



ADDENDUM TO THE CONTRACT

for the

**West Douglas Pioneer Road
Contract No. BE17-039**

ADDENDUM NO.: THREE

**CURRENT DEADLINE FOR BIDS:
September 21, 2016**

PREVIOUS ADDENDA: TWO

ISSUED BY: City and Borough of Juneau
ENGINEERING DEPARTMENT
155 South Seward Street
Juneau, Alaska 99801

DATE ADDENDUM ISSUED: September 19, 2016

The following items of the contract are modified as herein indicated. All other items remain the same. This addendum has been issued and is posted online. Please refer to the CBJ Engineering Contracts Division webpage at: <http://www.juneau.org/engineering ftp/contracts/Contracts.php>

SPECIAL PROVISIONS:

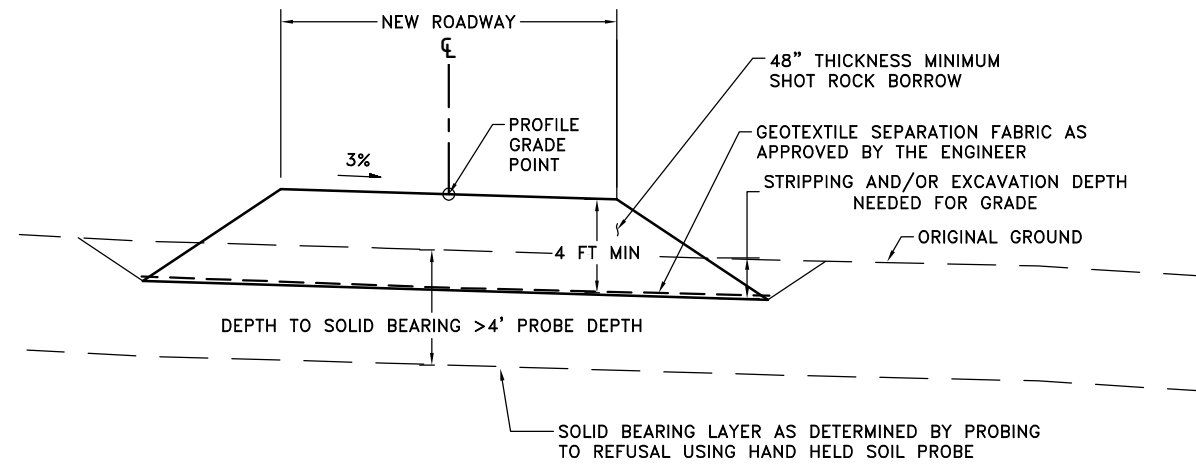
- Item No. 1 SECTION 01025 – MEASUREMENT AND PAYMENT, PART 1 – GENERAL, Article 2.14 GEOTEXTILE SEPARATION FABRIC (Pay Item No. 2714.1) PRICE BASED ON QUANTITY, SQUARE YARD. **Delete** in its entirety and **replace** with the following:
- "A. Measurement of Geotextile Separation Fabric will be based on the actual square yards, excluding overlaps, complete in place and accepted.
 - B. Only Geotextile Separation Fabric approved for placement by the ENGINEER will be measured for payment.
 - C. Geotextile Separation Fabric is a contingent item to be used when soils found at the excavation limits require stabilization, as determined by the ENGINEER.
 - D. Geotextile Separation Fabric to be placed under riprap at culverts, flumes and spillways, is a contingent item, and will only be used at the direction of the ENGINEER.
 - E. All Geotextile Separation Fabric required for the Fish Passage Culvert at approximate station 29+00, the Major Stream Culvert at approximate station 59+50, and the Bridge Crossing at approximate station 97+00, as shown in the Drawings and required by the Contract Documents, and as directed by the ENGINEER, will NOT be measured for payment, but will be included in their respective structures' pay items.
 - F. Payment of Geotextile Separation Fabric will be made at the Unit Price named in the Bid Schedule under Pay Item No. 2714.1, which payment will constitute full compensation for all WORK described in Section 02714 – Filter Cloth, as shown on the Drawings and as directed by the ENGINEER."

DRAWINGS:

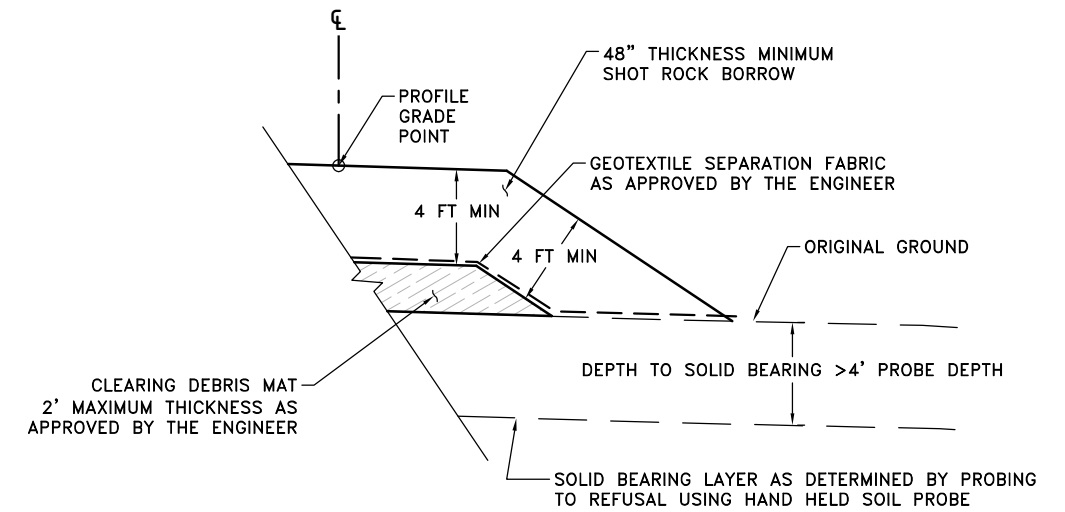
- Item No. 1 Sheet No. 9/23 - SOFT GROUND CONSTRUCTION DETAILS. **Delete and replace with the attached** Sheet No. 9/23 - SOFT GROUND CONSTRUCTION DETAILS, labeled Addendum No. 3.
- Item No. 2 Sheet No. 17 of 23 - MAJOR STREAM CULVERT: STAT 59+50 – STREAM PLAN AND PROFILE. **Delete and replace with the attached** Sheet No. 17 of 23 - MAJOR STREAM CULVERT: STAT 59+50 – STREAM PLAN AND PROFILE, labeled Addendum No. 3.

By: 
for _____
Greg Smith,
Contract Administrator

Total number of pages contained within this Addendum: 4



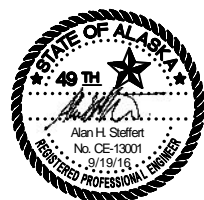
CONSTRUCTION ON SOFT GROUND
TYPICAL SECTION



OVERLAY CONSTRUCTION
ON SOFT GROUND WITH DEBRIS MAT
TYPICAL SECTION

NOTES:

1. IF SOLID BEARING IS 4 FT OR LESS BELOW EXISTING SURFACE, CLEAR, STRIP AND EXCAVATE UNSUITABLE MATERIAL BEFORE PLACING SHOT ROCK EMBANKMENT.
2. IF SOLID BEARING IS GREATER THAN 4 FT BELOW EXISTING SURFACE, PLACE 4FT MINIMUM THICKNESS SHOT ROCK EMBANKMENT. PLACEMENT OF GEOTEXTILE SEPARATION FABRIC BELOW EMBANKMENT REQUIRES ENGINEER'S APPROVAL.
3. WITH ENGINEER'S APPROVAL, A CLEARING DEBRIS MAT MAY BE INCORPORATED INTO THE BASE OF EMBANKMENTS CONSTRUCTED ON SOFT GROUND SO LONG AS THE DEBRIS MAT MATERIAL IS LOCATED AT THE BOTTOM OF EMBANKMENTS, DOES NOT EXCEED 24 INCHES OF FILL HEIGHT, AND IS COVERED WITH A MINIMUM OF 4 FEET OF COMPACTED SHOT ROCK EMBANKMENT INCLUDING COVERAGE ALONG THE FINAL ROADWAY SLOPES. THE DEBRIS MAT MAY CONSIST OF TREE LIMBS, TOPS, CULL LOGS, SPLIT STUMPS, WOOD CHUNKS, AND OTHER DEBRIS TO FORM A MAT UPON WHICH CONSTRUCTION EQUIPMENT IS OPERATED. STUMPS SHALL BE PLACED UPSIDE DOWN, PRESSED INTO THE ORIGINAL GROUND, AND BLENDED INTO THE MAT.
4. ALL TREE STUMPS NOT GRUBBED SHALL BE CUT FLUSH TO SURFACE PRIOR TO PLACEMENT GEOTEXTILE SEPARATION FABRIC AND SHOT ROCK BORROW FILL.
5. GEOTEXTILE SEPARATION FABRIC WILL ONLY BE PLACED WITH PRIOR APPROVAL BY THE ENGINEER.



CITY AND BOROUGH OF JUNEAU
 ALASKA'S CAPITAL CITY
 DEPARTMENT OF ENGINEERING

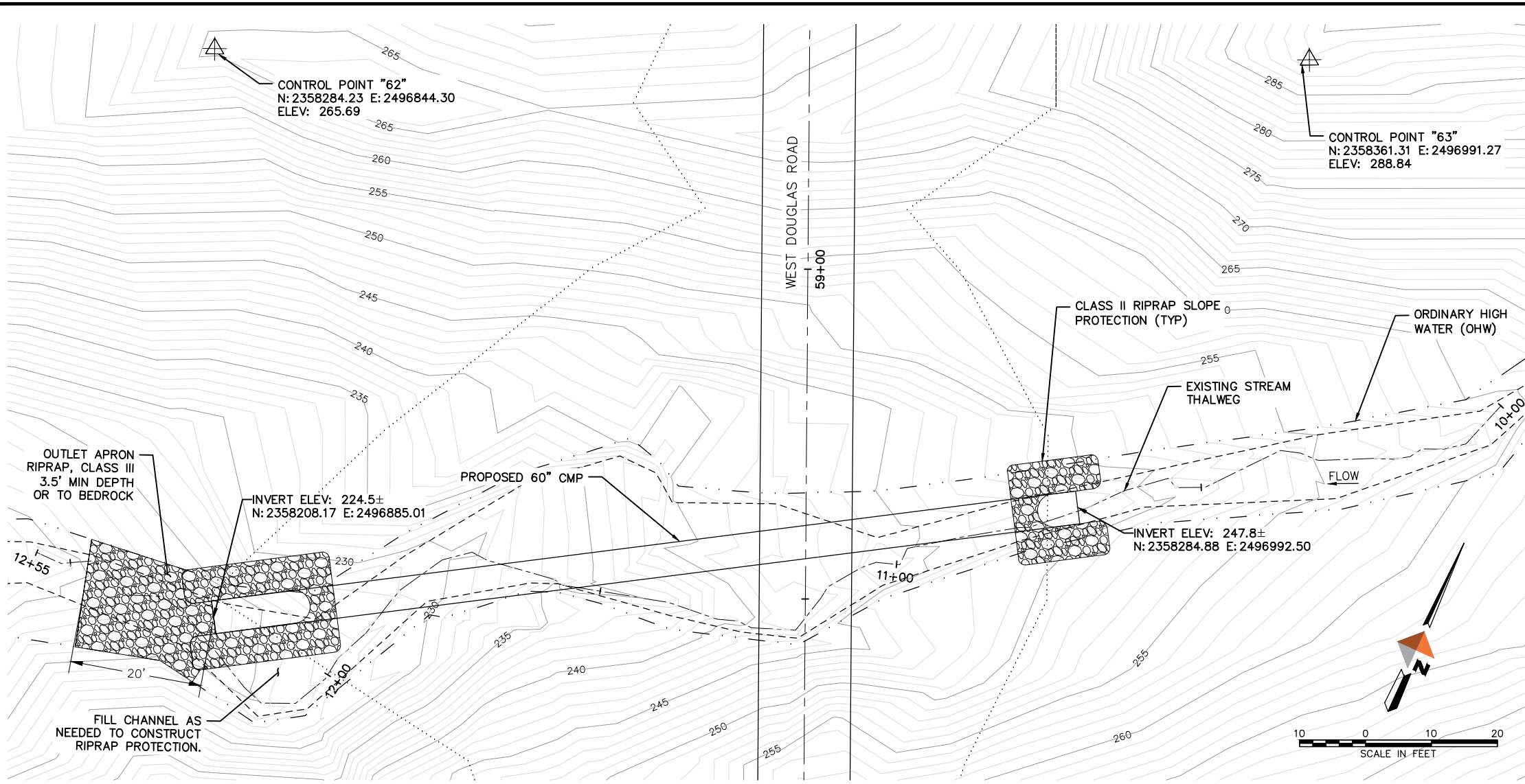
ADDENDUM NO. 3

WEST DOUGLAS PIONEER ROAD
 CBJ CONTRACT BE17-039

SOFT GROUND CONSTRUCTION DETAILS

SHEET NO.
 9 /23

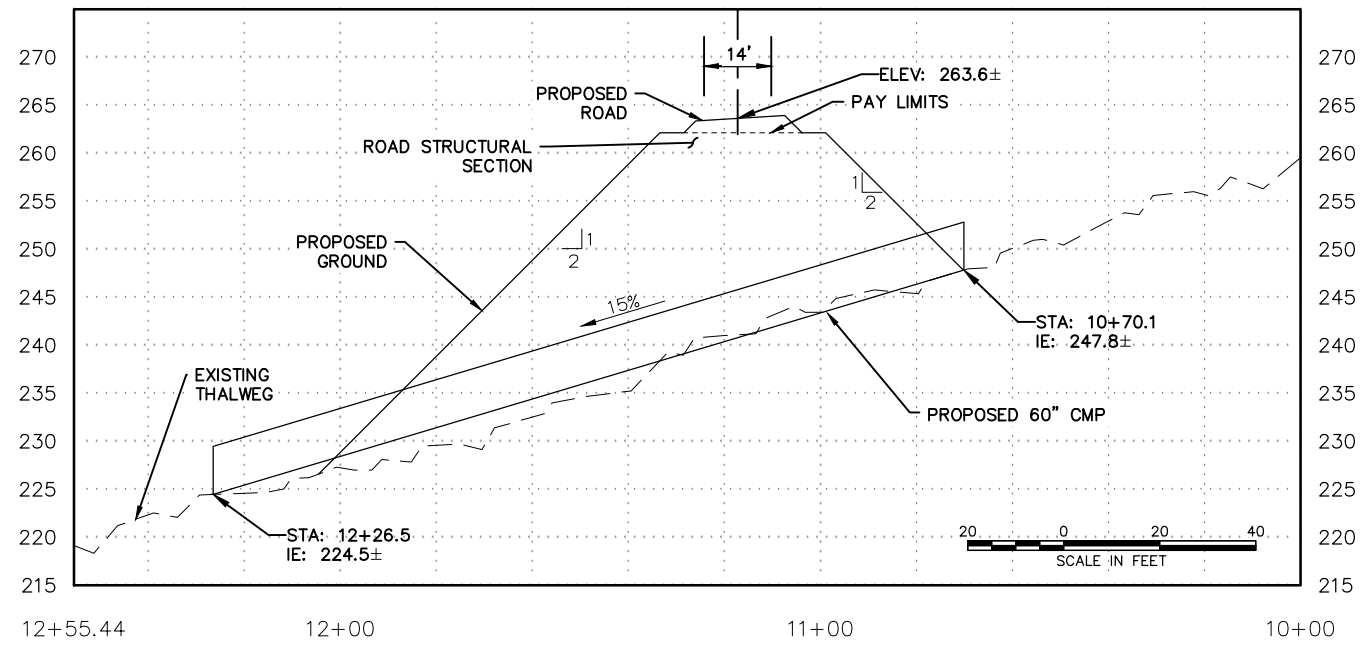
XXX-XX
 DOWL FILE No:
 C:\Civil_3D\Projects\37\70819-01\Civil\MCI4-CT-FP 59+50-70819.dwg PLOT DATE 2016-09-19 12:09 SAVED DATE 2016-09-19 10:03 USER: jkemp



| HYDROLOGIC & HYDRAULIC SUMMARY | | | | |
|-----------------------------------|----------------------|------------------------|----------------------------------|------|
| EXCEEDANCE PROBABILITY | RETURN PERIOD (YEAR) | DESIGN DISCHARGE (CFS) | DESIGN HIGH WATER ELEVATION (FT) | HW/D |
| 2.00% | 50 | 133 | 233.28 | 0.73 |
| 1.00% | 100 | 148 | 233.85 | 0.79 |
| DRAINAGE AREA = 0.26 SQUARE MILES | | | | |

| PERMANENT FILL BELOW OHW | | |
|--------------------------|----------|-----------|
| MATERIAL | VOL (CY) | AREA (SF) |
| STEEL CULVERT | 1 | 790 |
| CLASS II RIPRAP | 22 | 276 |
| CLASS III RIPRAP | 43 | 300 |
| BEDDING, CLASS B | 193 | 2686 |
| GEOTEXTILE SEPARATION | 1 | 114 |

| CULVERT SUMMARY SCHEDULE | |
|--------------------------|---------|
| SIZE | 5' |
| LENGTH | 134' |
| SLOPE | 15% |
| CORRUGATION | 3" X 1" |
| MATERIAL | STEEL |
| GAUGE | 12 |
| EMBEDMENT | 0' |
| MINIMUM COVER | 1' |

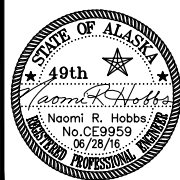


| ESTIMATE OF QUANTITIES | | |
|------------------------|-------------|----------|
| Item | Unit | Quantity |
| EXCAVATION | CUBIC YARD | 129 |
| EMBANKMENT | CUBIC YARD | 1930 |
| SHOT ROCK BORROW | CUBIC YARD | 277 |
| BEDDING, CLASS B | CUBIC YARD | 212 |
| 60 INCH CMP | LINEAR FOOT | 134 |
| RIPRAP, CLASS II | CUBIC YARD | 48 |
| RIPRAP, CLASS III | CUBIC YARD | 43 |
| GEOTEXTILE SEPARATION | SQUARE YARD | 61 |

- NOTES:**
1. EXTEND RIPRAP OUTLET APRON TO OHW ON SIDES OF CHANNEL AS DIRECTED BY ENGINEER.
 2. USE RIPRAP, CLASS III AT OUTLET APRON ONLY. SEE PLAN FOR EXTENTS.
 3. IF BEDROCK IS ENCOUNTERED DURING EXCAVATION FOR CULVERT CONTACT ENGINEER IMMEDIATELY FOR DIRECTION.

ADDENDUM NO. 3

| REVISIONS | | | |
|-----------|------|-------------|----|
| REV | DATE | DESCRIPTION | BY |
| | | | |
| | | | |



WEST JUNEAU FISH PASSAGE DESIGN
JUNEAU, ALASKA
 MAJOR STREAM CULVERT: STA 59+50
 STREAM PLAN AND PROFILE
 JUNEAU, ALASKA

| | |
|---------|------------|
| PROJECT | 70819-01 |
| DATE | 06/28/2016 |
| SHEET | 17 OF 23 |