

MAWSON AVENUE

9-11 MAWSON AVENUE, BELLA VISTA

LGA: THE HILLS SHIRE COUNCIL

DRG STATUS: ISSUED FOR INFORMATION



LOCALITY PLAN

SCALE 1:2000

SOURCE: NEARMAP

DRAWING INDEX	
DRAWING No.	DRAWING TITLE
CI-0000	COVERSHEET, LOCALITY PLAN AND DRAWING INDEX
CI-0100	EROSION SEDIMENT AND CONTROL PLAN
CI-0140	EROSION SEDIMENT AND CONTROL DETAILS
CI-0300	SITEWORKS PLAN - LOWER GROUND FLOOR
CI-0301	SITEWORKS PLAN - GROUND FLOOR
CI-0460	DRAINAGE DETAILS
CI-0530	DRIVEWAY SECTIONS



REV	DATE	DESCRIPTION	REV	DATE	DESCRIPTION
A	10.04.26	ISSUED FOR INFORMATION	SM		
REV		DATE	DESCRIPTION		REV
REV		DATE	DESCRIPTION		REV

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PROJECT

MAWSON AVE
9-11 MAWSON AVENUE
BELLA VISTA NSW 2154

STATUS			
ISSUED FOR INFORMATION			
NOT TO BE USED FOR CONSTRUCTION			
DRAWN	DESIGNED	CHECKED	APPROVED
KSL	SK	SM	SM
DATUM	GRID	SCALE	
AHD	SDA2020-SM	1:2000	

TITLE		
COVERSHEET, LOCALITY PLAN AND DRAWING INDEX		
PROJECT No.	DRAWING No.	REV
S25242	CI-0000	A

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UNAIPON AVE

CELEBRATION DRIVE

FLOREY AVENUE

MAWSON AVENUE

LEGEND

- LIMIT OF WORKS
- SITE BOUNDARY
- STAGE BOUNDARY
- ARCHITECTURAL DESIGN
- LANDSCAPE DESIGN
- SURVEY
- SECURITY FENCE
- SEDIMENT FENCE
- GATE
- GEOTEXTILE INLET FILTER
- MESH AND GRAVEL INLET FILTER
- STABILISED SITE ACCESS
- STOCKPILE
- SANDBAG
- SEDIMENT BASIN

NOTES

- REFER DRAWING CI-0140 FOR EROSION AND SEDIMENT CONTROL DETAILS.
- CONTRACTOR TO ENSURE SITE DRAINAGE IS NOT ADVERSELY IMPACTED DURING CONSTRUCTION.
- CONTRACTOR TO PROVIDE 'SANDBAG SEDIMENT TRAP' TO ALL PAVED/ROAD AREAS (BOTH PROPOSED AND EXISTING) IN ACCORDANCE WITH THE 'BLUE BOOK'.
- CONTRACTOR TO PROVIDE 'GEOTEXTILE INLET FILTER TRAPS' TO ALL STORMWATER DRAINAGE INLETS (BOTH PROPOSED AND EXISTING) IN ACCORDANCE WITH THE 'BLUE BOOK'.
- INSTALL AND MAINTAIN SANDBAG FILTERS ACROSS ALL PAVEMENT INTERFACES..
- ASSUMED SOIL TYPE "D" FOR SEDIMENT BASIN CALCULATION.
- SEDIMENT BASIN TO BE CONSTRUCTED IN ACCORDANCE WITH 'SOILS AND CONSTRUCTION VOLUME 1'

SEDIMENT BASIN CALCULATION TABLE

Cv	R	CATCHMENT AREA	SETTLING ZONE VOLUME	SEDIMENT STORAGE VOLUME	TOTAL BASIN VOLUME
0.35	23.40	0.698 ha	57m ³	24m ³	81m ³

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REV	DATE	DESCRIPTION	RVD	REV	DATE
REVISIONS					



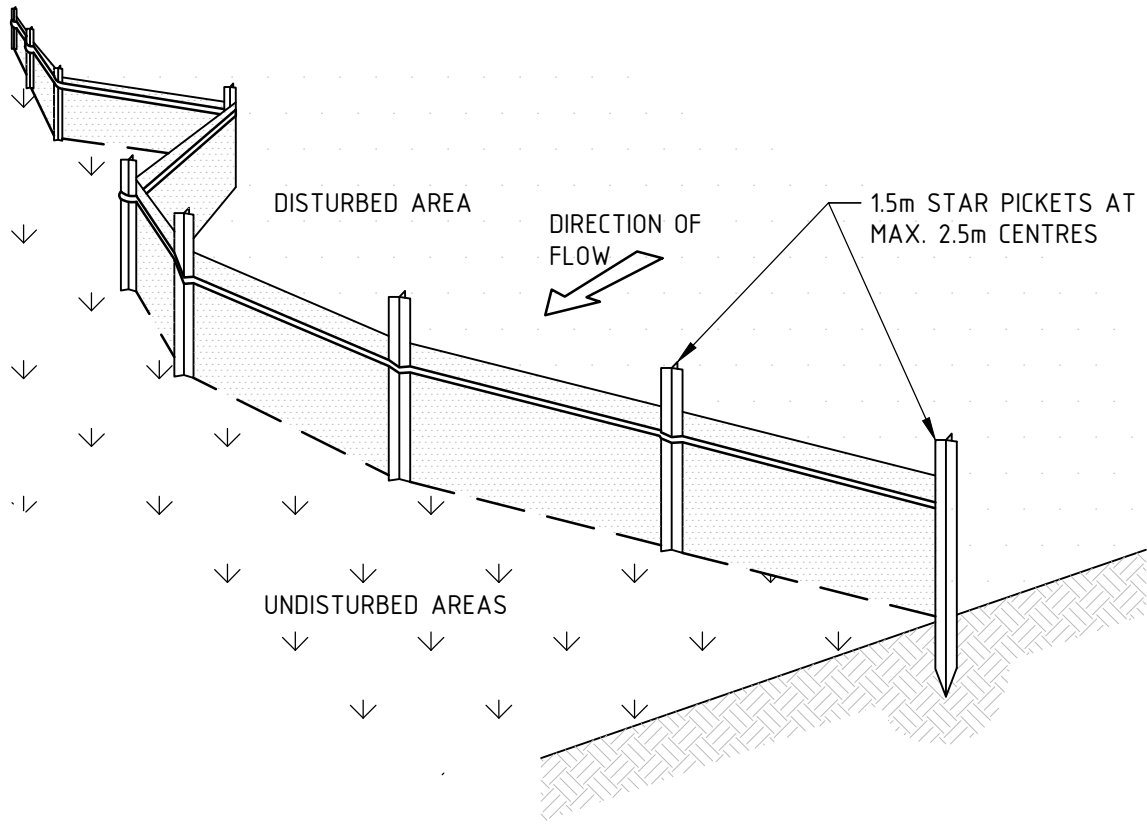
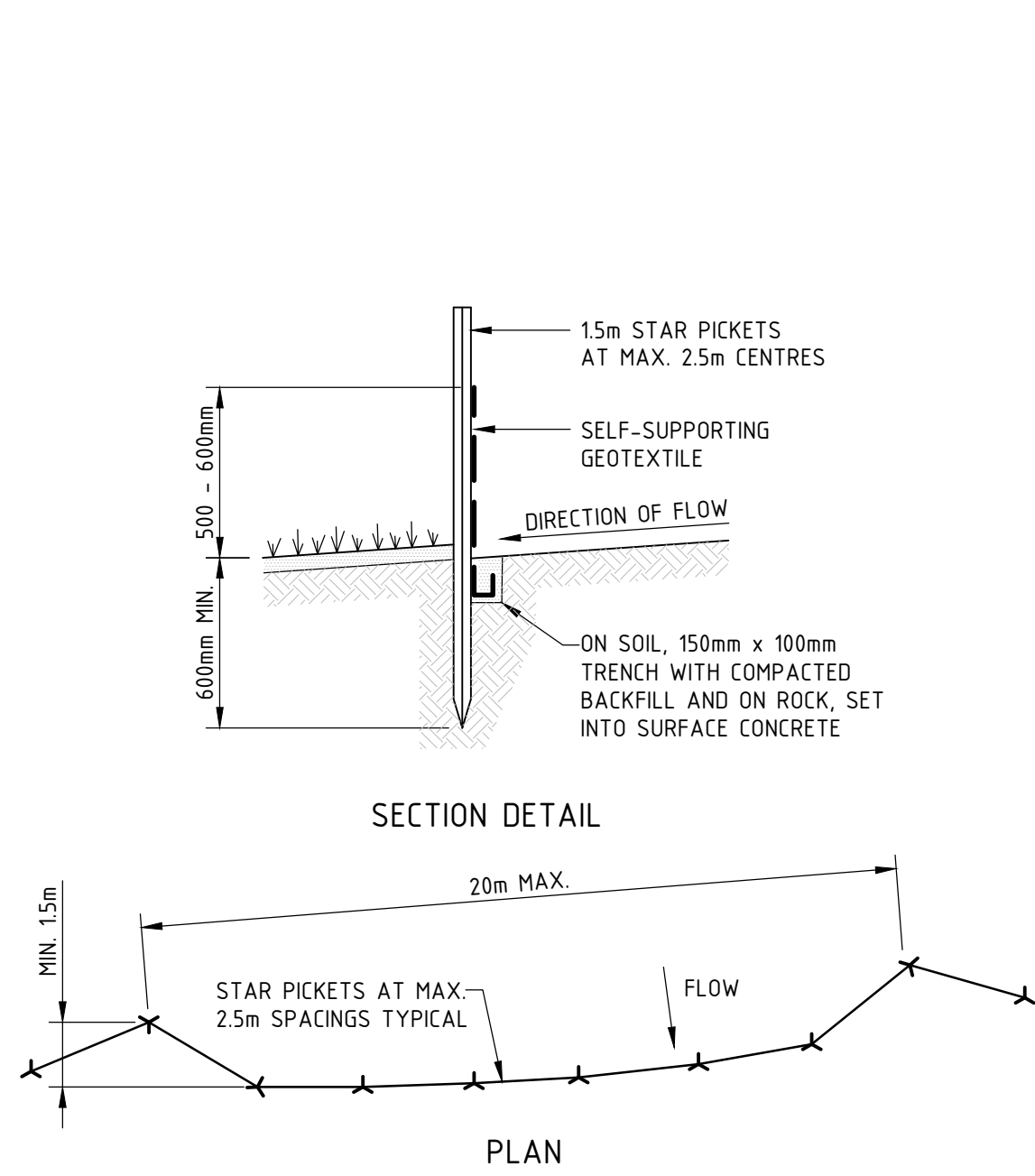
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DATUM AHD	GRID 50A2020-S#	SCALE 1:250	AT A1 SIZE

TITLE		
EROSION SEDIMENT AND CONTROL PLAN		
PROJECT No. S25242	DRAWING No. CI-0100	REV. A

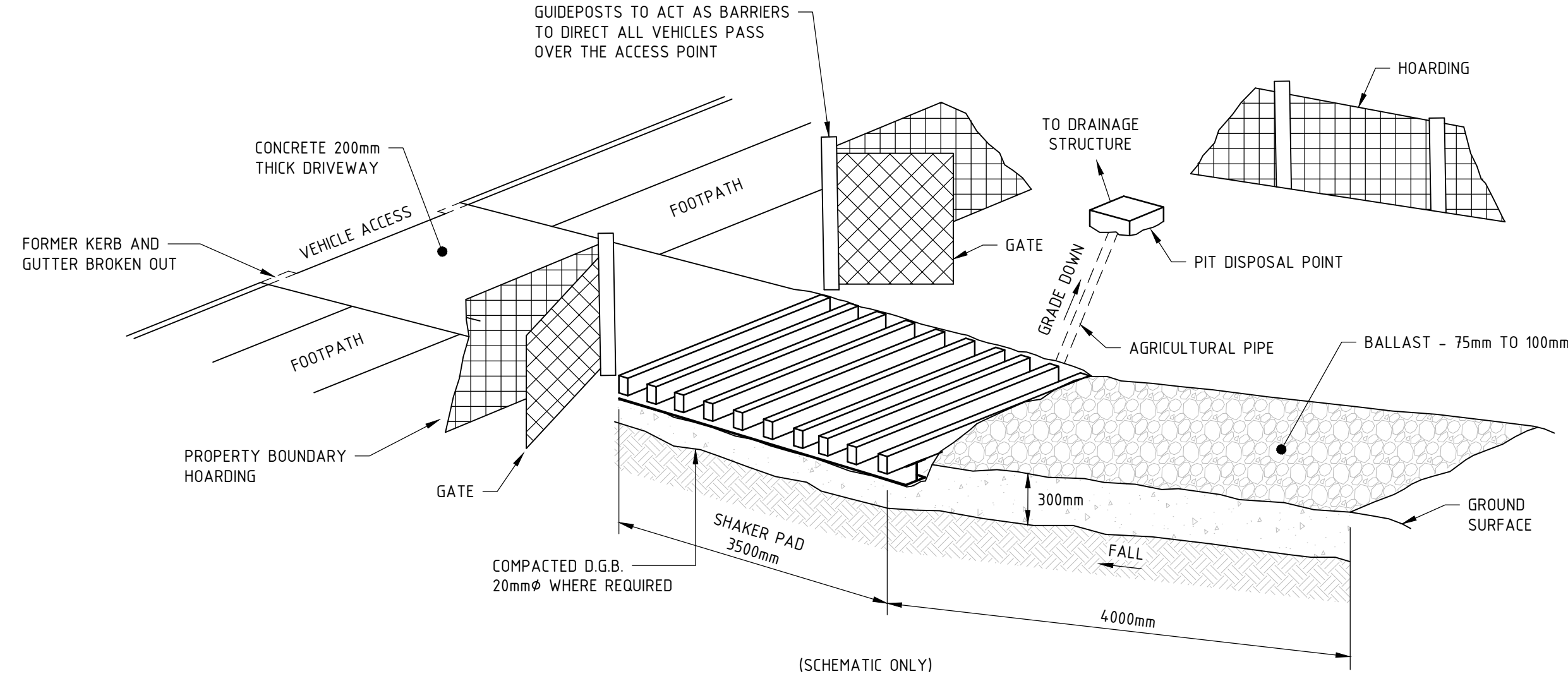


SEDIMENT FENCE CONSTRUCTION NOTES:

- CONSTRUCT SEDIMENT FENCES AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE, BUT WITH SMALL RETURNS AS SHOWN IN THE DRAWING TO LIMIT THE CATCHMENT AREA OF ANY ONE SECTION. THE CATCHMENT AREA SHOULD BE SMALL ENOUGH TO LIMIT WATER FLOW IF CONCENTRATED AT ONE POINT TO 50 LITRES PER SECOND IN THE DESIGN STORM EVENT, USUALLY THE 10-YEAR EVENT.
- CUT A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
- DRIVE 15m LONG STAR PICKETS INTO GROUND AT 25m INTERVALS (MAX.) AT THE DOWNSLOPE EDGE OF THE TRENCH. ENSURE ANY STAR PICKETS ARE FITTED WITH SAFETY CAPS.
- FIX SELF-SUPPORTING GEOTEXTILE TO THE UPSLOPE SIDE OF THE POSTS ENSURING IT GOES TO THE BASE OF THE TRENCH. FIX THE GEOTEXTILE WITH WIRE TIES OR AS RECOMMENDED BY THE MANUFACTURER. ONLY USE GEOTEXTILE SPECIFICALLY PRODUCED FOR SEDIMENT FENCING. THE USE OF SHADE CLOTH FOR THIS PURPOSE IS NOT SATISFACTORY.
- JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.
- BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.

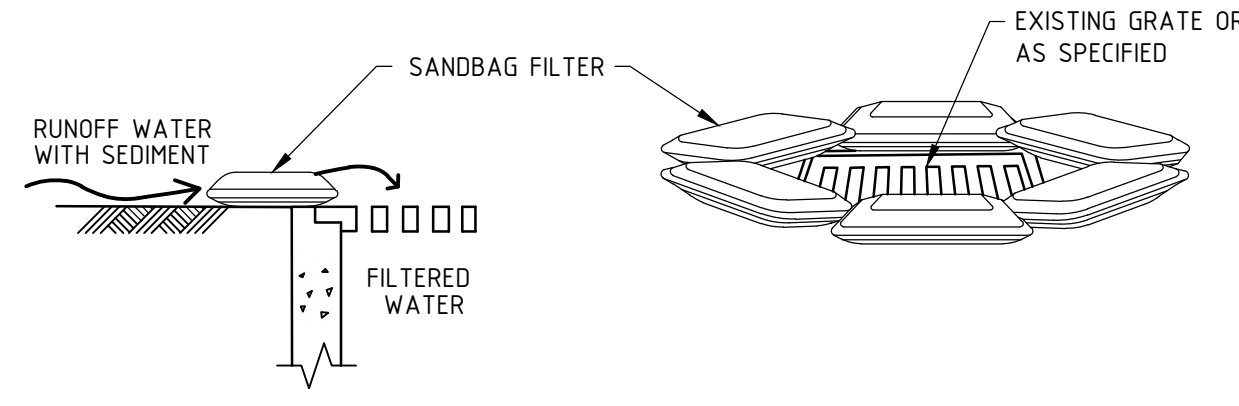
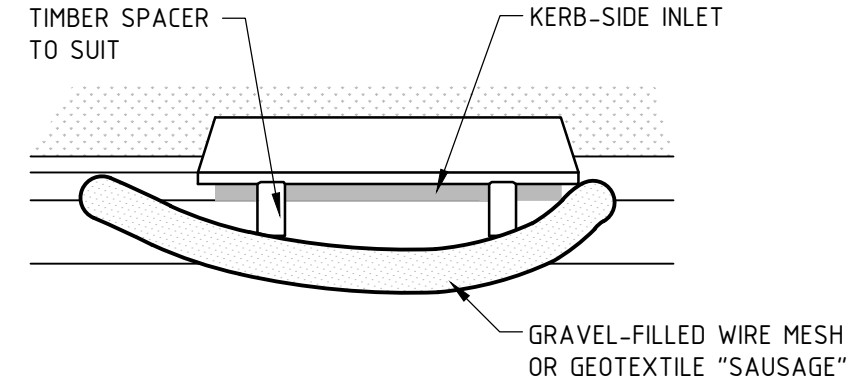
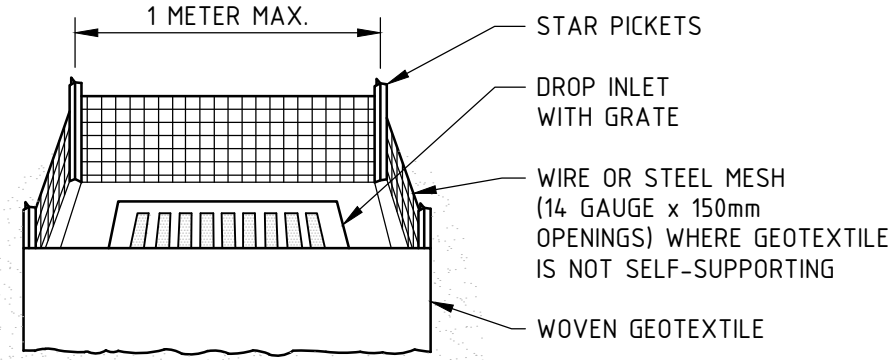
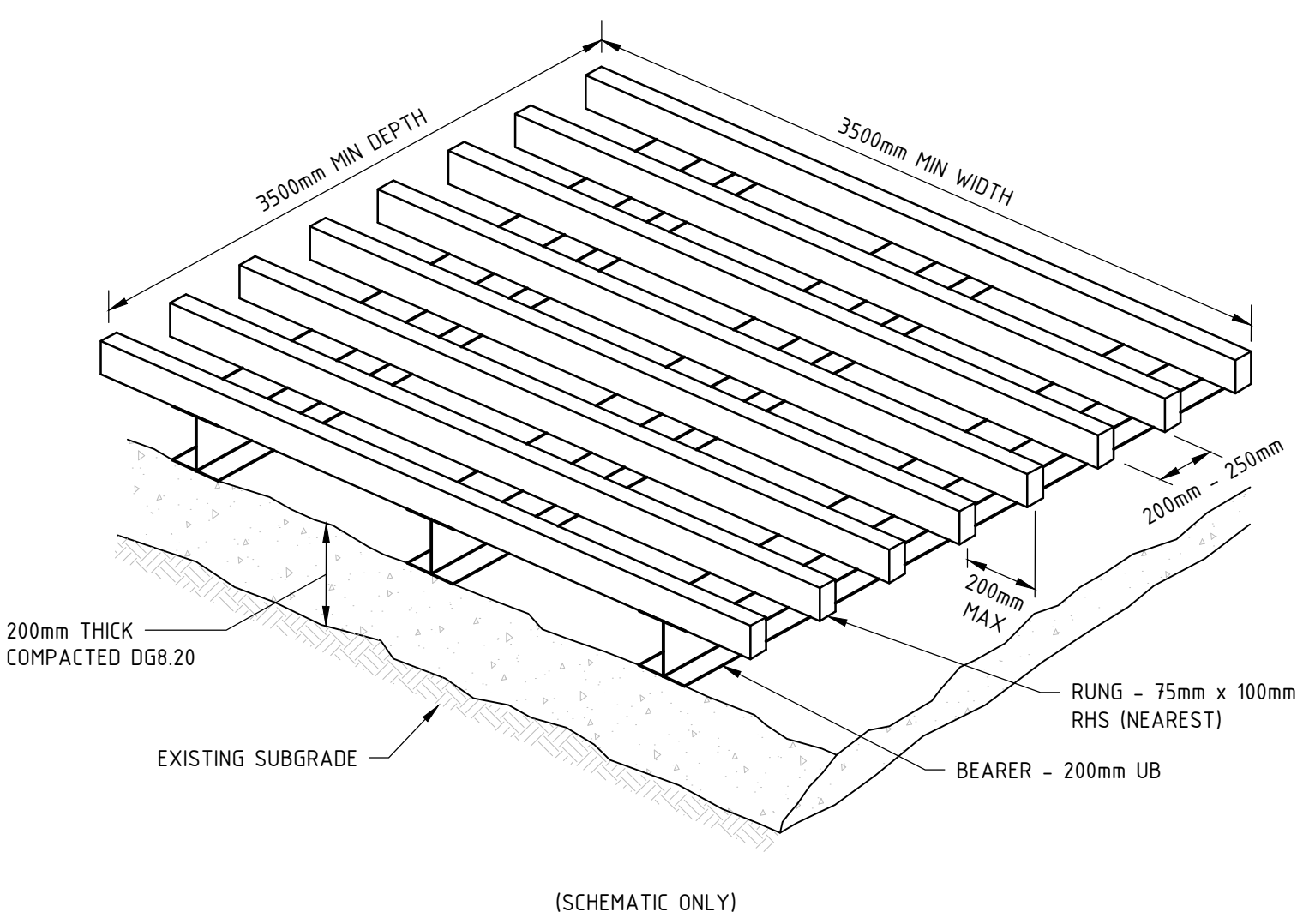
SEDIMENT FENCE

SCALE N.T.S



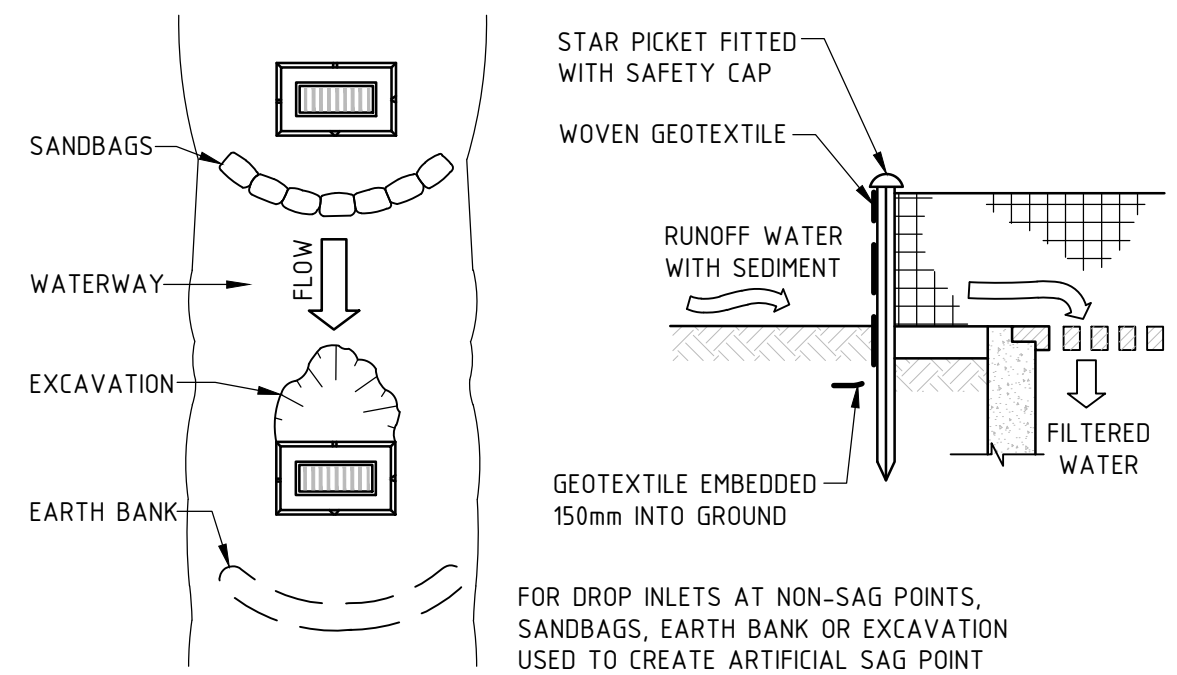
STABILISED SITE ACCESS - SHAKER GRID

SCALE N.T.S



SANDBAG SEDIMENT TRAP

NTS

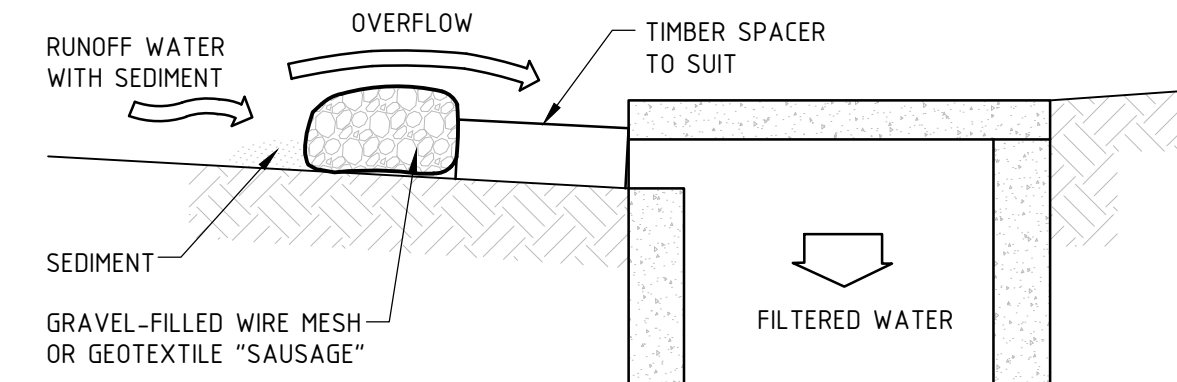


GEOTEXTILE INLET FILTER CONSTRUCTION NOTES:

- FABRICATE A SEDIMENT BARRIER MADE FROM GEOTEXTILE OR STRAW BALES.
- PICKET SPACING TO BE A MAXIMUM 1.0m CENTRES.
- IN WATERWAYS, ARTIFICIAL SAG POINTS CAN BE CREATED WITH SANDBAGS OR EARTH BANKS AS SHOWN IN THE DRAWING.
- DO NOT COVER THE INLET WITH GEOTEXTILES UNLESS THE DESIGN IS ADEQUATE TO ALLOW FOR ALL WATERS TO BYPASS IT.

GEOTEXTILE INLET FILTER

SCALE N.T.S

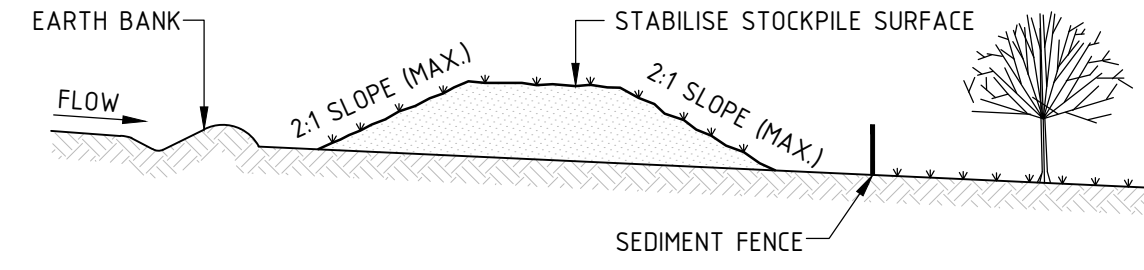


MESH & GRAVEL INLET FILTER CONSTRUCTION NOTES:

- INSTALL FILTERS TO KERB INLETS ONLY AT SAG POINTS.
- FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH LONGER THAN THE LENGTH OF THE INLET PIT AND FILL IT WITH 25mm TO 50mm GRAVEL.
- FORM AN ELLIPTICAL CROSS-SECTION ABOUT 150mm HIGH x 400mm WIDE.
- PLACE THE FILTER AT THE OPENING LEAVING AT LEAST A 100mm SPACE BETWEEN IT AND THE KERB INLET. MAINTAIN THE OPENING WITH SPACER BLOCKS.
- FORM A SEAL WITH THE KERB TO PREVENT SEDIMENT BYPASSING THE FILTER.
- SANDBAGS FILLED WITH GRAVEL CAN SUBSTITUTE FOR THE MESH OR GEOTEXTILE PROVIDING THEY ARE PLACED SO THAT THEY CAN FIRMLY ABUT EACH OTHER AND SEDIMENT-LADEN WATERS CANNOT PASS BETWEEN.

MESH & GRAVEL INLET FILTER

SCALE N.T.S



STOCKPILE CONSTRUCTION NOTES:

- PLACE STOCKPILES MORE THAN 2 (PREFERABLY 5) METRES FROM EXISTING VEGETATION, CONCENTRATED WATER FLOW, ROADS AND HAZARD AREAS.
- CONSTRUCT ON THE CONTOUR AS LOW, FLAT, ELONGATED MOUNDS.
- WHERE THERE IS SUFFICIENT AREA, TOPSOIL STOCKPILES SHALL BE LESS THAN 2 METRES IN HEIGHT.
- WHERE THEY ARE TO BE PLACE FOR MORE THAN 10 DAYS, STABILISE FOLLOWING THE APPROVED ESCP OR SWMP TO REDUCE THE C-FACTOR TO LESS THAN 0.10.
- CONSTRUCT EARTH BANKS ON THE UPSLOPE SIDE TO DIVERT WATER AROUND STOCKPILES AND SEDIMENT FENCES 1 TO 2 METRES DOWNSLOPE.

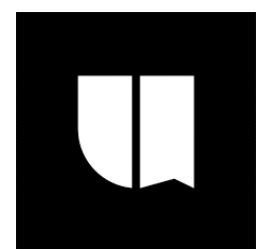
STOCKPILES

SCALE N.T.S

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PROJECT

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9-11 MAWSON AVENUE
BELLA VISTA NSW 2154

STATUS

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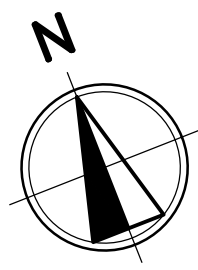
DATUM	GRID	SCALE	NTS
AHD	50A2020-SH		

TITLE

EROSION SEDIMENT AND
CONTROL DETAILS

PROJECT No.	DRAWING No.	REV
S25242	CI-0140	A

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CELEBRATION DRIVE

FLOREY AVENUE

UNAIPON AVE

MAWSON AVENUE

LEGEND

- SITE BOUNDARY
- EXISTING BOUNDARY
- ARCHITECTURAL DESIGN
- LANDSCAPE DESIGN
- SURVEY
- EXISTING SURFACE CONTOURS
- PROPOSED CONTOURS MAJOR
- PROPOSED CONTOURS MINOR
- PROPOSED STORMWATER (SIZE AND GRADE)
- EXISTING DRAINAGE PIPE
- PROPOSED GRATED INLET PIT/ PROPOSED KERB INLET PIT
- PROPOSED JUNCTION PIT
- EXISTING INLET PITS
- PROPOSED GRATED DRAIN
- PROPOSED OSD TANK
- PROPOSED VEHICLE CROSSOVER
- OVERLAND FLOW PATH

TIE INTO EXISTING PIT.
GRATE RL: 69.76
PROPOSED IL: 69.20

IL OUT: 70.00m

PROPOSED OSD TANK.
VOLUME PROVIDED 280m³
REFER TO SHEET CI-0460
FOR DETAIL

OSD TANK

FFL: 75.050

10KL RWT AND WATER
QUALITY CHAMBERS
INCOMING PIPE AND TYPE
TO BE SPECIFIED BY THE
HYDROLOGIC ENGINEER

1

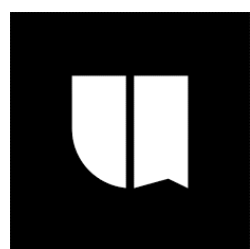
CI-0460

FFL: 75.050

0 2.5 5.0 7.5 10 12.5 15m
SCALE 1:250 AT A1 SIZE

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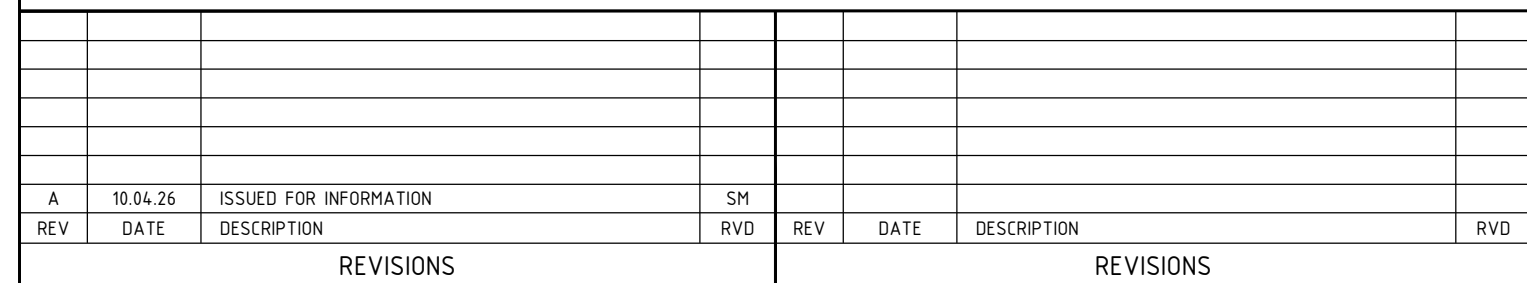
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KSL	SK	SM	SM

DATUM	GRID	SCALE	AT	A1 SIZE
AHD	50A2020-SM	1:250		

TITLE

SITEWORKS
PLAN - BASEMENT

PROJECT No.	DRAWING No.	REV.
S25242	CI-0300	A



Part of SYSTRA

MAWSON AVE
9-11 MAWSON AVENUE
BELLA VISTA NSW 2154

TITLE
SITWORKS
PLAN - GROUND FLOOR

PROJECT No.	DRAWING No.	REV.
S25242	CI-0301	A

UNAIPON AVE

CELEBRATION DRIVE

FLOREY AVENUE

MAWSON AVENUE

LEGEND

- SITE BOUNDARY
- EXISTING BOUNDARY
- ARCHITECTURAL DESIGN
- LANDSCAPE DESIGN
- SURVEY
- ROOF

= 2,599.42m²
- LANDSCAPING PERVIOUS

= 62.46m²
- LANDSCAPING IMPERVIOUS

= 3,336.75m²
- BYPASS

= 513.41m²
- CARPARK

= 367.51m²
- TOTAL = 6,879.55m²

WATER QUALITY FOR DEVELOPMENT

- TREATMENT DEVICES:
- WATER QUALITY CHAMBER WITH 10 x 690 PSORB (MCC)
 - STORMFILTER CARTRIDGES AND 1 OCEAN GUARD PIT INSERT

TREATMENT STANDARDS

POLLUTANT	PRE	POST	REDUCTION (%)	COUNCIL REQUIREMENT (%)
GROSS POLLUTANTS	190	0	100%	90
TOTAL SUSPENDED SOLIDS	1010	132	86.9%	85
TOTAL PHOSPHORUS	2.32	0.442	81%	65
TOTAL NITROGEN	214	7.73	63.8%	45

STORMWATER DRAINAGE REQUIREMENTS HAVE BEEN CALCULATED IN ACCORDNACE WITH THE HILLS SHIRE COUNCIL DEVELOPMENT CONTROL PLAN

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A	10.04.26	ISSUED FOR INFORMATION		SM							
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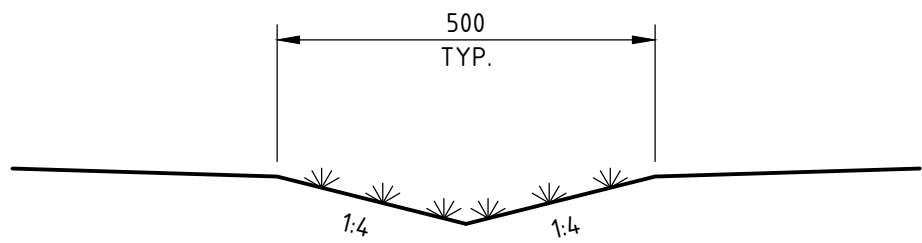
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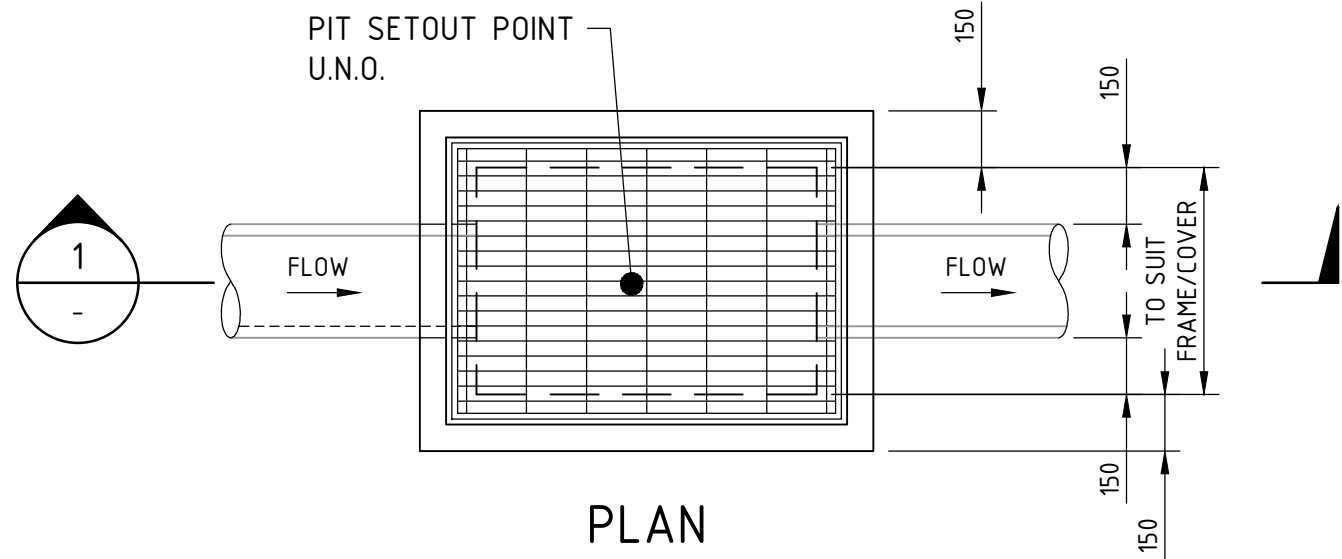
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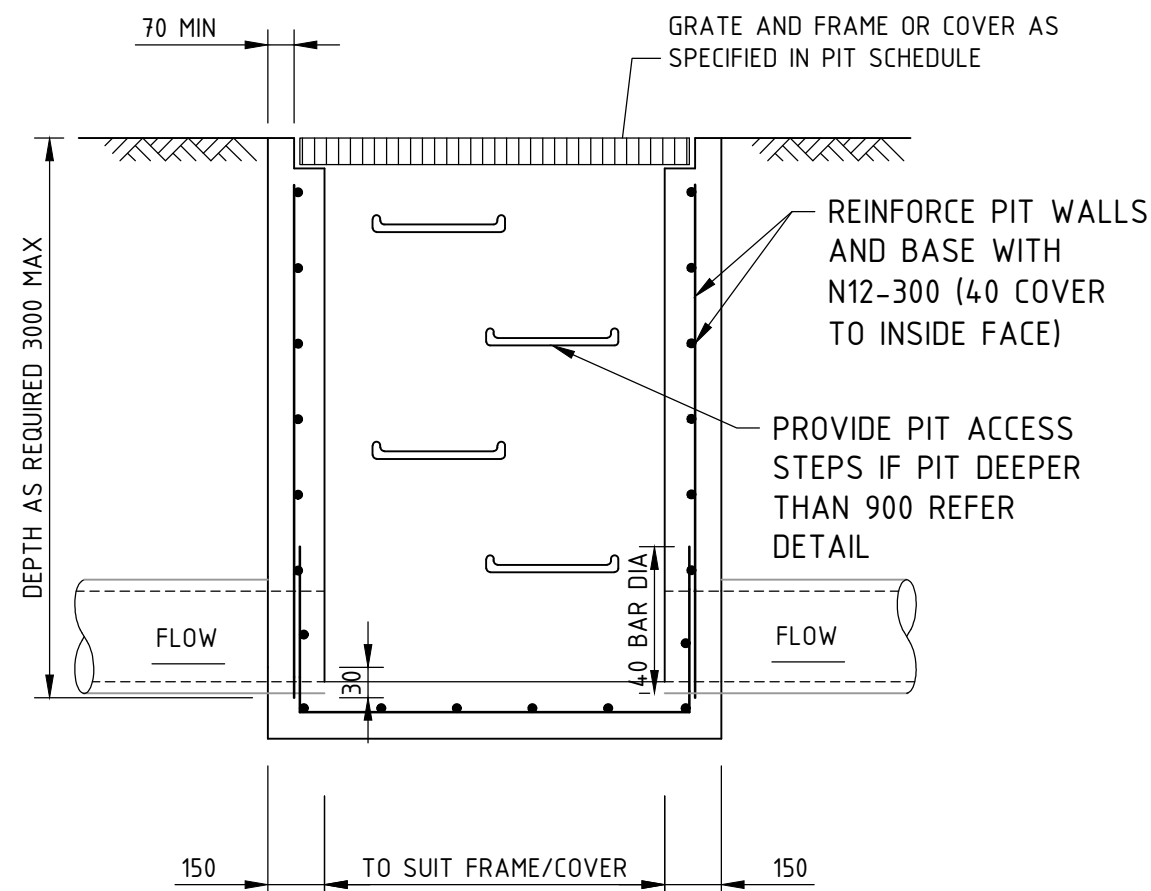
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DRAINAGE CATCHMENT PLAN		
PROJECT No.	DRAWING No.	REV
S25242	CI-0350	A



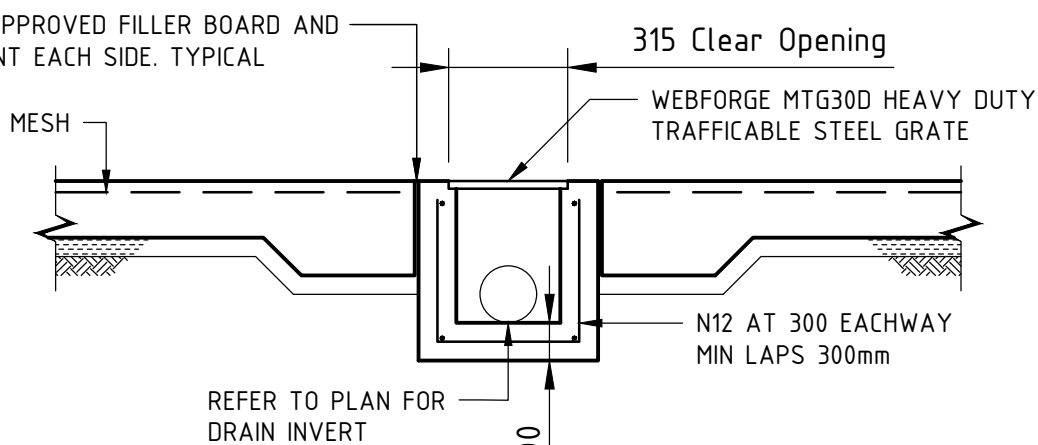
GRASS SWALE
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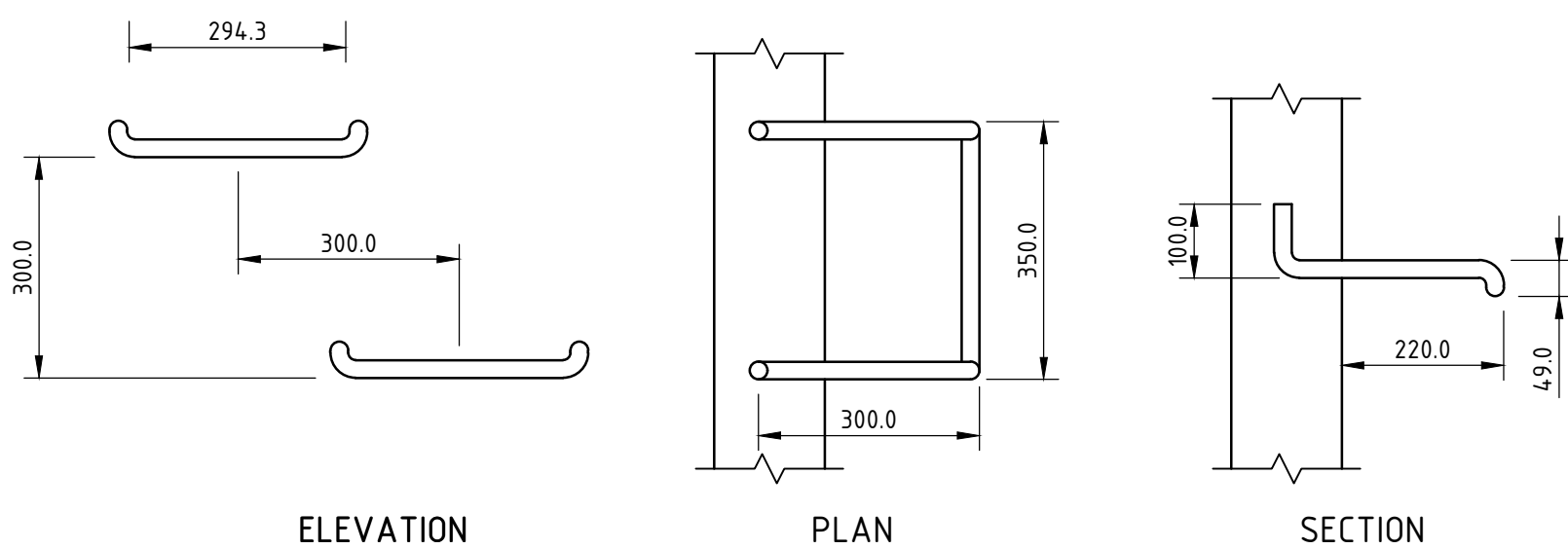
PLAN



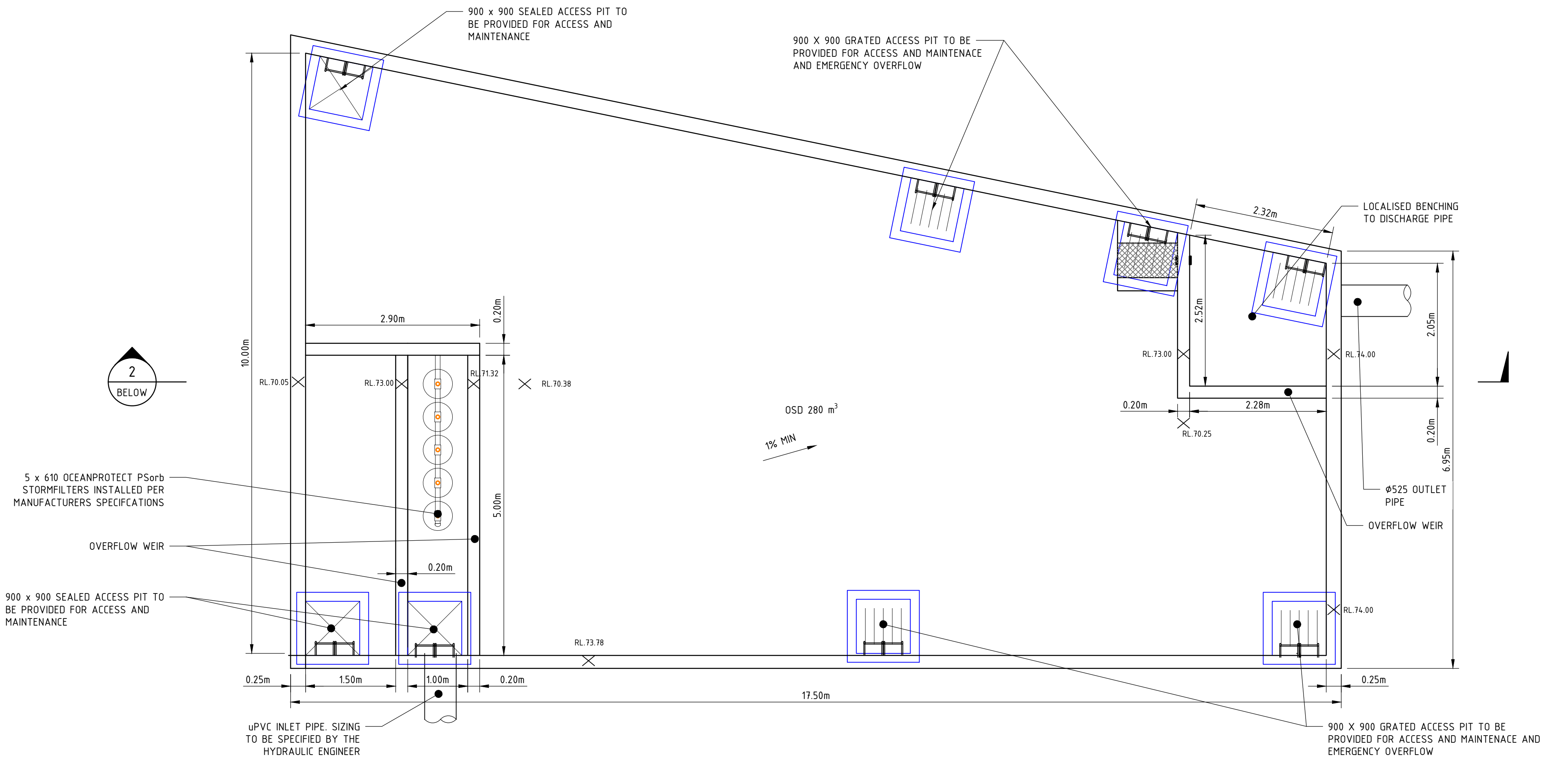
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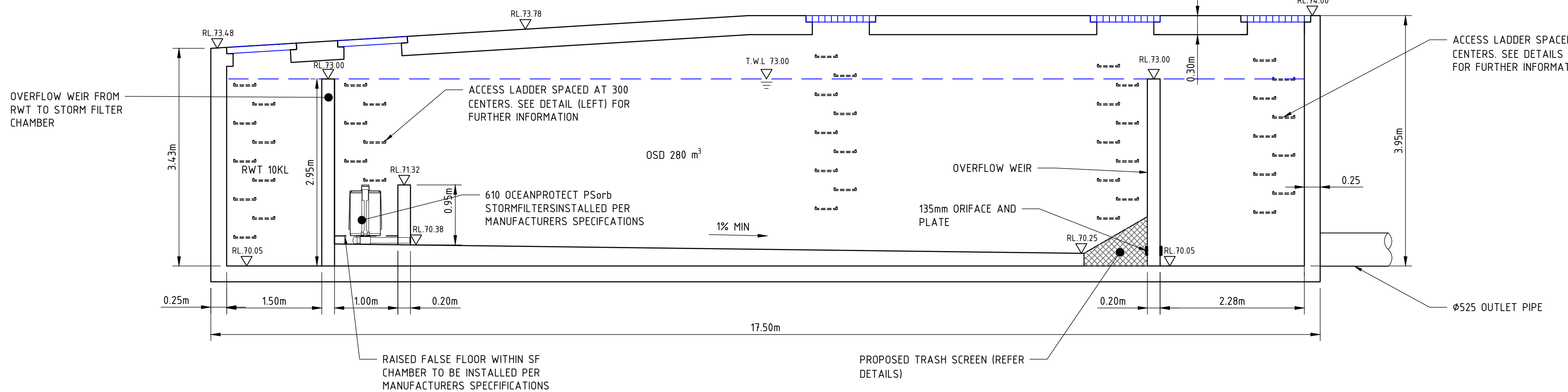
GRADED TRENCH DETAIL
SCALE : N.T.S



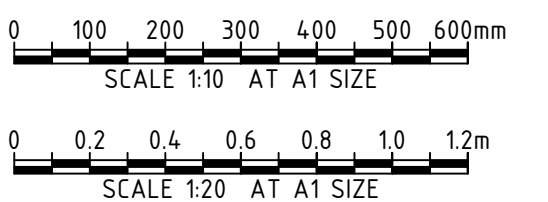
TYPICAL STEP IRON DETAILS
SCALE 1:10



OSD TANK AND QUALITY TREATMENT CHAMBER DETAIL
SCALE 1:50



SECTION 2
SCALE 1:50



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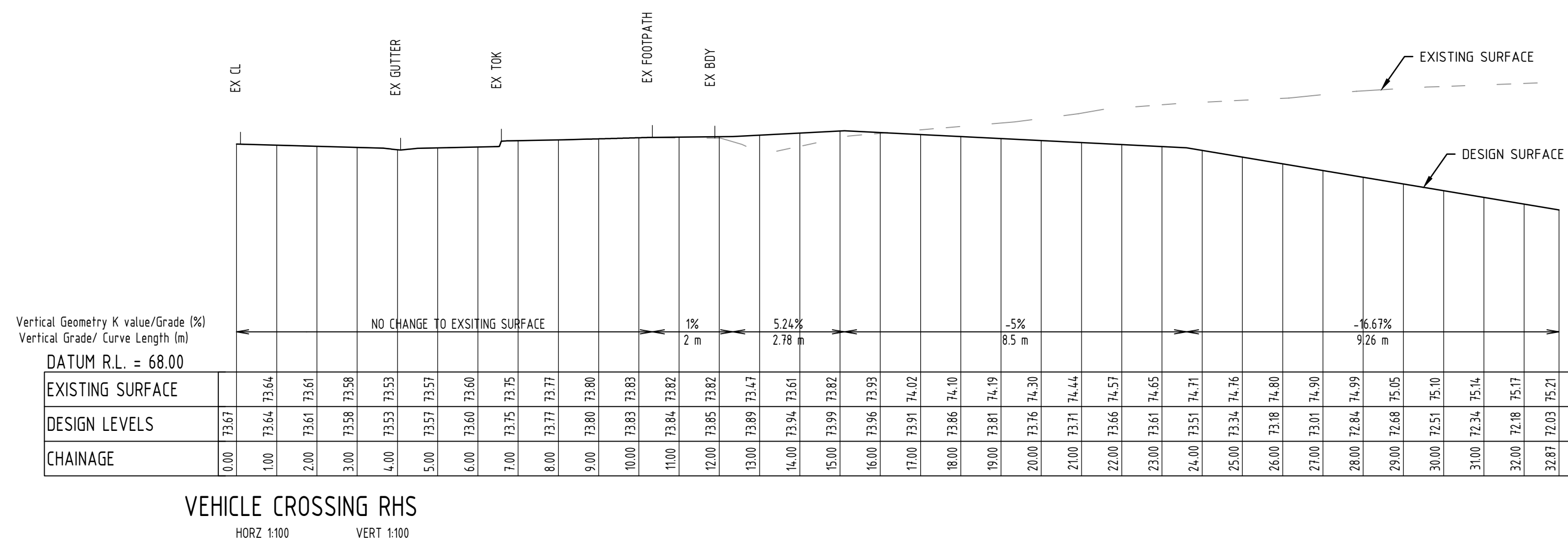
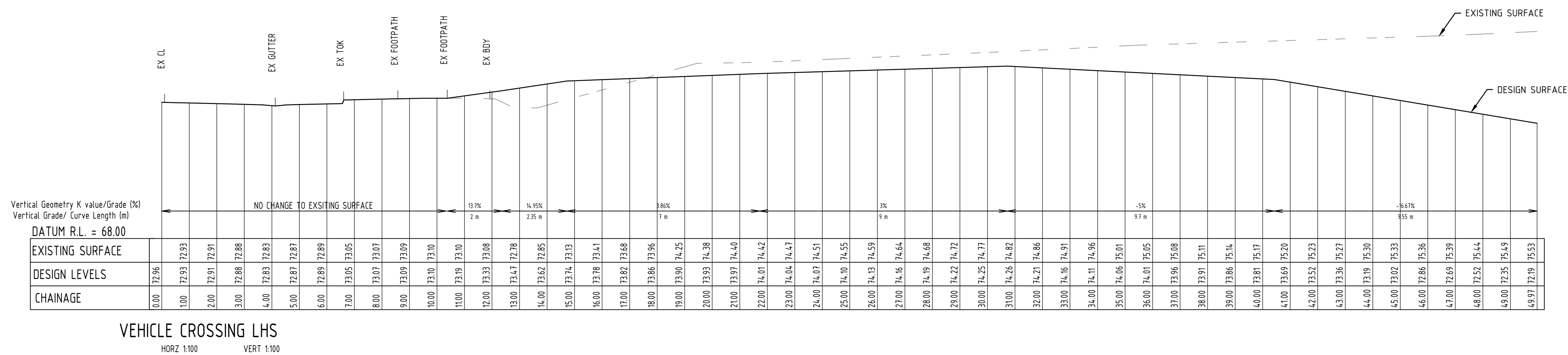
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TITLE DRAINAGE DETAILS			
PROJECT No. S25242	DRAWING No. CI-0460	REV. A	



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DRIVEWAY SECTIONS

PROJECT No. S25242	DRAWING No. CI-0530	REV. A
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