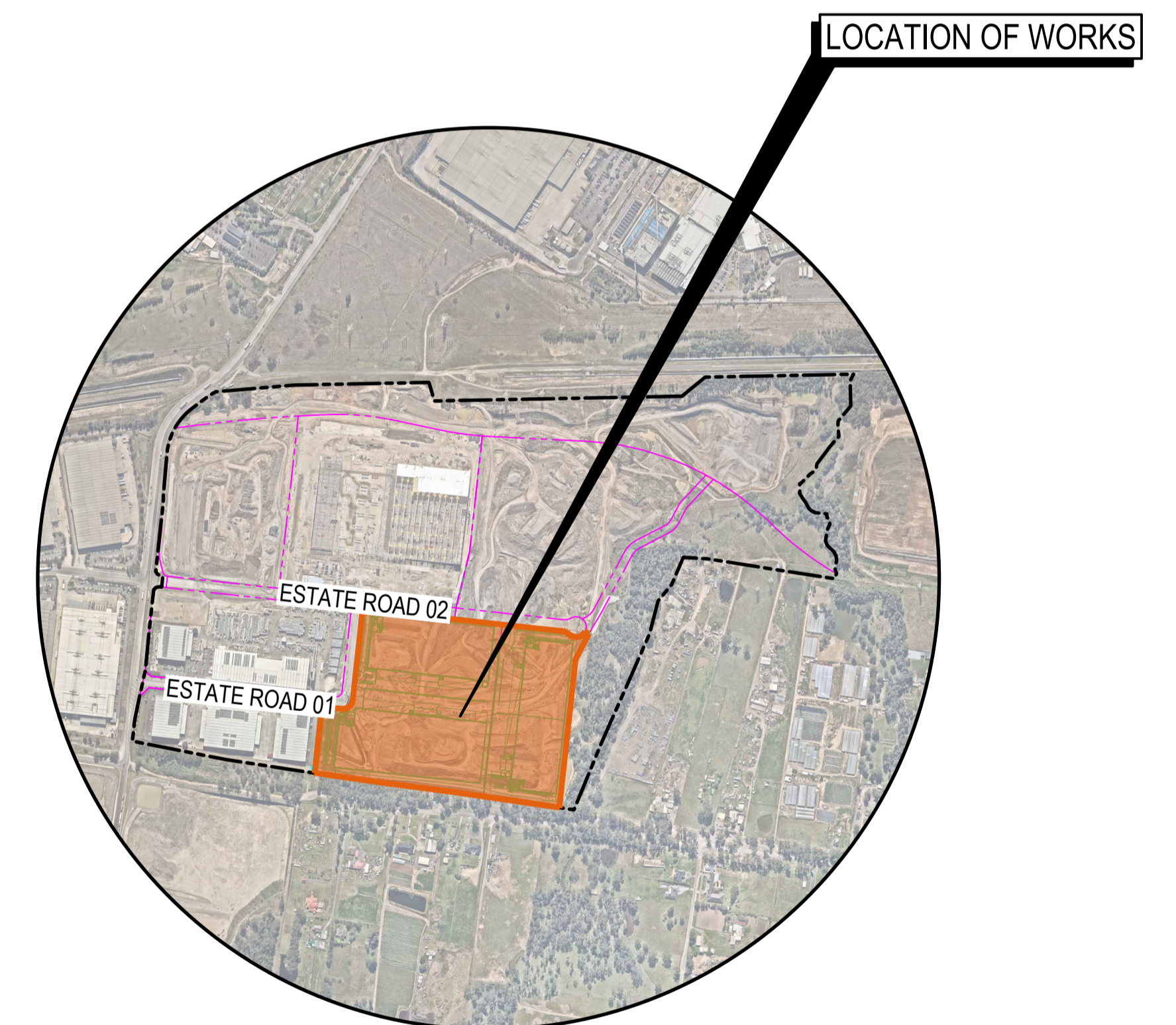


OAKDALE EAST PRECINCT 2

STATE SIGNIFICANT DEVELOPMENT APPLICATION - SSD-77020757
FAIRFIELD CITY COUNCIL

DRAWING SCHEDULE

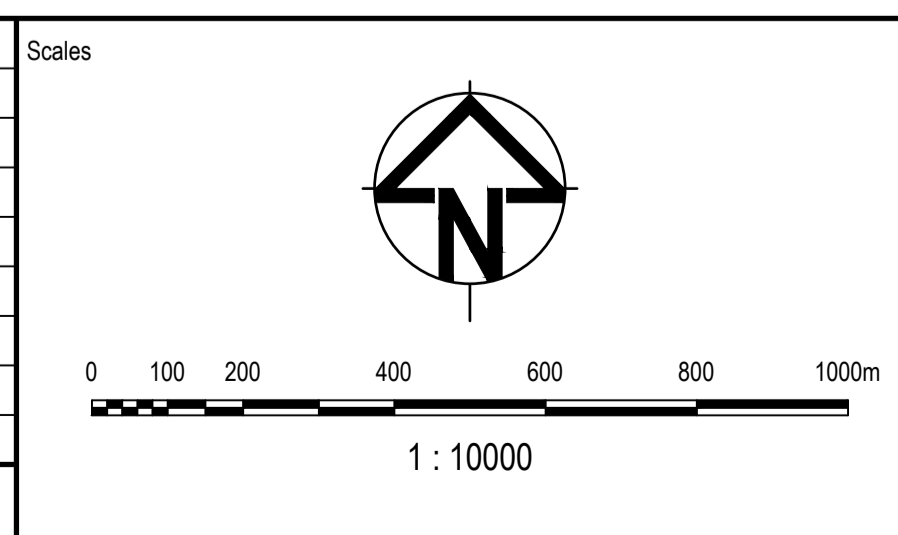
DRAWING NUMBER	DESCRIPTION
GENERAL	
OP2-AAP-DA-DRG-CI-0001	COVER SHEET, LOCALITY PLAN AND DRAWING SCHEDULE
OP2-AAP-DA-DRG-CI-0021	GENERAL NOTES
OP2-AAP-DA-DRG-CI-0061	GENERAL ARRANGEMENT PLAN
EARTHWORKS	
OP2-AAP-DA-DRG-CI-0101	BULK EARTHWORKS PLAN
OP2-AAP-DA-DRG-CI-0121	BULK EARTHWORKS PLAN SITE SECTIONS SHEET 1
OP2-AAP-DA-DRG-CI-0122	BULK EARTHWORKS PLAN SITE SECTIONS SHEET 2
OP2-AAP-DA-DRG-CI-0141	RETAINING WALL PLAN
OP2-AAP-DA-DRG-CI-0161	RETAINING WALL ELEVATIONS AND DETAILS
OP2-AAP-DA-DRG-CI-0171	EROSION AND SEDIMENT CONTROL PLAN
OP2-AAP-DA-DRG-CI-0191	EROSION AND SEDIMENT CONTROL DETAILS
ROADWORKS AND DRAINAGE	
OP2-AAP-DA-DRG-CI-0201	CIVIL WORKS PLAN SHEET 1
OP2-AAP-DA-DRG-CI-0202	CIVIL WORKS PLAN SHEET 2
OP2-AAP-DA-DRG-CI-0203	CIVIL WORKS PLAN SHEET 3
OP2-AAP-DA-DRG-CI-0204	CIVIL WORKS PLAN SHEET 4
OP2-AAP-DA-DRG-CI-0241	TYPICAL ROAD SECTIONS SHEET 1
OP2-AAP-DA-DRG-CI-0242	TYPICAL ROAD SECTIONS SHEET 2
OP2-AAP-DA-DRG-CI-0243	TYPICAL ROAD SECTIONS SHEET 3
OP2-AAP-DA-DRG-CI-0341	PAVEMENT PLAN
OP2-AAP-DA-DRG-CI-0421	POST-DEVELOPED STORMWATER DRAINAGE CATCHMENT PLAN



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Issue	Description	DR	CH	VE	Date
02	ISSUE FOR DEVELOPMENT APPLICATION	JL	KR	JB	20.01.25
01	FOR CLIENT REVIEW	JL	KR	NB	18.10.24



Status

FOR REVIEW
NOT TO BE USED FOR CONSTRUCTION

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Original Issue Signatures

Drawn	J. LOPEZ	Original Size	A1
Designed	K. ROBINSON	Height Datum	AHD
Project Manager	N. BIASON	Grid	MGA/94-56
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Project

OAKDALE ESTATE PRECINCT 2

Title

COVER SHEET, LOCALITY PLAN AND DRAWING SCHEDULE

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Project Number: 30236891

Issue: 02

Drawing No: OP2-AAP-DA-DRG-CI-0001

GENERAL

- THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE FAIRFIELD CITY COUNCIL SPECIFICATIONS FOR ROADWORKS AND DRAINAGE ASSOCIATED WITH SUBDIVISIONS AND OTHER DEVELOPMENTS AND SUBDIVISION WORKS RELEVANT AUSTRALIAN STANDARDS, OTHER CONSULTANTS DRAWINGS AND SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED.
- ANY DISCREPANCIES OR OMISSIONS SHALL BE REFERRED TO THE SUPERINTENDENT FOR A DECISION BEFORE PROCEEDING WITH THE WORK.
- ALL WORKMANSHIP AND MATERIALS SHALL COMPLY WITH THE BUILDING CODE OF AUSTRALIA AS AMENDED AND THE APPROPRIATE AND CURRENT AUSTRALIAN STANDARDS.
- ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- DIMENSIONS SHALL NOT BE OBTAINED BY SCALING THE DRAWINGS.
- ALL DIMENSIONS SHOWN ON THE DRAWINGS SHALL BE VERIFIED ON SITE BY THE BUILDER PRIOR TO CONSTRUCTION OR FABRICATION.
- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH FAIRFIELD CITY COUNCIL SPECIFICATIONS FOR ROADWORKS AND DRAINAGE ASSOCIATED WITH SUBDIVISIONS AND OTHER DEVELOPMENTS, ENGINEERING CONSTRUCTION CODE AND STANDARD DRAWINGS, WHERE DISCREPANCIES OCCUR THE MORE STRINGENT SPECIFICATION WILL TAKE PRECEDENCE.
- THE CONTRACTOR SHALL LOCATE AND LEVEL ALL EXISTING SERVICES PRIOR TO COMMENCING CONSTRUCTION AND SHALL MAKE ALL NECESSARY ARRANGEMENTS WITH THE RELEVANT AUTHORITY TO RELOCATE OR ADJUST AS REQUIRED. ALL COSTS TO BE BORNE BY THE APPLICANT.
- THE CONTRACTOR SHALL NOT ENTER UPON OR DO ANY WORK WITHIN ADJACENT LAND WITHOUT PRIOR WRITTEN PERMISSION OF THE LAND OWNER.
- THE CONTRACTOR SHALL PROVIDE MINIMUM 48 HOURS NOTICE TO THE PRINCIPAL FOR ALL INSPECTIONS.

FINISHED SURFACE LEVELS

- ALL FINISHED SURFACE LEVELS ARE +/- 1m U.N.O.

SITWORKS NOTES

- ORIGIN OF LEVELS:- REFER SURVEY NOTES.
- CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCIES TO BE REPORTED TO THE SUPERINTENDENT.
- MAKE SMOOTH CONNECTION WITH EXISTING WORKS.
- ALL TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO THE SAME DENSITY AS THE ADJACENT MATERIAL.
- ALL SERVICE TRENCHES UNDER VEHICULAR PAVEMENTS SHALL BE BACKFILLED IN ACCORDANCE WITH FAIRFIELD CITY ENGINEERING DESIGN FOR DEVELOPMENT GUIDELINES AND H33 BEDDING OR RELEVANT AUTHORITY STANDARD.
- ALL BASE COURSE MATERIAL SHALL BE COMPACTED TO MINIMUM 98% MODIFIED DENSITY IN ACCORDANCE WITH AS 1289 5.2.1.
- ALL SUB-BASE COURSE MATERIAL SHALL BE COMPACTED TO MINIMUM 95% MODIFIED DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. BEFORE PLACING FILL, PROOF ROLL EXPOSED SUBGRADE WITH AN 8 TONNE (MIN) DEADWEIGHT SMOOTH DRUM NON-VIBRATORY ROLLER TO DETECT THEN REMOVE SOFT SPOTS (AREAS WITH MORE THAN 2mm MOVEMENT UNDER ROLLER). SOFT SPOTS ARE TO BE REPLACED WITH SUITABLE SELECT FILL FOR A DEPTH OF AT LEAST 0.5m OR AS ADVISED BY THE GEOTECHNICAL ENGINEER.
- SELECT MATERIAL FOR BACKFILLING SHALL BE GRANULAR MATERIAL WHICH IS NATURALLY OCCURRING, HAVING A PARTICLE SIZE DISTRIBUTION, DETERMINED IN ACCORDANCE WITH AS 1289 3.6.1. SELECT MATERIAL CAN BE CRUSHED ROCK, NATURAL SOIL, GRAVEL AND SAND, OR OTHER APPROVED GRANULAR MATERIAL CONSISTING OF CLEAN, SOUND, DURABLE FRAGMENTS, FREE FROM ORGANIC MATTER FROM AN APPROVED SOURCE. GRADING LIMITS FOR SELECT FILL SHALL BE IN ACCORDANCE WITH AS 3725 AND FAIRFIELD CITY COUNCIL ENGINEERING DESIGN FOR DEVELOPMENT GUIDELINES.
- ALL FREQUENCY OF COMPACTION TESTING SHALL BE IN ACCORDANCE WITH FAIRFIELD CITY COUNCIL ENGINEERING OR RELEVANT AUSTRALIAN STANDARDS.
- FILL MATERIAL SHALL BE SPREAD IN LAYERS MAXIMUM 300mm THICK AND COMPACTED TO SPECIFICATION.
- WHERE NOTED ON THE DRAWINGS THAT WORKS ARE TO BE CARRIED BY OTHERS (ie. ADJUSTMENT OF SERVICES), THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CO-ORDINATION OF THESE WORKS.

KERB AND GUTTER NOTES

- ALL CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 32MPa U.N.O IN REINFORCED CONCRETE NOTES.
- ALL KERBS, GUTTERS, DISH DRAINS AND CROSSINGS TO BE CONSTRUCTED ON MIN. 175mm DGB20 COMPACTED TO MINIMUM 98% MODIFIED DRY DENSITY (AS 1289 5.2.1).
- EXPANSION JOINTS (E.J.) TO BE FORMED FROM 12mm COMPRESSIBLE JOINT 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 9m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE EXPANSION JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLABS.
- WEAKENED PLANE JOINTS TO BE 3mm TO 5mm WIDE AND LOCATED AT 900mm CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE WEAKENED PLANE JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLABS.
- LIGHT BROOM FINISH TO ALL FOOTPATHS, PRAM RAMPS AND DRIVEWAYS.
- 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 KERB AND GUTTER IS TO BE COMPLETELY REMOVED WHERE NEW KERB AND GUTTER IS SHOWN.

STREET FURNITURE

- ALL SIGNAGE TO BE IN ACCORDANCE WITH THE CURRENT VERSION OF THE R.M.S REGULATORY SIGNS MANUAL.
- ALL LAMP COLUMNS TO BE IN ACCORDANCE WITH FAIRFIELD CITY COUNCIL AND /OR ENDEAVOUR ENERGY ENERGY SPECIFICATIONS.

SURVEY NOTES

- THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN INVESTIGATED BY LTS LOCKLEY. SURVEY IS IN MGA94 COORDINATE SYSTEM AND TO AUSTRALIAN HEIGHT DATUM.
- THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN. ARCADIS DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE SURVEY BASE OR ITS SUITABILITY AS A BASIS FOR CONSTRUCTION DRAWINGS.
- REFER TO LTS LOCKLEY DRAWING 50404 016CON FOR CONTROL MARKS LOCATIONS AND LEVEL.

TRAFFIC CONTROL NOTES

- A TRAFFIC CONTROL PLAN IF REQUIRED IS TO BE PREPARED AND LODGED WITH COUNCIL BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION.

GEOTECHNICAL NOTES

- THE CONTRACTOR SHALL REVIEW FORTIFY GEOTECH GEOTECHNICAL INVESTIGATION REPORT DATED OCTOBER - DECEMBER 2023 REFERENCE NUMBER: 86545.14.R.109.Rev0 TO SATISFY THEMSELVES OF THE ANTICIPATED GROUND CONDITIONS DURING EARTHWORKS. THE CONTRACTOR MUST ALLOW FOR ADDITIONAL GEOTECHNICAL INVESTIGATIONS & TESTING DURING CONSTRUCTION TO VERIFY SUBGRADE CONDITIONS AND APPROPRIATE TREATMENTS ON SITE THAT ARE CONSISTENT WITH THE PARAMETERS USED IN THE PAVEMENT DESIGN.

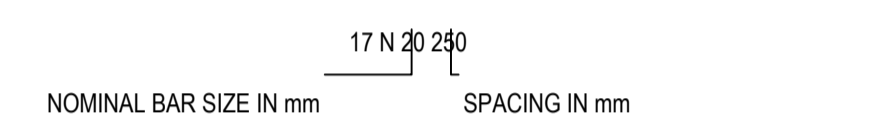
CONCRETE NOTES

- ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 CURRENT EDITION WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS AND FAIRFIELD CITY COUNCIL SPECIFICATIONS FOR ROADWORKS AND DRAINAGE ASSOCIATED WITH SUBDIVISIONS AND OTHER DEVELOPMENTS - CONCRETE PAVEMENT NOTES.
- CONCRETE QUALITY
ALL REQUIREMENTS OF THE CURRENT AUSTRALIAN STANDARD SHALL APPLY TO THE FORMWORK, REINFORCEMENT AND CONCRETE UNLESS NOTED OTHERWISE.

ELEMENT	AS3600 f _c MPA AT 28 DAYS	SPECIFIED SLUMP	NOMINAL AGG. SIZE
VEHICULAR BASE	32	60	20
KERBS, PATHS AND PITS	32	60	20
DRAINAGE PITS	32	60	20
RETAINING WALL FOOTING	32	80	20
IN CONTACT WITH SALTWATER	40	80	20
IN CONTACT WITH ACID SULFATE SOIL	50	80	20

- CEMENT TYPE SHALL BE (AS 3600) TYPE SL
- CEMENT TYPE SHALL BE TYPE SR FOR ALL ELEMENTS IN CONTACT WITH ACID SULFATE SOIL
- PROJECT CONTROL TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH AS 1319.

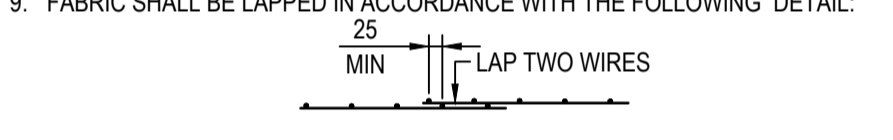
- NO ADMIXTURES SHALL BE USED IN CONCRETE UNLESS APPROVED IN WRITING BY ARCADIS.
- CLEAR CONCRETE COVER TO ALL REINFORCEMENT FOR DURABILITY SHALL BE 50mm TOP AND 70mm FOR EXTERNAL EDGES UNLESS NOTED OTHERWISE.
- ALL REINFORCEMENT SHALL BE FIRMLY SUPPORTED ON MILD STEEL PLASTIC TIPPED CHAIRS, PLASTIC CHAIRS OR CONCRETE CHAIRS AT NOT GREATER THAN 1m CENTRES BOTH WAYS. BARS SHALL BE TIED AT ALTERNATE INTERSECTIONS. 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 RMS SPECIFICATION R83.
- REINFORCEMENT SYMBOLS:
N - DENOTES GRADE 450 N BARS TO AS 4671 GRADE N
R - DENOTES 230 R HOT ROLLED PLAIN BARS TO AS 4671
SL - DENOTES HARD-DRAWN WIRE REINFORCING FABRIC TO AS 4671
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 4671.
- REINFORCEMENT SHOULD HAVE THE FOLLOWING MINIMUM COVER:
 - 40mm MINIMUM (AS PER FAIRFIELD CITY COUNCIL SPECIFICATIONS)
 - 50mm FOR CONCRETE CAST IN CONTACT WITH EARTH OR FRESH WATER
 - 55mm FOR CONCRETE CAST IN CONTACT WITH SALTWATER
 - 65mm FOR CONCRETE CAST IN CONTACT WITH ACID SULFATE SOIL
 - AS NOTED ON DESIGN DRAWINGS AND DETAILS

- FABRIC SHALL BE LAPPED IN ACCORDANCE WITH THE FOLLOWING DETAIL:



JOINTING NOTES

PEDESTRIAN PAVEMENT JOINTS

- ALL PEDESTRIAN PAVEMENTS ARE TO BE JOINTED IN ACCORDANCE WITH FAIRFIELD CITY COUNCIL STANDARD DRAWING S1.
- WHERE POSSIBLE JOINTS SHOULD BE LOCATED TO MATCH KERBING AND/OR ADJACENT PAVEMENT JOINTS.
- PEDESTRIAN PAVEMENT JOINT LOCATIONS TO BE CONFIRMED BY PAVEMENT DESIGN FOLLOWING IN-SITU MATERIAL TESTING AND FAIRFIELD CITY COUNCIL ENGINEERING DESIGN CODE.
- REFER TO LANDSCAPE ARCHITECTS PLANS FOR ALL OTHER PEDESTRIAN PAVEMENT JOINT SPECIFICATIONS.

PAVEMENT NOTES:

- PAVEMENT IS TO BE INSTALLED IN ACCORDANCE WITH FAIRFIELD CITY COUNCIL ENGINEERING DESIGN FOR DEVELOPMENT GUIDELINES SECTION 2.0 PAVEMENT DESIGN.
- SUBSOIL DRAINAGE TO BE PROVIDED IN ACCORDANCE WITH FAIRFIELD CITY COUNCIL ENGINEERING DESIGN FOR DEVELOPMENT GUIDELINES SECTION 2.2.7 (IX) SUBSOIL DRAINAGE.

EROSION AND SEDIMENT CONTROL NOTES

GENERAL INSTRUCTIONS

- THE SITE SUPERINTENDENT/ENGINEER WILL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE IMPLEMENTED AND MAINTAINED TO SUIT THE CONSTRUCTION STAGING AND METHODOLOGY AND THE SITE AND WEATHER CONDITIONS AT THE TIME.
- ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE
 - WITH LOCAL AUTHORITY REQUIREMENTS
 - EPA REQUIREMENTS
 - LANDCOM MANUAL "MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION", 4th EDITION, MARCH 2004.
- MAINTAIN THE EROSION CONTROL DEVICES TO THE SATISFACTION OF THE SUPERINTENDENT AND THE LOCAL AUTHORITY.
- WHEN STORMWATER PITS ARE CONSTRUCTED, PREVENT SITE RUNOFF ENTERING UNLESS SEDIMENT FENCES ARE ERECTED AROUND PITS OR THE STORMWATER OUTLET PITS AND PIPES HAVE BEEN CONSTRUCTED.
- 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

- WHERE PRACTICAL, THE SOIL EROSION HAZARD ON THE SITE WILL BE KEPT AS LOW AS POSSIBLE.

EROSION CONTROL

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

SEDIMENT CONTROL

- 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.
- CONTRACTOR TO DESIGN AND MANAGE ALL OF THE STOCKPILE REQUIREMENTS.
- CONTRACTOR TO CONSIDER CONSTRUCTION ENVIRONMENTAL MANAGEMENT REPORT. ANY PROTECTED TREES TO BE REMOVED SHALL BE CONSULTED WITH THE ARBORIST.
- 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.
- TEMPORARY SOIL AND WATER MANAGEMENT STRUCTURES WILL BE REMOVED ONLY AFTER THE LANDS THEY ARE PROTECTING ARE REHABILITATED.

OTHER MATTERS

- ACCEPTABLE RECEPTORS WILL BE PROVIDED FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT WASTE MATERIALS AND LITTER.
- ALL TREES WITHIN THE EXTENT OF PROPOSED WORKS ARE TO BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
- PRIOR TO DISCHARGE OF SITE STORMWATER, GROUNDWATER AND SEEPAGE WATER INTO COUNCIL'S STORMWATER SYSTEM, CONTRACTORS MUST UNDERTAKE WATER QUALITY TESTS IN CONJUNCTION WITH A SUITABLY QUALIFIED ENVIRONMENTAL CONSULTANT OUTLINING THE FOLLOWING:

- COMPLIANCE WITH THE CRITERIA OF THE AUSTRALIA AND NEW ZEALAND GUIDELINES FOR FRESH AND MARINE WATER QUALITY (2000).
- IF REQUIRED SUBJECT TO THE ENVIRONMENTAL CONSULTANTS ADVICE, PROVIDE REMEDIAL MEASURES TO IMPROVE THE QUALITY OF WATER THAT IS TO BE DISCHARGED INTO COUNCIL'S STORMWATER DRAINAGE SYSTEM. THIS SHOULD INCLUDE COMMENTS FROM A SUITABLY QUALIFIED ENVIRONMENTAL CONSULTANT CONFIRMING THE SUITABILITY OF THESE REMEDIAL MEASURES FOR MANAGE THE WATER DISCHARGED FROM THE SITE INTO COUNCIL'S STORM WATER DRAINAGE SYSTEM. OUTLINING THE PROPOSED, ONGOING MONITORING, CONTINGENCY PLANS AND VALIDATION PROGRAM THAT WILL BE IN PLACE TO CONTINUALLY MONITOR THE QUALITY OF WATER DISCHARGED FROM THE SITE. THIS SHOULD OUTLINE THE FREQUENCY OF WATER QUALITY TESTING THAT WILL BE UNDERTAKEN BY A SUITABLY QUALIFIED ENVIRONMENTAL CONSULTANT.
- ANY ACCUMULATED WATER CONTAMINATED WITH SEDIMENT, FROM A SEDIMENT BASIN OR EXCAVATION PIT, IS TO BE FLOCCULATED OR FILTERED IN ORDER TO LOWER THE SUSPENDED SOLID LOAD TO LESS THAN 50mg PER LITRE GYPSUM GAS OR OTHER APPROVED FLOCCULANT SHOULD BE APPLIED WITHIN 24 HOURS OF THE END OF THE STORM EVENT. THE GYPSUM MUST BE SPREAD EVENLY OVER THE ENTIRE WATER SURFACE. PUMPING IS NOT TO OCCUR FOR AT LEAST 36 HOURS AND PREFERABLY 48 HOURS AFTER APPLICATION. CLEAN WATER IS TO BE DISCHARGED TO THE WATER TABLE VIA A STRAW BALE SEDIMENT FILTER IN A WAY THAT DOES NOT PICK UP SEDIMENT THAT HAS DRIPPED TO THE BOTTOM. NOTE: GYPSUM IS A HYDRATED FORM OF CALCIUM SULPHATE AND IS AVAILABLE AT MANY SWIMMING POOL SHOPS AND HARDWARE STORES.

STORMWATER DRAINAGE NOTES

- STORMWATER DESIGN CRITERIA:
SITE DRAINAGE
5% AEP MINOR STORM EVENT
1% AEP MAJOR STORM EVENT
- ALL STORMWATER DRAINAGE INFRASTRUCTURE TO BE CONSTRUCTED IN ACCORDANCE WITH RELEVANT FAIRFIELD CITY COUNCIL STANDARDS.
- REINFORCED CONCRETE CLASS 3 APPROVED SPIGOT AND SOCKET WITH RUBBER BINGS JOINTS.
- REINFORCED BOX CULVERTS TO BE EXPOSURE CLASS C2.
- PIPES UP TO 300mm DIA SHALL BE BACKFILLED WITH COMPACTED GRANULAR MATERIAL AND INSTALLED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATION.
- ALL STORMWATER TRENCHES AND BEDDING SHALL BE BACKFILLED IN ACCORDANCE WITH FAIRFIELD CITY COUNCIL ENGINEERING DESIGN DEVELOPMENT.
- ALL INTERNAL STORMWATER DRAINAGE WORKS WITHIN PROPERTY BOUNDARIES ARE TO COMPLY WITH THE REQUIREMENTS OF AS 3500 3.1 AND AS/NZS 3500 3.2.
- ENLARGERS, CONNECTIONS AND JUNCTIONS TO BE PREFABRICATED FITTINGS WHERE PIPES ARE LESS THAN 300 DIA.
- WHERE SUBSOIL DRAINS PASS UNDER FLOOR SLABS AND VEHICULAR PAVEMENTS, UNSLOTTED uPVC SEWER GRADE PIPE IS TO BE USED.
- CARE IS TO BE TAKEN WITH LEVELS OF STORMWATER LINES. GRADES SHOWN ARE NOT TO BE REDUCED WITHOUT APPROVAL.
- GRATES AND COVERS SHALL CONFORM TO AS 3996.
- AT ALL TIMES DURING CONSTRUCTION OF STORMWATER PITS, ADEQUATE SAFETY PROCEDURES SHALL BE TAKEN TO ENSURE AGAINST THE POSSIBILITY OF PERSONNEL FALLING DOWN PITS.
- 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.
- STEP IRONS ARE TO BE PROVIDED IN ALL PITS DEEPER THAN 1.2m IN ACCORDANCE WITH FAIRFIELD CITY COUNCIL ENGINEERING SPECIFICATIONS.
- COMPLETELY FILLING THE FORMWORK AND PRIOR TO PRACTICAL COMPLETION, THIS INCLUDES ALL EXISTING PIPES THAT ARE TO BE RETAINED.
- PIPES ARE DESIGNED FOR OPERATIONAL LOADS ONLY. APPROPRIATE MEASURES SHOULD BE TAKEN TO PROTECT PIPES DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY DAMAGED PIPE.
- PREFABRICATED PITS TO COME FROM A QUALITY ASSURED SUPPLIER. CONTRACTOR TO INSPECT PITS WHEN DELIVERED TO SITE PRIOR TO INSTALLATION. ONLY THE DESIGNED KNOCKOUT AREAS TO BE USED FOR PIPE ENTRIES. ANY CRACKS IN PITS OR EVIDENCE THAT CONTRACTOR HAS EXTENDED THE KNOCKOUT AREA SHALL RENDER THE PIT UNACCEPTABLE. IT IS RECOMMENDED TO SAW CUT THE KNOCK OUT AREA WHEN CREATING THE OPENING IN THE PIT FOR THE PIPE TO MINIMISE POTENTIAL DAMAGE TO PIT.
- CONTRACTOR TO CCTV STORMWATER DRAINAGE NO SOONER THAN AFTER BASE COURSE LAYER IS PLACED. ANY DAMAGE TO PIPES / CULVERTS MUST BE REPORTED TO THE PCA PRIOR TO UNDERTAKING ANY REPAIRS. IT IS TO BE NOTED THAT ANY DAMAGE TO PIPES / CULVERTS IDENTIFIED IN THE CCTV REPORT THAT ARE LOCATED UNDER ROADS SHALL AS A MINIMUM REQUIRE A FULL REPAIR FROM PIT TO PIT. CIRCUMFERENTIAL CRACKS IN OTHER LOCATIONS SHALL AS A MINIMUM REQUIRE A SLEEVE REPAIR. THE REPAIR SHALL BE DONE BY AN APPROVED CONTRACTOR. A CCTV REPORT ON ALL REPAIRS WILL BE REQUIRED BY COUNCIL.
- PVC PIPES SHOULD BE INSTALLED IN ACCORDANCE WITH AS 2032:2006 INSTALLATION OF PVC PIPE SYSTEMS.

TELSTRA - DUTY OF CARE NOTE

- TELSTRA'S PLANS SHOW ONLY THE PRESENCE OF CABLES AND PLANT. THEY ONLY SHOW THEIR POSITION RELATIVE TO ROAD BOUNDARIES, PROPERTY FENCES ETC. AT THE TIME OF INSTALLATION AND TELSTRA DOES NOT WARRANT OR HOLD OUT THAT SUCH PLANS ARE ACCURATE THEREAFTER DUE TO CHANGES THAT MAY OCCUR OVER TIME. DO NOT ASSUME DEPTH OR ALIGNMENT OF CABLES OR PLANT AS THESE VARY SIGNIFICANTLY.
- THE CONTRACTOR HAS A DUTY OF CARE WHEN EXCAVATING NEAR TELSTRA CABLES AND PLANT. BEFORE USING MACHINE EXCAVATORS TELSTRA PLANT MUST FIRST BE PHYSICALLY EXPOSED BY SOFT DIG POTHOLES TO IDENTIFY ITS LOCATION TELSTRA WILL SEEK COMPENSATION FOR DAMAGES CAUSED TO ITS PROPERTY AND LOSSES CAUSED TO TELSTRA AND ITS CUSTOMERS.

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. ARCADIS 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.

BIO RETENTION NOTES

- FILTER MEDIA LAYER SHALL CONFORM WITH THE SPECIFICATIONS OF FAWB GUIDELINES FOR BIOFILTRATION MEDIA (VERSION 3.01) AND WATER BY DESIGN SPECIFICATIONS 'BIO RETENTION TECHNICAL DESIGN GUIDELINES VERSION 1'. THE MINIMUM ORGANIC CONTENT OF THE FILTER MEDIA SHALL BE 3%.
- TRANSITION AND DRAINAGE MEDIA LAYER SHALL CONFORM WITH THE SPECIFICATIONS OF FAWB GUIDELINES FOR BIOFILTRATION MEDIA (VERSION 3.01) AND WATER BY DESIGN SPECIFICATIONS 'BIO RETENTION TECHNICAL DESIGN GUIDELINES VERSION 1'.
- THE CONTRACTOR IS RESPONSIBLE FOR UNDERTAKING DETAILED SURVEY OF EACH LAYER OF THE MEDIA INSTALLED INCLUDING THE SUBGRADE AND FINISHED LEVEL SURVEYS. THE DIGITAL SURVEY DATA FOR EACH LAYER IS TO BE ISSUED TO THE SUPERINTENDENT FOR REVIEW PRIOR TO THE SUBSEQUENT LAYER BEING INSTALLED. THE REQUIRED TOLERANCES FOR CONSTRUCTION OF THE MEDIA LAYERS IS INCLUDED IN THE WATER BY DESIGN CONSTRUCTION AND ESTABLISHMENT SIGN OFF FORMS - BIORETENTION SYSTEMS (VERSION 1.1). ALL COSTS ASSOCIATED WITH THE DETAILED SURVEY OF THE BIORETENTION SYSTEMS, THE STAGED CONSTRUCTION APPROACH DUE TO THE SURVEY REVIEW PROCESS, AND ANY REMEDS REQUIRED AS A RESULT OF THE SURVEY REVIEWS ARE DEEMED INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR THE PROJECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CO-SIGNING THE WATER BY DESIGN CONSTRUCTION AND ESTABLISHMENT SIGN OFF FORMS - BIORETENTION SYSTEMS (VERSION 1.1) AT THE TIME OF CONSTRUCTION OF THE BIORETENTION SYSTEMS AS WELL AS MANAGING AND COMPLYING WITH THE RELEVANT HOLD AND WITNESS POINTS SPECIFIED IN THESE FORMS.
- THE MINIMUM HYDRAULIC CONDUCTIVITY OF ANY LAYER OF BIO BASIN MEDIA SHALL BE 200mhr.

Issue	Description	DR	CH	VE	Date
02	ISSUE FOR DEVELOPMENT APPLICATION	JL	KR	JB	20.01.25
01	FOR CLIENT REVIEW	JL	KR	NB	18.10.24

Scales	



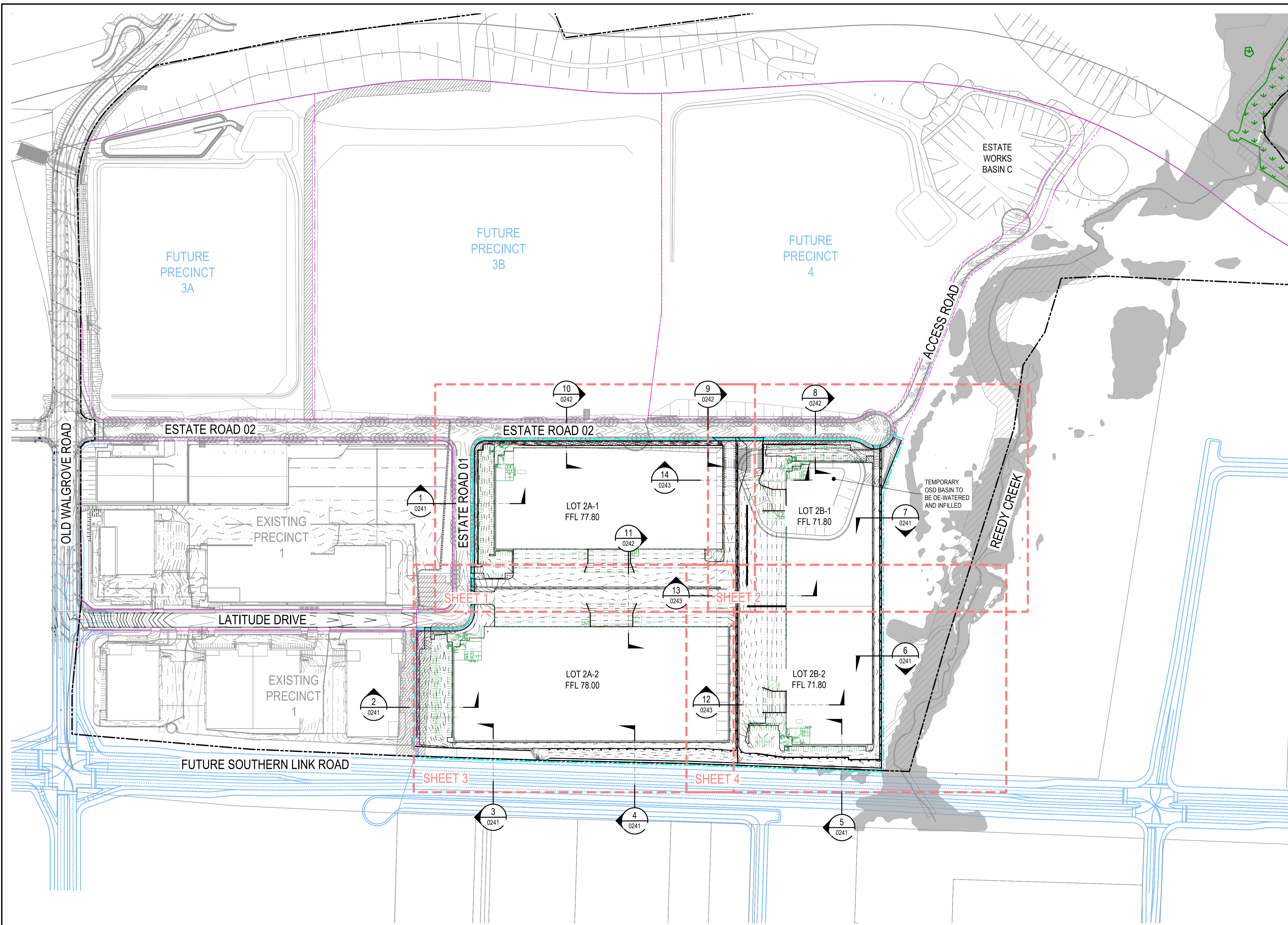
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Original Issue Signatures		Original Size	
Drawn	J. LOPEZ	Original Size	A1
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Project Manager	N. BIASON	Grid	MGA/94-56
Verified	J. BARRETT		

Project	
OAKDALE ESTATE PRECINCT 2	
Title	
GENERAL NOTES	

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Project Number	30236891
Issue	02

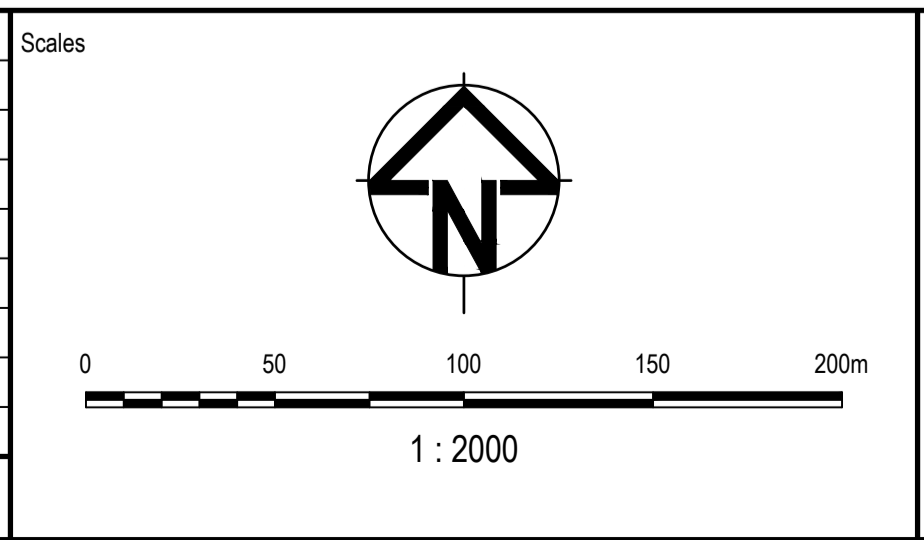
OP2-AAP-DA-DRG-CI-0021



LEGEND

- EXTENT OF WORKS
- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- EXISTING CONTOURS
- PROPOSED CONTOURS
- PROPOSED ARCHITECTURAL
- EXISTING TREES TO BE RETAINED

Issue	Description	DR	CH	VE	Date
02	ISSUE FOR DEVELOPMENT APPLICATION	JL	KR	JB	20.01.25
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Verified J. BARRETT	

Project

**OAKDALE ESTATE
PRECINCT 2**

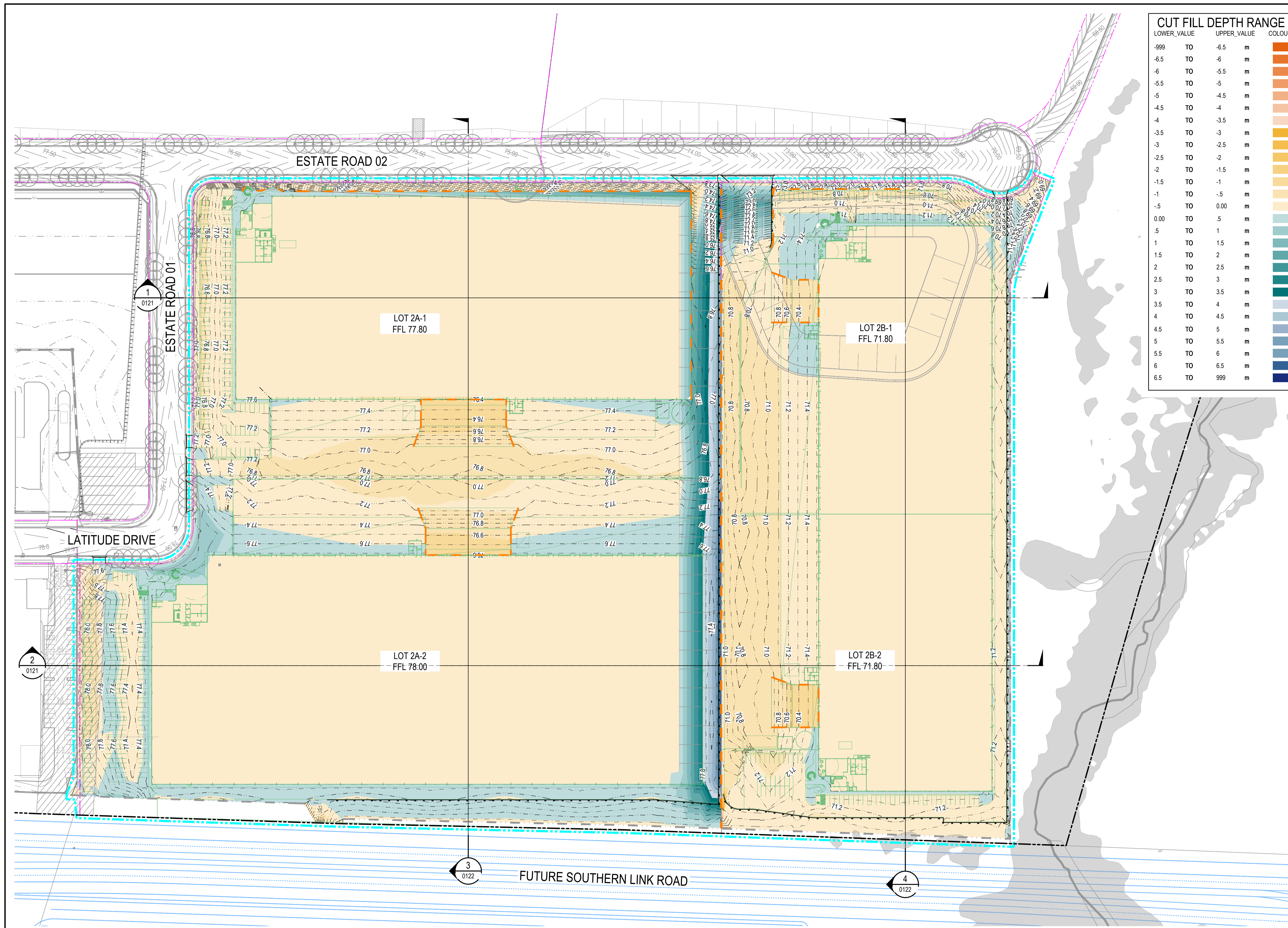
Title

**GENERAL ARRANGEMENT
PLAN**

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Project Number	30236891
Issue	02

Drawing No: **OP2-AAP-DA-DRG-CI-0061**



CUT FILL DEPTH RANGE		
LOWER VALUE	UPPER VALUE	COLOUR
-9.9	TO -6.5	m
-6.5	TO -6	m
-6	TO -5.5	m
-5.5	TO -5	m
-5	TO -4.5	m
-4.5	TO -4	m
-4	TO -3.5	m
-3.5	TO -3	m
-3	TO -2.5	m
-2.5	TO -2	m
-2	TO -1.5	m
-1.5	TO -1	m
-1	TO -0.5	m
-0.5	TO 0.00	m
0.00	TO 0.5	m
0.5	TO 1	m
1	TO 1.5	m
1.5	TO 2	m
2	TO 2.5	m
2.5	TO 3	m
3	TO 3.5	m
3.5	TO 4	m
4	TO 4.5	m
4.5	TO 5	m
5	TO 5.5	m
5.5	TO 6	m
6	TO 6.5	m
6.5	TO 9.9	m

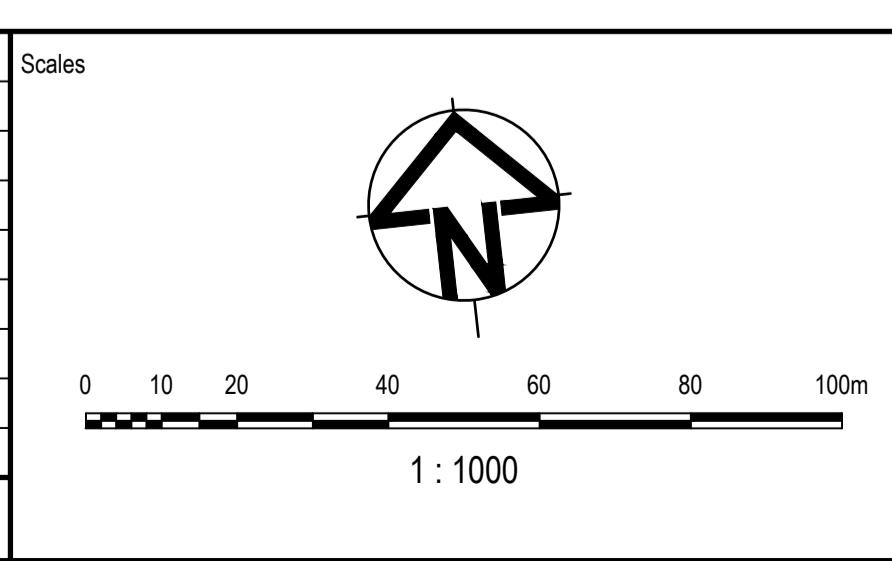
LEGEND	
	EXTENT OF WORKS
	EXISTING BOUNDARY
	PROPOSED BOUNDARY
	PROPOSED RETAINING WALL
	EXISTING RETAINING WALL
	PROPOSED BATTER
	EXISTING CONTOURS
	PROPOSED CONTOURS
	PROPOSED ARCHITECTURAL

- EARTHWORKS NOTES/ASSUMPTIONS**
- HATCHING SHOWN TYPICALLY REPRESENTS DEPTH RANGE BETWEEN THE EXISTING SURFACE AND THE BULK EARTHWORKS SURFACE.
 - THE EXISTING SURFACE IS MADE OF THE FOLLOWING:
 - AT&T INFRASTRUCTURE SSDA BULK EARTHWORKS SURFACE (DATED 17.09.24)
 - THE BULK EARTHWORKS SURFACE ASSUMES THE BELOW PAVEMENT DEPTHS:
 - LIGHT DUTY CARPARK 257mm
 - HEAVY DUTY HARDSTAND 280mm
 - FOOTPATH PAVEMENT 200mm
 - TURFPAVE PAVEMENT 300mm
 - LANDSCAPING 150mm
 - STRUCTURAL SLAB 700mm
 - MEDIAN INFILL 300mm
 ALL PAVEMENT DEPTHS ARE TO BE CONFIRMED DURING DETAILED DESIGN.
 - THE BELOW VOLUMES ARE CALCULATED WITH THE ASSUMPTION THAT THE INFRASTRUCTURE WORKS ARE COMPLETED. REFER 6000 SERIES (SSD-37486043) DRAWING PACKAGE FOR DETAILS.
 - INFRASTRUCTURE EARTHWORKS ARE SUBJECTED TO CHANGE TO REDUCE THE IMPORT AMOUNT. WAE SURVEY TO CONFIRM VOLUMES PRIOR TO DETAILED DESIGN.
 - 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
 - RAINWATER TANKS AND STORMWATER REUSE TANKS

CUT / FILL VOLUMES	
CUT	-40,242.522
FILL	22,017.900
BALANCE (EXPORT)	-18,224.622

NOTE: NO COMPACTION OR BULKING FACTORS HAVE BEEN APPLIED.

Issue	Description	DR	CH	VE	Date
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Status

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Project Manager	N. BIASON
Verified	J. BARRETT

Original Size	A1
Height Datum	AHD
Grid	MGA/94-56

Project

**OAKDALE ESTATE
PRECINCT 2**

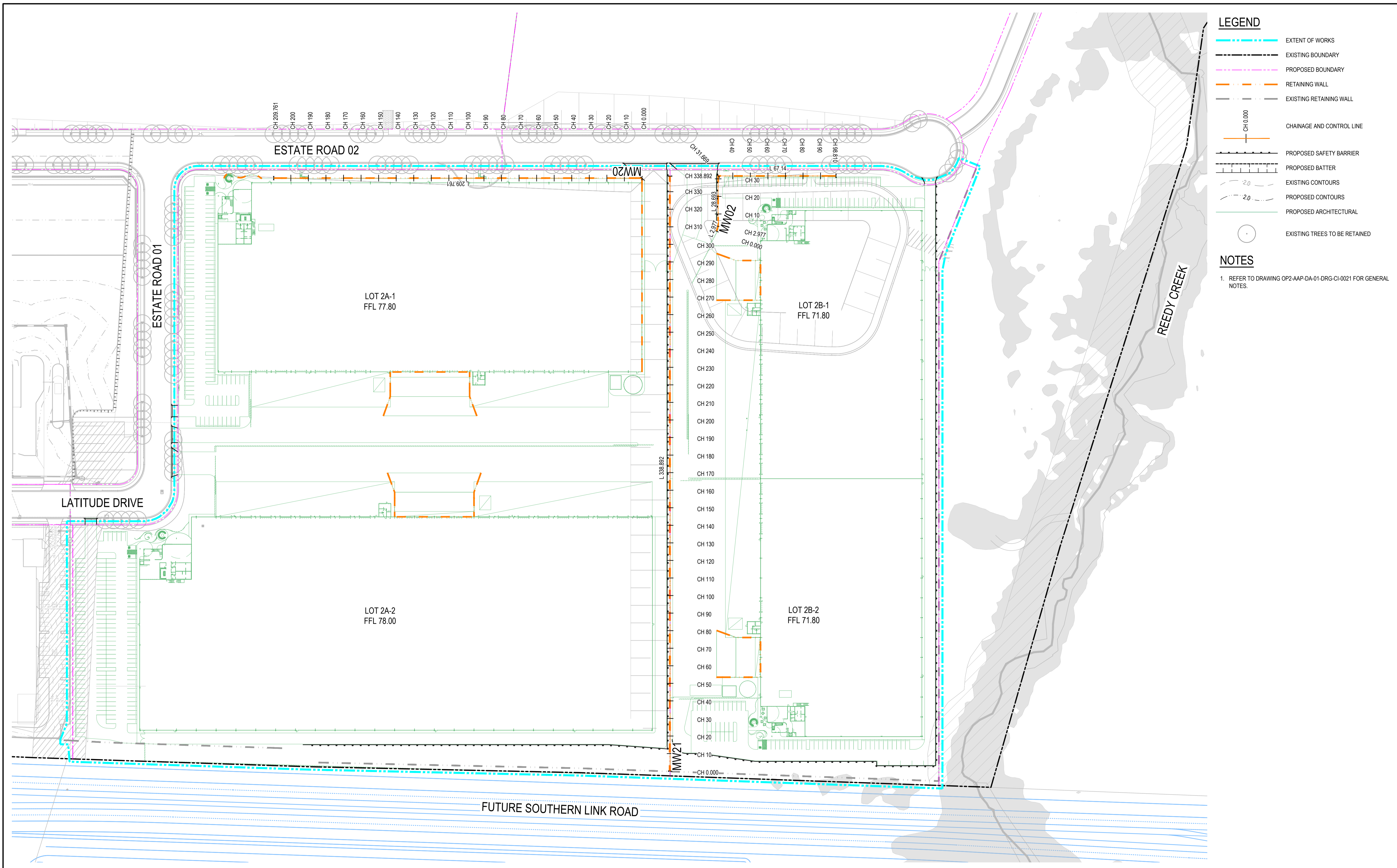
Title

BULK EARTHWORKS PLAN

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Project Number	30236891
Issue	02

Drawing No: **OP2-AAP-DA-DRG-CI-0101**



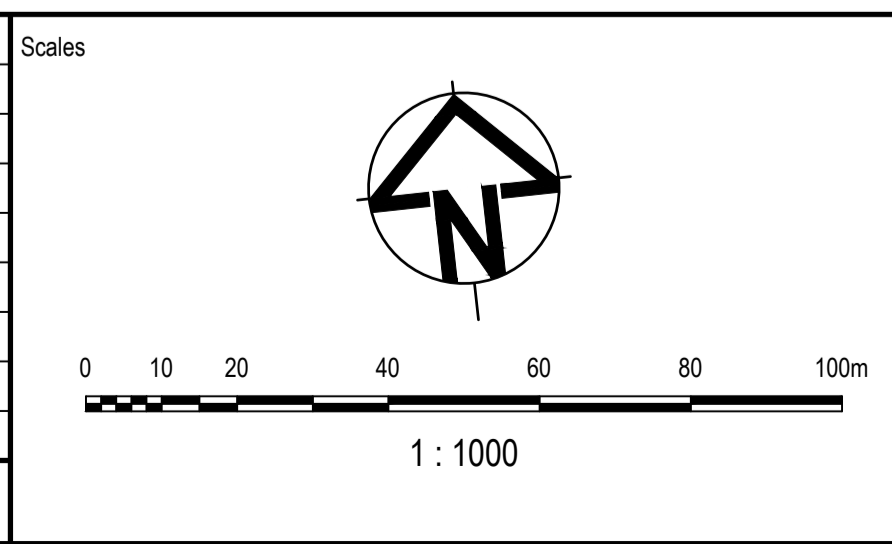
LEGEND

- EXTENT OF WORKS
- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- RETAINING WALL
- EXISTING RETAINING WALL
- CHAINAGE AND CONTROL LINE
- PROPOSED SAFETY BARRIER
- PROPOSED BATTER
- EXISTING CONTOURS
- PROPOSED CONTOURS
- PROPOSED ARCHITECTURAL
- EXISTING TREES TO BE RETAINED

NOTES

1. REFER TO DRAWING OP2-AAP-DA-01-DRG-CI-0021 FOR GENERAL NOTES.

Issue	Description	DR	CH	VE	Date
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Original Size	A1
Height Datum	AHD
Grid	MGA/94-56

Project

**OAKDALE ESTATE
PRECINCT 2**

Title

**RETAINING WALL
PLAN**

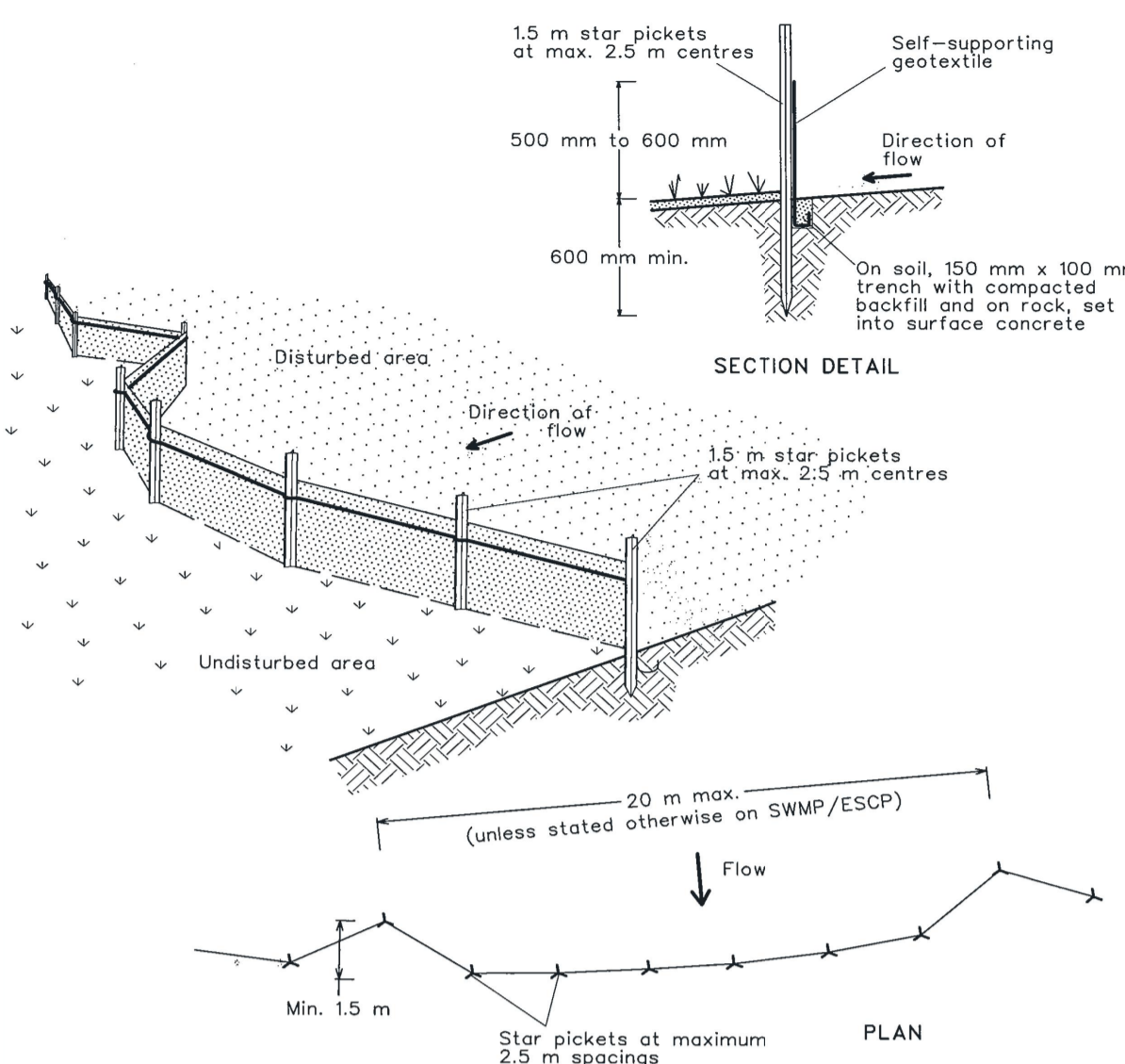
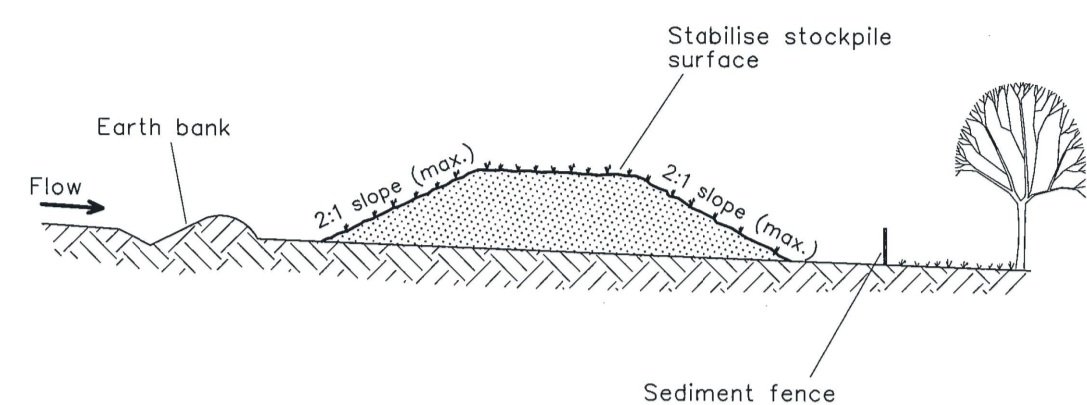
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Project Number	30236891
Issue	02

Drawing No: OP2-AAP-DA-DRG-CI-0141

NOTE

1. EROSION AND SEDIMENT CONTROL DETAILS HAVE BEEN TAKEN DIRECTLY FROM NSW DEPARTMENT OF HOUSING MANUAL, 'MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION' 4TH EDITION, MARCH 2004.

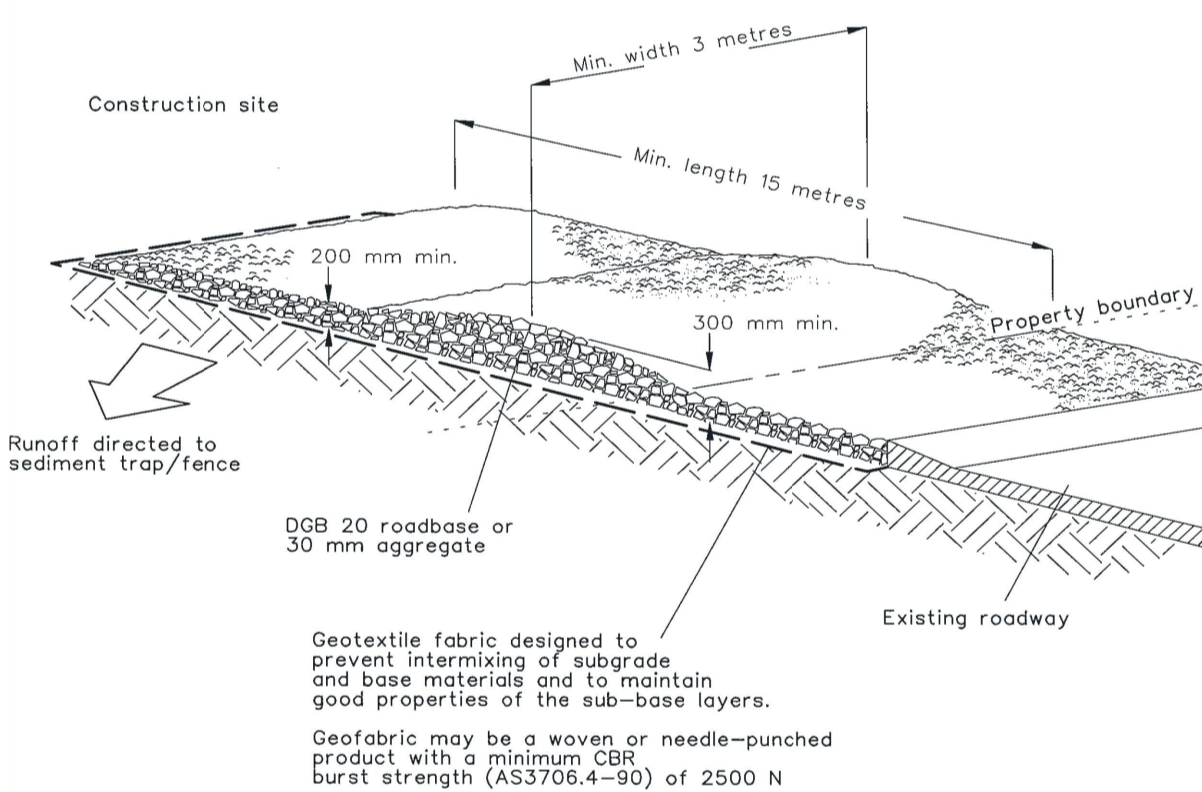


Construction Notes

- Place stockpiles more than 2 (preferably 5) metres from existing vegetation, concentrated water flow, roads and hazard areas.
- Construct on the contour as low, flat, elongated mounds.
- Where there is sufficient area, topsoil stockpiles shall be less than 2 metres in height.
- Where they are to be in place for more than 10 days, stabilise following the approved ESCP or SWMP to reduce the C-factor to less than 0.10.
- Construct earth banks (Standard Drawing 5-5) on the upslope side to divert water around stockpiles and sediment fences (Standard Drawing 6-8) 1 to 2 metres downslope.

STOCKPILES

SD 4-1



Construction Notes

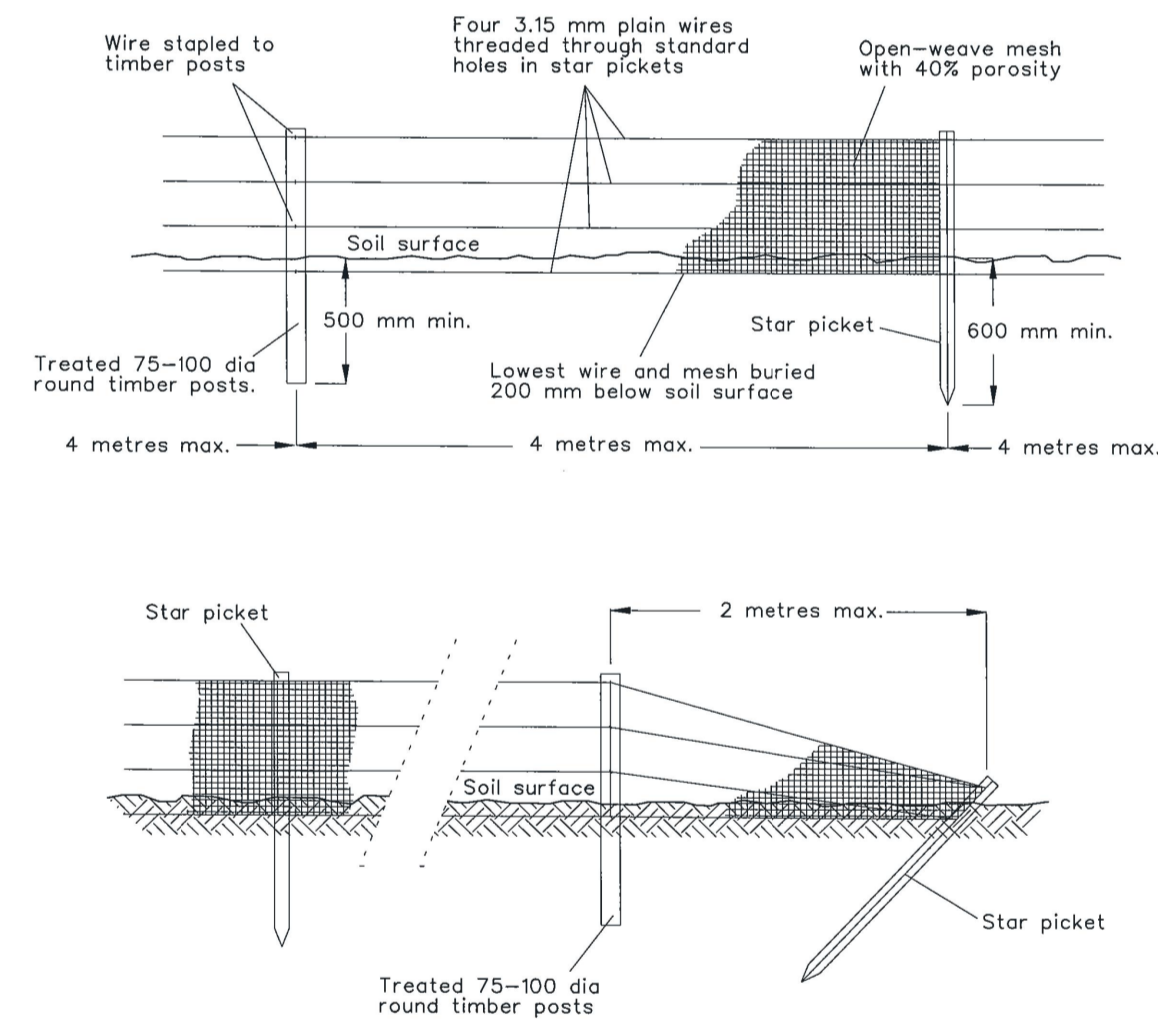
- Strip the topsoil, level the site and compact the subgrade.
- Cover the area with needle-punched geotextile.
- Construct a 200-mm thick pad over the geotextile using road base or 30-mm aggregate.
- Ensure the structure is at least 15 metres long or to building alignment and at least 3 metres wide.
- Where a sediment fence joins onto the stabilised access, construct a hump in the stabilised access to divert water to the sediment fence

STABILISED SITE ACCESS

SD 6-14

SEDIMENT FENCE

SD 6-8

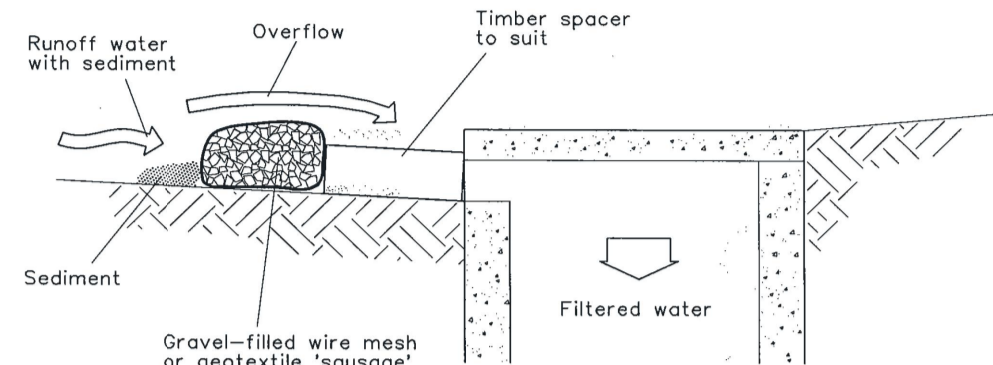
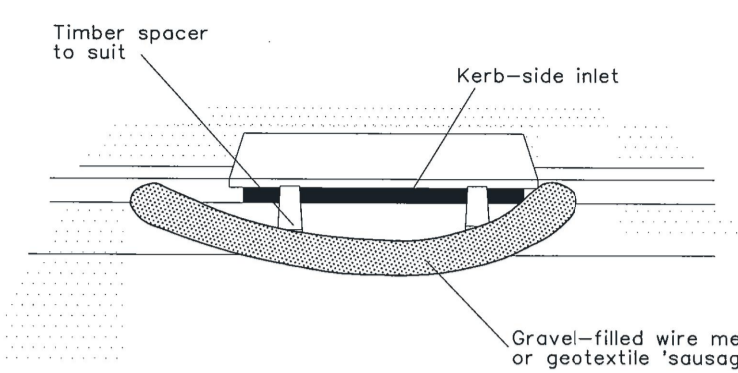


Construction Notes

- Install the fence to the height specified in the ESCP/SWMP.
- Cut a channel 200 mm deep along the fence line.
- Place wire and light resistant, open-weave polymer mesh with 40 percent porosity on the prevailing wind side of fence.
- Fasten the mesh to all wires using ring fasteners at 100 mm to 150 mm intervals on top wire and 300 mm intervals on other wires.
- Use one 75-mm to 100-mm diameter treated round timber post every 20 metres.
- Where star pickets are used, ensure they are fitted with safety caps.

CONTROL OF WIND EROSION

SD 6-15



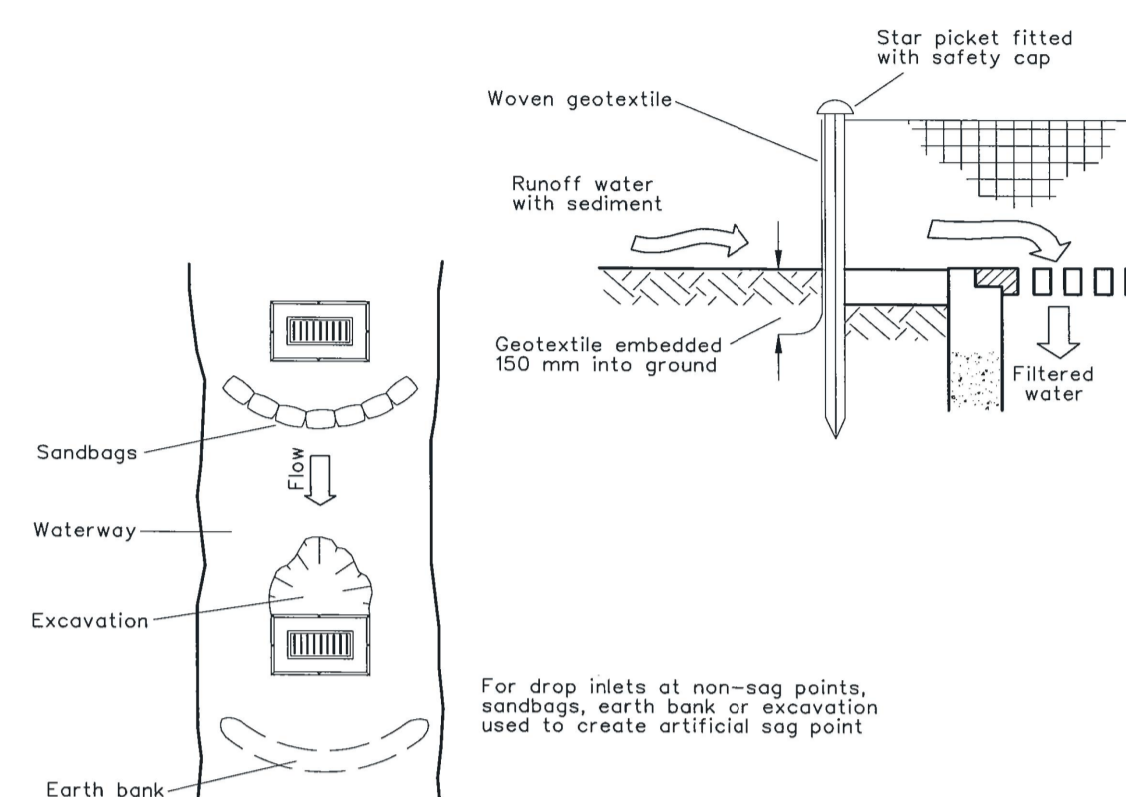
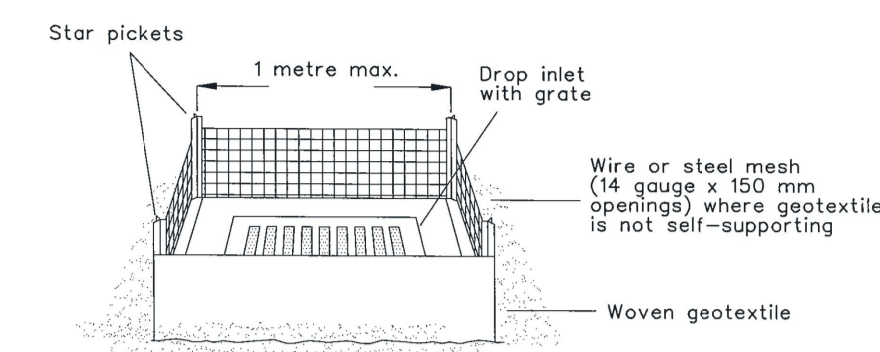
NOTE: This practice only to be used where specified in an approved SWMP/ESCP.

Construction Notes

- Install filters to kerb inlets only at sag points.
- Fabricate a sleeve made from geotextile or wire mesh longer than the length of the inlet pit and fill it with 25 mm to 50 mm gravel.
- Form an elliptical cross-section about 150 mm high x 400 mm wide.
- Place the filter at the opening leaving at least a 100-mm space between it and the kerb inlet. Maintain the opening with spacer blocks.
- Form a seal with the kerb to prevent sediment bypassing the filter.
- Sandbags filled with gravel can substitute for the mesh or geotextile providing they are placed so that they firmly abut each other and sediment-laden waters cannot pass between.

MESH AND GRAVEL INLET FILTER

SD 6-11



Construction Notes

- Fabricate a sediment barrier made from geotextile or straw bales.
- Follow Standard Drawing 6-7 and Standard Drawing 6-8 for installation procedures for the straw bales or geofabric. Reduce the picket spacing to 1 metre centres.
- In waterways, artificial sag points can be created with sandbags or earth banks as shown in the drawing.
- Do not cover the inlet with geotextile unless the design is adequate to allow for all waters to bypass it.

GEOTEXTILE INLET FILTER

SD 6-12

Scales

Architect

Client

Status

Project



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OAKDALE ESTATE
PRECINCT 2

EROSION AND SEDIMENT
CONTROL DETAILS

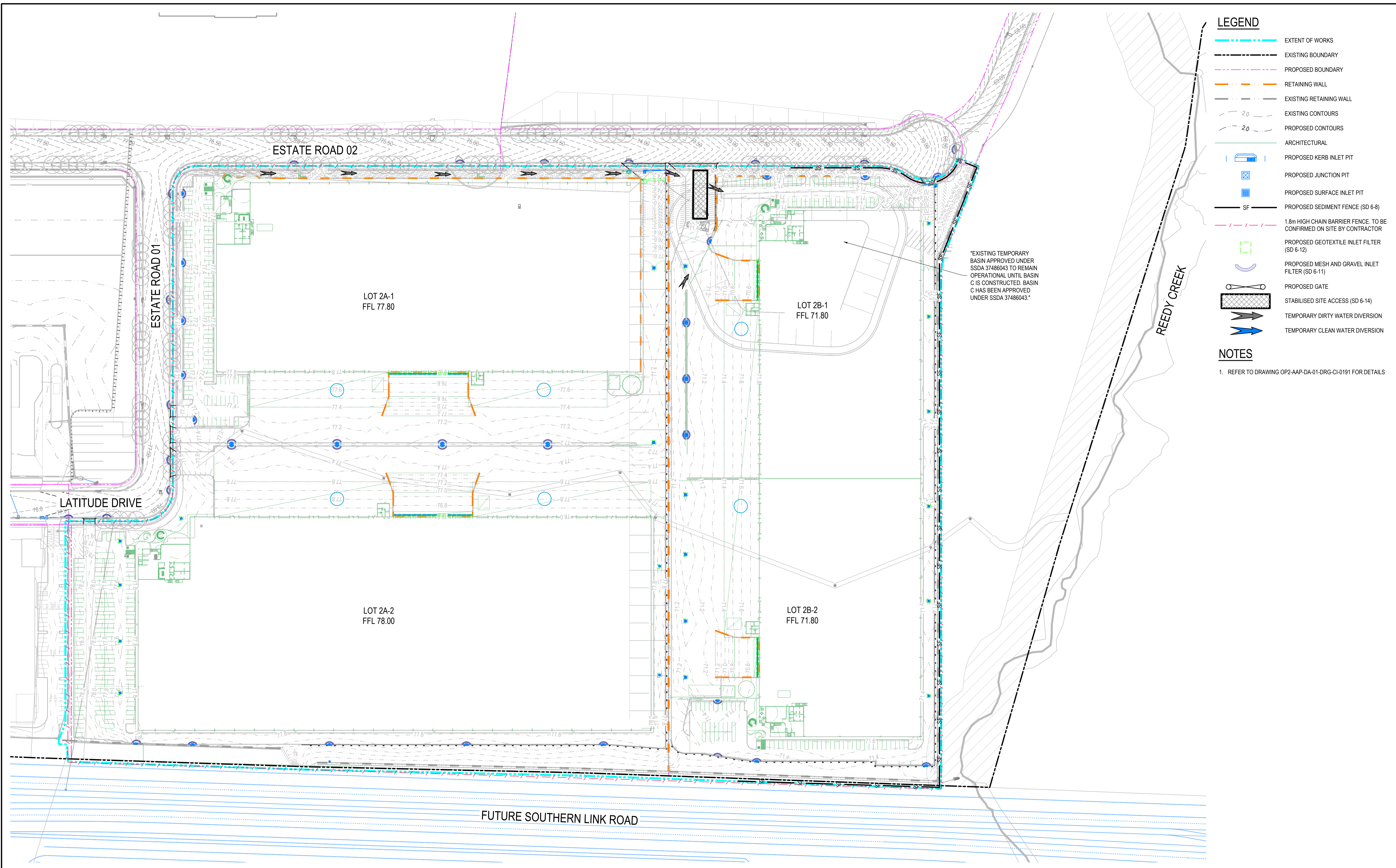
Project Number 30236891

Issue
OP2-AAP-DA-DRG-CI-0191

02

Issue	Description	DR	CH	VE	Date
02	ISSUE FOR DEVELOPMENT APPLICATION	JL	KR	JB	20.01.25
01	FOR CLIENT REVIEW	JL	KR	NB	18.10.24

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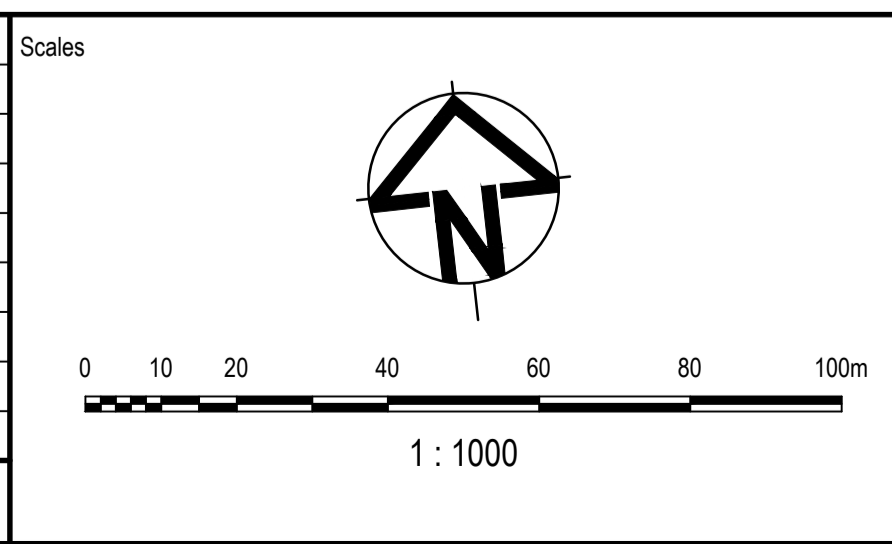


- LEGEND**
- EXTENT OF WORKS
 - EXISTING BOUNDARY
 - PROPOSED BOUNDARY
 - RETAINING WALL
 - EXISTING RETAINING WALL
 - EXISTING CONTOURS
 - PROPOSED CONTOURS
 - ARCHITECTURAL
 - PROPOSED KERB INLET PIT
 - PROPOSED JUNCTION PIT
 - PROPOSED SURFACE INLET PIT
 - SF PROPOSED SEDIMENT FENCE (SD 6-8)
 - 1.8m HIGH CHAIN BARRIER FENCE TO BE CONFIRMED ON SITE BY CONTRACTOR
 - PROPOSED GEOTEXTILE INLET FILTER (SD 6-12)
 - PROPOSED MESH AND GRAVEL INLET FILTER (SD 6-11)
 - PROPOSED GATE
 - STABILISED SITE ACCESS (SD 6-14)
 - TEMPORARY DIRTY WATER DIVERSION
 - TEMPORARY CLEAN WATER DIVERSION

NOTES

1. REFER TO DRAWING OP2-AAP-DA-01-DRG-CI-0191 FOR DETAILS

Issue	Description	DR	CH	VE	Date
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Project

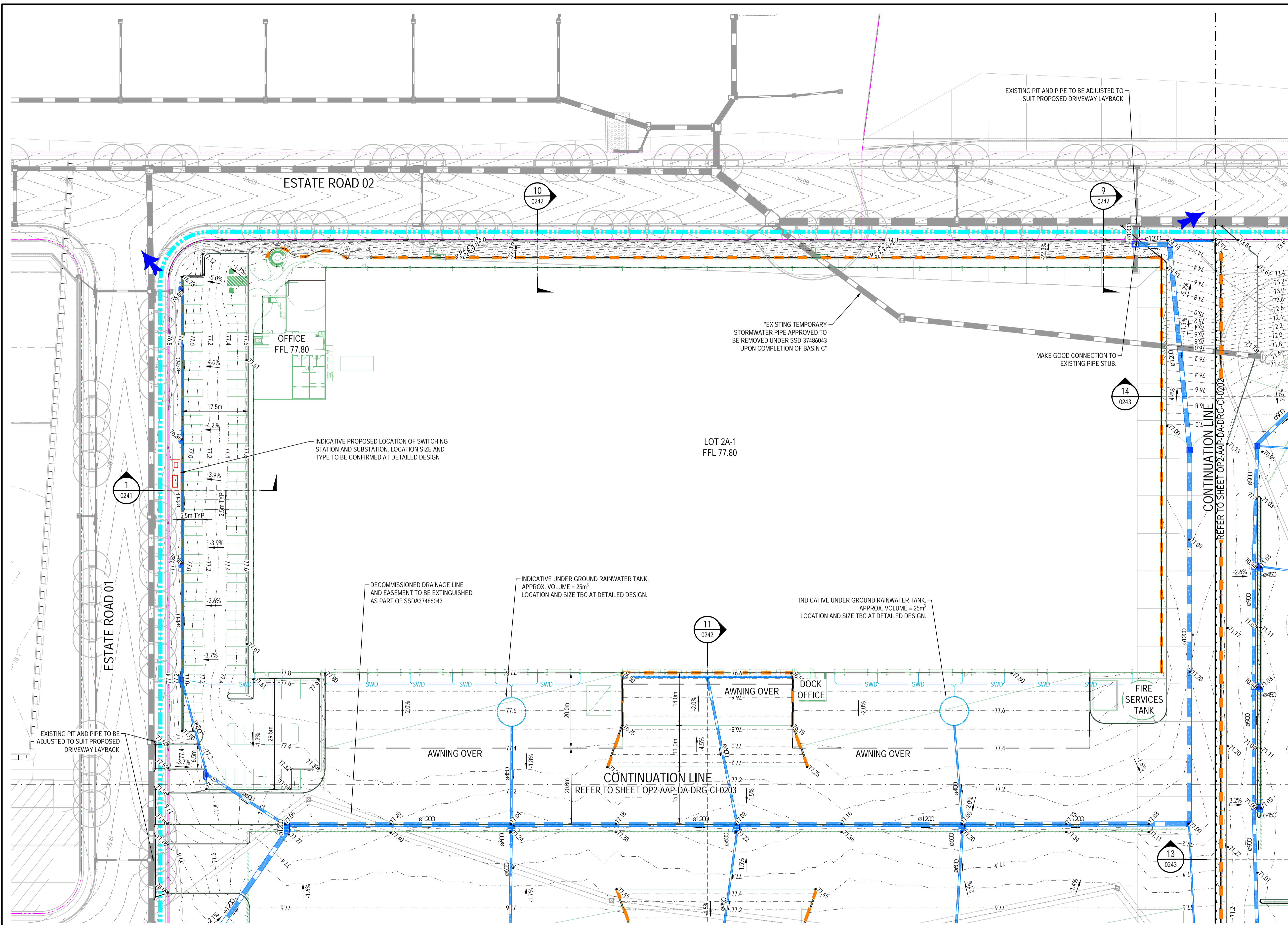
**OAKDALE ESTATE
PRECINCT 2**

Title

**EROSION AND SEDIMENT
CONTROL PLAN**

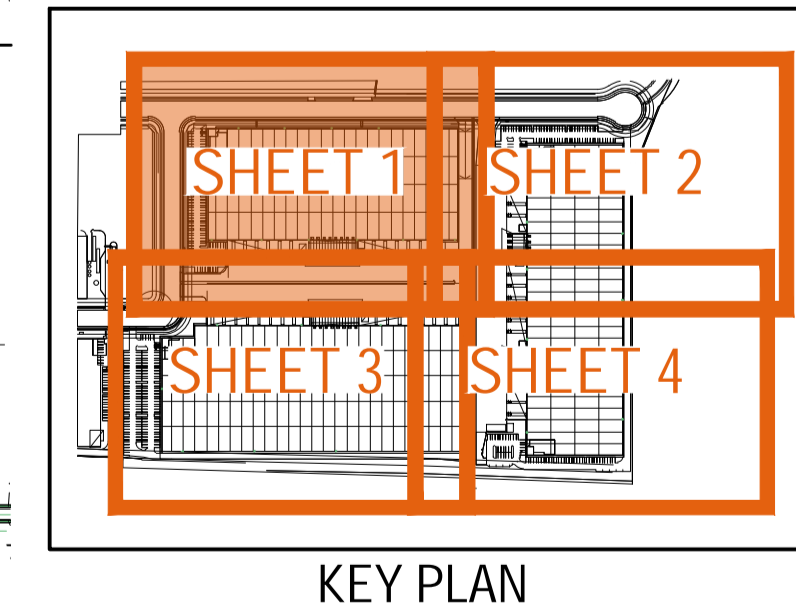
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Drawing No. OP2-AAP-DA-DRG-CI-0171	Project Number 30236891
Issue 02	

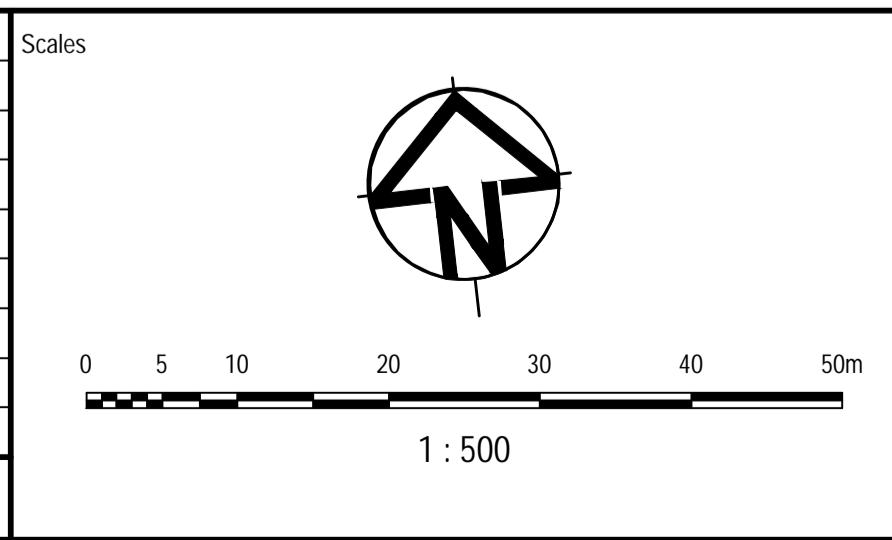


- ### LEGEND
- EXTENT OF WORKS
 - EXISTING BOUNDARY
 - PROPOSED BOUNDARY
 - EXISTING STORMWATER
 - RETAINING WALL
 - EXISTING RETAINING WALL
 - EXISTING CONTOURS
 - PROPOSED CONTOURS
 - PROPOSED ARCHITECTURAL
 - PROPOSED SAFETY BARRIER
 - EXISTING TREES TO BE RETAINED
 - FINISHED SPOT LEVEL
 - SURFACE SLOPE
 - PROPOSED UPVC ROOF WATER DRAINAGE LINE (MAX Ø300mm)
 - PROPOSED GRATED DRAIN 250mm Class 'D' GRATE
 - STORMWATER OVERLAND FLOWPATH
 - PROPOSED STORMWATER PIPE
 - PROPOSED KERB INLET PIT
 - PROPOSED JUNCTION PIT
 - PROPOSED HEADWALL
 - EXISTING STORMWATER PIPE

- ### NOTES
1. REFER TO DRAWING OP2-AAP-DA-01-DRG-CI-0021 FOR GENERAL NOTES.
 2. ALL LEVELS SHOWN ARE ± 1000mm
 3. ROOF WATER DOWN PIPE LOCATIONS TO BE CONFIRMED SURING DETAILED DESIGN.
 4. RETAINING WALL LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN.



Issue	Description	DR	CH	VE	Date
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Architect

Client

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Grid	MGA/94-56

Project

**OAKDALE ESTATE
PRECINCT 2**

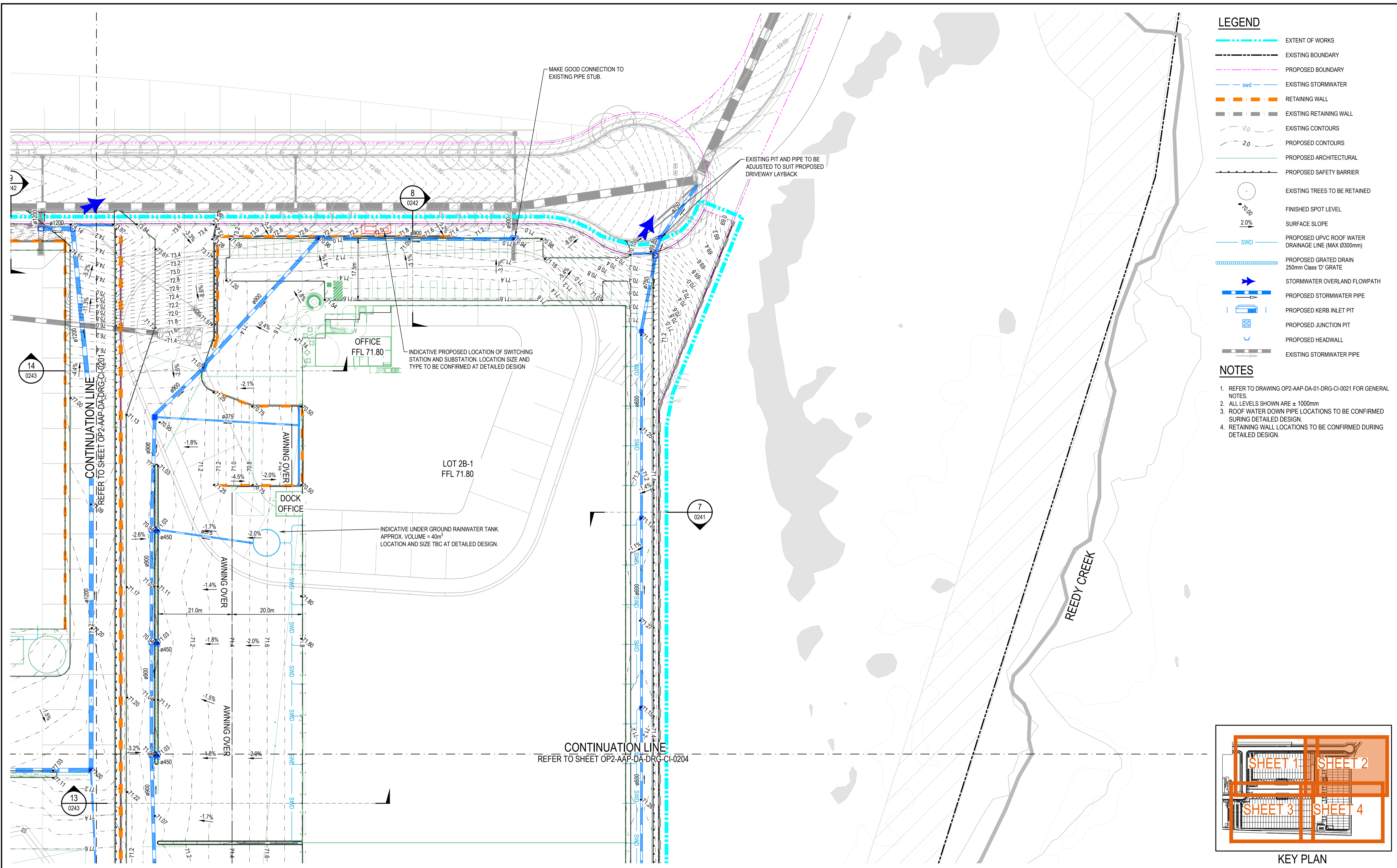
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**CIVIL WORKS PLAN
SHEET 1**

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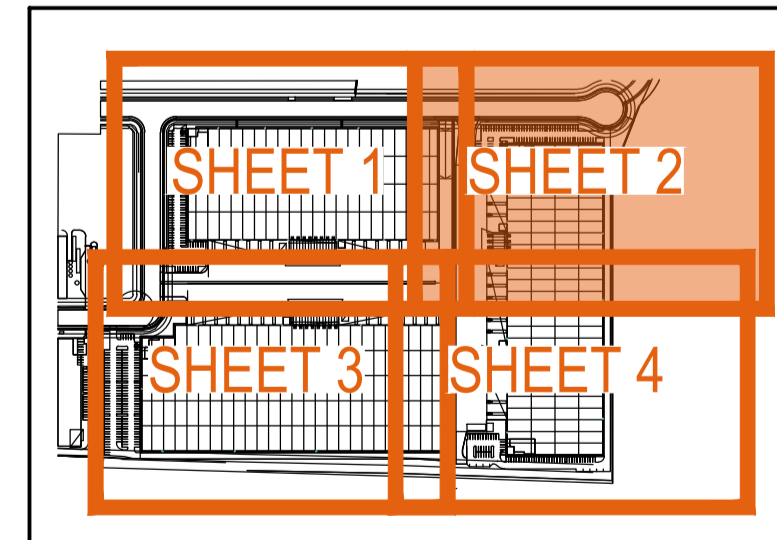
Project Number	30236891
Issue	02

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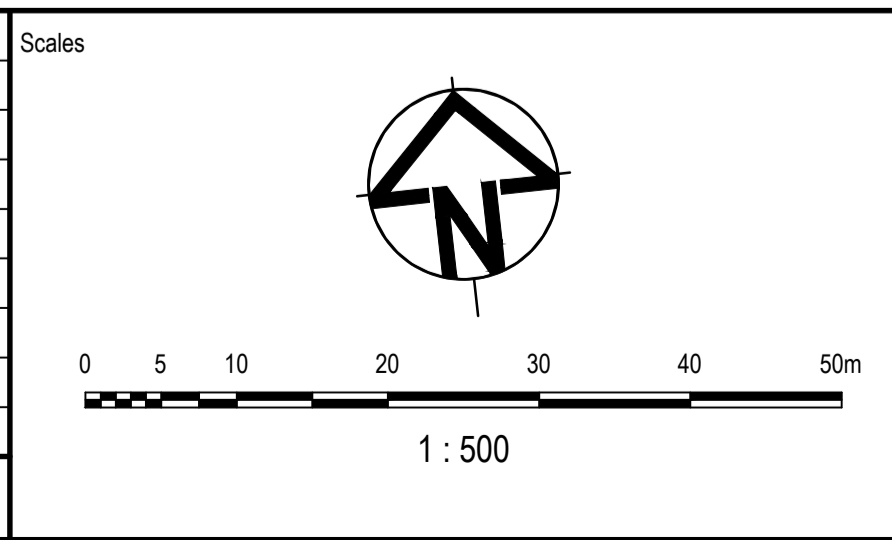


- ### LEGEND
- EXTENT OF WORKS
 - EXISTING BOUNDARY
 - PROPOSED BOUNDARY
 - EXISTING STORMWATER
 - RETAINING WALL
 - EXISTING RETAINING WALL
 - EXISTING CONTOURS
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 - PROPOSED ARCHITECTURAL
 - PROPOSED SAFETY BARRIER
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 - PROPOSED GRATED DRAIN 250mm Class 'D' GRATE
 - STORMWATER OVERLAND FLOWPATH
 - PROPOSED STORMWATER PIPE
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 - PROPOSED JUNCTION PIT
 - PROPOSED HEADWALL
 - EXISTING STORMWATER PIPE

- ### NOTES
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 4. RETAINING WALL LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN.



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Verified	J. BARRETT		

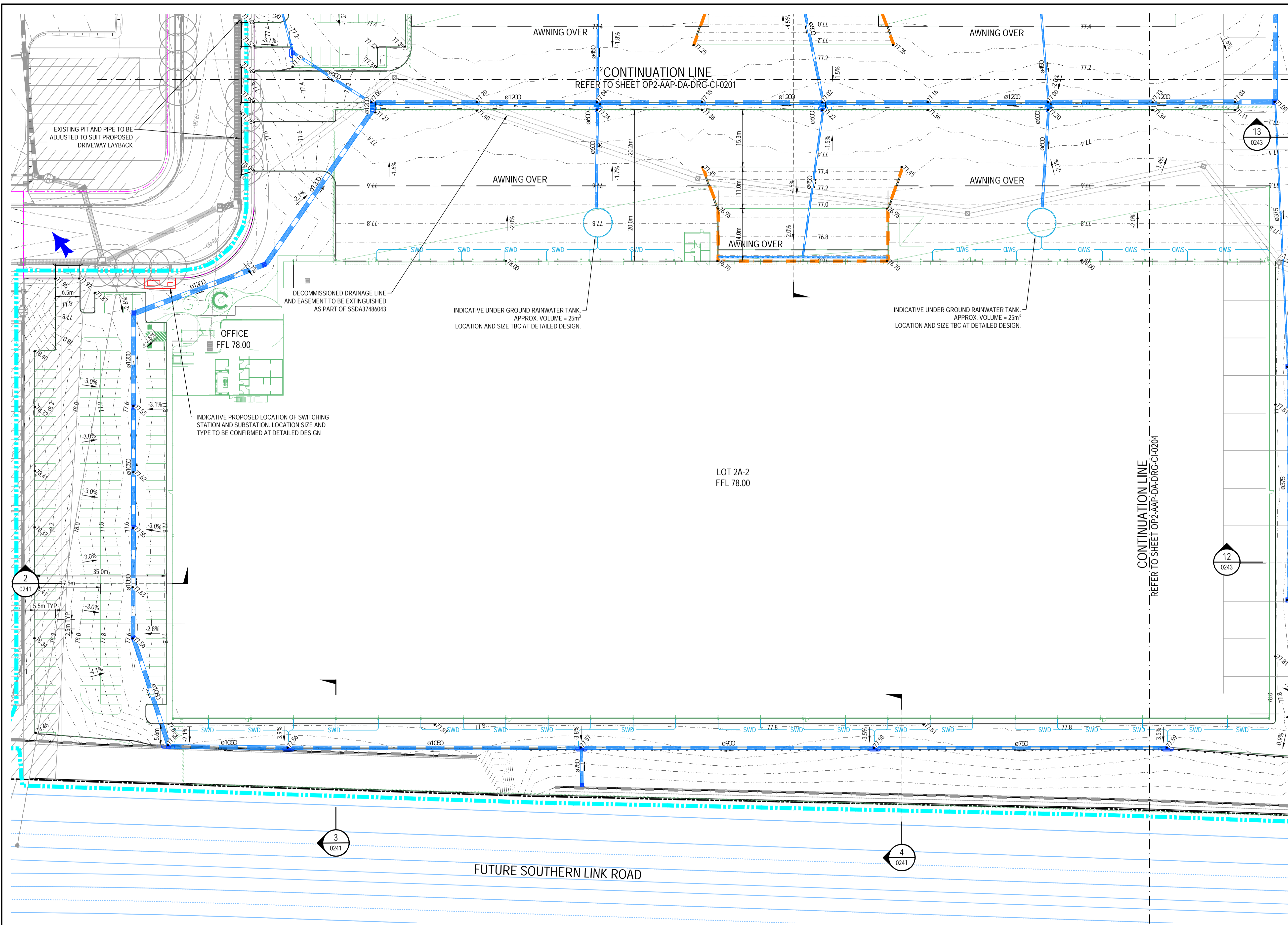
Project
**OAKDALE ESTATE
PRECINCT 2**

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SHEET 2**

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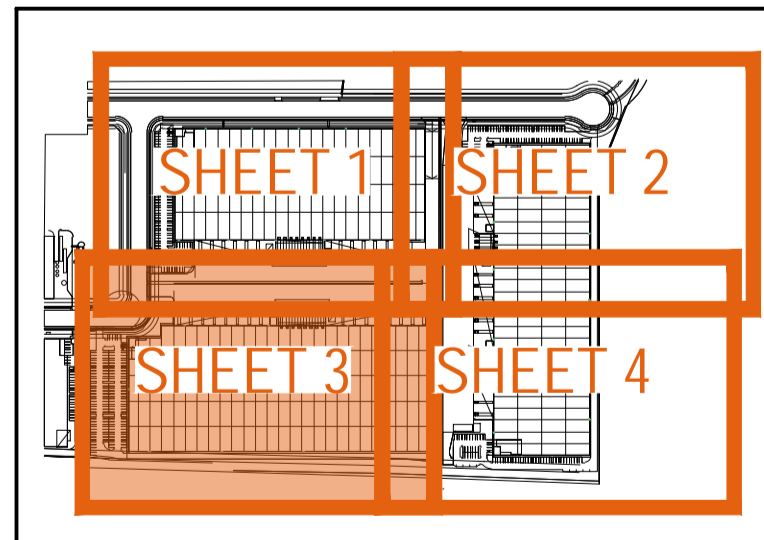
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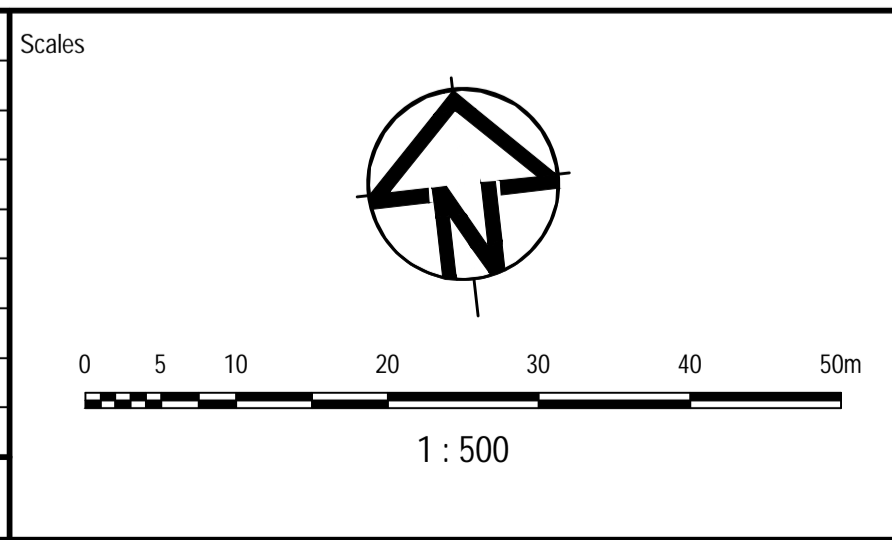


- ### LEGEND
- EXTENT OF WORKS
 - EXISTING BOUNDARY
 - PROPOSED BOUNDARY
 - EXISTING STORMWATER
 - RETAINING WALL
 - EXISTING RETAINING WALL
 - EXISTING CONTOURS
 - PROPOSED CONTOURS
 - PROPOSED ARCHITECTURAL
 - PROPOSED SAFETY BARRIER
 - EXISTING TREES TO BE RETAINED
 - FINISHED SPOT LEVEL
 - SURFACE SLOPE
 - PROPOSED UPVC ROOF WATER DRAINAGE LINE (MAX Ø300mm)
 - PROPOSED GRATED DRAIN 250mm Class 'D' GRATE
 - STORMWATER OVERLAND FLOWPATH
 - PROPOSED STORMWATER PIPE
 - PROPOSED KERB INLET PIT
 - PROPOSED JUNCTION PIT
 - PROPOSED HEADWALL
 - EXISTING STORMWATER PIPE

- ### NOTES
1. REFER TO DRAWING OP2-AAP-DA-01-DRG-CI-0201 FOR GENERAL NOTES.
 2. ALL LEVELS SHOWN ARE ± 1000mm
 3. ROOF WATER DOWN PIPE LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN.
 4. RETAINING WALL LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN.



Issue	Description	DR	CH	VE	Date
02	ISSUE FOR DEVELOPMENT APPLICATION	JL	KR	JB	20.01.25
01	FOR CLIENT REVIEW	JL	KR	NB	18.10.24



Status

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Original Issue Signatures		Original Size	A1
Drawn	J. LOPEZ	Height Datum	AHD
Designed	K. ROBINSON	Grid	MGA/94-56
Project Manager	N. BIASON		
Verified	J. BARRETT		

Project

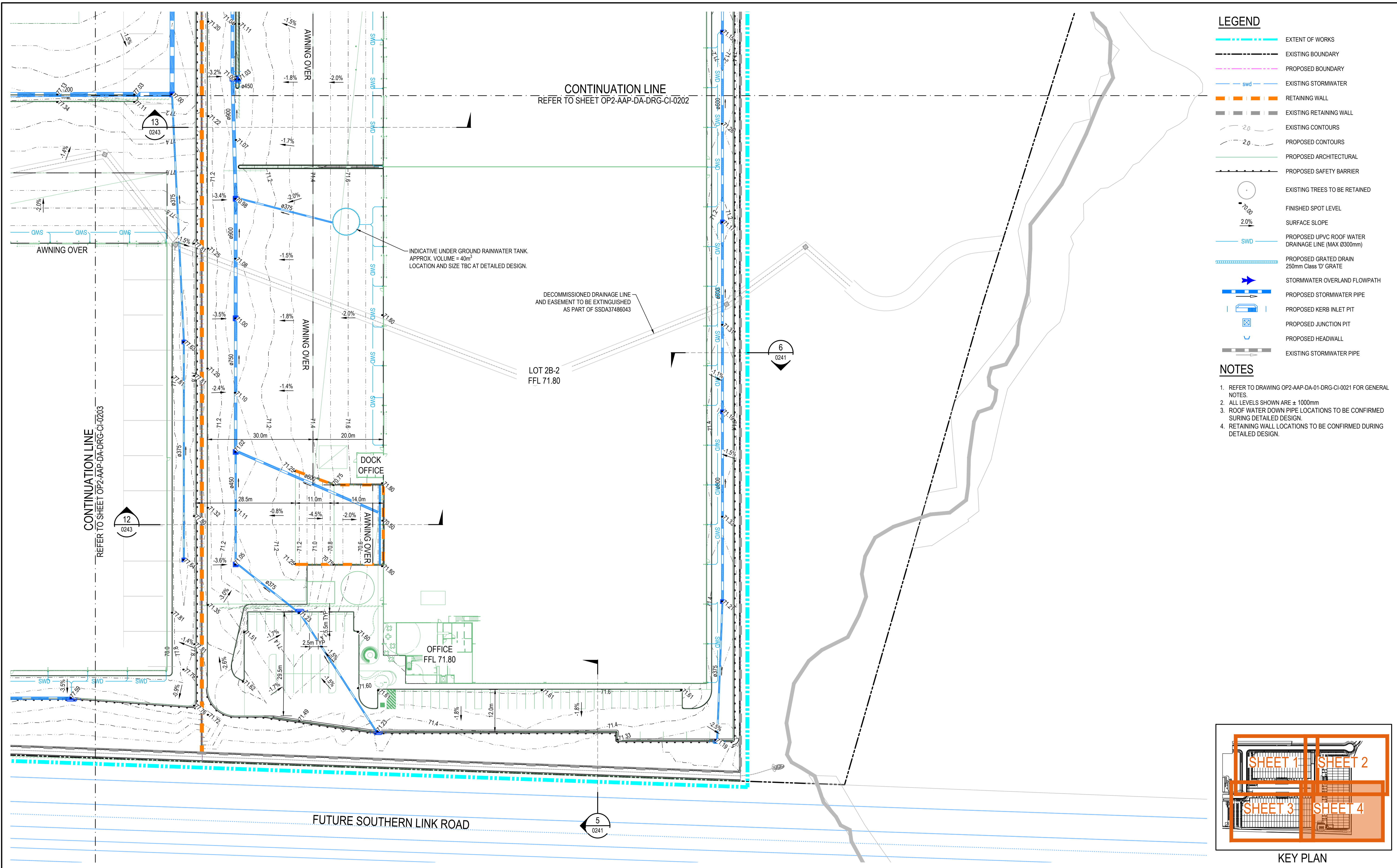
**OAKDALE ESTATE
PRECINCT 2**

**CIVIL WORKS PLAN
SHEET 3**

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Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
www.arcadis.com/au

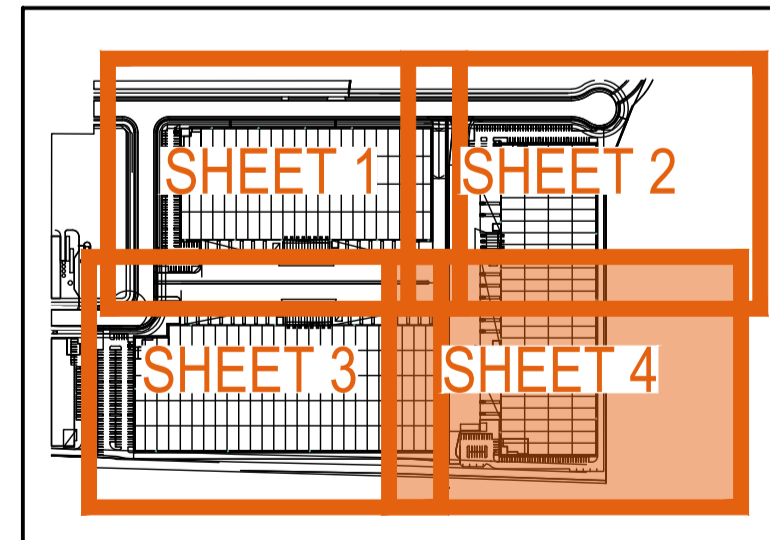
Project Number	30236891
Issue	02

OP2-AAP-DA-DRG-CI-0203

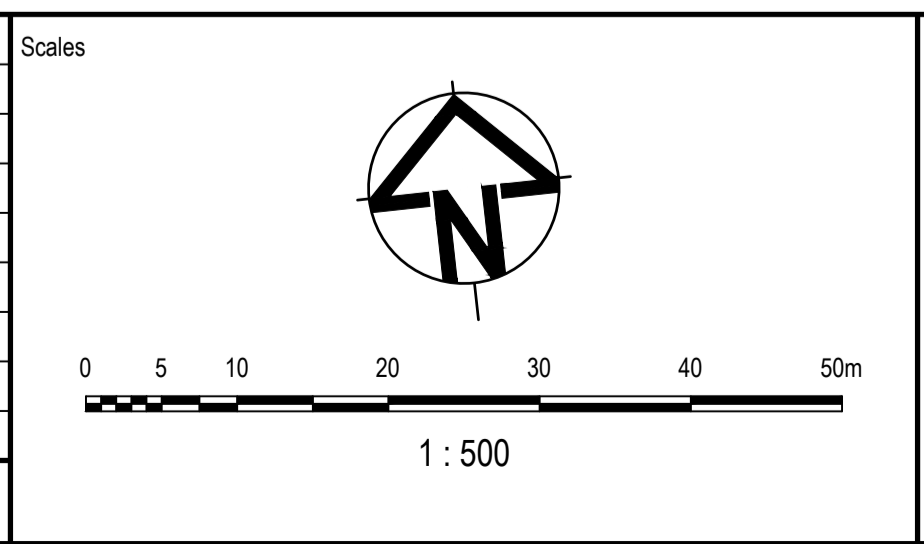


- ### LEGEND
- EXTENT OF WORKS
 - EXISTING BOUNDARY
 - PROPOSED BOUNDARY
 - EXISTING STORMWATER
 - RETAINING WALL
 - EXISTING RETAINING WALL
 - EXISTING CONTOURS
 - PROPOSED CONTOURS
 - PROPOSED ARCHITECTURAL
 - PROPOSED SAFETY BARRIER
 - EXISTING TREES TO BE RETAINED
 - FINISHED SPOT LEVEL
 - SURFACE SLOPE
 - SWD
 - PROPOSED UPVC ROOF WATER DRAINAGE LINE (MAX Ø300mm)
 - PROPOSED GRATED DRAIN 250mm Class 'D' GRATE
 - STORMWATER OVERLAND FLOWPATH
 - PROPOSED STORMWATER PIPE
 - PROPOSED KERB INLET PIT
 - PROPOSED JUNCTION PIT
 - PROPOSED HEADWALL
 - EXISTING STORMWATER PIPE

- ### NOTES
1. REFER TO DRAWING OP2-AAP-DA-01-DRG-CI-0021 FOR GENERAL NOTES.
 2. ALL LEVELS SHOWN ARE ± 1000mm
 3. ROOF WATER DOWN PIPE LOCATIONS TO BE CONFIRMED SURING DETAILED DESIGN.
 4. RETAINING WALL LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN.



Issue	Description	DR	CH	VE	Date
02	ISSUE FOR DEVELOPMENT APPLICATION	JL	KR	JB	20.01.25
01	FOR CLIENT REVIEW	JL	KR	NB	18.10.24



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Project Manager	N. BIASON	Grid	MGA/94-56
Verified	J. BARRETT		

Project

**OAKDALE ESTATE
PRECINCT 2**

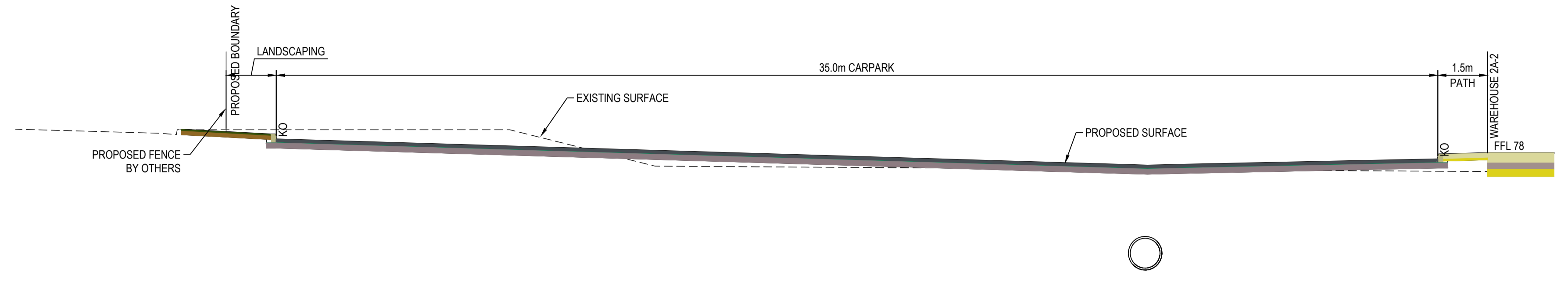
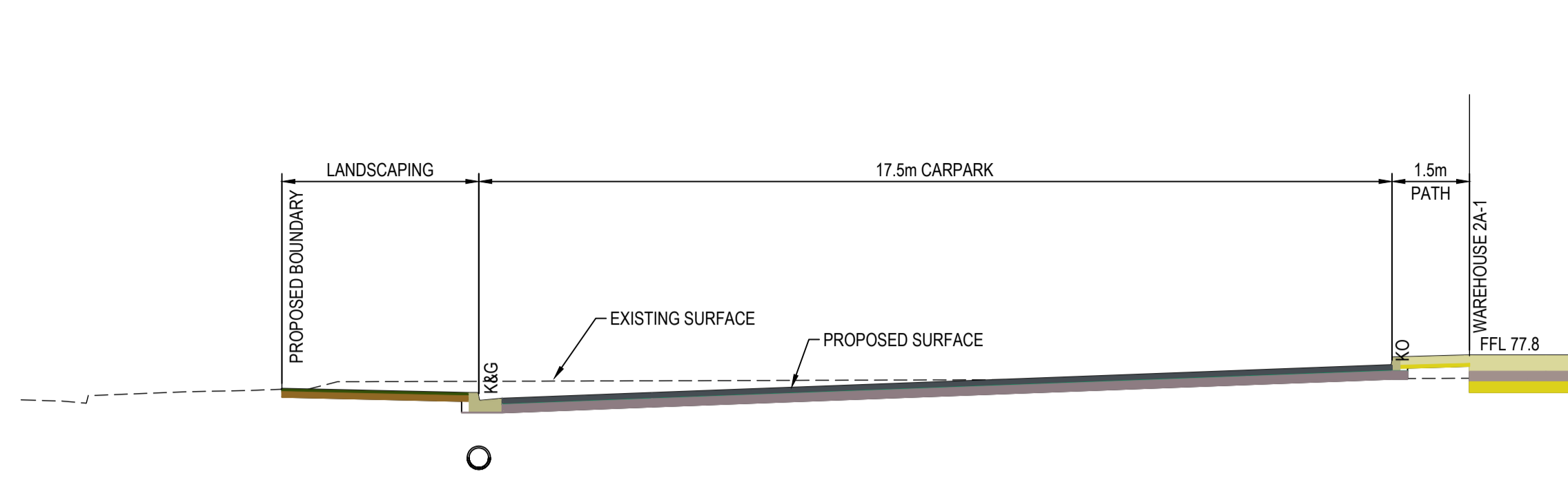
Title

**CIVIL WORKS PLAN
SHEET 4**

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Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
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www.arcadis.com/au

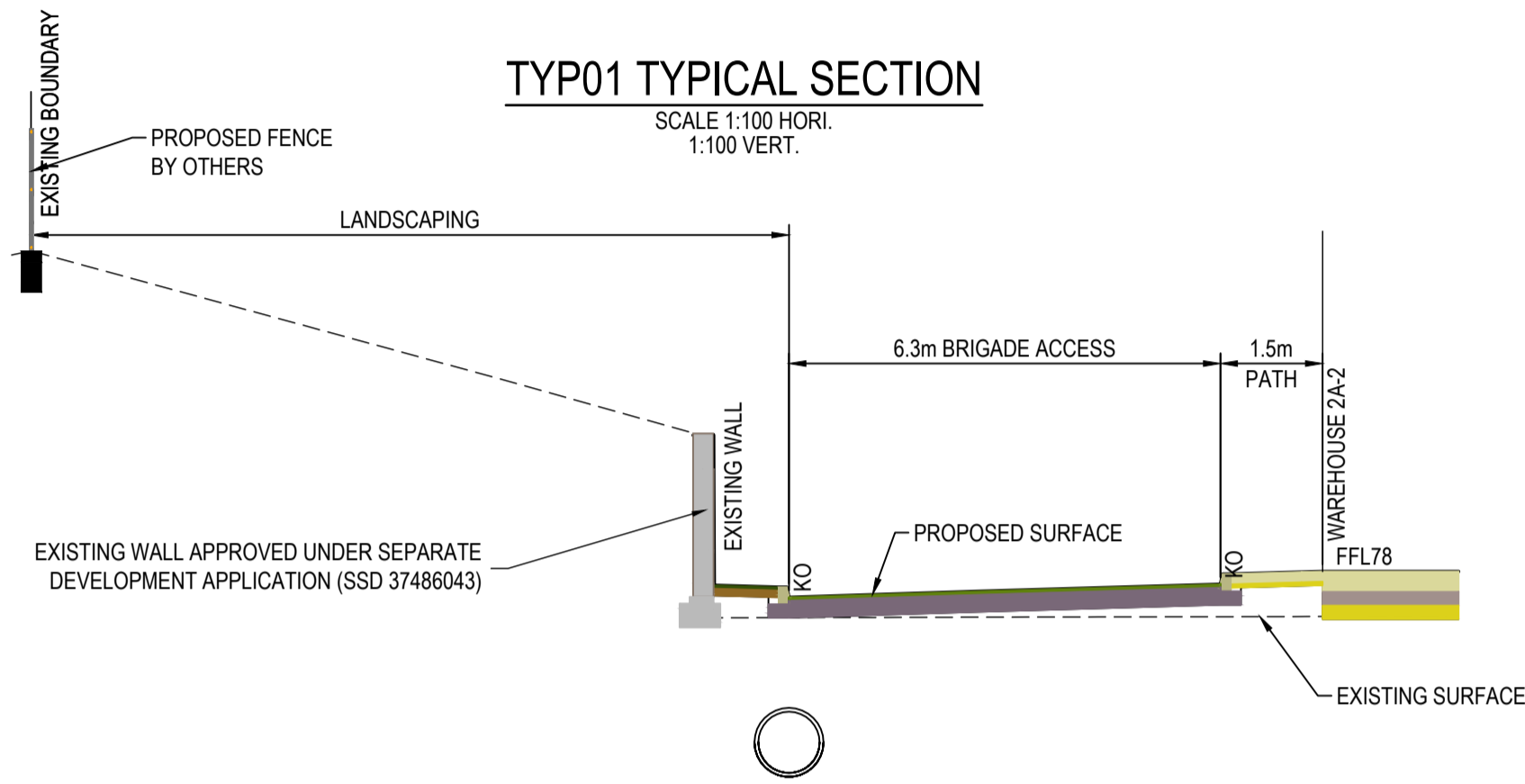
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Issue	02

OP2-AAP-DA-DRG-CI-0204



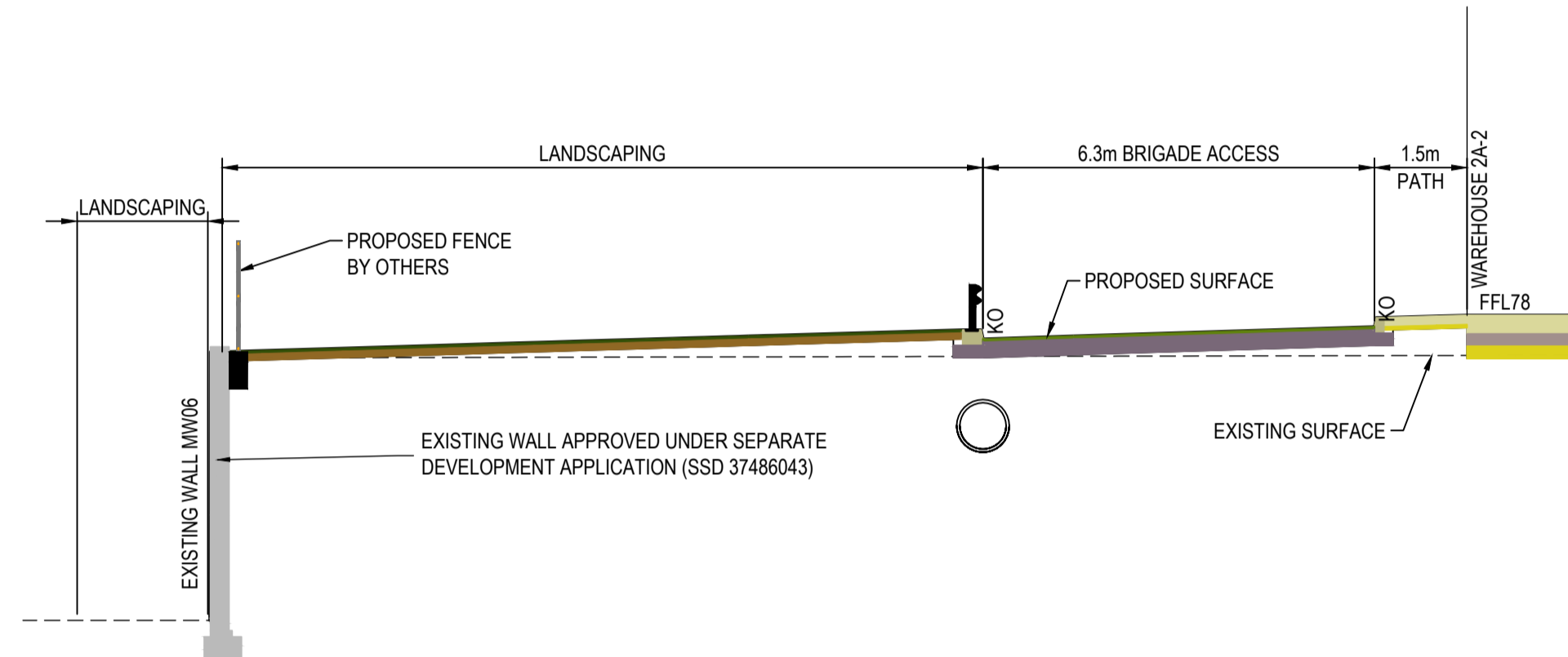
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SCALE 1:100 HORI.
1:100 VERT.



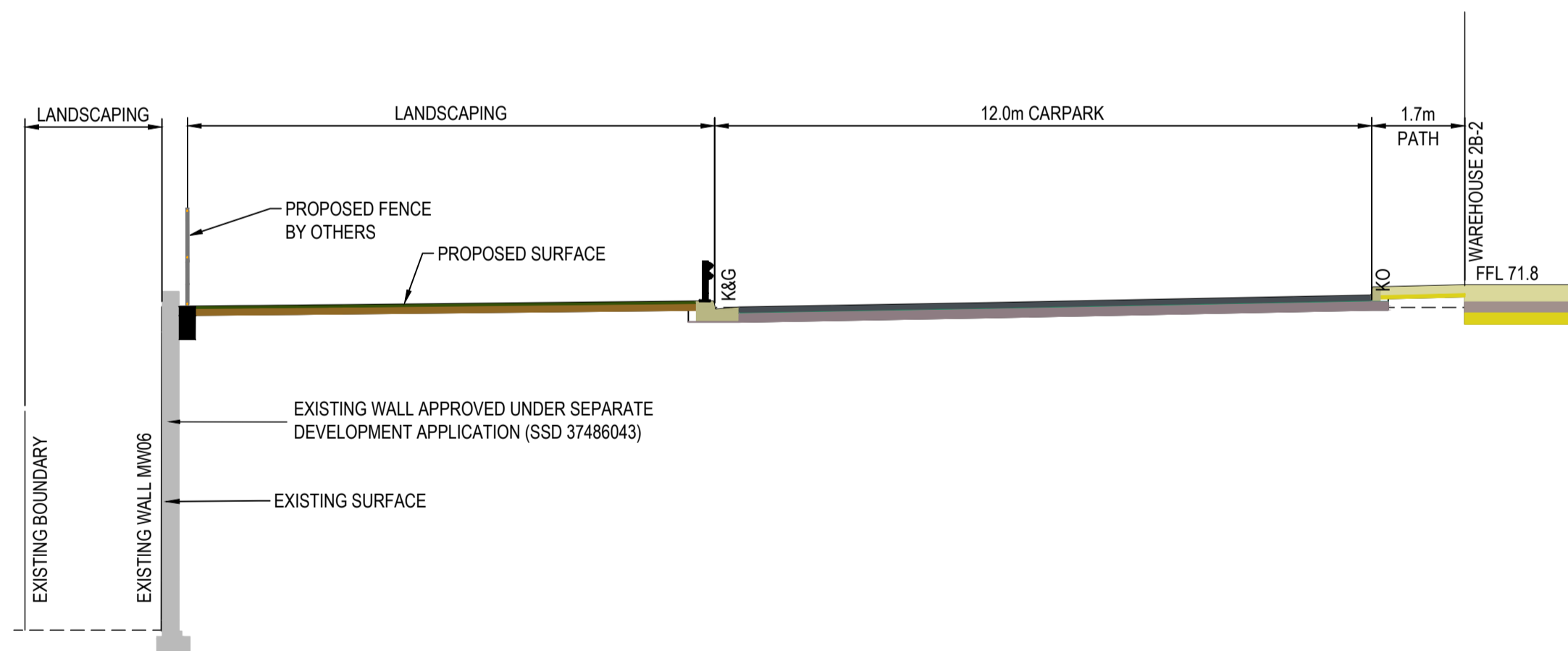
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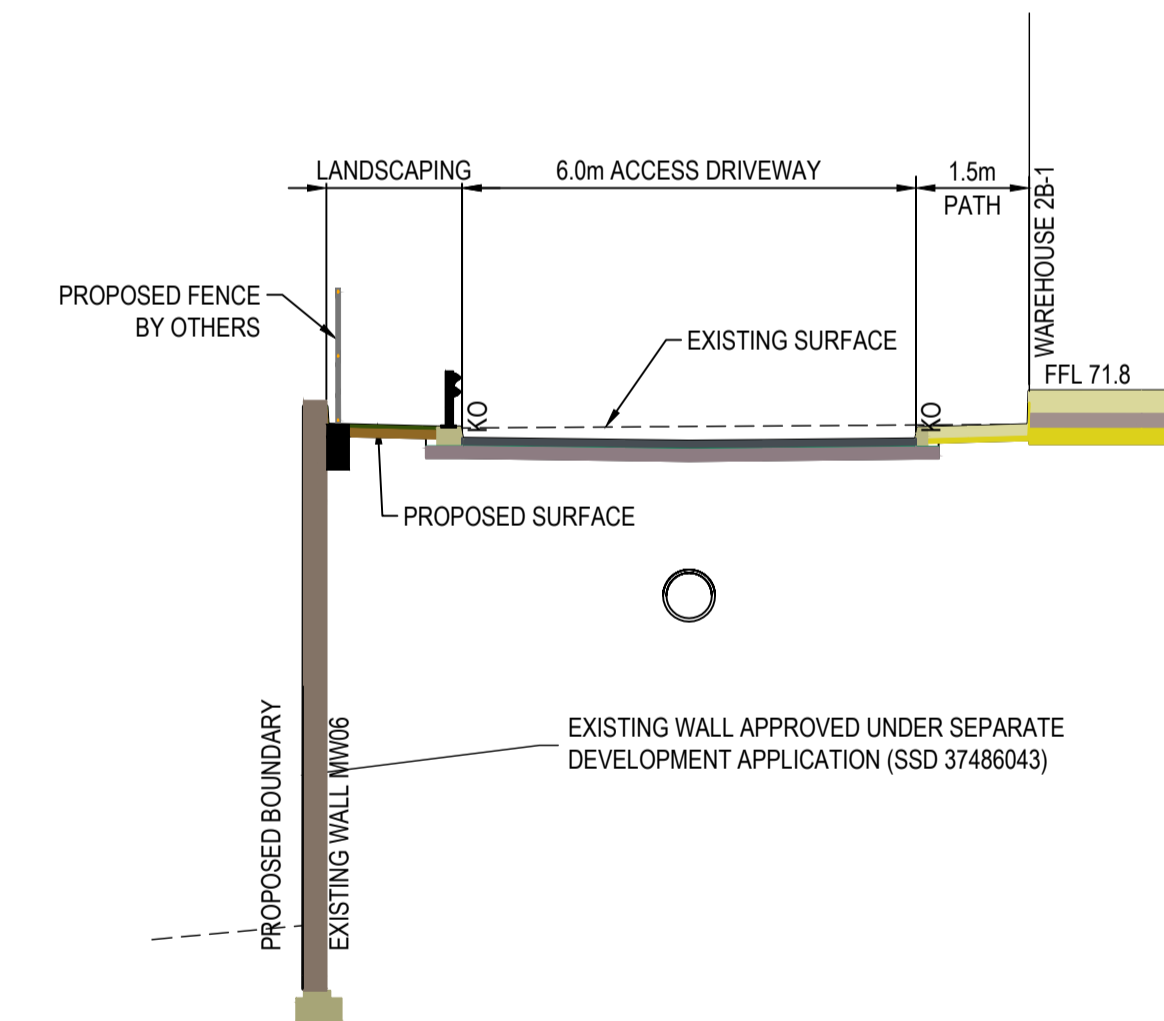
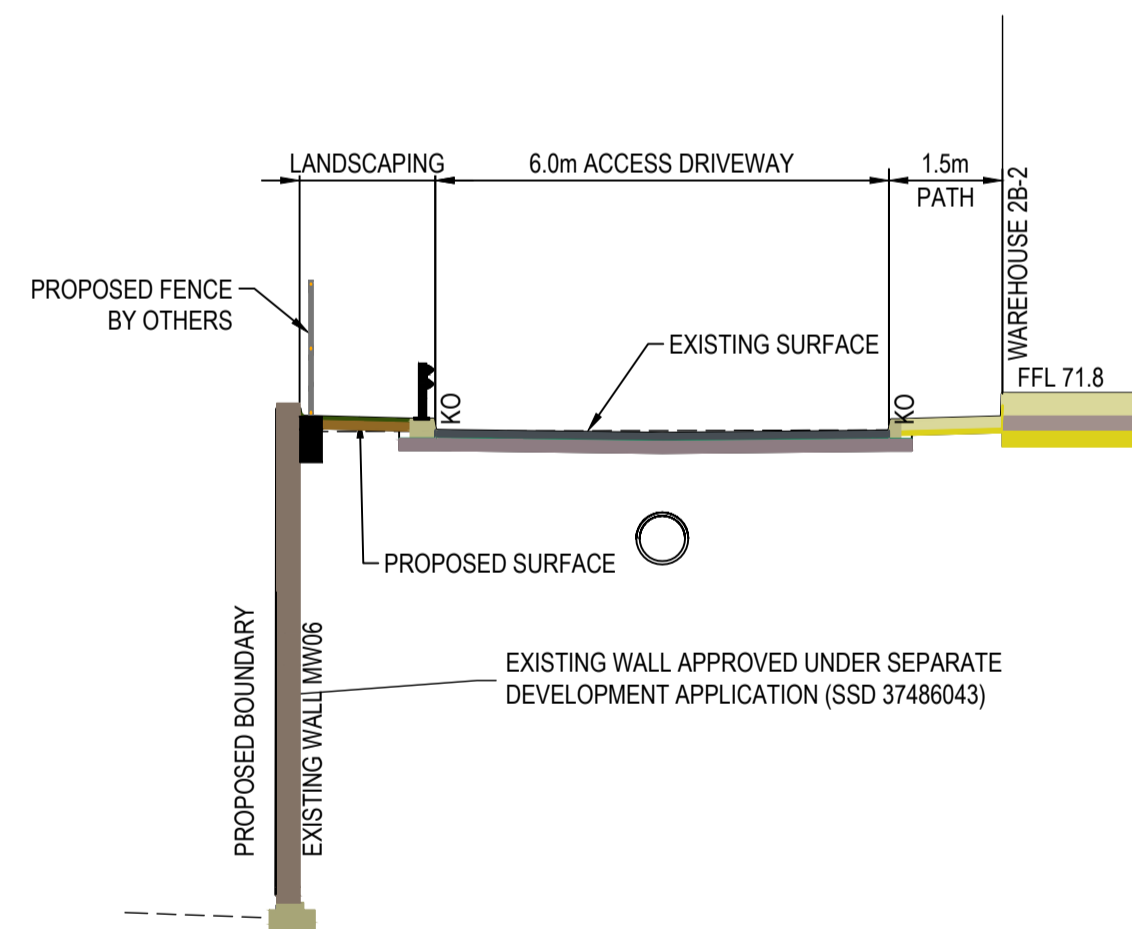
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SCALE 1:100 HORI.
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TYP04 TYPICAL SECTION

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1:100 VERT.



TYP05 TYPICAL SECTION

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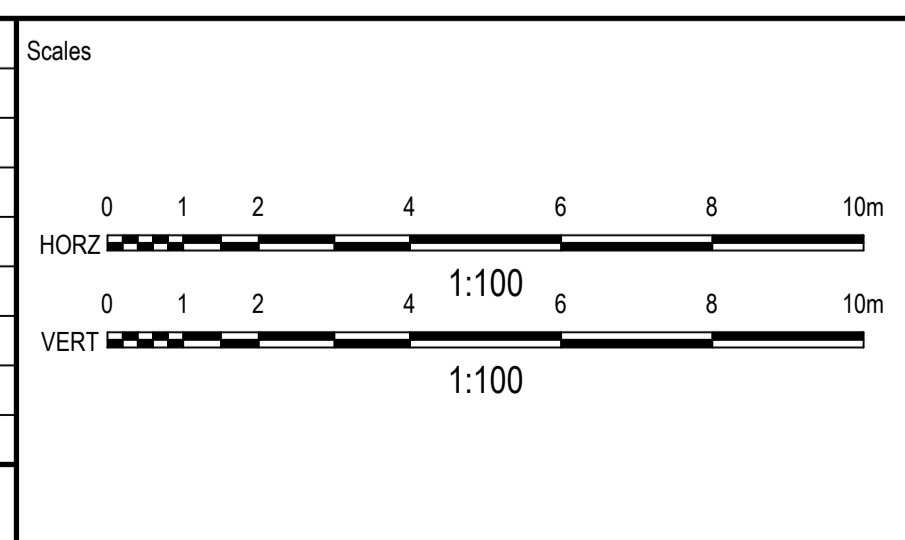
TYP06 TYPICAL SECTION

SCALE 1:100 HORI.
1:100 VERT.

TYP07 TYPICAL SECTION

SCALE 1:100 HORI.
1:100 VERT.

Issue	Description	DR	CH	VE	Date
02	ISSUE FOR DEVELOPMENT APPLICATION	JL	KR	JB	20.01.25
01	FOR CLIENT REVIEW	JL	KR	NB	18.10.24



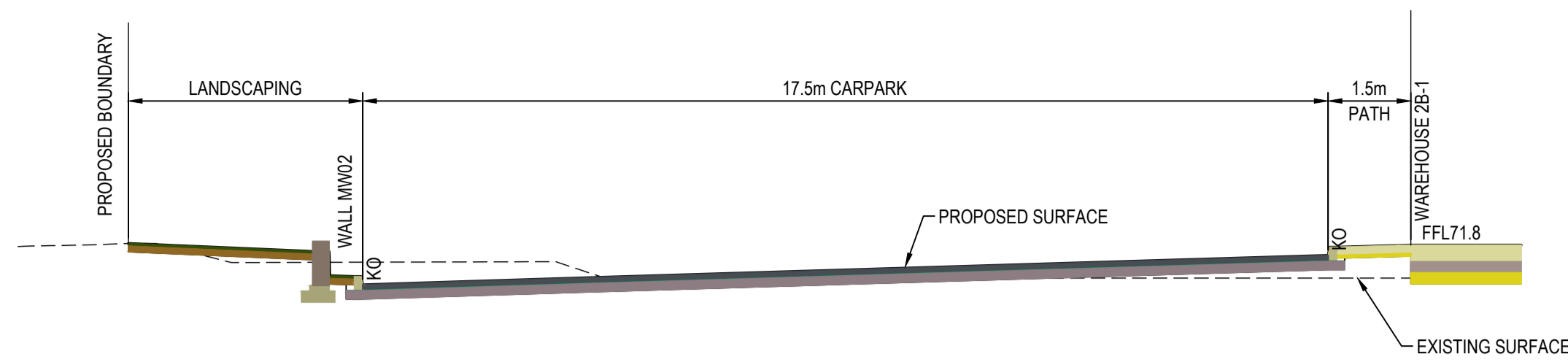
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Project Manager	N. BIASON	Grid	MGA/94-56
Verified	J. BARRETT		

Project	
OAKDALE ESTATE PRECINCT 2	
Title	
TYPICAL ROAD SECTIONS SHEET 1	

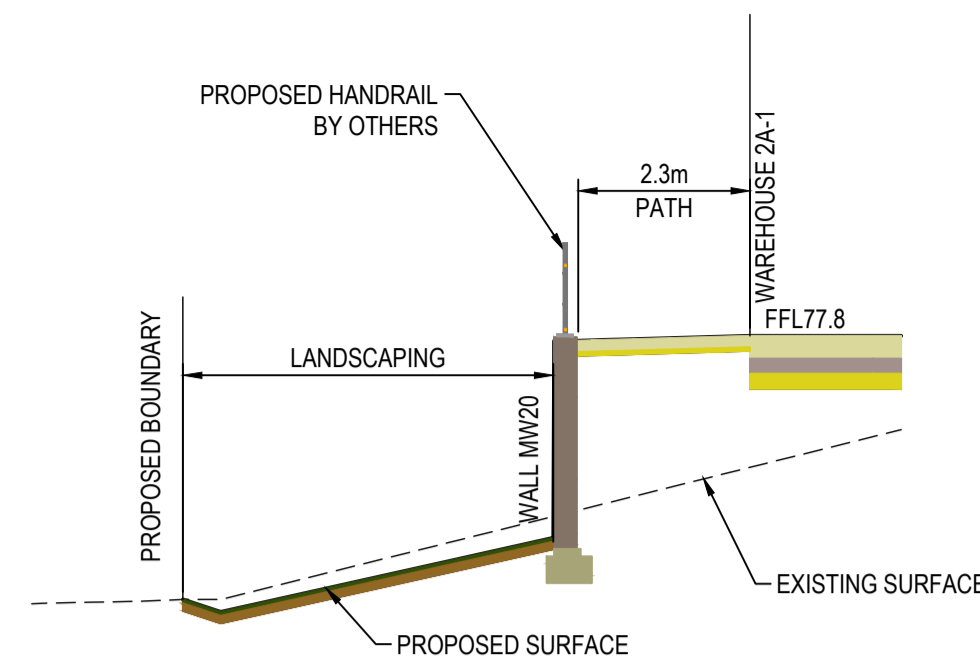
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Project Number	30236891
Issue	02

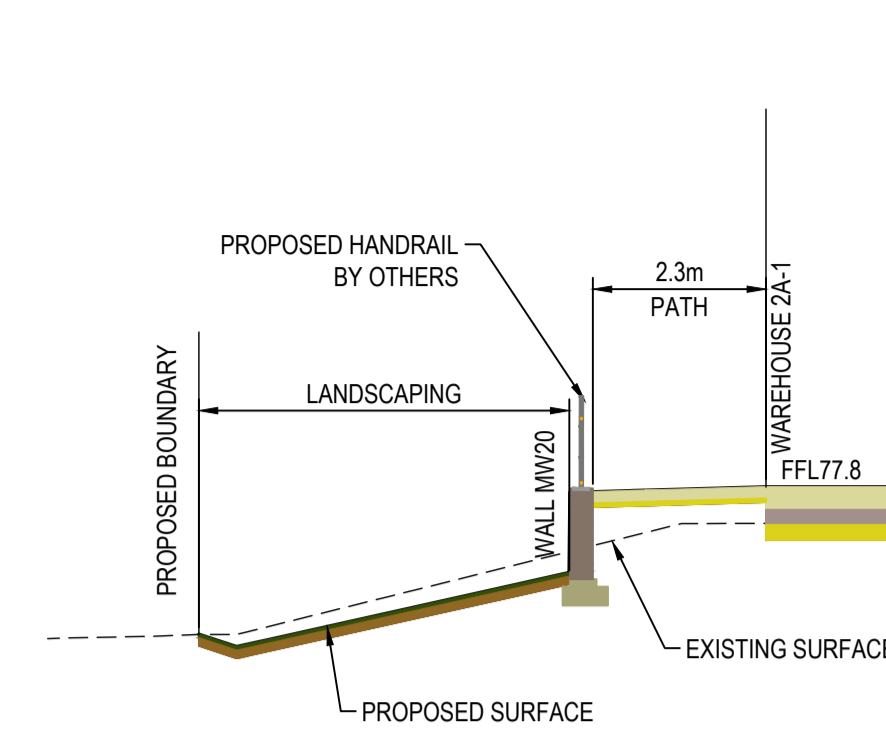
OP2-AAP-DA-DRG-CI-0241



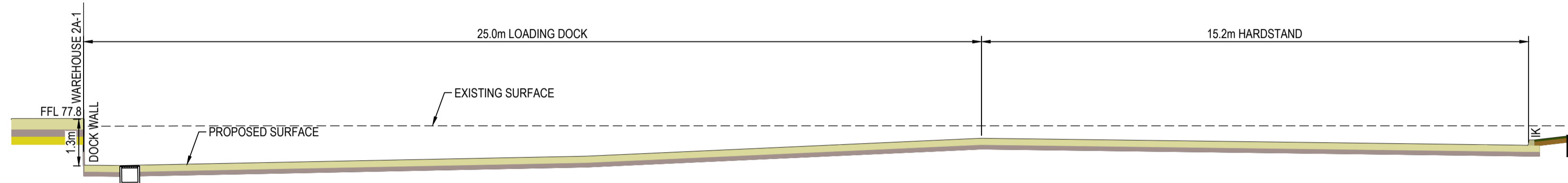
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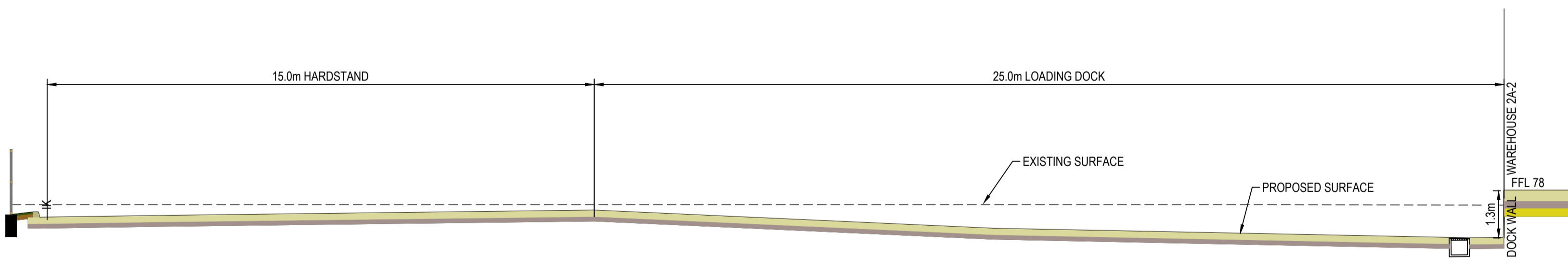
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TYP10 TYPICAL SECTION
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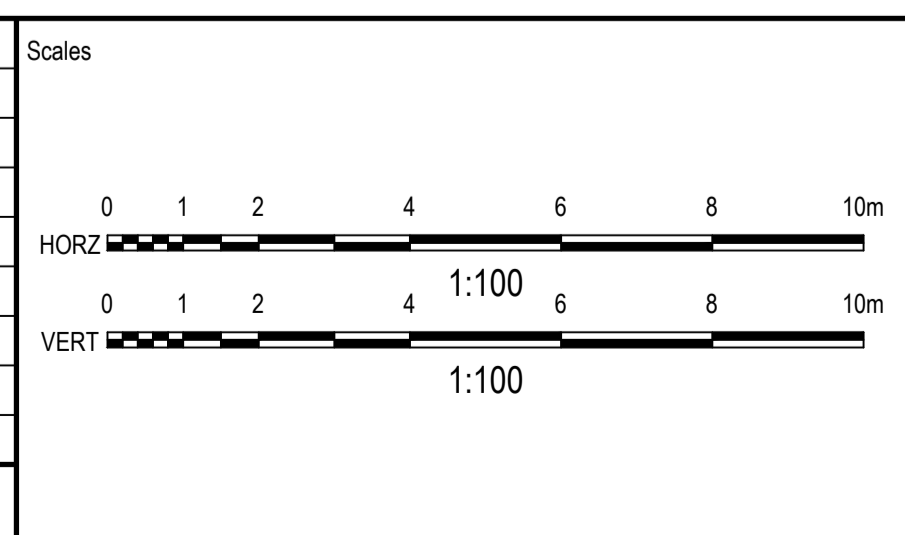


TYP11 TYPICAL SECTION
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TYP11 TYPICAL SECTION
SCALE 1:100 HORI.
1:100 VERT.

Issue	Description	DR	CH	VE	Date
02	ISSUE FOR DEVELOPMENT APPLICATION	JL	KR	JB	20.01.25
01	FOR CLIENT REVIEW	JL	KR	NB	18.10.24



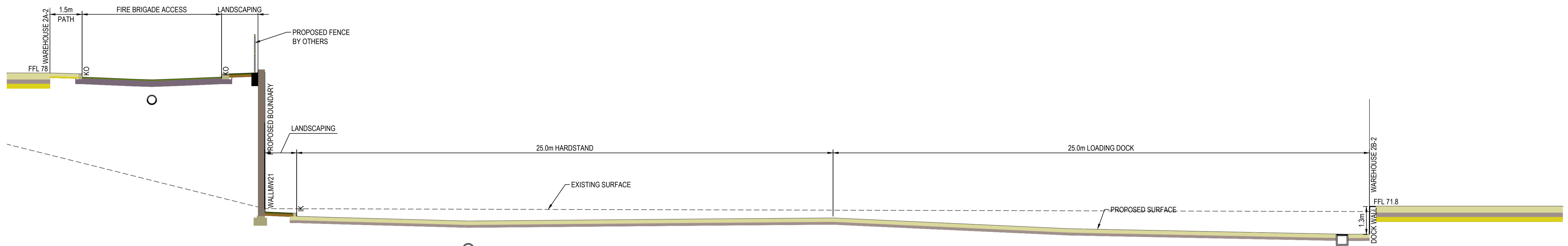
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Designed	K. ROBINSON	Height Datum	AHD
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Verified	J. BARRETT		

Project OAKDALE ESTATE PRECINCT 2	
Title TYPICAL ROAD SECTIONS SHEET 2	

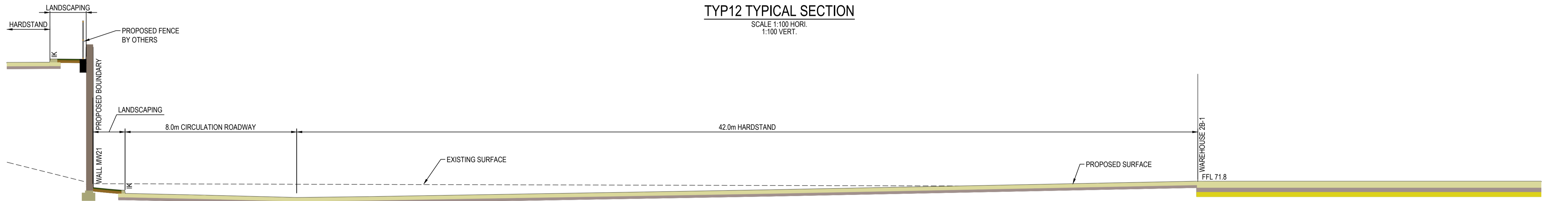
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ABN 76 104 485 289
Tel No: +61 2 8907 9000
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Project Number	30236891
Issue	02

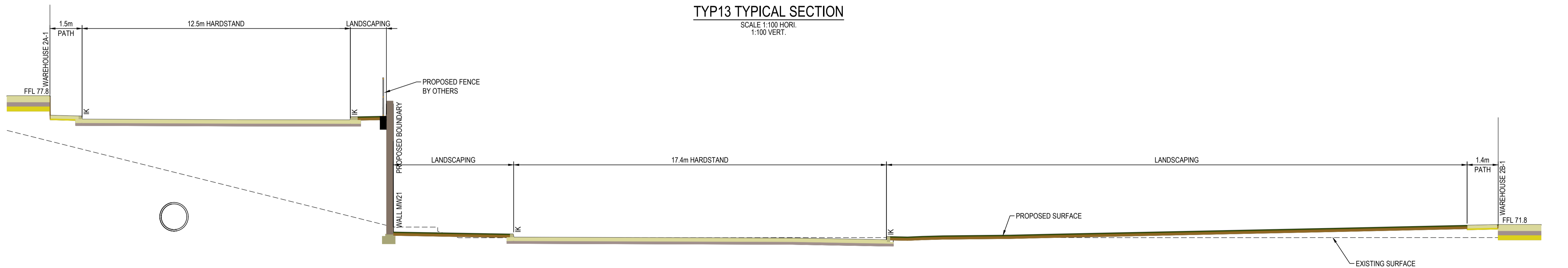
Drawing No: OP2-AAP-DA-DRG-CI-0242



TYP12 TYPICAL SECTION
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1:100 VERT.



TYP13 TYPICAL SECTION
SCALE 1:100 HORI.
1:100 VERT.



TYP14 TYPICAL SECTION
SCALE 1:100 HORI.
1:100 VERT.

Issue	Description	DR	CH	VE	Date
02	ISSUE FOR DEVELOPMENT APPLICATION	JL	KR	JB	20.01.25
01	FOR CLIENT REVIEW	JL	KR	NB	18.10.24

Scales	
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Architect

Client

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Verified	J. BARRETT		

Project OAKDALE ESTATE PRECINCT 2	
Title TYPICAL ROAD SECTIONS SHEET 3	

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Project Number	30236891
Issue	02

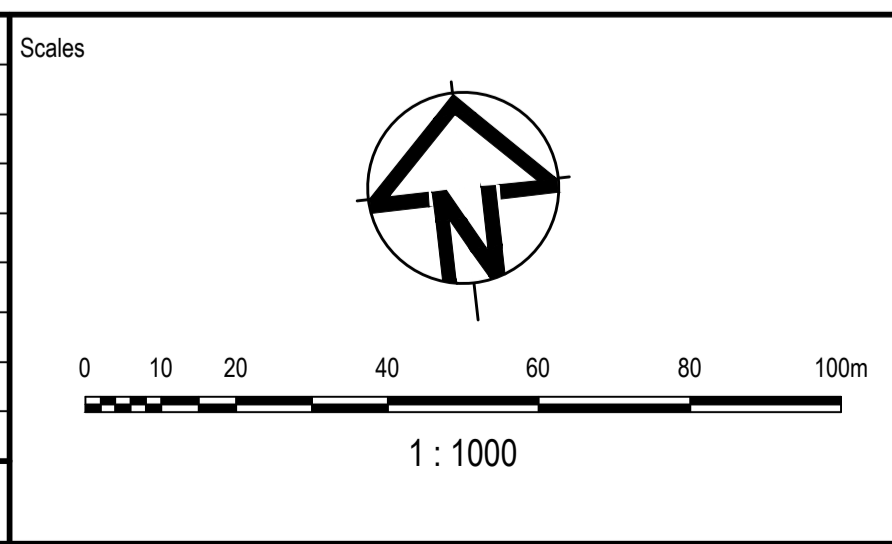
OP2-AAP-DA-DRG-CI-0243



LEGEND

- EXTENT OF WORKS
- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- EXISTING CONTOURS
- PROPOSED CONTOURS
- LIGHT DUTY CAR PARK
TO BE CONFIRMED AT DETAILED DESIGN
- HEAVY DUTY HARDSTAND
TO BE CONFIRMED AT DETAILED DESIGN
- FOOTPATH PAVEMENT
TO BE CONFIRMED AT DETAILED DESIGN
- TURFPAVE PAVEMENT
TO BE CONFIRMED AT DETAILED DESIGN
- LANDSCAPING
REFER TO LANDSCAPE ARCHITECTS
DRAWINGS FOR DETAILS
- STRUCTURAL SLAB
REFER TO STRUCTURAL DRAWINGS FOR
DETAILS
- MEDIAN INFILL
REFER TO STRUCTURAL DRAWINGS FOR
DETAILS

Issue	Description	DR	CH	VE	Date
02	ISSUE FOR DEVELOPMENT APPLICATION	JL	KR	JB	20.01.25
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Project Manager	N. BIASON
Verified	J. BARRETT

Original Size	A1
Height Datum	AHD
Grid	MGA/94-56

Project

**OAKDALE ESTATE
PRECINCT 2**

Title

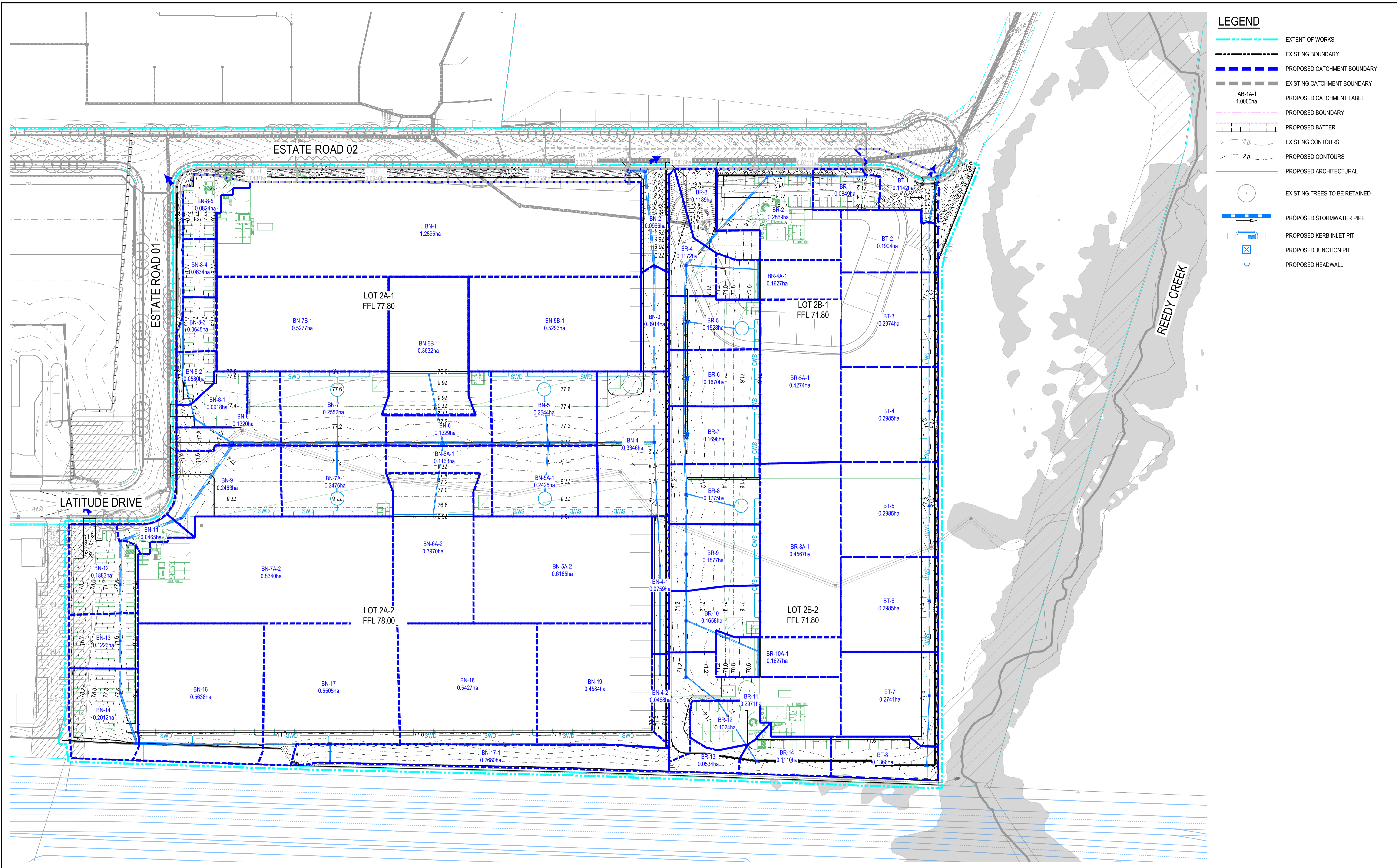
PAVEMENT PLAN

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Drawing No.	Project Number
OP2-AAP-DA-DRG-CI-0341	30236891

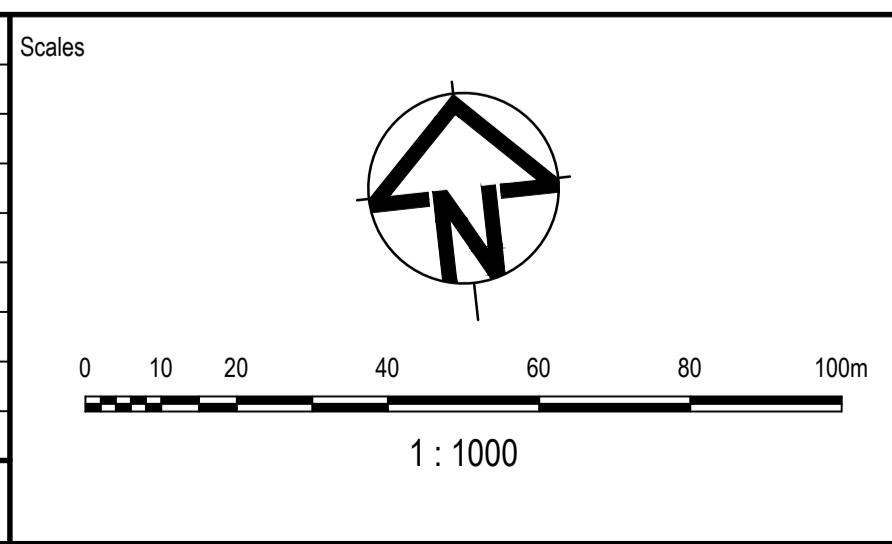
Issue

02



LEGEND	
	EXTENT OF WORKS
	EXISTING BOUNDARY
	PROPOSED CATCHMENT BOUNDARY
	EXISTING CATCHMENT BOUNDARY
	PROPOSED CATCHMENT LABEL
	PROPOSED BOUNDARY
	PROPOSED BATTER
	EXISTING CONTOURS
	PROPOSED CONTOURS
	PROPOSED ARCHITECTURAL
	EXISTING TREES TO BE RETAINED
	PROPOSED STORMWATER PIPE
	PROPOSED KERB INLET PIT
	PROPOSED JUNCTION PIT
	PROPOSED HEADWALL

Issue	Description	DR	CH	VE	Date
02	ISSUE FOR DEVELOPMENT APPLICATION	JL	KR	JB	20.01.25
01	FOR CLIENT REVIEW	JL	KR	NB	18.10.24



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Verified	J. BARRETT		

Project	
OAKDALE ESTATE PRECINCT 2	
Title	
POST-DEVELOPED STORMWATER DRAINAGE CATCHMENT PLAN	

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Project Number	30236891
Issue	02

Drawing No: OP2-AAP-DA-DRG-CI-0421