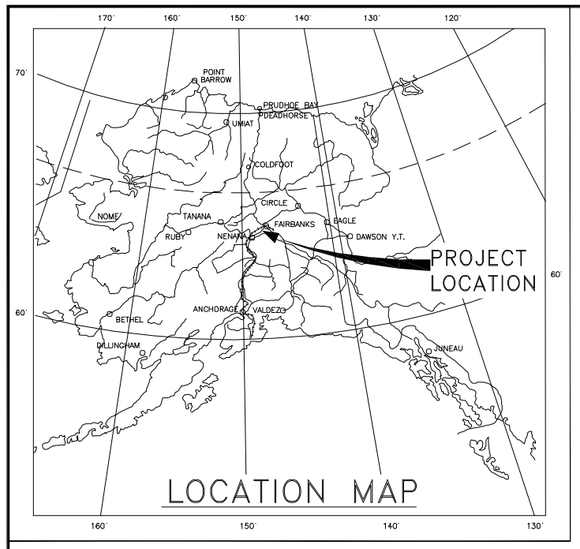
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0A45028/Z606570000	2020	A1	X
CDS ROUTE: 170000	MILEPOINT: 285 TO 290.96			



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

PROPOSED HIGHWAY PROJECT

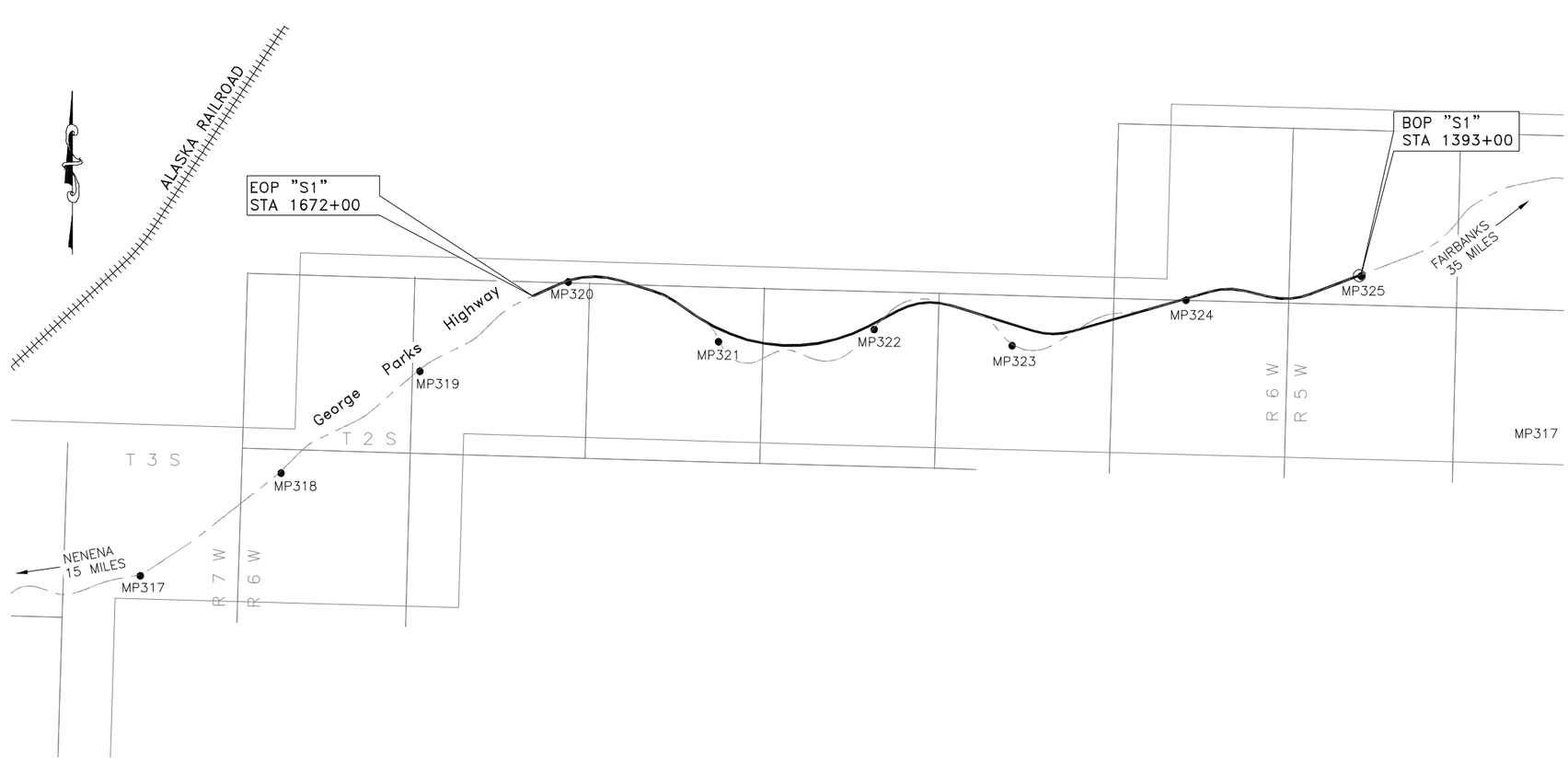
PARKS HIGHWAY MP 320–325

0A45028/Z606570000

GRADING, DRAINAGE, PAVING

75% CONTRACTOR REVIEW
NOVEMBER 25, 2020

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2	LEGEND
A3	GENERAL NOTES
A4	KEY MAP
B1–B2	TYPICAL SECTIONS
C1	ESTIMATE OF QUANTITIES (SEE Qty Calcs
D1	SUMMARIES
E1	DETAILS
F1–F19	PLAN & PROFILE
G	APPROACH SUMMARY AND DETAILS
H	SIGNING SUMMARY (SEE F SHEETS)
Q	EROSION & SEDIMENT CONTROL PLAN (NOT INCLUDED)
S	CROSS SECTIONS
T	TRAFFIC CONTROL PLAN (NOT INCLUDED)
V	STANDARD PLANS (NOT INCLUDED)



DESIGN DESIGNATIONS	
ADT (2016)	1800
ADT (2040)	2430
DHV (%)	14.5%
PERCENT TRUCKS (T)	17%
DIRECTIONAL SPLIT (D)	35/65
DESIGN SPEED (V)	70 MPH
DESIGN ESAL'S (15 YEARS)	1,530,697

PROJECT SUMMARY	
WIDTH OF PAVEMENT	40 FT
LENGTH OF GRADING	27900 FT
LENGTH OF PAVING	27900 FT
LENGTH OF PROJECT	27900 FT

JENNIFER WRIGHT, P.E., PROJECT MANAGER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

APPROVED BY:

_____ DATE _____

Sarah E. Schacher, P.E.
Preconstruction Engineer, Northern Region

ACCEPTED FOR CONSTRUCTION:

_____ DATE _____

Ryan F. Anderson, P.E.
Regional Director, Northern Region

T:\AKDOT\148830 – DOT&PF Parks 305–325 P\04 CADD\319–325\60657_Cover_SEG1–Cover Mon, Nov/30/20 01:15am

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0A45028/Z606570000	2020	A2	A3

	RECOVERED	SET
USC&GS MONUMENT		
PRIMARY MONUMENT		
CENTERLINE MONUMENT IN CASING		
PRIMARY R.O.W. MONUMENT		
BENCHMARK		BM
REBAR AND CAP		
CONSTRUCTION CENTERLINE	5+00	
MISCELLANEOUS CENTERLINE	10+00	
STATION EQUATION	"L"48+97.23 POT BK= "O"48+97.23 PC AHD	
PROJECT RIGHT-OF-WAY LINE	R/W	
EXISTING RIGHT-OF-WAY LINE		
EXISTING PROPERTY LINE		
TEMPORARY EASEMENT LINE (TCP OR TCE)	TCP	
ACCESS OR SECTION LINE EASEMENT	ACCESS EASEMENT	
PROPOSED CUT SLOPE LIMIT		
PROPOSED FILL SLOPE LIMIT		
SECTION LINE		
1/4 SECTION LINE		
1/16 SECTION LINE		
TOWNSHIP & RANGE LINE	T. 2 N. / T. 1 N. / T. 1 E. / T. 2 E.	

	EXISTING	PROPOSED
ELECTRIC LINE (OVERHEAD)		
POWER POLE LINE		
JOINT USE POWER & TELEPHONE		
TELEPHONE POLE LINE		
POLE ANCHOR		
GCI FIBER OPTIC	— FO — FO — FO — FO —	
ROADWAY/PAVEMENT EDGE		
FENCE	--X---X---X---X--	—X—X—X—X—
GUARDRAIL		
CULVERT PIPE		
SIGN		
MAILBOX	MB	MB
TREE LINE		
WATER BOUNDARY		
ORDINARY HIGH WATER LINE		
FLOW CENTERLINE		
FLOW DIRECTION		
WETLANDS		
EXISTING BUILDINGS	H H = HOUSE G = GARAGE M = MERCHANT/STORE B = BARN S = SHED P = PRIVY SS= SERVICE STATION W = WAREHOUSE	
TEST HOLE	TH	
CONIFER TREE		
DECIDUOUS TREE		

ABBREVIATIONS

Δ	CENTRAL ANGLE OF CURVE
ACS	ALASKA COMMUNICATIONS SYSTEMS
ADT	AVERAGE DAILY TRAFFIC
BFS	BEGIN FULL SUPER
BM	BENCHMARK
BMP	BEST MANAGEMENT PRACTICES
BNC	BEGIN NORMAL CROWN
BNS	BEGIN NORMAL SHOULDER
BOP	BEGINNING OF PROJECT
BP	BEGIN POINT
℄, CL	CENTERLINE
COM	COMMERCIAL
CMP	CORRUGATED METAL PIPE
CP	CONTROL POINT
CSP	CORRUGATED STEEL PIPE
CY	CUBIC YARDS
D	DEGREE OF CURVATURE
DEMO	DEMOLITION
DHV	DESIGN HOURLY VOLUME
DNR	DEPARTMENT OF NATURAL RESOURCES
DOR	DESIGNER OF RECORD
DRWY	DRIVEWAY
E	EASTING
EFS	END FULL SUPER
EG	EXISTING GROUND
ELEV, EL	ELEVATION
ENC	END NORMAL CROWN
EOA	END OF ALIGNMENT
EOP	END OF PROJECT
EP	END POINT
EQU	EQUATION
ESAL	EQUIVALENT SINGLE AXLE LOAD
ESCP	EROSION AND SEDIMENT CONTROL PLAN
EX	EXISTING
FG	FINISHED GRADE
FT	FEET
GALV	GALVANIZED
HT	HEIGHT
HWY	HIGHWAY
IN	INCHES
L	LENGTH OF CURVE
LBS	POUNDS
LC	LEVEL CROWN
LDP	LOW DISTORTION PROJECTION
LF	LINEAR FOOT
LP	LOW POINT
LS	LUMP SUM
LT	LEFT
LVC	LENGTH VERTICAL CURVE
MAX	MAXIMUM
MB	MAILBOX
MIN	MINIMUM
MSF	THOUSAND SQUARE FEET
N	NORTHING
NTS	NOT TO SCALE
PC	POINT OF CURVATURE
P.C.C.	POINT OF CURVATURE ON CURVE
P.E.	PROFESSIONAL ENGINEER
PI	POINT OF INTERSECTION
POC	POINT ON CURVE
POT	POINT ON TANGENT
PT	POINT OF TANGENCY
R	RADIUS OF CURVE
RC	REVERSE CROWN
RD	ROAD
ROW, R/W	RIGHT OF WAY
RT	RIGHT
S	SUPERELEVATION
SF	SQUARE FEET
STA	STATION
SWPPP	STORM WATER POLLUTION PREVENTION PLAN
SY	SQUARE YARD
T	TANGENT LENGTH
TBM	TEMPORARY BENCHMARK
TCE	TEMPORARY CONSTRUCTION EASEMENT
TCP	TEMPORARY CONSTRUCTION PERMIT
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
VPC	VERTICAL POINT OF CURVATURE
VPI	VERTICAL POINT OF INTERSECTION
VPT	VERTICAL POINT OF TANGENCY
W, WTR	WATER

PLAN VIEW KEY

(P) STATION / DIAMETER X LENGTH — *INSTALL CULVERT PIPE*	(A) STATION / TYPE, WIDTH — *CONSTRUCT APPROACH*
(R) STATION / DIAMETER X LENGTH — *REMOVE PIPE*	(#) STATION / SIGN CODE(S) — *SIGN LOCATION #*
(AP) STATION / DIAMETER X LENGTH — *ABANDON IN PLACE*	(C) STATION / DIAMETER X LENGTH — *CLEAN CULVERT PIPE*

LEGENDS

75% CNST REVIEW 11/20

PLANS DEVELOPED BY: MICHAEL BAKER INTERNATIONAL, AECC103, 3900 C STREET SUITE 900, ANCHORAGE, AK 99503 (907) 273-1600
T:\AKDOT\148830 - DOT&PF Parks 305-325 PI\04 CADD\319-325\60657_Legends_SEG1-LEGEND Mon, Nov/30/20 01:16am

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0A45028/Z606570000	2020	A3	A4

GENERAL NOTES:

1. PERFORM ALL WORK WITHIN THE ESTABLISHED RIGHT-OF-WAY AND TEMPORARY CONSTRUCTION PERMIT AREAS.

2. PRESERVE EXISTING PRIMARY AND SECONDARY MONUMENTS TO THE EXTENT PRACTICABLE. REPLACE MONUMENTS DISTURBED BY CONSTRUCTION ACTIVITIES AS FOLLOWS: REPLACE DESTROYED MONUMENTS WITH 2 REFERENCE MONUMENTS OUTSIDE THE CONSTRUCTION FOOTPRINT. THIS WORK WILL NOT BE MEASURED OR PAID FOR DIRECTLY, BUT IS SUBSIDIARY TO PAY ITEM 642.0001.0000.

3. FUEL STORAGE WILL NOT BE ALLOWED WITHIN 100-FT OF WATER BODIES AND MUST HAVE SECONDARY CONTAINMENT.

4. AVAILABLE SOURCES. THE AVILABLE SOURCE LISTED BELOW ARE UNDER PERMIT TO THE DEPARTMENT BY THE CONTROLLING AGENCY AND ARE AVAILABLE FOR USE BY THE CONTRACTOR UNDER THIS CONTRACT. AN APPROVE MINING AND RECLAMATION PLAN IS REQUIRED PRIOR TO UTILIZING DEPARTMENT FURNISHED SOURCES. ADDITIONAL SOURCES MAY BE NEEDED TO COMPLETE THE REQUIRED WORK LAID OUT IN THIS CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE TO SECURE ALL NECESSARY PERMITS, RIGHTS, PLAN APPROVALS, AND PAY ALL ASSOCIATED COSTS TO UTILIZE ANY ADDITIONAL MATERIAL SOURCES.

MS NAME	MS ID#	APPROXIMATE MILE POST	OWNER	AVAILABLE MATERIAL
REX PIT	MS 37-2-069-2	277	STATE OF ALASKA	CRUSHED AGGREGATE

5. SUBGRADE EMBANKMENT CONSTRUCTION REQUIREMENTS ARE AS FOLLOWS:

EMBANKMENT SECTION DEPTH[1]	EMBANKMENT CONSTRUCTION	MOISTURE AND DENSITY CONTROL	MAXIMUM LIFT THICKNESS EXCEPTION
4' TO 10'	203-3.03	203-3.04	NONE
10' +	203-3.03	303-3.05[2]	1.5' (3' FOR ROCK EXCAVATION[3])

[1] DEPTH MEASURED FROM FG
[2] COMPACTION SHALL BE APPROVED BY THE ENGINEER
[3] AS DEFINED BY SECTION 203, SUBSECTION 203-2.01 "MATERIALS

UTILITY NOTES:

1. LOCATE AND PROTECT ALL UTILITIES PRIOR TO CONSTRUCTION. ALL UTILITIES WITHIN THE PROJECT SHALL REMAIN IN PLACE AND IN SERVICE DURING CONSTRUCTION. THE PRESENCE AND LOCATION OF UTILITIES SHOWN ARE BASED OFF OF LIMITED SURVEY, UTILITY PERMITS & SYSTEM MAPS. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE PRESENCE AND LOCATION OF UTILITIES IN THE FIELD PRIOR TO PERFORMING ANY EARTH DISTURBING ACTIVITIES. CALL THE DIGLINE AT 1-800-478-3121 OR 811 FOR LOCATES.

2. PROTECT OR REMOVE AND REPLACE EXISTING UTILITY MARKER POSTS. THIS WORK IS SUBSIDIARY TO OTHER PAY ITEMS.

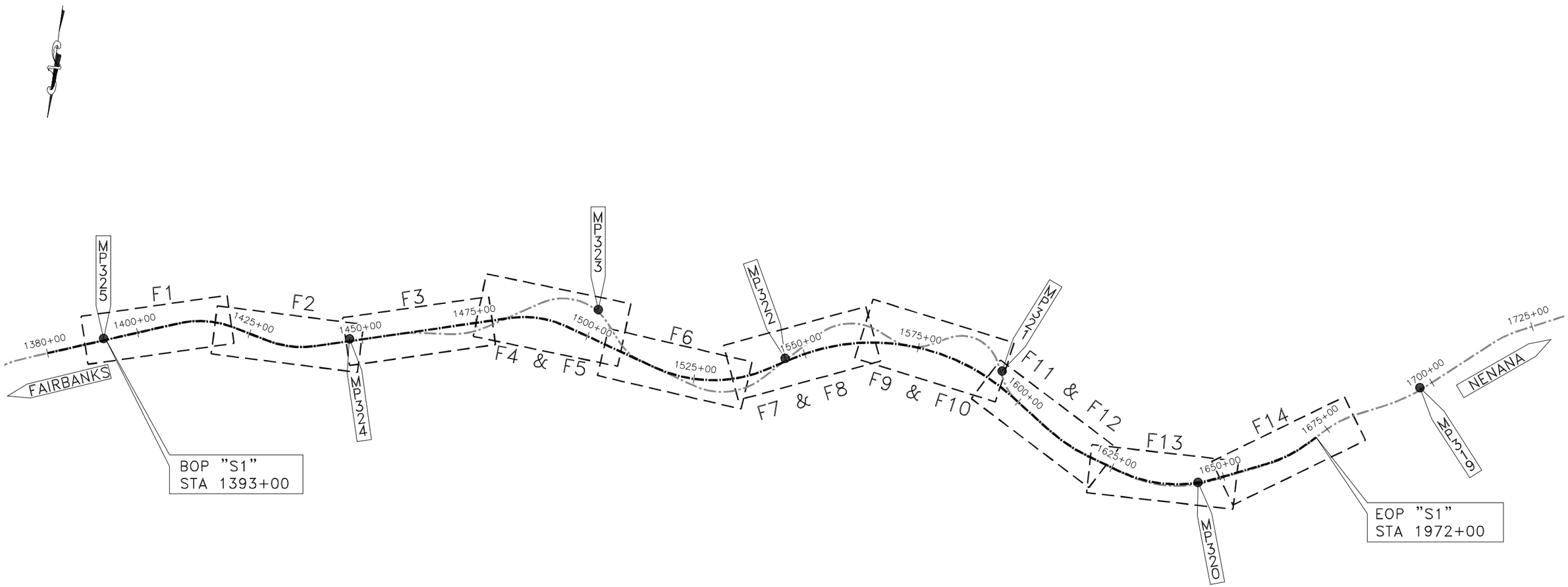
PLANS DEVELOPED BY: MICHAEL BAKER INTERNATIONAL, AECC103, 3900 C STREET SUITE 900, ANCHORAGE, AK 99503 (907) 273-1600
T:\AKDOT\148830 - DOT&PF Parks 305-325 P1\04 CADD\319-325\60657_General Notes_SEG1-GENERAL NOTES Mon, Nov/30/20 01:16am

GENERAL NOTES

75% CNST REVIEW 11/20

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0A45028/Z606570000	2020	A4	A4



KEY PLAN

75% CNST REVIEW 11/20

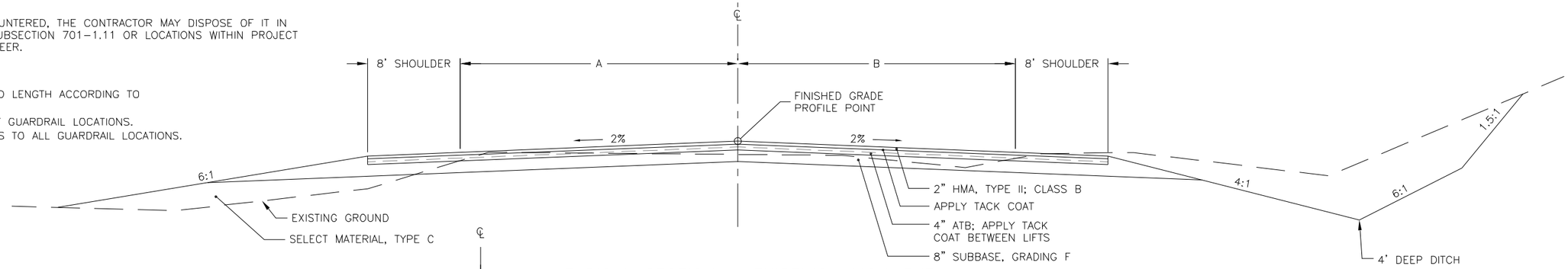
PLANS DEVELOPED BY: MICHAEL BAKER INTERNATIONAL, AECC103, 3900 C STREET SUITE 900, ANCHORAGE, AK 99503 (907) 273-1600
T:\AKDOT\148830 - DOT&PF Parks 305-325 PI\04 CADD\319-325\60657_Key-SEG1-KEY PLAN Mon, Nov/30/20 01:16am

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	PENDING/NFHWY00476	2020	B1	B2

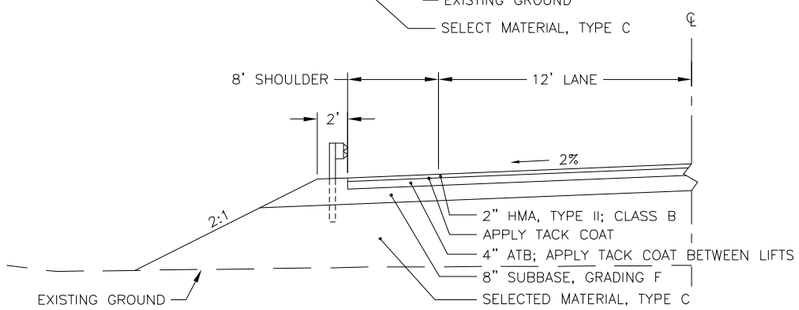
GENERAL TYPICAL SECTION NOTES:

1. REMOVAL OF ASPHALT WILL BE PAID FOR UNDER 202.0002.0000.
2. REMOVE EXISTING ORGANIC MAT UNDER PROPOSED ALIGNMENT AND TOE IN UNDISTURBED LOCATIONS PRIOR TO PLACING BORROW, PAID FOR AS 201.0009.0000 CLEARING AND GRUBBING.
3. CLEARING AND GRUBBING LIMITS EXTEND 10 FT PAST THE PROPOSED TOE OF SLOPE.
4. POINT OF SUPERELEVATION ROTATION IS ABOUT CENTERLINE.
5. BENCH CUT SLOPS GREATER THAN 30 FT MAY REQUIRE MULTIPLE BENCHES TO DAYLIGHT.
6. IF EXCESS EXCAVATION IS ENCOUNTERED, THE CONTRACTOR MAY DISPOSE OF IT IN OFFSITE DISPOSAL SITES PER SUBSECTION 701-1.11 OR LOCATIONS WITHIN PROJECT LIMITS APPROVED BY THE ENGINEER.
7. GUARDRAIL WIDENING
   - 7.1. GUARDRAIL POST HEIGHT AND LENGTH ACCORDING TO STANDARD PLAN G-10.11.
   - 7.2. CONSTRUCT SAFETY EDGE AT GUARDRAIL LOCATIONS.
   - 7.3. GUARDRAIL WIDENING APPLIES TO ALL GUARDRAIL LOCATIONS.



TYPICAL SECTION – EXISTING ALIGNMENT

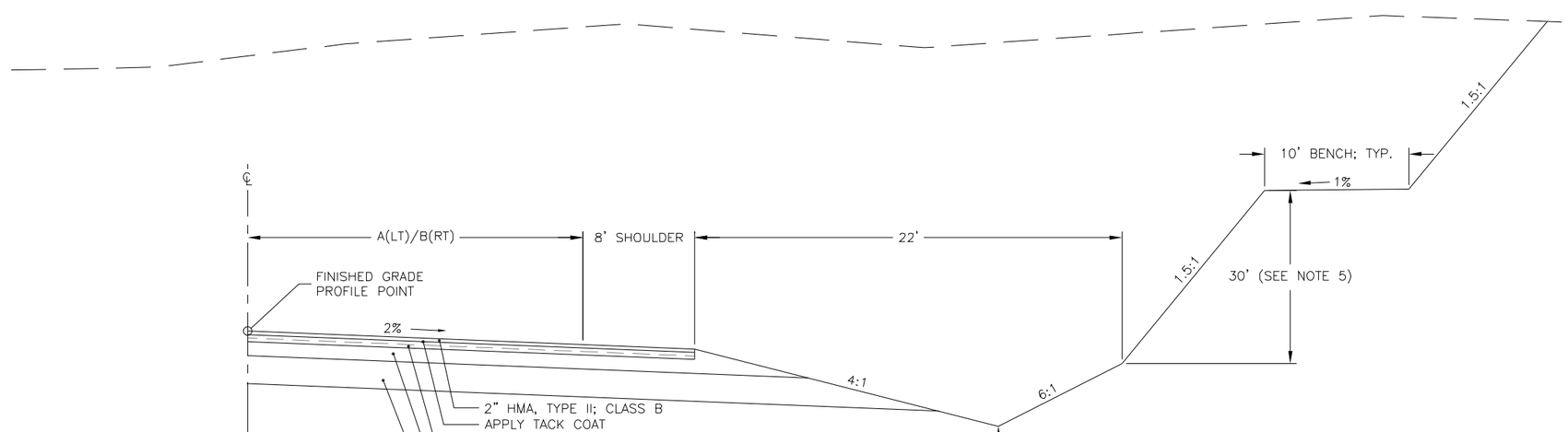
"S1" STA 1393+00 TO 1463+00
"S1" STA 1571+00 TO 1575+00
"S1" STA 1642+00 TO 1651+71
"S1" STA 1655+05 TO 1672+00



WIDENING FOR GUARDRAIL

"S1" STA 1396+62 TO 1409+25 RT
"S1" STA 1396+50 TO 1409+50 LT

NUMBER OF 12' LANES		
STATION RANGE	A	B
1393+00 TO 1546+89	1	1
1546+89 TO 1555+40	LANE DROP TAPER	1
1555+40 TO 1599+00	2	1
1599+00 TO 1608+00	LANE ADD TAPER	LANE ADD TAPER
1608+00 TO 1658+30	1	2
1658+30 TO 1671+50	1	LANE DROP TAPER
1671+50 TO 1672+00	MATCH EXISTING	MATCH EXISTING



TYPICAL SECTION CUT

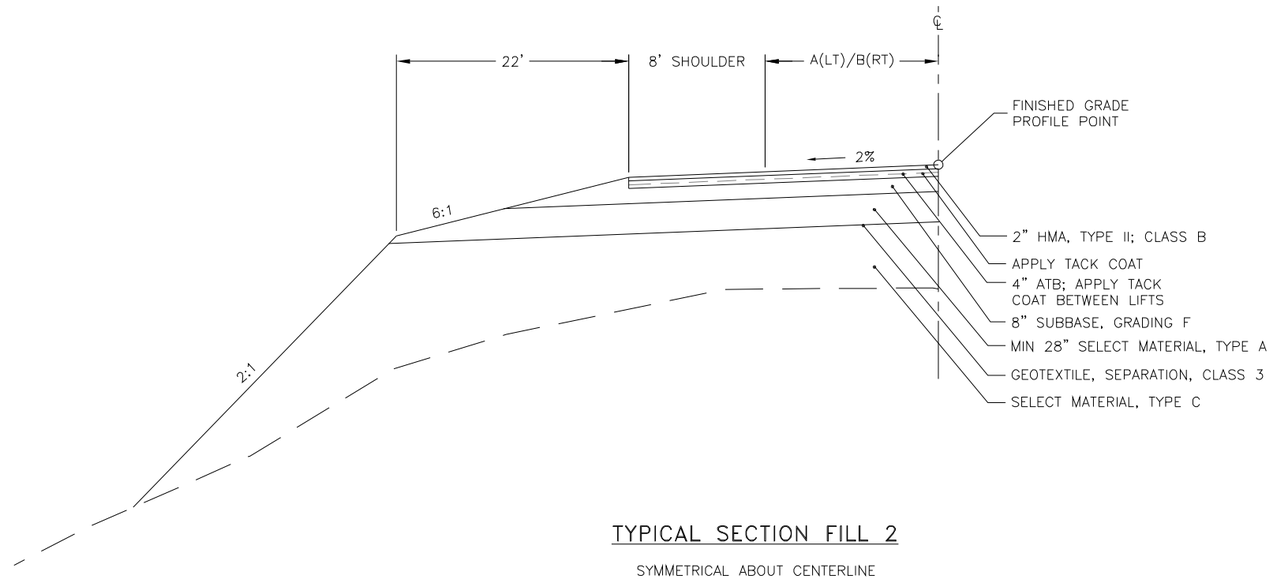
SYMMETRICAL ABOUT CENTERLINE
"S1" STA 1483+50 TO 1509+00
"S1" STA 1550+50 TO 1571+00
"S1" STA 1575+00 TO 1591+50

TYPICAL SECTIONS

75% CNST REVIEW 11/20

PLANS DEVELOPED BY: MICHAEL BAKER INTERNATIONAL, AECC103, 3900 C STREET SUITE 900, ANCHORAGE, AK 99503 (907) 273-1600
T:\AKDOT\148830 - DOT&PF Parks 305-325 PI\04 CADD\319-325\60657_TypSec_SEG1-TYPICAL SECTIONS Mon, Nov/30/20 01:17am

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	PENDING/NFHWY00476	2020	B2	B2



TYPICAL SECTION FILL 2

SYMMETRICAL ABOUT CENTERLINE
"S1" STA 1463+00 TO 1483+50
"S1" STA 1509+00 TO 1550+50
"S1" STA 1591+50 TO 1642+00
"S1" STA 1651+71 TO 1655+05

TYPICAL SECTIONS

75% CNST REVIEW 11/20

PLANS DEVELOPED BY: MICHAEL BAKER INTERNATIONAL, AECC103, 3900 C STREET SUITE 900, ANCHORAGE, AK 99503 (907) 273-1600
T:\AKDOT\148830 - DOT&PF Parks 305-325 PI\04 CADD\319-325\60657_TypSec_SEG1-TYPICAL SECTION 2 Mon, Nov/30/20 01:17am

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0A45028/Z606570000	2020	D1	D1

PROPOSED CULVERT SUMMARY

STATION	CULVERT PIPE	INLET			OUTLET			NEW CULVERT LENGTH (FT)	NEW CULVERT LENGTH (FT)	REMARKS
	DIAMETER (IN)	STATION	OFFSET	INVERT ELEVATION	STATION	OFFSET	INVERT ELEVATION	603.0001.0036	603.0001.0012	
"S1" 1425+86	36	1425+86	42.2 RT	1275.00	1425+86	65.9 LT	1265.62	109	--	CROSS CULVERT
"S1" 1479+50	36	1479+50	34.8 RT	1211.48	1479+50	67.8 LT	1198.71	104	--	CROSS CULVERT
"S1" 1512+00	36	1512+00	49.7 RT	1175.00	1512+00	70.4 LT	1165.76	121	--	CROSS CULVERT
"S1" 1535+75	36	1537+05	102.4 RT	1164.02	1534+45	118.3 RT	1148.63	270	--	APPROACH CROSS CULVERT
"S1" 1595+61	36	1594+14	141.1 RT	991.82	1597+01	243.7 RT	970.00	295	--	APPROACH CROSS CULVERT
"S1" 1613+52	36	1614+46	90.9 RT	937.56	1612+60	126.7 RT	919.67	196	--	APPROACH CROSS CULVERT
"S1" 1618+50	36	1618+50	54.7 RT	956.50	1618+50	61.2 LT	948.04	117	--	CROSS CULVERT
"S1" 1626+45	36	1626+45	54.9 RT	978.30	1626+45	60.3 LT	970.31	116	--	CROSS CULVERT
"S1" 1636+74	36	1636+74	75.5 LT	990.69	1636+74	67.2 RT	1	144	--	CROSS CULVERT
"S1" 1646+34	36	1646+34	52.5 RT	1030.00	1646+34	84.1 LT	1007.9	139	--	CROSS CULVERT
"S1" 1658+66	36	1658+66	60.2 RT	1037.00	1658+66	97.7 LT	1012.00	160	--	CROSS CULVERT
"S1" 1661+50	12	1661+82	54.3 RT	1046.84	1661+17	49.1 RT	1044.00	--	67	APPROACH CROSS CULVERT
							TOTAL	1771	67	

CULVERT NOTES:

1. CULVERT LOCATIONS AND ORIENTATION ARE SUBJECT TO MINOR REVISIONS BY THE ENGINEER.
2. DITCH WORK AND RE-GRADING REQUIRED FOR NEW CULVERTS IS SUBSIDIARY TO 603 PAY ITEMS. SEE SHEET E1 FOR TYPICAL CULVERT TRENCH DETAIL.
3. INSTALL CULVERTS WITH A MINIMUM CAMBER EQUAL TO 1% OF THE LENGTH OF THE PIPE, OR AS DIRECTED BY THE ENGINEER.

202.0010.0000 MAILBOX SUMMARY

NUMBER OF EXISTING MAILBOXES	EXISTING STATION	LOCATION
2	"S1" 1661+73	RT

MAILBOX NOTES:

1. CONSTRUCT THE MAILBOX IN ACCORDANCE WITH THE "WOOD POST (RURAL) INSTALLATION" AND "TYPICAL WOOD CANTILEVER INSTALLATION" SHOWN ON STANDARD PLANS M-20.14 AND M-23.12 RESPECTIVELY.

EXISTING CULVERT SUMMARY

STATION	202.0004.0000 REMOVAL OF CULVERT PIPE		INLET			OUTLET			CULVERT LENGTH (FT)	REMARKS
	DIAMETER (IN)	REMOVE (FT)	STATION	OFFSET	INVERT ELEVATION	STATION	OFFSET	INVERT ELEVATION	(FT)	
"S1" 1425+85	24	95	1425+86	34.6 RT	1272.45	1425+86	59.91 LT	1261.98	--	REMOVE CULVERT
"S1" 1479+71	24	84	1479+81	78.7 RT	1209.51	1479+61	2.1 LT	1205.04	--	REMOVE CULVERT
"S1" 1490+33	24	--	1490+52	409.3 LT	1216.14	1490+14	501.8 LT	1201.83	105	CULVERT REMAIN IN PLACE AND CLEAN OUT
"S1" 1496+00	24	--	1496+03	594.3 LT	1219.82	1495+96	721.9 LT	1194.71	131	CULVERT REMAIN IN PLACE AND CLEAN OUT
"S1" 1512+00 APPROXIMATE LOCATION	24	92	1512+00	30.9 RT	1166.66	1512+00	59.6 LT	1150.99	--	REMOVE CULVERT
"S1" 1621+61	24	--	1621+70	36.7 RT	953.17	1621+53	57.0 LT	934.19	98	ABANDON IN PLACE
"S1" 1626+45	24	91	1626+45	37.0 rt	968.73	1626+46	53.5 LT	963.16		ABANDON IN PLACE
"S1" 1636+74	24	--	1636+73	67.3 RT	1003.78	1636+74	29.9 LT	991.38	98	ABANDON IN PLACE
"S1" 1646+34	24	--	1646+34	51.5 RT	1028.13	1646+34	48.2 LT	1006.52	102	REMOVE CULVERT
"S1" 1658+66	24	116	1658+66	60.3 RT	1036.84	1658+66	52.4 LT	1013.86	--	REMOVE CULVERT
"S1" 1661+44	12	54	1661+70	47.6 RT	1045.23	1661+17	49.1 RT	1043.93	--	REMOVE APPROACH CULVERT
								TOTAL	534	

670.0001.0000 PAINTED TRAFFIC MARKING SUMMARY

DESCRIPTION	QUANTITY	UNIT
4" W	58,800	LF
4" DY	29,400	LF
4" W DASHED	12,700	LF
8" W	335	LF
ARROWS	9	EACH

TRAFFIC MARKING NOTES:

1. INSTALL LANE EDGE AND CENTERLINES PER STANDARD PLANS T-21.03.
2. IF STRIPING IS NOT ALIGNED AT BOP/EOP, TRANSITION STRIPING OVER 100 FEET TO MATCH EXISTING.

606 GUARDRAIL ITEMS SUMMARY

BEGIN STATION	END STATION	RT/LT	606.0001.0000 W-BEAM GUARDRAIL (LINEAR FOOT)	606.0006.0000 REMOVING AND DISPOSING OF GUARDRAIL (LINEAR FOOT)	606.0013.0000 PARALLEL GUARDRAIL TERMINAL (EACH)	REMARKS
"S1" 1396+62	"S1" 1409+25	RT	1263	915.6	2	
"S1" 1396+50	"S1" 1409+50	LT	1300	940.7	2	
"S1" 1488+66	"S1" 1499+51	LT		1292.8		
"S1" 1546+01	"S1" 1555+89	LT		1099.0		
"S1" 1572+91	"S1" 1582+05	LT		1110.0		
"S1" 1575+07	"S1" 1579+97	RT		597.9		
"S1" 1588+66	"S1" 1600+99	LT		1447.5		
"S1" 1596+50	"S1" 1602+46	RT		600.5		
"S1" 1651+50	"S1" 1655+23	LT	373		2	
		TOTAL	2936.0	8004.0	6.0	

GUARDRAIL NOTES:

1. FOR PARALLEL GUARDRAIL TERMINALS, CONSTRUCT THE GUARDRAIL TERMINAL WIDENING IN ACCORDANCE WITH THE STANDARD GUARDRAIL TERMINAL WIDENING DETAIL ON STANDARD PLAN G-20.12. THE END OFFSET (X) SHALL BE 2 FEET.
2. INSTALL GUARDRAIL POSTS IN ACCORDANCE WITH STANDARD PLAN G-10.20.

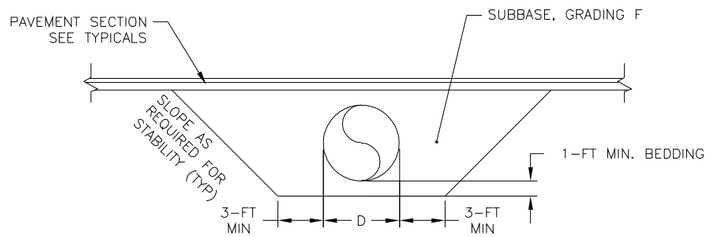
SUMMARIES

75% CNST REVIEW 11/20

PLANS DEVELOPED BY: MICHAEL BAKER INTERNATIONAL, AECC103, 3900 C STREET SUITE 900, ANCHORAGE, AK 99503 (907) 273-1600
T:\AKDOT\148830 - DOT&PF Parks 305-325 PI\04 CADD\319-325\60657_Quantities_SEG1-SUMMARIES Mon, Nov/30/20 01:17am

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0A45028/Z606570000	2020	E1	E1

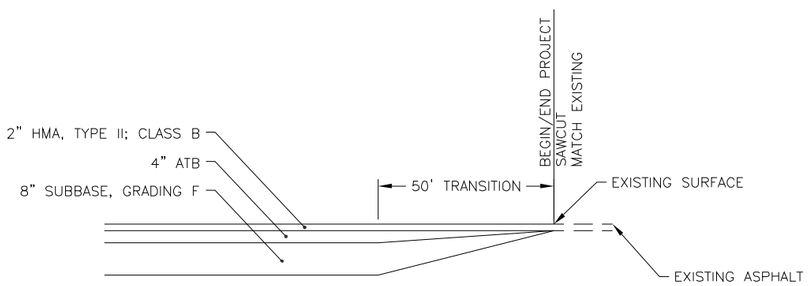


TYPICAL CULVERT TRENCH DETAIL

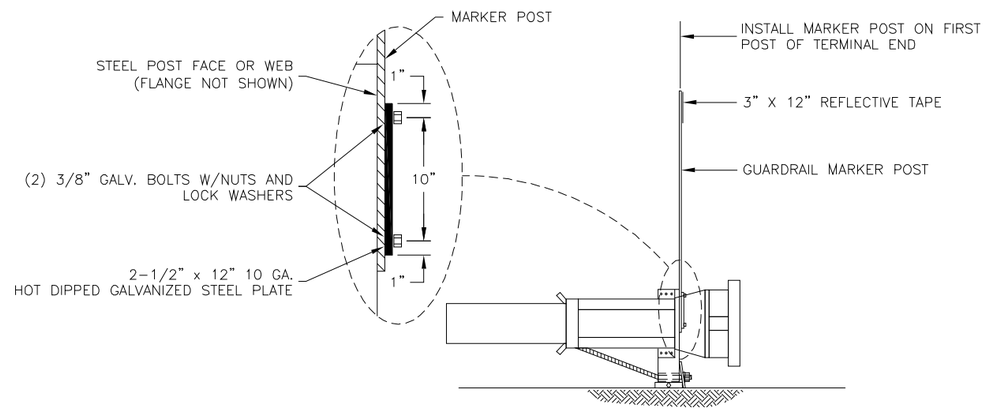
NTS

GUARDRAIL MARKER POST DETAIL

CROSS-SECTIONAL VIEW

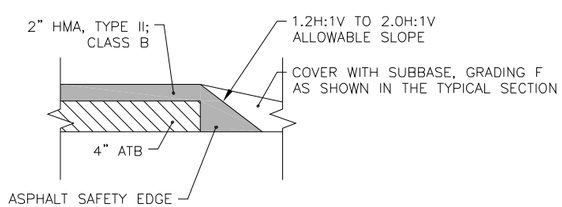


TRANSITION FROM TYPICAL SECTION 1 TO EXISTING



GUARDRAIL MARKER POST ATTACHMENT DETAIL

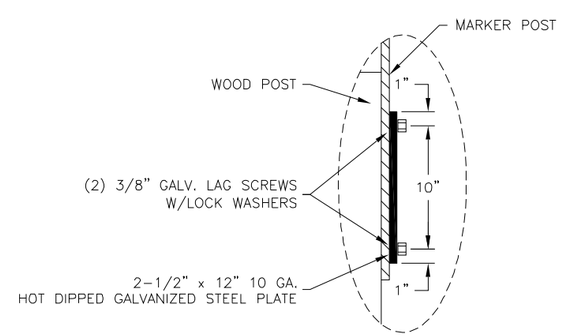
PARALLEL GUARDRAIL TERMINAL



ASPHALT SAFETY EDGE DETAIL

ASPHALT SAFETY EDGE NOTES:

1. LABOR AND EQUIPMENT REQUIRED TO CONSTRUCT THE SAFETY EDGE IS SUBSIDIARY TO PAY ITEM 306.0001.0000 AND 401.0001.002B.
2. MATERIAL WILL BE MEASURED AND PAID UNDER PAY ITEMS 306.0001.0000 AND 401.0001.002B RESPECTIVELY.
3. DO NOT CONSTRUCT THE SAFETY EDGE ACROSS DRIVEWAYS, BRIDGE, OR BRIDGE SLABS.



GUARDRAIL MARKER POST ATTACHMENT DETAIL

SHORT RADIUS GUARDRAIL

GUARDRAIL MARKER NOTES:

1. GUARDRAIL MARKER POSTS SHALL BE YELLOW AND AT LEAST 72" LONG. POSTS SHALL MEET THE REQUIREMENTS OF SECTION 730-2.05 FLEXIBLE DELINEATOR POSTS.
2. RETROREFLECTIVE SHEETING SHALL MEET ASTM D4956 REQUIREMENTS FOR TYPE VIII, IX, OR XI. COLOR OF RETROREFLECTIVE SHEETING SHALL MATCH COLOR OF ADJACENT EDGE LINE STRIPE. PLACE RETROREFLECTIVE SHEETING ON SIDE OF MARKER POST FACING TRAFFIC IN ADJACENT LANE.
3. PLACE CENTER OF MARKER POST IN LINE WITH TRAFFIC SIDE OF POST.
4. DRILL ALL BOLT HOLES. COAT HOLES WITH ZINC RICH PAINT. FLAME CUTTING SHALL NOT BE PERMITTED.
5. ON SHORT RADIUS GUARDRAIL SECTIONS, ATTACH GUARDRAIL MARKER POST TO THE GUARDRAIL POST AT THE POINT OF TANGENCY (P.T.) SHOWN ON STANDARD PLAN G-26.
6. ALL WORK AND MATERIAL REQUIRED TO INSTALL GUARDRAIL MARKER POSTS IS SUBSIDIARY TO 606 PAY ITEMS.

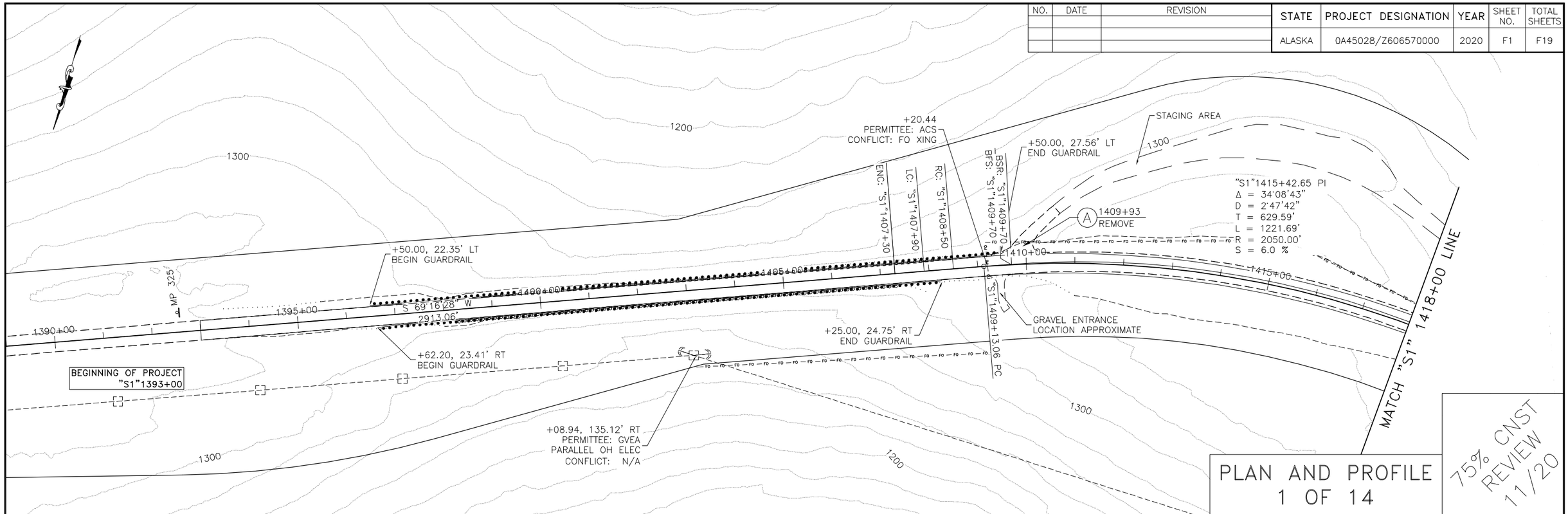
DETAILS

75% CNST REVIEW 11/20

PLANS DEVELOPED BY: MICHAEL BAKER INTERNATIONAL, AECC103, 3900 C STREET SUITE 900, ANCHORAGE, AK 99503 (907) 273-1600
T:\AKDOT\148830 - DOT&PF Parks 305-325 P\04 CADD\319-325\60657_DTL_319-325-DETAILS Mon, Nov/30/20 01:18am

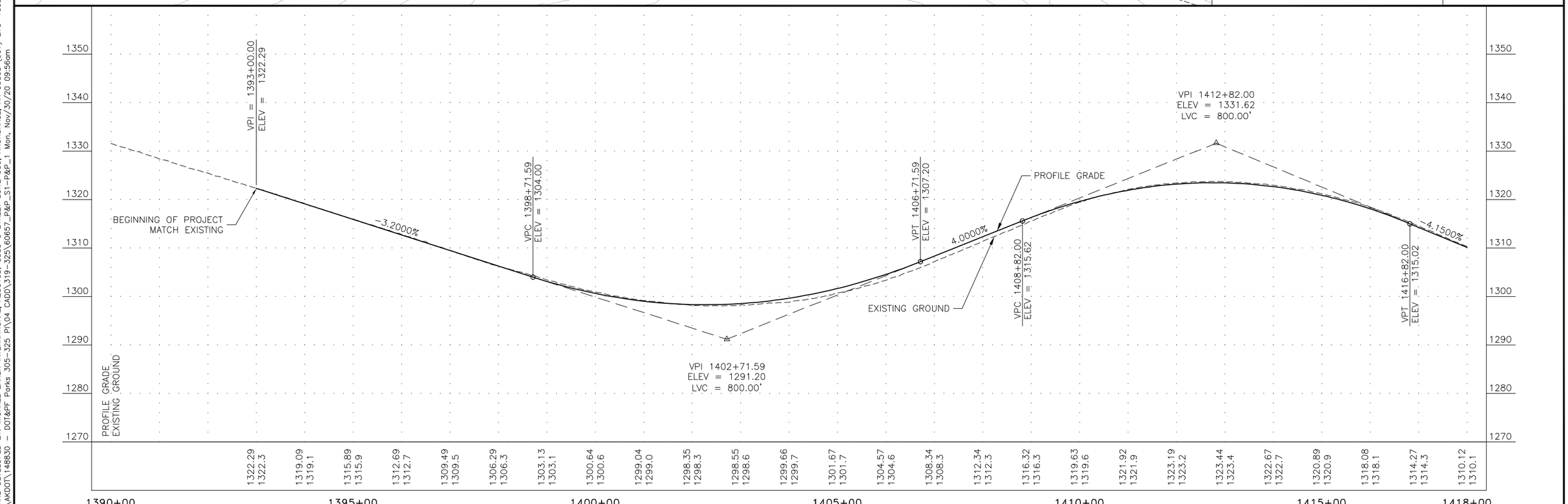
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0A45028/Z606570000	2020	F1	F19



PLAN AND PROFILE
1 OF 14

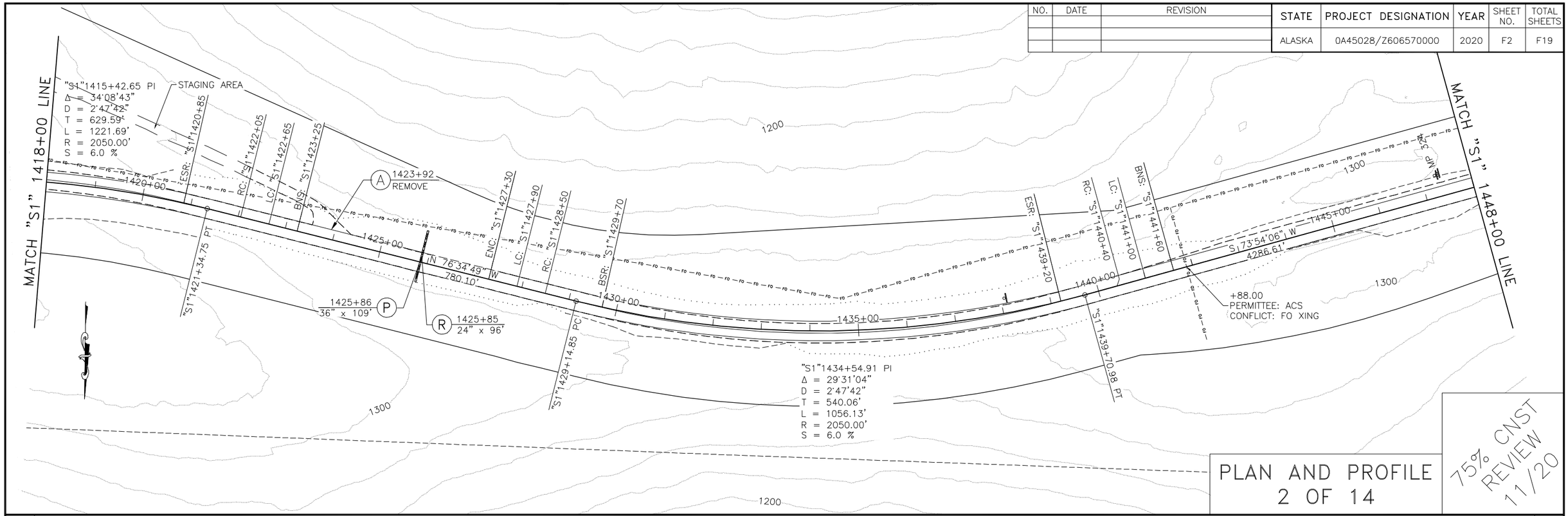
75% CNST REVIEW 11/20



PLANS DEVELOPED BY: MICHAEL BAKER INTERNATIONAL, AECC103, 3900 C STREET SUITE 900, ANCHORAGE, AK 99503 (907) 273-1600
T:\AKDOT\148830 - DOT&PF Parks 305-325 PI\04 CADD\319-325\60657_P&P_S1-P&P_1 Mon, Nov/30/20 09:56am

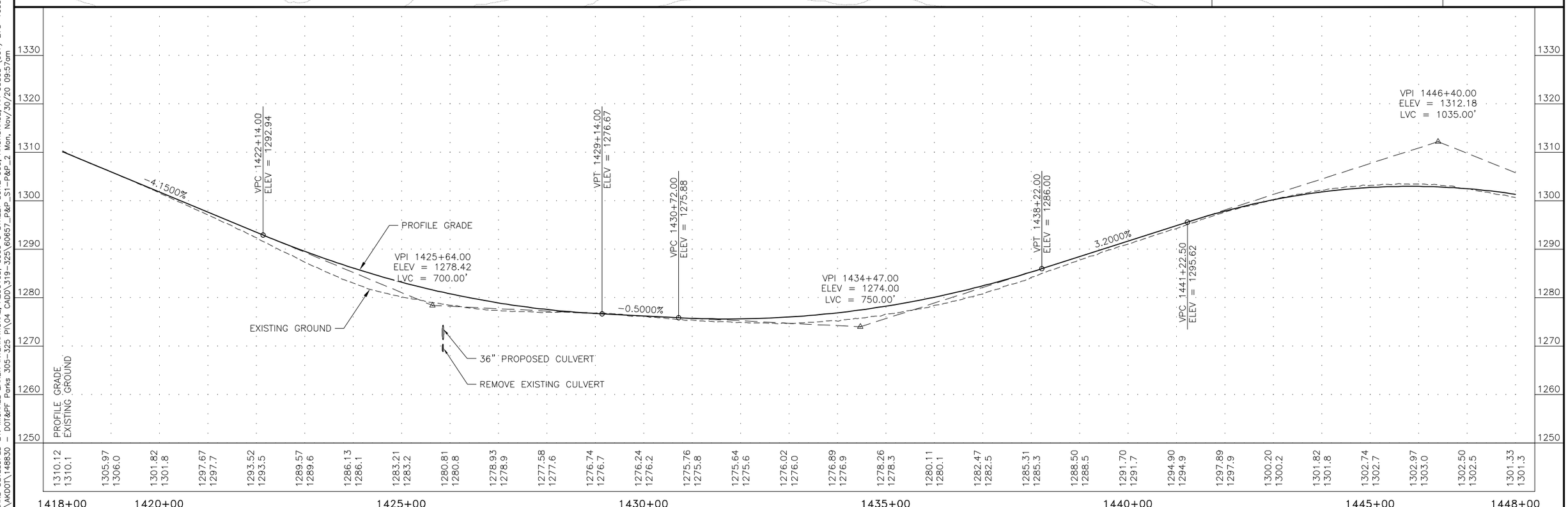
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0A45028/Z606570000	2020	F2	F19



PLAN AND PROFILE
2 OF 14

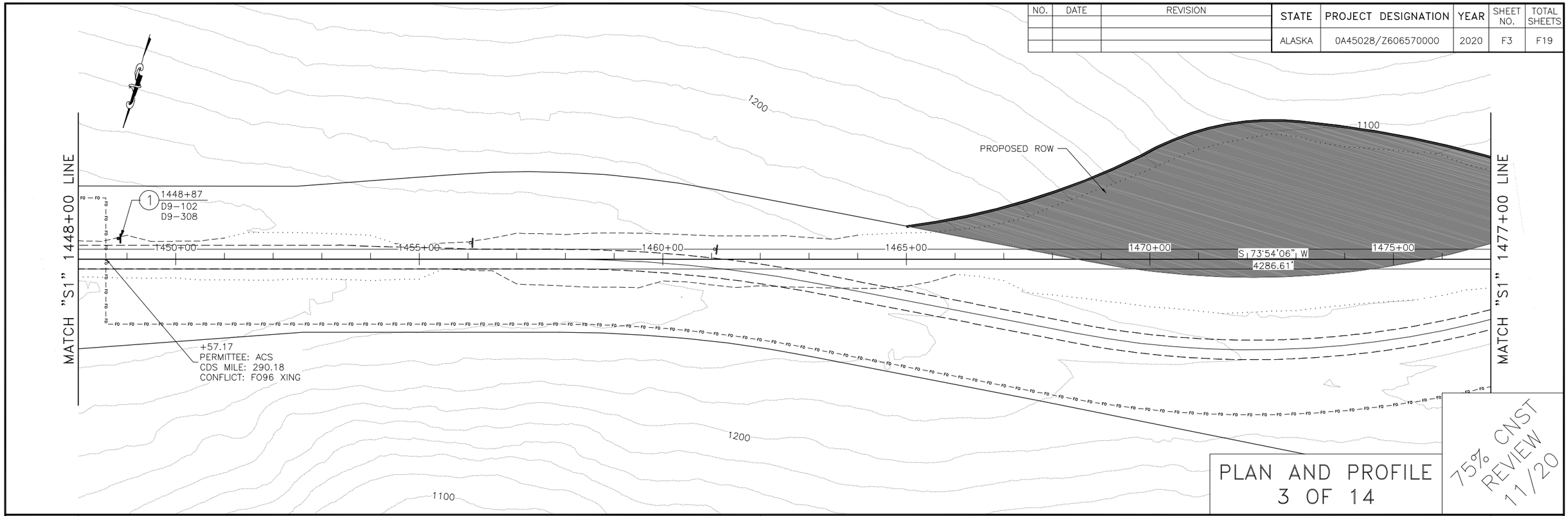
75% CNST REVIEW 11/20



PLANS DEVELOPED BY: MICHAEL BAKER INTERNATIONAL, AECC103, 3900 C STREET SUITE 900, ANCHORAGE, AK 99503 (907) 273-1600
T:\AKDOT\148830 - DOT&PF Parks 305-325 PI\04 CADD\319-325\60657_P&P_S1-P&P_2 Mon, Nov/30/20 09:57am

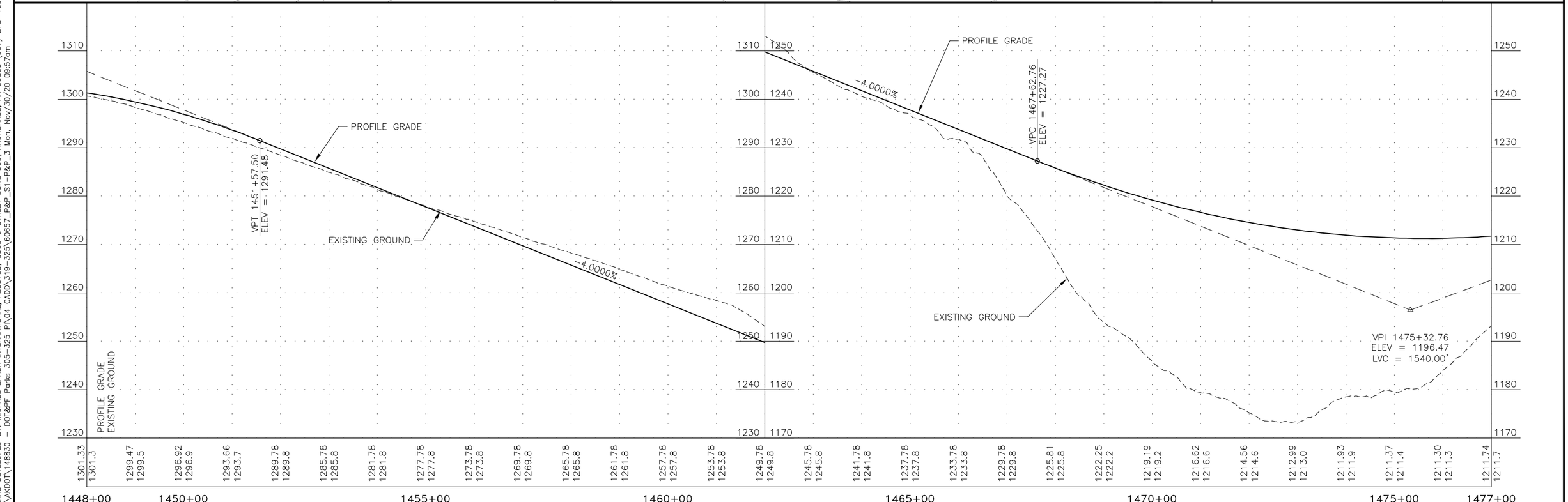
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0A45028/Z606570000	2020	F3	F19



PLAN AND PROFILE
3 OF 14

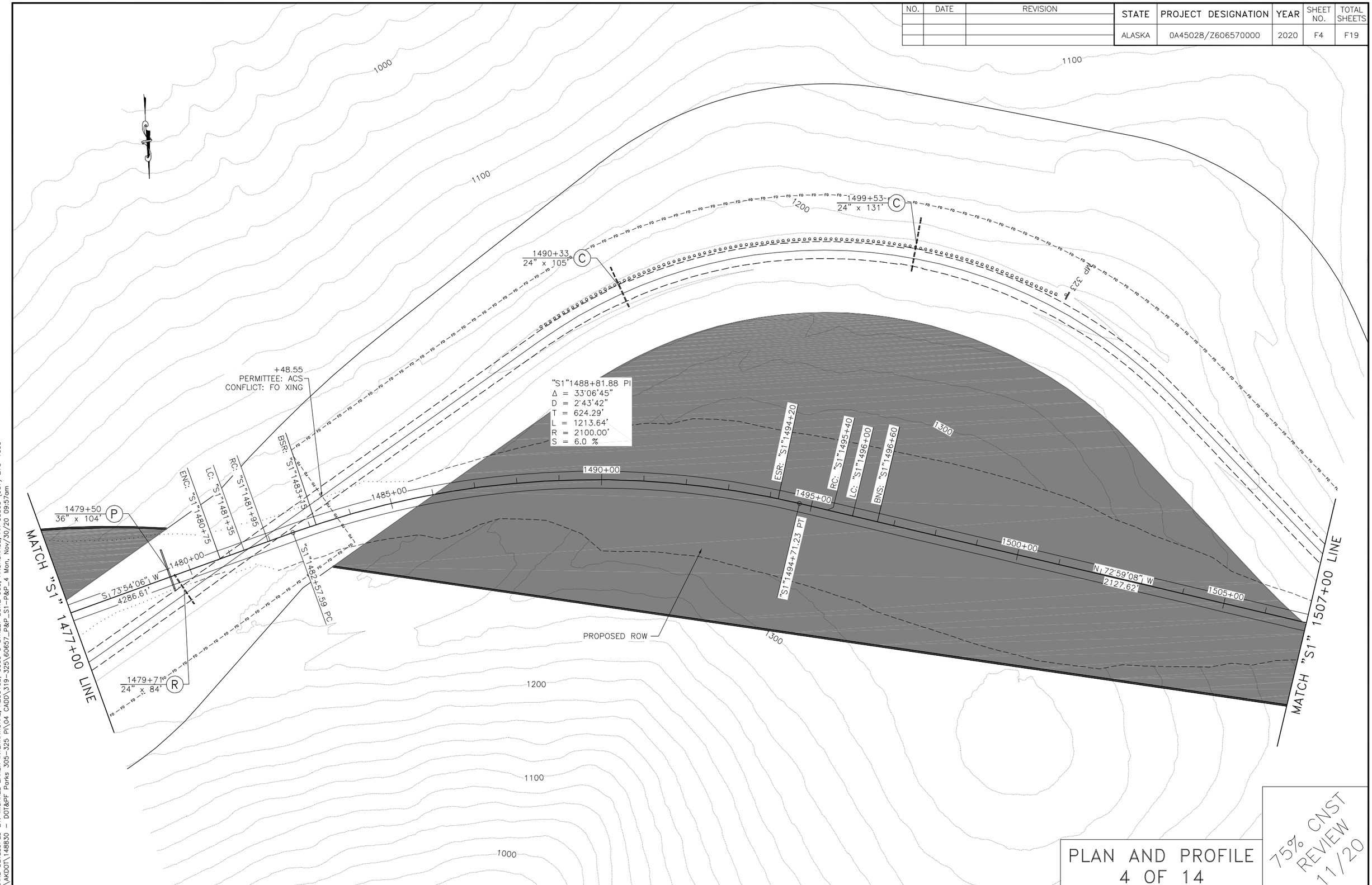
75% CNST REVIEW 11/20



PLANS DEVELOPED BY: MICHAEL BAKER INTERNATIONAL, AECC103, 3900 C STREET SUITE 900, ANCHORAGE, AK 99503 (907) 273-1600
T:\AKDOT\148830 – DOT&PF Parks 305-325 PI\04 CADD\319-325\60657_P&P_S1-P&P_3 Mon, Nov/30/20 09:57am

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0A45028/Z606570000	2020	F4	F19



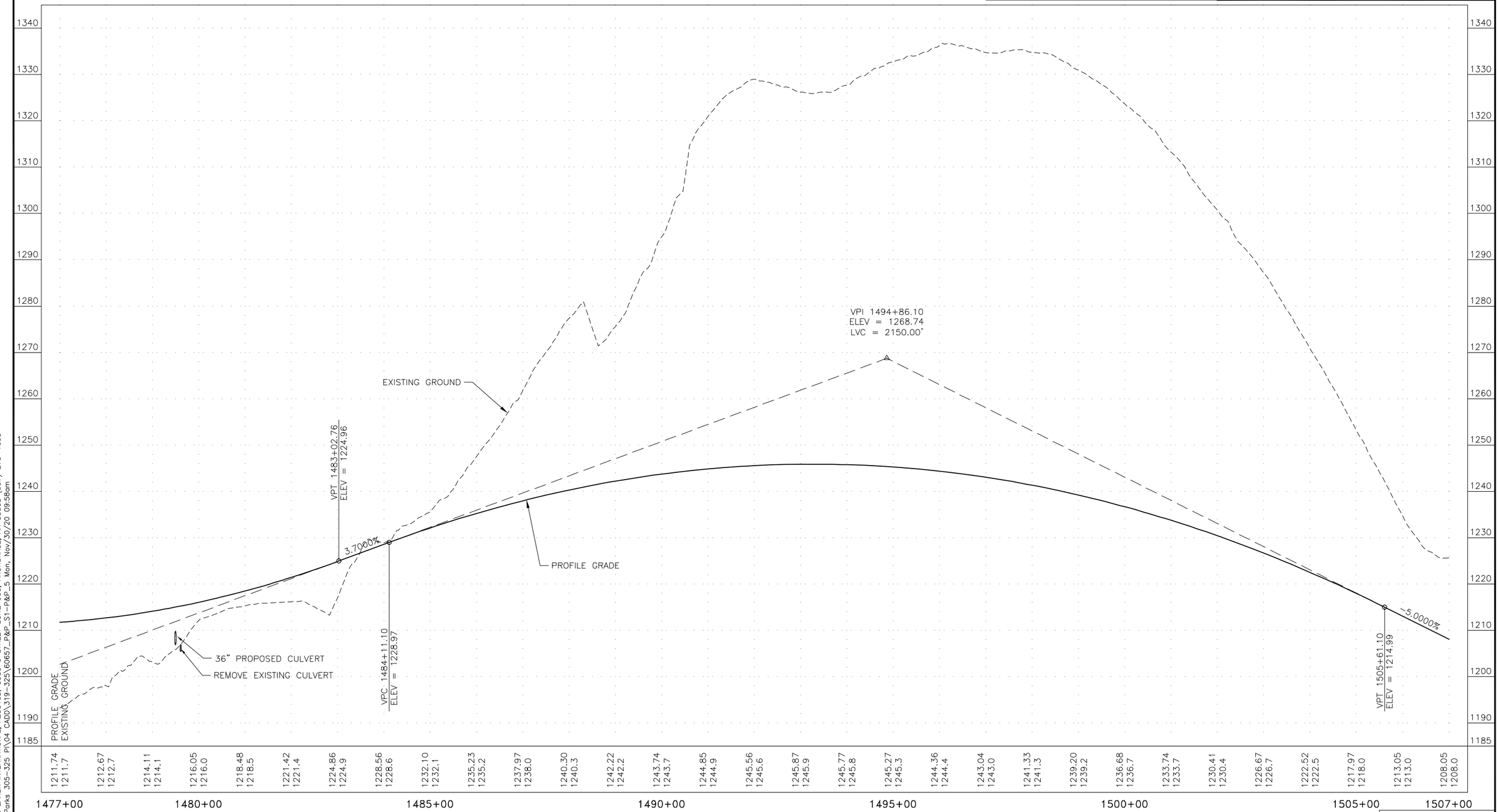
PLAN AND PROFILE
4 OF 14

75% CNST REVIEW 11/20

PLANS DEVELOPED BY: MICHAEL BAKER INTERNATIONAL, AECC103, 3900 C STREET SUITE 900, ANCHORAGE, AK 99503 (907) 273-1600
T:\AKDOT\148830 - DOT&PF Parks 305-325 PI\04 CADD\319-325\60657_P&P_S1-P&P_4 Mon, Nov/30/20 09:57am

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0A45028/Z606570000	2020	F5	F19



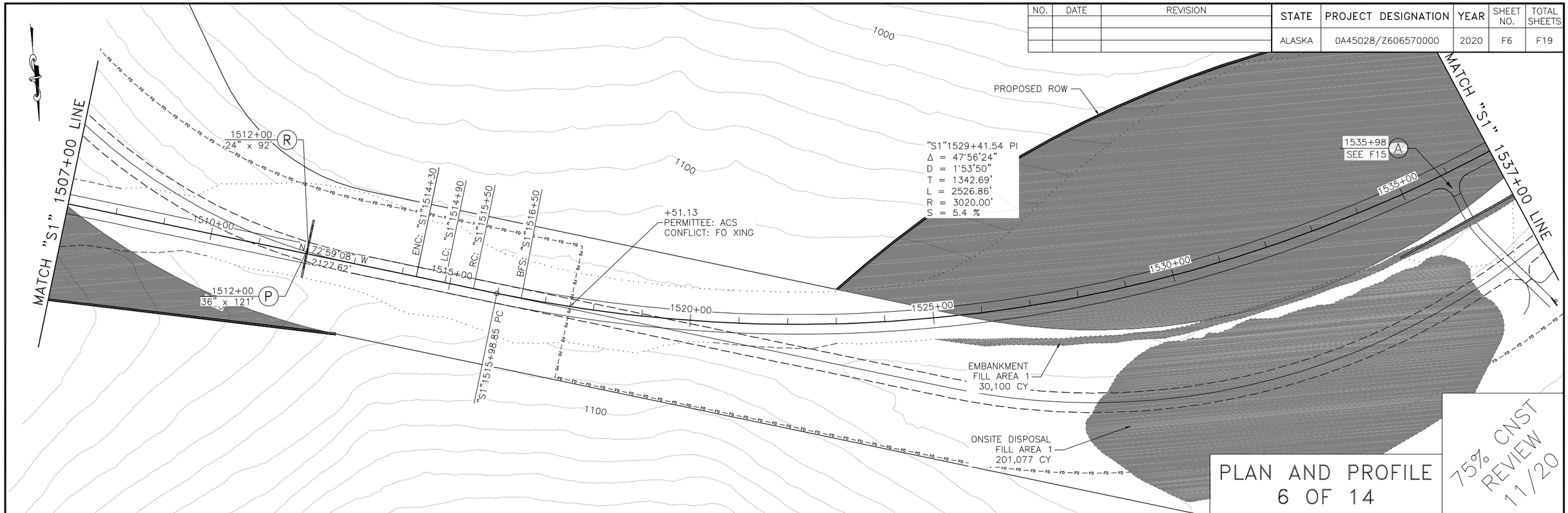
PLAN AND PROFILE
5 OF 14

75% CNST REVIEW 11/20

PLANS DEVELOPED BY: MICHAEL BAKER INTERNATIONAL, AECC103, 3900 C STREET SUITE 900, ANCHORAGE, AK 99503 (907) 273-1600
T:\AKDOT\148830 - DOT&PF Parks 305-325 PI\04 CADD\319-325\60657_P&P_S1-P&P_5 Mon, Nov/30/20 09:58am

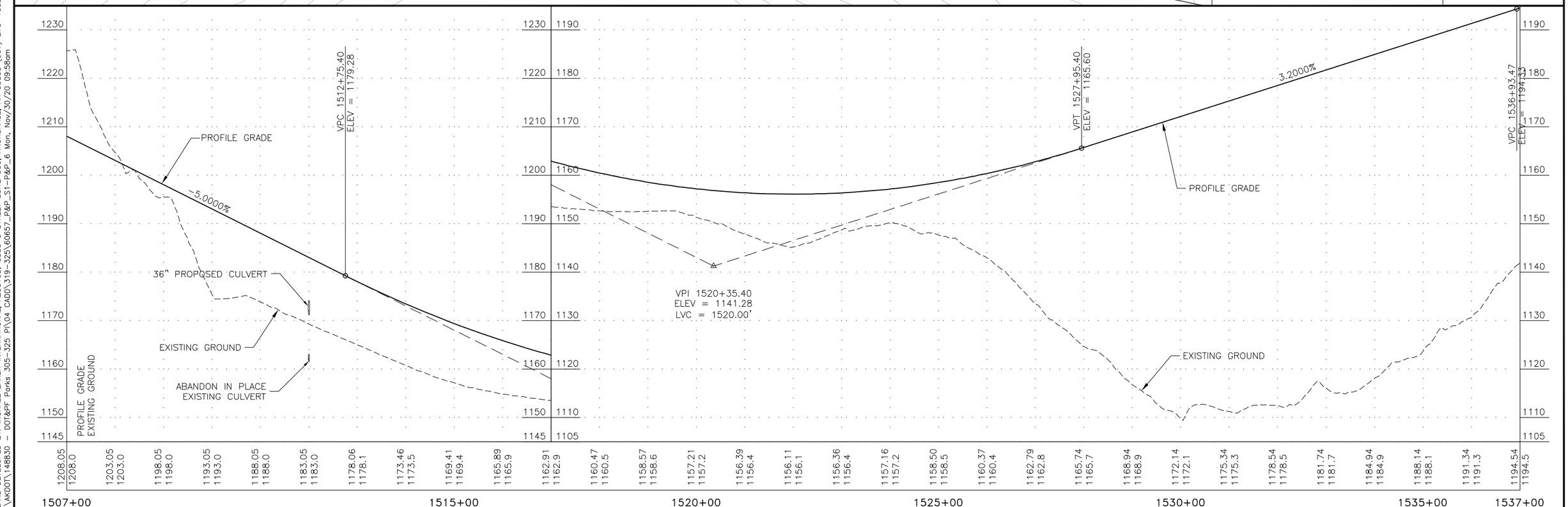
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0A45028/Z606570000	2020	F6	F19



PLAN AND PROFILE
6 OF 14

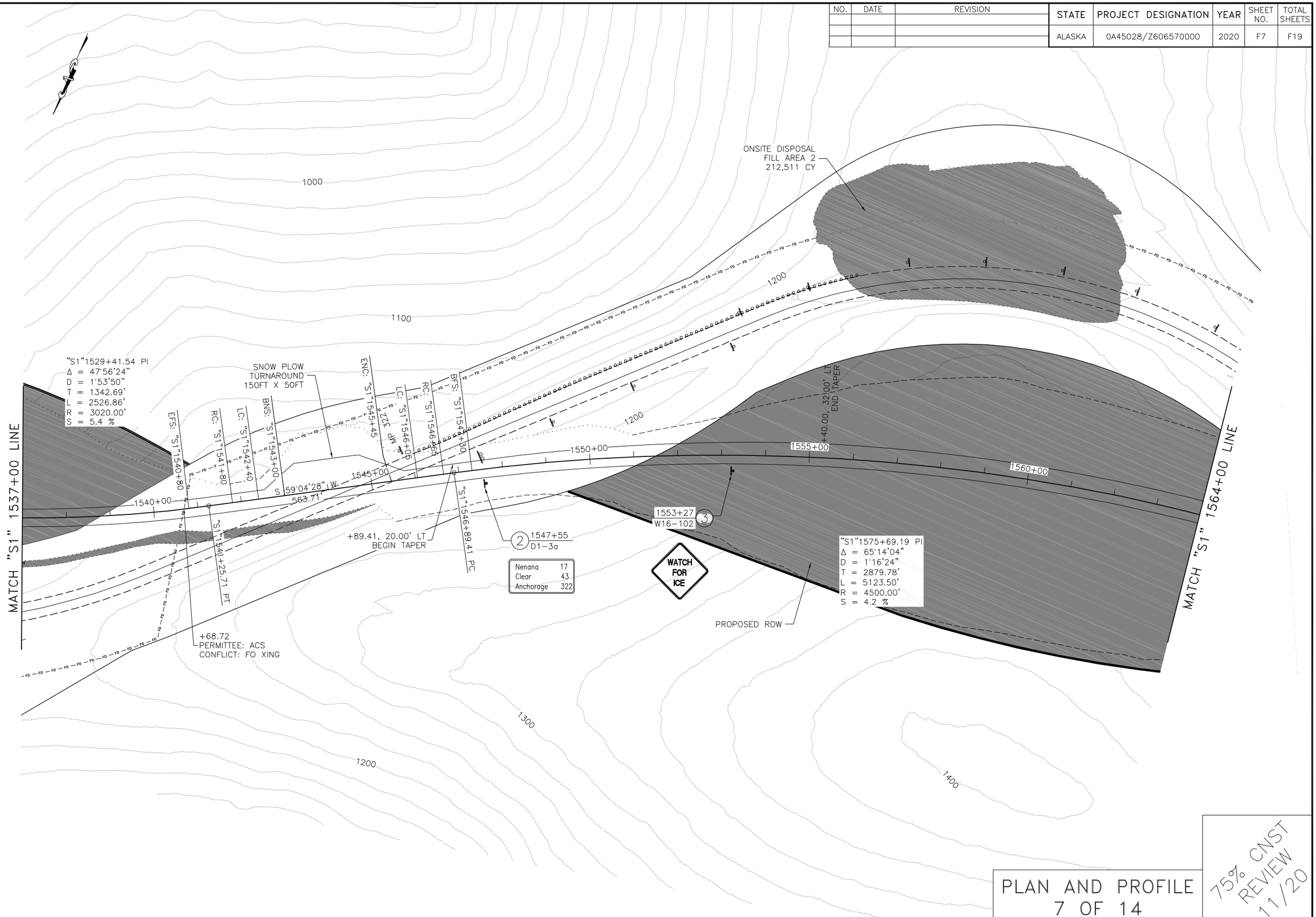
75% CNST REVIEW 11/20



PLANS DEVELOPED BY: MICHAEL BAKER INTERNATIONAL, AECC103, 3900 C STREET SUITE 900, ANCHORAGE, AK 99503 (907) 273-1600
T:\AKDOT\148830 - DOT&PF Parks 305-325 PI\04 CADD\319-325\60657_P&P_S1-P&P_6 Mon, Nov/30/20 09:58am

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0A45028/Z606570000	2020	F7	F19



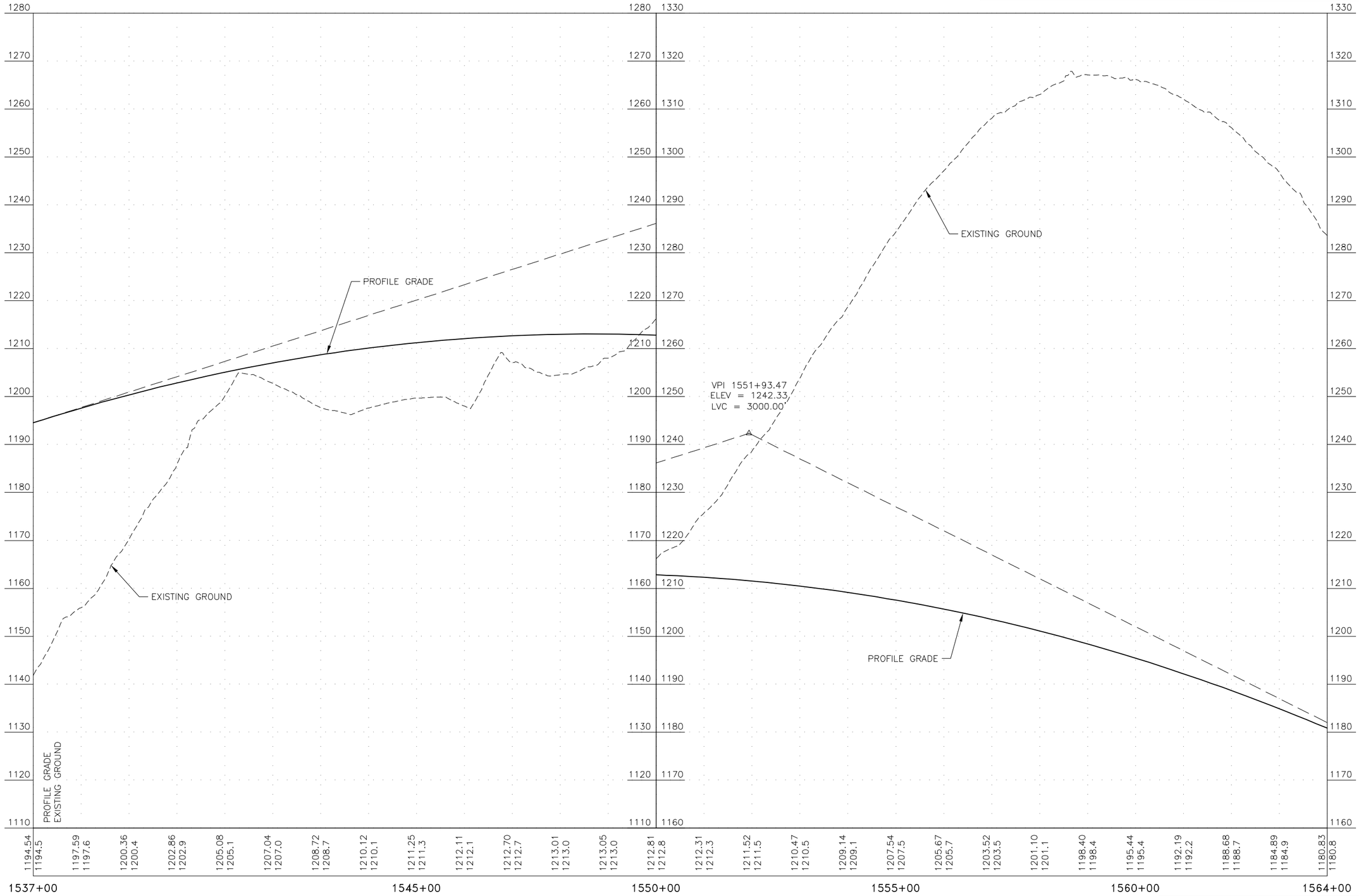
PLAN AND PROFILE
7 OF 14

75% CNST REVIEW 11/20

PLANS DEVELOPED BY: MICHAEL BAKER INTERNATIONAL, AECC103, 3900 C STREET SUITE 900, ANCHORAGE, AK 99503 (907) 273-1600
T:\AKDOT\148830 - DOT&PF Parks 305-325 PI\04 CADD\319-325\60657_P&P_S1-P&P_7 Mon, Nov/30/20 09:58am

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0A45028/Z606570000	2020	F8	F19



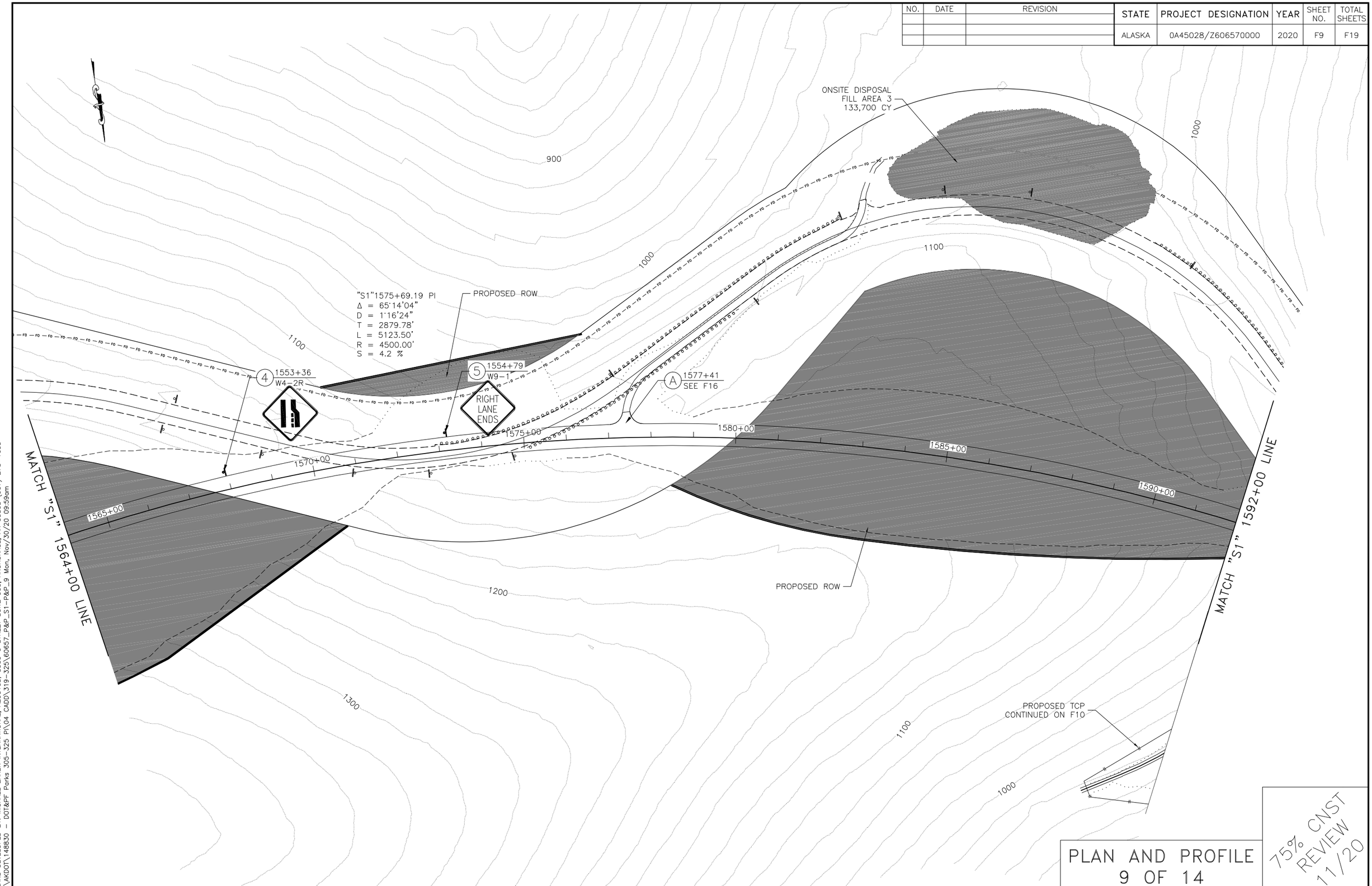
PLAN AND PROFILE
8 OF 14

75% CNST REVIEW 11/20

PLANS DEVELOPED BY: MICHAEL BAKER INTERNATIONAL, AECC103, 3900 C STREET SUITE 900, ANCHORAGE, AK 99503 (907) 273-1600
T:\AKDOT\148830 - DOT&PF Parks 305-325 PI\04 CADD\319-325\60657_P&P_S1-P&P_8 Mon, Nov/30/20 09:58am

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0A45028/Z606570000	2020	F9	F19



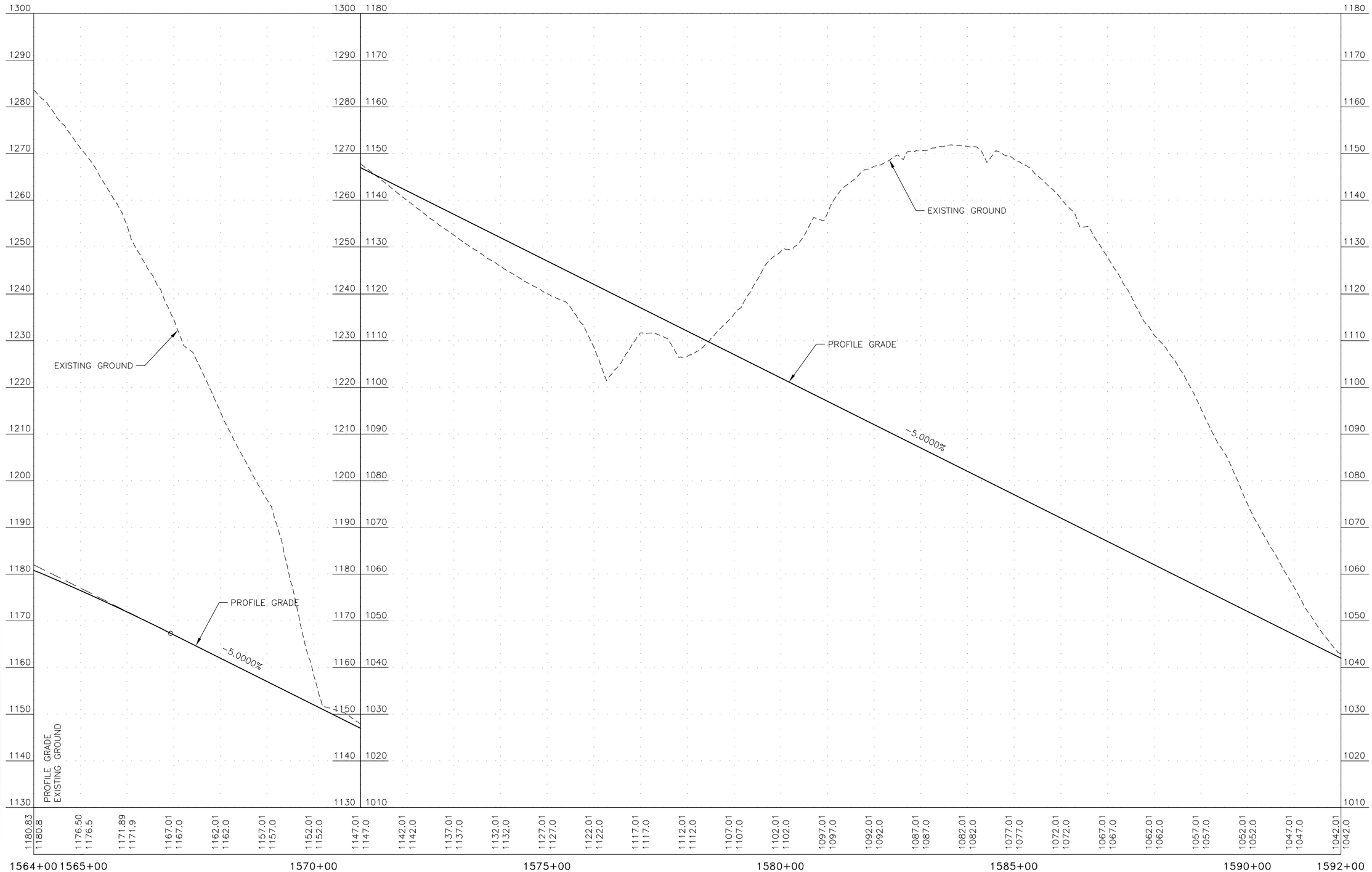
PLAN AND PROFILE
9 OF 14

75% CNST REVIEW 11/20

PLANS DEVELOPED BY: MICHAEL BAKER INTERNATIONAL, AECC103, 3900 C STREET SUITE 900, ANCHORAGE, AK 99503 (907) 273-1600
T:\AKDOT\148830 - DOT&PF Parks 305-325 PI\04 CADD\319-325\60657_P&P_S1-P&P_9 Mon, Nov/30/20 09:59am

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0A45028/Z606570000	2020	F10	F19



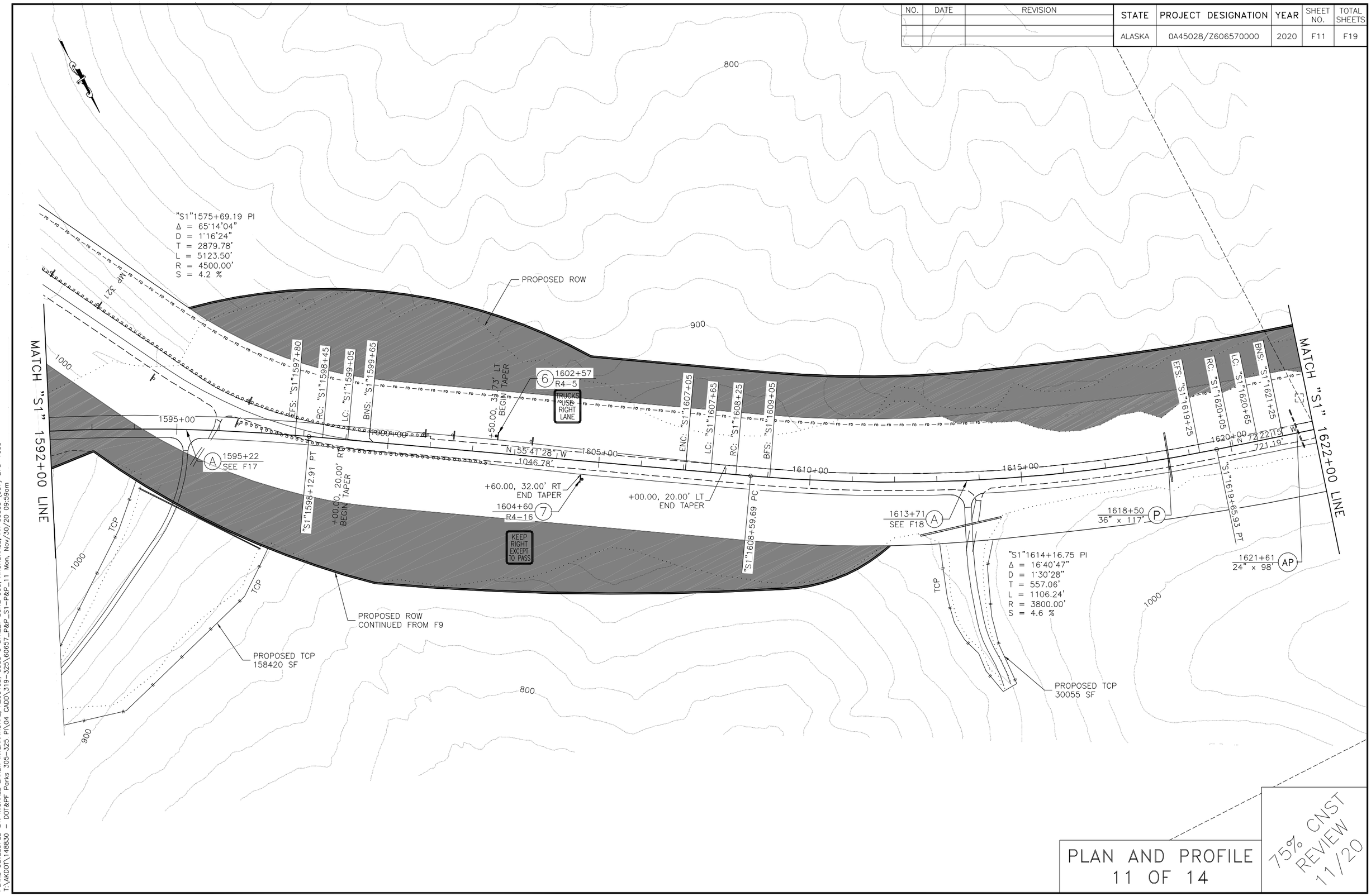
PLAN AND PROFILE
10 OF 14

75% CNST REVIEW 11/20

PLANS DEVELOPED BY: MICHAEL BAKER INTERNATIONAL, AECC103, 3900 C STREET SUITE 900, ANCHORAGE, AK 99503 (907) 273-1600
T:\AKDOT\148830 - DOT&PF Parks 305-325 PI\04 CADD\319-325\60657_P&P_S1-P&P_10 Mon, Nov/30/20 09:59am

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0A45028/Z606570000	2020	F11	F19



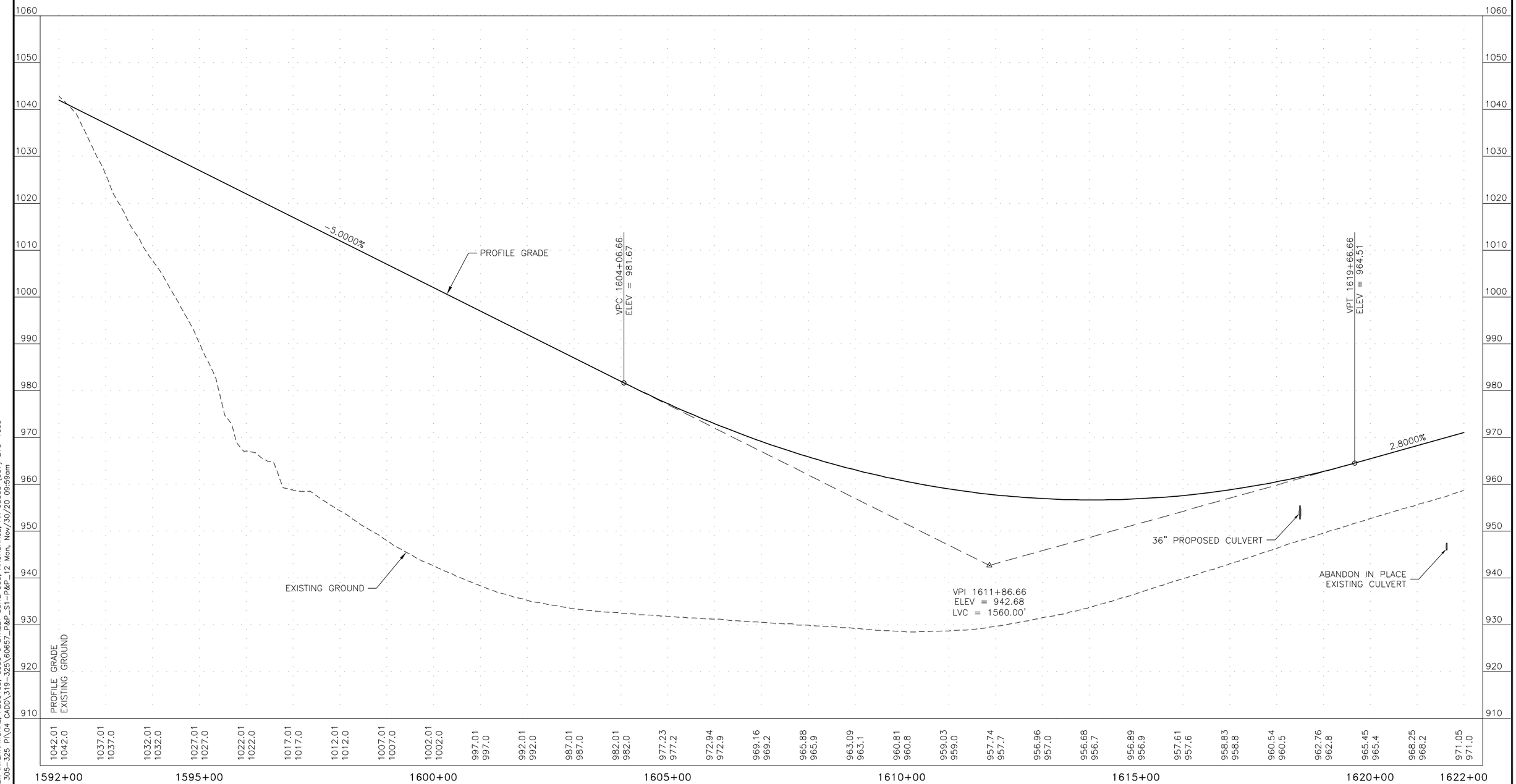
PLAN AND PROFILE
11 OF 14

75% CNST REVIEW 11/20

PLANS DEVELOPED BY: MICHAEL BAKER INTERNATIONAL, AECC103, 3900 C STREET SUITE 900, ANCHORAGE, AK 99503 (907) 273-1600
T:\AKDOT\148830 - DOT&PF Parks 305-325 PI\04 CADD\319-325\60657_P&P_S1-P&P_11 Mon, Nov/30/20 09:59am

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0A45028/Z606570000	2020	F12	F19



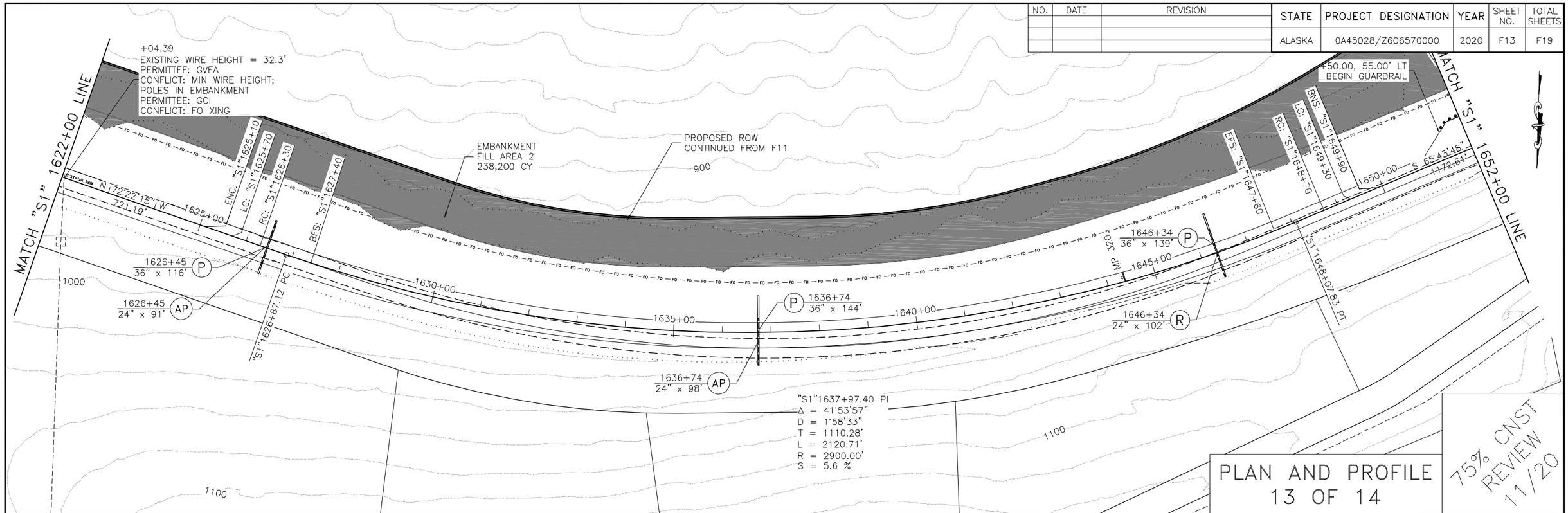
PLAN AND PROFILE
12 OF 14

75% CNST REVIEW 11/20

PLANS DEVELOPED BY: MICHAEL BAKER INTERNATIONAL, AECC103, 3900 C STREET SUITE 900, ANCHORAGE, AK 99503 (907) 273-1600
T:\AKDOT\148830 - DOT&PF Parks 305-325 PI\04 CADD\319-325\60657_P&P_S1-P&P_12 Mon, Nov/30/20 09:59am

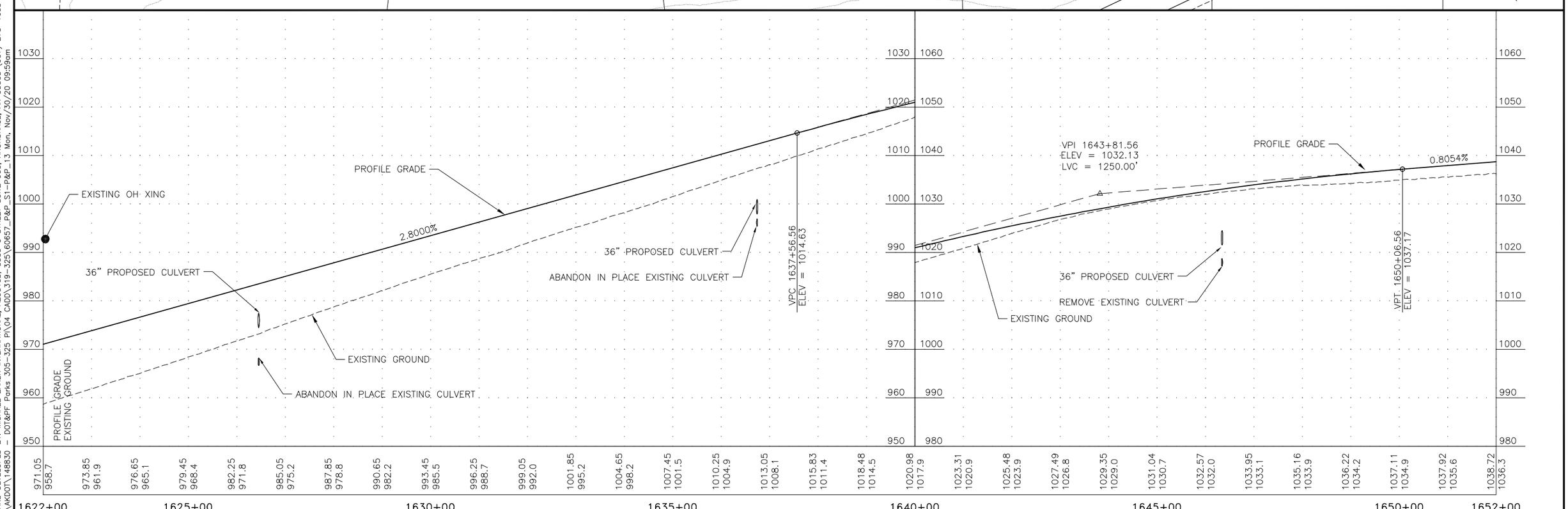
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0A45028/Z606570000	2020	F13	F19



PLAN AND PROFILE
13 OF 14

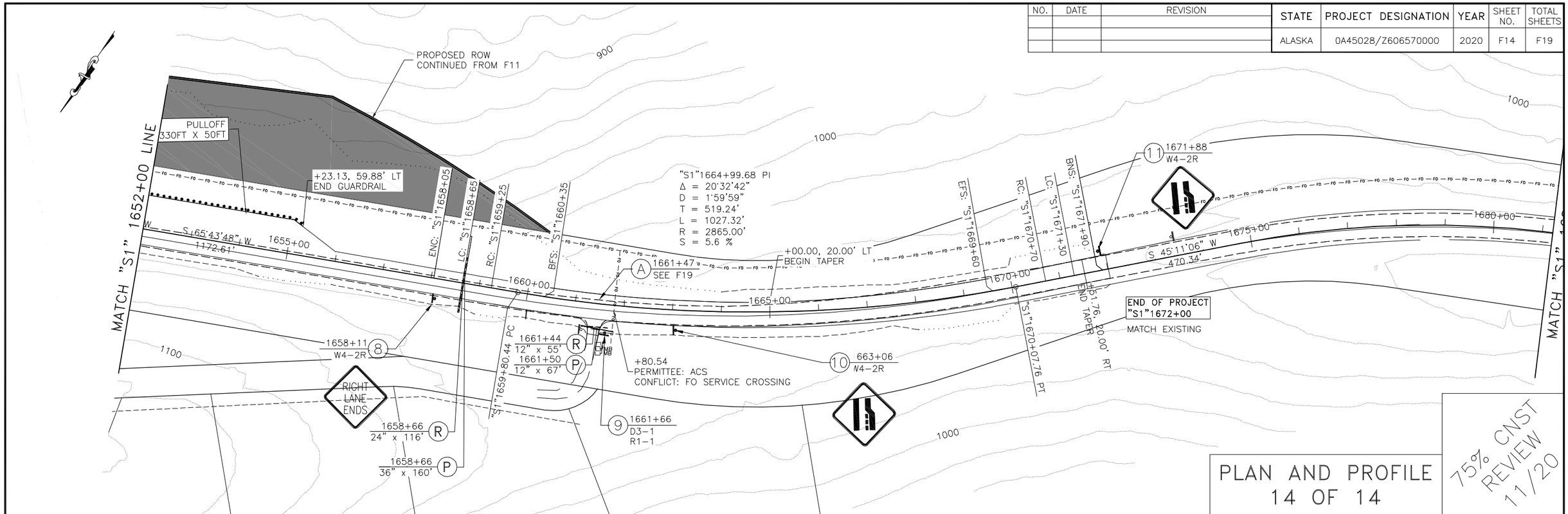
75% CNST REVIEW 11/20



PLANS DEVELOPED BY: MICHAEL BAKER INTERNATIONAL, AECC103, 3900 C STREET SUITE 900, ANCHORAGE, AK 99503 (907) 273-1600
T:\AKDOT\148830 - DOT&PF Parks 305-325 PI\04 CADD\319-325\60657_P&P_S1-P&P_13 Mon, Nov/30/20 09:59am

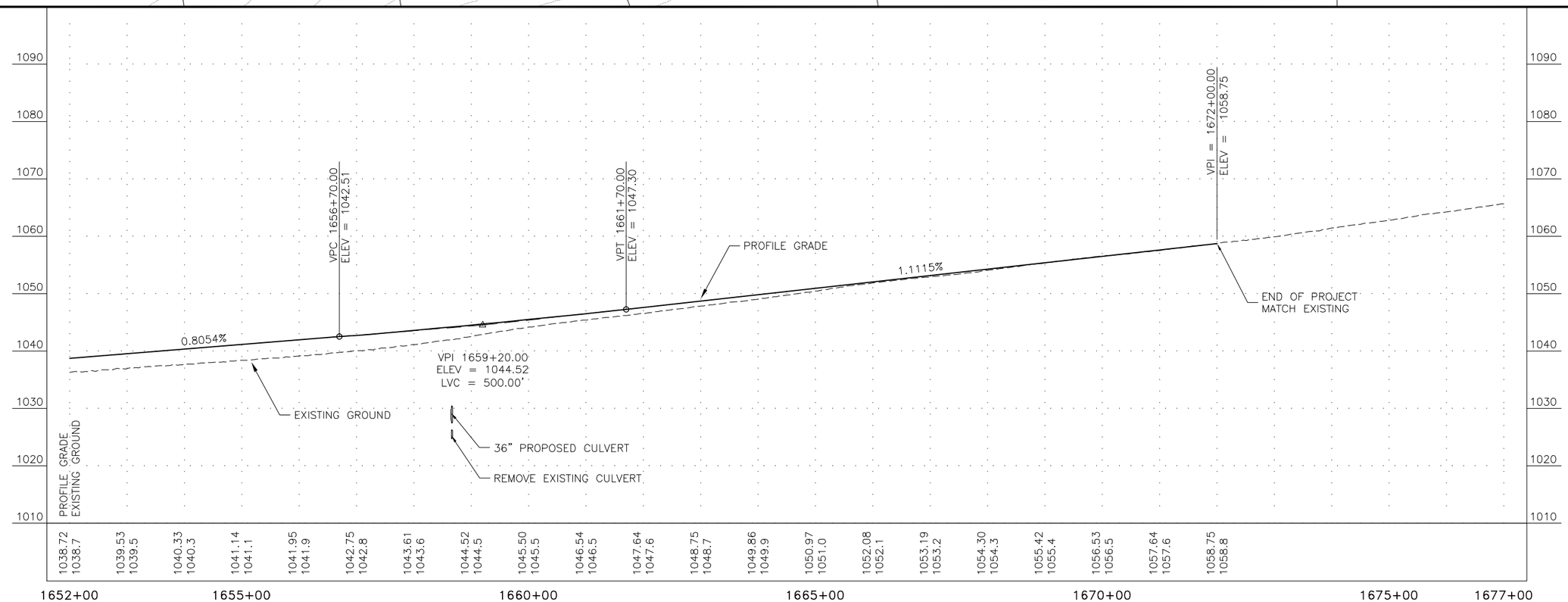
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0A45028/Z606570000	2020	F14	F19



PLAN AND PROFILE
14 OF 14

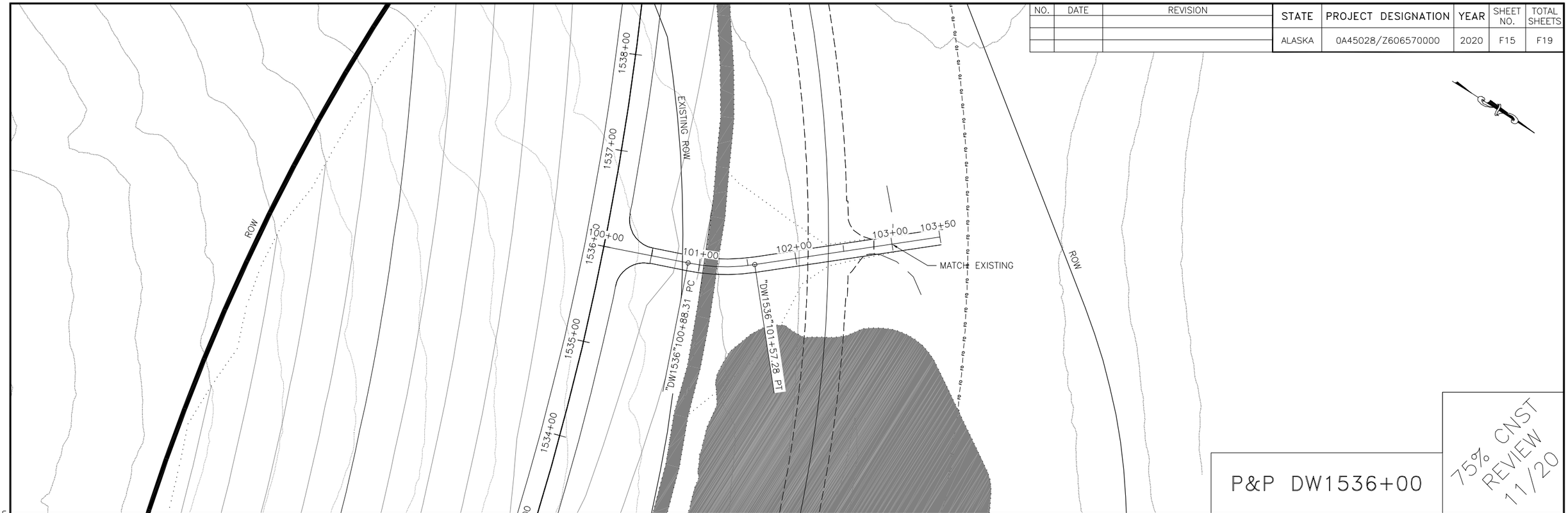
75% CNST REVIEW 11/20



PLANS DEVELOPED BY: MICHAEL BAKER INTERNATIONAL, AECC103, 3900 C STREET SUITE 900, ANCHORAGE, AK 99503 (907) 273-1600
T:\AKDOT\148830 – DOT&PF Parks 305-325 PI\04 CADD\319-325\60657_P&P_S1-P&P_14 Mon, Nov/30/20 10:00am

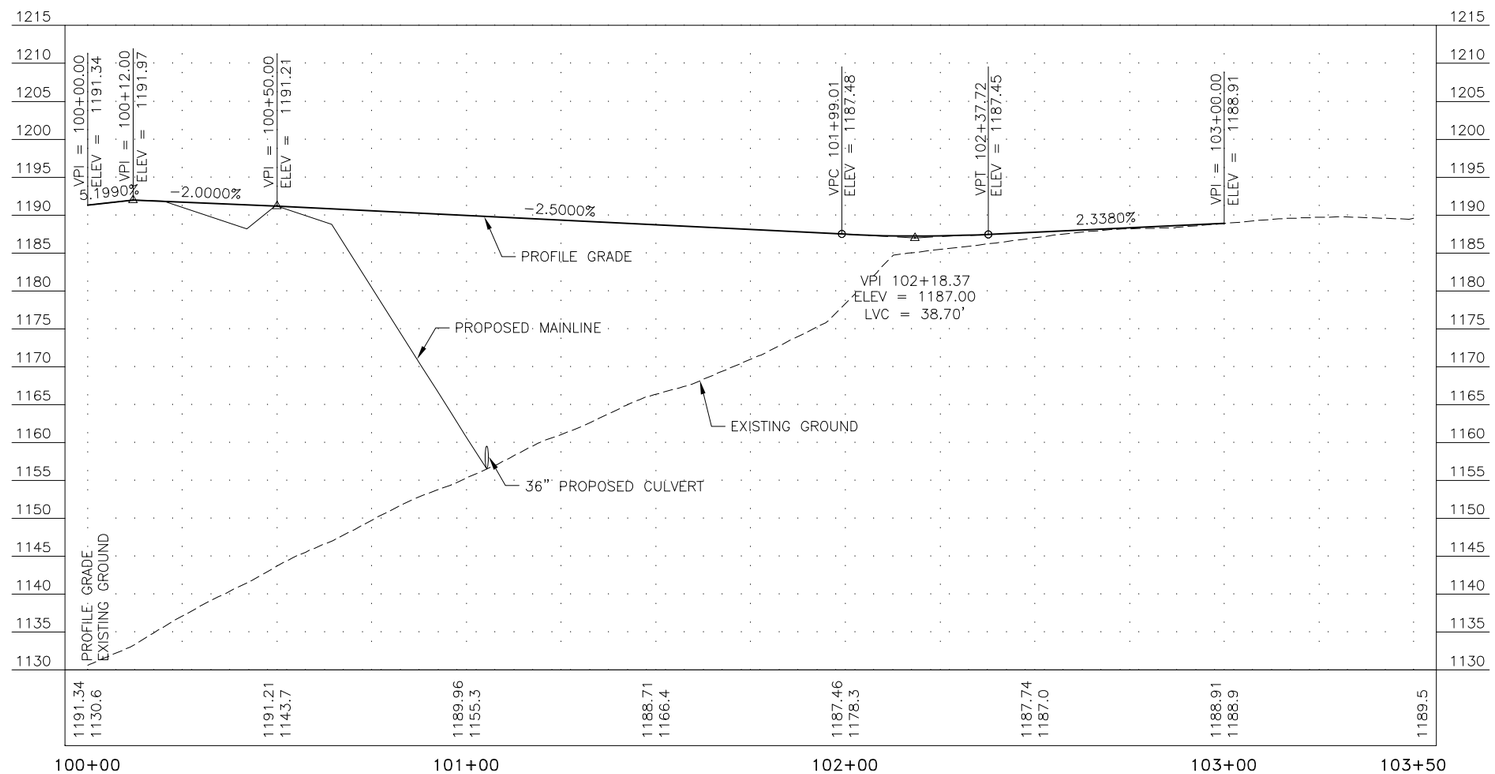
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0A45028/Z606570000	2020	F15	F19



P&P DW1536+00

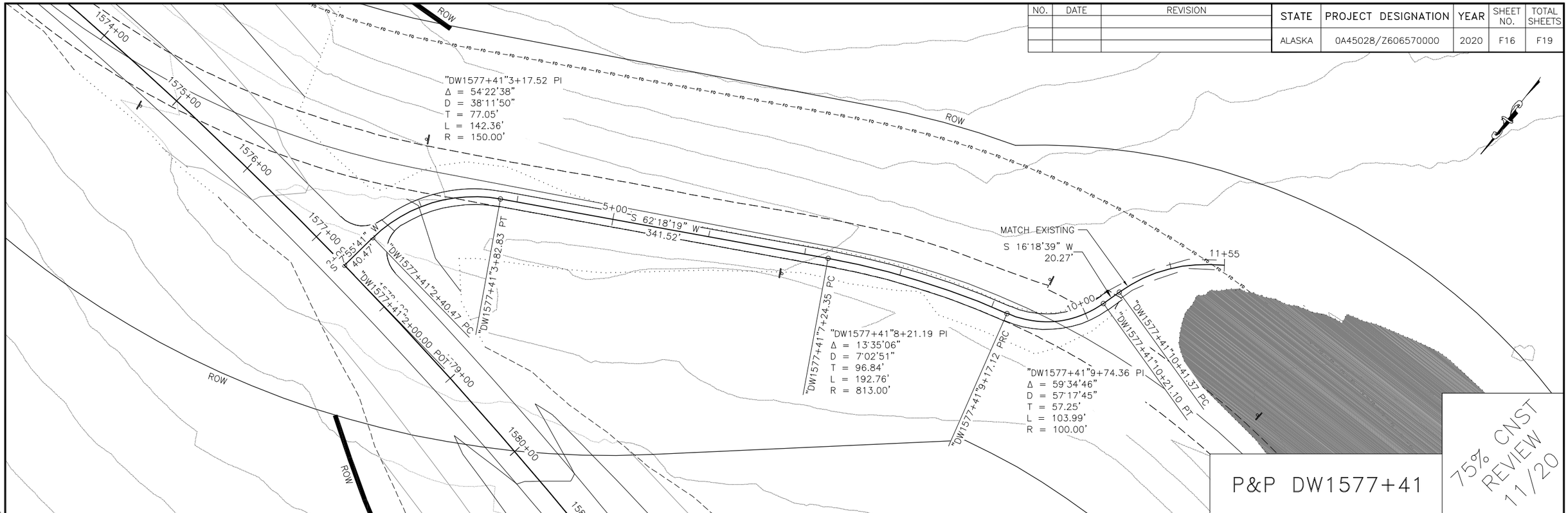
75% CNST REVIEW 11/20

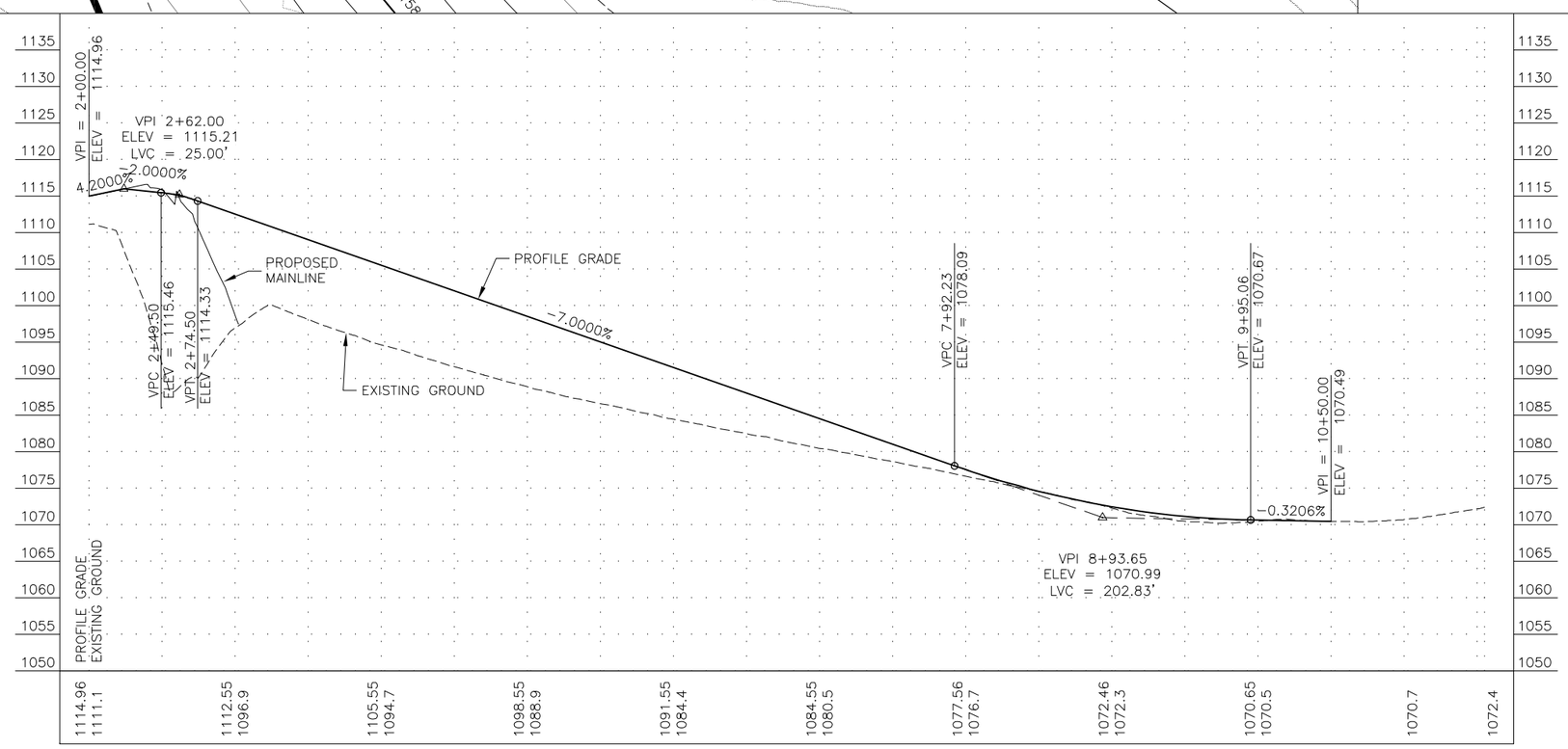


PLANS DEVELOPED BY: MICHAEL BAKER INTERNATIONAL, 3900 C STREET SUITE 900, ANCHORAGE, AK 99503, (907)372-1600
T:\AKDOT\148830 - DOT&PF Parks 305-325 PI\04 CADD\319-325\60657_DW_Seg 1-P&P DW1536+00 Mon, Nov/30/20 10:01am

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0A45028/Z606570000	2020	F16	F19

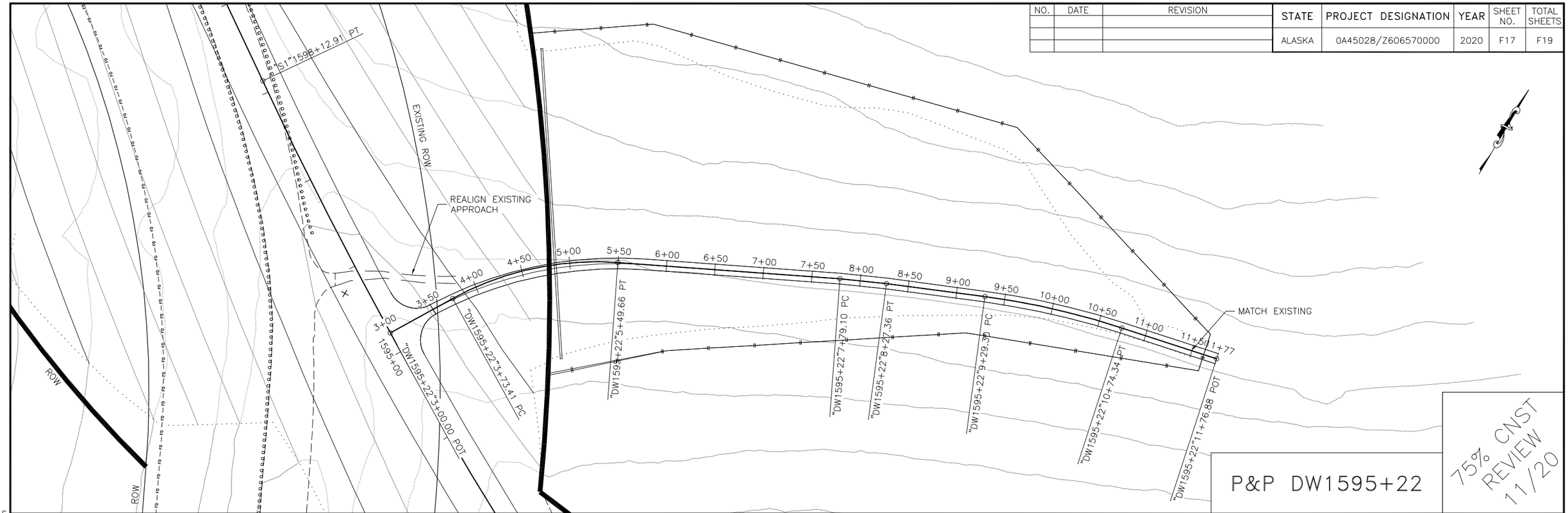




PLANS DEVELOPED BY: MICHAEL BAKER INTERNATIONAL, 3900 C STREET SUITE 900, ANCHORAGE, AK 99503, (907)372-1600
T:\AKDOT\148830 - DOT&PF Parks 305-325 PI\04 CADD\319-325\60657_DW_Seg 1-P&P DW1577+41 Mon, Nov/30/20 10:01am

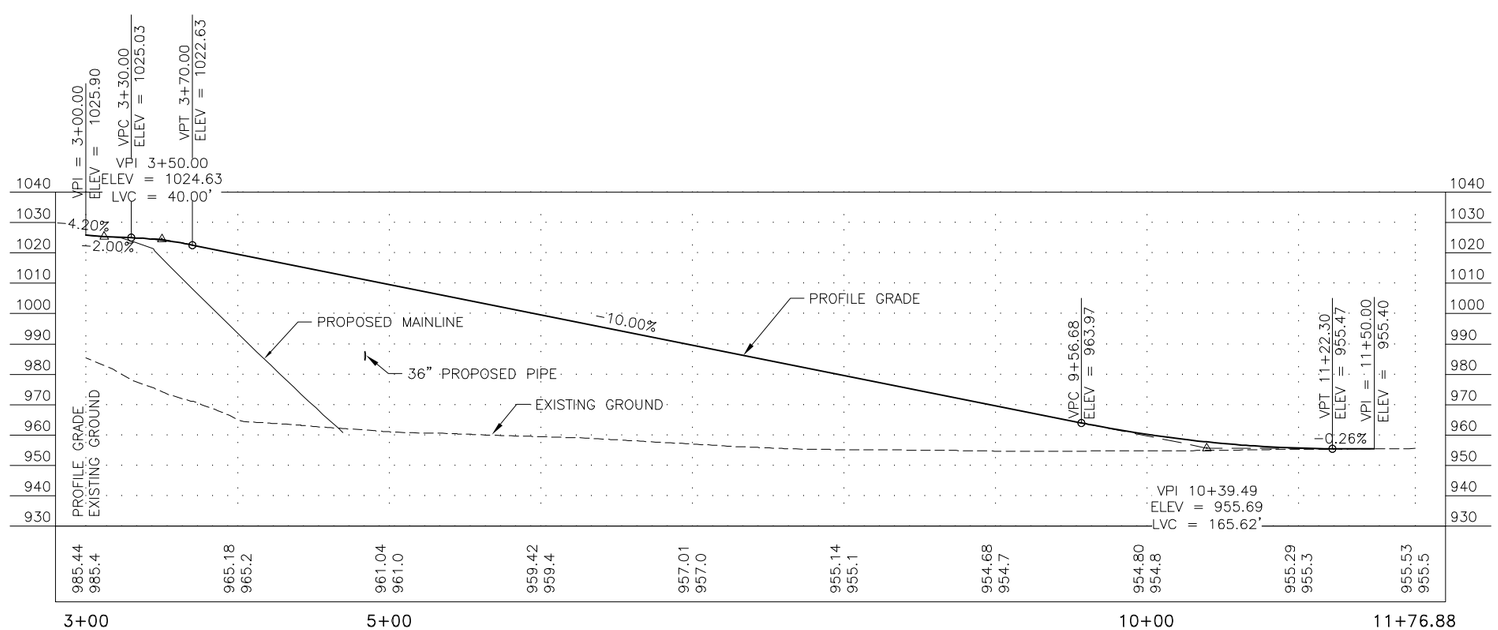
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0A45028/Z606570000	2020	F17	F19



P&P DW1595+22

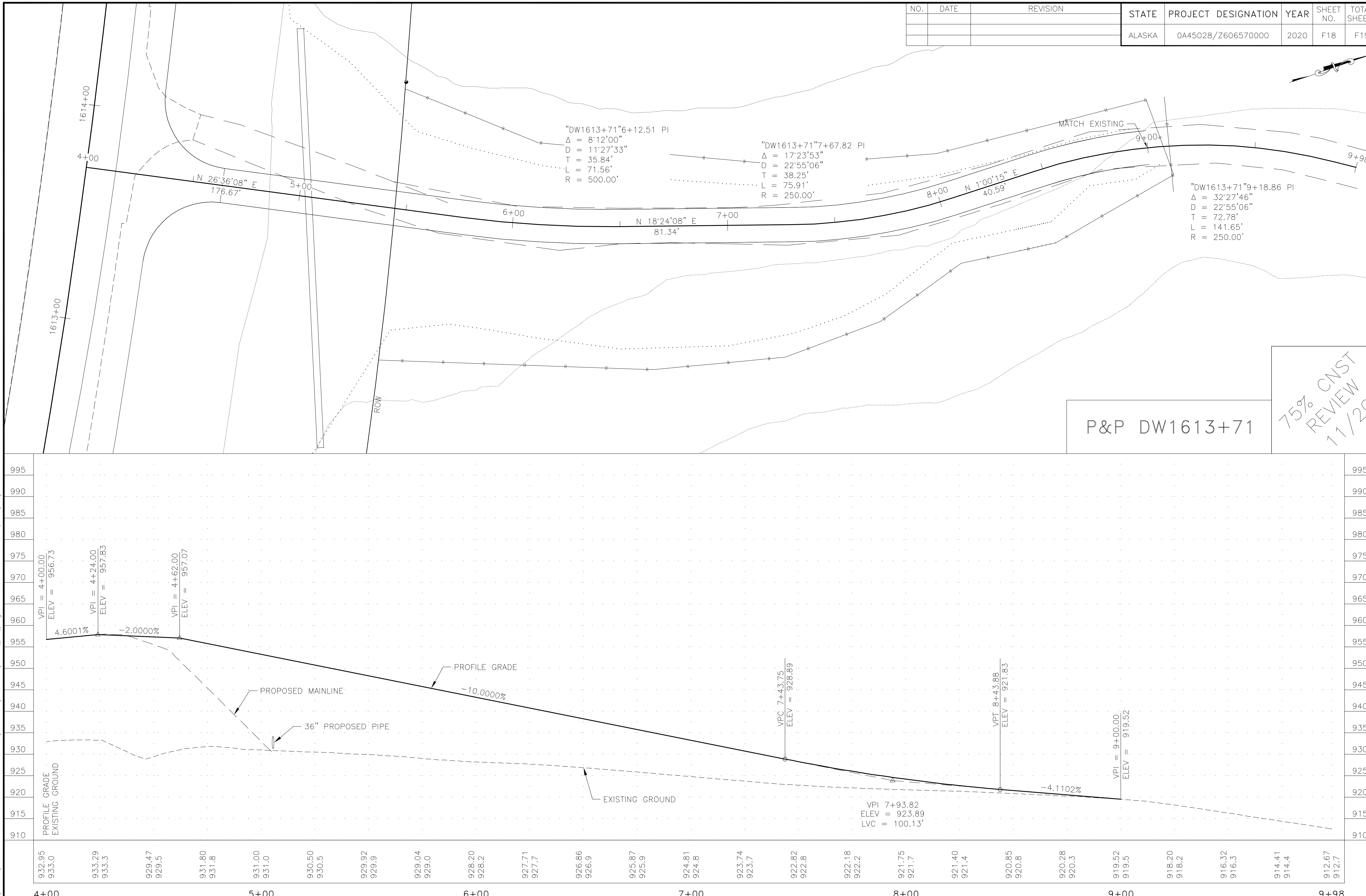
75% CNST REVIEW 11/20



PLANS DEVELOPED BY: MICHAEL BAKER INTERNATIONAL, AECC103, 3900 C STREET SUITE 900, ANCHORAGE, AK 99503 (907) 273-1600
T:\AKDOT\148830 - DOT&PF Parks 305-325 PI\04 CADD\319-325\60657_DW_Seg 1-P&P DW1595+22 Mon, Nov/30/20 10:02am

NO.	DATE	REVISION

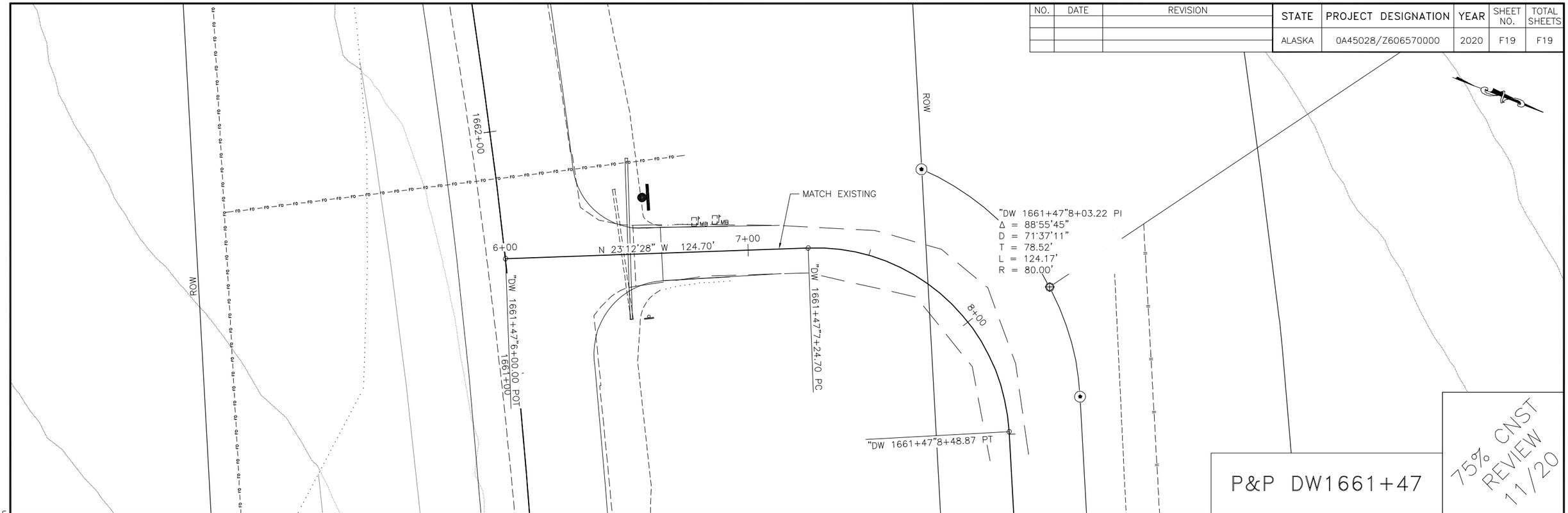
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0A45028/Z606570000	2020	F18	F19



PLANS DEVELOPED BY: STATE OF ALASKA ... FAIRBANKS, AK 99709 (907)451-2200
T:\AKDOT\148830 - DOT&PF Parks 305-325 PI\04 CADD\319-325\60657_DW_Seg 1-P&P DW1613+71 Mon, Nov/30/20 10:02am

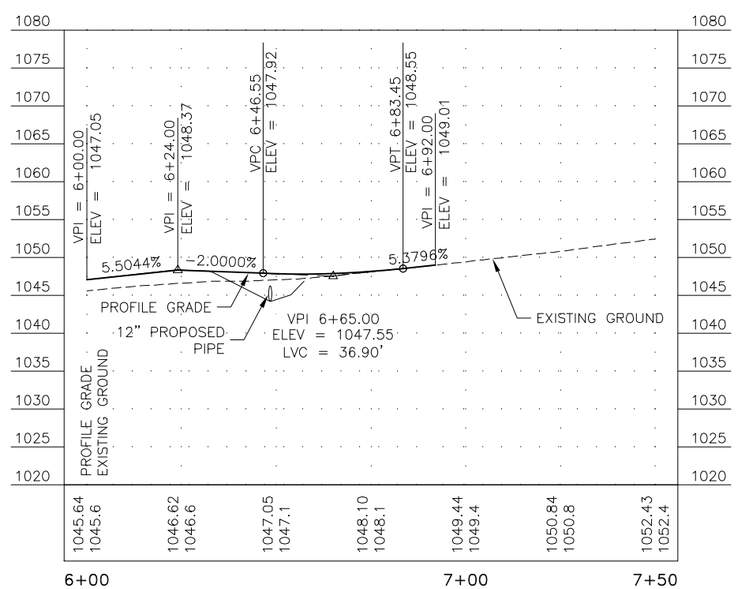
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0A45028/Z606570000	2020	F19	F19



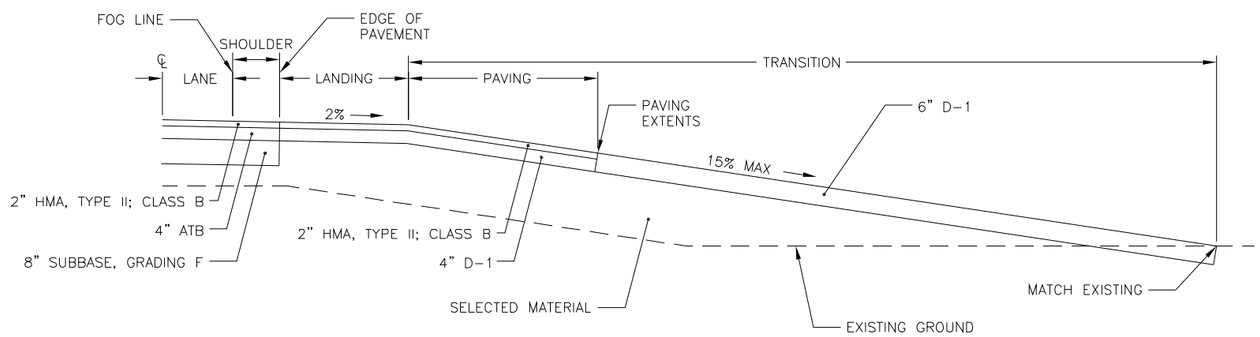
P&P DW1661+47

75% CNST REVIEW 11/20

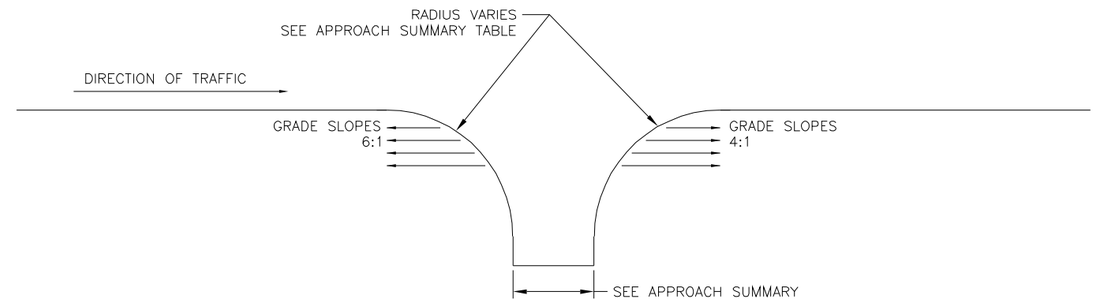


PLANS DEVELOPED BY: STANTEC/DFBA/ASRC-ANTHERM/MTU/SMI, CPB/CUTA/ADUSPORT/ATI/GNI/TIE BUILDING/CMC/DATES, AKC/PB/SHEDN (FECD)DW22.3\DOPEGER ROAD, FAIRBANKS, AK 99709 (907)451-2200
T:\AKDOT\148830 - DOT&PF Parks 305-325 PI\04 CADD\319-325\60657_DW_Seg 1-P&P DW1661+47 Mon, Nov/30/20 10:02am

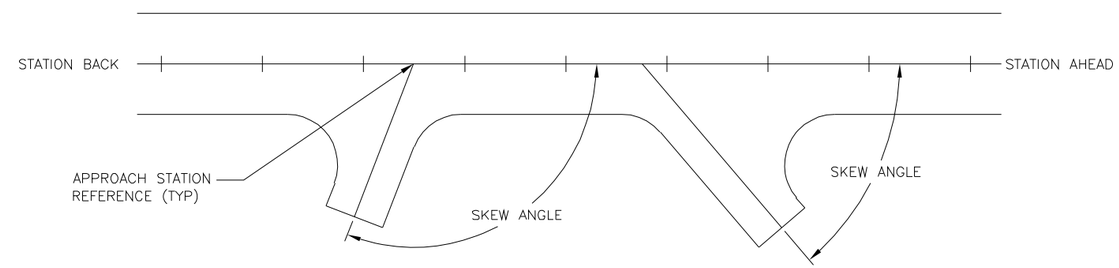
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0A45028/Z606570000	2020	G1	G1



RESIDENTIAL APPROACH ELEVATION



INTERSECTION DETAIL
APPROACH INTERSECTION



STATION REFERENCE DETAIL

DRIVEWAY NOTES

1. MATCH EXISTING EDGE OF APPROACH AND APPROXIMATE APPROACH LOCATION. TRANSITIONS, DIMENSIONS, AND LOCATIONS ARE LISTED IN THE APPROACH SUMMARY TABLE AND MAY BE FIELD ADJUSTED BY THE ENGINEER.
2. RE-GRADING APPROACH SLOPES IS SUBSIDIARY TO PAY ITEM 639.0001.0000.
3. THE MAXIMUM ALGEBRAIC DIFFERENCE BETWEEN LANDING GRADE AND TRANSITION OF COMMERCIAL APPROACHES IS NOT TO EXCEED 8%.

639.0001.0000 – APPROACH SUMMARY

STATION	RT/LT	WIDTH	TYPE	RADIUS		LANDING	TRANSITION	TRANSITION SLOPE	PAVING	SKEW ANGLE	REMARKS
				AHD STA	BK STA						
1447+66	LT	16'	FARM	30'	30'	30'	0'	13'%	30'	95°	ACCESS HAS ACCESS GATE BUT NO EXISTING PAVEMENT
1536+00	RT	16'	FARM	30'	30'	30'	250'	−2.5%	30'	90°	EXTEND ACCESS TO REALIGNMENT SEE F15
1577+41	LT	16'	FARM	30'	30'	30'	778'	−9.00%	30'	90°	ACCESS ALONG EXISTING HIGHWAY ALIGNMENT SEE F16
1595+22	RT	16'	FARM	30'	30'	30'	750'	−10.00%	30'	90°	SEE F17
1613+71	RT	16'	FARM	32'	32'	30'	488'	−12.75%	30'	90°	SEE F18
1661+47	RT	24'	RESIDENTIAL	30'	30'	30'	63'	5.00%	30'	90°	SEE F19

APPROACHES

75% CNST REVIEW 11/20

PLANS DEVELOPED BY: MICHAEL BAKER INTERNATIONAL, AECC103, 3900 C STREET SUITE 900, ANCHORAGE, AK 99503 (907) 273-1600
T:\AKDOT\148830 – DOT&PF Parks 305-325 PI\04 CADD\319-325\60657_Approaches_SEG1-APPROACHES Mon, Nov/30/20 01:26am