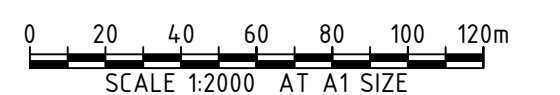
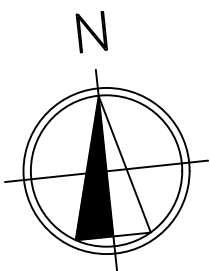


DEVELOPMENT APPLICATION ISSUE



DRAWING INDEX	
DRAWING No.	DESCRIPTION
DRG-CI-0100	COVER SHEET, LOCALITY PLAN AND DRAWING INDEX
DRG-CI-0120	EARTHWORKS DEPTH RANGE PLAN
DRG-CI-0200	SITEWORKS PLAN AND GROUND FLOOR DRAINAGE
DRG-CI-0220	TYPICAL SECTIONS
DRG-CI-0300	MUSIC MODEL CATCHMENT PLAN
DRG-CI-0340	DRAINAGE DETAILS
DRG-CI-0700	EROSION AND SEDIMENT CONTROL PLAN
DRG-CI-0710	EROSION AND SEDIMENT CONTROL DETAILS

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LEGEND

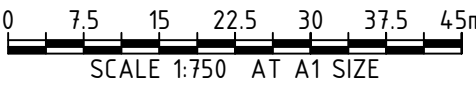
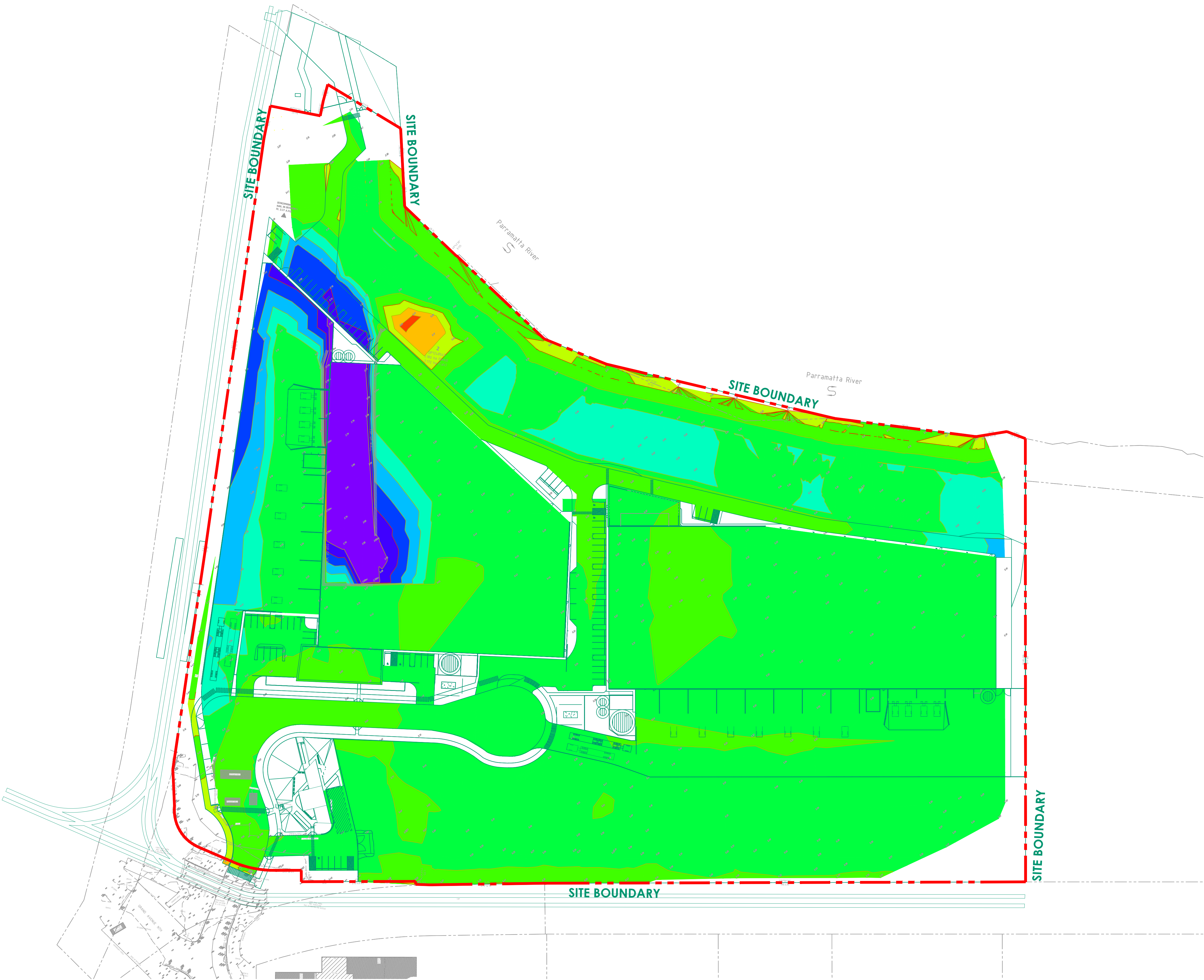
	WORK EXTENT
	EXISTING SURVEY FEATURES
	EXISTING CONTOURS
	ARCHITECTURAL

Surface Analysis: Elevation Ranges					
Number	Color	Minimum Elevation (m)	Maximum Elevation (m)	2D Area (m ²)	Volume (m ³)
1		-2.000	-1.500	0.0	0.0
2		-1.500	-1.000	22.9	0.7
3		-1.000	-0.500	216.9	64.3
4		-0.500	0.000	834.8	188.6
5		0.000	0.500	10264.5	22779.1
6		0.500	1.000	30494.6	10473.2
7		1.000	1.500	4273.1	2842.4
8		1.500	2.000	1512.0	1941.3
9		2.000	2.500	1236.9	1243.4
10		2.500	3.000	429.3	813.2
11		3.000	3.500	1466.3	335.4

TOTAL CUT	253.80 cu.m
TOTAL FILL	47183.19 cu.m
TOTAL BALANCE	46929.39 cu.m

NOTES:

1. NO BOXING ALLOWANCE FOR PAVEMENT TYPES.
2. NO BOXING ALLOWANCE FOR LANDSCAPING.
3. LANDSCAPING TO BE GRADED TO MATCH INTO EXISTING LEVEL ALONG BOUNDARY TOWARDS PARRAMATTA RIVER.
4. NO ALLOWANCE FOR STRIPPING



REV	DATE	DESCRIPTION	REV	DATE	DESCRIPTION
O	21.10.2024	ISSUED FOR APPROVAL	AM		
C	18.10.2024	ISSUED FOR APPROVAL	AM		
B	14.10.2024	ISSUED FOR INFORMATION	AM		
A	16.04.2024	ISSUED FOR INFORMATION	AM		
REV	DATE	DESCRIPTION	RVD	REV	DATE
REVISIONS			REVISIONS		

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DRAWN	DESIGNED	CHECKED	APPROVED
JL	AM	SH	
DATUM	GRID	SCALE	
AHD	MGA	1:750	

TITLE

EARTHWORKS
DEPTH RANGE PLAN

PROJECT No.

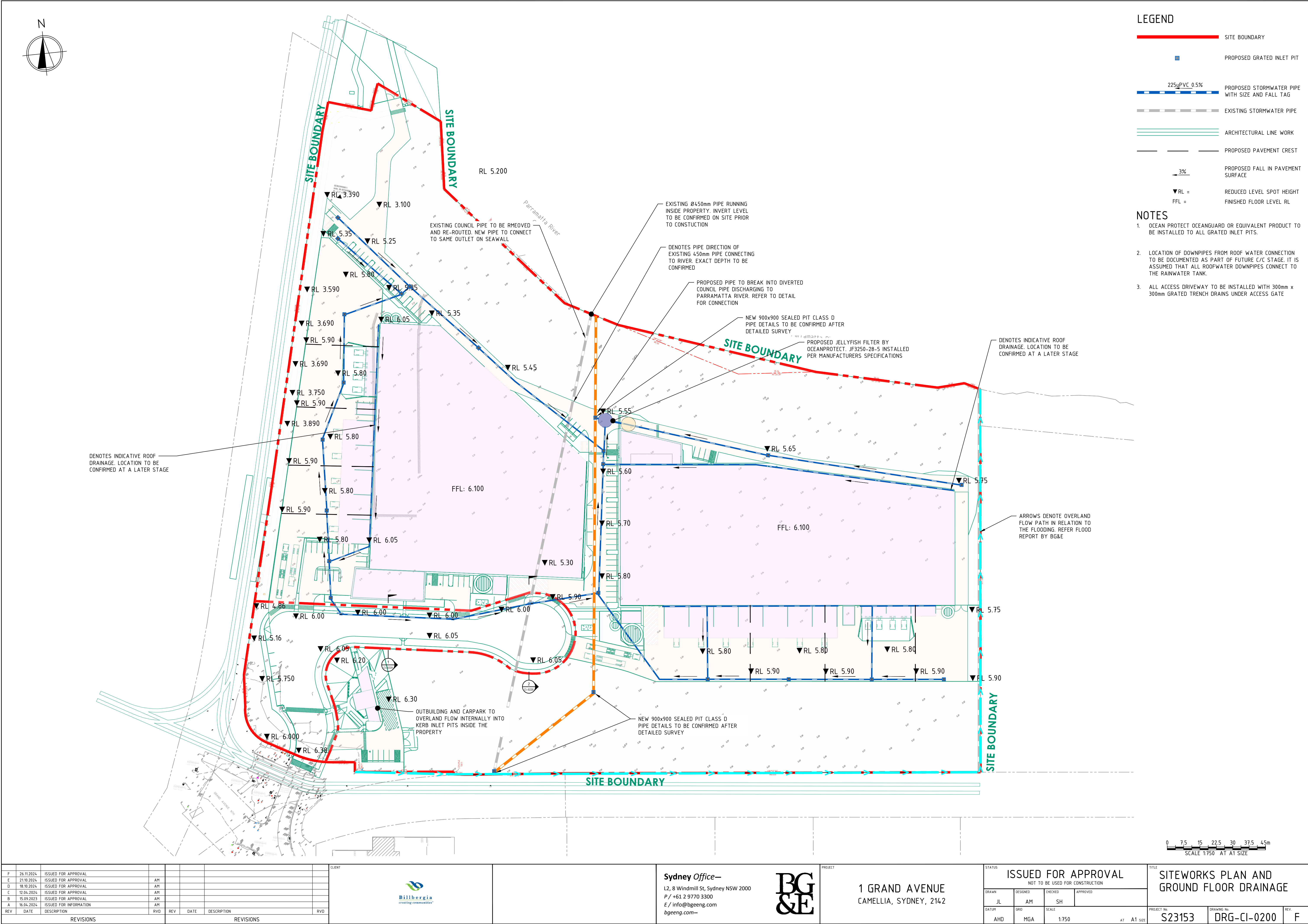
S23153

DRAWING No.

DRG-CI-0120

REV

D



	SITE BOUNDARY
	PROPOSED GRATED INLET PIT
	PROPOSED STORMWATER PIPE WITH SIZE AND FALL TAG
	EXISTING STORMWATER PIPE
	ARCHITECTURAL LINE WORK
	PROPOSED PAVEMENT CREST
	PROPOSED FALL IN PAVEMENT SURFACE
▼RL =	REDUCED LEVEL SPOT HEIGHT
FFL =	FINISHED FLOOR LEVEL RL

1. OCEAN PROTECT OCEANGUARD OR EQUIVALENT PRODUCT TO BE INSTALLED TO ALL GRATED INLET PITS.
2. LOCATION OF DOWNPIPES FROM ROOF WATER CONNECTION TO BE DOCUMENTED AS PART OF FUTURE C/C STAGE. IT IS ASSUMED THAT ALL ROOFWATER DOWNPIPES CONNECTION TO THE RAINWATER TANK.
3. ALL ACCESS DRIVEWAY TO BE INSTALLED WITH 300mm x 300mm GRATED TRENCH DRAINS UNDER ACCESS GATE

ARROWS DENOTE OVERLAND
FLOW PATH IN RELATION TO
THE FLOODING. REFER FLOOD
REPORT BY BG&E

[illegible]

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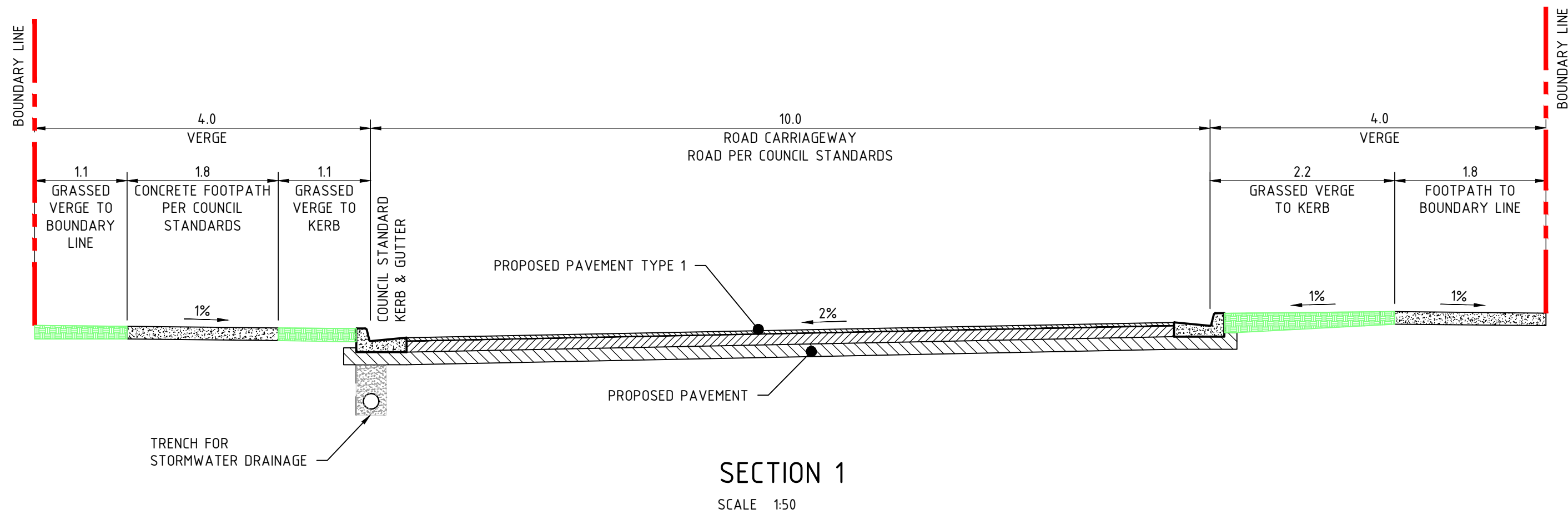


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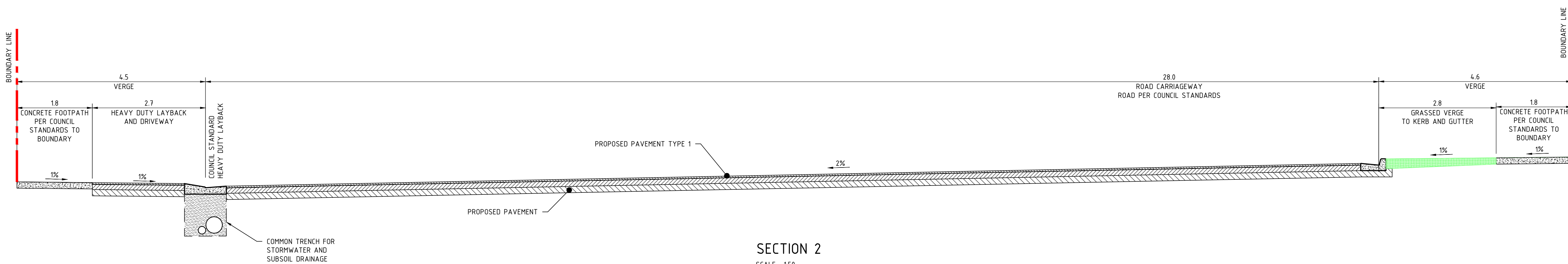
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NOT TO BE USED FOR CONSTRUCTION							
DRAWN		DESIGNED		CHECKED		APPROVED	
JL		AM		SH			
DATUM		GRID		SCALE			
AHD		MGA		1:750		AT A1 SIZE	

TITLE	SITeworks PLAN AND GROUND FLOOR DRAINAGE
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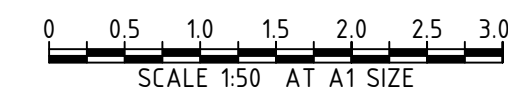
PROJECT No.	DRAWING No.	REV.
S23153	DRG-CI-0200	F



SECTION 1
SCALE 1:50



SECTION 2
SCALE 1:50



REV	DATE	DESCRIPTION	REV	DATE	DESCRIPTION
C	21.10.2024	ISSUED FOR APPROVAL	AM		
B	15.09.2023	ISSUED FOR APPROVAL	AM		
A	25.08.2023	ISSUED FOR INFORMATION	AM		
REV	DATE	DESCRIPTION	RVD	REV	DATE
REVISIONS			REVISIONS		

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STATUS

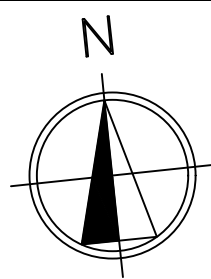
**SUBDIVISION WORKS
CERTIFICATE**

DRAWN	DESIGNED	CHECKED	APPROVED
JL	AM	SH	
DATUM	GRID	SCALE	
AHD	MGA	AS SHOWN	

TITLE

TYPICAL SECTIONS

PROJECT No.	DRAWING No.	REV.
S23153	DRG-CI-0220	C



LEGEND

- SITE BOUNDARY
- SEALED ROAD 2557m²
- LANDSCAPE BYPASSING 8402m²
- ROOF CATCHMENT 21630m²
- PAVED HARDSTAND CATCHMENT 15925m²
- LANDSCAPE CATCHMENT 18077m²

TOTAL SITE AREA 70709 m²

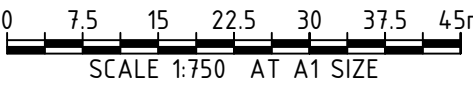
WATER QUALITY

- TREATMENT NODES:
- SITE TO BE INSTALLED WITH 1 OCEANSAVE GPT BY OCEAN PROTECT
 - ALL EXTERNAL PITS TO BE INSTALLED WITH OCEANGUARD INLET FILTERS
 - SITE TO BE INSTALLED WITH JELLYFISH FILTER-JF3250-28-5

TREATMENT STANDARDS

POLLUTANT	POST	REDUCTION (%)	COUNCIL REQUIREMENTS (%)
GROSS POLLUTANTS	51.6	100	90
TOTAL SUSPENDED SOLIDS	900	89.2	85
TOTAL PHOSPHORUS	7.06	66.8	60
TOTAL NITROGEN	90.9	47.4	45

STORMWATER DRAINAGE REQUIREMENTS HAVE BEEN CALCULATED IN ACCORDANCE WITH CITY OF PARRAMATTA STORMWATER MANAGEMENT PLAN



REV	DATE	DESCRIPTION	REV	DATE	DESCRIPTION
D	21.10.2024	ISSUED FOR APPROVAL	AM		
C	12.04.2024	ISSUED FOR APPROVAL	AM		
B	15.09.2023	ISSUED FOR APPROVAL	AM		
A	25.08.2023	ISSUED FOR INFORMATION	AM		
REV	DATE	DESCRIPTION	RVD	REV	DATE
REVISIONS			REVISIONS		

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STATUS

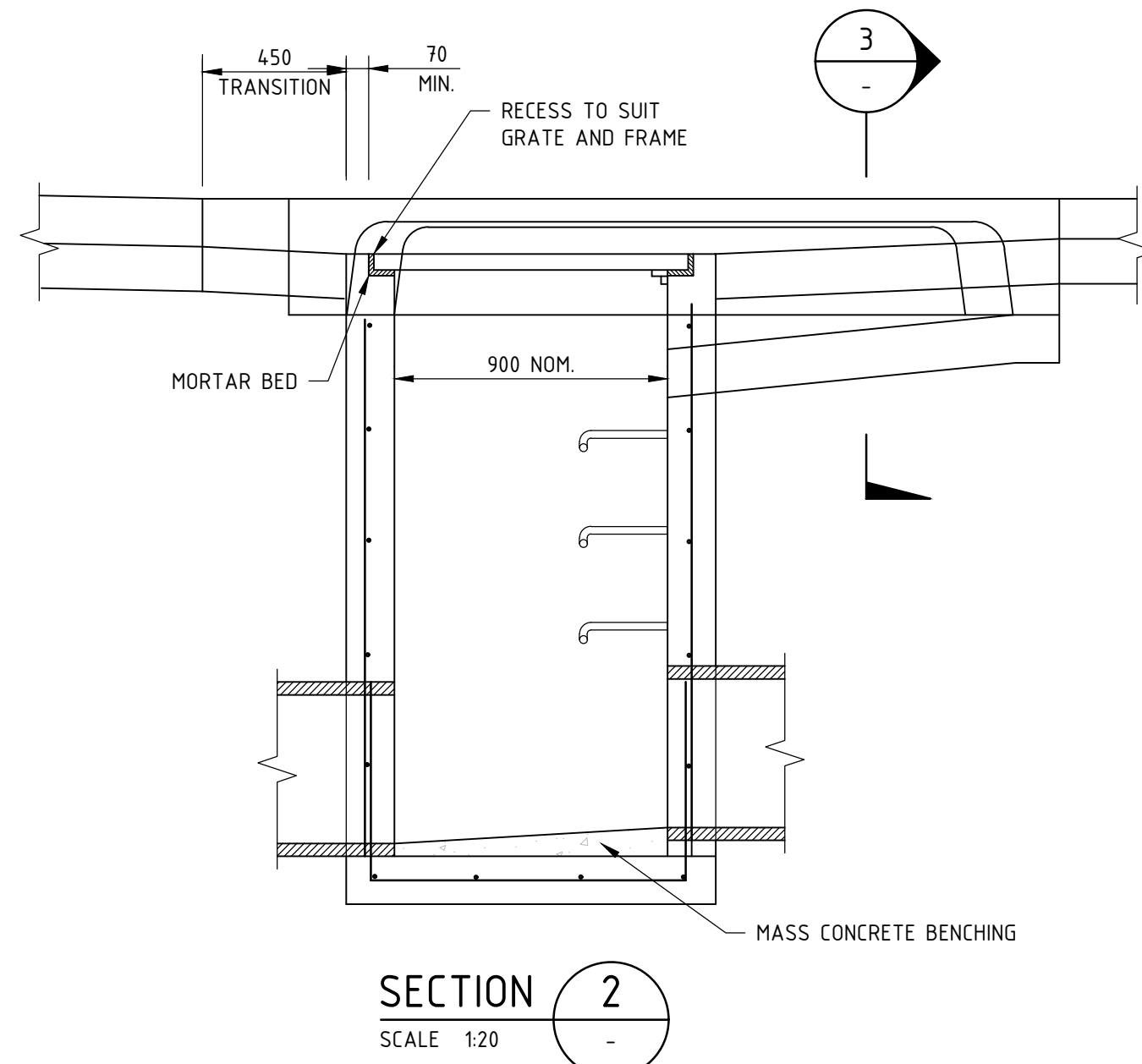
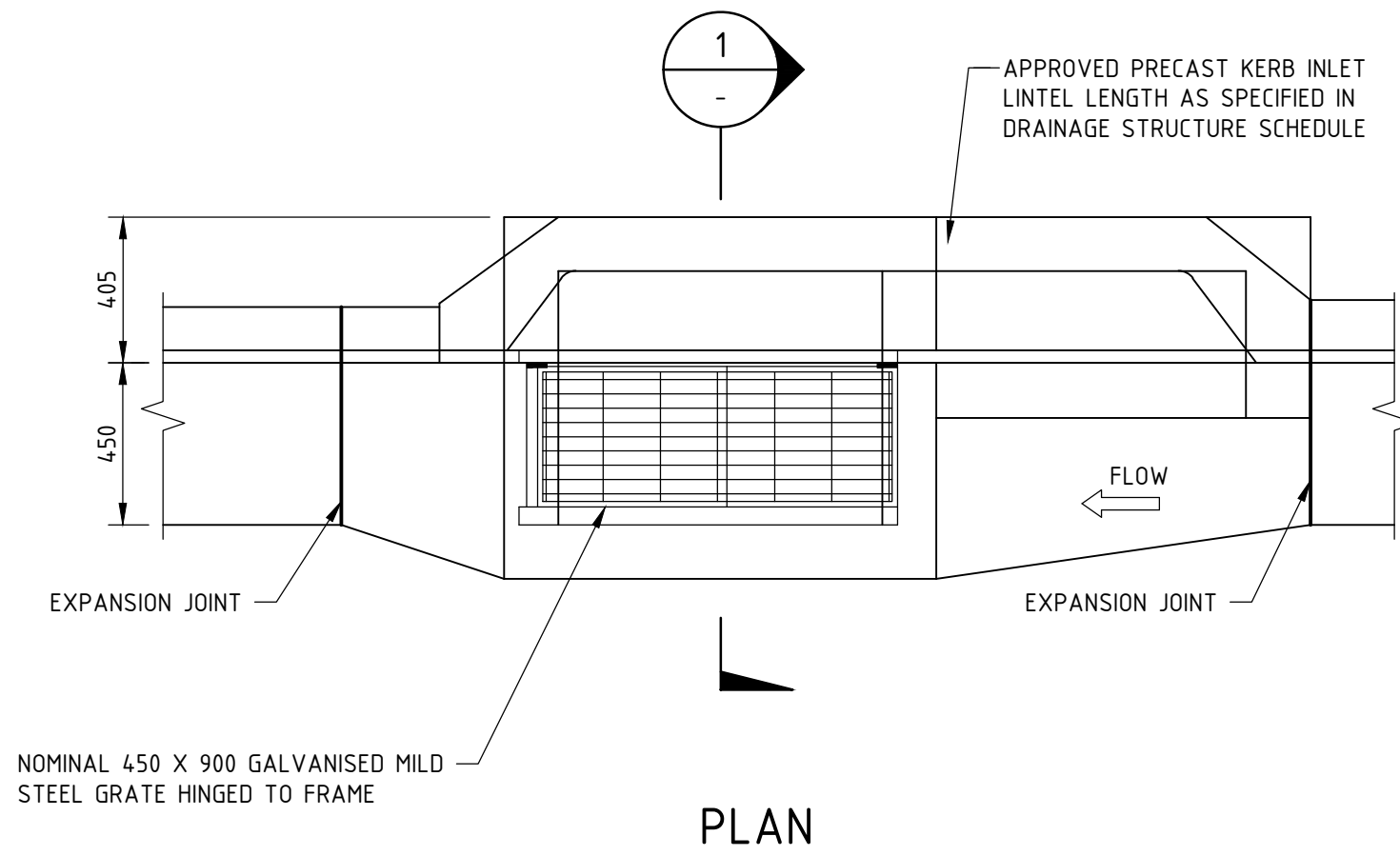
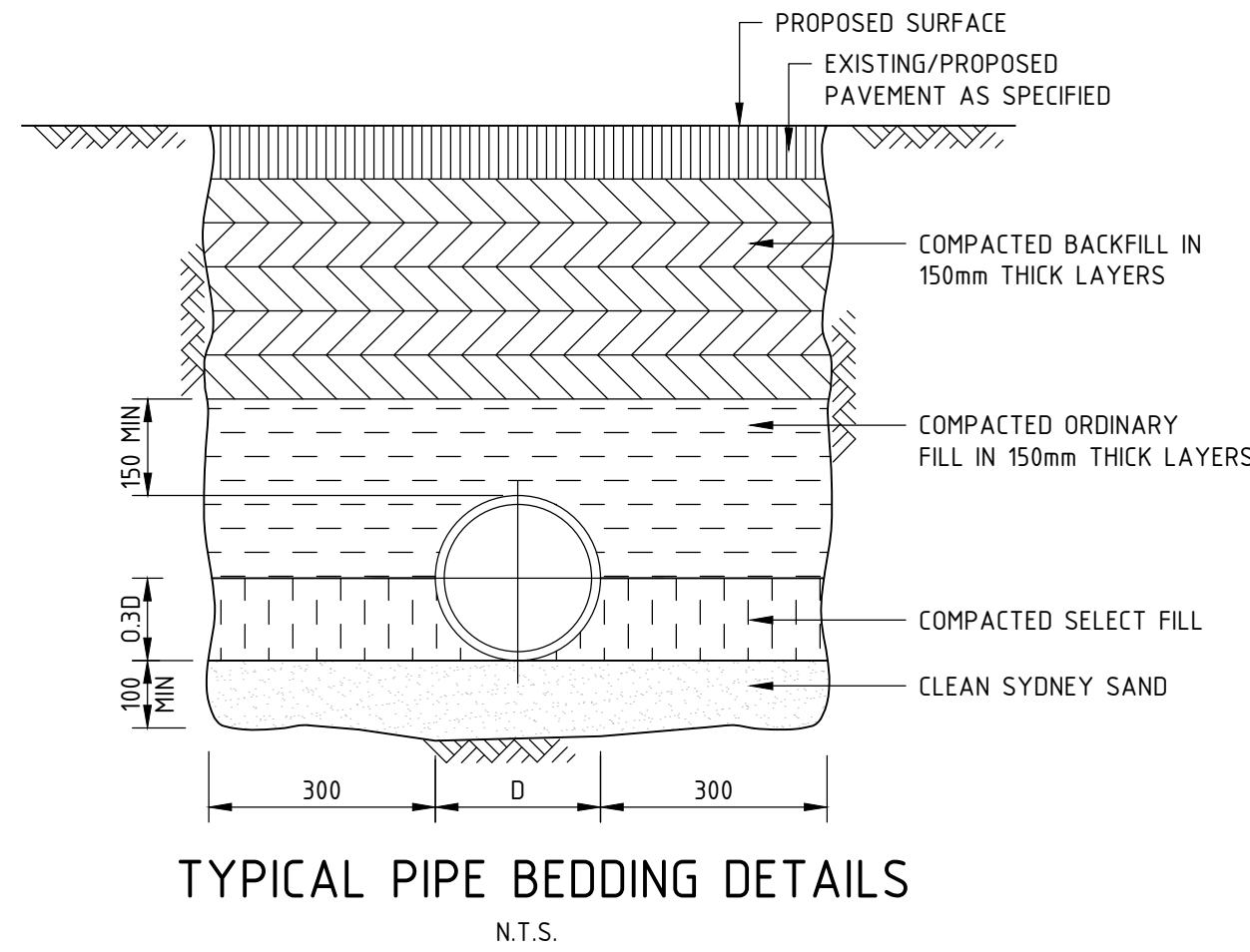
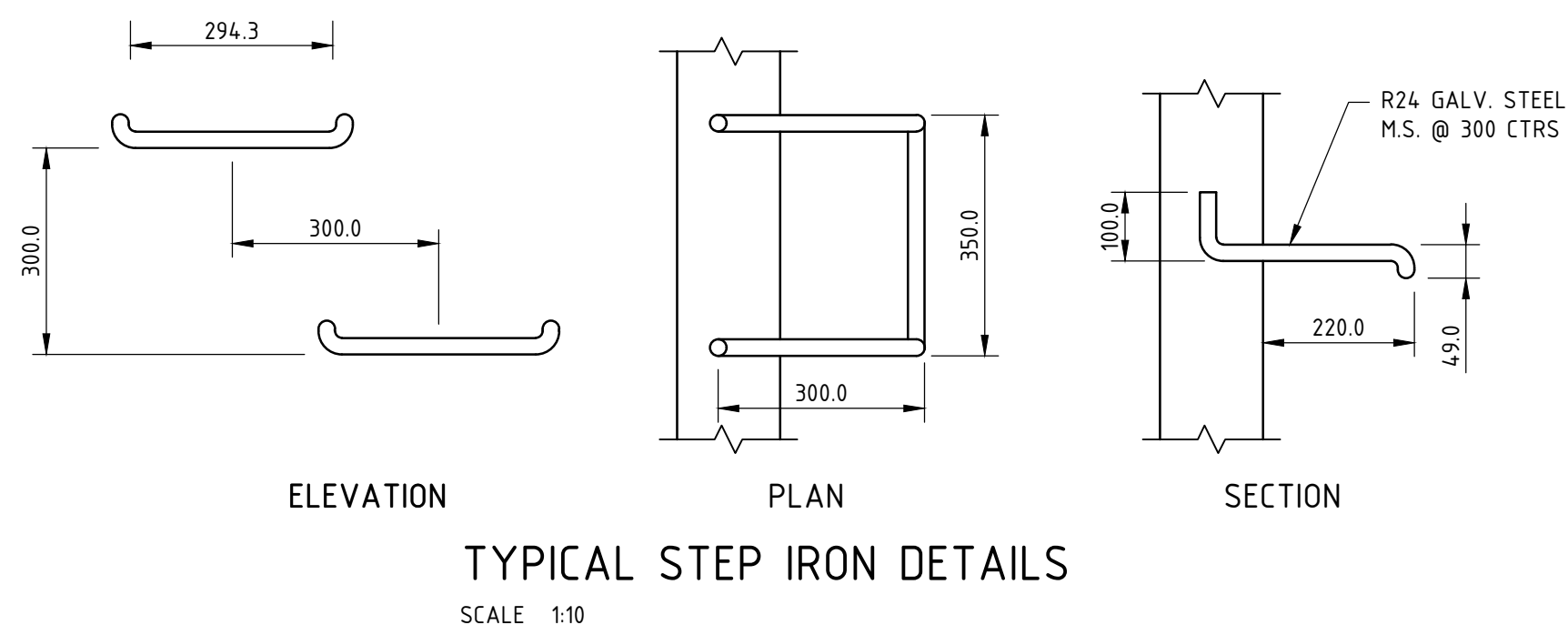
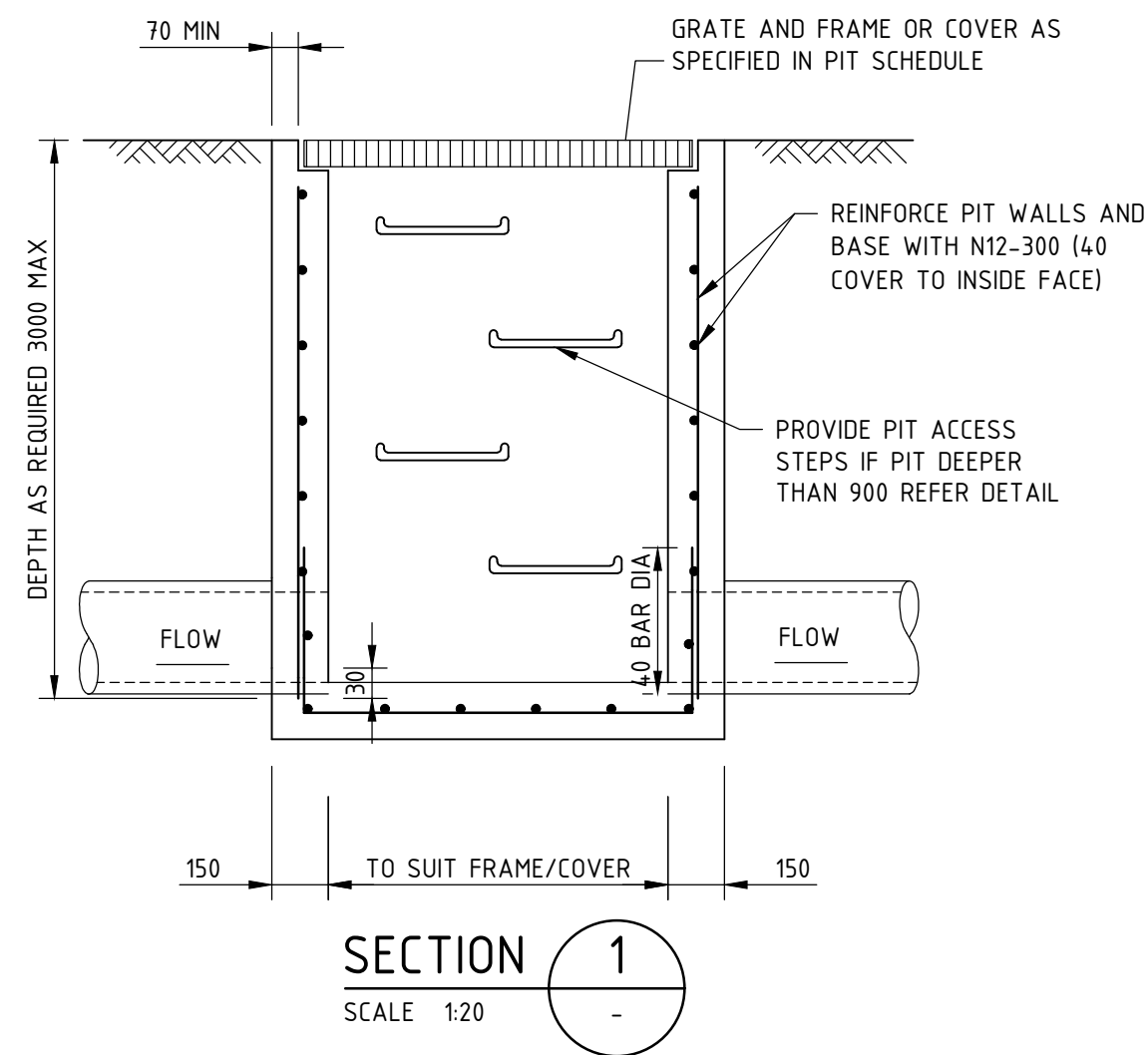
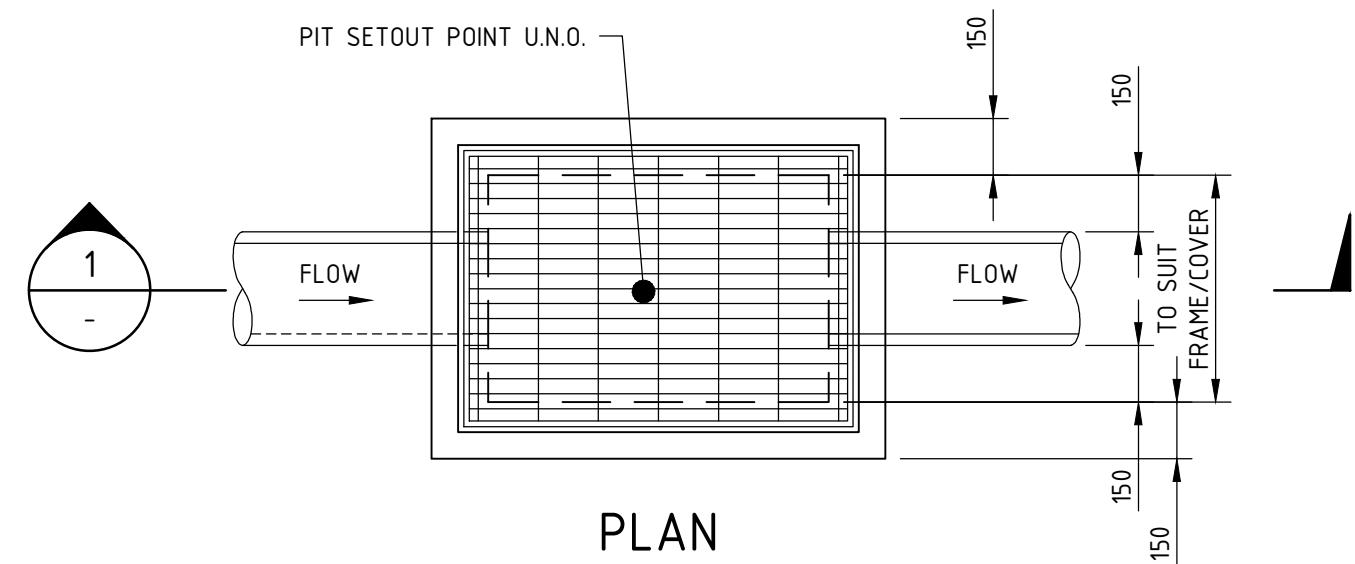
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NOT TO BE USED FOR CONSTRUCTION

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JL	AM	SH	
DATUM	GRID	SCALE	
AHD	MGA	1:750	AT A1 SIZE

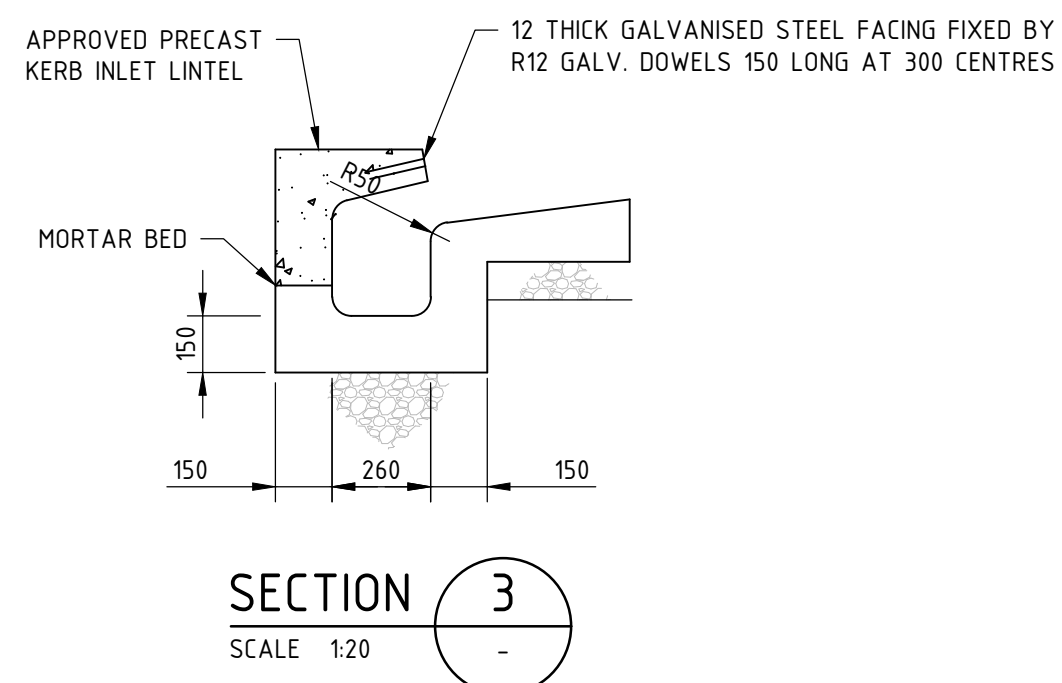
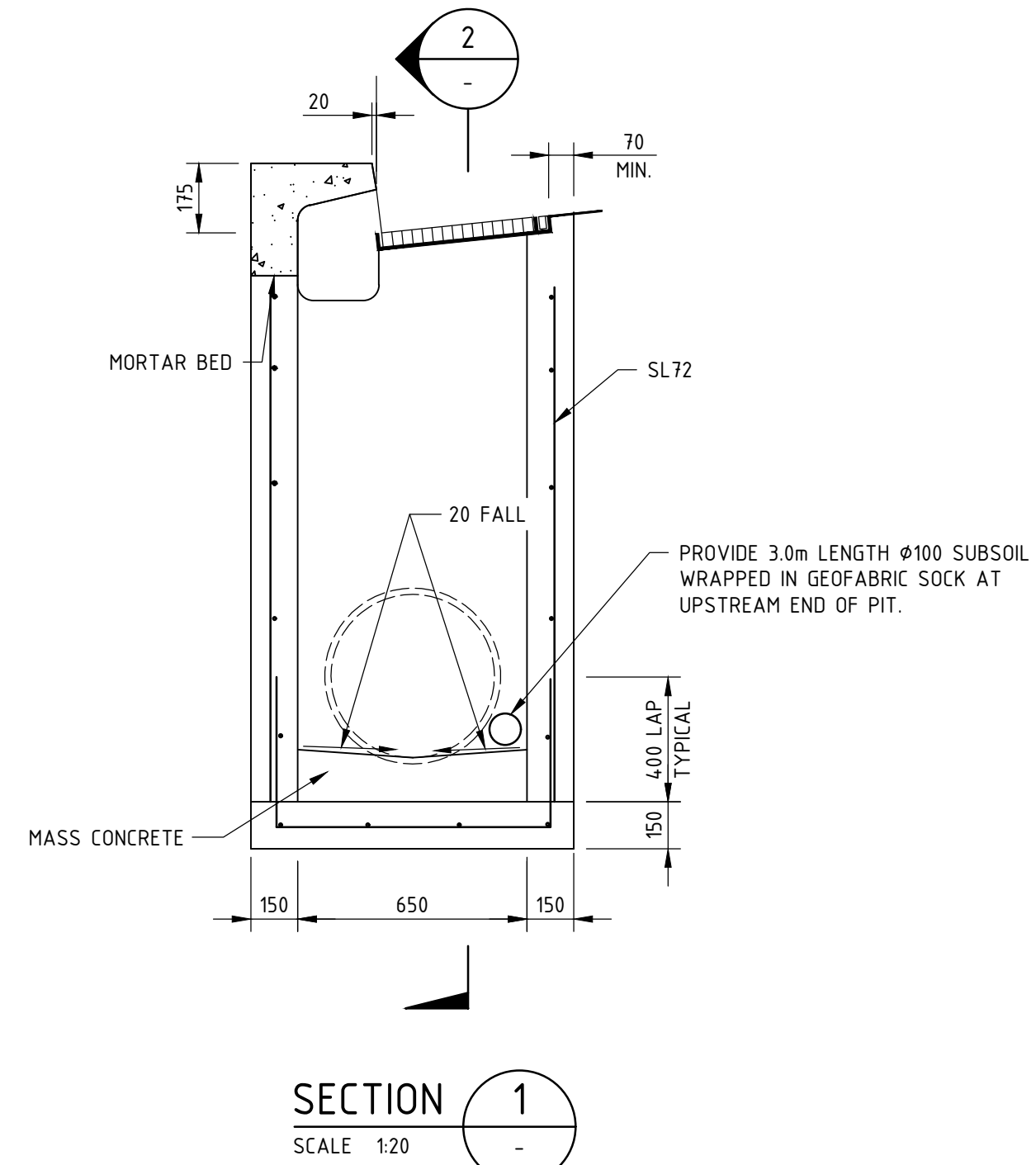
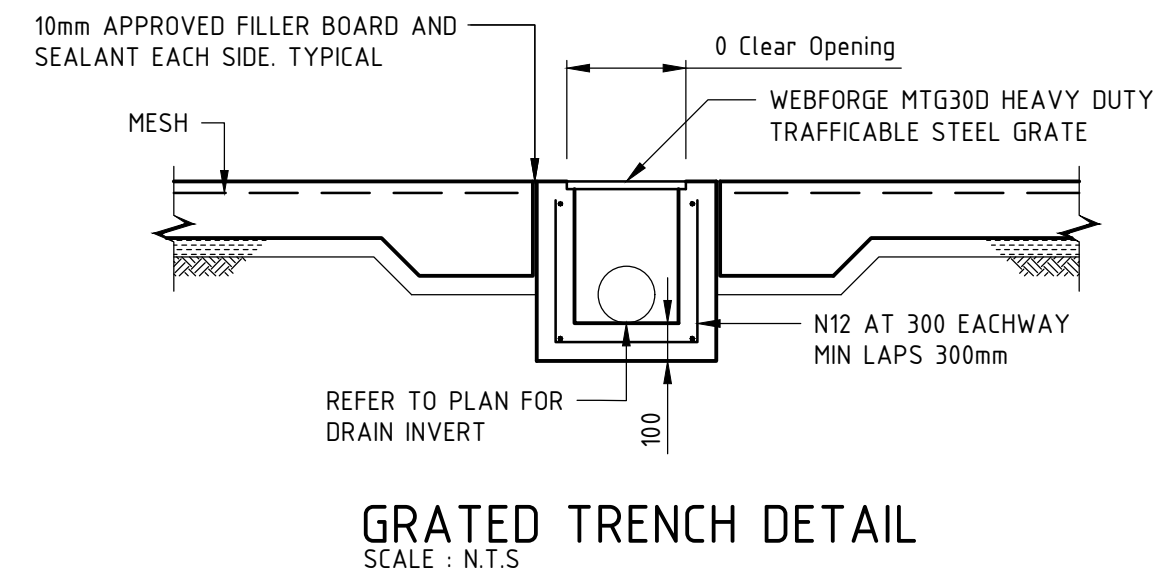
TITLE

MUSIC MODEL
CATCHMENT PLAN

PROJECT No. **S23153** DRAWING No. **DRG-CI-0300** REV. **D**



KERB INLET PIT TYPE "A" (PIPE SIZES $\leq 450 \phi$)
PROVIDE STEP IRONS FOR ALL PITS FOR PITS >1200 DEEP



REV	DATE	DESCRIPTION	REV	DATE	DESCRIPTION
D	21.10.2024	ISSUED FOR APPROVAL	AM		
C	12.04.2024	ISSUED FOR APPROVAL	AM		
B	15.09.2023	ISSUED FOR APPROVAL	AM		
A	25.08.2023	ISSUED FOR INFORMATION	AM		
REVISIONS			REVISIONS		

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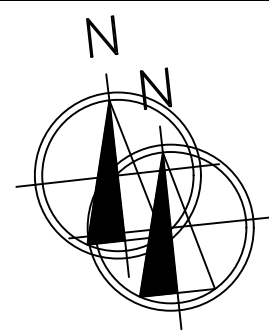
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PROJECT	1 GRAND AVENUE CAMELLIA, SYDNEY, 2142
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STATUS	ISSUED FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION
DRAWN	JL
DESIGNED	AM
CHECKED	SH
APPROVED	
DATUM	AHD
GRID	MGA
SCALE	AS SHOWN
AT	A1 SIZE

TITLE	DRAINAGE DETAILS
PROJECT No.	S23153
DRAWING No.	DRG-CI-0340
REV	D



LEGEND

- SITE BOUNDARY
- 96.00 EXISTING CONTOURS
- PROPOSED STORMWATER DRAINAGE PIT WITH GEOTEXTILE INLET FILTER
- STABILISED SITE ACCESS
- SEDIMENT FENCE
- SECURITY FENCE
- 4M WIDE SECURITY FENCE
- SUGGESTED TEMPORARY STOCKPILE LOCATION
- GROUND FLOOR ARCHITECTURAL
- MESH & GRAVEL INLET FILTER

EXISTING SERVICES

THE SERVICE LOCATIONS SHOWN HAVE BEEN OBTAINED BY SUPPLIED SURVEY AND SHOULD BE USED AS INDICATIVE ONLY. ALL SERVICE LOCATIONS SHOULD BE CONFIRMED BEFORE UNDERTAKING ANY WORKS IN THE AREA.

NOTES

- CONTRACTOR TO PROVIDE 'SANDBAG SEDIMENT TRAP' TO ALL PAVED / ROAD AREAS (BOTH PROPOSED AND EXISTING) IN ACCORDANCE WITH THE 'BLUE BOOK'.
- CONTRACTOR TO PROVIDE 'GEOTEXTILE INLET FILTER TRAPS' TO ALL STORMWATER DRAINAGE INLETS (BOTH PROPOSED AND EXISTING) IN ACCORDANCE WITH THE 'BLUE BOOK'.
- INSTALL AND MAINTAIN SANDBAG FILTERS ACROSS ALL PAVEMENT INTERFACES.

INSTALL AND MAINTAIN SEDIMENT FENCE INSTALLED ALONG DOWNSTREAM NORTH AND WESTERN SIDES OF THE SITE. (TYP)

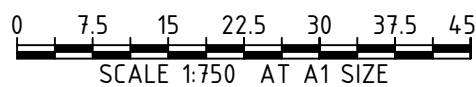
INSTALL AND MAINTAIN SECURITY FENCE AROUND SITE. INSTALL DUST CONTROL HESSIAN ALONG SECURITY FENCE (TYP)

INDICATIVE LOCATION OF SITE STOCKPILE (FINAL LOCATION TO BE DETERMINED ON SITE BY SUPERINTENDENT). INSTALL SEDIMENT FENCE TO DOWNSTREAM SIDE OF STOCKPILE. COVER STOCKPILE WHEN NOT IN USE

INDICATIVE LOCATION OF STABILISED SITE ACCESS (FINAL LOCATION TO BE DETERMINED ON SITE BY SUPERINTENDENT)

INSTALL AND MAINTAIN WIRE MESH AND GRAVEL SEDIMENT FILTERS TO ALL KERB INLET PITS (TYP)

INSTALL AND MAINTAIN SECURITY FENCE AROUND SITE. INSTALL DUST CONTROL HESSIAN ALONG SECURITY FENCE (TYP)



REV	DATE	DESCRIPTION	REV	DATE	DESCRIPTION
D	21.10.2024	ISSUED FOR APPROVAL	AM		
C	12.04.2024	ISSUED FOR APPROVAL	AM		
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A	25.08.2023	ISSUED FOR INFORMATION	AM		
REV	DATE	DESCRIPTION	RVD	REV	DATE
REVISIONS			REVISIONS		



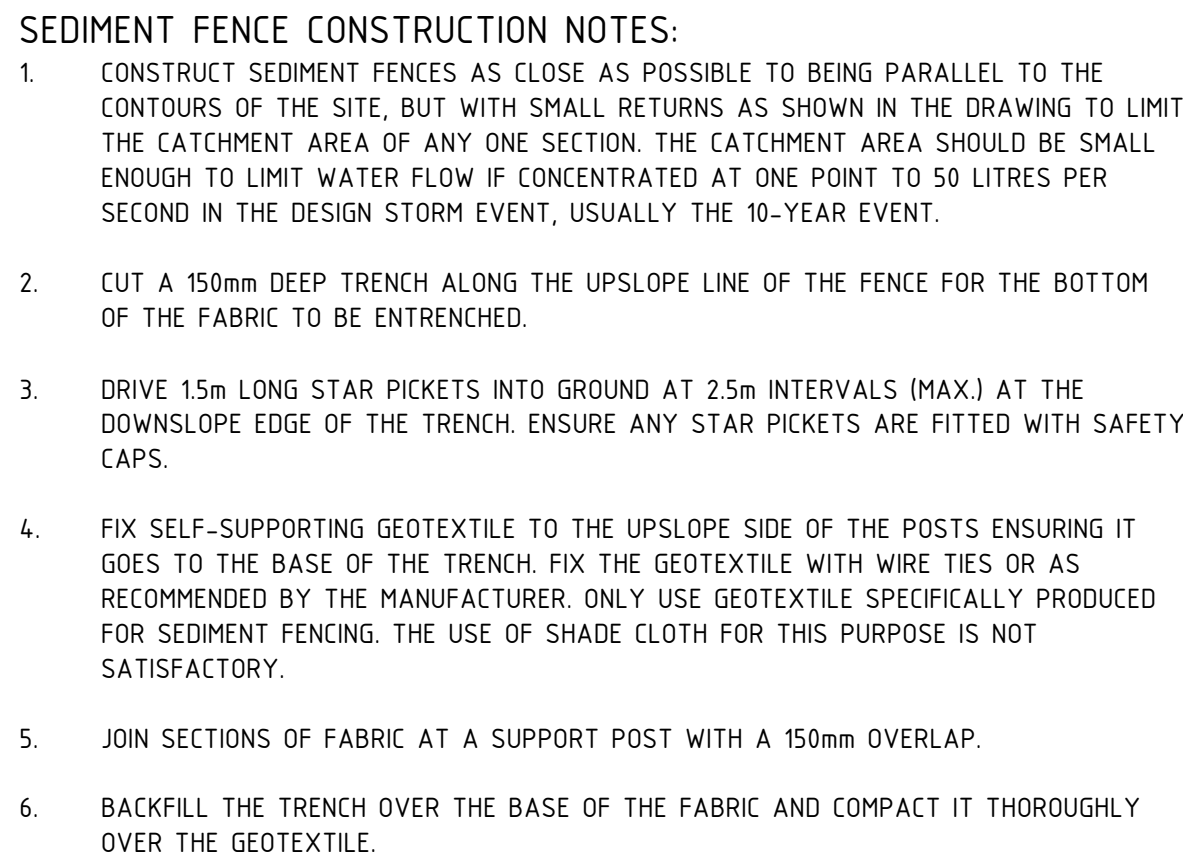
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JL	AM	SH	
DATUM	GRID	SCALE	
AHD	MGA	1:750	

EROSION AND SEDIMENT CONTROL PLAN			
PROJECT No.	DRAWING No.	REV	
S23153	DRG-CI-0700	D	



SCALE N.T.S.



1. BUILD WITH GRADIENTS BETWEEN 1% AND 5%.
2. AVOID REMOVING TREES AND SHRUBS IF POSSIBLE - WORK AROUND THEM.
3. ENSURE THE STRUCTURES ARE FREE OF PROJECTIONS OR OTHER IRREGULARITIES THAT COULD IMPEDE WATER FLOW.
4. BUILD THE DRAINS WITH CIRCULAR, PARABOLIC OR TRAPEZOIDAL CROSS-SECTIONS, NOT "V SHAPED."
5. ENSURE BANKS ARE PROPERLY COMPACTED TO PREVENT FAILURE.
6. COMPLETE PERMANENT OR TEMPORARY STABILISATION WITHIN 10 DAYS OF CONSTRUCTION.

SCALE N.T.S.



1. INSTALL FILTERS TO KERB INLETS ONLY AT SAG POINTS.
2. FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH LONGER THAN THE LENGTH OF THE INLET PIT AND FILL IT WITH 25mm TO 50mm GRAVEL.
3. FORM AN ELLIPTICAL CROSS-SECTION ABOUT 150mm HIGH x 400mm WIDE.
4. PLACE THE FILTER AT THE OPENING LEAVING AT LEAST A 100mm SPACE BETWEEN IT AND THE KERB INLET. MAINTAIN THE OPENING WITH SPACER BLOCKS.
5. FORM A SEAL WITH THE KERB TO PREVENT SEDIMENT BYPASSING THE FILTER.
6. SANDBAGS FILLED WITH GRAVEL CAN SUBSTITUTE FOR THE MESH OR GEOTEXTILE PROVIDING THEY ARE PLACED SO THAT THEY CAN FIRMLY ABUT EACH OTHER AND SEDIMENT-LOADED WATERS CANNOT PASS BETWEEN.

SCALE N.T.S



1. PLACE STOCKPILES MORE THAN 2 (PREFERABLY 5) METRES FROM EXISTING VEGETATION, CONCENTRATED WATER FLOW, ROADS AND HAZARD AREAS.
2. CONSTRUCT ON THE CONTOUR AS LOW, FLAT, ELONGATED MOUNDS.
3. WHERE THERE IS SUFFICIENT AREA, TOPSOIL STOCKPILES SHALL BE LESS THAN 2 METRES IN HEIGHT.
4. WHERE THEY ARE TO BE PLACED FOR MORE THAN 10 DAYS, STABILISE FOLLOWING THE APPROVED ESCP OR SWMP TO REDUCE THE C-FACTOR TO LESS THAN 0.10.
5. CONSTRUCT EARTH BANKS ON THE UPSLOPE SIDE TO DIVERT WATER AROUND STOCKPILES AND SEDIMENT FENCES 1 TO 2 METRES DOWNSLOPE.

SCALE N.T.S



1. FABRICATE A SEDIMENT BARRIER MADE FROM GEOTEXTILE OR STRAW BALES.
2. PICKET SPACING TO BE A MAXIMUM 1.0m CENTRES.
3. IN WATERWAYS, ARTIFICIAL SAG POINTS CAN BE CREATED WITH SANDBAGS OR EARTH BANKS AS SHOWN IN THE DRAWING.
4. DO NOT COVER THE INLET WITH GEOTEXTILES UNLESS THE DESIGN IS ADEQUATE TO ALLOW FOR ALL WATERS TO BYPASS IT.

SCALE N.T.S

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