



**VICINITY MAP**

SCALE: NTS



**ALASKA MAP**

SCALE: NTS

**COLVILLE RIVER ROAD**

DATE OF PREPARATION:  
16 MAY 2014

APPLICANT'S NAME:  
NATIVE VILLAGE OF NUIQSUT

**LOCATION AND VICINITY MAP**

LOCATION: 70.178300°N,  
SECTIONS 18, 19, 30 AND  
R. 4 E.; UMIAT MERIDIAN,  
ALASKA

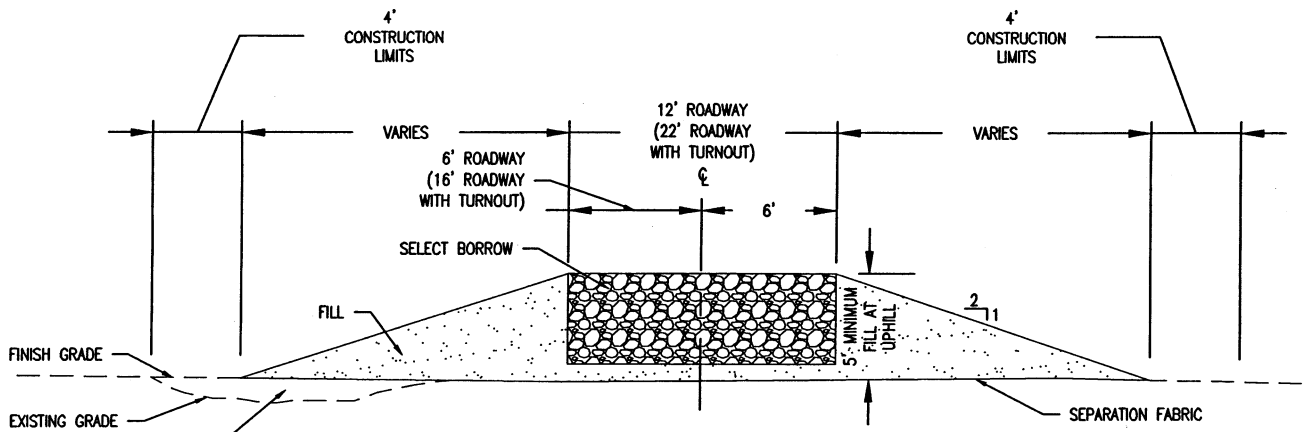
NEAREST WATERWAY: COLV

POA-2013-404

Colville River  
**Native Village of Nuiqsut**  
Colville River Access Road Project  
Location Map

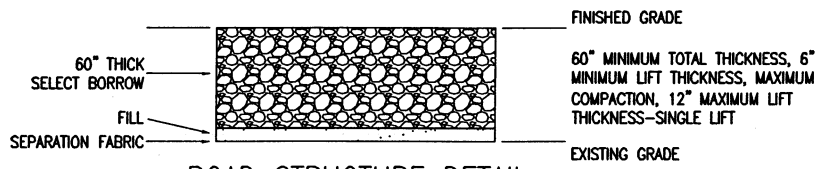
Sheet 1 of 7

May 2014



**TYPICAL ROAD SECTION**  
(NTS) STA 10+00 TO STA 206+00

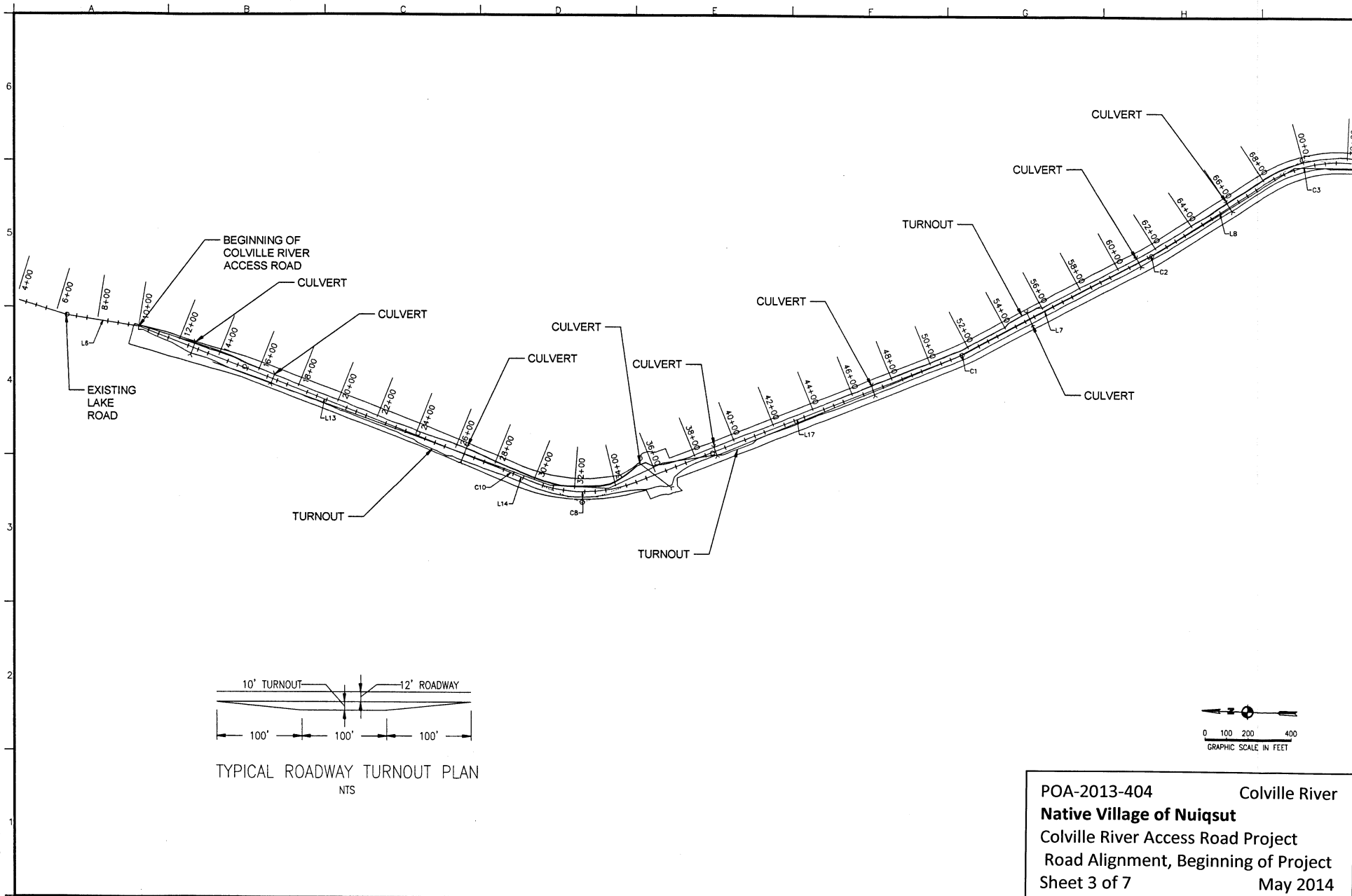
- NOTES:**
- FILL:** FOLLOW PROCEDURES DESCRIBED IN SECTION 203 OF THE AKDOT&PF STANDARD SPECIFICATIONS FOR PLACING EMBANKMENTS.
  - SEPARATION FABRIC:** PLACEMENT OF SEPARATION FABRIC SHALL CONFORM TO SECTION 630 OF THE AKDOT&PF STANDARD SPECIFICATIONS.



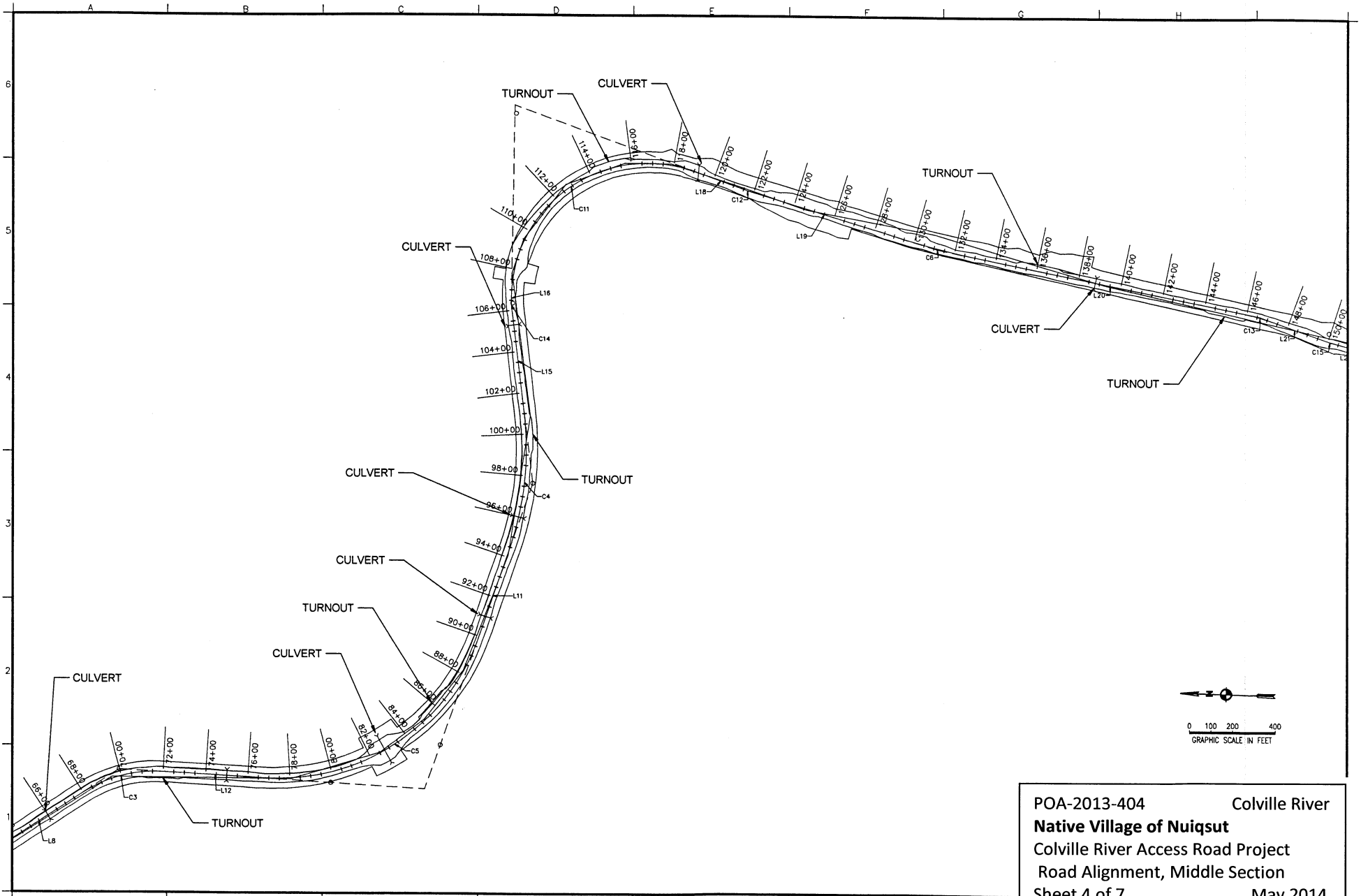
**ROAD STRUCTURE DETAIL**  
(NTS) STA 10+00 TO STA 206+00

<b>COLVILLE RIVER ROAD</b>	
DATE OF PREPARATION: 16 MAY 2014	APPLICANT'S NAME: NATIVE VILLAGE OF NUIQSUT
<b>TYPICAL ROADWAY SECTION &amp; DETAILS</b>	
LOCATION: 70.178300°N, SECTIONS 18, 19, 30 AND R. 4 E.; UMIAT MERIDIAN, ALASKA	POA-2013-404      Colville River <b>Native Village of Nuiqsut</b> Colville River Access Road Project Road Typical Section
NEAREST WATERWAY: COLV	Sheet 2 of 7
POA-2013-404	May 2014

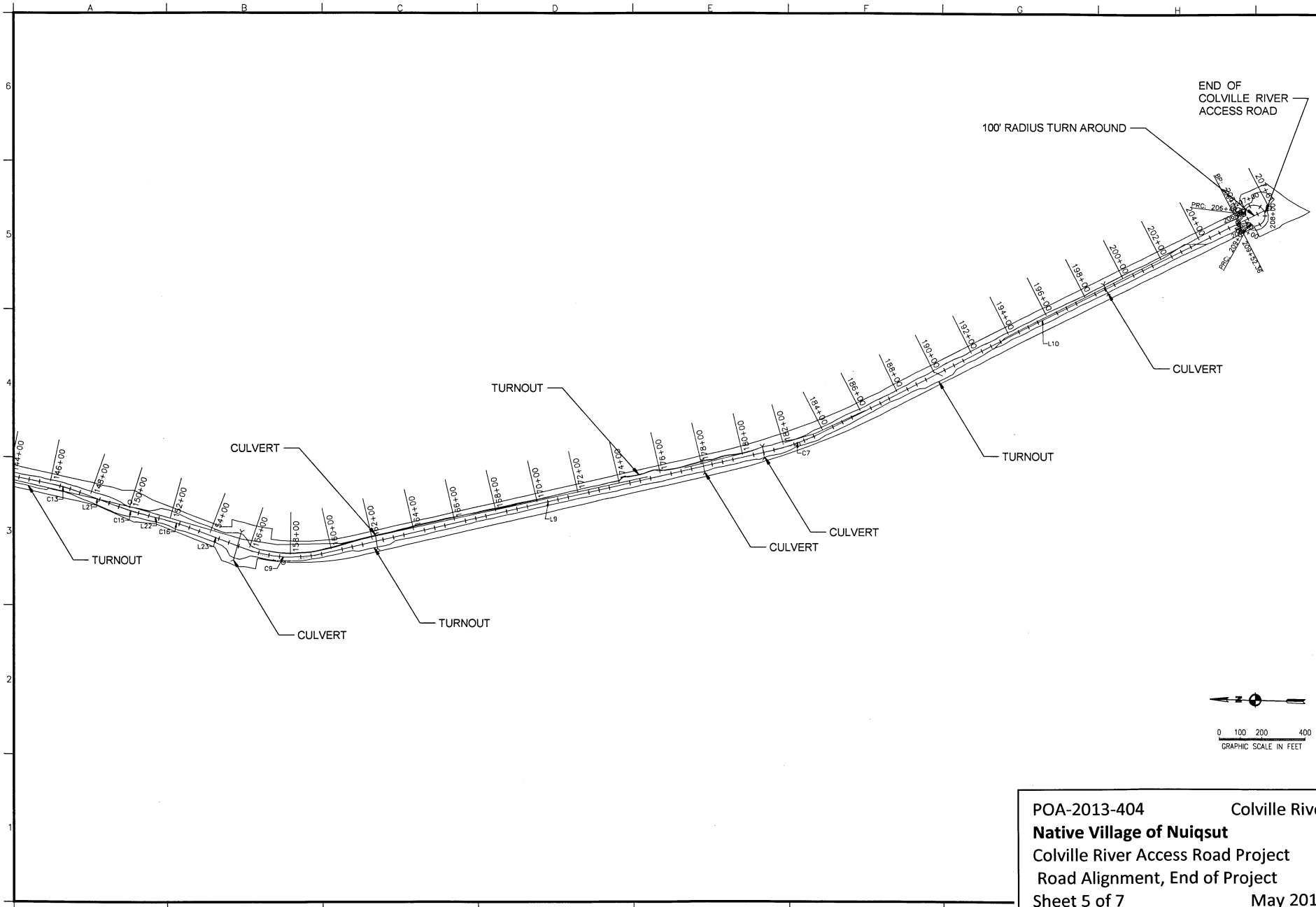
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POA-2013-404                      Colville River  
**Native Village of Nuiqsut**  
 Colville River Access Road Project  
 Road Alignment, Beginning of Project  
 Sheet 3 of 7                                      May 2014

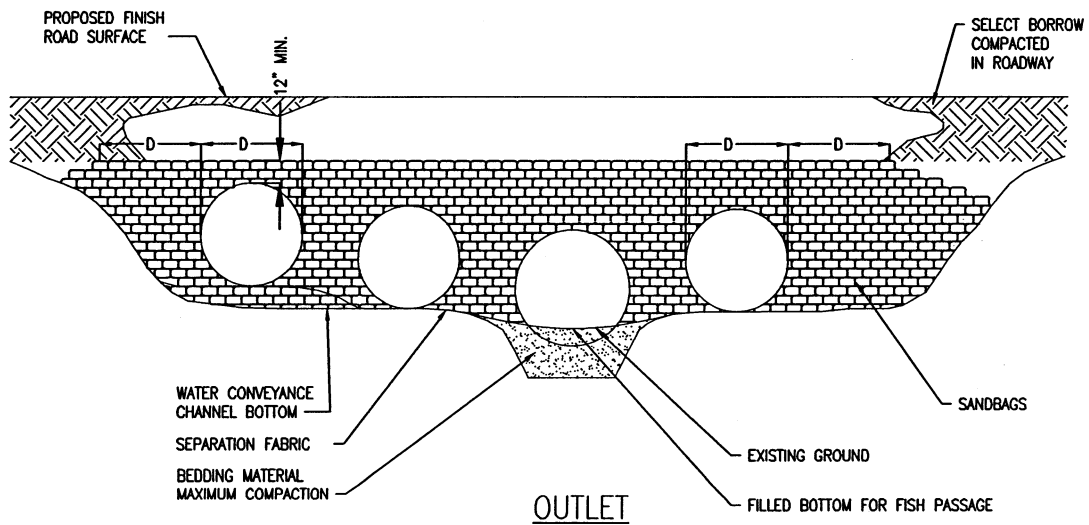
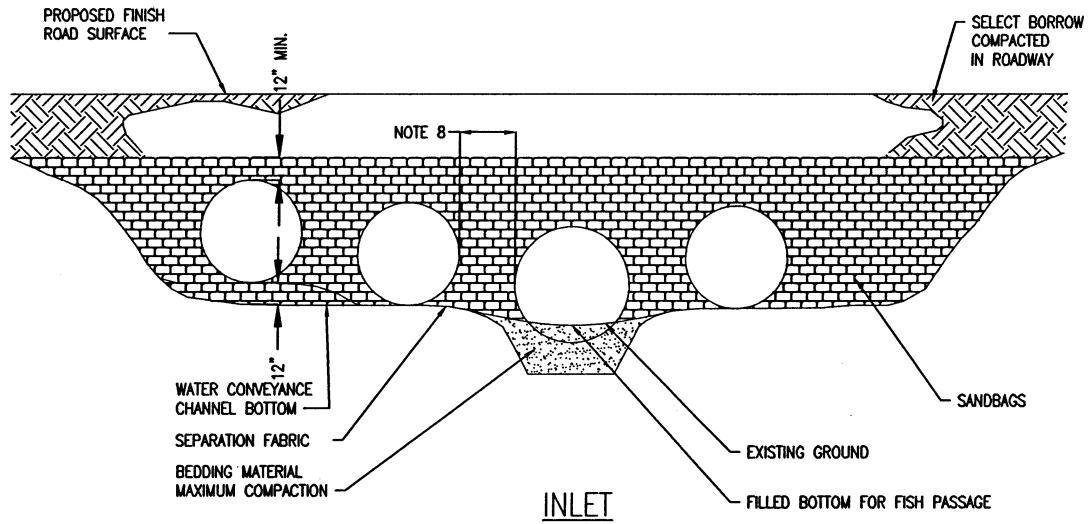


POA-2013-404 Colville River  
**Native Village of Nuiqsut**  
 Colville River Access Road Project  
 Road Alignment, Middle Section  
 Sheet 4 of 7 May 2014



POA-2013-404      Colville River  
 Native Village of Nuiqsut  
 Colville River Access Road Project  
 Road Alignment, End of Project  
 Sheet 5 of 7      May 2014

## CULVERT SANDBAG HEADWALL DETAIL



**NOTES:**

1. ALL CULVERTS WITH HEADWALL AND END-SECTIONS ARE TO BE FIELD STAKED.
2. NOTES FOR TYPICAL CULVERT SECTION DETAIL APPLY HERE ALSO.
3. SANDBAGS SHOULD BE WHITE OR LIGHT IN COLOR AND APPROVED BY CONTRACTING OFFICER THROUGH A SUBMITTAL
4. PLACE SANDBAGS LONGITUDINALLY DOWN SLOPE.
5. OVERLAP SANDBAGS SO THAT NO EMBANKMENT AREA IS EXPOSED.
6. SANDBAG PLACEMENT SHOULD STOP AT THE TOE OF THE EMBANKMENT.
7. SANDBAG PROTECTION EXTENDS 12 INCHES HIGHER THAN THE CULVERT AND ONE CULVERT DIAMETER ON EITHER SIDE.
8. FOR CULVERTS 48" OR GREATER MINIMUM SPACING BETWEEN CULVERTS IS ONE HALF THE DIAMETER OF THE LARGER CULVERT OR 3' WHICHEVER IS LESSER.

### COLVILLE RIVER ROAD

DATE OF PREPARATION:  
16 MAY 2014

APPLICANT'S NAME:  
NATIVE VILLAGE OF NUIQSUT

### TYPICAL CULVERT SANDBAG DETAILS

LOCATION: 70.178300°N,  
SECTIONS 18, 19, 30 AND  
R. 4 E.; UMIAT MERIDIAN,  
ALASKA

NEAREST WATERWAY: COLV

POA-2013-404

POA-2013-404

Colville River

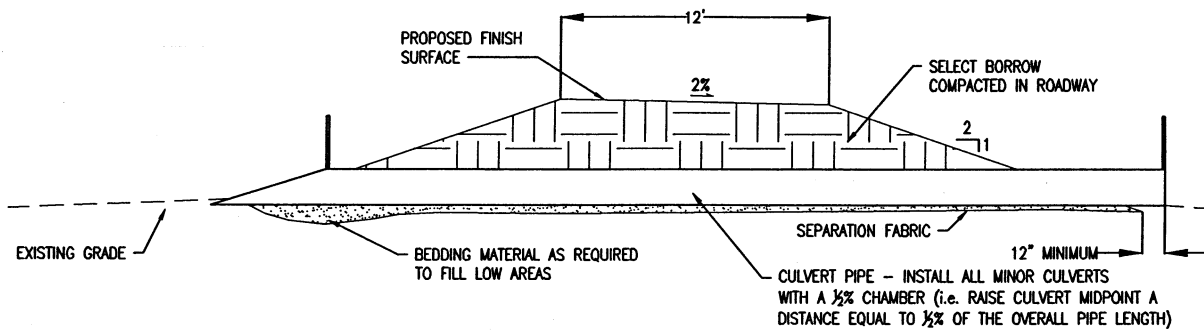
**Native Village of Nuiqsut**

Colville River Access Road Project

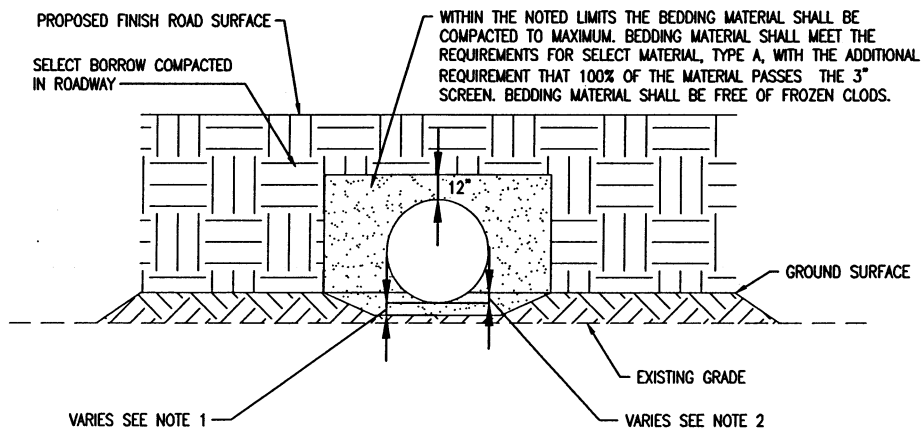
Fish Stream Culvert & Sandbag Detail

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May 2014



TYPICAL MINOR CULVERT CROSSING  
CULVERTS 36" DIAMETER AND LESS



TYPICAL CULVERT SECTION

NOTES:

1. THE BEDDING DEPTH FOR 24" DIAMETER CULVERTS AND SMALLER IS 4" MINIMUM. THE BEDDING DEPTH FOR CULVERTS GREATER THAN 24" IS 6" MINIMUM.
2. FOR 24" DIAMETER CULVERTS OR SMALLER, PLACE THE INVERT OF THE CULVERT INLETS 2" BELOW NATURAL GROUND. FOR 36" DIAMETER CULVERTS PLACE THE INVERT OF THE INLET 3" BELOW NATURAL GROUND OR DRAINAGE BOTTOM. FOR FISH PASSAGE CULVERTS PLACE THE INVERT 18" BELOW THE THALWEG.
3. WHERE APPLICABLE (CULVERT SLOPE = 0 OR LESS), THE INVERT OF THE OUTLET FOR ALL CULVERTS SHOULD BE AT NATURAL GROUND LEVEL.
4. INVERT FOR ALL PRACTICAL PURPOSES MEANS THE BOTTOM OF THE CULVERT.
5. ALL CULVERTS TO BE INSTALLED WITH 1/2% CAMBER (i.e. RAISE THE PIPE MIDPOINT A DISTANCE EQUAL TO 1.0% OF THE OVERALL PIPE LENGTH).

COLVILLE RIVER ROAD

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16 MAY 2014

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TYPICAL CROSS-DRAINAGE CULVERT DETAILS

LOCATION: 70.178300°N,  
SECTIONS 18, 19, 30 AND  
R. 4 E.; UMIAT MERIDIAN,  
ALASKA

NEAREST WATERWAY: COLVI

POA-2013-404

POA-2013-404 Colville River  
Native Village of Nuiqsut  
Colville River Access Road Project  
Drainage Culvert Detail  
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