

**Raytheon**  
**Canada Limited**

Suite 3000-400 COOPER STREET  
OTTAWA, ONTARIO K2P 2Y8  
TEL.: (613) 787-3630  
FAX.: (613) 787-3703



SK-C75/2-1535-601	COVER SHEET
SK-C75/2-1535-602	AREA #1 & 2 LOCATION PLAN
SK-C75/2-1535-603	AREA #3 & 6 LOCATION PLAN
SK-C75/2-1535-604	AREA #1A DETAILS
SK-C75/2-1535-605	AREA #1B DETAILS
SK-C75/2-1535-606	AREA #2 DETAILS
SK-C75/2-1535-607	AREA #3 - 6 DETAILS
SK-C75/2-1535-608	AREA #4 & 5 DETAILS
SK-C75/2-1535-609	AREA #1A GABION & RIP-RAP DETAILS
SK-C75/2-1535-610	AREA #1B GABION & RIP-RAP DETAILS
SK-C75/2-1535-611	AREA #2 GABION & RIP-RAP DETAILS
SK-C75/2-1535-612	AREA #3 - 6 RIP-RAP DETAILS
SK-C75/2-1535-613	TYPICAL TEMPORARY WATER DIVERSION DETAILS FOR AREAS 1A, 1B & 2

DYE-M | CAPE DYER | NUNAVUT  
ISSUED FOR CONSTRUCTION

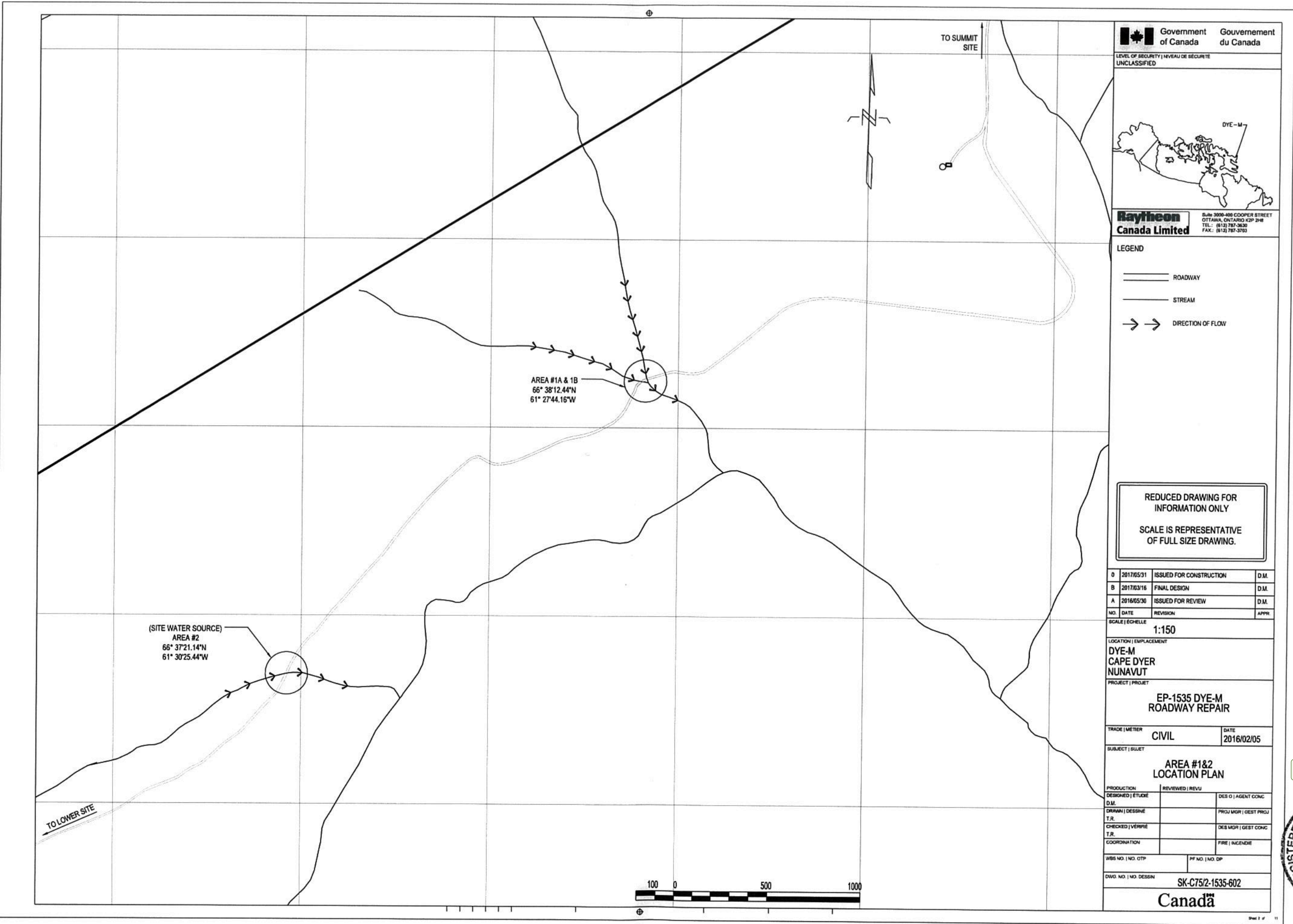
Government of Canada  
Gouvernement du Canada

UNCLASSIFIED | NON CLASSIFIÉ

Canada

DATE: 11/05/2010 09:21:53 AM (rev 0) dmp





APPROVED  
By Brian Smit at 7:54 am, May 21, 2019





**Raytheon**  
Canada Limited

Suite 3009-400 COOPER STREET  
OTTAWA, ONTARIO K2P 2H8  
TEL.: (613) 787-3630  
FAX: (613) 787-3793

LEGEND

- ROADWAY  
STREAM  
DIRECTION OF FLOW

REDUCED DRAWING FOR  
INFORMATION ONLY  
SCALE IS REPRESENTATIVE  
OF FULL SIZE DRAWING.

0	2017/05/31	ISSUED FOR CONSTRUCTION	D.M.
B	2017/03/16	FINAL DESIGN	D.M.
A	2016/05/30	ISSUED FOR REVIEW	D.M.
NO	DATE	REVISION	APPR.

SCALE | ÉCHELLE  
1:100

LOCATION | EMPLACEMENT  
DYE-M  
CAPE DYER  
NUNAVUT

PROJECT | PROJET  
EP-1535 DYE-M ROADWAY  
REPAIR

TRADE | MÉTIER  
CIVIL  
DATE  
2016/02/05

SUBJECT | SUJET  
AREA #3-6  
LOCATION PLAN

DESIGNED   ÉTUDE	REVIEWED   REVU	DES O   AGENT CONC.
D.M.		
DRAWN   DESSINÉ		PROJ MGR   GEST PROJ
T.R.		
CHECKED   VÉRIFIÉ		DES MGR   GEST CONC
T.R.		
COORDINATION		FIRE   INCENDIE

WBS NO. | NO. OTP  
PF NO. | NO. DP

DWG. NO. | NO. DESSIN  
SK-C75/2-1535-603

Canada

APPROVED  
By Brian Smit at 7:54 am, May 21, 2019



APPROXIMATE GRAVEL  
STOCK PILE LOCATION  
(TYPE 2 & RIP-RAP)

APPROXIMATE GRAVEL  
STOCK PILE LOCATION  
(TYPE 7)

EXETER BAY

AREA #3  
66° 35'38.28"N  
61° 37'42.00"W

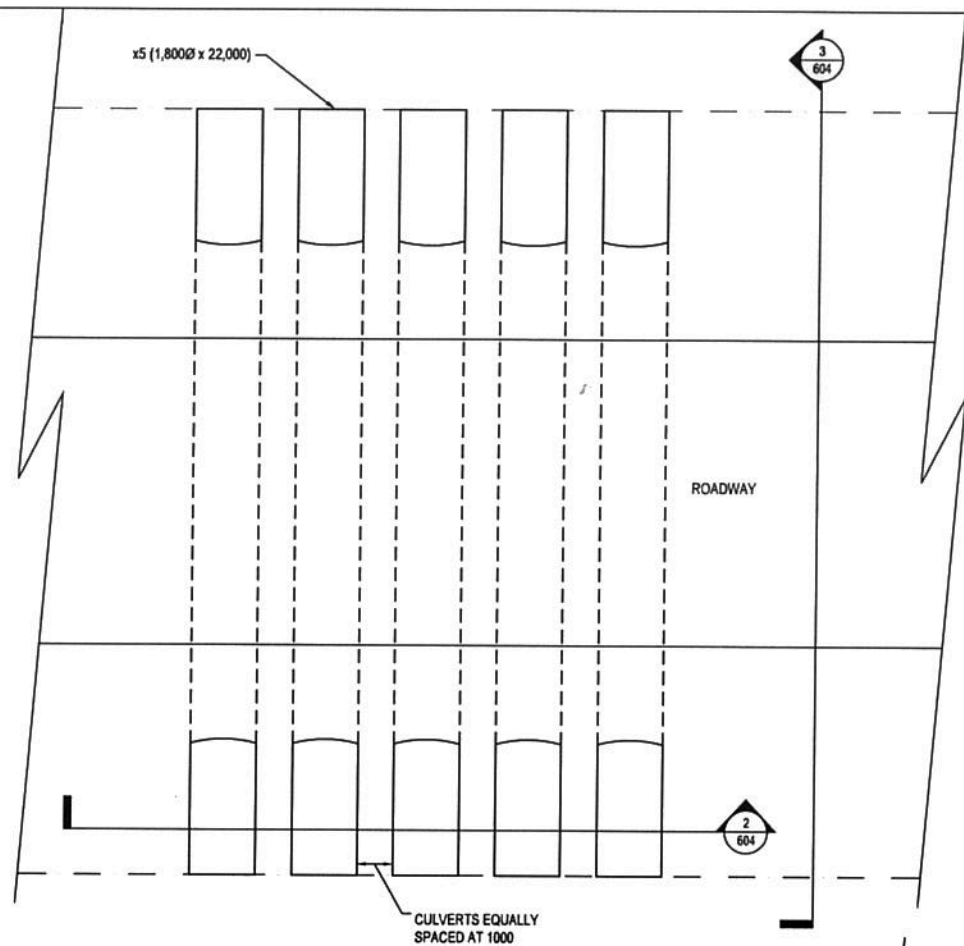
AREA #6  
66° 35'33.36"N  
61° 38'11.35"W

AREA #5  
66° 35'28.01"N  
61° 37'57.50"W

AREA #4  
66° 35'31.56"N  
61° 37'39.64"W

100 50 0 500m

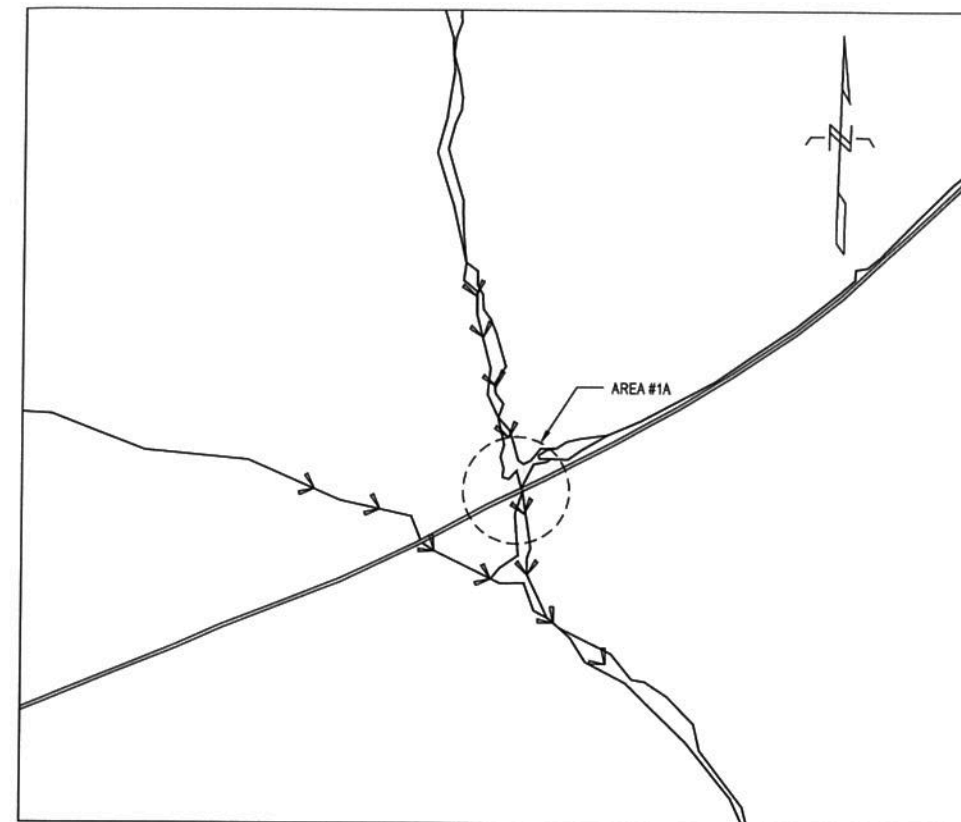




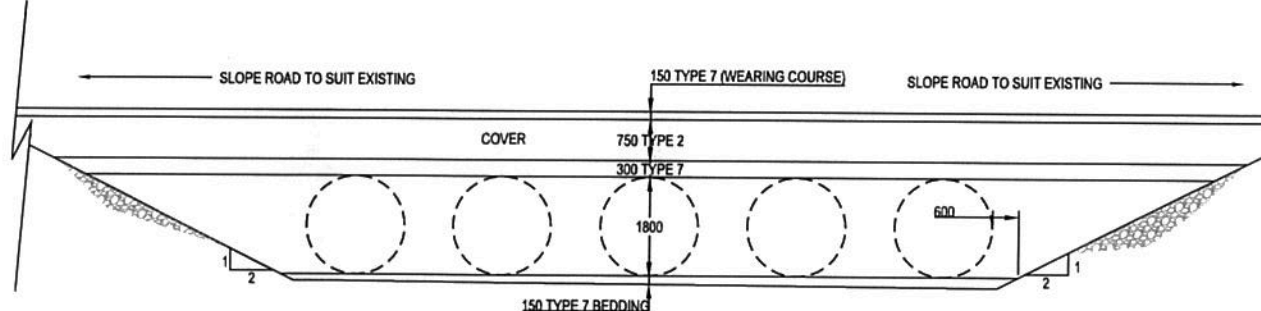
1  
604  
AREA #1A CULVERT REPLACEMENT - PLAN  
SCALE: 1/32

NOTES:

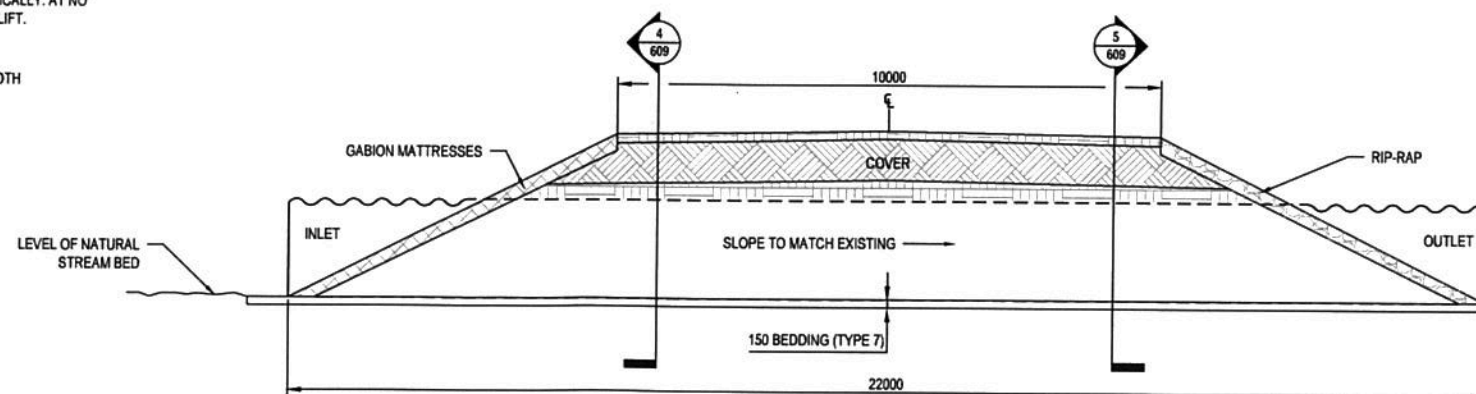
1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED
2. ENSURE THE BOTTOM OF PIPE IS IN CONTACT WITH SHAPED BED OR COMPACTED FILL THROUGHOUT ITS LENGTH.
3. EACH PIPE SECTION SHALL BE INSTALLED NEXT TO THE PREVIOUS SECTION SUCH THAT THE LOCKSEAM FORMS A CONTINUOUS HELIX.
4. PIPE SHALL BE BACKFILLED AND COMPACTED IN 150mm LIFTS. EACH SIDE OF THE PIPE SHALL BE BACKFILLED SIMULTANEOUSLY SO AS NOT TO DISPLACE THE PIPE LATERALLY OR VERTICALLY. AT NO TIME SHALL THE LEVELS ON EACH SIDE DIFFER MORE THAN 150mm OF UNCOMPACTED LIFT. CAN/CSA-G401, CORRUGATED STEEL PIPE PRODUCTS.
5. ROAD SURFACE TO BE 2% CROSS FALL FROM C/O OF ROADWAY
6. TOP SURFACE OF NEWLY REBUILT ROAD TO BE GRADED IN A WAY TO ALLOW FOR SMOOTH TRANSITION INTO EXISTING, TO THE SATISFACTION OF THE RCL REPRESENTATIVE.



AREA OF WORK #1A SCALE NTS  
APPROXIMATELY: 66° 38' 12.44" N 61° 27' 44.16" W



2  
604  
AREA #1A - SECTION  
SCALE: 1/32



3  
604  
AREA #1A - SECTION  
SCALE: 1/32

Government of Canada  
Gouvernement du Canada

LEVEL OF SECURITY / NIVEAU DE SÉCURITÉ  
UNCLASSIFIED

DYE-M

**Raytheon**  
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Suite 3000-400 COOPER STREET  
OTTAWA, ONTARIO K2P 2H8  
TEL.: (613) 737-3630  
FAX: (613) 737-3783

LEGEND:

- TYPE 2 FILL
- TYPE 7 FILL
- GABION MATTRESS
- RIP-RAP
- EXISTING GRAVEL ROAD
- TOE OF SLOPE
- ROADWAY
- STREAM
- DIRECTION OF FLOW

REDUCED DRAWING FOR INFORMATION ONLY  
SCALE IS REPRESENTATIVE OF FULL SIZE DRAWING.

8	2017/05/31	ISSUED FOR CONSTRUCTION	D.M.
8	2017/03/16	FINAL DESIGN	D.M.
A	2016/05/30	ISSUED FOR REVIEW	D.M.
NO	DATE	REVISION	APPR.

SCALE / ÉCHELLE  
AS INDICATED

LOCATION / EMPLACEMENT  
DYE-M  
CAPE DYER  
NUNAVUT

PROJECT / PROJET  
EP-1535 DYE-M ROADWAY REPAIR

TRADE / MÉTIER CIVIL	DATE 2016/02/05
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SUBJECT / SUJET  
AREA #1A DETAILS

PRODUCTION DESIGNED / ÉTUDE D.M.	REVIEWED / REVU DES G / AGENT CONC.
DRAWN / Dessiné T.R.	PROJ. MGR / GEST. PROJ.
CHECKED / VÉRIFIÉ T.R.	DES. MGR / GEST. CONC.
COORDINATION	FIRE / INCENDIE

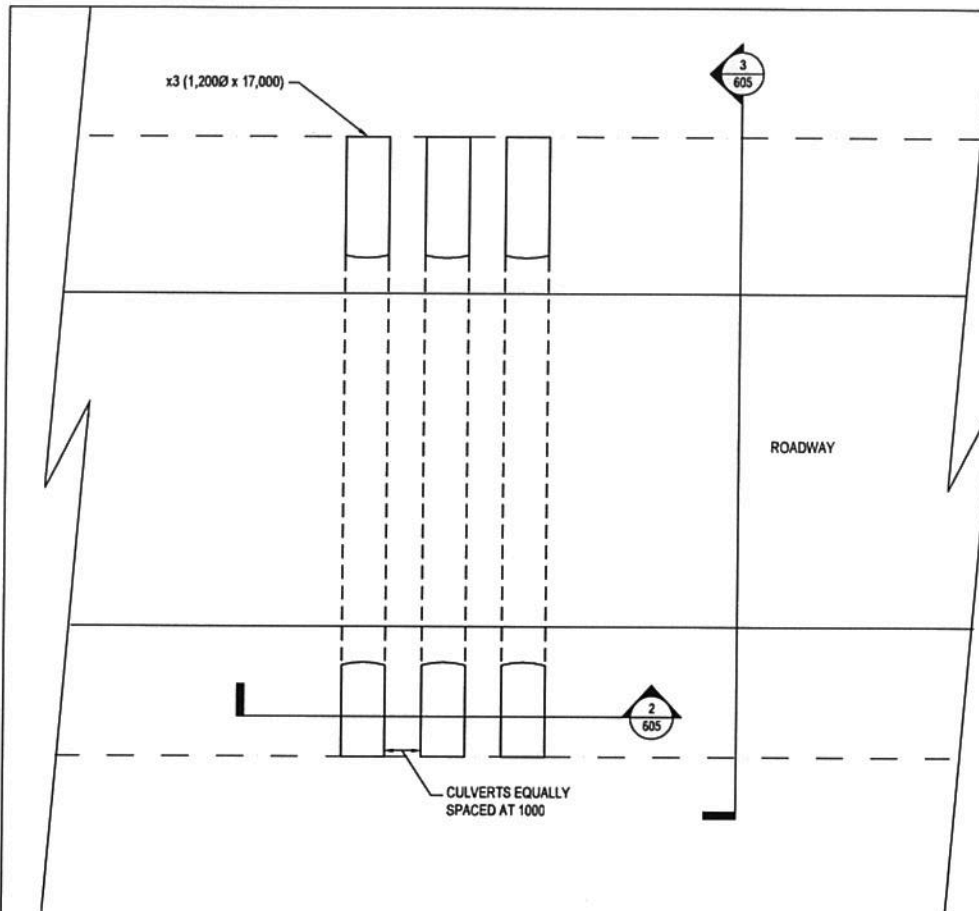
WBS NO. / NO. O.T.P.	PF NO. / NO. DP.
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DWG. NO. / NO. DESSIN  
SK-C75/2-1535-604

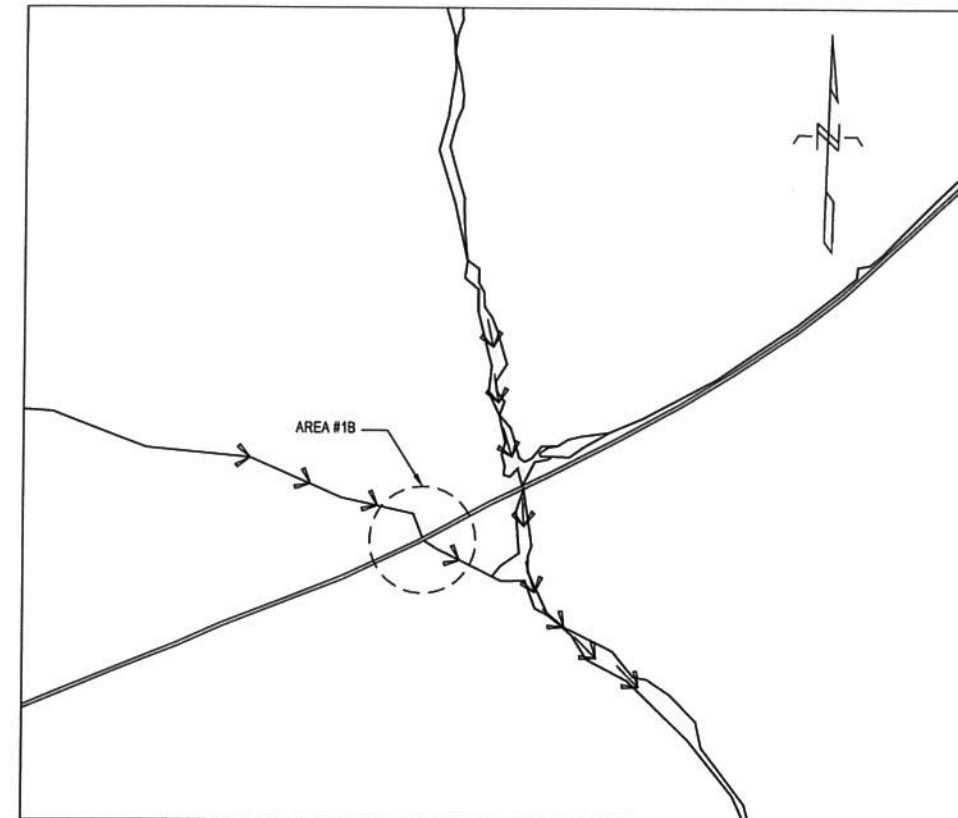
Canada

APPROVED  
By Brian Smit at 7:54 am, May 21, 2019

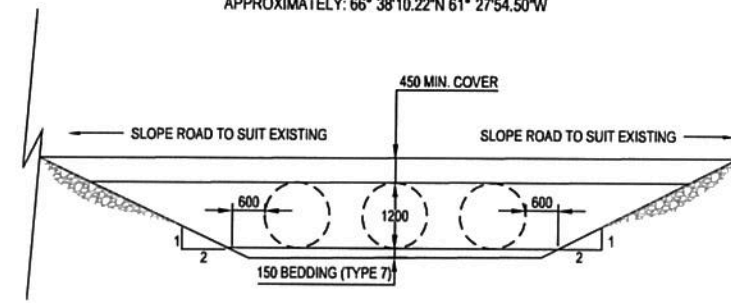




1 AREA #1B CULVERT REPLACEMENT - PLAN  
SCALE: 1/75

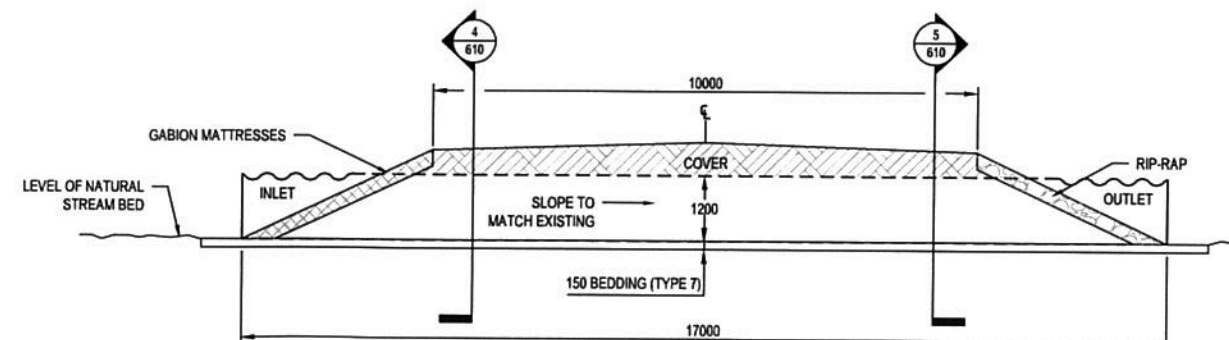


AREA OF WORK #1B SCALE NTS  
APPROXIMATELY: 66° 38' 10.22"N 61° 27' 54.50"W



2 AREA #1B - SECTION  
SCALE: 1/50

- NOTES:
1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED
  2. ENSURE THE BOTTOM OF PIPE IS IN CONTACT WITH SHAPED BED OR COMPACTED FILL THROUGHOUT ITS LENGTH.
  3. EACH PIPE SECTION SHALL BE INSTALLED NEXT TO THE PREVIOUS SECTION SUCH THAT THE LOCKSEAM FORMS A CONTINUOUS HELIX.
  4. PIPE SHALL BE BACKFILLED AND COMPACTED IN 150mm LIFTS. EACH SIDE OF THE PIPE SHALL BE BACKFILLED SIMULTANEOUSLY SO AS NOT TO DISPLACE THE PIPE Laterally OR VERTICALLY. AT NO TIME SHALL THE LEVELS ON EACH SIDE DIFFER MORE THAN 150mm OF UNCOMPACTED LIFT.
  5. CAN/CSA-G401, CORRUGATED STEEL PIPE PRODUCTS.
  6. ROAD SURFACE TO BE 2% CROSS FALL FROM ½ OF ROADWAY.
  7. TOP SURFACE OF NEWLY REBUILT ROAD TO BE GRADED IN A WAY TO ALLOW FOR SMOOTH TRANSITION INTO EXISTING, TO THE SATISFACTION OF THE RCL REPRESENTATIVE



3 AREA #1B - SECTION  
SCALE: 1/50



LEGEND:

- TYPE 2 FILL
- TYPE 7 FILL
- GABION MATTRESS
- RIE-RAP
- EXISTING GRAVEL ROAD
- TOE OF SLOPE
- ROADWAY
- STREAM
- DIRECTION OF FLOW

REDUCED DRAWING FOR INFORMATION ONLY  
SCALE IS REPRESENTATIVE OF FULL SIZE DRAWING.

0	2017/05/31	ISSUED FOR CONSTRUCTION	D.M.
B	2017/03/16	FINAL DESIGN	D.M.
A	2016/05/30	ISSUED FOR REVIEW	D.M.
NO.	DATE	REVISION	APPR.

SCALE / ÉCHELLE  
AS INDICATED

LOCATION / EMPLACEMENT

DYE-M  
CAPE DYER  
NUNAVUT

PROJECT / PROJET

EP-1535 DYE-M  
ROADWAY REPAIR

TRADE / MÉTIER  
CIVIL

DATE  
2016/02/05

SUBJECT / SUJET

AREA #1B DETAILS

DESIGNED / ÉTUDE	REVIEWED / REVU	DES O / AGENT CONC.
D.M.		
DRAWN / DÉSSINÉ		PROJ MGR / GEST PROJ
T.R.		
CHECKED / VÉRIFIÉ		DES MGR / GEST CONC.
T.R.		
COORDINATION		FIRE / INCENDIE
WBS NO. / NO. O.T.P.		PF NO. / NO. DP.

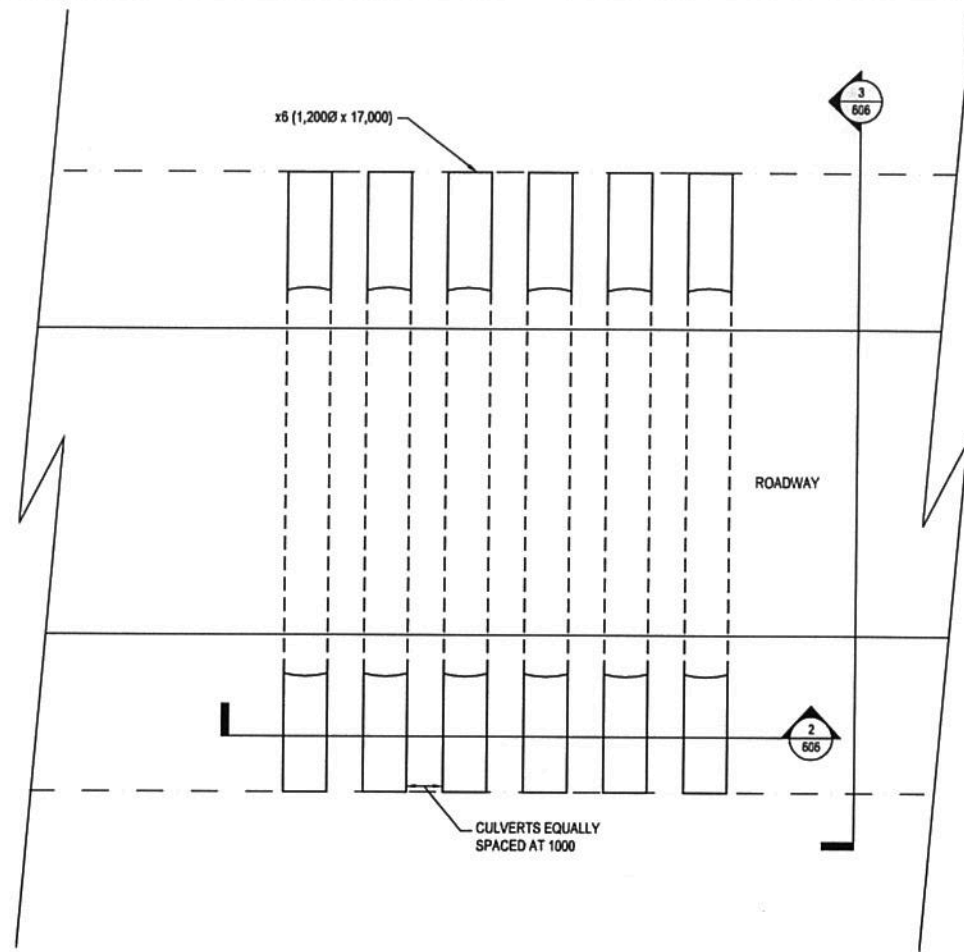
DWG. NO. / NO. DESSIN  
SK-C75/2-1535-605

Canada

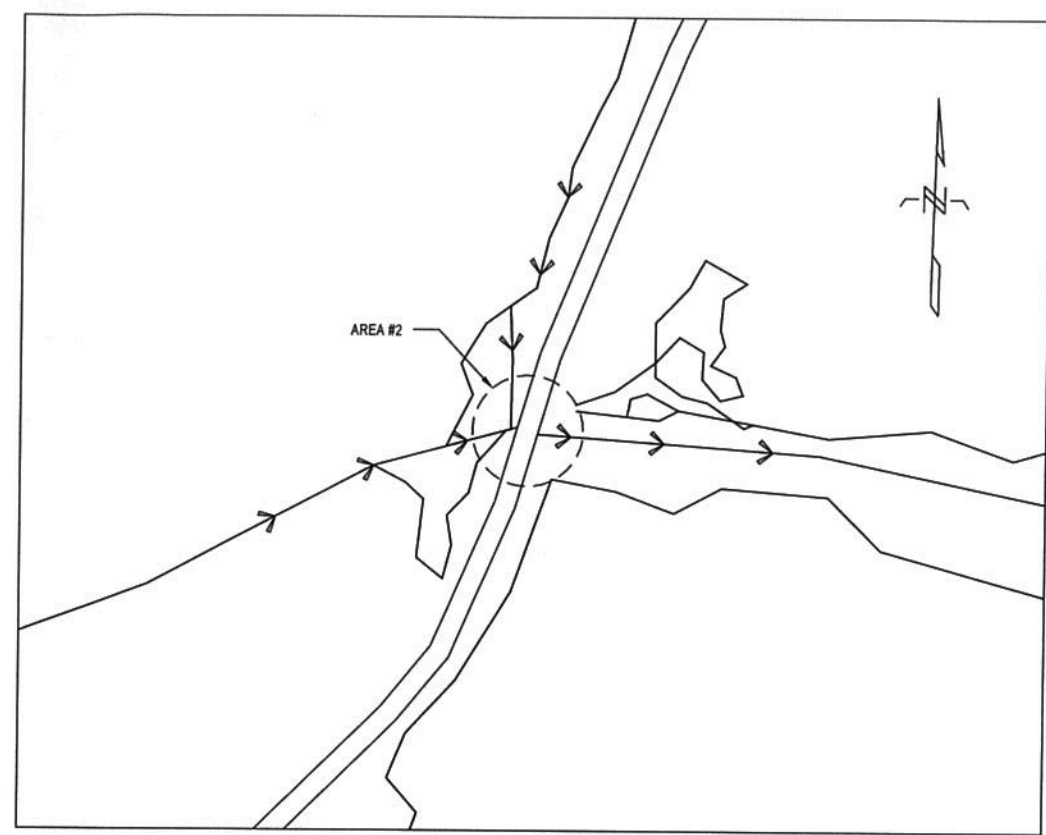
APPROVED  
By Brian Smit at 7:54 am, May 21, 2019



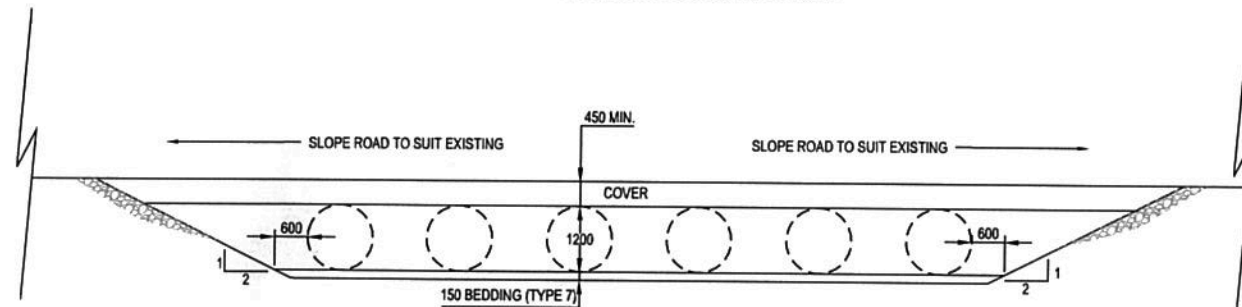




1 AREA #2 CULVERT REPLACEMENT - PLAN  
SCALE: 1:75



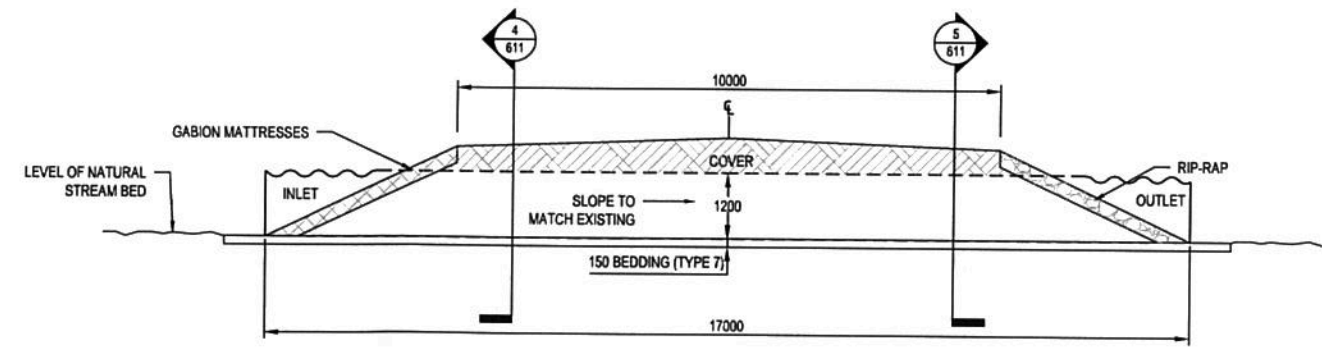
AREA OF WORK #2 SCALE NTS  
APPROXIMATELY: 66° 37'21.14"N 61° 30'25.44"W



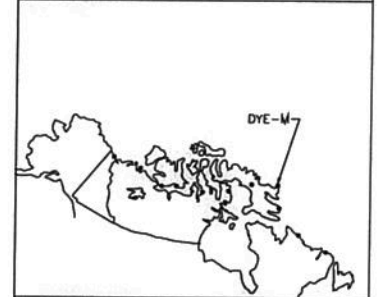
2 AREA #2 - SECTION  
SCALE: 1:30

NOTES:

1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED
2. ENSURE THE BOTTOM OF PIPE IS IN CONTACT WITH SHAPED BED OR COMPACTED FILL THROUGHOUT ITS LENGTH.
3. EACH PIPE SECTION SHALL BE INSTALLED NEXT TO THE PREVIOUS SECTION SUCH THAT THE LOCKSEAM FORMS A CONTINUOUS HELIX.
4. PIPE SHALL BE BACKFILLED AND COMPACTED IN 150mm LIFTS. EACH SIDE OF THE PIPE SHALL BE BACKFILLED SIMULTANEOUSLY SO AS NOT TO DISPLACE THE PIPE LATERALLY OR VERTICALLY. AT NO TIME SHALL THE LEVELS ON EACH SIDE DIFFER MORE THAN 150mm OF UNCOMPACTED LIFT. CAN/CSA-G401, CORRUGATED STEEL PIPE PRODUCTS.
5. ROAD SURFACE TO BE 2% CROSS FALL FROM C/L OF ROADWAY.
6. TOP SURFACE OF NEWLY REBUILT ROAD TO BE GRADED IN A WAY TO ALLOW FOR SMOOTH TRANSITION INTO EXISTING, TO THE SATISFACTION OF THE RCL REPRESENTATIVE



3 AREA #2 - SECTION  
SCALE: 1:30



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OTTAWA, ONTARIO K2P 2W8  
TEL.: (613) 787-3630  
FAX.: (613) 787-3703

- LEGEND:
- TYPE 2 FILL
  - TYPE 7 FILL
  - GABION MATTRESS
  - RIP-RAP
  - EXISTING GRAVEL ROAD
  - TOE OF SLOPE
  - ROADWAY
  - STREAM
  - DIRECTION OF FLOW

REDUCED DRAWING FOR INFORMATION ONLY  
SCALE IS REPRESENTATIVE OF FULL SIZE DRAWING.

0	2017/05/31	ISSUED FOR CONSTRUCTION	D.M.
B	2017/03/16	FINAL DESIGN	D.M.
A	2016/05/30	ISSUED FOR REVIEW	D.M.
NO.	DATE	REVISION	APPR.
SCALE / ÉCHELLE AS INDICATED			

LOCATION / EMPLACEMENT  
DYE-M  
CAPE DYER  
NUNAVUT

PROJECT / PROJET  
EP-1535 DYE-M ROADWAY REPAIR

TRADE / MÉTIER  
CIVIL  
DATE  
2016/02/05

SUBJECT / SUJET  
AREA #2 DETAILS

DESIGNED / ÉTUDE D.M.	REVIEWED / REVU DES O / AGENT CONC
DRAWN / DESSIN T.R.	PROJ MGR / GEST PROJ
CHECKED / VÉRIFIÉ T.R.	DES MGR / GEST CONC
COORDINATION	FIRE / INCENDIE

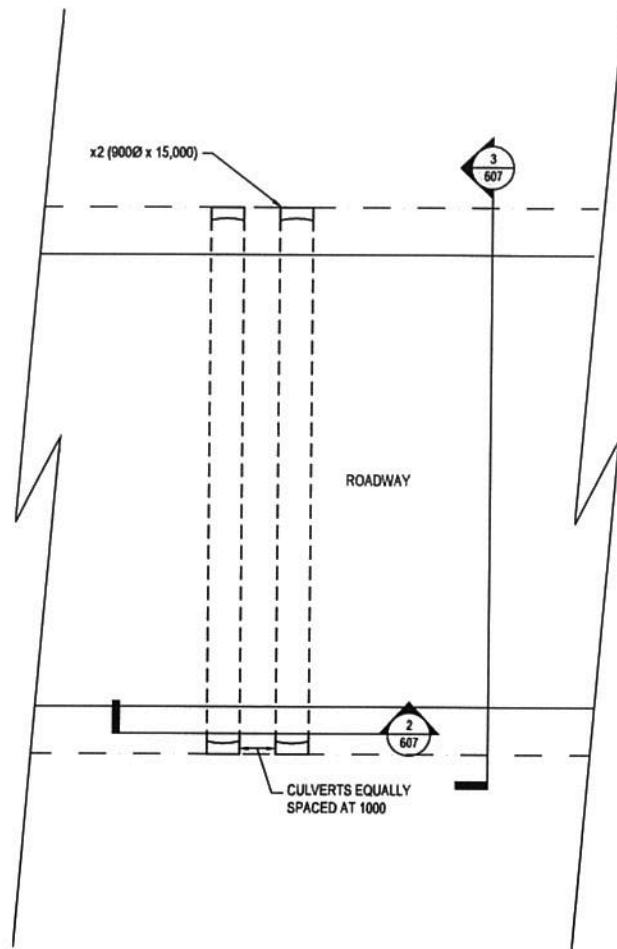
WBS NO. / NO. GTP  
PF NO. / NO. DP

DAWG. NO. / NO. DESSIN  
SK-C75/2-1535-606

Canada

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By Brian Smit at 7:54 am, May 21, 2019

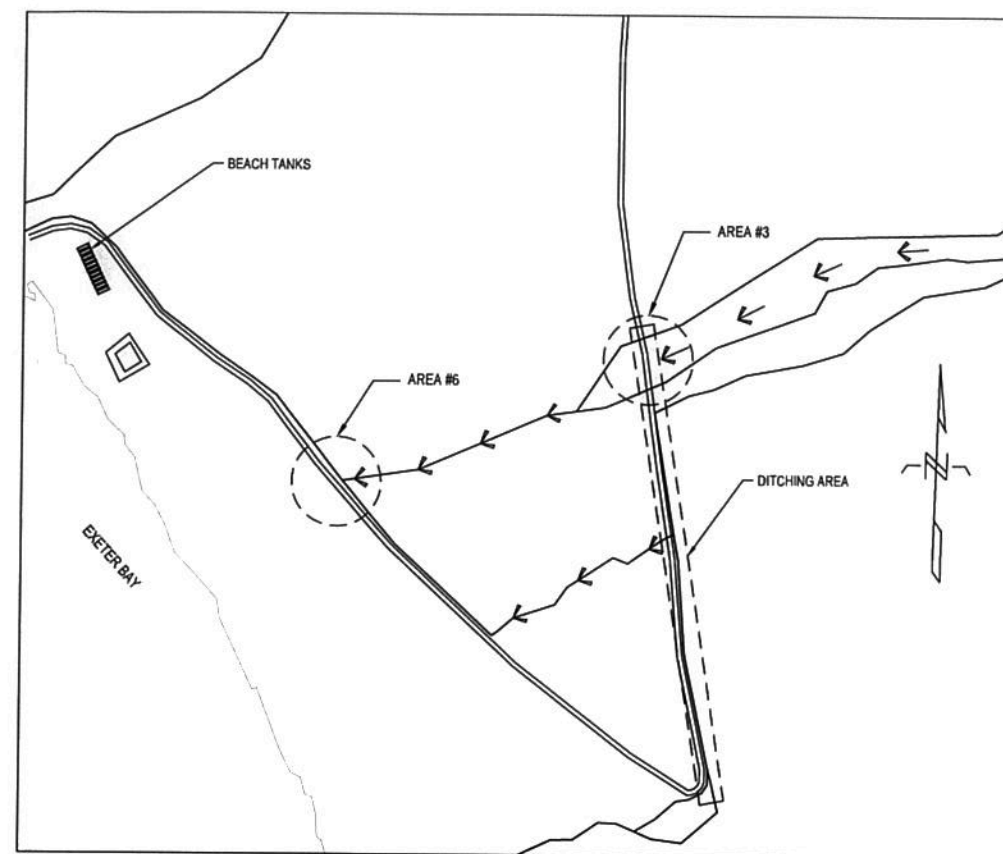




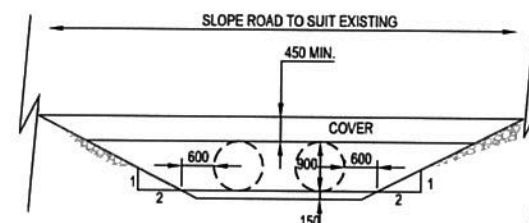
1 AREA #3 & 6 NEW CULVERT - PLAN  
SCALE: 1/3

NOTES:

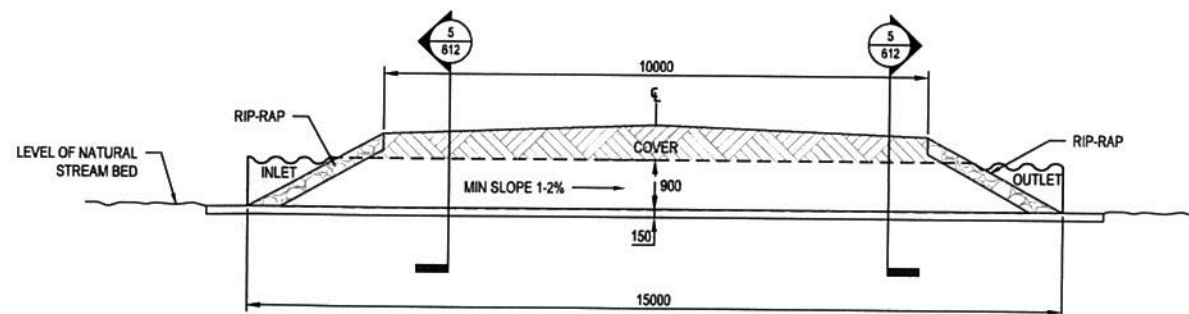
1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED
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3. EACH PIPE SECTION SHALL BE INSTALLED NEXT TO THE PREVIOUS SECTION SUCH THAT THE LOCKSEAM FORMS A CONTINUOUS HELIX.
4. PIPE SHALL BE BACKFILLED AND COMPACTED IN 150mm LIFTS. EACH SIDE OF THE PIPE SHALL BE BACKFILLED SIMULTANEOUSLY SO AS NOT TO DISPLACE THE PIPE Laterally OR VERTICALLY. AT NO TIME SHALL THE LEVELS ON EACH SIDE DIFFER MORE THAN 150mm OF UNCOMPACTED LIFT.
5. CAN/CSA-G401, CORRUGATED STEEL PIPE PRODUCTS.
6. ROAD SURFACE TO BE 2% CROSS FALL FROM  $\frac{1}{2}$  OF ROADWAY.
7. TOP SURFACE OF NEWLY REBUILT ROAD TO BE GRADED IN A WAY TO ALLOW FOR SMOOTH TRANSITION INTO EXISTING, TO THE SATISFACTION OF THE RCL REPRESENTATIVE
8. CONTRACTOR TO CLEAN-UP DITCH FROM AREA #3 (INLET SIDE) DOWN TO SWITCHBACK AREA TO THE SATISFACTION OF THE RCL REPRESENTATIVE.



AREA OF WORK #3&6 SCALE NTS  
AREA #3 APPROXIMATELY: 66° 35'38.28"N 61° 37'42.00"W  
AREA #6 APPROXIMATELY: 66° 35'33.36"N 61° 38'11.35"W



2 AREA #3&6 - SECTION  
SCALE: 1/3



3 AREA #3&6 - SECTION  
SCALE: 1/3

Government of Canada  
Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ  
UNCLASSIFIED

DYE-M

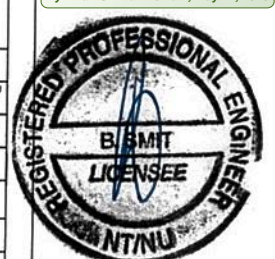
**Raytheon Canada Limited**  
Suite 3000-400 COOPER STREET  
OTTAWA, ONTARIO K2P 2H8  
TEL.: (613) 787-3630  
FAX.: (613) 787-3703

LEGEND:  
 TYPE 2 FILL  
 TYPE 7 FILL  
 GABION MATTRESS  
 RIP-RAP  
 EXISTING GRAVEL ROAD  
 TOE OF SLOPE  
 ROADWAY  
 STREAM  
 DIRECTION OF FLOW

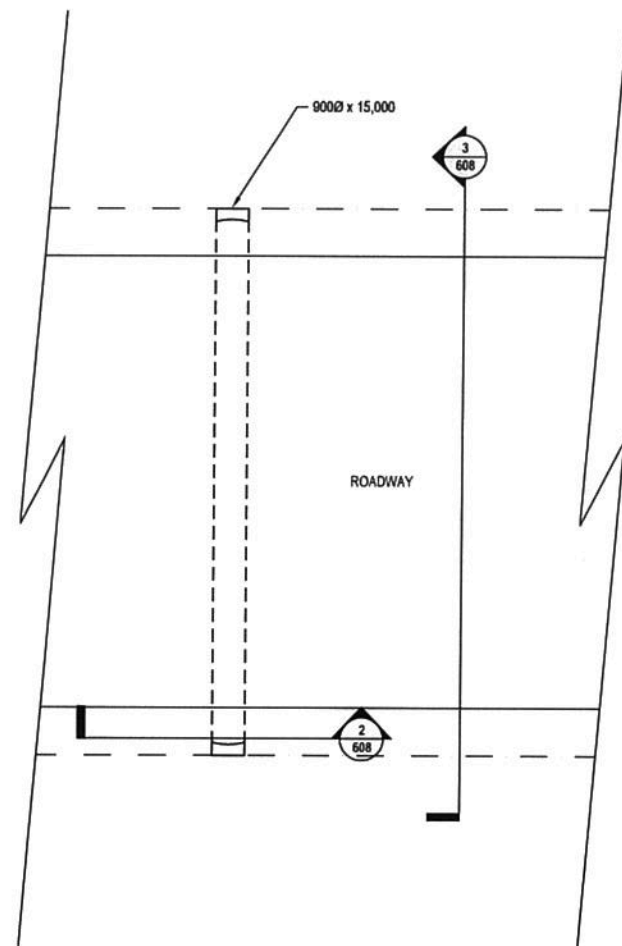
REDUCED DRAWING FOR INFORMATION ONLY  
SCALE IS REPRESENTATIVE OF FULL SIZE DRAWING.

0	2017/05/31	ISSUED FOR CONSTRUCTION	D.M.
B	2017/03/16	FINAL DESIGN	D.M.
A	2016/05/30	ISSUED FOR REVIEW	D.M.
NO.	DATE	REVISION	APPR.
SCALE   ÉCHELLE AS INDICATED			
LOCATION   EMPLACEMENT DYE-M CAPE DYER NUNAVUT			
PROJECT   PROJET EP-1535 DYE-M ROADWAY REPAIR			
TRADE   MÉTIER CIVIL		DATE 2016/02/05	
SUBJECT   SUJET AREA #3 & 6 DETAILS			
DESIGNED   ÉTUDE D.M.		DES O   AGENT CONC.	
DRAWN   Dessine T.R.		PROJ MGR   GEST PROJ	
CHECKED   VÉRIFIÉ T.R.		DES MGR   GEST CONC.	
COORDINATION		FIRE   INCENDIE	
WBS NO.   NO. OTP		PF NO.   NO. DP	
DWG. NO.   NO. DESSIN SK-C75/2-1535-607			
Canada			

APPROVED  
By Brian Smit at 7:54 am, May 21, 2019

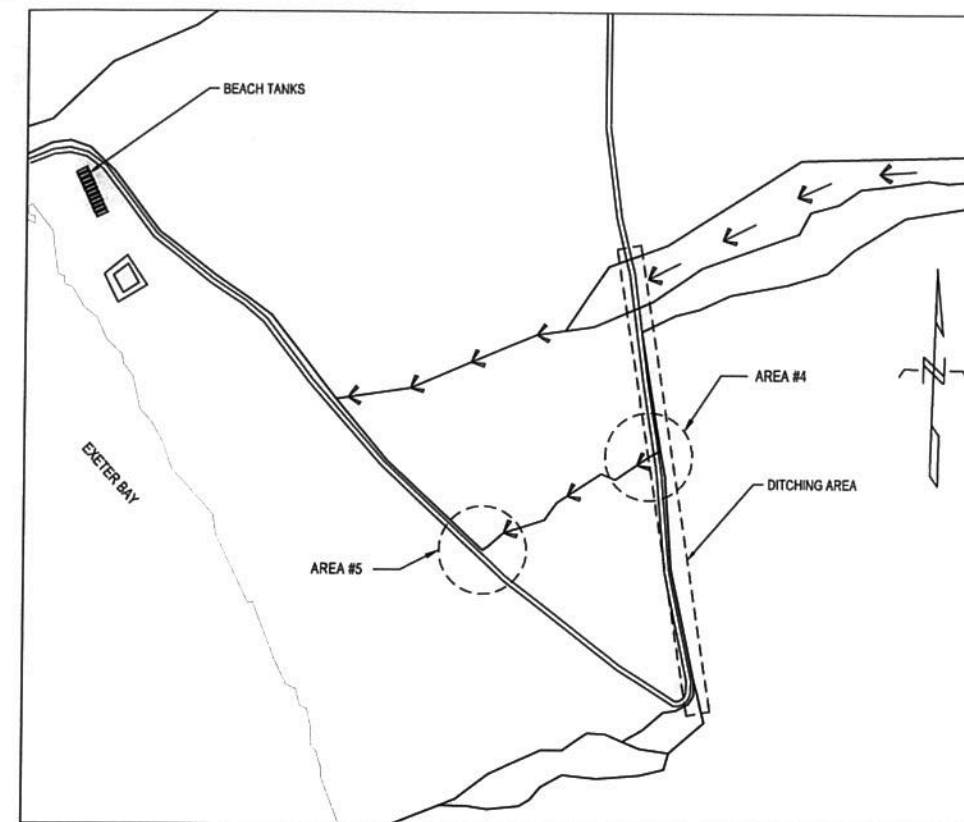




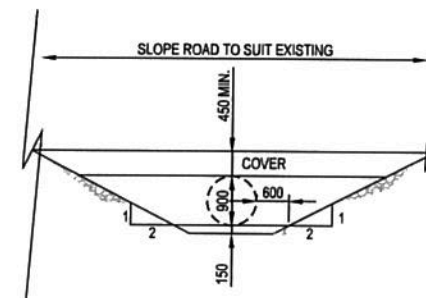


1 AREA #4 & 5 NEW CULVERT - PLAN  
SCALE: 1/75

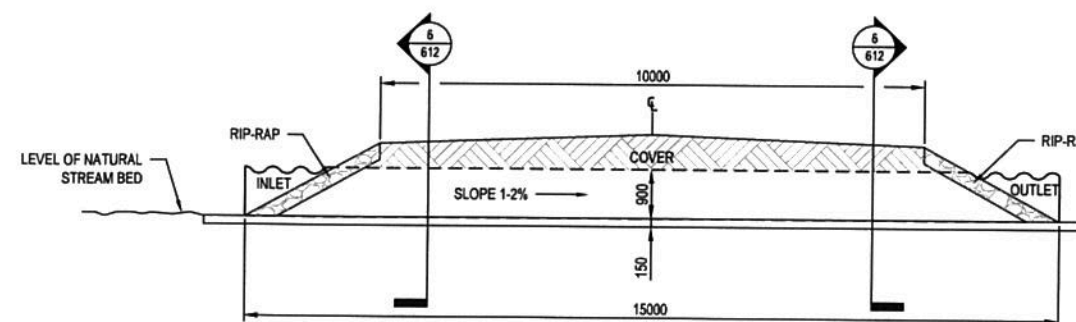
- NOTES:
1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED
  2. ENSURE THE BOTTOM OF PIPE IS IN CONTACT WITH SHAPED BED OR COMPACTED FILL THROUGHOUT ITS LENGTH.
  3. EACH PIPE SECTION SHALL BE INSTALLED NEXT TO THE PREVIOUS SECTION SUCH THAT THE LOCKSEAM FORMS A CONTINUOUS HELIX.
  4. PIPE SHALL BE BACKFILLED AND COMPACTED IN 150mm LIFTS. EACH SIDE OF THE PIPE SHALL BE BACKFILLED SIMULTANEOUSLY SO AS NOT TO DISPLACE THE PIPE LATERALLY OR VERTICALLY. AT NO TIME SHALL THE LEVELS ON EACH SIDE DIFFER MORE THAN 150mm OF UNCOMPACTED LIFT.
  5. CAN/CSA-G401, CORRUGATED STEEL PIPE PRODUCTS.
  6. ROAD SURFACE TO BE 2% CROSS FALL FROM C. OF ROADWAY.
  7. TOP SURFACE OF NEWLY REBUILT ROAD TO BE GRADED IN A WAY TO ALLOW FOR SMOOTH TRANSITION INTO EXISTING, TO THE SATISFACTION OF THE RCL REPRESENTATIVE



AREA OF WORK NTS  
AREA #4 APPROXIMATELY: 66° 35'31.56"N 61° 37'39.64"W  
AREA #5 APPROXIMATELY: 66° 35'28.01"N 61° 37'57.50"W



2 AREA #4&5 - SECTION  
SCALE: 1/30



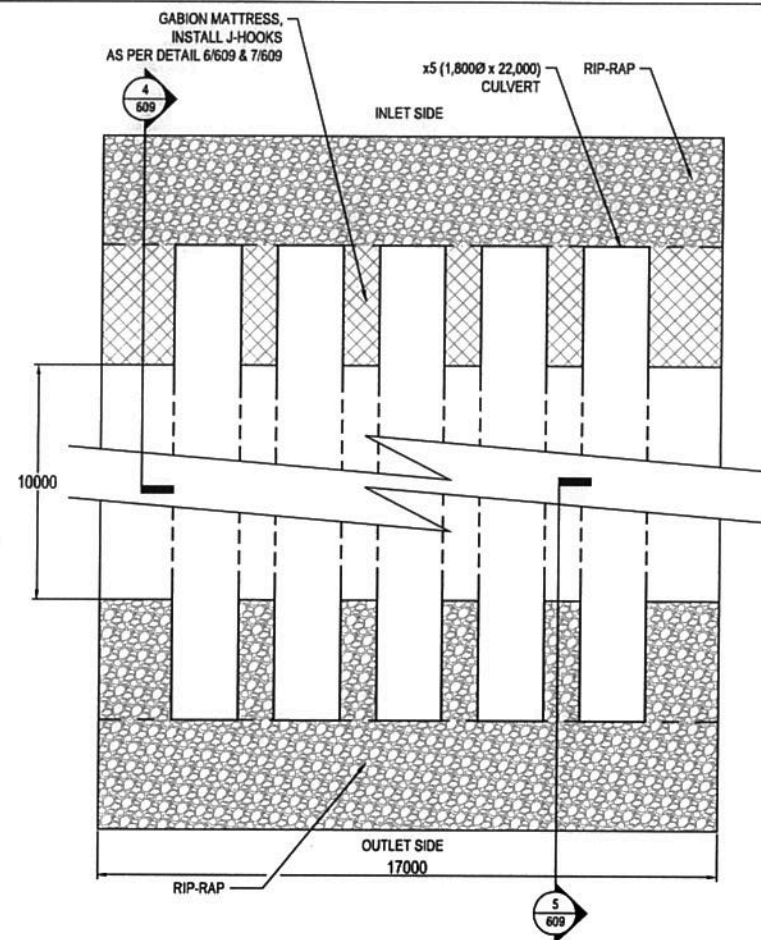
3 AREA #4&5 - SECTION  
SCALE: 1/30

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LEVEL OF SECURITY / NIVEAU DE SÉCURITÉ UNCLASSIFIED	
<b>Raytheon Canada Limited</b> Suite 3000-480 COOPER STREET OTTAWA, ONTARIO K2P 2N6 TEL.: (613) 787-3630 FAX.: (613) 787-3703	
<b>LEGEND:</b> TYPE 2 FILL TYPE 7 FILL GABION MATTRESS RIP-RAP EXISTING GRAVEL ROAD TOE OF SLOPE ROADWAY STREAM DIRECTION OF FLOW	
REDUCED DRAWING FOR INFORMATION ONLY SCALE IS REPRESENTATIVE OF FULL SIZE DRAWING.	
D 2017/05/01 B 2017/03/16 A 2016/05/20 NO. DATE SCALE / ÉCHELLE AS INDICATED	ISSUED FOR CONSTRUCTION FINAL DESIGN ISSUED FOR REVIEW REVISION D.M. D.M. D.M. APPR.
LOCATION / EMPLACEMENT DYE-M CAPE DYER NUNAVUT	
PROJECT / PROJET EP-1535 DYE-M ROADWAY REPAIR	
TRADE / MÉTIER CIVIL	DATE 2016/02/05
SUBJECT / SUJET AREA #4 & 5 DETAILS	
PRODUCTION DESIGNED / ÉTUDE D.M. DRAWN / Dessiné T.R. CHECKED / VÉRIFIÉ T.R. COORDINATION	REVIEWED / REVU DES O / AGENT CONC. PROJ MGR / GÉST PROJ DES MGR / GÉST CONC. FIRE / INCENDIE
WBS NO. / NO. OTP DWG. NO. / NO. DESSIN	PF NO. / NO. DP SK-C75/2-1535-608 Canada

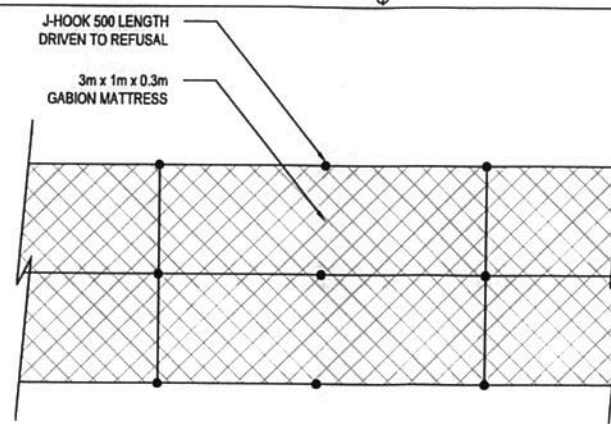
APPROVED  
By Brian Smit at 7:54 am, May 21, 2019



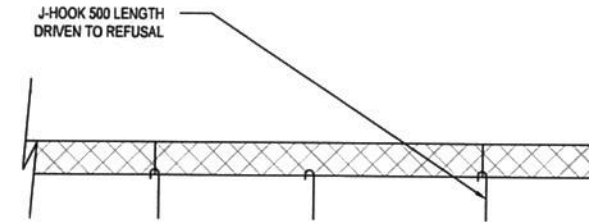




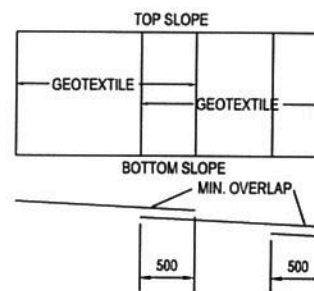
1 AREA #1A CULVERT REPLACEMENT  
SCALE: 1/3



5 TYPICAL J-HOOK PLAN DETAIL  
SCALE: 1/3

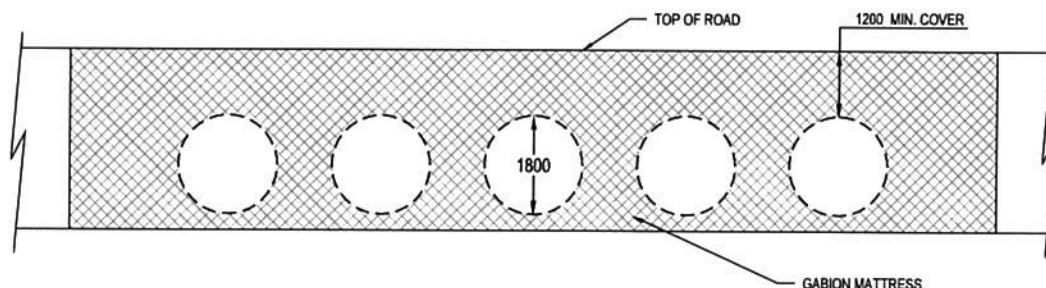


7 TYPICAL J-HOOK SECTION DETAIL  
SCALE: 1/3

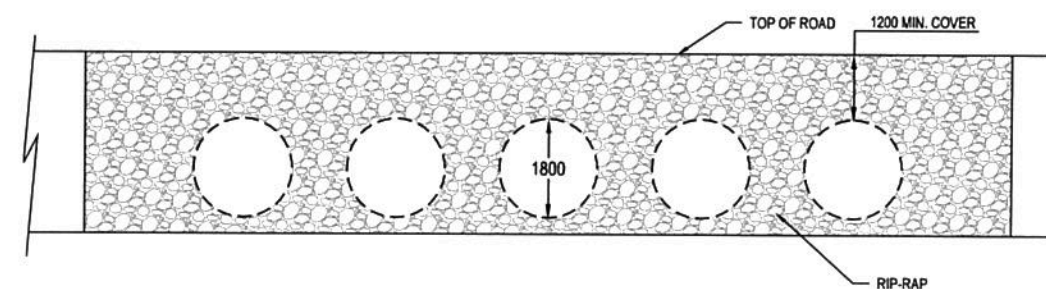


8 GEOTEXTILE OVERLAP DETAIL  
SCALE: 1/3

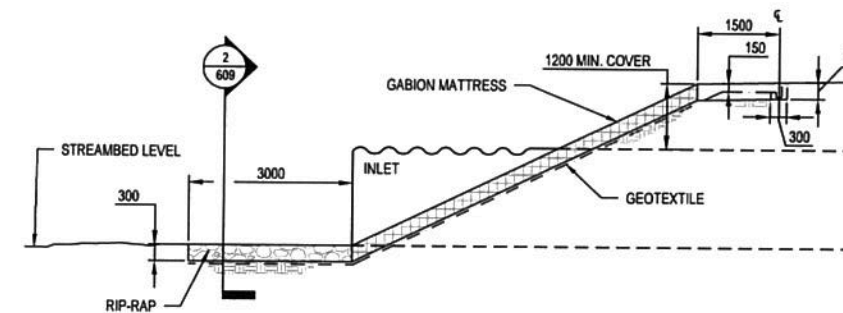
- NOTES:
- ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED.
  - GRADE SLOPE- CUT & FILL GULLIES TO SMOOTH & GRADE SLOPE PRIOR TO REPLACING GEOTEXTILE. USE GRAVEL FROM THE EXISTING STOCKPILE AND COMPACT, REFER TO DETAIL FOR GRAVEL TYPE.
  - ENSURE THAT AFTER PLACING GEOTEXTILE ON NEWLY GRADED SLOPE THAT NO AIR POCKETS HAVE FORMED BETWEEN SLOPE AND GEOTEXTILE. SMOOTH OUT AIR POCKETS BEFORE PLACING GABION MATTRESS AND/OR RIP-RAP MATERIAL.
  - TRENCH HOLE AT TOP OF SLOPE. ANCHOR GEOTEXTILE AT TOP AS PER DETAIL 6/609 & 7/609 AND COVER/COMPACT WITH GRAVEL.
  - PLACE GEOTEXTILE ON SLOPES TO THE INDICATED ELEVATION AND WIDTHS.
  - AVOID RIPPING & TEARING OF GEOTEXTILE DURING INSTALLATION.



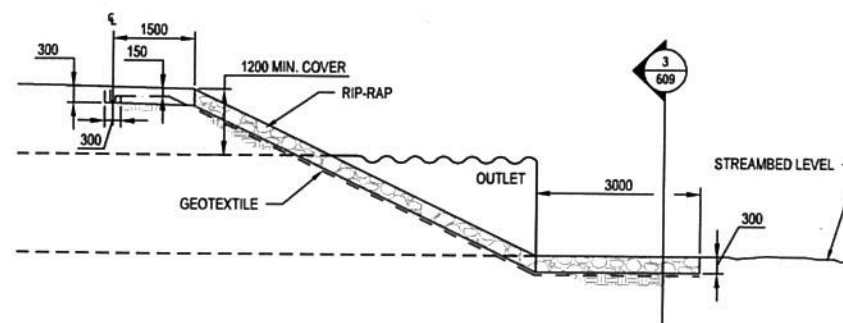
2 AREA #1A INLET - ELEVATION  
SCALE: 1/3



3 AREA #1A OUTLET - ELEVATION  
SCALE: 1/3



4 AREA #1A - SECTION  
SCALE: 1/3



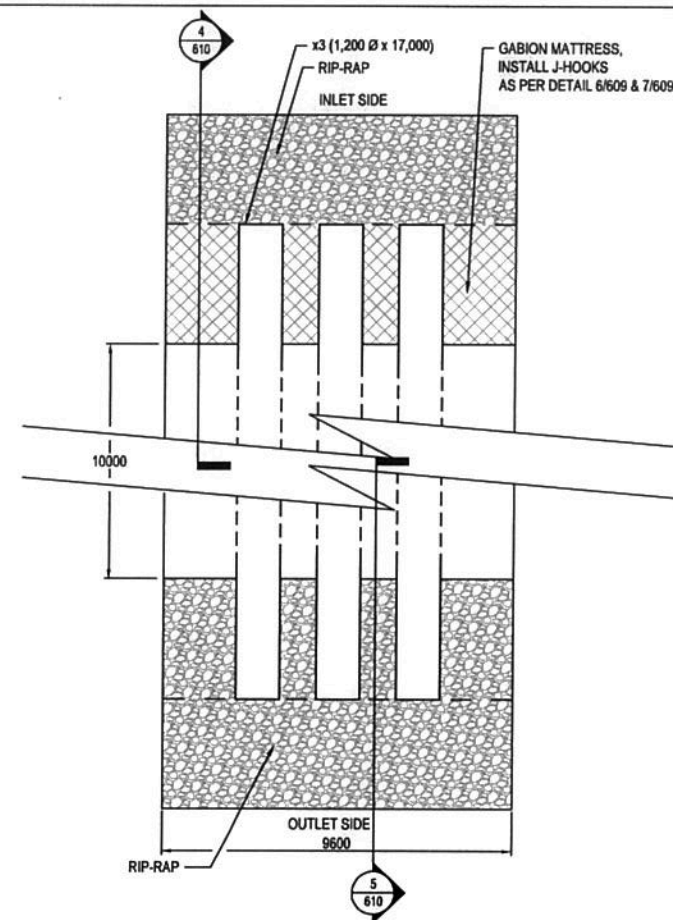
5 AREA #1A - SECTION  
SCALE: 1/3

LEVEL OF SECURITY / NIVEAU DE SÉCURITÉ UNCLASSIFIED	
<b>Raytheon</b> Canada Limited Suite 3000-400 COOPER STREET OTTAWA, ONTARIO K2P 2H8 TEL.: (613) 787-3636 FAX.: (613) 787-3783	
<b>LEGEND:</b> TYPE 2 FILL TYPE 7 FILL GABION MATTRESS RIP-RAP EXISTING GRAVEL ROAD TOE OF SLOPE ROADWAY STREAM DIRECTION OF FLOW	
REDUCED DRAWING FOR INFORMATION ONLY SCALE IS REPRESENTATIVE OF FULL SIZE DRAWING.	
0 2017/05/31 ISSUED FOR CONSTRUCTION D.M. B 2017/03/16 FINAL DESIGN D.M. A 2016/05/30 ISSUED FOR REVIEW D.M. NO. DATE REVISION APPR.	SCALE / ÉCHELLE AS INDICATED
LOCATION / EMPLACEMENT DYE-M CAPE DYER NUNAVUT PROJECT / PROJET EP-1535 DYE-M ROADWAY REPAIR	
TRADE / MÉTIER CIVIL DATE 2016/02/05	SUBJECT / SUJET AREA #1A GABION & RIP-RAP DETAILS
PRODUCTION DESIGNED / ÉTUDE D.M. DRAWN / Dessiné T.R. CHECKED / VÉRIFIÉ T.R. COORDINATION T.R.	REVIEWED / REVU DESIGNED / AGENT CONC. PROJ. MGR / GÉST. PROJ. DESIGNED / AGENT CONC. PROJ. MGR / GÉST. PROJ. FIRE / INCENDIE
WBS NO. / NO. OTP PF NO. / NO. DP	DNG. NO. / NO. DESSIN SK-C75/2-1535-609
Canada	

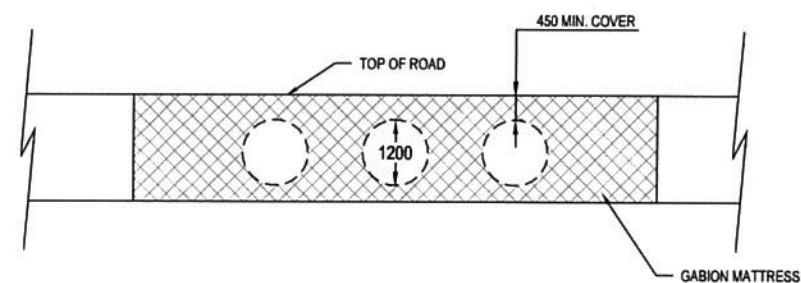
APPROVED  
By Brian Smit at 7:54 am, May 21, 2019



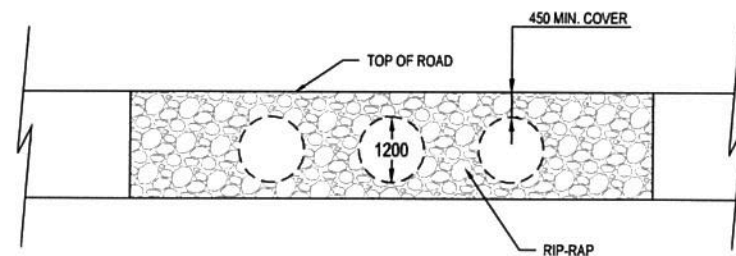




1 AREA #1B CULVERT REPLACEMENT  
SCALE: 1/5

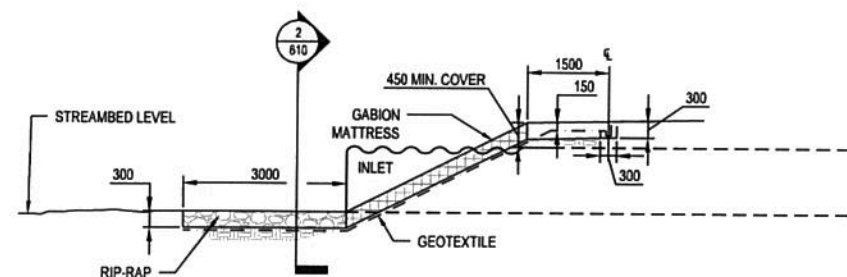


2 AREA #1B INLET - ELEVATION  
SCALE: 1/5

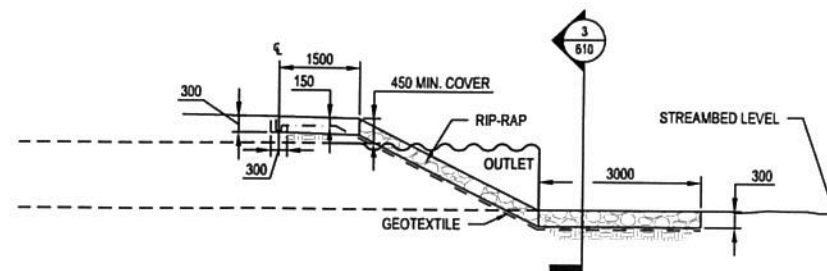


3 AREA #1B OUTLET - ELEVATION  
SCALE: 1/5

- NOTES:
1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED.
  2. GRADE SLOPE- CUT & FILL GULLIES TO SMOOTH & GRADE SLOPE PRIOR TO REPLACING GEOTEXTILE. USE GRAVEL FROM THE EXISTING STOCKPILE AND COMPACT, REFER TO DETAIL FOR GRAVEL TYPE.
  3. ENSURE THAT AFTER PLACING GEOTEXTILE ON NEWLY GRADED SLOPE THAT NO AIR POCKETS HAVE FORMED BETWEEN SLOPE AND GEOTEXTILE. SMOOTH OUT AIR POCKETS BEFORE PLACING GABION MATTRESS AND/OR RIP-RAP MATERIAL.
  4. TRENCH HOLE AT TOP OF SLOPE. ANCHOR GEOTEXTILE AT TOP AS PER DETAIL 6/609 & 7/609 AND COVER/COMPACT WITH GRAVEL.
  5. PLACE GEOTEXTILE ON SLOPES TO THE INDICATED ELEVATION AND WIDTHS.
  6. AVOID RIPPING & TEARING OF GEOTEXTILE DURING INSTALLATION.



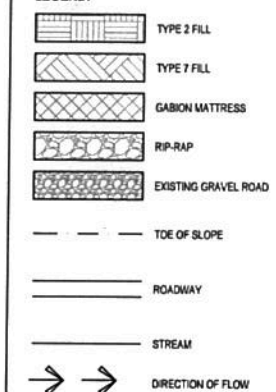
4 AREA #1B SECTION  
SCALE: 1/5



5 AREA #1B SECTION  
SCALE: 1/5



LEGEND:



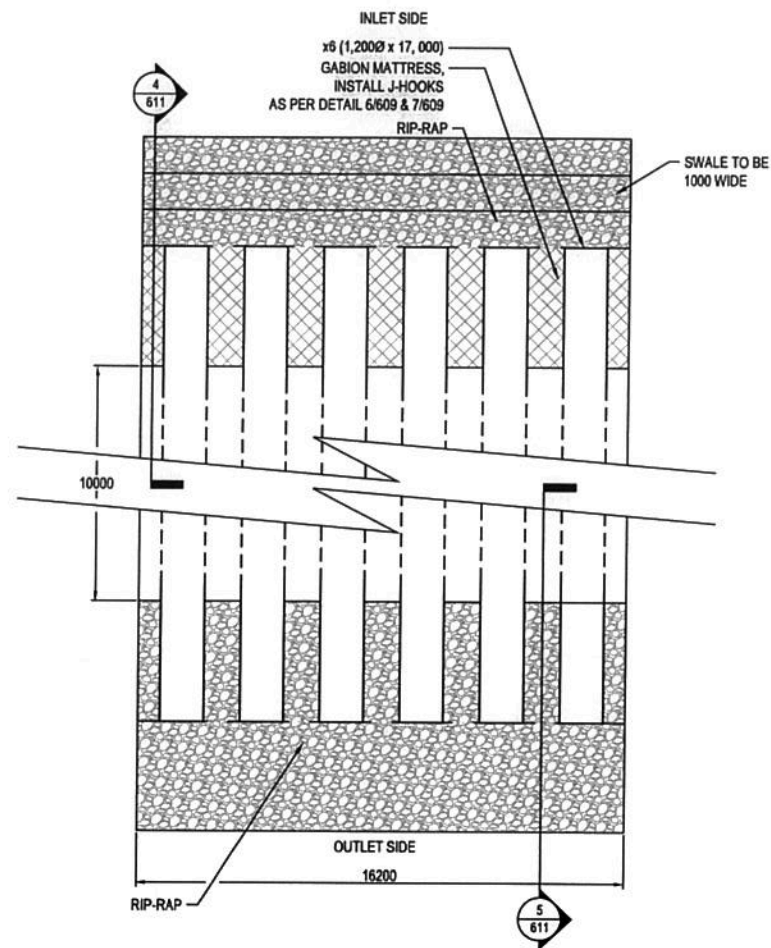
REDUCED DRAWING FOR  
INFORMATION ONLY  
SCALE IS REPRESENTATIVE  
OF FULL SIZE DRAWING.

0	2017/05/31	ISSUED FOR CONSTRUCTION	D.M.
B	2017/03/16	FINAL DESIGN	D.M.
A	2016/05/30	ISSUED FOR REVIEW	D.M.
NO.	DATE	REVISION	APPR.
SCALE   ÉCHELLE AS INDICATED			
LOCATION   EMPLACEMENT DYE-M CAPE DYER NUNAVUT			
PROJECT   PROJET EP-1535 DYE-M ROADWAY REPAIR			
TRADE   MÉTIER CIVIL		DATE 2016/02/05	
SUBJECT   SUJET AREA #1B GABION & RIP-RAP DETAILS			
PRODUCTION DESIGNED   ÉTUDE D.M.		REVIEWED   REVU DES O   AGENT CONC	
DRAWN   DESSINE T.R.		PROJ MGR   GEST PROJ	
CHECKED   VÉRIFIÉ T.R.		DES MGR   GEST CONC	
COORDINATION		FIRE   INCENDIE	
WBS NO.   NO. GTP		PF NO.   NO. DP	
DWG. NO.   NO. DESSIN SK-C75/2-1535-610			
Canada			

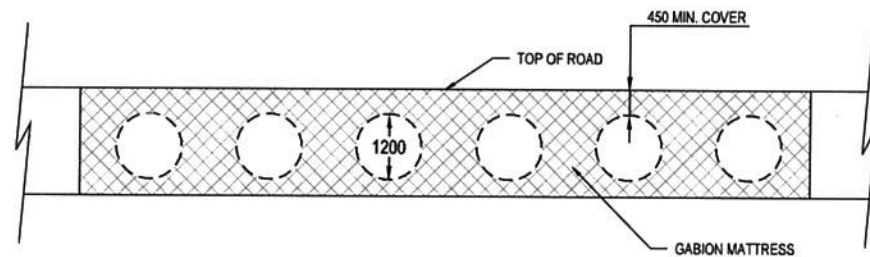
APPROVED  
By Brian Smit at 7:54 am, May 21, 2019



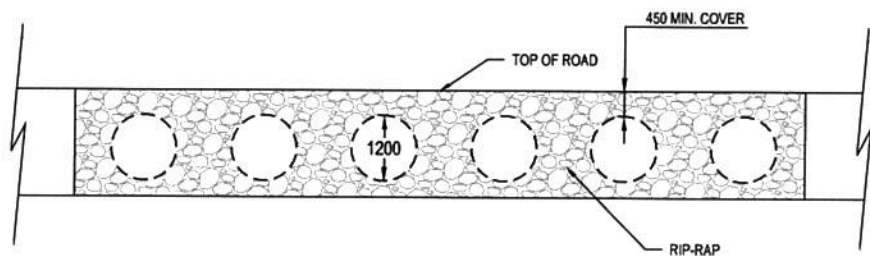




1 AREA #2 CULVERT REPLACEMENT  
SCALE: 1/25



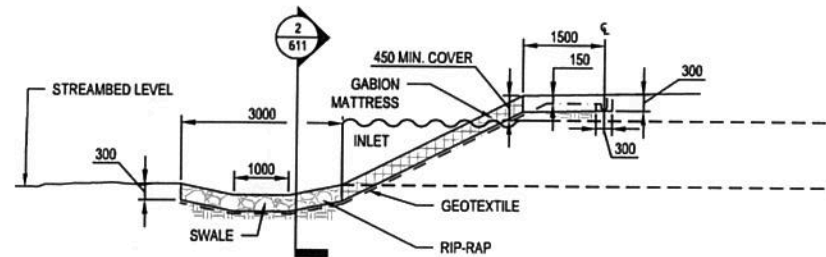
2 AREA #2 INLET - ELEVATION  
SCALE: 1/50



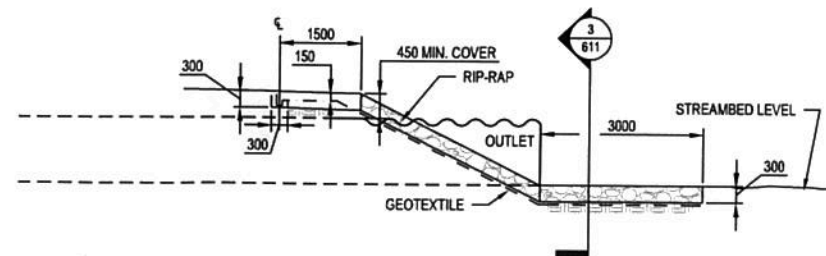
3 AREA #2 OUTLET - ELEVATION  
SCALE: 1/50

NOTES:

- ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED.
- GRADE SLOPE- CUT & FILL GULLIES TO SMOOTH & GRADE SLOPE PRIOR TO REPLACING GEOTEXTILE. USE GRAVEL FROM THE EXISTING STOCKPILE AND COMPACT, SEE DETAIL FOR GRAVEL TYPE.
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- AVOID RIPPING & TEARING OF GEOTEXTILE DURING INSTALLATION.



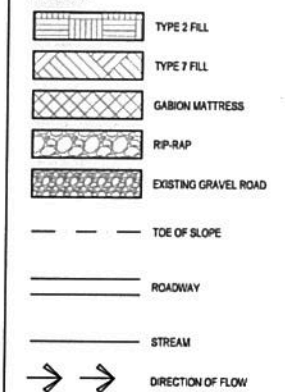
4 AREA #2 - SECTION  
SCALE: 1/50



5 AREA #2 - SECTION  
SCALE: 1/50



LEGEND:



REDUCED DRAWING FOR  
INFORMATION ONLY  
SCALE IS REPRESENTATIVE  
OF FULL SIZE DRAWING.

0	2017/05/31	ISSUED FOR CONSTRUCTION	D.M.
B	2017/03/16	FINAL DESIGN	D.M.
A	2016/05/30	ISSUED FOR REVIEW	D.M.
NO.	DATE	REVISION	APPR.

SCALE | ÉCHELLE  
AS INDICATED

LOCATION | EMPLACEMENT

DYE-M  
CAPE DYER  
NUNAVUT  
PROJECT | PROJET

EP-1535 DYE-M  
ROADWAY REPAIR

TRADE | MÉTIER  
CIVIL  
DATE  
2016/02/05

SUBJECT | SUJET

AREA #2  
GABION & RIP-RAP DETAILS

DESIGNED   ÉTUDE	REVIEWED   REVU	DES O   AGENT CONC
D.M.		
DRAWN   DESSIN		PROJ MGR   GEST PROJ
T.R.		
CHECKED   VÉRIFIÉ		DES MGR   GEST CONC
T.R.		
COORDINATION		FIRE   INCENDIE

WBS NO. | NO. GTP

PF NO. | NO. DP

DWG. NO. | NO. DESSIN

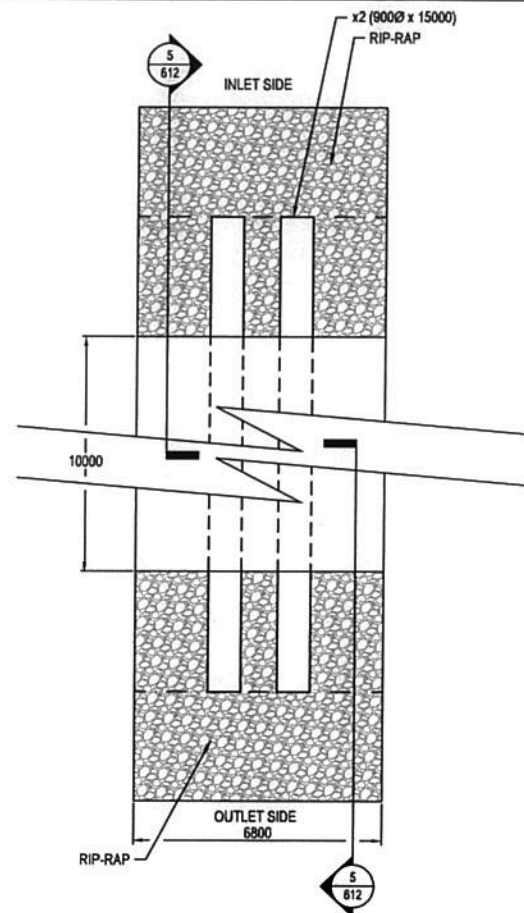
SK-C75/2-1535-611

Canada

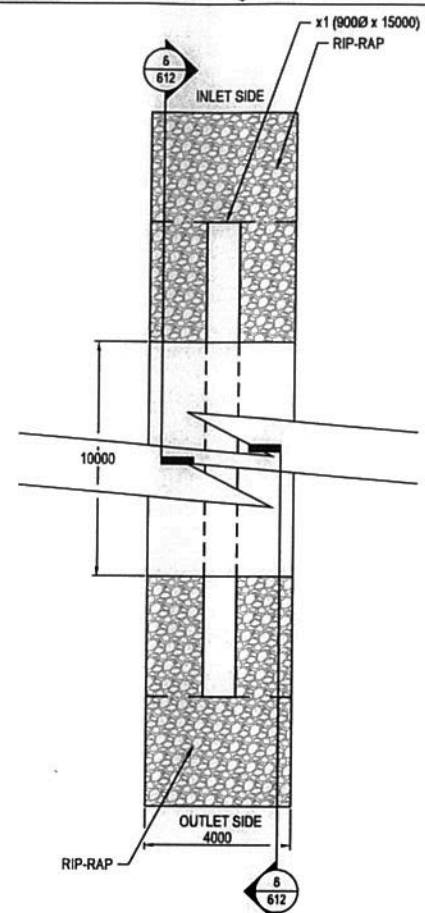
APPROVED  
By Brian Smit at 7:54 am, May 21, 2019





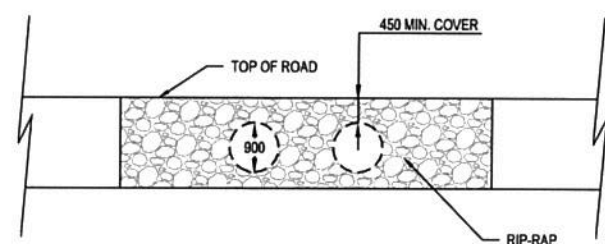


1 AREA #3 & 6 NEW CULVERT  
SCALE: 1/75

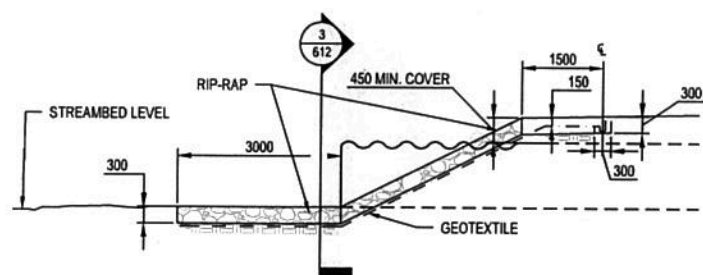


2 AREA #4 & 5 NEW CULVERT  
SCALE: 1/75

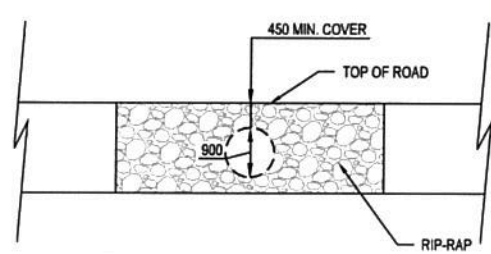
- NOTES:
1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED.
  2. GRADE SLOPE- CUT & FILL GULLIES TO SMOOTH & GRADE SLOPE PRIOR TO REPLACING GEOTEXTILE. USE GRAVEL FROM THE EXISTING STOCKPILE AND COMPACT, REFER TO DETAIL FOR TYPE.
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  6. AVOID RIPPING & TEARING OF GEOTEXTILE DURING INSTALLATION.



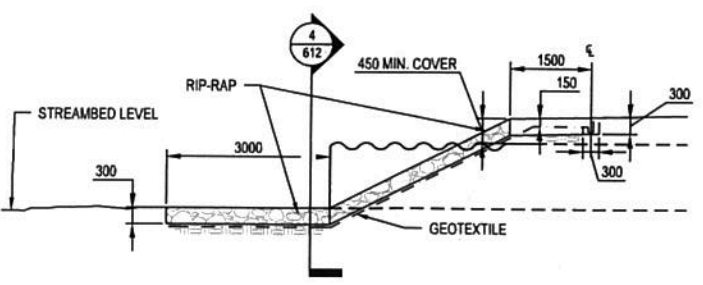
3 AREA #3 & 6 INLET/OUTLET - ELEVATION  
SCALE: 1/50



5 AREA #3 & 6 INLET/OUTLET SECTION  
SCALE: 1/50



4 AREA #4 & 5 INLET/OUTLET - ELEVATION  
SCALE: 1/50



6 AREA #4&5 INLET/OUTLET SECTION  
SCALE: 1/50



**Raytheon Canada Limited**  
Suite 3000-400 COOPER STREET  
OTTAWA, ONTARIO K2P 2H8  
TEL.: (613) 787-3630  
FAX: (613) 787-3703

LEGEND:

- TYPE 2 FILL
- TYPE 7 FILL
- GABION MATTRESS
- RIP-RAP
- EXISTING GRAVEL ROAD
- TOE OF SLOPE
- ROADWAY
- STREAM
- DIRECTION OF FLOW

REDUCED DRAWING FOR INFORMATION ONLY  
SCALE IS REPRESENTATIVE OF FULL SIZE DRAWING.

0	2017/05/31	ISSUED FOR CONSTRUCTION	D.M.
B	2017/03/16	FINAL DESIGN	D.M.
A	2016/05/30	ISSUED FOR REVIEW	D.M.
NO.	DATE	REVISION	APPR.

SCALE / ÉCHELLE: AS INDICATED

LOCATION / EMPLACEMENT  
DYE-M  
CAPE DYER  
NUNAVUT

PROJECT / PROJET  
EP-1535 DYE-M  
ROADWAY REPAIR

TRADE / MÉTIER: CIVIL  
DATE: 2016/02/05

SUBJECT / SUJET  
AREA #3-6  
RIP-RAP DETAILS

DESIGNED / ÉTUDE	REVIEWED / REVU	DESIGNED / AGENT CONC.
D.M.		
DRAWN / Dessiné		PROJ MGR / GEST PROJ
T.R.		
CHECKED / VÉRIFIÉ		DES MGR / GEST CONC.
T.R.		
COORDINATION		FIRE / INCENDIE

WBS NO. / NO. DTP: PF NO. / NO. DP

DWG. NO. / NO. DESSIN: SK-C75/2-1535-612

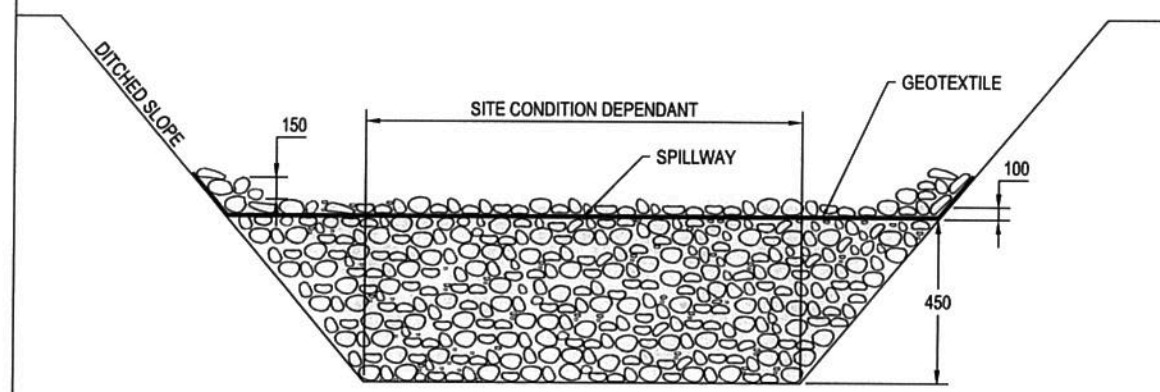
Canada

APPROVED  
By Brian Smit at 7:54 am, May 21, 2019

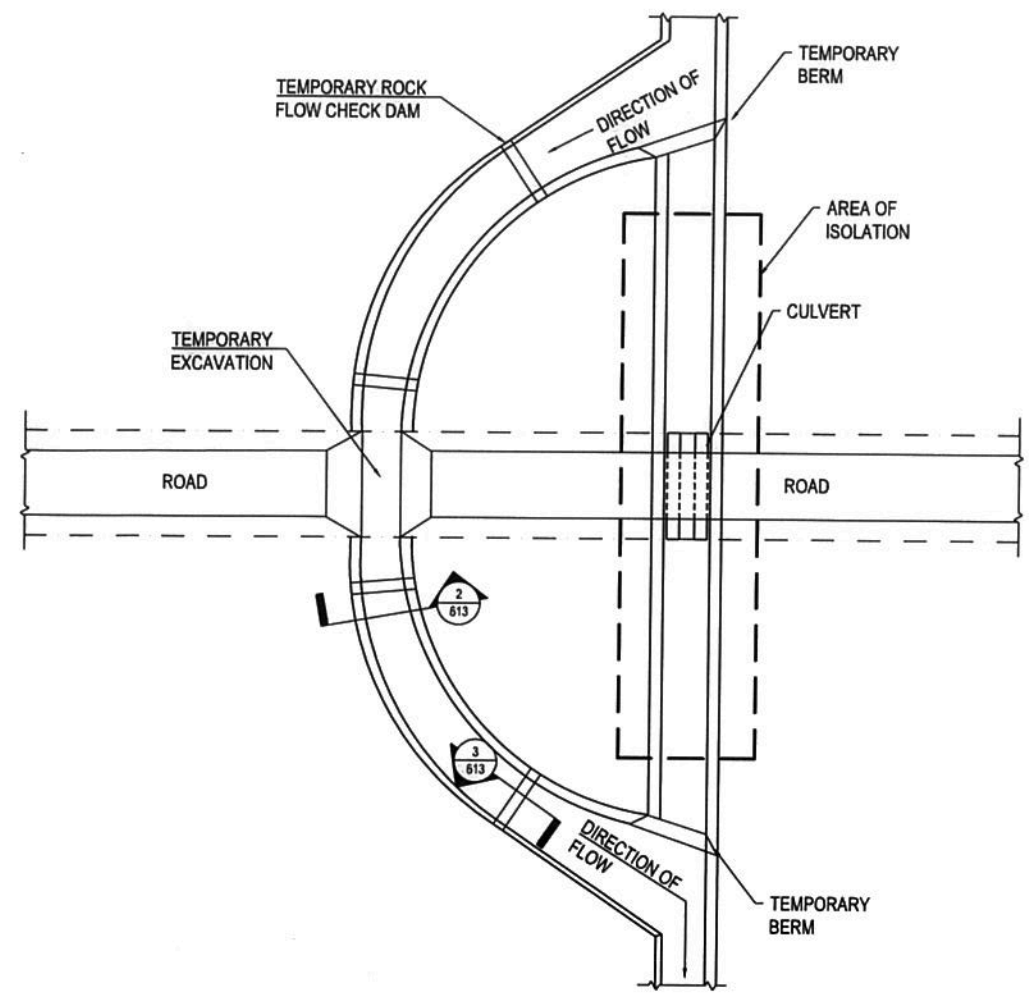




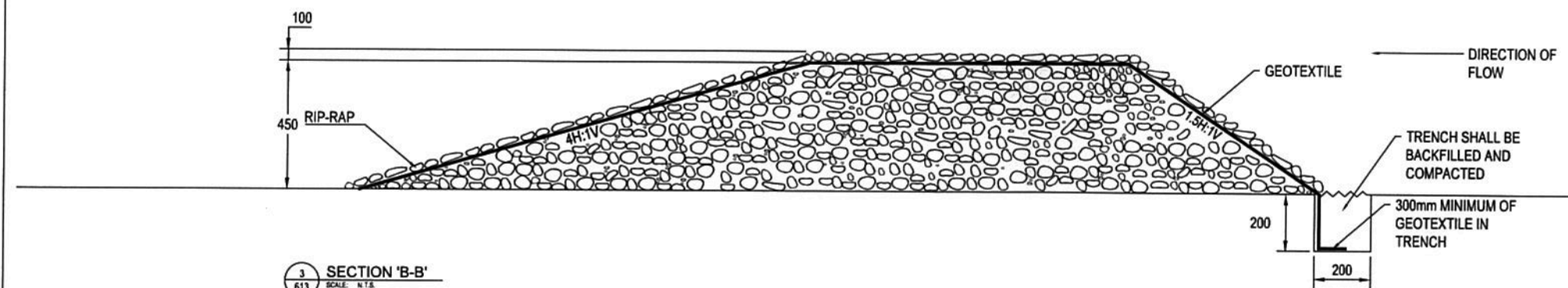
- NOTES:
1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED
  2. PLACEMENT OF TEMPORARY DIVERSION CHANNELS AT AREAS 1A, 1B & 2 TO BE DETERMINED ON-SITE, BASED ON EXISTING SITE CONDITIONS.



2 SECTION 'A-A'  
SCALE: N.T.S.



1 DIVERSION PLAN  
SCALE: N.T.S.



3 SECTION 'B-B'  
SCALE: N.T.S.

Government of Canada  
Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ  
UNCLASSIFIED

**Raytheon**  
Canada Limited

Suite 3000-400 COOPER STREET  
OTTAWA, ONTARIO K2P 2H8  
TEL: (613) 787-3630  
FAX: (613) 787-3703

LEGEND:  

	TYPE 2 FILL
	TYPE 7 FILL
	GABION MATTRESS
	RIP-RAP
	EXISTING GRAVEL ROAD
	TOE OF SLOPE
	ROADWAY
	STREAM
	DIRECTION OF FLOW

REDUCED DRAWING FOR INFORMATION ONLY  
SCALE IS REPRESENTATIVE OF FULL SIZE DRAWING.

0	2017/05/31	ISSUED FOR CONSTRUCTION	D.M.
B	2017/03/16	FINAL DESIGN	D.M.
A	2016/05/30	ISSUED FOR REVIEW	D.M.
NO.	DATE	REVISION	APPR.

SCALE | ÉCHELLE  
AS INDICATED

LOCATION | EMPLACEMENT  
DYE-M  
CAPE DYER  
NUNAVUT

PROJECT | PROJET  
EP-1535 DYE-M ROADWAY REPAIR

TRADE | MÉTIER  
CIVIL

DATE  
2016/02/05

SUBJECT | SUJET  
TYPICAL TEMPORARY WATER DIVERSION DETAILS FOR AREAS 1A, 1B & 2

PRODUCTION  
DESIGNED | ÉTUDE  
D.M.  
DRAWN | DESSINÉ  
M.A.  
CHECKED | VÉRIFIÉ  
T.R.  
COORDINATION

REVIEWED | REVU  
DES D | AGENT CONC  
PROJ MGR | GEST PROJ  
DES MGR | GEST CONC  
FIRE | INCENDIE

WBS NO. | NO. OTP  
PF NO. | NO. DP

DWG. NO. | NO. DESSIN  
SK-C75/2-1535-613

Canada

APPROVED  
By Brian Smit at 7:54 am, May 21, 2019

