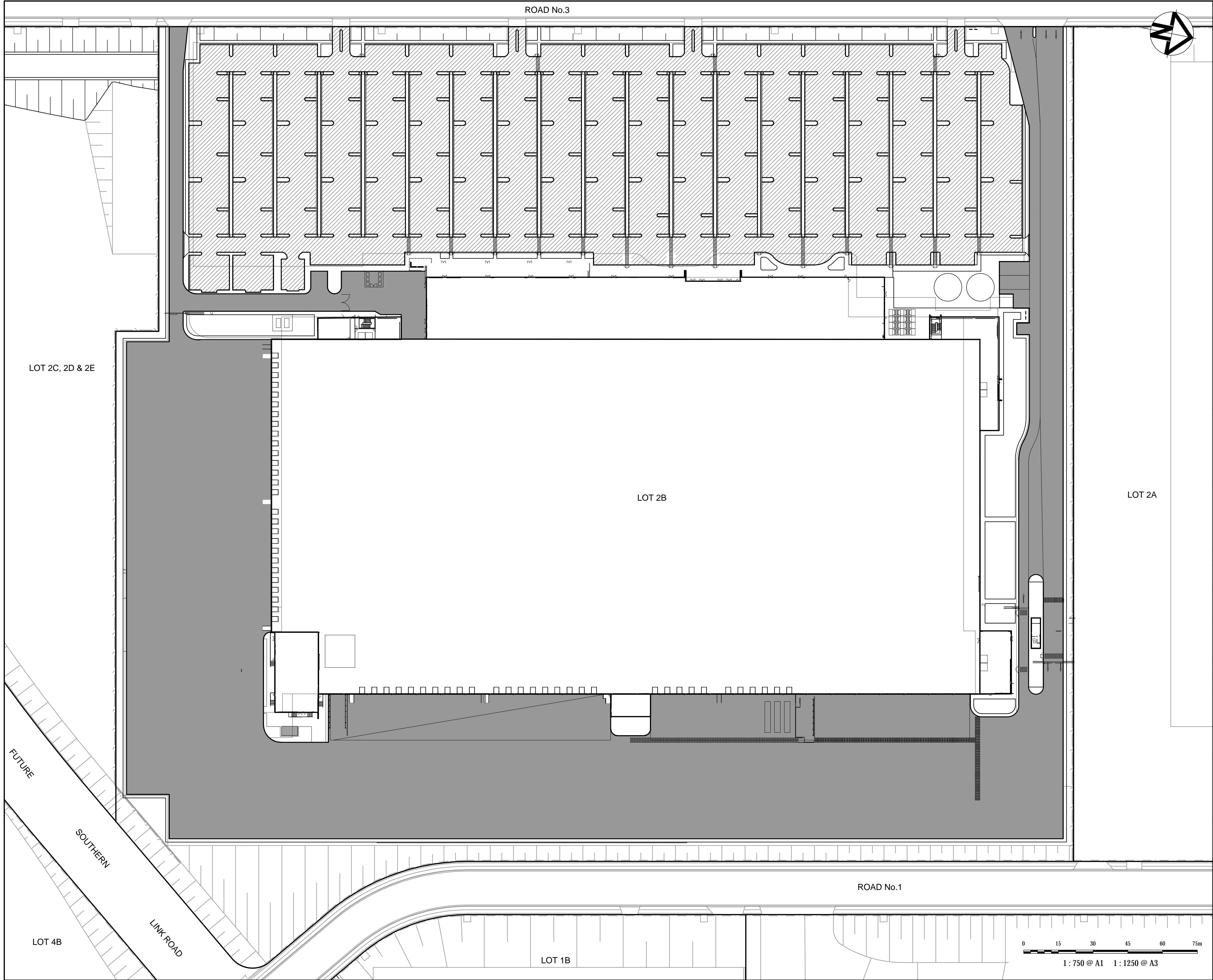
<p>Client</p>	
<p>Civil Engineers and Project Managers</p>	
	<p>Level 7, 153 Walker Street North Sydney NSW 2060 ABN 96 130 882 405 Tel: 02 9439 1777 Fax: 02 9923 1055 www.atl.net.au info@atl.net.au</p>

Project

PROPOSED INDUSTRIAL
DEVELOPMENT
OAKDALE WEST - LOT 2B

Title	<p style="text-align: center;"> SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 8 </p>
-------	--

Drawing No. 15-272-C7117	Project No. 15-272	Issue C
-----------------------------	-----------------------	------------



LEGEND

- HEAVY DUTY RIGID PAVEMENT
- LIGHT DUTY FLEXIBLE PAVEMENT

Bar Scales

C	ISSUED FOR SSD APPROVAL MOD 3	13-01-20
B	ISSUED FOR INFORMATION	09-01-20
A	ISSUED FOR SSD APPROVAL MOD 3	06/12/19

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	MOD 3 APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		

Scales	1 : 750	15-272-C7118.dwg	
		Drawn	JH
		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

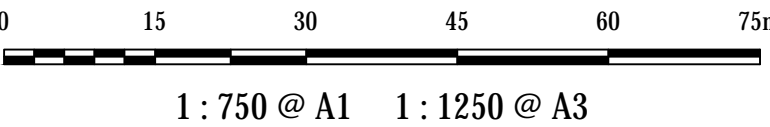
Project

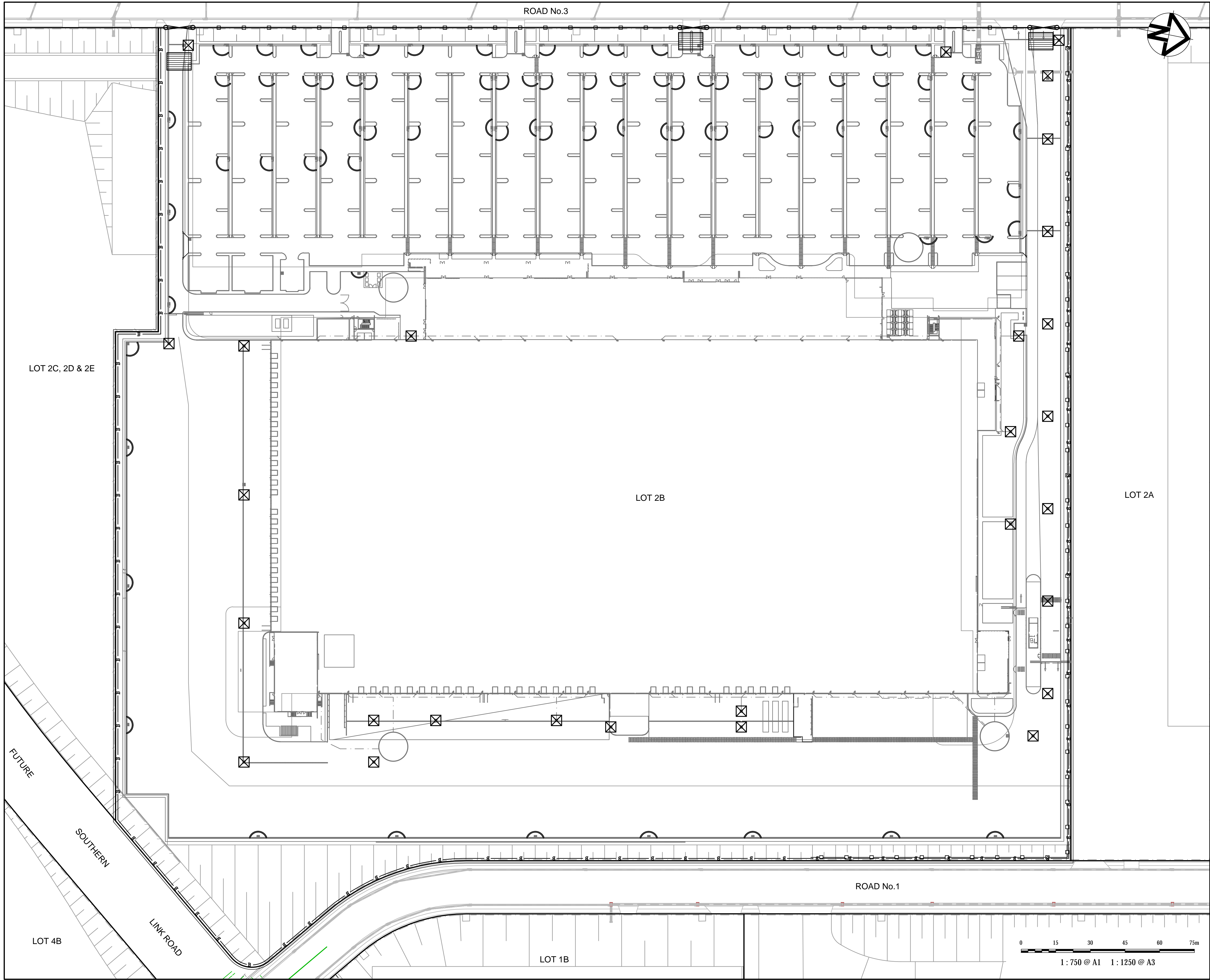
PROPOSED INDUSTRIAL DEVELOPMENT
OAKDALE WEST - LOT 2B

Title

PAVEMENT PLAN

Drawing No.	Project No.	Issue
15-272-C7118	15-272	C





LEGEND

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

Bar Scales

C	ISSUED FOR SSD APPROVAL MOD 3	13-01-20
B	ISSUED FOR INFORMATION	09-01-20
A	ISSUED FOR SSD APPROVAL MOD 3	06/12/19

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	MOD 3 APPROVAL		A1
NOT TO BE USED FOR CONSTRUCTION			

Scales	15-272-C7119.dwg		
1 : 750	Drawn	JH	
	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 - LOT 2B		

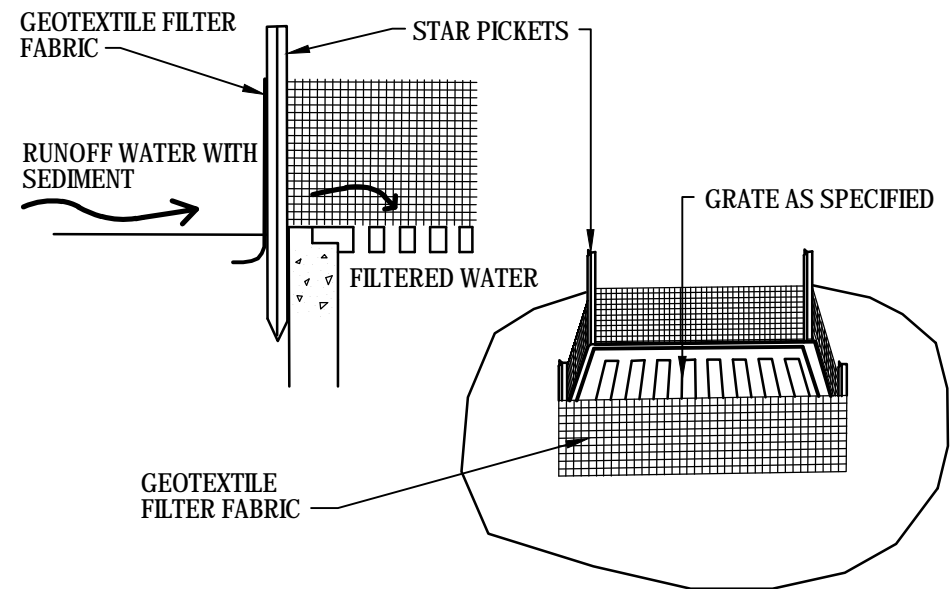
Title		
EROSION AND SEDIMENT CONTROL PLAN		

Drawing No.	Project No.	Issue
15-272-C7119	15-272	C

100mm on Original

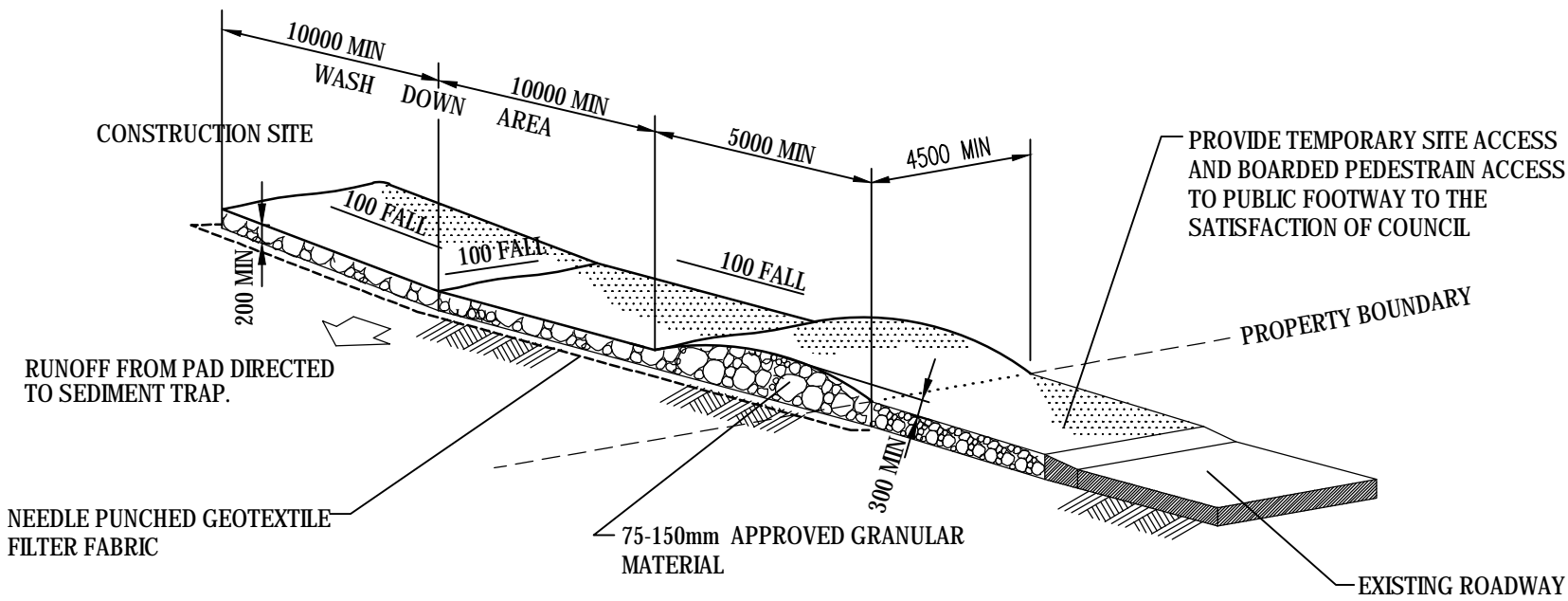
Date Plotted: 13 Jan 2020 - 05:31PM File Name: F:\15-272 Oakdale West\Drags\Civil\Final\SSDA\7000_On-Lot Works Packages\7100_LOT-2B\15-272-C7119.dwg

V1



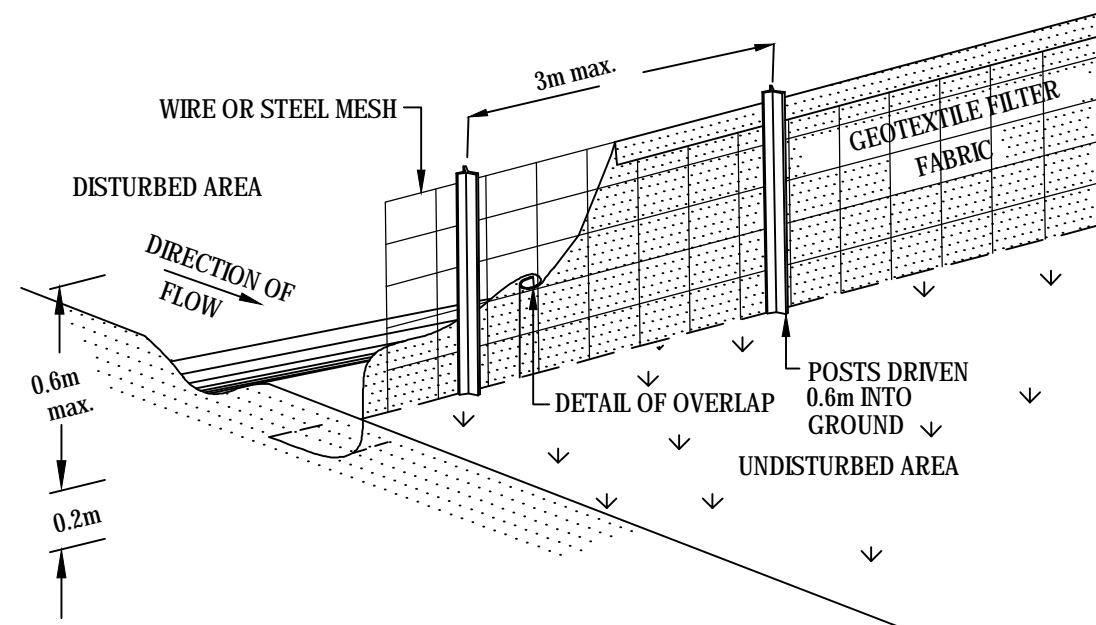
GEOTEXTILE FILTER PIT SURROUND

NTS



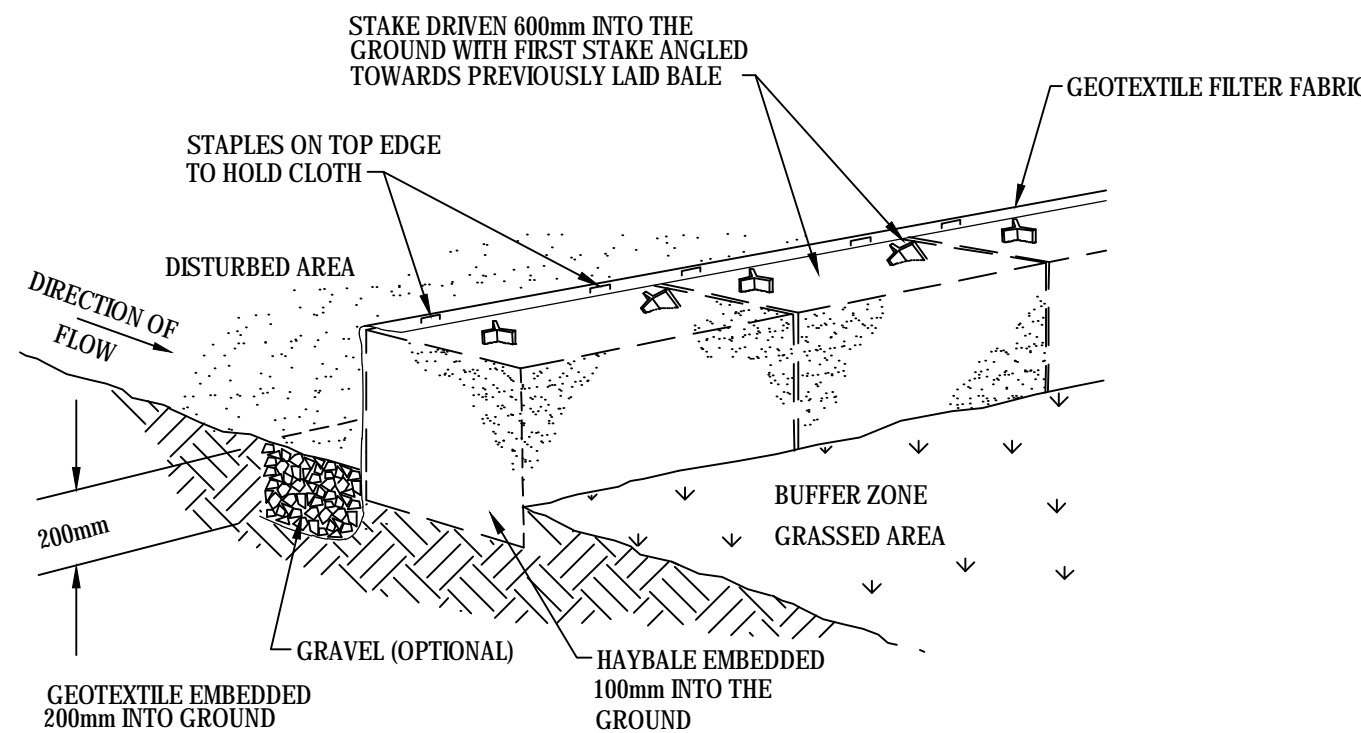
STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA

NTS



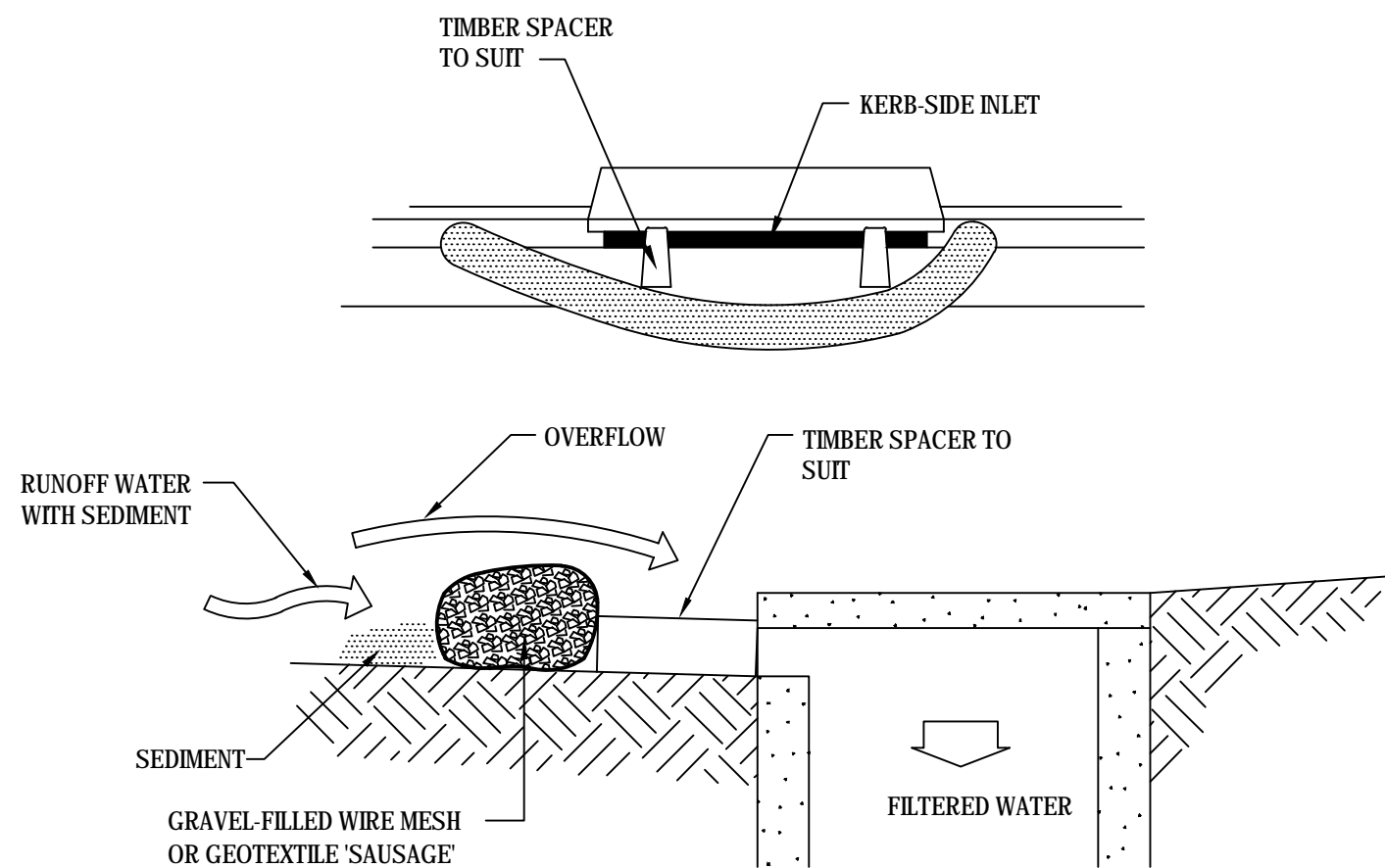
SEDIMENT FENCE

NTS



HAYBALE AND GEOTEXTILE SEDIMENT FILTER

NTS



MESH AND GRAVEL INLET FILTER

NTS

Bar Scales

C	ISSUED FOR SSD APPROVAL MOD 3	13-01-20
B	ISSUED FOR INFORMATION	09-01-20
A	ISSUED FOR SSD APPROVAL MOD 3	06/12/19
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	MOD 3 APPROVAL	A1
	NOT TO BE USED FOR CONSTRUCTION	

Scales	1 : 250	15-272-C7120.dwg
	Drawn	JH
	Designed	GB
Height Datum	AHD	Checked
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 - LOT 2B

Title
EROSION AND SEDIMENT DETAILS

Drawing No.	Project No.	Issue
15-272-C7120	15-272	C