

CIVIL ENGINEERING WORKS



GENERAL

GENERAL COVER SHEET AND DRAWING INDEX
GENERAL NOTES & LEGEND
GENERAL ARRANGEMENT PLAN

SITWORKS

SITEWORKS NOTES & LEGEND
SITEWORKS ALIGNMENT CONTROL AND GRADING PLAN
SITEWORKS ROAD LONGITUDINAL SECTIONS

EROSION AND SEDIMENT CONTROL

EROSION AND SEDIMENT CONTROL NOTES, LEGEND & DETAILS
EROSION AND SEDIMENT CONTROL PLAN

EARTHWORKS

EARTHWORKS CUT & FILL PLAN VOLUMES PLAN

STORMWATER

STORMWATER NOTES & LEGEND
STORMWATER CATCHMENT PLAN
STORMWATER DETAILS

PAVEMENT

PAVEMENT NOTES & LEGEND
PAVEMENT PLAN
PAVEMENT DETAILS SHEET 1
PAVEMENT DETAILS SHEET 2

[illegible]

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[illegible]

GENERAL

1. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORKS. ANY DISCREPANCIES TO BE REPORTED TO THE SUPERINTENDENT.
2. STRIP ALL TOPSOIL FROM THE CONSTRUCTION AREA. ALL STRIPPED TOPSOIL SHALL BE DISPOSED OF OFF-SITE UNLESS DIRECTED OTHERWISE.
3. MAKE SMOOTH CONNECTION WITH ALL EXISTING WORKS.
4. COMPACT SUBGRADE UNDER BUILDINGS AND PAVEMENTS TO MINIMUM 98% STANDARD MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.1.1. COMPACTION UNDER BUILDINGS TO EXTEND 2M MINIMUM BEYOND BUILDING FOOTPRINT.
5. ALL WORK ON PUBLIC PROPERTY, PROPERTY WHICH IS TO BECOME PUBLIC PROPERTY, OR ANY WORK WHICH IS TO COME UNDER THE CONTROL OF THE STATUTORY AUTHORITY: THE CONTRACTOR IS TO ENSURE THAT THE DRAWINGS USED FOR CONSTRUCTION HAVE BEEN APPROVED BY ALL RELEVANT AUTHORITIES PRIOR TO COMMENCEMENT SITE.
6. ALL WORK ON PUBLIC PROPERTY, PROPERTY WHICH IS TO BECOME PUBLIC PROPERTY, OR ANY WORK WHICH IS TO COME UNDER THE CONTROL OF THE STATUTORY AUTHORITY IS TO BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE RELEVANT AUTHORITY. THE CONTRACTOR SHALL OBTAIN THESE REQUIREMENTS FROM THE AUTHORITY. WHERE THE REQUIREMENTS OF THE AUTHORITY ARE DIFFERENT TO THE DRAWINGS AND SPECIFICATIONS, THE REQUIREMENTS OF THE AUTHORITY SHALL BE APPLICABLE.
7. FOR ALL TEMPORARY BATTERS REFER TO GEOTECHNICAL RECOMMENDATIONS.

REFERENCE DRAWINGS

1. THESE DRAWINGS HAVE BEEN BASED FROM, AND TO BE READ IN CONJUNCTION WITH THE FOLLOWING CONSULTANTS DRAWINGS. ANY CONFLICT TO THE DRAWINGS MUST BE NOTIFIED IMMEDIATELY TO THE ENGINEER.

CONSULTANT	DRAWING TITLE	DRAWING NUMBER	REVISION	DATE
STANTEC	PLAN SHOWING DETAIL, LEVELS & CONTOURS OVER SITE	3050-01644-1 00-001	09	05.12.2024
GREENBOX	SITE PLAN	A012	10	12.12.2025

BOUNDARIES AND EASEMENTS

1. THE PROPERTY BOUNDARY AND EASEMENT LOCATIONS SHOWN ON TAYLOR THOMSON WHITTING DRAWING'S HAVE BEEN BASED ON INFORMATION RECEIVED FROM : STANTEC
2. TAYLOR THOMSON WHITTING MAKES NO GUARANTEES THAT THE BOUNDARY OR EASEMENT INFORMATION SHOWN IS CORRECT. TAYLOR THOMSON WHITTING WILL ACCEPT NO LIABILITIES FOR BOUNDARY INACCURACIES. THE CONTRACTOR/BUILDER IS ADVISED TO CHECK/CONFIRM ALL BOUNDARIES IN RELATION TO ALL PROPOSED WORK PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. BOUNDARY INACCURACIES FOUND ARE TO BE REPORTED TO THE SUPERINTENDENT PRIOR TO CONSTRUCTION STARTING.

SURVEY

ORIGIN OF LEVELS:	CONTACT SURVEYOR
DATUM OF LEVELS:	AHD
COORDINATE SYSTEM:	MG2020
SURVEY PREPARED BY:	STANTEC
SETOUT POINTS:	CONTACT SURVEYOR

1. TAYLOR THOMSON WHITTING DOES NOT GUARANTEE THAT THE SURVEY INFORMATION SHOWN ON THESE DRAWINGS IS ACCURATE AND WILL ACCEPT NO LIABILITY FOR ANY INACCURACIES IN THE SURVEY INFORMATION PROVIDED TO US FROM ANY CAUSE WHATSOEVER.

UNDERGROUND SERVICES - WARNING

1. THE LOCATIONS OF UNDERGROUND SERVICES SHOWN ON TAYLOR THOMSON WHITTINGS DRAWINGS HAVE BEEN PLOTTED FROM DIAGRAMS PROVIDED BY SERVICE AUTHORITIES. THIS INFORMATION HAS BEEN PREPARED SOLELY FOR THE AUTHORITIES OWN USE AND MAY NOT NECESSARILY BE UPDATED OR ACCURATE.
2. THE POSITION OF SERVICES AS RECORDED BY THE AUTHORITY AT THE TIME OF INSTALLATION MAY NOT REFLECT CHANGES IN THE PHYSICAL ENVIRONMENT SUBSEQUENT TO INSTALLATION.
3. THE CONTRACTOR MUST CONFIRM THE EXACT LOCATION AND EXTENT OF SERVICES PRIOR TO CONSTRUCTION AND NOTIFY ANY CONFLICT WITH THE DRAWINGS IMMEDIATELY TO THE ENGINEER/SUPERINTENDENT.
4. THE CONTRACTOR IS TO GET APPROVAL FROM THE RELEVANT STATE SURVEY DEPARTMENT, TO REMOVE/ADJUST ANY SURVEY MARK. THIS INCLUDES BUT IS NOT LIMITED TO: STATE SURVEY MARKS (SSM), PERMANENT MARKS (PM), CADASTRAL REFERENCE MARKS OR ANY OTHER SURVEY MARK WHICH IS TO BE REMOVED OR ADJUSTED IN ANY WAY.
5. TAYLOR THOMSON WHITTING PLANS DO NOT INDICATE THE PRESENCE OF ANY SURVEY MARK. THE CONTRACTOR IS TO UNDERTAKE THEIR OWN SEARCH.

BEFORE YOU DIG AUSTRALIA (BYDA)

1. PUBLIC SERVICE UTILITY INFORMATION SHOWN ON PLAN HAS NOT BEEN COMPILED FROM INFORMATION RECEIVED FROM BEFORE YOU DIG AUSTRALIA INQUIRY. REFERENCE NUMBER 51900658 OBTAINED ON 19.12.2025 UNLESS SPECIFICALLY SHOWN OTHERWISE, THIS LOCATION AND DEPTH OF SERVICES SHOWN ON THIS PLAN HAVE NOT BEEN VERIFIED.
2. THE LOCATION OF SERVICES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED AS ACCURATELY AS POSSIBLE FROM DIAGRAMS PROVIDED BY SERVICE AUTHORITIES AND SHOULD BE CONFIRMED BY SITE INSPECTION.

CIVIL INSPECTION CERTIFICATES

THE FOLLOWING MUST BE PROVIDED BY THE CONTRACTOR A MINIMUM 2 WEEKS PRIOR TO THE REQUESTED DATE OF A CIVIL INSPECTION CERTIFICATE FOR OCCUPATION CERTIFICATE. SUBMISSIONS MUST BE PROVIDED PROGRESSIVELY AS WORKS ARE COMPLETED IN ACCORDANCE WITH THE CIVIL SPECIFICATION. THE PROGRAM MUST ALLOW ADEQUATE TIME FOR DEFECTS TO BE RECTIFIED SHOULD THIS BE REQUIRED.

1. NOTIFICATION THAT ALL CIVIL WORKS TO BE CERTIFIED HAVE BEEN COMPLETED TO ALLOW A FINAL INSPECTION TO BE UNDERTAKEN.
2. WRITTEN CONFIRMATION FROM THE CONTRACTOR THAT ALL CIVIL SITE INSPECTION REPORTS HAVE BEEN CLOSED OUT.
3. CCTV (INCLUDING WINCAN LOG OR EQUIVALENT) OF ALL CIVIL STORMWATER WORKS TO BE CERTIFIED.
4. WAE FROM A REGISTERED SURVEYOR (PDF & DWG) FOR ALL CIVIL STORMWATER TO BE CERTIFIED.
5. WAE FROM A REGISTERED SURVEYOR (PDF, DWG & 3D TIN) FOR ALL EXTERNAL CIVIL LEVELS TO BE CERTIFIED.
6. HEAD CONTRACTORS STATEMENT OF CONSTRUCTION COMPLIANCE.
7. HYDRAULIC CONTRACTORS INSTALLATION CERTIFICATE.
8. 3rd PARTY INSTALLATION CERTIFICATES FOR PROPRIETARY PRODUCTS AND/OR D&C ELEMENTS.
9. COMPACTION TEST RESULTS IN ACCORDANCE WITH THE CIVIL SPECIFICATION.
10. MATERIALS CERTIFICATES PRIOR TO INSTALLATION IN ACCORDANCE WITH THE CIVIL SPECIFICATION.
11. WRITTEN CONFIRMATION FROM TfNSW AND/OR COUNCIL CONFIRMING COMPLETION AND ACCEPTANCE OF S138 WORKS IF APPLICABLE.

SITE WORKS

1. ALL BASECOURSE MATERIAL TO COMPLY WITH RMS SPECIFICATION NO 3051 AND COMPACTED TO MINIMUM 98% MODIFIED MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1
2. ALL TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO THE SAME DENSITY AS THE ADJACENT MATERIAL.
3. ALL SERVICE TRENCHES UNDER VEHICULAR PAVEMENTS SHALL BE BACKFILLED WITH AN APPROVED SELECT MATERIAL AND COMPACTED TO A MINIMUM 98% MODIFIED MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1

PUBLIC DOMAIN WORKS

1. PUBLIC DOMAIN WORKS ARE NOT TO COMMENCE UNTIL THESE DRAWINGS ARE STAMPED AS APPROVED.

TENDER DOCUMENTATION

1. THESE DRAWINGS ARE PRELIMINARY DRAWINGS ISSUED FOR TENDER AS AN INDICATION OF THE EXTENT OF WORKS ONLY. THEY ARE NOT A COMPLETE CONSTRUCTION SET OF DRAWINGS.
2. TO DETERMINE THE FULL EXTENT OF WORK, THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS AND OTHER CONTRACT DOCUMENTS. ALLOW FOR ALL ITEMS SHOWN ON ARCHITECTURAL AND OTHER DRAWINGS AS NOT ALL ITEMS ARE SHOWN ON THE STRUCTURAL/CIVIL WORKS DRAWINGS.
3. SHOULD ANY AMBIGUITY, ERROR, OMISSIONS, DISCREPANCY, INCONSISTENCY OR OTHER FAULT EXIST OR SEEM TO EXIST IN THE DOCUMENTS, IMMEDIATELY NOTIFY IN WRITING TO THE ARCHITECT.
4. RATES SHOWN ON THE DRAWINGS ARE FOR THE FINAL STRUCTURE/CIVIL WORKS IN PLACE AND DO NOT ALLOW FOR ANY WASTAGE, ROLLING MARGINS, OVER SUPPLY OR FABRICATION REQUIREMENTS. ETC.

DESIGN AND CONSTRUCT DOCUMENTATION

1. THE LEVEL OF DETAIL DESIGN REFLECTED IN THESE DOCUMENTS IS BASED ON THE UNDERSTANDING THIS WILL BE BUILT AS PART OF A DESIGN & CONSTRUCT CONTRACT.
2. THE CONTRACTOR SHALL RETAIN THE RESPONSIBILITY TO UNDERTAKE DETAILED DESIGN, CONFIRM COMPLIANCE WITH RELEVANT STANDARDS, CONSENT CONDITIONS & THE SPECIFICATION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THE FINAL DESIGN IS CO-ORDINATED FULLY WITH OTHER CONSULTANTS.
4. NO VARIATION WILL BE ACCEPTED FOR DESIGN AMENDMENTS REQUIRED TO MEET THE FUNCTIONAL OBJECTIVE OF THIS DOCUMENTATION.

SAFETY IN DESIGN

CONTRACTOR TO REFER TO APPENDIX B OF THE CIVIL SPECIFICATION FOR THE CIVIL RISK AND SOLUTIONS REGISTER.

1. EXISTING SERVICES
CONTRACTOR TO BE AWARE EXISTING SERVICES ARE LOCATED WITHIN THE SITE. LOCATION OF ALL SERVICES TO BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING WORKS.
CONTRACTOR TO CONFIRM WITH RELEVANT AUTHORITY REGARDING MEASURES TO BE TAKEN TO ENSURE SERVICES ARE PROTECTED OR PROCEDURES ARE IN PLACE TO DEMOLISH AND/OR RELOCATE.
2. EXISTING STRUCTURES
CONTRACTOR TO BE AWARE EXISTING STRUCTURES MAY EXIST WITHIN THE SITE. TO PREVENT DAMAGE TO EXISTING STRUCTURE(S) AND/OR PERSONNEL, SITE WORKS TO BE CARRIED OUT AS FAR AS PRACTICALLY POSSIBLE FROM EXISTING STRUCTURE(S).
3. EXISTING TREES
CONTRACTOR TO BE AWARE EXISTING TREES EXIST WITHIN THE SITE WHICH NEED TO BE PROTECTED. TO PREVENT DAMAGE TO TREES AND/OR PERSONNEL, SITE WORKS TO BE CARRIED OUT AS FAR AS PRACTICALLY POSSIBLE FROM EXISTING TREES. ADVICE NEEDS TO BE SOUGHT FROM ARBORIST AND/OR LANDSCAPE ARCHITECT ON MEASURES REQUIRED TO PROTECT TREES.
4. GROUNDWATER
CONTRACTOR TO BE AWARE GROUND WATER LEVELS ARE CLOSE TO EXISTING SURFACE LEVEL. TEMPORARY DE-WATERING MAY BE REQUIRED DURING CONSTRUCTION WORKS.
5. EXCAVATIONS
DEEP EXCAVATIONS DUE TO STORMWATER DRAINAGE WORKS IS REQUIRED. CONTRACTOR TO ENSURE SAFE WORKING PROCEDURES ARE IN PLACE FOR WORKS. ALL EXCAVATIONS TO BE FENCED OFF AND BATTERS ADEQUATELY SUPPORTED TO APPROVAL OF GEOTECHNICAL ENGINEER.
6. GROUND CONDITIONS
CONTRACTOR TO BE AWARE OF THE SITE GEOTECHNICAL CONDITIONS. REFER TO GEOTECHNICAL REPORT BY
 - DOUGLAS PARTNERS
 - REPORT ON STAGE 1 & 2 - GEOTECHNICAL INVESTIGATION DATED 17/09/2025
7. HAZARDOUS MATERIALS
EXISTING ASBESTOS PRODUCTS & CONTAMINATED MATERIAL MAY BE PRESENT ON SITE. CONTRACTOR TO ENSURE ALL HAZARDOUS MATERIALS ARE IDENTIFIED PRIOR TO COMMENCING WORKS. SAFE WORKING PRACTICES AS PER RELEVANT AUTHORITY TO BE ADOPTED AND APPROPRIATE PPE TO BE USED WHEN HANDLING ALL HAZARDOUS MATERIALS. REFER TO GEOTECHNICAL/ENVIRONMENTAL REPORT BY

- DOUGLAS PARTNERS
- REPORT ON STAGE 1 & 2 - GEOTECHNICAL INVESTIGATION DATED 17/09/2025

8. **CONFINED SPACES**
CONTRACTOR TO BE AWARE OF POTENTIAL HAZARDS DUE TO WORKING IN CONFINED SPACES SUCH AS STORMWATER PITS, TRENCHES AND/OR TANKS. CONTRACTOR TO PROVIDE SAFE WORKING METHODS AND USE APPROPRIATE PPE WHEN ENTERING CONFINED SPACES.
9. **MANUAL HANDLING**
CONTRACTOR TO BE AWARE MANUAL HANDLING MAY BE REQUIRED DURING CONSTRUCTION. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ENSURE MANUAL HANDLING PROCEDURES AND ASSESSMENTS ARE IN PLACE PRIOR TO COMMENCING WORKS.
10. **WATER POLLUTION**
CONTRACTOR TO ENSURE APPROPRIATE MEASURES ARE TAKEN TO PREVENT POLLUTANTS FROM CONSTRUCTION WORKS CONTAMINATING THE SURROUNDING ENVIRONMENT.
11. **SITE ACCESSURE**
CONTRACTOR TO BE AWARE SITE WORKS OCCUR IN CLOSE PROXIMITY TO FOOTPATHS AND ROADWAYS. CONTRACTOR TO ERECT APPROPRIATE BARRIERS AND SIGNAGE TO PROTECT SITE PERSONNEL AND PUBLIC.
12. **VEHICLE MOVEMENT**
CONTRACTOR TO SUPPLY AND COMPLY WITH TRAFFIC MANAGEMENT PLAN AND PROVIDE ADEQUATE SITE TRAFFIC CONTROL INCLUDING A CERTIFIED TRAFFIC MARSHALL TO SUPERVISE VEHICLE MOVEMENTS WHERE NECESSARY.

BOUNDARIES

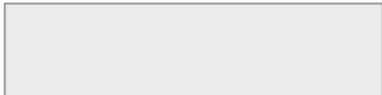
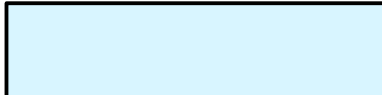
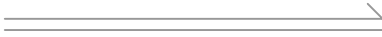
EXISTING REMOVED PROPOSED

----- SITE BOUNDARY -----

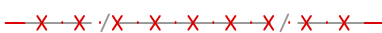
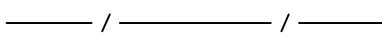
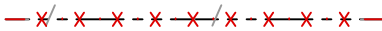
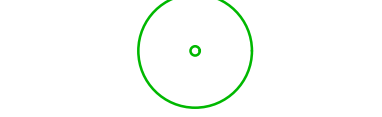
----- BLOCK BOUNDARY -----

----- BLOCK BOUNDARY EXTINGUISHED -----

BUILDINGS

EXISTING	REMOVED	PROPOSED	
			BUILDING ENVELOPE
			FUTURE BUILDING ENVELOPE
			BASEMENT OUTLINE
			BUILDING AWNING
			BUILDING DOUBLE DOOR ENTRY
			BUILDING SINGLE DOOR ENTRY
			BUILDING SLIDING DOOR ENTRY

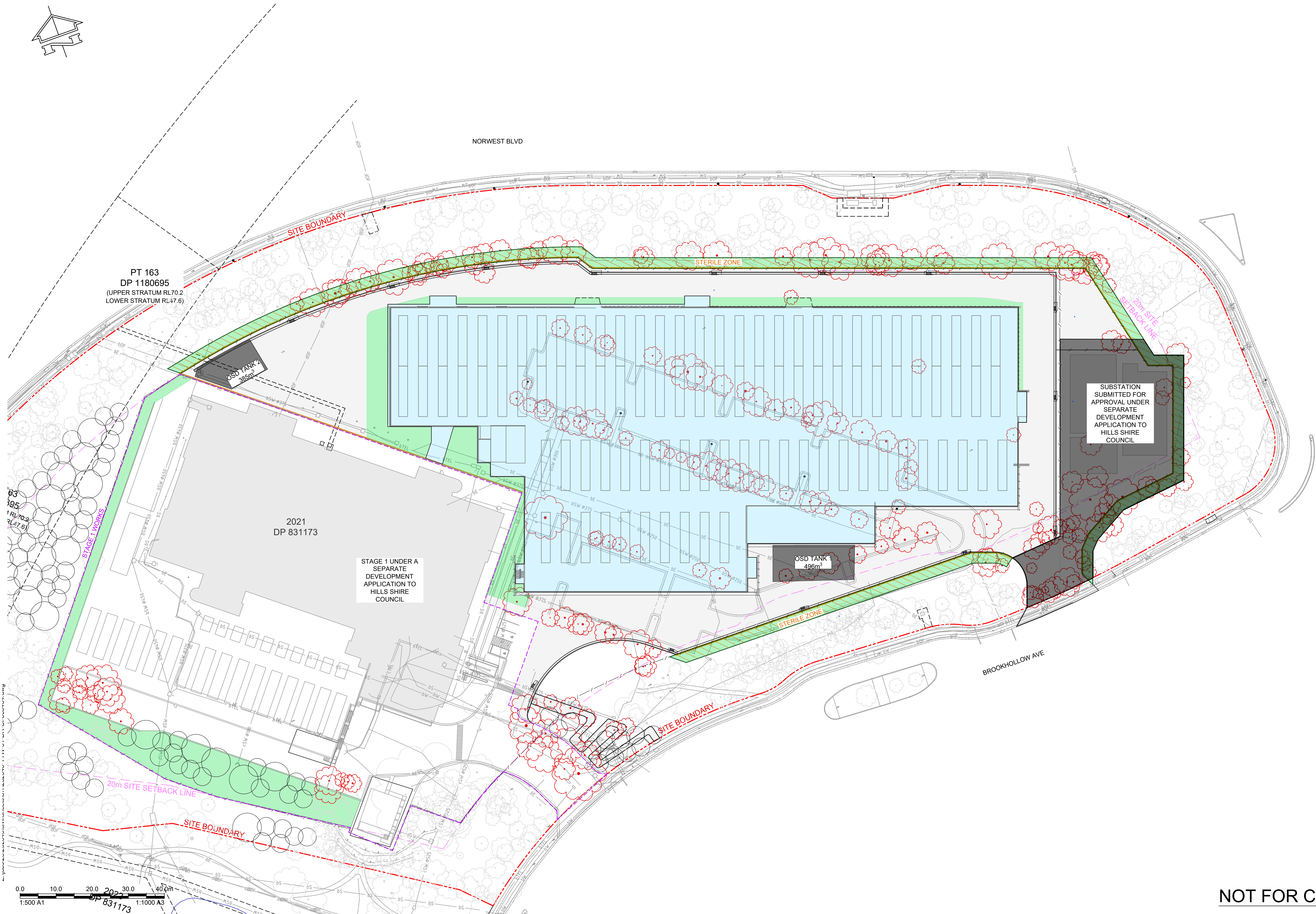
LANDSCAPE

EXISTING	REMOVED	PROPOSED	
			FENCE LINE
			FENCE LINE ON BOUNDARY
			PROPERTY ACCESS GATE
			TREES TREE REPRESENTATION MAY VARY BASED ON LANDSCAPE CONSULTANT OR SURVEY INFORMATION
			TREE PROTECTION ZONE
			STRUCTURAL ROOT ZONE
			PAVEMENT
			SOFT LANDSCAPE
			RETAINING WALL TYPE 1
			RETAINING WALL TYPE 2
			RETAINING WALL TYPE 3
			RETAINING WALL TYPE 4
			RETAINING WALL TYPE 5

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THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT NOTES AND LEGENDS

NOT FOR CONSTRUCTION

[illegible]



NOT FOR CONSTRUCTION

B ISSUE FOR SSDA		ANMCOY09.12.2025			
A ISSUED FOR REVIEW		ANMCOY27.11.2025			
Rev	Description	Eng Draft	Date	Rev	Description
		Eng Draft	Date		

Client:



Engineer:



www.ttweengineers.com

Project:
GREEN SQUARE DC
3 BROOKHOLLOW AVE
BAULKHAM HILLS
NSW 2153

Drawing Title:
GENERAL
ARRANGEMENT PLAN

Scale at A1		Drawn	Designed	Approved
1:500		COY	JLO	AM
Project	Stage	Discipline	Company	File Type
SYD1-ST200-CE-TTW-DRG-X-00-000404B				
19.12.2025	10:51 AM			

ALIGNMENT

CONTROL LINE



STRING NOTATION



ROAD ALIGNMENT CONTROL 1



KERB RETURN CONTROL 1



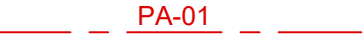
DRIVEWAY CENTER CONTROL 1



DRIVEWAY LEFT EDGE CONTROL 1



DRIVEWAY RIGHT RIGHT CONTROL 1



PATH CONTROL 1



RETAINING WALL CONTROL 1



NOISE WALL CONTROL 1



OPEN DRAINAGE CHANNEL CONTROL 1

GEOMETRIC ANNOTATIONS

CH CHAINAGE

TP TANGENTIAL POINT

R RADIUS

RL REDUCE LEVEL

eRL EXISTING REDUCED LEVEL

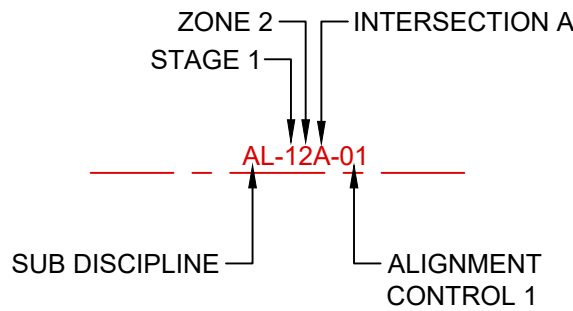
FFL FINISHED FLOOR LEVEL

TOW TOP OF WALL LEVEL

BOW BOTTOM OF WALL LEVEL

NOTE

GEOMETRY NOTES AND LEGEND IS TO BE READ IN CONJUNCTION WITH GENERAL NOTES AND LEGEND. REFER DRAWING No. 00003



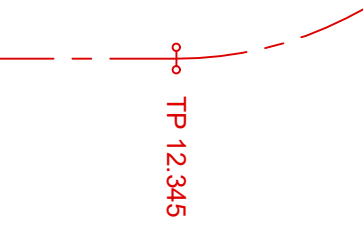
SAMPLE STRING NAMING FOR STAGED PROJECTS

HORIZONTAL GEOMETRY

CONTROL LINE



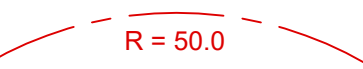
STRING NOTATION



TANGENTIAL POINT DUMBELL AT 12.345m



CHAINAGE TICK AT 10.0m



RADIUS IS EQUAL TO 50.0m

SURFACE

EXISTING



PROPOSED



CONTOUR



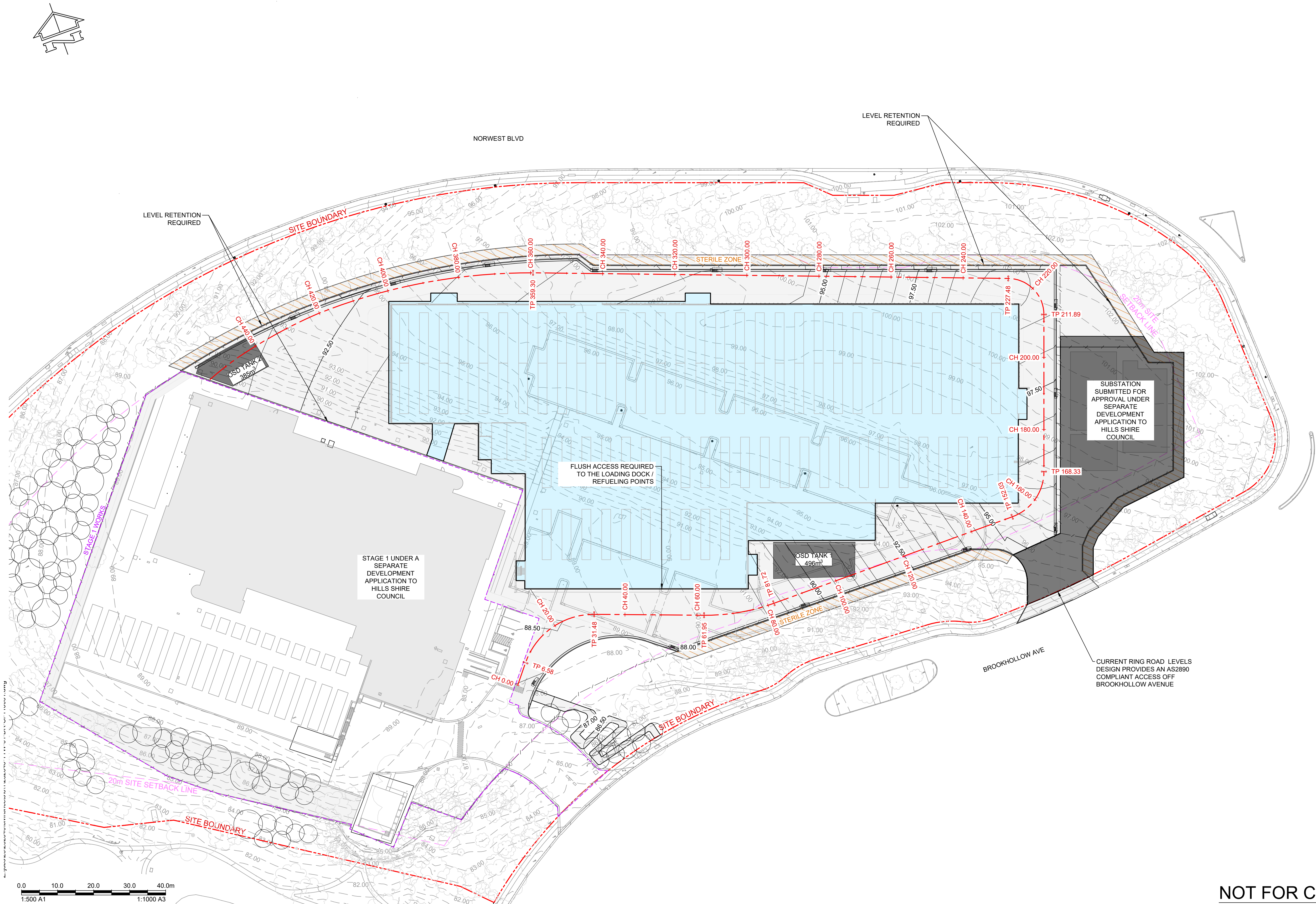
SPOT LEVEL



2.0% CROSS FALL GRADE ARROW

NOT FOR CONSTRUCTION

			Client:			Engineer:			Project:			Drawing Title:		
									GREEN SQUARE DC 3 BROOKHOLLOW AVE BAULKHAM HILLS NSW 2153			SITeworks NOTES & LEGEND		
												Scale at A1		
												Drawn		
												AS SHOWN		
												COY		
												JLO		
												AM		
												Project		
												Stage		
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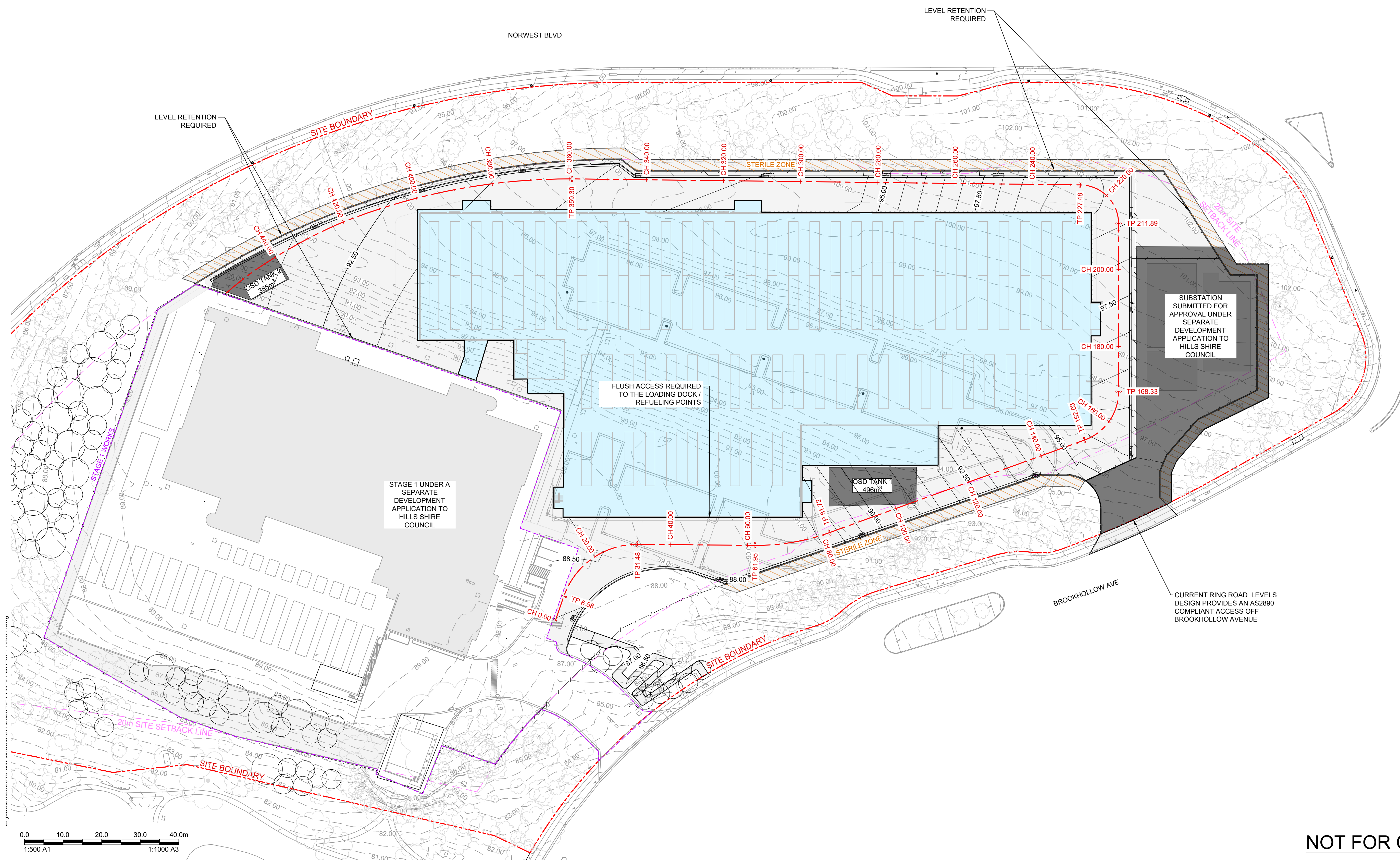
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B	ISSUED FOR REVIEW		ANMCOY 27.11.2025								
A	CONCEPT DESIGN		AM COY 10.09.2025								



Project:
GREEN SQUARE DC
3 BROOKHOLLOW AVE
BAULKHAM HILLS
NSW 2153

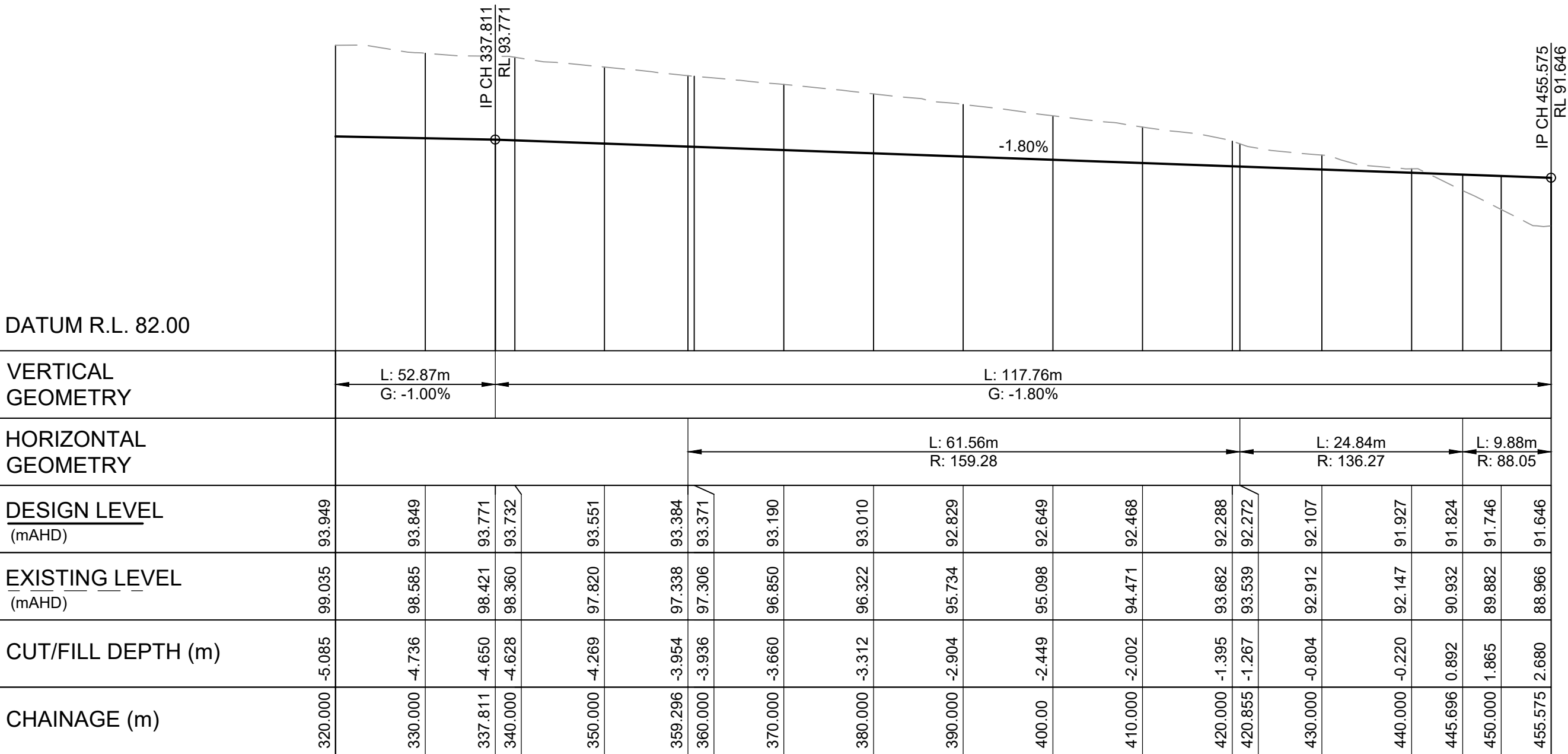
Drawing Title:
SITWORKS
ALIGNMENT CONTROL
AND GRADING PLAN

Project	Stage	Discipline	Company	File Type	Big	Level	Sheet No.	Rev
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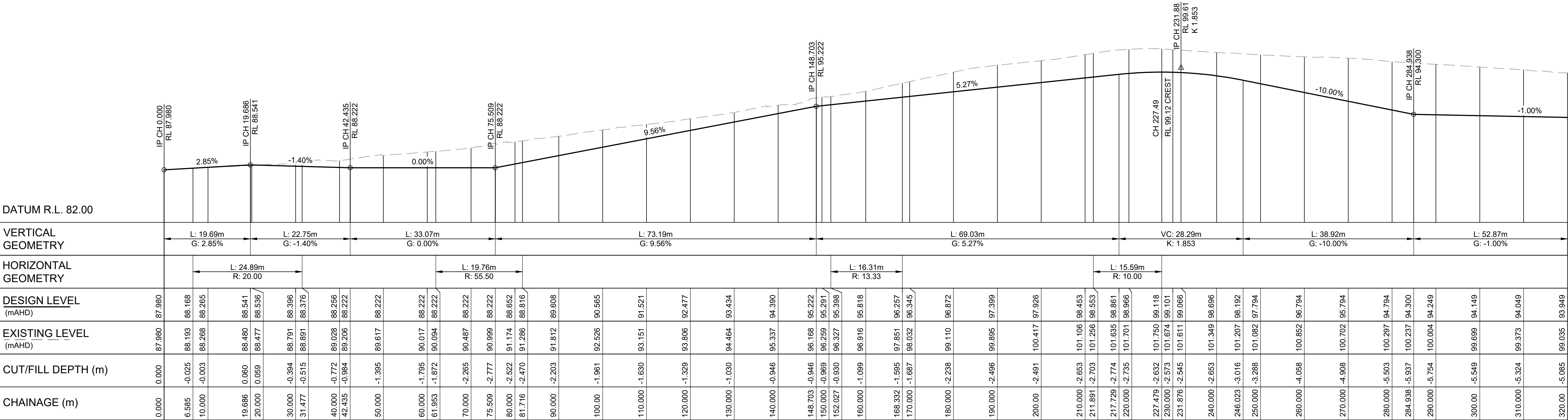
NOT FOR CONSTRUCTION

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LONGITUDINAL SECTION ALGN - Stage 2 Ring Road

SCALES: HORIZONTAL 1:500 VERTICAL 1:250

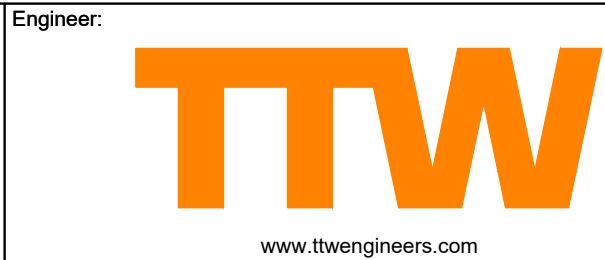


LONGITUDINAL SECTION ALGN - Stage 2 Ring Road

SCALES: HORIZONTAL 1:500 VERTICAL 1:250

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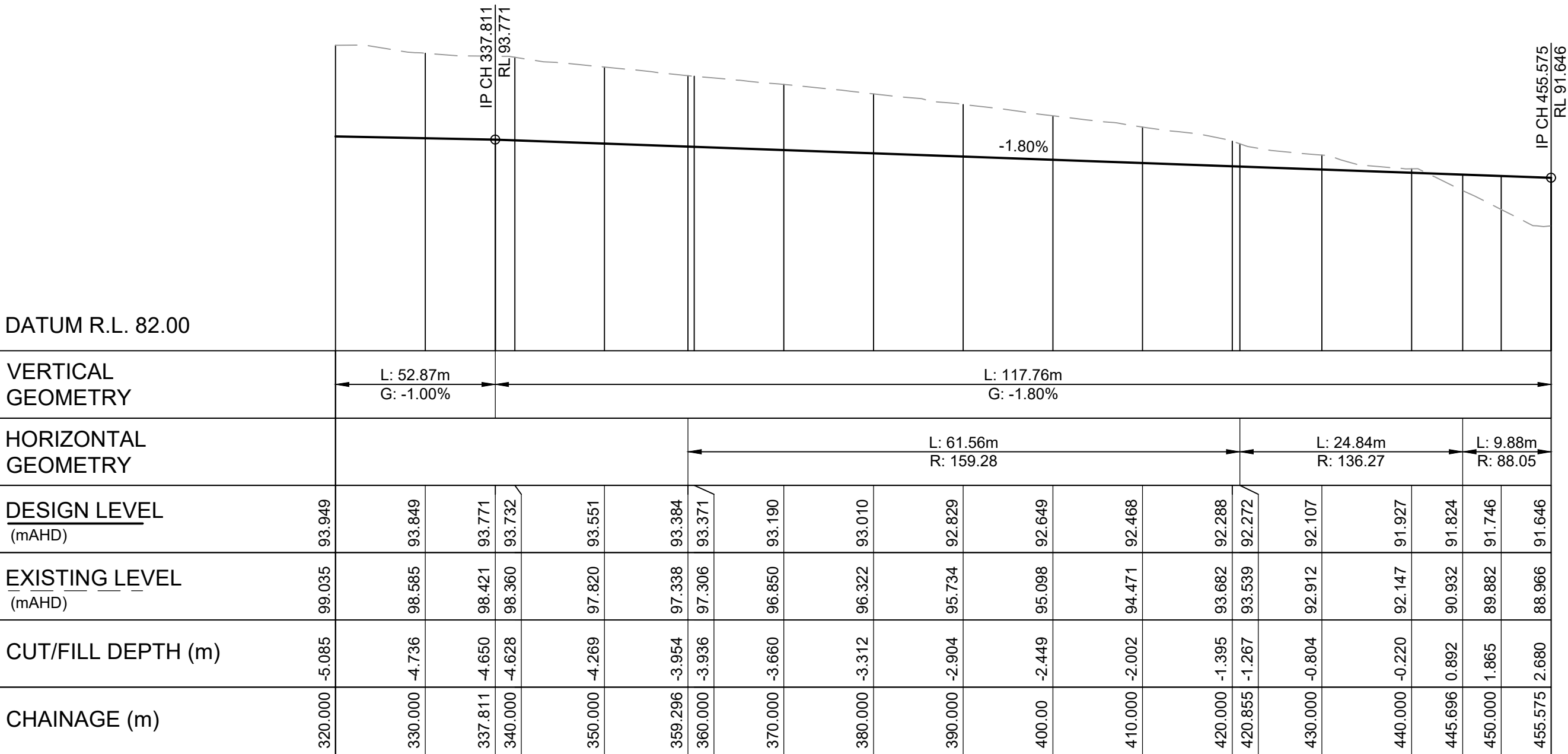
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A	ISSUED FOR REVIEW	ANMCOY27.11.2025			
Rev	Description	Eng Draft	Date	Rev	Description



Project:
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3 BROOKHOLLOW AVE
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NSW 2153

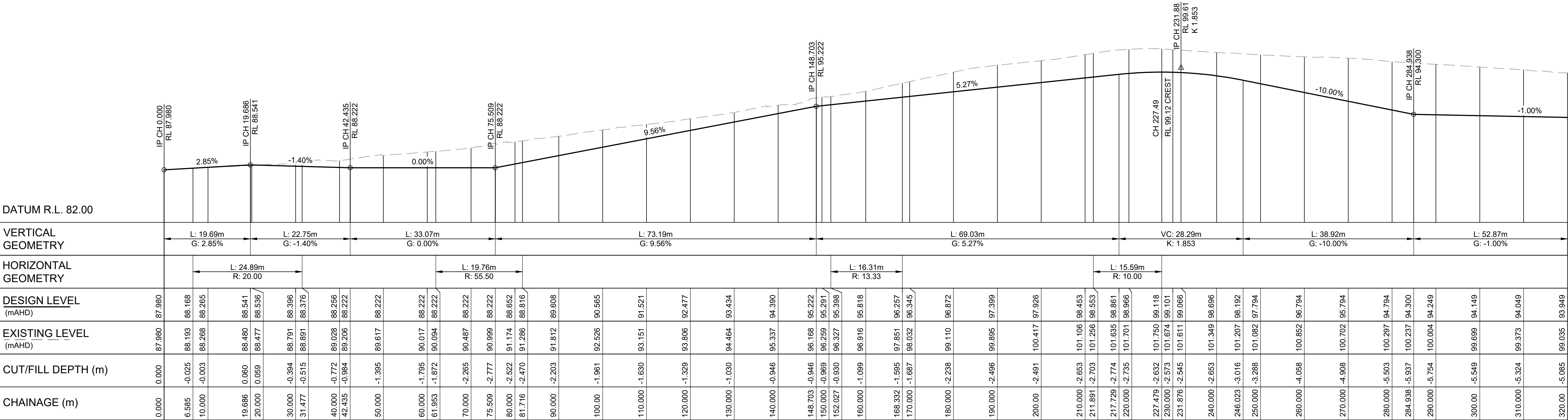
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SITWORKS
ROAD LONGITUDINAL
SECTIONS
SHEET 3

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File Type	Blg	Level	Sheet No.
Rev			
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LONGITUDINAL SECTION ALGN - Stage 2 Ring Road

SCALES: HORIZONTAL 1:500 VERTICAL 1:250

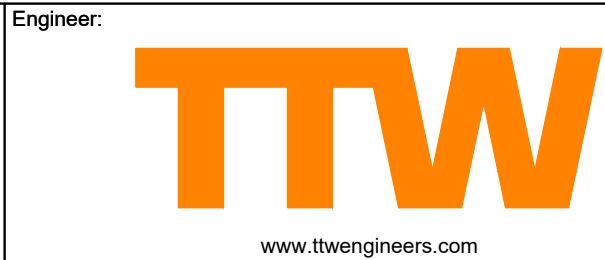


LONGITUDINAL SECTION ALGN - Stage 2 Ring Road

SCALES: HORIZONTAL 1:500 VERTICAL 1:250

NOT FOR CONSTRUCTION

B	ISSUE FOR SSDA	ANMCOY 19.12.2025			
A	ISSUED FOR REVIEW	ANMCOY 27.11.2025			
Rev	Description	Eng	Draft	Date	



Project:
GREEN SQUARE DC
3 BROOKHOLLOW AVE
BAULKHAM HILLS
NSW 2153

Drawing Title:
SITEWORKS
ROAD LONGITUDINAL
SECTIONS
SHEET 3

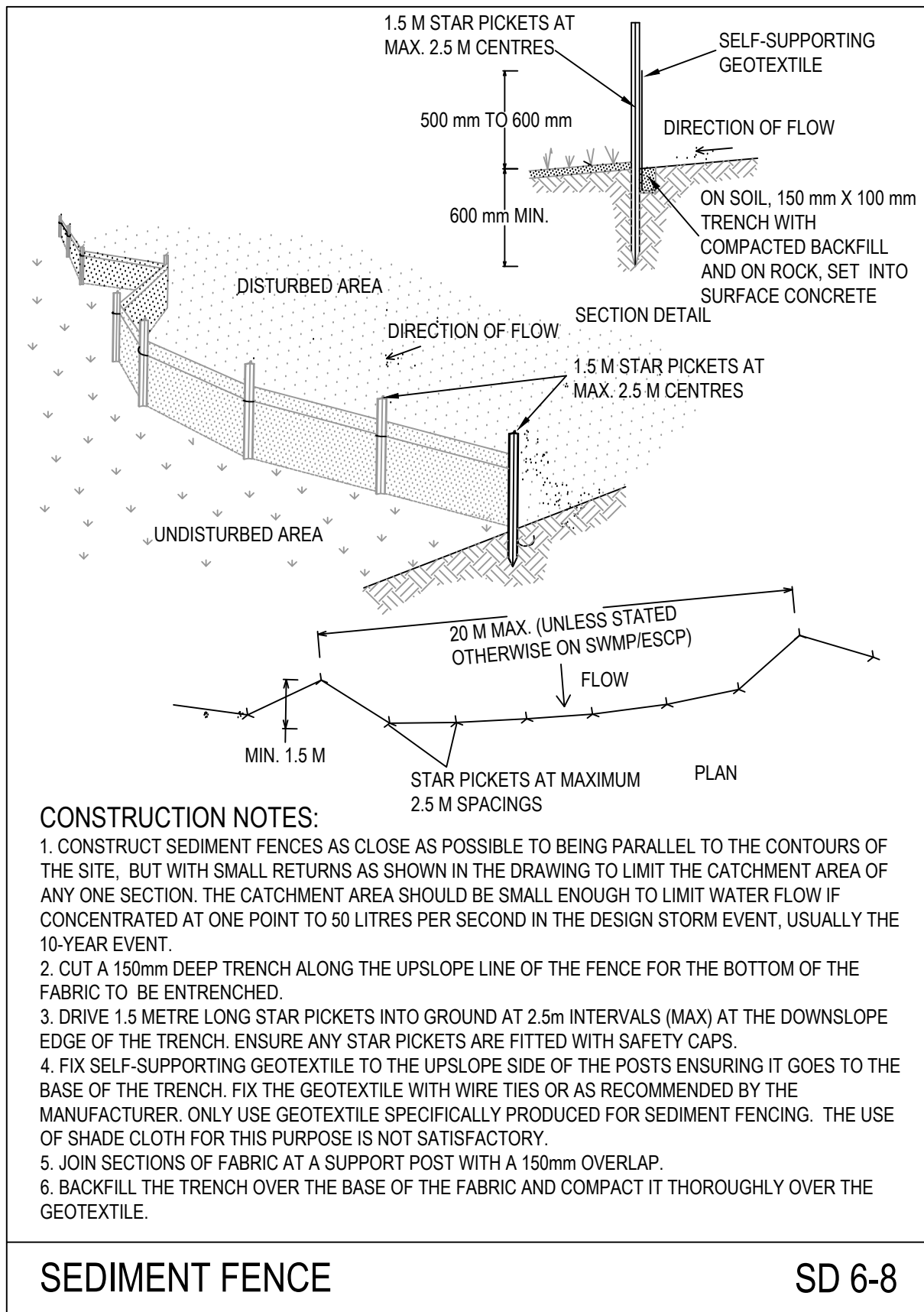
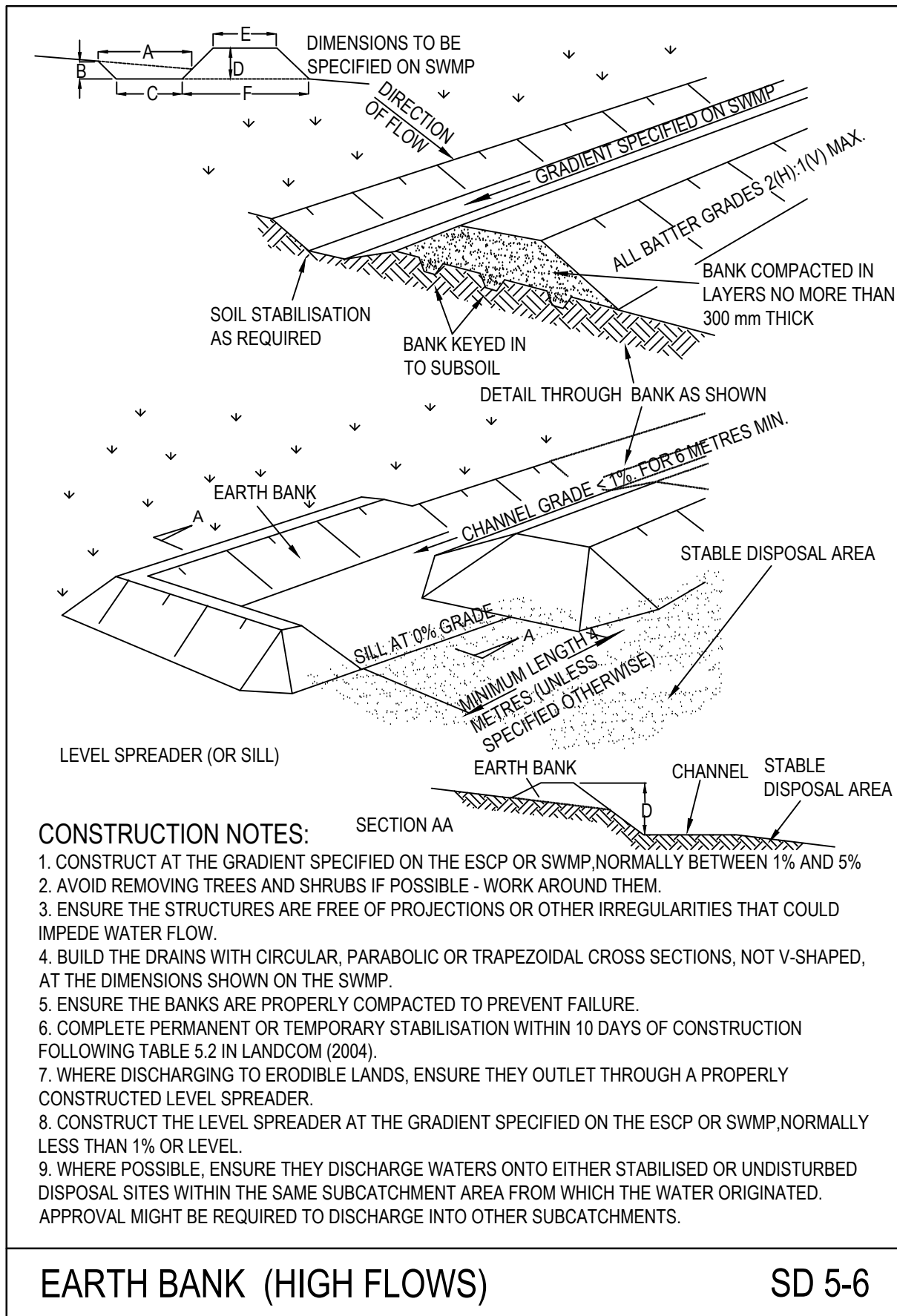
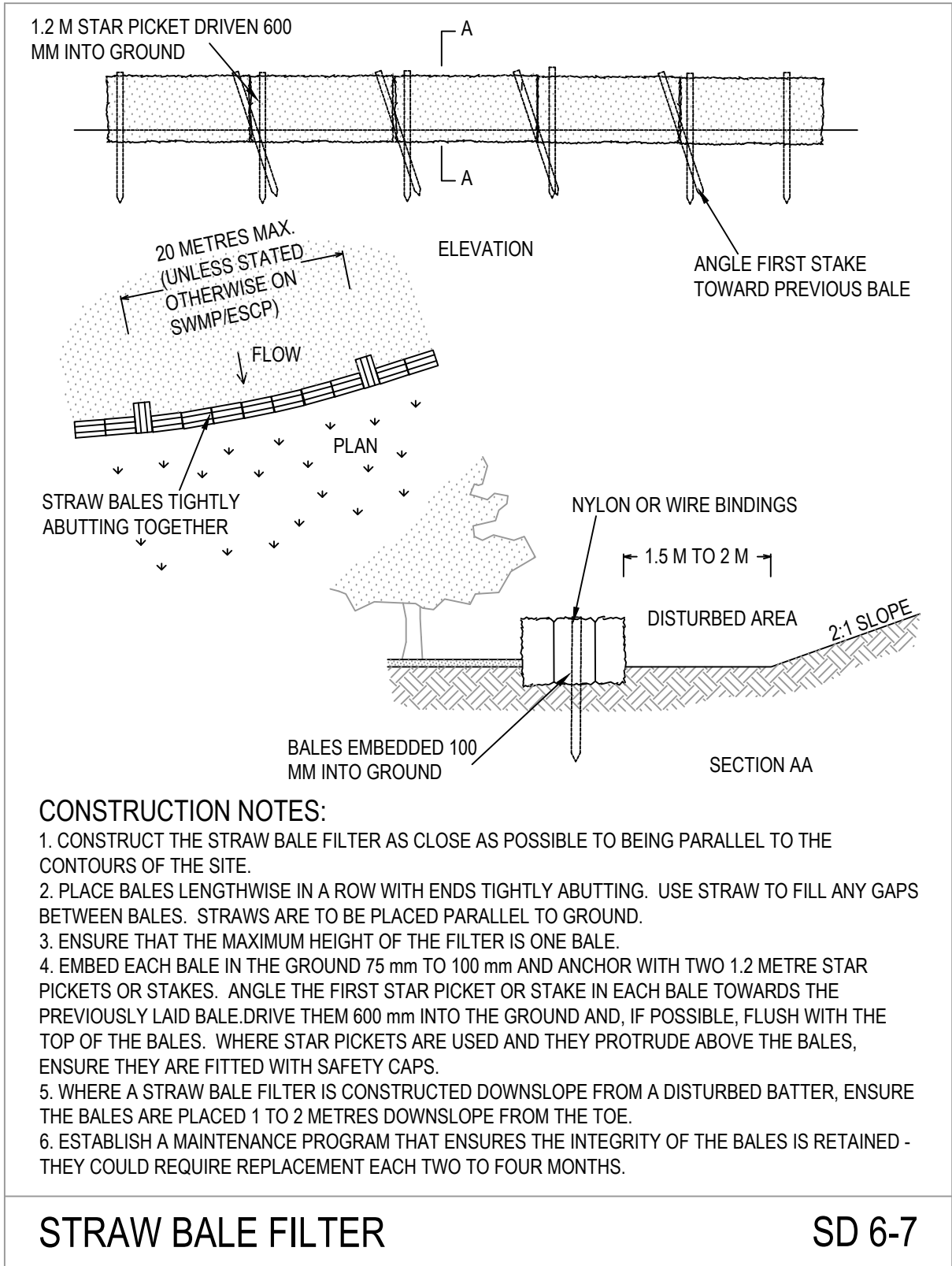
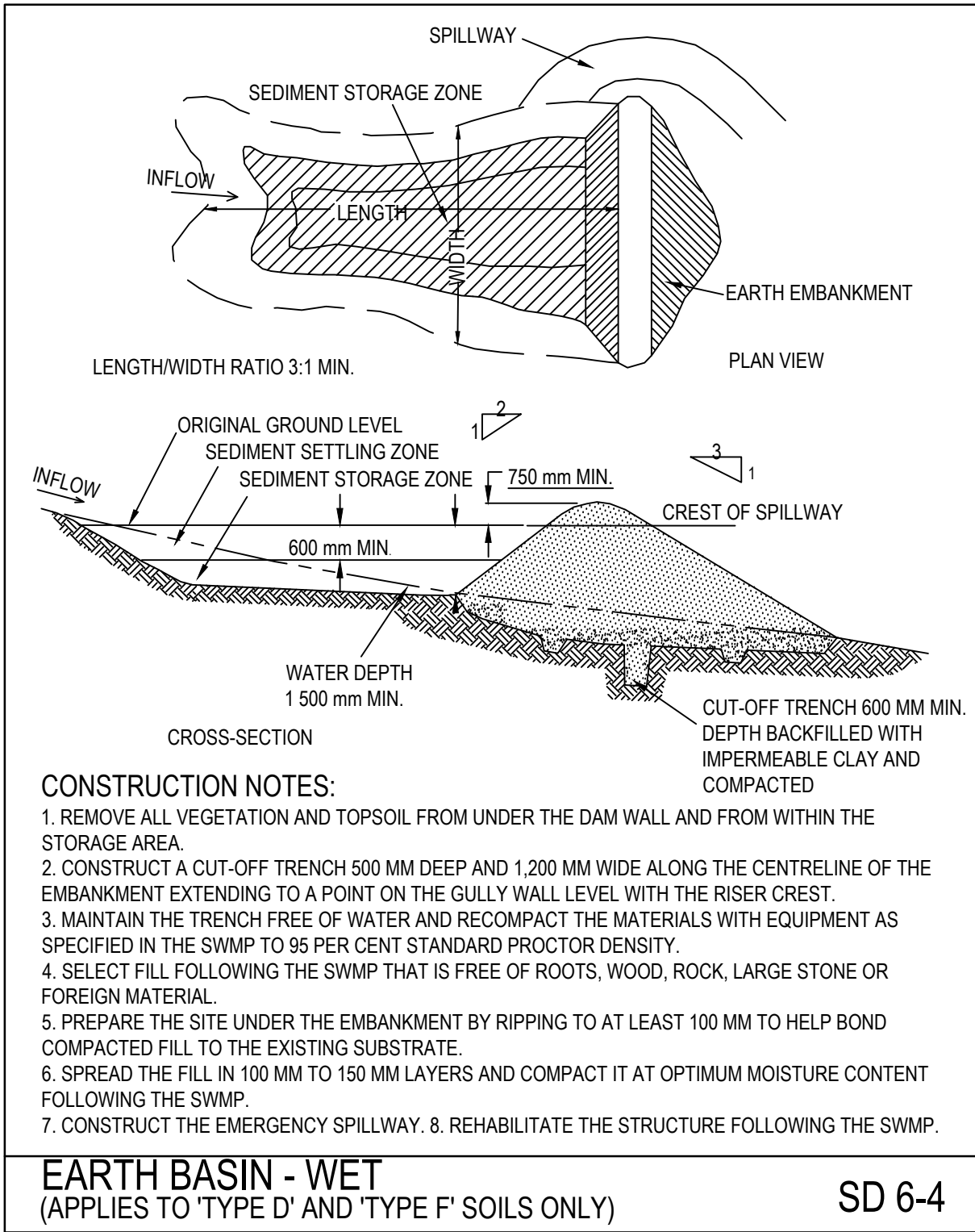
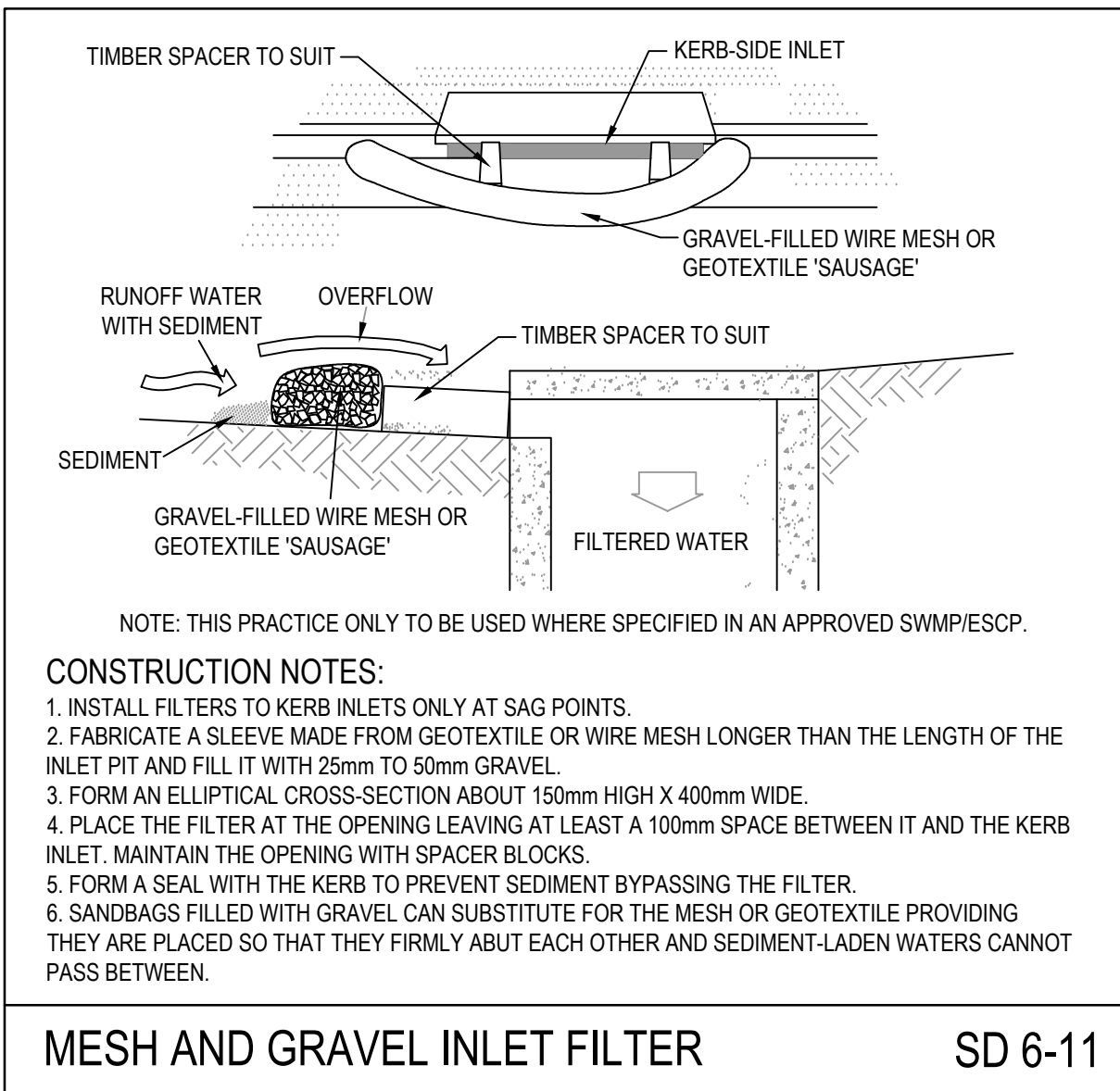
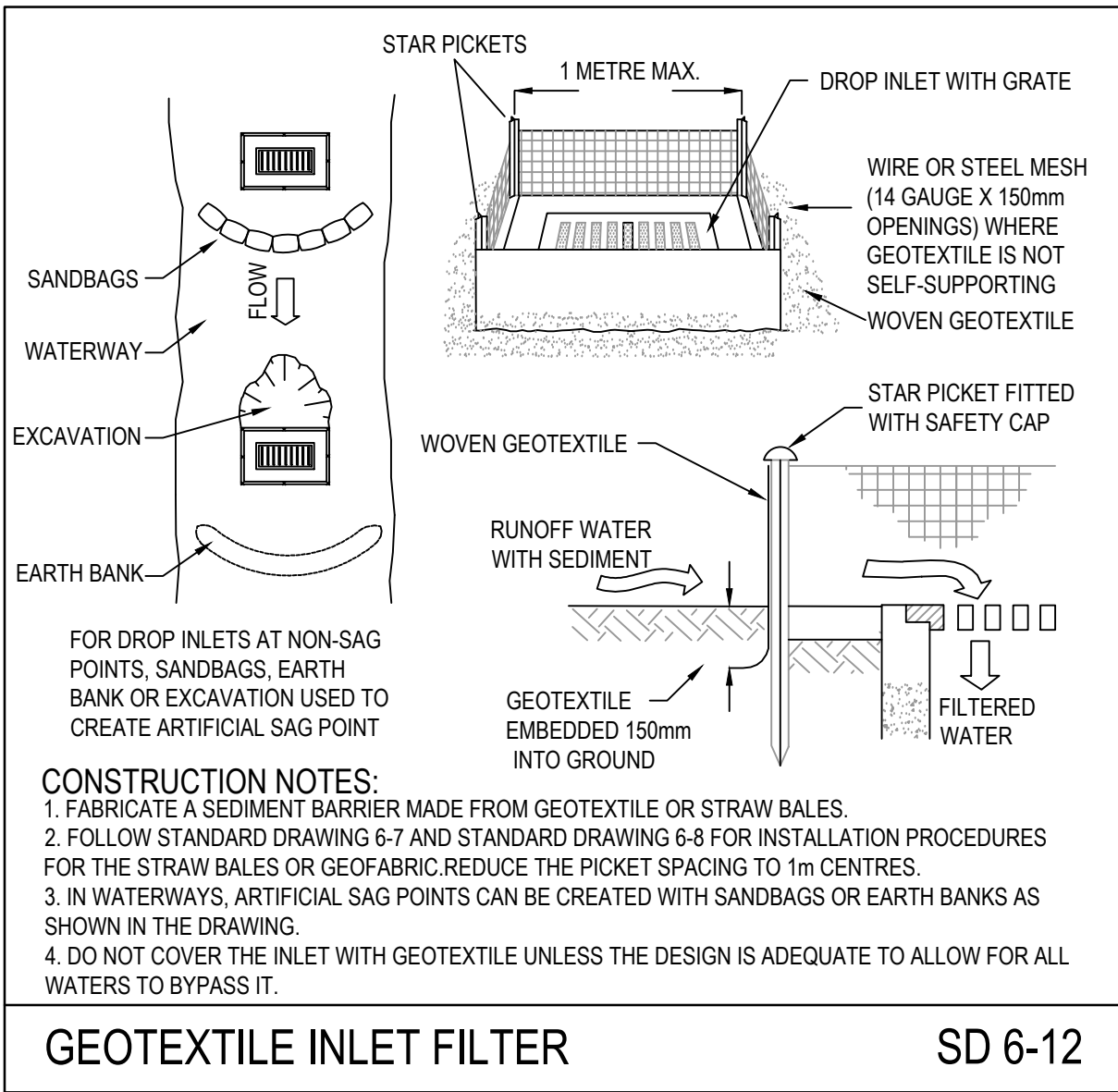
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AS SHOWN	COY	JLO	AM
Project	Stage	Discipline	Company
File Type	Blg	Level	Sheet No.
Rev			
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1. ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH:-
 - LOCAL AUTHORITY REQUIREMENTS,
 - EPA POLLUTION CONTROL MANUAL FOR URBAN STORMWATER,
 - LANDCOM NSW - MANAGING URBAN STORMWATER: SOILS AND CONSTRUCTION ("BLUE BOOK").
2. EROSION AND SEDIMENT CONTROL DRAWINGS AND NOTES ARE PROVIDED FOR THE WHOLE OF THE WORKS. SHOULD THE CONTRACTOR STAGE THESE WORKS THEN THE DESIGN MAY BE REQUIRED TO BE MODIFIED. VARIATION TO THESE DETAILS MAY REQUIRE APPROVAL BY THE RELEVANT AUTHORITIES. THE EROSION AND SEDIMENT CONTROL PLAN SHALL BE IMPLEMENTED AND ADAPTED TO MEET THE VARYING SITUATIONS AS WORK ON SITE PROGRESSES.
3. THE EROSION & SEDIMENT CONTROL PLAN IS PREPARED FOR INFORMATION & PLANNING APPROVALS ONLY. THE CONTRACTOR SHALL PREPARE THE CONSTRUCTION EROSION & SEDIMENT CONTROL PLAN BASED ON THEIR WORKS STAGING & PROPOSED SITE FACILITIES.
4. MAINTAIN ALL EROSION AND SEDIMENT CONTROL DEVICES TO THE SATISFACTION OF THE SUPERINTENDENT AND THE LOCAL AUTHORITY.
5. WHEN STORMWATER PITS ARE CONSTRUCTED PREVENT SITE RUNOFF ENTERING THE PITS UNLESS SILT ENTRANCES ARE DIRECTED AROUND PITS.
6. MINIMIZE THE AREA OF SITE BEING DISTURBED AT ANY ONE TIME.
7. PROTECT ALL STOCKPILE OF MATERIALS FROM SCOUR AND EROSION. DO NOT STOCKPILE LOOSE MATERIAL IN ROADWAYS, NEAR DRAINAGE PITS OR IN WATERCOURSES.
8. ALL SOIL AND WATER CONTROL MEASURES ARE TO BE PUT BACK IN PLACE AT THE END OF EACH WORKING DAY, AND MODIFIED TO BEST SUIT SITE CONDITIONS.
9. CONTROL WATER FROM UPSTREAM OF THE SITE SUCH THAT IT DOES NOT ENTER THE DISTURBED SITE.
10. ALL CONSTRUCTION VEHICLES SHALL ENTER AND EXIT THE SITE VIA THE TEMPORARY CONSTRUCTION ENTRY/EXIT.
11. ALL VEHICLES LEAVING THE SITE SHALL BE CLEANED AND INSPECTED BEFORE LEAVING.
12. MAINTAIN ALL STORMWATER PIPES AND PITS CLEAR OF DEBRIS AND SEDIMENT. INSPECT STORMWATER SYSTEM AND CLEAN OUT AFTER EACH STORM EVENT.
13. CLEAN OUT ALL EROSION AND SEDIMENT CONTROL DEVICES AFTER EACH STORM EVENT.

1. PRIOR TO COMMENCEMENT OF EXCAVATION THE FOLLOWING SOIL MANAGEMENT DEVICES MUST BE INSTALLED.
 - 1.1. CONSTRUCT SILT FENCES BELOW THE SITE AND ACROSS ALL POTENTIAL RUNOFF SITES.
 - 1.2. CONSTRUCT TEMPORARY CONSTRUCTION ENTRY/EXIT AND DIVERT RUNOFF TO SUITABLE CONTROL SYSTEMS.
 - 1.3. CONSTRUCT MEASURES TO DIVERT UPSTREAM FLOWS INTO EXISTING STORMWATER SYSTEM.
 - 1.4. CONSTRUCT SEDIMENTATION TRAPS/BASIN INCLUDING OUTLET CONTROL AND OVERFLOW.
 - 1.5. CONSTRUCT TURF LINED SWALES.
 - 1.6. PROVIDE SANDBAG SEDIMENT TRAPS UPSTREAM OF EXISTING PITS.

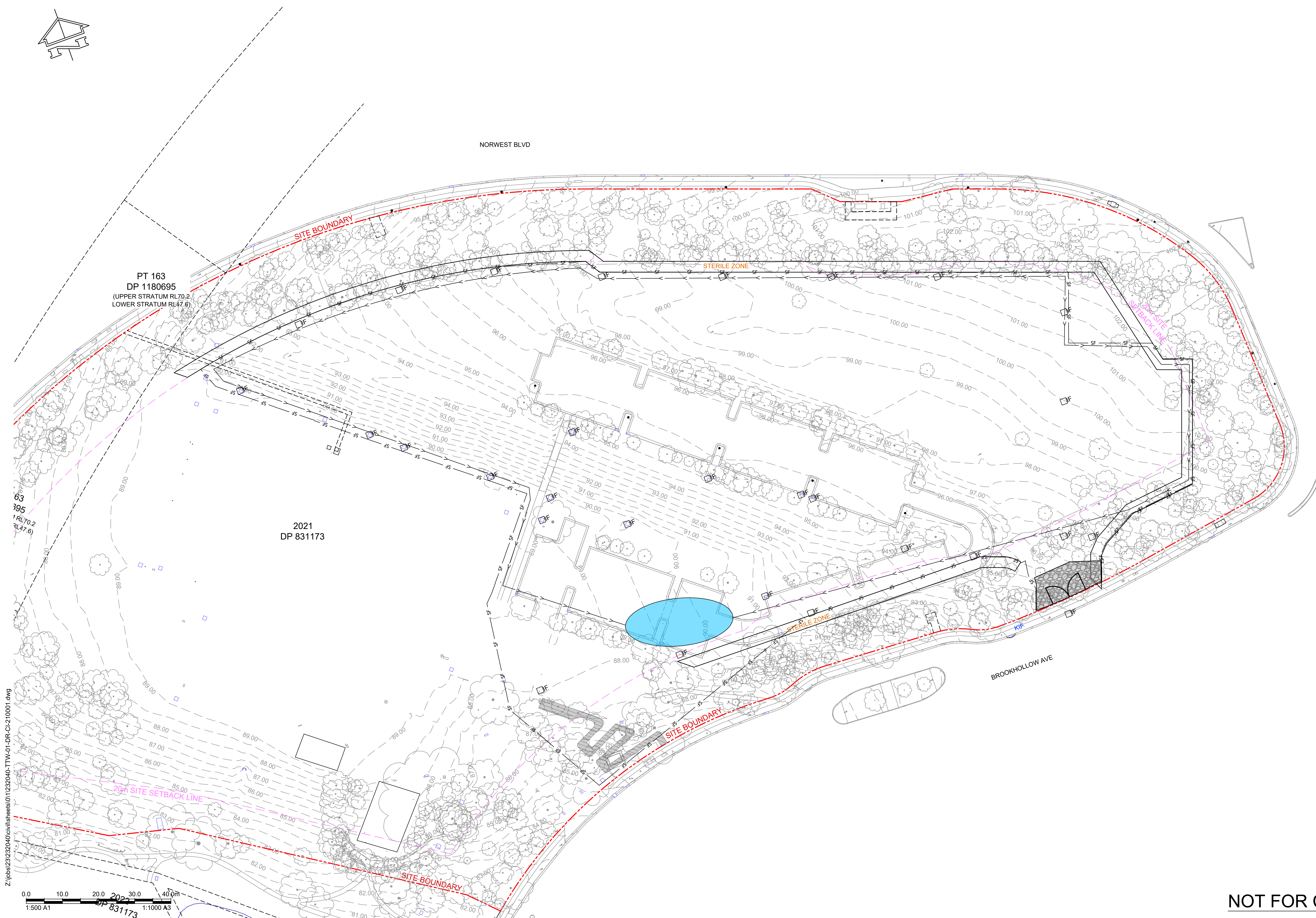
1. PRIOR TO DISCHARGE OF SITE STORMWATER, GROUNDWATER AND SEEPAGE WATER INTO COUNCIL'S STORMWATER SYSTEM, CONTRACTORS MUST UNDERTAKE WATER QUALITY TESTS IN CONJUNCTION WITH A SUITABLY QUALIFIED ENVIRONMENT CONSULTANT OUTLINING THE FOLLOWING: -
 - COMPLIANCE WITH THE CRITERIA OF THE AUSTRALIAN AND NEW ZEALAND GUIDELINES FOR FRESH AND MARINE WATER QUALITY (2000)
 - IF REQUIRED SUBJECT TO THE ENVIRONMENTAL CONSULTANTS ADVICE, PROVIDE REMEDIAL MEASURES TO IMPROVE THE QUALITY OF WATER THAT IS TO BE DISCHARGED INTO COUNCILS STORM WATER DRAINAGE SYSTEM. THIS SHOULD INCLUDE COMMENTS FROM A SUITABLY QUALIFIED ENVIRONMENTAL CONSULTANT CONFIRMING THE SUITABILITY OF THESE REMEDIAL MEASURES TO MANAGE THE WATER DISCHARGED FROM THE SITE INTO COUNCILS STORM WATER DRAINAGE SYSTEM. OUTLINING THE PROPOSED, ONGOING MONITORING, CONTINGENCY PLANS AND VALIDATION PROGRAM THAT WILL BE IN PLACE TO CONTINUALLY MONITOR THE QUALITY OF WATER DISCHARGED FROM THIS SITE. THIS SHOULD OUTLINE THE FREQUENCY OF WATER QUALITY TESTING THAT WILL BE UNDERTAKEN BY A SUITABLY QUALIFIED ENVIRONMENTAL CONSULTANT.

	SEDIMENT FENCE (6-8)
	STORMWATER PIT WITH GEOTEXTILE INLET FILTER (SD6-12)
	STRAW BALE FILTERS (SD6-7)
	SANDBAG SEDIMENT FILTER (SD6-11)
	CATCH DRAIN (CLEAN WATER)
	LEVEL SPREADER (SD5-6)



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THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT NOTES AND LEGENDS

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[illegible]

BULK EARTHWORKS (02000 SERIES DRAWINGS)

1.

ALL BULK EARTHWORKS SETOUT FROM GRID LINES U.N.O.
2.

ALL BATTERS AT A SLOPE OF 1(V):3(H) U.N.O.
3.

EXCAVATED MATERIAL MAY BE USED AS STRUCTURAL FILL PROVIDED: -

-

IT COMPLIES WITH THE SPECIFICATION REQUIREMENTS FOR FILL MATERIAL.

-

THE PLACEMENT MOISTURE CONTENT COMPLIES WITH THE GEOTECHNICAL CONSULTANTS REQUIREMENTS, AND ALLOWS FILLING TO BE PLACED AND PROOF ROLLED IN ACCORDANCE WITH THE SPECIFICATION. WHERE NECESSARY THE CONTRACTOR MUST MOISTURE CONDITION THE EXCAVATED MATERIAL TO MEET THESE REQUIREMENTS.
4.

ALL SUBGRADE MATERIAL TO BE PLACED AND COMPACTED AT OPTIMUM MOISTURE CONTENT (OMC) IN ACCORDANCE WITH AS 1289.5.1.1 TO THE FOLLOWING STANDARD DRY DENSITIES: -

LOCATION	COMPACTION	TOLERANCE
BENEATH PAVEMENTS AND BUILDINGS	98%	± 2%
BENEATH LANDSCAPED AREAS	95%	± 2%

5.

BEFORE PLACING FILL, PROOF ROLL EXPOSED SUBGRADE WITH A 10 TONNE MINIMUM ROLLER TO TEST SUBGRADE AND THEN REMOVE SOFT SPOTS (AREAS WITH MORE THAN 3mm MOVEMENT UNDER ROLLER). SOFT SPOTS TO BE REPLACED WITH GRANULAR FILL U.N.O.
6.

CONTRACTOR SHALL PLACE SAFETY BARRIERS AROUND EXCAVATIONS IN ACCORDANCE WITH RELEVANT SAFETY REGULATIONS.
7.

FOR INTERPRETATION OF BULK EARTHWORKS FOOT PRINT LINE SHOWN ON THE BULK EARTHWORKS DRAWINGS REFER TO THE BULK EARTHWORKS CONSTRUCTION LEGEND.
8.

BULK EARTHWORK DRAWINGS ARE NOT TO BE USED FOR DETAILED EXCAVATION.
9.

REFER TO GEOTECHNICAL REPORT PREPARED BY: -

-

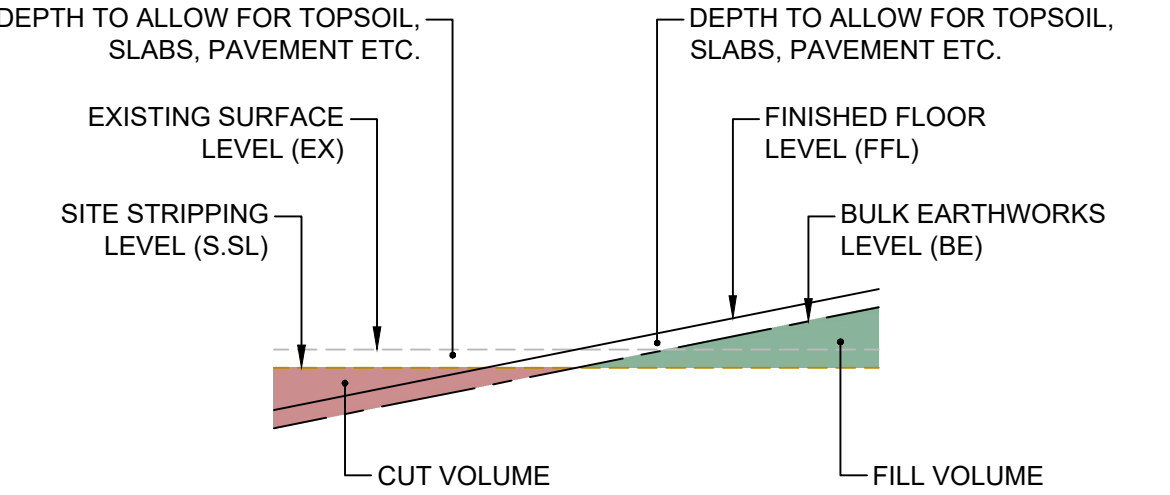
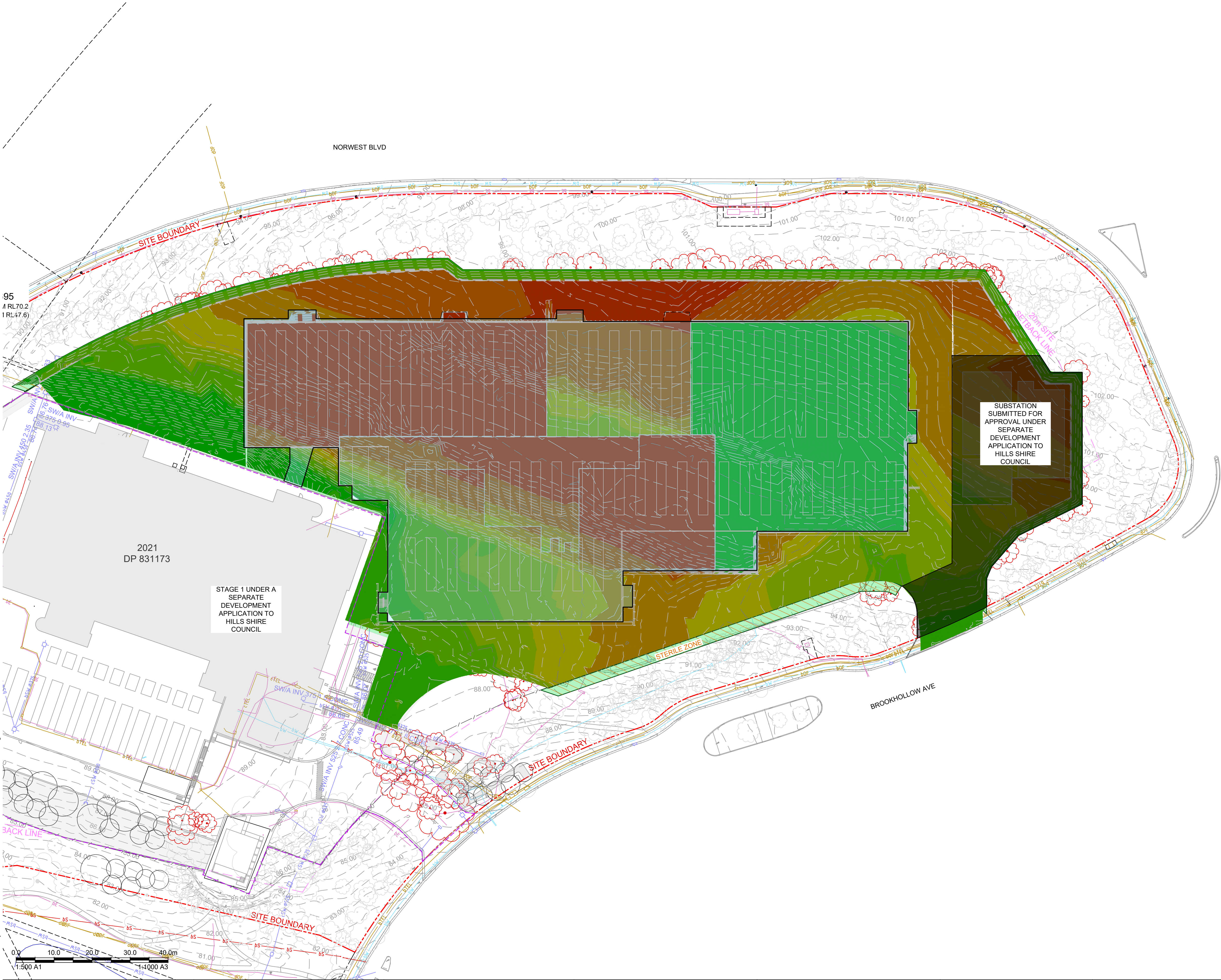
DOUGLAS PARTNERS

-

REPORT ON STAGE 1 & 2 - GEOTECHNICAL INVESTIGATION DATED 17/09/2025
10.

DETAILED EARTHWORKS SUCH AS PILING, PILE CAPS, GROUND BEAMS, LIFT PITS, SERVICE TRENCHING & LANDSCAPE MOUNDING ETC IS EXCLUDED.

BULK EARTHWORKS				
LOCATION	AREA (m²)	CUT (m³)	FILL (m³)	NET (m³)
STAGE 2 SITE	20822.77	62740.30	9424.43	53315.87 (CUT)



EARTHWORKS TYPICAL SECTION

- LEGEND
- EX308.00

EXISTING SURFACE CONTOUR
- BE308.80

BULK EARTHWORKS CONTOUR

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Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date
B	ISSUE FOR SSDA		ANMCOY 19.12.2025								
A	ISSUED FOR REVIEW		ANMCOY 27.11.2025								

Client:

Engineer:

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Project:
GREEN SQUARE DC
3 BROOKHOLLOW AVE
BAULKHAM HILLS
NSW 2153

Drawing Title:
EARTHWORKS
CUT & FILL
VOLUMES PLAN

Project	Stage	Discipline	Company	File Type	Blg	Level	Sheet No.	Rev
SYD1-ST200-CE-TTW-DRG-X-00-310001-B			COY		JLO	AM		
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1. STORMWATER DESIGN CRITERIA

- (A) AVERAGE EXCEEDANCE PROBABILITY: -
 - 1% AEP FOR ROOF DRAINAGE TO FIRST EXTERNAL PIT
 - 5% AEP FOR PAVED AND LANDSCAPED AREAS
- (B) RAINFALL INTENSITIES: -
 - TIME OF CONCENTRATION: 5 MINUTES
 - 1% AEP = 245mm/hr
 - 5% AEP = 178mm/hr
- (C) RAINFALL LOSSES: -
 - IMPERVIOUS AREAS: IL = 1.5mm CL = 0mm/hr
 - PERVIOUS AREAS: IL = 17.5mm CL = 1mm/hr
- PIPES 300 DIA AND LARGER TO BE REINFORCED CONCRETE CLASS "2" APPROVED SPIGOT AND SOCKET WITH RUBBER RING JOINTS U.N.O.
 - PIPES UP TO 300 DIA MAY BE SEWER GRADE UPVC WITH SOLVENT WELDED JOINTS, SUBJECT TO APPROVAL BY THE ENGINEER.
 - EQUIVALENT STRENGTH VCP OR FRP PIPES MAY BE USED SUBJECT TO APPROVAL.
 - PRECAST PITS MAY BE USED EXTERNAL TO THE BUILDING SUBJECT TO APPROVAL BY ENGINEER.
 - ENLARGERS, CONNECTIONS AND JUNCTIONS TO BE MANUFACTURED FITTINGS WHERE PIPES ARE NOT LESS THAN 300 DIA.
 - WHERE SUBSOIL DRAINS PASS UNDER FLOOR SLABS AND VEHICULAR PAVEMENTS, UNSLOTTED UPVC SEWER GRADE PIPE IS TO BE USED.
 - GRATES AND COVERS SHALL CONFORM WITH AS 3996-2006, AND AS 1428.1 FOR ACCESS REQUIREMENTS.
 - PIPES ARE TO BE INSTALLED IN ACCORDANCE WITH AS 3725. ALL BEDDING TO BE TYPE H2 U.N.O.
 - CARE IS TO BE TAKEN WITH INVERT LEVELS OF STORMWATER LINES. GRADES SHOWN ARE NOT TO BE REDUCED WITHOUT APPROVAL.
 - ALL STORMWATER PIPES TO BE 150 DIA AT 1.0% MIN FALL U.N.O.
 - SUBSOIL DRAINS TO BE SLOTTED FLEXIBLE UPVC U.N.O.
 - ADOPT INVERT LEVELS FOR PIPE INSTALLATION (GRADES SHOWN ARE ONLY NOMINAL).

PIPE INFORMATION

USIL	UPSTREAM INVERT LEVEL	SW	
Ø000	PIPE INTERNAL DIAMETER	L 10.0m	TIE LENGTH
---	PIPE MATERIAL AND CLASS	D 1.0m	TIE DEPTH
0.0m	PIPE LENGTH	Ø150	TIE DIAMETER
0.0 m/s	HYDRAULIC FLOW RATE		
%0.0	PIPE GRADE		
DSIL	DOWNSTREAM INVERT LEVEL		

SW1-2

LINE NUMBER 1 - STRUCTURE NUMBER 2

1. ALL SUBSOIL DRAINAGE WORKS ARE TO BE COMPLETED IN ACCORDANCE WITH THE RELEVANT STANDARDS AND SPECIFICATIONS OUTLINED IN THE PROJECT SPECIFICATION.
2. WHERE SUBSOIL DRAINS PASS UNDER FLOOR SLABS AND VEHICULAR PAVEMENTS UNSLOTTED uPVC SEWER GRADE PIPE IS TO BE USED.
3. SUBSOIL DRAINS TO BE Ø100 SLOTTED FLEXIBLE uPVC UNLESS NOTED OTHERWISE.
4. ALL SUBSOIL DRAINS ARE TO BE AT MINIMUM 1% GRADE UNLESS NOTED OTHERWISE.
5. ALL SUBSOIL DRAINS TO BE RODDED PRIOR TO THE PLACEMENT OF ASPHALT.
6. ALL SUBSOIL DRAINS ARE DRAWN DIAGRAMMATICALLY FOR CLARITY. REFER TO TYPICAL DETAIL FOR SUBSOIL SETOUT.

	DOWN PIPE
	RODDING POINT
	PLANTER OUTLET
	RAINWATER OUTLET
	GROSS POLLUTANT TRAP
	OVERLAND FLOW ARROW
	CONCRETE INCASED PIPE
	SWALE DRAIN
	GRATED DRAIN

SS — SS

IR

FP

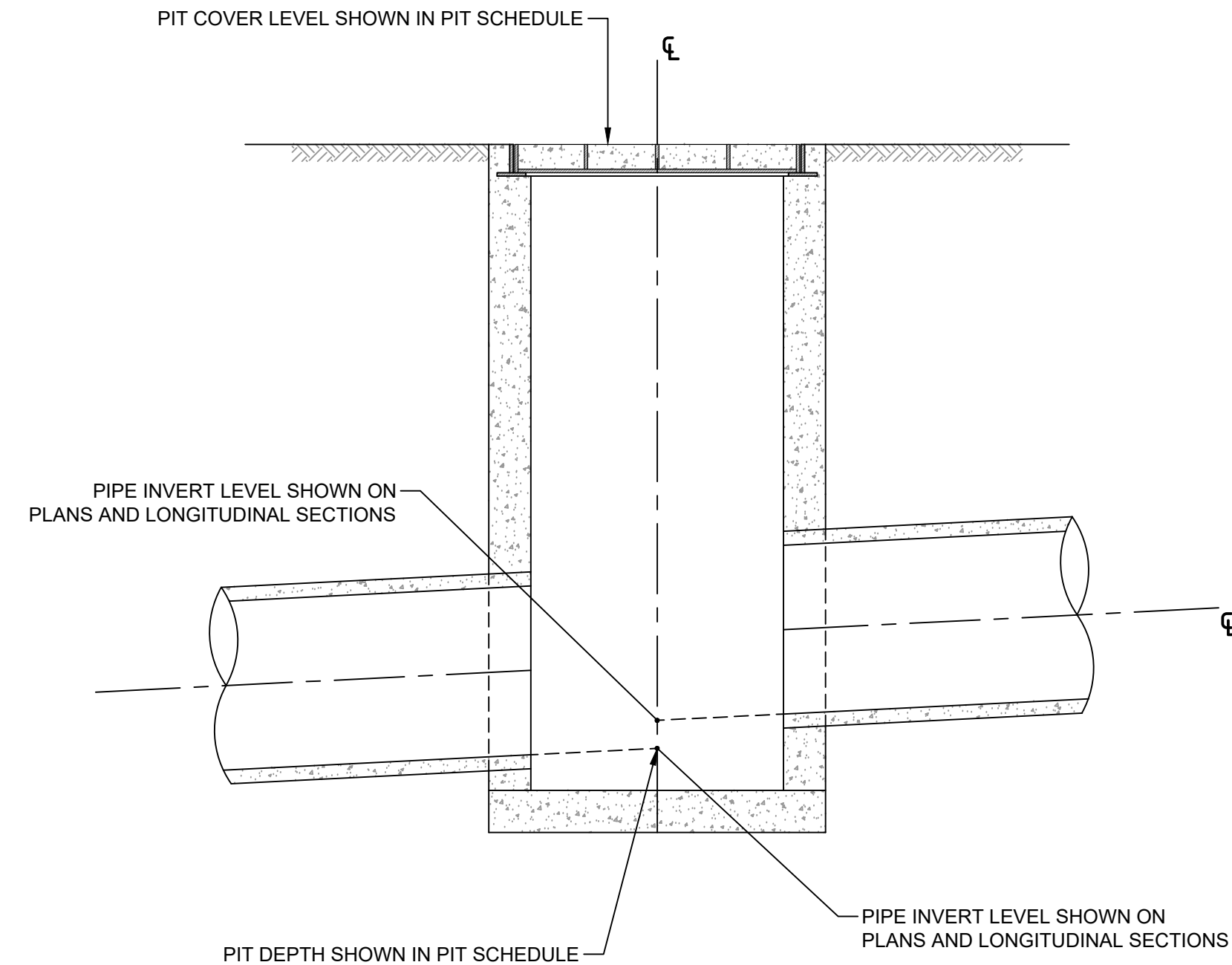
SUBSOIL DRAINAGE

INTERMEDIATE RISER

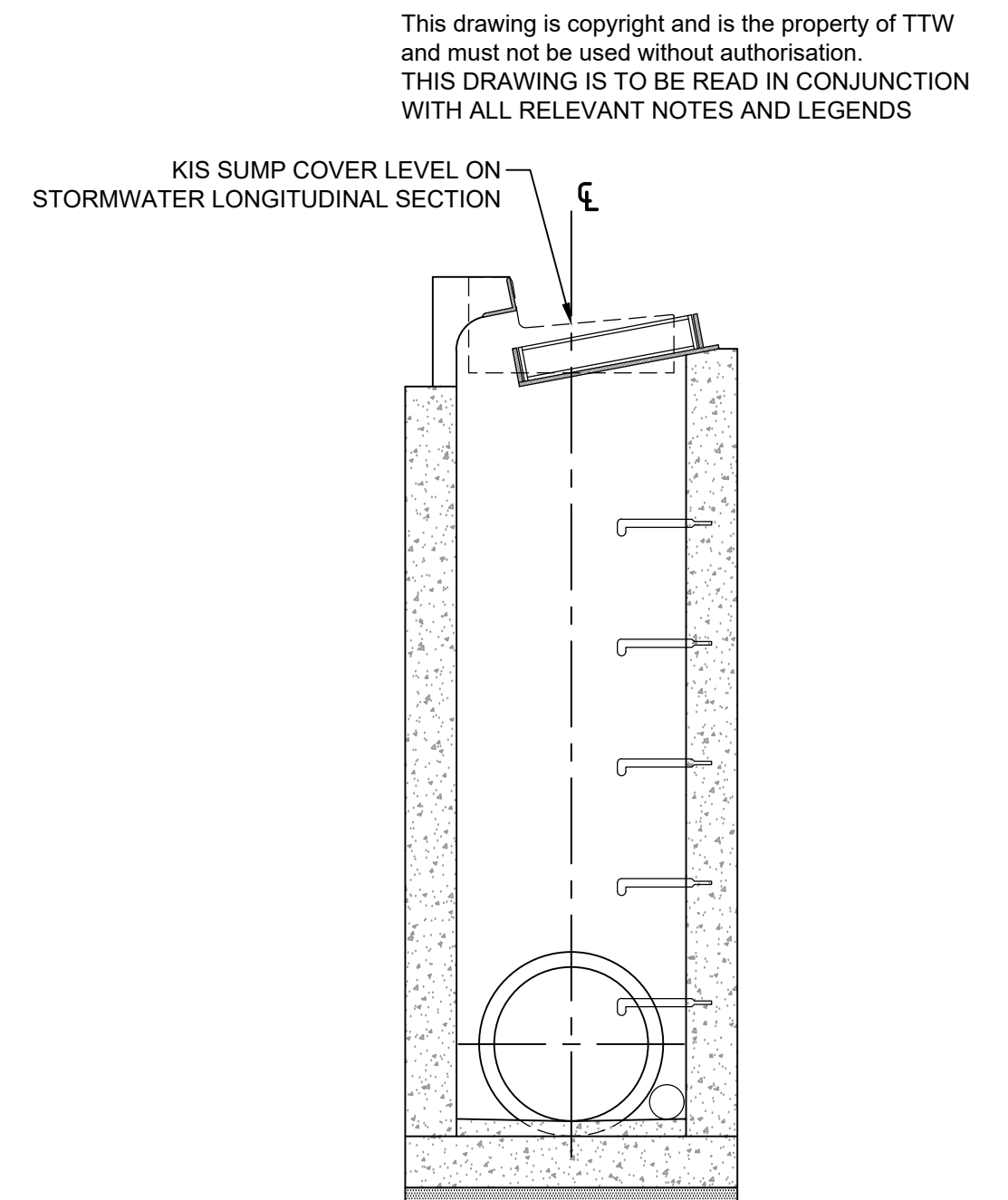
FLUSHING POINT

IL	PIPE INVERT LEVEL
OL	PIPE OBVERT LEVEL
CL	PIT COVER LEVEL
WL	WATER LEVEL

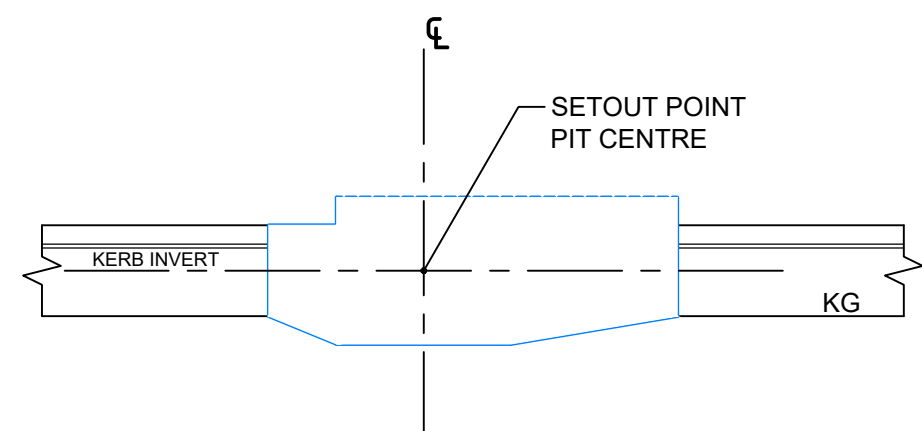
STORMWATER DRAINAGE NOTES AND LEGEND IS TO READ IN CONJUNCTION
WITH GENERAL NOTES AND LEGEND. REFER DRAWING No. 00003



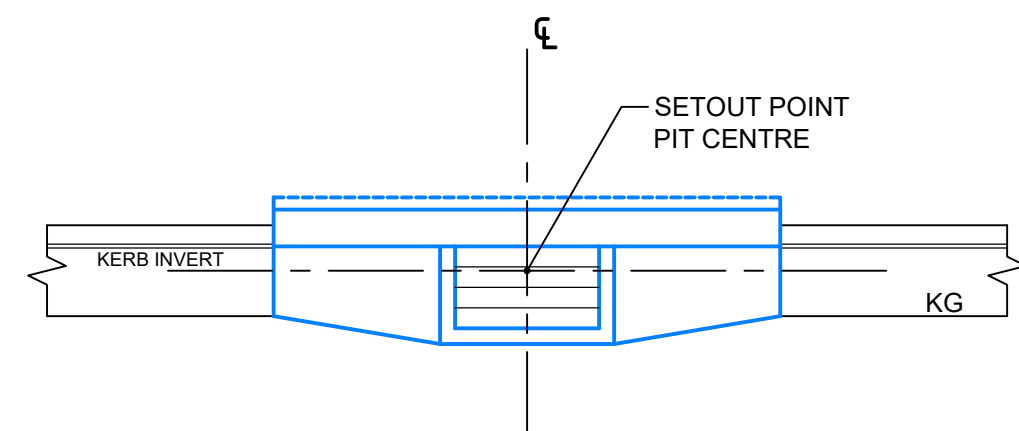
DESIGN INVERT LEVELS
AT STORMWATER STRUCTURES
SCALE 1:20



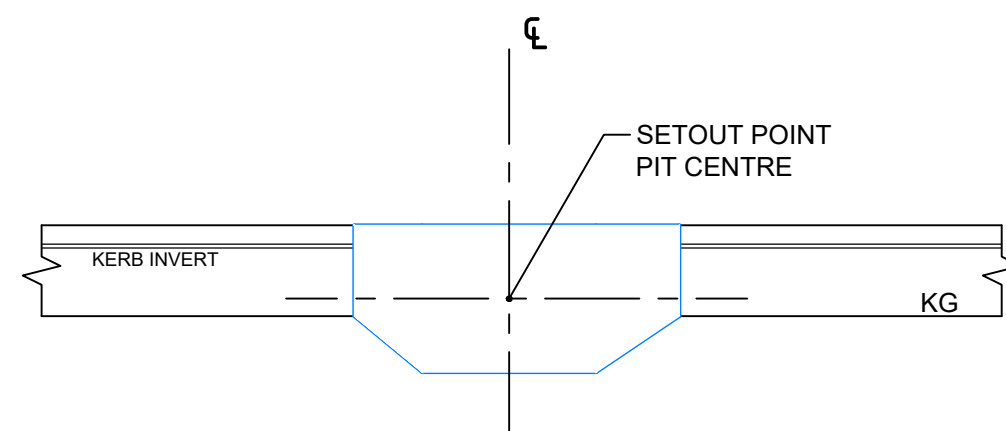
KERB INLET STRUCTURE (KIS)
COVER LEVEL FOR KIS IN ROAD
SCALE 1:20



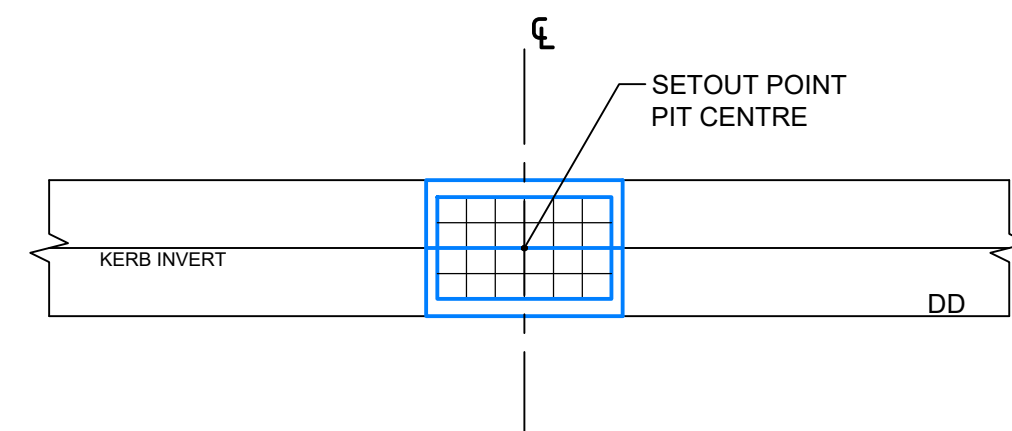
KERB INLET SUMP (KIS) ON GRADE
SCALE 1:50



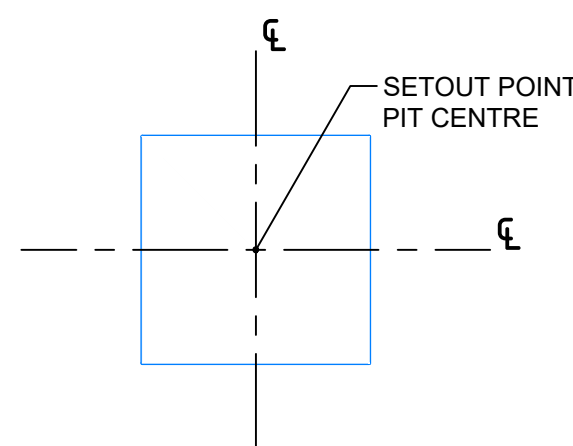
KERB INLET SUMP (KIS) IN SAG
SCALE 1:50



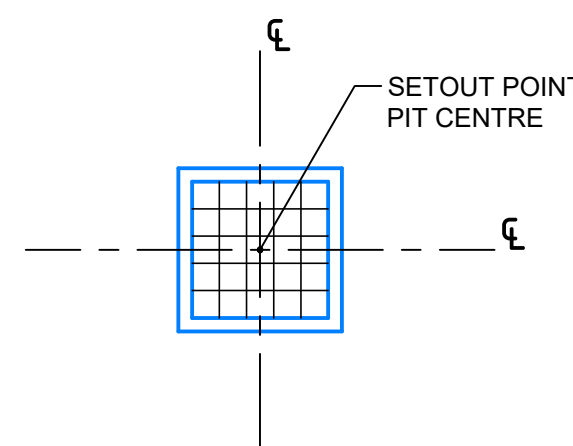
KERB GRATED INLET SUMP (KGI)
SCALE 1:50



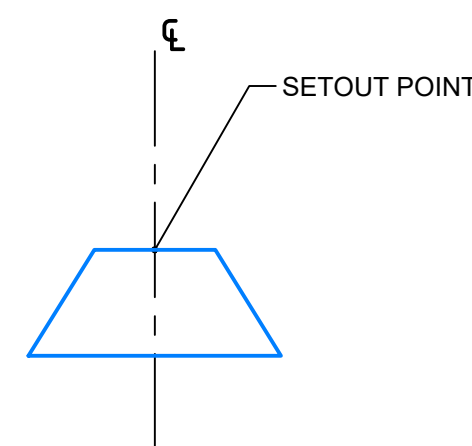
DISH DRAIN GRATED INLET SUMP (DDI)
SCALE 1:50



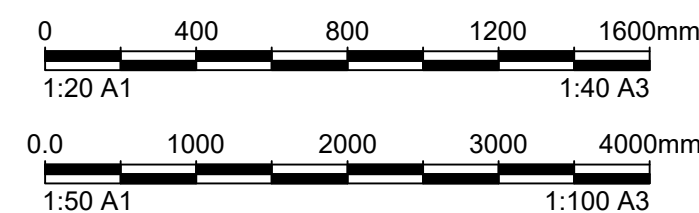
JUNCTION PIT
SCALE 1:50

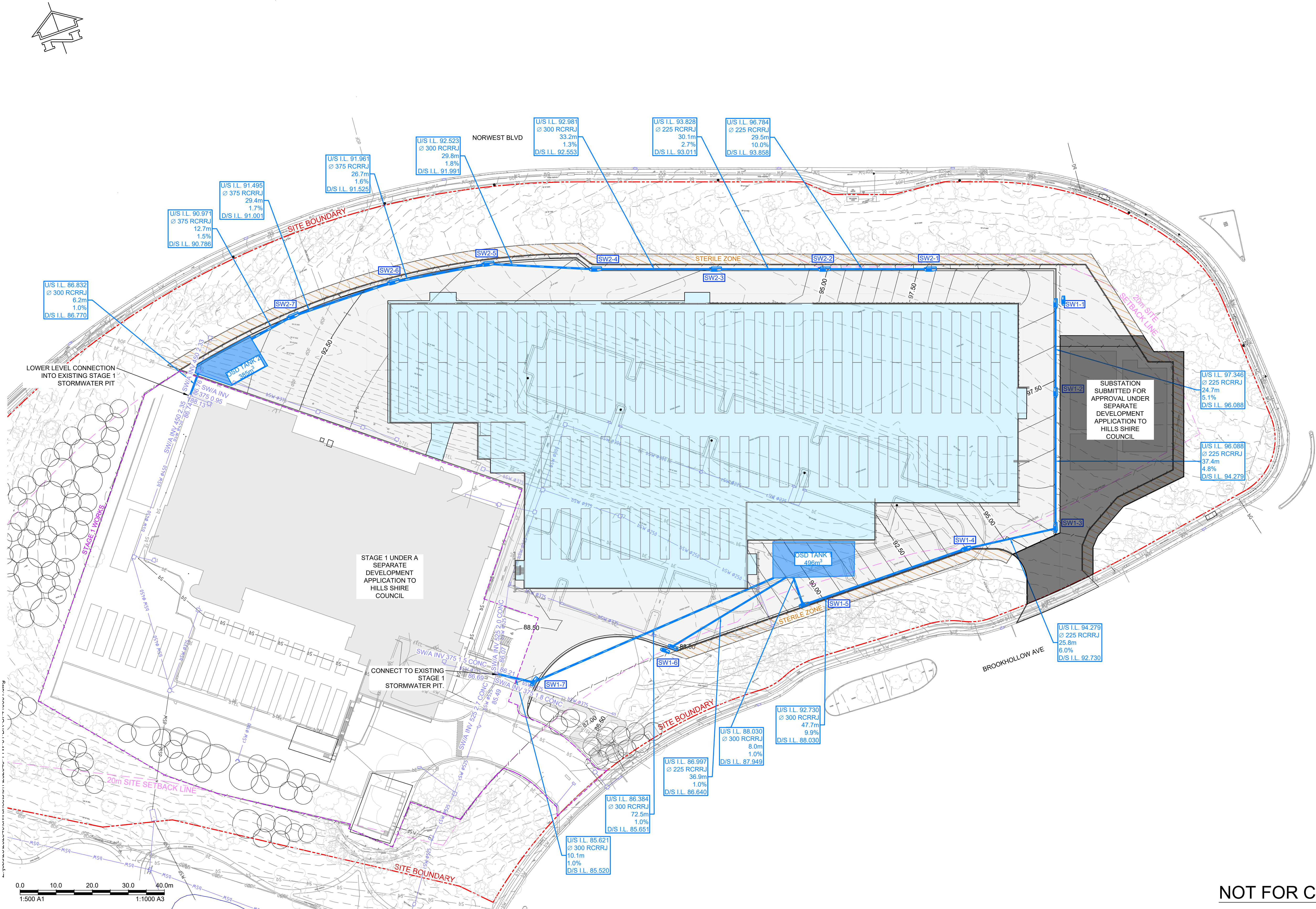


GRATED INLET SUMP
SCALE 1:50



HEADWALL
SCALE 1:50

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Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date
B	ISSUE FOR SSDA		ANMCOY 19.12.2025								
A	ISSUED FOR REVIEW		ANMCOY 27.11.2025								

Client:



Engineer:



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Project:
GREEN SQUARE DC
3 BROOKHOLLOW AVE
BAULKHAM HILLS
NSW 2153

Drawing Title:
STORMWATER
LAYOUT PLAN

Scale at A1		Drawn	Designed	Approved				
1:500		COY	JLO	AM				
Project	Stage	Discipline	Company	File Type	Blg	Level	Sheet No.	Rev
SYD1-ST200-CE-TTW-DRG-X-00-410001-B								
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B	ISSUE FOR SSDA			ANMCOY 19.12.2025										
A	ISSUED FOR REVIEW			ANMCOY 27.11.2025										

Client:



Engineer:



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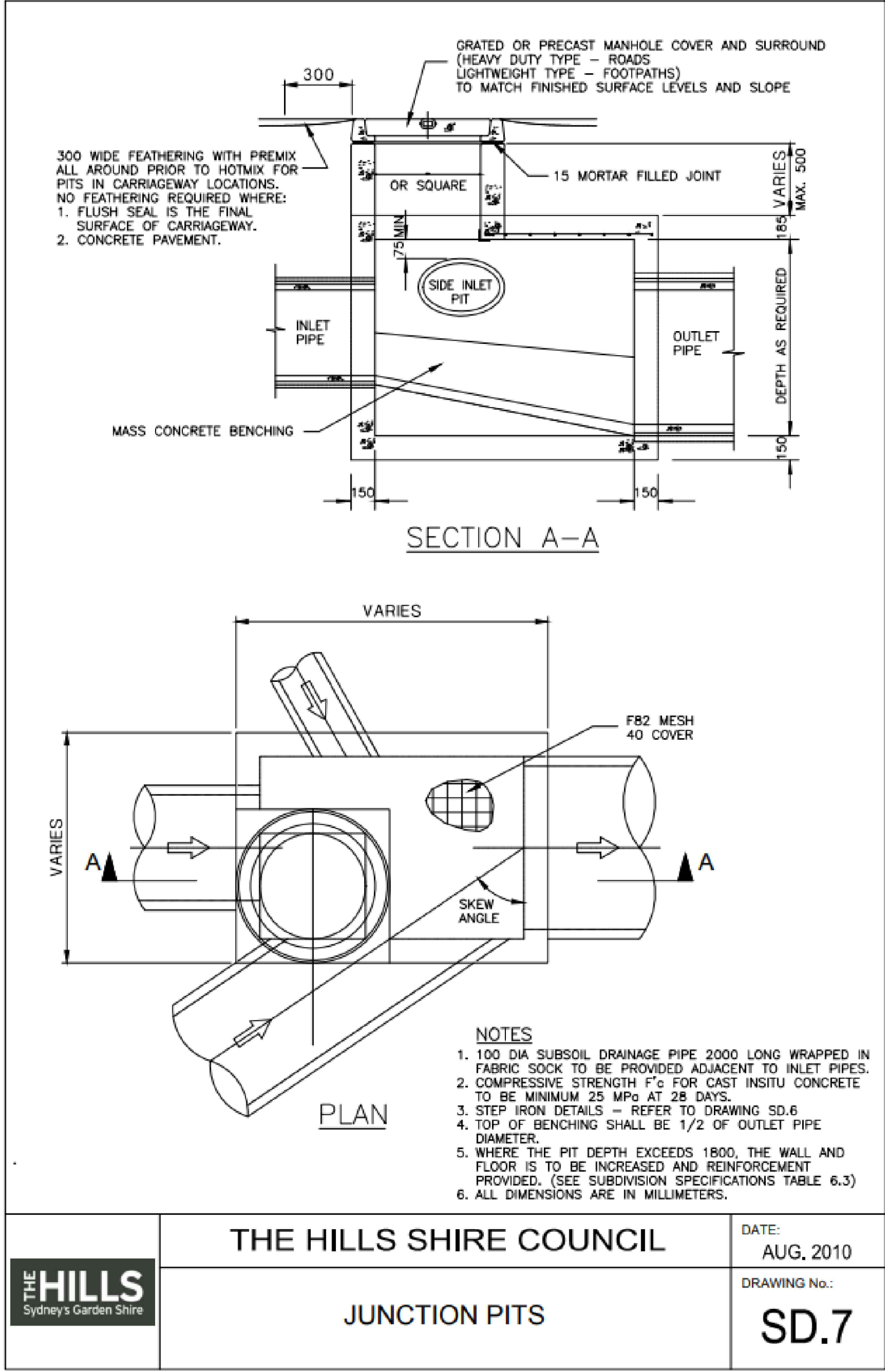
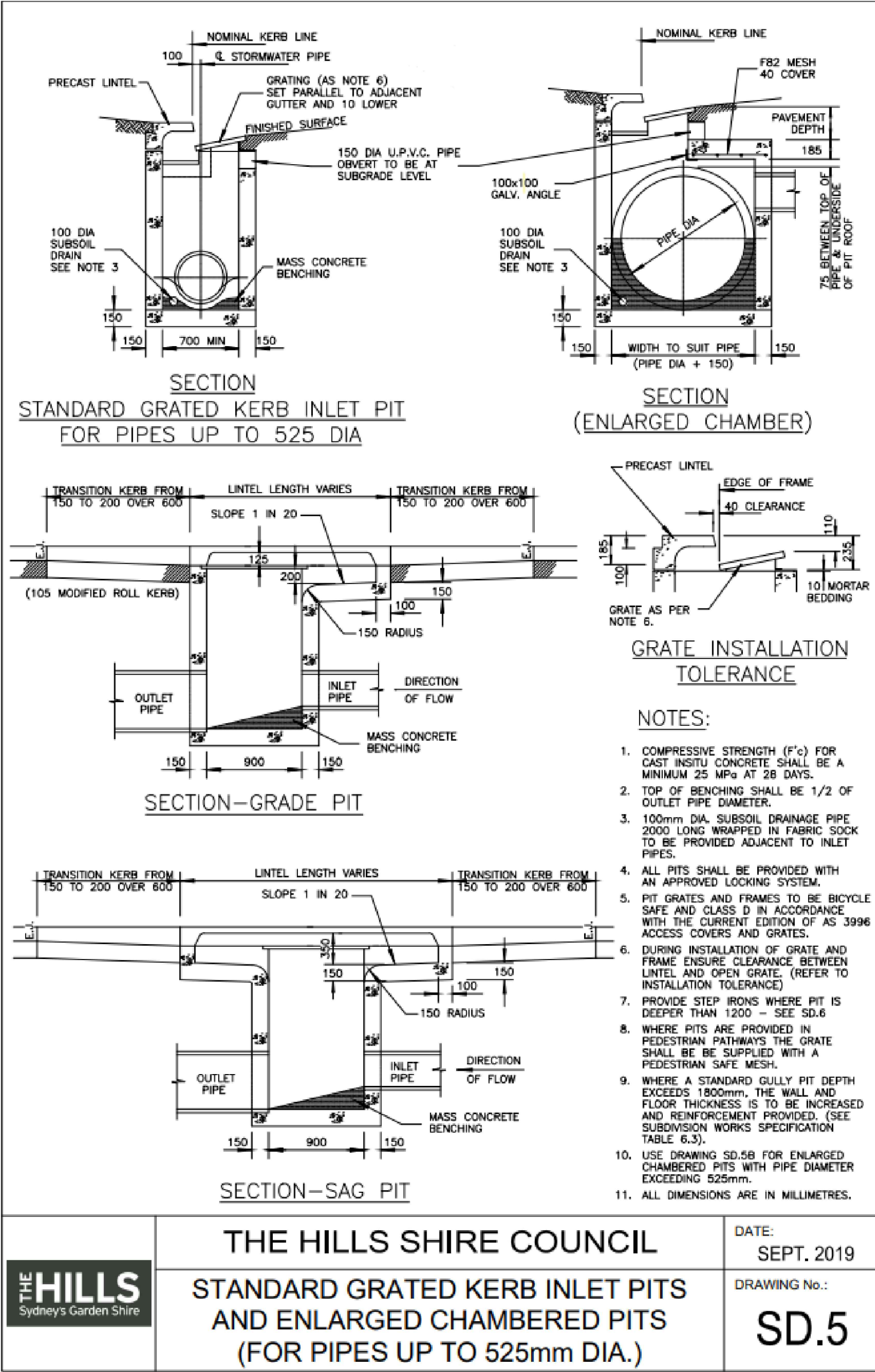
Project:

GREEN SQUARE DC
3 BROOKHOLLOW AVE
BAULKHAM HILLS
NSW 2153

Drawing Title:

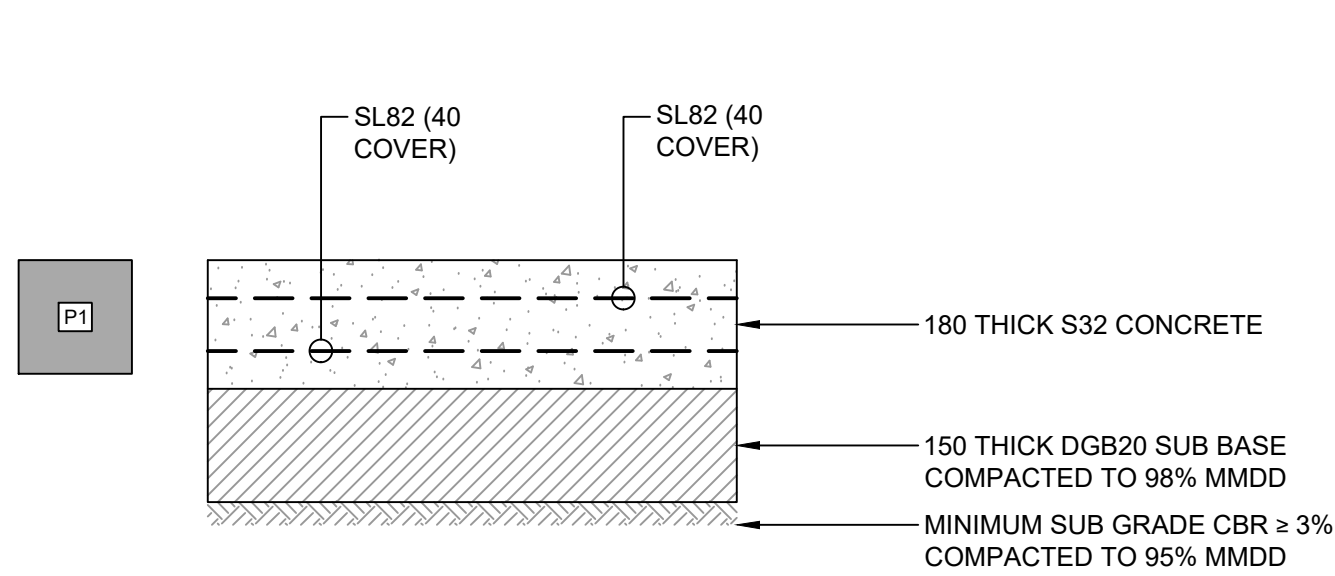
STORMWATER
CATCHMENT PLAN

Project	Stage	Discipline	Company	File Type	Big	Level	Sheet No.	Rev
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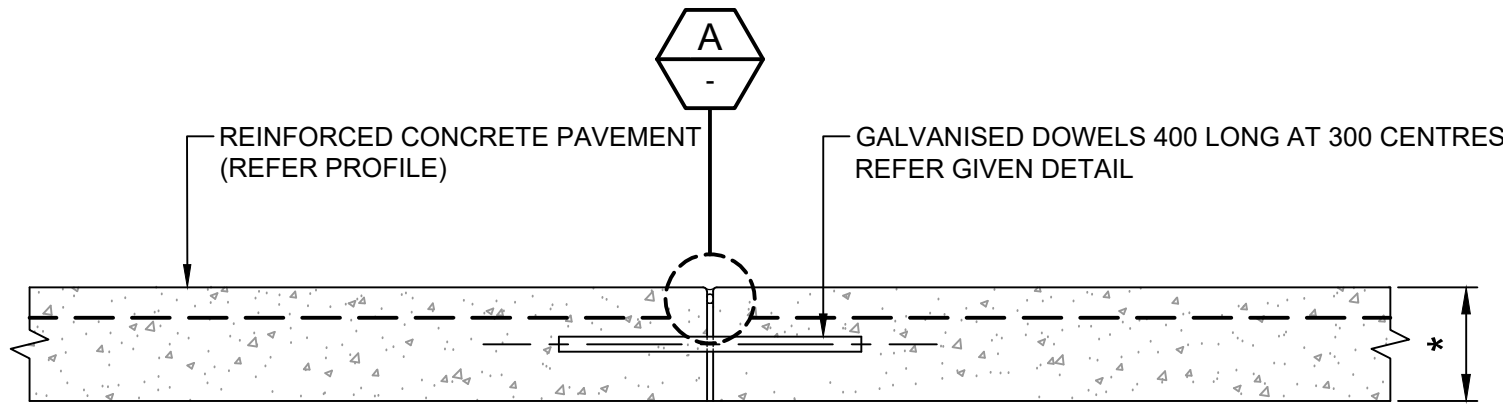


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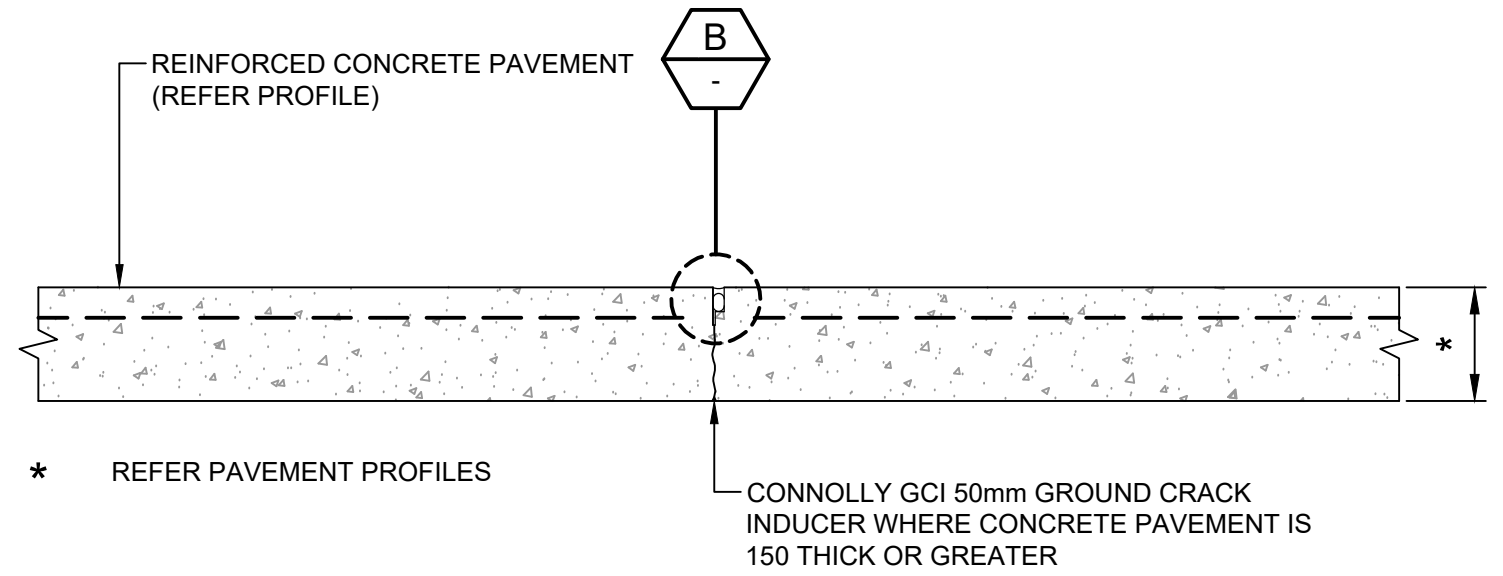


170 THICK REINFORCED CONCRETE PAVEMENT
SCALE 1:10



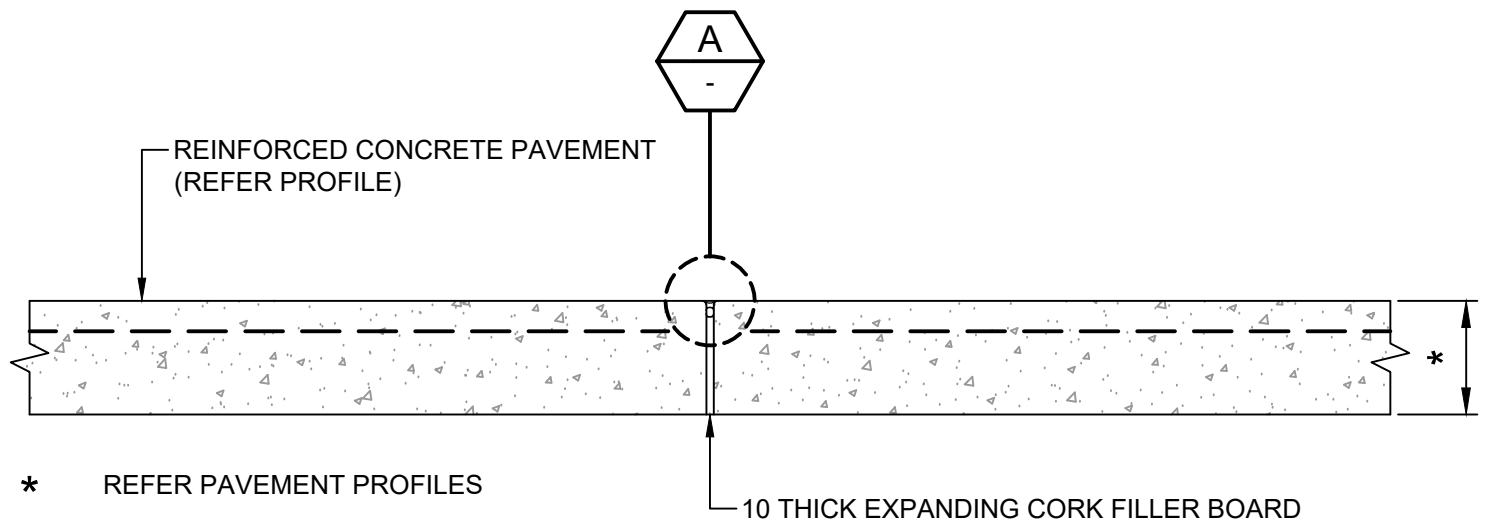
- * REFER PAVEMENT PROFILES
- NOTE
1. CONNOLLY EXPANSION JOINT ACCEPTED OR APPROVED EQUIVALENT
 2. PROVIDE 50mm COVER EITHER SIDE OF JOINT

DOWELED EXPANSION JOINT (DEJ)
SCALE 1:10



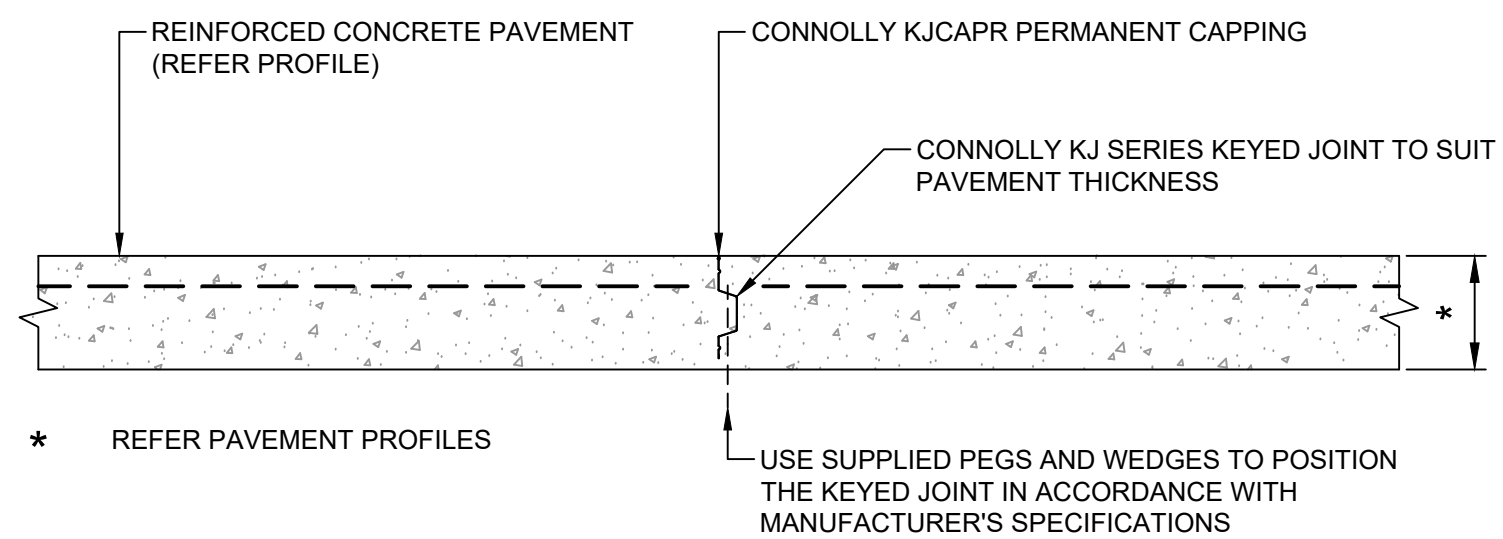
- NOTE
1. CONNOLLY CRACK INDUCED JOINT ACCEPTED OR APPROVED EQUIVALENT
 2. PROVIDE 50mm COVER EITHER SIDE OF JOINT

WEAKENED PLANE JOINT (WPJ)
SCALE 1:10



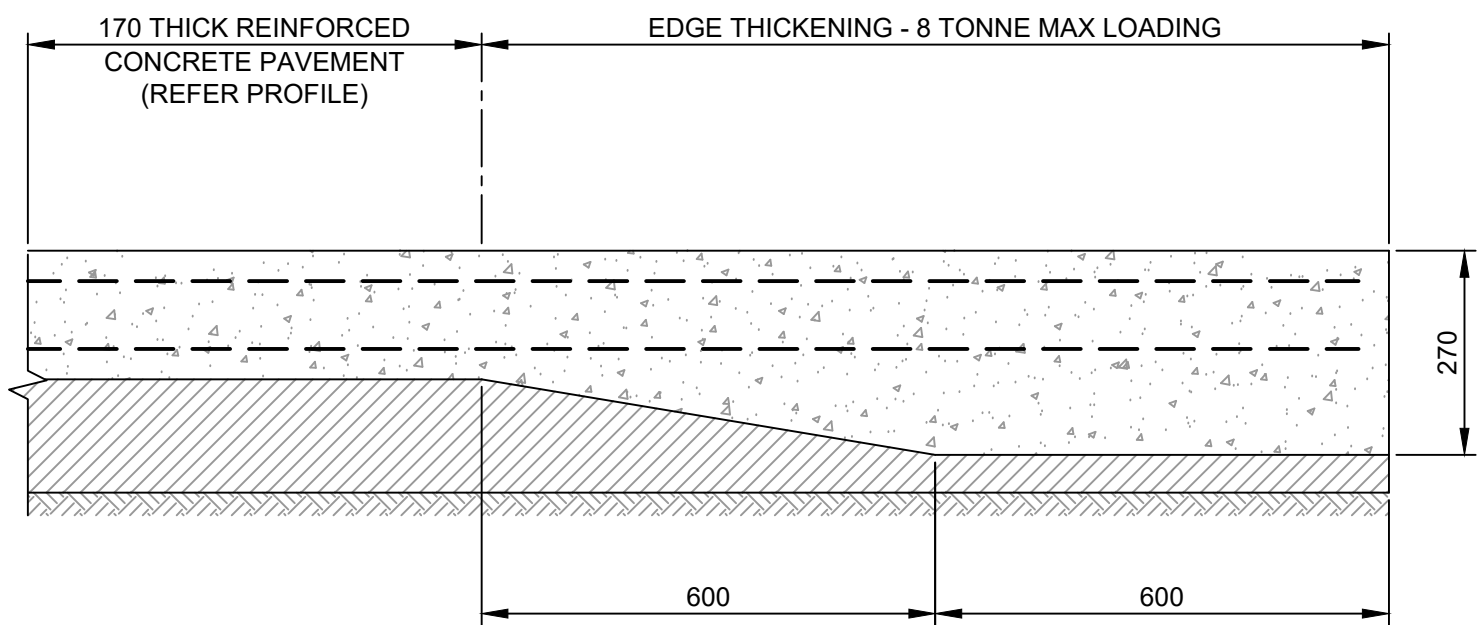
- * REFER PAVEMENT PROFILES
- NOTE
1. CONNOLLY EXPANSION JOINT ACCEPTED OR APPROVED EQUIVALENT
 2. PROVIDE 50mm COVER EITHER SIDE OF JOINT

EXPANSION JOINT (EJ)
SCALE 1:10

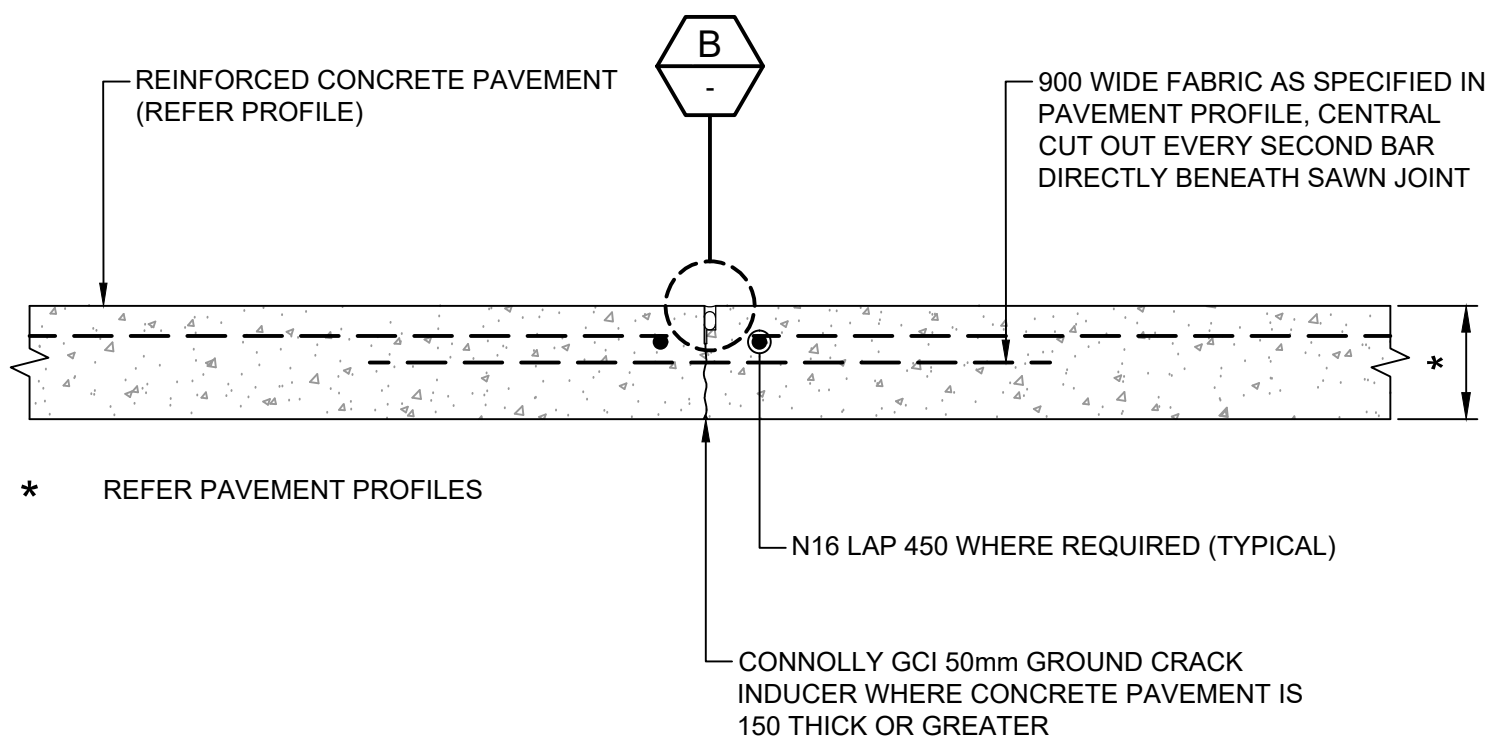


- NOTE
1. CONNOLLY KEY JOINT ACCEPTED OR APPROVED EQUIVALENT
 2. PROVIDE 50mm COVER EITHER SIDE OF JOINT

KEYED JOINT (KJ)
SCALE 1:10



170 THICK REINFORCED CONCRETE PAVEMENT
EDGE THICKENING - 8 TONNE MAX LOADING
SCALE 1:10



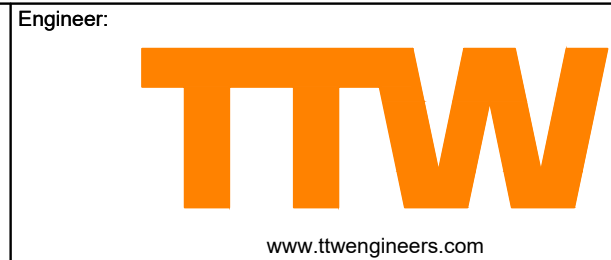
- * REFER PAVEMENT PROFILES
- NOTE
1. CONNOLLY EXPANSION JOINT ACCEPTED OR APPROVED EQUIVALENT
 2. PROVIDE 50mm COVER EITHER SIDE OF JOINT

SAWN CONTROL JOINT (SJ)
SCALE 1:10



NOT FOR CONSTRUCTION

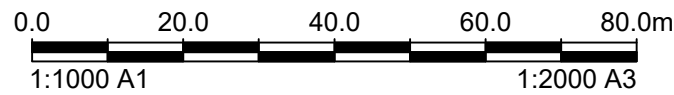
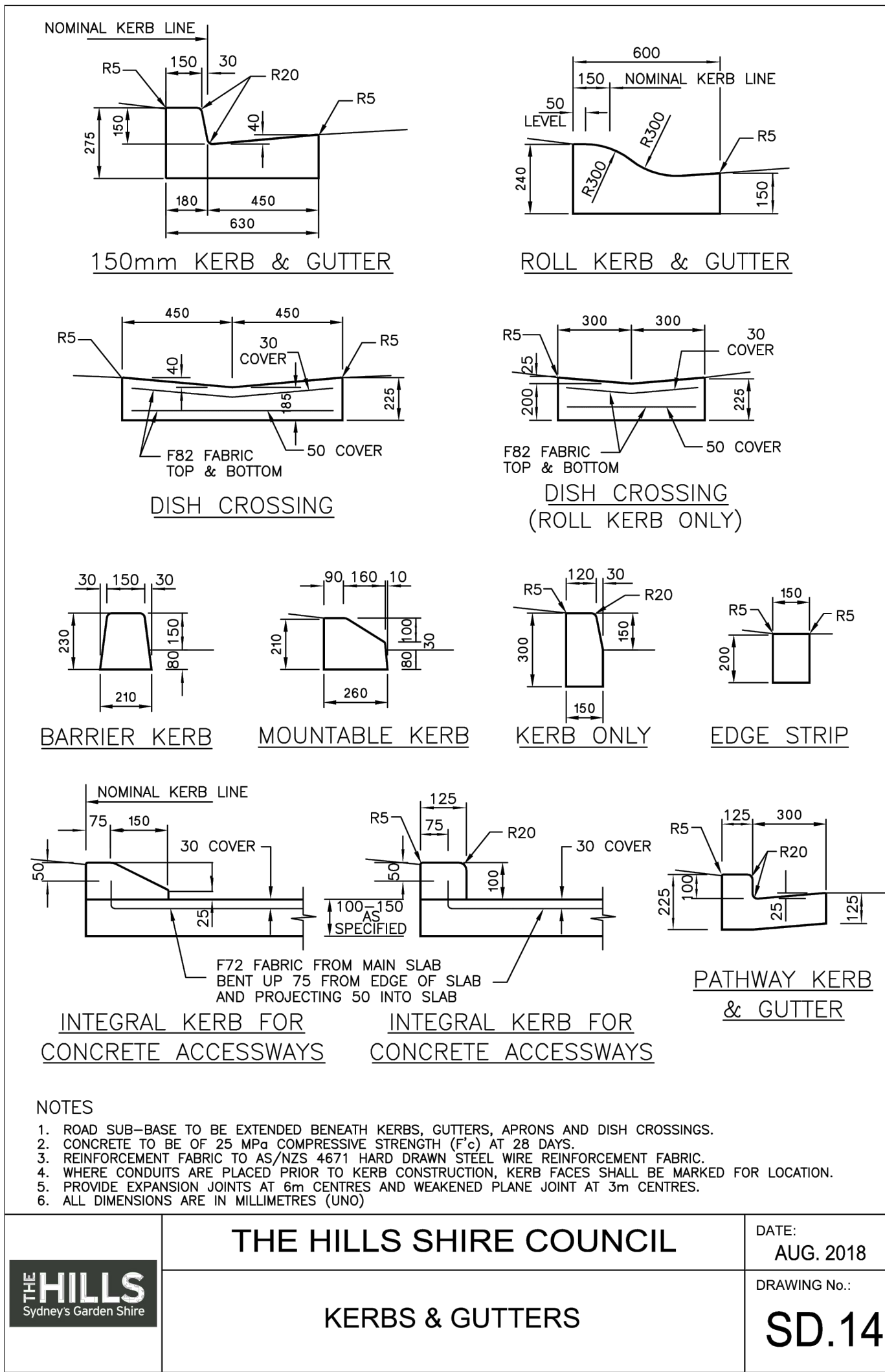
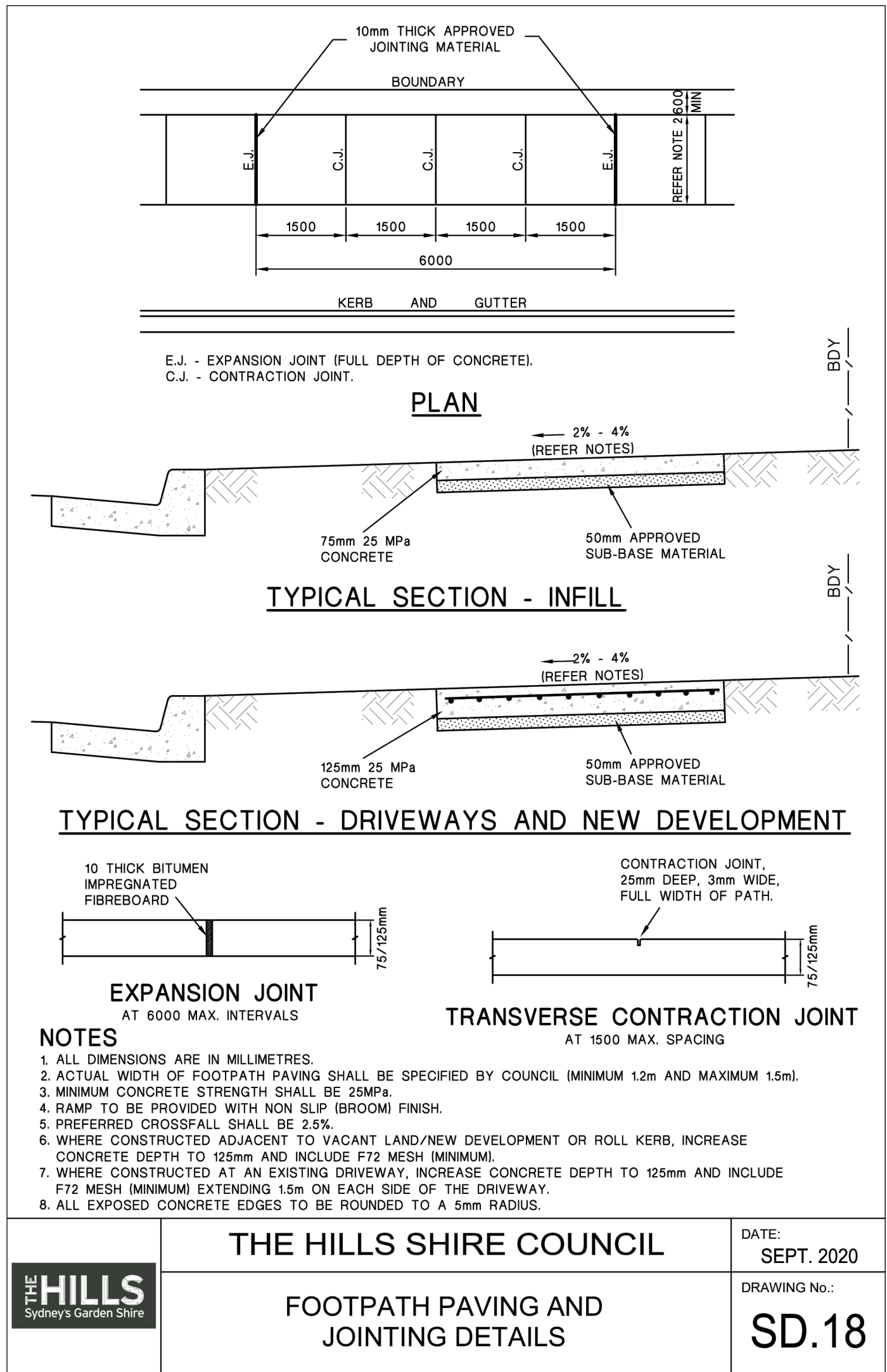
B	ISSUE FOR SSDA	ANMCOY 19.12.2025			
A	ISSUED FOR REVIEW	ANMCOY 27.11.2025			
Rev	Description	Eng Draft	Date	Rev	Description
		Eng Draft	Date		
		Eng Draft	Date		



Project:
GREEN SQUARE DC
3 BROOKHOLLOW AVE
BAULKHAM HILLS
NSW 2153

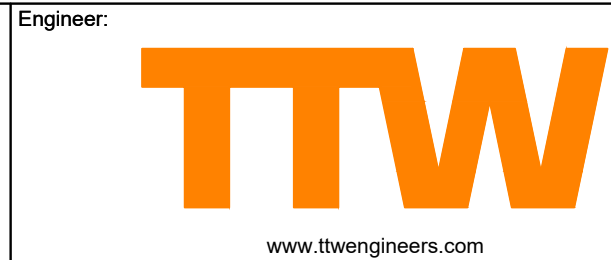
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PAVEMENT
DETAILS
SHEET 1

Scale at A1	Drawn	Designed	Approved
AS SHOWN	COY	JLO	AM
Project	Stage	Discipline	Company
File Type	Blg	Level	Sheet No.
Rev			
SYD1-ST200-CE-TTW-DRG-X-00-750001-B			
19.12.2025 11:39 AM			



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Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date
B	ISSUE FOR SSDA		ANMCOY 19.12.2025								
A	ISSUED FOR REVIEW		ANMCOY 27.11.2025								



Project:

GREEN SQUARE DC
3 BROOKHOLLOW AVE
BAULKHAM HILLS
NSW 2153

Drawing Title:

PAVEMENT
DETAILS

Project	Stage	Discipline	Company	File Type	Blg	Level	Sheet No.	Rev
SYD1-ST200-CE-TTW-DRG-X-00-750001-B								
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