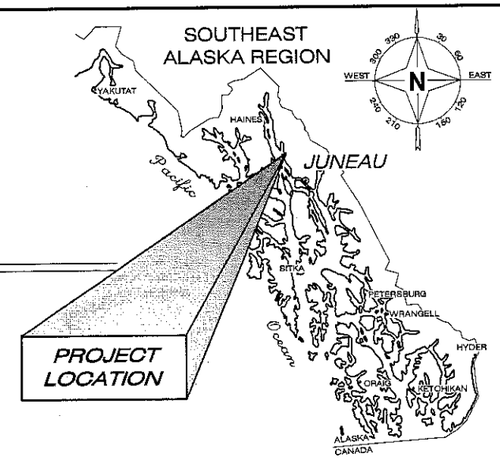
State of Alaska

Department of Transportation and Public Facilities

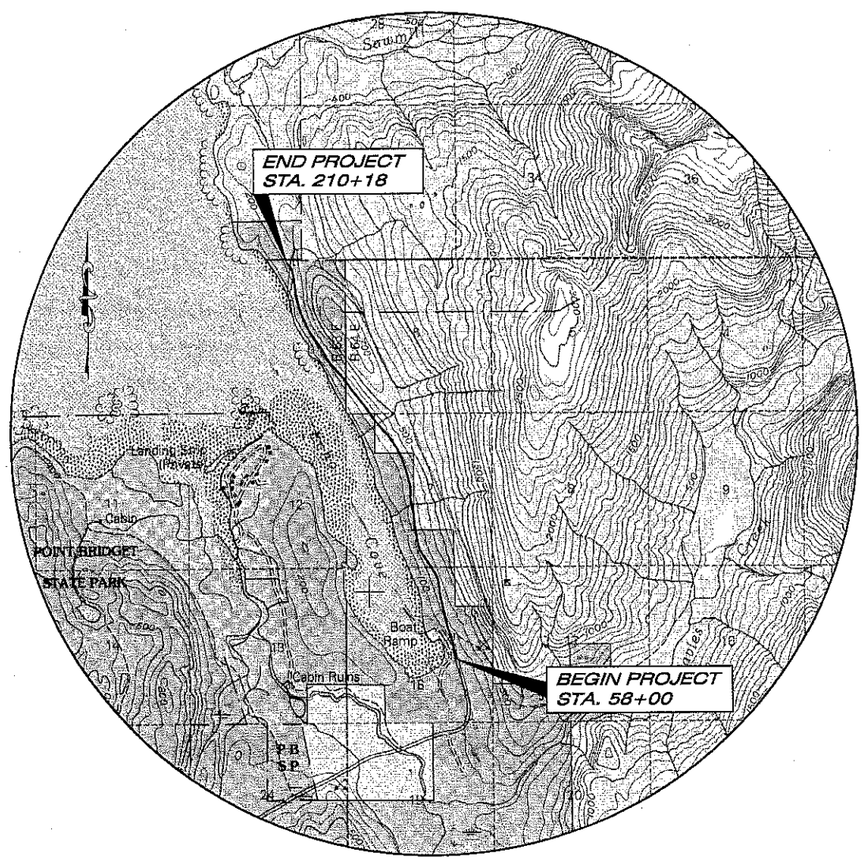
Southeast Region

JUNEAU, ALASKA

Glacier Highway Extension
PROJECT No. 69583



As-Built Plans
Project Engr. - Tink Bergam
Contractor - Miller Construction
Begin Work - June 1, 2011
End Work - May 15, 2013



DESIGN DESIGNATION	
A.D.T. 2009	10
A.D.T. 2012	190
D.H.V. 10%	20
%T.	7.5%
V. (MPH)	35
EAL (10 YR.)	50,000
LENGTH OF PROJECT -	15,218 FT 2.88 MILES

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:

A-01.00	D-04.21	I-81.00	S-00.10	S-20.10
D-01.02	E-13.00	M-13.01	S-05.01	S-30.03

INDEX

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D2	MISCELLANEOUS SUMMARIES
E1	MISCELLANEOUS DETAILS
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TAB:A1 March 21, 2011 at: 1:46pm
PATH: I:\2010\101309\AUTOCAD DRAWINGS\A-COVER.DWG

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

PLANS APPROVED BY: R&M ENGINEERING, Inc.

STATE OF ALASKA 49TH MICHAEL C. SHORY No. 8887-CE 3/21/11 REGISTERED PROFESSIONAL ENGINEER

APPROVED: 3/23/11
REGIONAL PRE-CONSTRUCTION ENGINEER — DATE
CHUCK CORREA, P.E.

APPROVED: 3-23-11
DIRECTOR, SOUTHEAST REGION — DATE
GARY L. DAVIS

CERTIFIED TRUE & CORRECT AS-BUILT OF ACTUAL FIELD CONDITION: 4/8/17
CONSTRUCTION PROJECT MANAGER — DATE

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	69583	2011	A1	52

Basis of Horizontal Control:
Horizontal Control is defined by "Eldred Grid" a custom projection developed specifically for this project and controlled by static GPS measurements. Datum is NAD83 (96) holding NGS mounuments "Eddy" and "HNS-D" fixed.

Basis of Vertical Control:
Vertical Control is Mean Lower Low Water based on static GPS ties to NOS benchmarks in tidal series 9452434 at Tiayasanka Harbor, published 11/9/2000.
Geoid '99 used for orthometric height corrections.

Definition of Eldred Grid:
ELDRED GRID 2003
DATUM: NAD83 AK,CAN, CON-US (1996 Adjustment)
ELLIPSOID: GRS80
UNITS : SURVEY FEET
TRANSVERSE MERCATOR PROJECTION
CM @ -135°07' LON
ORIGIN LAT 58°
FALSE N = 0.0 FT US
FALSE E = 200,000.0 FT US
SCALE REDUCTION = 1.000003

CONTROL MONUMENT NOTES:

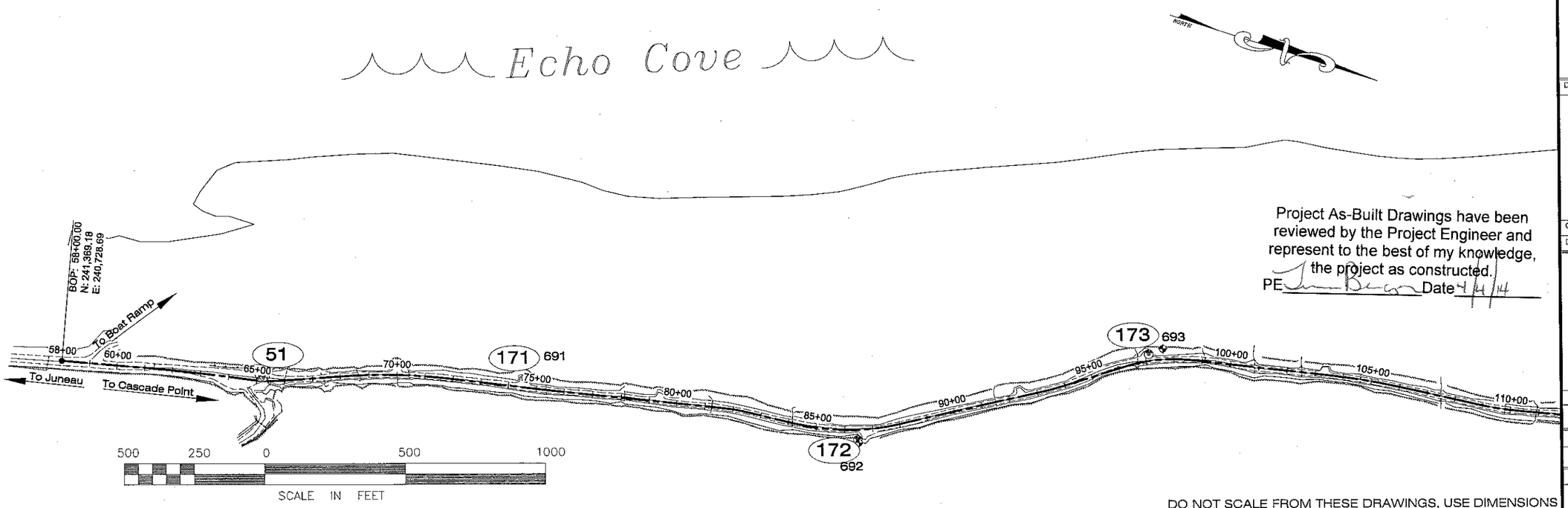
1. If any pair of control points disagrees from published value by more than 1:10,000 horizontally or vertically then a third network point must be tied to ascertain which point is in error or has been disturbed.

2. TBM/RP tags (points 691-705) consist of a PK nail driven through yellow plastic tag. They are intended as an elevation check for horizontal control points 171-185. Elevation listed is at center of PK nail.

3. Install new monuments in accordance with 624(4) and standard drawing M-16.01. Approximate positions of monuments to be set can be found in a table on sheet D2.

Primary Control

POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
51	65+20.11	22.08' L	242067.2275	240554.4790	123.58	GPS_ALCAP/REBAR_SM-22
171	74+60.38	34.54' L	242965.4059	240277.4587	186.48	ALCTRL2.5"_BB-171
691	74+87.78	39.62' L	242991.3038	240267.1520	189.44	TBM_RP-TAG
172	86+46.56	37.08' R	244148.6378	240128.7900	230.25	ALCTRL2.5"_BB-172
692	86+50.45	46.88' R	244155.8362	240136.5955	235.56	TBM_RP-TAG
173	97+13.01	23.73' L	245037.5653	239523.8660	197.41	ALCTRL2.5"_BB-173
693	97+62.71	37.81' L	245079.8813	239489.6817	198.01	TBM_RP-TAG
694	112+43.25	48.91' L	246539.4601	239225.0178	222.67	TBM_RP-TAG
174	112+46.93	18.45' L	246549.6009	239253.9774	223.63	GPS_ALCTRL2"_BB-174
175	121+24.17	6.52' R	247420.9418	239183.6428	241.63	ALCTRL2.5"_BB-175
695	121+25.15	27.55' R	247427.3402	239203.6933	248.28	TBM_RP-TAG
176	132+00.60	18.80' R	248443.6409	238845.0581	262.00	ALCTRL2.5"_BB-176
696	132+10.26	37.82' R	248461.4599	238856.9698	268.18	TBM_RP-TAG
177	149+81.05	4.24' L	249859.2253	237768.1627	251.40	ALCTRL2.5"_BB-177
697	150+40.73	23.72' L	249896.9162	237718.8731	254.04	TBM_RP-TAG
698	162+27.84	45.36' L	250813.5596	236969.9901	254.05	TBM_RP-TAG
178	162+38.48	10.91' L	250844.0510	236989.2298	251.99	ALCTRL2.5"_BB-178
179	171+35.95	6.80' L	251535.8629	236416.7840	223.11	ALCTRL2.5"_BB-179
699	171+51.93	45.80' R	251574.5252	236455.8757	231.27	TBM_RP-TAG
180	177+57.96	32.98' L	252052.9720	236075.3718	250.75	ALCTRL2.5"_BB-180
700	178+05.10	62.55' L	252075.4354	236024.4557	257.82	TBM_RP-TAG
701	183+39.57	27.69' L	252545.3110	235759.3612	272.08	TBM_RP-TAG
181	183+53.03	4.70' L	252567.5596	235774.0158	270.95	ALCTRL2.5"_BB-181
182	189+82.72	27.70' L	253124.8661	235474.8746	239.72	GPS_ALCTRL2"_BB-182
702	189+85.50	26.91' R	253146.9366	235524.9112	253.36	TBM_RP-TAG
183	196+63.06	21.81' L	253791.9729	235318.1708	218.45	ALCTRL2.5"_BB-183
703	196+67.57	31.24' R	253803.0755	235370.2451	237.89	TBM_RP-TAG
184	204+97.70	9.95' R	254620.7351	235217.5790	204.09	ALCTRL2.5"_BB-184
704	205+10.98	40.37' R	254646.6773	235238.6755	212.48	TBM_RP-TAG
185	Out of range	Out of range	254903.3733	234942.6005	208.05	ALCTRL2.5"_BB-185
705	Out of range	Out of range	254872.9756	234919.0942	210.62	TBM_RP-TAG



Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE _____ Date 4/4/14

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH: I:\2010\101309\Autocad Drawings\A2_Control.dwg
TAB:A2 March 23, 2011 at: 7:04am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

GLACIER HIGHWAY EXTENSION

Survey Data

DESIGNED BY: T. REED

3-23-11
STATE OF ALASKA 49TH Timothy Reed No. 10613 REGISTERED PROFESSIONAL LAND SURVEYOR

CHECKED BY: R. Davis
DRAWN BY: T. REED/ N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION
GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

Survey Data

PROJECT DESIGNATION NUMBER
69583

STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
A2	52

PATH: I:\2010\101309\Autocad Drawings\A2_Control.dwg

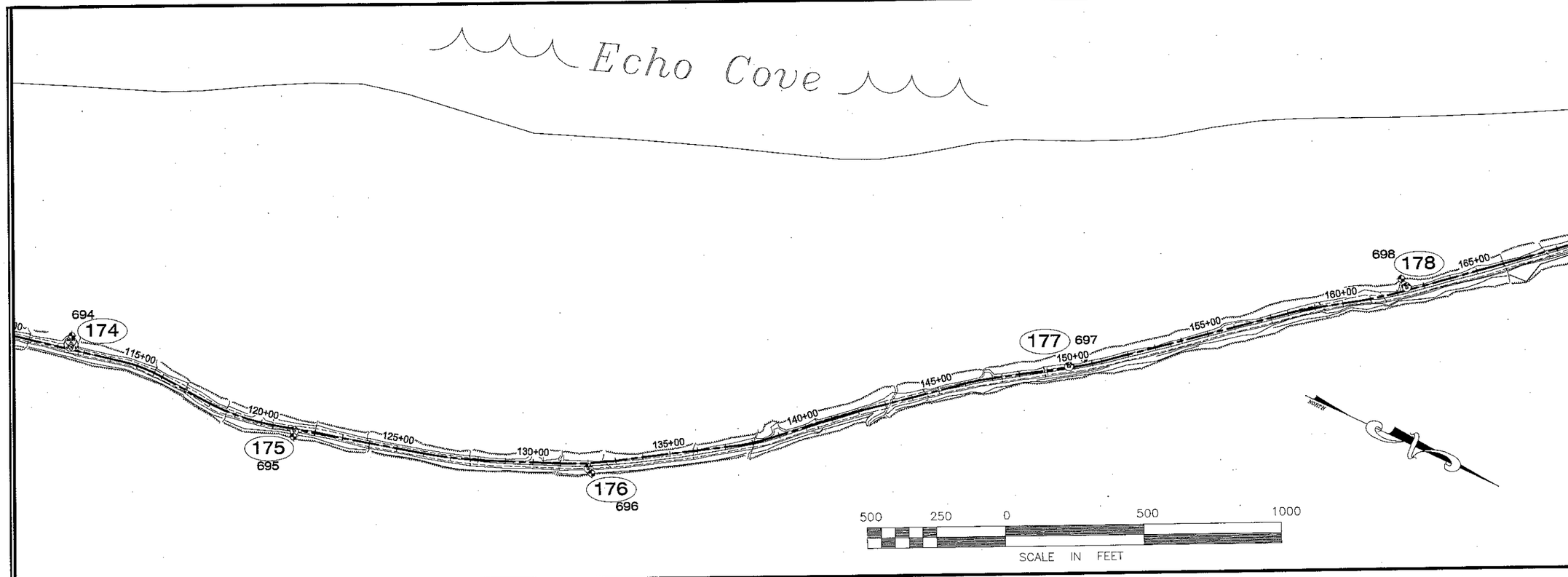
TAB:A3 March 23, 2011 at: 7:05am

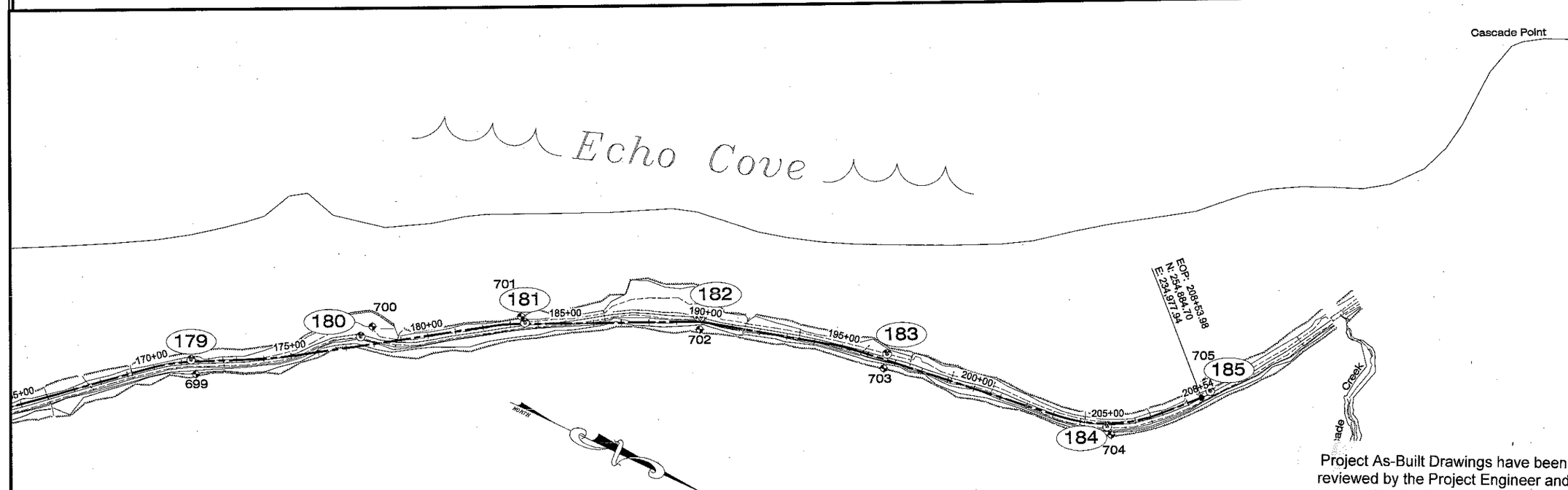
ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION





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

PE _____ Date 4/14/14

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

GLACIER HIGHWAY EXTENSION

Survey Data

DESIGNED BY: T. REED

3-23-11

STATE OF ALASKA 49TH Timothy Reed No. 10613 REGISTERED PROFESSIONAL LAND SURVEYOR

CHECKED BY: R. Davis

DRAWN BY: T. REED/ N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

Survey Data

PROJECT DESIGNATION NUMBER	
69583	
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
A3	52

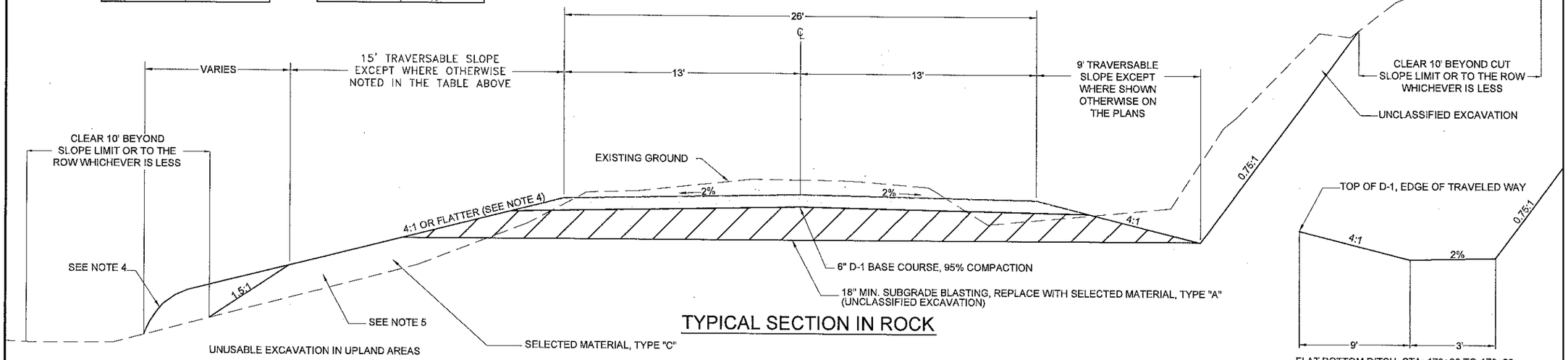
LT. TRAVERSABLE SLOPE TRANSITION	
STATION	WIDTH
74+50	15'
75+00	8'
77+50	8'
78+00	15'
106+50	15'
107+00	8'
114+00	8'
114+50	15'
116+50	15'
117+00	8'
124+00	8'
124+50	15'
125+50	15'
126+00	8'
146+00	8'
146+50	15'
148+00	15'
148+50	8'
157+06.35	8'
157+96.35	15'

LT. TRAVERSABLE SLOPE TRANSITION	
STATION	WIDTH
168+00	15'
168+50	8'
171+50	8'
172+00	15'
181+50	15'
182+00	8'
188+00	8'
188+50	15'
193+00	15'
193+50	8'
196+00	8'
196+50	15'
197+00	15'
198+00	8'
200+00	8'
201+00	15'
203+50	15'
204+00	8'
205+00	8'
205+50	15'

TYPICAL SECTION NOTES:

1. IN AREAS OF GRADE RAISE AND/OR REALIGNMENT, CONSTRUCT SUB GRADE WITH 18" OF SELECTED MATERIAL, TYPE A FULL WIDTH.
2. ALL SOIL CONSTRUCTION SLOPES SHALL BE SEEDED AND MULCHED. ALL SLOPES 4:1 (H:V) OR STEEPER WILL BE EVALUATED BY THE ENGINEER FOR SLOPE STABILIZATION MEASURES.
3. SUPERELEVATIONS ROTATE ABOUT THE CENTERLINE, THE RATES OF SUPERELEVATION AND THE SUPERELEVATION TRANSITION REGIONS ARE GIVEN ON THE PLAN AND PROFILE SHEETS. REFER TO CASE 1 OF STANDARD DRAWING I-81.00 FOR TRANSITION DETAILS.
4. MAINTAIN POSITIVE DRAINAGE AWAY FROM ROAD.
5. BENCH ACCORDING TO SUBSECTION 203 IN THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION
6. FROM STATION 176+00 TO 178+00 ADD A 3' FLAT BOTTOM DITCH PER DETAIL BELOW.
7. WHEN WAQTC FOP FOR AASHTO T 27/T 11 IS SPECIFIED, METHOD A OR B WILL BE PERFORMED ON ALL CRUSHED AGGREGATE AND ON MATERIAL CONTAINING 3/4" NOMINAL MAXIMUM SIZE AGGREGATE OR LESS.
8. WHEN WAQTC FOP FOR AASHTO T 180 IS SPECIFIED, METHOD D WILL BE PERFORMED UNLESS OTHERWISE STATED.

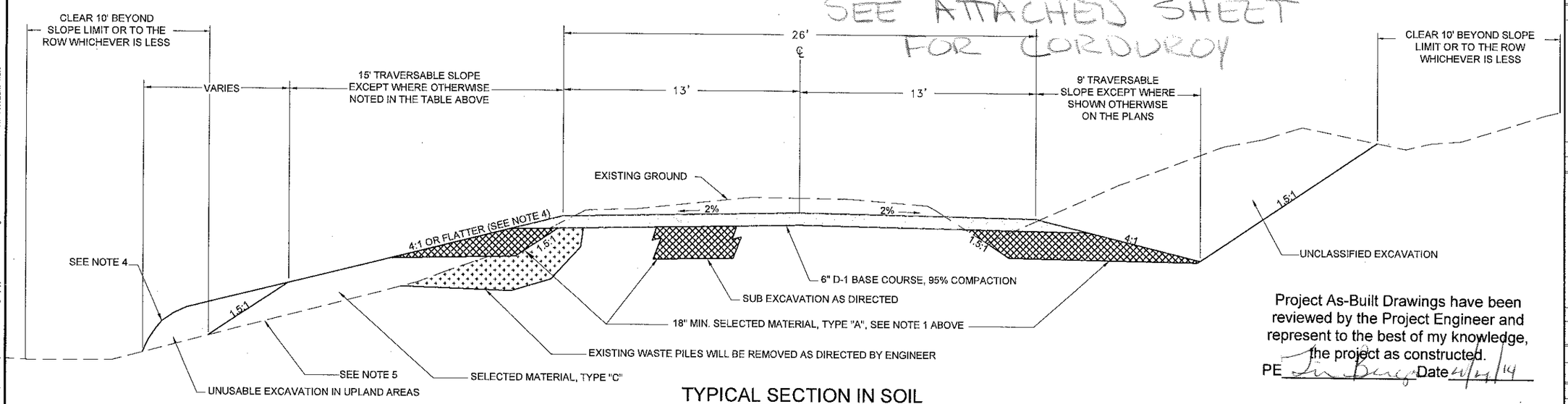
RT. CUT SLOPE TRANSITION	
STATION	SLOPE
173+00	1.5:1
173+25	0.75:1
179+25	0.75:1
179+50	1.5:1
186+50	1.5:1
186+75	0.75:1
189+25	0.75:1
189+50	1.5:1
191+50	1.5:1
191+75	0.75:1
193+75	0.75:1
194+00	1.5:1
195+50	1.5:1
195+75	0.75:1
201+75	0.75:1
202+00	1.5:1



TYPICAL SECTION IN ROCK

FLAT BOTTOM DITCH STA: 176+00 TO 178+00
FLAT BOTTOM DITCH DETAIL SEE NOTE 6

SEE ATTACHED SHEET FOR CORDUROY



TYPICAL SECTION IN SOIL

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

PE _____ Date 4/24/14

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH: I:\2010\101309\Autocad Drawings\Typical Sections.dwg

TAB:B1 March 23, 2011 at: 10:02am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

GLACIER HIGHWAY EXTENSION

TYPICAL SECTIONS

PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309
DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL C. STORY No. 6887-EE REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON
DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION
GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

TYPICAL SECTIONS

PROJECT DESIGNATION NUMBER
69583

STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
B1	52

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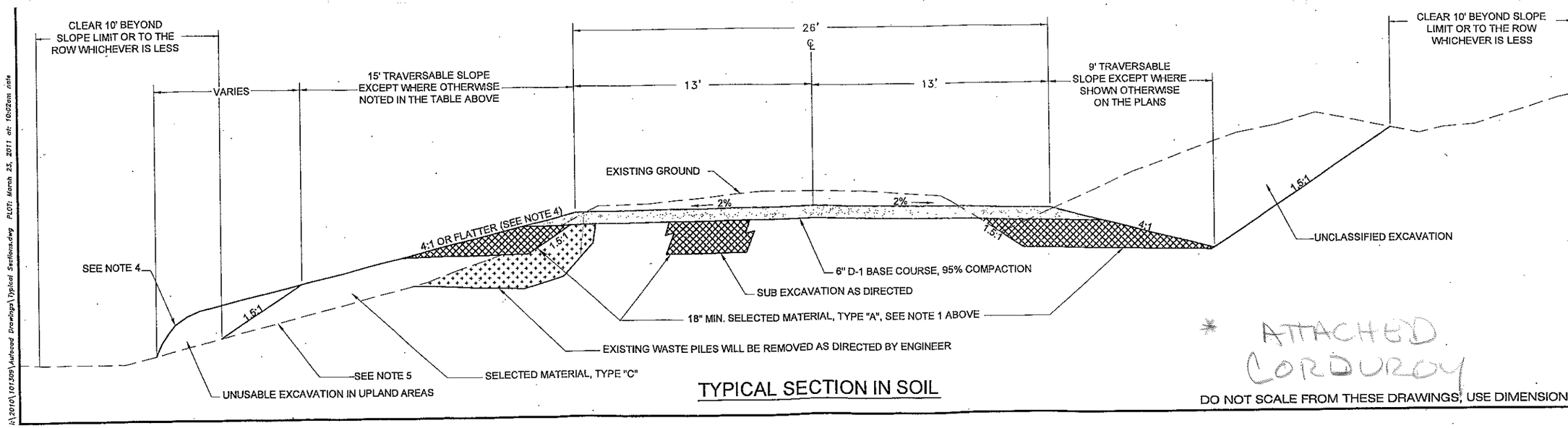


TYPICAL SECTION IN SOIL

* ATTACHED CORDUROY

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

STATE OF ALASKA 49TH MICHAEL C. STORY No. 6887-CE 3/23/11 REGISTERED PROFESSIONAL ENGINEER

CHECKED BY:	M. JOHNSON
DRAWN BY:	N. PURVES

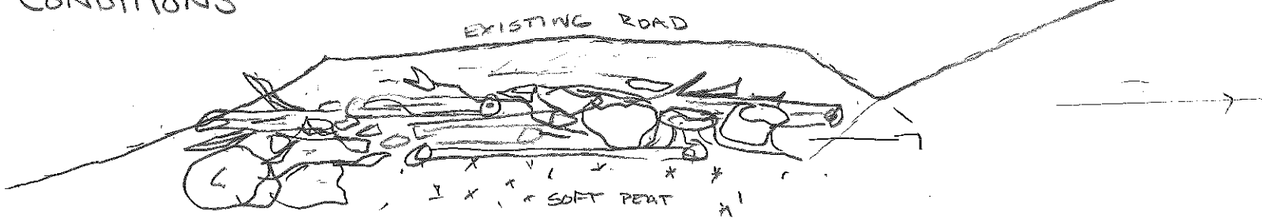
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY EXTENSIC
DOT&PF PROJECT # 69583

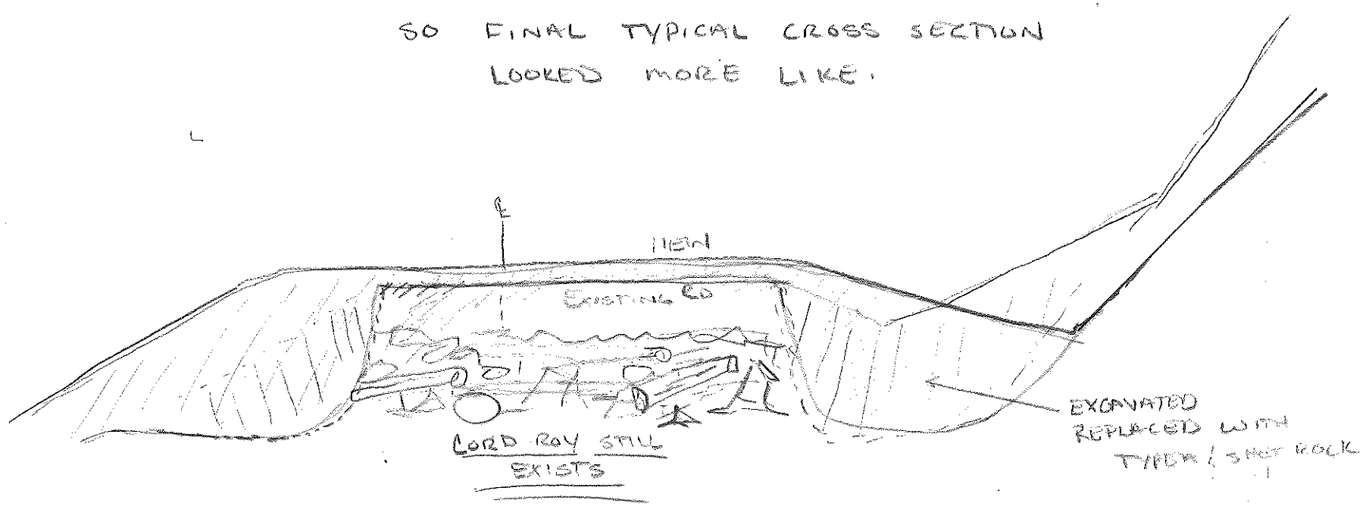
TYPICAL SECTIONS

PROJECT DESIGNATION NUMBER	
69583	
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
B1	52

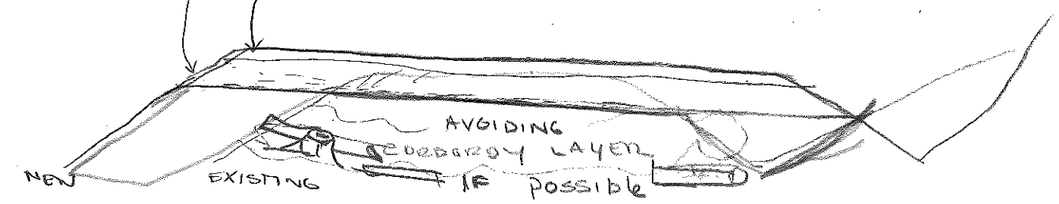
ACTUAL FEILD CONDITIONS



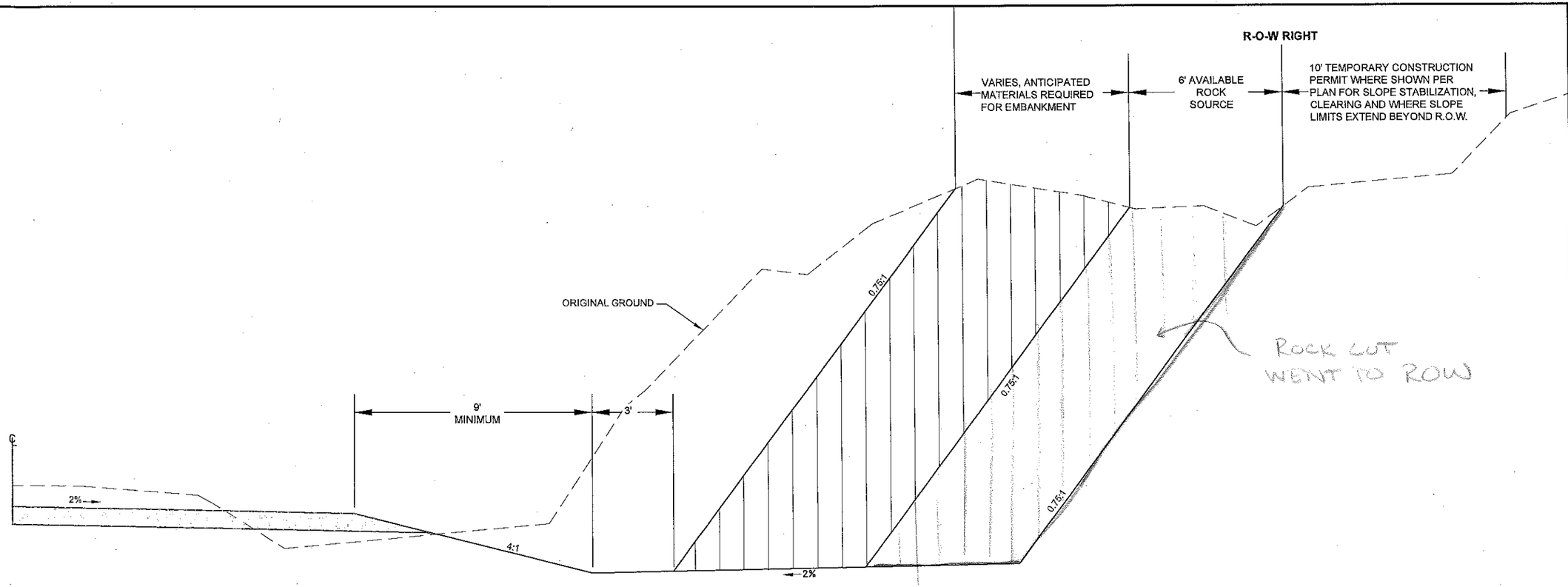
SO FINAL TYPICAL CROSS SECTION LOOKED MORE LIKE.



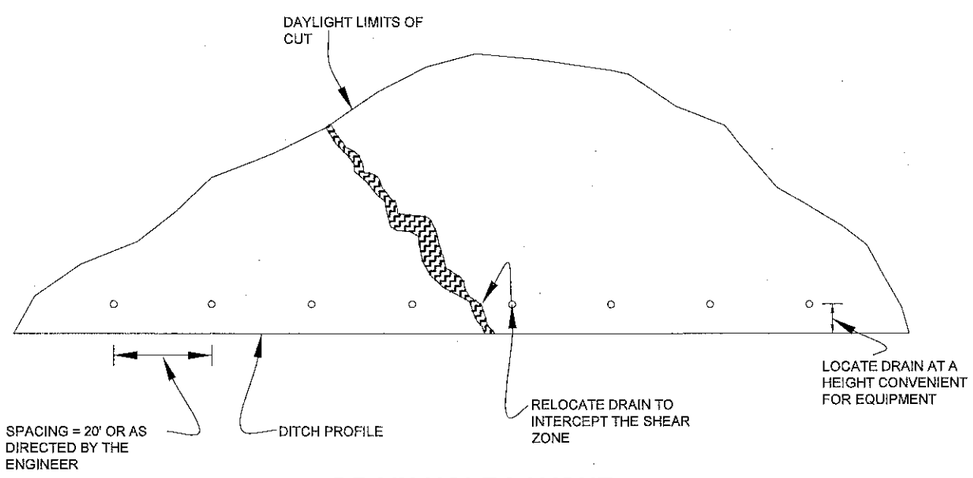
① IF NEW GRADE ABOVE EXISTING RD. CUT OUT ONLY ENOUGH TO HAVE AVG 12" SELECT MATERIAL TYPE "A" 6" D-1 BASE



② IF NEW GRADE BELOW EXISTING RD CUT OUT CORDUROY TO HARDPAN OR ABOUT 4' DEPTH. EMBANK WITH TYPE A.

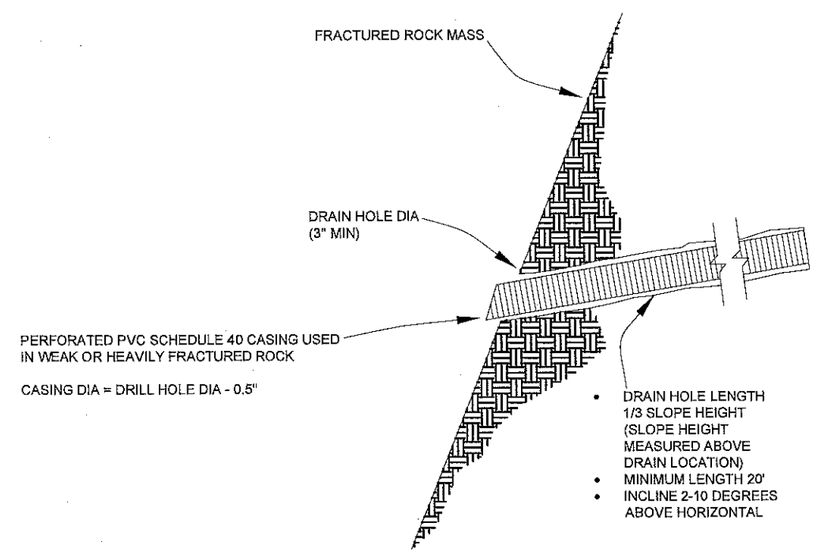


ROCK CUT SECTION TYPICAL, STA 184+50 TO 194+00



DRAIN HOLE LAYOUT

(ELEVATION VIEW)



CASED DRAIN HOLE

(SECTION)

DRAIN HOLES REQUIRED IN ROCK CUT SECTIONS WITHOUT A 3' OR GREATER FLAT BOTTOM DITCH

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

PE [signature] Date 4/4/14

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

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TAB:B2 March 23, 2011 at: 1:13pm

ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

GLACIER HIGHWAY EXTENSION

TYPICAL SECTIONS

PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL C. STORY No. 6887-CE 3/23/11 REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON

DRAWN BY: N. PURVES

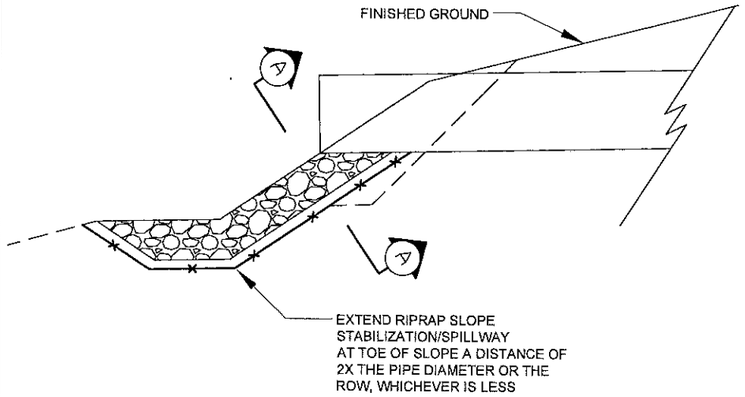
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

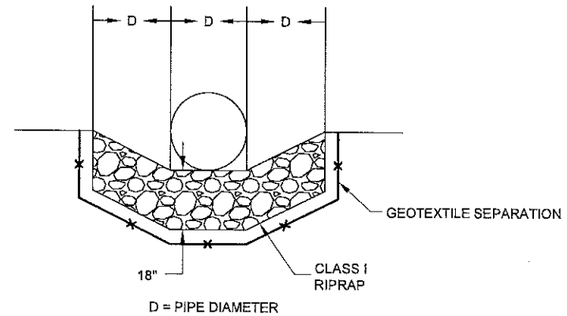
TYPICAL SECTIONS

PROJECT DESIGNATION NUMBER	
69583	
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
B2	52

I:\2010\101309\Autocad Drawings\DATA SHEETS.dwg PLOT: March 23, 2011 at: 1:13pm note

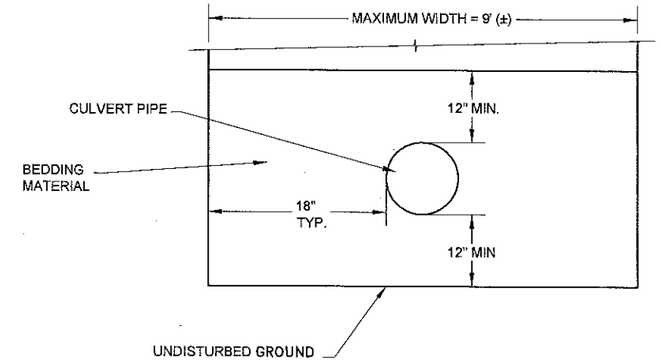


ROADWAY SECTION

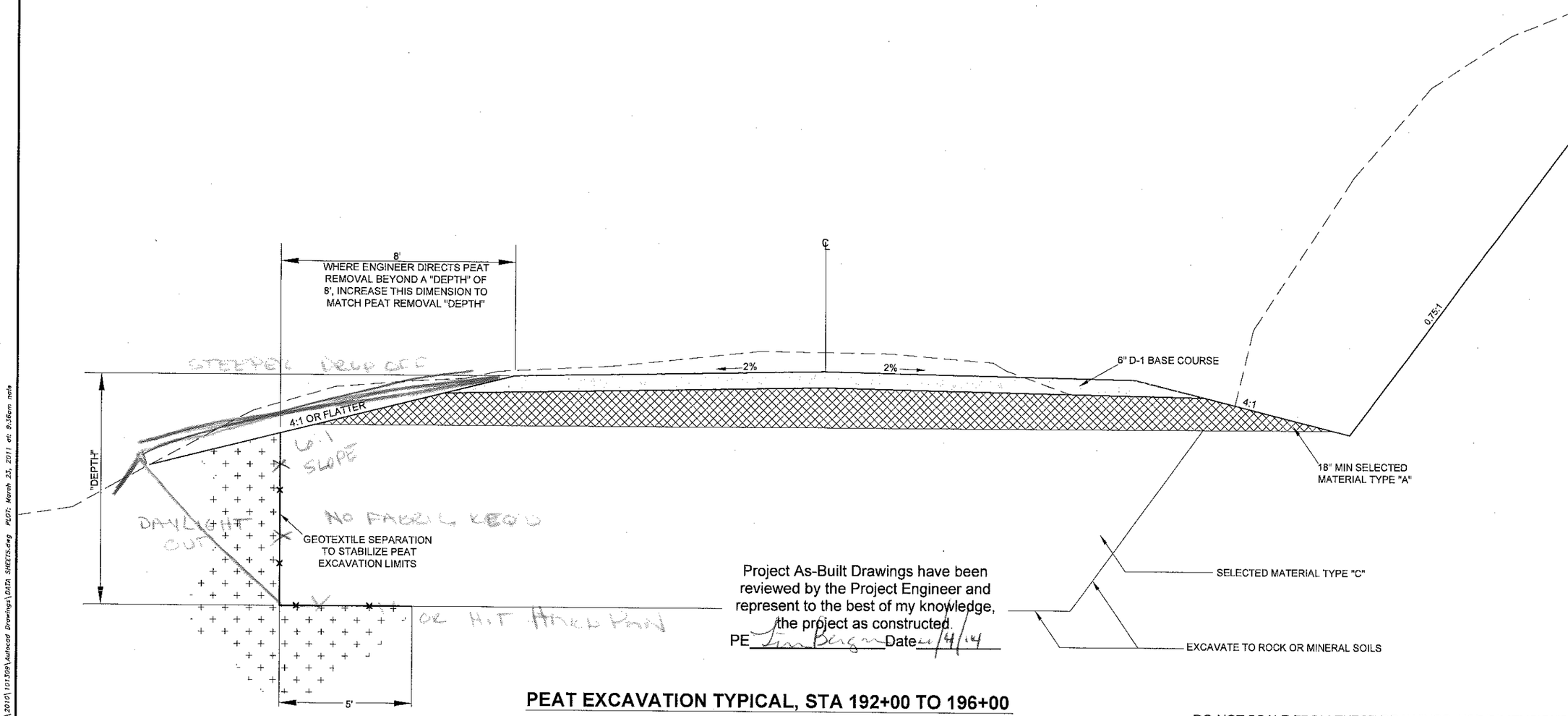


SECTION "A-A"

CULVERT OUTLET PROTECTION AS DIRECTED



CULVERT BEDDING TYPICAL



Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE Tim Bergen Date 11/4/14

PEAT EXCAVATION TYPICAL, STA 192+00 TO 196+00

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH: I:\2010\101309\Autocad Drawings\DATA SHEETS.dwg
TAB:B3 March 23, 2011 at: 9:36am

ADDENDUM NUMBER

ATTACHMENT NUMBER

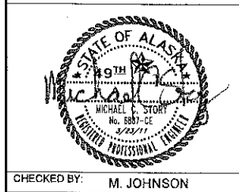
RECORD OF REVISIONS

No.	DATE	DESCRIPTION

GLACIER HIGHWAY EXTENSION

TYPICAL SECTIONS

PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309
DESIGNED BY: M. STORY



CHECKED BY: M. JOHNSON
DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION
GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

TYPICAL SECTIONS

PROJECT DESIGNATION NUMBER	
69583	
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
B3	52

I:\2010\101309\Autocad Drawings\DATA SHEETS.dwg PLOT: March 23, 2011 at: 9:36am note

ESTIMATE OF QUANTITIES

Item No.	Item	Pay Unit	QTY.
201 (1A)	Clearing	Acre	7.18 ~~7~~
201 (3A)	Clearing and Grubbing	Acre	15.20 ~~15~~
201 (6)	Selective Tree Removal	Each	15 ~~12~~
202 (1)	Removal of Structures and Obstructions	Lump Sum	All required
202 (2)	Removal of Pavement	Square Yard	155 SY ~~500~~
202 (4)	Removal of Culvert Pipe	Linear Foot	1916.5 ~~1,895~~
203 (3)	Unclassified Excavation Lump Sum	~~Cubic Yard~~ CO # 4	~~115,000~~ → $1,130,769.00
203 (9)	Obliteration of Roadway	Square Yard	188 ~~150~~
203 (10)	Controlled Blasting	Linear Foot	4585 ~~16,500~~
203 (12)	Drain Holes	Linear Foot	~~1,200~~
~~301 (1)~~ 301(2)	Aggregate Base Course, Grading D-1 (PRICE ADJUSTMENT)	Ton LS	$289,921.00 ~~16,000~~
603 (22-24)	24 inch DOT Furnished CSP	Linear Foot	2736.7 ~~2,887~~
603 (22-36)	36 inch DOT Furnished CSP	Linear Foot	332.5 ~~376~~
603 (22-48)	48 inch DOT Furnished CSP	Linear Foot	121.50 ~~139~~
603 (22-72)	72 inch DOT Furnished CSP	Linear Foot	110 ~~113~~
611 (1)	Riprap, Class I	Cubic Yard	76.70 ~~100~~
615 (1)	Standard Sign	Square Foot	48.01 ~~100~~
615 (2)	Remove and Relocate Existing Sign	Each	50 ~~40~~
615 (6)	Salvage Sign	Each	10 ~~8~~
618 (1)	Seeding	Acre CO # 4	~~15~~
619 (3)	Flexible Growth Medium	Square Yard CO # 4	~~30,000~~
630 (1)	Geotextile, Separation	Square Yard	895 ~~1,800~~
633 (2)	Sediment Barrier	Linear Foot	6180 6,000
640 (1)	Mobilization and Demobilization	Lump Sum	All required
641 (1)	Erosion, Sediment And Pollution Control Administration	Lump Sum	All required
641 (2)	Temporary Erosion, Sediment And Pollution Control	Contingent Sum	All required
641 (6)	Withholding	Contingent Sum	All required
641 (8)	Temporary Check Dam	Each	117 220
641 (9)	Temporary Gravel Construction Entrance/Exit	Lump Sum	All required
642 (1)	Construction Surveying	Lump Sum	All required
642 (4)	Set Primary Monument	Each	16
643 (2)	Traffic Maintenance	Lump Sum	All required
643 (3)	Permanent Construction Signs	Lump Sum	All required
643 (25)	Traffic Control	Contingent Sum	All required

641(3) PERMANENT EROSION CONTROL — LUMP SUM CO #4 — $109,066.22
644(1) OFFICE SUPPORT SERVICE — LUMP SUM CO #3 — $8,412.70
642(10) MONUMENT CASING — 12 @ 100 EA CO #3 — $1600.00
301(4) CORDUROY MITIGATION — CO #2 — $17,769

BASIS OF ESTIMATE

Item No.	Item	BASIS OF ESTIMATE
201 (1A)	Clearing	10' Clear limit each side of Centerline
202 (2)	Removal of Pavement	At the B.O.P. on the Approach left of Centerline and from the Saw Cut to the Existing Gate
203 (3)	Unclassified Excavation	Useable Excavation = 103,000 Cubic Yards, Which Includes Rock Excavation & the Hatched Area on B2 Unusable Excavation = 12,000 Cubic Yards
203 (9)	Obliteration of Roadway	At the B.O.P. on the Approach Left of Centerline
203 (10)	Controlled Blasting	4' Spacing In Rock Cut Sections Based on 1,850 Linear feet of Rock Cut & an Average Hole Length of 35'
203 (12)	Drain Holes	Drain Holes 20' Deep at 20' Spacing in Rock Cut Areas without a Flat bottom Ditch
301 (1)	Aggregate Base Course, Grading D-1	8,000 C.Y. at 2 Ton/C.Y.
611 (1)	Riprap, Class I	Bank & Outlet Protection
619 (3)	Flexible Growth Medium	On 1.5:1 Slopes

301(8) BORROW A FOR 6:1 SLOPE — CO#2 — $20,128
641(3) EROSION POLLUTION ADMIN NEW CGP — CO #2 — $22,400
641(10) EMERGENCY ROCK SLOPE — CYMM CO #1 — $56,800

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE [signature] Date 4/14/14

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH: I:\2010\101309\Autocad Drawings\DATA SHEETS.dwg
TAB:C1 March 22, 2011 at: 4:58pm

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

GLACIER HIGHWAY EXTENSION

ESTIMATE OF QUANTITIES

PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309
DESIGNED BY: M. STORY

STATE OF ALASKA 19TH MICHAEL G. STORY No. 6857-CE 3/22/11 REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON
DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

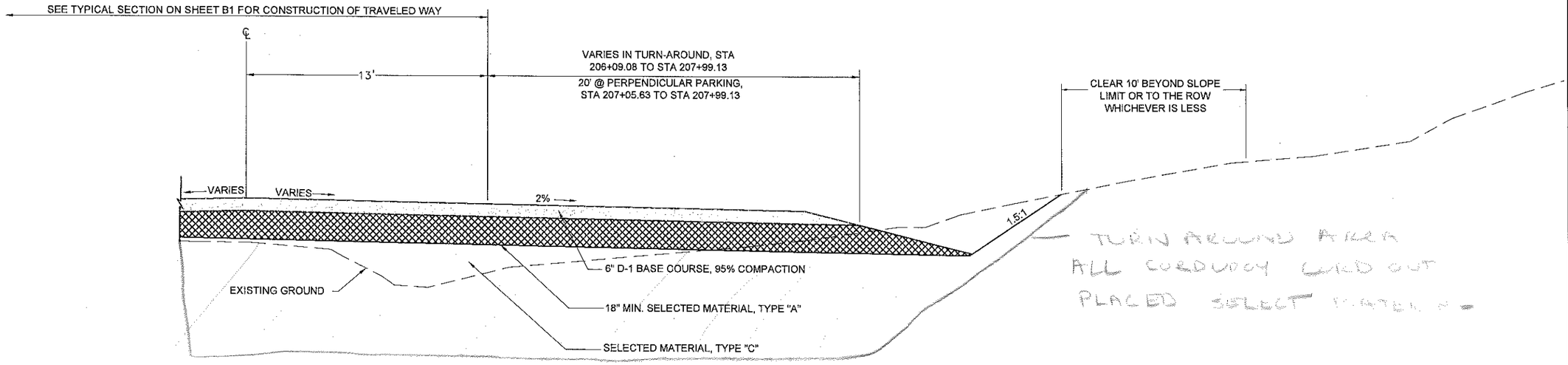
GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

ESTIMATE OF QUANTITIES

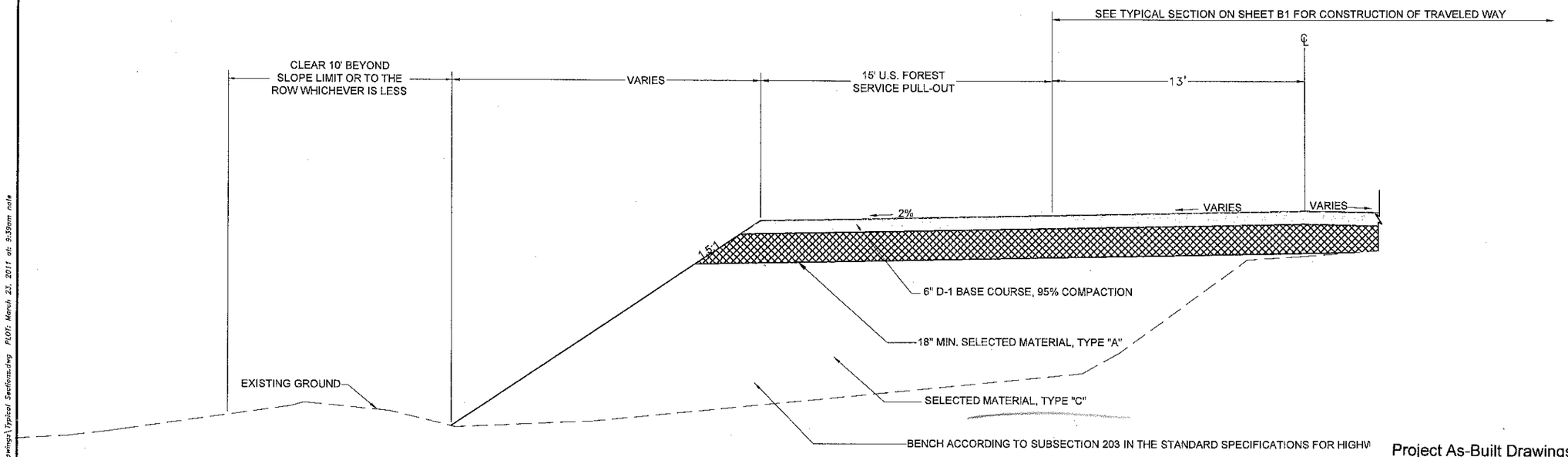
PROJECT DESIGNATION NUMBER
69583

STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
C1	52

I:\2010\101309\Autocad Drawings\DATA SHEETS.dwg PLOT: March 22, 2011 at: 4:58pm note



TURN-AROUND TYPICAL, STA 206+09.08 TO 207+05.63 & PERPENDICULAR PARKING TYPICAL, STA 207+05.63 TO 207+99.13



US FOREST SERVICE PULL-OUT TYPICAL, STA 157+47.31 TO 158+37.31

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

PE Jim Berg Date 4/14/14

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH: I:\2010\101309\Autocad Drawings\Typical Sections.dwg

TAB:B4 March 23, 2011 at: 9:39am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

GLACIER HIGHWAY EXTENSION

TYPICAL SECTIONS

PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL C. STORY No. 8887-CE REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON

DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

TYPICAL SECTIONS

PROJECT DESIGNATION NUMBER

69583

STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
B4	52

I:\2010\101309\Autocad Drawings\Typical Sections.dwg PLOT: March 23, 2011 at: 9:39am nate

603 CULVERT PIPE SUMMARY

PIPE NO.	TYPE	DIAMETER (IN)	LENGTH (FT)	INLET STA.	INLET OFF.	INLET INV.	OUTLET STA.	OUTLET OFF.	OUTLET INV.	SLOPE	REMARKS
P-1	CSP	24	~~70~~ 77.5	62+40	25.1	112.7	62+31	51.5	106.7	7.8%	REMOVE AND REPLACE
P-2	CSP	24	~~96~~ 100	65+91	36.1	115.7	66+18	59.7	103.5	12.7%	REMOVE AND REPLACE
P-3	CSP	24	~~81~~ 105	67+46	27.5	128.2	67+19	52.8	113.5	18.3%	REMOVE AND REPLACE
~~P-4~~	~~CSP~~	~~24~~	~~63~~	~~68+79~~	~~29.8~~	~~139.0~~	~~68+52~~	~~32.3~~	~~136.5~~	~~4.0%~~	~~REMOVE AND REPLACE~~ DELETED - EMERGENCY SLOPE RED
P-5	CSP	24	~~67~~ 63	70+04	21.2	149.5	69+73	39.3	141.8	12.7%	NEW CULVERT
~~P-6~~	~~CSP~~	~~24~~	~~62~~	~~70+50~~	~~24.0~~	~~152.3~~	70+37	33.1	151.0	2.3%	~~REMOVE AND REPLACE~~ DELETED - " " "
P-7	CSP	24	~~51~~ 52	75+40	24.3	186.9	75+33	26.1	184.2	5.4%	REMOVE AND REPLACE
~~P-8~~	~~CSP~~	~~24~~	~~58~~	~~78+12~~	~~23.0~~	~~195.4~~	~~78+10~~	~~34.9~~	~~189.4~~	~~10.4%~~	~~REMOVE AND REPLACE~~ DELETED - " " "
P-9	CSP	24	~~64~~ 66	81+23	23.3	203.3	81+26	40.9	194.7	13.4%	REMOVE AND REPLACE
P-10	CSP	24	~~62~~ 65	84+19	23.9	211.8	84+07	37.8	204.5	11.8%	REMOVE AND REPLACE
P-11	CSP	24	~~56~~ 100	91+50	22.0	210.9	91+50	32.9	205.4	10.0%	REMOVE AND REPLACE
P-12	CSP	24	61	96+67	23.2	197.0	96+67	37.6	190.2	11.2%	REMOVE AND REPLACE
P-13	CSP	24	60	99+21	25.0	191.1	99+02	35.1	187.1	6.7%	REMOVE AND REPLACE
P-14	CSP	24	83	100+87	25.2	188.3	100+73	54.0	170.7	22.2%	REMOVE AND REPLACE
P-15	CSP	24	56	102+55	25.2	192.6	102+48	30.1	190.0	4.7%	REMOVE AND REPLACE
P-16	CSP	24	~~59~~ 60	104+63	25.3	193.5	104+51	30.7	191.4	3.8%	REMOVE AND REPLACE
P-17	CSP	48	~~81~~ 71.5	107+54	29.2	195.9	107+39	48.1	181.6	18.5%	REMOVE AND REPLACE
P-18	CSP	24	~~59~~ 54.4	108+60	23.9	204.0	108+46	31.7	199.9	7.4%	REMOVE AND REPLACE
P-19	CSP	24	~~50~~ 47	109+82	22.0	210.5	109+80	27.3	205.6	9.9%	REMOVE AND REPLACE
P-20	CSP	24	~~58~~ 54	110+90	24.5	213.4	110+86	30.6	207.1	11.4%	REMOVE AND REPLACE
P-21	CSP	24	~~53~~ 53.8	112+83	24.3	221.2	112+72	28.4	217.3	7.4%	REMOVE AND REPLACE
P-22	CSP	24	57	115+69	24.8	223.4	115+67	32.1	220.8	4.6%	REMOVE AND REPLACE
P-23	CSP	24	~~55~~ 60	116+96	23.5	225.8	116+93	30.9	219.7	11.2%	REMOVE AND REPLACE
P-24	CSP	24	~~57~~ 60	118+68	26.9	228.2	118+62	30.0	224.7	6.2%	REMOVE AND REPLACE
P-25	CSP	24	~~59~~ 63	120+47	22.6	236.1	120+40	36.5	225.9	17.3%	REMOVE AND REPLACE
P-26	CSP	24	~~53~~ 54	121+97	23.2	238.3	122+00	28.9	233.0	10.2%	REMOVE AND REPLACE
P-27	CSP	24	~~58~~ 60	124+05	25.1	241.4	123+84	32.1	236.1	9.3%	REMOVE AND REPLACE
P-28	CSP	24	~~55~~ 60	127+74	27.2	248.5	127+67	27.9	246.8	3.1%	REMOVE AND REPLACE
P-29	CSP	48	~~58~~ 60	130+93	26.8	256.3	131+03	30.9	255.2	1.9%	REMOVE AND REPLACE
P-30	CMP	24	34	132+83	32.8	257.8	132+32	40.9	253.5	5.8%	EXTEND LEFT 34', EXTENSIONS CAN BE SALVAGED CMP FROM THIS PROJECT OR DOT FURNISHED CSP W/ APPROPRIATE SEPARATION GASKET
P-31	CSP	24	~~67~~ 63	135+82	22.4	256.0	136+00	33.4	248.2	14.0%	REMOVE AND REPLACE
P-32	CSP	36	~~76~~ 66.5	137+92	31.0	251.9	138+25	44.6	242.1	12.9%	REMOVE AND REPLACE
P-33	CSP	24	55	140+43	25.3	248.4	140+43	29.3	245.4	5.5%	REMOVE AND REPLACE
P-34	CSP	72	~~113~~ 110	142+91	42.7	233.4	143+51	73.6	218.4	12.9%	REMOVE AND REPLACE
P-35	CSP	24	~~56~~ 60	144+64	25.8	239.7	144+42	29.5	236.8	5.2%	REMOVE AND REPLACE
P-36	CSP	24	60	147+36	24.5	243.7	147+37	34.6	239.7	6.8%	REMOVE AND REPLACE
P-37	CSP	24	EXTEND ~~64~~ 30	148+91	28.5	243.7	148+88	34.8	239.8	6.2%	~~REMOVE AND REPLACE~~ EXTENDED PIPE
P-38	CMP	24	~~16~~	150+65	23.8	249.3	150+66	26.8	246.2	6.1%	~~EXTEND LEFT 15' RIGHT 1', EXTENSIONS CAN BE SALVAGED CMP FROM THIS PROJECT OR DOT FURNISHED CSP W/ APPROPRIATE SEPARATION GASKET~~ REMOVED & REPLACE
P-39	CMP	24	~~28~~ 25	153+59	25.0	243.2	153+55	38.1	237.3	9.4%	EXTEND LEFT 28', EXTENSIONS CAN BE SALVAGED CMP FROM THIS PROJECT OR DOT FURNISHED CSP W/ APPROPRIATE SEPARATION GASKET
P-40	CMP	24	~~28~~ 25	157+37	24.7	239.0	157+37	37.6	232.2	10.9%	EXTEND LEFT 26' RIGHT 2, EXTENSIONS CAN BE SALVAGED CMP FROM THIS PROJECT OR DOT FURNISHED CSP W/ APPROPRIATE SEPARATION GASKET
P-41	CSP	24	~~85~~ 95	159+42	32.6	239.2	159+00	51.8	230.0	10.9%	REMOVE AND REPLACE
P-42	CSP	24	~~81~~ 70.9	161+58	27.9	247.0	161+15	46.8	235.6	15.3%	REMOVE AND REPLACE
P-43	CMP	24	32	166+06	30.0	227.6	165+94	41.7	223.3	6.0%	EXTEND LEFT 29' RIGHT 3', EXTENSIONS CAN BE SALVAGED CMP FROM THIS PROJECT OR DOT FURNISHED CSP W/ APPROPRIATE SEPARATION GASKET
P-44	CMP	24	29	167+71	26.0	225.8	167+38	44.2	217.9	11.3%	EXTEND LEFT 25' RIGHT 4', EXTENSIONS CAN BE SALVAGED CMP FROM THIS PROJECT OR DOT FURNISHED CSP W/ APPROPRIATE SEPARATION GASKET
P-45	CSP	24	~~62~~ 58.9	169+16	25.6	222.3	169+18	36.3	214.8	12.1%	REMOVE AND REPLACE
P-46	CSP	36	~~81~~ 80	172+56	29.7	218.0	172+45	50.8	206.5	14.3%	REMOVE AND REPLACE
P-47	CSP	24	~~79~~ 71	178+74	25.6	249.3	179+09	52.7	237.7	14.8%	REMOVE AND REPLACE
P-48	CSP	24	~~70~~ 60	186+39	22.3	257.1	186+36	46.5	244.3	18.6%	REMOVE AND REPLACE
P-49	CSP	36	~~64~~ 60	191+37	23.8	230.4	191+37	42.7	224.7	8.6%	REMOVE AND REPLACE
P-50	CMP	24	~~18~~ 65	193+44	24.5	226.0	193+43	35.2	222.7	5.5%	~~EXTEND RIGHT 18', EXTENSIONS CAN BE SALVAGED CMP FROM THIS PROJECT OR DOT FURNISHED CSP W/ APPROPRIATE SEPARATION GASKET~~ REMOVE & REPLACE
P-51	CSP	24	~~70~~ 60	195+65	25.2	216.4	195+94	36.4	200.3	26.1%	~~REMOVE AND REPLACE~~ DELETED - DRAIN
~~P-52~~	~~CSP~~	~~24~~	~~74~~	~~197+56~~	~~25.7~~	~~201.9~~	~~197+52~~	~~31.6~~	~~200.4~~	~~2.6%~~	~~REMOVE AND REPLACE~~
P-53	CSP	24	~~59~~ 60	199+11	21.6	193.8	199+13	38.0	181.2	21.1%	REMOVE AND REPLACE
P-54	CSP	24	67	200+61	22.3	189.8	200+66	46.6	181.2	12.5%	REMOVE AND REPLACE
P-55	CSP	24	~~48~~ 50	204+17	25.0	196.3	204+15	24.2	194.5	3.7%	REMOVE AND REPLACE
P-56	CSP	24	~~52~~ 55.9	205+30	24.9	200.0	205+30	27.1	198.0	3.8%	NEW CULVERT
P-57	CSP	36	~~185~~ 120	207+30	99.7	203.9	206+47	54.4	195.4	5.5%	REMOVE AND REPLACE

* VERIFY SLOPE %

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE Date 4/4/14

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH: I:\2010\101309\Autocad Drawings\DATA SHEETS.dwg
TAB:D1 March 18, 2011 at: 6:40pm

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

GLACIER HIGHWAY EXTENSION

Culvert Summary

PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309
DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL C. STORY No. 8887-CE 4/18/11 REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON
DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION
GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

Culvert Summary

PROJECT DESIGNATION NUMBER
69583

STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
D1	52

I:\2010\101309\Autocad Drawings\DATA SHEETS.dwg PLOT: March 18, 2011 at: 6:49pm note

615 (1) & 615 (2) STANDARD SIGN SUMMARY

NUMBER	"O" STATION	OFF.	DESCRIPTION	ASDS CODE	ORIENTATION	DIM. (HXV)	AREA (SF)	POST SIZE	REMARKS
1	59+10	LT	STOP	R1-1	W.B.	30X30	NA	2.5	REMOVE & RELOCATE
2	61+00	RT	SPEED LIMIT 35	R2-1	N.B.	24X24	4	2.5	
3	104+10	RT	ENTERING NATIONAL FOREST	NFL-E	N.B.	18X18	NA	2.5	REMOVE & RELOCATE
4	104+10	LT	LEAVING NATIONAL FOREST	NFL-L	S.B.	18X18	NA	2.5	REMOVE & RELOCATE
5	112+12	LT	ENTERING NATIONAL FOREST	NFL-E	S.B.	18X18	NA	2.5	REMOVE & RELOCATE
6	123+46	RT	LEAVING NATIONAL FOREST	NFL-L	N.B.	18X18	NA	2.5	REMOVE & RELOCATE
7	130+89	RT	ENTERING NATIONAL FOREST	NFL-E	N.B.	18X18	NA	2.5	REMOVE & RELOCATE
8	131+31	LT	LEAVING NATIONAL FOREST	NFL-L	S.B.	18X18	NA	2.5	REMOVE & RELOCATE
9	163+84	LT	ENTERING NATIONAL FOREST	NFL-E	S.B.	18X18	NA	2.5	REMOVE & RELOCATE
10	164+81	RT	LEAVING NATIONAL FOREST	NFL-L	N.B.	18X18	NA	2.5	REMOVE & RELOCATE
11	198+39	RT	END ROAD 1000 FT	W14-101	N.B.	36X36	9	2.5	
12	204+00	LT	SPEED LIMIT 35	R2-1	S.B.	24X24	4	2.5	
13	206+13	RT	NO PARKING ANY TIME	R7S-10L	N.B.	18X9	1.13	2.5	ARROW POINTS LEFT
14	207+11	RT	NO PARKING ANY TIME	R7S-10R	N.B.	18X9	1.13	2.5	ARROW POINTS RIGHT
15	208+04	RT	ENTERING NATIONAL FOREST	NFL-E	N.B.	18X18	NA	2.5	REMOVE & RELOCATE
16	208+39	RT	END	W14-100	N.B.	36X36	9	2.5	
17	208+39	RT	OBJECT MARKER TYPE 4	OM4-1	N.B.	18X18	2.25	2.5	

611 (1) CULVERT OUTLET PROTECTION

NUMBER	STATION	OFF.	REMARKS
1	67+19	52.8	
2	199+13	38.0	

NOTE: ADDITIONAL CULVERT OUTLET PROTECTION AS DIRECTED BY ENGINEER.

642 (4) PRIMARY MONUMENT

STATION	OFFSET	STATION	OFFSET
68+39	17' RT	150+36	17' LT
74+61	17' LT	163+86	17' RT
87+58	17' RT	172+43	17' LT
98+69	17' LT	179+85	17' RT
117+53	17' LT	183+84	17' LT
120+41	17' RT	193+55	17' LT
132+05	17' RT	205+40	17' RT
141+72	17' RT	208+53	17' RT

NOTES:
1. INSTALL PER SECTION 642 - 3.01 AND STANDARD DRAWING M-13.01
2. THESE LOCATIONS ARE APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD

611 (1) BANK PROTECTION

NUMBER	STATION	OFF.	LT/RT OF CL	REMARKS
1	102+47	33	LT	
2	142+80	16	RT	

NOTE: ADDITIONAL BANK PROTECTION AS DIRECTED BY ENGINEER.

202 (1) REMOVAL OF STRUCTURES AND OBSTRUCTIONS

ITEM	STATION	LT/RT OF CL	REMARKS
GUARDRAIL	63+30 - 65+20	LT	
GATE	199+13	LT&RT	RELOCATE GATE TO STA 210+18, SEE SHEET E1.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE Date 4/2/14

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH: I:\2010\101309\Autocad Drawings\DATA SHEETS.dwg
TAB:D2 March 22, 2011 at: 10:08am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

GLACIER HIGHWAY EXTENSION

Miscellaneous Summaries

PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309
DESIGNED BY: M. STORY

STATE OF ALASKA 29TH MICHAEL C. STORY No. 6887-CE REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON
DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION
GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

Miscellaneous Summaries

PROJECT DESIGNATION NUMBER
69583

STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
D2	52

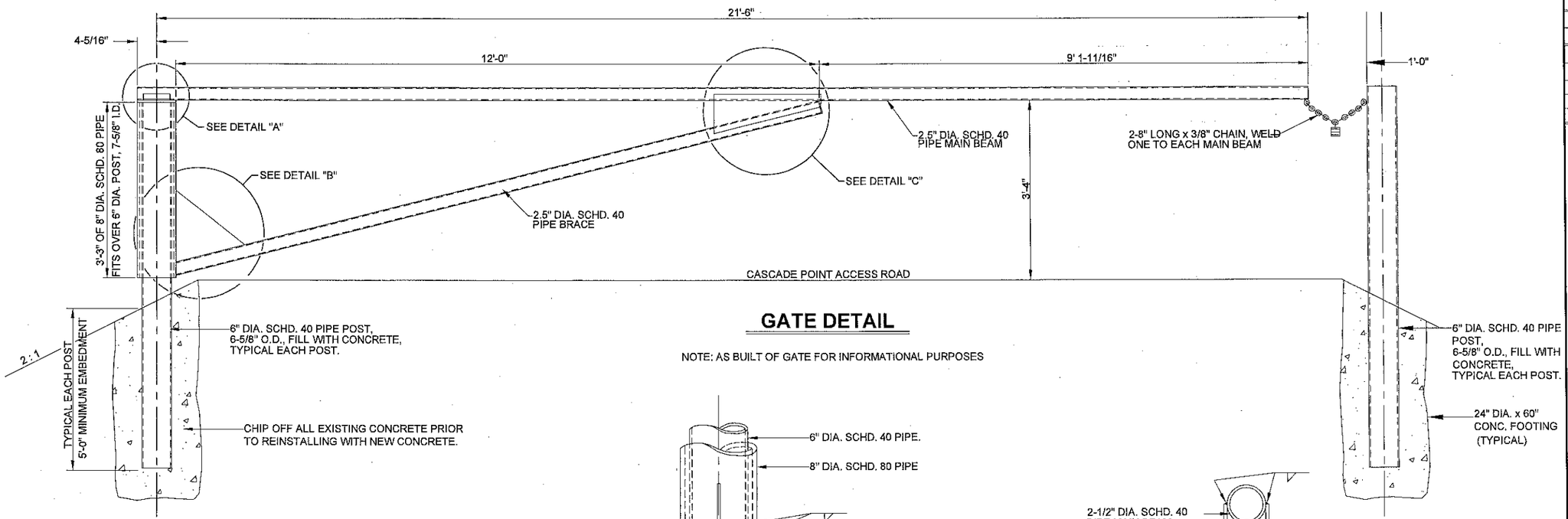
I:\2010\101309\Autocad Drawings\DATA SHEETS.dwg PLOT: March 22, 2011 at: 10:08am nate

ADDENDUM NUMBER

ATTACHMENT NUMBER

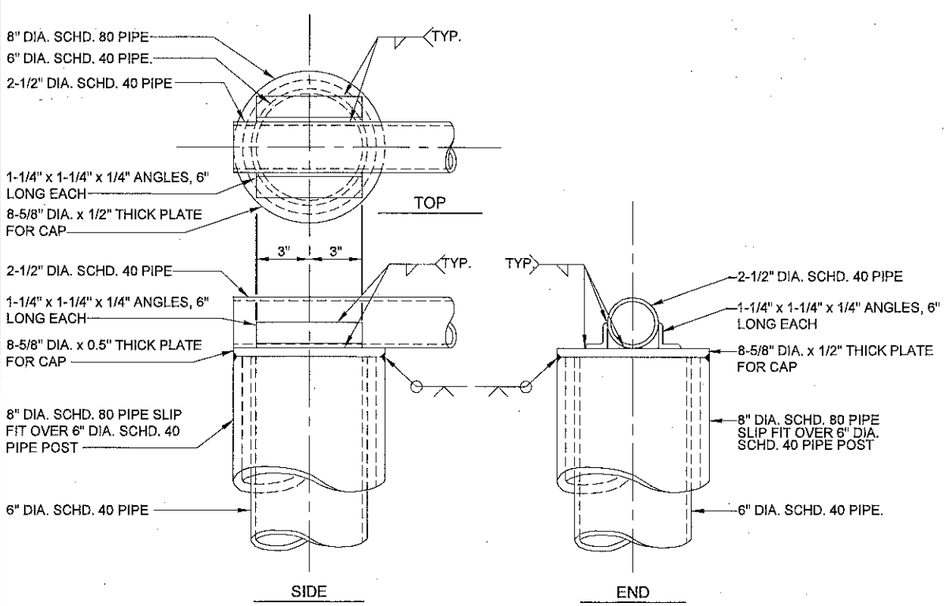
RECORD OF REVISIONS

No.	DATE	DESCRIPTION

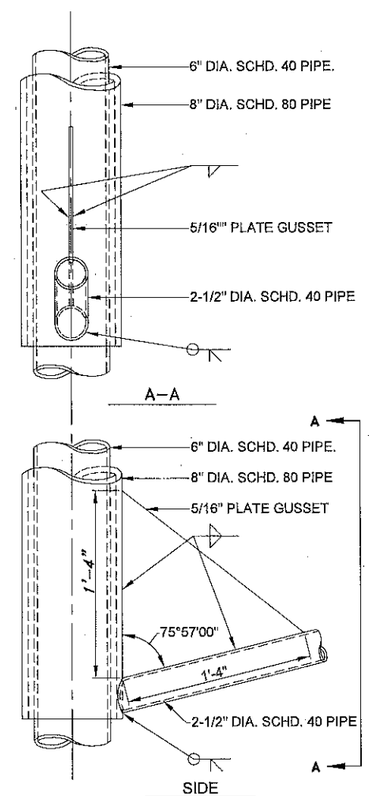


GATE DETAIL

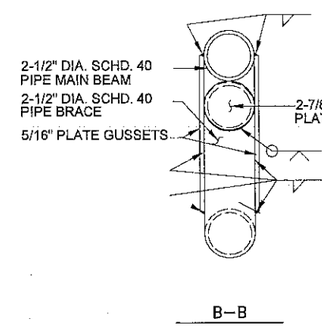
NOTE: AS BUILT OF GATE FOR INFORMATIONAL PURPOSES

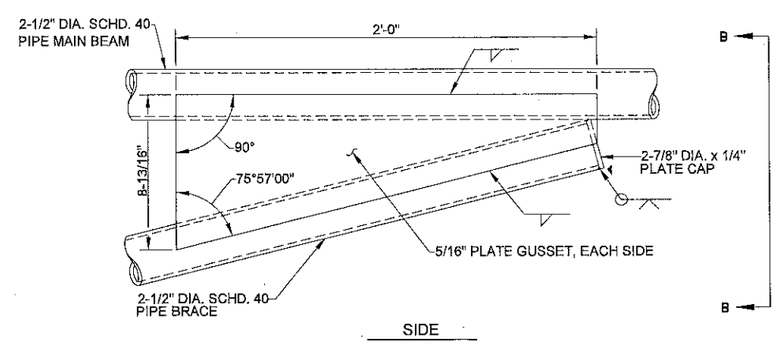


DETAIL "A"



DETAIL "B"





DETAIL "C"

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

PE Date 4/4/14

SCALE FROM THESE DRAWINGS, USE DIMENSIONS

GLACIER HIGHWAY EXTENSION

MISCELLANEOUS DETAILS

PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309
DESIGNED BY: M. STORY

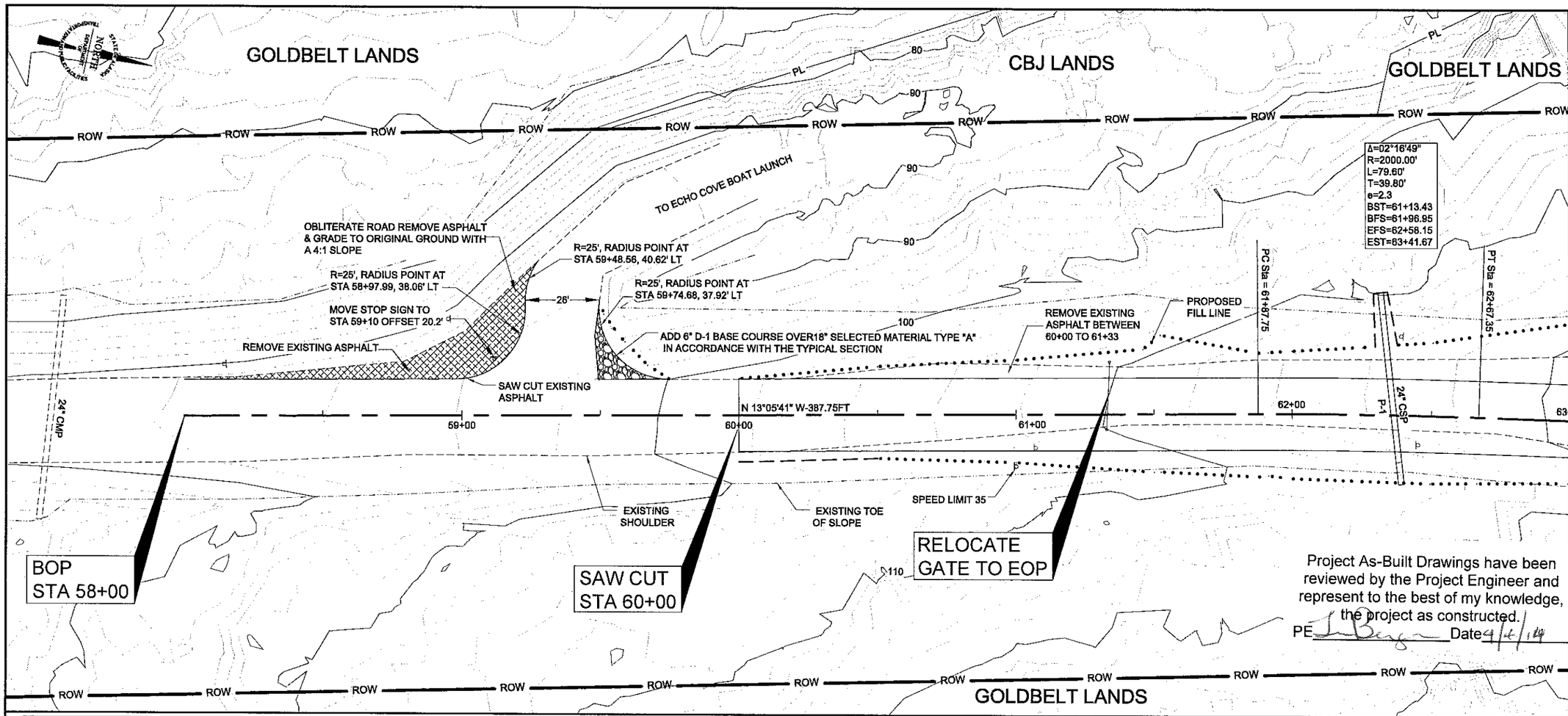
STATE OF ALASKA 49TH MICHAEL C. STORY No. 6887-EE 5/18/11 REGISTERED PROFESSIONAL ENGINEER

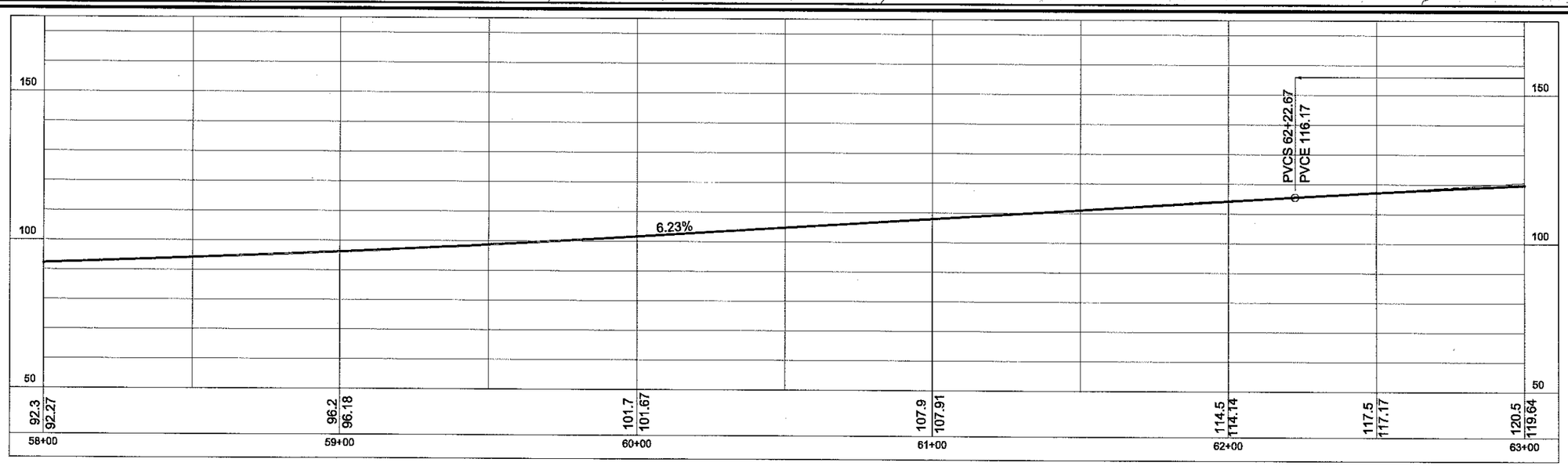
CHECKED BY: M. JOHNSON
DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION
GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

MISCELLANEOUS DETAILS

PROJECT DESIGNATION NUMBER	
69583	
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
E1	52





DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

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TAB:F1 March 23, 2011 at: 12:28pm

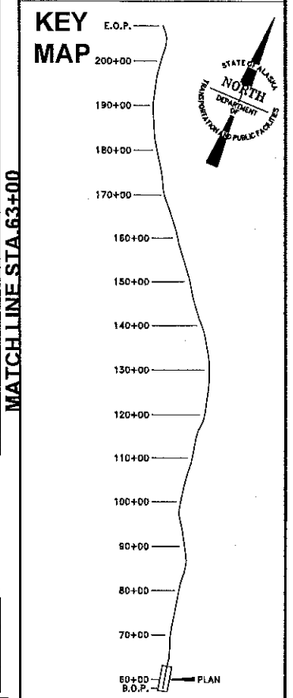
ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KEY MAP



PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL O. STORY No. 8887-CE 3/28/11 REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON

DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

PLAN & PROFILE

PROJECT DESIGNATION NUMBER

69583

STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F1	52

PATH: I:\2010\101309\Autocad Drawings\EP\101309wk.dwg

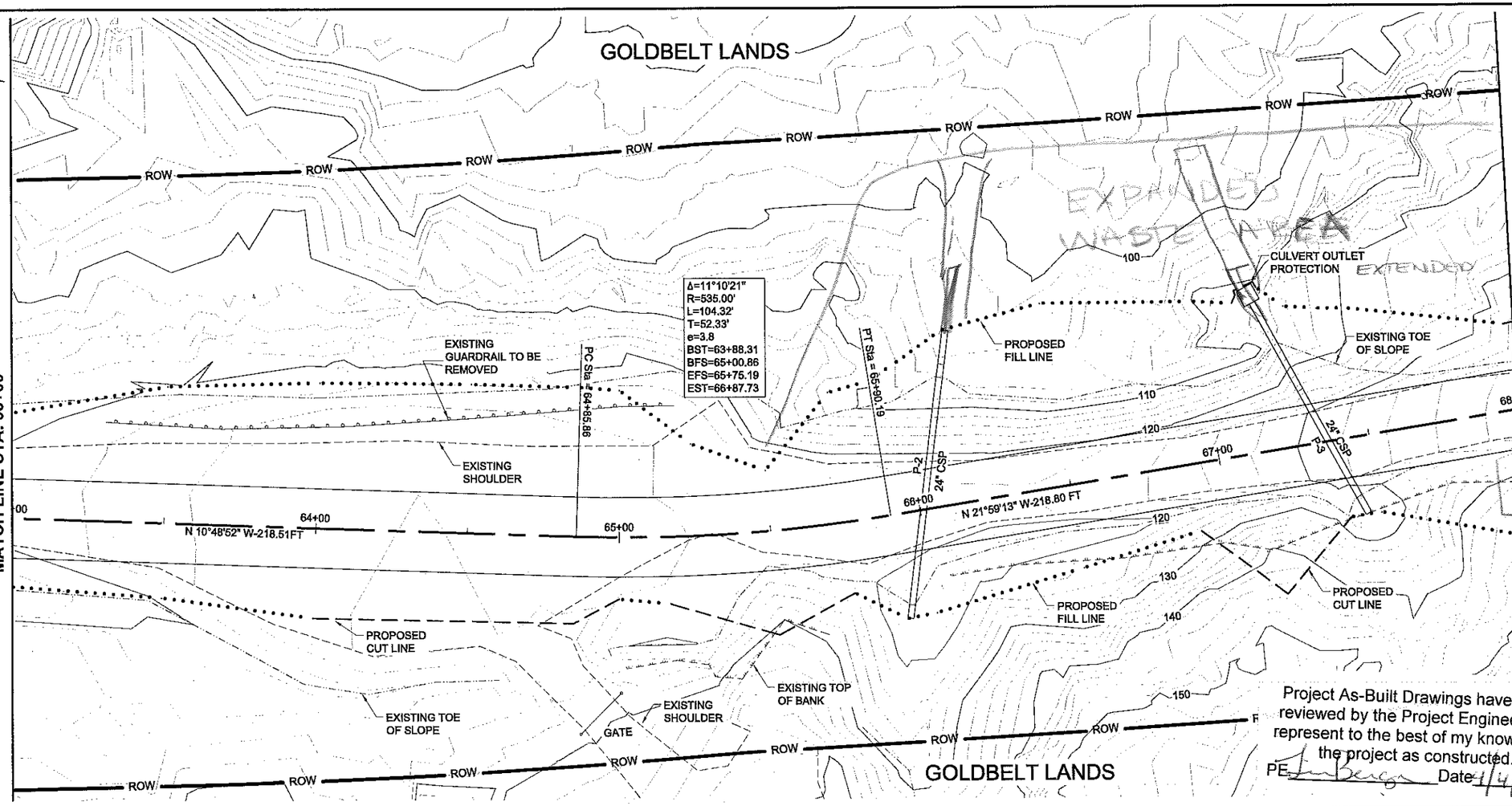
TAB:F2 March 23, 2011 at: 7:49am

ADDENDUM NUMBER

ATTACHMENT NUMBER

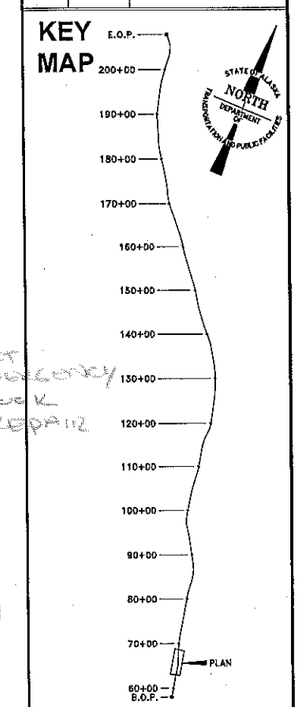
RECORD OF REVISIONS

No.	DATE	DESCRIPTION



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

PE [signature] Date 1/4/14



PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL C. STORY No. 6887-CE REGISTERED PROFESSIONAL ENGINEER

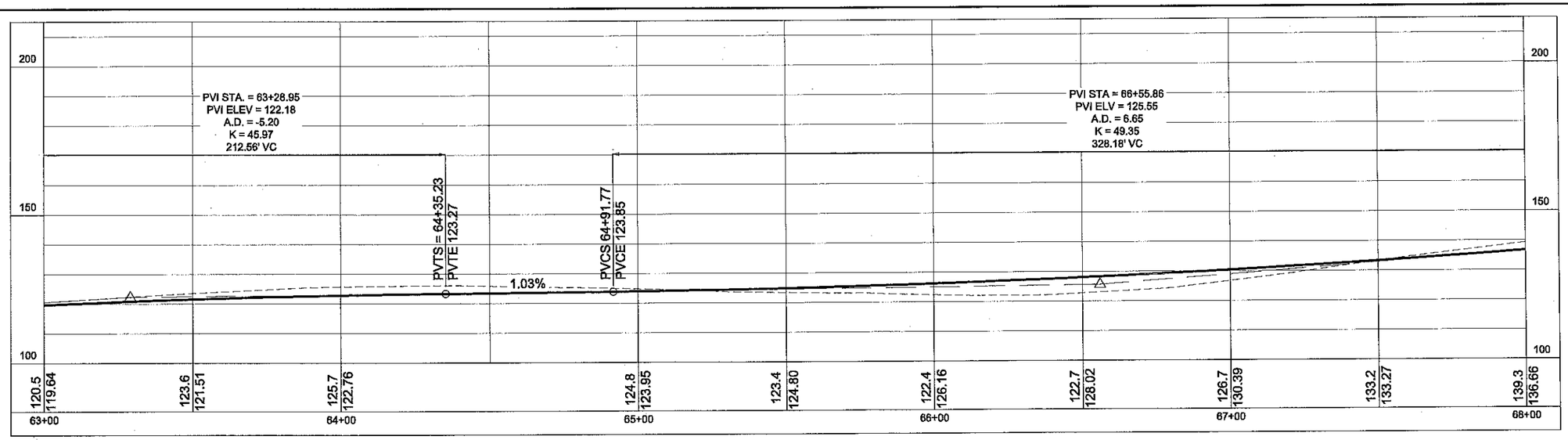
CHECKED BY: M. JOHNSON

DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

PLAN & PROFILE

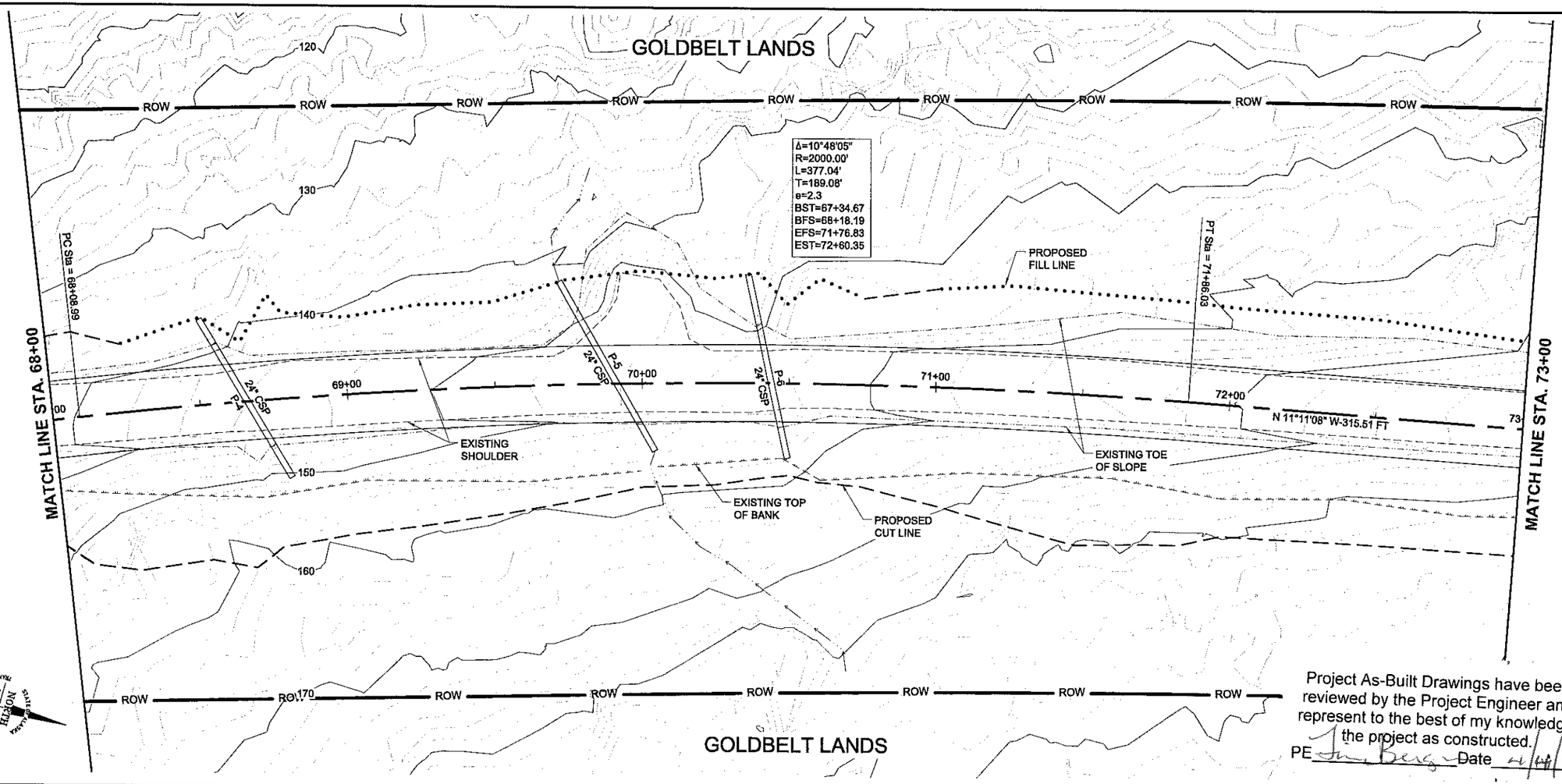


PROJECT DESIGNATION NUMBER
69583

STATE	YEAR
ALASKA	2011

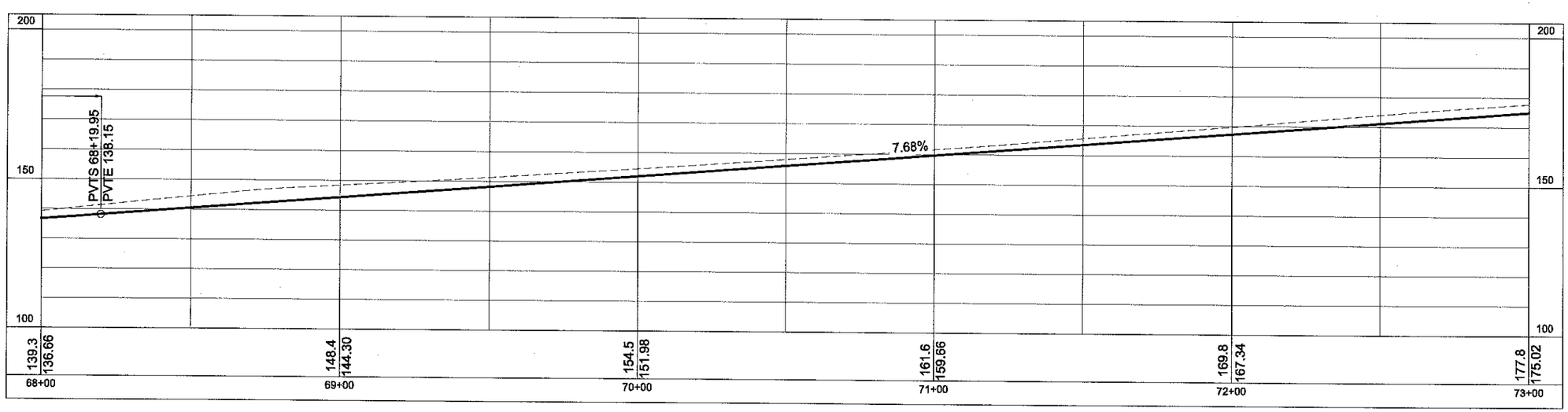
SHEET NUMBER	TOTAL SHEETS
F2	52

DO NOT SCALE FROM THESE DRAWINGS. USE DIMENSIONS



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

PE Jim Berg Date 4/14/14



DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH: I:\2010\101309\Autocad Drawings\EP\101309wk.dwg

TAB:F3 March 23, 2011 at: 7:50am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

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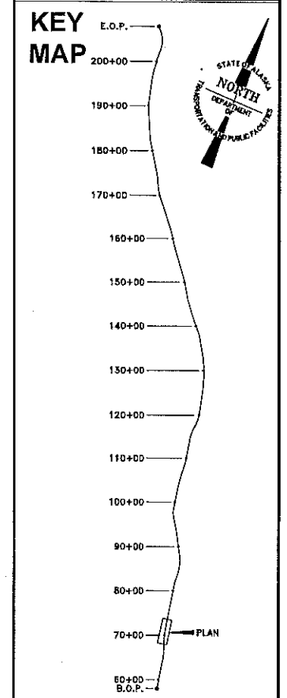


PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL O. STORY No. 8887-CE REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON

DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

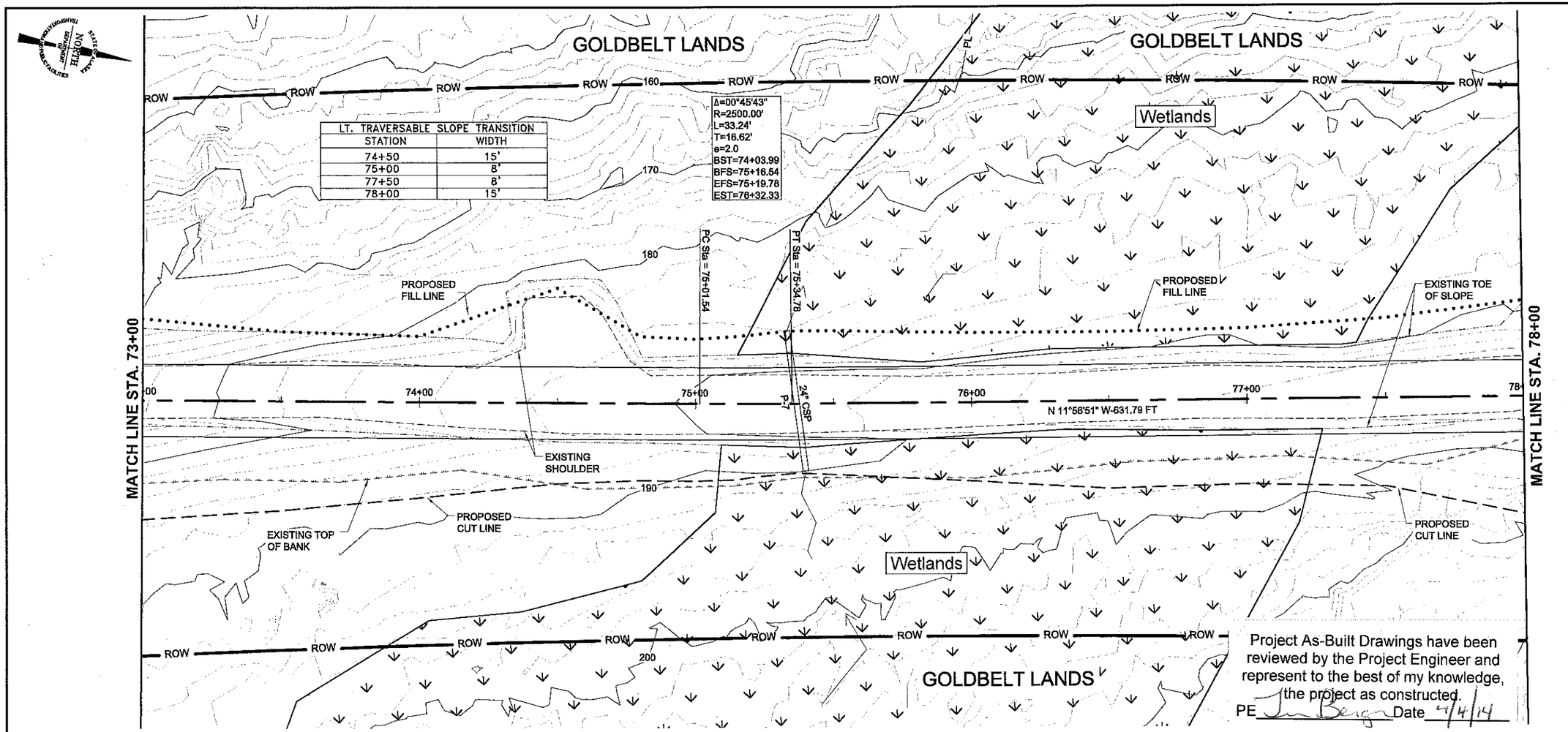
GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

PLAN & PROFILE

PROJECT DESIGNATION NUMBER

69583

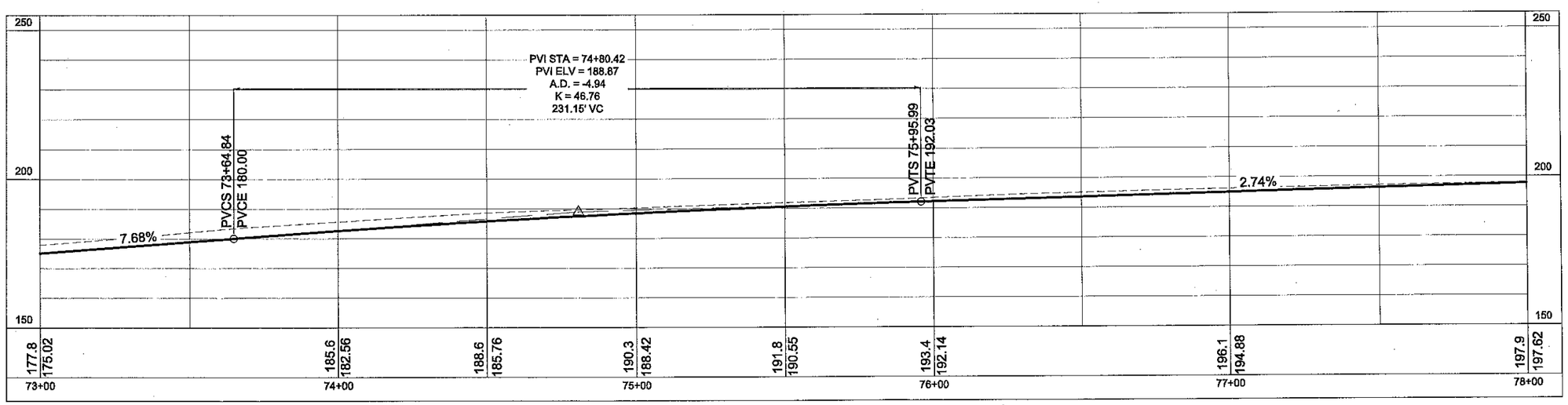
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F3	52



LT. TRAVERSABLE SLOPE TRANSITION	
STATION	WIDTH
74+50	15'
75+00	8'
77+50	8'
78+00	15'

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

PE _____ Date 4/4/14



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TAB:F4 March 23, 2011 at: 7:53am

ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

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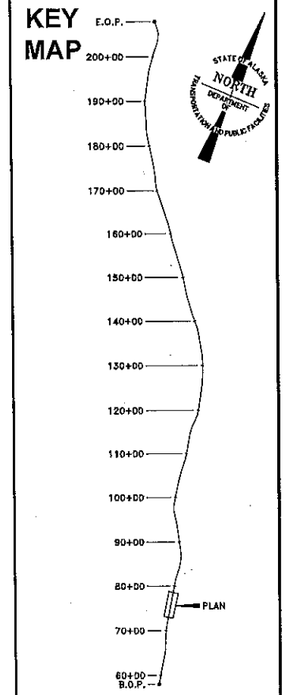


PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL C. STORY No. 8867-CE 3/24/11 REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON

DRAWN BY: N. PURVES

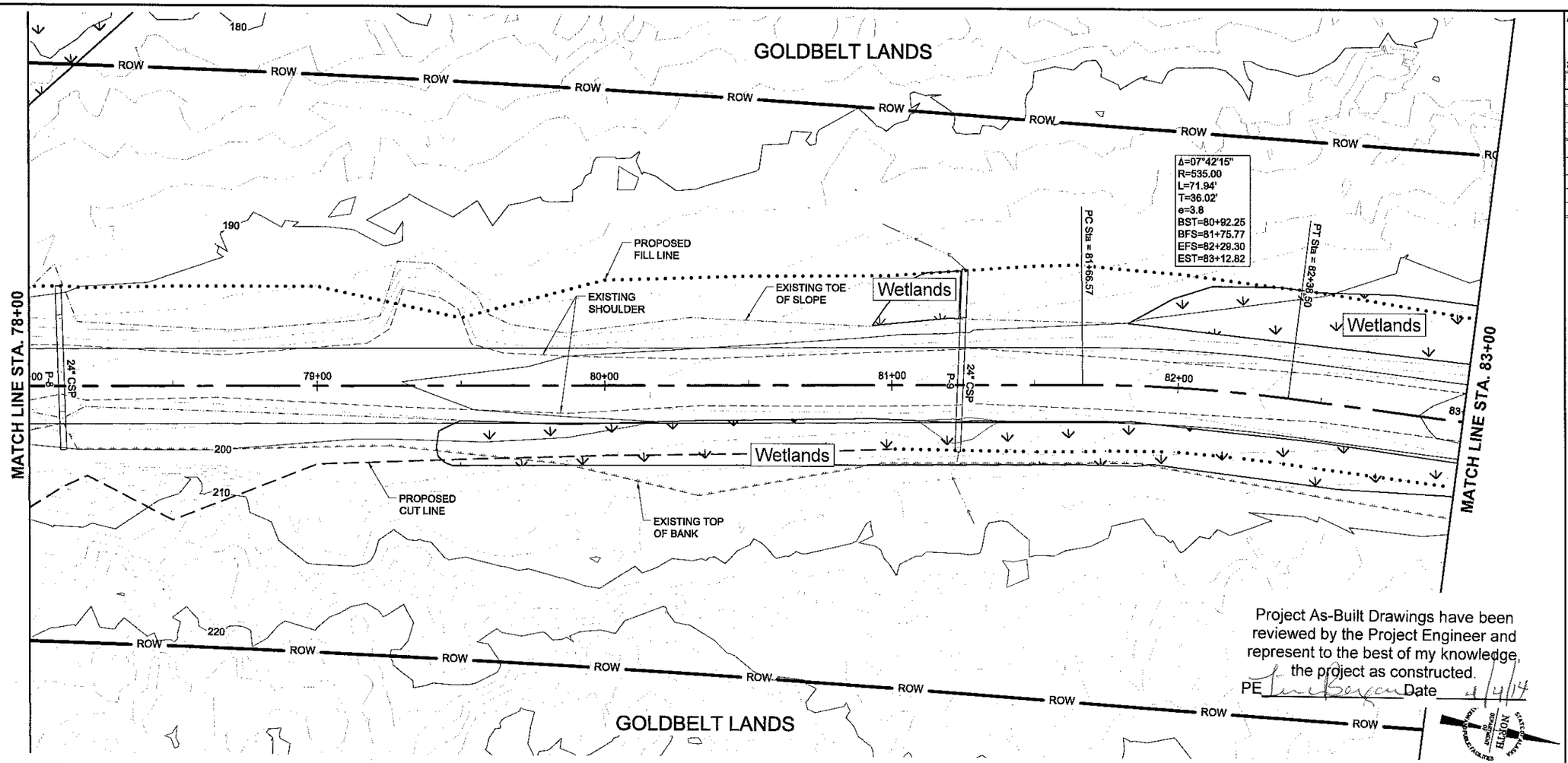
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

PLAN & PROFILE

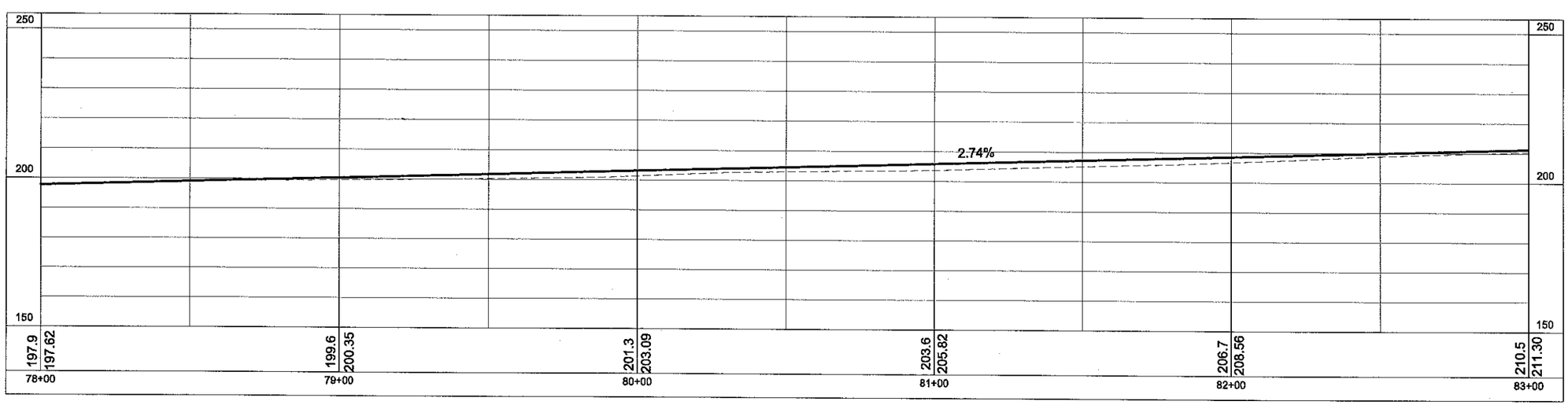
PROJECT DESIGNATION NUMBER	
69583	
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F4	52

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS



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

PE _____ Date 4/4/14



DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

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TAB:F5 March 22, 2011 at: 3:22pm

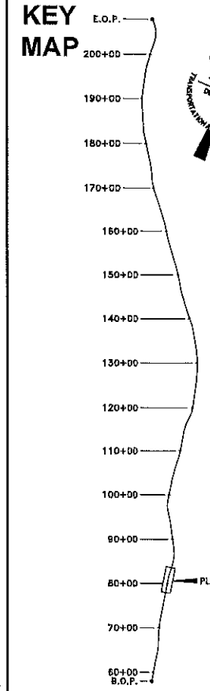
ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KEY MAP



PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL C. STORY No.10887-CE REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON

DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

PLAN & PROFILE

PROJECT DESIGNATION NUMBER	
69583	
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F5	52

PATH: I:\2010\101309\Autocad Drawings\EP\101309wk.dwg

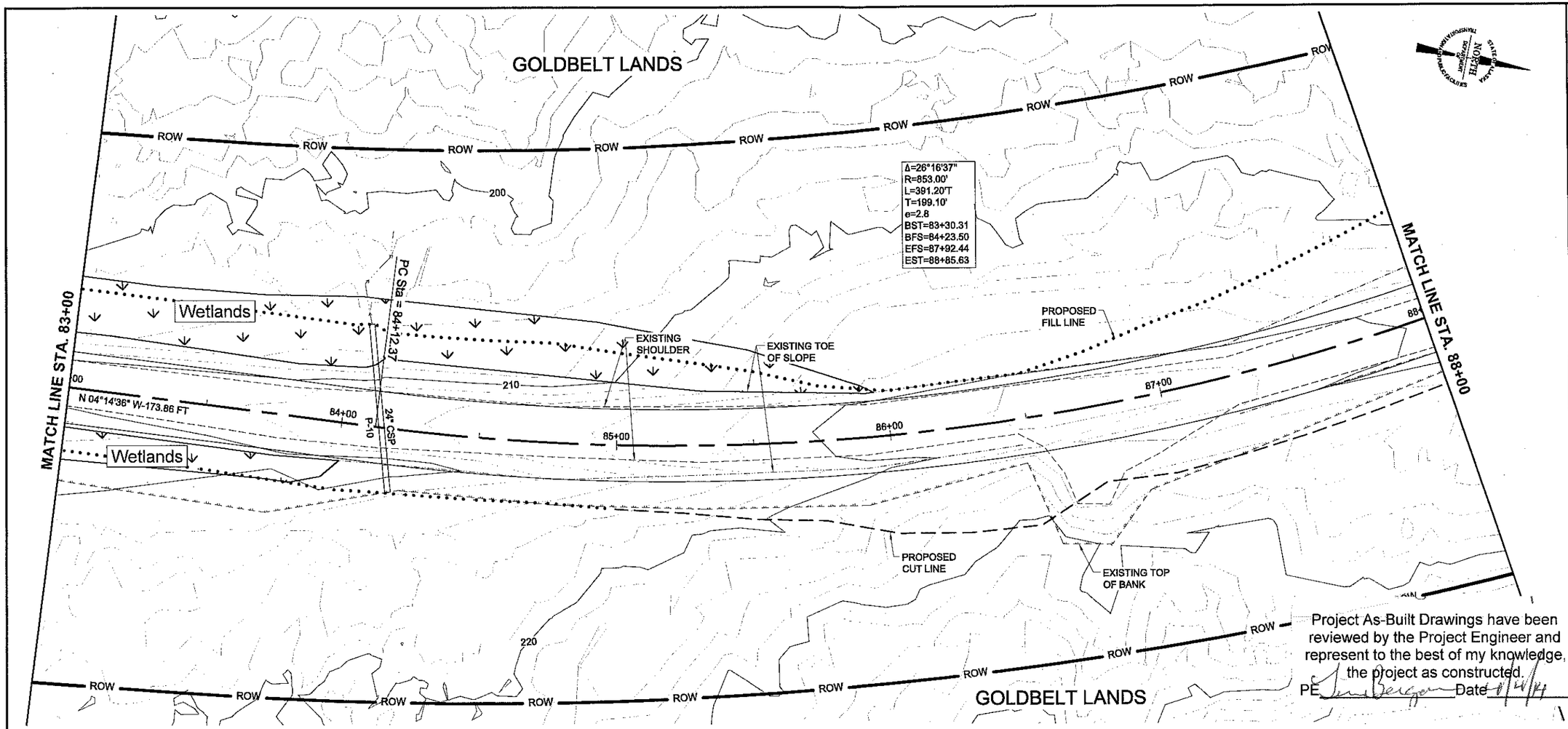
TAB:F6 March 23, 2011 at: 7:55am

ADDENDUM NUMBER

ATTACHMENT NUMBER

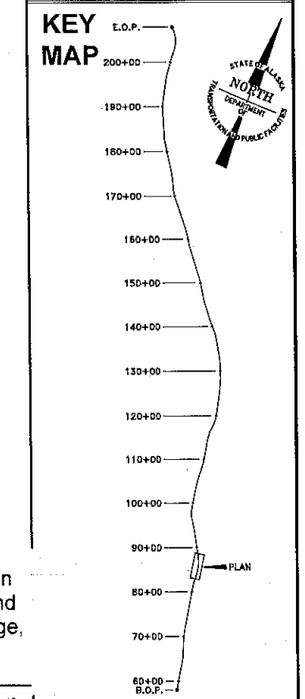
RECORD OF REVISIONS

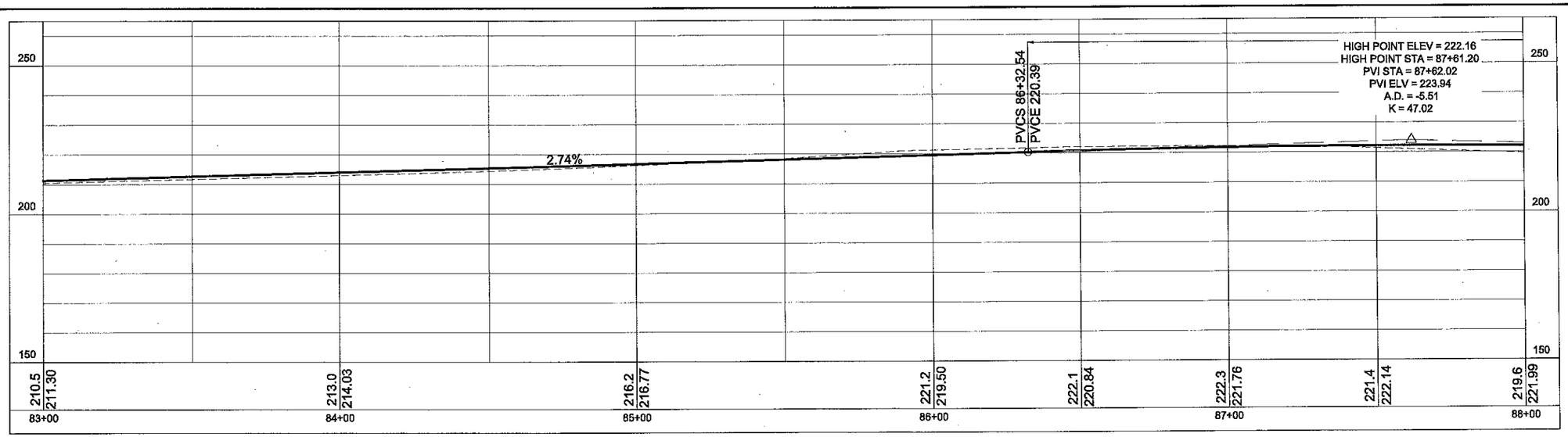
No.	DATE	DESCRIPTION



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

PE Jim Bergman Date 4/14/11





PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL C. STORY No. 8687-CE REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON

DRAWN BY: N. PURVES

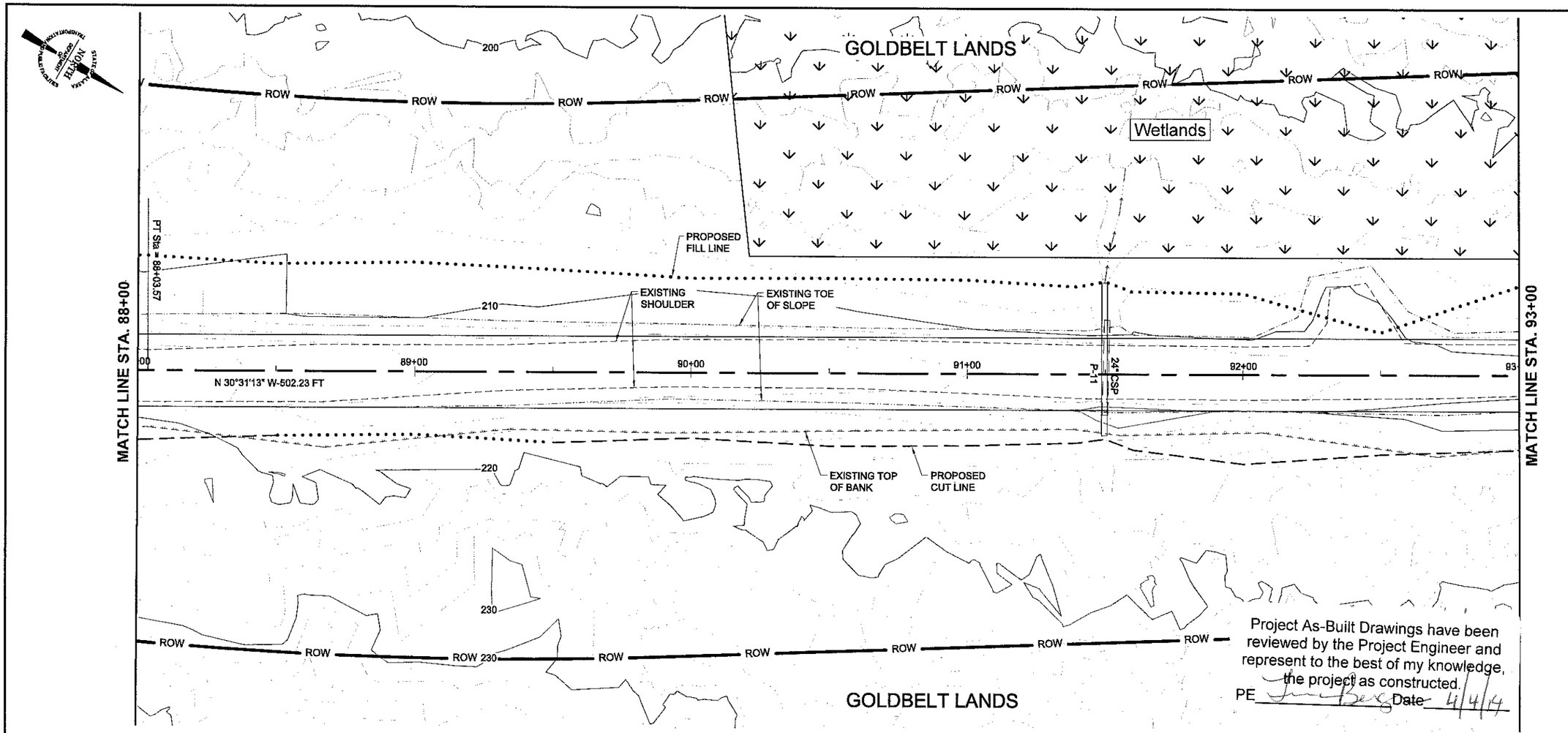
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

PLAN & PROFILE

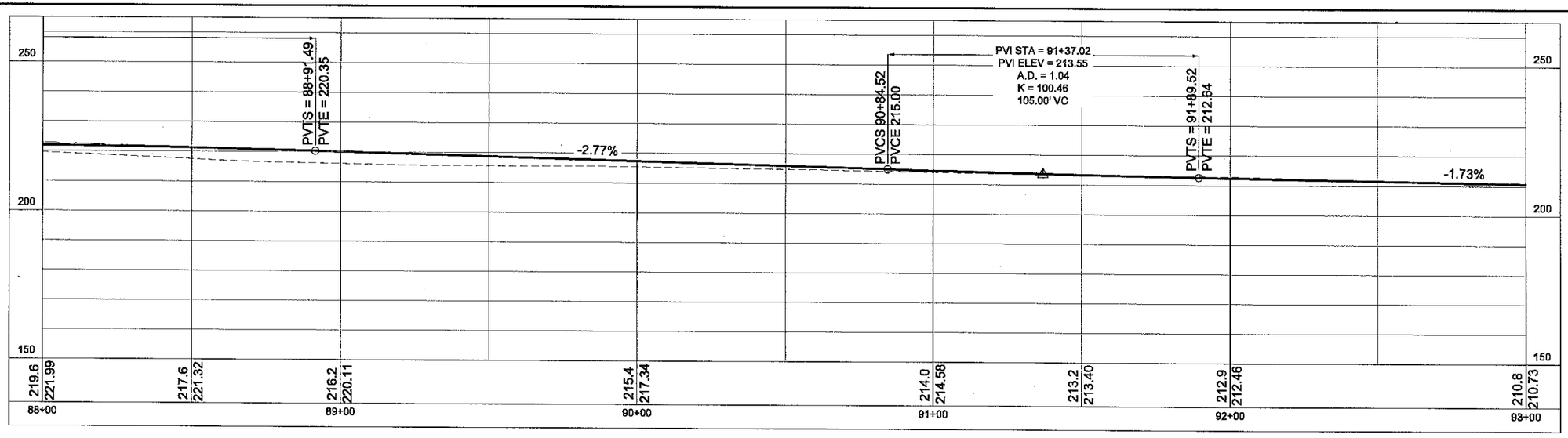
PROJECT DESIGNATION NUMBER	
69583	
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F6	52

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS



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

PE _____ Date 4/4/14



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TAB:F7 March 23, 2011 at: 7:56am

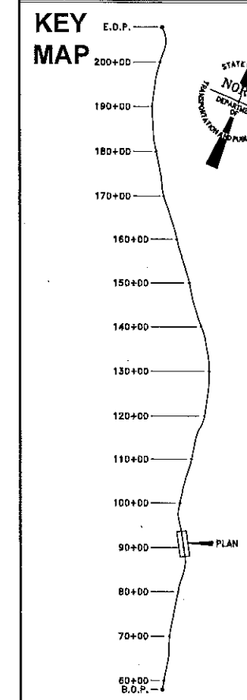
ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KEY MAP



PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL C. STORY No. 8887-CE REGISTERED PROFESSIONAL ENGINEER 4/4/11

CHECKED BY: M. JOHNSON

DRAWN BY: N. PURVES

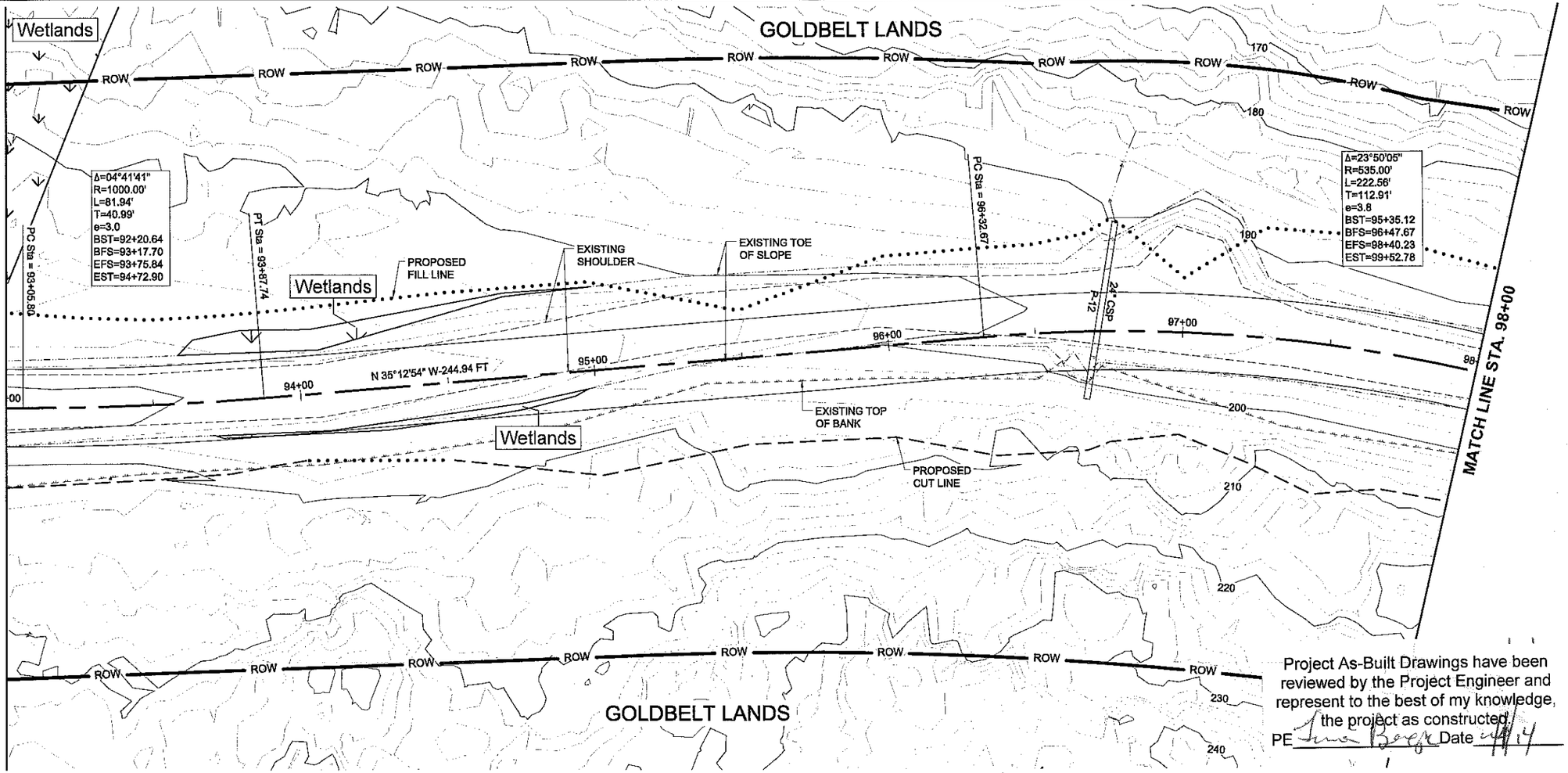
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

PLAN & PROFILE

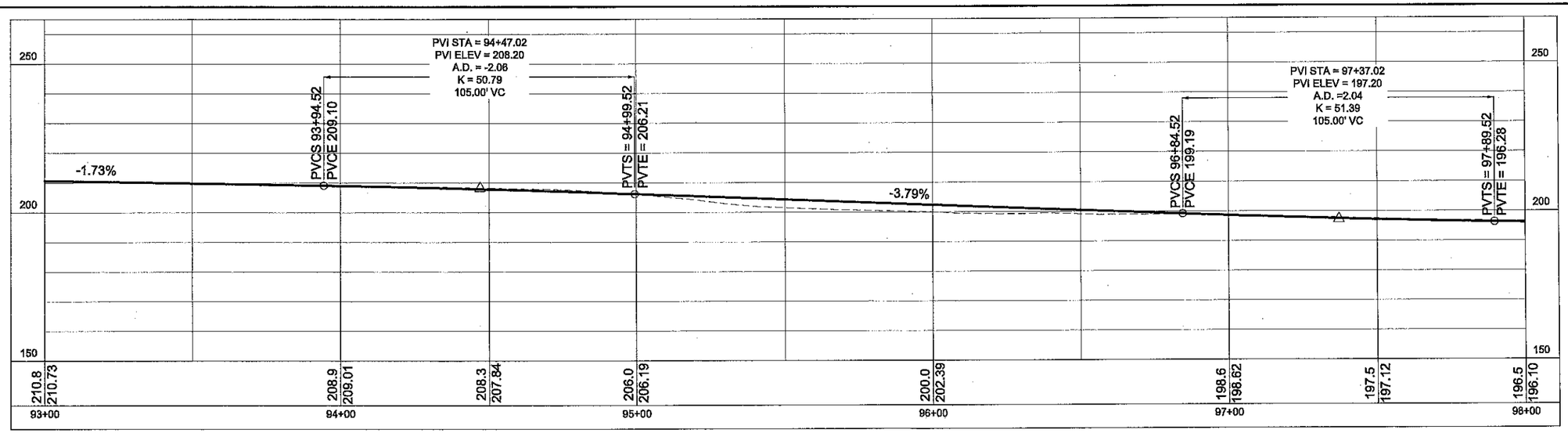
PROJECT DESIGNATION NUMBER	
69583	
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F7	52

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS



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

PE Date



DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH: I:\2010\101309\Autocad Drawings\EP\101309wk.dwg

TAB:F8 March 23, 2011 at: 7:58am

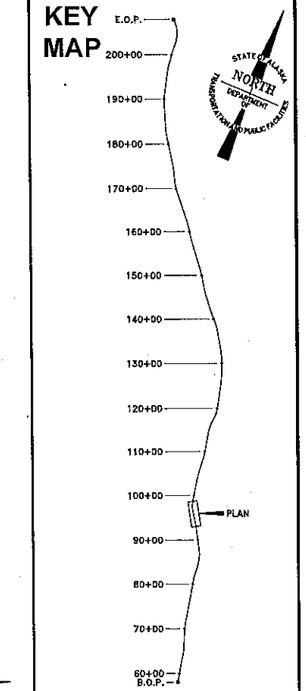
ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KEY MAP



PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL C. STORY No. 6887-CE

CHECKED BY: M. JOHNSON

DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

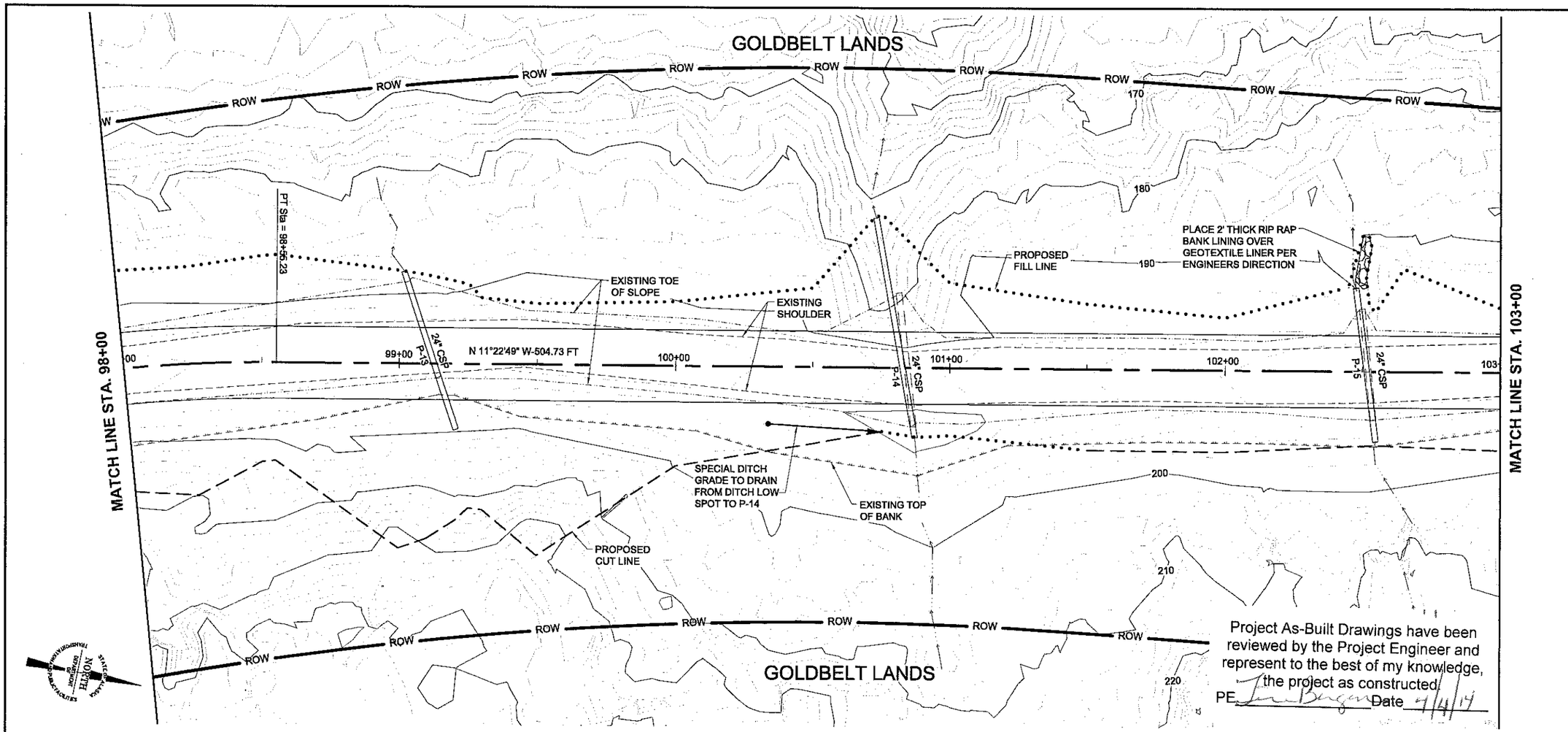
GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

PLAN & PROFILE

PROJECT DESIGNATION NUMBER
69583

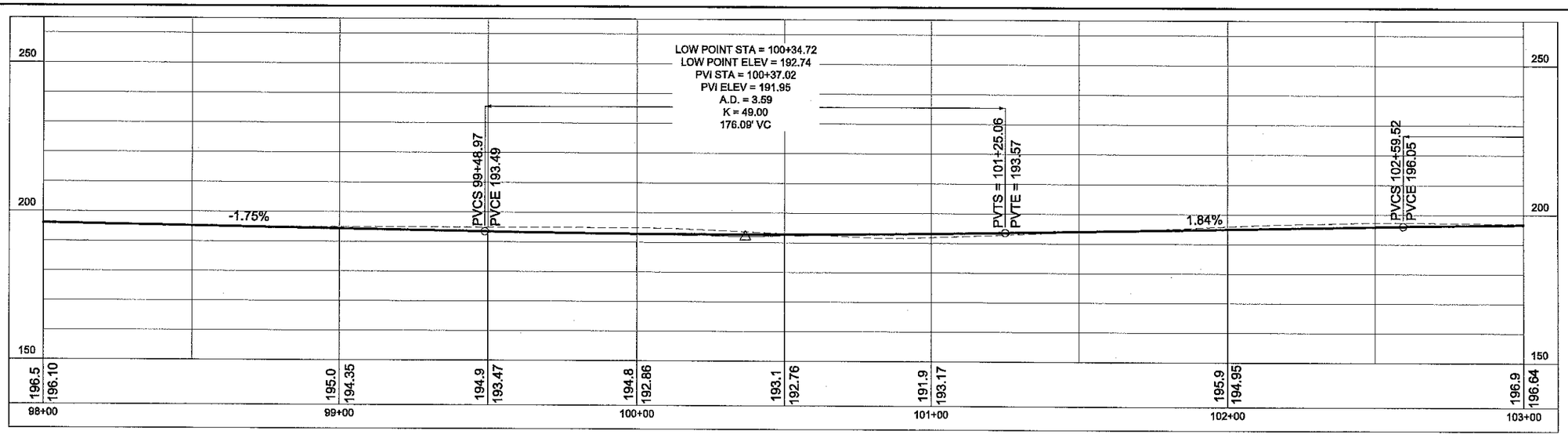
STATE	YEAR
ALASKA	2011

SHEET NUMBER	TOTAL SHEETS
F8	52



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

PE _____ Date 4/4/14



DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

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TAB:F9 March 23, 2011 at: 8:02am

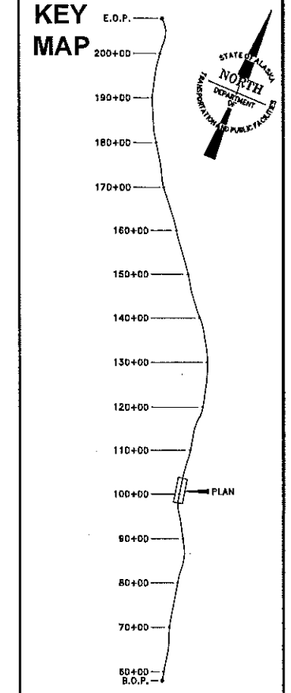
ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KEY MAP



PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL C. STORY No. 4887-CE REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON

DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

PLAN & PROFILE

PROJECT DESIGNATION NUMBER

69583

STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F9	52

PATH: I:\2010\101309\Autocad Drawings\EP\101309wk.dwg

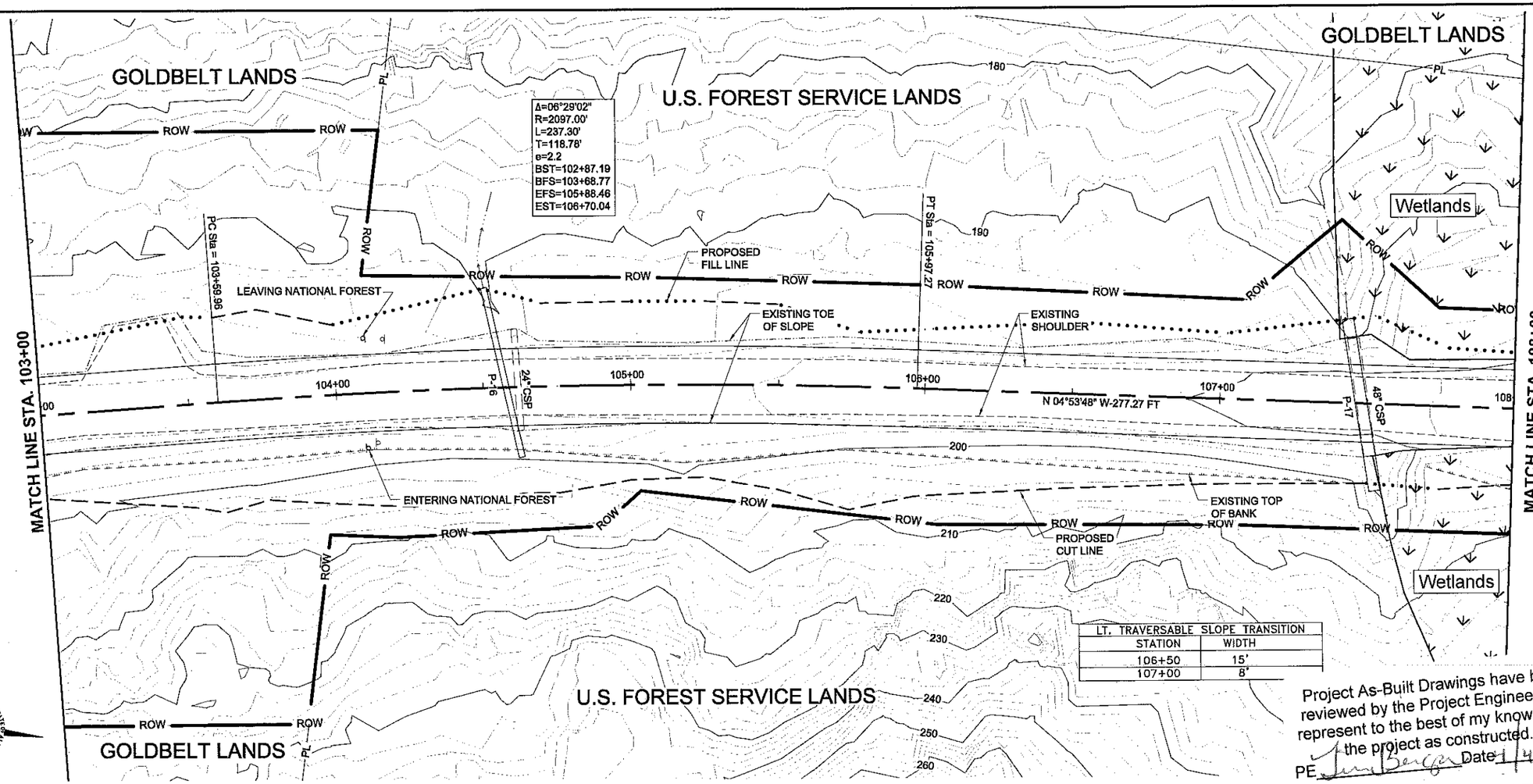
TAB:F10 March 23, 2011 at: 8:06am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

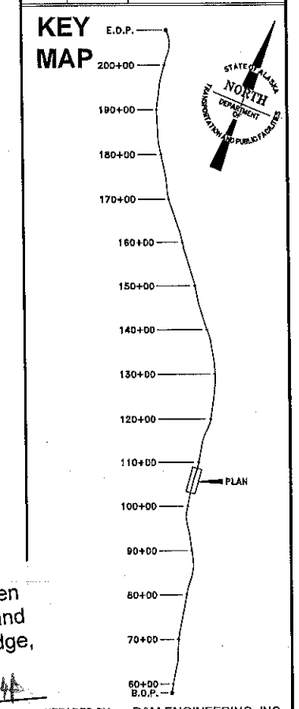


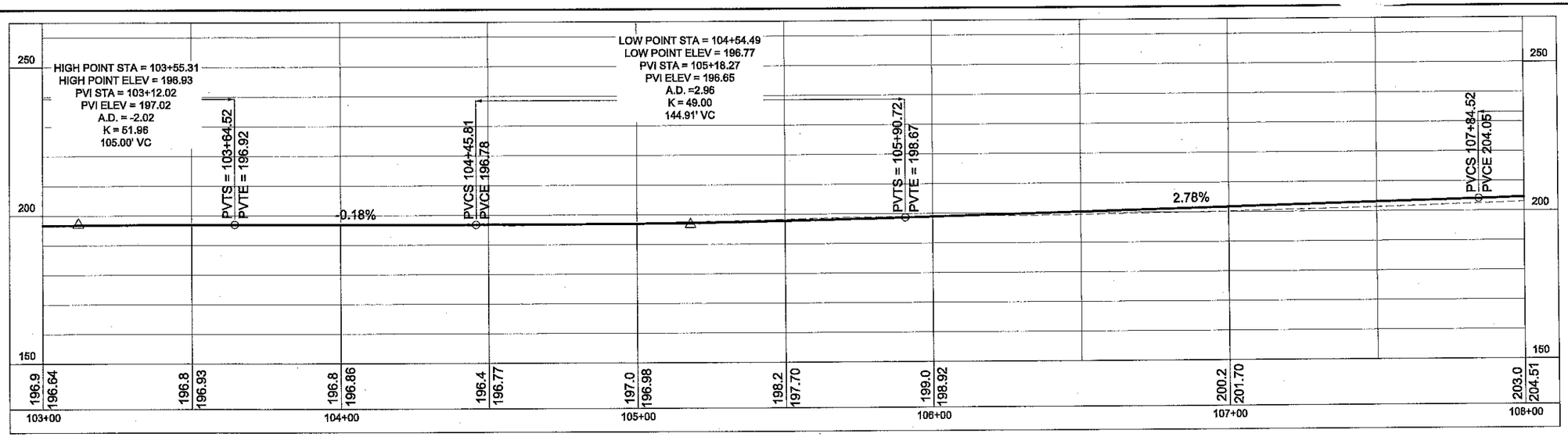
LT. TRAVERSABLE SLOPE TRANSITION	
STATION	WIDTH
106+50	15'
107+00	8'

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

PE Jerry Berger Date 1/4/14

KEY MAP





PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL G. STORY No. 6827-SE REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON

DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

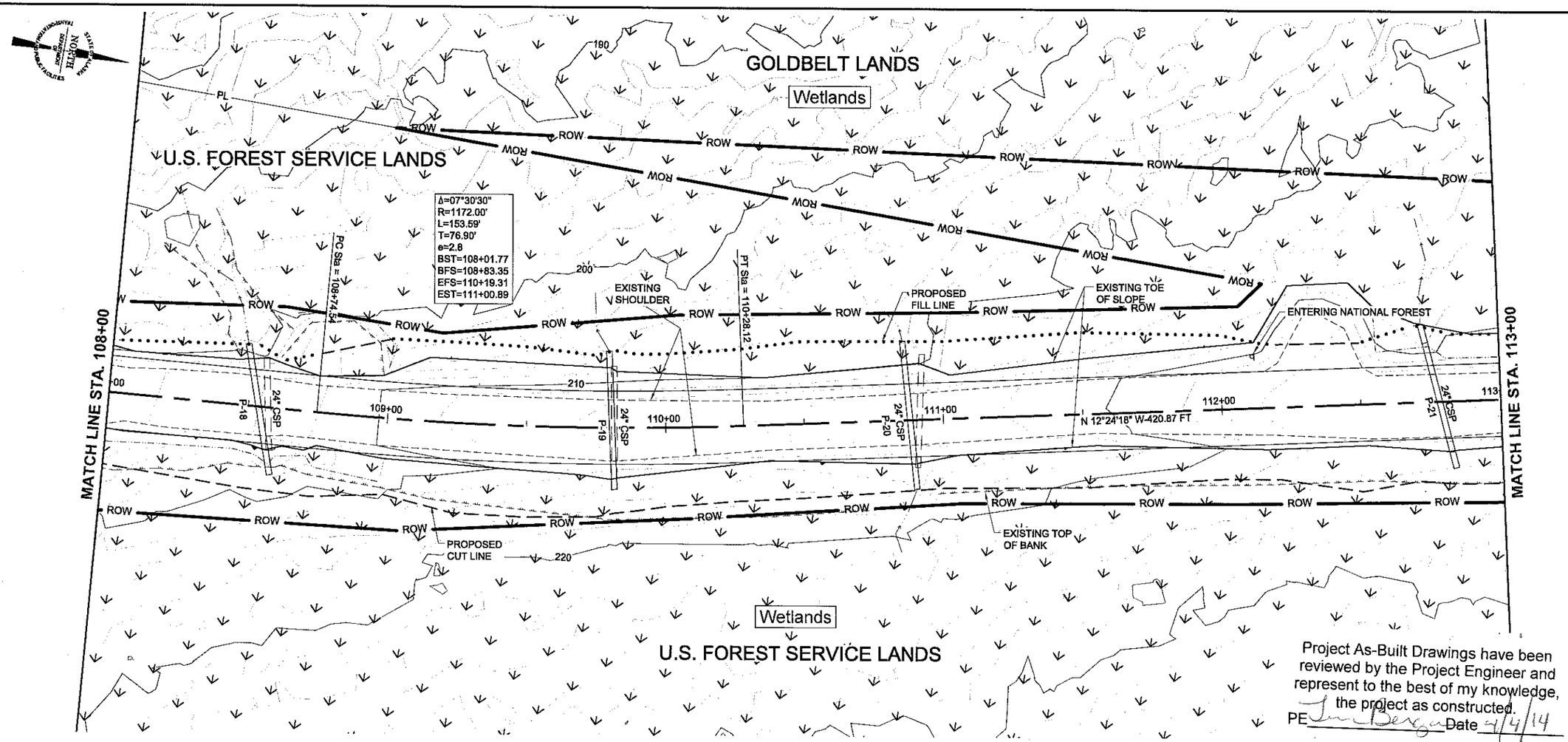
PLAN & PROFILE

PROJECT DESIGNATION NUMBER
69583

STATE	YEAR
ALASKA	2011

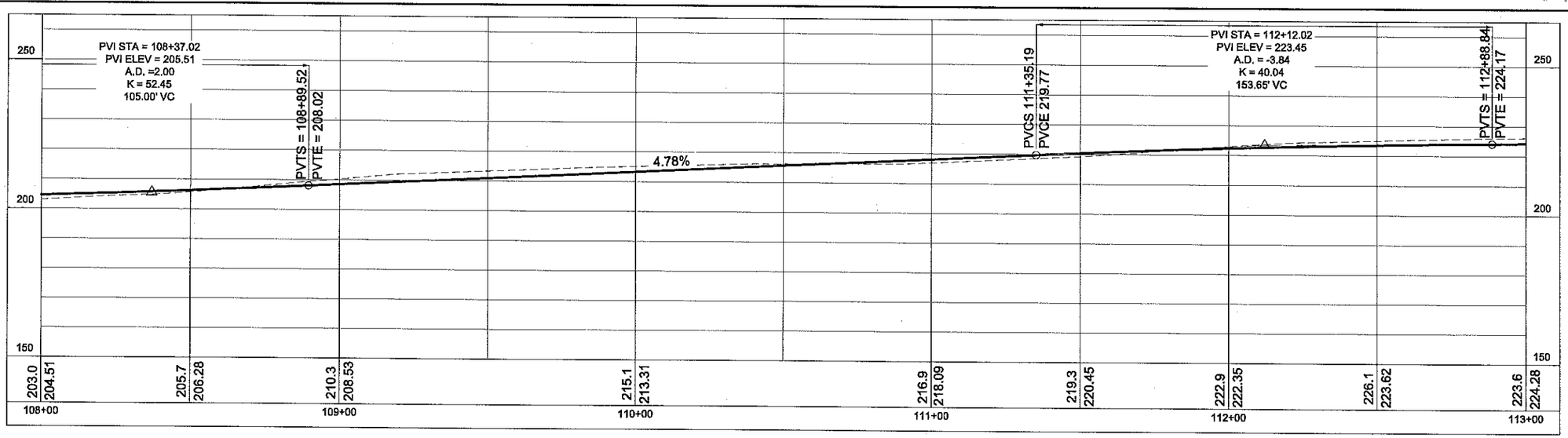
SHEET NUMBER	TOTAL SHEETS
F10	52

DO NOT SCALE FROM THESE DRAWINGS. USE DIMENSIONS



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

PE Jim Berger Date 4/4/14



DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

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TAB:F11 March 23, 2011 at: 8:08am

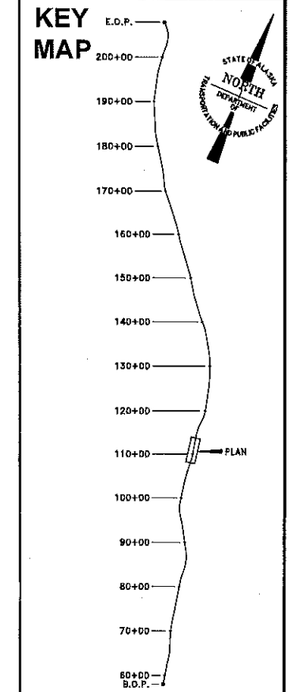
ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KEY MAP



PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL C. STORY No. 5887-CE 6/24/11 REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON

DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

PLAN & PROFILE

PROJECT DESIGNATION NUMBER

69583

STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F11	52

PATH: I:\2010\101309\Autocad Drawings\EP\101309wk.dwg

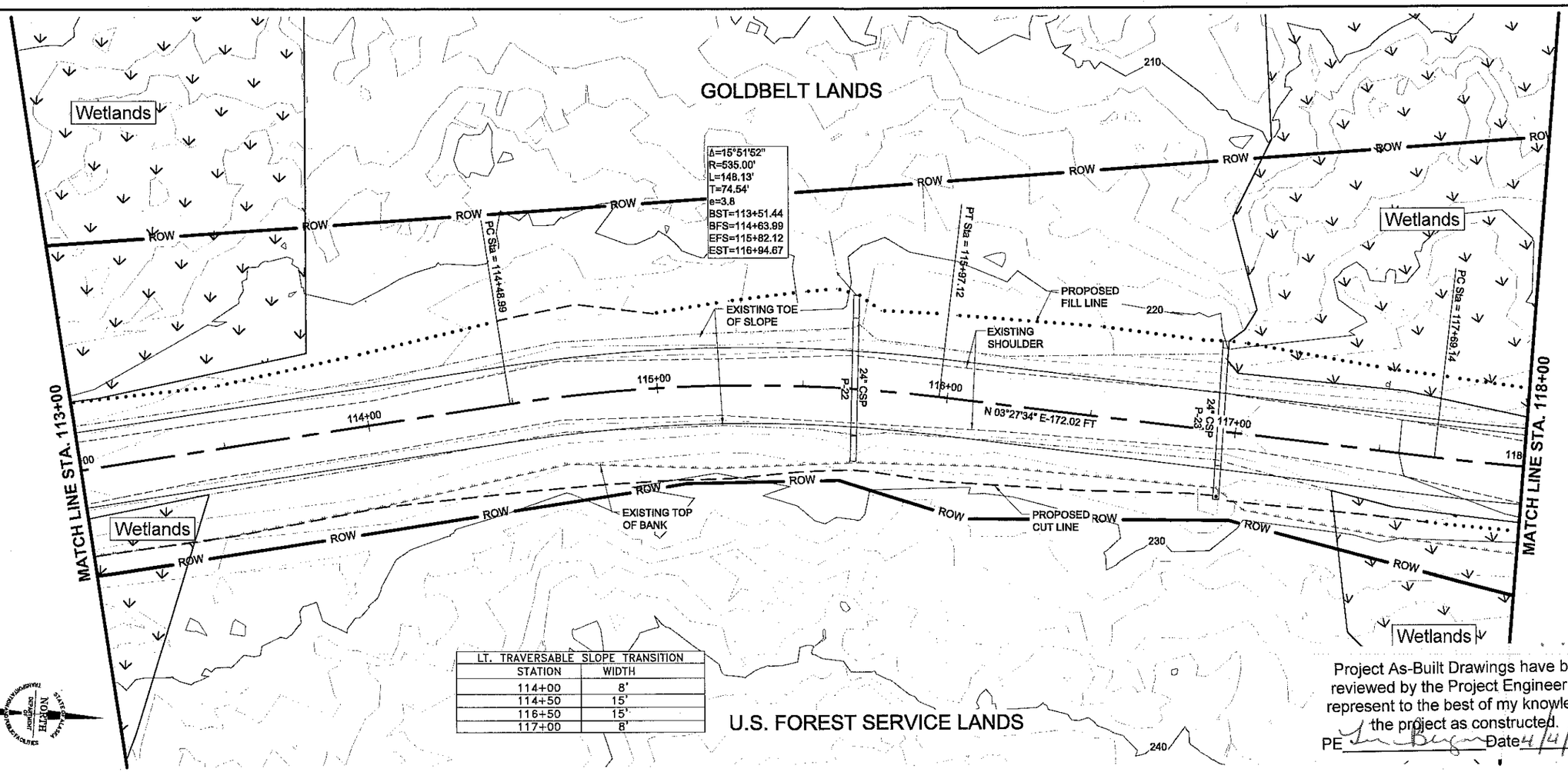
TAB:F12 March 23, 2011 at: 10:39am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

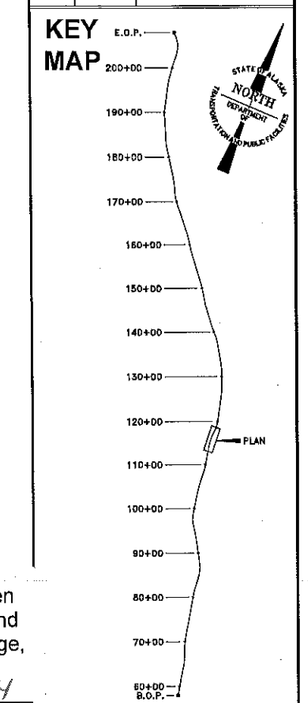


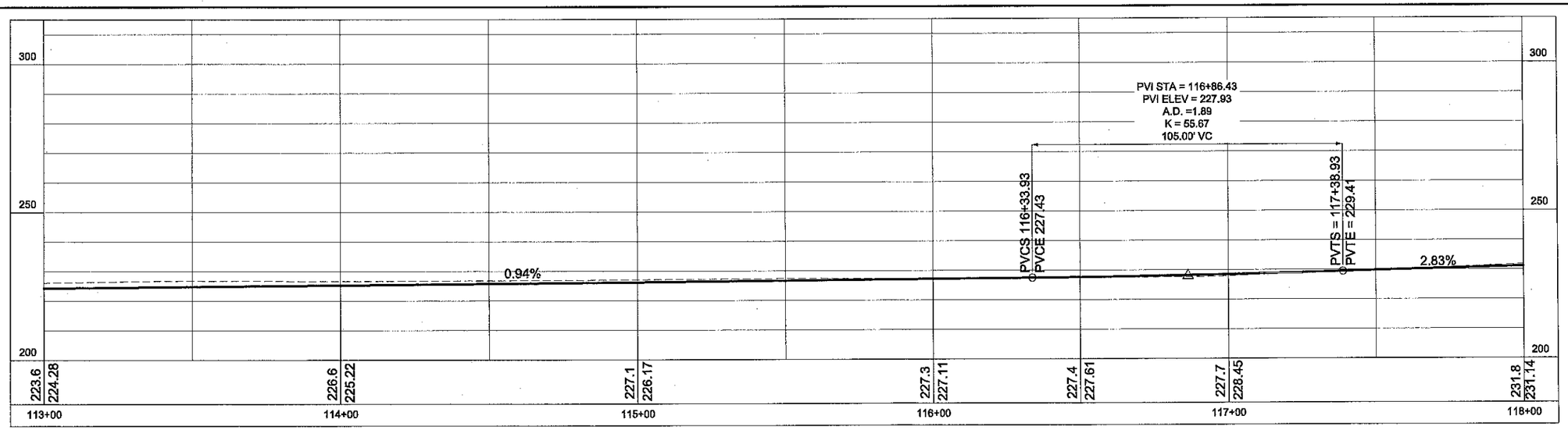
LT. TRAVERSABLE SLOPE TRANSITION	
STATION	WIDTH
114+00	8'
114+50	15'
116+50	15'
117+00	8'

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

PE [signature] Date 4/4/14

KEY MAP





PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL G. STORY No. 8887-CE 3/21/11 REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON

DRAWN BY: N. PURVES

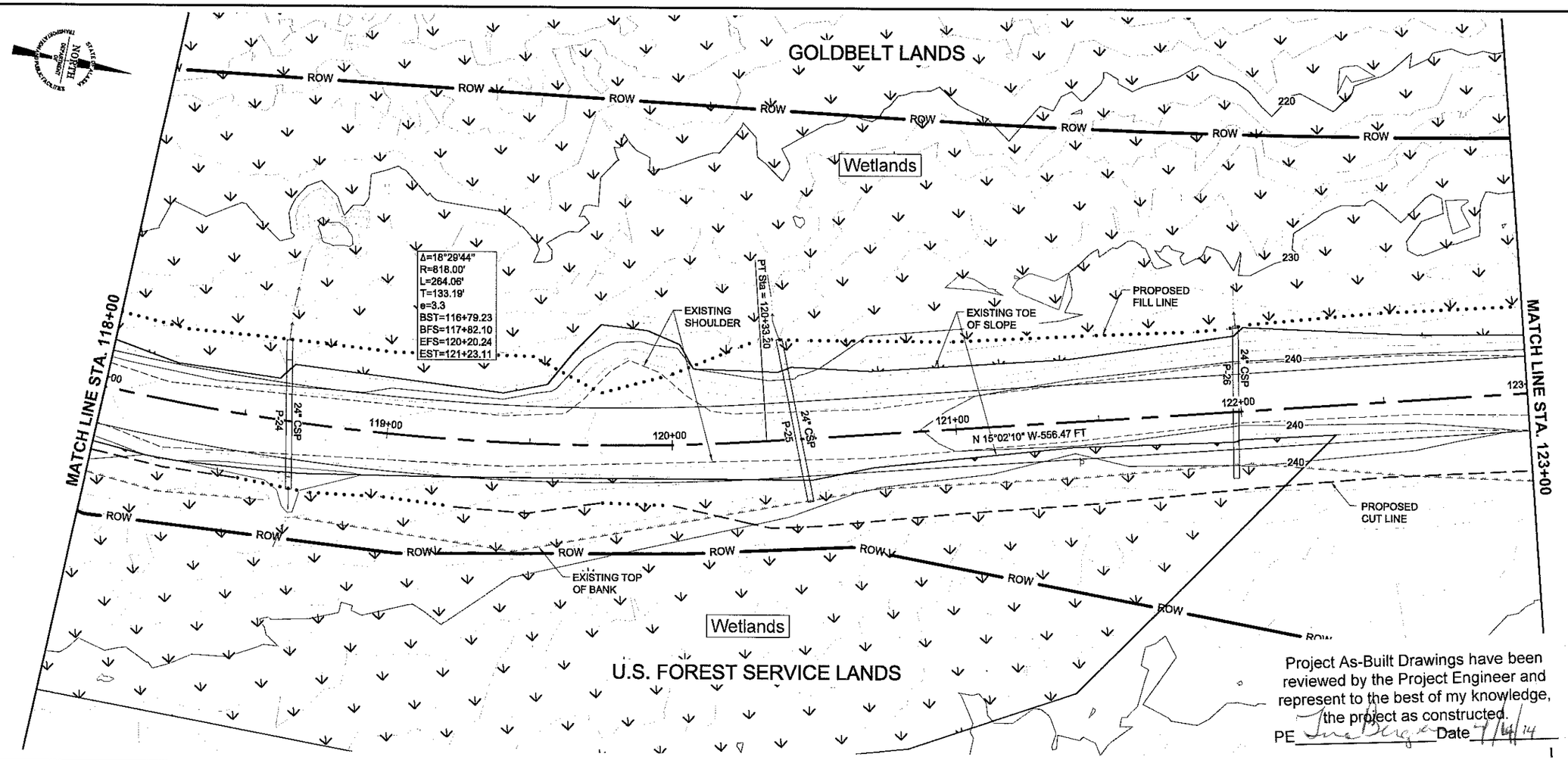
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

PLAN & PROFILE

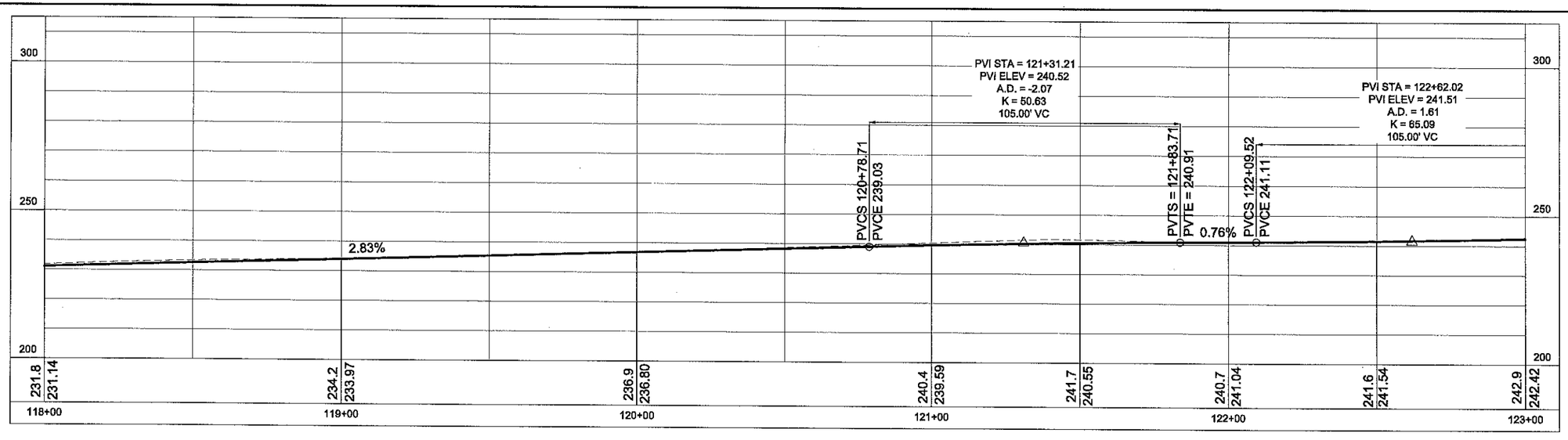
PROJECT DESIGNATION NUMBER	
69583	
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F12	52

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS



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

PE [signature] Date 7/14/14



DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

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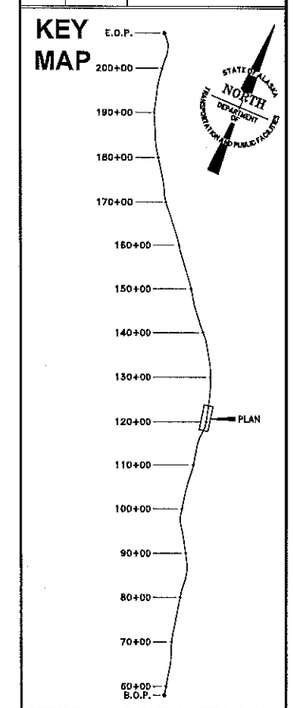
ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KEY MAP



PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL E. STORY No. 6887-CE REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON

DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

PLAN & PROFILE

PROJECT DESIGNATION NUMBER	
69583	
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F13	52

PATH: I:\2010\101309\Autocad Drawings\EP\101309wk.dwg

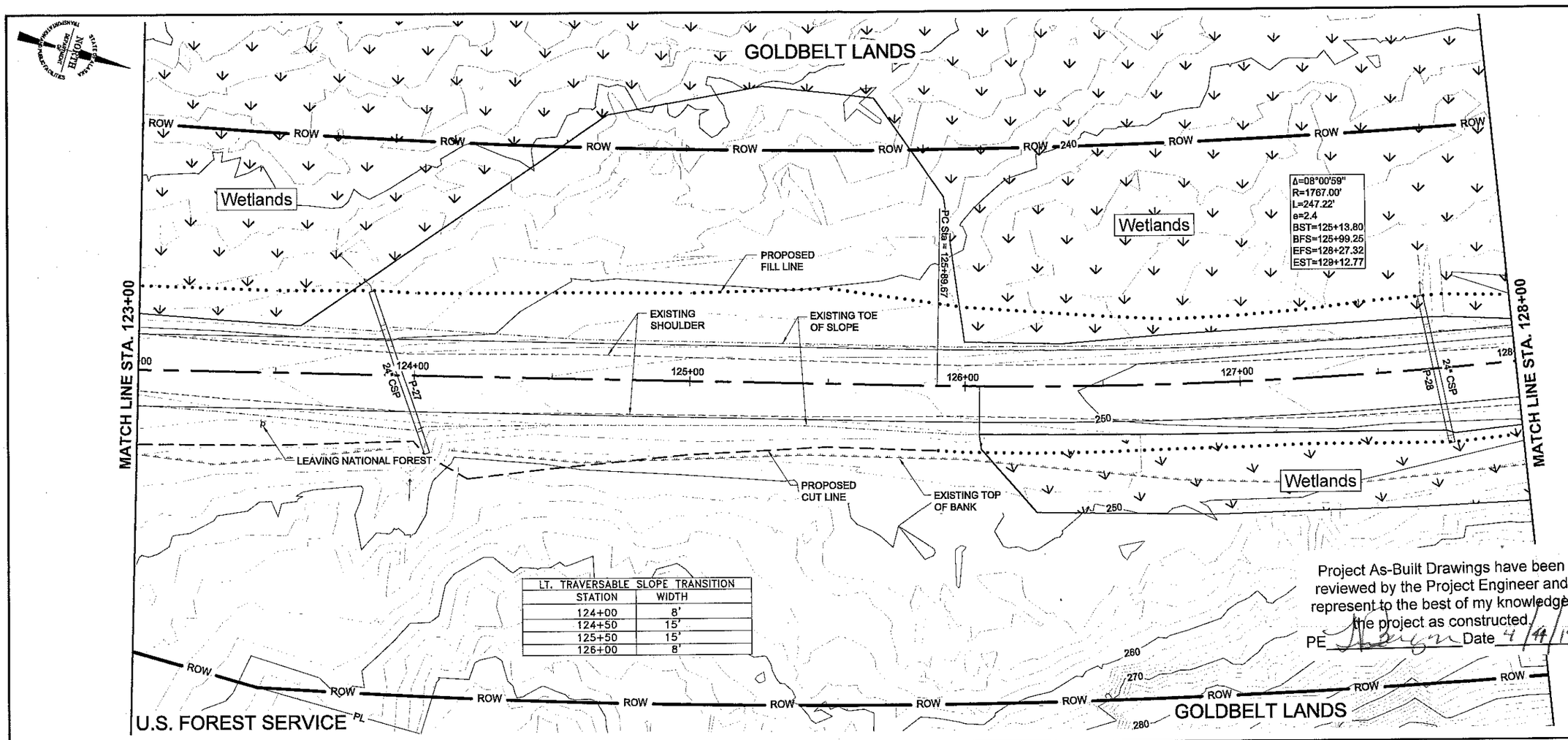
TAB:F14 March 23, 2011 at: 8:14am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

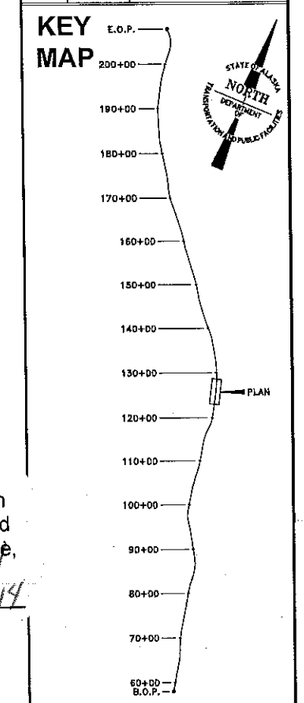


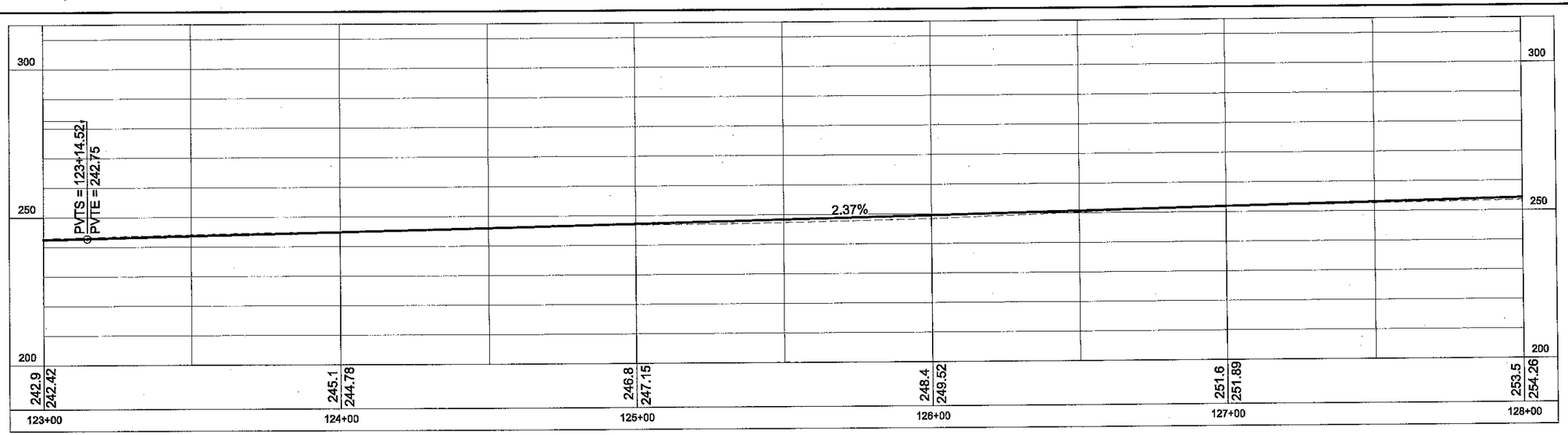
LT. TRAVERSABLE SLOPE TRANSITION	
STATION	WIDTH
124+00	8'
124+50	15'
125+50	15'
126+00	8'

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

PE _____ Date 4/4/14

KEY MAP





PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL C. STORY No. 5857-BE REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON

DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

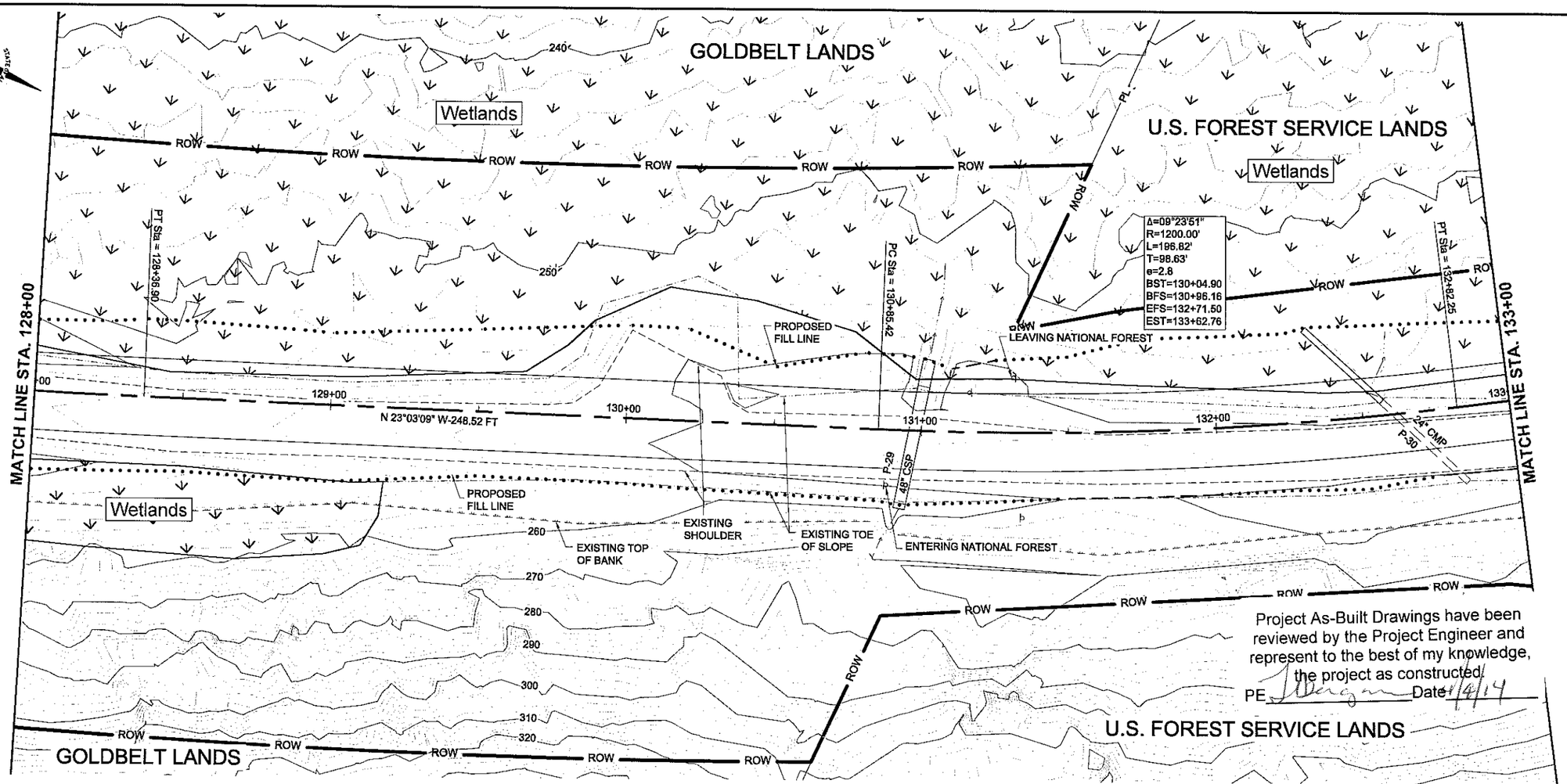
GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

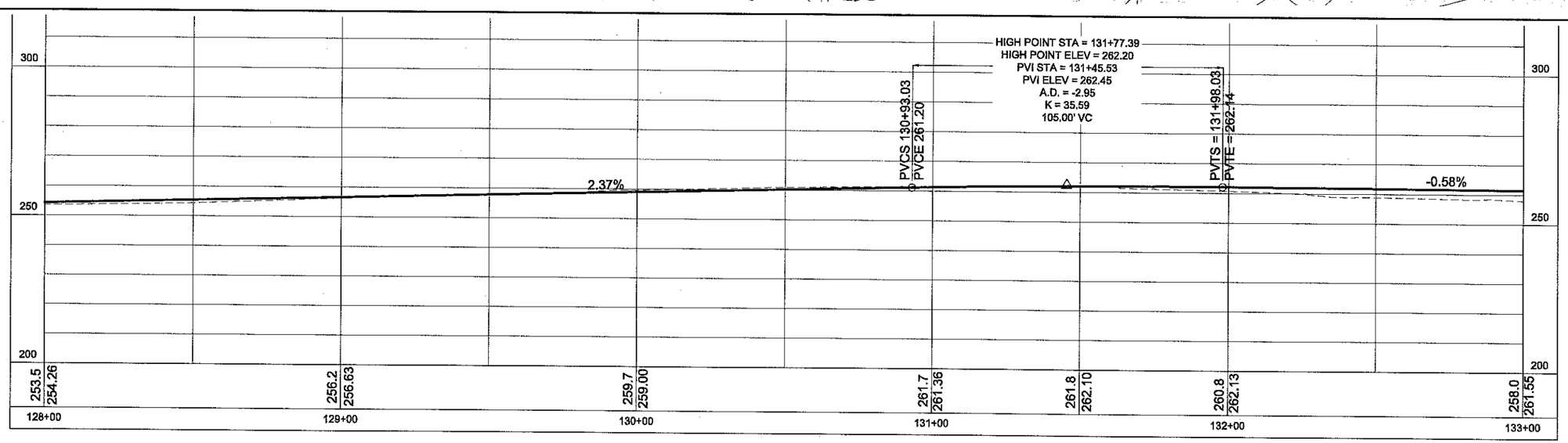
PLAN & PROFILE

PROJECT DESIGNATION NUMBER
69583

STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F14	52

DO NOT SCALE FROM THESE DRAWINGS. USE DIMENSIONS





DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

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TAB:F15 March 23, 2011 at: 10:41am

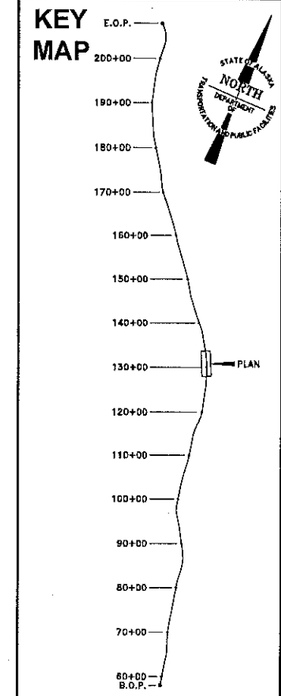
ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KEY MAP



PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL R. STORY No. 6587-CE 4/22/11 REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON

DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

PLAN & PROFILE

PROJECT DESIGNATION NUMBER
69583

STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F15	52

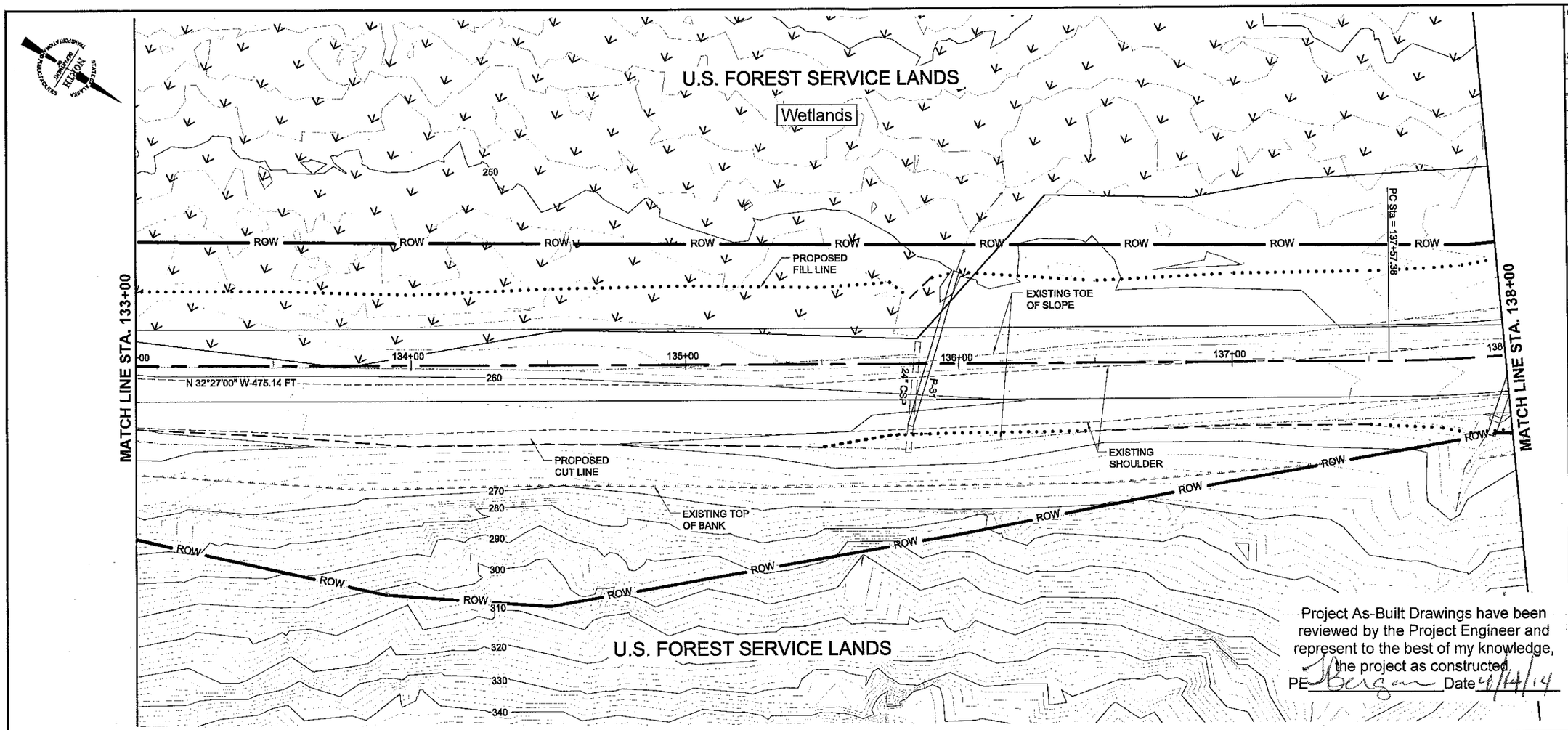
PATH: I:\2010\101309\Autocad Drawings\EP\101309wk.dwg

TAB:F16 March 23, 2011 at: 8:17am

ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS

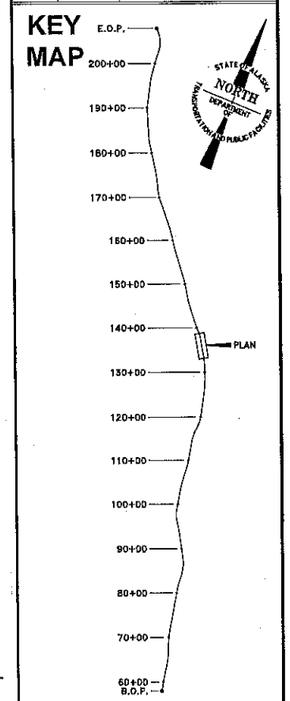
No.	DATE	DESCRIPTION



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

PE J Bergan Date 4/14/14

KEY MAP



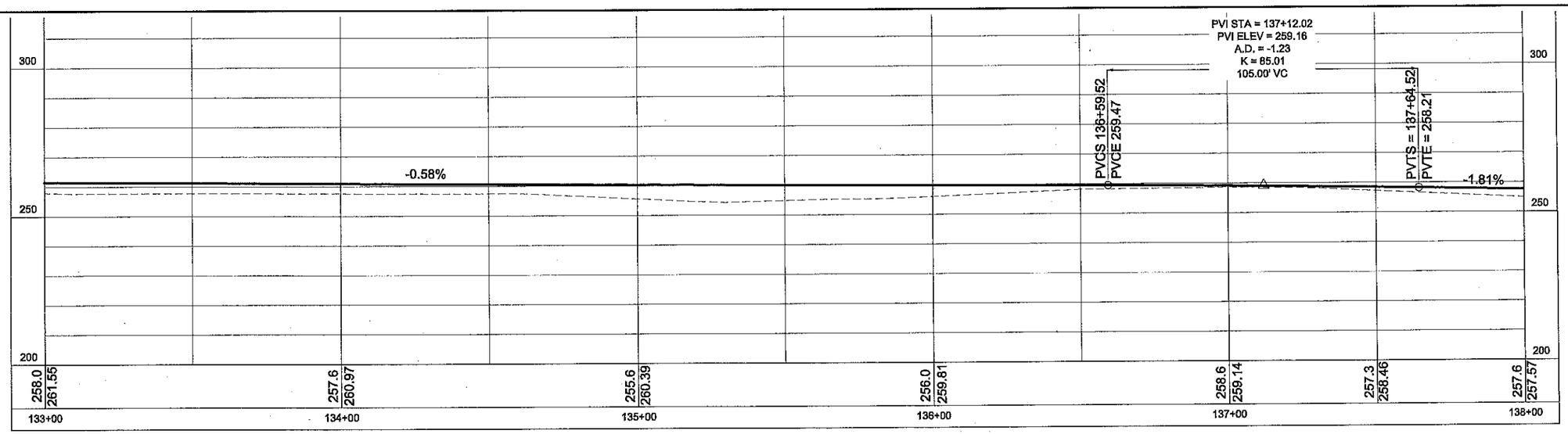
PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL C. STORY No. 6867-CE 3/23/11 REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON

DRAWN BY: N. PURVES



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

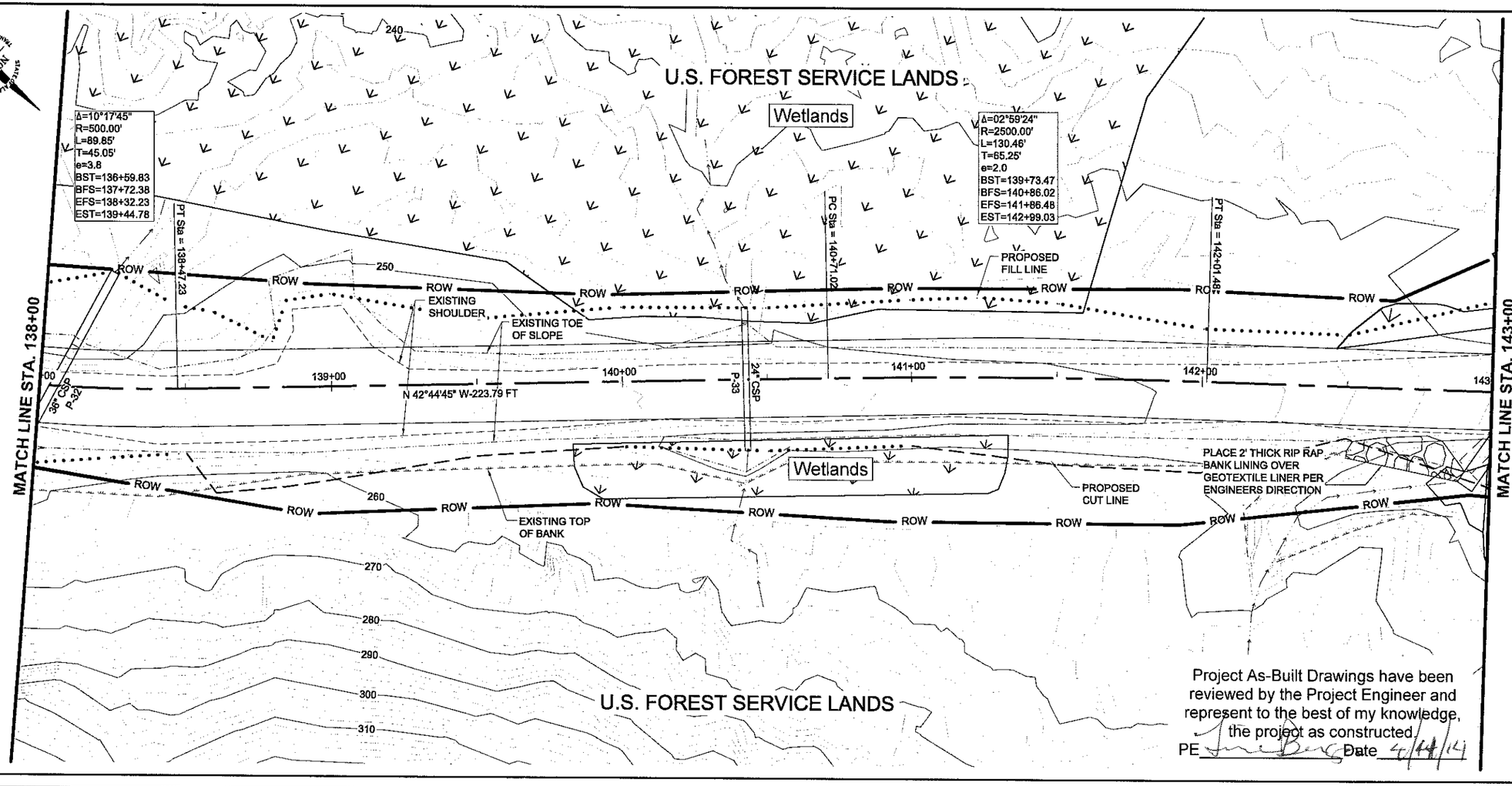
GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

PLAN & PROFILE

PROJECT DESIGNATION NUMBER
69583

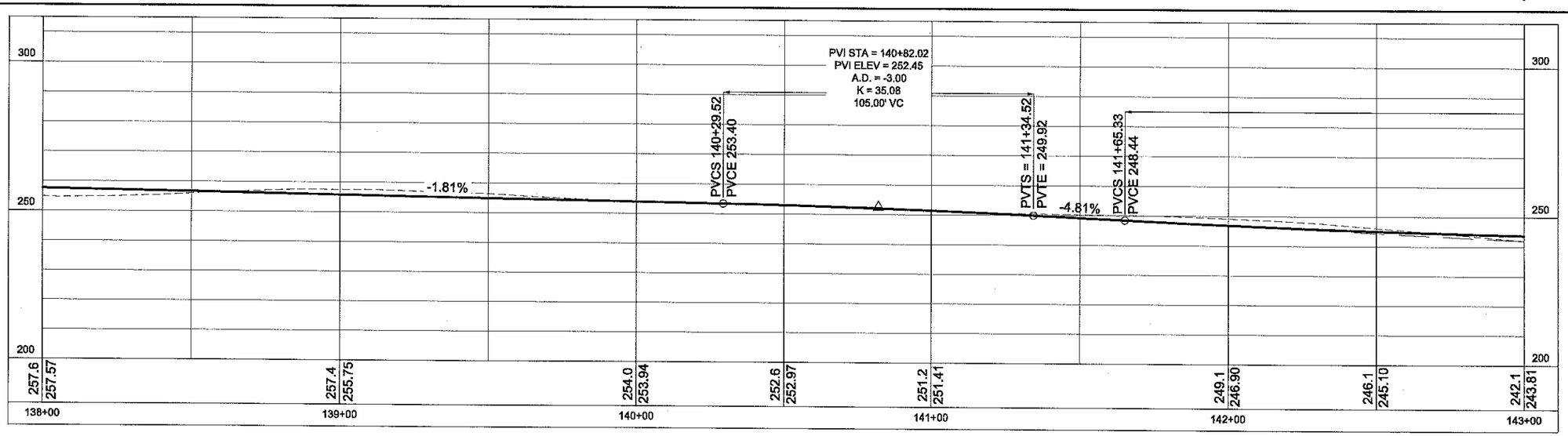
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F16	52

DO NOT SCALE FROM THESE DRAWINGS. USE DIMENSIONS



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

PE _____ Date 4/14/14



DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

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TAB:F17 March 23, 2011 at: 8:18am

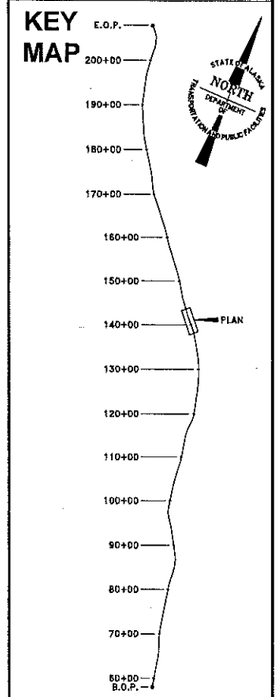
ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KEY MAP



PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL C. STORY No. 8687-PCE REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON

DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

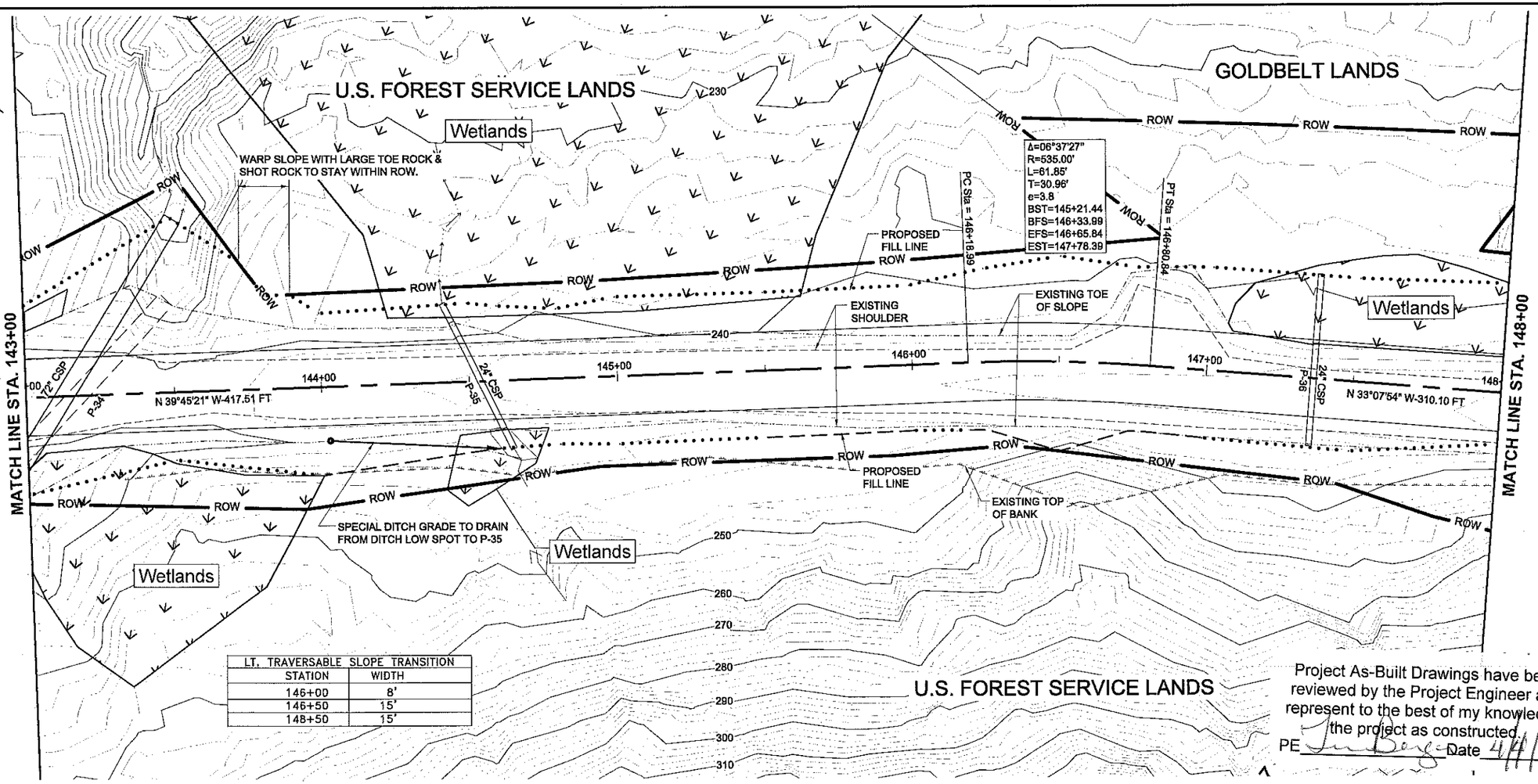
PLAN & PROFILE

PROJECT DESIGNATION NUMBER

69583

STATE	YEAR
ALASKA	2011

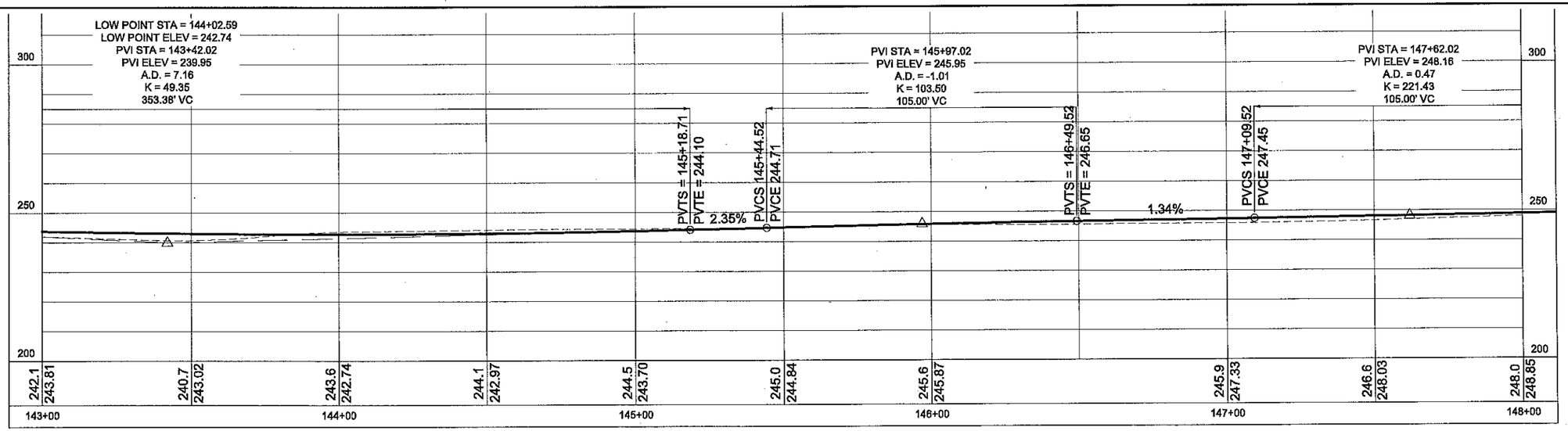
SHEET NUMBER	TOTAL SHEETS
F17	52



LT. TRAVERSABLE SLOPE TRANSITION	
STATION	WIDTH
146+00	8'
146+50	15'
148+50	15'

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

PE _____ Date 4/4/14



DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

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TAB:F18 March 25, 2011 at: 8:21am

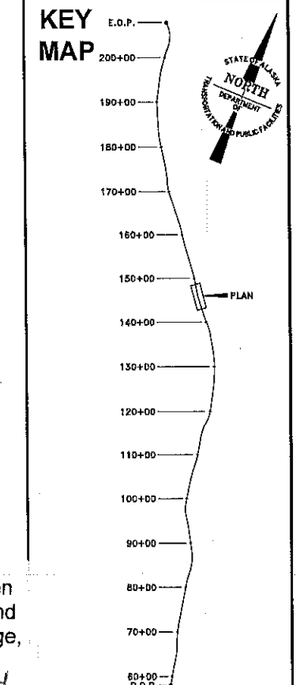
ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KEY MAP



PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL C. STORY No. 5867-CE REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON

DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

PLAN & PROFILE

PROJECT DESIGNATION NUMBER
69583

STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F18	52

PATH: I:\2010\101309\Autocad Drawings\EP\101309wk.dwg

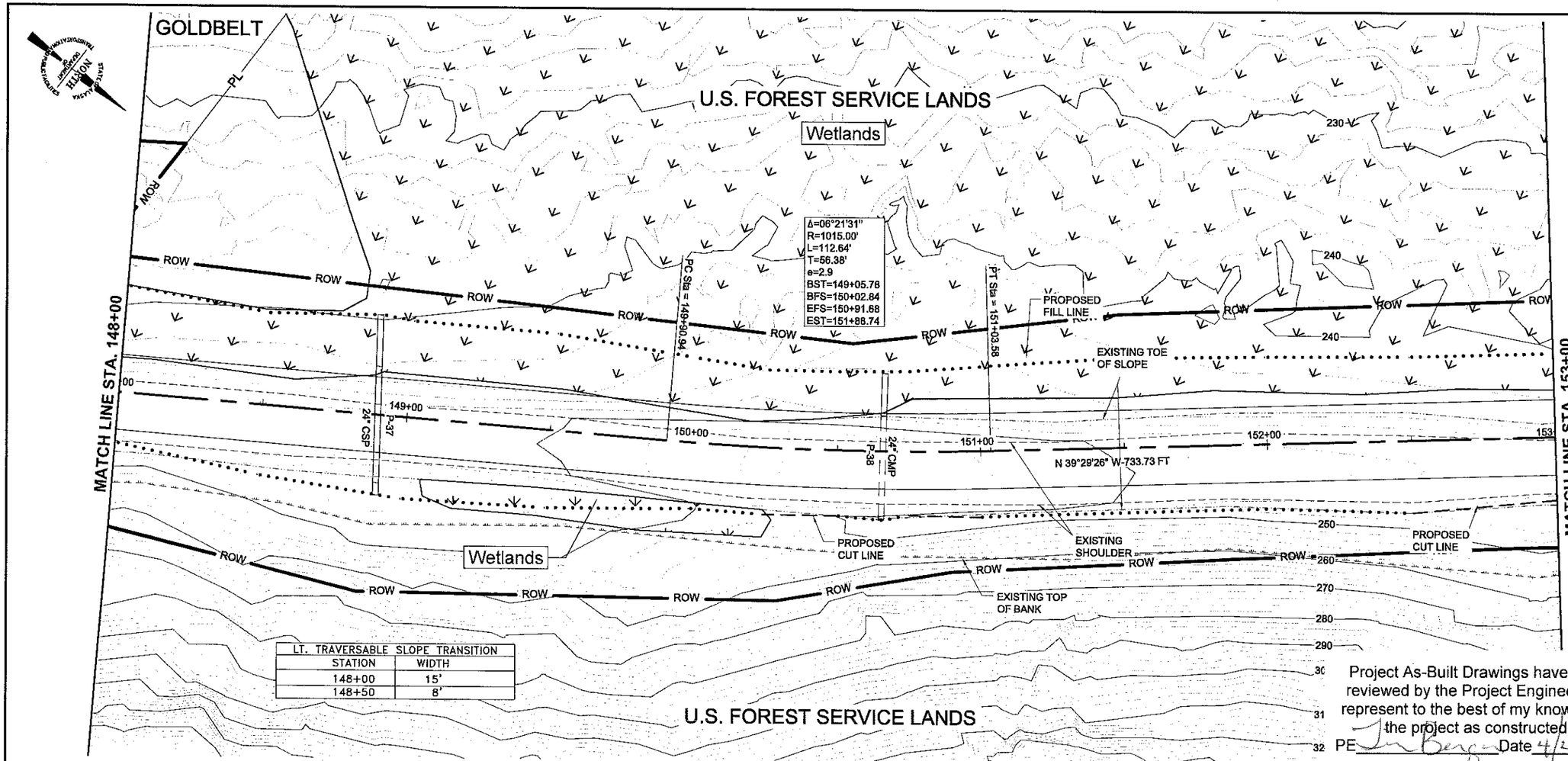
TAB:F19 March 23, 2011 at: 8:22am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

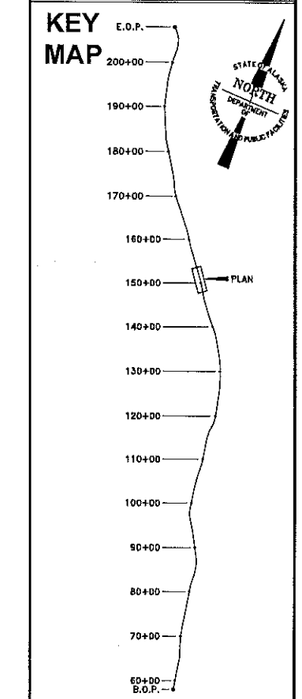


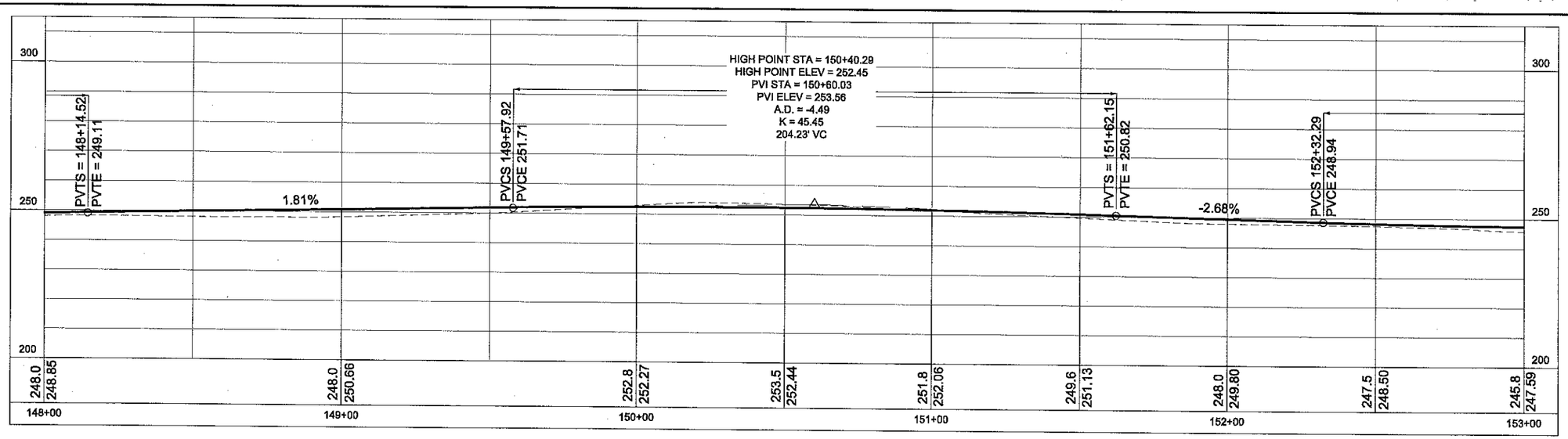
LT. TRAVERSABLE SLOPE TRANSITION	
STATION	WIDTH
148+00	15'
148+50	8'

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

PE Jim Berg Date 4/4/14

KEY MAP





PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL C. STORY No. 6887-CE 3/24/11 REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON

DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

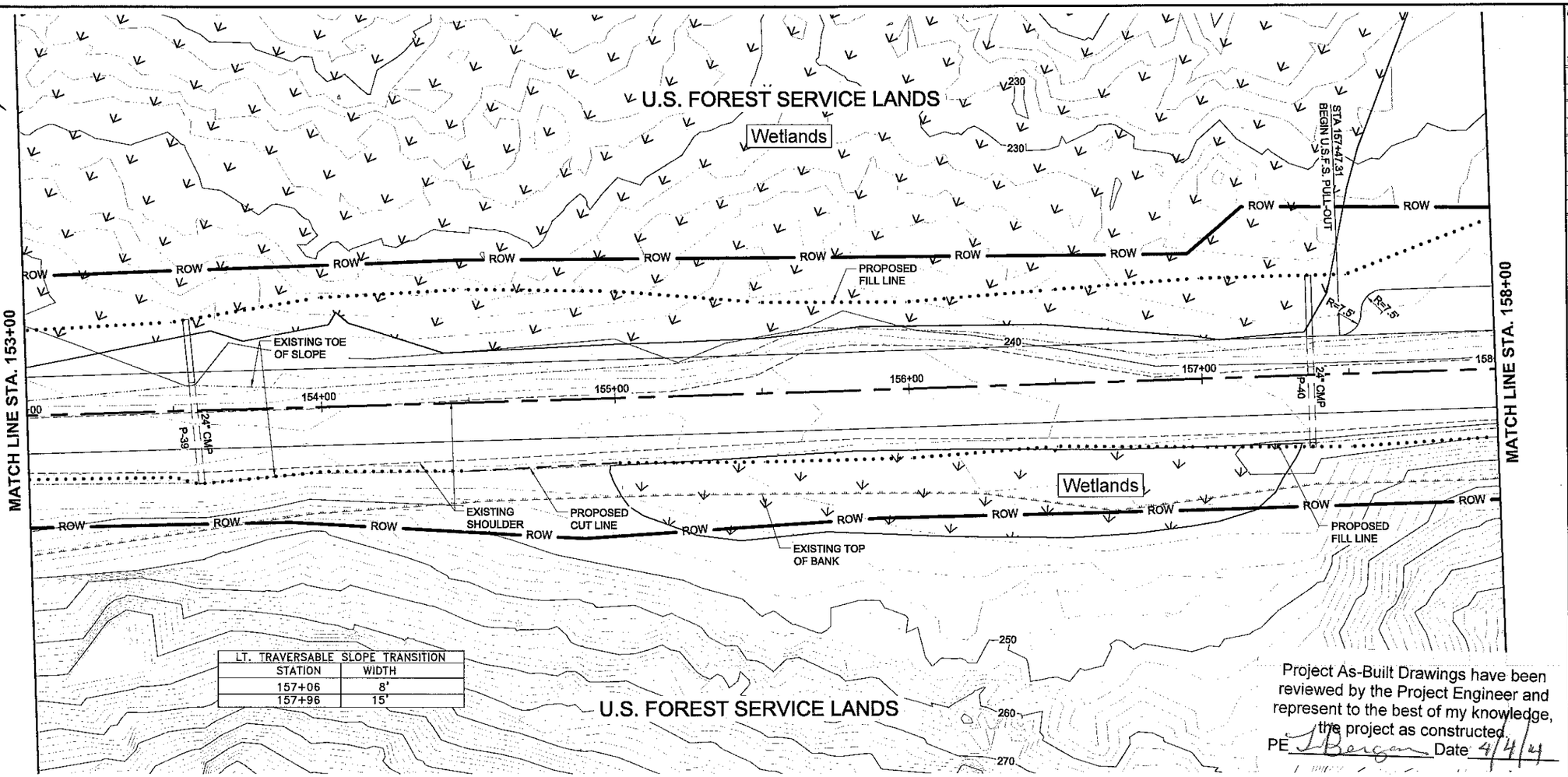
PLAN & PROFILE

PROJECT DESIGNATION NUMBER
69583

STATE	YEAR
ALASKA	2011

SHEET NUMBER	TOTAL SHEETS
F19	52

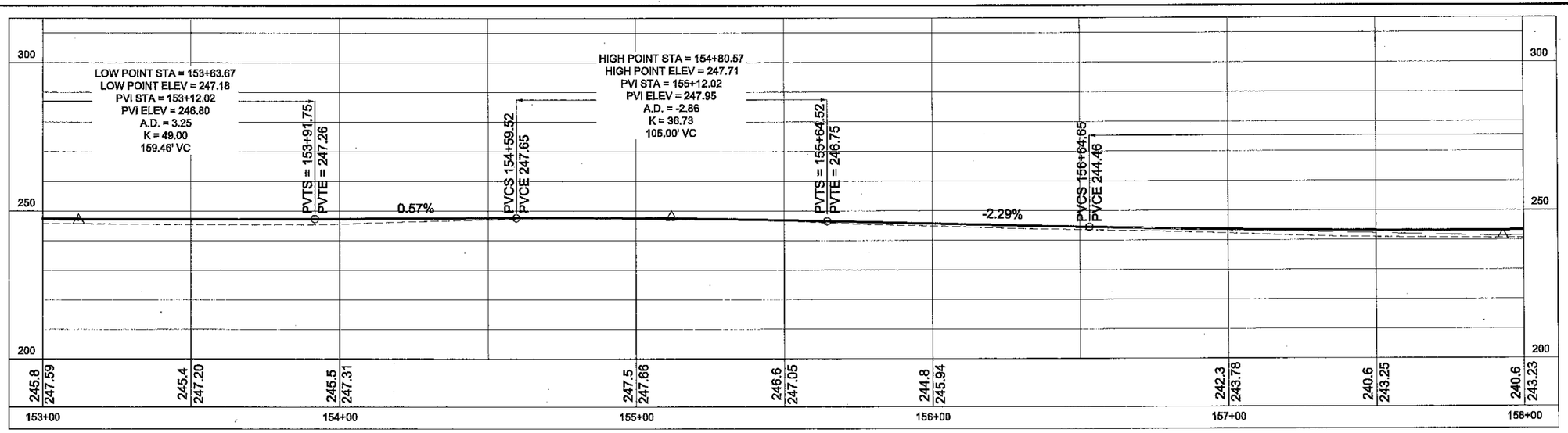
DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS



LT. TRAVERSABLE SLOPE TRANSITION	
STATION	WIDTH
157+06	8'
157+96	15'

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

PE J. Bergan Date 4/4/11



DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

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TAB:F20 March 23, 2011 at: 8:23am

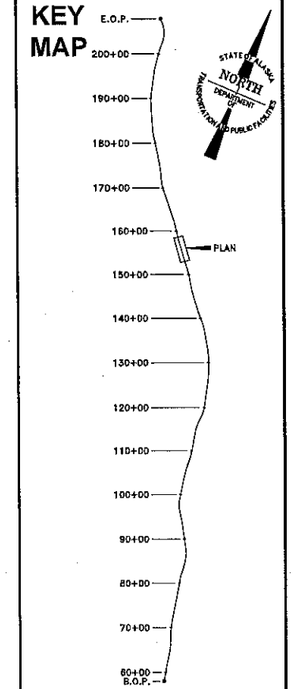
ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KEY MAP



PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL C. STORY No. 8887ACE REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON

DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

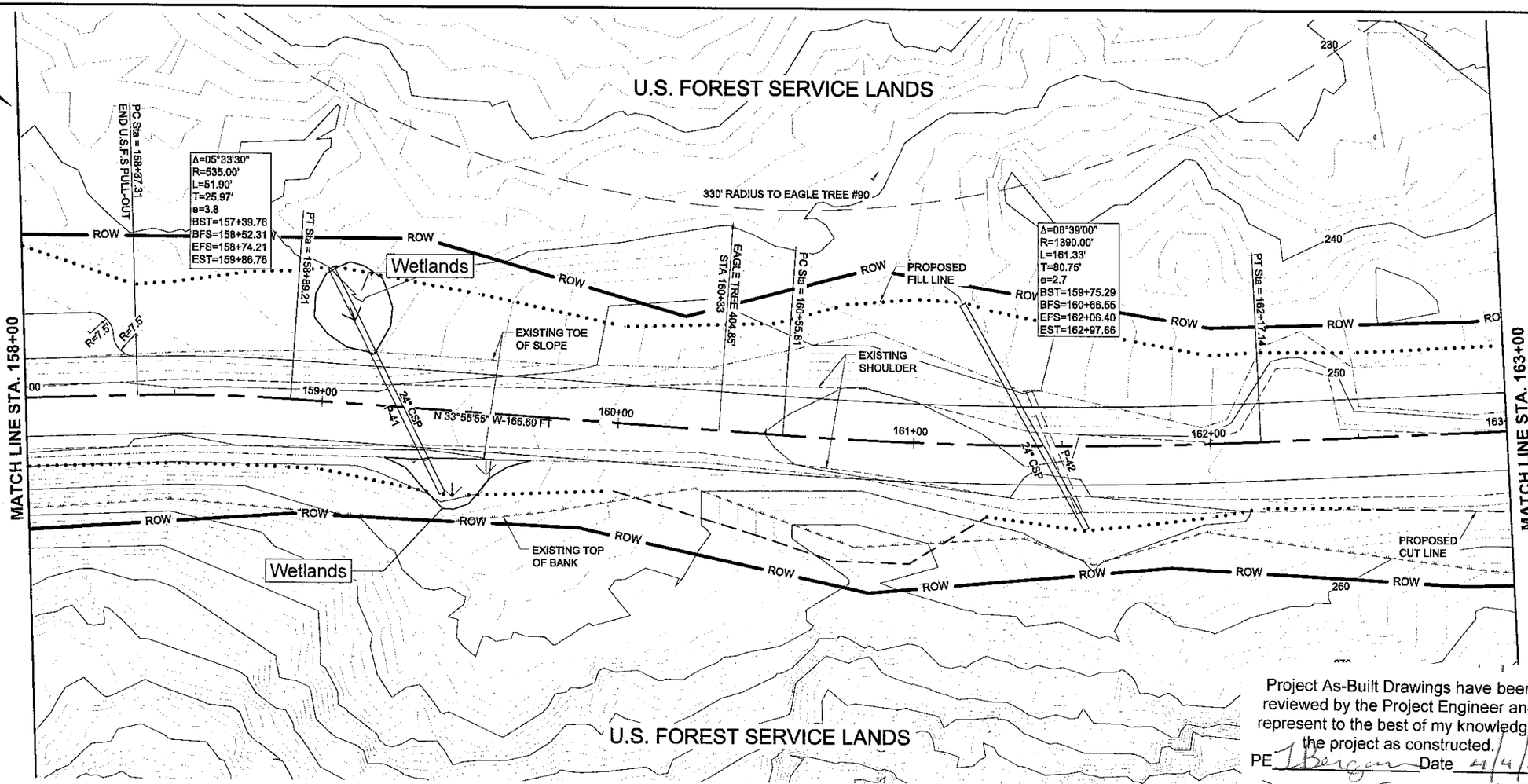
GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

PLAN & PROFILE

PROJECT DESIGNATION NUMBER

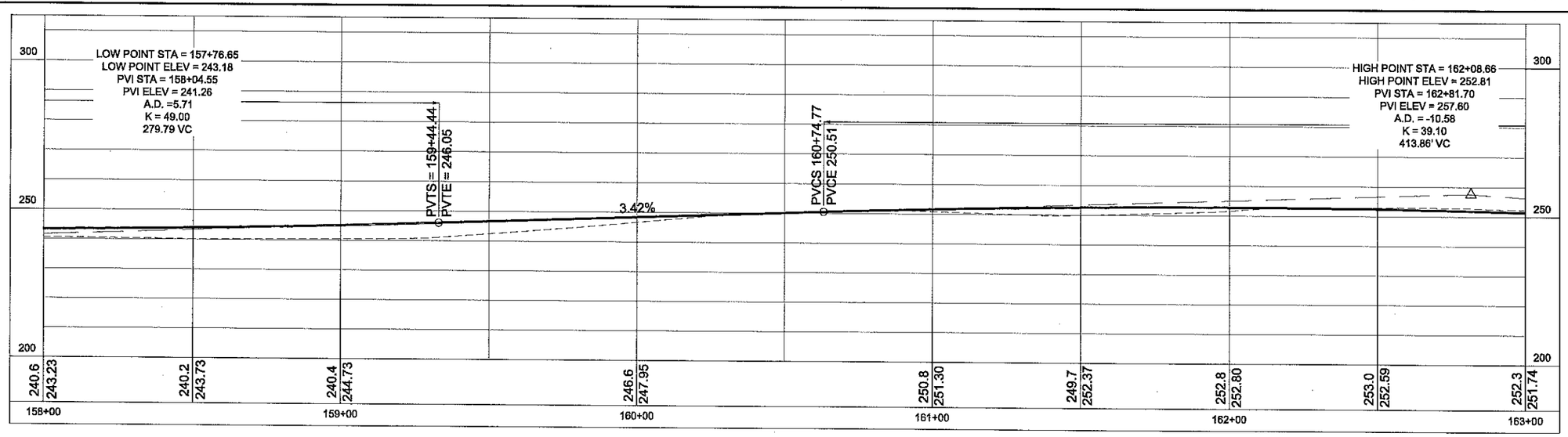
69583

STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F20	52



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

PE J. Bergan Date 4/4/14



DO NOT SCALE FROM THESE DRAWINGS. USE DIMENSIONS

PATH: I:\2010\101309\Autocad Drawings\EP\101309wk.dwg

TAB:F21 March 23, 2011 at: 11:02am

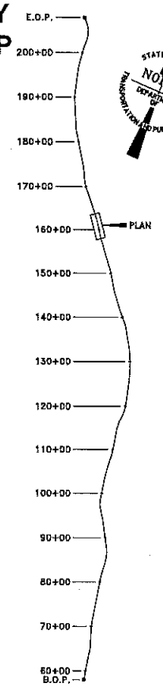
ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KEY MAP



PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL O. STORY No. 6887-ACE REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON

DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

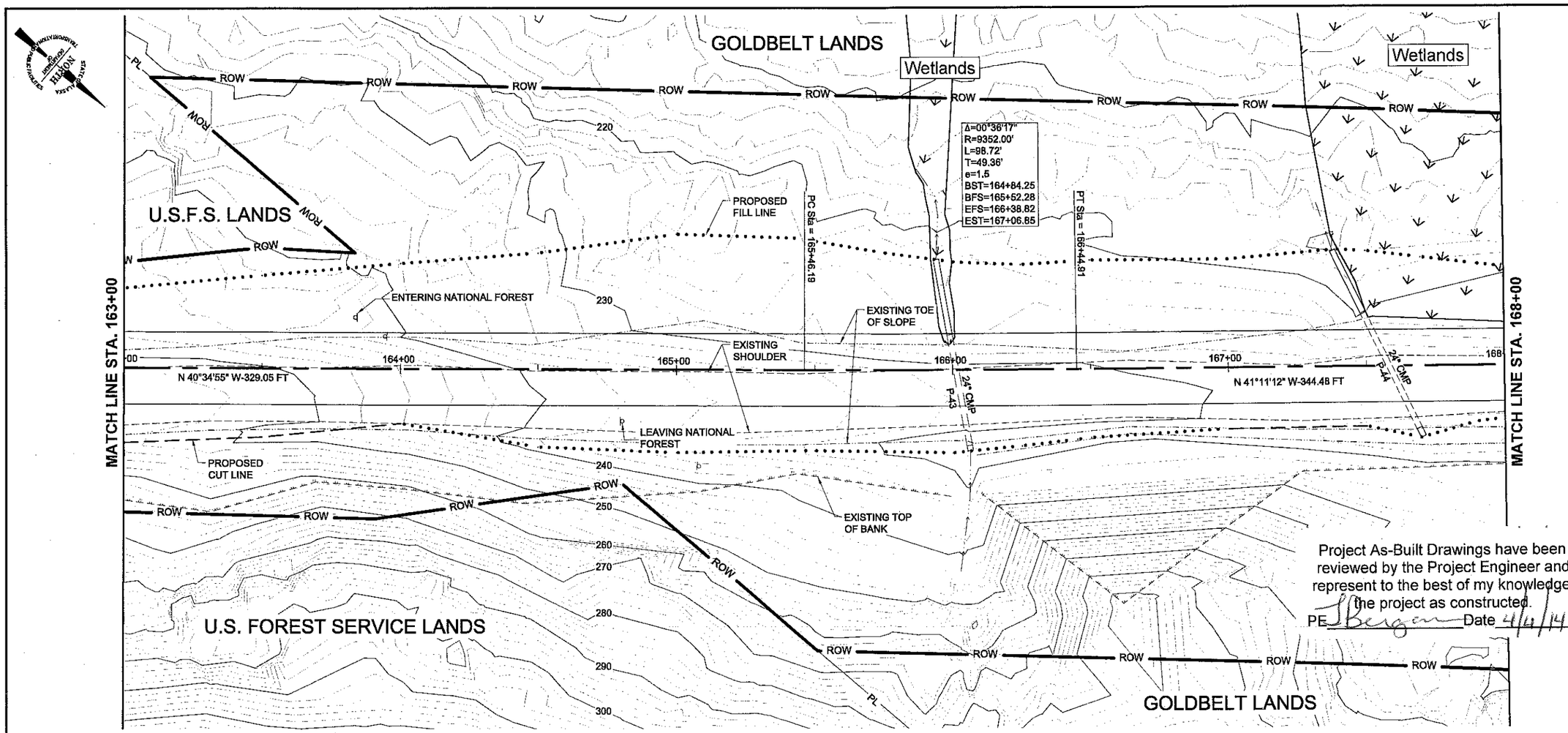
PLAN & PROFILE

PROJECT DESIGNATION NUMBER

69583

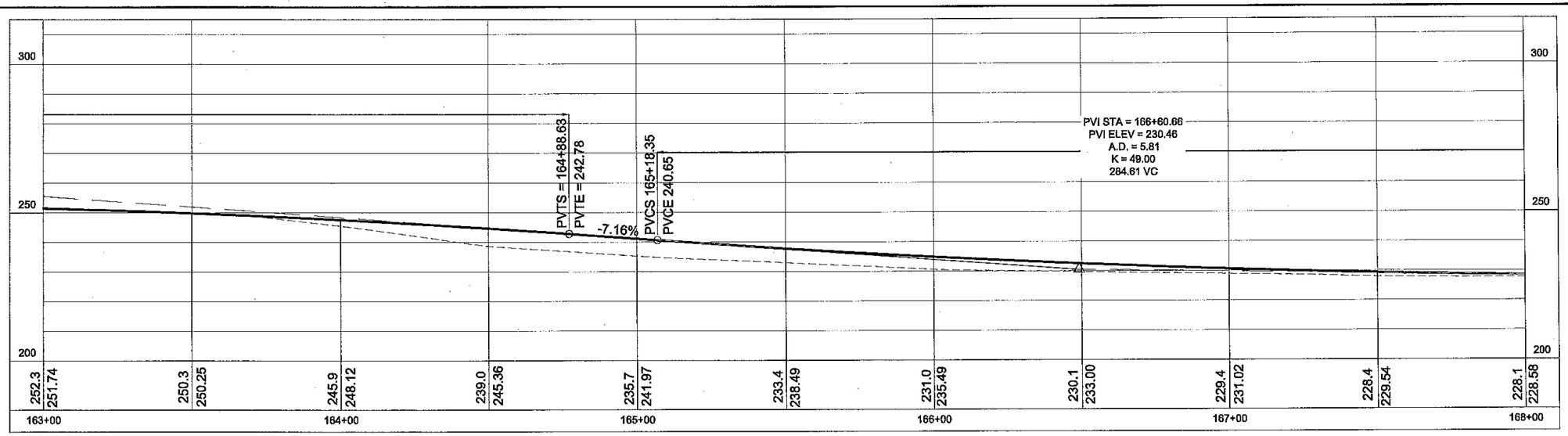
STATE	YEAR
ALASKA	2011

SHEET NUMBER	TOTAL SHEETS
F21	52



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

PE J Bergan Date 4/4/14



DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

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TAB:F22 March 23, 2011 at: 11:29am

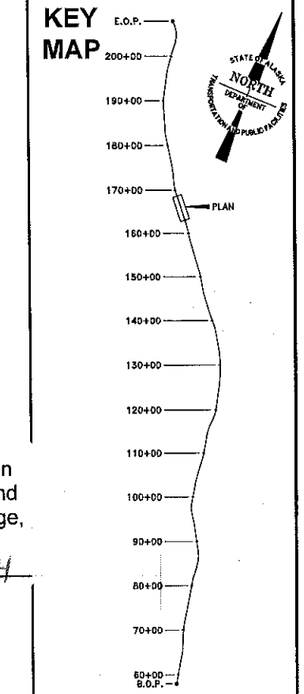
ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KEY MAP



PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL G. STORY No. 8887-CE REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON

DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

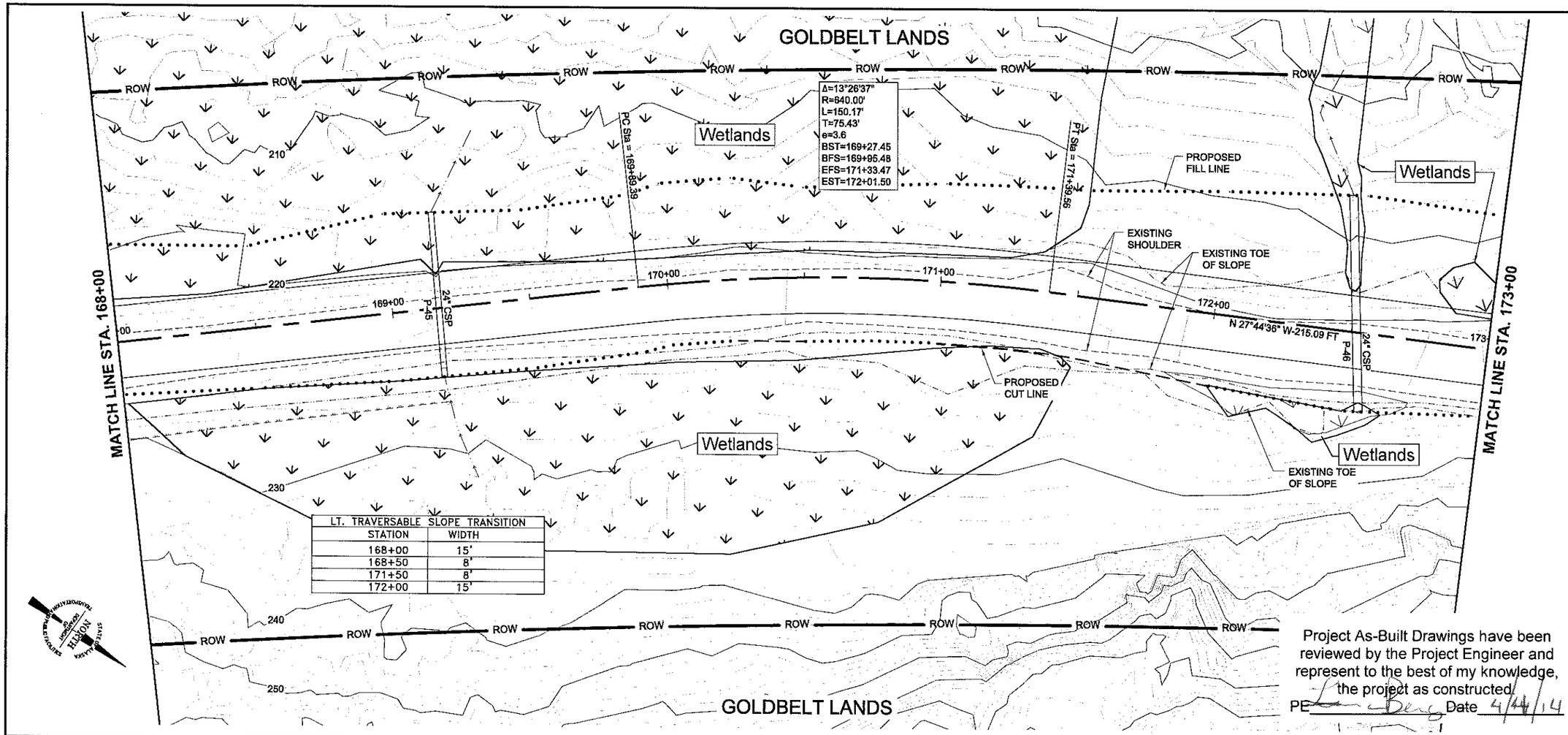
PLAN & PROFILE

PROJECT DESIGNATION NUMBER

69583

STATE	YEAR
ALASKA	2011

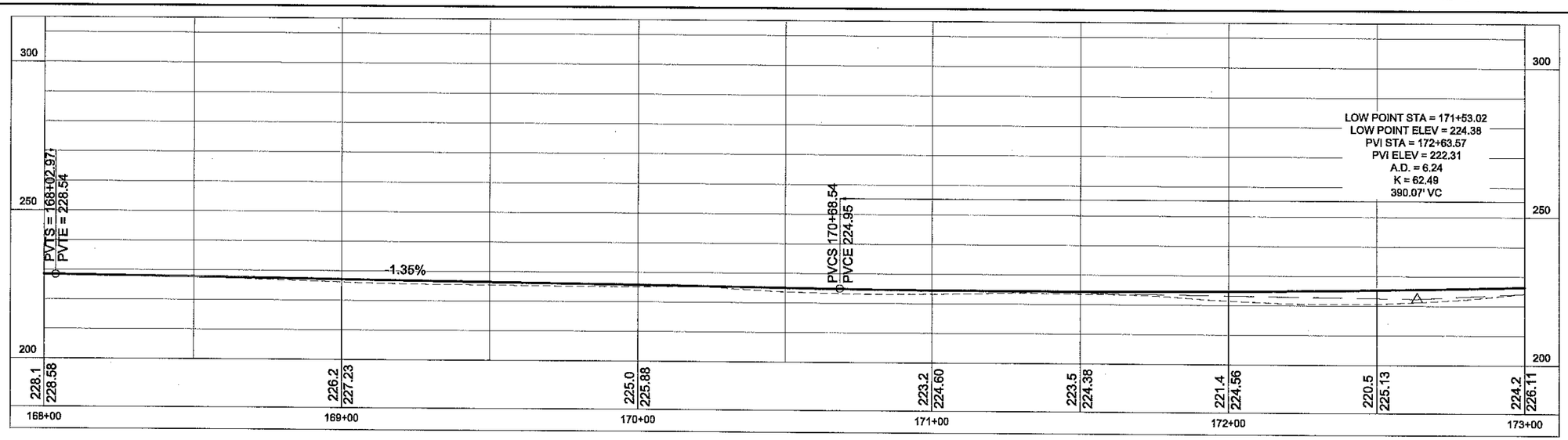
SHEET NUMBER	TOTAL SHEETS
F22	52



LT. TRAVERSABLE SLOPE TRANSITION	
STATION	WIDTH
168+00	15'
168+50	8'
171+50	8'
172+00	15'

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

PE _____ Date 4/4/14



DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH: I:\2010\101309\Autocad Drawings\EP\101309wk.dwg

TAB:F23 March 25, 2011 at: 11:32am

ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

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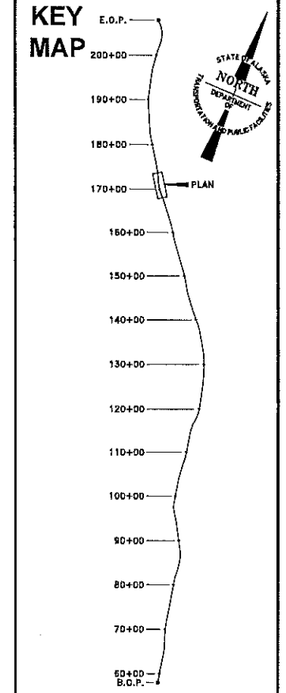


PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL O. STORY No. 8887-CE 4/4/14 REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON

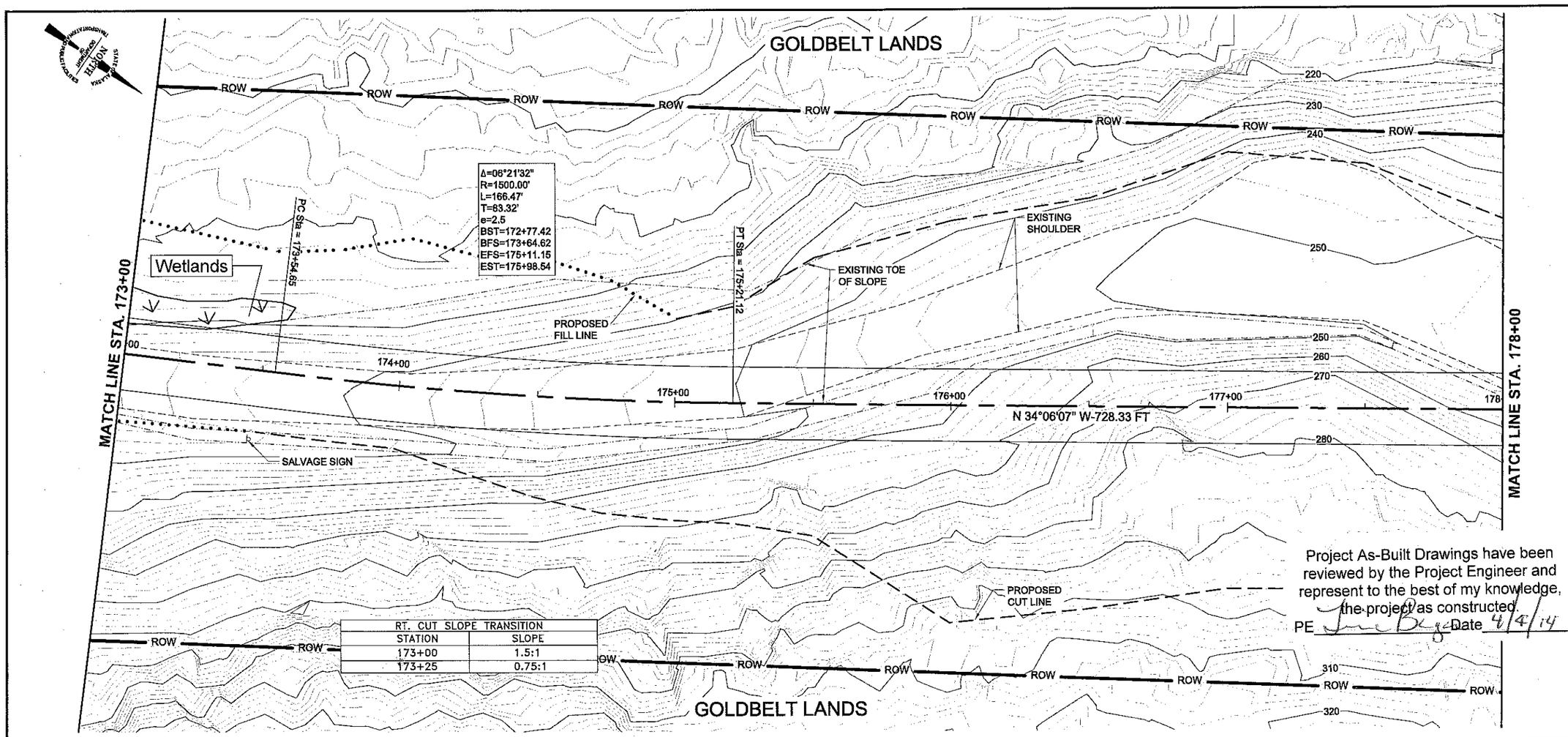
DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

PLAN & PROFILE

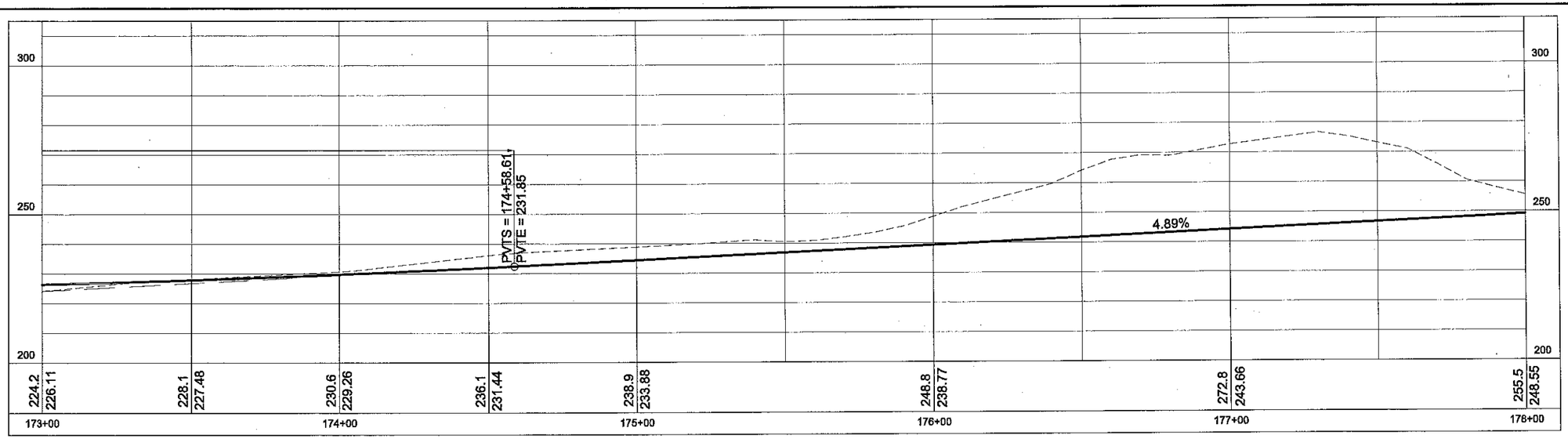
PROJECT DESIGNATION NUMBER	
69583	
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F23	52



RT. CUT SLOPE TRANSITION	
STATION	SLOPE
173+00	1.5:1
173+25	0.75:1

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

PE _____ Date 4/4/14



DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

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TAB:F24 March 22, 2011 at: 4:08pm

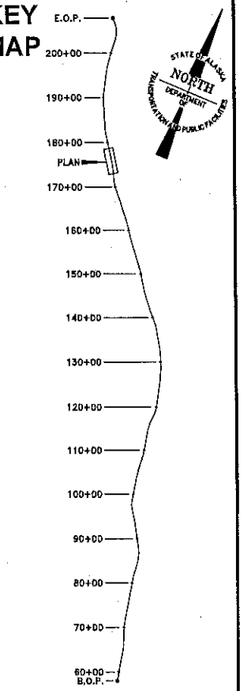
ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KEY MAP



PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL A. STORY No. 8807-CE 3/22/11 REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON

DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

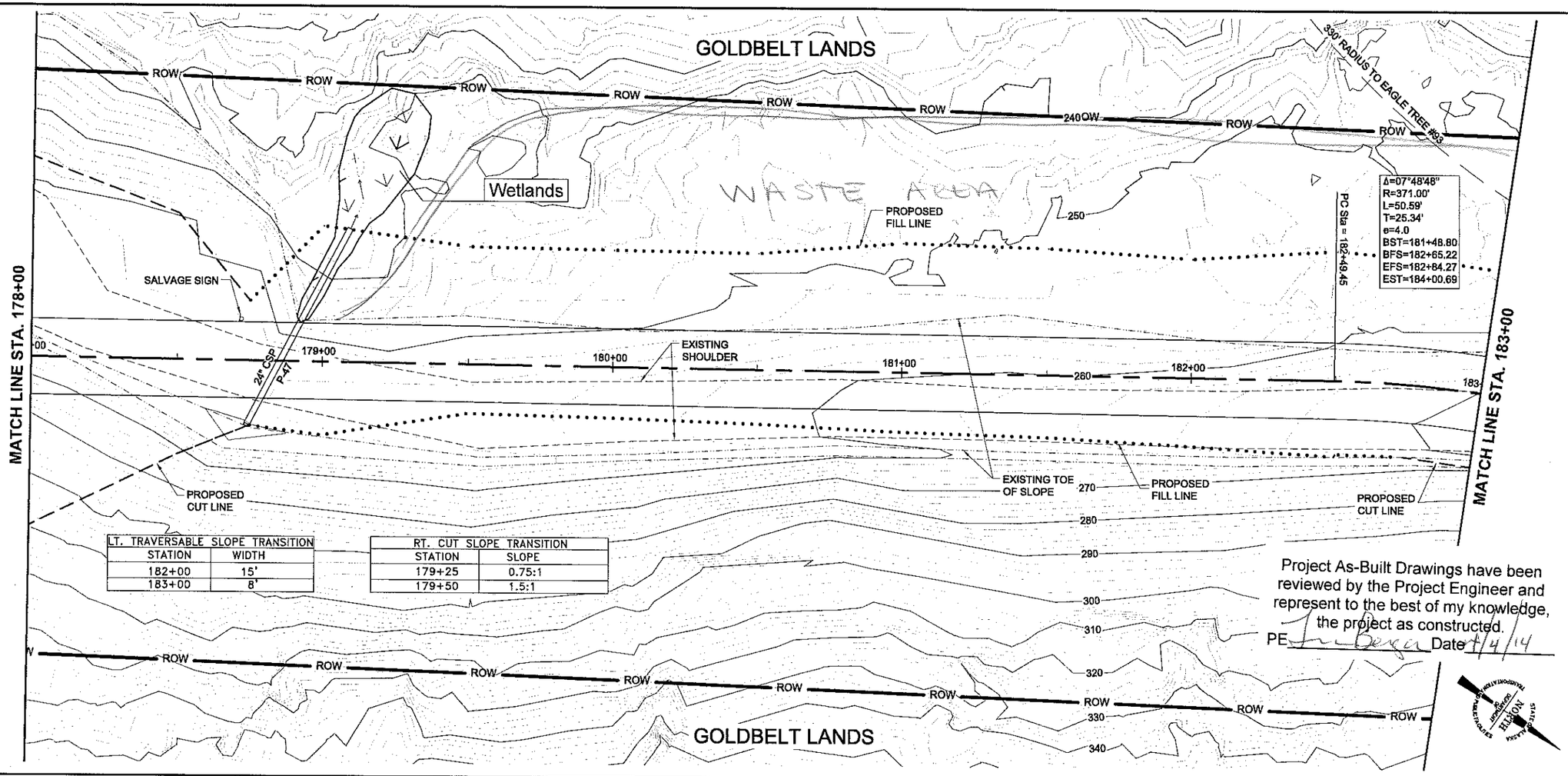
GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

PLAN & PROFILE

PROJECT DESIGNATION NUMBER

69583

STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F24	52

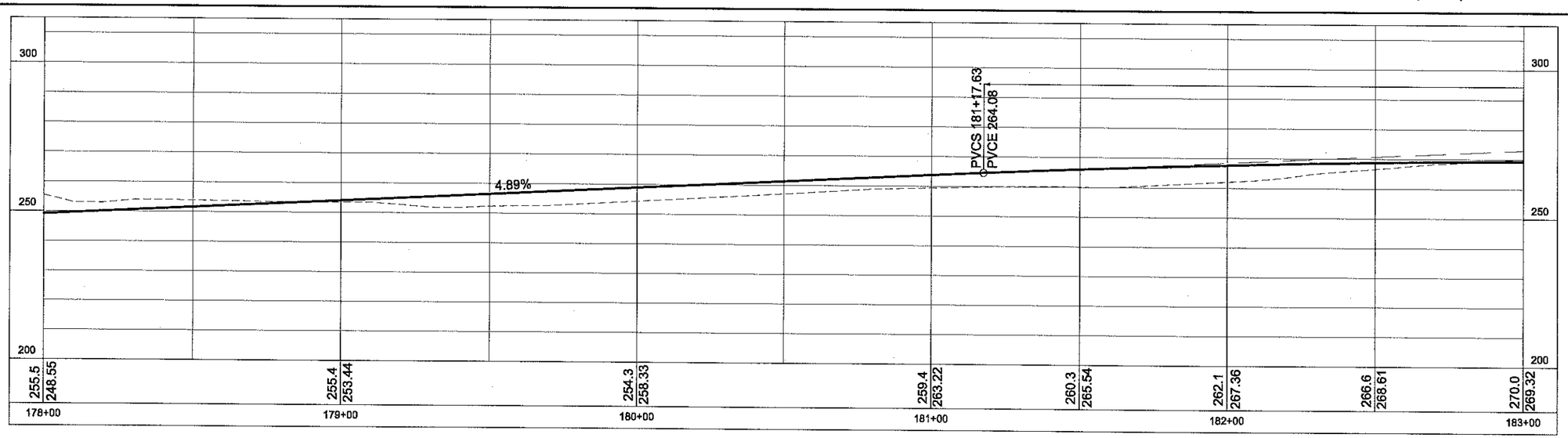


LT. TRAVERSABLE SLOPE TRANSITION	
STATION	WIDTH
182+00	15'
183+00	8'

RT. CUT SLOPE TRANSITION	
STATION	SLOPE
179+25	0.75:1
179+50	1.5:1

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

PE [signature] Date 1/4/14



DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH: I:\2010\101309\Autocad Drawings\EP\101309wk.dwg

TAB:F25 March 22, 2011 at: 4:10pm

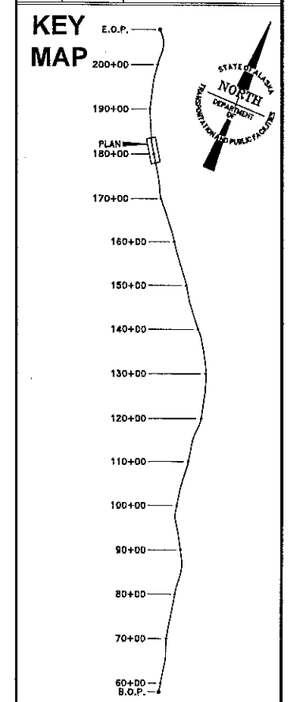
ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KEY MAP



PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL C. STORY No. 6827-CE 1/26/11 REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON

DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

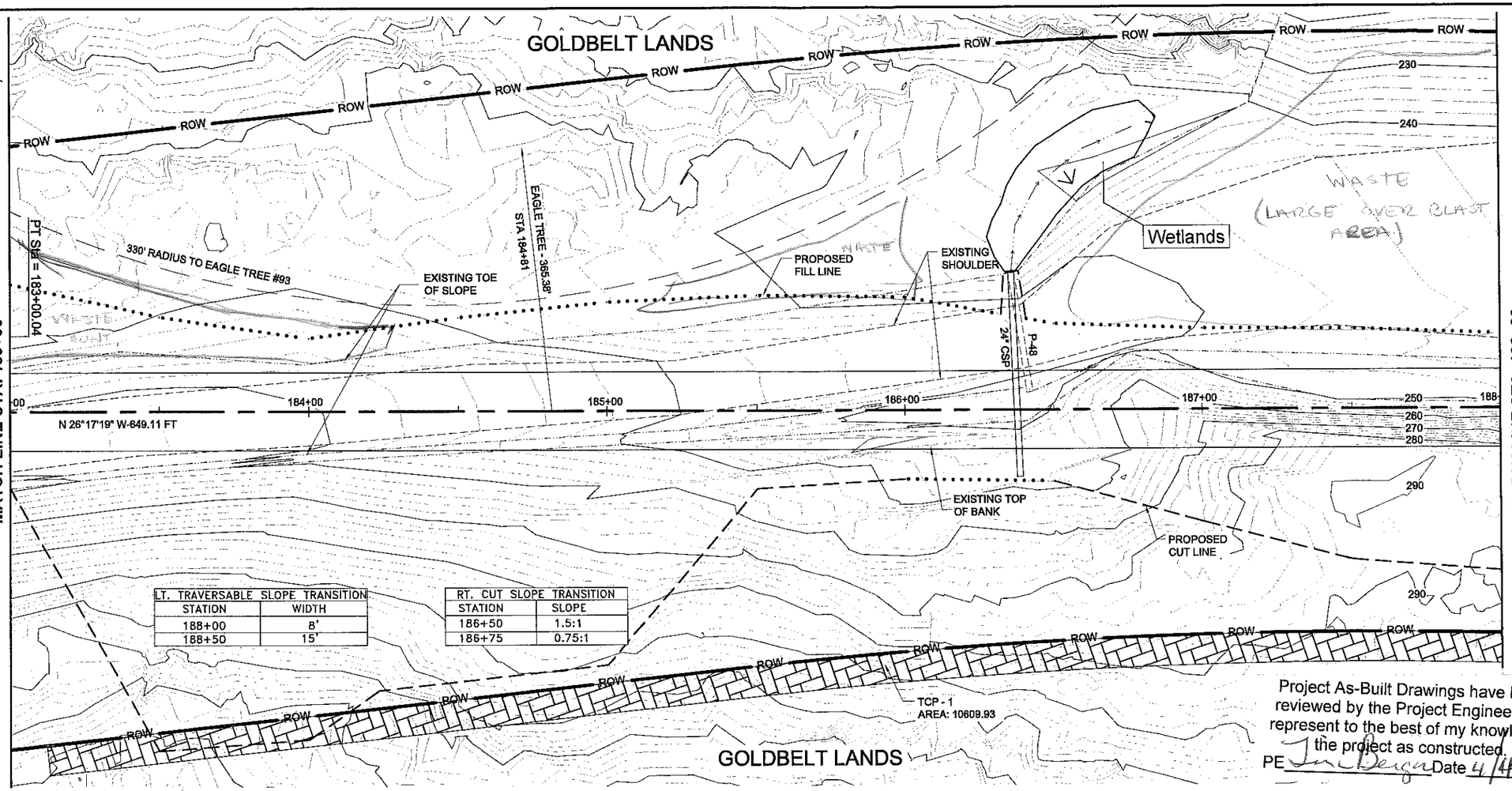
GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

PLAN & PROFILE

PROJECT DESIGNATION NUMBER

69583

STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F25	52

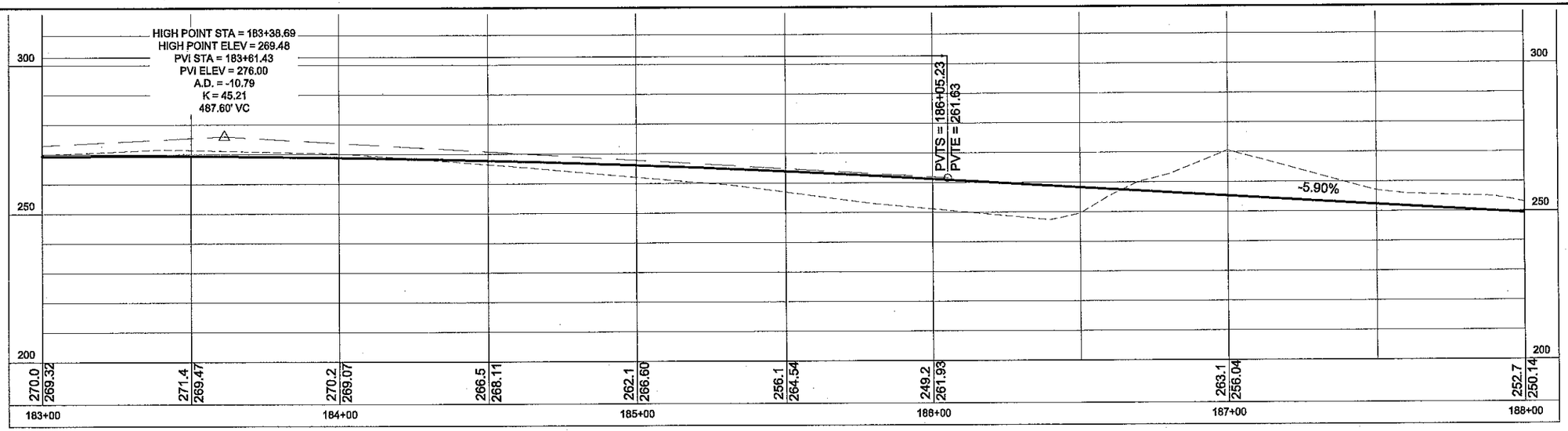


LT. TRAVERSABLE SLOPE TRANSITION	
STATION	WIDTH
188+00	8'
188+50	15'

RT. CUT SLOPE TRANSITION	
STATION	SLOPE
186+50	1.5:1
186+75	0.75:1

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

PE Jim Berger Date 4/14/14



DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH: I:\2010\101309\Autocad Drawings\EP\101309wk.dwg

TAB:F26 March 23, 2011 at: 8:29am

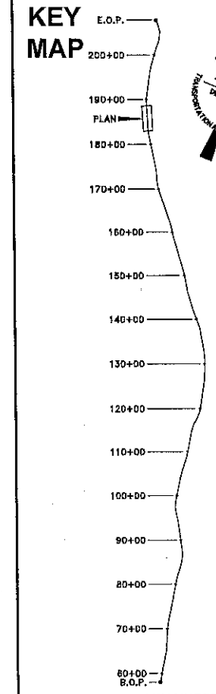
ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KEY MAP



PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL D. STORY No. 6887-CE REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON

DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

PLAN & PROFILE

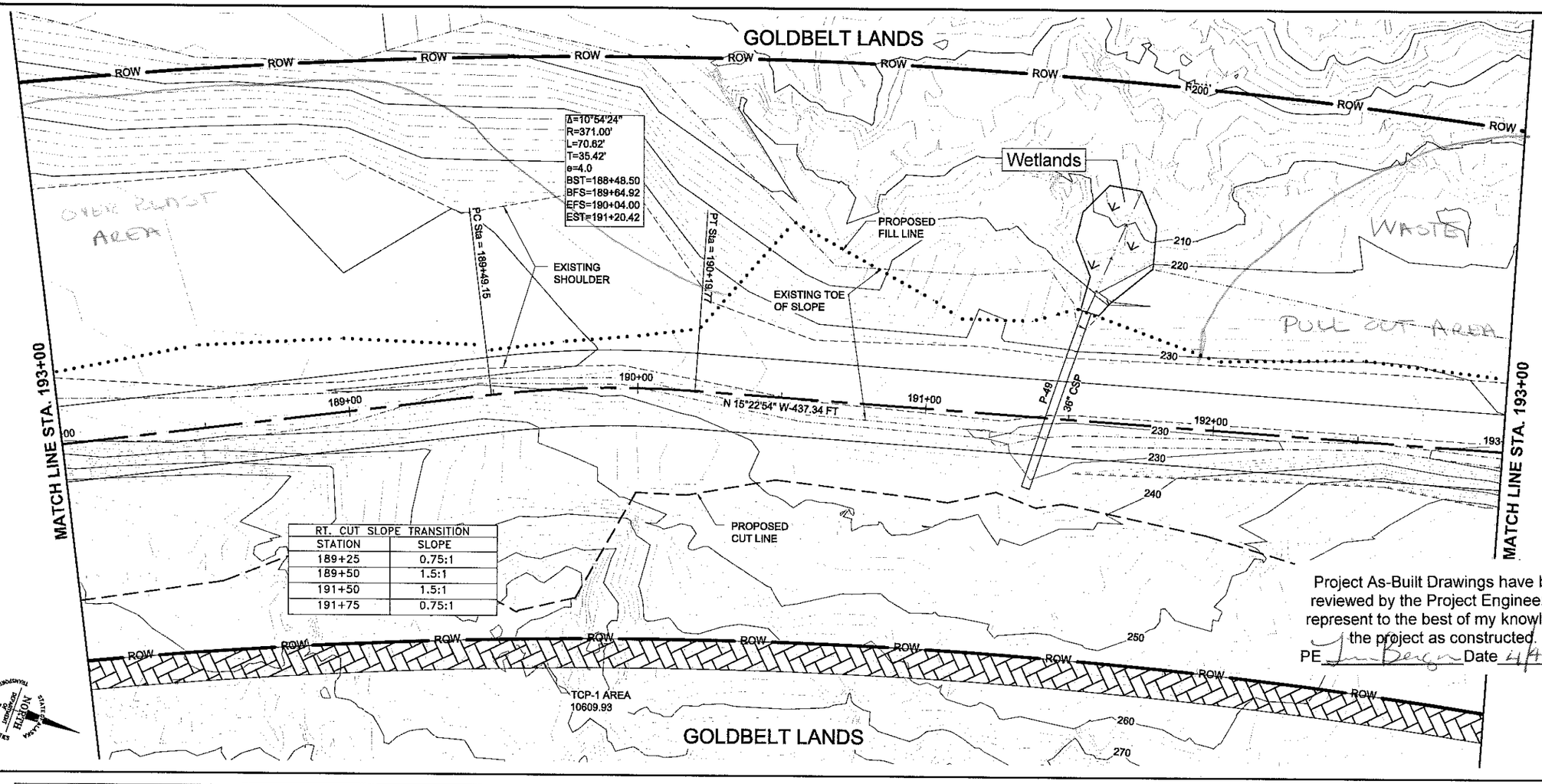
PROJECT DESIGNATION NUMBER

69583

STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F26	52

PATH: I:\2010\101309\Autocad Drawings\EP\101309wk.dwg

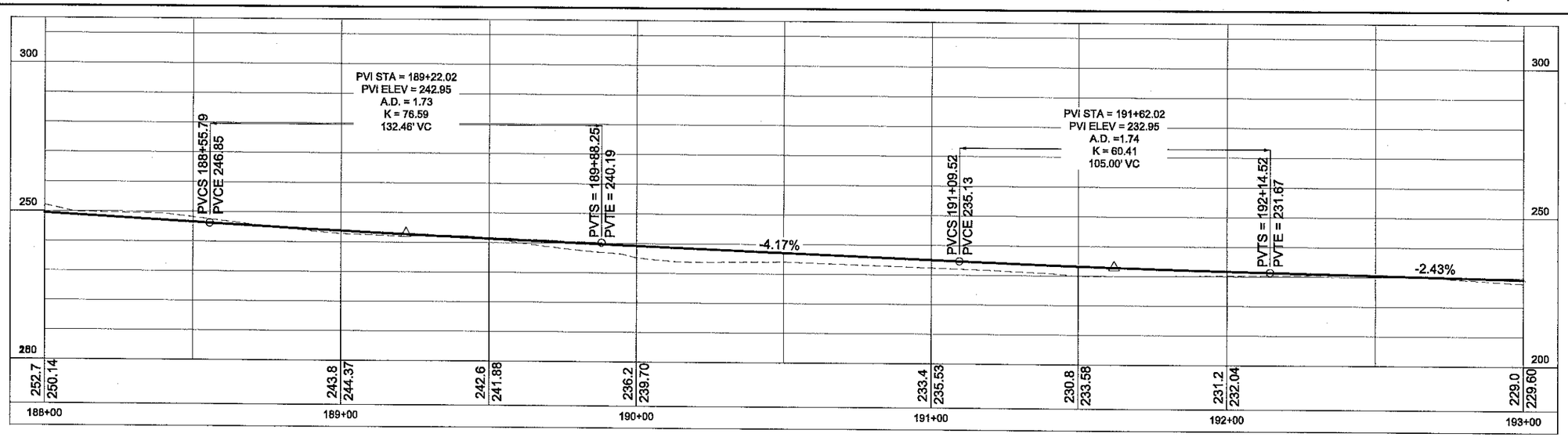
TAB:F27 March 23, 2011 at: 8:31am



RT. CUT SLOPE TRANSITION	
STATION	SLOPE
189+25	0.75:1
189+50	1.5:1
191+50	1.5:1
191+75	0.75:1

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

PE Jim Bergen Date 4/4/14

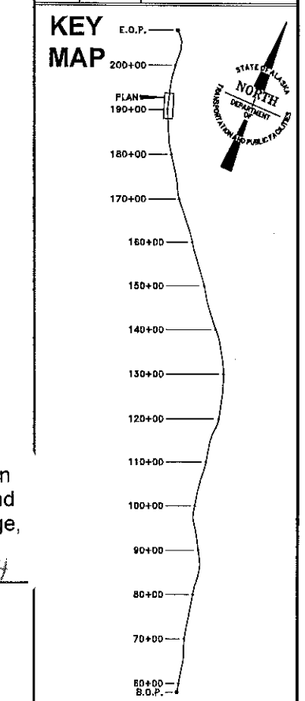


ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL C. STORY No. 5887-CE REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON

DRAWN BY: N. PURVES

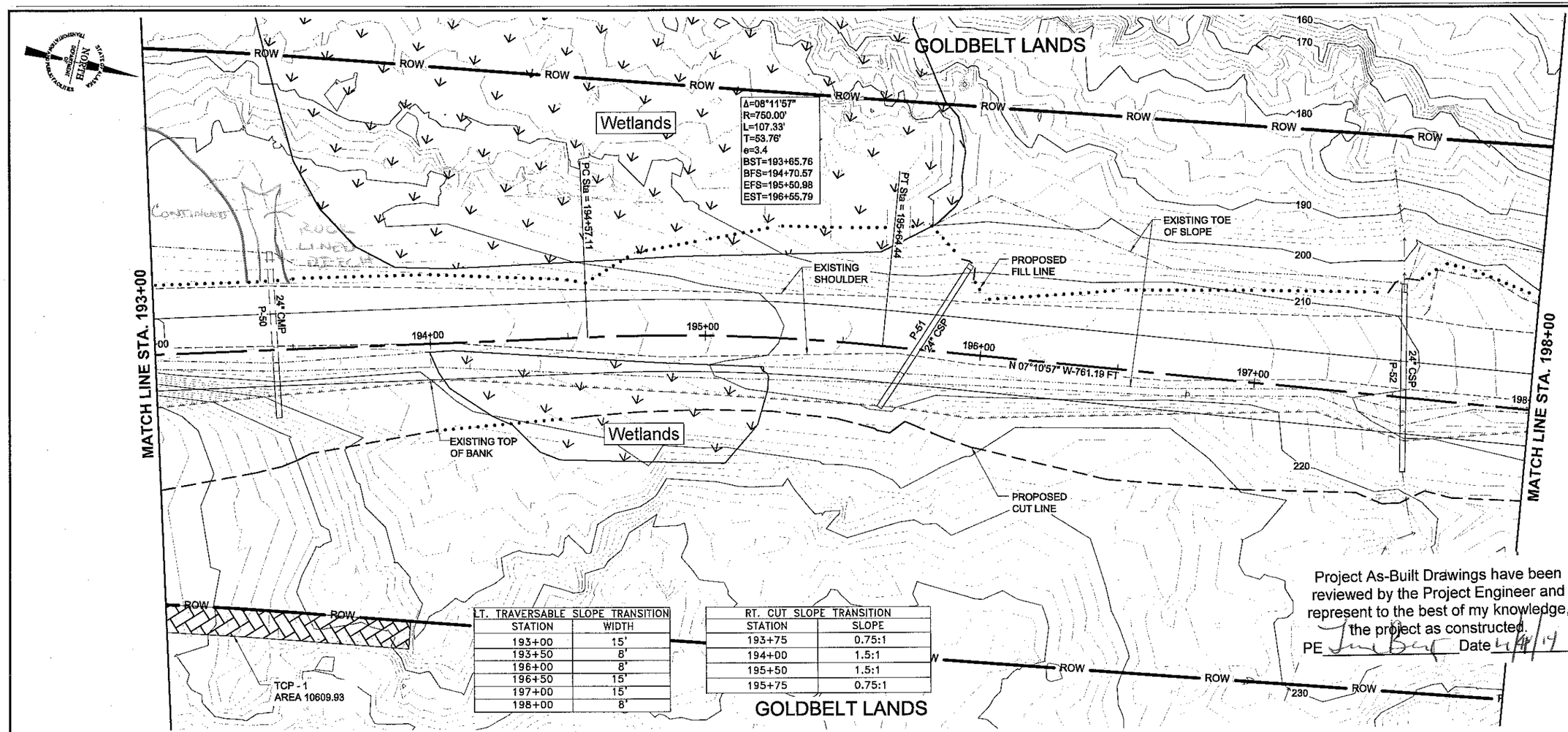
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

PLAN & PROFILE

PROJECT DESIGNATION NUMBER	
69583	
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F27	52

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

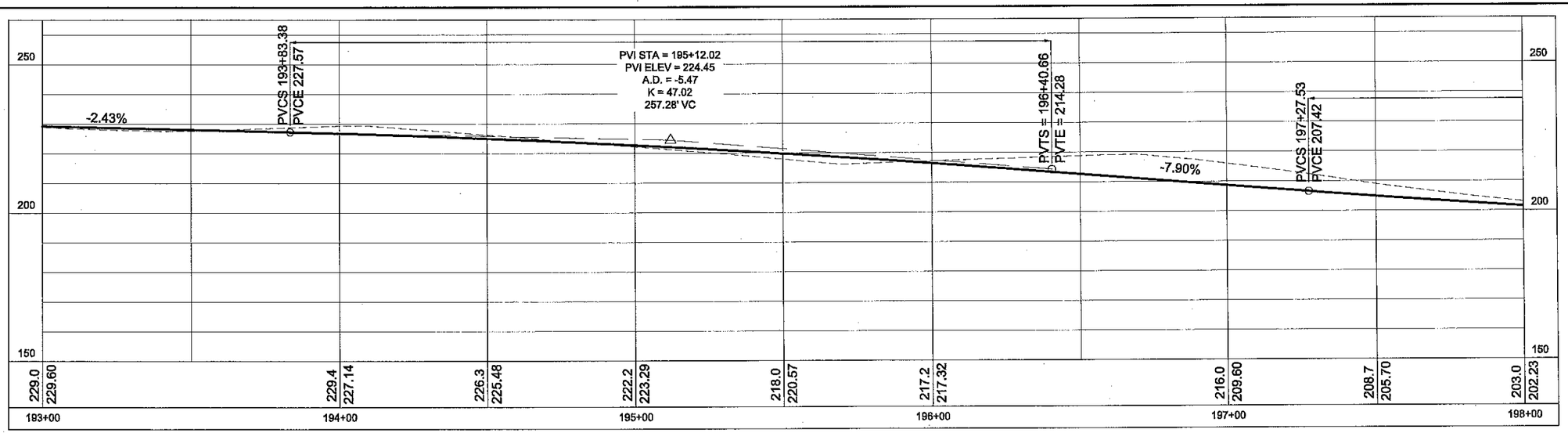


LT. TRAVERSABLE SLOPE TRANSITION	
STATION	WIDTH
193+00	15'
193+50	8'
196+00	8'
196+50	15'
197+00	15'
198+00	8'

RT. CUT SLOPE TRANSITION	
STATION	SLOPE
193+75	0.75:1
194+00	1.5:1
195+50	1.5:1
195+75	0.75:1

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

PE _____ Date 4/14/11



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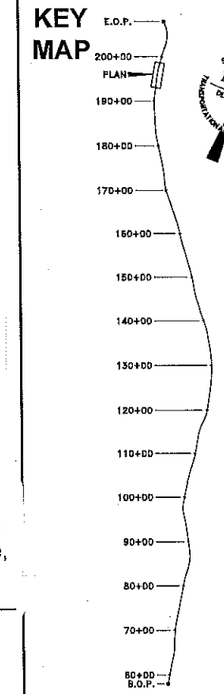
TAB:F28 March 23, 2011 at: 8:32am

ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KEY MAP



PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL G. STORY No. 8807-CE 4/23/11 REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON

DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

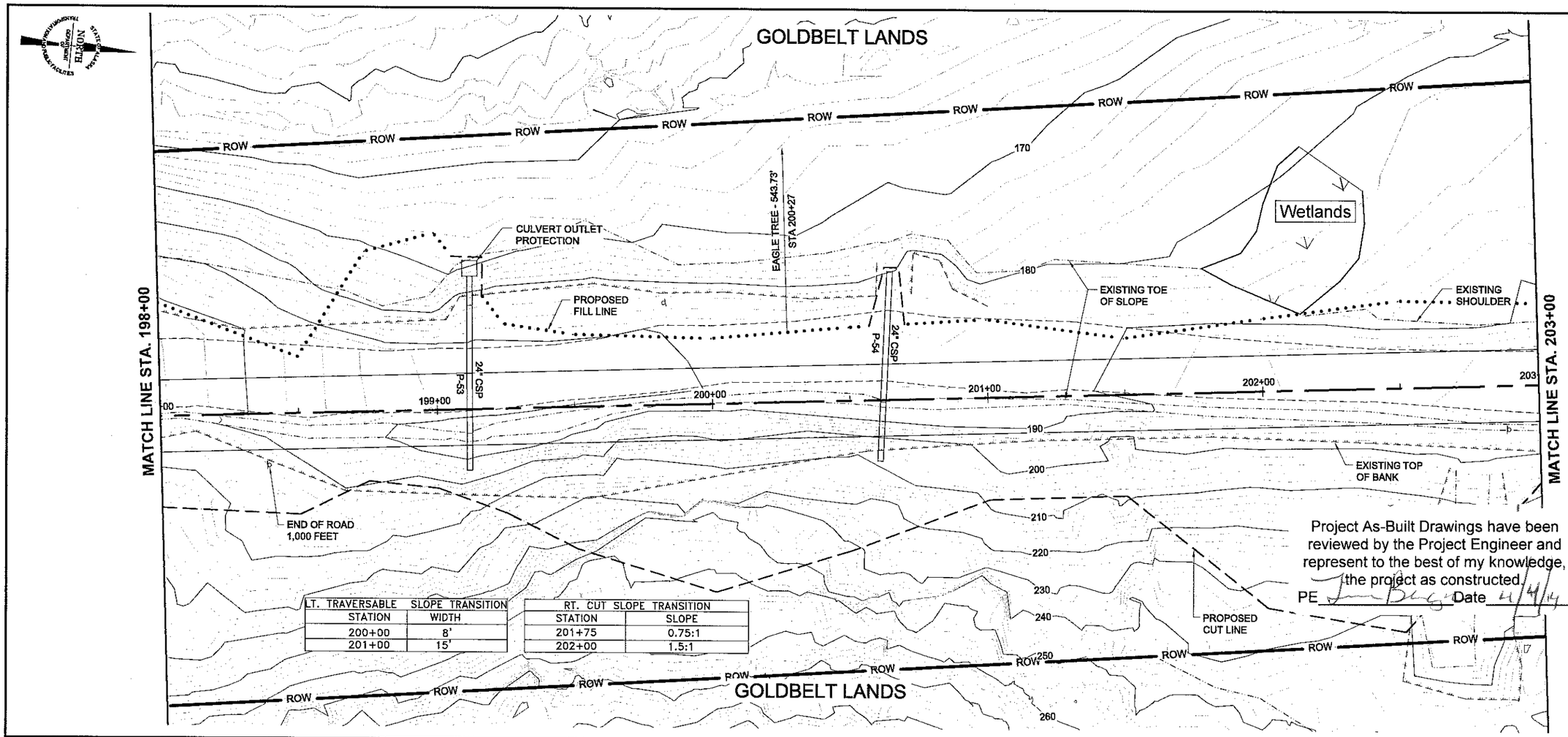
GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

PLAN & PROFILE

PROJECT DESIGNATION NUMBER
69583

STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F28	52

DO NOT SCALE FROM THESE DRAWINGS. USE DIMENSIONS

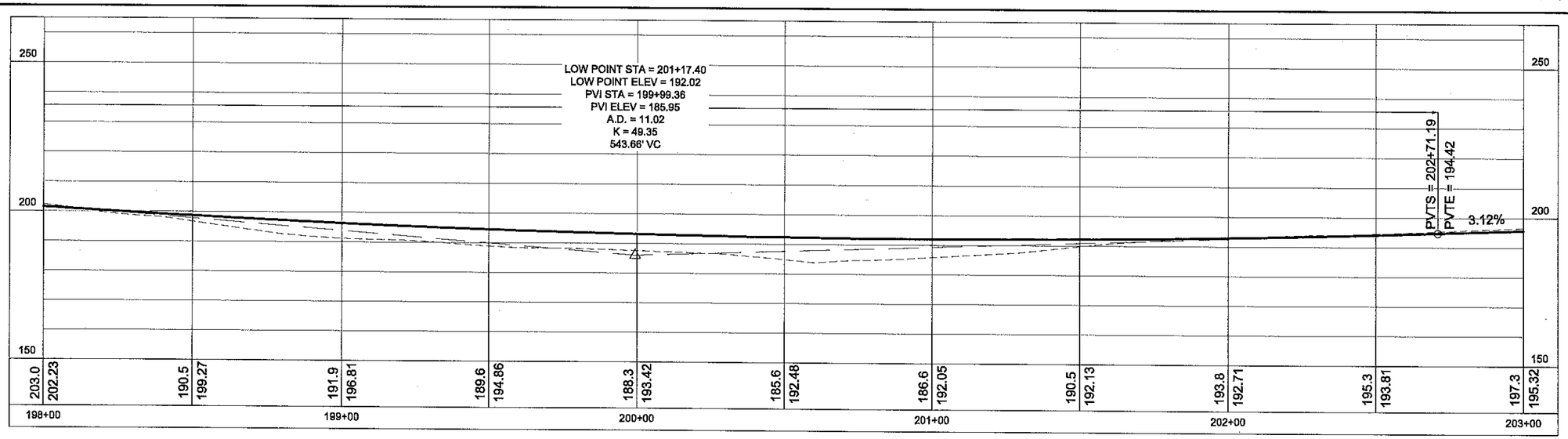


LT. TRAVERSABLE SLOPE TRANSITION	
STATION	WIDTH
200+00	8'
201+00	15'

RT. CUT SLOPE TRANSITION	
STATION	SLOPE
201+75	0.75:1
202+00	1.5:1

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

PE _____ Date 4/4/14



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TAB:F29 March 23, 2011 at: 8:34am

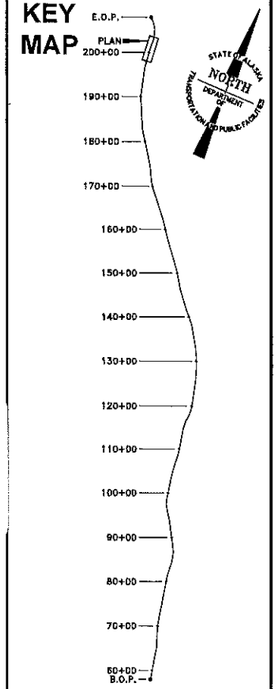
ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KEY MAP



PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL E. STORY No. 6687-CE REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON

DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

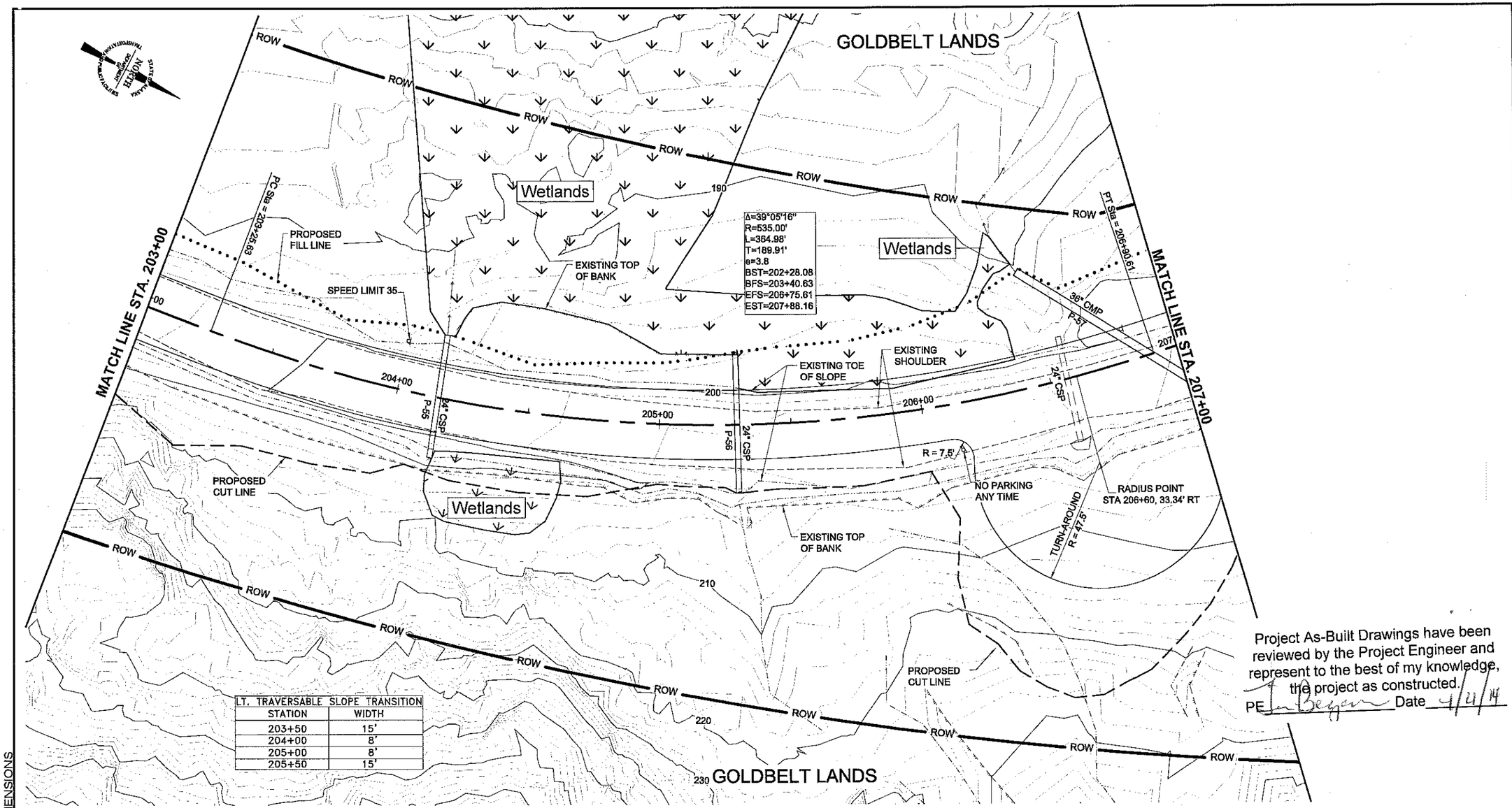
PLAN & PROFILE

PROJECT DESIGNATION NUMBER
69583

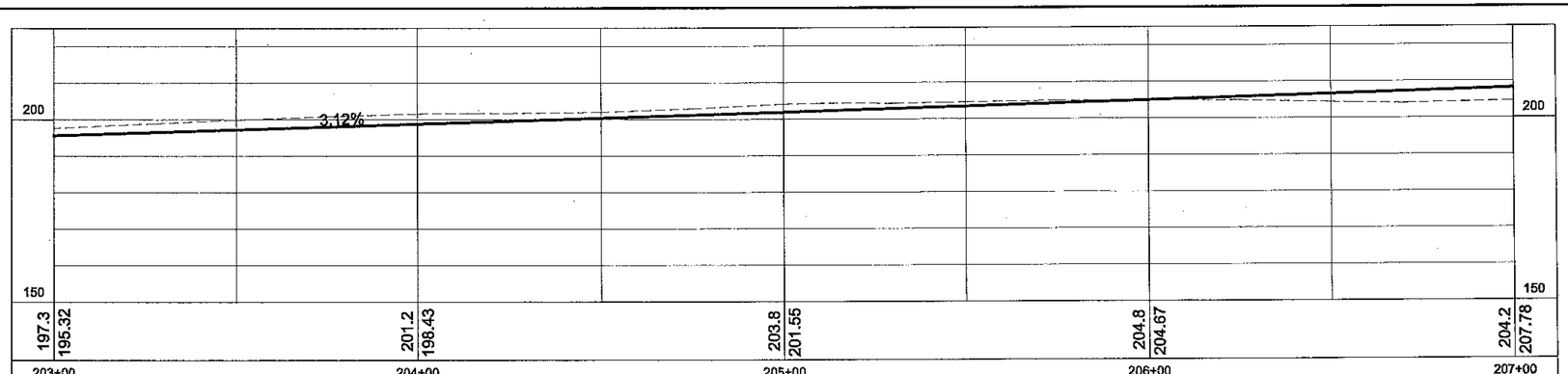
STATE	YEAR
ALASKA	2011

SHEET NUMBER	TOTAL SHEETS
F29	52

DO NOT SCALE FROM THESE DRAWINGS. USE DIMENSIONS



LT. TRAVERSABLE SLOPE TRANSITION	
STATION	WIDTH
203+50	15'
204+00	8'
205+00	8'
205+50	15'



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

PE _____ Date 4/21/14

PATH: I:\2010\101309\Autocad Drawings\EP\101309wk.dwg

TAB:F30 March 23, 2011 at: 11:16am

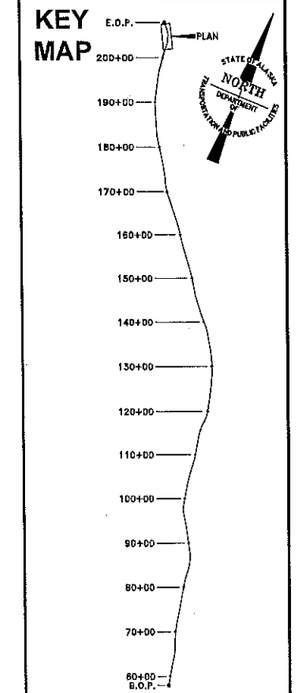
ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KEY MAP



PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL O. STORY No. 6607-EE REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON

DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

PLAN & PROFILE

PROJECT DESIGNATION NUMBER	
69583	
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F30	52

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH: I:\2010\101309\Autocad Drawings\EP\101309wk.dwg

TAB:F31 March 23, 2011 at: 12:06pm

END EARTHWORK
STA. 208+53.98
MATCH EXISTING

TCP - 2 GOLDBELT INSTALL GATE

RELOCATE
GATE TO STA 210+18.00
LT. OF CL 17.29

E.O.P.
STA. 210+18.00

PROPOSED FILL LINE

N 46°16'13" W-327.36 FT

R=7.5

BEGIN TRANSITION TO MATCH EXISTING AT STA 208+50

PROPOSED CUT LINE

NO PARKING ANY TIME

SPECIAL DITCH FROM HIGH POINT TO STA 208+53.98

ENTERING NATIONAL FOREST

STA 207+05.63 BEGIN PERPENDICULAR PARKING

STA 207+99.13 END PERPENDICULAR PARKING

MATCH LINE STA. 207+00

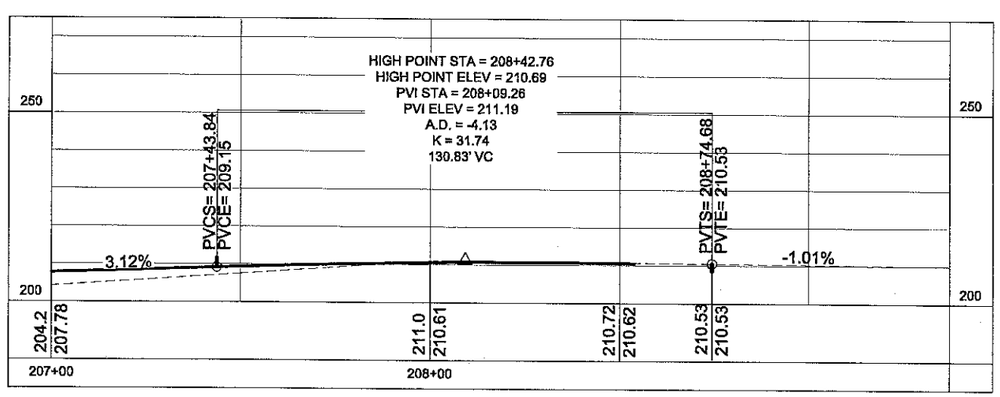
GOLDBELT LANDS

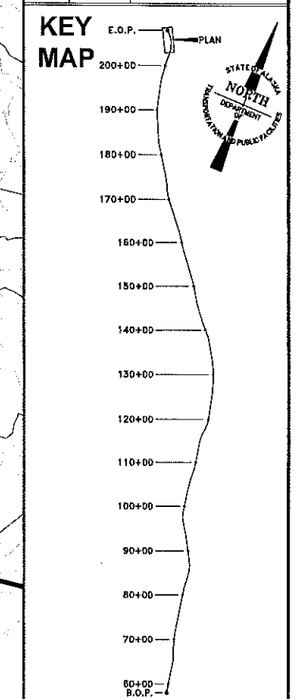
U.S. FOREST SERVICE LANDS

GOLDBELT LANDS

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

PE Date 4/4/14





ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL C. STORY No. 8687-CE 4/24/11 REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON

DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

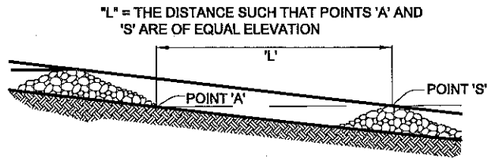
GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

PLAN & PROFILE

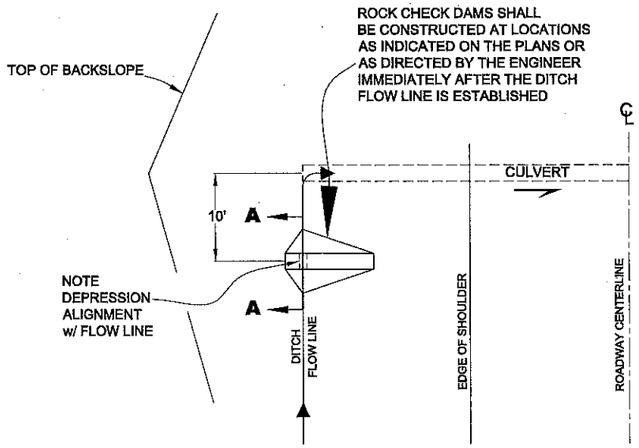
PROJECT DESIGNATION NUMBER
69583

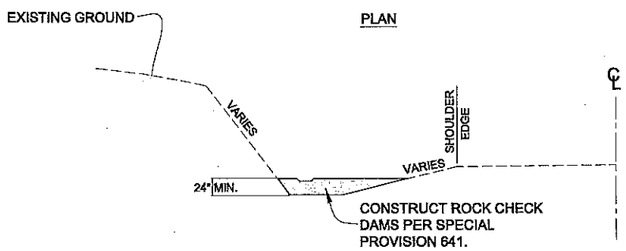
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F31	52

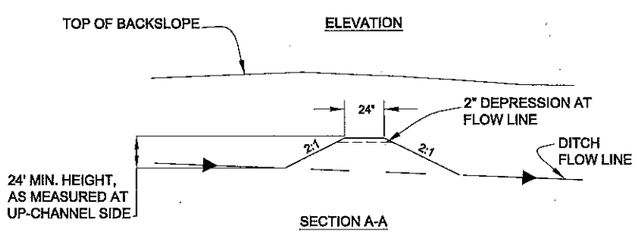
DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS



SPACING BETWEEN CHECK DAMS







TEMPORARY CHECK DAM DETAILS

641(8) TEMPORARY CHECK DAMS

STATION	OFFSET	REMARKS	STATION	OFFSET	REMARKS	STATION	OFFSET	REMARKS	STATION	OFFSET	REMARKS
58+55	RT 24'		71+53	RT 24'		115+79	RT 24'		172+66	RT 24'	
59+08	RT 24'		71+84	RT 24'		117+06	RT 24'		173+52	RT 24'	
59+52	RT 24'		72+15	RT 24'		117+85	RT 24'		174+12	RT 24'	
59+89	RT 24'		72+46	RT 24'		118+61	RT 24'		174+62	RT 24'	
60+26	RT 24'		72+77	RT 24'		118+78	RT 24'		175+08	RT 24'	
60+26	RT 24'		73+08	RT 24'		119+54	RT 24'		175+54	RT 24'	
60+63	RT 24'		73+39	RT 24'		120+29	RT 24'		175+99	RT 24'	
61+74	RT 24'		73+70	RT 24'		120+57	RT 24'		176+45	RT 24'	
62+11	RT 24'		74+03	RT 24'		121+46	RT 24'		176+91	RT 24'	
62+50	RT 24'		74+39	RT 24'		122+07	RT 24'		177+37	RT 24'	
62+94	RT 24'		74+78	RT 24'		123+34	RT 24'		177+83	RT 24'	
63+53	RT 24'		75+25	RT 24'		124+15	RT 24'		178+29	RT 24'	
65+88	RT 24'		75+50	RT 24'		125+04	RT 24'		178+84	RT 24'	
66+01	RT 24'		76+21	RT 24'		125+94	RT 24'		179+30	RT 24'	
66+59	RT 24'		76+99	RT 24'		126+83	RT 24'		179+76	RT 24'	
67+05	RT 24'		77+77	RT 24'		127+84	RT 24'		180+22	RT 24'	
67+56	RT 24'		78+22	RT 24'		128+73	RT 24'		180+68	RT 24'	
67+91	RT 24'		79+00	RT 24'		129+63	RT 24'		181+14	RT 24'	
68+23	RT 24'		79+78	RT 24'		130+52	RT 24'		181+63	RT 24'	
68+54	RT 24'		80+56	RT 24'		131+03	RT 24'		182+31	RT 24'	
68+89	RT 24'		81+33	RT 24'		132+73	RT 24'		184+04	RT 24'	
69+20	RT 24'		82+11	RT 24'		135+72	RT 24'		184+90	RT 24'	
69+51	RT 24'		82+89	RT 24'		137+82	RT 24'		185+46	RT 24'	
69+82	RT 24'		83+67	RT 24'		138+03	RT 24'		185+90	RT 24'	
70+14	RT 24'		84+29	RT 24'		139+18	RT 24'		186+29	RT 24'	
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70+91	RT 24'		85+67	RT 24'		140+49	RT 24'		187+18	RT 24'	
71+22	RT 24'		87+90	RT 24'		141+13	RT 24'		187+57	RT 24'	
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			89+80	RT 24'		142+12	RT 24'		188+35	RT 24'	
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			100+77	RT 24'		156+17	RT 24'		195+92	RT 24'	
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			102+65	RT 24'		159+52	RT 24'		197+15	RT 24'	
			104+53	RT 24'		160+15	RT 24'		197+46	RT 24'	
			104+73	RT 24'		160+80	RT 24'		197+78	RT 24'	
			106+01	RT 24'		161+68	RT 24'		198+14	RT 24'	
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			108+34	RT 24'		164+16	RT 24'		199+56	RT 24'	
			108+70	RT 24'		164+55	RT 24'		200+51	RT 24'	
			109+18	RT 24'		164+89	RT 24'		200+71	RT 24'	
			109+64	RT 24'		165+22	RT 24'		202+70	RT 24'	
			109+92	RT 24'		165+57	RT 24'		203+09	RT 24'	
			110+39	RT 24'		165+96	RT 24'		204+09	RT 24'	
			110+86	RT 24'		166+35	RT 24'		204+27	RT 24'	
			111+00	RT 24'		166+35	RT 24'		204+96	RT 24'	
			111+47	RT 24'		166+88	RT 24'		205+40	RT 24'	
			111+99	RT 24'		167+63	RT 24'		206+09	RT 24'	
			112+93	RT 24'		169+06	RT 24'		206+78	RT 24'	
			115+10	RT 24'		172+46	RT 24'		207+40	RT 24'	

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE [signature] Date 4/4/14

1. REFER TO APPENDIX B OF THE CONTRACT DOCUMENTS FOR THE ENVIRONMENTAL COMMITMENTS, PERMITS, AND EROSION AND SEDIMENT CONTROL PLAN.
2. INSTALL EROSION AND SEDIMENT CONTROL DEVICES BEFORE EARTH DISTURBING ACTIVITIES.
3. EROSION AND SEDIMENT CONTROL DEVICES REQUIRE INSPECTION AND MAINTENANCE TO INSURE THEY ARE FUNCTIONING. SEE SECTION 641 OF THE SPECIAL PROVISIONS.
4. IF INSPECTION REVEALS SEDIMENT IS DISCHARGING BEYOND THE PROJECT WORK LIMITS, IMMEDIATELY IMPLEMENT CORRECTIVE ACTION. ADDITIONAL EROSION OR SEDIMENT CONTROL DEVICES MAY BE REQUIRED.
5. STABILIZE DISTURBED GROUND AS SOON AS POSSIBLE. UNSTABILIZED SURFACES MUST BE TEMPORARILY STABILIZED WITH SEEDING OR OTHER EFFECTIVE MEASURES WITHIN 14 DAYS OF CESSATION OF LAND DISTURBING ACTIVITIES IN THE VICINITY. SEE SECTION 641-3.01 OF THE SPECIAL PROVISIONS. MAINTAIN EROSION AND SEDIMENT CONTROL UNTIL PROJECT WORK AREAS ARE SEEDED AND HAVE ACHIEVED 70% VEGETATIVE COVER.

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH: I:\2010\101309\Autocad Drawings\EP\101309wk.dwg

TAB:P1 March 22, 2011 at: 10:05am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

GLACIER HIGHWAY EXTENSION

Erosion & Sediment Control Plan

PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL O. STORY No. 6807-SE REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON

DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

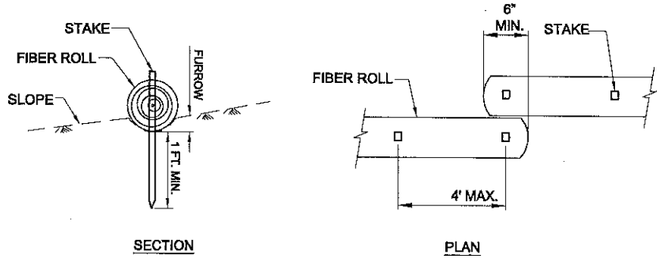
Erosion & Sediment Control Plan

PROJECT DESIGNATION NUMBER
69583

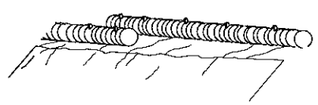
STATE	YEAR
ALASKA	2011

SHEET NUMBER	TOTAL SHEETS
P1	52

633(2) SEDIMENT BARRIER					
FROM		TO		LENGTH	REMARKS
STA.	OFF.	STA.	OFF.		
75+14	24	77+54	34	241	
81+87	40	86+04	16	414	
107+34	27	113+91	24	296	
116+85	30	123+92	30	656	
125+90	29	136+16	32	691	
139+72	24	141+68	23	1029	
142+42	24	143+00	31	195	
144+12	25	145+74	33	60	
147+06	22	157+52	34	1036	
167+30	41	171+58	55	429	
193+56	25	195+93	33	252	
201+79	24	202+39	30	60	
204+00	25	206+61	45	244	

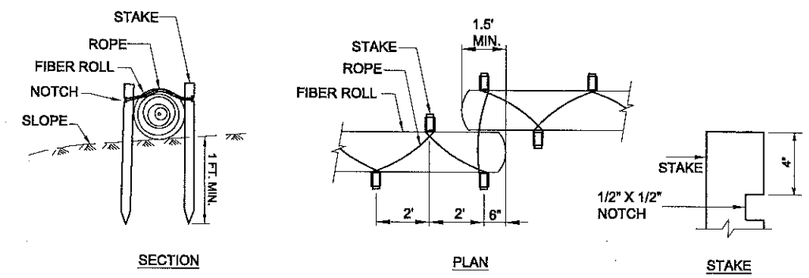


FIBER ROLL (TYPE 1)

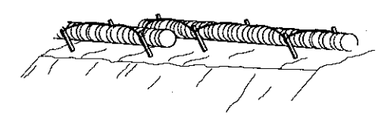


PERSPECTIVE

FIBER ROLL (TYPE 1)



FIBER ROLL (TYPE 2)



PERSPECTIVE

FIBER ROLL (TYPE 2)

NOTES:

1. THE LOCATION AND LENGTH OF FIBER ROLLS IS DEPENDENT ON THE CONDITION OF THE SITE.
2. LAP ADJACENT FIBER ROLLS TO PREVENT SEDIMENT BYPASS.
3. ANCHOR AS NECESSARY TO FIRMLY SECURE FIBER ROLLS AND PROVIDE CONTINUOUS CONTACT WITH THE SURFACE ON WHICH IT IS INSTALLED.

EROSION & SEDIMENT CONTROL NOTES:

1. THE LOCATIONS OF TEMPORARY EROSION & SEDIMENT POLLUTION CONTROLS ARE RECOMMENDATIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE AND IMPLEMENT A SWPPP ACCORDING TO SECTION 641 OF THE SPECS.
2. MAINTAIN DEVICES. MONITOR DAILY. REMOVE SEDIMENT FROM SEDIMENT TRAPS WHEN 4" OF SEDIMENT HAS ACCUMULATED.

TYPICAL FIBER ROLL DETAILS

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

PE _____ Date 4/4/14

DO NOT SCALE FROM THESE DRAWINGS. USE DIMENSIONS

PATH: I:\2010\101309\Autocad Drawings\EP\101309wk.dwg

TAB:P2 March 21, 2011 at: 9:02am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

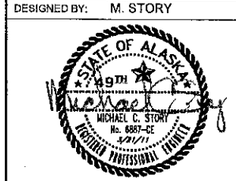
No.	DATE	DESCRIPTION

GLACIER HIGHWAY EXTENSION

Erosion & Sediment Control Plan

PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY



CHECKED BY: M. JOHNSON

DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

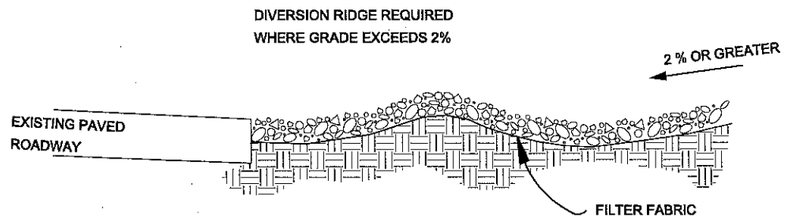
GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

Erosion & Sediment Control Plan

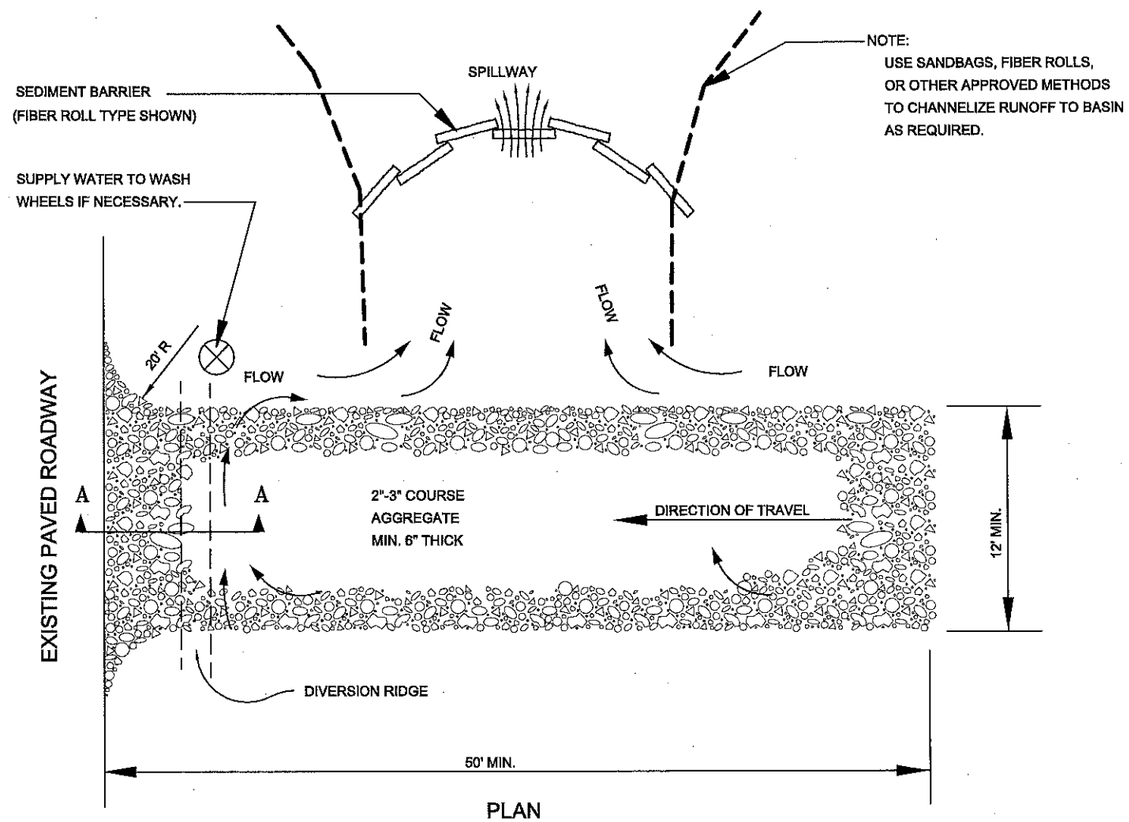
PROJECT DESIGNATION NUMBER

69583

STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
P2	52



SECTION A - A



PLAN

NOTES:

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABLIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE _____ Date 4/4/11

DO NOT SCALE FROM THESE DRAWINGS. USE DIMENSIONS

PATH: I:\2010\101309\Autocad Drawings\EP\101309wk.dwg

TAB:P3 March 21, 2011 at: 9:07am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

GLACIER HIGHWAY EXTENSION

Erosion & Sediment Control Plan

PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

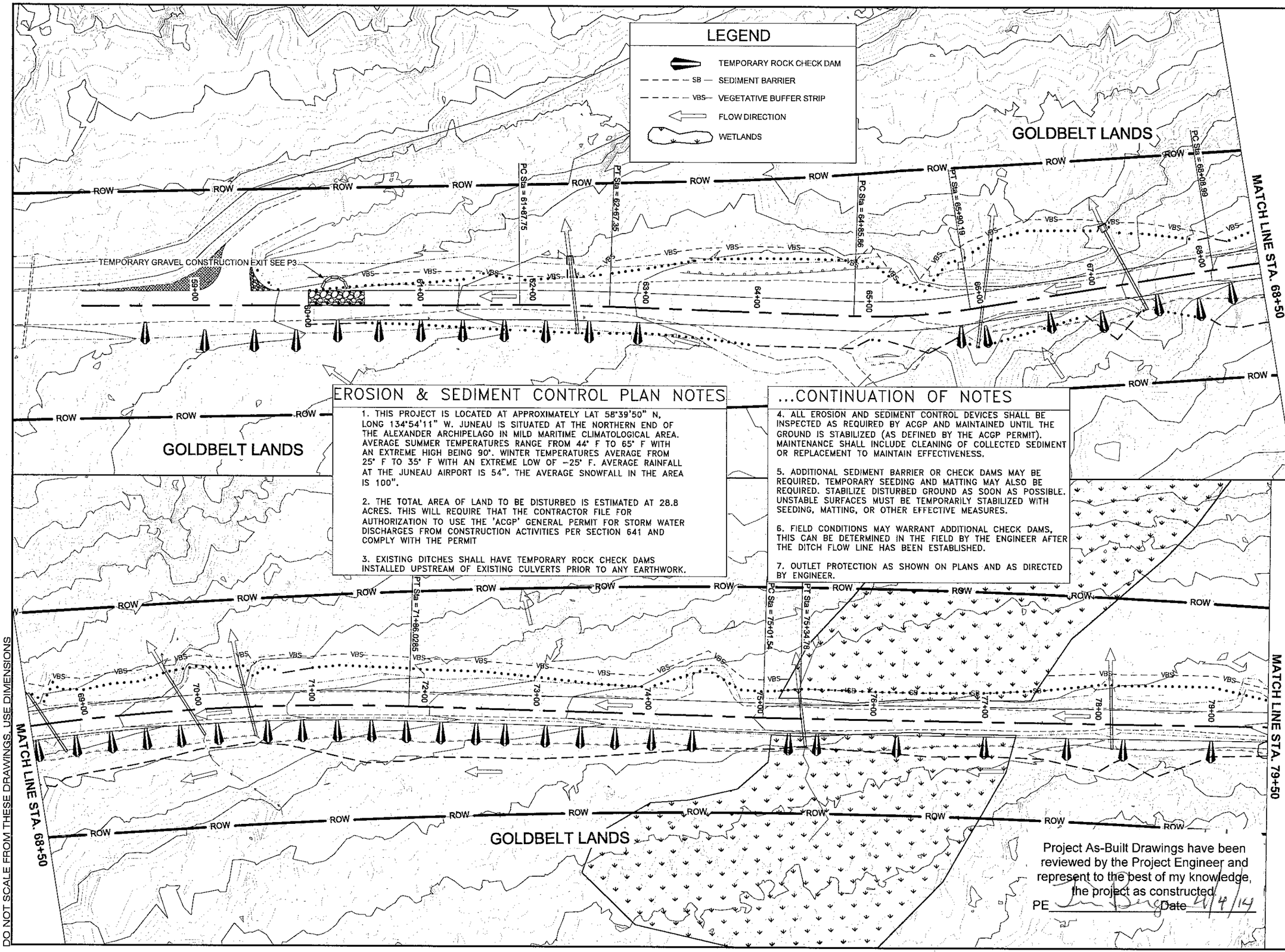
CHECKED BY: M. JOHNSON
DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

Erosion & Sediment Control Plan

PROJECT DESIGNATION NUMBER	
69583	
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
P3	52



EROSION & SEDIMENT CONTROL PLAN NOTES

1. THIS PROJECT IS LOCATED AT APPROXIMATELY LAT 58°39'50" N, LONG 134°54'11" W. JUNEAU IS SITUATED AT THE NORTHERN END OF THE ALEXANDER ARCHIPELAGO IN MILD MARITIME CLIMATOLOGICAL AREA. AVERAGE SUMMER TEMPERATURES RANGE FROM 44° F TO 65° F WITH AN EXTREME HIGH BEING 90°. WINTER TEMPERATURES AVERAGE FROM 25° F TO 35° F WITH AN EXTREME LOW OF −25° F. AVERAGE RAINFALL AT THE JUNEAU AIRPORT IS 54". THE AVERAGE SNOWFALL IN THE AREA IS 100".

2. THE TOTAL AREA OF LAND TO BE DISTURBED IS ESTIMATED AT 28.8 ACRES. THIS WILL REQUIRE THAT THE CONTRACTOR FILE FOR AUTHORIZATION TO USE THE 'ACGP' GENERAL PERMIT FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES PER SECTION 641 AND COMPLY WITH THE PERMIT

3. EXISTING DITCHES SHALL HAVE TEMPORARY ROCK CHECK DAMS INSTALLED UPSTREAM OF EXISTING CULVERTS PRIOR TO ANY EARTHWORK.

...CONTINUATION OF NOTES

4. ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSPECTED AS REQUIRED BY ACGP AND MAINTAINED UNTIL THE GROUND IS STABILIZED (AS DEFINED BY THE ACGP PERMIT). MAINTENANCE SHALL INCLUDE CLEANING OF COLLECTED SEDIMENT OR REPLACEMENT TO MAINTAIN EFFECTIVENESS.

5. ADDITIONAL SEDIMENT BARRIER OR CHECK DAMS MAY BE REQUIRED. TEMPORARY SEEDING AND MATTING MAY ALSO BE REQUIRED. STABILIZE DISTURBED GROUND AS SOON AS POSSIBLE. UNSTABLE SURFACES MUST BE TEMPORARILY STABILIZED WITH SEEDING, MATTING, OR OTHER EFFECTIVE MEASURES.

6. FIELD CONDITIONS MAY WARRANT ADDITIONAL CHECK DAMS, THIS CAN BE DETERMINED IN THE FIELD BY THE ENGINEER AFTER THE DITCH FLOW LINE HAS BEEN ESTABLISHED.

7. OUTLET PROTECTION AS SHOWN ON PLANS AND AS DIRECTED BY ENGINEER.

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

PE [signature] Date 4/4/14

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

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TAB:P4 March 23, 2011 at: 12:19pm

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

GLACIER HIGHWAY EXTENSION

Erosion & Sediment Control Plan

PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL C. STORY No. 6887-CE 3/23/11 REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON

DRAWN BY: N. PURVES

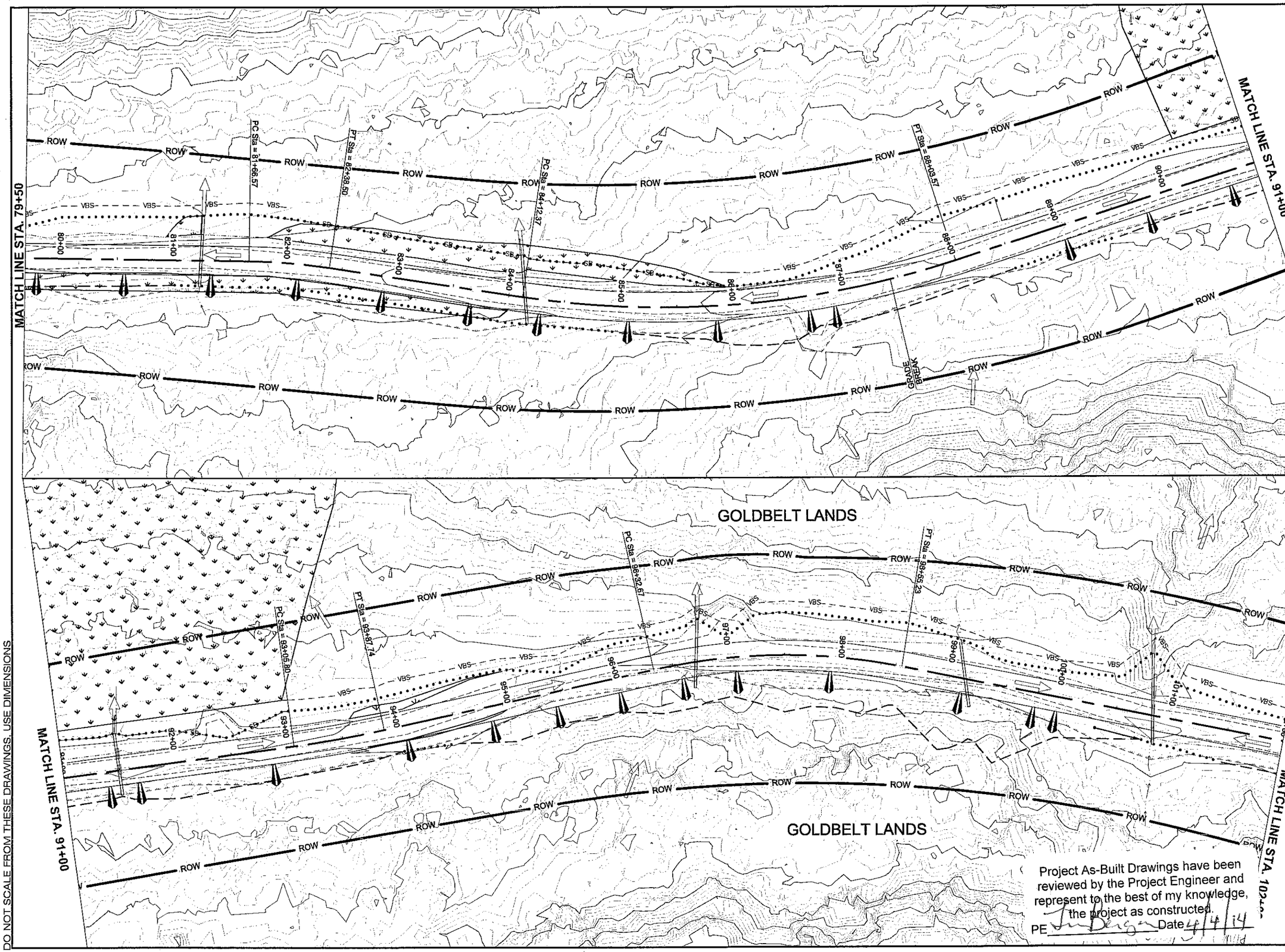
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

Erosion & Sediment Control Plan

PROJECT DESIGNATION NUMBER
69583

STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
P4	52



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

PE _____ Date 4/4/14

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH: I:\2010\101309\Autocad Drawings\EP\101309wk.dwg

TAB:P5 March 23, 2011 at: 12:23pm

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

GLACIER HIGHWAY EXTENSION

Erosion & Sediment Control Plan

PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL C. STORY No. 6887-CE REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON

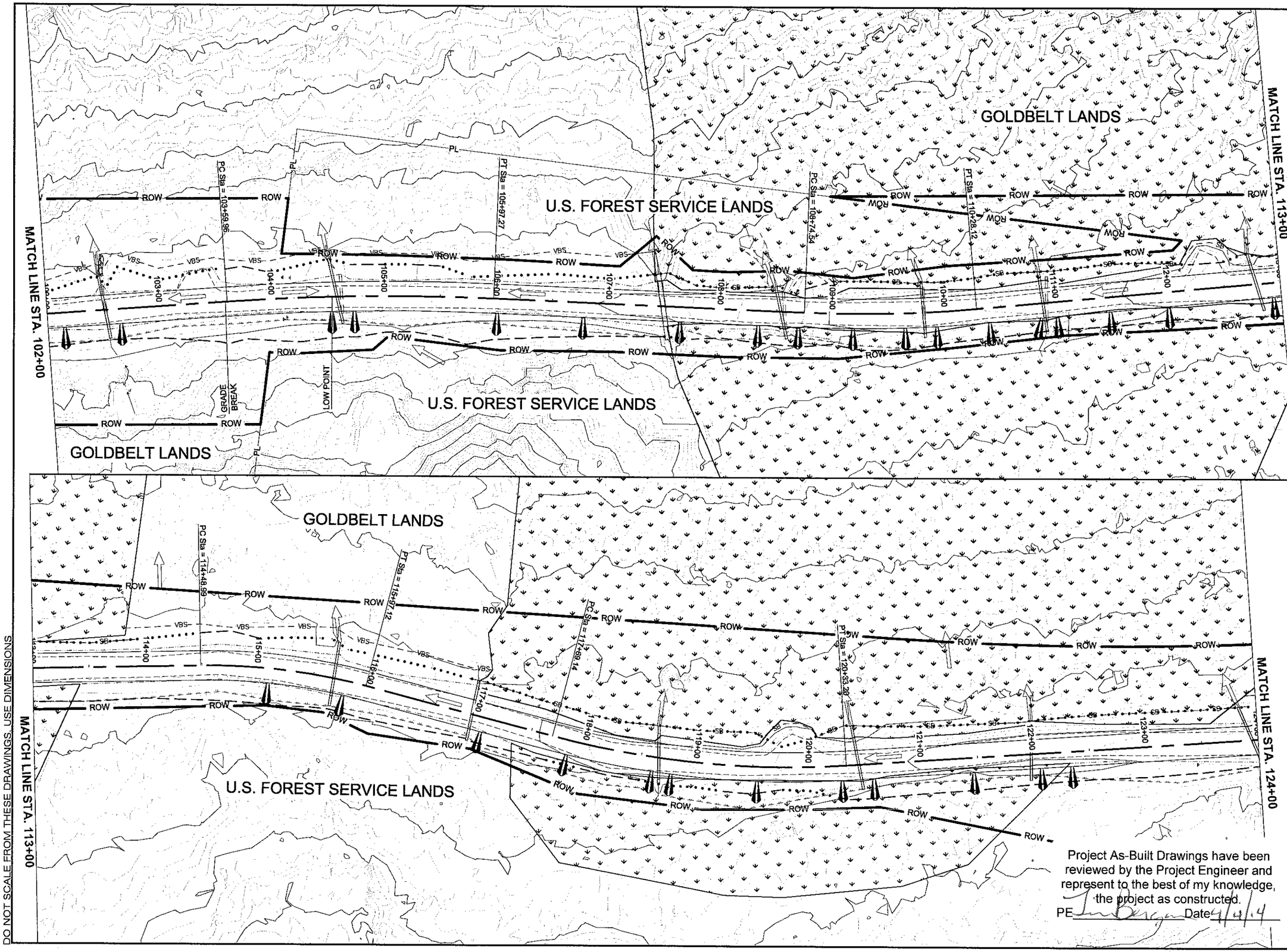
DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

Erosion & Sediment Control Plan

PROJECT DESIGNATION NUMBER	
69583	
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
P5	52



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

PE J. Bergan Date 4/4/14

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH: I:\2010\101309\Autocad Drawings\EP\101309wk.dwg

TAB:P6 March 21, 2011 at: 9:18am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

GLACIER HIGHWAY EXTENSION

Erosion & Sediment Control Plan

PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL C. STORY No. 9687-CE REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON

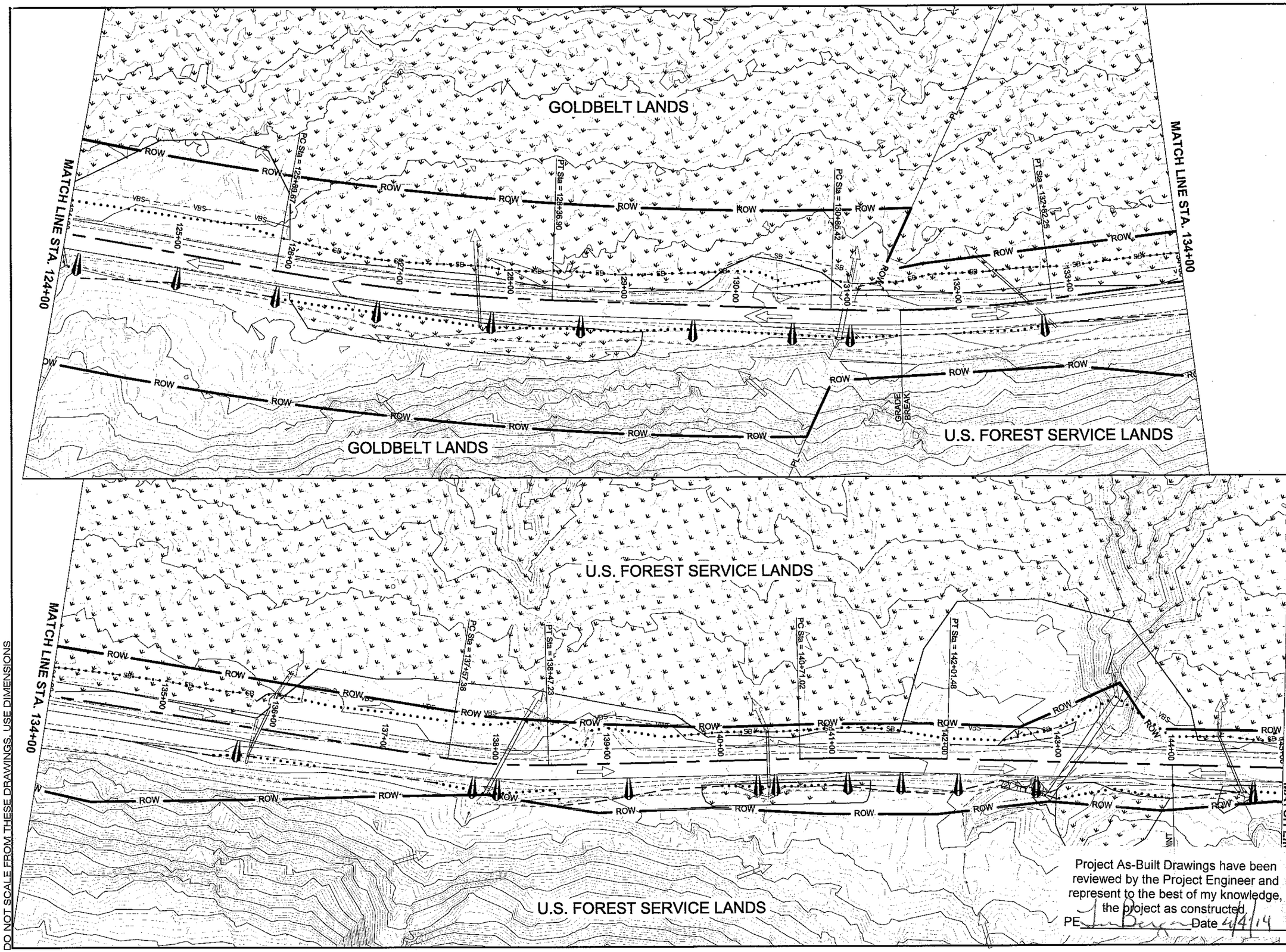
DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

Erosion & Sediment Control Plan

PROJECT DESIGNATION NUMBER	
69583	
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
P6	52



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

PE J. Berger Date 4/4/14

PATH: I:\2010\101309\Autocad Drawings\EP\101309wk.dwg

TAB:P7 March 21, 2011 at: 9:21am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

GLACIER HIGHWAY EXTENSION

Erosion & Sediment Control Plan

PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL G. STORY No. 9867-CE 3/31/11 REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON

DRAWN BY: N. PURVES

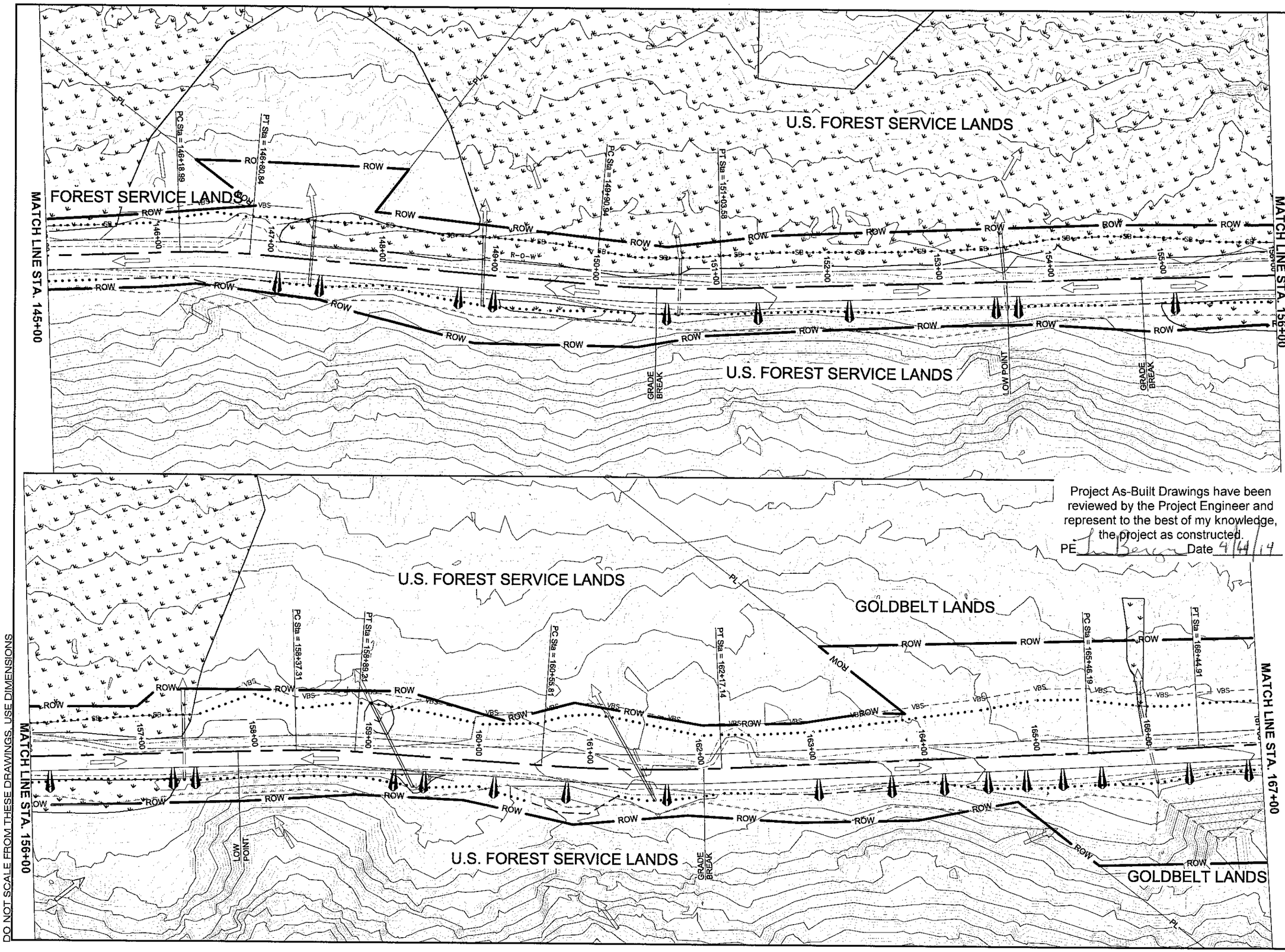
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

Erosion & Sediment Control Plan

PROJECT DESIGNATION NUMBER	
69583	
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
P7	52

DO NOT SCALE FROM THESE DRAWINGS. USE DIMENSIONS



DO NOT SCALE FROM THESE DRAWINGS. USE DIMENSIONS

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

PE L. Berger Date 4/4/14

PATH: I:\2010\101309\Autocad Drawings\EP\101309wk.dwg

TAB:P8 March 21, 2011 at: 9:28am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

GLACIER HIGHWAY EXTENSION

Erosion & Sediment Control Plan

PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL C. STORY No. 8887-CE 4/21/11 REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON

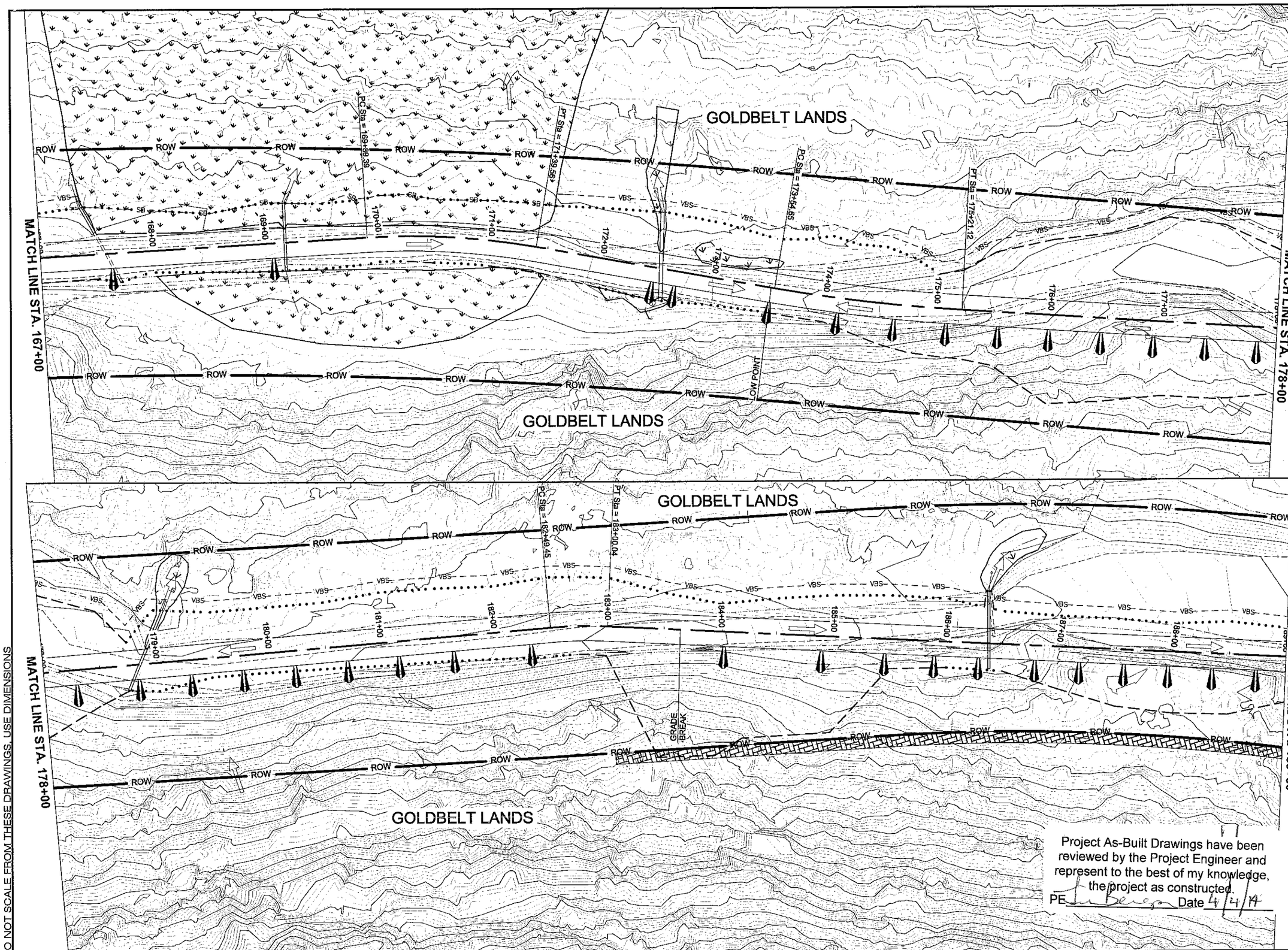
DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

Erosion & Sediment Control Plan

PROJECT DESIGNATION NUMBER	
69583	
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
P8	52



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

PE _____ Date 4/4/14

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH: I:\2010\101309\Autocad Drawings\EP\101309wk.dwg

TAB:P9 March 23, 2011 at: 12:25pm

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

GLACIER HIGHWAY EXTENSION

Erosion & Sediment Control Plan

PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL G. STORY No. 8867-CE 4/21/11 REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON

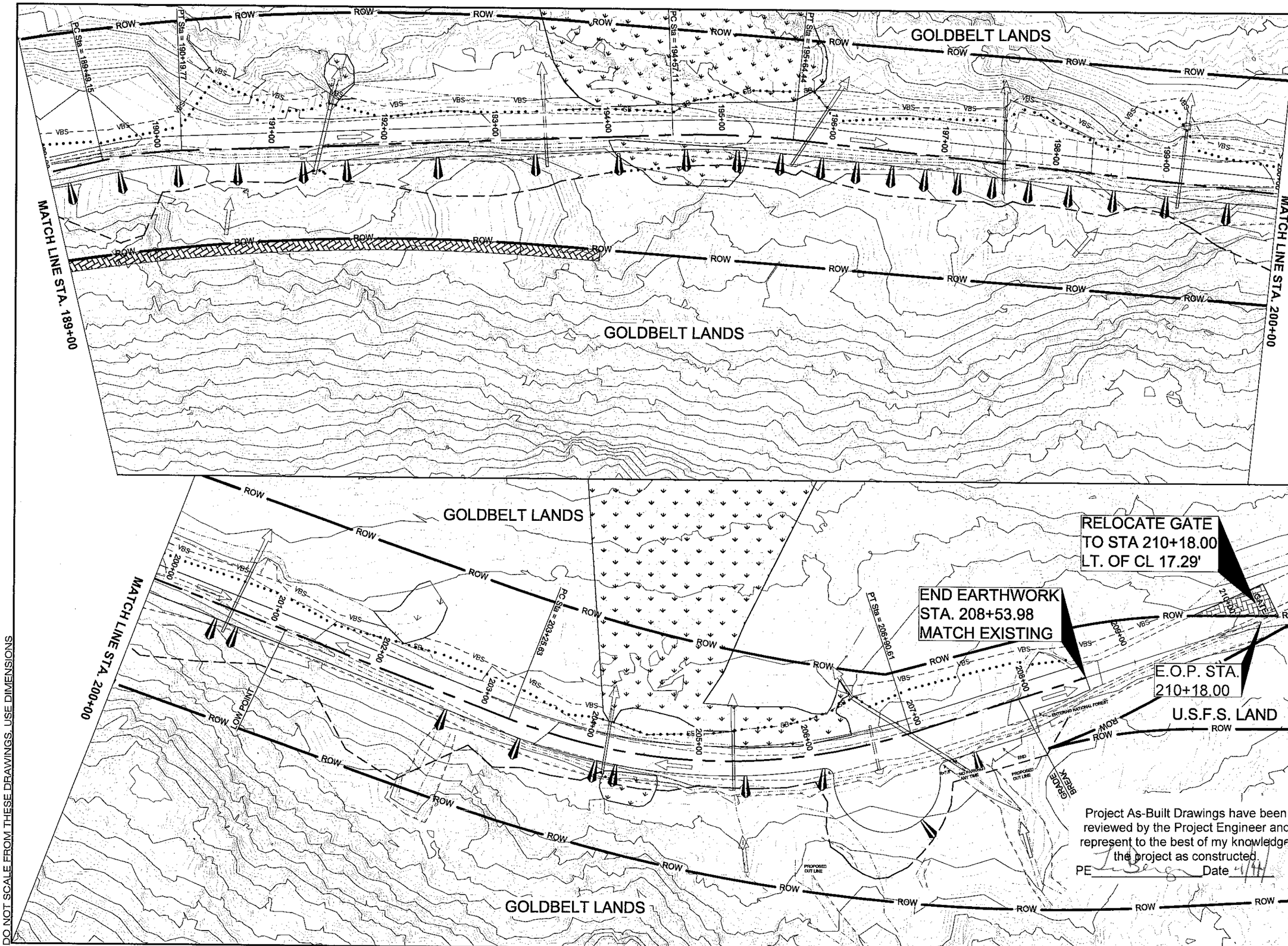
DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

Erosion & Sediment Control Plan

PROJECT DESIGNATION NUMBER	
69583	
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
P9	52



DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge the project as constructed.

PE _____ Date 4/14/

PATH: I:\2010\101309\Autocad Drawings\EP\101309wk.dwg

TAB:P10 March 21, 2011 at: 9:34am

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

GLACIER HIGHWAY EXTENSION

Erosion & Sediment Control Plan

PREPARED BY: R&M ENGINEERING, INC.
R&M PROJECT #: 101309

DESIGNED BY: M. STORY

STATE OF ALASKA 49TH MICHAEL C. STORY No. 6687-CE REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: M. JOHNSON

DRAWN BY: N. PURVES

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

GLACIER HIGHWAY EXTENSION
DOT&PF PROJECT # 69583

Erosion & Sediment Control Plan

PROJECT DESIGNATION NUMBER	
69583	
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
P10	52