

Parks  
Canada

Parcs  
Canada

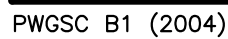
RECAPITALIZATION OF  
POINT WOLFE  
STORMWATER SYSTEM  
AND BANK STABILIZATION  
FUNDY NATIONAL PARK,NB

PROJECT NO. 1314

**Sheet List Table**

Sheet Number	Sheet Title
COVER	COVER
C1	EXISTING CONDITIONS
C2	PROPOSED UPGRADES
C3	PLAN AND PROFILES
C4	MH 22 OUTFALL PLAN AND PROFILE
C5	MH 22 OUTFALL SECTIONS
C6	DETAILS
C7	DETAILS
C8	DETAILS – STILLING WELL COVER
C9	DETAILS – STILLING WELL COVER

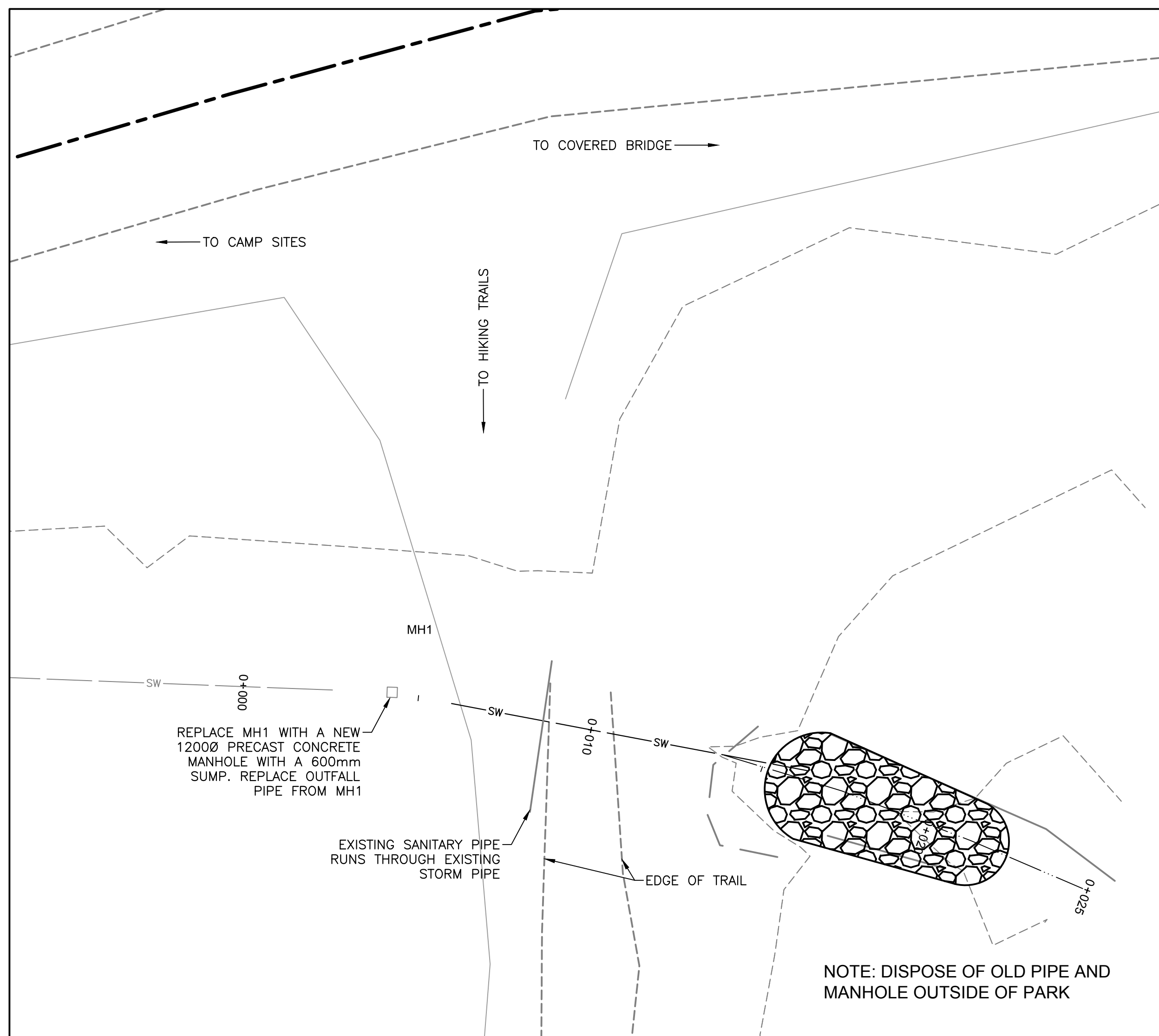
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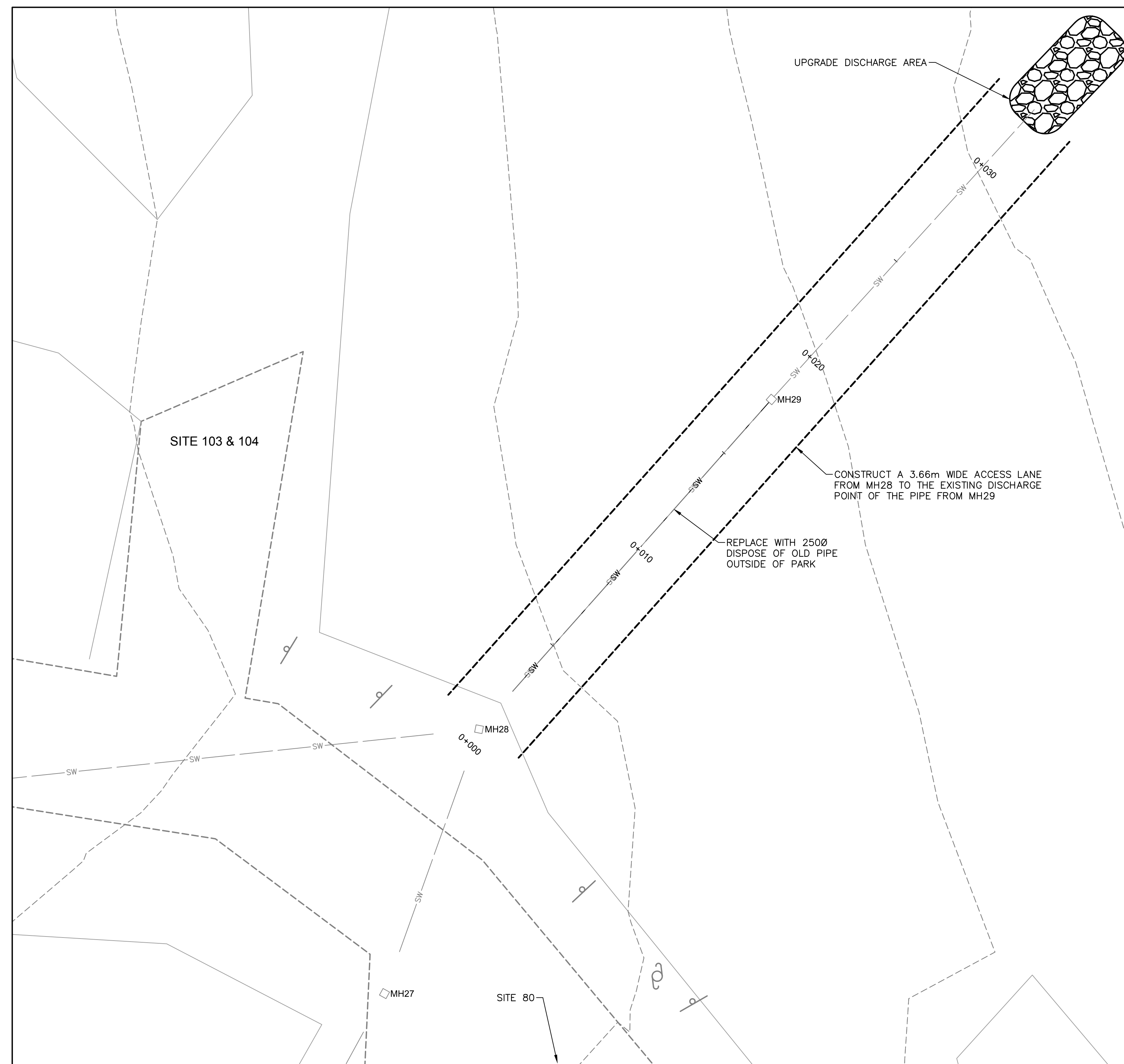






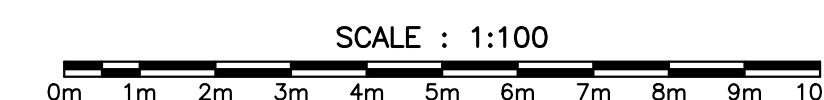
Profile view of storm sewer inverts. The vertical axis shows elevation in feet (39 to 45). The horizontal axis shows stationing from 0+000 to 0+025. The profile includes an existing 7500 CONC pipe (MH1) and an existing sanitary pipe running through an existing storm pipe. A proposed 12in - 7500 CONC pipe at 2.0% slope is shown. The profile also indicates the placement of R25 riprap on the slope from the end of the new 7500 ST to the top of the bank, the construction of an R25 riprap lined discharge area to end 5m from the end of the new pipe and to the top of the adjacent bank on both sides, the thickness of the riprap to be 500mm, the placement of Type 2 geotextile under the riprap, and the installation of an outlet grate.

STATION	EXISTING GRADE	PROPOSED GRADE
0+000	43.59	43.524
	42.45	
	42.00	41.10
0+010	43.72	43.721
		40.86
0+020	39.87	39.871
0+025	39.14	39.135

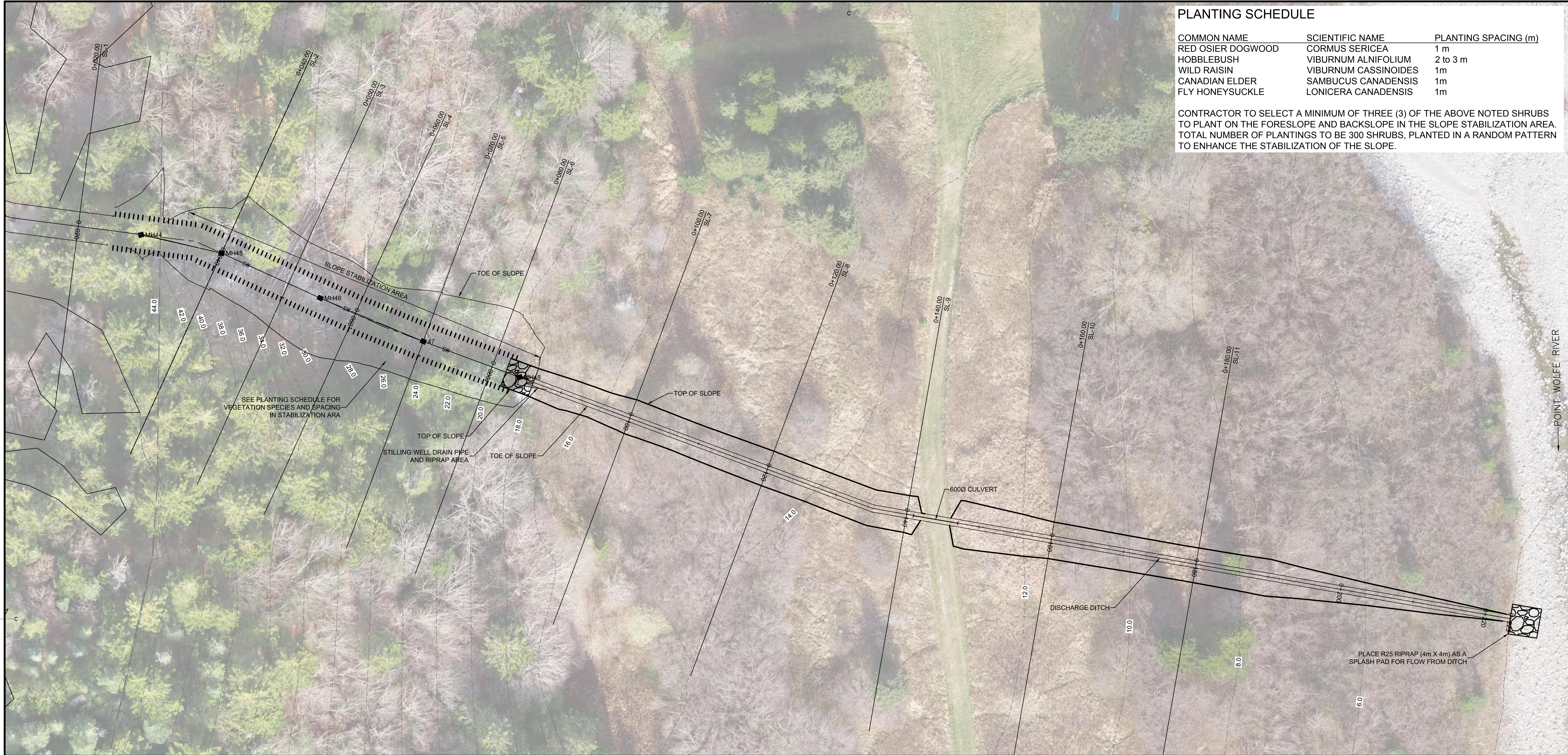


Profile view of storm sewer inverts from station 0+000 to 0+040. The graph shows existing and proposed grades, manholes MH28 and MH29, and a discharge area. Annotations include '200Ø TO BE REPLACED', '16.8m 250Ø @ 8.5%', and 'UPGRADE DISCHARGE AREA TO BE A RS RIPRAP LINED PIT. 1m WIDE BY 2m LONG. THICKNESS OF RIPRAP TO BE 300mm'.

STATION	EXISTING GRADE	PROPOSED GRADE
0+000	56.83	60.71
0+010		59.42
		59.416
0+020	57.40	58.07
	57.09	58.071
0+030		55.94
		55.938
0+040	55.17	









PLANTING SCHEDULE		
COMMON NAME	SCIENTIFIC NAME	PLANTING SPACING (m)
RED OSIER DOGWOOD	CORMUS SERICEA	1 m
HOBBLEBUSH	VIBURNUM ALNIFOLIUM	2 to 3 m
WILD RAISIN	VIBURNUM CASSINOIDES	1m
CANADIAN ELDER	SAMBUCUS CANADENSIS	1m
FLY HONEYSUCKLE	LONICERA CANADENSIS	1m


CONTRACTOR TO SELECT A MINIMUM OF THREE (3) OF THE ABOVE NOTED SHRUBS TO PLANT ON THE FORESLOPE AND BACKSLOPE IN THE SLOPE STABILIZATION AREA. TOTAL NUMBER OF PLANTINGS TO BE 300 SHRUBS, PLANTED IN A RANDOM PATTERN TO ENHANCE THE STABILIZATION OF THE SLOPE.




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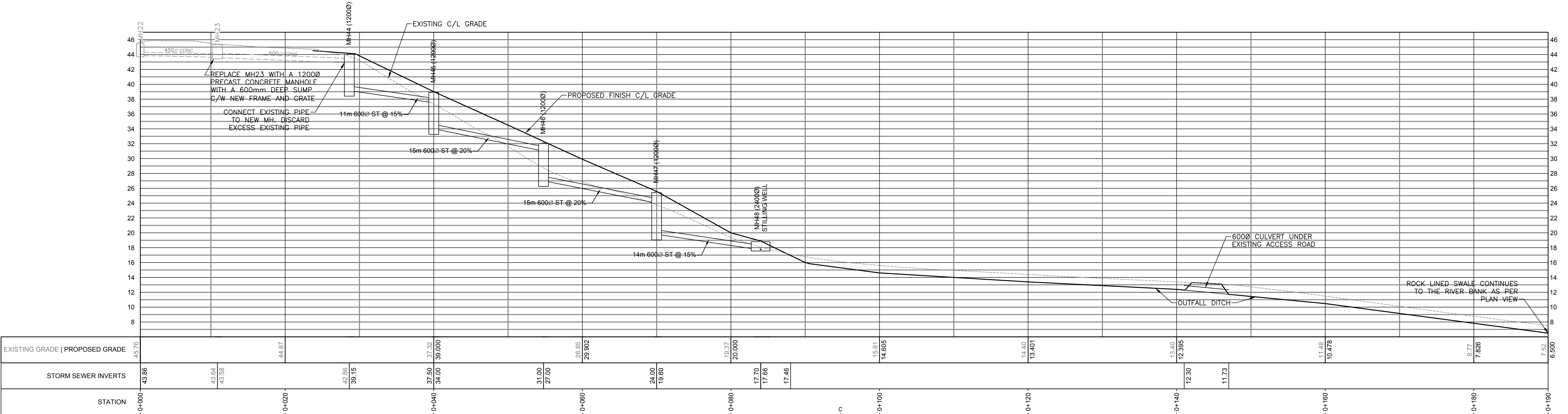


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CONSULTING ENGINEERS  
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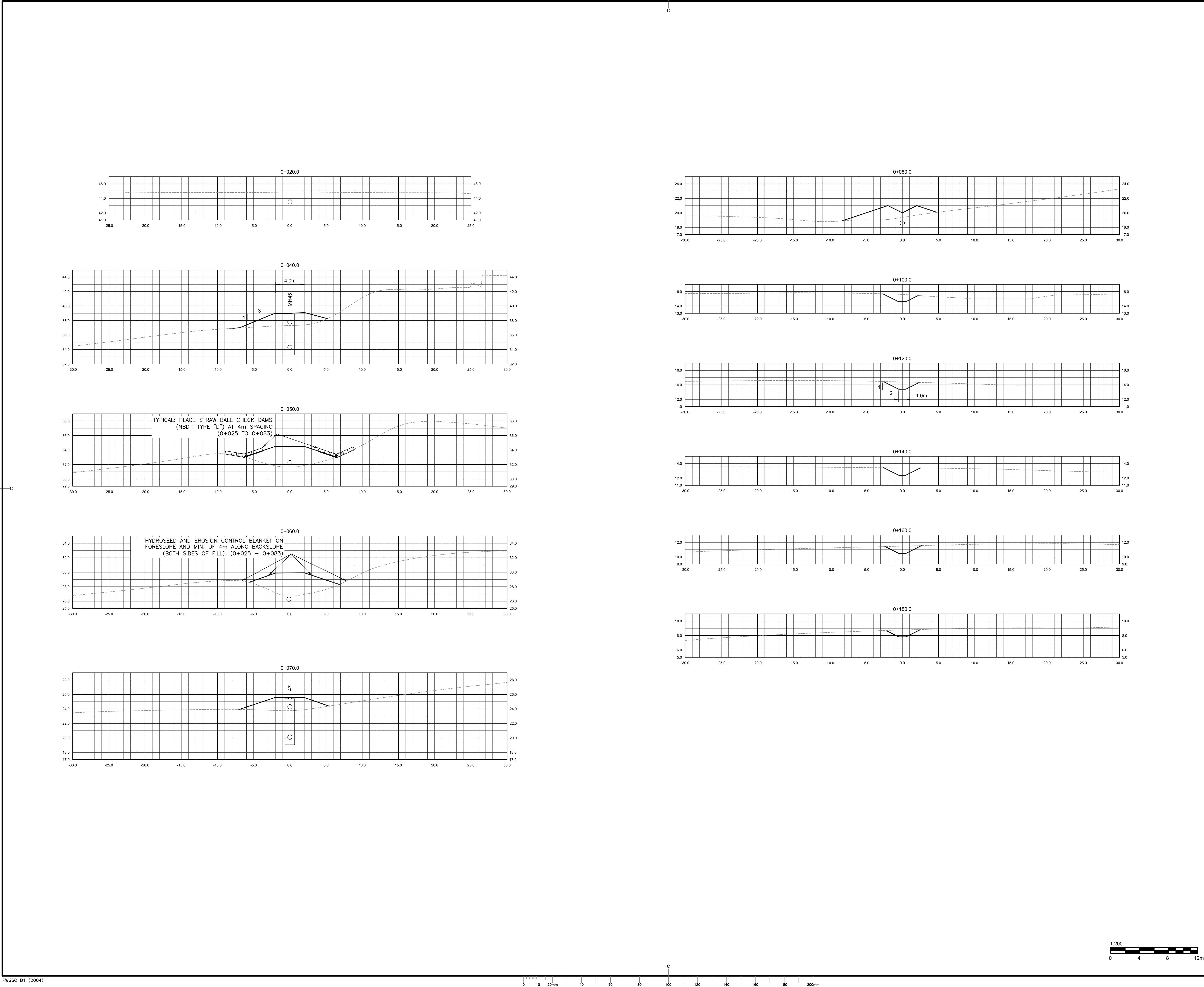
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    - \*\* COORDINATES BASED ON EXISTING CONSTRUCTION MONUMENT AT POINT WOLFE COVERED BRIDGE
    - \*\* EASTING: 342820.530
    - \*\* NORTHING: 5046588.402
    - \*\* ELEVATION: 14.344
  - REMOVE FALLEN TREES FROM SLOPE STABILIZATION WORK AREA


## MH 22 TO RIVER PROFILE




0	ISSUED FOR TENDER	MAR 30 2017
revisions		date
project	RECAPITALIZATION OF POINT WOLFE STORMWATER SYSTEM AND BANK STABILIZATION FUNDY NATIONAL PARK, NB	projet
drawing		dessin
designed	GRG	conçu
date	MAR, 2017	
drawn	MN	dessiné
date	MAR, 2017	
approved	GRG	approuvé
date	MAR, 2017	
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drawing no.	C4	no. du dessin









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NOTES:

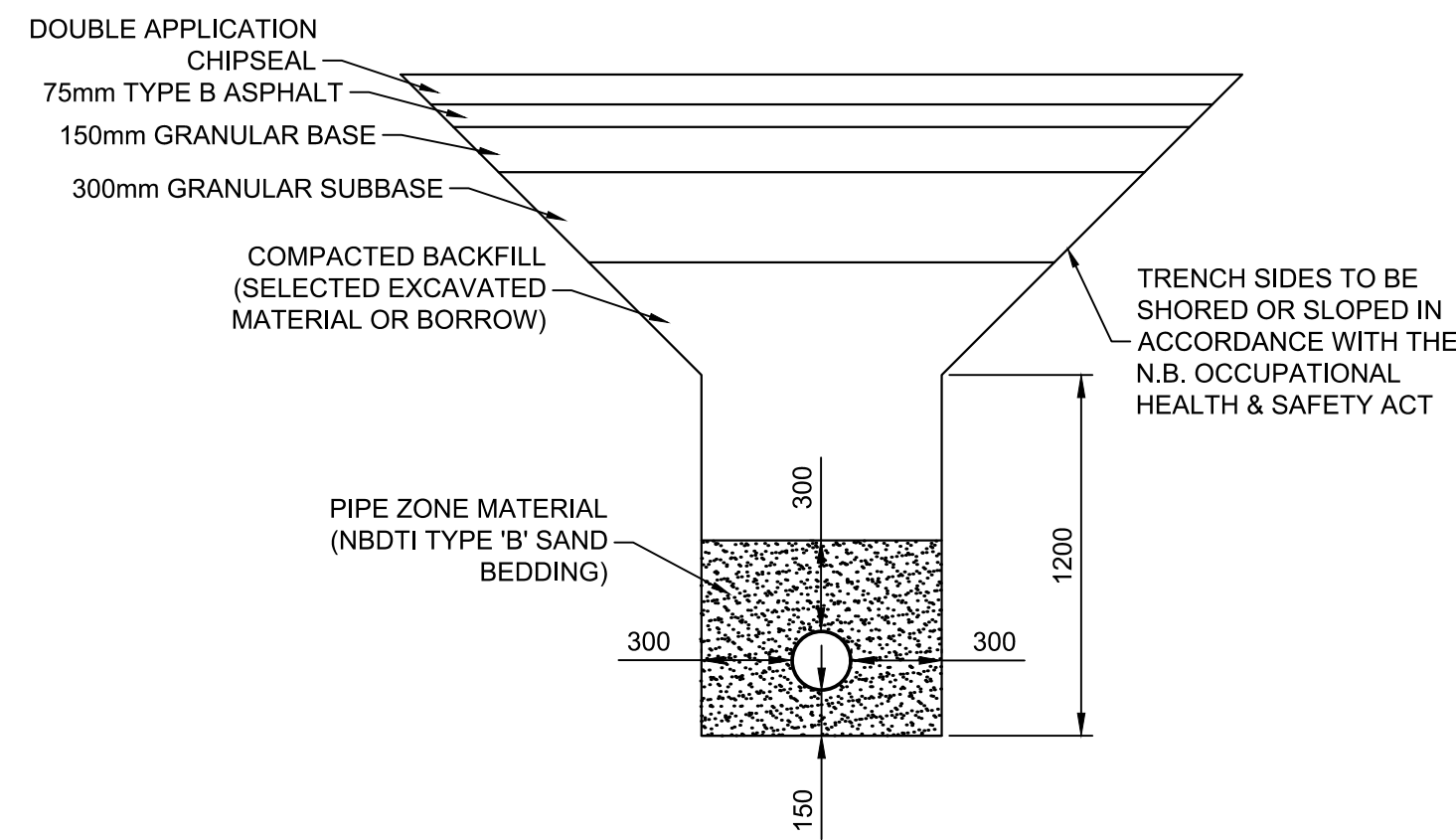
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0	ISSUED FOR TENDER	MAR 30 2017
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project	project	

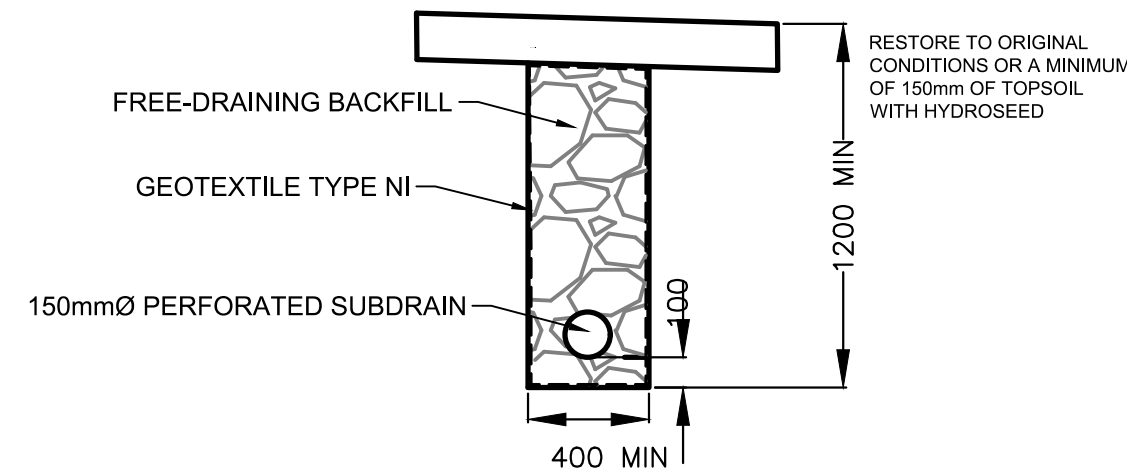
**RECAPITALIZATION OF  
POINT WOLFE  
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FUNDY NATIONAL PARK, NB**

drawing	desain
<b>MH 22 OUTFALL SECTIONS</b>	
designed GRG	conçu
date MAR, 2017	
drawn MN	dessiné
date MAR, 2017	
approved GRG	approuvé
date FEB, 2017	
Tender ANNIE CAMPEAU PCA Project Manager	Soumission Administrateur de projets APC
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drawing no.	no. du dessin
<b>C5</b>	

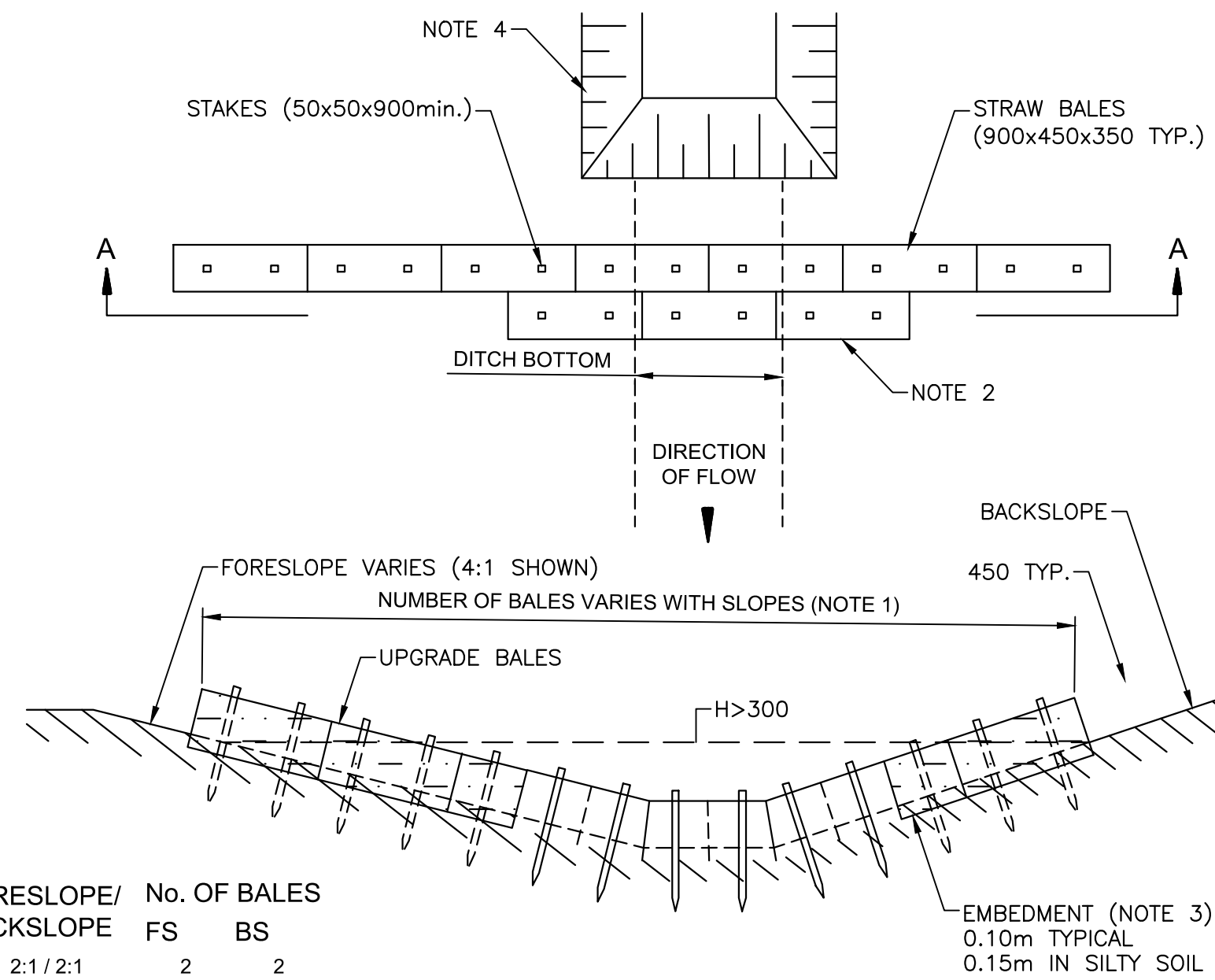
E-DRM/GDD-E: 408825



**RESTORATION OF TRENCH (PAVED AREA)**  
N.T.S.



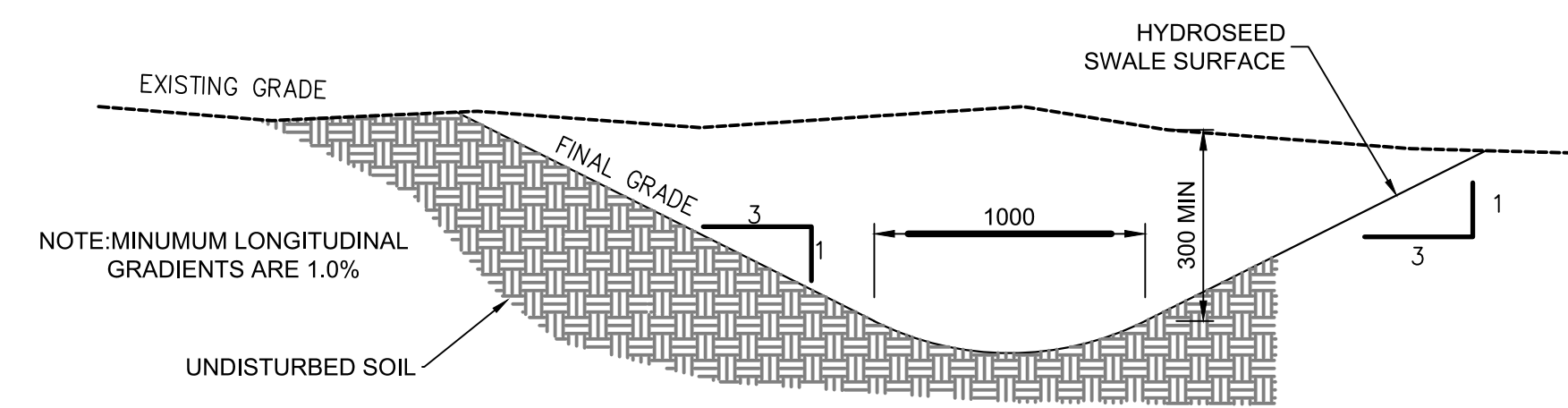
**TYPICAL SUBDRAIN INSTALLATION**  
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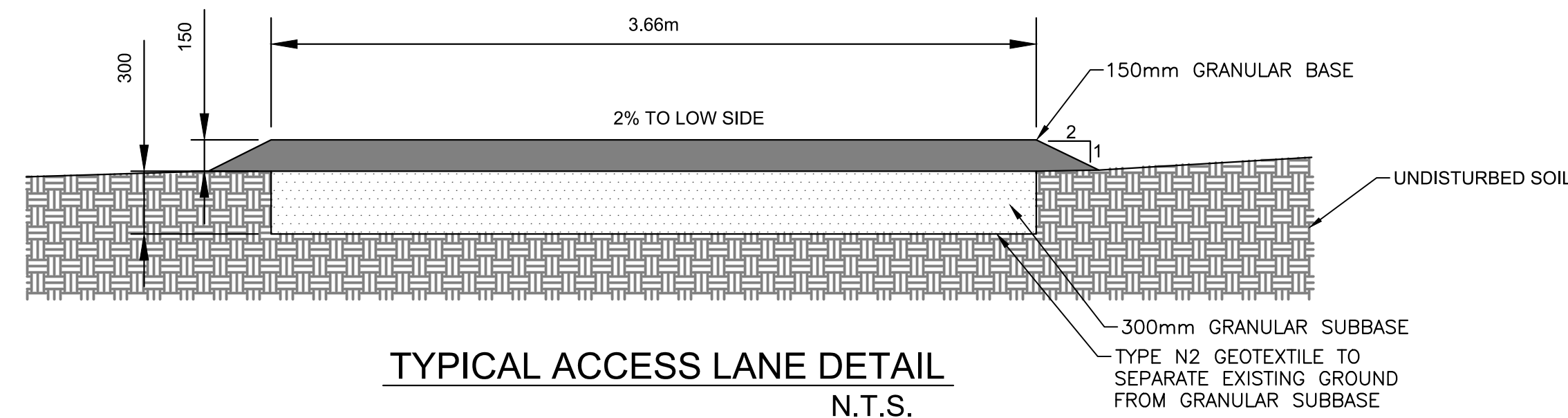
FORESLOPE/BACKSLOPE	No. OF BALES	FS	BS
2:1 / 2:1	2	2	2
3:1 / 2:1	3	2	2
3:1 / 3:1	3	3	3
4:1 / 3:1	4	3	3
6:1 / 3:1	5	3	3
WIDE SWALES	AS REQUIRED		

- NOTES:
- SEE TABLE FOR TYPICAL NUMBER OF UPSTREAM BALES WHICH ARE REQUIRED TO ENSURE MIN. 300mm FOR HEIGHT 'H' (FROM TOP OF BALES AT DITCH CENTER TO POINT WHERE HIGHEST BALES INTERCEPT SLOPES.)
  - INSTALL MINIMUM OF 3 BALES DOWNGRADE AS REINFORCEMENT. JOINTS OF DOWNGRADE BALES SHOULD BE STAGGERED FROM UPSTREAM BALES.
  - IF TRENCH FOR BALE EMBEDMENT IS EXCAVATED WIDER THAN BALES, BACKFILL WITH EXCAVATED MATERIAL.
  - THE SEDIMENT PIT OF STANDARD DWGS 605-50AND 605-6 IS REQUIRED FOR TYPE 'D' STRUCTURE.

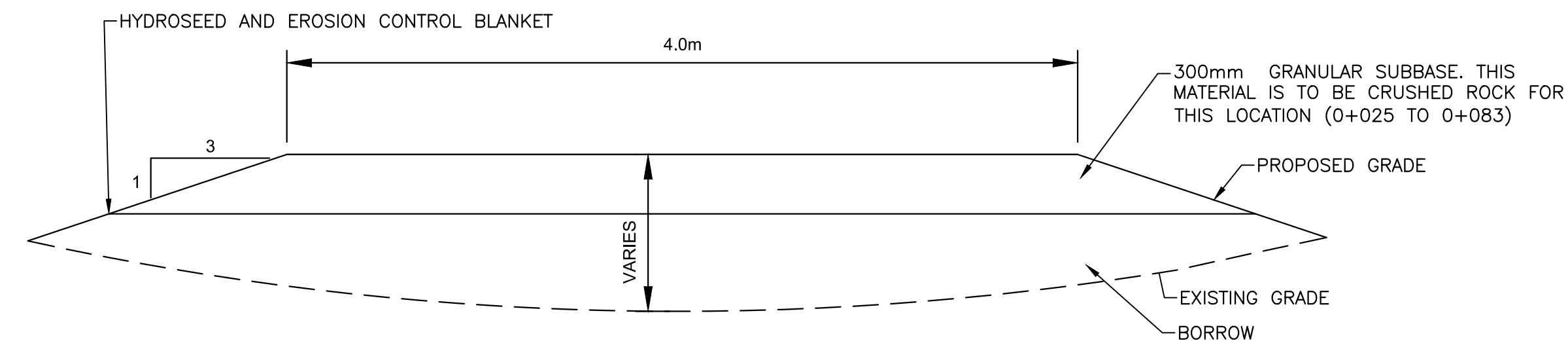
**NBDTI TYPE 'D' EROSION CONTROL STRUCTURE**  
N.T.S.



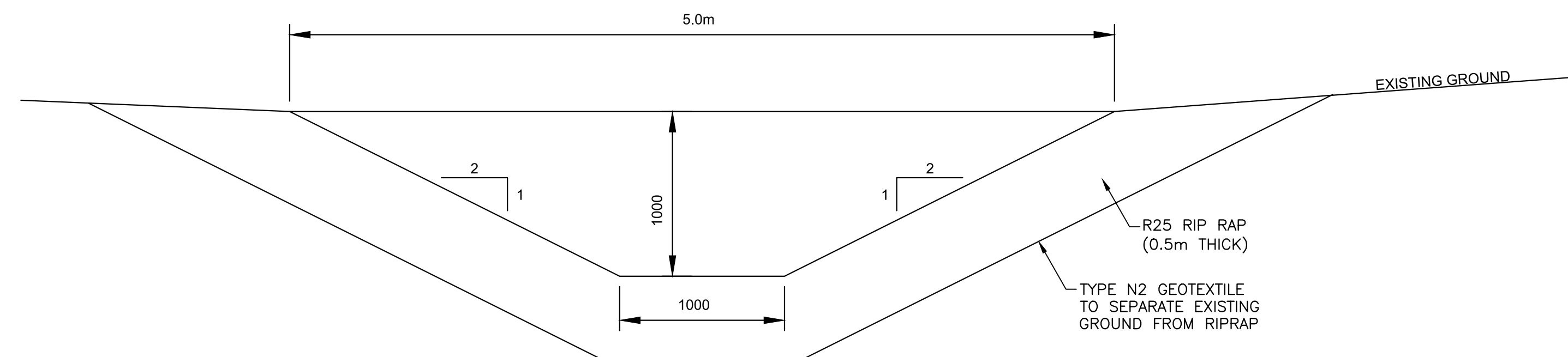
**TYPICAL SWALE SECTION**  
N.T.S.



**TYPICAL ACCESS LANE DETAIL**  
N.T.S.



**TYPICAL SECTION FOR STABILIZATION OF ERODED SLOPE**  
(0+025 TO 0+083)  
N.T.S.



**OUTFALL DITCH DETAIL (0+090 - 0+220)**  
N.T.S.

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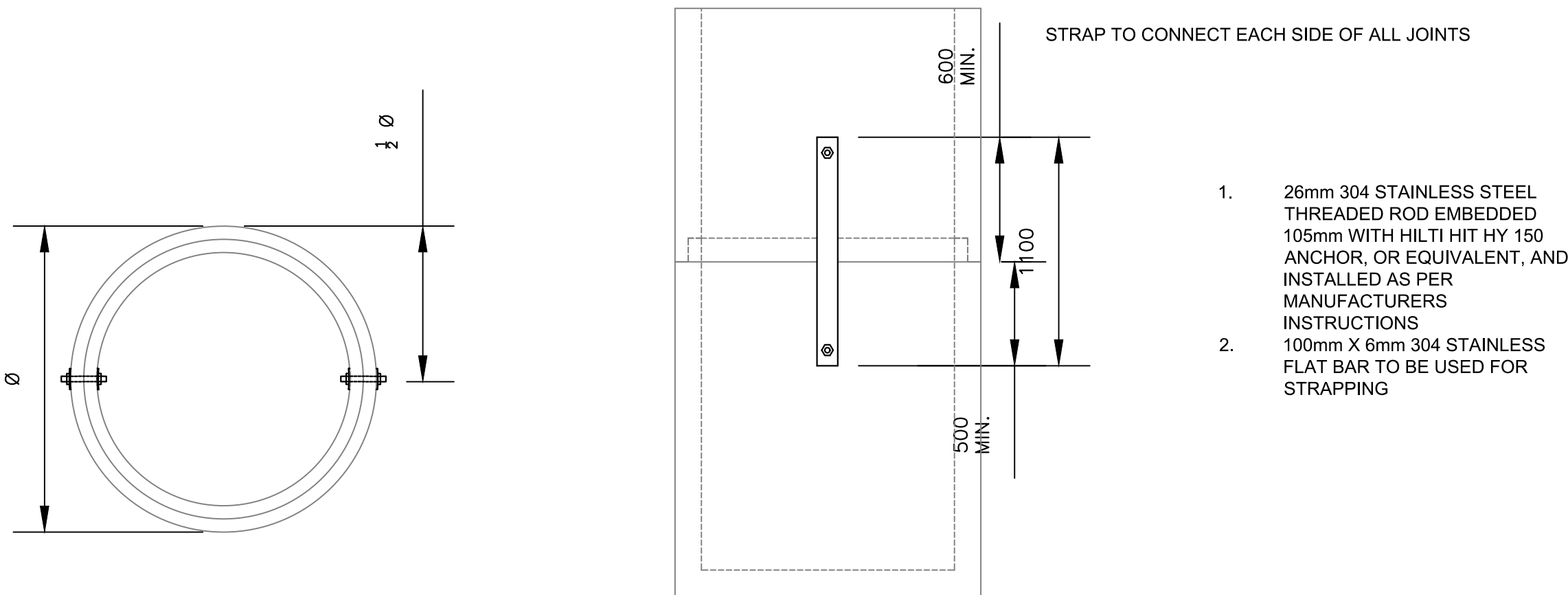
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<b>RECAPITALIZATION OF POINT WOLFE STORMWATER SYSTEM AND BANK STABILIZATION FUNDY NATIONAL PARK,NB</b>	
drawing	dessin

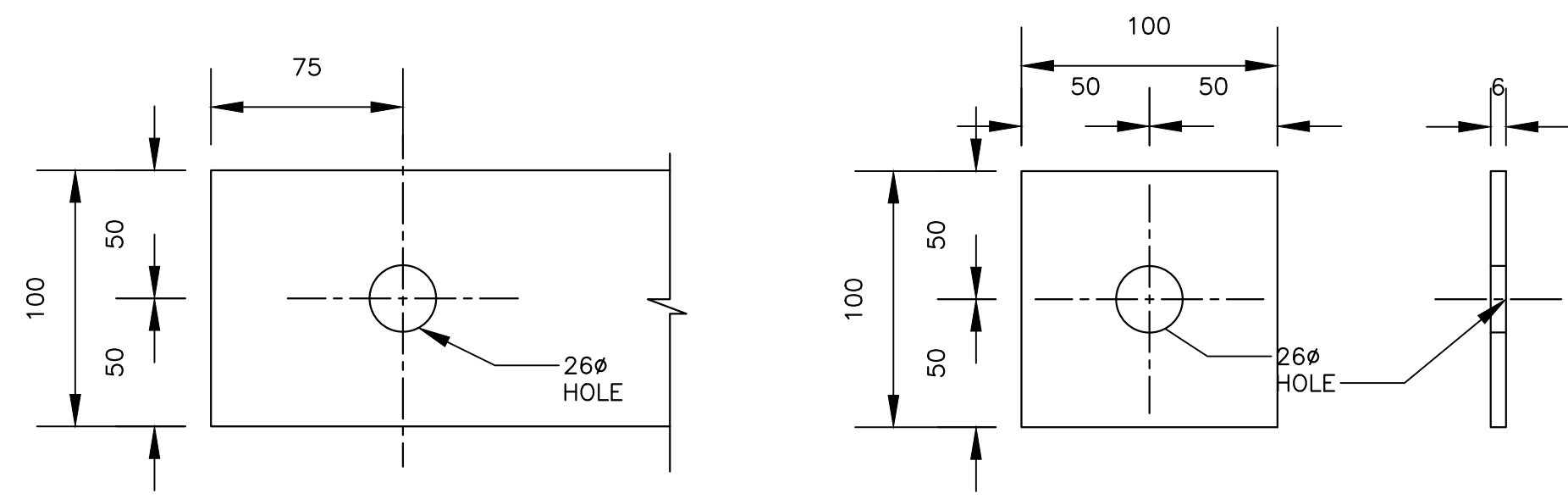
## DETAILS

designed GRG	conçu
date MAR, 2017	
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date MAR, 2017	
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Tender ANNIE CAMPEAU	Soumission
PCA Project Manager	Administrateur de projets APC
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drawing no.	no. du dessin
C6	



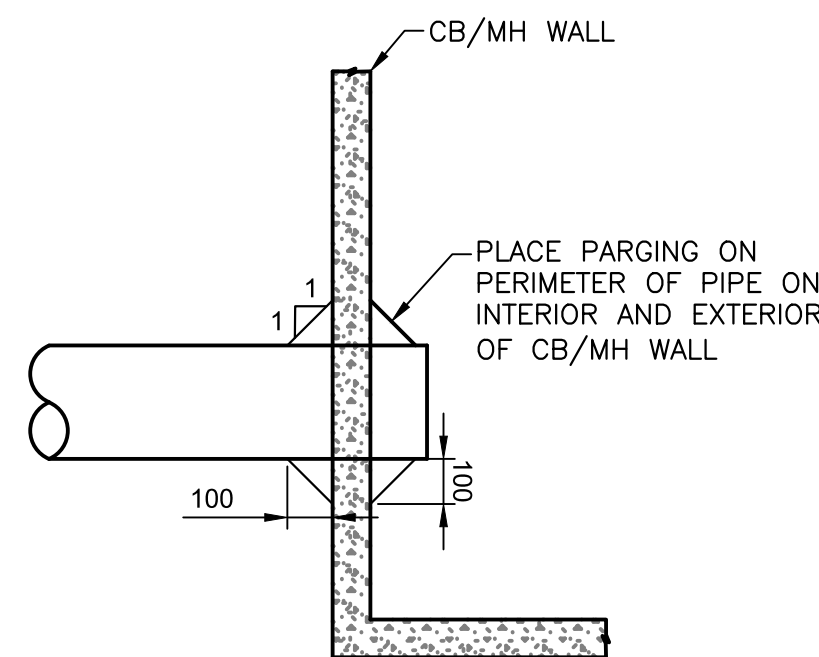


END VIEW  
SIDE VIEW

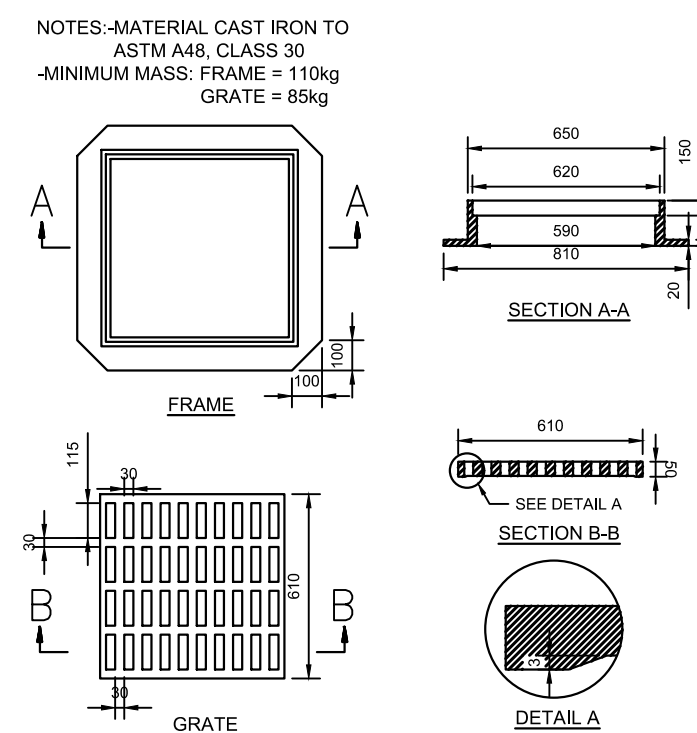


TENSION BAR  
NOT TO SCALE  
WASHER  
NOT TO SCALE

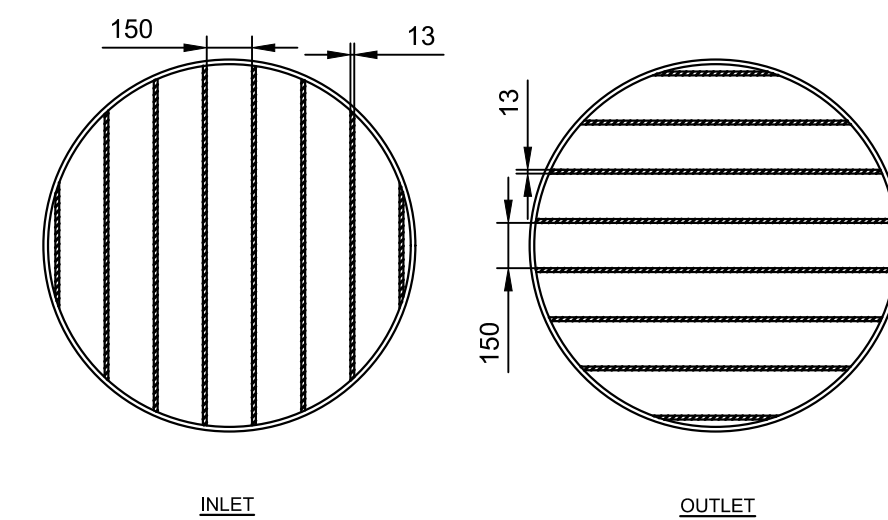
MANHOLE RESTRAINING STRAPS  
N.T.S.



PARGING DETAIL  
N.T.S.

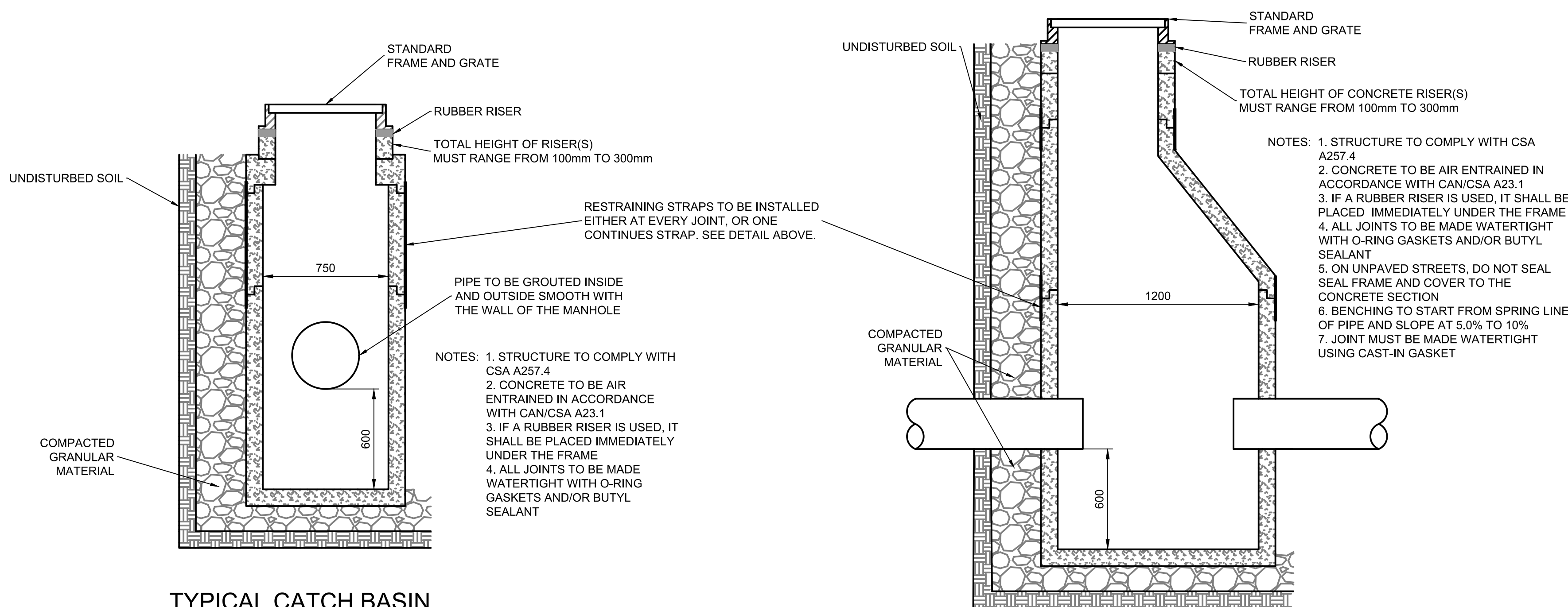


SQUARE FRAME AND GRATE  
N.T.S.



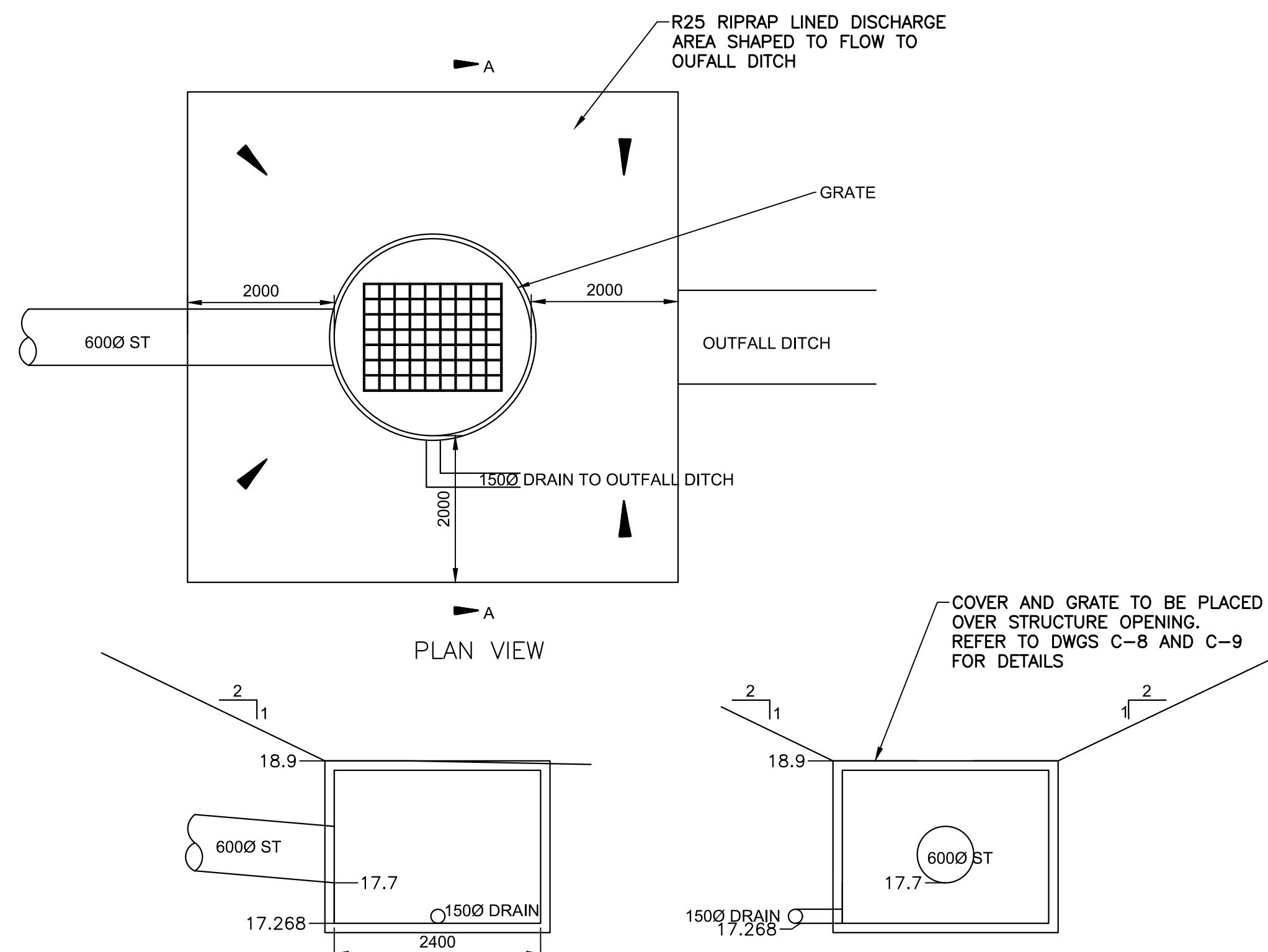
STORM INLET / OUTLET GRATE  
N.T.S.

NOTE: GRATE TO BE SECURELY CONNECTED TO PIPE



TYPICAL CATCH BASIN  
N.T.S.

TYPICAL STORM MANHOLE  
N.T.S.



STILLING WELL DETAIL  
N.T.S.

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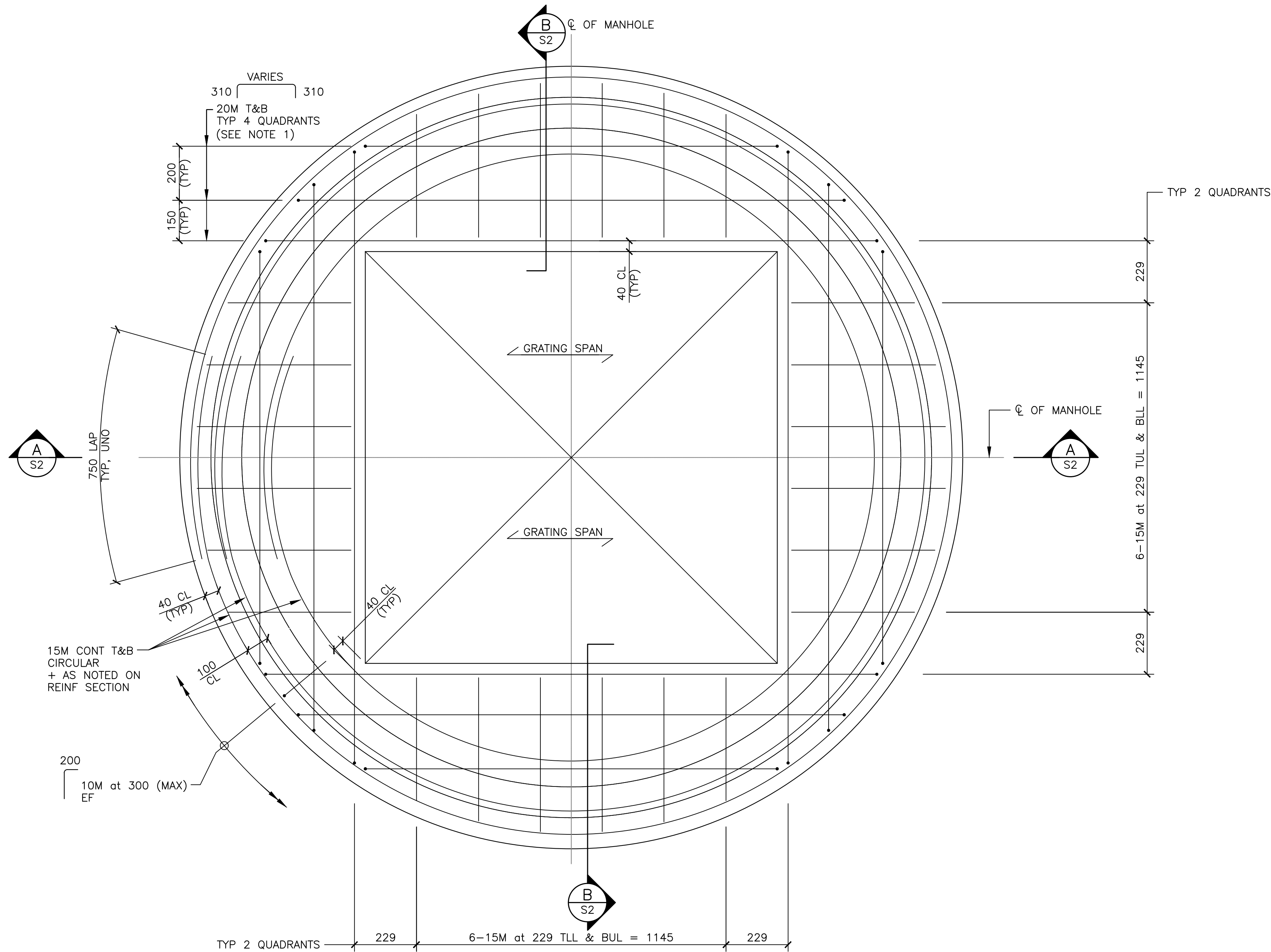
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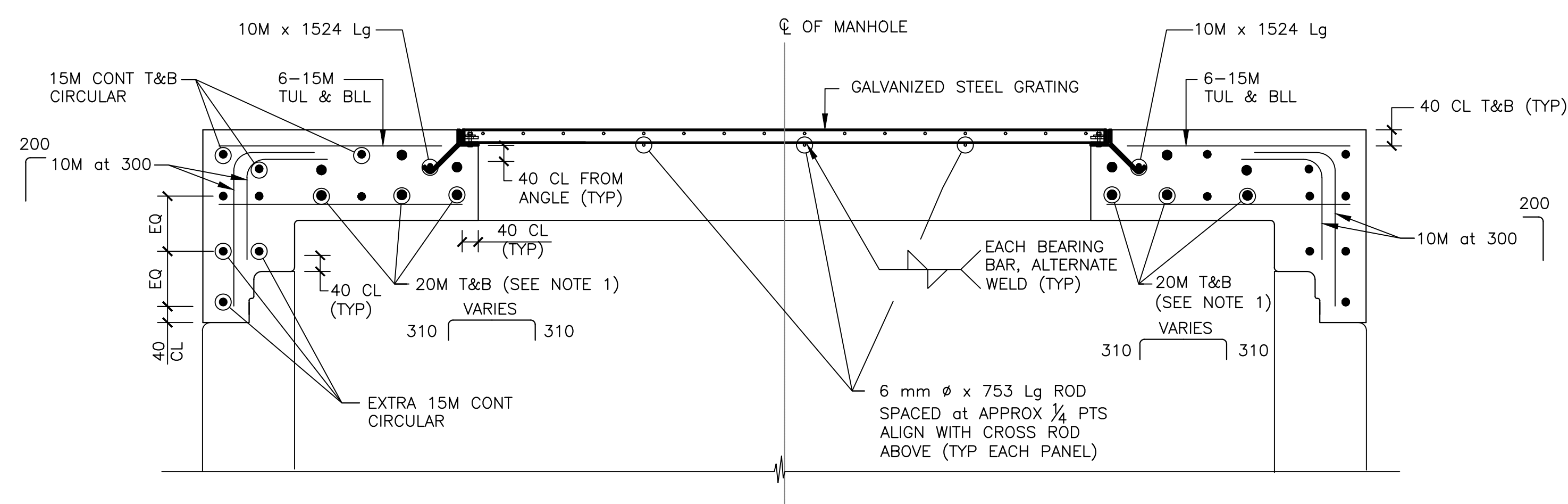
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C7	

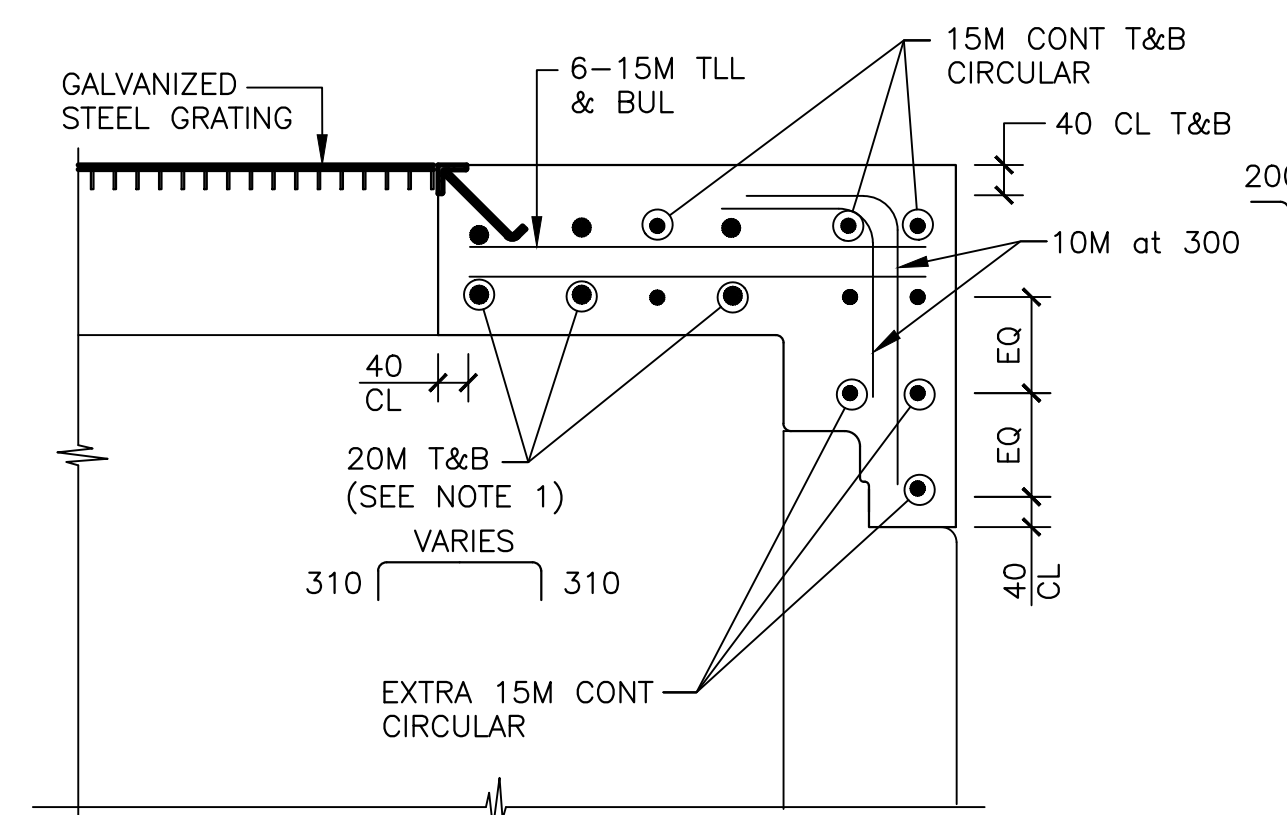




PLAN OF COVER — REINFORCING  
1:10



SECTION THROUGH COVER — REINFORCING (A)  
1:10



SECTION THROUGH COVER — REINFORCING (B)  
1:10

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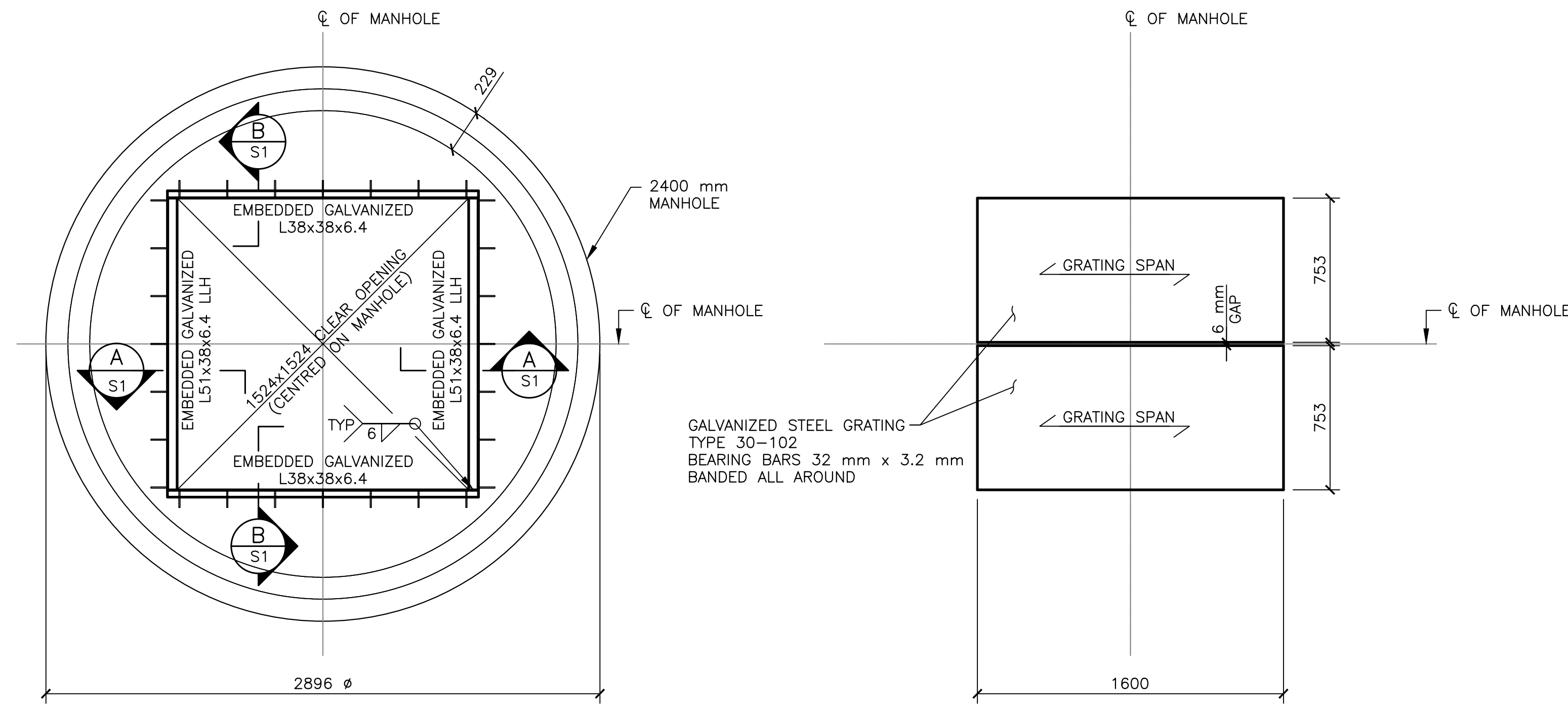
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drawing  
**DETAILS  
STILLING WELL COVER**

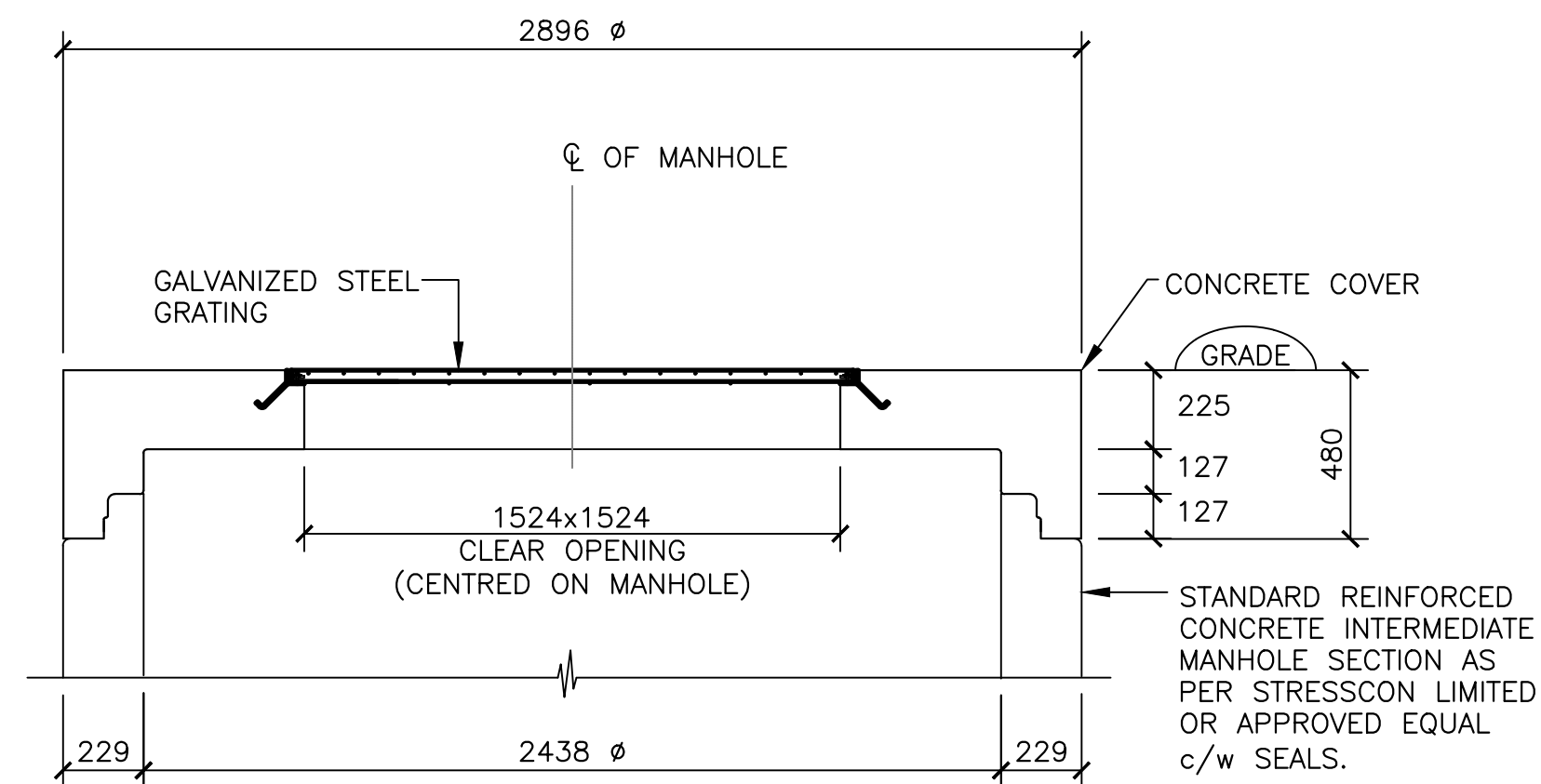
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drawing no.	C8	no. du dessin



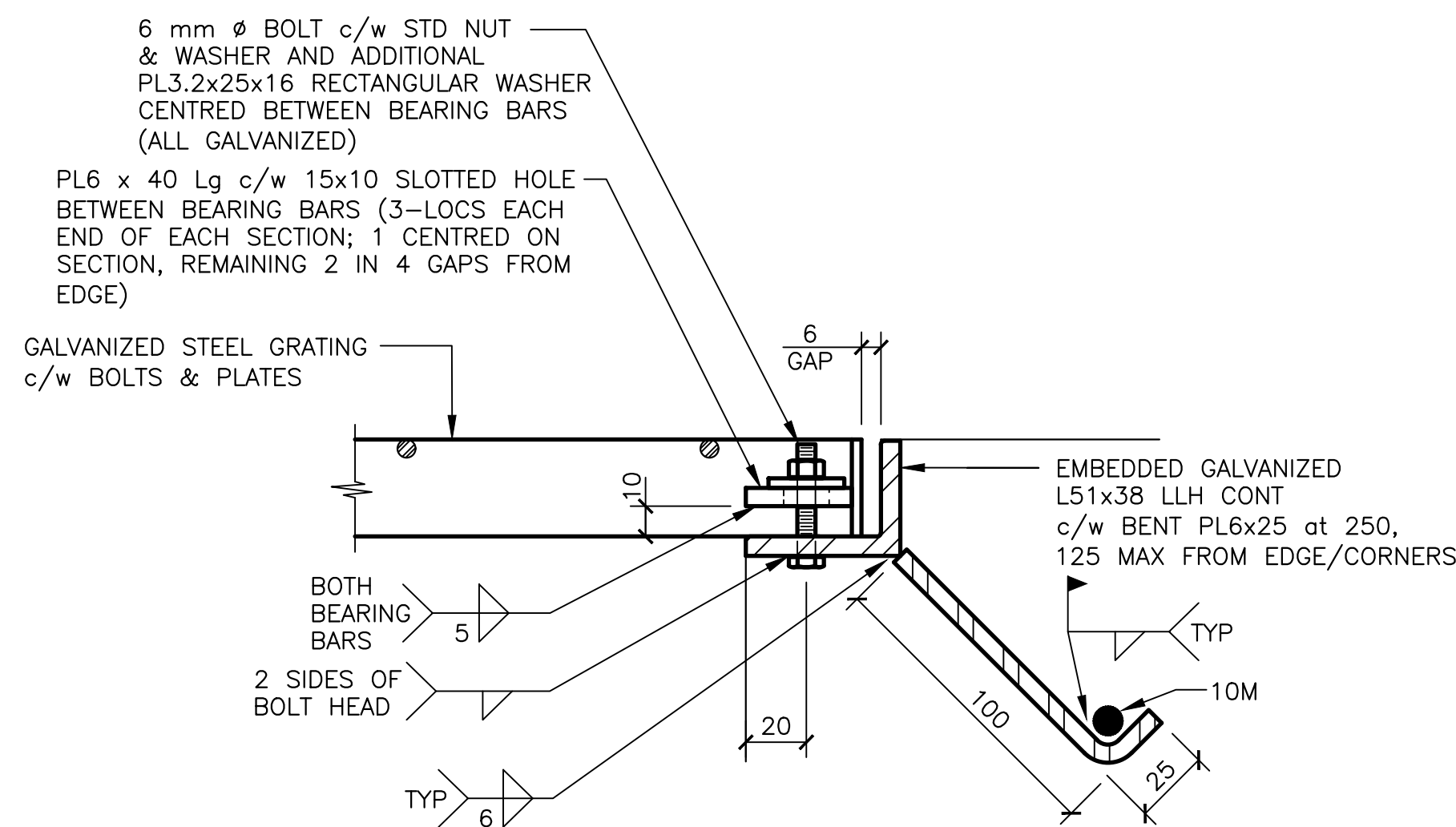


PLAN OF COVER  
1:20

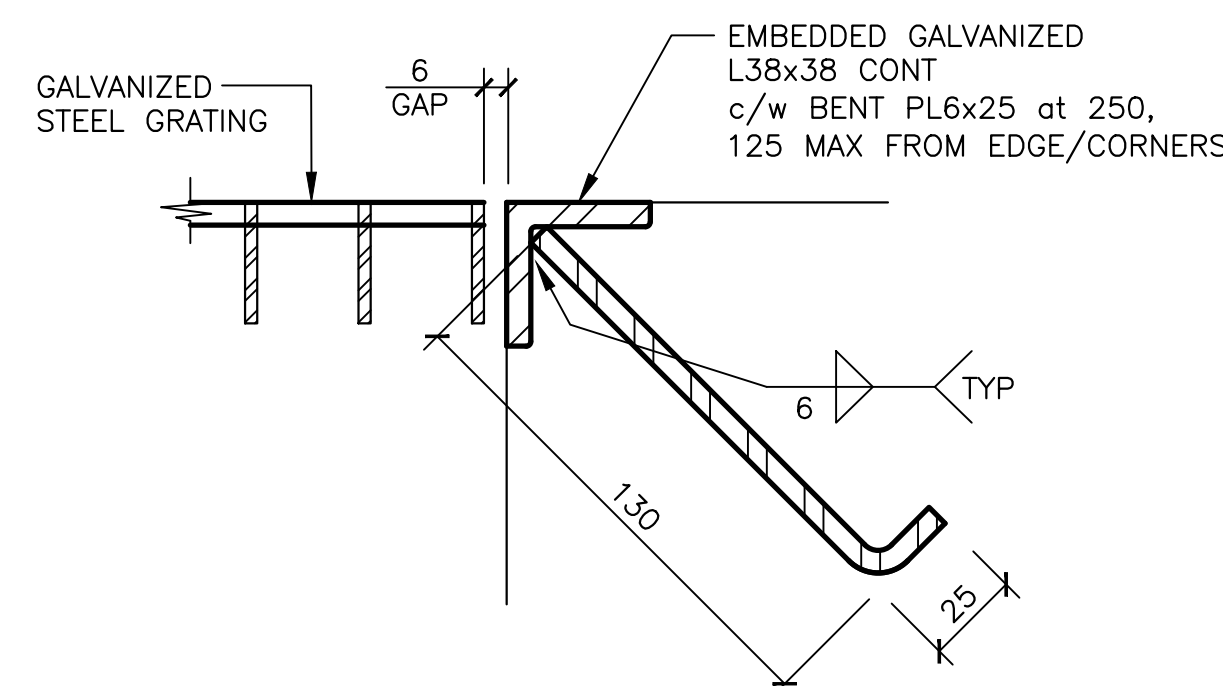
PLAN OF GRATING  
1:20



SECTION THROUGH COVER  
1:20



EMBEDDED ANGLE DETAIL A  
1:2



EMBEDDED ANGLE DETAIL B  
1:2

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