

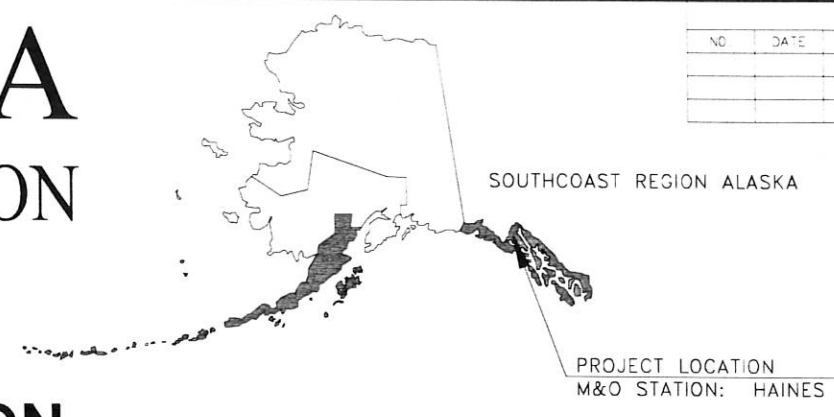
DRAWN BY: S. TYLER
 CHECKED BY: S. HOBBS
 DESIGNER: N. HOBBS
 DATE: 5/22/2018 12:17
 LAYOUT: A1
 C:\Civ11_3D\Projects\2016\2A\161850-02\Civil1\SA-GN-CV-A1-61850.dwg

STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

HAINES HIGHWAY RECONSTRUCTION MILEPOST 12.2 TO 23, PHASE 2 PROJECT NO. 0956036/SFHWHY00171

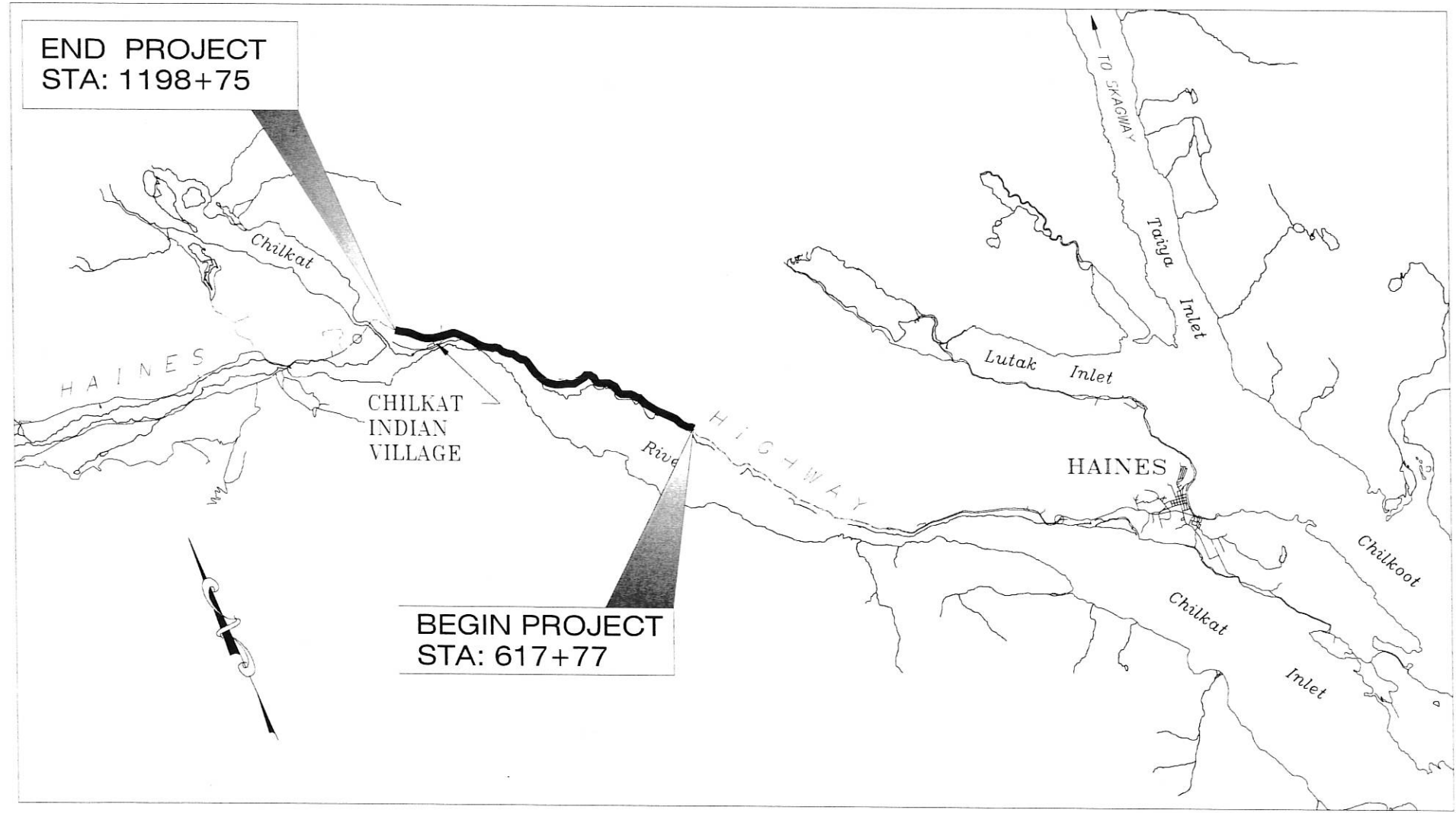
GRADING, DRAINAGE, PAVING, SIGNING & STRIPING



REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	ALASKA	0956036/SFHWHY00171	2018	A1	A6
						PLAN SET TOTAL	197
CDS ROUTE: 298000				MILEPOINT: 11.73 TO 22.4			
LATITUDE: N 59° 18' 26"				LONGITUDE: W 135° 42' 51"			

DESIGN DESIGNATIONS	
FUNCTIONAL CLASS	RURAL OTHER PRINCIPAL ARTERIAL
ADT (2013)	580
ADT (2037)	650
DHV (15.4%) 2011	90
DHV (15.4%) 2037	100
PERCENT TRUCKS (%)	15.1%
DIRECTIONAL SPLIT (D)	55/45
DESIGN SPEED (V)	55 MPH
DESIGN ESAL'S (20 YEARS)	1,450,000

PROJECT SUMMARY	
HAINES HIGHWAY MP 12.2 TO MP 23	
LENGTH OF PROJECT	10.8 MI.
LENGTH OF PAVING	10.8 MI.
WIDTH OF PAVING	36 FT.



LOCAL CONCURRENCE
9/1/2018

USE THESE PLANS IN CONJUNCTION WITH THE STATE OF ALASKA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2017 EDITION AND THE PROJECT SPECIAL PROVISIONS.

PLANS DEVELOPED BY: DOWL
5368 COMMERCIAL B.V.D. - JUNEAU, AK 99801
907-750-3533 - #AeCL848

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES

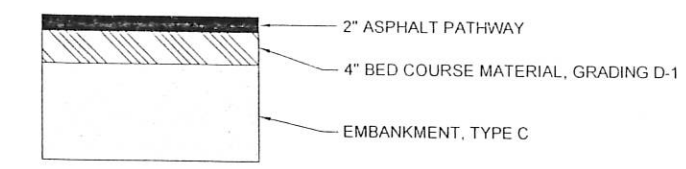
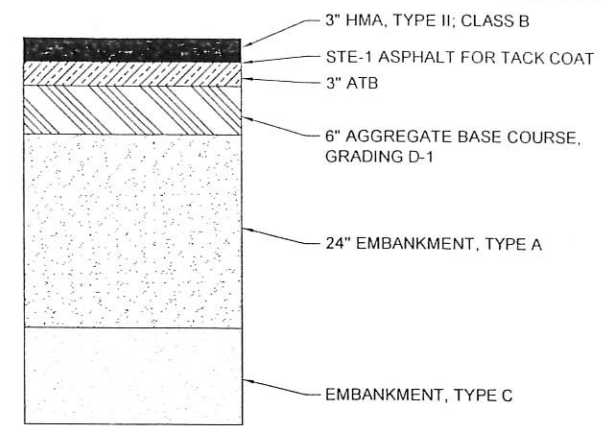
APPROVED:

L. PAT CARROLL, P.E.
REGIONAL PRECONSTRUCTION ENGINEER
CONCUR: _____ DATE _____

MICHAEL J. COFFEY
DIRECTOR, SOUTHCOAST REGION
DATE _____

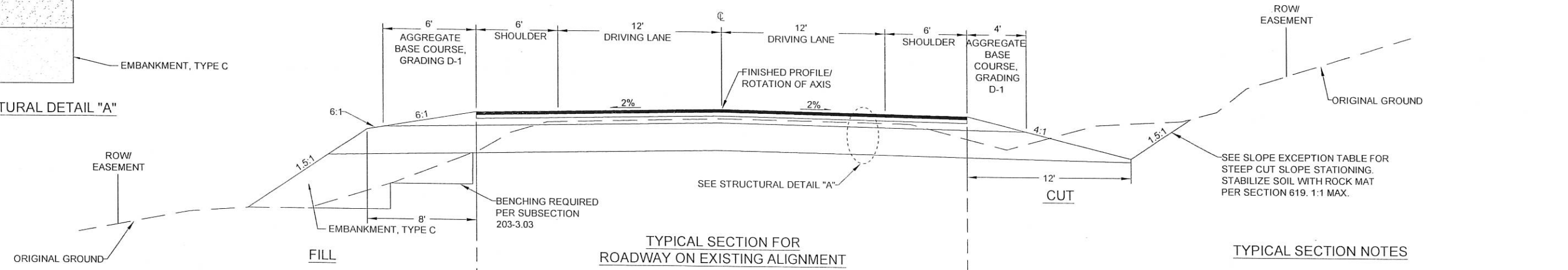
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 DESIGNED SRT
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHWHY00171	2018	B1	B4



STRUCTURAL DETAIL "A"

STRUCTURAL DETAIL "B"



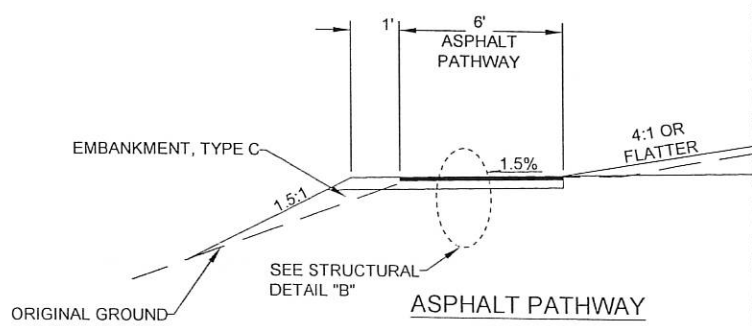
TYPICAL SECTION FOR ROADWAY ON EXISTING ALIGNMENT

TYPICAL SECTION NOTES

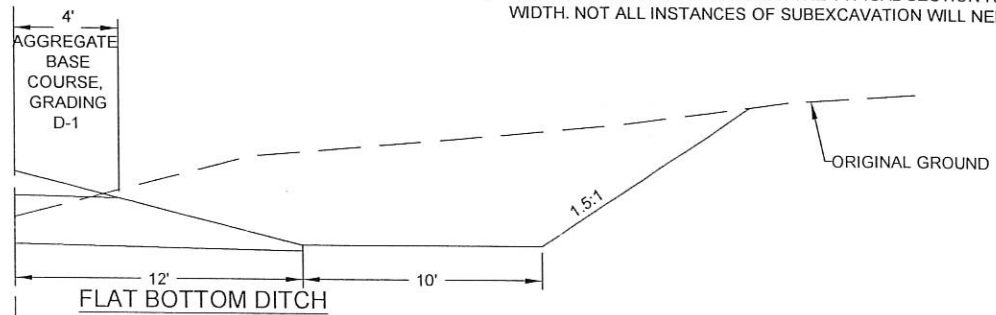
1. THE EXISTING PAVEMENT VARIES IN THICKNESS. SEE THE TEST HOLE DATA IN THE GEOTECHNICAL REPORT FOR KNOWN LOCATIONS OF PAVEMENT THICKNESS. (TO BE PROVIDED WITH FINAL SUBMITTAL)
2. SEEDING, SCHEDULE A PER SECTION 618 SHALL BE APPLIED TO ALL CONSTRUCTION SLOPES, EXCEPT; BEDROCK SLOPES, GRAVEL SHOULDER, AND RIPRAP SLOPES, BELOW OHW.
3. FOR SUPERELEVATION TRANSITION REFER TO THE DETAILS ON SHEET J7.
4. CLEARING LIMITS QUANTITY IS BASED ON AN ASSUMED LINE LOCATED 10' BEYOND THE SLOPE CATCH POINT OR TO ROW, WHICHEVER IS CLOSEST. EXCLUDING AREAS OF RIVER BED, WETLANDS AND STREAM CHANNELS.
5. FULL WIDTH SUBEXCAVATION ON THE TYPICAL SECTION REPRESENTS THE MAXIMUM WIDTH. NOT ALL INSTANCES OF SUBEXCAVATION WILL NEED THE FULL WIDTH.

GUARDRAIL AND BARRIER
 SEE SHEET B2 FOR GUARDRAIL, CAST IN PLACE WALL, CONCRETE BARRIER AND REINFORCED SOIL SLOPE SECTIONS

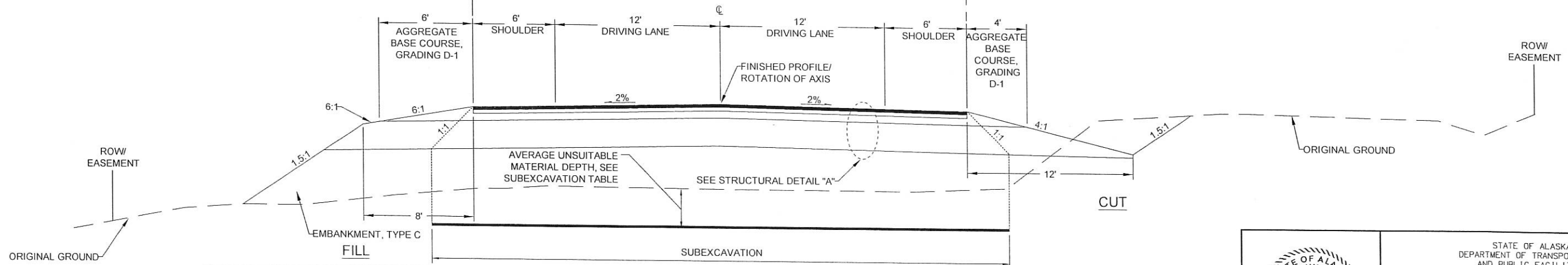
SLOPE EXCEPTION TABLE			
FROM STA	TO STA	OFFSET	SECTION
706+00	708+00	RT	STEEP CUT SLOPE
877+00	879+50	RT	FLAT BOTTOM DITCH
1075+50	1082+50	LT	CAST IN PLACE WALL
1082+50	1103+00	LT	REINFORCED SOIL SLOPE
957+42	979+85	RT	CONCRETE BARRIER
957+40	979+86	LT	CONCRETE BARRIER
1177+50	1194+09	LT	CONCRETE BARRIER
1177+50	1193.88	RT	CONCRETE BARRIER



ASPHALT PATHWAY



FLAT BOTTOM DITCH



TYPICAL SECTION FOR ROADWAY ON NEW ALIGNMENT

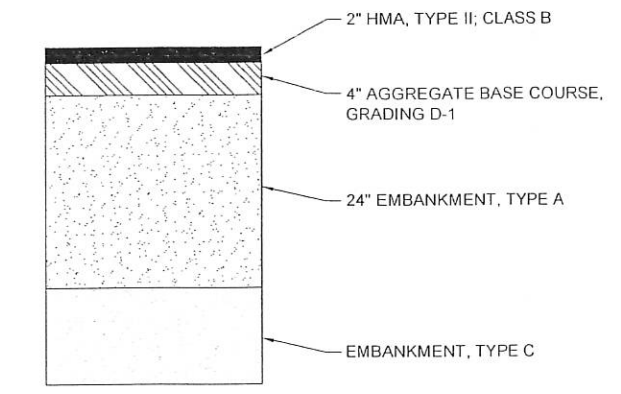
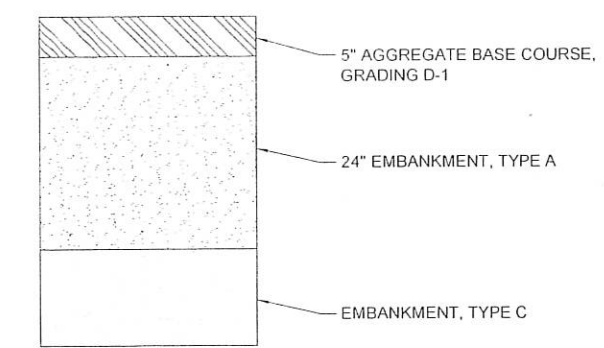
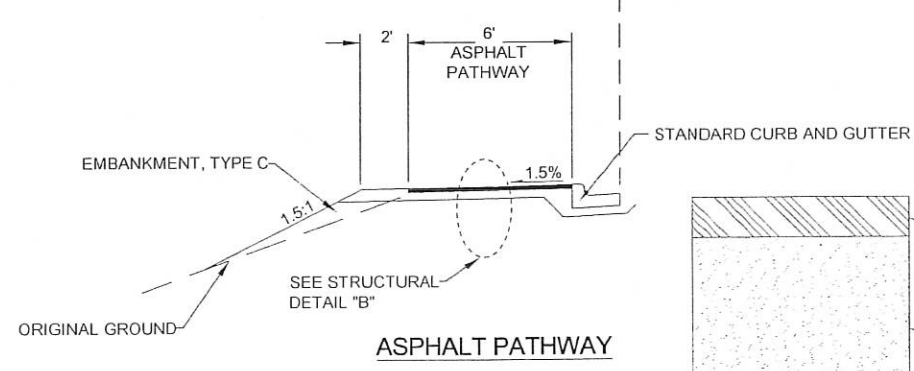
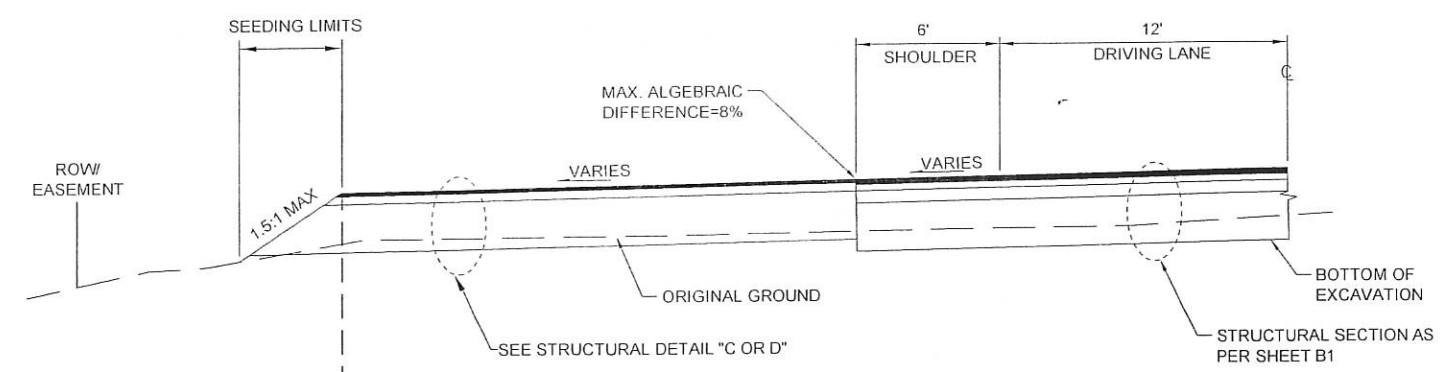
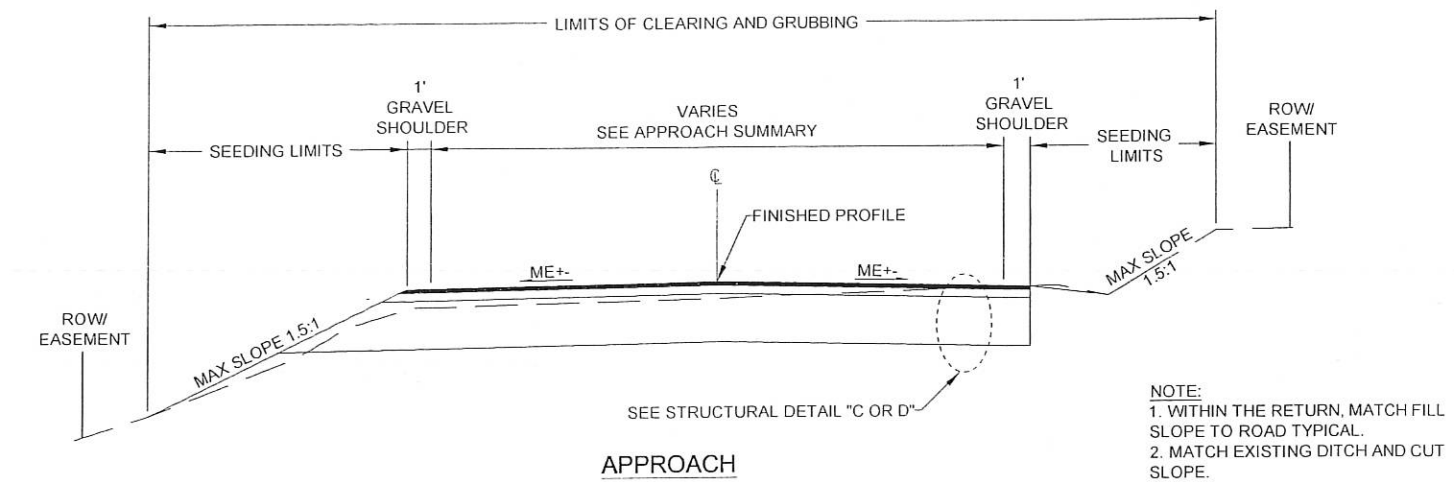
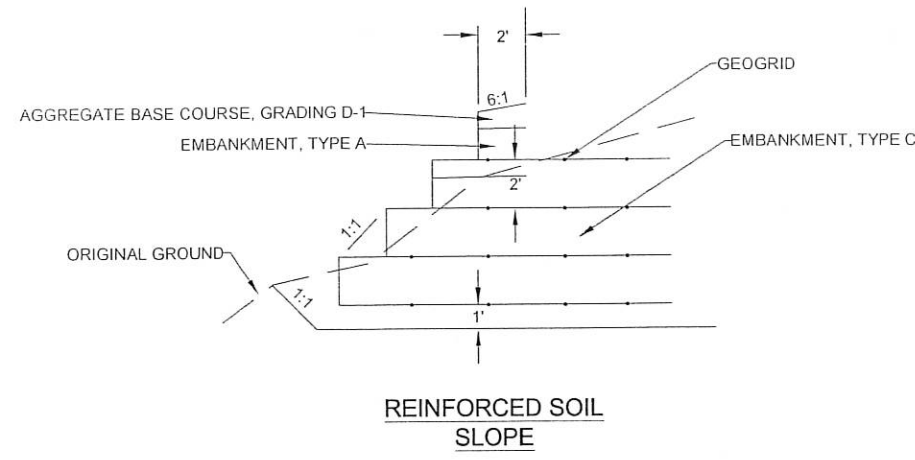
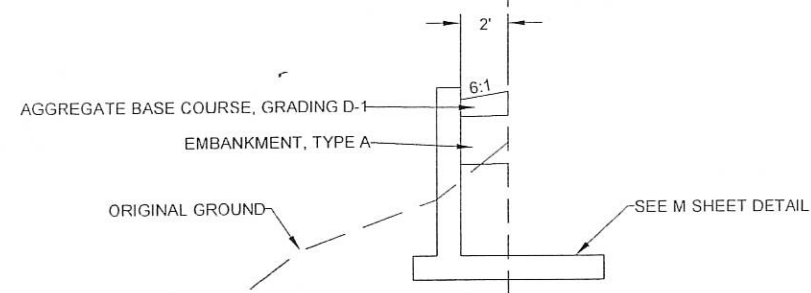
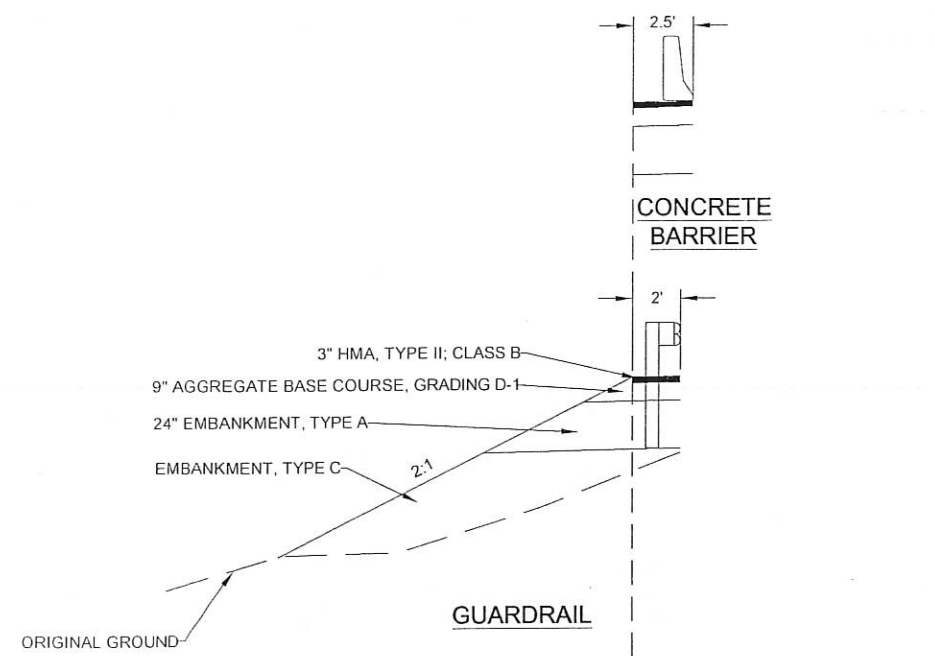
SUBEXCAVATION OF UNSUITABLE MATERIAL			
FROM STA	TO STA	AVERAGE DEPTH (FT)	REMARKS
TO BE PROVIDED AT PS&E			



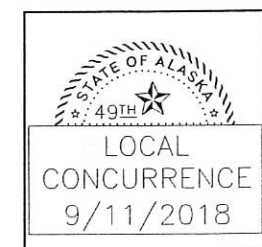
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
HAINES HIGHWAY RECONSTRUCTION
 MILEPOST 12.2 TO 23
TYPICAL SECTIONS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHwy00171	2018	B2	B4

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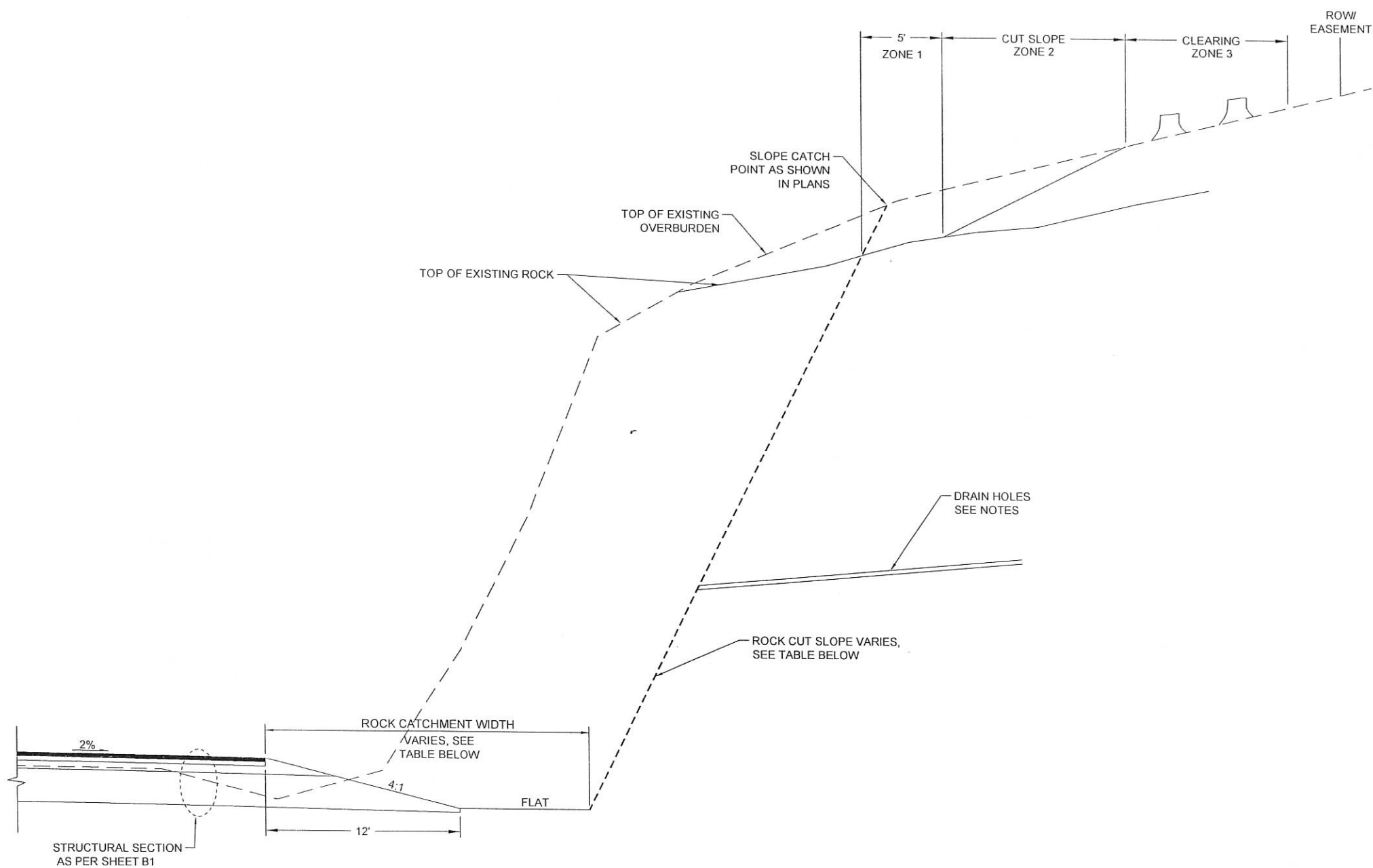
NOTE:
 1. SEE G SHEETS TO DETERMINE IF TURNOUT OR APPROACH IS PAVED OR GRAVEL.



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
HAINES HIGHWAY RECONSTRUCTION
 MILEPOST 12.2 TO 23
TYPICAL SECTIONS

FILE: C:\civil\30-Projects\2016\24\61850-02\Civil\1\SA-CT-DT-B-61850.dwg
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 LAYOUT: B3
 DESIGNED: SRT
 CHECKED: NRH
 DRAFTED: BAH

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHwy00171	2018	B3	B4



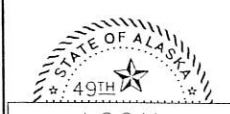
ROCK CUT SETBACK PARAMETERS	
ZONE	DESCRIPTION
1	REMOVE ALL OVERBURDEN SOILS 5 HORIZONTAL FEET FROM CREST OF ROCK CUT TO PREVENT VEGETATION GROWTH.
2	IF A 2H:1V SLOPE IS NOT CONSTRUCTIBLE WITHIN THE PERMITTED LIMITS CUT OVERBURDEN AT 1.5H:1V. IF 1.5H:1V IS NOT CONSTRUCTIBLE WITHIN THE PERMITTED LIMITS CUT OVERBURDEN AT A 1H:1V. STABILIZE SOIL WITH ROCK MAT PER SECTION 619.
3	CLEAR ALL TREES 10 HORIZONTAL FEET FROM THE SLOPE CATCH POINT OF ZONE 2 OR TO THE ROW OR EASEMENT LINE, WHICHEVER IS CLOSER. LEAVE STUMPS AND ORGANIC MAT IN PLACE.

NOTES:

- UNCLASSIFIED EXCAVATION MEASURED FOR PAYMENT WILL BE LIMITED TO MATERIAL WITHIN THE PLANNED DESIGN CUT. EXCAVATED MATERIAL OUTSIDE THE PLANNED DESIGN CUT WILL BE CONSIDERED A MATERIAL SOURCE.
- THE EXTENT OF THE NEAT LINE PAY LIMIT FOR UNCLASSIFIED EXCAVATION THROUGH ROCK SHALL BE ALONG A STRAIGHT LINE BEGINNING AT THE OUTER LIMIT OF THE ROCK CATCHMENT WIDTH AND PROJECTED TO THE CREST OF THE EXISTING ROCK AT THE DESIGN CUT SLOPE WHICH INCLUDES ALLOWANCE FOR OFFSET BENCHES AS DESCRIBED IN NOTE 3.
- MAXIMUM ALLOWABLE CONTROLLED BLAST FACE HEIGHT IS 30 FEET PER LIFT. LIMIT WIDTH OF OFFSET BENCHES TO 2 FEET FOR ROCK CUT SLOPES.
- DRILL 3 INCH MIN DIAMETER HOLES AT 5 TO 10 DEGREES ABOVE HORIZONTAL TO A DEPTH OF 20 FEET. DRILL 5 TO 10 FEET ABOVE THE TOE OF DITCH AND ALL INTERMEDIATE BENCHES. SPACE 20 FEET BETWEEN HOLES AND ADJUST LOCATIONS TO INTERCEPT VISIBLE WATER SEEP AND MOIST SPOTS. THERE SHALL BE ONE ROW OF DRAIN HOLES PER 30 FOOT LIFT.

ROCK CUT SUMMARY						
ROCK CUT	OFFSET	FROM STA	TO STA	CATCHMENT WIDTH	DESIGN CUT SLOPE	REMARKS
1	RT	674+00	680+50	20'	0.25:1	
2	RT	684+00	685+50	12'	0.25:1	NO FLAT BOTTOM
3	RT	688+00	694+50	35'	0.5:1	
4A	RT	742+00	752+50	24'	0.5:1	
4B	RT	752+50	757+50	12'	0.25:1	NO FLAT BOTTOM
4C	RT	757+50	759+000	24'	0.25:1	
5	RT	779+00	782+50	12'	0.25:1	NO FLAT BOTTOM
6	RT	785+00	788+50	12'	0.25:1	NO FLAT BOTTOM
7	RT	790+50	792+50	30'	0.25:1	
8	RT	812+00	817+00	35'	0.25:1	
9	RT	821+50	832+50	30'	0.25:1	

NOTES:
 1) ALLOWABLE OFFSET BENCHES (SEE NOTE 3 THIS SHEET) ARE REFLECTED IN PLANS (CUT LIMITS) AND IN SUPPLEMENTAL CROSS SECTIONS.



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES



HAINES HIGHWAY RECONSTRUCTION
 MILEPOST 12.2 TO 23

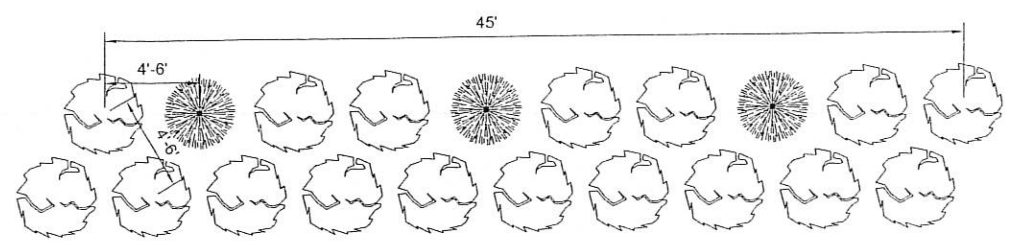
LOCAL
 CONCURRENCE
 9/11/2018

TYPICAL SECTIONS

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHwy00171	2018	B4	B4

SYMBOL	SCIENTIFIC NAME	COMMON NAME	SPACING	% COVERAGE
	ROSA NUTKANA	NOOTKA ROSE	4' TO 6', O.C.	15%
	ALNUS RUBRA	RED ALDER	4' TO 6', O.C.	85%



PLANTING TYPICAL LAYOUT

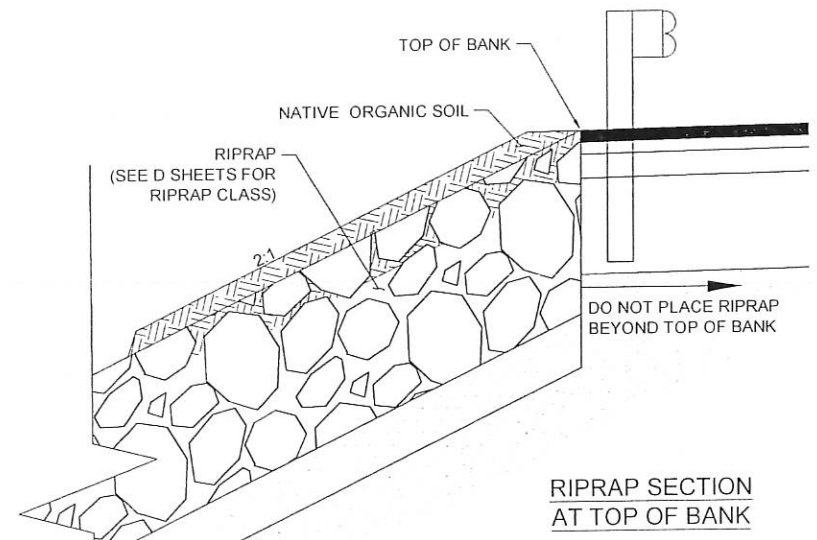
PLANTING NOTES

1. PLANTINGS SHALL BE PLACED IN 6" TO 12" HOLES WITH A SPACING OF 4' TO 6'.
2. PLANTINGS SHALL BE EVENLY DISTRIBUTED. PLACE ROSES IN TOP ROW.
3. PLACE PLANTS VERTICALLY.
4. PLANTING TYPICAL LAYOUT REPEATS EVERY 45'.

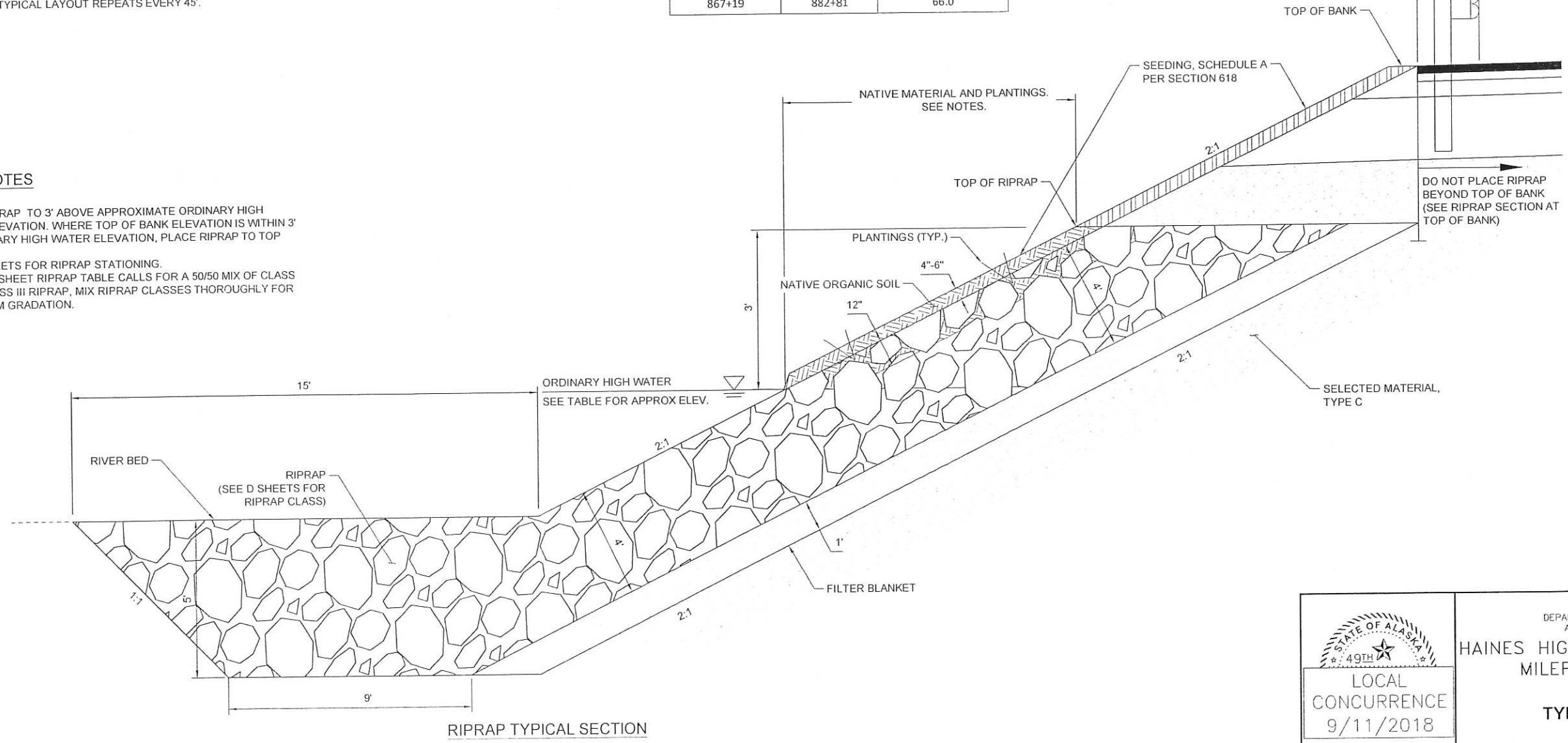
RIPRAP NOTES

1. PLACE RIPRAP TO 3' ABOVE APPROXIMATE ORDINARY HIGH WATER ELEVATION. WHERE TOP OF BANK ELEVATION IS WITHIN 3' OF ORDINARY HIGH WATER ELEVATION, PLACE RIPRAP TO TOP OF BANK.
2. SEE D SHEETS FOR RIPRAP STATIONING.
3. WHERE D SHEET RIPRAP TABLE CALLS FOR A 50/50 MIX OF CLASS II AND CLASS III RIPRAP, MIX RIPRAP CLASSES THOROUGHLY FOR A UNIFORM GRADATION.

FROM STATION	TO STATION	APPROX OHW ELEV.
617+19	632+81	50.0
632+81	648+44	51.0
648+44	664+06	52.0
664+06	679+69	53.0
679+69	695+31	54.0
695+31	710+94	55.0
710+94	726+56	56.0
726+56	742+19	57.0
742+19	757+81	58.0
757+81	773+44	59.0
773+44	789+06	60.0
789+06	804+69	61.0
804+69	820+31	62.0
820+31	835+94	63.0
835+94	851+56	64.0
851+56	867+19	65.0
867+19	882+81	66.0



RIPRAP SECTION AT TOP OF BANK



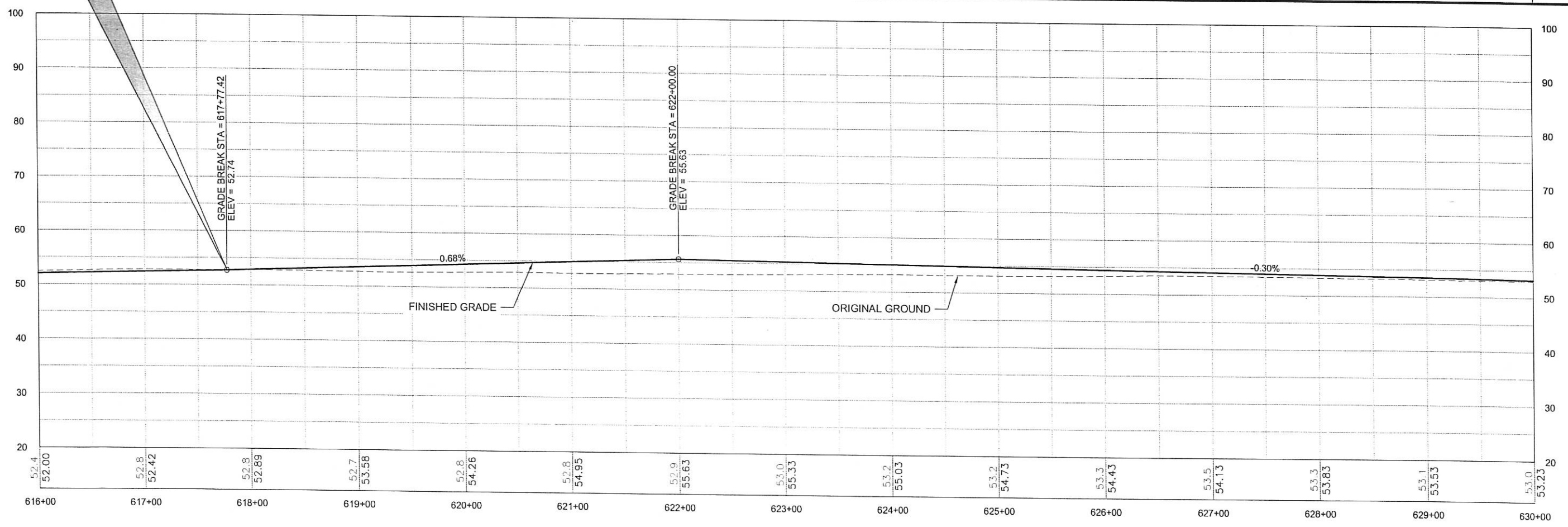
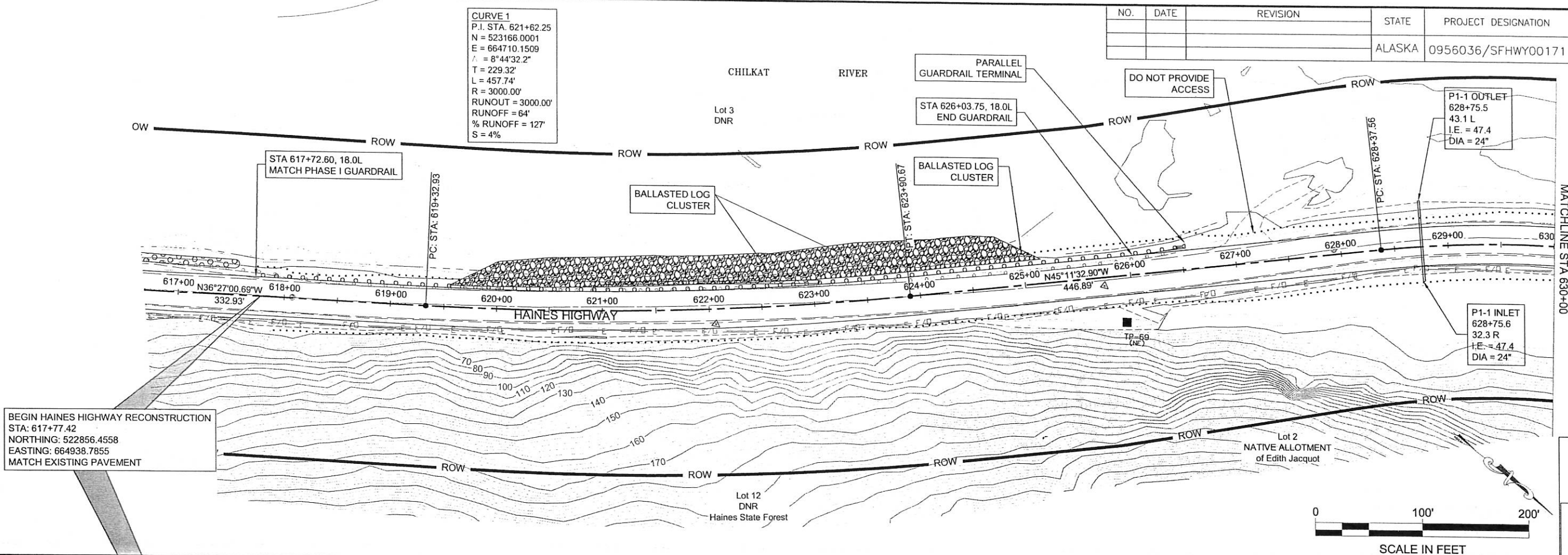
RIPRAP TYPICAL SECTION


 LOCAL CONCURRENCE
 9/11/2018

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
HAINES HIGHWAY RECONSTRUCTION
 MILEPOST 12.2 TO 23
TYPICAL SECTIONS

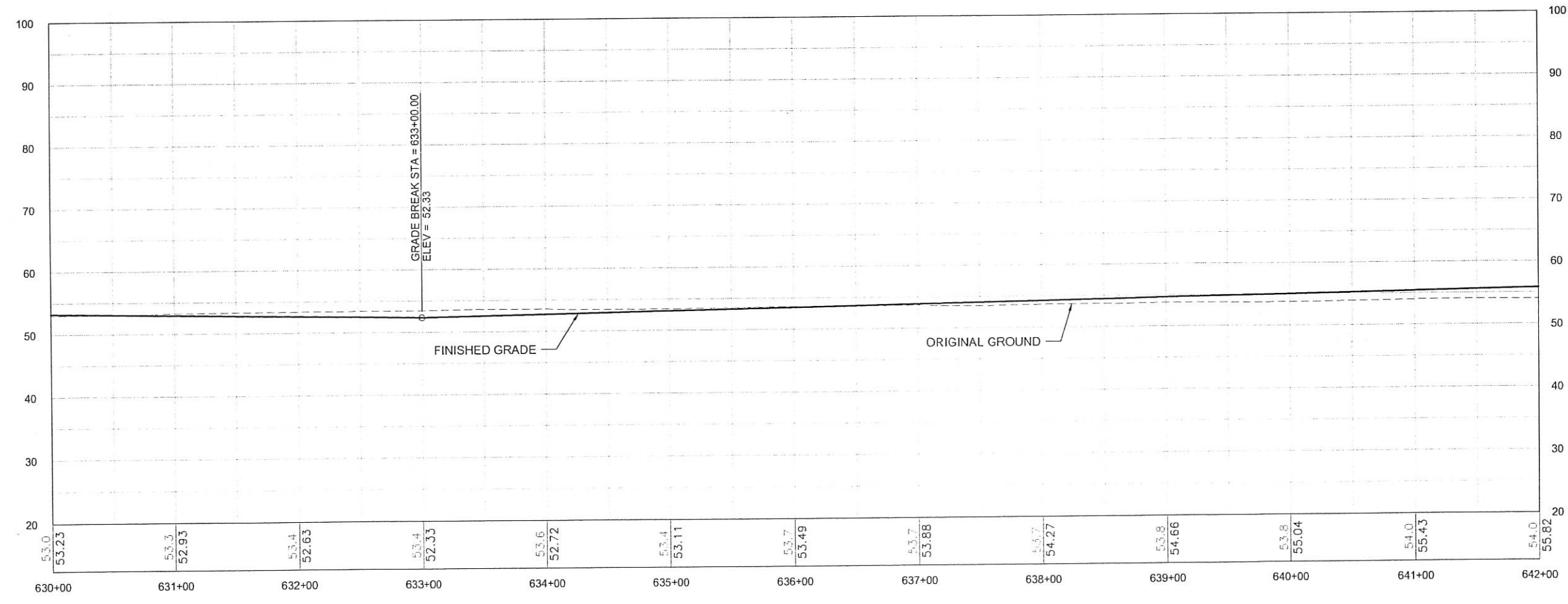
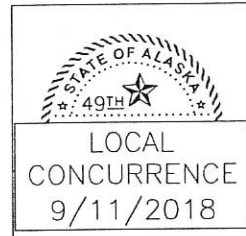
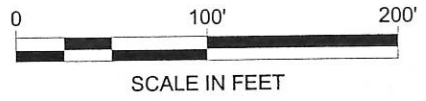
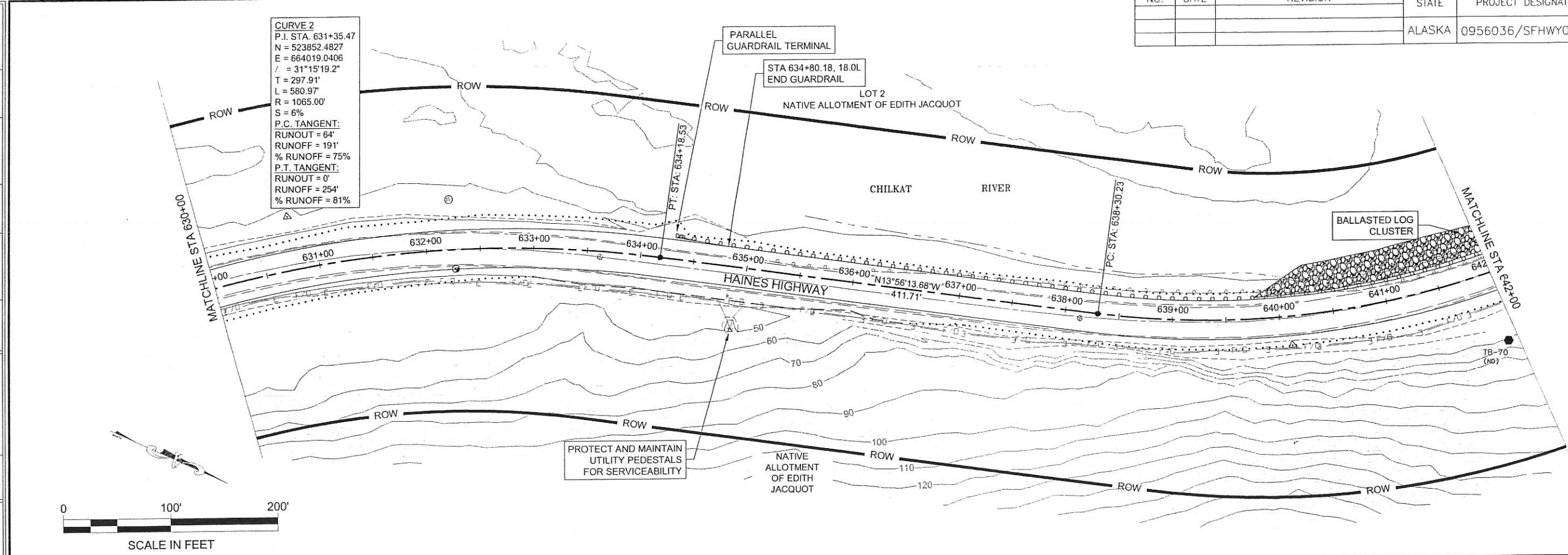
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHwy00171	2018	F1	F50



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHwy00171	2018	F2	F50

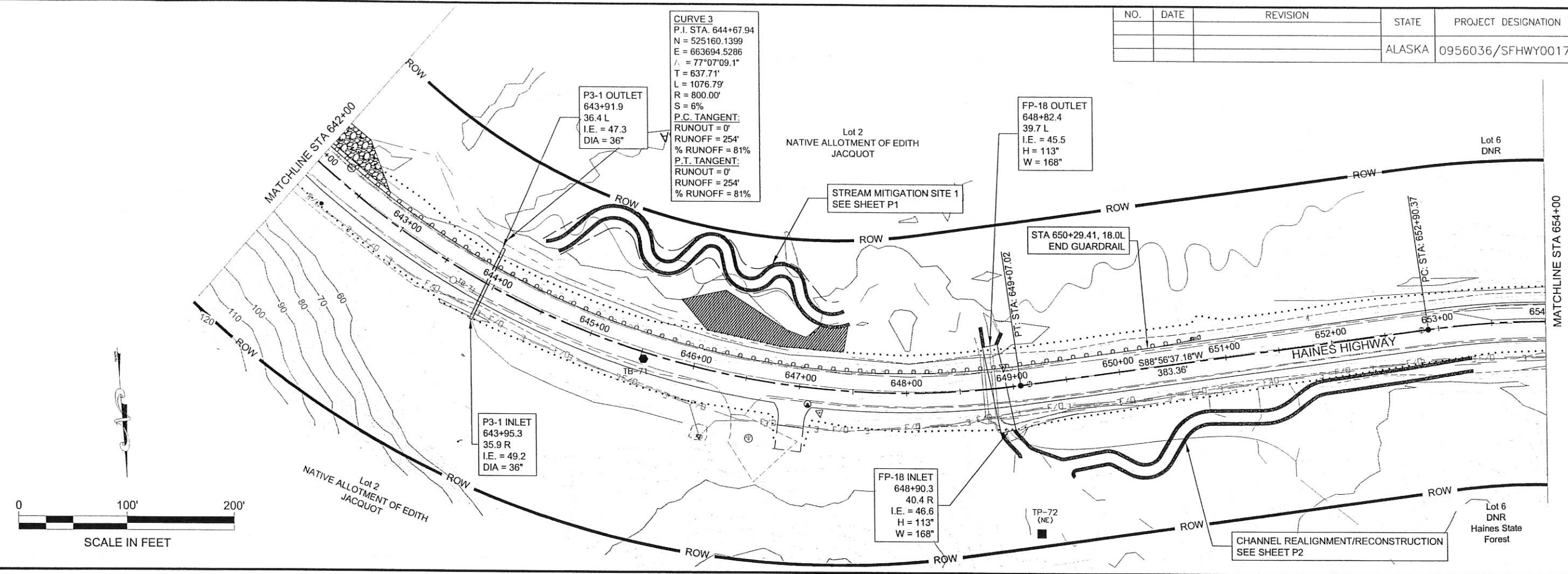
CURVE 2
 P.I. STA. 631+35.47
 N = 523852.4827
 E = 664019.0406
 I = 31°15'19.2"
 T = 297.91'
 L = 580.97'
 R = 1065.00'
 S = 6%
 P.C. TANGENT:
 RUNOUT = 64'
 RUNOFF = 191'
 % RUNOFF = 75%
 P.T. TANGENT:
 RUNOUT = 0'
 RUNOFF = 254'
 % RUNOFF = 81%



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 TOTAL SHEETS: F50

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHwy00171	2018	F3	F50



CURVE 3
 P.I. STA. 644+67.94
 N = 525160.1399
 E = 663694.5286
 Δ = 77°07'09.1"
 T = 637.71'
 L = 1076.79'
 R = 800.00'
 S = 6%
 P.C. TANGENT:
 RUNOUT = 0'
 % RUNOFF = 81%
 P.T. TANGENT:
 RUNOUT = 0'
 % RUNOFF = 81%

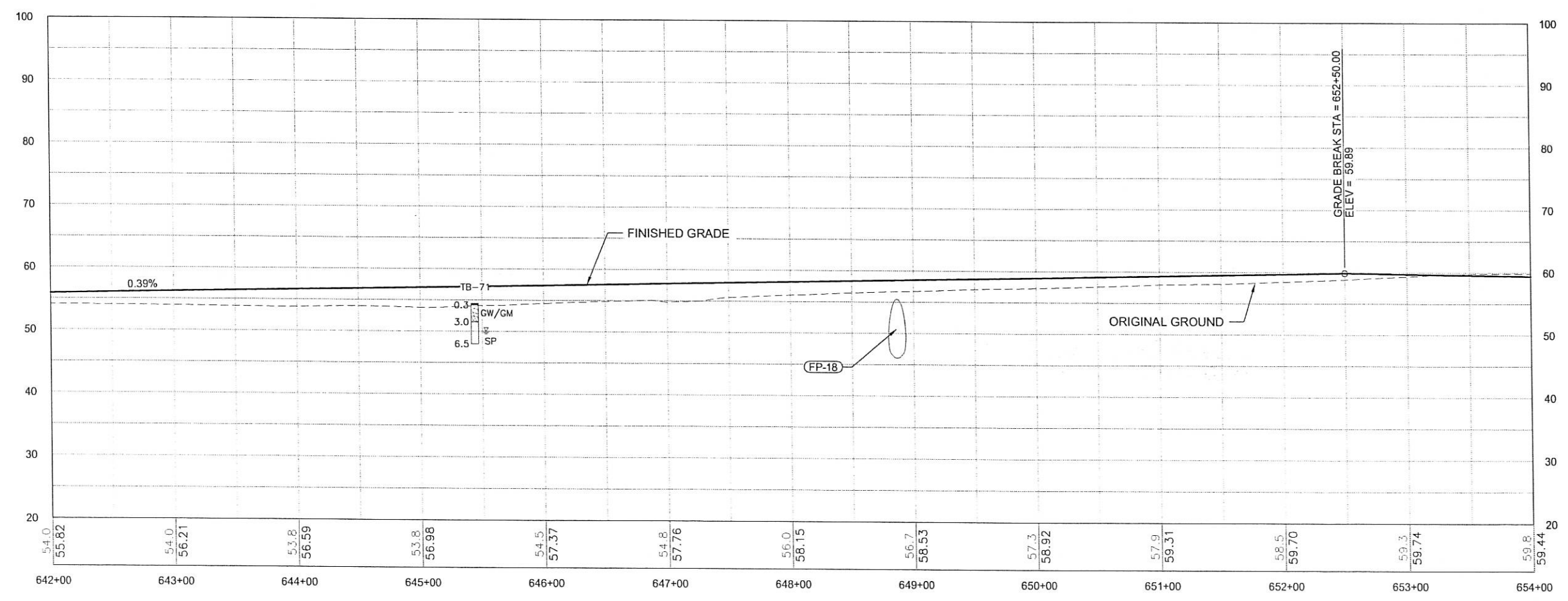
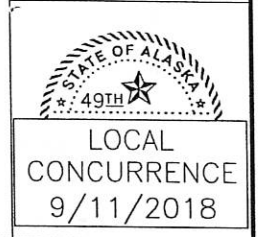
P3-1 INLET
 643+95.3
 35.9 R
 I.E. = 49.2
 DIA = 36"

P3-1 OUTLET
 643+91.9
 36.4 L
 I.E. = 47.3
 DIA = 36"

FP-18 INLET
 648+90.3
 40.4 R
 I.E. = 46.6
 H = 113"
 W = 168"

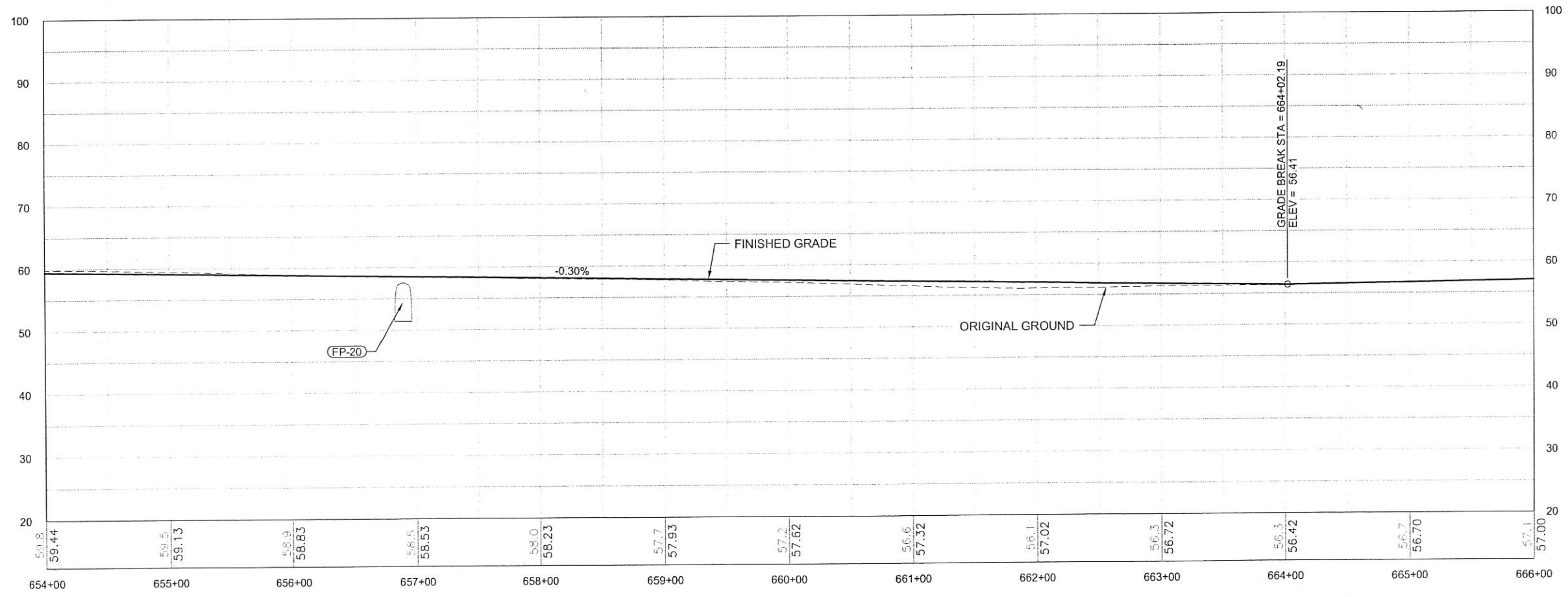
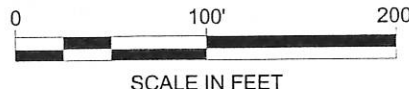
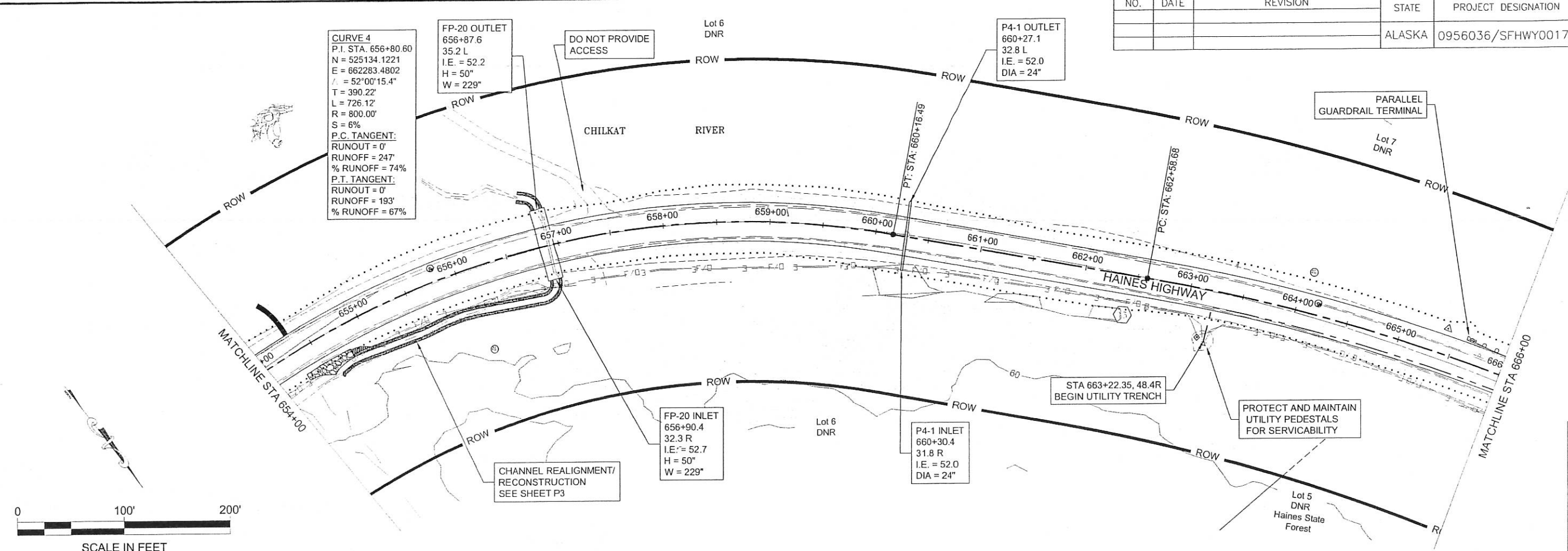
FP-18 OUTLET
 648+82.4
 39.7 L
 I.E. = 45.5
 H = 113"
 W = 168"

CHANNEL REALIGNMENT/RECONSTRUCTION
 SEE SHEET P2



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHwy00171	2018	F4	F50

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 DESIGNED SRT
 CHECKED NRH
 DRAFTED CJS
 TOTAL SHEETS F50

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHXY00171	2018	F5	F50

CURVE 5
 P.I. STA. 667+17.00
 N = 525981.1574
 E = 661596.2894
 $\Delta = 29^{\circ}21'08.2''$
 T = 458.33'
 L = 896.51'
 R = 1750.00'
 S = 5.2%
P.C. TANGENT:
 RUNOUT = 0'
 % RUNOFF = 167%
P.T. TANGENT:
 RUNOUT = 64'
 % RUNOFF = 166%

P5-1 OUTLET
 666+62.1
 31.1 L
 I.E. = 50.7
 DIA = 24"

BALLASTED LOG CLUSTER

RIVER PROTRUSION

Lot 4
DNR

CHILKAT BALD
EAGLE PRESERVE

CHILKAT RIVER

HAINES HIGHWAY

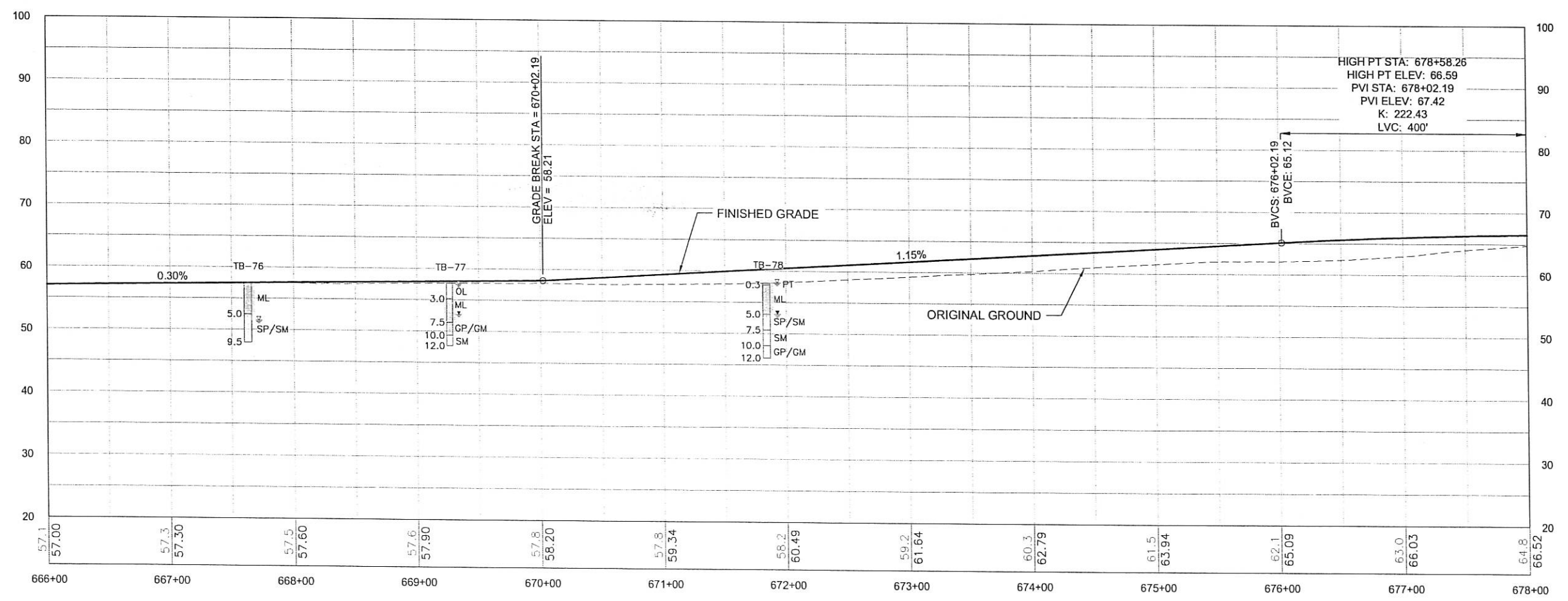
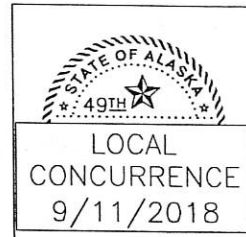
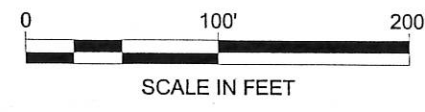
Lot 5
DNR
Haines State Forest

MATCHLINE STA 666+00

MATCHLINE STA 678+00

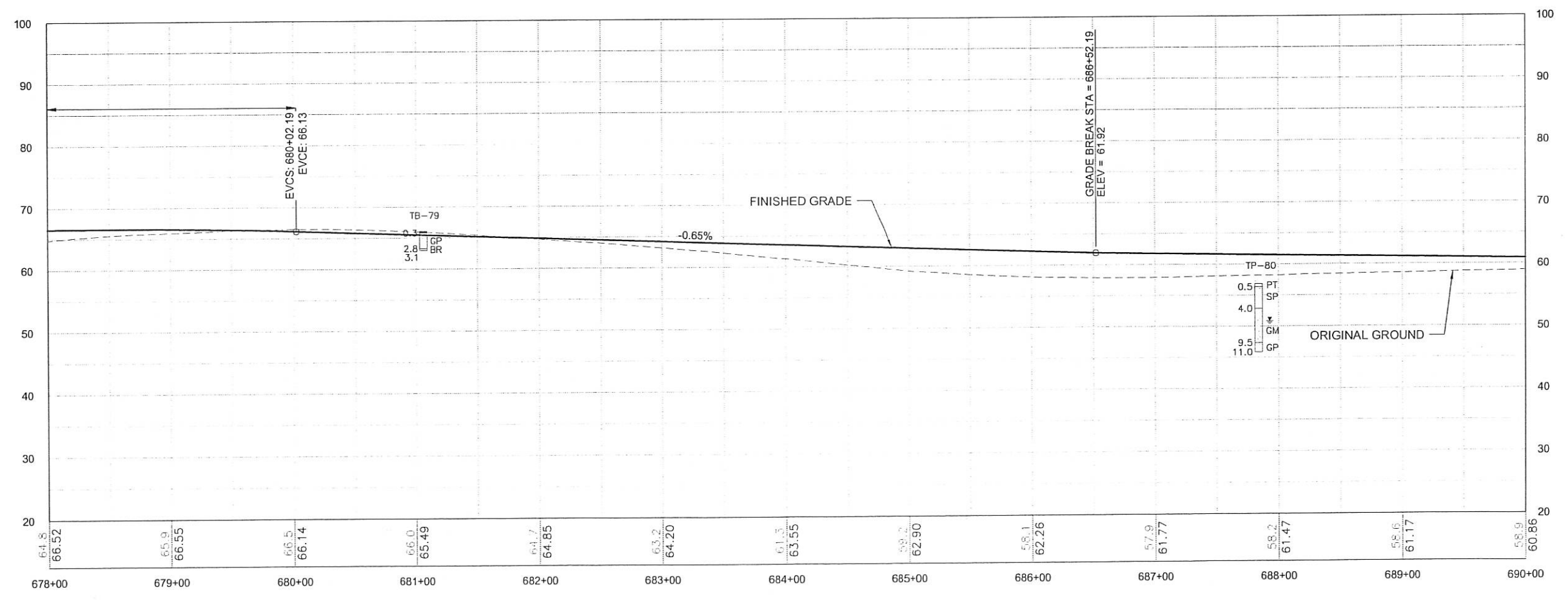
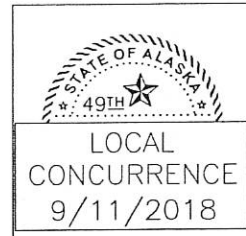
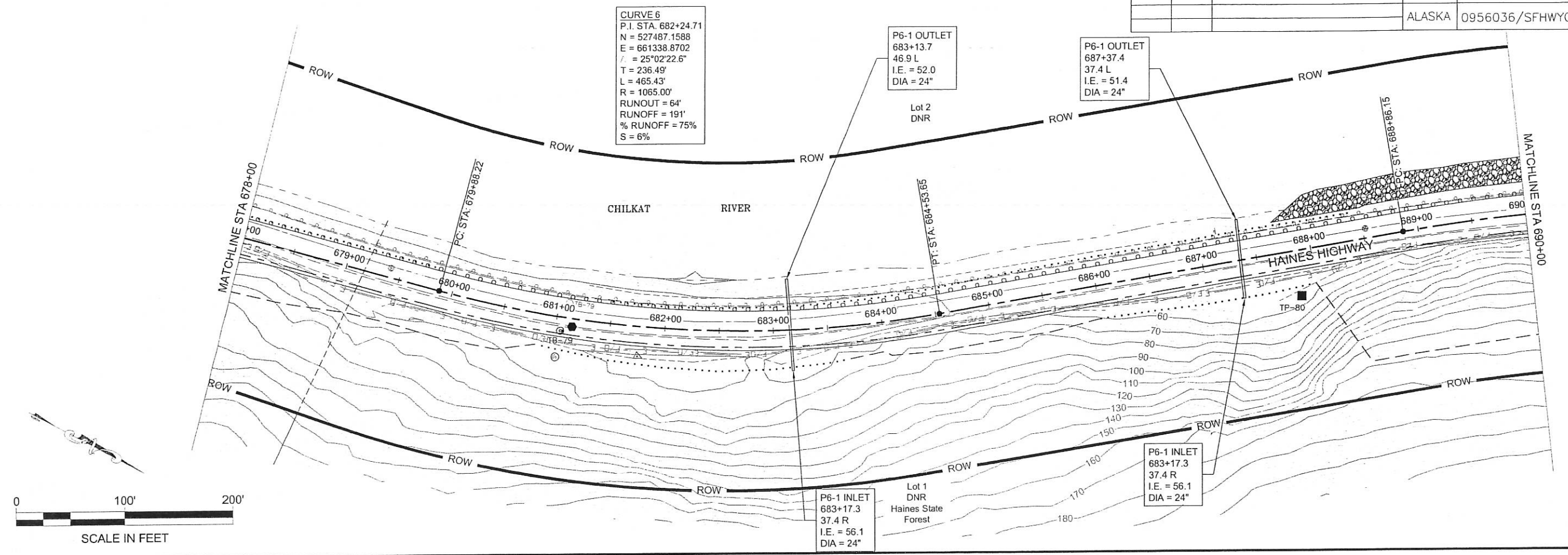
STA 666+10.35, 18.0L
BEGIN GUARDRAIL

P5-1 INLET
 666+62.3
 35.5 R
 I.E. = 50.8
 DIA = 24"

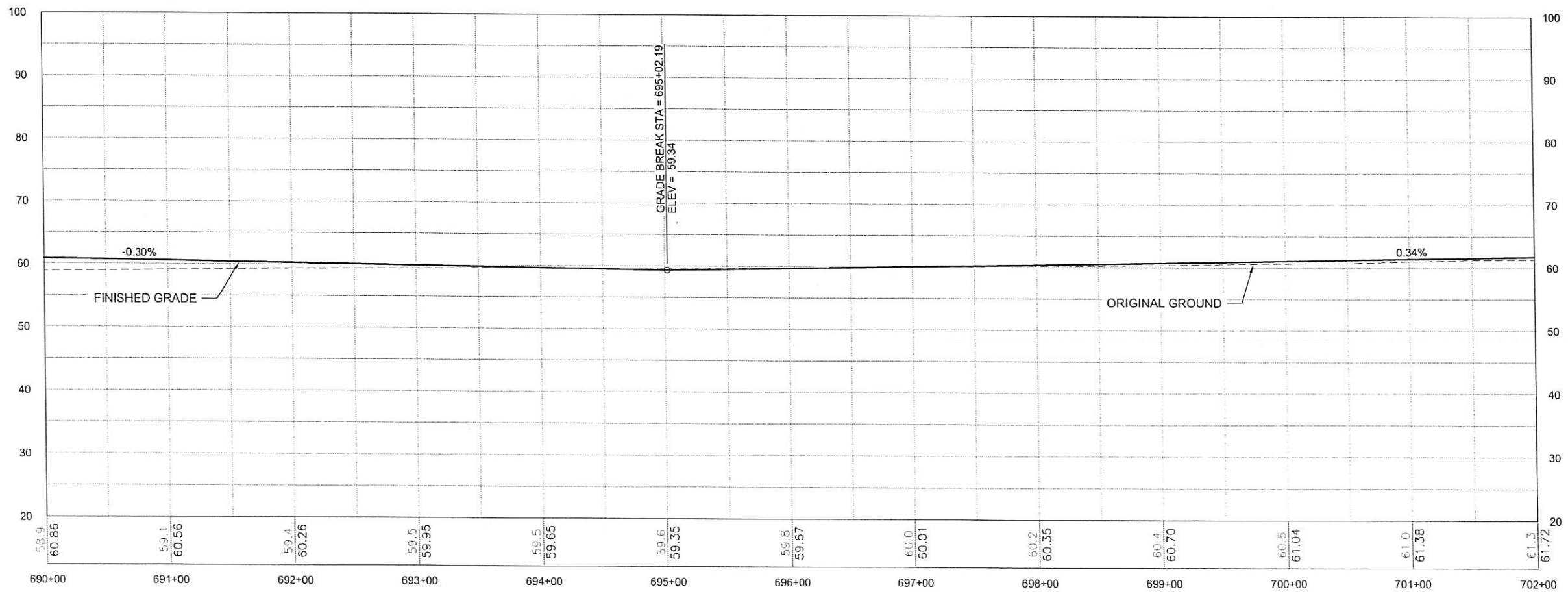
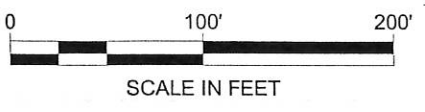
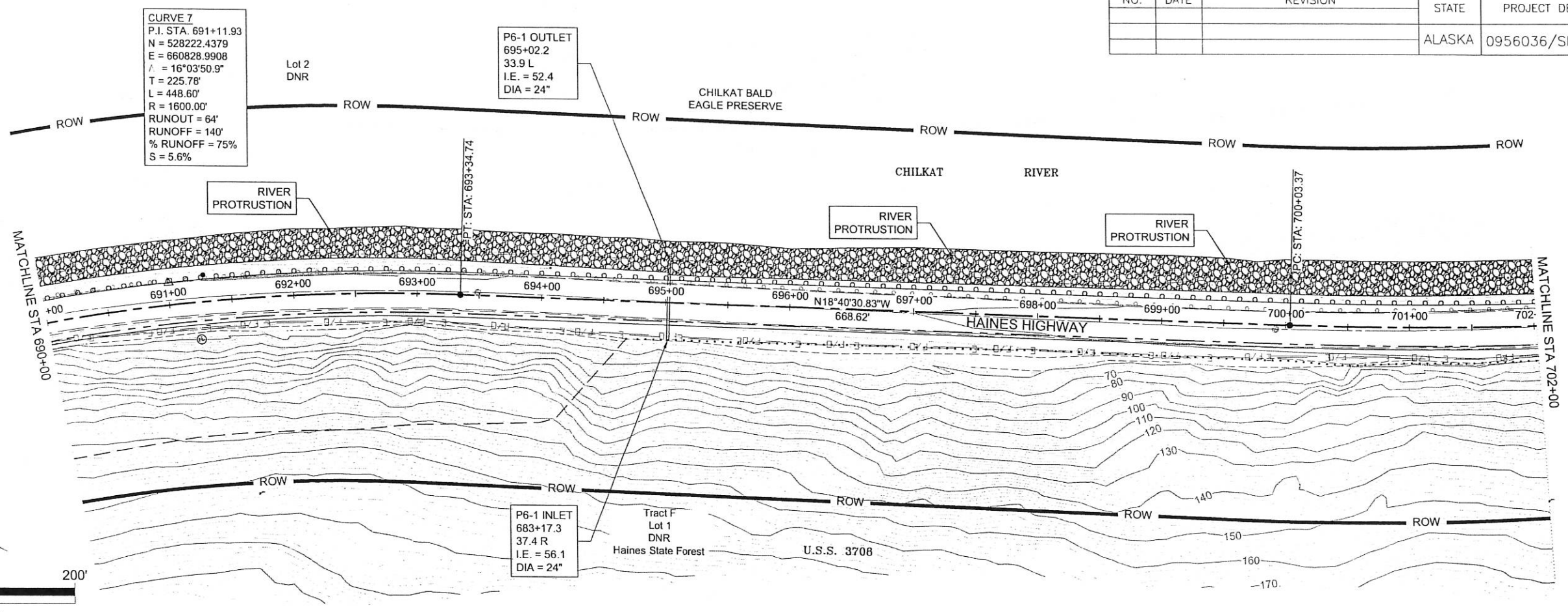


FILE: C:\CIVIL 3D Projects\2016\24\61850-02\Civil\SC-CT-RD-F-61850.dwg DATE: 9/7/2018 16:52 LAYOUT: F6 DESIGNED: SRT CHECKED: NRH DRAFTED: CJS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHWO0171	2018	F6	F50



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHWY00171	2018	F7	F50

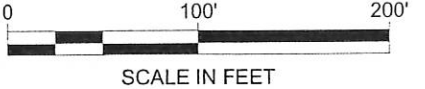
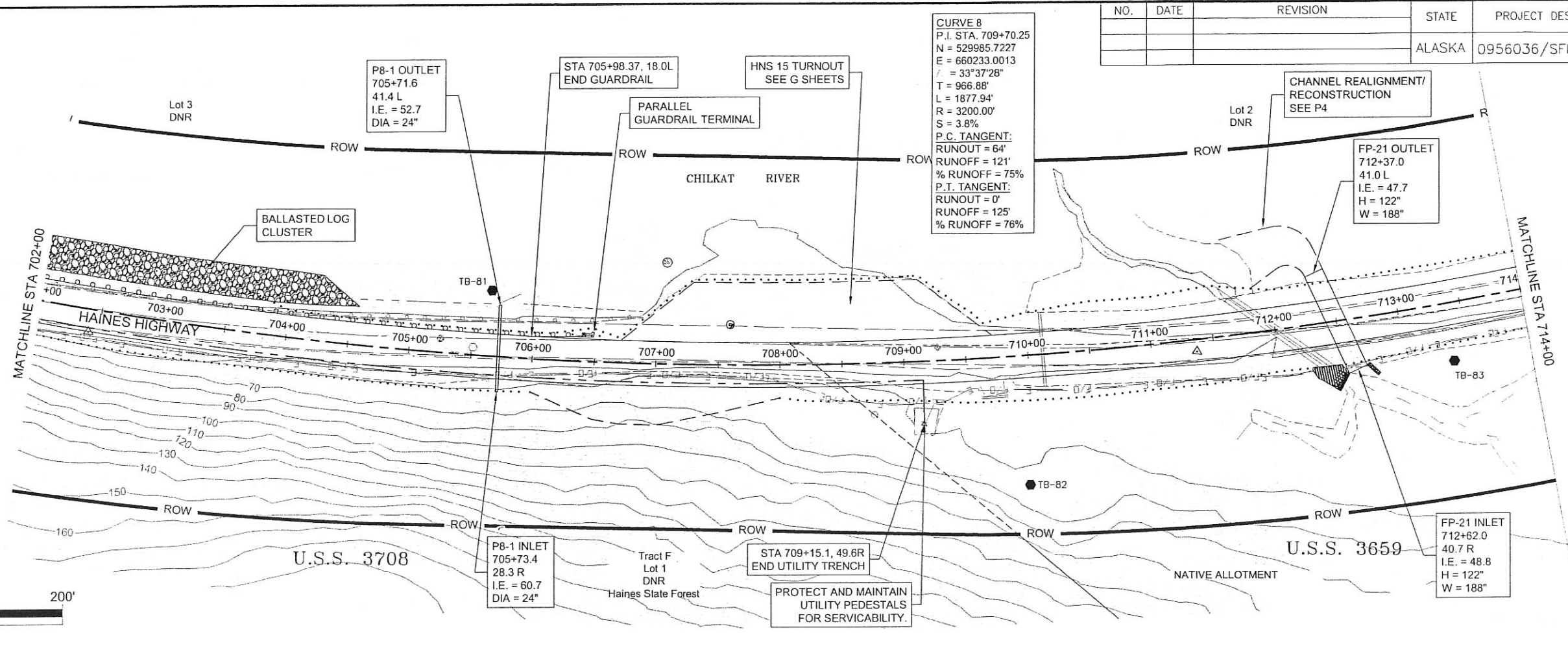


FILE: C:\CIVIL 3D Projects\2018\24\61850-02\Civil11\SC-CT-RD-F-61850.dwg
DATE: 9/7/2018 16:52 LAYOUT: F7
DESIGNED: SRT CHECKED: NRH DRAFTED: CJS
TOTAL SHEETS: F50

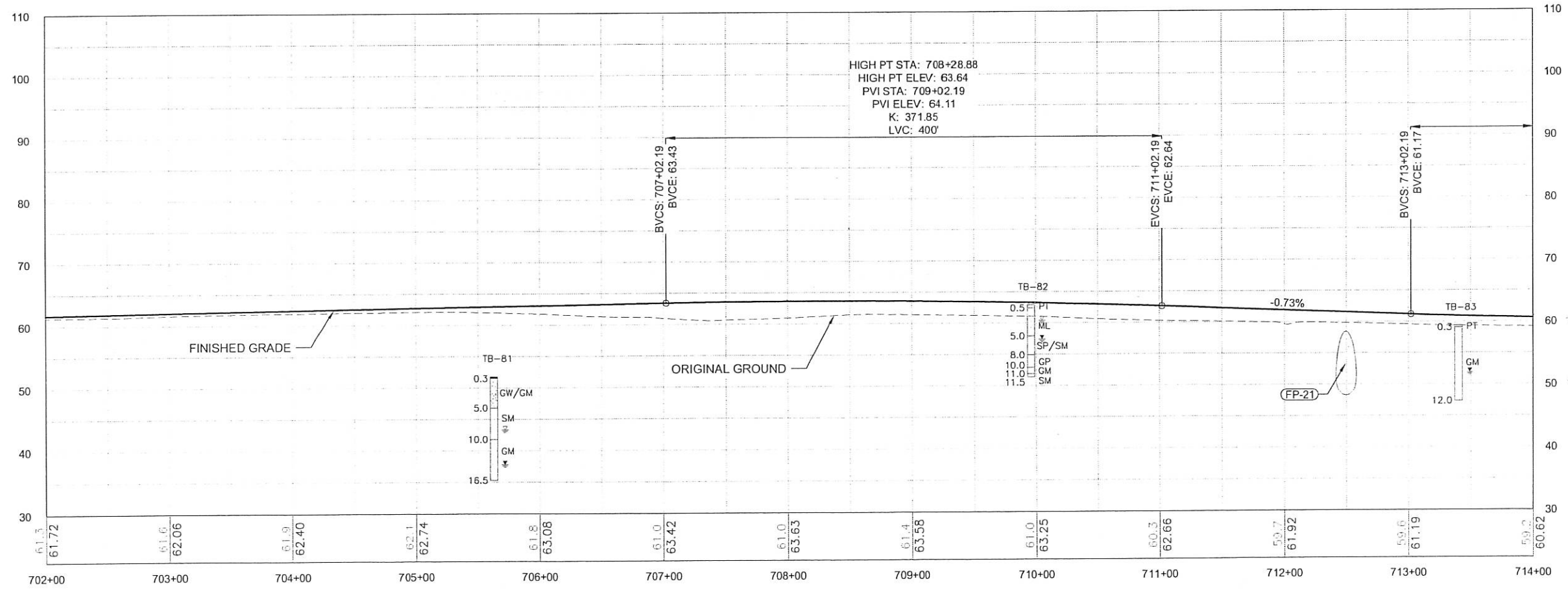
FILE: C:\Civ1\3D Projects\2018\24\1850-02\Civ1\1850-02-F-61850.dwg DATE: 9/7/2018 16:52 LAYOUT: F8 DESIGNED: SRT CHECKED: NPH DRAFTED: CJS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHwy00171	2018	F8	F50

CURVE 8
 P.I. STA. 709+70.25
 N = 529985.7227
 E = 660233.0013
 Δ = 33°37'28"
 T = 966.88'
 L = 1877.94'
 R = 3200.00'
 S = 3.8%
 P.C. TANGENT:
 RUNOUT = 64'
 RUNOFF = 121'
 % RUNOFF = 75%
 P.T. TANGENT:
 RUNOUT = 0'
 RUNOFF = 125'
 % RUNOFF = 76%



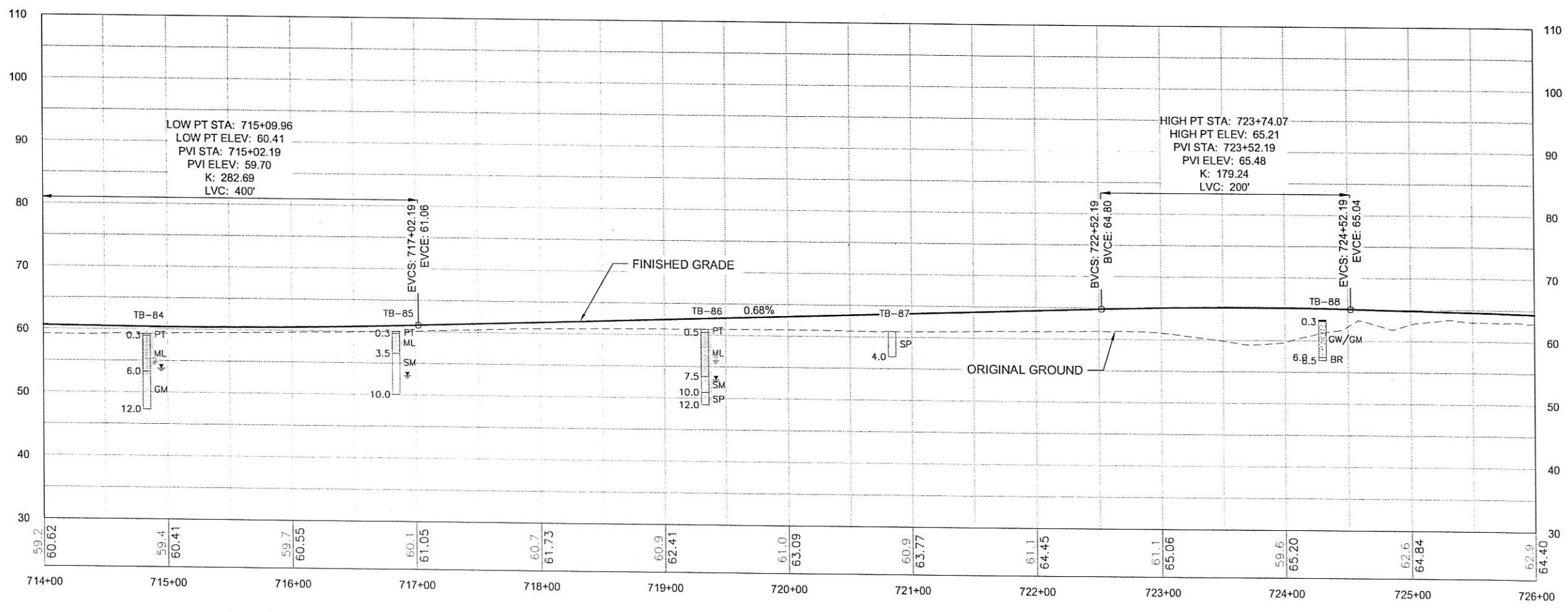
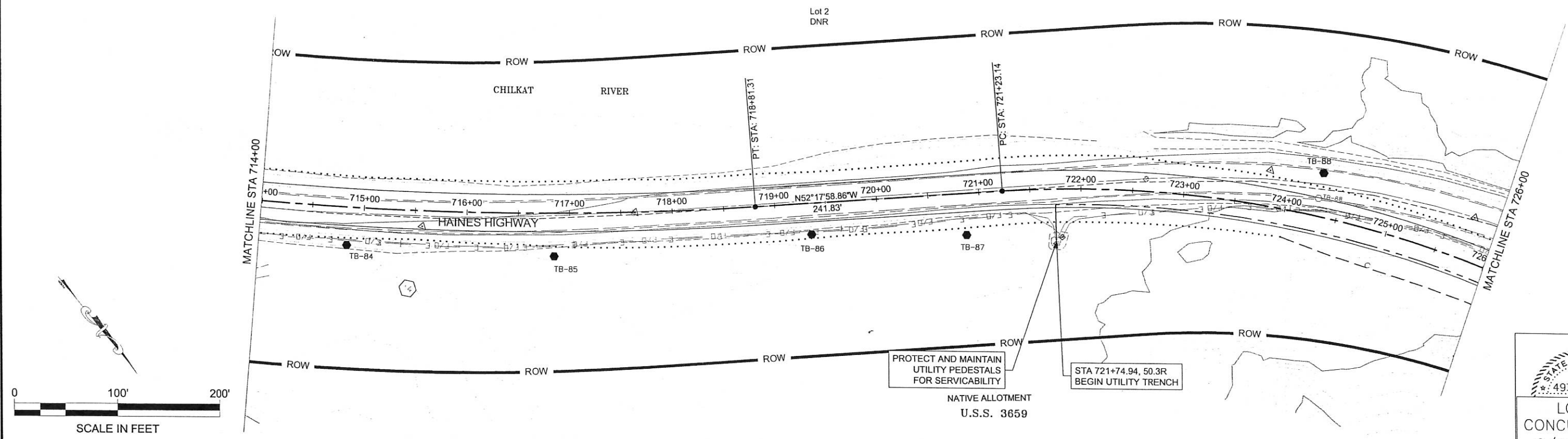
STATE OF ALASKA
 49TH
 LOCAL CONCURRENCE
 9/11/2018



FILE: C:\Civil\3D Projects\2016\24161850-02\Civil\SC-CT-RD-F-61850.dwg

DATE: 9/7/2018 16:52 LAYOUT: F9 DESIGNED: SRT CHECKED: NPH DRAFTED: CJS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHWHY00171	2018	F9	F50



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHWY00171	2018	F10	F50

CURVE 9
P.I. STA. 726+27.79
N = 531033.4990
E = 658877.3526
 $\theta = 50^\circ 42' 28.9''$
T = 504.65'
L = 942.55'
R = 1065.00'
S = 6%
P.C. TANGENT:
RUNOUT = 0'
RUNOFF = 195'
% RUNOFF = 76%
P.T. TANGENT:
RUNOUT = 0'
RUNOFF = 198'
% RUNOFF = 76%

P10-1 OUTLET
733+12.7
73.6 L
I.E. = 53.3
DIA = 36"

P10-1 INLET
732+67.3
29.9 R
I.E. = 57.6
DIA = 36"

PARALLEL
GUARDRAIL
TERMINAL

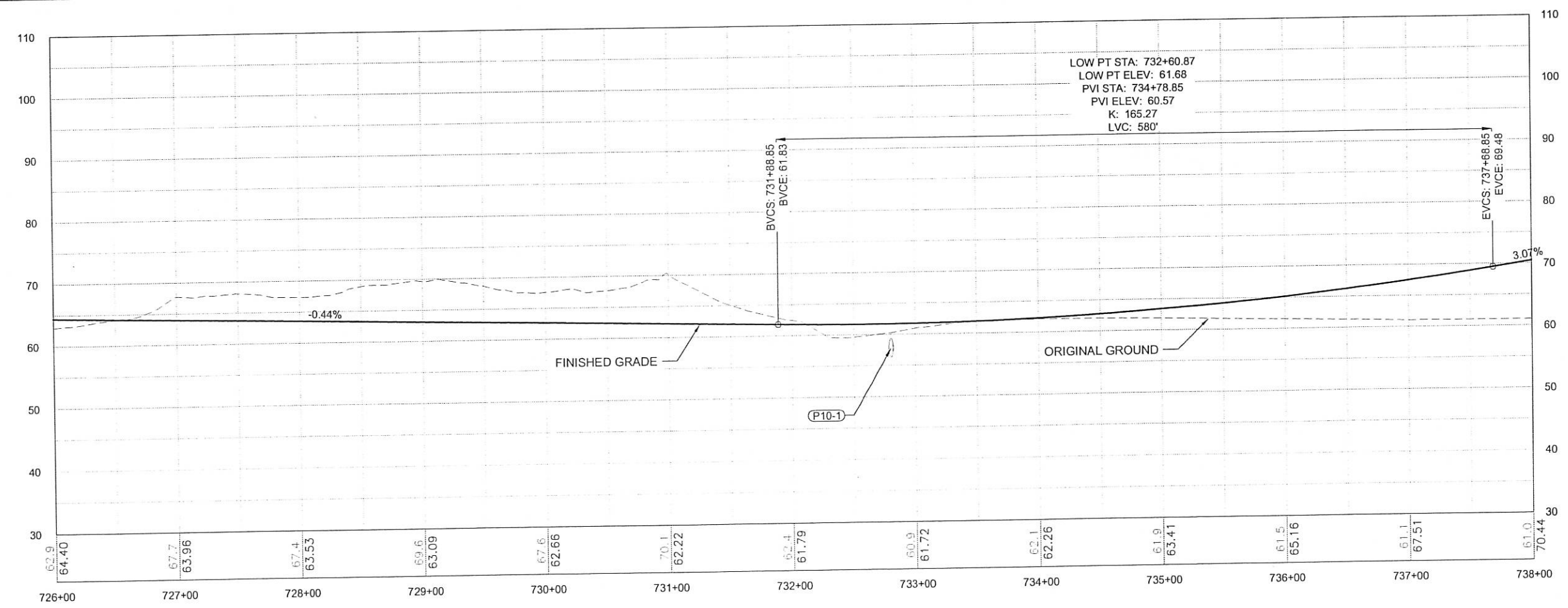
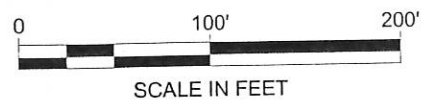
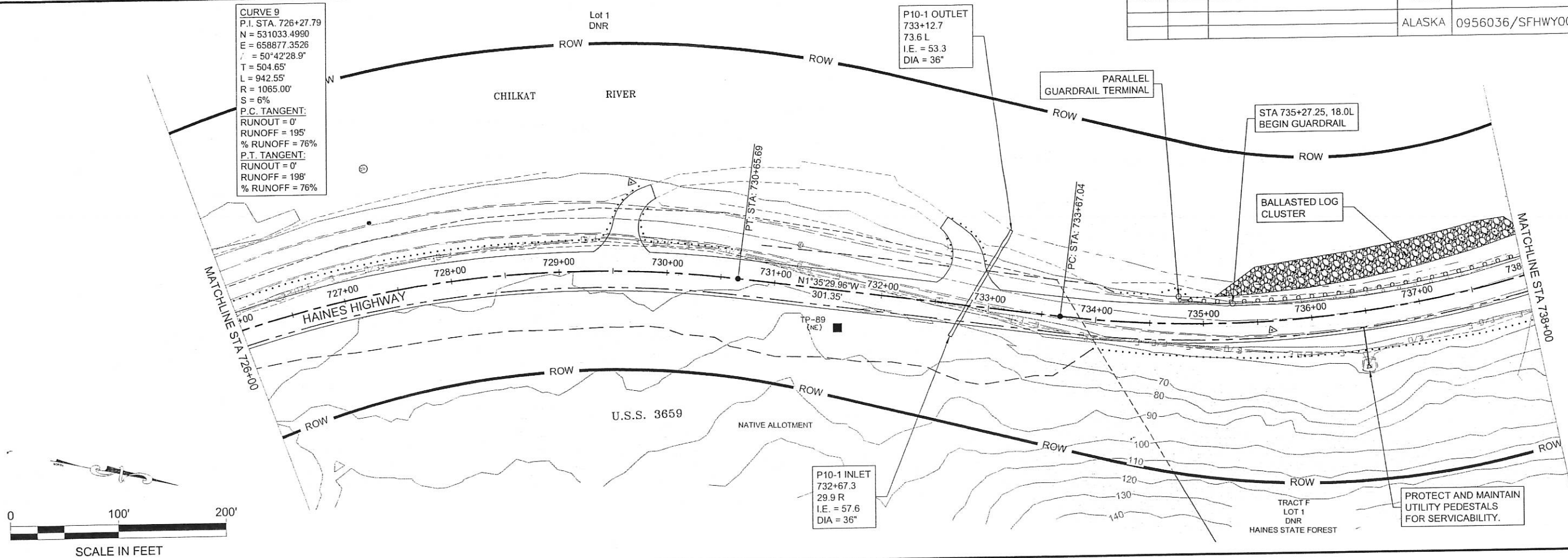
STA 735+27.25, 18.0L
BEGIN GUARDRAIL

BALLASTED LOG
CLUSTER

PROTECT AND MAINTAIN
UTILITY PEDESTALS
FOR SERVICABILITY.

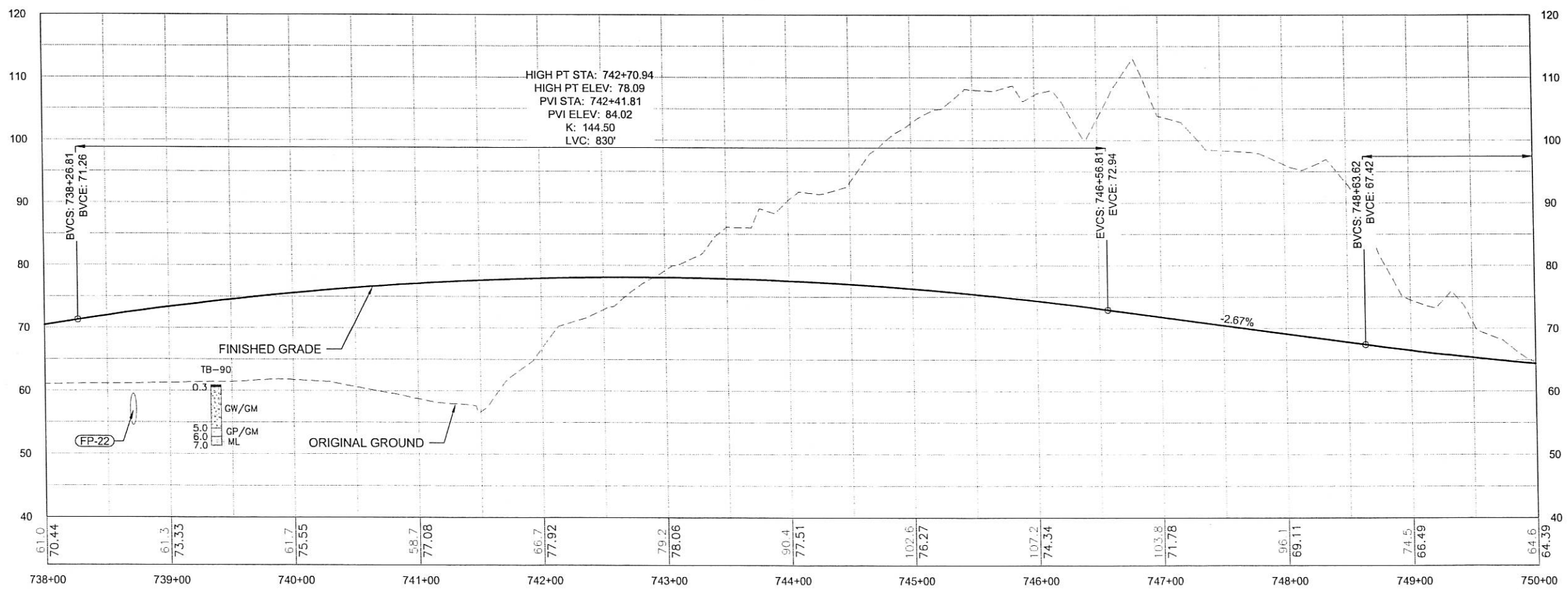
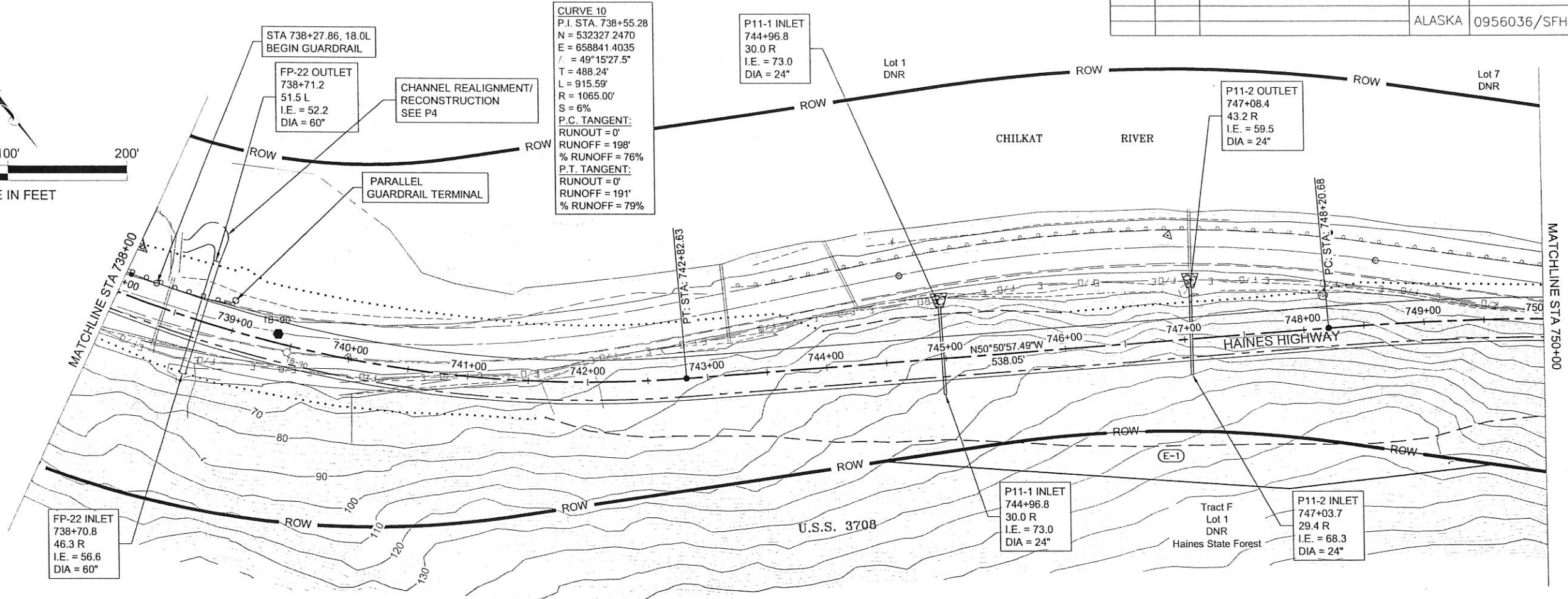
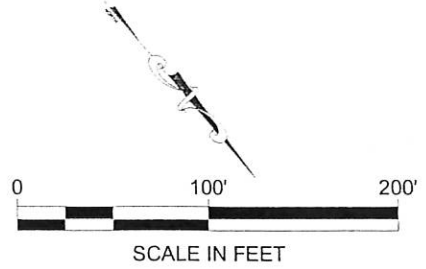


FILE: C:\Civil\3D Projects\2018\24\61850-02\Civil\SC-CT-RD-F-61850.dwg
DATE: 9/7/2018 16:52
LAYOUT: F10
DESIGNED: SRT
CHECKED: NRH
DRAFTED: CJS
TOTAL SHEETS: 50



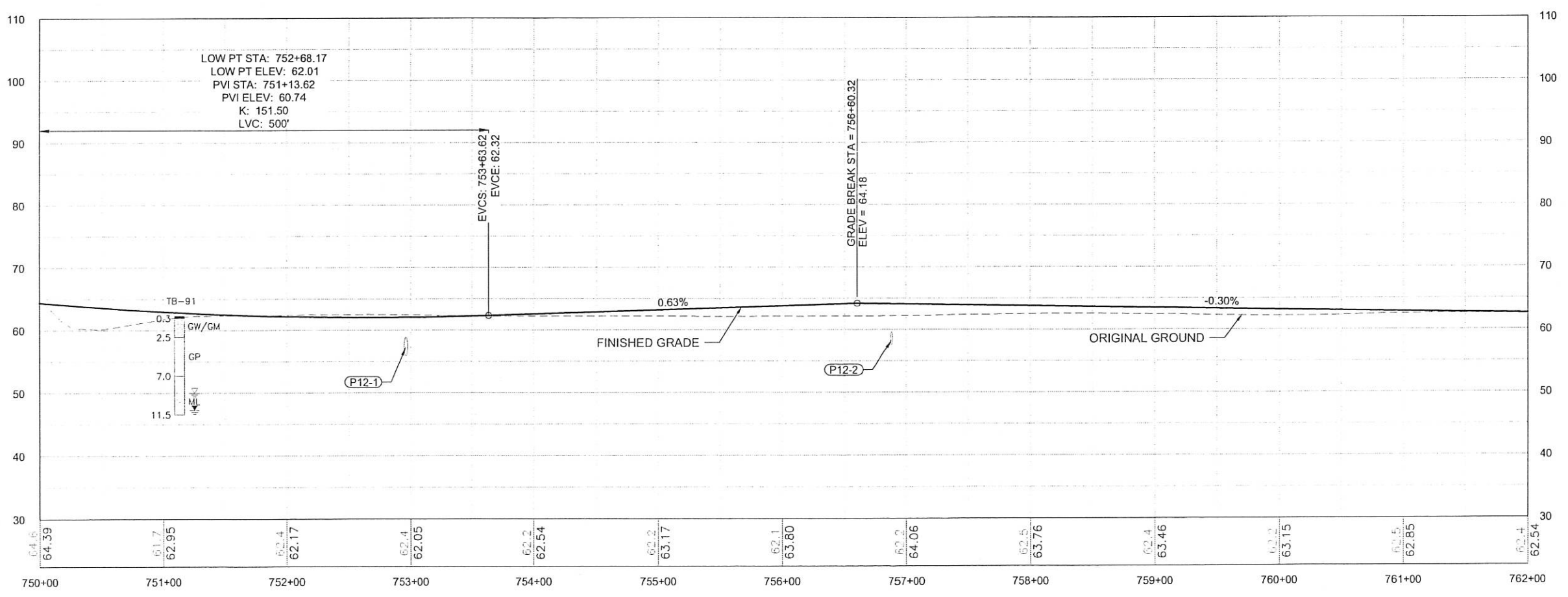
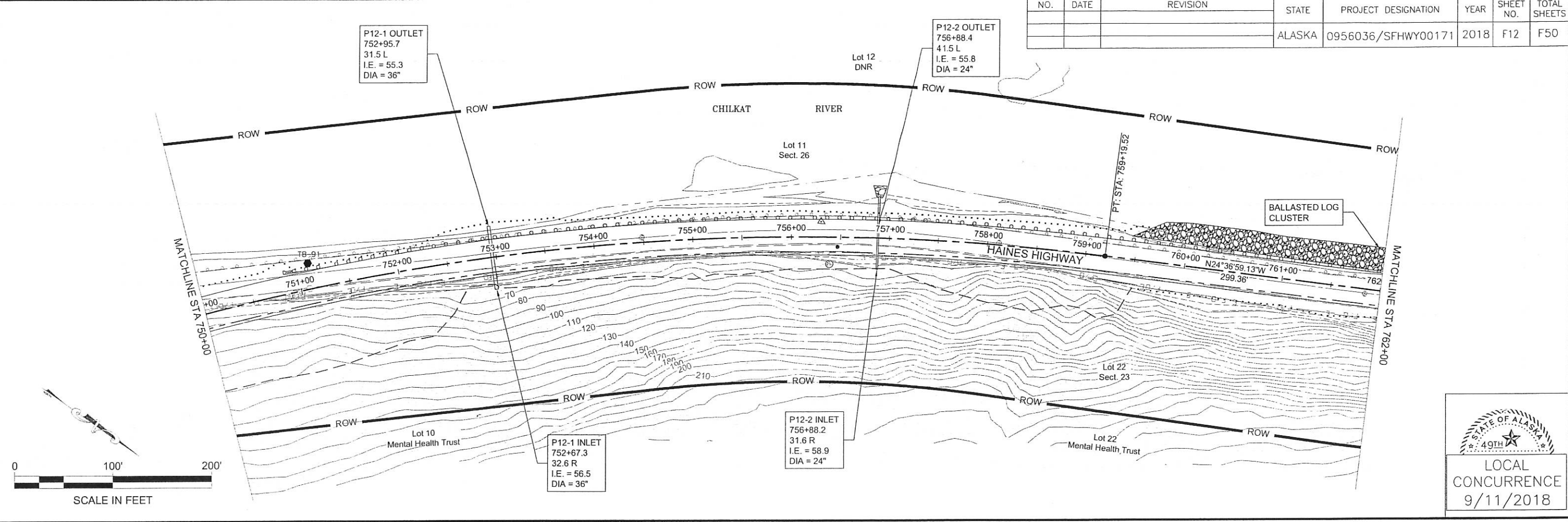
FILE C:\civil\30 Projects\2016\24\61850-02\Civil\SC-CT-RD-F-61850.dwg DATE 9/7/2018 16:52 LAYOUT F11 DESIGNED SRT CHECKED NRH DRAFTED CJS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHWHY00171	2018	F11	F50



FILE: C:\CIVIL\3D Projects\2018\24\61850-02\Civil\SC-CT-RD-F-61850.dwg DATE: 9/7/2018 16:52 LAYOUT: F12 DESIGNED: SRT CHECKED: NRH DRAFTED: CJS

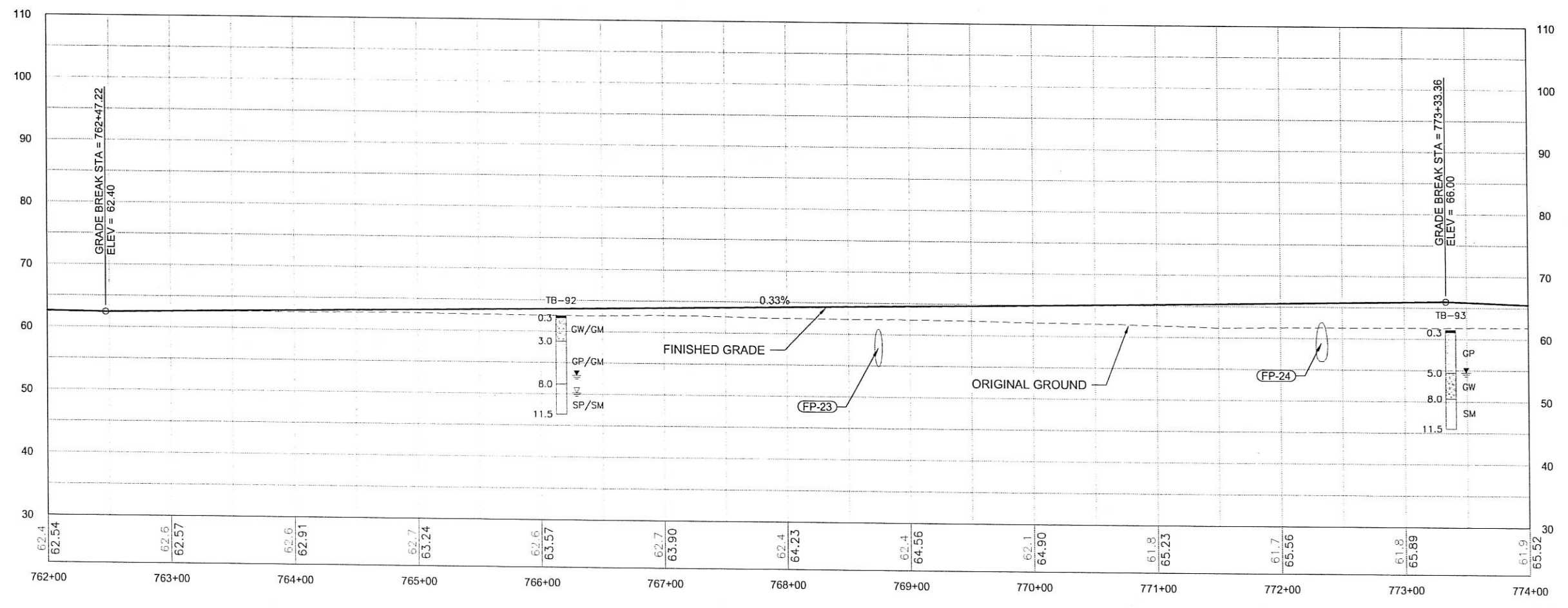
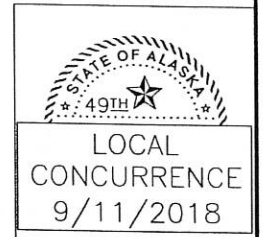
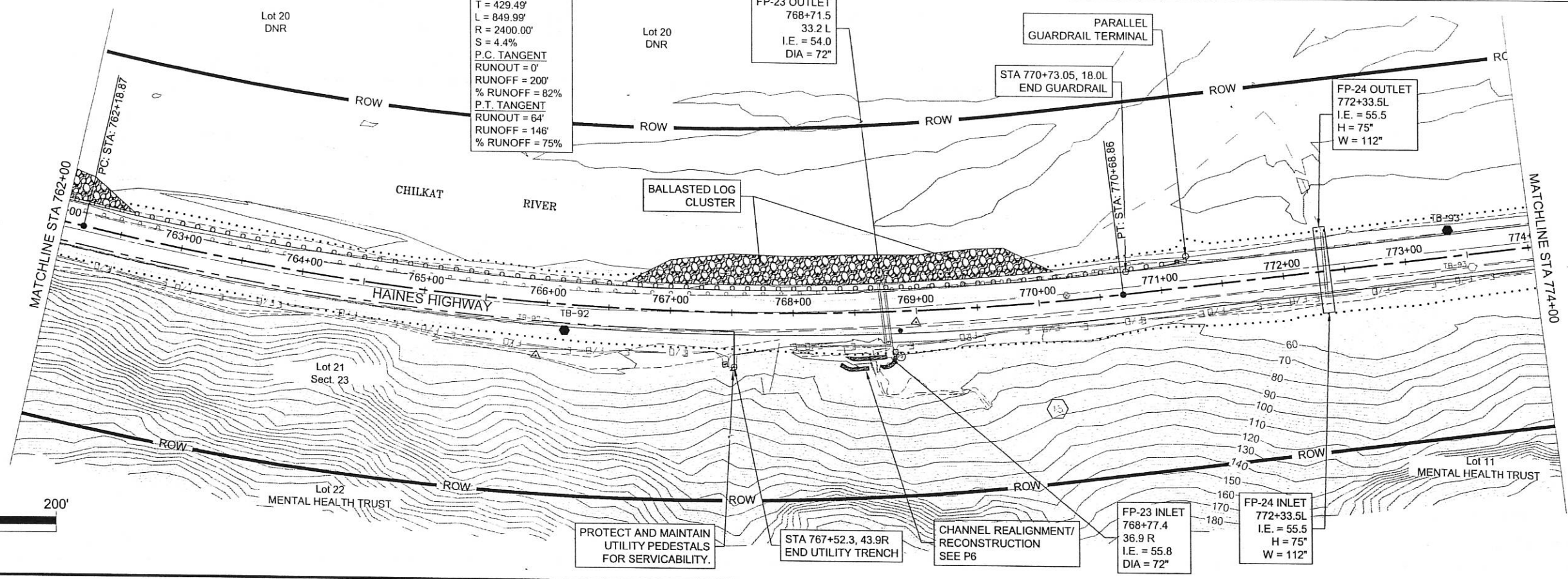
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHWHY00171	2018	F12	F50



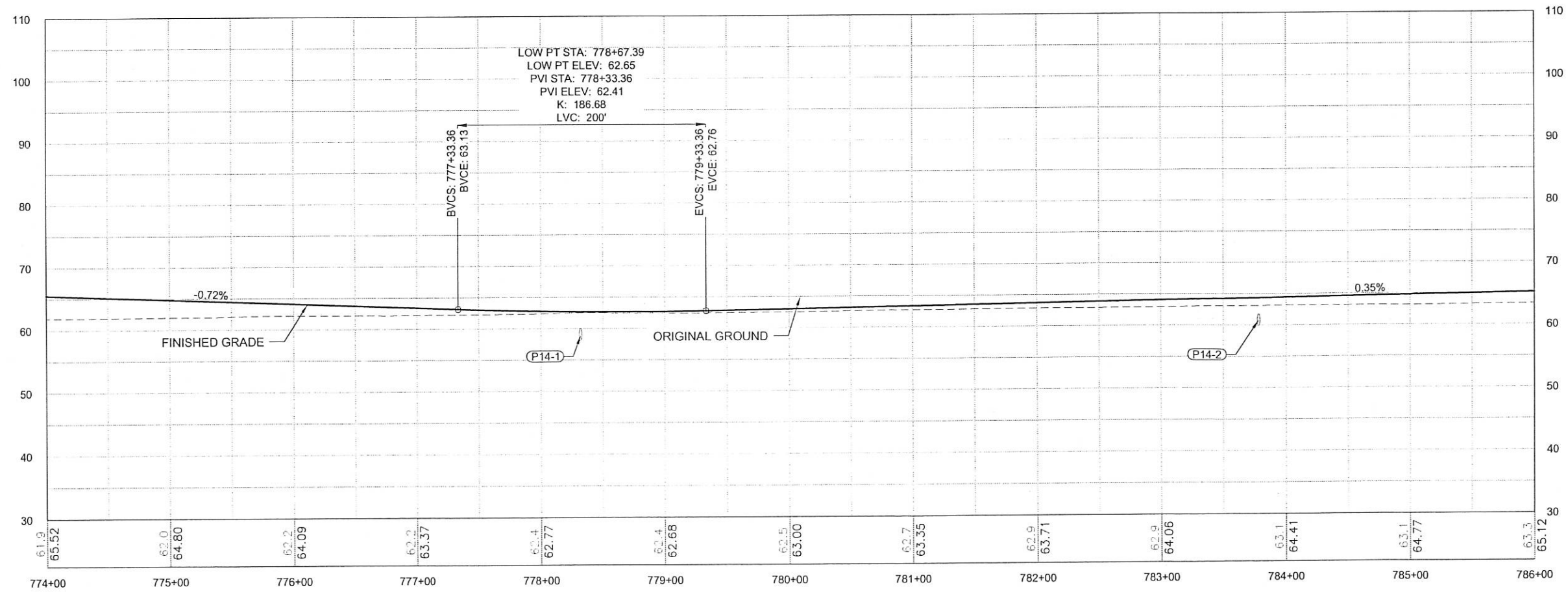
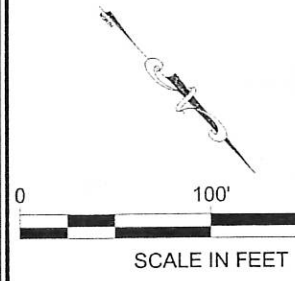
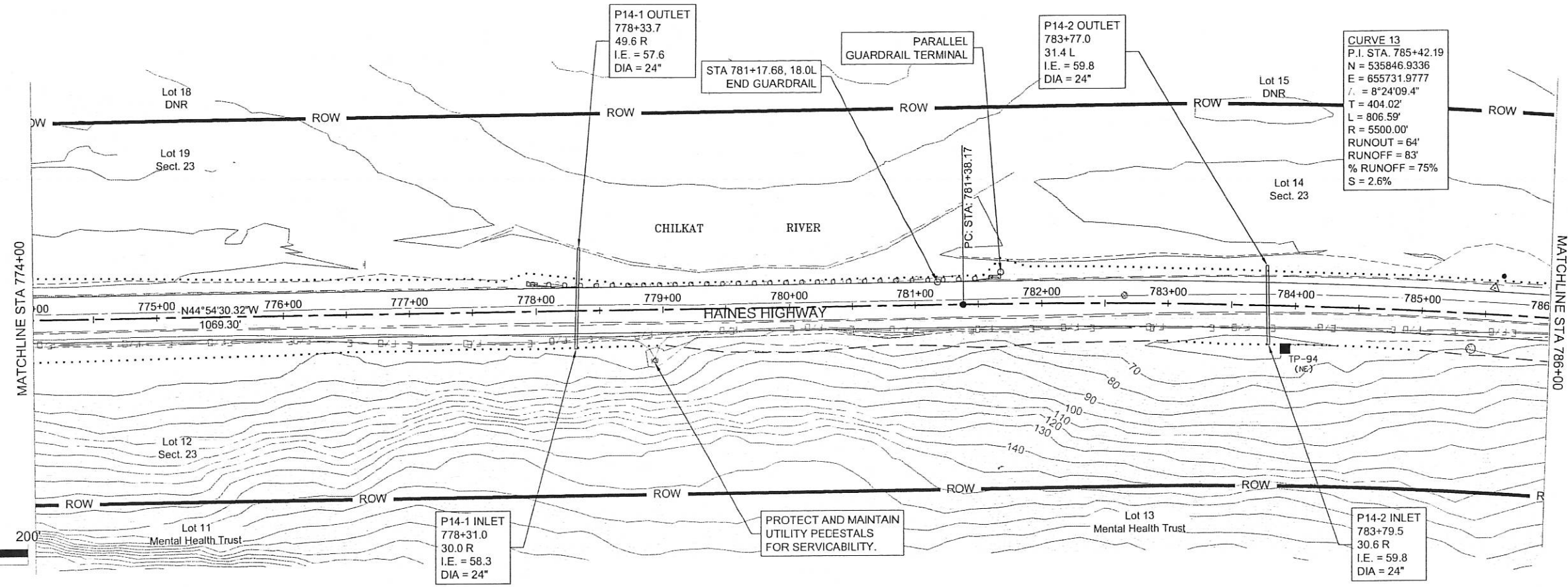
C:\S
DRAFTED
NRH
CHECKED
SRT
DESIGNED
F13
LAYOUT
18:52
DATE
9/7/2018
6:52
PROJECT
C:\Civill 3D Project\2018\24\61850-02\CIVIL\NSC-CT-RD-F-61850.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHWHY00171	2018	F13	F50

CURVE 12
 P.I. STA. 766+48.37
 N = 534499.2896
 E = 657075.3206
 I = 20°17'31.2"
 T = 429.49'
 L = 849.99'
 R = 2400.00'
 S = 4.4%
 P.C. TANGENT
 RUNOUT = 0'
 % RUNOFF = 82%
 P.T. TANGENT
 RUNOUT = 64'
 % RUNOFF = 146%
 % RUNOFF = 75%



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHWHY00171	2018	F14	F50

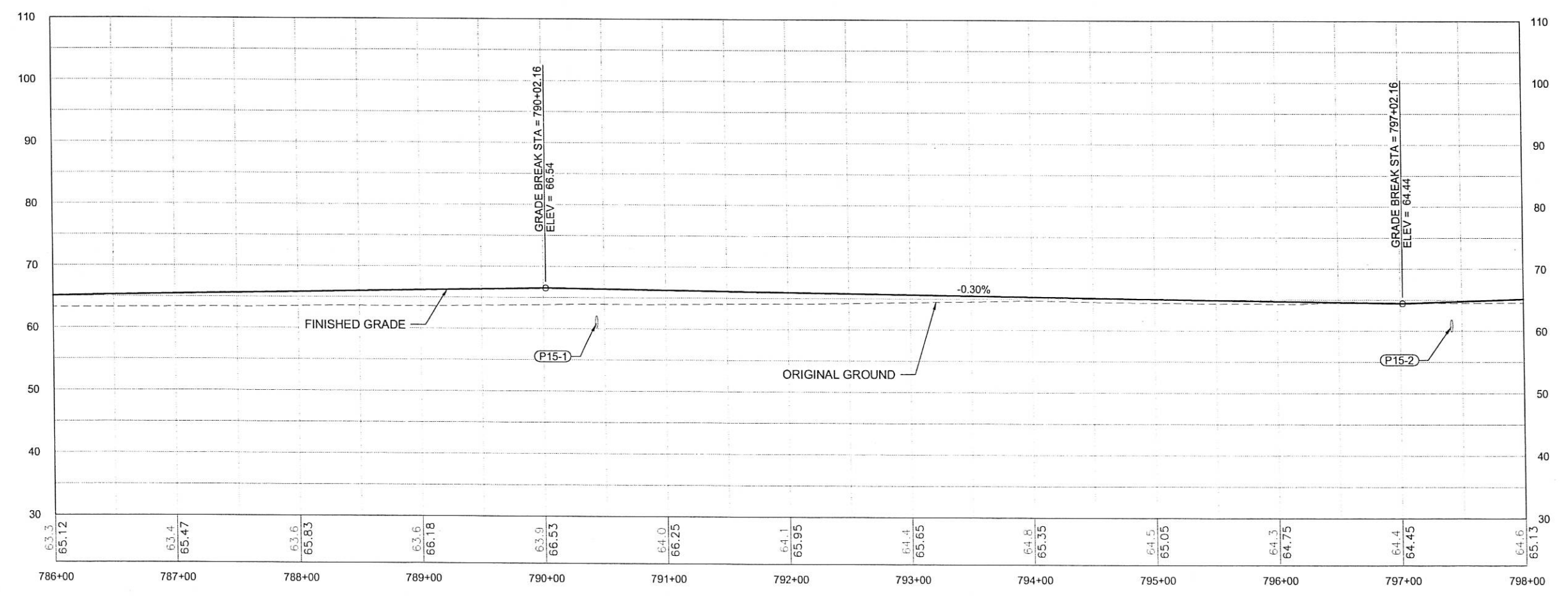
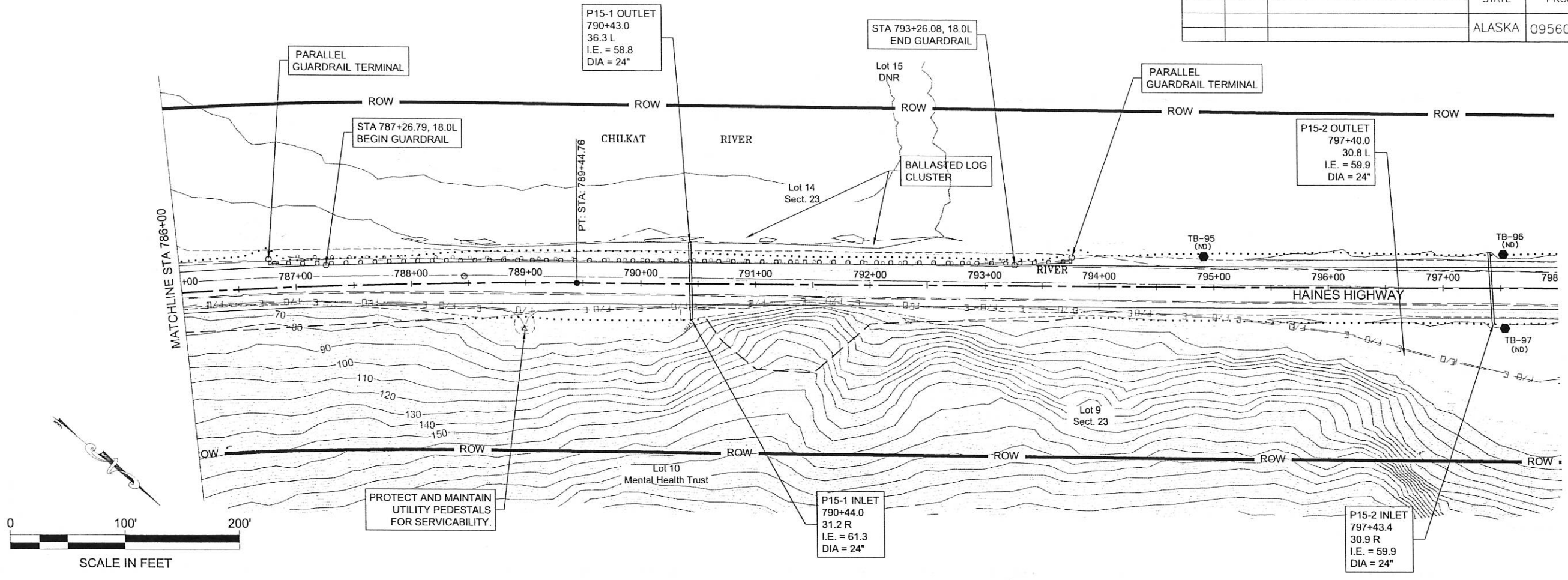


FILE: C:\Civil\3D Projects\2016\24\61850-02\Civil\SC-CT-RD-F-61850.dwg

DATE: 9/7/2018 16:52 LAYOUT: F14 DESIGNED: SRT CHECKED: NRH DRAFTED: CJS

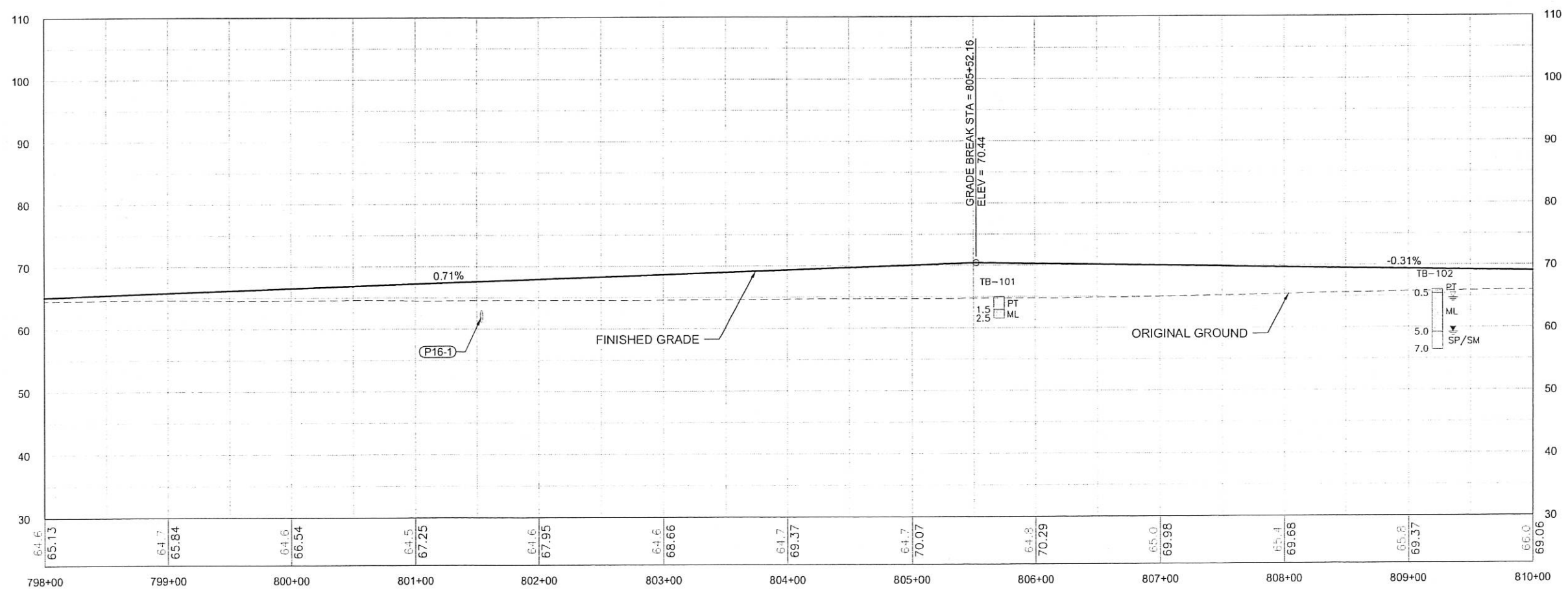
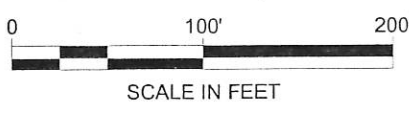
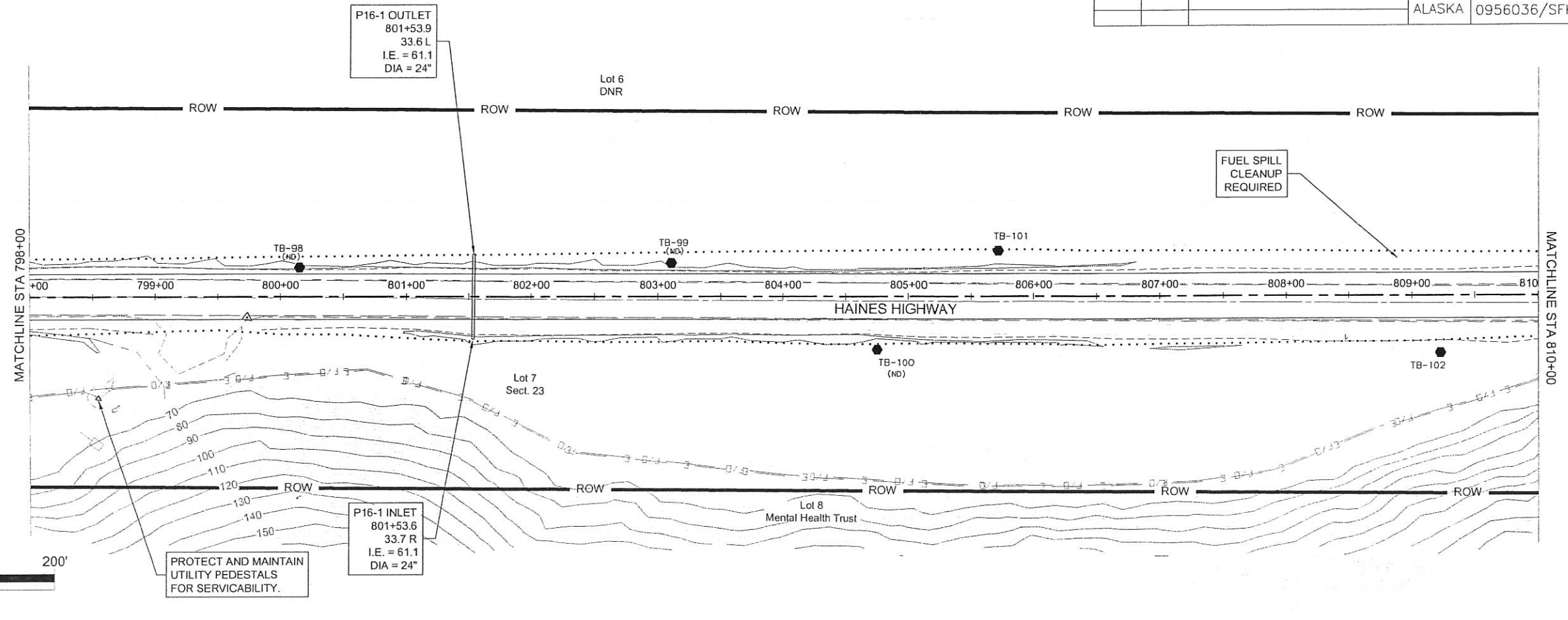
FILE C:\Civil\3D Projects\2016\24\61850-02\Civil\SC-CT-RD-F-61850.dwg DATE 9/7/2018 16:52 LAYOUT F15 DESIGNED SRT CHECKED MRH DRAFTED C.J.S.

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHWHY00171	2018	F15	F50



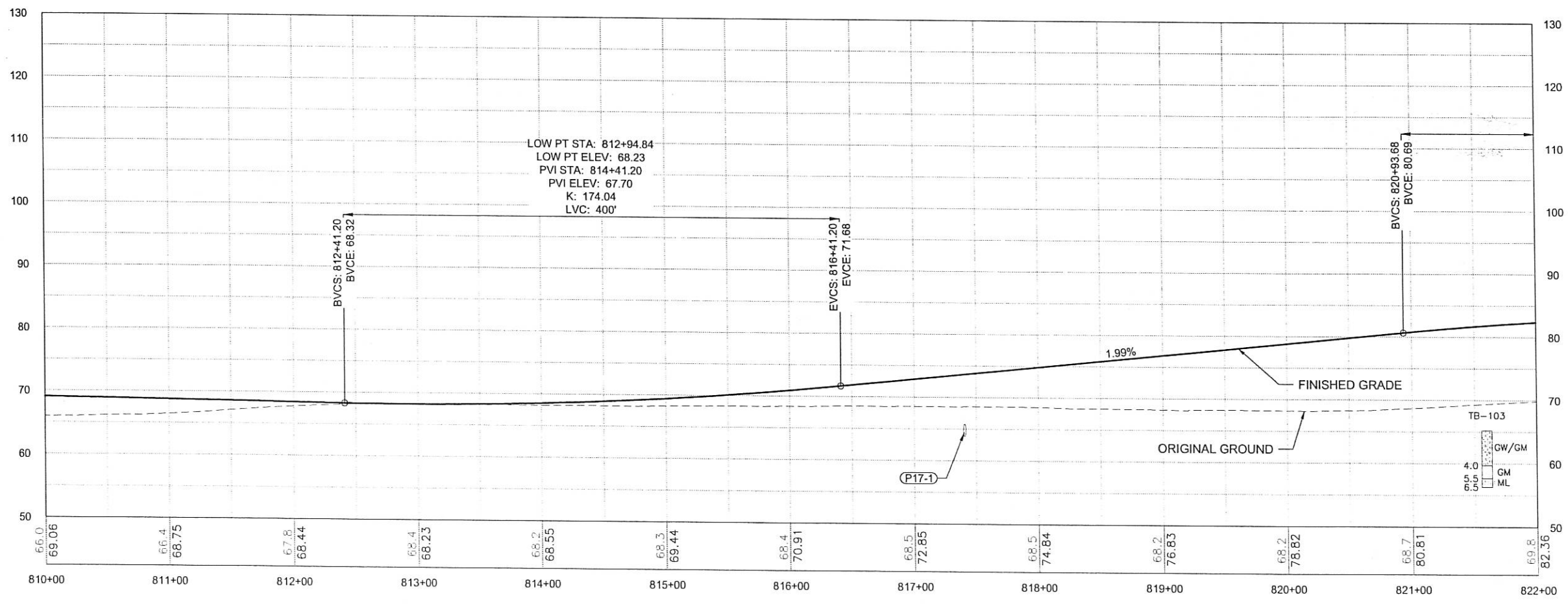
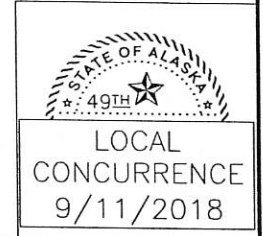
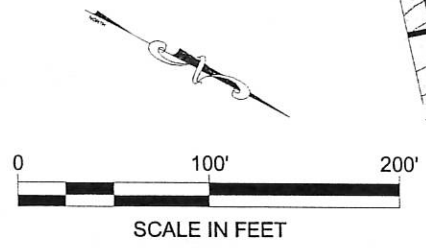
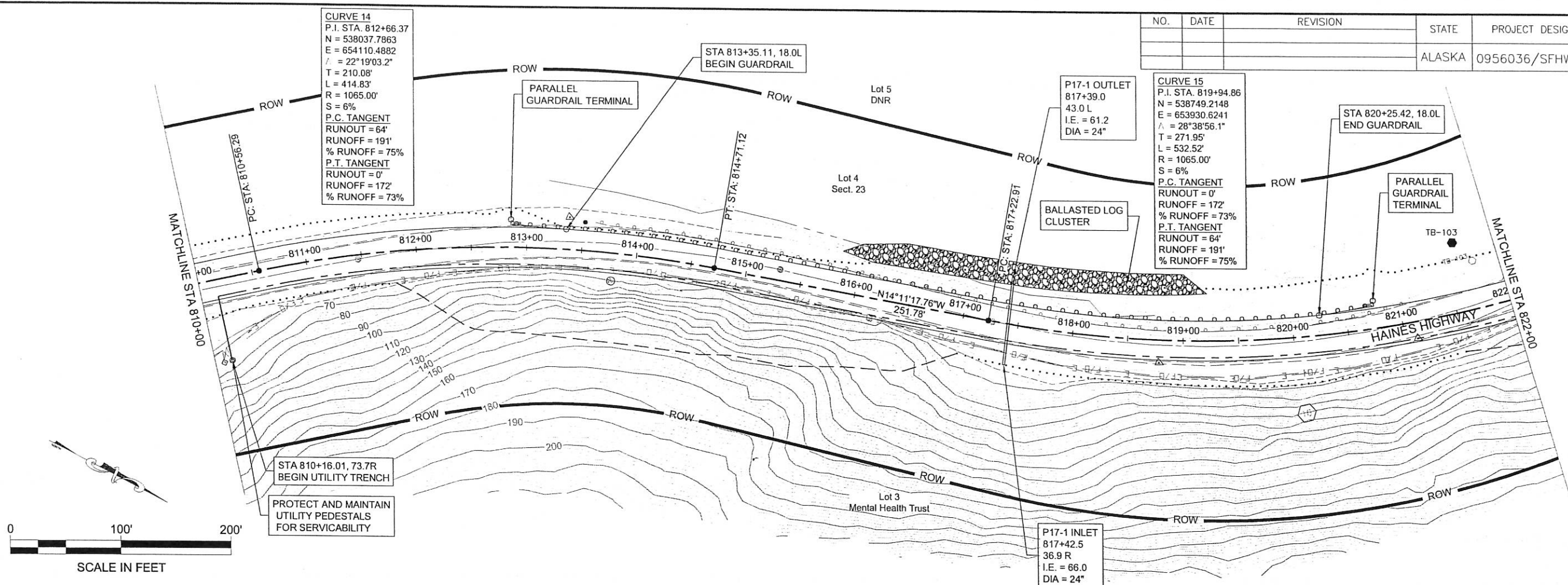
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHWY00171	2018	F16	F50

FILE: C:\Civill\3D Projects\2016\24161850-02\Civil\SC-CI-RD-F-61850.dwg
 DATE: 9/7/2018 16:52 LAYOUT: F16 DESIGNED: SRT CHECKED: NPH DRAFTED: CJS



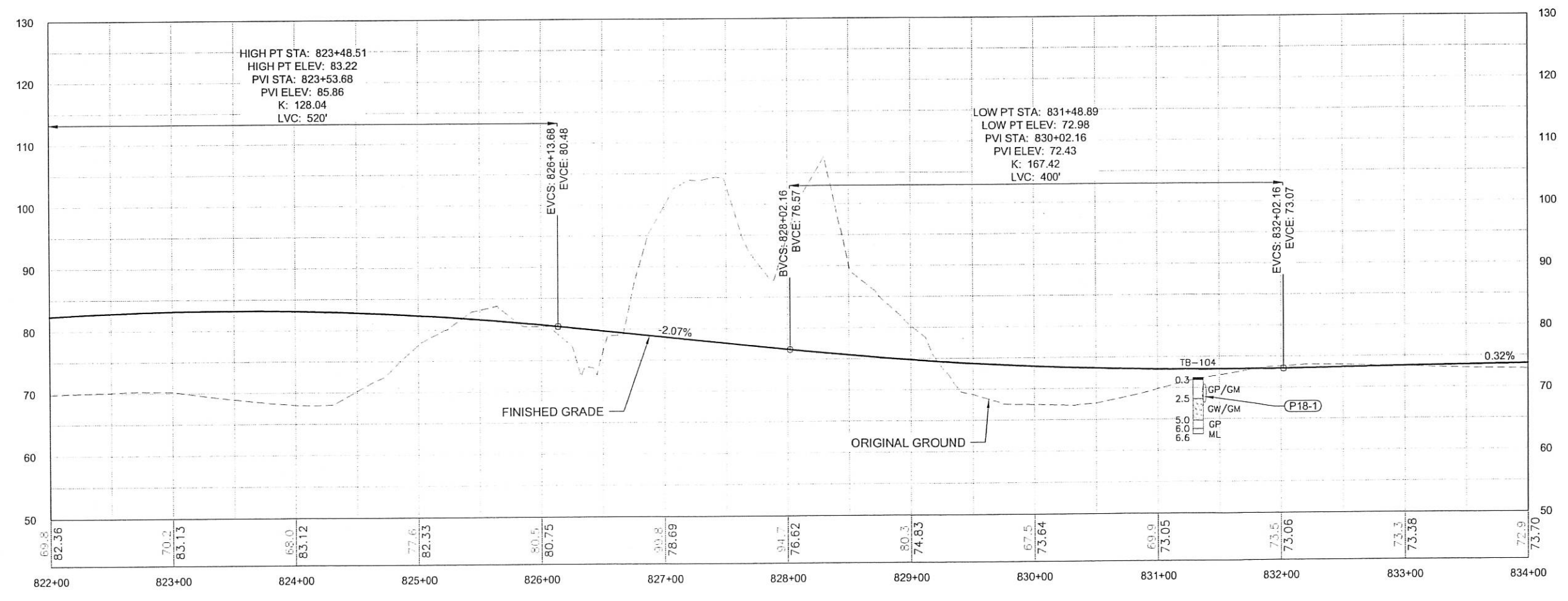
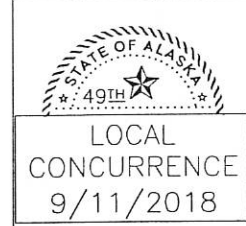
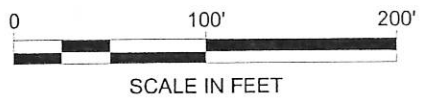
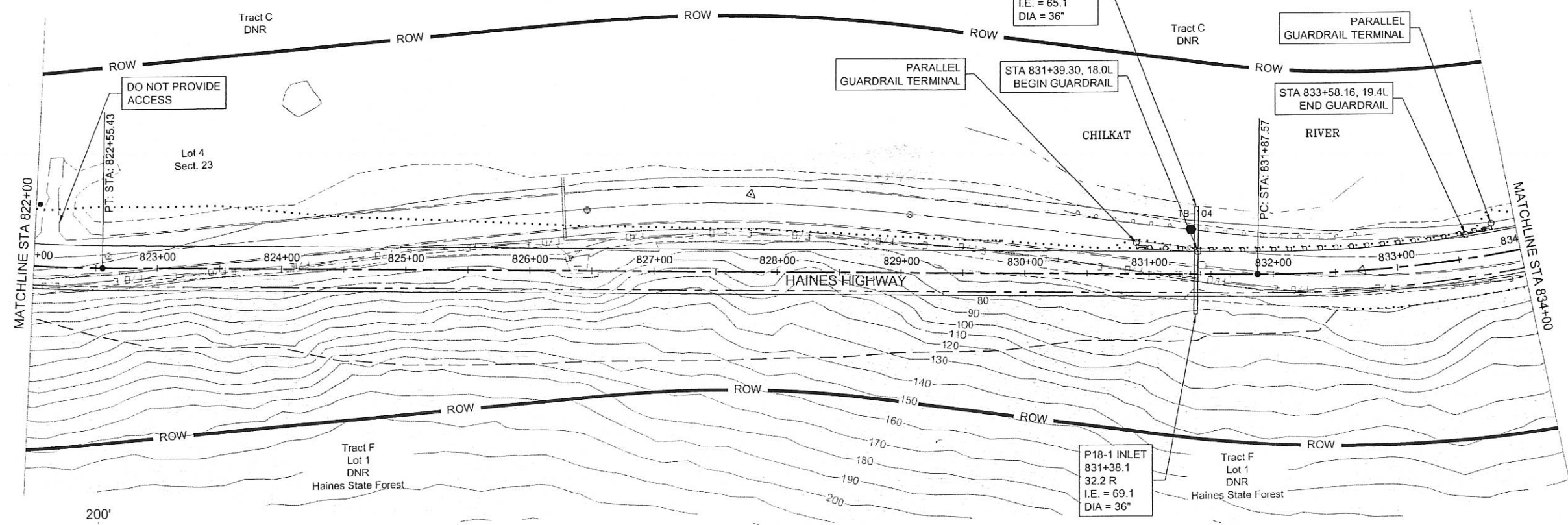
C/S
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NRH
CHECKED
SRT
DESIGNED
F17
LAYOUT
16:52
DATE
9/7/2018
3D Projects\2016\24\61850-02\Civil\SC-CT-RD-F-61850.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHwy00171	2018	F17	F50



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHWHY00171	2018	F18	F50

FILE C:\Civil\3D Projects\2016\24\61850-02\Civil\SC-CT-RD-F-61850.dwg
 DATE 9/7/2018 16:52 LAYOUT F18
 DESIGNED SRT CHECKED NRH DRAFTED CJS



FILE: C:\civ11\3D Projects\2018\24\1850-02\Civ11\SC-CT-RD-F-61850.dwg DATE: 9/7/2018 16:52 LAYOUT: F19 DESIGNED: SRT CHECKED: NRH DRAFTED: CJS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHWO0171	2018	F19	F50

CURVE 16
 P.I. STA. 834+38.08
 N = 539817.4979
 E = 652940.0945
 I = 26°06'33.4"
 T = 255.06'
 L = 501.26'
 R = 1100.00'
 RUNOUT = 64'
 % RUNOFF = 75%
 S = 6%

P19-1 OUTLET
 837+16.0
 36.6 R
 I.E. = 66.9
 DIA = 24"

P19-2 OUTLET
 843+05.4
 42.1 L
 I.E. = 71.1
 DIA = 36"

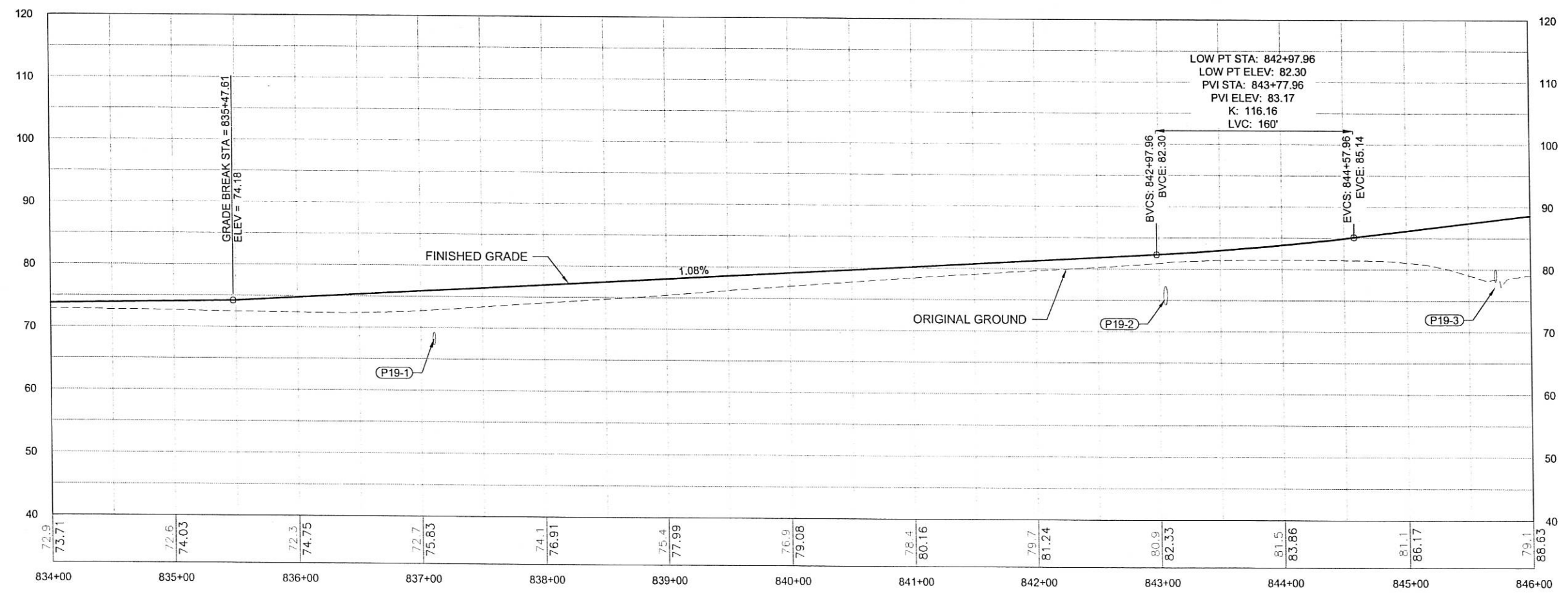
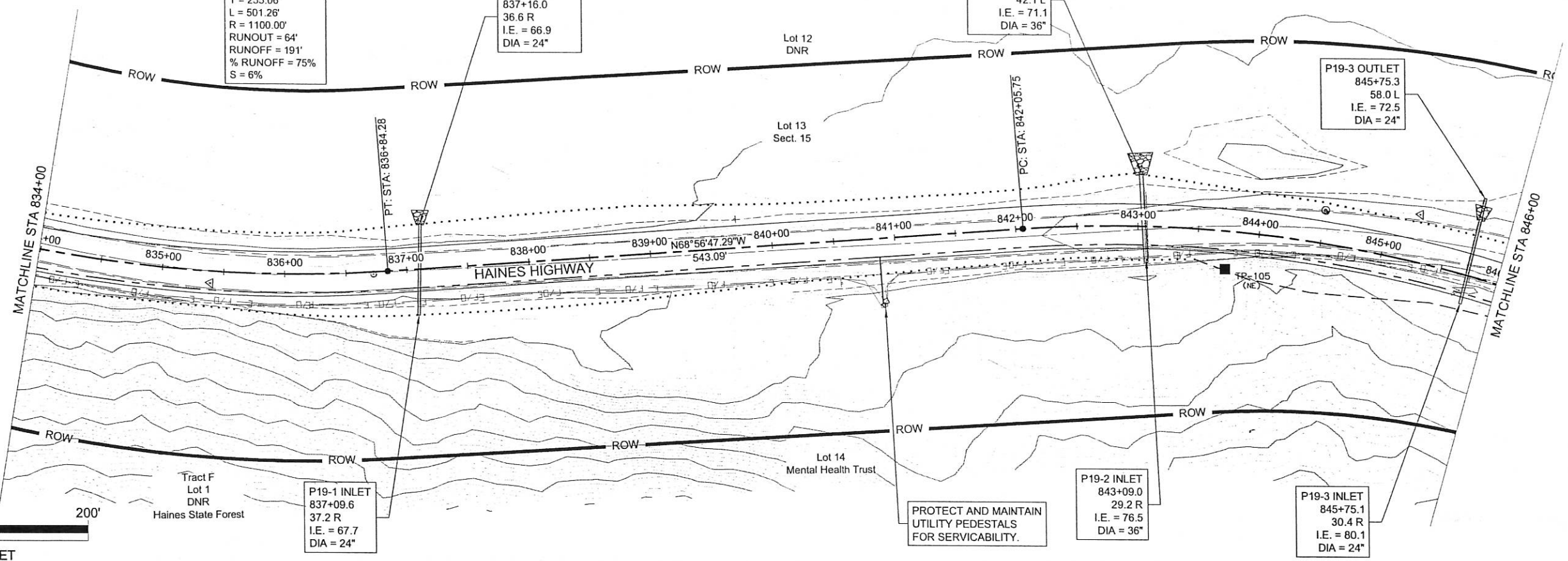
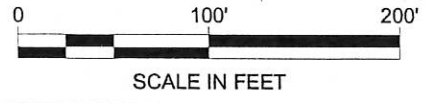
P19-3 OUTLET
 845+75.3
 58.0 L
 I.E. = 72.5
 DIA = 24"

P19-1 INLET
 837+09.6
 37.2 R
 I.E. = 67.7
 DIA = 24"

P19-2 INLET
 843+09.0
 29.2 R
 I.E. = 76.5
 DIA = 36"

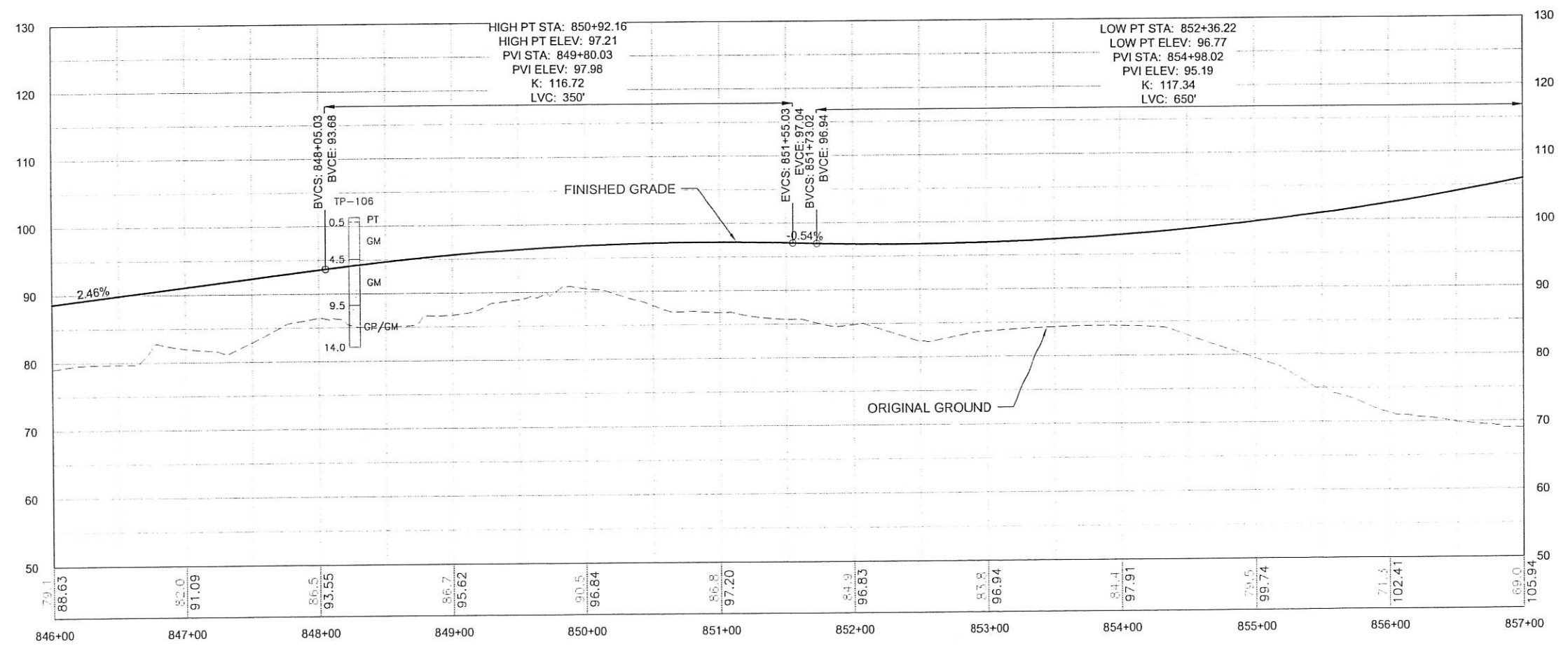
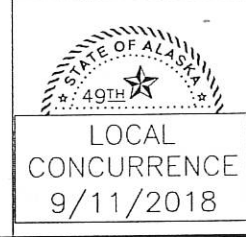
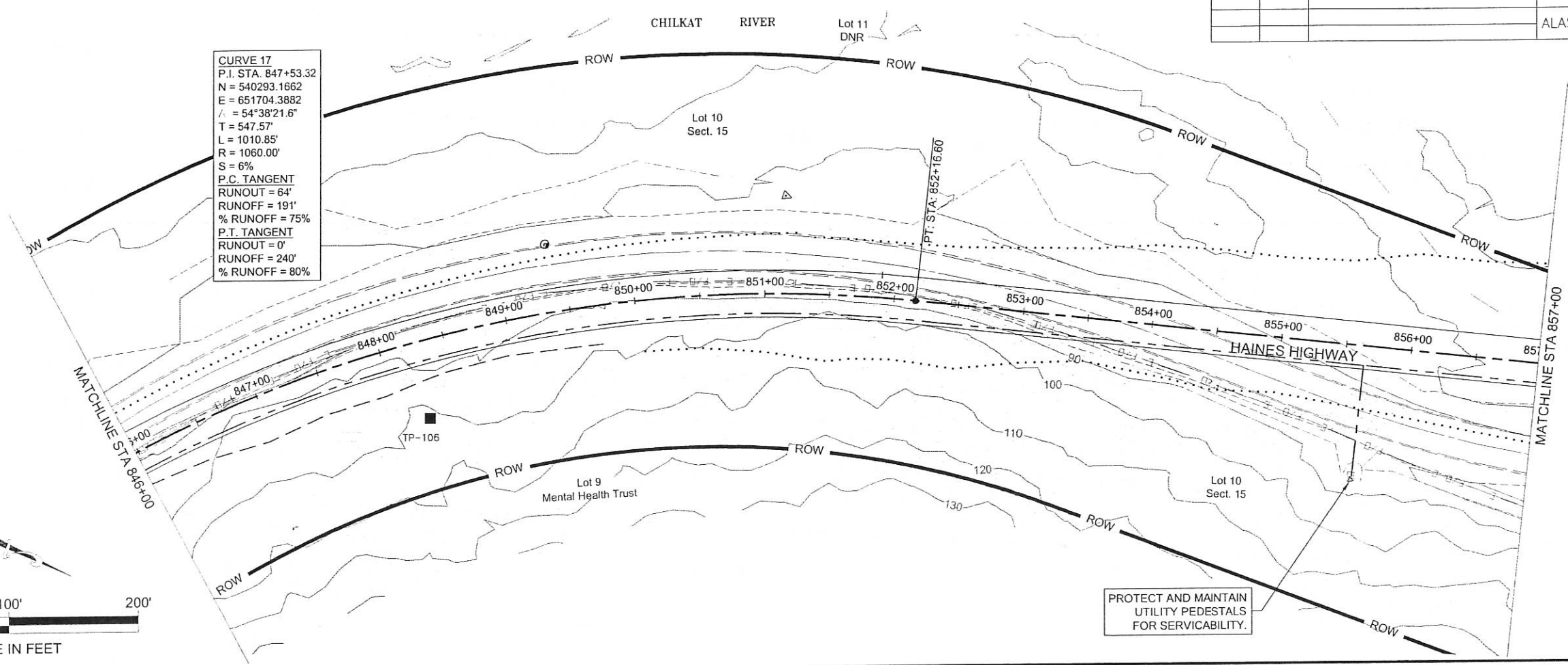
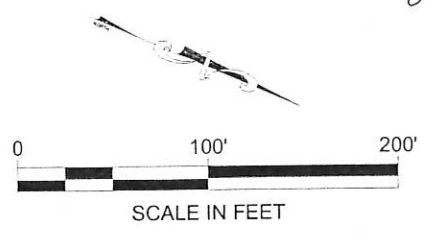
P19-3 INLET
 845+75.1
 30.4 R
 I.E. = 80.1
 DIA = 24"

PROTECT AND MAINTAIN
 UTILITY PEDESTALS
 FOR SERVICABILITY.



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHWHY00171	2018	F20	F50

CURVE 17
 P.I. STA: 847+53.32
 N = 540293.1662
 E = 651704.3882
 Δ = 54°38'21.6"
 T = 547.57'
 L = 1010.85'
 R = 1060.00'
 S = 6%
 P.C. TANGENT
 RUNOUT = 64'
 RUNOFF = 191'
 % RUNOFF = 75%
 P.T. TANGENT
 RUNOUT = 0'
 RUNOFF = 240'
 % RUNOFF = 80%

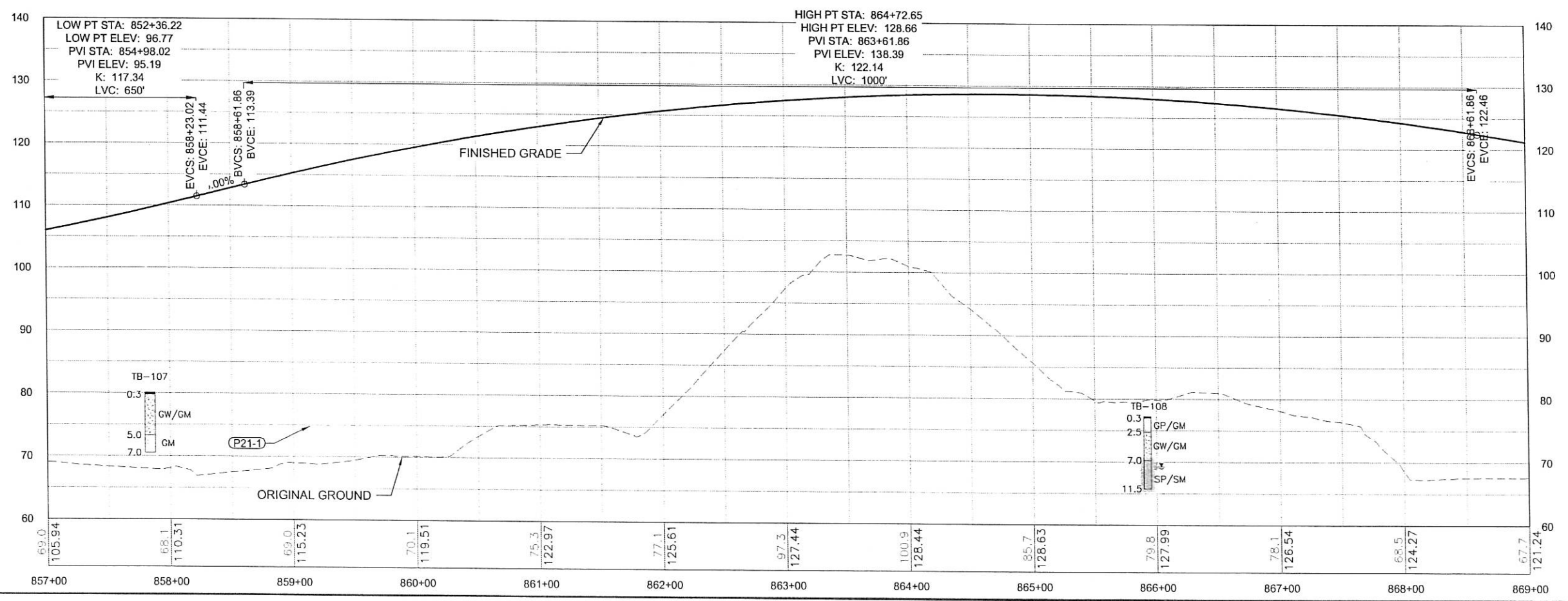
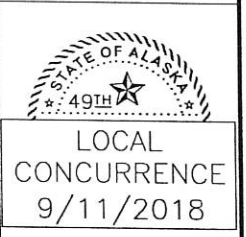
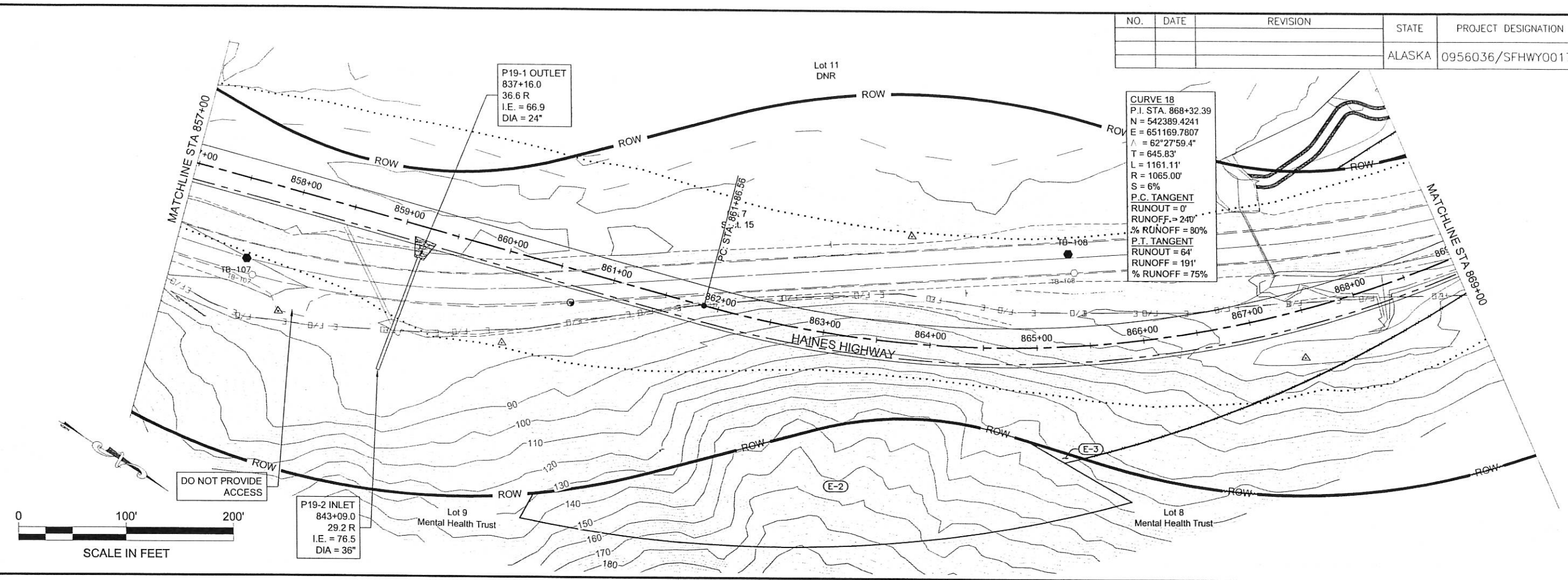


FILE C:\Civil 3D Projects\2018\24\1850-02\Civil\1\SC-CT-RD-F-61850.dwg

DATE 9/7/2018 16:52 LAYOUT F20 DESIGNED SRT CHECKED NRH DRAFTED CJS

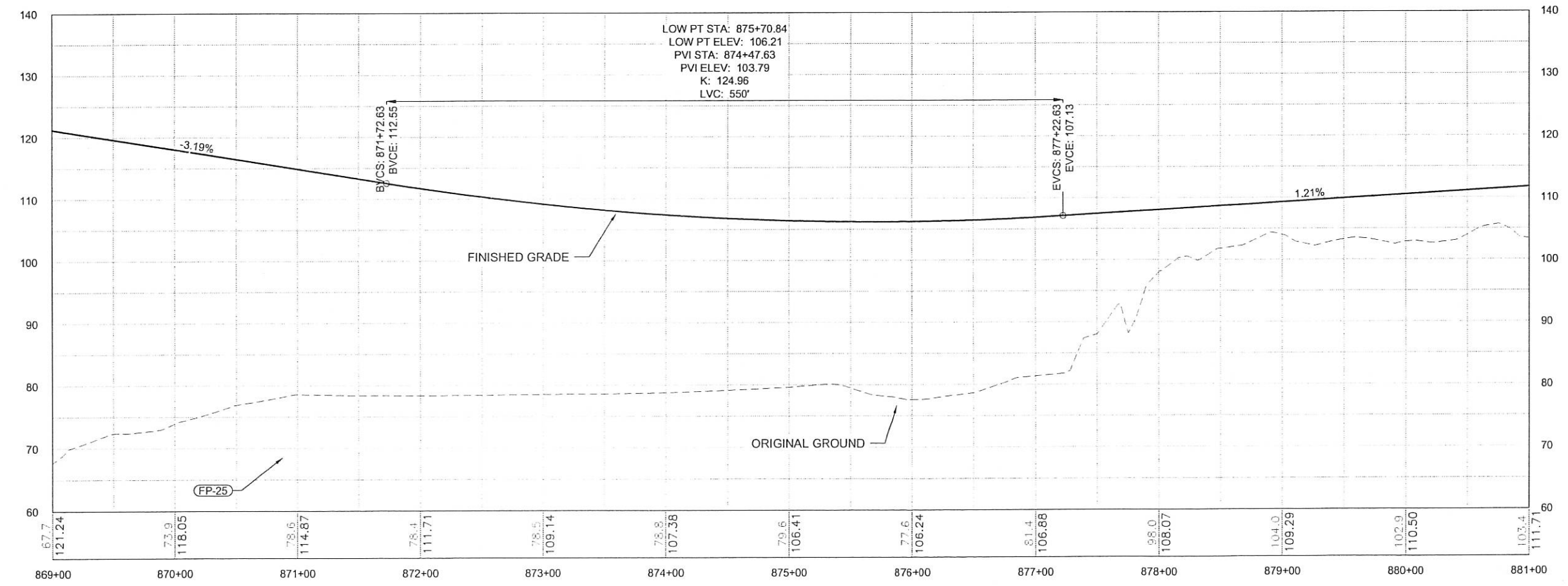
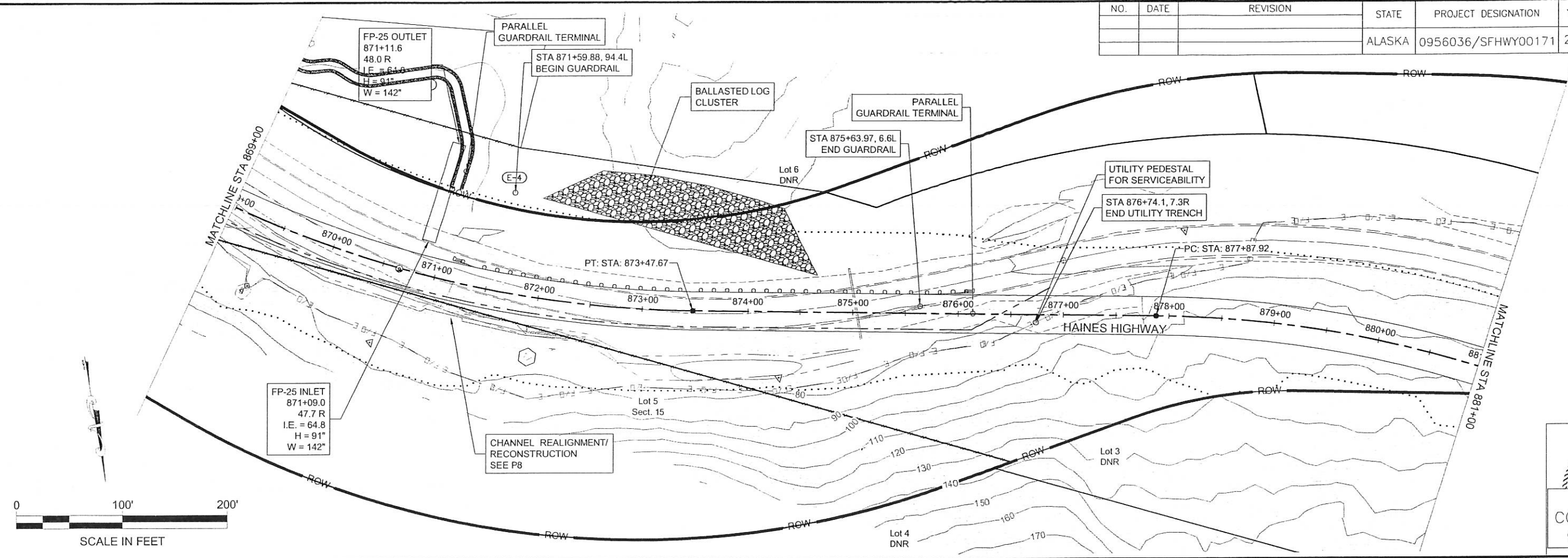
FILE: C:\civil\3D_Proj\civil\3D_Proj\2016\24\61850-02\Civil\1\SC-CT-RD-F-61850.dwg DATE: 9/7/2018 16:52 LAYOUT: F21 DESIGNED: SRT CHECKED: NRH DRAFTED: CJS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHWHY00171	2018	F21	F50



FILE C:\Civ\1 3D Projects\2016\2\161850-02\Civil\SC-CI-RD-F-61850.dwg DATE 9/7/2018 16:52 LAYOUT F22 DESIGNED SRT CHECKED NRH DRAFTED CJS

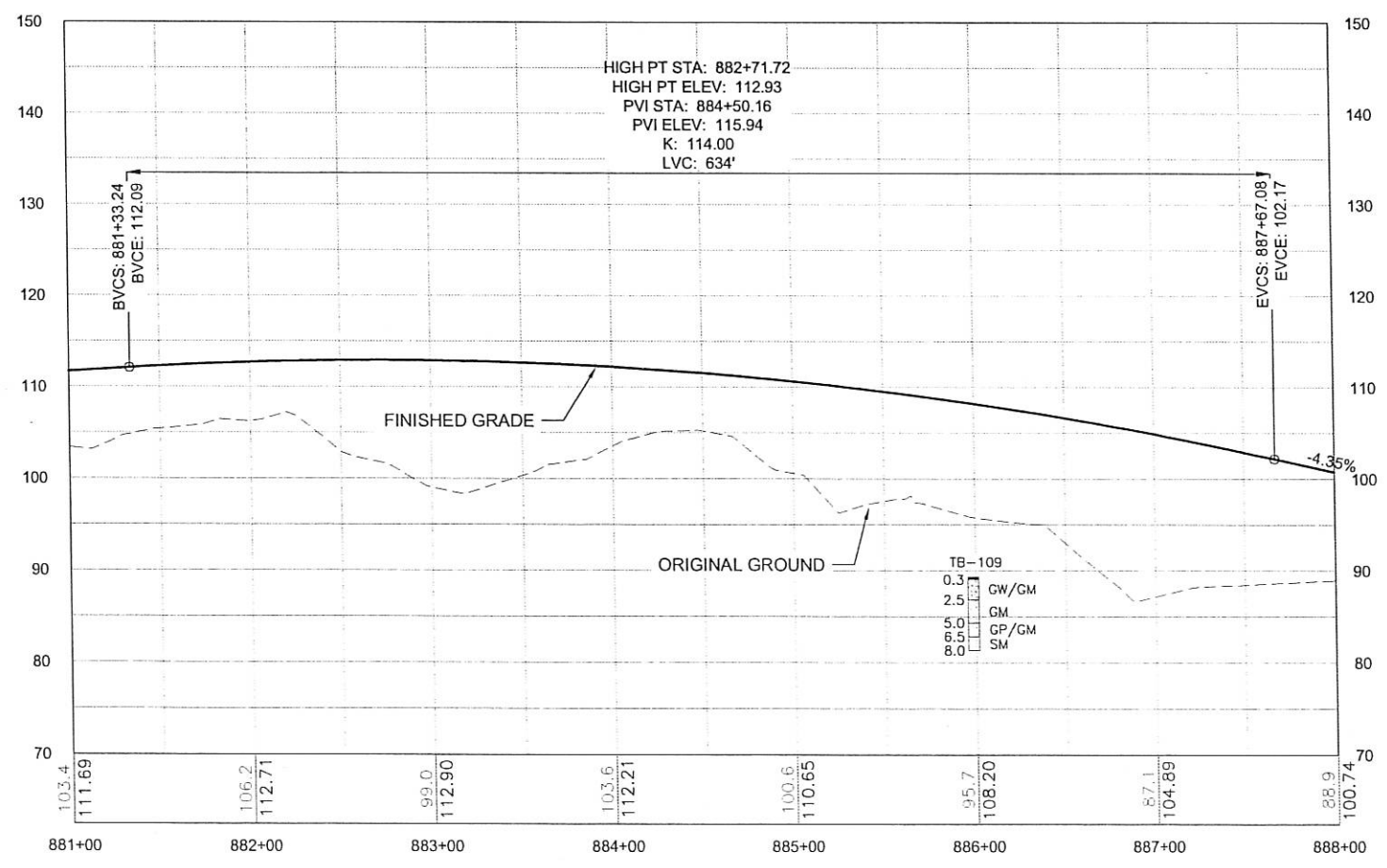
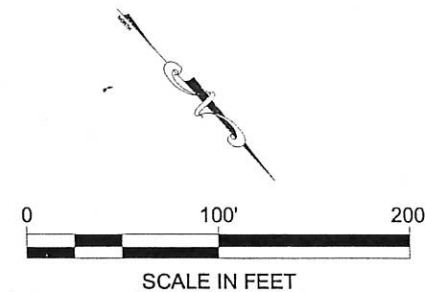
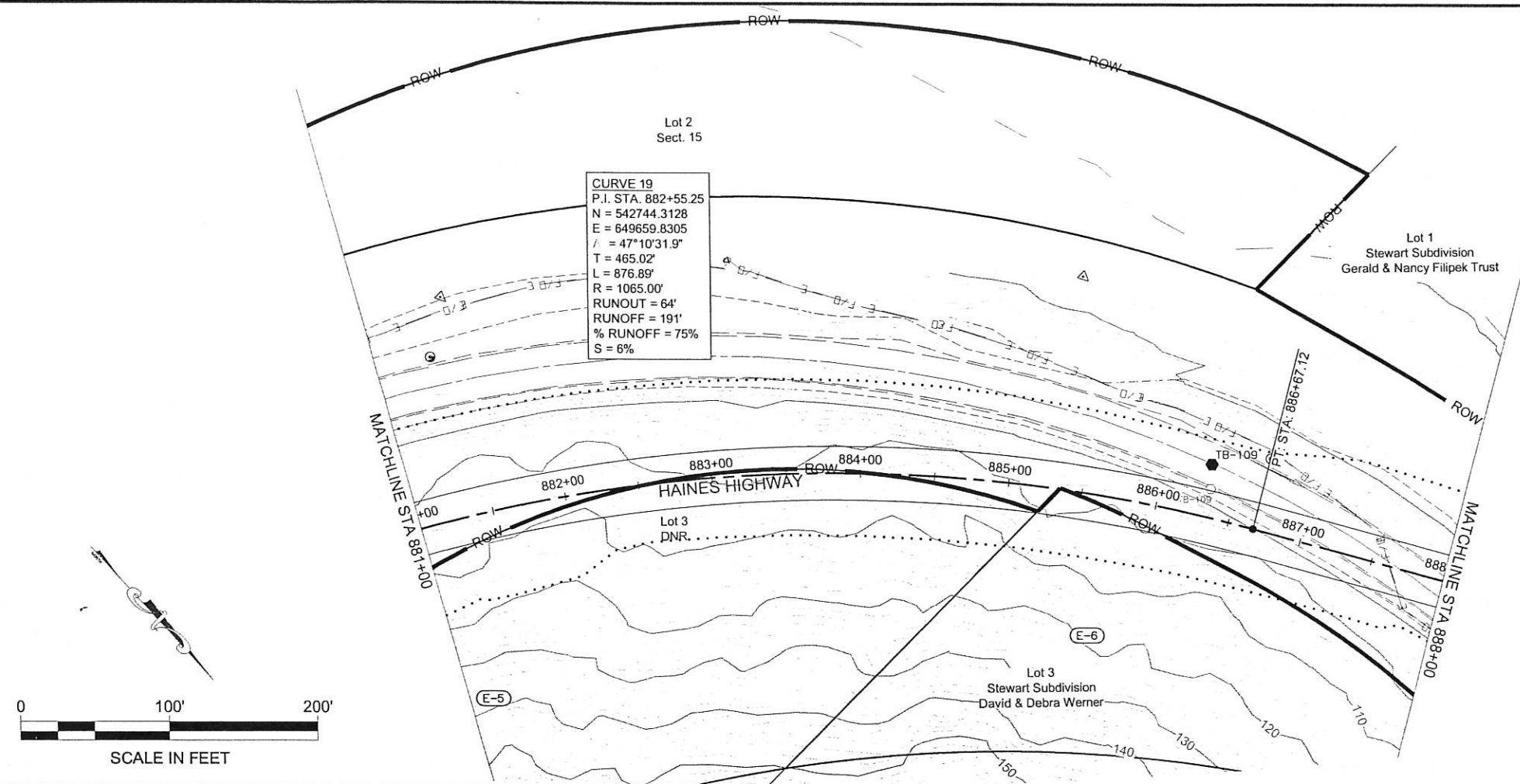
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHwy00171	2018	F22	F50



FILE: C:\Civ11_3D\Projects\2018\24\61850-02\Civ11\ASC-CT-RD-F-61850.dwg

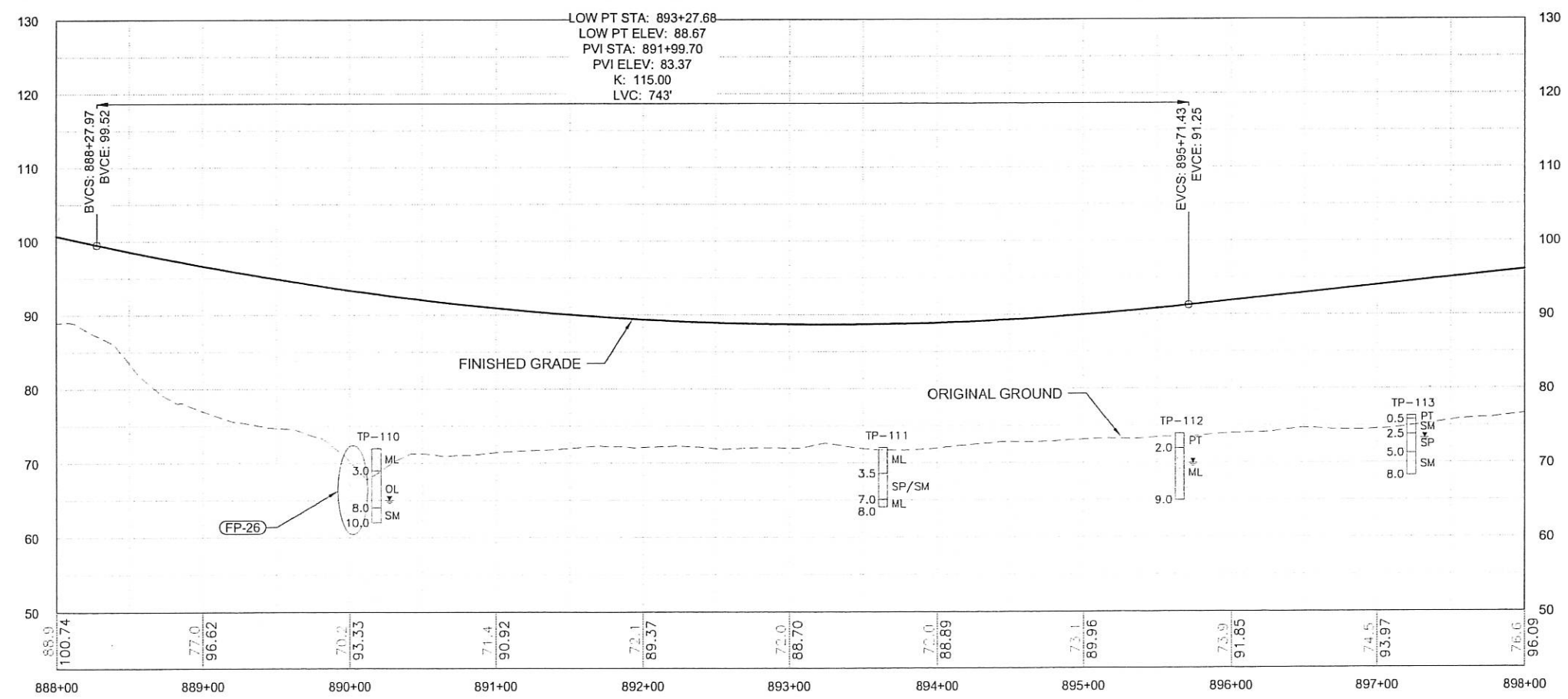
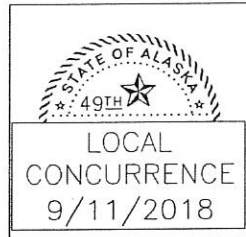
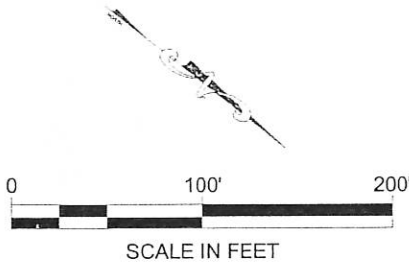
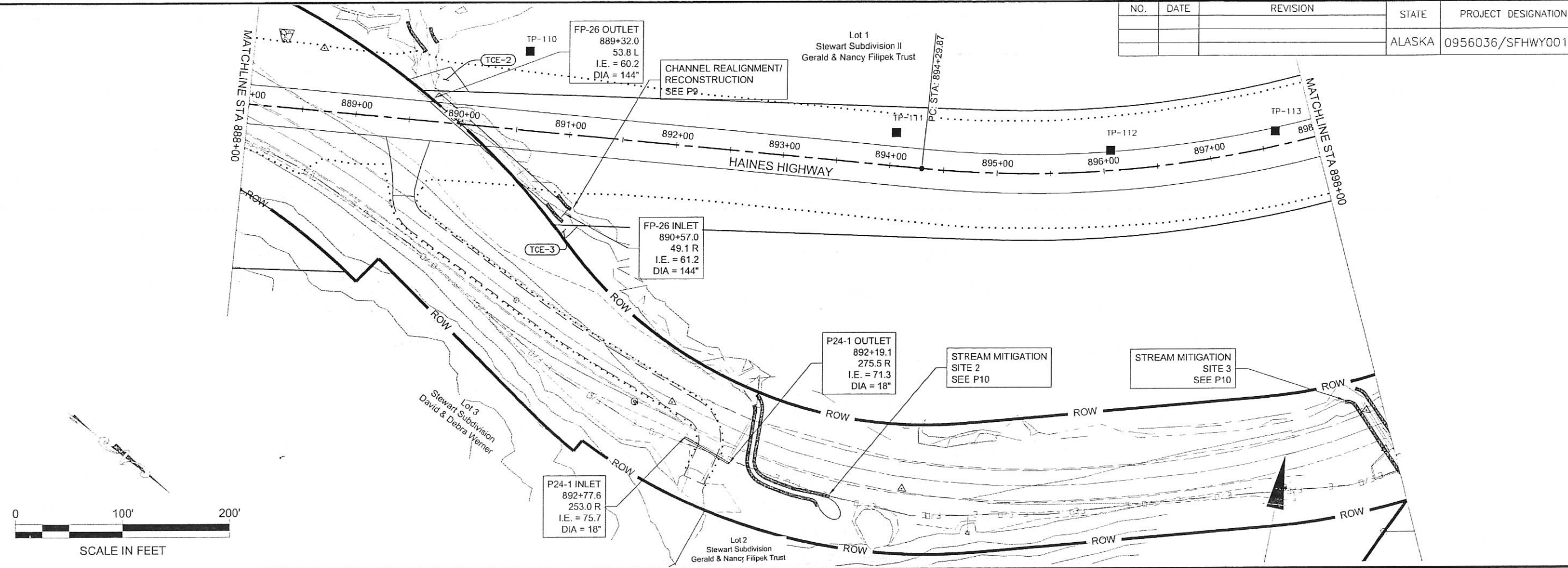
DATE: 9/7/2018 16:52 LAYOUT: F23 DESIGNED: SRT CHECKED: NRH DRAFTED: CJS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHWW00171	2018	F23	F50



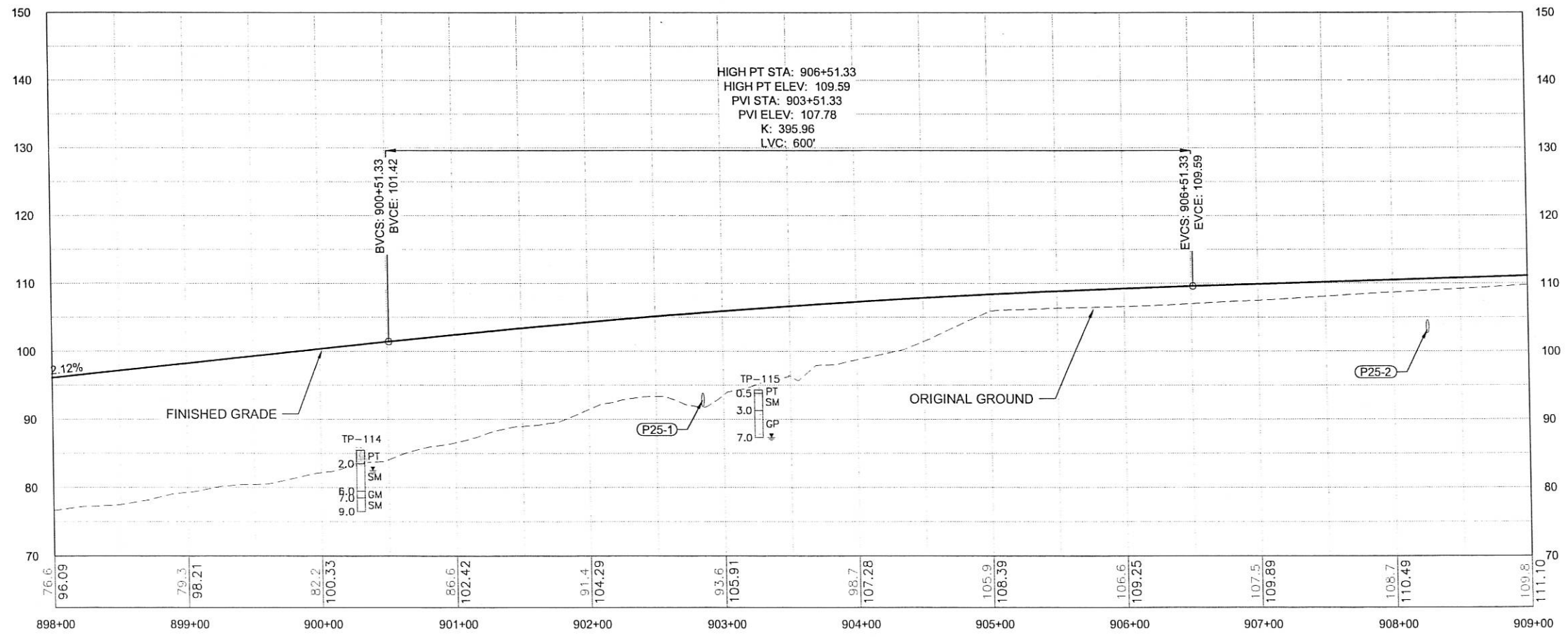
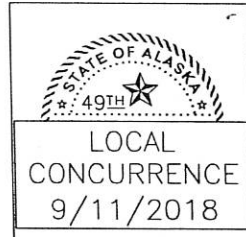
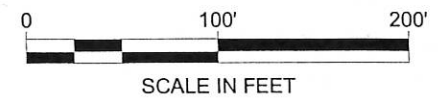
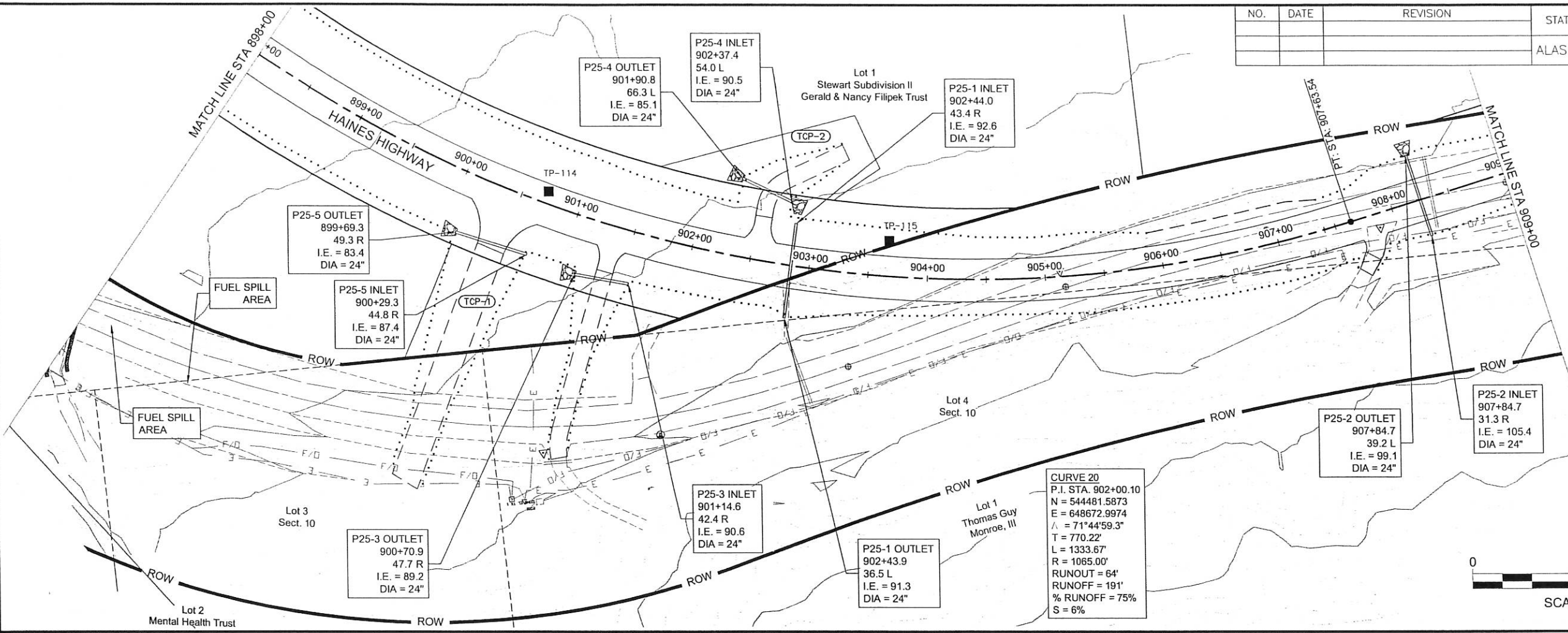
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHwy00171	2018	F24	F50

FILE C:\civ\1_3D Projects\2016\2A\1850-02\Civil\SC-CT-RD-F-61850.dwg
 DATE 9/7/2018 16:52 LAYOUT F24
 DESIGNED SRT
 CHECKED NRH
 DRAFTED CJS



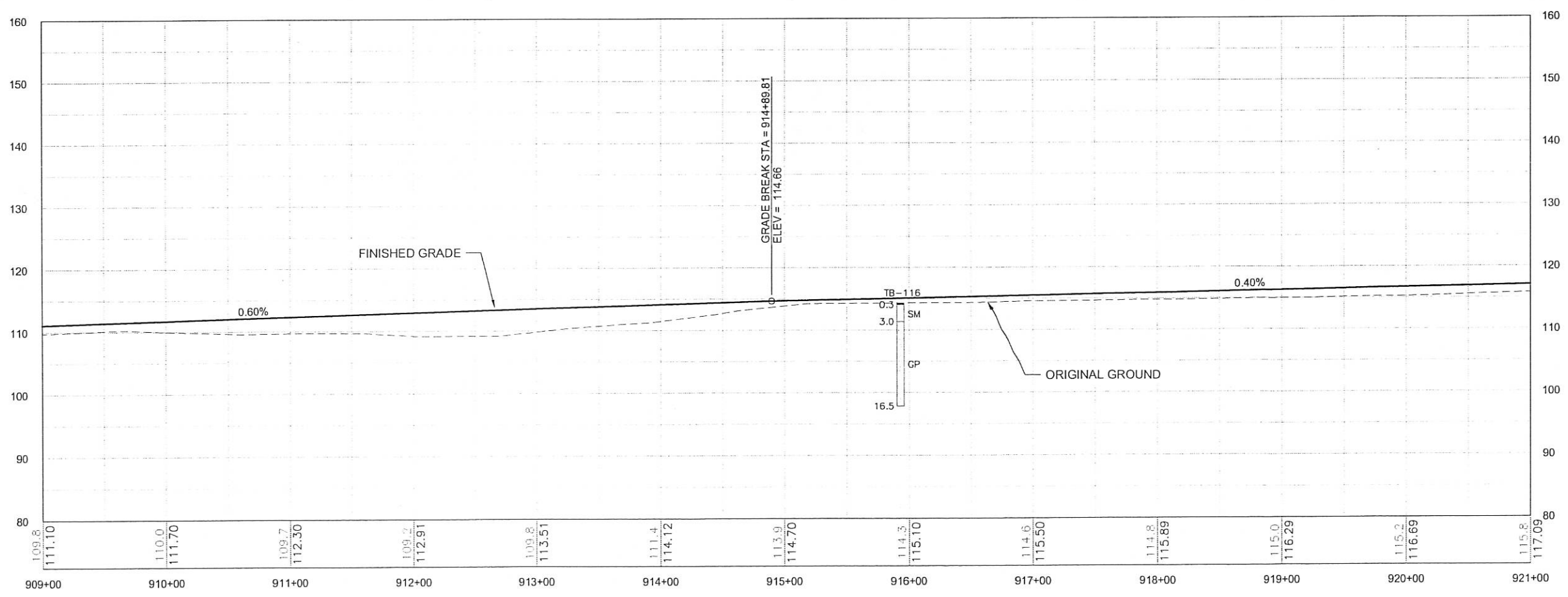
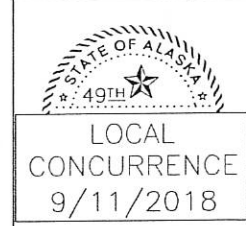
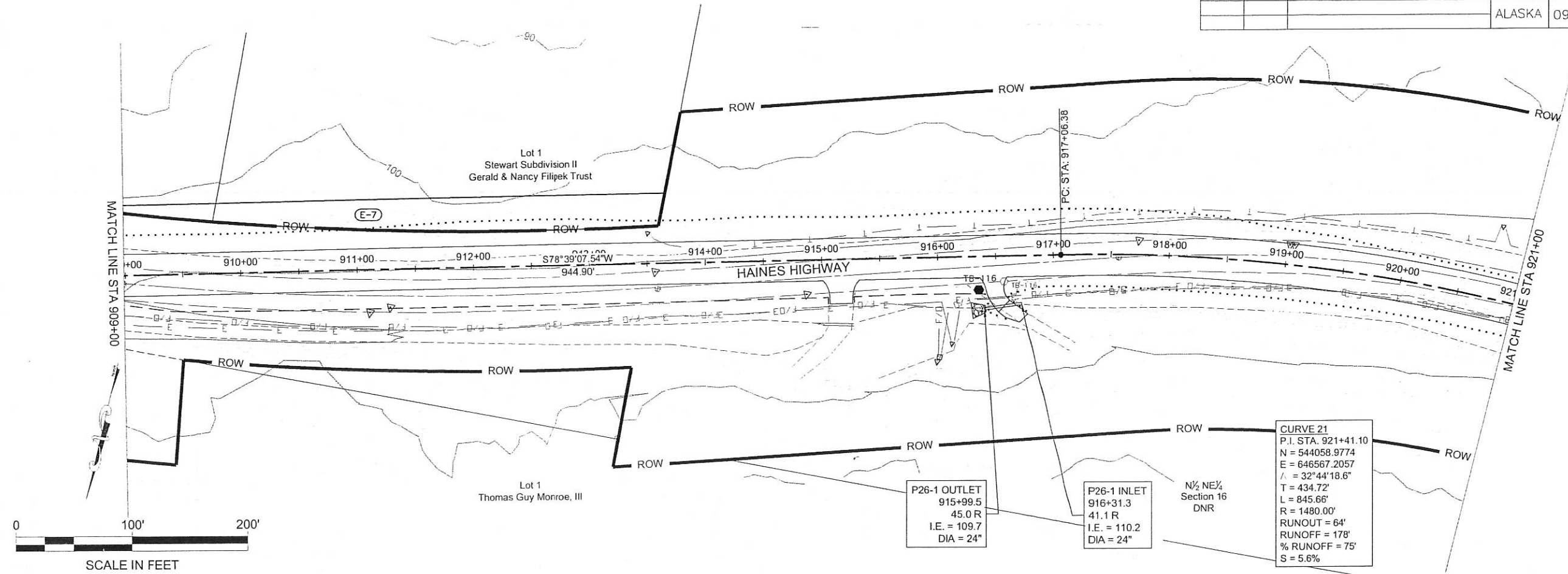
DATE 9/7/2018 16:52 LAYOUT F25 DESIGNED SRT CHECKED NRH DRAFTED CJS
 FILE C:\Civil\3D Projects\2016\24\61850-02\Civil\SC-CT-RD-F-61850.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHWD0171	2018	F25	F50



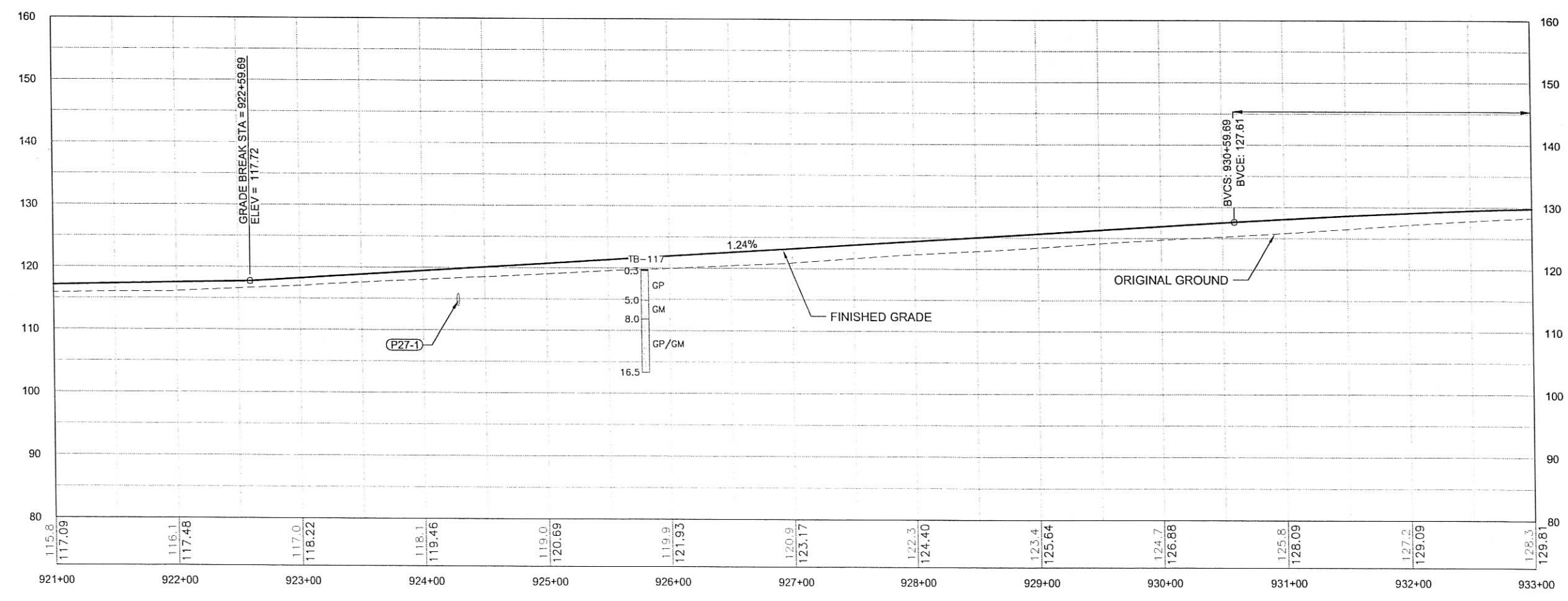
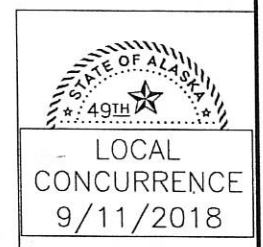
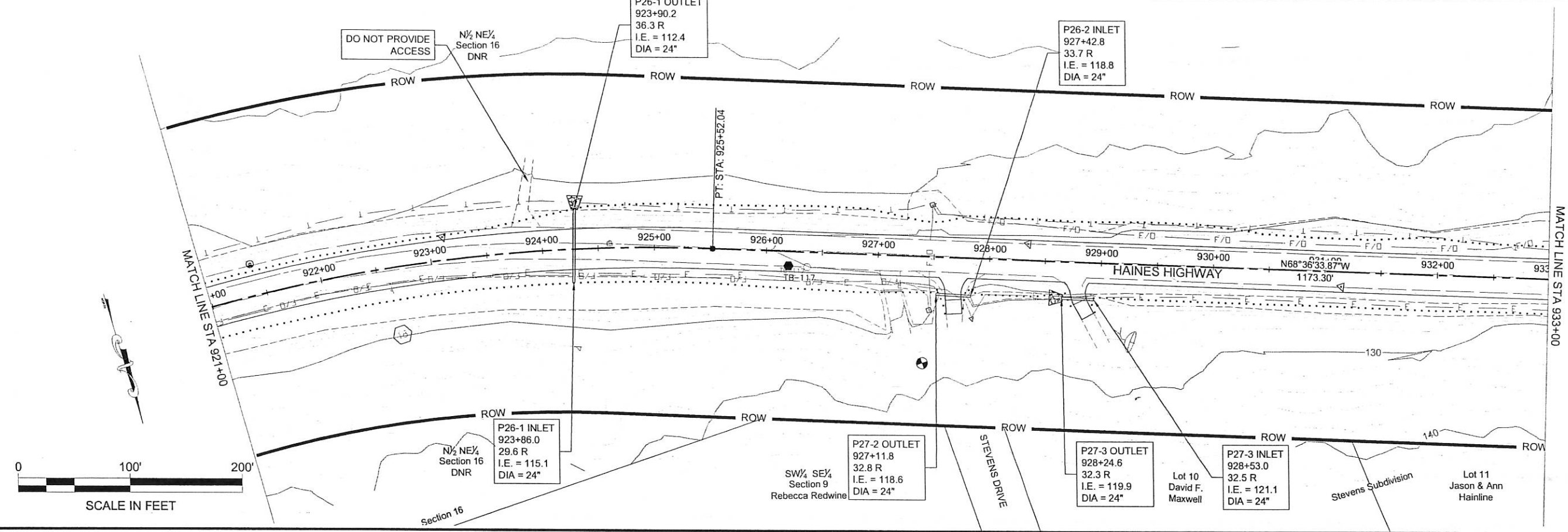
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHWHY00171	2018	F26	F50

FILE: C:\Civ11_3D Projects\2018\24\1850-02\Civ11\SC-CT-RD-F-61850.dwg
 DATE: 9/7/2018 16:32 LAYOUT: F26
 DESIGNED: SRT CHECKED: MPH DRAFTED: CJS
 9/7/2018 16:32 LAYOUT: F26



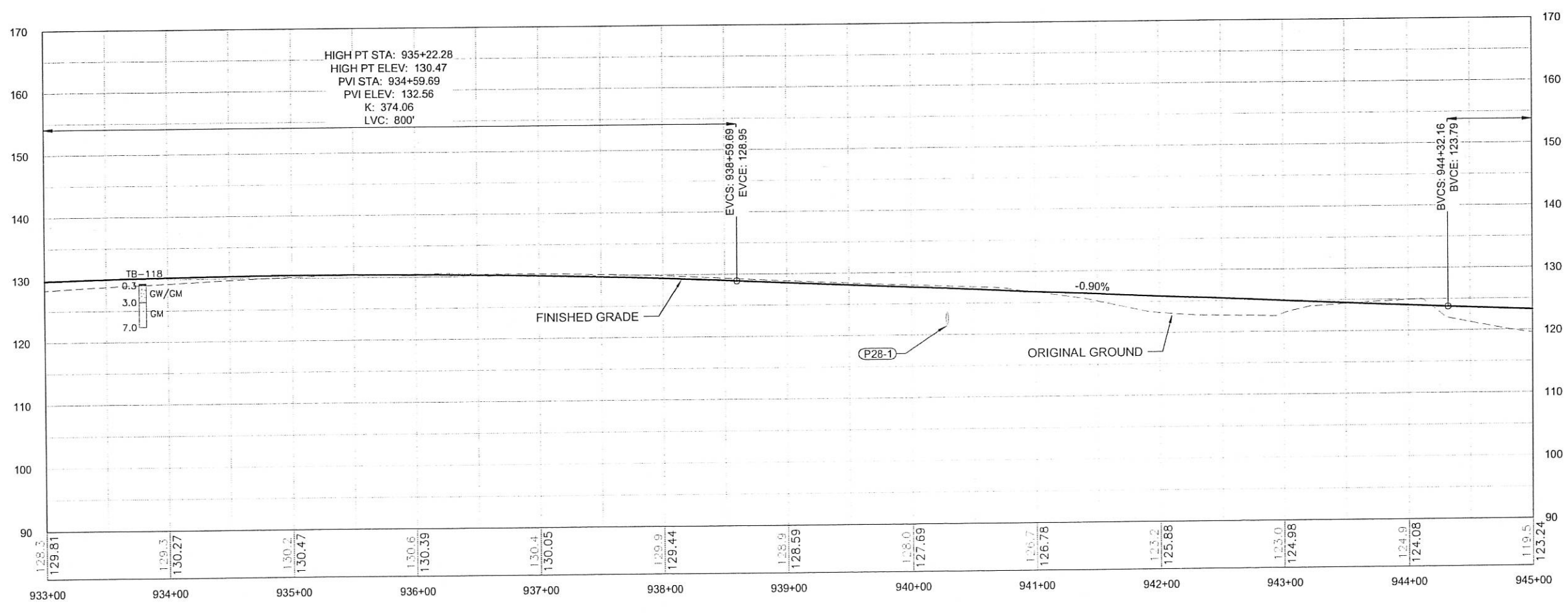
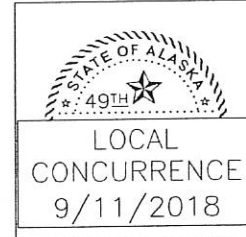
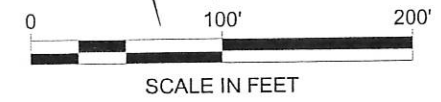
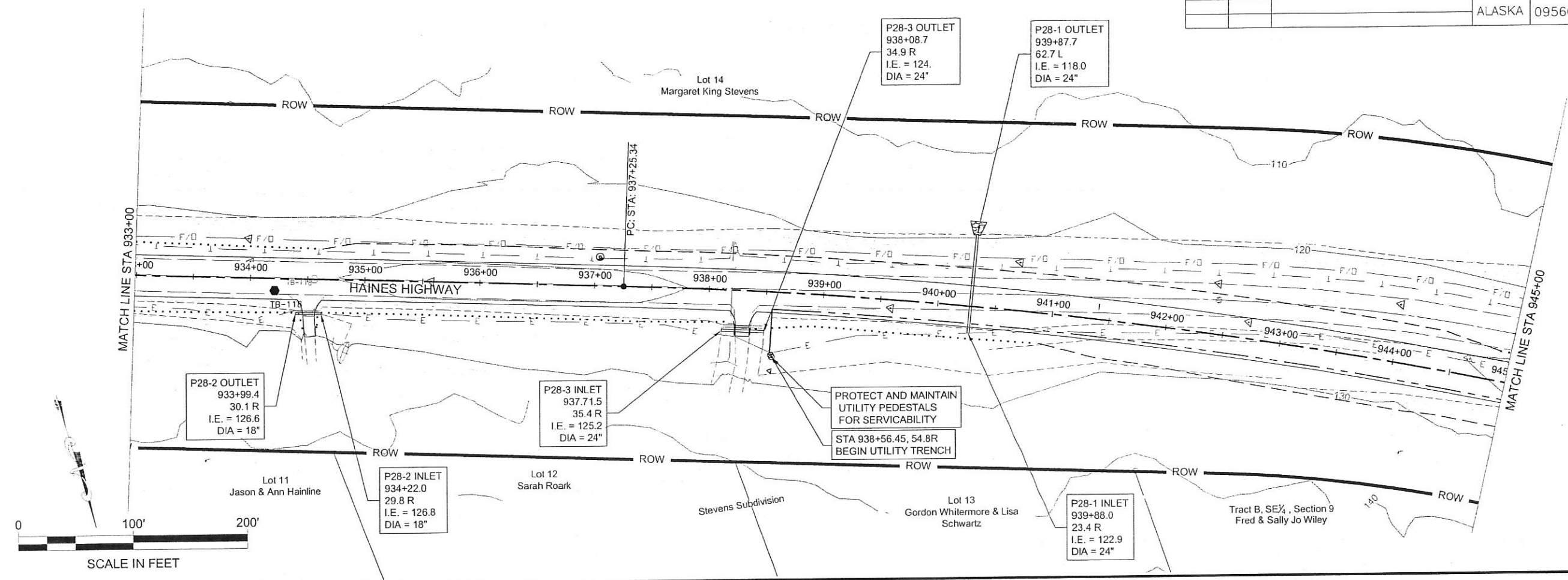
FILE: C:\CIVIL\3D Project\2018\24\1850-02\CIVIL\SC-CT-RD-F-61850.dwg
 DATE: 9/7/2018 16:52 LAYOUT: F27 DESIGNED: SRT CHECKED: NRH DRAFTED: CJS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHWY00171	2018	F27	F50



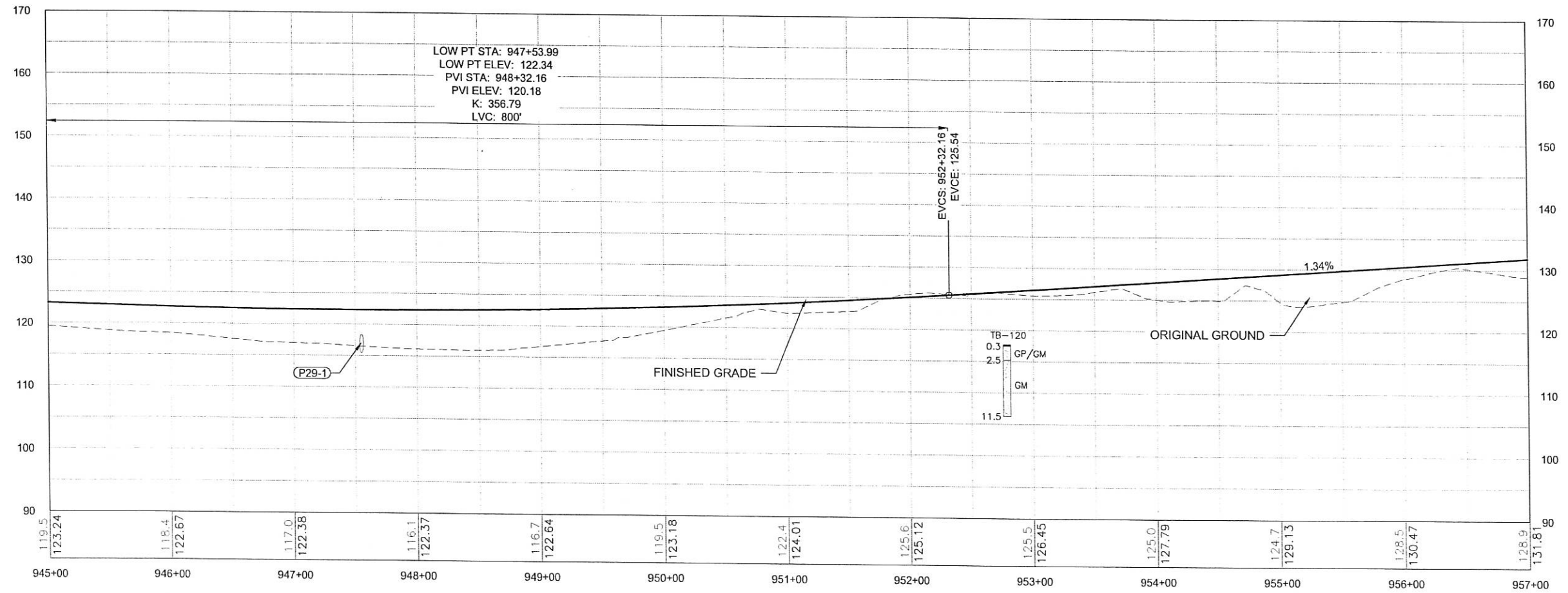
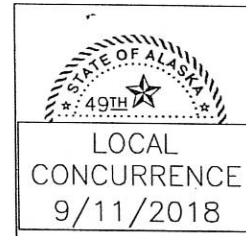
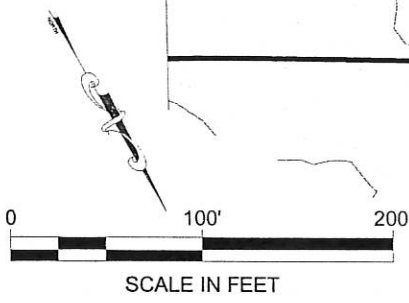
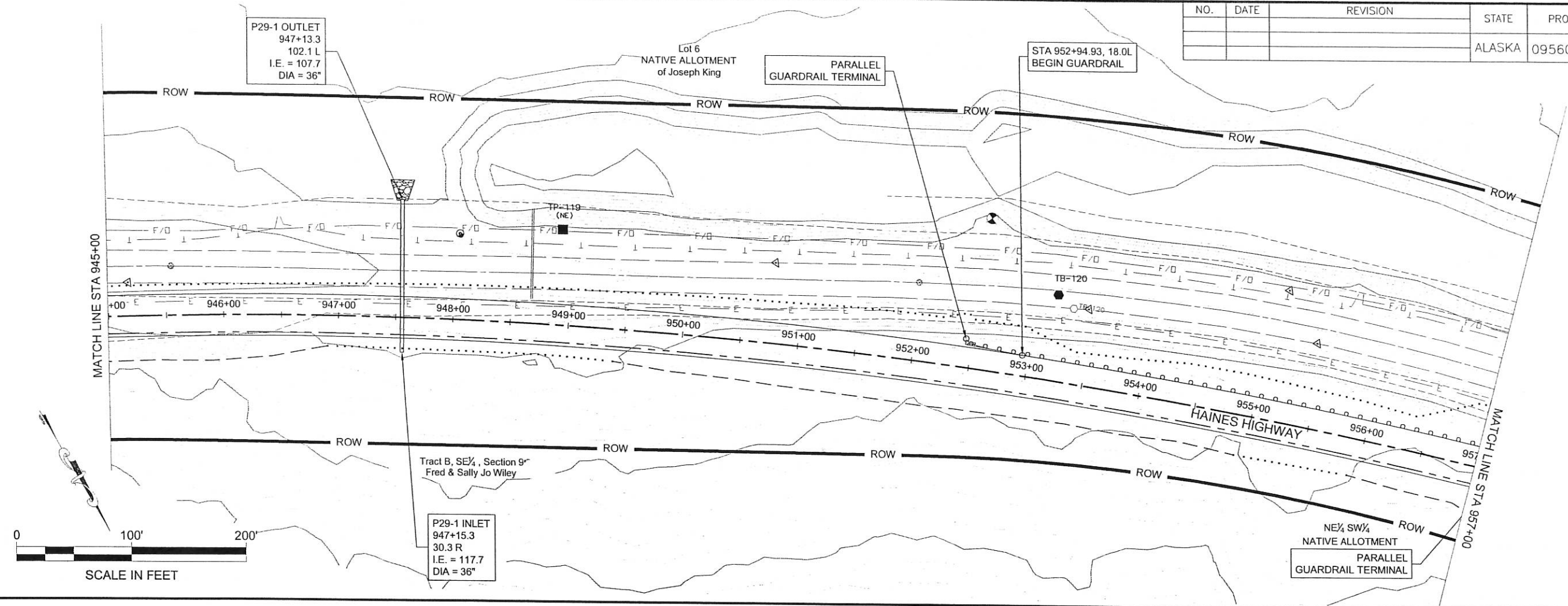
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHXY00171	2018	F28	F50

FILE: C:\Civil\3D\Projects\2016\24\61850-02\Civil\SC-CT-RD-F-61850.dwg
 DATE: 9/7/2018 16:52 LAYOUT: F28
 DESIGNED: SRT CHECKED: NRH DRAFTED: CJS



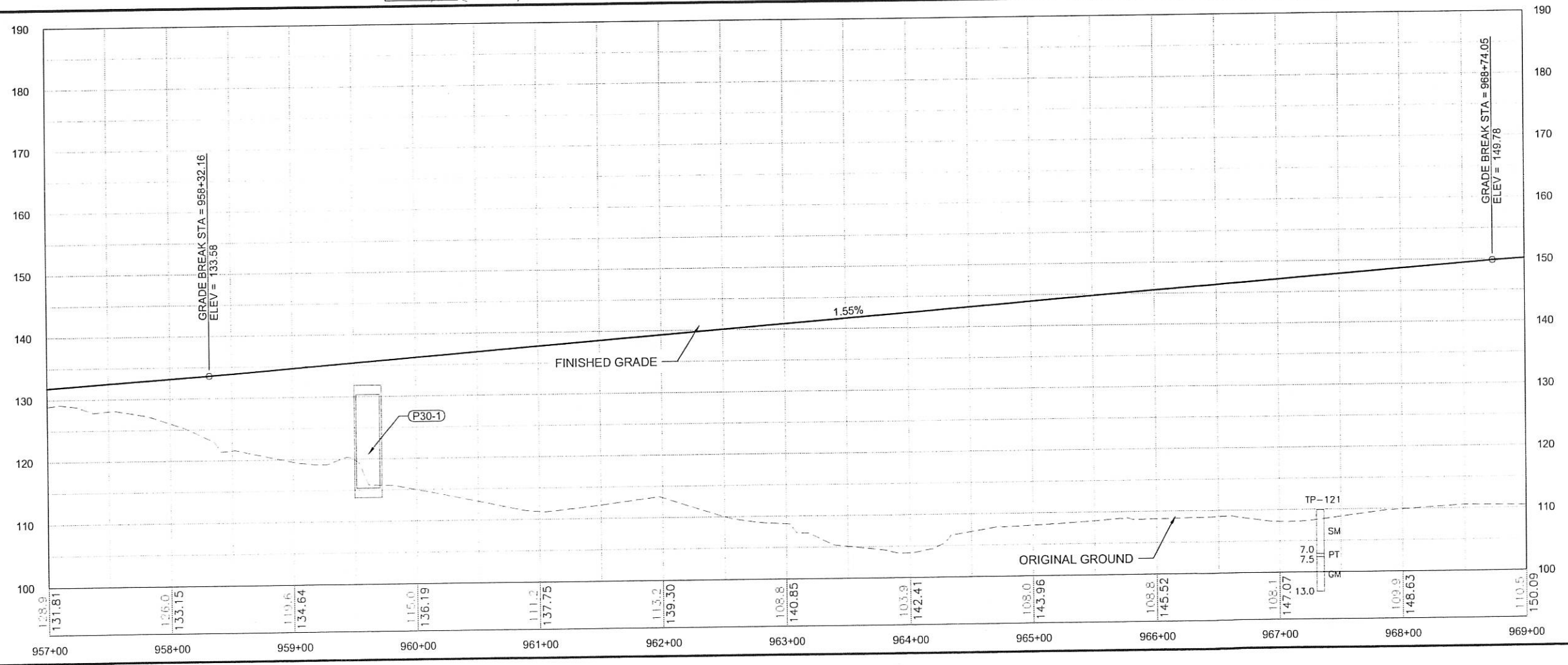
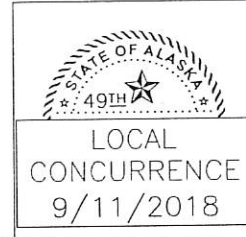
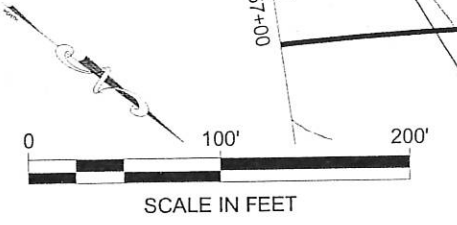
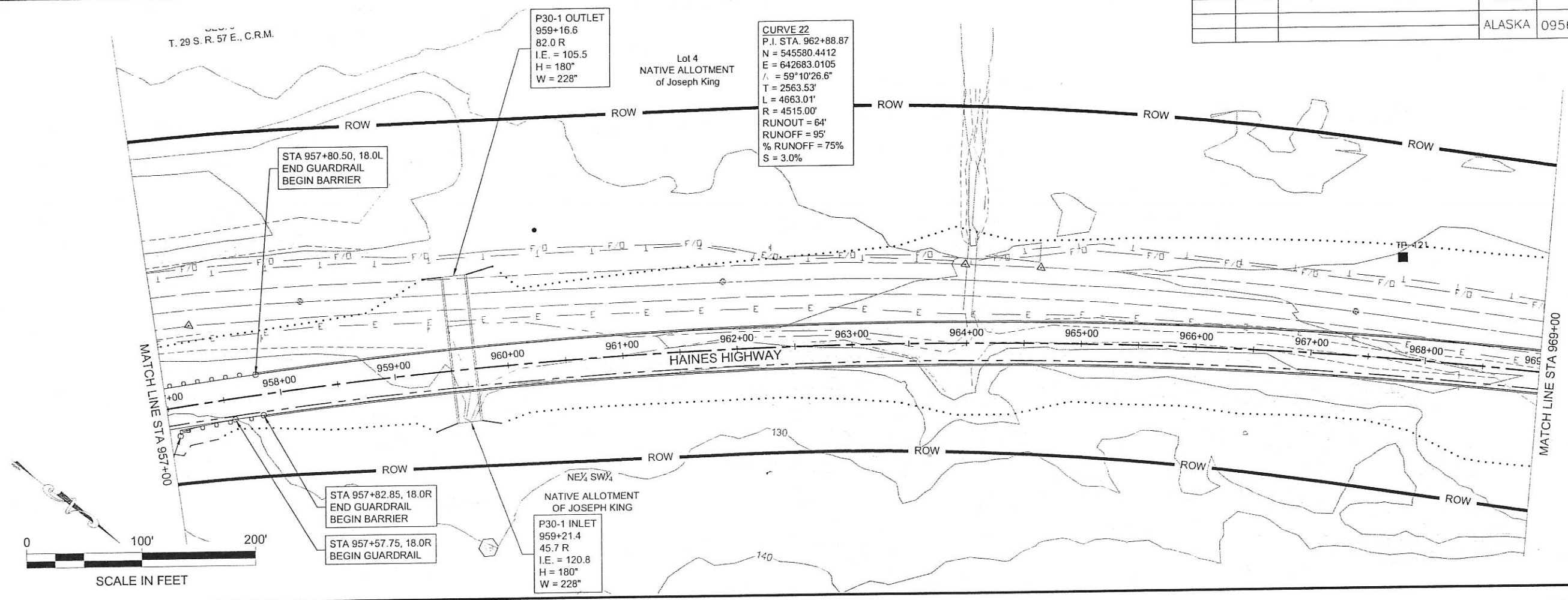
FILE: C:\Civil\3D Projects\2016\24161850-02\Civil\SC-CT-RD-F-61850.dwg
 DATE: 9/7/2018 16:52 LAYOUT: F29 DESIGNED: SRT CHECKED: NRH DRAFTED: CJS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHwy00171	2018	F29	F50



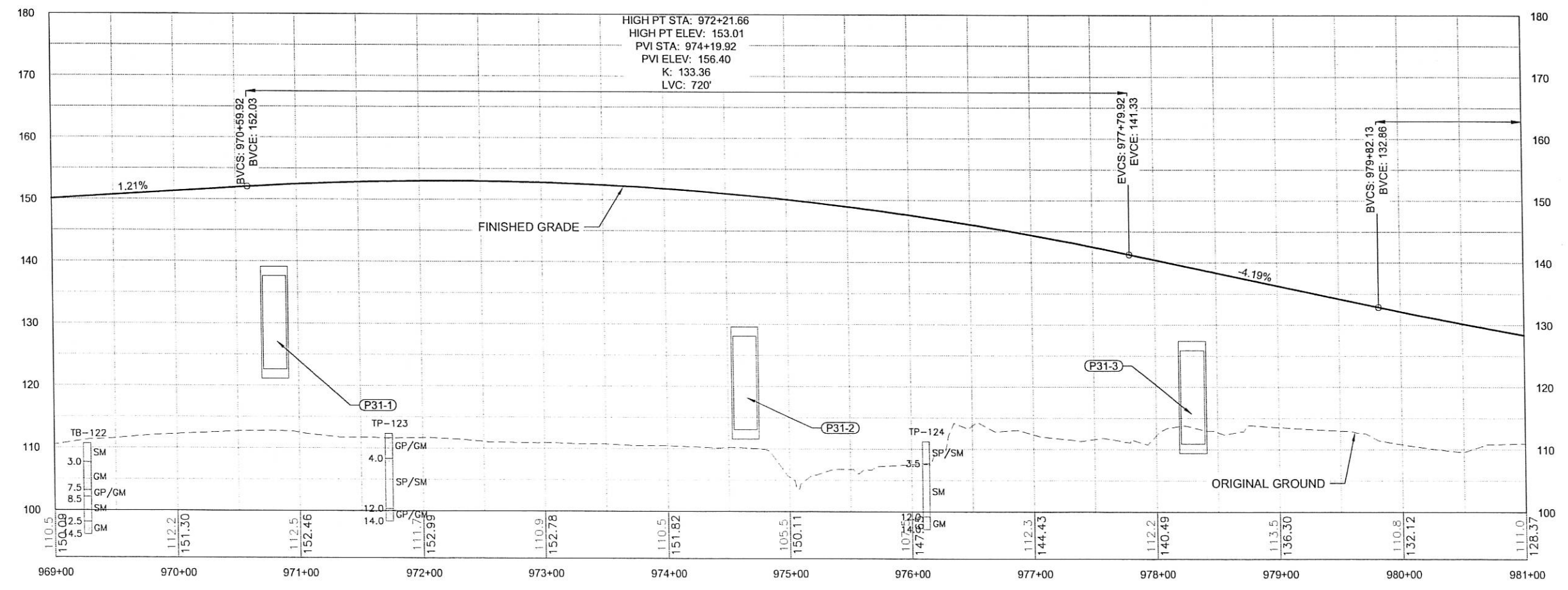
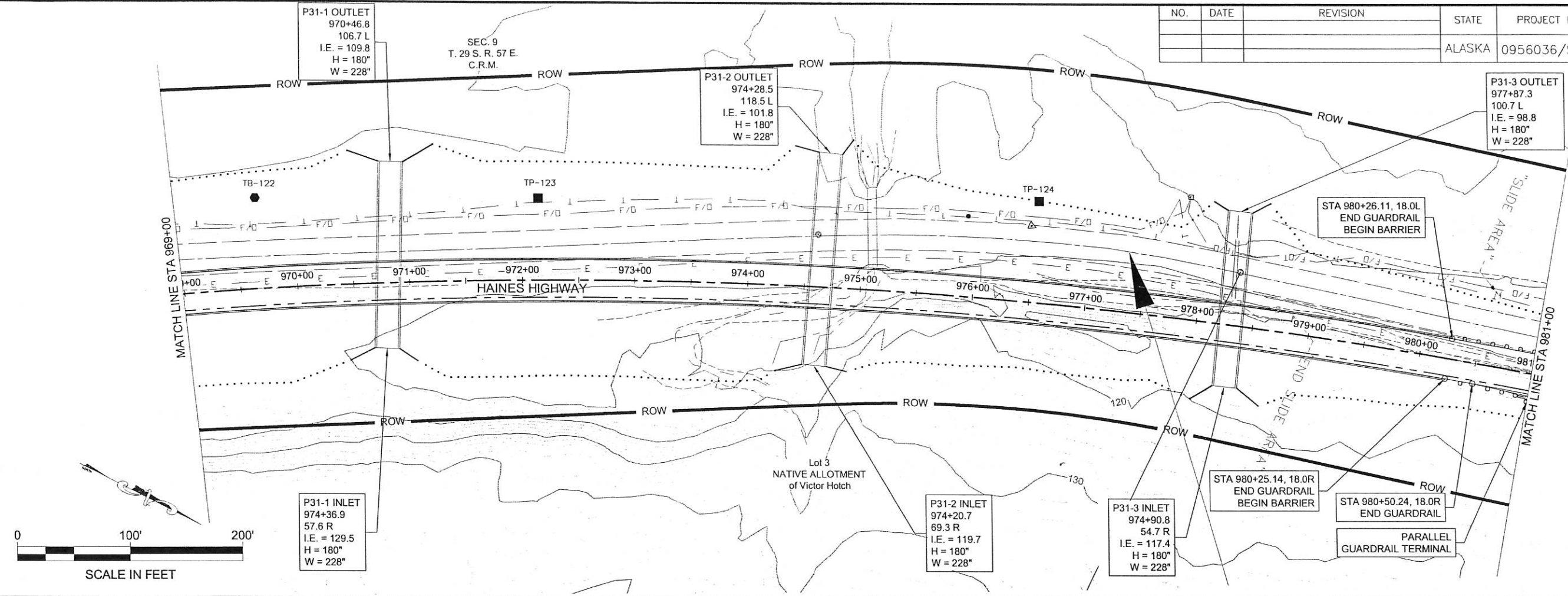
FILE: C:\Civil\3D Projects\2016\161850-02\Civil\SC-CT-RD-F-61850.dwg
 DATE: 9/7/2018 16:52 LAYOUT: F30 DESIGNED: SRT CHECKED: NRH DRAFTED: CJS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHwy00171	2018	F30	F50



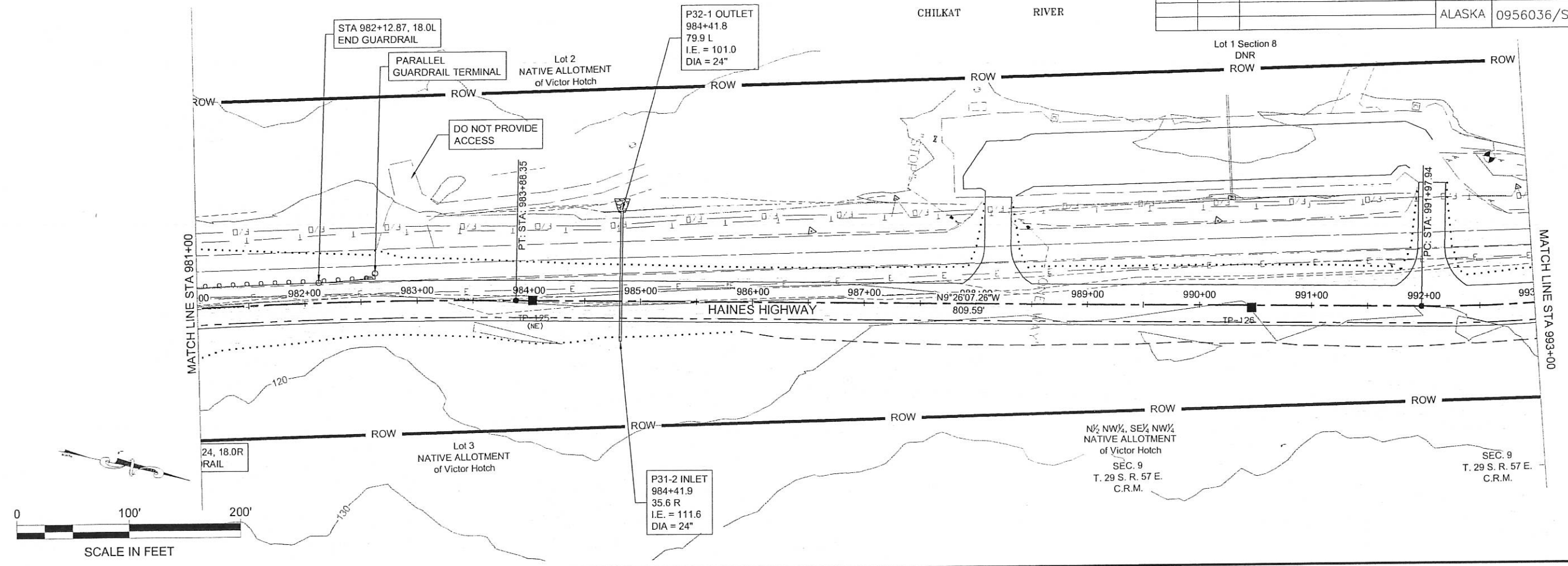
FILE C:\Civ11 3D Projects\2016\2A\81850-02\Civ11\SC-CT-RD-F-61850.dwg DATE 9/7/2018 16:52 LAYOUT F31 DESTIONED SRT CHECKED NRH DRAFTED CJS


NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHWO0171	2018	F31	F50

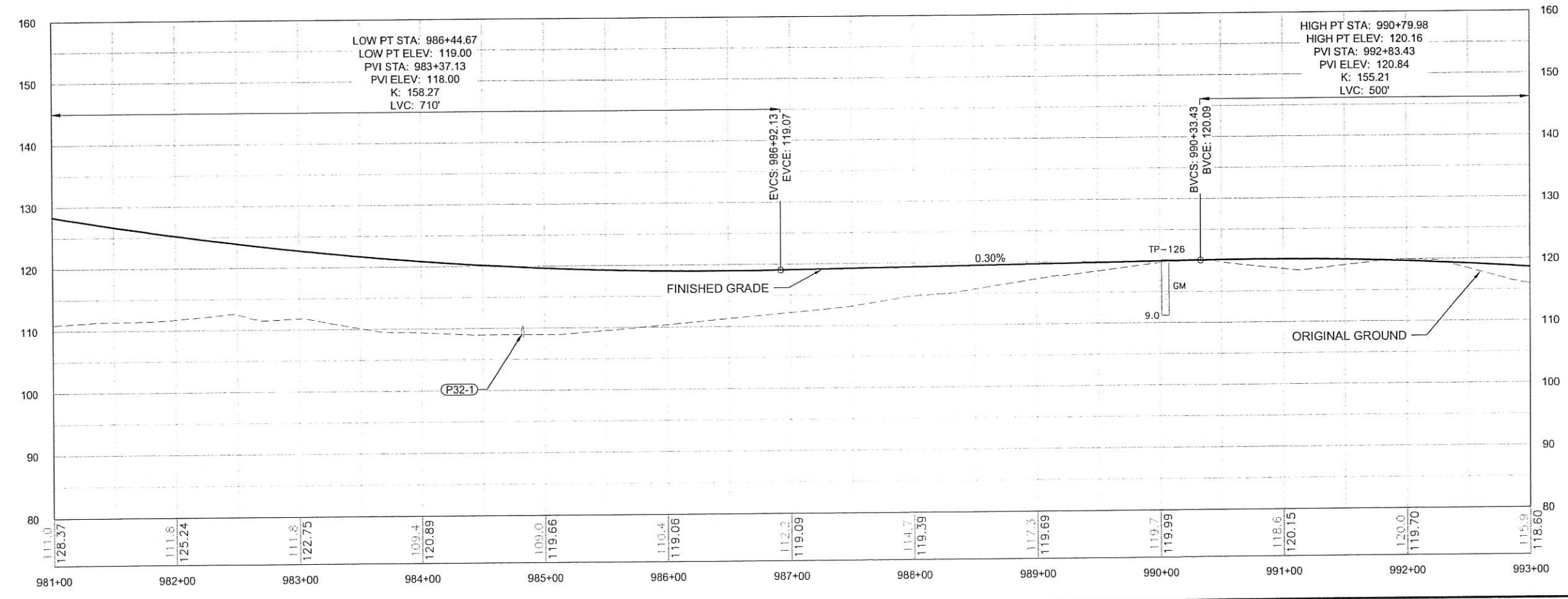


NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHWHY00171	2018	F32	F50

FILE C:\CIVIL\3D Projects\2018\24\61850-02\Civil\SC-CT-RD-F-61850.dwg
 DATE 9/7/2018 16:52 LAYOUT F32
 DESIGNED SRT CHECKED MPH DRAFTED CJS

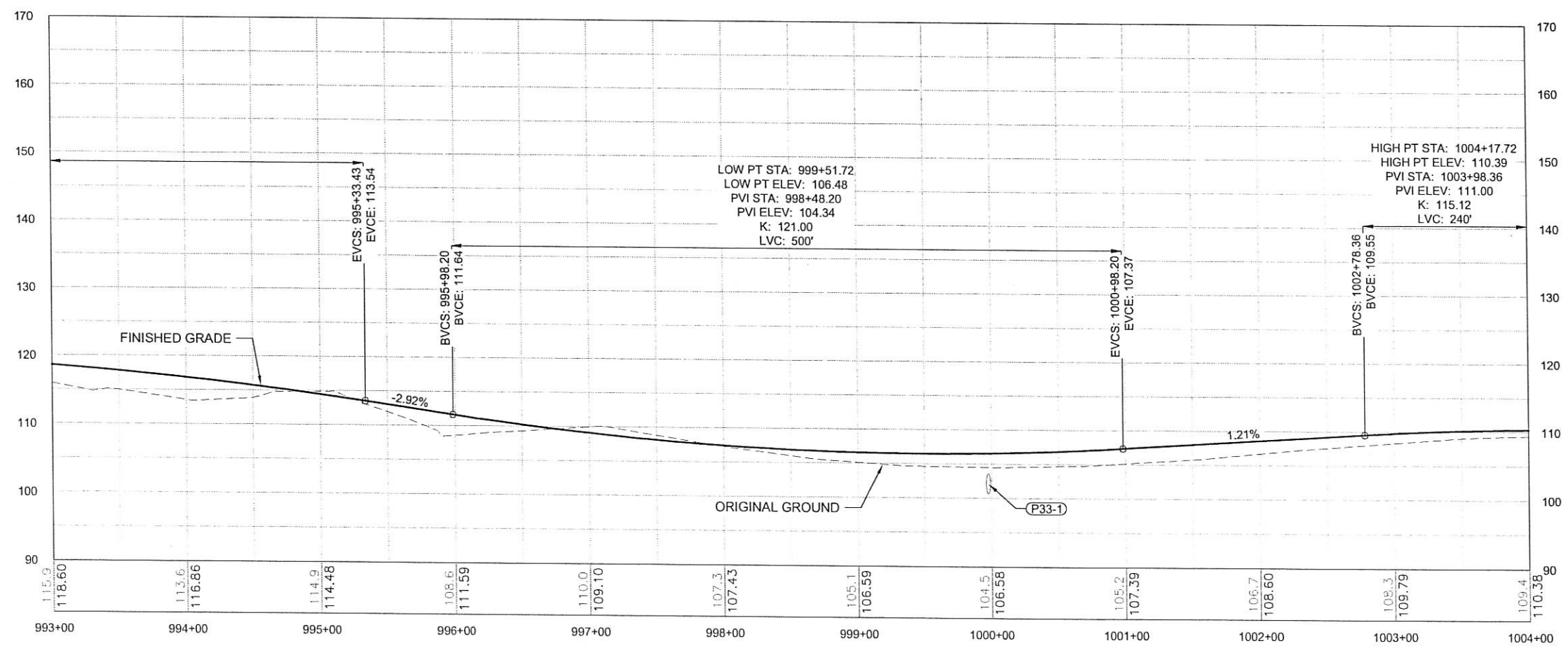
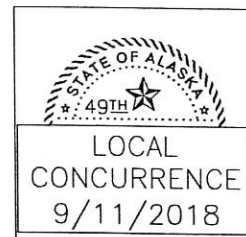
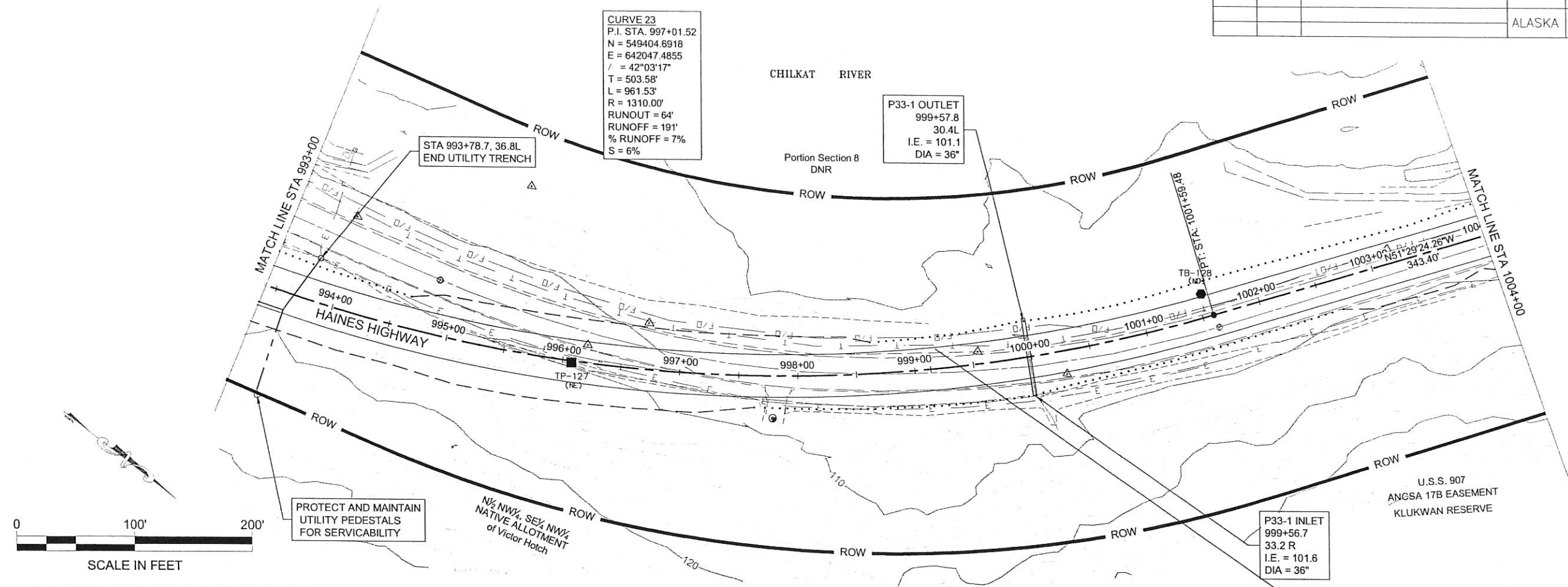



 LOCAL CONCURRENCE
 9/11/2018



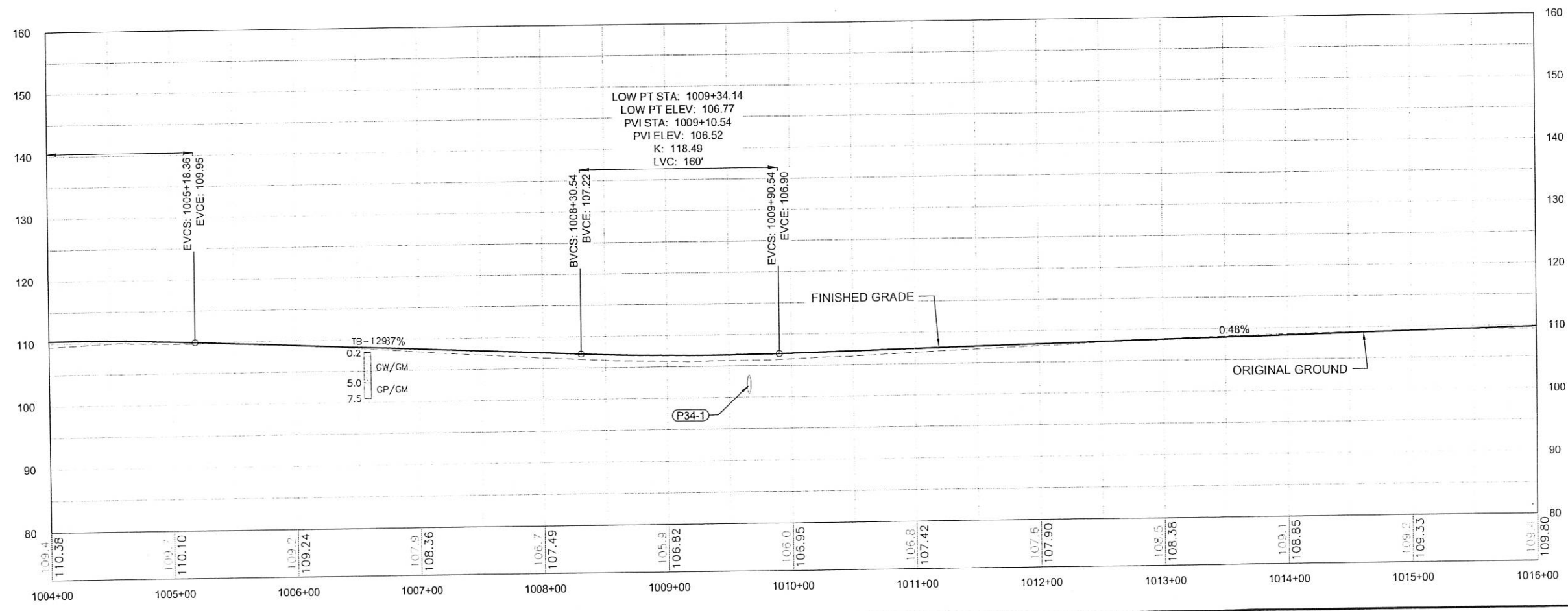
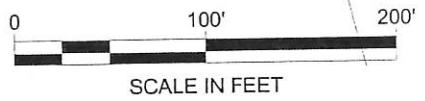
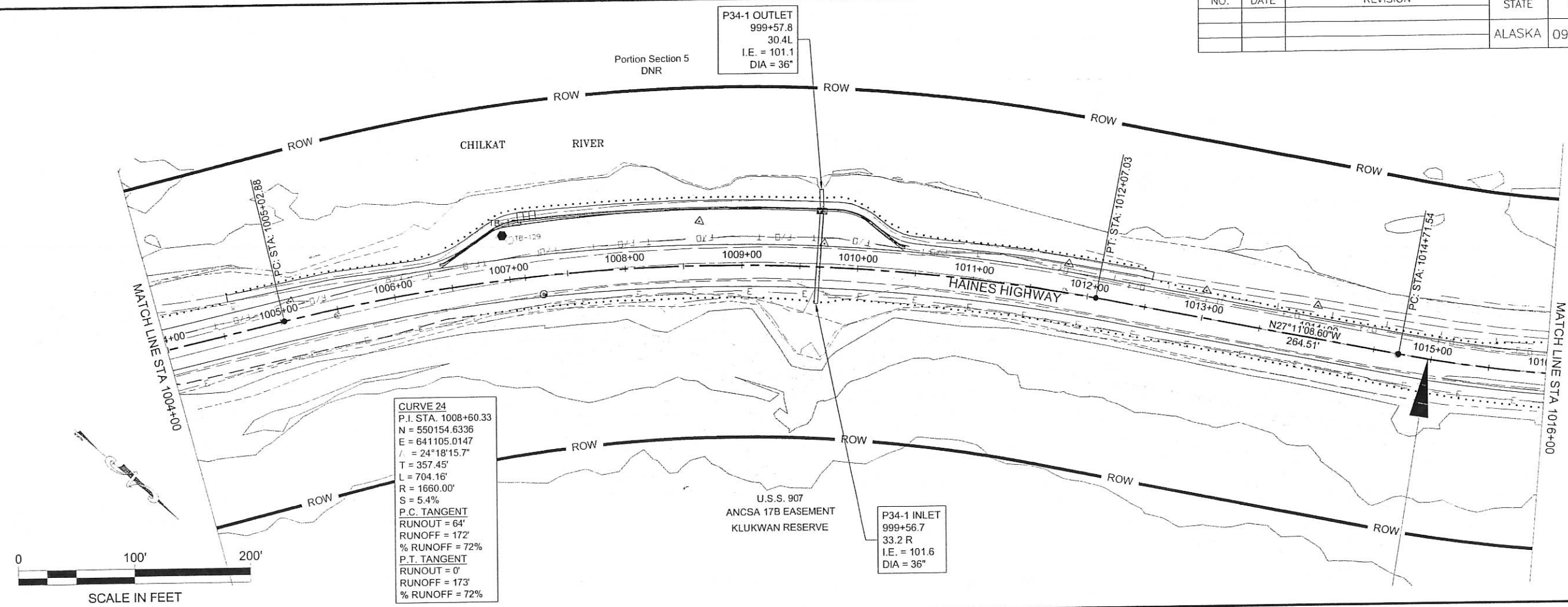
CJS
DRAFTED
NRH
CHECKED
SRT
DESIGNED
F33
LAYOUT
16:52
9/7/2018
DATE
F-61850.dwg
C:\Civil\3D Projects\2016\24\61850-02\Civil\SC-CT-RD-F-61850.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHWY00171	2018	F33	F50



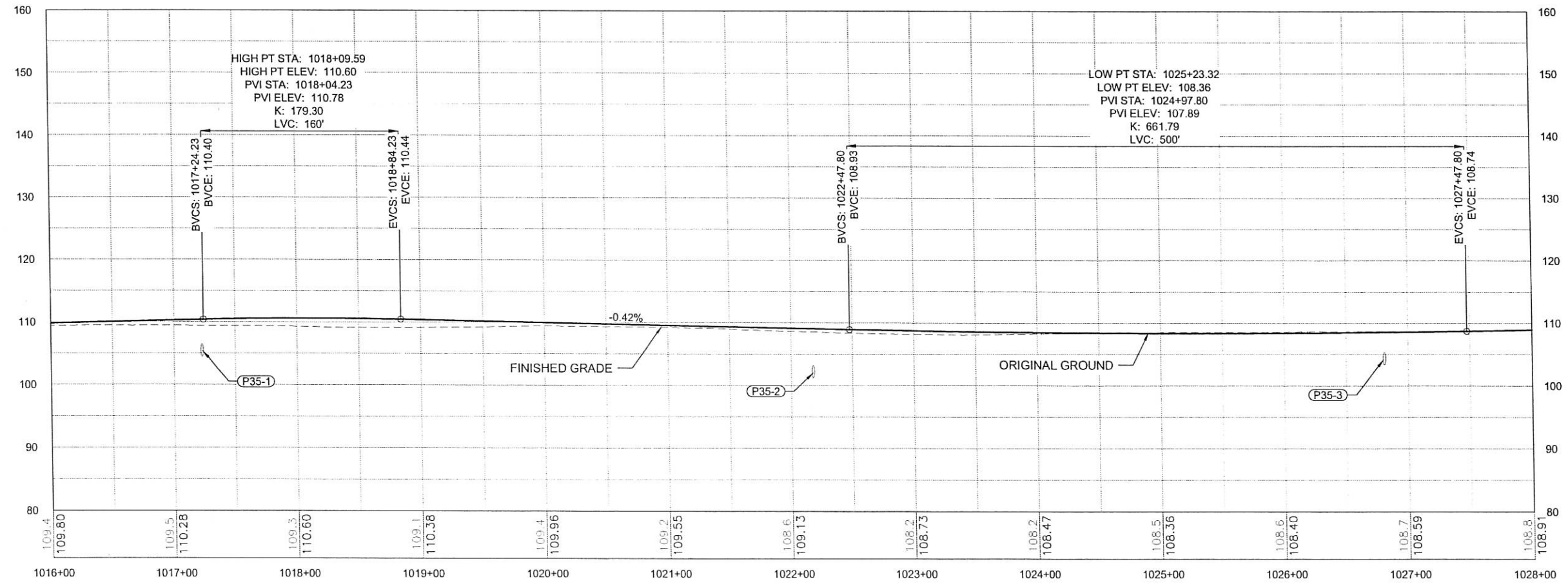
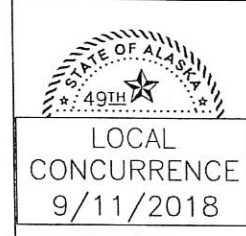
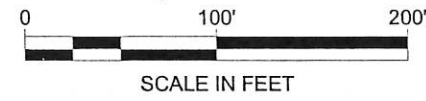
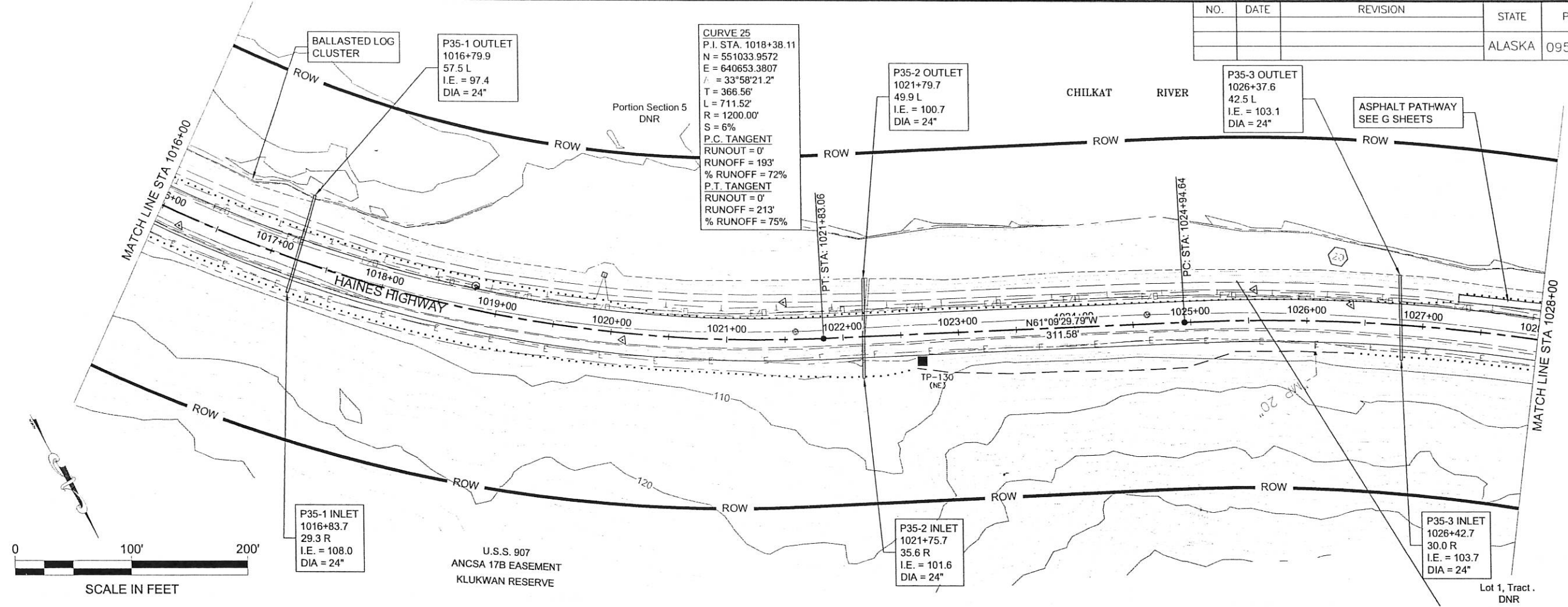
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHwy00171	2018	F34	F50

FILE: C:\Civil1_3D\Projects\2016\161850-02\Civil1\SC-CT-RO-F-61850.dwg
 DATE: 9/7/2018 16:52 LAYOUT: F34
 DESIGNED: SRT CHECKED: NRH DRAFTED: CJS



C:\NCIV\1_3D Projects\2016\24\61850-02\Civil\50-CT-RD-F-61850.dwg DATE 9/7/2018 16:52 LAYOUT F35 DESIGNED SRT CHECKED NRH DRAFTED CJS

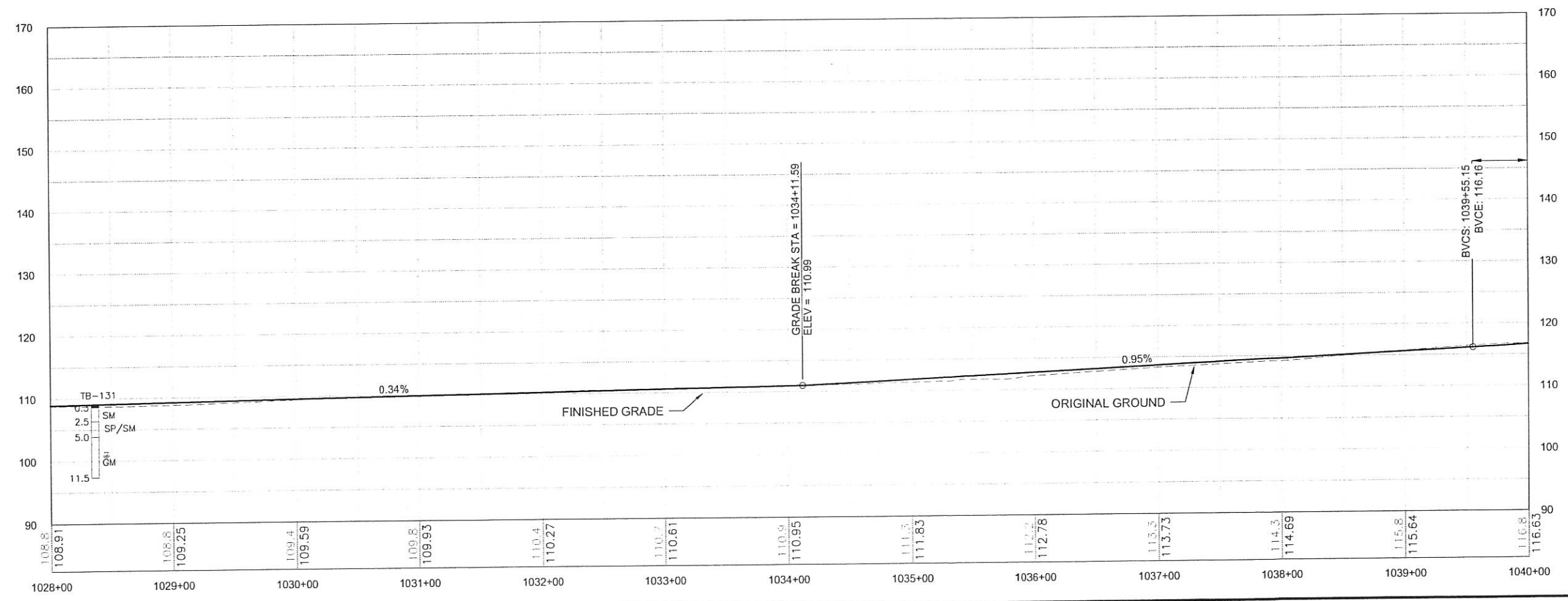
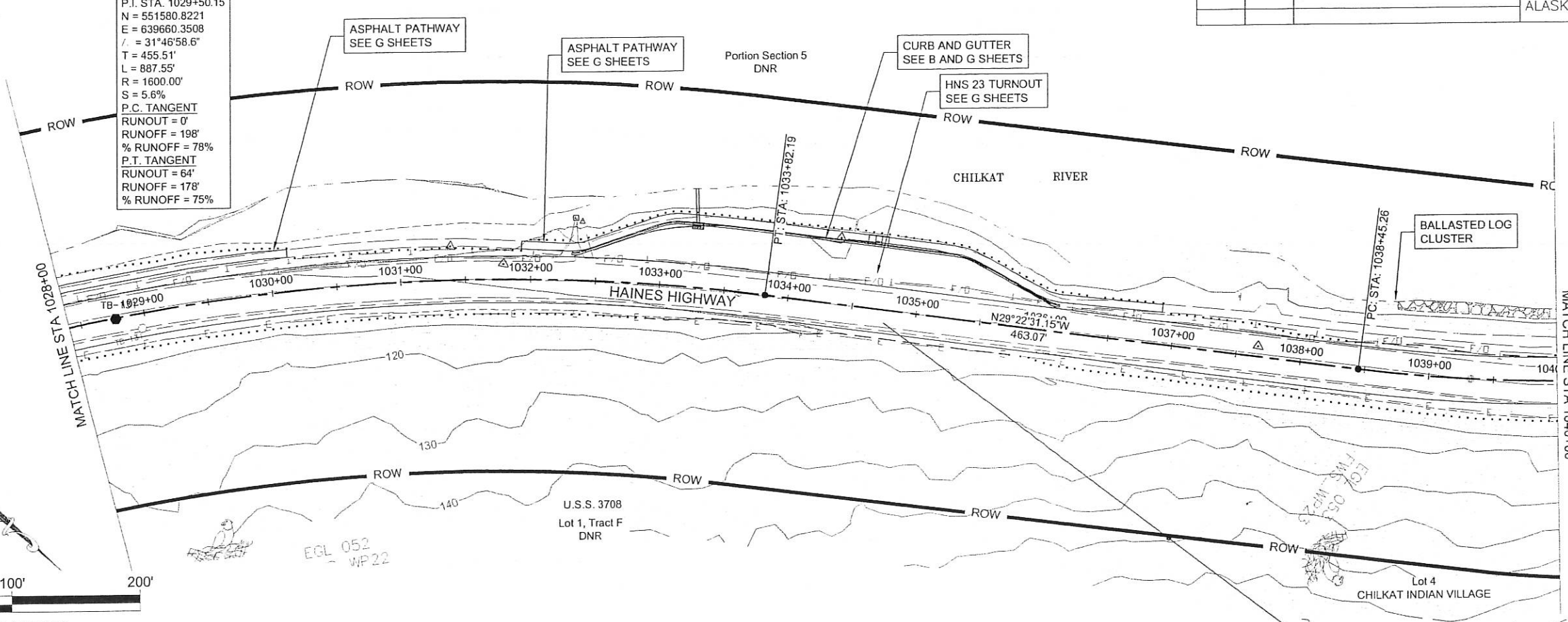
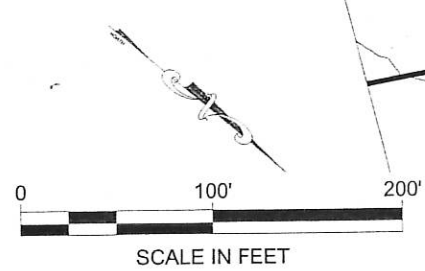
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHwy00171	2018	F35	F50



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHWHY00171	2018	F36	F50

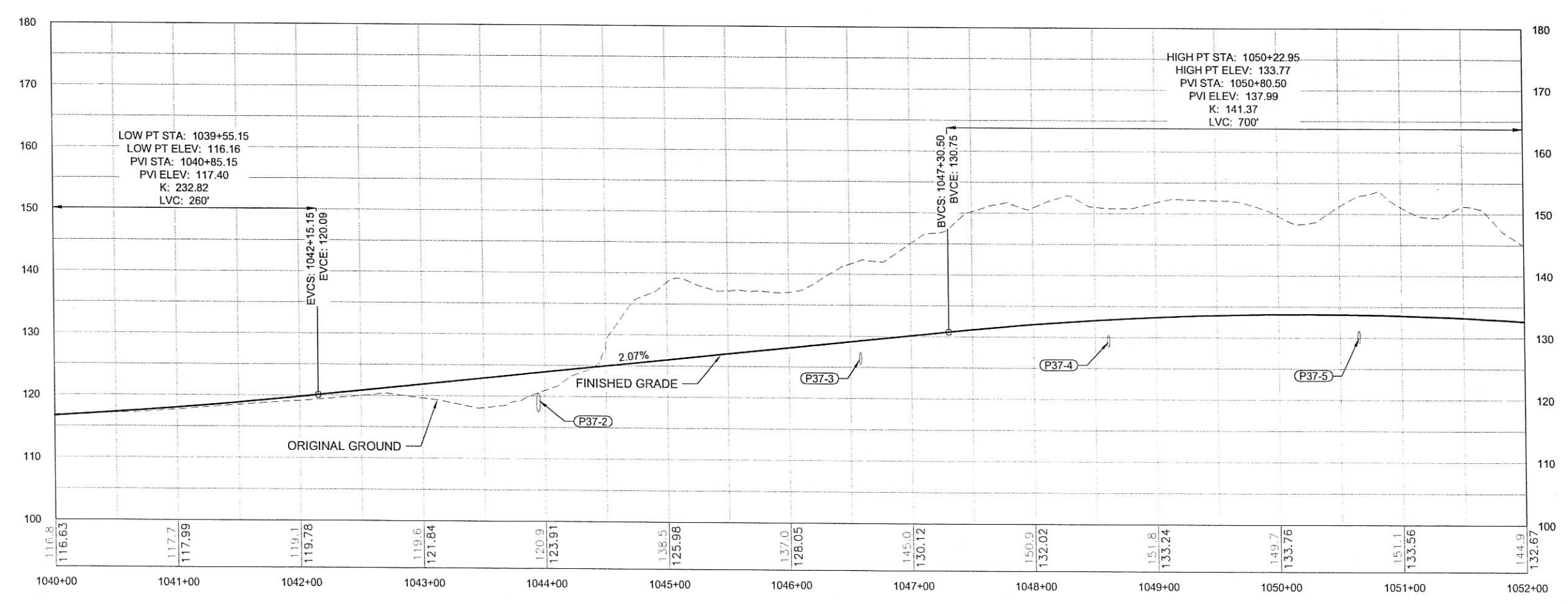
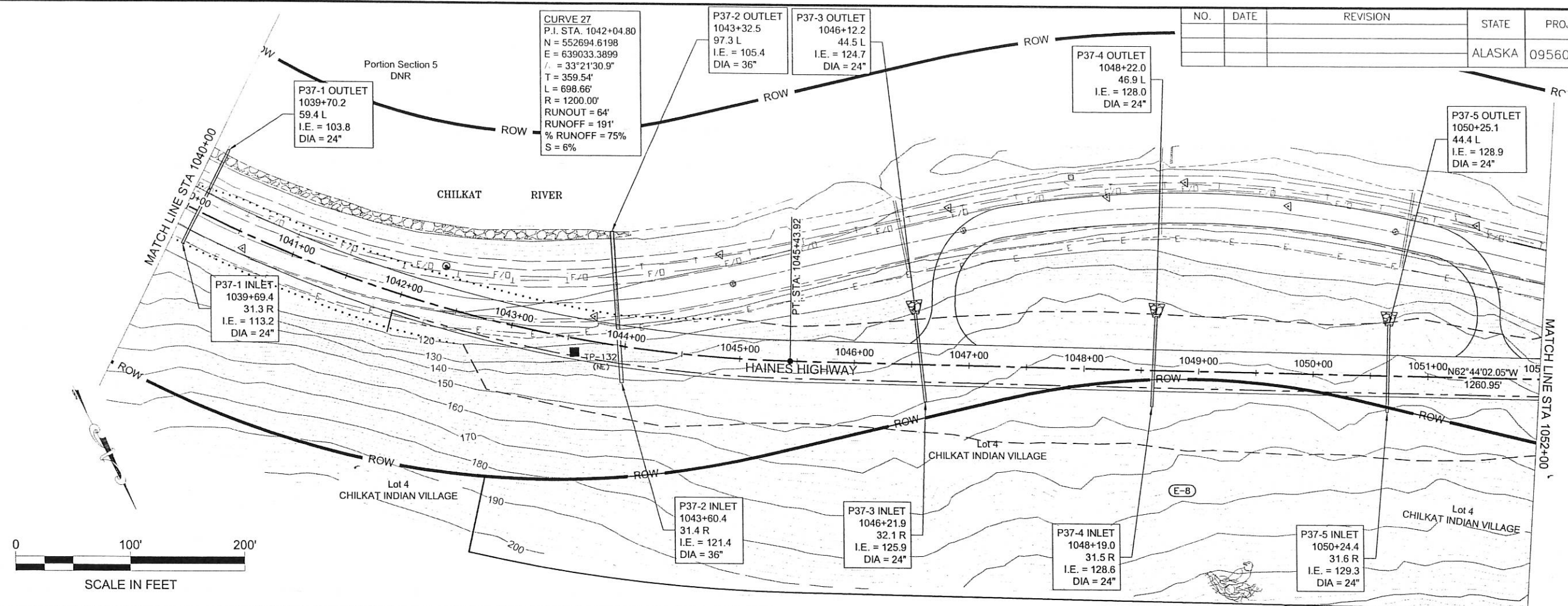
FILE C:\civ11_30\Projects\2018\21850-02\Civil\SC-CT-RD-F-61850.dwg
 DATE 9/7/2018 16:52 LAYOUT F36
 DESIGNED SRT CHECKED NRH DRAFTED CJS

CURVE 26
 P.I. STA. 1029+50.15
 N = 551580.8221
 E = 639660.3508
 $I = 31^{\circ}46'58.6''$
 T = 455.51'
 L = 887.55'
 R = 1600.00'
 S = 5.6%
P.C. TANGENT
 RUNOUT = 0'
 RUNOFF = 198'
 % RUNOFF = 78%
P.T. TANGENT
 RUNOUT = 64'
 RUNOFF = 178'
 % RUNOFF = 75%



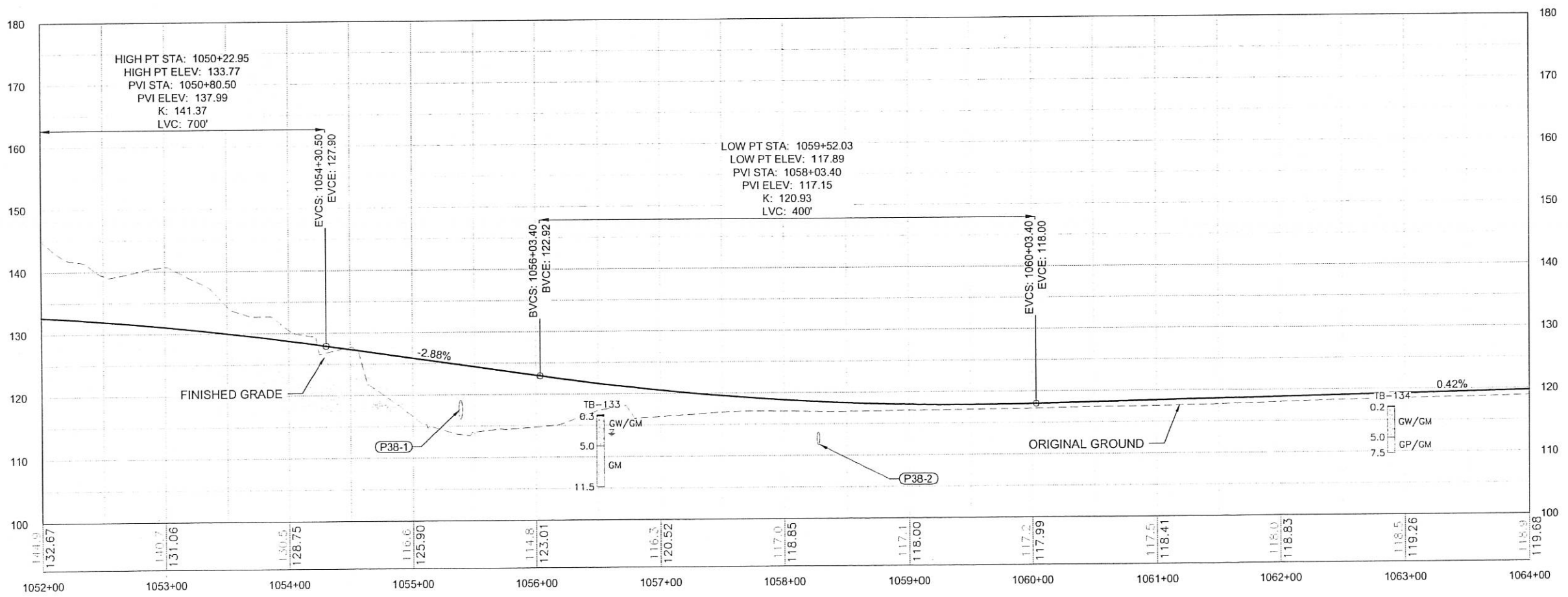
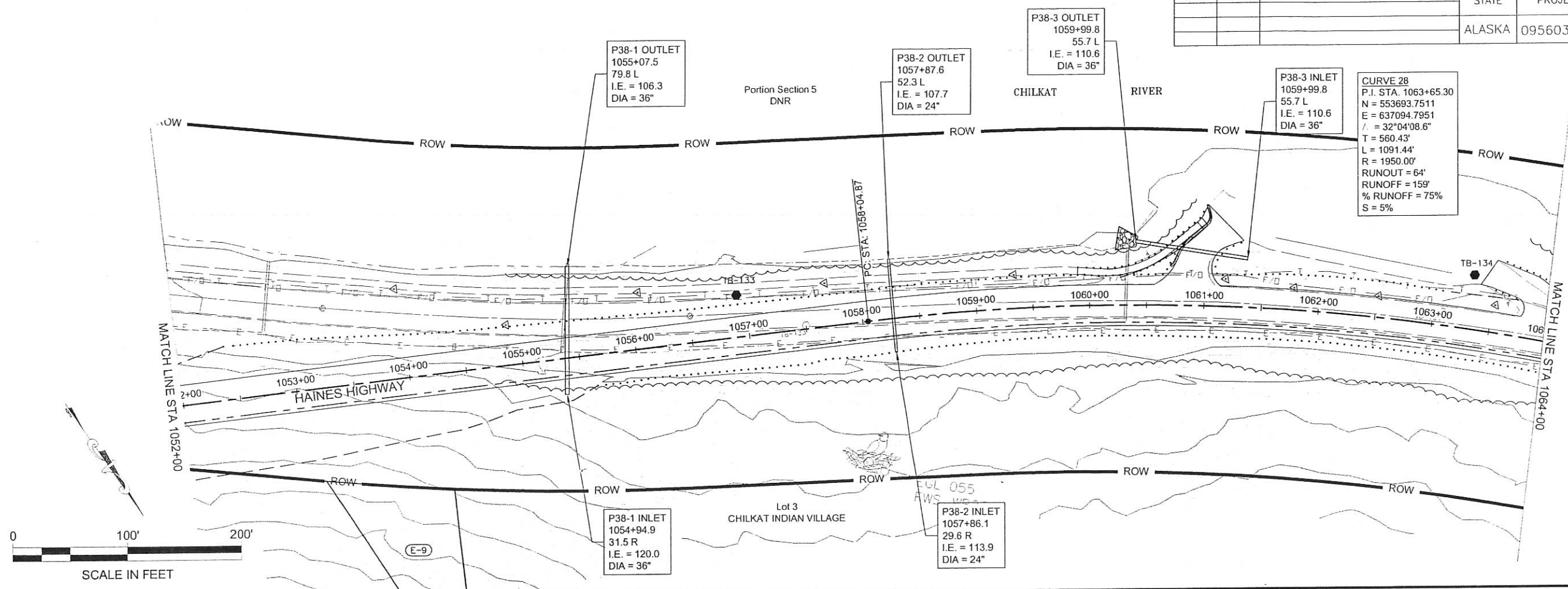
CJS
DRAFTED
NRH
CHECKED
SRT
DESIGNED
F37
LAYOUT
18:52
DATE
9/7/2018
FILE
C:\civil\3D\Projects\2016\24\1850-02\Civil\SC-CT-RD-F-61860.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHUY00171	2018	F37	F50



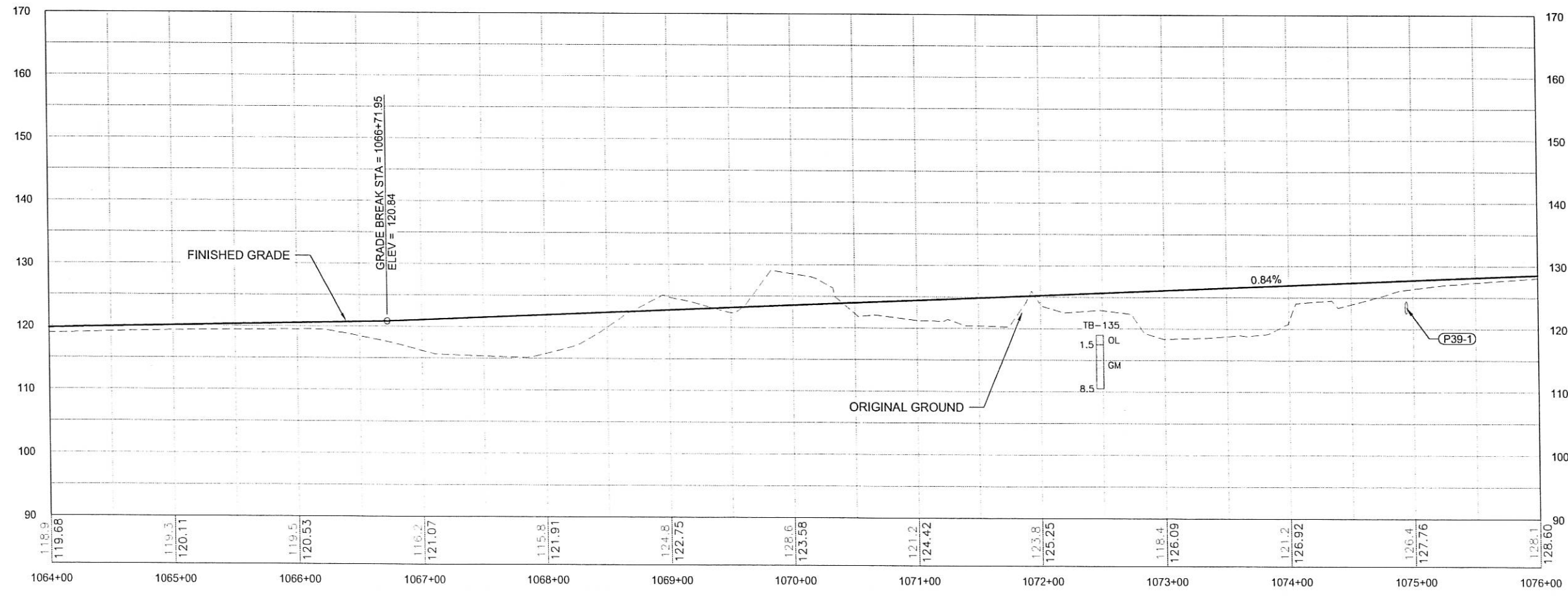
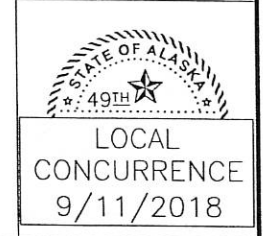
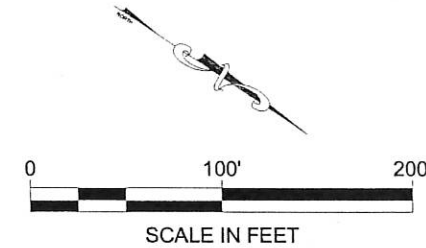
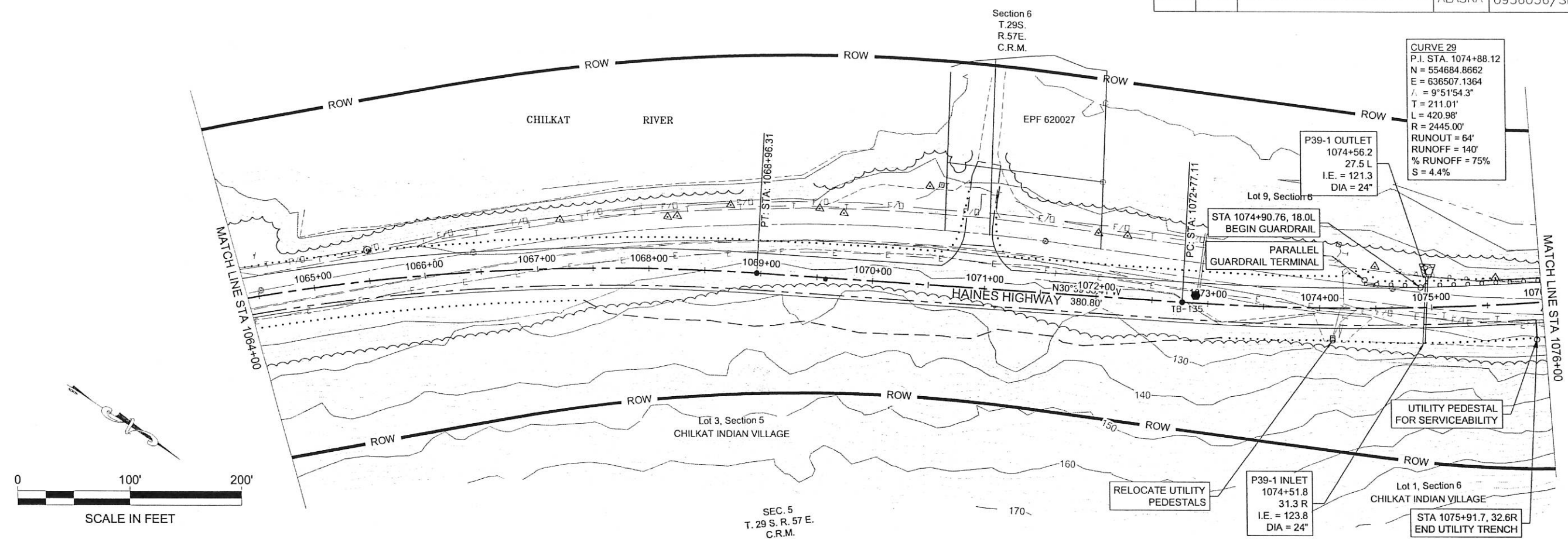
FILE: C:\civ\11_30 Projects\2016\2A\1850-02\CIV\11\SC-C1-RD-F-61850.dwg DATE: 9/7/2018 16:52 LAYOUT: F38 DESIGNED: SRT CHECKED: NRH DRAFTED: CJS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHwy00171	2018	F38	F50



FILE C:\Civil\3D\Projects\2016\2A\61850-02\Civil\SC-CT-RD-F-61850.dwg
 DATE 9/7/2018 16:52 LAYOUT F39
 DESIGNED SRT CHECKED NRH DRAFTED CJS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHwy00171	2018	F39	F50



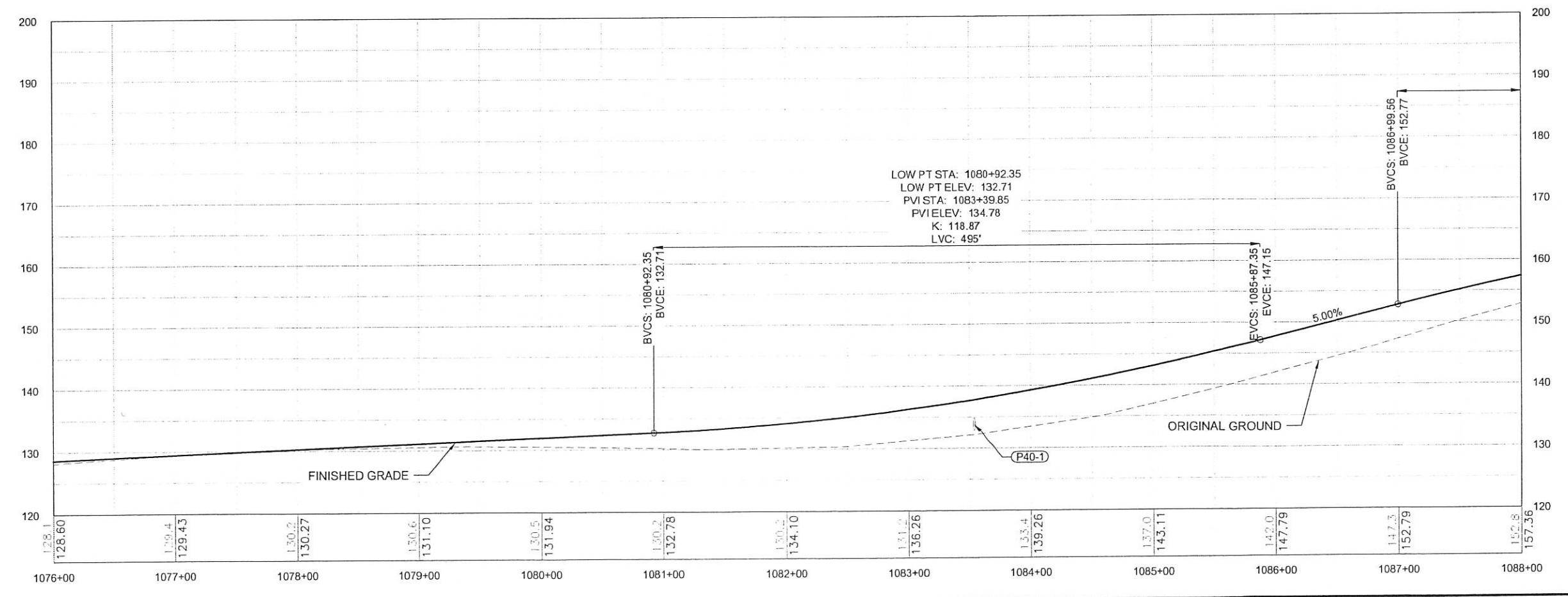
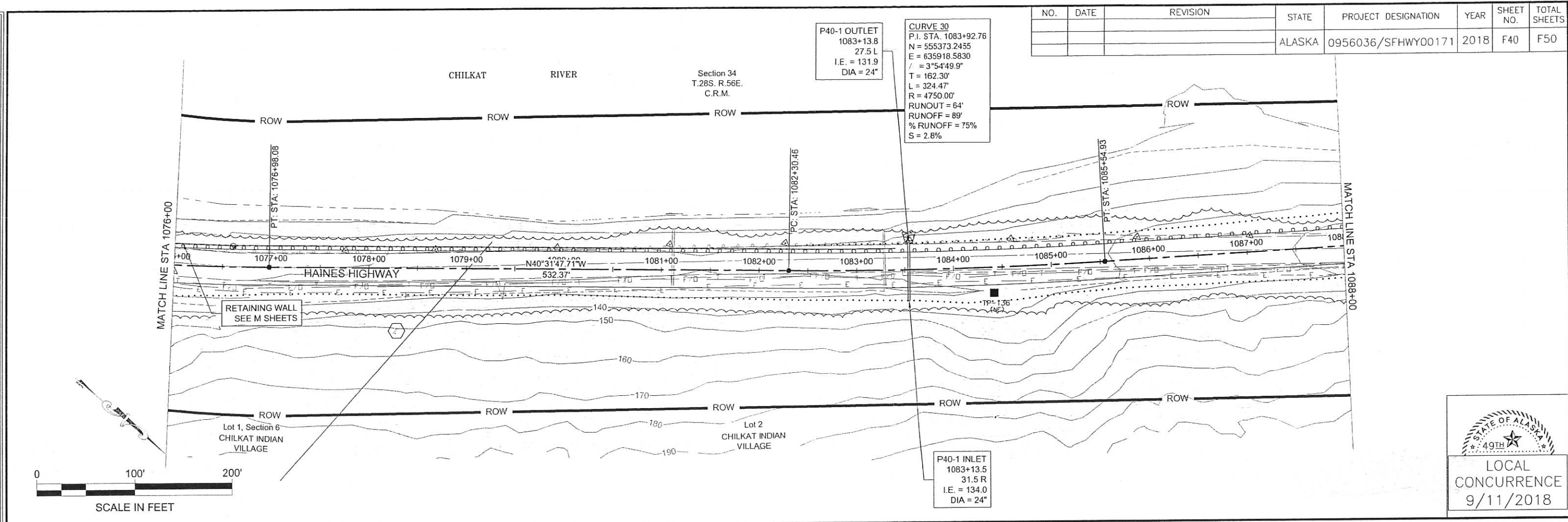
FILE: C:\civil\3D Projects\2016\2A\61850-02\Civil\SC-C1-RD-F-61850.dwg DATE: 9/7/2018 16:52 LAYOUT: F40 DESIGNED: SRT CHECKED: NRH DRAFTED: CJS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHWHY00171	2018	F40	F50

P40-1 OUTLET
1083+13.8
27.5 L
I.E. = 131.9
DIA = 24"

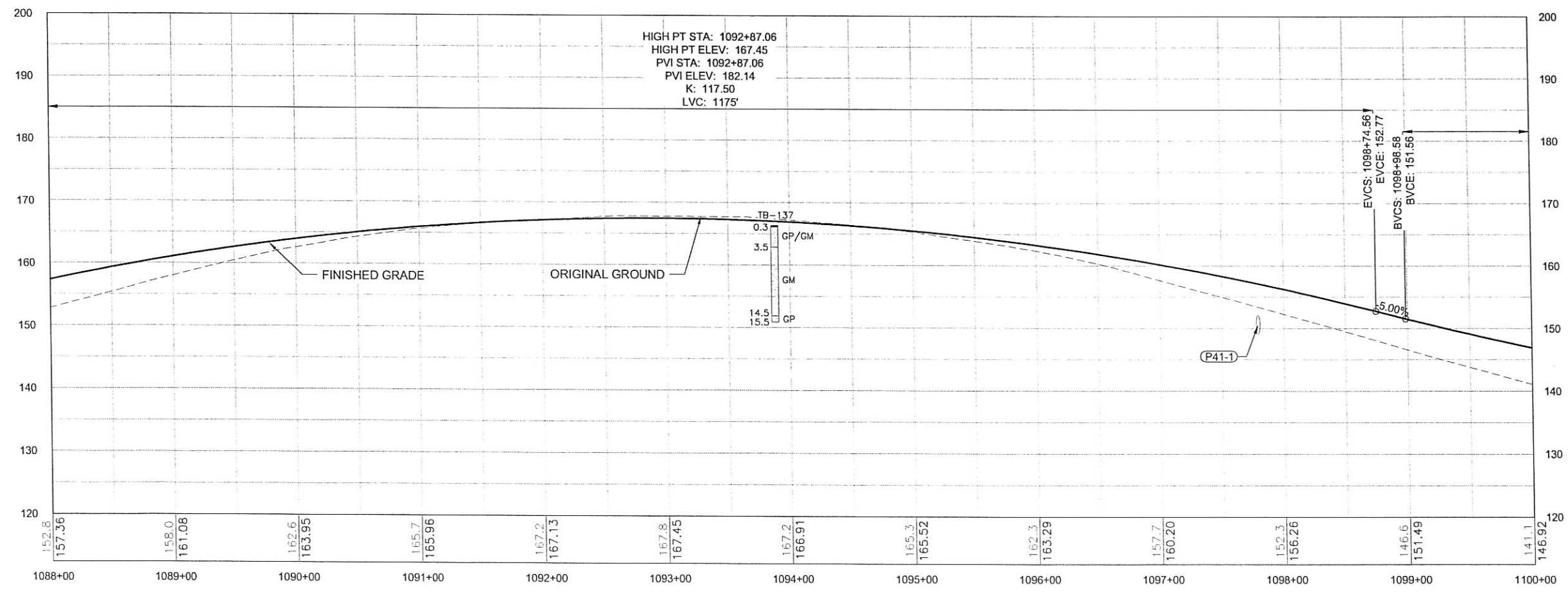
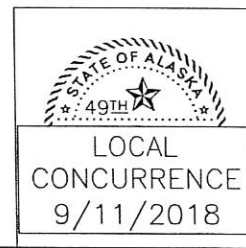
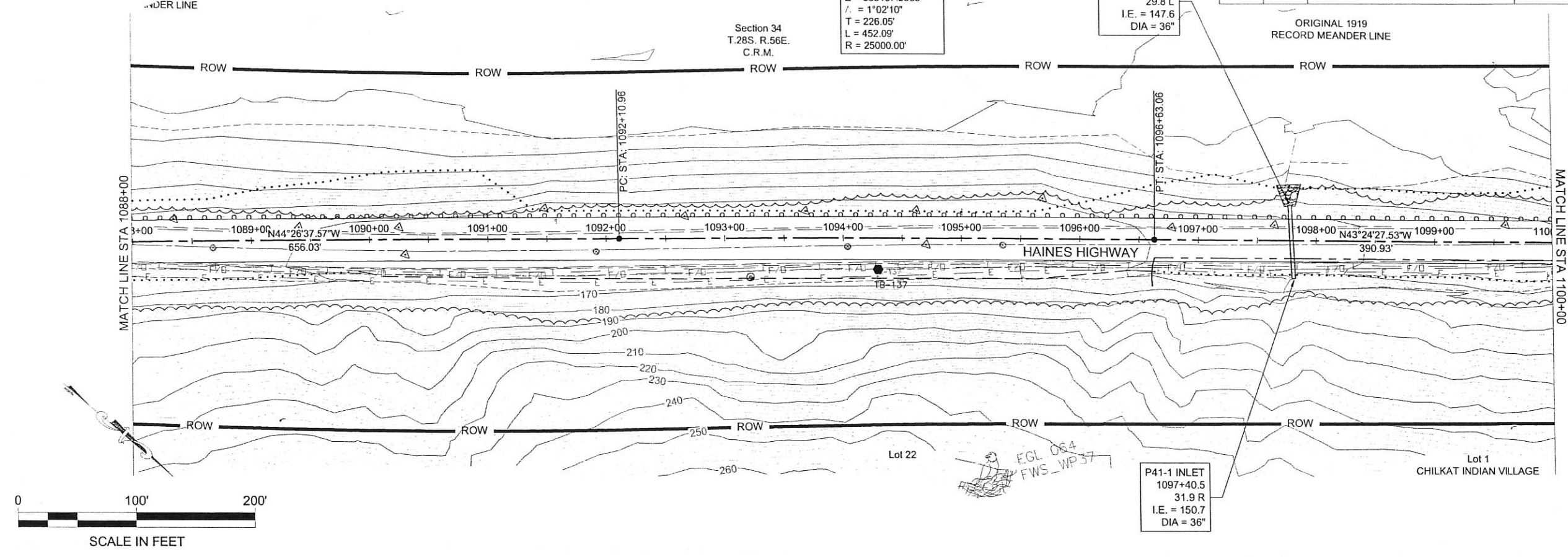
CURVE 30
P.I. STA. 1083+92.76
N = 555373.2455
E = 635918.5830
/ = 3°5'49.9"
T = 162.30'
L = 324.47'
R = 4750.00'
RUNOUT = 64'
RUNOFF = 89'
% RUNOFF = 75%
S = 2.8%

P40-1 INLET
1083+13.5
31.5 R
I.E. = 134.0
DIA = 24"



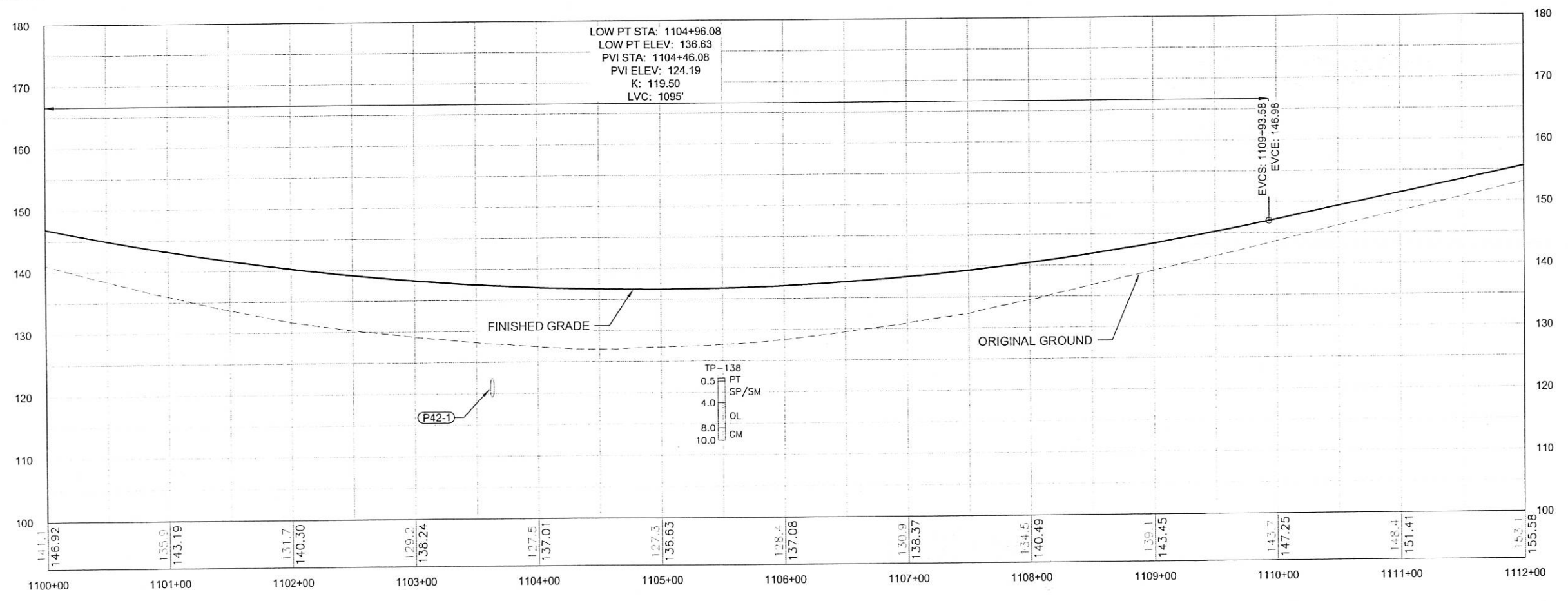
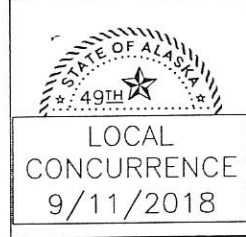
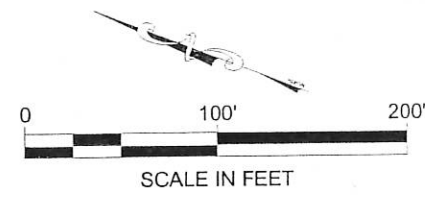
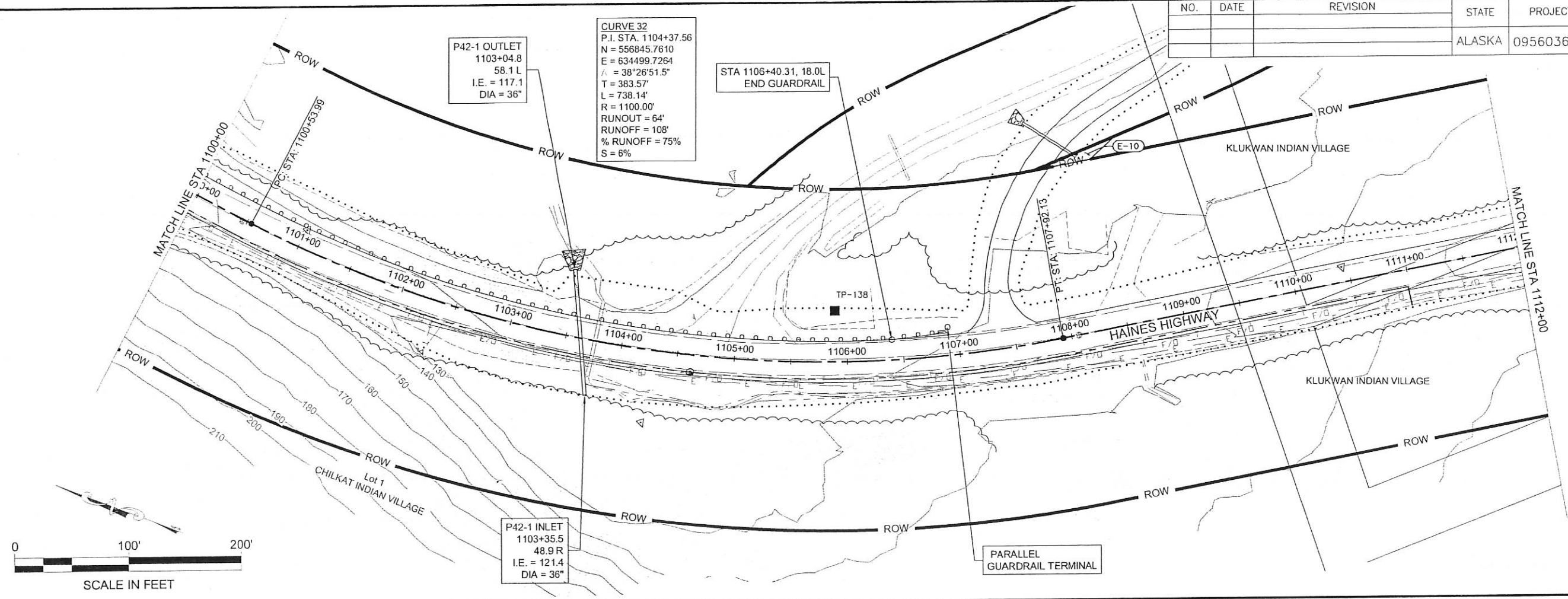
FILE C:\Civil 3D\Projects\2016\24\61850-02\Civil\3D-CT-RD-F-61850.dwg DATE 9/7/2018 16:52 LAYOUT F41 DESIGNED SRT CHECKED NRH DRAFTED CJS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHWHY00171	2018	F41	F50



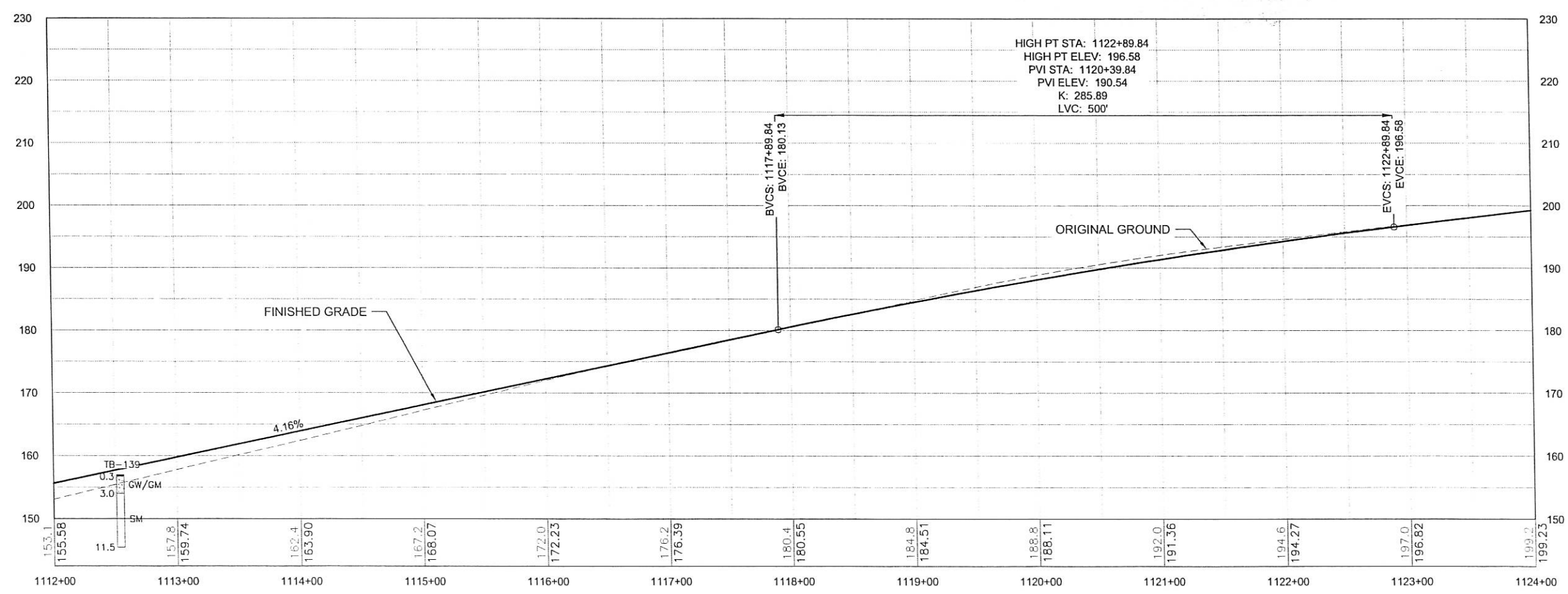
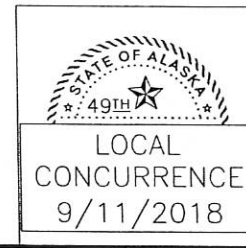
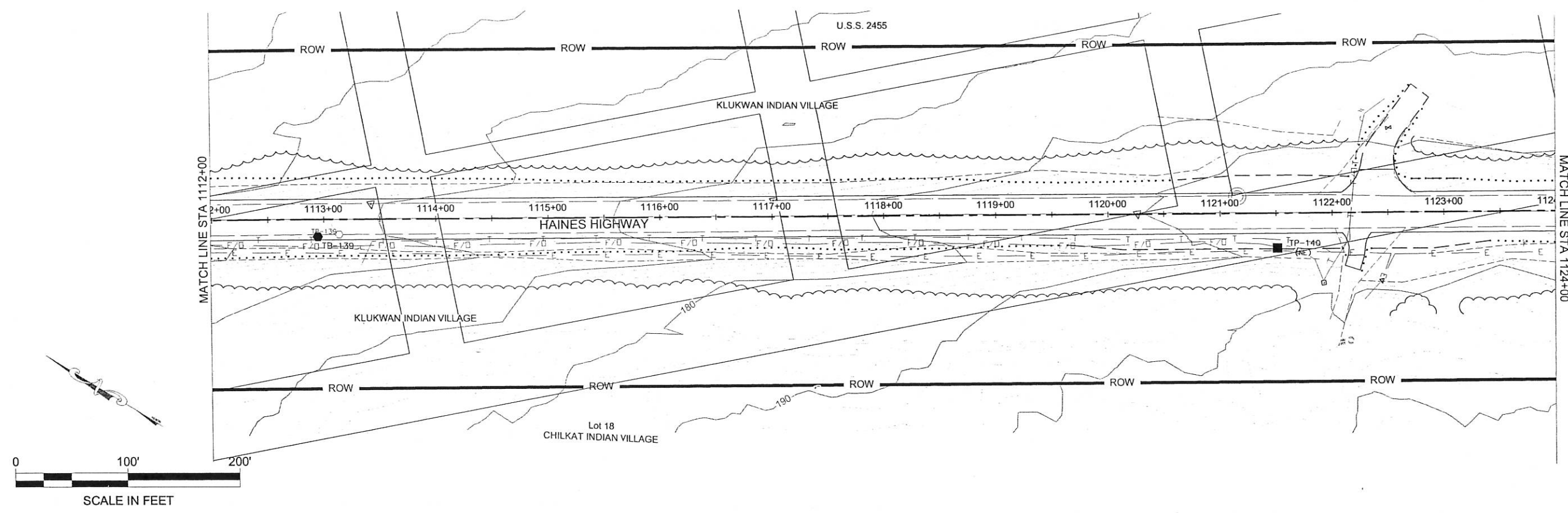
C:\Users\CJS\Documents\2018\24\61850-02\Civil\11\SC-CT-RD-F-61850.dwg
 DATE 9/7/2018 16:52 LAYOUT F42 DESIGNED SRT CHECKED NRH DRAFTED CJS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHwy00171	2018	F42	F50



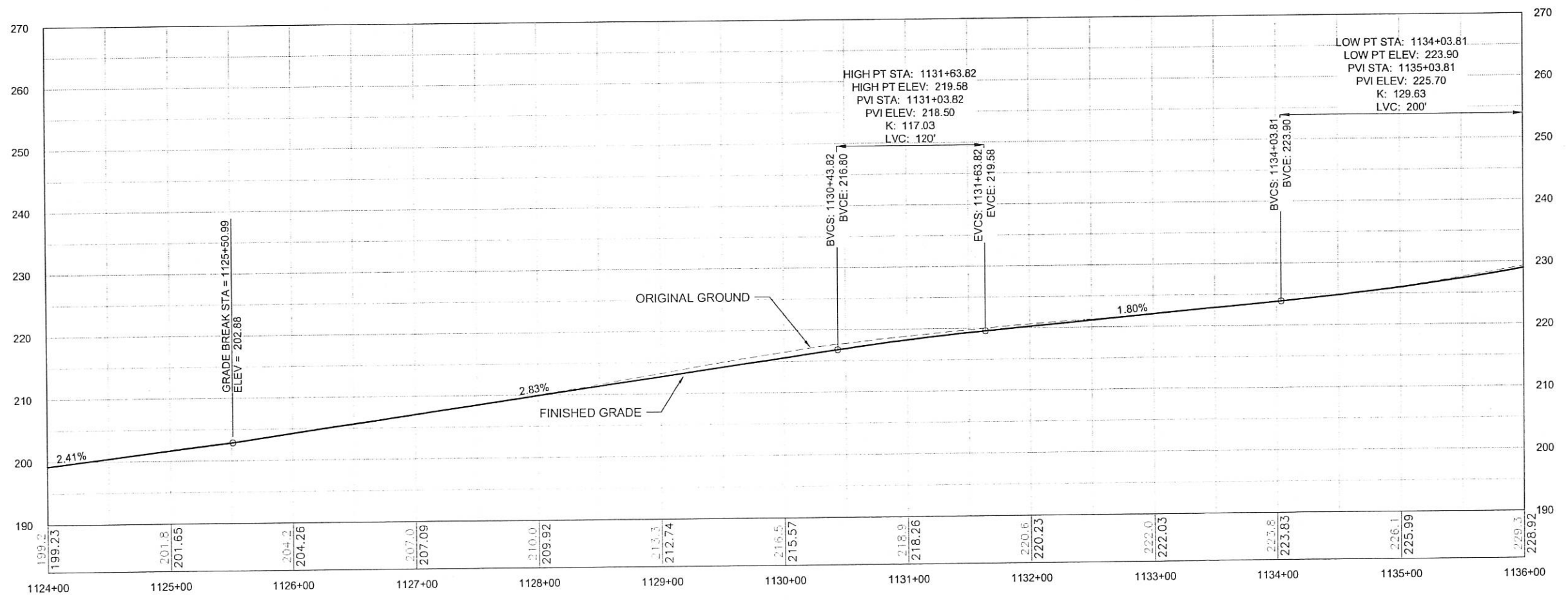
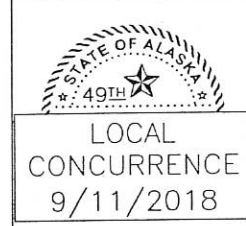
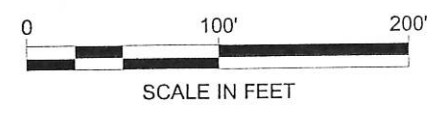
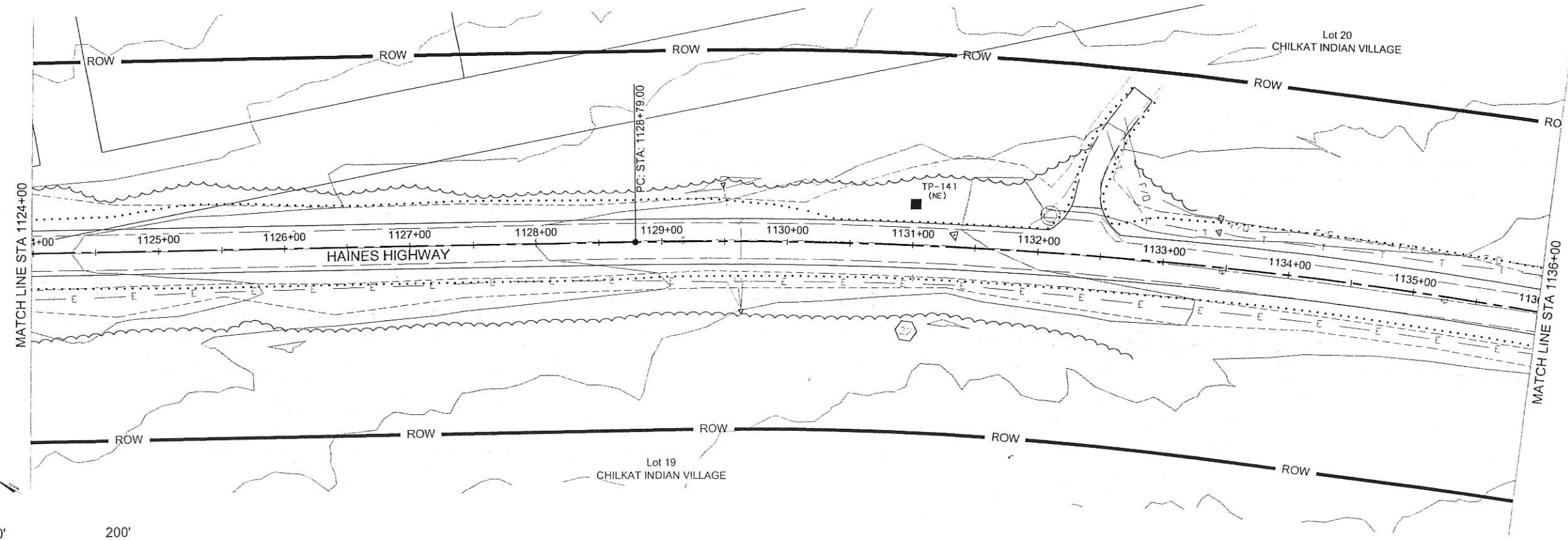
FILE C:\Civil\3D\Projects\2018\2A\61850-02\Civil\1\SC-CT-RD-F-61850.dwg
 DATE 9/7/2018 16:52 LAYOUT F43 DESIGNED SRT CHECKED NRH DRAFTED CJS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHWO0171	2018	F43	F50



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHWO0171	2018	F44	F50

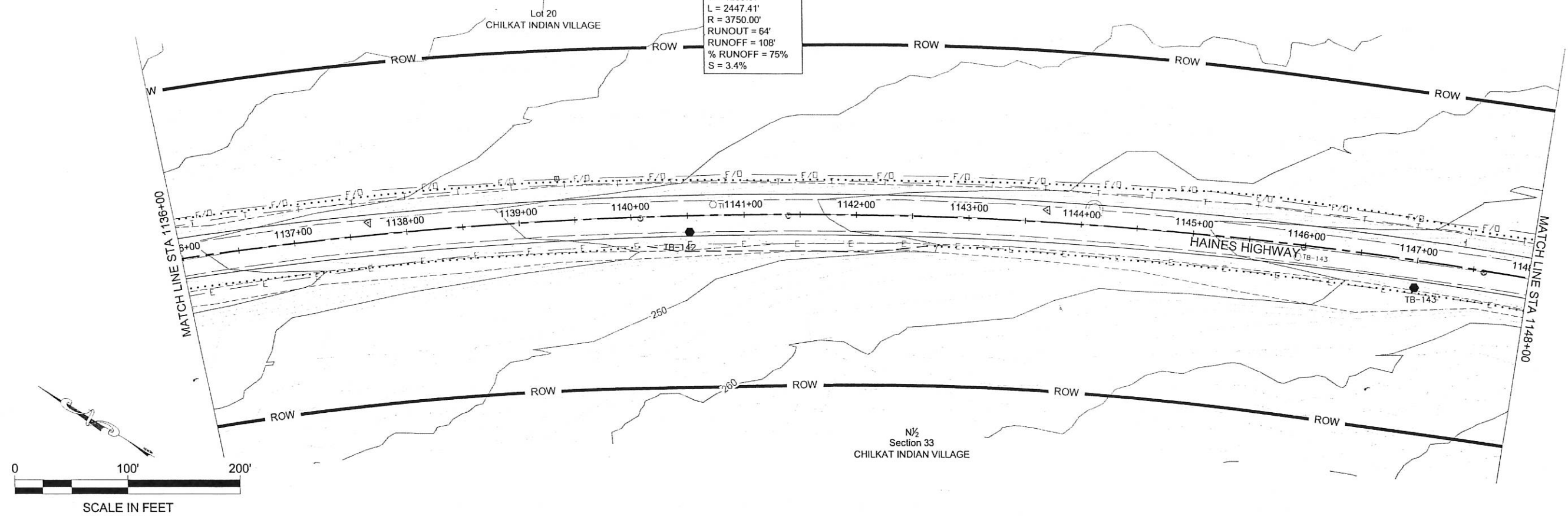
FILE: C:\Civil\3D Projects\2016\24\61850-02\Civil\1\SC-CT-RD-F-61850.dwg
 DATE: 9/7/2018 16:32 LAYOUT: F44
 DESIGNED: SRT CHECKED: NRH DRAFTED: CJS



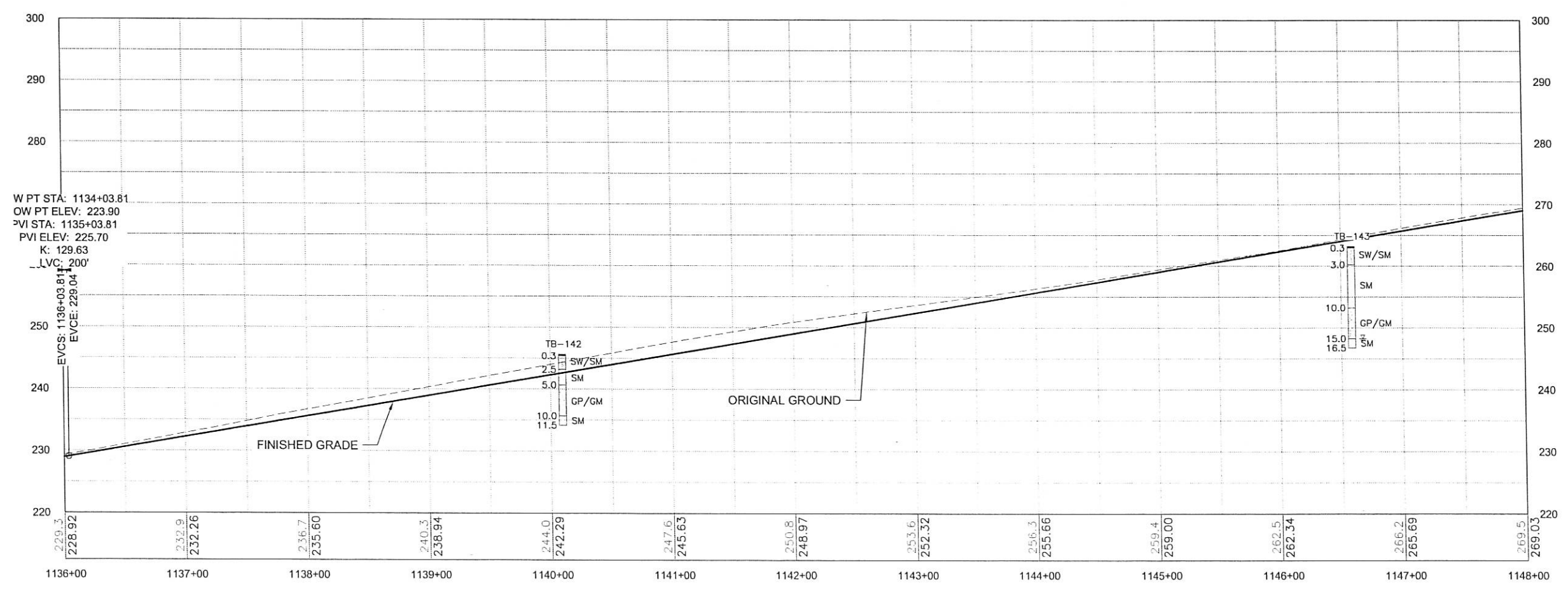
FILE C:\Civil 3D\Projects\2016\24\161850-02\Civil\SC-CT-RD-F-61850.dwg
 DATE 9/7/2018 16:52 LAYOUT F45
 DESIGNED SRT
 CHECKED NRH
 DRAFTED CJS
 TOTAL SHEETS F50

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHWHY00171	2018	F45	F50

CURVE 33
 P.I. STA. 1141+48.07
 N = 557375.5525
 E = 630797.9336
 I = 37°23'37.1"
 T = 1269.07'
 L = 2447.41'
 R = 3750.00'
 RUNOUT = 64'
 RUNOFF = 108'
 % RUNOFF = 75%
 S = 3.4%

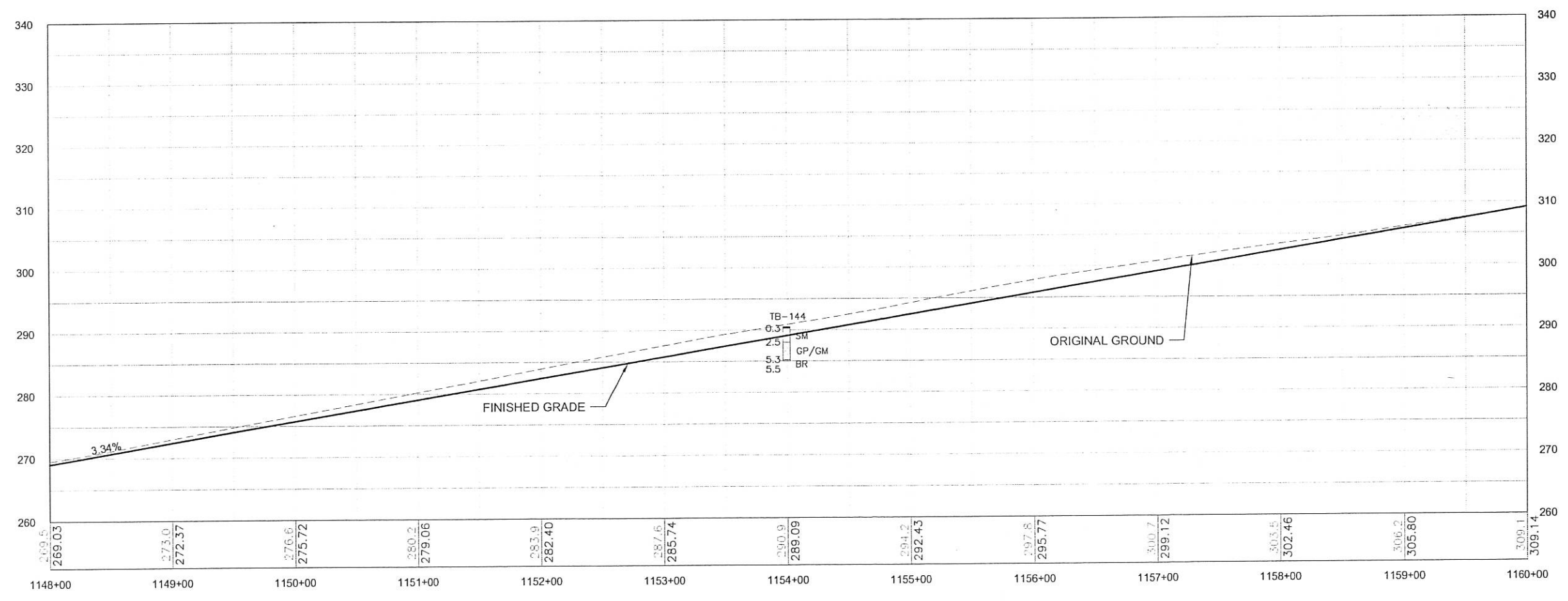
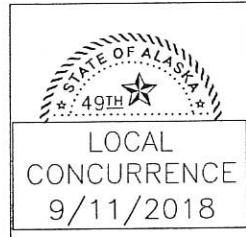
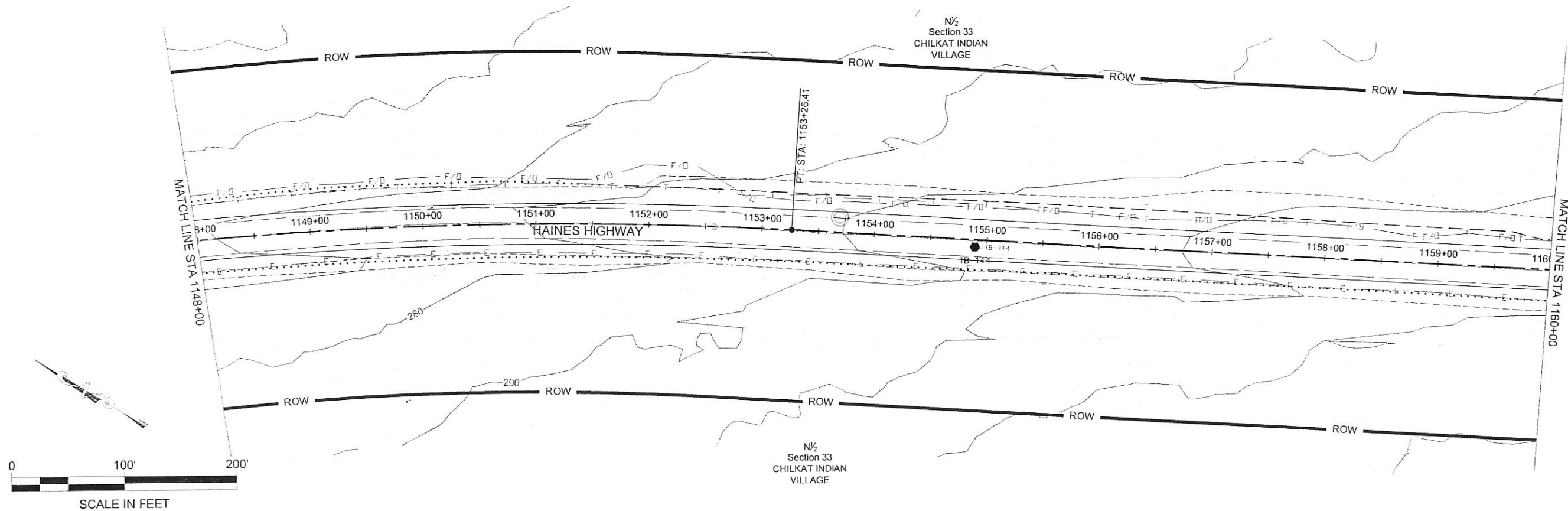



 LOCAL CONCURRENCE
 9/11/2018



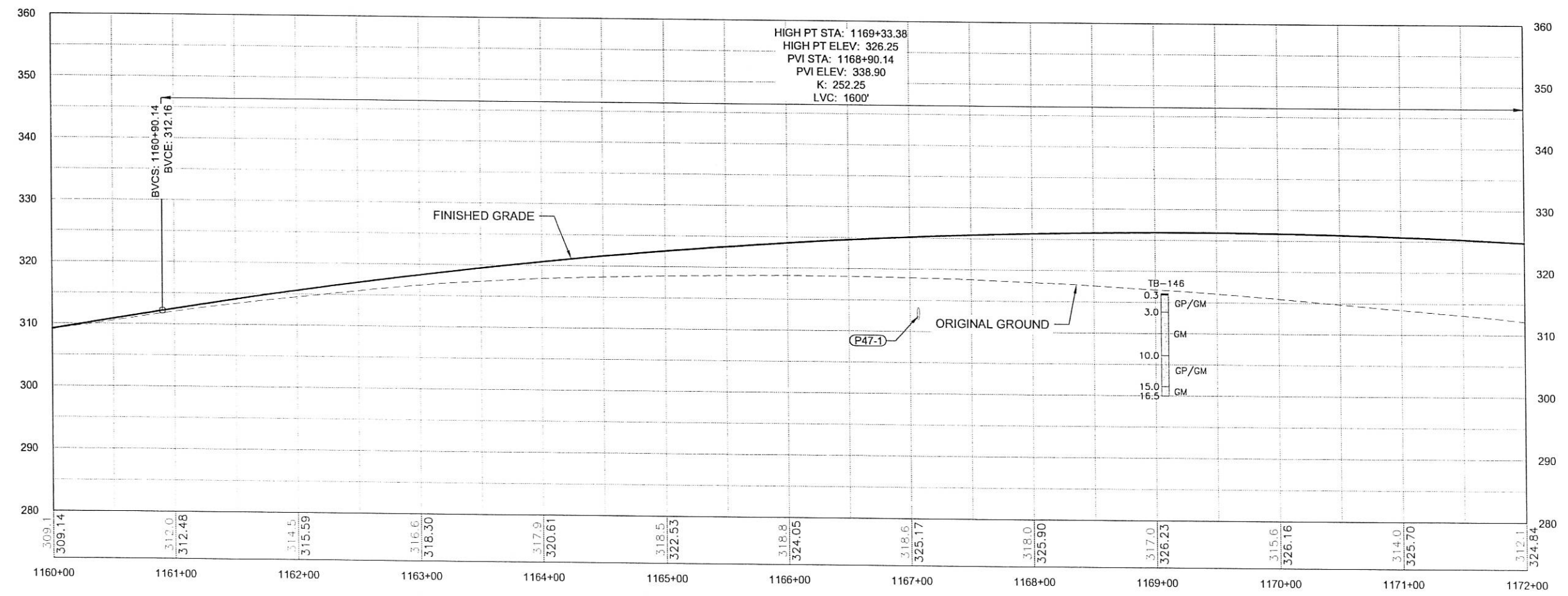
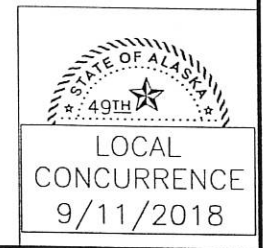
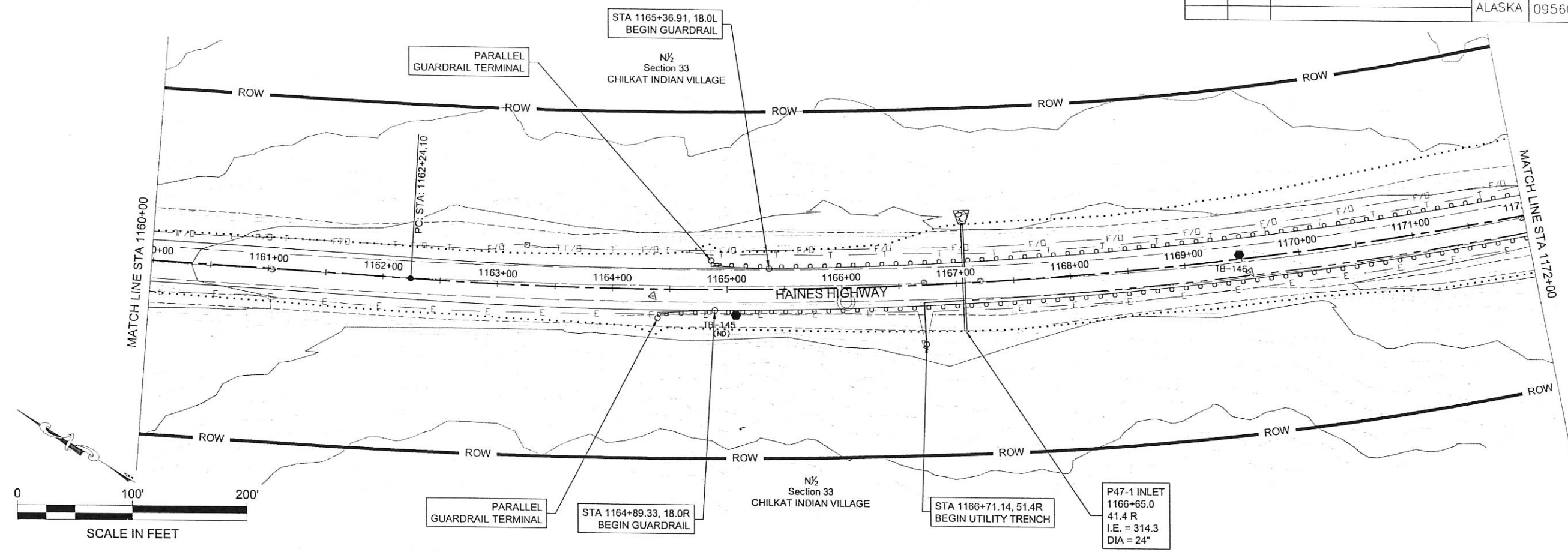
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHWHY00171	2018	F46	F50

FILE C:\Civ11_3D\Projects\2018\24\61850-02\CIV11\SC-CT-RD-F-61850.dwg
 DATE 9/7/2018 16:52 LAYOUT F46 DESIGNED SRT CHECKED NRH DRAFTED CJS



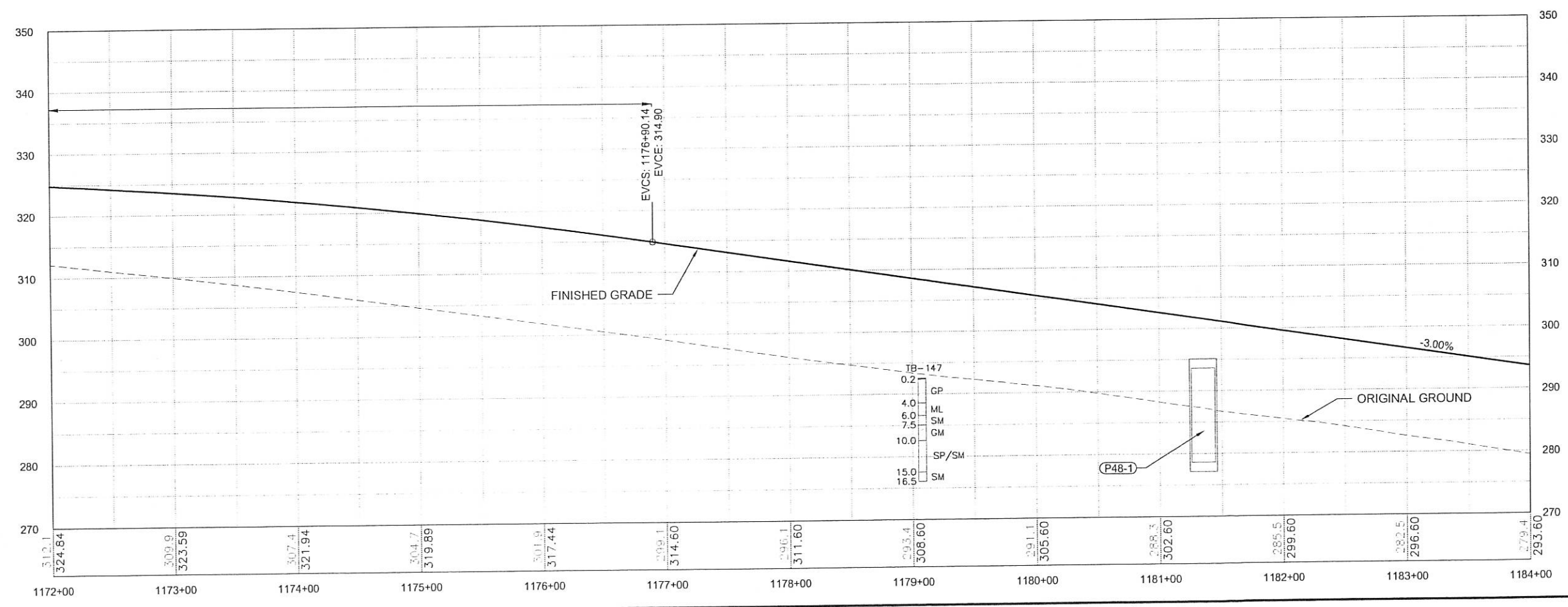
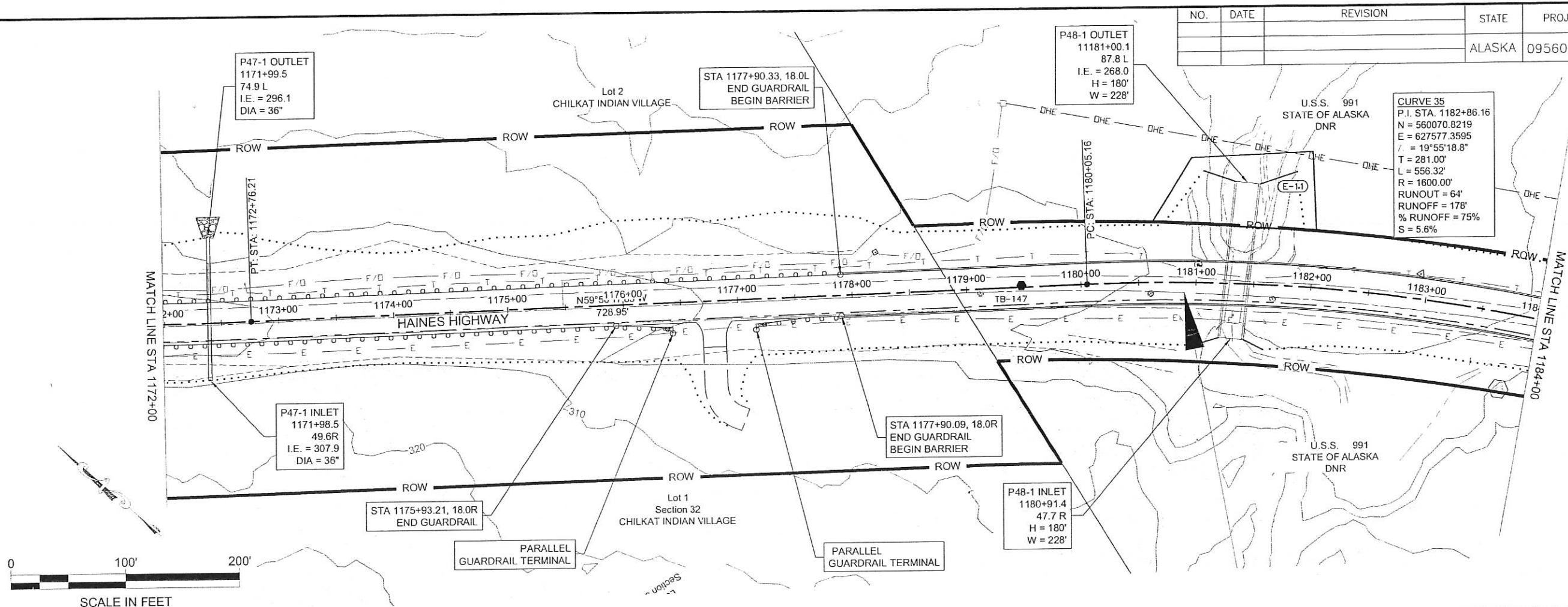
FILE: C:\Civil\30 Projects\2016\24\61850-02\1\SC-CT-RD-F-61850.dwg DATE: 9/7/2018 16:52 LAYOUT: F47 DESIGNED: SRT CHECKED: MPH DRAFTED: CJS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHWHY00171	2018	F47	F50



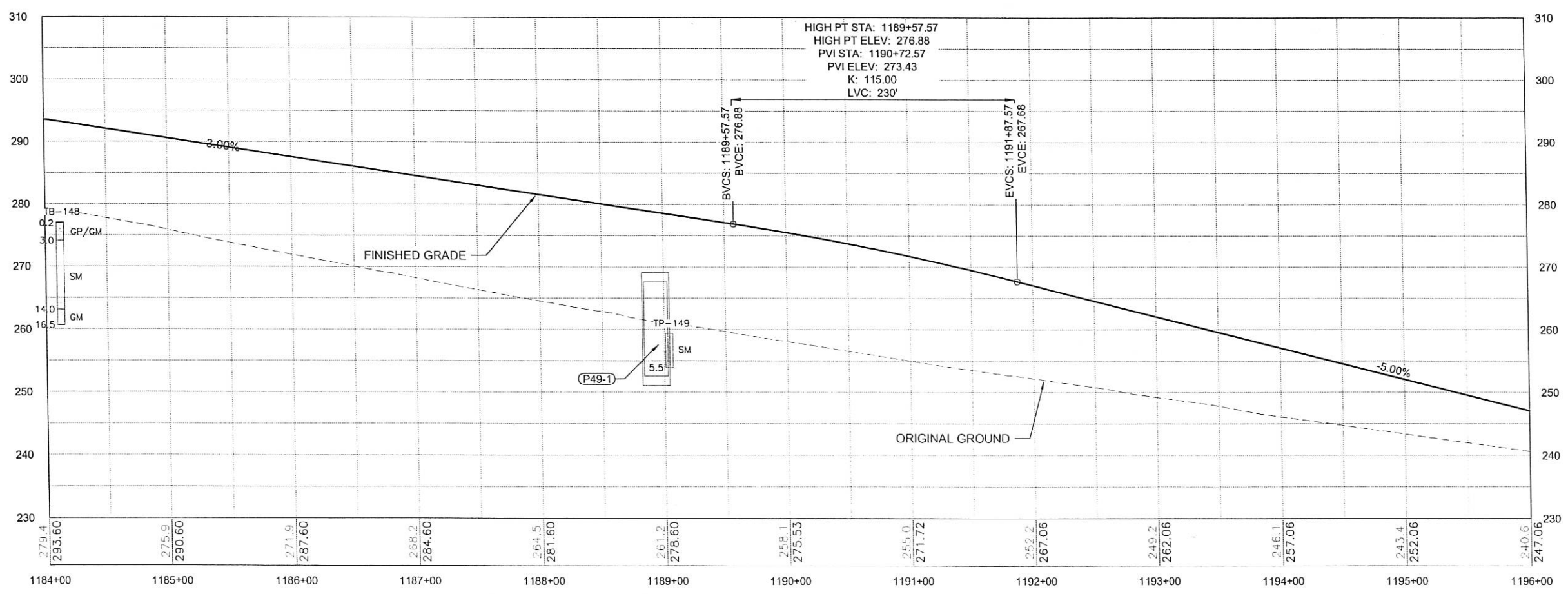
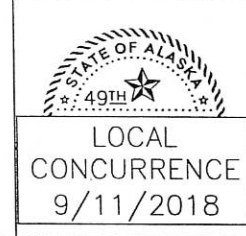
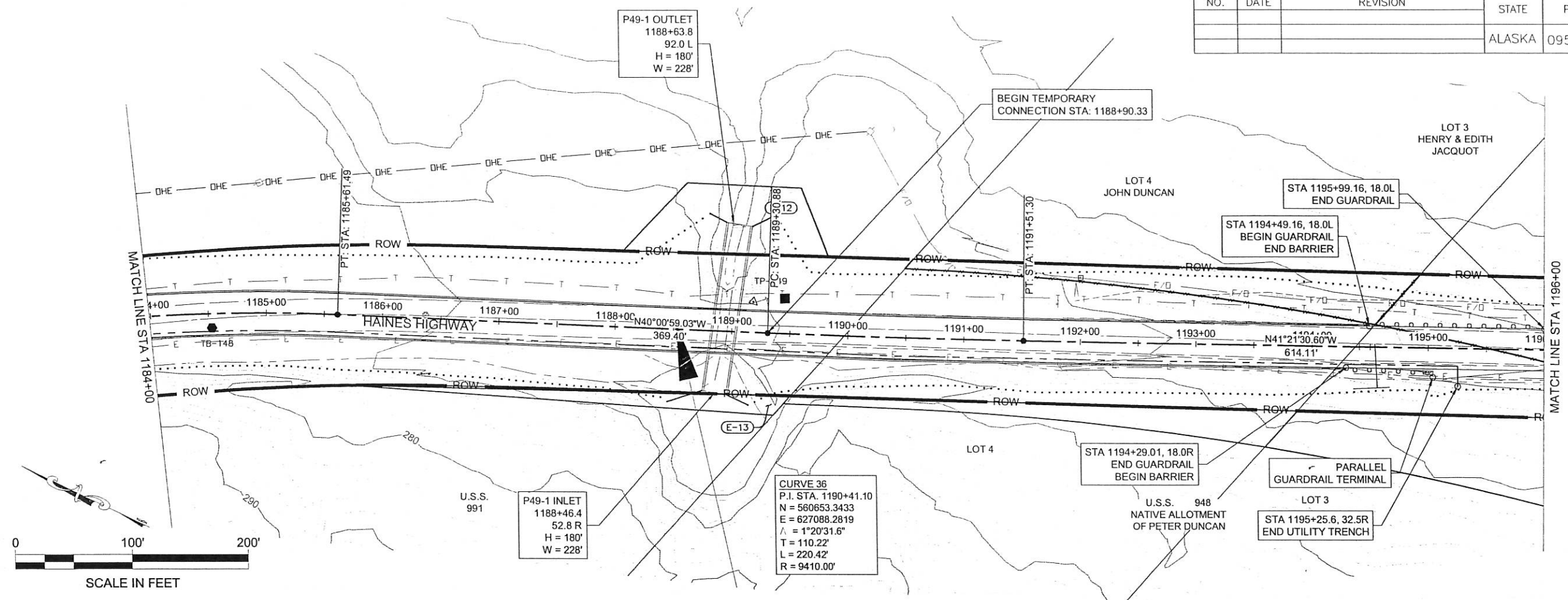
FILE: C:\CIVIL\3D Projects\2016\161850-02\Civil\SC-CI-RO-F-61850.dwg DATE: 9/7/2018 16:52 LAYOUT: F48 DESIGNED: SRT CHECKED: NRH DRAFTED: CJS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHWHY00171	2018	F48	F50



CJS DRAFTED NRH CHECKED SRT DESIGNED F49 LAYOUT 16:52 DATE 9/7/2018

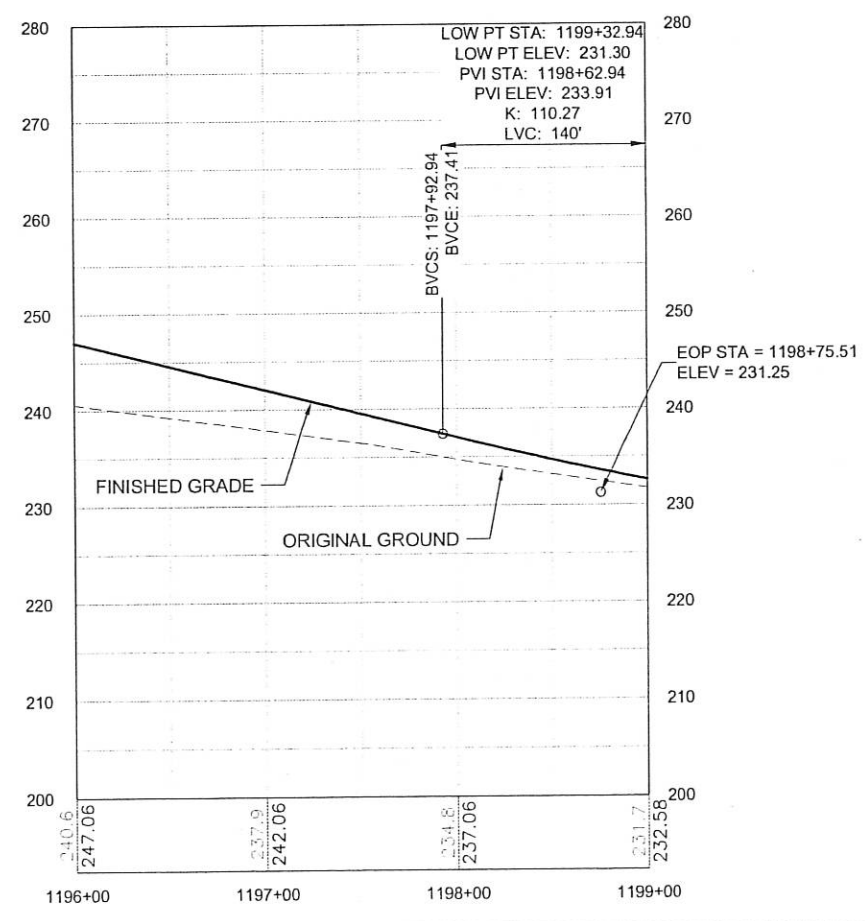
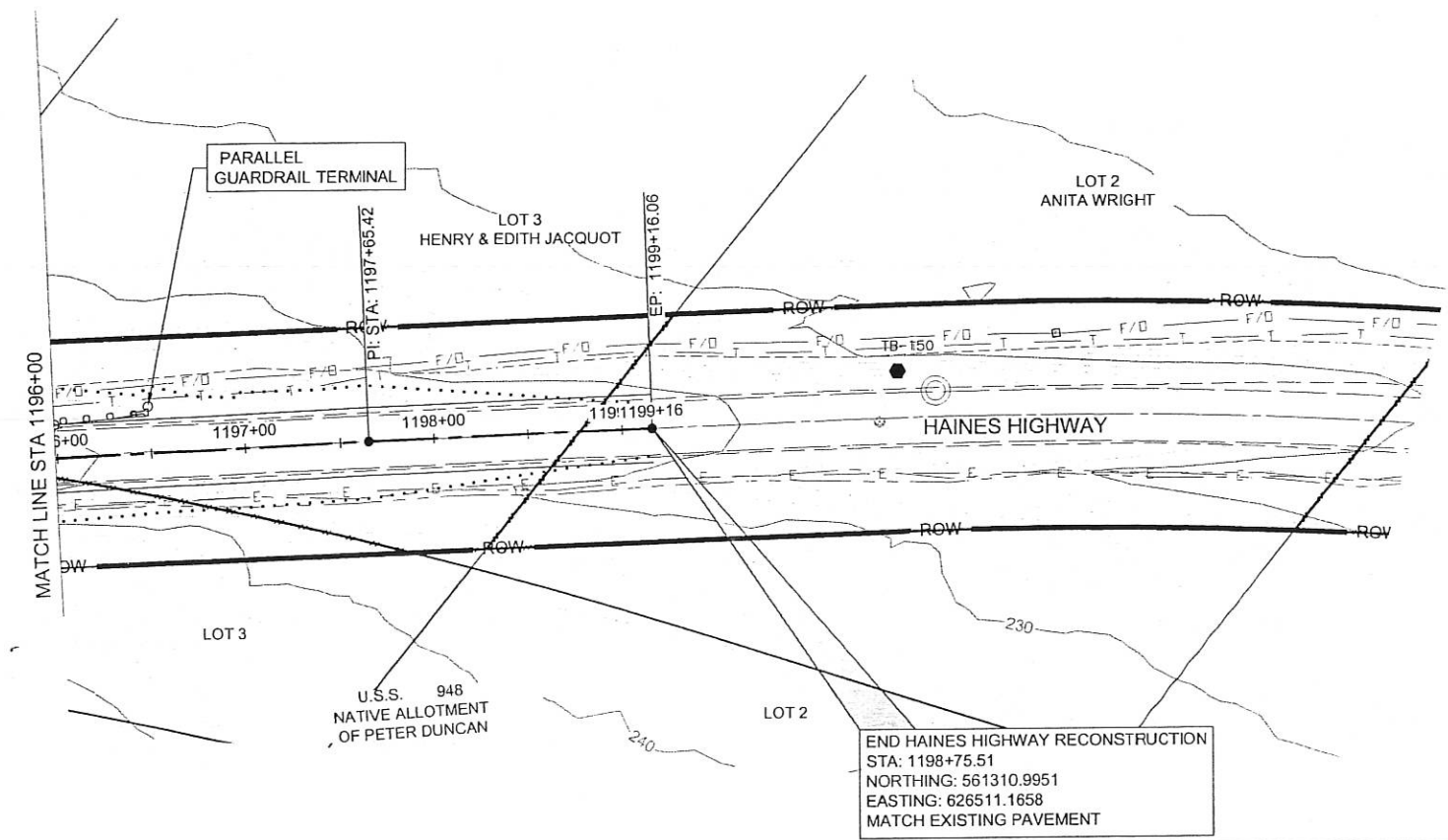
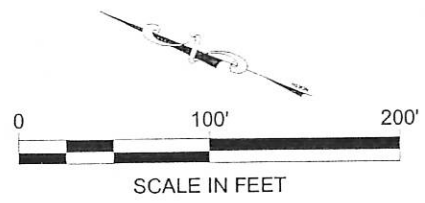
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHWHY00171	2018	F49	F50



FILE C:\CIVIL\3D Projects\2018\24\161850-02\Civil\SC-CT-RD-F-61850.dwg

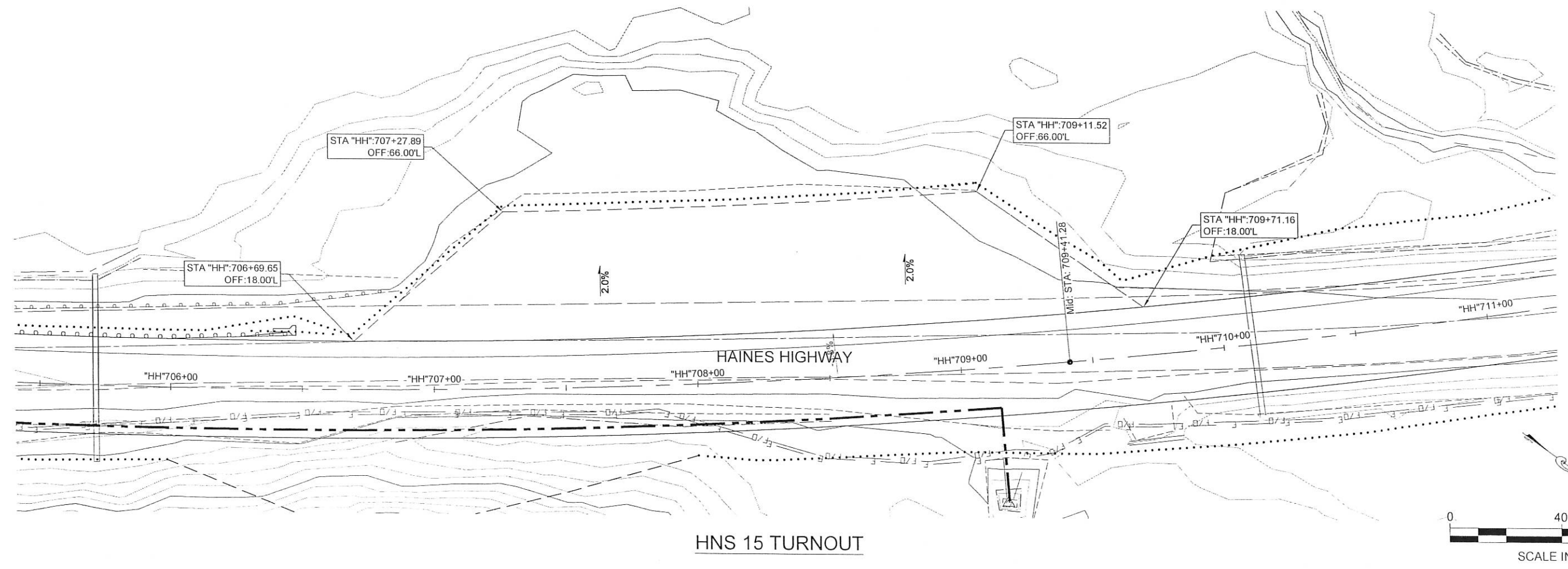
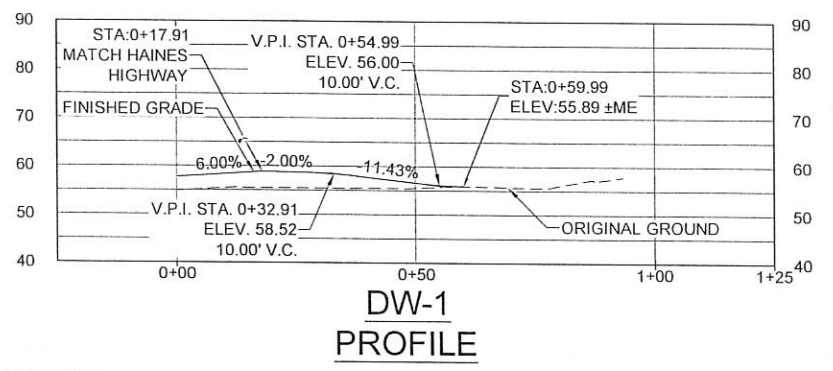
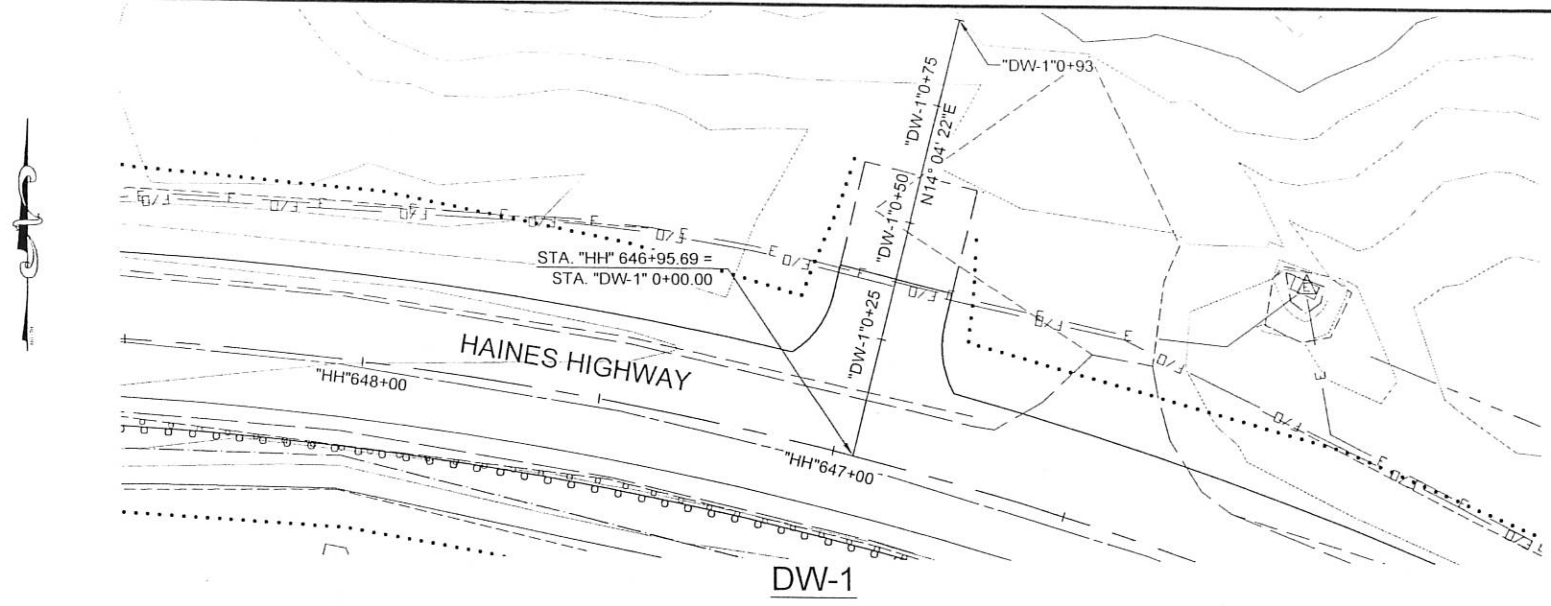
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHWHY00171	2018	F50	F50

FILE C:\CIVIL\3D Projects\2016\24\61850-02\Civil\SC-CT-RD-F-61850.dwg
 DATE 9/7/2018 16:52 LAYOUT F50 DESIGNED SRT CHECKED NRH DRAFTED CJS

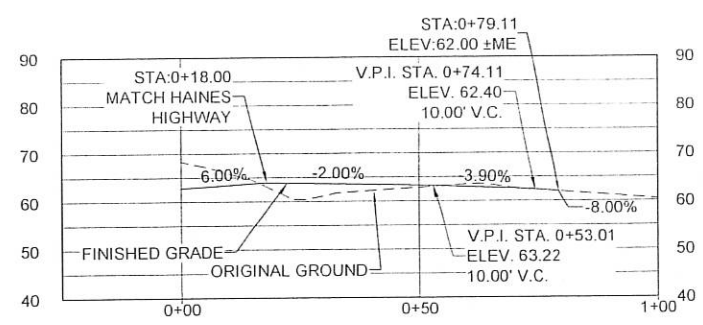
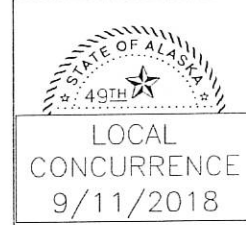
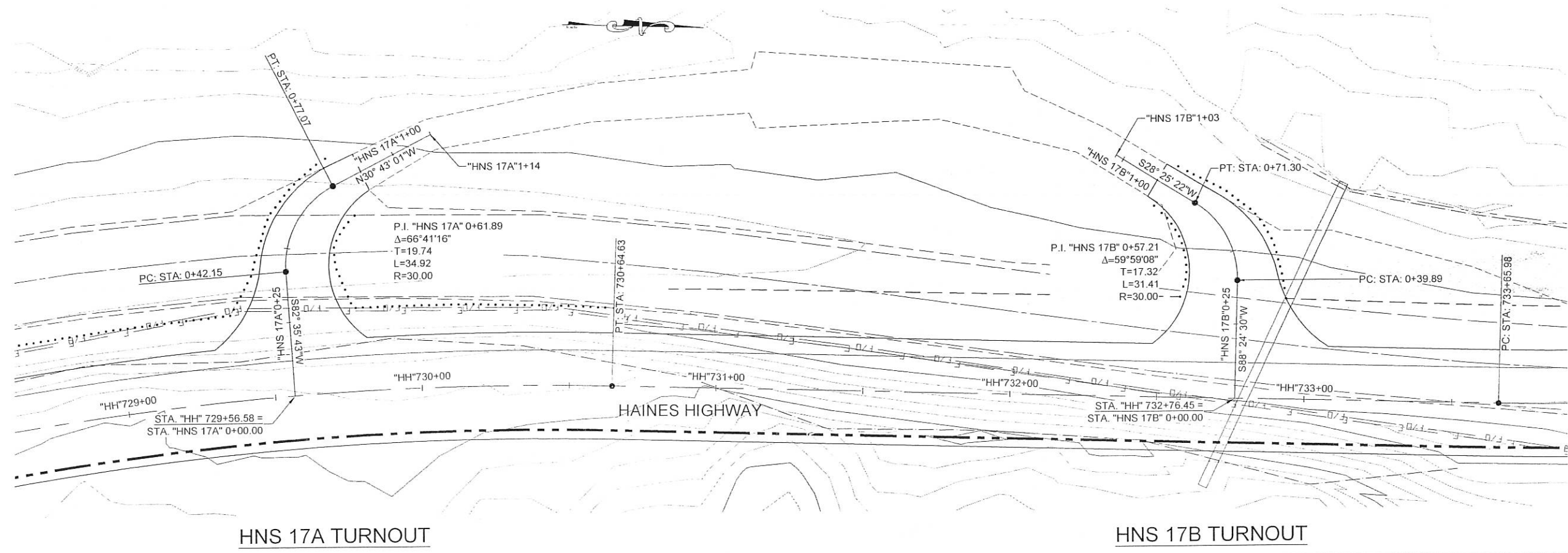


FILE: C:\Civil\3D Projects\2016\161850-02\Civil\150-CT-CR-61850.dwg
 DATE: 8/28/2018 13:17 LAYOUT: G1
 DESIGNED: SRT CHECKED: NRH DRAFTED: CJS
 TOTAL SHEETS: G10

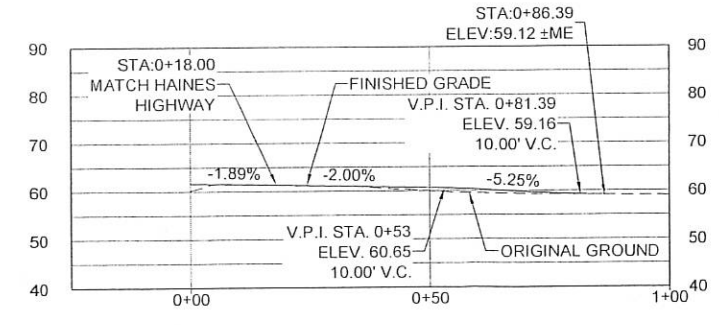
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHwy00171	2018	G1	G10



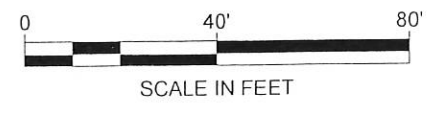
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHwy00171	2018	G2	G10



HNS 17A TURNOUT PROFILE



HNS 17B TURNOUT PROFILE

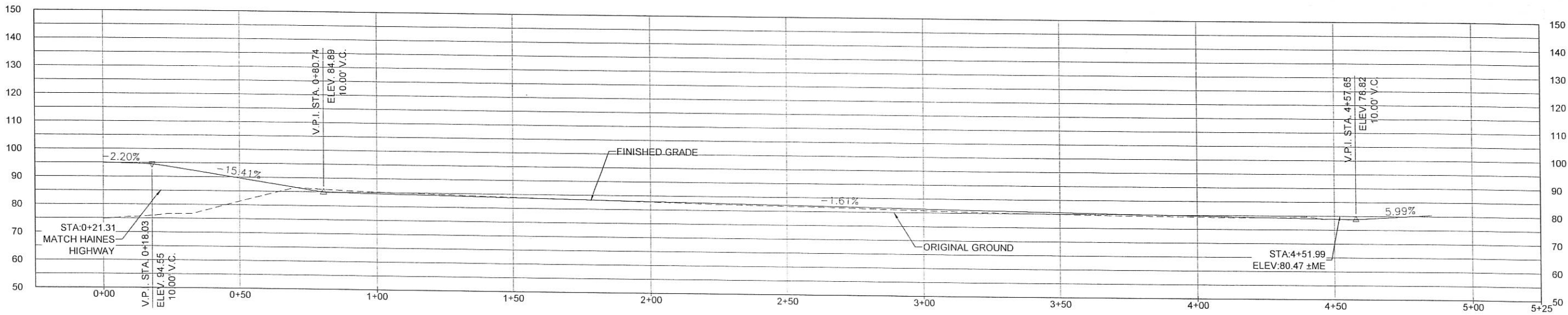
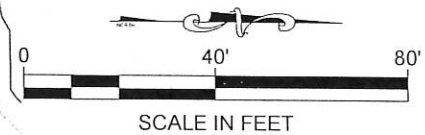
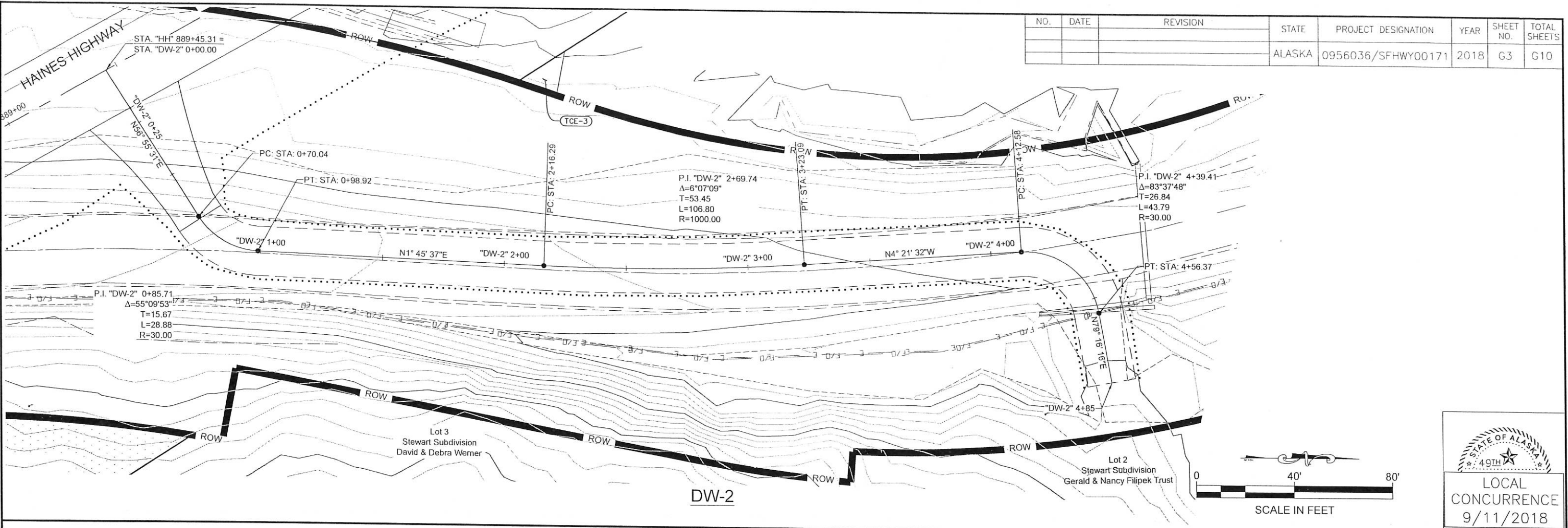


FILE: C:\Civil 3D Projects\2016\24\161850-02\Civil\SC-CT-GR-61850.dwg
 DATE: 8/28/2018 13:17 LAYOUT: G2
 DESIGNED: SRT CHECKED: NRH DRAFTED: CJS

C:\Civil_3D\Projects\2016\24161850-02\Civil\SC-CI-CR-61850.dwg

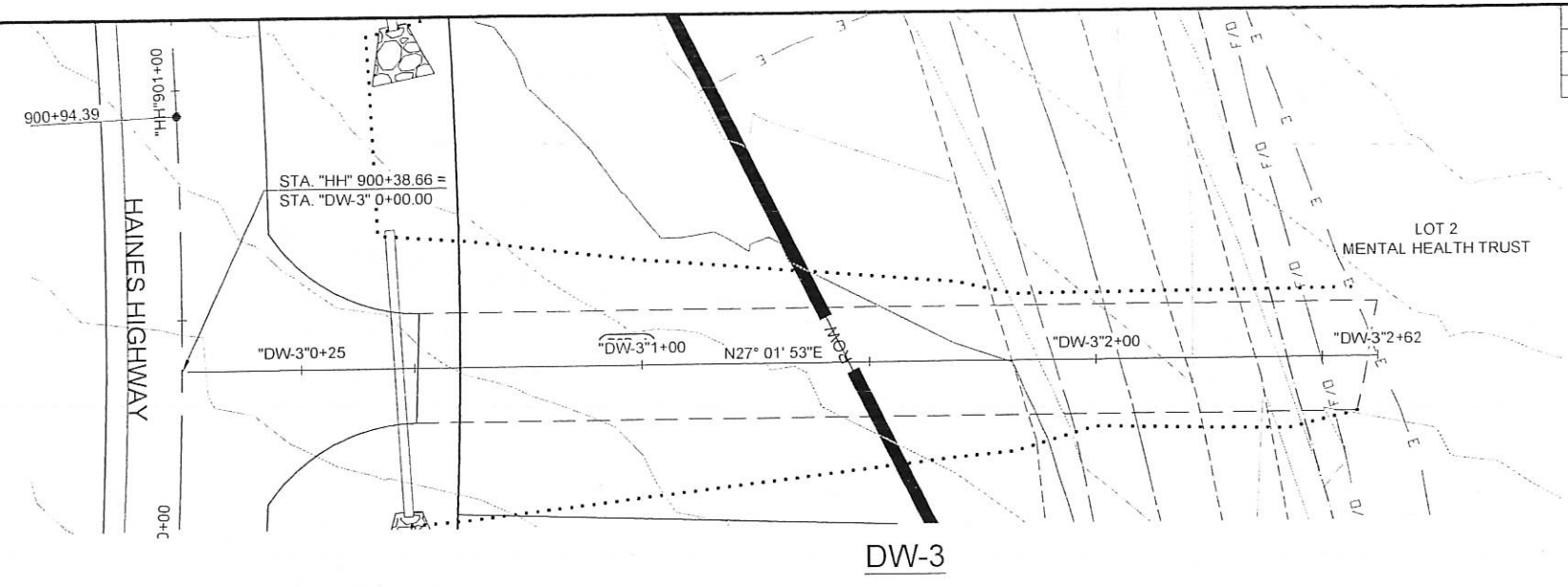
DATE: 8/29/2018 13:17 LAYOUT: G3 DESIGNED: SRT CHECKED: NRH DRAFTED: CJS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHWO0171	2018	G3	G10

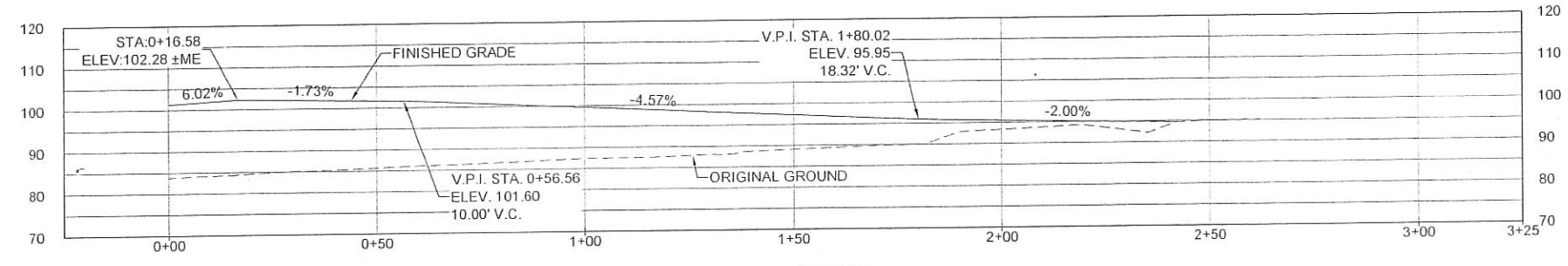


FILE C:\Civil 3D\Projects\2018\24\61850-02\Civil\SC-CT-GR-61850.dwg
 DATE 8/28/2018 13:17 LAYOUT G4
 DESIGNED SRT CHECKED NRH DRAFTED CJS

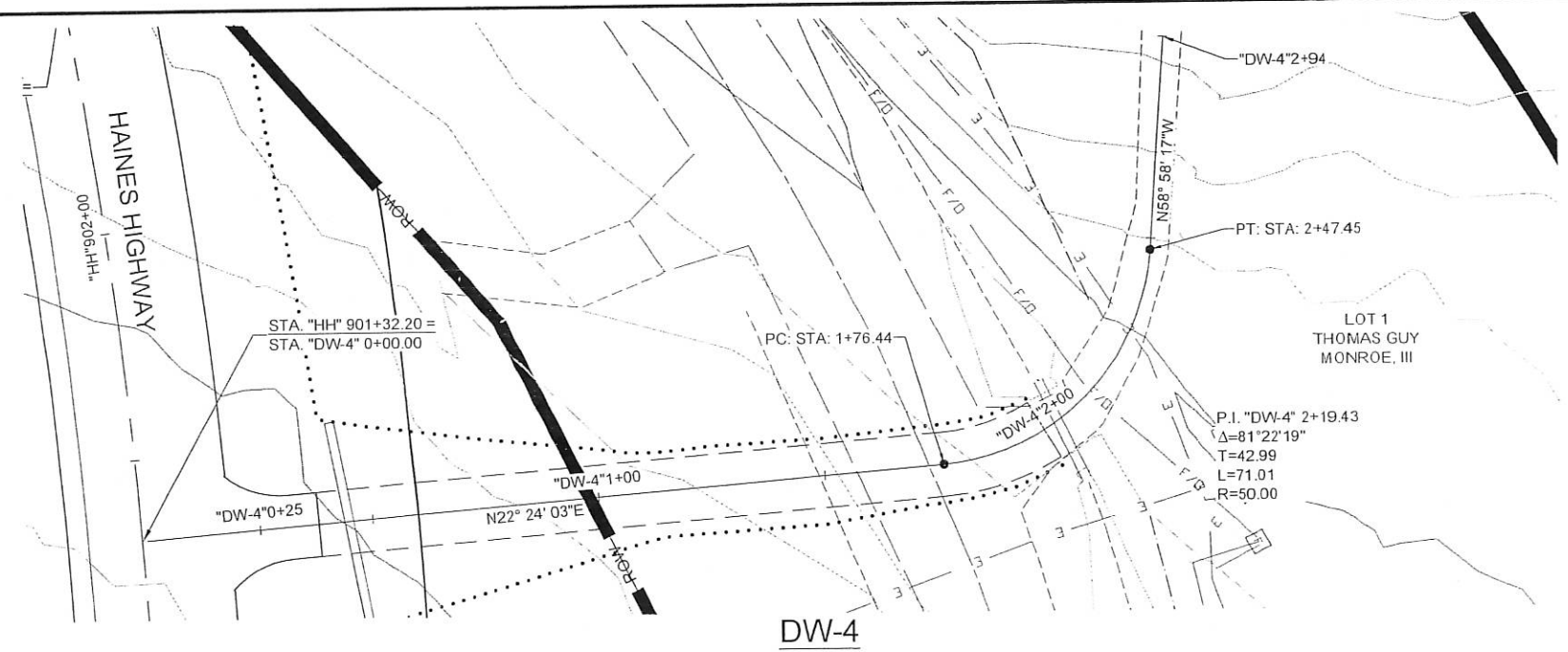
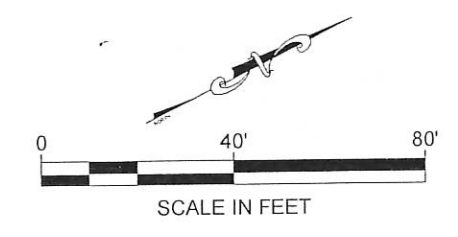
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHwy00171	2018	G4	G10



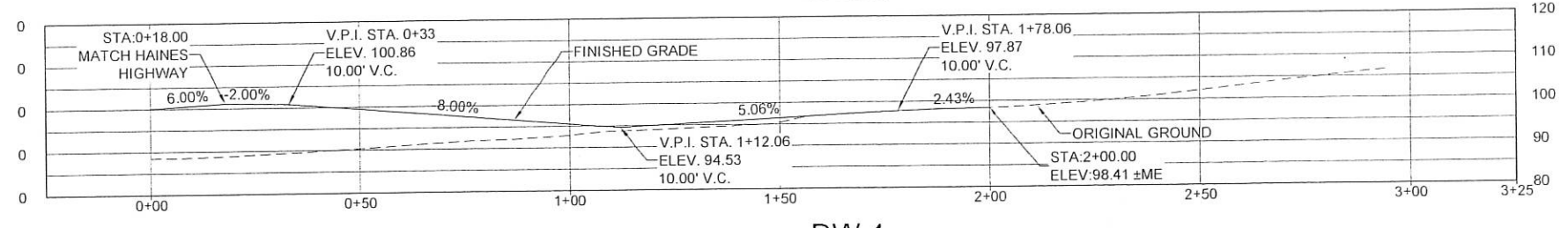
DW-3



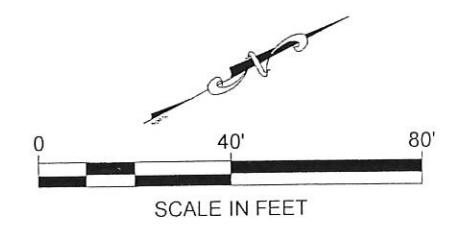
DW-3 PROFILE



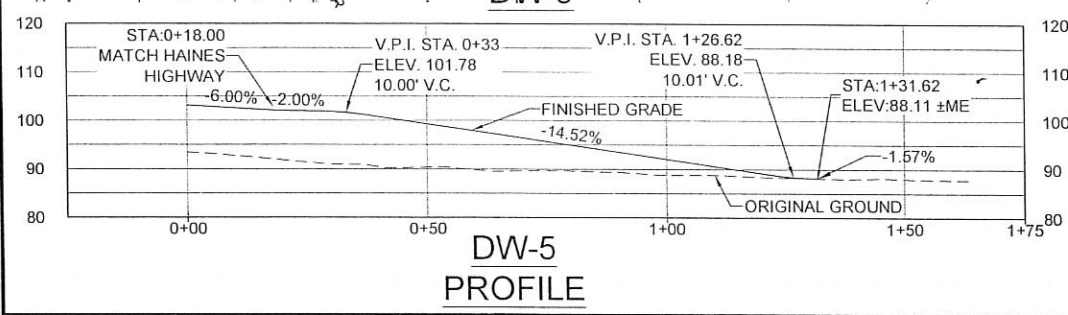
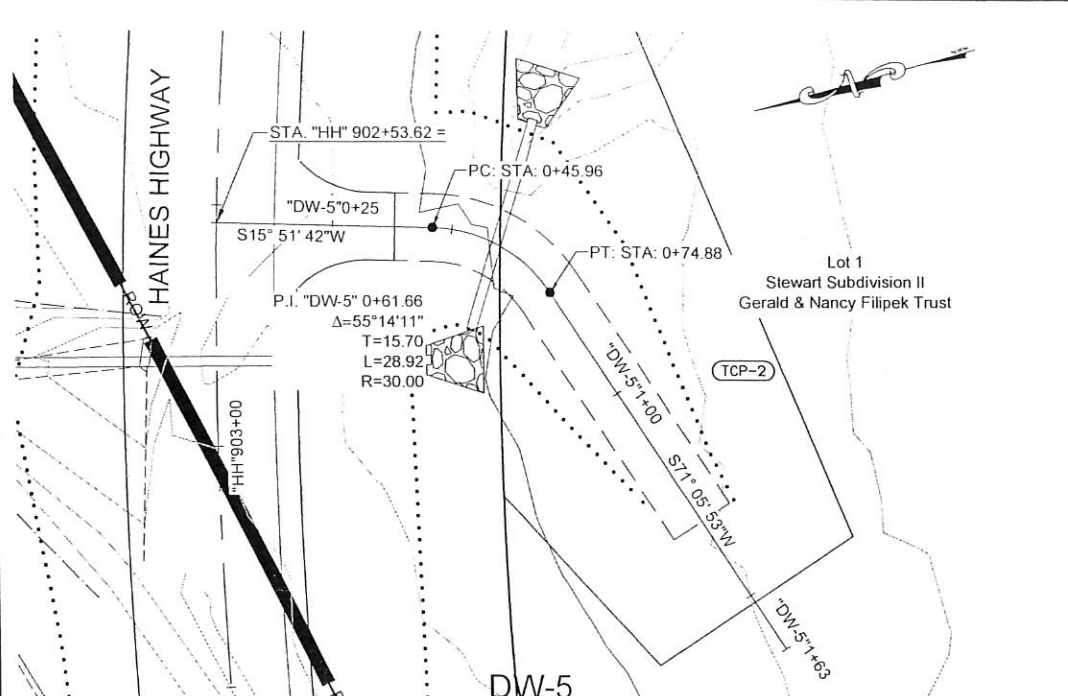
DW-4



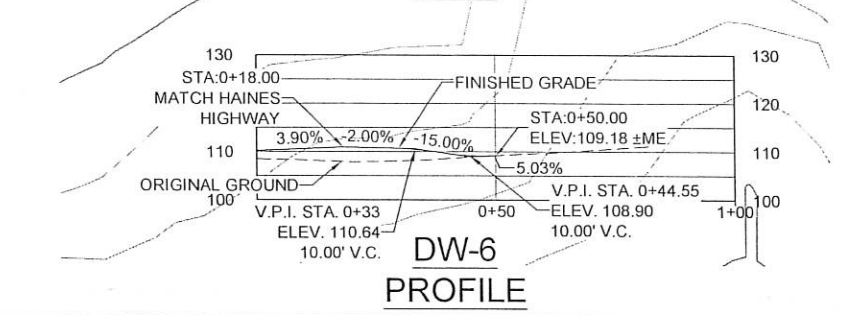
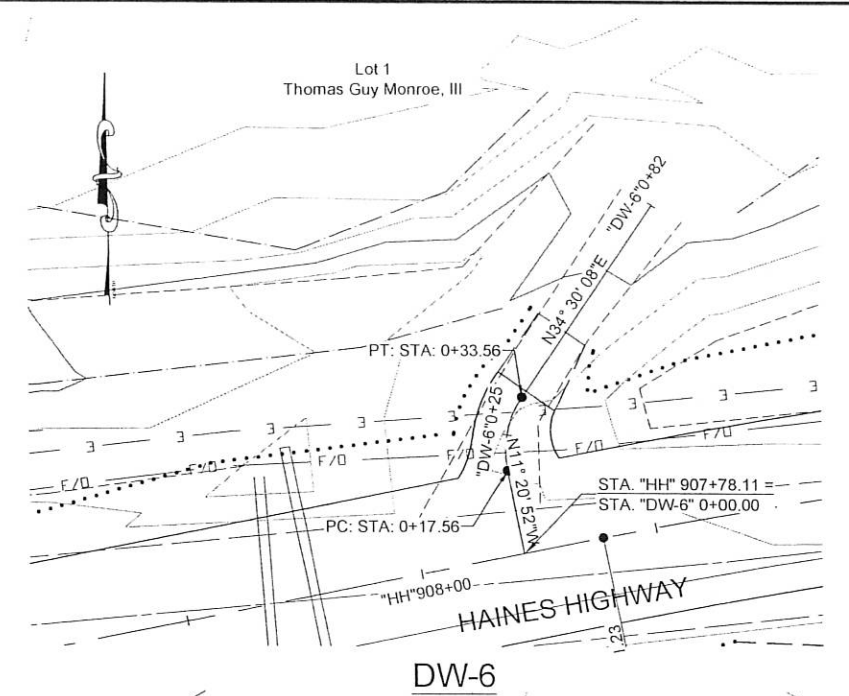
DW-4 PROFILE



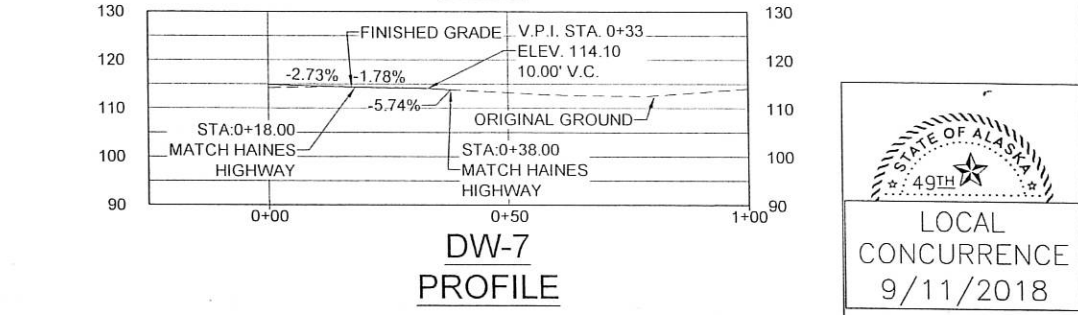
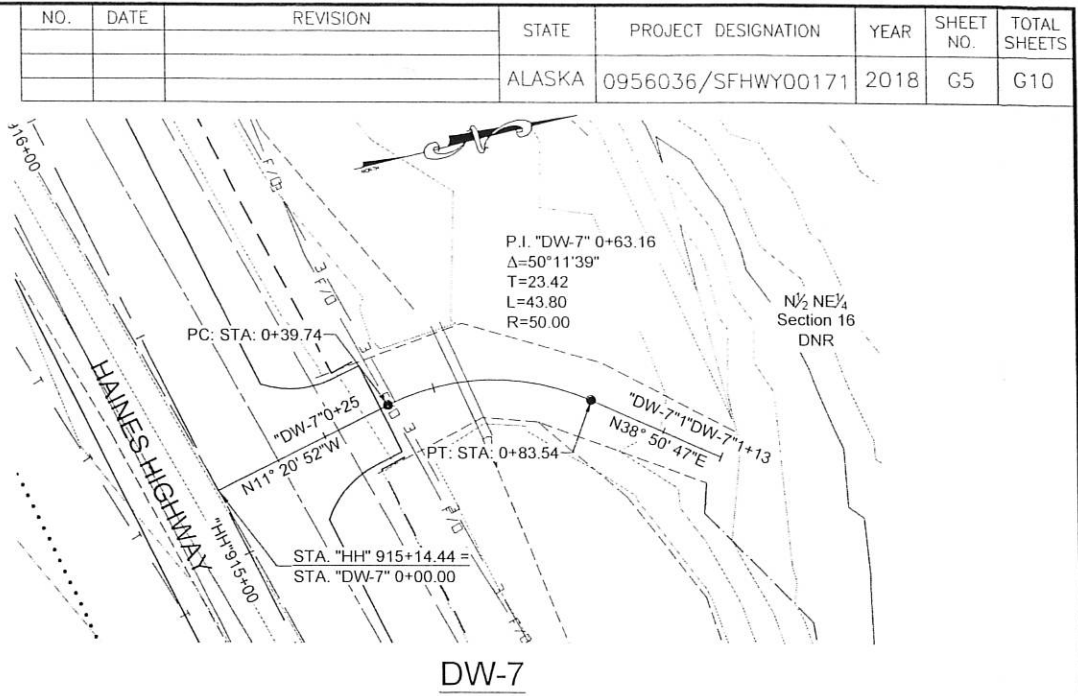
CJS DRAFTED NRH CHECKED SRT DESIGNED GS LAYOUT DATE 8/28/2018 13:17 FILE C:\Civill 3D Projects\2018\24161850-02\Civil\ISO-CT-GR-61850.dwg



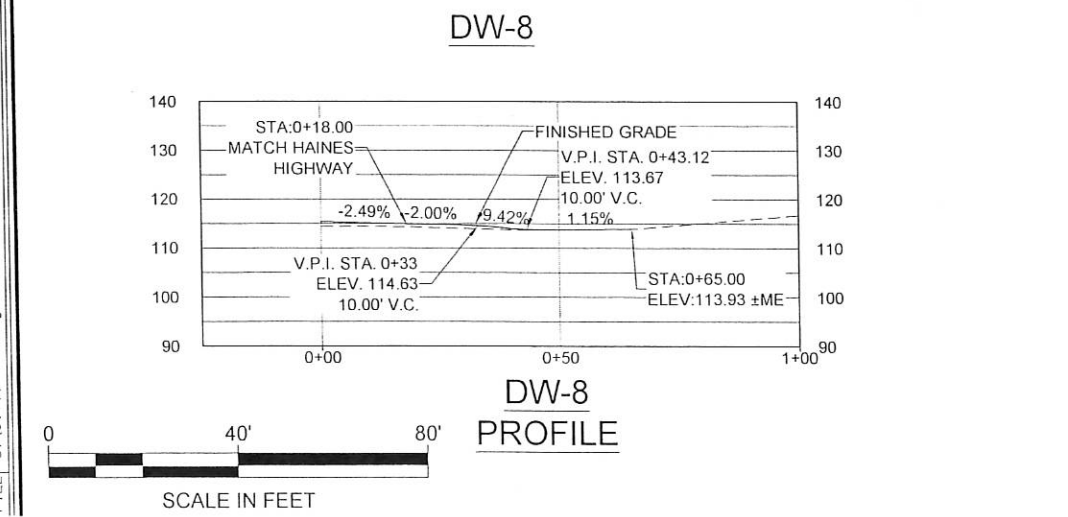
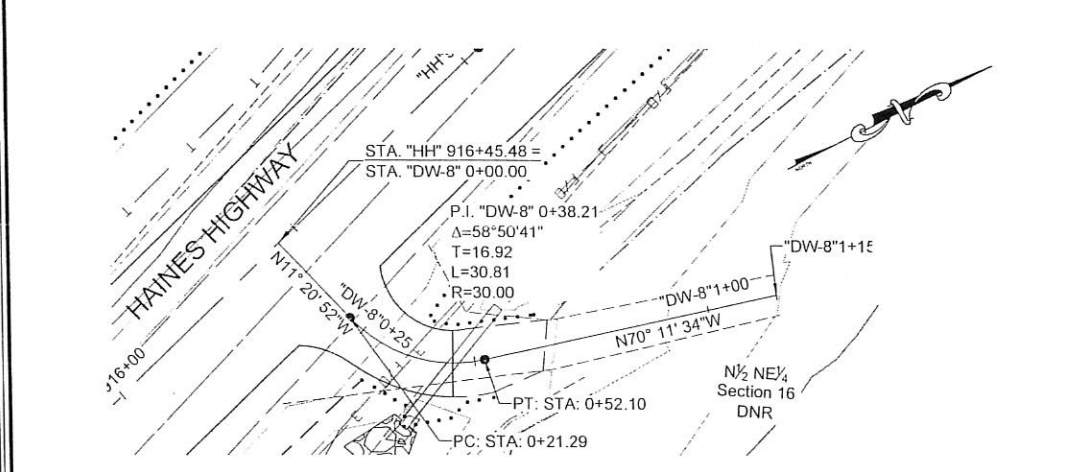
DW-5 PROFILE



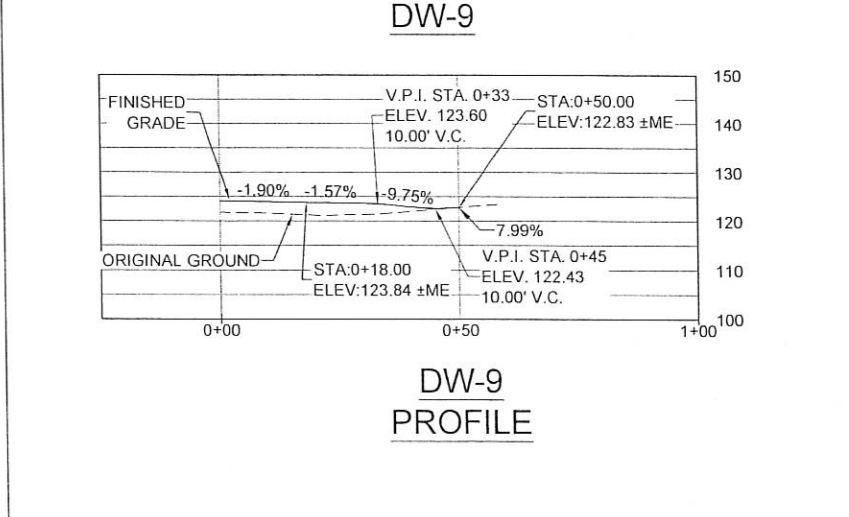
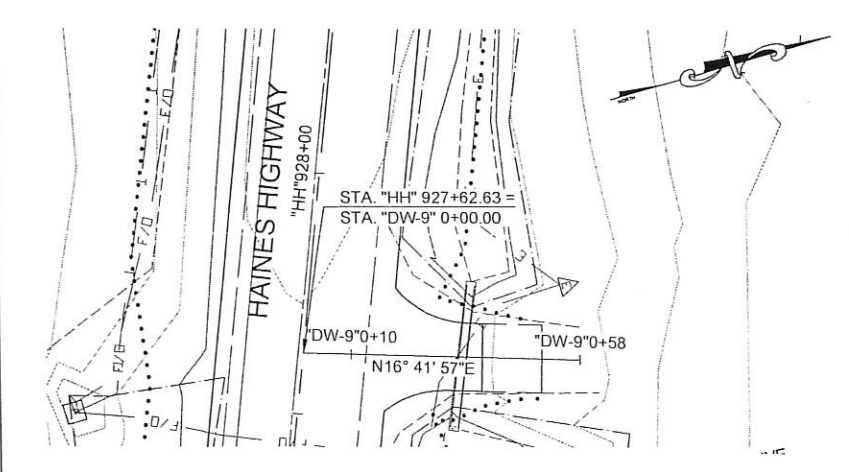
DW-6 PROFILE



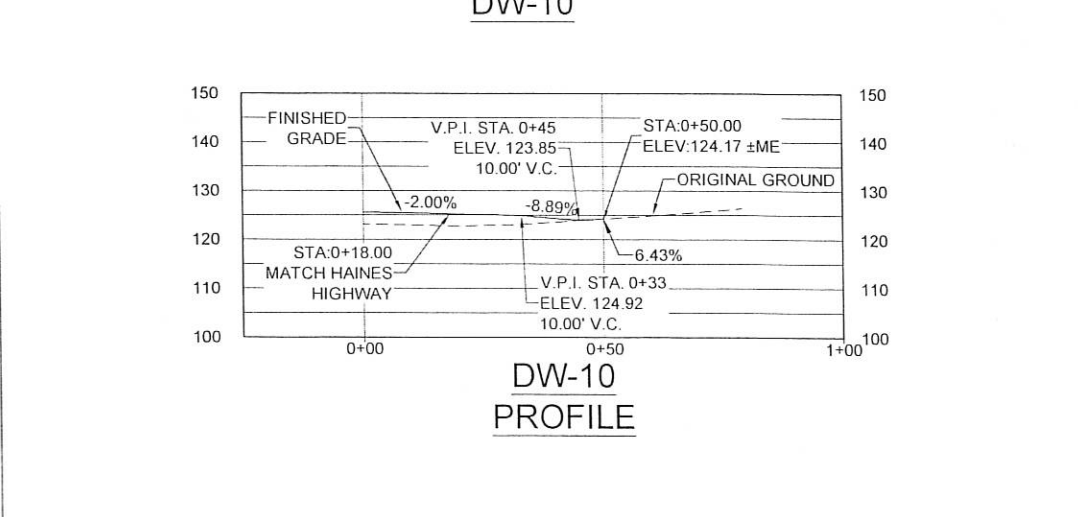
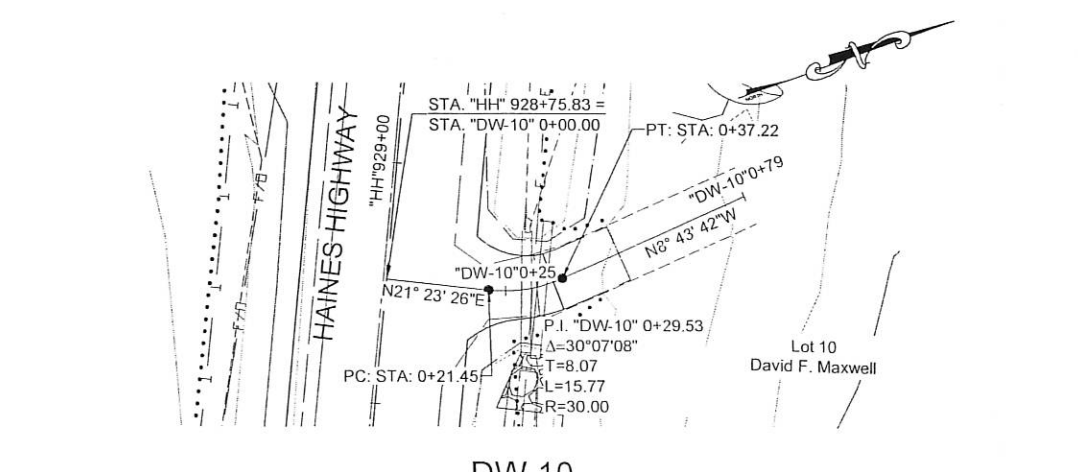
DW-7 PROFILE



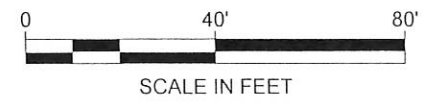
DW-8 PROFILE



DW-9 PROFILE

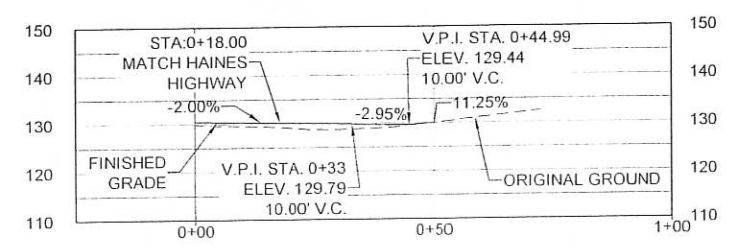
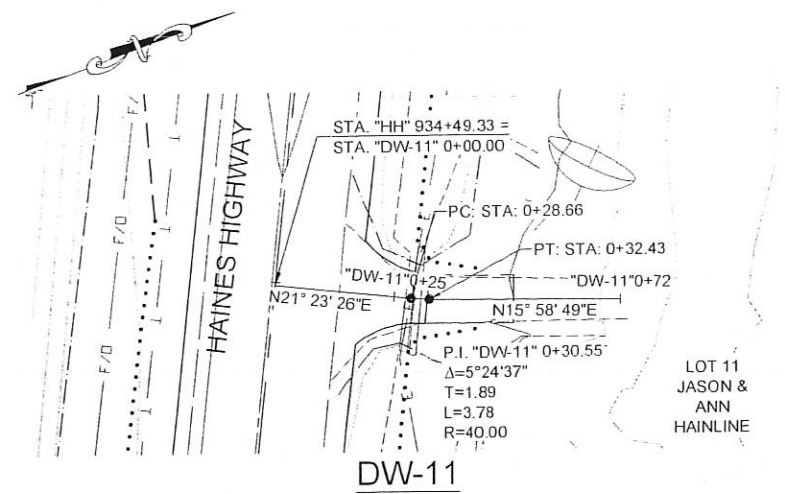


DW-10 PROFILE

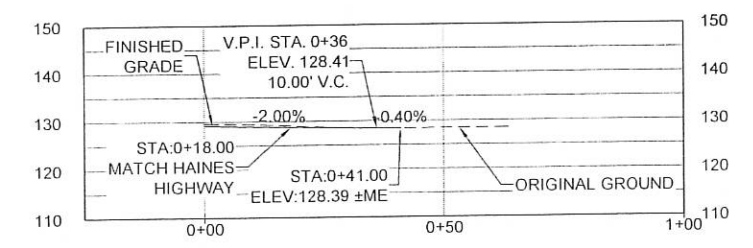
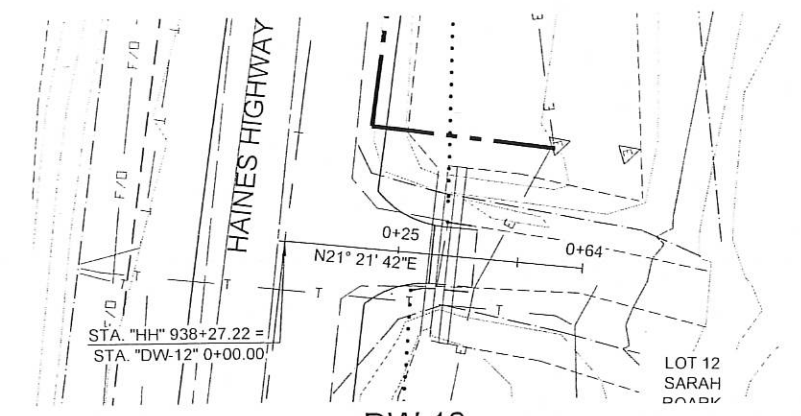


FILE C:\Civil 3D Projects\2018\24\61850-02\Civil\SC-CT-CR-61850.dwg
 DATE 8/28/2018 13:17 LAYOUT G6
 DESIGNED SRT
 CHECKED NRH
 DRAFTED CJS

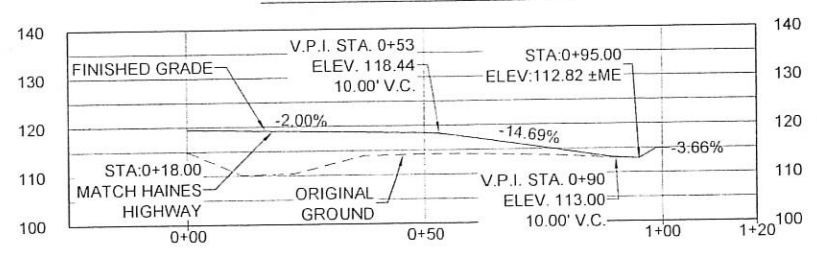
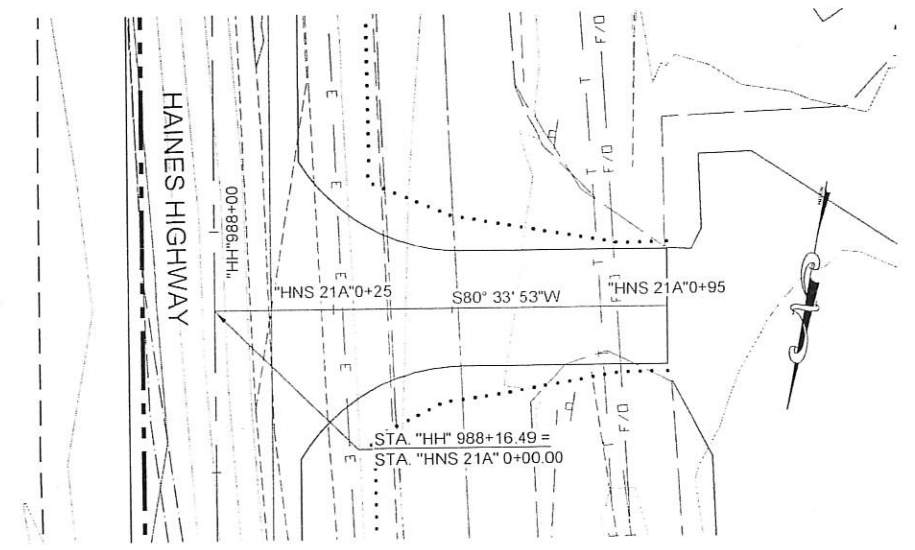
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHWHY00171	2018	G6	G10



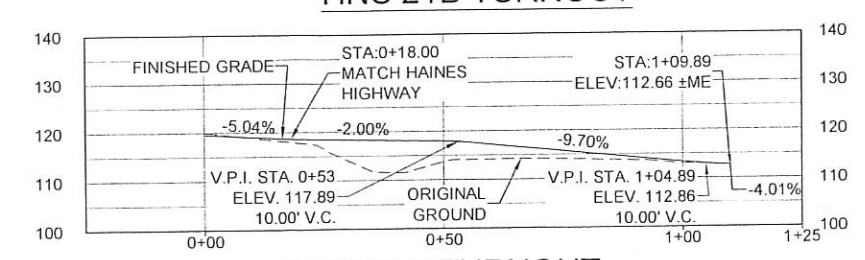
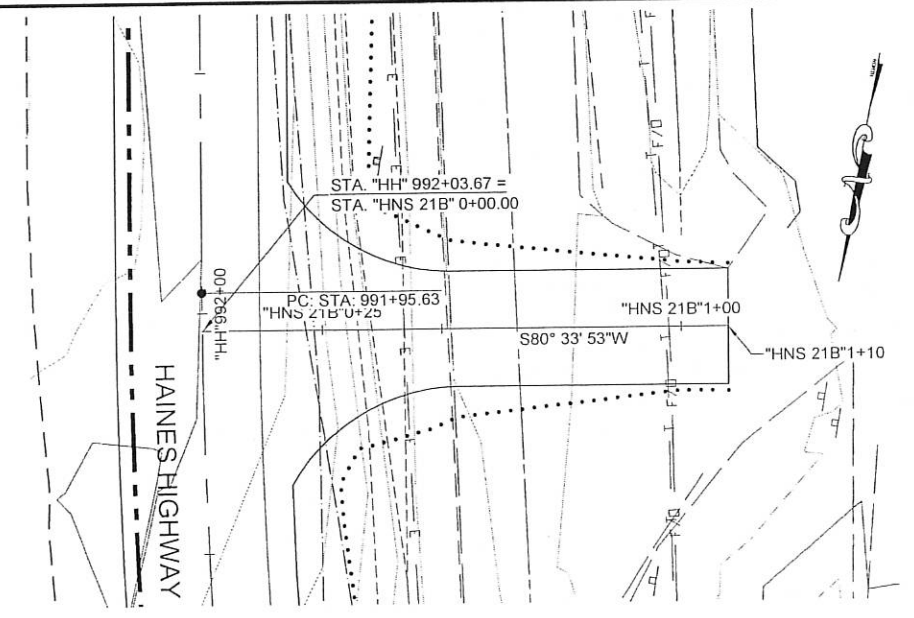
DW-11 PROFILE



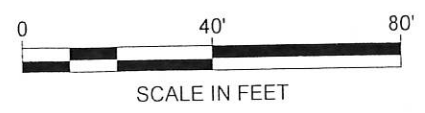
DW-12 PROFILE



HNS 21A TURNOUT PROFILE

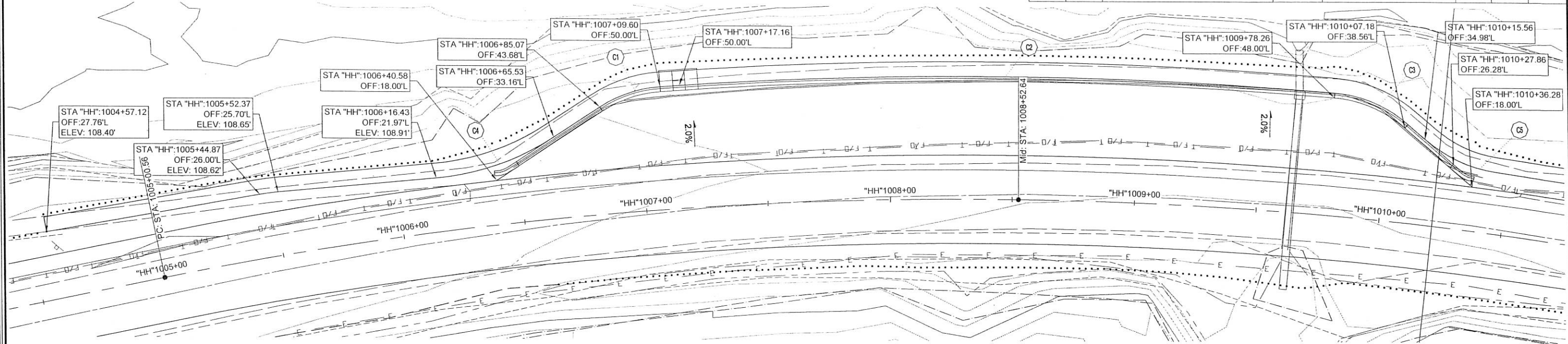


HNS 21B TURNOUT PROFILE



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHwy00171	2018	G7	G10

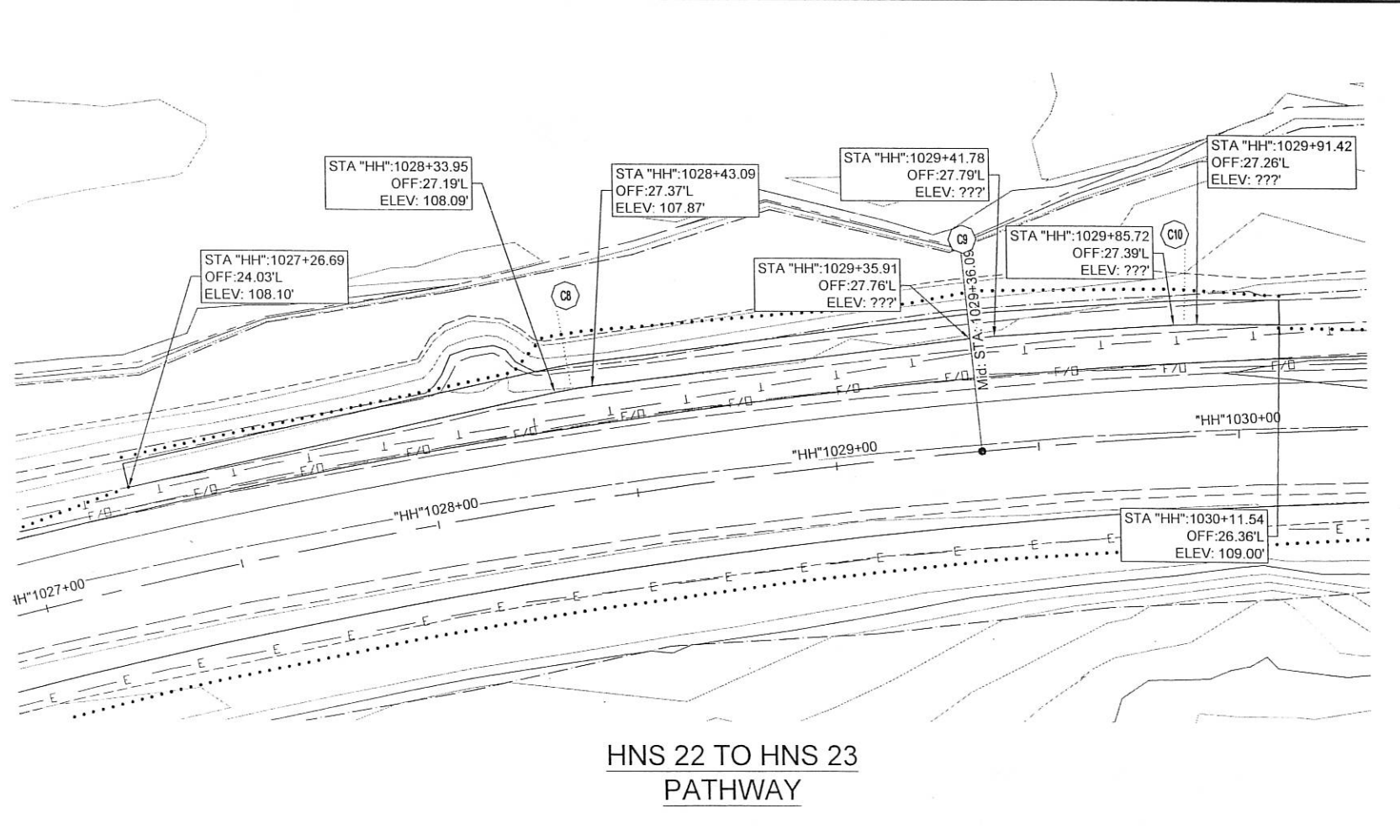
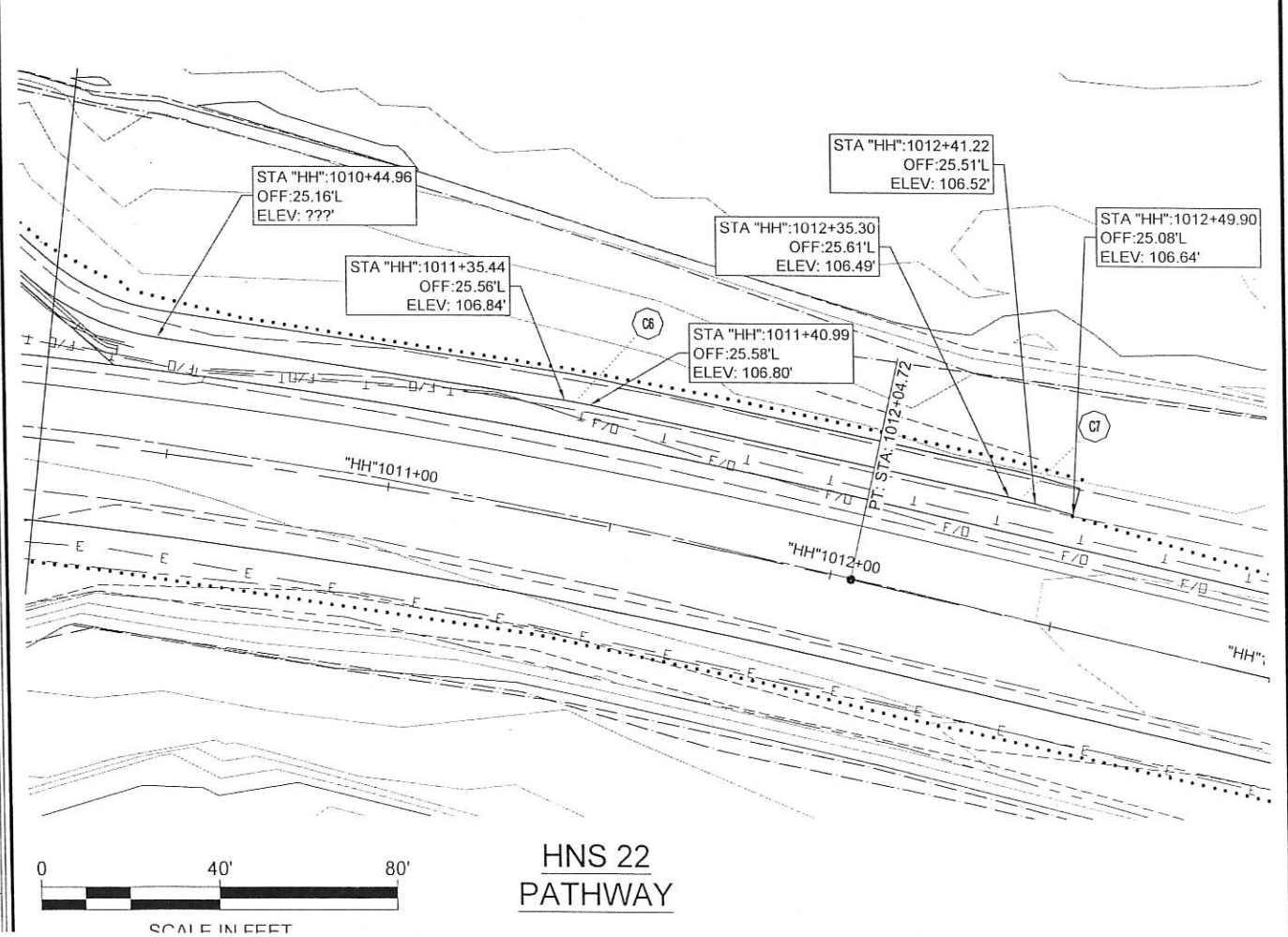
CJS DRAFTED NRH CHECKED SRT DESIGNED LAYOUT G7 DATE 8/28/2018 13:17 FILE C:\Civil1 3D Projects\2018\241850-02\Civil1\NSC-CT-CR-61850.dwg



POINT	DESCR.	ALGN.	STATION (CENTER)	OFFSET (CENTER)	RADIUS	LENGTH
C1	EOP	HH	1006+71.37	2.0' RT	50'	25.27'
C2	EOP	HH	1011+66.48	1660.0' RT	1708'	276.42'
C3	EOP	HH	1009+40.03	2.0' RT	50'	31.67'
C4	EOP	HH	1005+81.95	127.9' LT	106'	51.66'
C5	EOP	HH	1010+07.95	81.2' RT	56'	31.93'

POINT	DESCR.	ALGN.	STATION (CENTER)	OFFSET (CENTER)	RADIUS	LENGTH
C6	EOP	HH	1011+00.30	68.4' RT	94'	5.63'
C7	EOP	HH	1011+98.33	68.4' RT	94'	5.91'
C8	EOP	HH	1028+02.26	72.6' RT	100'	9.30'
C9	EOP	HH	1029+01.16	72.2' RT	100'	5.97'
C10	EOP	HH	1029+47.97	72.6' RT	100'	5.80'

HNS 22 TURNOUT



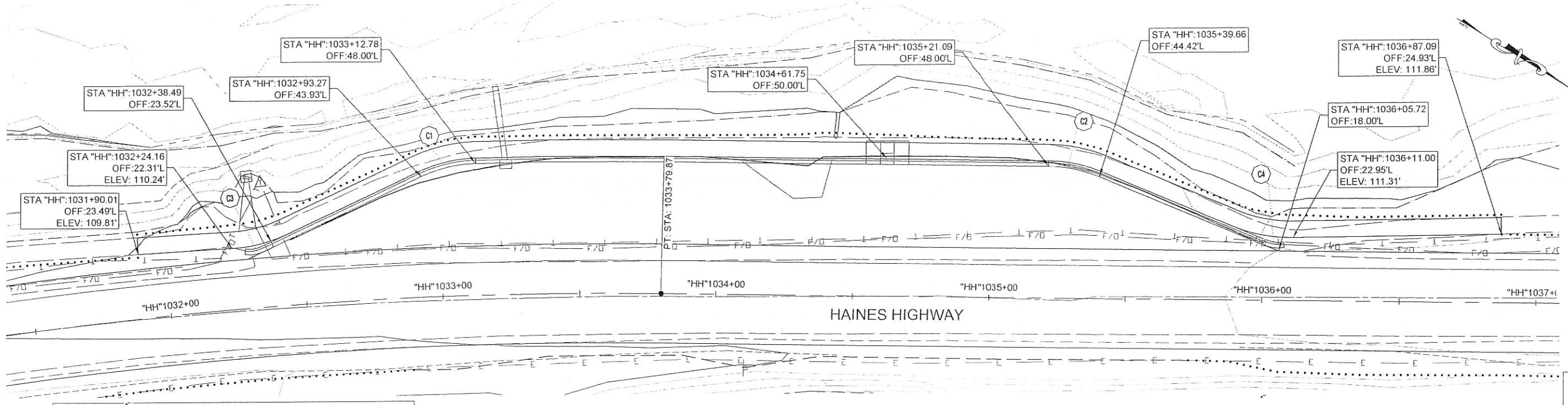
HNS 22 PATHWAY

HNS 22 TO HNS 23 PATHWAY



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHwy00171	2018	G8	G10

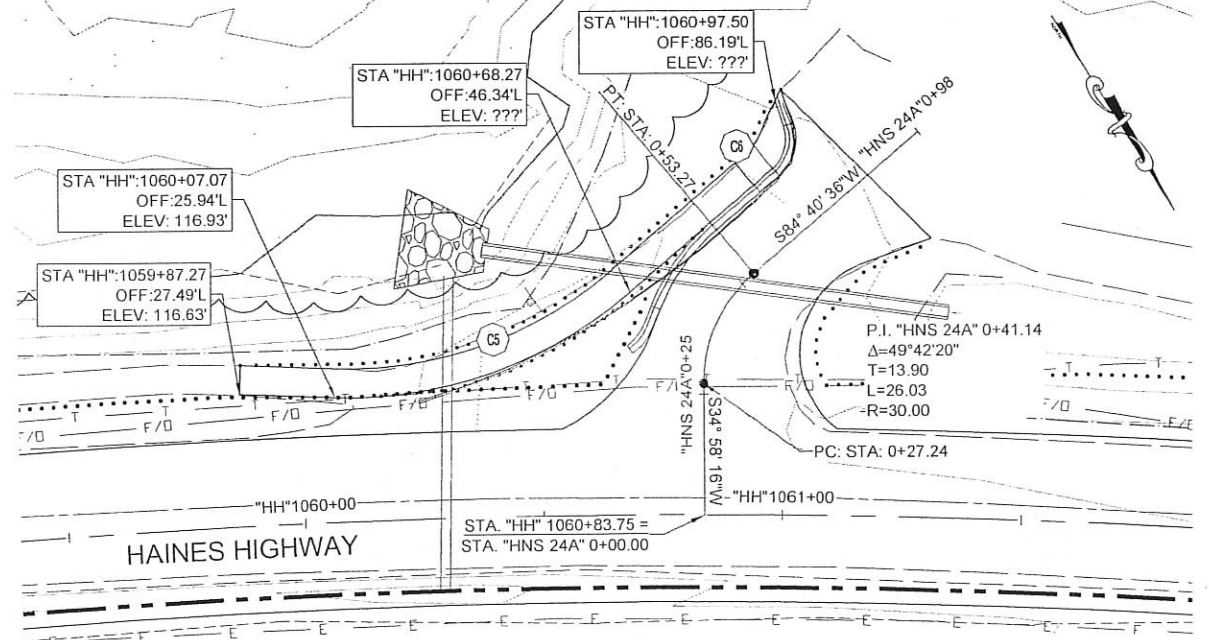
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 DATE 10/28/2018 13:17 LAYOUT G8
 DESIGNED SRT CHECKED NRH DRAFTED CJS



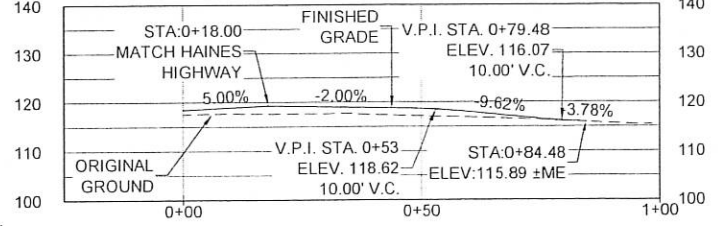
CURVE TABLE

POINT	DESCR.	ALGN.	STATION (CENTER)	OFFSET (CENTER)	RADIUS	LENGTH
C1	EOP	HH	1032+74.55	2.0' RT	50'	20.63'
C2	EOP	HH	1034+82.85	2.0' RT	50'	19.03'
C3	EOP	HH	1031+87.18	78.3' LT	56'	21.32'
C4	EOP	HH	1035+71.32	78.9' LT	56'	22.67'

HNS 23 TURNOUT



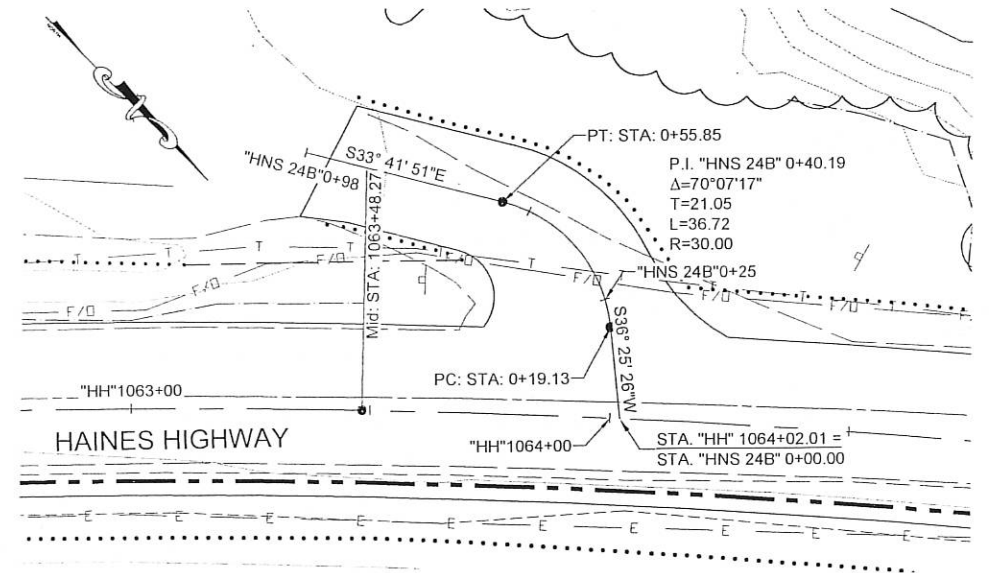
HNS 24A



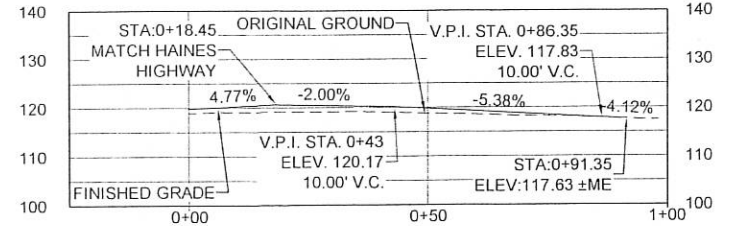
HNS 24A PROFILE

CURVE TABLE

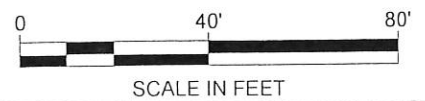
POINT	DESCR.	ALGN.	STATION (CENTER)	OFFSET (CENTER)	RADIUS	LENGTH
C5	EOP	HH	1059+74.97	115.71' LT	90'	67.14'
C6	EOP	HNS 24A	0+70.49	22.00' LT	8'	9.65'



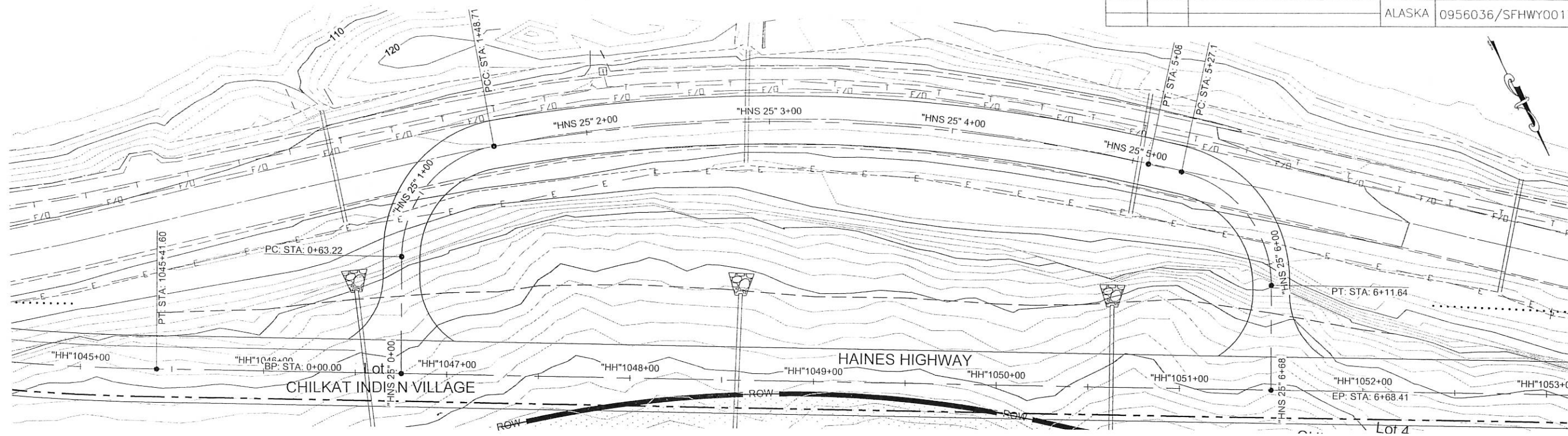
HNS 24B



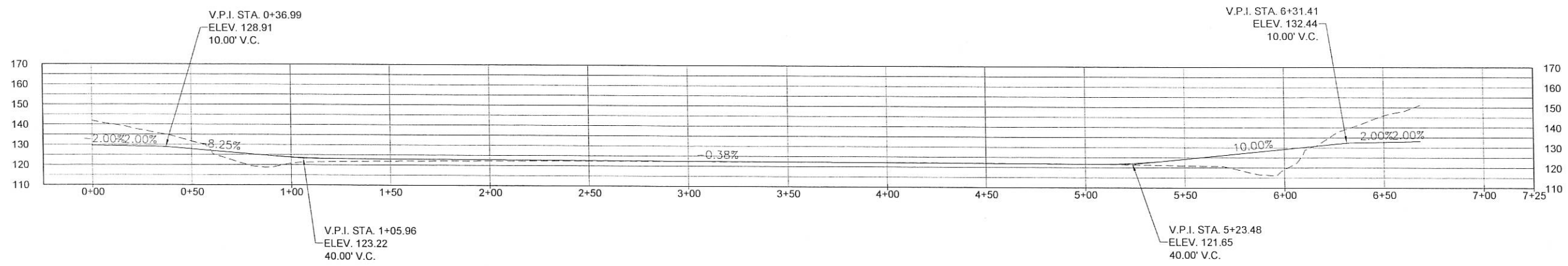
HNS 24B PROFILE



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHWHY00171	2018	G9	G10



HNS 25



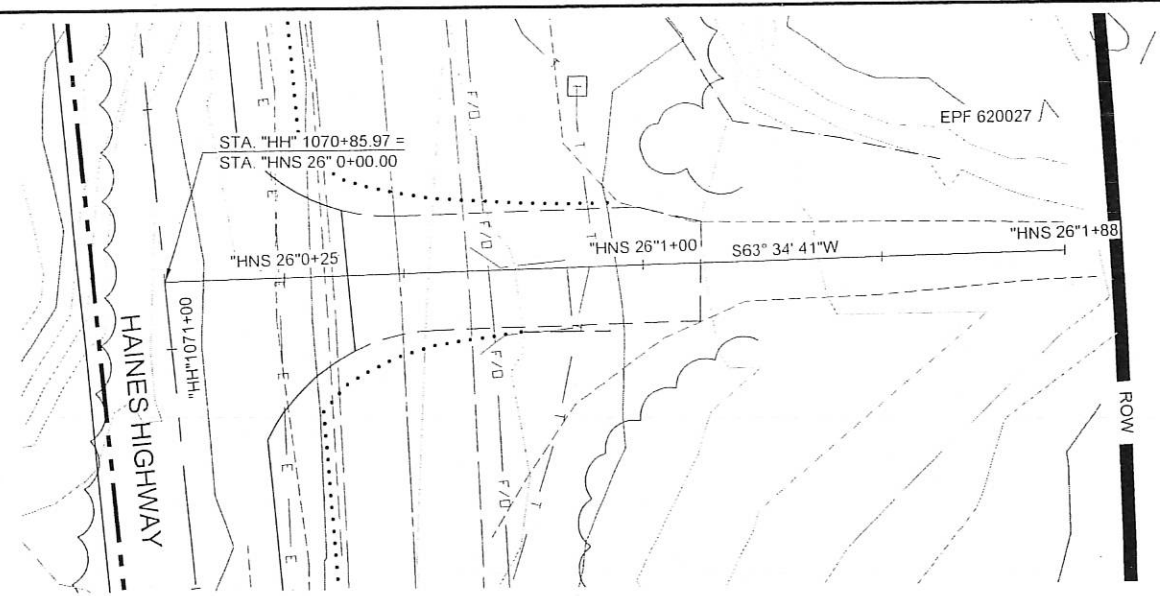
HNS 25
PROFILE



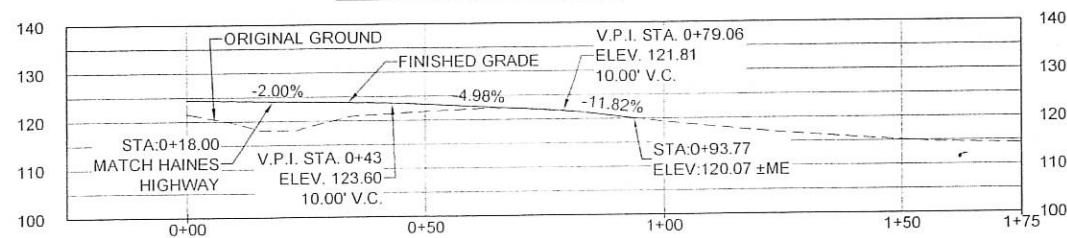
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 DATE: 8/28/2018 13:17 LAYOUT: G9
 DESIGNED: SRT
 CHECKED: NRH
 DRAFTED: CJS

FILE C:\civ11 3D Projects\2018\2161850-02\Civil\SC-CT-GR-61850.dwg DATE 8/28/2018 13:17 LAYOUT G10 DESIGNED SRT CHECKED NRH DRAFTED CJS

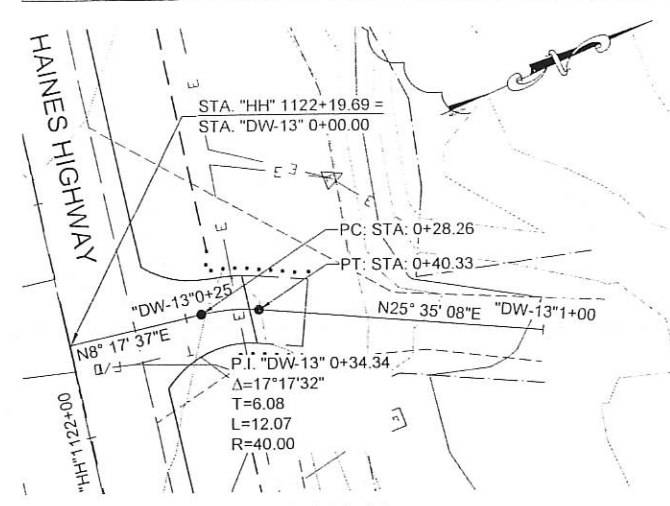
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHwy00171	2018	G10	G10



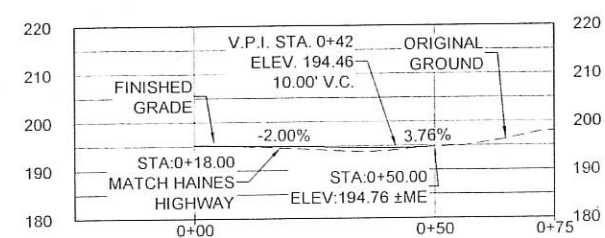
HNS 26 TURNOUT



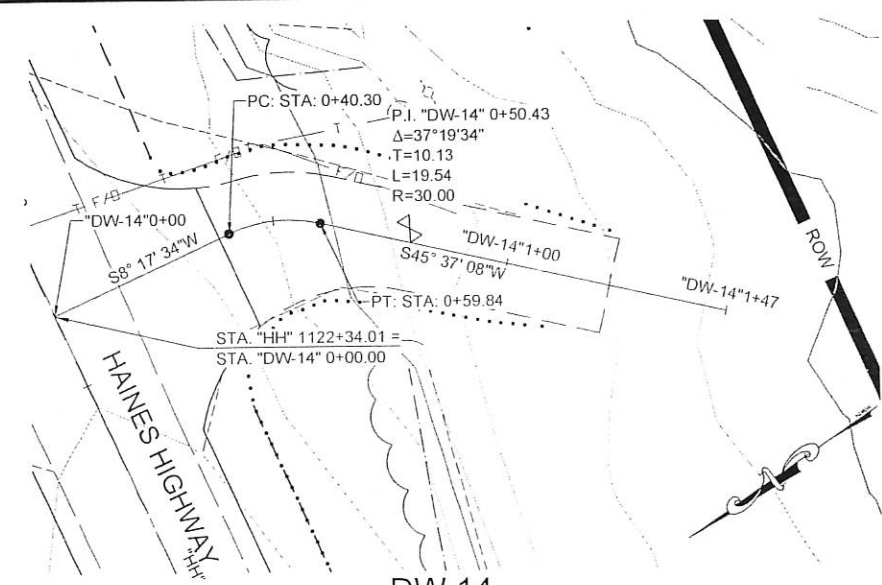
HNS 26 TURNOUT PROFILE



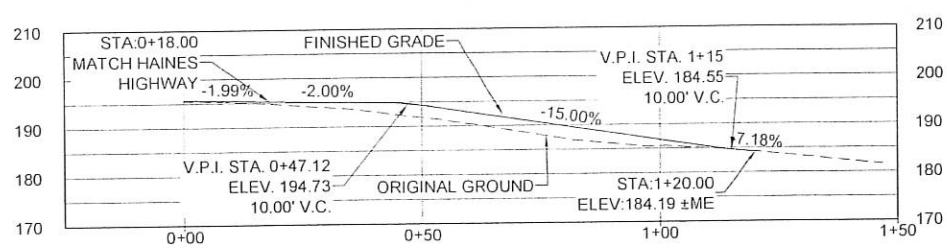
DW-13



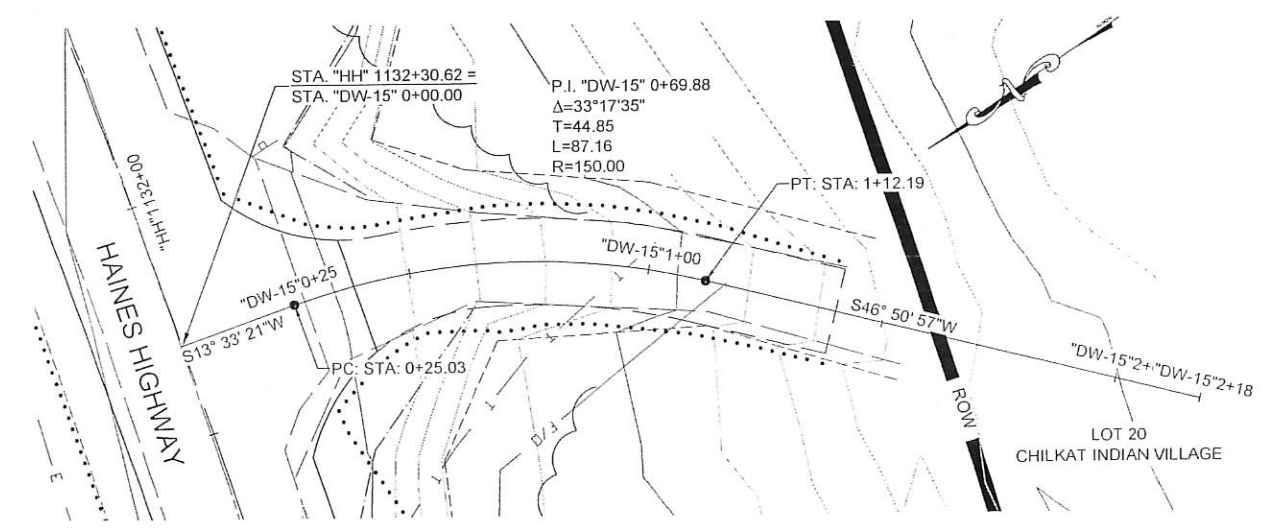
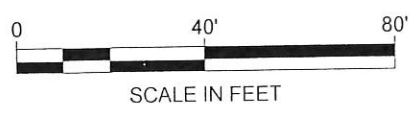
DW-13 PROFILE



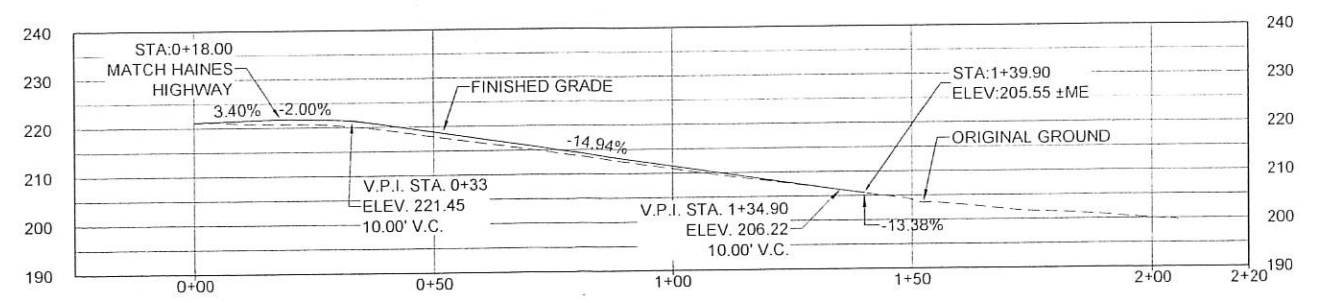
DW-14



DW-14 PROFILE



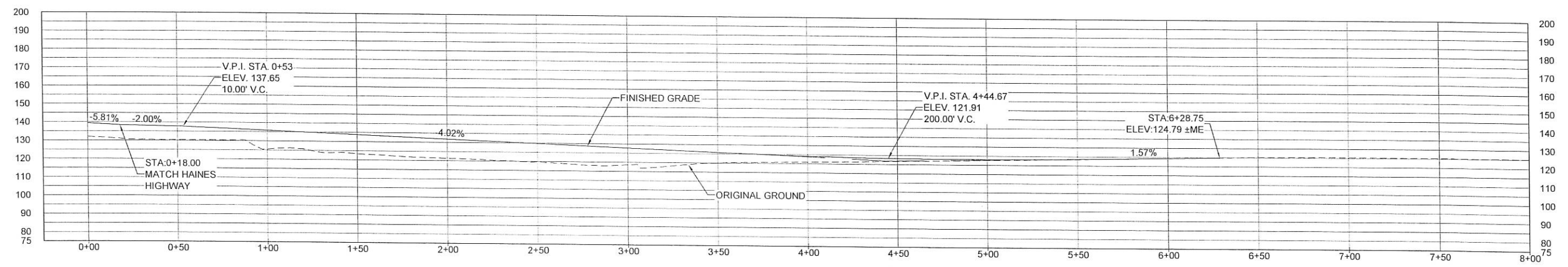
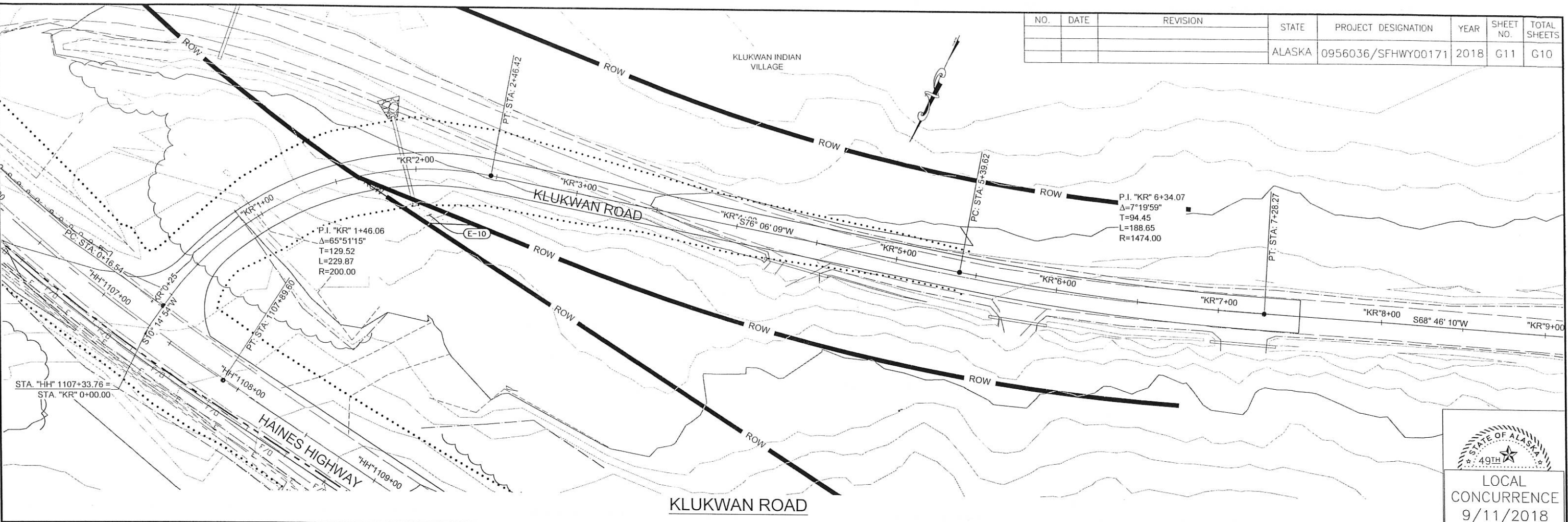
DW-15



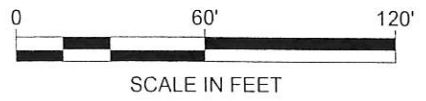
DW-15 PROFILE

FILE C:\CIVIL\3D Projects\2018\24\61850-02\Civil\SC-CT-CR-61850.dwg
 DATE B/28/2018 13:17 LAYOUT G11
 DESIGNED SRT CHECKED NRH DRAFTED CJS
 TOTAL SHEETS G10

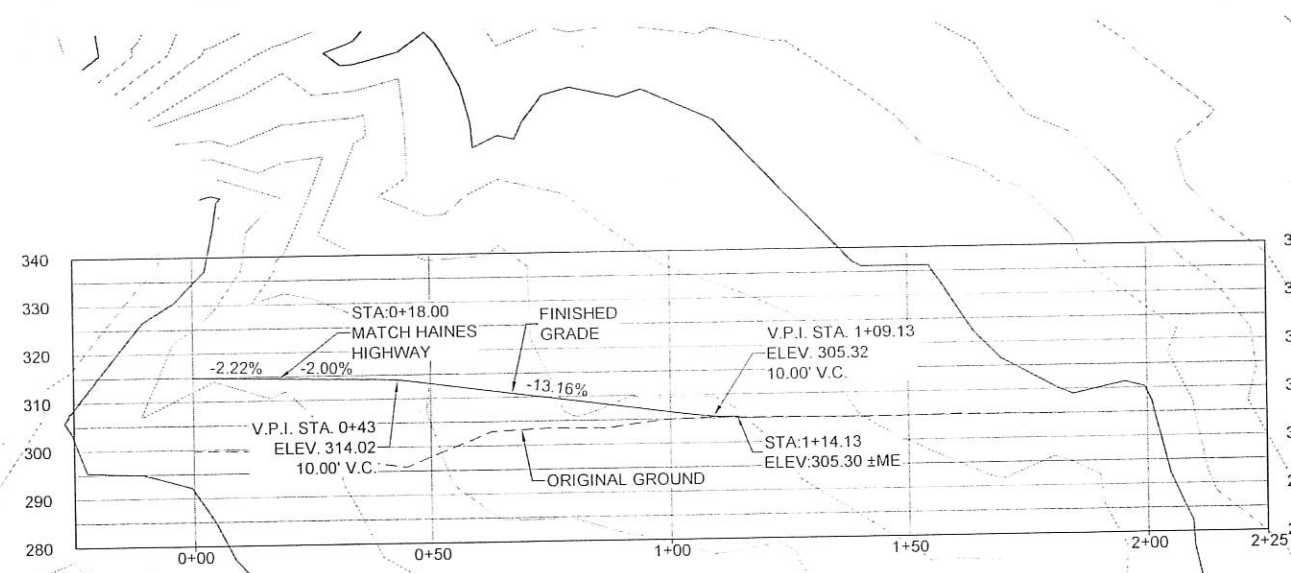
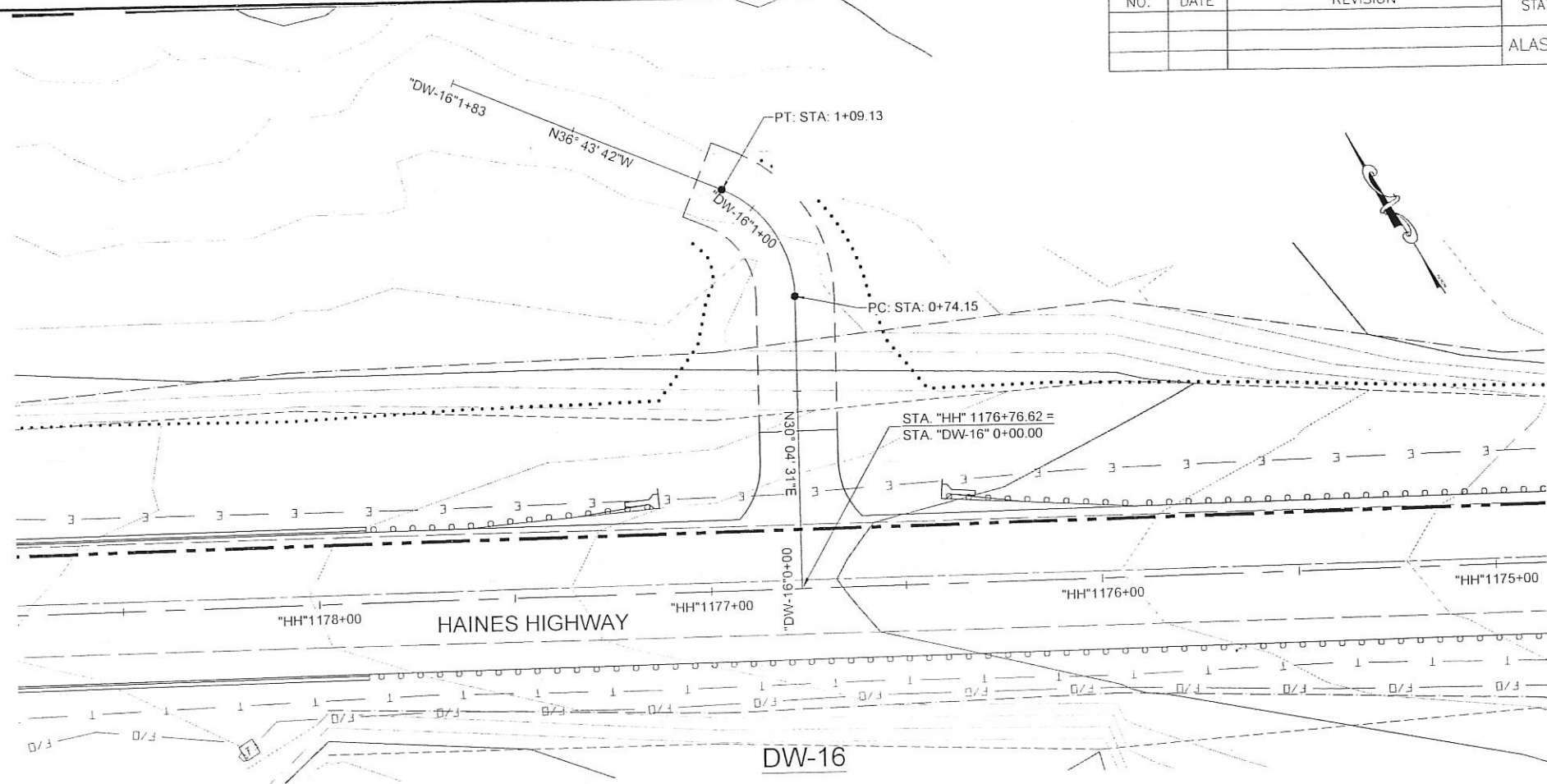
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHXY00171	2018	G11	G10



KLUKWAN ROAD PROFILE



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0956036/SFHWHY00171	2018	G12	G10



FILE C:\civil\3D\Projects\2016\24\61850-02\Civil\SC-CT-GR-61850.dwg
 DATE 8/28/2018 13:17 LAYOUT G12
 DESIGNED SRT CHECKED NRH DRAFTED CJS