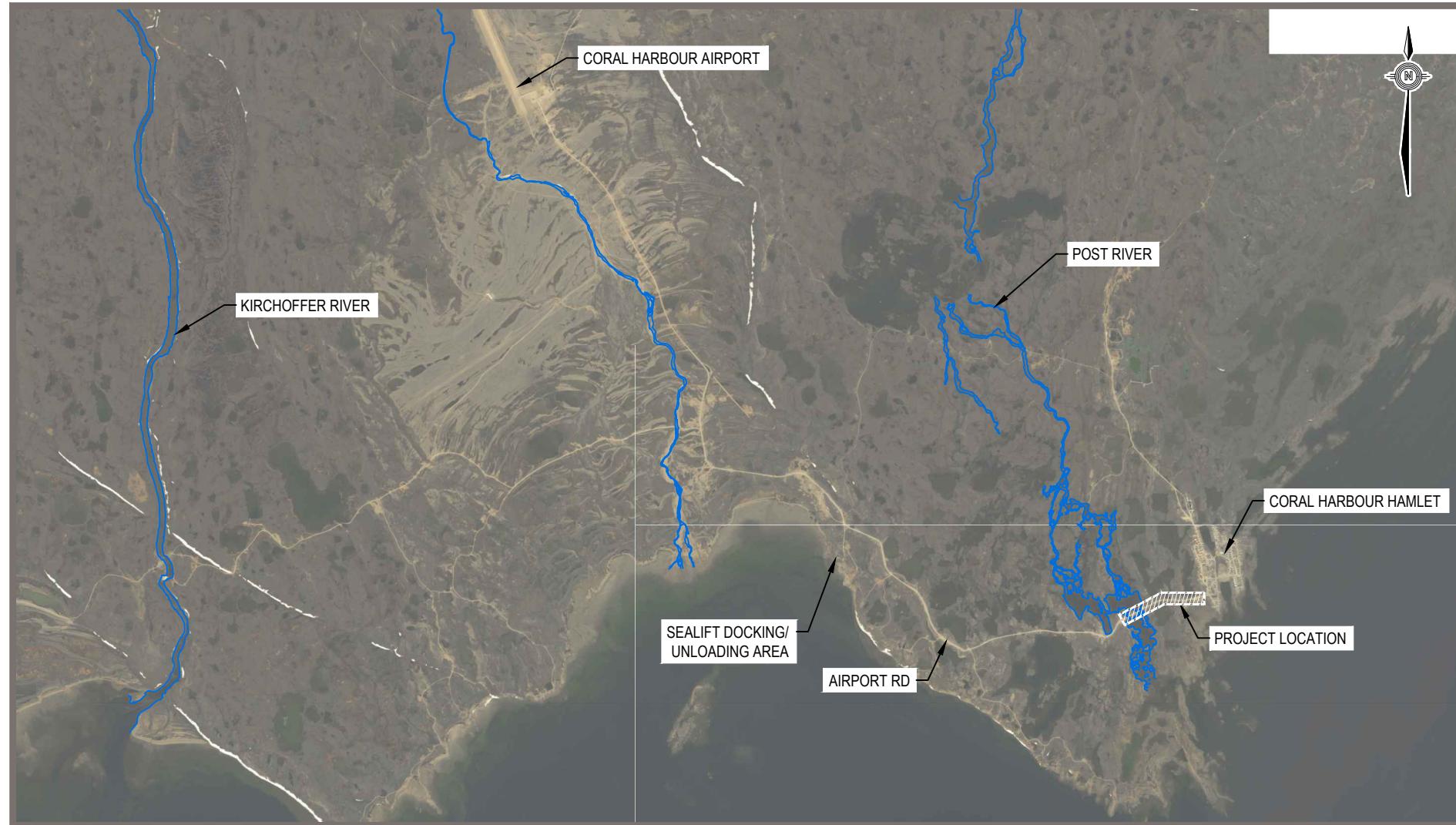


AIRPORT ROAD WASHOUT REHABILITATION CORAL HARBOUR, NU - DETAILED DESIGN

DEPARTMENT OF COMMUNITY AND GOVERNMENT SERVICES PROJECT No. 12-3013



INDEX OF DRAWINGS	
DWG No.	DESCRIPTION
G1.00	COVER SHEET
G1.01	INDEX OF DRAWINGS, GENERAL NOTES, SPECIFICATIONS & QUANTITIES
G1.02	GRAVEL SOURCES & SAMPLE LOCATIONS
G1.03	OVERALL DRAINAGE PLAN & CROSSING LOCATIONS
G1.04	GENERAL PHASING NOTES AND PHASING PLAN - PHASE 1
G1.05	PHASING PLAN - PHASE 2 & 3
G1.06	PHASING PLAN - PHASE 4 & 5
G1.07	PHASING PLAN - PHASE 6 & 7
G1.08	BYPASS ROADS - PROFILES & TYPICAL SECTION
C1.00	OVERALL SITE PLAN
C1.01	CROSSING 4 - PLAN & PROFILE
C1.02	CROSSING 4 - BRIDGE ELEVATION & SECTION
C1.03	CROSSING 7 - PLAN & PROFILE
C1.04	CROSSING 7 - BRIDGE ELEVATION & SECTION
C1.05	CROSSING 9 - CULVERT REMOVAL & REPLACEMENT
C1.06	DETAILS
C1.07	CROSSING 4 - 5 m CROSS SECTIONS
C1.08	CROSSING 7 - 5 m CROSS SECTIONS
C1.09	CROSSING 7 - 5 m CROSS SECTIONS

GENERAL NOTES:

1. THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT PLANS AND SPECIFICATIONS AND ANY RULES, REGULATIONS, STANDARDS OR SPECIFICATIONS REFERENCED THEREIN. THE PROJECT IS SUBJECT TO INSPECTION BY THE GOVERNMENT OF NUNAVUT (GON) OR IT'S REPRESENTATIVES.
2. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, PROVINCIAL AND FEDERAL LAWS THAT ARE PERTINENT TO THIS WORK.
3. THE CONTRACTOR IS RESPONSIBLE FOR RESTORING THE SITE CONDITIONS FOLLOWING THE COMPLETION OF THE PROJECT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DOCUMENT THE EXISTING CONDITIONS AND REINSTATE THE SITE TO EXISTING OR BETTER CONDITIONS.
4. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
5. ALL CONSTRUCTION ACTIVITIES SHALL BE COMPLETED IN A MANNER SUITABLE FOR PUBLIC USE AND IN A CONDITION MEETING THE APPROVAL OF THE GON OR ITS REPRESENTATIVE.
6. ALL EXCESS OR UNSUITABLE MATERIALS SHALL BE DISPOSED OF OFF SITE AT AN APPROVED FACILITY.
7. ALL MATERIALS OR EQUIPMENT SHIPPED TO CORAL HARBOUR SHALL BE DELIVERED TO AN APPROVED SITE ESTABLISHED AT THE PRE-CONSTRUCTION MEETING.
8. ALL CONSTRUCTION ACTIVITIES AFFECTING THE HAMLET'S OPERATIONS SHALL BE DISCUSSED IN ADVANCE WITH THE HAMLET'S AUTHORITIES AND IT'S REPRESENTATIVES.

REGULATORY REQUIREMENTS:

1. ALL REGULATORY APPROVALS MUST BE IN PLACE BEFORE THE CONTRACTOR IS ALLOWED TO COMMENCE CONSTRUCTION ACTIVITIES.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND FOLLOWING ITS OWN ENVIRONMENTAL MANAGEMENT PLAN.
3. AS THIS PROJECT INCLUDES CONSTRUCTION ACTIVITIES ON AN ACTIVE ROAD, ALL CONSTRUCTION ACTIVITIES SHALL BE UNDERTAKEN IN A MANNER APPROVED BY THE GON OR IT'S REPRESENTATIVE.
4. THE CONTRACTOR IS TO FAMILIARIZE WITH THE REQUIREMENTS IN THE CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN.

BRIDGE DESIGN SPECIFICATIONS:

1. FOR CROSSING 7 DESIGN A 30 m SINGLE SPAN, TWIN STEEL GIRDER BRIDGE WITH A TIMBER DECK, PRECAST CONCRETE BALLAST WALLS AND PRECAST CONCRETE FOOTINGS TO CAN/CSA-S6-14 AND THE BC MINISTRY OF FORESTS, LANDS AND NATURAL RESOURCES OPERATIONS BRIDGE DESIGN STANDARDS AND DRAWINGS.
2. BRIDGE TO BE DESIGN FOR THE CL-625 LOADING IN ACCORDANCE WITH XXX.
3. BRIDGE LENGTH OF 30 m OUT TO OUT.
4. BRIDGE CLEAR WIDTH BETWEEN CURBS OF 4.876 m
5. NO SKEW
6. DECK TYPE: TIMBER (STD-EC-XXX-XX)
7. BARRIER SYSTEM: TBD
8. DECK BALLAST WALL INTERFACE (STD-EC-XXX-XX)
9. PRECAST CONCRETE BALLAST WALL, BASE PLATES, BEARINGS AND PRECAST CONCRETE FOOTINGS (STD-ED-XXX-XX).
10. PROVIDE DETAILED CALCULATIONS AND DESIGN DRAWINGS FOR BRIDGE COMPONENTS AS DESCRIBED IN XXXX.

MATERIAL SPECIFICATIONS:

1. STEEL PLATES AND SECTIONS: TO CAN/CSA-G40.21 TYPE 350AT, CATEGORY 3 FOR GIRDERS AND TYPE 350A, CATEGORY 3 FOR OTHER COMPONENTS.
2. TIMBER DECK TIES TO BE TREATED DOUGLAS FIR GRADE XX.

FABRICATION SPECIFICATIONS:

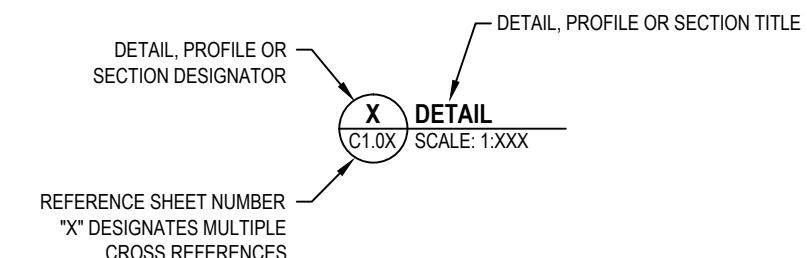
BRIDGE IDENTIFICATION PLATE

1. THE BRIDGE SUPERSTRUCTURE SHALL HAVE ITS STRUCTURE NUMBER, LOAD RATING, DATE OF MANUFACTURE AND MANUFACTURER'S NAME CLEARLY STAMPED OR PERMANENTLY MARKED ON AT LEAST ONE SIDE OF THE STRUCTURE.

CERTIFICATION AND QUALITY CONTROL

2. CONTRACTOR TO PROVIDE MILL CERTIFICATES FOR ALL STEEL USED IN THE STRUCTURE.
3. CSA CERTIFICATION STANDARDS SHALL APPLY THROUGHOUT THE DURATION OF THE PROJECT FROM THE TIME OF TENDER OPENING THROUGH TO MANUFACTURING.

Specifications	Item No.	Item Description	Unit	Est. Quantity	CO#1	CO#2	Final
Preliminaries							
	1	Mob / Demob / Temporary Facilities - Security, Traffic Control Barricades, Quality Control, etc.	lump sum	1			
	2	Post construction Survey	lump sum	1			
Phase 1 - Construction of Temporary Bypass Road at Crossing #7							
	3	Dewatering	lump sum	1			
	4	Clearing and Grubbing	sq.m	990			
	5	Supply and Place Crushed Gravel	cu.m	770			
Phase 2 - Removal and Upgrade of Existing Bridge at Crossing #7							
	6	Remove Existing 13.6 m Bridge	lump sum	1			
	7	Remove and Dispose Existing Gabion Basket Abutments and Concrete Wingwalls	lump sum	1			
	8	Excavate and Onsite Disposal	cu.m	1,500			
	9	Supply and Install Concrete Sill	each	2			
	10	Supply and Place Rip Rap (Class 100 kg)	cu.m.	400			
	11	Supply and Install 30 m Single-Lane Bridge	each	1			
	12	Raise Road Profile	cu.m	1,860			
Phase 3 - Relocation of Temporary Bypass Road to Crossing #4							
	13	Clearing and Grubbing	sq.m	990			
	14	Remove and Place Crushed Gravel	cu.m	770			
Phase 4 - Culvert Removal and Installation of Bridge at Crossing #4							
	15	Remove and Dispose of Culverts	each	8			
	16	Excavation and Onsite Disposal	cu.m	500			
	17	Supply and Install Corrugated Metal Abutment	each	2			
	18	Strip and Paint Girders of Existing Bridge	lump sum	1			
	19	Supply and Install Concrete Sill	each	2			
	20	Replace Existing Timber Deck	lump sum	1			
	21	Install 13.6 m Bridge	lump sum	1			
	22	Supply and Place Rip Rap (Class 100 kg)	cu.m.	180			
	23	Remove Existing Culvert (Crossing 5 and 6)	each	3			
	24	Raise Road Profile	cu.m	500			
Phase 5 - Replace Culvert Crossing 9, Removal of Culvert Crossing 10							
	25	Clearing and Grubbing	sq.m	270			
	26	Remove and Place Crushed Gravel	cu.m	210			
	27	Remove and Dispose of Existing Culverts (Crossing 9, 9a, and 10)	each	3			
	28	Install 1200 mm CSP	each	3			
	29	Remove and Place Crushed Gravel	cu.m	210			
Miscellaneous							
	30	Sediments and Erosion Control Measures	lump sum	1			
	31	New Roadway Signage	each	10			
	32	Supply and Install Barrier Rail	m	240			

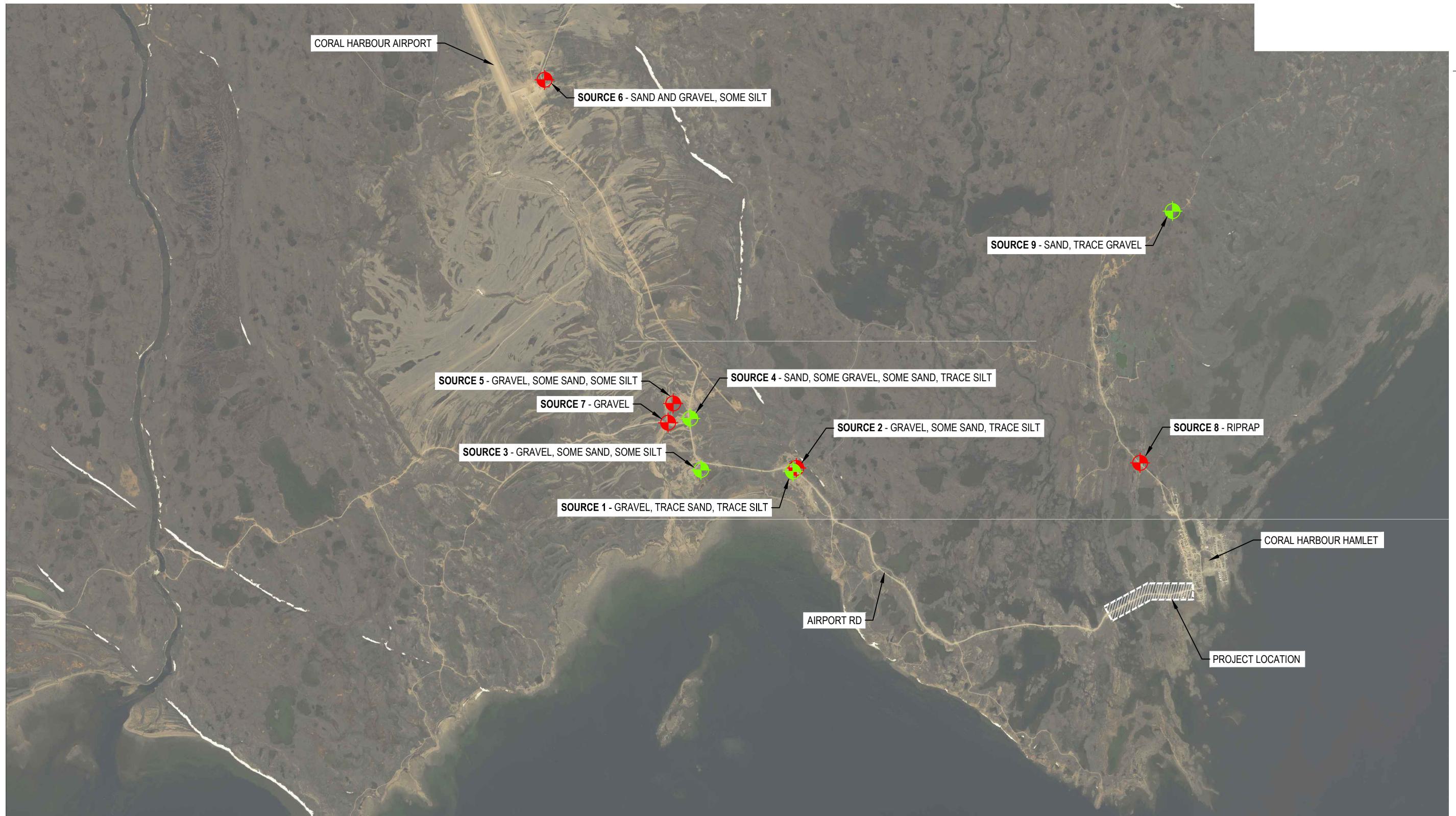


LEGEND	NOTES						AIRPORT RD. WASHOUT REHABILITATION									
							CORAL HARBOUR, NU									
INDEX OF DRAWINGS, GENERAL NOTES, SPECIFICATIONS AND QUANTITIES																
							PROJECT NO.	OFFICE								
							V13203282	VANC								
							DATE	APP								
							February 1, 2016	STATUS								
							JDM	-								
							DNM									
							REV									
							G1.01									



PROFESSIONAL SEAL





SITE PLAN
SCALE: 1:50 000

LEGEND
SAMPLE TAKEN:
● YES
● NO
 SCALE 1:50,000

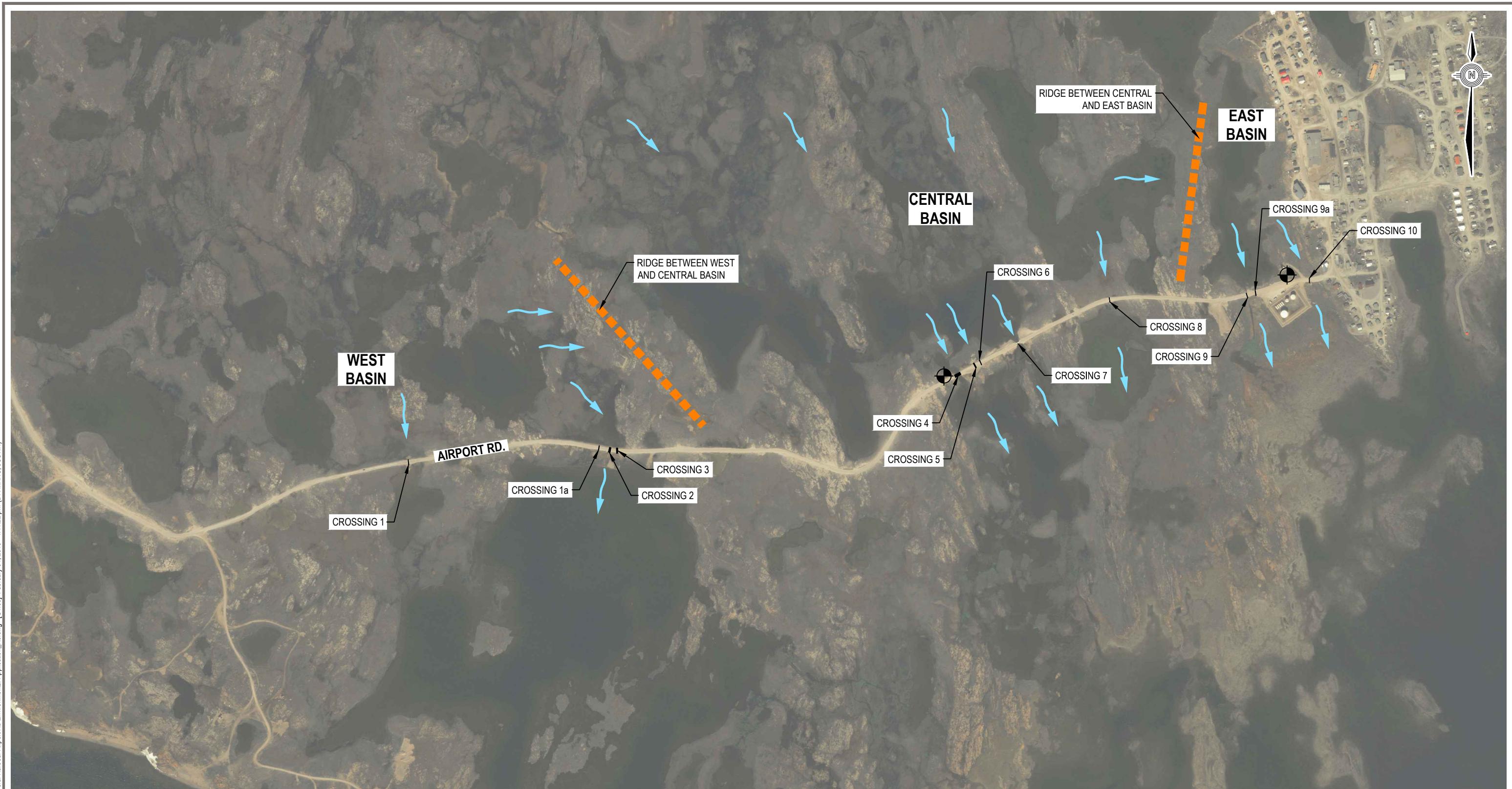
NOTES

0	2/1/16	JDM	DNM	DNM	DESIGN DRAWINGS
NUM	DATE	DWN	CKD	APR	DESCRIPTION
REVISIONS					
PROFESSIONAL SEAL					



PROJECT NO.	OFFICE	DES	CKD	REV	DRAWING
V13203282	VANC	MAN	DNM	0	G1.02
DATE February 1, 2016	SHEET No. of 1	DWN JDM	APP DNM	STATUS -	





DRAINAGE PLAN
SCALE: 1:10 000

LEGEND
◆ Water Level Monitoring Location

NOTES

SCALE 1:10,000
0 100 200 400m

0	2/1/16	DESIGN DRAWINGS				
		NUM	DATE	DWN	CKD	
REVISIONS						
DESCRIPTION						
PROFESSIONAL SEAL						



**AIRPORT RD. WASHOUT REHABILITATION
CORAL HARBOUR, NU**

**OVERALL DRAINAGE PLAN &
CROSSING LOCATIONS**



TETRA TECH EBA

BUCKLAND & TAYLOR

COWI

DATE

PROJECT NO.	OFFICE	DES	CKD	REV	DRAWING
V13203282	VANC	MAN	DNM	0	G1.03
February 1, 2016	SHEET No. of	DWN	APP	STATUS	-

GENERAL PHASING NOTES:

1. ALL CONTRACTOR VEHICLES AND TRAFFIC (UNLESS NOTED OTHERWISE) SHALL REMAIN WITHIN THE DESIGNATED CONSTRUCTION LIMITS OR HAUL ROUTES.
2. ALL ELEMENTS OF CONSTRUCTION SHALL BE DONE IN SUCH A MANNER THAT AT THE END OF CLOSURE PERIODS, THE AREA WILL BE IN A CONDITION SUITABLE FOR PUBLIC USE AND SUBJECT TO APPROVAL BY THE GON OR ITS REPRESENTATIVE.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE OFF-SITE HAUL ROUTES WITH THE APPROPRIATE OWNER WHO HAS JURISDICTION OVER THE AFFECTED ROUTE. ON-SITE & OFF-SITE ROUTES AFFECTED BY THE CONSTRUCTION ACTIVITIES SHALL BE MAINTAINED IN WORKING ORDER AND SHALL MEET THE REQUIREMENTS OF THE GON OR ITS REPRESENTATIVE.
4. CONTRACTOR TO REINSTATE STORAGE AND STAGING SITES TO THEIR ORIGINAL CONDITIONS.
5. CONTRACTOR IS TO BEGIN WORK ASSOCIATED WITH PHASE 1 AND PROGRESS THROUGH TO PHASE 7. ALL WORK COMPLETED IN EACH PHASE SHALL BE ACCEPTED BY THE GON OR ITS REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF THE NEXT PHASE.
6. THE CONTRACTOR SHALL NOT CHANGE THE PHASING OF THE PROJECT UNLESS APPROVED BY THE GON OR ITS REPRESENTATIVE.
7. CONTRACTOR TO PROVIDE TRAFFIC MANAGEMENT PLAN PRIOR TO PROCEEDING WITH CONSTRUCTION.

BARRICADE NOTES:

1. CONTRACTOR TO USE APPROVED BARRICADES OR PYLONS TO DELINEATE OR DIRECT LOCAL TRAFFIC.

PHASING - SPECIAL RESTRICTIONS/INFORMATION:

1. PRIOR TO THE COMMENCEMENT OF ANY WORK DURING ANY PHASE, THE CONTRACTOR SHALL INFORM THE HAMLET OF THE PROPOSED WORKS.
2. EMERGENCY TRAFFIC SHALL HAVE RIGHT OF WAY THROUGHOUT THE DURATION OF THE PROJECT.
3. CONSTRUCTION VEHICLES AND MACHINERY SHALL COMPLY WITH ALL TRAFFIC REGULATIONS.
4. FULL PUBLIC ACCESS TO CORAL HARBOUR AIRPORT SHALL BE MAINTAINED AT ALL TIMES.
5. TRAFFIC SHALL NOT BE RE-ROUTED THROUGH BYPASS ROADS UNTIL APPROVED BARRICADES HAVE BEEN ERECTED.
6. CONTRACTOR IS TO MAINTAIN AND ENFORCE A MAXIMUM SPEED LIMIT OF 30 km/h ON ALL TEMPORARY BYPASS ROADS. CONTRACTOR SHALL SUPPLY SPEED LIMIT SIGNS AT EACH END OF THE CONSTRUCTION PHASING ZONES.



1 G1.04 TYPICAL CONSTRUCTION BARRICADE
SCALE: NTS

PHASE 1 NOTES:

DESCRIPTION OF WORK:

WORK IN THIS PHASE CONSISTS OF THE CONSTRUCTION OF CROSSING 7 TEMPORARY BYPASS ROAD TO RE-DIRECT TRAFFIC AROUND CONSTRUCTION AT CROSSING 7. WORK IN THIS PHASE SHALL ALSO INCLUDE:

- DEWATERING OR DIVERTING WATER TO CROSSING 4
- CLEARING/STRIPPING/LEVELLING THE FOOTPRINT AREA OVER WHICH THE TEMPORARY ROAD WILL BE CONSTRUCTED
- SUPPLYING AND PLACING GRAVEL FROM GRAVEL SOURCES 2 OR 3



PHASE 1

LEGEND	NOTES
↔ PUBLIC TRAFFIC/ACCESS	
↔ CONSTRUCTION TRAFFIC/ACCESS	

SCALE 1:1000
 0 10 20 30 40m

0	2/1/16	JDM	DNM	DNM	DESIGN DRAWINGS
NUM	DATE	DWN	CKD	APR	DESCRIPTION
					REVISIONS

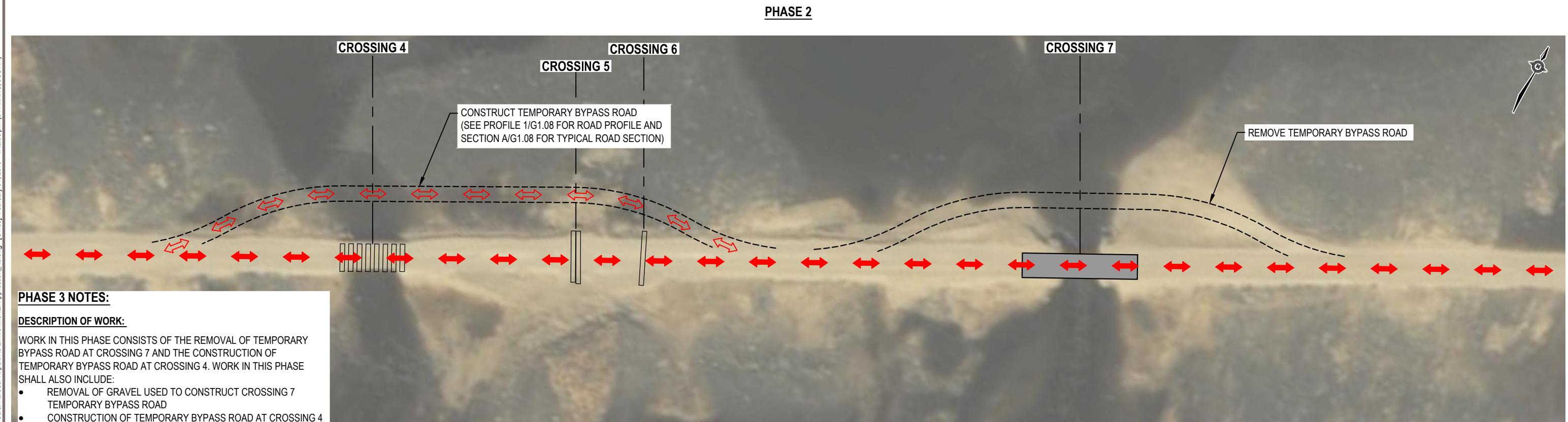
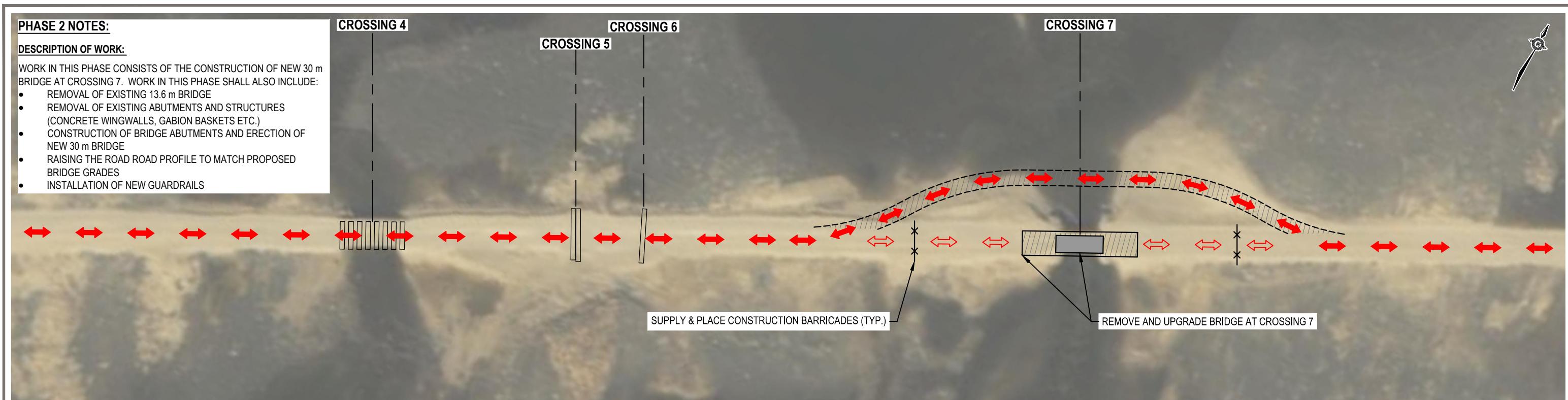
CLIENT
 Nunavut
 PROFESSIONAL SEAL

PROJECT NO.	OFFICE	DES	CKD	REV	DRAWING
V13203282	VANC	MAN	DNM	0	

AIRPORT RD. WASHOUT REHABILITATION CORAL HARBOUR, NU

GENERAL PHASING NOTES & PHASING PLAN PHASE 1

DATE	SHEET No.	APP	STATUS
February 1, 2016	of	JDM	-



LEGEND

↔ PUBLIC TRAFFIC/ACCESS

↔ CONSTRUCTION TRAFFIC/ACCESS

SCALE 1:1000

0 10 20 40m

NOTES

CLIENT

AIRPORT RD. WASHOUT REHABILITATION
CORAL HARBOUR, NU

PHASING PLAN
PHASE 2 & 3

PROFESSIONAL SEAL

PROJECT NO. V13203282 **OFFICE** VANC **DES** MAN **CKD** DNM **REV** 0 **DRAWING** G1.05

TETRA TECH EBA **BUCKLAND & TAYLOR** **COWI**

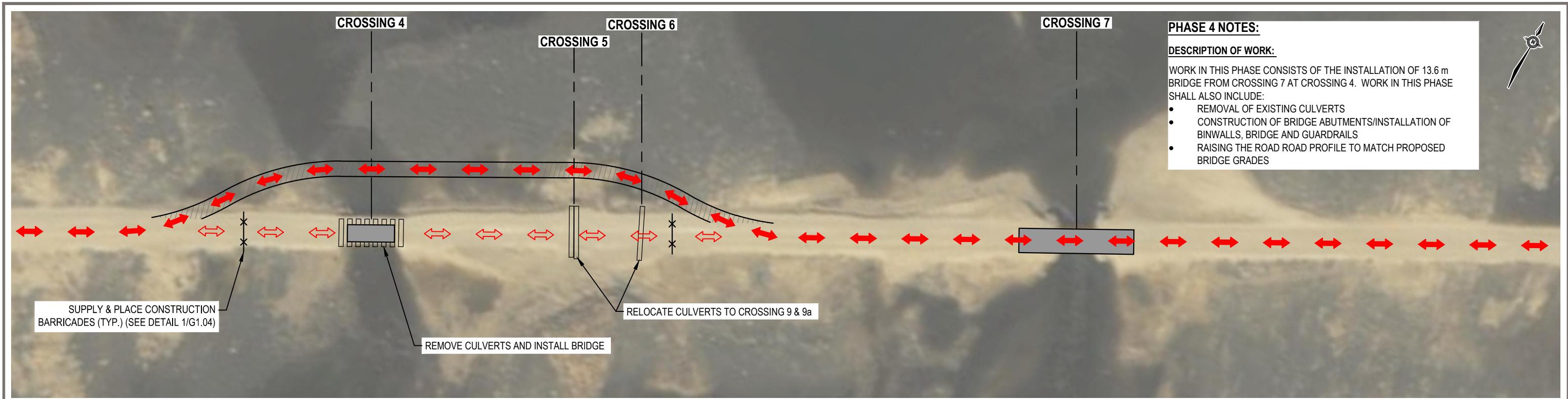
DATE February 1, 2016 **SHEET No.** of 1 **APP** DNM **STATUS** -

0 2/1/16 JDM DNM DNM DESIGN DRAWINGS

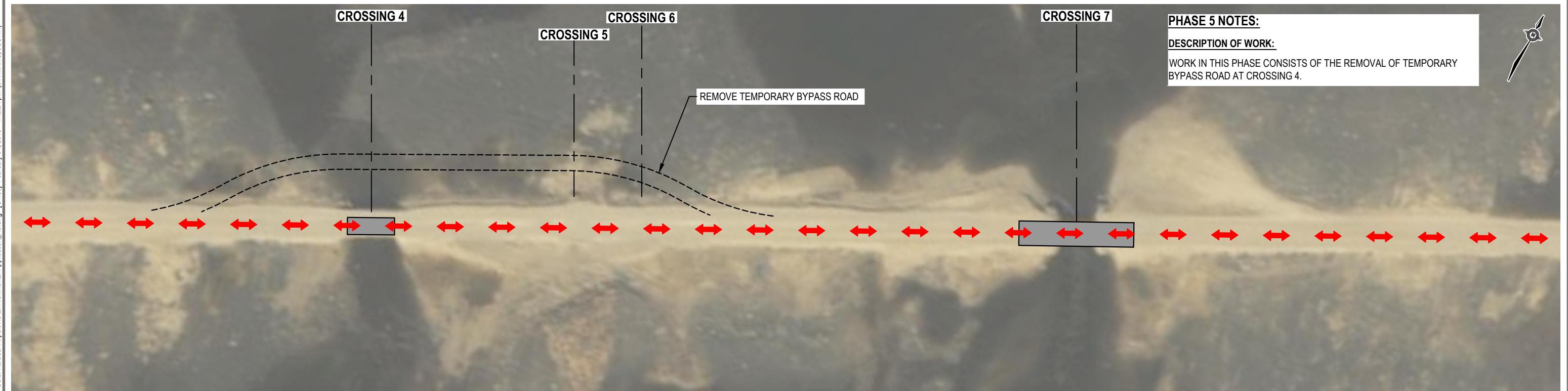
NUM DATE DWN CKD APR

DESCRIPTION

REVISIONS



PHASE 4



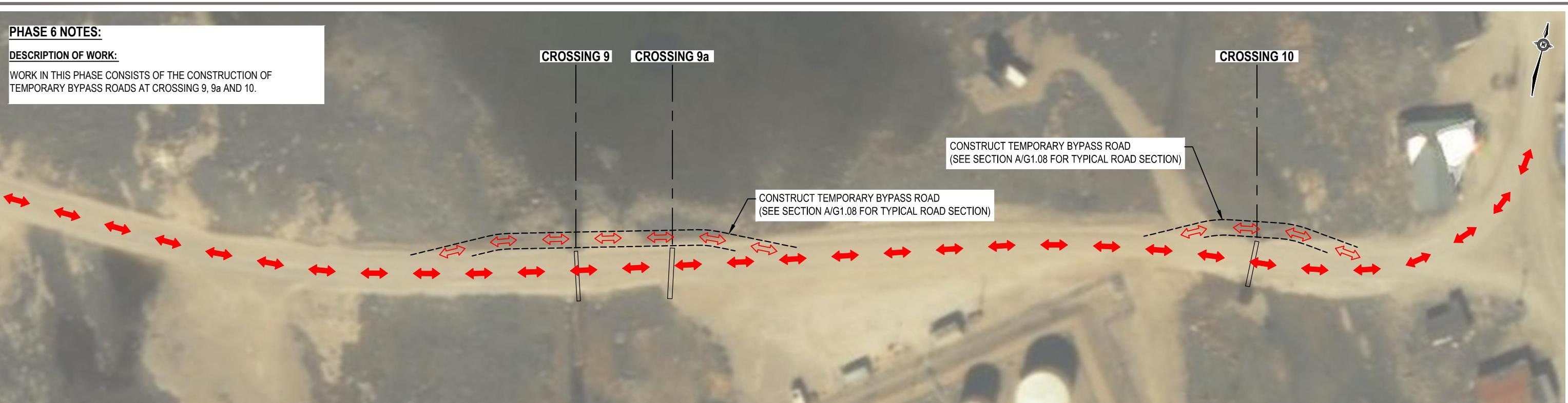
PHASE 5

LEGEND	NOTES
↔ PUBLIC TRAFFIC/ACCESS	
↔ CONSTRUCTION TRAFFIC/ACCESS	
SCALE 1:1000	

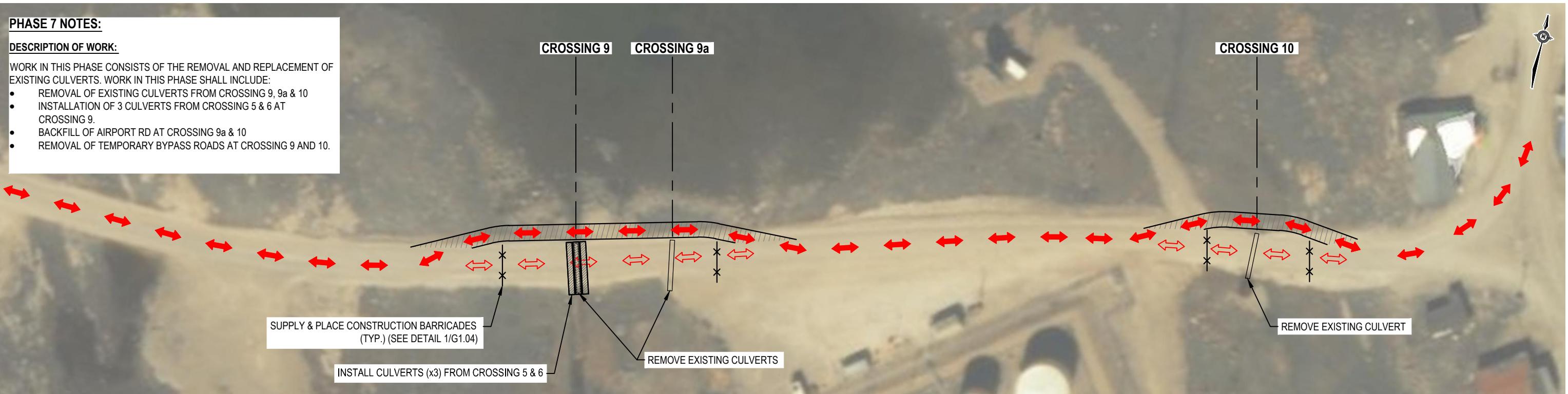
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NUM	DATE	DWN	CKD	APR	DESCRIPTION
					REVISIONS



PROJECT NO.	OFFICE	DES	CKD	REV	DRAWING
VANC	MAN	DNM	DNM	0	G1.06
V13203282					
DATE	SHEET No.	DWN	APP	STATUS	
February 1, 2016	of	JDM	DNM	-	



PHASE 6



PHASE 7

LEGEND	NOTES
↔	PUBLIC TRAFFIC/ACCESS
↔	CONSTRUCTION TRAFFIC/ACCESS
SCALE 1:1000	

0	2/1/16	JDM	DNM	DNM	DESIGN DRAWINGS
NUM	DATE	DWN	CKD	APR	DESCRIPTION
					REVISIONS

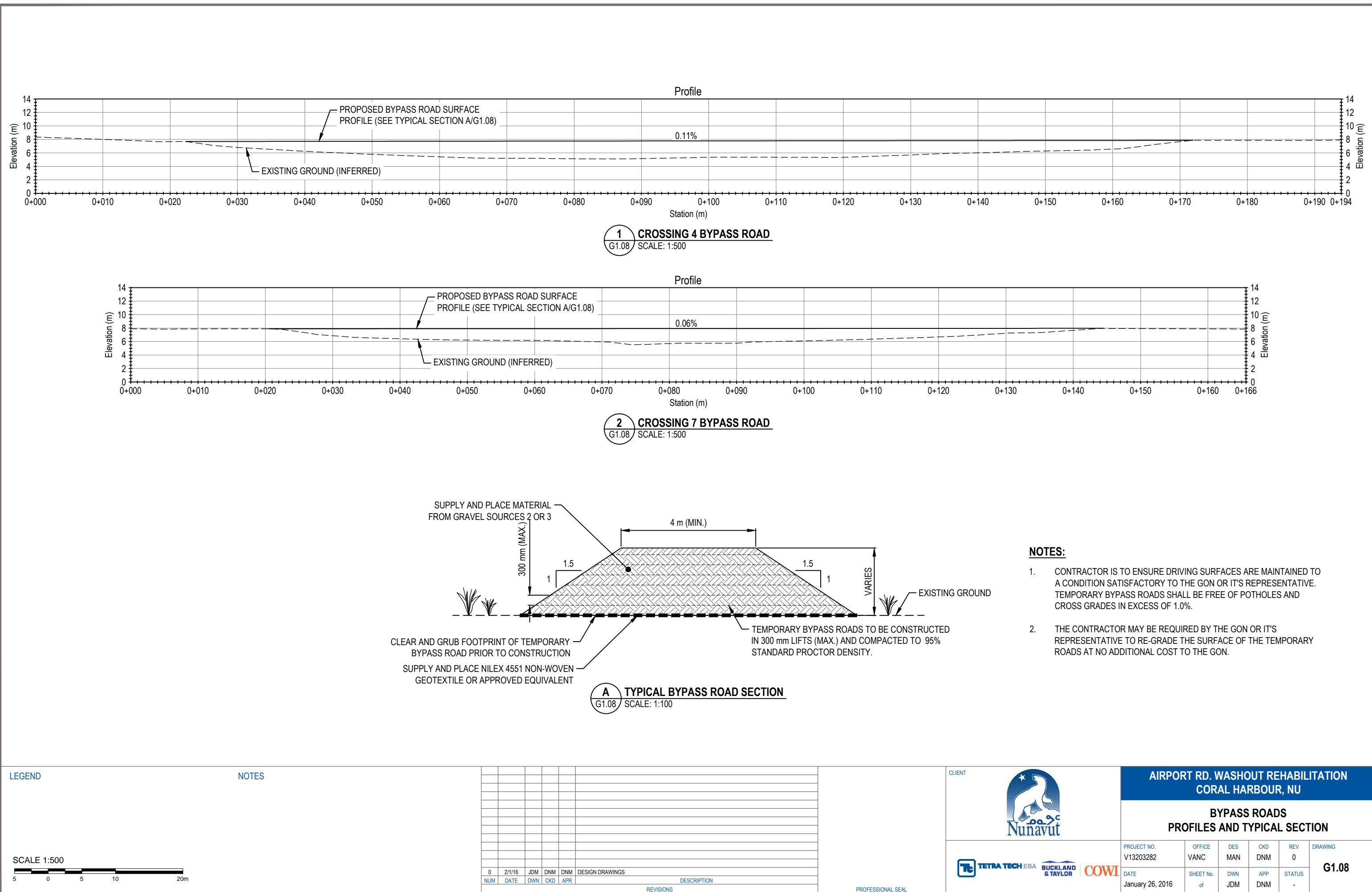
PROFESSIONAL SEAL

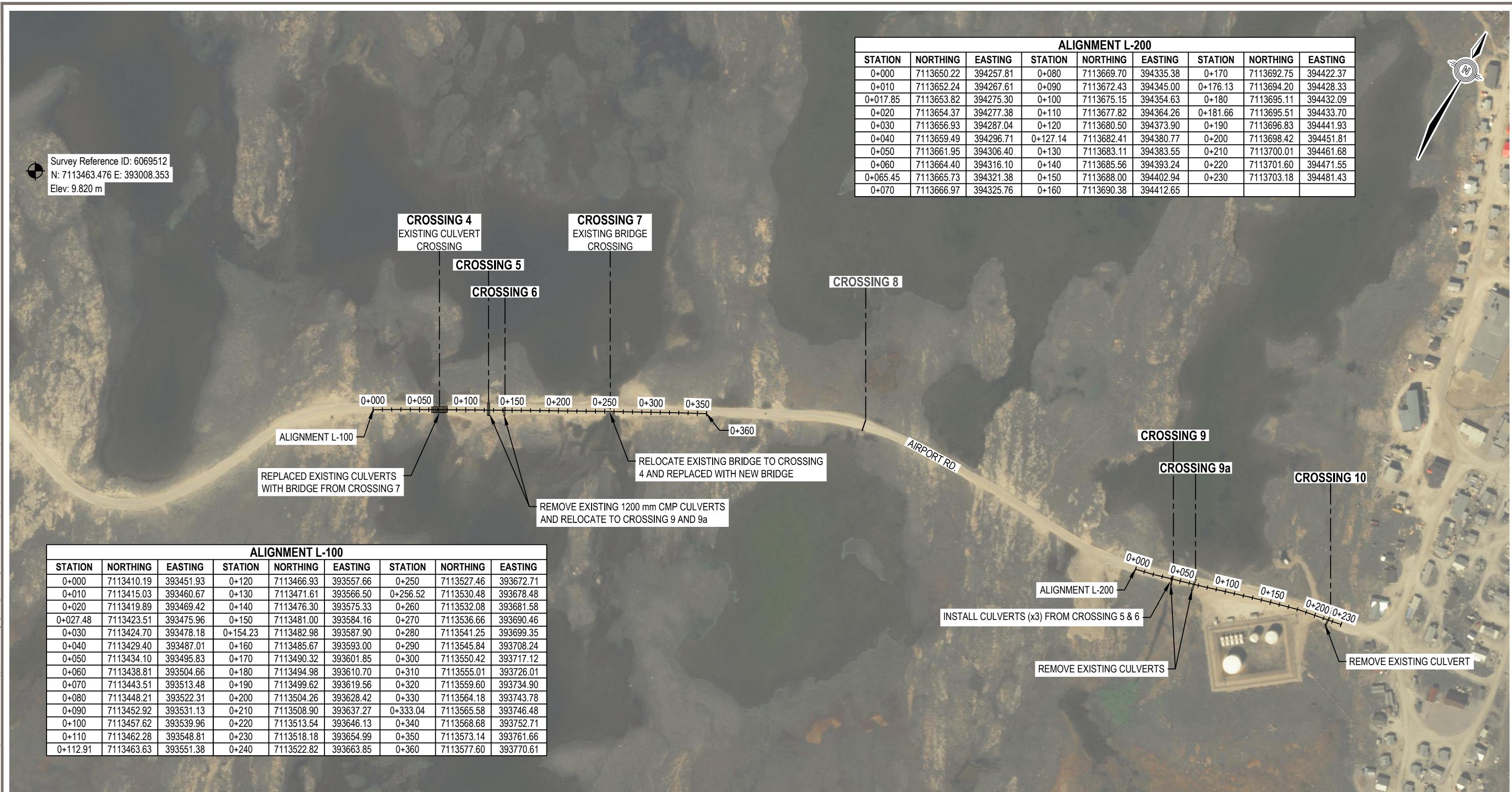


**AIRPORT RD. WASHOUT REHABILITATION
CORAL HARBOUR, NU**

**PHASING PLAN
PHASE 6 & 7**

PROJECT NO.	OFFICE	DES	CKD	REV	DRAWING
V13203282				0	G1.07
DATE	SHEET No.	DWN	APP	STATUS	
February 1, 2016	of	JDM	DNM	-	





LEGEND

NOTES

- Survey of Airport Rd completed by Sub-Arctic Surveys Ltd. on July 29, 2013. Survey extents are limited to Airport Rd prism. Existing ground beyond toe of Airport Rd is inferred and based on site observations.

SCALE 1:4000
0 40 100 160m

SITE PLAN
SCALE: 1:2000

0	2/1/16	JDM	DNM	DNM	DESIGN DRAWINGS
NUM	DATE	DWN	CKD	APR	DESCRIPTION
					REVISIONS

PROFESSIONAL SEAL



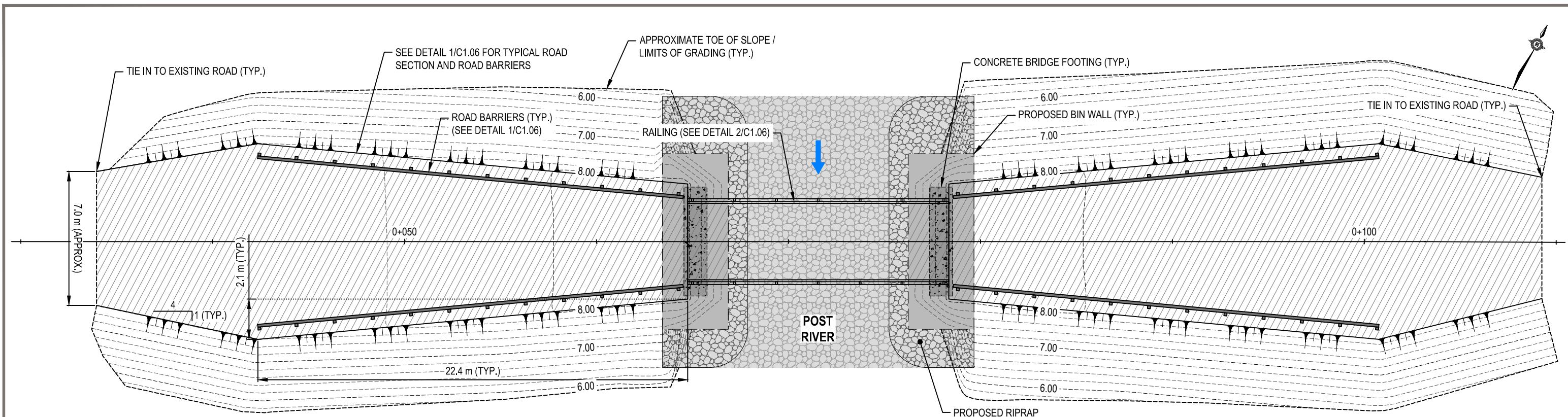
AIRPORT RD. WASHOUT REHABILITATION
CORAL HARBOUR, NU

OVERALL SITE PLAN

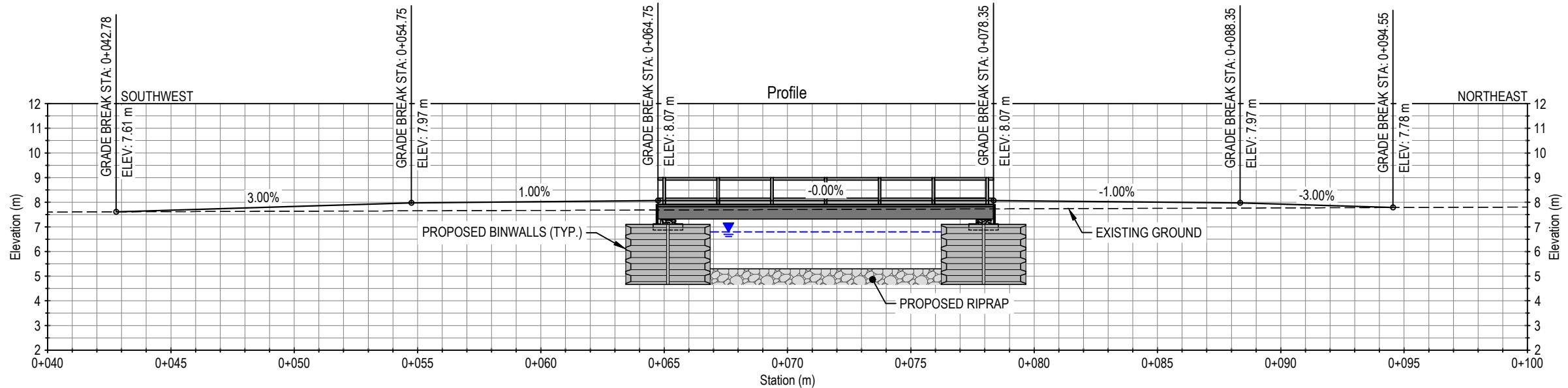
TETRA TECH EBA BUCKLAND & TAYLOR COWI

PROJECT NO.	OFFICE	DES	CKD	REV	DRAWING
V13203282	VANC	MAN	DNM	0	C1.00

DATE	SHEET No.	APP	STATUS
February 1, 2016	of	JDM	-



PLAN
SCALE: 1:200



1 C1.01 CROSSING 4 AIRPORT ROAD
SCALE: 1:200

DESIGN SPEED: 60 km/h

ISSUED FOR REVIEW

LEGEND
Major Contours (1.0 m)
Minor Contours 0.2 m)

NOTES
1. Survey of Airport Rd completed by Sub-Arctic Surveys Ltd. on July 29, 2013. Survey extents are limited to Airport Rd prism. Existing ground beyond toe of Airport Rd is inferred and based on site observations.

SCALE 1:200
0 2 4 8m

0	2/1/16	JDM	DNM	DNM	DESIGN DRAWINGS
NUM	DATE	DWN	CKD	APR	DESCRIPTION
					REVISIONS
					PROFESSIONAL SEAL



AIRPORT RD. WASHOUT REHABILITATION
CORAL HARBOUR, NU

CROSSING 4
PLAN & PROFILE

TETRA TECH EBA BUCKLAND & TAYLOR COWI

PROJECT NO.	OFFICE	DES	CKD	REV	DRAWING
VANC	MAN	DNM	DNM	0	C1.01
V13203282	DWN	APP	STATUS	-	

DATE
February 1, 2016

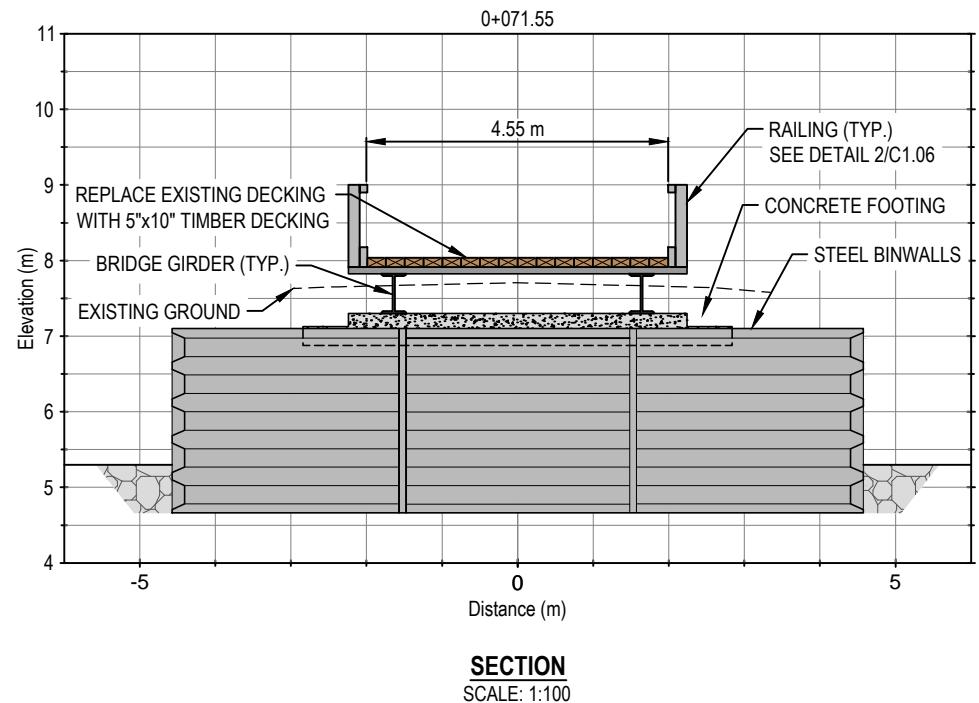
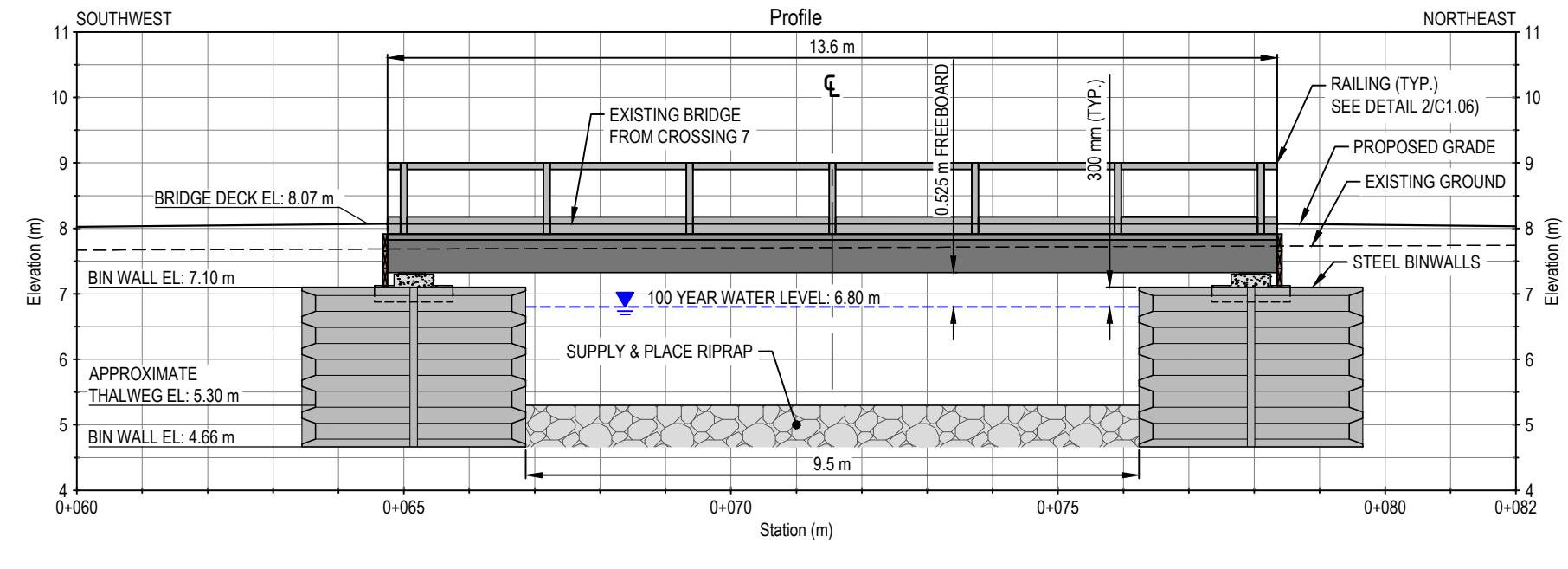
SHEET No.
of

JDM

DNM

APP

STATUS



DESIGN SPEED: 60 km/h

LEGEND

NOTE

SCALE 1:100

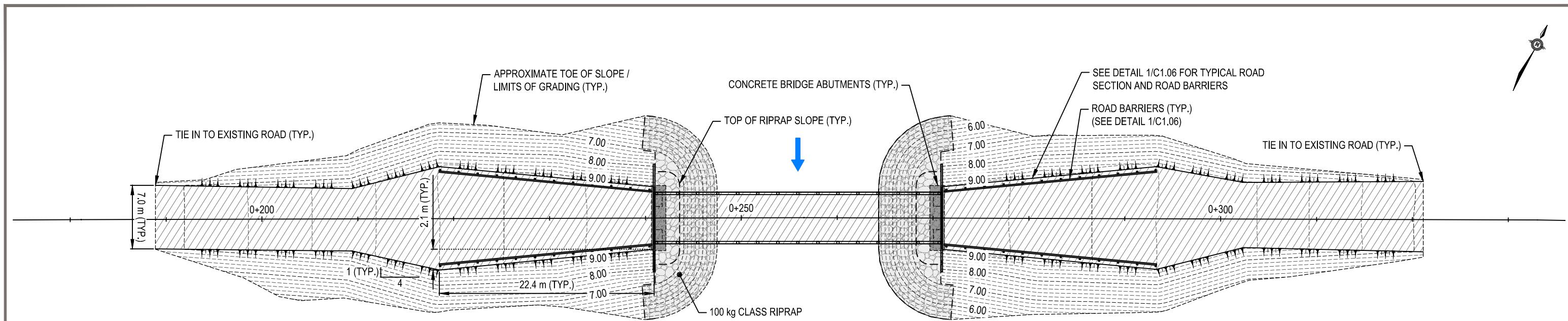
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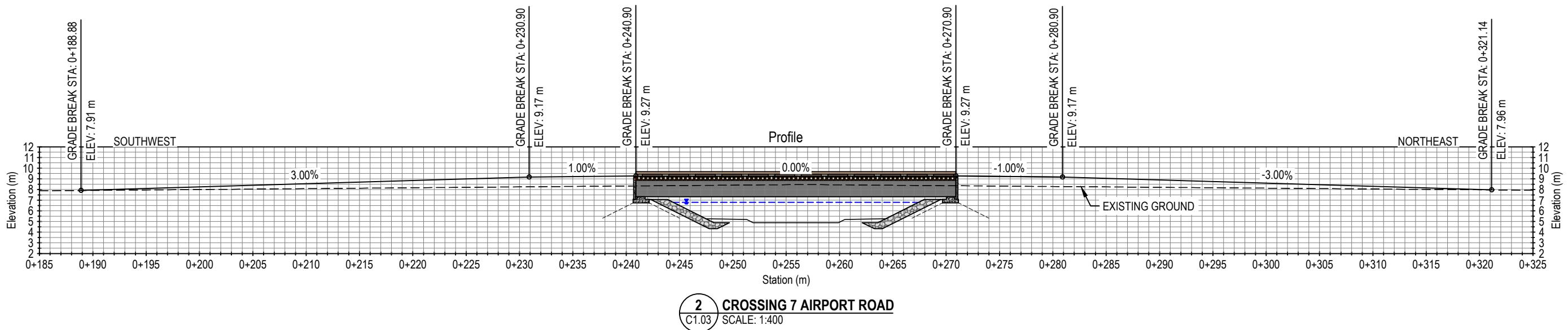
AIRPORT RD. WASHOUT REHABILITATION CORAL HARBOUR, NU

CROSSING 4 BRIDGE ELEVATION AND SECTION

WI	PROJECT NO. V13203282	OFFICE VANC	DES MAN	CKD DNM	REV 0	DRAWING C1.02
	DATE February 1, 2016	SHEET No. of	DWN JDM	APP DNM	STATUS -	



PLAN
SCALE: 1:400



DESIGN SPEED: 60 km/h

ISSUED FOR REVIEW

LEGEND

- Major Contours (1.0 m)
- Minor Contours 0.2 m)

SCALE 1:400
0 4 10 16m

NOTES

- Survey of Airport Rd completed by Sub-Arctic Surveys Ltd. on July 29, 2013. Survey extents are limited to Airport Rd prism. Existing ground beyond toe of Airport Rd is inferred and based on site observations.

0	2/1/16	JDM	DNM	DNM	DESIGN DRAWINGS
NUM	DATE	DWN	CKD	APR	DESCRIPTION
					REVISIONS
					PROFESSIONAL SEAL



**AIRPORT RD. WASHOUT REHABILITATION
CORAL HARBOUR, NU**

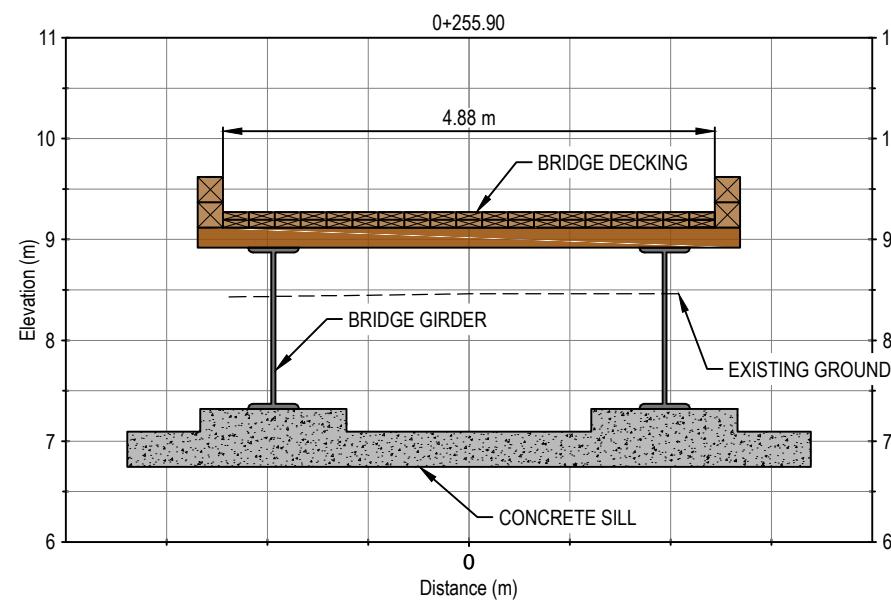
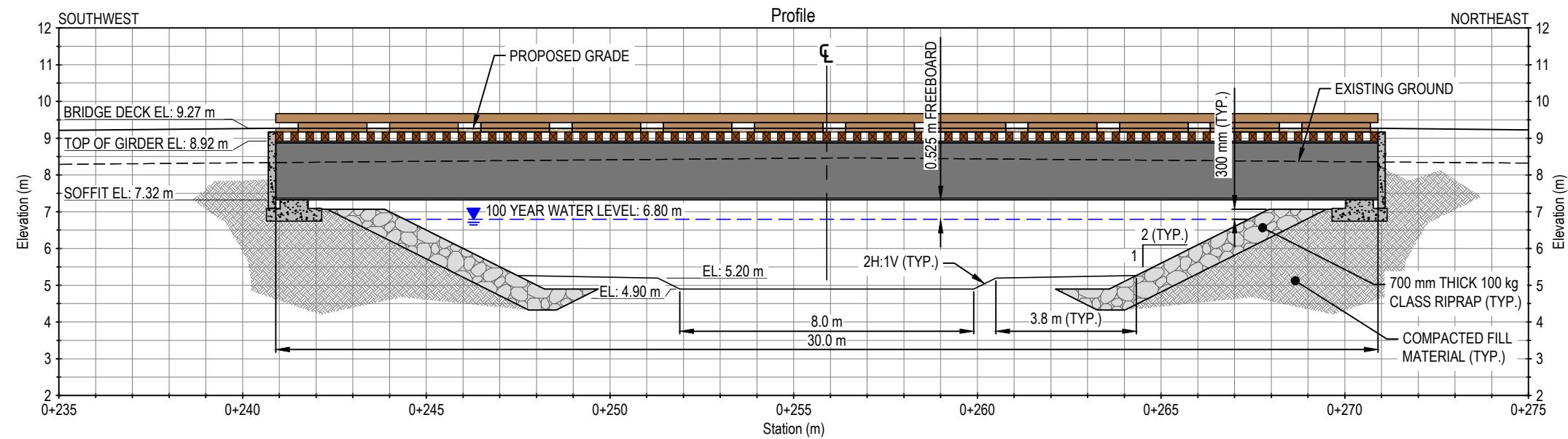
**CROSSING 7
PLAN & PROFILE**

TETRA TECH EBA BUCKLAND & TAYLOR COWI

PROJECT NO.	OFFICE	DES	CKD	REV	DRAWING
VANC	MAN	DNM	DNM	0	C1.03
V13203282					

DATE
February 1, 2016

SHEET No.
of
DWN
JDM
APP
DNM
STATUS
-



DESIGN SPEED: 60 km/h

LEGEND

NOTES

SCALE AS SHOWN

0	2/1/16	JDM	DNM	DNM	DESIGN DRAWINGS
NUM	DATE	DWN	CKD	APR	DESCRIPTION
REVISIONS					
PROFESSIONAL SEAL					

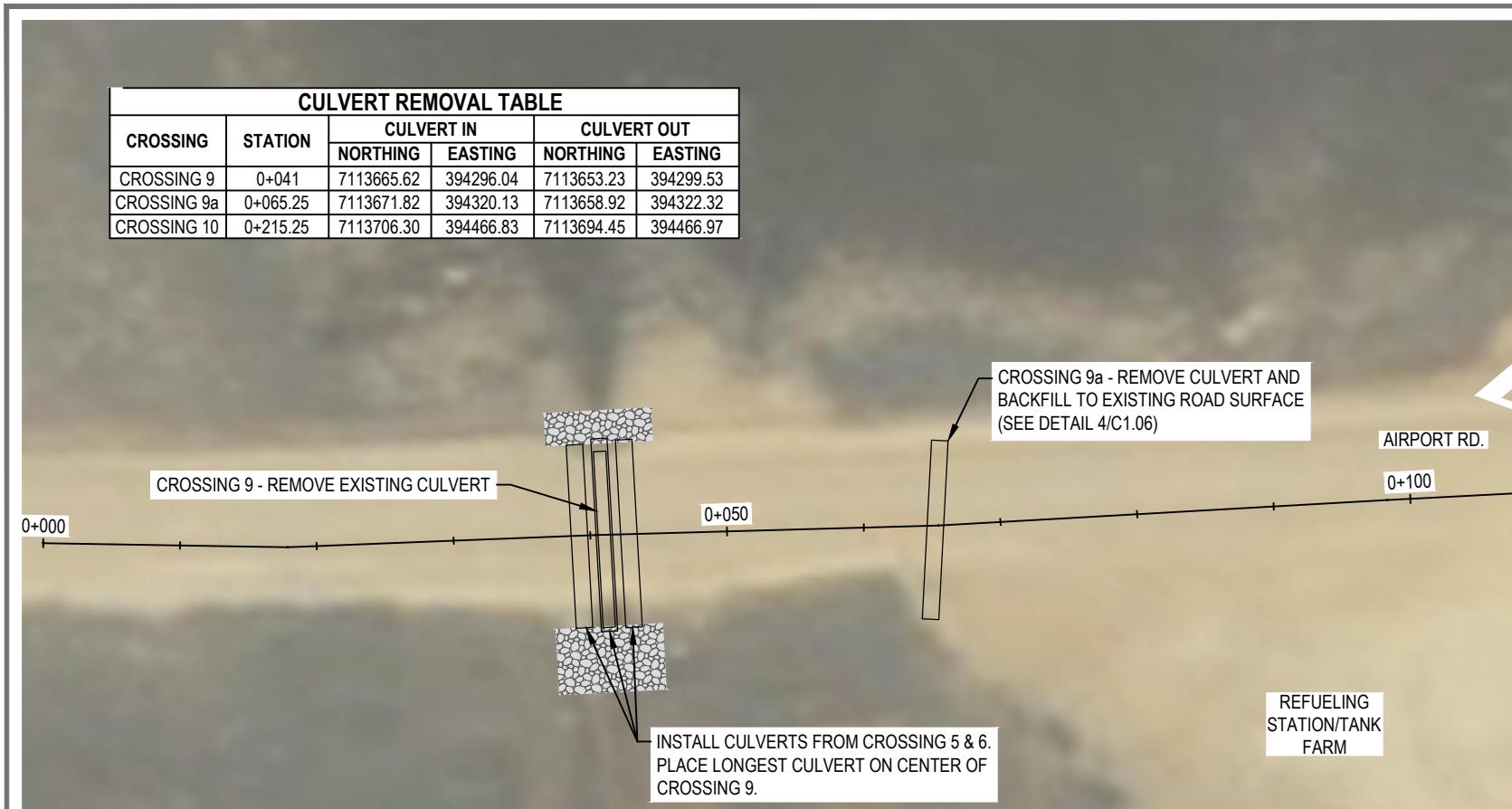


**AIRPORT RD. WASHOUT REHABILITATION
CORAL HARBOUR, NU**

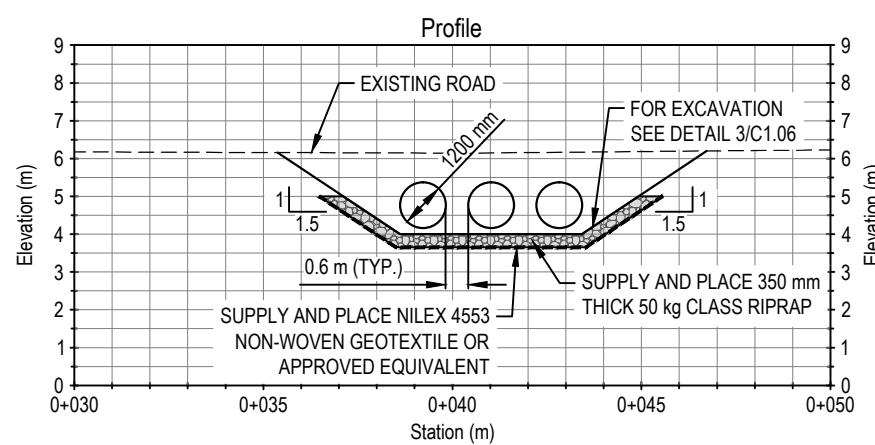
**CROSSING 7
BRIDGE ELEVATION & SECTION**



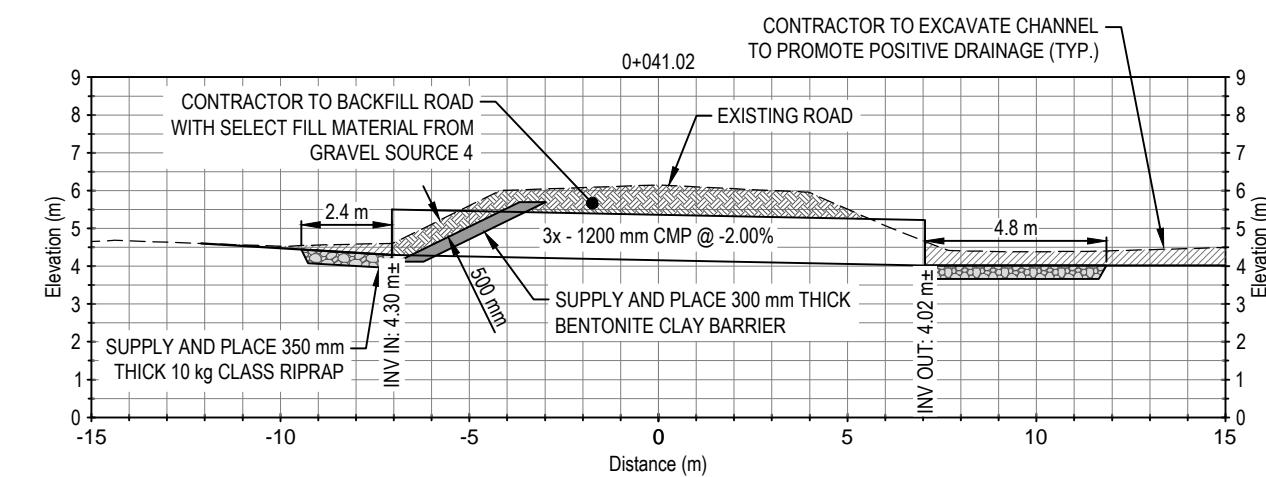
PROJECT NO.	OFFICE	DES	CKD	REV	DRAWING
V13203282	VANC	MAN	DNM	0	C1.04
February 1, 2016	SHEET No.	DWN	APP	STATUS	-



PLAN
SCALE: 1:500



3 CROSSING 9 AIRPORT ROAD PROFILE
C1.05 SCALE: 1:200



CROSSING 9 CULVERT CROSS SECTION
SCALE: 1:200

DESIGN SPEED: 60 km/h

LEGEND

NOTES

- Survey of Airport Rd completed by Sub-Arctic Surveys Ltd. on July 29, 2013. Survey extents are limited to Airport Rd prism. Existing ground beyond toe of Airport Rd is inferred and based on site observations.
- Culvert crossing excavation in channel may vary from what is shown on plans as per Note 1.

SCALE 1:500
0 5 10 20m

0	2/1/16	JDM	DNM	DNM	DESIGN DRAWINGS
NUM	DATE	DWN	CKD	APR	DESCRIPTION
					REVISIONS
					PROFESSIONAL SEAL

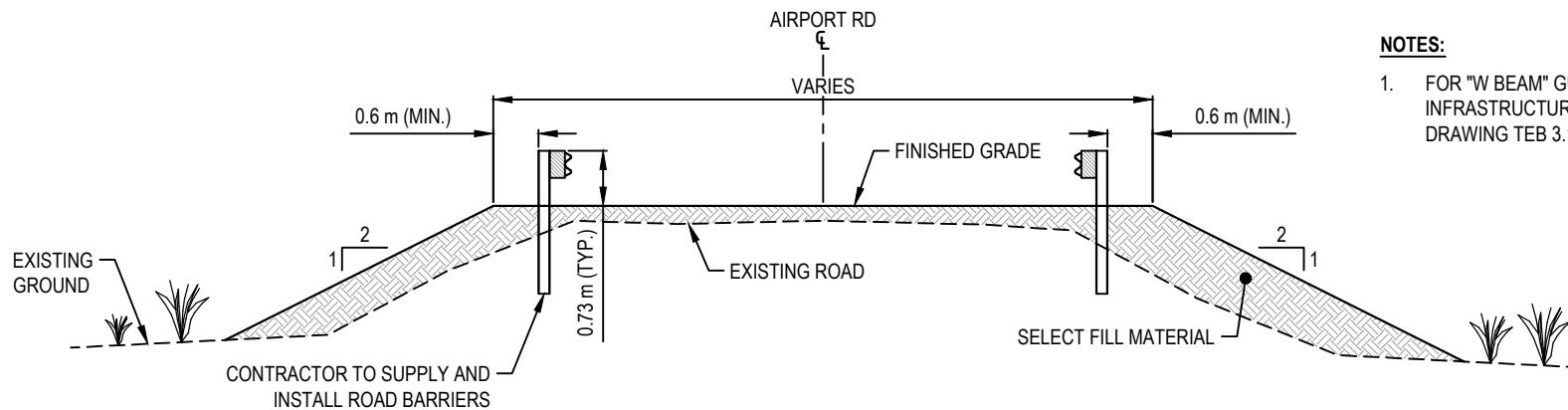


**AIRPORT RD. WASHOUT REHABILITATION
CORAL HARBOUR, NU**

**CROSSING 9 & 10
CULVERT REMOVAL & REPLACEMENT**

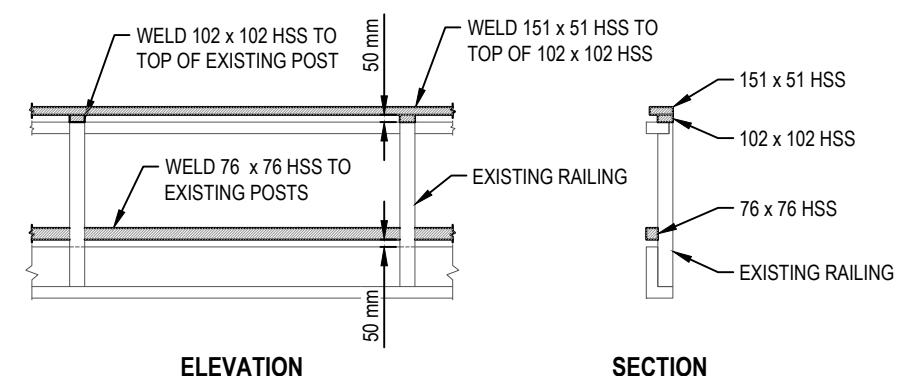


PROJECT NO.	OFFICE	DES	CKD	REV	DRAWING
V13203282	VANC	MAN	DNM	1	C1.05
February 1, 2016	SHEET No. of	DWN	APP	STATUS	-

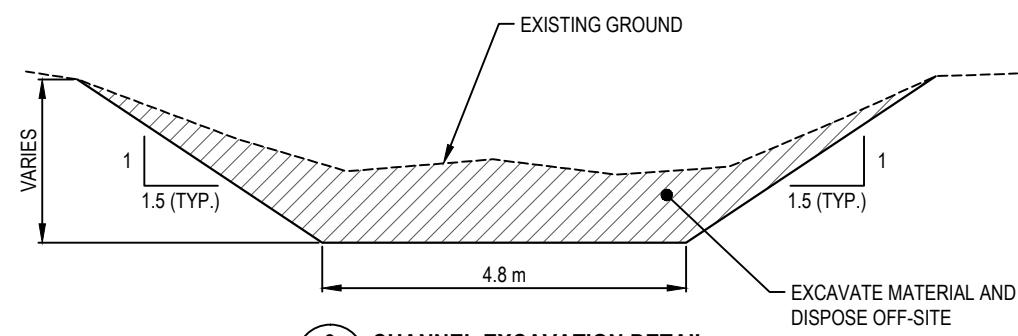


1 TYPICAL ROAD SECTION & BARRIER DETAIL
C1.06 SCALE: 1:100

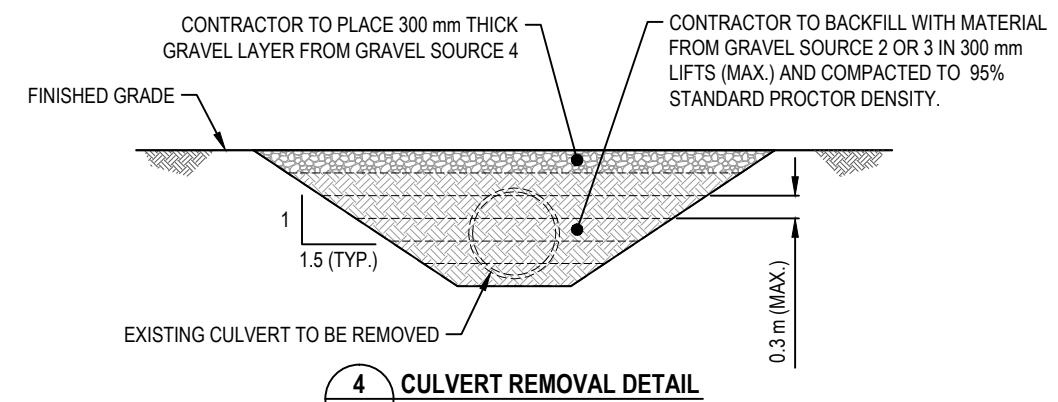
NOTES:
1. FOR "W BEAM" GUARDRAIL DETAIL SEE ALBERTA INFRASTRUCTURE AND TRANSPORTATION DRAWING TEB 3.16a (DETAIL B).



2 BRIDGE RAILING DETAIL
C1.06 SCALE: 1:50

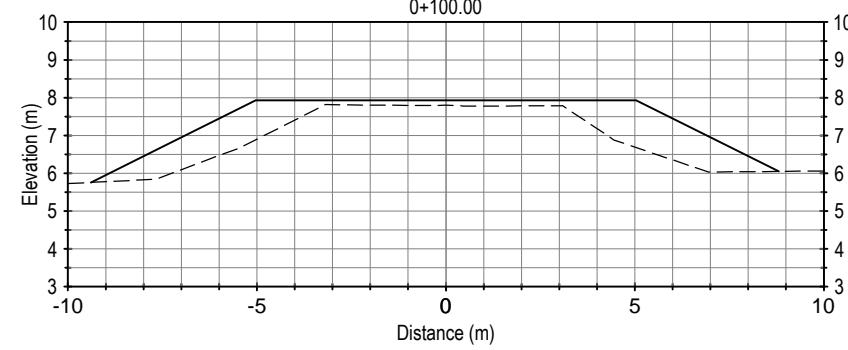
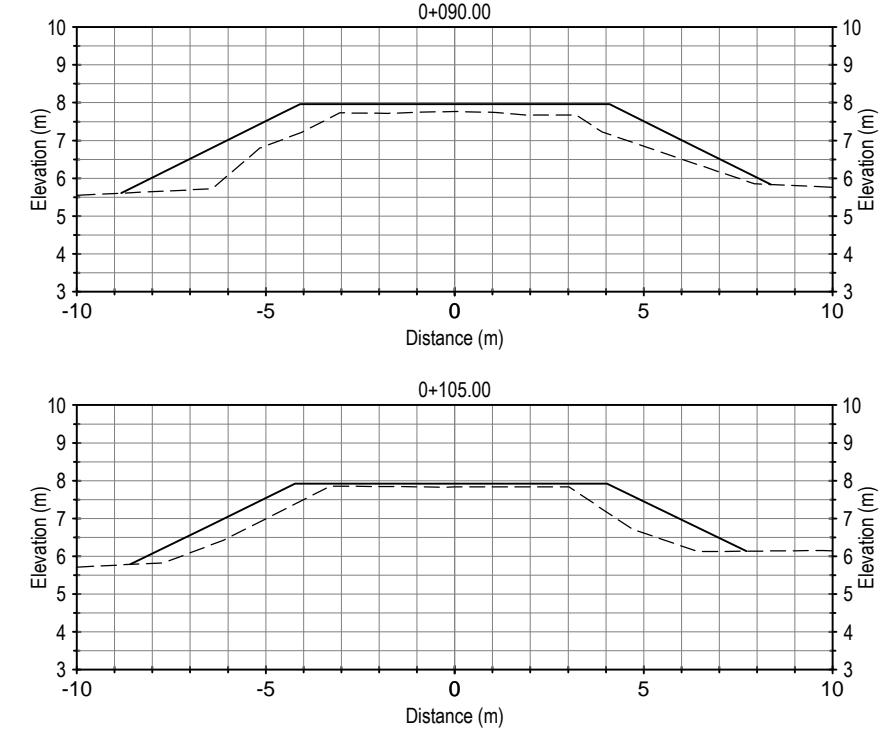
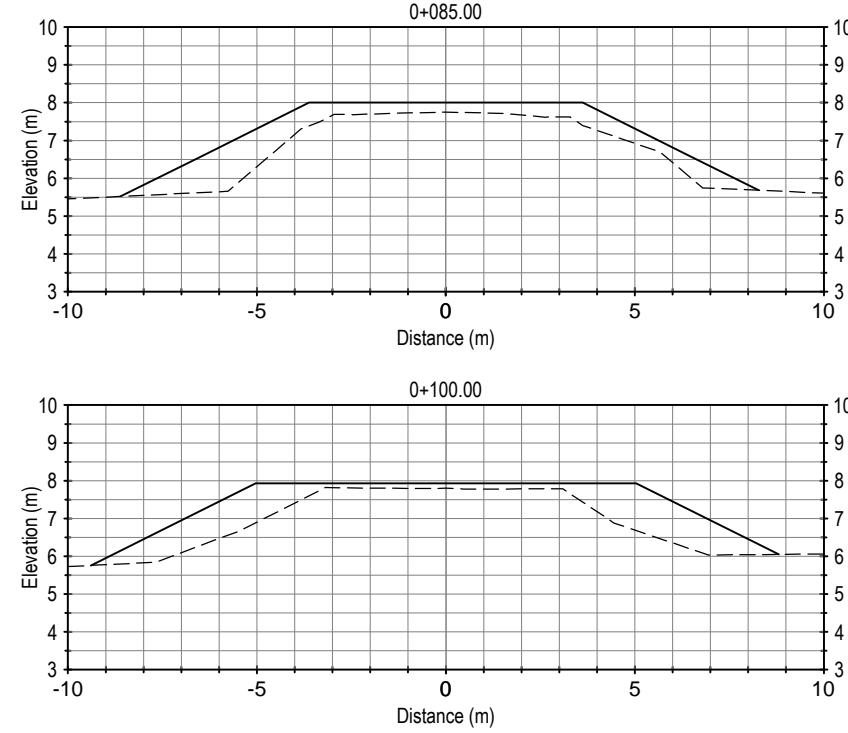
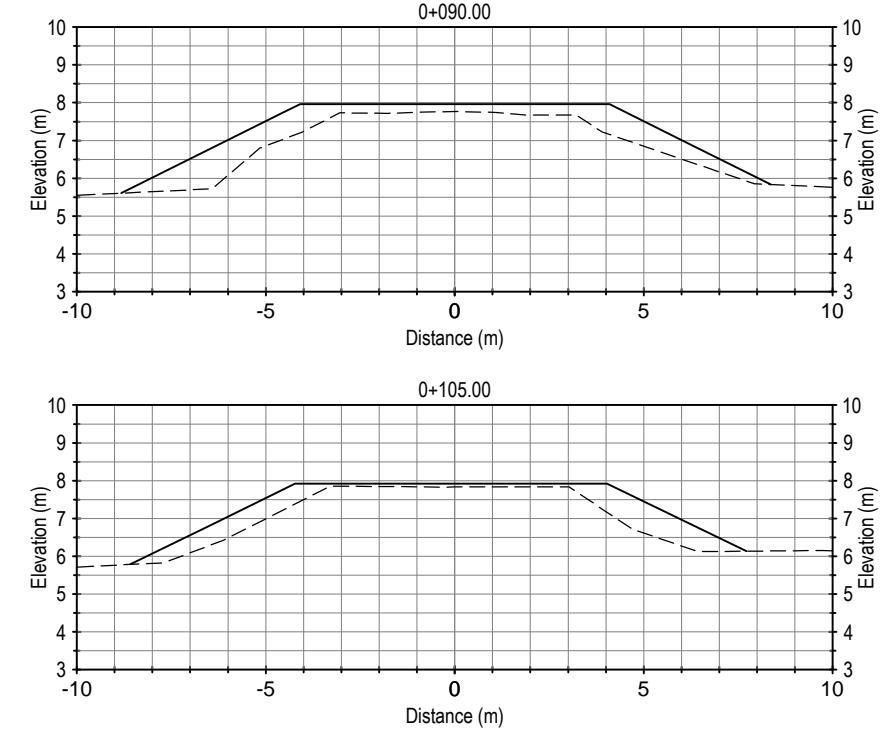
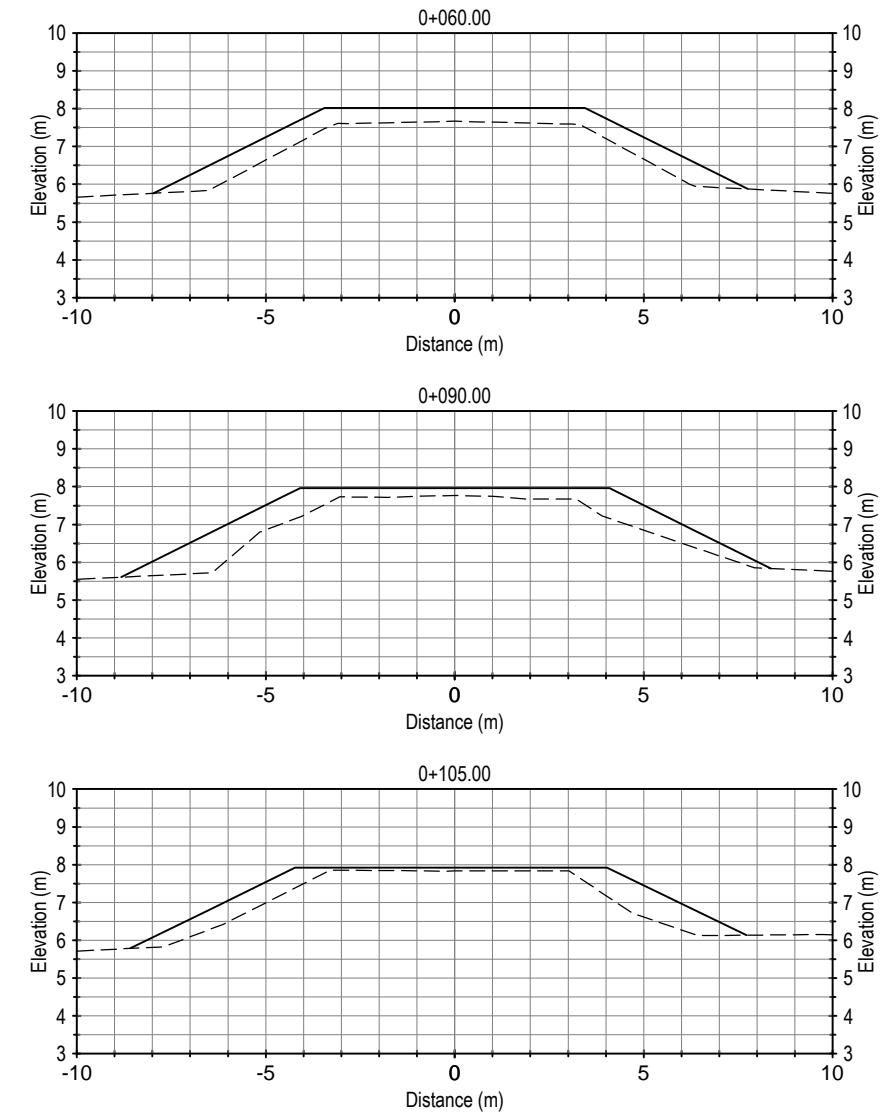
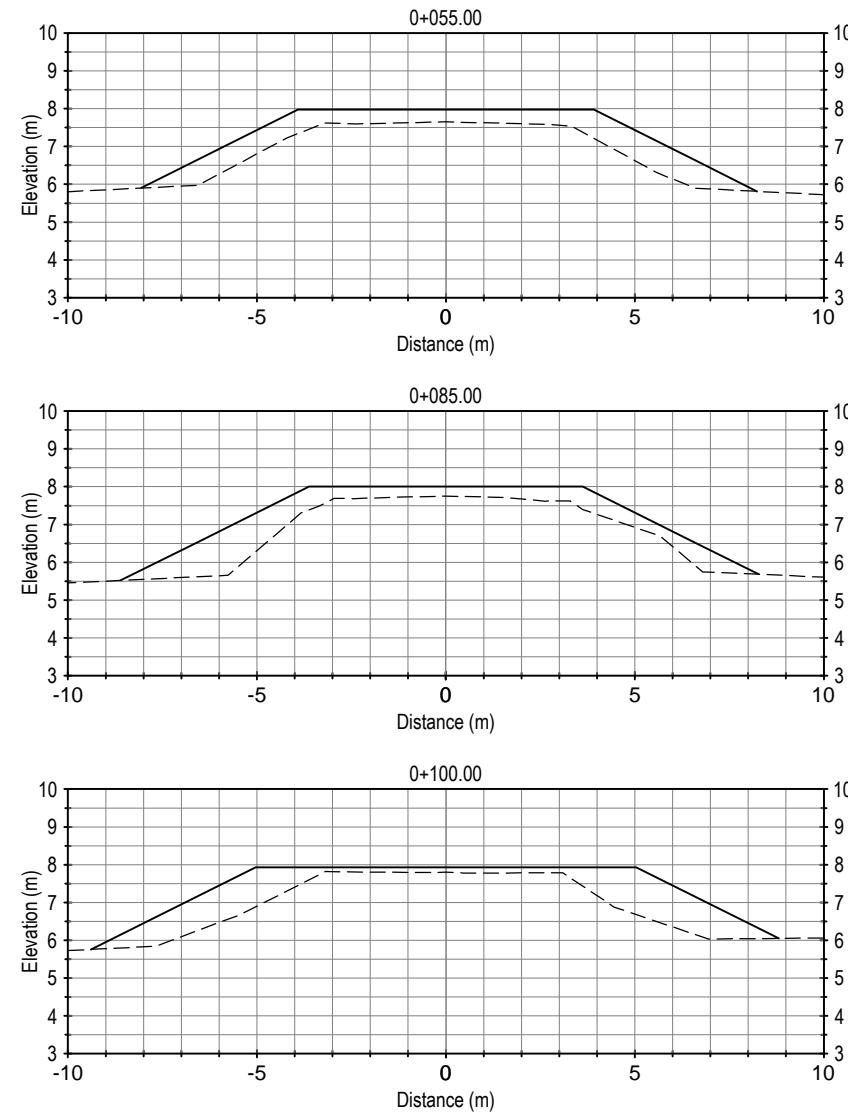
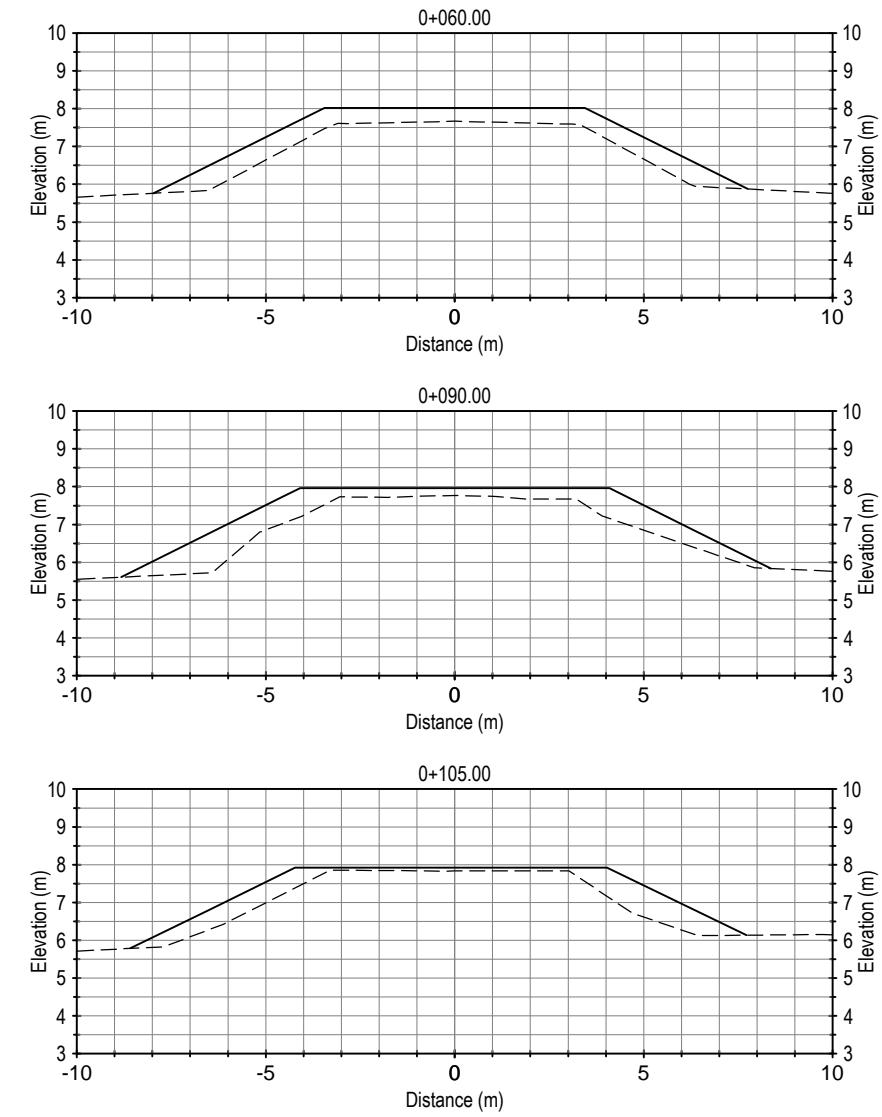
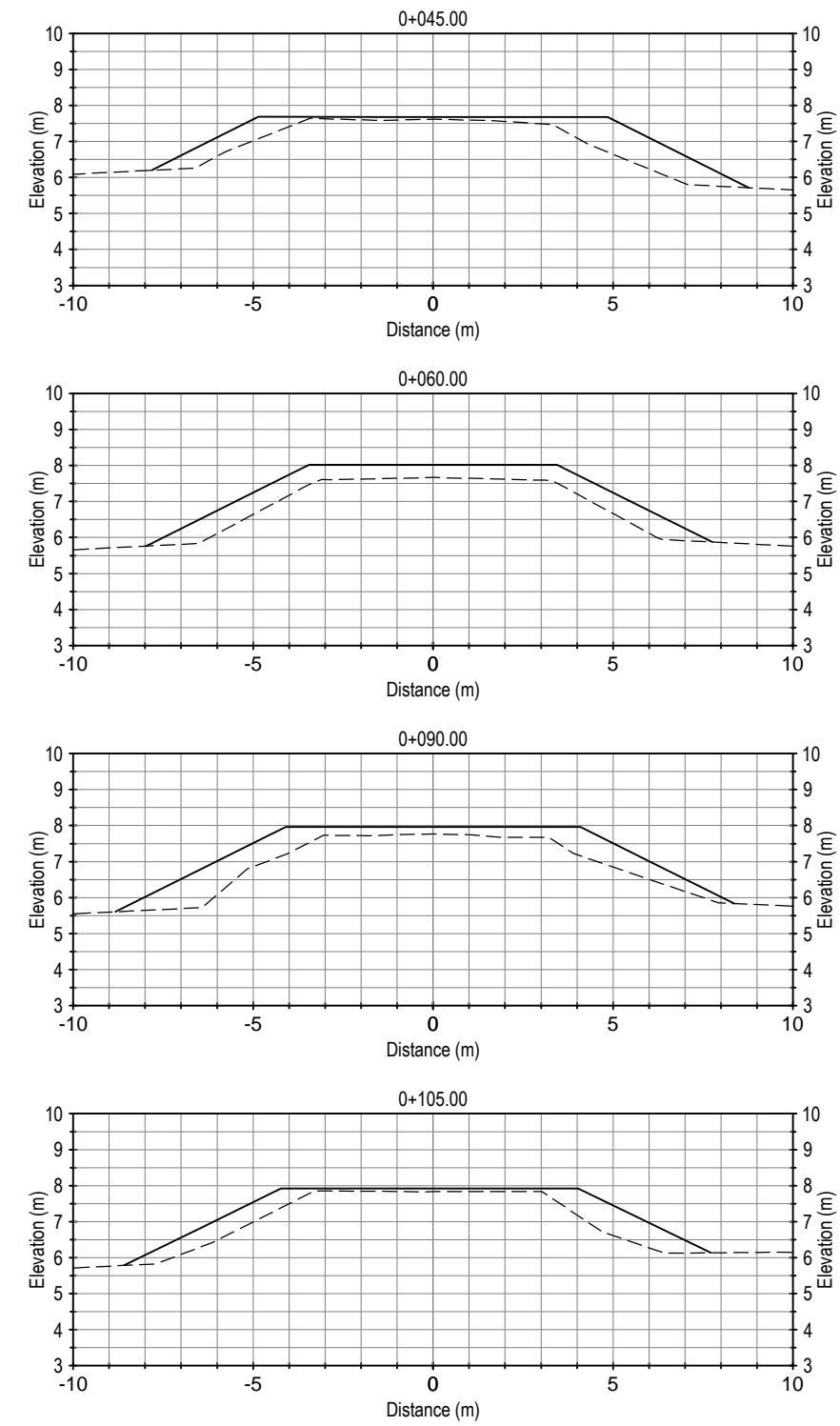
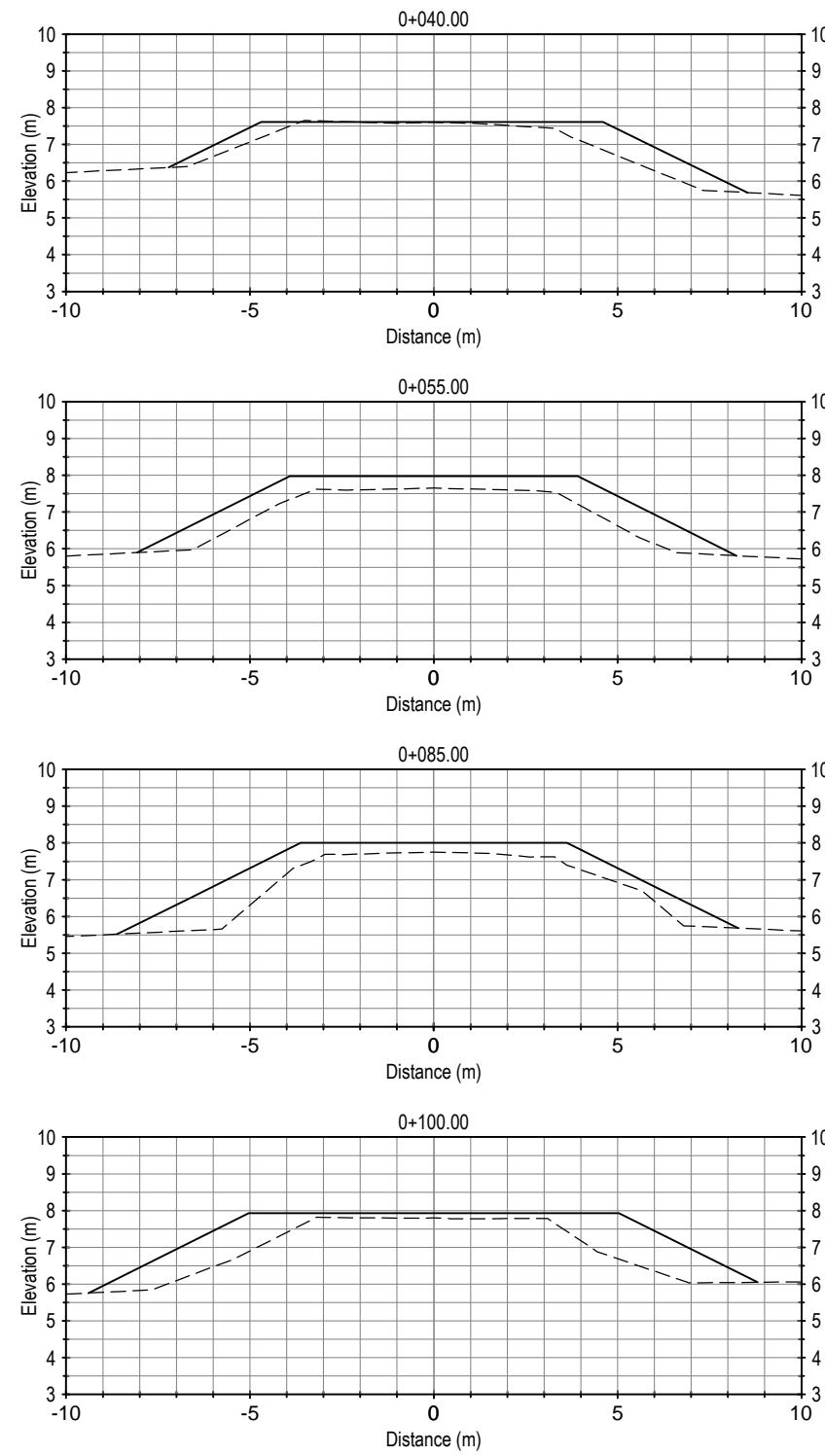
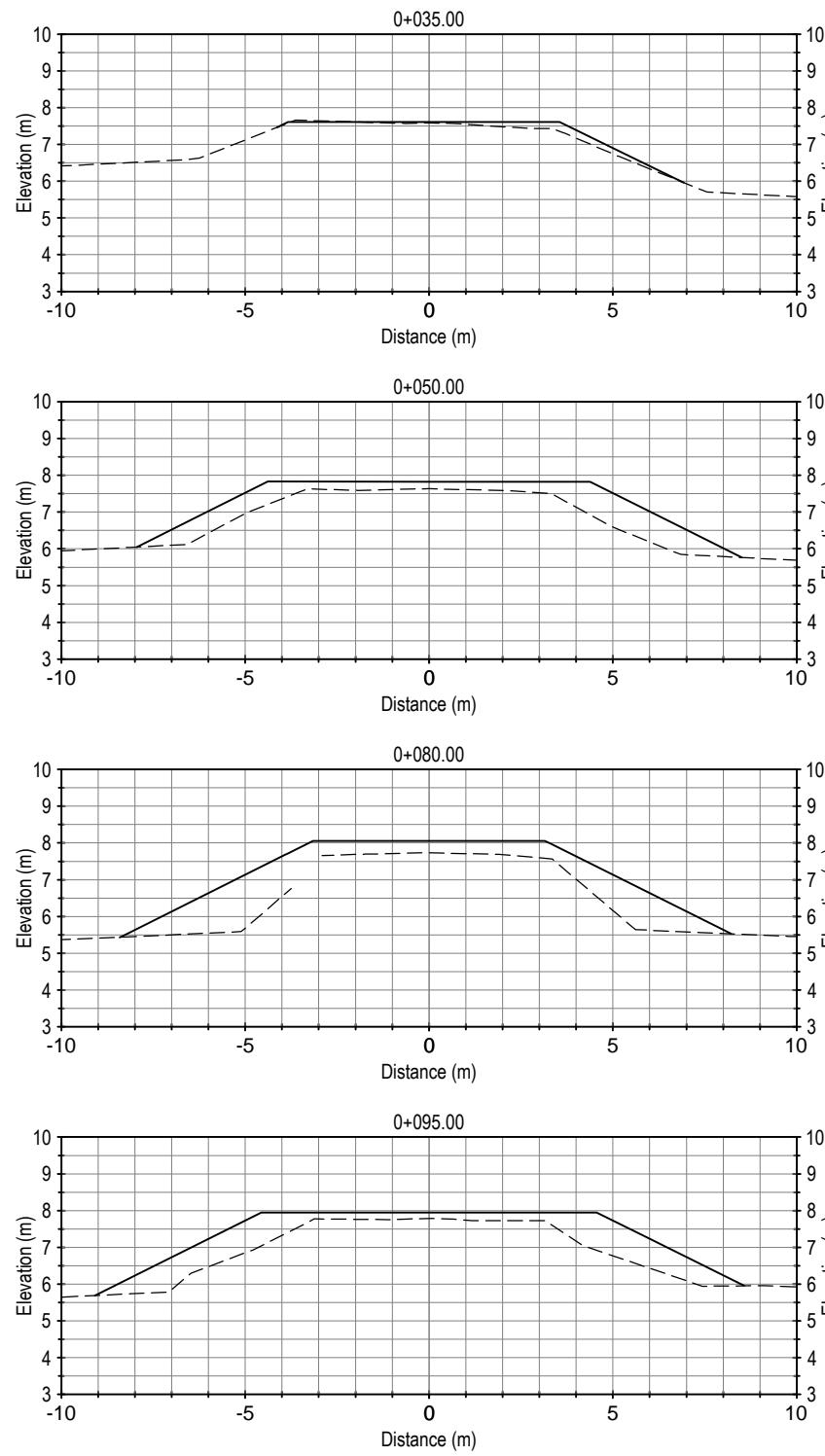


3 CHANNEL EXCAVATION DETAIL
C1.06 SCALE: 1:200



4 CULVERT REMOVAL DETAIL
C1.06 SCALE: NTS

0	2/1/16	JDM	DNM	DNM	DESIGN DRAWINGS
NUM	DATE	DWN	CKD	APR	DESCRIPTION
REVISIONS					
PROFESSIONAL SEAL					



0	2/1/16	JDM	DNM	DNM	DESIGN DRAWINGS
NUM	DATE	DWN	CKD	APR	
DESCRIPTION					
REVISIONS					

CLIENT	AIRPORT RD. WASHOUT REHABILITATION CORAL HARBOUR, NU				
CROSSING 4 5 m CROSS SECTIONS					
TETRA TECH EBA	BUCKLAND & TAYLOR	COWI	PROJECT NO.	OFFICE	DES
			V13203282	VANC	MAN
			DATE	SHEET No.	CKD
			February 1, 2016	of	DNM
				JDM	APP
					STATUS
				-	
DRAWING	C1.07				



AIRPORT RD. WASHOUT REHABILITATION
CORAL HARBOUR, NU

CROSSING 4
5 m CROSS SECTIONS



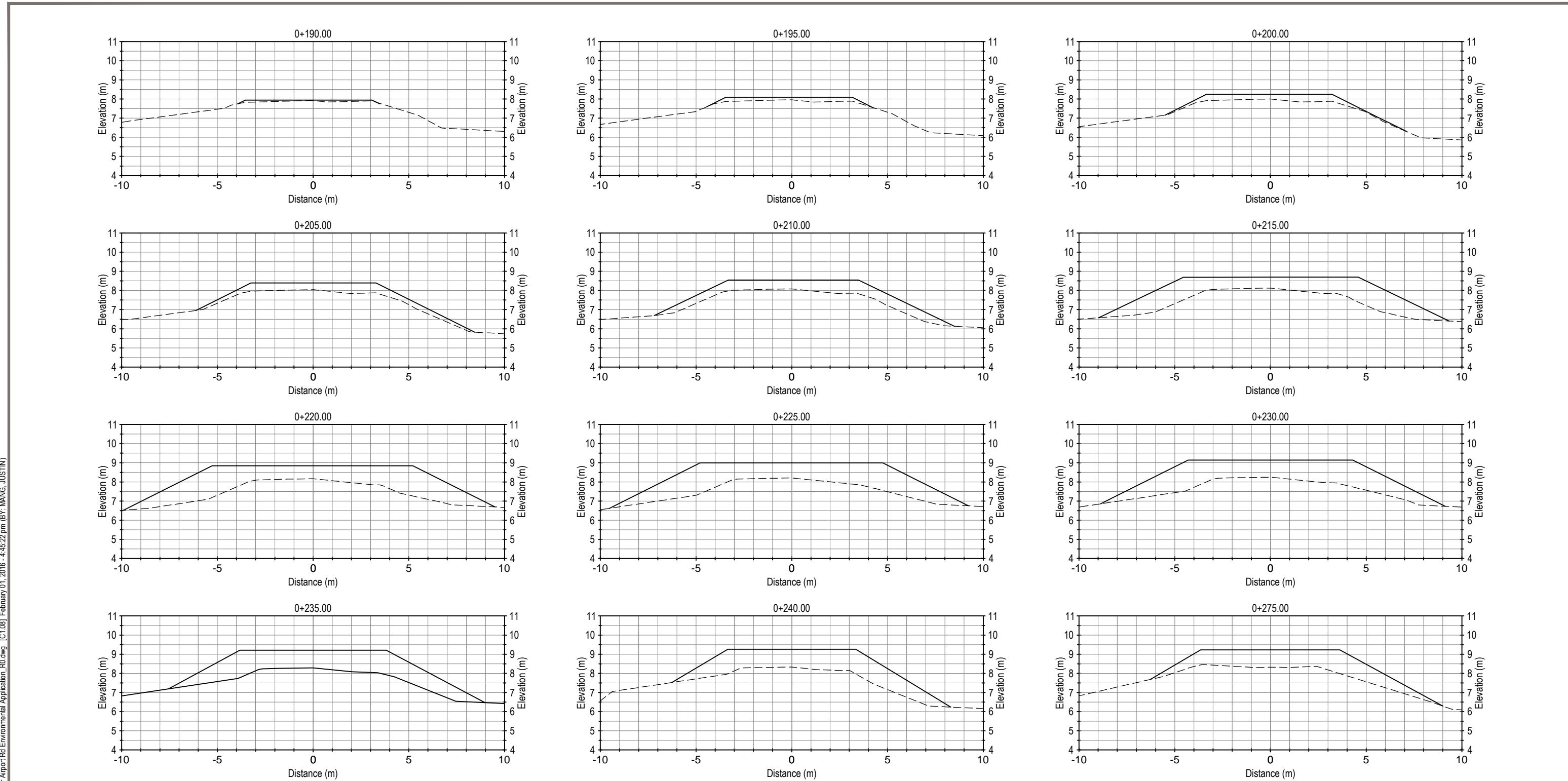
TETRA TECH EBA

BUCKLAND & TAYLOR

COWI

PROJECT NO. V13203282
OFFICE VANC
DES MAN
CKD DNM
REV 0
DRAWING C1.07

PROFESSIONAL SEAL



LEGEND

- Existing Ground
- Finished Ground

SCALE 1:200

NOTES

0	2/1/16	JDM	DNM	DNM	DESIGN DRAWINGS
NUM	DATE	DWN	CKD	APR	DESCRIPTION
REVISIONS					
PROFESSIONAL SEAL					



AIRPORT RD. WASHOUT REHABILITATION
CORAL HARBOUR, NU

CROSSING 7
5 m CROSS SECTIONS

TETRA TECH EBA BUCKLAND & TAYLOR COWI

PROJECT NO.
V13203282

OFFICE
VANC

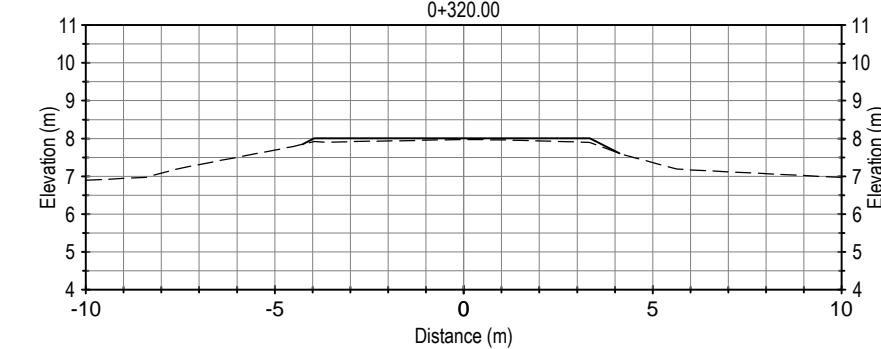
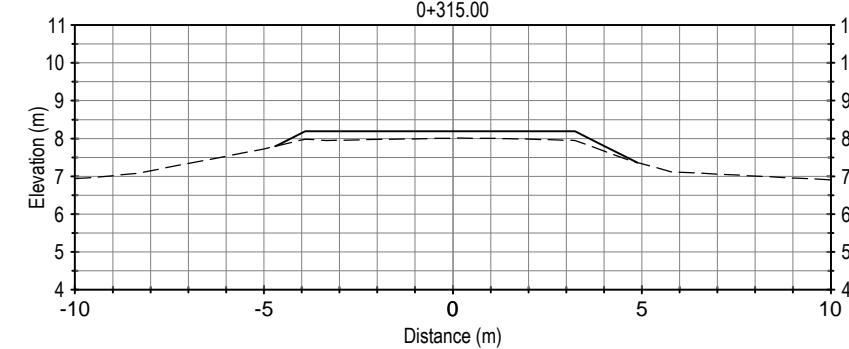
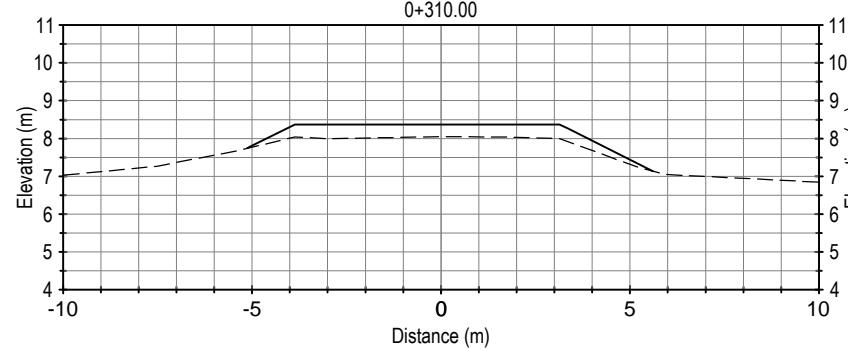
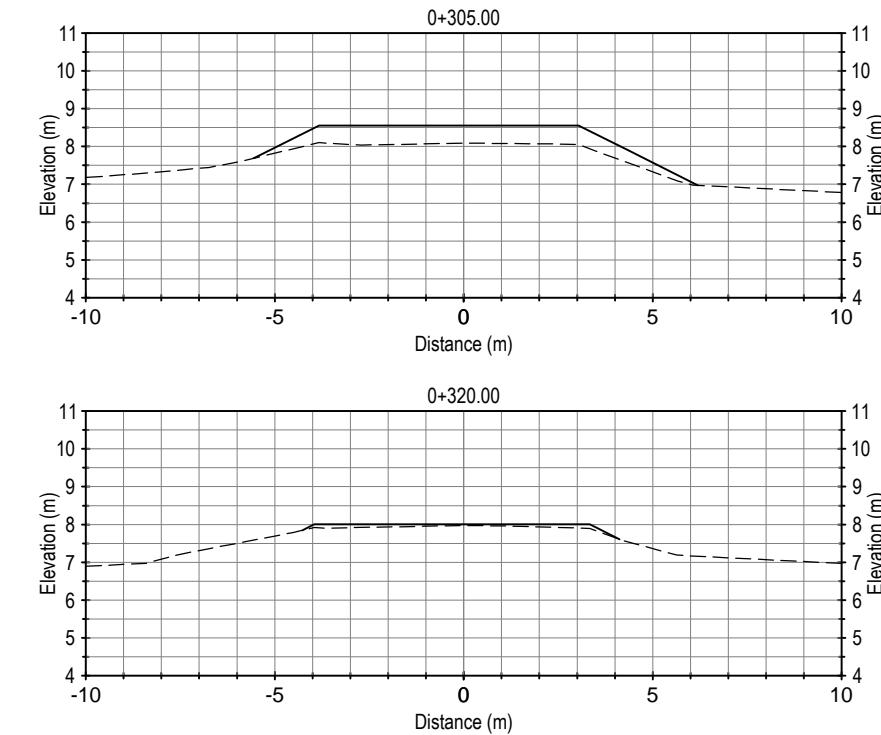
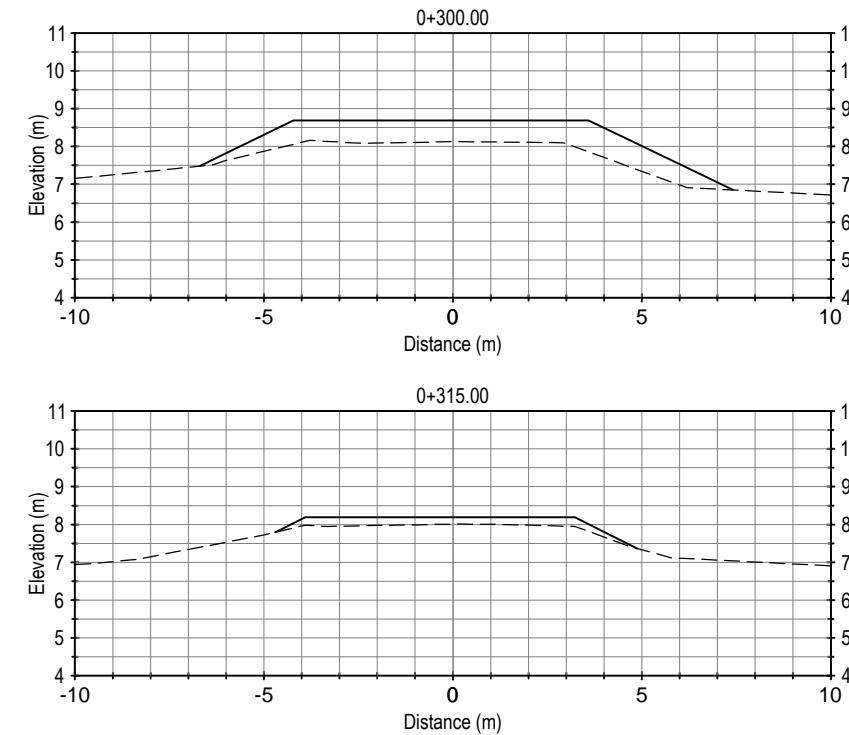
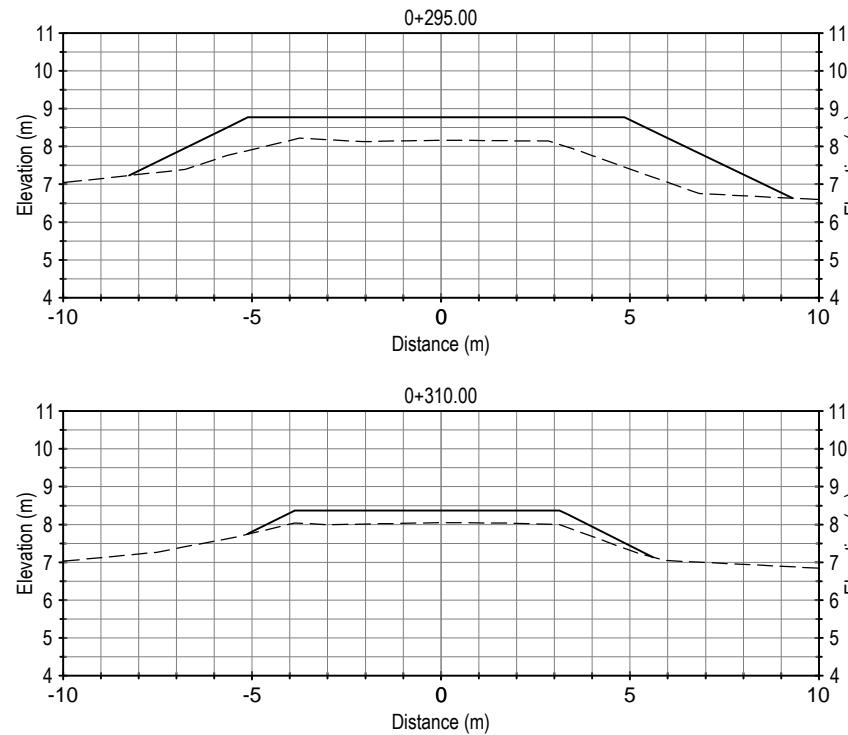
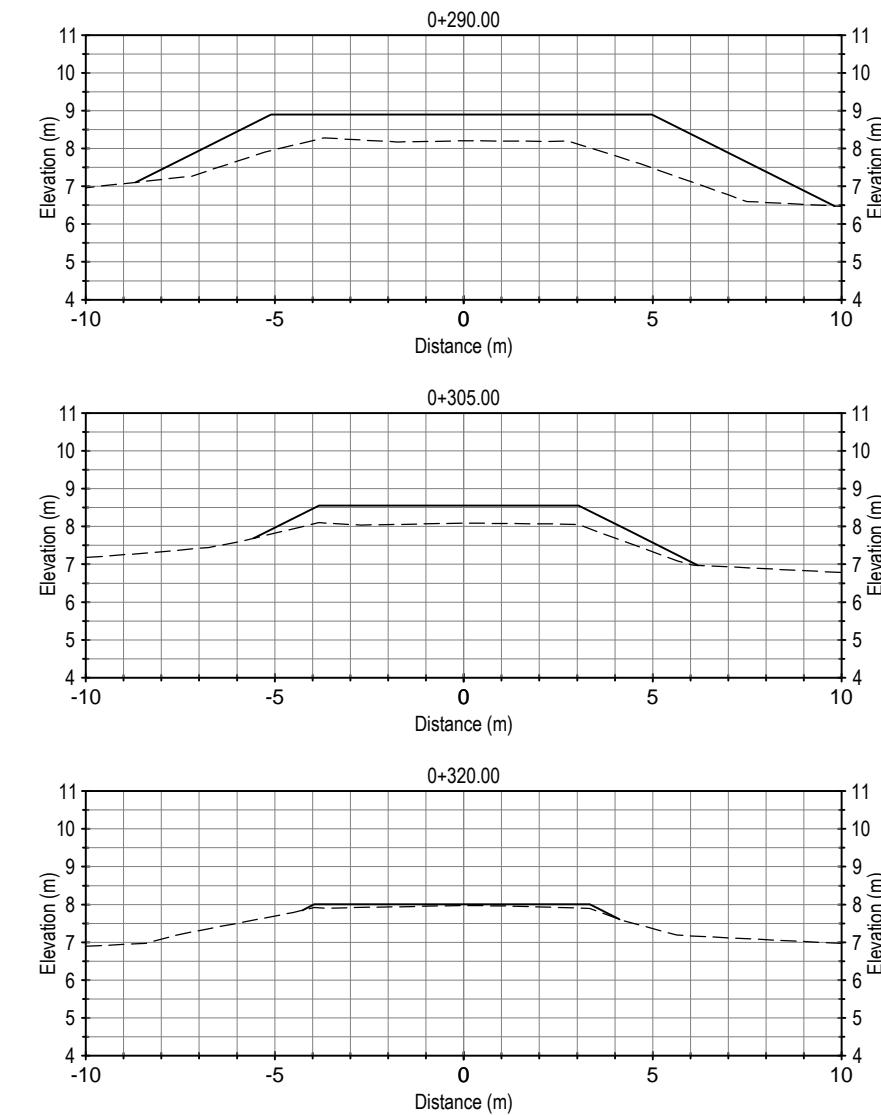
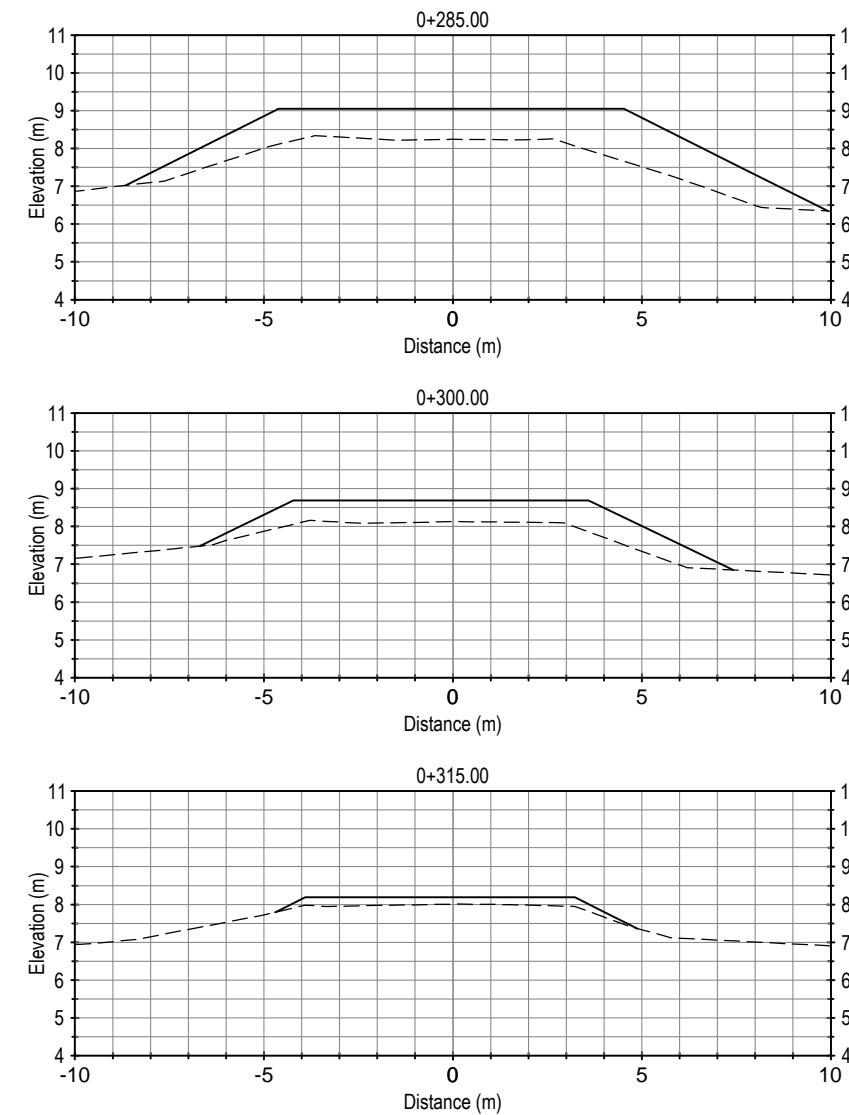
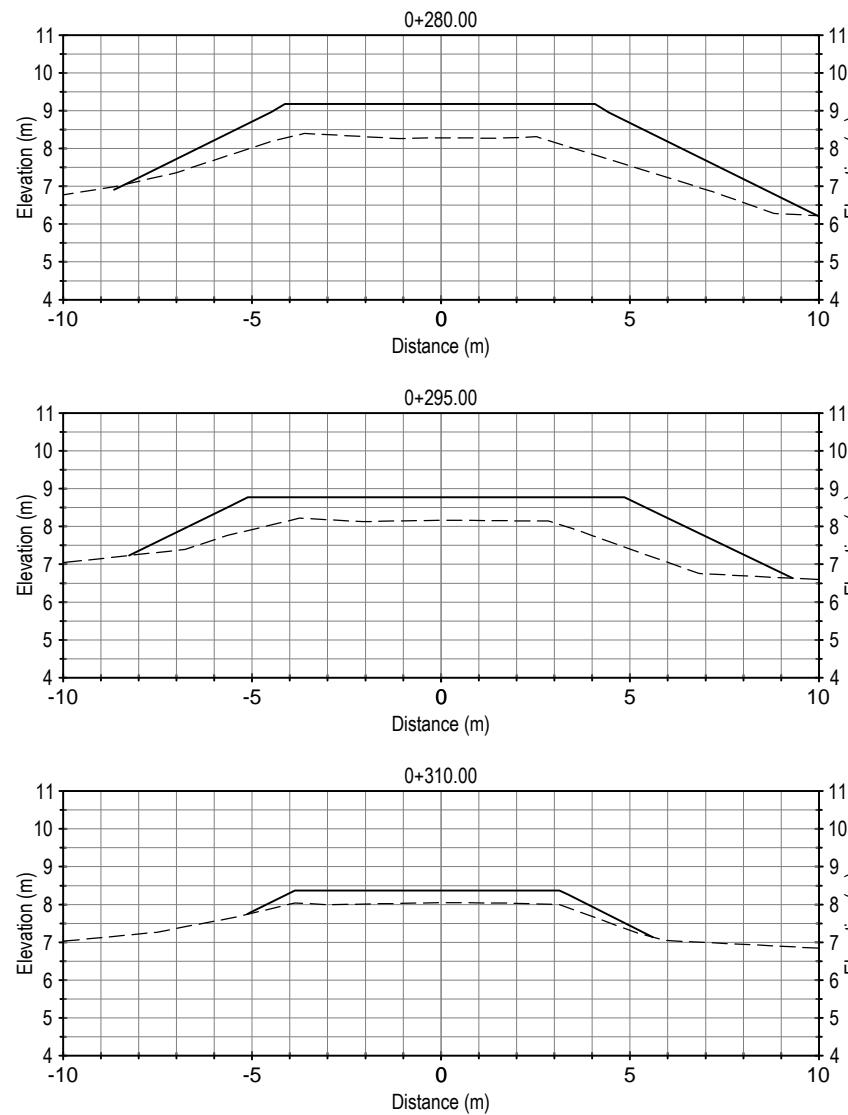
DES
MAN

CKD
DNM

REV
0

DRAWING
C1.08

DATE	SHEET No. of	DWN	APP	DNM	STATUS
February 1, 2016					-



LEGEND

— Existing Ground

— Finished Ground

SCALE 1:200

NOTES

0	2/1/16	JDM	DNM	DNM	DESIGN DRAWINGS
NUM	DATE	DWN	CKD	APR	DESCRIPTION
					REVISIONS
					PROFESSIONAL SEAL



AIRPORT RD. WASHOUT REHABILITATION
CORAL HARBOUR, NU

CROSSING 7
5 m CROSS SECTIONS

PROJECT NO.	OFFICE	DES	CKD	REV	DRAWING
V13203282	VANC	MAN	DNM	0	C1.09
DATE	SHEET No.	APP	STATUS		
February 1, 2016	of	JDM	-		