



ADDENDUM TO THE CONTRACT

for the

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

ADDENDUM NO.: ONE

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

PREVIOUS ADDENDA: NONE

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

DATE ADDENDUM ISSUED: September 7, 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>

PROJECT MANUAL:

Item No. 1 SECTION 00005 TABLE OF CONTENTS, LIST OF DRAWINGS, Drawing No. 20, **Correct** the title of the Drawing No. 20 to read "BRIDGE CROSSING: STA 97+00 – STREAM SECTION.

DRAWINGS:

Item No. 1 **Delete and replace** the following drawings labeled Addendum No. 1:

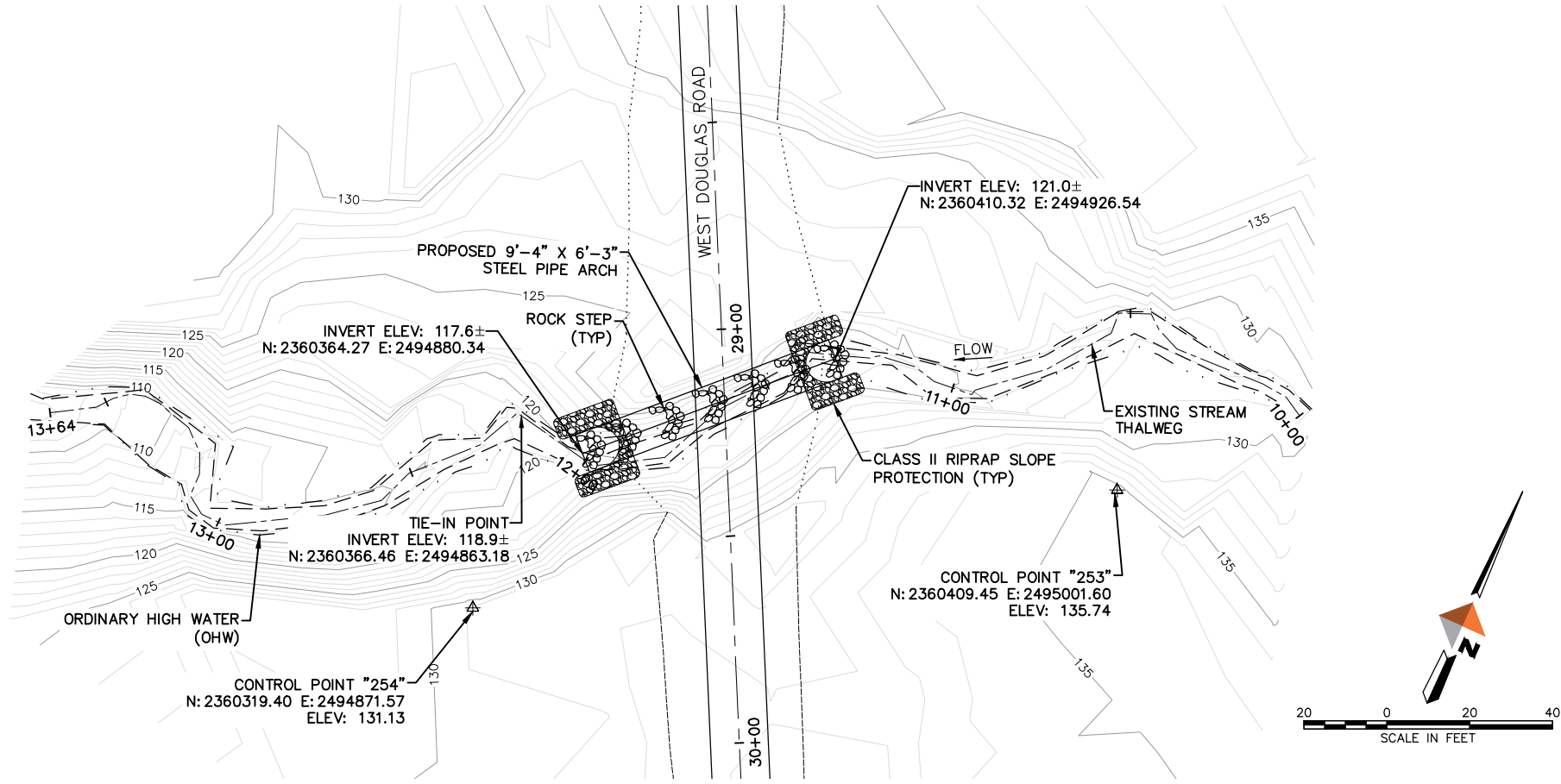
Sheet No. 15 FISH PASSAGE CULVERT: STA 29+00 STREAM PLAN AND PROFILE

Sheet No. 17 MAJOR STREAM CULVERT: STA 59+50 STREAM PLAN AND PROFILE

Sheet No. 19 BRIDGE CROSSING: STA 97+00 STREAM AND ROAD PLAN AND PROFILE

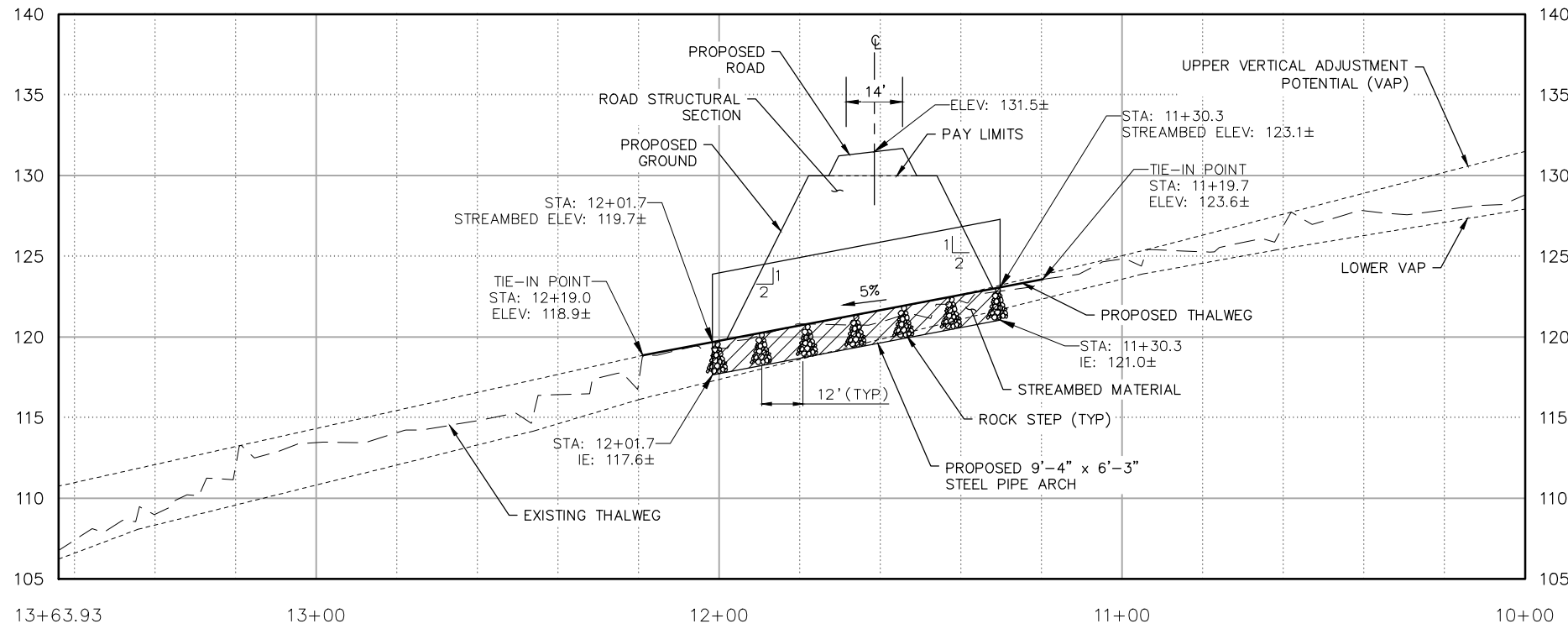
Sheet No. 20 BRIDGE CROSSING: STA 97+00 STREAM SECTION

By: 
Greg Smith,
Contract Administrator



ESTIMATE OF QUANTITIES		
Item	Unit	Quantity
EXCAVATION	CUBIC YARD	163
EMBANKMENT	CUBIC YARD	252
SHOT ROCK BORROW	CUBIC YARD	169
BEDDING, CLASS B	CUBIC YARD	147
STRUCTURAL PLATE PIPE-ARCH, 9'-4\"/>		
RIPRAP, CLASS II	CUBIC YARD	61
GEOTEXTILE SEPARATION	SQUARE YARD	47

HYDROLOGIC & HYDRAULIC SUMMARY				
EXCEEDANCE PROBABILITY	RETURN PERIOD (YEAR)	DESIGN DISCHARGE (CFS)	DESIGN HIGH WATER ELEVATION (FT)	HW/D
2.00%	50	107	126.09	0.65
1.00%	100	119	126.33	0.69
DRAINAGE AREA = 0.20 SQUARE MILES				

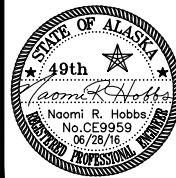


CULVERT SUMMARY SCHEDULE	
SIZE	9'-4" x 6'-3"
LENGTH	66'
SLOPE	5%
CORRUGATION	3" x 1"
MATERIAL	STEEL
GAUGE	12
EMBEDMENT	2'
MINIMUM COVER	1.5'

PERMANENT FILL BELOW OHW		
MATERIAL	VOL (CY)	AREA (SF)
STEEL CULVERT	0.5	616
CLASS II RIPRAP	26	292
BEDDING, CLASS B	117	1764

Addendum 1

REVISIONS			
REV	DATE	DESCRIPTION	BY

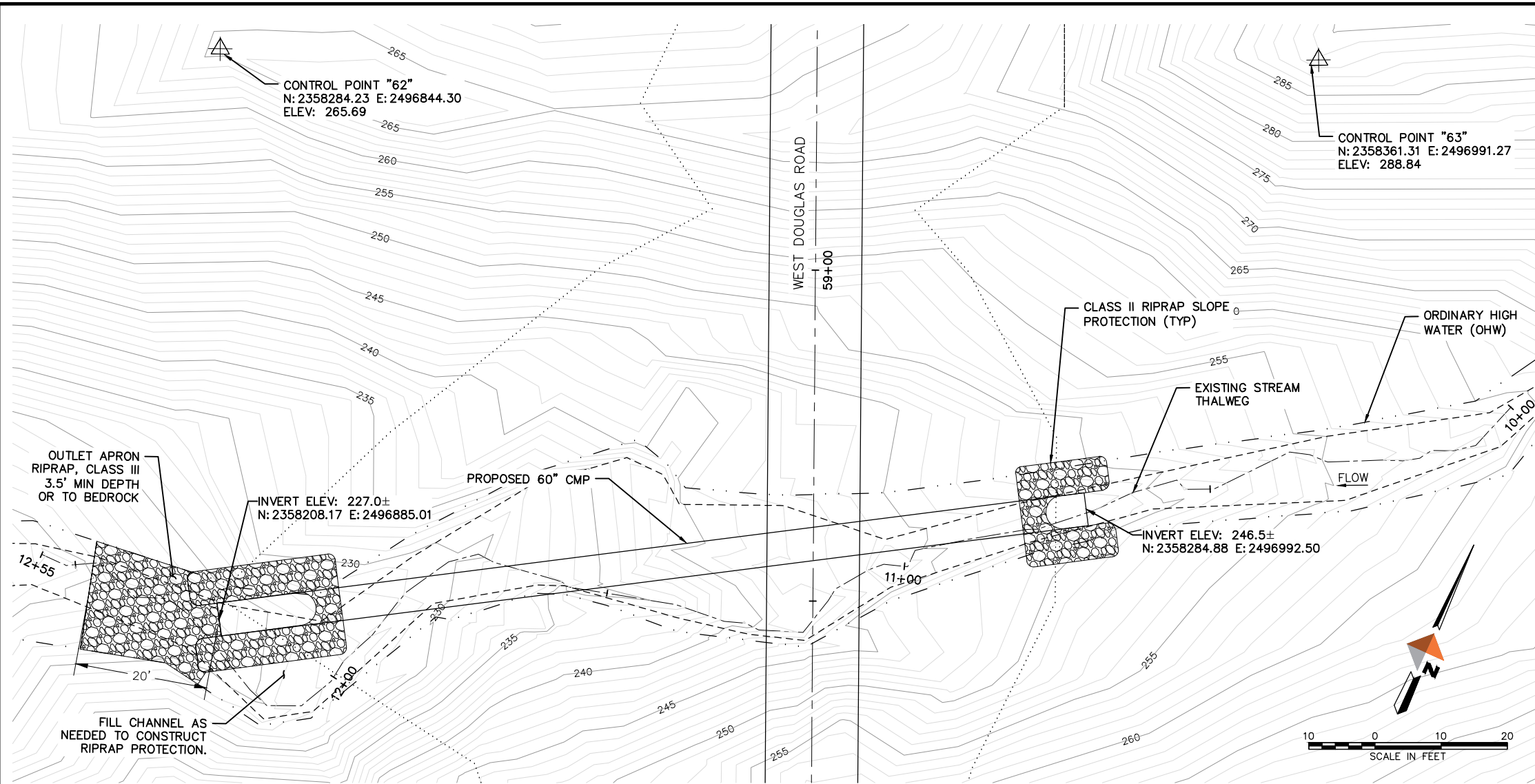


WEST JUNEAU FISH PASSAGE DESIGN
JUNEAU, ALASKA

FISH PASSAGE CULVERT: STA 29+00
STREAM PLAN AND PROFILE

JUNEAU, ALASKA

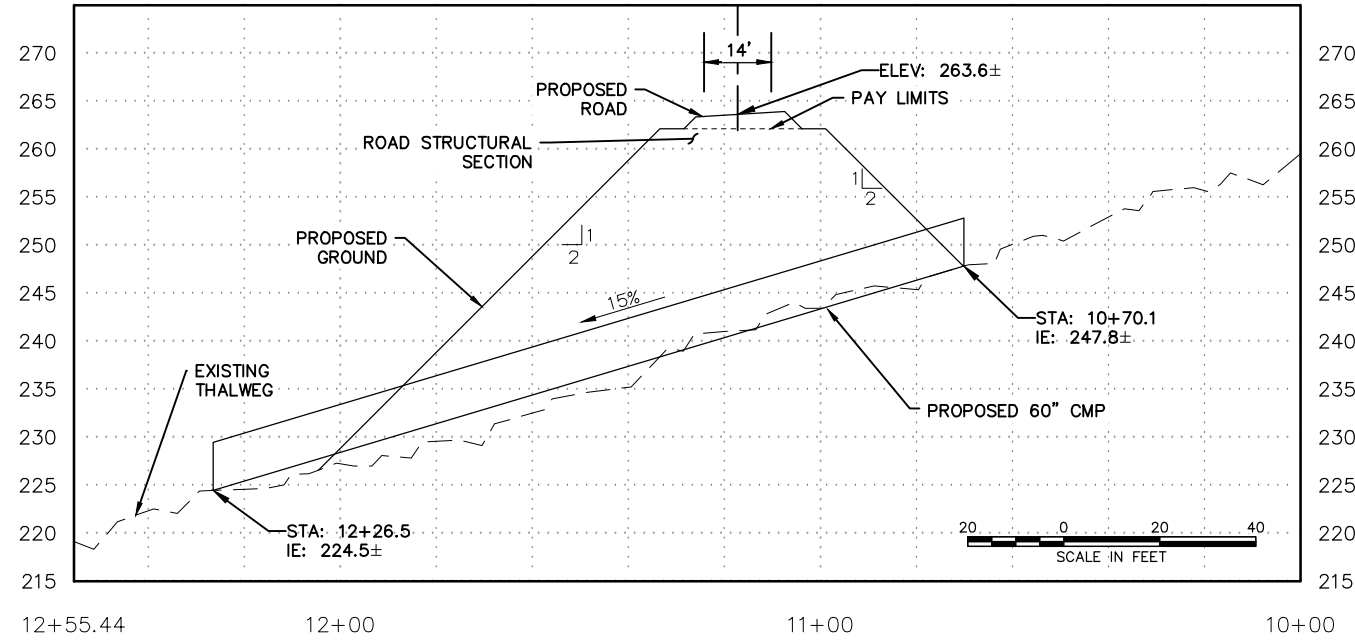
PROJECT	70819-01
DATE	06/28/2016
SHEET	
15	23



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	158'
SLOPE	15%
CORRUGATION	3" X 1"
MATERIAL	STEEL
GAUGE	12
EMBEDMENT	0'
MINIMUM COVER	1'

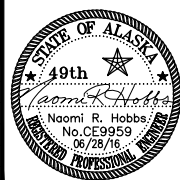


ESTIMATE OF QUANTITIES		
Item	Unit	Quantity
EXCAVATION	CUBIC YARD	129
EMBANKMENT	CUBIC YARD	1930
SHOT ROCK BORROW	CUBIC YARD	277
BEDDING, CLASS B	CUBIC YARD	212
60 INCH CMP	LINEAR FOOT	158
RIPRAP, CLASS II	CUBIC YARD	48
RIPRAP, CLASS III	CUBIC YARD	43
GEOTEXTILE SEPARATION	SQUARE YARD	61

- 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 1

REVISIONS			
REV	DATE	DESCRIPTION	BY

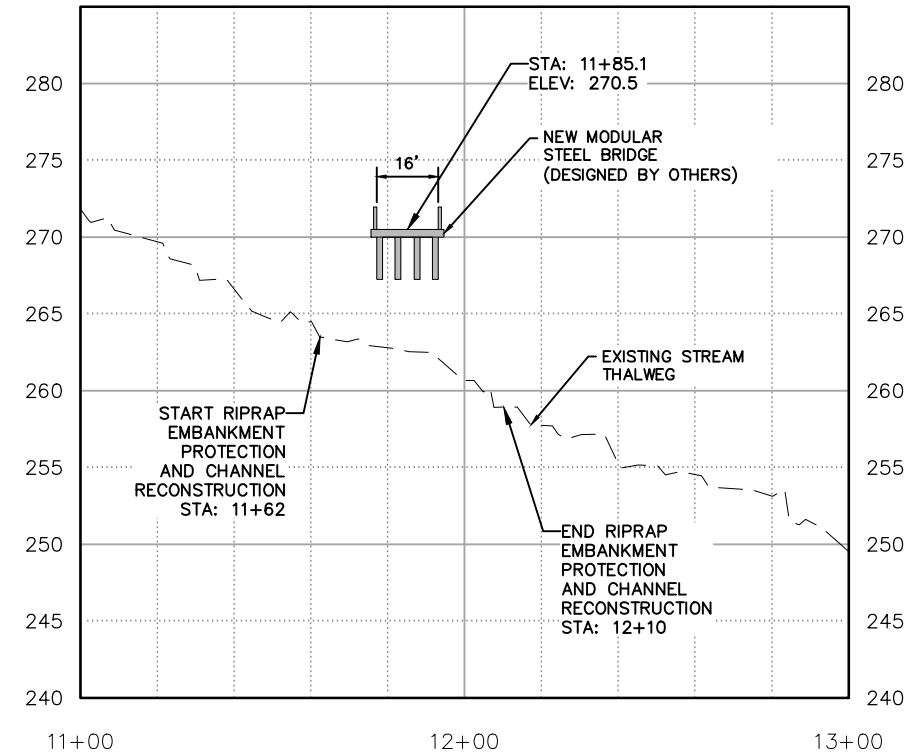
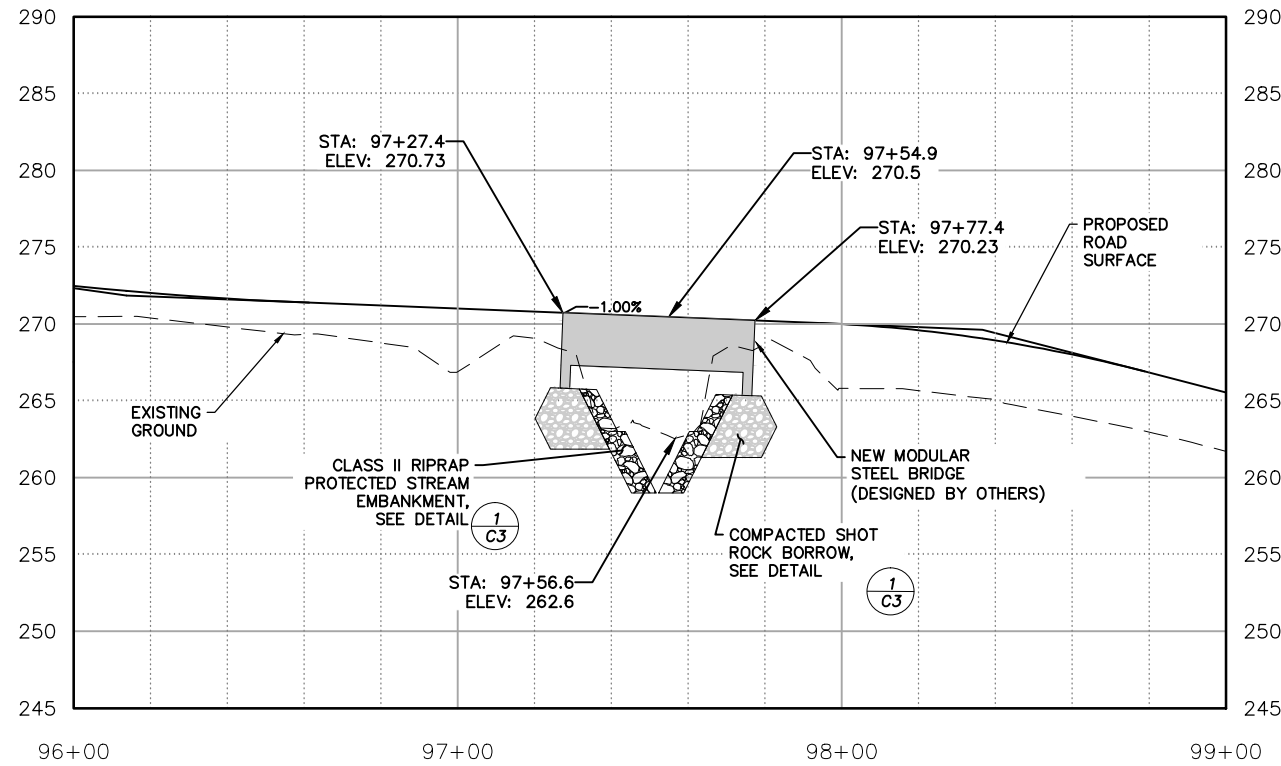
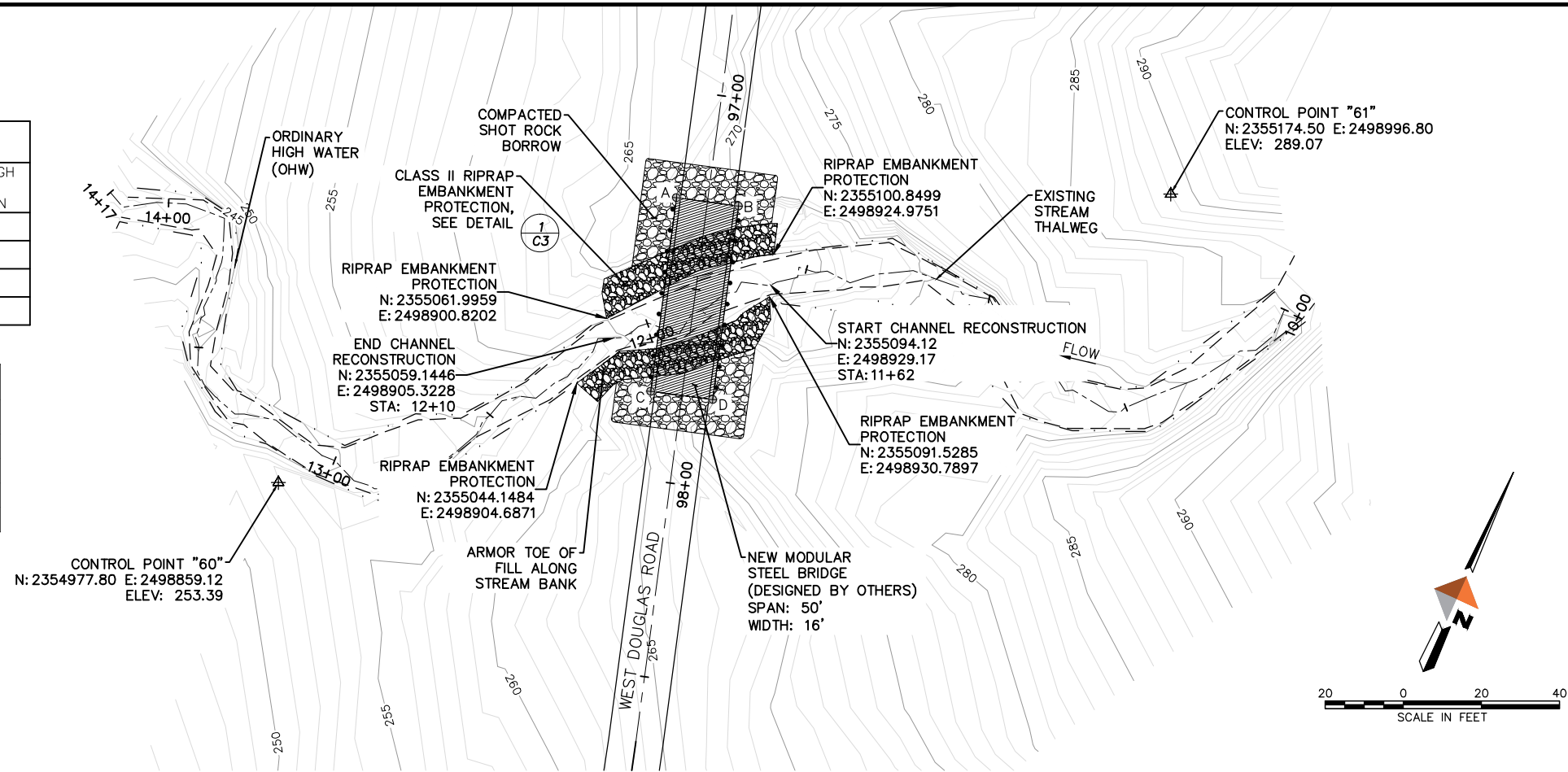


WEST JUNEAU FISH PASSAGE DESIGN
 JUNEAU, ALASKA
 MAJOR STREAM CULVERT: STA 59+50
 STREAM PLAN AND PROFILE
 JUNEAU, ALASKA

HYDROLOGIC & HYDRAULIC SUMMARY			
EXCEEDANCE PROBABILITY	RETURN PERIOD (YEAR)	DESIGN DISCHARGE (CFS)	DESIGN HIGH WATER ELEVATION (FT)
2.00%	50	110	263.57
1.00%	100	129	263.73

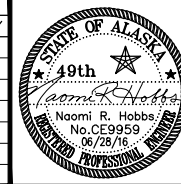
DRAINAGE AREA = 0.22 SQUARE MILES

BRIDGE COORDINATE TABLE			
POINT	NORTHING	EASTING	DECK ELEVATION
A	2355097.41	2498896.46	270.73
B	2355105.30	2498910.38	270.73
C	2355053.91	2498921.12	270.23
D	2355061.80	2498935.04	270.23



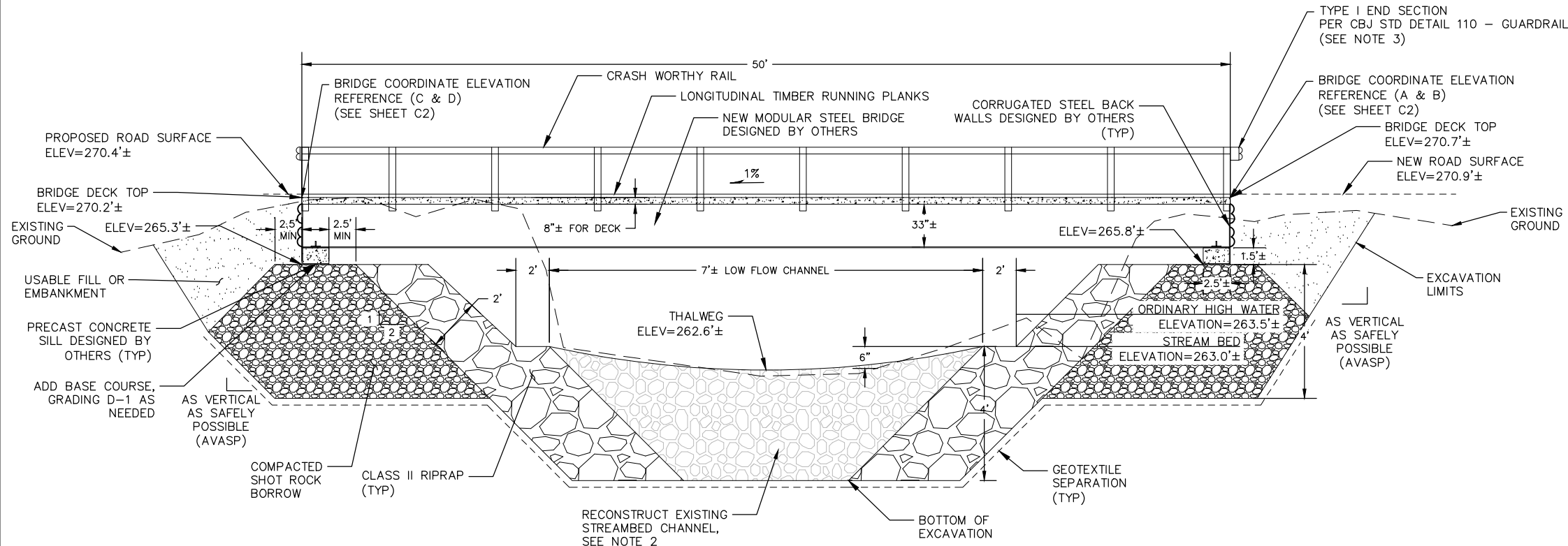
Addendum 1

REVISIONS			
REV	DATE	DESCRIPTION	BY



WEST JUNEAU FISH PASSAGE DESIGN
 JUNEAU, ALASKA
 BRIDGE CROSSING
 STA 97+00
 STREAM AND ROAD PLAN AND PROFILE
 JUNEAU, ALASKA

PROJECT	70819-01
DATE	06/28/2016
SHEET	1 OF 23

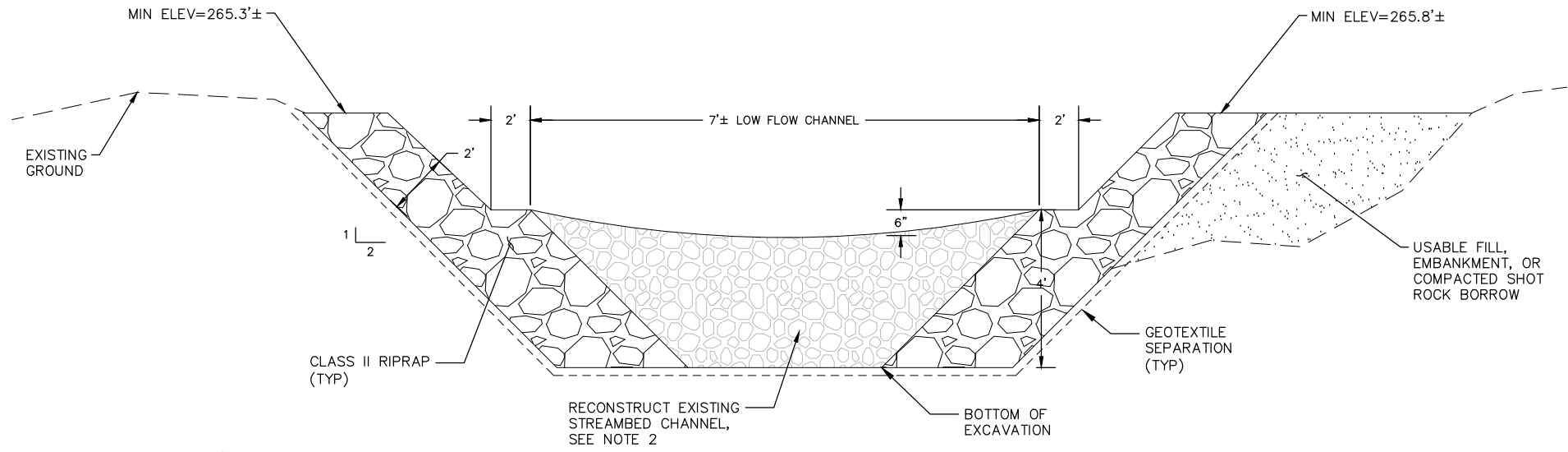


1
C3
NTS
TYPICAL CHANNEL CROSS-SECTION AT CENTER OF ROAD

- NOTES:**
1. MAINTAIN 11-FOOT WIDE CHANNEL SECTION THROUGH EXTENT OF RECONSTRUCTED CHANNEL FROM APPROXIMATE STATION 11+62 TO 12+10.
 2. SALVAGE AND REUSE EXCAVATED STREAMBED MATERIAL FOR RECONSTRUCTED CHANNEL.
 3. THE GUARDRAIL END TREATMENT MAY BE UPDATED AS FUTURE DEVELOPMENT OCCURS.

ESTIMATE OF QUANTITIES		
Item Description	Unit	Quantity
EXCAVATION	CUBIC YARD	626
EMBANKMENT	CUBIC YARD	30
SHOT ROCK BORROW	CUBIC YARD	163
50' X 16' MODULAR STEEL BRIDGE, WOOD WEAR SURFACE, DESIGNED BY OTHERS	LUMP SUM	ALL REQUIRED
PRECAST CONCRETE SILLS	LUMP SUM	ALL REQUIRED
GALVANIZED STEEL BACKWALLS	LUMP SUM	ALL REQUIRED
BRIDGE SHIPPING, ASSEMBLY, AND INSTALLATION	LUMP SUM	ALL REQUIRED
RIPRAP, CLASS II	CUBIC YARD	157
GEOTEXTILE SEPARATION	SQUARE YARD	341

PERMANENT FILL BELOW OHW		
MATERIAL	VOL (CY)	AREA (SF)
RIPRAP, CLASS II	119	1404
GEOTEXTILE SEPARATION	19	3072
SHOT ROCK BORROW	82	1287

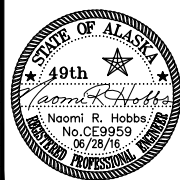


2
C3
NTS
TYPICAL CHANNEL CROSS-SECTION

- NOTES:**
1. PLACE EMBANKMENT OR COMPACTED SHOT ROCK BORROW BEHIND RIPRAP AS NECESSARY TO CONSTRUCT ABUTMENT AS SHOWN IN DETAIL 1/C3.

Addendum 1

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WEST JUNEAU FISH PASSAGE DESIGN
JUNEAU, ALASKA

BRIDGE CROSSING: STA 97+00
STREAM SECTION

JUNEAU, ALASKA

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