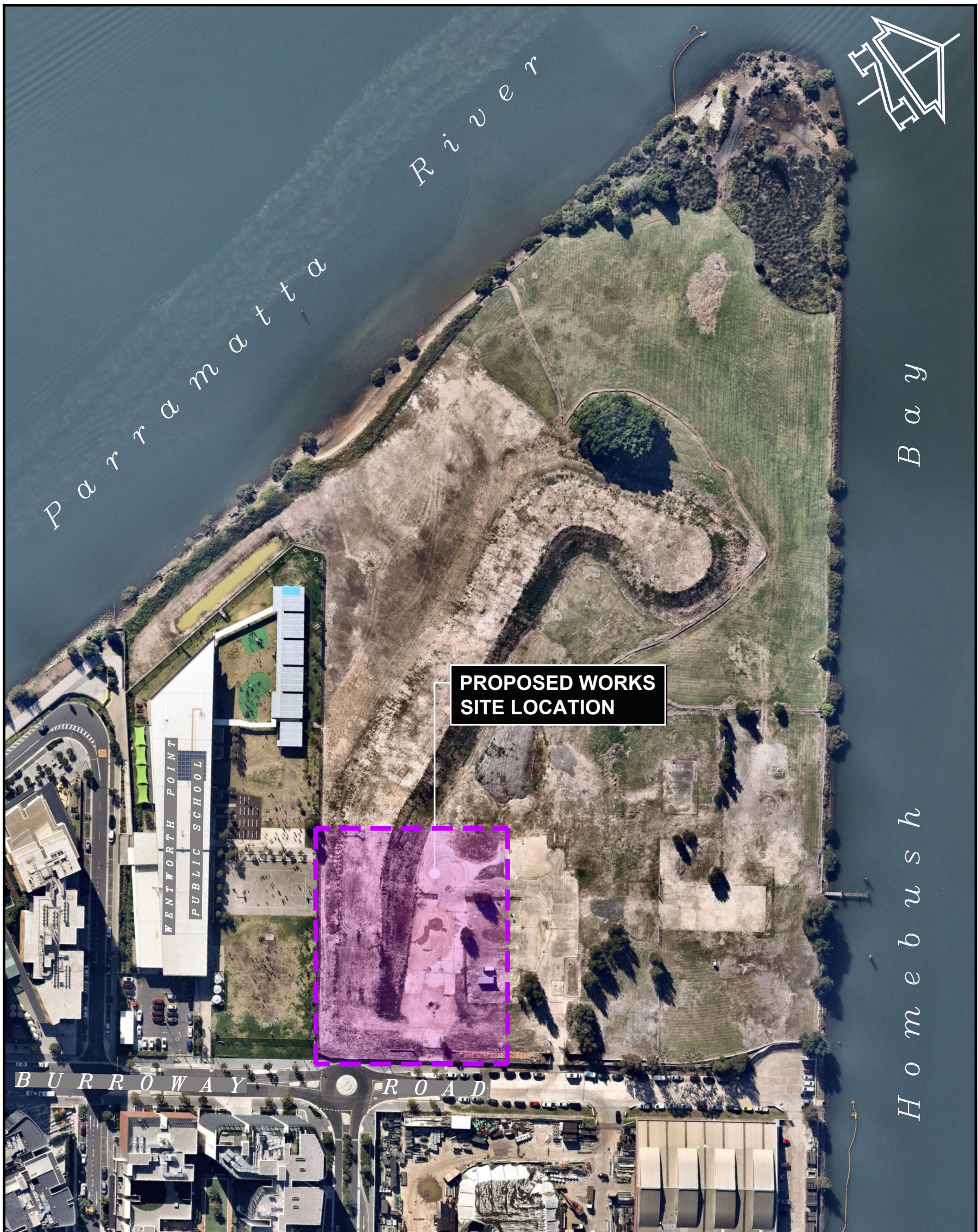


SYDNEY OLYMPIC PARK HIGH SCHOOL (SOPHS)

CIVIL WORKS



LOCALITY PLAN
NOT TO SCALE

DRAWING SCHEDULE

DRAWING NUMBER	DRAWING NAME
SOPHS-TTW-CV-L0-10000	COVER SHEET, LOCALITY PLAN AND DRAWING SCHEDULE
SOPHS-TTW-CV-L0-10001	GENERAL NOTES AND LEGENDS
SOPHS-TTW-CV-L0-10002	OVERALL SITE PLAN
SOPHS-TTW-CV-L0-10003	SEDIMENT AND EROSION CONTROL PLAN AND DETAILS
SOPHS-TTW-CV-L0-10010	STORMWATER CATCHMENT PLAN
SOPHS-TTW-CV-L0-10030	SITEWORKS AND STORMWATER MANAGEMENT PLAN
SOPHS-TTW-CV-L0-10040	CIVIL DETAILS, SHEET 1
SOPHS-TTW-CV-L0-10041	CIVIL DETAILS, SHEET 2
SOPHS-TTW-CV-L0-10050	BULK EARTHWORKS PLAN

ISSUE FOR SSDA

FILENAME: \\na\pds\lhead\pds\210266\ssda\SOPHS-TTW-CV-L0-10000.dwg - USER: qgrhw - Plot File Created: May 19, 2022 - 10:34am

A1 0 1 2 3 4 5 6 7 8 9 10

						ARCHITECT: WOODS BAGOT LEVEL 2 60 CARRINGTON STREET SYDNEY NSW 2000 PO BOX N19 GROSVENOR PLACE NSW 1220			ENGINEER: TTW Structural Civil Traffic Façade 612 9439 7288 Level 6, 73 Miller Street, North Sydney, NSW 2060			PROJECT: SYDNEY OLYMPIC PARK HIGH SCHOOL (SOPHS) 7-9 BURROWAY ROAD, WENTWORTH POINT NSW 2127			DRAWING NAME: COVER SHEET, LOCALITY PLAN AND DRAWING SCHEDULE			SCALE : A1 N/A			DRAWN BY LA			AUTHORISED BY SB		
02 ISSUE FOR SSDA			SF WW 19.05.22															DRAWING No SOPHS-TTW-CV-L0-10000			REVISION 02					
01 ISSUE FOR SSDA			SF WW 13.05.22																							
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Plot File Created: May 19, 2022 - 10:34am

GENERAL NOTES

- Contractor must verify all dimensions and existing levels on site prior to commencement of works. Any discrepancies to be reported to the Engineer.
- Strip all topsoil from the construction area. All stripped topsoil shall be disposed of off-site unless directed otherwise.
- Make smooth connection with all existing works.
- 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.
- 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.
- 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.
- For all temporary batters refer to geotechnical recommendations.

REFERENCE DRAWINGS

- 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	Dwg Title	Dwg No	Rev	Date
LTS	PLAN OF DETAIL	51086001DT	C	21/04/21
URBIS	GROUND FLOOR	AR-DA1102	G	22/05/22

SURVEY AND SERVICES INFORMATION

SURVEY

Origin of levels : SSM 99411 R.L. 2.094m
Datum of levels : A.H.D.
Coordinate system : MGA (GDA 2020)
Survey prepared by : LTS
Setout Points : -

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

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.

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.

Taylor Thomson Whitting does not guarantee that the services information shown on these drawings shows more than the presence or absence of services, and will accept no liability for inaccuracies in the services information shown from any cause whatsoever.

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.

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.

Taylor Thomson Whitting plans do not indicate the presence of any survey mark. The contractor is to undertake their own search.

BOUNDARY AND EASEMENT NOTE

The property boundary and easement locations shown on Taylor Thomson Whitting drawing's have been based from information received from : LTS dated Feb 2021
801 Pacific Highway, Gordon, NSW 2072
P: 1300 587 000

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.

SAFETY IN DESIGN

Contractor to refer to Appendix B of the Civil Specification for the Civil Risk and Solutions Register.

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.

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 practicably possible from existing structure(s).

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 practicably possible from existing trees. Advice needs to be sought from Arborist and/or Landscape Architect on measures required to protect trees.

GROUNDWATER

Contractor to be aware ground water levels are close to existing surface level. Temporary de-watering may be required during construction works.

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.

GROUND CONDITIONS

Contractor to be aware of the site geotechnical conditions. Refer to geotechnical report by DOUGLAS PARTNERS for details.

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 GREENCAP for details.

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.

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.

WATER POLLUTION

Contractor to ensure appropriate measures are taken to prevent pollutants from construction works contaminating the surrounding environment.

SITE ACCESS/EGRESS

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.

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.

SITWORKS NOTES

- All basecourse material to comply with RMS specification No 3051 and compacted to minimum 98% modified standard dry density in accordance with AS 1289 5.2.1.
- All trench backfill material shall be compacted to the same density as the adjacent material.
- All service trenches under vehicular pavements shall be backfilled with an approved select material and compacted to a minimum 98% standard maximum dry density in accordance with AS 1289 5.1.1

STORMWATER DRAINAGE NOTES

- Stormwater Design Criteria :
 - Average exceedance probability –
1% AEP for roof drainage to first external pit
5% AEP for paved and landscaped areas
 - Rainfall intensities –
Time of concentration: 5 minutes
1% AEP = 227.0 mm/hr
5% AEP = 176.0 mm/hr
 - Rainfall losses –
Impervious areas: IL = 1.5 mm , CL = 0 mm/hr
Pervious areas: IL = 33 mm , CL =0.72mm/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 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.
- Core 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.
- Adapt invert levels for pipe installation (grades shown are only nominal).

CONCRETE NOTES

EXPOSURE CLASSIFICATION : External : B2

CONCRETE

Place concrete of the following characteristic compressive strength f'c as defined in AS 1379.

Location	AS 1379 f'c MPa at 28 days	Specified Slump	Nominal Agg. Size
Kerbs	S20	80	20
Retaining wall footing	S40	80	20

- Use Type "OP" cement, unless otherwise specified.
- All concrete shall be subject to project assessment and testing to AS 1379.
- Consolidate by mechanical vibration. Cure all concrete surfaces as directed in the Specification.
- For all falls in slab, drip grooves, reglets, chamfers etc. refer to Architects drawings and specifications.
- Unless shown on the drawings, the location of all construction joints shall be submitted to Engineer for review.
- No holes or chases shall be made in the slab without the approval of the Engineer.
- Conduits and pipes are to be fixed to the underside of the top reinforcement layer.
- Slurry used to lubricate concrete pump lines is not to be used in any structural members.
- All slabs cast on ground require sand blinding with a Concrete Underlay

FORMWORK

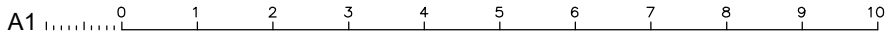
- The design, certification, construction and performance of the formwork, falsework and backpropping shall be the responsibility of the contractor. Proposed method of installation and removal of formwork is to be submitted to the superintendent for comment prior to work being carried out.

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			ARCHITECT: WOODS BAGOT LEVEL 2 60 CARRINGTON STREET SYDNEY NSW 2000 PO BOX N19 GROSVENOR PLACE NSW 1220	ENGINEER:  612 9439 7288 Level 6, 73 Miller Street, North Sydney, NSW 2060	PROJECT: SYDNEY OLYMPIC PARK HIGH SCHOOL (SOPHS) 7-9 BURROWAY ROAD, WENTWORTH POINT NSW 2127	DRAWING NAME: GENERAL NOTES AND LEGENDS DRAWING No SOPHS-TTW-CV-L0-10001 Plot File Created: May 19, 2022 - 10:28am	SCALE : A1 N/A DRAWN BY LA AUTHORISED BY SB REVISION 02
02 ISSUE FOR SSDA	SF	WW	19.05.22				
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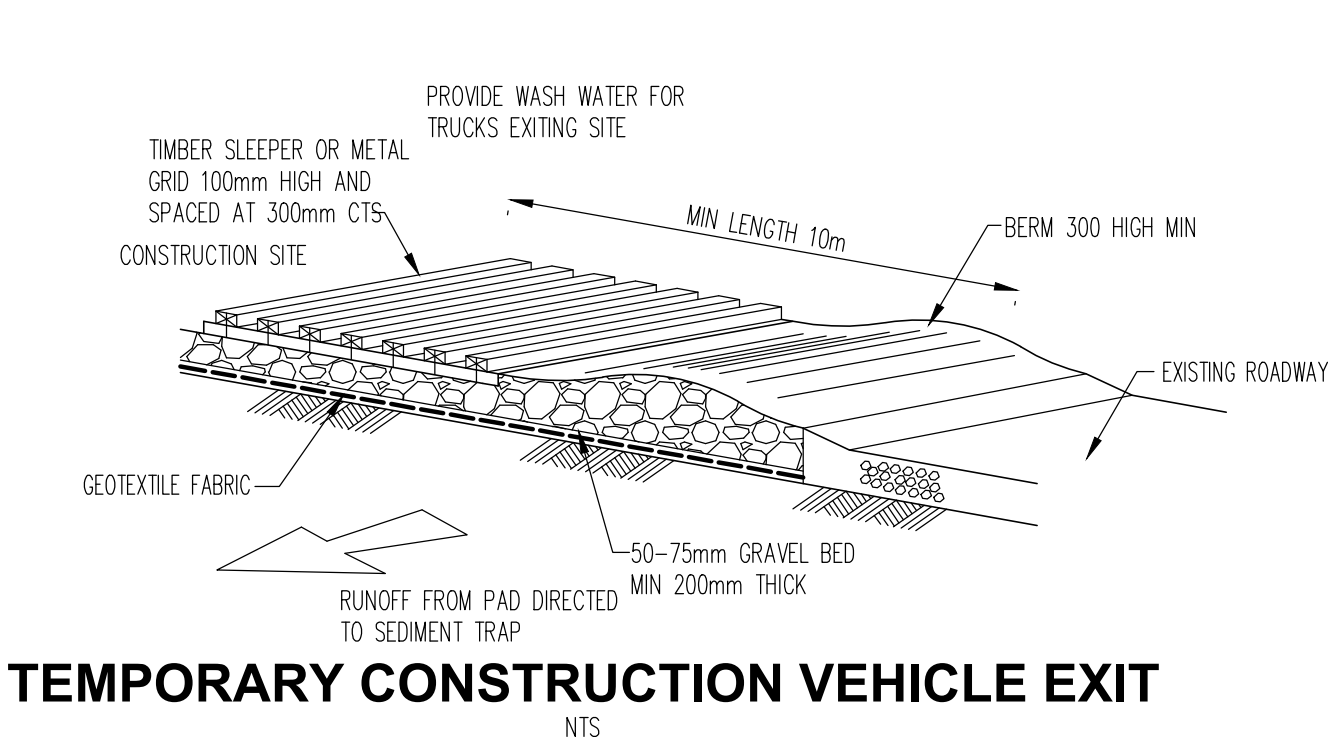
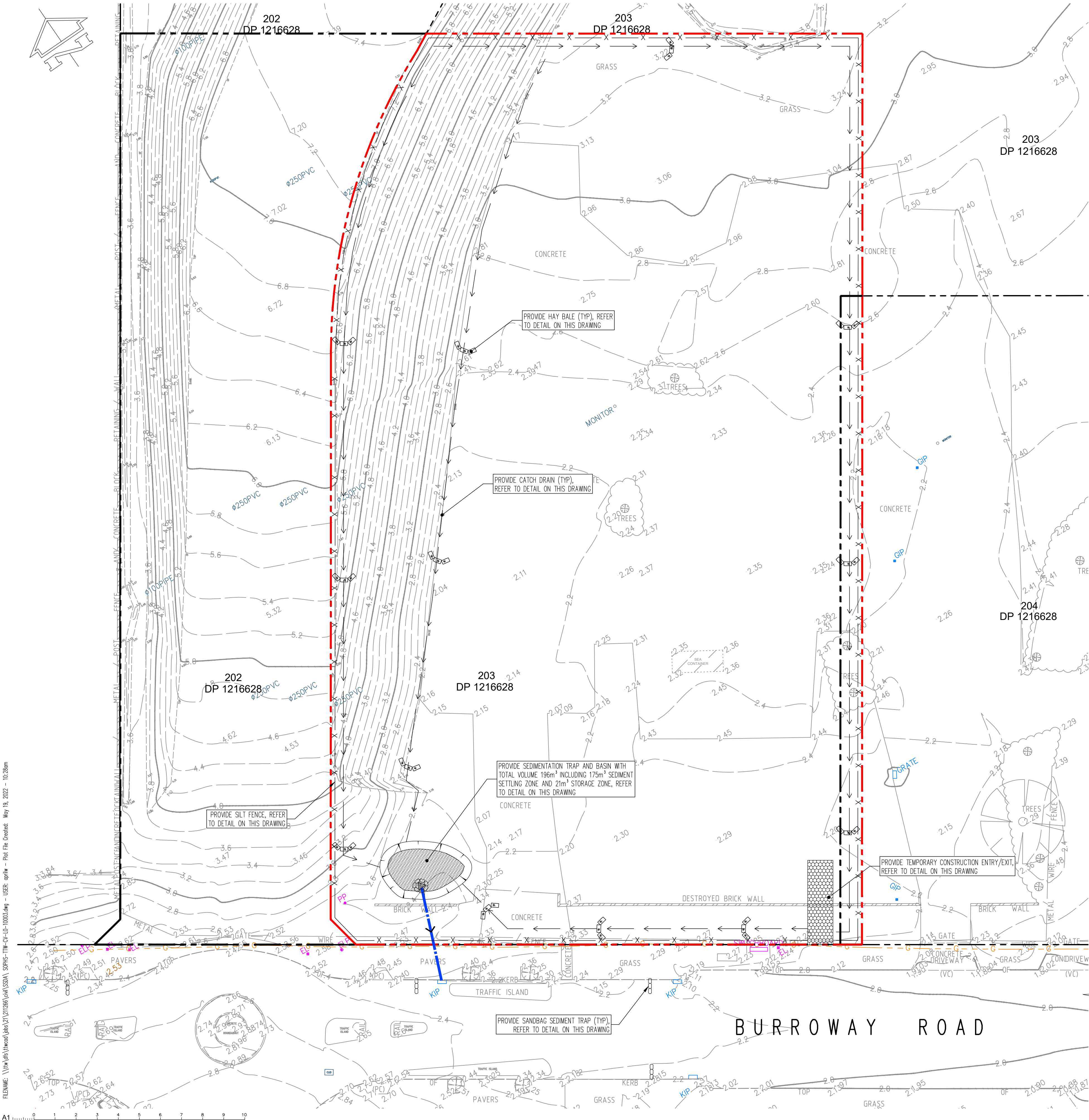


ARCHITECT:
WOODS BAGOT
LEVEL 2
60 CARRINGTON STREET
SYDNEY NSW 2000
PO BOX N19
GROSVENOR PLACE NSW 1220

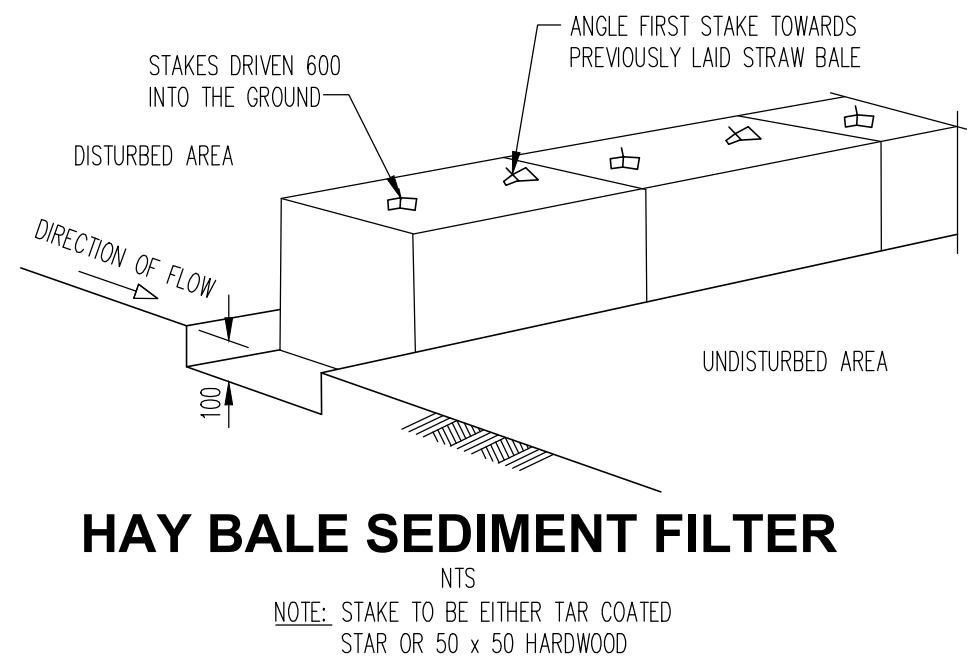
PROJECT:
SYDNEY OLYMPIC PARK HIGH SCHOOL
(SOPHS)
7-9 BURROWAY ROAD,
WENTWORTH POINT NSW 2127

TTW JOB No: 211266

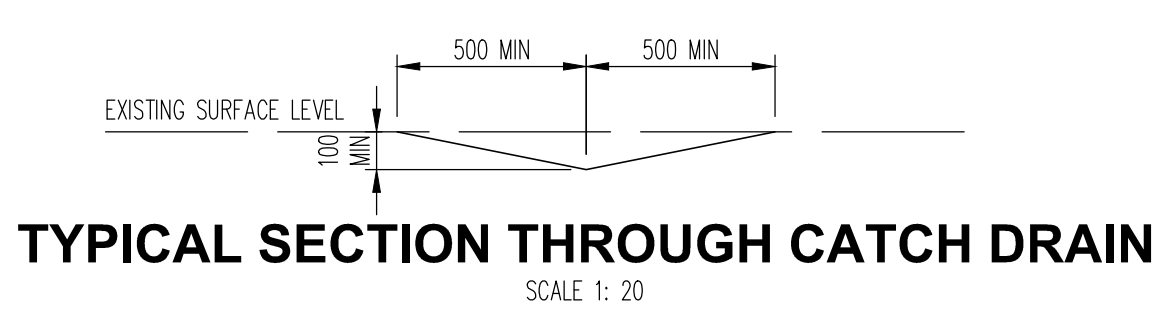
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Plot File Created: May 19, 2022 - 3:02pm		



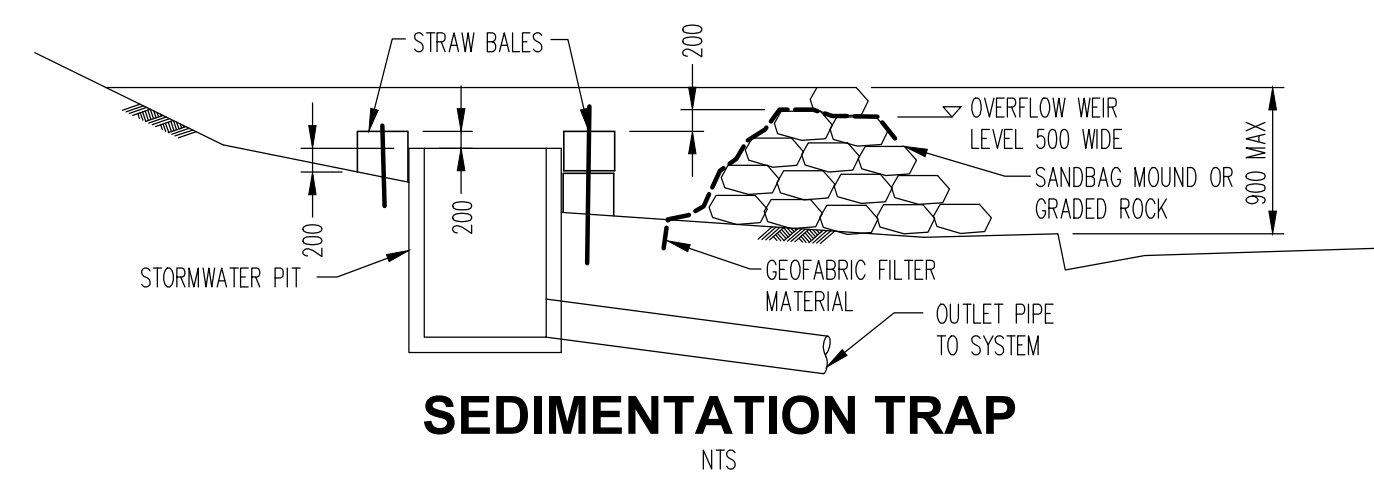
TEMPORARY CONSTRUCTION VEHICLE EXIT



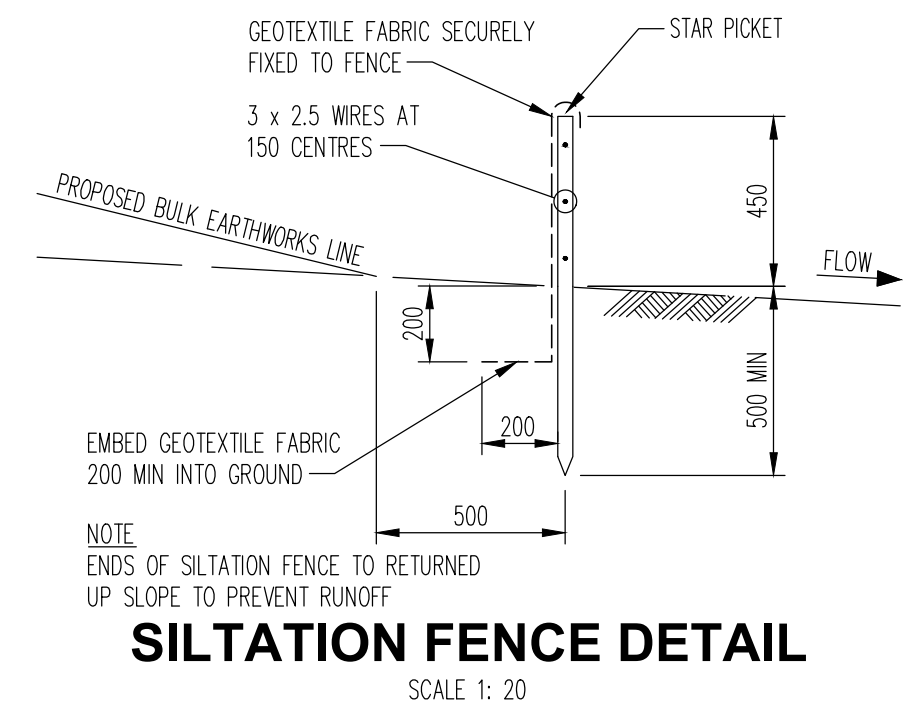
HAY BALE SEDIMENT FILTER



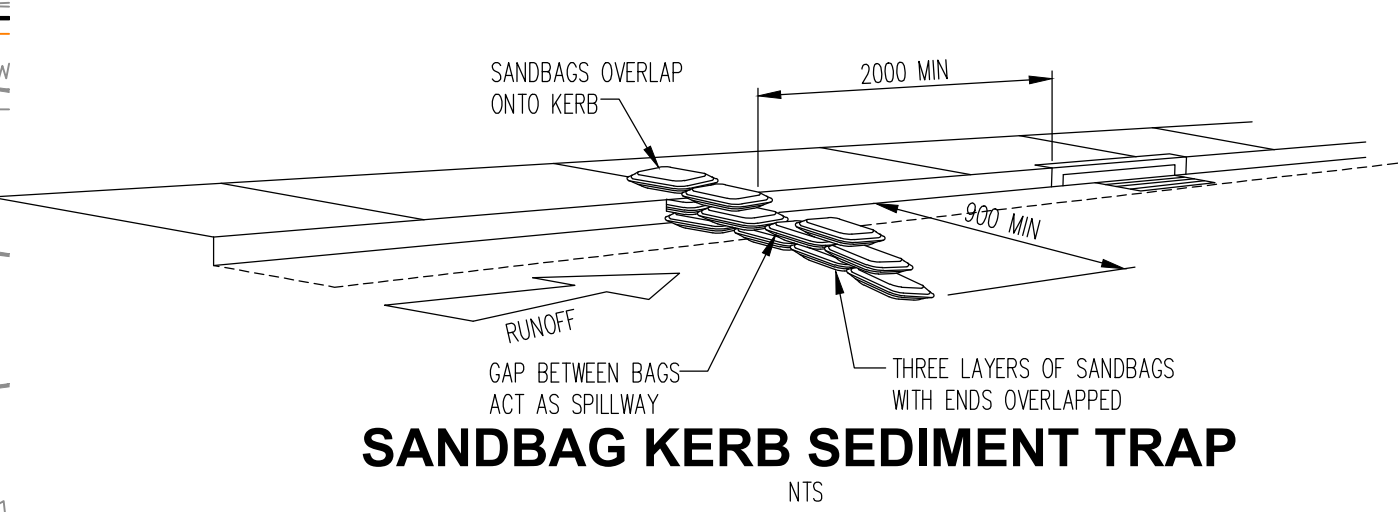
TYPICAL SECTION THROUGH CATCH DRAIN



SEDIMENTATION TRAP



SILTATION FENCE DETAIL



SANDBAG KERB SEDIMENT TRAP

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EROSION AND SEDIMENT CONTROL NOTES

- 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").
- 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.
- Maintain all erosion and sediment control devices to the satisfaction of the superintendent and the local authority.
- When stormwater pits are constructed prevent site runoff entering the pits unless silt fences are erected around pits.
- Minimise the area of site being disturbed at any one time.
- Protect all stockpiles of materials from scour and erosion. Do not stockpile loose material in roadways, near drainage pits or in watercourses.
- 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.
- Control water from upstream of the site such that it does not enter the disturbed site.
- All construction vehicles shall enter and exit the site via the temporary construction entry/exit.
- All vehicles leaving the site shall be cleaned and inspected before leaving.
- Maintain all stormwater pipes and pits clear of debris and sediment. Inspect stormwater system and clean out after each storm event.
- Clean out all erosion and sediment control devices after each storm event.

Sequence Of Works

- Prior to commencement of excavation the following soil management devices must be installed.
- Construct silt fences below the site and across all potential runoff sites.
- Construct temporary construction entry/exit and divert runoff to suitable control systems.
- Construct measures to divert upstream flows into existing stormwater system.
- Construct sedimentation traps/basin including outlet control and overflow.
- Construct turf lined swales.
- Provide sandbag sediment traps upstream of existing pits.
- Construct geotextile filter pit surround around all proposed pits as they are constructed.
- On completion of pavement provide sand bag kerb inlet sediment traps around pits.
- Provide and maintain a strip of turf on both sides of all roads after the construction of kerbs.

WATER QUALITY TESTING REQUIREMENTS

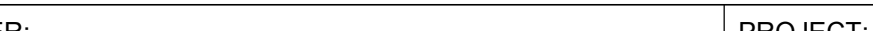
Prior to discharge of site stormwater, groundwater and seepage water into council's stormwater system, contractors must undertake water quality tests in conjunction with a suitably qualified environment consultant outlining the following:

- 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 Council's 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 Council's storm water drainage system. Outlining the proposed, ongoing monitoring, contingency plans and validation program that will be in place to continually monitor the quality of water discharged from this site. This should outline the frequency of water quality testing that will be undertaken by a suitably qualified environmental consultant.

EROSION AND SEDIMENT CONTROL LEGEND

- x x Siltation fence
- ← Catch drain
- Hay bale barriers
- Sandbag sediment trap

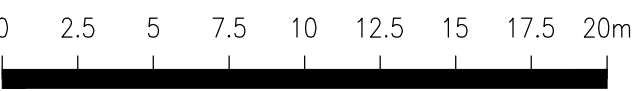
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										ARCHITECT: WOODS BAGOT LEVEL 2 60 CARRINGTON STREET SYDNEY NSW 2000 PO BOX N19 GROSVENOR PLACE NSW 1220										ENGINEER:  612 9439 7288 Level 6, 73 Miller Street, North Sydney, NSW 2060										PROJECT: SYDNEY OLYMPIC PARK HIGH SCHOOL (SOPHS) 7-9 BURROWAY ROAD, WENTWORTH POINT NSW 2127										DRAWING NAME: SEDIMENT AND EROSION CONTROL PLAN AND DETAILS										SCALE : A1 AS NOTED										DRAWN BY LA										AUTHORISED BY 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E: GRATED STORMWATER INLET PITS TO HAVE
ANGUARD FILTER BASKET OR APPROVED EQUIVALENT



Not File Created: May 19, 2022 - 3:02pm

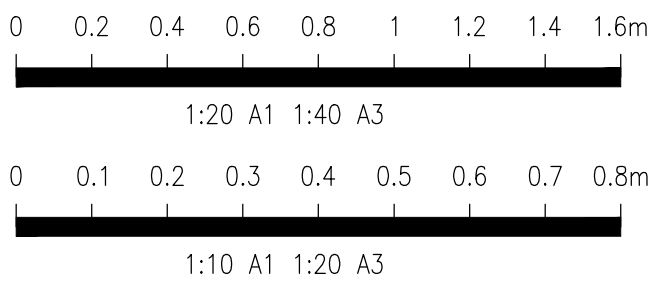
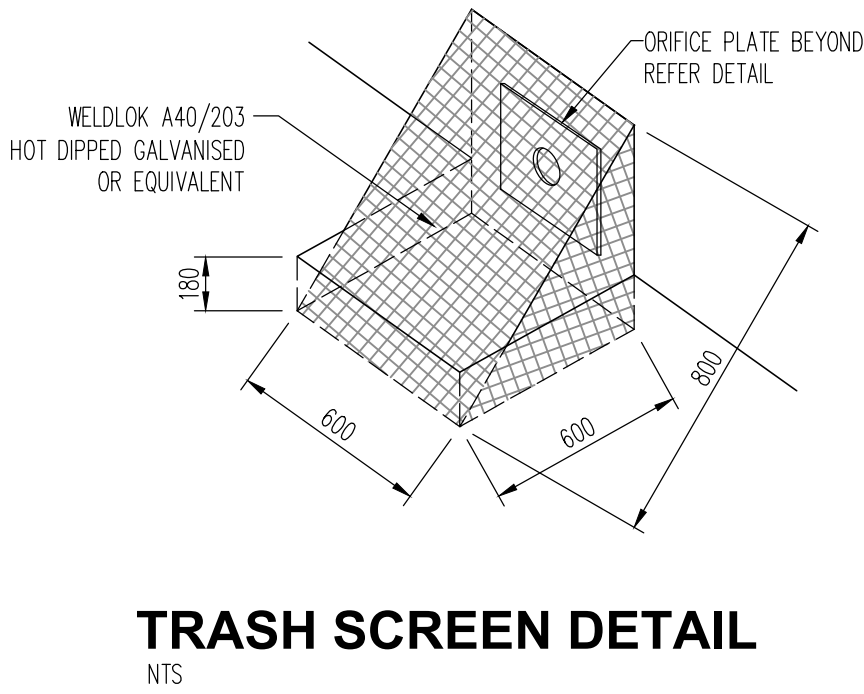
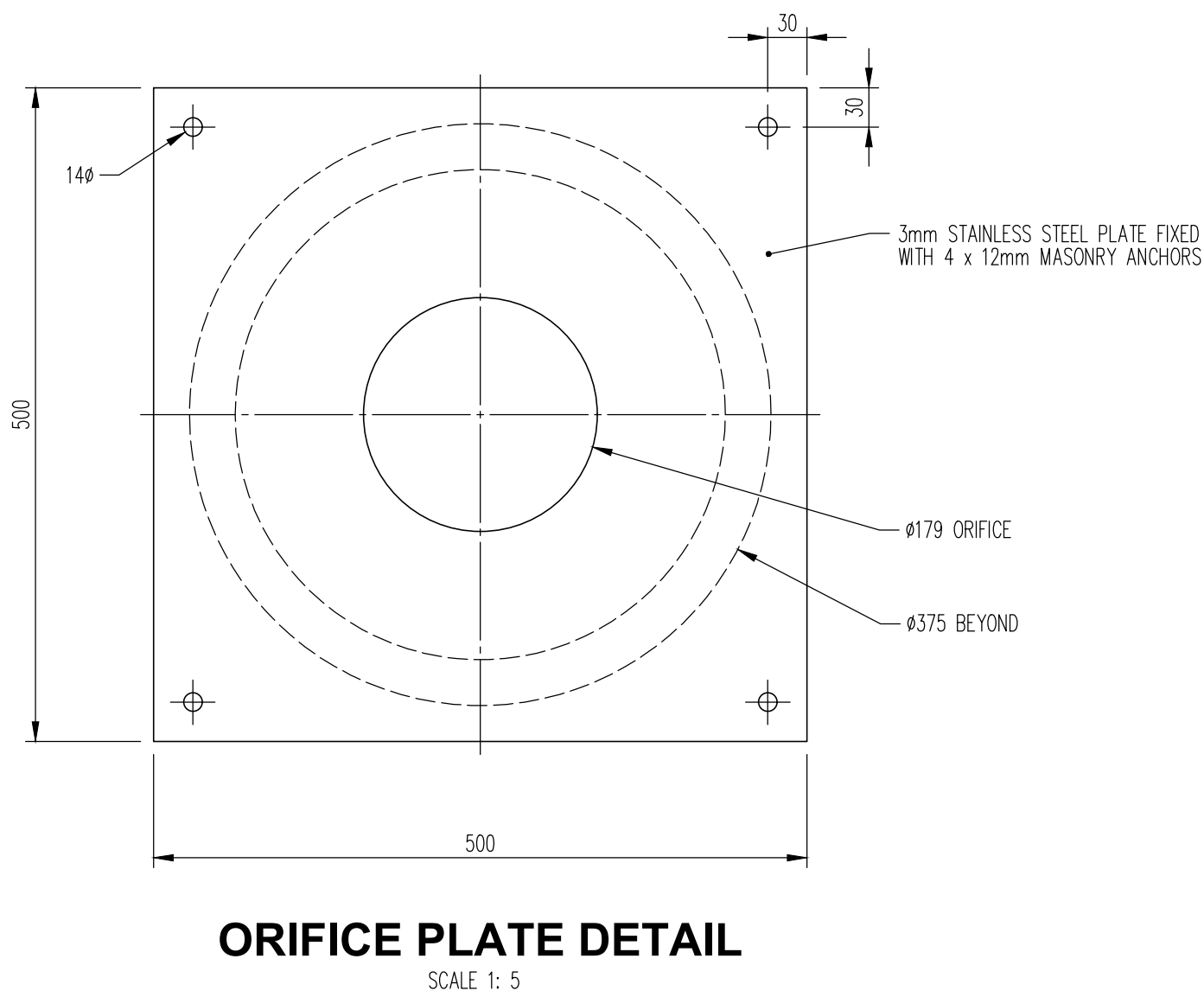
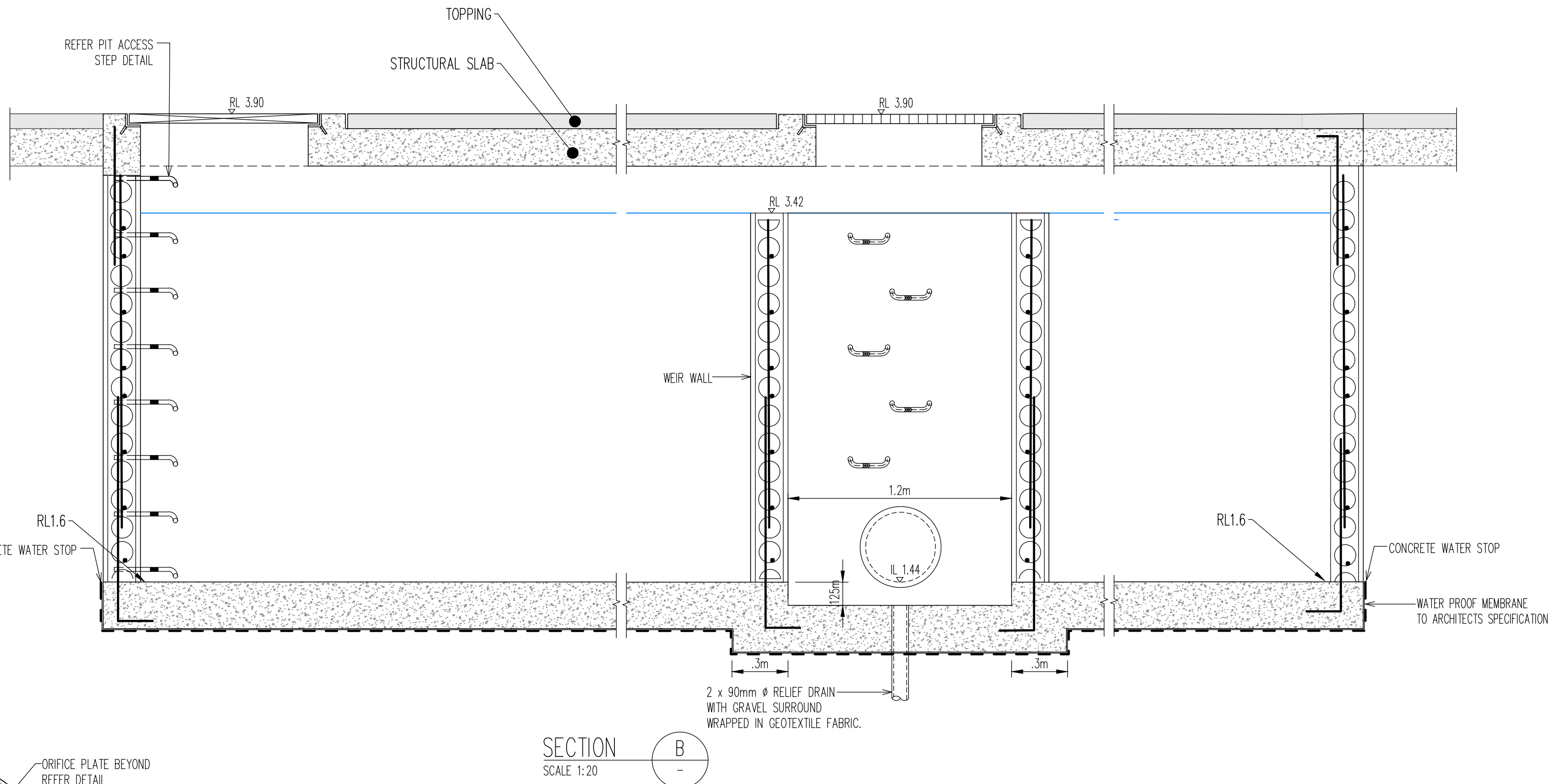
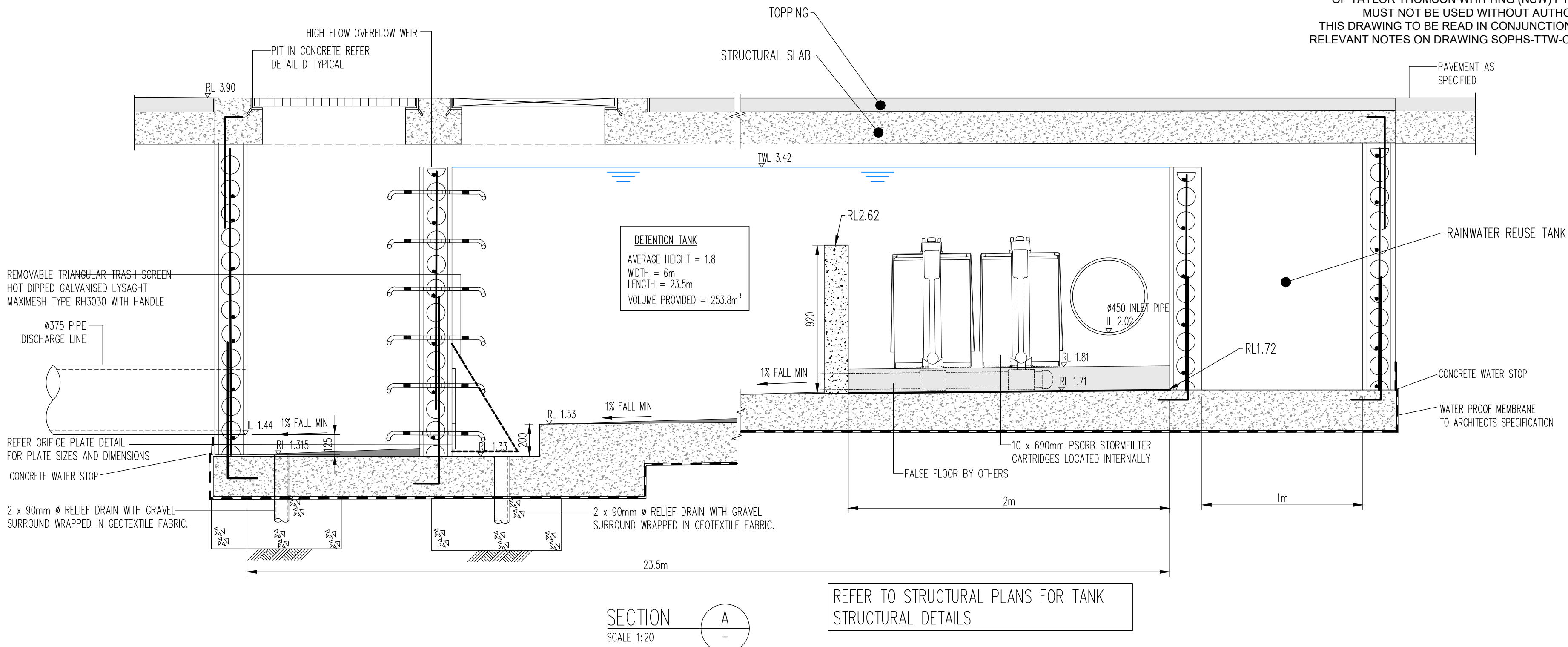
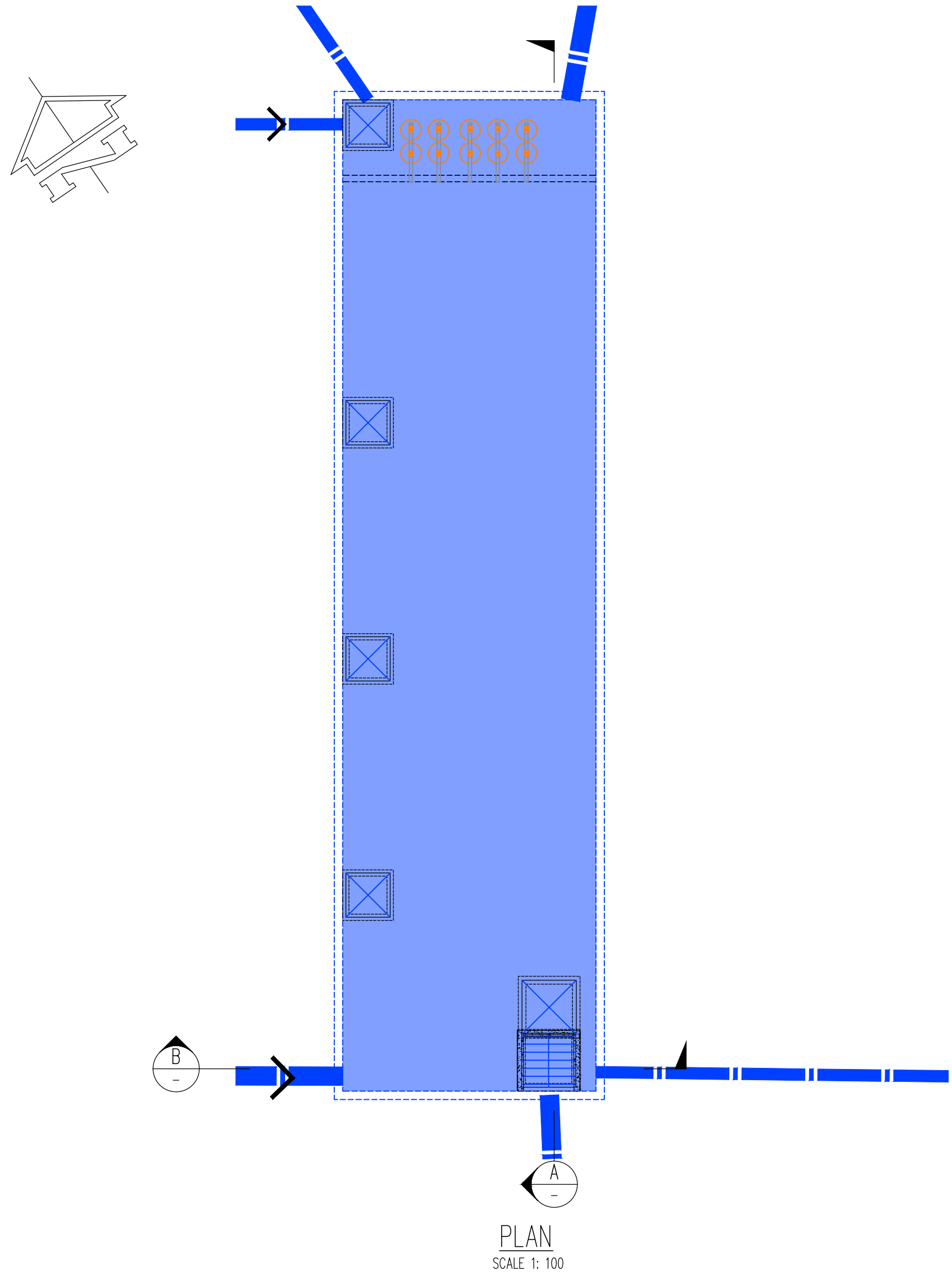
ARCHITECT:
WOODS BAGOT
LEVEL 2
60 CARRINGTON STREET
SYDNEY NSW 2000
PO BOX N19
GROSVENOR PLACE NSW 1220

612 9439 7288 | Level 6, 73 Miller Street, North Sydney, NSW 2060

PROJECT:
SYDNEY OLYMPIC PARK HIGH SCHOOL
(SOPHS)
7-9 BURROWAY ROAD,
WENTWORTH POINT NSW 2127

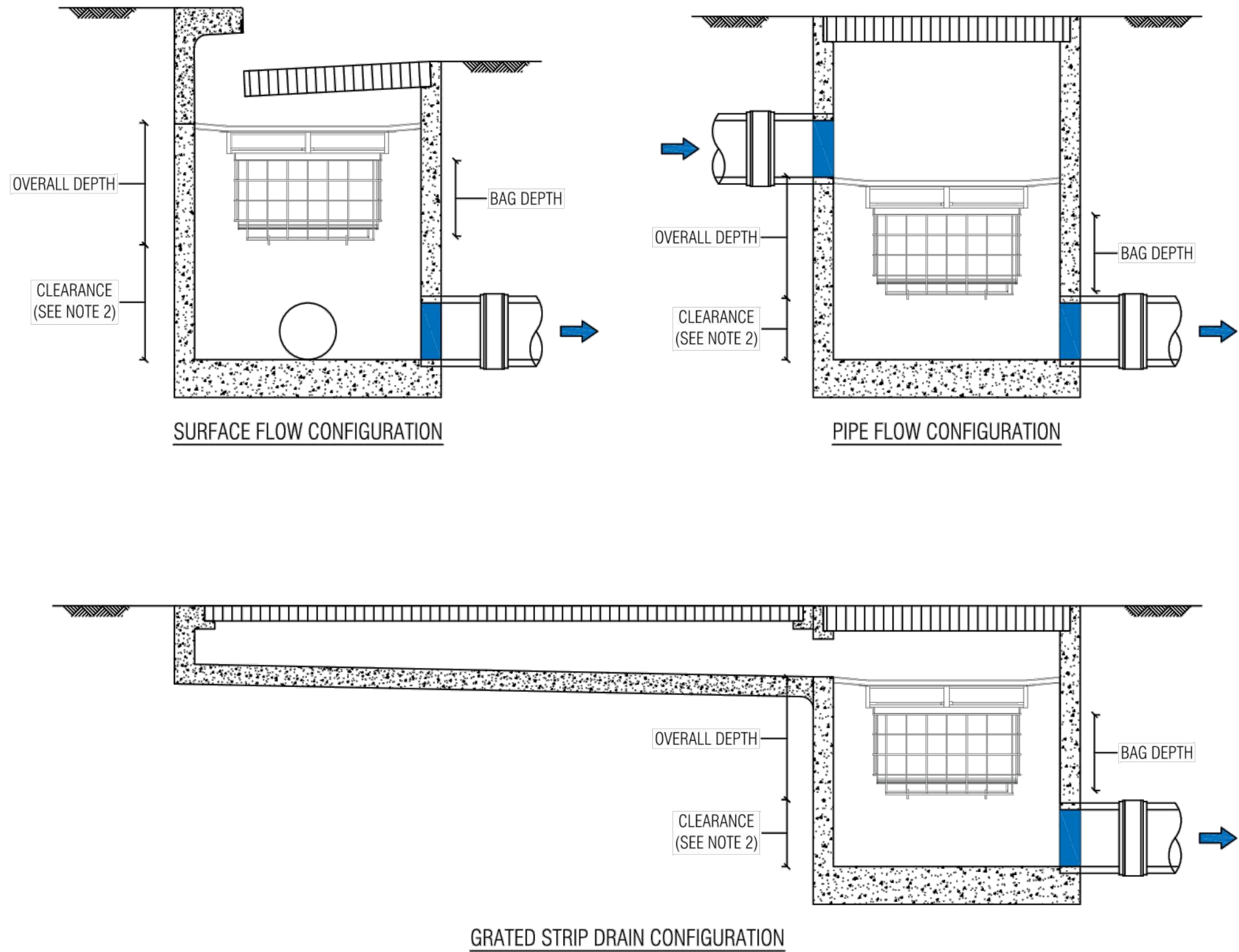
DRAWING NAME:
SITEWORKS AND STORMWATER
MANAGEMENT PLAN

TTW JOB No: 211266



ISSUE FOR SSDA

A1.....0 1 2 3 4 5 6 7 8 9 10									



PLAN ID	MAXIMUM PIT PLAN DIMENSIONS
S	450mm x 450mm
M	600mm x 600mm
L	900mm x 900mm
XL	1200mm x 1200mm

DEPTH ID	BAG DEPTH	OVERALL DEPTH
1	170	270
2	300	450
3	600	700

PLAN ID	DEPTH ID		
	1	2	3
S	■	■	■
M	■	■	■
L	■	■	■
XL	■	■	■



GENERAL NOTES

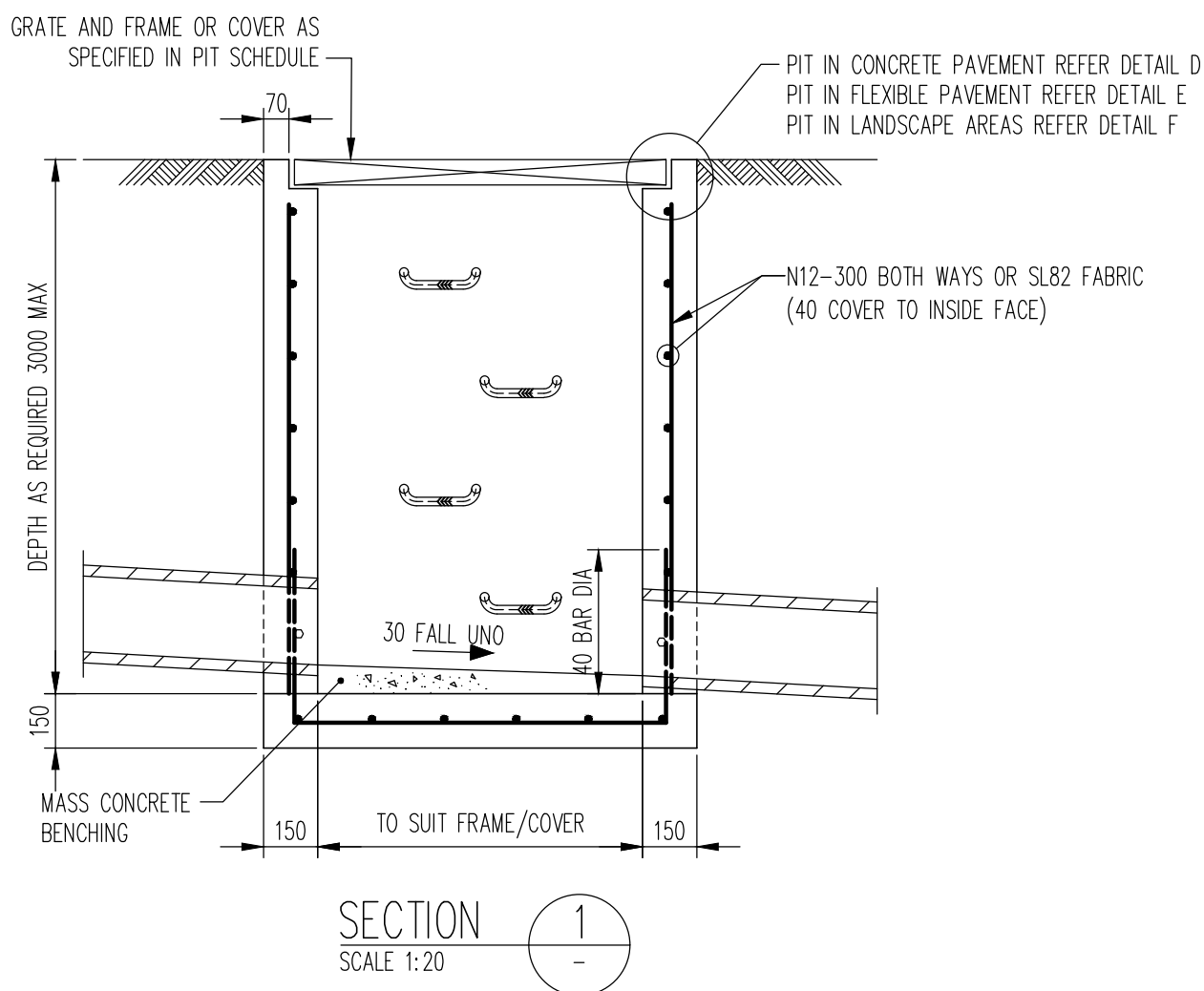
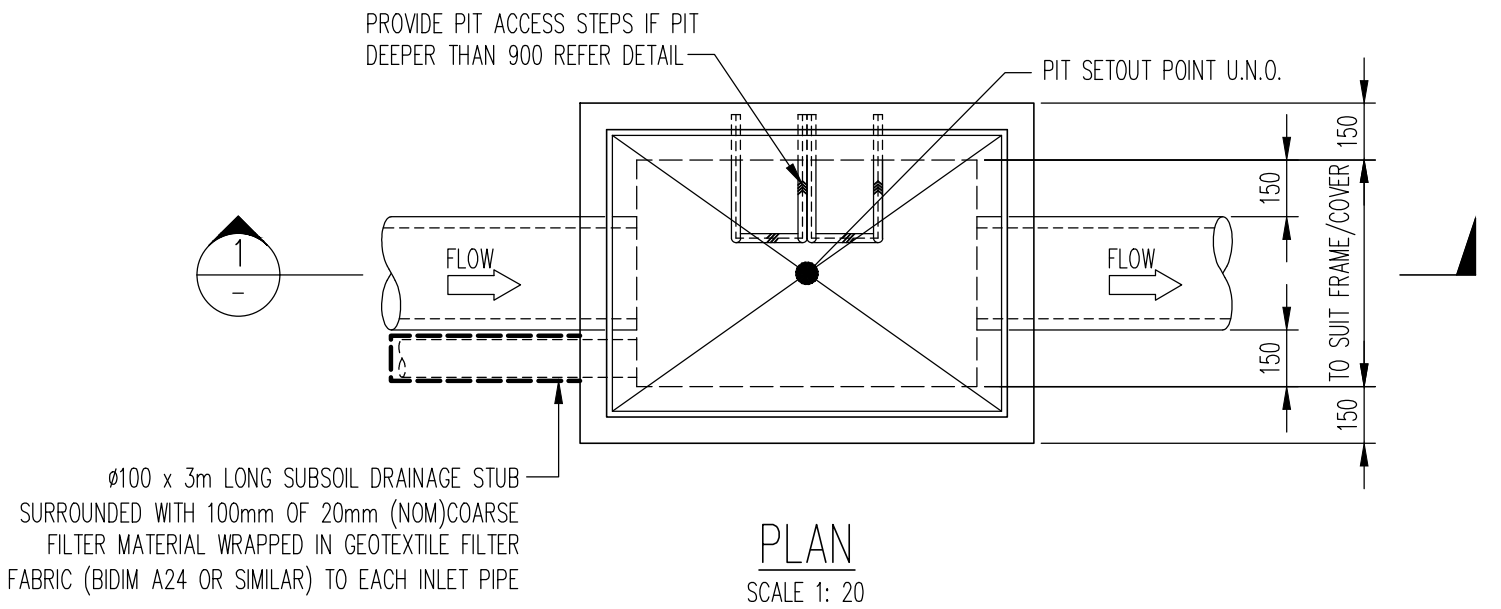
- THE MINIMUM CLEARANCE DEPENDS ON THE CONFIGURATION (SEE NOTE 2) AND THE LOCAL COUNCIL REQUIREMENTS.
- CLEARANCE FOR ANY PIT WITHOUT AN INLET PIPE (ONLY USED FOR SURFACE FLOW) CAN BE AS LOW AS 50mm. FOR OTHER PITS, THE RECOMMENDED CLEARANCE SHOULD BE GREATER OR EQUAL TO THE PIPE OBVERT SO AS NOT TO INHIBIT HYDRAULIC CAPACITY.
- OCEAN PROTECT PROVIDES TWO FILTRATION BAG TYPES:- 200 MICRON BAGS FOR HIGHER WATER QUALITY FILTERING AND A COARSE BAG FOR TARGETING GROSS POLLUTANTS.
- DRAWINGS NOT TO SCALE.



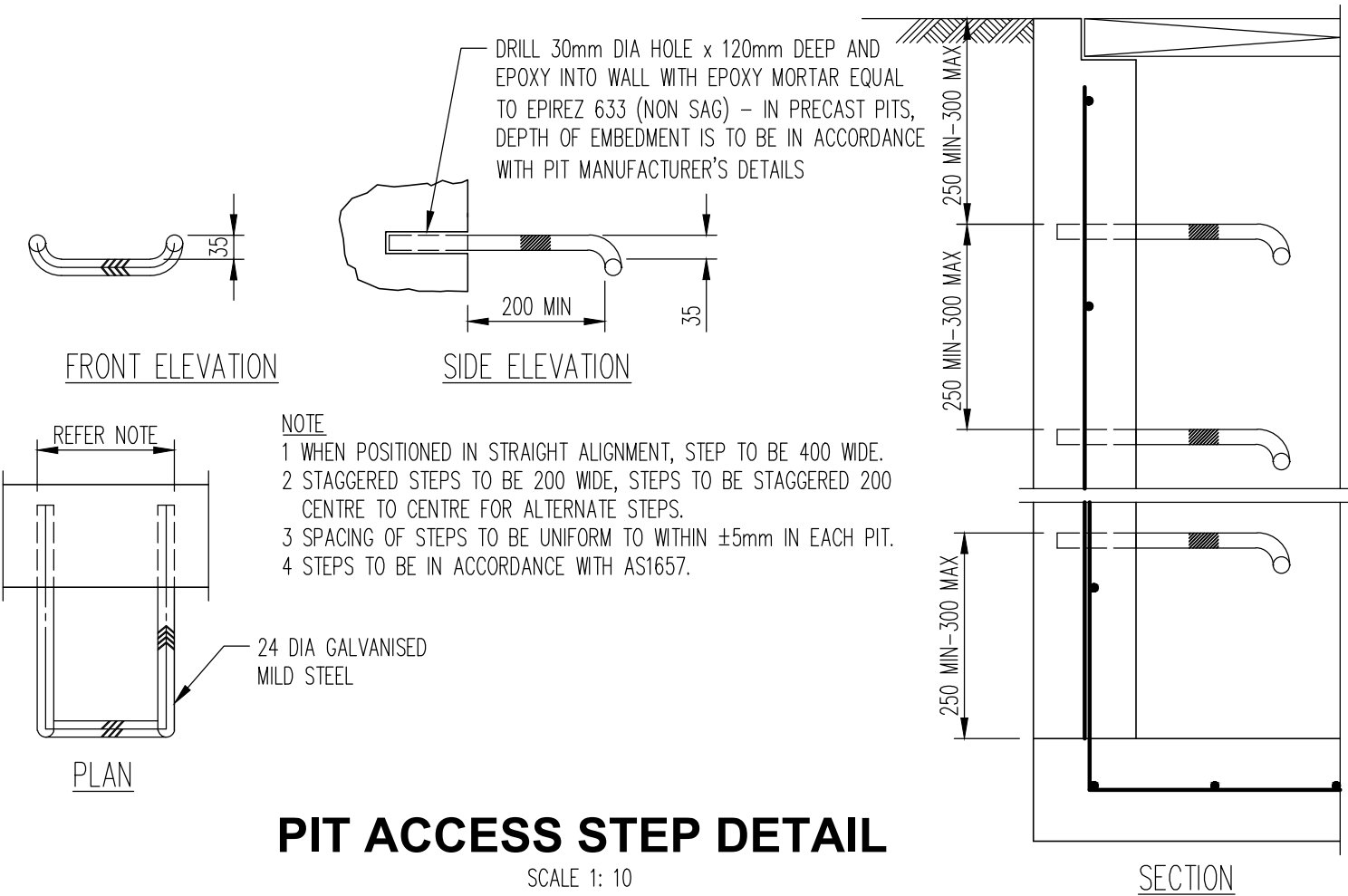
PHONE: 1300 354 722 www.oceanprotect.com.au

OCEAN PROTECT
OCEANGUARD
TYPICAL ARRANGEMENTS
SPECIFICATION DRAWING

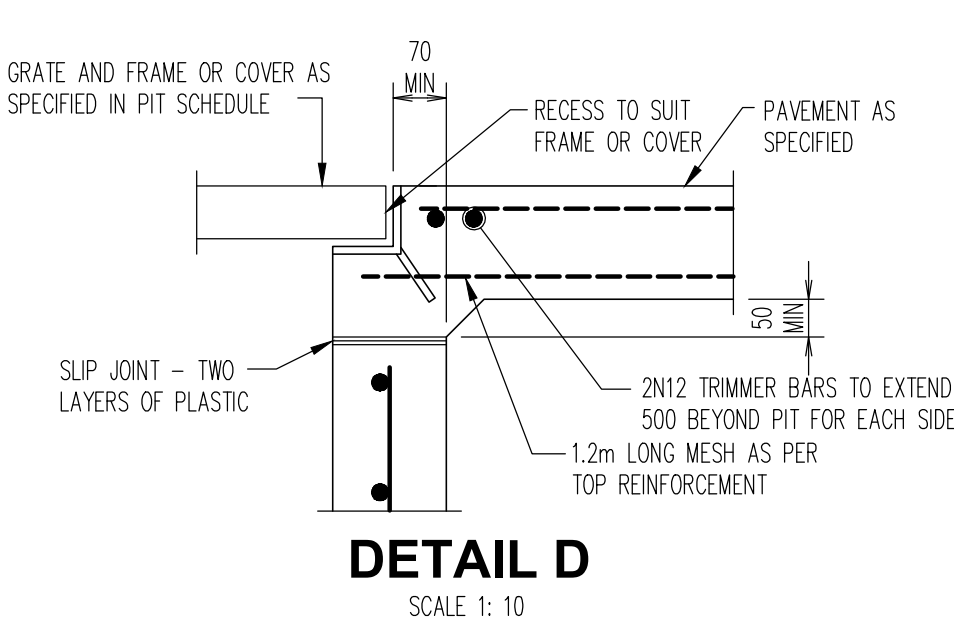
NOTE: IF REINFORCING FABRIC IS TO BE USED
REFER TO WALL AND CORNER DETAILS



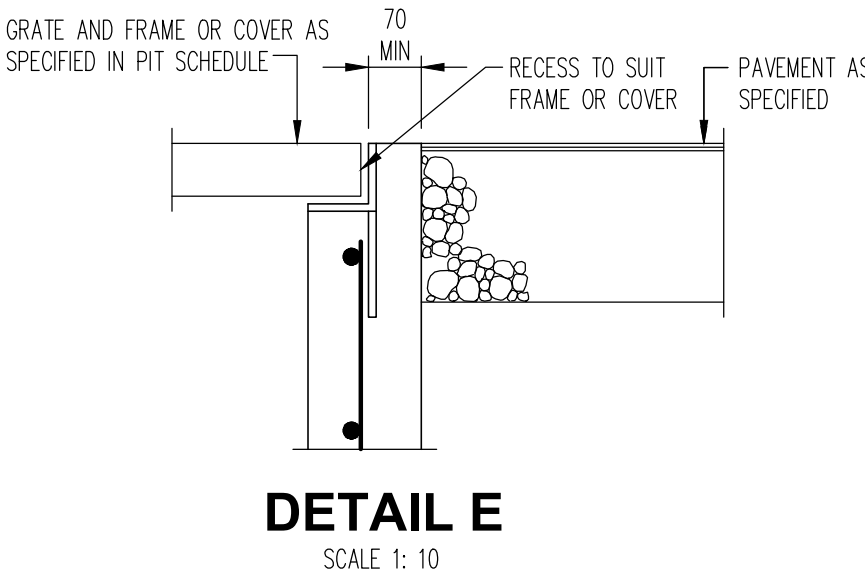
PIT TYPE A



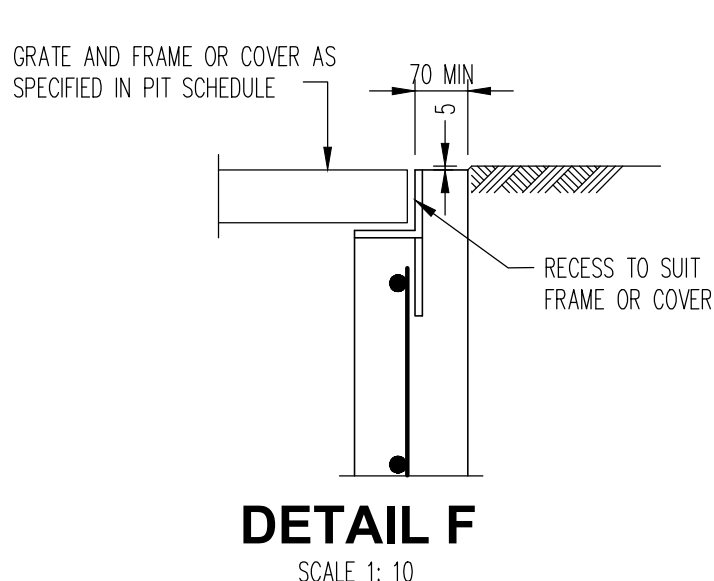
PIT ACCESS STEP DETAIL
SCALE 1: 10



DETAIL D
SCALE 1: 10



DETAIL E
SCALE 1: 10



DETAIL F
SCALE 1: 10

ISSUE FOR SSDA

A1 0 1 2 3 4 5 6 7 8 9 10

REV	DESCRIPTION	CHK	DR	DATE	REV	DESCRIPTION	CHK	DR	DATE
02	ISSUE FOR SSDA	SF	WW	19.05.22					
01	ISSUE FOR SSDA	SF	WW	13.05.22					

ARCHITECT:
WOODS BAGOT
LEVEL 2
60 CARRINGTON STREET
SYDNEY NSW 2000
PO BOX N19
GROSVENOR PLACE NSW 1220

ENGINEER:
TTW Structural
Civil
Traffic
Façade
612 9439 7288 | Level 6, 73 Miller Street, North Sydney, NSW 2060

PROJECT:
SYDNEY OLYMPIC PARK HIGH SCHOOL
(SOPHS)
7-9 BURROWAY ROAD,
WENTWORTH POINT NSW 2127

DRAWING NAME:
CIVIL DETAILS, SHEET 2
TTW JOB No: 211266

SCALE : A1
NTS
DRAWN BY
LA
AUTHORISED BY
SB
REVISION
02
Plot File Created: May 19, 2022 - 3:02pm

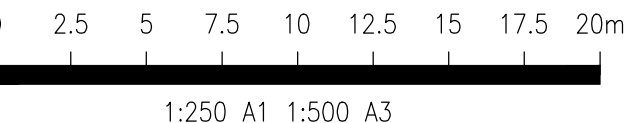
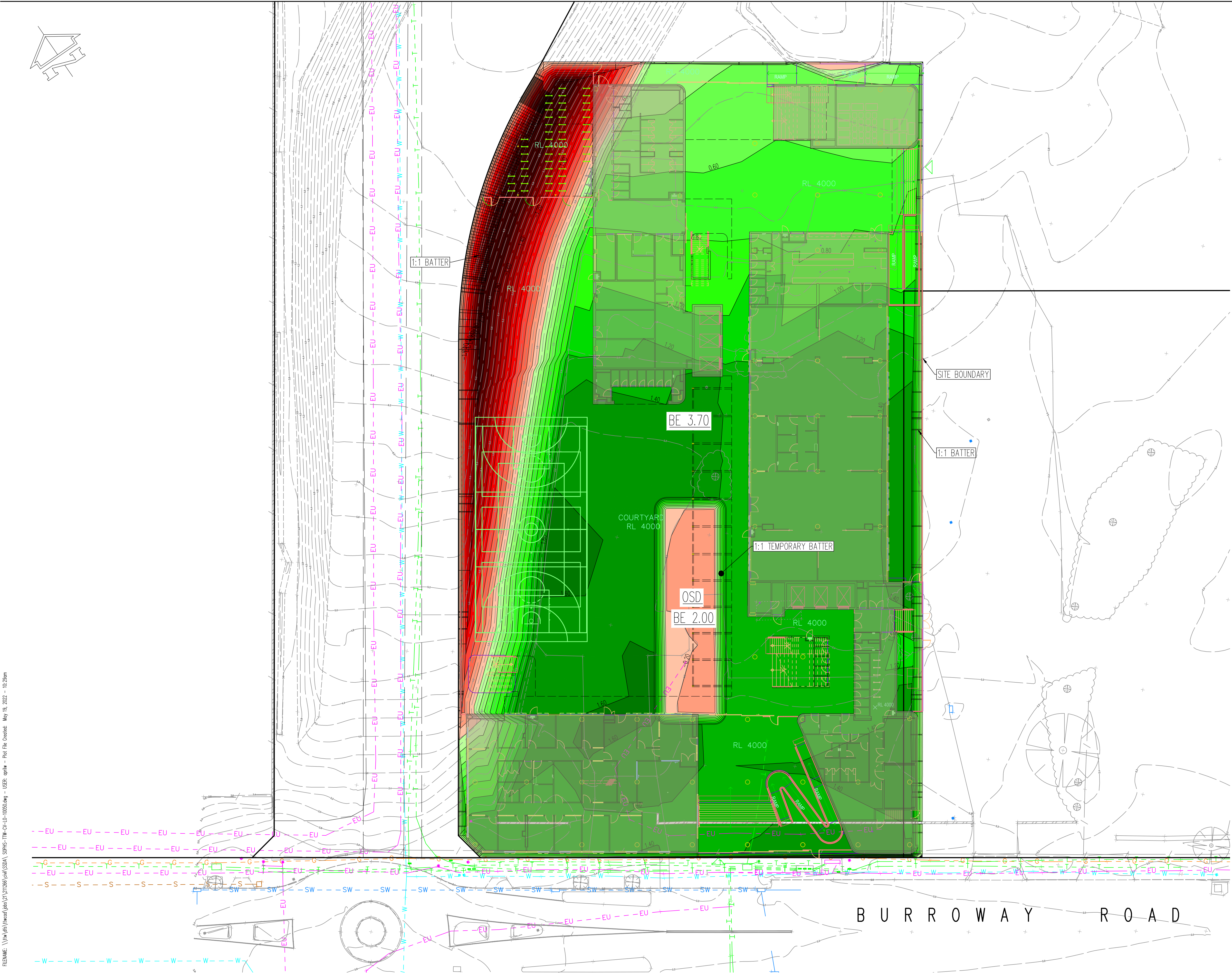
BULK EARTHWORKS CUT AND FILL			
Lower_value	Upper_value	Colour	
-5	to -2	m	
-2	to -1.8	m	
-1.8	to -1.6	m	
-1.6	to -1.4	m	
-1.4	to -1.2	m	
-1.2	to -1	m	
-1	to -.8	m	
-.8	to -.6	m	
-.6	to -.4	m	
-.4	to -.2	m	
-.2	to 0.00	m	
0.000	to 0.2	m	
0.2	to .4	m	
.4	to .6	m	
.6	to .8	m	
.8	to 1	m	
1	to 1.2	m	
1.2	to 1.4	m	
1.4	to 1.6	m	
1.6	to 1.8	m	
1.8	to 2	m	
2	to 5	m	

BULK EARTHWORKS VOLUME

Total Cut : -957
Total Fill : 6,258
Total Balance : 5,300

BULK EARTHWORKS LEGEND

	Batter
	Bulk earthworks depth contour (cut)
	Bulk earthworks depth contour (fill)
	Bulk earthworks contour level
	Bulk earthworks platform level



ISSUE FOR SSDA

A1.....0 1 2 3 4 5 6 7 8 9 10																										
						ARCHITECT: WOODS BAGOT LEVEL 2 60 CARRINGTON STREET SYDNEY NSW 2000 PO BOX N19 GROSVENOR PLACE NSW 1220			ENGINEER: TTW Structural Civil Traffic Façade 612 9439 7288 Level 6, 73 Miller Street, North Sydney, NSW 2060			PROJECT: SYDNEY OLYMPIC PARK HIGH SCHOOL (SOPHS) 7-9 BURROWAY ROAD, WENTWORTH POINT NSW 2127			DRAWING NAME: BULK EARTHWORKS PLAN (CUT AND FILL)			SCALE : A1 1:250			DRAWN BY LA			AUTHORISED BY SB		
02 ISSUE FOR SSDA 01 ISSUE FOR SSDA			SF WW 19.05.22 SF WW 13.05.22												DRAWING No SOPHS-TTW-CV-L0-10050			REVISION 02								
REV DESCRIPTION			CHK DR DATE			REV DESCRIPTION			CHK DR DATE			REV DESCRIPTION			CHK DR DATE			TTW JOB No: 211266			Plot File Created: May 19, 2022 - 10:29am					