

NOTE RE. SERVICES

APPROXIMATE LOCATIONS OF EXISTING SERVICES SHOWN ON LONGITUDINAL SECTION. EXACT LOCATIONS & DEPTHS TO BE ACCURATELY LOCATED BY THE BUILDING CONTRACTOR BY CONTACTING THE RELEVANT AUTHORITIES BEFORE COMMENCEMENT OF ANY WORKS

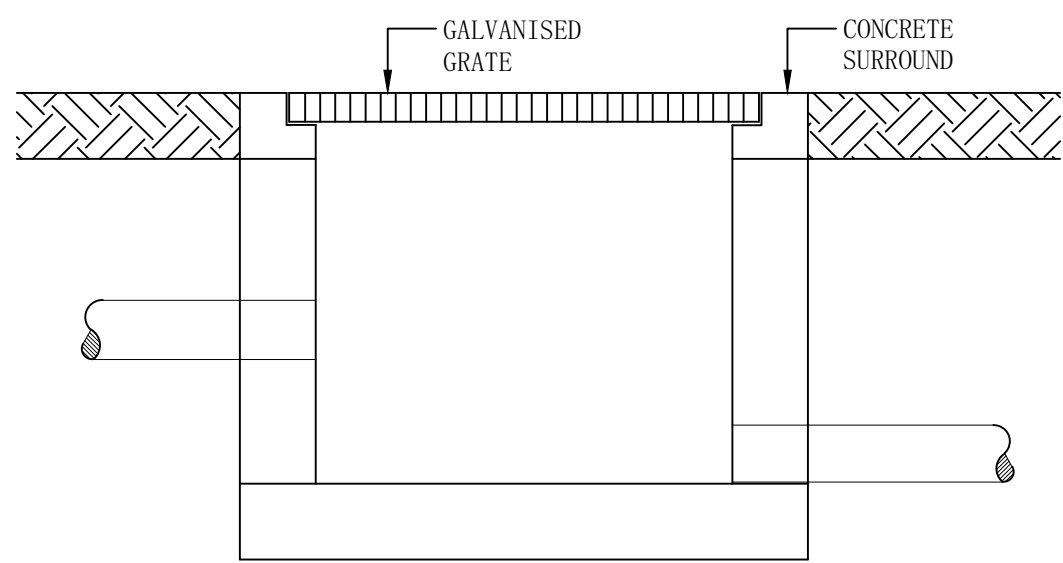


NOTES

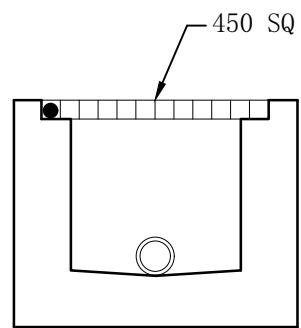
- ALL LINES ARE TO BE MIN. 100 ϕ UPVC @ MIN 1.0% GRADE UNLESS NOTED OTHERWISE.
- IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE & LEVEL ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF ANY EARTHWORKS. ALL DESIGN LEVELS SHOWN ON PLAN SHALL BE VERIFIED ON SITE PRIOR TO THE COMMENCEMENT OF ANY WORK.
- ALL PIPES TO HAVE MIN 200mm COVER IF LOCATED WITHIN PROPERTY.
- ALL PITS IN DRIVEWAYS BE HEAVY DUTY GRATES. DIRECT SURFACE FLOW TO ALL GRATED SURFACE INLET PITS.
- ALL WORK DO BE DONE IN ACCORDANCE WITH AS/NZ 3500.3.2:2003 AND COUNCIL SPECIFICATIONS.
- LOCATION OF DOWNPIPES & FLOOR WASTES ARE INDICATIVE ONLY. DOWNPIPE & FLOOR WASTE SIZE, LOCATION & QUANTITY TO BE DETERMINED BY BUILDER & IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARDS.
- THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL, LANDSCAPE AND STRUCTURAL PLANS.
- ANY DISCREPANCIES OR OMISSIONS SHALL BE REFERRED TO THE DESIGN ENGINEER FOR RESOLUTION.
- ALL PITS OR GRATES IN TRAFFICABLE AREAS TO BE HEAVY DUTY.
- ALL GUTTERS WILL BE FITTED WITH LEAF GUARDS AND SHOULD BE INSPECTED AND CLEANED TO ENSURE LEAF LITTER CANNOT ENTER THE DOWNPIPES

SYMBOLS

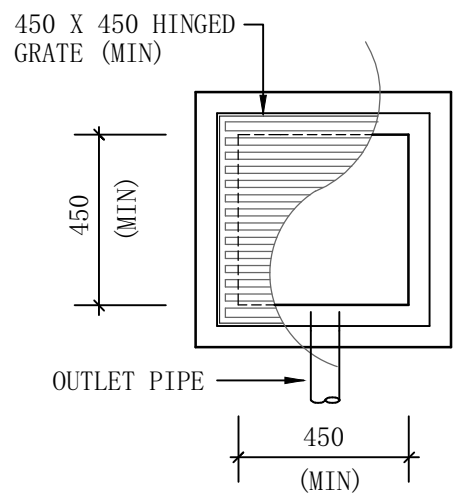
F.F.L.	FINISHED FLOOR LEVEL
T.K.	TOP OF KERB
RL	PIT SURFACE LEVEL
IL	INVERT LEVEL
---	STORMWATER DRAINAGE PIPE
---	DOWNPIPE TO RAINWATER TANK
•DP	100 ϕ DOWN PIPE (U.N.O.)
•SP	SPREADER
•IE	INSPECTION EYE
///	MASONRY RETAINING WALL
FW	FLOOR WASTE 150 ϕ
	GRATED INLET PIT
	GRATED DRAIN
←	OVERLAND FLOW PATH
ES	EMERGENCY SPILLITER
VD	VERTICAL DROP
•EDP	EXISTING 100 ϕ DOWN PIPE (U.N.O.)
---	EXISTING STORMWATER DRAINAGE PIPE



TYPICAL PIT DETAIL
NTS



TYPICAL PIT SECTION
N.T.S.



STANDARD PIT
N.T.S.

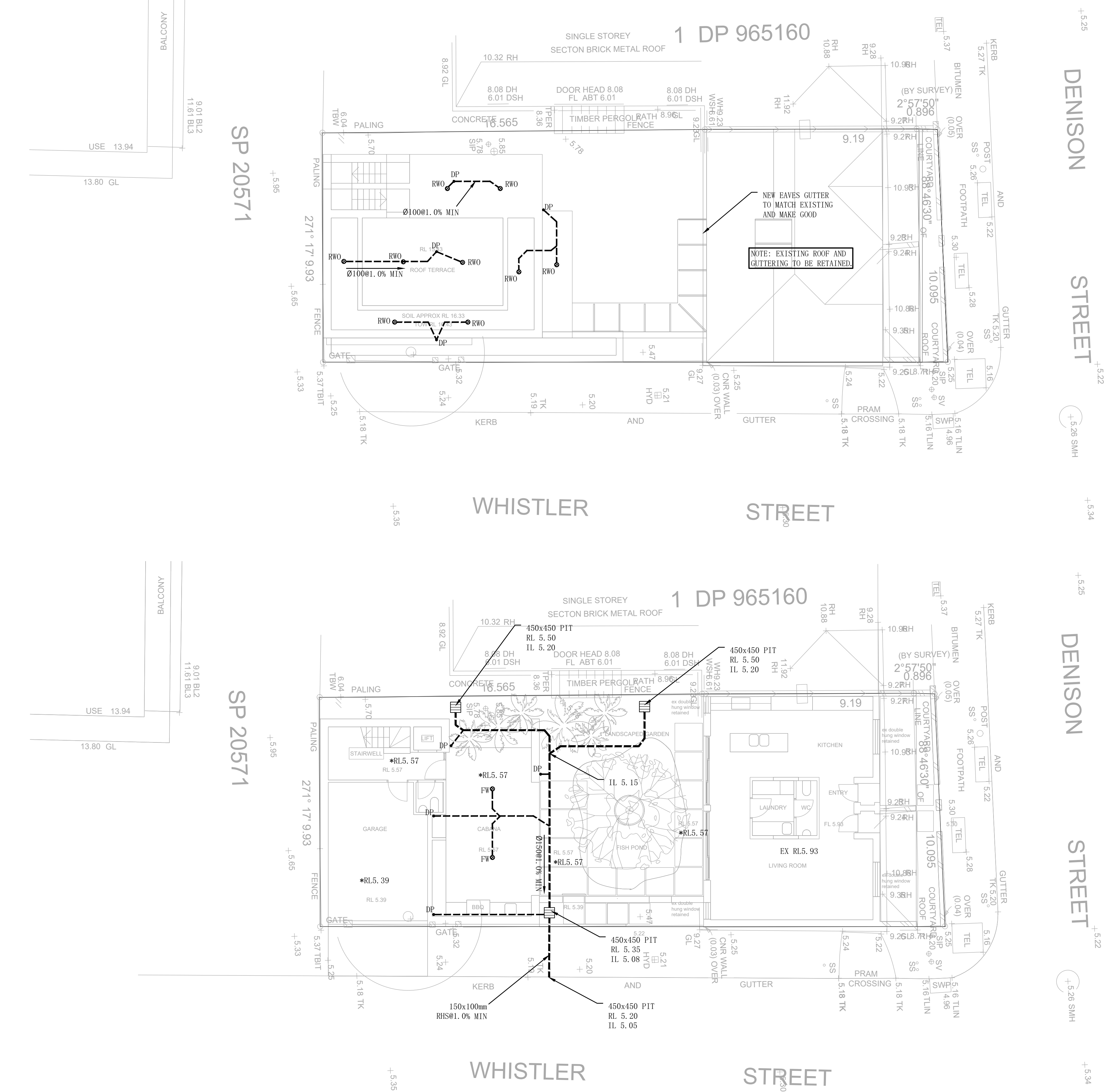
DESIGN SUMMARY:
PROPOSED ADDITIONS AND ALTERATIONS TO THE EXISTING DWELLING HOUSE (SITE AREA=269.70m²).

PRE-DEVELOPMENT:
TOTAL PERVIOUS AREA = 10.30m²
TOTAL IMPERVIOUS AREA = 259.40m²

POST-DEVELOPMENT:
TOTAL PERVIOUS AREA = 45.67m²
TOTAL IMPERVIOUS AREA = 224.03m²

THE SUBJECT SITE IS LOCATED WITHIN THE REGION 3 ZONE 2 - ONSITE STORMWATER RETENTION (ABSORPTION). HOWEVER, SINCE THE SITE IS RELATIVELY SMALL AND IT IS NOT FEASIBLE TO PROVIDE SUFFICIENT SETBACK FOR ABSORPTION SYSTEM TO THE SITE BOUNDARY AND BUILDING STRUCTURE. IN ADDITION, THE TOTAL POST-DEVELOPMENT IMPERVIOUS AREA IS LESS THAN EXISTING DEVELOPMENT, OSD OR OSR SYSTEM IS CONSIDERED NOT APPLICABLE.

GROUND FLOOR STORMWATER DRAINAGE PLAN
SCALE 1:100



Rev	Description	By	App	Date
A	FOR DA APPROVAL	SH	IN	05/09/23

Engineering Consultant

STRONGHOLD ENGINEERS
Email: admin@shens.com.au
Ph: 02 6100 1148
Suite 79 80-97 JONES STREET
ULTIMO NSW 2007

Client

RED RUBY HOLDING PTY LTD

Project

9-11 DENISON STREET
MANLY NSW 2095

Drawing Title

SITE STORMWATER DRAINAGE PLAN

Project Number

SH23388

Engineer

SH

Date

SEP 2021

Drawing Number

ST01

Drawn

IN

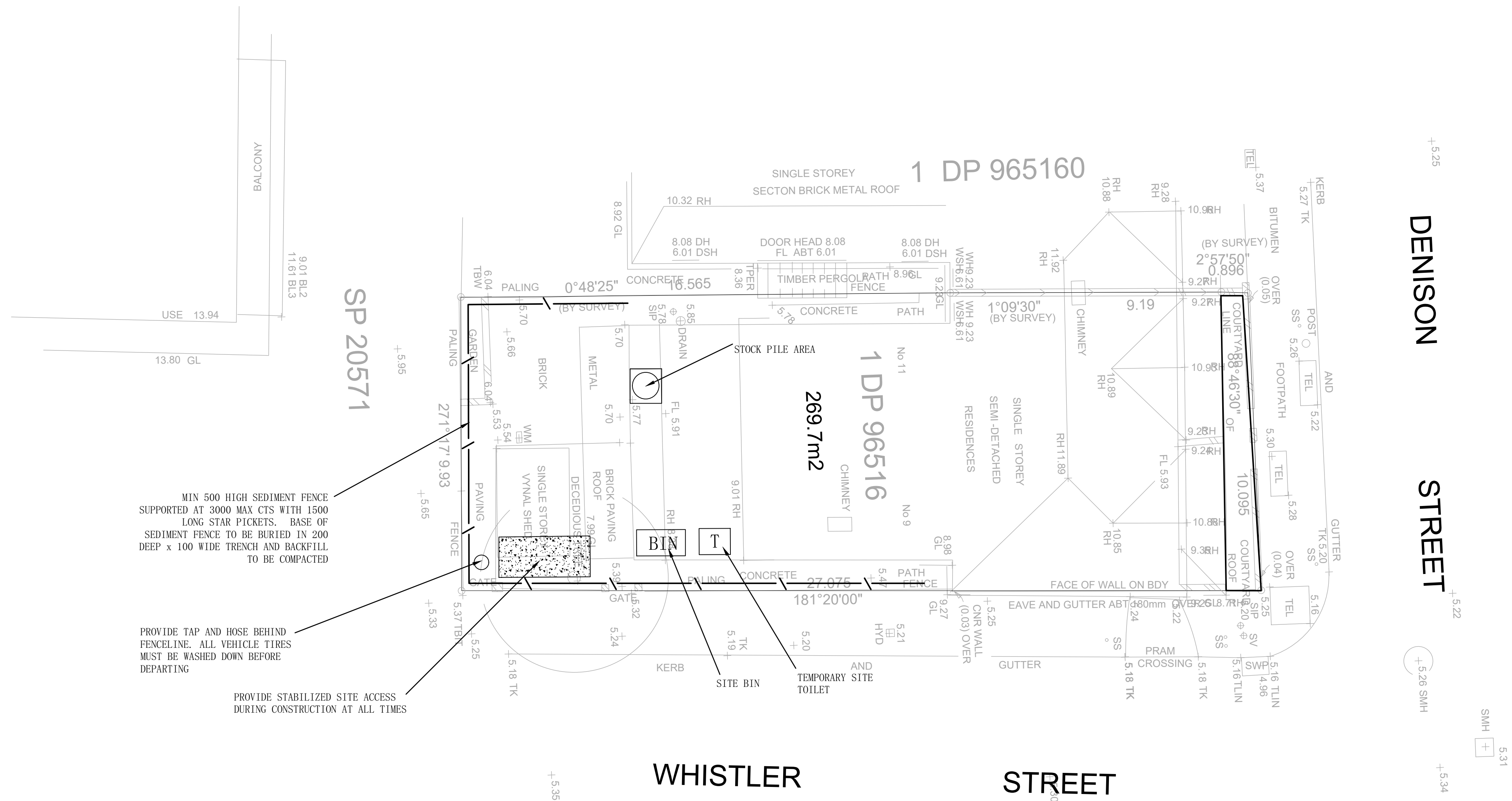
Scale

1:100 A1

Revision

A

NOT FOR CONSTRUCTION



MIN 500 HIGH SEDIMENT FENCE
SUPPORTED AT 3000 MAX CTS WITH 1500
LONG STAR PICKETS. BASE OF
SEDIMENT FENCE TO BE BURIED IN 200
DEEP x 100 WIDE TRENCH AND BACKFILL
TO BE COMPACTED

PROVIDE TAP AND HOSE BEHIND
FENCELINE. ALL VEHICLE TIRES
MUST BE WASHED DOWN BEFORE
DEPARTING

PROVIDE STABILIZED SITE ACCESS
DURING CONSTRUCTION AT ALL TIMES

EROSION AND SEDIMENT CONTROL PLAN

SCALE 1:100

EROSION CONTROL NOTES

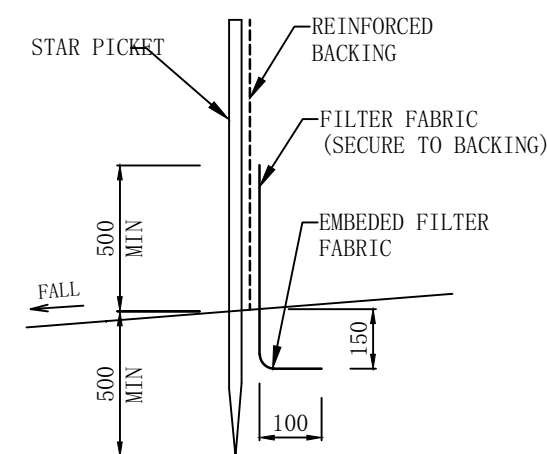
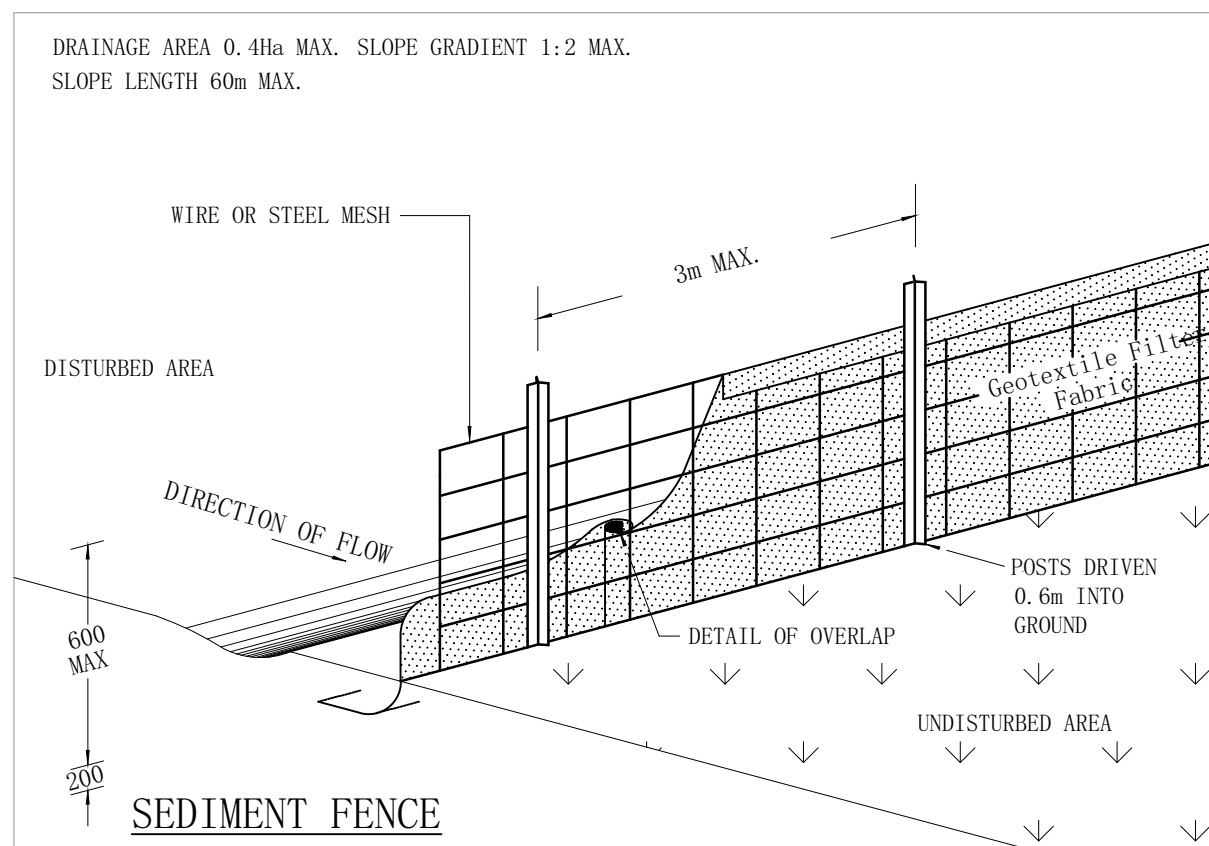
1. ALL EROSION & SEDIMENT CONTROL MEASURES ARE TO BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH "MANAGING URBAN STORMWATER, 3rd EDITION" PRODUCED BY THE NSW DEPARTMENT OF HOUSING.
2. ALL EROSION AND SILTATION CONTROL DEVICES ARE TO BE PLACED PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION WORKS. AND ALL SILT TRAPS ARE TO HAVE DEPOSITED SILT REMOVED REGULARLY DURING CONSTRUCTION
3. ALL TREES ARE TO BE PRESERVED UNLESS INDICATED OTHERWISE ON THE ARCHITECT'S OR LANDSCAPE ARCHITECT'S DRAWINGS. EXISTING GRASS COVER SHALL BE MAINTAINED EXCEPT IN AREAS CLEARED FOR BUILDINGS, PAVEMENTS ETC.
4. INSTALL TEMPORARY SEDIMENT BARRIERS TO ALL INLET PITS LIKELY TO COLLECT SILT LADEN WATER
5. NOT WITHSTANDING DETAILS SHOWN IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO ENSURE THAT ALL SITE ACTIVITIES COMPLY WITH THE REQUIREMENTS OF THE CLEAN WATERS ACT.

SYMBOLS

- EXISTING CONTOURS
- SILT FENCE
- WIRE MESH FENCE
- φ 50 PUMP LINE

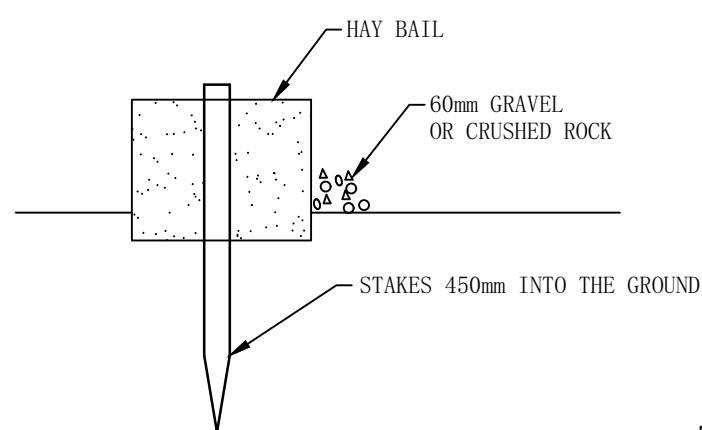
NOTES: SOIL & WATER MANAGEMENT

1. ALL EROSION AND SEDIMENT CONTROL MEASURES TO BE INSPECTED AND MAINTAINED DAILY BY SITE MANAGER.
2. MINIMISE DISTURBED AREAS.
3. ALL STOCKPILES TO BE CLEAR FROM DRAINS, GUTTERS AND FOOTPATHS.
4. DRAINAGE IS TO BE CONNECTED TO STORMWATER SYSTEM AS SOON AS POSSIBLE.
5. ROADS AND FOOTPATH TO BE SWEEP DAILY.
6. NO MATERIAL TO BE STORED ON FOOTPATH.
7. IF YOU DO NOT COMPLY YOU MAY BE LIABLE TO A \$1500 FINE.

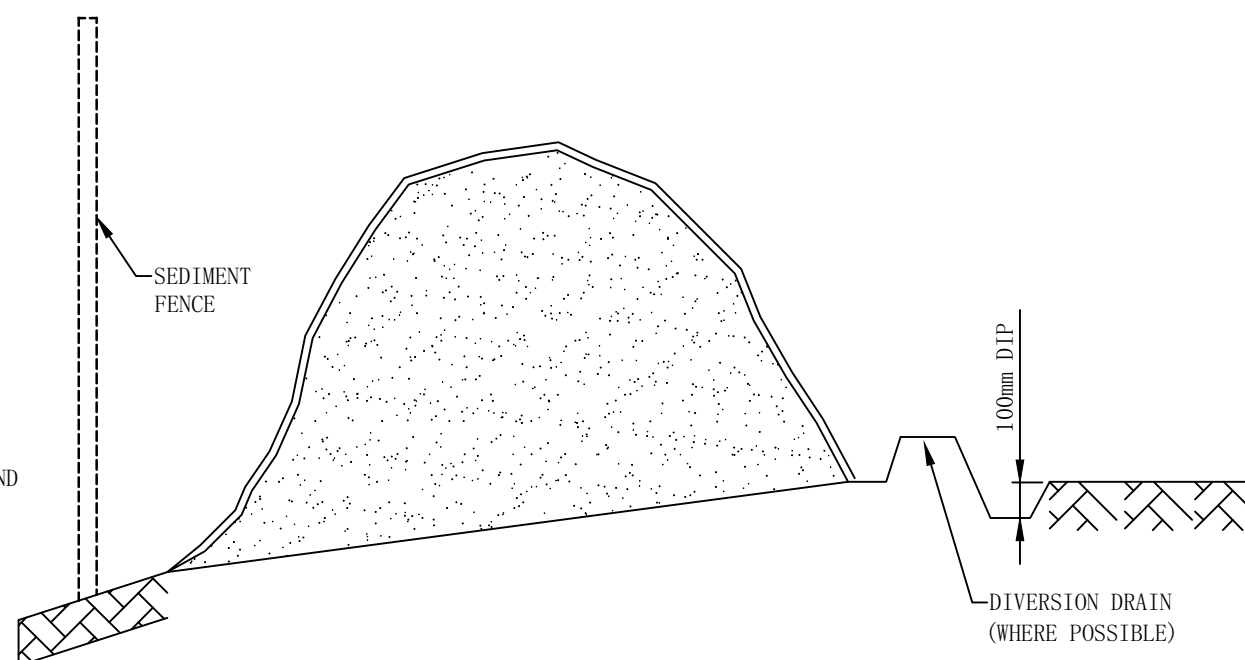


SILT FENCE DETAIL

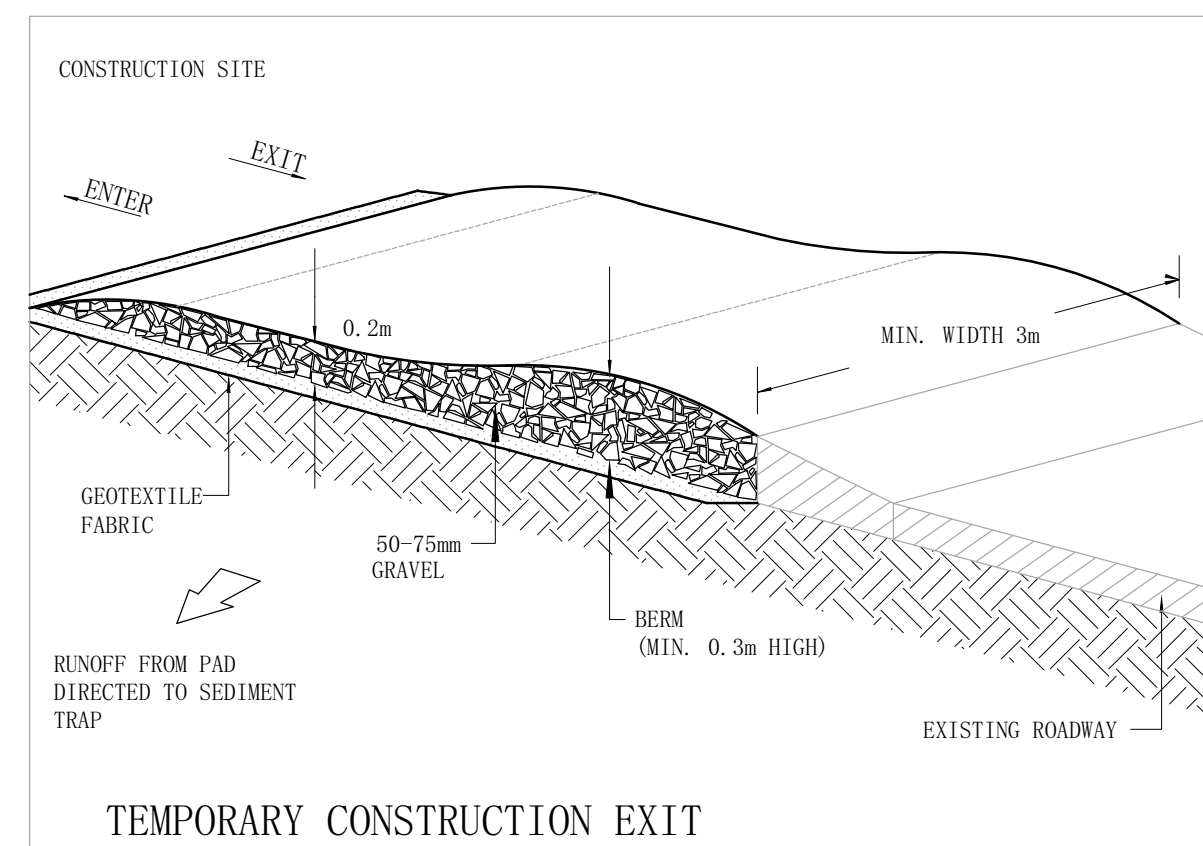
TO BE USED AS REQUIRED



HAY BAIL DETAIL



SOIL STOCK PILE



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A	FOR DA APPROVAL	SH	IN	05/09/23

Engineering Consultant

STRONGHOLD ENGINEERS
Email: admin@shens.com.au
Ph: 02 9100 1148
Suite 79 89-97 JONES STREET
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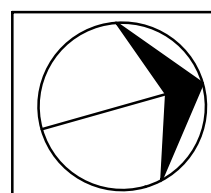
**9-11 DENISON STREET
MANLY NSW 2095**

Drawing Title

**EROSION AND SEDIMENT
CONTROL PLAN AND DETAILS**

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Project Number	Drawing Number	Revision
SH23388	ST02	A
Engineer	Drawn	
SH	IN	
Date	Scale	
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