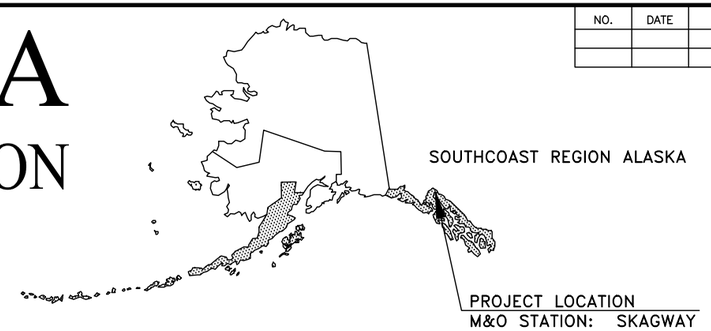
STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES

NO.	DATE	REVISIONS

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SDRER00410	2022	A1	36



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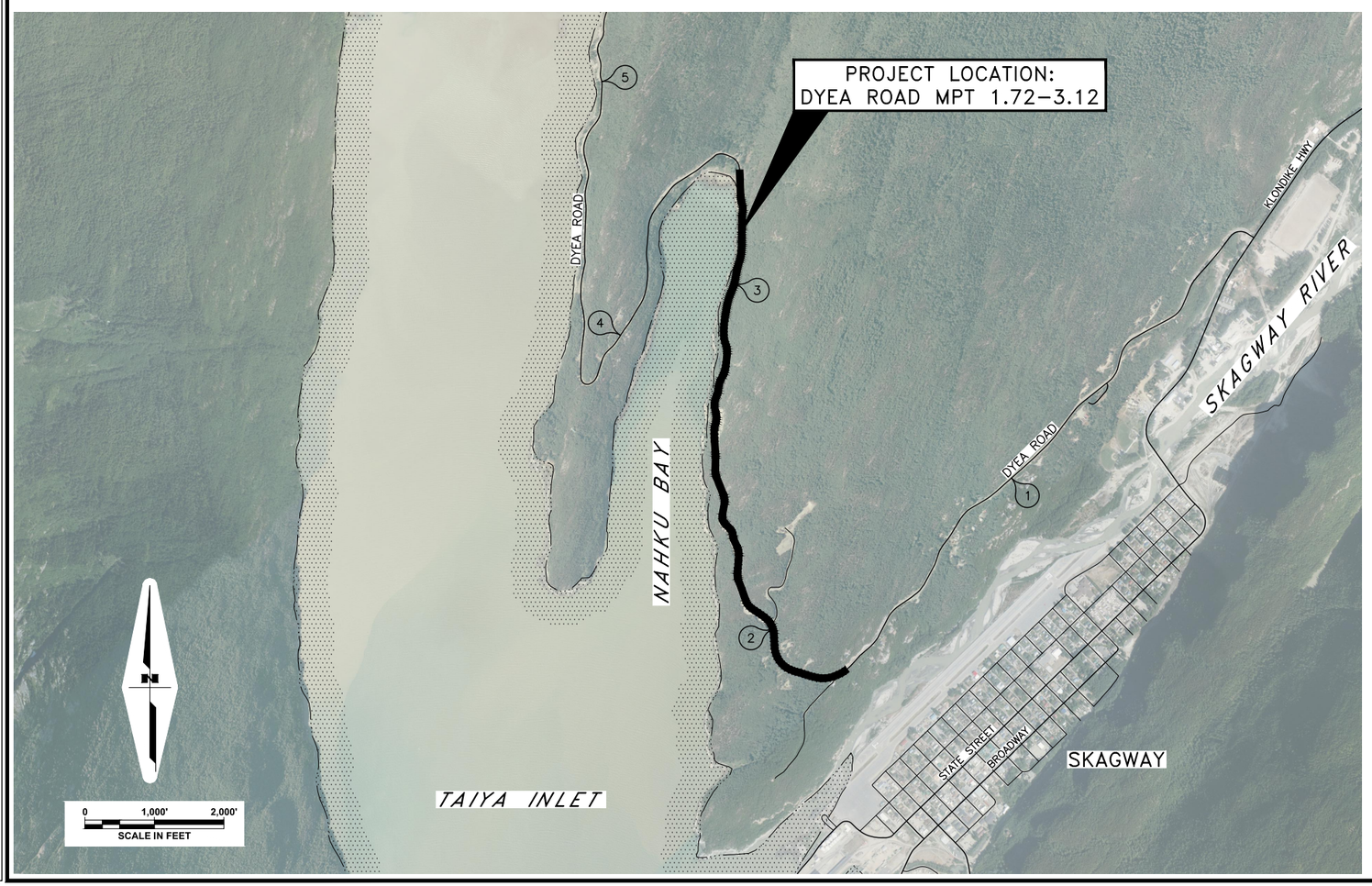
	LATITUDE: 59.461367	LONGITUDE: −135.331784
DI #461261	ROUTE ID: 2041003X000	MILEPOINT: 2.3
	LATITUDE: 59.464910	LONGITUDE: −135.334992
DI #784616	ROUTE ID: 2041003X000	MILEPOINT: 2.49
	LATITUDE: 59.467876	LONGITUDE: −135.336392
DI #461216	ROUTE ID: 2041003X000	MILEPOINT: 2.8
	LATITUDE: 59.471721	LONGITUDE: −135.335706
DI #461217	ROUTE ID: 2041003X000	MILEPOINT: 2.95−3.05
	LATITUDE: 59.474755	LONGITUDE: −135.335390
DI #461648 & DI#784619	ROUTE ID: 2041003X000	MILEPOINT: 3.12
	LATITUDE: 59.476872	LONGITUDE: −135.476872

PROPOSED HIGHWAY PROJECT

SGY DYEA ROAD #00049 - DEC 20 SE PR
PROJECT NO. SDRER00410

GRADING, DRAINAGE, PAVING, STRIPING, SIGNING, AND SIDE SLOPE STABILIZATION



PROJECT SUMMARY

LOCATION	WIDTH	LENGTH	REMARKS
DYEA RD MP 1.72 DI#461214	12'	100'	
DYEA RD MP 2.0 DI#461260	24'	10'	
DYEA RD MP 2.3 DI#461261	24'	50'	
DYEA RD MP 2.49 DI#784616	12'	375'	
DYEA RD MP 2.8 DI#461216	12'	200'	
DYEA RD MP 2.95−3.05 DI#461217	12'	300'	
DYEA RD MP 3.12 DI#461648 & DI#784619	12'−24'	190'	

DESIGN DESIGNATIONS

PROJECT TYPE	RECONSTRUCTION
FUNCTIONAL CLASS	MINOR COLLECTOR
ADT (2020)	430
DESIGN SPEED (V)	25 MPH

REVIEW **PS&E**

July 29, 2022

DATE

USE THESE PLANS IN CONJUNCTION WITH THE STATE OF ALASKA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2020 EDITION AND THE PROJECT SPECIAL PROVISIONS.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
6860 GLACIER HIGHWAY, JUNEAU, AK 99801
(907) 465−1763

APPROVED:

KIRK MI **PS&E REVIEW**
REGIONAL

CONCUR **JULY 2022**

D. LANCE MEARIG, P.E. DATE
DIRECTOR, SOUTHCOAST REGION

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	A2	36

	RECOVERED	SET
BLM MONUMENT		
GLO MONUMENT		
USC&GS MONUMENT		
PRIMARY MONUMENT		
CENTERLINE MONUMENT IN CASING		
PRIMARY R.O.W. MONUMENT		
BEARING OBJECT		
MISCELLANEOUS MONUMENT		
LINE OF SIGHT MONUMENT		
CONCRETE R.O.W. MONUMENT		
BENCHMARK		BM
REBAR AND CAP		
REBAR		
IRON PIPE		
PK NAIL		
SPIKE		
HUB AND TACK		
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		
CONTROLLED ACCESS LINE	C/A	
UTILITY EASEMENT LINE	PUE	
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
SANITARY SEWER (FLOW DIRECTION)	SS	SS
FUEL LINE	O	O
GAS LINE	G	G
WATER LINE	W	W
METER, VALVE, FIRE HYDRANT	W	W
EXISTING CULVERT		
PROPOSED STORM DRAIN		S-10, S-11, P-11, P-10, MH
FIBER OPTIC LINE	FO	
DIRECT BURIAL TELEPHONE CABLE	T	T
DIRECT BURIAL ELECTRIC CABLE	E	E
ELECTRIC LINE (OVERHEAD)	OHE	
POWER POLE LINE		
JOINT USE POWER & TELEPHONE		
TELEPHONE POLE LINE		
POLE ANCHOR		
STUB POLE (POWER OR TELEPHONE)		
TELEPHONE DUCT	T	T
TELEPHONE PEDESTAL		
BURIED CABLE MARKER		
PIPELINE MARKER OR VALVE		
CATCH BASIN OR DROP INLET		
MANHOLE	MH	MH
SANITARY SEWER CLEAN OUT		
PRIVATE LUMINAIRE	P	
ELECTRIC BOX	E	
MILE POST	4	
RIPRAP		
PAVEMENT		
AGGREGATE SURFACE COURSE		
GRAVEL EDGE		

	EXISTING	PROPOSED
ROADWAY/PAVEMENT EDGE		
FENCE	X	X
CURB AND GUTTER		
DETECTABLE WARNINGS		
GUARDRAIL		
CULVERT PIPE		
SIGN		
MAILBOX	MB	MB
RAILROAD TRACKS		
RAILROAD DEVICES	CROSS-BUCK, FLASHING LIGHT	CANTILEVER, SWITCH
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
POST OR BOLLARD		
WELL OR MONITORING WELL	W	
SEPTIC PIPE	S, MW	
FUEL TANK FILL PIPE/VENT	P	
SATELLITE DISH	SAT. DISH	
TEST HOLE	TH	
CONIFER TREE		
DECIDUOUS TREE		
GRAVE		
THERMOSIPHON		
PARKING METER		
VEHICLE PLUG-IN		
DELINEATOR/GUIDE MARKER		

	EXISTING	PROPOSED
JUNCTION BOX, TYPE IA		5
JUNCTION BOX, TYPE II		6
JUNCTION BOX, TYPE III		3
SIGNAL FACE, VEHICULAR	42	42
SIGNAL FACE, BACKPLATE	42	42
SIGNAL FACE, LEFT TURN, BACKPLATE	43	43
SIGNAL FACE, PEDESTRIAN	48	48
LOOP DETECTOR	33	73
VIDEO DETECTOR	2	2
RADAR DETECTOR	4	4A
OPTICOM DETECTOR	1	1
PEDESTRIAN PUSH BUTTON	1	1
SIGNAL POST W/O MAST ARM		1
SIGNAL POLE W/MAST ARM		4
SIGNAL CONTROLLER		
LOAD CENTER		
LUMINAIRE		122
RIGID METAL CONDUIT		

ABBREVIATIONS:

APPROX	APPROXIMATLY
℄	CENTERLINE
CY	CUBIC YARD
E	EAST, EASTING
ELE, ELEV	ELEVATION
FT. '	FOOT, FEET
H	HORIZONTAL
HW/D	HEADWATER TO DIAMETER RATIO
IE	INVERT ELEVATION
IN, "	INCH, INCHES
L	LENGTH OF CURVE
L.C.L	LEFT OF CENTERLINE
LT	LEFT
LVC	LENGTH OF VERTICAL CURVE
MAX	MAXIMUM
MIN	MINIMUM
N	NORTH, NORTHING
NO.	NUMBER
NTS	NOT TO SCALE
O.C.	ON CENTER
PC	POINT OF CURVATURE
POT	POINT ON TANGENT
PST	PERFORATED STEEL TUBE
PT	POINT OF TANGENCY
PVI	POINT OF VERTICAL INTERSECTION
R	RADIUS
R.C.L	RIGHT OF CENTERLINE
RT	RIGHT
S	SOUTH
SQ. FT.	SQUARE FOOT
STA	STATION
T	TANGENT
TCE	TEMPORARY CONSTRUCTION EASEMENT
TS	TUBE STEEL
TYP	TYPICAL
V	VERTICAL
VPC	VERTICAL POINT OF CURVATURE
VPI	VERTICAL POINT OF INTERSECTION
VPT	VERTICAL POINT OF TANGENCY
W	WEST
WWR	WELDED WIRE REINFORCEMENT
Ø	DIAMETER
TRM	TURF REINFORCEMENT MAT

PLANS DEVELOPED BY:
HDR ENGINEERING, INC.
582 E 36TH AVE STE 500
ANCHORAGE, AK 99503-4169
(907) 644-2000
CERT. OF AUTH. AECC569

STATE OF ALASKA 49TH PS&E REVIEW JULY 2022 12937 REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SGY DYEA ROAD
#00049 – DEC 20 SE PR

LEGEND

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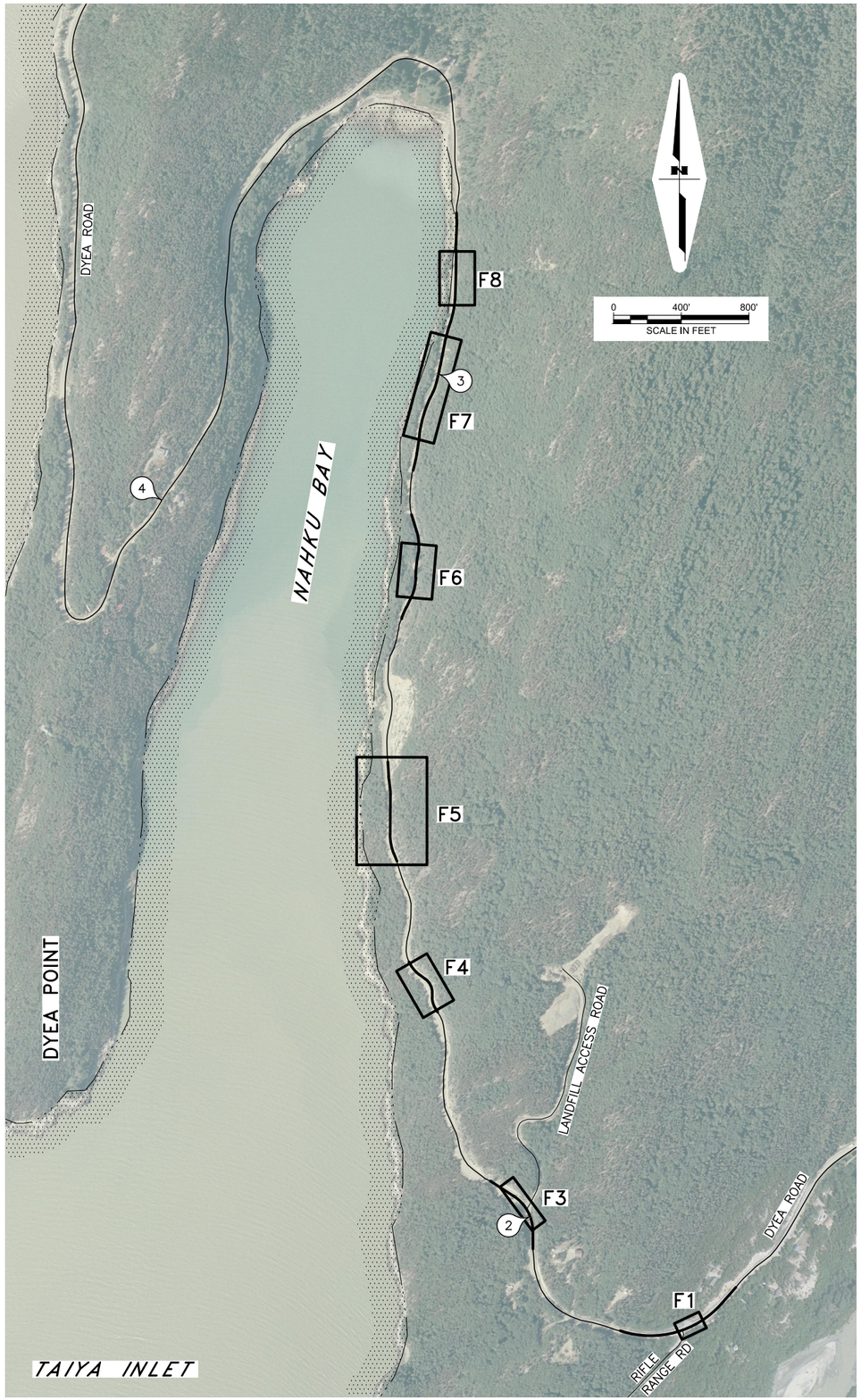
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SDRER00410	2022	A3	36



INDEX OF SHEETS

SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2	LEGEND
A3	LAYOUT AND INDEX OF SHEETS
A4–A7	SURVEY CONTROL
B1–B3	TYPICAL SECTIONS
C1–C2	ESTIMATE OF QUANTITIES
D1–D2	SUMMARY TABLES
E1–E5	DETAILS
F1–F8	PLAN AND PROFILE
H1	SIGN SUMMARY AND STRIPING DETAILS
Q1–Q7	EROSION SEDIMENT CONTROL PLANS
T1	TRAFFIC CONTROL PLAN

THE FOLLOWING STANDARD PLANS APPLY:
D–01.02, D–04.22, D–09.00, D–13.10, D–30.11,
D–31.01
E–09.00
S–05.02, S–20.11, S–30.05
T–21.04

GENERAL NOTES:

1. MAKE ALL PAVEMENT CUTS CLEAN, VERTICAL, AND TRUE TO REMOVAL LIMITS SHOWN ON PLANS.
2. ROW LINES WERE TAKEN FROM XXXXXX. THE LINES WERE INSERTED INTO THE PLANS USING A COMMON COORDINATE SYSTEM. THE LOCATION OF THE ROW LINES HAVE NOT BEEN SURVEYED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION OF, AND STAY WITHIN THE RIGHT OF WAY.

PLANS DEVELOPED BY:
HDR ENGINEERING, INC.
582 E 36TH AVE STE 500
ANCHORAGE, AK 99503-4169
(907) 644-2000
CERT. OF AUTH. AECC569

STATE OF ALASKA
49TH
PS&E REVIEW
JULY 2022
12937
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SGY DYEA ROAD
#00049 – DEC 20 SE PR

LAYOUT AND INDEX OF SHEETS

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DATE 7/19/2022 17:47
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NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SDRER00410	2022	SCS1	13

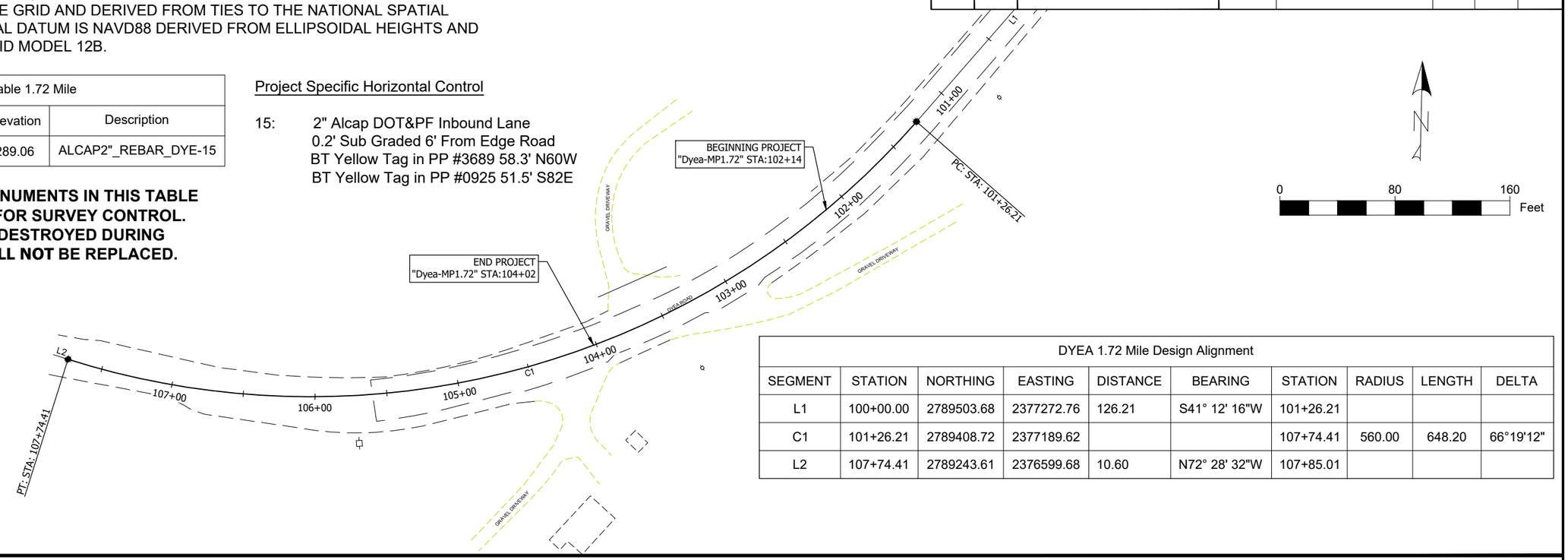
HORIZONTAL AND VERTICAL CONTROL STATEMENT:
COORDINATES LISTED ARE NAD83(2011) ALASKA STATE PLANE COORDINATE SYSTEM ZONE 1 U.S. FEET. ALL BEARINGS AND DISTANCES ARE GRID AND DERIVED FROM TIES TO THE NATIONAL SPATIAL REFERENCE SYSTEM. THE VERTICAL DATUM IS NAVD88 DERIVED FROM ELLIPSOIDAL HEIGHTS AND NATIONAL GEODETIC SURVEY GEOID MODEL 12B.

Survey Control Table 1.72 Mile				
Point #	Northing	Easting	Elevation	Description
15	2789283.96	2376374.92	289.06	ALCAP2"_REBAR_DYE-15

ALL SURVEY CONTROL MONUMENTS IN THIS TABLE ARE PROVIDED STRICTLY FOR SURVEY CONTROL. SHOULD ANY OF THEM BE DESTROYED DURING CONSTRUCTION THEY SHALL NOT BE REPLACED.

Project Specific Horizontal Control

15: 2" Alcap DOT&PF Inbound Lane
0.2' Sub Graded 6' From Edge Road
BT Yellow Tag in PP #3689 58.3' N60W
BT Yellow Tag in PP #0925 51.5' S82E



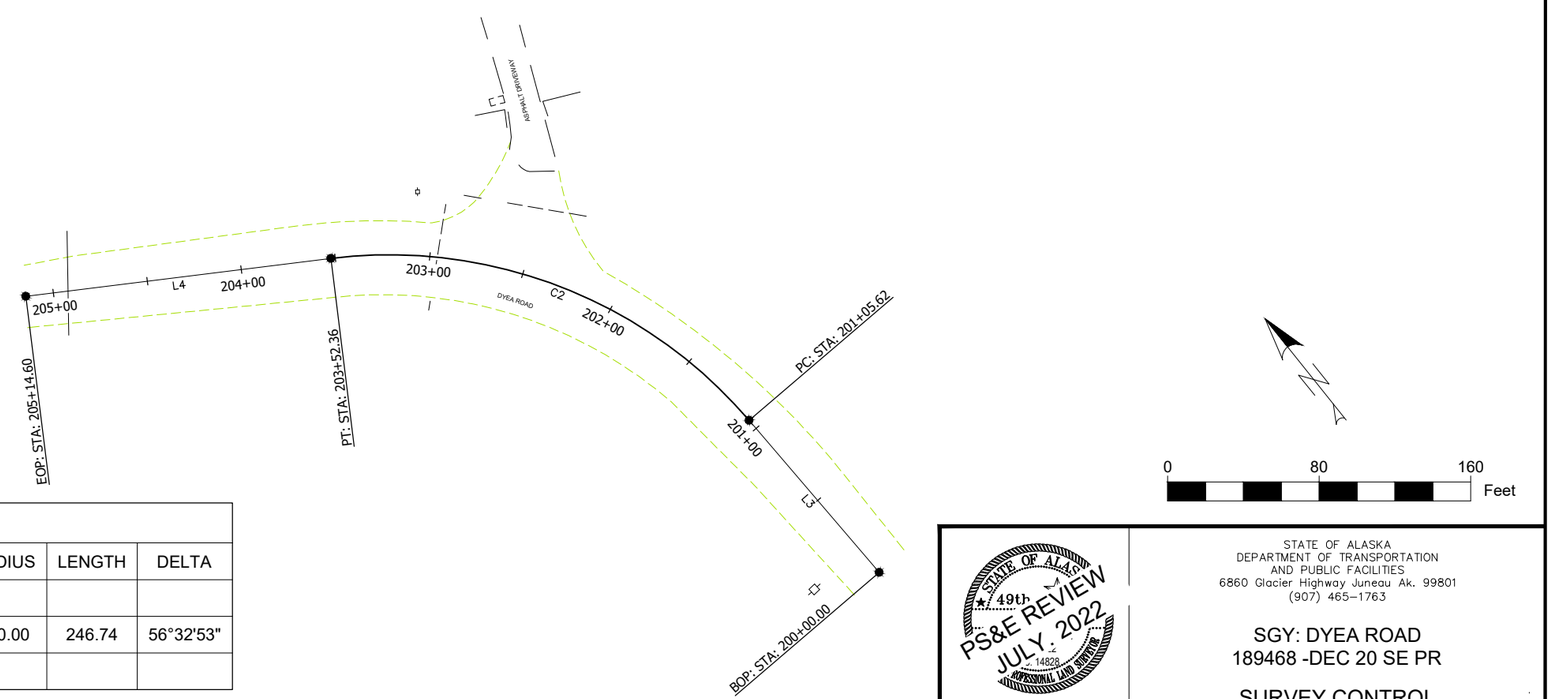
DYEA 1.72 Mile Design Alignment									
SEGMENT	STATION	NORTHING	EASTING	DISTANCE	BEARING	STATION	RADIUS	LENGTH	DELTA
L1	100+00.00	2789503.68	2377272.76	126.21	S41° 12' 16"W	101+26.21			
C1	101+26.21	2789408.72	2377189.62			107+74.41	560.00	648.20	66°19'12"
L2	107+74.41	2789243.61	2376599.68	10.60	N72° 28' 32"W	107+85.01			

Survey Control Table 1.89 Mile				
Point #	Northing	Easting	Elevation	Description
18	2790167.67	2375674.26	238.09	ALCAP2"/REBAR_DYE-18

ALL SURVEY CONTROL MONUMENTS IN THIS TABLE ARE PROVIDED STRICTLY FOR SURVEY CONTROL. SHOULD ANY OF THEM BE DESTROYED DURING CONSTRUCTION THEY SHALL NOT BE REPLACED.

Project Specific Horizontal Control

18: 2" Alcap DOT&PF Inbound Lane
0.5' Sub Graded @ Edge Turn Out
BT Yellow Tag in Guy Pole 9.2' N56E



DYEA 1.89 Mile Design Alignment									
SEGMENT	STATION	NORTHING	EASTING	DISTANCE	BEARING	STATION	RADIUS	LENGTH	DELTA
L3	200+00.00	2789730.34	2376073.69	105.62	N0° 33' 30"W	201+05.62			
C2	201+05.62	2789835.96	2376072.66			203+52.36	250.00	246.74	56°32'53"
L4	203+52.36	2790043.44	2375958.44	162.24	N57° 06' 23"W	205+14.60			

STATE OF ALASKA 49th PS&E REVIEW JULY, 2022 14828 HOPKINS, LAND SURVEYOR

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
6860 Glacier Highway Juneau Ak. 99801
(907) 465-1763

SGY: DYEA ROAD
189468 -DEC 20 SE PR

SURVEY CONTROL

DESIGNED J.PAPOI
CHECKED D.IGNOTOV
DRAFTED J.PAPOI
XREFS
SCALE
LAYOUT A2
DATE TIME 4/1/2022 15:50
DRAWING LOCATION
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NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SDRER00410	2022	SCS2	13

HORIZONTAL AND VERTICAL CONTROL STATEMENT:
COORDINATES LISTED ARE NAD83(2011) ALASKA STATE PLANE COORDINATE SYSTEM ZONE 1 U.S. FEET. ALL BEARINGS AND DISTANCES ARE GRID AND DERIVED FROM TIES TO THE NATIONAL SPATIAL REFERENCE SYSTEM. THE VERTICAL DATUM IS NAVD88 DERIVED FROM ELLIPSOIDAL HEIGHTS AND NATIONAL GEODETIC SURVEY GEOID MODEL 12B.

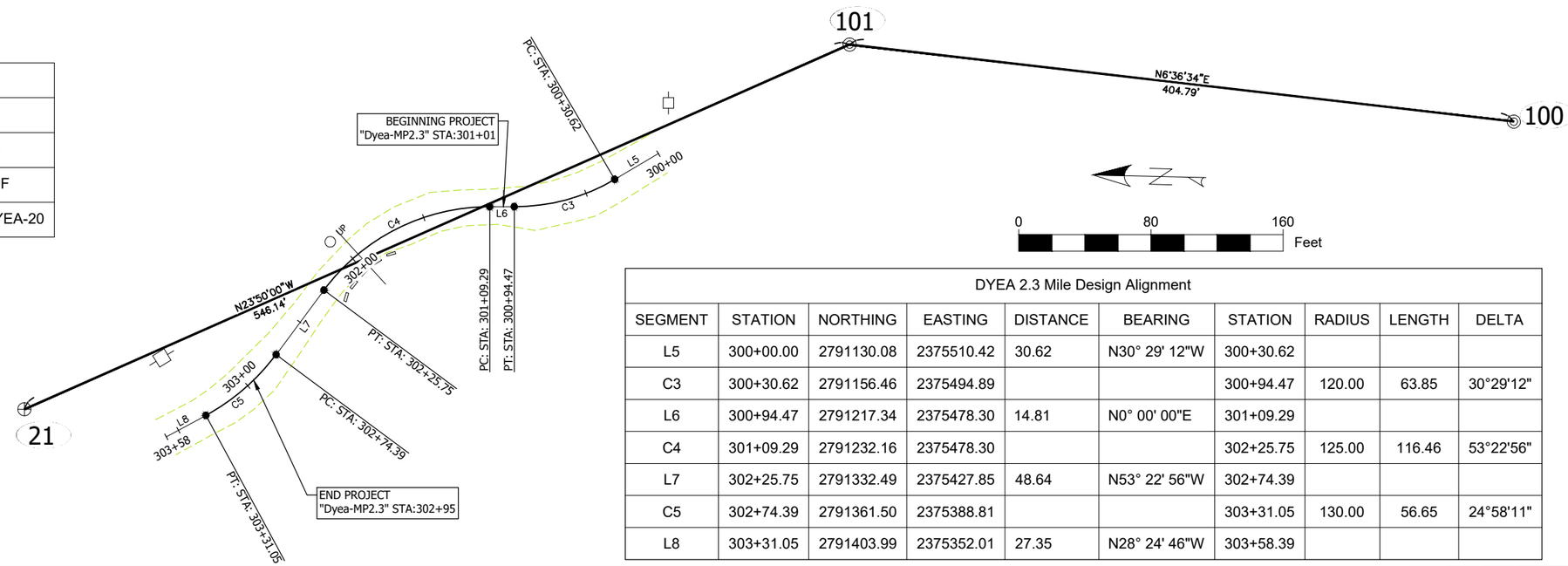
Survey Control Table 2.3 Mile				
Point #	Northing	Easting	Elevation	Description
21	2791513.90	2375355.75	188.25	BC3.25"_DYE-21
100	2790612.23	2375529.85	214.68	ALCAP2"_DOT&PF
101	2791014.32	2375576.44	193.19	ALCAP2"_DOT&PF_DYEA-20

Project Specific Horizontal Control

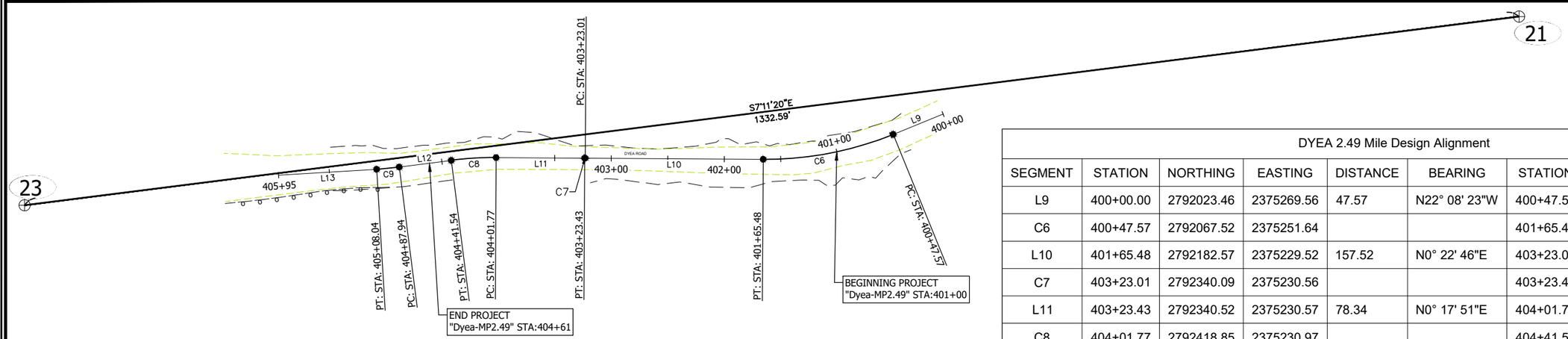
21: 3.25" BC in Bed Rock Atop Rock Cut 5' From Top Cut
BT Yellow Tag in Rock Outcrop 24.3' N76W

100: 2.5" Alcap DOT&PF Set Inbound Lane
0.4' Sub Graded in Pullout
BT in 8" Pine Tree 27.7' N45E

101: 2.5" Alcap DOT&PF Recovered DYEA-20 Replaced Cap
0.4' Sub Graded Outbound Lane in Pullout
BT Curving Road/20MPH Sign 109.0' S10W
BT Yellow Tag in Rock 6.8' S06W



DYEA 2.3 Mile Design Alignment									
SEGMENT	STATION	NORTHING	EASTING	DISTANCE	BEARING	STATION	RADIUS	LENGTH	DELTA
L5	300+00.00	2791130.08	2375510.42	30.62	N30° 29' 12"W	300+30.62			
C3	300+30.62	2791156.46	2375494.89			300+94.47	120.00	63.85	30°29'12"
L6	300+94.47	2791217.34	2375478.30	14.81	N0° 00' 00"E	301+09.29			
C4	301+09.29	2791232.16	2375478.30			302+25.75	125.00	116.46	53°22'56"
L7	302+25.75	2791332.49	2375427.85	48.64	N53° 22' 56"W	302+74.39			
C5	302+74.39	2791361.50	2375388.81			303+31.05	130.00	56.65	24°58'11"
L8	303+31.05	2791403.99	2375352.01	27.35	N28° 24' 46"W	303+58.39			



DYEA 2.49 Mile Design Alignment									
SEGMENT	STATION	NORTHING	EASTING	DISTANCE	BEARING	STATION	RADIUS	LENGTH	DELTA
L9	400+00.00	2792023.46	2375269.56	47.57	N22° 08' 23"W	400+47.57			
C6	400+47.57	2792067.52	2375251.64			401+65.48	300.00	117.91	22°31'08"
L10	401+65.48	2792182.57	2375229.52	157.52	N0° 22' 46"E	403+23.01			
C7	403+23.01	2792340.09	2375230.56			403+23.43	300.00	0.43	0°04'54"
L11	403+23.43	2792340.52	2375230.57	78.34	N0° 17' 51"E	404+01.77			
C8	404+01.77	2792418.85	2375230.97			404+41.54	300.00	39.77	7°35'41"
L12	404+41.54	2792458.52	2375228.55	46.41	N7° 17' 50"W	404+87.94			
C9	404+87.94	2792504.55	2375222.65			405+08.04	300.00	20.10	3°50'17"
L13	405+08.04	2792524.55	2375220.77	86.92	N3° 27' 33"W	405+94.96			

Survey Control Table 2.49 Mile				
Point #	Northing	Easting	Elevation	Description
21	2791513.90	2375355.75	188.25	BC3.25"_DYE-21
23	2792836.01	2375188.99	114.95	BC3.25"_DYE-23

ALL SURVEY CONTROL MONUMENTS IN THIS TABLE ARE PROVIDED STRICTLY FOR SURVEY CONTROL. SHOULD ANY OF THEM BE DESTROYED DURING CONSTRUCTION THEY SHALL NOT BE REPLACED.

Project Specific Horizontal Control

21: 3.25" BC in Bed Rock Atop Rock Cut 5' From Top Cut
BT Yellow Tag in Rock Outcrop 24.3' N76W

23: 3.25" BC in Bed Rock Set Behind Mid Point of Guardrail
BT Yellow Tag in PP #12
BT Yellow Tag in PP

0 100 200 Feet

STATE OF ALASKA 49th PS&E REVIEW JULY, 2022 14826 HOPSWILL LAND SURVEYOR

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
6860 Glacier Highway Juneau Ak. 99801
(907) 465-1763

SGY: DYEA ROAD
189468 -DEC 20 SE PR

SURVEY CONTROL

DESIGNED J.PAPOI
CHECKED D.IGNOTOV
DRAFTED J.PAPOI
XREFS
SCALE
LAYOUT A3
DATE TIME 4/1/2022 15:50
DRAWING LOCATION
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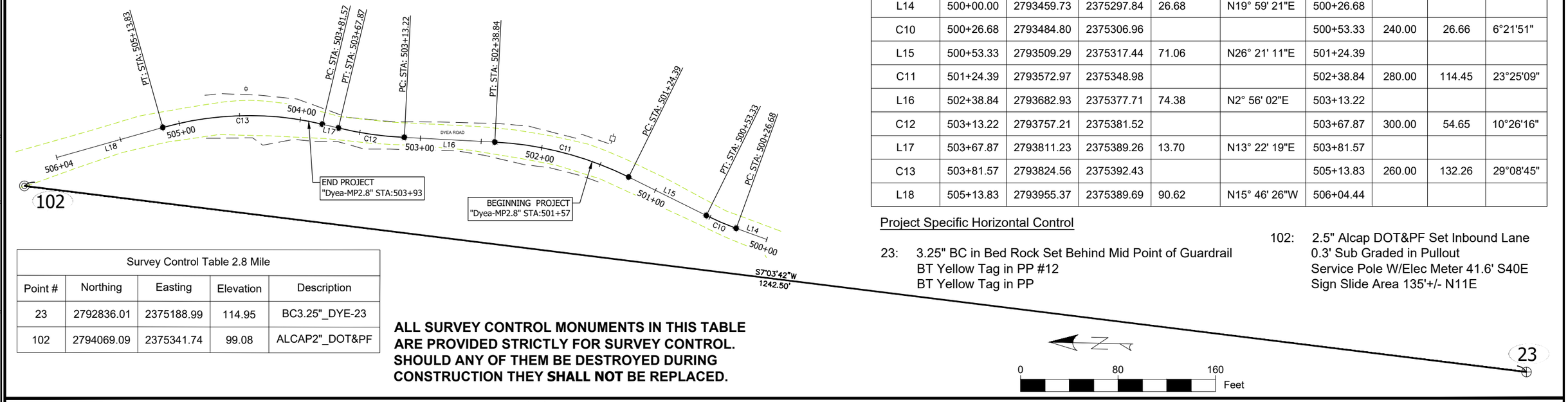
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SDRER00410	2022	SCS3	13

HORIZONTAL AND VERTICAL CONTROL STATEMENT:
COORDINATES LISTED ARE NAD83(2011) ALASKA STATE PLANE COORDINATE SYSTEM ZONE 1 U.S. FEET. ALL BEARINGS AND DISTANCES ARE GRID AND DERIVED FROM TIES TO THE NATIONAL SPATIAL REFERENCE SYSTEM. THE VERTICAL DATUM IS NAVD88 DERIVED FROM ELLIPSOIDAL HEIGHTS AND NATIONAL GEODETIC SURVEY GEOID MODEL 12B.

DYEA 2.8 Mile Design Alignment

SEGMENT	STATION	NORTHING	EASTING	DISTANCE	BEARING	STATION	RADIUS	LENGTH	DELTA
L14	500+00.00	2793459.73	2375297.84	26.68	N19° 59' 21"E	500+26.68			
C10	500+26.68	2793484.80	2375306.96			500+53.33	240.00	26.66	6°21'51"
L15	500+53.33	2793509.29	2375317.44	71.06	N26° 21' 11"E	501+24.39			
C11	501+24.39	2793572.97	2375348.98			502+38.84	280.00	114.45	23°25'09"
L16	502+38.84	2793682.93	2375377.71	74.38	N2° 56' 02"E	503+13.22			
C12	503+13.22	2793757.21	2375381.52			503+67.87	300.00	54.65	10°26'16"
L17	503+67.87	2793811.23	2375389.26	13.70	N13° 22' 19"E	503+81.57			
C13	503+81.57	2793824.56	2375392.43			505+13.83	260.00	132.26	29°08'45"
L18	505+13.83	2793955.37	2375389.69	90.62	N15° 46' 26"W	506+04.44			



Survey Control Table 2.8 Mile

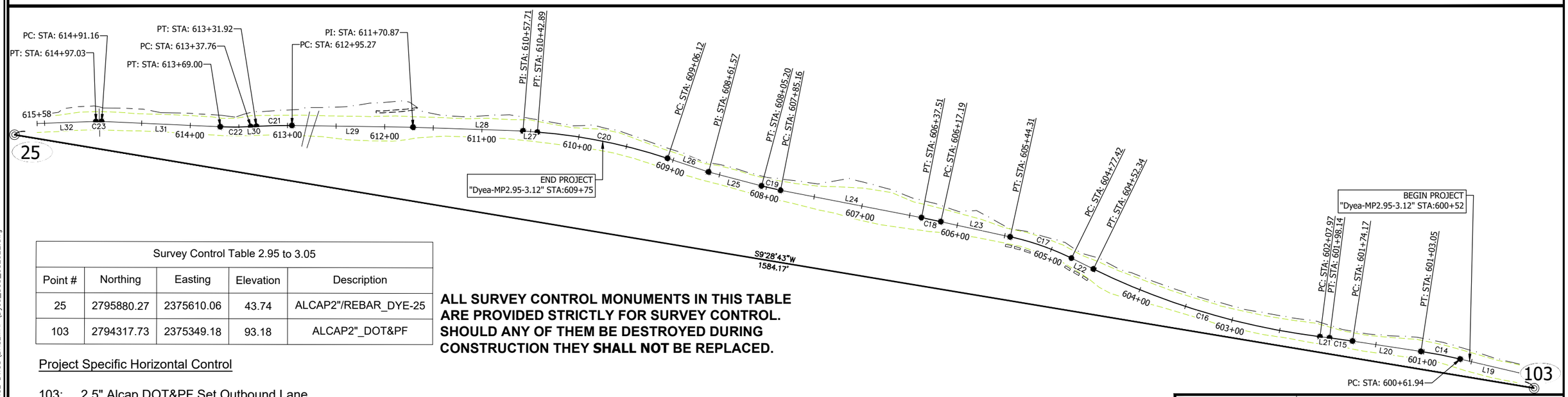
Point #	Northing	Easting	Elevation	Description
23	2792836.01	2375188.99	114.95	BC3.25"_DYE-23
102	2794069.09	2375341.74	99.08	ALCAP2"_DOT&PF

ALL SURVEY CONTROL MONUMENTS IN THIS TABLE ARE PROVIDED STRICTLY FOR SURVEY CONTROL. SHOULD ANY OF THEM BE DESTROYED DURING CONSTRUCTION THEY SHALL NOT BE REPLACED.

Project Specific Horizontal Control

23: 3.25" BC in Bed Rock Set Behind Mid Point of Guardrail
BT Yellow Tag in PP #12
BT Yellow Tag in PP

102: 2.5" Alcap DOT&PF Set Inbound Lane
0.3' Sub Graded in Pullout
Service Pole W/Elec Meter 41.6' S40E
Sign Slide Area 135'+/- N11E



Survey Control Table 2.95 to 3.05

Point #	Northing	Easting	Elevation	Description
25	2795880.27	2375610.06	43.74	ALCAP2"/REBAR_DYE-25
103	2794317.73	2375349.18	93.18	ALCAP2"_DOT&PF

ALL SURVEY CONTROL MONUMENTS IN THIS TABLE ARE PROVIDED STRICTLY FOR SURVEY CONTROL. SHOULD ANY OF THEM BE DESTROYED DURING CONSTRUCTION THEY SHALL NOT BE REPLACED.

Project Specific Horizontal Control

103: 2.5" Alcap DOT&PF Set Outbound Lane
0.4' Sub Graded 0.5' From Top
Power Pole 16AA 26.8' S60E
Red Carsonite 101.7" S16E

25: 2" Alcap DOT&PF Inbound Lane
0.5' Sub Graded 3.4' From Top in Pullout
Bt Yellow Tag in Rock Face 26.9' N85W

STATE OF ALASKA 49th PS&E REVIEW JULY, 2022 14826 HOPKINS LAND SURVEYING

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
6860 Glacier Highway Juneau Ak. 99801
(907) 465-1763

SGY: DYEA ROAD
189468 -DEC 20 SE PR

SURVEY CONTROL

DESIGNED J.PAPOI
CHECKED D.IGNOTOV
DRAFTED J.PAPOI
XREFS
SCALE
LAYOUT A4
DATE TIME 4/1/2022 15:50
DRAWING LOCATION
G:\Sgy\SDRER00318\SV\SOURCE DWGS\BASEMAP\Dyea_SCS_032922.dwg

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SDRER00410	2022	SCS4	13

DYEA 2.95 to 3.05 Mile Design Alignment									
SEGMENT	STATION	NORTHING	EASTING	DISTANCE	BEARING	STATION	RADIUS	LENGTH	DELTA
L19	600+00.00	2794333.45	2375365.08	61.94	N13° 17' 26"E	600+61.94			
C14	600+61.94	2794393.72	2375379.31			601+03.05	500.00	41.12	4°42'42"
L20	601+03.05	2794434.08	2375387.11	71.11	N8° 34' 43"E	601+74.17			
C15	601+74.17	2794504.40	2375397.72			601+98.14	1000.00	23.98	1°22'25"
L21	601+98.14	2794528.15	2375401.01	9.83	N7° 12' 18"E	602+07.97			
C16	602+07.97	2794537.90	2375402.24			604+52.34	741.00	244.37	18°53'43"
L22	604+52.34	2794770.96	2375471.96	25.07	N26° 06' 01"E	604+77.42			
C17	604+77.42	2794793.48	2375482.99			605+44.31	279.00	66.89	13°44'14"
L23	605+44.31	2794856.49	2375504.97	72.88	N12° 21' 47"E	606+17.19			
C18	606+17.19	2794927.68	2375520.57			606+37.51	860.00	20.32	1°21'14"
L24	606+37.51	2794947.58	2375524.69	147.64	N11° 00' 33"E	607+85.16			
C19	607+85.16	2795092.51	2375552.88			608+05.20	300.00	20.04	3°49'40"
L25	608+05.20	2795112.04	2375557.37	56.37	N14° 50' 14"E	608+61.57			
L26	608+61.57	2795166.53	2375571.80	44.54	N18° 18' 11"E	609+06.12			
C20	609+06.12	2795208.82	2375585.79			610+42.89	566.00	136.78	13°50'45"
L27	610+42.89	2795342.58	2375612.71	14.81	N4° 27' 26"E	610+57.71			
L28	610+57.71	2795357.35	2375613.86	113.17	N1° 57' 33"E	611+70.87			
L29	611+70.87	2795470.45	2375617.73	124.40	N0° 49' 54"E	612+95.27			
C21	612+95.27	2795594.84	2375619.54			613+31.92	500.00	36.64	4°11'57"
L30	613+31.92	2795631.47	2375618.73	5.84	N3° 22' 03"W	613+37.76			
C22	613+37.76	2795637.30	2375618.38			613+69.00	300.00	31.25	5°58'02"
L31	613+69.00	2795668.53	2375618.17	122.16	N2° 35' 59"E	614+91.16			
C23	614+91.16	2795790.56	2375623.72			614+97.03	72.00	5.84	4°40'04"
L32	614+97.03	2795796.43	2375623.74	60.63	N2° 04' 05"W	615+57.66			

MONUMENT NOTES:

1. IF ANY PAIR OF CONTROL POINTS DISAGREES FROM PUBLISHED VALUE BY MORE THAN 1:10,000 HORIZONTALLY OR VERTICALLY THEN A THIRD NETWORK POINT MUST BE TIED TO ASCERTAIN WHICH POINT IS IN ERROR OR HAS BEEN DISTURBED.

2. WHETHER LISTED OR NOT, ALL PROPERTY MONUMENTS, PROPERTY MARKERS, CORNERS OR ACCESSORIES WHICH WILL BE DISTURBED OR BURIED SHALL BE REFERENCED PRIOR TO BEING DISTURBED, AND RE-ESTABLISHED IN THEIR ORIGINAL HORIZONTAL POSITION AND A RECORD OF MONUMENT FORM IN ACCORDANCE WITH (A.S.34.65.040) AND (A.S.19.10.260) SHALL BE SUBMITTED TO THE CONSTRUCTION ENGINEER FOR REVIEW PRIOR TO RECORDING. COORDINATE VALUES LISTED ARE FOR INFORMATIONAL PURPOSES AND SHOULD BE USED TO RESET MONUMENTS ONLY AS A LAST RESORT.

3.WHEN POSSIBLE ALL ORIGINAL PRIMARY MONUMENTS SHALL BE SAVED AND RESET IN THEIR ORIGINAL HORIZONTAL POSITION AND A RECORD OF MONUMENT FORM IN ACCORDANCE WITH (A.S.34.65.040) AND (A.S.19.10.260) SHALL BE SUBMITTED TO THE CONSTRUCTION ENGINEER FOR REVIEW PRIOR TO RECORDING.

4. RIGHT OF WAY LOCATION IS SHOWN FOR GRAPHICAL ORIENTATION PURPOSES ONLY. REFER TO ALASKA DOT&PF RIGHT OF WAY MAPS FOR RIGHT OF WAY INFORMATION.

5. HORIZONTAL AND VERTICAL CONTROL MUST BE FIELD VERIFIED BY THE CONTRACTOR. DISCREPANCIES WILL BE REPORTED TO DOT&PF CONSTRUCTION PROJECT ENGINEER.

STATE OF ALASKA 49th PS&E REVIEW JULY 2022 14828 PROFESSIONAL LAND SURVEYOR

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
6860 Glacier Highway Juneau Ak. 99801
(907) 465-1763

SGY: DYEA ROAD
189468 -DEC 20 SE PR

SURVEY CONTROL

DESIGNED J.PAPOI
CHECKED D.IGNOTOV
DRAFTED J.PAPOI

XREFS

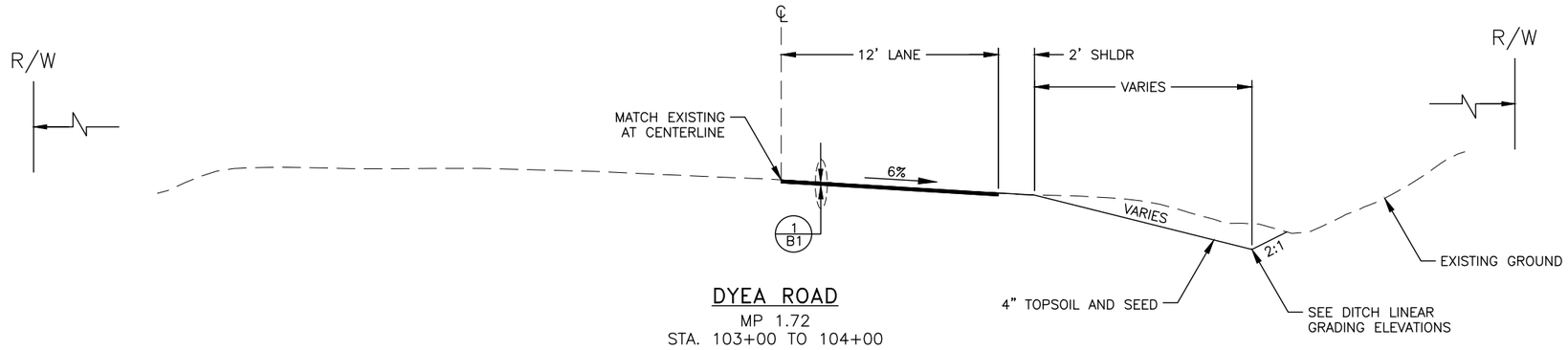
SCALE

LAYOUT A5

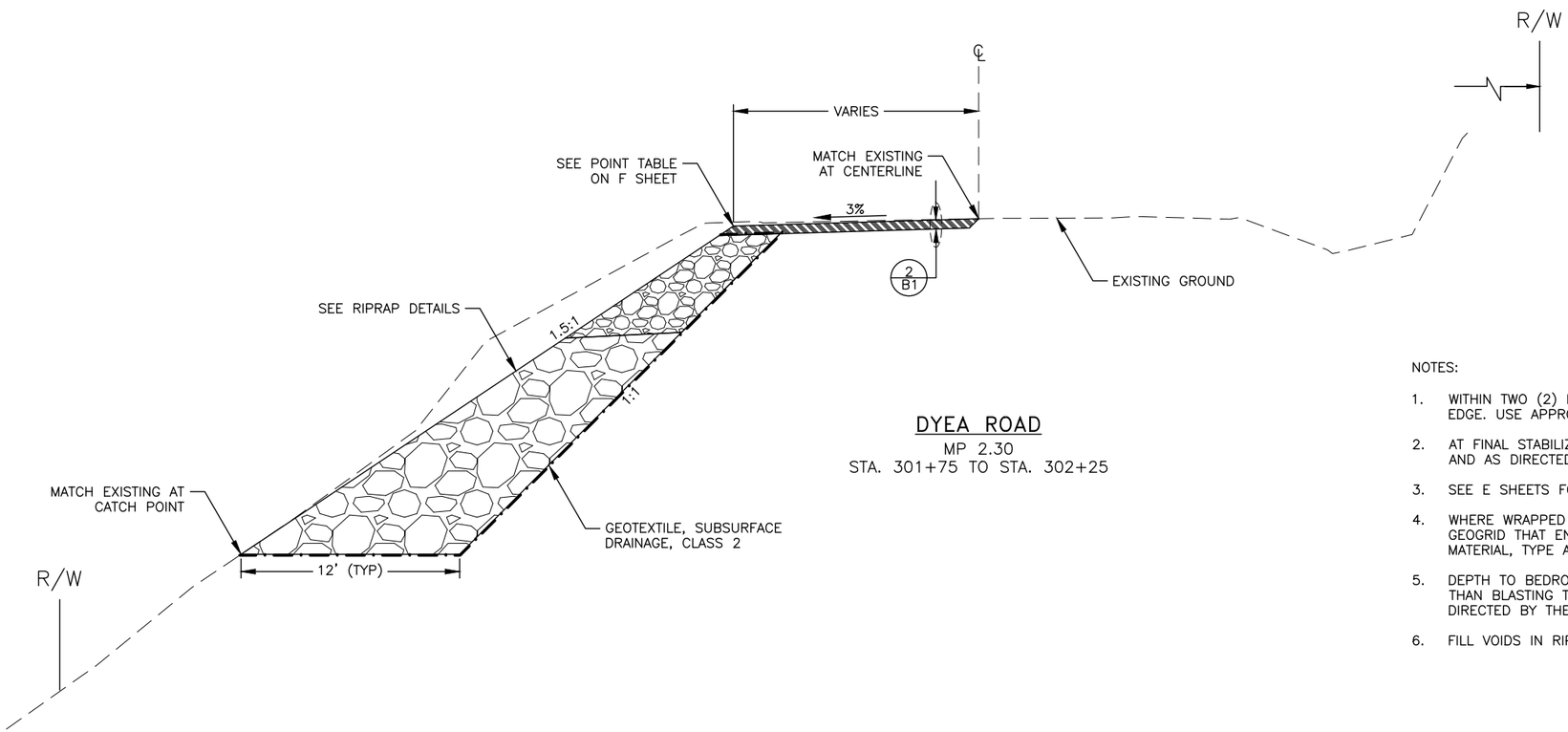
DATE TIME 4/1/2022 15:50

DRAWING LOCATION
Q:\Sgy\SDRER00318\SV\SOURCE DWGS\BASEMAP\Dyea_SCS_032922.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	B1	36



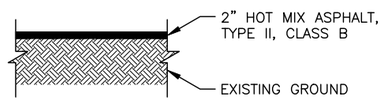
DYEA ROAD
MP 1.72
STA. 103+00 TO 104+00



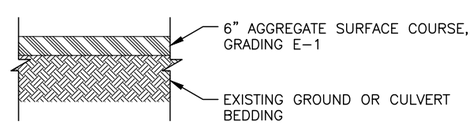
DYEA ROAD
MP 2.30
STA. 301+75 TO STA. 302+25

NOTES:

1. WITHIN TWO (2) DAYS AFTER PAVING, PLACE AGGREGATE BASE COURSE, GRADING D-1 AGAINST PAVEMENT EDGE. USE APPROVED TRAFFIC CONTROL DEVICES IN THE INTERIM.
2. AT FINAL STABILIZATION, PLACE TURF REINFORCEMENT MAT ON ALL DISTURBED SLOPES STEEPER THAN 2:1 AND AS DIRECTED BY THE ENGINEER. TOPSOIL AND SEED ALL DISTURBED SOIL SLOPES.
3. SEE E SHEETS FOR DIGOUT TRANSITION DETAIL.
4. WHERE WRAPPED FACE GEOGRID IS INDICATED IN TYPICAL SECTIONS, PLACE ONE CONTINUOUS SHEET OF GEOGRID THAT ENCOMPASSES THE BOTTOM, FORESLOPE, AND 5 FEET OF THE TOP LAYER OF SELECTED MATERIAL, TYPE A AS SHOWN IN THE STRUCTURAL SECTION.
5. DEPTH TO BEDROCK IS UNKNOWN. IF BEDROCK IS ENCOUNTERED, REMOVE LOOSE ROCK BY MEANS OTHER THAN BLASTING TO THE SATISFACTION OF THE ENGINEER AND FIELD FIT THE TYPICAL SECTIONS AS DIRECTED BY THE ENGINEER.
6. FILL VOIDS IN RIPRAP WITH SELECTED MATERIAL, TYPE C.



1/B1 STRUCTURAL SECTION NO. 1
NTS



2/B1 STRUCTURAL SECTION NO. 2
NTS

PLANS DEVELOPED BY:
HDR ENGINEERING, INC.
582 E 36TH AVE STE 500
ANCHORAGE, AK 99503-4169
(907) 644-2000
CERT. OF AUTH. AECC569

STATE OF ALASKA 49TH PS&E REVIEW JULY 2022 12937 REGISTERED PROFESSIONAL ENGINEER

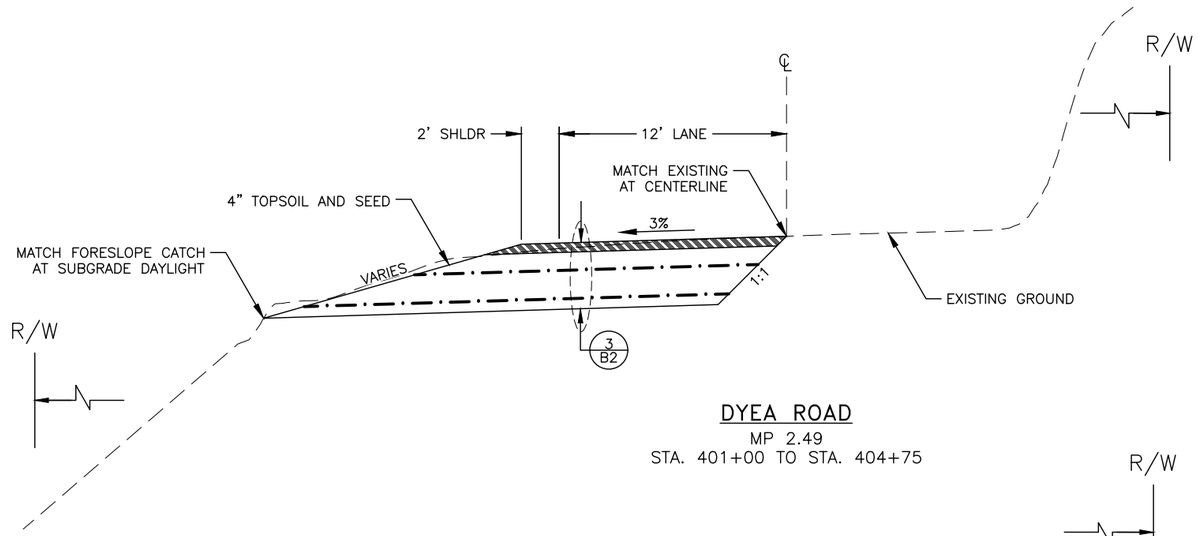
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SGY DYEA ROAD
#00049 – DEC 20 SE PR

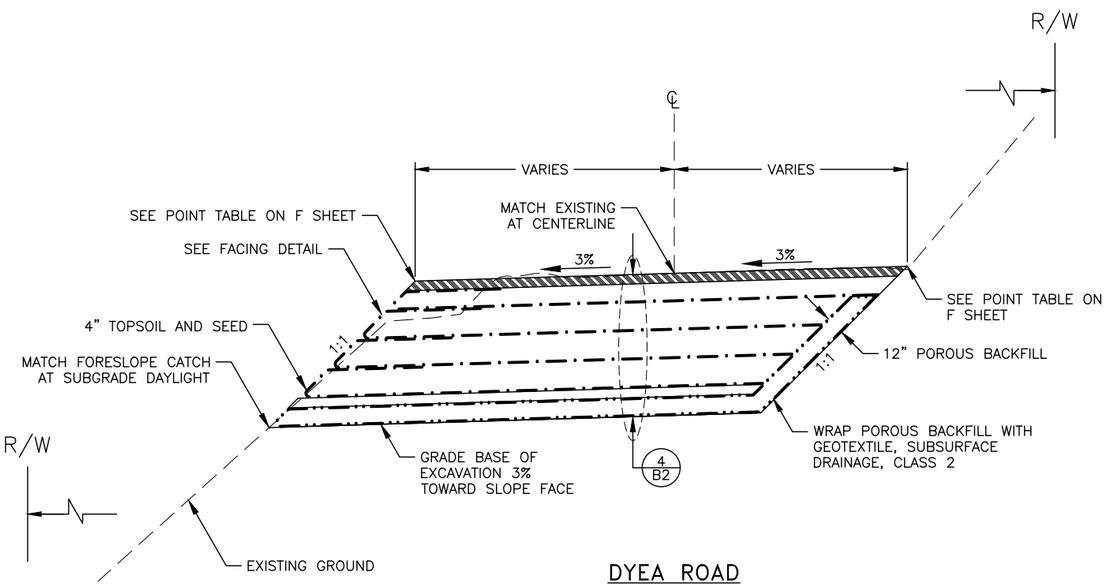
TYPICAL SECTIONS

DRAFTED | CHECKED | DESIGNED | LAYOUT B1 | DATE 7/26/2022 16:39 | FILE c:\pwworking\west01\d2438244\B1_TYPICAL SECTION.dwg

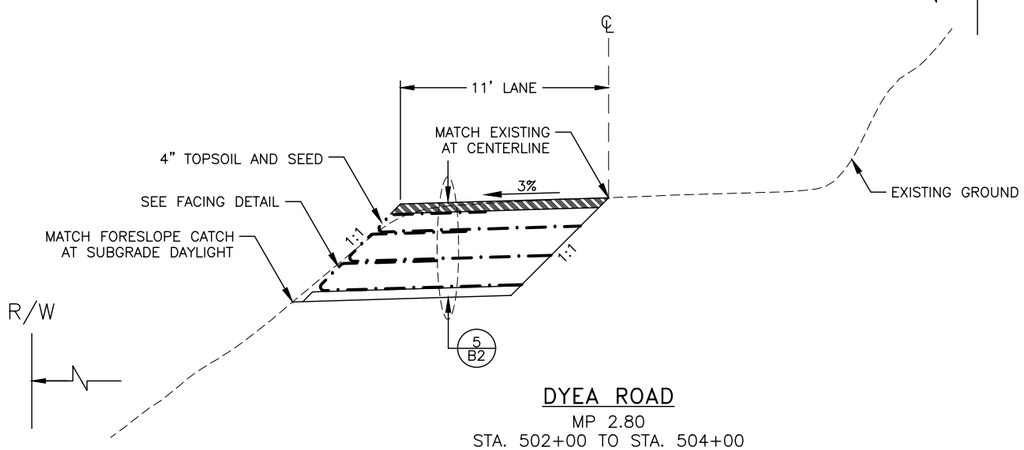
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	B2	36



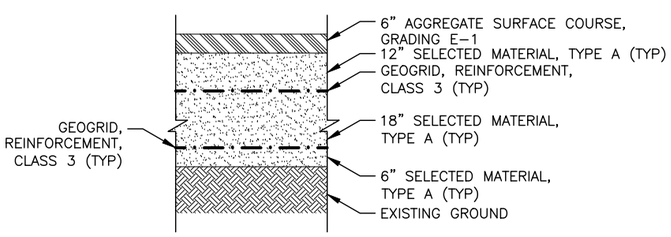
DYEA ROAD
MP 2.49
STA. 401+00 TO STA. 404+75



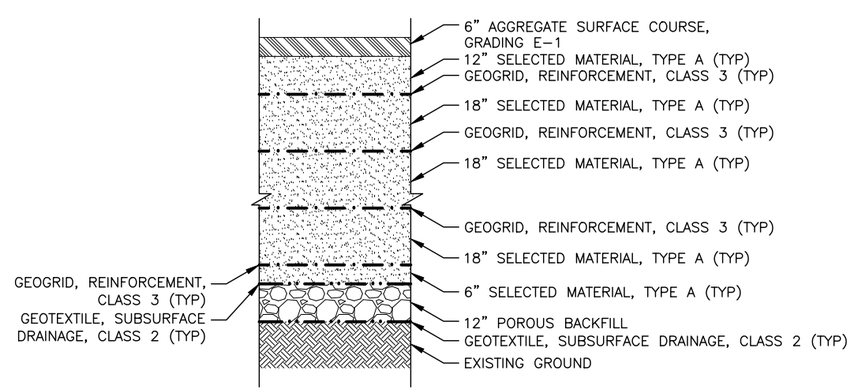
DYEA ROAD
MP 2.95–3.05
STA. 603+50 TO STA. 606+50



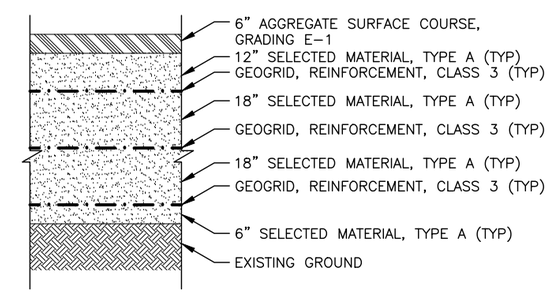
DYEA ROAD
MP 2.80
STA. 502+00 TO STA. 504+00



3 B2 STRUCTURAL SECTION NO. 3
NTS



4 B2 STRUCTURAL SECTION NO. 4
NTS



5 B2 STRUCTURAL SECTION NO. 5
NTS

PLANS DEVELOPED BY:
HDR ENGINEERING, INC.
582 E 36TH AVE STE 500
ANCHORAGE, AK 99503-4169
(907) 644-2000
CERT. OF AUTH. AECC569

STATE OF ALASKA 49TH ... PS&E REVIEW JULY 2022 ... 12937 REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SGY DYEA ROAD
#00049 – DEC 20 SE PR

TYPICAL SECTIONS

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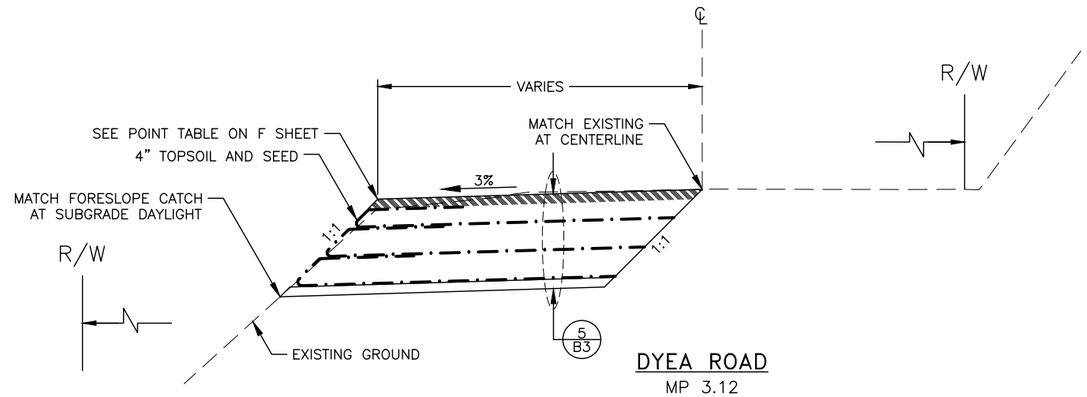
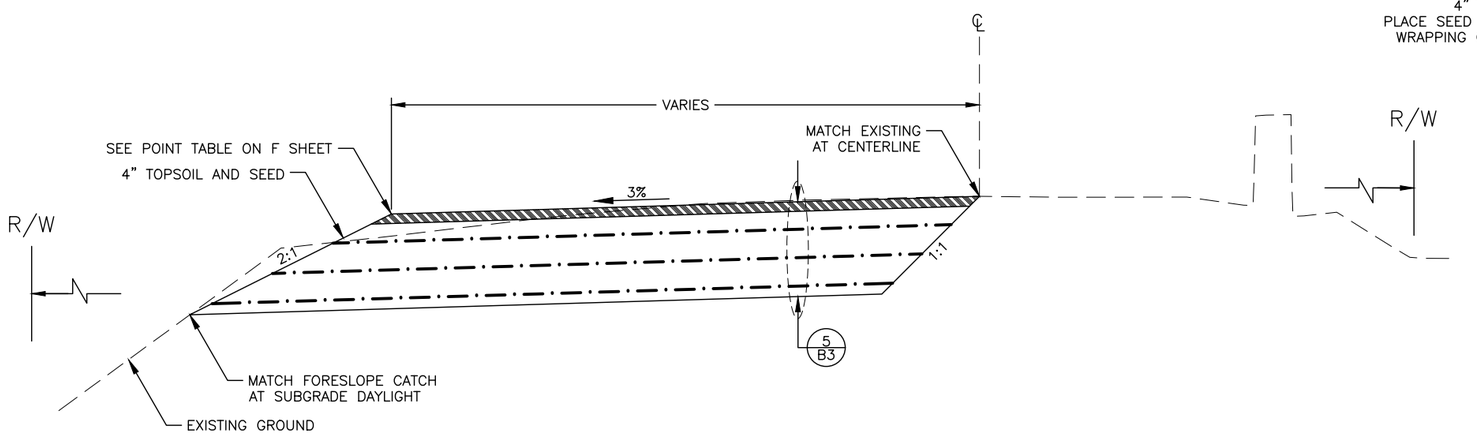
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	B3	36



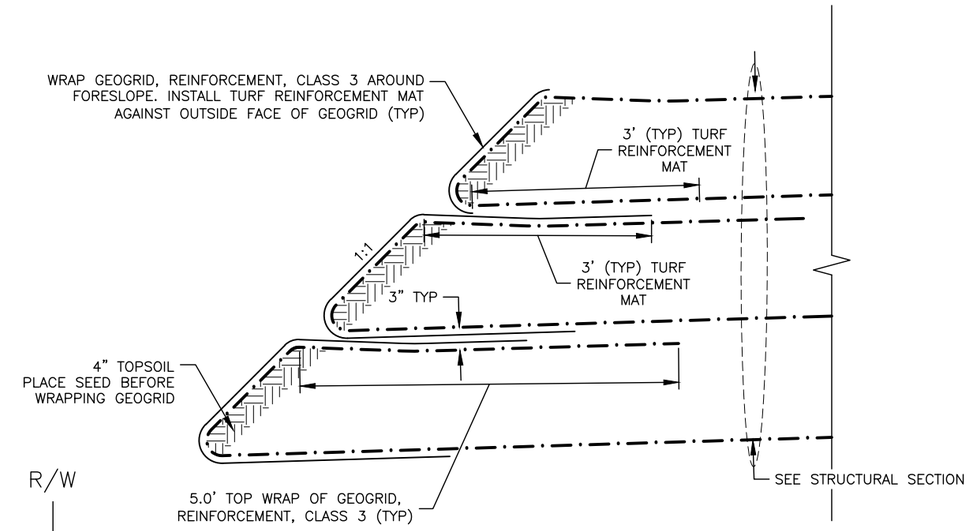
DYEA ROAD

MP 3.12
STA. 611+00 TO STA. 611+70

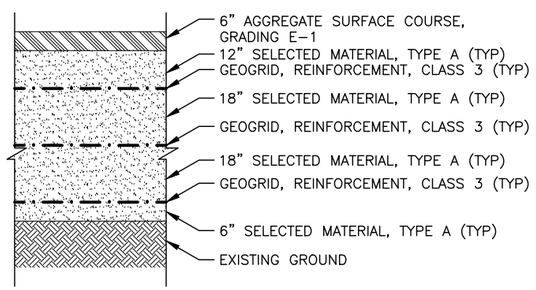


DYEA ROAD

MP 3.12
STA. 611+70 TO STA. 612+50



FACING DETAIL



5 / B3 STRUCTURAL SECTION NO. 5
NTS

PLANS DEVELOPED BY:
HDR ENGINEERING, INC.
582 E 36TH AVE STE 500
ANCHORAGE, AK 99503-4169
(907) 644-2000
CERT. OF AUTH. AECC569

STATE OF ALASKA 49TH PS&E REVIEW JULY 2022 12937 REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SGY DYEA ROAD
#00049 – DEC 20 SE PR

TYPICAL SECTIONS

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	C1	36

ESTIMATE OF QUANTITIES

ITEM NO.	PAY ITEM	PAY UNIT	DYEA RD MP 1.72 DI#461214	DYEA RD MP 2.00 DI#461260	DYEA RD MP 2.30 DI#461261	DYEA RD MP 2.49 DI#784616	DYEA RD MP 2.80 DI#461216	DYEA RD MP 2.95–3.05 DI#461217	DYEA RD MP 3.12 ROADWAY REPAIRS DI#784619	DYEA RD MP 3.12 CULVERT REPLACEMENT DI#461648	TOTAL QUANTITY
201.0003.0000	CLEARING AND GRUBBING	ACRE	0.03	--	0.02	0.11	0.03	0.04	0.03	--	0.26
201.2001.0000	INVASIVE PLANT SPECIES CONTROL, REMOVAL, AND DISPOSAL	SQUARE YARD	157	--	116	560	161	187	168	--	1,345
201.2002.0000	INVASIVE PLANT SURVEY	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
202.0001.0000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LUMP SUM	--	--	ALL REQUIRED	--	--	ALL REQUIRED	--	--	ALL REQUIRED
202.0002.0000	REMOVAL OF PAVEMENT	SQUARE YARD	200	--	--	--	--	--	--	--	200
202.0004.0000	REMOVAL OF CULVERT PIPE	LINEAR FOOT	52	122	40	--	--	--	--	82	296
203.0003.0000	UNCLASSIFIED EXCAVATION	CUBIC YARD	35	--	69	1,100	364	1,650	481	--	3,699
203.0006.000A	BORROW, TYPE A	TON	174	630	840	2,100	520	3,500	2,350	150	10,264
203.2038.0000	DITCH LINEAR GRADING	STATION	0.7	--	--	--	--	--	--	--	0.7
301.0001.00D1	AGGREGATE BASE COURSE, GRADING D–1	TON	44	--	--	--	--	--	--	--	44
301.0003.00E1	AGGREGATE SURFACE COURSE, GRADING E–1	TON	--	92	189	268	105	500	580	--	1,734
401.0001.002B	HMA, TYPE II; CLASS B	TON	23	--	--	--	--	--	--	--	23
401.0004.5828	ASPHALT BINDER, GRADE PG 58–28	TON	2	--	--	--	--	--	--	--	2
501.2007.0002	HEADWALL, TYPE II	EACH	--	1	1	--	--	--	--	1	3
603.0001.0024	CSP 24 INCH	LINEAR FOOT	52	66	--	--	--	--	--	--	118
603.0001.0036	CSP 36 INCH	LINEAR FOOT	--	60	50	--	--	--	--	80	190
605.0005.0000	POROUS BACKFILL MATERIAL	CUBIC YARD	--	--	--	--	--	200	--	--	200
611.0001.0002	RIPRAP, CLASS II	CUBIC YARD	--	35	107	--	--	--	--	41	109
611.0001.0004	RIPRAP, CLASS IV	CUBIC YARD	--	--	59	--	--	--	--	--	59
615.0001.0000	STANDARD SIGN	SQUARE FOOT	--	--	--	--	--	2.5	--	--	2.5
616.0004.0000	THAW WIRE INSTALLATION	EACH	1	2	1	--	--	--	--	2	6

BASIS OF ESTIMATE

ITEM NO.	PAY ITEM	ESTIMATING FACTOR
203.0006.000A	BORROW, TYPE A	144 LB/FT^3
301.0001.00D1	AGGREGATE BASE COURSE, GRADING D–1	144 LB/FT^3
301.0003.00E1	AGGREGATE SURFACE COURSE, GRADING E–1	144 LB/FT^3
401.0001.002B	HMA, TYPE II; CLASS B	150 LB/FT^3
401.0004.0000	ASPHALT BINDER, GRADE PG 58–28	5.3% OF 401.0001.002B
618.0002.0000	SEEDING	SEE SPECIFICATIONS

PLANS DEVELOPED BY:
HDR ENGINEERING, INC.
582 E 36TH AVE STE 500
ANCHORAGE, AK 99503-4169
(907) 644-2000
CERT. OF AUTH. AECC569

STATE OF ALASKA 49TH PS&E REVIEW JULY 2022 C 12937 REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SGY DYEA ROAD
#00049 – DEC 20 SE PR

ESTIMATE OF QUANTITIES

DRAFTED | CHECKED | DESIGNED | LAYOUT C1 | DATE 7/28/2022 10:43 | FILE c:\pwworking\west01\d2438244\C1_ESTIMATE OF QUANTITIES.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	C2	36

ESTIMATE OF QUANTITIES

ITEM NO.	PAY ITEM	PAY UNIT	DYEA RD MP 1.72 DI#461214	DYEA RD MP 2.00 DI#461260	DYEA RD MP 2.30 DI#461261	DYEA RD MP 2.49 DI#784616	DYEA RD MP 2.80 DI#461216	DYEA RD MP 2.95–3.05 DI#461217	DYEA RD MP 3.12 ROADWAY REPAIRS DI#784619	DYEA RD MP 3.12 CULVERT REPLACEMENT DI#461648	TOTAL QUANTITY
618.0002.0000	SEEDING	POUND	3	--	--	9	2	3	2	--	19
619.2002.0000	TURF REINFORCEMENT MAT	SQUARE YARD	--	--	--	--	444	1,150	86	--	1,680
620.0001.0000	TOPSOIL	SQUARE YARD	194	--	--	670	153	227	121	--	1,365
631.0001.0002	GEOTEXTILE, DRAINAGE, CLASS 2	SQUARE YARD	--	--	--	--	--	1,200	--	--	1,200
631.0002.0001	GEOTEXTILE, EROSION CONTROL, CLASS 1	SQUARE YARD	--	20	200	--	--	--	--	41	261
634.0002.0000	GEOGRID, REINFORCEMENT, CLASS 3	SQUARE YARD	--	--	--	1,650	910	3,100	900	--	6,560
639.0001.0000	DRIVEWAY	EACH	1	--	--	--	--	--	--	--	1
640.0001.0000	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
642.0001.0000	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
642.0003.0000	THREE PERSON SURVEY PARTY	HOUR	8	8	8	8	8	8	4	4	56
643.0002.0000	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
643.0003.0000	PERMANENT CONSTRUCTION SIGNS	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
643.0023.0000	TRAFFIC PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
643.0025.0000	TRAFFIC CONTROL	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
643.0032.0000	FLAGGING	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
644.0001.0000	FIELD OFFICE	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
644.0006.0000	VEHICLE	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
644.2004.0000	ENGINEERING COMMUNICATIONS	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
658.0001.0000	EROSION, SEDIMENT, AND POLLUTION CONTROL WITHOUT CGP COVERAGE	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
658.0002.0000	ESCP CHANGES BY DIRECTIVE	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
670.0001.0000	PAINTED TRAFFIC MARKINGS	LUMP SUM	ALL REQUIRED	--	--	--	--	--	--	--	ALL REQUIRED

PLANS DEVELOPED BY:
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582 E 36TH AVE STE 500
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STATE OF ALASKA 49TH PS&E REVIEW JULY 2022 C. 12937 REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SGY DYEA ROAD
#00049 – DEC 20 SE PR

ESTIMATE OF QUANTITIES

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	D1	36

[201.0003.0000] CLEARING AND GRUBBING

MP	SHEET	STATION FROM	STATION TO	AREA (SY)	AREA (ACRES)	REMARKS
1.72	F1	103+00	104+00	157	0.03	
2.3	F4	301+75	302+25	116	0.02	
2.49	F5	401+00	405+00	556	0.11	
2.80	F6	502+00	504+00	161	0.03	
2.95–3.05	F7	603+50	606+50	187	0.04	
3.12	F8	610+50	613+00	168	0.03	ROADWAY REPAIR
			PAY ITEM QUANTITY:		0.26	

[202.0001.0000] REMOVAL OF STRUCTURES AND OBSTRUCTIONS

MP	SHEET	STATION FROM	STATION TO	OFFSET	QUANTITY	REMARKS
2.30	F4	301+77	302+26	LT	1	REMOVE 5 CONCRETE BARRIERS
2.95–3.05	F7	604+53	605+47	LT	1	REMOVE 9 CONCRETE BARRIERS
			PAY ITEM QUANTITY:		1	

[202.0002.0000] REMOVAL OF PAVEMENT

MP	SHEET	STATION FROM	STATION TO	PLAN AREA (YD^2)	REMARKS
1.72	F1	103+00	104+00	200	
			PAY ITEM QUANTITY:	200	

[202.0004.0000] REMOVAL OF CULVERT PIPE

MP	SHEET	STATION	OFFSET	LENGTH (FT)	REMARKS
1.72	F1	103+67	RT	52	
2.00	F3	202+58	RT	66	
		202+96	CL	56	
2.30	F4	301+98	CL	40	
3.12	F8	612+74	CL	41	CULVERT REPAIR
		612+80	CL	41	
			PAY ITEM QUANTITY:	296	

[616.0004.0000] THAW WIRE INSTALLATION

MP	SHEET	STATION	OFFSET	EACH	REMARKS
1.72	F1	103+85	RT	1	
2.00	F3	202+87	RT/CL	2	
2.30	F4	301+97	CL	1	
3.12	F8	612+75	CL	2	CULVERT REPAIR
			PAY ITEM QUANTITY:	6	

[611.0001.0002] RIPRAP, CLASS II

MP	SHEET	STATION	OFFSET	LENGTH (FT)	X-SECTION AREA (FT^2)	VOLUME (FT^3)	VOLUME (CY)	REMARKS
2.00	F3	202+98	LT	16	59	950	35	
2.30	F4	302+00	LT	26	115	900	33	
3.12	F8	612+82	LT	12	74	1,100	41	CULVERT REPAIR
						PAY ITEM QUANTITY:	109	

[611.0001.0004] RIPRAP, CLASS IV

MP	SHEET	STATION	OFFSET	LENGTH (FT)	X-SECTION AREA (FT^2)	VOLUME (FT^3)	VOLUME (CY)	REMARKS
2.30	F4	302+00	LT	22	106	1,600	59	
						PAY ITEM QUANTITY:	59	

[618.0002.0000] SEEDING

MP	SHEET	STATION FROM	STATION TO	OFFSET	WEIGHT (LB)	REMARKS
1.72	F1	103+00	104+00	RT	3	
2.49	F5	401+00	404+75	LT	9	
2.80	F6	502+00	504+00	LT	2	
2.95–3.05	F7	603+50	606+50	LT	3	
3.12	F8	610+50	613+00	LT	2	ROADWAY REPAIR
				PAY ITEM QUANTITY:	19	

[620.0001.0000] TOPSOIL

MP	SHEET	STATION FROM	STATION TO	RAW 2D PLAN AREA (FT^2)	WEIGHTED 3D AREA (FT^2)	AREA (YD^2)	REMARKS
1.72	F1	103+00	104+00	1,450	1,750	194	
2.49	F5	401+00	404+75	5,000	6,000	670	
2.80	F6	502+00	504+00	1,150	1,380	153	
2.95–3.05	F7	603+50	606+50	1,700	2,040	227	
3.12	F8	610+50	613+00	910	1,100	121	ROADWAY REPAIR
					ROUNDED PAY ITEM QUANTITY:	1,400	

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STATE OF ALASKA
PS&E REVIEW
JULY 2022
12937
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SGY DYEA ROAD
#00049 – DEC 20 SE PR

SUMMARY TABLES

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	D2	36

[619.2002.0000] TURF REINFORCEMENT MAT

MP	SHEET	STATION FROM	STATION TO	LENGTH (FT)	WRAPPED WIDTH (FT)	AREA (YD^2)	REMARKS
2.8	F6	502+12	503+89	183	8.4	171	TOP WRAP
		502+25	503+79	159	8.4	148	2ND WRAP
		502+38	503+68	134	8.4	125	BOTTOM WRAP
2.95–3.05	F7	603+75	606+39	267	8.4	249	TOP WRAP
		603+96	606+29	235	8.4	219	2ND WRAP
		604+14	606+18	206	8.4	192	3RD WRAP
		604+30	606+07	179	8.4	167	4TH WRAP
		604+36	606+04	170	8.4	158	5TH WRAP
		604+46	605+96	152	8.4	142	BOTTOM WRAP
3.12	F8	611+21	611+70	50	8.4	46	ROADWAY REPAIR, TOP WRAP
		611+40	611+70	31	8.4	29	ROADWAY REPAIR, 2ND WRAP
		611+58	611+70	12	8.4	11	ROADWAY REPAIR, BOTTOM WRAP
					ROUNDED PAY ITEM QUANTITY:	1,700	

[634.0002.0000] GEOGRID, REINFORCEMENT, CLASS 3

MP	SHEET	STATION FROM	STATION TO	LENGTH (FT)	BOTTOM WIDTH (FT)	TOTAL WRAPPED WIDTH (FT)	AREA (YD^2)	REMARKS
2.49	F5	401+19	404+90	371	18	18	753	TOP LAYER
		401+38	404+76	341	23	23	855	BOTTOM LAYER
2.8	F6	502+12	503+89	183	11	17	340	TOP LAYER
		502+25	503+79	159	11	17	307	2ND LAYER
		502+38	503+68	134	11	17	259	BOTTOM LAYER
2.95–3.05	F7	603+75	606+39	267	24	32	941	TOP LAYER
		603+96	606+29	235	24	31	810	2ND LAYER
		604+14	606+18	206	24	31	710	3RD LAYER
		604+30	606+07	179	24	31	616	BOTTOM LAYER
3.12	F8	611+21	611+70	50	17	23	127	ROADWAY REPAIR, TOP WRAP
		611+40	611+70	31	17	24	80	ROADWAY REPAIR, 2ND WRAP
		611+58	611+70	12	17	24	31	ROADWAY REPAIR, BOTTOM WRAP
		611+70	612+39	70	33	33	253	ROADWAY REPAIR, TOP WRAP
		611+70	612+28	58	34	34	222	ROADWAY REPAIR, 2ND WRAP
		611+70	612+16	47	36	36	186	ROADWAY REPAIR, BOTTOM WRAP
						ROUNDED PAY ITEM QUANTITY:	6,600	

[631.0001.0002] GEOTEXTILE, DRAINAGE, CLASS 2

MP	SHEET	STATION FROM	STATION TO	LENGTH (FT)	WIDTH (FT)	AREA (FT^2)	AREA (YD^2)	REMARKS
2.95–3.05	F7	604+46	605+96	152	69	10,500	1,200	
						ROUNDED PAY ITEM QUANTITY:	1,200	

[631.0002.0001] GEOTEXTILE, EROSION CONTROL, CLASS 1

MP	SHEET	STATION FROM	STATION TO	LENGTH (FT)	WRAPPED WIDTH (FT)	AREA (FT^2)	AREA (YD^2)	REMARKS
2.0	F3	202+94	203+03	6	30	178	20	
2.3	F4	301+75	302+25	44	41	1,798	200	
3.12	F8	612+76	612+87	12	32	371	41	CULVERT REPAIR
						PAY ITEM QUANTITY:	261	

[639.0001.0000] DRIVEWAY

MP	SHEET	STATION	OFFSET	LENGTH (FT)	WIDTH (FT)	SKEW (DEG)	REMARKS
1.72	F2	103+67	RT	41	14	90	
					PAY ITEM QUANTITY (EACH):	1	

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STATE OF ALASKA 49TH PS&E REVIEW JULY 2022 12937 REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SGY DYEA ROAD
#00049 – DEC 20 SE PR

SUMMARY TABLES

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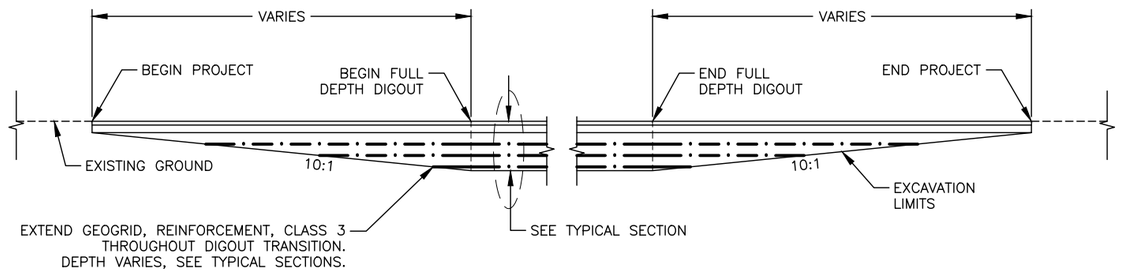

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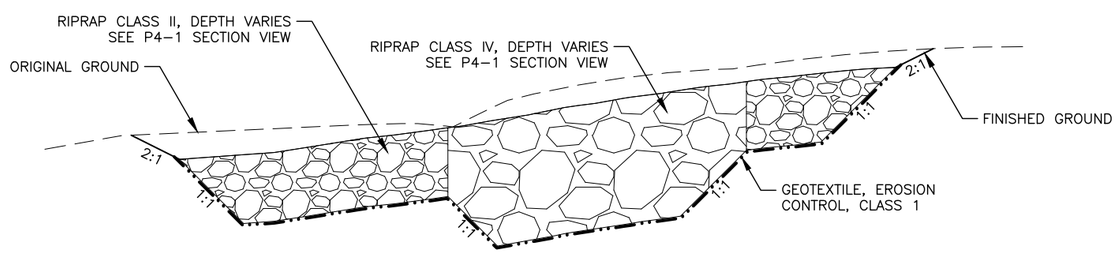

SECTION B-B

P4-1 RIPRAP DETAIL

PLANS DEVELOPED BY:
HDR ENGINEERING, INC.
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STATE OF ALASKA 49TH PS&E REVIEW JULY 2022 12937 REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SGY DYEA ROAD
#00049 – DEC 20 SE PR

DETAILS

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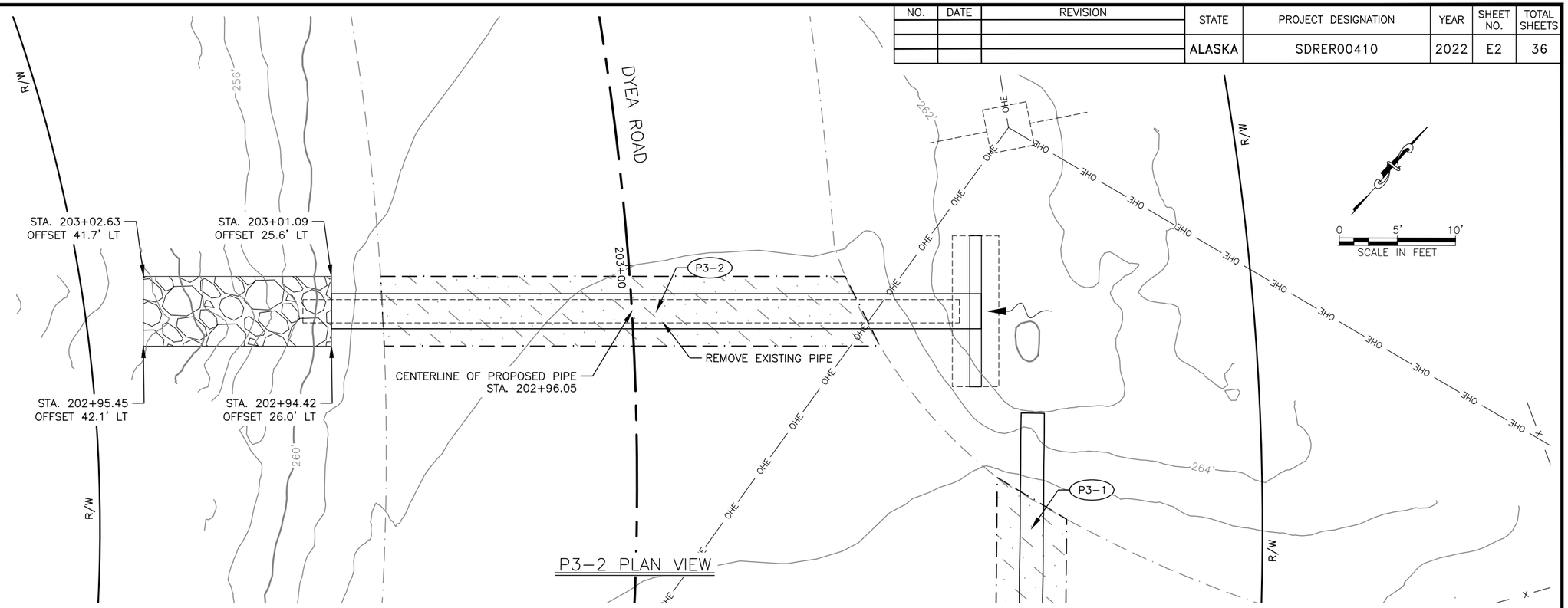
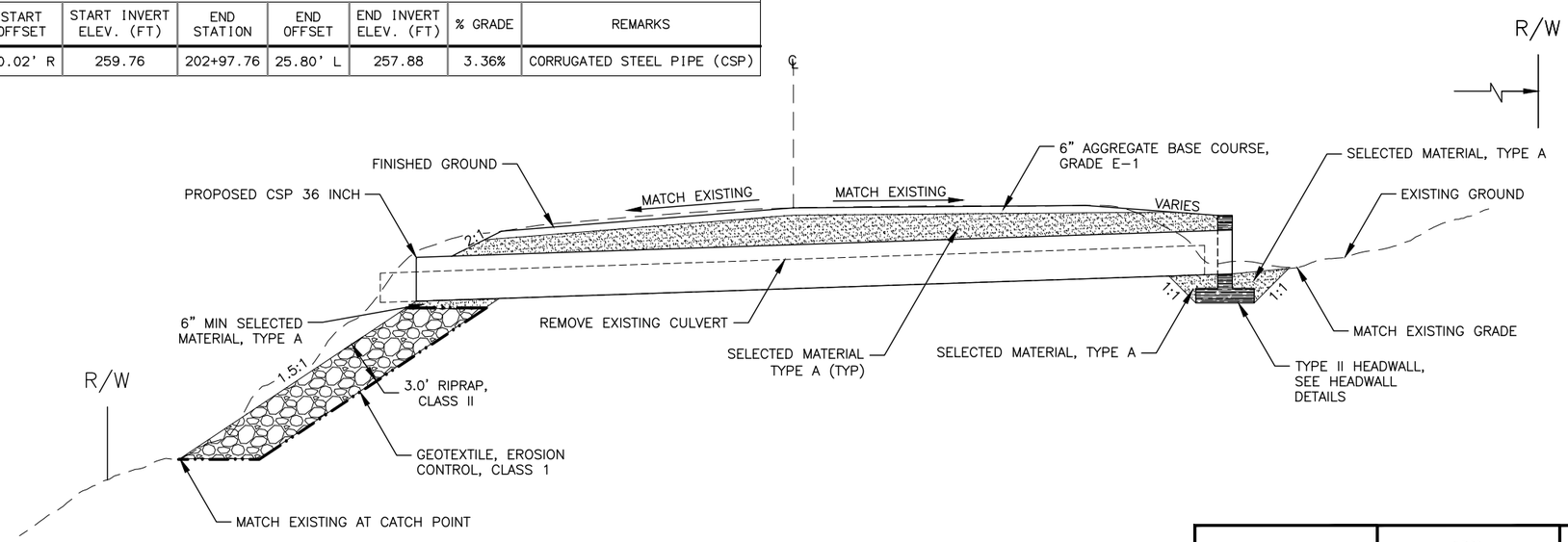


P3-2 PLAN VIEW

PIPE SUMMARY										
PIPE	SIZE (IN)	LENGTH (FT)	START STATION	START OFFSET	START INVERT ELEV. (FT)	END STATION	END OFFSET	END INVERT ELEV. (FT)	% GRADE	REMARKS
P3-2	36	55.94	202+94.46	30.02' R	259.76	202+97.76	25.80' L	257.88	3.36%	CORRUGATED STEEL PIPE (CSP)



P3-2 SECTION VIEW

PLANS DEVELOPED BY:
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STATE OF ALASKA 49TH PS&E REVIEW JULY 2022 12937 REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SGY DYEA ROAD
#00049 – DEC 20 SE PR

DYEA ROAD MP 2.0
P3-2 DETAILS

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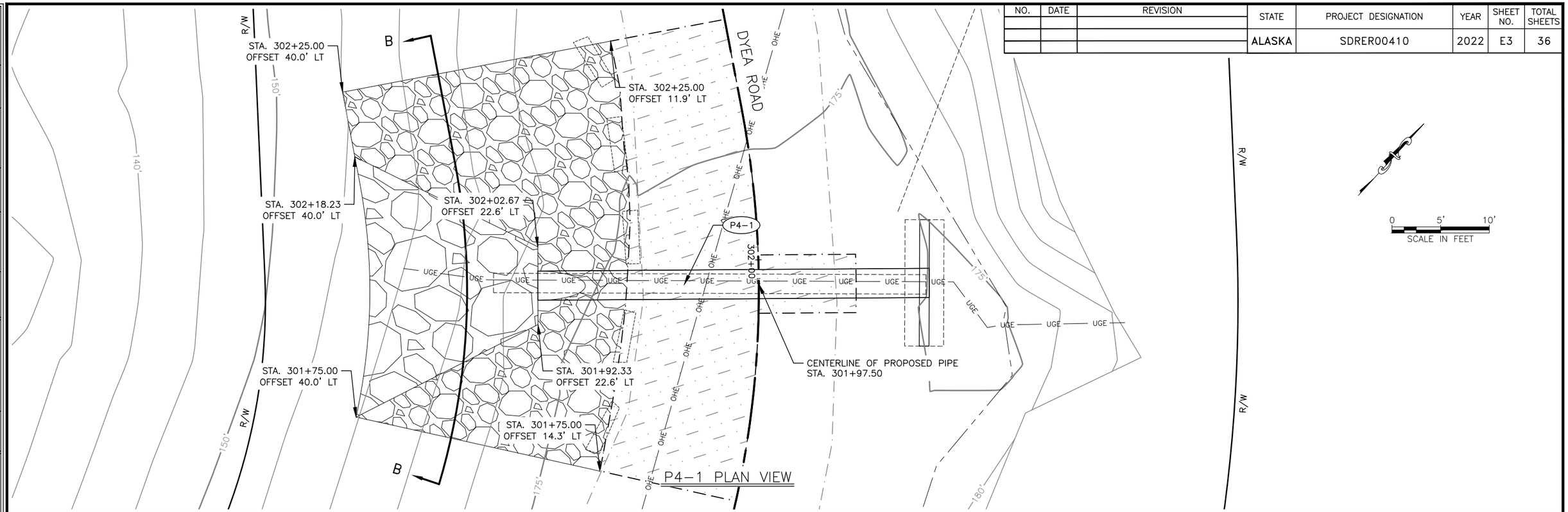
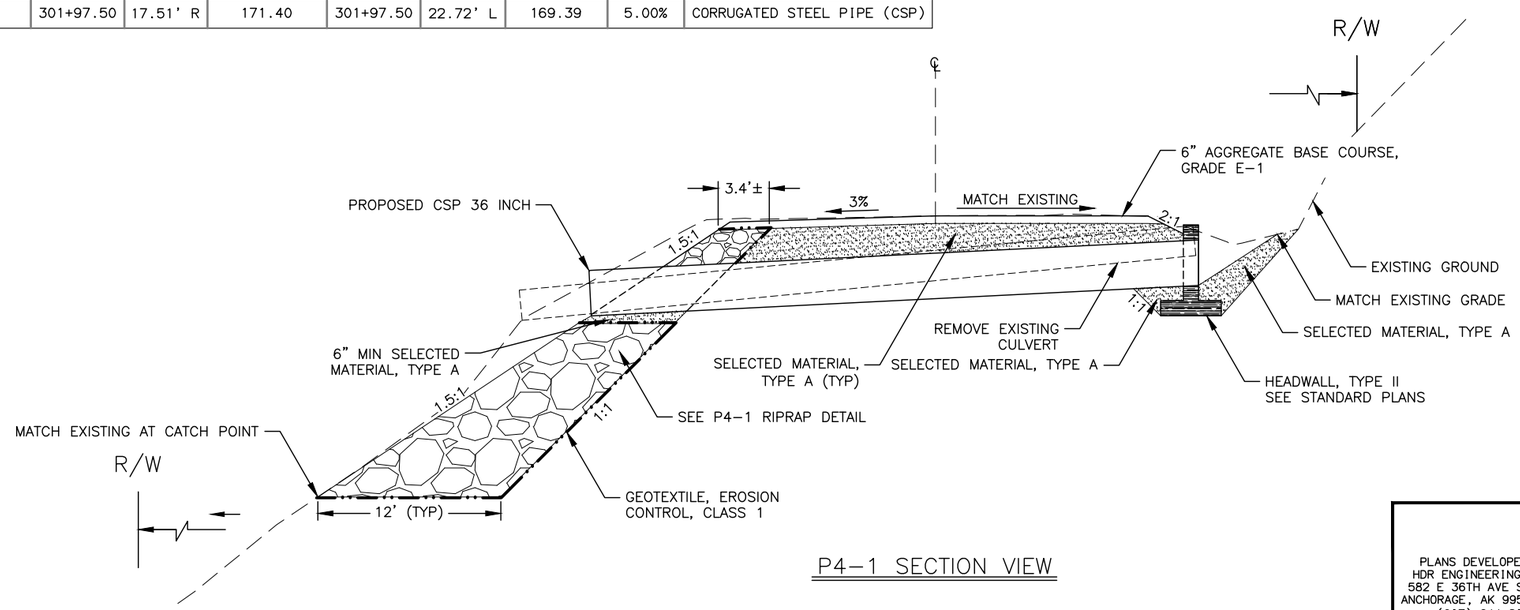
			ALASKA	SDRER00410	2022	E3	36



P4-1 PLAN VIEW

PIPE SUMMARY										
PIPE	SIZE (IN)	LENGTH (FT)	START STATION	START OFFSET	START INVERT ELEV. (FT)	END STATION	END OFFSET	END INVERT ELEV. (FT)	% GRADE	REMARKS
P4-1	36	40.28	301+97.50	17.51' R	171.40	301+97.50	22.72' L	169.39	5.00%	CORRUGATED STEEL PIPE (CSP)



P4-1 SECTION VIEW

PLANS DEVELOPED BY:
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STATE OF ALASKA
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JULY 2022
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STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SGY DYEA ROAD
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DYEA ROAD MP 2.30
P4-1 DETAILS

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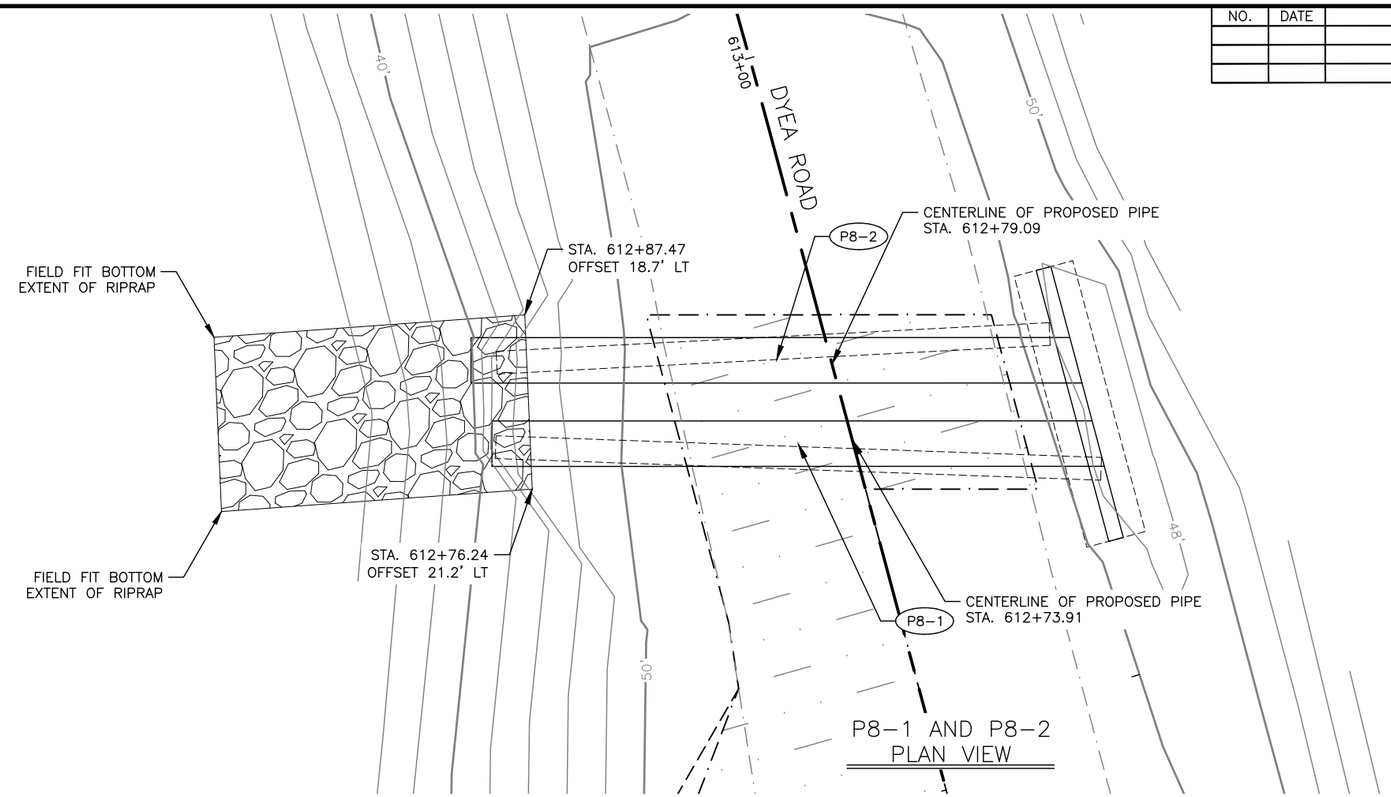
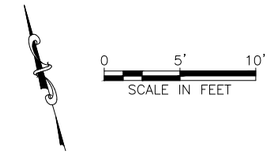
			ALASKA	SDRER00410	2022	E4	36

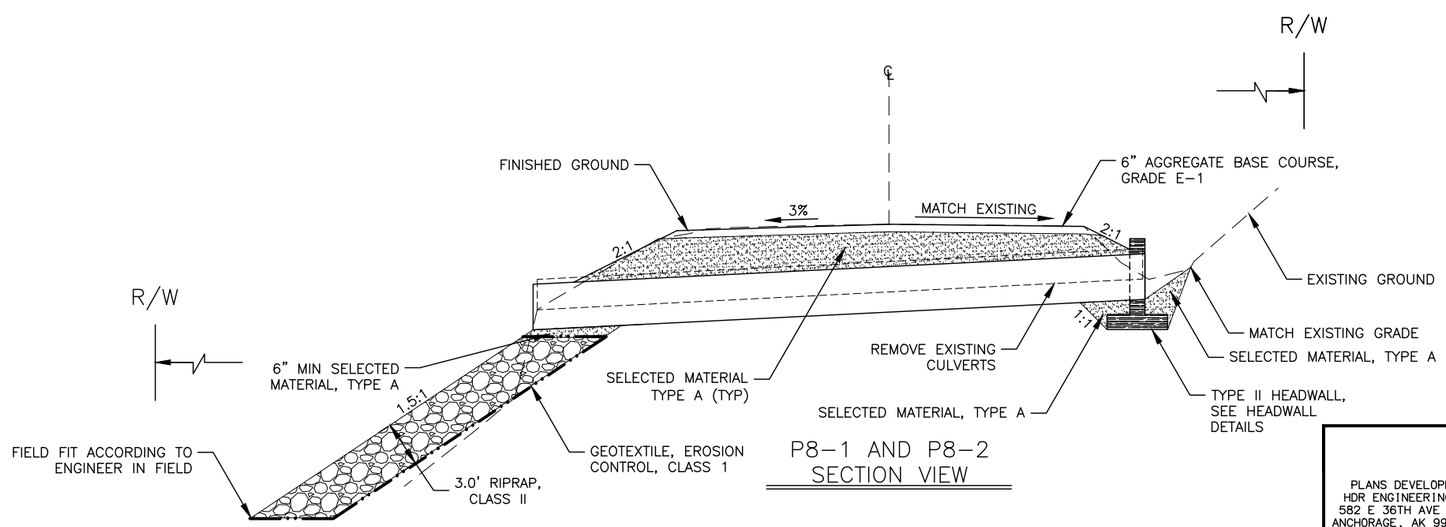


P8-1 AND P8-2
PLAN VIEW



PIPE SUMMARY

PIPE	SIZE (IN)	LENGTH (FT)	START STATION	START OFFSET	START INVERT ELEV. (FT)	END STATION	END OFFSET	END INVERT ELEV. (FT)	% GRADE	REMARKS
P8-1	36	40.46	612+69.37	16.00' R	45.95	612+79.83	23.03' L	43.93	5.00%	CORRUGATED STEEL PIPE (CSP)
P8-2	36	40.37	612+75.06	16.00' R	45.95	612+85.50	22.94' L	43.93	5.00%	CORRUGATED STEEL PIPE (CSP)



P8-1 AND P8-2
SECTION VIEW

PLANS DEVELOPED BY:
HDR ENGINEERING, INC.
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STATE OF ALASKA
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STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SGY DYEA ROAD
#00049 – DEC 20 SE PR

DYEA ROAD MP 3.12
P8-1 AND P8-2 DETAILS

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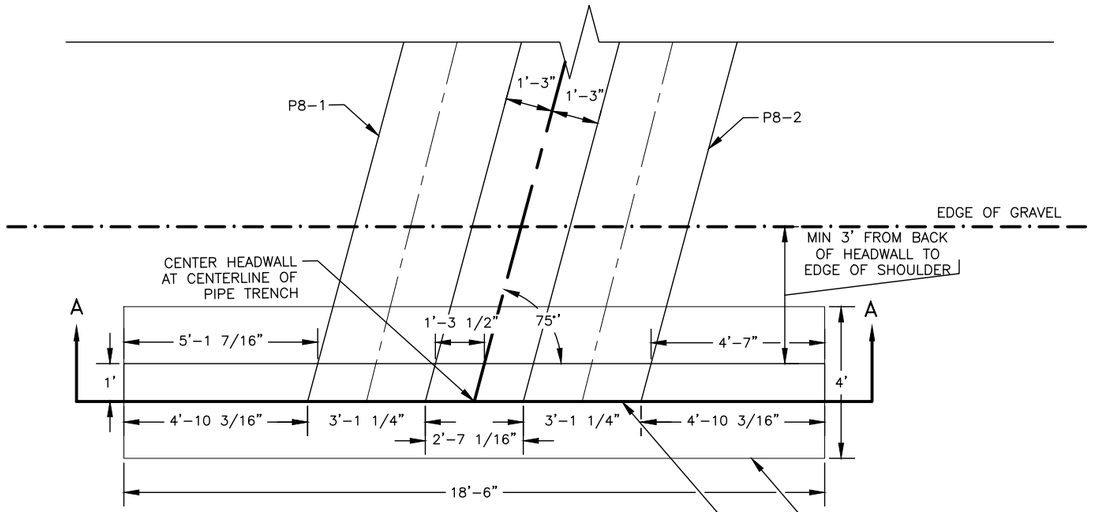
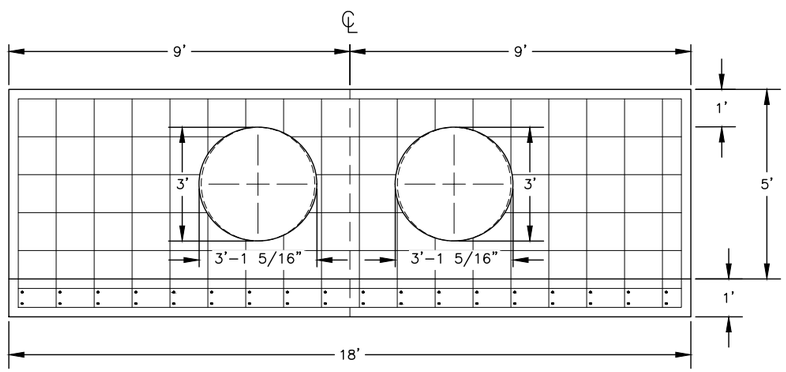
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	E5	36



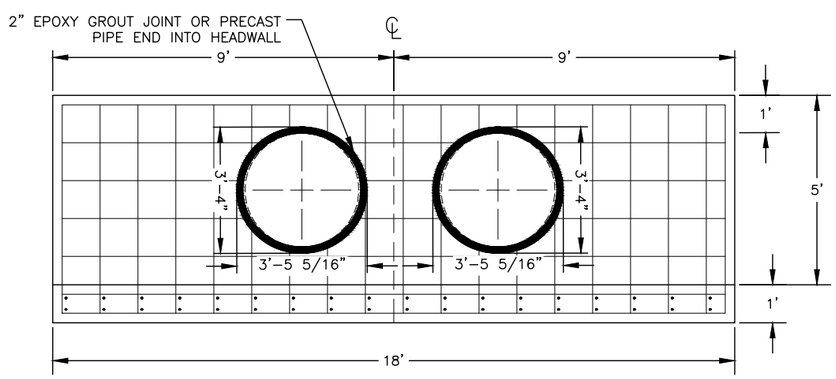
TOP VIEW TYPE II HEADWALL DETAIL

APPLIES TO CULVERTS P8-1 AND P8-2



SECTION A–A
CAST–IN–PLACE TYPE II HEADWALL DETAIL

APPLIES TO CULVERTS P8-1 AND P8-2
SEE STANDARD PLANS D-30 FOR REBAR LAYOUT AND ADDITIONAL INFORMATION



SECTION A–A
PRECAST TYPE II HEADWALL DETAIL

APPLIES TO CULVERTS P8-1 AND P8-2
SEE STANDARD PLAN D-31 FOR REBAR LAYOUT AND ADDITIONAL INFORMATION

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STATE OF ALASKA 49TH PROFESSIONAL ENGINEER 12937 PS&E REVIEW JULY 2022

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

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MP 3.12 HEADWALL DETAILS

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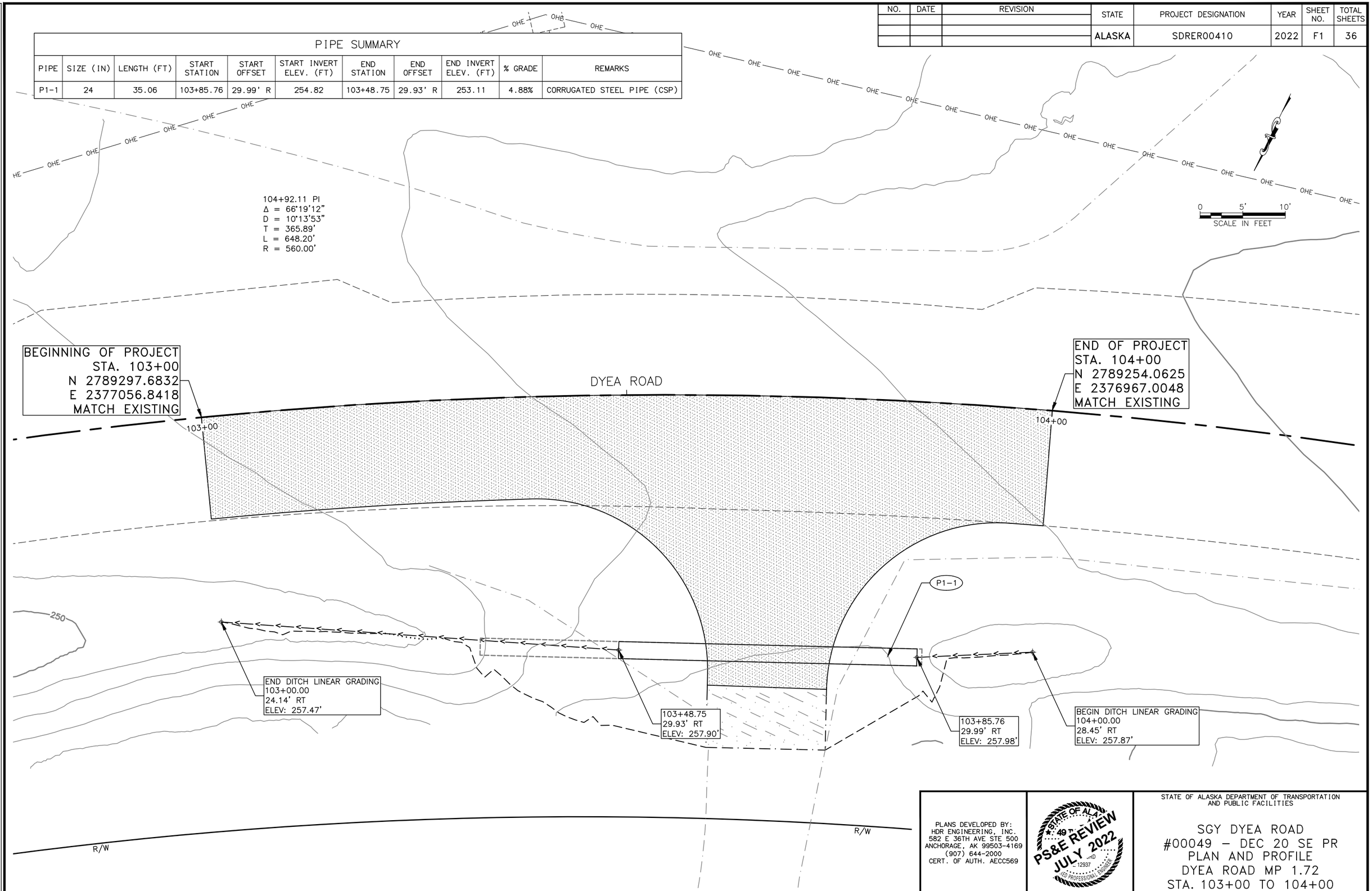
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SDRER00410	2022	F1	36

PIPE SUMMARY

PIPE	SIZE (IN)	LENGTH (FT)	START STATION	START OFFSET	START INVERT ELEV. (FT)	END STATION	END OFFSET	END INVERT ELEV. (FT)	% GRADE	REMARKS
P1-1	24	35.06	103+85.76	29.99' R	254.82	103+48.75	29.93' R	253.11	4.88%	CORRUGATED STEEL PIPE (CSP)



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STATE OF ALASKA
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JULY 2022
12937
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SGY DYEA ROAD
#00049 – DEC 20 SE PR
PLAN AND PROFILE
DYEA ROAD MP 1.72
STA. 103+00 TO 104+00

FILE	DATE	LAYOUT	DESIGNED	CHECKED	DRAFTED
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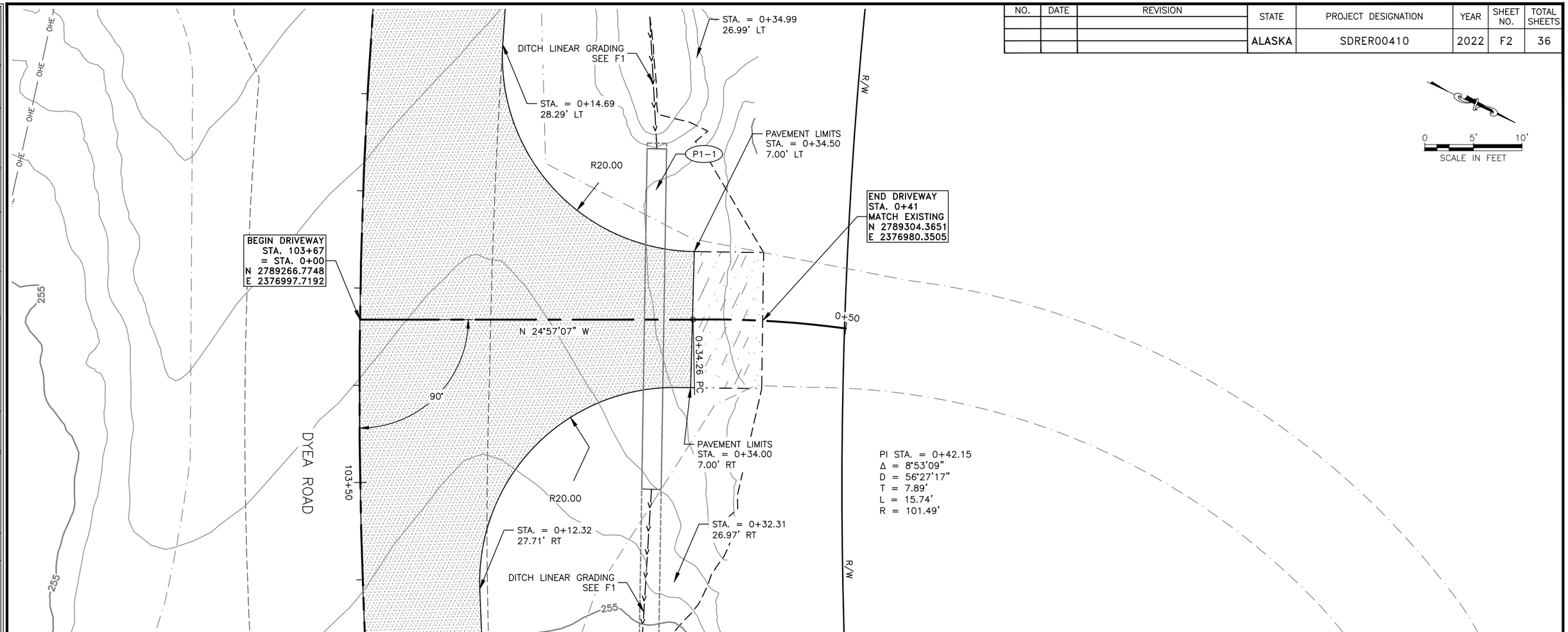
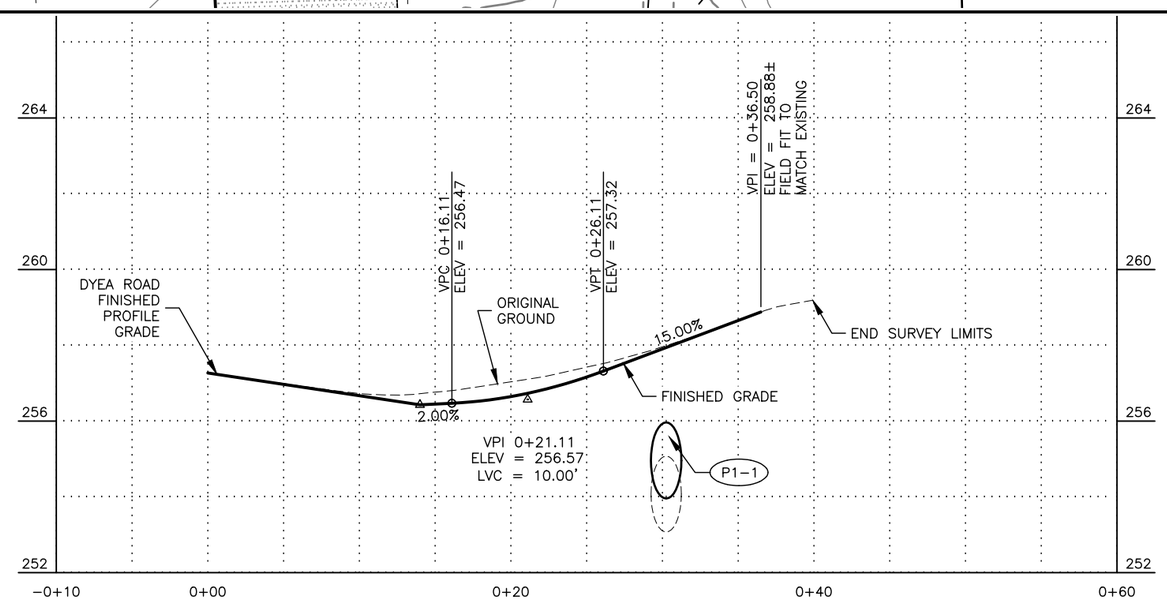
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	F2	36





PLANS DEVELOPED BY:
HDR ENGINEERING, INC.
582 E 36TH AVE STE 500
ANCHORAGE, AK 99503-4169
(907) 644-2000
CERT. OF AUTH. AECC569

STATE OF ALASKA
PS&E REVIEW
JULY 2022
12937
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SGY DYEA ROAD
#00049 – DEC 20 SE PR
PLAN AND PROFILE
DYEA ROAD MP 1.72
DRIVEWAY AT STA. 103+67

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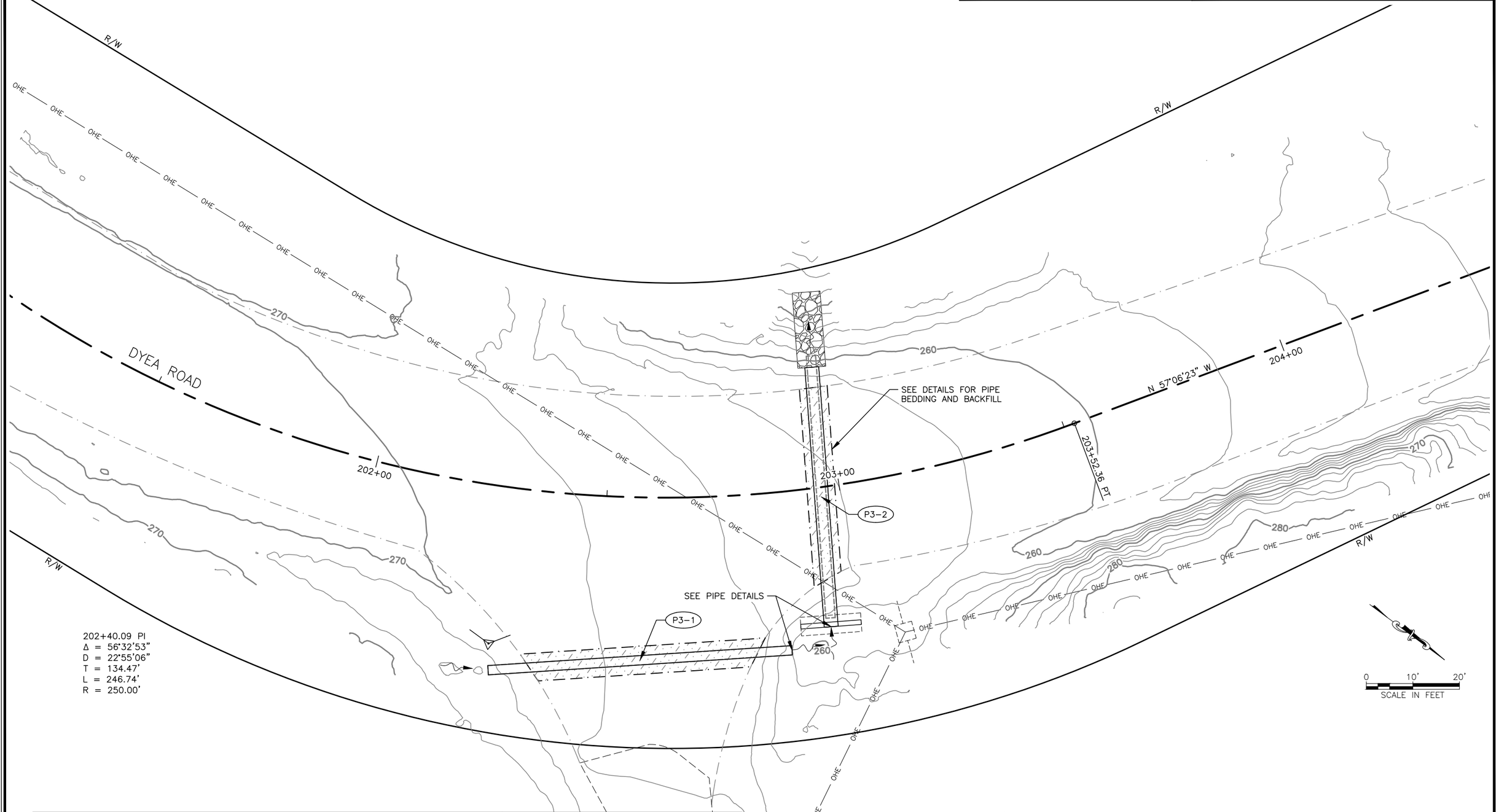
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SDRER00410	2022	F3	36



PIPE SUMMARY

PIPE	SIZE (IN)	LENGTH (FT)	START STATION	START OFFSET	START INVERT ELEV. (FT)	END STATION	END OFFSET	END INVERT ELEV. (FT)	% GRADE	REMARKS
P3-1	24	65.54	202+29.57	39.59' R	265.50	202+86.54	34.10' R	262.20	5.04%	CORRUGATED STEEL PIPE (CSP)
P3-1	SEE DETAIL SHEETS									

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STATE OF ALASKA 49TH PS&E REVIEW JULY 2022 12937 REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SGY DYEA ROAD
#00049 – DEC 20 SE PR

PLAN AND PROFILE
DYEA ROAD MP 2.00

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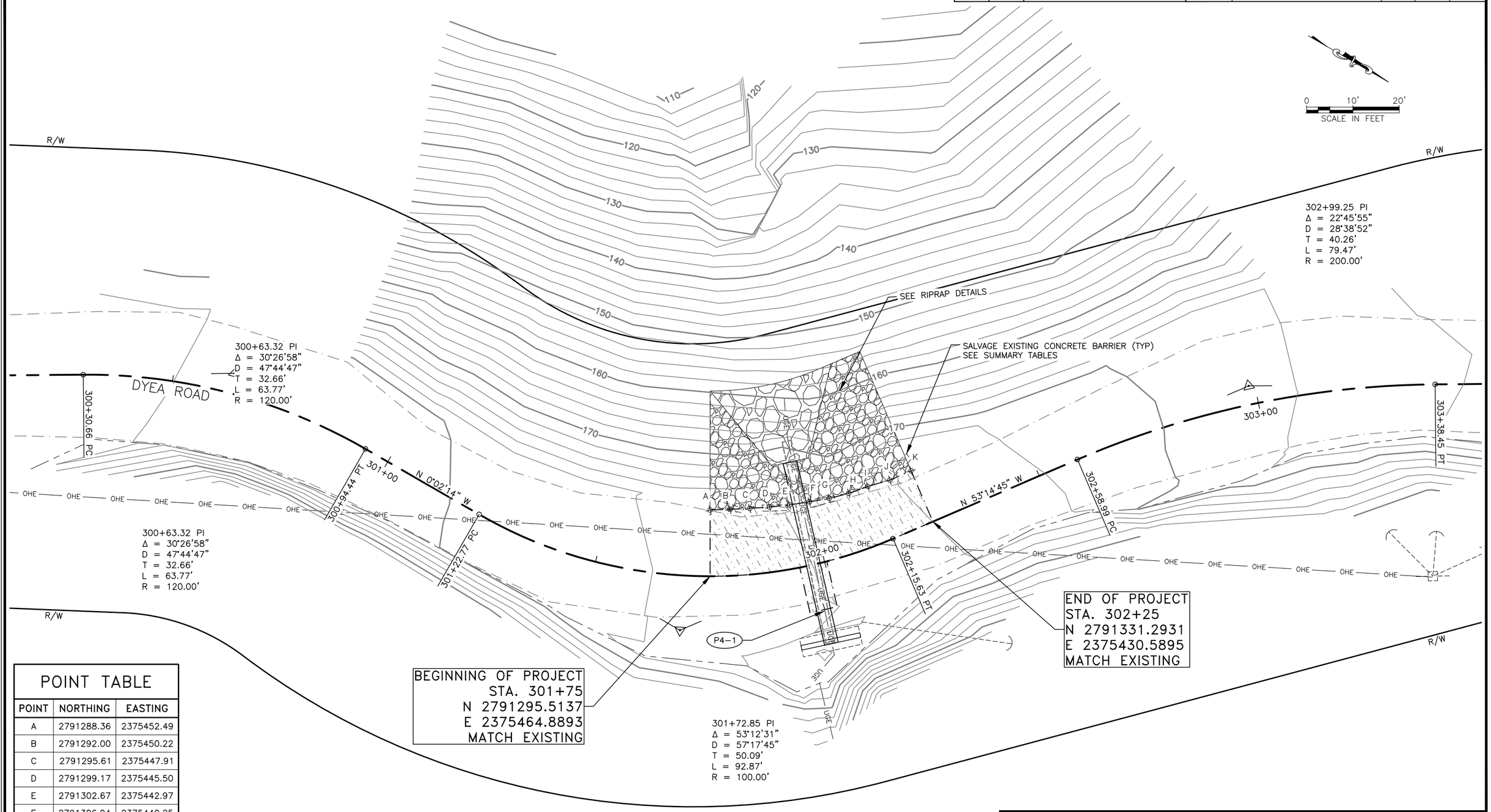

POINT TABLE

POINT	NORTHING	EASTING
A	2791288.36	2375452.49
B	2791292.00	2375450.22
C	2791295.61	2375447.91
D	2791299.17	2375445.50
E	2791302.67	2375442.97
F	2791306.04	2375440.25
G	2791309.40	2375437.46
H	2791312.50	2375434.39
I	2791315.31	2375431.03
J	2791318.76	2375427.47
K	2791321.72	2375423.44

PLANS DEVELOPED BY:
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582 E 36TH AVE STE 500
ANCHORAGE, AK 99503-4169
(907) 644-2000
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STATE OF ALASKA 49TH PS&E REVIEW JULY 2022 12937 REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SGY DYEA ROAD
#00049 – DEC 20 SE PR
PLAN AND PROFILE
DYEA ROAD MP 2.3
STA. 301+00 TO 303+00

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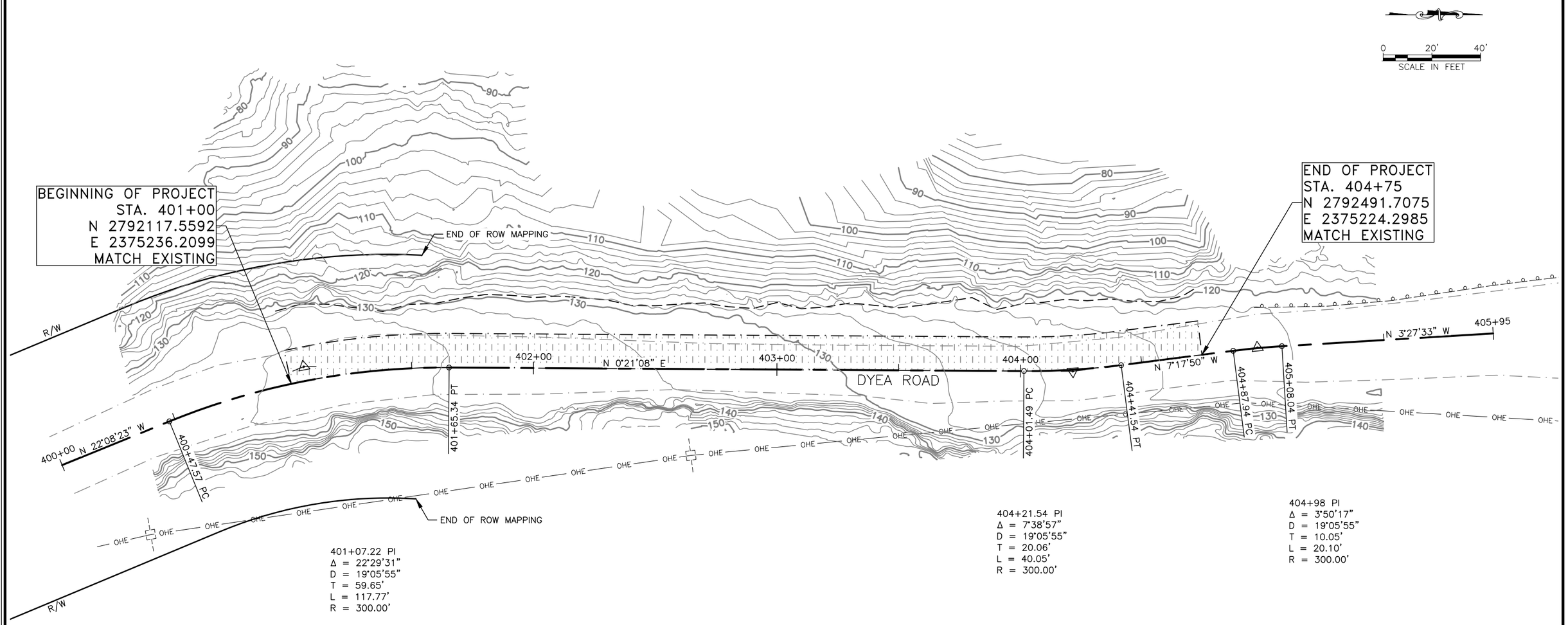

401+07.22 PI
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D = 19°05'55"
T = 59.65'
L = 117.77'
R = 300.00'

404+21.54 PI
Δ = 7°38'57"
D = 19°05'55"
T = 20.06'
L = 40.05'
R = 300.00'

404+98 PI
Δ = 3°50'17"
D = 19°05'55"
T = 10.05'
L = 20.10'
R = 300.00'

PLANS DEVELOPED BY:
HDR ENGINEERING, INC.
582 E 36TH AVE STE 500
ANCHORAGE, AK 99503-4169
(907) 644-2000
CERT. OF AUTH. AECC569

STATE OF ALASKA
PS&E REVIEW
JULY 2022
12937
REGISTERED PROFESSIONAL ENGINEER

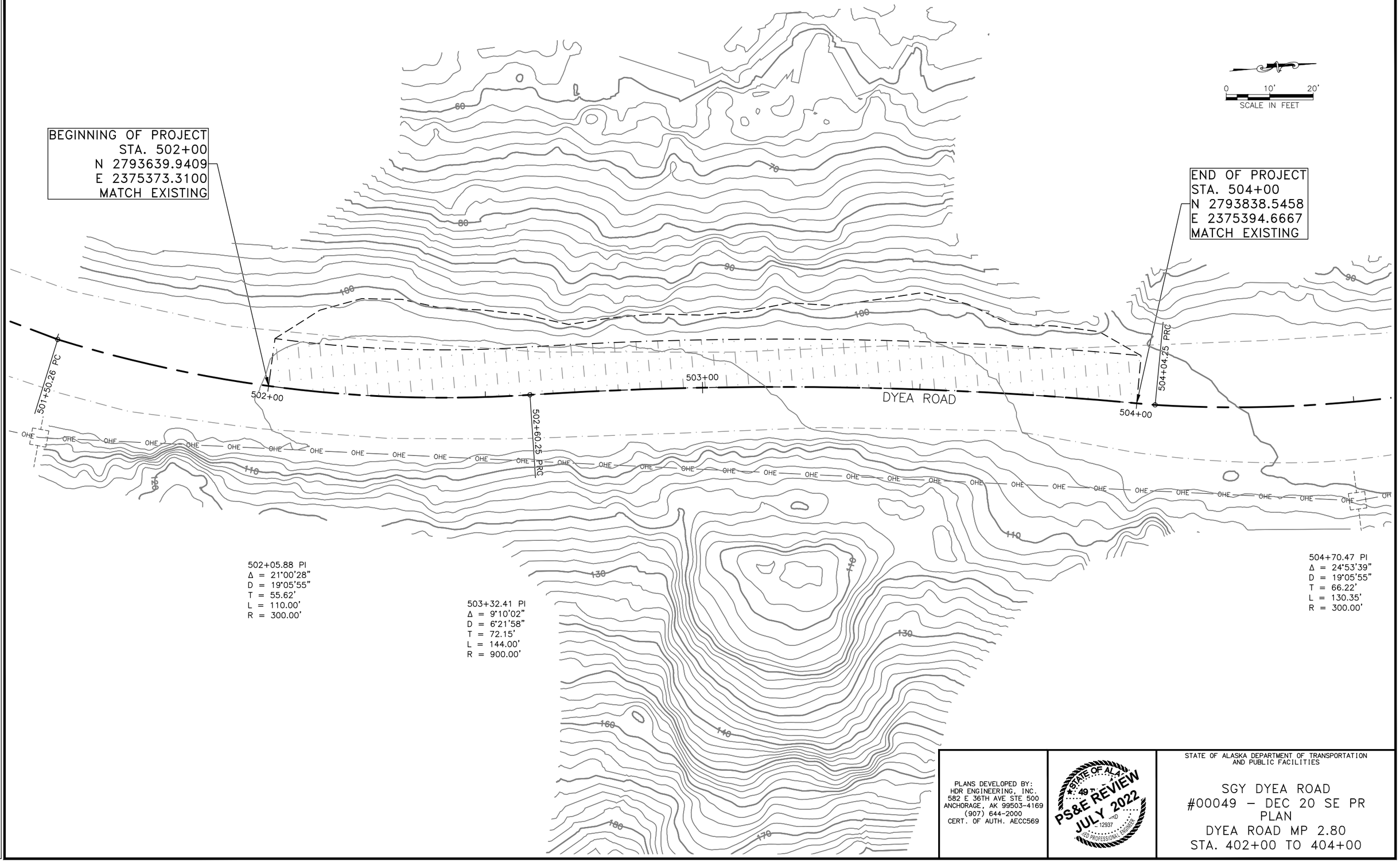
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SGY DYEA ROAD
#00049 – DEC 20 SE PR
PLAN
DYEA ROAD MP 2.49
STA. 401+00 TO 405+00

DRAFTED | CHECKED | DESIGNED | LAYOUT F5 | DATE 7/27/2022 11:07 | FILE c:\pwworking\west01\d2438244\00410_F1_PNP.dwg

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SDRER00410	2022	F6	36



PLANS DEVELOPED BY:
HDR ENGINEERING, INC.
582 E 36TH AVE STE 500
ANCHORAGE, AK 99503-4169
(907) 644-2000
CERT. OF AUTH. AECC569

STATE OF ALASKA
49TH
12937
REGISTERED PROFESSIONAL ENGINEER
PS&E REVIEW
JULY 2022

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SGY DYEA ROAD
#00049 – DEC 20 SE PR
PLAN
DYEA ROAD MP 2.80
STA. 402+00 TO 404+00

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DATE 7/27/2022 11:07
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DESIGNED
CHECKED
DRAFTED

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
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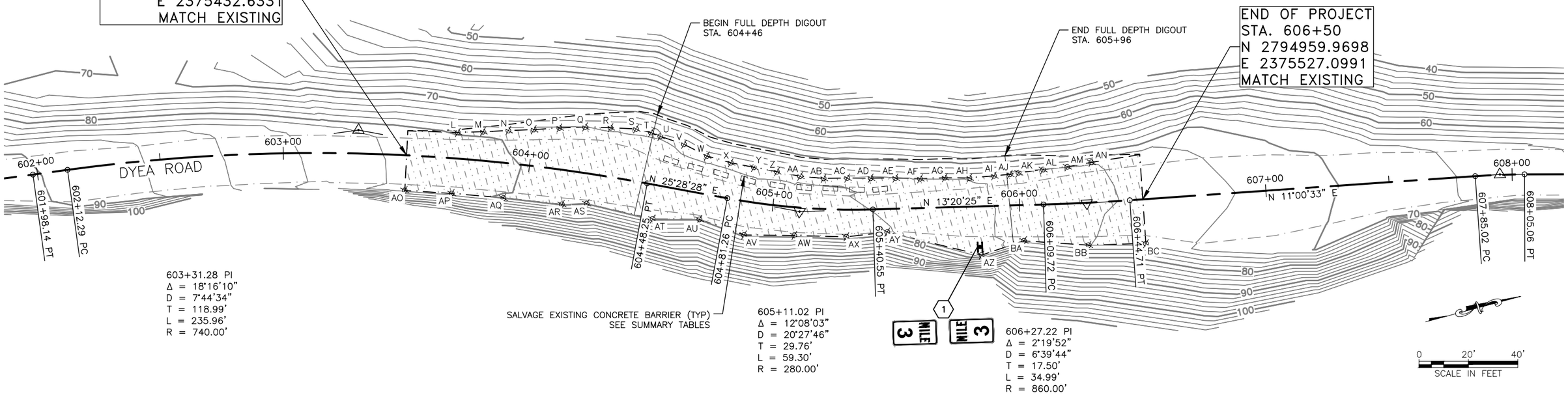
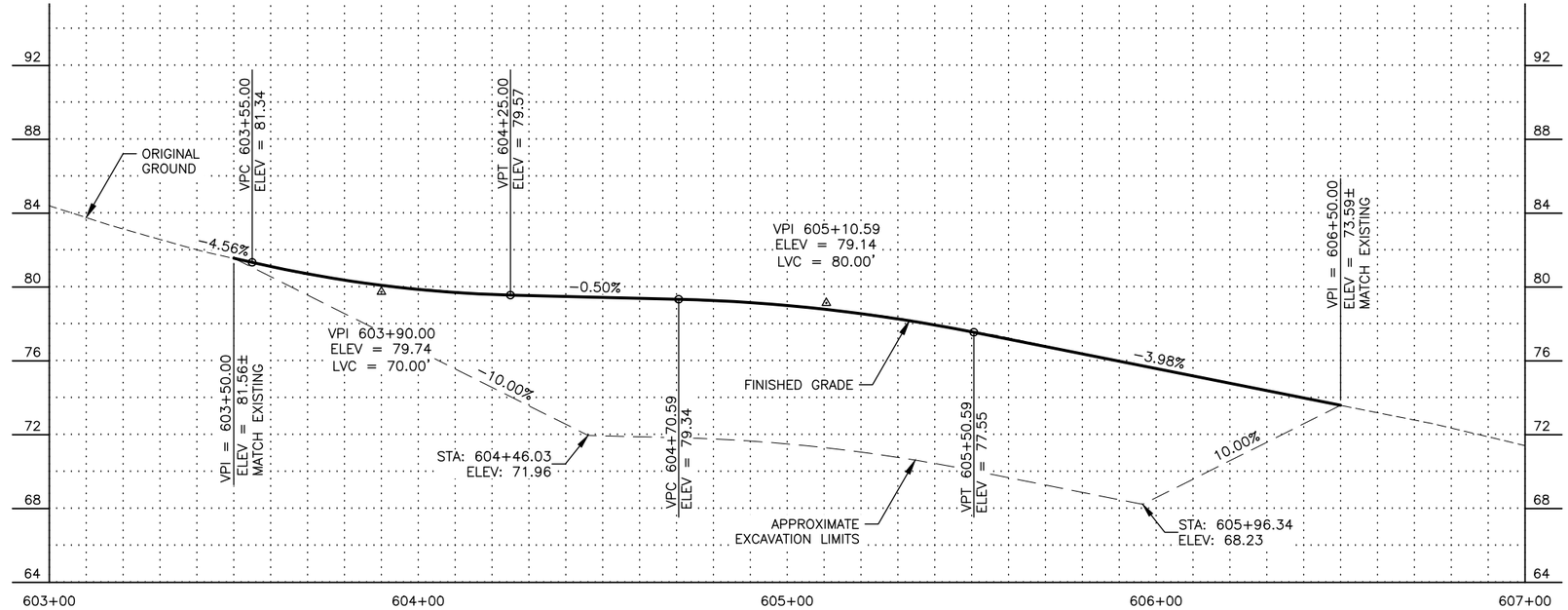


POINT TABLE

POINT	NORTHING	EASTING
AA	2794828.26	2375482.11
AB	2794837.22	2375485.40
AC	2794846.49	2375487.76
AD	2794855.70	2375490.25
AE	2794865.34	2375492.81
AF	2794874.94	2375495.67
AG	2794884.70	2375497.85
AH	2794894.34	2375500.55
AI	2794904.21	2375502.28
AJ	2794910.57	2375503.35
AK	2794914.16	2375503.65
AL	2794924.11	2375505.00
AM	2794933.86	2375506.45
AN	2794943.74	2375507.23
AO	2794672.04	2375446.23
AP	2794690.10	2375452.33
AQ	2794709.83	2375459.55
AR	2794732.05	2375468.18
AS	2794741.82	2375470.48
AT	2794766.03	2375483.40
AU	2794784.31	2375488.46
AV	2794800.13	2375499.24
AW	2794819.77	2375504.71
AX	2794840.00	2375510.70
AY	2794856.51	2375513.12
AZ	2794891.01	2375532.05



POINT TABLE

POINT	NORTHING	EASTING
BA	2794909.11	2375530.89
BB	2794933.93	2375539.38
BC	2794956.53	2375544.78
L	2794698.87	2375429.08
M	2794708.82	2375431.41
N	2794718.85	2375433.62
O	2794728.90	2375435.91
P	2794739.09	2375437.95
Q	2794749.22	2375440.28
R	2794759.12	2375443.24
S	2794768.99	2375446.37
T	2794774.48	2375449.37
U	2794777.72	2375451.84
V	2794786.14	2375457.40
W	2794793.90	2375464.37
X	2794802.51	2375469.55
Y	2794811.09	2375473.76
Z	2794819.66	2375477.90

PLANS DEVELOPED BY:
HDR ENGINEERING, INC.
582 E 36TH AVE STE 500
ANCHORAGE, AK 99503-4169
(907) 644-2000
CERT. OF AUTH. AECC569

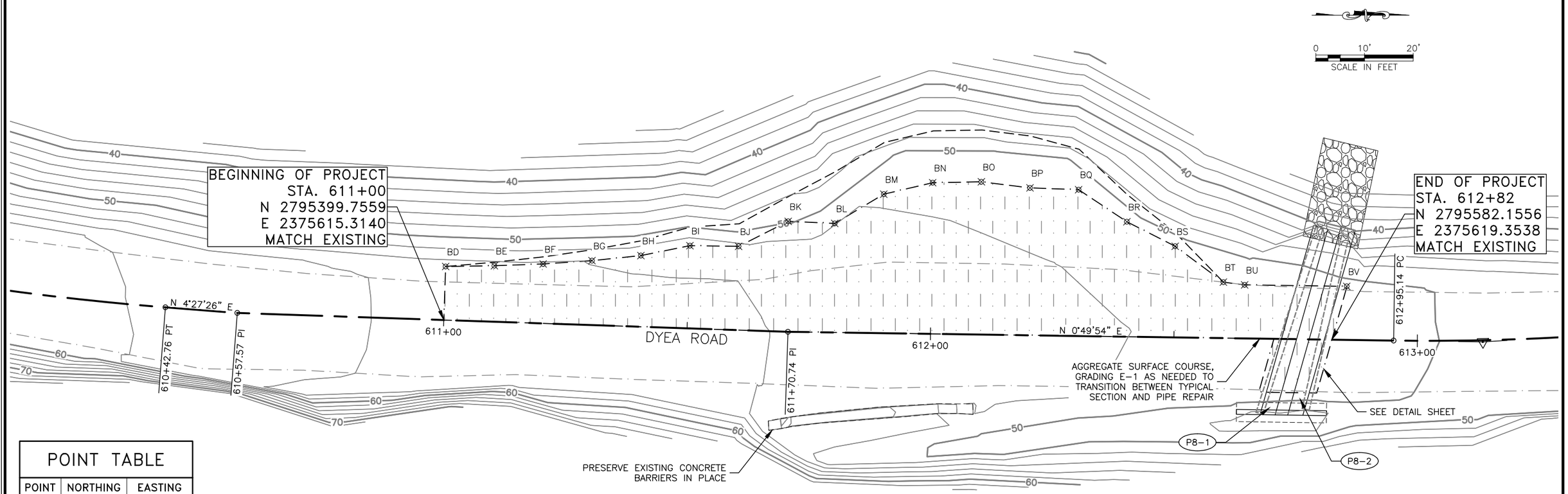
STATE OF ALASKA 49TH PS&E REVIEW JULY 2022 12937 REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SGY DYEA ROAD
#00049 – DEC 20 SE PR
PLAN AND PROFILE
DYEA ROAD MP 2.95–3.05
STA. 603+50 TO 606+50

FILE c:\pwworking\west01\d2438244\00410_F1_PNP.dwg | DATE 7/27/2022 11:07 | LAYOUT F7 | DESIGNED | CHECKED | DRAFTED

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	F8	36



POINT TABLE

POINT	NORTHING	EASTING
BD	2795400.13	2375604.32
BE	2795410.14	2375604.16
BF	2795420.16	2375603.80
BG	2795430.19	2375603.12
BH	2795440.23	2375602.08
BI	2795450.31	2375600.05
BJ	2795460.31	2375600.18
BK	2795470.49	2375595.04
BL	2795480.04	2375595.47
BM	2795490.13	2375589.46
BN	2795500.16	2375587.11
BO	2795510.17	2375586.92
BP	2795520.15	2375588.17
BQ	2795530.14	2375588.54
BR	2795540.05	2375595.13
BS	2795549.98	2375600.16
BT	2795559.87	2375607.53
BU	2795564.23	2375608.09
BV	2795585.21	2375608.40

613+13.47 PI
Δ = 4°11'57"
D = 11°27'33"
T = 18.33'
L = 36.64'
R = 500.00'

PLANS DEVELOPED BY:
HDR ENGINEERING, INC.
582 E 36TH AVE STE 500
ANCHORAGE, AK 99503-4169
(907) 644-2000
CERT. OF AUTH. AECC569

STATE OF ALASKA 49TH PS&E REVIEW JULY 2022 12937 REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SGY DYEA ROAD
#00049 – DEC 20 SE PR
PLAN AND PROFILE
DYEA ROAD MP 3.12
STA. 610+50 TO 612+82

FILE c:\pworking\west01\d2438244\00410_F1_PNP.dwg | DATE 7/27/2022 11:07 | LAYOUT F8 | DESIGNED | CHECKED | DRAFTED

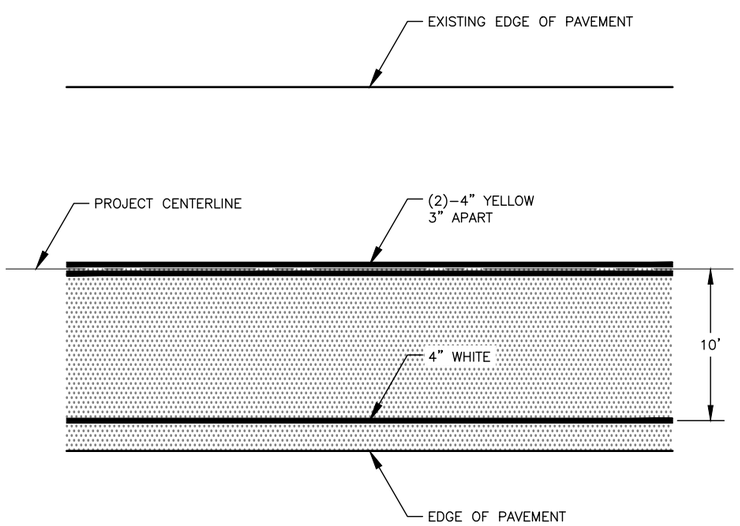
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	H1	36

SIGN SUMMARY

DI NO.	SHEET NO.	SIGN NO.	STATION ALIGNMENT	CL REF	TYPE	LEGEND	SIZE (IN) WIDTH	SIZE (IN) HEIGHT	AREA (SQ FT)	SIGN FACES	POST NO., SIZE, & TYPE	FRAMED? YES	FRAMED? NO	REMARKS
461217	F7	1	605+83.5	RT	D10-101	MILE 3	10	18	1.25	S	1-2.5" PT		X	INSTALL SIGNS BACK-TO-BACK ON THE SAME POST
					D10-101	MILE 3	10	18	1.25	N			X	
PAY ITEM TOTAL: 2.50														

SIGN SALVAGE SUMMARY

SHEET	STATION ALIGNMENT	CL REF	TYPE	LEGEND	REMARKS
F7	605+83.5	RT	D10-101	MILE 3	SIGNS BACK-TO-BACK ON THE SAME POST
			D10-101	MILE 3	



PAVEMENT MARKING DETAIL
DYEA ROAD MP 1.72

SIGNING NOTES:

1. ALL STATION LOCATIONS FOR SIGN INSTALLATION ARE APPROXIMATE. INSTALL SIGNS AT LOCATIONS AS DIRECTED BY THE ENGINEER.
2. USE THE FOLLOWING DEFINITIONS TO DECIPHER THE ABBREVIATED SIGN POST TYPES IN THE SIGN SUMMARY SHEETS.
   A. PT MEANS A PERFORATED STEEL TUBE.
   B. T MEANS A SQUARE STEEL TUBE.
   C. P MEANS A ROUND STEEL PIPE.
   D. W MEANS A WIDE FLANGE BEAM.
   E. POPL MEANS A POLE PLATE INSTALLED PER ITS ALASKA STANDARD PLAN S-23.
3. FABRICATE ALL SIGNS FROM 0.125" THICK ALUMINUM SHEETING, UNLESS STATED ELSEWHERE.
4. FOR PERFORATED STEEL TUBE SIGNPOSTS, INSTALL THE CONCRETE FOUNDATION OPTION SHOWN ON STANDARD PLAN S-30. TRIM EACH PT POST TO LIMIT THE LENGTH INSERTED INTO THE FOUNDATION TO 12 INCHES.
5. NOTIFY THE ENGINEER A MINIMUM OF 14 DAYS PRIOR TO BEGINNING SIGN REMOVAL AND SALVAGE OR DISPOSAL ACTIVITIES.
6. SELECTIVE AND HAND CLEARING SHALL BE PERFORMED AT THE DISCRETION OF THE ENGINEER, IN ACCORDANCE WITH SECTION 201, UPSTREAM OF ALL SIGN INSTALLATION LOCATIONS TO ACHIEVE MINIMUM SIGN VISIBILITY REQUIREMENTS. IF NOT INCLUDED AS A SEPARATE ITEM, THIS WORK SHALL BE SUBSIDIARY TO THE SIGN INSTALLATION ITEMS AND WORK.

PLANS DEVELOPED BY:
HDR ENGINEERING, INC.
582 E 36TH AVE STE 500
ANCHORAGE, AK 99503-4169
(907) 644-2000
CERT. OF AUTH. AECC569

STATE OF ALASKA
49TH
PS&E REVIEW
JULY 2022
12937
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SGY DYEA ROAD
#00049 – DEC 20 SE PR

SIGN SUMMARY AND STRIPING DETAILS

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LAYOUT H1
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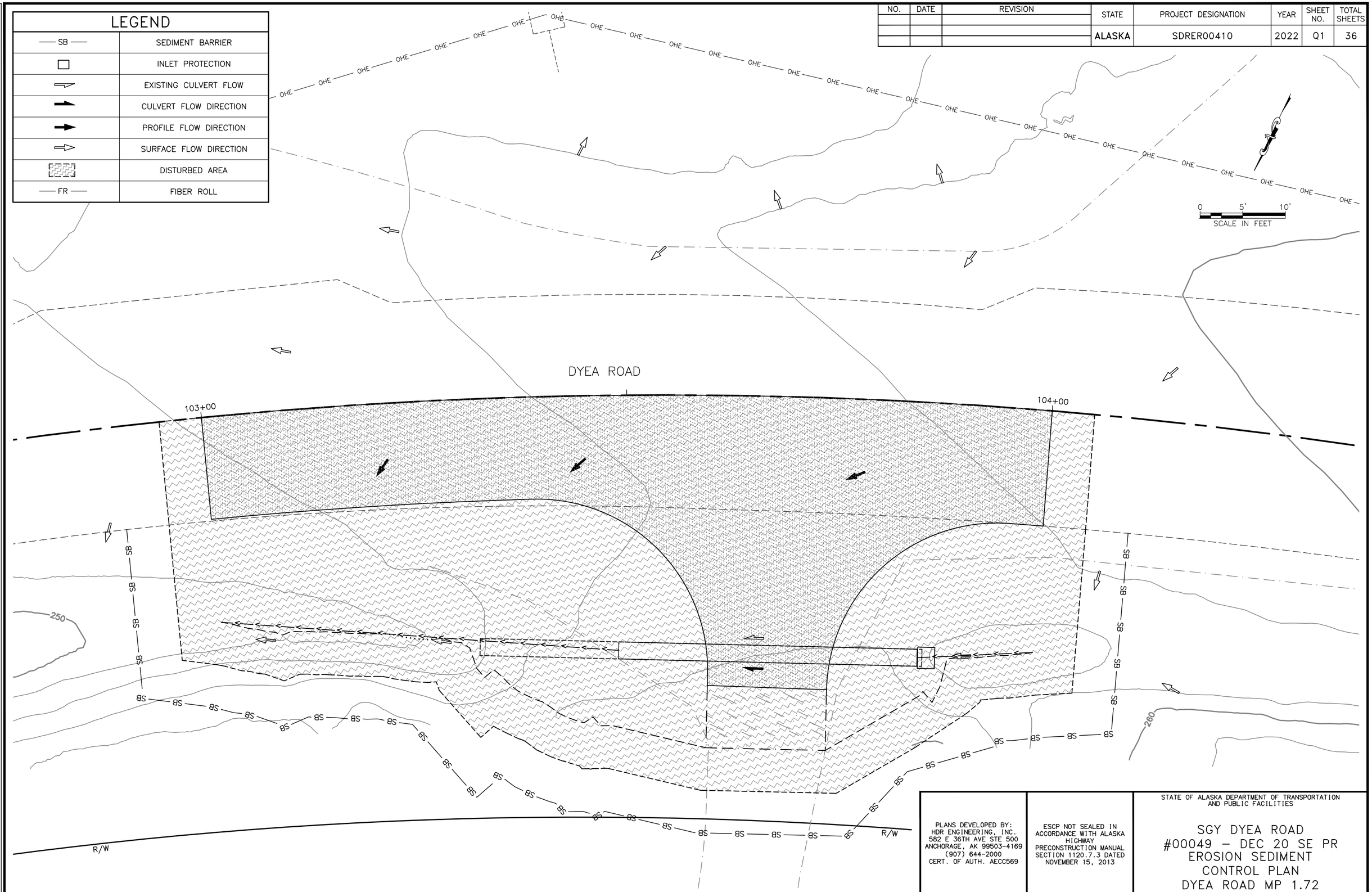
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	Q1	36

LEGEND

—— SB ——	SEDIMENT BARRIER
	INLET PROTECTION
	EXISTING CULVERT FLOW
	CULVERT FLOW DIRECTION
	PROFILE FLOW DIRECTION
	SURFACE FLOW DIRECTION
	DISTURBED AREA
—— FR ——	FIBER ROLL



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CERT. OF AUTH. AECC569

ESCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1120.7.3 DATED NOVEMBER 15, 2013

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SGY DYEA ROAD
#00049 – DEC 20 SE PR
EROSION SEDIMENT
CONTROL PLAN
DYEA ROAD MP 1.72

DRAFTED | CHECKED | DESIGNED | LAYOUT Q1 | DATE 7/26/2022 15:23 | FILE c:\pwworking\west01\d2438244\00410_ESCP.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
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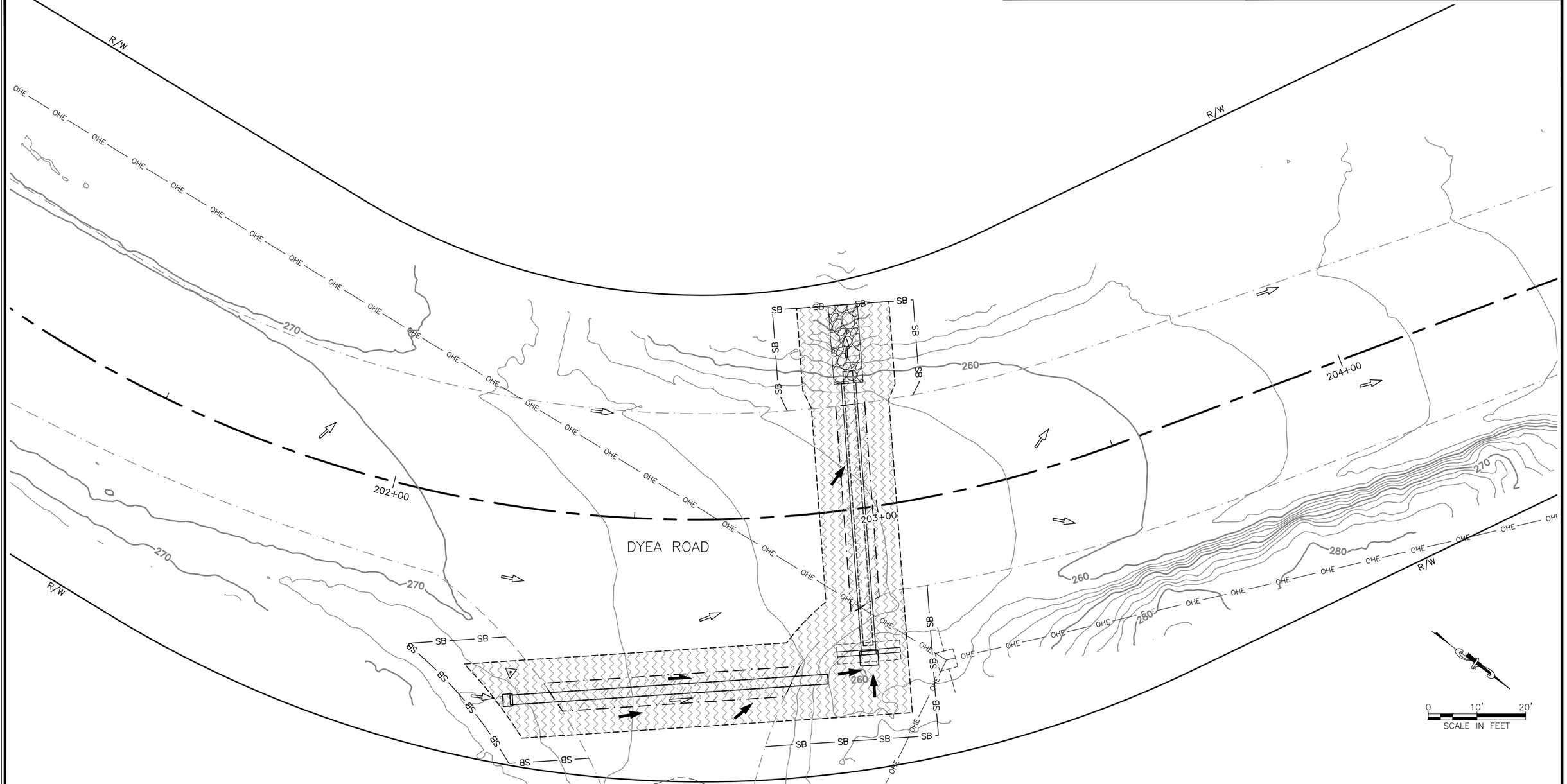

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(907) 644-2000
CERT. OF AUTH. AECC569

ESCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1120.7.3 DATED NOVEMBER 15, 2013

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SGY DYEA ROAD #00049 – DEC 20 SE PR EROSION SEDIMENT CONTROL PLAN DYEA ROAD MP 2.00

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	Q3	36

PLANS DEVELOPED BY:
HDR ENGINEERING, INC.
582 E 36TH AVE STE 500
ANCHORAGE, AK 99503-4169
(907) 644-2000
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STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SGY DYEA ROAD
#00049 – DEC 20 SE PR
EROSION SEDIMENT
CONTROL PLAN
DYEA ROAD MP 2.3

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LAYOUT Q3
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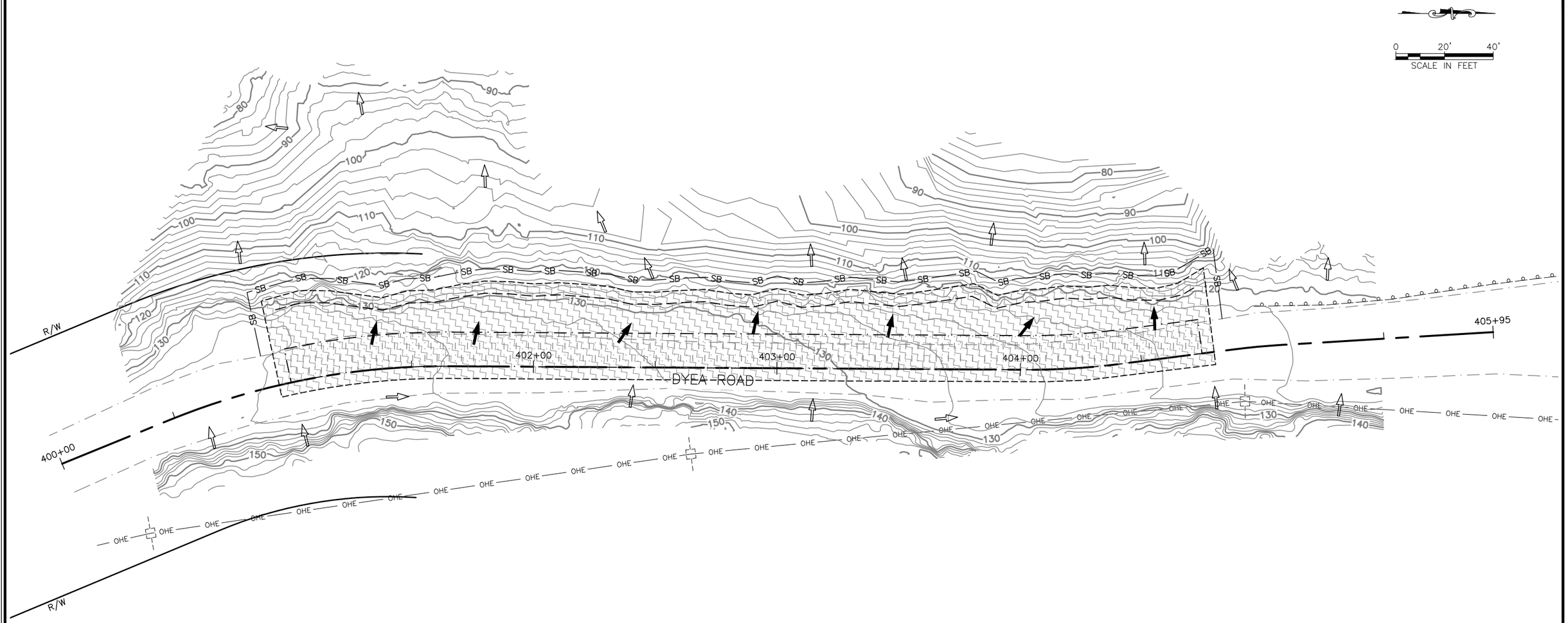

PLANS DEVELOPED BY:
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582 E 36TH AVE STE 500
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(907) 644-2000
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STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SGY DYEA ROAD
#00049 – DEC 20 SE PR
EROSION SEDIMENT
CONTROL PLAN
DYEA ROAD MP 2.49

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
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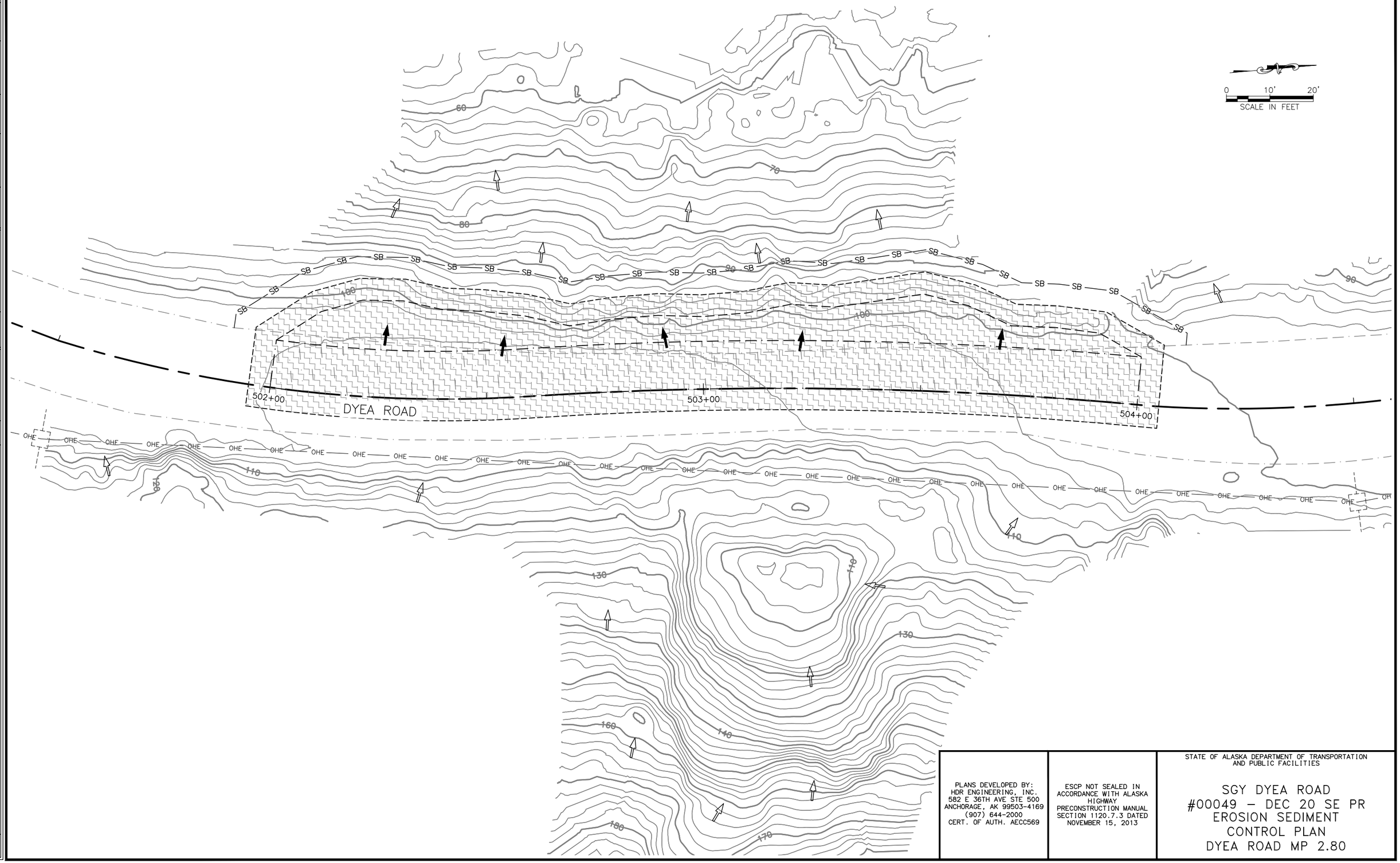

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STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SGY DYEA ROAD
#00049 – DEC 20 SE PR
EROSION SEDIMENT
CONTROL PLAN
DYEA ROAD MP 2.80

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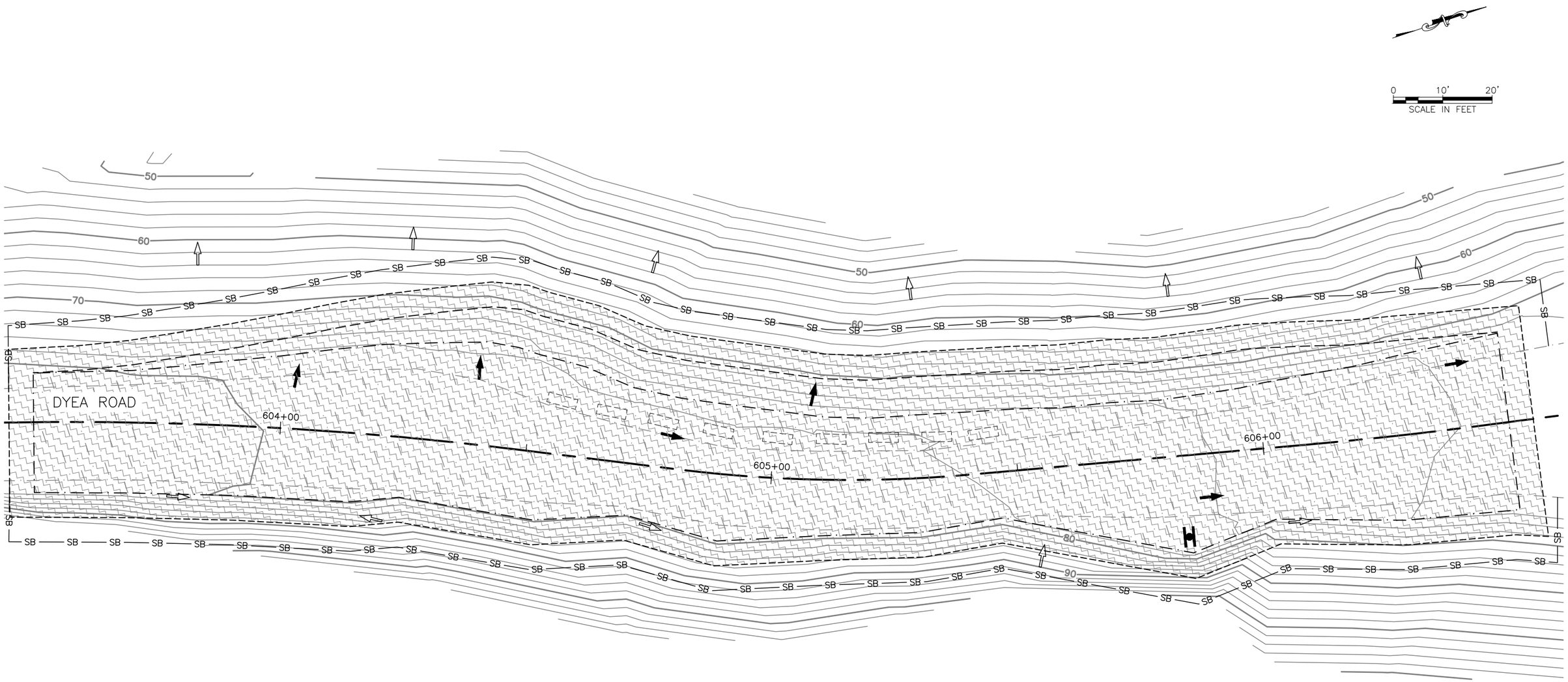
DESIGNED
CHECKED
DRAFTED

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SDRER00410	2022	Q6	36



PLANS DEVELOPED BY:
HDR ENGINEERING, INC.
582 E 36TH AVE STE 500
ANCHORAGE, AK 99503-4169
(907) 644-2000
CERT. OF AUTH. AECC569

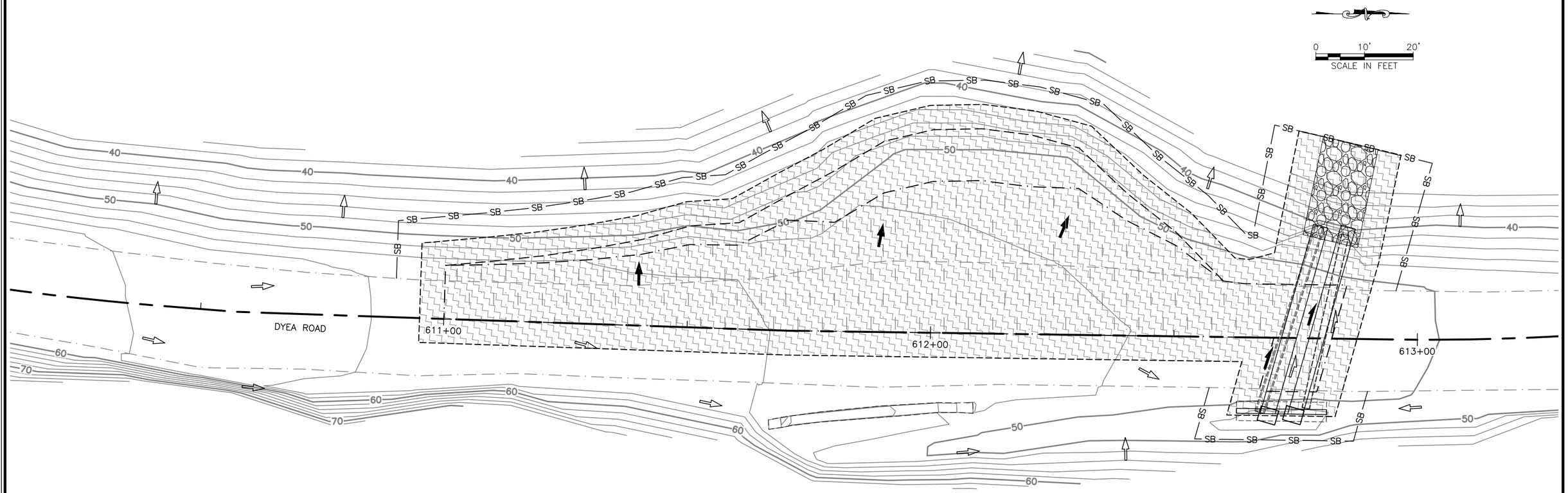
ESCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1120.7.3 DATED NOVEMBER 15, 2013

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SGY DYEA ROAD
#00049 – DEC 20 SE PR
EROSION SEDIMENT
CONTROL PLAN
DYEA ROAD MP 2.95–3.05

DRAFTED | CHECKED | DESIGNED | LAYOUT 06 | DATE 7/26/2022 15:23 | FILE c:\pwworking\west01\d2438244\00410_ESCP.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	Q7	36



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HDR ENGINEERING, INC.
582 E 36TH AVE STE 500
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(907) 644-2000
CERT. OF AUTH. AECC569

ESCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1120.7.3 DATED NOVEMBER 15, 2013

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SGY DYEA ROAD
#00049 – DEC 20 SE PR
EROSION SEDIMENT
CONTROL PLAN
DYEA ROAD MP 3.12

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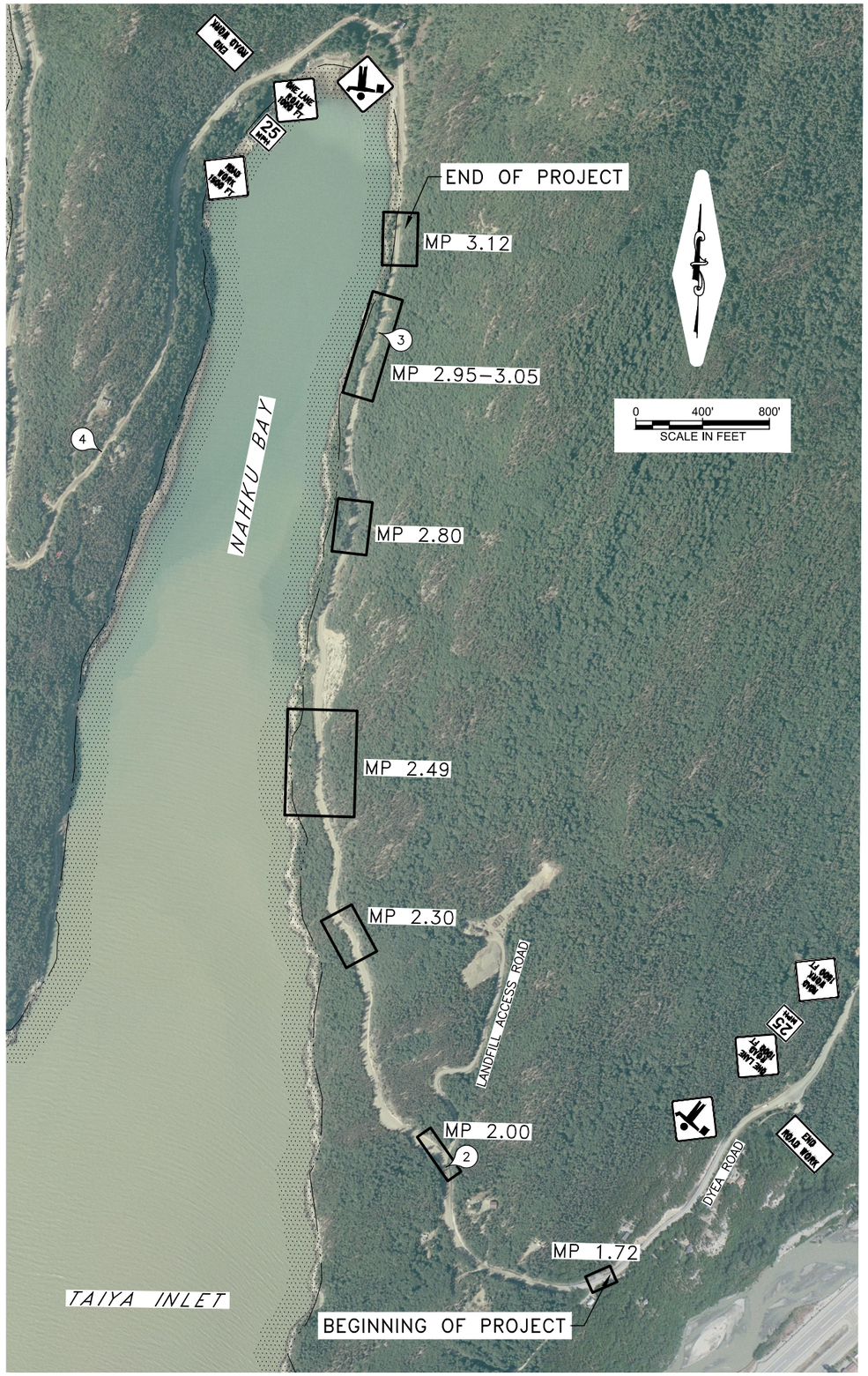
DATE 7/26/2022 15:23
LAYOUT 07
DESIGNED
CHECKED
DRAFTED

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	T1	36



LANE CLOSURE ON TWO–LANE ROAD WITH LOW TRAFFIC VOLUMES

TCP SETUP TABLE

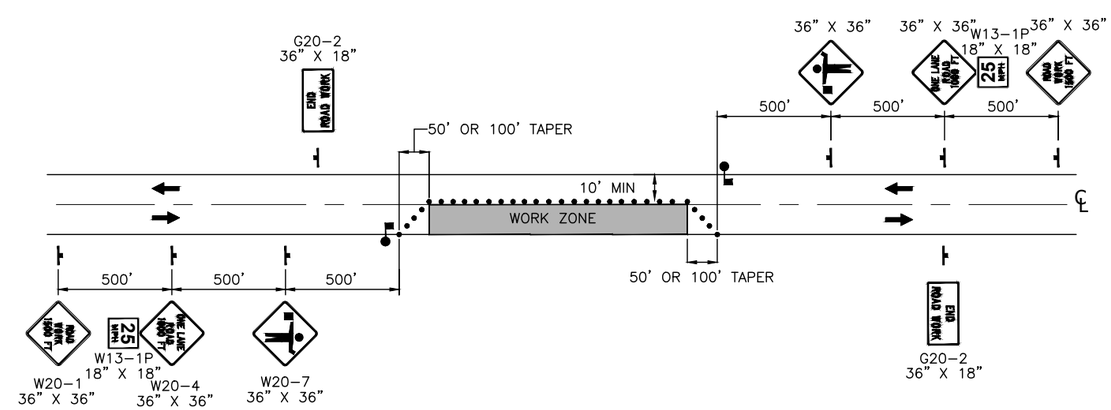
SPEED 25 (MPH) OR BELOW	MIN NUMBER OF DEVICES WIDTH OF OFFSET (W) IN FT			MAX DEVICE SPACING ALONG TANGENT	BUFFER SPACE
	10'	11'	12'	(FT)	(FT)
	6 DEVICES EVENLY SPACED			50	155

TRAFFIC CONTROL NOTES:

1. SUBMIT ALL TCPs TO THE ENGINEER FOR APPROVAL.
2. TEMPORARY DRIVING LANES SHALL HAVE A MINIMUM WIDTH OF 10'–0" WITH A MAXIMUM SPEED LIMIT OF 25 MPH.
3. PLACE CONSTRUCTION SIGNS SUCH THAT THEY DO NOT OBSCURE EXISTING TRAFFIC SIGNS.
4. SUGGESTED CONSTRUCTION PHASING:
   - REMOVE PAVEMENT AT EACH SITE FROM BEGINNING OF PROJECT TO END OF PROJECT IN ORDER OF THE ENGINEER IN THE FIELD. USE SINGLE–LANE CLOSURES AND SWAP TRAFFIC BACK AND FORTH WHEN NEEDED.
   - EXCAVATE ROAD EMBANKMENT WIDTH TO THE EXTENT NECESSARY TO ENABLE EMBANKMENT REPAIR OR REMOVAL AND REPLACEMENT OF CULVERTS, AS SHOWN AT EACH SITE IN PLANS. USE SINGLE LANE CLOSURES AND SWAP TRAFFIC BACK AND FORTH AS NEEDED TO REACH DESIRED DEPTH.
   - REPLACE CULVERTS AT APPROPRIATE SITES AND REBUILD EMBANKMENT WHILE MAINTAINING A SINGLE LANE OF TRAFFIC.
5. TRAFFIC CONTROL SHOWN FOR DISPLAY PURPOSES ONLY. CONTRACTOR IS REQUIRED TO MINIMIZE IMPACT BY ONLY DISTURBING AREA WITHIN 1 MILE OF THE WORK SITE – SO THE FLAGGED WORK ZONE IS NO MORE THAN 1 MILE IN LENGTH AT ANY TIME.
6. LIMIT FLAGGING OPERATIONS TO ACTIVE WORK ZONE. USE PILOT CAR OR MULTIPLE FLAGGER SETUP BASED ON NUMBER AND LOCATION OF SITES UNDER ACTIVE CONSTRUCTION.

TRAFFIC CONTROL LEGEND

- FLAGGER
- CONSTRUCTION SIGN
- DRUM
- CONE
- WARNING LIGHT
- TRAFFIC FOLLOW



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TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SGY DYEA ROAD
#00049 – DEC 20 SE PR

TRAFFIC CONTROL PLAN

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