



Parks
Canada

Parcs
Canada

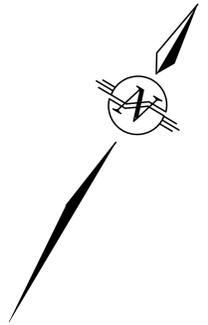
**RECAPITALIZATION OF
POINT WOLFE
STORMWATER SYSTEM
AND BANK STABILIZATION
FUNDY NATIONAL PARK,NB**

PROJECT NO. 1314

Sheet List Table

Sheet Number	Sheet Title
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C6	DETAILS
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C8	DETAILS – STILLING WELL COVER
C9	DETAILS – STILLING WELL COVER

Canada



LEGEND

- ELEVATION CONTOURS
- - - - - EXISTING EDGE OF GRAVEL
- EXISTING EDGE OF GRAVEL
- EXISTING TREE LINE
- DITCH LINE
- EXISTING STORM SEWER PIPE
- EXISTING TOP OF BANK
- TOP OF SLOPE
- BOTTOM OF SLOPE
- EXISTING STORM SEWER MH / CB
- PROPOSED STORM SEWER MH / CB
- SIGN
- POLE

NOTES:

- * ALL EXISTING UNDERGROUND DRAINAGE PIPE AND UTILITY INFORMATION SHOWN IS APPROXIMATE ONLY. SANITARY SEWER, WATER MAINS AND U/G ELECTRICAL LINES ARE NOT SHOWN. CONTRACTOR TO CONFIRM EXACT LOCATIONS AND INVERTS IN THE FIELD PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE ENGINEER.
- * ALL EXISTING STORMWATER PIPE IS CONCRETE UNLESS OTHERWISE NOTED.
- * ALL EXISTING ELEVATIONS SHOWN OTHERWISE NOTED.
- ** COORDINATES BASED ON EXISTING CONSTRUCTION MONUMENT AT POINT WOLFE COVERED BRIDGE
- ** EASTING: 342502.230
- ** NORTHING: 5046088.402
- ** ELEVATION: 14.344
- * POINT WOLFE COVERED BRIDGE HAS A LOAD RATING OF 30 TONNES.
- * BIDDERS TO BE AWARE OF A CONSTRICTED TURNING RADIUS AT SOUTH END OF BRIDGE.

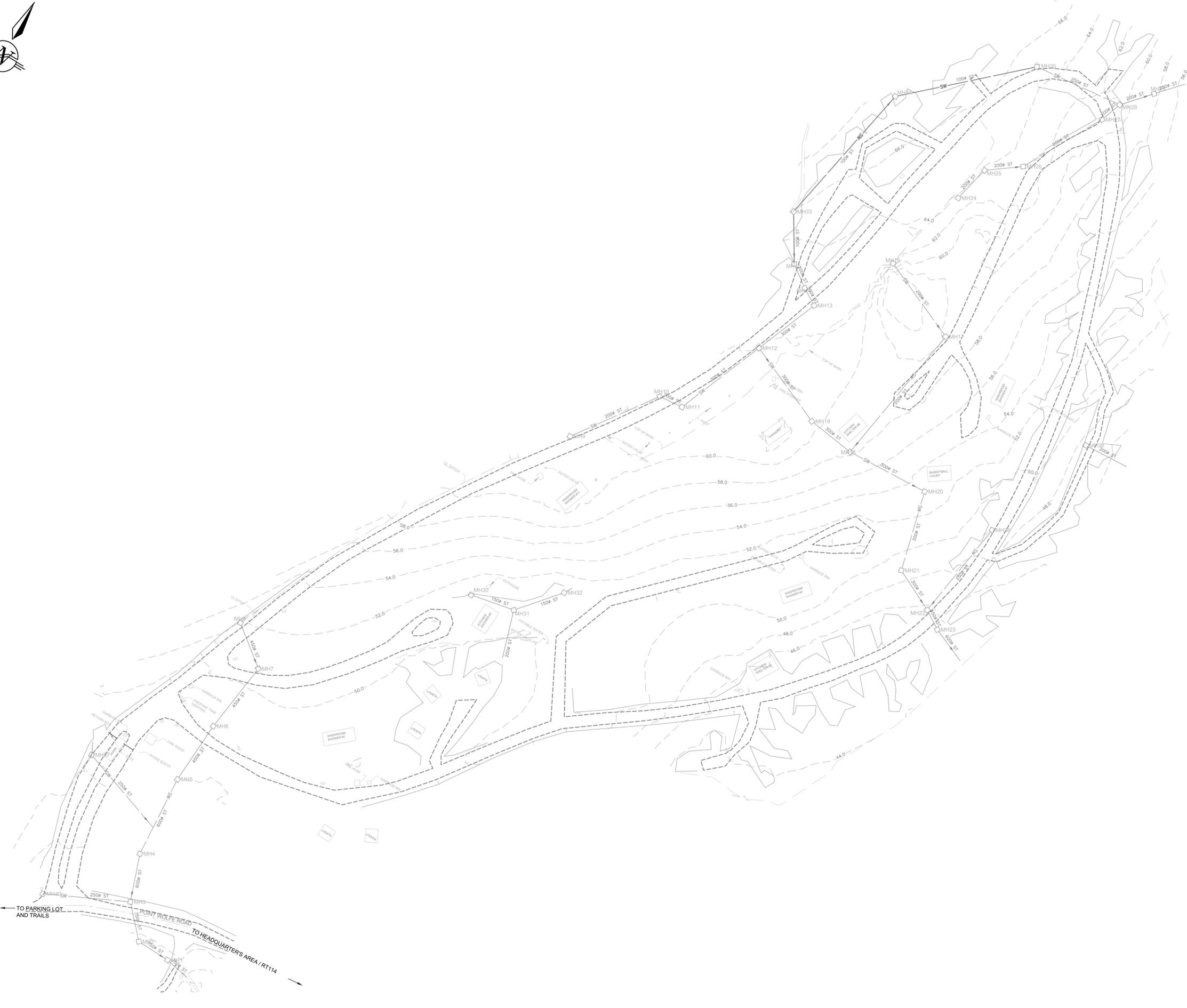
0	ISSUED FOR TENDER	MAR 30 2017
revisions		date

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

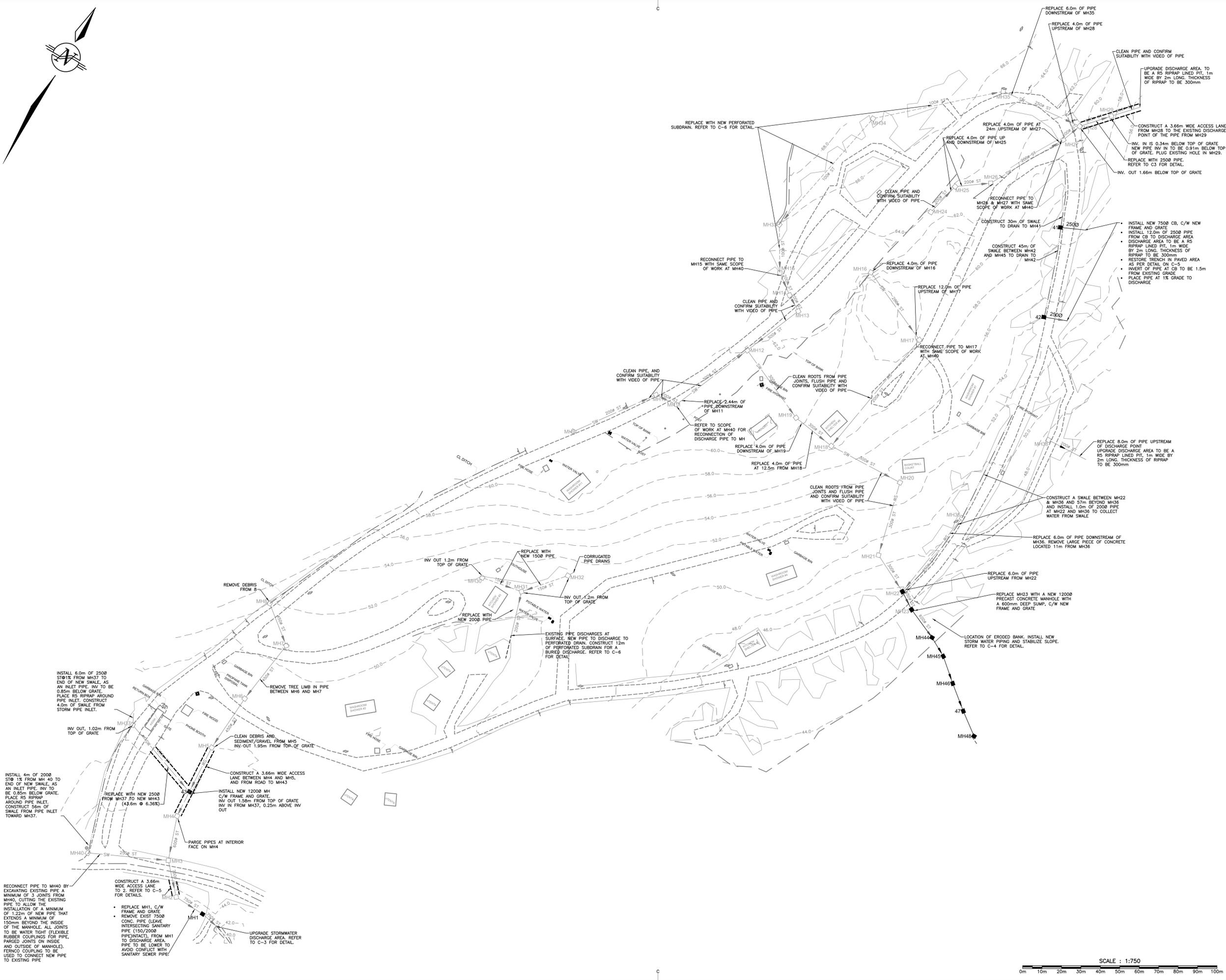
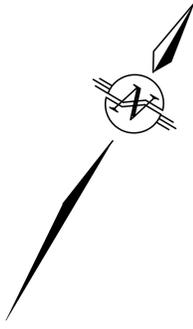
drawing **EXISTING CONDITIONS** design

designed GRG	conçu
date MAR, 2017	
drawn MN	dessiné
date MAR, 2017	
approved GRG	approuvé
date MAR, 2017	
Tender ANNIE CAMPEAU	Soumission
PCA Project Manager	Administrateur de projets APC
project number	no. du projet
1314	

drawing no. **C1** no. du dessin



SCALE : 1:750
0m 10m 20m 30m 40m 50m 60m 70m 80m 90m 100m



- INSTALL NEW 7500 CB, C/W NEW FRAME AND GRATE.
- INSTALL 12.0m OF 2500 PIPE FROM CB TO DISCHARGE AREA.
- DISCHARGE AREA TO BE A R5 RIPRAP LINED PIT, 1m WIDE BY 2m LONG. THICKNESS OF RIPRAP TO BE 300mm.
- RESTORE TRENCH IN PAVED AREA AS PER DETAIL ON C-5.
- INVERT OF PIPE AT CB TO BE 1.5m FROM EXISTING GRADE.
- PLACE PIPE AT 1% GRADE TO DISCHARGE.

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- COORDINATES BASED ON EXISTING CONSTRUCTION MONUMENT AT POINT WOLFE COVERED BRIDGE
- EASTING: 342820.530
- NORTHING: 5046588.402
- ELEVATION: 14.344
- EXISTING STORM WATER PIPE IS CONCRETE.
- THIS CAMPGROUND ALSO HAS SANITARY SEWER, UNDERGROUND ELECTRICAL, AND POTABLE WATER PIPING. HAVE EXISTING SERVICES LOCATED BEFORE ANY EXCAVATION STARTS.
- EXISTING PIPE AND MANHOLES NOT SUITABLE FOR USE TO BE DISPOSED OFF SITE AT AN APPROVED DISPOSAL SITE.

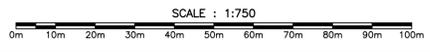
0	ISSUED FOR TENDER	MAR 30 2017
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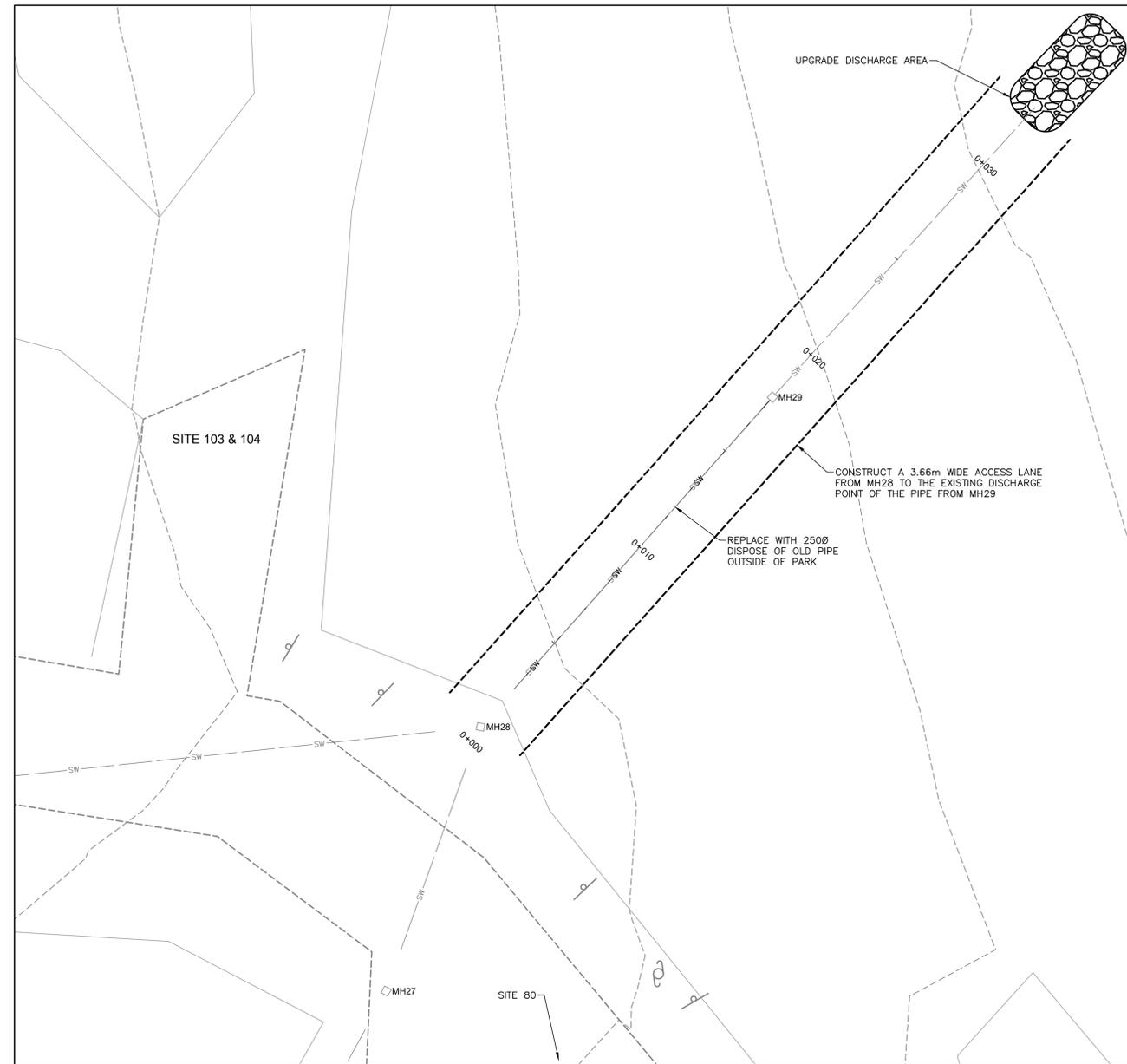
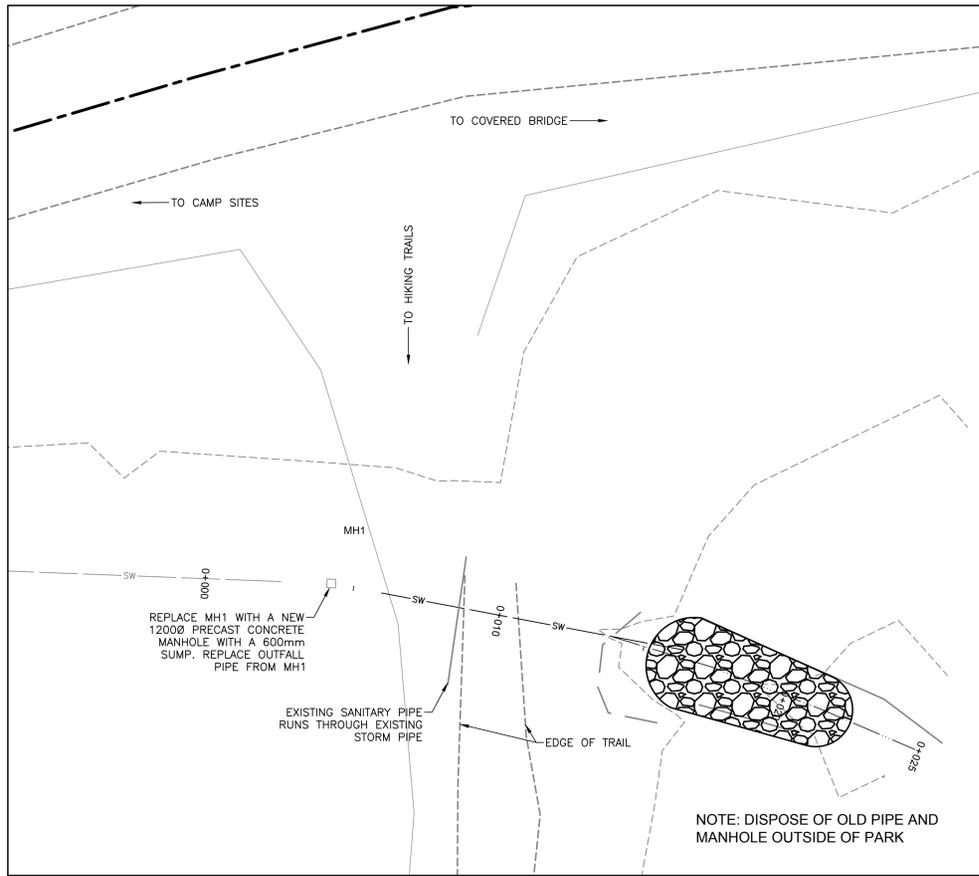
RECAPITALIZATION OF POINT WOLFE STORMWATER SYSTEM AND BANK STABILIZATION FUNDY NATIONAL PARK, NB

PROPOSED UPGRADES

designed	GRG	conq
date	MAR, 2017	
drawn	MN	designé
date	MAR, 2017	
approved	GRG	approuvé
date	MAR, 2017	
Tender	ANIE CAMPEAU	Soumission
PCA Project Manager	Administrateur de projets APC	
project number	1314	no. du projet

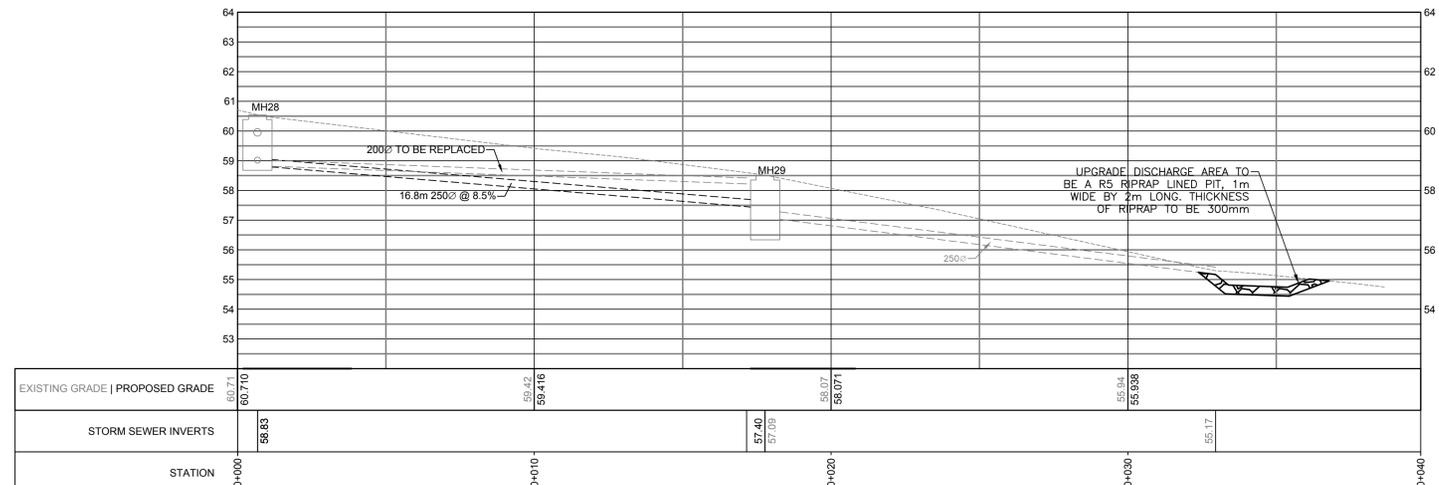
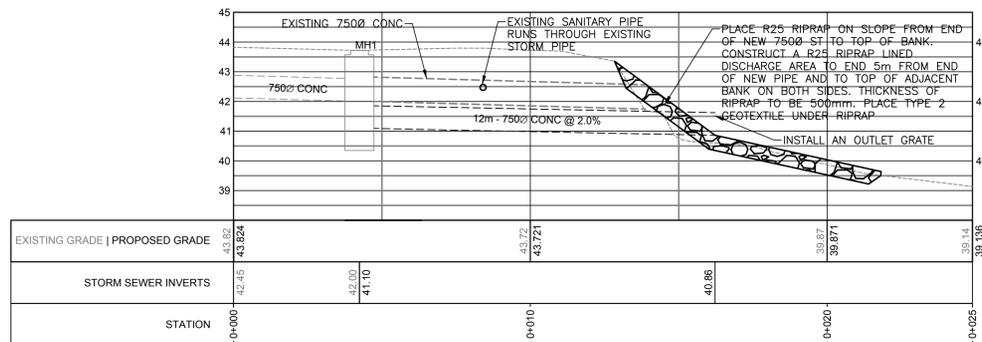
drawing no.	C2	no. du dessin
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MH 28 TO DISCHARGE PROFILE

MH1 TO DISCHARGE PROFILE



- NOTES:
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 - ** EASTING: 342820.530
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 - ** ELEVATION: 14.344
 - GEOTEXTILE TO BE PLACED UNDER ALL RIPRAP
 - TOPSOIL TO BE PLACED ONLY IN AREAS BEING MOWED OR WITH THE SURFACE RESTORATION FOR SUBDRAINS

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

drawing
PLAN AND PROFILES

designed	GRG	conçu
date	MAR, 2017	
drawn	MN	dessiné
date	MAR, 2017	
approved	GRG	approuvé
date	MAR, 2017	
Tender	ANNE CAMPEAU	Administrateur de projets APC
PCA Project Manager		
project number		no. du projet

1314

drawing no. C3

SCALE : 1:100





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

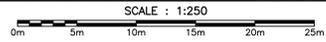
CONTRACTOR TO SELECT A MINIMUM OF THREE (3) OF THE ABOVE NOTED SHRUBS TO PLANT ON THE FORESLOPE AND BACKSLOPE IN THE SLOPE STABILIZATION AREA. TOTAL NUMBER OF PLANTINGS TO BE 300 SHRUBS, PLANTED IN A RANDOM PATTERN TO ENHANCE THE STABILIZATION OF THE SLOPE.

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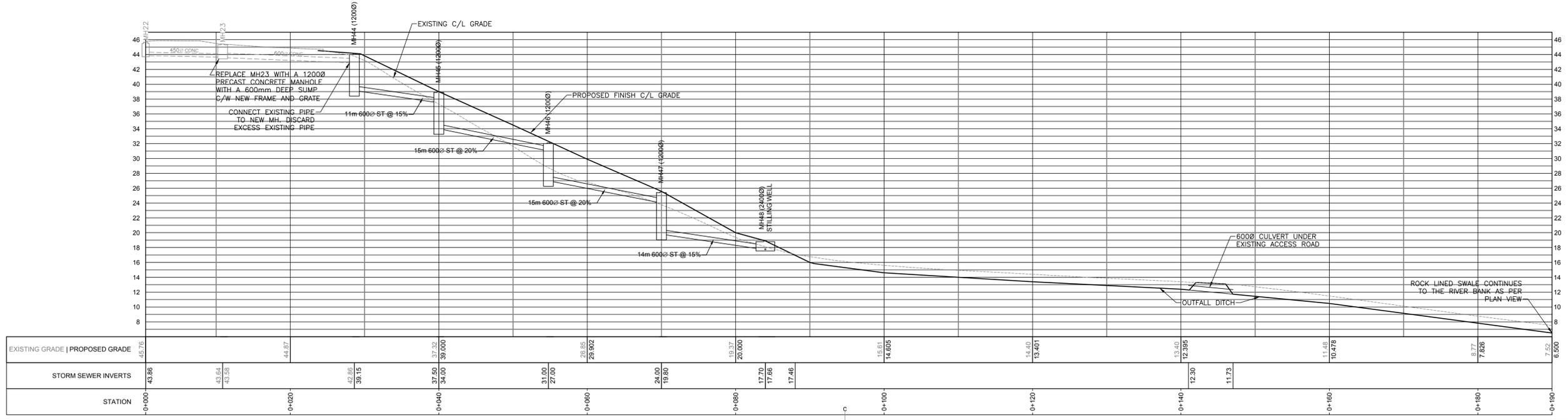
GEMTEC
CONSULTING ENGINEERS AND SCIENTISTS

REGISTERED PROFESSIONAL ENGINEER
G. R. Giguère
No. 2437
P. Eng. P. 9777
PROVINCE OF NEW BRUNSWICK

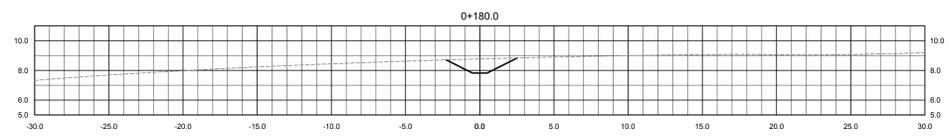
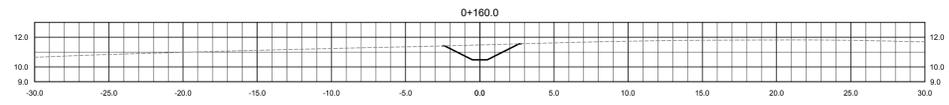
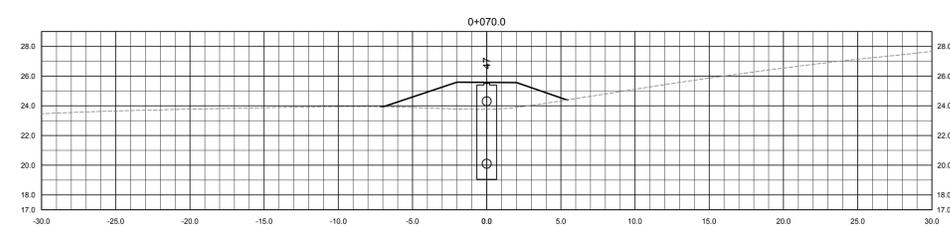
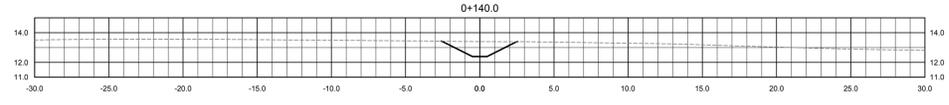
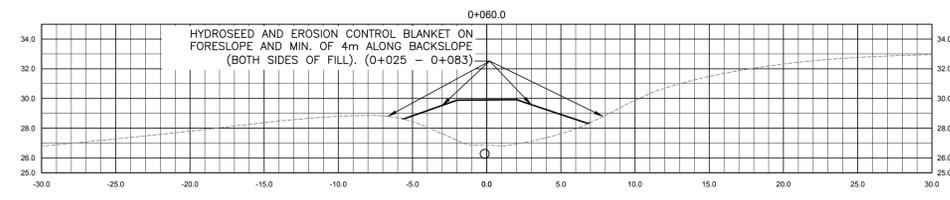
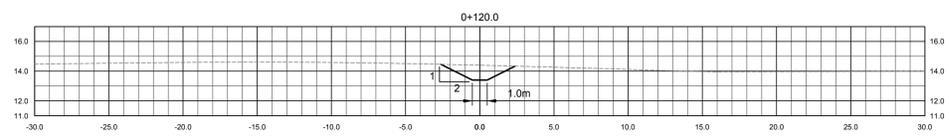
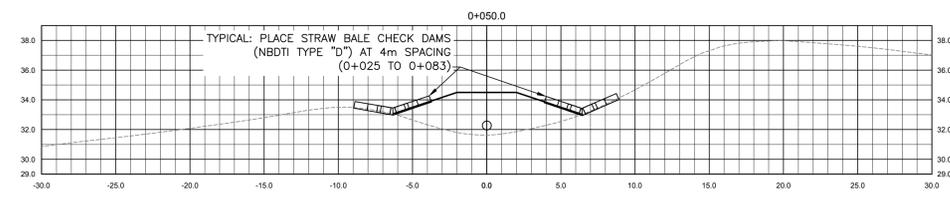
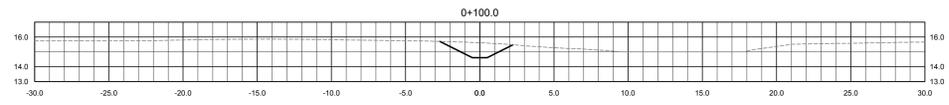
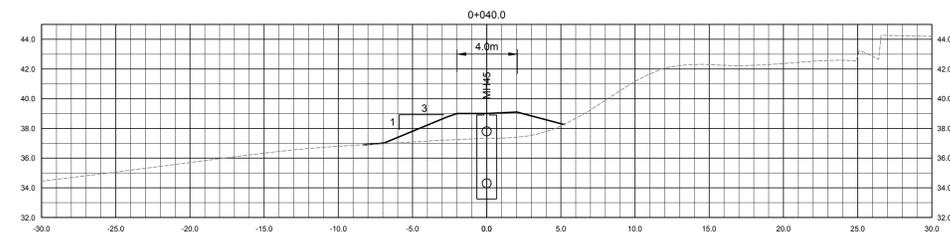
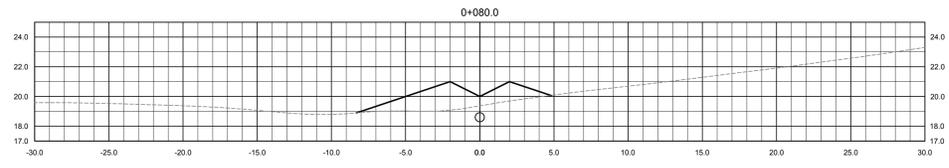
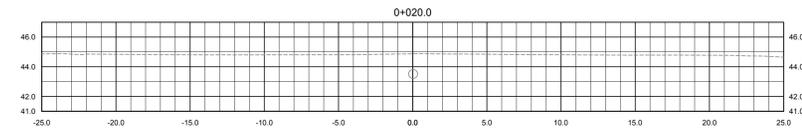
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 - EASTING: 342820.530
 - NORTHING: 504658.402
 - ELEVATION: 14.344
 - REMOVE FALLEN TREES FROM SLOPE STABILIZATION WORK AREA



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	
drawing	design	
designed	GRG	conçu
date	MAR, 2017	
drawn	MN	dessiné
date	MAR, 2017	
approved	GRG	approuvé
date	MAR, 2017	
Tender	ANNE CAMPEAU	
PCA Project Manager	Administrateur de projets APC	
project number	1314	
drawing no.	C4	



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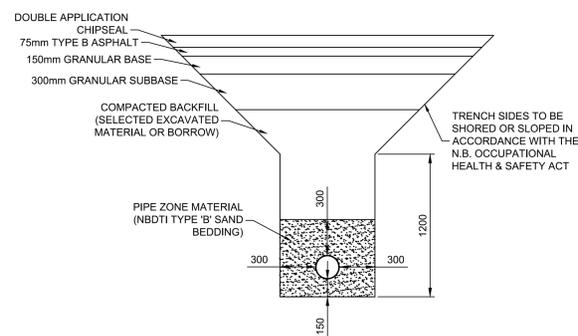
0	ISSUED FOR TENDER	MAR 30 2017
revisions		date

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

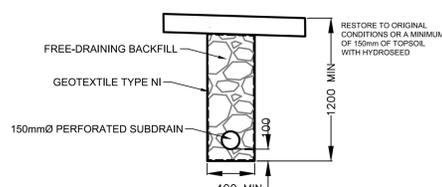
drawing dessin
MH 22 OUTFALL SECTIONS

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
project number	no. du projet
1314	
drawing no.	no. du dessin
C5	

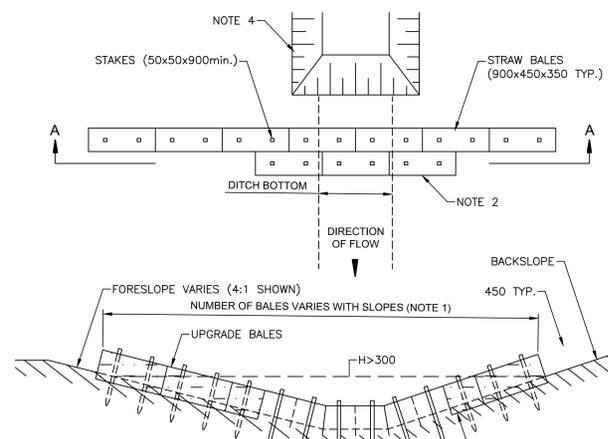




RESTORATION OF TRENCH (PAVED AREA)
N.T.S.



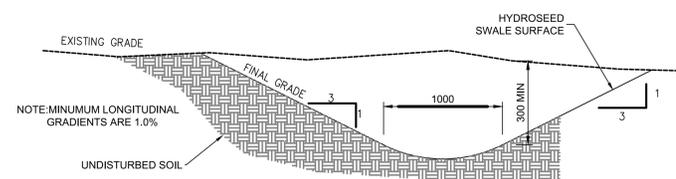
TYPICAL SUBDRAIN INSTALLATION
N.T.S.



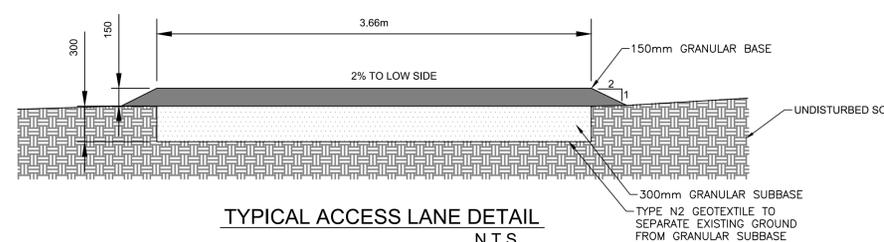
FORESLOPE/ BACKSLOPE	No. OF BALES	
	FS	BS
2:1 / 2:1	2	2
3:1 / 2:1	3	2
3:1 / 3:1	3	3
4:1 / 3:1	4	3
6:1 / 3:1	5	3
WIDE SWALES	AS REQUIRED	

- 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 605-50 AND 605-6 IS REQUIRED FOR TYPE 'D' STRUCTURE.

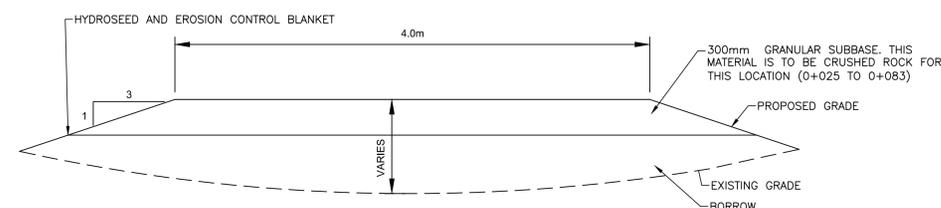
NBDTI TYPE 'D' EROSION CONTROL STRUCTURE
N.T.S.



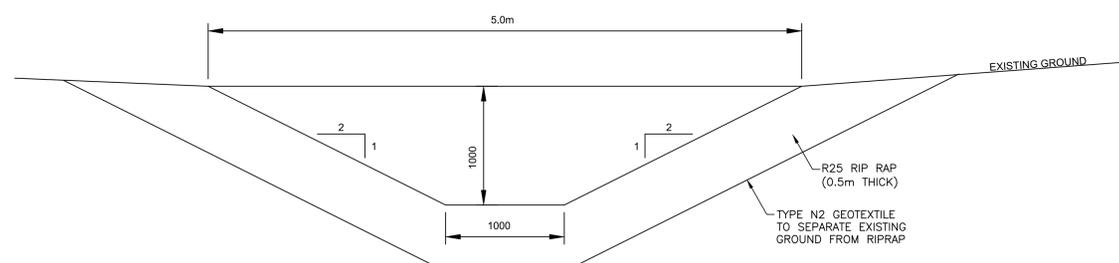
TYPICAL SWALE SECTION
N.T.S.



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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 - EASTING: 342820.530
 - NORTHING: 5046558.402
 - ELEVATION: 14.344

0	ISSUED FOR TENDER	MAR 30 2017
revisions		date

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

drawing dessin

DETAILS

designed GRG conçu

date MAR, 2017

drawn MN dessiné

date MAR, 2017

approved GRG approuvé

date MAR, 2017

Tender Annie Campeau Submission

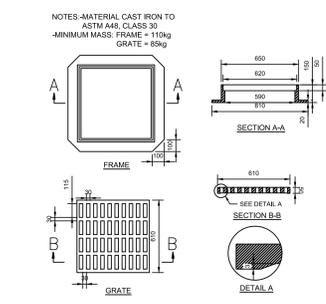
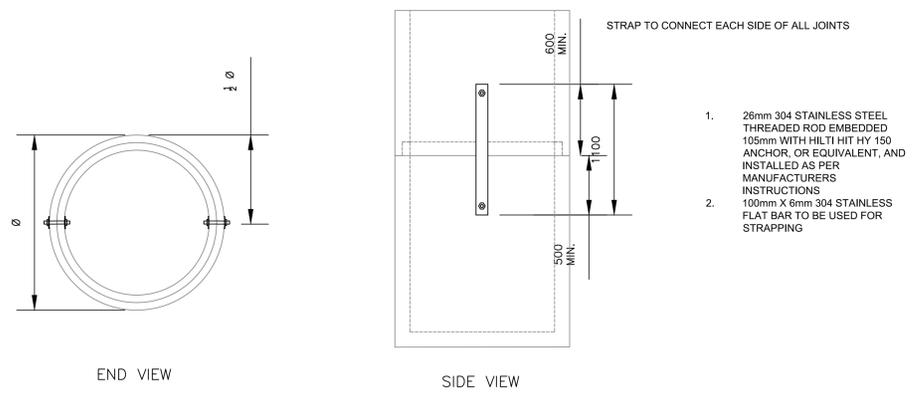
PCA Project Manager Administrateur de projets APC

project number no. du projet

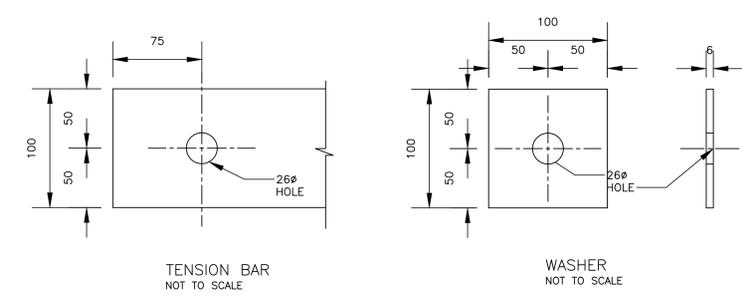
1314

drawing no. no. du dessin

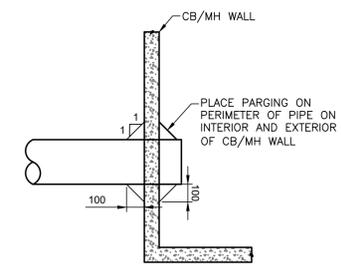
C6



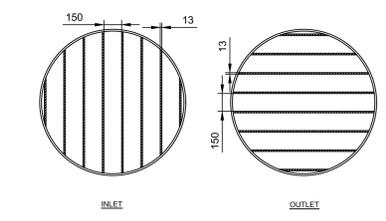
SQUARE FRAME AND GRATE
N.T.S.



MANHOLE RESTRAINING STRAPS
N.T.S.



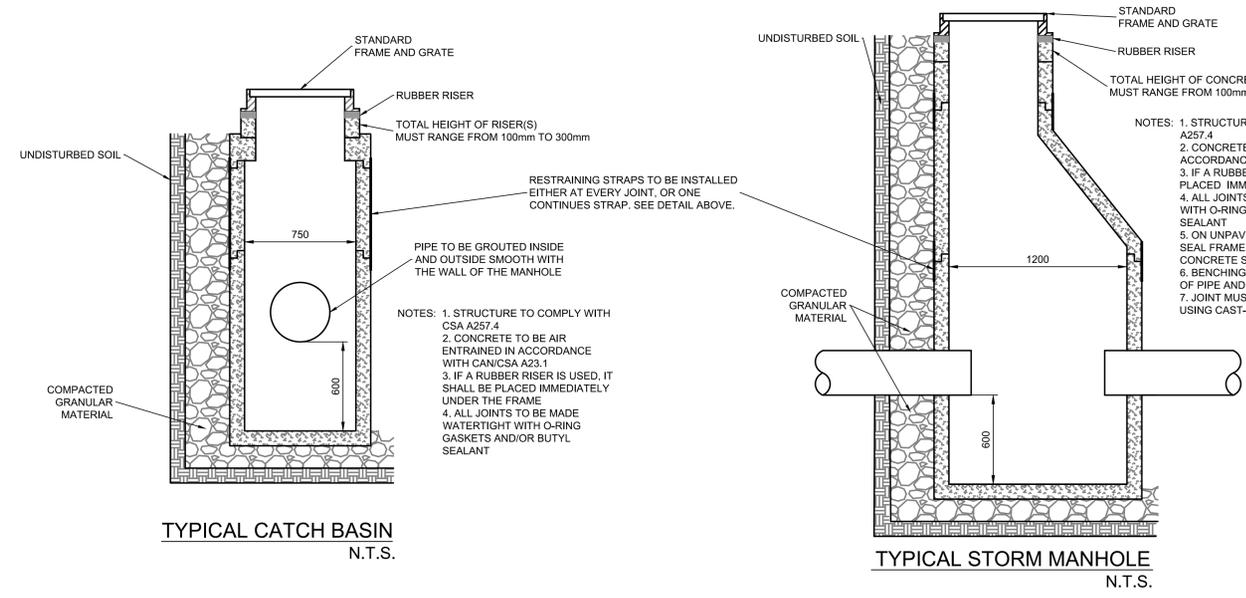
PARGING DETAIL
N.T.S.



STORM INLET / OUTLET GRATE
N.T.S.

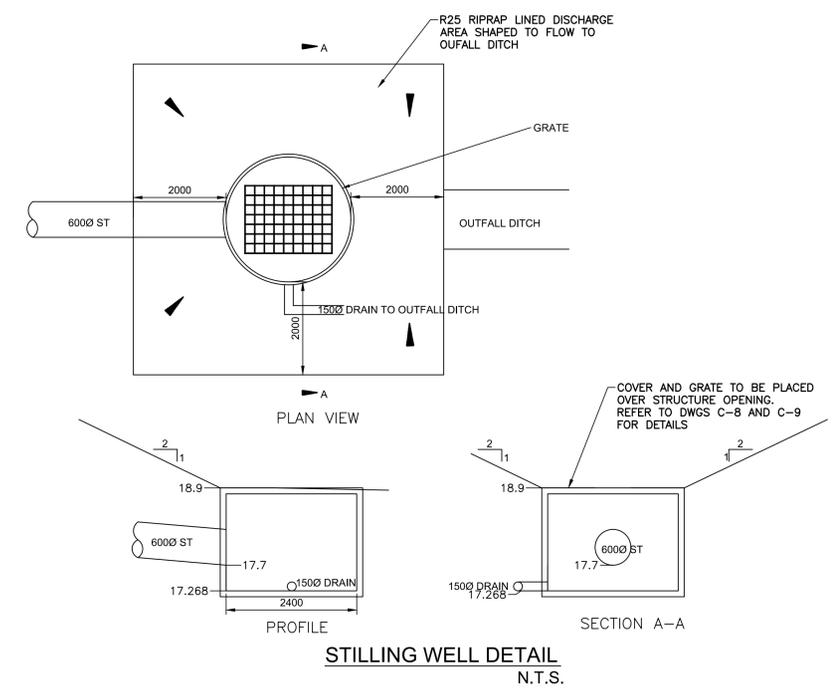
NOTE: GRATE TO BE SECURELY CONNECTED TO PIPE

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TYPICAL CATCH BASIN
N.T.S.

TYPICAL STORM MANHOLE
N.T.S.



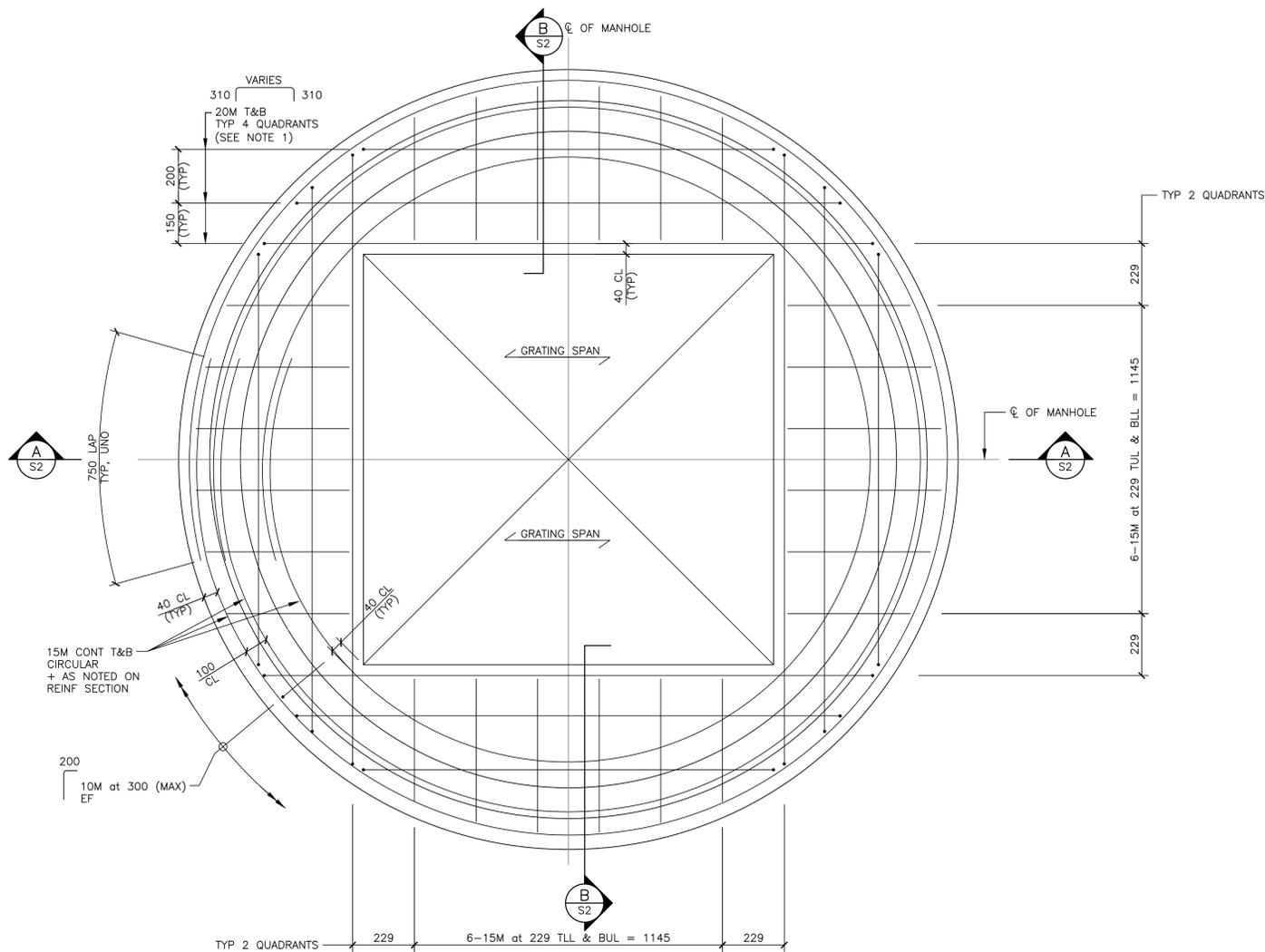
STILLING WELL DETAIL
N.T.S.

0	ISSUED FOR TENDER	MAR 30 2017
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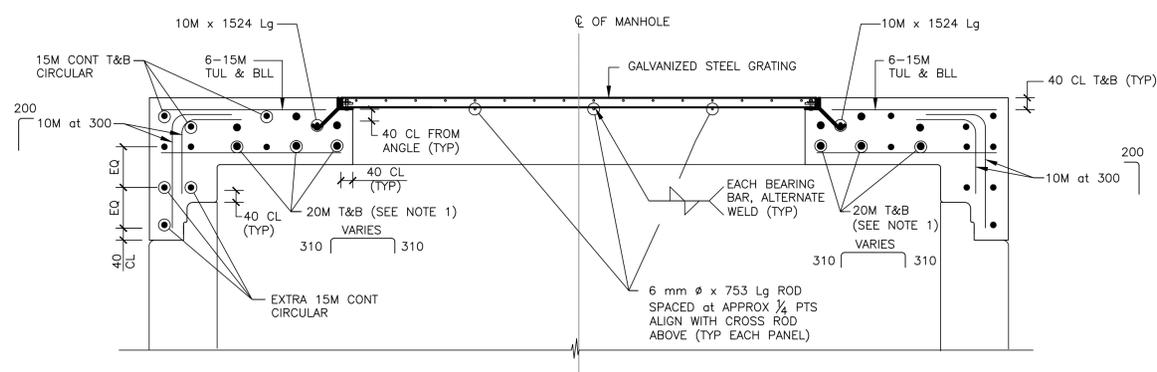
project: **RECAPITALIZATION OF POINT WOLFE STORMWATER SYSTEM AND BANK STABILIZATION FUNDY NATIONAL PARK, NB**

designed: GRG
 date: MAR, 2017
 drawn: MN
 date: MAR, 2017
 approved: GRG
 date: MAR, 2017

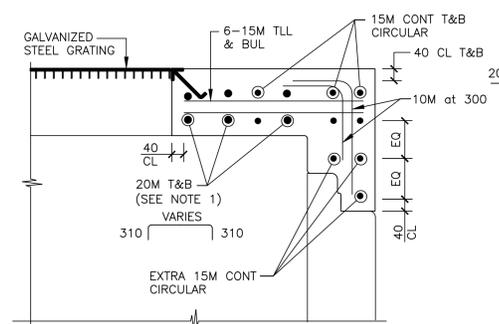
Tender: ANNIE CAMPEAU
 PCA Project Manager
 project number: 1314
 drawing no.: C7



PLAN OF COVER — REINFORCING
1:10



SECTION THROUGH COVER — REINFORCING (A)
1:10



SECTION THROUGH COVER — REINFORCING (B)
1:10

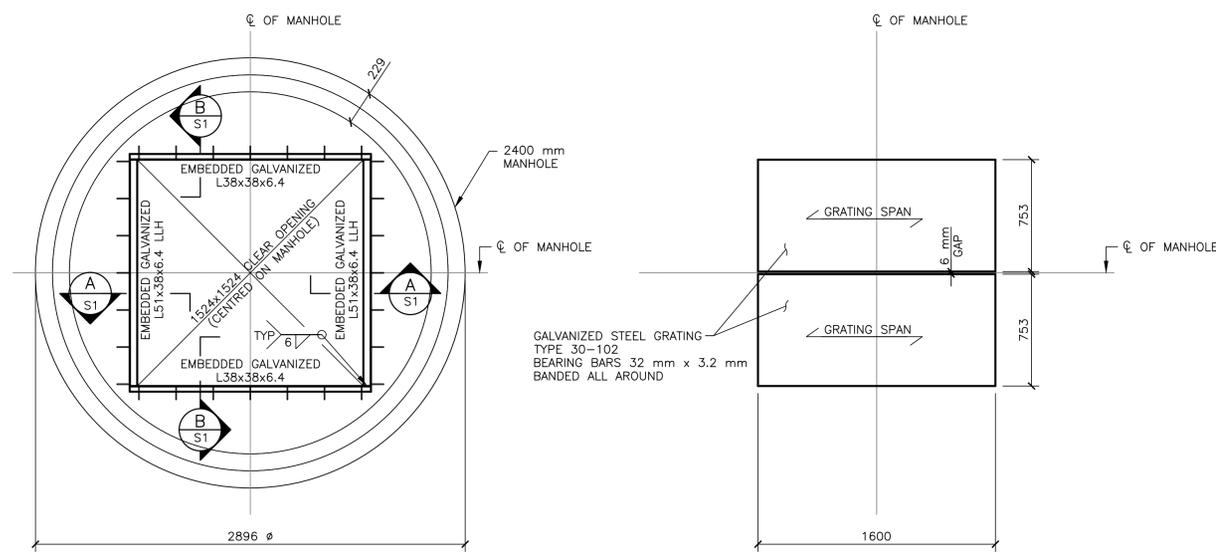
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project
RECAPITALIZATION OF POINT WOLFE STORMWATER SYSTEM AND BANK STABILIZATION FUNDY NATIONAL PARK, NB

drawing
DETAILS STILLING WELL COVER

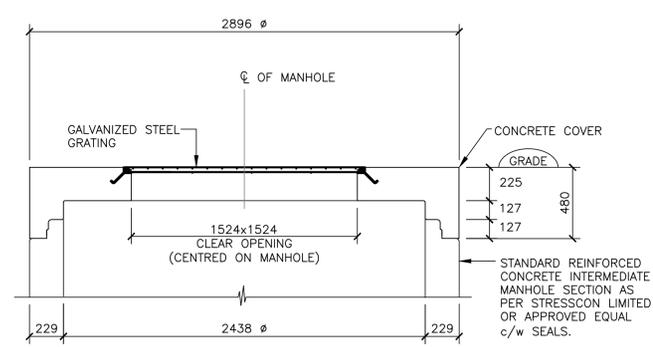
designed GRG	conçu
date MAR, 2017	
drawn MN	dessiné
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Tender ANNIE CAMPEAU PCA Project Manager	Administrateur de projets APC
project number	no. du projet
1314	
drawing no.	no. du dessin
C8	



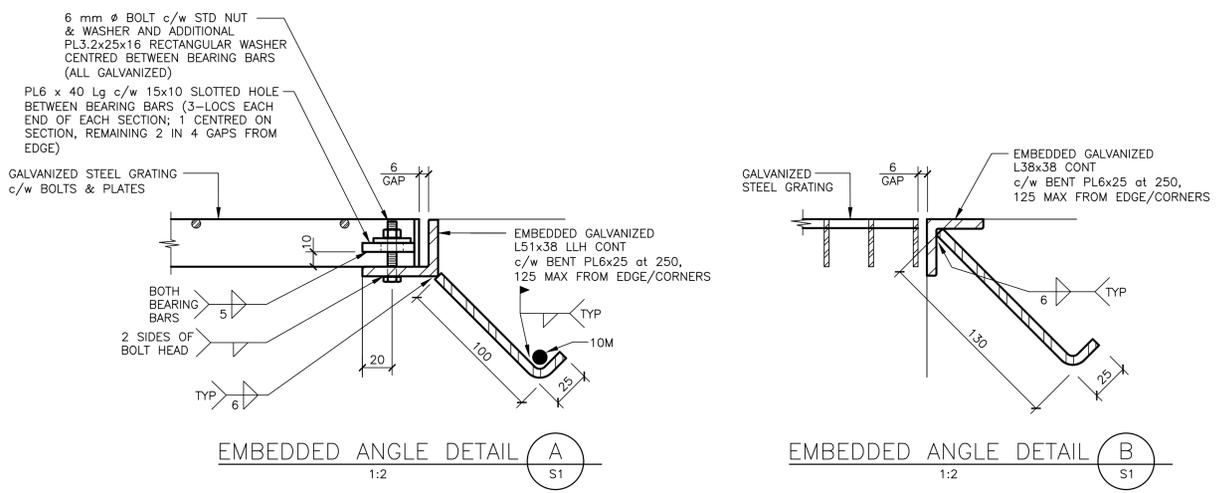
GALVANIZED STEEL GRATING
TYPE 30-102
BEARING BARS 32 mm x 3.2 mm
BANDED ALL AROUND

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

NOTES:
 * ALL EXISTING UNDERGROUND PIPE AND UTILITY INFORMATION SHOWN IS APPROXIMATE ONLY. CONTRACTOR TO CONFIRM EXACT LOCATIONS AND INVERTS IN THE FIELD PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE ENGINEER.
 * ALL EXISTING STORMWATER PIPE IS CONCRETE UNLESS OTHERWISE NOTED.
 * GEODETIC ELEVATIONS SHOWN
 ** COORDINATES BASED ON EXISTING CONSTRUCTION MONUMENT AT POINT WOLFE COVERED BRIDGE
 ** EASTING: 342820.530
 ** NORTHING: 5046558.402
 ** ELEVATION: 14.344

0	ISSUED FOR TENDER	MAR 30 2017
revisions		date

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

drawing
DETAILS STILLING WELL COVER

designed GRG	conçu
date MAR, 2017	
drawn MN	dessiné
date MAR, 2017	
approved GRG	approuvé
date MAR, 2017	
Tender ANNIE CAMPEAU	Soumission
PCA Project Manager	Administrateur de projets APC
project number	no. du projet
1314	
drawing no.	no. du dessin
C9	