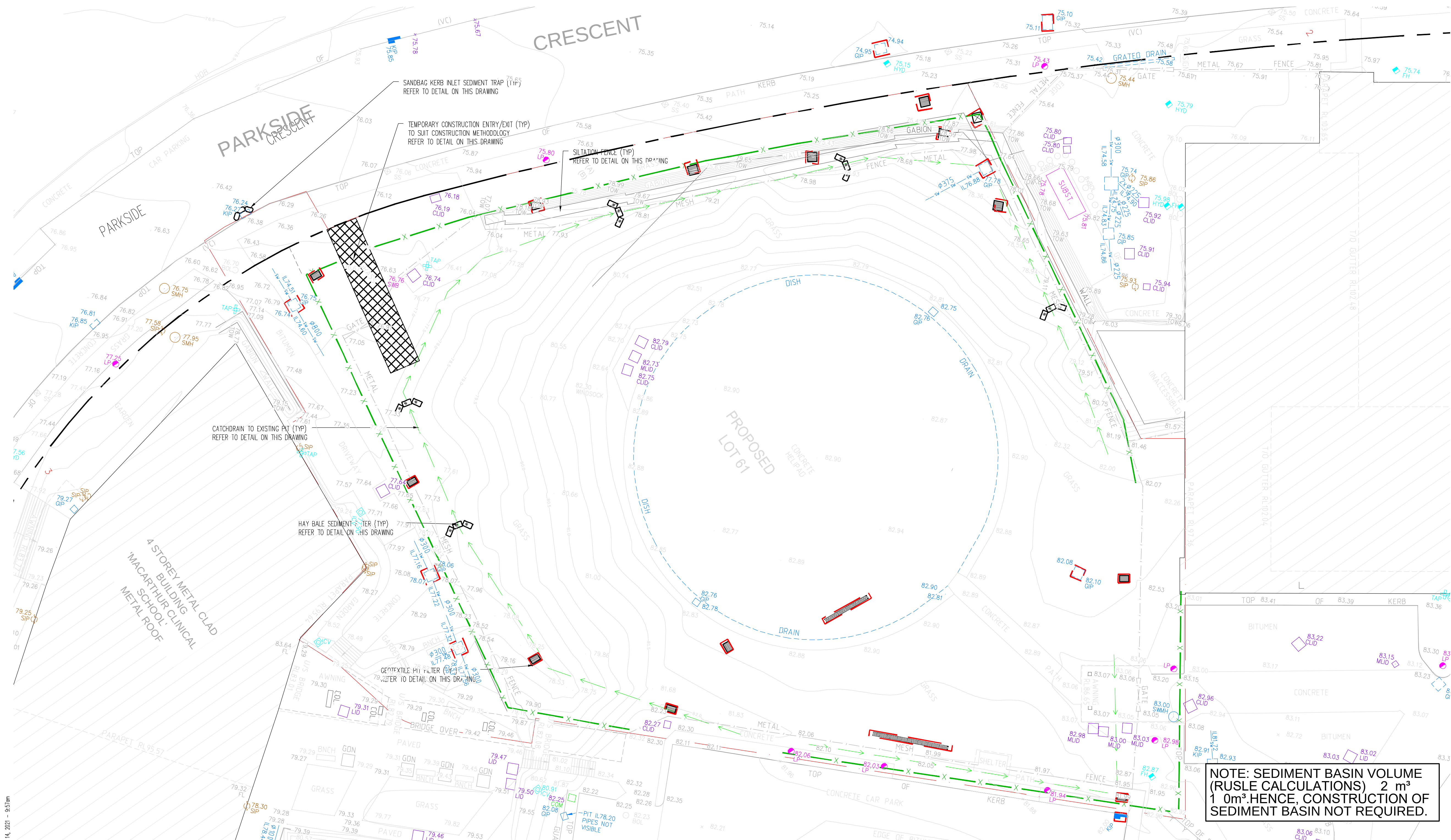


A1

Scale : A1	Drawn	Authorised
NTS	WW	SB
Job No	Drawing No	Revision
201940	TTW-CI-01A XXX-001	P2
Plot File Created: Oct 14, 2021 - 10:27am		



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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.

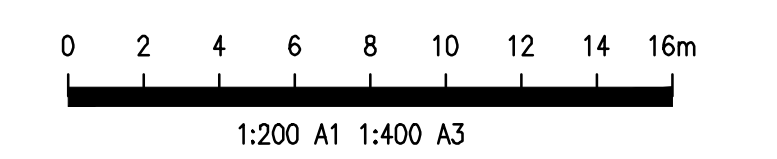
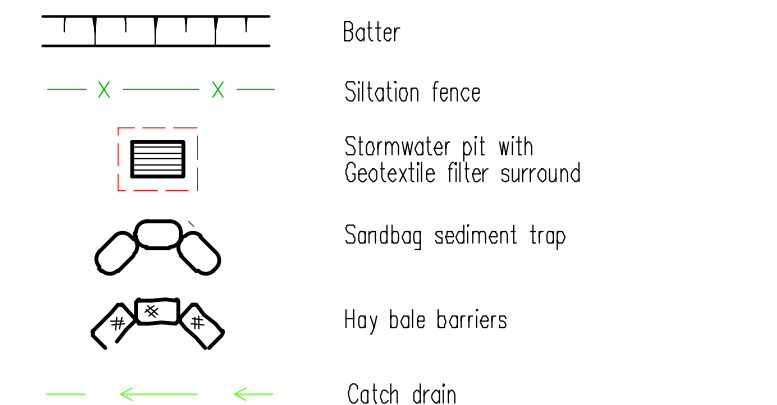
Sequence Of Works

- 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.

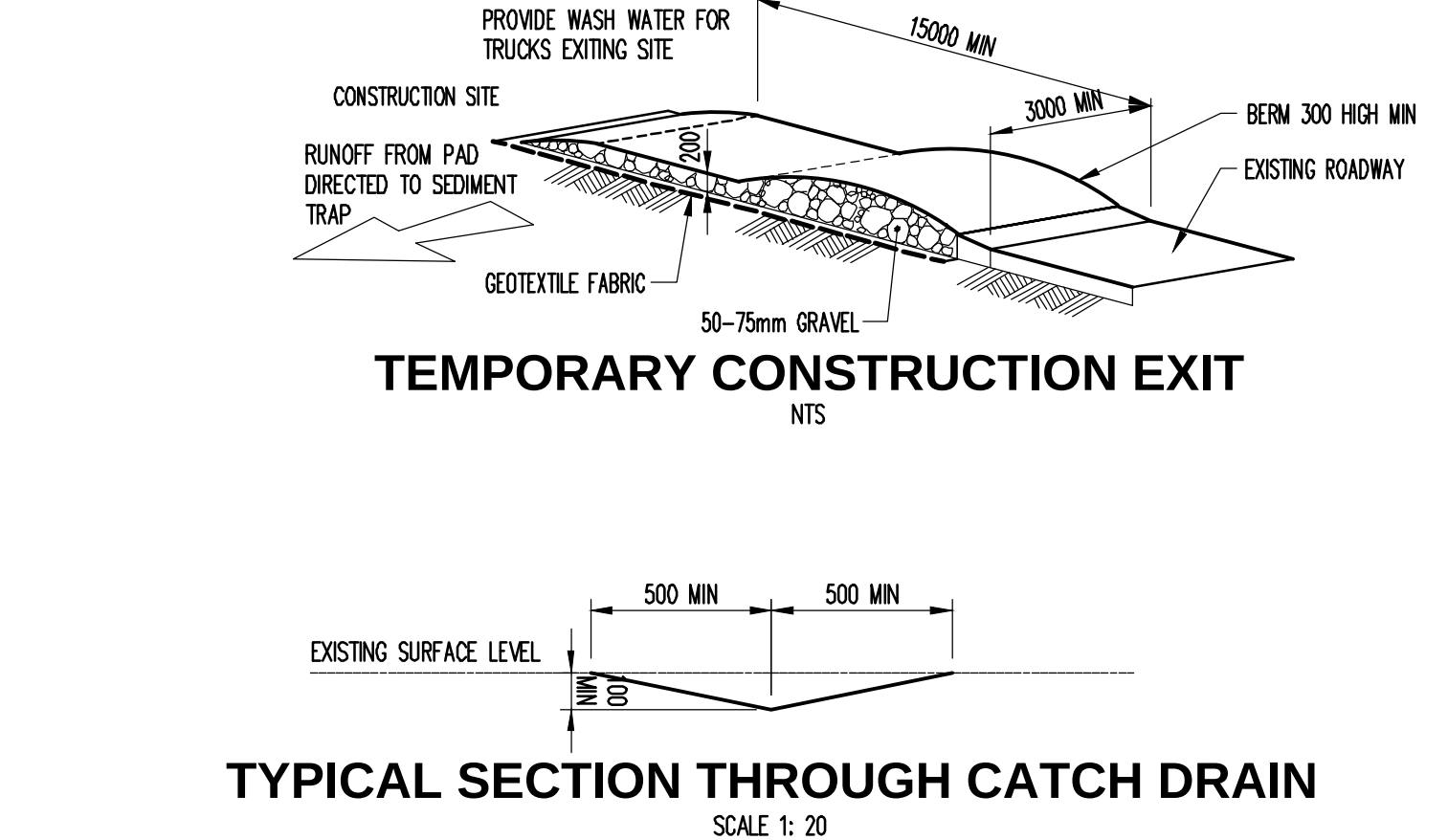
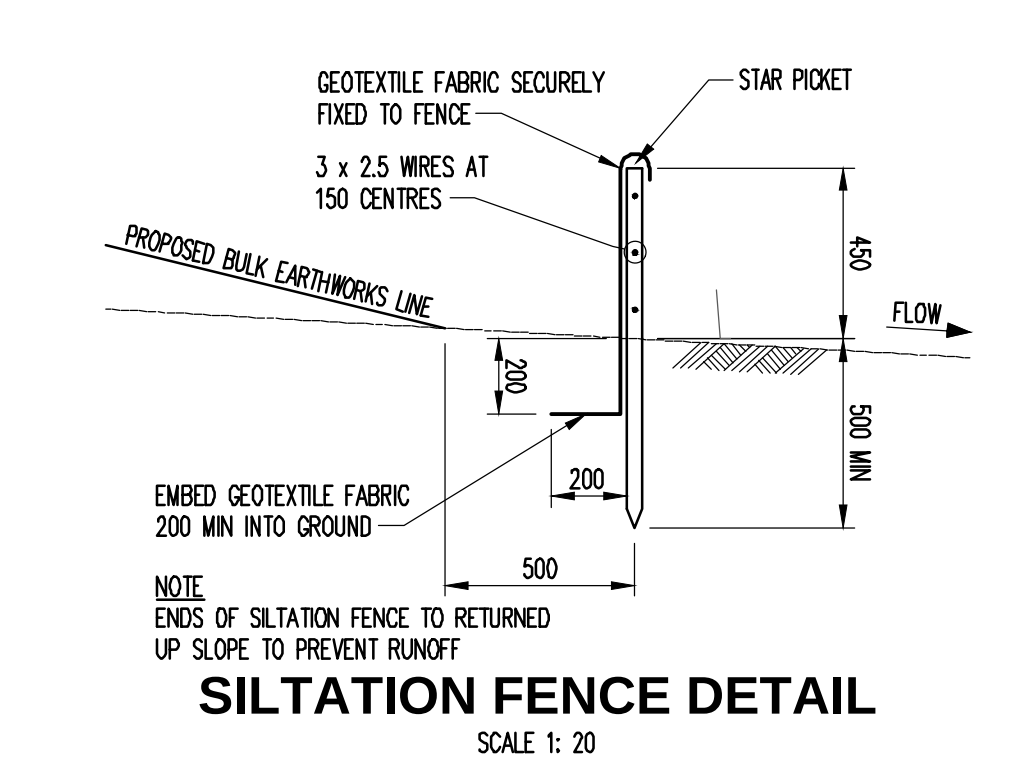
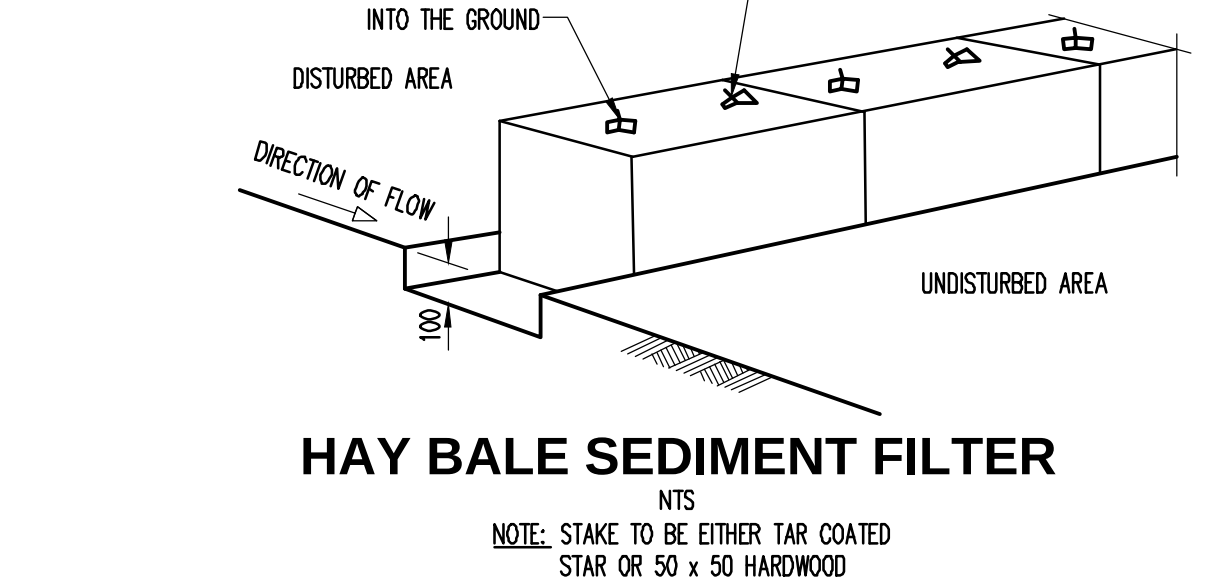
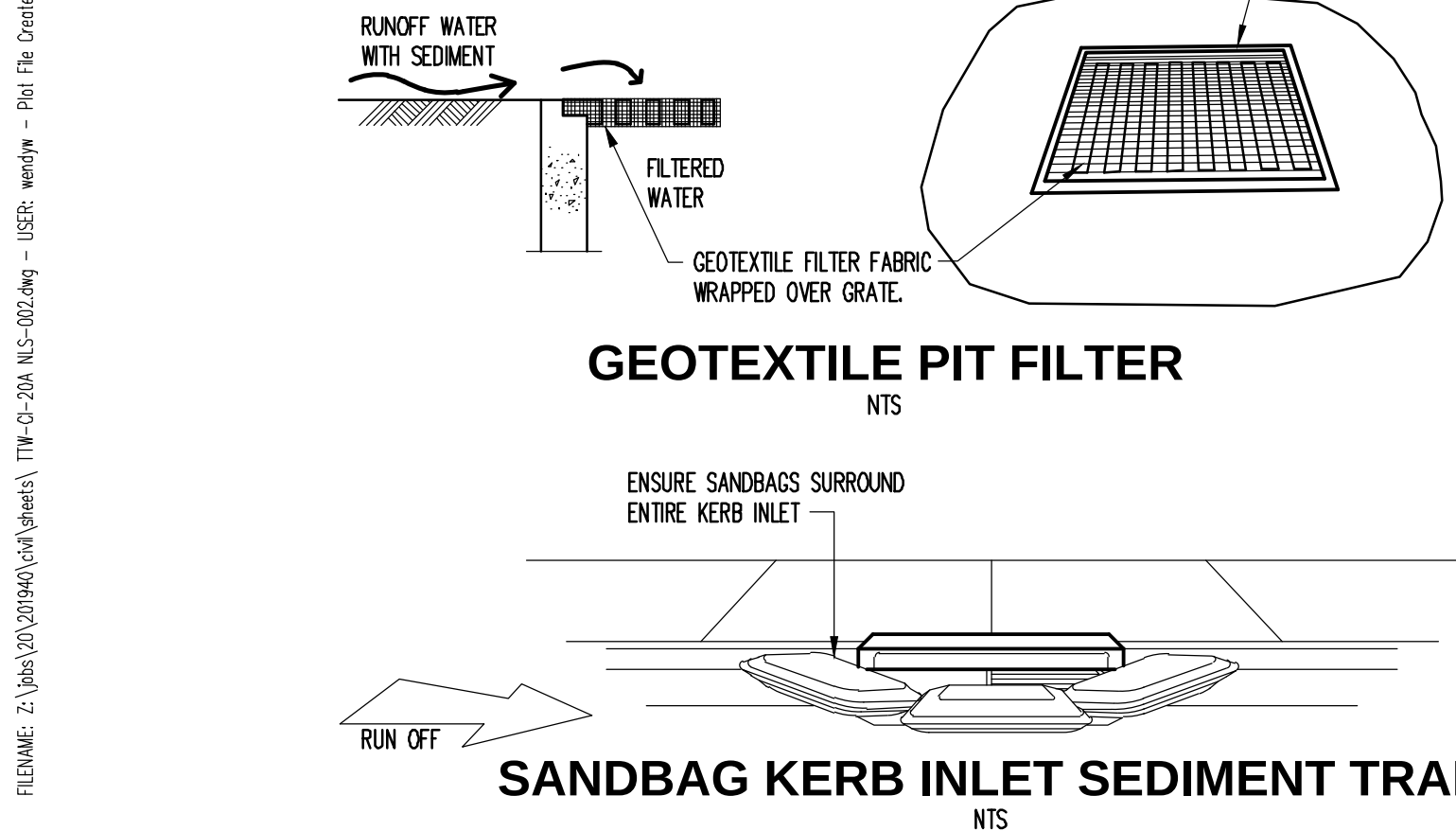
WATER QUALITY TESTING REQUIREMENTS

- 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 environmental 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.

EROSION AND SEDIMENT CONTROL LEGEND



SSDA



A1							
P2	SSDA ISSUE	AA	WW	14.10.21			
P1	SSDA ISSUE	AA	WW	07.10.21			
Rev	Description	Eng	Draft	Date	Rev	Description	Eng

Architect

TTW Structural Civil Traffic Façade

612 9439 7288 | 48 Chandos Street St Leonards NSW 2065

Project

MACARTHUR MEDICAL RESEARCH CENTRE

Sheet Subject

EROSION AND SEDIMENT CONTROL PLAN

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Drawn LW

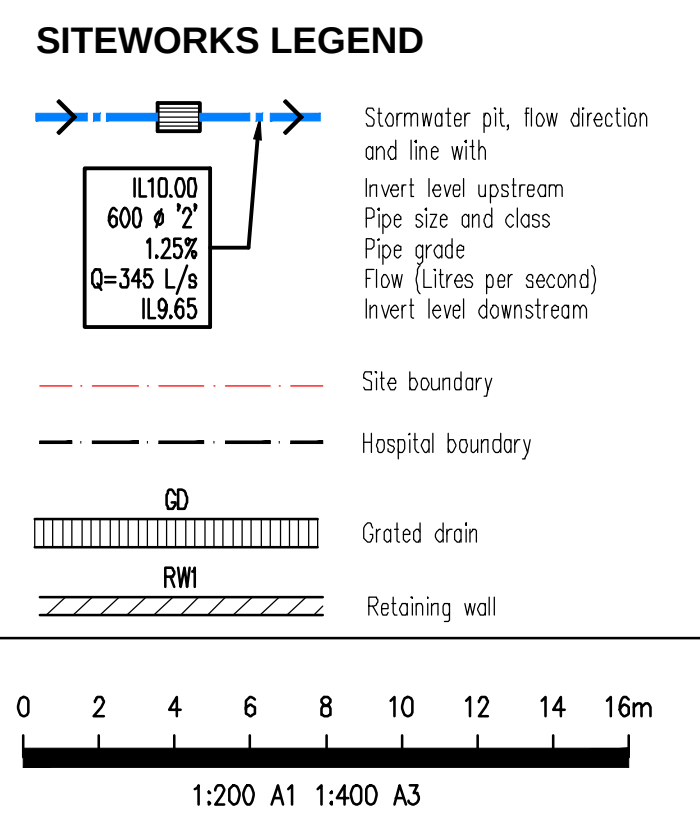
Authorised SB

Job No 201940

Drawing No TTW-CI-20A NLS-002

Revision P2

Plot File Created: Oct 14, 2021 - 9:57am



SSDA

Architect	  Structural Civil Traffic Façade 612 9439 7288 48 Chandos Street St Leonards NSW 2065	Project MACARTHUR MEDICAL RESEARCH CENTRE	Sheet Subject SITEWORKS STORMWATER PLAN	Scale : A1 1:200 Drawn WW Authorised SB	Job No 201940 Plot File Created: Oct 14, 2021 - 10:01am	Drawing No TTW-CI-20A NLS-005 Revision P2
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Cut and Fill Depth Table

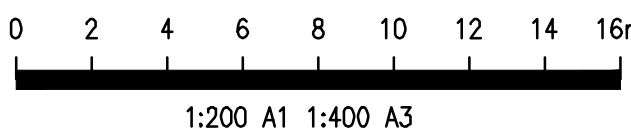
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5	-4.000	-3.000	
6	-3.000	-2.000	
7	-2.000	-1.000	
8	-1.000	0.000	
9	0.000	1.000	
10	1.000	2.000	
11	2.000	3.000	
12	3.000	4.000	
13	4.000	5.000	

BULK EARTHWORKS LEGEND

- BE 22.00 Bulk earthworks contour level
- BE 22.00 Bulk earthworks platform level

NOTE:

1. Refer architectural and structural drawing for detail excavation for pad footings.
2. Depth of lift should be confirmed with supplier.
3. Bulk quantities represent difference between existing ground levels and bulk earthworks levels. No adjustment factors have been included.
4. Bulk earthworks does not include detailed excavation for lift pits, footings, services, etc.
5. Set down for landscape area assumed to be 200mm.



SSDA

Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date
P2	SSDA ISSUE	AA	VW	14.10.21										
P1	SSDA ISSUE	AA	VW	07.10.21										

Architect



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Project

MACARTHUR MEDICAL RESEARCH CENTRE

Sheet Subject

BULK EARTHWORKS PLAN

Scale : A1

1:200

Drawn

VW

Authorised

Job No

201940

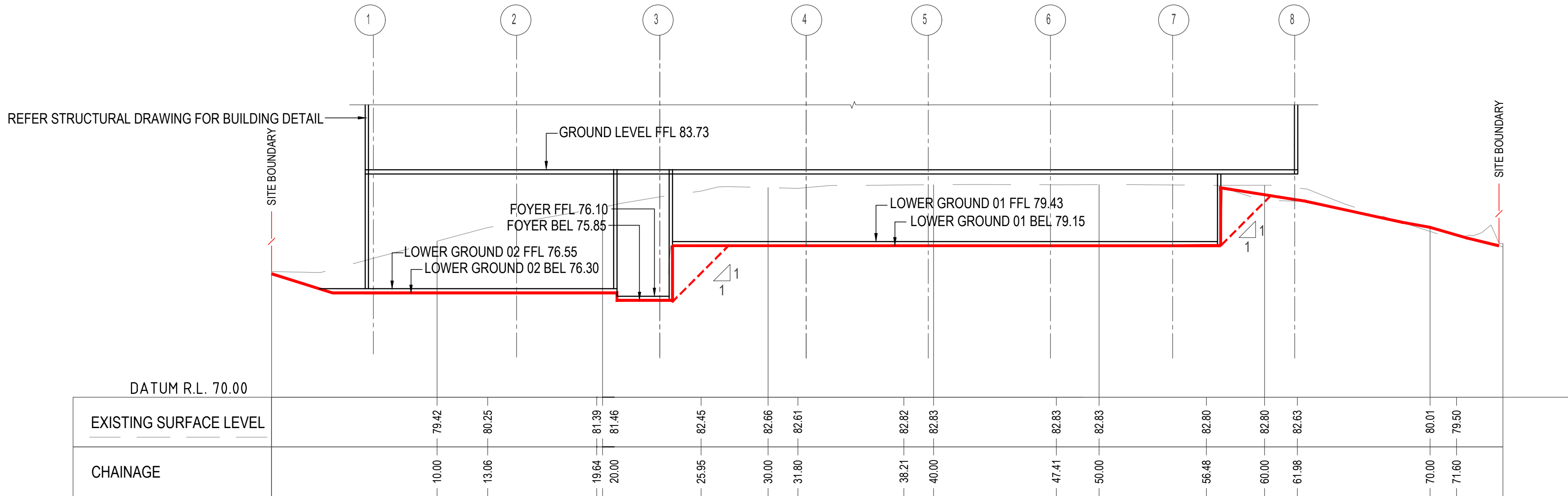
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TTW-CI-20A NLS-006

Revision

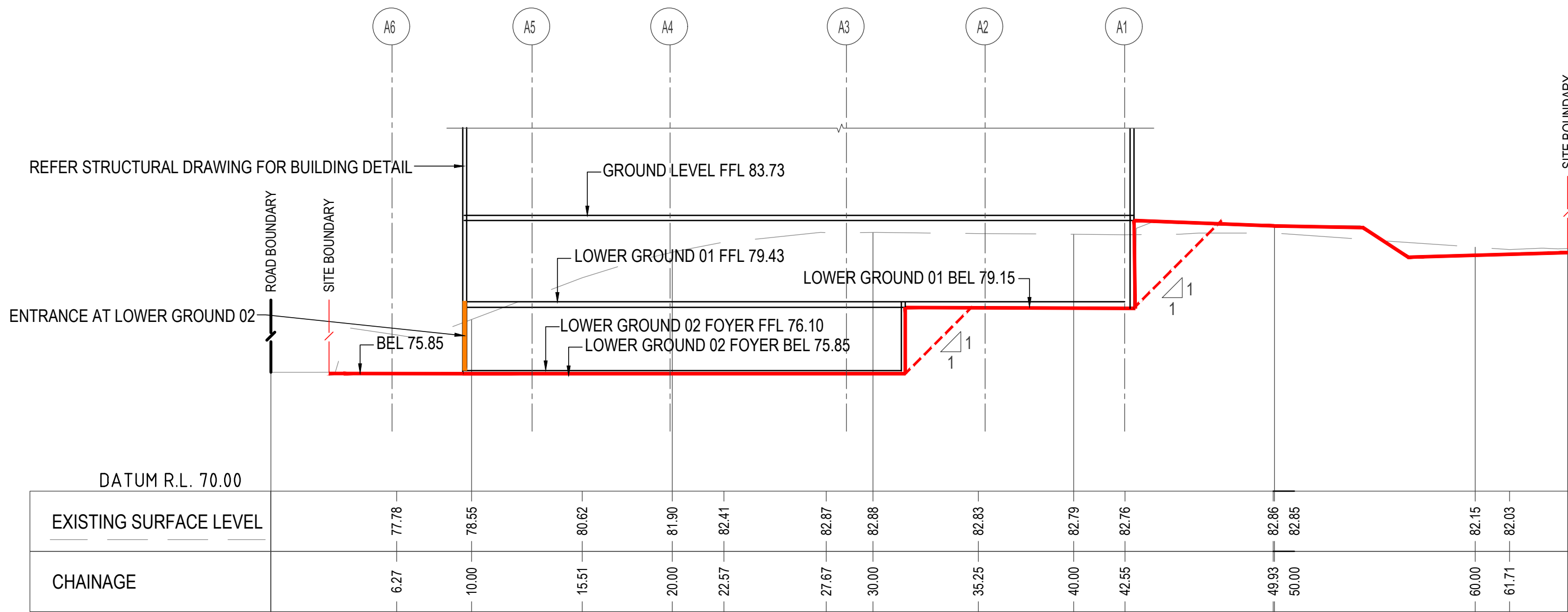
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Plot File Created: Oct 14, 2021 - 10:20am



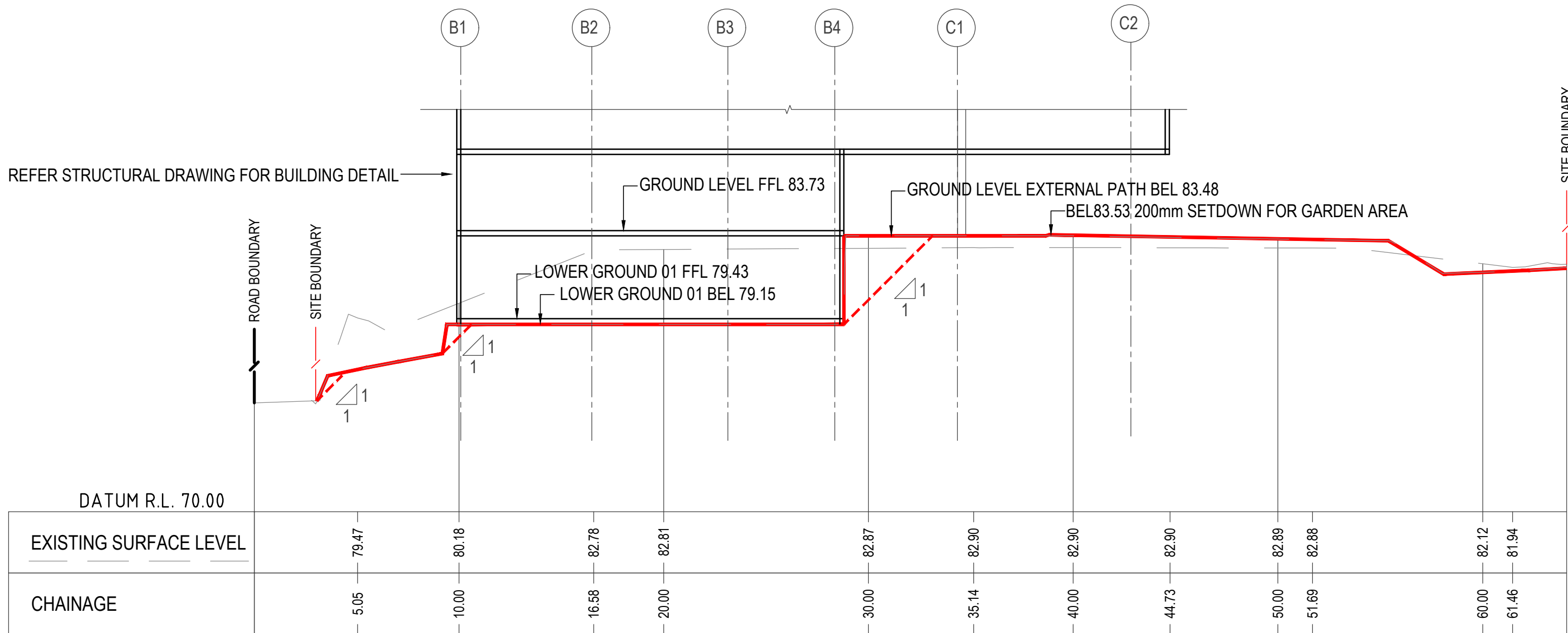
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SECTION 1
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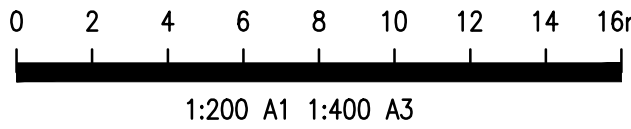
LONGITUDINAL SECTION 2

SECTION 2
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LONGITUDINAL SECTION 3

SECTION 3
SCALE 1:200



SSDA

A1

P1	SSDA ISSUE	AA	WW	14.10.21													
P1	SSDA ISSUE	AA	WW	07.10.21													
Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date	Rev	Description	Date

Architect



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Project

MACARTHUR MEDICAL
RESEARCH CENTRE

Sheet Subject

BULK EARTHWORKS SECTIONS

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Drawn

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Authorised

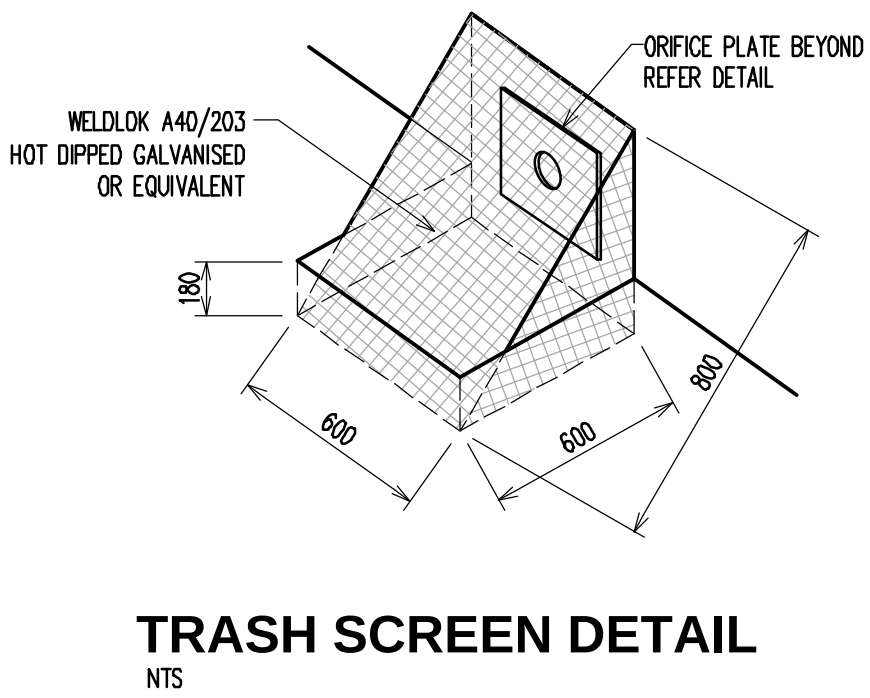
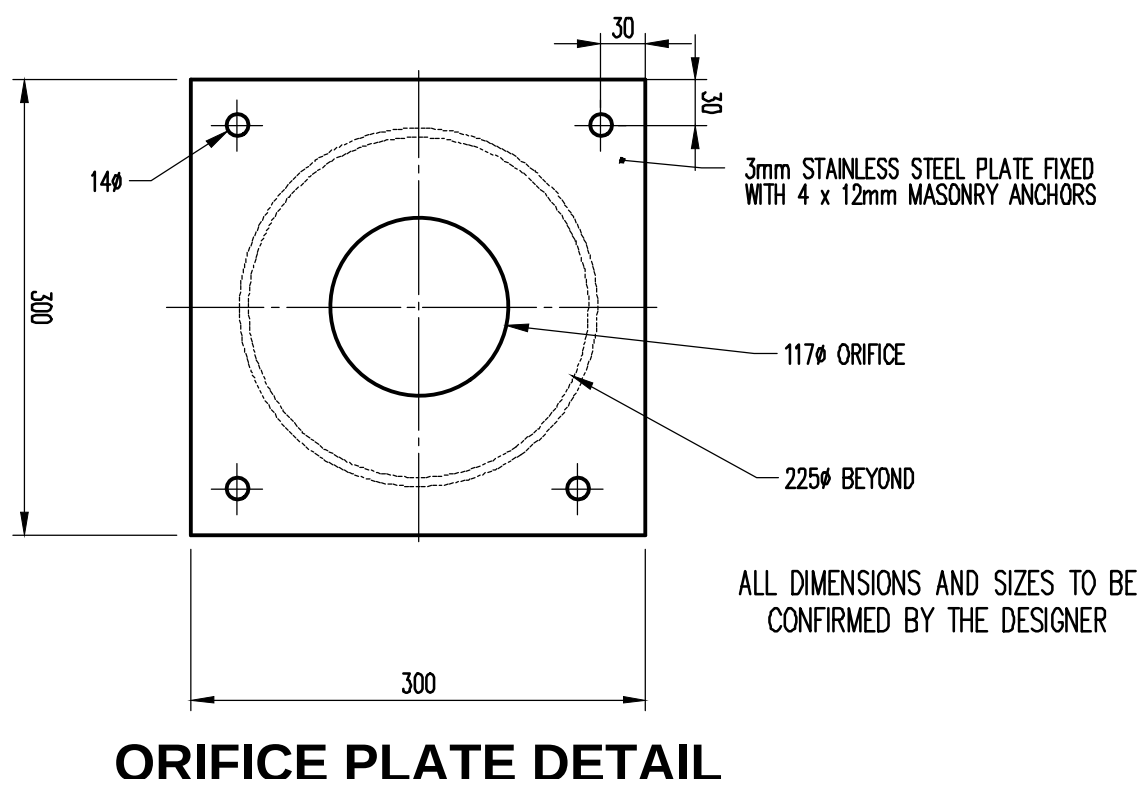
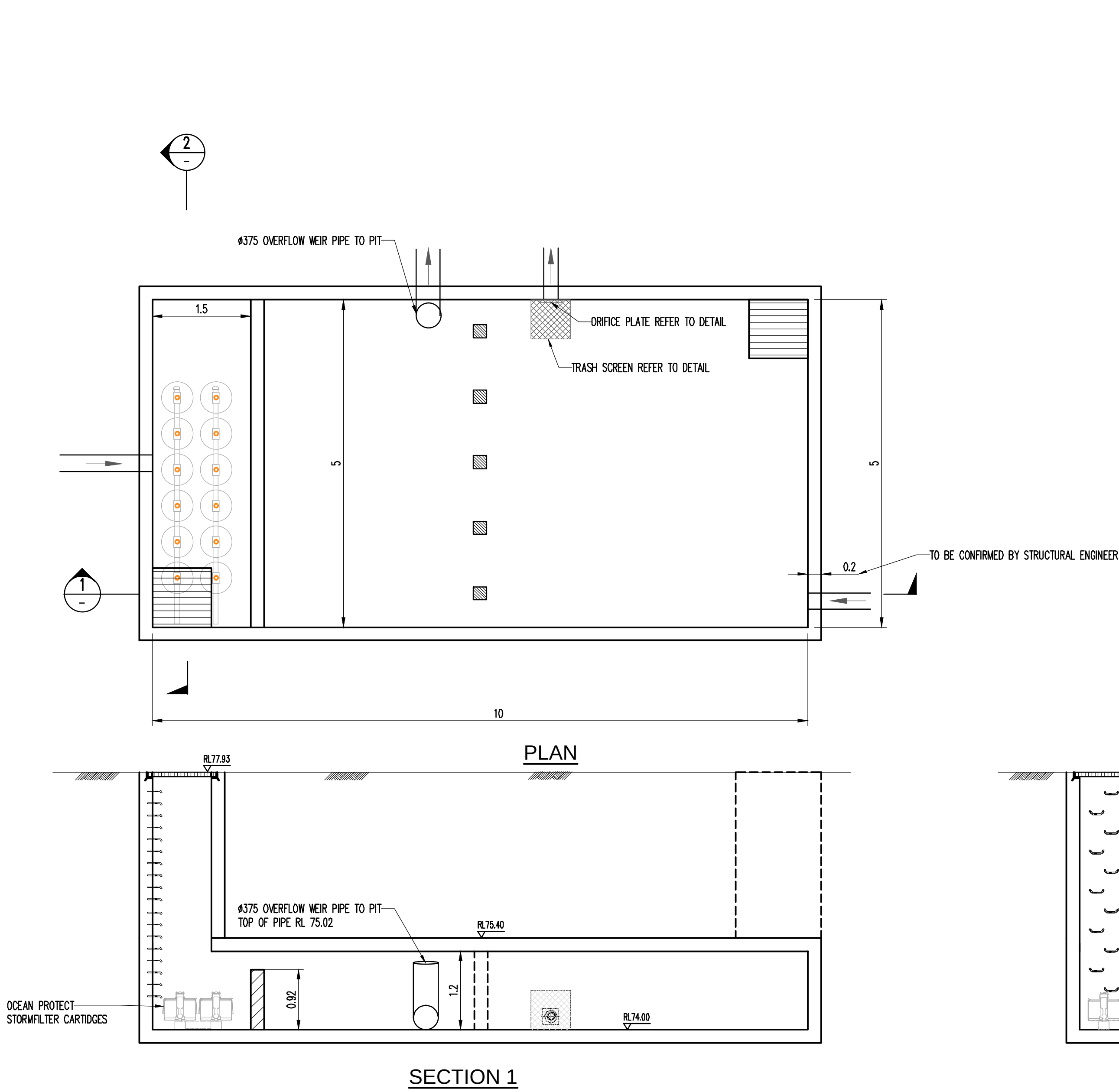
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201940 TTW-CI-20D XXX-007 P2

Drawing No

Revision

Plot File Created: Oct 13, 2021 - 6:08pm



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A1

P1	SSDA ISSUE	AA	WW	07.10.21					
Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date

Architect



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Project

MACARTHUR MEDICAL
RESEARCH CENTRE

Sheet Subject

OSD DETAILS

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LW

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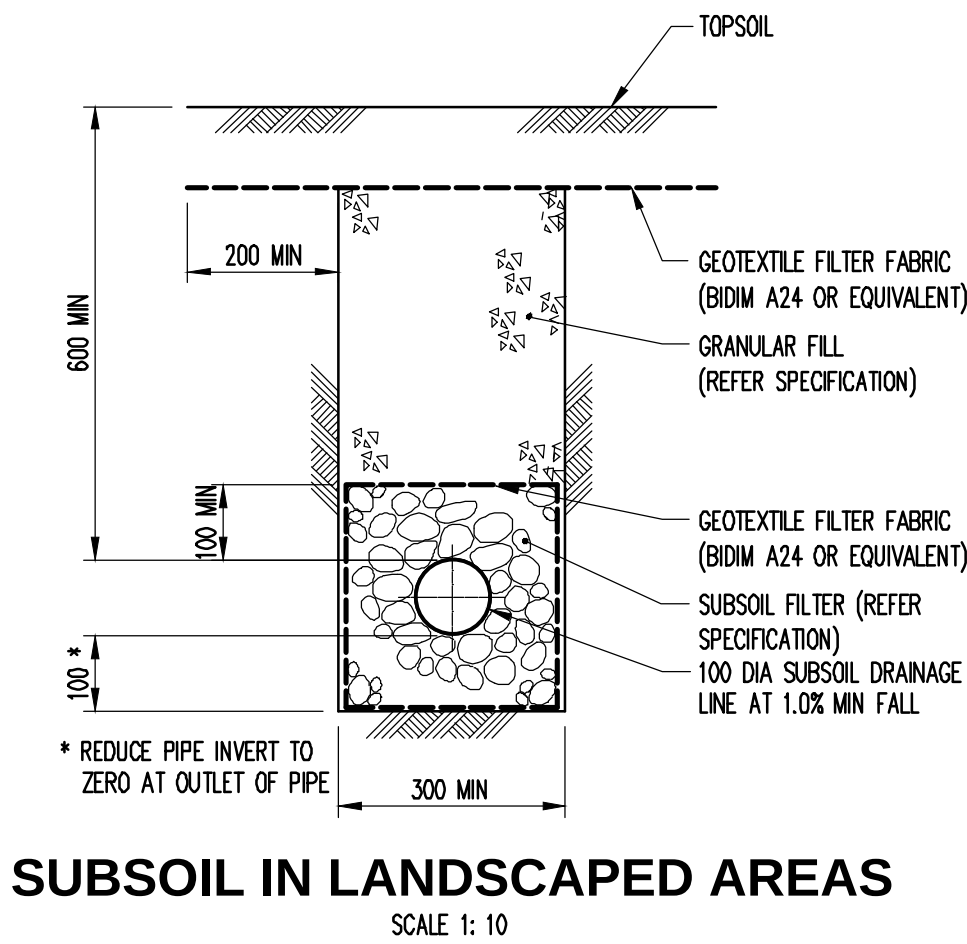
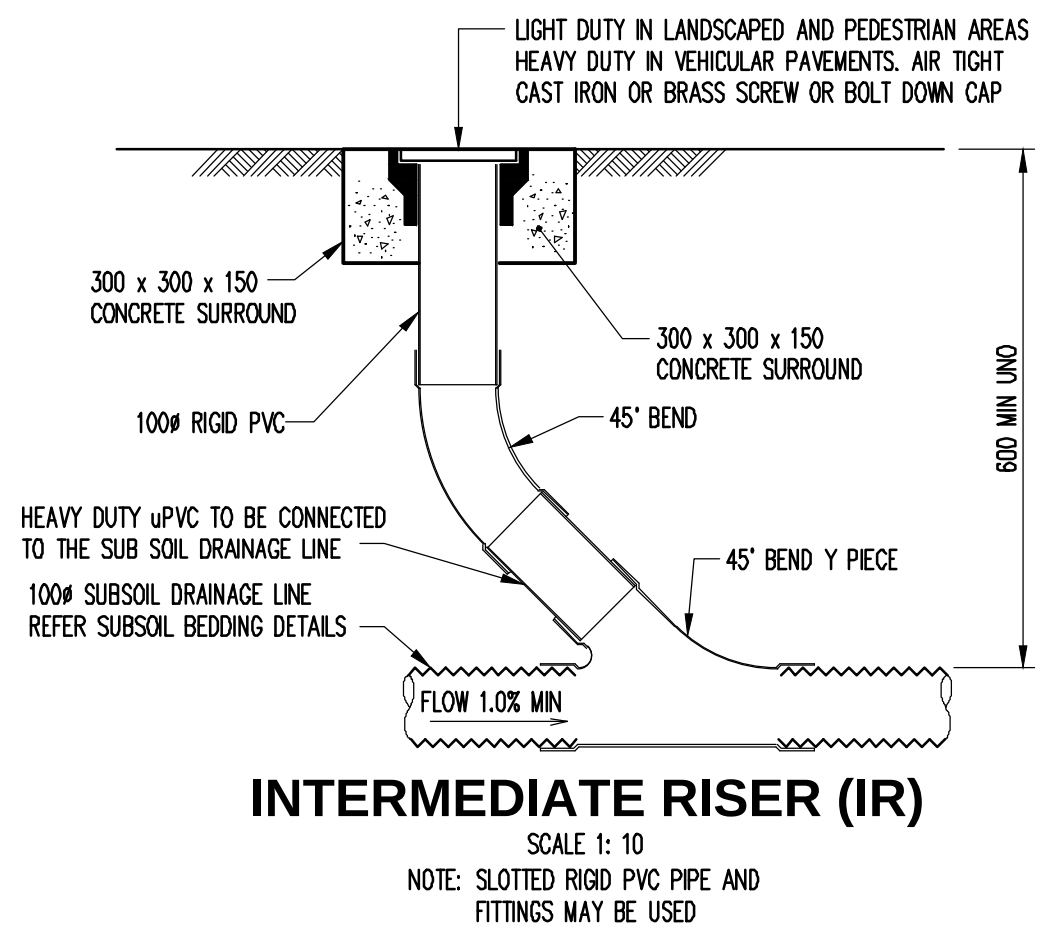
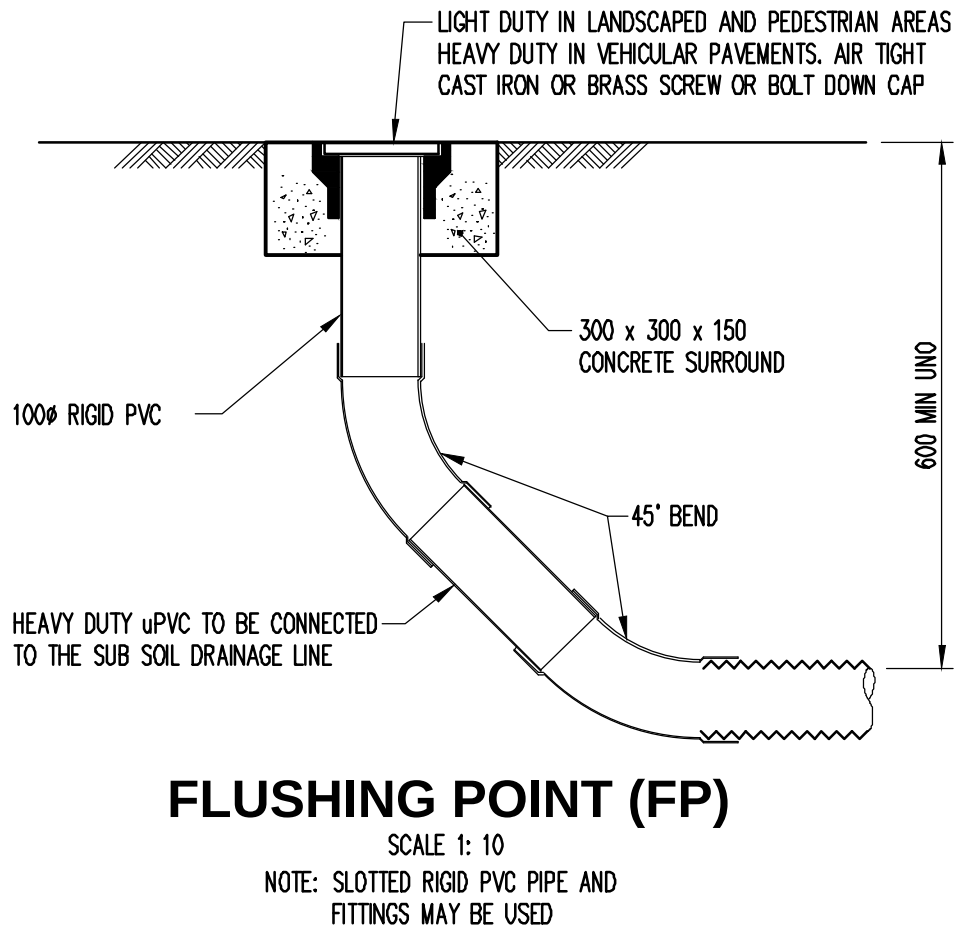
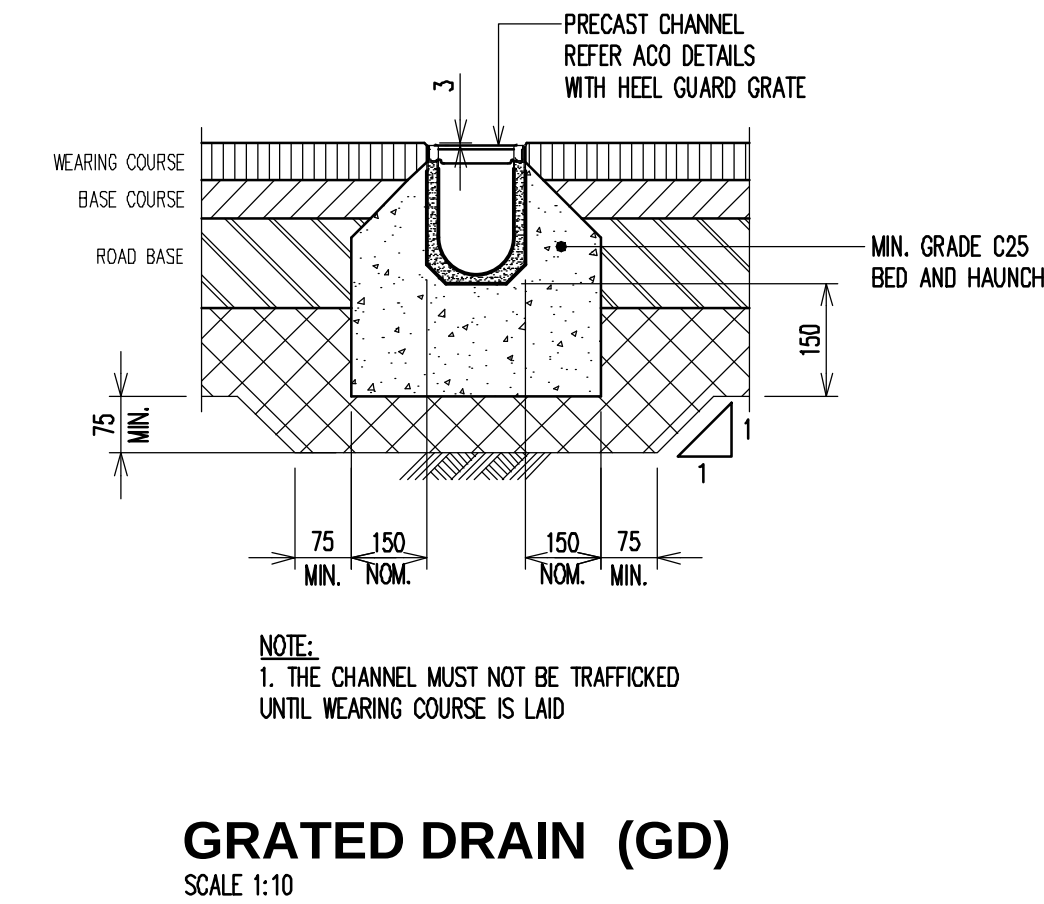
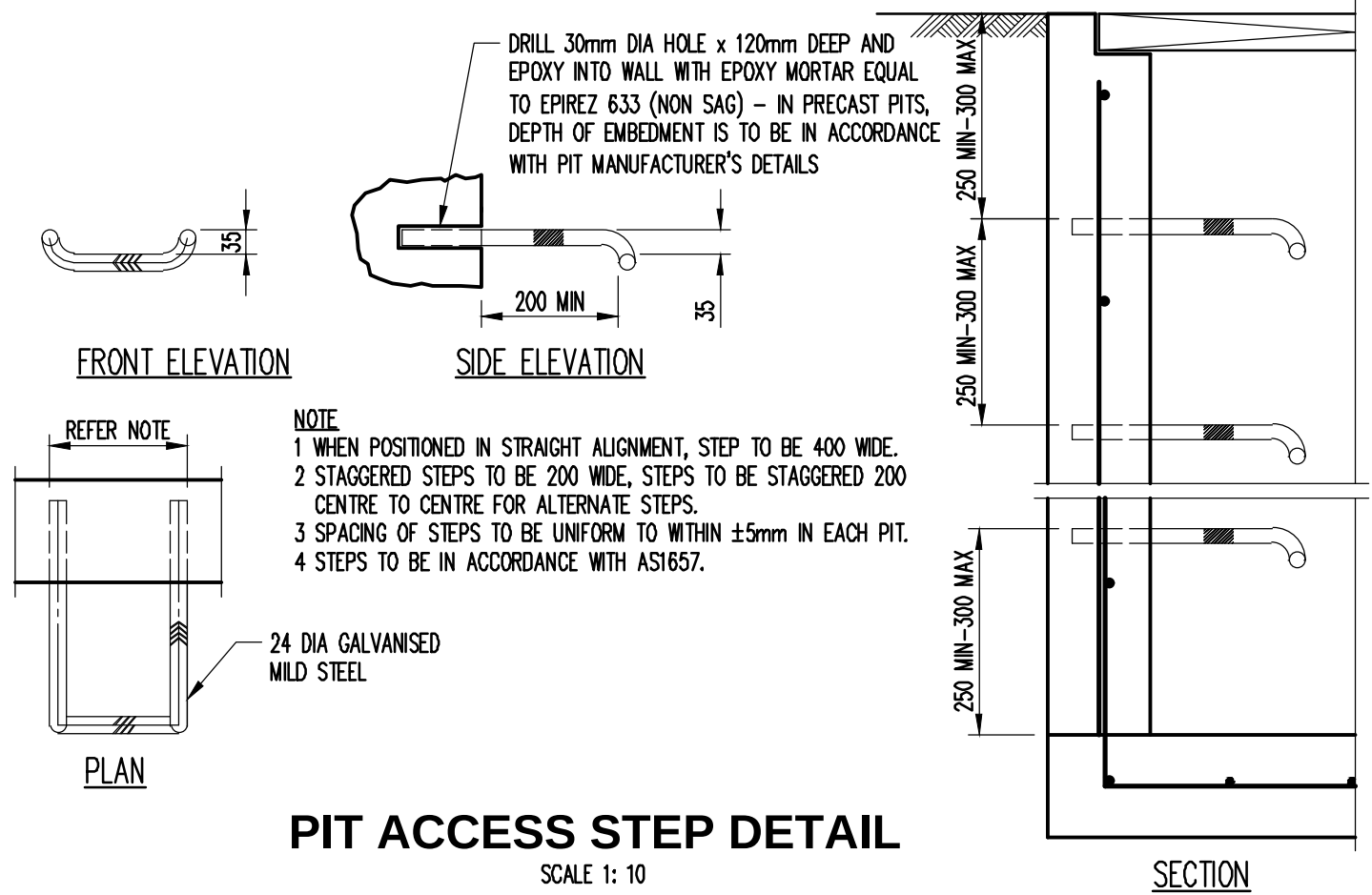
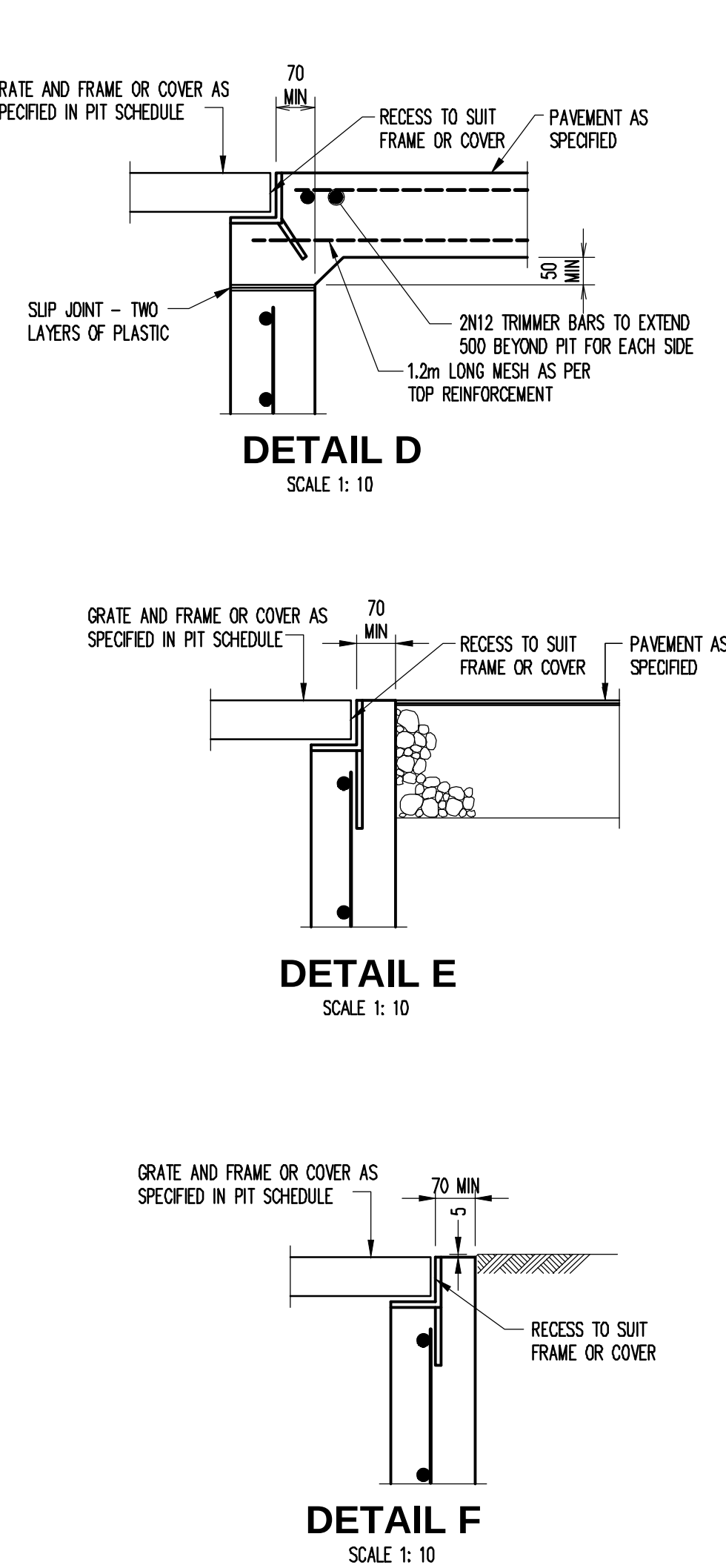
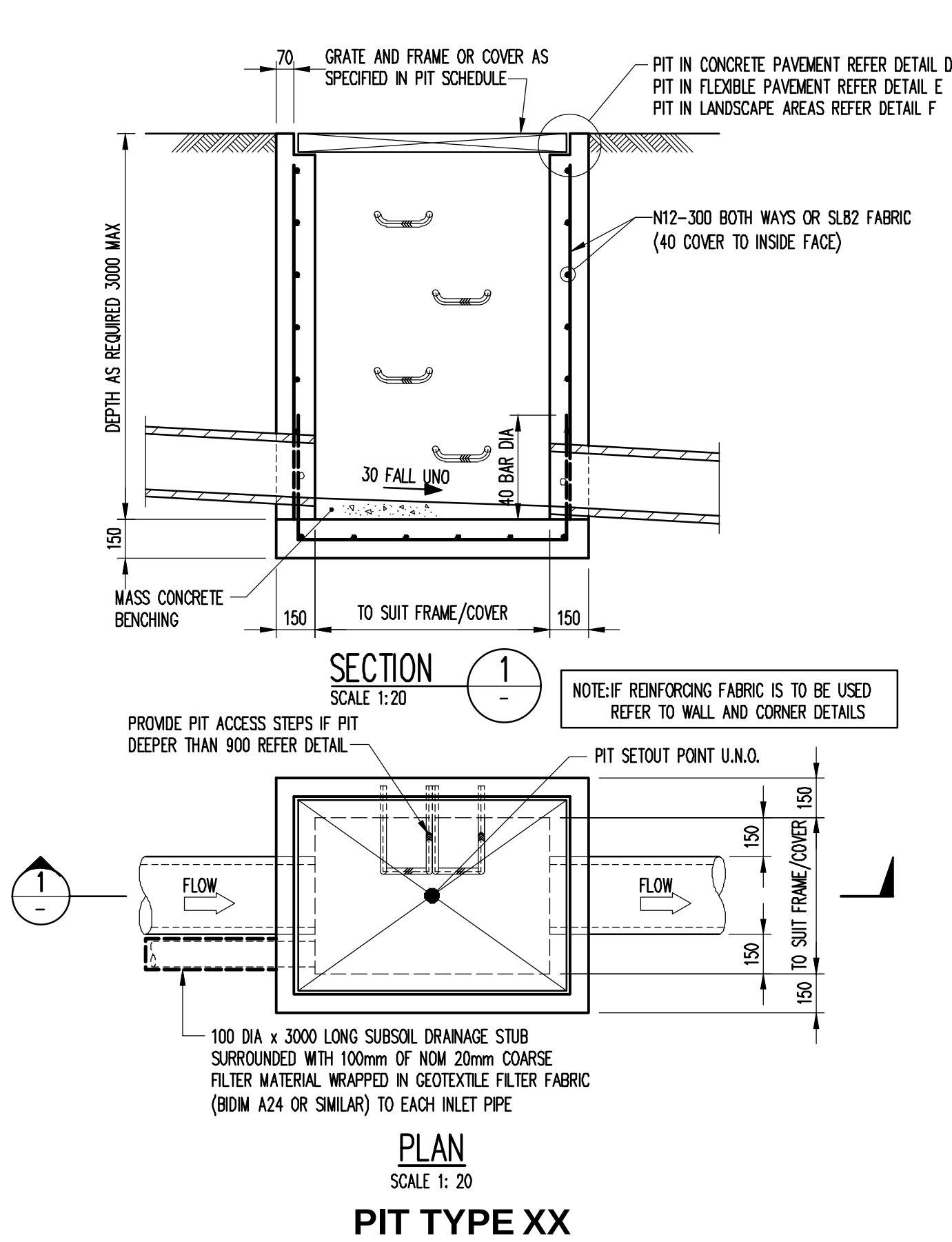
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Drawing No
TTW-CI-20E XXX-010

Revision
P1

Plot File Created: Oct 08, 2021 - 10:39am

SSDA



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AA	WW	07.10.21			
Rev	Description	Eng	Draft	Date	Rev Description Eng Draft Date

Architect



Project
MACARTHUR MEDICAL
RESEARCH CENTRE

Sheet Subject
DETAILS

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Job No 201940	Drawing No TTW-CI-20E XXX-011	Revision P1
Plot File Created: Oct 07, 2021 - 2:40pm		

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