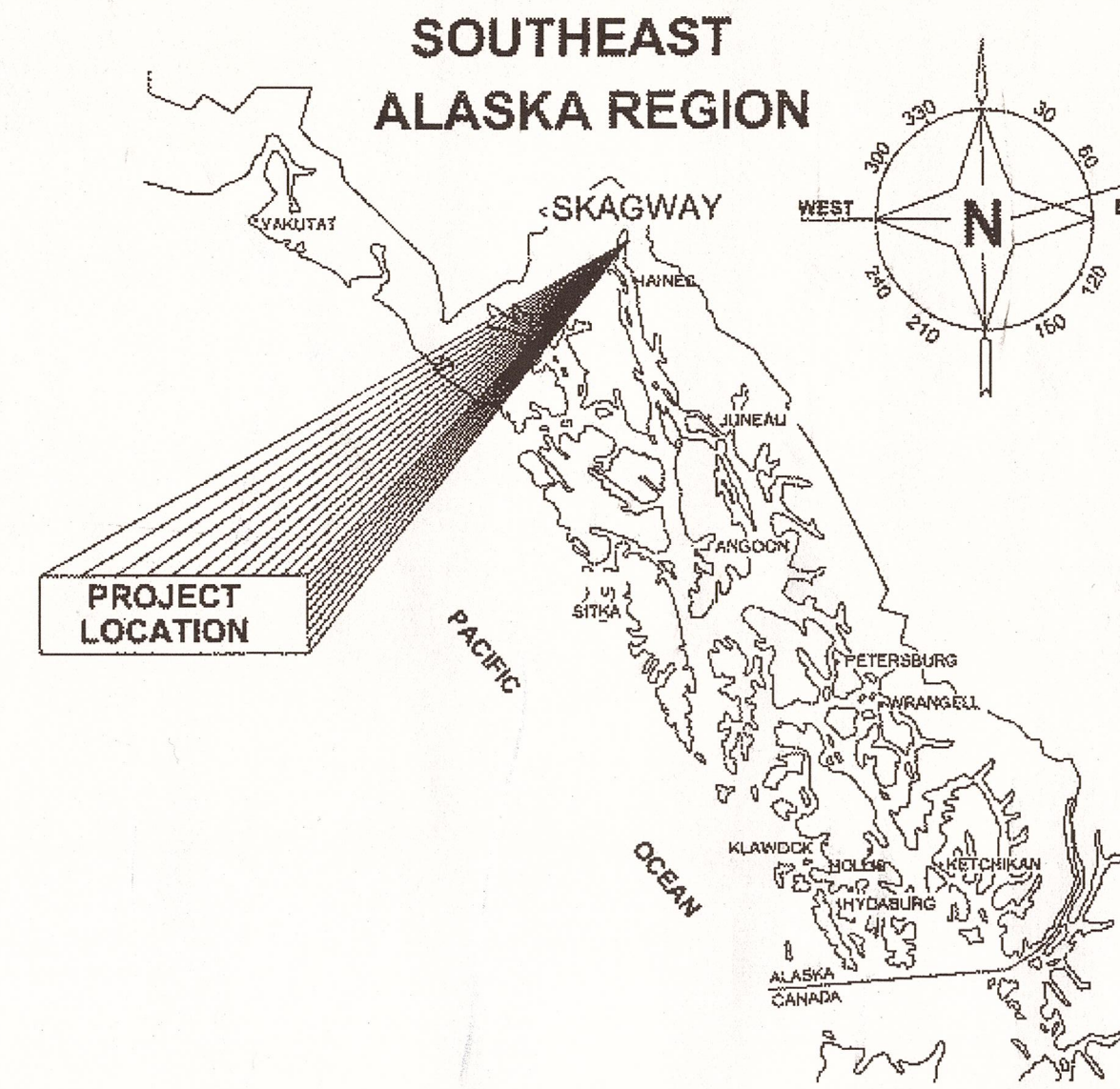


State of Alaska

Department of Transportation
and Public Facilities
Southeast Region

SKAGWAY, ALASKA SGY - DYEA ROAD IMPROVEMENTS

PROJECT No. HHE-0997(8) ~ 67424



Project #: 67424/HHE-0997(8)
Project Name: Skagway-Dyea Road Improvements
Project Engineer: Jeremy L. Stephens
Prime Contractor: Hamilton Construction, LLC
NTP Date: December 18, 2012
Completion Date: January 29, 2015

To the best of my knowledge these as-builts are current and accurate.

Project Engineer *JS* Date *3-13-15*

DESIGN DESIGNATION

A.D.T. 2008	=	240
A.D.T. 2031	=	270
D.H.V. (22.7%) 2031	=	61
% T	=	25.3%
V	=	25 MPH
E.A.L.	=	100,000

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE *JS* Date *4-3-15*

PROJECT SUMMARY

LENGTH OF PROJECT	=	0.80 MILES
EMBANKMENT REPAIR	=	660 FT
THE DROP OFF	=	460 FT
THE NARROWS	=	675 FT
HACKETT HILL	=	2431 FT
WIDTH OF PROJECT (ROAD SURFACE)	=	24 FT

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:

C-04.12	D-01.02	G-00.02	I-81.00
	D-04.21	G-04.06S	
	D-09.00	G-10.01	
	D-14.10	G-20.10	

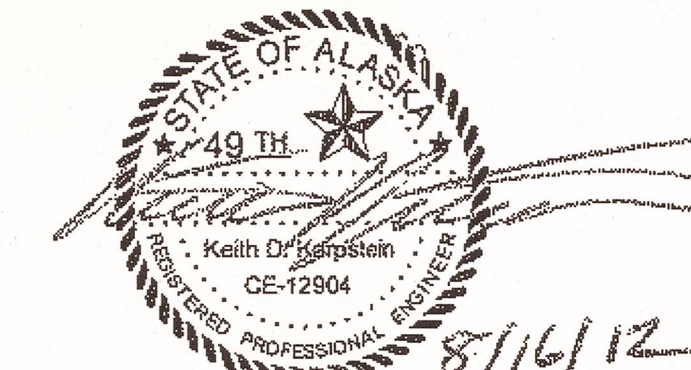
INDEX

SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2-A3	SURVEY CONTROL PLAN
B1-B3	TYPICAL SECTIONS
C1	ESTIMATE OF QUANTITIES
D1	SUMMARY TABLES
E1-E4	DETAILS
F1-F5	PLAN & PROFILE
P1-P4	EROSION & SEDIMENT CONTROL PLANS
Q1	HACKETT HILL RECHANNELIZATION
T1-T2	TRAFFIC CONTROL PLAN
T3-T5	CONSTRUCTION SEQUENCING

CDS MILEPOINT	CDS ROUTE #	START	END
	299520	0.0	7.139

PATH: Q:\SGY\67424\PLANSET\67424_A1_TSHT.DWG TAB:A1
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

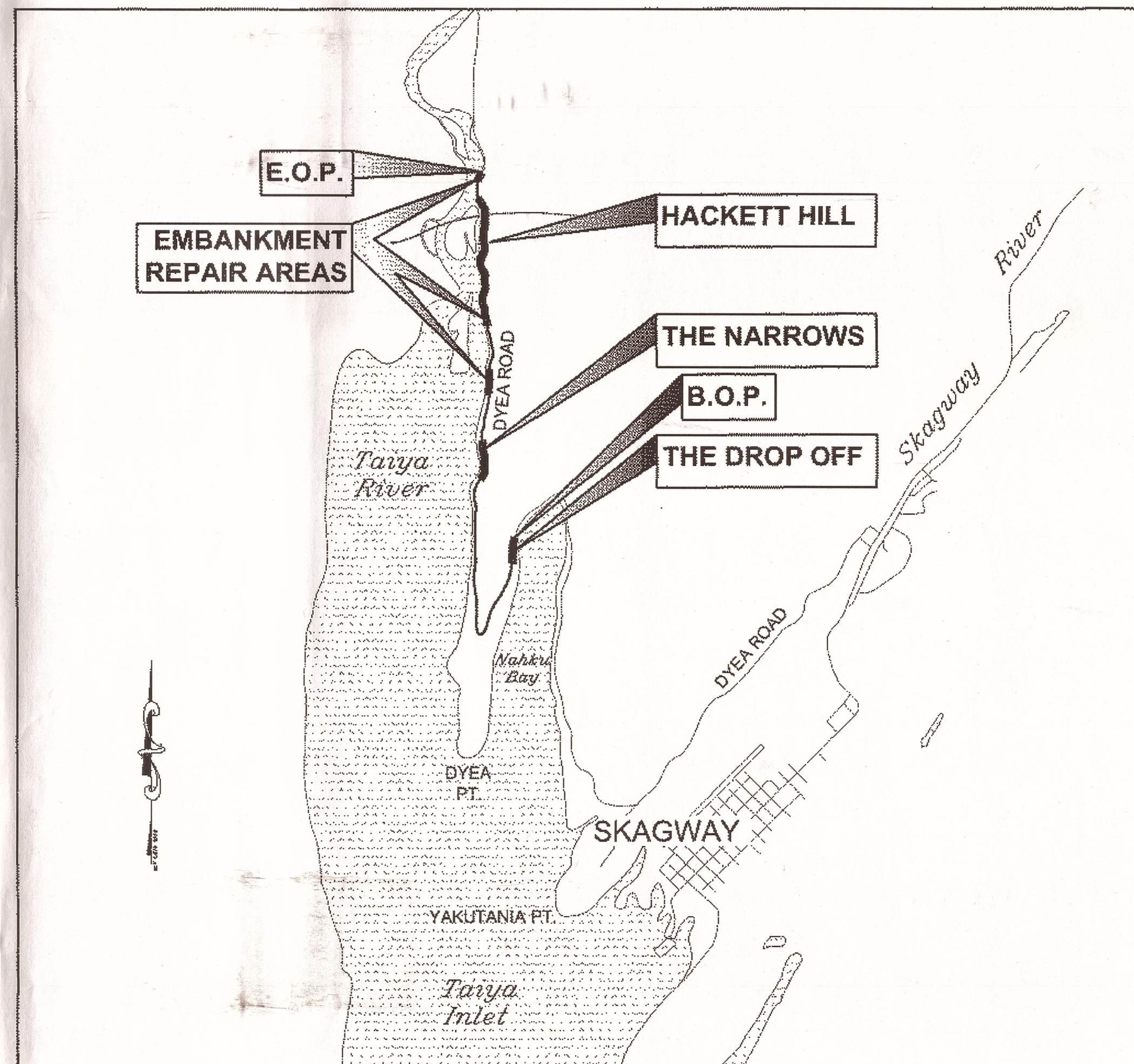


APPROVED: *Chuck Correa* *8/17/12*
REGIONAL PRE-CONSTRUCTION ENGINEER DATE
CHUCK CORREA, P.E.

APPROVED: *Albert H. Clough* *8.17.12*
DIRECTOR, SOUTHEAST REGION DATE
ALBERT H. CLOUGH, CPG

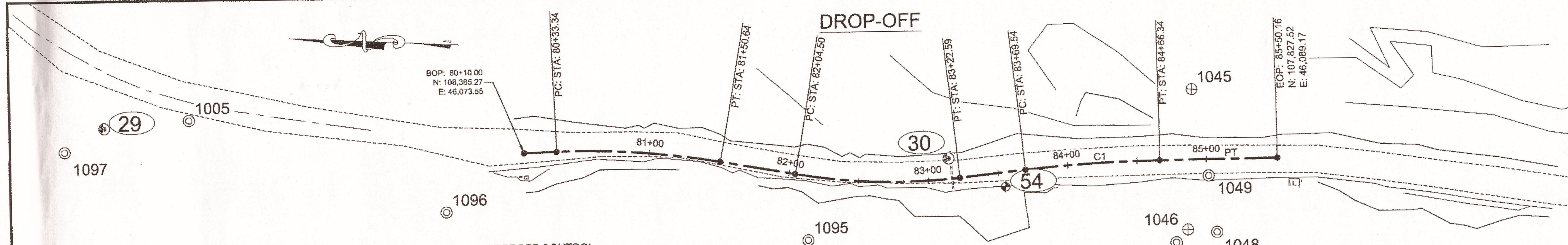
CERTIFIED TRUE & CORRECT AS-BUILT OF ACTUAL FIELD CONDITION:
John D. Kiden *5/13/15*
CONSTRUCTION PROJECT MANAGER DATE

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	HHE-0997(8) ~ 67424	2012	A1	27



VICINITY MAP

GRANTHAM, RICK L (DOT)		
TAB: A2	Wednesday, August 15, 2012 2:50:11 PM	
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



DROPOFF CONTROL

POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
29	N/A	N/A	108664.1214	46079.2708	126.76	ALCTRL2"/REBAR_DYE-29
30	83+15.92	14.54L	108062.4310	46080.6760	118.66	ALCTRL2"/REBAR_DYE-30
54	83+54.03	10.28R	108021.2120	46061.8637	123.35	TBM3.25"/BC/ROCK_TBM-54

DROPOFF PROPERTY

POINT	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
1005	N/A	N/A	108603.7368	46087.4444	LEAD_PLUG/TACK_D-35
1045	84+90.49	50.12L	107889.9101	46135.8632	ALCAP3.25"/DIGGER_L5_ASLS79-188/ROW
1046	84+84.91	49.79R	107889.8835	46035.8046	ALCAP3.25"/DIGGER_ASLS79-188/ROW
1047	84+76.52	58.74R	107897.7575	46026.3933	BT_14"/HEMLOCK
1048	85+05.82	51.97R	107868.8828	46034.8015	BT_12"/HEMLOCK
1049	85+01.26	11.65R	107875.6897	46074.8018	BT_12"/ALDER
1095	82+19.43	45.40R	108160.9110	46018.9405	PLASCAP1.5"/_7570S_RTK
1096	N/A	N/A	108418.6772	46029.2970	PLASCAP1.5"/_7570S_RTK
1097	N/A	N/A	108691.6136	46061.2151	PLASCAP1.5"/_7570S_RTK
1098	N/A	N/A	108691.1055	45903.6111	ALPRIM3.25"/ASLS-97-61_S34/S35/S3/S2_4603S_RTK

HORIZONTAL CONTROL

Horizontal Control for this project is based on the DOT/PF 2002 Skagway Grid. This Grid is different than the 2000 Skagway grid because NGS control points for that grid have been destroyed with Airport project. This grid is based on OPUS sessions at GPS control stations ATS-4.

The DOT/PF SkagwayGrid-2002 System is a local ground coordinate system based at DOT/PF GPS control station ATS-4. It relates to AKSPC zone 1 NAD83 through the following parameters:
 Zone = NAD83 AKSPC ZONE 1
 Grid Scale = 0.999998136
 Convergence = -1°23'17"

Translation about DOT/PF control point ATS-4 as follows:
 AKSPC Northing = 2787802.33802 FT US
 AKSPC Easting = 2377423.19027 FT US
 Local Northing = 100611.34790 FT US
 Local Easting = 49413.96260 FT US

PID	LAT	LON	ELLIP	ORTHO
ATS4	N 59° 27' 19.98147"	W 135° 19' 26.49820"	54.03'	29.25'

ATS-4 is a 3/4" aluminum cap in concrete located at the airport approx. 100' inside the Southeast gate. It is also corner # 1 of ASLS 99-5. For this project, all published control coordinates have been reduced to ground distances.

VERTICAL CONTROL

The Vertical Datum for SGY Grid-2002 is MLLW Skagway tidal datum 9452400 based on third order trig levels and supplemented with GPS derived GEOID '99 Modeled Heights through DYE A control network. Trig levels were run from the NOS benchmark BM11 located just east of the spur line to the wharf, having a published elevation of 35.10 feet above MLLW to DOT/PF control points at the BOP. The tidal epoch is 1960-1978, but this epoch has been updated with a 5 year observation period from Jan '94 to Dec '98 published Nov '99. ATS-4 has an observed elevation of 29.25 ft above MLLW. Ellipsoid elevation of ATS-4 modified to 54.03 ft to adjust GEOID'99 to our local Tidal Datum of MLLW. That ellipsoid offset is +11.64' to published ellipsoid heights in the area. Geoid'99 Modeled Heights have proven better than 0.1' absolute accuracy compared with differential leveled values in the Skagway area.

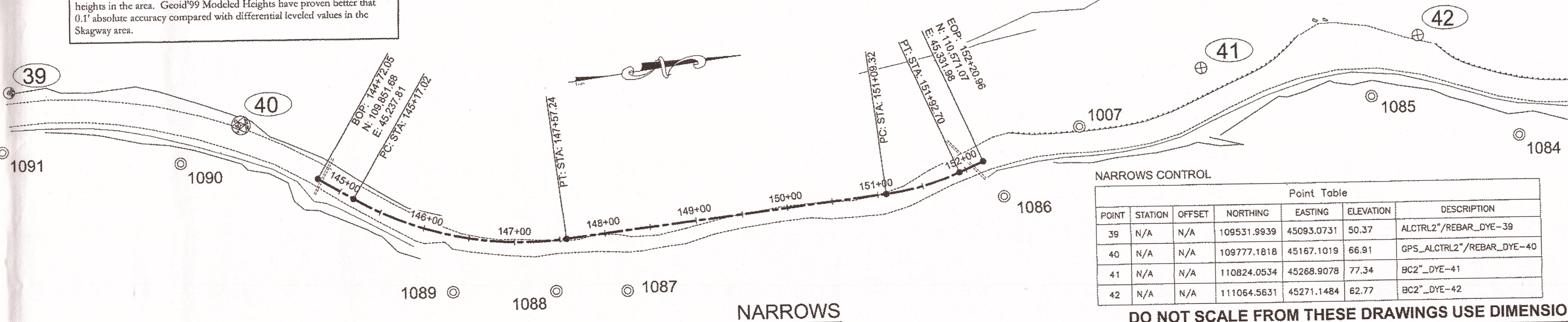
MONUMENT NOTES:

1. If any pair of control points disagrees from published value by more than 1:10,000 horizontally or vertically then a third network point must be tied to ascertain which point is in error or has been disturbed.
2. Whether listed or not, all monuments, property markers, or accessories that will be disturbed or buried shall be referenced prior to being disturbed, and re-established in their original position and a record of monument form in accordance with A.S.34.65.040 shall be submitted to the construction engineer for review prior to recording. Coordinate values listed are for informational purposes and should be used to reset monuments only as a last resort.

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE: [Signature] Date: 4-3-15

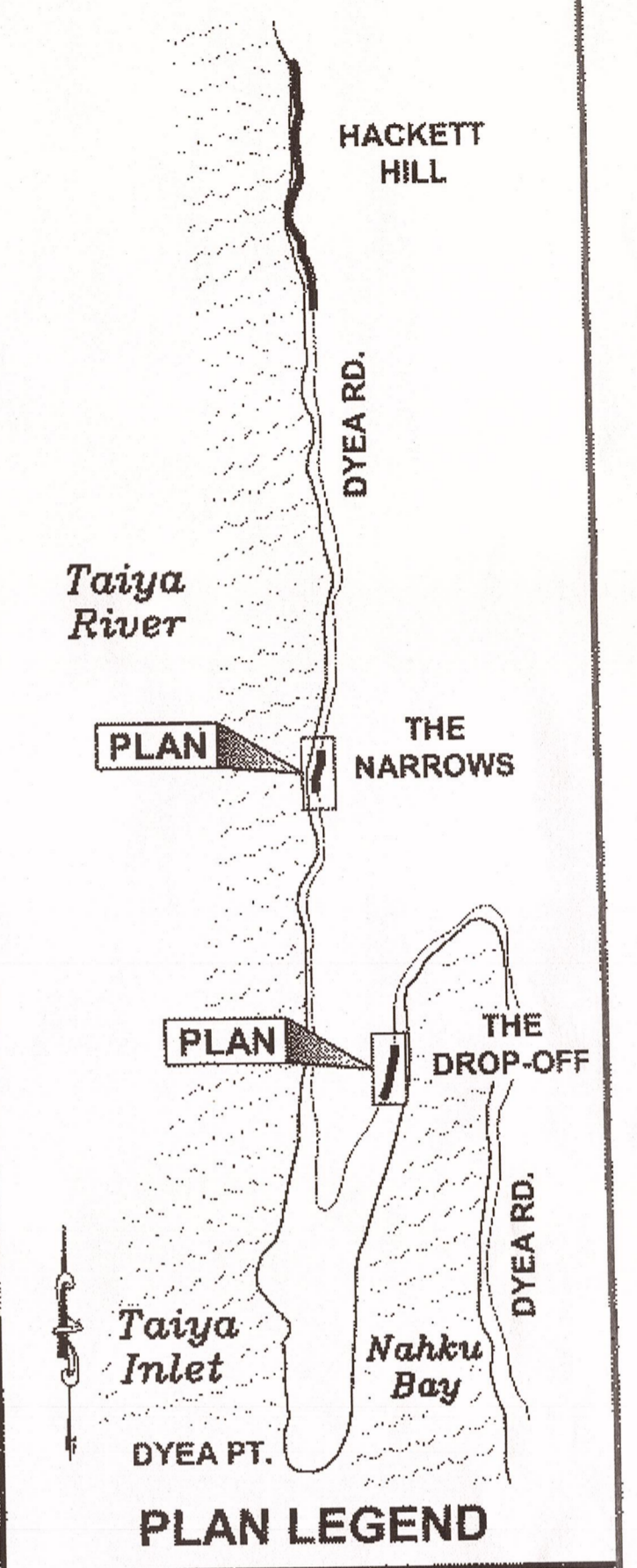
NARROWS PROPERTY

POINT	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
1007	N/A	N/A	110681.2187	45311.0488	PLASCAP/REBAR_D-55
1084	N/A	N/A	111157.8422	45395.8784	PLASCAP1.5"/_7570S_RTK
1085	N/A	N/A	111003.3574	45328.6798	PLASCAP1.5"/_7570S_RTK
1086	N/A	N/A	110587.6774	45373.4757	PLASCAP1.5"/_7570S_RTK
1087	148+15.90	65.58R	110167.0234	45411.1190	PLASCAP1.5"/_7570S_RTK
1088	147+40.90	55.69R	110089.7493	45399.5263	PLASCAP1.5"/_7570S_RTK
1089	146+43.17	60.90R	109978.0595	45382.9736	PLASCAP1.5"/_7570S_RTK
1090	N/A	N/A	109706.4276	45198.5698	PLASCAP1.5"/_7570S_RTK
1091	N/A	N/A	109514.8151	45156.6761	PLASCAP1.5"/_7570S_RTK



NARROWS CONTROL

POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
39	N/A	N/A	109531.9939	45093.0731	50.37	ALCTRL2"/REBAR_DYE-39
40	N/A	N/A	109777.1818	45167.1019	66.91	GPS_ALCTRL2"/REBAR_DYE-40
41	N/A	N/A	110824.0534	45268.9078	77.34	BC2"/DYE-41
42	N/A	N/A	111064.5631	45271.1484	62.77	BC2"/DYE-42



CHECKED BY: R. DAVIS

DESIGNED BY: T. REED

DRAWN BY: T. REED

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

SGY - DYE A ROAD IMPROVEMENTS PROJECT # 67424

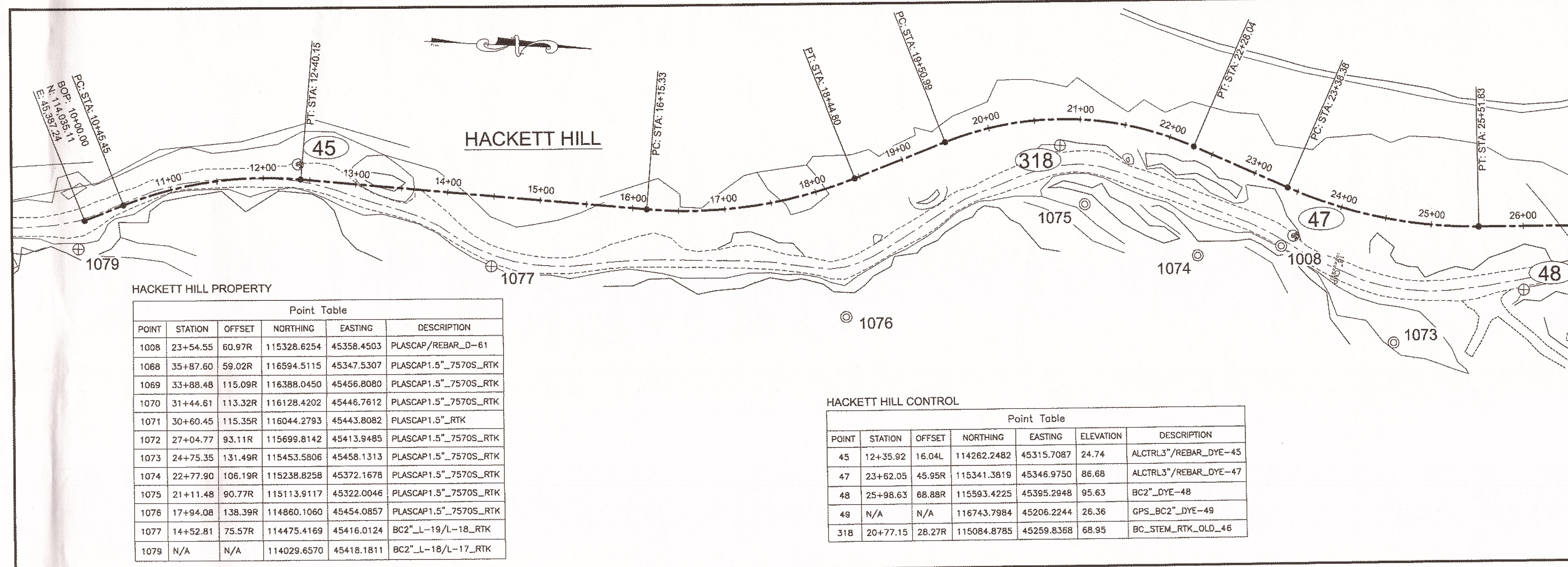
SURVEY CONTROL

PROJECT DESIGNATION	
HHE-0997(8) ~ 67424	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
A2	27

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

GRANTHAM, RICK L (DOT)
 TAB: A3 Wednesday, August 15, 2012 2:50:03 PM

ADDDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

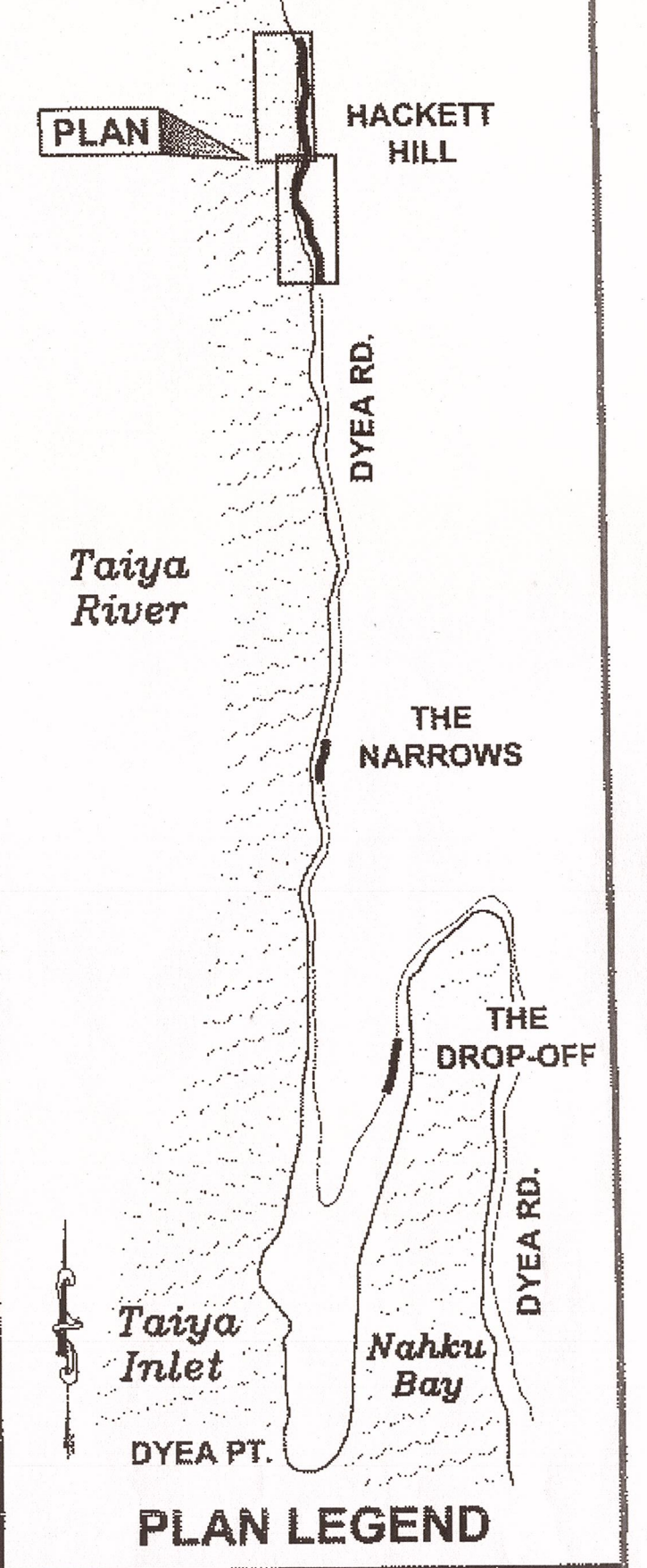


HACKETT HILL PROPERTY

POINT	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
1008	23+54.55	60.97R	115328.6254	45358.4503	PLASCAP/REBAR_D-61
1068	35+87.60	59.02R	116594.5115	45347.5307	PLASCAP1.5" _7570S_RTK
1069	33+88.48	115.09R	116388.0450	45456.8080	PLASCAP1.5" _7570S_RTK
1070	31+44.61	113.32R	116128.4202	45446.7612	PLASCAP1.5" _7570S_RTK
1071	30+60.45	115.35R	116044.2793	45443.8082	PLASCAP1.5" _RTK
1072	27+04.77	93.11R	115699.8142	45413.9485	PLASCAP1.5" _7570S_RTK
1073	24+75.35	131.49R	115453.5806	45458.1313	PLASCAP1.5" _7570S_RTK
1074	22+77.90	106.19R	115238.8258	45372.1678	PLASCAP1.5" _7570S_RTK
1075	21+11.48	90.77R	115113.9117	45322.0046	PLASCAP1.5" _7570S_RTK
1076	17+94.08	138.39R	114860.1060	45454.0857	PLASCAP1.5" _7570S_RTK
1077	14+52.81	75.57R	114475.4169	45416.0124	BC2" _L-19/L-18_RTK
1079	N/A	N/A	114029.6570	45418.1811	BC2" _L-18/L-17_RTK

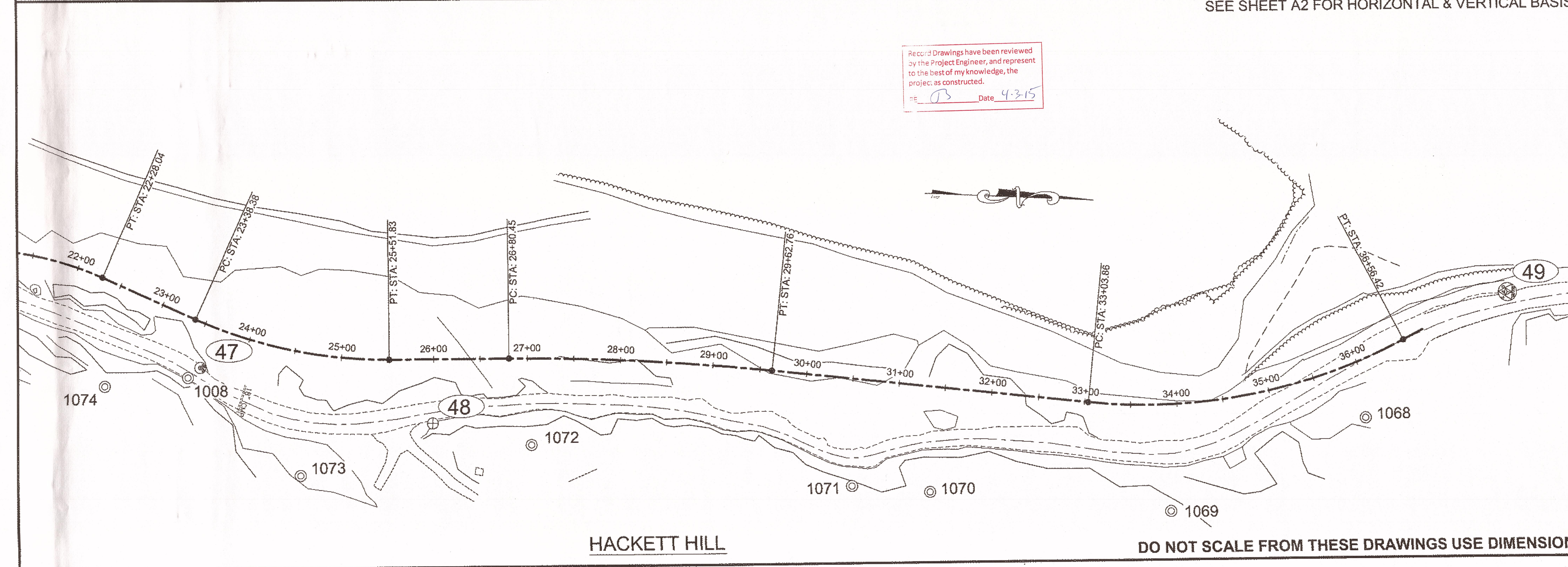
HACKETT HILL CONTROL

POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
45	12+35.92	16.04L	114262.2482	45315.7087	24.74	ALCTRL3"/REBAR_DYE-45
47	23+62.05	45.95R	115341.3819	45346.9750	86.68	ALCTRL3"/REBAR_DYE-47
48	25+98.63	68.88R	115593.4225	45395.2948	95.63	BC2" _DYE-48
49	N/A	N/A	116743.7984	45206.2244	26.36	GPS_BC2" _DYE-49
318	20+77.15	28.27R	115084.8785	45259.8368	68.95	BC_STEM_RTK_OLD_46



SEE SHEET A2 FOR HORIZONTAL & VERTICAL BASIS

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *RB* Date 4-3-15



CHECKED BY: R. DAVIS

DESIGNED BY: T. REED
 DRAWN BY: T. REED

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

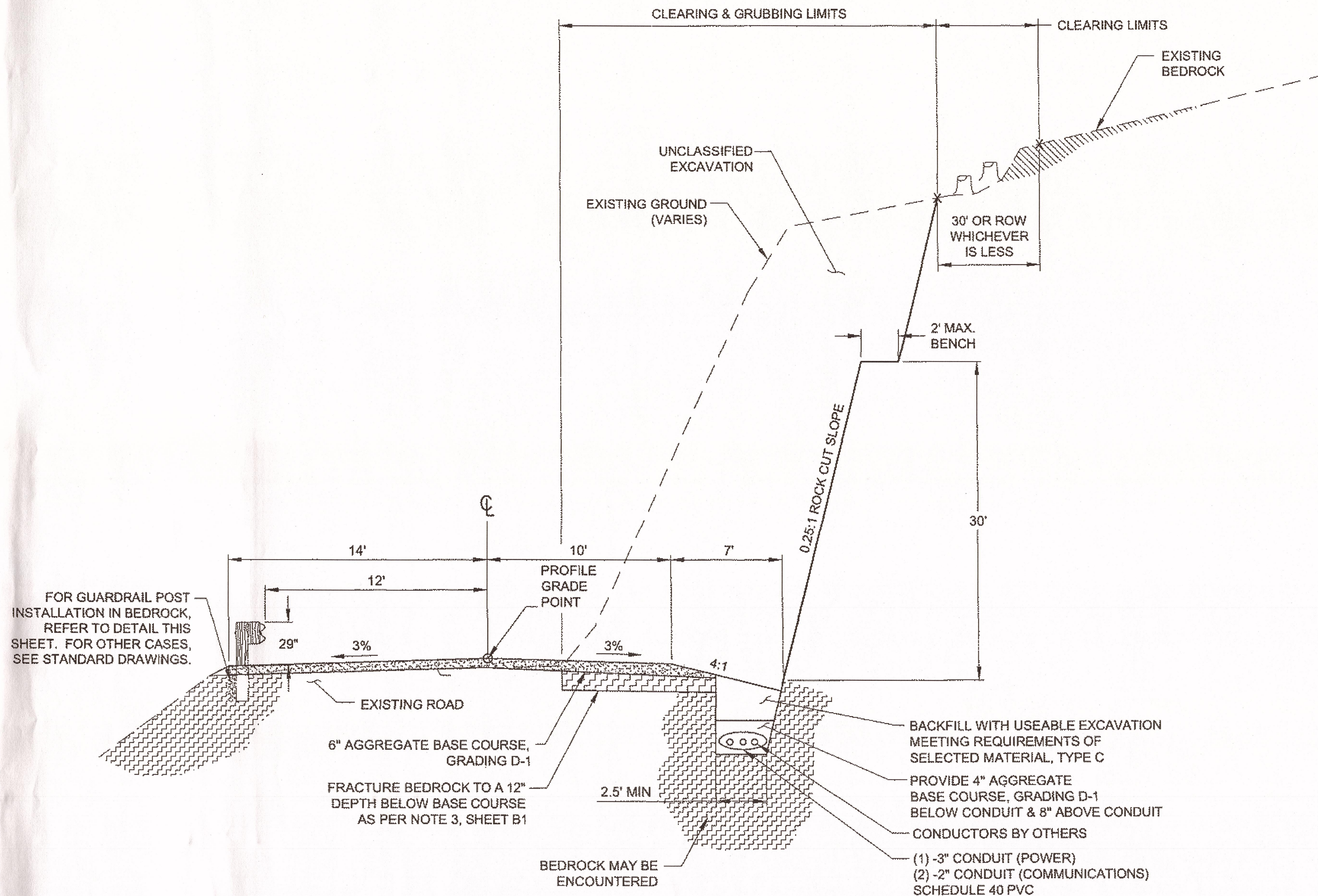
SGY - DYE RD IMPROVEMENTS
 PROJECT # 67424

SURVEY CONTROL

PROJECT DESIGNATION
HHE-0997(8) ~ 67424

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
A3	27

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

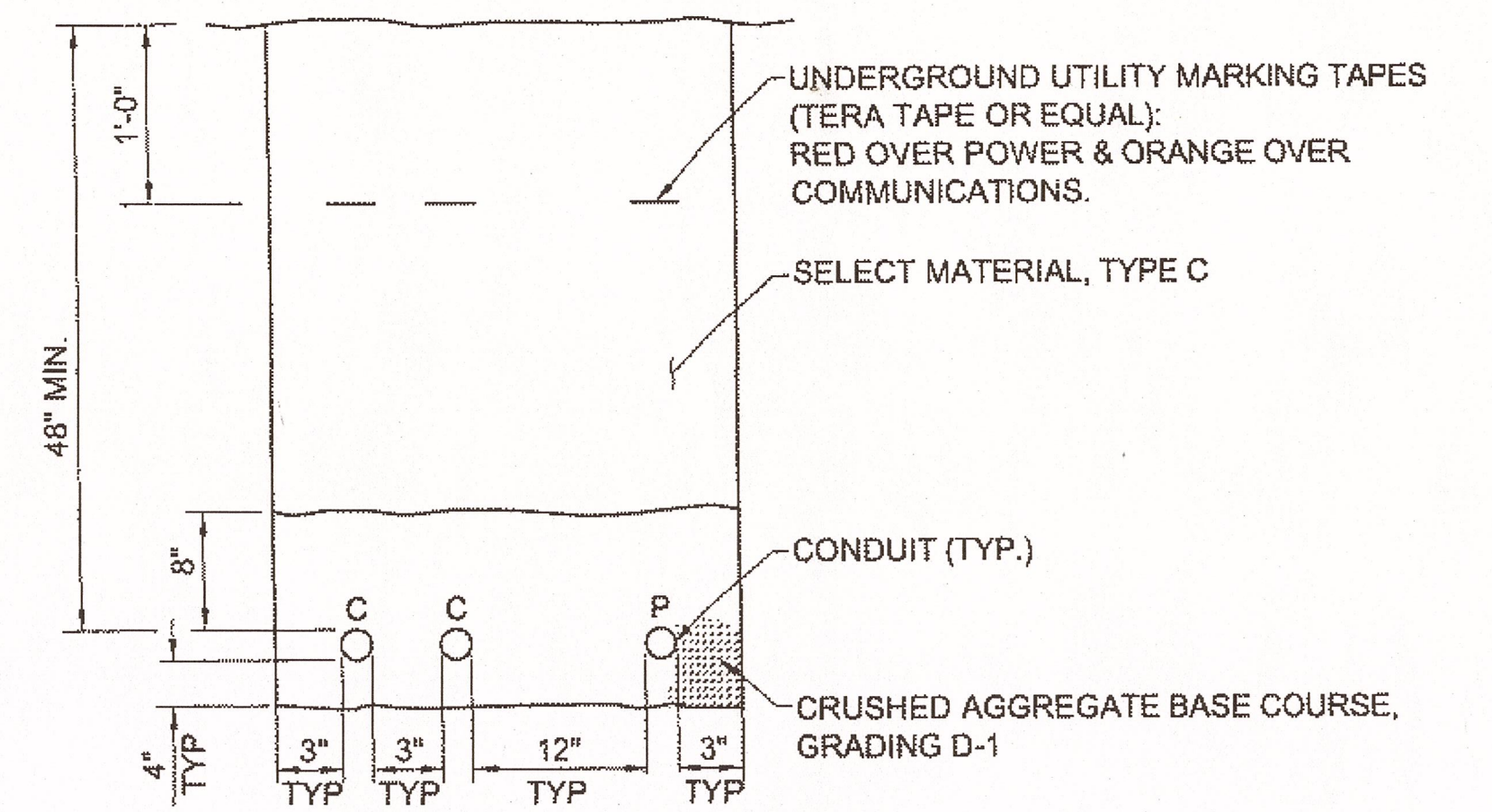


TYPICAL SECTION
THE DROP OFF

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE *JB* Date 4.3.15

NOTES (TYPICAL FOR ALL B SHEETS):

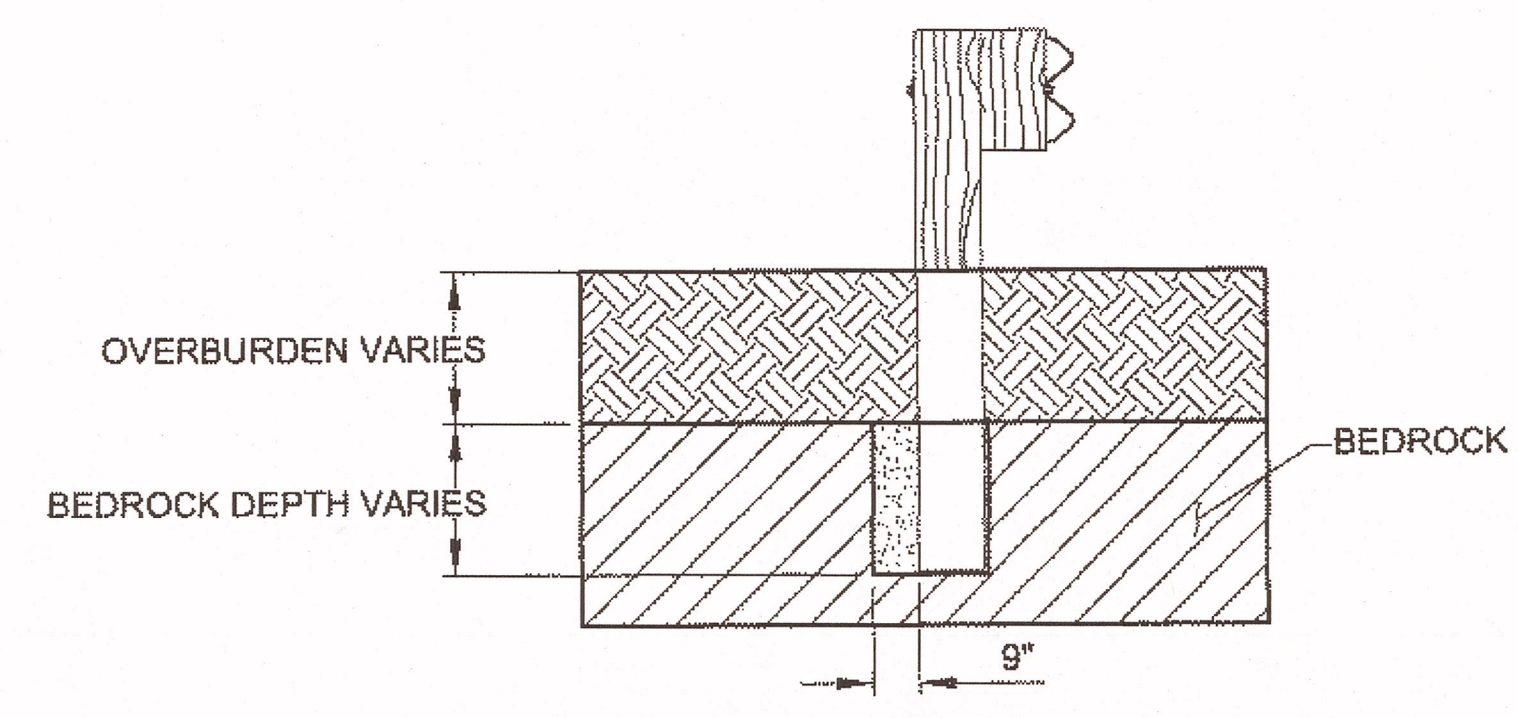
1. SUPERELEVATION ROTATION AT CENTERLINE.
2. INSTALL GUARDRAIL ACCORDING TO TYPICAL, STANDARD DETAIL, & SUMMARY TABLE ON D SHEETS. FOR INSTALLATION IN BEDROCK, SEE DETAIL THIS SHEET. REFER TO STANDARD DRAWING G-04.06S FOR TYPICAL INSTALLATIONS.
3. IN ROCK CUT, FRACTURE THE ROCK TO A DEPTH 12" BELOW THE AGGREGATE BASE COURSE TO PROVIDE FOR DRAINAGE OUT FROM THE ROAD BED.
4. ALL WORK BELOW HIGH TIDE LINE (HTL), ELEVATION 20.6'. SUBJECT TO REGULATIONS AND PERMIT REQUIREMENTS. SEE SPECIAL PROVISIONS, APPENDIX B.
5. REFER TO SUBSECTION 203-3.06 OF SPECIAL PROVISIONS REGARDING INVASIVE SPECIES.
6. STABILIZE ALL SOIL CUTS OR FILLS. REFER TO SECTION 618 OF THE SPECIAL PROVISIONS.



UTILITY TRENCH DETAIL
NTS

NOTES:

1. ALL DIMENSIONS ARE MINIMUM.
2. THE LOCATION OF ALL EXISTING PIPING, CONDUIT, ETC MAY NOT BE WHERE SHOWN OR MAY NOT BE SHOWN. ALL LOCATIONS THAT ARE SHOWN ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED. OBTAIN UTILITY LOCATES PRIOR TO DIGGING. DIG WITH CAUTION. AVOID WATER, SEWER, DRAINAGE PIPES AND OTHER CONFLICTS.
3. MAINTAIN 12 INCHES MINIMUM SEPARATION (ALL DIRECTIONS) BETWEEN POWER AND COMMUNICATION CONDUITS.



GUARDRAIL POST
INSTALLATION IN BEDROCK

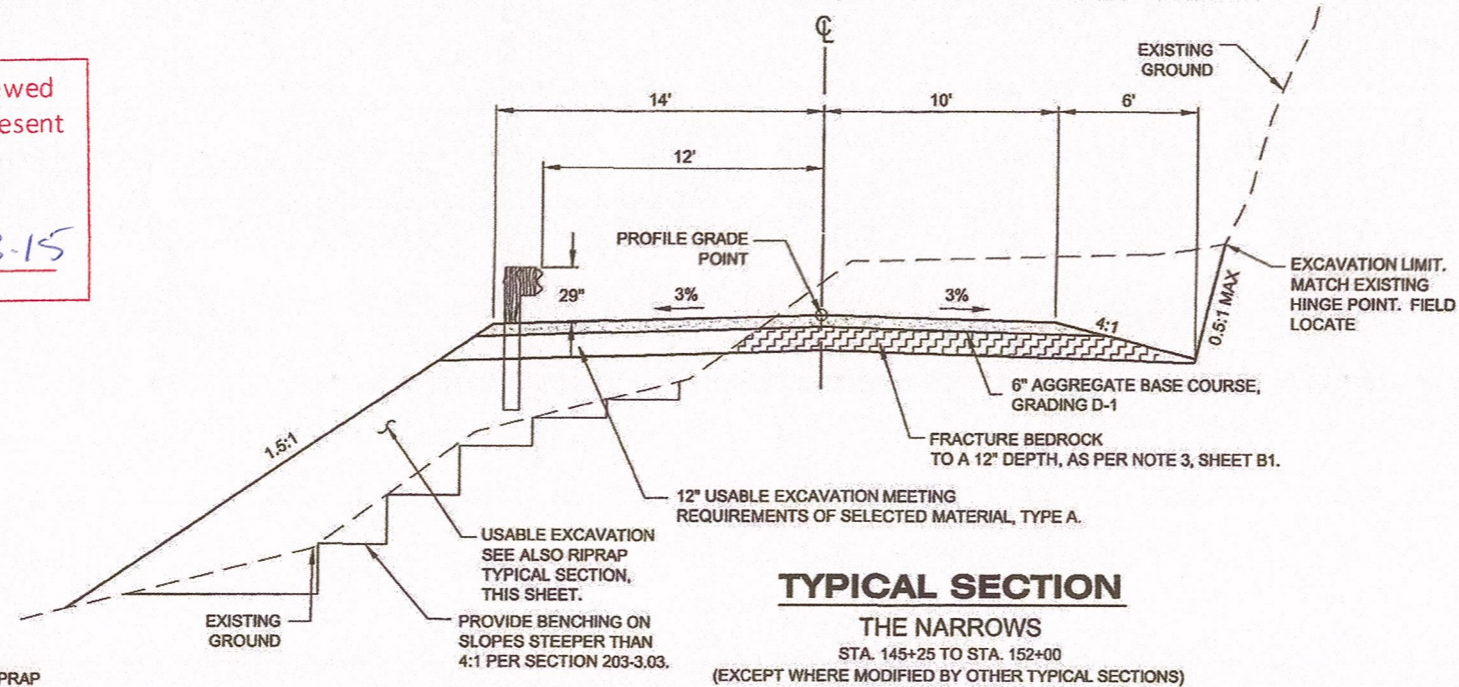
DRILLED HOLE IN ROCK WILL BE CONSTRUCTED BY DRILLING A 15" DIA. HOLE TO THE DEPTH REQUIRED FOR POST INSTALLATION.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: K. KARPSTEIN		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION	
		SGY - DYEA ROAD IMPROVEMENTS PROJECT # 67424	
		TYPICAL SECTIONS	
DESIGNED BY: N. GEARY		YEAR: 2012	
DRAWN BY: N. GEARY / R. GRANTHAM		SHEET NO: B1	
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NO. DATE DESCRIPTION			

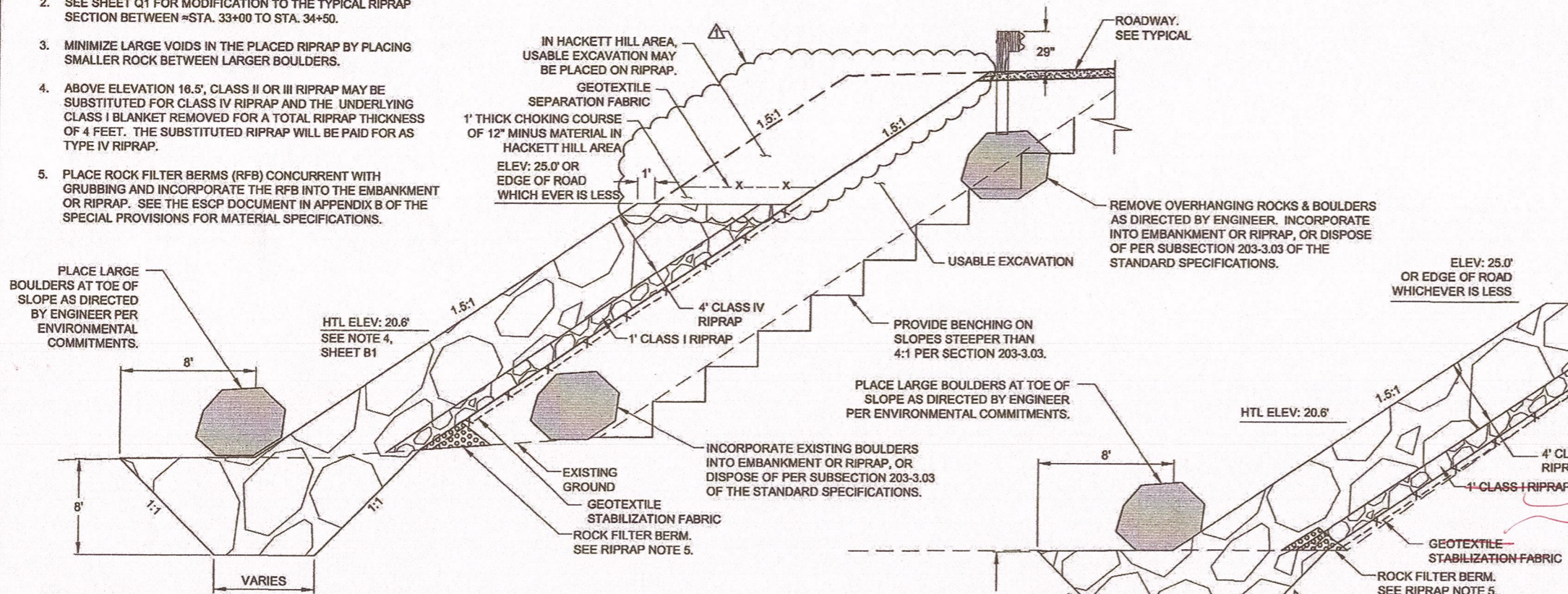
Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE *JS* Date *4-3-15*



RIPRAP NOTES:

1. EXTEND RIPRAP SLOPE PROTECTION BEYOND KEYED-IN SECTIONS INDICATED BELOW TO SMOOTHLY TAPER THE RIPRAP TO THE EXISTING SLOPE. NO FABRIC OR CLASS I RIPRAP REQUIRED BEYOND KEYED-IN SECTION.
2. SEE SHEET Q1 FOR MODIFICATION TO THE TYPICAL RIPRAP SECTION BETWEEN STA. 33+00 TO STA. 34+50.
3. MINIMIZE LARGE VOIDS IN THE PLACED RIPRAP BY PLACING SMALLER ROCK BETWEEN LARGER BOULDERS.
4. ABOVE ELEVATION 16.5', CLASS II OR III RIPRAP MAY BE SUBSTITUTED FOR CLASS IV RIPRAP AND THE UNDERLYING CLASS I BLANKET REMOVED FOR A TOTAL RIPRAP THICKNESS OF 4 FEET. THE SUBSTITUTED RIPRAP WILL BE PAID FOR AS TYPE IV RIPRAP.
5. PLACE ROCK FILTER BERMS (RFB) CONCURRENT WITH GRUBBING AND INCORPORATE THE RFB INTO THE EMBANKMENT OR RIPRAP. SEE THE ESCP DOCUMENT IN APPENDIX B OF THE SPECIAL PROVISIONS FOR MATERIAL SPECIFICATIONS.



TYPICAL SECTION - RIPRAP

THE NARROWS
 STA. 145+25 TO STA. 151+25
HACKETT HILL
 STA. 12+70 TO STA. 17+20
 STA. 17+40 TO STA. 20+20
 STA. 20+65 TO STA. 22+50
 STA. 22+85 TO STA. 23+25
 STA. 23+45 TO STA. 23+70
 STA. 27+90 TO STA. 31+30
 STA. 32+25 TO STA. 36+91

KEYWAY NOT INSTALLED

TYPICAL SECTION EMBANKMENT REPAIR AREAS

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: K. KARPSTEIN

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

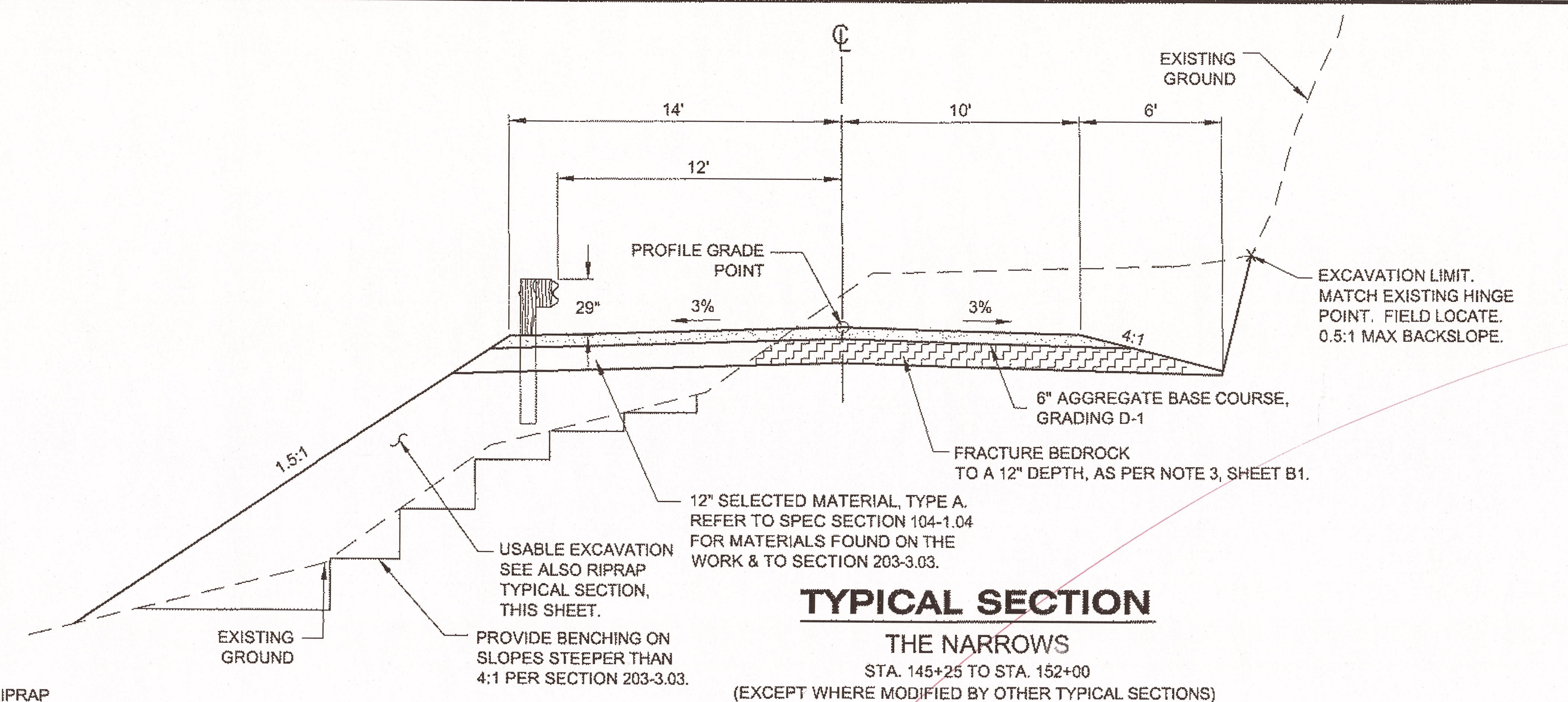
SGY - DYEA ROAD IMPROVEMENTS PROJECT # 67424

TYPICAL SECTIONS

DESIGNED BY: N. GEARY
 DRAWN BY: N. GEARY / R. GRANTHAM

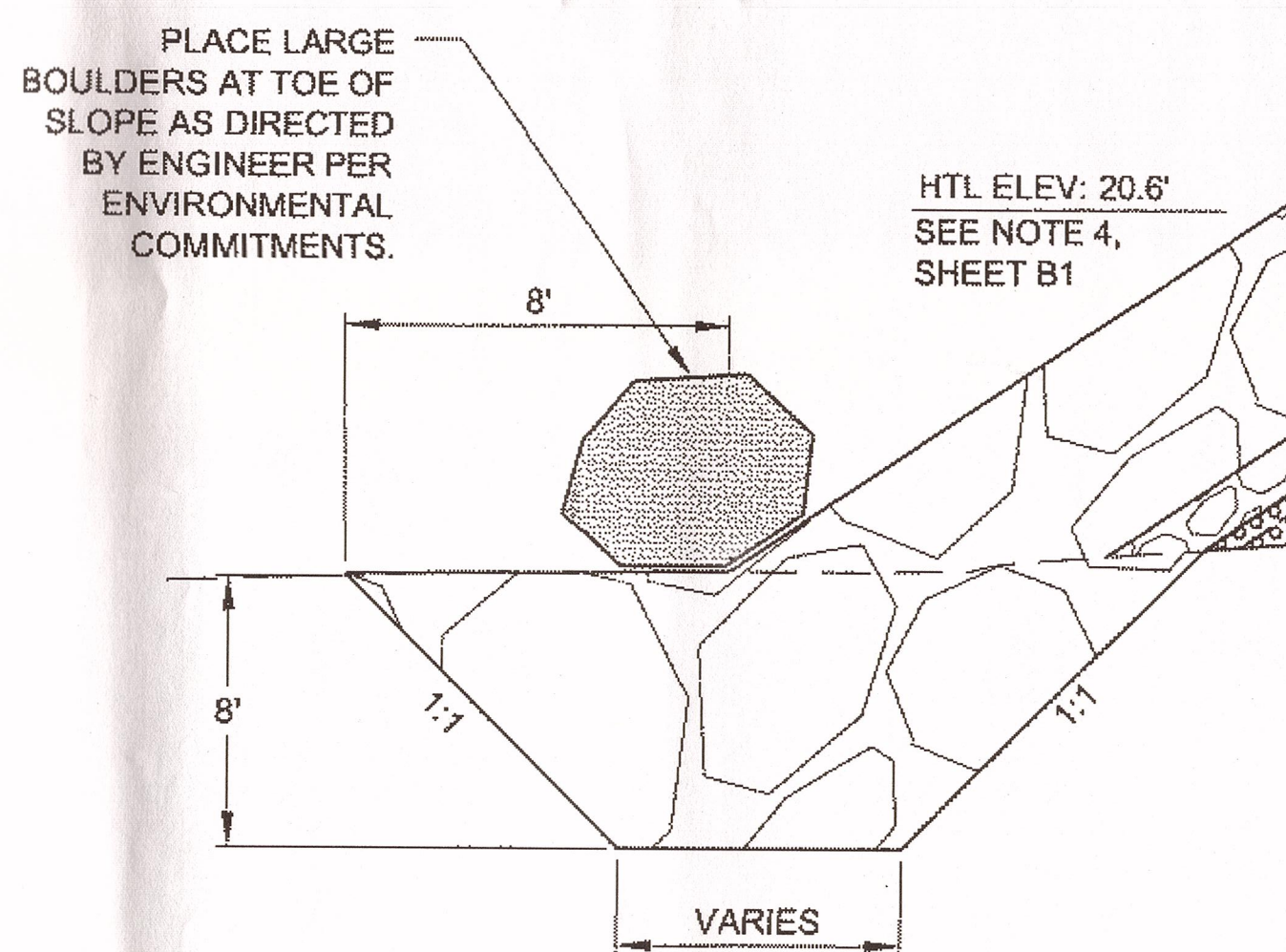
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REVISIONS		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE				
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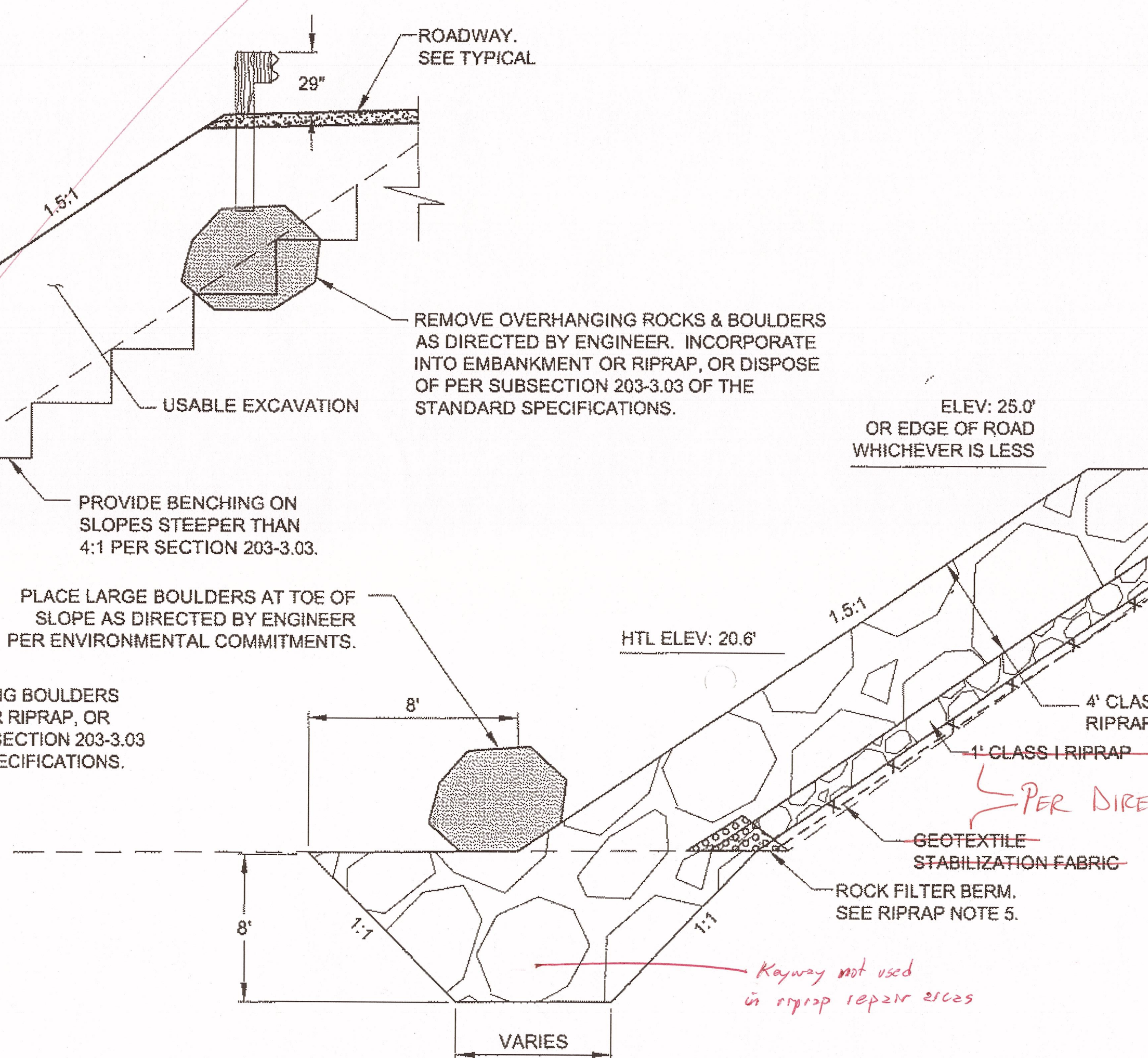
RIPRAP NOTES:

1. EXTEND RIPRAP SLOPE PROTECTION BEYOND KEYED-IN SECTIONS INDICATED BELOW TO SMOOTHLY TAPER THE RIPRAP TO THE EXISTING SLOPE. NO FABRIC OR CLASS I RIPRAP REQUIRED BEYOND KEYED-IN SECTION.
2. SEE SHEET Q1 FOR MODIFICATION TO THE TYPICAL RIPRAP SECTION BETWEEN =STA. 33+00 TO STA. 34+50.
3. MINIMIZE LARGE VOIDS IN THE PLACED RIPRAP BY PLACING SMALLER ROCK BETWEEN LARGER BOULDERS.
4. ABOVE ELEVATION 16.5', CLASS II OR III RIPRAP MAY BE SUBSTITUTED FOR CLASS IV RIPRAP AND THE UNDERLYING CLASS I BLANKET REMOVED FOR A TOTAL RIPRAP THICKNESS OF 4 FEET. THE SUBSTITUTED RIPRAP WILL BE PAID FOR AS TYPE IV RIPRAP.
5. PLACE ROCK FILTER BERMS (RFB) CONCURRENT WITH GRUBBING AND INCORPORATE THE RFB INTO THE EMBANKMENT OR RIPRAP. SEE THE ESCP DOCUMENT IN APPENDIX B OF THE SPECIAL PROVISIONS FOR MATERIAL SPECIFICATIONS.



TYPICAL SECTION - RIPRAP

THE NARROWS
STA. 145+25 TO STA. 151+25
HACKETT HILL
STA. 12+70 TO STA. 17+20
STA. 17+40 TO STA. 20+20
STA. 20+65 TO STA. 22+50
STA. 22+85 TO STA. 23+25
STA. 23+45 TO STA. 23+70
STA. 27+90 TO STA. 31+30
STA. 32+25 TO STA. 36+91



TYPICAL SECTION EMBANKMENT REPAIR AREAS

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: K. KARPSTEIN

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

SGY - DYEA ROAD IMPROVEMENTS PROJECT # 67424

TYPICAL SECTIONS

DESIGNED BY: N. GEARY
DRAWN BY: N. GEARY / R. GRANTHAM

49th
Keth B. Karpstein
CE-12964
REGISTERED PROFESSIONAL ENGINEER

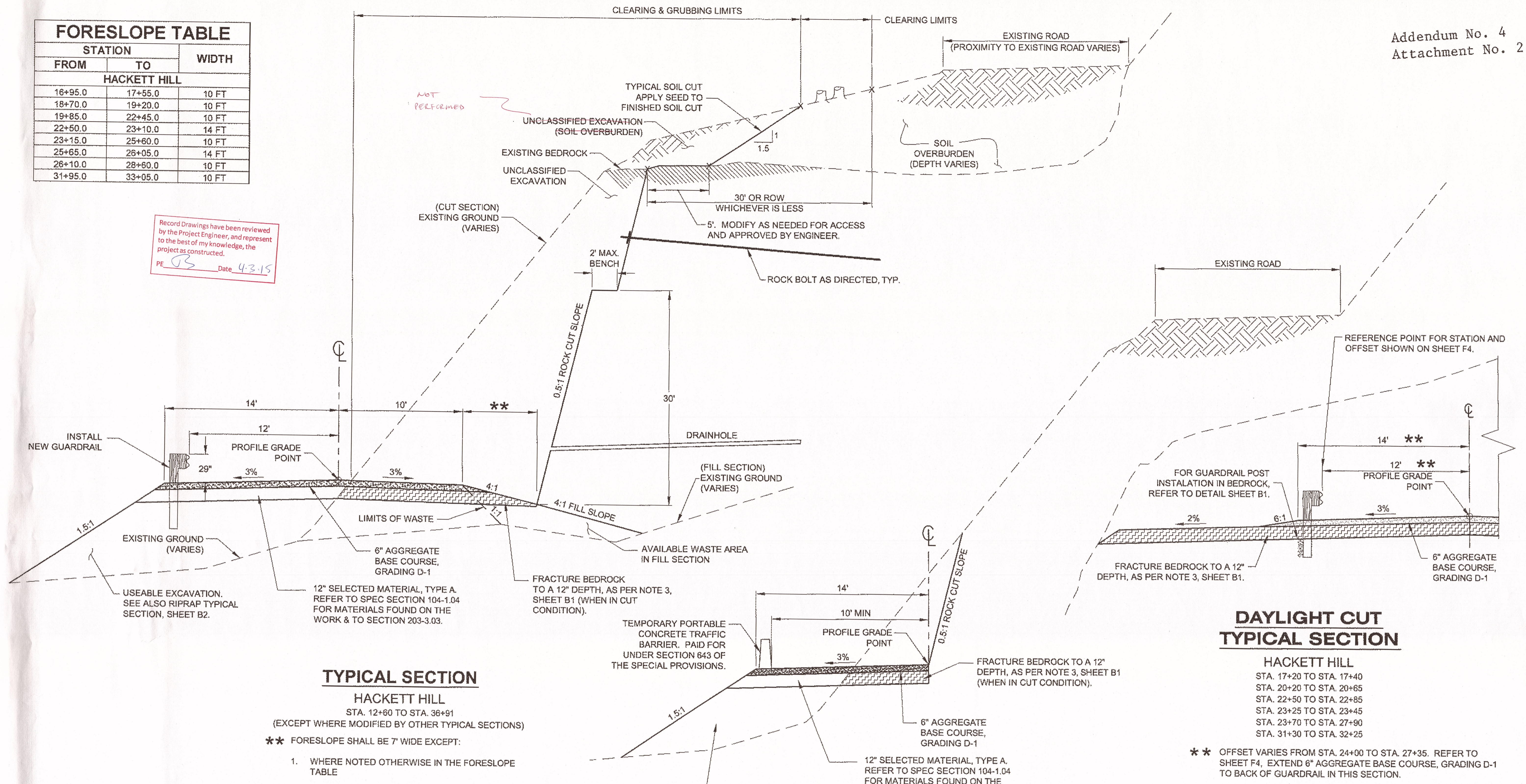
4/8/12

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NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			HHE-0997(8)-67424	2012	B2	27

FORESLOPE TABLE		
STATION		WIDTH
FROM	TO	
HACKETT HILL		
16+95.0	17+55.0	10 FT
18+70.0	19+20.0	10 FT
19+85.0	22+45.0	10 FT
22+50.0	23+10.0	14 FT
23+15.0	25+60.0	10 FT
25+65.0	26+05.0	14 FT
26+10.0	28+60.0	10 FT
31+95.0	33+05.0	10 FT

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE *GS* Date 4.3.15



TYPICAL SECTION

HACKETT HILL
STA. 12+60 TO STA. 36+91
(EXCEPT WHERE MODIFIED BY OTHER TYPICAL SECTIONS)

** FORESLOPE SHALL BE 7' WIDE EXCEPT:

- WHERE NOTED OTHERWISE IN THE FORESLOPE TABLE
- TO ACCOMMODATE DITCH WIDENING AT CULVERT PER DETAILS, SHEET E1.
- REFER TO SECTION 203-3.02, 5. OF THE SPECIAL PROVISIONS FOR OVERBURDEN EXPLORATION.

REFER TO SECTION 203-3.02, 5. OF THE SPECIAL PROVISIONS FOR OVERBURDEN EXPLORATION.

TYPICAL SECTION

HACKETT HILL TEMPORARY ACCESS
STA. 20+00 TO STA. 29+00

USE THIS TYPICAL SECTION WHEN FINAL CUTS ENCR OACH WITHIN EXISTING ROAD WHILE IN USE BY TRAFFIC. LOCATIONS ARE APPROXIMATE AND SHOULD BE VERIFIED BY CONTRACTOR AND APPROVED BY ENGINEER PRIOR TO GRADING ACTIVITIES.

DAYLIGHT CUT
TYPICAL SECTION

HACKETT HILL
STA. 17+20 TO STA. 17+40
STA. 20+20 TO STA. 20+65
STA. 22+50 TO STA. 22+85
STA. 23+25 TO STA. 23+45
STA. 23+70 TO STA. 27+90
STA. 31+30 TO STA. 32+25

** OFFSET VARIES FROM STA. 24+00 TO STA. 27+35. REFER TO SHEET F4. EXTEND 6" AGGREGATE BASE COURSE, GRADING D-1 TO BACK OF GUARDRAIL IN THIS SECTION.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: K. KARPSTEIN		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION	
		SGY - DYEA ROAD IMPROVEMENTS PROJECT # 67424	
DESIGNED BY: N. GEARY			
DRAWN BY: N. GEARY / J.R. GRANTHAM			
PATH: Q:\SGY\67424\PLANS\SET\ADDENDUM 11-6-12\67424_B1-B3_TYPS (ADDENDUM 1).DWG			
TAB: B3 Thursday, November 08, 2012 8:43:31 AM GEARY, NATE (DOT)			
REVISIONS		PROJECT DESIGNATION	YEAR
NO.	DATE	DESCRIPTION	YEAR
		HHE-0997(8)-67424	2012
		SHEET NO.	TOTAL SHEETS
		B3	27

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE JS Date 4-3-15

ESTIMATE OF QUANTITIES BREAKDOWN- EARTHWORK			
ITEM NO	ITEM	PAY UNIT	QUANTITY (C.Y.)
203 (3)	UNCLASSIFIED EXCAVATION		
	DROPOFF AREA TOTAL EXCAVATION	CUBIC YARD	4,757
	ROCK	CUBIC YARD	4,757
	NARROWS AREA TOTAL EXCAVATION	CUBIC YARD	1,287
	ROCK	CUBIC YARD	1,287
	HACKET HILL TOTAL EXCAVATION	CUBIC YARD	60,726
	ROCK	CUBIC YARD	48,581
	SOIL (ASSUMED 10% OF TOTAL HACKETT HILL EXCAVATION)	CUBIC YARD	6,073
	WASTE (ASSUMED 10% OF TOTAL HACKETT HILL EXCAVATION)	CUBIC YARD	6,073
	TOTAL EXCAVATION	CUBIC YARD	66,770
	TOTAL ROCK EXCAVATION	CUBIC YARD	54,625
	EXCAVATED ROCK WITH 15% SWELL FACTOR	CUBIC YARD	62,819
	USABLE EXCAVATION (ROCK WITH SWELL FACTOR AND SOIL)	CUBIC YARD	68,891
	EMBANKMENT (EXCLUDING D-1)		
	DROPOFF AREA	CUBIC YARD	0
	NARROWS AREA	CUBIC YARD	22,256
	HACKET HILL	CUBIC YARD	29,308
	TOTAL EMBANKMENT	CUBIC YARD	51,564
	RIPRAP CLASS IV		
	DROPOFF AREA	CUBIC YARD	0
	NARROWS AREA	CUBIC YARD	3,030
	HACKET HILL	CUBIC YARD	9,457
	REPAIR AREAS	CUBIC YARD	4,720
	RIPRAP CLASS I		
	NARROWS AREA	CUBIC YARD	10
	TOTAL RIPRAP	CUBIC YARD	17,217

NOTE: GENERATE ALL RIPRAP FROM EXCAVATED MATERIAL.

ESTIMATE OF QUANTITIES			
ITEM NO	ITEM DESCRIPTION	PAY UNIT	QUANTITY
201 (3B)	CLEARING AND GRUBBING	LUMP SUM	ALL REQUIRED
202 (4)	REMOVAL OF CULVERT PIPE	LINEAR FOOT	58 60
202 (13)	CONCRETE BLOCK WALL REMOVAL	EACH	46
203 (3)	UNCLASSIFIED EXCAVATION	CUBIC YARD	66,770 74,332.0
203 (6A)	BORROW, TYPE A	TON	2,000 0.0
203 (10)	CONTROLLED BLASTING	SQUARE YARD	9,900 8,912.0
203 (12)	DRAIN HOLES	LINEAR FOOT	2,910 1,330
203 (13)	STABILIZATION - ROCK BOLT	EACH	50 57
203 (19)	CONTROL OF INVASIVE PLANTS	CONTINGENT SUM	ALL REQUIRED
203 (20)	OVERBURDEN EXPLORATION	LINEAR FOOT	200 296
204 (2)	UTILITY TRENCH	LINEAR FOOT	560 554
301 (1)	AGGREGATE BASE COURSE, GRADING D-1	TON	3,610 0.0
603 (9)	24 INCH CORRUGATED ALUMINUM PIPE	LINEAR FOOT	295 299.3
606 (1)	W-BEAM GUARDRAIL	LINEAR FOOT	3,434 3,453
606 (13)	PARALLEL GUARDRAIL TERMINAL	EACH	6
611 (1a)	RIPRAP, CLASS IV	CUBIC YARD	17,217 24,492
611 (1b)	RIPRAP, CLASS I	CUBIC YARD	4,000 1,310
616 (7)	INTERPRETIVE SIGN SUPPORT BASE	EACH	1
616 (4)	THAW WIRE INSTALLATION	EACH	5 6
624 (1)	CALCIUM CHLORIDE	TON	3
630 (2)	GEOTEXTILE, STABILIZATION	SQUARE YARD	9,750 6,703.42
640 (1)	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED
640 (4)	WORKER MEALS AND LODGING, OR PER DIEM	LUMP SUM	ALL REQUIRED
641 (1)	EROSION, SEDIMENT AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQUIRED
641 (3)	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL	LUMP SUM	ALL REQUIRED
641 (4)	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL ADDITIVES	CONTINGENT SUM	ALL REQUIRED
641 (6)	WITHOLDING	CONTINGENT SUM	ALL REQUIRED
642 (1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQUIRED
642 (3)	THREE PERSON SURVEY PARTY	HOURLY	160 0
643 (2)	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED
643 (3)	PERMANENT CONSTRUCTION SIGNS	LUMP SUM	ALL REQUIRED
643 (15)	FLAGGING	CONTINGENT SUM	ALL REQUIRED
643 (23)	TRAFFIC PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED
643 (25)	TRAFFIC CONTROL	CONTINGENT SUM	ALL REQUIRED
644 (1)	FIELD OFFICE	LUMP SUM	ALL REQUIRED
644 (6)	VEHICLES	LUMP SUM	ALL REQUIRED
646 (1)	CPM SCHEDULING	LUMP SUM	ALL REQUIRED
647 (1)	ECCM	LUMP SUM	ALL REQUIRED
660 (7)	TEMPORARY SIGNAL SYSTEM COMPLETE	LUMP SUM	ALL REQUIRED

ITEMS ESTABLISHED BY CHANGE ORDER

ITEM NO	ITEM DESCRIPTION	UNIT	QUANTITY
644 (3)	NUCLEAR STORAGE SHED CO #1	LS	ALL REQUIRED
203 (22)	REMOVAL OF ROCK CORNER CO #2	LS	" "
203 (23)	HACKETT HILL TURNOUT CO #3	LS	" "
203 (21)	HACKETT HILL TEMPORARY ACCESS CO #4	LS	" "
611 (1A)	RIPRAP, CLASS IV CO #6	CY/M	6,384
203 (24)	UNCLASSIFIED EXCAVATION, 4/2/14 COB CO #9	LS	ALL REQUIRED
301 (2)	AGGREGATE BASE COURSE, GRADING D-1 CO #10	CY	2,215
615 (5)	DELIMITER, FLEXIBLE CO #12	EA	30
203 (13A)	ROCK BOLT CORRECTIONS CO #13	LS	ALL REQUIRED
611 (1C)	ADDITIONAL RIPRAP, CLASS IV CO #14	CY/M	2,667
203 (25)	UNCLASSIFIED EXCAVATION - 2015 SETTLEMENT AGREEMENT CO #15	LS	ALL REQUIRED

BASIS OF ESTIMATE		
ITEM NO.	ITEM	ESTIMATING FACTOR
301 (1)	AGGREGATE BASE COURSE, GRADING D-1	1.95 TON/C.Y.
203 (13)	STABILIZATION - ROCK BOLT	ROCK BOLT LENGTH = 30'
203 (20)	OVERBURDEN EXPLORATION	10' HOLES AT 20' O.C.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: K. KARPSTEIN

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

SGY - DYEA ROAD IMPROVEMENTS PROJECT # 67424

ESTIMATE OF QUANTITIES

DESIGNED BY: N. GEARY
DRAWN BY: N. GEARY / R. GRANTHAM

PATH: Q:\SGY\67424\PLANSET\67424_C1_EST.DWG
TAB: C1 Thursday, October 11, 2012 2:11:45 PM GEARY, NATE (DOT)

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	HHE-0997(8)-67424	2012	C1	27

606 (1) W-BEAM GUARDRAIL SUMMARY			
STATION TO STATION	OFFSET	RUN	REMARKS
THE DROP-OFF			
80+47.5	85+42.5	LT	495.0
THE NARROWS			
145+62.5	151+66.5	LT	604.0
HACKETT HILL			
13+07.5	36+42.5	LT	2335.0

202 (4) REMOVAL OF CULVERT PIPE		
AREA	STATION	LENGTH (FT)
THE DROP-OFF	83+17	28
HACKETT HILL	24+10	30

GUARDRAIL NOTES:

1. GUARDRAIL LOCATIONS SHALL BE VERIFIED IN THE FIELD BY THE ENGINEER PRIOR TO INSTALLATION.

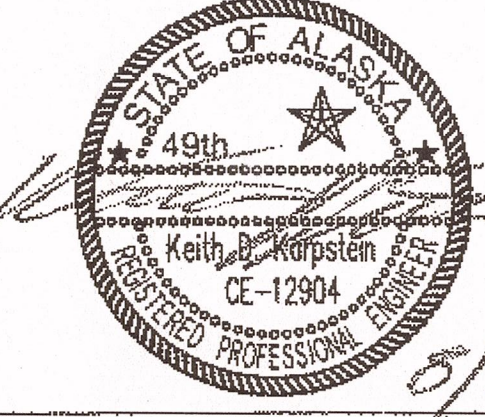
603 CULVERT INSTALLATION SUMMARY												
PIPE	INLET			OUTLET			LENGTH (FT)	SIZE	SLOPE	REMARKS		
	STATION	OFFSET	INVERT	STATION	OFFSET	INVERT						
THE DROP-OFF												
P-1	80+31.7	17.0	RIGHT	106.16	80+31.5	27.8	LEFT	104.82	44.9	24" CAP	3.0%	INCLUDE THAW WIRE INSTALLATION PER STD. DETAIL D-14.10. PROVIDE RIPRAP OUTLET PROTECTION PER SHEET E-1. EXTEND RIPRAP 10' BEYOND PIPE OUTLET.
THE NARROWS												
P-2	149+05.0	16.0	RIGHT	62.64	149+05.0	22.6	LEFT	61.48	38.7	24" CAP	3.0%	INCLUDE THAW WIRE INSTALLATION PER STD. DETAIL D-14.10. PROVIDE RIPRAP OUTLET PROTECTION PER SHEET E-1.
HACKETT HILL												
P-3	14+80.0	27.0	RIGHT	22.22	14+80.0	30.2	LEFT	20.49	57.0	24" CAP	3.0%	OVERFLOW PIPE. INVERTS ARE ABOVE WATER LINE.
P-4	17+85.0	24.0	RIGHT	22.72	17+85.0	29.3	LEFT	21.12	53.2	24" CAP	3.0%	INCLUDE THAW WIRE INSTALLATION PER STD. DETAIL D-14.10
P-5	30+38.0	17.0	RIGHT	26.09	30+38.0	22.8	LEFT	25.00	39.8	24" CAP	2.7%	INCLUDE THAW WIRE INSTALLATION PER STD. DETAIL D-14.10
P-6	36+00.0	29.7	RIGHT	21.35	36+00.0	31.6	LEFT	19.51	61.3	24" CAP	3.0%	INCLUDE THAW WIRE INSTALLATION PER STD. DETAIL D-14.10

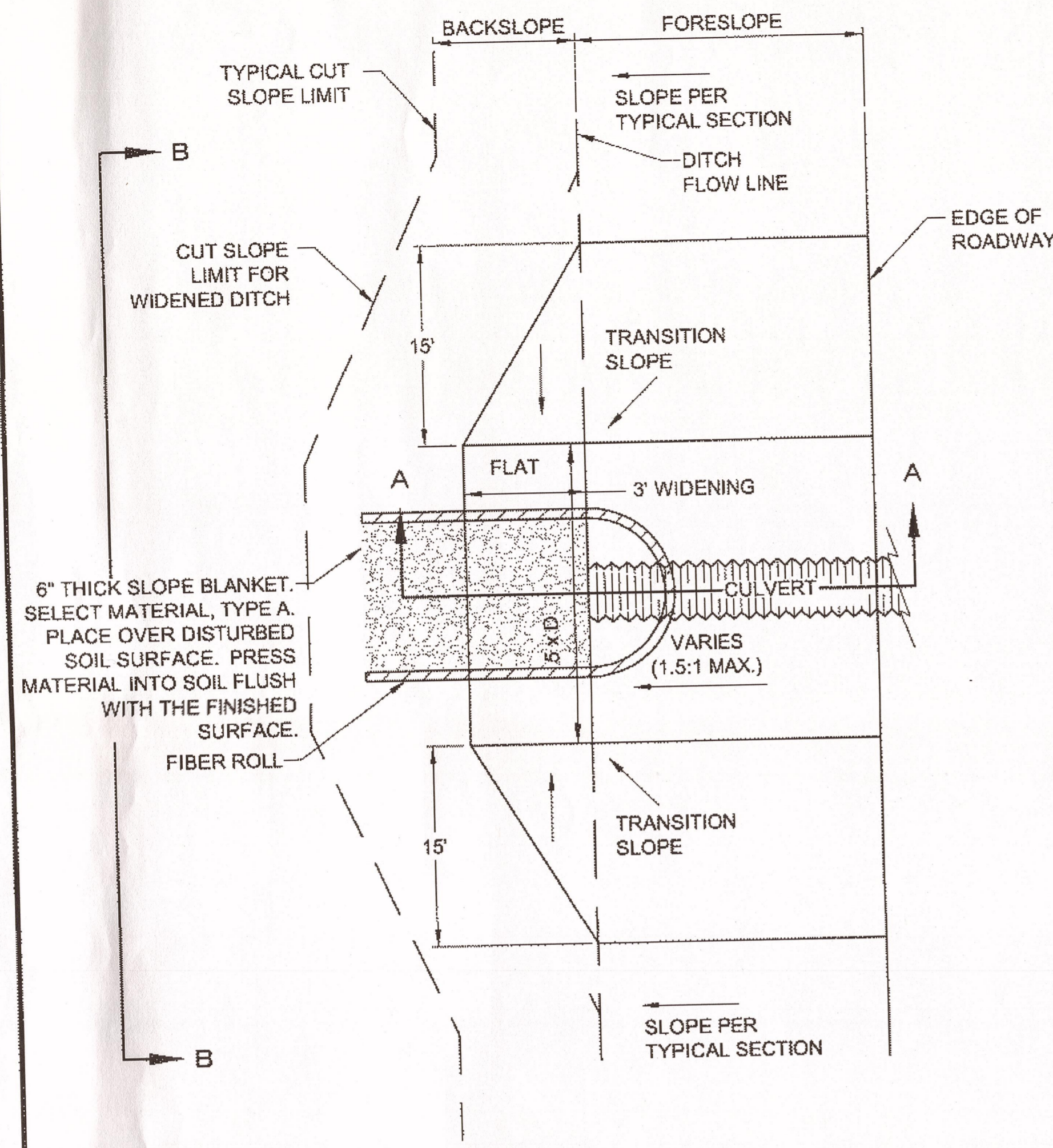
Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *JS* Date 4-3-15

606(13) PARALLEL GUARDRAIL TERMINAL		
STATION	OFFSET	REMARKS
THE DROP-OFF		
80+10.0	LT	PROVIDE 18" OFFSET AT END OF TERMINAL
85+80.0	LT	PROVIDE 18" OFFSET AT END OF TERMINAL
THE NARROWS		
145+25.0	LT	PROVIDE 18" OFFSET AT END OF TERMINAL
152+04.0	LT	PROVIDE 18" OFFSET AT END OF TERMINAL
HACKETT HILL		
12+70.0	LT	PROVIDE 18" OFFSET AT END OF TERMINAL
36+80.0	LT	PROVIDE 18" OFFSET AT END OF TERMINAL

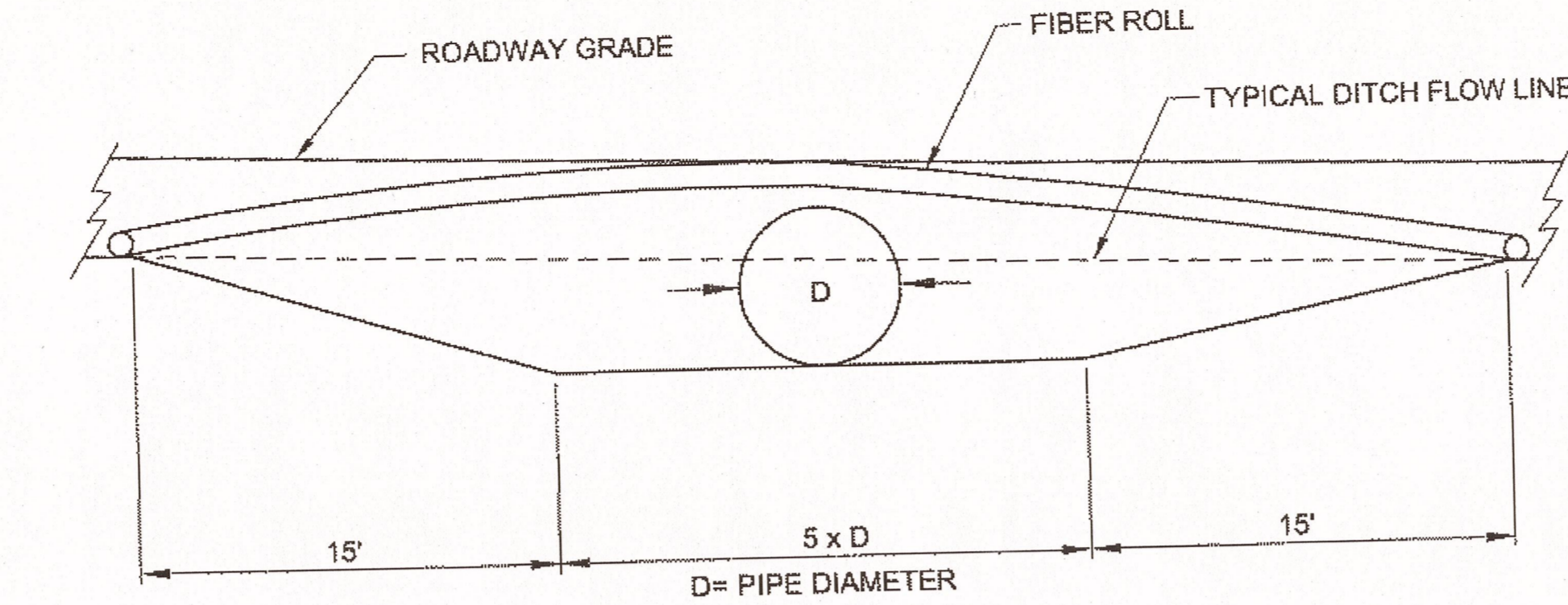
UTILITY COMPANY POINTS OF CONTACT			
ELECTRIC	ALASKA POWER AND TELEPHONE	DARRELL BELISLE	907-938-2202
COMMUNICATION	ALASKA POWER AND TELEPHONE	DARRELL BELISLE	907-938-2202

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

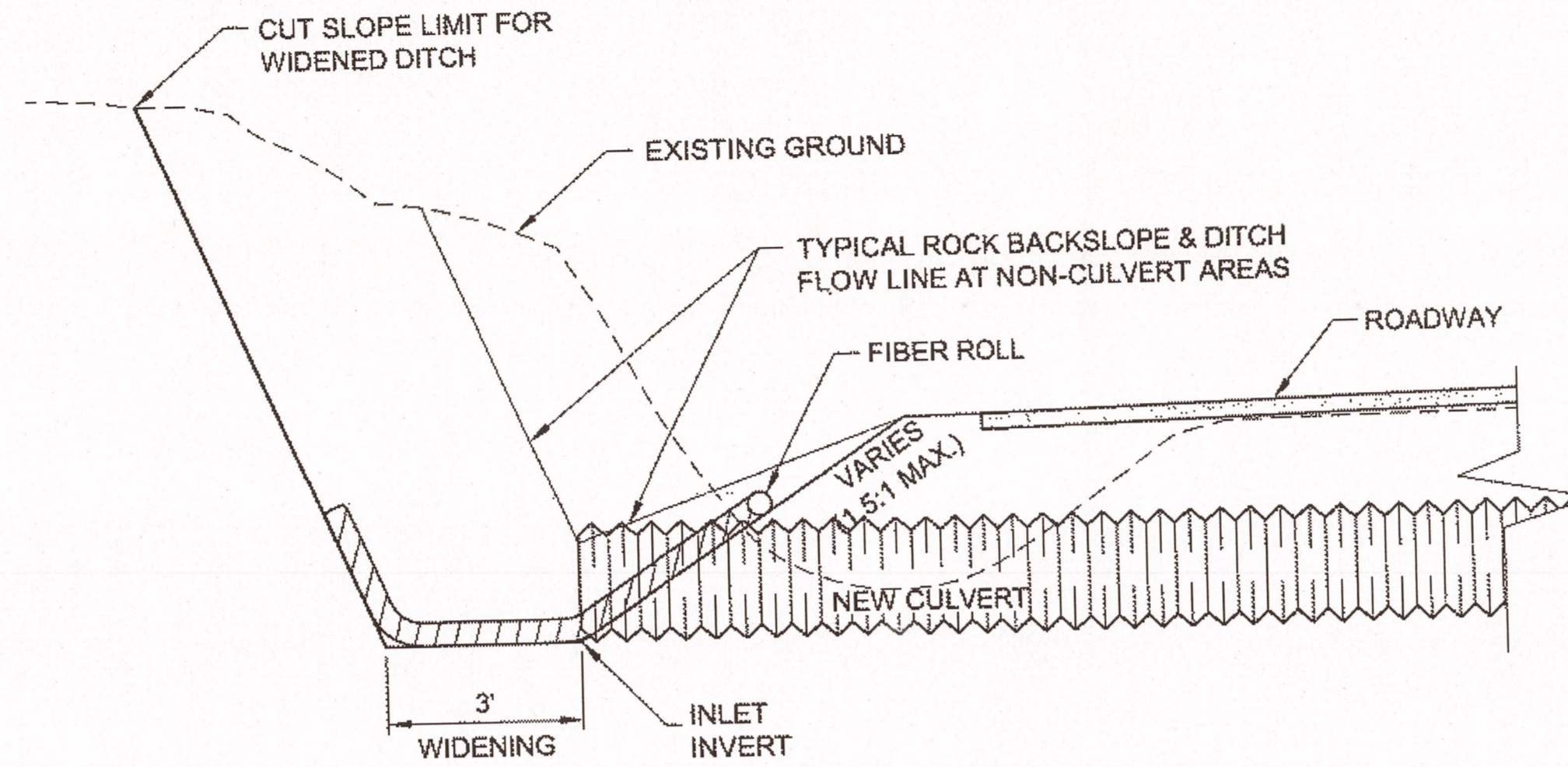
CHECKED BY: K. KARPSTEIN 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION SGY - DYEA ROAD IMPROVEMENTS PROJECT # 67424 SUMMARIES	
DESIGNED BY: N. GEARY DRAWN BY: N. GEARY / R. GRANTHAM		PROJECT DESIGNATION: HHE-0997(8)~67424 YEAR: 2012 SHEET NO.: D1 TOTAL SHEETS: 27	
PATH: Q:\SGY\67424\PLANS\67424_D1_SUM.DWG TAB: D1 Wednesday, August 15, 2012 2:54:23 PM GRANTHAM, RICK L. (DOT)			
NO.	DATE	REVISIONS DESCRIPTION	



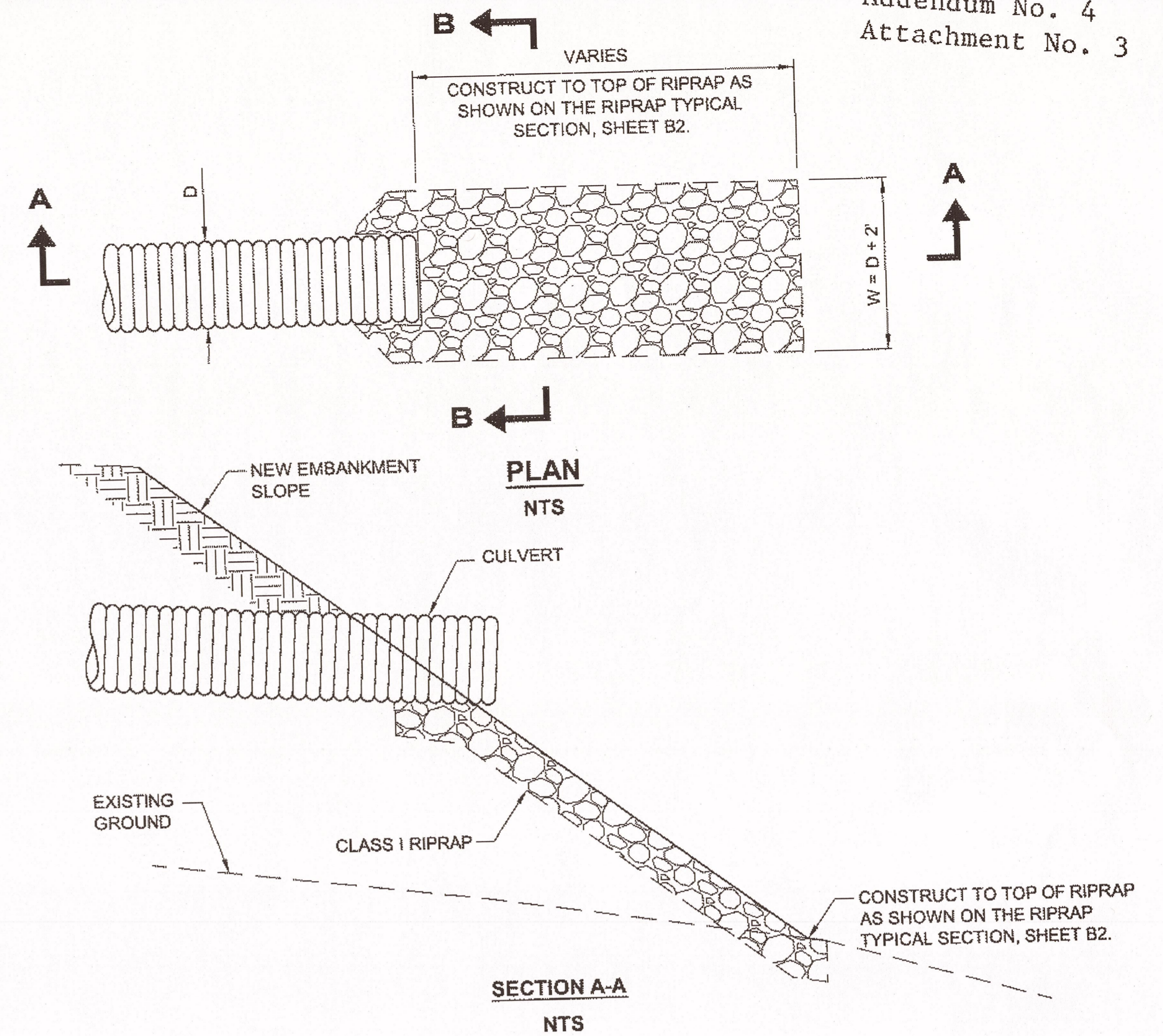
PLAN VIEW - CUT CONDITION
DITCH WIDENING FOR CULVERT INLET
NTS



ELEVATION VIEW B-B
NTS



SECTION VIEW A-A
NTS



PIPE P-1 & P-2 RIPRAP LINED OUTLET PROTECTION DETAIL
NTS

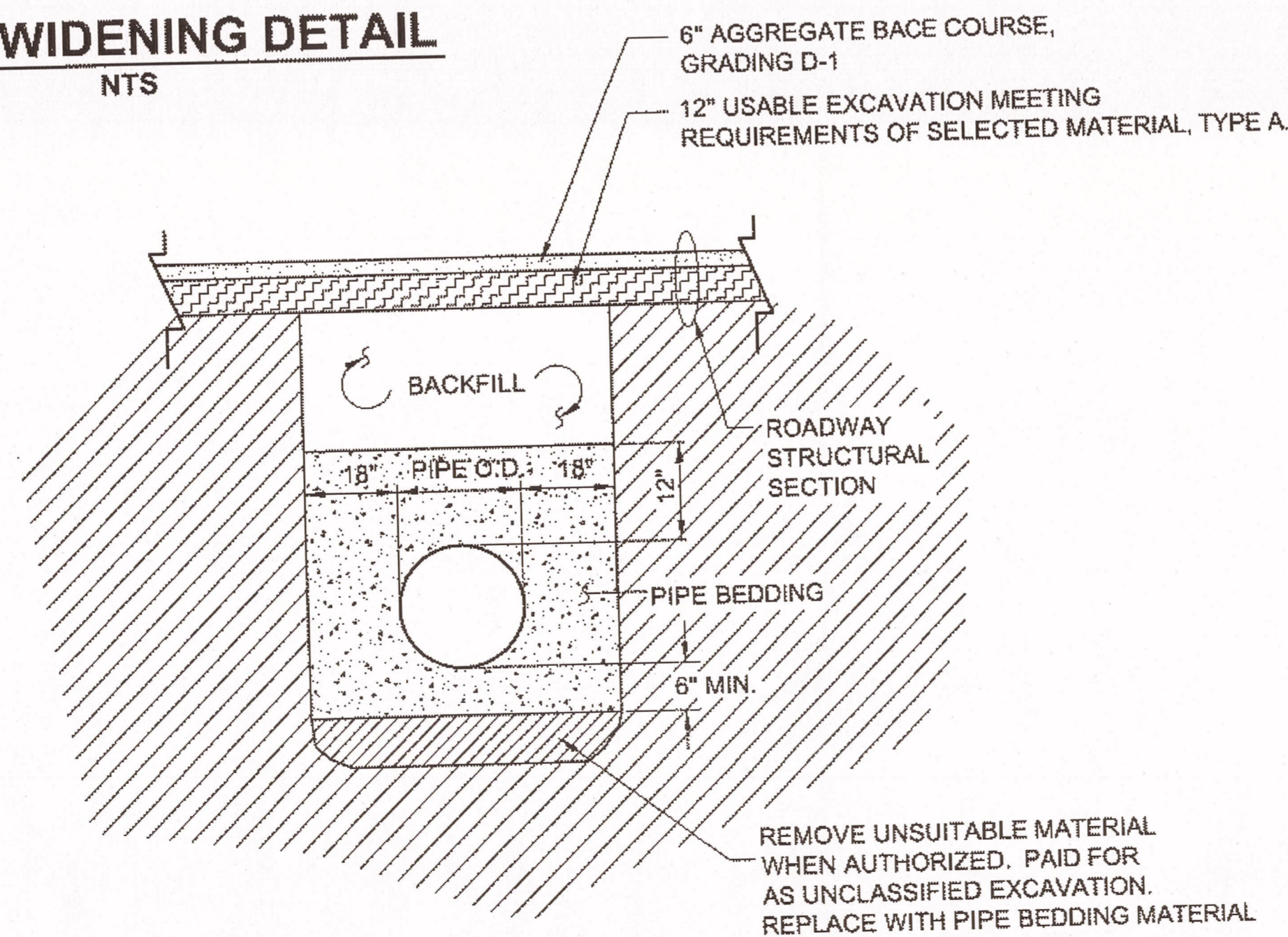
NOTE: ELIMINATE RIPRAP OUTLET PROTECTION WHERE NEW EMBANKMENT SLOPE IS COMPOSED OF SHOT ROCK.

DITCH WIDENING NOTES:

- STANDARD DITCH GRADE TRANSITIONS FROM TYPICAL DITCH SECTION TO 3 FT. FLAT BOTTOM DITCH.
- AT THE DIRECTION OF THE ENGINEER, TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES MAY BE REQUIRED AT LOCATIONS OTHER THAN THOSE SPECIFIED.

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE JB Date 4-3-15

DITCH WIDENING DETAIL
NTS



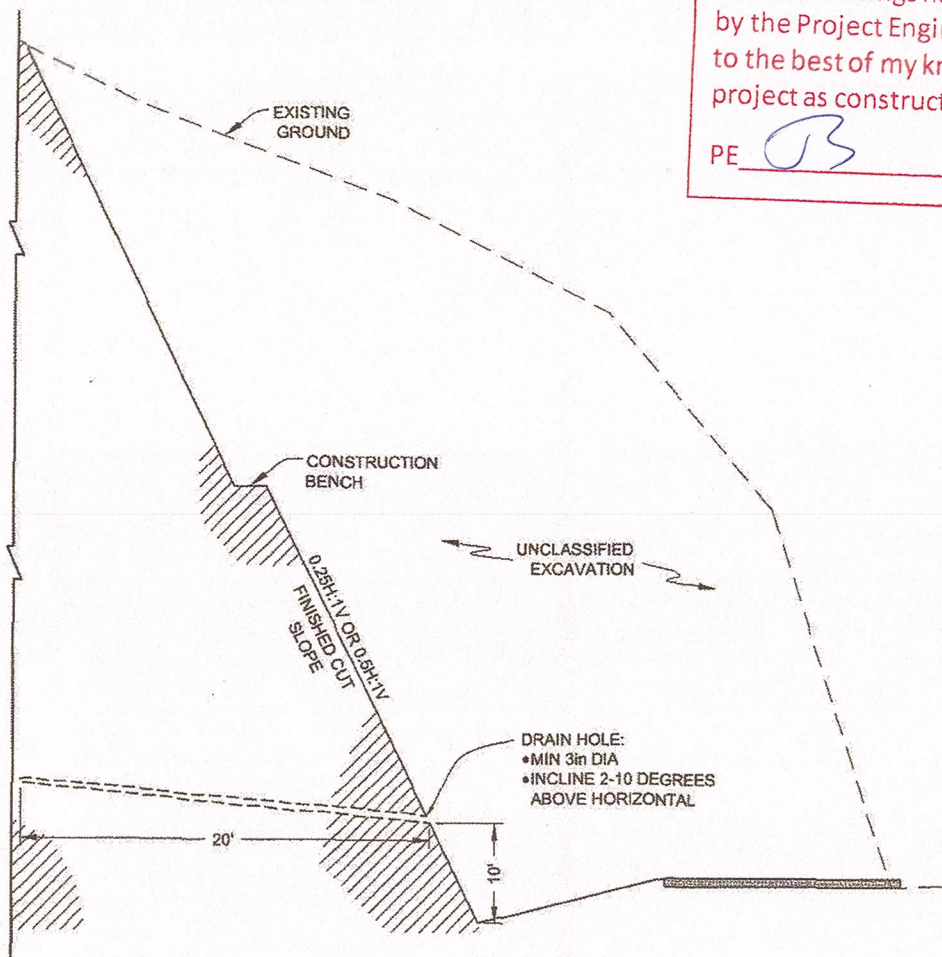
CULVERT BEDDING/BACKFILL DETAIL
NTS

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

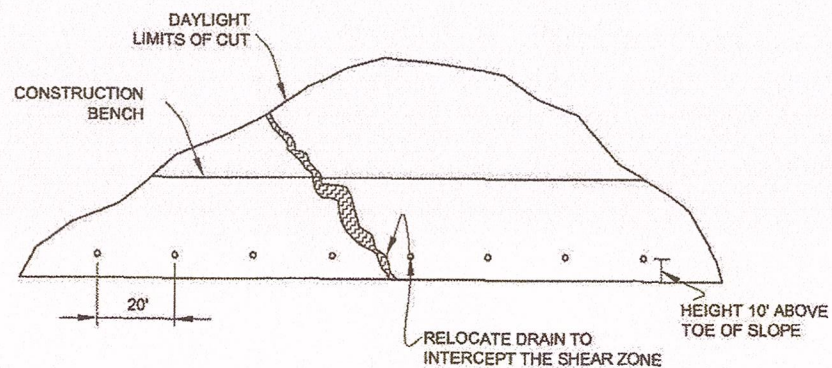
CHECKED BY: K. KARPSTEIN		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION	
		SGY - DYEA ROAD IMPROVEMENTS PROJECT # 67424	
DESIGNED BY: N. GEARY		CULVERT DETAILS	
DRAWN BY: N. GEARY / R. GRANTHAM		PATH: Q:\SGY\67424\PLANSET\ADDENDUM 11-6-12\67424_E1_DETAILS (ADDENDUM 1).DWG	
TAB: E1		Wednesday, November 07, 2012 8:43:51 AM GEARY, NATE (DOT)	
REVISIONS		PROJECT DESIGNATION	YEAR
NO.	DATE	DESCRIPTION	SHEET NO.
			27
		HHE-0997(8)-67424	2012

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

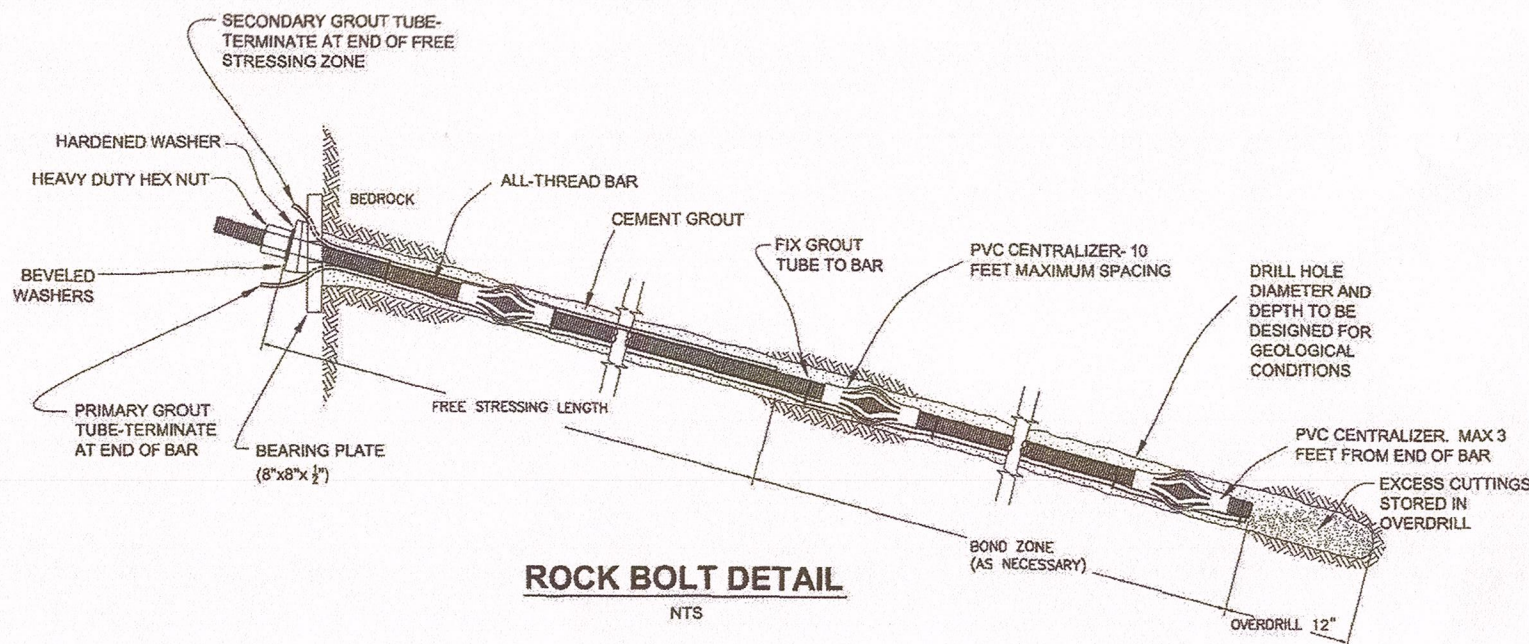
PE JB Date 4.3.15



DRAIN HOLE DETAIL
NTS



DRAIN HOLE LAYOUT
NTS



ROCK BOLT DETAIL
NTS

NOTES:

ALL ROCK BOLT LOCATIONS, LENGTHS AND ORIENTATIONS WILL BE PROVIDED BY THE ENGINEER OR APPROVED REPRESENTATIVE.

PERFORMANCE TESTS ARE REQUIRED FOR THE FIRST TWO ROCK BOLTS INSTALLED. CONDUCT ALL TESTS IN ACCORDANCE WITH SECTION 8.3.2 IN THE PTI MANUAL "RECOMMENDATIONS FOR PRESTRESSED ROCK AND SOIL ANCHORS"

PROOF TEST ALL ROCK BOLTS NOT SUBJECTED TO PERFORMANCE TESTS. CONDUCT ALL TESTS IN ACCORDANCE WITH SECTION 8.3.2 IN THE PTI MANUAL "RECOMMENDATIONS FOR PRESTRESSED ROCK AND SOIL ANCHORS"

ACCEPTANCE CRITERIA FOR ALL TESTING WILL BE PROVIDED AT THE TIME OF INSTALLATION

MATERIAL SPECIFICATIONS:

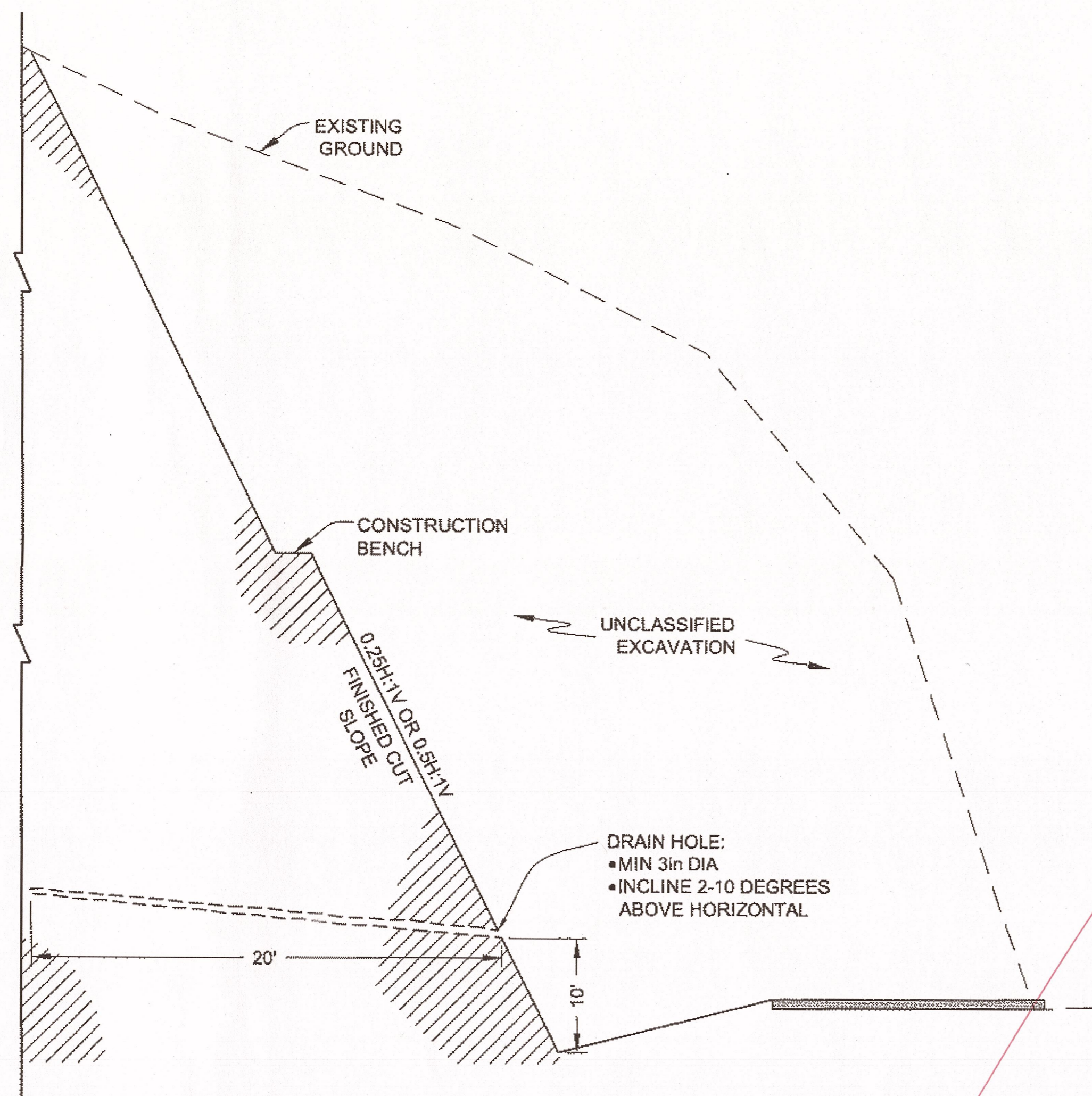
STEEL	GRADE 75
Min ULTIMATE STRENGTH	79 KIPS
BAR TYPE	GALVANIZED, ALL-THREAD
Max DIAMETER	#8 BAR WITH A 1 1/8" MAJOR THREAD DIAMETER
LENGTH	30 FEET, CUT SHORTER LENGTHS AS REQUIRED ON SITE
Min HOLE DIAMETER	3 7/8" WITHOUT COUPLERS / 4 3/8" WITH COUPLERS
BEARING PLATE DIMENSIONS	8"x8"x 1/2"
Max GROUT TUBE DIAMETER	3"

LOAD REQUIREMENTS:

ALIGNMENT LOAD (AL)	5 KIPS
DESIGN LOAD (DL)	35 -47 KIPS
LOCK OFF LOAD	35 -47 KIPS
TEST LOAD (TL)	47 -68 KIPS

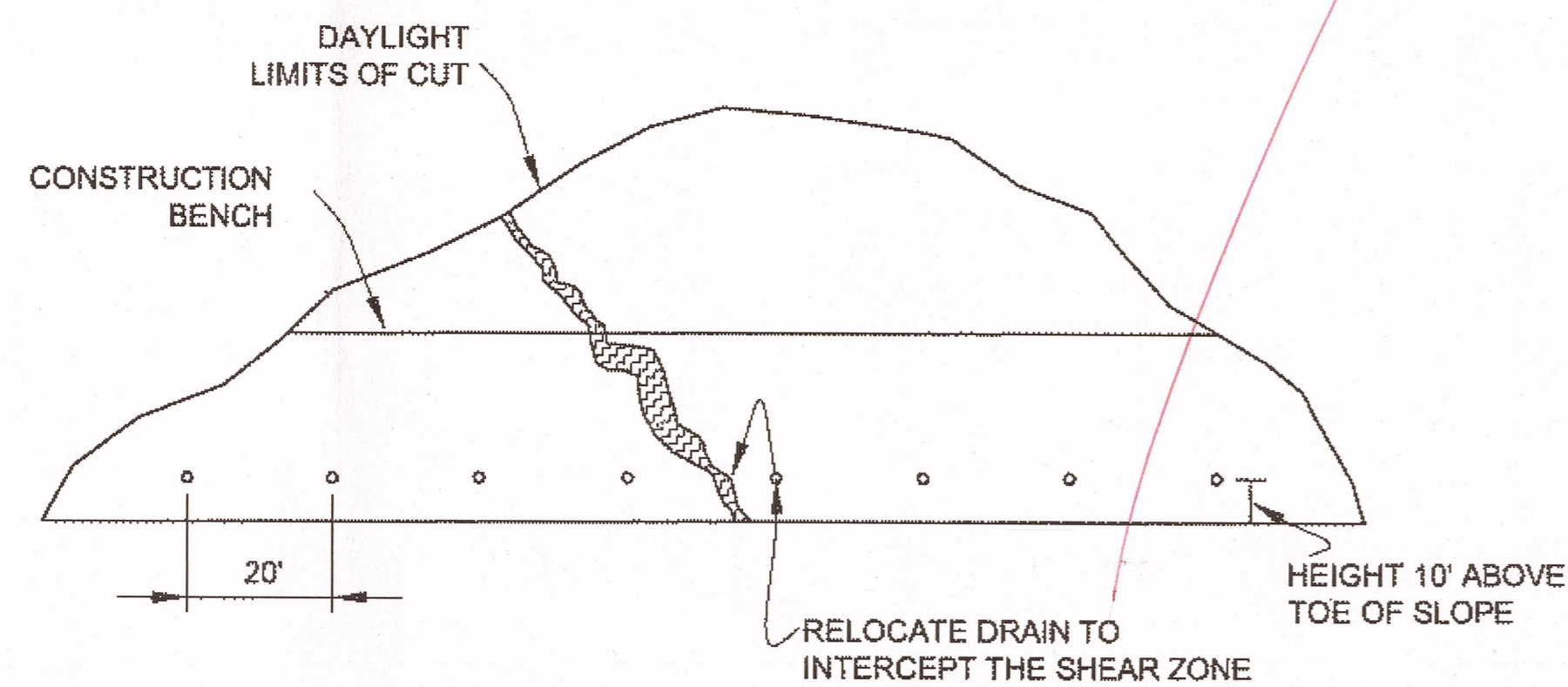
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: K. KARPSTEIN 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION	
DESIGNED BY: N. GEARY DRAWN BY: N. GEARY / R. GRANTHAM		SGY - DYEA ROAD IMPROVEMENTS PROJECT # 67424	
PATH: Q:\SGY167424\PLANSET\67424_E1-E4_DETAILS.DWG TAB: E2 Wednesday, August 15, 2012 2:55:37 PM		GRANHAM, RICK L (DOT)	
REVISIONS NO. DATE DESCRIPTION		PROJECT DESIGNATION HHE-0997(8)-67424	YEAR 2012
		SHEET NO. E2	TOTAL SHEETS 27



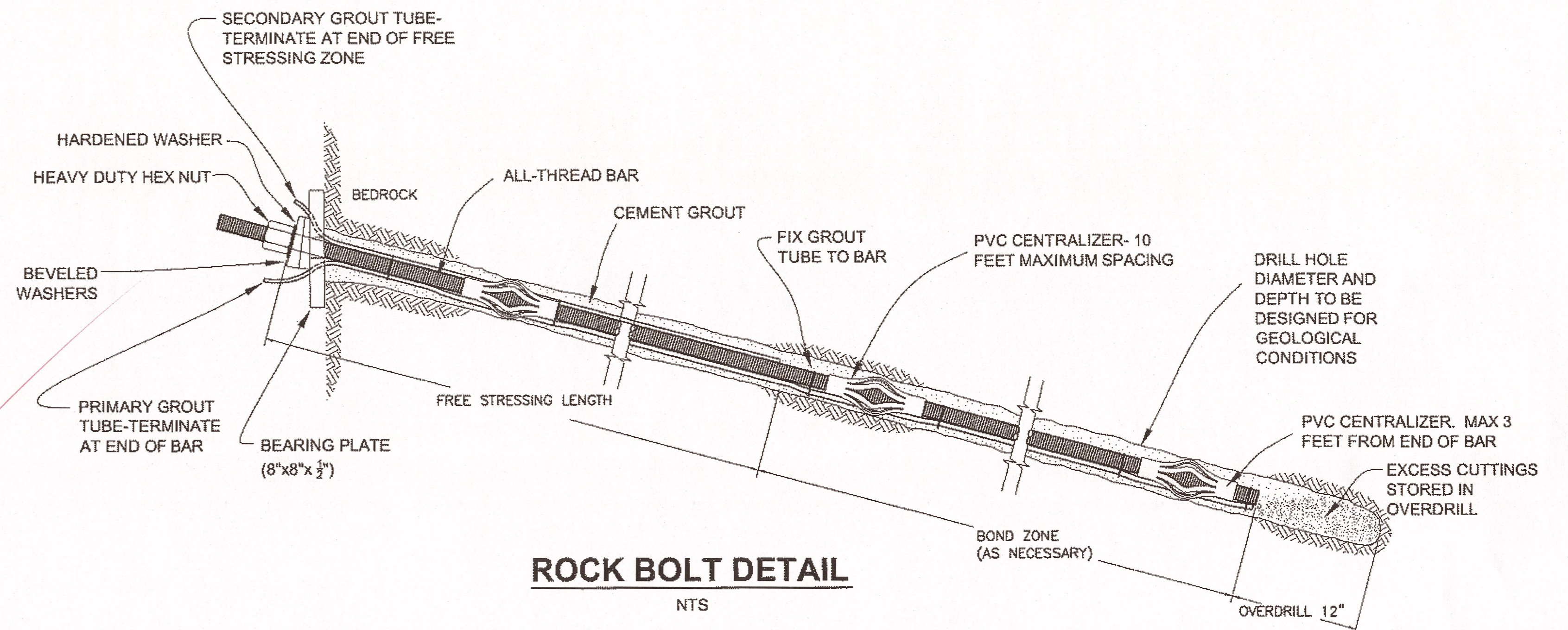
DRAIN HOLE DETAIL

NTS



DRAIN HOLE LAYOUT

NTS



ROCK BOLT DETAIL

NTS

NOTES:

ALL ROCK BOLT LOCATIONS, LENGTHS AND ORIENTATIONS WILL BE PROVIDED BY THE ENGINEER OR APPROVED REPRESENTATIVE
 PERFORMANCE TESTS ARE REQUIRED FOR THE FIRST TWO ROCK BOLTS INSTALLED. CONDUCT ALL TESTS IN ACCORDANCE WITH SECTION 8.3.2 IN THE PTI MANUAL "RECOMMENDATIONS FOR PRESTRESSED ROCK AND SOIL ANCHORS"
 PROOF TEST ALL ROCK BOLTS NOT SUBJECTED TO PERFORMANCE TESTS. CONDUCT ALL TESTS IN ACCORDANCE WITH SECTION 8.3.2 IN THE PTI MANUAL "RECOMMENDATIONS FOR PRESTRESSED ROCK AND SOIL ANCHORS"
 ACCEPTANCE CRITERIA FOR ALL TESTING WILL BE PROVIDED AT THE TIME OF INSTALLATION

MATERIAL SPECIFICATIONS:

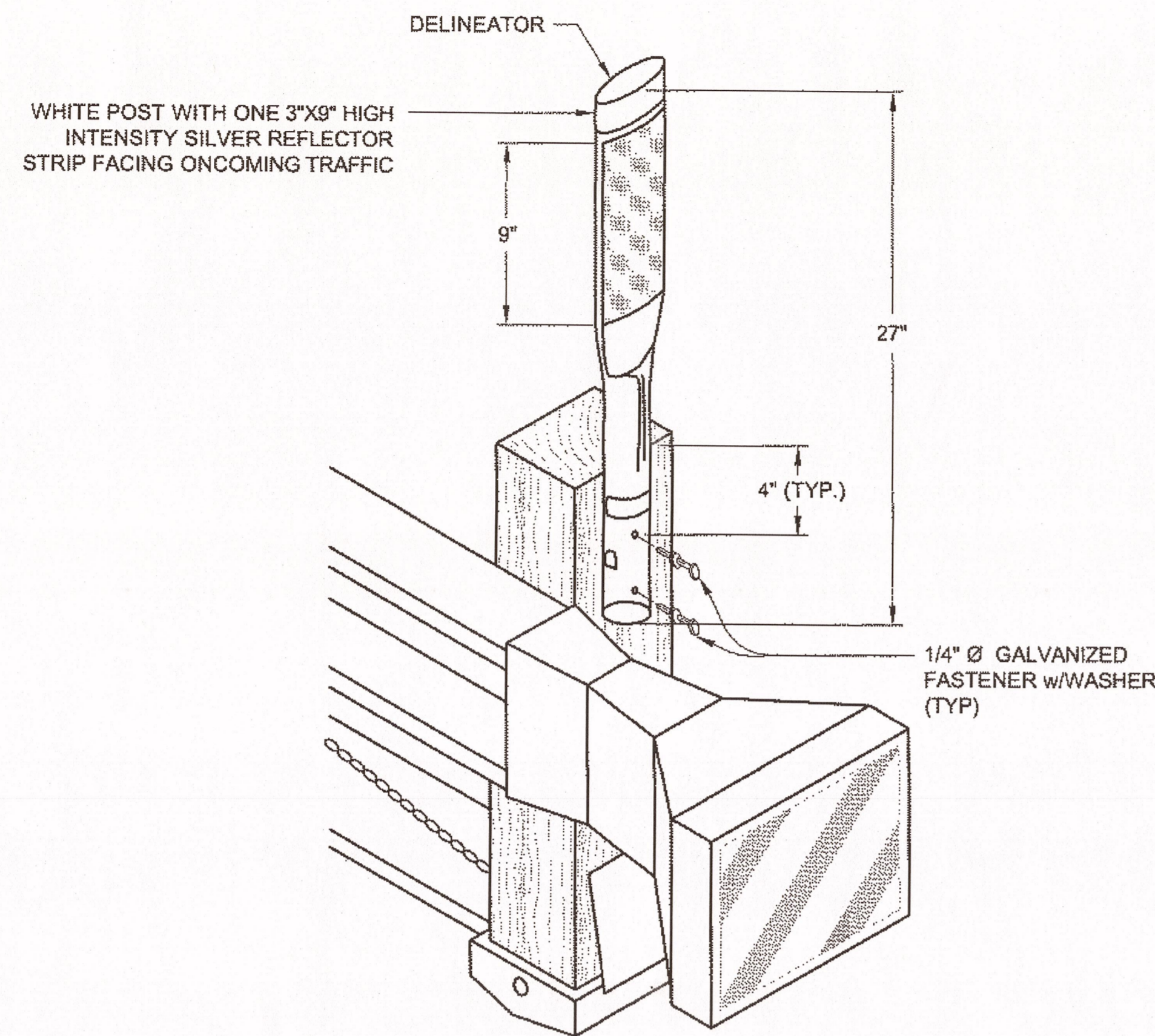
STEEL	GRADE 75
Min ULTIMATE STRENGTH	79 KIPS
BAR TYPE	GALVANIZED, ALL-THREAD
Max DIAMETER	#8 BAR WITH A 1 1/8" MAJOR THREAD DIAMETER
LENGTH	30 FEET, CUT SHORTER LENGTHS AS REQUIRED ON SITE
Min HOLE DIAMETER	3 1/2" WITHOUT COUPLERS / 4 1/8" WITH COUPLERS
BEARING PLATE DIMENSIONS	8"x8"x 1/2"
Max GROUT TUBE DIAMETER	3"

LOAD REQUIREMENTS:

ALIGNMENT LOAD (AL)	5 KIPS
DESIGN LOAD (DL)	47 KIPS
LOCK OFF LOAD	47 KIPS
TEST LOAD (TL)	63 KIPS

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: K. KARPSTEIN 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION SGY - DYEA ROAD IMPROVEMENTS PROJECT # 67424	
DESIGNED BY: N. GEARY DRAWN BY: N. GEARY / R. GRANTHAM		MISCELLANEOUS DETAILS	
PATH: Q:\SGY\67424\PLANS\67424_E1-E4_DETAILS.DWG TAB: E2 Wednesday, August 15, 2012 2:55:37 PM GRANTHAM, RICK L (DOT)		PROJECT DESIGNATION HHE-0997(8)-67424	YEAR 2012
SHEET NO. E2	TOTAL SHEETS 27		

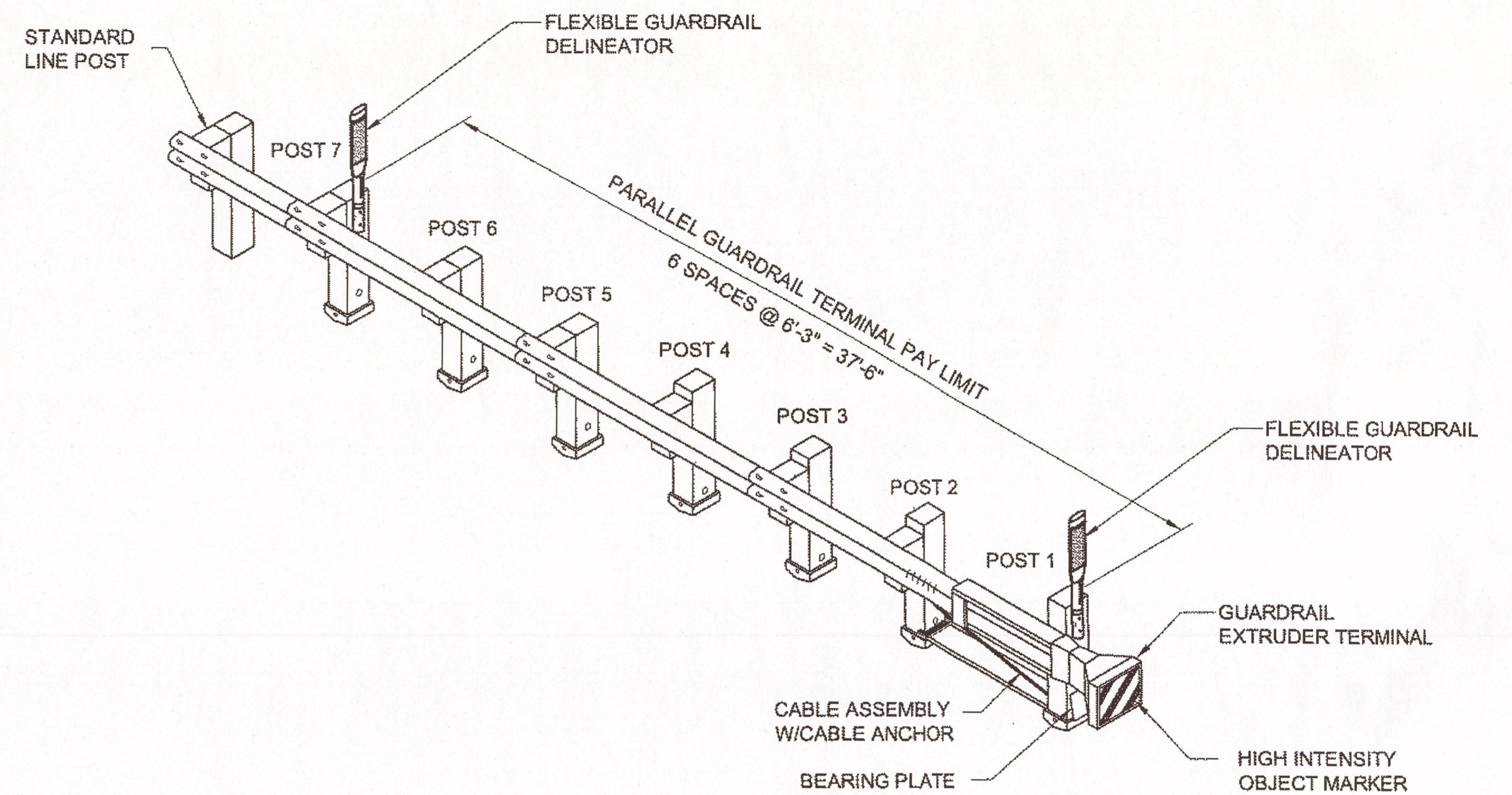


FLEXIBLE GUARDRAIL DELINEATOR

NTS

DELINEATOR NOTES:

1. EACH PARALLEL GUARDRAIL TERMINAL END SHALL HAVE A DELINEATOR ON THE END POST OF EACH TERMINAL AND WHERE THE TAPER BEGINS.
2. DELINEATORS SHALL HAVE WHITE REFLECTIVE SHEETING.
3. STEEL POST GUARDRAIL SHALL BE PRE-DRILLED PRIOR TO SECURING DELINEATOR WITH SELF-TAPPING SCREWS.



PARALLEL GUARDRAIL TERMINAL

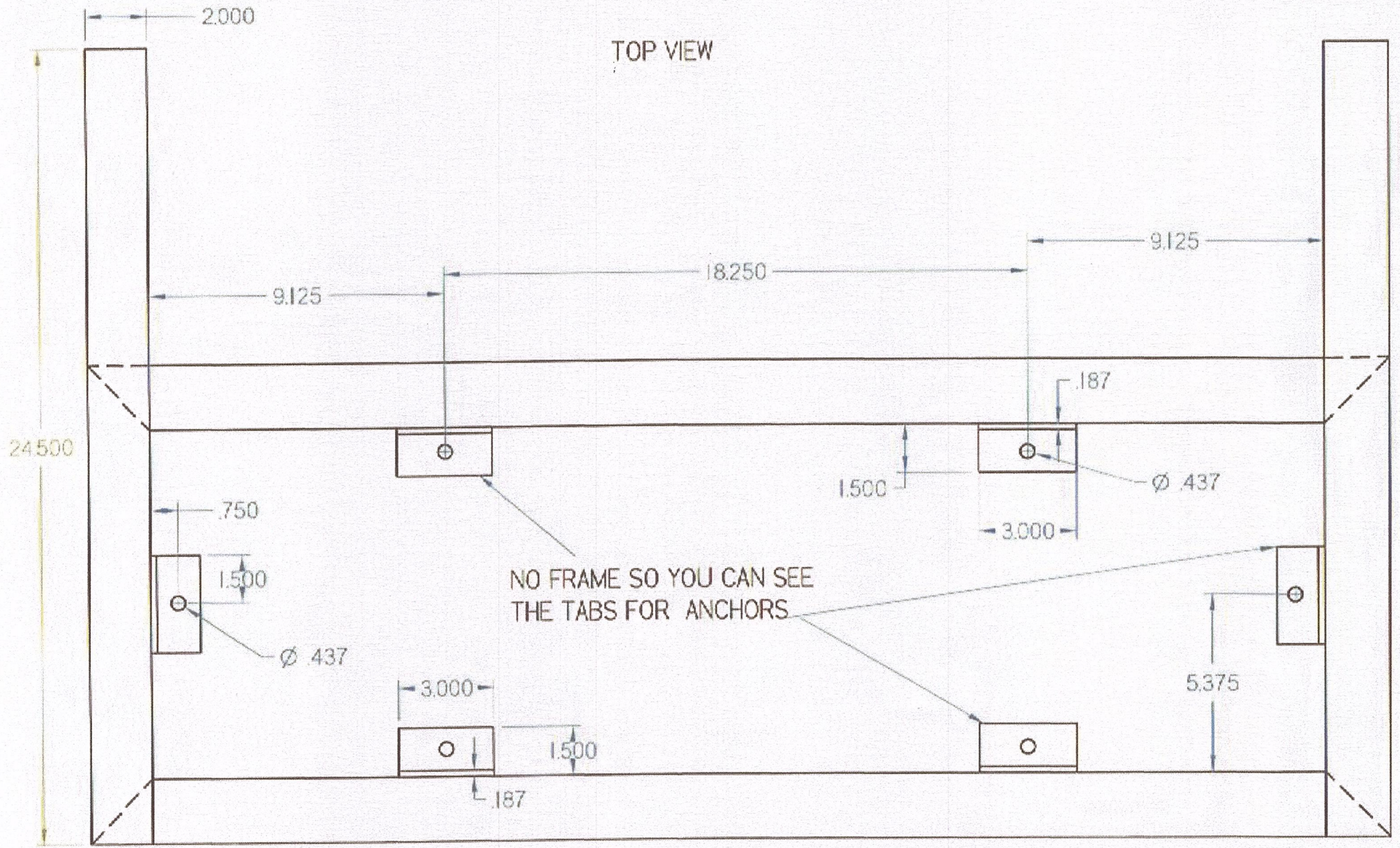
NTS

1. THE TERMINAL DETAILS SHOWN ARE FOR ILLUSTRATION ONLY. INSTALL TERMINAL SECTIONS ACCORDING TO MANUFACTURERS RECOMMENDATIONS.
2. SEE STD DWG. G-20.10 WIDENING FOR GUARDRAIL END TERMINAL. CONSTRUCT TERMINAL WITH END OFFSET OF 1.5' FROM NORMAL GUARDRAIL FACE.

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE GS Date 4-3-15

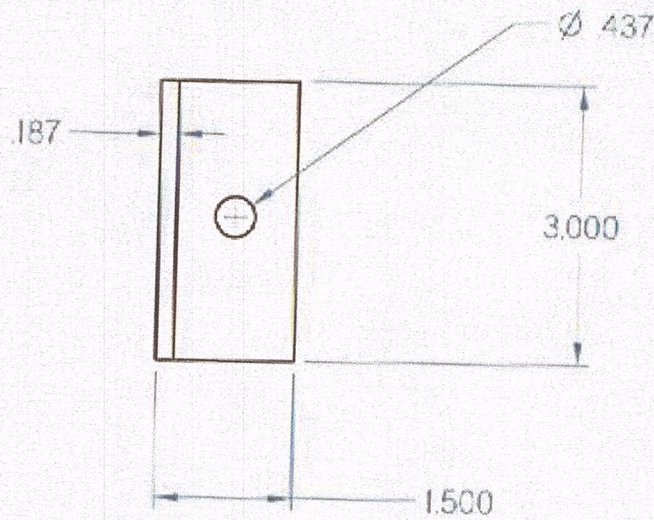
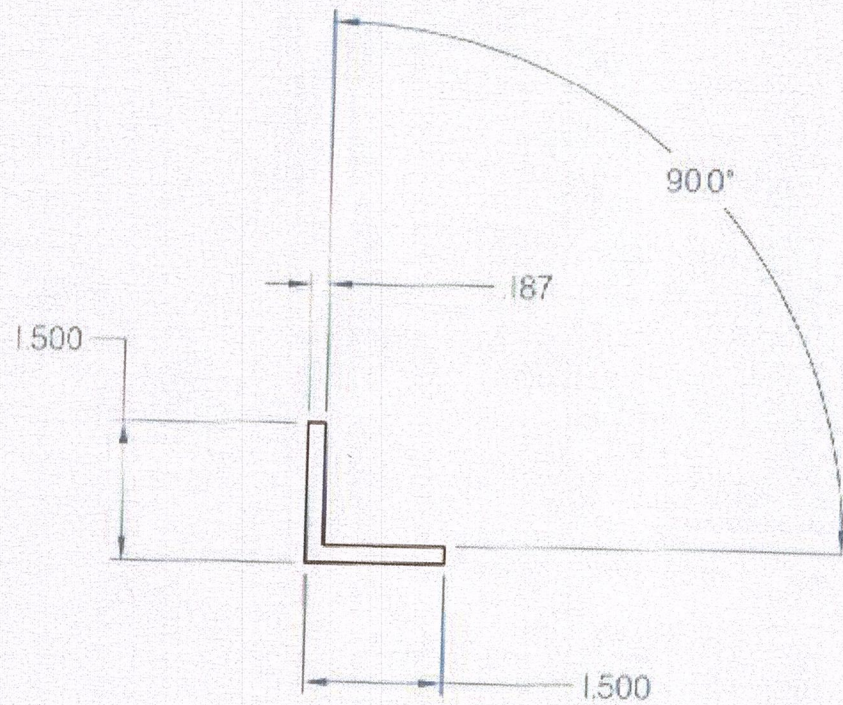
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: K. KARPSTEIN 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION SGY - DYEA ROAD IMPROVEMENTS PROJECT # 67424 PARALLEL GUARDRAIL TERMINAL INSTALLATION DETAILS																						
DESIGNED BY: N. GEARY DRAWN BY: N. GEARY / R. GRANTHAM		PATH: Q:\SGY167424\PLANSET\167424_E1-E4_DETAILS.DWG TAB: E3 Wednesday, August 15, 2012 2:55:41 PM GRANTHAM, RICK L (DOT)																						
<table border="1"> <thead> <tr> <th colspan="3">REVISIONS</th> <th>PROJECT DESIGNATION</th> <th>YEAR</th> <th>SHEET NO.</th> <th>TOTAL SHEETS</th> </tr> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td>HHE-0997(8)~67424</td> <td>2012</td> <td>E3</td> <td>27</td> </tr> </tbody> </table>		REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS	NO.	DATE	DESCRIPTION								HHE-0997(8)~67424	2012	E3	27		
REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS																		
NO.	DATE	DESCRIPTION																						
			HHE-0997(8)~67424	2012	E3	27																		

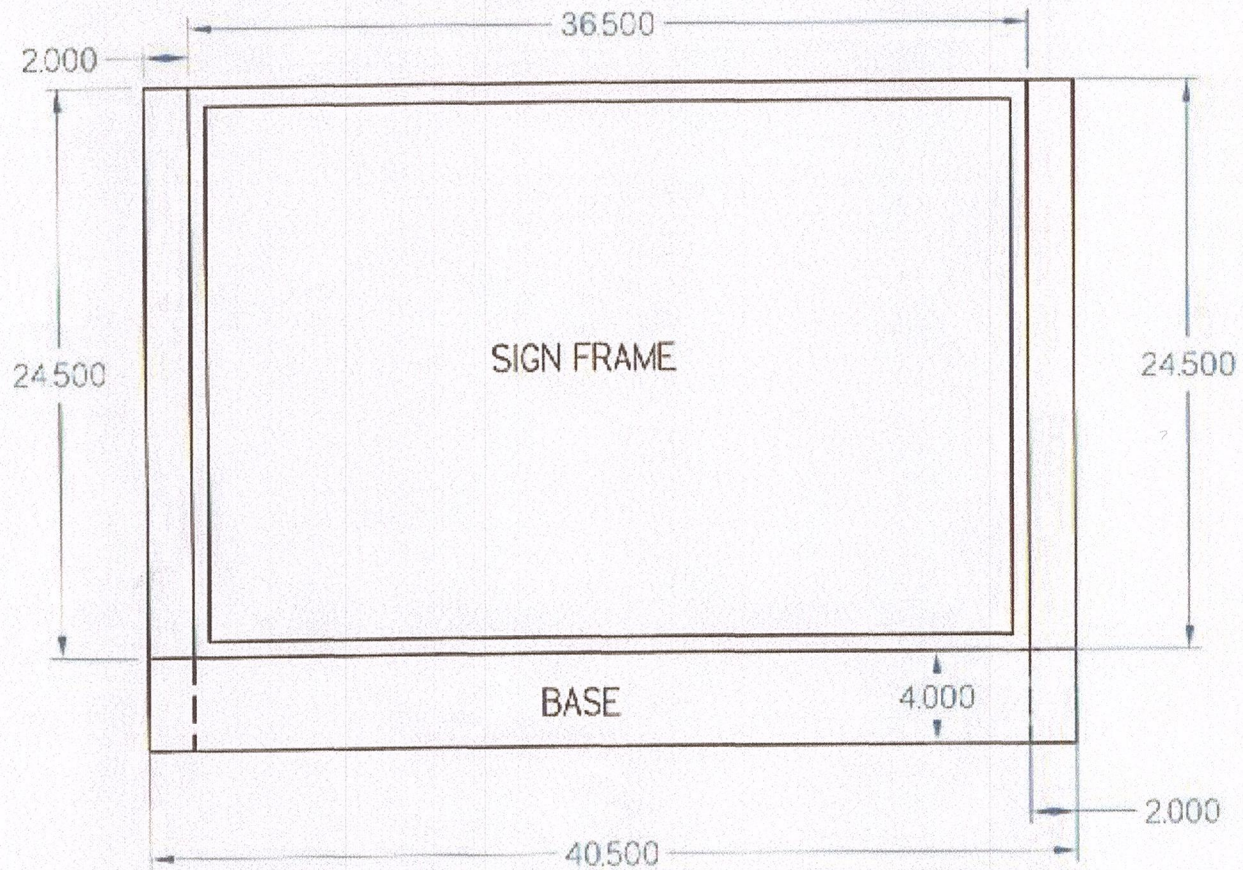


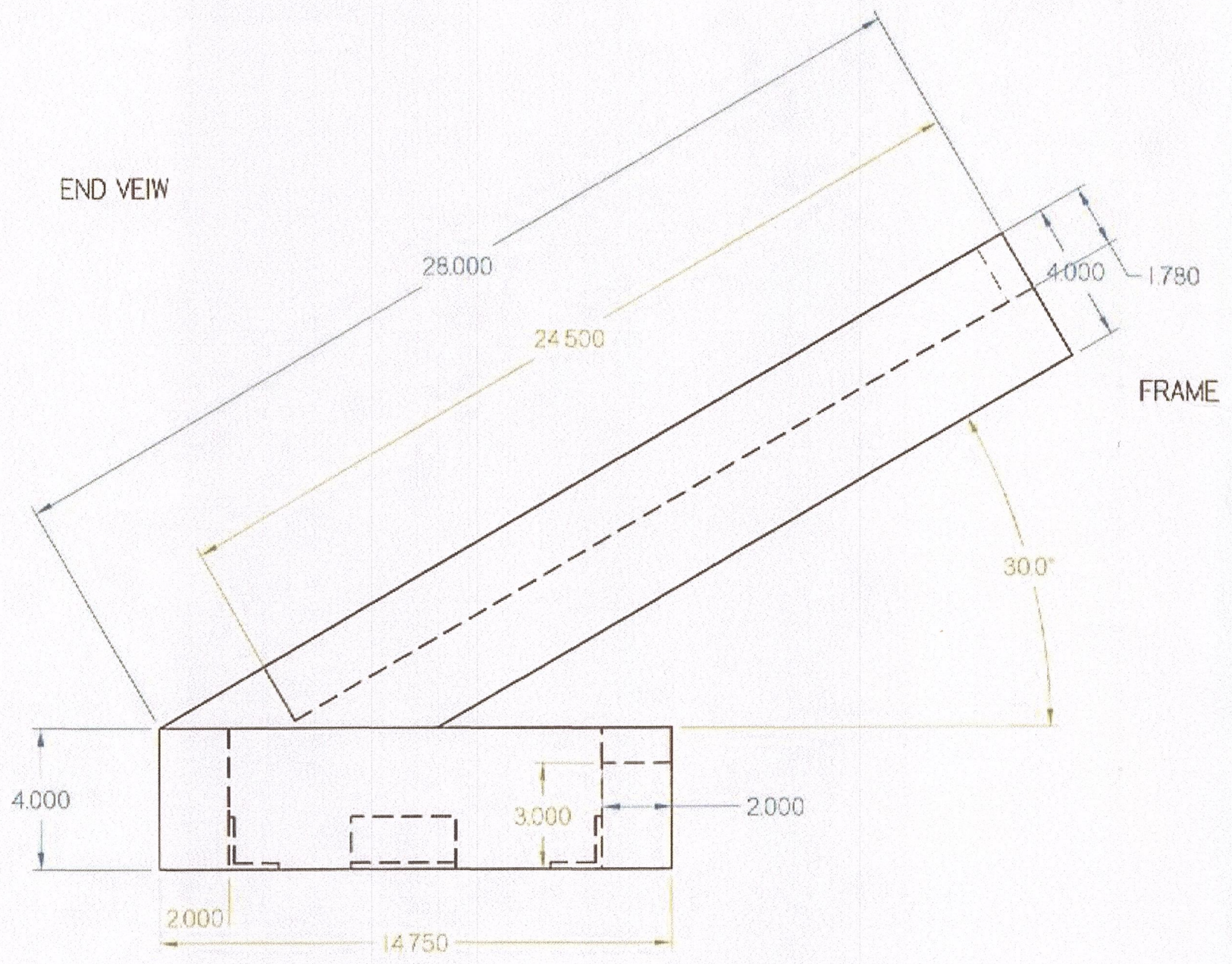
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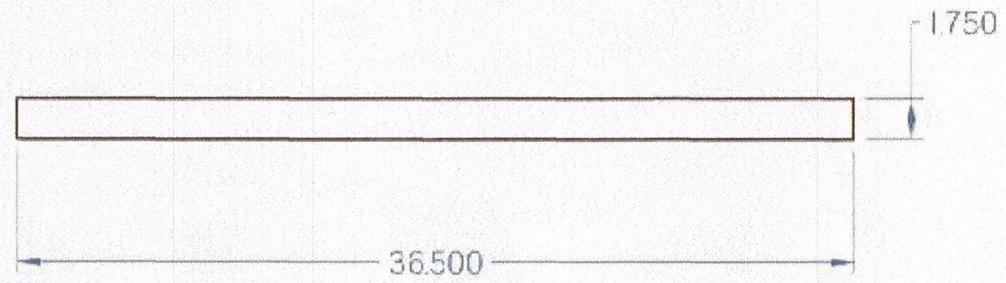
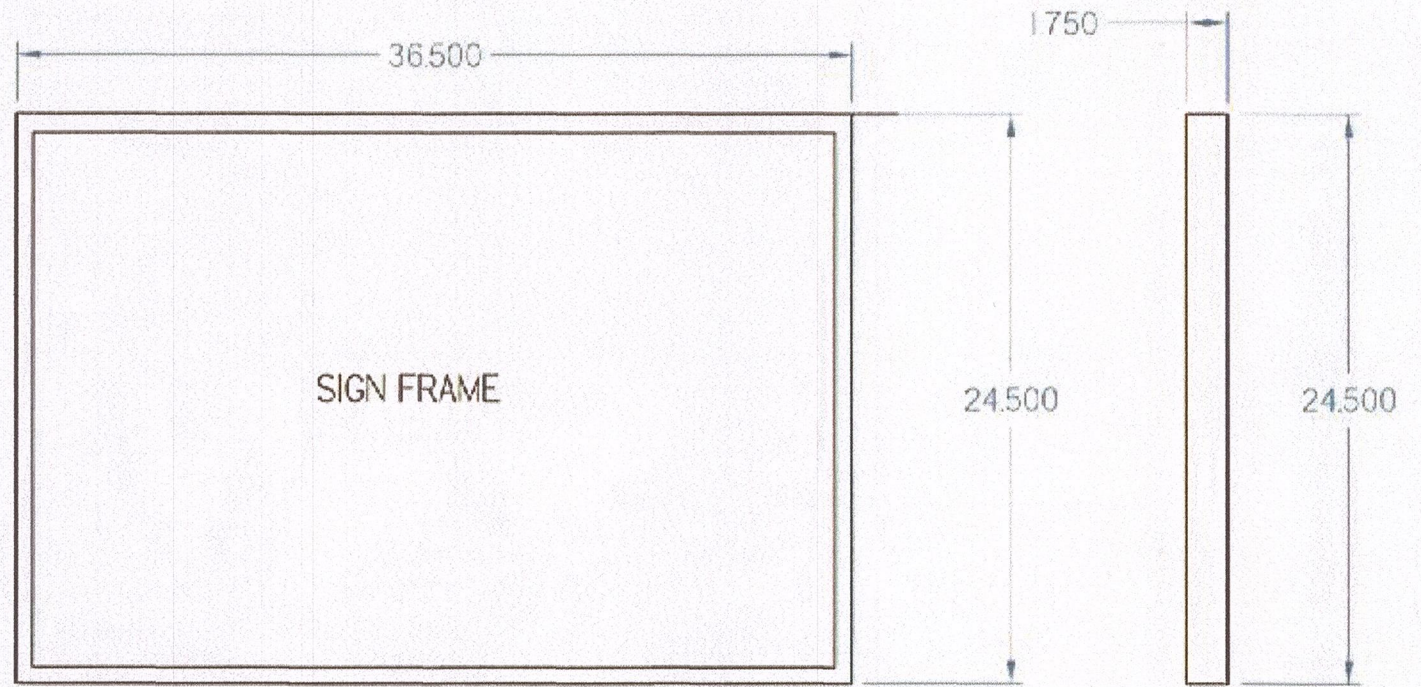
3/16 ALUM.

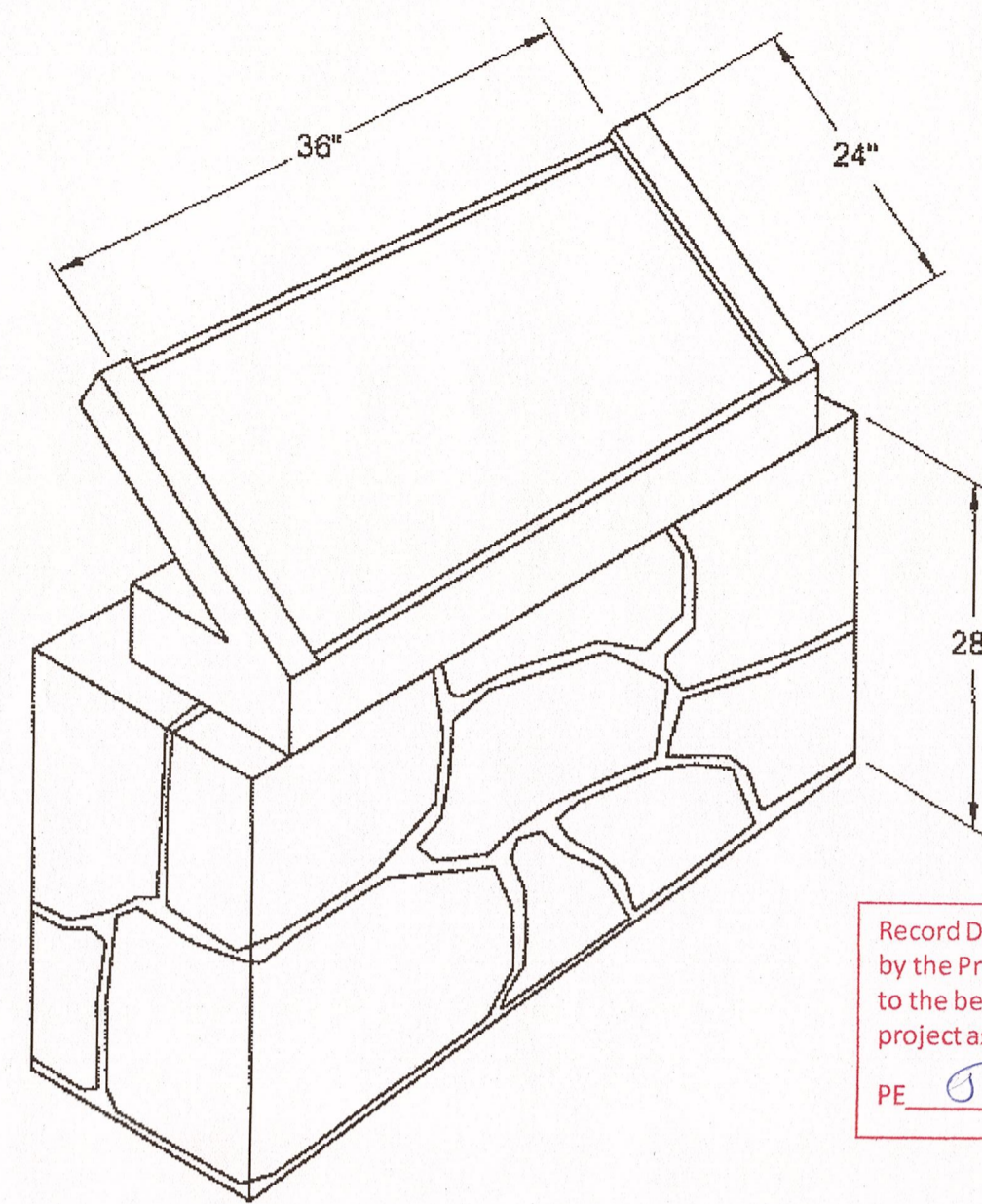


FRONT VIEW



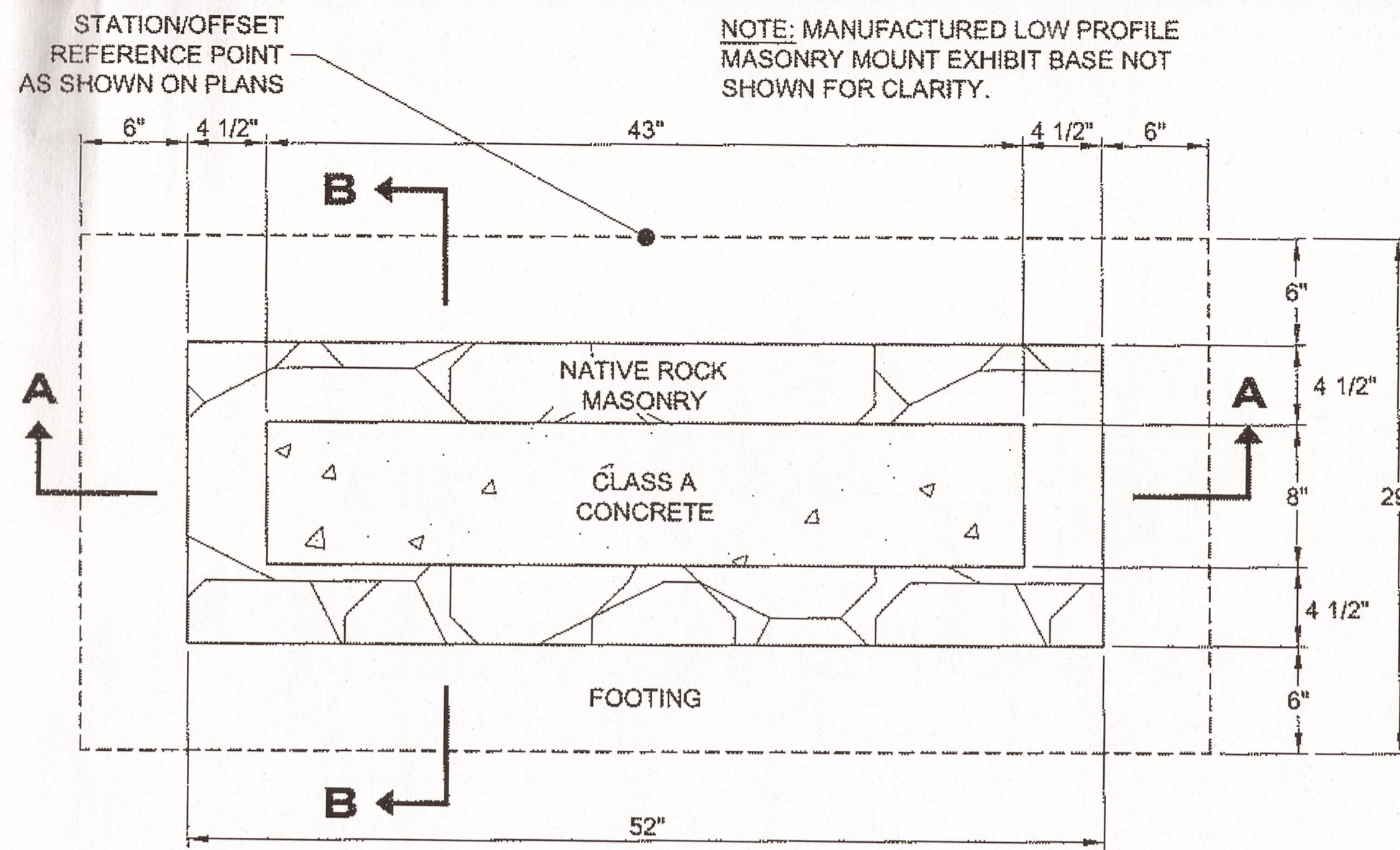






Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *GB* Date 4.3.15

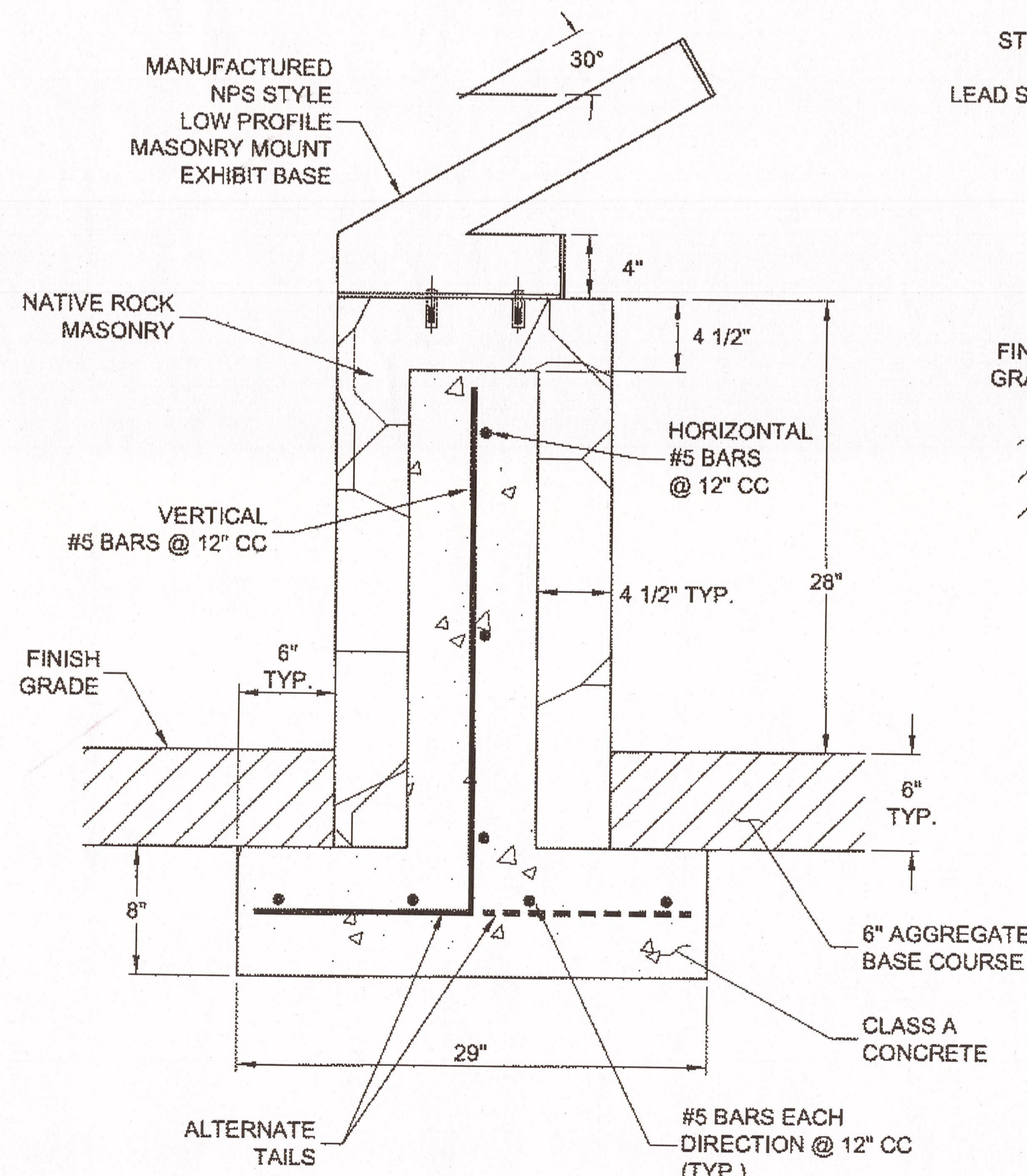
**CONCEPTUAL
WAYSIDE EXHIBIT**
NTS



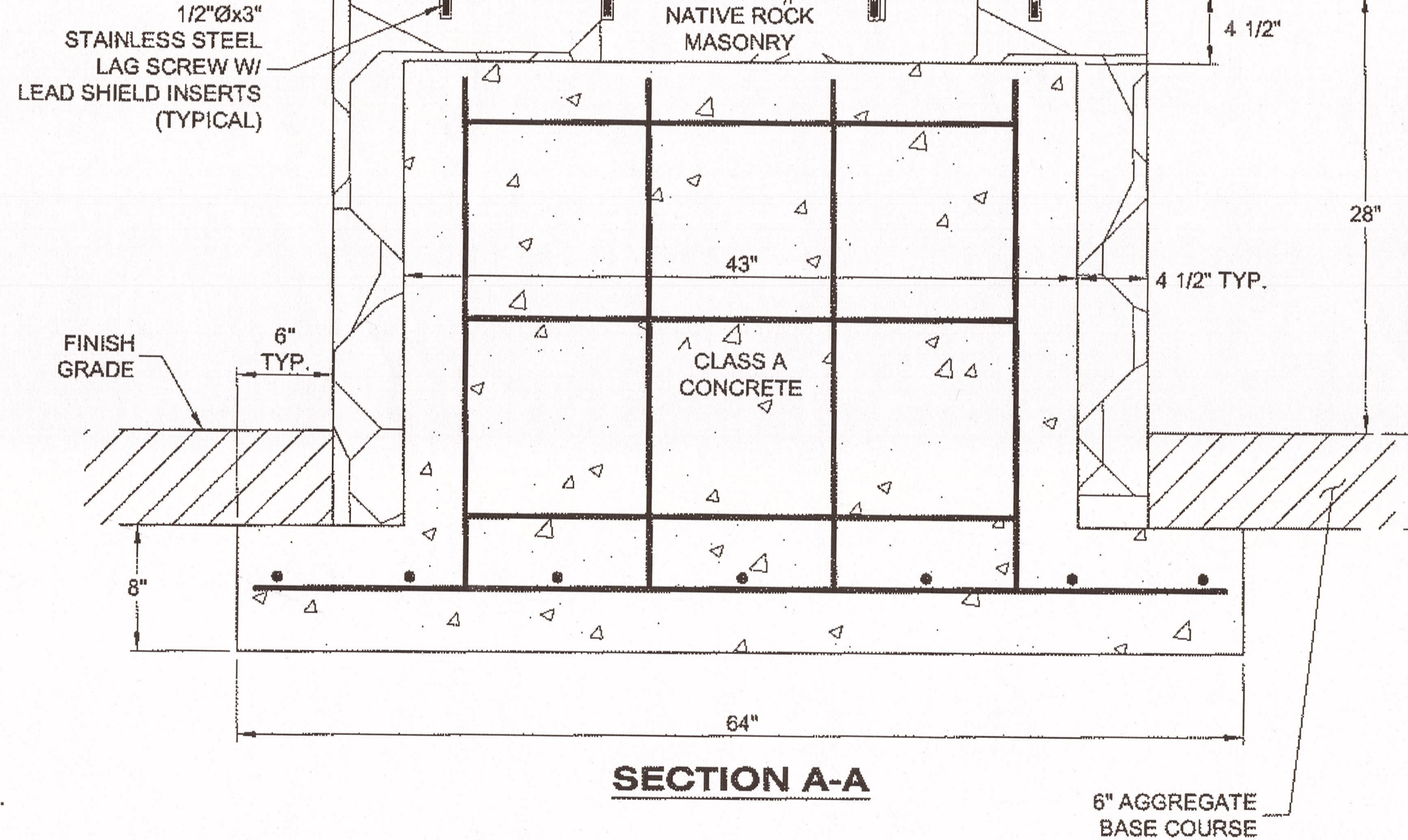
STATION/OFFSET REFERENCE POINT AS SHOWN ON PLANS
 NOTE: MANUFACTURED LOW PROFILE MASONRY MOUNT EXHIBIT BASE NOT SHOWN FOR CLARITY.

MANUFACTURED NPS STYLE LOW PROFILE MASONRY MOUNT EXHIBIT BASE
 INTERPRETIVE SIGN PANEL TO BE FURNISHED AND INSTALLED BY OTHERS

PLAN VIEW



SECTION B-B

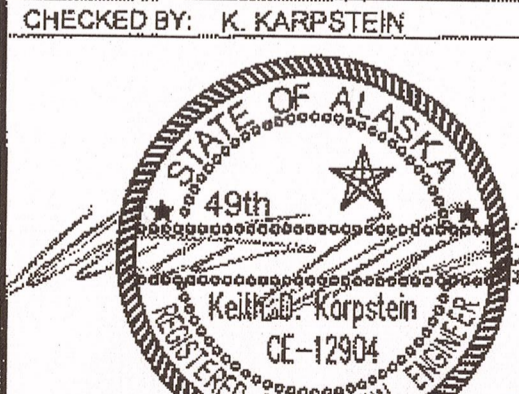


SECTION A-A

**INTERPRETIVE
SIGN SUPPORT-TYPE MASONRY**
NTS

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: K. KARPSTEIN
 DESIGNED BY: N. GEARY
 DRAWN BY: N. GEARY / R. GRANTHAM
 PATH: Q:\SGY167424\PLANS\SET167424_E1-E4_DETAILS.DWG
 TAB: E4
 Wednesday, August 15, 2012 2:55:45 PM
 GRANHAM, RICK L (DOT)



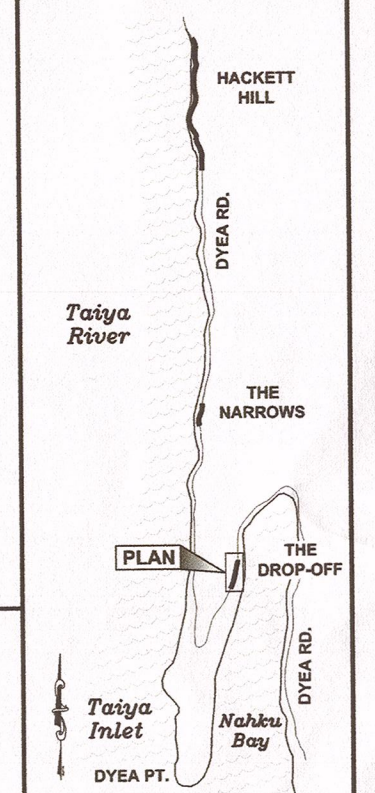
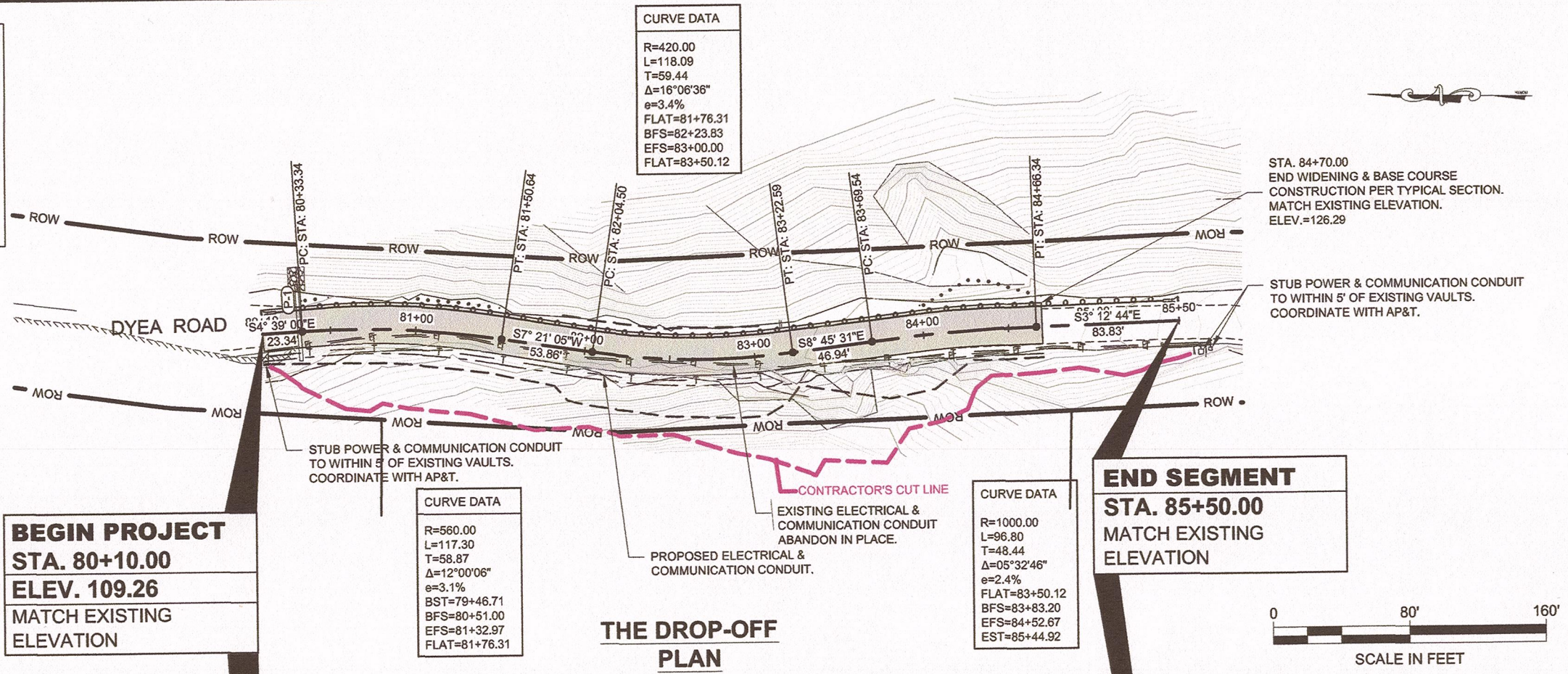
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION
**SGY - DYEA ROAD
 IMPROVEMENTS
 PROJECT # 67424**
**INTERPRETIVE
 SIGN SUPPORT BASE
 INSTALLATION DETAILS**

REVISIONS		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS	
NO.	DATE	DESCRIPTION				
			HHE-0997(8)-67424	2012	E4	27

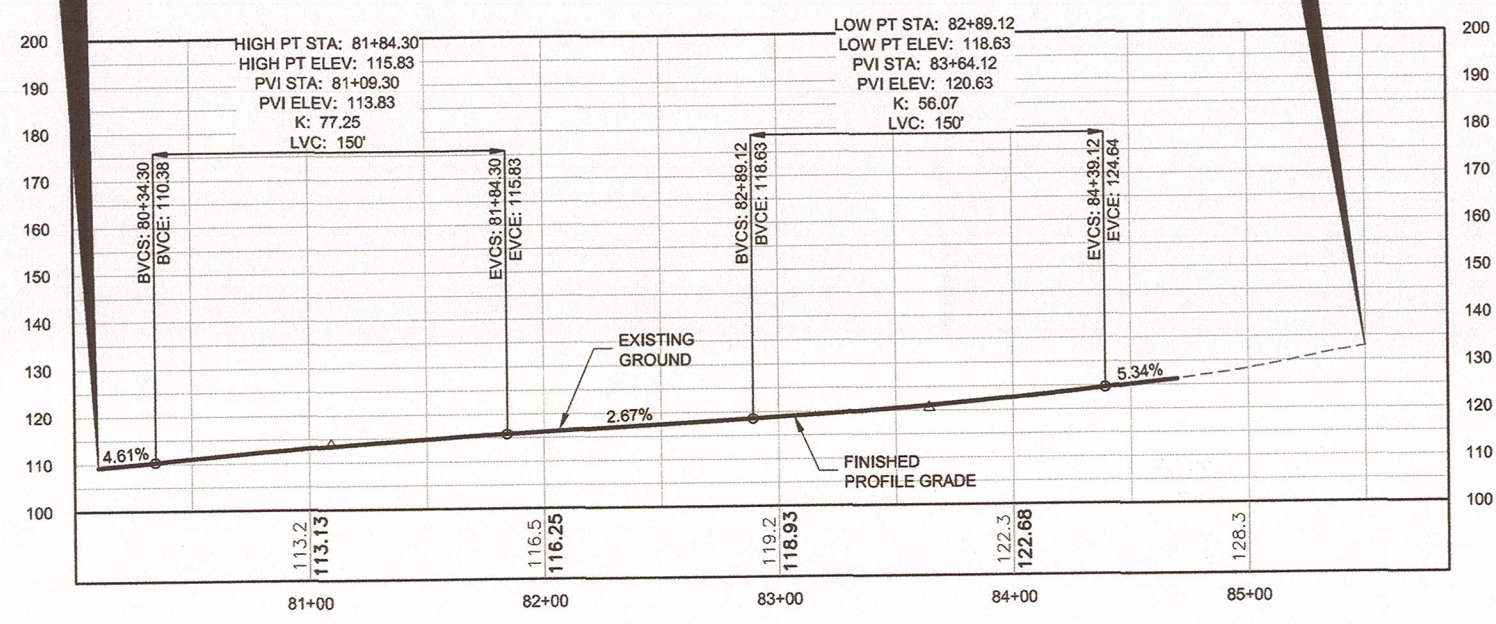
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

- F-SHEET NOTES:**
- POTENTIAL SOIL CUT. RECOMMEND OVERBURDEN LINE DRILLING. COORDINATE WORK WITH ENGINEER.
 - FULL WIDTH CONSTRUCTION ENCROACHES INTO THE EXISTING ROAD IN THIS AREA.
 - SMOOTHLY TAPER RIPRAP BETWEEN THE EXISTING SLOPE AND THE RIPRAP TYPICAL SECTION.

LEGEND
 RIPRAP, CLASS I



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE JS Date 4.3.15



THE DROP-OFF PROFILE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: K. KARPSTEIN

DESIGNED BY: N. GEARY
 DRAWN BY: N. GEARY

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

SGY - DYEA ROAD IMPROVEMENTS
 PROJECT # 67424

PLAN & PROFILE

PROJECT DESIGNATION	
HHE-0997(8) ~ 67424	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
F1	27

F-SHEET NOTES:

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LEGEND

▣ RIPRAP, CLASS I

CURVE DATA

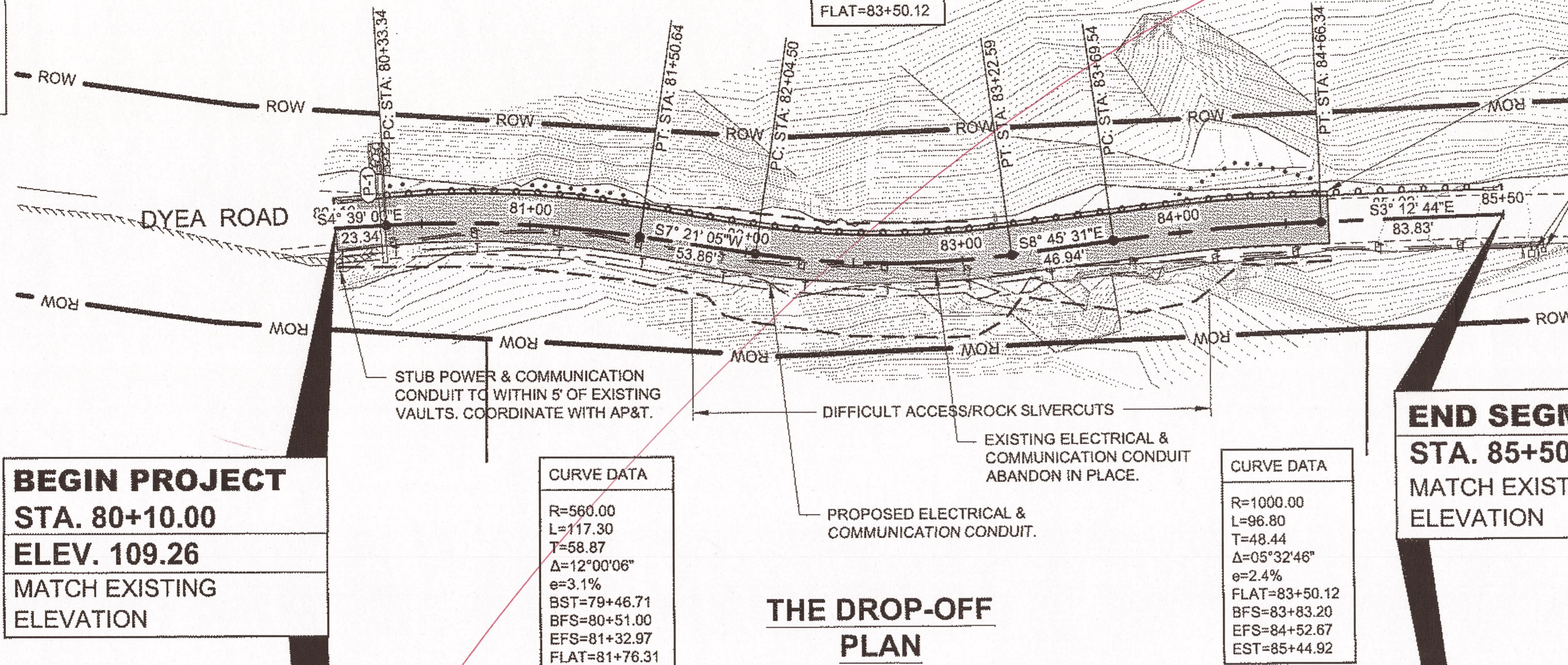
R=420.00
L=118.09
T=59.44
Δ=16°06'36"
e=3.4%
FLAT=81+76.31
BFS=82+23.83
EFS=83+00.00
FLAT=83+50.12

CURVE DATA

R=560.00
L=117.30
T=58.87
Δ=12°00'06"
e=3.1%
BST=79+46.71
BFS=80+51.00
EFS=81+32.97
FLAT=81+76.31

CURVE DATA

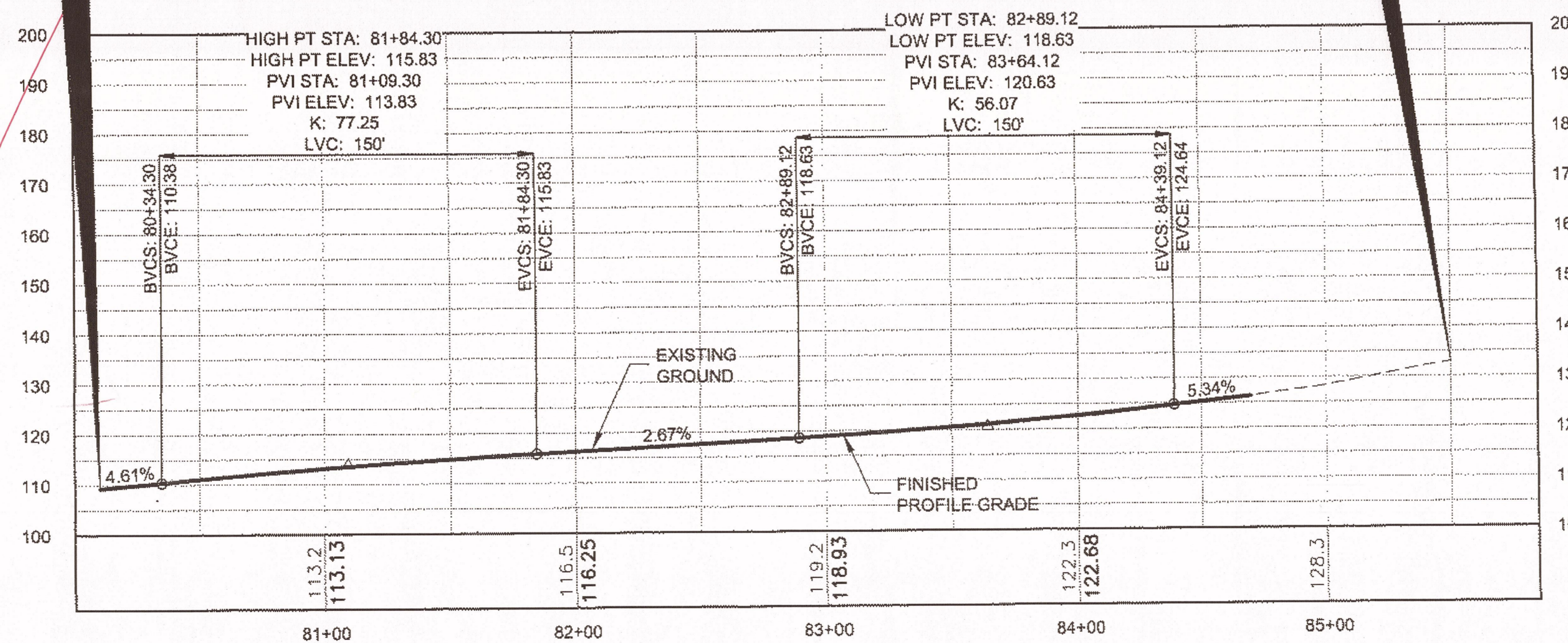
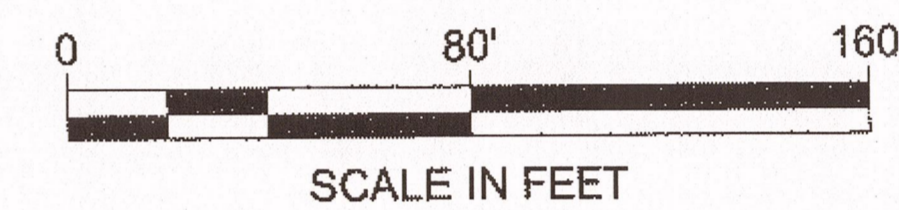
R=1000.00
L=96.80
T=48.44
Δ=05°32'46"
e=2.4%
FLAT=83+50.12
BFS=83+83.20
EFS=84+52.67
EST=85+44.92



BEGIN PROJECT
STA. 80+10.00
ELEV. 109.26
MATCH EXISTING ELEVATION

END SEGMENT
STA. 85+50.00
MATCH EXISTING ELEVATION

THE DROP-OFF PLAN

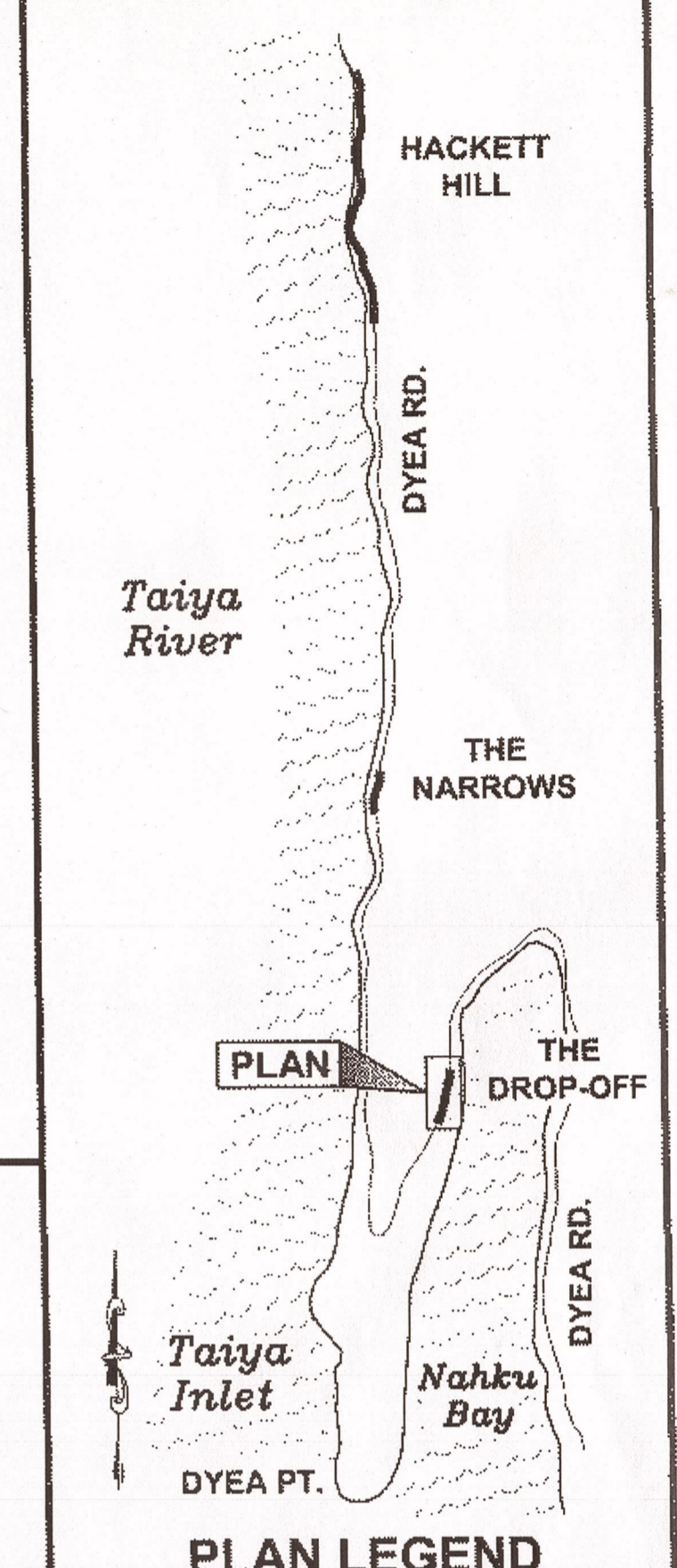


THE DROP-OFF PROFILE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: Q:\SGY167424\PLANS\SETI\ADDENDUM
11-6-12\67424_F1-F5_P&P
(ADDENDUM).DWG
GEARY, NATE (DOT)
TAB: F1 Wednesday, November 07, 2012 12:36:4

ADDENDUM NUMBER	4	
ATTACHMENT NUMBER	4	
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: K. KARPSTEIN

DESIGNED BY: N. GEARY
DRAWN BY: N. GEARY

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

SGY - DYEA ROAD
IMPROVEMENTS
PROJECT # 67424

PLAN & PROFILE

PROJECT DESIGNATION	
HHE-0997(8) ~ 67424	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
F1	27

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 PE *GS* Date 4-3-15

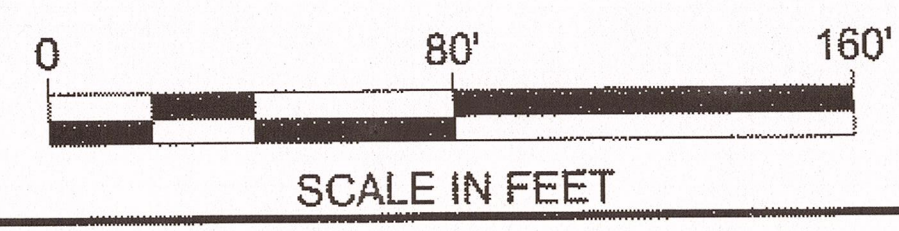
BEGIN SEGMENT
STA. 145+25.00
ELEV. 67.87
 MATCH EXISTING ELEVATION

CURVE DATA
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 L=240.21
 T=124.51
 Δ=37°11'52"
 e=3.2%
 BST=144+28.79
 BFS=145+35.35
 EFS=147+38.91
 EST=148+45.47

CURVE DATA
 R=285.00
 L=83.38
 T=41.99
 Δ=16°45'44"
 e=3.6%
 BST=150+16.31
 BFS=151+29.98
 EFS=151+72.03
 EST=152+85.70

END SEGMENT
STA. 152+03.53
ELEV. 71.70
 MATCH EXISTING ELEVATION

THE NARROWS PLAN

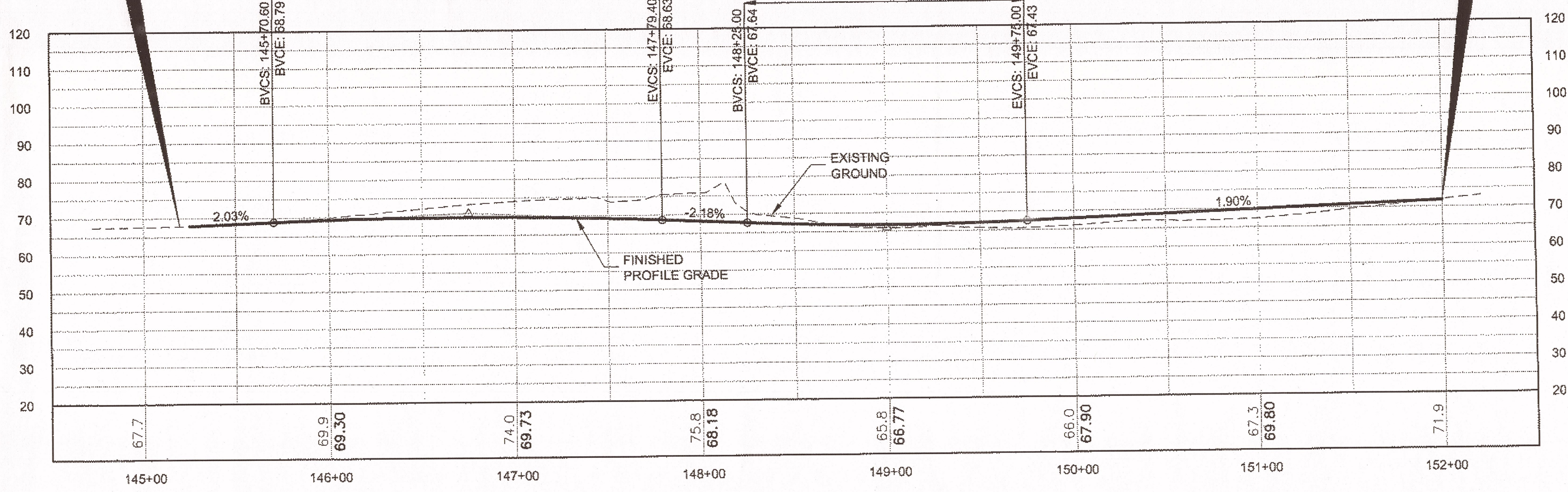


LEGEND

RIPRAP, CLASS I

HIGH PT STA: 146+71.16
 HIGH PT ELEV: 69.81
 PVI STA: 146+75.00
 PVI ELEV: 70.91
 K: 49.64
 LVC: 209'

LOW PT STA: 149+05.12
 LOW PT ELEV: 66.76
 PVI STA: 149+00.00
 PVI ELEV: 66.00
 K: 36.75
 LVC: 150'

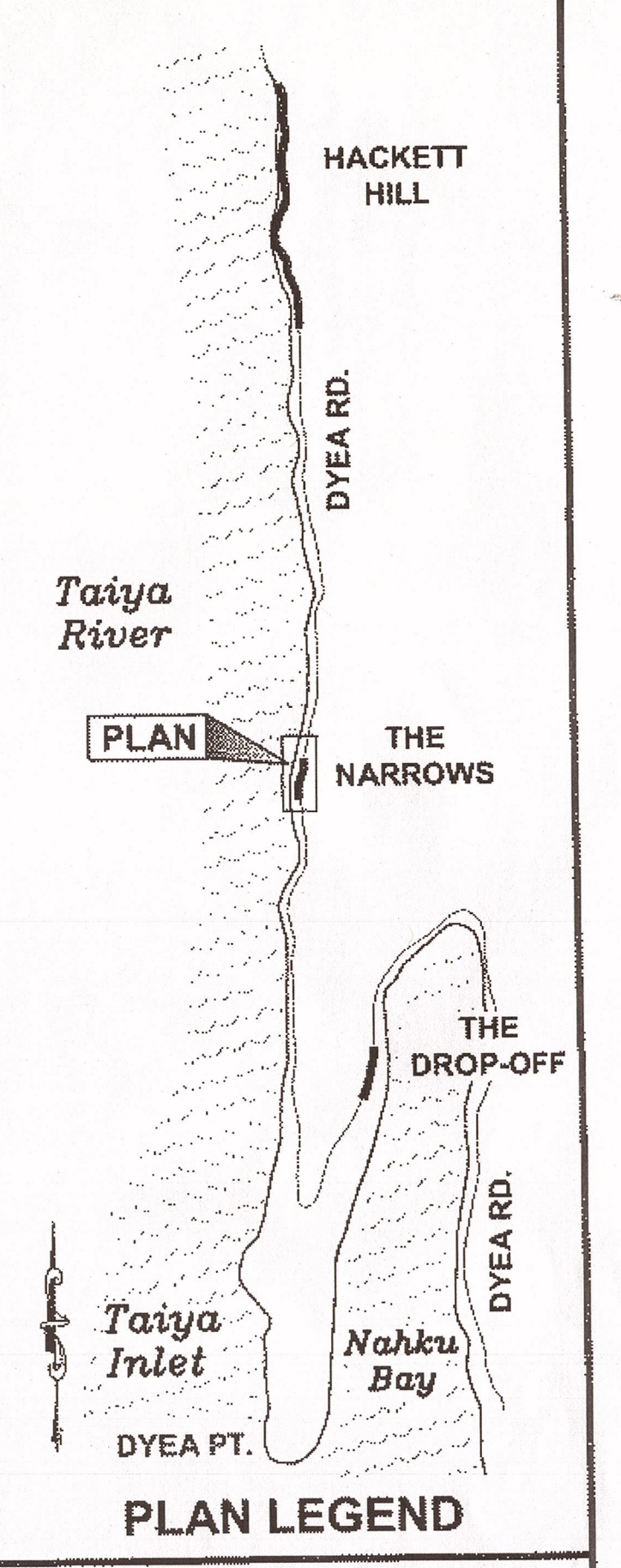


THE NARROWS PROFILE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: Q:\SGY167424\PLANS\SET\ADDENDUM 11-6-12\67424_F1-F5_P&P (ADDENDUM).DWG
 GEARY, NATE (DOT)
 TAB: F2 Wednesday, November 07, 2012 12:36:4

ADDENDUM NUMBER	4	
ATTACHMENT NUMBER	4	
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: K. KARPSTEIN

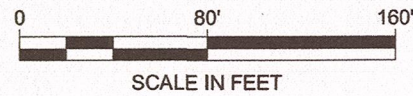
DESIGNED BY: N. GEARY
 DRAWN BY: N. GEARY

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

SGY - DYE ROAD IMPROVEMENTS
 PROJECT # 67424

PLAN & PROFILE

PROJECT DESIGNATION	
HHE-0997(8) ~ 67424	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
F2	27



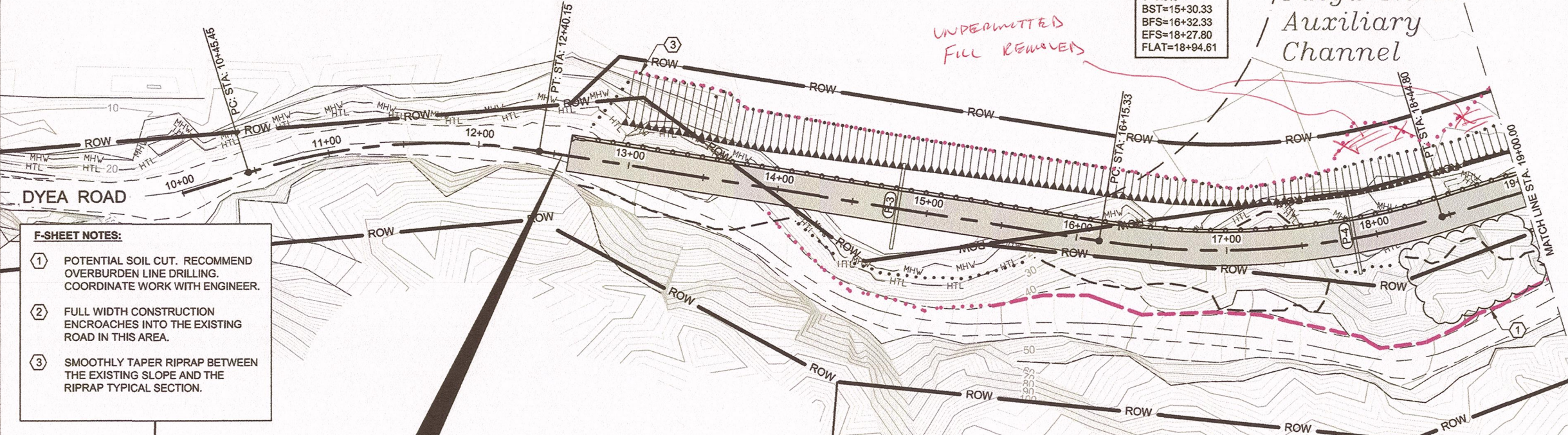
CURVE DATA	
R=	500.00
L=	229.47
T=	116.79
Δ=	26°17'42"
e=	3.0%
BST=	15+30.33
BFS=	16+32.33
EFS=	18+27.80
FLAT=	18+94.61

APPROXIMATE LIMITS OF MAIN CHANNEL

Taiya River

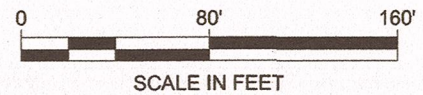
Taiya River Auxiliary Channel

UNPERMITTED FILL REMOVED



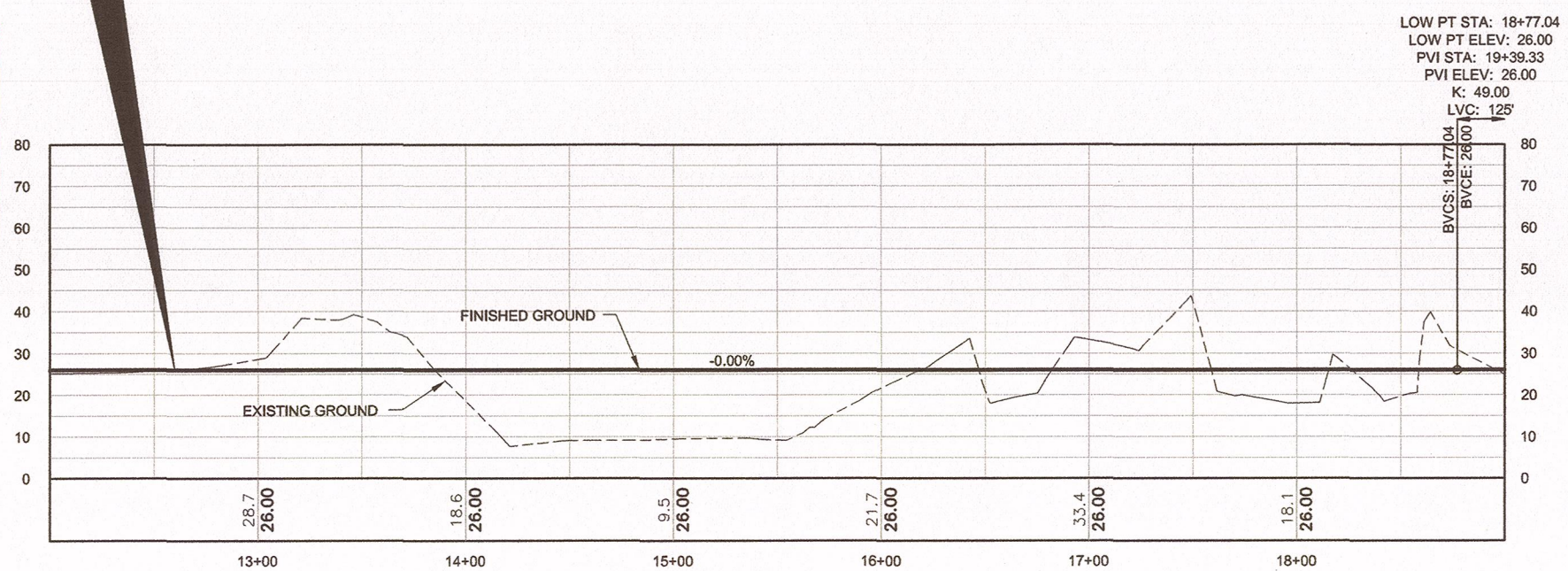
- F-SHEET NOTES:**
- POTENTIAL SOIL CUT. RECOMMEND OVERBURDEN LINE DRILLING. COORDINATE WORK WITH ENGINEER.
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 - SMOOTHLY TAPER RIPRAP BETWEEN THE EXISTING SLOPE AND THE RIPRAP TYPICAL SECTION.

BEGIN SEGMENT
STA. 12+60.00
ELEV. 26.00
 MATCH EXISTING ELEVATION



HACKETT HILL PLAN

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 PE OB Date 4-3-15



LOW PT STA: 18+77.04
 LOW PT ELEV: 26.00
 PVI STA: 19+39.33
 PVI ELEV: 26.00
 K: 49.00
 LVC: 125'

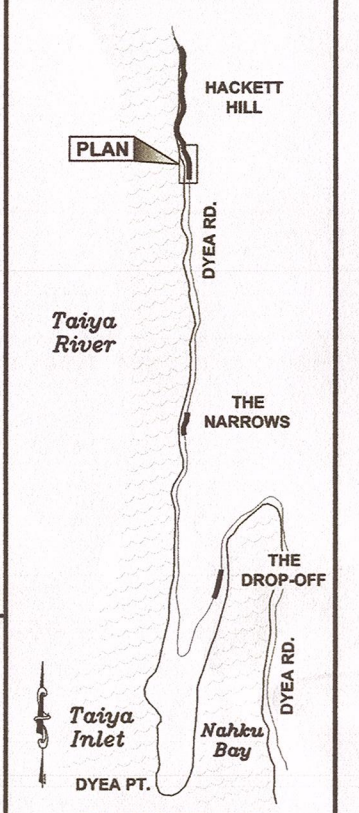
HACKETT HILL PROFILE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: Q:\SGY167424\ENF SHEETS SHOWING CONTRACTOR DAYLIGHT LIMITS.DWG

GEARY, NATE (DOT)
 TAB: F3 Monday, September 09, 2013 12:18:22 PM

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: K. KARPSTEIN

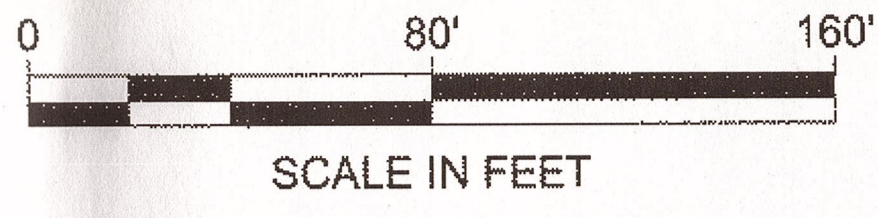
DESIGNED BY: N. GEARY
 DRAWN BY: N. GEARY

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

SGY - DYEA ROAD IMPROVEMENTS
 PROJECT # 67424

PLAN & PROFILE

PROJECT DESIGNATION	
HHE-0997(8) ~ 67424	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
F3	27



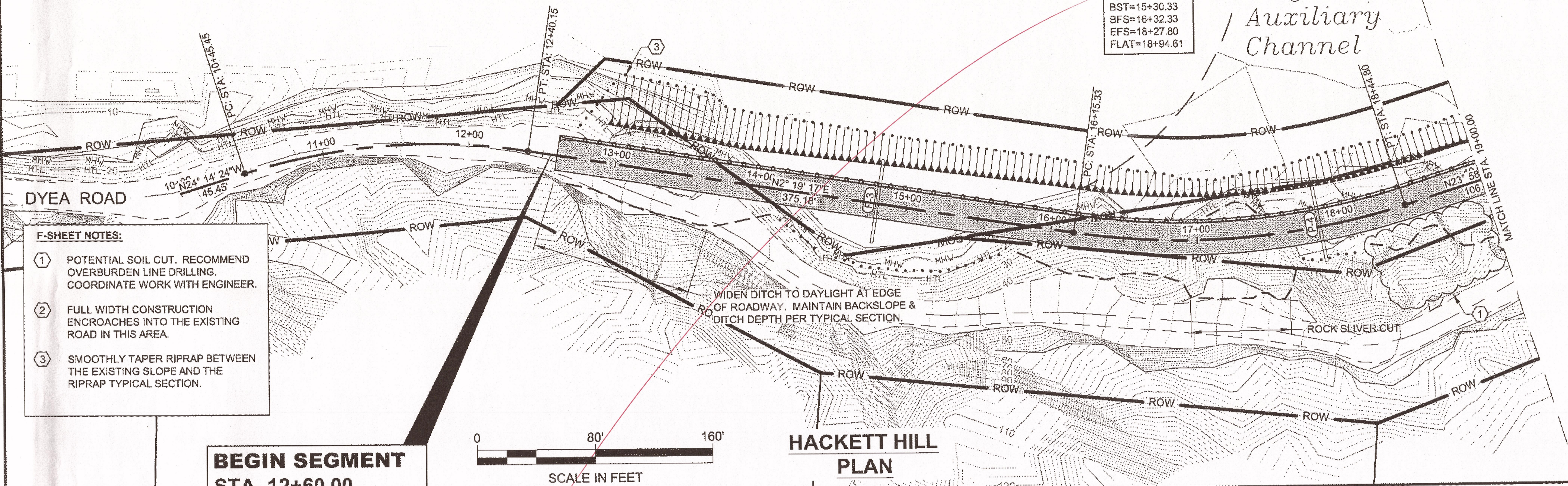
CURVE DATA

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 L=229.47
 T=116.79
 Δ=26°17'42"
 e=3.0%
 BST=15+30.33
 BFS=16+32.33
 EFS=18+27.80
 FLAT=18+94.61

APPROXIMATE LIMITS OF MAIN CHANNEL

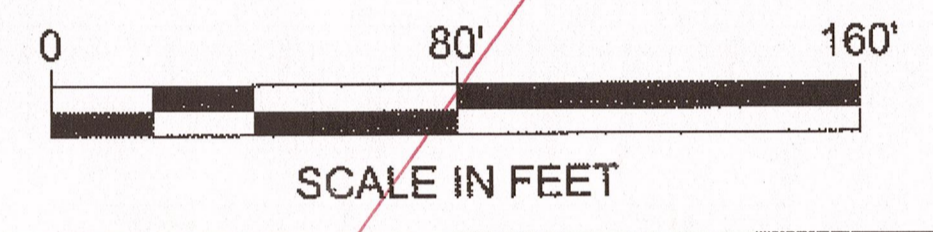
Taiya River

Taiya River
 Auxiliary
 Channel



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**BEGIN SEGMENT
 STA. 12+60.00
 ELEV. 26.00
 MATCH EXISTING
 ELEVATION**

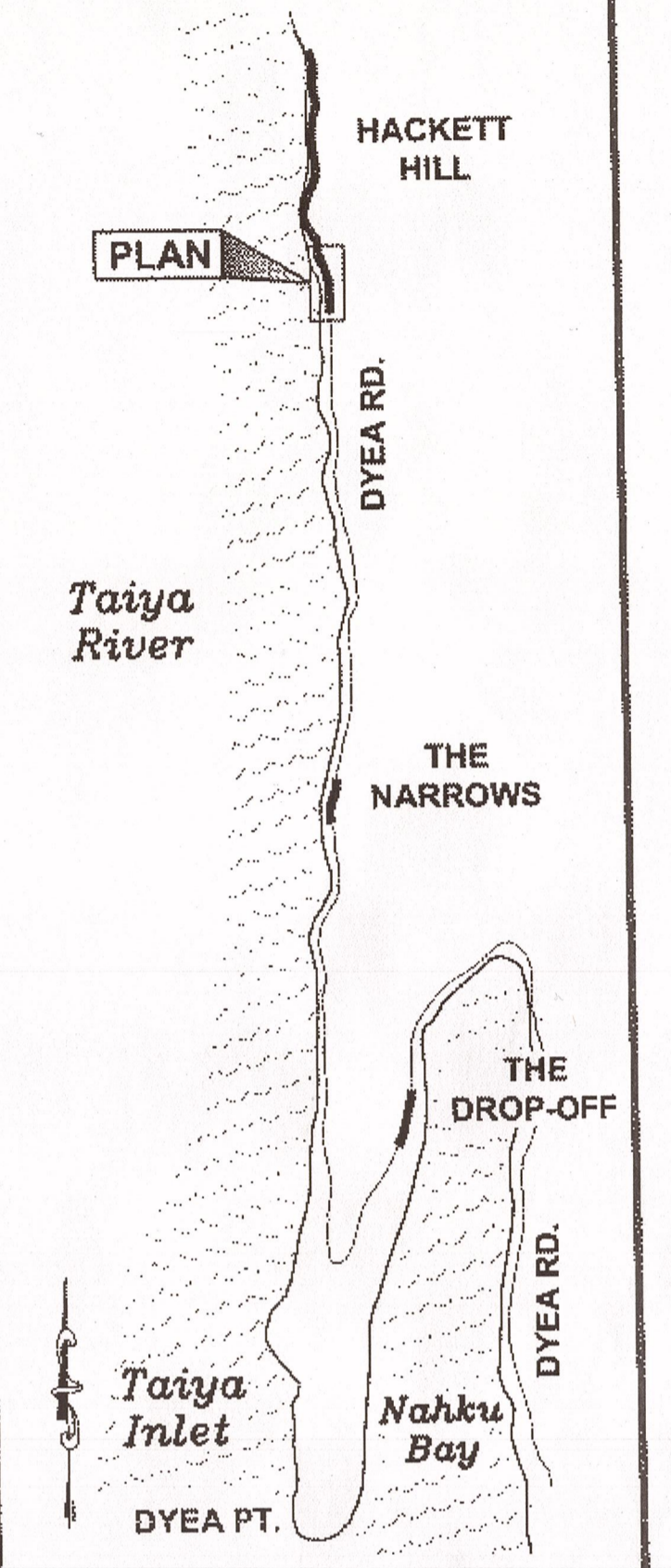


**HACKETT HILL
 PLAN**

PATH: Q:\SGY\67424\PLANS\SET\ADDENDUM
 11-6-12\67424_F1-F5_P&P
 (ADDENDUM).DWG

GEARY, NATE (DOT)
 TAB: F3 Wednesday, November 07, 2012 12:38:55

ADDENDUM NUMBER		
4		
ATTACHMENT NUMBER		
4		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: K. KARPSTEIN

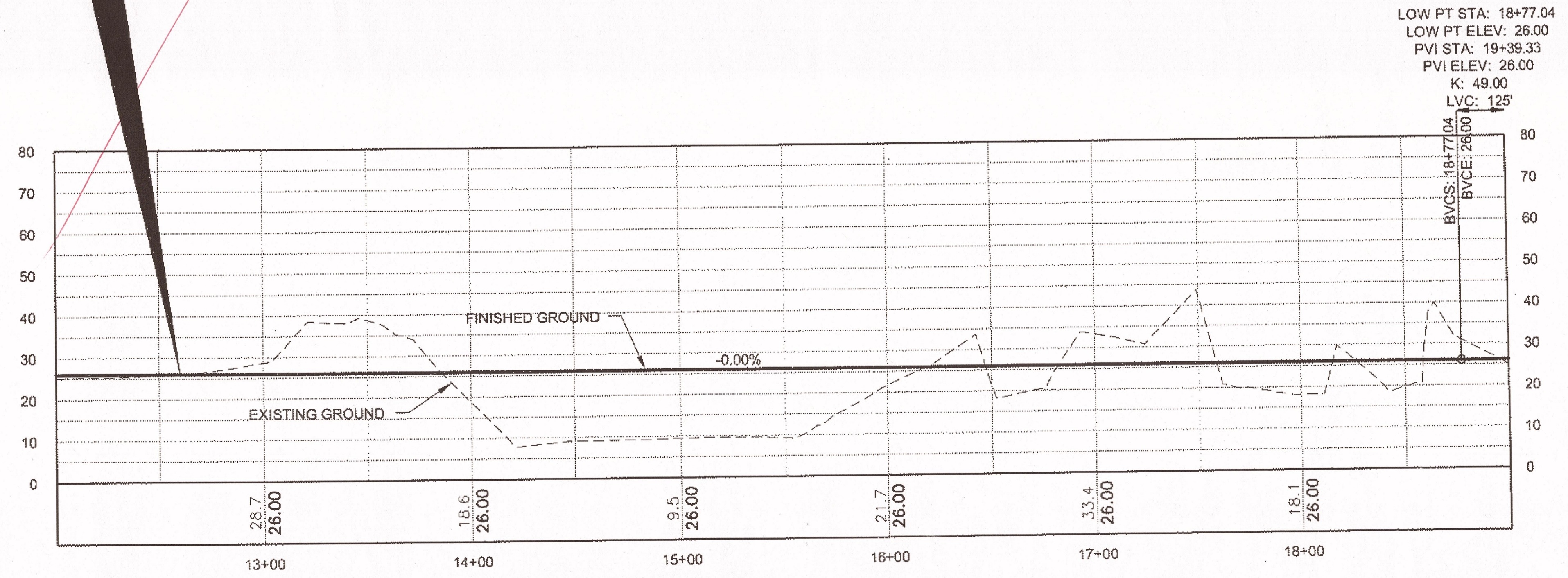
DESIGNED BY: N. GEARY
 DRAWN BY: N. GEARY

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

SGY - DYEA ROAD
 IMPROVEMENTS
 PROJECT # 67424

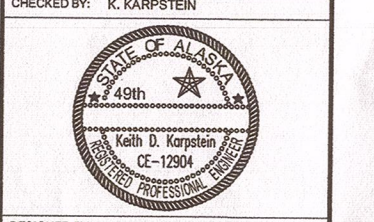
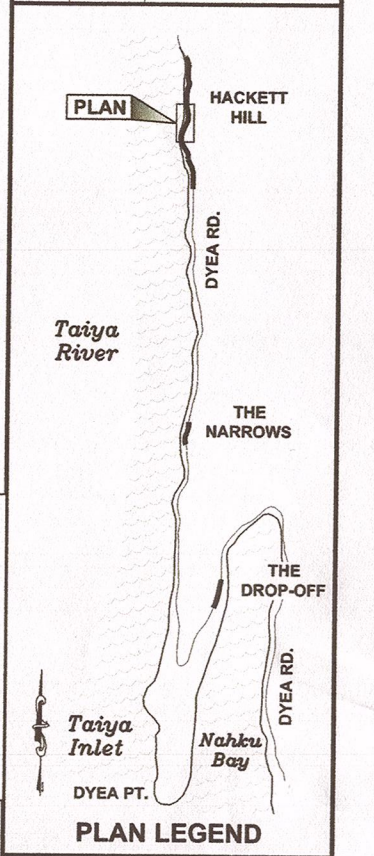
PLAN & PROFILE

PROJECT DESIGNATION	
HHE-0997(8) ~ 67424	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
F3	27



**HACKETT HILL
 PROFILE**

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



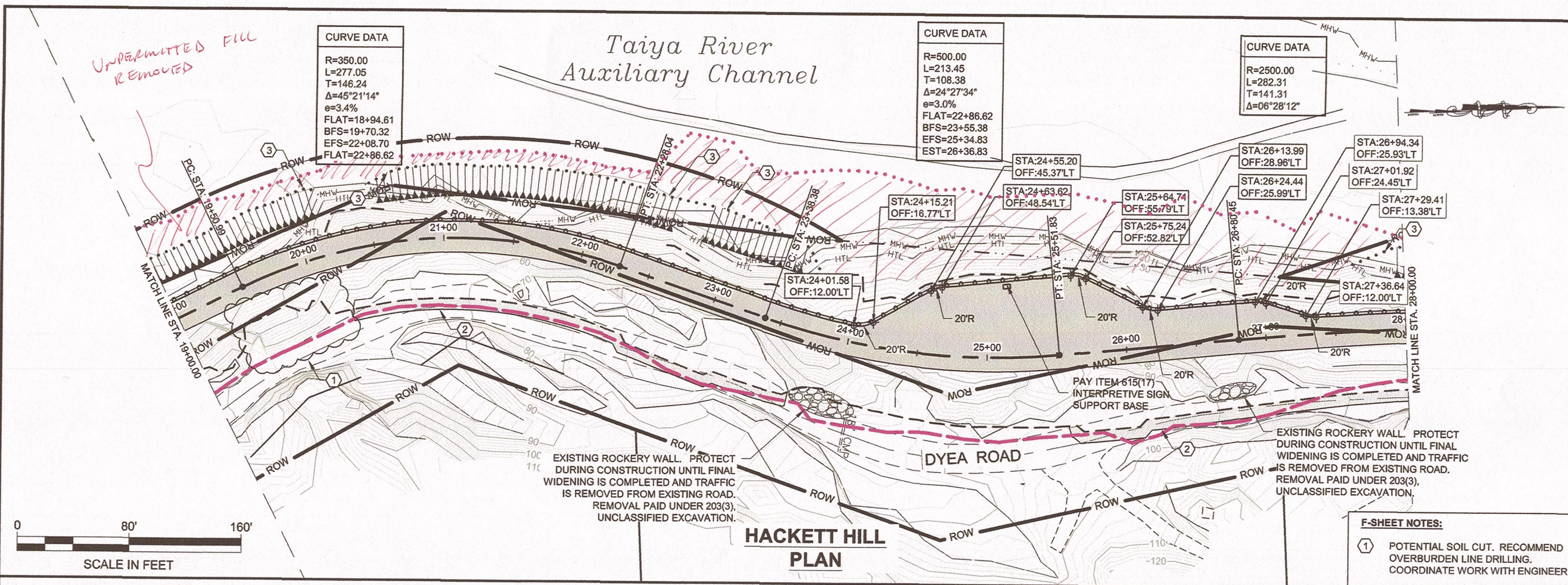
DESIGNED BY: N. GEARY
 DRAWN BY: N. GEARY
 STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION
 SGY - DYEA ROAD IMPROVEMENTS
 PROJECT # 67424

PLAN & PROFILE

PROJECT DESIGNATION
HHE-0997(8) ~ 67424

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
F4	27

Taiya River Auxiliary Channel



CURVE DATA

R=350.00
 L=277.05
 T=146.24
 Δ=45°21'14"
 e=3.4%
 FLAT=18+94.61
 BFS=19+70.32
 EFS=22+08.70
 FLAT=22+86.62

CURVE DATA

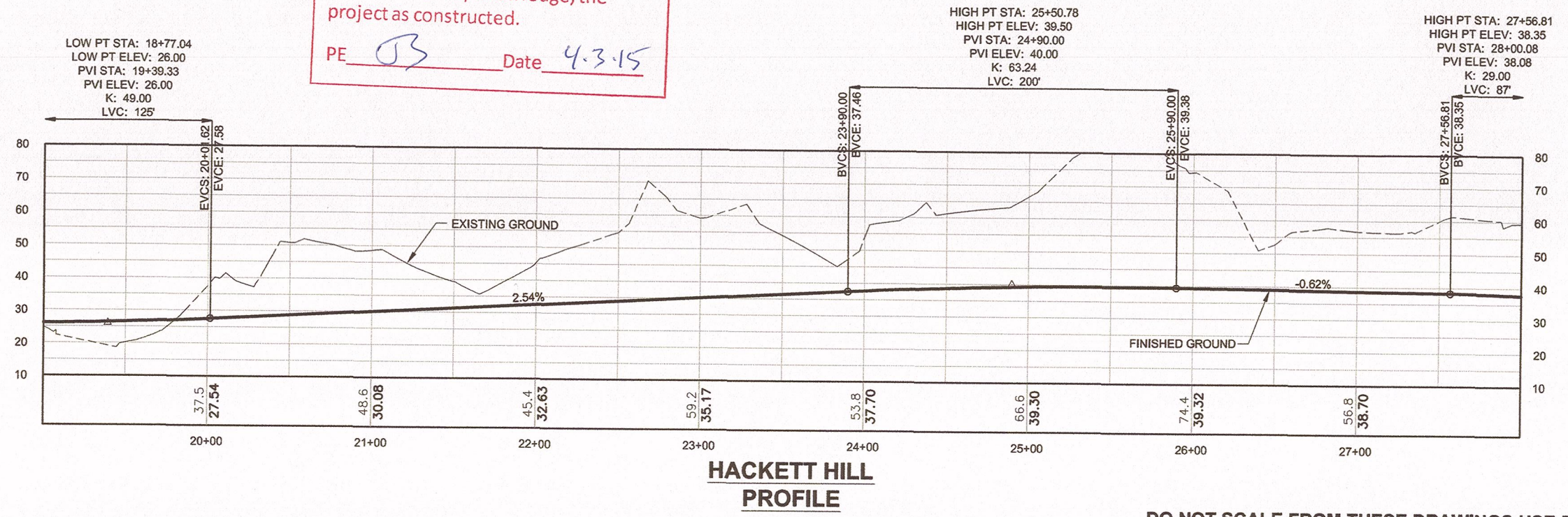
R=500.00
 L=213.45
 T=108.38
 Δ=24°27'34"
 e=3.0%
 FLAT=22+86.62
 BFS=23+55.38
 EFS=25+34.83
 EST=26+36.83

CURVE DATA

R=2500.00
 L=282.31
 T=141.31
 Δ=06°28'12"

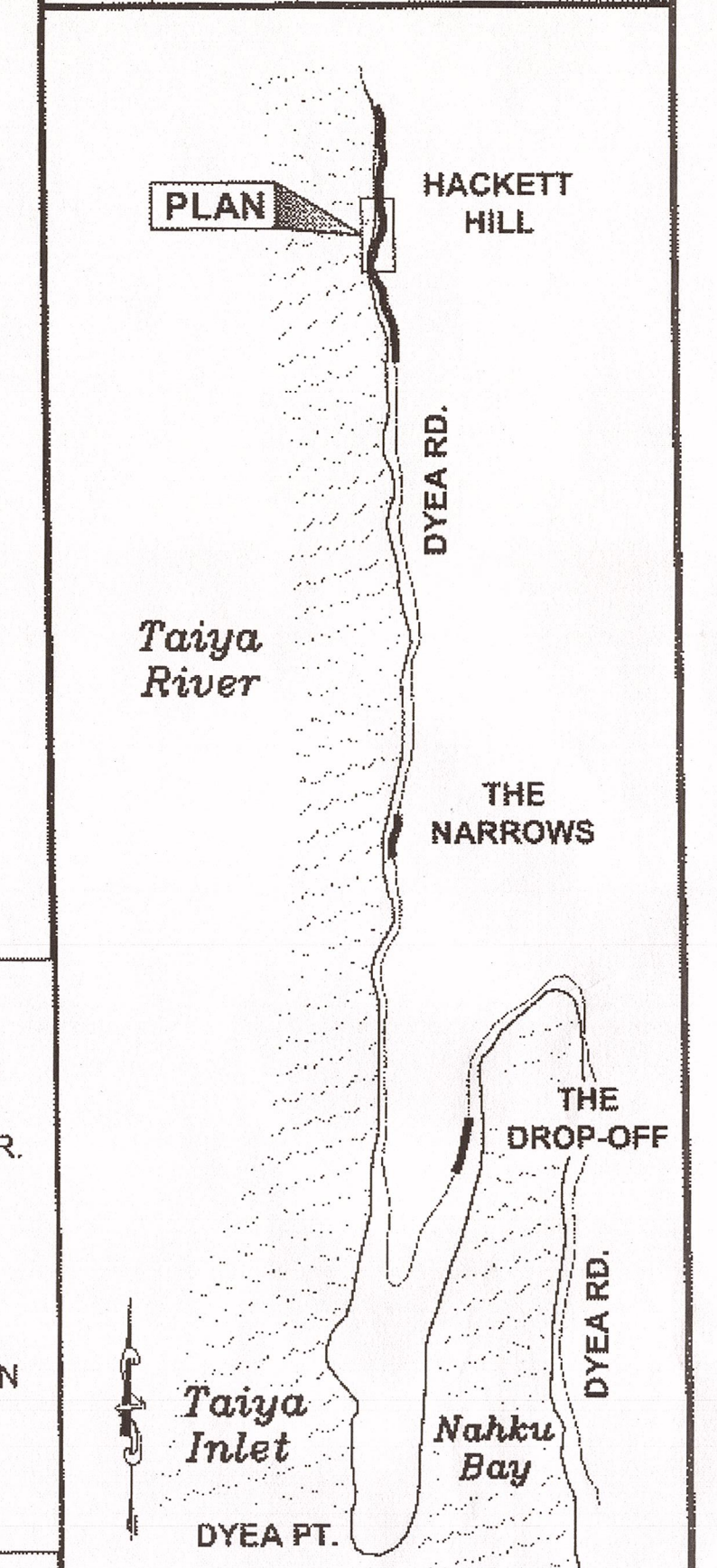
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Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE JS Date 4.3.15



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

GRANTHAM, RICK L (DOT)		
TAB: F4	Friday, August 17, 2012 1:33:02 PM	
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



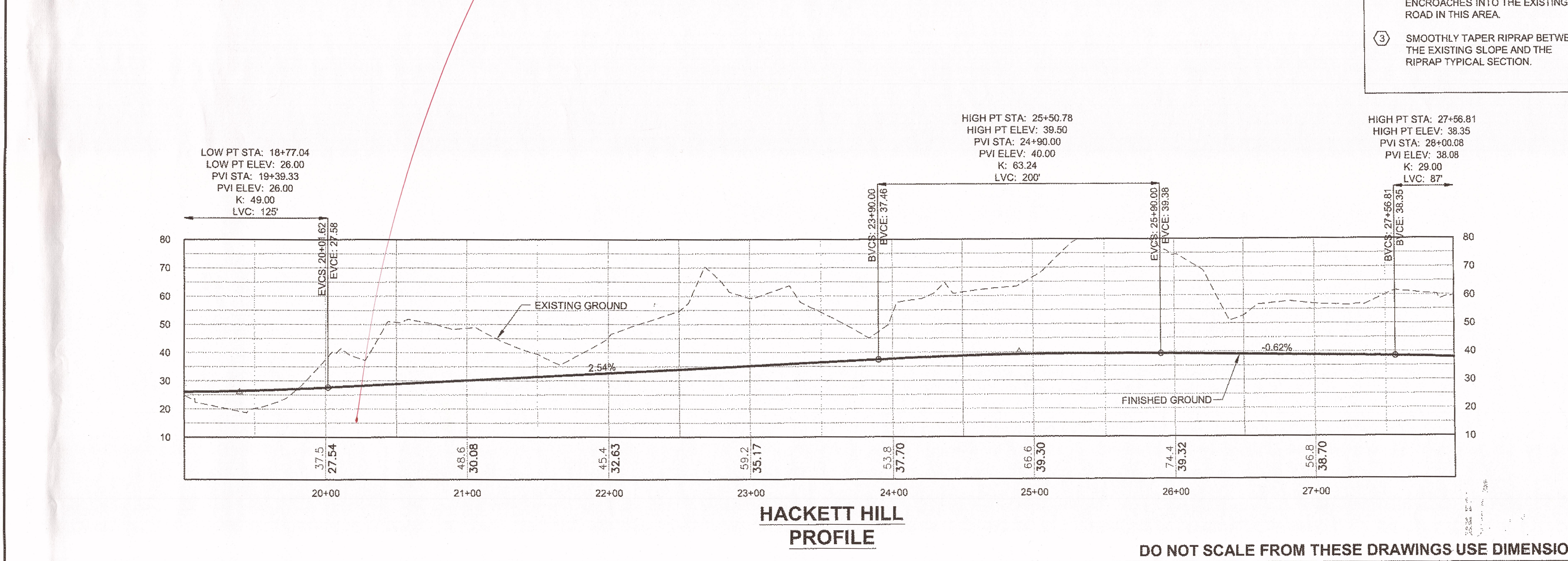
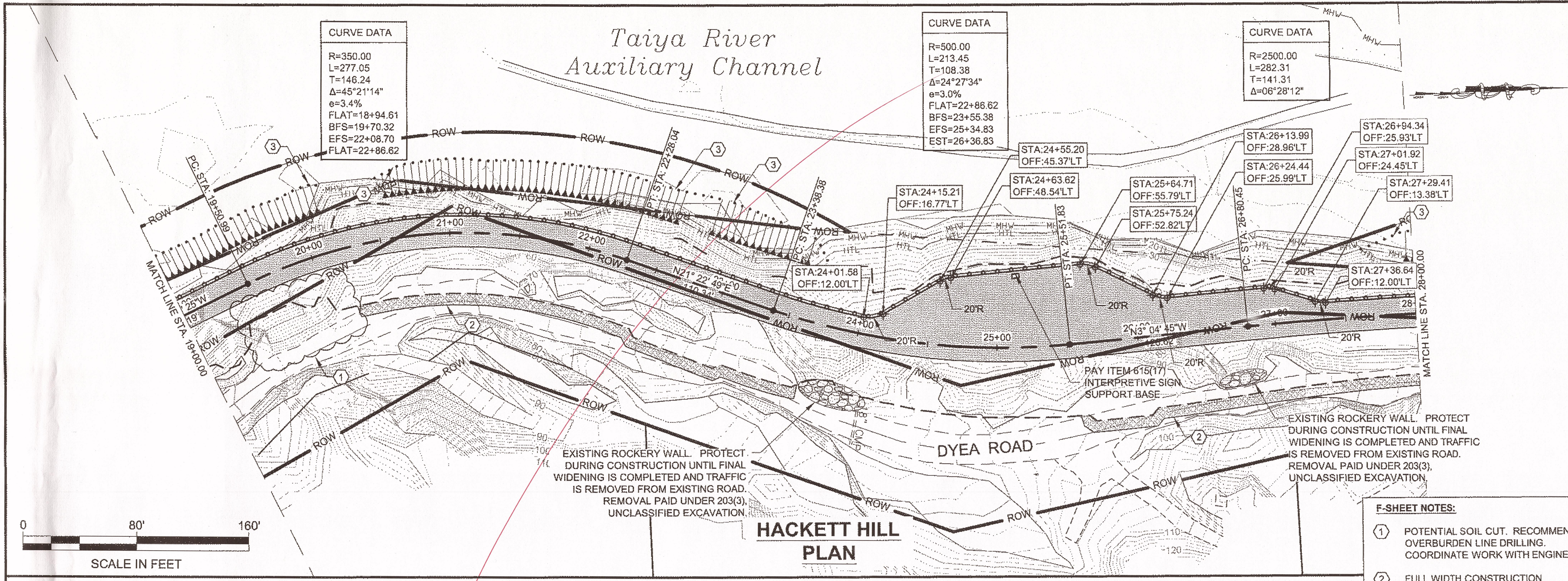
CHECKED BY: K. KARPSTEIN

DESIGNED BY: N. GEARY
 DRAWN BY: N. GEARY

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

SGY - DYEY ROAD IMPROVEMENTS PROJECT # 67424

PLAN & PROFILE	
PROJECT DESIGNATION	
HHE-0997(8) ~ 67424	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
F4	27



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F-SHEET NOTES:

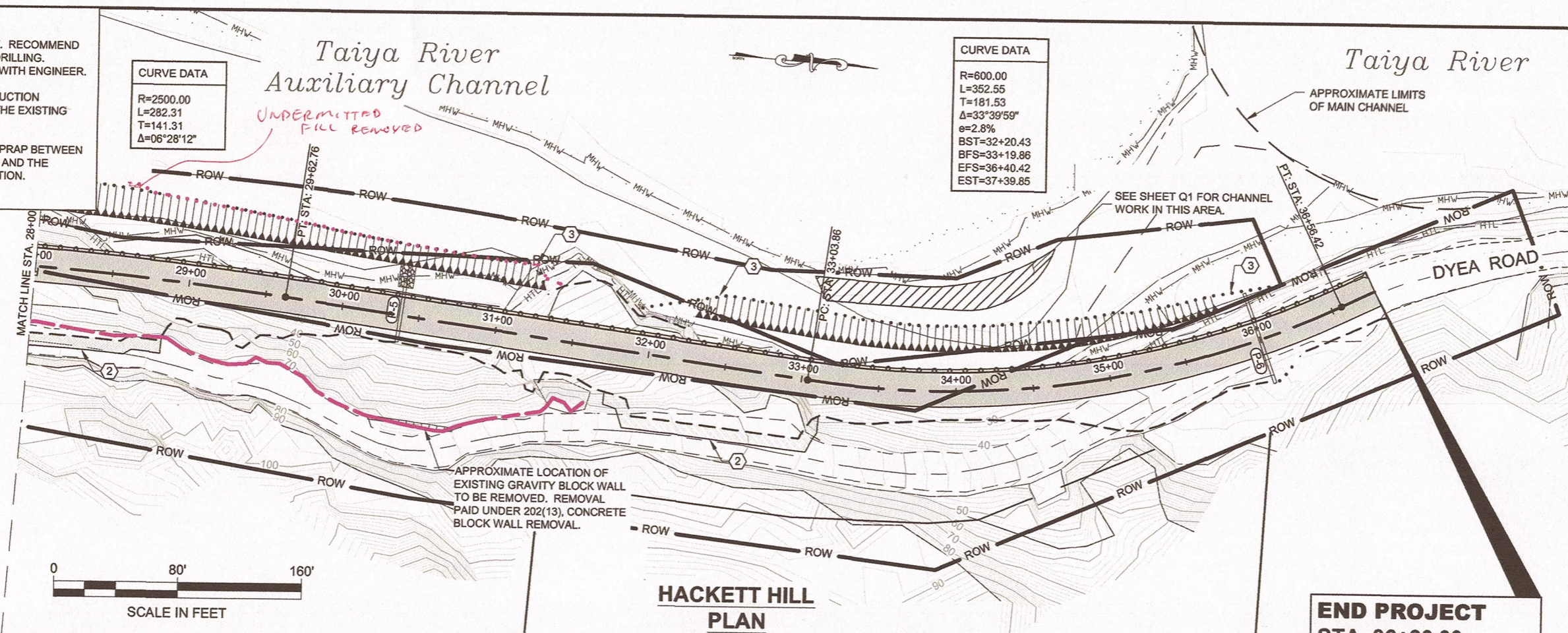
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CURVE DATA	
R=2500.00	
L=282.31	
T=141.31	
$\Delta=06^{\circ}28'12''$	

CURVE DATA	
R=600.00	
L=352.55	
T=181.53	
$\Delta=33^{\circ}39'59''$	
$e=2.8\%$	
BST=32+20.43	
BFS=33+19.86	
EFS=36+40.42	
EST=37+39.85	

LEGEND

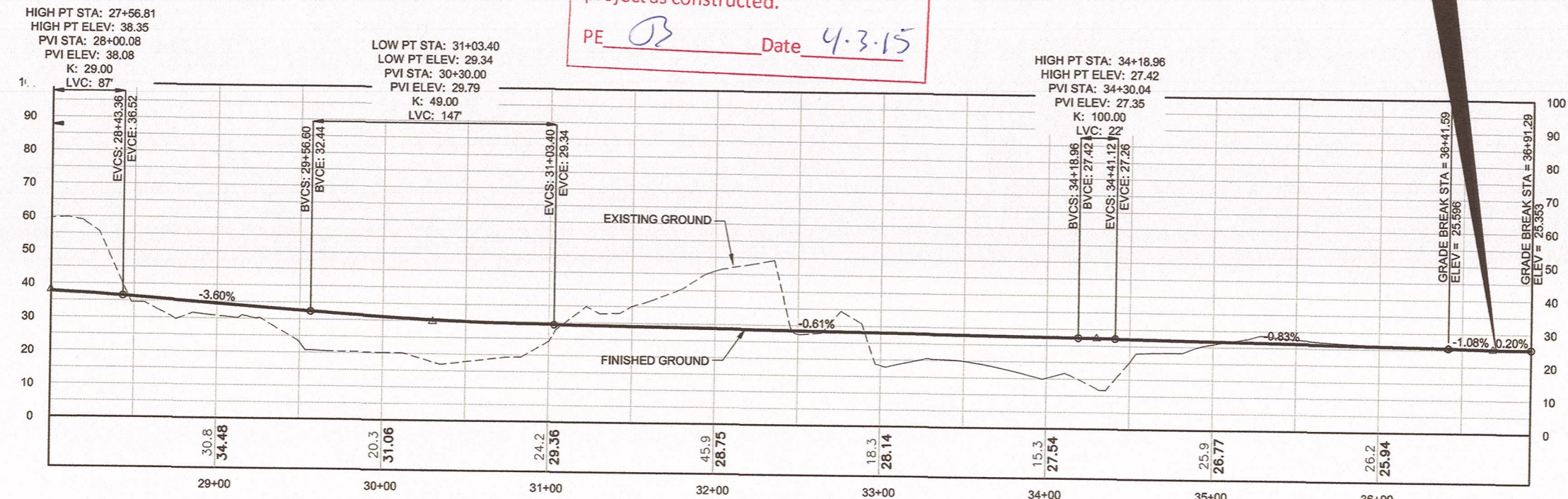
▨ RIPRAP, CLASS I



HACKETT HILL PLAN

END PROJECT
STA. 36+80.00
ELEV. 25.20
MATCH EXISTING ELEVATION

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE OB Date 4.3.15



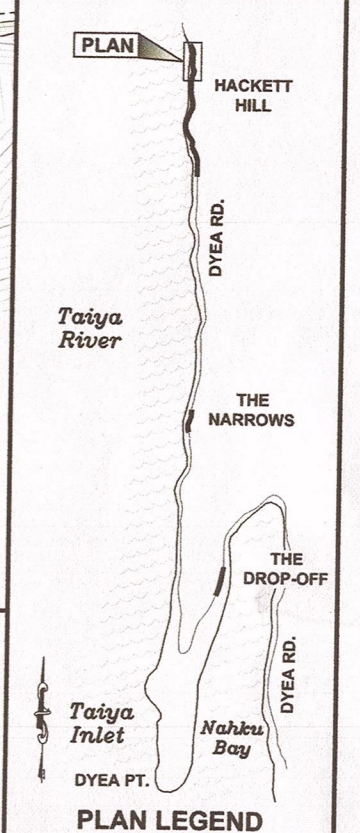
HACKETT HILL PROFILE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: Q:\SGY\67424\ENIF SHEETS SHOWING CONTRACTOR DAYLIGHT LIMITS.DWG

GEARY, NATE (DOT)
 TAB: F5 Monday, September 09, 2013 12:18:22 PM

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: K. KARPSTEIN

DESIGNED BY: N. GEARY
 DRAWN BY: N. GEARY

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

SGY - DYEA ROAD IMPROVEMENTS
 PROJECT # 67424

PLAN & PROFILE

PROJECT DESIGNATION	
HHE-0997(8) ~ 67424	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
F5	27

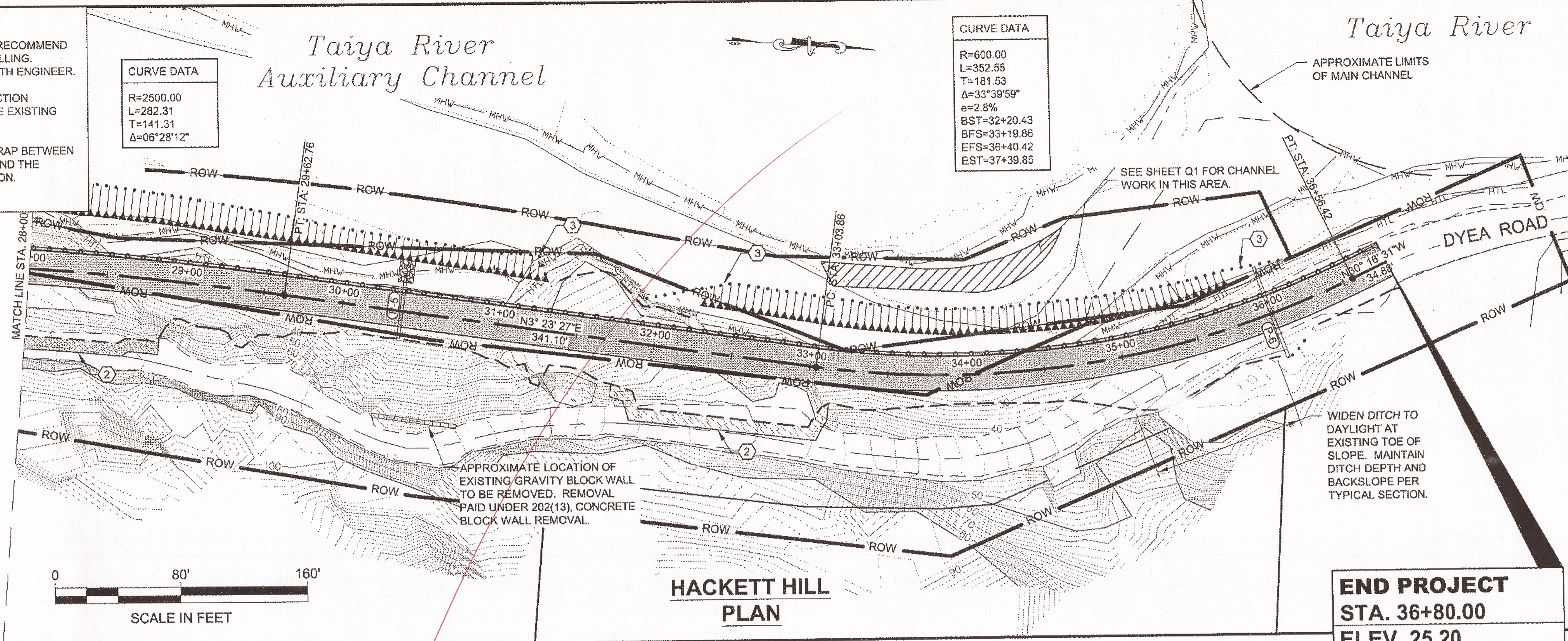
- F-SHEET NOTES:**
- POTENTIAL SOIL CUT. RECOMMEND OVERBURDEN LINE DRILLING. COORDINATE WORK WITH ENGINEER.
 - FULL WIDTH CONSTRUCTION ENCROACHES INTO THE EXISTING ROAD IN THIS AREA.
 - SMOOTHLY TAPER RIPRAP BETWEEN THE EXISTING SLOPE AND THE RIPRAP TYPICAL SECTION.

CURVE DATA
 R=2500.00
 L=282.31
 T=141.31
 Δ=06°28'12"

CURVE DATA
 R=600.00
 L=352.55
 T=181.53
 Δ=33°39'59"
 e=2.8%
 BST=32+20.43
 BFS=33+19.86
 EFS=36+40.42
 EST=37+39.85

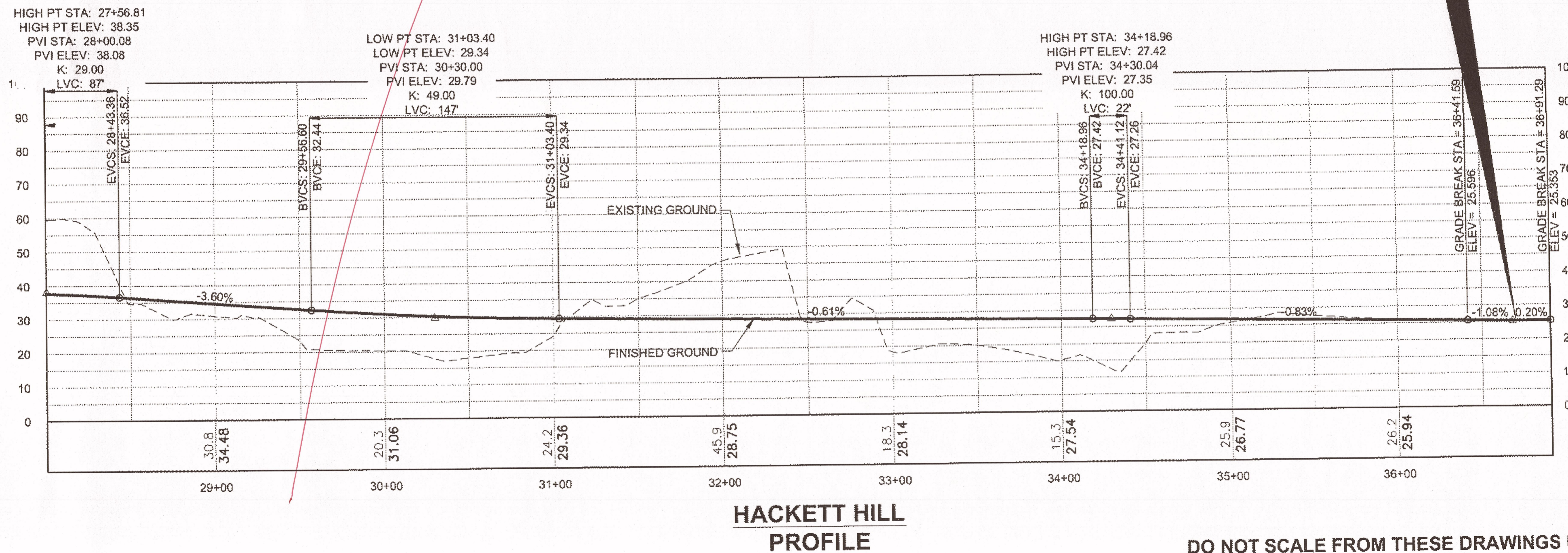
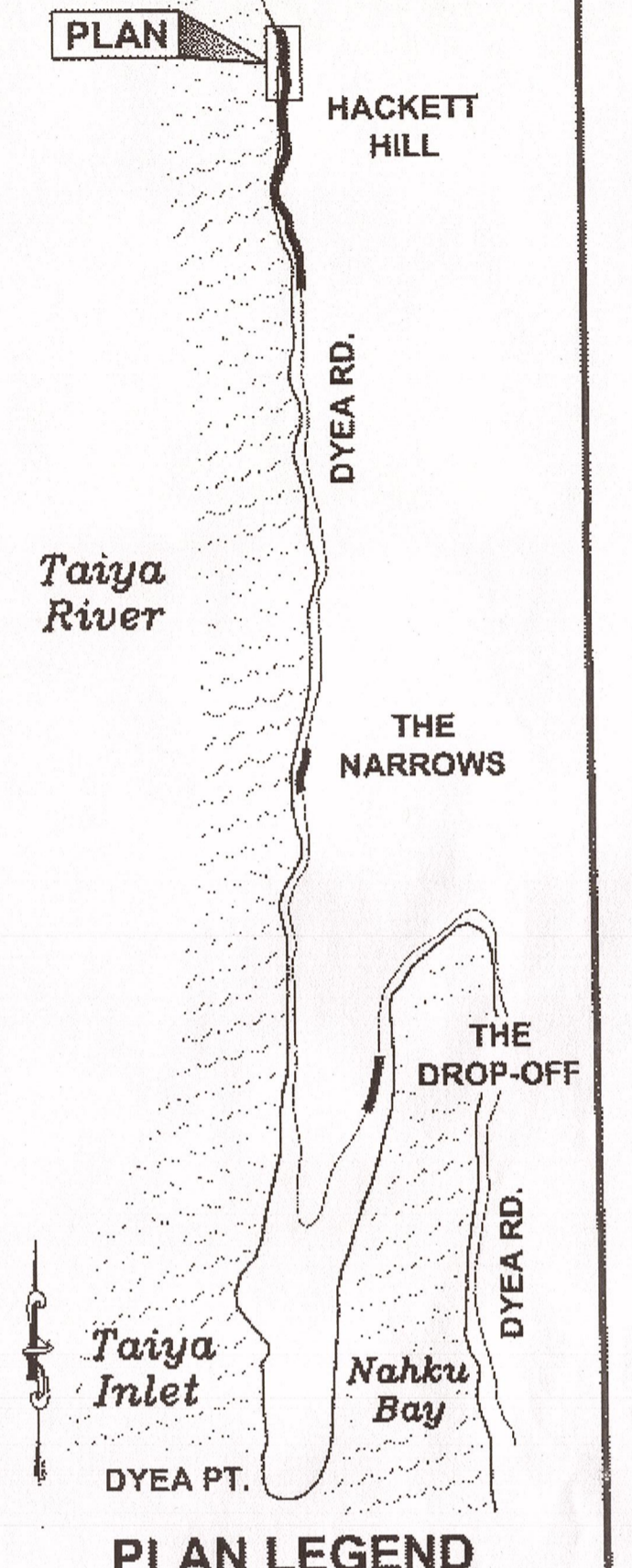
LEGEND

RIPRAP, CLASS I



PATH: Q:\SGY167424\PLANSET\ADDENDUM 11-6-12\67424_F1-F5_P&P (ADDENDUM).DWG
 GEARY, NATE (DOT)
 TAB: F5 Wednesday, November 07, 2012 12:36:55

ADDENDUM NUMBER	4	
ATTACHMENT NUMBER	4	
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: K. KARPSTEIN

DESIGNED BY: N. GEARY
 DRAWN BY: N. GEARY

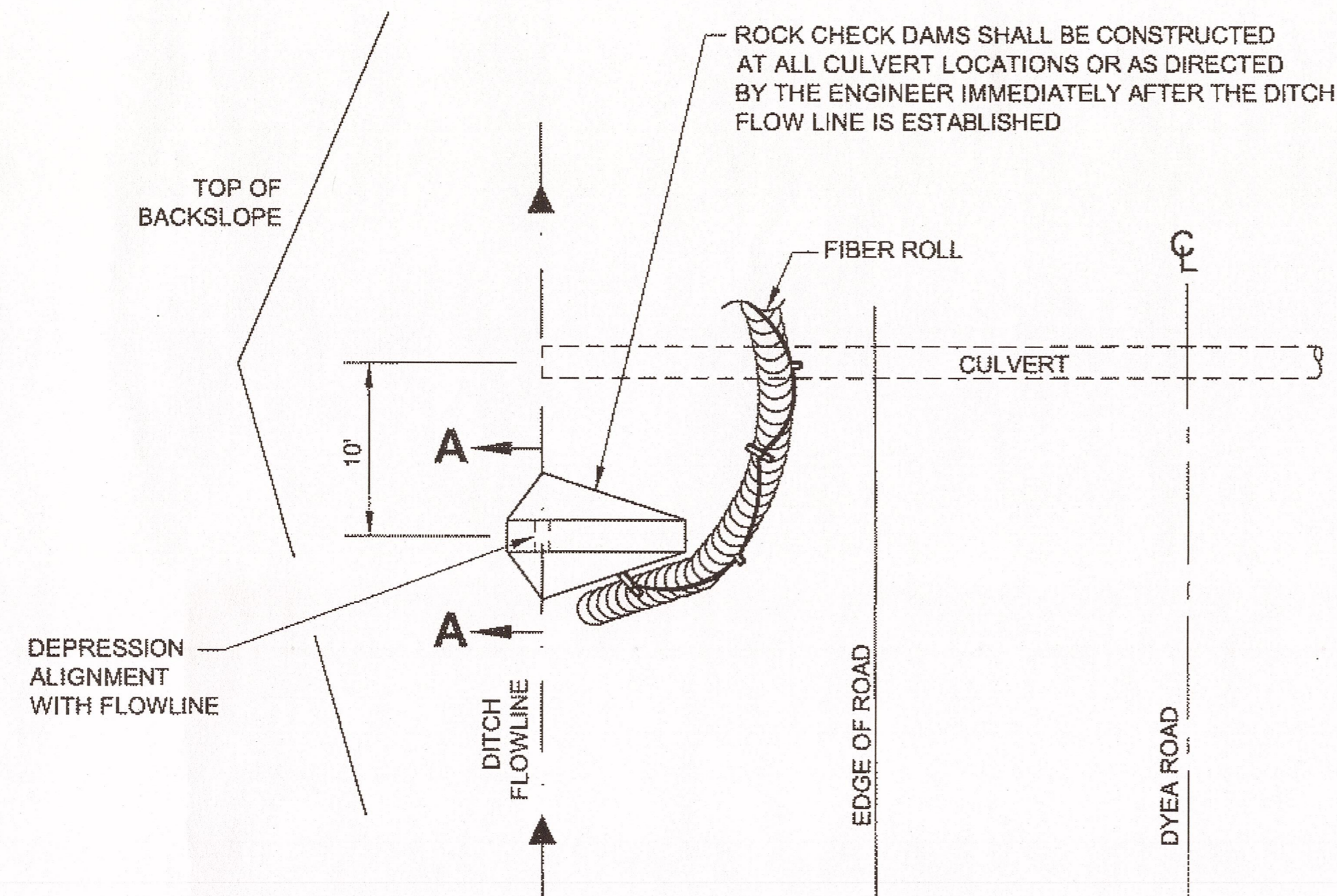
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

SGY - DYE ROAD IMPROVEMENTS PROJECT # 67424

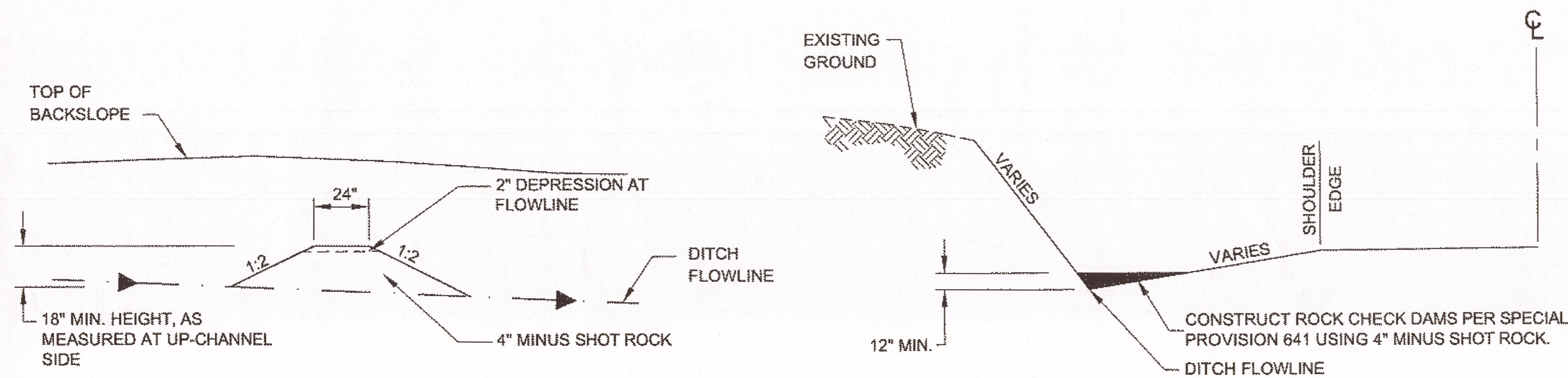
PLAN & PROFILE

PROJECT DESIGNATION	
HHE-0997(8) ~ 67424	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
F5	27

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PLAN
NTS



SECTION A-A
NTS

ELEVATION
NTS

ROCK CHECK DAM DETAILS
NTS

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE *OS* Date 4-3-15

NOTES:

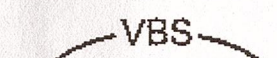

1. INSTALL EROSION AND SEDIMENT CONTROL DEVICES PRIOR TO CULVERT INSTALLATION.
2. MAINTAIN DEVICES. MONITOR DAILY. EXCAVATE CHECK DAMS WHEN 4" OR MORE SEDIMENT IS ACCUMULATED.
3. IF INSPECTION REVEALS CONTAMINATED WATER IS DISCHARGING BEYOND THE PROJECT WORK LIMITS, IMMEDIATELY IMPLEMENT CORRECTIVE ACTION. ADDITIONAL CHECK DAMS OR BMP'S MAY BE REQUIRED.
4. STABILIZE DISTURBED GROUND AS SOON AS POSSIBLE. UNSTABILIZED SURFACES MUST BE TEMPORARILY STABILIZED WITH SEEDING OR OTHER EFFECTIVE MEASURES. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EROSION AND SEDIMENT CONTROL UNTIL PROJECT WORK AREAS ARE GRADED AND SEEDED AREAS HAVE ACHIEVED 70% VEGETATIVE COVER.

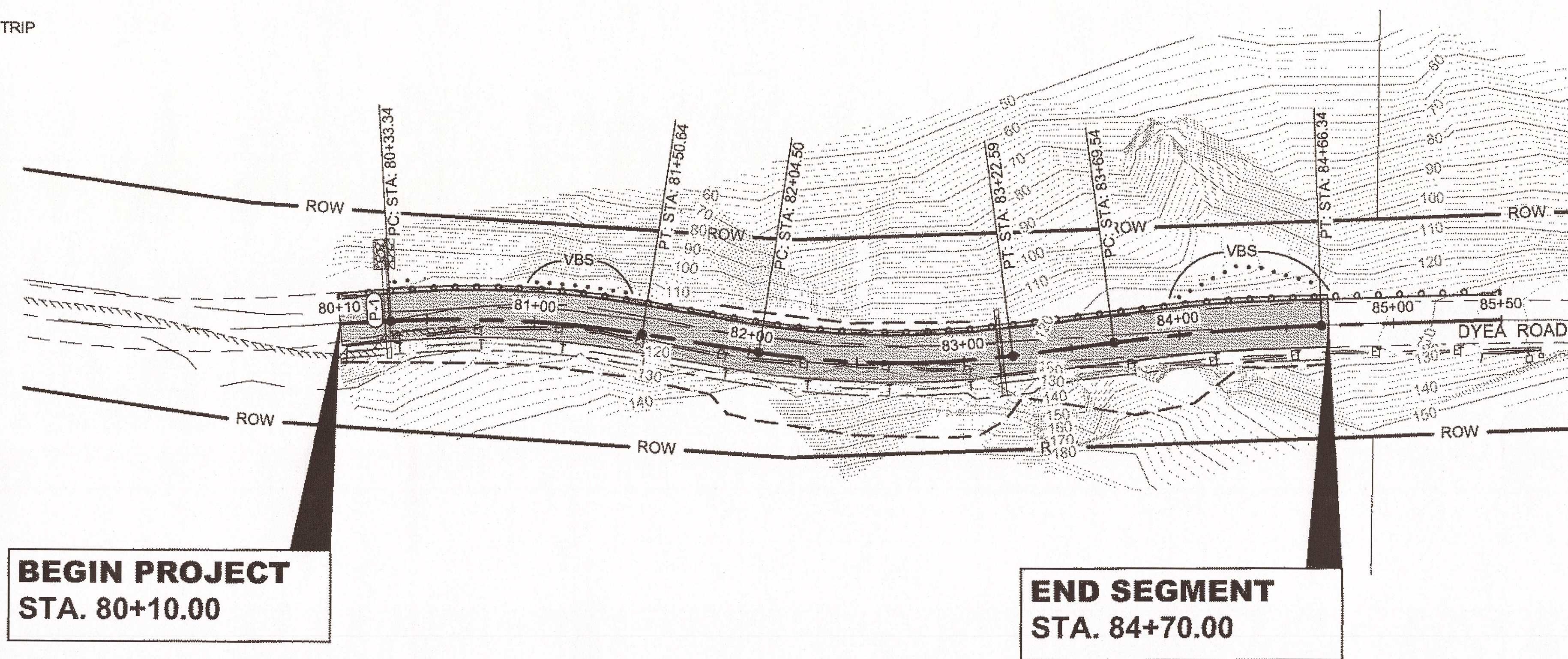
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: K. KARPSTEIN 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION SGY - DYE ROAD IMPROVEMENTS PROJECT # 67424	
DESIGNED BY: N. GEARY DRAWN BY: N. GEARY / R. GRANTHAM		EROSION & POLLUTION CONTROL DETAILS	
PATH: Q:\SGY\67424\PLANSET\67424_P1_ESCP.DWG TAB: P1 Wednesday, August 15, 2012 2:57:27 PM GRANTHAM, RICK L (DOT)		PROJECT DESIGNATION HHE-0997(8)-67424	YEAR 2012
REVISIONS NO. DATE DESCRIPTION	YEAR 2012	SHEET NO. P1	TOTAL SHEETS 27

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

LEGEND

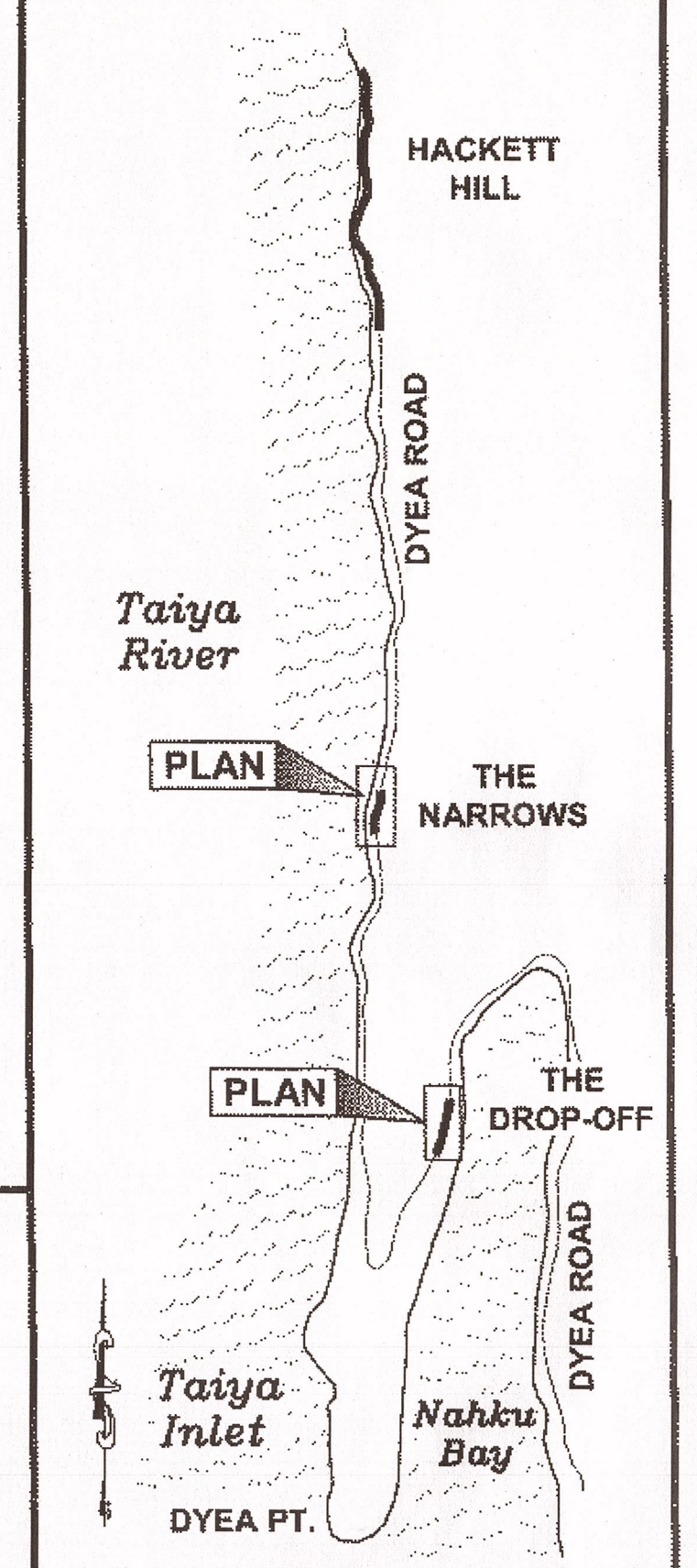
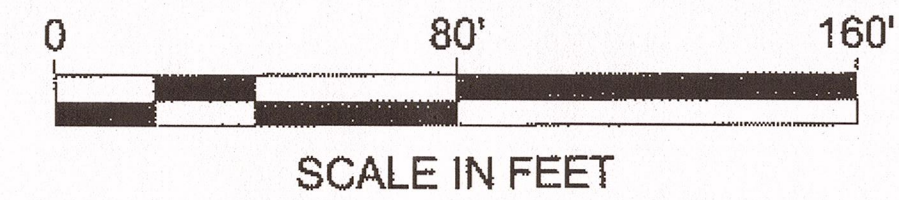
-  VBS VEGETATION BUFFER STRIP
-  RIPRAP, CLASS I



**BEGIN PROJECT
 STA. 80+10.00**

**END SEGMENT
 STA. 84+70.00**

**THE DROP-OFF
 PLAN**



PLAN LEGEND

CHECKED BY: K. KARPSTEIN

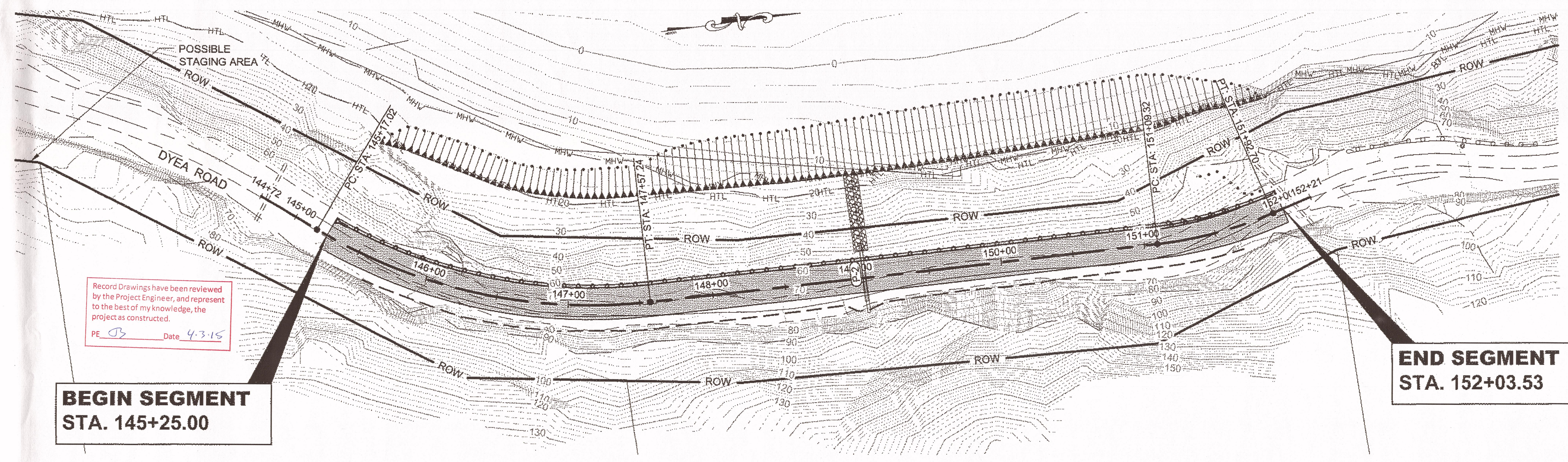
DESIGNED BY: C. IVANISZEK
 DRAWN BY: R. GRANTHAM

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

**SGY - DYE A ROAD
 IMPROVEMENTS
 PROJECT # 67424
 EROSION &
 SEDIMENT
 CONTROL PLANS**

PROJECT DESIGNATION
HHE-0997(8) ~ 67424

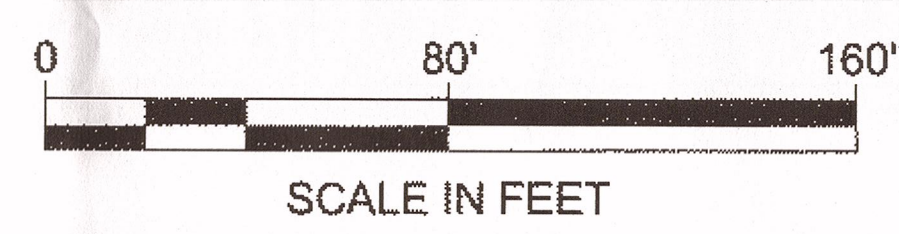
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
P2	27




**BEGIN SEGMENT
 STA. 145+25.00**

**END SEGMENT
 STA. 152+03.53**

**THE NARROWS
 PLAN**

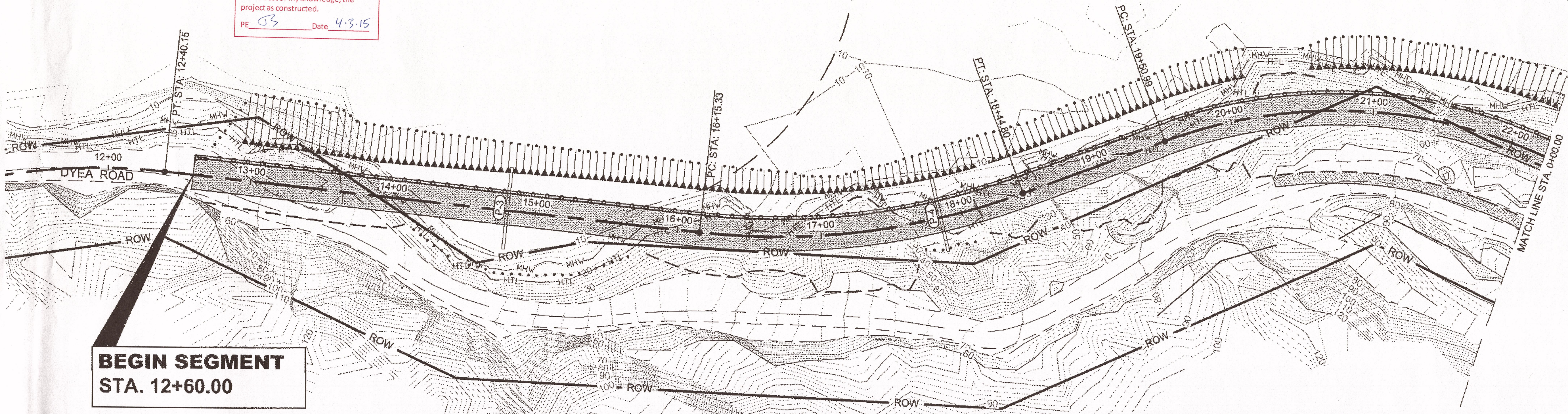


DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE  Date 4.3.15

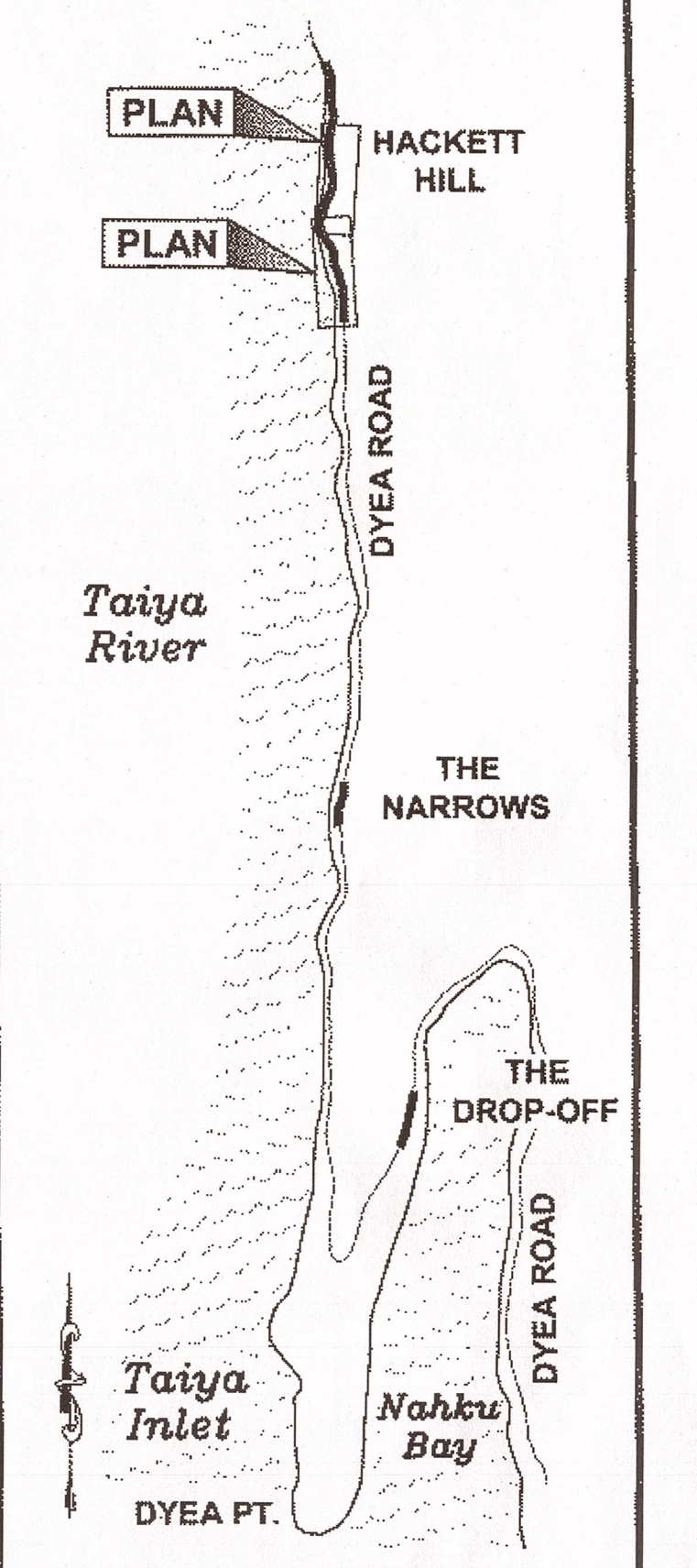
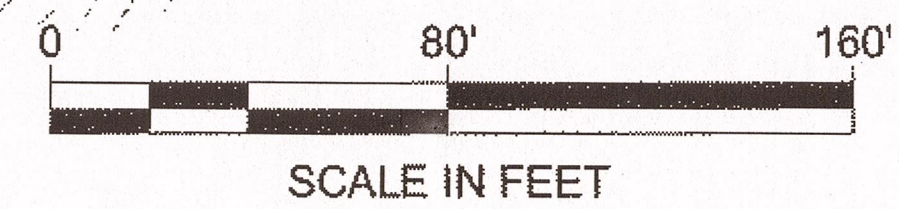
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE GS Date 4.3.15



BEGIN SEGMENT
 STA. 12+60.00

HACKETT HILL
PLAN



PLAN LEGEND

CHECKED BY: K. KARPSTEIN

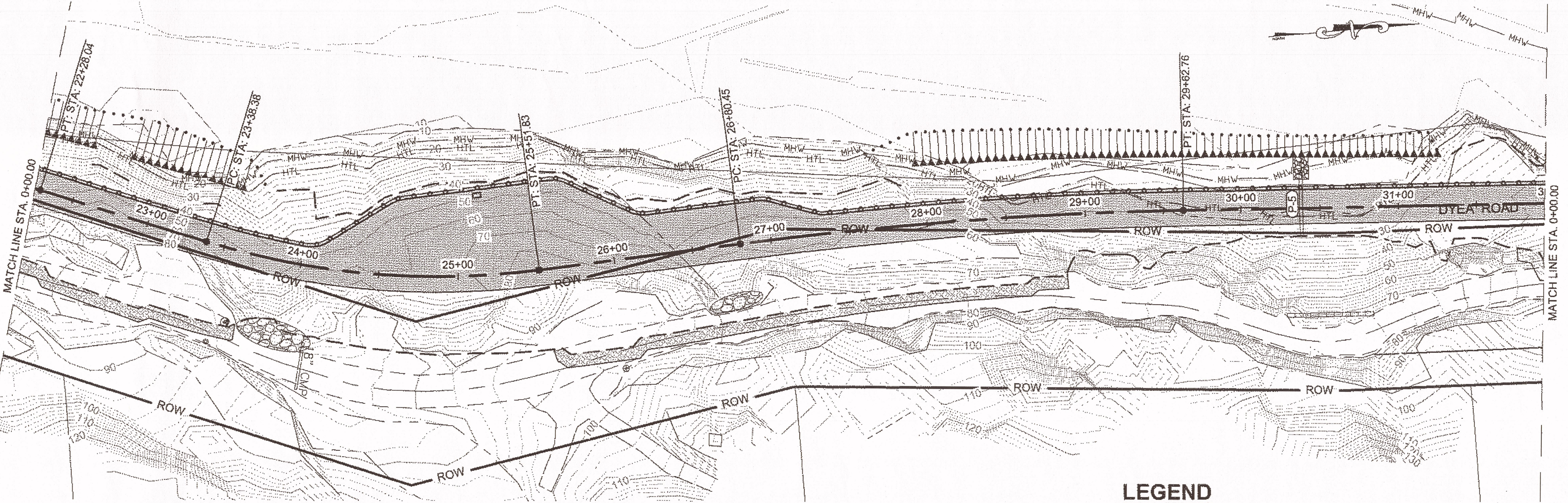
DESIGNED BY: C. IVANISZEK
 DRAWN BY: R. GRANTHAM

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

SGY - DYEA ROAD
 IMPROVEMENTS
 PROJECT # 67424
**EROSION &
 SEDIMENT
 CONTROL PLANS**

PROJECT DESIGNATION
HHE-0997(8) ~ 67424

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
P3	27



LEGEND

RIPRAP, CLASS I

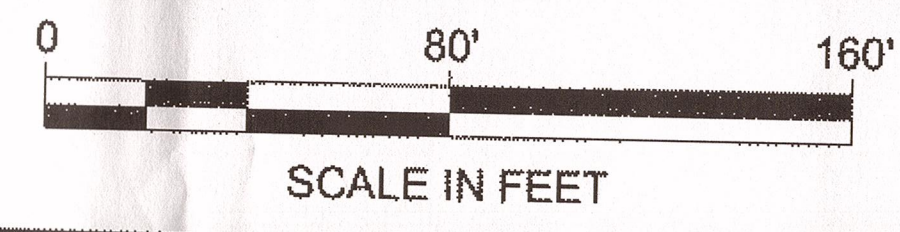
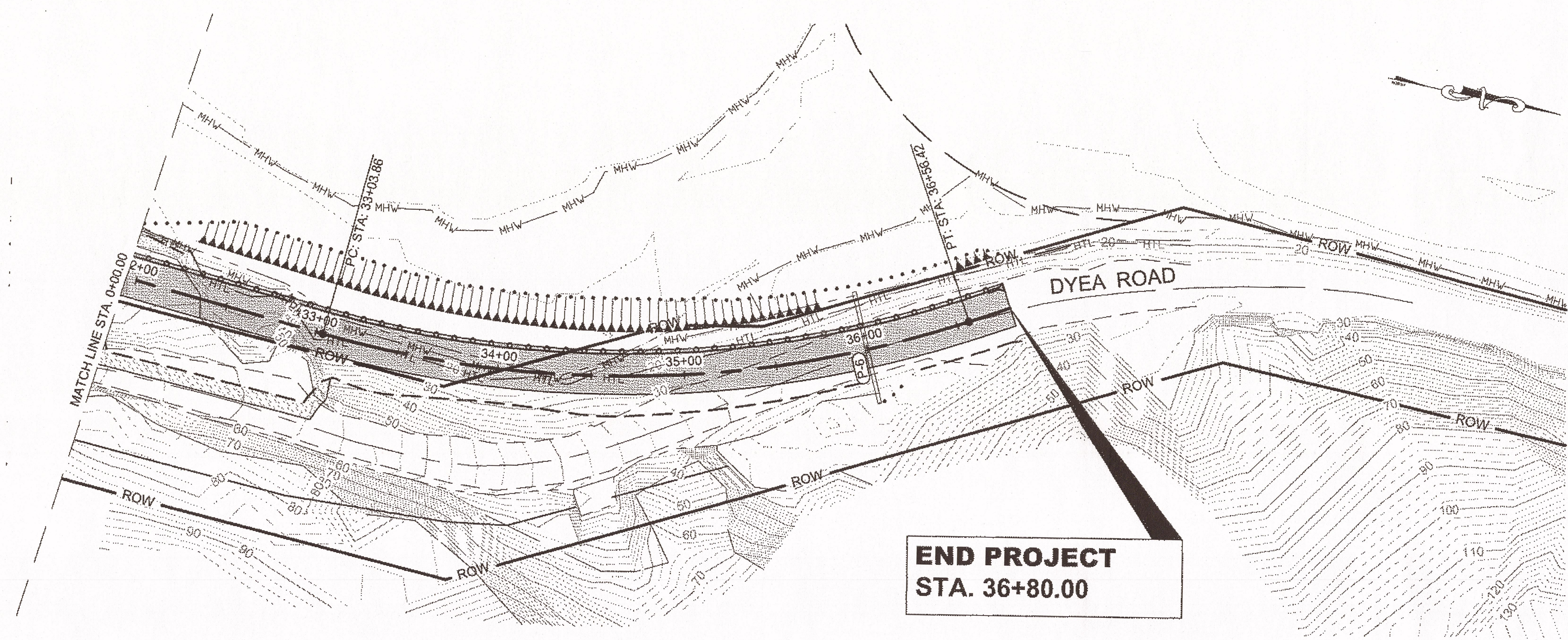
HACKETT HILL
PLAN



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

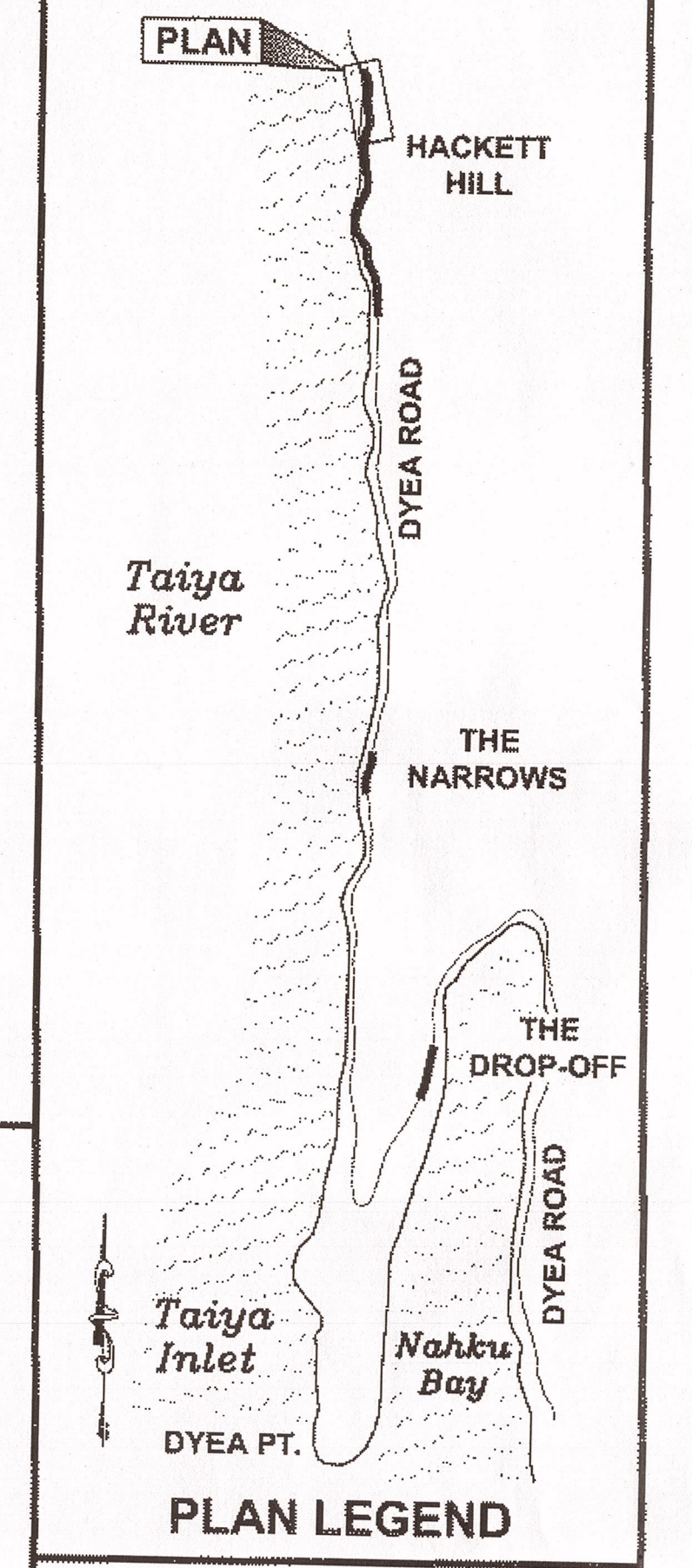
GRANTHAM, RICK L (DOT)
 TAB: P4 Wednesday, August 15, 2012 2:37:41 PM

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



HACKETT HILL PLAN

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *SB* Date *4.3.15*



CHECKED BY: K. KARPSTEIN

DESIGNED BY: C. IVANISZEK
 DRAWN BY: R. GRANTHAM

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

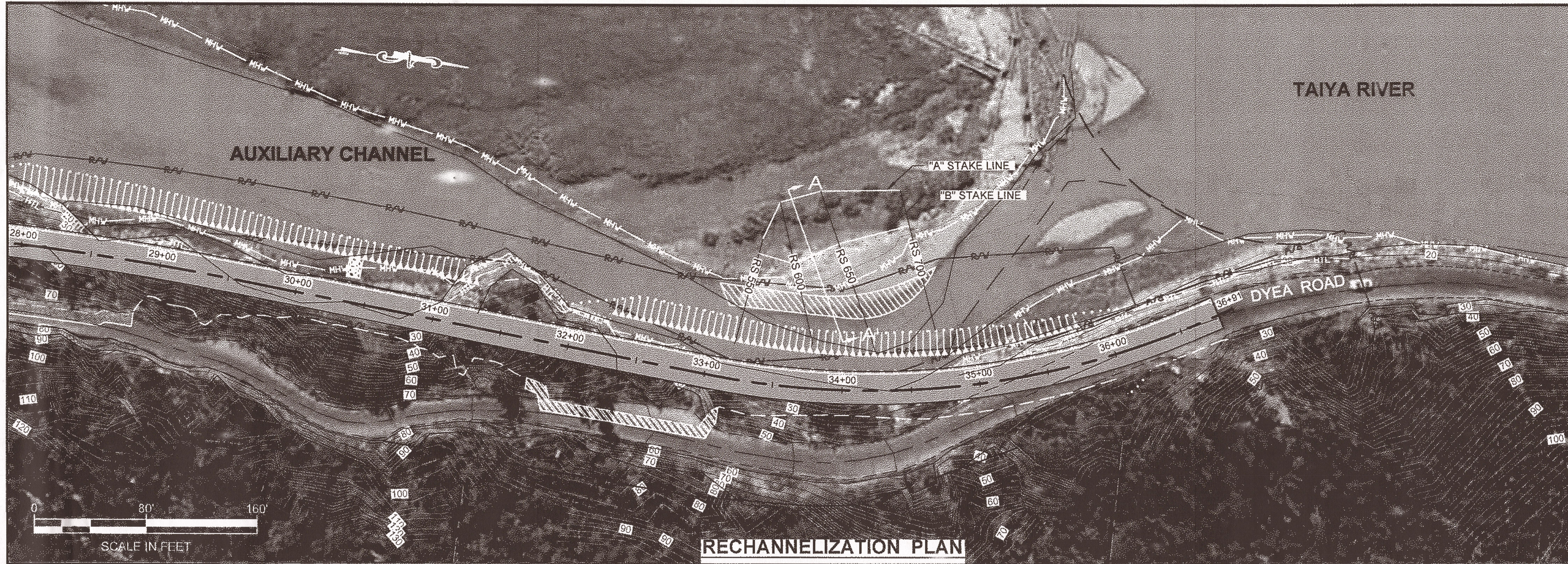
SGY - DYEYEA ROAD IMPROVEMENTS PROJECT # 67424
EROSION & SEDIMENT CONTROL PLANS

PROJECT DESIGNATION
HHE-0997(8) ~ 67424

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
P4	27

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PATH: Q:\SGY\67424\PLANS\67424_Q1_HACKETT CHANNEL.DWG

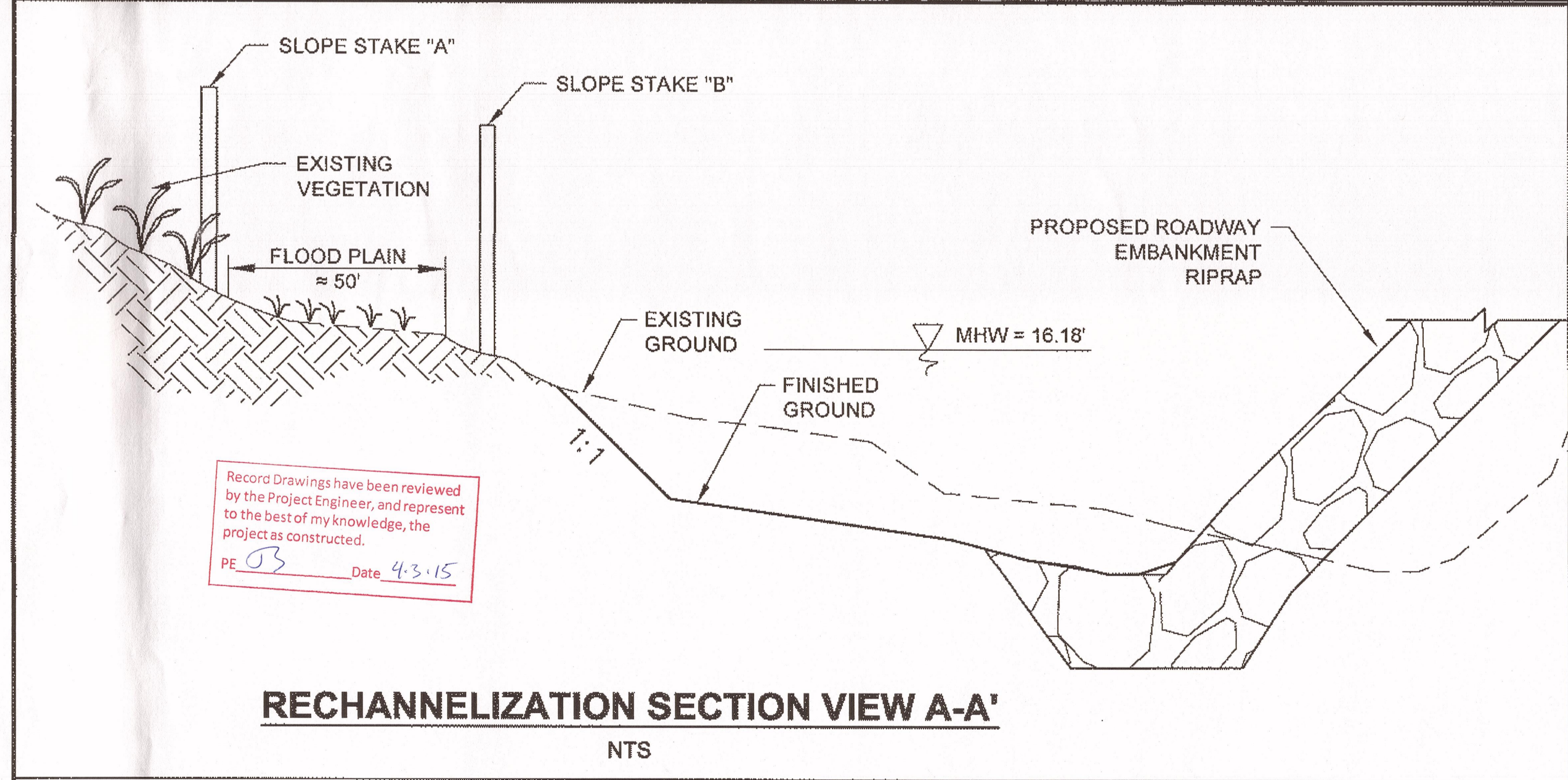
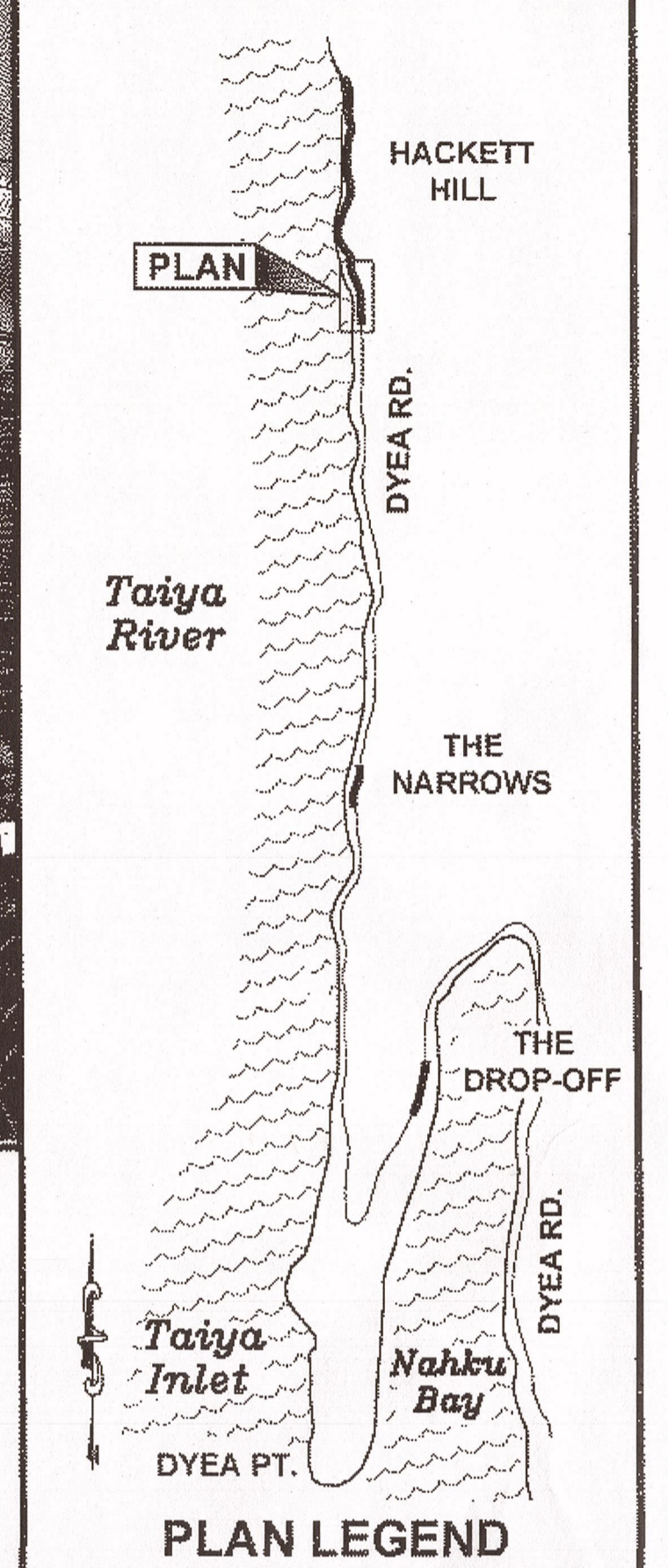
GRANTHAM, RICK L (DOT)
 TAB: Q1 Friday, August 17, 2012 1:28:15 PM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE *OB* Date 4.3.15

RECHANNELIZATION SECTION VIEW A-A'
 NTS

Alignment Stake Coordinate Information

	RS 550			RS 600			RS 650			RS 700		
	East	North	Elev, ft	East	North	Elev, ft	East	North	Elev, ft	East	North	Elev, ft
"A" Stake	45239.73	116319.17	--	45211.88	116327.86	--	45199.88	116355.57	--	45191.36	116412.21	17.57
"B" Stake	45250.96	116317.72	16.48	45254.89	116344.03	16.70	45236.13	116373.54	17.00	45216.23	116422.03	--

Offset Table for River Sections 550 through 700

RS 550		RS 600		RS 650		RS 700	
Offset Distance from "A" stake, ft	Elev, ft	Offset Distance from "A" stake, ft	Elev, ft	Offset Distance from "A" stake, ft	Elev, ft	Offset Distance from "A" stake, ft	Elev, ft
79.2	28.0	106.1	28.0	122.8	28.0	104.9	28.0
78.5	27.8	103.7	26.5	118.8	25.4	102.7	26.5
65.2	19.1	101.6	25.1	109.0	19.2	90.6	18.7
60.2	15.8	93.2	19.7	100.6	11.7	82.4	12.9
56.1	13.1	84.1	11.0	88.1	12.8	80.7	13.0
52.8	10.1	75.1	13.0	66.6	13.0	70.7	13.1
50.1	11.5	58.1	13.3	47.8	16.3	47.3	13.6
30.9	13.0	45.1	14.5	33.2	17.0	35.2	15.0
21.6	13.5	32.4	16.7	25.0	17.1	20.2	16.4
6.6	15.5	29.4	16.8	6.2	17.2	3.2	16.8
0.0	16.7	0.0	17.1	0.0	17.0	0.0	17.2

CHECKED BY: K. KARPSTEIN

DESIGNED BY: N. GEARY
 DRAWN BY: N. GEARY / R. GRANTHAM

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

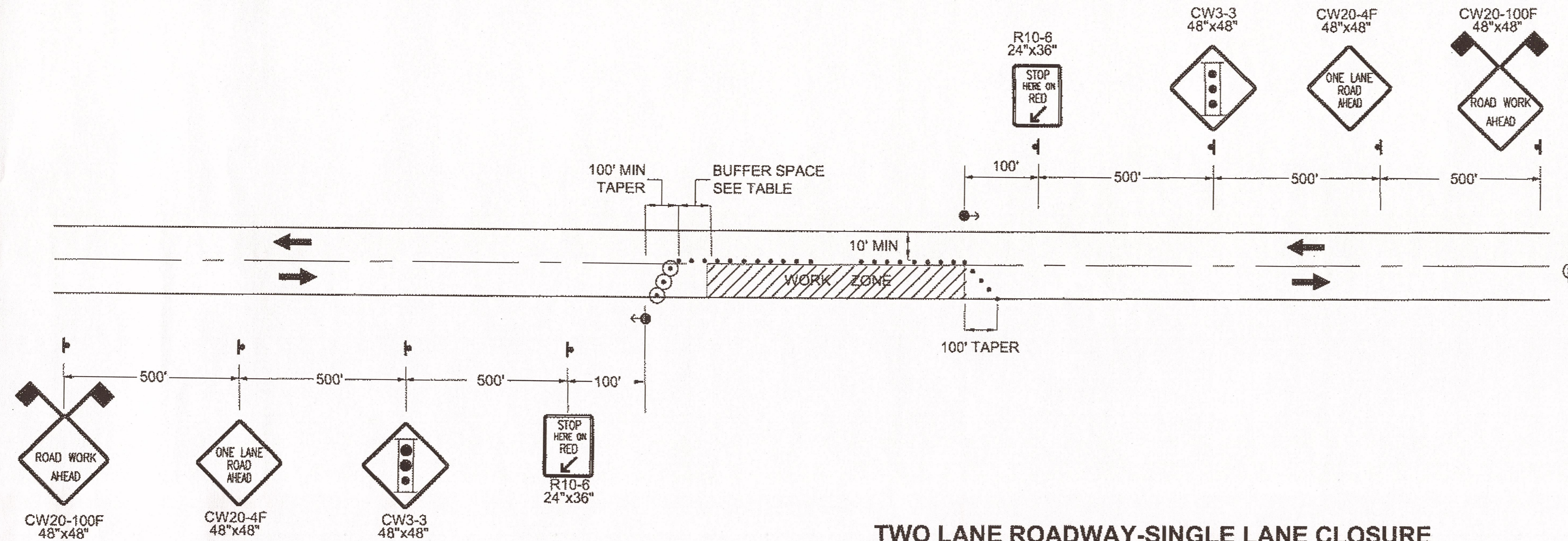
SGY - DYEA ROAD IMPROVEMENTS PROJECT # 67424

HACKETT HILL RECHANNELIZATION

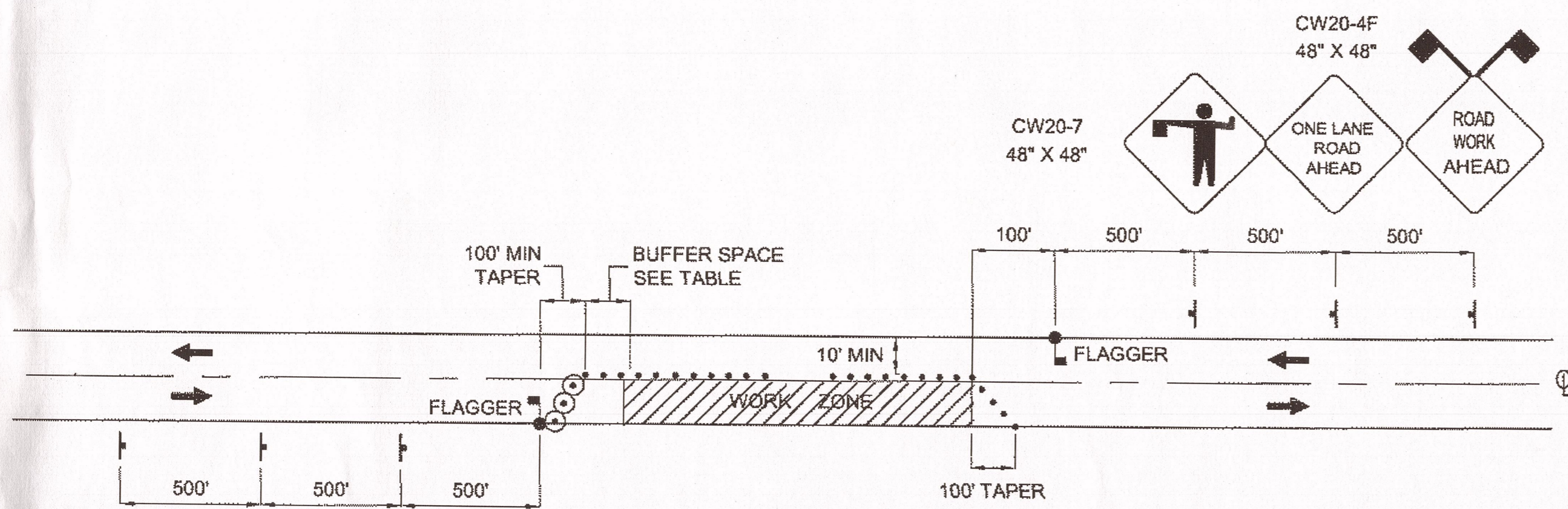
PROJECT DESIGNATION
HHE-0997(8) ~ 67424

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
Q1	27

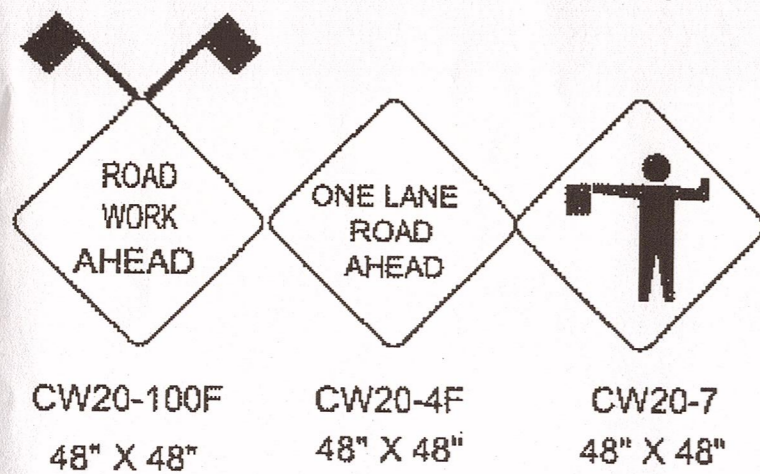
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



**TWO LANE ROADWAY-SINGLE LANE CLOSURE
SIGNAL CONTROL**
NTS



NOTE: ADDITIONAL FLAGGER IS REQUIRED AT INTERSECTIONS REMAINING OPEN WITHIN THE WORK AREA.



**TWO LANE ROADWAY-SINGLE LANE CLOSURE
FOR CLOSURES LESS THAN 12 HRS**
NTS

LEGEND

- ◻ TEMPORARY SIGNAL
- FLAGGER
- ⚡ CONSTRUCTION SIGN
- DRUMS
- CONCRETE BARRIER
- WATER FILLED BARRIER
- ⚡ HIGH LEVEL WARNING DEVICE
- ▨ WORK AREA

S = POSTED SPEED LIMIT = 40 MPH
DRUM OR CONE SPACING = S (IN FEET)

MIN. BUFFER	
S	LENGTH
20	35
25	55
30	85
35	120
40	170
45	220
50	280
55	335
60	415
65	485

TRAFFIC CONTROL NOTES

- MINIMUM OF ONE LANE SHALL REMAIN OPEN AT ALL TIMES IN WORK AREAS EXCEPT AS OTHERWISE SPECIFIED IN SECTION 643 OF THE SPECIAL PROVISIONS.
- TEMPORARY DRIVING LANES SHALL HAVE A MINIMUM WIDTH OF 10'-0".
- CONSTRUCTION SIGNING SHALL BE IN PLACE ONLY WHEN THE CONDITIONS EXIST FOR WHICH THE SIGNS ARE INTENDED.
- WARNING LIGHTS SHALL BE USED TO MARK BARRICADES, PORTABLE BARRIERS OR ANY OTHER CHANNELIZING DEVICE AT NIGHT AS DIRECTED BY THE ENGINEER. THE FIRST DEVICE FACING THE DIRECTION OF TRAFFIC SHALL BE EQUIPPED WITH A FLASHING WARNING LIGHT, ALL OTHERS SHALL BE EQUIPPED WITH STEADY-BURN WARNING LIGHTS.
- IT IS THE INTENT OF THIS TRAFFIC CONTROL PLAN (TCP) TO ILLUSTRATE SOME, NOT ALL, OF THE TRAFFIC CONTROL SETUPS WHICH WILL BE REQUIRED ON THIS PROJECT. PLANS FOR CONFIGURATIONS NOT COVERED BY THE TCP SHALL BE CREATED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL. WHERE APPROPRIATE, THEY SHALL INCORPORATE APPLICABLE DETAILS FROM THESE SHEETS.
- ALL TRAFFIC CONTROL PLANS SUBMITTED BY THE CONTRACTOR SHALL BE NUMBERED. ALL TRAFFIC CONTROL PLANS THAT USE A TYPICAL APPLICATION AS DESCRIBED IN THE MUTCD SHALL REFERENCE THE TYPICAL APPLICATION. EXAMPLE: TCP 3, MUTCD TA-10.
- THE CONTRACTOR SHALL PROVIDE ACCESS THROUGH THE PROJECT TO EMERGENCY VEHICLES AT ALL TIMES.
- TEMPORARY SIGNAL CONTROLS WILL BE COVERED UP OR REMOVED WHEN THEY ARE NOT IN USE.

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the projects constructed.
PE *BS* Date 4-3-15

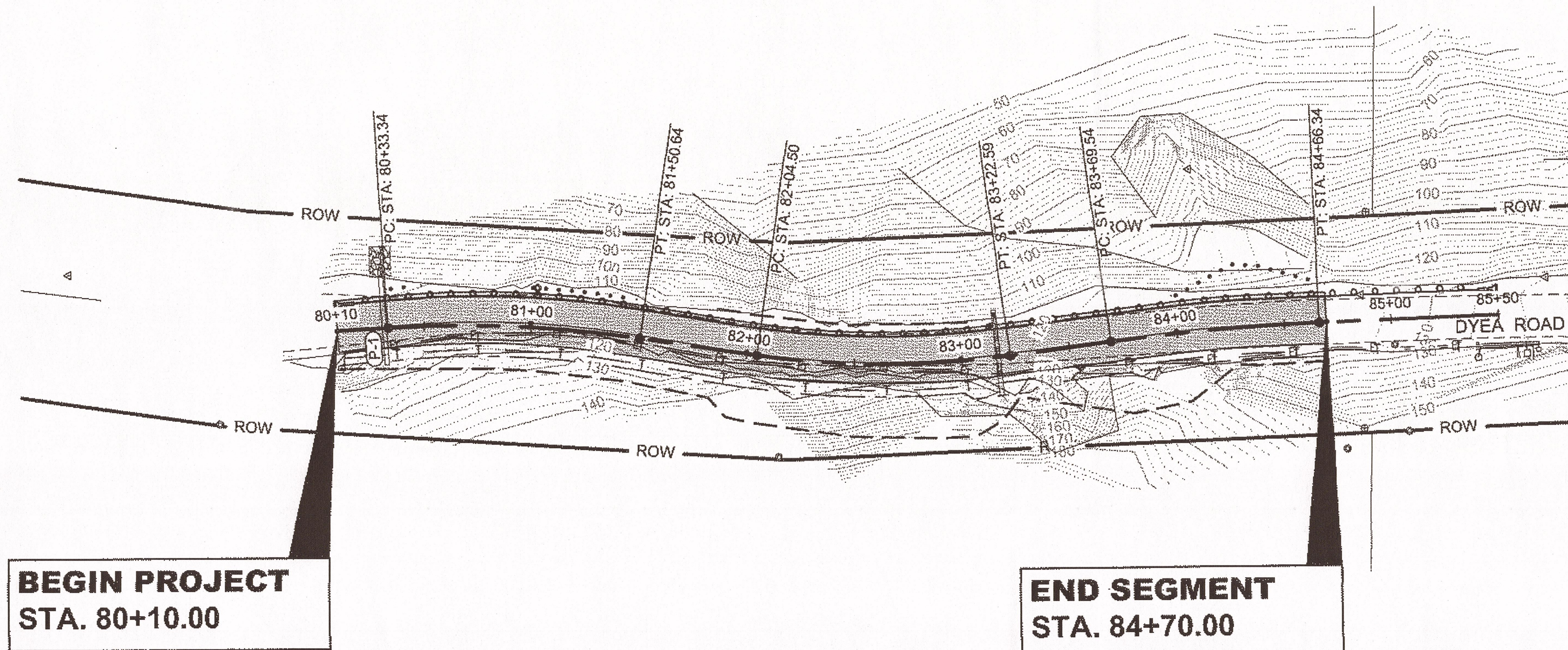
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: DAVID BRUCE EPSTEIN		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION				
DESIGNED BY: N. GEARY		SGY - DYEA ROAD IMPROVEMENTS PROJECT # 67424				
DRAWN BY: R. GRANTHAM						
PATH: Q:\SGY167424\PLANSET\67424_T1-T2_TRAF_CTL.DWG		TRAFFIC CONTROL PLAN				
TAB: T1 Wednesday, August 15, 2012 2:59:59 PM GRANTHAM, RICK L (DOT)						
REVISIONS		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS	
NO.	DATE	DESCRIPTION	HHE-0997(8)-67424	2012	T1	27

NOTE: SEE SECTION 643 OF THE SPECIAL PROVISIONS FOR DETAILED CONSTRUCTION SEQUENCING

LEGEND

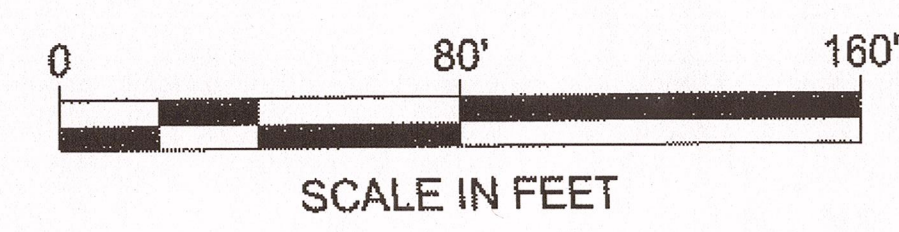
 RIPRAP, CLASS I



**BEGIN PROJECT
STA. 80+10.00**

**END SEGMENT
STA. 84+70.00**

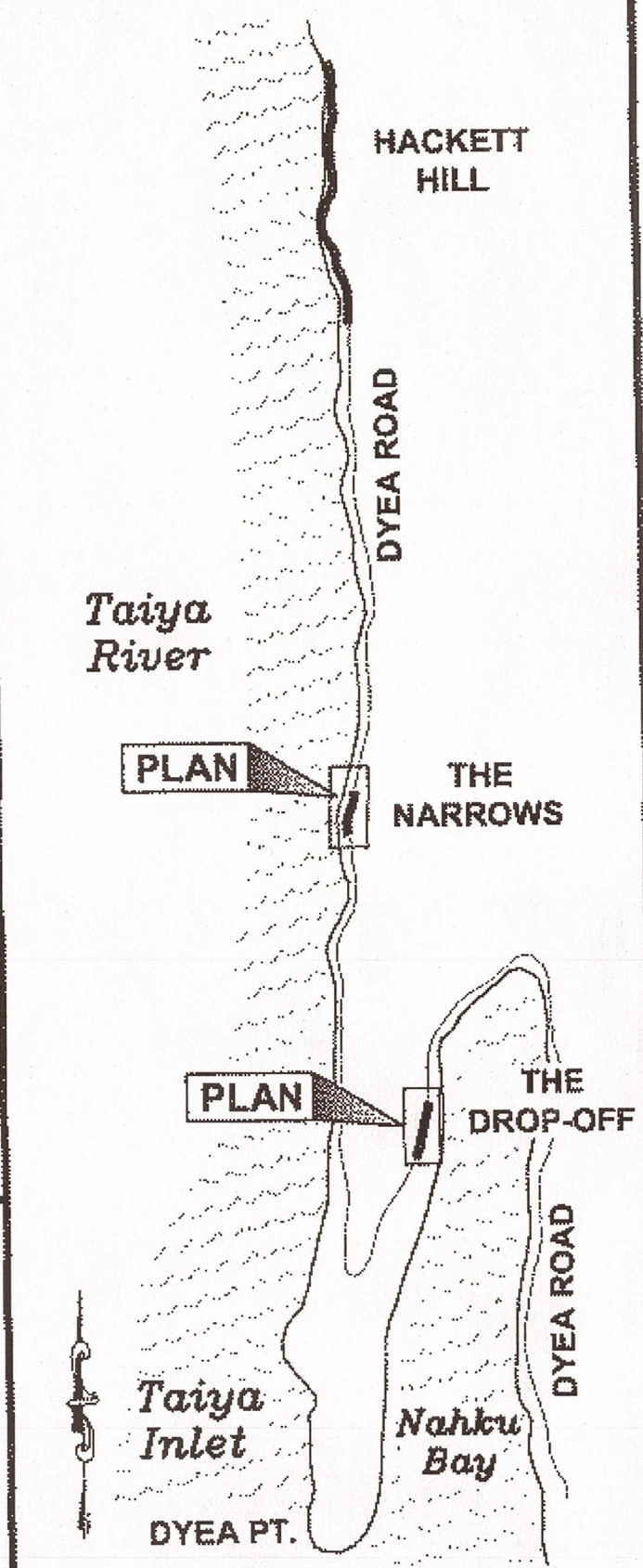
**PHASE I
THE DROP-OFF
PLAN**



PATH:Q:\SGY\67424\PLANSET\67424_T3-T5_TRAF CTL.DWG

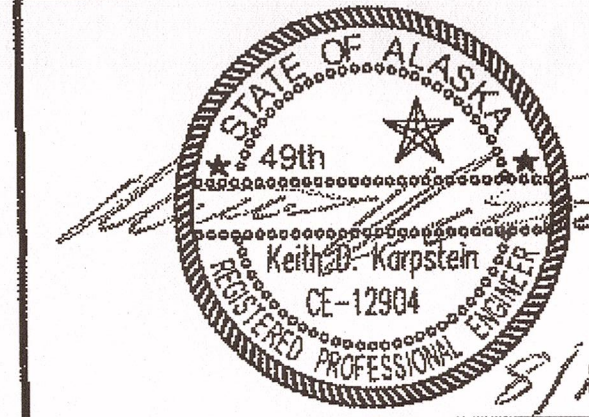
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TAB: T3 Wednesday, August 15, 2012 4:56:11 PM

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: C. MOREHOUSE



DESIGNED BY: C. MOREHOUSE

DRAWN BY: R. GRANTHAM

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

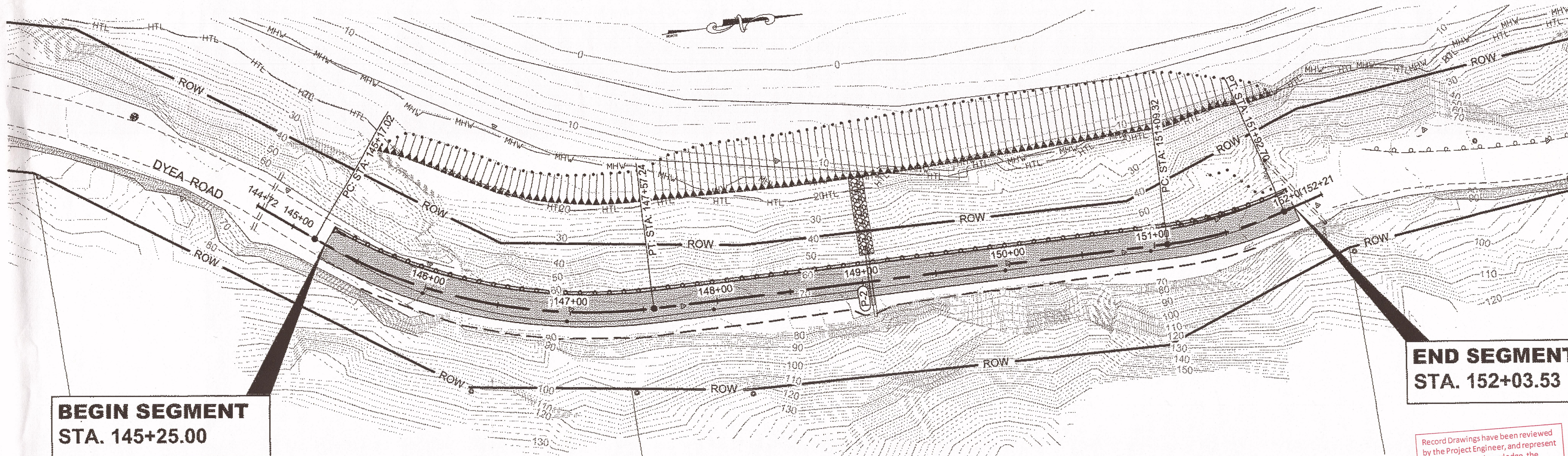
SGY - DYE A ROAD
IMPROVEMENTS
PROJECT # 67424

**CONSTRUCTION
SEQUENCING
PLANS**

PROJECT DESIGNATION
HHE-0997(8) ~ 67424

STATE	YEAR
ALASKA	2012

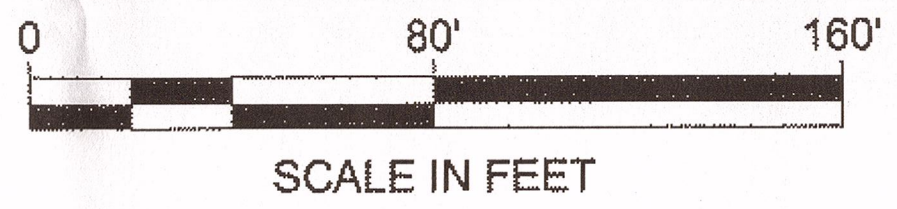
SHEET NUMBER	TOTAL SHEETS
T3	27



**BEGIN SEGMENT
STA. 145+25.00**

**END SEGMENT
STA. 152+03.53**

**PHASE III
THE NARROWS
PLAN**



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE *DS* Date 4-3-15

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

NOTE: SEE SECTION 643 OF THE SPECIAL PROVISIONS FOR DETAILED CONSTRUCTION SEQUENCING

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE 03 Date 4-3-15

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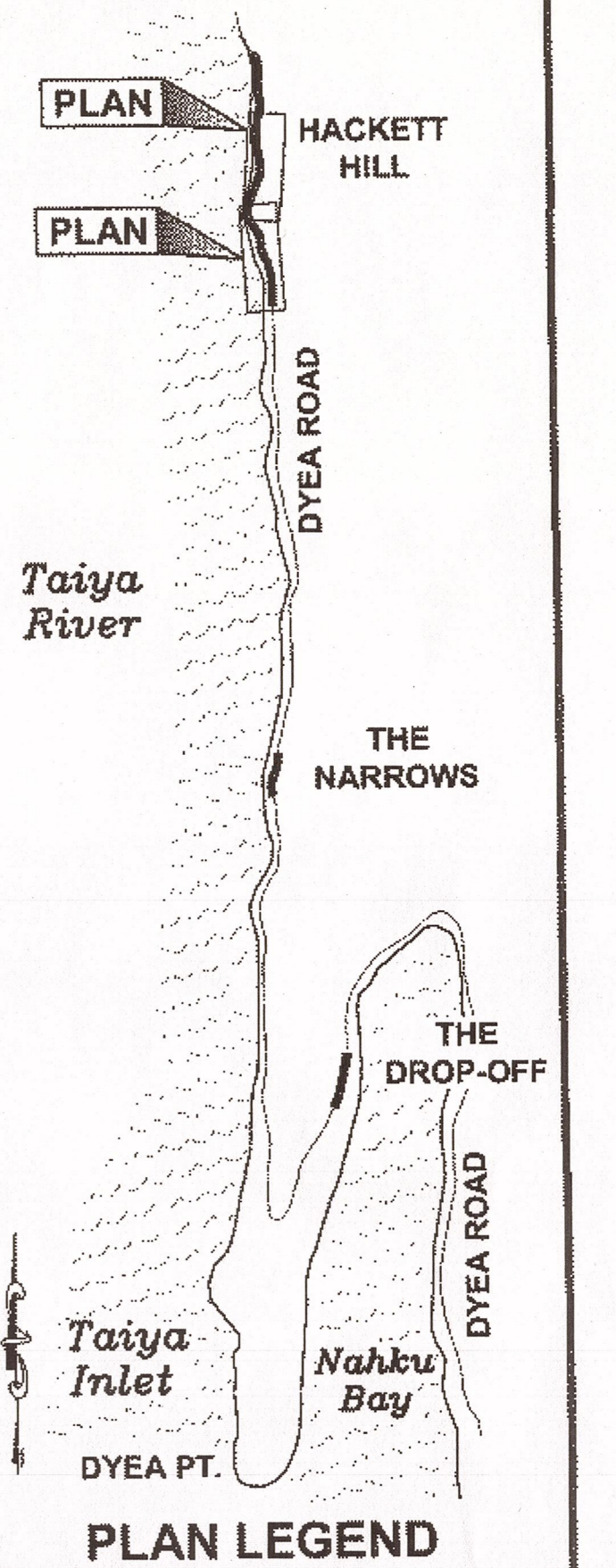
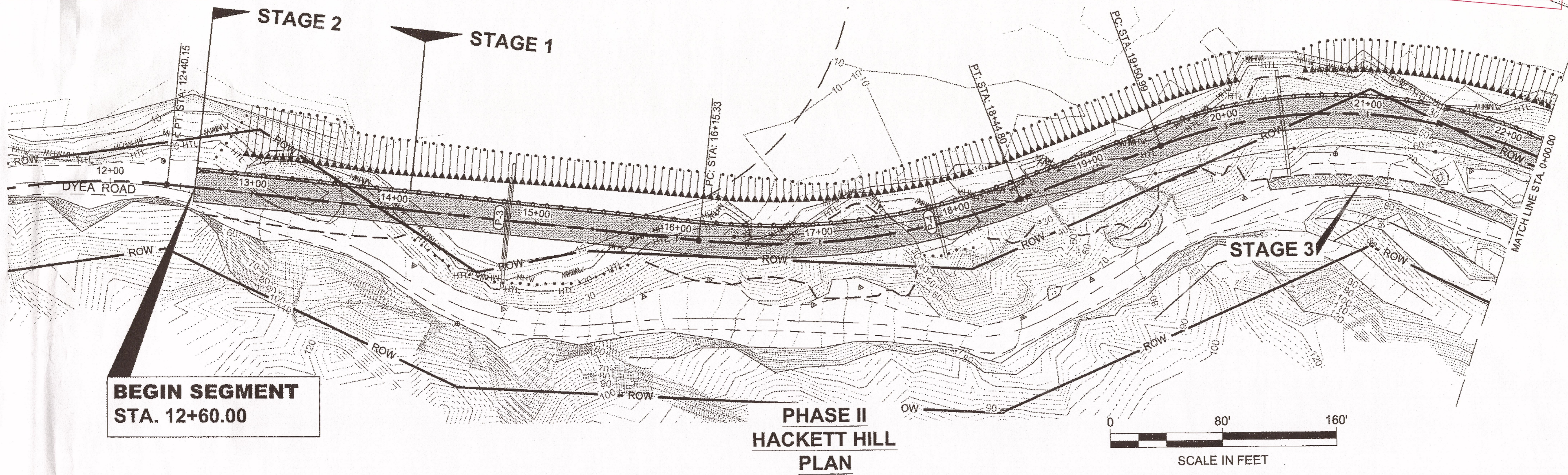
GRANTHAM, RICK L (DOT)
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ADDENDUM NUMBER

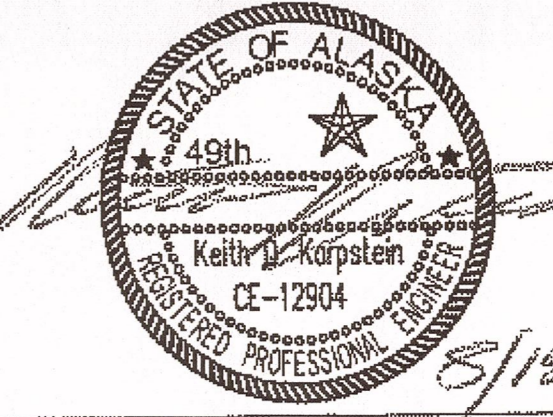
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



CHECKED BY: C. MOREHOUSE



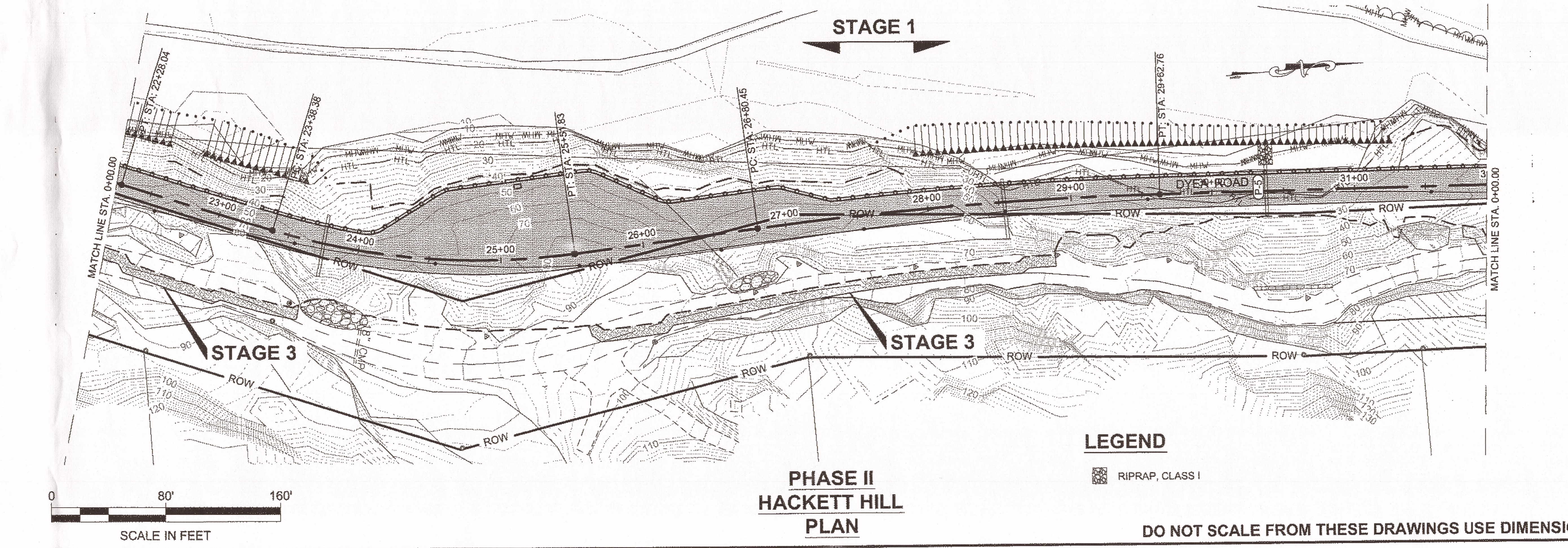
DESIGNED BY: C. MOREHOUSE
 DRAWN BY: R. GRANTHAM

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

SGY - DYEA ROAD IMPROVEMENTS
 PROJECT # 67424
CONSTRUCTION SEQUENCING PLANS

PROJECT DESIGNATION
HHE-0997(8) ~ 67424

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
T4	27



LEGEND

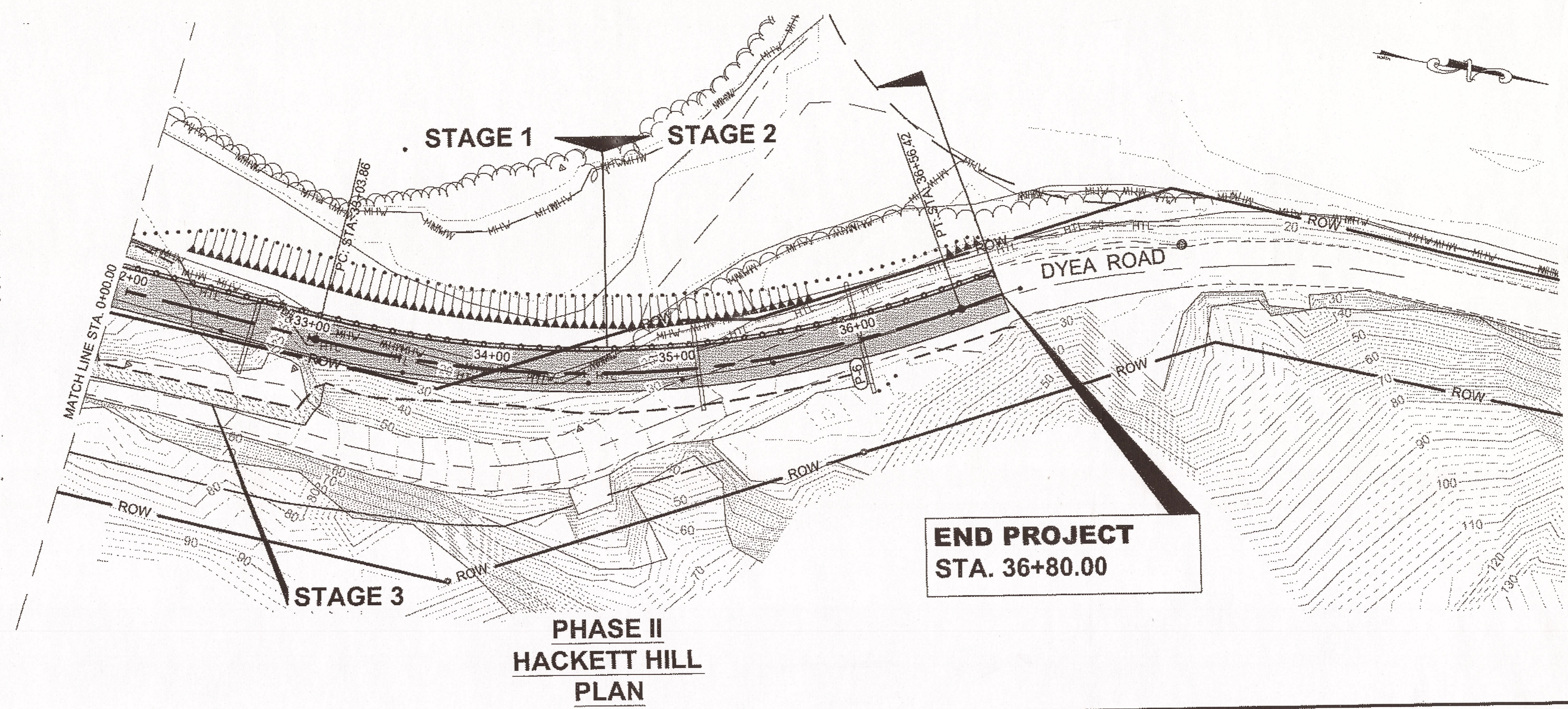
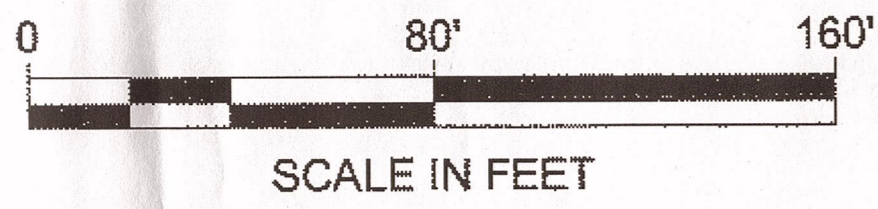
RIPRAP, CLASS I

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

NOTE: SEE SECTION 643 OF THE SPECIAL PROVISIONS FOR DETAILED CONSTRUCTION SEQUENCING

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE OB Date 4.3.15

an reviewed and represent to the best of my knowledge, the project as constructed.
 Date _____



PATH:Q:\SGY\67424\PLANS\107424_10-12_10\CTL.DWG

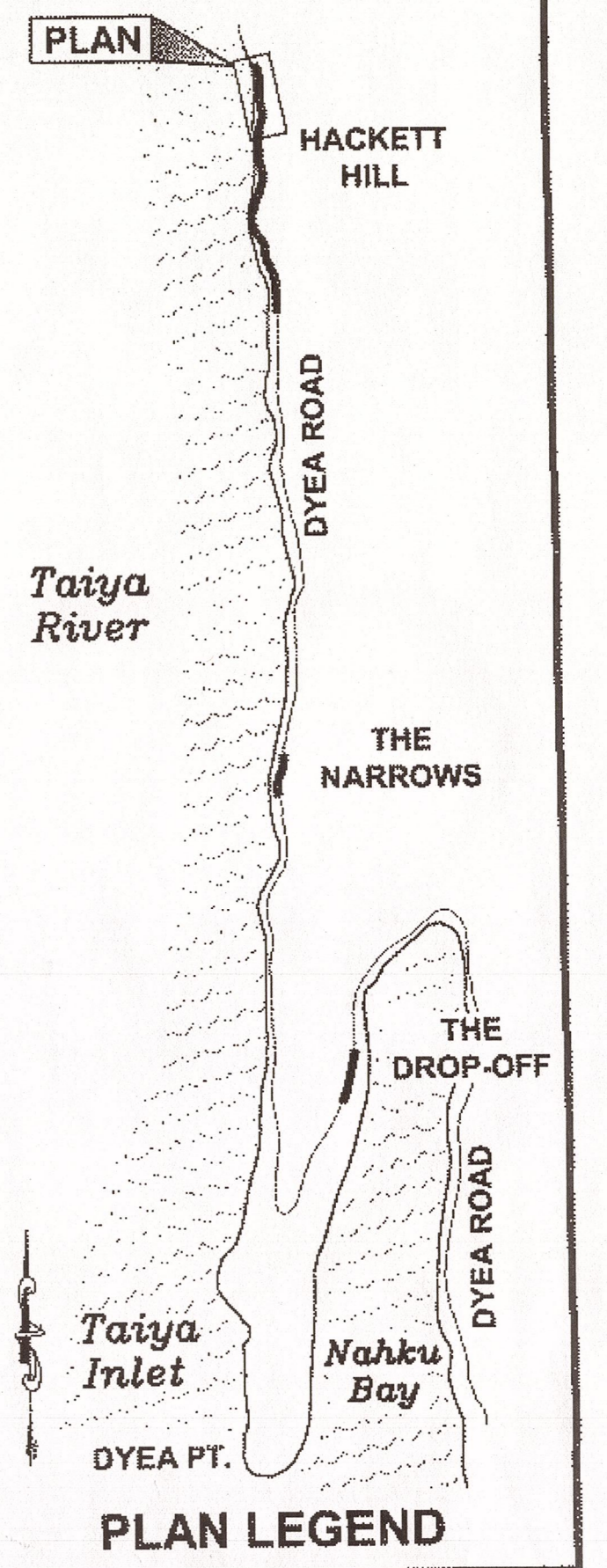
GRANTHAM, RICK L (DOT)
 TAB: T5 Wednesday, August 15, 2012 4:56:23 PM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



CHECKED BY: C. MOREHOUSE

DESIGNED BY: C. MOREHOUSE

DRAWN BY: R. GRANTHAM

STATE OF ALASKA
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