

OAKDALE SOUTH ESTATE

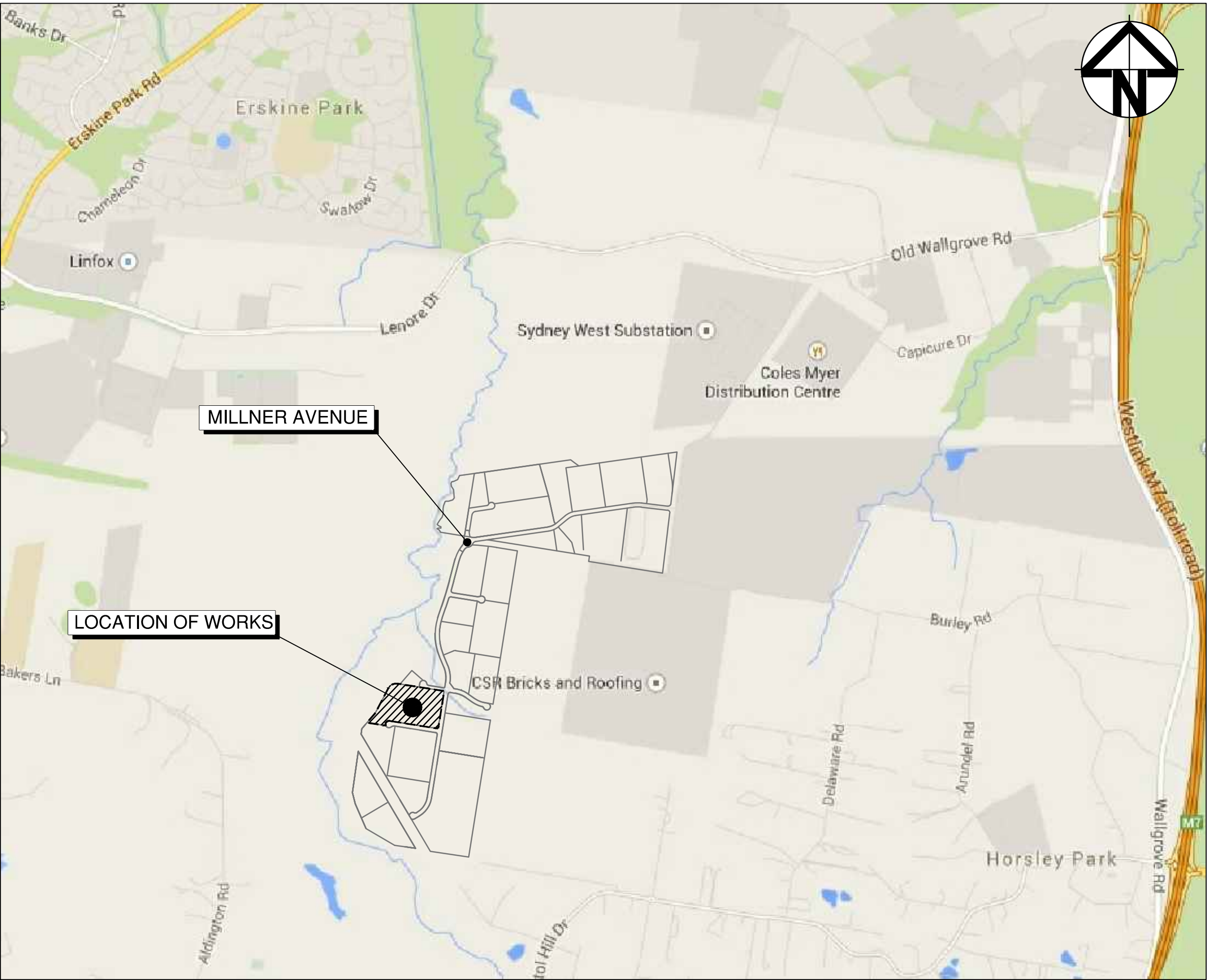
LOT 3A - SIGMA

CIVIL WORKS PACKAGE

DEVELOPMENT APPLICATION

DRAWING LIST

DWG NO.	DRAWING TITLE
16-379-DAC001	COVER SHEET AND LOCALITY PLAN
16-379-DAC002	GENERAL NOTES
16-379-DAC005	GENERAL ARRANGEMENT PLAN
16-379-DAC006	TYPICAL SECTIONS
16-379-DAC010	SITWORKS AND STORMWATER DRAINAGE PLAN SHEET 1
16-379-DAC011	SITWORKS AND STORMWATER DRAINAGE PLAN SHEET 2
16-379-DAC012	SITWORKS AND STORMWATER DRAINAGE PLAN SHEET 3
16-379-DAC013	SITWORKS AND STORMWATER DRAINAGE PLAN SHEET 4
16-379-DAC020	SITWORKS DETAILS
16-379-DAC025	STORMWATER DRAINAGE DETAILS
16-379-DAC026	STORMWATER DRAINAGE CATCHMENT PLAN
16-379-DAC030	BULK EARTHWORKS CUT/FILL PLAN
16-379-DAC031	PAVEMENT PLAN
16-379-DAC032	EROSION AND SEDIMENTATION CONTROL PLAN
16-379-DAC033	EROSION AND SEDIMENTATION DETAILS



LOCALITY PLAN
NTS

		Bar Scales	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	Client 	Scales		Drawn	FX	Project OAKDALE SOUTH ESTATE - LOT 3A SIGMA	Civil Engineers and Project Managers			
					Designed	FX	 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	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					
					Grid	MGA				Checked	MM		
					Height Datum	AHD				Approved			
								Title COVER SHEET AND LOCALITY PLAN	Status FOR APPROVAL		A1		
									NOT TO BE USED FOR CONSTRUCTION				
									Project - Drawing No. 16-388-DAC001				
B	ISSUED FOR DA APPROVAL				30-08-16								
A	ISSUED FOR DA APPROVAL				18-08-16								
Issue					Description		Date						

KERBING NOTES

1. ALL CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 25 MPa U.N.O.
2. ALL KERBS, GUTTERS, DISH DRAINS AND CROSSINGS TO BE CONSTRUCTED ON 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 600mm 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.

PROPOSED WORKS LEGEND

PROPOSED

- F62.25 FINISHED SURFACE LEVEL
- E70.15 EXISTING SURFACE LEVEL
- 60.0 PROPOSED CONTOUR
- K&G KERB AND GUTTER
- IK INTEGRAL KERB
- KO KERB ONLY
- A1 STORMWATER PIT, LINE & NUMBER
- EXISTING STORMWATER LINE
- BATTER SLOPE
- RETAINING WALL
- FENCE LINE
- GRASS V-DRAINS

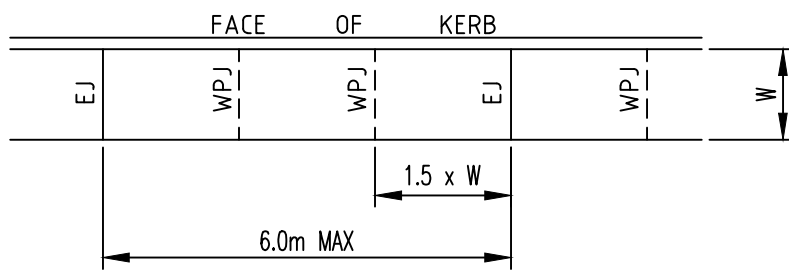
SITEWORKS NOTES

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 PAVEMENT'S 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 RMS SPECIFICATION R16.
8. ALL BASECOURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH R.T.A. FORM 3051 (UNBOUND), R.T.A. 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 RMS 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 RMS 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 THIS SHALL BE CLEARLY INDICATED IN THEIR TENDER AND 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.

JOINTING NOTES

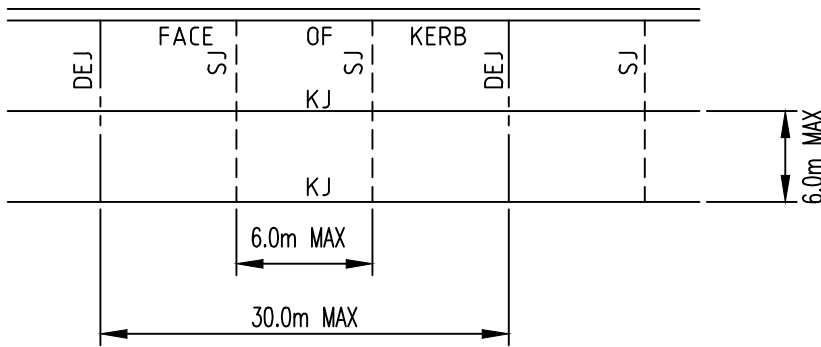
PEDESTRIAN PAVEMENT JOINTS

1. ALL PEDESTRIAN PAVEMENTS ARE TO BE JOINTED AS FOLLOWS. (U.N.O)
2. EXPANSION JOINTS ARE TO BE LOCATED WHERE POSSIBLE AT TANGENT POINTS OF CURVES AND ELSEWHERE AT MAX. 6.0m CENTRES.
3. WEAKENED PLANE JOINTS ARE TO BE LOCATED AT A MAX. SPACING OF 15 x WIDTH OF THE PAVEMENT.
4. WHERE POSSIBLE JOINTS SHOULD BE LOCATED TO MATCH KERBING AND OR ADJACENT PAVEMENT JOINTS.
5. PEDESTRIAN PAVEMENT JOINT DETAIL.



VEHICULAR PAVEMENT JOINTS

6. ALL VEHICULAR PAVEMENTS TO BE JOINTED AS FOLLOWS. (U.N.O)
6. ALL VEHICULAR PAVEMENTS TO BE JOINTED AS SHOWN ON DRAWINGS.
7. KEYED CONSTRUCTION JOINTS SHOULD GENERALLY BE LOCATED AT A MAX OF 6.0m CENTRES
8. SAWN JOINTS SHOULD GENERALLY BE LOCATED AT A MAX OF 6.0m CENTRES WITH DOWELED EXPANSION JOINTS AT MAX 30.0m CENTRES
9. VEHICULAR PAVEMENT JOINT DETAIL.



STORMWATER DRAINAGE NOTES

1. STORMWATER DESIGN CRITERIA:
(A) AVERAGE RECURRENCE INTERVAL:
1:100 YEARS ROOFED AREAS TO SURCHARGE PIT
1:20 YEARS EXTERNAL PAVEMENTS
(B) RAINFALL INTENSITIES:
TIME OF CONCENTRATION 5 MINUTES
1:100 YEARS= 220 mm/hr
1:20 YEARS= 167 mm/hr
(C) RUNOFF COEFFICIENTS:
ROOF AREAS: C₁₀₀ ±10
EXTERNAL PAVEMENTS: C₂₀ ±10
2. PIPES 300 DIA. AND LARGER TO BE REINFORCED CONCRETE CLASS '3' 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.
5. ALL STORMWATER DRAINAGE LINES UNDER PROPOSED CONCRETE 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 (1998) IN ALL CASES BACKFILL TRENCH WITH SAND TO 300mm ABOVE PIPE. WHERE PIPE IS UNDER PAVEMENT'S 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.

BULK EARTHWORKS NOTES

1. ORIGIN OF LEVELS: REFER SURVEY NOTES
2. STRIP ALL TOPSOIL/ORGANIC MATERIAL FROM CONSTRUCTION AREA AND REMOVE FROM SITE OR STOCK PILE AS DIRECTED BY SUPERINTENDENT.
3. EXCAVATED MATERIAL TO BE USED AS STRUCTURAL FILL PROVIDED THE PLACEMENT MOISTURE CONTENT OF THE MATERIAL IS +/- 2% OF THE OPTIMUM MOISTURE CONTENT.
4. COMPACT FILL AREAS AND SUBGRADE TO NOT LESS THAN:
LOCATION STANDARD DRY DENSITY (AS 1289 5.1.1)

UNDER BUILDING SLABS ON GROUND 98%
UNDER ROADS AND CARPARKS 98%
LANDSCAPED AREAS UNLESS NOTED OTHERWISE 98%

5. FOR NON COHESIVE MATERIAL, COMPACT TO 75% DENSITY INDEX.
6. BEFORE PLACING FILL, PROOF ROLL EXPOSED SUBGRADE WITH AN 8 TONNE (MIN) DEADWEIGHT SMOOTH DRUM VIBRATORY ROLLER TO DETECT THEN REMOVE SOFT SPOTS (AREAS WITH MORE THAN 2mm MOVEMENT UNDER ROLLER).
7. FREQUENCY OF COMPACTION TESTING SHALL BE NOT LESS THAN :-
(A) 1 TEST PER 200m² OF FILL PLACED PER 300 LAYER OF FILL.
(B) 3 TESTS PER VISIT
(C) 1 TEST PER 1000m² OF EXPOSED SUBGRADE
TESTING SHALL BE "LEVEL 1" TESTING IN ACCORDANCE WITH AS 3798 (1996).
8. FILLING TO BE PLACED AND COMPACTED IN MAXIMUM 150mm LAYERS
9. NO FILLING SHALL TAKE PLACE TO EXPOSE SUBGRADE UNTIL THE AREA HAS BEEN PROOF ROLLED IN THE PRESENCE OF AT & L AND APPROVAL GIVEN IN WRITING THAT FILLING CAN PROCEED.

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

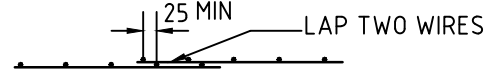


CONCRETE NOTES

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 KERBS, PATHS, AND PITS	32 25	60 80	20 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.T.A. 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:



SURVEY NOTES

- THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAS BEEN COMPILED VIA WAE 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.
- PRIOR TO THE COMMENCEMENT OF THE WORKS, THE CONTRACTOR IS TO CONFIRM THE ALIGNMENT AND LEVELS OF ALL EXISTING SERVICES AT ALL LOCATIONS WHERE THE PROPOSED SERVICES ARE TO CROSS, CONNECT TO, OR ARE LOCATED IN CLOSE PROXIMITY TO THE EXISTING SERVICES

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

B	ISSUED FOR DA APPROVAL	30-08-16
A	ISSUED FOR DA APPROVAL	18-08-16
Issue	Description	Date

Bar Scales

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	Drawn	FX
	Designed	FX
Grid	Checked	MM
Height Datum	Approved	

Project
**OAKDALE SOUTH
ESTATE - LOT 3A
SIGMA**

Title
GENERAL NOTES

Civil Engineers and Project Managers

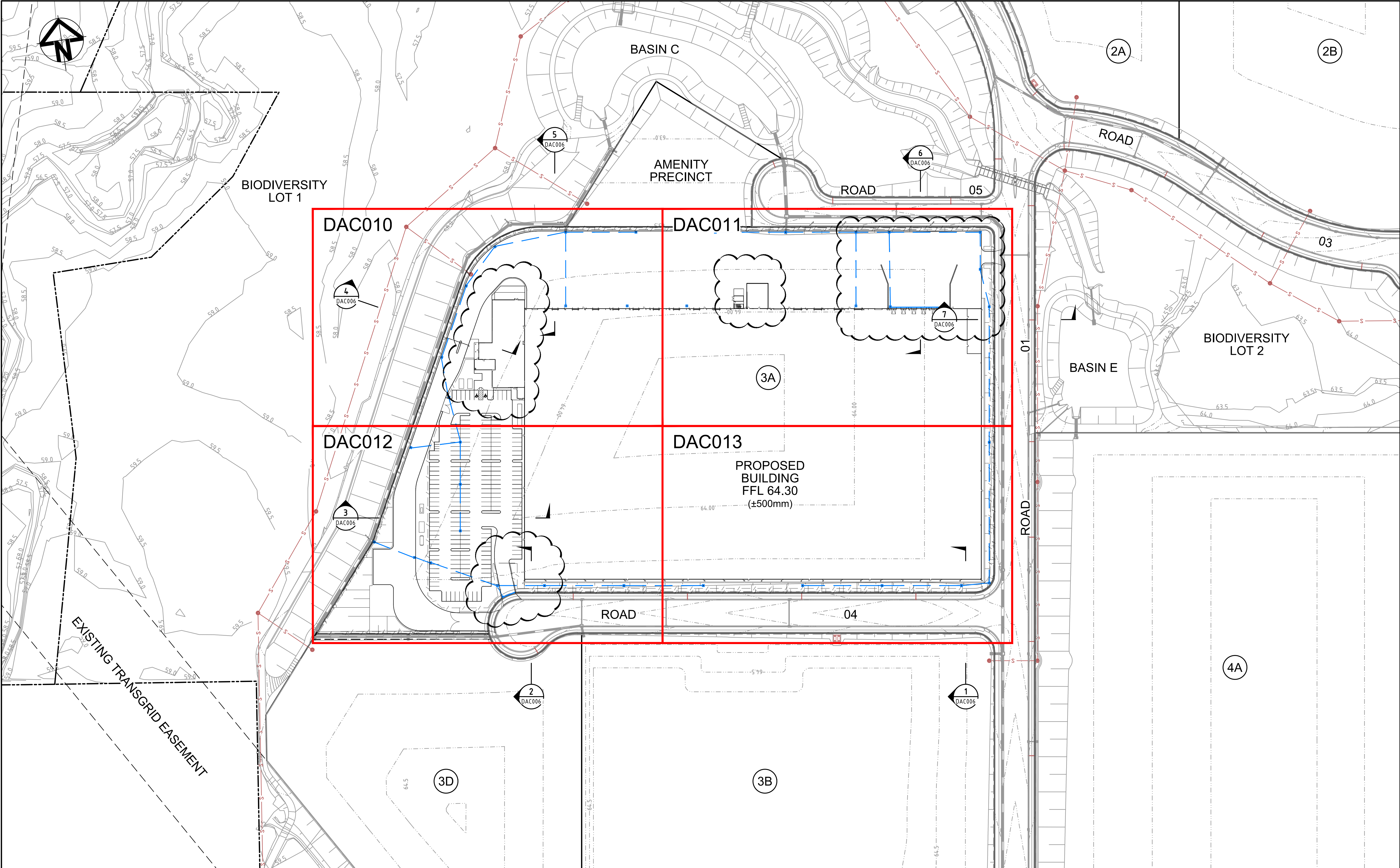
at&I

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

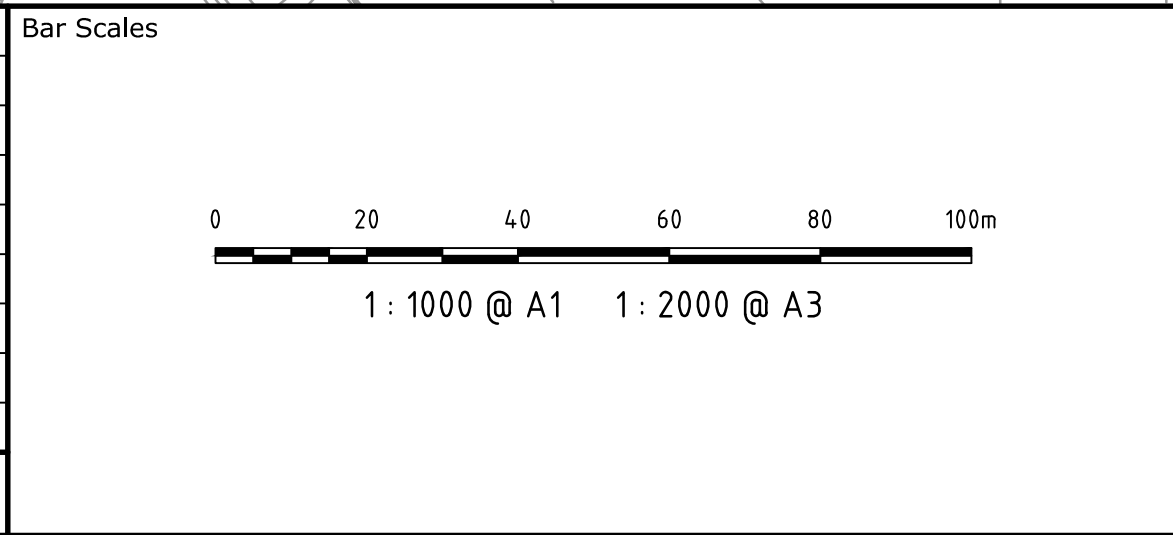
Status
**FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION**

Project - Drawing No.
16-388-DAC002

Issue
B



Issue	Description	Date
D	ISSUED FOR SECTION 96 APPROVAL	27-11-17
C	ISSUED FOR DA APPROVAL	30-08-16
B	ISSUED FOR DA APPROVAL	30-08-16
A	ISSUED FOR DA APPROVAL	18-08-16



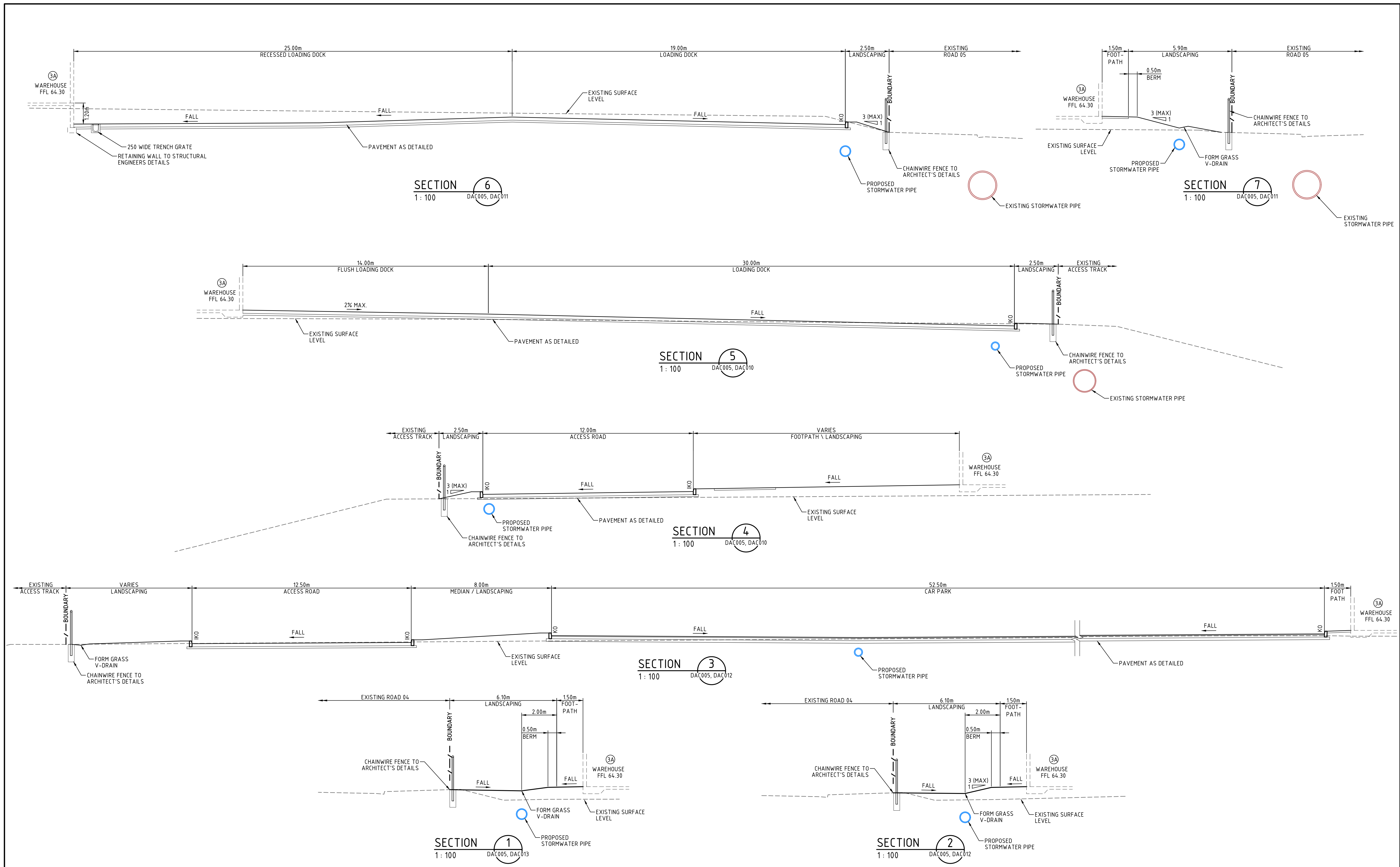
THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L



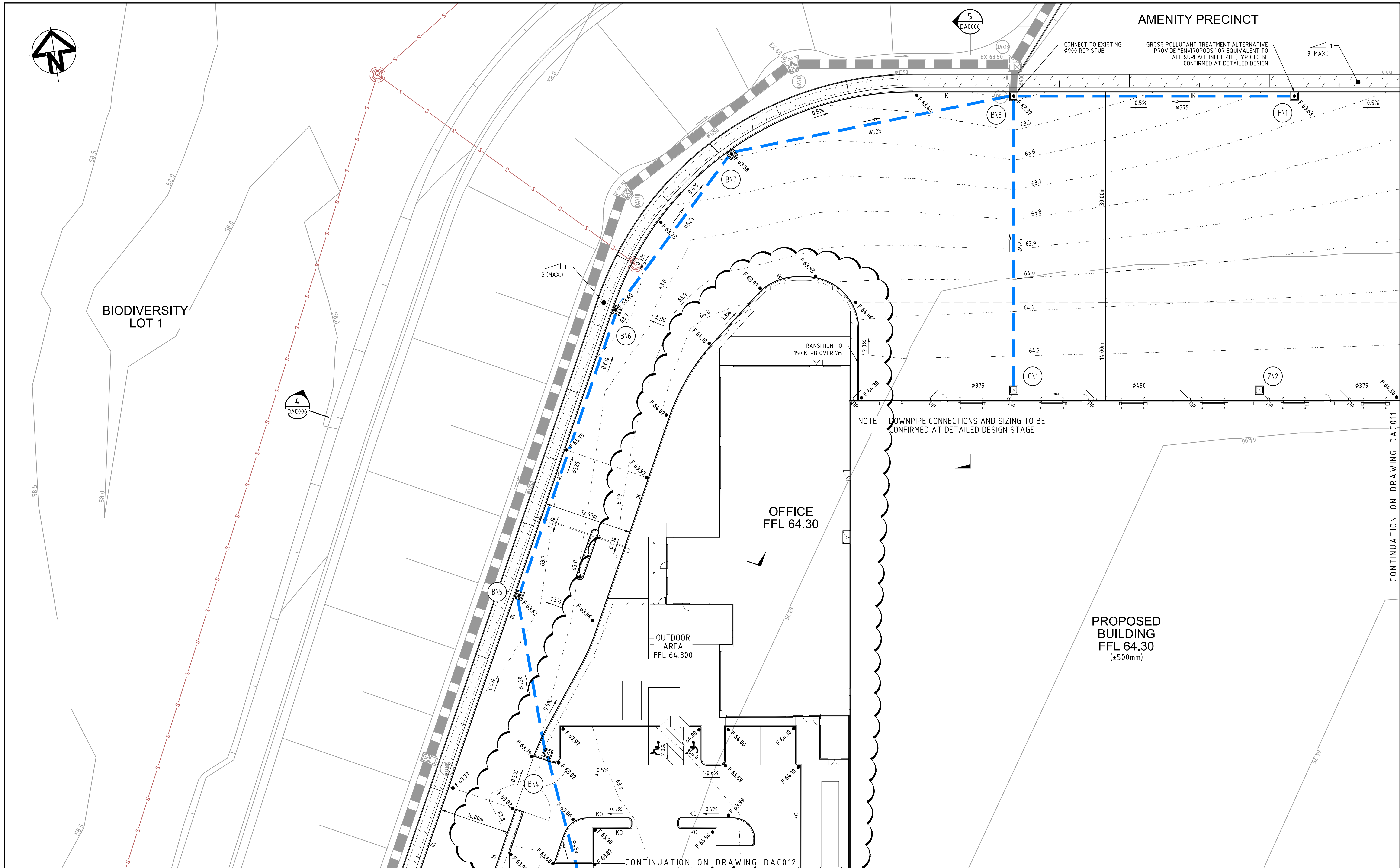
Scales	1 : 1000	Drawn	FX
		Designed	FX
Grid	MGA	Checked	MM
Height Datum	AHD	Approved	

Project	OAKDALE SOUTH ESTATE - LOT 3A SIGMA
Title	GENERAL ARRANGEMENT PLAN

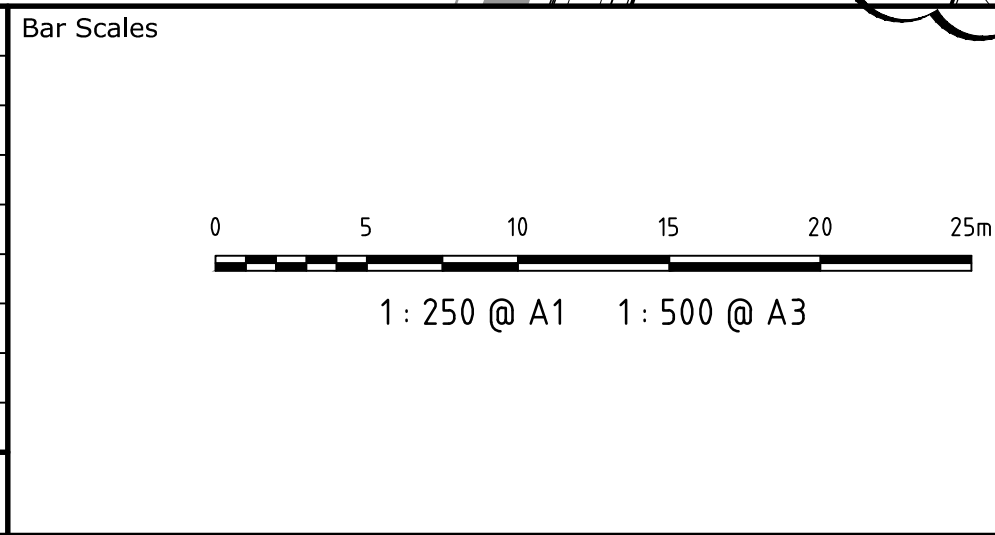
Civil Engineers and Project Managers		
	Level 7, 153 Walker Street North Sydney NSW 2060	
	ABN 96 130 882 405	
	Tel: 02 9439 1777	
	Fax: 02 9923 1055	
	www.atl.net.au info@atl.net.au	
Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		
Project - Drawing No.		Issue
16-388-DAC005		D



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



C	ISSUED FOR SECTION 96 APPROVAL	27-11-17
B	ISSUED FOR DA APPROVAL	30-08-16
A	ISSUED FOR DA APPROVAL	18-08-16
Issue	Description	Date



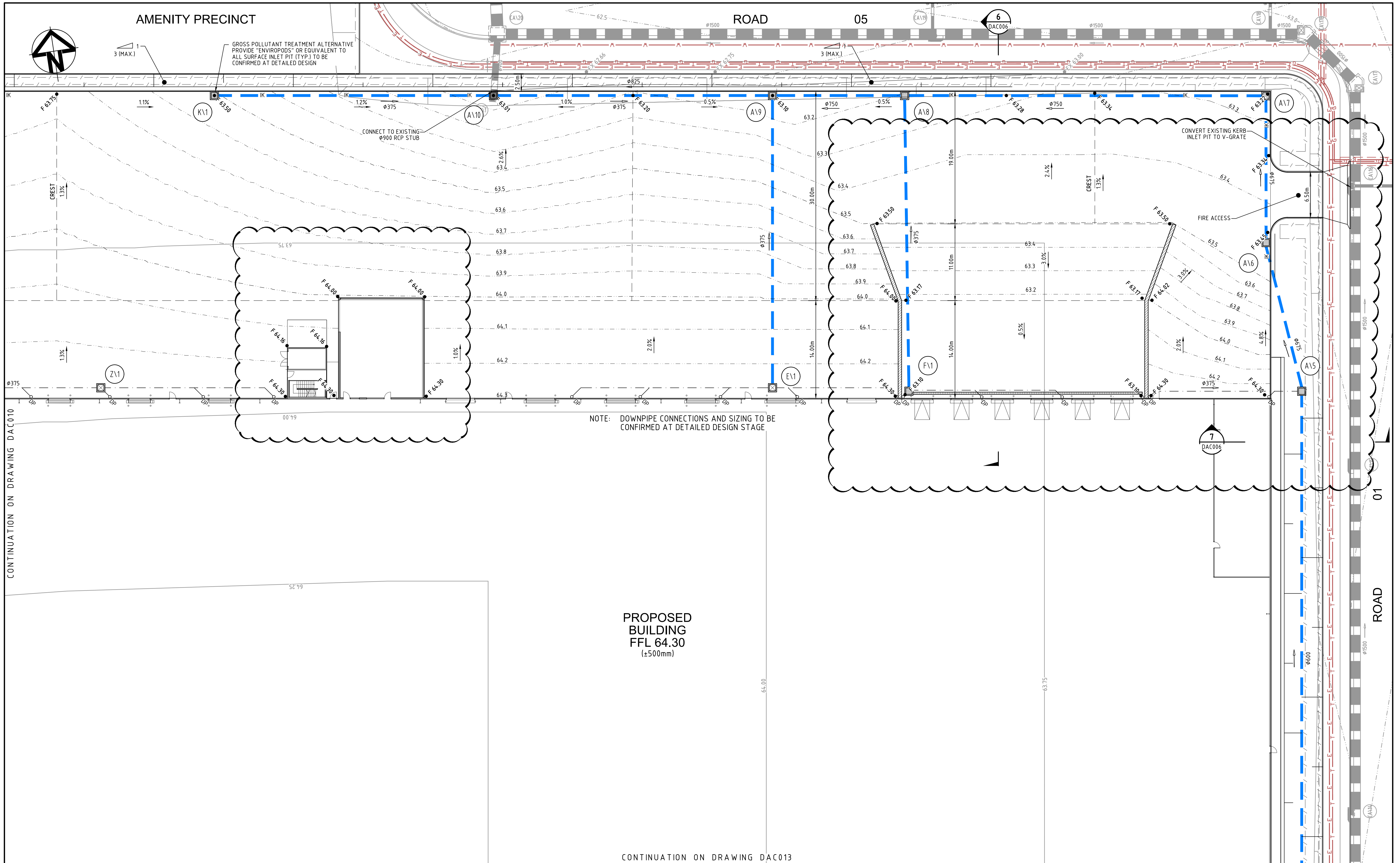
THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L



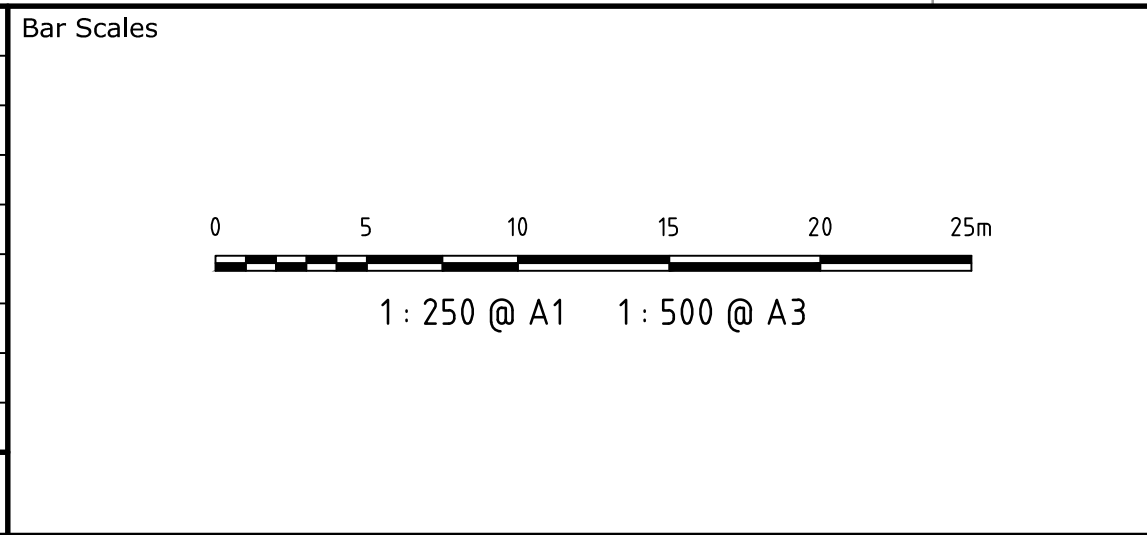
Scales	1 : 250	Drawn	FX
		Designed	FX
Grid	MGA	Checked	MM
Height Datum	AHD	Approved	

Project	OAKDALE SOUTH ESTATE - LOT 3A SIGMA
Title	SITWORKS AND STORMWATER DRAINAGE PLAN SHEET 1

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
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION
Project - Drawing No.	16-388-DAC010
Issue	C



D	ISSUED FOR SECTION 96 APPROVAL	27-11-17
C	ISSUED FOR DA APPROVAL	30-08-16
B	ISSUED FOR DA APPROVAL	30-08-16
A	ISSUED FOR DA APPROVAL	18-08-16
Issue	Description	Date



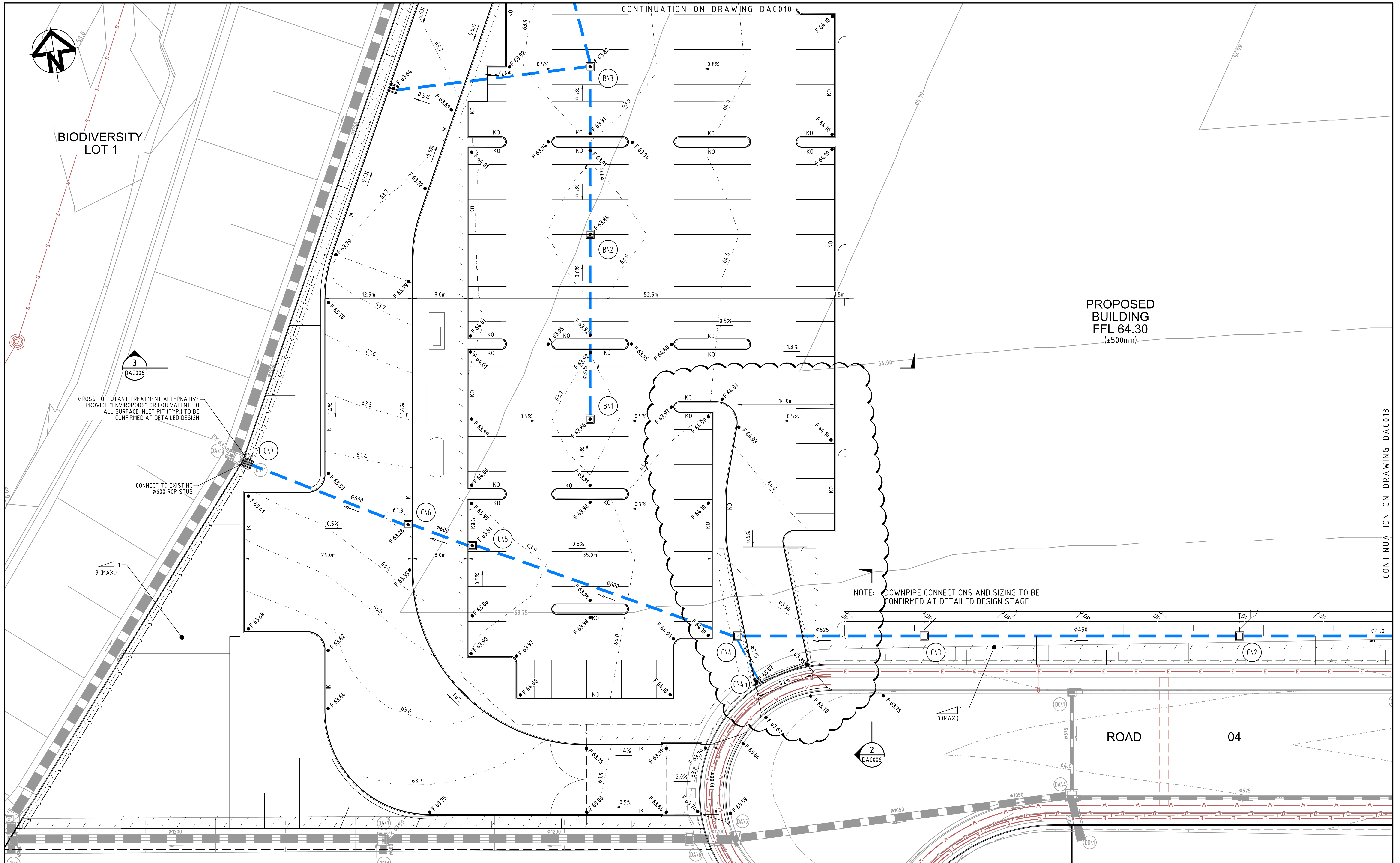
THIS DRAWING CANNOT BE
COPIED OR REPRODUCED IN
ANY FORM OR USED FOR ANY
OTHER PURPOSE OTHER THAN
THAT ORIGINALLY INTENDED
WITHOUT THE WRITTEN
PERMISSION OF AT&L



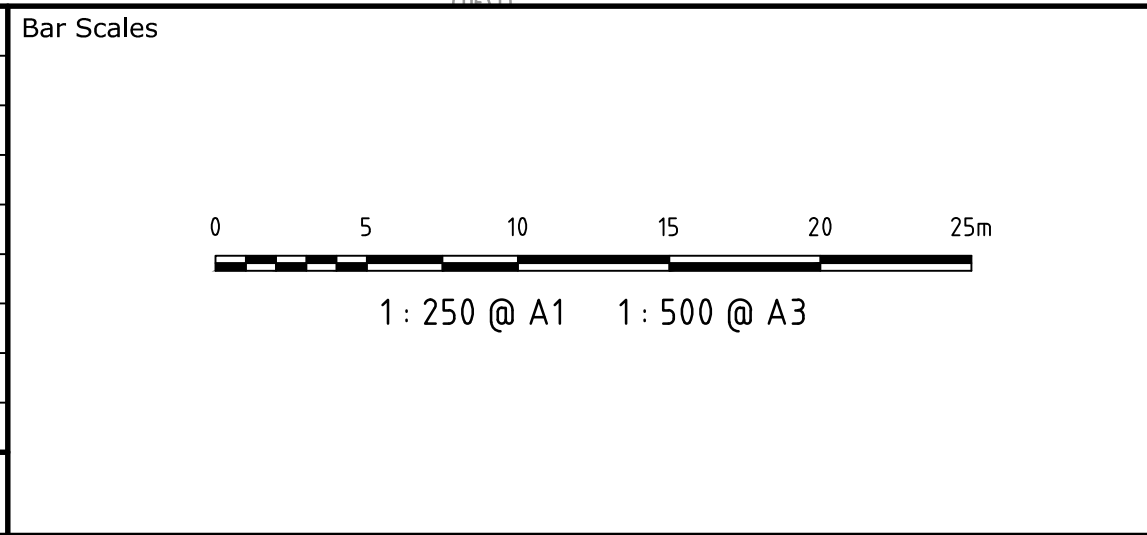
Scales	1 : 250	Drawn	FX
		Designed	FX
Grid	MGA	Checked	MM
Height Datum	AHD	Approved	

Project	OAKDALE SOUTH ESTATE - LOT 3A SIGMA
Title	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 2

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		
Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.	16-388-DAC011	Issue
		D



C	ISSUED FOR SECTION 96 APPROVAL	27-11-17
B	ISSUED FOR DA APPROVAL	30-08-16
A	ISSUED FOR DA APPROVAL	18-08-16
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



Scales	1 : 250	Drawn	FX
Grid	MGA	Designed	FX
Height Datum	AHD	Checked	MM
		Approved	

Project	OAKDALE SOUTH ESTATE - LOT 3A SIGMA
Title	SITeworks AND STORMwater DRAINAGE PLAN SHEET 3

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	
Status	FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION	
Project - Drawing No.	16-388-DAC012
Issue	C

—64.25

00 79

PROPOSED
BUILDING
FFL 64.30
(±500mm)

—64.0

—63.75

NOTE: DOWNPIPE CONNECTIONS AND SIZING TO BE
CONFIRMED AT DETAILED DESIGN STAGE

GROSS POLLUTANT TREATMENT ALTERNATIVE-
PROVIDE "ENVIROPODS" OR EQUIVALENT TO
ALL SURFACE INLET PIT (TYP.) TO BE
CONFIRMED AT DETAILED DESIGN

ROAD

04



C	ISSUED FOR SECTION 96 APPROVAL	27-11-17
B	ISSUED FOR DA APPROVAL	30-08-16
A	ISSUED FOR DA APPROVAL	18-08-16
Issue	Description	Date

Bar Scales



1: 250 @ A1 1: 500 @ A3

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

[illegible]

	Scales
--	--------

1 : 250

Grid

MGA

Height
Datum

Drawn

Design

	Checked
--	---------

Approve

--	--

	Project
--	---------

OAKDALE SOUTH
ESTATE - LOT 3A
SIGMA

	Title
--	-------

SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 4

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

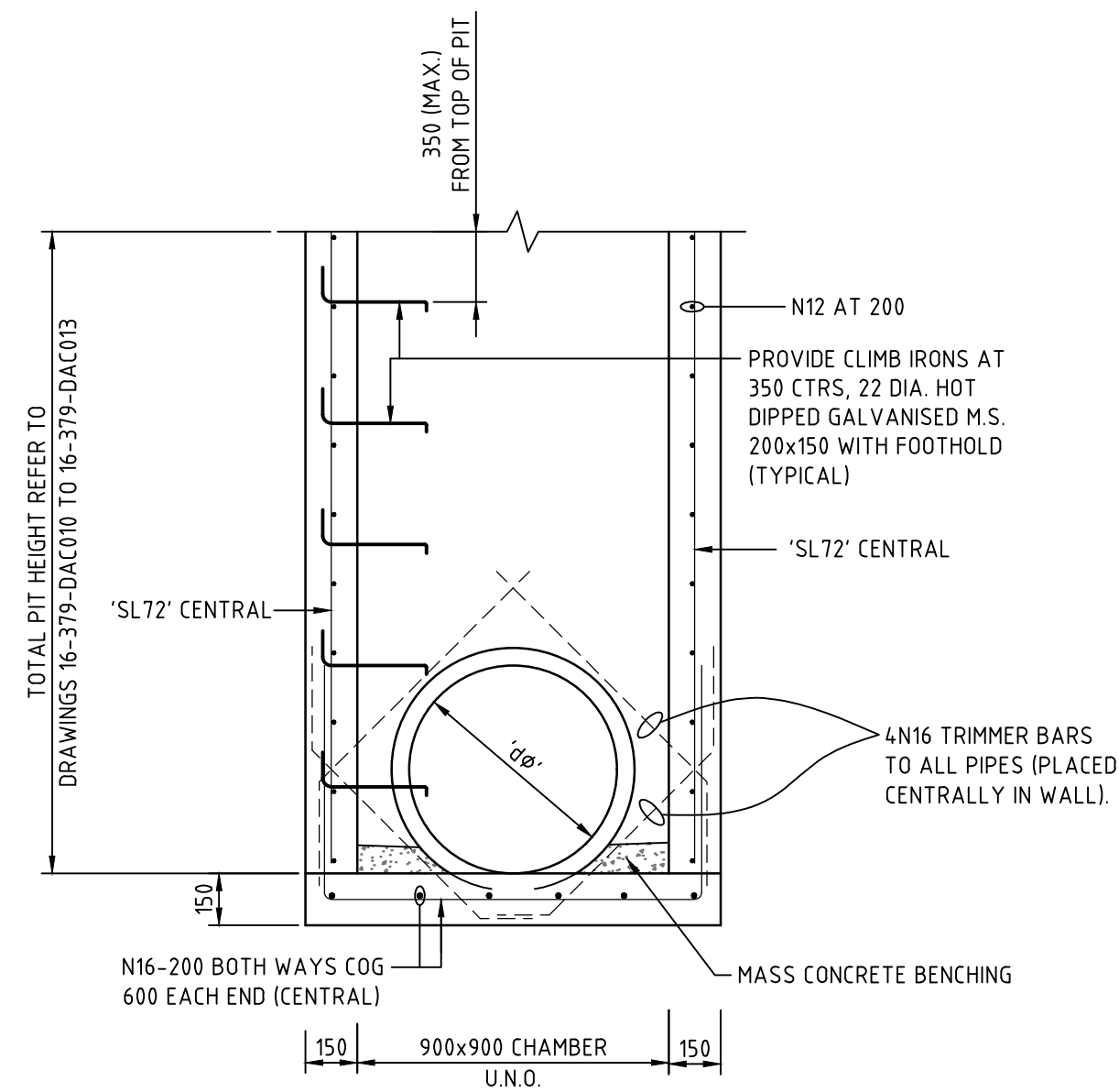
Status **FOR APPROVAL**
NOT TO BE USED FOR CONSTRUCTION

Project - Drawing No.
16-388-DAC013

A1

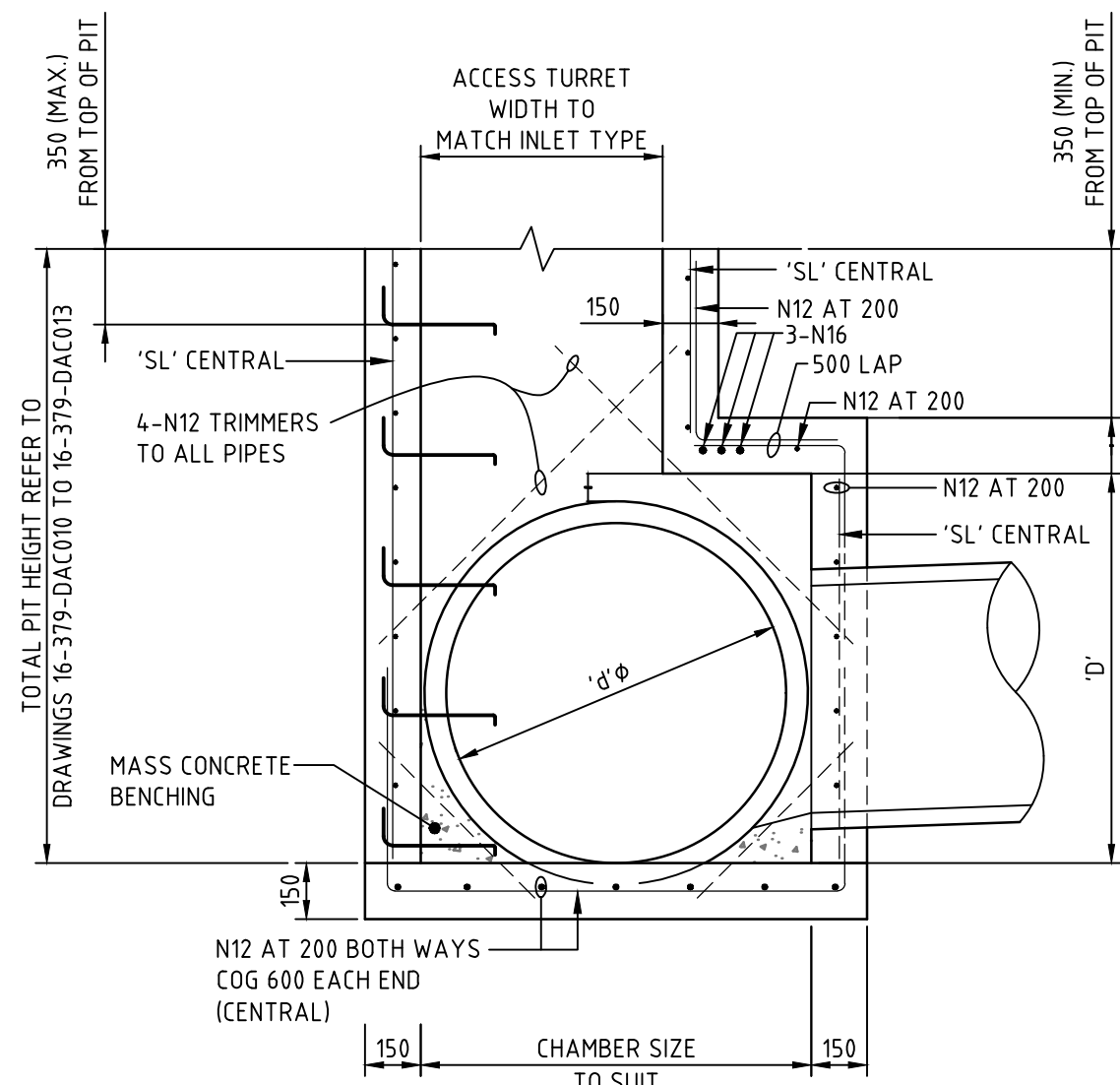
Issue	
-------	--





**PIT CHAMBER
TYPE 'A' DETAIL
FOR PIPES UP TO 525Ø**

SCALE: 1:20



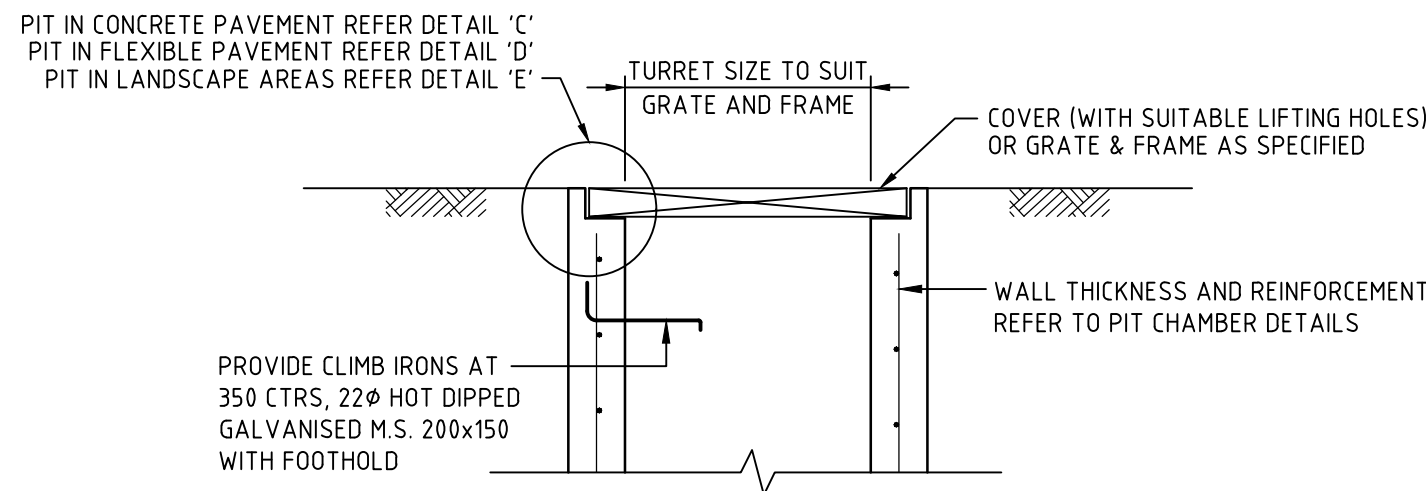
**PIT CHAMBER
TYPE 'B' DETAIL
FOR PIPES FROM 600Ø TO 1200Ø**

(ENLARGED CHAMBER)

SCALE: 1:20

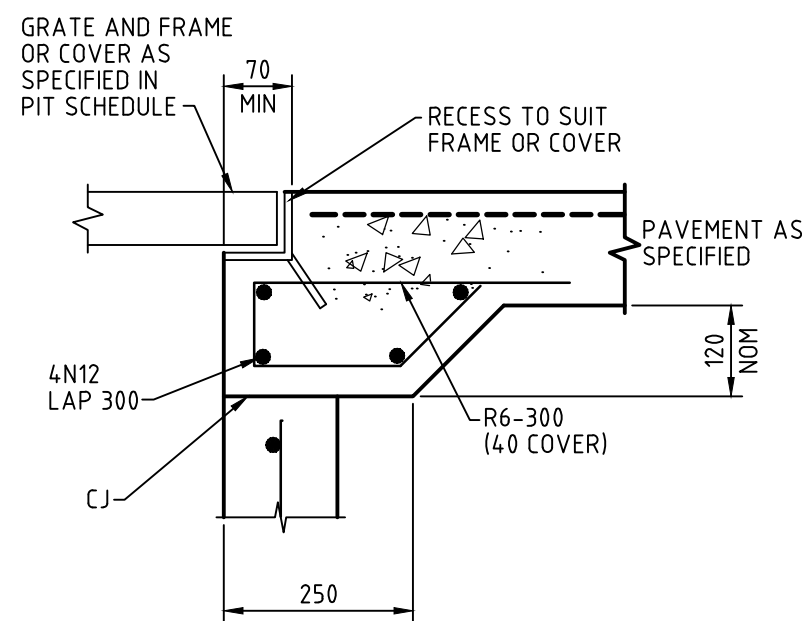
PIPE DIA. 'dØ'	WIDTH 'W'	DEPTH 'D'	FABRIC/COV 'SL'
600 to 675	900	1200-2400	SL72
750	1000	1200-2400	SL72
825	1150	1200-2400	SL72
900	1200	1200-2400	SL82
1050	1350	1300-2400	SL92
1200	1500	1500-2800	SL102

CHAMBER DEPTH EXCEEDING 2m IN HEIGHT WILL BE DESIGNED AND APPROVED BY STRUCTURAL ENGINEER



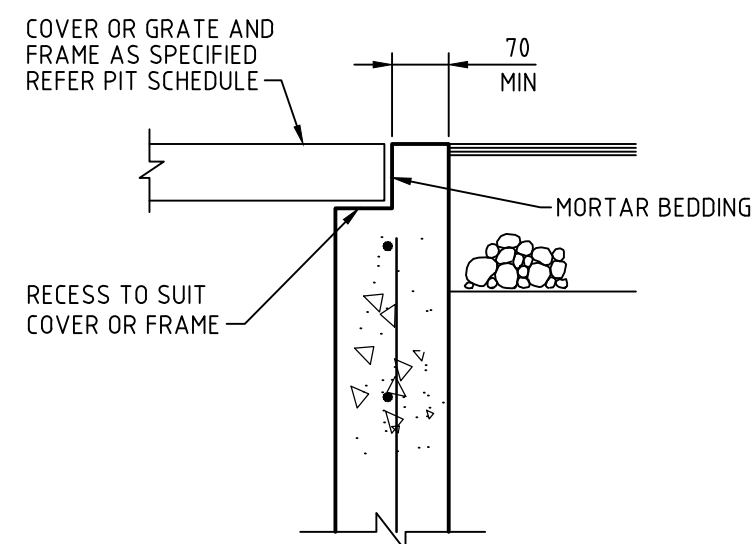
**STANDARD SURFACE INLET
OR SEALED JUNCTION PIT**

SCALE: 1:20



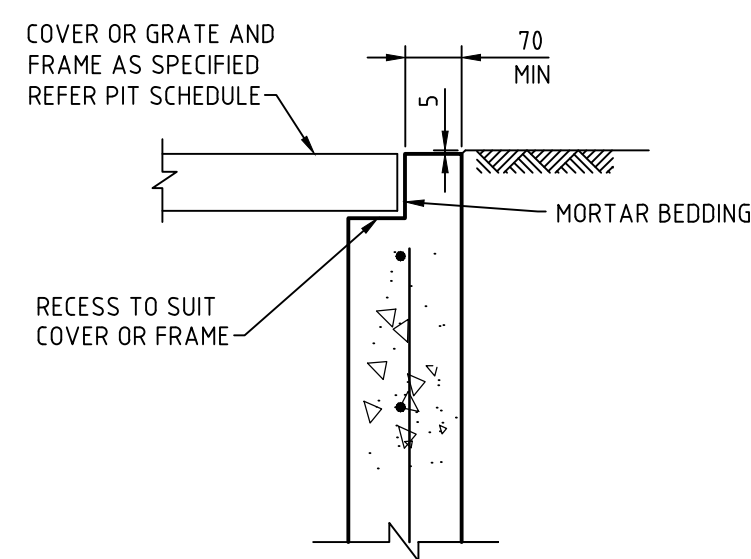
DETAIL "C"

SCALE 1:10



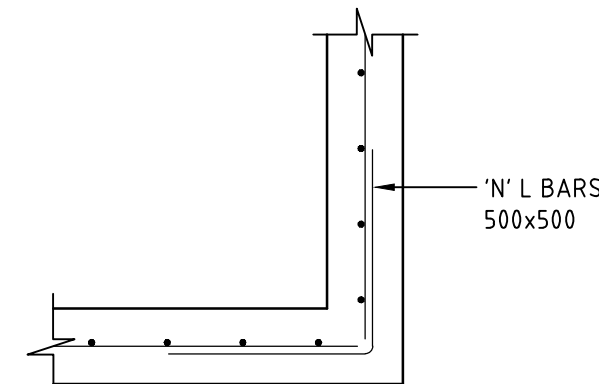
DETAIL "D"

SCALE 1:10



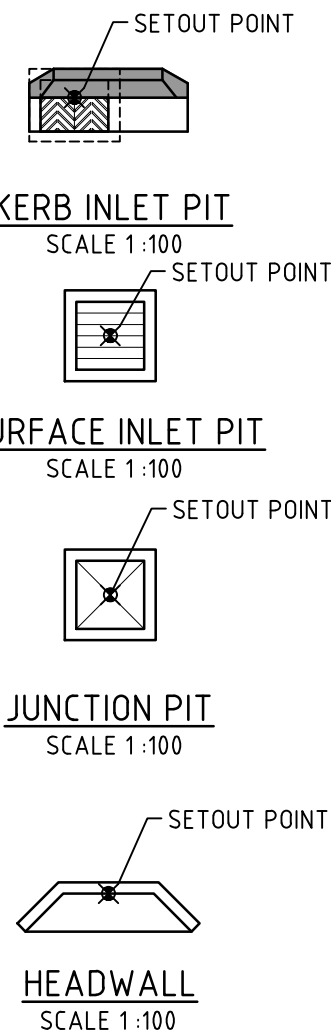
DETAIL "E"

SCALE 1:10



TYPICAL CORNER DETAIL

SCALE 1:20



KERB INLET PIT

SCALE 1:100

SURFACE INLET PIT

SCALE 1:100

JUNCTION PIT

SCALE 1:100

HEADWALL

SCALE 1:100

**STORMWATER PIT
SETOUT POINTS**

NOTE

1. REINFORCING MESH IS TO BE BENT TO LAP 300 AROUND ALL CORNERS. VERTICAL BARS ARE NOT TO BE CUT. ALTERNATELY PROVIDE N12 "L" BARS (500x500) AT 400 VERTICAL CTS.
2. COMPRESSIVE STRENGTH (F'c) FOR CAST IN SITU CONCRETE SHALL BE A MINIMUM 32 MPa AT 28 DAYS.
3. TOP OF BENCHING SHALL BE 1/4 OF OUTLET PIPE DIAMETER.
4. 100mm SUBSOIL DRAINAGE PIPE 3000 LONG WRAPPED IN FABRIC SOCK TO BE PROVIDE ADJACENT TO INLET PIPES.
5. ALL PITS SHALL BE PROVIDED WITH A LOCKING CLIP.
6. PIT GRATE TO BE 'WELDLOK' GULLY GRATE GG 78-50 OR APPROVED EQUIVALENT.
7. DURING INSTALLATION OF GRATE AND FRAME CONTRACTOR IS TO ENSURE CLEARANCE BETWEEN LINTEL AND OPENED GRATE (REFER TO INSTALLATION TOLERANCE).
8. PROVIDE STEP IRONS AS INDICATED FOR PITS DEEPER THAN 1200.
9. N12 AT 200 CENTRAL MAY BE USED IN LIEU OF MESH. LAP 500 AT CORNERS
10. MINIMUM REINFORCEMENT COVER TO BE 45mm UNLESS NOTED OTHERWISE
11. CONCRETE STRENGTH: - UNLESS NOTED OTHERWISE

ELEMENT	F'c MPa (28 DAYS)	SLUMP	MAX AGG SIZE	CEMENT TYPE
PITS	32	80mm	20mm	GP

Issue	Description	Date
B	ISSUED FOR DA APPROVAL	30-08-16
A	ISSUED FOR DA APPROVAL	18-08-16

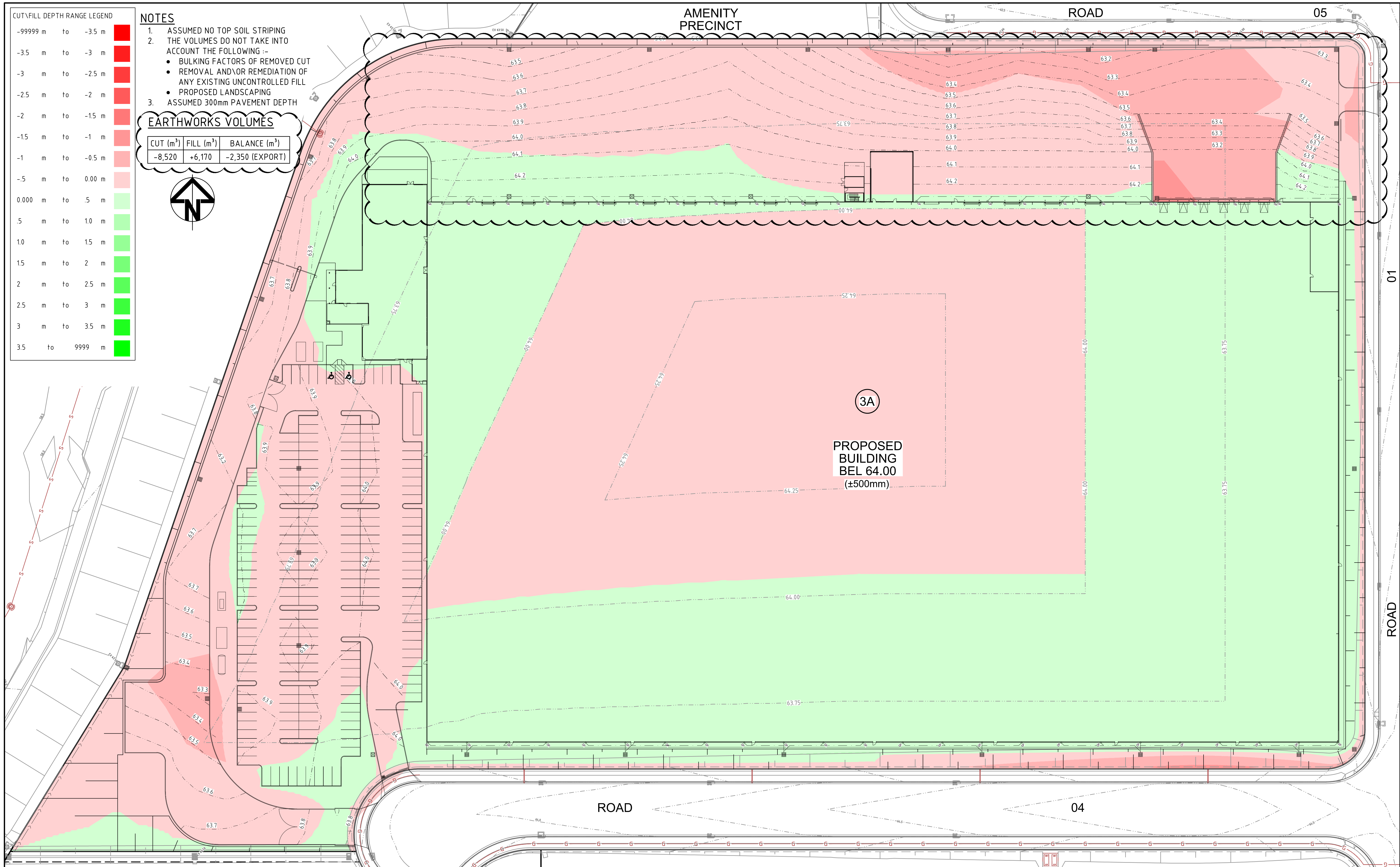
Bar Scales
0 100 200 400 600 800 1000mm 1 : 10 @ A1 1 : 20 @ A3
0 500 1000 1500 2000mm 1 : 20 @ A1 1 : 40 @ A3

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
Client 

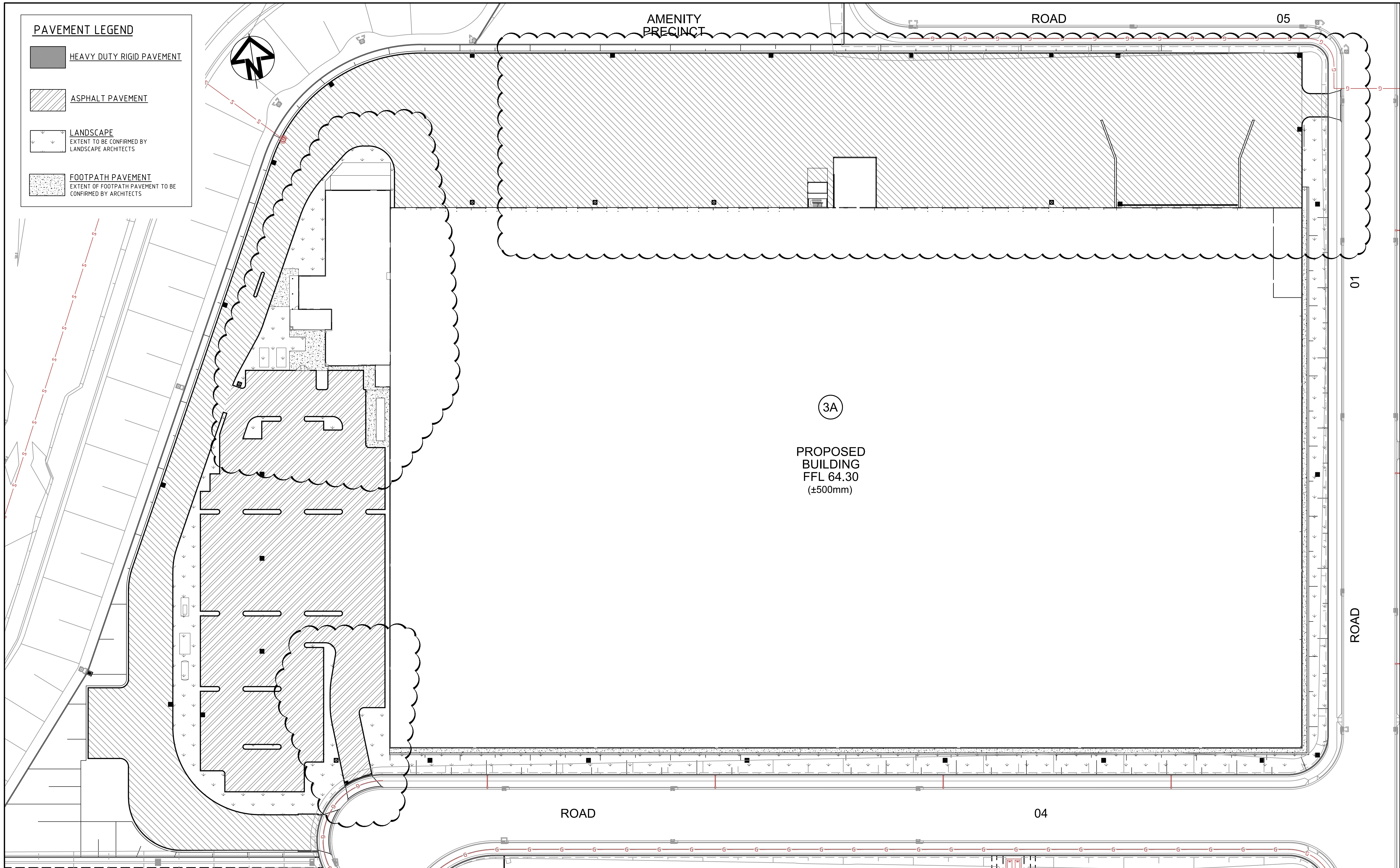
Scales	Drawn	FX
AS SHOWN	Designed	FX
Grid	MGA	Checked
Height Datum	AHD	Approved

Project	OAKDALE SOUTH ESTATE - LOT 3A SIGMA
Title	STORMWATER DRAINAGE DETAILS

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
Status NOT TO BE USED FOR CONSTRUCTION	FOR APPROVAL
Project - Drawing No. 16-388-DAC025	Issue B



<table><tr><td>D</td><td>ISSUED FOR SECTION 96 APPROVAL</td><td>27-11-17</td></tr><tr><td>C</td><td>ISSUED FOR DA APPROVAL</td><td>30-08-16</td></tr><tr><td>B</td><td>ISSUED FOR DA APPROVAL</td><td>30-08-16</td></tr><tr><td>A</td><td>ISSUED FOR DA APPROVAL</td><td>18-08-16</td></tr><tr><td>Issue</td><td>Description</td><td>Date</td></tr></table>		D	ISSUED FOR SECTION 96 APPROVAL	27-11-17	C	ISSUED FOR DA APPROVAL	30-08-16	B	ISSUED FOR DA APPROVAL	30-08-16	A	ISSUED FOR DA APPROVAL	18-08-16	Issue	Description	Date	Bar Scales 0 10 20 30 40 50m 1 : 500 @ A1 1 : 1000 @ A3		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		Client Goodman		<table><tr><td>Scales</td><td>1 : 500</td><td>Drawn</td><td>FX</td></tr><tr><td></td><td></td><td>Designed</td><td>FX</td></tr><tr><td>Grid</td><td>MGA</td><td>Checked</td><td>MM</td></tr><tr><td>Height Datum</td><td>AHD</td><td>Approved</td><td></td></tr></table>		Scales	1 : 500	Drawn	FX			Designed	FX	Grid	MGA	Checked	MM	Height Datum	AHD	Approved		Project OAKDALE SOUTH ESTATE - LOT 3A SIGMA		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	
D	ISSUED FOR SECTION 96 APPROVAL	27-11-17																																										
C	ISSUED FOR DA APPROVAL	30-08-16																																										
B	ISSUED FOR DA APPROVAL	30-08-16																																										
A	ISSUED FOR DA APPROVAL	18-08-16																																										
Issue	Description	Date																																										
Scales	1 : 500	Drawn	FX																																									
		Designed	FX																																									
Grid	MGA	Checked	MM																																									
Height Datum	AHD	Approved																																										
						Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION		A1																																				
						Project - Drawing No. 16-388-DAC030		Issue D																																				



PAVEMENT LEGEND

- HEAVY DUTY RIGID PAVEMENT
- ASPHALT PAVEMENT
- LANDSCAPE
EXTENT TO BE CONFIRMED BY
LANDSCAPE ARCHITECTS
- FOOTPATH PAVEMENT
EXTENT OF FOOTPATH PAVEMENT TO BE
CONFIRMED BY ARCHITECTS

D	ISSUED FOR SECTION 96 APPROVAL	27-11-17
C	ISSUED FOR DA APPROVAL	30-08-16
B	ISSUED FOR DA APPROVAL	30-08-16
A	ISSUED FOR DA APPROVAL	18-08-16
Issue	Description	Date

Bar Scales

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

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

Client

Goodman

Scales	1 : 500	Drawn	FX
		Designed	FX
Grid	MGA	Checked	MM
Height Datum	AHD	Approved	

Project

OAKDALE SOUTH
ESTATE - LOT 3A
SIGMA

Title

PAVEMENT
PLAN

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

Status

FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

Project - Drawing No.

16-388-DAC031

Issue

D

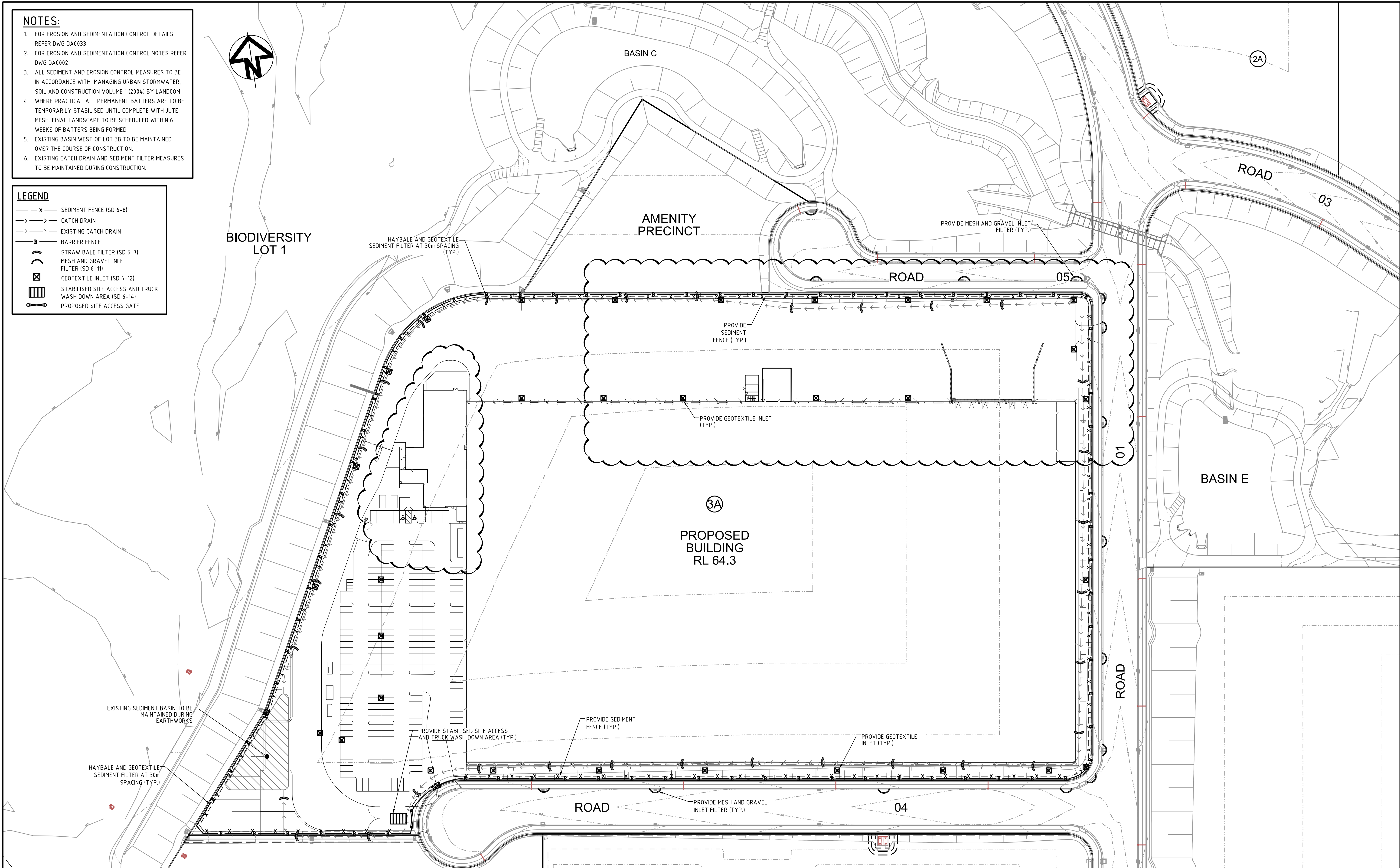
A1

NOTES:

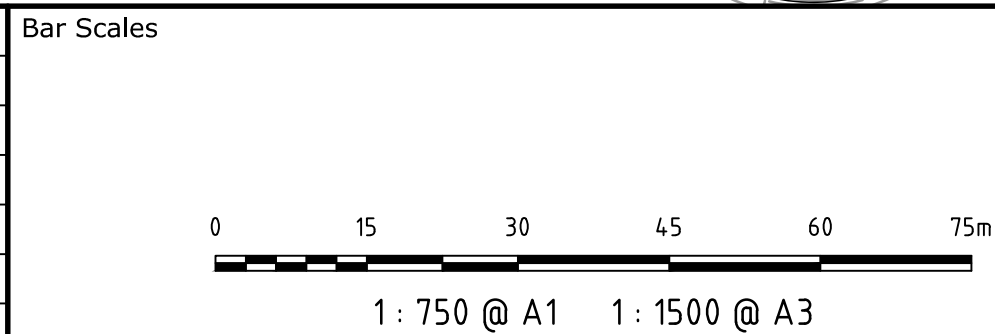
1. FOR EROSION AND SEDIMENTATION CONTROL DETAILS REFER DWG DAC033
2. FOR EROSION AND SEDIMENTATION CONTROL NOTES REFER DWG DAC002
3. ALL SEDIMENT AND EROSION CONTROL MEASURES TO BE IN ACCORDANCE WITH 'MANAGING URBAN STORMWATER, SOIL AND CONSTRUCTION VOLUME 1 (2004)' BY LANDCOM.
4. WHERE PRACTICAL ALL PERMANENT BATTERS ARE TO BE TEMPORARILY STABILISED UNTIL COMPLETE WITH JUTE MESH. FINAL LANDSCAPE TO BE SCHEDULED WITHIN 6 WEEKS OF BATTERS BEING FORMED
5. EXISTING BASIN WEST OF LOT 3B TO BE MAINTAINED OVER THE COURSE OF CONSTRUCTION.
6. EXISTING CATCH DRAIN AND SEDIMENT FILTER MEASURES TO BE MAINTAINED DURING CONSTRUCTION.

LEGEND

- x — SEDIMENT FENCE (SD 6-8)
- → → CATCH DRAIN
- → → EXISTING 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



Issue	Description	Date
D	ISSUED FOR SECTION 96 APPROVAL	27-11-17
C	ISSUED FOR DA APPROVAL	30-08-16
B	ISSUED FOR DA APPROVAL	30-08-16
A	ISSUED FOR DA APPROVAL	18-08-16



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

Client



Scales	1 : 750	Drawn	FX
		Designed	FX
Grid	MGA	Checked	MM
Height Datum	AHD	Approved	

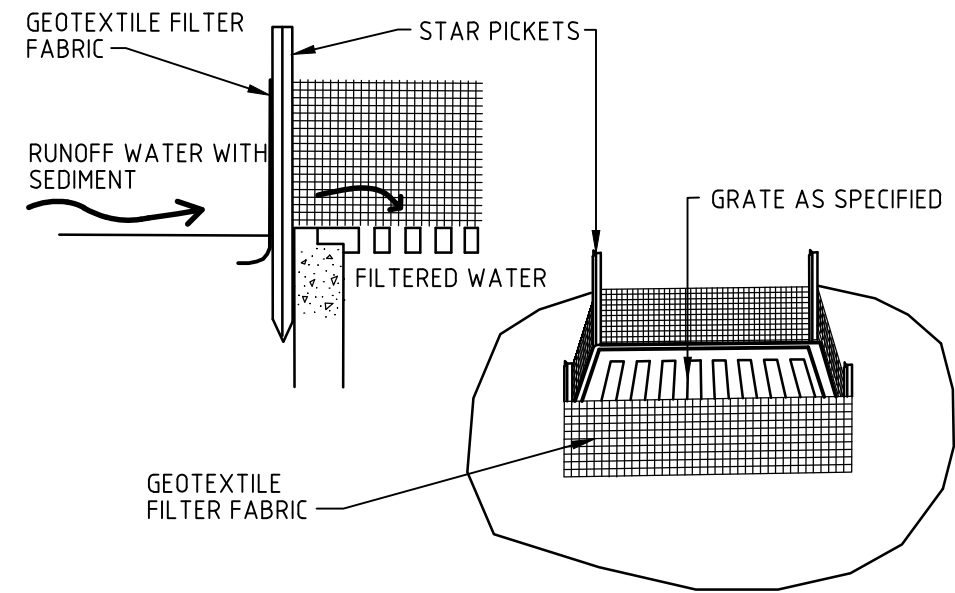
Project	OAKDALE SOUTH ESTATE - LOT 3A SIGMA
Title	EROSION AND SEDIMENTATION CONTROL PLAN

Civil Engineers and Project Managers



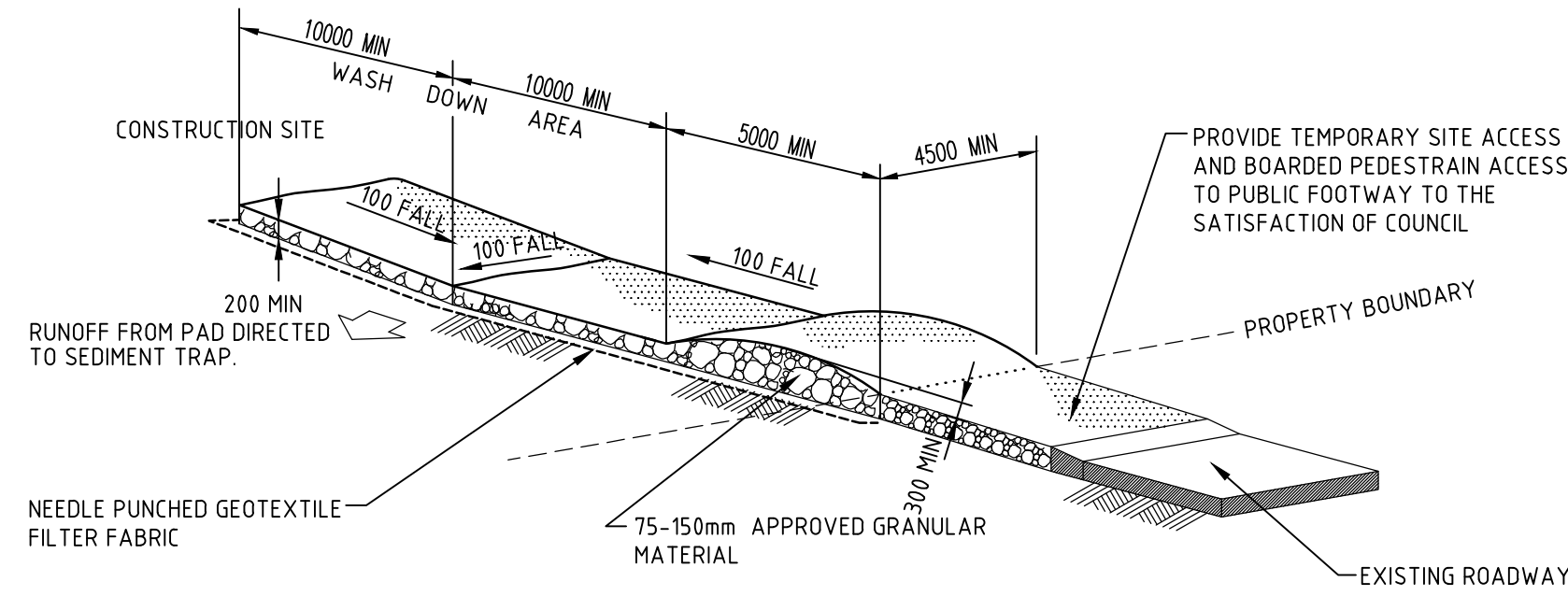
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		
Project - Drawing No.	16-388-DAC032	Issue
		D



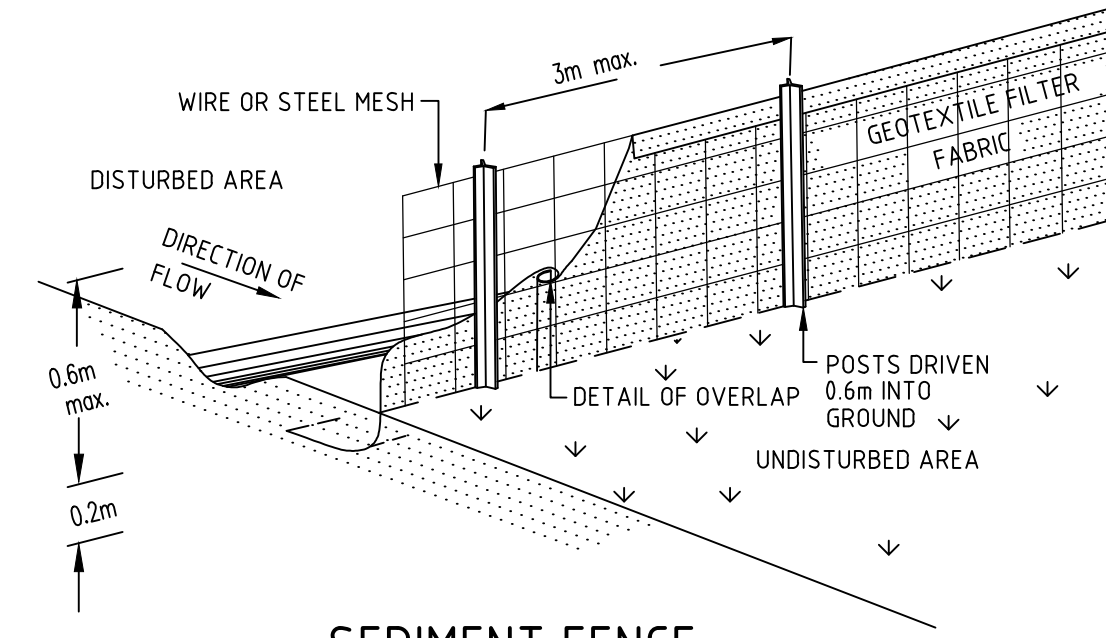
GEOTEXTILE FILTER PIT SURROUND

NTS



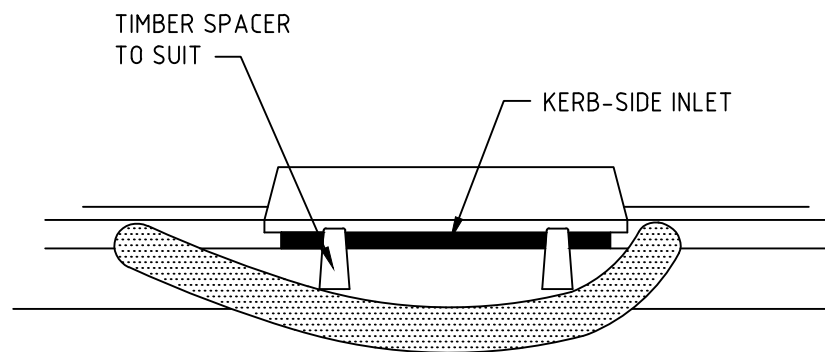
STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA

NTS



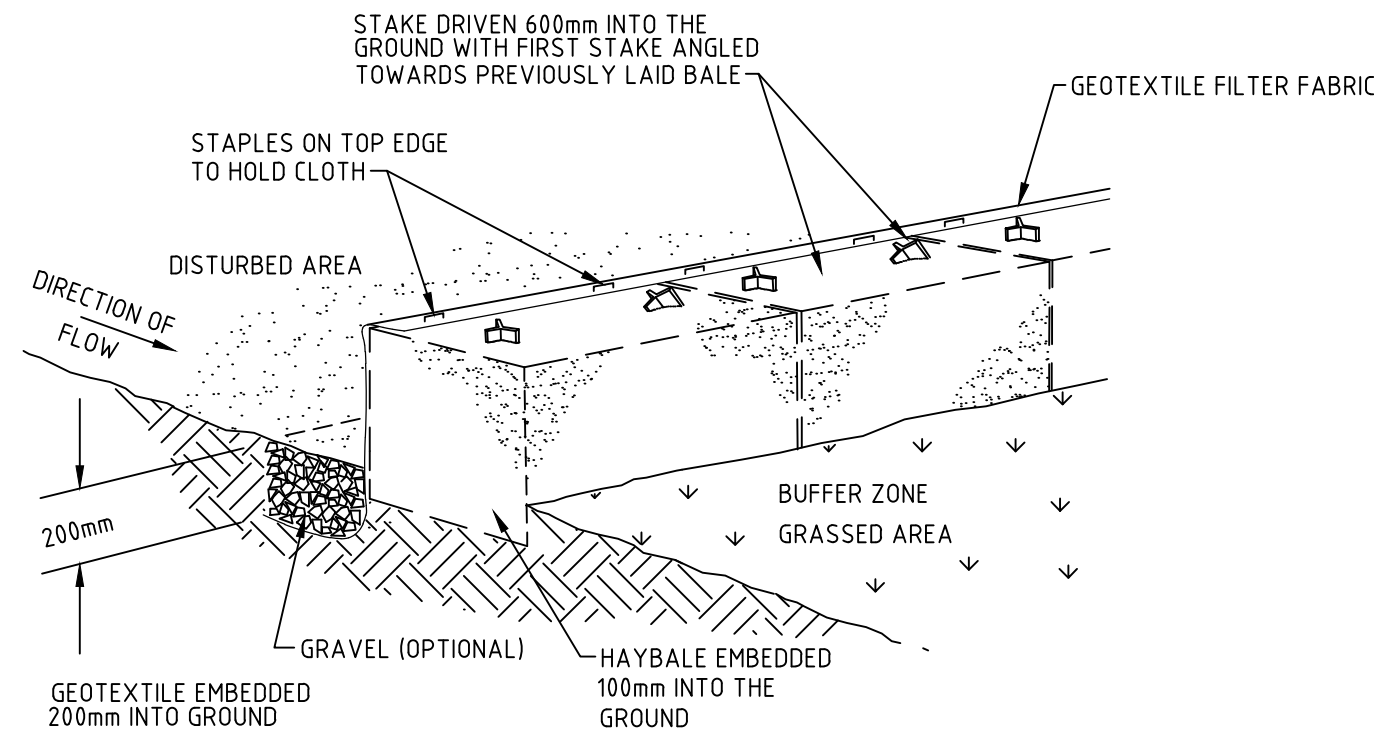
SEDIMENT FENCE

NTS



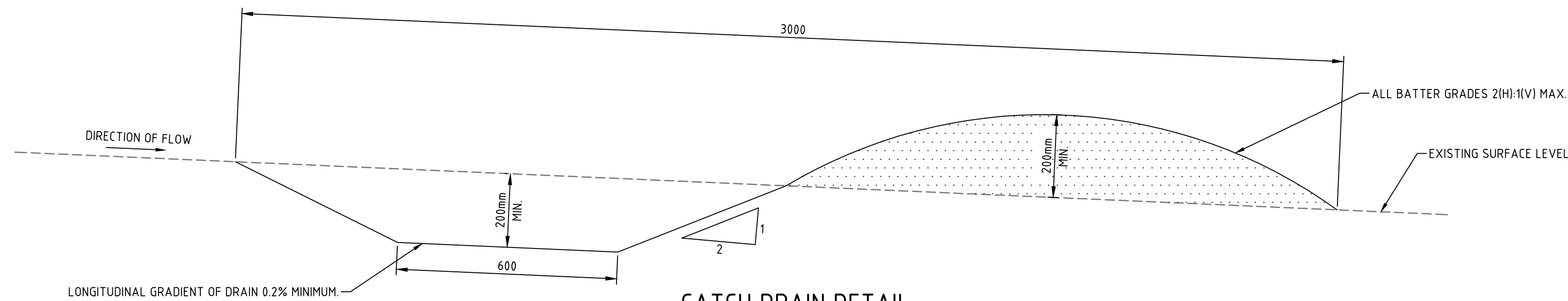
MESH AND GRAVEL INLET FILTER

NTS



HAYBALE AND GEOTEXTILE SEDIMENT FILTER

NTS



CATCH DRAIN DETAIL

SCALE 1:10

B	ISSUED FOR DA APPROVAL	30-08-16
A	ISSUED FOR DA APPROVAL	18-08-16
Issue	Description	Date

Bar Scales
0 100 200 400 600 800 1000mm
1 : 10 @ A1 1 : 20 @ A3

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	AS SHOWN	Drawn	FX
		Designed	FX
Grid	MGA	Checked	MM
Height Datum	AHD	Approved	

Project	OAKDALE SOUTH ESTATE - LOT 3A SIGMA
Title	EROSION AND SEDIMENTATION DETAILS

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
Status	FOR APPROVAL	A1
NOT TO BE USED FOR CONSTRUCTION		
Project - Drawing No.		Issue
16-388-DAC033		B