

FISHERIES AND OCEANS



CULVERT REPLACEMENT AND MISCELLANEOUS WORK CAPE RACE ACCESS ROAD, NL

PROJECT NO.: F6879-154001
ISSUED FOR TENDER

DATE: JULY 30, 2015

CLIENT/OWNER:
DEPARTMENT OF FISHERIES & OCEANS,
REAL PROPERTY SAFETY AND SECURITY

PRIME CONSULTANTS:

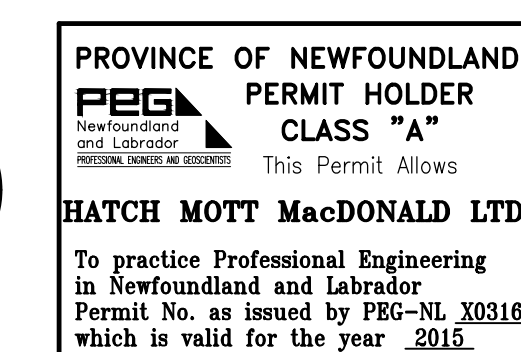
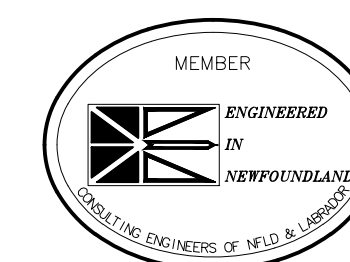


Engineers, Planners & Project Managers
18-22 Balbo Drive, Clarenville, NL, A5A 4A3
Phone : (709) 466-2685
Fax : (709) 466-2168

DRAWING LIST:

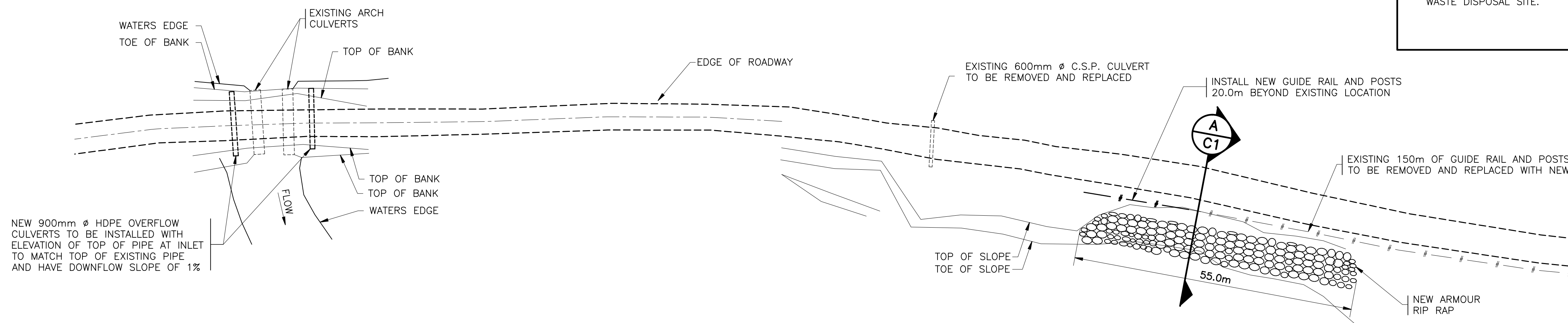
TITLE

01K1101A053C1	PLAN - THE DROOK AREA / SECTION A / PLAN - WATER COVE RIVER BRIDGE
01K1101A053C2	CULVERT LOCATIONS / SHEET 1
01K1101A053C3	CULVERT LOCATIONS / SHEET 2
01K1101A053C4	MISCELLANEOUS DETAILS

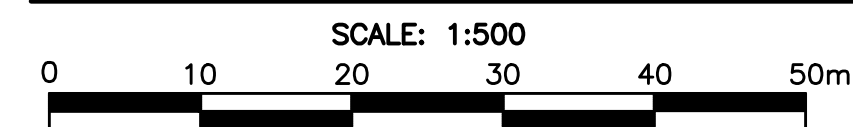


GENERAL NOTES CON'T

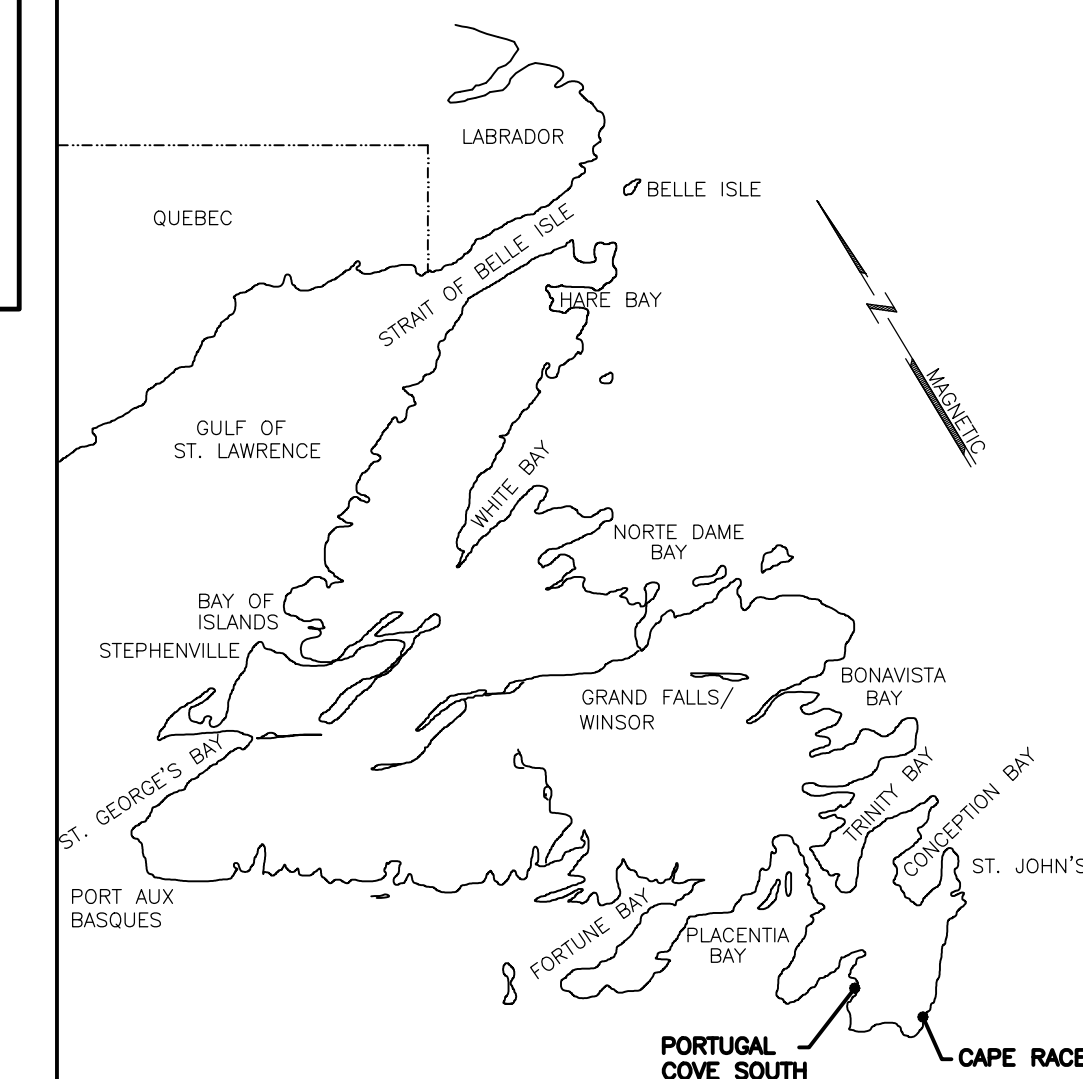
6. ALL CULVERT INSTALLATIONS IN NATURAL STREAMS SHALL HAVE RIP RAP PLACED AT INLETS AND OUTLETS.
7. CONTRACTOR TO ADHERE TO ALL APPLICABLE REGULATIONS, INCLUDING "LETTER OF ADVICE" FROM THE DEPARTMENT OF ENVIRONMENT AND CONSERVATION AND THE DEPARTMENT OF FISHERIES AND OCEANS.
8. CONTRACTOR IS RESPONSIBLE FOR PROPER TRANSPORTATION AND DISPOSAL OF ALL DEMOLITION MATERIALS TO AN APPROVED WASTE DISPOSAL SITE.



PLAN – THE DROOK AREA



1
C1



KEY LOCATION PLAN

Consultant

Hatch Mott MacDonald
 Consulting Engineers
 18-22 Balbo Drive
 Clarenville, Newfoundland
 Canada A5A 4A3
 tel: (709) 466-2685
 fax: (709) 466-2168

HMM Project No.

355217

PROVINCE OF NEWFOUNDLAND
PERMIT HOLDER
CLASS "A"
 This Permit Allows
HATCH MOTT MacDONALD LTD.
 To practice Professional Engineering
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 Permit No. as issued by PEG-NL X0316
 which is valid for the year 2015.

GENERAL NOTES

1. ALL NOTED STATIONS ARE APPROXIMATE ONLY AND WERE DERIVED FROM VEHICLE ODOMETER READINGS STARTING FROM THE BRIDGE AT WRIGHT'S RIVER. ALL CULVERT LOCATIONS ARE GIVEN AS A GENERAL LOCATION ONLY AND IT IS CONTRACTORS RESPONSIBILITY TO LOCATE THESE CULVERTS IN THE FIELD.
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B	ISSUED FOR TENDER	07/30/15	M.L.	K.G.
A	ISSUED FOR 99% CLIENT REVIEW	07/24/15	P.M.	K.G.
no.	revision	date	by	approved
no.	revision	date	par	approve

Project – projet

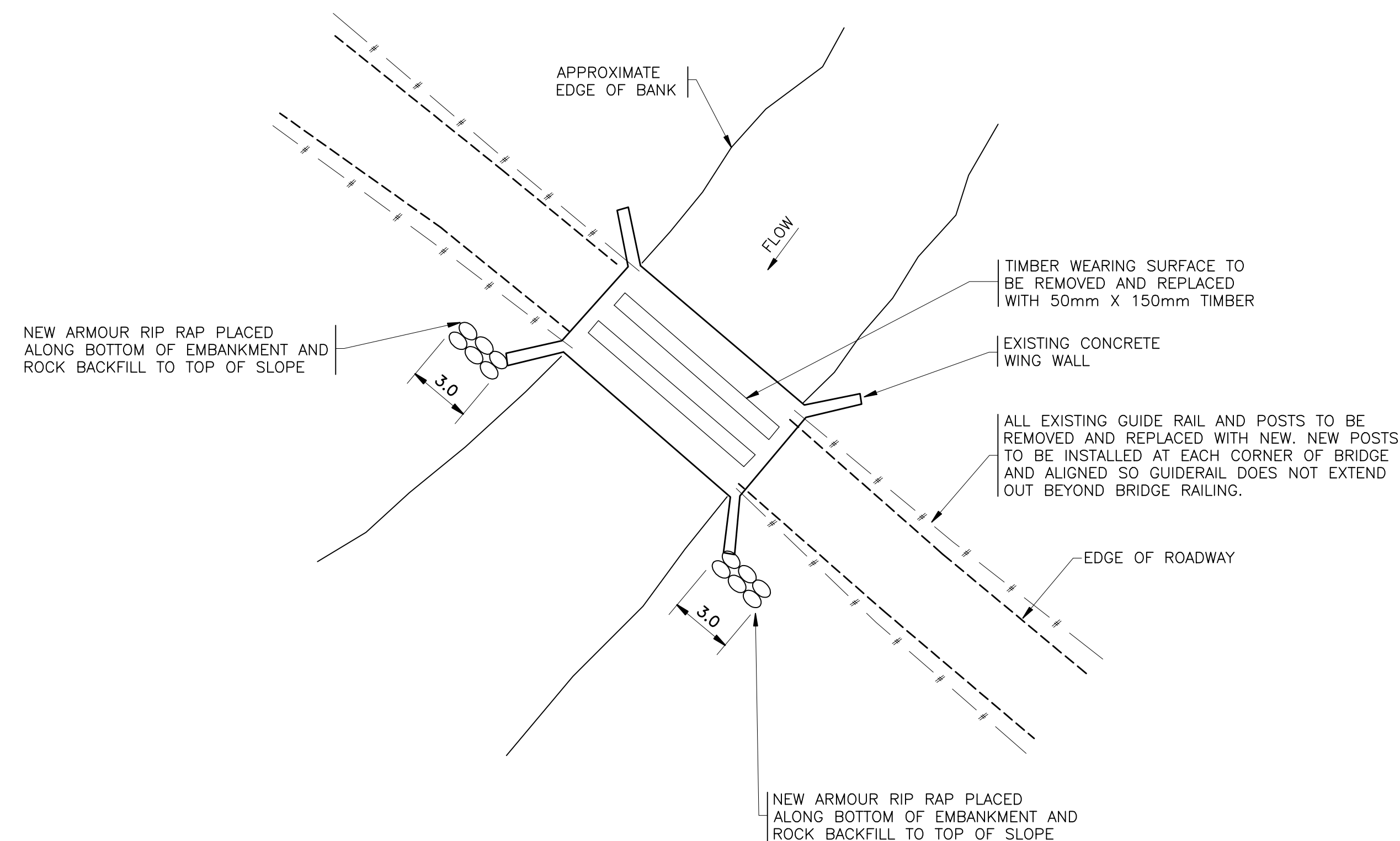
**CULVERT REPLACEMENT AND MISCELLANEOUS WORK
 CAPE RACE ACCESS ROAD**

Drawing – dessin

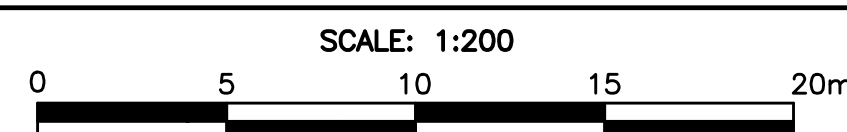
**PLAN – THE DROOK AREA
 SECTION A
 PLAN – WATERN COVE RIVER BRIDGE**

drawn – dessiné	designed – dessiné par
P. MARSH	K. GOODYEAR
date – date	checked – vérifié
JULY, 2015	S. SMITH
scale – échelle	approved for tender – approuvé pour l'offre
N.T.S.	

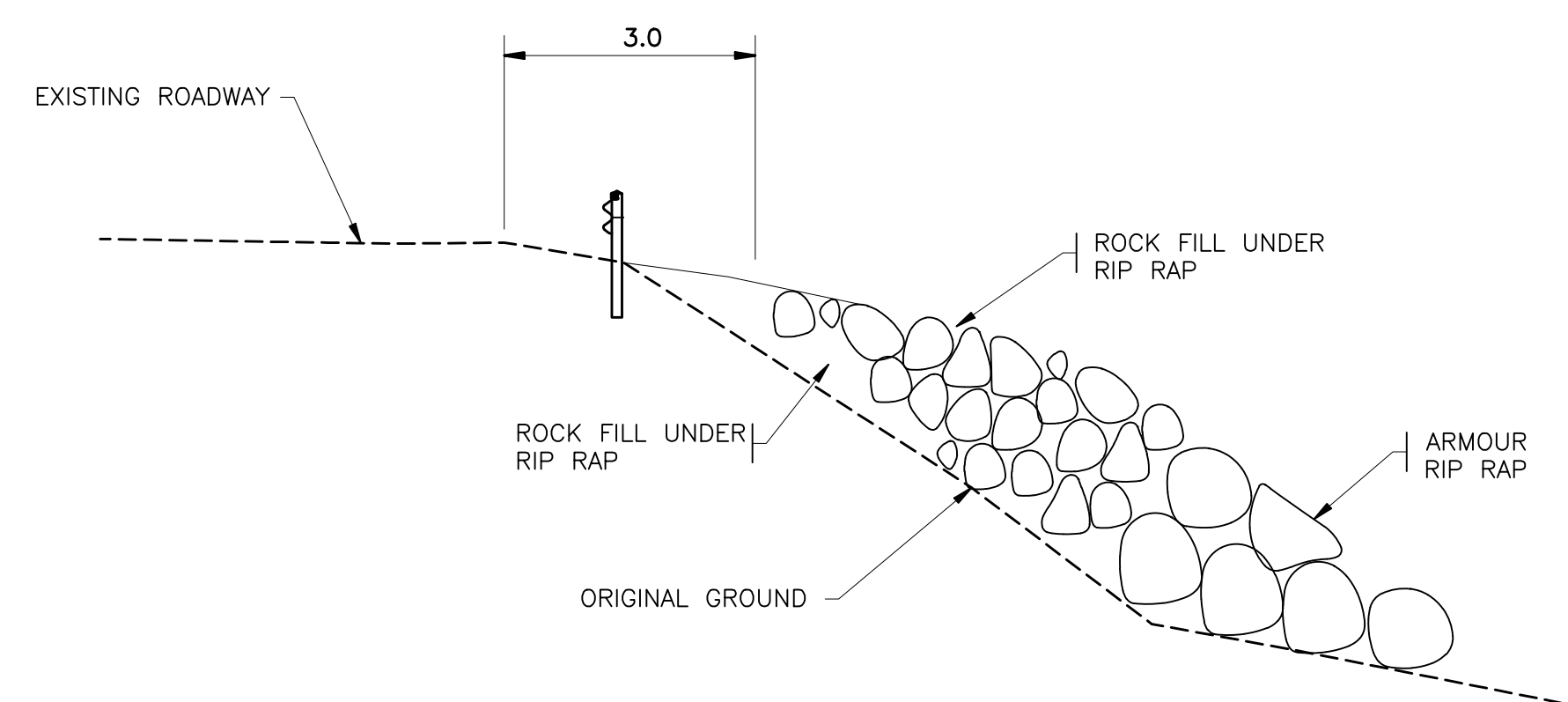
project no. – projet no.	drawing no. – no du dessin	sheet – feuille
F6879-154000	01K1101A053C1	C1



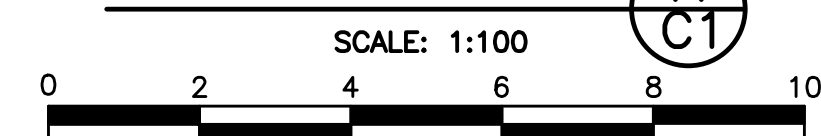
PLAN – WATERN COVE RIVER BRIDGE



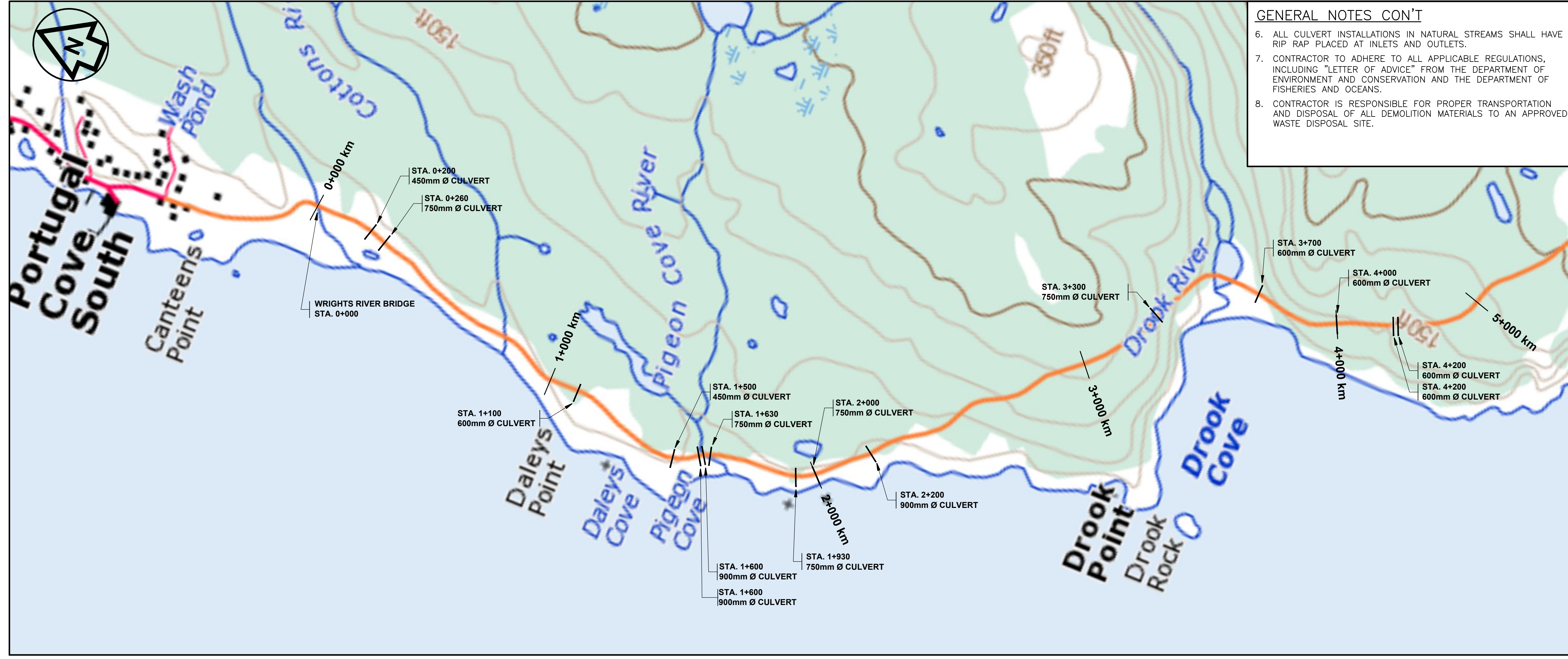
2
C1



SECTION

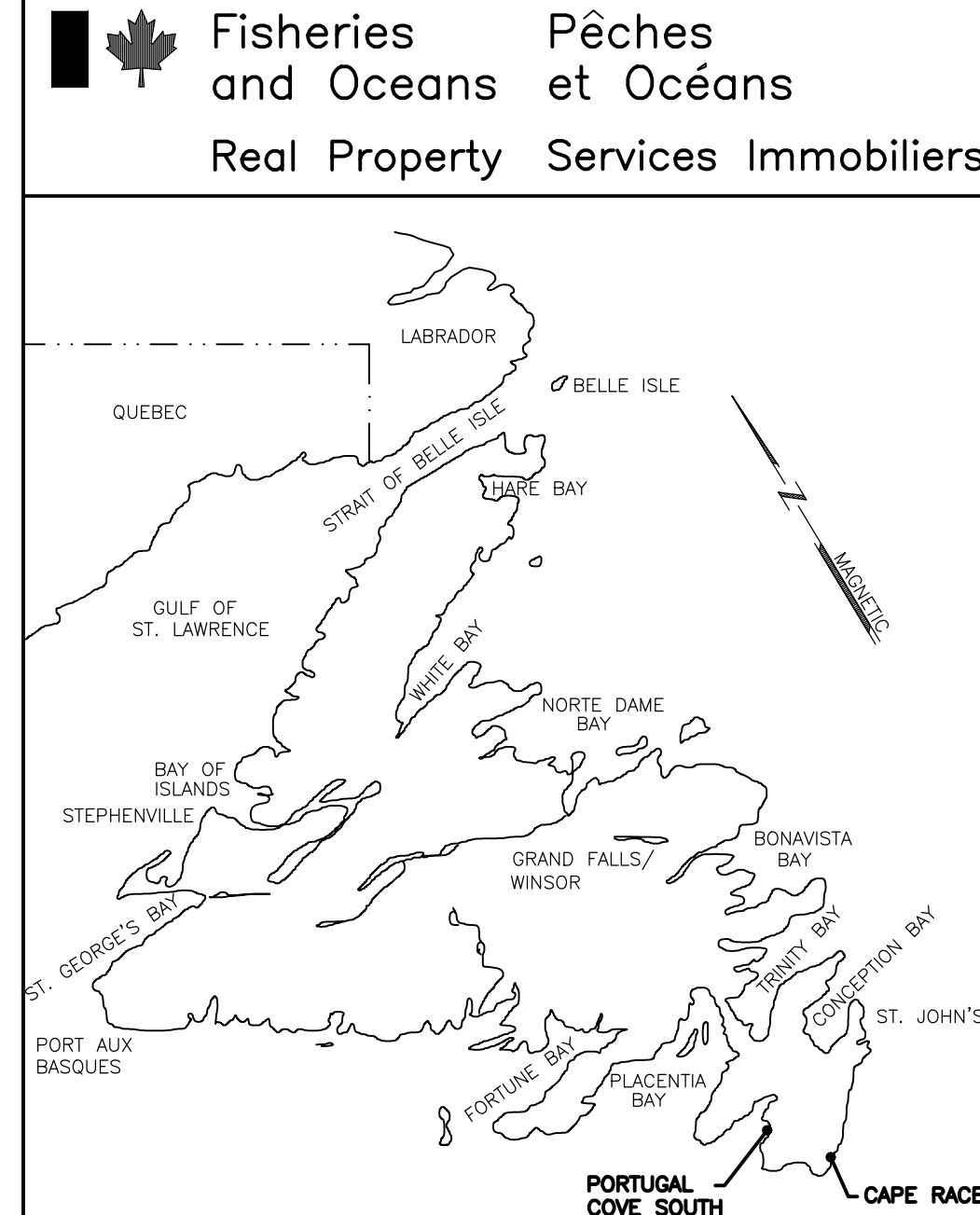


A
C1



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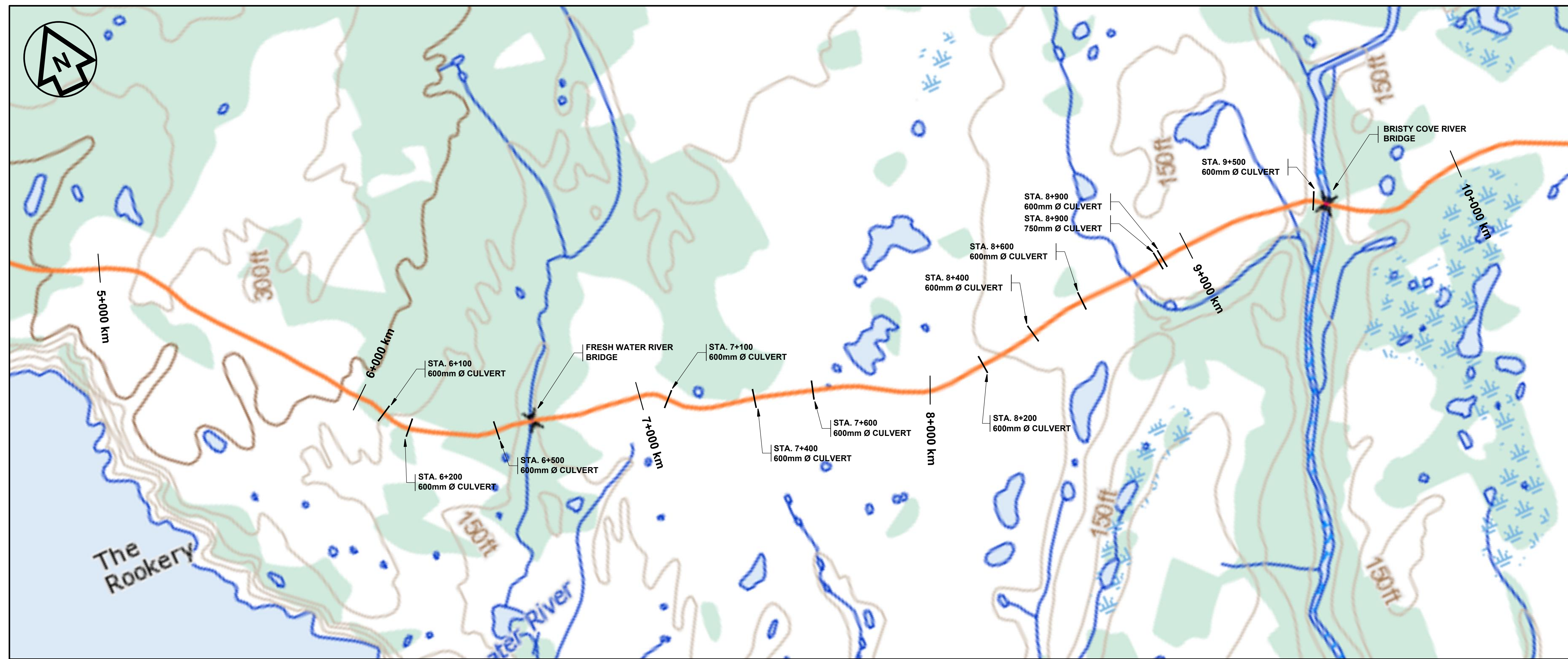
Consultant

Hatch Mott MacDonald

Consulting Engineers
 18-22 Balbo Drive
 Clarenville, Newfoundland
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 tel: (709) 466-2685
 fax: (709) 466-2168

HMM Project No. 355217

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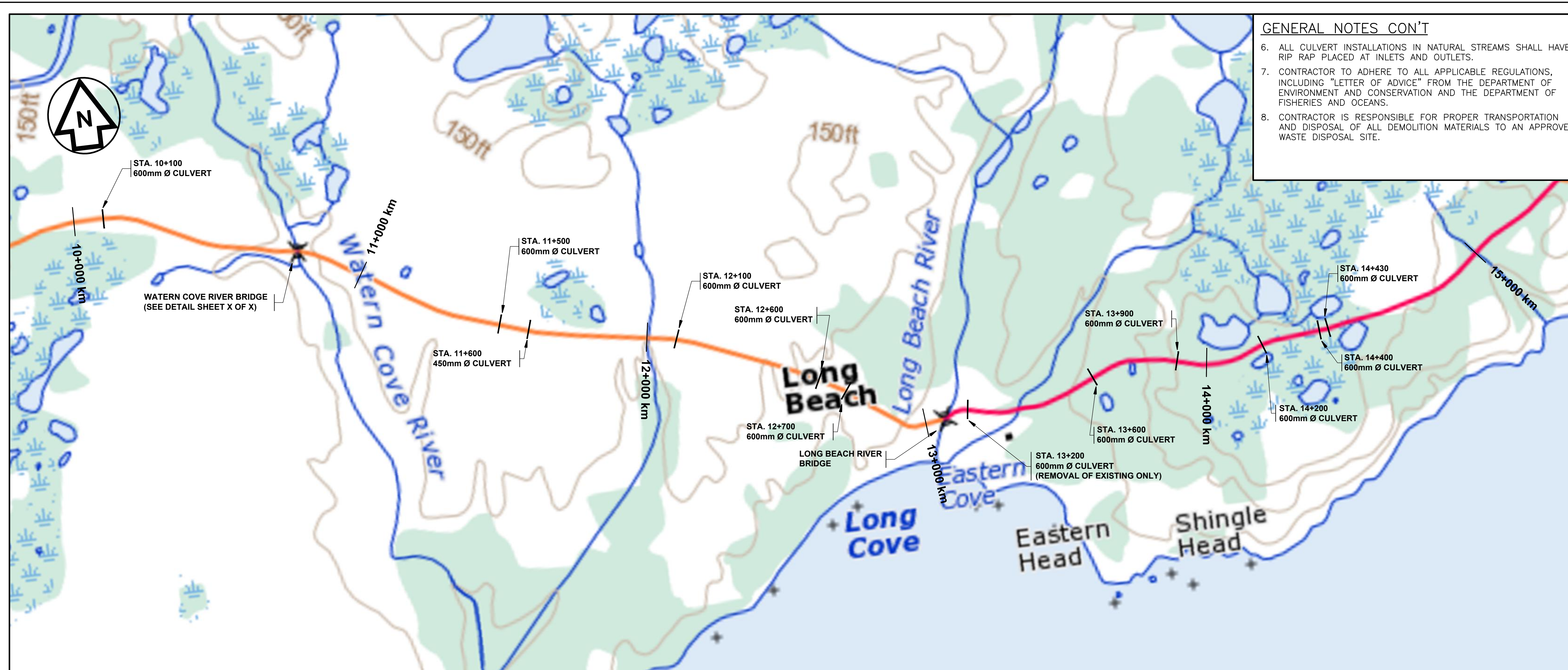
Project - projet

CULVERT REPLACEMENT AND MISCELLANEOUS WORK CAPE RACE ACCESS ROAD

Drawing - dessin

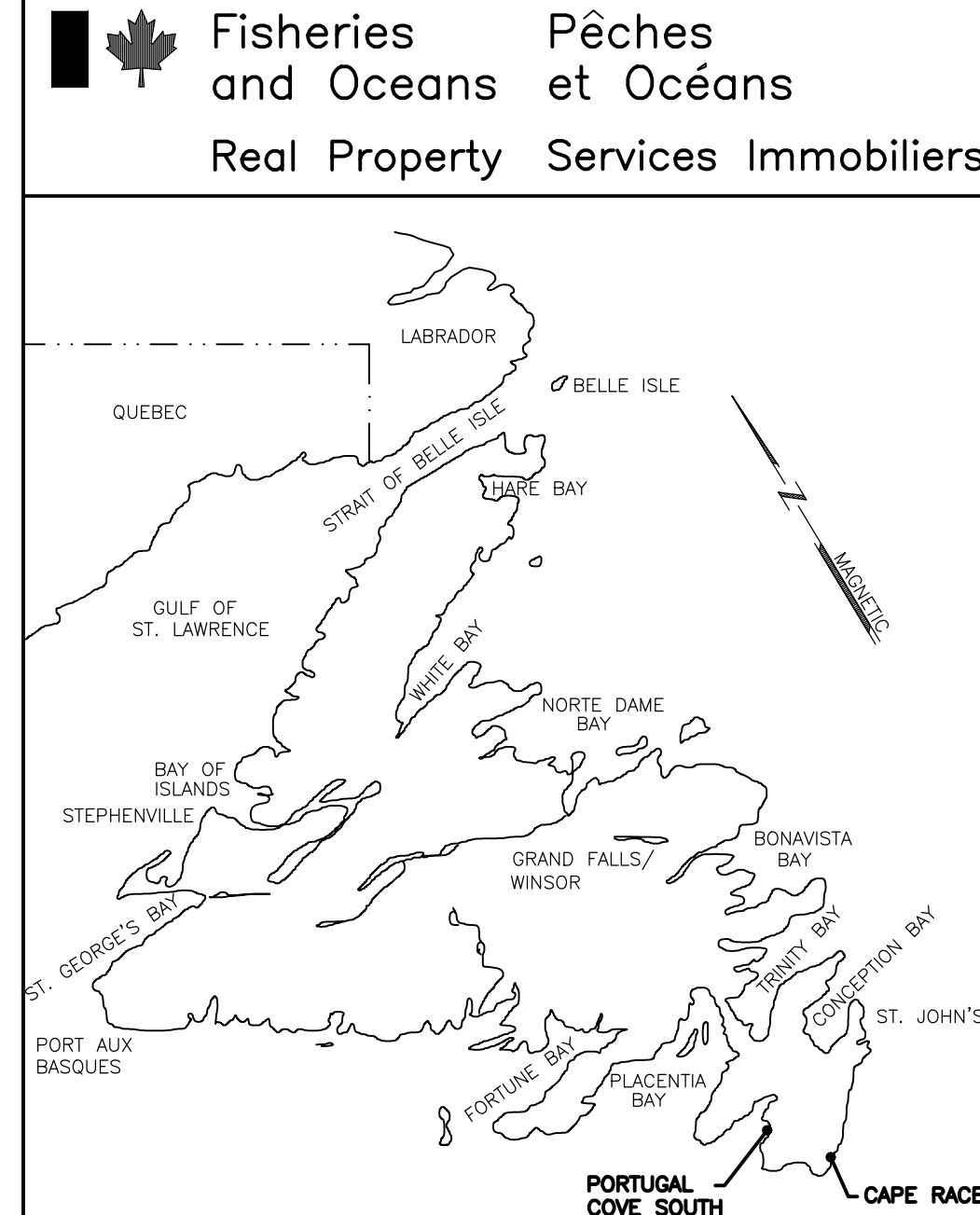
CULVERT LOCATIONS SHEET 1

drawn - dessiné	designed - dessiné par	
P. MARSH	K. GOODYEAR	
date - date	checked - vérifié	
JULY, 2015	S. SMITH	
scale - échelle	approved for tender - approuvé pour l'offre	
N.T.S.		
project no. - projet no.	drawing no. - no du dessin	sheet - feuille
F6879-154001	01K1101A053C2	C2



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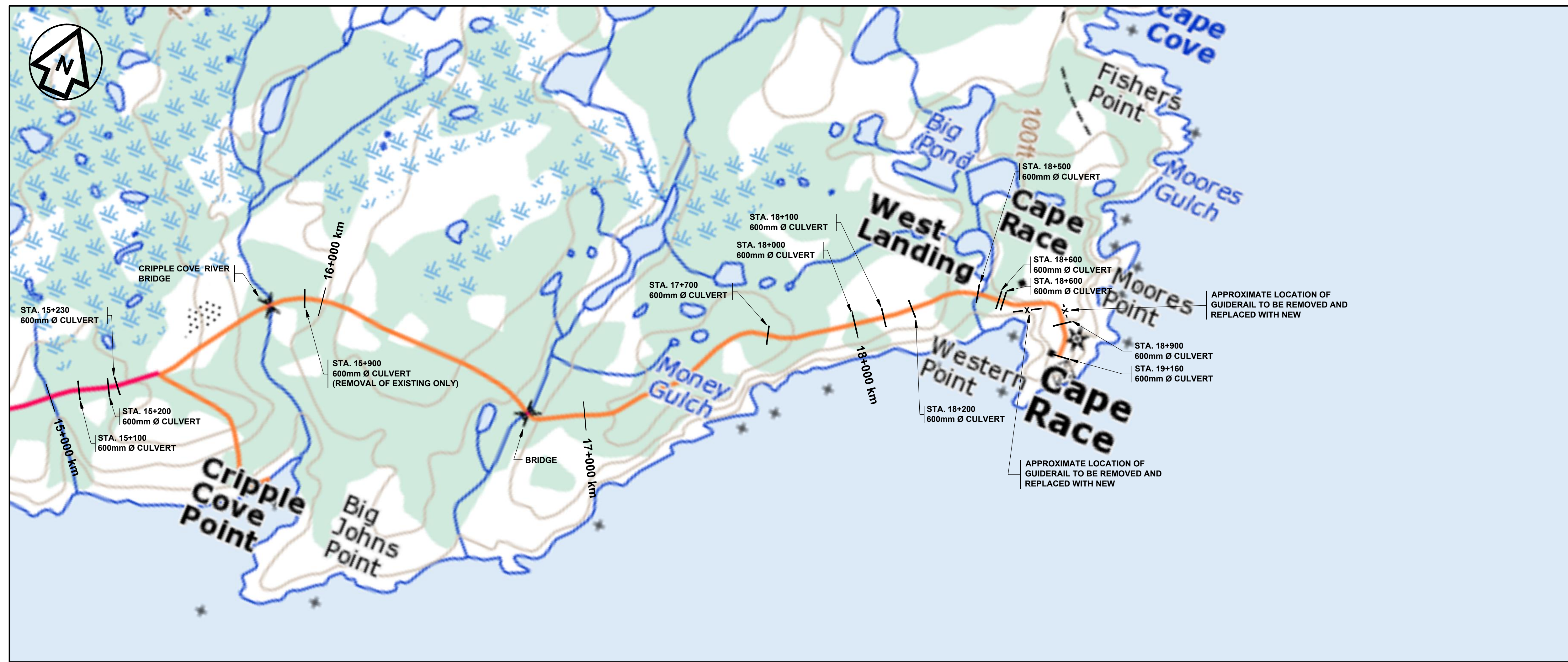
Consultant

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Project - projet

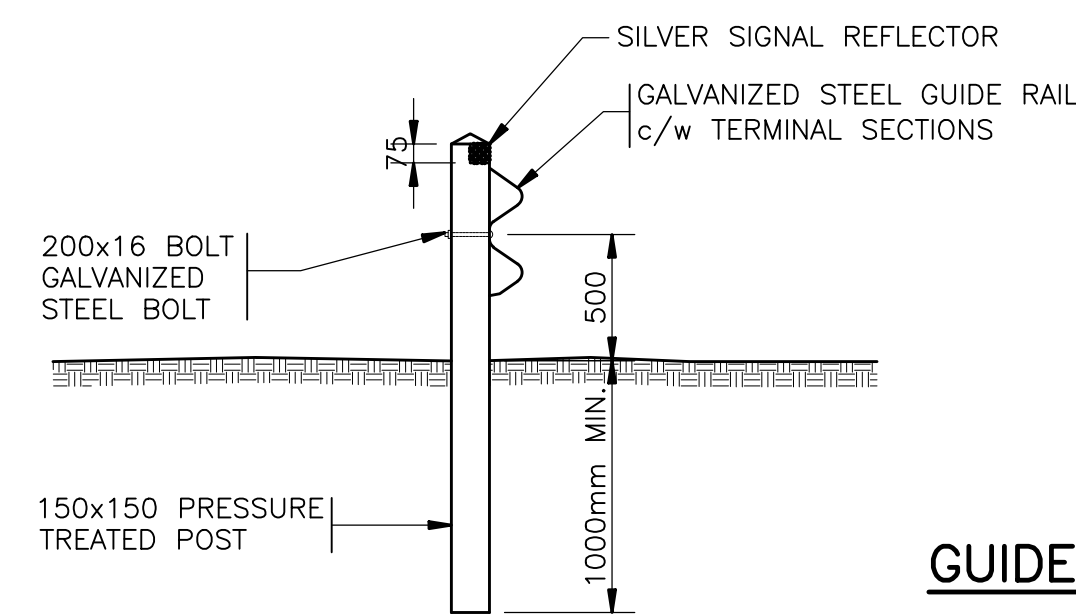
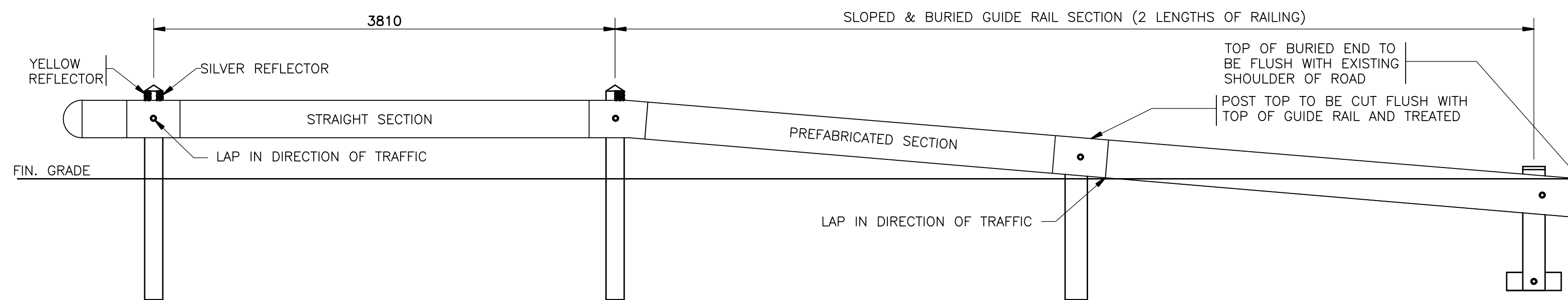
CULVERT REPLACEMENT AND MISCELLANEOUS WORK CAPE RACE ACCESS ROAD

Drawing - dessin

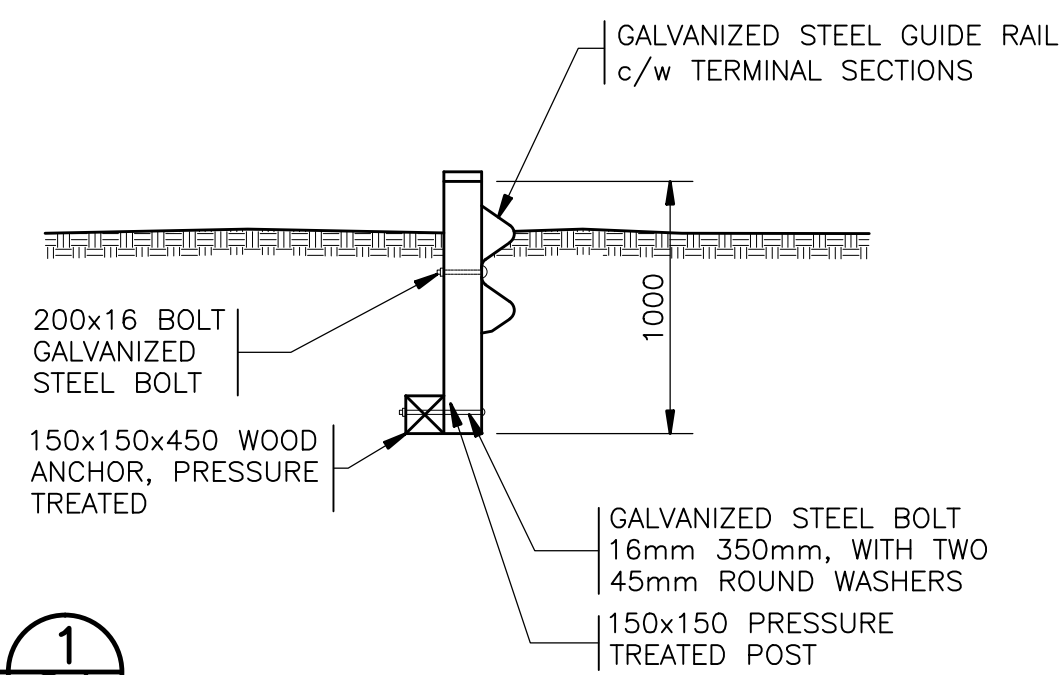
CULVERT LOCATIONS SHEET 2

drawn - dessine P. MARSH	designed - dessine par K. GOODYEAR
date - date JULY, 2015	checked - verifie S. SMITH
scale - echelle N.T.S.	approved for tender - approuve pour l'offre
project no. - projet no. F6879-154001	drawing no. - no du dessin 01K1101A053C3
	sheet - feuille C3

TERMINAL SECTION TO BE LAPPED
IN DIRECTION OF TRAFFIC



GUIDE RAIL DETAILS
SCALE : 1:30



1
C4

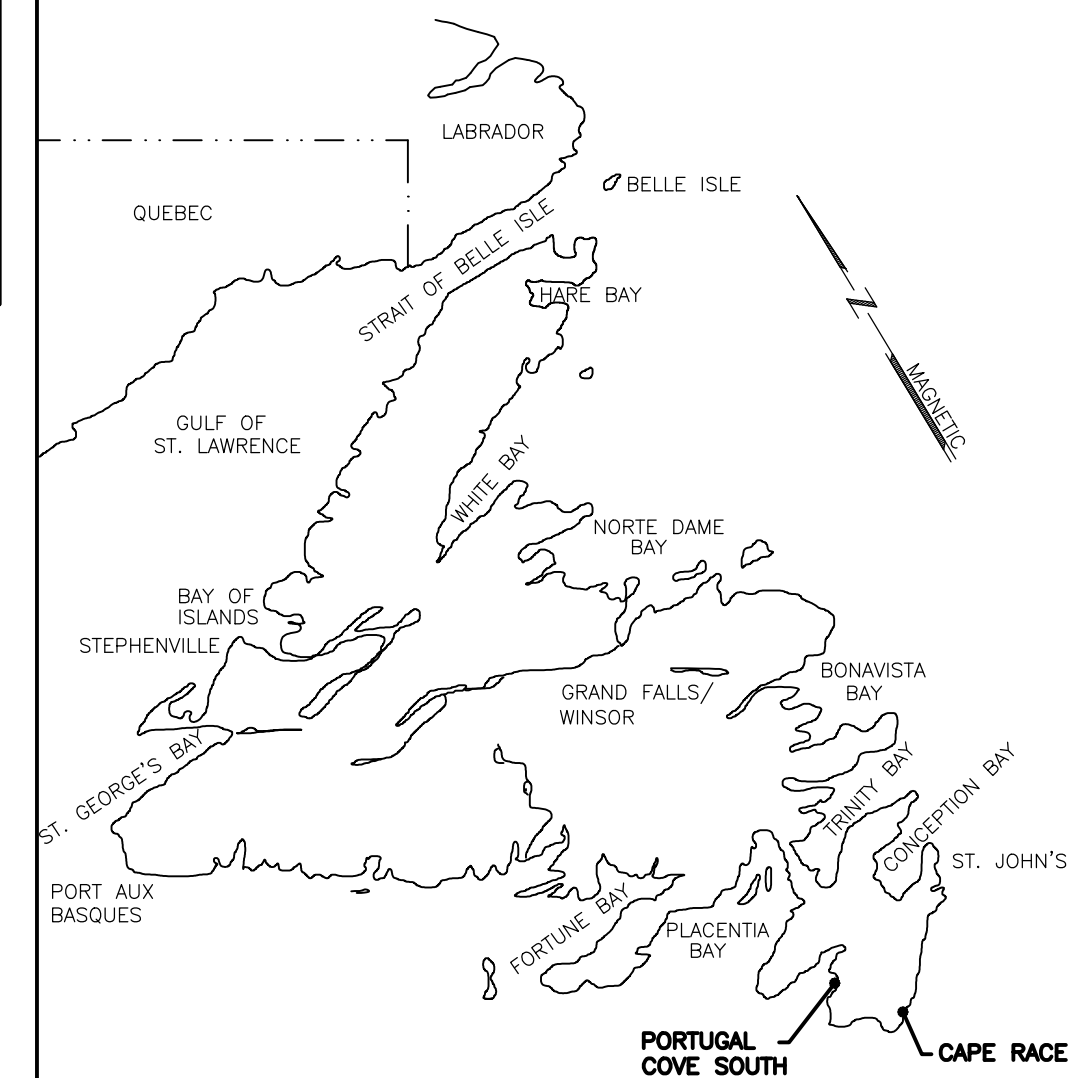
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Culvert Replacements

Station	Replacement Size(mm)	Length (m)
0+200	450	12
0+260	750	12
1+100	600	9
1+500	450	8
1+600	900	12
1+600	900	12
1+600	900	11
1+630	750	10
1+930	750	12
2+000	750	12
2+200	900	10
3+300	750	12
3+550 (Drook)	900	12
3+360 (Drook)	900	12
3+725	600	9
4+000	600	12
4+200	600	9
4+200	600	9
6+100	600	10
6+200	600	9
6+500	600	12
7+100	600	12
7+400	600	9
7+600	600	9
8+200	600	9
8+400	600	12
8+600	600	9
8+900	750	10
8+900	600	10
9+500	600	9
10+100	600	10
11+500	600	9
11+600	450	9
12+100	600	8
12+600	600	9
12+700	600	9
13+600	600	10
13+900	600	12
14+200	600	10
14+400	600	9
14+430	600	12
15+100	600	9
15+200	600	9
15+230	600	10
17+700	600	10
18+000	600	12
18+100	600	10
18+200	600	10
18+500	600	9
18+600	650	9
18+600	650	9
18+900	600	9
19+160	600	9

CULVERT REPLACEMENT
4
C4



KEY LOCATION PLAN

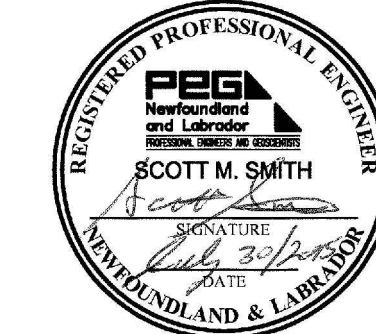
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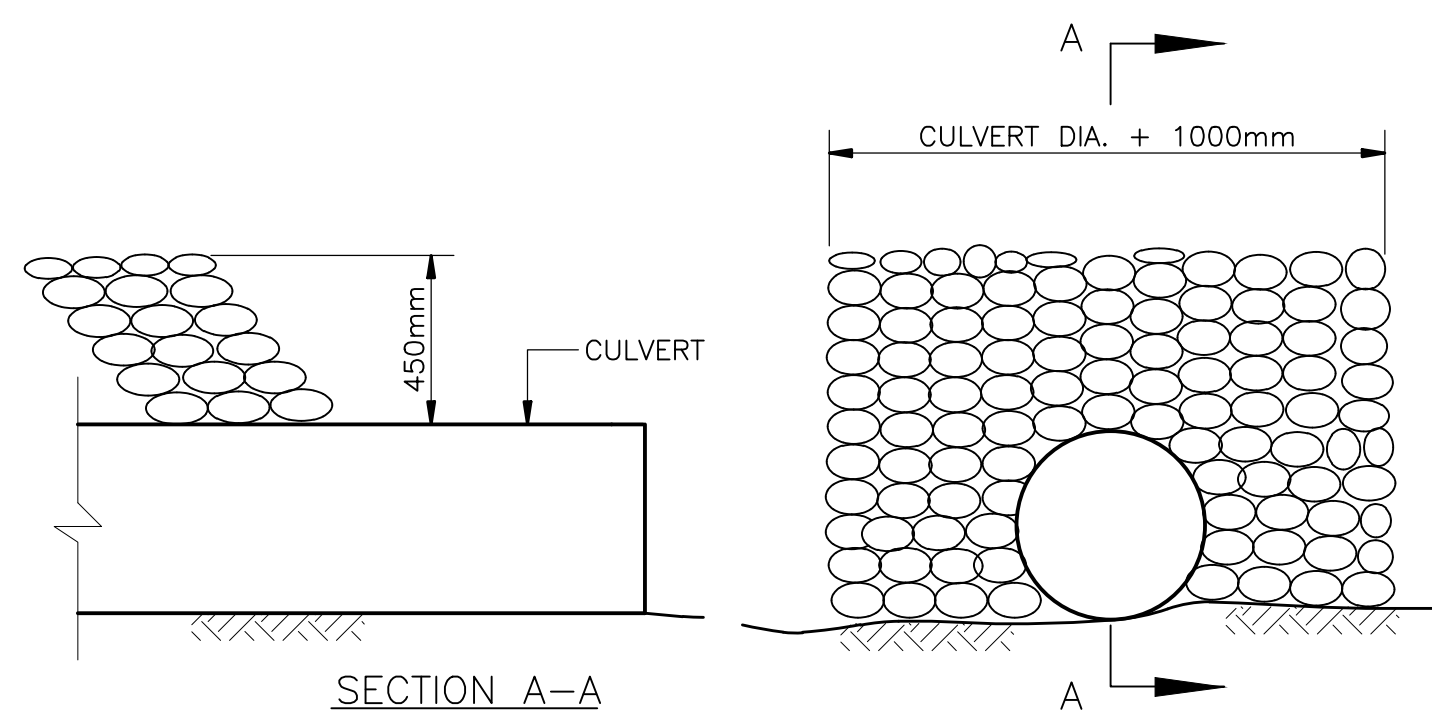
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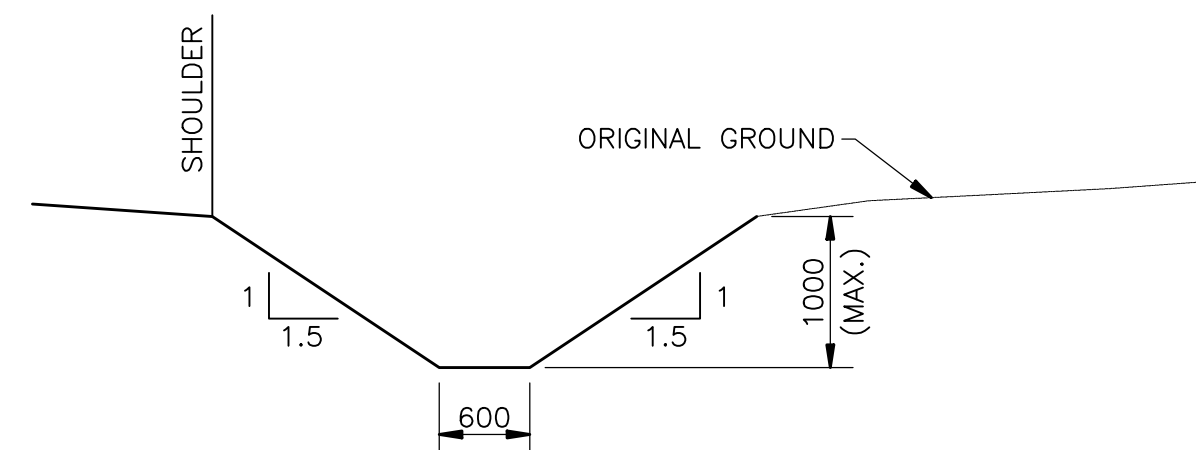


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RIP RAP DETAILS
SCALE: 1:50



NEW DITCH DETAIL
SCALE: 1:50

Ditching Requirements

Approximate Location	Road side location, Right or Left	Total Length
0+020-0+230	Left	210m
1+100	Right	20m
1+900	Left & Right	50m
2+700	Left & Right	150m
3+300	Right	25m
3+400	Right	25m
3+500	Left & Right	200m
4+000	Left & Right	30m
4+950 to 5+000	Left	50 m
12+100	Left & Right	30m
13+080 to 13+130	Left	50m
13+080	Right	20m
13+630 to 13+750	Left & Right	240 m
15+230	Right	20 m
15+770	Left & Right	80 m
16+000	Right	200m
17+100	Left	50 m
Misc. locations to be determined in the field		200m
Total Ditching		1700 meters

DITCHING REQUIREMENTS
5
C4

B	ISSUED FOR TENDER	07/30/15	M.L.	K.G.
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no.	revision	date	by	approved
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Project - projet

CULVERT REPLACEMENT AND MISCELLANEOUS WORK CAPE RACE ACCESS ROAD

Drawing - dessin

MISCELLANEOUS DETAILS

drawn - dessiné P. MARSH	designed - dessiné par K. GOODYEAR
date - date JULY, 2015	checked - vérifié S. SMITH
scale - échelle N.T.S.	approved for tender - approuvé pour l'offre
project no. - projet no. F6879-154001	drawing no. - no du dessin 01K1101A053C4

sheet - feuille
C4