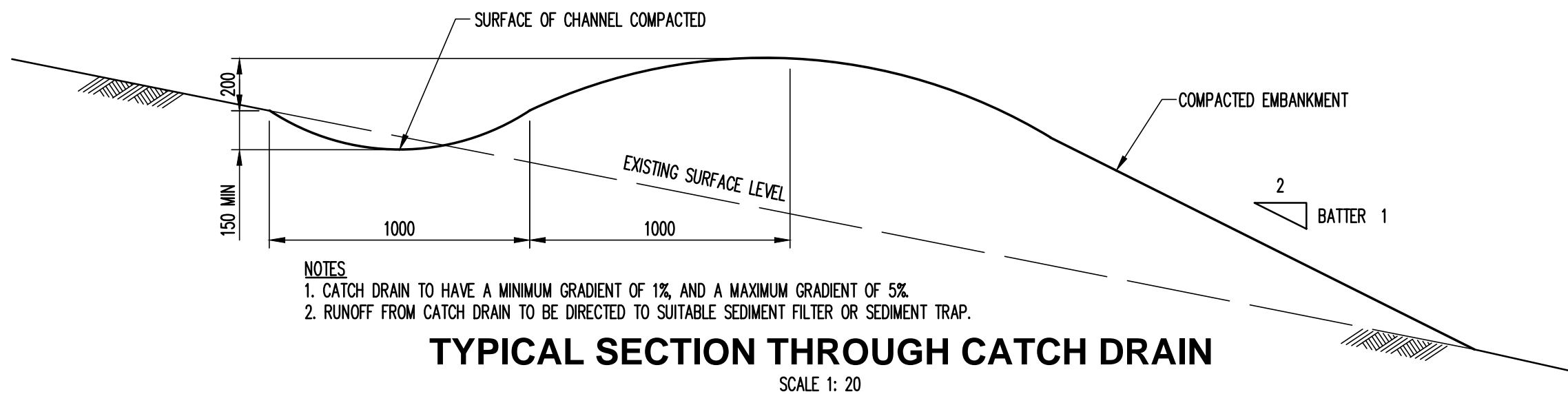
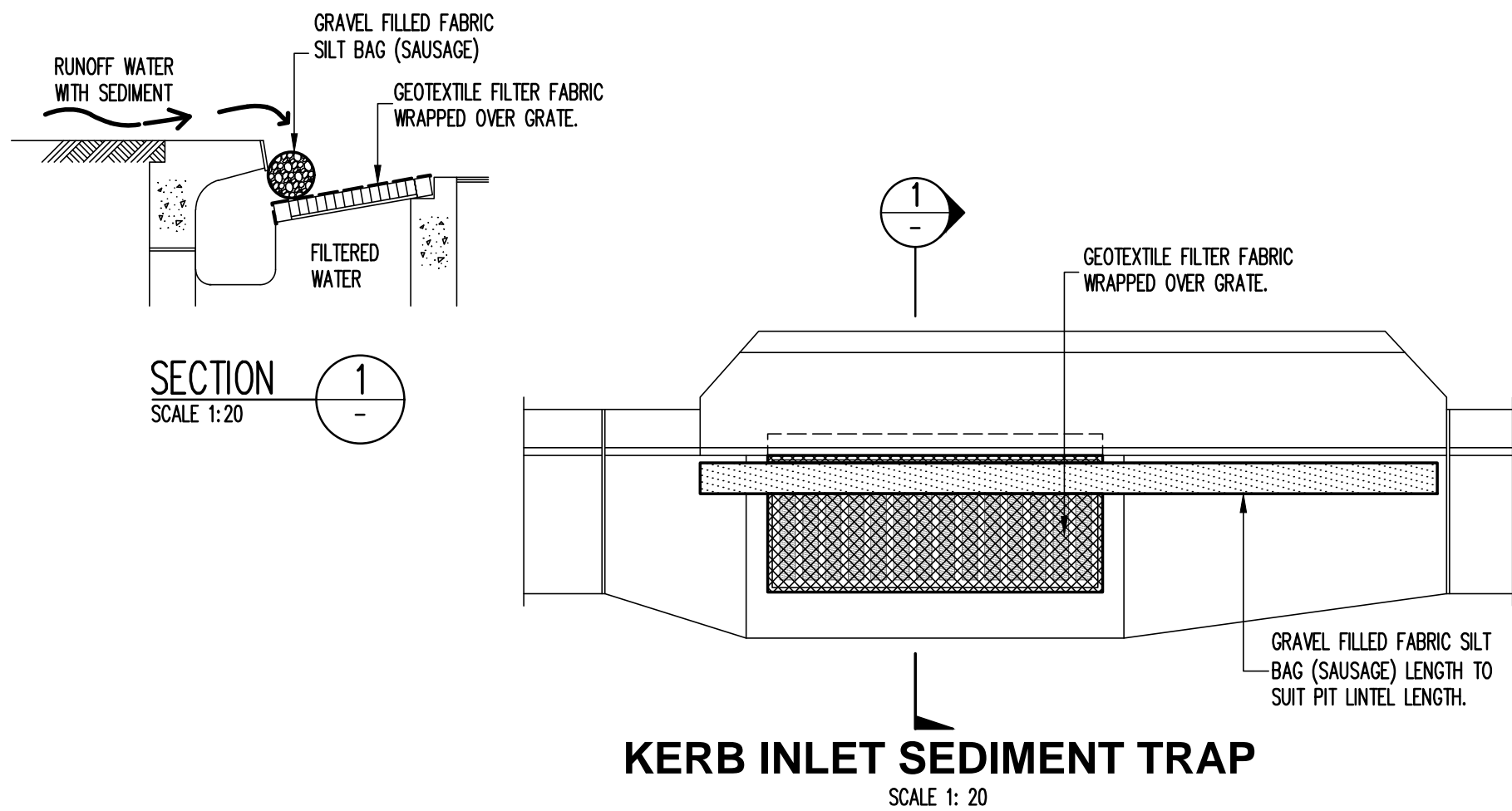
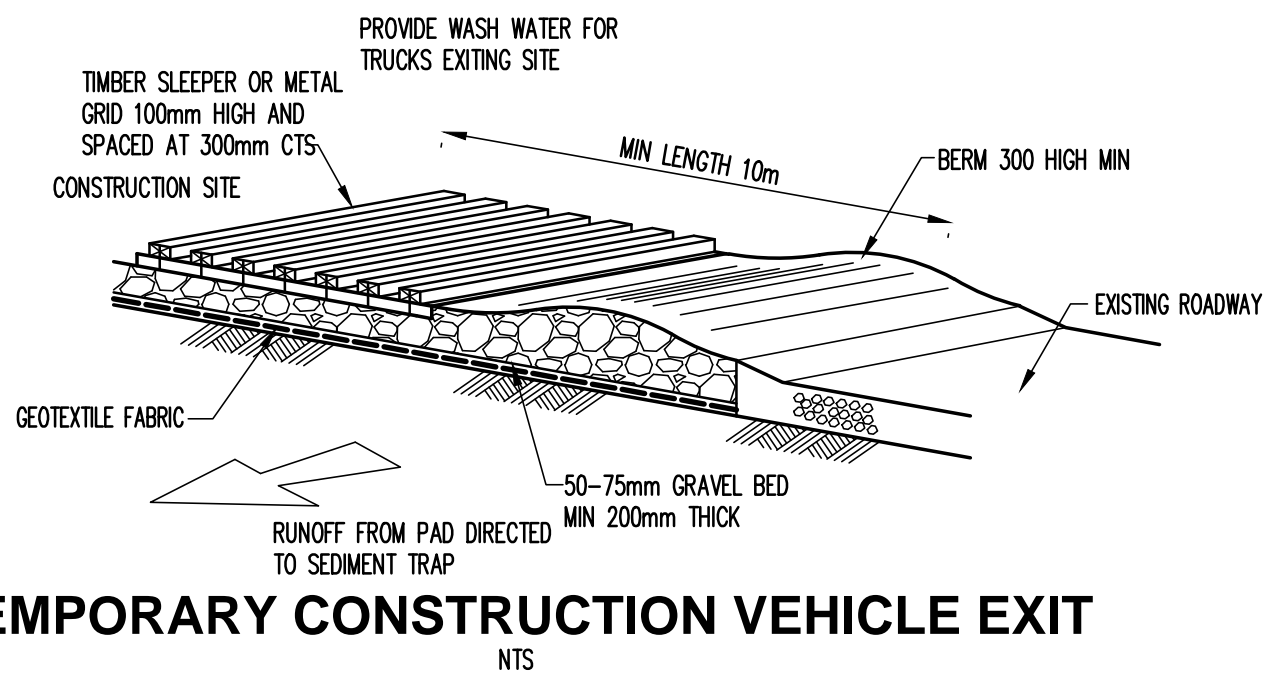
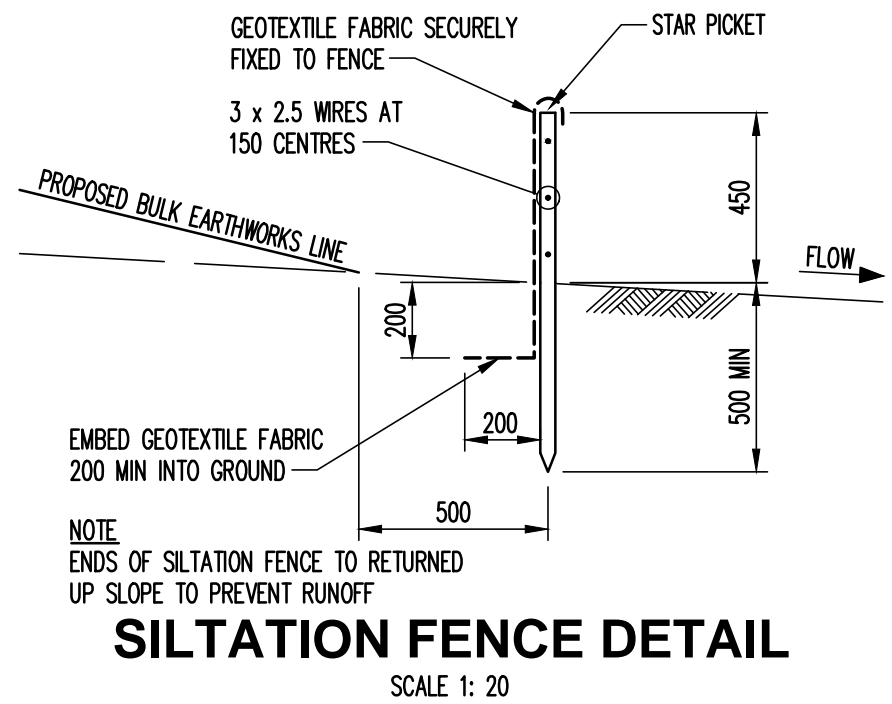
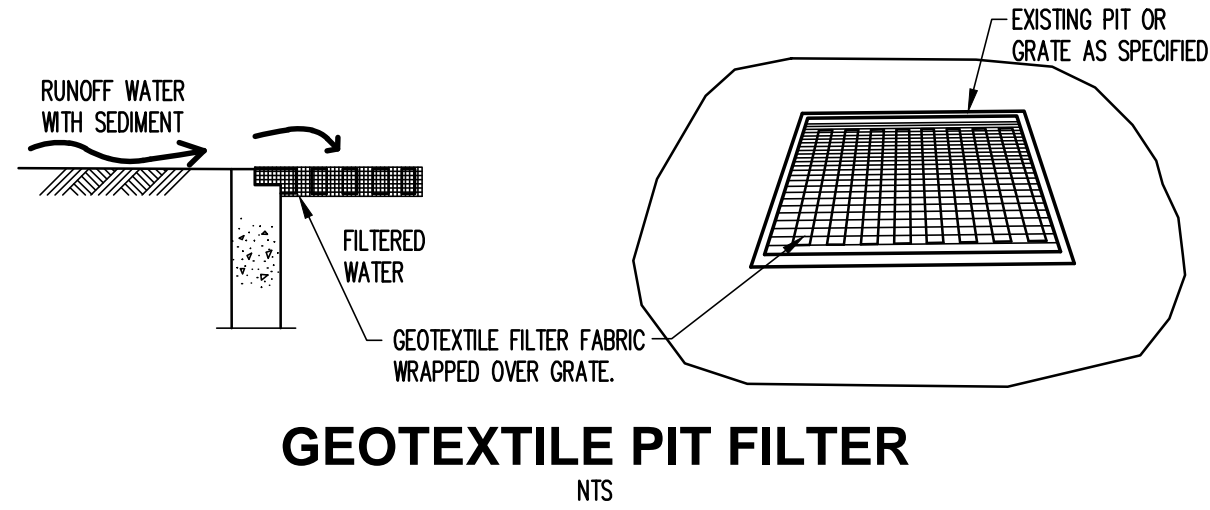
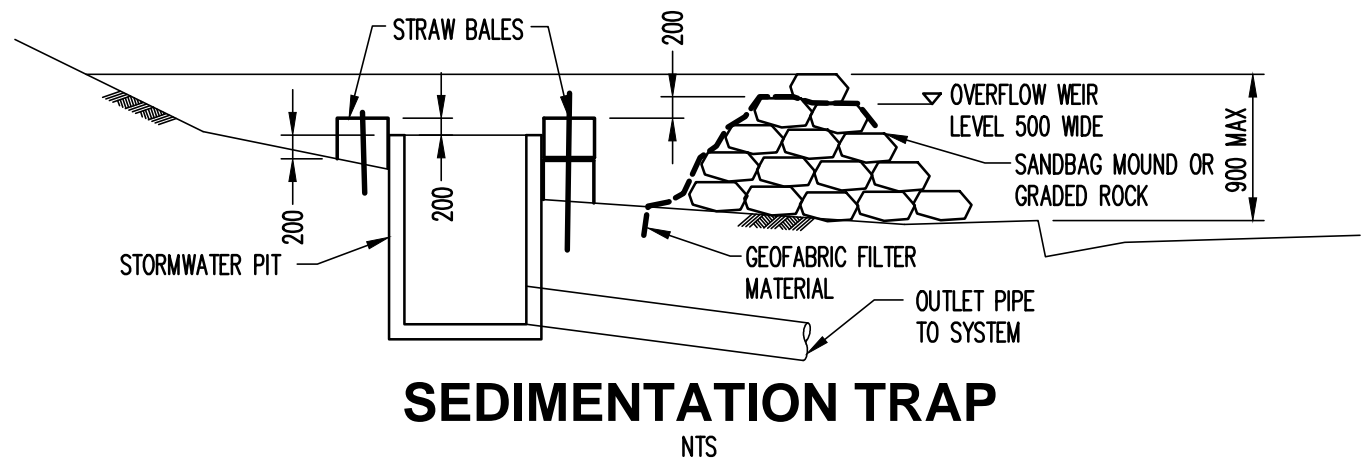
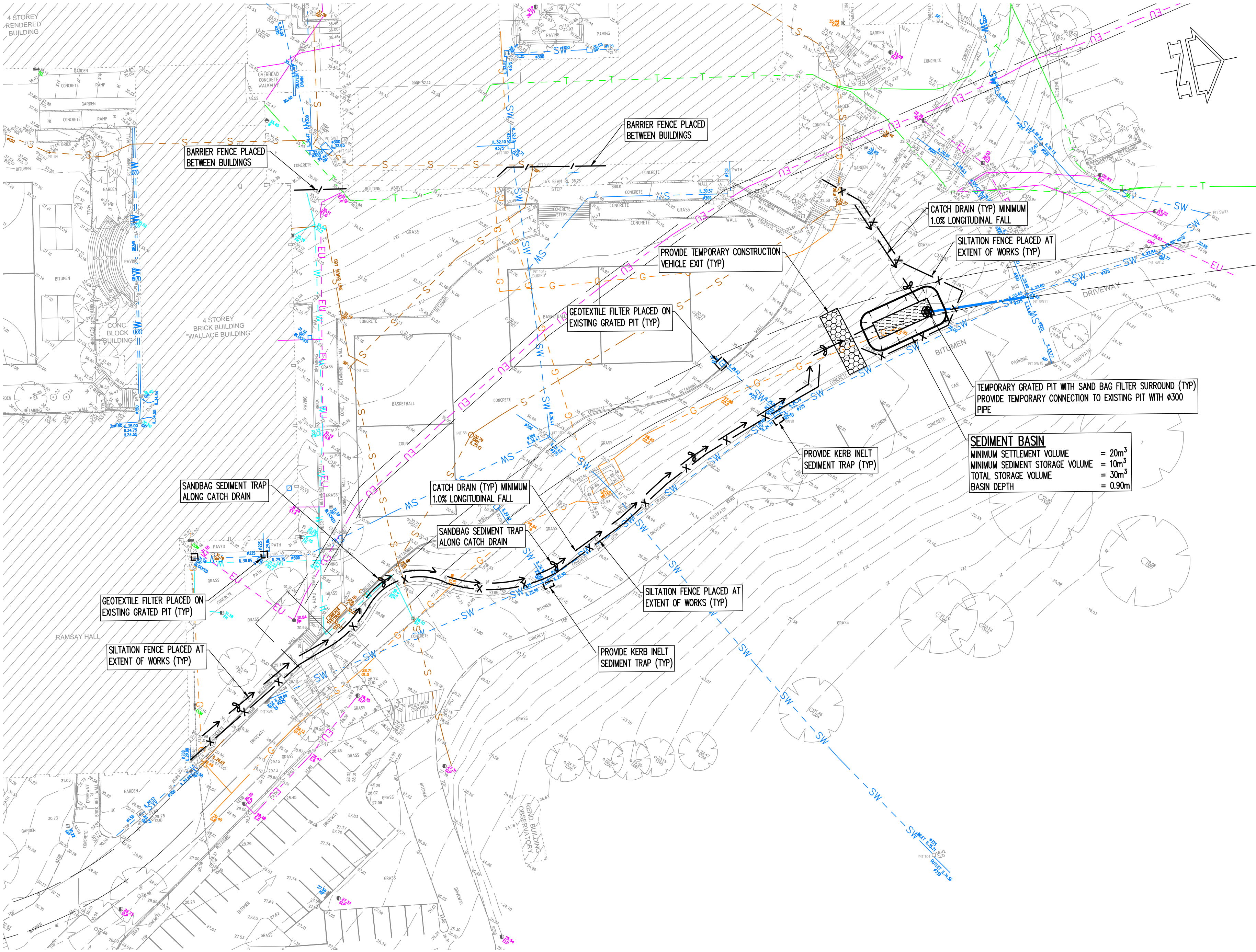


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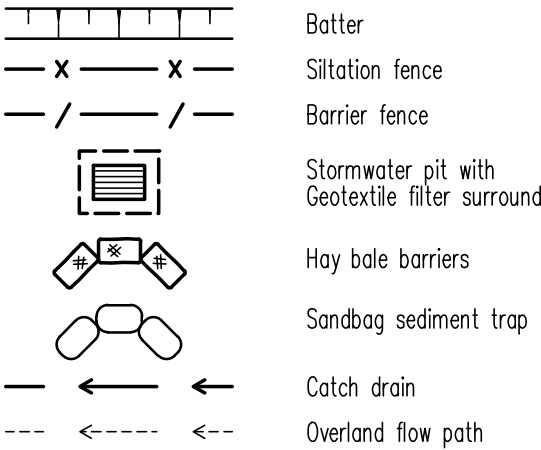
SKC50 DETAILS SHEET

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EROSION AND SEDIMENT CONTROL LEGEND



EROSION AND SEDIMENT CONTROL NOTES

- All work shall be generally carried out in accordance with:
(A) Local authority requirements,
(B) EPA - Pollution control manual for urban stormwater,
(C) 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.

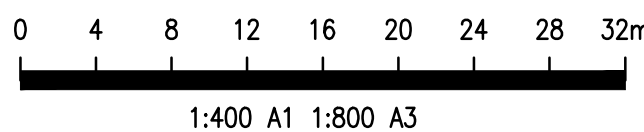
Sequence Of Works

- 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.



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

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P2	ISSUE FOR QS	DM	DM	08.07.20										
P1	PRELIMINARY	DM	DM	26.03.20										

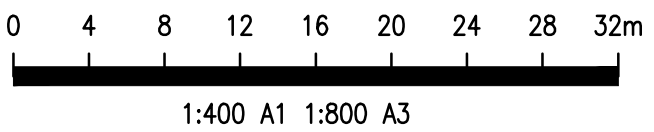
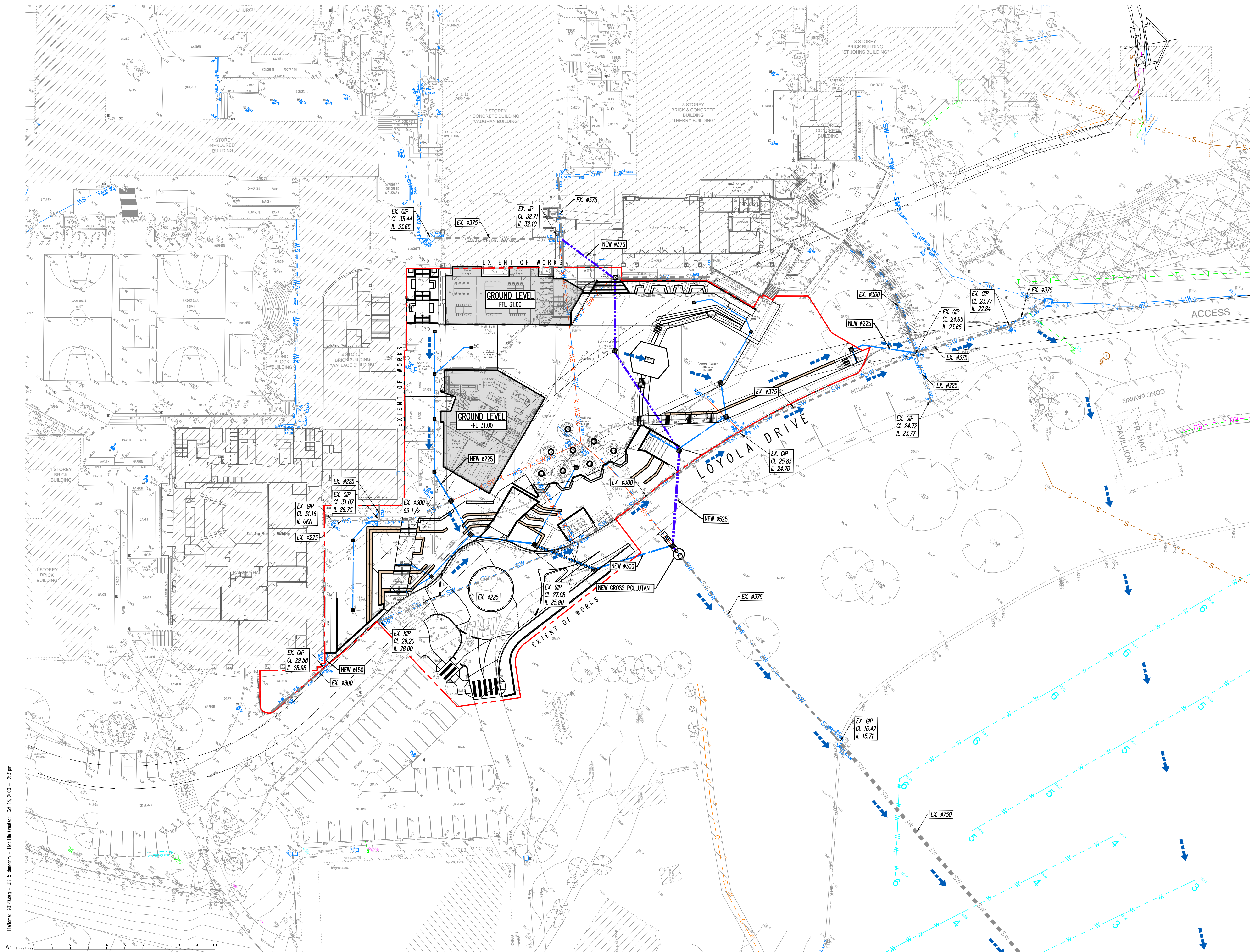
Architect
PMDL
17 / 124 WALKER STREET,
NORTH SYDNEY, NSW 2060

Engineer
TTW Structural Civil Traffic Façade
612 9439 7288 | 48 Chandos Street St Leonards NSW 2065

Project
SAINT IGNATIUS' COLLEGE
RIVERVIEW - STAGE 2

Sheet Subject
CONCEPT SEDIMENT AND
EROSION CONTROL
SITE PLAN

Scale : A1
1:400
Drawn
DM
Authorised
-
Job No
191740
Drawing No
SKC10
Revision
P4
Plot File Created: Oct 15, 2020 - 6:34pm



PRELIMINARY
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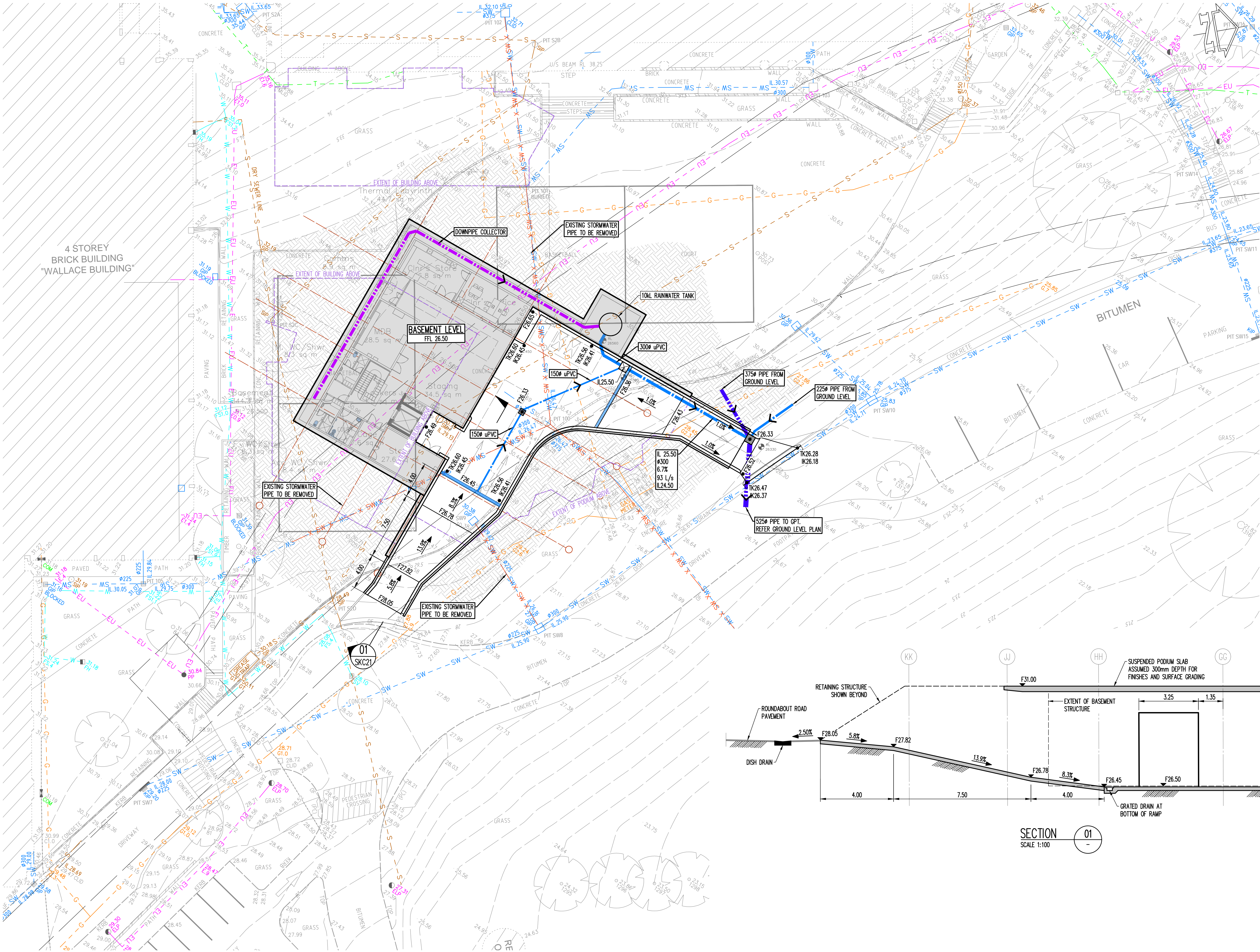
Engineer
TTW **Structural**
Civil
Traffic
Façade
612 9439 7288 | 48 Chandos Street St Leonards NSW 2065

Project
SAINT IGNATIUS' COLLEGE
RIVERVIEW - STAGE 2

Sheet Subject
CONCEPT LOCALITY PLAN

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Plot File Created: Oct 16, 2020 - 12:31pm
Drawing No
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Revision
P5

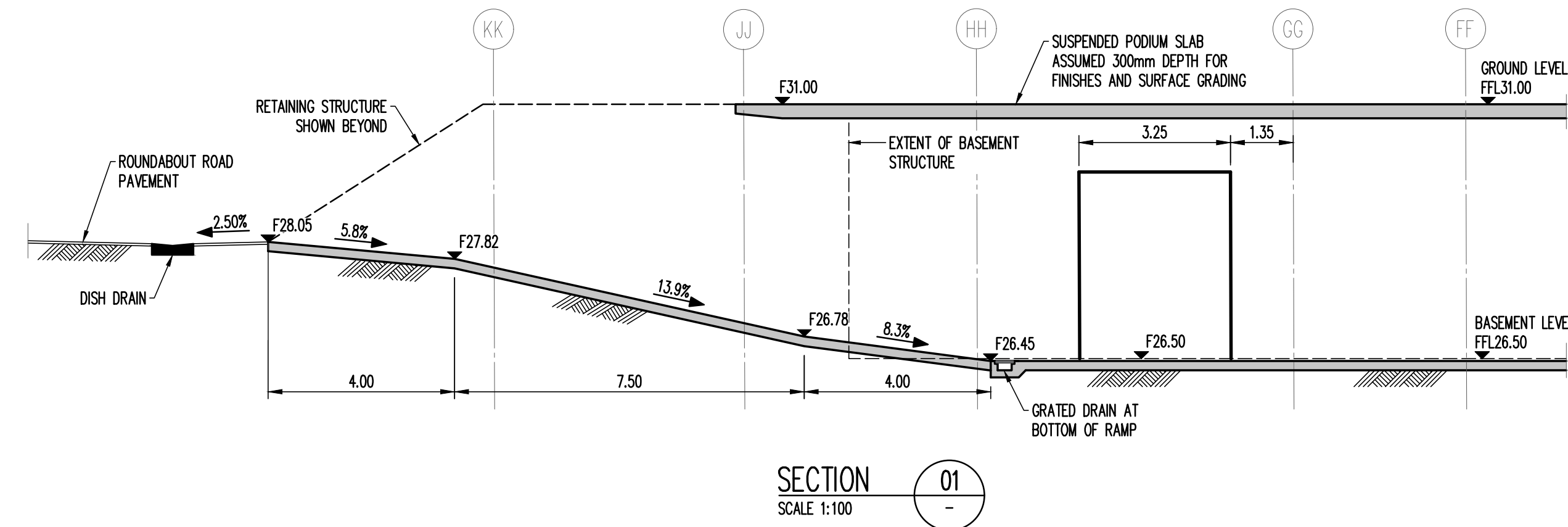
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STORMWATER LEGEND

- F22.20 Finished surface level
- F22.00 Finished contour
- Stormwater pit, flow direction and line
- Invert level upstream
Pipe size and class
Pipe grade
Flow rate (Litres per second)
Invert level downstream
- IR Intermediate riser with subsoil drainage line (100 dia)
- FP Flushing point with subsoil drainage line (100 dia)
- DP Downpipe
- RWO Rainwater outlet
- Surface water drainage
- Roof water drainage
- Stormwater diversion
- SW Existing stormwater to be retained
- SW Existing stormwater to be removed
- GD Grated drain
- RW Blockwork retaining wall
- Extent of structure above
- Extent of structure below



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P3	PRELIMINARY	DM	DM	05.06.20	P7	FOR INFORMATION ONLY	DM	DM	29.09.20
P2	PRELIMINARY	DM	DM	26.03.20					
P1	PRELIMINARY	DM	DM	12.03.20					

Architect
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NORTH SYDNEY, NSW 2060

Engineer
TTW Structural
Civil
Traffic
Façade
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Project
SAINT IGNATIUS' COLLEGE
RIVERVIEW - STAGE 2

Sheet Subject
CONCEPT STORMWATER
MANAGEMENT PLAN
BASEMENT LEVEL

Scale : A1
1:200
Job No
191740
Plot File Created: Oct 15, 2020 - 6:35pm
Drawn
DM
Drawing No
SKC21
Revision
P10

STORMWATER LEGEND

- F22.20 Finished surface level
--- F22.00 Finished contour
[Symbol] Stormwater pit, flow direction and line
[Symbol] Invert level upstream
[Symbol] Pipe size and class
[Symbol] Pipe grade
[Symbol] Flow rate (Litres per second)
[Symbol] Invert level downstream
- IR Intermediate riser with subsoil drainage line (100 dia)
--- FP Flushing point with subsoil drainage line (100 dia)
--- DP Downpipe
--- RWO Rainwater outlet
--- Surface water drainage
--- Roof water drainage
--- Stormwater diversion
--- SW Existing stormwater to be retained
--- SW X Existing stormwater to be removed
--- GO Grated drain
--- RW Blockwork retaining wall
--- Extent of structure above
--- Extent of structure below

Filename: SKC22.dwg - User: darcum - Plot File Created: Oct 16, 2020 - 12:32pm

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Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date

Architect
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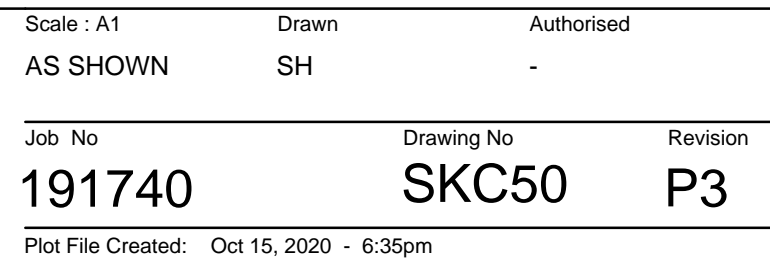
Project
**SAINT IGNATIUS' COLLEGE
RIVERVIEW - STAGE 2**

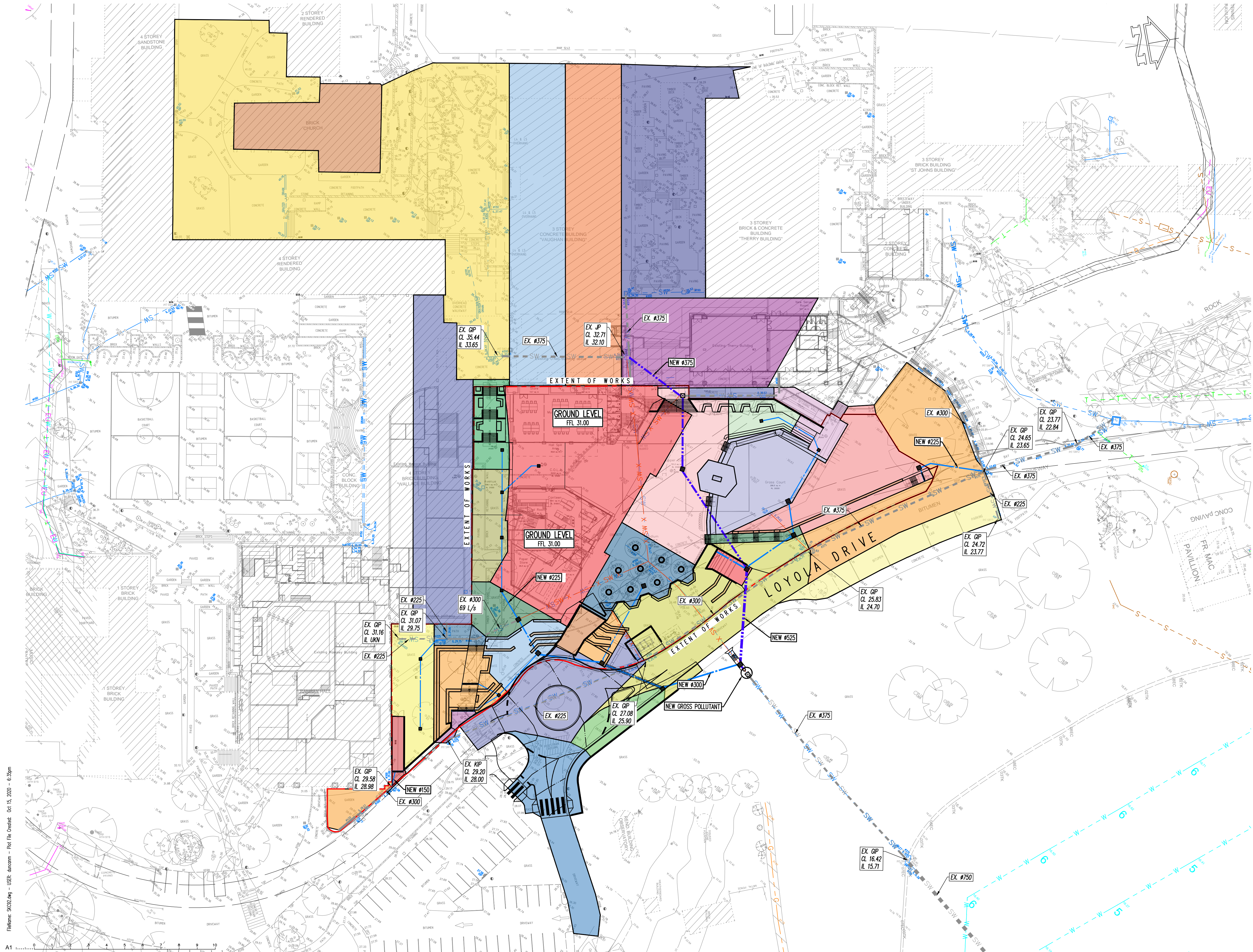
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**CONCEPT STORMWATER
MANAGEMENT PLAN
GROUND LEVEL**

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Revision P10





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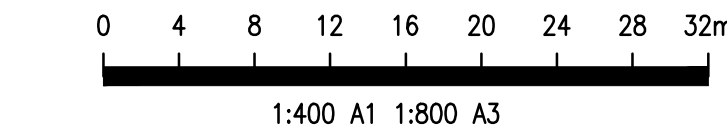
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Architect
PMDL
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Traffic
Façade
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Project
SAINT IGNATIUS' COLLEGE
RIVERVIEW - STAGE 2

Sheet Subject
STORMWATER
CATCHMENT PLAN



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Architect
PMDL
17 / 124 WALKER STREET,
NORTH SYDNEY, NSW 2060

Engineer
TTW **Structural
Civil
Traffic
Façade**
612 9439 7288 | 48 Chandos Street St Leonards NSW 2065

Project
**SAINT IGNATIUS' COLLEGE
RIVERVIEW - STAGE 2**

Sheet Subject
**CONCEPT
BULK EARTHWORKS
CUT AND FILL PLAN**

Scale : A1
1:200

Drawn
DM

Authorised

Job No
191740

Drawing No
SKC30

Revision
P1

Plot File Created: Nov 18, 2020 - 10:06pm

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THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT NOTES ON DRAWING C01

BULK EARTHWORKS LEGEND

	Batter
	Shoring wall
	Refer to structural engineer's drawings
	Bulk Earthworks Step (Step from low side to high side)
	Bulk earthworks spot level
	Bulk earthworks contour level
	Bulk earthworks platform level

CUT & FILL LEGEND

	Fill greater than 2.0m
	Fill 1.5-2m
	Fill 1.0-1.5m
	Fill 0.5-1.0m
	Fill 0.0-0.5m
	No cut or fill
	Cut 0.0-0.5m
	Cut 0.5-1.0m
	Cut 1.0-1.5m
	Cut 1.5-2.0m
	Cut 2.0-2.5m
	Cut 2.5-3.0m
	Cut 3.0-4.0m
	Cut 4.0-5.0m
	Cut 5.0 or greater

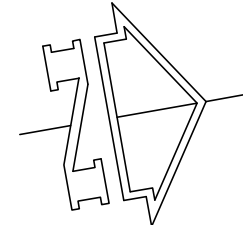
Estimated topsoil stripping
volume (400mm nominal) = 2,300 m³

Estimated cut volume = 4,550 m³
Estimated fill volume = 1,150 m³

Estimated balance volume = 3,400 m³ excess fill

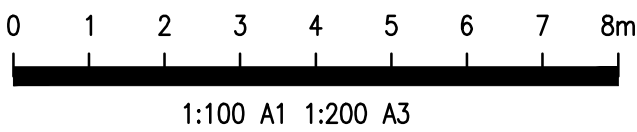
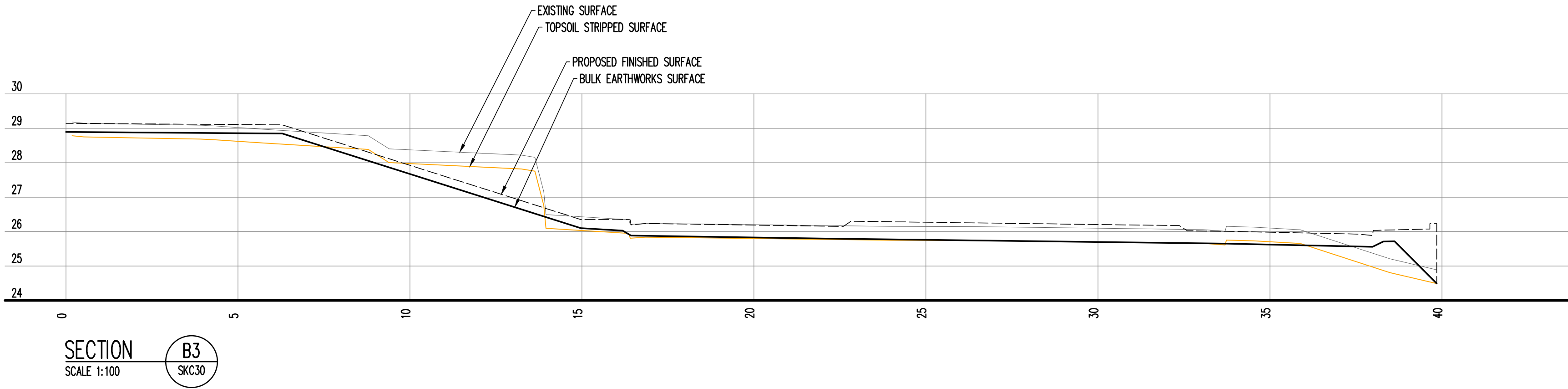
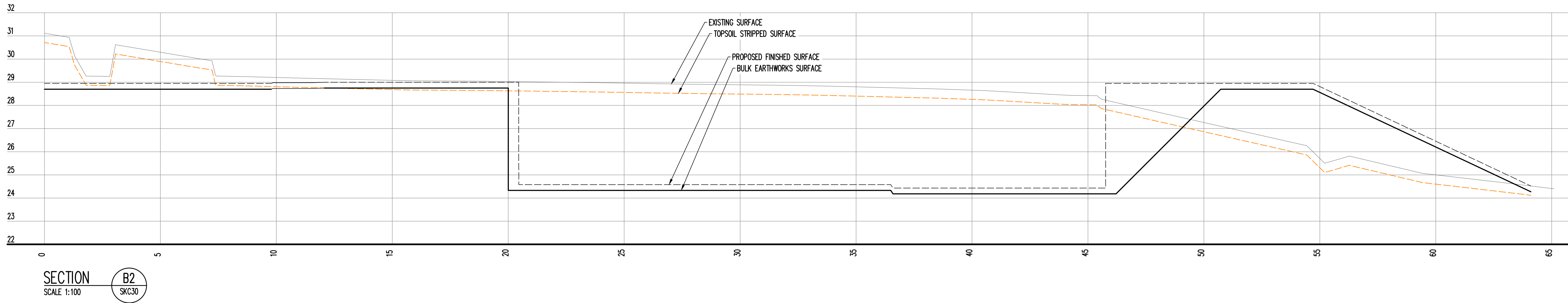
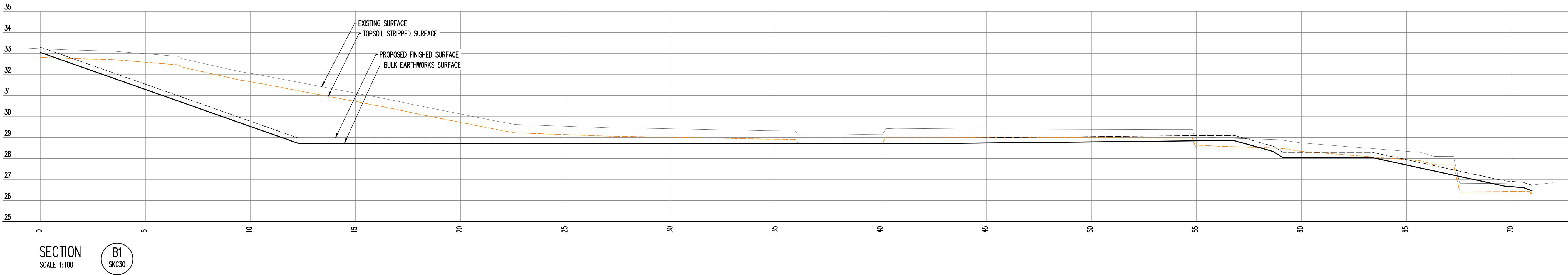
NOTE

- * Bulk Earthworks level = Finish surface - Pavement/slab thickness
- Volumes calculated from stripped surface which assumes nominal 400mm depth of topsoil stripped from existing surface.
- Refer architects drawings for building setback
- Bulk Earthwork drawings are for bulk excavation only. They are not to be used for detailed excavation such as: lift shafts, footings, pits etc.
- Bulk Earthwork setback refers to bulk excavation only. They are not to be used for building, kerb or any other setback.



0 2 4 6 8 10 12 14 16m
1:200 A1 1:400 A3

PRELIMINARY
NOT TO BE USED
FOR CONSTRUCTION



PRELIMINARY
NOT TO BE USED
FOR CONSTRUCTION

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

P1 PRELIMINARY				DM	DM	18.11.20					
Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date	Rev	Description

Architect
PMDL
17 / 124 WALKER STREET,
NORTH SYDNEY, NSW 2060

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TTW **Structural**
Civil
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Façade
612 9439 7288 | 48 Chandos Street St Leonards NSW 2065

Project
SAINT IGNATIUS' COLLEGE
RIVERVIEW - STAGE 2

Sheet Subject
CONCEPT
BULK SECTIONS SHEET

Scale : A1
1:200

Drawn
DM

Authorised
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Job No
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