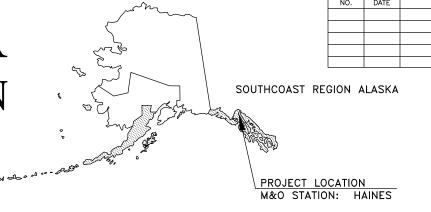
STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES

PROPOSED HIGHWAY PROJECT

HNS MOSQUITO LAKE ROAD 00044 - DEC 20 SE PR PROJECT NO. SDRER00408

GRADING, DRAINAGE, PAVING, AND SIDE SLOPE STABILIZATION



Ю.	DATE	REVISIONS	STATE	PROJECT DESIGNATION	١	YEAR	NO.	SHEETS
			ALASKA	SDRER00408		2022	A1	17
			ROUTE ID:	2021006X000	MILEF	POINT: 2.3	0-2.54	
			LATITUDE:	59.452029	LONGI	TUDE: -1	36.0291	57
N ALASKA			LATITUDE:	59.454386	LONGI	TUDE: -1	36.0283	52
			·					

PROJECT SUMMARY				
	MOSQUITO LAKE ROAD MPT 2.3 DI#461218	MOSQUITO LAKE ROAD MPT 2.5 DI#461643		
WIDTH OF PAVEMENT	24'	22'		
LENGTH OF PAVING	100'	30'		
LENGTH OF PROJECT	100'	30'		

DESIGN DE	SIGNATIONS
FUNCTIONAL CLASS	MINOR COLLECTOR
PROJECT TYPE	RECONSTRUCTION
ADT (2020)	20
ADT (2045)	21
DHV (2020)	3
DHV (2045)	3
PERCENT TRUCKS (T)	4.47
DIRECTIONAL SPLIT (D)	52/48
DESIGN SPEED (V)	35
DESIGN EAL'S (20 YEARS)	N/A

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

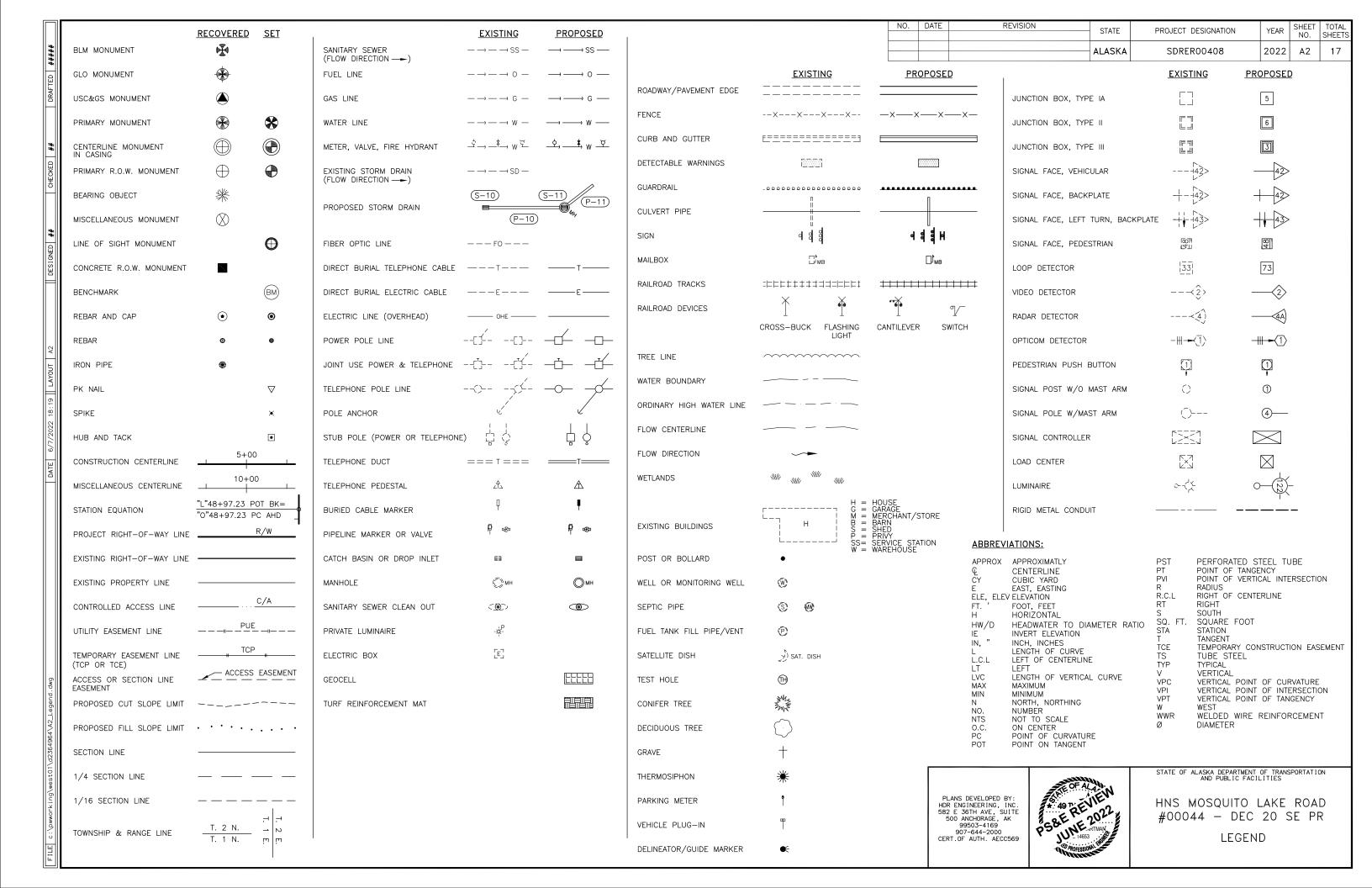
APPROVED:

KIRK REGIC PS&E REVIEW JUNE 2022

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

DATE

DATE 6/2/2022 8:32	PROJECT LOCATION MILEPOINT 2.30 TO 2.51
_TITLE.dwg	KLUKWAN REALITATION REALITATI
ILE c:\pwworking\west01\d2364964\00408_A1_TITLE.dwg	HAINES SCALE IN FEET HAINES



STE.
CHILKAI RNER ROAD LAK
MOSQUITO LA
LAKE TO
RIVER VIEW DR
RIVER L
0 1000' 2000' SCALE IN FEET
SCALE IN FEET
LA PARTIE DE LA PA
POND
HAINES HWY
KLEHINI RIVER

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00408	2022	А3	17

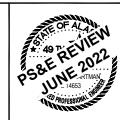
INDE>	OF SHEETS
SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2	LEGEND
A3	LAYOUT AND INDEX OF SHEETS
A4	SURVEY CONTROL
B1-B2	TYPICAL SECTIONS
C1	ESTIMATE OF QUANTITIES
D1	SUMMARY TABLES
E1-E2	DETAILS
F1-F2	PLAN AND PROFILE
Q1-Q2	EROSION SEDIMENT CONTROL PLAN
T1	TRAFFIC CONTROL PLAN
T2-T3	CONSTRUCTION TRAFFIC PHASING

THE FOLLOWING STANDARD PLANS APPLY: D-01.02, D-04.22, D-09.00, D-13.10, D-31.01 E-09.00 M-13.01

GENERAL NOTES:

- 1. MAKE ALL PAVEMENT CUTS CLEAN, VERTICAL, AND TRUE TO REMOVAL LIMITS SHOWN ON PLANS.
- 2. DO NOT MEASURE OFF THE PLANS.
- 3. ROW LINES WERE TAKEN FROM PLAT#67-172 HRD, OMINUBUS DEED, AND RS 2477. 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, SUITS 500 ANCHORAGE, AK 99503-4169 907-644-2000 CERT.OF AUTH. AECC569



STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

HNS MOSQUITO LAKE ROAD #00044 - DEC 20 SE PR

LAYOUT AND INDEX OF SHEETS

Horizontal Control Horizontal control for this project is based on the DOT&PF 24 to Border Grid System. It relates to Alaska State Plane Coordinate System Zone 1 NAD 83(1992) through the following parameters: Zone = NAD83 (1992) AKSPCS ZONE 1 Grid Scale = 0.9999368053340 Convergence = $-2^{\circ}05'52.52"$ AKSPCS Northing = 2792110.03294 FT US AKSPCS Easting = 2184249.465700 FT US Local Northing = 700000.00 FT US Local Easting = 500000.00 FT US Project Specific Horizontal Control 100: 2.5" Alcap Set 3.7' from EP Sub Graded 0.4'. North of Entrance to Mosquito Lake, Out Bound Lane 85.8' N18W from 4X4 Post Top of Private Driveway HNS-Grid N 701822.05 FT US, E 562325.95 FT US AKSPCS N 2791649.30 FT US , E 2246596.40 FT US 101: 2.5" Alcap Set 1.2' from EP Sub Graded 0.2'. North of Entrance to Mosquito Lake, South Of Culvert, Out Bound Lane 103.2' S10E from White Carsonite Post Over Inlet 18"CAP HNS-Grid N 701424.55 FT US, E 562115.73 FT US AKSPCS N 2791259.78 FT US , E 2246371.79 FT US 102: 2.5" Alcap Set 1.2' from EP Sub Graded 0.1'. North of Kelenhi Dirt Road in Pull Out, Out Bound Lane 49.5' S56E from 20" Spruce Tree W/Tag HNS-Grid N 700780.90 FT US, E 561964.35 FT US AKSPCS N 2790622.14 FT US , E 2246196.95 FT US

103:	2.5" Alcap S	Set 3.8' from Top Kelenhi Road Sub Graded 0.1'.
	40' From F	Road Intersection
	41.9' N18V	V from 12" Spruce Tree W/Tag
	HNS-Grid	N 700404.44 FT US, E 561997.90 FT US
	AKSPCS	N 2790244.73 FT US , E 2246216.70 FT US

104: 2.5" Alcap Set 2.4' From EP Sub Graded 0.1'. 72.4 'S23E From SE Corner of Shop 66.1' N25W from Corner Wood Shed Over Top Transformer HNS-Grid N 698439.48 FT US, E 561705.22 FT US AKSPCS N 2788291.93 FT US . E 2245852.30 FT US

101

BEGINING OF PROJECT CL Mosquito Lk Rd Mpt 2.5 STA:21+15

END OF PROJECT

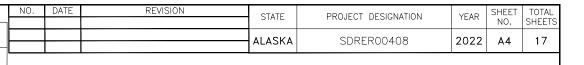
CL Mosquito Lk Rd Mpt 2.5"

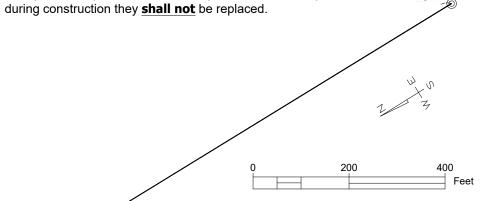
100

١.	Survey Control Table						
Э	Point #	Northing	Easting	Elevation	Description	Station	Offset
	100	701822.05	562325.95	191.19	ALCAP2"_ DOT&PF CONTROL	N\A	N\A
	101	701424.55	562115.73	159.74	ALCAP2"_ DOT&PF CONTROL	N\A	N\A
	102	700780.90	561964.35	235.59	ALCAP2"_ DOT&PF CONTROL	N\A	N\A
	103	700404.44	561997.90	245.09	ALCAP2"_ DOT&PF CONTROL	N\A	N\A
	104	698439.48	561705.22	238.63	ALCAP2"_ DOT&PF CONTROL	N\A	N\A

	MOSQUITO LAKE MPT 2.3 DESIGN ALIGNMENT						
SEGMENT	STATION	NORTHING	EASTING	STATION	RADIUS	LENGTH	DELTA
L1	10+00.00	700297.62	562048.02	10+46.68			
C1	10+46.68	700343.56	562039.75	11+64.97	500.00	118.29	13°33'18"
L2	11+64.97	700456.43	562005.27	12+16.74			
C2	12+16.74	700503.81	561984.41	13+84.03	455.00	167.29	21°03'58"
L3	13+84.03	700665.75	561946.33	13+94.02			

SEGMENT	STATION	NORTHING	EASTING	STATION	RADIUS	LENGTH	DELTA
L1	10+00.00	700297.62	562048.02	10+46.68			
C1	10+46.68	700343.56	562039.75	11+64.97	500.00	118.29	13°33'18"
L2	11+64.97	700456.43	562005.27	12+16.74			
C2	12+16.74	700503.81	561984.41	13+84.03	455.00	167.29	21°03'58"
L3	13+84.03	700665.75	561946.33	13+94.02			





MONUMENT NOTES:

All SURVEY CONTROL monuments in this table are provided

strictly for survey control. Should any of them be destroyed

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.

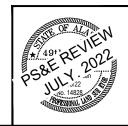
104

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.



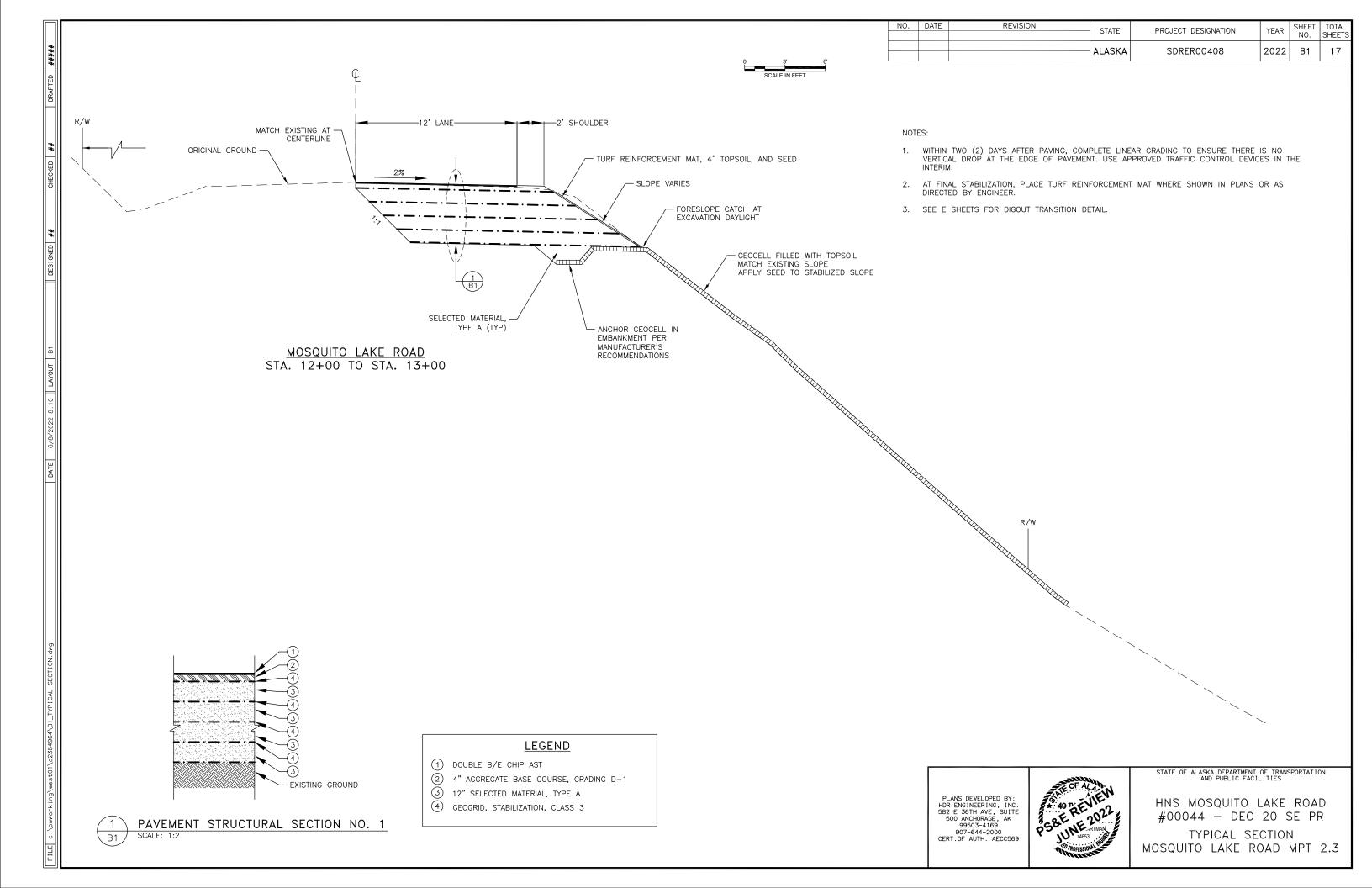
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

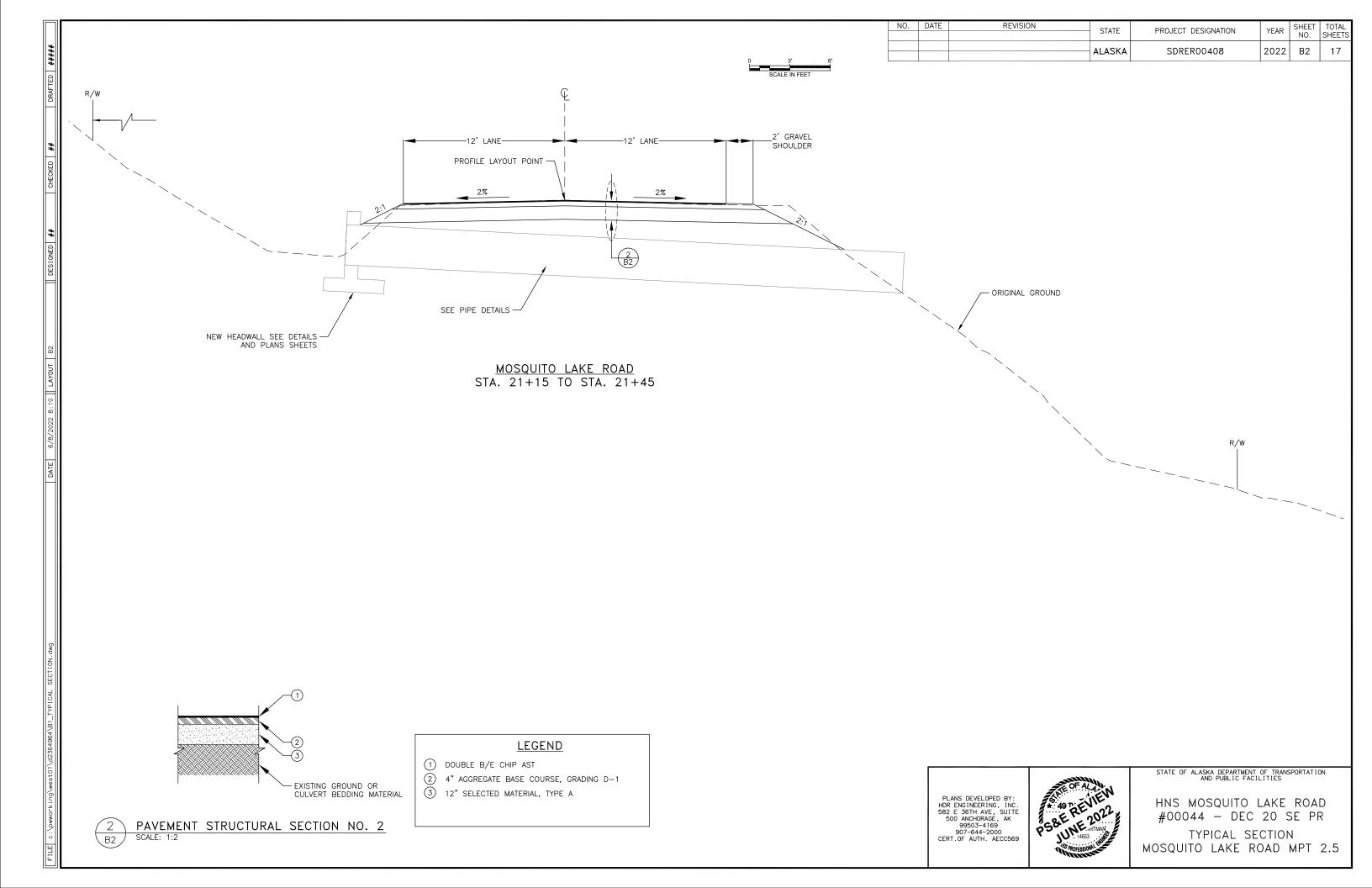
HNS MOSQUITO LAKE ROAD #00044 - DEC 20 SE PR

SURVEY CONTROL

3/A: 10, 46, 66
\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
MT: 57A: 11+64.95
103
BEGINING OF PROJECT CL Mosquito Lk Rd Mpt 2.3 STA:12+00
PC: STA: 12+16.74
END OF PROJECT
102 CL Mosquito Lk Rd Mpt 2.3 STA:13+00
102 CL Mosquito Lk Rd Mpt 2.3 STA:13+00
22

	MOSQUITO LAKE MPT 2.3 DESIGN ALIGNMENT								
SEGMENT	STATION	NORTHING	EASTING	STATION	RADIUS	LENGTH	DELTA		
C3	20+00.00	701413.27	562074.44	21+61.49	365.00	161.49	25°20'57"		
C4	21+61.49	701542.04	562169.69	22+50.54	716.00	89.05	7°07'34"		





ITEM NO.	PAY ITEM	PAY UNIT	MOSQUITO LAKE ROAD MPT 2.3 DI#461218	MOSQUITO LAKE ROAD MPT 2.5 DI#461643	TOTAL QUANTITY
			DI# 401210	D1#401043	
201.0003.0000	CLEARING AND GRUBBING	ACRE	0.1		0.1
201.2002.0000	INVASIVE PLANT SURVEY	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
201.2003.0000	INVASIVE PLANT SPECIES CONTROL, REMOVAL AND DISPOSAL	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
202.0002.0000	REMOVAL OF PAVEMENT	SQUARE YARD	134	80	214
202.0004.0000	REMOVAL OF CULVERT PIPE	LINEAR FOOT		43	43
203.0003.0000	UNCLASSIFIED EXCAVATION	CUBIC YARD	227	45	273
203.0006.000A	BORROW, TYPE A	TON	388	70	458
203.2038.0000	DITCH LINEAR GRADING	STATION	1.8	0.2	2
301.0001.00D1	AGGREGATE BASE COURSE, GRADING D-1	TON	36	20	56
405.2001.0000	DOUBLE B/E CHIP AST	SQUARE YARD	132	84	217
403.2001.0000	,	SQUARE TARD	132	04	217
501.2007.0002	HEADWALL, TYPE II	EACH		1	1
603.0001.0036	CSP 36 INCH	LINEAR FOOT		40	40
611.0001.0002	RIPRAP, CLASS II	CUBIC YARD		55	55
618.0002.0000	SEEDING	POUND	6.3	1.3	8
619.2002.0000	TURF REINFORCEMENT MAT	SQUARE YARD	116		116
019.2002.0000	TORE REINFORCEMENT MAT	SQUARE TARD	110		110
620.0001.0000	TOPSOIL	SQUARE YARD	465	95	560
634.0001.0000	GEOGRID, STABILIZATION, CLASS 1	SQUARE YARD	740		740
634.2000.0000	GEOCELL	SQUARE YARD	311		311
640.0001.0000	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
641.0001.0000	EROSION, SEDIMENT AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
641.0005.0000	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL BY DIRECTIVE	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
641.0006.0000	WITHHOLDING	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
641.0007.0000	SWPPP MANAGER	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
642.0001.0000	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRE
642.0003.0000	THREE PERSON SURVEY PARTY	HOUR	4	4	8
643.0002.0000	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
643.0003.0000	PERMANENT CONSTRUCTION SIGNS	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
643.0023.0000	TRAFFIC PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
643.0025.0000	TRAFFIC CONTROL	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
643.0032.0000	FLAGGING	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
644.0001.0000	FIELD OFFICE	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
644.0006.0000	VEHICLE	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
644.2004.0000	ENGINEERING COMMUNICATIONS	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
646.0001.0000	CPM SCHEDULING	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRE
646.2000.0000	SCHEDULE PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
647.2000.0000	WIDE PAD DOZER, 65-HP MINIMUM	CONTINGENT SUM	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
	ESCP CHANGES BY DIRECTIVE	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00408	2022	C1	17

	BASIS OF ESTIMATE	
ITEM NO.	PAYITEM	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
	CRS-2P ASPHALT FOR SURFACE TREATMENT	243 GAL/TON
	CRS-2P ASPHALT FOR B AGGREGATE LAYER	0.6 GAL/SYD
405.2001.0000	CRS-2P ASPHALT FOR E AGGREGATE LAYER	0.55 GAL/SYD
	GRADE B AGGREGATE FOR SURFACE TREATMENT	55 LB/SYD
	GRADE E AGGREGATE FOR SURFACE TREATMENT	30 LB/SYD
618.0002.0000	SEEDING	SEE SPECIFICATIONS
618.0002.0000	SEEDING	SEE SPECIFICATIONS

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



STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

HNS MOSQUITO LAKE ROAD #00044 - DEC 20 SE PR ESTIMATE OF QUANTITIES

	[202.0002.0000] REMOVAL OF PAVEMENT									
SHEET	STA	TION	REMOVAL OF PAVEMENT	REMARKS						
SHEET	FROM	ТО	(SY)	REMARKS						
F1	12+00	13+00	133.3							
F2	21+15	21+45	80.0							
		SUBTOTAL:	213.3							
	ROUNDED PAY I	TEM QUANTITY:	214							

	202.000	4.0000]	REMOVAL	OF	CULVERT	PIPE
SHEET	STATION	OFFSET	LENGTH (FT)		REMAR	KS
F2	21+30	CL	43			
		SUBTOTAL:	43			
	ROUNDED PAY ITEM QUANTITY:					

	[634.000	1.0001]	GEOGR	ID, STAE	BILIZATIO	DN, CLASS 1
SHEET	STATION		LENGTH	WIDTH	AREA	AREA	REMARKS
SHEET	FROM	ТО	(FT)	(FT)	(FT ²)	(YD ²)	REMARKS
	12+00	13+00	100.0	14.7	1,468.0	163.1	TOP LAYER, BETWEEN D-1 AND SELECT A
	12+05	12+96	91.2	15.3	1,393.5	154.8	2ND LAYER, 1' BELOW 1ST
F1	12+09	12+92	83.4	15.9	1,325.2	147.3	3RD LAYER, 2' BELOW 1ST
	12+13	12+88	75.3	16.5	1,241.7	138	4TH LAYER, 3' BELOW 1ST
	12+17	12+84	67.3	17.1	1,150.8	127.9	5TH/BOTTOM LAYER, 4' BELOW 1ST
					SUBTOTAL:	731.1	
				ROUNDED PAY	ITEM QUANTITY:	740	

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	SDRER00408	2022	D1	17

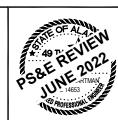
	[634.2000.0000] GEOCELL									
SHEET	STA	TION	LENGTH	AREA	AREA (SY)	REMARKS				
SHEET	FROM	то	(FT)	(FT) (FT ²)		KEMAKKS				
F1	12+17	12+83	66	2794	310.4					
				SUBTOTAL:	3104					
			ROUNDED PAY I	TEM QUANTITY:	311					

	[611.0001.0002] - RIPRAP, CLASS II									
SHEET	STATION	OFFSET	LENGTH (FT)	X-SECTION AREA (FT ²)	VOLUME (FT ³)	VOLUME (CY)	REMARKS			
F2	21+30	RT	42.0	35.2	1,477.3	54.7				
				SUBTOTAL:	54.7					
				ROUNDED PAY I	TEM QUANTITY:	55				

	[618.0002.0000] SEEDING									
SHEET	STA	TION	OFFSET	WEIGHT	REMARKS					
SIILLI	FROM	ТО	OFFSET (LB)	REMARKS						
F1	12+00	13+00	LT/RT	6.3						
F2	21+15	21+45	LT/RT	1.3						
			SUBTOTAL:	7.6						
	<u> </u>	ROUNDED PAY	ITEM QUANTITY:	8						

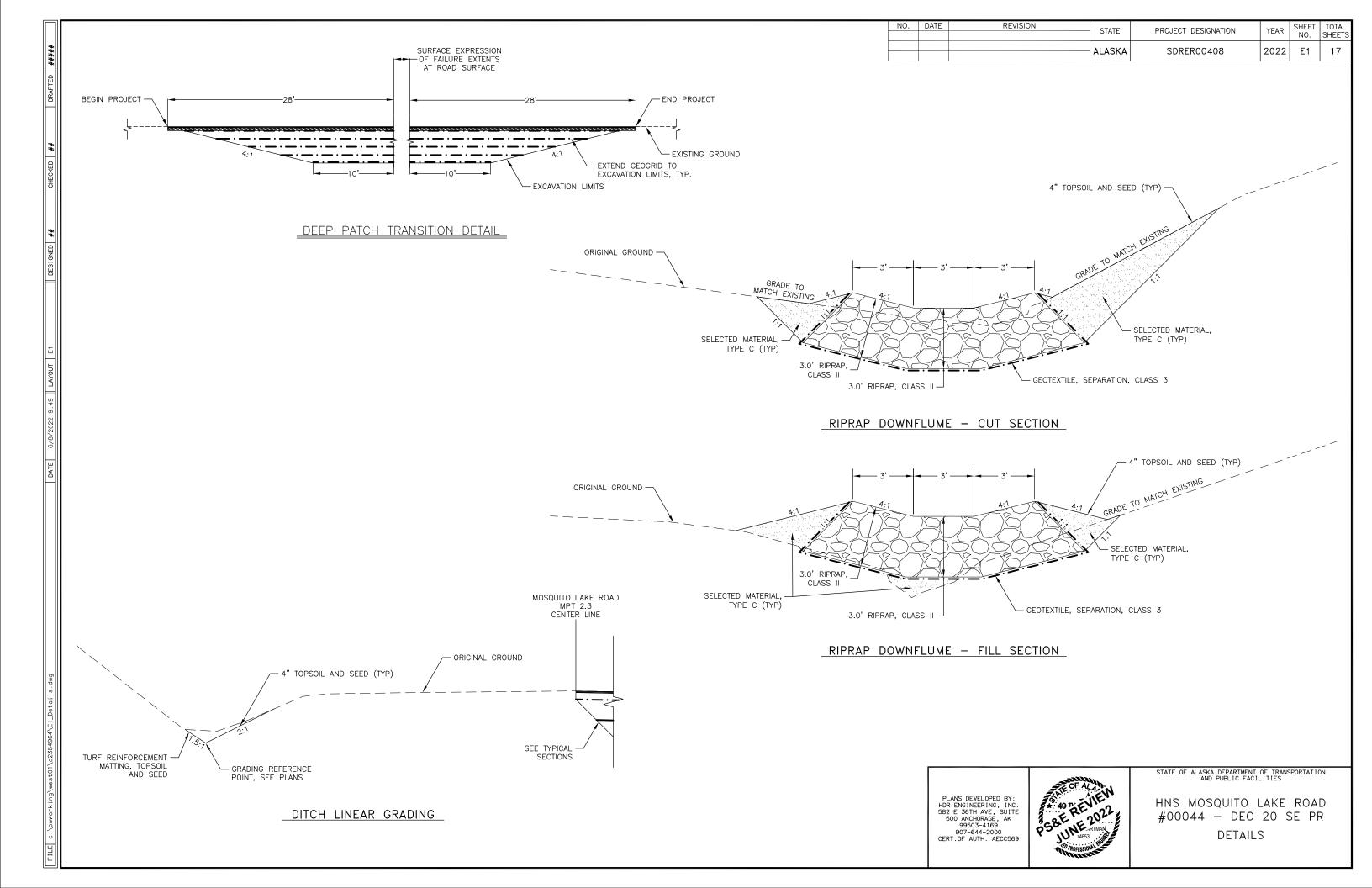
	[620.0001.0000] TOPSOIL									
SHEET	STATION		AREA	REMARKS						
SHEET	FROM	то	(SY)	REMARNS						
F1	12+00	13+00	465.3							
F2	21+15	21+45	94.5							
		SUBTOTAL:	559.8							
	ROUNDED PAY I	TEM QUANTITY:	560							

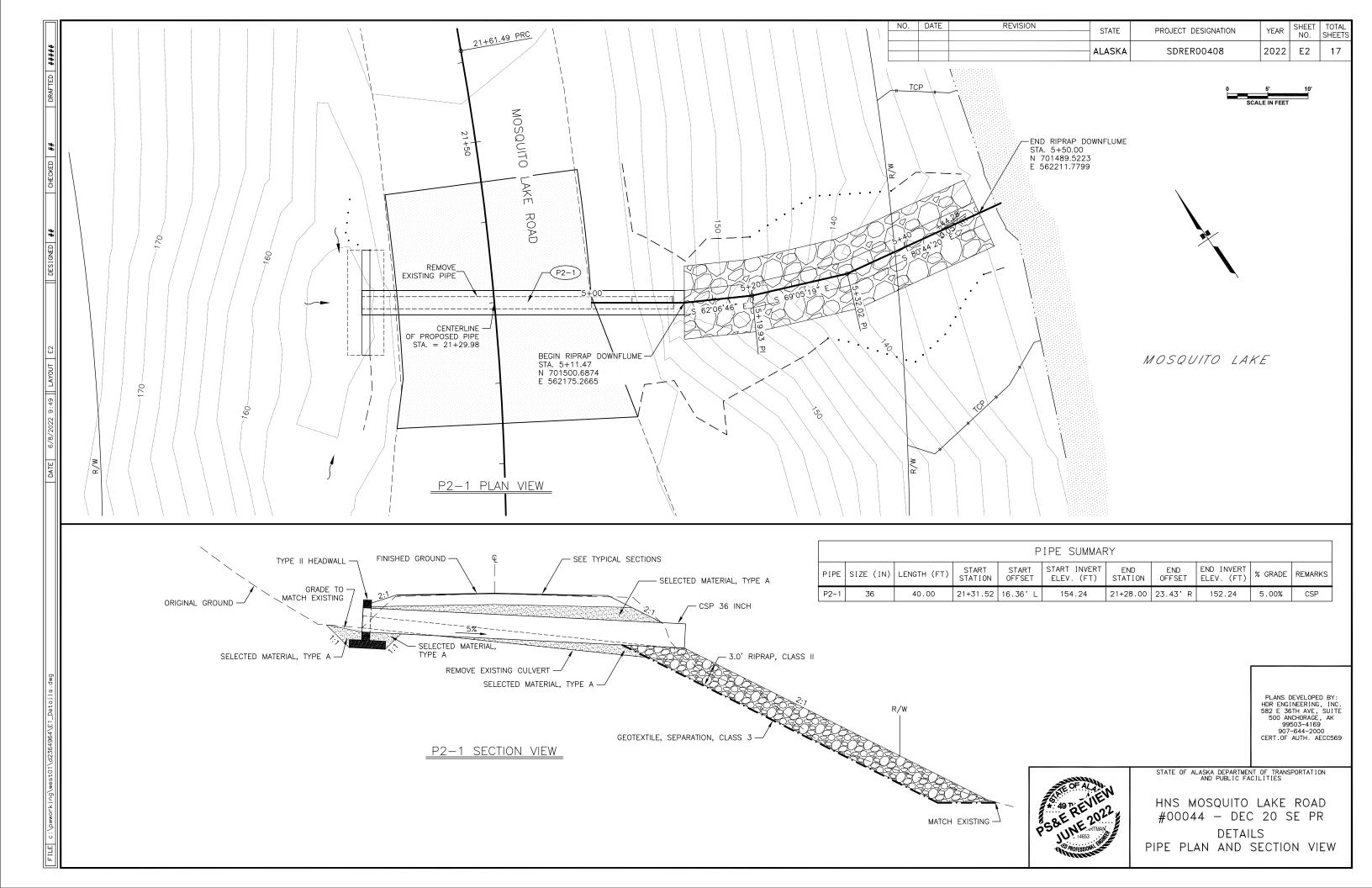
PLANS DEVELOPED BY: HOR ENGINEERING, INC. 582 E 36TH AVE, SUITE 500 ANCHORAGE, AK 99503-4169 907-644-2000 CERT. OF AUTH. AECC569

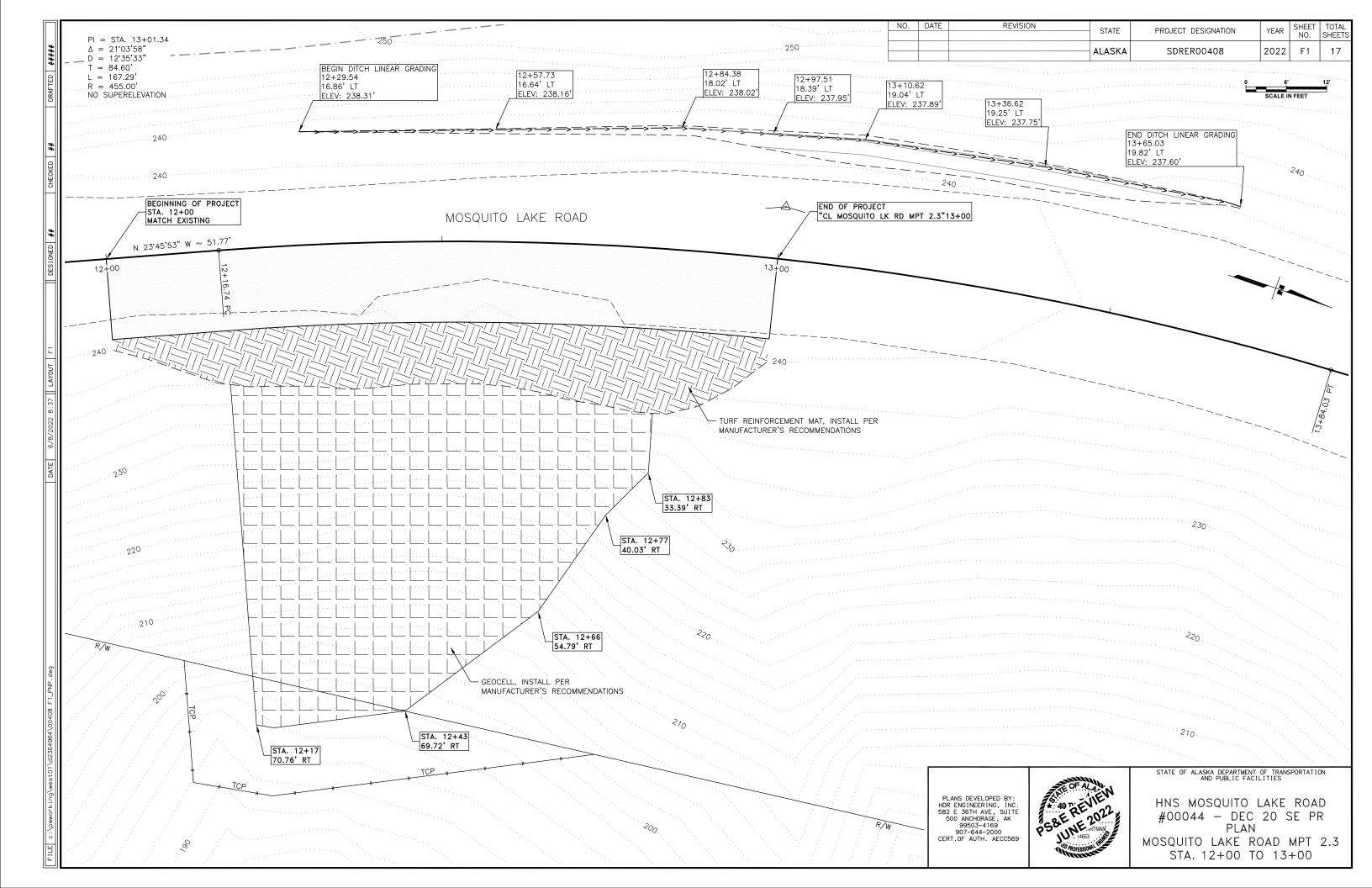


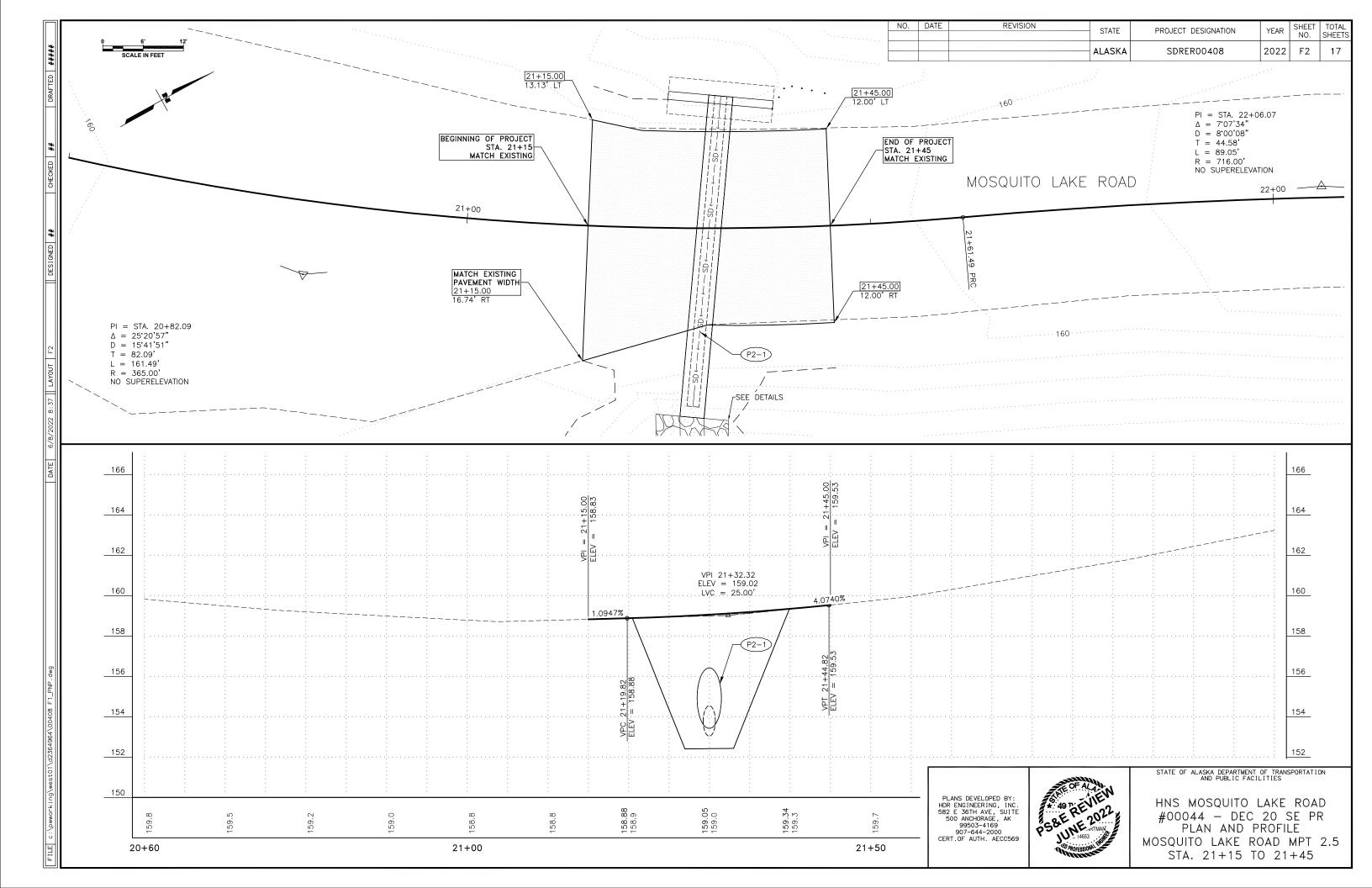
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

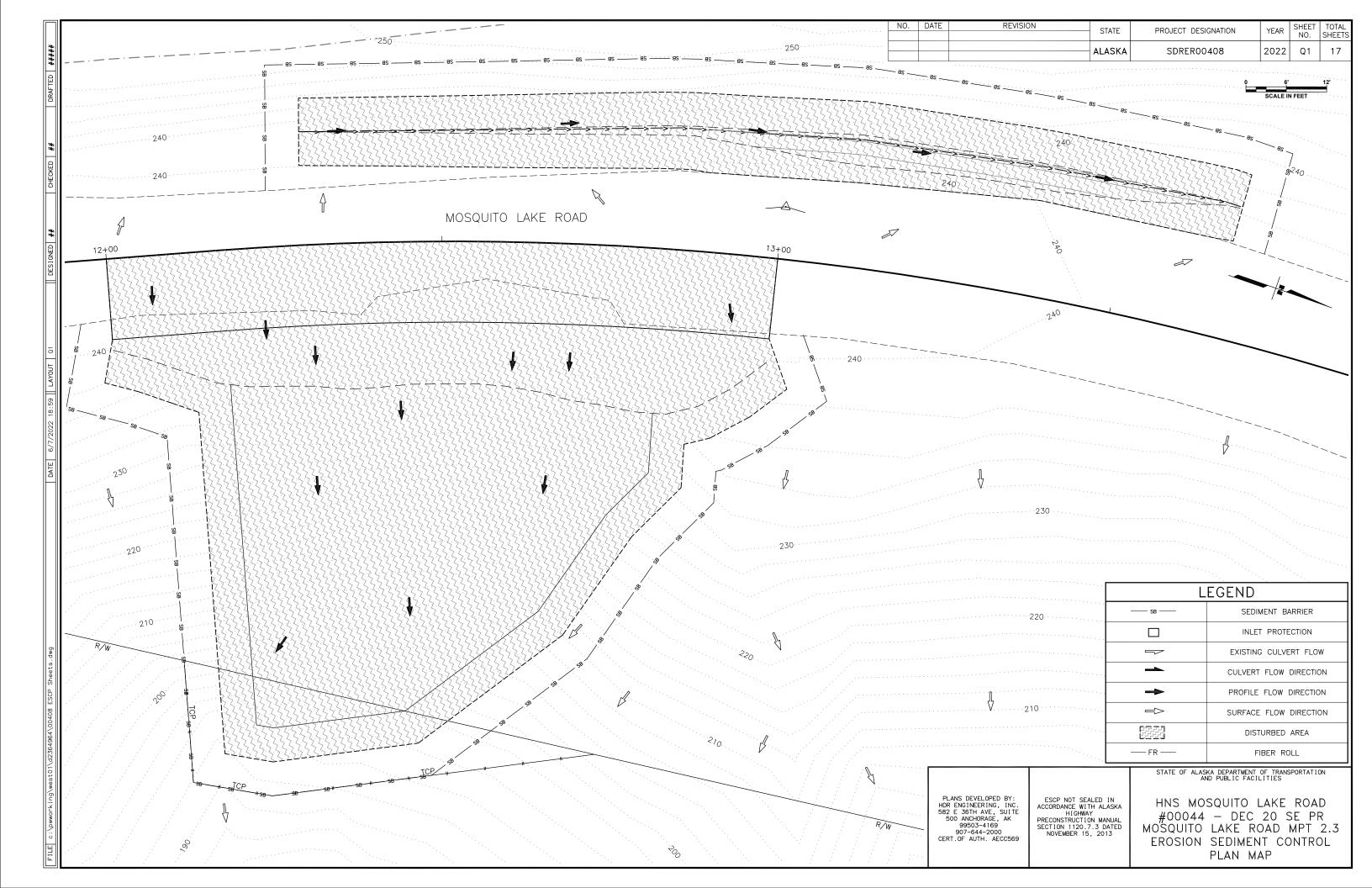
HNS MOSQUITO LAKE ROAD #00044 - DEC 20 SE PR SUMMARY TABLES

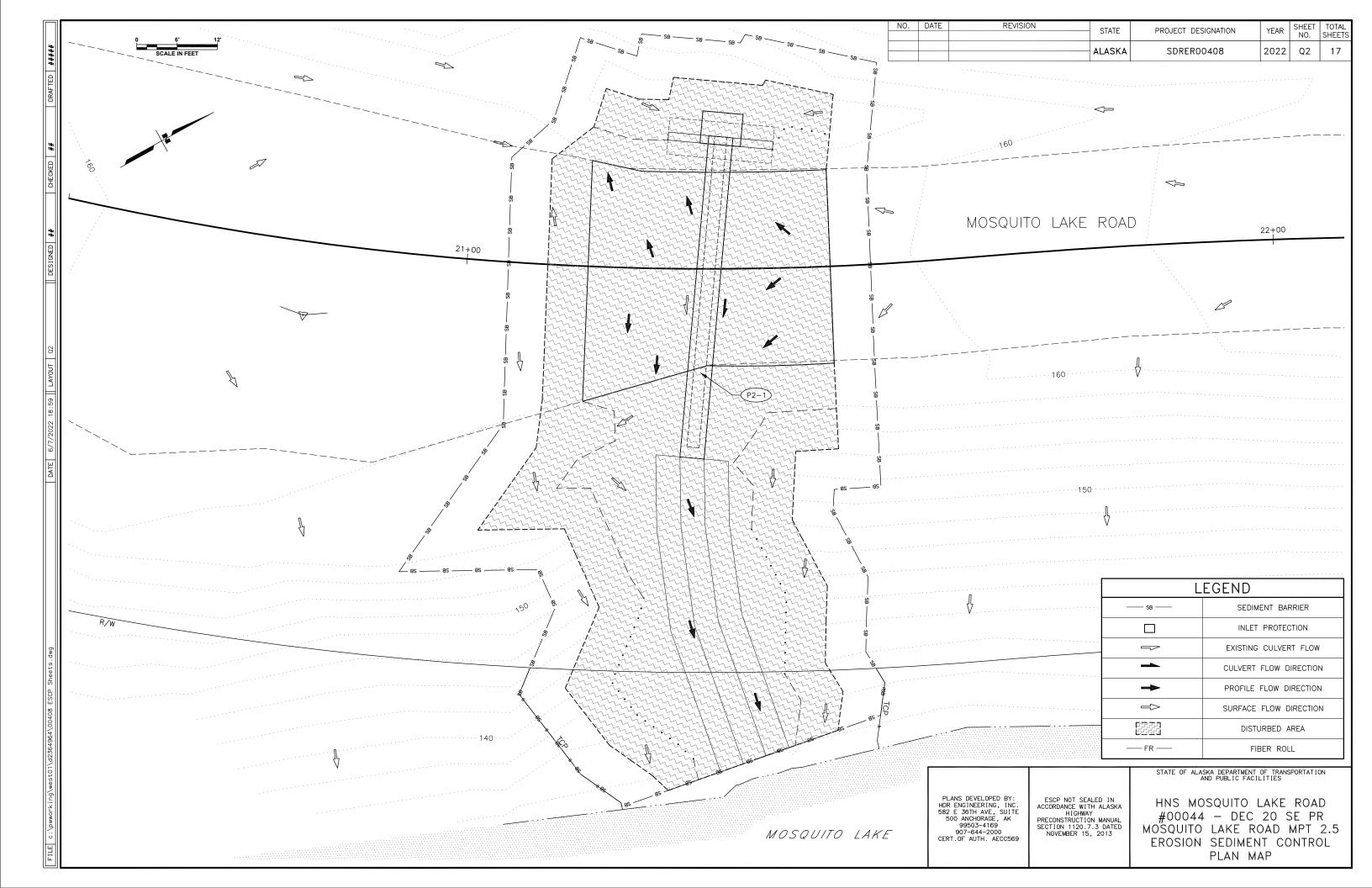












TCP SETUP TABLE					
SPEED 25 (MPH) OR BELOW	MIN NUMBER OF DEVICES WIDTH OF OFFSET (W) IN FT.			MAX DEVICE SPACING ALONG TANGENT	BUFFER SPACE
	10'	11'	12'	(FT)	(FT)
	6 DEVICES EVENLY SPACED			50	155

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:

MP 2.3

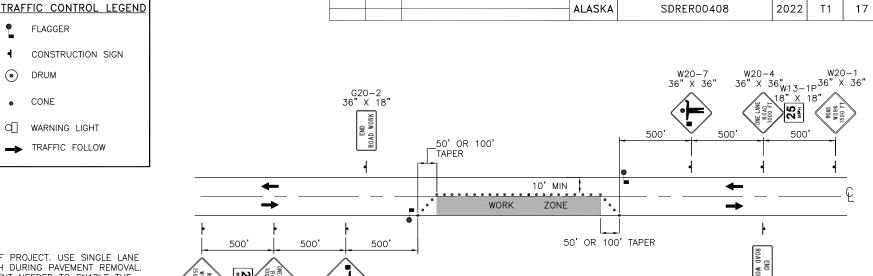
- REMOVE PAVEMENT FROM BEGINNING TO END OF PROJECT. USE A SINGLE LANE CLOSURE DURING PAVEMENT REMOVAL
- EXCAVATE THE NORTHBOUND LANE EMBANKMENT TO THE DATUM OF PAVEMENT STRUCTURAL SECTION. USE A SINGLE LANE CLOSURE TO REACH DESIRED DEPTH. UTILIZE MUTCD TYPICAL APPLICATION 10 FOR TRAFFIC CONTROL SETUP.
- CONSTRUCT EMBANKMENT AND PAVE ROAD AS SHOWN IN TYPICAL SECTION. MAINTAIN SINGLE LANE CLOSURE DURING PAVEMENT OPERATIONS.

MP 2.5

- REMOVE PAVEMENT FROM BEGINNING TO END OF PROJECT. USE SINGLE LANE
- CLOSURES AND SWAP TRAFFIC BACK AND FORTH DURING PAVEMENT REMOVAL. EXCAVATE THE NORTHBOUND LANE TO THE EXTENT NEEDED TO ENABLE THE REMOVAL AND REPLACEMENT OF THE FIRST HALF OF THE CULVERT. MAINTAIN A SINGLE LANE OF TRAFFIC ON THE SOUTHBOUND LANE. UTILIZE MUTCD TYPICAL APPLICATION 10 FOR TRAFFIC CONTROL SETUP.

•

- CUT AND REMOVE THE FIRST PORTION OF EXISTING CULVERT AND REPLACE WITH THE FIRST HALF OF THE PROPOSED CORRUGATED STEEL PIPE.
- PLACE PIPE BEDDING AND CONSTRUCT EMBANKMENT ON THE NORTHBOUND LANE AS SHOWN IN TYPICAL SECTION UNTIL THE GRADE IS BROUGHT UP TO THE EXTENT NECESSARY TO PROTECT THE PIPE AND CREATE A TEMPORARY TRAFFIC
- TRENCH THE SOUTHBOUND LANE TO THE EXISTING CULVERT. REMOVE REMAINDER OF EXISTING CULVERT AND REPLACE WITH REMAINDER OF THE PROPOSED CORRUGATED STEEL PIPE. USE SINGLE LANE CLOSURES AND SWAP TRAFFIC BACK AND FORTH AS NEEDED TO PERFORM PIPE WORK AND BRING THE GRADE UP EVEN WITH THE TEMPORARY TRAFFIC LANE ELEVATION.



REVISION

STATE

PROJECT DESIGNATION

NO. DATE

W20 - 4

36" X 36"

36" X 36'

SHEET NO.

SHEET

YEAR

G20-2 36" X 18'



