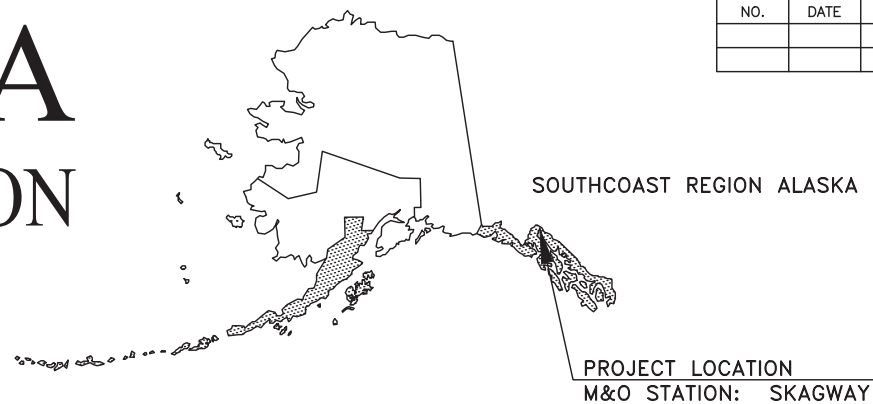


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# STATE OF ALASKA

## DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES



NO.	DATE	REVISIONS	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	A1	38
DI #461214			ROUTE ID: 2041003X000	MILEPOINT: 1.72			
			LATITUDE: 59.459617	LONGITUDE: -135.326184			
DI #461260			ROUTE ID: 2041003X000	MILEPOINT: 2.0			
			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

December 15, 2022

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	41'±	10'	
DYEA RD MP 2.3 DI#461261	13'±	50'	
DYEA RD MP 2.49 DI#784616	14'	375'	
DYEA RD MP 2.8 DI#461216	11'	200'	
DYEA RD MP 2.95-3.05 DI#461217	24'-36'±	300'	
DYEA RD MP 3.12 DI#461648 & DI#784619	11'-30'±	182'	

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

**Project Engineer: Michelle Smith Date: 11/30/2023**

**AS BUILTS**



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

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APPROVED: *Kirk Miller* Digitally signed by Kirk Miller  
 Date: 2022.10.25 13:51:09 -08'00' **10/25/22**

KIRK MILLER, P.E.  
 REGIONAL PRECONSTRUCTION ENGINEER

---

APPROVED: *Victoria Roberts* Digitally signed by Victoria Roberts  
 Date: 2022.10.25 13:54:26 -08'00' **10/25/22**

VICTORIA ROBERTS  
 DIRECTOR, SOUTHCOAST REGION

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	A2	38

	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		
REBAR AND CAP		
REBAR		
IRON PIPE		
PK NAIL		
SPIKE		
HUB AND TACK		
CONSTRUCTION CENTERLINE		
MISCELLANEOUS CENTERLINE		
STATION EQUATION	$\begin{matrix} "L"48+97.23 \text{ POT BK=} \\ "O"48+97.23 \text{ PC AHD} \end{matrix}$	
PROJECT RIGHT-OF-WAY LINE		
EXISTING RIGHT-OF-WAY LINE		
EXISTING PROPERTY LINE		
CONTROLLED ACCESS LINE		
UTILITY EASEMENT LINE		
TEMPORARY EASEMENT LINE (TCP OR TCE)		
ACCESS OR SECTION LINE EASEMENT		
PROPOSED CUT SLOPE LIMIT		
PROPOSED FILL SLOPE LIMIT		
SECTION LINE		
1/4 SECTION LINE		
1/16 SECTION LINE		
TOWNSHIP & RANGE LINE	$\frac{T. 2 N.}{T. 1 N.}$	$\frac{T. 2 E.}{T. 1 E.}$

	EXISTING	PROPOSED
SANITARY SEWER (FLOW DIRECTION →)		
FUEL LINE		
GAS LINE		
WATER LINE		
METER, VALVE, FIRE HYDRANT		
EXISTING CULVERT		
PROPOSED STORM DRAIN		
FIBER OPTIC LINE		
DIRECT BURIAL TELEPHONE CABLE		
DIRECT BURIAL ELECTRIC CABLE		
ELECTRIC LINE (OVERHEAD)		
POWER POLE LINE		
JOINT USE POWER & TELEPHONE		
TELEPHONE POLE LINE		
POLE ANCHOR		
STUB POLE (POWER OR TELEPHONE)		
TELEPHONE DUCT		
TELEPHONE PEDESTAL		
BURIED CABLE MARKER		
PIPELINE MARKER OR VALVE		
CATCH BASIN OR DROP INLET		
MANHOLE		
SANITARY SEWER CLEAN OUT		
PRIVATE LUMINAIRE		
ELECTRIC BOX		
MILE POST		
RIPRAP		
PAVEMENT		
AGGREGATE SURFACE COURSE		
GRAVEL EDGE		
DITCH RECONDITIONING		
THAW WIRE		

	EXISTING	PROPOSED
ROADWAY/PAVEMENT EDGE		
FENCE		
CURB AND GUTTER		
DETECTABLE WARNINGS		
GUARDRAIL		
CULVERT PIPE		
SIGN		
MAILBOX		
RAILROAD TRACKS		
RAILROAD DEVICES		
TREE LINE		
WATER BOUNDARY		
ORDINARY HIGH WATER LINE		
FLOW CENTERLINE		
FLOW DIRECTION		
WETLANDS		
EXISTING BUILDINGS		
POST OR BOLLARD		
WELL OR MONITORING WELL		
SEPTIC PIPE		
FUEL TANK FILL PIPE/VENT		
SATELLITE DISH		
TEST HOLE		
CONIFER TREE		
DECIDUOUS TREE		
GRAVE		
THERMOSIPHON		
PARKING METER		
VEHICLE PLUG-IN		
DELINEATOR/GUIDE MARKER		

	EXISTING	PROPOSED
JUNCTION BOX, TYPE IA		
JUNCTION BOX, TYPE II		
JUNCTION BOX, TYPE III		
SIGNAL FACE, VEHICULAR		
SIGNAL FACE, BACKPLATE		
SIGNAL FACE, LEFT TURN, BACKPLATE		
SIGNAL FACE, PEDESTRIAN		
LOOP DETECTOR		
VIDEO DETECTOR		
RADAR DETECTOR		
OPTICOM DETECTOR		
PEDESTRIAN PUSH BUTTON		
SIGNAL POST W/O MAST ARM		
SIGNAL POLE W/MAST ARM		
SIGNAL CONTROLLER		
ELECTRIC LOAD CENTER		
LUMINAIRE		
RIGID METAL CONDUIT		

- H = HOUSE
- G = GARAGE
- M = MERCHANT/STORE
- B = BARN
- S = SHED
- P = PRIVY
- SS = SERVICE STATION
- W = WAREHOUSE

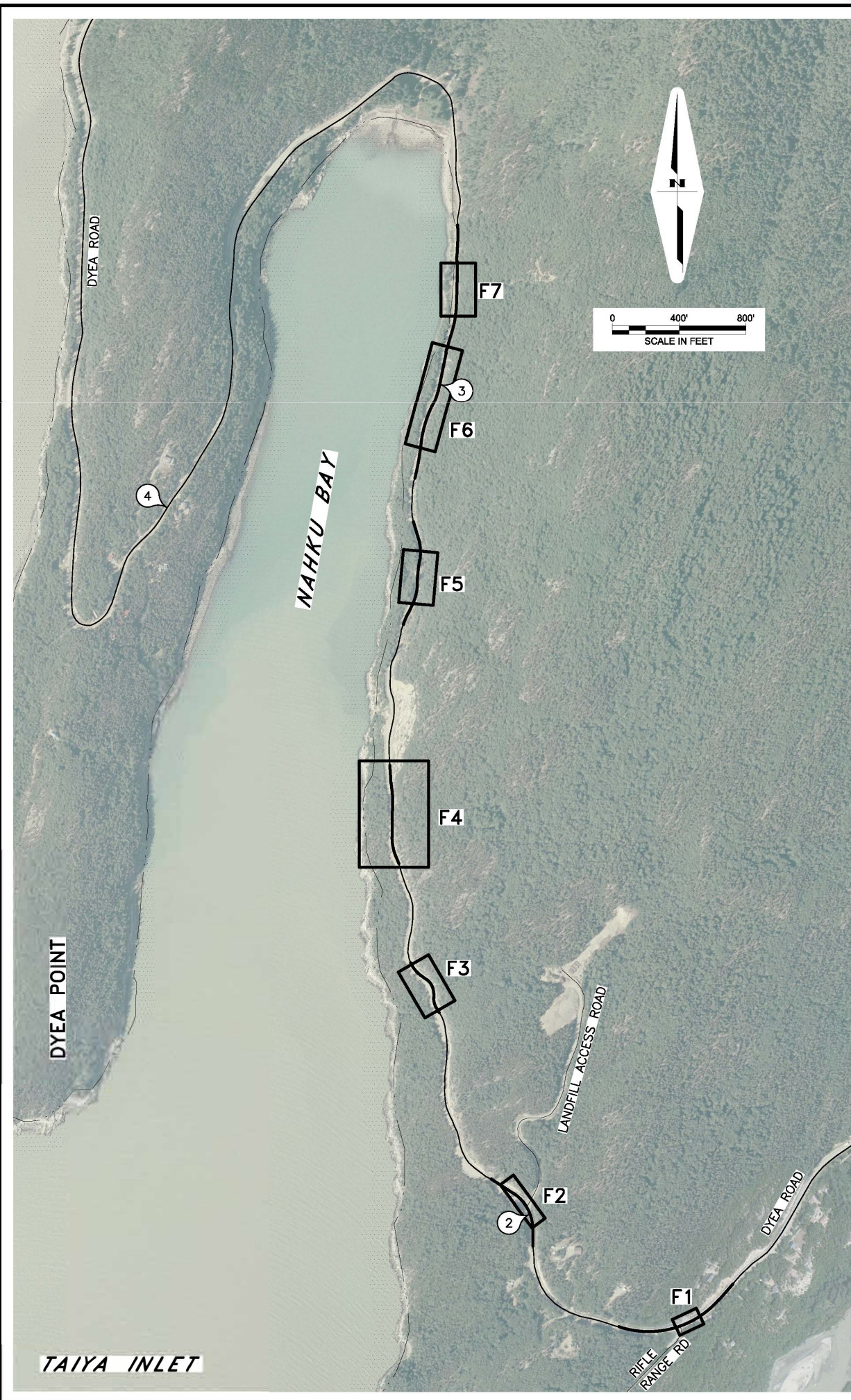
**ABBREVIATIONS:**

- |        |                          |         |                                |
|--------|--------------------------|---------|--------------------------------|
| APPROX | APPROXIMATELY            | PT      | POINT OF TANGENCY              |
| C      | CENTERLINE               | PVI     | POINT OF VERTICAL INTERSECTION |
| CY     | CUBIC YARD               | RT      | RIGHT                          |
| E      | EAST, EASTING            | S       | SOUTH                          |
| ELEV   | ELEVATION                | SQ. FT. | SQUARE FOOT                    |
| FT. '  | FOOT, FEET               | STA     | STATION                        |
| H      | HORIZONTAL               | T       | TANGENT                        |
| L      | LENGTH OF CURVE          | TYP     | TYPICAL                        |
| IN. "  | INCH, INCHES             | V       | VERTICAL                       |
| L      | LENGTH OF CURVE          | VPC     | VERTICAL POINT OF CURVATURE    |
| LT     | LEFT                     | VPI     | VERTICAL POINT OF INTERSECTION |
| LVC    | LENGTH OF VERTICAL CURVE | VPT     | VERTICAL POINT OF TANGENCY     |
| MAX    | MAXIMUM                  | W       | WEST                           |
| MIN    | MINIMUM                  | TRM     | TURF REINFORCEMENT MAT         |
| N      | NORTH, NORTHING          |         |                                |
| NO.    | NUMBER                   |         |                                |
| NTS    | NOT TO SCALE             |         |                                |
| PC     | POINT OF CURVATURE       |         |                                |
| POT    | POINT ON TANGENT         |         |                                |

*MS 11/30/23*

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 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  SGY DYEA ROAD #00049 - DEC 20 SE PR  <b>LEGEND</b>
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	A3	38

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-E6	DETAILS
F1-F7	PLAN AND PROFILE
H1	SIGN SUMMARY AND STRIPING DETAILS
Q1-Q7	EROSION SEDIMENT CONTROL PLANS
S1	CONSTRUCTION PHASING
T1	PERMANENT CONSTRUCTION SIGNS
T2	TEMPORARY TRAFFIC CONTROL

THE FOLLOWING STANDARD PLANS APPLY:  
 C-06.00  
 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. RIGHT-OF-WAY LINES SHOWN ON THE PLANS ARE BASED ON PROJECT NO. HHE-0997(7) AND WERE INSERTED USING A COMMON COORDINATE SYSTEM. THE LOCATION OF THE ROW LINES HAVE NOT BEEN SURVEYED. WHERE RIGHT-OF-WAY LINES ARE NOT SHOWN ON THE PLANS, ROW LIMITS ARE BASED ON A BUREAU OF LAND MANAGEMENT LAND GRANT AND HAVE NEVER BEEN MAPPED. ROW LIMITS ARE APPROXIMATELY 50 FEET FROM THE DYEA ROAD CENTERLINE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ALL REASONABLE EFFORT TO STAY WITHIN THE RIGHT OF WAY.

*MS 11/30/23*

<p>PLANS DEVELOPED BY:          HDR ENGINEERING, INC.          582 E 36TH AVE STE 500          ANCHORAGE, AK 99503-4169          (907) 644-2000          CERT. OF AUTH. AECC569</p>		<p>STATE OF ALASKA DEPARTMENT OF TRANSPORTATION          AND PUBLIC FACILITIES</p> <p>SGY DYEA ROAD #00049 -          DEC 20 SE PR</p> <p>LAYOUT AND INDEX OF SHEETS</p>
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DESIGNED: J.PAPOI  
 CHECKED: E.PEDERSEN  
 DRAFTED: J.PAPOI  
 XREFS:  
 SCALE:  
 LAYOUT: A2  
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 TIME:  
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**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.

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	A4	38

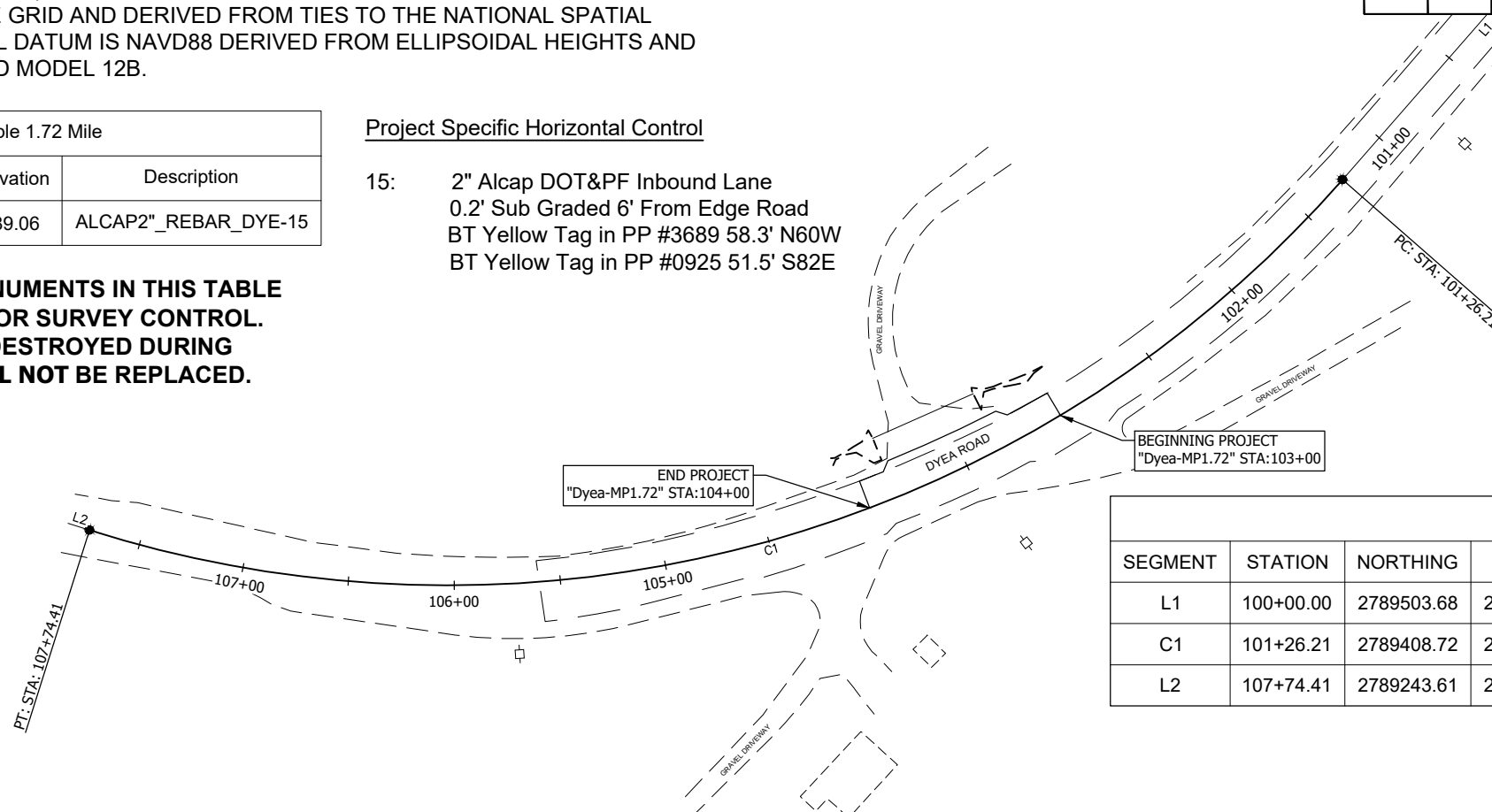
Point #	Northing	Easting	Elevation	Description
15	2789283.96	2376374.92	289.06	ALCAP2" REBAR_DYE-15

**Project Specific Horizontal Control**

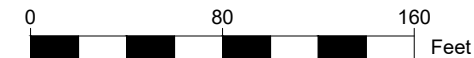
15: 2" Alcap DOT&PF Inbound Lane  
 0.2' Sub Graded 6' From Edge Road  
 BT Yellow Tag in PP #3689 58.3' N60W  
 BT Yellow Tag in PP #0925 51.5' S82E

**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.**

15



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			



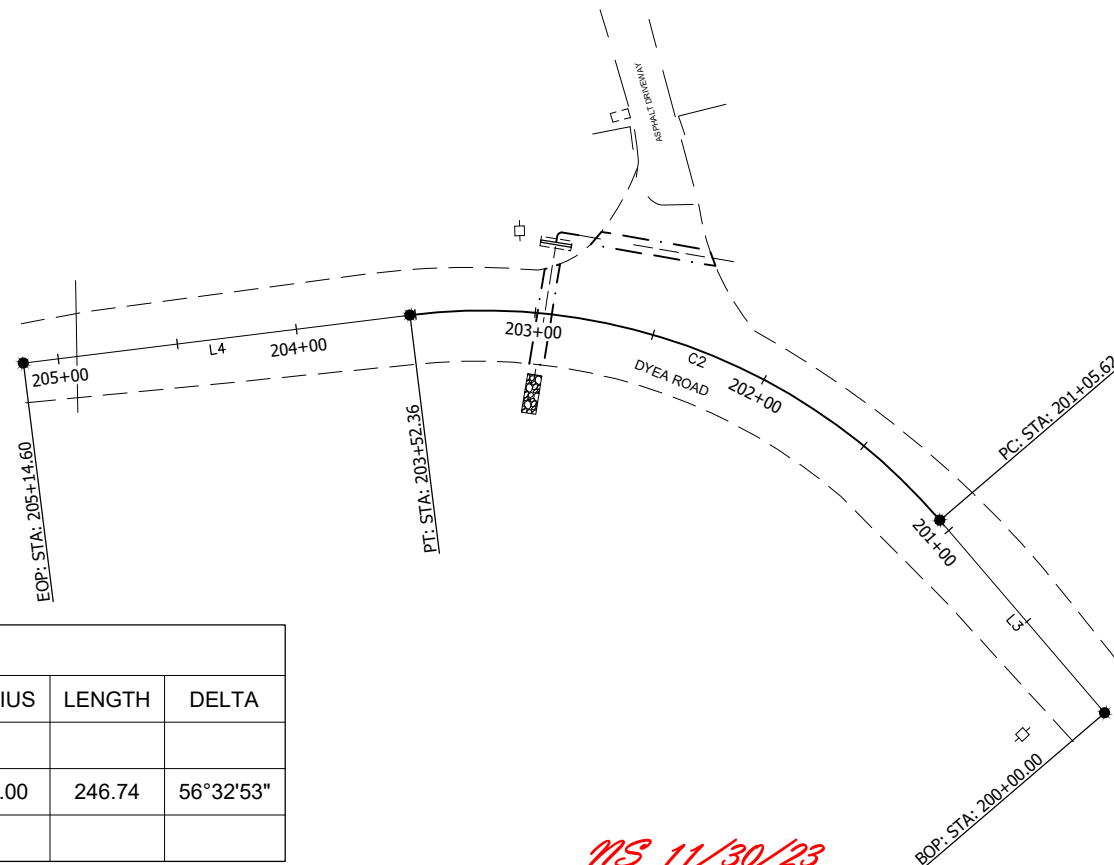
Point #	Northing	Easting	Elevation	Description
18	2790167.67	2375674.26	238.09	ALCAP2"/REBAR_DYE-18

**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

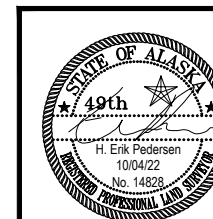
18



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			



MS 11/30/23



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

SGY: DYE A ROAD #00049  
 DEC 20 SE PR

SURVEY CONTROL

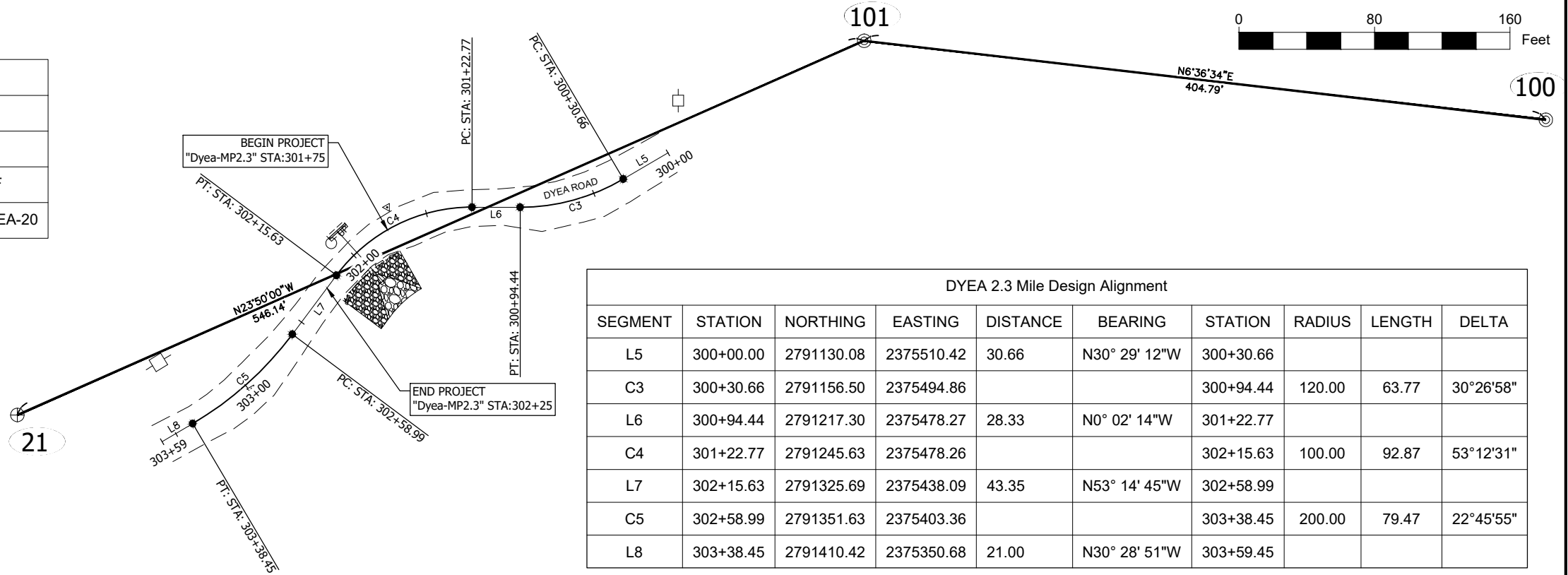
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 CHECKED: E. PEDERSEN  
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	A5	38

**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.

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_DYE-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 DYE-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

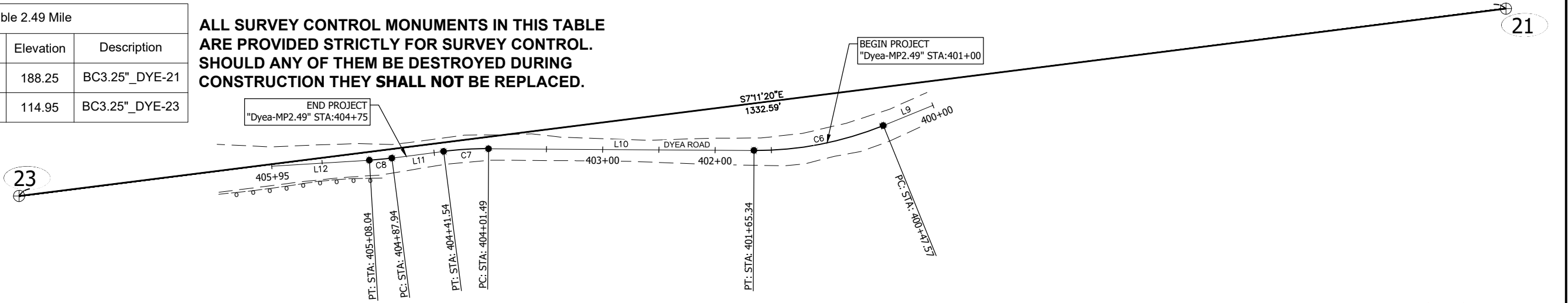


SEGMENT	STATION	NORTHING	EASTING	DISTANCE	BEARING	STATION	RADIUS	LENGTH	DELTA
L5	300+00.00	2791130.08	2375510.42	30.66	N30° 29' 12"W	300+30.66			
C3	300+30.66	2791156.50	2375494.86			300+94.44	120.00	63.77	30°26'58"
L6	300+94.44	2791217.30	2375478.27	28.33	N0° 02' 14"W	301+22.77			
C4	301+22.77	2791245.63	2375478.26			302+15.63	100.00	92.87	53°12'31"
L7	302+15.63	2791325.69	2375438.09	43.35	N53° 14' 45"W	302+58.99			
C5	302+58.99	2791351.63	2375403.36			303+38.45	200.00	79.47	22°45'55"
L8	303+38.45	2791410.42	2375350.68	21.00	N30° 28' 51"W	303+59.45			

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



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+65.34	300.00	117.77	22°29'31"
L10	401+65.34	2792182.43	2375229.52	236.15	N0° 21' 08"E	404+01.49			
C7	404+01.49	2792418.57	2375230.97			404+41.54	300.00	40.05	7°38'57"
L11	404+41.54	2792458.52	2375228.55	46.40	N7° 17' 50"W	404+87.94			
C8	404+87.94	2792504.55	2375222.65			405+08.04	300.00	20.10	3°50'17"
L12	405+08.04	2792524.55	2375220.77	86.92	N3° 27' 33"W	405+94.96			

MS 11/30/23

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

**SGY: DYE ROAD #00049  
 DEC 20 SE PR  
 SURVEY CONTROL**

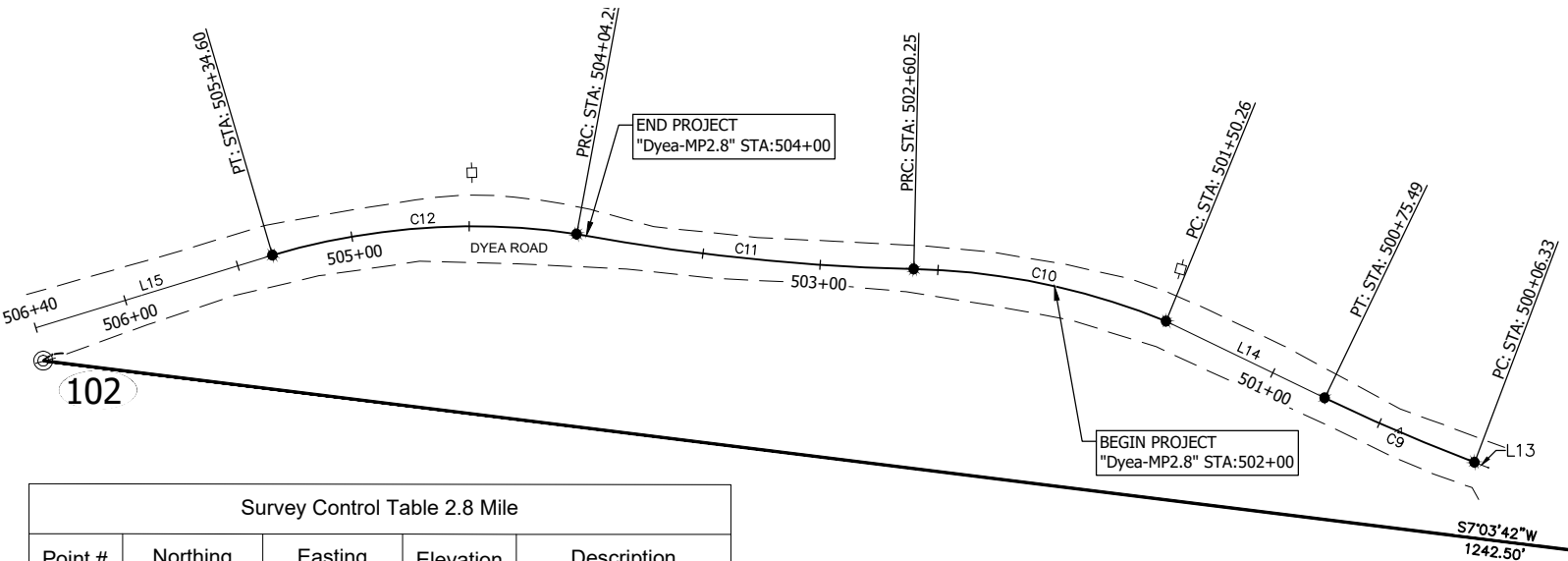
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**HORIZONTAL AND VERTICAL CONTROL STATEMENT:**

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.

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	A6	38

SEGMENT	STATION	NORTHING	EASTING	DISTANCE	BEARING	STATION	RADIUS	LENGTH	DELTA
L13	500+00.00	2793455.76	2375296.39	6.33	N20° 47' 10"E	500+06.33			
C9	500+06.33	2793461.67	2375298.63			500+75.49	800.00	69.17	4°57'13"
L14	500+75.49	2793525.20	2375325.94	74.77	N25° 44' 23"E	501+50.26			
C10	501+50.26	2793592.54	2375358.41			502+60.25	300.00	110.00	21°00'28"
C11	502+60.25	2793699.65	2375380.58			504+04.25	900.00	144.00	9°10'02"
C12	504+04.25	2793842.73	2375395.43			505+34.60	300.00	130.35	24°53'39"
L15	505+34.60	2793971.74	2375386.47	105.13	N17° 01' 08"W	506+39.73			

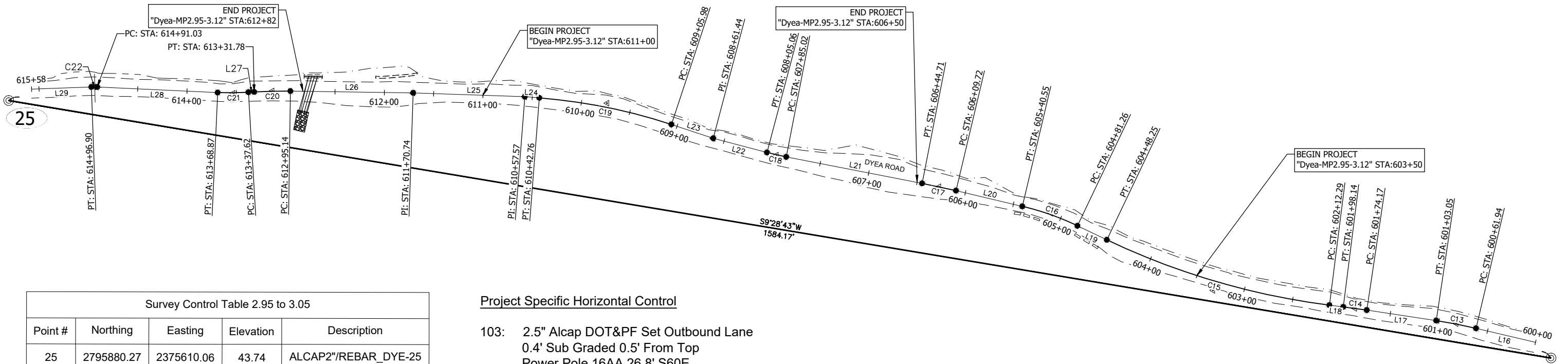
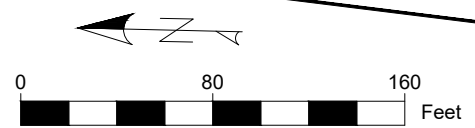


Point #	Northing	Easting	Elevation	Description
23	2792836.01	2375188.99	114.95	BC3.25\"_DYE-23
102	2794069.09	2375341.74	99.08	ALCAP2\"_DOT&PF

**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

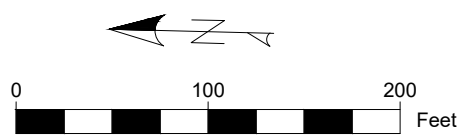


Point #	Northing	Easting	Elevation	Description
25	2795880.27	2375610.06	43.74	ALCAP2\"REBAR_DYE-25
103	2794317.73	2375349.18	93.18	ALCAP2\"_DOT&PF

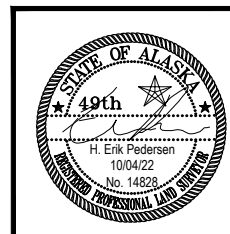
**Project Specific Horizontal Control**

- 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

**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.**



*MS 11/30/23*



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

SGY: DYEA ROAD #00049  
 DEC 20 SE PR  
 SURVEY CONTROL

DRAWING LOCATION: c:\sgy\SDRER00318\SV\SOURCE DWGS\BASEMAP\Dyea\_SCS\_032922.dwg  
 DATE TIME: 10/31/2022 16:43  
 LAYOUT: AS  
 SCALE:  
 XREFS:  
 DESIGNED: J.PAPOI  
 CHECKED: E.PEDERSEN  
 DRAFTED: J.PAPOI

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	A7	38

DYE A 2.95 to 3.05 Mile Design Alignment									
SEGMENT	STATION	NORTHING	EASTING	DISTANCE	BEARING	STATION	RADIUS	LENGTH	DELTA
L16	600+00.00	2794333.45	2375365.08	61.94	N13° 17' 26"E	600+61.94			
C13	600+61.94	2794393.72	2375379.31			601+03.05	500.00	41.12	4°42'42"
L17	601+03.05	2794434.08	2375387.11	71.11	N8° 34' 43"E	601+74.17			
C14	601+74.17	2794504.40	2375397.72			601+98.14	1000.00	23.98	1°22'25"
L18	601+98.14	2794528.15	2375401.01	14.15	N7° 12' 18"E	602+12.29			
C15	602+12.29	2794542.18	2375402.78			604+48.25	740.00	235.96	18°16'10"
L19	604+48.25	2794767.65	2375468.89	33.01	N25° 28' 28"E	604+81.26			
C16	604+81.26	2794797.45	2375483.08			605+40.55	280.00	59.30	12°08'03"
L20	605+40.55	2794853.28	2375502.75	69.17	N13° 20' 25"E	606+09.72			
C17	606+09.72	2794920.58	2375518.71			606+44.71	860.00	34.99	2°19'52"
L21	606+44.71	2794954.78	2375526.09	140.31	N11° 00' 33"E	607+85.02			
C18	607+85.02	2795092.51	2375552.88			608+05.06	300.00	20.04	3°49'40"
L22	608+05.06	2795112.04	2375557.37	56.37	N14° 50' 14"E	608+61.44			
L23	608+61.44	2795166.53	2375571.80	44.54	N18° 18' 11"E	609+05.98			
C19	609+05.98	2795208.82	2375585.79			610+42.76	566.00	136.78	13°50'45"
L24	610+42.76	2795342.58	2375612.71	14.81	N4° 27' 26"E	610+57.57			
L25	610+57.57	2795357.35	2375613.86	113.17	N1° 57' 33"E	611+70.74			
L26	611+70.74	2795470.45	2375617.73	124.40	N0° 49' 54"E	612+95.14			
C20	612+95.14	2795594.84	2375619.54			613+31.78	500.00	36.64	4°11'57"
L27	613+31.78	2795631.47	2375618.73	5.84	N3° 22' 03"W	613+37.62			
C21	613+37.62	2795637.30	2375618.38			613+68.87	300.00	31.25	5°58'02"
L28	613+68.87	2795668.53	2375618.17	122.16	N2° 35' 59"E	614+91.03			
C22	614+91.03	2795790.56	2375623.72			614+96.90	72.00	5.87	4°40'04"
L29	614+96.90	2795796.43	2375623.74	60.63	N2° 04' 05"W	615+57.53			

**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.

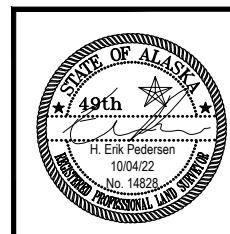
2. WHETHER LISTED OR NOT, ALL PROPERTY MONUMENTS, PROPERTY MARKERS, CORNERS OR ACCESSORIES WHICH WILL BE DISTURBED OR BURIED SHALL BE REFERENCED PRIOR TO BEING DISTURBED, AND RE-ESTABLISHED IN THEIR ORIGINAL HORIZONTAL POSITION AND A RECORD OF MONUMENT FORM IN ACCORDANCE WITH (A.S.34.65.040) AND (A.S.19.10.260) 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.

*MS 11/30/23*

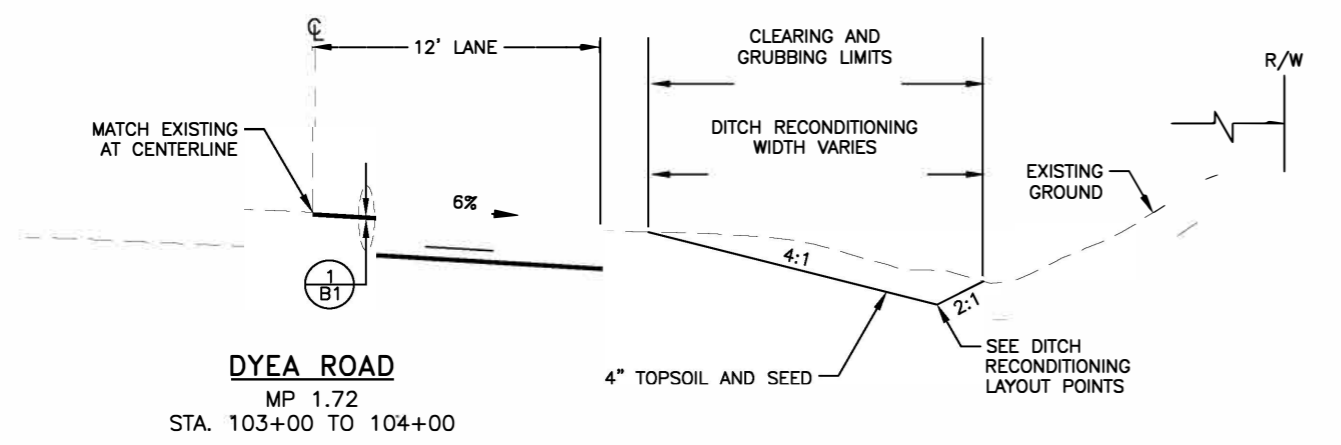


STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 6860 Glacier Highway Juneau Ak. 99801  
 (907) 465-1763

SGY: DYE A ROAD #00049  
 DEC 20 SE PR  
 SURVEY CONTROL

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	B1	38

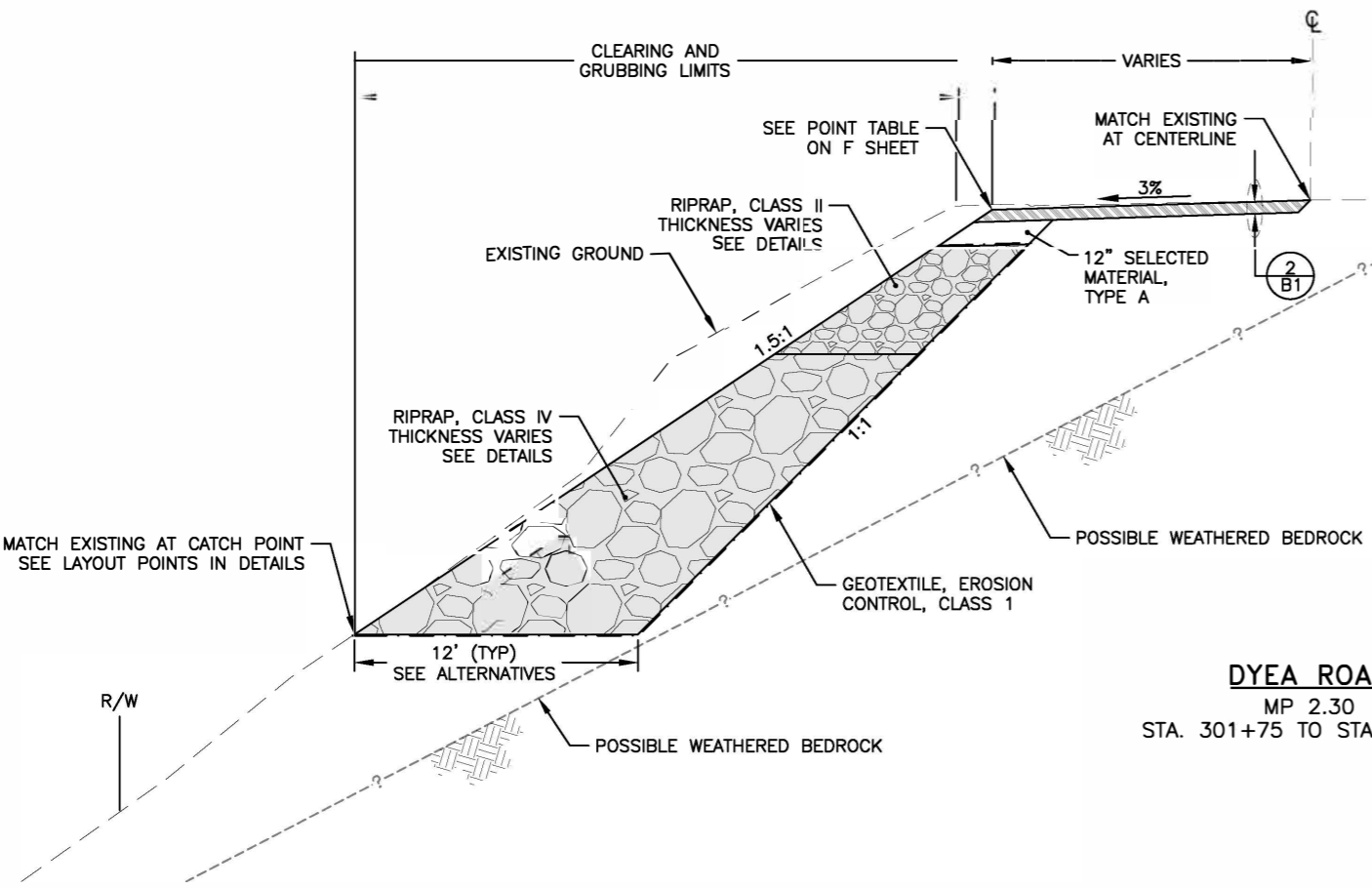
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 STORED  
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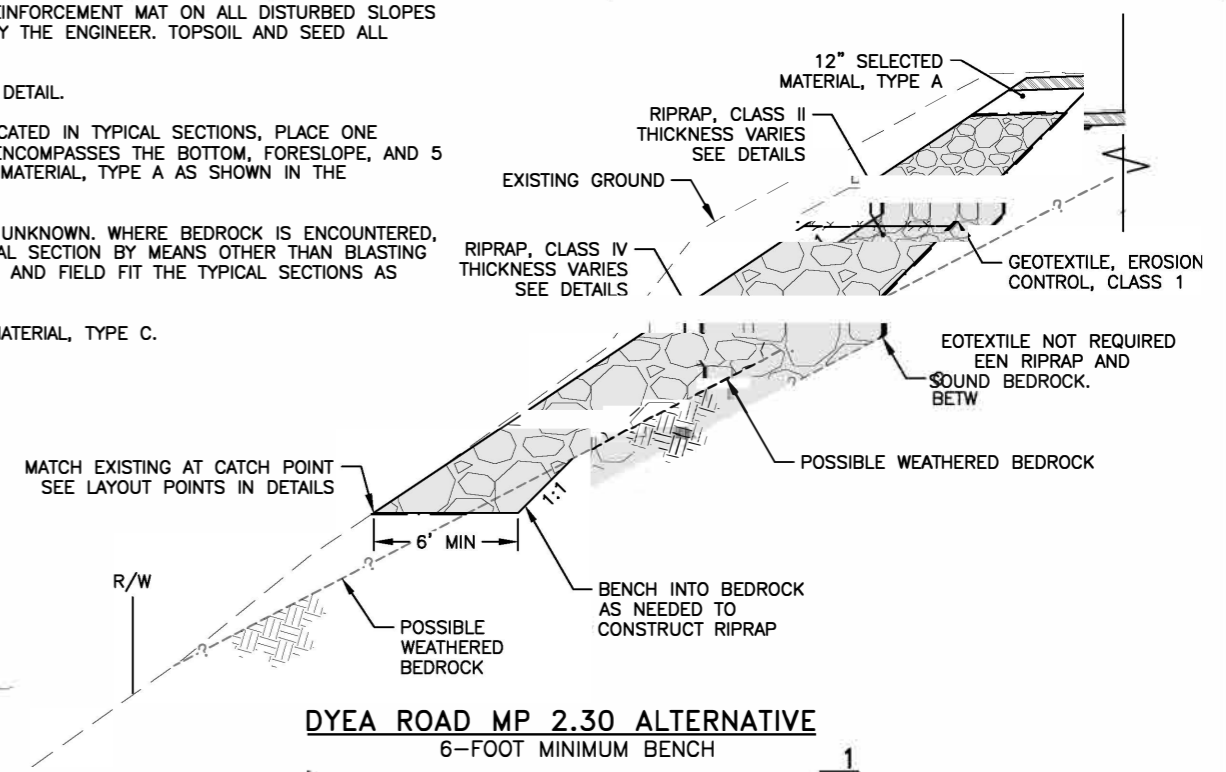
**DYEA ROAD**  
MP 1.72  
STA. 103+00 TO 104+00

**NOTES:**

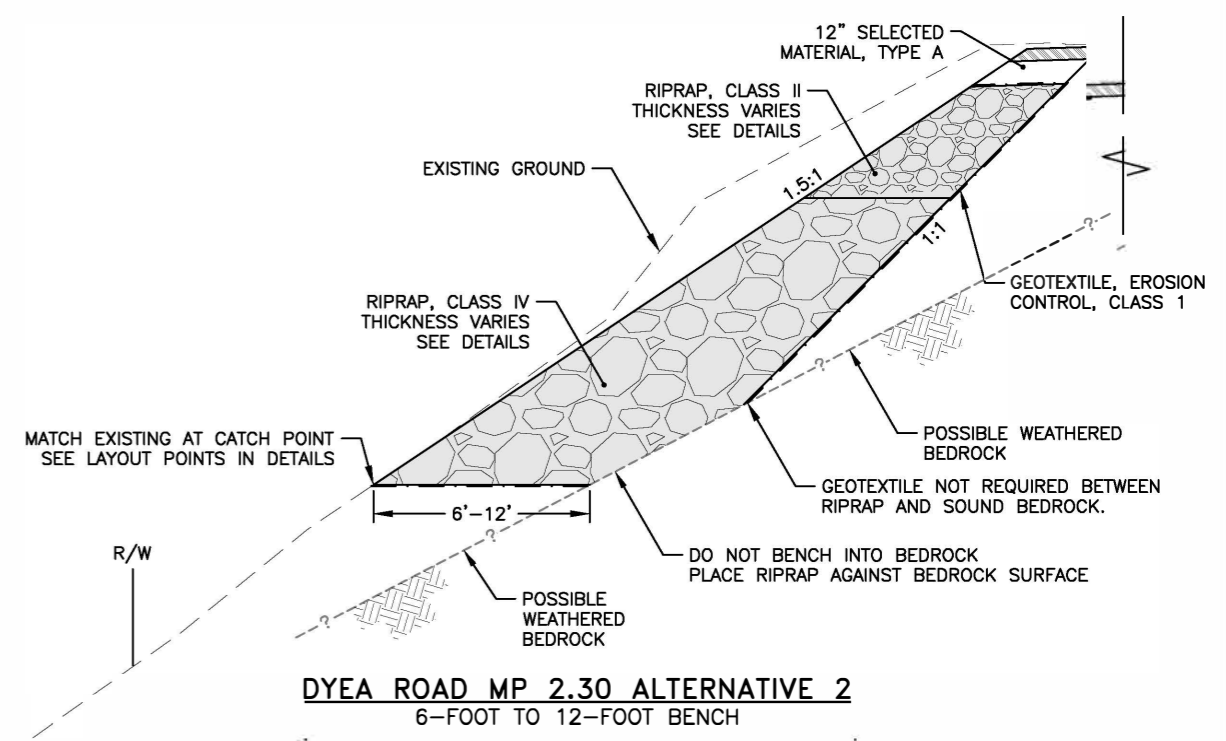
1. AT FINAL STABILIZATION, PLACE TURF REINFORCEMENT MAT ON ALL DISTURBED SLOPES STEEPER THAN 2:1 AND AS DIRECTED BY THE ENGINEER. TOPSOIL AND SEED ALL DISTURBED SOIL SLOPES.
2. SEE E SHEETS FOR DIGOUT TRANSITION DETAIL.
3. WHERE WRAPPED FACE GEOGRID IS INDICATED IN TYPICAL SECTIONS, PLACE ONE CONTINUOUS 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.
4. PRESENCE AND DEPTH OF BEDROCK IS UNKNOWN. WHERE BEDROCK IS ENCOUNTERED, REMOVE ROCK AS SHOWN IN THE TYPICAL SECTION BY MEANS OTHER THAN BLASTING TO THE SATISFACTION OF THE ENGINEER AND FIELD FIT THE TYPICAL SECTIONS AS DIRECTED BY THE ENGINEER.
5. FILL VOIDS IN RIPRAP WITH SELECTED MATERIAL, TYPE C.



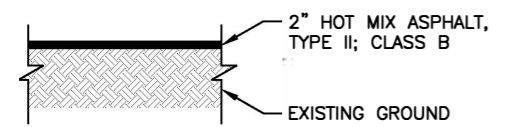
**DYEA ROAD**  
MP 2.30  
STA. 301+75 TO STA. 302+25



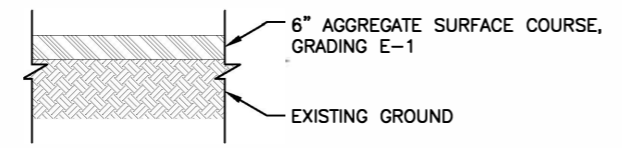
**DYEA ROAD MP 2.30 ALTERNATIVE 1**  
6-FOOT MINIMUM BENCH



**DYEA ROAD MP 2.30 ALTERNATIVE 2**  
6-FOOT TO 12-FOOT BENCH



**STRUCTURAL SECTION NO. 1**  
NTS  
ALTERNATIVE STRUCTURAL SECTION AND MATERIALS MAY BE PROPOSED BY THE CONTRACTOR. SEE SPECIFICATIONS SECTION 104-1.06.



**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



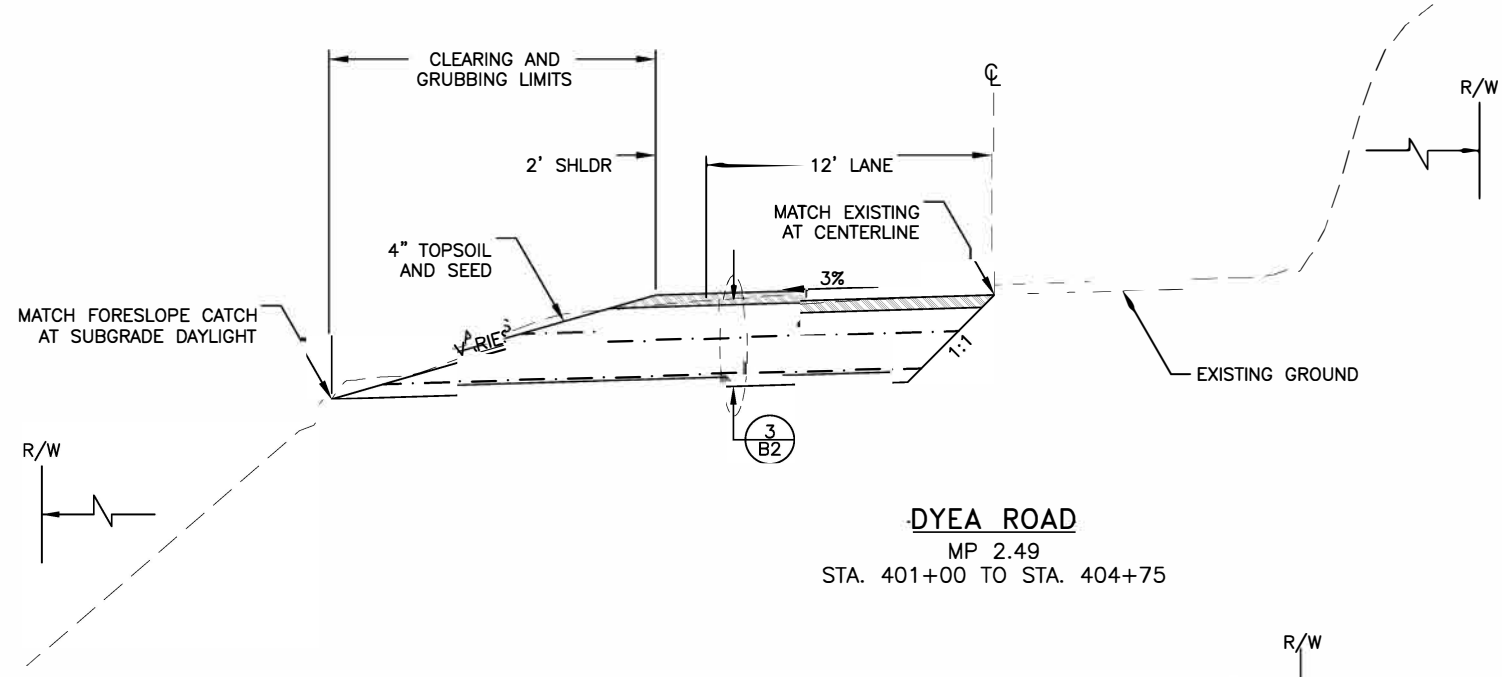
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SGY DYEA ROAD #00049  
DEC 20 SE PR  
TYPICAL SECTIONS

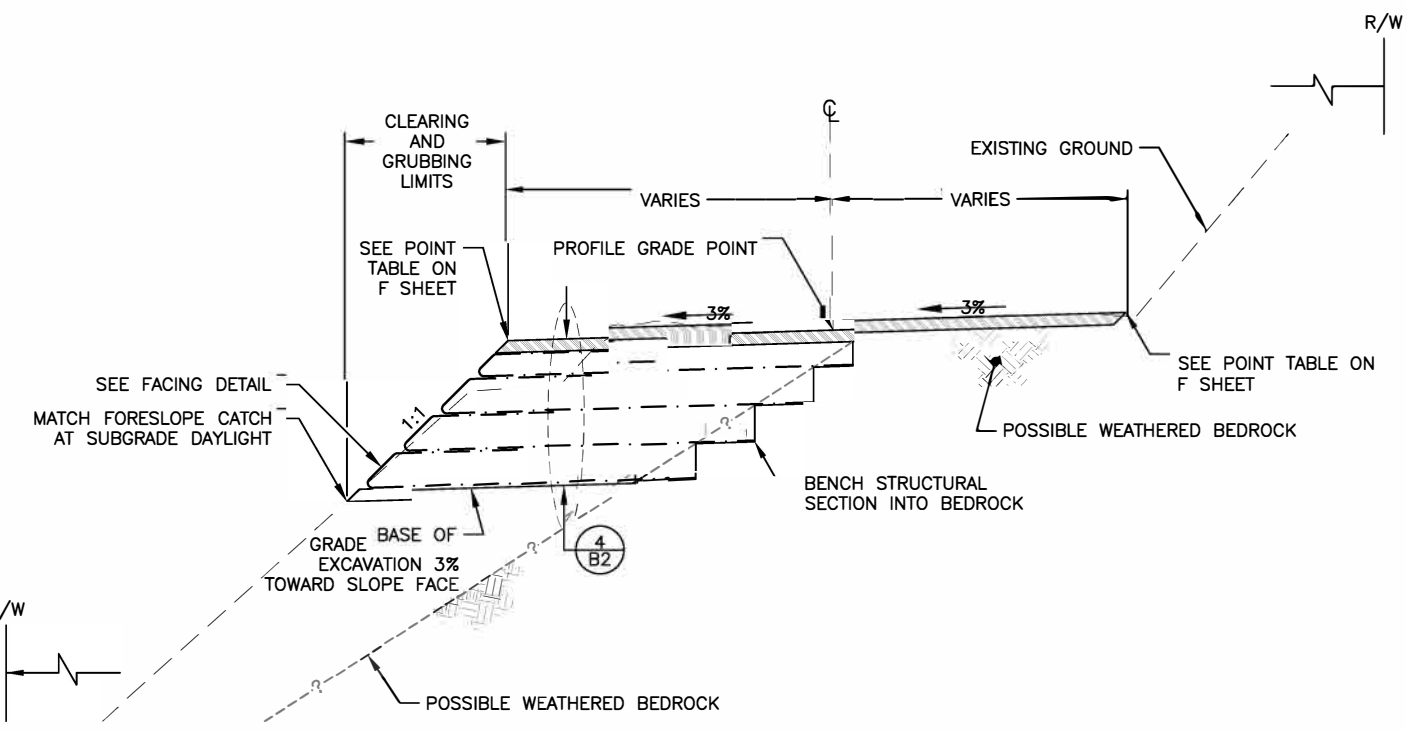
MS 11/30/23

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	B2	38

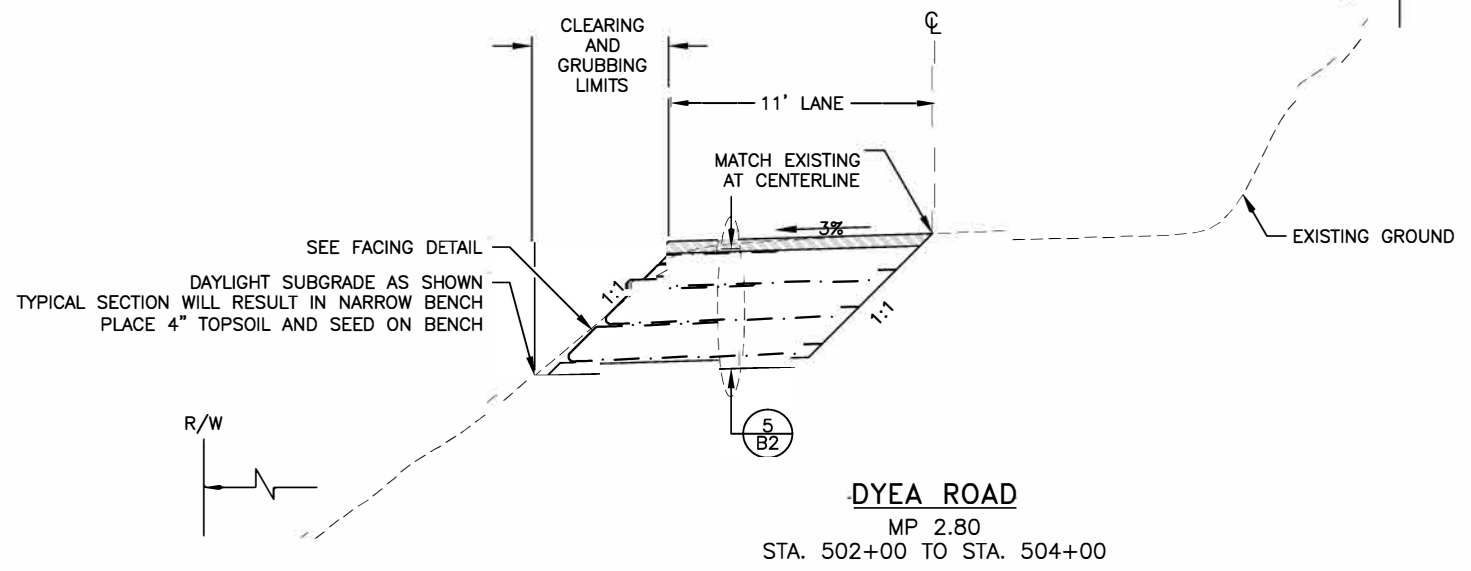
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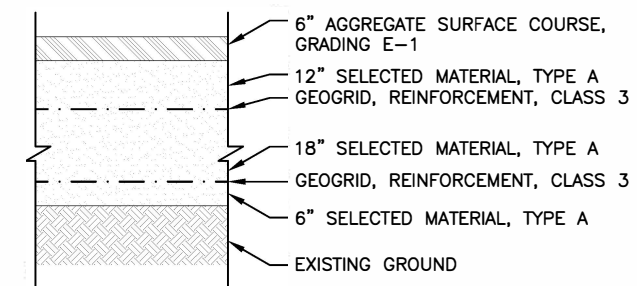
**DYEA ROAD**  
MP 2.49  
STA. 401+00 TO STA. 404+75



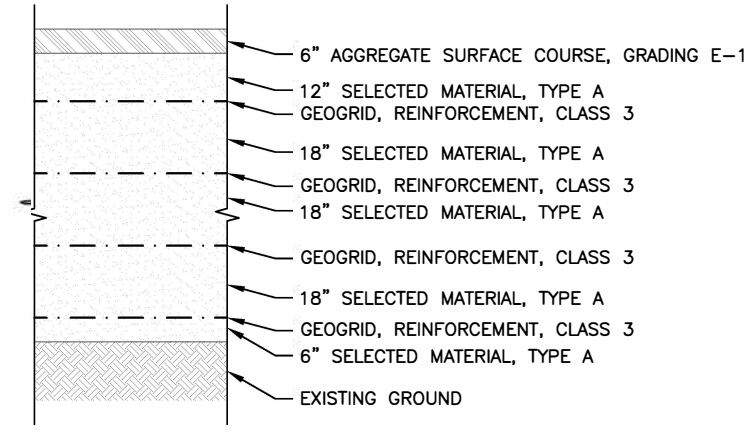
**DYEA ROAD**  
MP 2.95-3.05  
STA. 603+50 TO STA. 606+50



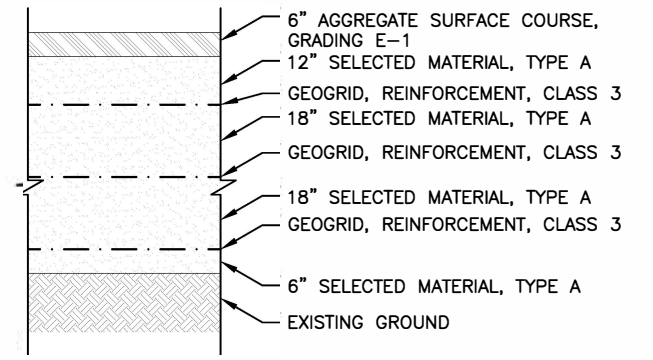
**DYEA ROAD**  
MP 2.80  
STA. 502+00 TO STA. 504+00



**3**  
B2  
STRUCTURAL SECTION NO. 3  
NTS



**4**  
B2  
STRUCTURAL SECTION NO. 4  
NTS



**5**  
B2  
STRUCTURAL SECTION NO. 5  
NTS

*MS 11/30/23*

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

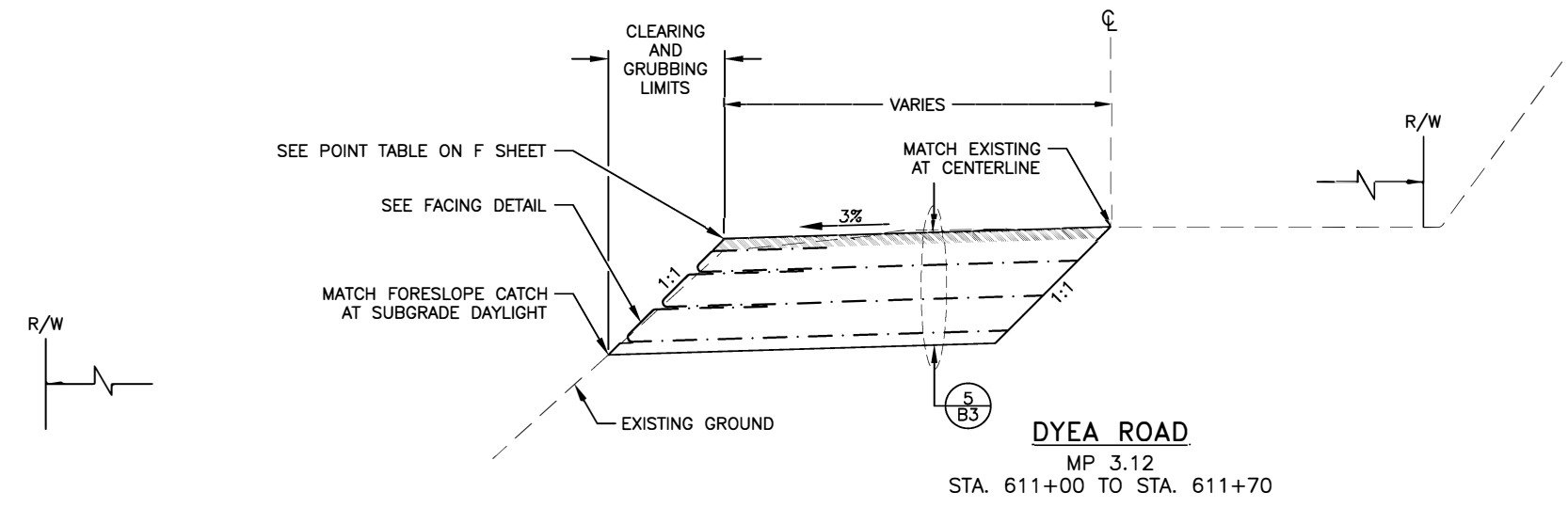


STATE OF ALASKA DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES

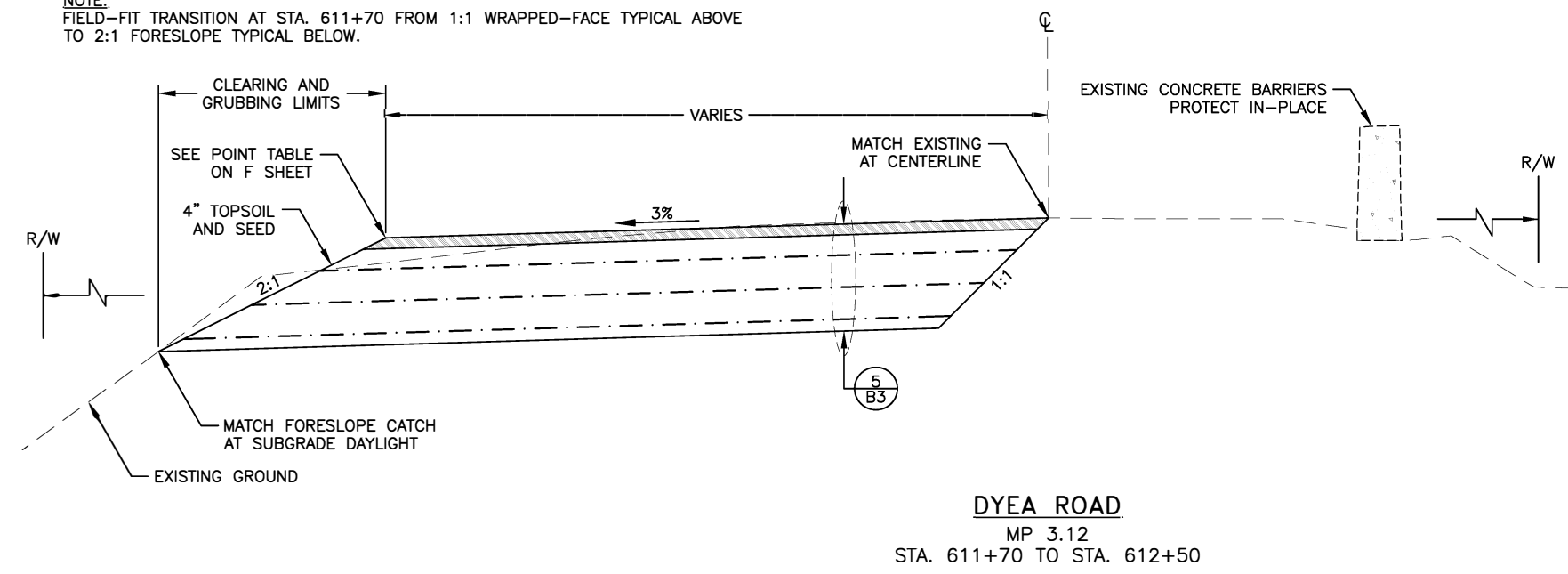
SGY DYEA ROAD #00049  
DEC 20 SE PR  
TYPICAL SECTIONS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	B3	38

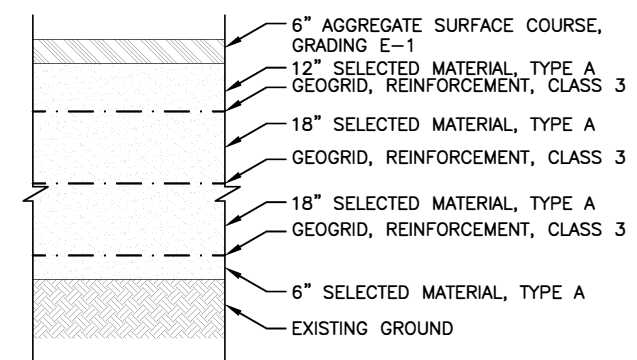
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 DATE 10/11/2022 12:43 LAYOUT B3  
 DESIGNED  
 CHECKED  
 DRAFTED



**NOTE:**  
FIELD-FIT TRANSITION AT STA. 611+70 FROM 1:1 WRAPPED-FACE TYPICAL ABOVE TO 2:1 FORESLOPE TYPICAL BELOW.



*MS 11/30/23*



**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 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	38

FILE c:\pwork\eng\west\01\22438244\00410.C1\ESTIMATE OF QUANTITIES.dwg DATE 10/11/2022 11:36 LAYOUT C1 DESIGNED CHECKED DRAFTED


### 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	0.01	--	0.03	0.14	0.04	0.08	0.06	--	0.36
202.0001.0000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LUMP SUM	--	--	ALL REQUIRED	--	--	ALL REQUIRED	--	--	ALL REQUIRED
202.0002.0000	REMOVAL OF PAVEMENT	SQUARE YARD	143	--	--	--	--	--	--	--	143
202.0004.0000	REMOVAL OF CULVERT PIPE	LINEAR FOOT	--	122	45	--	--	--	--	77	244
203.0003.0000	UNCLASSIFIED EXCAVATION	CUBIC YARD	3	137	257	962	364	796	480	--	2,999
203.0006.000A	BORROW, TYPE A	TON	--	280	4	1470	457	1370	838	--	4,419
301.0003.00E1	AGGREGATE SURFACE COURSE, GRADING E-1	TON	--	20	25	190	79	305	135	--	754
303.2003.0000	DITCH RECONDITIONING	LINEAR FOOT	61	13	--	--	--	--	--	25	99
401.0001.002B	HMA, TYPE II; CLASS B	TON	20	--	--	--	--	--	--	--	20
401.0004.5828	ASPHALT BINDER, GRADE PG 58-28	TON	1	--	--	--	--	--	--	--	1
501.2007.0002	HEADWALL, TYPE II	EACH	--	1	1	--	--	--	--	1	3
603.0009.0024	CORRUGATED ALUMINUM PIPE 24 INCH	LINEAR FOOT	--	66	--	--	--	--	--	--	66
603.0009.0036	CORRUGATED ALUMINUM PIPE 36 INCH	LINEAR FOOT	--	56	40	--	--	--	--	81	177
611.0001.0002	RIPRAP, CLASS II	CUBIC YARD	--	13	30	--	--	--	--	29	72
611.0001.0004	RIPRAP, CLASS IV	CUBIC YARD	--	--	139	--	--	--	--	--	139
615.0001.0000	STANDARD SIGN	SQUARE FOOT	--	--	--	--	--	2.5	--	--	2.5
616.0004.0000	THAW WIRE INSTALLATION	EACH	--	1	1	--	--	--	--	--	2
618.0002.0000	SEEDING	POUND	0.4	1.2	1.0	8.7	2.9	3.1	1.6	--	18.9
619.2002.0000	TURF REINFORCEMENT MAT	SQUARE YARD	--	--	--	--	395	759	80	--	1,234
620.0001.0000	TOPSOIL	SQUARE YARD	28	87	69	648	217	226	121	--	1,396
631.0002.0001	GEOTEXTILE, EROSION CONTROL, CLASS 1	SQUARE YARD	--	20	151	--	--	--	--	44	215
634.0002.0000	GEOGRID, REINFORCEMENT, CLASS 3	SQUARE YARD	--	--	--	1492	918	2152	1026	--	5,588

### BASIS OF ESTIMATE

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

MS 11/30/23

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 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  SGY DYEA ROAD #00049 - DEC 20 SE PR  ESTIMATE OF QUANTITIES
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	C2	38

**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
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
640.0004.0000	WORKER MEALS AND LODGING, OR PER DIEM	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	4	8	16	8	8	8	4	8	64
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

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*MS 11/30/23*

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 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  SGY DYEA ROAD #00049 - DEC 20 SE PR  ESTIMATE OF QUANTITIES
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	D1	38

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 CHECKED  
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[201.0003.0000] CLEARING AND GRUBBING						
MP	SHEET	STATION		AREA (SY)	AREA (ACRES)	REMARKS
		FROM	TO			
1.72	F1	103+00	104+00	23	0.01	
2.3	F3	301+75	302+25	138	0.03	
2.49	F4	401+00	405+00	635	0.14	
2.80	F5	502+00	504+00	174	0.04	
2.95-3.05	F6	603+50	606+50	353	0.08	
3.12	F7	610+50	613+00	268	0.06	ROADWAY REPAIR
PAY ITEM QUANTITY:					0.36	

[202.0001.0000] REMOVAL OF STRUCTURES AND OBSTRUCTIONS						
MP	SHEET	STATION		OFFSET	QUANTITY	REMARKS
		FROM	TO			
2.30	F3	301+77	302+26	LT	5	SALVAGE PRECAST CONCRETE BLOCKS. DELIVER TO DOT&PF M&O YARD
2.95-3.05	F6	604+53	605+47	LT	9	
TOTAL:					14	
PAY ITEM QUANTITY:					ALL REQ'D	

[202.0002.0000] REMOVAL OF PAVEMENT					
MP	SHEET	STATION		PLAN AREA (YD <sup>2</sup> )	REMARKS
		FROM	TO		
1.72	F1	103+00	104+00	143	
PAY ITEM QUANTITY:				143	

[202.0004.0000] REMOVAL OF CULVERT PIPE					
MP	SHEET	STATION	OFFSET	LENGTH (FT)	REMARKS
2.00	F2	202+58	RT	66	
		202+96	CL	56	
2.30	F3	301+98	CL	45	
3.12	F7	612+74	CL	40	CULVERT REPAIR
		612+80	CL	37	
PAY ITEM QUANTITY:				244	

[303.2003.0000] DITCH RECONDITIONING						
MP	SHEET	STATION		OFFSET (LT/RT)	LENGTH (FT)	REMARKS
		FROM	TO			
1.72	F1	102+95	103+32	RT	37	
		103+86	104+10	RT	24	
2.00	F2	202+86	202+95	RT	13	
3.12	F7	612+60	612+85	RT	25	
PAY ITEM QUANTITY:					99	

[611.0001.0002] RIPRAP, CLASS II								
MP	SHEET	STATION	OFFSET	LENGTH (FT)	X-SECTION AREA (FT <sup>2</sup> )	VOLUME (FT <sup>3</sup> )	VOLUME (CY)	REMARKS
2.00	F2	202+98	LT	6	56	336	13	
2.30	F3	302+00	LT	34	24	816	30	
3.12	F7	612+82	LT	12	64	768	29	CULVERT REPAIR
PAY ITEM QUANTITY:							72	

[611.0001.0004] RIPRAP, CLASS IV								
MP	SHEET	STATION	OFFSET	LENGTH (FT)	X-SECTION AREA (FT <sup>2</sup> )	VOLUME (FT <sup>3</sup> )	VOLUME (CY)	REMARKS
2.30	F3	302+00	LT	34	110	3740	139	
PAY ITEM QUANTITY:							139	

[616.0004.0000] THAW WIRE INSTALLATION					
MP	SHEET	STATION	CULVERT	EACH	REMARKS
2.00	F2	202+58	P2-1	1	CONNECT TO EXISTING LOAD CENTER. SEE STANDARD PLAN D-13.10
2.30	F3	301+97	P3-1	1	CONNECT TO EXISTING LOAD CENTER. SEE STANDARD PLAN D-13.10
PAY ITEM QUANTITY:				2	

*MS 11/30/23*

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 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
 SGY DYEA ROAD #00049 -  
 DEC 20 SE PR  
 SUMMARY TABLES

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	D2	38

[618.0002.0000] SEEDING						
MP	SHEET	STATION		OFFSET	WEIGHT (LB)	REMARKS
		FROM	TO			
1.72	F1	103+00	104+00	RT	0.4	
2.0	F2	202+25	203+00	RT	1.2	
2.3	F3	301+75	302+25	LT/RT	1.0	
2.49	F4	401+00	404+75	LT	8.7	
2.80	F5	502+00	504+00	LT	2.9	
2.95-3.05	F6	603+50	606+50	LT	3.1	
3.12	F7	610+50	613+00	LT	1.6	ROADWAY REPAIR
PAY ITEM QUANTITY:					18.9	

[619.2002.0000] TURF REINFORCEMENT MAT							
MP	SHEET	STATION		LENGTH (FT)	WRAPPED WIDTH (FT)	AREA (YD <sup>2</sup> )	REMARKS
		FROM	TO				
2.8	F5	502+12	503+89	177	7.3	144	TOP WRAP
		502+25	503+79	153	8	136	2ND WRAP
		502+39	503+68	129	8	115	BOTTOM WRAP
2.95-3.05	F6	603+75	606+39	264	7.3	214	TOP WRAP
		603+96	606+29	233	8	207	2ND WRAP
		604+14	606+18	204	8	181	3RD WRAP
		604+30	606+07	177	8	157	BOTTOM WRAP
3.12	F7	611+20	611+70	50	7.3	41	TOP WRAP
		611+39	611+70	31	8	28	2ND WRAP
		611+58	611+70	12	8	11	BOTTOM WRAP
ROUNDED PAY ITEM QUANTITY:						1,234	


[620.0001.0000] TOPSOIL							
MP	SHEET	STATION		RAW 2D PLAN AREA (FT <sup>2</sup> )	WEIGHTED 3D AREA (FT <sup>2</sup> )	AREA (YD <sup>2</sup> )	REMARKS
		FROM	TO				
1.72	F1	103+00	104+00	205	246	28	
2.0	F2	202+25	203+00	650	780	87	
2.3	F3	301+75	302+25	517	620	69	
2.49	F4	401+00	404+75	4,859	5,831	648	
2.80	F5	502+00	504+00	1,447	1,953	217	
2.95-3.05	F6	603+50	606+50	1,507	2,034	226	
3.12	F7	610+50	613+00	906	1,087	121	ROADWAY REPAIR
ROUNDED PAY ITEM QUANTITY:						1,396	

[631.0002.0001] GEOTEXTILE, EROSION CONTROL, CLASS 1								
MP	SHEET	STATION		LENGTH (FT)	WRAPPED WIDTH (FT)	AREA (FT <sup>2</sup> )	AREA (YD <sup>2</sup> )	REMARKS
		FROM	TO					
2.0	F2	202+96	203+03	6	30	180	20	
2.3	F3	301+75	302+25	34	40	1360	151	
3.12	F7	612+76	612+87	12	33	396	44	CULVERT REPAIR
PAY ITEM QUANTITY:							215	

[634.0002.0000] GEOGRID, REINFORCEMENT, CLASS 3								
MP	SHEET	STATION		LENGTH (FT)	BOTTOM WIDTH (FT)	TOTAL WRAPPED WIDTH* (FT)	AREA (YD <sup>2</sup> )	REMARKS
		FROM	TO					
2.49	F4	401+19	404+64	345	18	N/A	690	TOP LAYER
		401+39	404+53	314	23	N/A	802	BOTTOM LAYER
2.8	F5	502+12	503+89	177	11	17	354	TOP WRAP
		502+25	503+79	153	11	17	306	2ND WRAP
		502+39	503+68	129	11	17	258	BOTTOM WRAP
2.95-3.05	F6	603+75	606+39	264	16	32	645	TOP WRAP. WIDTH VARIES, SEE PLANS
		603+96	606+29	233	16	31	595	2ND WRAP. WIDTH VARIES, SEE PLANS
		604+14	606+18	204	15	31	499	3RD WRAP. WIDTH VARIES, SEE PLANS
		604+30	606+07	177	14	31	413	BOTTOM WRAP. WIDTH VARIES, SEE PLANS
3.12	F7	611+20	611+70	50	17	23	128	TOP WRAP
		611+39	611+70	31	17	24	83	2ND WRAP
		611+58	611+70	12	17	24	32	BOTTOM WRAP
		611+70	612+49	79	33	N/A	290	TOP LAYER
		611+70	612+38	68	35	N/A	265	2ND LAYER
		611+70	612+27	57	36	N/A	228	BOTTOM LAYER
ROUNDED PAY ITEM QUANTITY:							5,588	

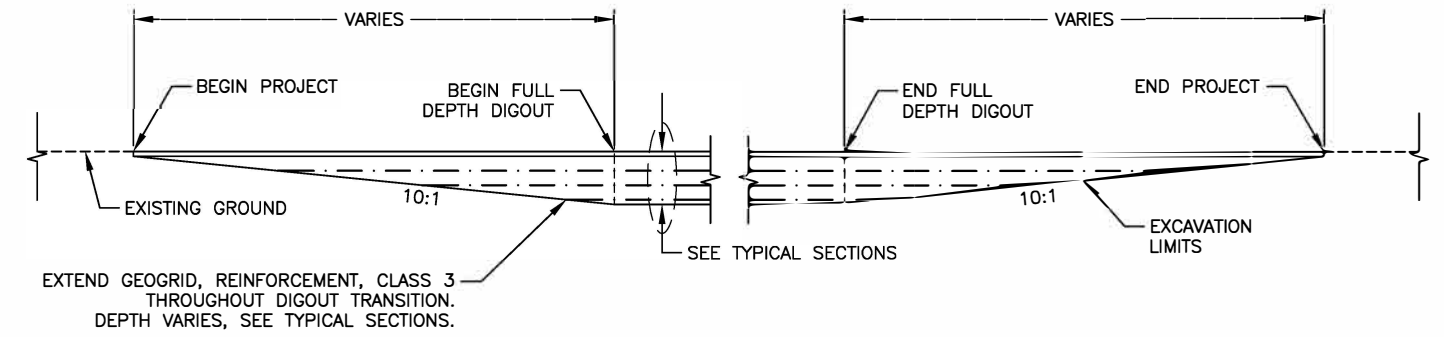
\*NOTE: MATERIAL WIDTHS PROVIDED IN THIS TABLE ARE BASED ON THE TYPICAL SECTIONS AND ARE FOR ESTIMATING PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING ACTUAL MATERIAL LENGTHS NEEDED TO ACHIEVE THE EMBEDMENT SHOWN ON THE TYPICAL SECTIONS AND MINIMUM TOP-WRAP WIDTH SHOWN IN THE DETAILS.

*MS 11/30/23*

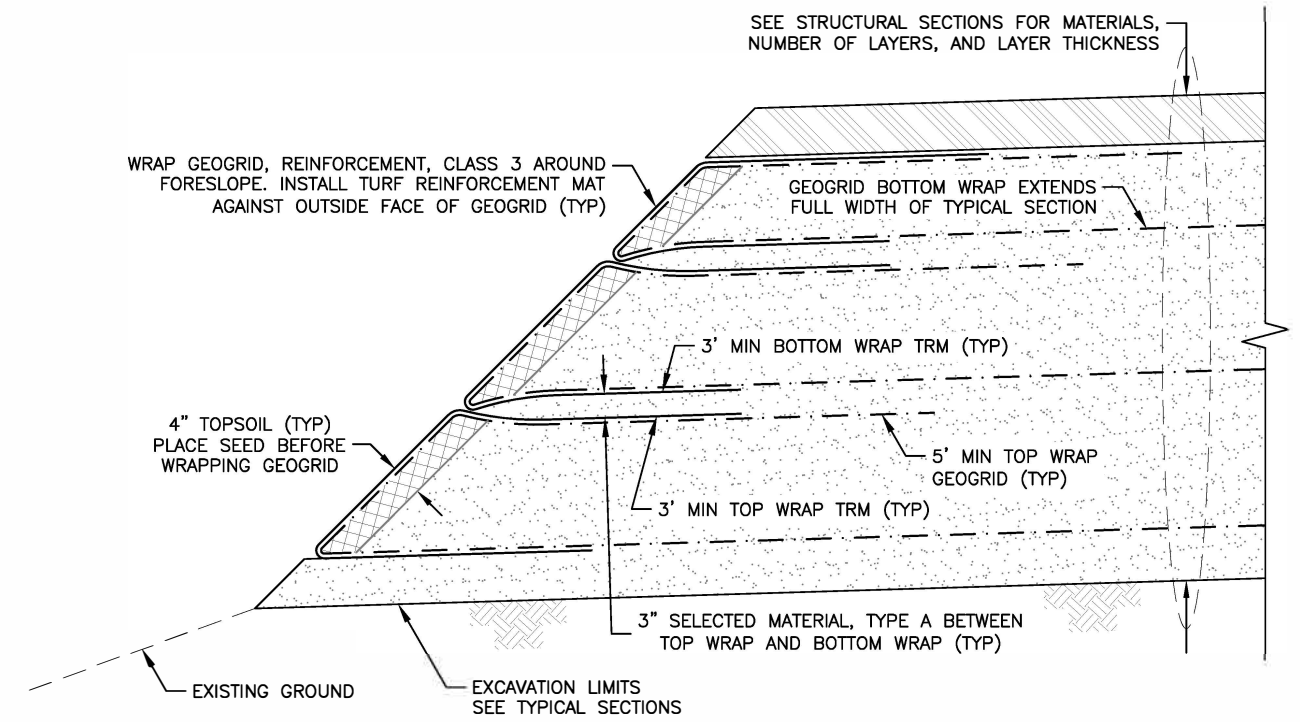
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	E1	38

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DIGOUT TRANSITION DETAIL



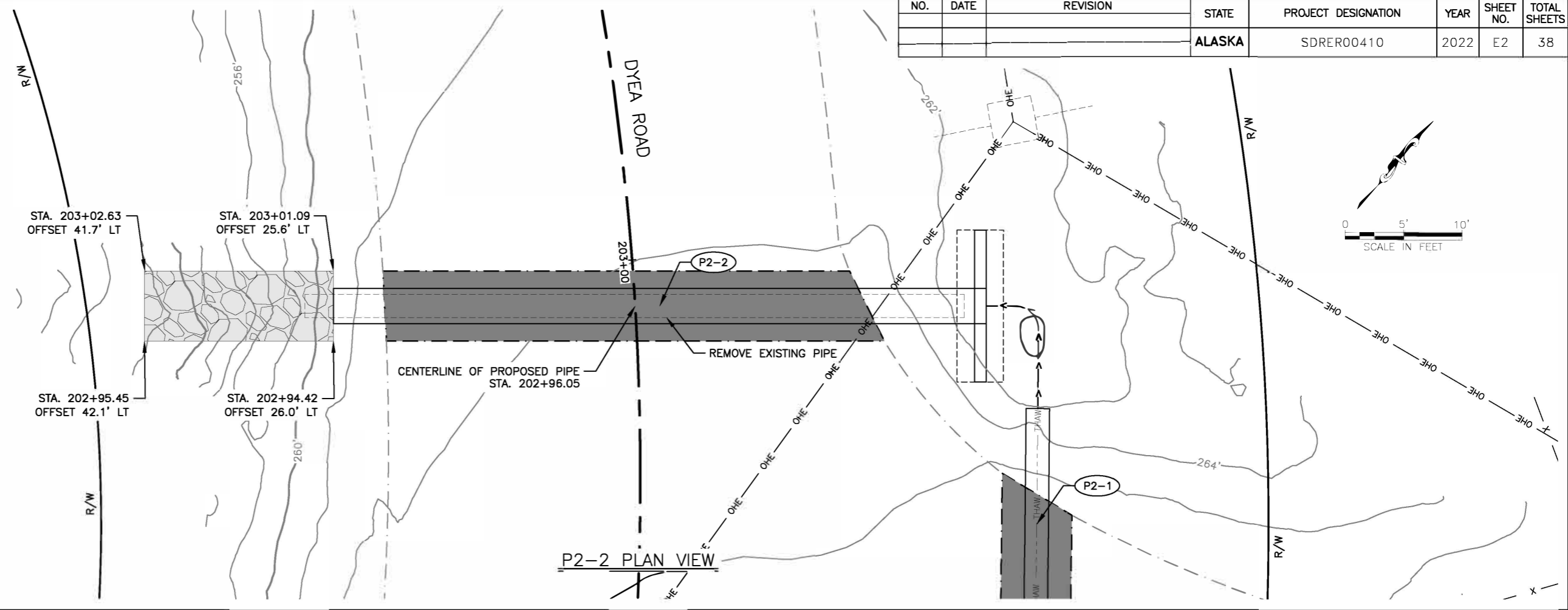
FACING DETAIL

- - - - - GEOGRID, REINFORCEMENT, CLASS 3  
 = TURF REINFORCEMENT MAT (TRM)

*MS 11/30/23*

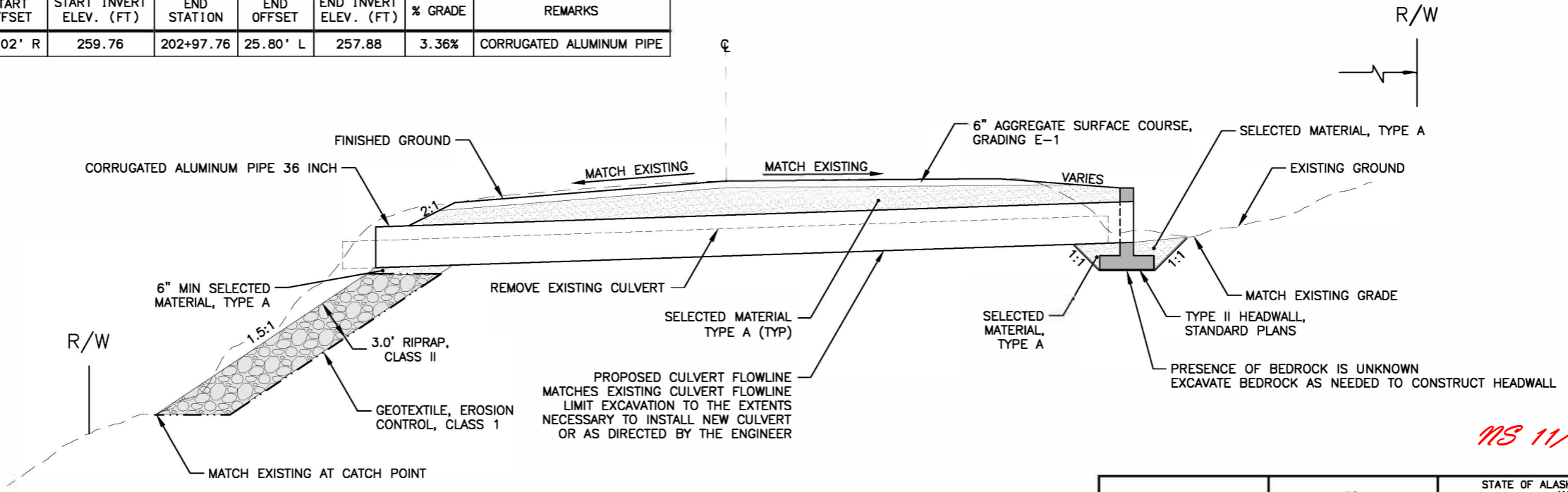
PLANS DEVELOPED BY: HDR ENGINEERING, INC. 582 E 36TH AVE STE 500 ANCHORAGE, AK 99503-4169 (907) 644-2000 CERT. OF AUTH. AECC569		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  SGY DYEA ROAD #00049 - DEC 20 SE PR  DIGOUT TRANSITION AND FACING DETAILS
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	E2	38



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
P2-2	36	55.94	202+94.46	30.02' R	259.76	202+97.76	25.80' L	257.88	3.36%	CORRUGATED ALUMINUM PIPE



P2-2 SECTION VIEW

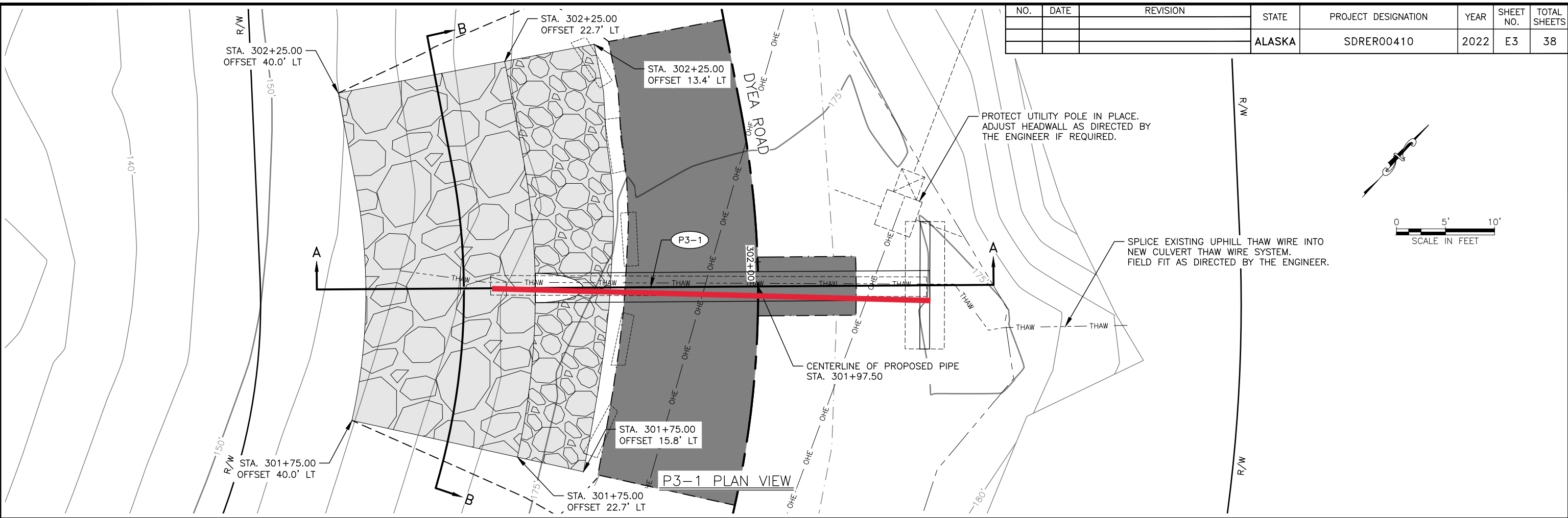
*MS 11/30/23*

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 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  SGY DYE A ROAD #00049 - DEC 20 SE PR  DYE A ROAD MP 2.0 P2-2 DETAILS
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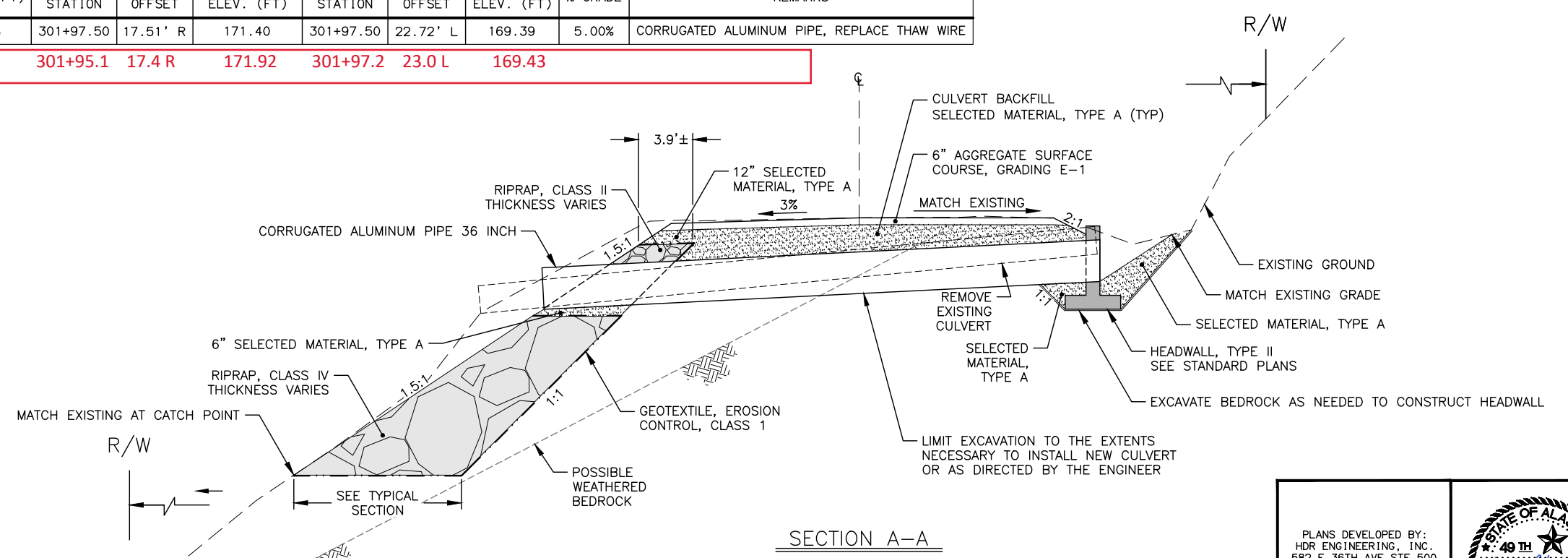
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	E3	38

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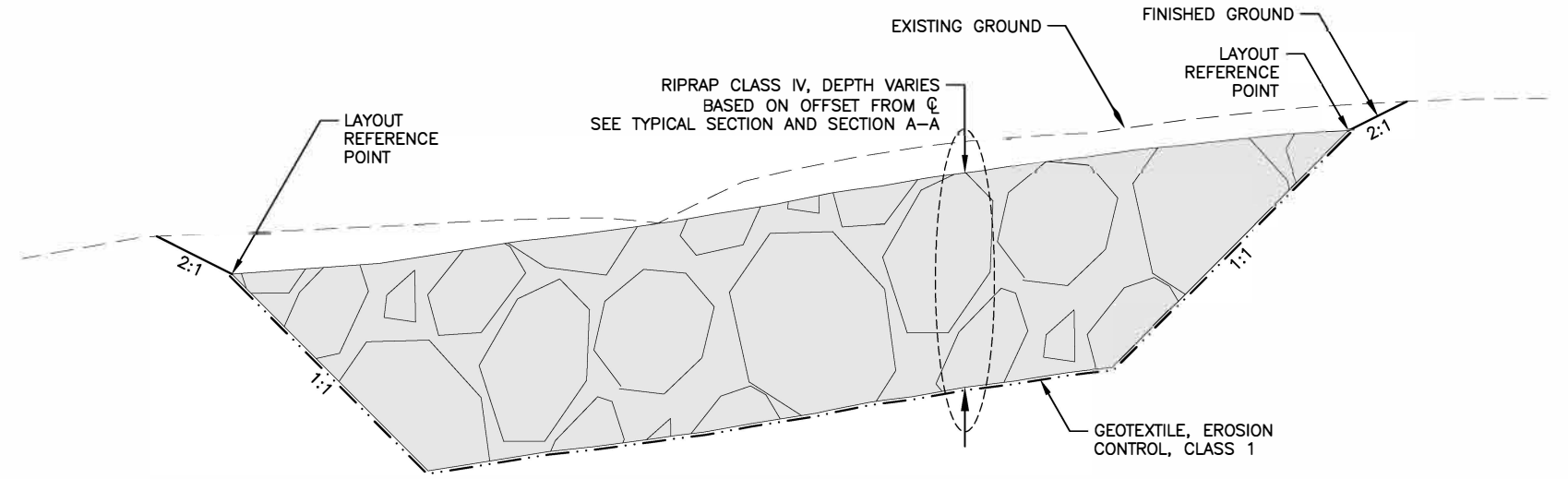
PIPE SUMMARY										
PIPE	SIZE (IN)	LENGTH (FT)	START STATION	START OFFSET	START INVERT ELEV. (FT)	END STATION	END OFFSET	END INVERT ELEV. (FT)	% GRADE	REMARKS
P3-1	36	40.28	301+97.50	17.51' R	171.40	301+97.50	22.72' L	169.39	5.00%	CORRUGATED ALUMINUM PIPE, REPLACE THAW WIRE
P3-1	36	40.4	301+95.1	17.4 R	171.92	301+97.2	23.0 L	169.43		



*MS 11/30/23*

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 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  SGY DYE A ROAD #00049 - DEC 20 SE PR DYE A ROAD MP 2.30 P3-1 DETAILS
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	E4	38



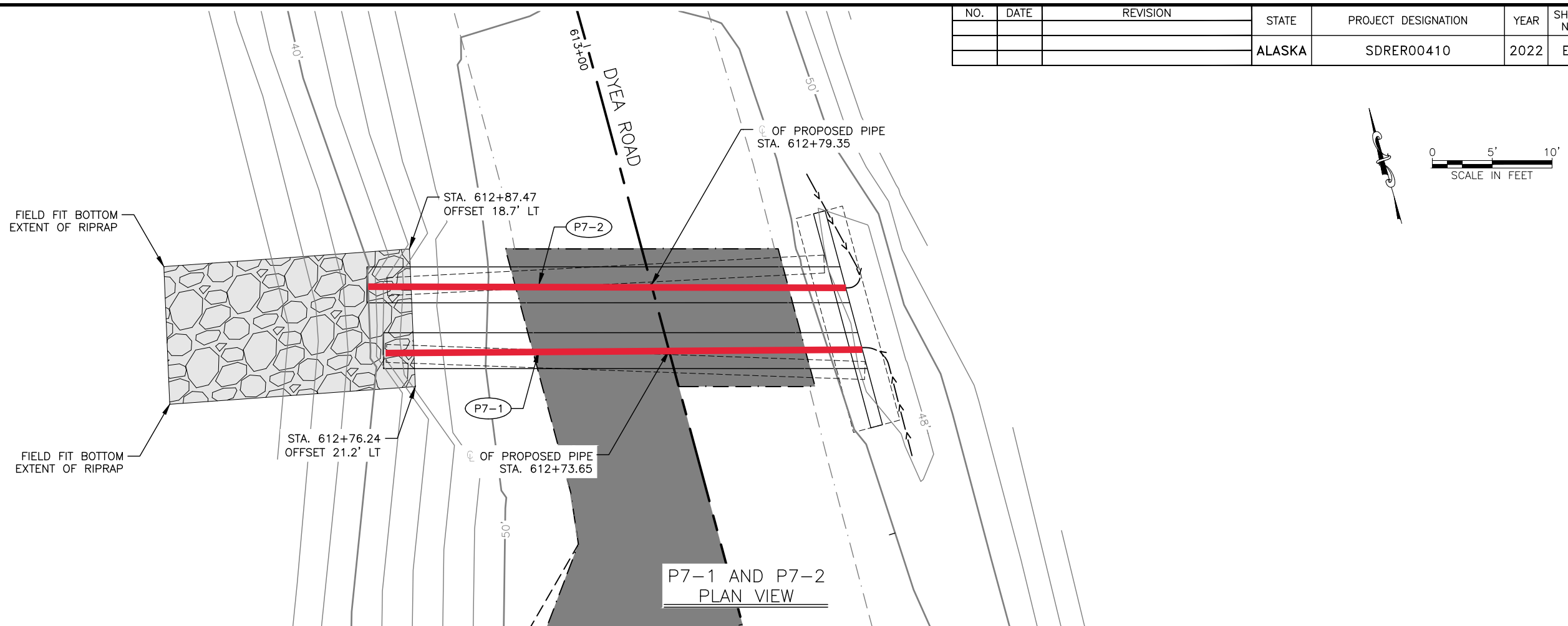
SECTION B-B  
P3-1 RIPRAP DETAIL

*MS 11/30/23*

<p>PLANS DEVELOPED BY: HDR ENGINEERING, INC. 582 E 36TH AVE STE 500 ANCHORAGE, AK 99503-4169 (907) 644-2000 CERT. OF AUTH. AECC569</p>		<p>STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES</p> <p>SGY DYEA ROAD #00049 - DEC 20 SE PR</p> <p>DYEA ROAD MP 2.30 RIPRAP DETAIL</p>
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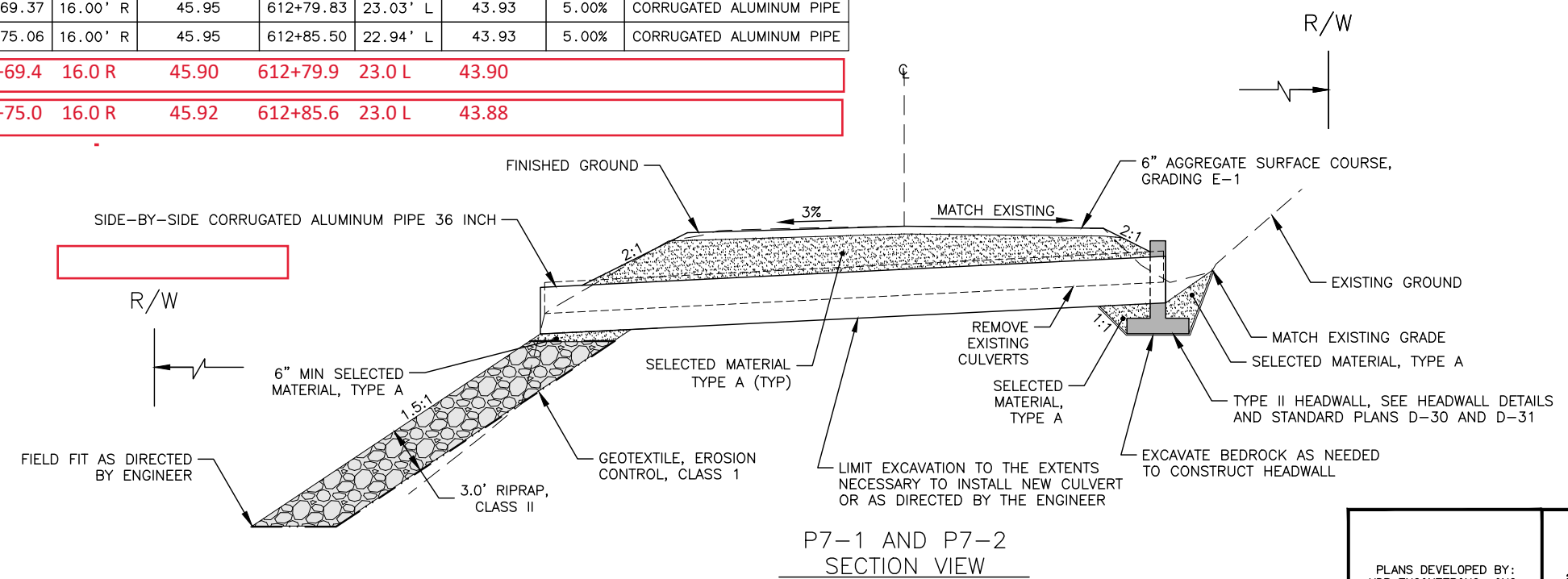
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	E5	38



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
P7-1	36	40.46	612+69.37	16.00' R	45.95	612+79.83	23.03' L	43.93	5.00%	CORRUGATED ALUMINUM PIPE
P7-2	36	40.37	612+75.06	16.00' R	45.95	612+85.50	22.94' L	43.93	5.00%	CORRUGATED ALUMINUM PIPE
P7-1	36	40.5	612+69.4	16.0 R	45.90	612+79.9	23.0 L	43.90		
P7-2	36	40.4	612+75.0	16.0 R	45.92	612+85.6	23.0 L	43.88		



MS 11/30/23

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



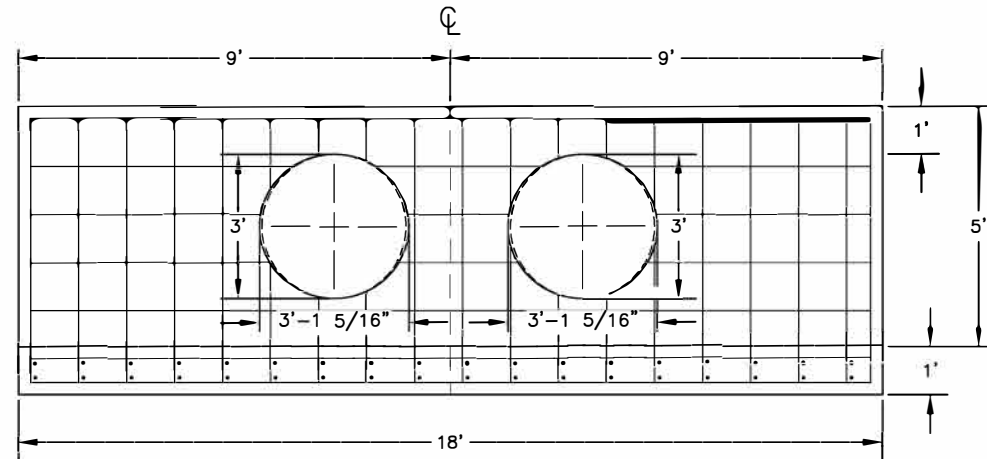
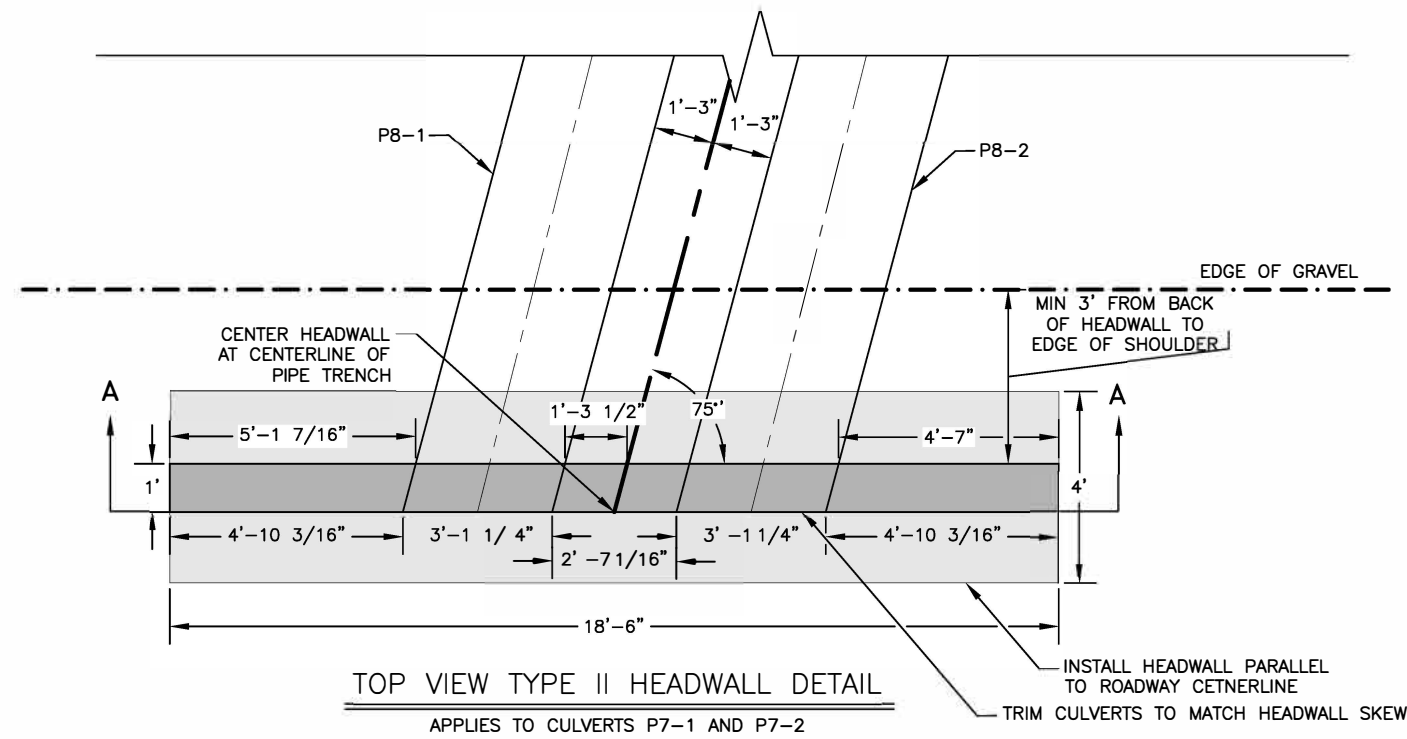
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SGY DYE A ROAD #00049 -  
DEC 20 SE PR

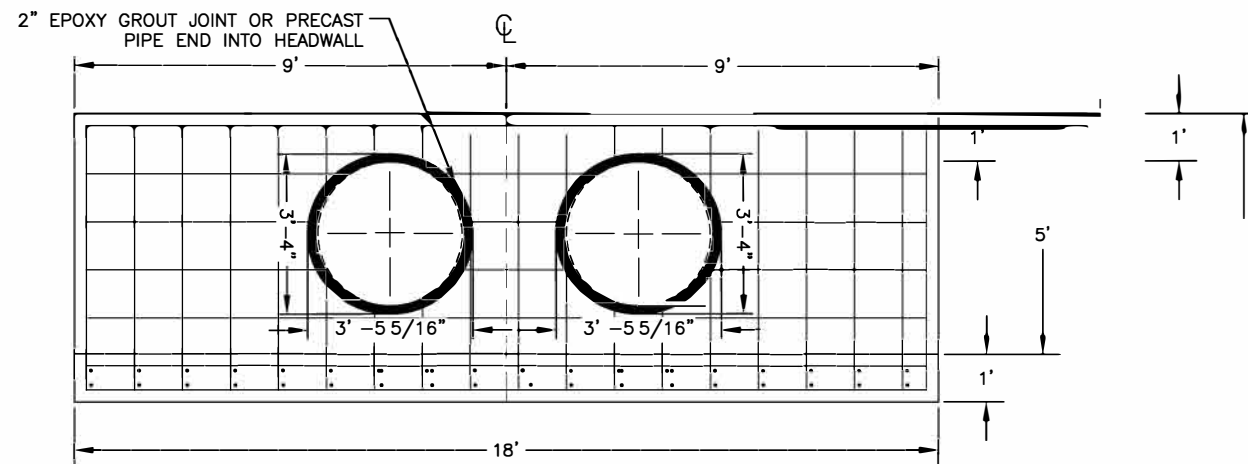
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P7-1 AND P7-2 DETAILS

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	E6	38



APPLIES TO CULVERTS P7-1 AND P7-2  
 SEE STANDARD PLANS D-30 FOR REBAR LAYOUT AND ADDITIONAL INFORMATION



APPLIES TO CULVERTS P7-1 AND P7-2  
 SEE STANDARD PLAN D-31 FOR REBAR LAYOUT AND ADDITIONAL INFORMATION

*MS 11/30/23*

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 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES

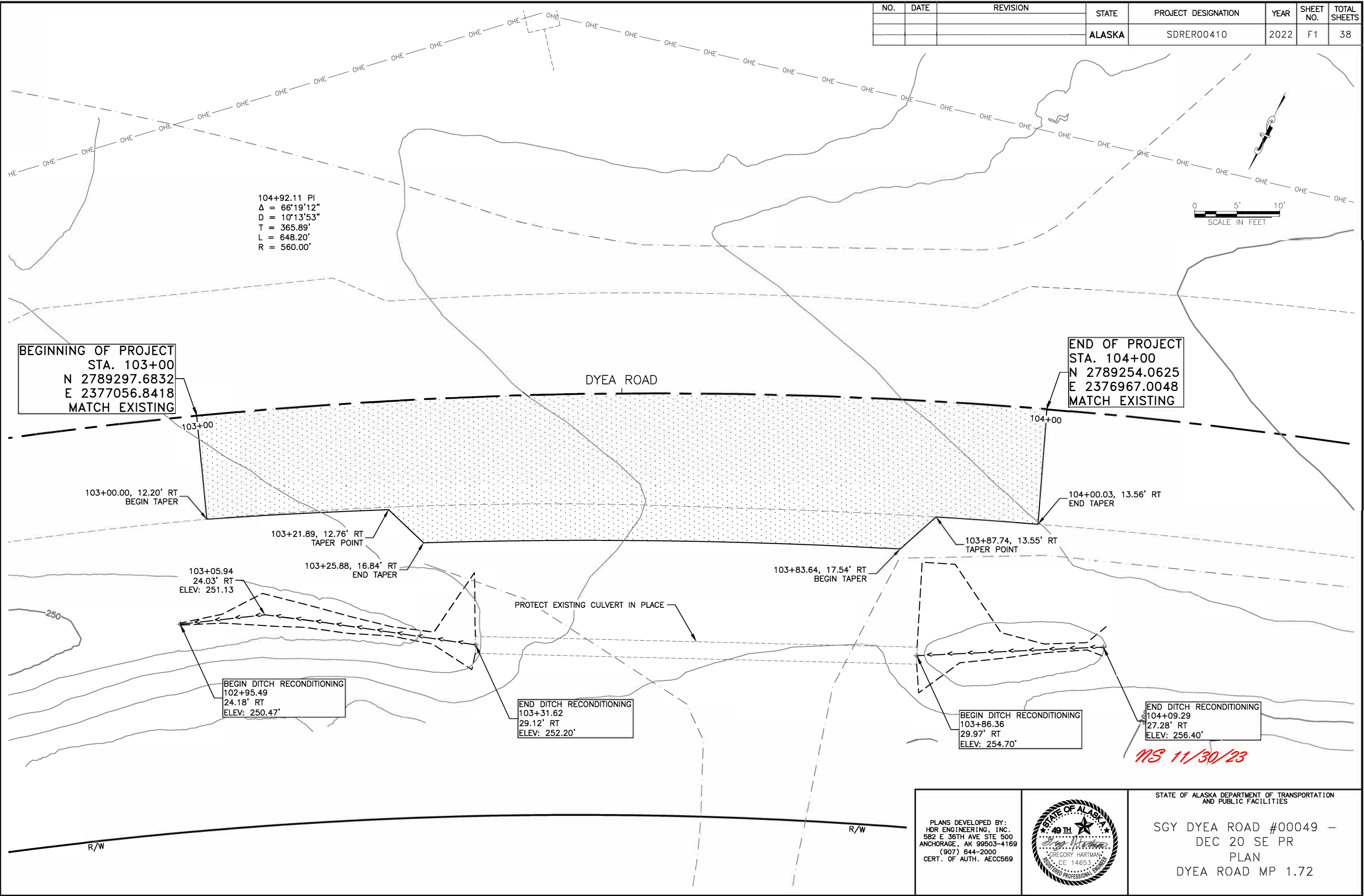
SGY DYEA ROAD #00049 -  
 DEC 20 SE PR


MP 3.12 HEADWALL DETAILS

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	F1	38

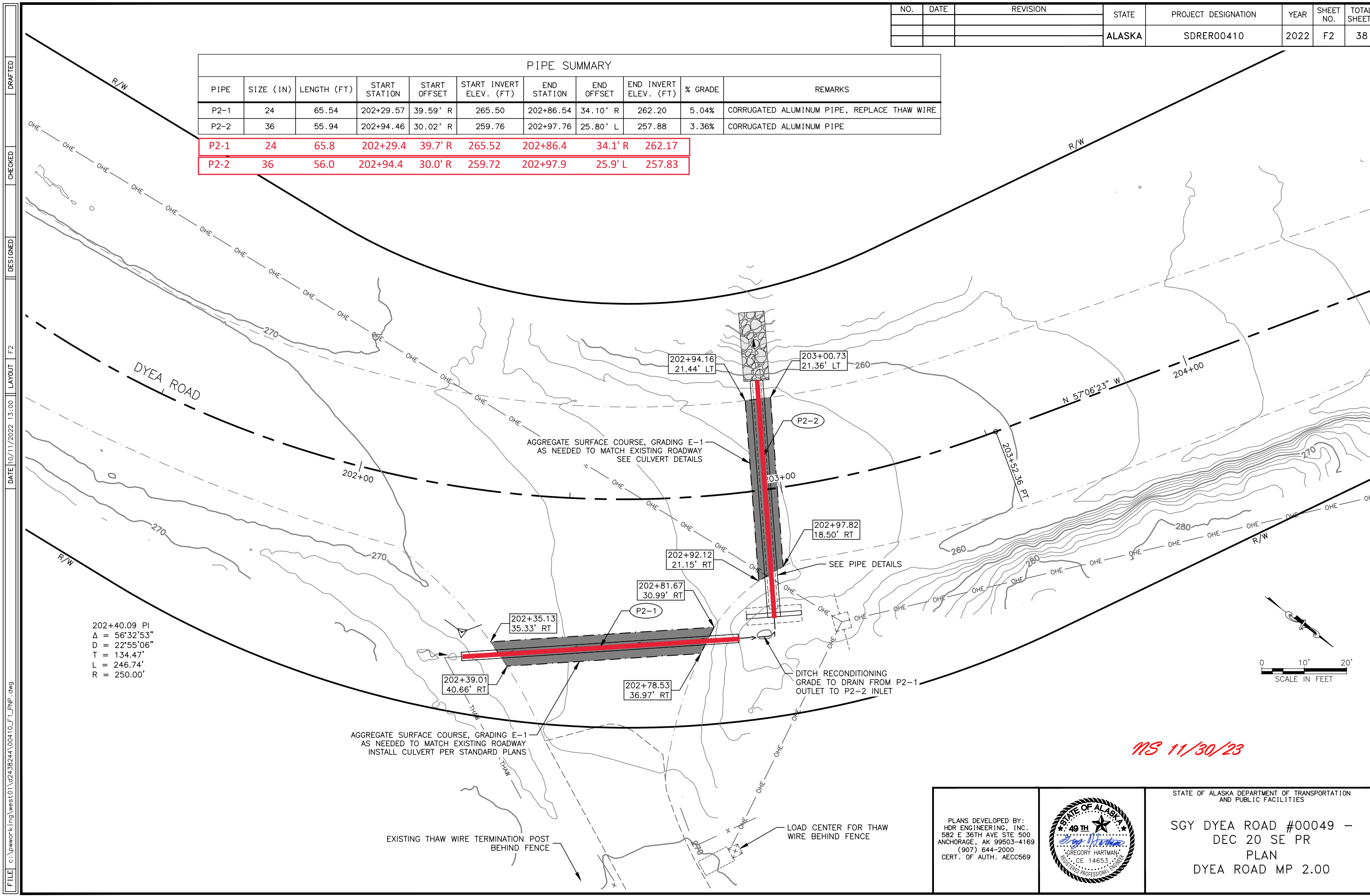
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PLANS DEVELOPED BY: HDR ENGINEERING, INC. 582 E 36TH AVE STE 500 ANCHORAGE, AK 99503-4169 (907) 644-2000 CERT. OF AUTH. AECC569		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  SGY DYEA ROAD #00049 - DEC 20 SE PR PLAN DYEA ROAD MP 1.72
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	F2	38

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
P2-1	24	65.54	202+29.57	39.59' R	265.50	202+86.54	34.10' R	262.20	5.04%	CORRUGATED ALUMINUM PIPE, REPLACE THAW WIRE
P2-2	36	55.94	202+94.46	30.02' R	259.76	202+97.76	25.80' L	257.88	3.36%	CORRUGATED ALUMINUM PIPE
P2-1	24	65.8	202+29.4	39.7' R	265.52	202+86.4	34.1' R	262.17		
P2-2	36	56.0	202+94.4	30.0' R	259.72	202+97.9	25.9' L	257.83		



202+40.09 PI  
 $\Delta = 56^{\circ}32'53''$   
 $D = 22^{\circ}55'06''$   
 $T = 134.47'$   
 $L = 246.74'$   
 $R = 250.00'$

*MS 11/30/23*

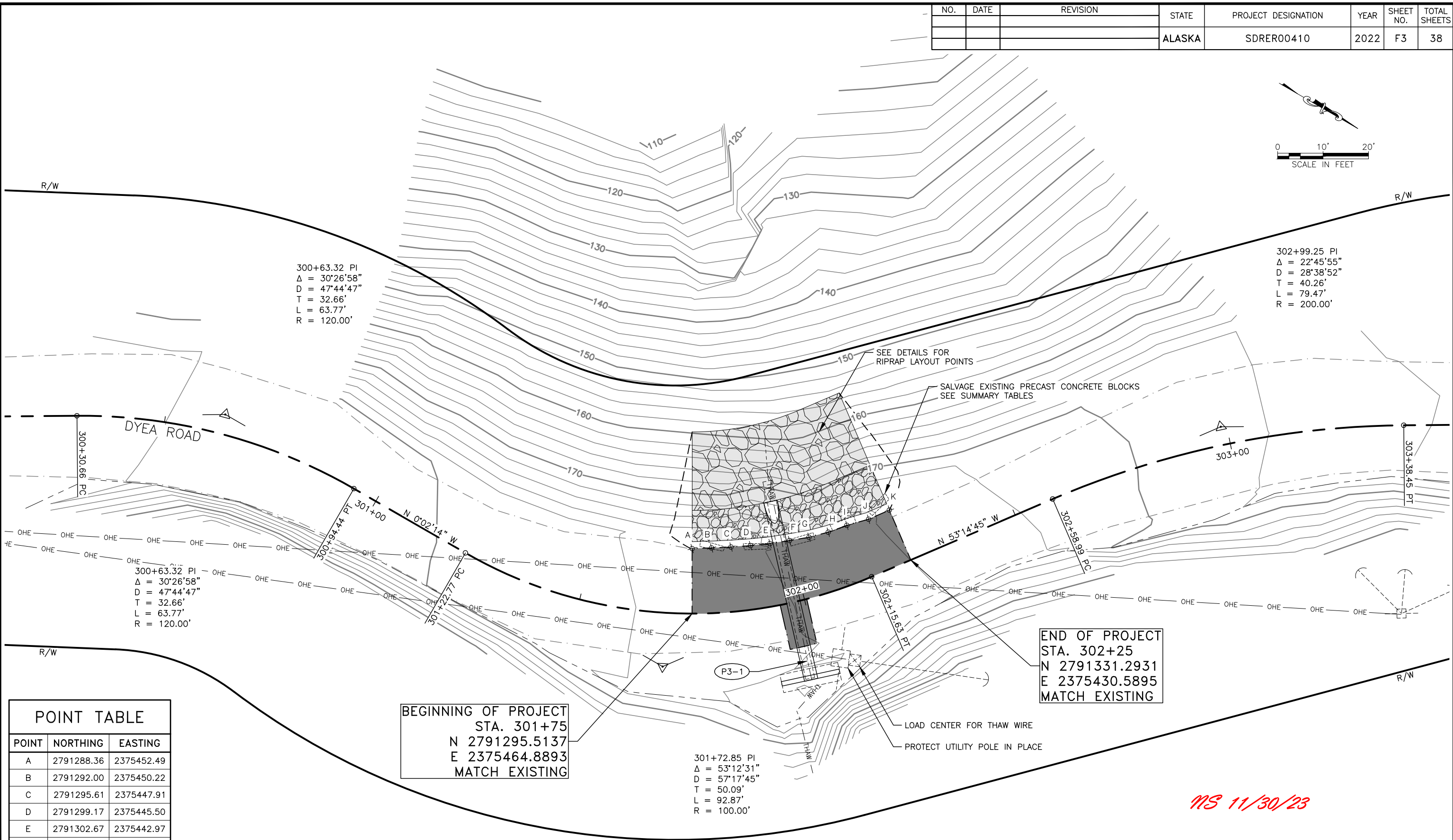
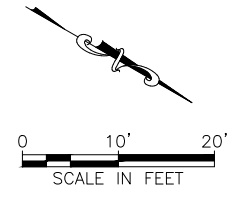
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PLANS DEVELOPED BY: HDR ENGINEERING, INC. 582 E 36TH AVE STE 500 ANCHORAGE, AK 99503-4169 (907) 644-2000 CERT. OF AUTH. AECC569		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  SGY DYE ROAD #00049 - DEC 20 SE PR PLAN DYE ROAD MP 2.00
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	F3	38

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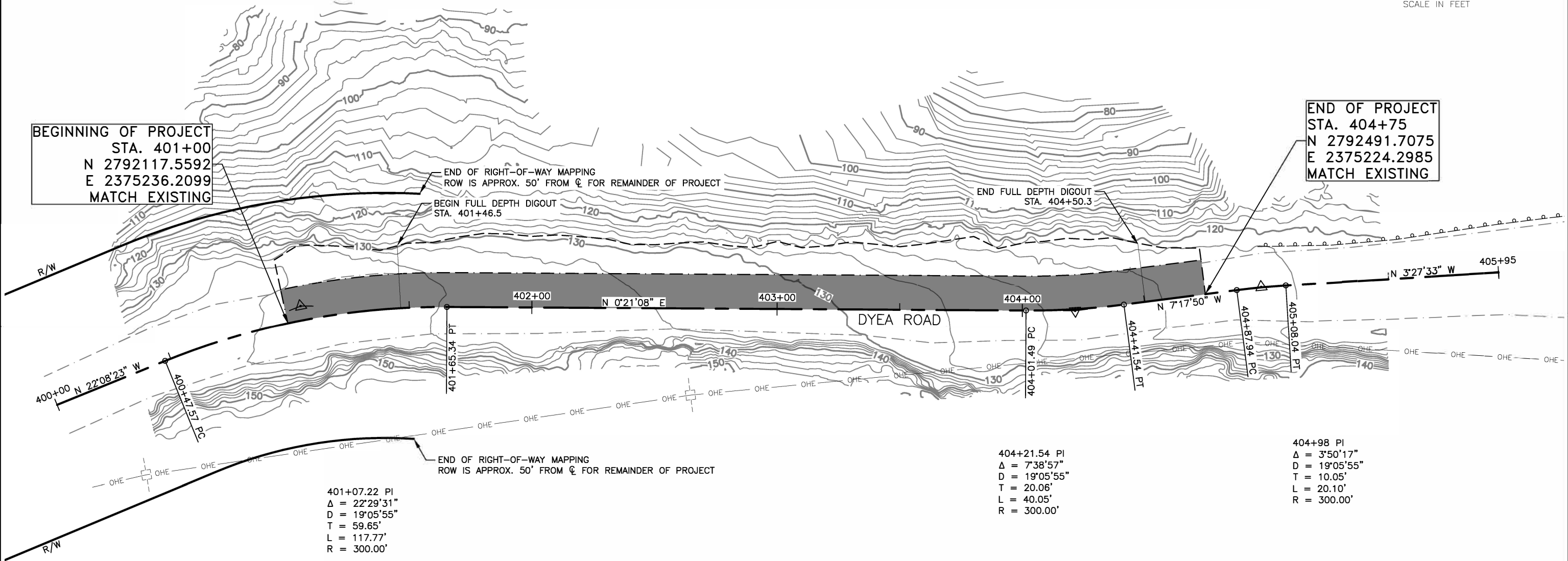
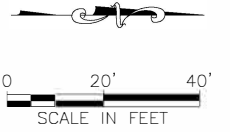
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E	2791302.67	2375442.97
F	2791306.04	2375440.25
G	2791309.40	2375437.46
H	2791312.50	2375434.39
I	2791315.31	2375431.03
J	2791318.76	2375427.47
K	2791321.72	2375423.44

*MS 11/30/23*

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 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  SGY DYEA ROAD #00049 - DEC 20 SE PR PLAN DYEA ROAD MP 2.3
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	F4	38

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 DESIGNED  
 CHECKED  
 DRAFTED



**BEGINNING OF PROJECT**  
 STA. 401+00  
 N 2792117.5592  
 E 2375236.2099  
 MATCH EXISTING

**END OF PROJECT**  
 STA. 404+75  
 N 2792491.7075  
 E 2375224.2985  
 MATCH EXISTING

401+07.22 PI  
 $\Delta = 22^\circ 29' 31''$   
 D = 19'05'55"  
 T = 59.65'  
 L = 117.77'  
 R = 300.00'

404+21.54 PI  
 $\Delta = 7^\circ 38' 57''$   
 D = 19'05'55"  
 T = 20.06'  
 L = 40.05'  
 R = 300.00'

404+98 PI  
 $\Delta = 3^\circ 50' 17''$   
 D = 19'05'55"  
 T = 10.05'  
 L = 20.10'  
 R = 300.00'

*MS 11/30/23*

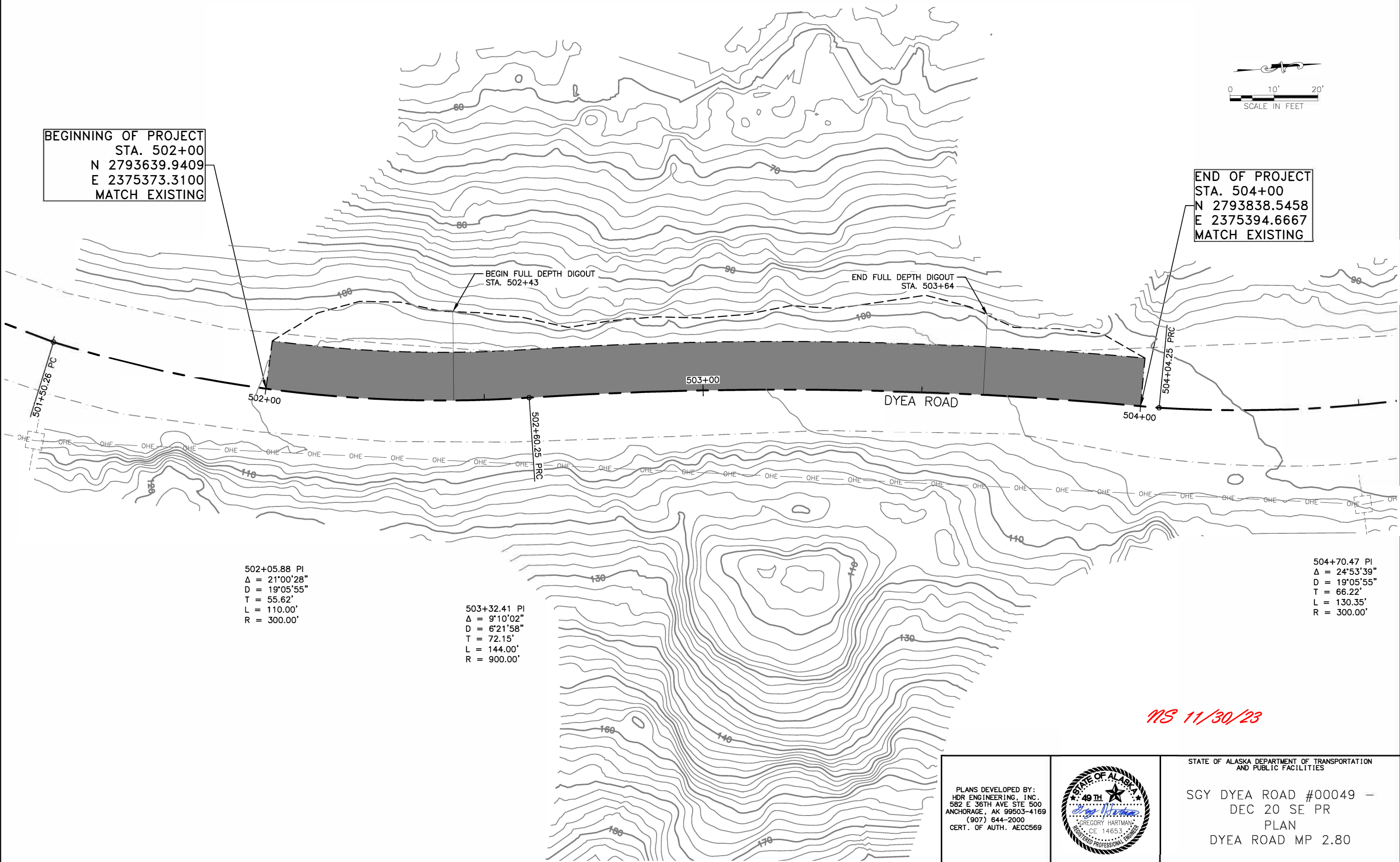
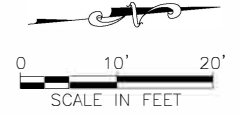
PLANS DEVELOPED BY: HDR ENGINEERING, INC. 582 E 36TH AVE STE 500 ANCHORAGE, AK 99503-4169 (907) 644-2000 CERT. OF AUTH. AECC569		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  SGY DYEA ROAD #00049 - DEC 20 SE PR PLAN DYEA ROAD MP 2.49
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	F5	38

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 CHECKED  
 DRAFTED

**BEGINNING OF PROJECT**  
 STA. 502+00  
 N 2793639.9409  
 E 2375373.3100  
 MATCH EXISTING

**END OF PROJECT**  
 STA. 504+00  
 N 2793838.5458  
 E 2375394.6667  
 MATCH EXISTING



502+05.88 PI  
 $\Delta = 21^{\circ}00'28''$   
 $D = 19^{\circ}05'55''$   
 $T = 55.62'$   
 $L = 110.00'$   
 $R = 300.00'$

503+32.41 PI  
 $\Delta = 9^{\circ}10'02''$   
 $D = 6^{\circ}21'58''$   
 $T = 72.15'$   
 $L = 144.00'$   
 $R = 900.00'$

504+70.47 PI  
 $\Delta = 24^{\circ}53'39''$   
 $D = 19^{\circ}05'55''$   
 $T = 66.22'$   
 $L = 130.35'$   
 $R = 300.00'$

*MS 11/30/23*

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



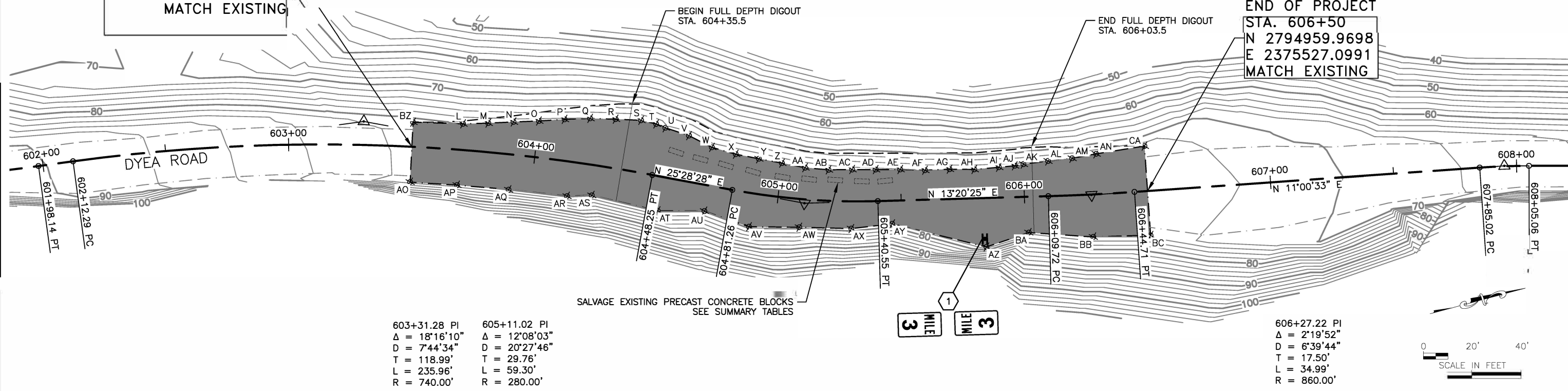
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SGY DYEA ROAD #00049 -  
 DEC 20 SE PR  
 PLAN  
 DYEA ROAD MP 2.80

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	F6	38

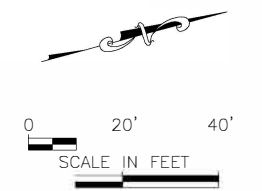
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 N 2794676.4171  
 E 2375432.6331  
 MATCH EXISTING

**END OF PROJECT**  
 STA. 606+50  
 N 2794959.9698  
 E 2375527.0991  
 MATCH EXISTING



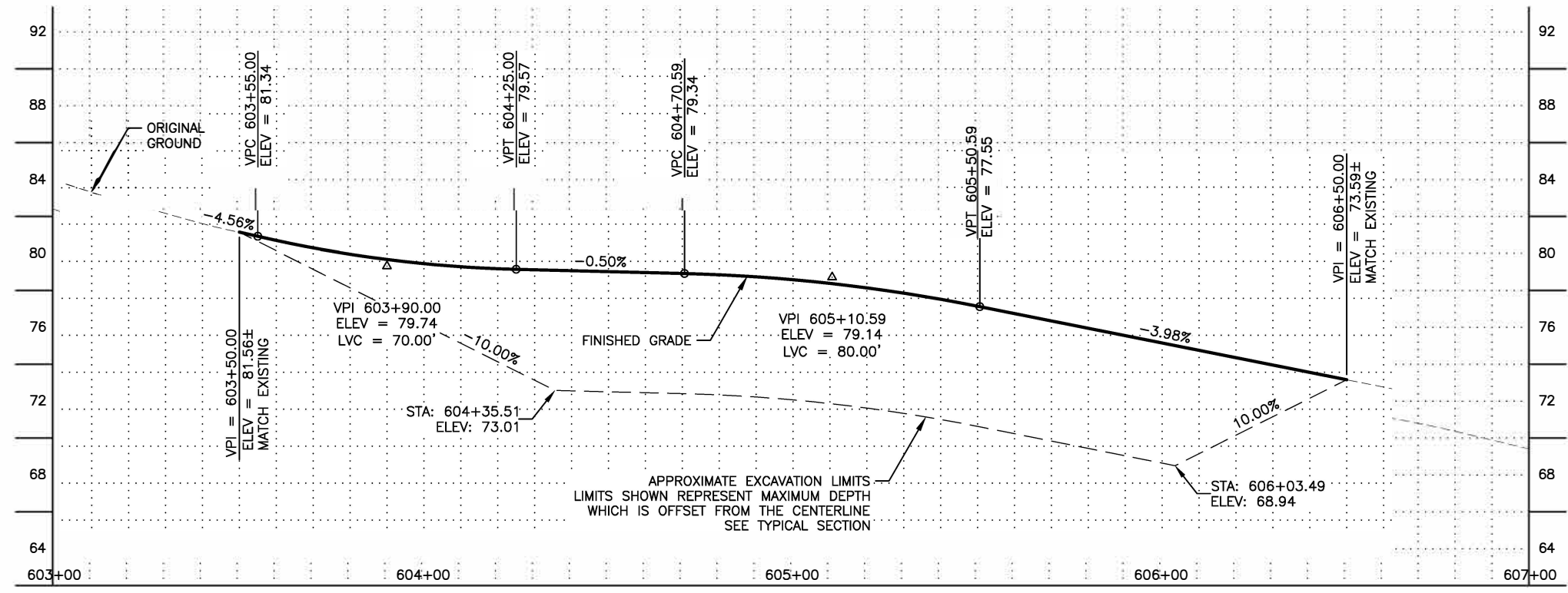
603+31.28 PI Δ = 18°16'10" D = 7'44'34" T = 118.99' L = 235.96' R = 740.00'	605+11.02 PI Δ = 12°08'03" D = 20°27'46" T = 29.76' L = 59.30' R = 280.00'
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606+27.22 PI Δ = 2°19'52" D = 6°39'44" T = 17.50' L = 34.99' R = 860.00'
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**POINT 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
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
BA	2794909.11	2375530.89



**POINT TABLE**

POINT	NORTHING	EASTING
BB	2794933.93	2375539.38
BC	2794956.53	2375544.78
BZ	2794679.47	2375423.17
CA	2794963.44	2375509.27
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

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

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



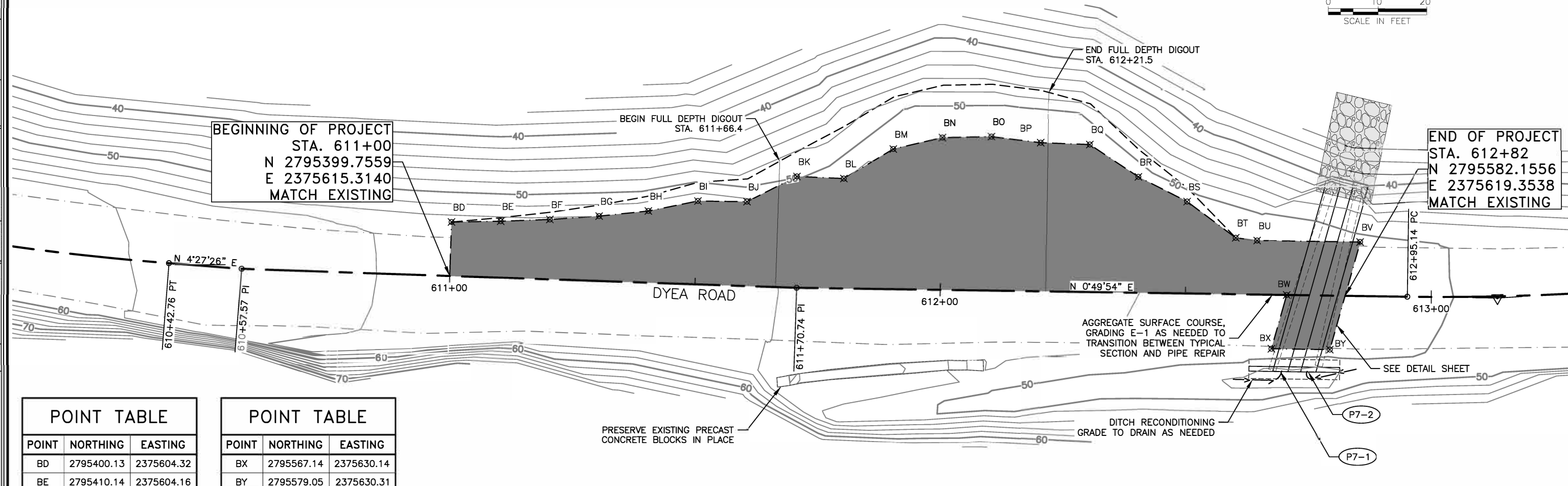
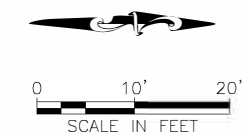
SGY DYEA ROAD #00049  
 DEC 20 SE PR  
 PLAN AND PROFILE  
 DYEA ROAD MP 2.95-3.05

*MS 11/30/23*

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 LAYOUT  
 2022

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	F7	38

FILE c:\pwworking\wes10\22438244\00410\_F1\_PNP.dwg  
 DATE 10/11/2022 13:00 LAYOUT F7 DESIGNED CHECKED DRAFTED



**BEGINNING OF PROJECT**  
 STA. 611+00  
 N 2795399.7559  
 E 2375615.3140  
 MATCH EXISTING

**END OF PROJECT**  
 STA. 612+82  
 N 2795582.1556  
 E 2375619.3538  
 MATCH EXISTING

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
BW	2795570.25	2375619.18

POINT	NORTHING	EASTING
BX	2795567.14	2375630.14
BY	2795579.05	2375630.31



613+13.47 PI  
 $\Delta = 4^{\circ}11'57''$   
 $D = 11^{\circ}27'33''$   
 $T = 18.33'$   
 $L = 36.64'$   
 $R = 500.00'$

*MS 11/30/23*

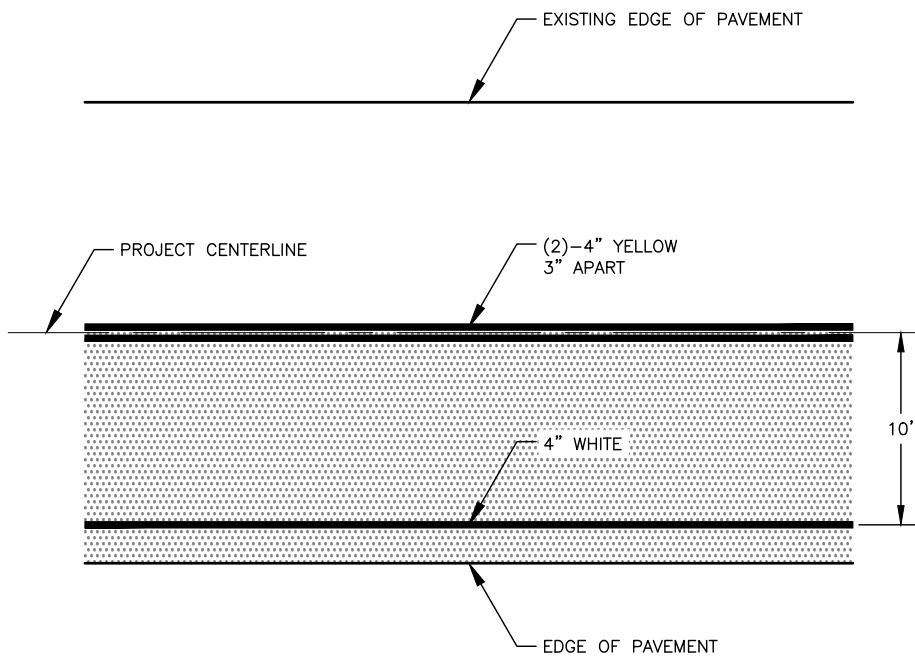
PLANS DEVELOPED BY: HDR ENGINEERING, INC. 582 E 36TH AVE STE 500 ANCHORAGE, AK 99503-4169 (907) 644-2000 CERT. OF AUTH. AECC569		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  SGY DYEA ROAD #00049 - DEC 20 SE PR PLAN AND PROFILE DYEA ROAD MP 3.12
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	H1	38

SIGN SUMMARY														
DI NO.	SHEET NO.	SIGN NO.	STATION ALIGNMENT	CL REF	TYPE	LEGEND	SIZE (IN)		AREA (SQ FT)	SIGN FACES	POST		REMARKS	
							WIDTH	HEIGHT			NO., SIZE, & TYPE	YES		NO
461217	F6	1	605+83.5	RT	D10-101		10	18	1.25	S	1-2.5" PT		X	INSTALL SIGNS BACK-TO-BACK ON THE SAME POST
					D10-101		10	18	1.25	N			X	
PAY ITEM TOTAL:							2.50							

SIGN SALVAGE SUMMARY					
SHEET	STATION ALIGNMENT	CL REF	TYPE	LEGEND	REMARKS
F6	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:**

- ALL STATION LOCATIONS FOR SIGN INSTALLATION ARE APPROXIMATE. INSTALL SIGNS AT LOCATIONS AS DIRECTED BY THE ENGINEER.
- 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.
- FABRICATE ALL SIGNS FROM 0.125" THICK ALUMINUM SHEETING, UNLESS STATED ELSEWHERE.
- 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.
- NOTIFY THE ENGINEER A MINIMUM OF 14 DAYS PRIOR TO BEGINNING SIGN REMOVAL AND SALVAGE OR DISPOSAL ACTIVITIES.
- 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.

*MS 11/30/23*

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 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  SGY DYEA ROAD #00049 - DEC 20 SE PR  SIGN SUMMARY AND STRIPING DETAILS
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	Q1	38

**LEGEND**

— SB —	SEDIMENT BARRIER
□	INLET PROTECTION
↖	EXISTING CULVERT FLOW
→	CULVERT FLOW DIRECTION
→	PROFILE FLOW DIRECTION
↗	SURFACE FLOW DIRECTION
▨	DISTURBED AREA
— FR —	FIBER ROLL

DRAFTED

CHECKED

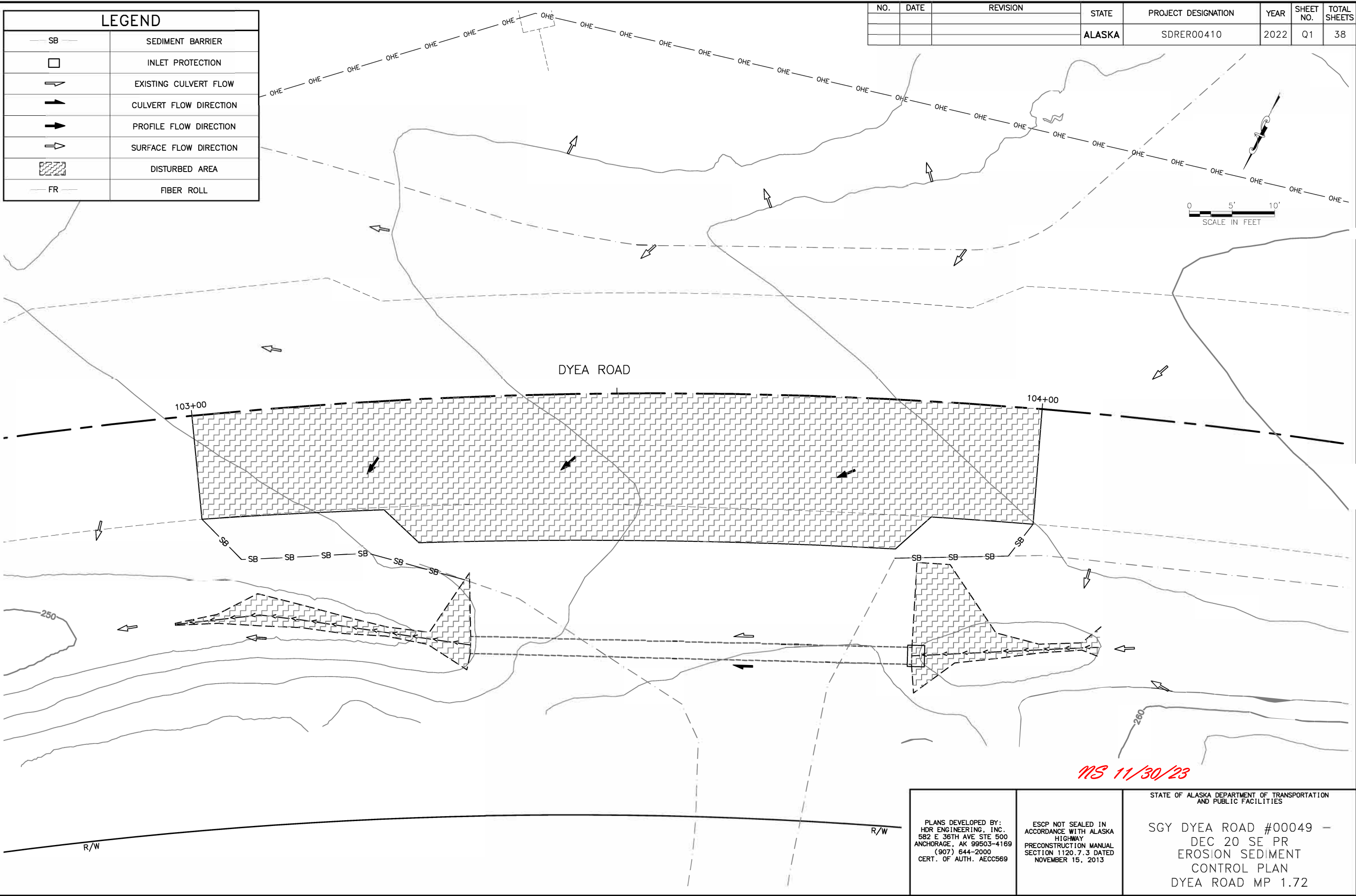
DESIGNED

01

LAYOUT

DATE 9/25/2022 15:31

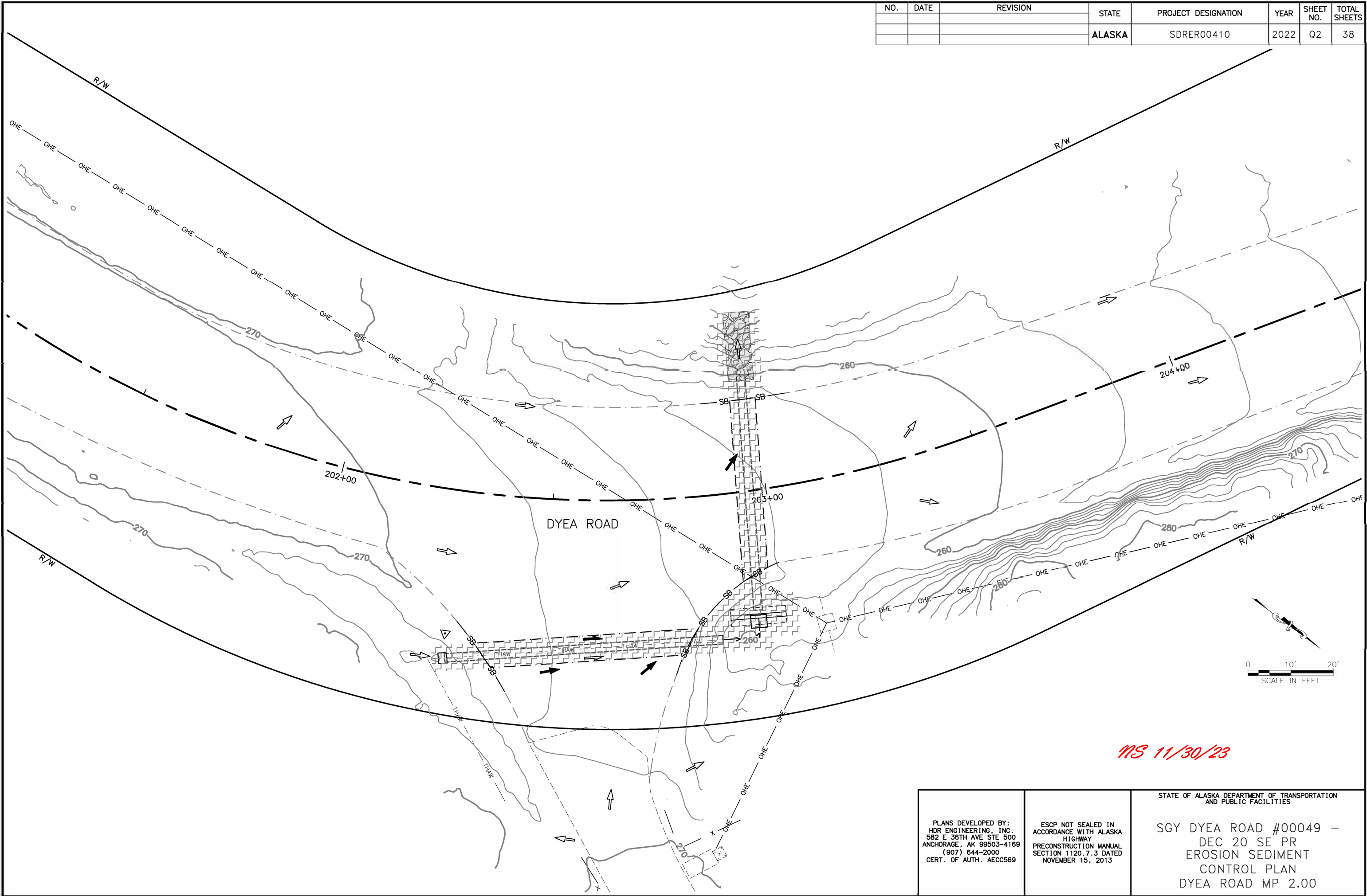
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PLANS DEVELOPED BY: HDR ENGINEERING, INC. 582 E 36TH AVE STE 500 ANCHORAGE, AK 99503-4169 (907) 644-2000 CERT. OF AUTH. AECC569	ESCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1120.7.3 DATED NOVEMBER 15, 2013	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  SGY DYEA ROAD #00049 - DEC 20 SE PR EROSION SEDIMENT CONTROL PLAN DYEA ROAD MP 1.72
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	Q2	38

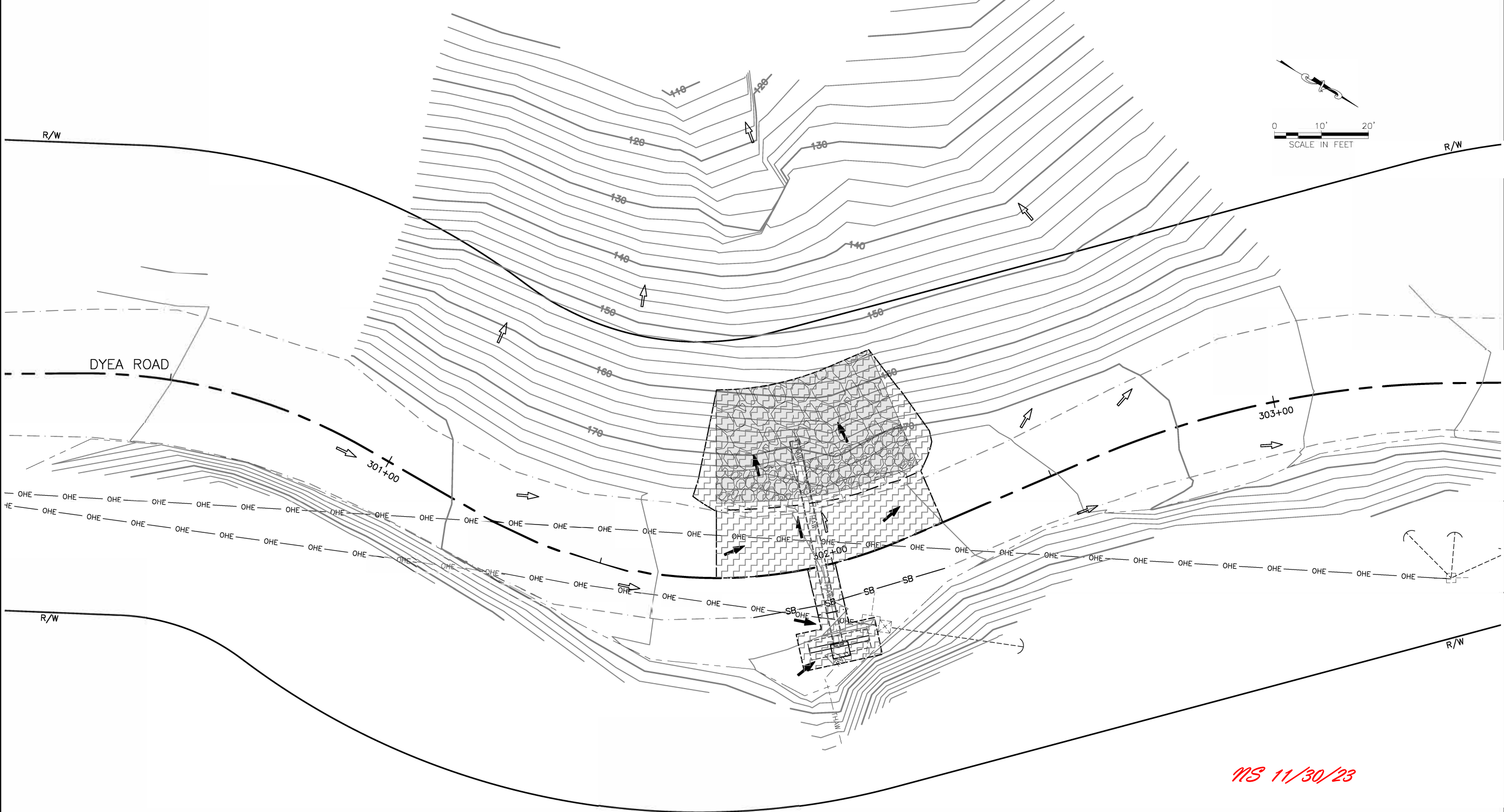
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PLANS DEVELOPED BY: HDR ENGINEERING, INC. 582 E 36TH AVE STE 500 ANCHORAGE, AK 99503-4169 (907) 644-2000 CERT. OF AUTH. AECC569	ESCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1120.7.3 DATED NOVEMBER 15, 2013	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  SGY DYE ROAD #00049 - DEC 20 SE PR EROSION SEDIMENT CONTROL PLAN DYE ROAD MP 2.00
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	Q3	38

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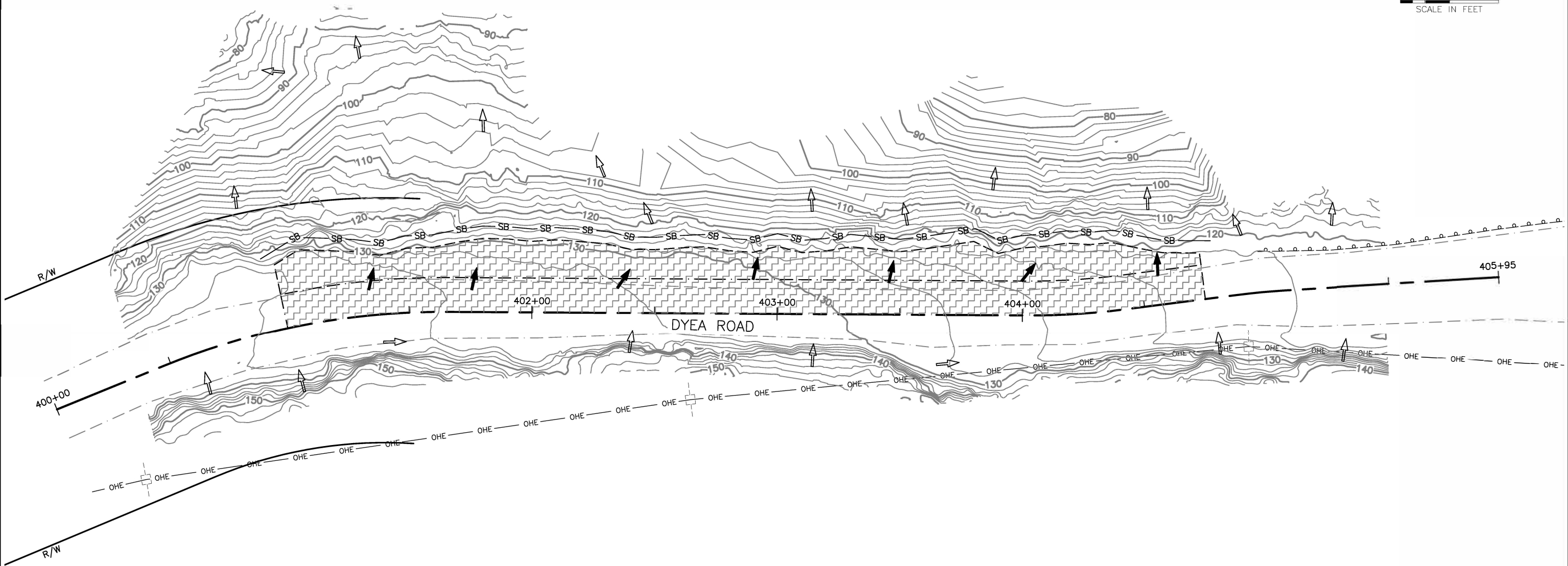
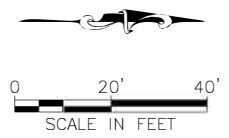


*MS 11/30/23*

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 2.3
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	Q4	38

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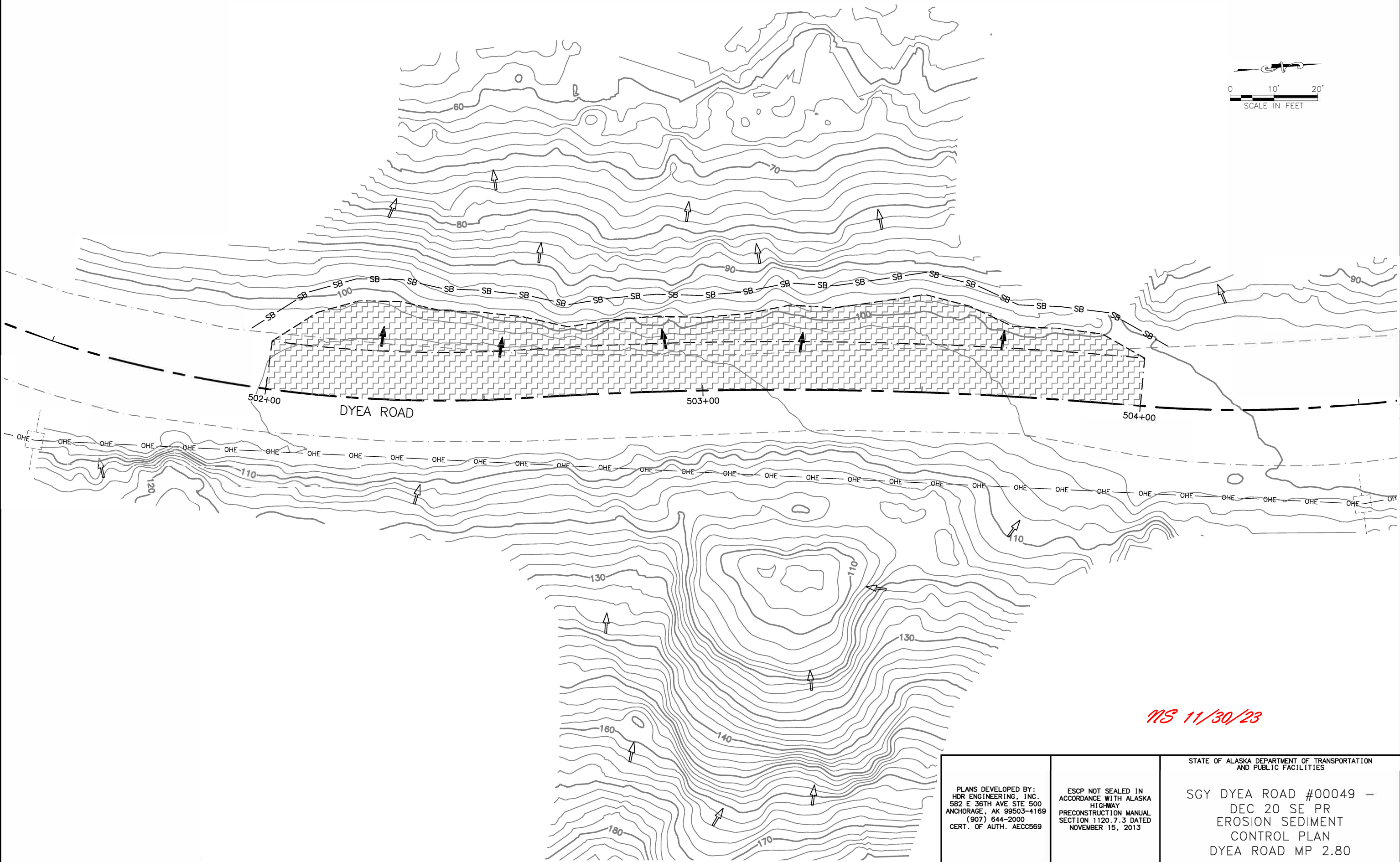


*MS 11/30/23*

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 DYE ROAD #00049 - DEC 20 SE PR EROSION SEDIMENT CONTROL PLAN DYE ROAD MP 2.49
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	Q5	38

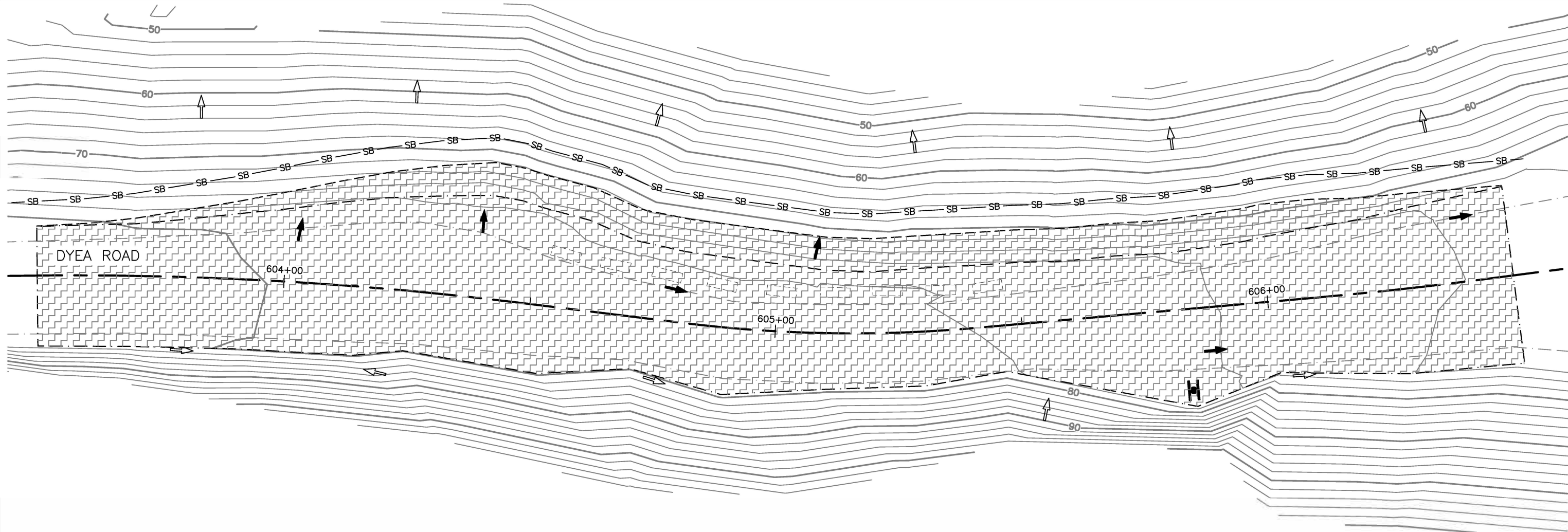
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*MS 11/30/23*

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES		
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	SGY DYE ROAD #00049 - DEC 20 SE PR EROSION SEDIMENT CONTROL PLAN DYE ROAD MP 2.80

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	Q6	38



*MS 11/30/23*

<p>PLANS DEVELOPED BY: HDR ENGINEERING, INC. 582 E 36TH AVE STE 500 ANCHORAGE, AK 99503-4169 (907) 644-2000 CERT. OF AUTH. AECC569</p>	<p>ESCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1120.7.3 DATED NOVEMBER 15, 2013</p>	<p>STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES</p> <p>SGY DYEA ROAD #00049 - DEC 20 SE PR EROSION SEDIMENT CONTROL PLAN DYEA ROAD MP 2.95-3.05</p>
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	Q7	38

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CHECKED

DESIGNED

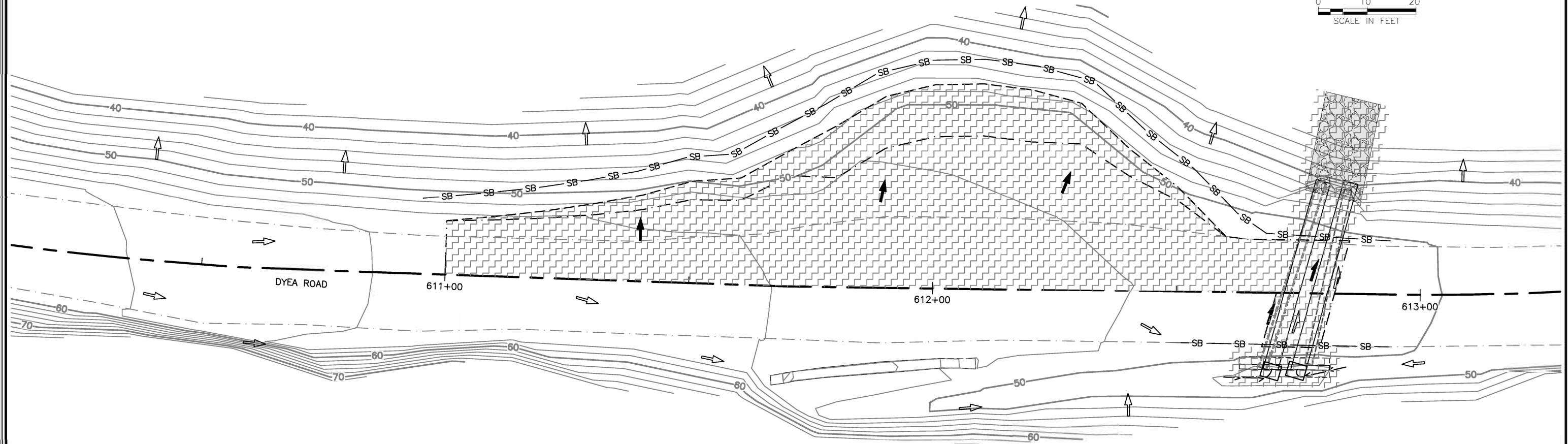
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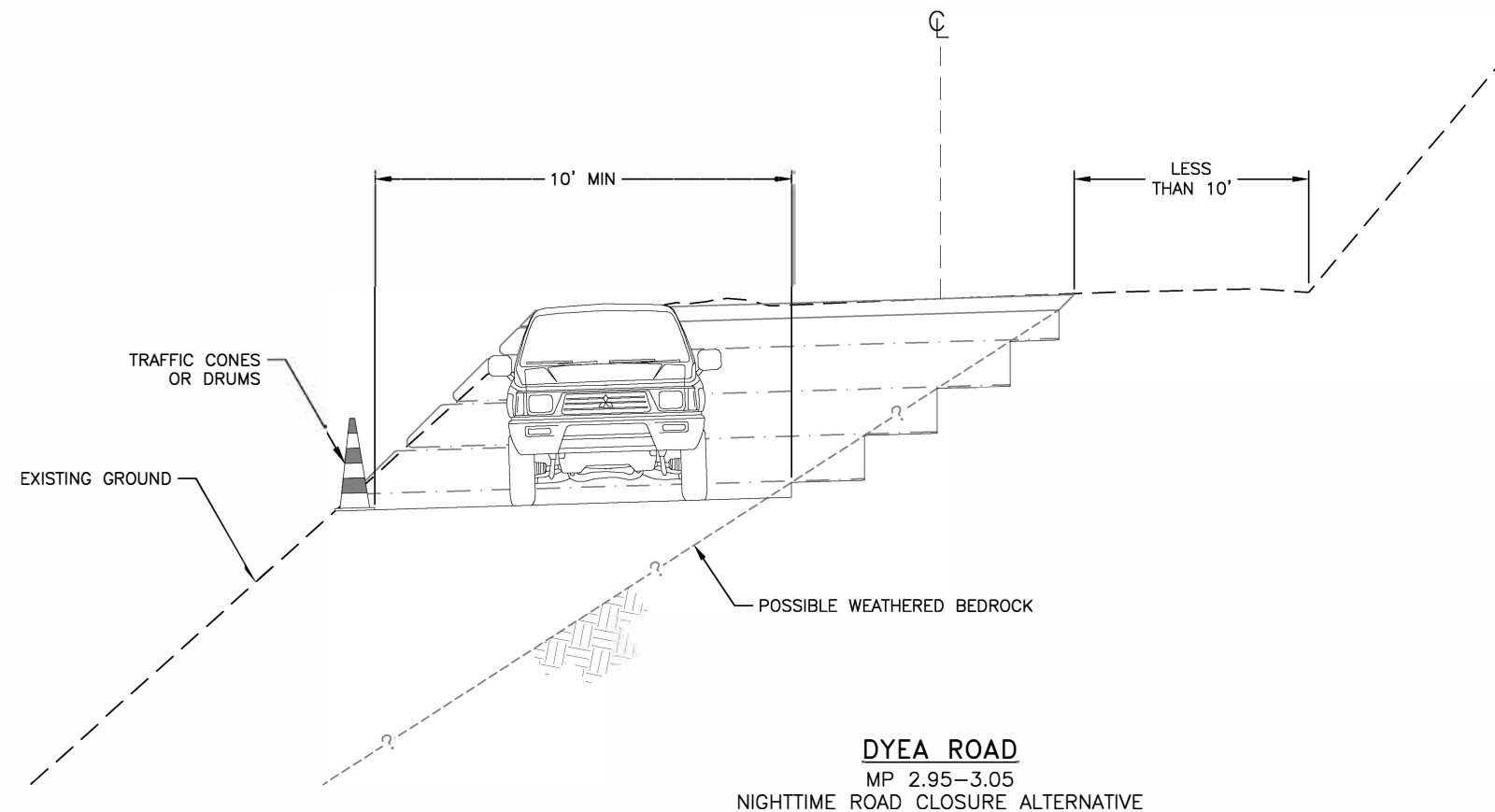
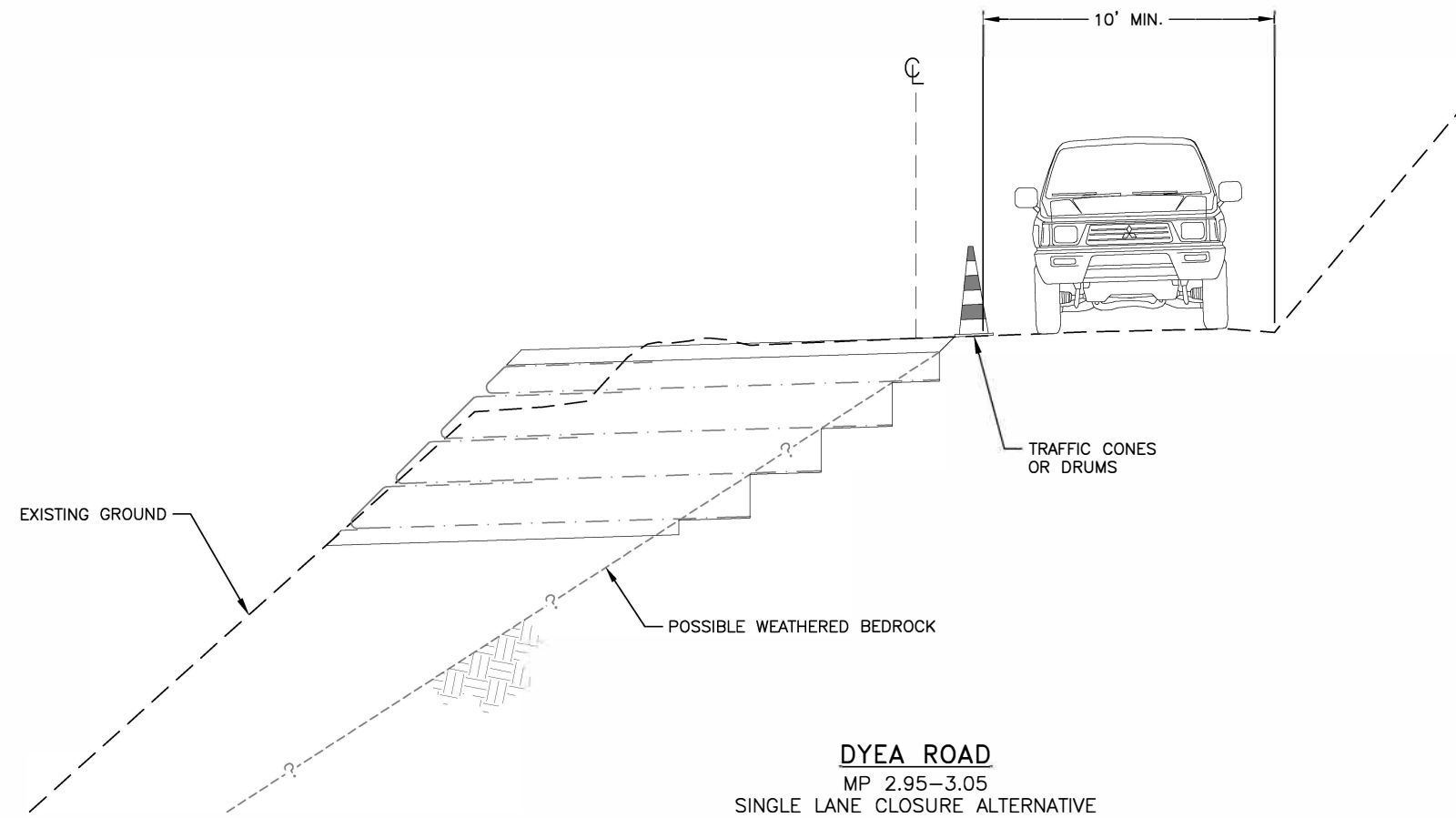
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<p>PLANS DEVELOPED BY: HDR ENGINEERING, INC. 582 E 36TH AVE STE 500 ANCHORAGE, AK 99503-4169 (907) 644-2000 CERT. OF AUTH. AECC569</p>	<p>ESCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1120.7.3 DATED NOVEMBER 15, 2013</p>	<p>STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES</p> <p>SGY DYE A ROAD #00049 - DEC 20 SE PR EROSION SEDIMENT CONTROL PLAN DYE A ROAD MP 3.12</p>
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	S1	38

**NOTES:**

- CONSTRUCTION PHASING SHOWN ON THIS SHEET IS A PROOF-OF-CONCEPT AND IS ONLY A SUGGESTION. DO NOT COMMENCE ANY WORK ON ANY SITE UNTIL THE PROJECT ENGINEER APPROVES A TRAFFIC CONTROL PLAN IN ACCORDANCE WITH SECTION 643 OF THE SPECIFICATIONS.
- SUGGESTED GENERAL TRAFFIC PHASING:**
  - PERFORM ACTIVE CONSTRUCTION ON ONE SITE AT A TIME. SETUP A SINGLE LANE CLOSURE TO CONSTRUCT REPAIRS, SWAPPING TRAFFIC BACK AND FORTH AS NEEDED IF THE WORK IMPACTS BOTH LANES. REESTABLISH TWO LANES OF TRAFFIC BEFORE MOVING TEMPORARY TRAFFIC CONTROL SETUP TO THE NEXT SITE.
  - WHERE CULVERT REPLACEMENTS ARE SHOWN IN THE PLANS, MAINTAIN A SINGLE LANE OF TRAFFIC AND INSTALL THE CULVERT ONE-HALF AT A TIME. SWAP TRAFFIC AS NEEDED TO COMPLETE THE CULVERT INSTALLATION.
  - AT THE DYEA ROAD MP 2.95-3.05 SITE, MAINTAIN A SINGLE LANE OF TRAFFIC FOR THE DURATION OF CONSTRUCTION IF POSSIBLE. IF THE DEPTH AND LOCATION OF BEDROCK RESULTS IN THE DRIVING LANE BECOMING TOO NARROW, TEMPORARY NIGHTTIME ROAD CLOSURES MAY BE USED TO COMPLETE THE WORK. SEE SECTION 643 OF THE SPECIFICATIONS FOR DETAILS ON NIGHTTIME ROAD CLOSURES.
- PRECISE DEPTH AND SLOPE OF BEDROCK ARE UNKNOWN. IF CONDITIONS ALLOW, MAINTAIN A SINGLE LANE OF TRAFFIC THROUGH THE MP 2.95-3.05 SITE AT ALL TIMES AS DEPICTED IN THE SINGLE LANE CLOSURE ALTERNATIVE. IF CONDITIONS DO NOT ALLOW FOR MAINTENANCE OF A SINGLE LANE, NIGHTTIME ROAD CLOSURES MAY BE USED IN ACCORDANCE WITH SECTION 643 OF THE SPECIFICATIONS.
- IF NIGHTTIME ROAD CLOSURES ARE NECESSARY AT THE MP 2.95-3.05 SITE, MAINTAIN A SINGLE LANE OF TRAFFIC DURING THE DAYTIME AND ROUTE TRAFFIC THROUGH THE DIGOUT AREA AS DEPICTED IN THE NIGHTTIME ROAD CLOSURE ALTERNATIVE.
- DURING NIGHTTIME ROAD CLOSURES, MAINTAIN THROUGH ACCESS FOR EMERGENCY SERVICES IN ACCORDANCE WITH SECTION 643 OF THE SPECIFICATIONS.



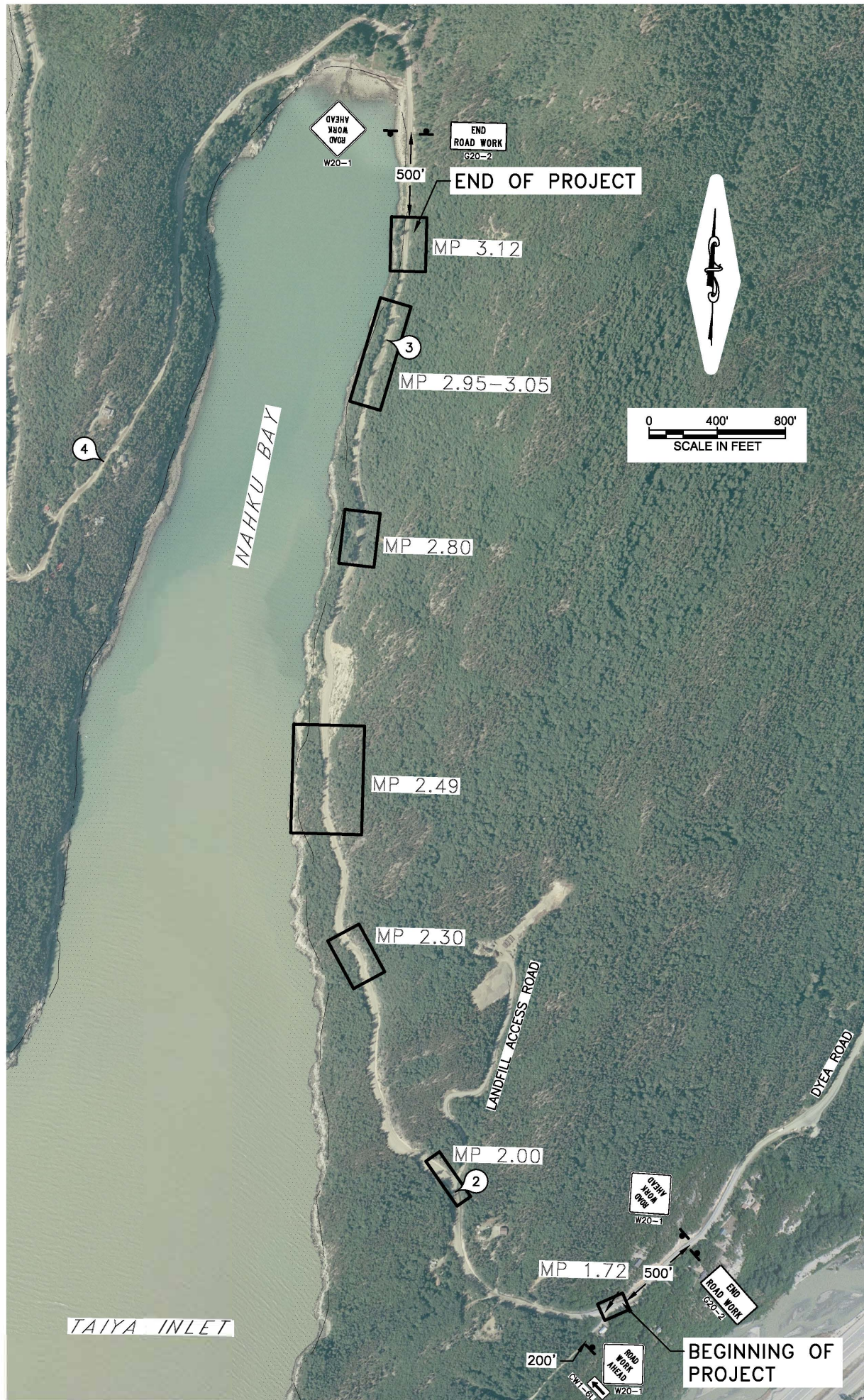
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PLANS DEVELOPED BY: HDR ENGINEERING, INC. 582 E 36TH AVE STE 500 ANCHORAGE, AK 99503-4169 (907) 644-2000 CERT. OF AUTH. AECC569	SHEET PROVIDED FOR INFORMATIONAL PURPOSES ONLY.	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  SGY DYEA ROAD #00049 - DEC 20 SE PR  CONSTRUCTION PHASING
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	T1	38



**TRAFFIC CONTROL NOTES:**

1. SUBMIT ALL TRAFFIC CONTROL PLANS TO THE ENGINEER FOR APPROVAL.
2. SINGLE LANE CLOSURE DRIVING LANES SHALL HAVE A MINIMUM WIDTH OF 10'-0" WITH A 25 MPH SPEED ADVISORY PLAQUE.
3. PLACE CONSTRUCTION SIGNS SUCH THAT THEY DO NOT OBSCURE EXISTING TRAFFIC SIGNS.
4. IF MULTIPLE SITES ARE UNDER ACTIVE CONSTRUCTION AT THE SAME TIME, USE A PILOT CAR OR MULTIPLE FLAGGER SETUPS AS NEEDED TO MOVE TRAFFIC SAFELY THROUGH THE PROJECT AREA. COORDINATE WORKZONE TRAFFIC CONTROL SUCH THAT TRAFFIC DELAYS DO NOT EXCEED THE DURATIONS SPECIFIED IN SECTION 643 OF THE SPECIAL PROVISIONS.
5. IF NIGHTTIME ROAD CLOSURES ARE NECESSARY, PLACE ONE PORTABLE CHANGEABLE MESSAGE BOARD SIGN AT THE INTERSECTION OF DYEA ROAD AND THE KLONDIKE HIGHWAY AND ONE NEAR DYEA ROAD MP 3.5 TO INFORM THE PUBLIC OF ROAD CLOSURE DATES AND TIMES. SEE SECTION 643 OF THE SPECIFICATIONS FOR ADDITIONAL DETAILS. PORTABLE CHANGEABLE MESSAGE BOARD SIGNS ARE NOT PART OF THE PERMANENT CONSTRUCTION SIGNS PLAN.

TRAFFIC CONTROL LEGEND	
	FLAGGER
	CONSTRUCTION SIGN
	DRUM
	CONE
	WARNING LIGHT
	TRAFFIC FOLLOW

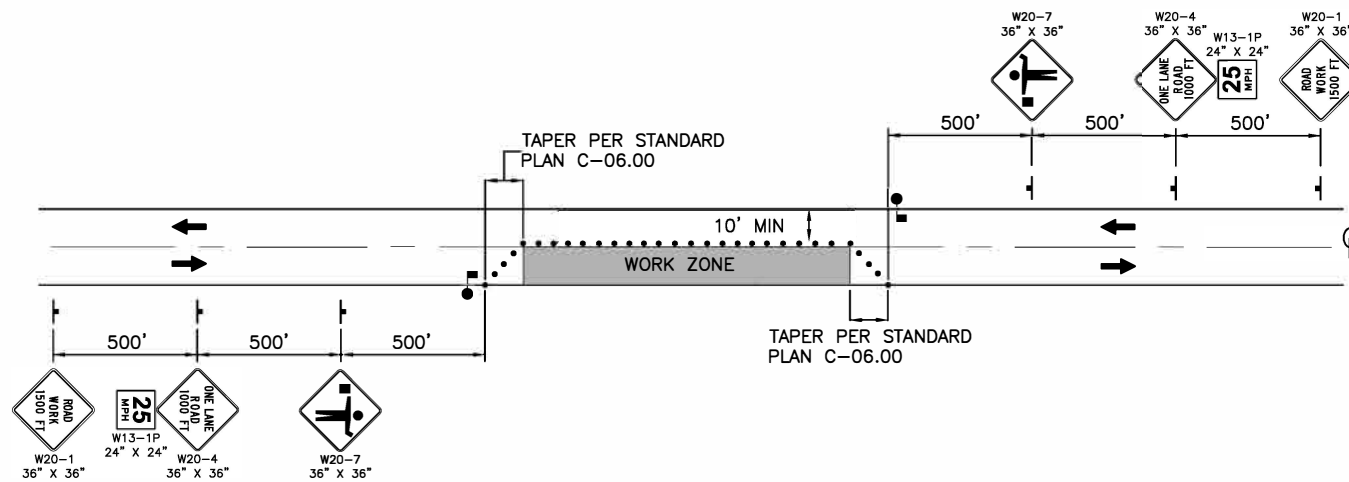
*MS 11/30/23*

<p>PLANS DEVELOPED BY: HDR ENGINEERING, INC. 582 E 36TH AVE STE 500 ANCHORAGE, AK 99503-4169 (907) 644-2000 CERT. OF AUTH. AECC569</p>	<p>TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012</p>	<p>STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES</p> <p>SGY DYEA ROAD #00049 - DEC 20 SE PR</p> <p>PERMANENT CONSTRUCTION SIGNS</p>
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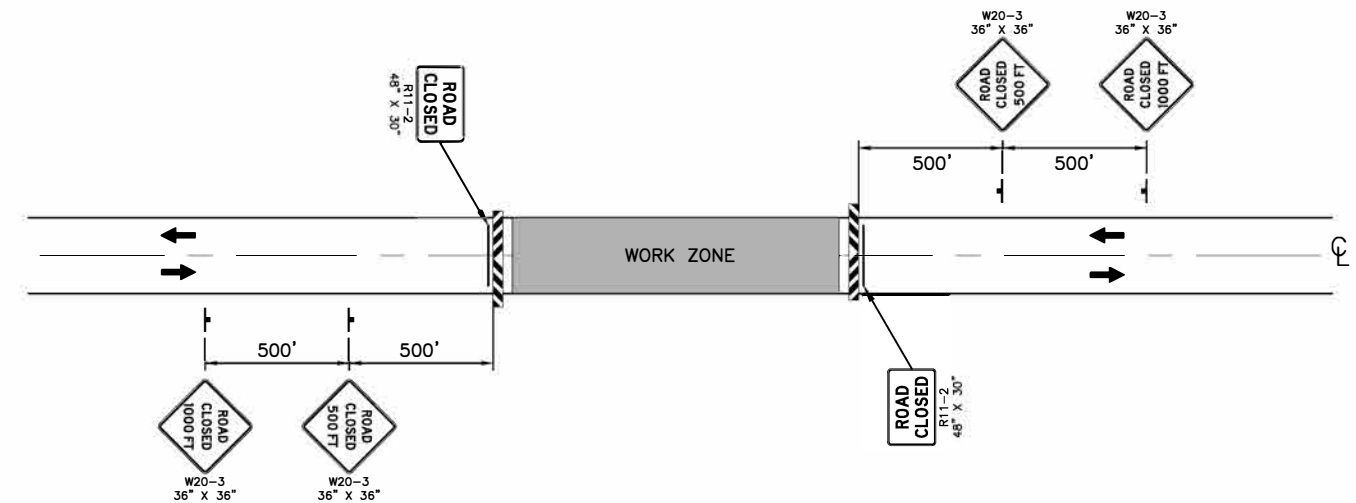
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00410	2022	T2	38

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**LANE CLOSURE ON TWO-LANE ROAD USING FLAGGERS**  
SEE MUTCD TYPICAL APPLICATION 10



**NIGHTTIME ROAD CLOSURE**



**TRAFFIC CONTROL LEGEND**

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

**LANE CLOSURE ON TWO-LANE ROAD USING FLAGGERS**

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

*MS 11/30/23*

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