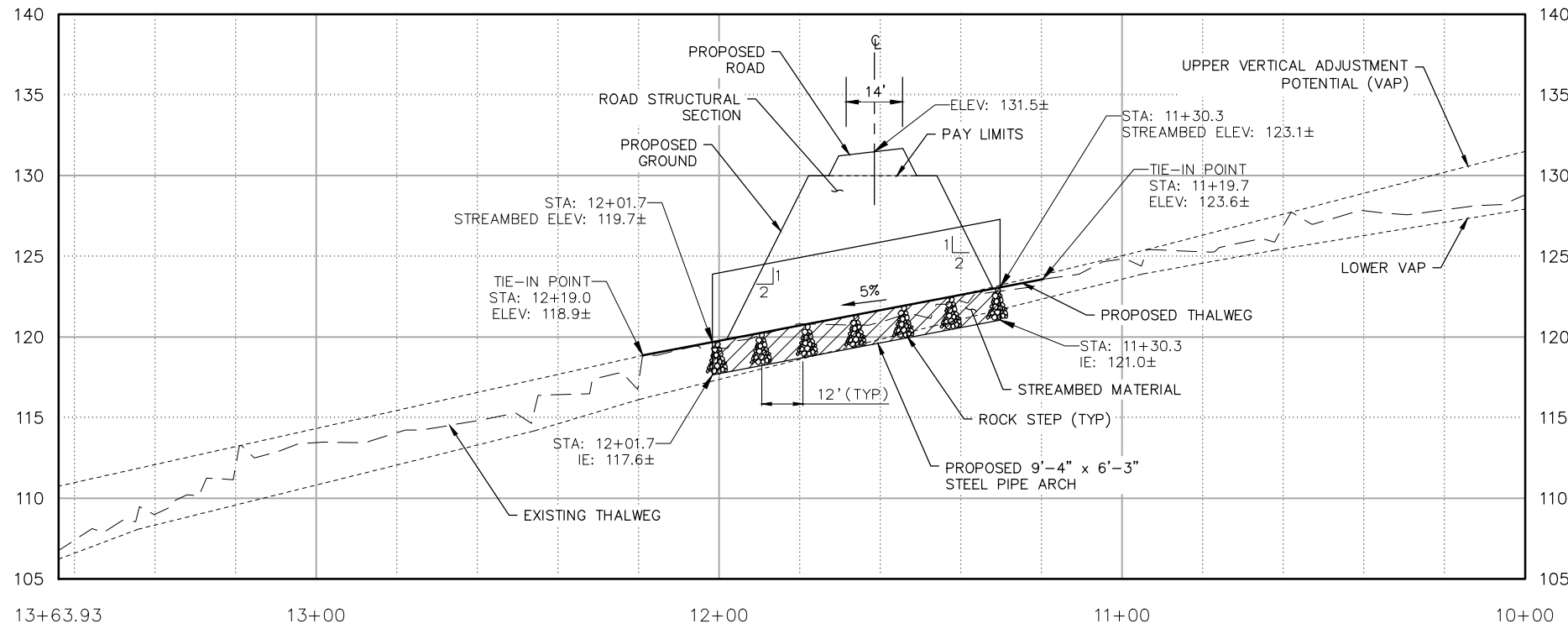


ESTIMATE OF QUANTITIES		
Item	Unit	Quantity
EXCAVATION	CUBIC YARD	163
EMBANKMENT	CUBIC YARD	252
SHOT ROCK BORROW	CUBIC YARD	169
BEDDING, CLASS B	CUBIC YARD	147
STRUCTURAL PLATE PIPE-ARCH, 9'-4" SPACE, 6'-3" RISE, 12 GAGE	LINEAR FOOT	66
RIPRAP, CLASS II	CUBIC YARD	61
GEOTEXTILE SEPARATION	SQUARE YARD	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				

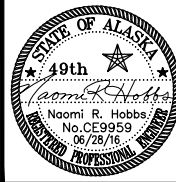


CULVERT SUMMARY SCHEDULE	
SIZE	9'-4" x 6'-3"
LENGTH	66'
SLOPE	5%
CORRUGATION	3" x 1"
MATERIAL	STEEL
GAUGE	12
EMBEDMENT	2'
MINIMUM COVER	1.5'

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	
<b>15</b>	<b>OF 23</b>