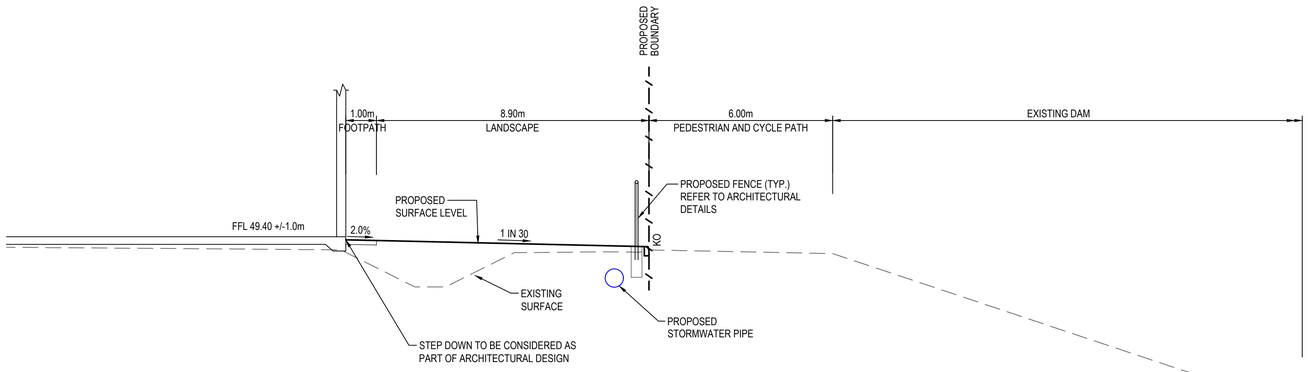
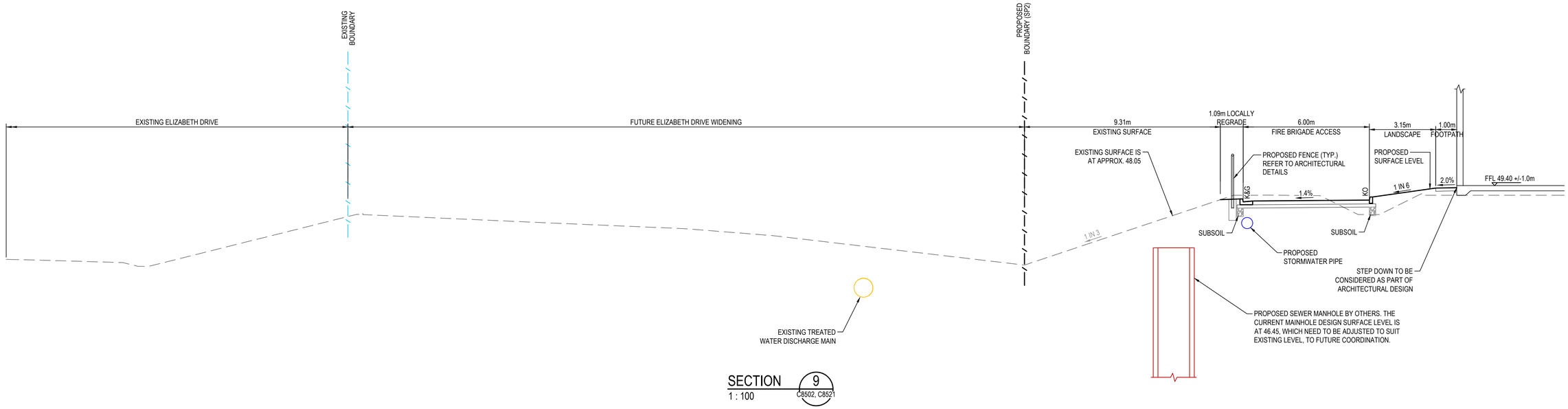


SECTION 8
1 : 100
C8502, C8522

NOTE:
LANDSCAPING INCLUDING TREE PLANTING IS PROPOSED BOTH ABOVE AND IN FRONT OF MOST RETAINING WALLS. RETAINING WALL DESIGNS MUST CONSIDER LANDSCAPE WORKS. REFER TO SITE IMAGE LANDSCAPE DRAWINGS FOR DETAILS OF PROPOSED LANDSCAPING. FOR ONLOT LANDSCAPING CONTRACTOR TO SEEK ADVICE FROM SUPERINTENDENT.



SECTION 9
1 : 100
C8502, C8521

Issue	Description	Date
A	ISSUED FOR SSDA	23-01-2026

Bar Scales
0 2 4 6 8 10m
1 : 100 @ A1 1 : 200 @ A3

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Client: mirvac

Scales	1:100
Drawn	SC
Designed	SC
Grid	MGA2020
Checked	GB
Height Datum	AHD
Approved	DS

GDA2020

Project
SEED
STAGE 1B SSD
8500 SERIES
LOT 5 ONLOT WORKS PACKAGE

Title
TYPICAL SITE SECTIONS
SHEET 4

Civil Engineers and Project Managers
at&l
Level 10, 124 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

Status: FOR APPROVAL
NOT FOR CONSTRUCTION

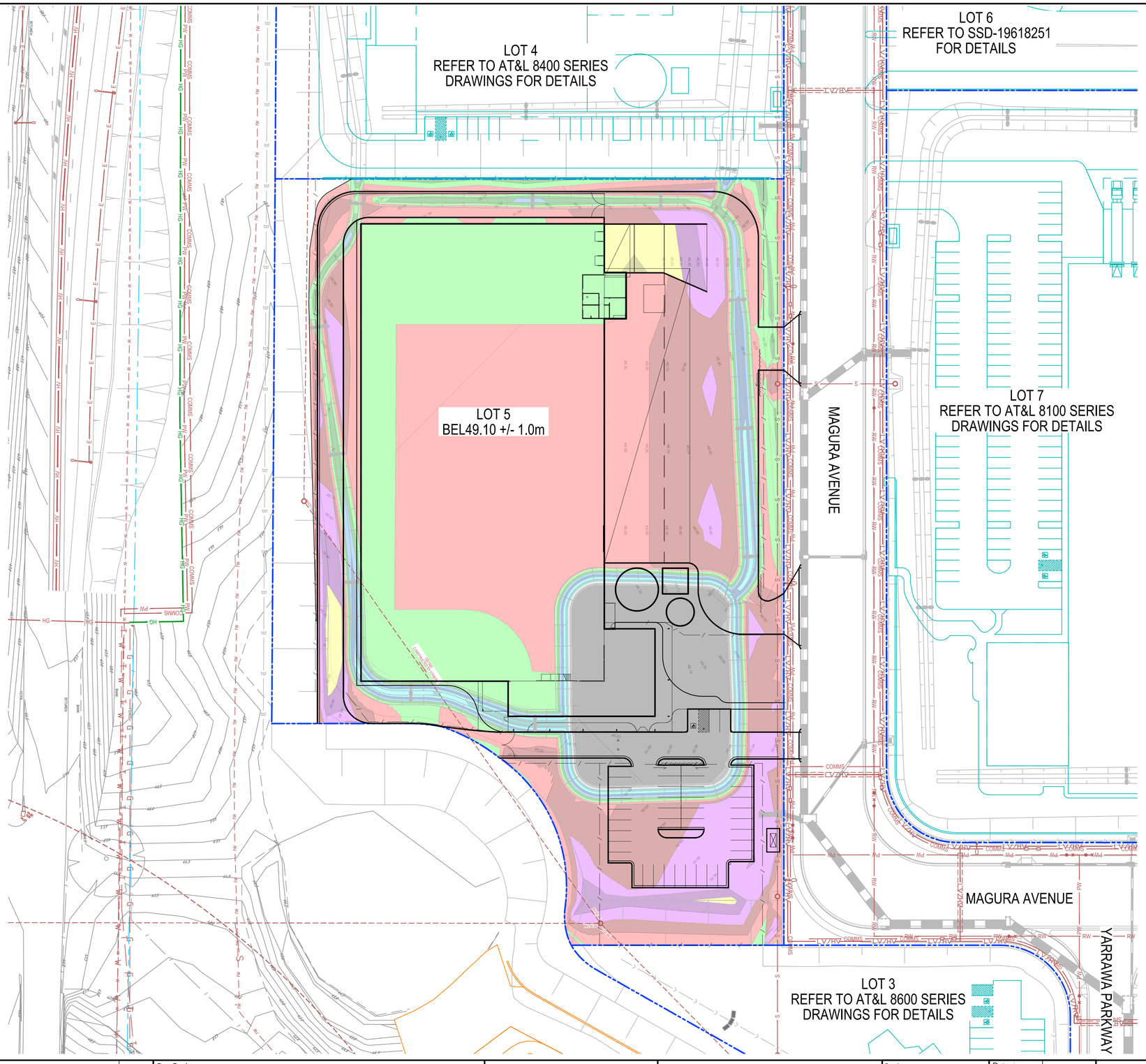
A1

Project - Drawing No.: 16-369-C8506

Issue: A

100mm on Original

F:\16-369 Kemps Creek\Drgs\Civil\Final\8000_Onlot Works Packages\8500_LOT 5\16-369-C8506.dwg



CUT\FILL DEPTH RANGE LEGEND

Lower_value		Upper_value		Colour
-1000	to	-2.00	m	
-2.00	to	-1.75	m	
-1.75	to	-1.50	m	
-1.50	to	-1.25	m	
-1.25	to	-1.00	m	
-1.00	to	-0.75	m	
-0.75	to	-0.50	m	
-0.50	to	-0.25	m	
-0.25	to	0.00	m	
0.00	to	0.25	m	
0.25	to	0.50	m	
0.50	to	0.75	m	
0.75	to	1.00	m	
1.00	to	1.25	m	
1.25	to	1.50	m	
1.50	to	1.75	m	
1.75	to	2.00	m	
2.00	to	1000	m	

EARTHWORKS VOLUMES

NET CUT (cu.m)	NET FILL (cu.m)	BALANCE (cu.m)
3,019	5,488	2,469(IMPORT)

NOTES

1. THE ABOVE VOLUMES ARE CALCULATED WITH THE ASSUMPTION THAT THE INFRASTRUCTURE WORKS ARE COMPLETED.
2. INFRASTRUCTURE EARTHWORKS ARE SUBJECT TO CHANGE WAE SURVEY TO CONFIRM VOLUMES.
3. THE CALCULATED EARTHWORKS VOLUME IS APPROXIMATE ONLY AND IS CALCULATED FROM THE INFRASTRUCTURE DESIGN SURFACE WITH AN EXISTING SEDIMENT BASIN LESS THE DESIGN BULK EARTHWORKS SURFACE. IT EXCLUDES ANY STOCKPILES ON SITE OR MODIFICATIONS TO THE INFRASTRUCTURE DESIGN DUE TO ACCESS TRACKS, SITE COMPOUNDS, etc
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
   - RAINWATER TANKS AND STORMWATER REUSE TANK
   -RETAINING WALL SELECT BACKFILL
5. ASSUMED ALL PAVEMENT AND LANDSCAPE DEPTH ARE 300mm.
6. ALL EARTHWORKS SHALL BE CARRIED OUT UNDER LEVEL 1 SUPERVISION IN ACCORDANCE WITH THE RELEVANT AUSTRALIAN STANDARD AND ALL RECOMMENDATIONS REGARDING SITE MANAGEMENT, EARTHWORKS PREPARATION, BATTERS, RETAINING WALLS, DRAINAGE, ETC AS OUTLINED IN THE GEOTECHNICAL REPORT.

Issue	Description	Date
B	ISSUED FOR SSDA	23-01-2026
A	ISSUED FOR SSDA	19-01-2026

Bar Scales

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

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Client

mirvac

Scales	1:500	Drawn	SC
		Designed	SC
Grid	MGA2020	Checked	GB
Height Datum	AHD	Approved	DS

GDA2020

Project

SEED
STAGE 1B SSD
8500 SERIES
LOT 5 ONLOT WORKS PACKAGE

Title

BULK EARTHWORKS PLAN

Civil Engineers and Project Managers
at&l
Level 10, 124 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

Status: FOR APPROVAL
NOT FOR CONSTRUCTION

A1

Project - Drawing No.: 16-369-C8510

Issue: B

100mm on Original

F:\16-369 Kemps Creek\Drgs\Civil\Final\8000_Onlot Works Packages\8500_LOT 5\16-369-C8510.dwg

LOT 4
REFER TO AT&L 8400 SERIES DRAWINGS
FOR DETAILS

RETAINING WALL TO BE BUILT WITH LOT 4, REFER TO AT&L 8400 SERIES DRAWINGS FOR DETAILS. RETAINING WALL DRAINAGE TO BE CONNECTED TO LOT 5 STORMWATER NETWORK

RETAINING WALL TO BE BUILT WITH LOT 4, REFER TO AT&L 8400 SERIES DRAWINGS FOR DETAILS. RETAINING WALL DRAINAGE TO BE CONNECTED TO LOT 5 STORMWATER NETWORK

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

PROPOSED FENCE (TYP.) REFER TO ARCHITECTURAL DETAILS

PROPOSED SWALE

INDUSTRIAL CROSS OVER TO BE CONSTRUCTED TO PCC STANDARDS AND GUIDELINES REFER DRAWING SD1004 FOR DETAILS

SYDNEY WATER BADGERYS CREEK SEWER CARRIER (NOT YET CONSTRUCTED)

PROPOSED FENCE (TYP.) REFER TO ARCHITECTURAL DETAILS

SEWER MAINHOLE SURFACE LEVEL TO BE ADJUSTED TO APPROX. 48.00

LOT 5
WAREHOUSE
FFL 49.40 +/- 1.0m

MAGURA AVENUE

LOT 7
REFER TO AT&L 8100 SERIES
DRAWINGS FOR DETAILS

LEGEND

- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- 49.20 — PROPOSED CONTOUR
- K&G — KERB AND GUTTER
- KO — KERB ONLY
- IK — INTEGRAL KERB ONLY
- DD — DISH DRAIN
- ● F49.00 — FINISHED SURFACE LEVEL
- Ø375 — STORMWATER PIPE WITH SIZE
- GD — STORMWATER GRATED DRAIN WITH CLASS "D" COVER
- DP SW — STORMWATER DOWNPIPE & uPVC DRAINAGE LINE
- SUBSOIL DRAINAGE (100mm Ø)
- CATCHDRAIN
- KERB INLET PIT
- SURFACE INLET PIT
- JUNCTION PIT
- STORMWATER OVERLAND FLOWPATH
- EXISTING STORMWATER PIPE
- EXISTING RETAINING WALL
- SYDNEY WATER REGIONAL BASIN
- S — EXISTING SEWER MAIN
- RW / PW — EXISTING WATER MAIN
- NBN — EXISTING NBN
- LV/HV — EXISTING ELECTRICAL
- G — EXISTING GAS MAIN
- rw — rw — EXISTING TREATED WATER DISCHARGE MAIN

NOTES:
1. ALL LEVELS SHOWN ARE ± 1000mm
2. ROOF WATER DOWN PIPE LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN.
3. RETAINING WALL LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN.
4. VEHICLE TURNING PATHS TO BE CONFIRMED DURING DETAILED DESIGN.

Issue	Description	Date
B	ISSUED FOR SSDA	23-01-2026
A	ISSUED FOR SSDA	19-01-2026

Bar Scales

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

100mm on Original

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Client: mirvac

Scales: 1:250
Grid: MGA2020
Height Datum: AHD
GDA2020

Drawn	SC
Designed	SC
Checked	GB
Approved	DS

Project
SEED
STAGE 1B SSD
8500 SERIES
LOT 5 ONLOT WORKS PACKAGE

Title
SITE WORKS
PLAN
SHEET 1

Civil Engineers and Project Managers
at&l
Level 10, 124 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

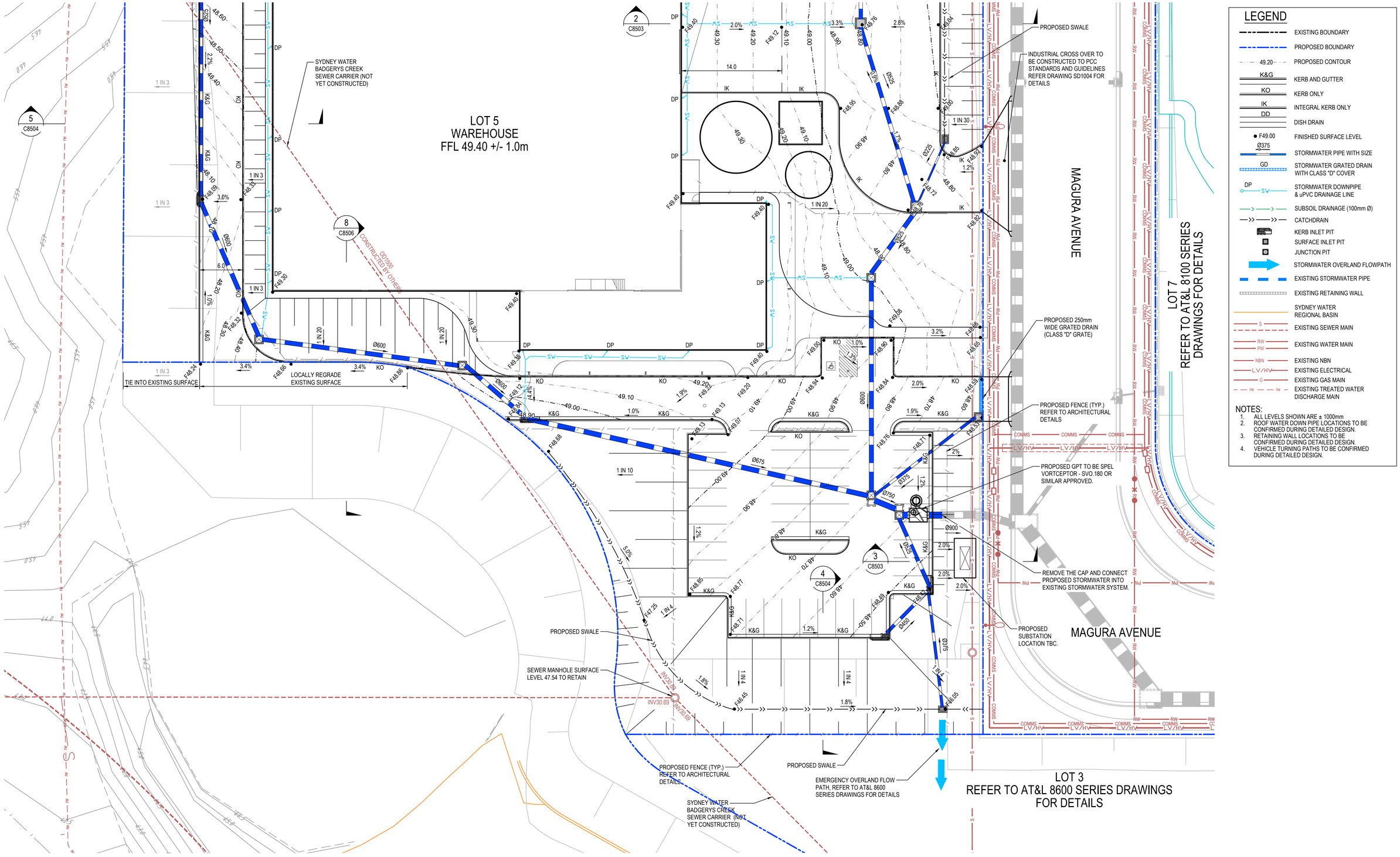
Status: FOR APPROVAL
NOT FOR CONSTRUCTION

A1

Project - Drawing No.: 16-369-C8521

Issue: B

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Issue	Description	Date
B	ISSUED FOR SSDA	23-01-2026
A	ISSUED FOR SSDA	19-01-2026

Bar Scales

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

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Client

mirvac

Scales	1:250
Grid	MGA2020
Height Datum	AHD
Drawn	SC
Designed	SC
Checked	GB
Approved	DS

GDA2020

Project

SEED
STAGE 1B SSD
8500 SERIES
LOT 5 ONLOT WORKS PACKAGE

Title

SITE WORKS
PLAN
SHEET 2

Civil Engineers and Project Managers
at&l
Level 10, 124 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

Status: FOR APPROVAL
NOT FOR CONSTRUCTION

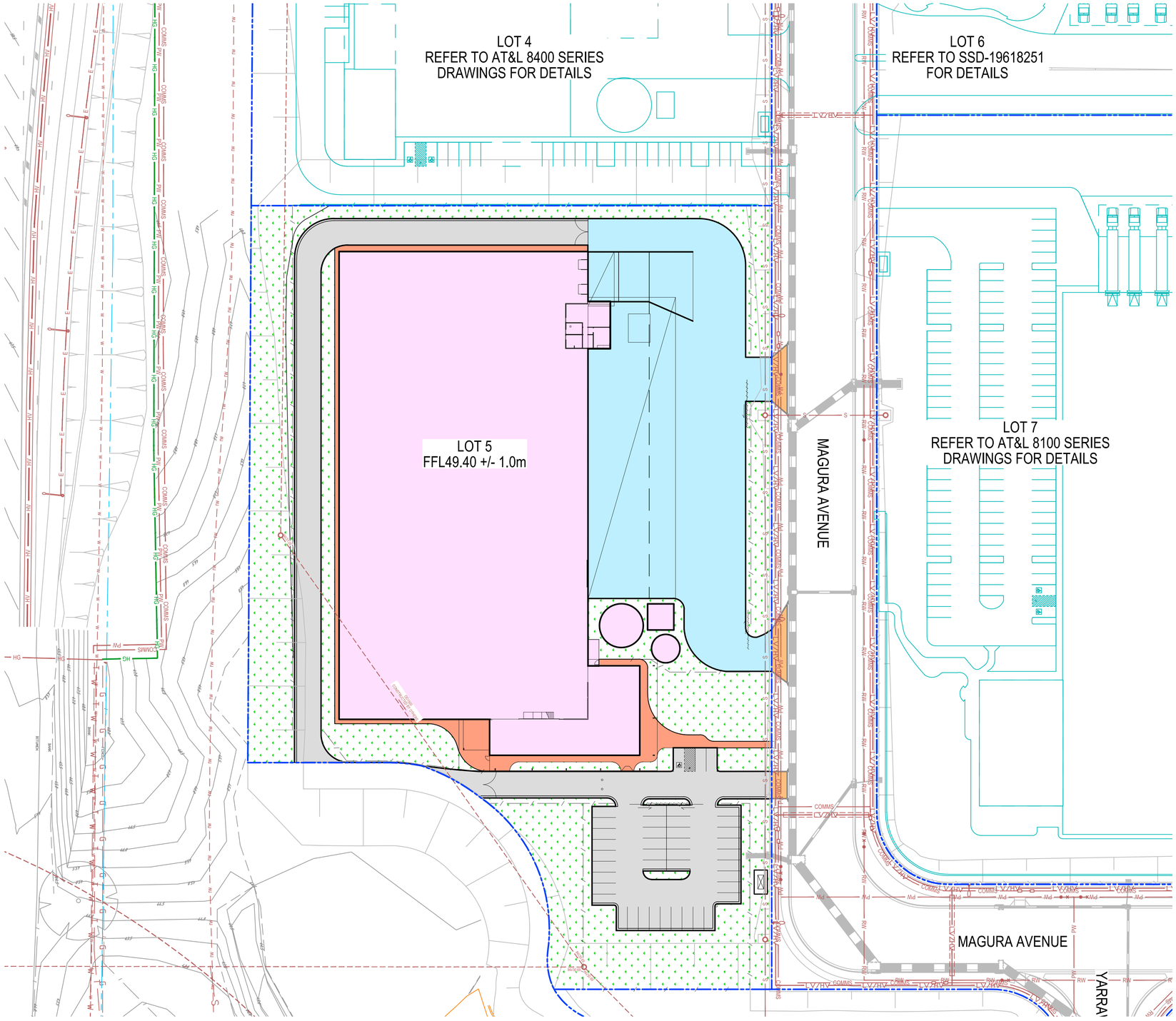
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Project - Drawing No.: 16-369-C8522

Issue: B

100mm on Original

F:\16-369 Kemps Creek\Drgs\Civil\Final\8000_Onlot Works Packages\8500_LOT 5\16-369-C8522.dwg



LEGEND

- HEAVY DUTY RIGID PAVEMENT
- ASPHALT PAVEMENT CARPARK AISLES
- LANDSCAPE
- FOOTPATH
- WAREHOUSE SLAB
- DRIVEWAY PAVEMENT TO PCC STANDARDS AND GUIDELINES

NOTE: PAVEMENT THICKNESS SUBJECT TO DETAILED DESIGN

Issue	Description	Date
B	ISSUED FOR SSDA	23-01-2026
A	ISSUED FOR SSDA	19-01-2026

100mm on Original

Bar Scales

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

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Client

mirvac

Scales 1:500

Grid MGA2020

Height Datum AHD

GDA2020

Drawn	SC
Designed	SC
Checked	GB
Approved	DS

Project

SEED
STAGE 1B SSD
8500 SERIES
LOT 5 ONLOT WORKS PACKAGE

Title

PAVEMENT
PLAN

Civil Engineers and Project Managers
at&l
Level 10, 124 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

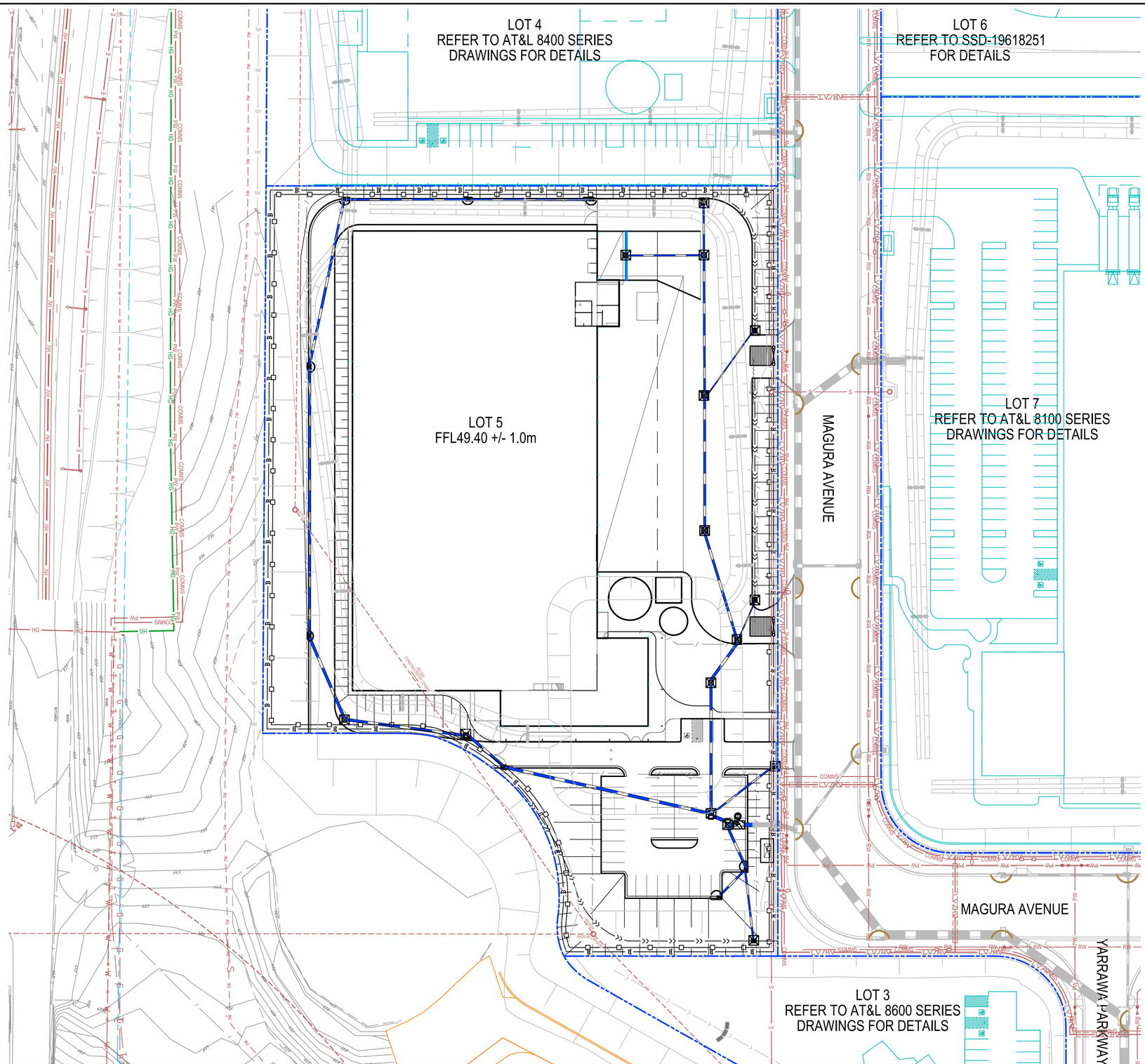
Status FOR APPROVAL
NOT FOR CONSTRUCTION

A1

Project - Drawing No. 16-369-C8531

Issue B

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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

Issue	Description	Date
B	ISSUED FOR SSDA	23-01-2026
A	ISSUED FOR SSDA	19-01-2026

Bar Scales

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

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Client

mirvac

Scales	1:500	Drawn	SC
		Designed	SC
Grid	MGA2020	Checked	GB
Height Datum	AHD	Approved	DS

GDA2020

Project

SEED
STAGE 1B SSD
8500 SERIES
LOT 5 ONLOT WORKS PACKAGE

Title

EROSION AND SEDIMENT CONTROL PLAN

Civil Engineers and Project Managers
at&l
Level 10, 124 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

Status: FOR APPROVAL
NOT FOR CONSTRUCTION

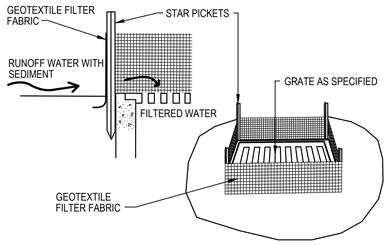
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Project - Drawing No.: 16-369-C8541

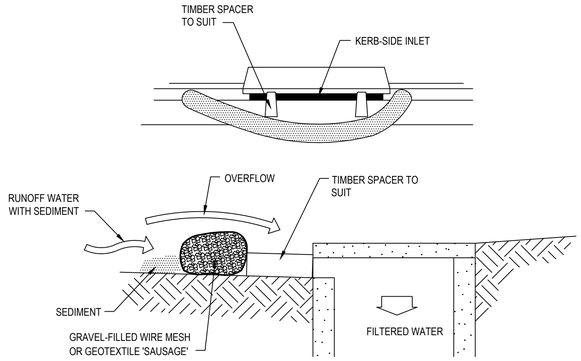
Issue: B

100mm on Original

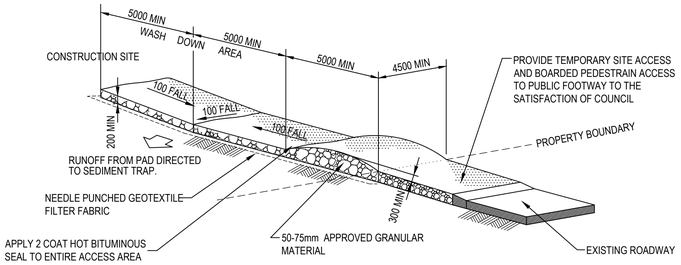
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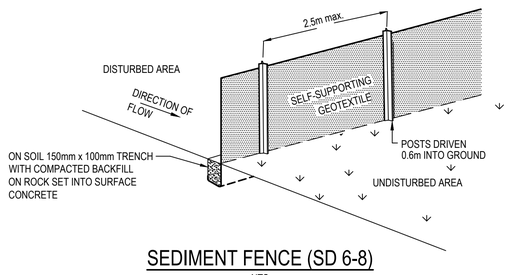
GEOTEXTILE INLET FILTER
NTS



MESH AND GRAVEL INLET FILTER
NTS



STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA (SD 6-14)
NTS



SEDIMENT FENCE (SD 6-8)
NTS

Issue	Description	Date
B	ISSUED FOR SSDA	23-01-2026
A	ISSUED FOR SSDA	19-01-2026

Bar Scales

100mm on Original

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Client: mirvac

Scales	N.T.S.	Drawn	SC
		Designed	SC
Grid	MGA2020	Checked	GB
Height Datum	AHD	Approved	DS

GDA2020

Project: SEED
STAGE 1B SSD
8500 SERIES
LOT 5 ONLOT WORKS PACKAGE

Title: EROSION AND SEDIMENT DETAILS

Civil Engineers and Project Managers
at&l
Level 10, 124 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

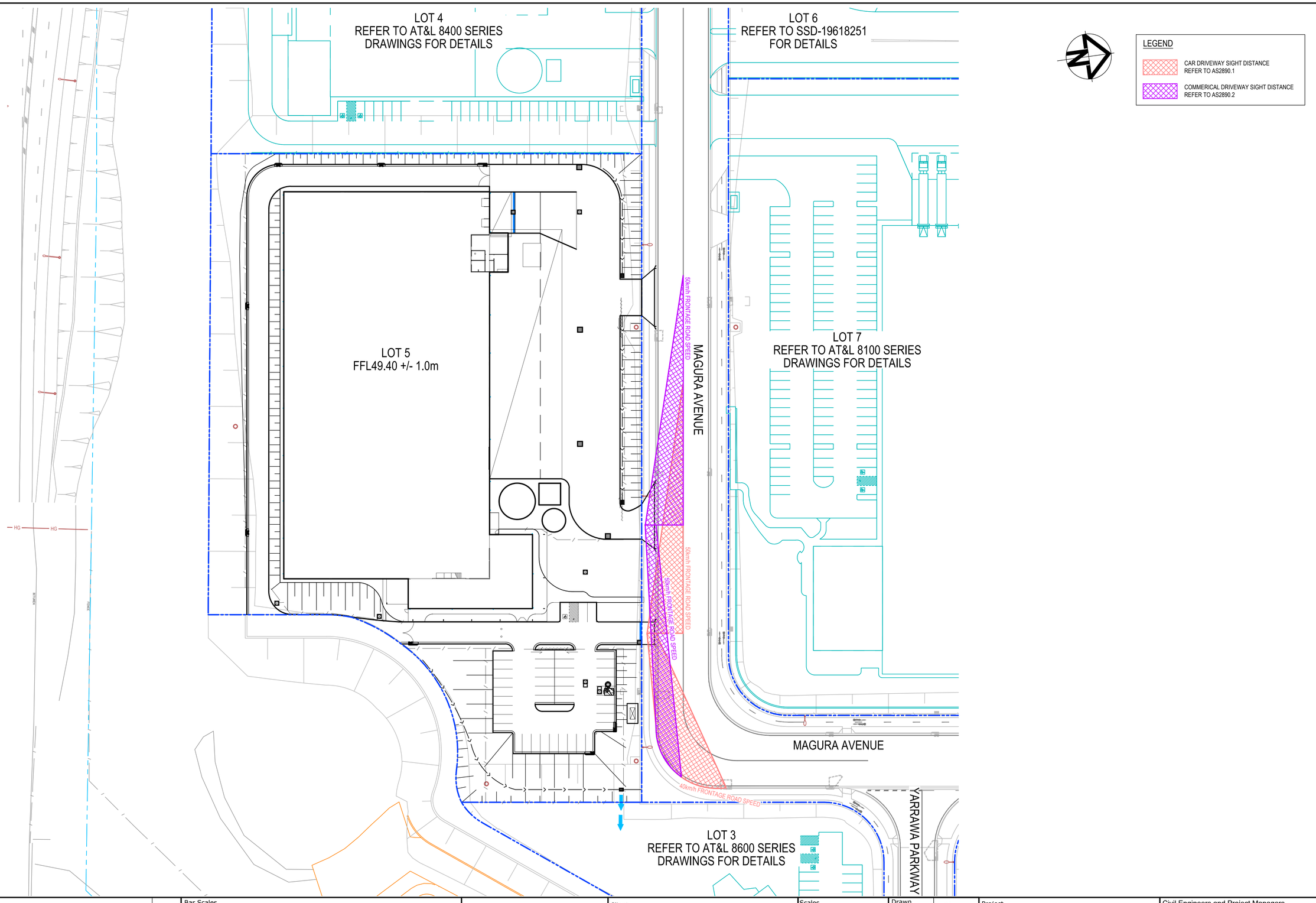
Status: FOR APPROVAL
NOT FOR CONSTRUCTION

A1

Project - Drawing No.: 16-369-C8542

Issue: B

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Issue	Description	Date
A	ISSUED FOR SSDA	02-03-2026

100mm on Original

Bar Scales

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

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Client

mirvac

Scales	1:500
Grid	MGA2020
Height Datum	AHD
Drawn	SC
Designed	SC
Checked	GB
Approved	DS

GDA2020

Project

SEED
STAGE 1B SSD
8500 SERIES
LOT 5 ONLOT WORKS PACKAGE

Title

SIGHT DISTANCE
PLAN

Civil Engineers and Project Managers
at&l
Level 10, 124 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

Status: FOR APPROVAL
NOT FOR CONSTRUCTION

A1

Project - Drawing No.: 16-369-C8550

Issue: A

F:\16-369 Kemps Creek\Drgs\Civil\Final\8000_Onlot Works Packages\8500_LOT 5\16-369-C8550.dwg

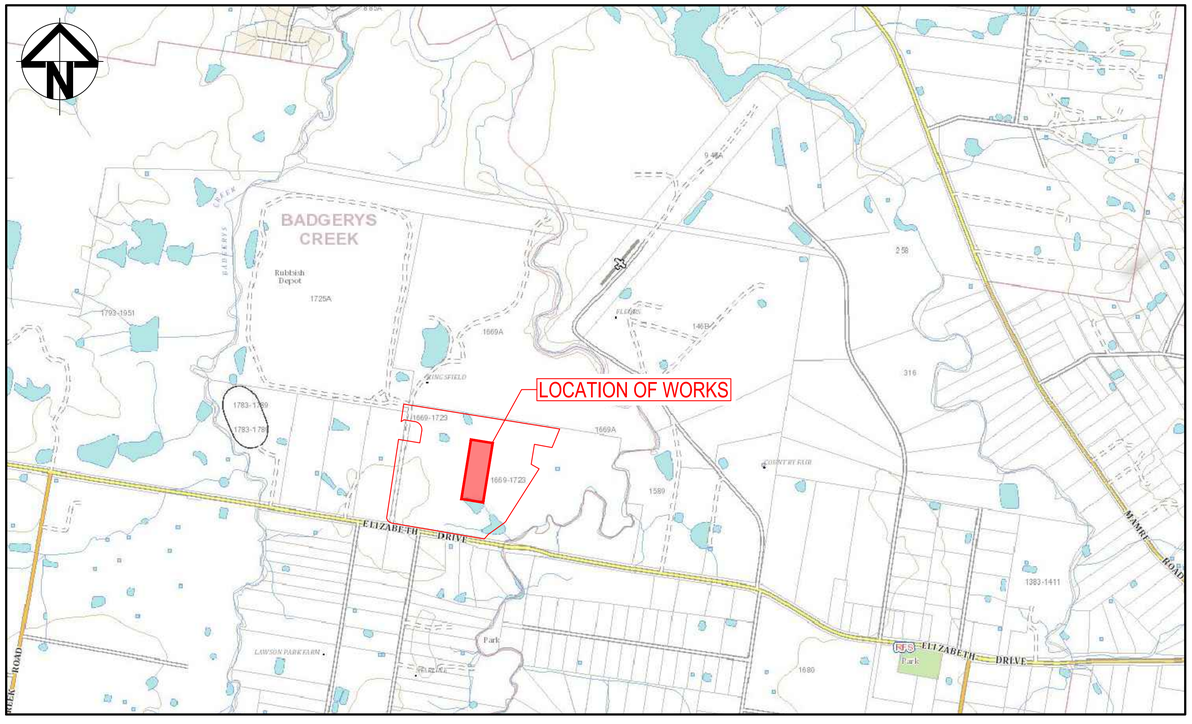
SEED

8100 SERIES - LOT 7

ONLOT CIVIL WORKS PACKAGE

STAGE 1B STATE SIGNIFICANT DEVELOPMENT

DRAWING LIST	
GENERAL	
16-369-C8100	COVER PAGE & DRAWING LIST
16-369-C8101	GENERAL NOTES
16-369-C8102	GENERAL ARRANGEMENT PLAN
16-369-C8103	TYPICAL SECTIONS SHEET 1
16-369-C8104	TYPICAL SECTIONS SHEET 2
16-369-C8105	TYPICAL SECTIONS SHEET 3
16-369-C8106	TYPICAL SECTIONS SHEET 4
16-369-C8107	TYPICAL SECTIONS SHEET 5
BULK EARTHWORKS	
16-369-C8110	BULK EARTHWORKS CUT/FILL PLAN
SITEWORKS	
16-369-C8121	SITEWORKS PLAN SHEET 1
16-369-C8122	SITEWORKS PLAN SHEET 2
16-369-C8123	SITEWORKS PLAN SHEET 3
16-369-C8124	SITEWORKS PLAN SHEET 4
PAVEMENT PLAN	
16-369-C8131	PAVEMENT PLAN
EROSION AND SEDIMENT CONTROL	
16-369-C8141	EROSION AND SEDIMENT CONTROL PLAN
16-369-C8142	EROSION AND SEDIMENT CONTROL DETAILS



LOCALITY PLAN

NOT TO SCALE

Issue	Description	Date
E	ISSUED FOR APPROVAL	02-03-26
D	ISSUED FOR APPROVAL	26-02-26
C	ISSUED FOR APPROVAL	27-11-25
B	ISSUED FOR APPROVAL	12-11-25
A	ISSUED FOR APPROVAL	10-11-25

100mm on Original

Bar Scales

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Clien

mirvac

Scales

Drawn MH

Designed MH

Grid MGA2020

Checked DS

Height Datum AHD

Approved DS

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GDA2020

Project

SEED
LOT 7
ONLOT WORKS PACKAGE

Title

COVER PAGE
& DRAWING LIST

Civil Engineers and Project Managers

at&l

Level 10, 125 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

ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION

A1

Project - Drawing No.

16-369-C8100

Issue

E

F:\16-369 Kemps Creek\Drgs\Civil\Final\8000_Onlot Works Packages\8100_LOT 7\16-369-C8100.dwg

SITEWORKS NOTES

1. ORIGIN OF LEVELS:- REFER SURVEY NOTES.
2. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCIES TO BE REPORTED TO AT & L.
3. MAKE SMOOTH CONNECTION WITH EXISTING WORKS.
4. ALL TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO THE SAME DENSITY AS THE ADJACENT MATERIAL.
5. ALL SERVICE TRENCHES UNDER VEHICULAR PAVEMENTS SHALL BE BACKFILLED WITH SAND TO 300mm ABOVE PIPE. WHERE PIPE IS UNDER PAVEMENTS BACKFILL, REMAINDER OF TRENCH TO UNDERSIDE OF PAVEMENT WITH SAND OR APPROVED GRANULAR MATERIAL COMAPACTED IN 150mm LAYERS TO MINIMUM 98% MODIFIED MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. (OR A DENSITY INDEX OF NOT LESS THAN 75)
6. PROVIDE 10mm WIDE EXPANSION JOINTS BETWEEN BUILDINGS AND ALL CONCRETE OR UNIT PAVEMENTS.
7. ASPHALTIC CONCRETE SHALL CONFORM TO R.M.S SPECIFICATION R116.
8. ALL BASECOURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH R.M.S FORM 3051 (UNBOUND), R.M.S FORM 3052 (BOUND) COMPACTED TO MINIMUM 98% MODIFIED DENSITY IN ACCORDANCE WITH AS 1289 5.2.1 FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m OF BASECOURSE MATERIAL PLACED.
9. ALL SUB-BASE COURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH R.M.S FORM 3051, 3051.1 AND COMPACTED TO MINIMUM 95% MODIFIED DENSITY IN ACCORDANCE WITH A.S 1289 5.2.1 FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m^3 OF SUB-BASE COURSE MATERIAL PLACED.
10. AS AN ALTERNATIVE TO THE USE OF IGNEOUS ROCK AS A SUB-BASE MATERIAL IN (9) A CERTIFIED RECYCLED CONCRETE MATERIAL COMPLYING WITH R.M.S FORM 3051 AND 3051.1 WILL BE CONSIDERED. SUBJECT TO MATERIAL SAMPLES AND APPROPRIATE CERTIFICATIONS BEING PROVIDED TO THE SATISFACTION OF AT & L.
11. SHOULD THE CONTRACTOR WISH TO USE A RECYCLED PRODUCT THE CONTRACTOR IS TO SEEK ACCEPTANCE OF THE PRODUCT FROM AT&L. THE PRICE DIFFERENCE BETWEEN AN IGNEOUS PRODUCT AND A RECYCLED PRODUCT SHALL BE CLEARLY INDICATED.
12. WHERE NOTED ON THE DRAWINGS THAT WORKS ARE TO BE CARRIED BY OTHERS, (eg. ADJUSTMENT OF SERVICES), THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CO-ORDINATION OF THESE WORKS.
13. ALL WORKS CARRIED OUT ADJACENT TO AND WITHIN TRANSGRID'S EASEMENT TO COMPLY WITH TRANSGRID'S GUIDELINES AND REQUIREMENTS.
14. ALL WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH PENRITH CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION FOR CIVIL WORKS.

SURVEY NOTES

THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN INVESTIGATED BY LTS LOCKLEY (43798DT_MGA2020), 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.
PRIOR TO THE COMMENCEMENT OF THE WORKS, THE CONTRACTOR SHALL UNDERTAKE A DETAILED BOUNDARY SURVEY AND COMPARE AGAINST THE DESIGN FOR DISCREPANCIES.

SHOULD DISCREPANCIES BE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA, DESIGN DATA AND ACTUAL FIELD DATA, CONTACT AT & L IMMEDIATELY.

THE FOLLOWING NOTES HAVE BEEN TAKEN DIRECTLY FROM THE ORIGINAL SURVEY DOCUMENTS.

THE TITLE BOUNDARIES SHOWN HEREON WERE NOT MARKED AT THE TIME OF SURVEY AND HAVE BEEN DETERMINED BY PLAN DIMENSIONS ONLY AND NOT BY FIELD SURVEY.

SERVICES SHOWN HEREON HAVE BEEN LOCATED WHERE POSSIBLE BY FIELD SURVEY. IF NOT ABLE TO BE SO LOCATED, SERVICES HAVE BEEN PLOTTED FROM THE RECORDS OF RELEVANT AUTHORITIES WHERE AVAILABLE AND HAVE BEEN NOTED ACCORDINGLY ON THE PLAN. WHERE SUCH RECORDS DO NOT EXIST OR ARE INADEQUATE A NOTATION HAS BEEN MADE HEREON.

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.

DEWATERING

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

EXISTING UNDERGROUND SERVICES

1. 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.
2. 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.
3. CONTRACTORS SHALL TAKE DUE CARE WHEN EXCAVATING ONSITE INCLUDING HAND EXCAVATION WHERE NECESSARY.
4. CONTRACTORS ARE TO CONTACT THE RELEVANT SERVICE AUTHORITY PRIOR TO COMMENCEMENT OF EXCAVATION WORKS.
5. 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.
6. PRIOR TO COMMENCEMENT OF 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.

CONCRETE NOTES

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 CURRENT EDITION WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
2. CONCRETE QUALITY
   ALL REQUIREMENTS OF THE CURRENT ACSE CONCRETE SPECIFICATION DOCUMENT 1 SHALL APPLY TO THE FORMWORK, REINFORCEMENT AND CONCRETE UNLESS NOTED OTHERWISE.

ELEMENT	AS 3600 F'c MPa AT 28 DAYS	SPECIFIED SLUMP	NOMINAL AGG. SIZE
VEHICULAR BASE	32	60	20
KERBS, PATHS, AND PITS	25	80	20

   - CEMENT TYPE SHALL BE (ACSE SPECIFICATION) TYPE SL
   - PROJECT CONTROL TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH AS 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
   17 N 20 250
   NOMINAL BAR SIZE IN mm — SPACING IN mm

   THE FIGURE FOLLOWING THE FABRIC SYMBOL SL IS THE REFERANCE NUMBER FOR FABRIC TO AS 1304.
8. FABRIC SHALL BE LAPPED IN ACCORDANCE WITH THE FOLLOWING DETAIL:



KERBING NOTES

1. ALL CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 25 MPa U.N.O IN REINFORCED CONCRETE NOTES.
2. ALL KERBS, GUTTERS, DISH DRAINS AND CROSSINGS TO BE CONSTRUCTED ON MIN. 100mm GRANULAR BASECOURSE COMPACTED TO MINIMUM 95% MODIFIED DRY DENSITY (AS 1289 5.2.1).
3. EXPANSION JOINTS (E-J) TO BE FORMED FROM 10mm COMPRESSIBLE CORK FILLER BOARD FOR THE FULL DEPTH OF THE SECTION AND CUT TO PROFILE. EXPANSION JOINTS TO BE LOCATED AT DRAINAGE PITS, ON TANGENT POINTS OF CURVES AND ELSEWHERE AT MAX 12m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE EXPANSION JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLABS.
4. WEAKENED PLANE JOINTS TO BE MIN 3mm WIDE AND LOCATED AT 3m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE WEAKENED PLANE JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLABS.
5. BROOM 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 :-
   IF REQUIRED 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.

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 '3' APPROVED SPIGOT AND SOCKET WITH RUBBER RING JOINTS. U.N.O. ALL ROAD CROSSINGS TO BE CLASS '4' U.N.O..
3. PIPES UP TO 300 DIA SHALL BE SEWER GRADE uPVC WITH SOLVENT WELDED JOINTS.
4. EQUIVALENT STRENGTH VCP OR FRC PIPES MAY BE USED, SUBJECT TO THE APPROVAL 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 HS2 SUPPORT IN ACCORDANCE WITH AS 3725 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. ENLARGERS, CONNECTIONS AND JUNCTIONS TO BE PREFABRICATED FITTINGS WHERE PIPES ARE LESS THAN 300 DIA.
9. WHERE SUBSOIL DRAINS PASS UNDER FLOOR SLABS AND VEHICULAR PAVEMENTS, UNSLOTTED uPVC SEWER GRADE PIPE IS TO BE USED.
10. CARE IS TO BE TAKEN WITH LEVELS OF STORMWATER LINES. GRADES SHOWN ARE NOT TO BE REDUCED WITHOUT APPROVAL.
11. GRATES AND COVERS SHALL CONFORM TO AS 3996 AND PENRITH CITY COUNCIL CONSTRUCTION SPECIFICATIONS.
12. AT ALL TIMES DURING CONSTRUCTION OF STORMWATER PITS, ADEQUATE SAFETY PROCEDURES SHALL BE TAKEN TO ENSURE AGAINST THE POSSIBILITY OF PERSONNEL FALLING DOWN PITS.
13. 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.
14. ALL STORMWATER PITS ARE TO BE CAST IN-SITU IN ACCORDANCE WITH THE STORMWATER DETAILS AND SPECIFICATIONS, UNLESS APPROVED BY THE SUPERINTENDENT / PENRITH CITY COUNCIL. IF APPROVED AND IN ADDITION TO THE SPECIFICATION.

A. ALL PRE-CAST PITS ARE TO BE STRUCTURALLY CERTIFIED TO MEET RELEVANT AUSTRALIAN STANDARDS (AS3600, AS3996).
B. ALL PRECAST PITS TO BE FOUNDED ON CONCRETE BLINDING LAYER WITH A MINIMUM ALLOWABLE BEARING CAPACITY OF 100KPA UP TO 3.0M DEPTH TO INVERT AND 150KPA FROM 3.0M TO 6.0M DEPTH TO INVERT (MINIMUM 100MM THICK 25MPA OR DEEPER TO ENSURE MINIMUM SPECIFIED BEARING CAPACITY IS ACHIEVED).
C. PRE-CAST STORMWATER PITS ARE TO BE CUSTOM MADE WITH OPENINGS WITHIN +50MM OD OF PIPE, HEIGHTS AND PIPE PENETRATIONS DURING MANUFACTURE. ANY ADDITIONAL PENETRATIONS SHALL BE CORE DRILLED.
D. DEMOLITION SAWS ARE NOT TO BE USED IN ANY CIRCUMSTANCES.
E. SINGLE UNITS PREFERRED BUT IF REQUIRED MINIMUM RISER DEPTH 600MM PIT INSTALLATION AND JOINTING PIPES TO PITS SHALL BE UNDERTAKEN IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
F. ANY DAMAGE TO THE STRUCTURAL INTEGRITY OF THE PRE-CAST PIT WILL BE REPAIRED AND STRUCTURALLY CERTIFIED TO THE SATISFACTION OF THE SUPERINTENDENT / PENRITH CITY COUNCIL.
G. ALL PRE-CAST PIT PENETRATIONS SHALL BE CUT SO THAT IT IS FLUSH WITH THE INTERNAL WALL.
H. PIPE JOINTING/SEALING OF PIPE PENETRATION TO BE WITH A NON-SHRINK MORTAR MIX, E.G. LANKO 702 DURABED OR SIMILAR APPROVED.

EROSION AND SEDIMENT CONTROL NOTES

GENERAL INSTRUCTIONS

1. THE CONTRACTOR IS RESPONSIBLE FOR ENGAGING A SUITABLY QUALIFIED EROSION AND SEDIMENT CONSULTANT FOR THE DURATION OF THE CONTRACT WITH THE EXPERTISE IN DESIGNING AND DOCUMENTING THE CONTROLS TO ALLOW THE INSTALLATION AND MAINTENANCE OF THE EROSION AND SEDIMENT CONTROLS. SUITABLE EROSION AND SEDIMENT CONTROLS SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR REQUIRED TO SUIT THE CONSTRUCTION STAGING
2. ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH
   a. NSW DEPARTMENT OF HOUSING MANUAL "MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION", 4th EDITION, MARCH 2004.
   b. LOCAL AUTHORITY REQUIREMENTS
   c. EPA REQUIREMENTS
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 / INSTALLED AS DIRECTED BY THE CONTRACTORS EROSION AND SEDIMENT CONTROL CONSULTANT.

EROSION CONTROL

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

SEDIMENT CONTROL

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

OTHER MATTERS

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

EROSION AND SEDIMENT CONTROL NOTES

STAGING

SUITABLE EROSION AND SEDIMENT CONTROLS SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR THROUGHOUT ALL STAGES OF WORKS, THROUGHOUT THE FULL TERM OF THE CONTRACT, WHERE SHOWN ON AT&L DRAWINGS OR WHERE DIRECTED BY THE SUPERINTENDENT OR PENRITH CITY COUNCIL'S ENGINEERS. THE CONTRACTOR IS RESPONSIBLE FOR DESIGNING, DOCUMENTING, INSTALLING AND MAINTAINING THE SEDIMENT AND EROSION CONTROLS REQUIRED TO SUIT THE SELECTED CONSTRUCTION STAGING. THIS IS TO BE DOCUMENTED IN THE FORM OF A SOIL AND WATER MANAGEMENT PLAN TO BE DEVELOPED BY THE CONTRACTOR AND THEIR EROSION AND SEDIMENT CONSULTANT AND PROVIDED BY THE SUPERINTENDENT PRIOR TO CONSTRUCTION COMMENCEMENT.

SUCH CONTROLS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE PROTECTION OF THE ENVIRONMENT OPERATIONS ACT, PENRITH CITY COUNCIL'S SPECIFICATIONS AND THE OFFICE OF ENVIRONMENT AND HERITAGE'S 'MANAGING URBAN STORMWATER: SOILS AND CONSTRUCTION: LANDCOM, (4TH EDITION) MARCH 2004 (REPRINTED 2006) (THE "BLUE BOOK"). VOLUME 1 AND VOLUME 2.

FINISHED SURFACE LEVELS

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

LEGEND:

- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- PROPOSED RETAINING WALL
- 48.20 — PROPOSED CONTOUR
- PROPOSED BATTER
  TEMPORARY BATTER 1(V):3(H)
  PERMANENT BATTER 1(V):4(H)
  U.N.O
- KO — PROPOSED KERB ONLY
- K&G — PROPOSED KERB AND GUTTER
- IK — INTEGRAL KERB ONLY
- F48.93 ✕ — FINISHED SURFACE LEVEL
- PROPOSED SAFETY BARRIER
- PROPOSED CATCH DRAIN
- GD — STORMWATER GRATED DRAIN WITH CLASS "D" COVER
- PROPOSED STORMWATER JUNCTION PIT - INLET PIT - KERB INLET PIT
- PROPOSED STORMWATER PIPE
- EXISTING STORMWATER PIPE
- DP — SW — STORMWATER DOWNPPIPE & uPVC DRAINAGE LINE
- SS — EXISTING SUBSOIL DRAINAGE
- STORMWATER OVERLAND FLOWPATH
- S — EXISTING SEWER MAIN
- W — EXISTING WATER MAIN
- NBN — EXISTING NBN
- LV/HV — EXISTING ELECTRICAL
- G — EXISTING GAS MAIN

NOTES:
1. ALL LEVELS SHOWN ARE ± 1000mm
2. ROOF WATER DOWN PIPE LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN.
3. RETAINING WALL LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN.
4. VEHICLE TURNING PATHS TO BE CONFIRMED DURING DETAILED DESIGN.

BEFORE YOU DIG www.byda.com.au

CONTRACTOR SHALL OBTAIN ALL CURRENT SERVICE AUTHORITY PLANS PRIOR TO COMMENCEMENT OF WORK

Issue	Description	Date
E	ISSUED FOR APPROVAL	02-03-26
D	ISSUED FOR APPROVAL	26-02-26
C	ISSUED FOR APPROVAL	27-11-25
B	ISSUED FOR APPROVAL	12-11-25
A	ISSUED FOR APPROVAL	10-11-25

Bar Scales

100mm on Original

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Client: mirvac

Scales

Drawn	MH
Designed	MH
Checked	DS
Approved	DS
Grid	MGA2020
Height Datum	AHD

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GDA2020

Project: SEED
LOT 7
ONLOT WORKS PACKAGE

Title: GENERAL NOTES

Civil Engineers and Project Managers
at&l
Level 10, 125 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

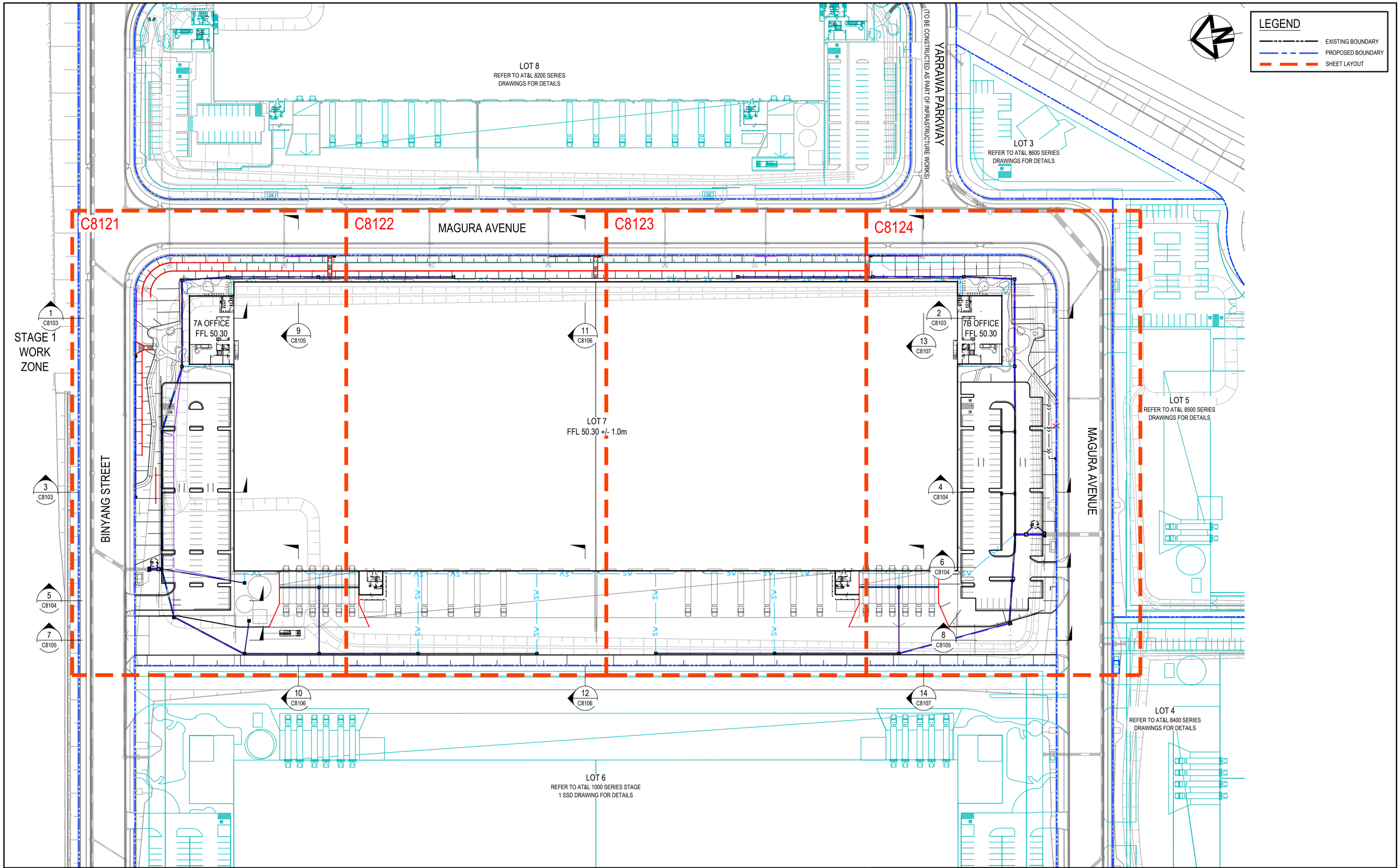
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NOT FOR CONSTRUCTION

A1

Project - Drawing No.: 16-369-C8101

Issue: E

F:\16-369 Kemps Creek\Drgs\Civil\Final\8000_Onlot Works Packages\8100_LOT 7\16-369-C8101.dwg



Issue	Description	Date
E	ISSUED FOR APPROVAL	02-03-26
D	ISSUED FOR APPROVAL	26-02-26
C	ISSUED FOR APPROVAL	27-11-25
B	ISSUED FOR APPROVAL	12-11-25
A	ISSUED FOR APPROVAL	10-11-25

Bar Scales

0 15 30 45 60m

1 : 750 @ A1 1 : 1250 @ A3

100mm on Original

Client

mirvac

Scales	1:750
Grid	MGA2020
Height Datum	AHD
Drawn	MH
Designed	MH
Checked	DS
Approved	DS

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GDA2020

Project

SEED
LOT 7
ONLOT WORKS PACKAGE

Title

GENERAL ARRANGEMENT PLAN

Civil Engineers and Project Managers

at&l

Level 10, 124 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

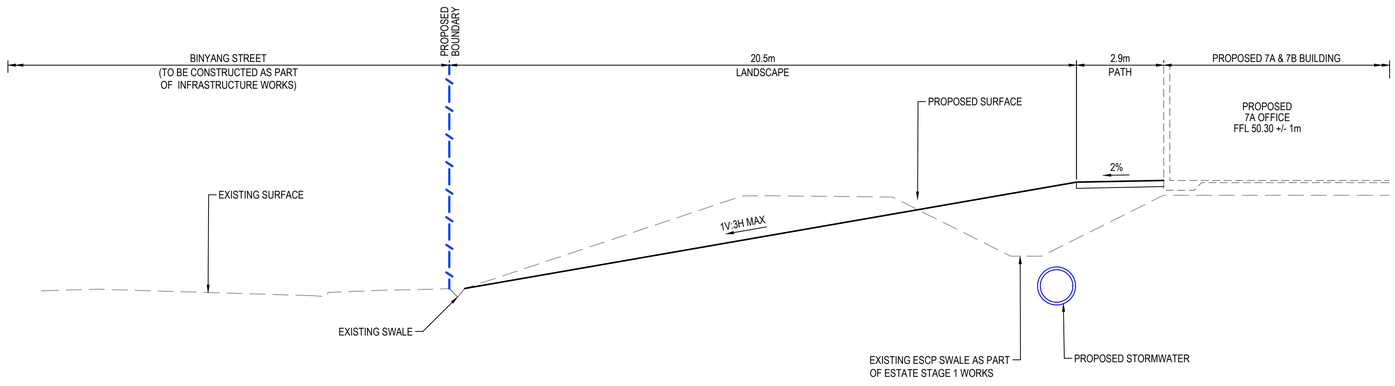
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NOT FOR CONSTRUCTION

A1

Project - Drawing No.: 16-369-C8102

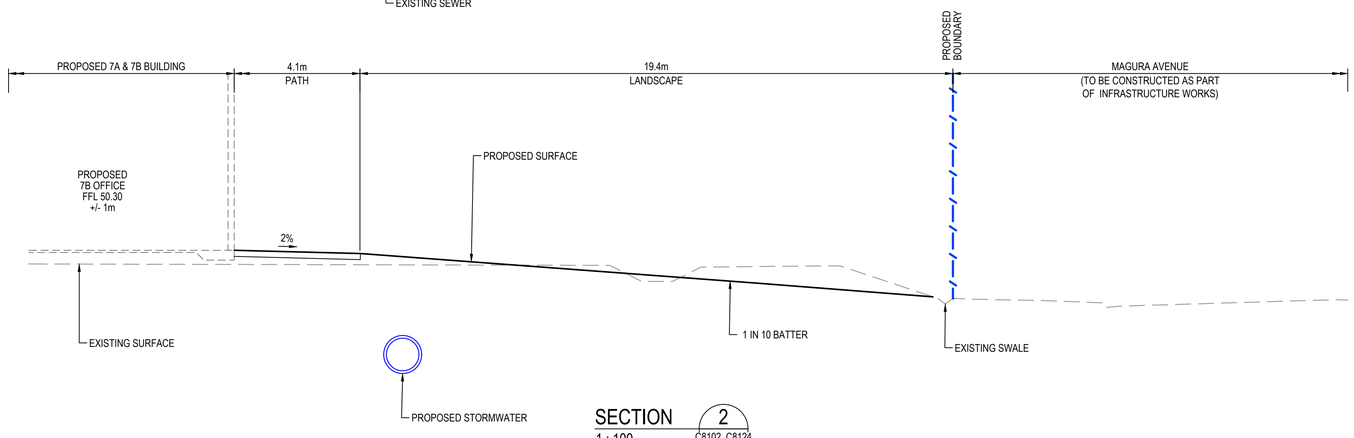
Issue: E

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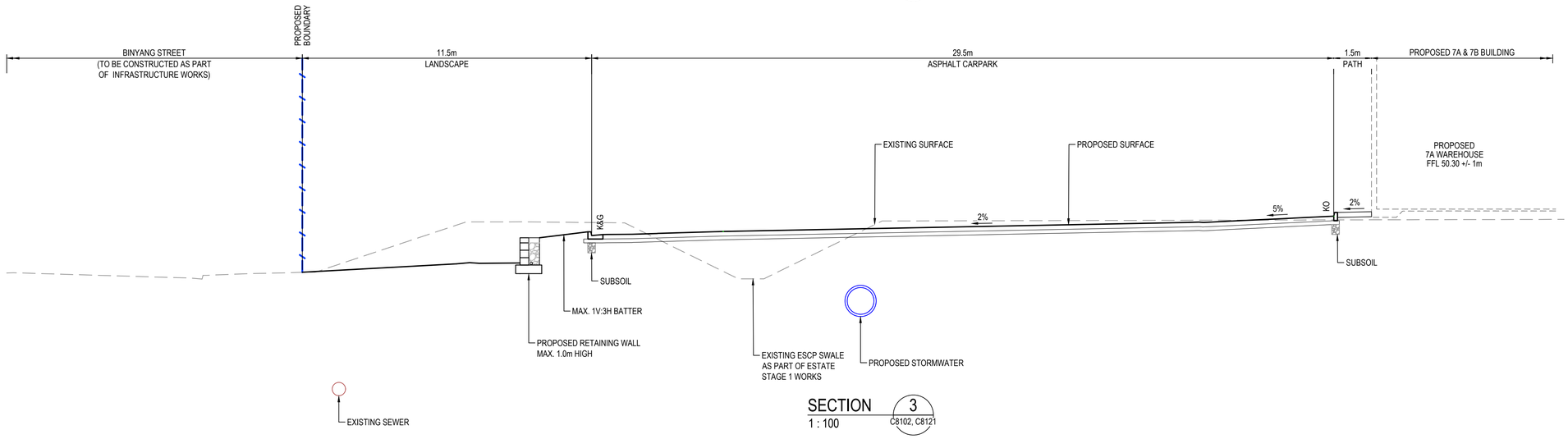


SECTION 1 (C8102, C8121)
1 : 100

EXISTING SEWER



SECTION 2 (C8102, C8124)
1 : 100



EXISTING SEWER

SECTION 3 (C8102, C8121)
1 : 100

Issue	Description	Date
E	ISSUED FOR APPROVAL	02-03-26
D	ISSUED FOR APPROVAL	26-02-26
C	ISSUED FOR APPROVAL	27-11-25
B	ISSUED FOR APPROVAL	12-11-25
A	ISSUED FOR APPROVAL	10-11-25

Bar Scales

0 2 4 6 8 10m

1 : 100 @ A1 1 : 200 @ A3

100mm on Original

Client

mirvac

Scales	1:100
Grid	MGA2020
Height Datum	AHD
Drawn	MH
Designed	MH
Checked	DS
Approved	DS

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GDA2020

Project
SEED
LOT 7
ONLOT WORKS PACKAGE

Title
TYPICAL SECTIONS
SHEET 1

Civil Engineers and Project Managers
at&l
Level 10, 124 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

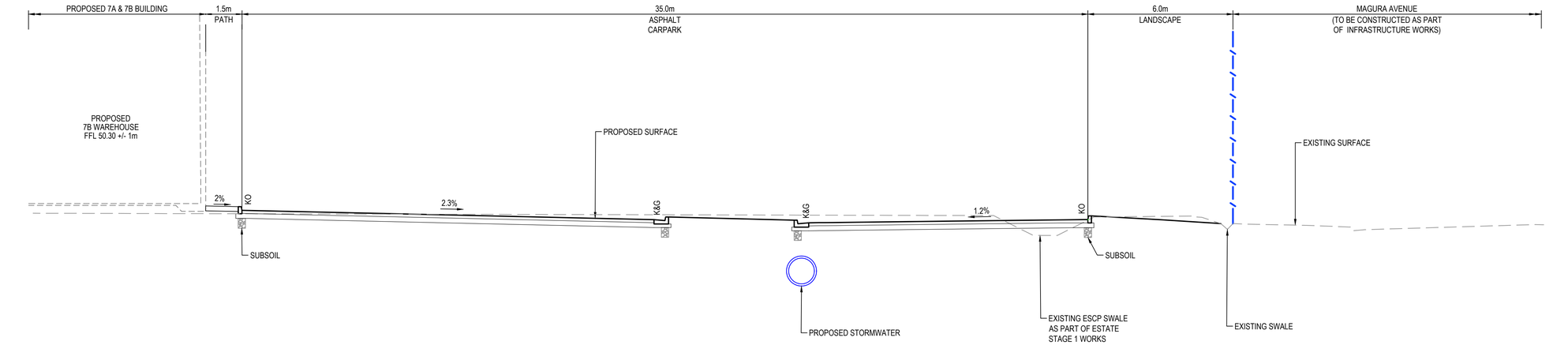
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NOT FOR CONSTRUCTION

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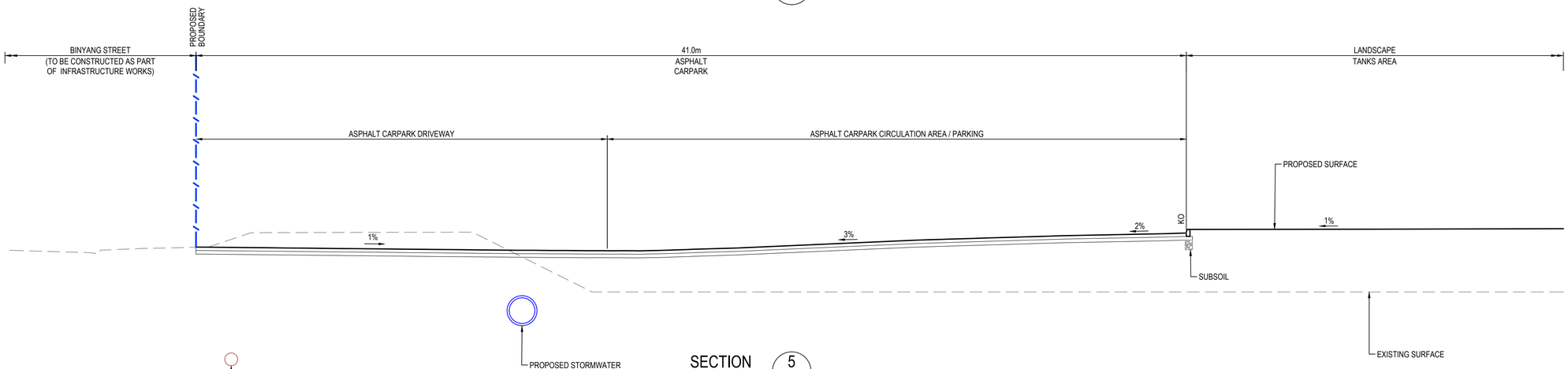
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16-369-C8103

Issue
E

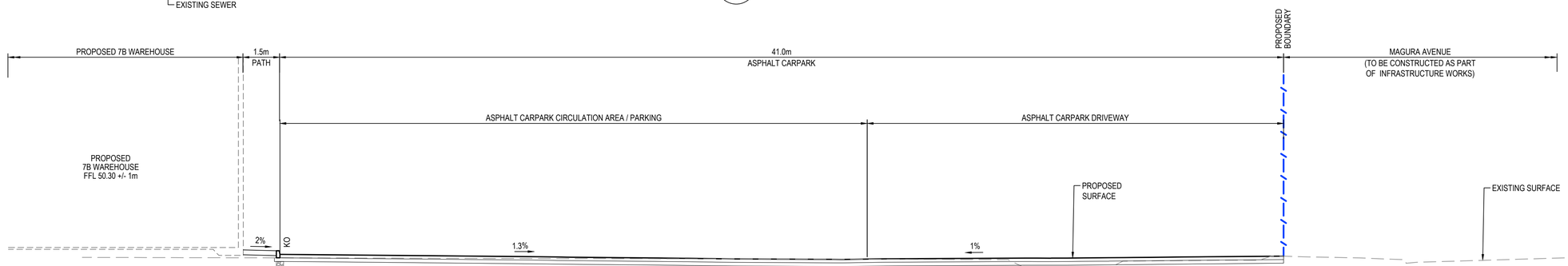
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SECTION 4
1 : 100
C8102, C8124



SECTION 5
1 : 100
C8102, C8121



SECTION 6
1 : 100
C8102, C8124

Issue	Description	Date
E	ISSUED FOR APPROVAL	02-03-26
D	ISSUED FOR APPROVAL	26-02-26
C	ISSUED FOR APPROVAL	27-11-25
B	ISSUED FOR APPROVAL	12-11-25
A	ISSUED FOR APPROVAL	10-11-25

100mm on Original

Bar Scales

0 2 4 6 8 10m

1 : 100 @ A1 1 : 200 @ A3

Client

mirvac

Scales	1:100
Grid	MGA2020
Height Datum	AHD
Drawn	MH
Designed	MH
Checked	DS
Approved	DS

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Project

SEED
LOT 7
ONLOT WORKS PACKAGE

Title

TYPICAL SECTIONS
SHEET 2

Civil Engineers and Project Managers

at&l

Level 10, 124 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

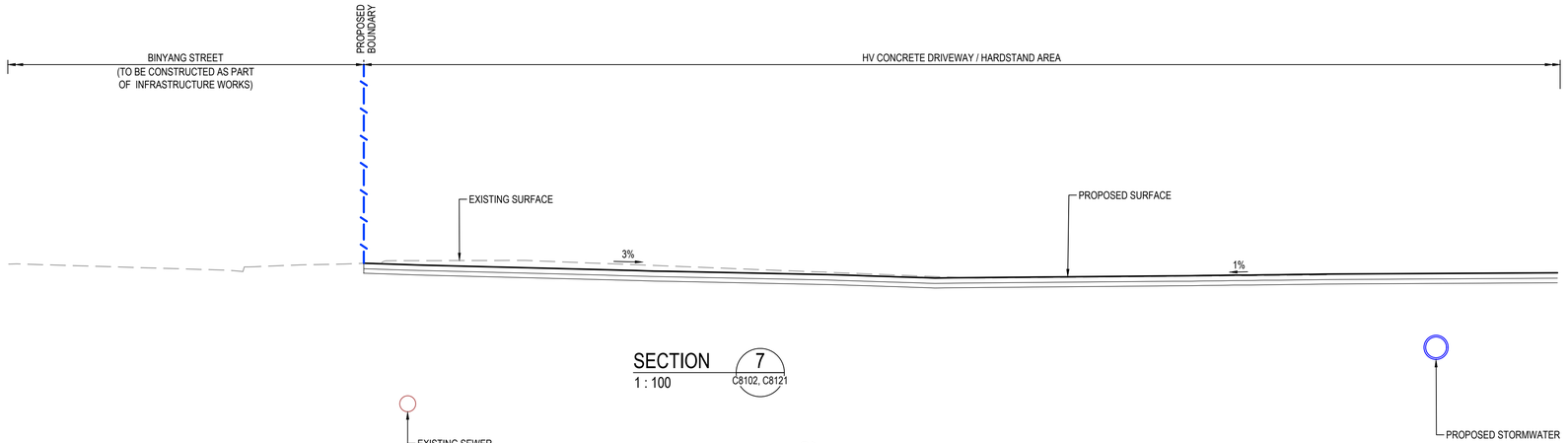
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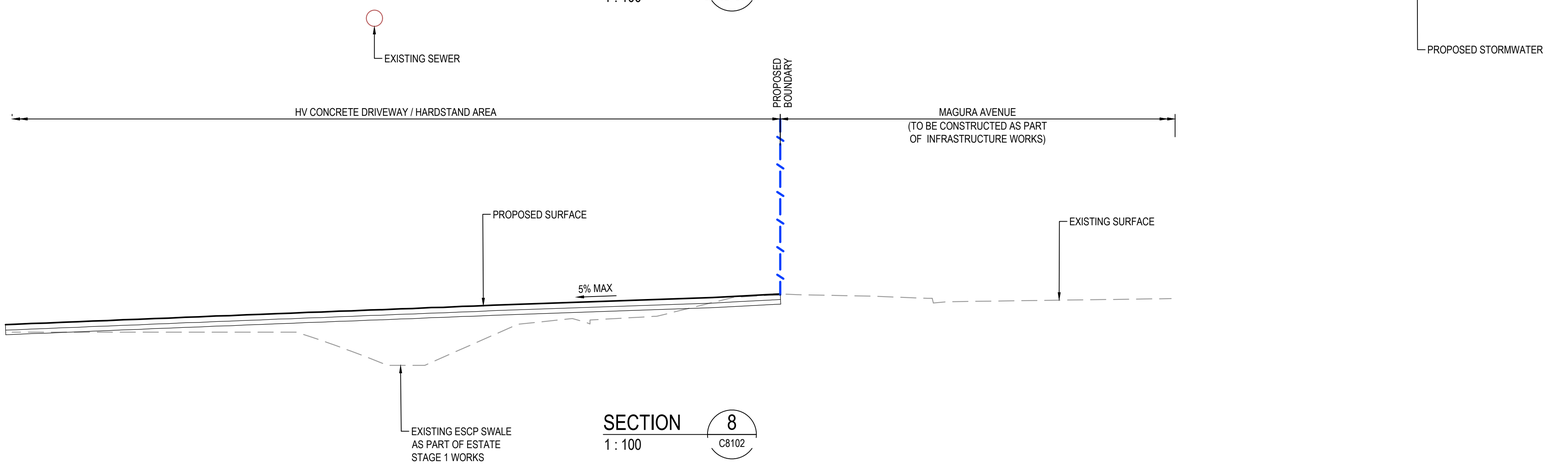
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16-369-C8104

Issue
E

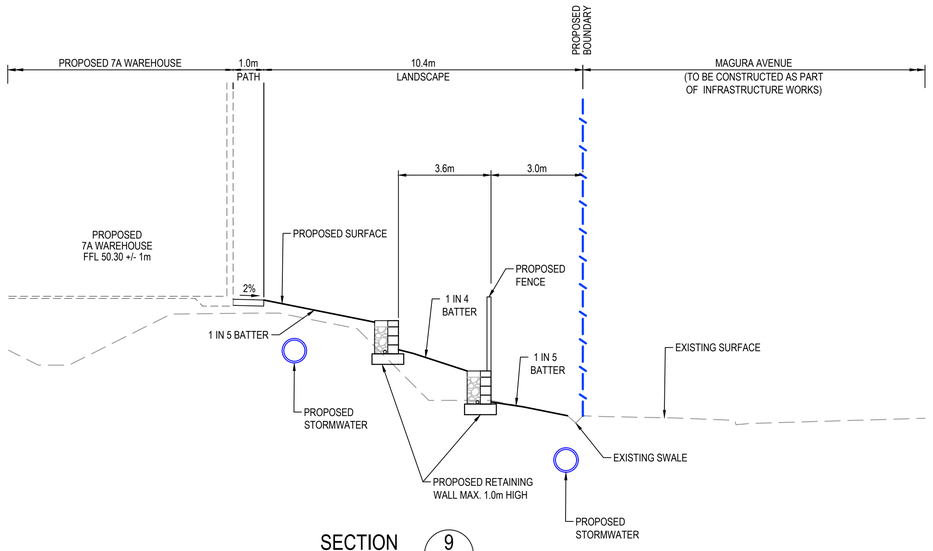
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SECTION 7
1 : 100
C8102, C8121



SECTION 8
1 : 100
C8102



SECTION 9
1 : 100
C8102, C8121

Issue	Description	Date
E	ISSUED FOR APPROVAL	02-03-26
D	ISSUED FOR APPROVAL	26-02-26
C	ISSUED FOR APPROVAL	27-11-25
B	ISSUED FOR APPROVAL	12-11-25
A	ISSUED FOR APPROVAL	10-11-25

Bar Scales

0 2 4 6 8 10m

1 : 100 @ A1 1 : 200 @ A3

100mm on Original

Client

mirvac

Scales	1:100
Grid	MGA2020
Height Datum	AHD
Drawn	MH
Designed	MH
Checked	DS
Approved	DS

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Project

SEED
LOT 7
ONLOT WORKS PACKAGE

Title

TYPICAL SECTIONS
SHEET 3

Civil Engineers and Project Managers

at&l

Level 10, 124 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

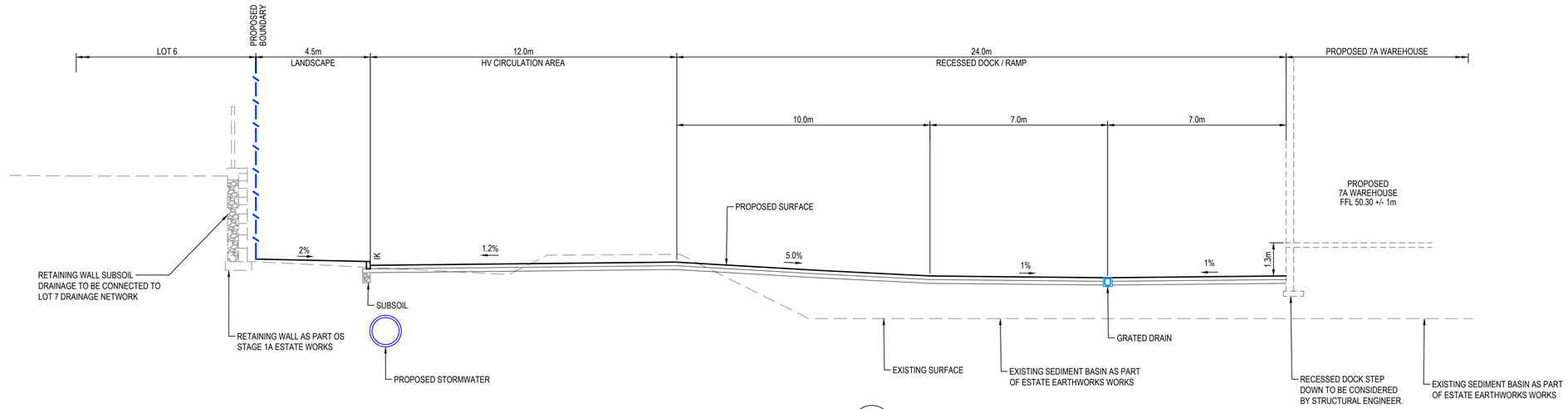
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NOT FOR CONSTRUCTION

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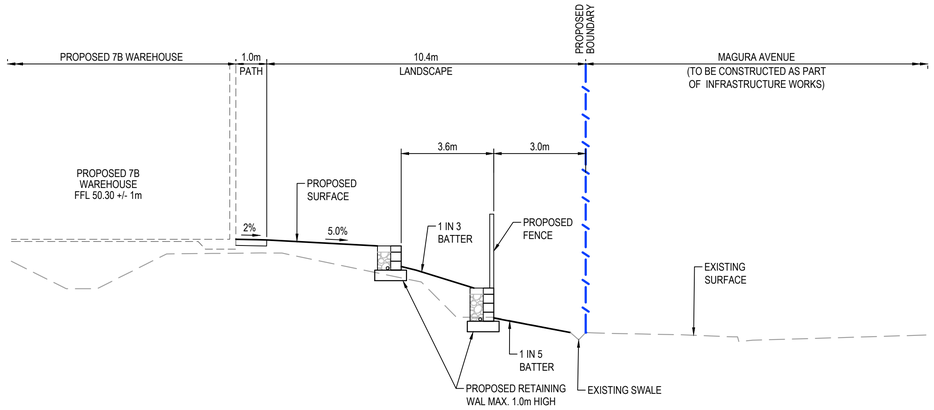
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Issue: E

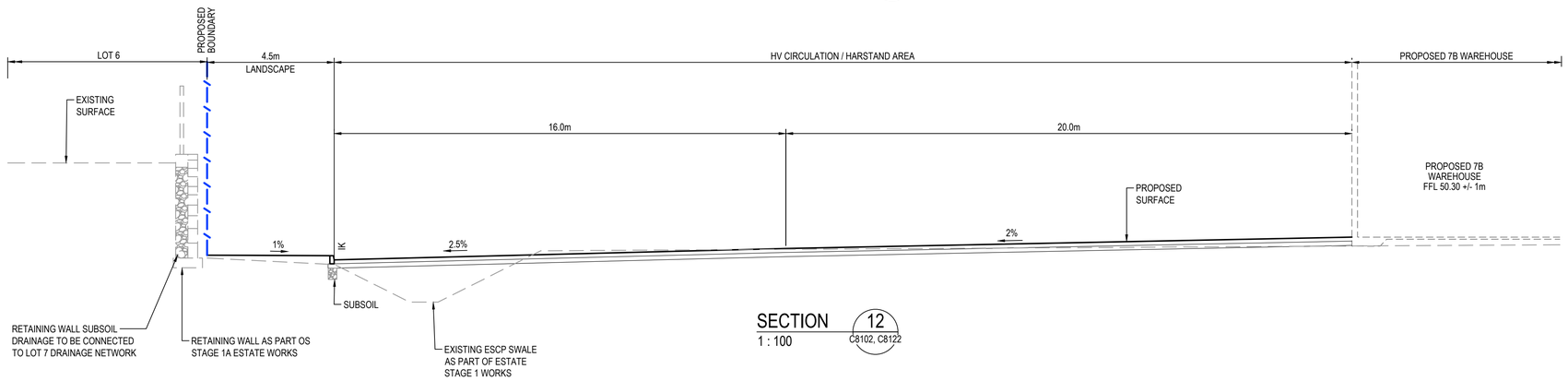
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SECTION 10
1 : 100
C8102, C8121



SECTION 11
1 : 100
C8102, C8122



SECTION 12
1 : 100
C8102, C8122

Issue	Description	Date
E	ISSUED FOR APPROVAL	02-03-26
D	ISSUED FOR APPROVAL	26-02-26
C	ISSUED FOR APPROVAL	27-11-25
B	ISSUED FOR APPROVAL	12-11-25
A	ISSUED FOR APPROVAL	10-11-25

Bar Scales

0 2 4 6 8 10m

1 : 100 @ A1 1 : 200 @ A3

100mm on Original

Client

mirvac

Scales 1:100

Grid MGA2020

Height Datum AHD

Drawn	MH
Designed	MH
Checked	DS
Approved	DS

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Project
SEED
LOT 7
ONLOT WORKS PACKAGE

Title
TYPICAL SECTIONS
SHEET 4

Civil Engineers and Project Managers
at&l
Level 10, 124 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

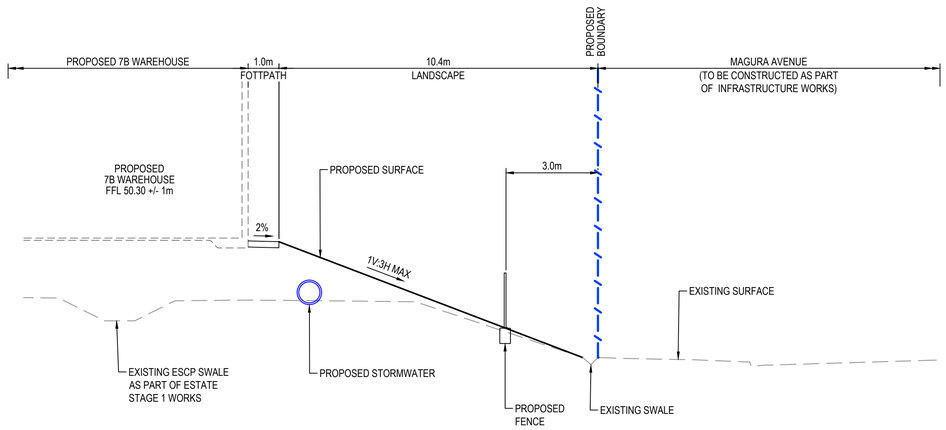
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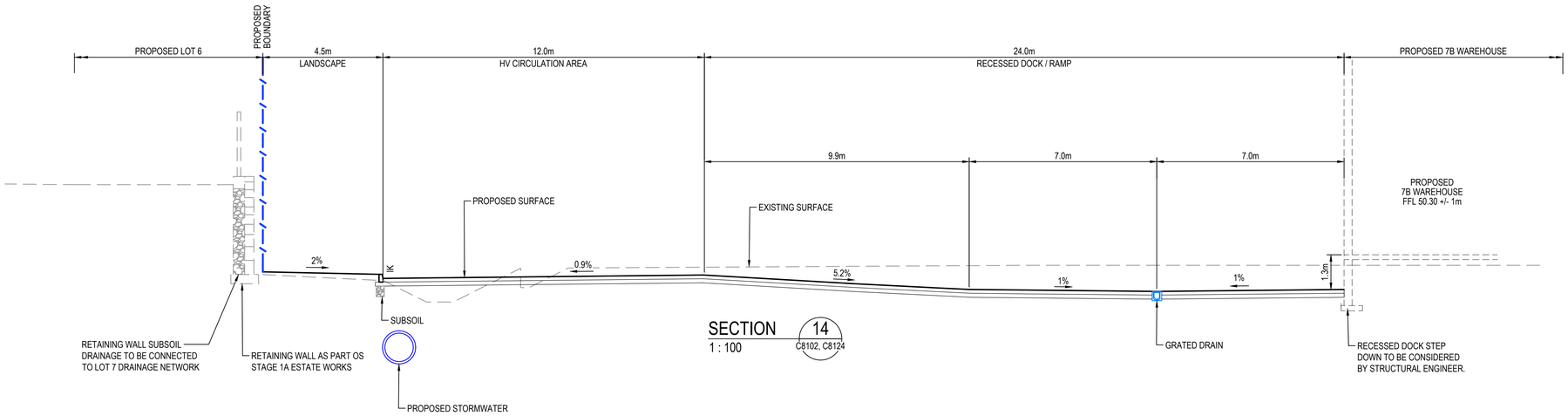
Project - Drawing No.
16-369-C8106

Issue
E

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SECTION 13
1 : 100 C8102, C8124



SECTION 14
1 : 100 C8102, C8124

Issue	Description	Date
E	ISSUED FOR APPROVAL	02-03-26
D	ISSUED FOR APPROVAL	26-02-26
C	ISSUED FOR APPROVAL	27-11-25
B	ISSUED FOR APPROVAL	12-11-25
A	ISSUED FOR APPROVAL	10-11-25

100mm on Original

Bar Scales

0 2 4 6 8 10m

1 : 100 @ A1 1 : 200 @ A3

Client

mirvac

Scales	1:100	Drawn	MH
		Designed	MH
Grid	MGA2020	Checked	DS
Height Datum	AHD	Approved	DS

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Project
SEED
LOT 7
ONLOT WORKS PACKAGE

Title
TYPICAL SECTIONS
SHEET 5

Civil Engineers and Project Managers
at&l
Level 10, 124 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

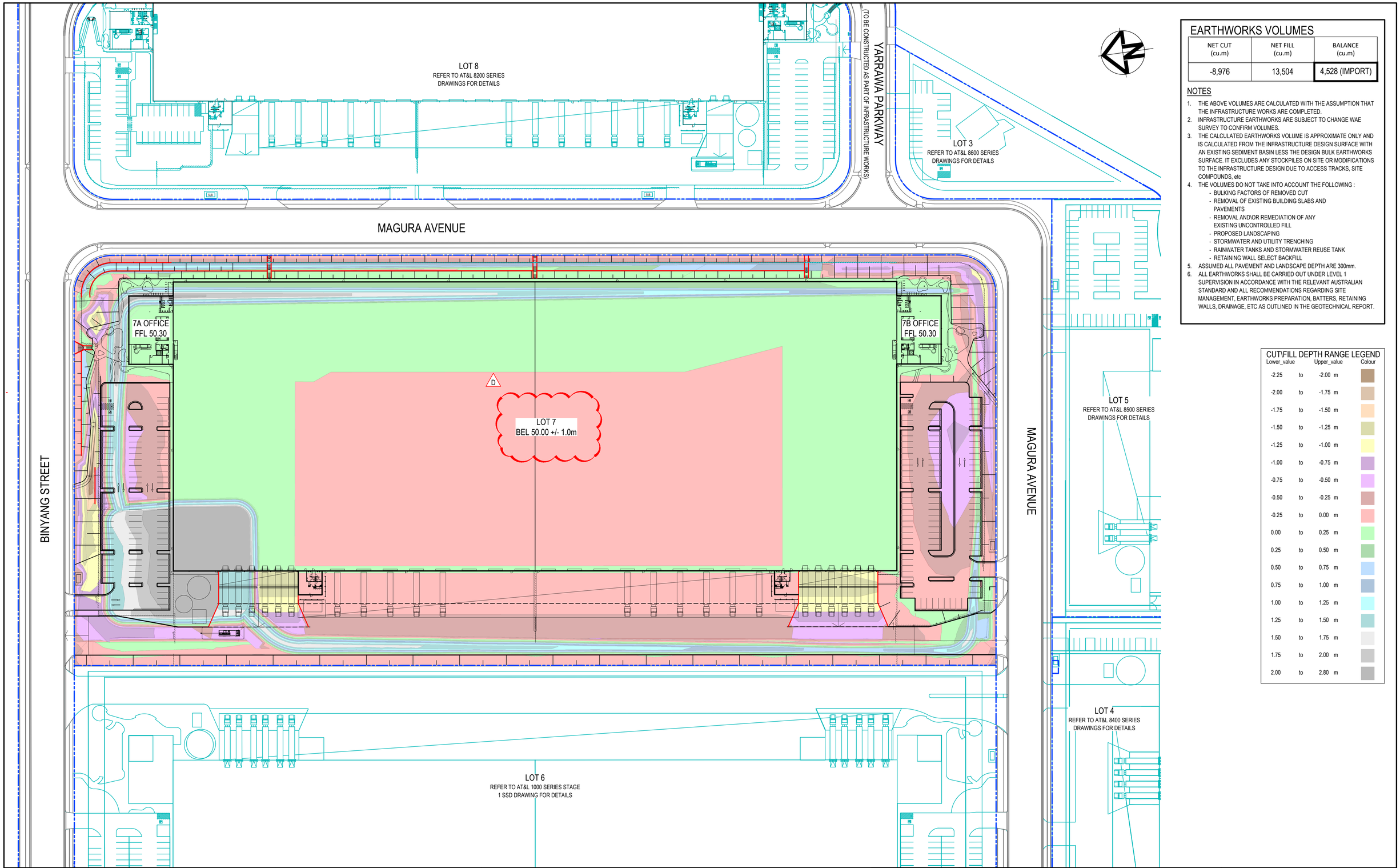
Status
ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION

A1

Project - Drawing No.
16-369-C8107

Issue
E

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EARTHWORKS VOLUMES

NET CUT (cu.m)	NET FILL (cu.m)	BALANCE (cu.m)
-8,976	13,504	4,528 (IMPORT)

NOTES

1. THE ABOVE VOLUMES ARE CALCULATED WITH THE ASSUMPTION THAT THE INFRASTRUCTURE WORKS ARE COMPLETED.
2. INFRASTRUCTURE EARTHWORKS ARE SUBJECT TO CHANGE WAE SURVEY TO CONFIRM VOLUMES.
3. THE CALCULATED EARTHWORKS VOLUME IS APPROXIMATE ONLY AND IS CALCULATED FROM THE INFRASTRUCTURE DESIGN SURFACE WITH AN EXISTING SEDIMENT BASIN LESS THE DESIGN BULK EARTHWORKS SURFACE. IT EXCLUDES ANY STOCKPILES ON SITE OR MODIFICATIONS TO THE INFRASTRUCTURE DESIGN DUE TO ACCESS TRACKS, SITE COMPOUNDS, etc
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
   - RAINWATER TANKS AND STORMWATER REUSE TANK
   - RETAINING WALL SELECT BACKFILL
5. ASSUMED ALL PAVEMENT AND LANDSCAPE DEPTH ARE 300mm.
6. ALL EARTHWORKS SHALL BE CARRIED OUT UNDER LEVEL 1 SUPERVISION IN ACCORDANCE WITH THE RELEVANT AUSTRALIAN STANDARD AND ALL RECOMMENDATIONS REGARDING SITE MANAGEMENT, EARTHWORKS PREPARATION, BATTERS, RETAINING WALLS, DRAINAGE, ETC AS OUTLINED IN THE GEOTECHNICAL REPORT.

CUT\FILL DEPTH RANGE LEGEND

Lower_value		Upper_value	Colour
-2.25	to	-2.00 m	
-2.00	to	-1.75 m	
-1.75	to	-1.50 m	
-1.50	to	-1.25 m	
-1.25	to	-1.00 m	
-1.00	to	-0.75 m	
-0.75	to	-0.50 m	
-0.50	to	-0.25 m	
-0.25	to	0.00 m	
0.00	to	0.25 m	
0.25	to	0.50 m	
0.50	to	0.75 m	
0.75	to	1.00 m	
1.00	to	1.25 m	
1.25	to	1.50 m	
1.50	to	1.75 m	
1.75	to	2.00 m	
2.00	to	2.80 m	

Issue	Description	Date
F	ISSUED FOR APPROVAL	02-03-26
E	ISSUED FOR APPROVAL	26-02-26
D	ISSUED FOR APPROVAL	30-01-25
C	ISSUED FOR APPROVAL	27-11-25
B	ISSUED FOR APPROVAL	12-11-25
A	ISSUED FOR APPROVAL	10-11-25

Bar Scales

0 15 30 45 60m

1 : 750 @ A1 1 : 1250 @ A3

100mm on Original

Client

mirvac

Scales 1:750

Grid MGA2020

Height Datum AHD

Drawn MH

Designed MH

Checked DS

Approved DS

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Project

SEED
LOT 7
ONLOT WORKS PACKAGE

Title

BULK EARTHWORKS
CUT/FILL PLAN

Civil Engineers and Project Managers

at&l

Level 10, 124 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

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Project - Drawing No. 16-369-C8110

Issue F

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BINYANG STREET
(TO BE CONSTRUCTED AS PART OF INFRASTRUCTURE WORKS)

INDUSTRIAL CROSS OVER TO BE CONSTRUCTED TO PCC STANDARDS AND GUIDELINES. REFER TO DRAWING SD1004 FOR DETAILS

PROPOSED SUBSTATION LOCATION TO BE CONFIRMED BY ELECTRICAL ENGINEER

EMERGENCY OVERLAND FLOW ESCAPE POINT

MAXIMUM 1m HIGH RETAINING WALL EXCAT WALL HEIGHT AND TYPE TO BE CONFIRMED DURING DETAILED DESIGN

MAXIMUM 1V:3H BATTER

REMOVE END CAP AND CONNECT INTO EXISTING Ø1050 STORMWATER STUB

PROPOSED GROSS POLLUTANT TRAP TO BE OCEAN PROTECT OCEANSAVE OS2324 OR SIMILAR APPROVED.

KERB BREAKOUT

MAXIMUM 2m HIGH RETAINING WALL EXCAT WALL HEIGHT AND TYPE TO BE CONFIRMED DURING DETAILED DESIGN

MAXIMUM 1V:10H BATTER

PROPOSED OFFICE
FFL 50.30

PROPOSED BUILDING ROOFWATER DRAINAGE TO BE DESIGNED BY HYDRAULIC ENGINEER

RETAINING WALL SUBSOIL DRAINAGE TO BE CONNECTED TO LOT 7 DRAINAGE NETWORK

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

LOT 6 RETAINING WALL AS PART OF STAGE 1A WORKS APPROX. HEIGHT = 3.3m

LOT 7
PROPOSED WAREHOUSE
FFL 50.30 +/- 1.0m

MAGURA AVENUE

LEGEND:

- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- PROPOSED RETAINING WALL
- 48.20 PROPOSED CONTOUR
- PROPOSED BATTER
  TEMPORARY BATTER 1(V):3(H)
  PERMANENT BATTER 1(V):4(H)
  U.N.O
- KO PROPOSED KERB ONLY
- K&G PROPOSED KERB AND GUTTER
- IK INTEGRAL KERB ONLY
- F48.93 FINISHED SURFACE LEVEL
- PROPOSED SAFETY BARRIER
- PROPOSED CATCH DRAIN
- GD STORMWATER GRATED DRAIN WITH CLASS "D" COVER
- PROPOSED STORMWATER JUNCTION PIT - INLET PIT - KERB INLET PIT
- PROPOSED STORMWATER PIPE
- EXISTING STORMWATER PIPE
- DP SW STORMWATER DOWNPPIPE & uPVC DRAINAGE LINE
- EXISTING SUBSOIL DRAINAGE
- STORMWATER OVERLAND FLOWPATH
- S EXISTING SEWER MAIN
- W EXISTING WATER MAIN
- NBN EXISTING NBN
- LV/HV EXISTING ELECTRICAL
- G EXISTING GAS MAIN

NOTES:
1. ALL LEVELS SHOWN ARE ± 1000mm
2. ROOF WATER DOWN PIPE LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN
3. RETAINING WALL LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN.
4. VEHICLE TURNING PATHS TO BE CONFIRMED DURING DETAILED DESIGN.

Issue	Description	Date
F	ISSUED FOR APPROVAL	02-03-26
E	ISSUED FOR APPROVAL	26-02-26
D	ISSUED FOR APPROVAL	30-01-25
C	ISSUED FOR APPROVAL	27-11-25
B	ISSUED FOR APPROVAL	12-11-25
A	ISSUED FOR APPROVAL	10-11-25

Bar Scales
0 5 10 15 20 25m
1 : 250 @ A1 1 : 500 @ A3

Client: mirvac

Scales	1:250
Grid	MGA2020
Height Datum	AHD
Drawn	MH
Designed	MH
Checked	DS
Approved	DS

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Project
SEED
LOT 7
ONLOT WORKS PACKAGE

Title
SITEWORKS
PLAN
SHEET 1

Civil Engineers and Project Managers
at&l
Level 10, 124 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: ISSUED FOR APPROVAL
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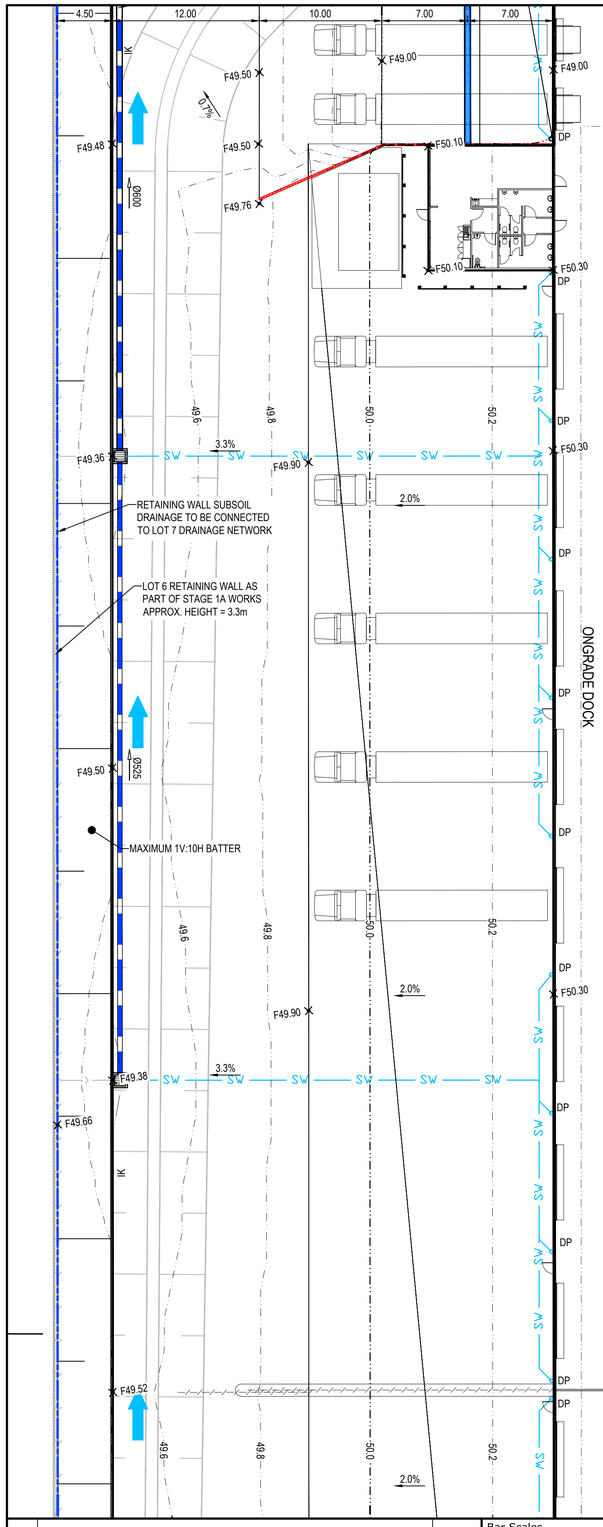
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Project - Drawing No. 16-369-C8121

Issue F

100mm on Original

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LEGEND:

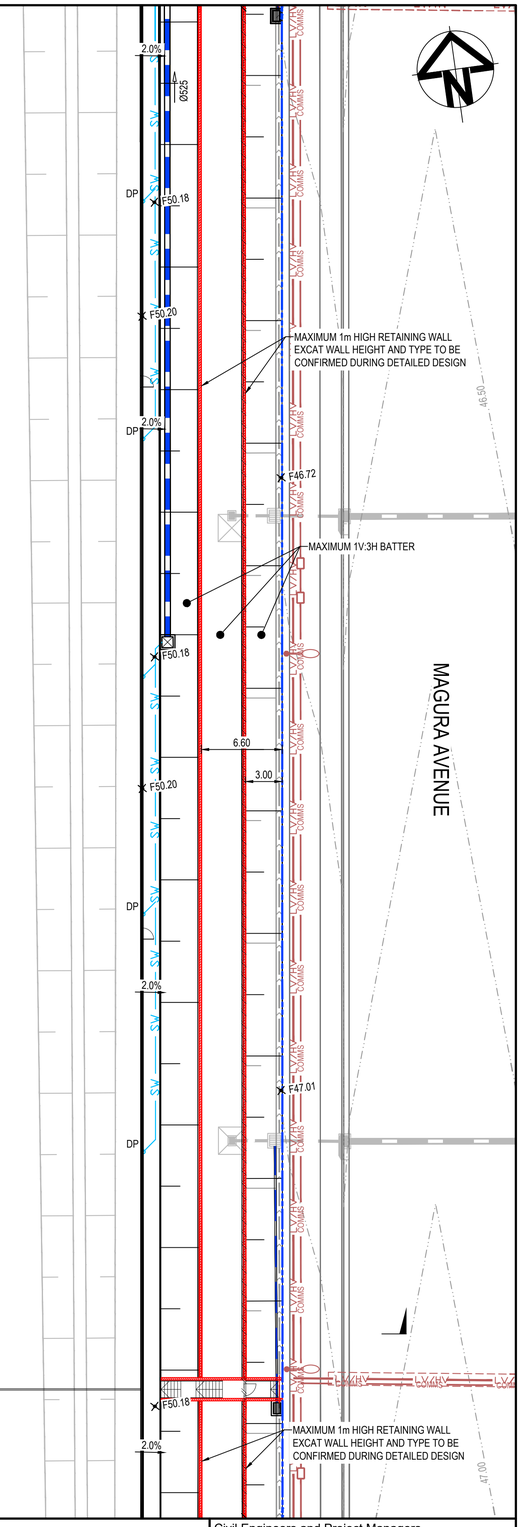
- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- PROPOSED RETAINING WALL
- 48.20 — PROPOSED CONTOUR
- PROPOSED BATTER
  TEMPORARY BATTER 1(V):3(H)
  PERMANENT BATTER 1(V):4(H)
  U.N.O
- KO — PROPOSED KERB ONLY
- K&G — PROPOSED KERB AND GUTTER
- IK — INTEGRAL KERB ONLY
- F48.93 — FINISHED SURFACE LEVEL
- PROPOSED SAFETY BARRIER
- PROPOSED CATCH DRAIN
- GD — STORMWATER GRATED DRAIN WITH CLASS "D" COVER
- PROPOSED STORMWATER JUNCTION PIT - INLET PIT - KERB INLET PIT
- PROPOSED STORMWATER PIPE
- EXISTING STORMWATER PIPE
- DP — SW — STORMWATER DOWNPPIPE & uPVC DRAINAGE LINE
- EXISTING SUBSOIL DRAINAGE
- STORMWATER OVERLAND FLOWPATH
- S — EXISTING SEWER MAIN
- W — EXISTING WATER MAIN
- NBN — EXISTING NBN
- LV/HV — EXISTING ELECTRICAL
- G — EXISTING GAS MAIN

NOTES:

1. ALL LEVELS SHOWN ARE ± 1000mm
2. ROOF WATER DOWN PIPE LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN.
3. RETAINING WALL LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN.
4. VEHICLE TURNING PATHS TO BE CONFIRMED DURING DETAILED DESIGN.

LOT 7
PROPOSED WAREHOUSE
FFL 50.30 +/- 1.0m

11
C8106



Issue	Description	Date
E	ISSUED FOR APPROVAL	02-03-26
D	ISSUED FOR APPROVAL	26-02-26
C	ISSUED FOR APPROVAL	27-11-25
B	ISSUED FOR APPROVAL	12-11-25
A	ISSUED FOR APPROVAL	10-11-25

100mm on Original

Bar Scales

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Client

mirvac

Scales 1:250

Grid MGA2020

Height Datum AHD

Drawn	MH
Designed	MH
Checked	DS
Approved	DS

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Project
SEED
LOT 7
ONLOT WORKS PACKAGE

Title
SITEWORKS
PLAN
SHEET 2

Civil Engineers and Project Managers
at&l
Level 10, 124 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

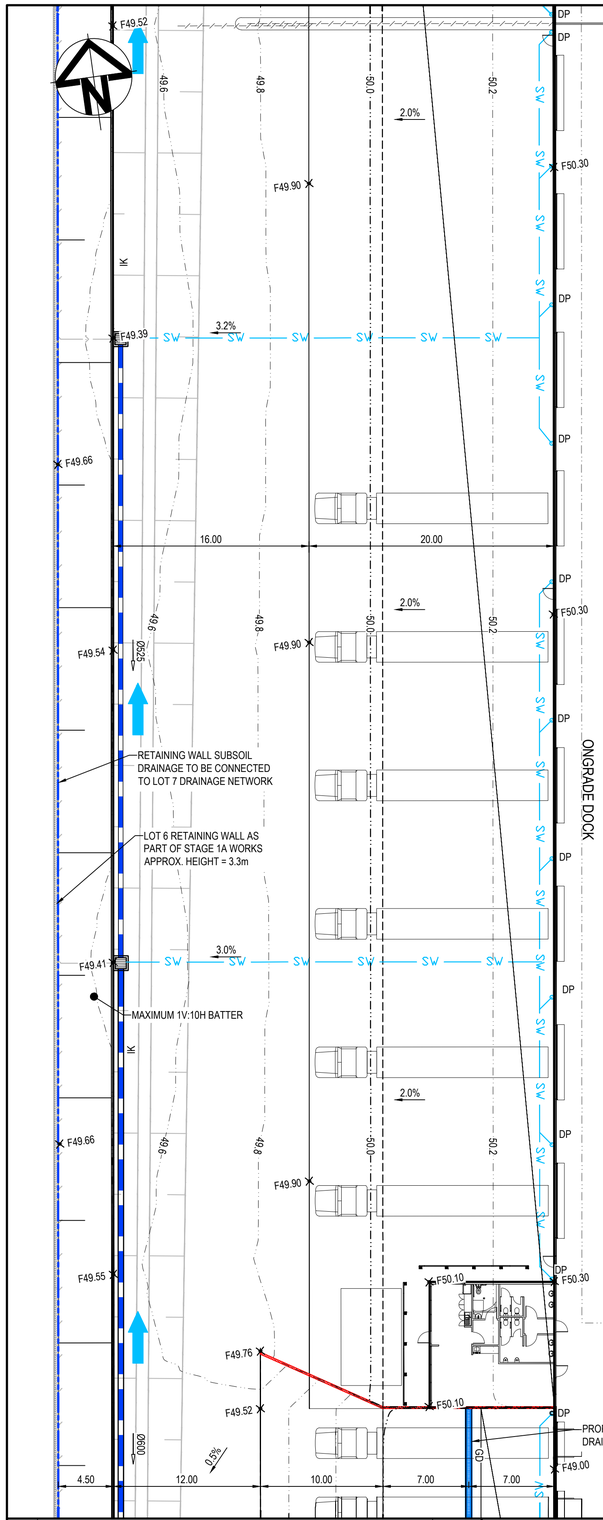
Status
ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION

A1

Project - Drawing No.
16-369-C8122

Issue
E

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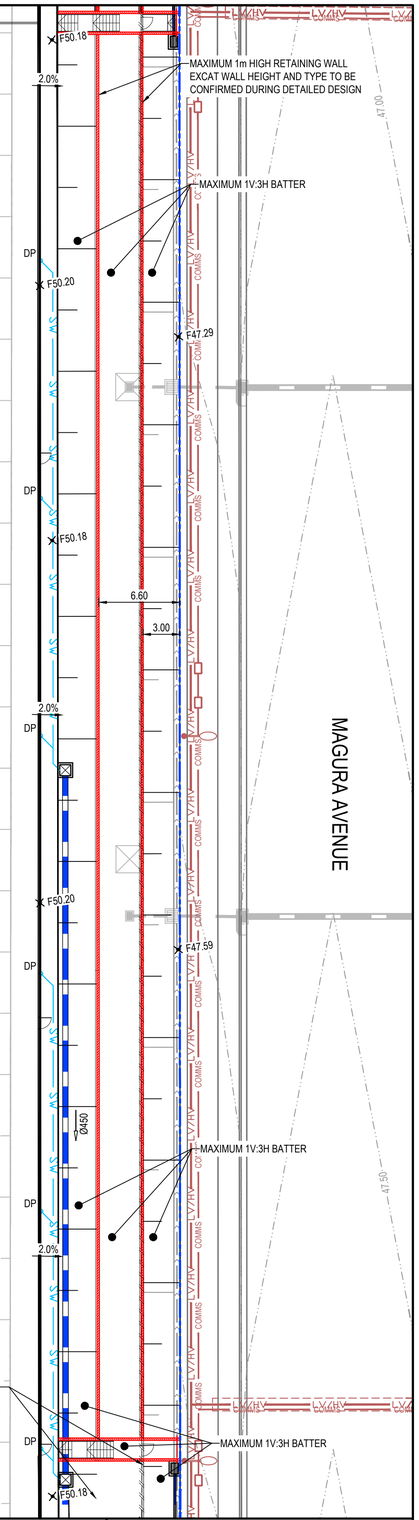
LEGEND:

- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- PROPOSED RETAINING WALL
- 48.20 — PROPOSED CONTOUR
- PROPOSED BATTER
  TEMPORARY BATTER 1(V):3(H)
  PERMANENT BATTER 1(V):4(H)
  U.N.O
- KO — PROPOSED KERB ONLY
- K&G — PROPOSED KERB AND GUTTER
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- PROPOSED SAFETY BARRIER
- PROPOSED CATCH DRAIN
- GD — STORMWATER GRATED DRAIN WITH CLASS "D" COVER
- PROPOSED STORMWATER JUNCTION PIT - INLET PIT - KERB INLET PIT
- PROPOSED STORMWATER PIPE
- EXISTING STORMWATER PIPE
- DP — SW — STORMWATER DOWNPPIPE & uPVC DRAINAGE LINE
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- STORMWATER OVERLAND FLOWPATH
- S — EXISTING SEWER MAIN
- W — EXISTING WATER MAIN
- NBN — EXISTING NBN
- LV/HV — EXISTING ELECTRICAL
- G — EXISTING GAS MAIN

NOTES:

1. ALL LEVELS SHOWN ARE ± 1000mm
2. ROOF WATER DOWN PIPE LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN.
3. RETAINING WALL LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN.
4. VEHICLE TURNING PATHS TO BE CONFIRMED DURING DETAILED DESIGN.

LOT 7
PROPOSED WAREHOUSE
FFL 50.30 +/- 1.0m



Issue	Description	Date
E	ISSUED FOR APPROVAL	02-03-26
D	ISSUED FOR APPROVAL	26-02-26
C	ISSUED FOR APPROVAL	27-11-25
B	ISSUED FOR APPROVAL	12-11-25
A	ISSUED FOR APPROVAL	10-11-25

Bar Scales

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

100mm on Original

Client: mirvac

Scales: 1:250
Grid: MGA2020
Height Datum: AHD

Drawn	MH
Designed	MH
Checked	DS
Approved	DS

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GDA2020

Project: SEED
LOT 7
ONLOT WORKS PACKAGE

Title: SITEWORKS
PLAN
SHEET 3

Civil Engineers and Project Managers
at&l
Level 10, 124 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: ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION

A1

Project - Drawing No.: 16-369-C8123

Issue: E

F:\16-369 Kemps Creek\Drgs\Civil\Final\8000_Onlot Works Packages\8100_LOT 7\16-369-C8123.dwg

LEGEND:

- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- PROPOSED RETAINING WALL
- 48.20 PROPOSED CONTOUR
- PROPOSED BATTER
  TEMPORARY BATTER 1(V):3(H)
  PERMANENT BATTER 1(V):4(H)
  U.N.O
- KO PROPOSED KERB ONLY
- K&G PROPOSED KERB AND GUTTER
- IK INTEGRAL KERB ONLY
- F48.93 FINISHED SURFACE LEVEL
- PROPOSED SAFETY BARRIER
- PROPOSED CATCH DRAIN
- GD STORMWATER GRATED DRAIN WITH CLASS "D" COVER
- PROPOSED STORMWATER JUNCTION PIT - INLET PIT - KERB INLET PIT
- PROPOSED STORMWATER PIPE
- EXISTING STORMWATER PIPE
- DP SW STORMWATER DOWNPPIPE & uPVC DRAINAGE LINE
- EXISTING SUBSOIL DRAINAGE
- STORMWATER OVERLAND FLOWPATH
- S EXISTING SEWER MAIN
- W EXISTING WATER MAIN
- NBN EXISTING NBN
- LV/HV EXISTING ELECTRICAL
- G EXISTING GAS MAIN

NOTES:

1. ALL LEVELS SHOWN ARE ± 1000mm
2. ROOF WATER DOWN PIPE LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN.
3. RETAINING WALL LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN.
4. VEHICLE TURNING PATHS TO BE CONFIRMED DURING DETAILED DESIGN.

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

MAXIMUM 1m HIGH RETAINING WALL EXCAT WALL HEIGHT AND TYPE TO BE CONFIRMED DURING DETAILED DESIGN

MAXIMUM 1V:3H BATTER

MAXIMUM 1V:3H BATTER

PROPOSED OFFICE
FFL 50.30

RETAINING WALL SUBSOIL DRAINAGE TO BE CONNECTED TO LOT 7 DRAINAGE NETWORK

MAXIMUM 1V:10H BATTER

LOT 6 RETAINING WALL AS PART OF STAGE 1A WORKS APPROX. HEIGHT = 3.3m

MAXIMUM 1V:10H BATTER

PROPOSED GROSS POLLUTANT TRAP TO BE OCEAN PROTECT OCEANSAVE OS2324 OR SIMILAR APPROVED.

REMOVE END CAP AND CONNECT INTO EXISTING Ø1500 STORMWATER STUB

PROPOSED SUBSTATION LOCATION TO BE CONFIRMED BY ELECTRICAL ENGINEER

INDUSTRIAL CROSS OVER TO BE CONSTRUCTED TO PCC STANDARDS AND GUIDELINES. REFER TO DRAWING SD1004 FOR DETAILS

MAXIMUM 1V:10H BATTER

EMERGENCY OVERLAND FLOW ESCAPE POINT

PROPOSED CATCH DRAIN

EXISTING CATCH DRAIN TO BE REMOVED

KERB BREAKOUT

MAGURA AVENUE

MAGURA AVENUE

Issue	Description	Date
E	ISSUED FOR APPROVAL	02-03-26
D	ISSUED FOR APPROVAL	26-02-26
C	ISSUED FOR APPROVAL	27-11-25
B	ISSUED FOR APPROVAL	12-11-25
A	ISSUED FOR APPROVAL	10-11-25

100mm on Original

Bar Scales

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Client

mirvac

Scales	1:250
Grid	MGA2020
Height Datum	AHD
Drawn	MH
Designed	MH
Checked	DS
Approved	DS

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GDA2020

Project
SEED
LOT 7
ONLOT WORKS PACKAGE

Title
SITEWORKS
PLAN
SHEET 4

Civil Engineers and Project Managers
at&l
Level 10, 124 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

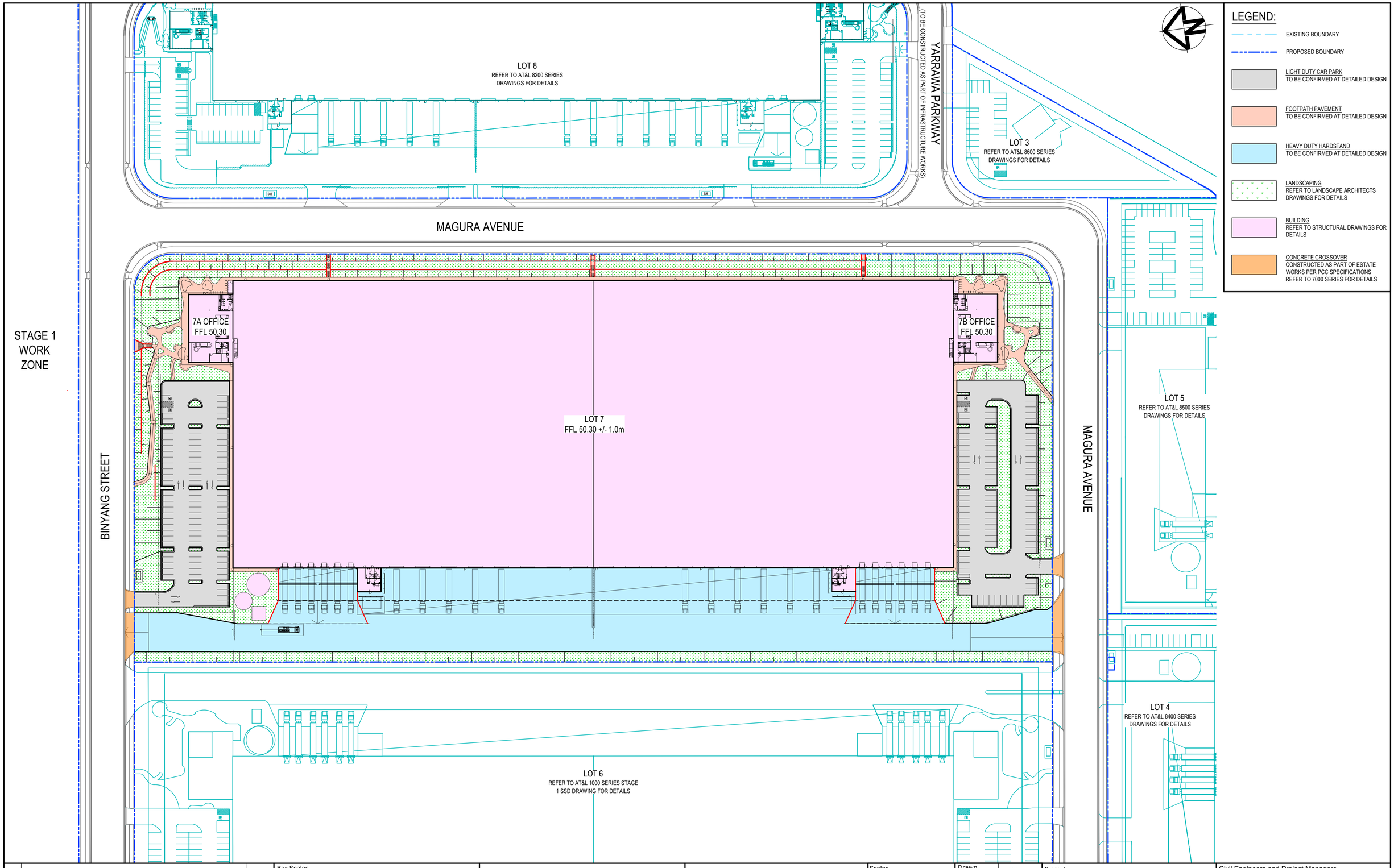
Status
ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION

A1

Project - Drawing No.
16-369-C8124

Issue
E

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Issue	Description	Date
E	ISSUED FOR APPROVAL	02-03-26
D	ISSUED FOR APPROVAL	26-02-26
C	ISSUED FOR APPROVAL	27-11-25
B	ISSUED FOR APPROVAL	12-11-25
A	ISSUED FOR APPROVAL	10-11-25

100mm on Original

Bar Scales

0 15 30 45 60m

1 : 750 @ A1 1 : 1250 @ A3

Client

mirvac

Scales	1:750
Grid	MGA2020
Height Datum	AHD
Drawn	MH
Designed	MH
Checked	DS
Approved	DS

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Project

SEED
LOT 7
ONLOT WORKS PACKAGE

Title

PAVEMENT
PLAN

Civil Engineers and Project Managers

at&l

Level 10, 124 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

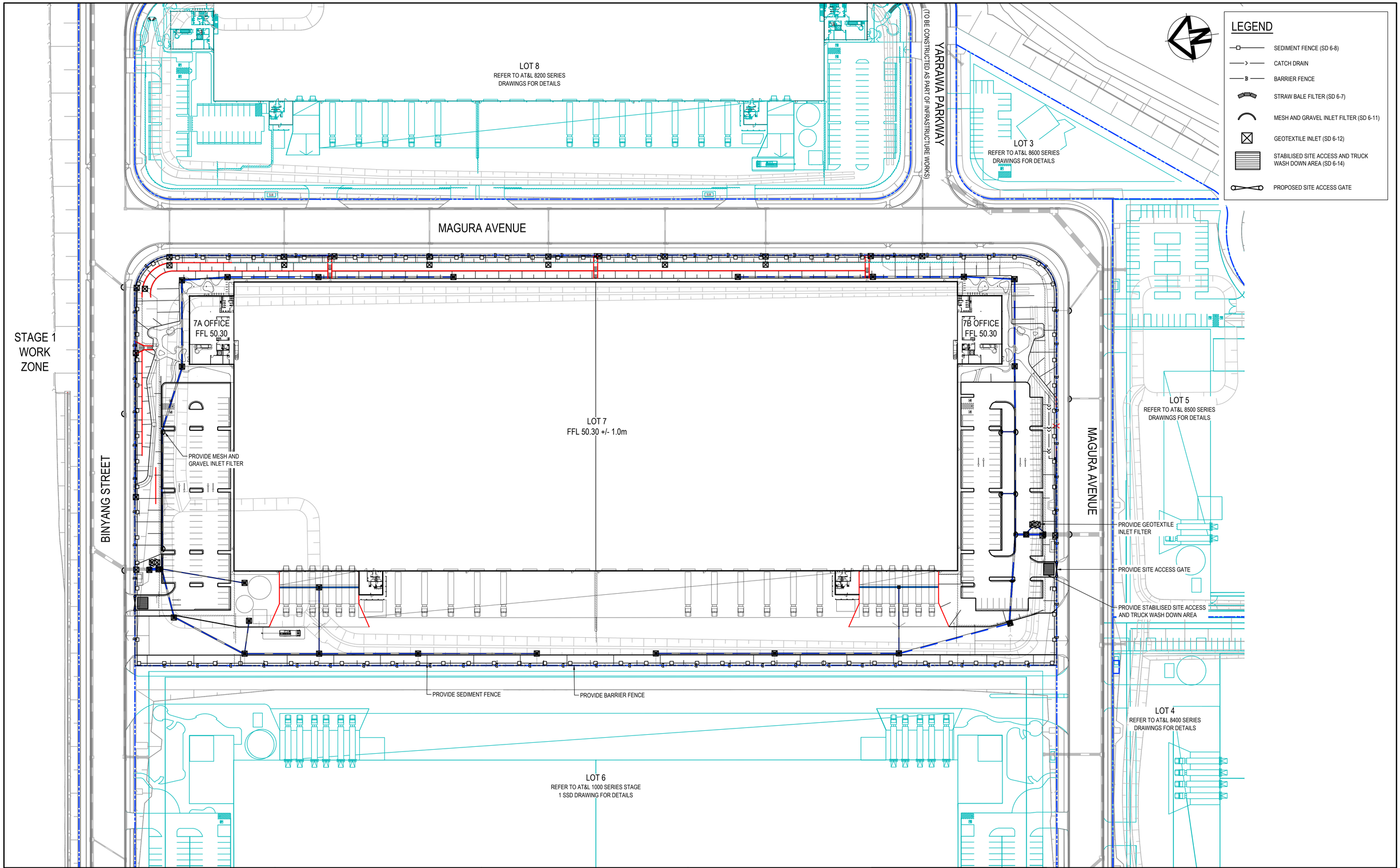
Status: ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION

A1

Project - Drawing No.: 16-369-C8131

Issue: E

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Issue	Description	Date
E	ISSUED FOR APPROVAL	02-03-26
D	ISSUED FOR APPROVAL	26-02-26
C	ISSUED FOR APPROVAL	27-11-25
B	ISSUED FOR APPROVAL	12-11-25
A	ISSUED FOR APPROVAL	10-11-25

Bar Scales

0 15 30 45 60m

1 : 750 @ A1 1 : 1250 @ A3

100mm on Original

Client

mirvac

Scales	1:750
Grid	MGA2020
Height Datum	AHD
Drawn	MH
Designed	MH
Checked	DS
Approved	DS

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Project

SEED
LOT 7
ONLOT WORKS PACKAGE

Title

EROSION AND SEDIMENT
CONTROL PLAN

Civil Engineers and Project Managers

at&l

Level 10, 124 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

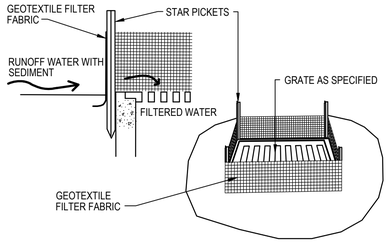
Status: ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION

A1

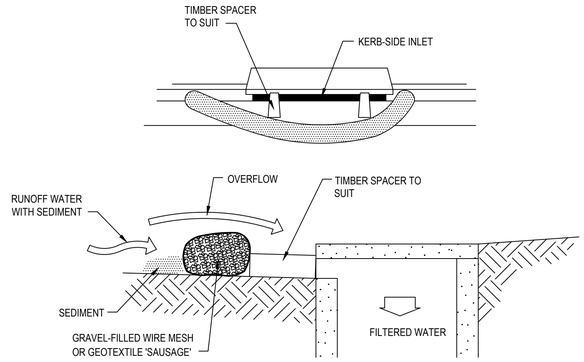
Project - Drawing No.: 16-369-C8141

Issue: E

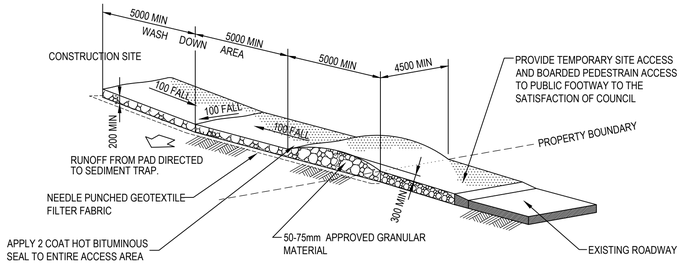
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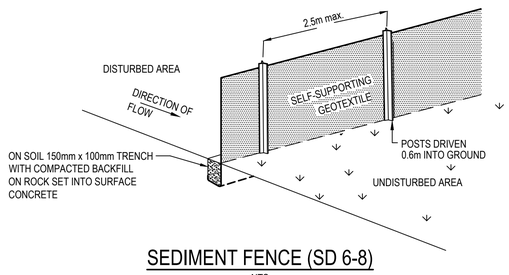
GEOTEXTILE INLET FILTER
NTS



MESH AND GRAVEL INLET FILTER
NTS



STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA (SD 6-14)
NTS



SEDIMENT FENCE (SD 6-8)
NTS

Issue	Description	Date
E	ISSUED FOR APPROVAL	02-03-26
D	ISSUED FOR APPROVAL	26-02-26
C	ISSUED FOR APPROVAL	27-11-25
B	ISSUED FOR APPROVAL	12-11-25
A	ISSUED FOR APPROVAL	10-11-25

Bar Scales

100mm on Original

Client: mirvac

Scales: AS SHOWN
Grid: MGA2020
Height Datum: AHD

Drawn	MH
Designed	MH
Checked	DS
Approved	DS

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GDA2020

Project: SEED
LOT 7
ONLOT WORKS PACKAGE

Title: EROSION AND SEDIMENT CONTROL DETAILS

Civil Engineers and Project Managers
at&l
Level 10, 124 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

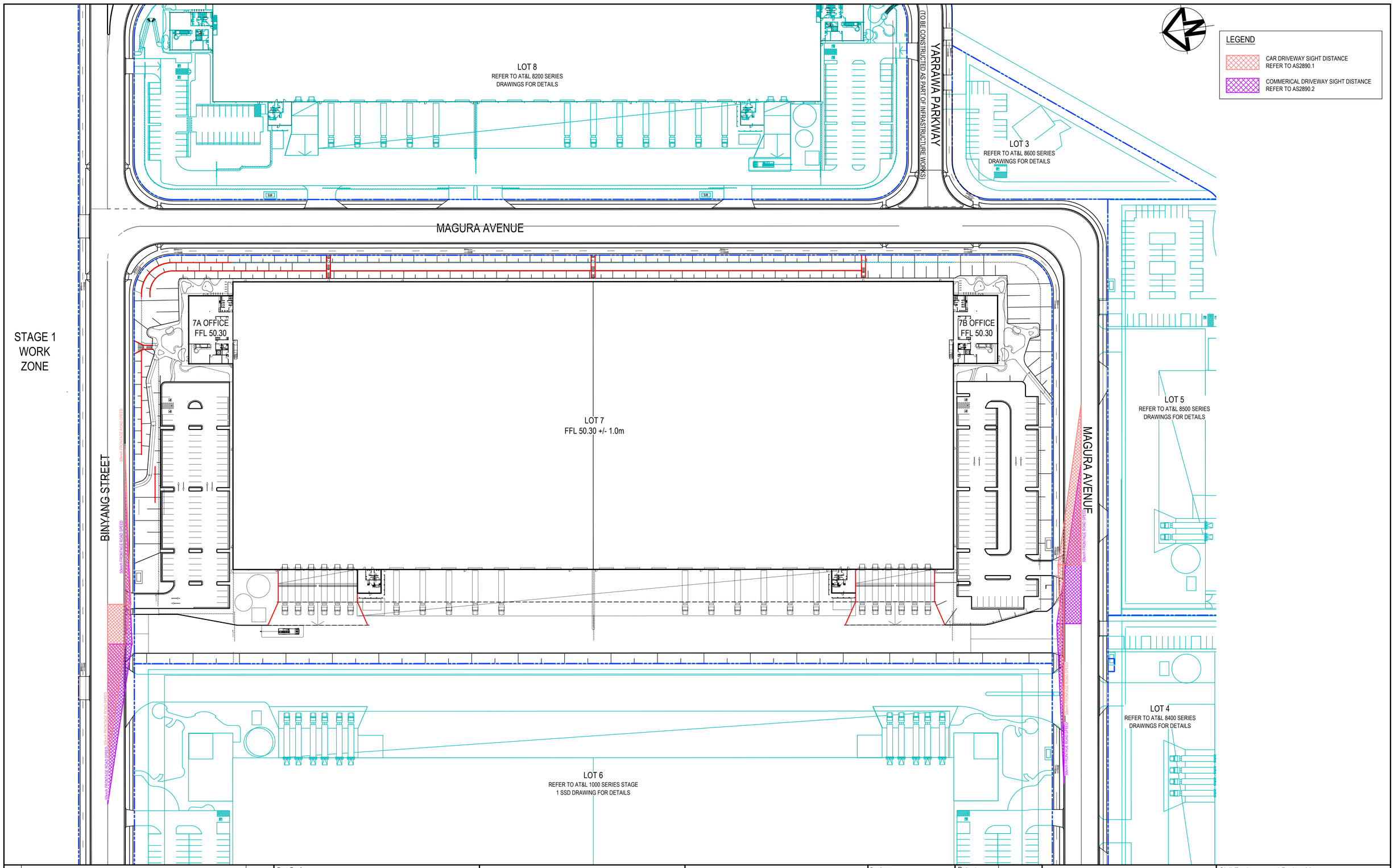
Status: ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION

A1

Project - Drawing No.: 16-369-C8142

Issue: E

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Issue	Description	Date
A	ISSUED FOR APPROVAL	02-03-26

100mm on Original

Bar Scales

0 15 30 45 60m

1 : 750 @ A1 1 : 1250 @ A3

Client

mirvac

Scales	1:750	Drawn	MH
		Designed	MH
Grid	MGA2020	Checked	DS
Height Datum	AHD	Approved	DS

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GDA2020

Project

SEED
LOT 7
ONLOT WORKS PACKAGE

Title

SIGHT DISTANCE
PLAN

Civil Engineers and Project Managers

at&l

Level 10, 124 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: ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION

A1

Project - Drawing No.: 16-369-C8150

Issue: A

F:\16-369 Kemps Creek\Drgs\Civil\Final\8000_Onlot Works Packages\8100_LOT 7\16-369-C8150.dwg

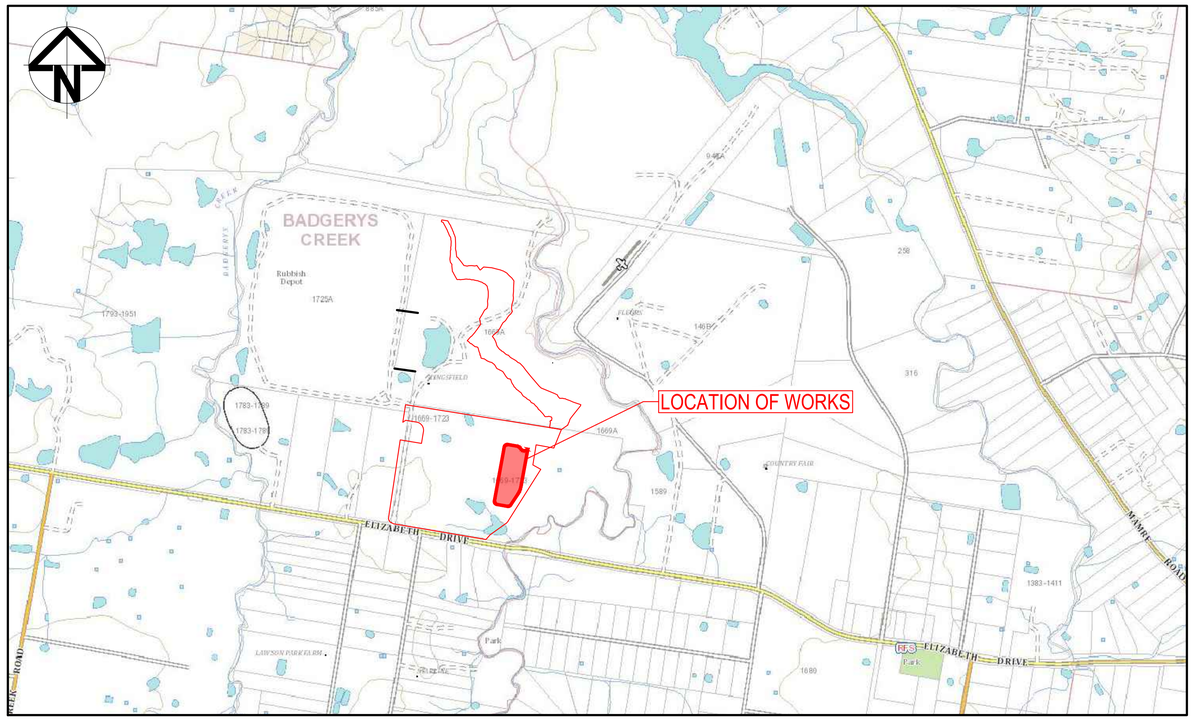
SEED

8200 SERIES - LOT 8

ONLOT CIVIL WORKS PACKAGE

STAGE 1B STATE SIGNIFICANT DEVELOPMENT

DRAWING LIST	
16-369-C8200	COVER PAGE & DRAWING LIST
16-369-C8201	GENERAL NOTES
16-369-C8202	GENERAL ARANGEMENT PLAN
16-369-C8203	TYPICAL SITE SECTIONS SHEET 1
16-369-C8204	TYPICAL SITE SECTIONS SHEET 2
16-369-C8205	TYPICAL SITE SECTIONS SHEET 3
BULK EARTHWORKS	
16-369-C8210	BULK EARTHWORKS PLAN
SITE WORKS	
16-369-C8221	SITE WORKS PLAN SHEET 1
16-369-C8222	SITE WORKS PLAN SHEET 2
16-369-C8223	SITE WORKS PLAN SHEET 3
16-369-C8224	SITE WORKS PLAN SHEET 4
16-369-C8225	SITE WORKS PLAN SHEET 5
16-369-C8226	SITE WORKS PLAN SHEET 6
PAVEMENT PLAN	
16-369-C8231	PAVEMENT PLAN
EROSION AND SEDIMENT CONTROL	
16-369-C8241	EROSION AND SEDIMENT CONTROL PLAN
16-369-C8242	EROSION AND SEDIMENT DETAILS



LOCALITY PLAN

NOT TO SCALE

Issue	Description	Date
C	ISSUED FOR SSDA	27-02-26
B	ISSUED FOR SSDA	28-01-26
A	ISSUED FOR SSDA	30-10-25

Bar Scales

100mm on Original

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Client: mirvac

Scales: N.T.S.

Grid: MGA2020

Height Datum: AHD

GDA2020

Drawn	BW
Designed	JC
Checked	DS
Approved	

Project: SEED
STAGE 1B SSD
8200 SERIES
LOT 8 ONLOT WORKS PACKAGE

Title: COVER PAGE
& DRAWING LIST

Civil Engineers and Project Managers
at&l
Level 10, 124 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

Status: FOR APPROVAL
NOT FOR CONSTRUCTION

A1

Project - Drawing No.: 16-369-C8200

Issue: C

F:\16-369 Kemps Creek\Drgs\Civil\Final\8000_Onlot Works Packages\8200_LOT 8\16-369-C8200.dwg

SITEWORKS NOTES

1. ORIGIN OF LEVELS:- REFER SURVEY NOTES.
2. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCIES TO BE REPORTED TO AT & L.
3. MAKE SMOOTH CONNECTION WITH EXISTING WORKS.
4. ALL TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO THE SAME DENSITY AS THE ADJACENT MATERIAL.
5. ALL SERVICE TRENCHES UNDER VEHICULAR PAVEMENTS SHALL BE BACKFILLED WITH SAND TO 300mm ABOVE PIPE. WHERE PIPE IS UNDER PAVEMENTS BACKFILL, REMAINDER OF TRENCH TO UNDERSIDE OF PAVEMENT WITH SAND OR APPROVED GRANULAR MATERIAL COMAPACTED IN 150mm LAYERS TO MINIMUM 98% MODIFIED MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. (OR A DENSITY INDEX OF NOT LESS THAN 75)
6. PROVIDE 10mm WIDE EXPANSION JOINTS BETWEEN BUILDINGS AND ALL CONCRETE OR UNIT PAVEMENTS.
7. ASPHALTIC CONCRETE SHALL CONFORM TO R.M.S SPECIFICATION R116.
8. ALL BASECOURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH R.M.S FORM 3051 (UNBOUND), R.M.S FORM 3052 (BOUND) COMPACTED TO MINIMUM 98% MODIFIED DENSITY IN ACCORDANCE WITH AS 1289 5.2.1 FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m OF BASECOURSE MATERIAL PLACED.
9. ALL SUB-BASE COURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH R.M.S FORM 3051, 3051.1 AND COMPACTED TO MINIMUM 95% MODIFIED DENSITY IN ACCORDANCE WITH A.S 1289 5.2.1 FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m^3 OF SUB-BASE COURSE MATERIAL PLACED.
10. AS AN ALTERNATIVE TO THE USE OF IGNEOUS ROCK AS A SUB-BASE MATERIAL IN (9) A CERTIFIED RECYCLED CONCRETE MATERIAL COMPLYING WITH R.M.S FORM 3051 AND 3051.1 WILL BE CONSIDERED. SUBJECT TO MATERIAL SAMPLES AND APPROPRIATE CERTIFICATIONS BEING PROVIDED TO THE SATISFACTION OF AT & L.
11. SHOULD THE CONTRACTOR WISH TO USE A RECYCLED PRODUCT THE CONTRACTOR IS TO SEEK ACCEPTANCE OF THE PRODUCT FROM AT&L. THE PRICE DIFFERENCE BETWEEN AN IGNEOUS PRODUCT AND A RECYCLED PRODUCT SHALL BE CLEARLY INDICATED.
12. WHERE NOTED ON THE DRAWINGS THAT WORKS ARE TO BE CARRIED BY OTHERS, (eg. ADJUSTMENT OF SERVICES), THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CO-ORDINATION OF THESE WORKS.
13. ALL WORKS CARRIED OUT ADJACENT TO AND WITHIN TRANSGRID'S EASEMENT TO COMPLY WITH TRANSGRID'S GUIDELINES AND REQUIREMENTS.
14. ALL WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH PENRITH CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION FOR CIVIL WORKS.

SURVEY NOTES

THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN INVESTIGATED BY LTS LOCKLEY (43798DT_MGA2020), 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.
PRIOR TO THE COMMENCEMENT OF THE WORKS, THE CONTRACTOR SHALL UNDERTAKE A DETAILED BOUNDARY SURVEY AND COMPARE AGAINST THE DESIGN FOR DISCREPANCIES.

SHOULD DISCREPANCIES BE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA, DESIGN DATA AND ACTUAL FIELD DATA, CONTACT AT & L IMMEDIATELY.

THE FOLLOWING NOTES HAVE BEEN TAKEN DIRECTLY FROM THE ORIGINAL SURVEY DOCUMENTS.

THE TITLE BOUNDARIES SHOWN HEREON WERE NOT MARKED AT THE TIME OF SURVEY AND HAVE BEEN DETERMINED BY PLAN DIMENSIONS ONLY AND NOT BY FIELD SURVEY.

SERVICES SHOWN HEREON HAVE BEEN LOCATED WHERE POSSIBLE BY FIELD SURVEY. IF NOT ABLE TO BE SO LOCATED, SERVICES HAVE BEEN PLOTTED FROM THE RECORDS OF RELEVANT AUTHORITIES WHERE AVAILABLE AND HAVE BEEN NOTED ACCORDINGLY ON THE PLAN. WHERE SUCH RECORDS DO NOT EXIST OR ARE INADEQUATE A NOTATION HAS BEEN MADE HEREON.

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.

DEWATERING

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

EXISTING UNDERGROUND SERVICES

1. 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.
2. 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.
3. CONTRACTORS SHALL TAKE DUE CARE WHEN EXCAVATING ONSITE INCLUDING HAND EXCAVATION WHERE NECESSARY.
4. CONTRACTORS ARE TO CONTACT THE RELEVANT SERVICE AUTHORITY PRIOR TO COMMENCEMENT OF EXCAVATION WORKS.
5. 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.
6. PRIOR TO COMMENCEMENT OF 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.

CONCRETE NOTES

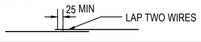
1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 CURRENT EDITION WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
2. CONCRETE QUALITY
   ALL REQUIREMENTS OF THE CURRENT ACSE CONCRETE SPECIFICATION DOCUMENT 1 SHALL APPLY TO THE FORMWORK, REINFORCEMENT AND CONCRETE UNLESS NOTED OTHERWISE.

ELEMENT	AS 3600 F'c MPa AT 28 DAYS	SPECIFIED SLUMP	NOMINAL AGG. SIZE
VEHICULAR BASE	32	60	20
KERBS, PATHS, AND PITS	25	80	20

   - CEMENT TYPE SHALL BE (ACSE SPECIFICATION) TYPE SL
   - PROJECT CONTROL TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH AS 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
   17 N 20 250
   NOMINAL BAR SIZE IN mm — SPACING IN mm

   THE FIGURE FOLLOWING THE FABRIC SYMBOL SL IS THE REFERANCE NUMBER FOR FABRIC TO AS 1304.
8. FABRIC SHALL BE LAPPED IN ACCORDANCE WITH THE FOLLOWING DETAIL:



KERBING NOTES

1. ALL CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 25 MPa U.N.O IN REINFORCED CONCRETE NOTES.
2. ALL KERBS, GUTTERS, DISH DRAINS AND CROSSINGS TO BE CONSTRUCTED ON MIN. 100mm GRANULAR BASECOURSE COMPACTED TO MINIMUM 95% MODIFIED DRY DENSITY (AS 1289 5.2.1).
3. EXPANSION JOINTS (E.J) TO BE FORMED FROM 10mm COMPRESSIBLE CORK FILLER BOARD FOR THE FULL DEPTH OF THE SECTION AND CUT TO PROFILE. EXPANSION JOINTS TO BE LOCATED AT DRAINAGE PITS, ON TANGENT POINTS OF CURVES AND ELSEWHERE AT MAX 12m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE EXPANSION JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLABS.
4. WEAKENED PLANE JOINTS TO BE MIN 3mm WIDE AND LOCATED AT 3m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE WEAKENED PLANE JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLABS.
5. BROOM 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 :-
   IF REQUIRED 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.

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 '3' APPROVED SPIGOT AND SOCKET WITH RUBBER RING JOINTS. U.N.O. ALL ROAD CROSSINGS TO BE CLASS '4' U.N.O..
3. PIPES UP TO 300 DIA SHALL BE SEWER GRADE uPVC WITH SOLVENT WELDED JOINTS.
4. EQUIVALENT STRENGTH VCP OR FRC PIPES MAY BE USED, SUBJECT TO THE APPROVAL 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 HS2 SUPPORT IN ACCORDANCE WITH AS 3725 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. ENLARGERS, CONNECTIONS AND JUNCTIONS TO BE PREFABRICATED FITTINGS WHERE PIPES ARE LESS THAN 300 DIA.
9. WHERE SUBSOIL DRAINS PASS UNDER FLOOR SLABS AND VEHICULAR PAVEMENTS, UNSLOTTED uPVC SEWER GRADE PIPE IS TO BE USED.
10. CARE IS TO BE TAKEN WITH LEVELS OF STORMWATER LINES. GRADES SHOWN ARE NOT TO BE REDUCED WITHOUT APPROVAL.
11. GRATES AND COVERS SHALL CONFORM TO AS 3996 AND PENRITH CITY COUNCIL CONSTRUCTION SPECIFICATIONS.
12. AT ALL TIMES DURING CONSTRUCTION OF STORMWATER PITS, ADEQUATE SAFETY PROCEDURES SHALL BE TAKEN TO ENSURE AGAINST THE POSSIBILITY OF PERSONNEL FALLING DOWN PITS.
13. 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.
14. ALL STORMWATER PITS ARE TO BE CAST IN-SITU IN ACCORDANCE WITH THE STORMWATER DETAILS AND SPECIFICATIONS, UNLESS APPROVED BY THE SUPERINTENDENT / PENRITH CITY COUNCIL. IF APPROVED AND IN ADDITION TO THE SPECIFICATION.

A. ALL PRE-CAST PITS ARE TO BE STRUCTURALLY CERTIFIED TO MEET RELEVANT AUSTRALIAN STANDARDS (AS3600, AS3996).
B. ALL PRECAST PITS TO BE FOUNDED ON CONCRETE BLINDING LAYER WITH A MINIMUM ALLOWABLE BEARING CAPACITY OF 100KPA UP TO 3.0M DEPTH TO INVERT AND 150KPA FROM 3.0M TO 6.0M DEPTH TO INVERT (MINIMUM 100MM THICK 25MPA OR DEEPER TO ENSURE MINIMUM SPECIFIED BEARING CAPACITY IS ACHIEVED).
C. PRE-CAST STORMWATER PITS ARE TO BE CUSTOM MADE WITH OPENINGS WITHIN +50MM OD OF PIPE, HEIGHTS AND PIPE PENETRATIONS DURING MANUFACTURE. ANY ADDITIONAL PENETRATIONS SHALL BE CORE DRILLED.
D. DEMOLITION SAWS ARE NOT TO BE USED IN ANY CIRCUMSTANCES.
E. SINGLE UNITS PREFERRED BUT IF REQUIRED MINIMUM RISER DEPTH 600MM PIT INSTALLATION AND JOINTING PIPES TO PITS SHALL BE UNDERTAKEN IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
F. ANY DAMAGE TO THE STRUCTURAL INTEGRITY OF THE PRE-CAST PIT WILL BE REPAIRED AND STRUCTURALLY CERTIFIED TO THE SATISFACTION OF THE SUPERINTENDENT / PENRITH CITY COUNCIL.
G. ALL PRE-CAST PIT PENETRATIONS SHALL BE CUT SO THAT IT IS FLUSH WITH THE INTERNAL WALL.
H. PIPE JOINTING/SEALING OF PIPE PENETRATION TO BE WITH A NON-SHRINK MORTAR MIX, E.G. LANKO 702 DURABED OR SIMILAR APPROVED.

EROSION AND SEDIMENT CONTROL NOTES

GENERAL INSTRUCTIONS

1. THE CONTRACTOR IS RESPONSIBLE FOR ENGAGING A SUITABLY QUALIFIED EROSION AND SEDIMENT CONSULTANT FOR THE DURATION OF THE CONTRACT WITH THE EXPERTISE IN DESIGNING AND DOCUMENTING THE CONTROLS TO ALLOW THE INSTALLATION AND MAINTENANCE OF THE EROSION AND SEDIMENT CONTROLS. SUITABLE EROSION AND SEDIMENT CONTROLS SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR REQUIRED TO SUIT THE CONSTRUCTION STAGING
2. ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH
   a. NSW DEPARTMENT OF HOUSING MANUAL "MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION", 4th EDITION, MARCH 2004.
   b. LOCAL AUTHORITY REQUIREMENTS
   c. EPA REQUIREMENTS
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 / INSTALLED AS DIRECTED BY THE CONTRACTORS EROSION AND SEDIMENT CONTROL CONSULTANT.

EROSION CONTROL

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

SEDIMENT CONTROL

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

OTHER MATTERS

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

EROSION AND SEDIMENT CONTROL NOTES

STAGING

SUITABLE EROSION AND SEDIMENT CONTROLS SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR THROUGHOUT ALL STAGES OF WORKS, THROUGHOUT THE FULL TERM OF THE CONTRACT, WHERE SHOWN ON AT&L DRAWINGS OR WHERE DIRECTED BY THE SUPERINTENDENT OR PENRITH CITY COUNCIL'S ENGINEERS. THE CONTRACTOR IS RESPONSIBLE FOR DESIGNING, DOCUMENTING, INSTALLING AND MAINTAINING THE SEDIMENT AND EROSION CONTROLS REQUIRED TO SUIT THE SELECTED CONSTRUCTION STAGING. THIS IS TO BE DOCUMENTED IN THE FORM OF A SOIL AND WATER MANAGEMENT PLAN TO BE DEVELOPED BY THE CONTRACTOR AND THEIR EROSION ND SEDIMENT CONSULTANT AND PROVIDED BY THE SUPERINTENDENT PRIOR TO CONSTRUCTION COMMENCEMENT.

SUCH CONTROLS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE PROTECTION OF THE ENVIRONMENT OPERATIONS ACT, PENRITH CITY COUNCIL'S SPECIFICATIONS AND THE OFFICE OF ENVIRONMENT AND HERITAGE'S 'MANAGING URBAN STORMWATER: SOILS AND CONSTRUCTION. LANDCOM, (4TH EDITION) MARCH 2004 (REPRINTED 2006) (THE "BLUE BOOK"). VOLUME 1 AND VOLUME 2.

FINISHED SURFACE LEVELS

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

LEGEND

- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- 65.0 — PROPOSED CONTOUR
- K&G — KERB AND GUTTER
- KO — KERB ONLY
- IK — INTEGRAL KERB ONLY
- ● F74.00 — FINISHED SURFACE LEVEL
- Ø375 — STORMWATER PIPE WITH SIZE
- GD — STORMWATER GRATED DRAIN WITH CLASS "D" COVER
- DP SW — STORMWATER DOWNPIPE & uPVC DRAINAGE LINE
- SUBSOIL DRAINAGE (100mm Ø)
- CATCHDRAIN
- KERB INLET PIT
- SURFACE INLET PIT
- JUNCTION PIT
- EXISTING STORMWATER PIPE
- EXISTING RETAINING WALL
- SYDNEY WATER REGIONAL BASIN
- S — EXISTING SEWER MAIN
- W — EXISTING WATER MAIN
- NBN — EXISTING NBN
- LV/HV — EXISTING ELECTRICAL
- G — EXISTING GAS MAIN

NOTES:
1. ALL LEVELS SHOWN ARE ± 1000mm
2. ROOF WATER DOWN PIPE LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN.
3. RETAINING WALL LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN.
4. VEHICLE TURNING PATHS TO BE CONFIRMED DURING DETAILED DESIGN.

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CONTRACTOR SHALL OBTAIN ALL CURRENT SERVICE AUTHORITY PLANS PRIOR TO COMMENCEMENT OF WORK

BEFORE YOU DIG www.byda.com.au

CONTRACTOR SHALL OBTAIN ALL CURRENT SERVICE AUTHORITY PLANS PRIOR TO COMMENCEMENT OF WORK

Issue	Description	Date
C	ISSUED FOR SSDA	27-02-26
B	ISSUED FOR SSDA	28-01-26
A	ISSUED FOR SSDA	30-10-25

Bar Scales

100mm on Original

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Client: mirvac

Scales: N.T.S.
Grid: MGA2020
Height Datum: AHD
GDA2020

Drawn: BW
Designed: JC
Checked: DS
Approved:

Project: SEED
STAGE 1B SSD
8200 SERIES
LOT 8 ONLOT WORKS PACKAGE

Title: GENERAL NOTES

Civil Engineers and Project Managers
at&l
Level 10, 124 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

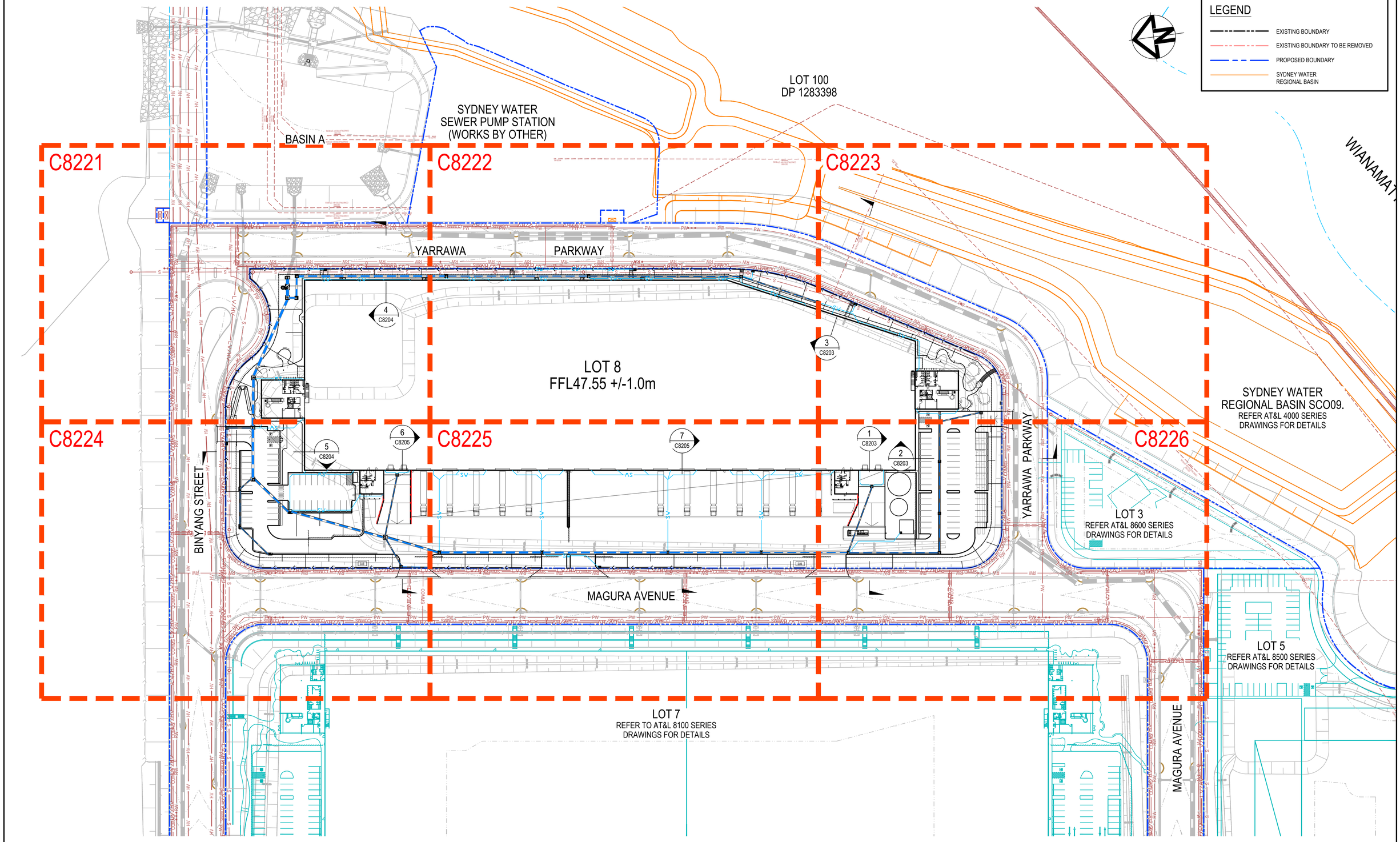
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A1

Project - Drawing No.: 16-369-C8201

Issue: C

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Issue	Description	Date
C	ISSUED FOR SSDA	27-02-26
B	ISSUED FOR SSDA	28-01-26
A	ISSUED FOR SSDA	30-10-25

Bar Scales

0 15 30 45 60m

1 : 750 @ A1 1 : 1250 @ A3

100mm on Original

Client

mirvac

Scales	1:750
Grid	MGA2020
Height Datum	AHD
Drawn	BW
Designed	JC
Checked	DS
Approved	

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Project

SEED
STAGE 1B SSD
8200 SERIES
LOT 8 ONLOT WORKS PACKAGE

Title

GENERAL ARANGEMENT PLAN

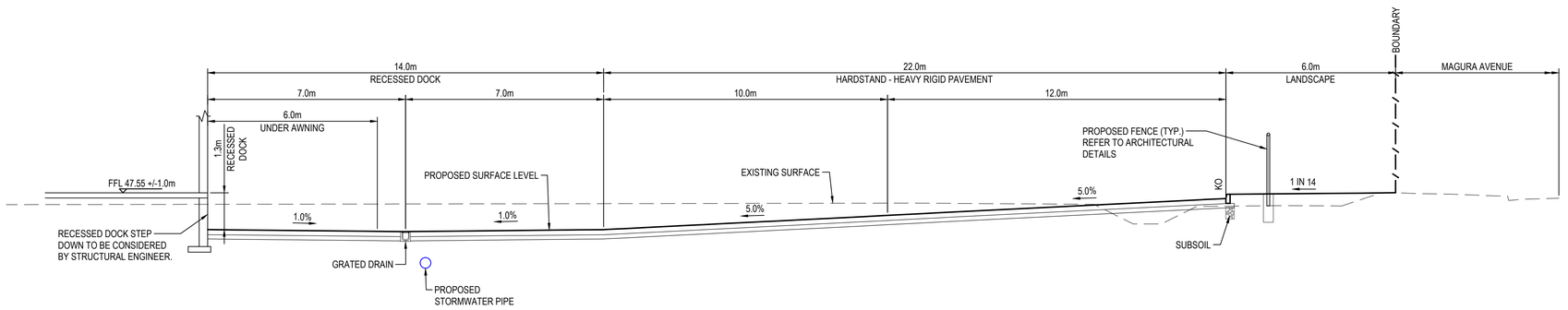
Civil Engineers and Project Managers

at&l

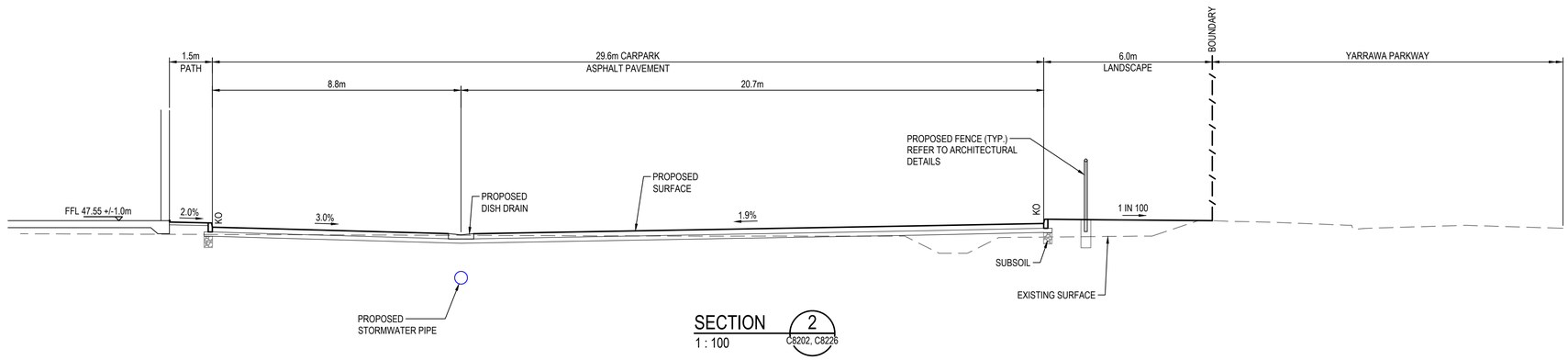
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North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

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FOR APPROVAL NOT FOR CONSTRUCTION	A1
Project - Drawing No.	Issue
16-369-C8202	C

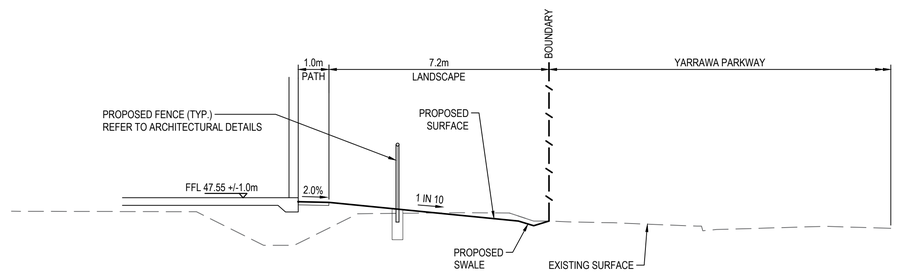
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SECTION 1
1 : 100
C8202, C8226



SECTION 2
1 : 100
C8202, C8226



SECTION 3
1 : 100
C8202, C8223

Issue	Description	Date
C	ISSUED FOR SSDA	27-02-26
B	ISSUED FOR SSDA	28-01-26
A	ISSUED FOR SSDA	30-10-25

100mm on Original

Bar Scales

0 2 4 6 8 10m

1 : 100 @ A1 1 : 200 @ A3

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Client

mirvac

Scales	1:100
Grid	MGA2020
Height Datum	AHD
Drawn	BW
Designed	JC
Checked	DS
Approved	

GDA2020

Project

SEED
STAGE 1B SSD
8200 SERIES
LOT 8 ONLOT WORKS PACKAGE

Title

TYPICAL SITE SECTIONS
SHEET 1

Civil Engineers and Project Managers
at&l
Level 10, 124 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

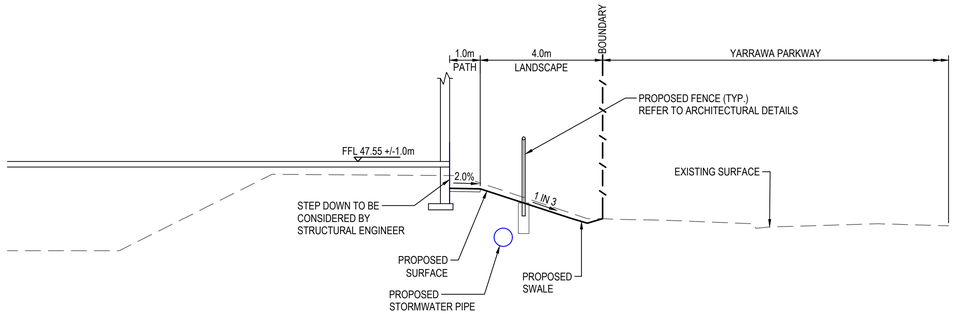
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A1

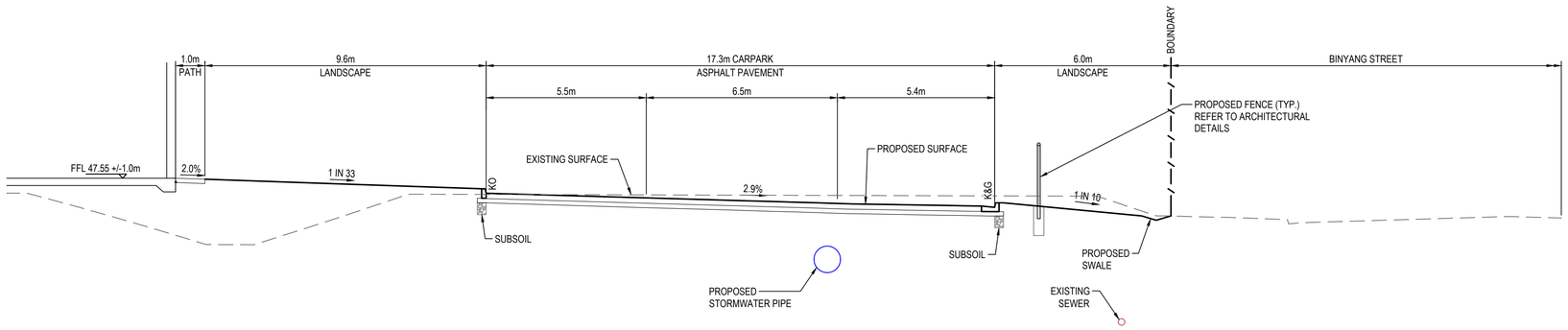
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Issue: C

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SECTION 4
1 : 100
C8202, C8221



SECTION 5
1 : 100
C8202, C8224

Issue	Description	Date
C	ISSUED FOR SSDA	27-02-26
B	ISSUED FOR SSDA	28-01-26
A	ISSUED FOR SSDA	30-10-25

Bar Scales

0 2 4 6 8 10m

1 : 100 @ A1 1 : 200 @ A3

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Client

mirvac

Scales	1:100
Grid	MGA2020
Height Datum	AHD

Drawn	BW
Designed	JC
Checked	DS
Approved	

GDA2020

Project

SEED
STAGE 1B SSD
8200 SERIES
LOT 8 ONLOT WORKS PACKAGE

Title

TYPICAL SITE
SECTIONS
SHEET 2

Civil Engineers and Project Managers
at&l
Level 10, 124 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

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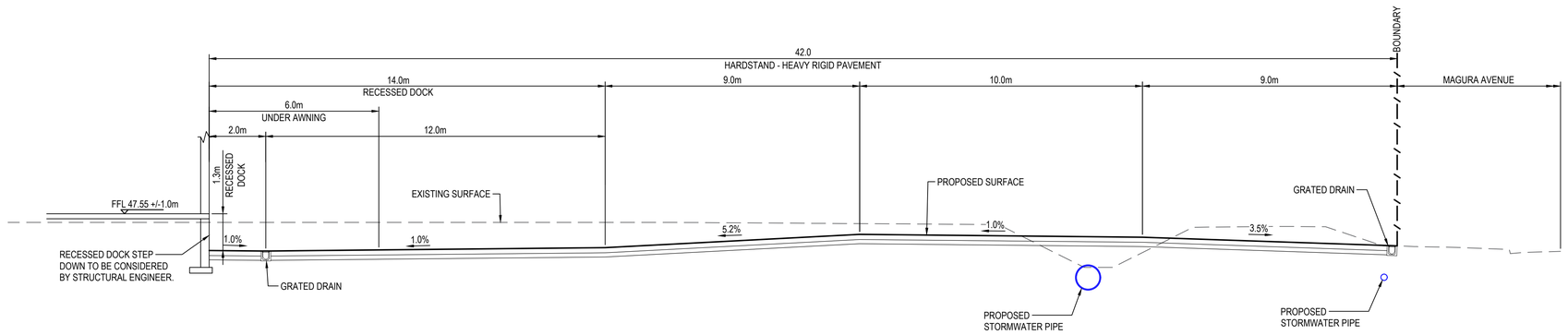
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Project - Drawing No.
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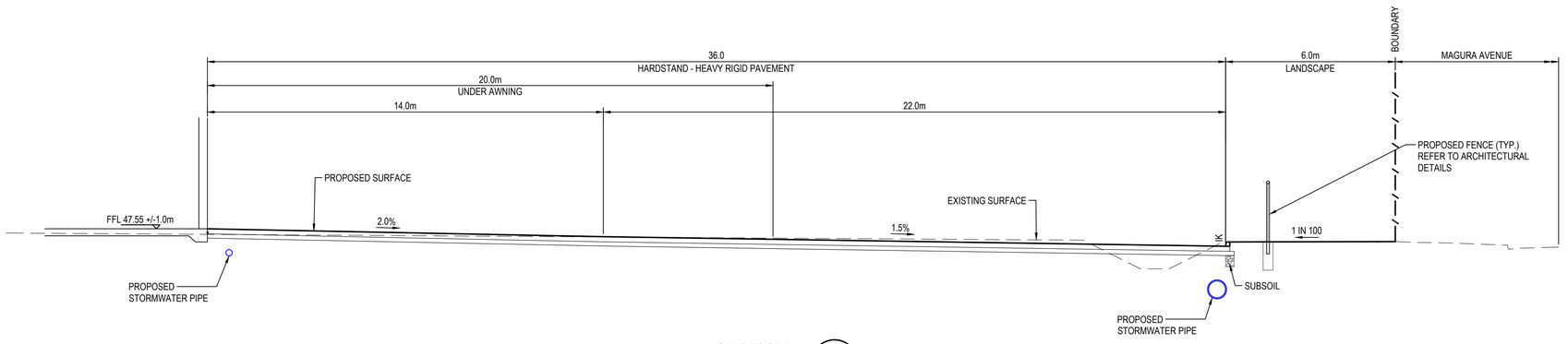
Issue
C

100mm on Original

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SECTION 6
1 : 100
C8202, C8224



SECTION 7
1 : 100
C8202, C8225

Issue	Description	Date
C	ISSUED FOR SSDA	27-02-26
B	ISSUED FOR SSDA	28-01-26
A	ISSUED FOR SSDA	30-10-25

Bar Scales
0 2 4 6 8 10m
1 : 100 @ A1 1 : 200 @ A3

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Client: mirvac

Scales: 1:100
Grid: MGA2020
Height Datum: AHD
GDA2020

Drawn	BW
Designed	JC
Checked	DS
Approved	

Project
SEED
STAGE 1B SSD
8200 SERIES
LOT 8 ONLOT WORKS PACKAGE

Title
TYPICAL SITE SECTIONS
SHEET 3

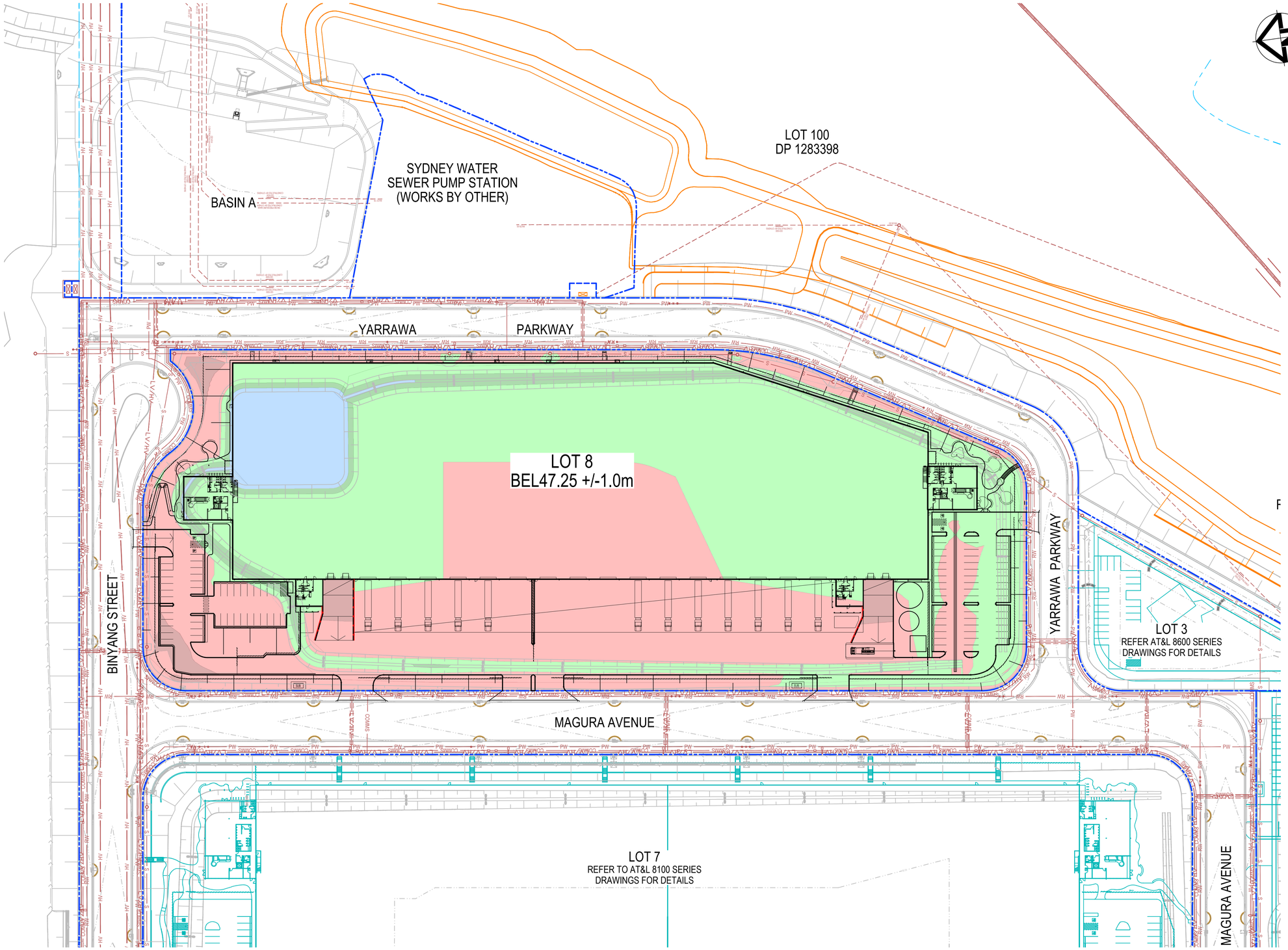
Civil Engineers and Project Managers
at&l
Level 10, 124 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

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Project - Drawing No.: 16-369-C8205
Issue: C

100mm on Original

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CUT\FILL DEPTH RANGE LEGEND

Lower_value		Upper_value		Colour
-100	to	-8.0	m	
-8.0	to	-7.0	m	
-7.0	to	-6.0	m	
-6.0	to	-5.0	m	
-5.0	to	-4.0	m	
-4.0	to	-3.0	m	
-3.0	to	-2.0	m	
-2.0	to	-1.0	m	
-1.0	to	0.0	m	
0.0	to	1.0	m	
1.0	to	2.0	m	
2.0	to	3.0	m	
3.0	to	4.0	m	
4.0	to	5.0	m	
5.0	to	6.0	m	
6.0	to	7.0	m	
7.0	to	8.0	m	
8.0	to	100	m	

EARTHWORKS VOLUMES

NET CUT (cu.m)	NET FILL (cu.m)	BALANCE (cu.m)
-5,099	10,395	5,296 (IMPORT)

NOTES

1. THE ABOVE VOLUMES ARE CALCULATED WITH THE ASSUMPTION THAT THE INFRASTRUCTURE WORKS ARE COMPLETED.
2. INFRASTRUCTURE EARTHWORKS ARE SUBJECT TO CHANGE WAE SURVEY TO CONFIRM VOLUMES.
3. THE CALCULATED EARTHWORKS VOLUME IS APPROXIMATE ONLY AND IS CALCULATED FROM THE INFRASTRUCTURE DESIGN SURFACE WITH AN EXISTING SEDIMENT BASIN LESS THE DESIGN BULK EARTHWORKS SURFACE. IT EXCLUDES ANY STOCKPILES ON SITE OR MODIFICATIONS TO THE INFRASTRUCTURE DESIGN DUE TO ACCESS TRACKS, SITE COMPOUNDS, etc
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
   - RAINWATER TANKS AND STORMWATER REUSE TANK
   - RETAINING WALL SELECT BACKFILL
5. ASSUMED ALL PAVEMENT AND LANDSCAPE DEPTH ARE 300mm.
6. ALL EARTHWORKS SHALL BE CARRIED OUT UNDER LEVEL 1 SUPERVISION IN ACCORDANCE WITH THE RELEVANT AUSTRALIAN STANDARD AND ALL RECOMMENDATIONS REGARDING SITE MANAGEMENT, EARTHWORKS PREPARATION, BATTERS, RETAINING WALLS, DRAINAGE, ETC AS OUTLINED IN THE GEOTECHNICAL REPORT.

Issue	Description	Date
C	ISSUED FOR SSDA	27-02-26
B	ISSUED FOR SSDA	28-01-26
A	ISSUED FOR SSDA	30-10-25

Bar Scales

0 15 30 45 60m

1 : 750 @ A1 1 : 1250 @ 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

mirvac

Scales	1:750
Grid	MGA2020
Height Datum	AHD
Drawn	BW
Designed	JC
Checked	DS
Approved	

GDA2020

Project

SEED
STAGE 1B SSD
8200 SERIES
LOT 8 ONLOT WORKS PACKAGE

Title

BULK EARTHWORKS PLAN

Civil Engineers and Project Managers
at&l
Level 10, 124 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

Status: FOR APPROVAL
NOT FOR CONSTRUCTION

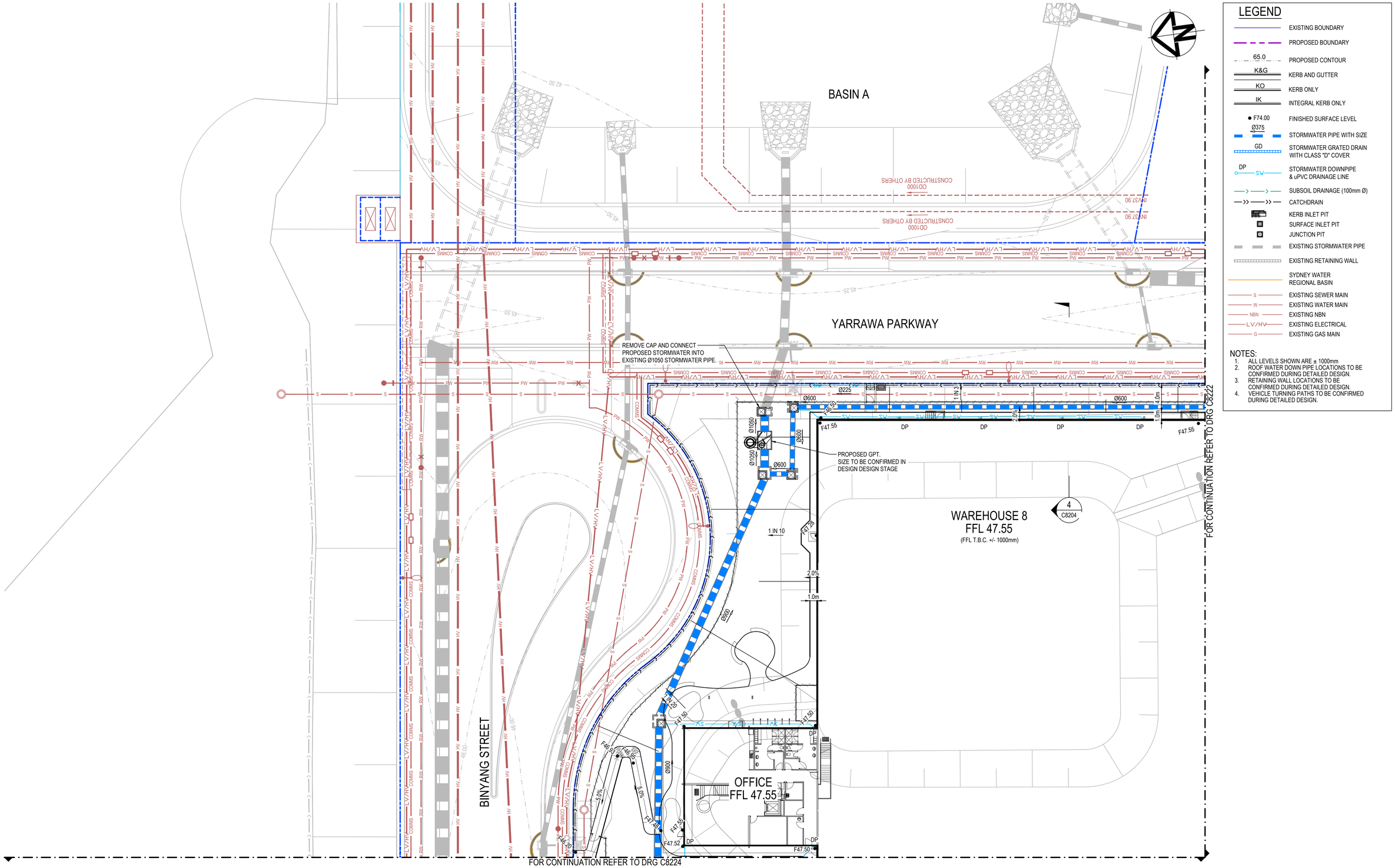
A1

Project - Drawing No.: 16-369-C8210

Issue: C

100mm on Original

F:\16-369 Kemps Creek\Drgs\Civil\Final\8000_Onlot Works Packages\8200_LOT 8\16-369-C8210.dwg



LEGEND

- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- 65.0 — PROPOSED CONTOUR
- K&G — KERB AND GUTTER
- KO — KERB ONLY
- IK — INTEGRAL KERB ONLY
- ● F74.00 — FINISHED SURFACE LEVEL
- Ø375 — STORMWATER PIPE WITH SIZE
- GD — STORMWATER GRATED DRAIN WITH CLASS "D" COVER
- DP / SW — STORMWATER DOWNPIPE & uPVC DRAINAGE LINE
- SUBSOIL DRAINAGE (100mm Ø)
- CATCHDRAIN
- KERB INLET PIT
- SURFACE INLET PIT
- JUNCTION PIT
- EXISTING STORMWATER PIPE
- EXISTING RETAINING WALL
- SYDNEY WATER REGIONAL BASIN
- S — EXISTING SEWER MAIN
- W — EXISTING WATER MAIN
- NBN — EXISTING NBN
- LV/HV — EXISTING ELECTRICAL
- G — EXISTING GAS MAIN

NOTES:

1. ALL LEVELS SHOWN ARE ± 1000mm
2. ROOF WATER DOWN PIPE LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN.
3. RETAINING WALL LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN.
4. VEHICLE TURNING PATHS TO BE CONFIRMED DURING DETAILED DESIGN.

Issue	Description	Date
C	ISSUED FOR SSDA	27-02-26
B	ISSUED FOR SSDA	28-01-26
A	ISSUED FOR SSDA	30-10-25

Bar Scales

0 5 10 15 20 25m

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

Client: mirvac

Scales	1:250
Grid	MGA2020
Height Datum	AHD
Drawn	BW
Designed	JC
Checked	DS
Approved	

GDA2020

Project: SEED
STAGE 1B SSD
8200 SERIES
LOT 8 ONLOT WORKS PACKAGE

Title: SITE WORKS PLAN SHEET 1

Civil Engineers and Project Managers
at&l
Level 10, 124 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

Status: FOR APPROVAL
NOT FOR CONSTRUCTION

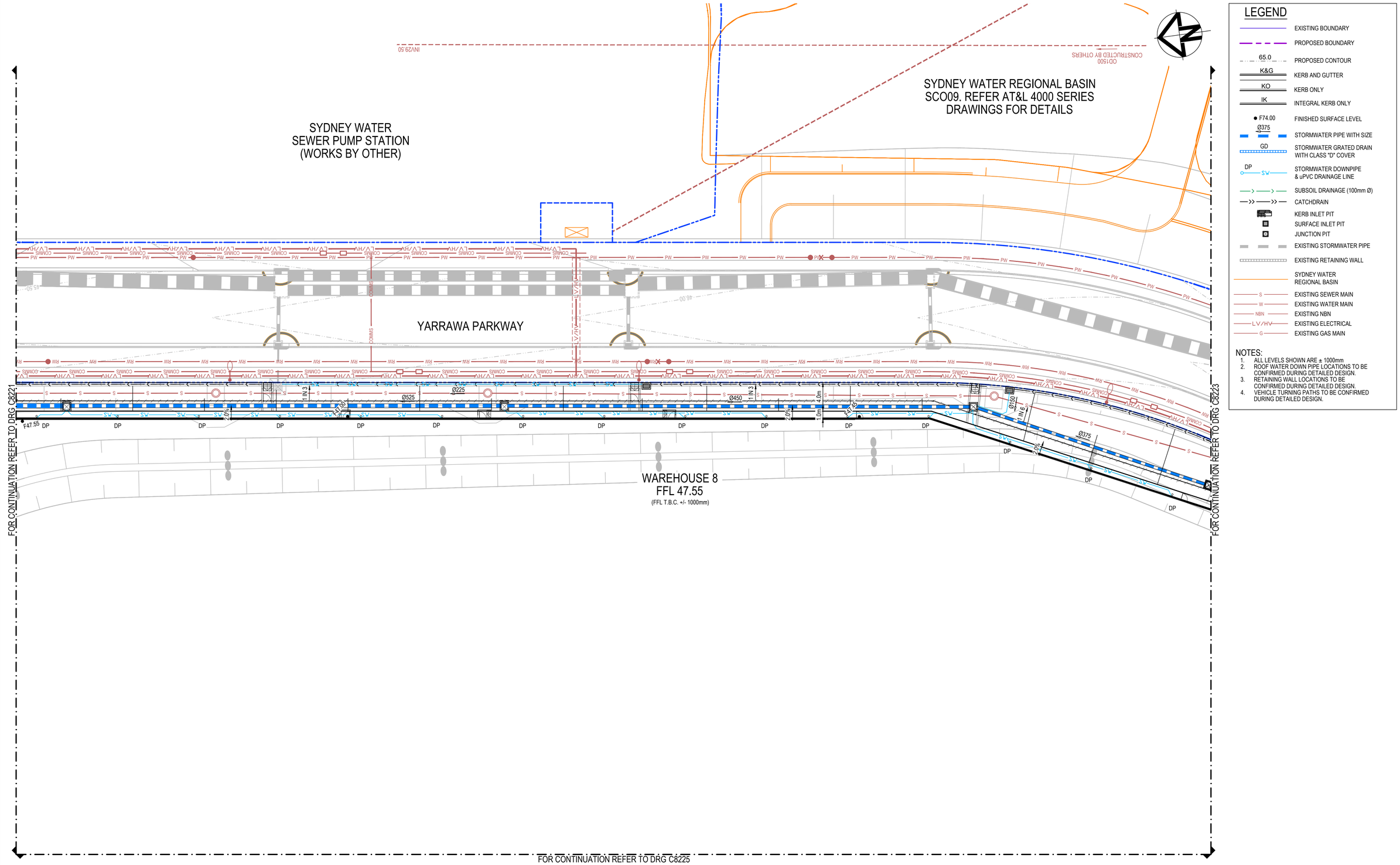
A1

Project - Drawing No.: 16-369-C8221

Issue: C

100mm on Original

F:\16-369 Kemps Creek\Drgs\Civil\Final\8000_Onlot Works Packages\8200_LOT 8\16-369-C8221.dwg



LEGEND

- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- 65.0 — PROPOSED CONTOUR
- K&G — KERB AND GUTTER
- KO — KERB ONLY
- IK — INTEGRAL KERB ONLY
- ● F74.00 — FINISHED SURFACE LEVEL
- Ø375 — STORMWATER PIPE WITH SIZE
- GD — STORMWATER GRATED DRAIN WITH CLASS "D" COVER
- DP — SW — STORMWATER DOWNPIPE & uPVC DRAINAGE LINE
- SUBSOIL DRAINAGE (100mm Ø)
- CATCHDRAIN
- KERB INLET PIT
- SURFACE INLET PIT
- JUNCTION PIT
- EXISTING STORMWATER PIPE
- EXISTING RETAINING WALL
- SYDNEY WATER REGIONAL BASIN
- S — EXISTING SEWER MAIN
- W — EXISTING WATER MAIN
- NBN — EXISTING NBN
- LV/HV — EXISTING ELECTRICAL
- G — EXISTING GAS MAIN

NOTES:
1. ALL LEVELS SHOWN ARE ± 1000mm
2. ROOF WATER DOWN PIPE LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN.
3. RETAINING WALL LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN.
4. VEHICLE TURNING PATHS TO BE CONFIRMED DURING DETAILED DESIGN.

Issue	Description	Date
C	ISSUED FOR SSDA	27-02-26
B	ISSUED FOR SSDA	28-01-26
A	ISSUED FOR SSDA	30-10-25

Bar Scales

0 5 10 15 20 25m

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

Client: mirvac

Scales	1:250
Drawn	BW
Designed	JC
Grid	MGA2020
Checked	DS
Height Datum	AHD
Approved	

GDA2020

Project
SEED
STAGE 1B SSD
8200 SERIES
LOT 8 ONLOT WORKS PACKAGE

Title
SITE WORKS
PLAN
SHEET 2

Civil Engineers and Project Managers
at&l
Level 10, 124 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

Status: FOR APPROVAL
NOT FOR CONSTRUCTION

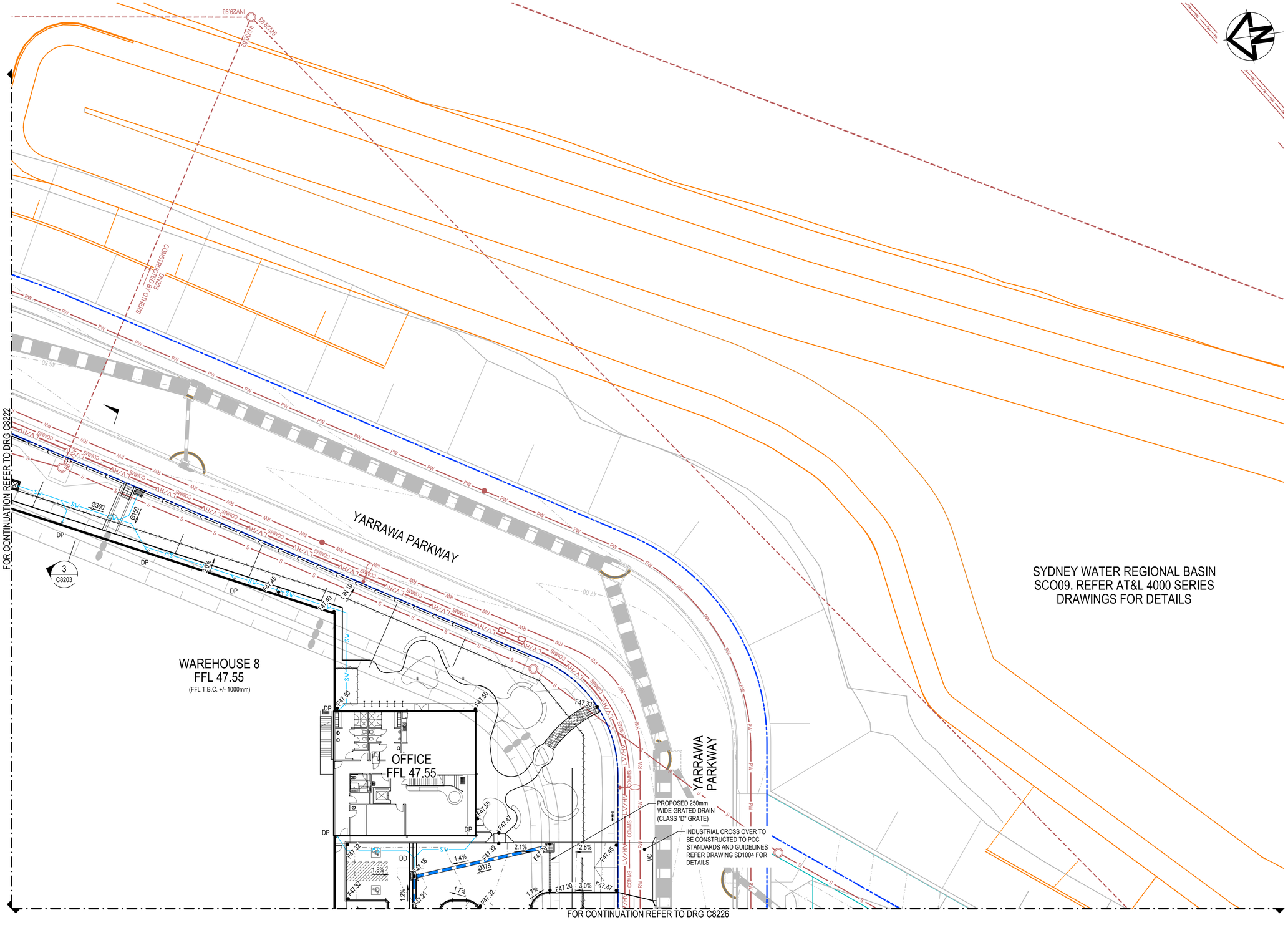
A1

Project - Drawing No.: 16-369-C8222

Issue: C

100mm on Original

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LEGEND

- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- 65.0 — PROPOSED CONTOUR
- K&G — KERB AND GUTTER
- KO — KERB ONLY
- IK — INTEGRAL KERB ONLY
- ● F74.00 — FINISHED SURFACE LEVEL
- Ø375 — STORMWATER PIPE WITH SIZE
- GD — STORMWATER GRATED DRAIN WITH CLASS "D" COVER
- DP — SW — STORMWATER DOWNPIPE & uPVC DRAINAGE LINE
- SUBSOIL DRAINAGE (100mm Ø)
- CATCHDRAIN
- KERB INLET PIT
- SURFACE INLET PIT
- JUNCTION PIT
- EXISTING STORMWATER PIPE
- EXISTING RETAINING WALL
- SYDNEY WATER REGIONAL BASIN
- S — EXISTING SEWER MAIN
- W — EXISTING WATER MAIN
- NBN — EXISTING NBN
- LV/HV — EXISTING ELECTRICAL
- G — EXISTING GAS MAIN

NOTES:

1. ALL LEVELS SHOWN ARE ± 1000mm
2. ROOF WATER DOWN PIPE LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN.
3. RETAINING WALL LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN.
4. VEHICLE TURNING PATHS TO BE CONFIRMED DURING DETAILED DESIGN.

Issue	Description	Date
C	ISSUED FOR SSDA	27-02-26
B	ISSUED FOR SSDA	28-01-26
A	ISSUED FOR SSDA	30-10-25

100mm on Original

Bar Scales

0 5 10 15 20 25m

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

Client: mirvac

Scales	1:250
Grid	MGA2020
Height Datum	AHD
Drawn	BW
Designed	JC
Checked	DS
Approved	

GDA2020

Project: SEED
STAGE 1B SSD
8200 SERIES
LOT 8 ONLOT WORKS PACKAGE

Title: SITE WORKS PLAN SHEET 3

Civil Engineers and Project Managers
at&l
Level 10, 124 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

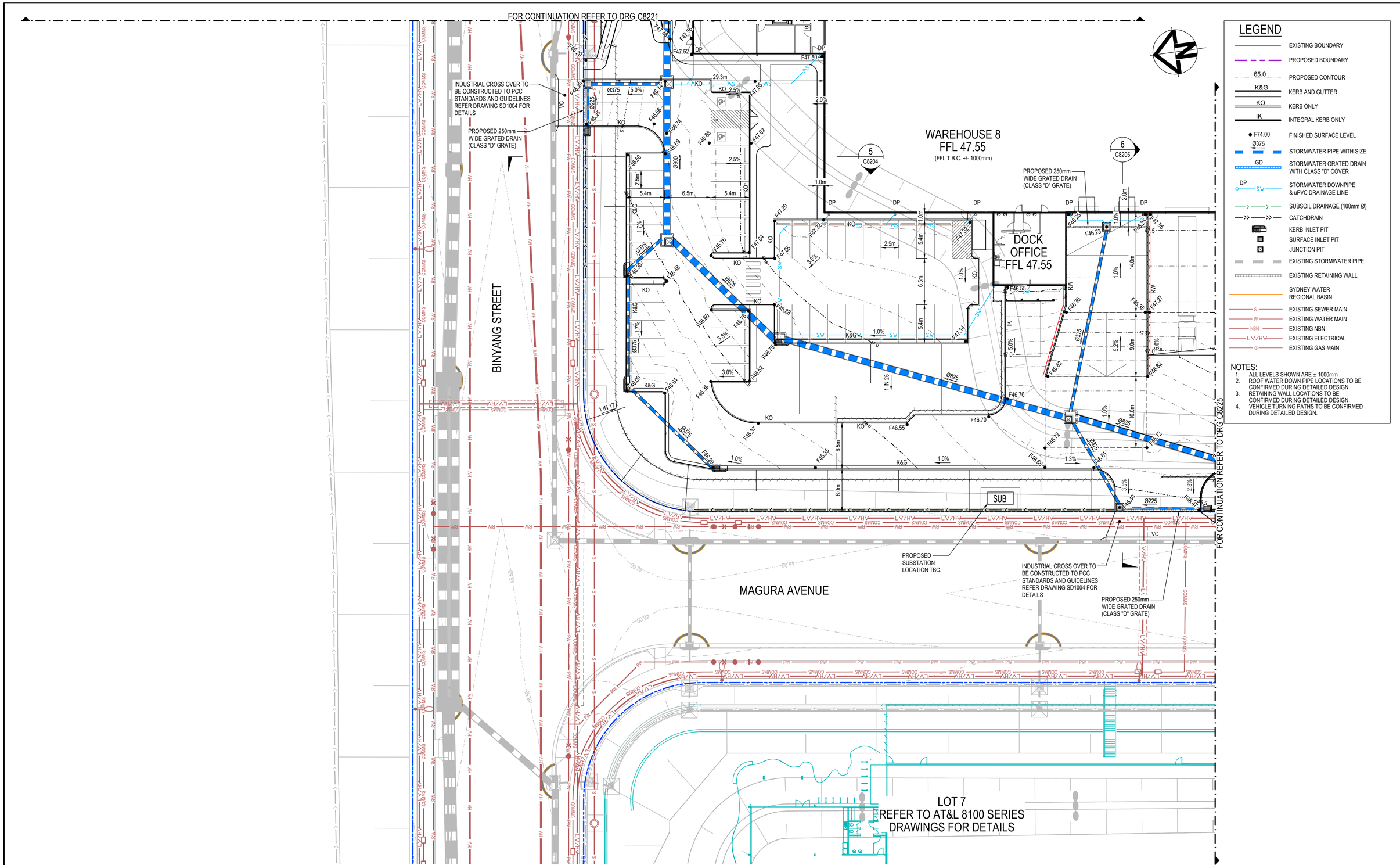
Status: FOR APPROVAL
NOT FOR CONSTRUCTION

A1

Project - Drawing No.: 16-369-C8223

Issue: C

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LEGEND

- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- 65.0 — PROPOSED CONTOUR
- K&G — KERB AND GUTTER
- KO — KERB ONLY
- IK — INTEGRAL KERB ONLY
- F74.00 — FINISHED SURFACE LEVEL
- Ø375 — STORMWATER PIPE WITH SIZE
- GD — STORMWATER GRATED DRAIN WITH CLASS "D" COVER
- DP SW — STORMWATER DOWNPIPE & uPVC DRAINAGE LINE
- SUBSOIL DRAINAGE (100mm Ø)
- CATCHDRAIN
- KERB INLET PIT
- SURFACE INLET PIT
- JUNCTION PIT
- EXISTING STORMWATER PIPE
- EXISTING RETAINING WALL
- SYDNEY WATER REGIONAL BASIN
- S — EXISTING SEWER MAIN
- W — EXISTING WATER MAIN
- NBN — EXISTING NBN
- LV/HV — EXISTING ELECTRICAL
- G — EXISTING GAS MAIN

NOTES:

1. ALL LEVELS SHOWN ARE ± 1000mm
2. ROOF WATER DOWN PIPE LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN.
3. RETAINING WALL LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN.
4. VEHICLE TURNING PATHS TO BE CONFIRMED DURING DETAILED DESIGN.

Issue	Description	Date
C	ISSUED FOR SSDA	27-02-26
B	ISSUED FOR SSDA	28-01-26
A	ISSUED FOR SSDA	30-10-25

Bar Scales

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

100mm on Original

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: mirvac

Scales	1:250
Drawn	BW
Designed	JC
Checked	DS
Approved	
Grid	MGA2020
Height Datum	AHD

GDA2020

Project: SEED
STAGE 1B SSD
8200 SERIES
LOT 8 ONLOT WORKS PACKAGE

Title: SITE WORKS PLAN SHEET 4

Civil Engineers and Project Managers
at&l
Level 10, 124 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

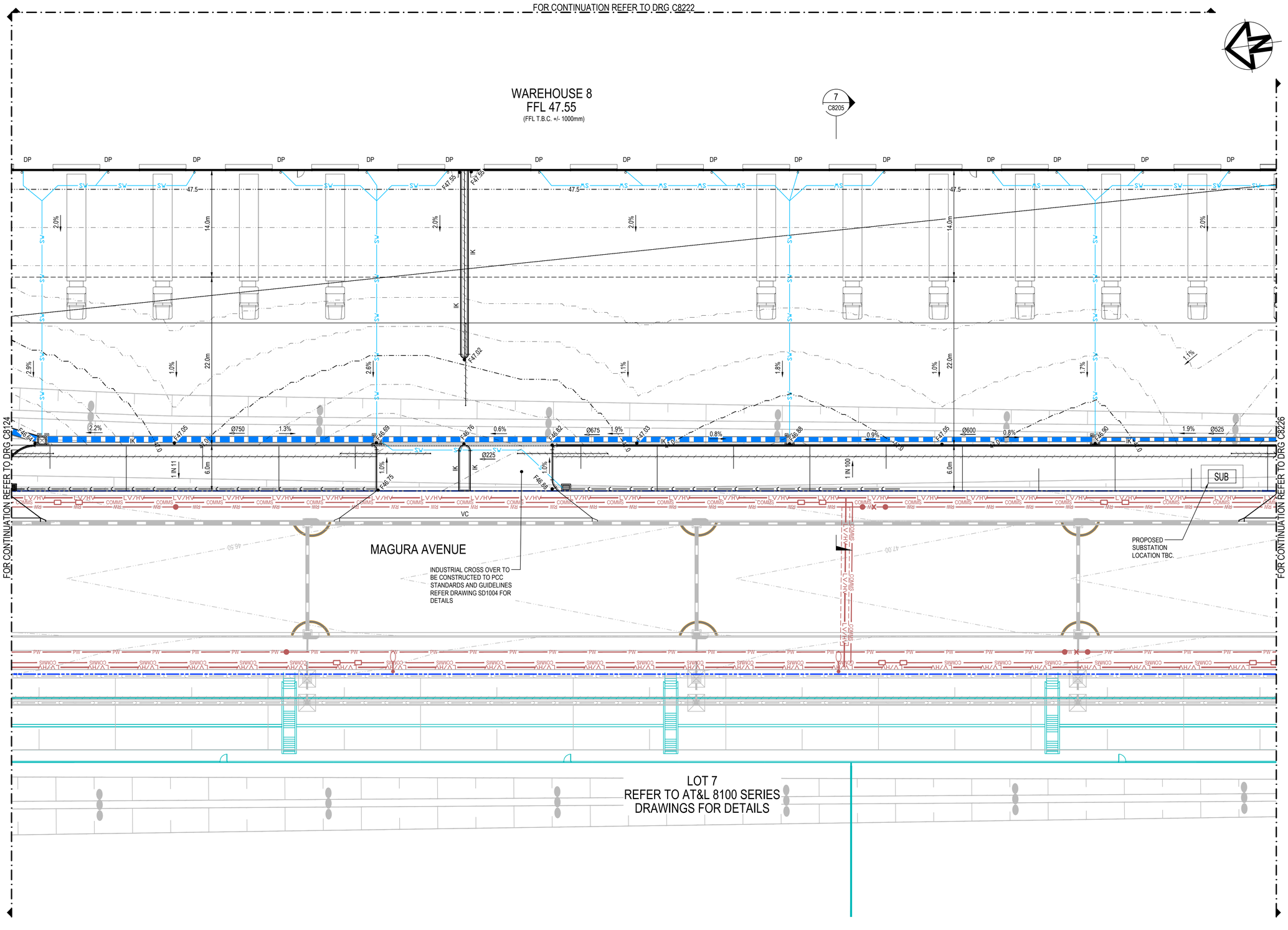
Status: FOR APPROVAL
NOT FOR CONSTRUCTION

A1

Project - Drawing No.: 16-369-C8224

Issue: C

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LEGEND

- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- 65.0 — PROPOSED CONTOUR
- K&G — KERB AND GUTTER
- KO — KERB ONLY
- IK — INTEGRAL KERB ONLY
- F74.00 — FINISHED SURFACE LEVEL
- Ø375 — STORMWATER PIPE WITH SIZE
- GD — STORMWATER GRATED DRAIN WITH CLASS "D" COVER
- DP / SW — STORMWATER DOWNPIPE & uPVC DRAINAGE LINE
- SUBSOIL DRAINAGE (100mm Ø)
- CATCHDRAIN
- KERB INLET PIT
- SURFACE INLET PIT
- JUNCTION PIT
- EXISTING STORMWATER PIPE
- EXISTING RETAINING WALL
- SYDNEY WATER REGIONAL BASIN
- S — EXISTING SEWER MAIN
- W — EXISTING WATER MAIN
- NBN — EXISTING NBN
- LV/HV — EXISTING ELECTRICAL
- G — EXISTING GAS MAIN

NOTES:

1. ALL LEVELS SHOWN ARE ± 1000mm
2. ROOF WATER DOWN PIPE LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN.
3. RETAINING WALL LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN.
4. VEHICLE TURNING PATHS TO BE CONFIRMED DURING DETAILED DESIGN.

Issue	Description	Date
C	ISSUED FOR SSDA	27-02-26
B	ISSUED FOR SSDA	28-01-26
A	ISSUED FOR SSDA	30-10-25

100mm on Original

Bar Scales

0 5 10 15 20 25m

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

Client: mirvac

Scales	1:250
Grid	MGA2020
Height Datum	AHD
Drawn	BW
Designed	JC
Checked	DS
Approved	

GDA2020

Project: SEED
STAGE 1B SSD
8200 SERIES
LOT 8 ONLOT WORKS PACKAGE

Title: SITE WORKS PLAN SHEET 5

Civil Engineers and Project Managers
at&l
Level 10, 124 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

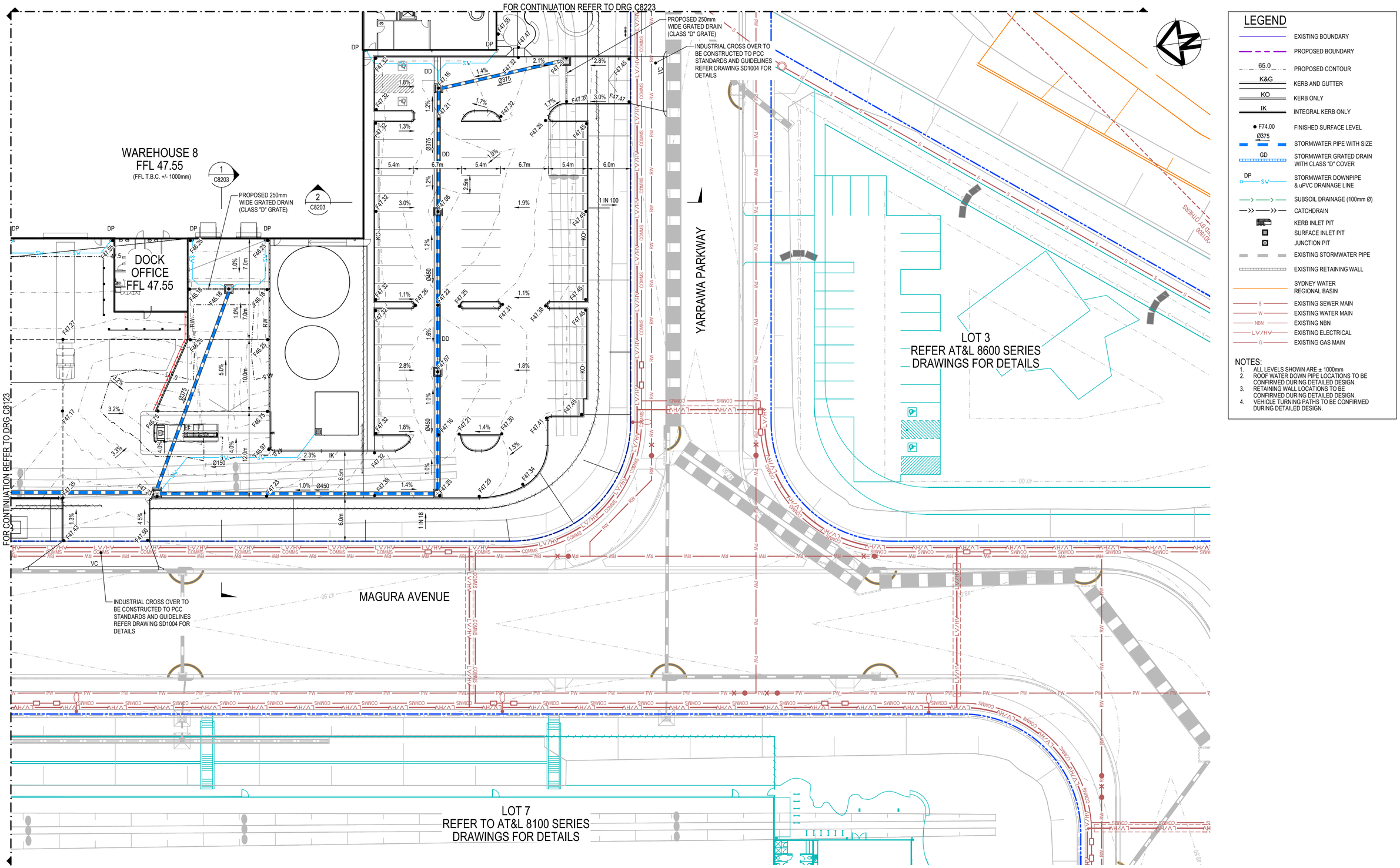
Status: FOR APPROVAL
NOT FOR CONSTRUCTION

A1

Project - Drawing No.: 16-369-C8225

Issue: C

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LEGEND

- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- 65.0 — PROPOSED CONTOUR
- K&G — KERB AND GUTTER
- KO — KERB ONLY
- IK — INTEGRAL KERB ONLY
- ● F74.00 — FINISHED SURFACE LEVEL
- Ø375 — STORMWATER PIPE WITH SIZE
- GD — STORMWATER GRATED DRAIN WITH CLASS "D" COVER
- DP / SW — STORMWATER DOWNPIPE & uPVC DRAINAGE LINE
- SUBSOIL DRAINAGE (100mm Ø)
- CATCHDRAIN
- KERB INLET PIT
- SURFACE INLET PIT
- JUNCTION PIT
- EXISTING STORMWATER PIPE
- EXISTING RETAINING WALL
- SYDNEY WATER REGIONAL BASIN
- S — EXISTING SEWER MAIN
- W — EXISTING WATER MAIN
- NBN — EXISTING NBN
- LV/HV — EXISTING ELECTRICAL
- G — EXISTING GAS MAIN

NOTES:

1. ALL LEVELS SHOWN ARE ± 1000mm
2. ROOF WATER DOWN PIPE LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN.
3. RETAINING WALL LOCATIONS TO BE CONFIRMED DURING DETAILED DESIGN.
4. VEHICLE TURNING PATHS TO BE CONFIRMED DURING DETAILED DESIGN.

Issue	Description	Date
C	ISSUED FOR SSDA	27-02-26
B	ISSUED FOR SSDA	28-01-26
A	ISSUED FOR SSDA	30-10-25

Bar Scales

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

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Client: mirvac

Scales	1:250
Grid	MGA2020
Height Datum	AHD
Drawn	BW
Designed	JC
Checked	DS
Approved	

GDA2020

Project: SEED
STAGE 1B SSD
8200 SERIES
LOT 8 ONLOT WORKS PACKAGE

Title: SITE WORKS PLAN SHEET 6

Civil Engineers and Project Managers
at&l
Level 10, 124 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

Status: FOR APPROVAL
NOT FOR CONSTRUCTION

A1

Project - Drawing No.: 16-369-C8226

Issue: C

100mm on Original

F:\16-369 Kemps Creek\Drgs\Civil\Final\8000_Onlot Works Packages\8200_LOT 8\16-369-C8226.dwg

BASIN A

SYDNEY WATER SEWER PUMP STATION
(WORKS BY OTHER)

SYDNEY WATER
REGIONAL BASIN SCO09.
REFER AT&L 4000 SERIES DRAWINGS
FOR DETAILS

YARRAWA PARKWAY

LOT 8

BINYANG STREET

YARRAWA PARKWAY

MAGURA AVENUE

LEGEND

- HEAVY DUTY RIGID PAVEMENT
- ASPHALT PAVEMENT CARPARK AISLES
- LANDSCAPE
- FOOTPATH
- WAREHOUSE SLAB
- DRIVEWAY PAVEMENT TO PCC STANDARDS AND GUIDELINES

NOTE: PAVEMENT THICKNESS SUBJECT TO DETAILED DESIGN

Issue	Description	Date
C	ISSUED FOR SSDA	27-02-26
B	ISSUED FOR SSDA	28-01-26
A	ISSUED FOR SSDA	30-10-25

Bar Scales

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

100mm on Original

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

mirvac

Scales	1:500
Grid	MGA2020
Height Datum	AHD
Drawn	BW
Designed	JC
Checked	DS
Approved	

GDA2020

Project

SEED
STAGE 1B SSD
8200 SERIES
LOT 8 ONLOT WORKS PACKAGE

Title

PAVEMENT
PLAN

Civil Engineers and Project Managers
at&l
Level 10, 124 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

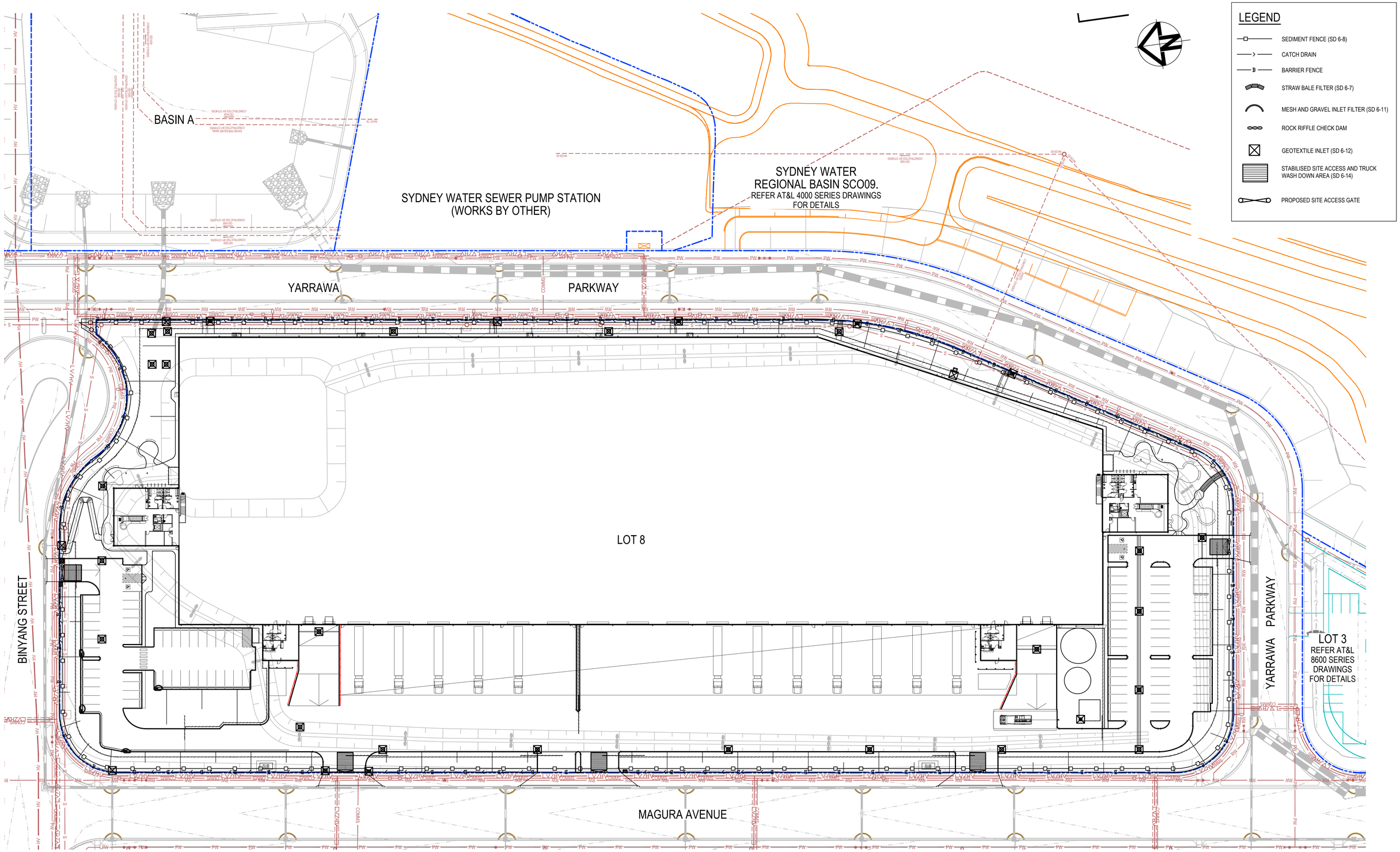
Status: FOR APPROVAL
NOT FOR CONSTRUCTION

A1

Project - Drawing No.: 16-369-C8231

Issue: C

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Issue	Description	Date
C	ISSUED FOR SSDA	27-02-26
B	ISSUED FOR SSDA	28-01-26
A	ISSUED FOR SSDA	30-10-25

100mm on Original

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

mirvac

Scales	1:500
Grid	MGA2020
Height Datum	AHD
Drawn	BW
Designed	JC
Checked	DS
Approved	

GDA2020

Project

SEED
STAGE 1B SSD
8200 SERIES
LOT 8 ONLOT WORKS PACKAGE

Title

EROSION AND SEDIMENT CONTROL PLAN

Civil Engineers and Project Managers
at&l
Level 10, 124 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

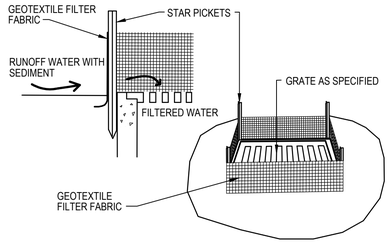
Status: FOR APPROVAL
NOT FOR CONSTRUCTION

A1

Project - Drawing No.: 16-369-C8241

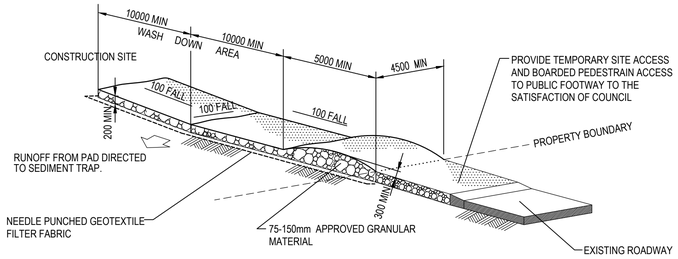
Issue: C

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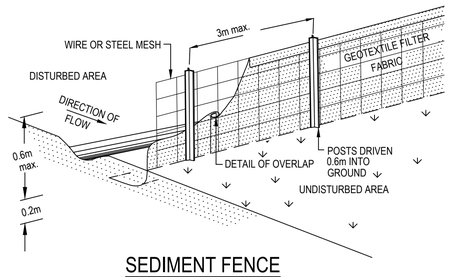
GEOTEXTILE FILTER PIT SURROUND

NTS



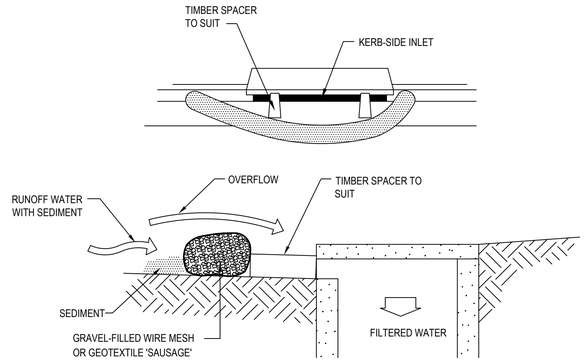
STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA

NTS



SEDIMENT FENCE

NTS



MESH AND GRAVEL INLET FILTER

NTS

Issue	Description	Date
C	ISSUED FOR SSDA	27-02-26
B	ISSUED FOR SSDA	28-01-26
A	ISSUED FOR SSDA	30-10-25

Bar Scales

100mm on Original

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Client

mirvac

Scales N.T.S.

Grid MGA2020

Height Datum AHD

GDA2020

Drawn	BW
Designed	JC
Checked	DS
Approved	

Project

SEED
STAGE 1B SSD
8200 SERIES
LOT 8 ONLOT WORKS PACKAGE

Title

EROSION AND SEDIMENT DETAILS

Civil Engineers and Project Managers
at&l
Level 10, 124 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

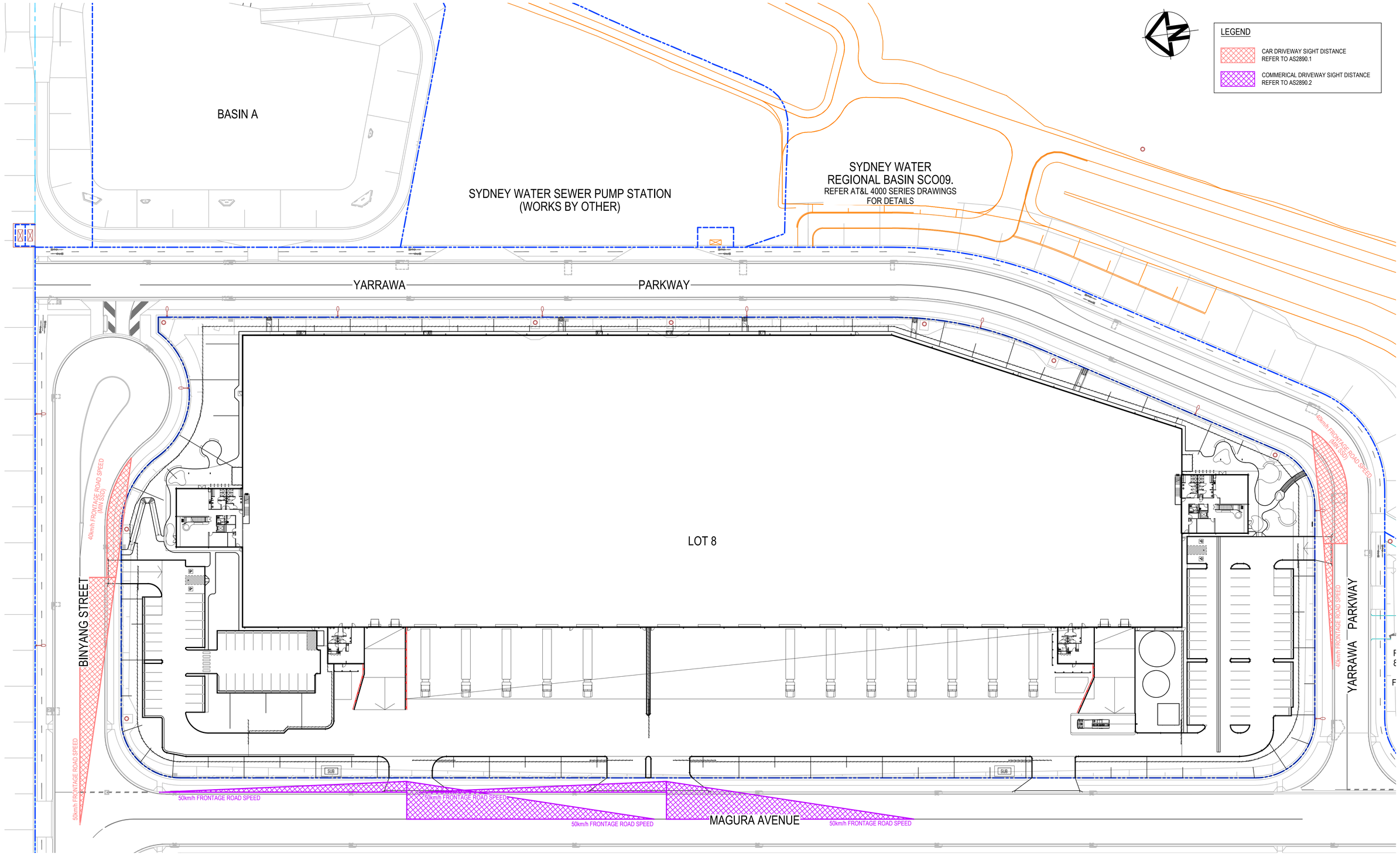
Status FOR APPROVAL
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A1

Project - Drawing No. 16-369-C8242

Issue C

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Issue	Description	Date
A	ISSUED FOR SSDA	02-03-26

100mm on Original

Bar Scales

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

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Client

mirvac

Scales	1:500
Grid	MGA2020
Height Datum	AHD
Drawn	BW
Designed	JC
Checked	DS
Approved	

GDA2020

Project

SEED
STAGE 1B SSD
8200 SERIES
LOT 8 ONLOT WORKS PACKAGE

Title

SIGHT DISTANCE PLAN

Civil Engineers and Project Managers
at&l
Level 10, 124 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

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Project - Drawing No.: 16-369-C8250

Issue: A

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