

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
MAINTENANCE & OPERATIONS

PROPOSED HIGHWAY PROJECT

0851072/NFWY00539

COPPER RIVER BOAT LAUNCH FACILITIES
IMPROVEMENTS (FLAP)

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THE FOLLOWING STANDARD PLANS APPLY TO THIS PROJECT:
S-00.12, 2-01.02, S-05.02, S-30.05, S-31.02, S-32.02



PROJECT AREA VICINITY MAP

DANIEL S. ADAMCZAK, P.E., NR M&O PROJECT MANAGER
ARTEM E. RUPPERT, P.E., NR M&O DESIGN ENGINEER

PROJECT DESIGNATION	DATE	SHEET NO.	TOTAL SHEETS
0851072/NFWY00539	JAN 2022	1	31
RTE: 198000/104000X000 MILEPOINT: 1.35 TO 1.5			

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

APPROVED BY:

Jason M. Sakalaskas, P.E.
M&O Chief, Northern Region

ACCEPTED FOR CONSTRUCTION

Joseph P. Kemp, P.E.
Acting Regional Director, Northern Region

X:\projects\misc\ncorffhy no 1.5 camground upgrade\ncorffhy no 1.5 camground upgrade\June 2016 BM-Legend Jan 27, 2022 - 11:37am
PLANS DEVELOPED BY: STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES, NORTHERN REGION, 2301 PEGER ROAD, FAIRBANKS, AK 99709 (907)451-2200

RECOVERED		SET	EXISTING		PROPOSED	EXISTING		PROPOSED	EXISTING		PROPOSED
BLM MONUMENT			SANITARY SEWER (FLOW DIRECTION →)			ROADWAY/PAVEMENT EDGE			JUNCTION BOX, TYPE IA		
GLO MONUMENT			FUEL LINE			FENCE			JUNCTION BOX, TYPE II		
USC&GS MONUMENT			GAS LINE			CURB AND GUTTER			JUNCTION BOX, TYPE III		
PRIMARY MONUMENT			WATER LINE			DETECTABLE WARNINGS			SIGNAL FACE, VEHICULAR		
CENTERLINE MONUMENT IN CASING			METER, VALVE, FIRE HYDRANT			GUARDRAIL			SIGNAL FACE, BACKPLATE		
PRIMARY R.O.W. MONUMENT			EXISTING STORM DRAIN (FLOW DIRECTION →)			CULVERT PIPE			SIGNAL FACE, LEFT TURN, BACKPLATE		
BEARING OBJECT			PROPOSED STORM DRAIN			SIGN			SIGNAL FACE, PEDESTRIAN		
MISCELLANEOUS MONUMENT			FIBER OPTIC LINE			MAILBOX			LOOP DETECTOR		
LINE OF SIGHT MONUMENT			DIRECT BURIAL TELEPHONE CABLE			RAILROAD TRACKS			VIDEO DETECTOR		
CONCRETE R.O.W. MONUMENT			DIRECT BURIAL ELECTRIC CABLE			RAILROAD DEVICES			RADAR DETECTOR		
BENCHMARK			ELECTRIC LINE (OVERHEAD)			TREE LINE			OPTICOM DETECTOR		
REBAR AND CAP			POWER POLE LINE			WATER BOUNDARY			PEDESTRIAN PUSH BUTTON		
REBAR			JOINT USE POWER & TELEPHONE			ORDINARY HIGH WATER LINE			SIGNAL POST W/O MAST ARM		
IRON PIPE			TELEPHONE POLE LINE			FLOW CENTERLINE			SIGNAL POLE W/MAST ARM		
PK NAIL (ALSO MIDPOINT OF TIMBER CURB END) ▽			POLE ANCHOR			FLOW DIRECTION			SIGNAL CONTROLLER		
SPIKE			STUB POLE (POWER OR TELEPHONE)			WETLANDS			LOAD CENTER		
HUB AND TACK			TELEPHONE DUCT			EXISTING BUILDINGS			LUMINAIRE		
CONSTRUCTION CENTERLINE			TELEPHONE PEDESTAL			POST OR BOLLARD			RIGID METAL CONDUIT		
MISCELLANEOUS CENTERLINE			BURIED CABLE MARKER			WELL OR MONITORING WELL					
STATION EQUATION			PIPELINE MARKER OR VALVE			SEPTIC PIPE					
PROJECT RIGHT-OF-WAY LINE			CATCH BASIN OR DROP INLET			FUEL TANK FILL PIPE/VENT					
EXISTING RIGHT-OF-WAY LINE			MANHOLE			SATELLITE DISH					
EXISTING PROPERTY LINE			SANITARY SEWER CLEAN OUT			TEST HOLE					
CONTROLLED ACCESS LINE						CONIFER TREE					
EXISTING EASEMENT LINE						DECIDUOUS TREE					
PROPOSED EASEMENT LINE						GRAVE					
PROPOSED CUT SLOPE LIMIT						THERMOSIPHON					
PROPOSED FILL SLOPE LIMIT						PARKING METER					
SECTION LINE						VEHICLE PLUG-IN					
1/4 SECTION LINE						DELINEATOR/GUIDE MARKER					
1/16 SECTION LINE											
TOWNSHIP & RANGE LINE											
MEANDER LINE											

PLAN VIEW KEY

STATION
DIAMETER X LENGTH

INSTALL CULVERT PIPE

REMOVE CULVERT PIPE

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

NO.	DATE	REVISION

SHEET: 2 of 31	COPPER RIVER BOAT LAUNCH FACILITIES IMPROVEMENTS (FLAP) LEGEND
DATE: JAN 2022	
0851072/NFHWY00539	

STATE OF ALASKA
Department of Transportation and Public Facilities
Maintenance & Operations
Northern Region

STATE OF ALASKA
49 TH
ARTEM E. RUPPERT
C.E. 12477
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY: STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES, NORTHERN REGION, 2301 PEGER ROAD, FAIRBANKS, AK 99709 (907)451-2200
X:\projects\misc\mccarthy mp 1.5 campground upgrade\mccarthy mp1.5 campground expansion\9 Drafting\NFHWY00539_Control-A3 Thu, Jan/20/22 03:34pm

GENERAL NOTES

1. VERIFY HORIZONTAL AND VERTICAL CONTROL PRIOR TO USE. ON MULTI YEAR PROJECTS, VERIFY ALL CONTROL ON A SEASONAL BASIS.
2. BACKGROUND MAPPING IS SHOWN FOR ORIENTATION PURPOSES ONLY. THIS SHEET DOES NOT PURPORT TO DEPICT RIGHT OF WAY.
3. ALL DISTANCES SHOWN ARE GROUND DISTANCES, IN U.S. SURVEY FEET.
4. THIS PROJECT IS LOCATED ENTIRELY WITHIN A MODIFIED STATE PLANE PROJECTION.

PROJECTION DEFINITION:
NAME: CHITINA SPZ3 MOD
LINEAR UNIT: U.S. SURVEY FOOT (SFT)
DATUM: NAD83(2011)
PROJECTION: TRANSVERSE MERCATOR
CENTRAL MERIDIAN AND GRID ORIGIN: 146°W
LATITUDE OF ORIGIN: 54°N
FALSE NORTHING: -112.7360 SFT
FALSE EASTING: 1640405.4846 SFT
SCALE FACTOR AT ORIGIN: 0.999941007 (EXACT)

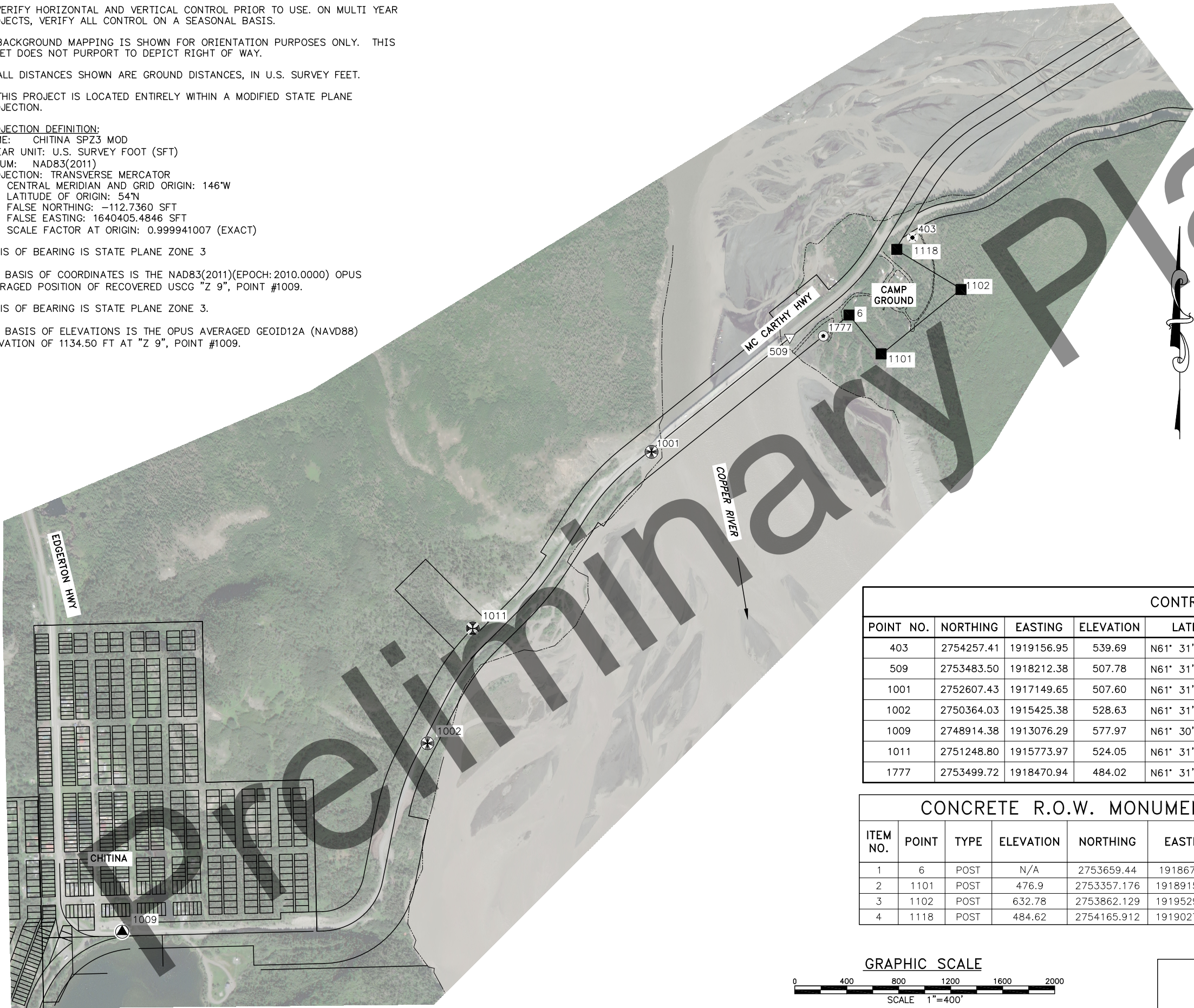
BASIS OF BEARING IS STATE PLANE ZONE 3

THE BASIS OF COORDINATES IS THE NAD83(2011)(EPOCH:2010.0000) OPUS AVERAGED POSITION OF RECOVERED USCG "Z 9", POINT #1009.

BASIS OF BEARING IS STATE PLANE ZONE 3.

THE BASIS OF ELEVATIONS IS THE OPUS AVERAGED GEOID12A (NAVD88) ELEVATION OF 1134.50 FT AT "Z 9", POINT #1009.

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0851072/NFHWY00539	2022	3	31



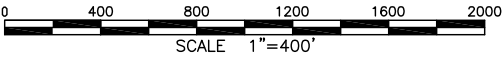
LEGEND

- NGS MONUMENT FOUND
- BLM MONUMENT FOUND
- PRIMARY MONUMENT FOUND
- REBAR AND CAP FOUND
- SPIKE SET
- METAL PIN
- CONCRETE R.O.W. MONUMENT

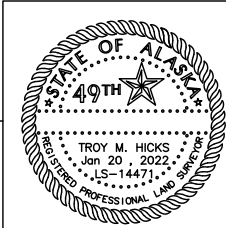
CONTROL MONUMENTS						
POINT NO.	NORTHING	EASTING	ELEVATION	LATITUDE	LONGITUDE	DESCRIPTION
403	2754257.41	1919156.95	539.69	N61° 31' 44.9256"	W144° 24' 10.3876"	SPIKE SET
509	2753483.50	1918212.38	507.78	N61° 31' 37.5352"	W144° 24' 30.2513"	PK MRKW SPLITPIN
1001	2752607.43	1917149.65	507.60	N61° 31' 29.1667"	W144° 24' 52.5997"	PRIM MON FND ROW GPS-01 RLS5131 2001
1002	2750364.03	1915425.38	528.63	N61° 31' 07.4955"	W144° 25' 29.2619"	PRIM MON FND ROW GPS-02 RLS5131 2001
1009	2748914.38	1913076.29	577.97	N61° 30' 53.7825"	W144° 26' 18.3932"	USCG MON Z9 1923
1011	2751248.80	1915773.97	524.05	N61° 31' 16.1217"	W144° 25' 21.6360"	BLM MON C6 S11758 1997
1777	2753499.72	1918470.94	484.02	N61° 31' 37.6327"	W144° 24' 24.9127"	REBAR CAP FND ROW S8689 2007

CONCRETE R.O.W. MONUMENT NEAR PROJECT							
ITEM NO.	POINT	TYPE	ELEVATION	NORTHING	EASTING	LATITUDE	LONGITUDE
1	6	POST	N/A	2753659.44	1918670.79	N/A	N/A
2	1101	POST	476.9	2753357.176	1918915.098	N/A	N/A
3	1102	POST	632.78	2753862.129	1919529.748	N/A	N/A
4	1118	POST	484.62	2754165.912	1919027.793	N/A	N/A

GRAPHIC SCALE



SURVEY CONTROL



X:\projects\misa\mccarthy mp 1.5 camground upgrade\mccarthy mp1.5 camground expansion\3 Drafting\Tables & Notes-Tables & Notes
PLANS DEVELOPED BY: STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES, NORTHERN REGION, 2301 PEGER ROAD, FAIRBANKS, AK 99709 (907)451-2200

ESTIMATE OF QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
201.0009.0000	CLEARING & GRUBBING	LUMP SUM	ALL REQUIRED
202.0001.0000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LUMP SUM	ALL REQUIRED
203.0019.0000	UNCLASSIFIED EXCAVATION	LUMP SUM	ALL REQUIRED
203.2052.0000	ADDITIONAL EQUIPMENT, LABOR AND MATERIALS	CONTINGENT SUM	ALL REQUIRED
301.0004.00D1	AGGREGATE SURFACE COURSE, GRADING D-1	CUBIC YARD	2,513
304.0002.000F	SUBBASE, GRADING F	CUBIC YARD	700
603.0001.0012	CSP 12 INCH	LINEAR FEET	122
613.0002.0000	CULVERT MARKER POST	EACH	4
615.2002.0000	DELINEATOR, 72 INCH ON TREATED TIMBER CURB	EACH	2
618.0002.0000	SEEDING	POUND	8
622.0001.0000	REST AREA, RESTROOM FACILITY REPAIR	LUMP SUM	ALL REQUIRED
622.0004.0000	TREATED TIMBER CURB	LINEAR FEET	504
622.0006.0000	REST AREA SIGNS	SQUARE FOOT	232.6
622.0010.0000	FIREPLACE, FIRE RING ADA ACCESSIBLE	EACH	25
622.2002.0000	BEARPROOF GARBAGE CAN	EACH	8
622.2026.0000	DOUBLE CONCRETE VAULTED TOILET	EACH	1
622.2027.0000	BARRIER ROCK	EACH	30
622.2029.0000	ACCESSIBLE PICNIC TABLE ADA 8 FT	EACH	29
630.0002.0001	GEOTEXTILE, STABILIZATION, CLASS 1	SQUARE YARD	7,593
640.0004.0000	WORKER MEALS AND LODGING, OR PER DIEM	LUMP SUM	ALL REQUIRED
640.2001.0000	MOBILIZATION	LUMP SUM	ALL REQUIRED
641.0001.0000	EROSION, SEDIMENT AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQUIRED
641.0003.0000	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL	LUMP SUM	ALL REQUIRED
641.0004.0000	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL ADDITIVES	CONTINGENT SUM	ALL REQUIRED
641.0006.0000	WITHOLDING	CONTINGENT SUM	ALL REQUIRED
641.0007.0000	SWPPP MANAGER	LUMP SUM	ALL REQUIRED
642.0001.0000	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQUIRED
642.0003.0000	THREE PERSON SURVEY PARTY	hour	10
643.0002.0000	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED
644.0001.0000	FIELD OFFICE	LUMP SUM	ALL REQUIRED
644.0006.0000	VEHICLE	LUMP SUM	ALL REQUIRED
644.0015.0000	NUCLEAR TESTING EQUIPMENT STORAGE SHED	EACH	1
644.2002.0000	FIELD COMMUNICATIONS	CONTINGENT SUM	ALL REQUIRED
652.0001.0000	INTERIM WORK PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED

TABLE OF LUMP SUM QUANTITIES			
ITEM NO.	ITEM DESCRIPTION	ESTIMATED QUANTITY	NOTES
201.0009.0000	CLEARING AND GRUBBING	~1.0 ACRE	GENERALLY 20 FT BEYOND TOE OF SLOPE OF NEW FILL.
202.0001.0000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	~12 CAMPSITES	PICNIC TABLES AND ROCK FIRE RINGS
203.0019.0000	UNCLASSIFIED EXCAVATION	~1,876 CY	PARKING LOT 1,536 CY 3-POINT TURN POCKET 65 CY SILT REMOVAL FROM ROAD 26'x250'x1'-275 CY
622.0001.0000	REST AREA, RESTROOM FACILITY REPAIR	1 EA	WOODEN STRUCTURE PAINTING AND REPAIR, SEE 622 SPECIFICATIONS
644.0006.0000	VEHICLE	2 EA	SEE 644 SPECIFICATIONS

GENERAL NOTES:

- PROJECT IS LOCATED AT APPROXIMATELY MCCARTHY ROAD MP 1.5 NEAR COPPER RIVER BRIDGE.
- ALL CONSTRUCTION ACTIVITIES ARE TO OCCUR WITHIN EXISTING RIGHT-OF-WAY.
- CLOSEST SOURCE OF BORROW BEING MADE AVAILABLE IS SOUTH LIBERTY FALLS PIT MS#850-032-5 LOCATED AT THE EDGERTON HWY MP 23.8 (APPROXIMATELY 11 MILES AWAY FROM PROJECT). SEE APPENDIX E FOR MATERIAL SITE INSPECTION REPORT DATED 5/13/2014.
- ANOTHER AVAILABLE SOURCE OF SUBBASE, GRADING F AND AGGREGATE SURFACE COURSE, GRADING D-1 IS FROM THE STATE OF ALASKA DOT & PF WOOD PIT MS-850-085-5 AT MCCARTHY ROAD MP 26.5 (APPROXIMATELY 25 MILES FROM PROJECT), THIS MATERIAL SITE IS IDENTIFIED AS AVAILABLE TO THE CONTRACTOR FOR MATERIAL. SEE APPENDIX H FOR MATERIAL SITE INSPECTION REPORT DATED 8/6/2015.
- STATE OF ALASKA IS ALSO MAKING SURFACE COURSE, GRADING D-1 AVAILABLE FROM THE STOCKPILE AT KUSKULANA MATERIAL SITE AT MS 850-008-5. IT IS LOCATED AT THE MCCARTHY ROAD MP 17.3 (APPROXIMATELY 15.5 MILES AWAY). SEE APPENDIX G FOR INSPECTION REPORT DATED 5/14/2014 AND D-1 GRADATION REPORT.
- ANOTHER AVAILABLE PIT AS SOURCE OF RIPRAP (BARRIER ROCK) IS THE BURMA PIT (MS-71-1-006-5) LOCATED AT RICHARDSON HWY MP 74. SEE APPENDIX F FOR INSPECTION REPORT DATED 2/7/2010.
- PREPARE SECTIONS OF CAMP LOOP ROAD FOR PLACEMENT OF AGGREGATE SURFACE COURSE, GRADING D-1 MATERIAL. REMOVE SURFACE SILT ACCUMULATIONS AND DISPOSE OFFSITE. APPROXIMATE LIMITS FOR SILT REMOVAL IS BETWEEN STA 21+50 TO 24+00 (SEE PLAN SHEET 6). THIS WORK IS SUBSIDIARY TO PAY ITEM 203.0019.0000 UNCLASSIFIED EXCAVATION.
- PREPARE SURFACE AT EXISTING CAMPGROUND ROADS BY BLADING TO SMOOTH OUT EXISTING IRREGULARITIES AND RECOMPACT BEFORE PLACING NEW AGGREGATE SURFACE COURSE, GRADING D-1 MATERIAL PER 203-3.03 SPECIFICATIONS. THIS WORK IS SUBSIDIARY TO THE 301.0004.0000 PAY ITEM.
- INSTALL 6 INCHES NOMINAL THICKNESS OF AGGREGATE SURFACE COURSE, GRADING D-1 AT EXISTING ROAD PRISM OF CAMPGROUND LOOP. PROJECT ENGINEER MAY SLIGHTLY CHANGE THICKNESS AND PROFILE AT SELECTED LOCATIONS. SEE PLANS FOR ROAD SECTION DIMENSIONS.
- CLEAR AND GRUB DESIGNATED AREA AT NEW PARKING LOT PER PLANS. LEAVE VEGETATION BUFFER BETWEEN ROAD AND PARKING LOT WHEREVER POSSIBLE.
- EXCAVATE PER TYPICAL SECTION, USE IN-SITU MATERIAL TO PRE-LEVEL EXISTING GROUND MATERIAL WITHIN THE PARKING PAD FOR CONSTRUCTION OF TYPICAL SECTION,
- BUILD ENTRANCE AND EXIT DRIVEWAYS TO NEW PARKING LOT AND SURFACE PER PLANS. USE BARRIER ROCK FOR ACCESS CONTROL PER PLANS.
- EXCAVATE SANDHILL & CLEAR TREES TO BUILD AN APPROXIMATELY 35'x100' LEVEL PAD NEAR COPPER RIVER LAUNCH SITE TO ASSIST BOATERS WITH 3-POINT TRAILER TURNAROUND MOVEMENT. THIS WORK IS SUBSIDIARY TO PAY ITEM 203.0019.0000 UNCLASSIFIED EXCAVATION.
- CLEAR TREES AND PREPARE GROUND TO INSTALL NEW PRE-FABRICATED CXT DOUBLE-VAULTED CONCRETE TOILET BUILDING, SEE PLANS AND 622 SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE FOR OBTAINING DEC PERMITS FOR NEW BUILDING INSTALLATION, SEE APPENDIX I. WORK TO EXCAVATE VAULT TO 2 FT DEPTH AND TO INSTALL BUILDING IS SUBSIDIARY TO PAY ITEM 622.2026.0000 DOUBLE CONCRETE VAULTED TOILET. SHOULD ADDITIONAL EXCAVATION BEYOND 2 FEET FROM VAULT BOTTOM IS NEEDED IT WILL BE SUBSIDIARY TO PAY ITEM 203.2052.0000 ADDITIONAL EQUIPMENT, LABOR AND MATERIALS.
- REPAIR, PAINT AND UPGRADE TO ADA-ACCESSIBLE STANDARDS EXISTING WOOD RESTROOM BUILDING-SEE 622 SPECIFICATIONS (SCOPE OF REPAIRS WILL BE FINALIZED BY DOT M&O FACILITIES FOR FINAL PS&E).

TABLE OF ESTIMATING FACTORS

ITEM NO.	ITEM DESCRIPTION	FACTOR
203.0006.0000	BORROW	2 TON/CY
301.0001.00D1	AGGREGATE SURFACE COURSE, GRADING D-1	2 TON/CY
304.0001.000F	SUBBASE, GRADING F	2 TON/CY

MISCELLANEOUS ABBREVIATIONS

- ADA = AMERICANS WITH DISABILITIES ACT

ADEC = ALASKA DEPT OF ENVIRONMENTAL CONSERVATION

APE = AREA OF POTENTIAL EFFECT

APPROX= APPROXIMATE

BMP = BEST MANAGEMENT PRACTICES

BOP = BEGINNING OF PROJECT

C = RUNOFF COEFFICIENT

CL = CENTERLINE

CFS = CUBIC FEET PER SECOND

CPP = STRUCTURAL PLATE PIPE

CY = CUBIC YEARD

DWPA = DRINKING WATER PROTECTION AREA

EA = EACH

EG = EXISTING GRADE

E.G. = EXAMPLE

ELEV = ELEVATION

ETC = ET CETERA

EOP = END OF PROJECT

EXIST = EXISTING

FG = FINAL GRADE
- FT = FEET

HWY = HIGHWAY

LAT = LATITUDE

LONG = LONGITUDE

MBTA = MIGRATORY BIRD TREATY ACT

MP = MILEPOST

IN = INCH

LT = LEFT

RT = RIGHT

RD = ROAD

SPPA = STRUCTURAL PLATE PIPE ARCH

SPP = STRUCTURAL PLATE PIPE

OC = ON CENTER

SHPO = STATE HISTORIC PRESERVATION OFFICE

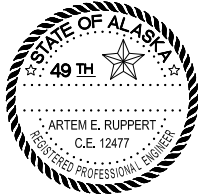
SHT = SHEET

SQ. MI. = SQUARE MILES

STA = STATION

SWPPP = STORM WATER POLLUTION AND PREVENTION PLAN

R/W OR ROW = RIGHT OF WAY (100 FT BOTH SIDES OF CL)



STATE OF ALASKA
Department of Transportation and Public Facilities
Maintenance & Operations
Northern Region

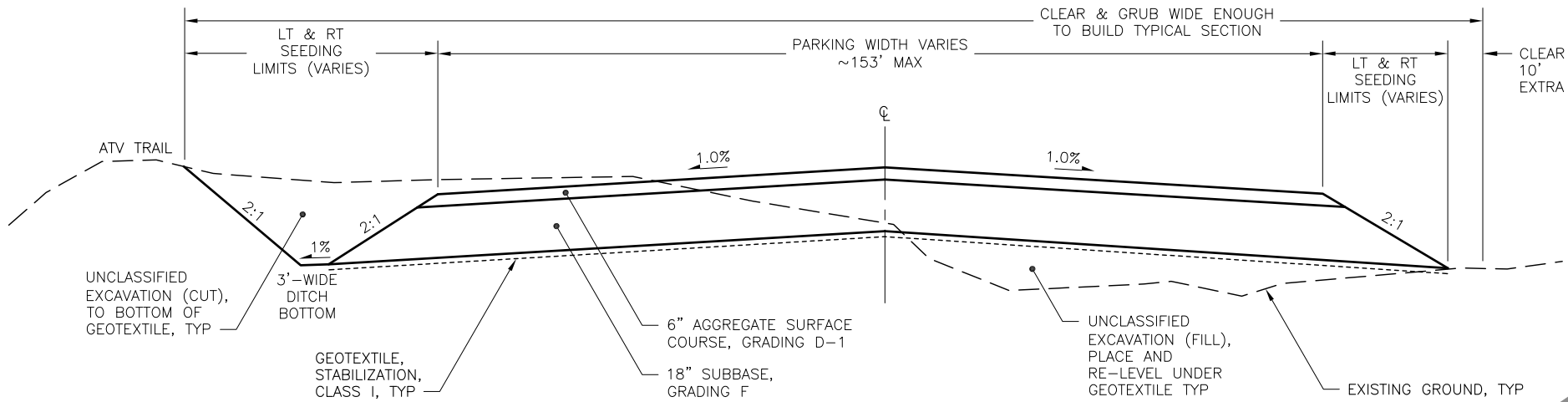
SHEET: 4 of 31

DATE: JAN 2022

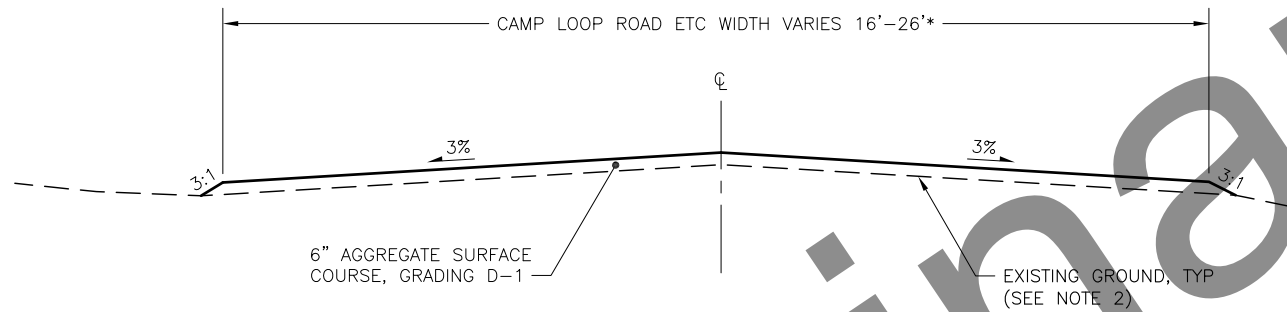
0851072/NFHWY00539

COPPER RIVER BOAT LAUNCH FACILITIES IMPROVEMENTS (FLAP)
ESTIMATE OF QUANTITIES

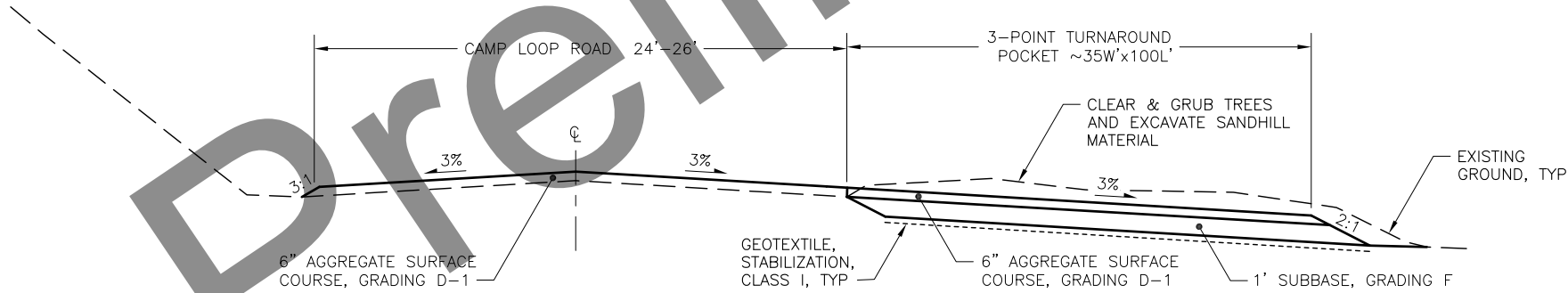
X:\projects\mccarthy mp 1.5 campground upgrade\mccarthy mp 1.5 campground expansion\3 Drafting\Tables & Notes-Road Typical Section
PLANS DEVELOPED BY: STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES, NORTHERN REGION, 2301 PEGER ROAD, FAIRBANKS, AK 99709 (907)451-2200
Feb 01, 2022 - 3:53pm



TYPICAL SECTION A, PARKING LOT
NO SCALE



TYPICAL SECTION B, CAMP LOOP ROAD (ENTRANCE FROM MCCARTHY RD
TO COPPER RIVER BOAT LAUNCH) AND CONNECTOR RD
NO SCALE



TYPICAL SECTION C, 3-POINT VEHICLE TURNAROUND POCKET (VICINITY OF THE COPPER RIVER BOAT LAUNCH)
NO SCALE

TYPICAL SECTION A NOTES:

1. PARKING GRADIENT IS 0.5% SLOPING AWAY WEST.
2. SHAPE OF PARKING LOT IS IRREGULAR, SEE PLANS SHEET 6 FOR LAYOUT DETAILS. APPROXIMATE PARKING LOT DIMENSIONS ARE 153'W x 211'L.
3. CLEAR AND GRUB VEGETATION WITHIN THE LIMITS OF PARKING LOT AND TYPICAL SECTION FOOTPRINT. THIS WORK IS SUBSIDIARY TO PAY ITEM 201.0009.0000 CLEARING AND GRUBBING.
4. USE CLEAN UNCLASSIFIED EXCAVATION TO CONSTRUCT LEVEL AREA UNDER THE EMBANKMENT.
5. PROOF-ROLL THE LEVEL AREA UNDER NEW PARKING LOT EMBANKMENT PRIOR TO PLACING NEW EMBANKMENT MATERIAL, TO THE EXTENT THAT ENSURES THE FIRST LIFT OF MATERIAL PLACED UPON IT CAN BE COMPACTED TO THE SPECIFIED DENSITY. THIS WORK IS SUBSIDIARY TO ITEM 203.0019.0000 UNCLASSIFIED EXCAVATION.

TYPICAL SECTION B NOTES:

1. GENERALLY FOLLOW PROFILE OF EXISTING CAMP LOOP ROAD. PLACE NOMINAL 6" AGGREGATE SURFACE COURSE, GRADING D-1. MODIFIED D-1 MATERIAL FROM STATE OF ALASKA DOT&PF M&O KUSKULANA STOCKPILE AT MATERIAL SITE 850-008-5 (MCCARTHY RD MP 17.3) MAY BE USED.
2. SCARIFY EXISTING SURFACE UP TO 6 INCHES OR AS DIRECTED BY THE ENGINEER PRIOR TO PLACEMENT OF D-1 SURFACING MATERIAL AND RECOMPACT PER 203-3.03. WORK IS SUBSIDIARY TO PAY ITEM 301.0004.00D1 AGGREGATE SURFACE COURSE, GRADING D-1.
3. WIDTH OF EXISTING ROAD VARIES FROM 16 TO 26 FEET. PROJECT ENGINEER WILL MAKE FINAL FIELD DETERMINATION ABOUT EXACT WIDTHS REQUIRED TO UPGRADE CAMPGROUND LOOP ROAD. TIE IN TO CAMPGROUND INDIVIDUAL CAMPSITE APRONS AS NEEDED. WORK IS SUBSIDIARY TO PAY ITEM 301.0004.00D1.
4. ONE SECTION OF CAMP ROAD REQUIRES REMOVAL OF APPROXIMATELY 250'L X 26'W x 1'H SECTION OF WIND-BLOWN SILT FROM ROAD. THIS WORK IS SUBSIDIARY TO ITEM 203.0019.0000 UNCLASSIFIED EXCAVATION.

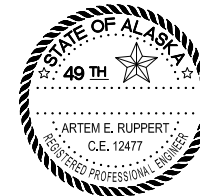
***ROAD WIDTHS DETAILS**

24 FT ROAD WIDTH (AVERAGE): CAMP LOOP (1,629 LF)
CONNECTOR ROAD CN 281.00' (26' WIDE)
PULL-THROUGH 1 (PT 1) 129.39' (20' WIDE)
PULL-THROUGH 2 (PT 2) 175.57' (20' WIDE)
PULL-THROUGH 3 (PT 3) 148.54' (20' WIDE)
DEAD-END (DE) 163.57' (16' WIDE)

TYPICAL SECTION C NOTES:

1. REMOVE AND DISPOSE OF TREES AND SAND ACCUMULATION WITHIN THE LIMITS AS NECESSARY FOR 3-POINT TURNAROUND POCKET CONSTRUCTION. THIS WORK IS SUBSIDIARY TO ITEM 203.0019.0000 UNCLASSIFIED EXCAVATION.
2. CONTRACTOR IS RESPONSIBLE FOR SURVEY STAY WITHIN ROW. INSTALL TREATED TIMBER CURB ALONG THE PERIMETER OF POCKET. SEE PLAN SHEETS 6 & 17.
3. TURN POCKET SHOULD NOT SLOPE MORE THAN 3% IN ANY DIRECTION.

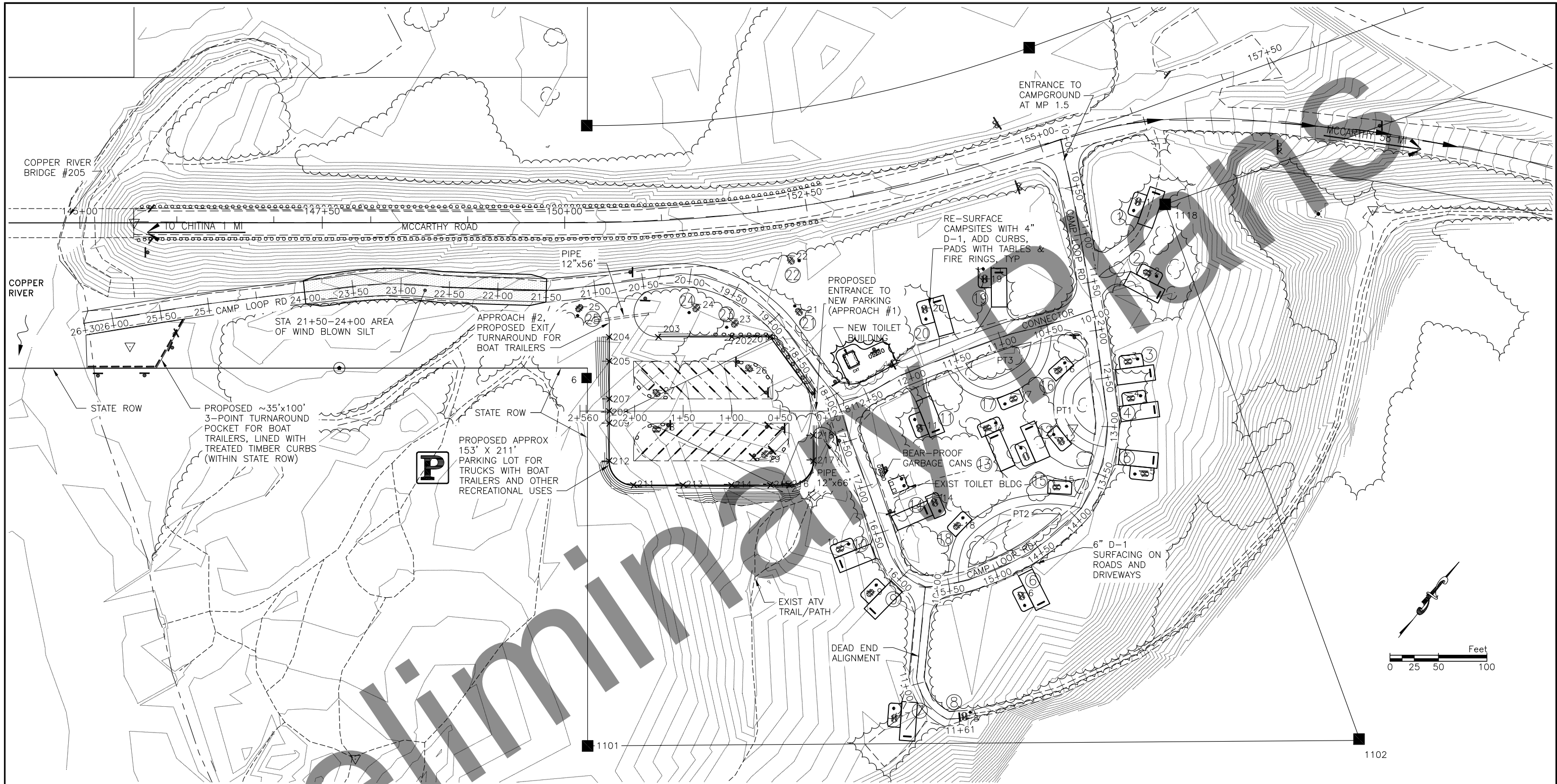
NO.	DATE	REVISION



STATE OF ALASKA
Department of Transportation and Public Facilities
Maintenance & Operations
Northern Region


SHEET: 5 of 31	COPPER RIVER BOAT LAUNCH FACILITIES IMPROVEMENTS (FLAP)
DATE: JAN 2022	
0851072/NFWY00539	TYPICAL SECTION


\\vofregus\mold\MOE\M40-01\Projects\Misc\McCarthy MP 1.5 Campground Upgrade\MP1.5 Campground Expansion\9 Drafting\NFWY00539_C-working file-Plan Feb 01, 2022 - 3:53pm
PLANS DEVELOPED BY: STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES, NORTHERN REGION, 2301 PEGER ROAD, FAIRBANKS, AK 99709 (907)451-2200





McCARTHY ROAD MP 1.5 CAMPGROUND IMPROVEMENTS PLAN


LEGEND OF NON-STANDARD SYMBOLOGY


- 


FOOTPRINT OF A 8' ADA PICNIC TABLE AND A FIRE RING, 25'x13'. ORIENTATION CHANGES TO FIT LOCAL CONDITIONS.
- 


16'x40' OR 20'x40' SINGLE PARKING VEHICLE STALL WITH TREATED TIMBER CURB BUMPER (20'x40' FOR RV'S WHERE SPACE ALLOWS) AT EACH CAMPSITE 1-20
- 


3'-4' BARRIER ROCK (USED FOR ACCESS CONTROL)
- 


~48"L x 43"H x 26"W BEAR-PROOF TRASH CAN
- 


SIGNS (SEE SIGN SUMMARY AND OTHER PLAN SHEETS FOR LEGEND & DETAILS)
- 


ADA FIRE RING (30"-32" DIA, 17"-23" TALL, WITH CONCRETE ANCHOR).
- 

REGULAR CAR PARKING 12'x20' STALL WITH 8"x8"x8' TREATED TIMBER CURB BUMPER (LINES SHOWN ONLY FOR SIZING)
- 

8"x8"x8' TREATED TIMBER CURB
- 

PULL-THRU TRUCK & BOAT TRAILER PARKING 12'x 55' STALL (LINES SHOWN ONLY FOR SIZING), LINED WITH 10"x8' TREATED TIMBER CURBS
- 

16'x14' DOUBLE WOODEN VAULTED RESTROOM (IMPROVE EXISTING STRUCTURE)
- 

12'Wx17'Lx12'H CXT, INC. DOUBLE CONCRETE VAULTED RESTROOM (NEW STRUCTURE)
- 






CAMPSITE SPOT MARKER (SHOWN SCHEMATICALLY, SEE SHEET 18)
- 

TABLE POINT OR PAD PERIMETER POINT
- 

8' ADA PICNIC TABLE, WITH CONCRETE ANCHOR
- 

16'x14' DOUBLE WOODEN VAULTED RESTROOM (IMPROVE EXISTING STRUCTURE)
- 

12'Wx17'Lx12'H CXT, INC. DOUBLE CONCRETE VAULTED RESTROOM (NEW STRUCTURE)
- 


CAMPSITE SPOT MARKER (SHOWN SCHEMATICALLY, SEE SHEET 18)
- 

TABLE POINT OR PAD PERIMETER POINT

MISCELLANEOUS ALIGNMENT DETAILS:

- CAMP LOOP (CL) 1,629.62 FT-LONG (18'-26"W)
- CONNECTOR (CN) 281 FT (26' WIDE)
- PULL-THROUGH 1 (PT1) 129.39 FT (20' WIDE)
- PULL-THROUGH 2 (PT2) 175.57 FT (20' WIDE)
- PULL-THROUGH 3 (PT3) 148.54 FT (20' WIDE)
- DEAD-END (DE) 163.57 FT (16' WIDE)
- PARKING LOT C/L (PLL) 256.4 FT



NO.	DATE	REVISION

STATE OF ALASKA Department of Transportation and Public Facilities Maintenance & Operations Northern Region	
SHEET: 6 of 31	COPPER RIVER BOAT LAUNCH FACILITIES IMPROVEMENTS (FLAP)
DATE: JAN 2022	PLAN LAYOUT
0851072/NFWY00539	

1. PICNIC TABLE LOCATIONS ARE APPROXIMATE. THEY CAN BE MODIFIED BY THE ENGINEER TO BETTER FIT LOCAL CONDITIONS. SEE PLAN SHEET 6.
2. PICNIC TABLE IS INSTALLED ON THE CAMPSITE GRAVEL PAD NEXT TO PARKING AREA GRAVEL PAD, SEE TYPICAL SECTION SHEET 20.
3. SEE 622 SPECIFICATIONS FOR PICNIC TABLE AND FIRE RINGS SPECIFICATIONS & REQUIREMENTS.
4. FIRE RING IS ADJACENT TO PICNIC TABLE, SEE SHEET 20 FOR DETAILS.
5. PICNIC TABLES IN PARKING LOT SHALL BE PLACED ACCORDING TO SHEET 8.
6. NOT ALL PICNIC TABLES HAVE ASSOCIATED FIRE RING. SEE TABLE OF QUANTITIES THIS SHEET FOR DETAILS.

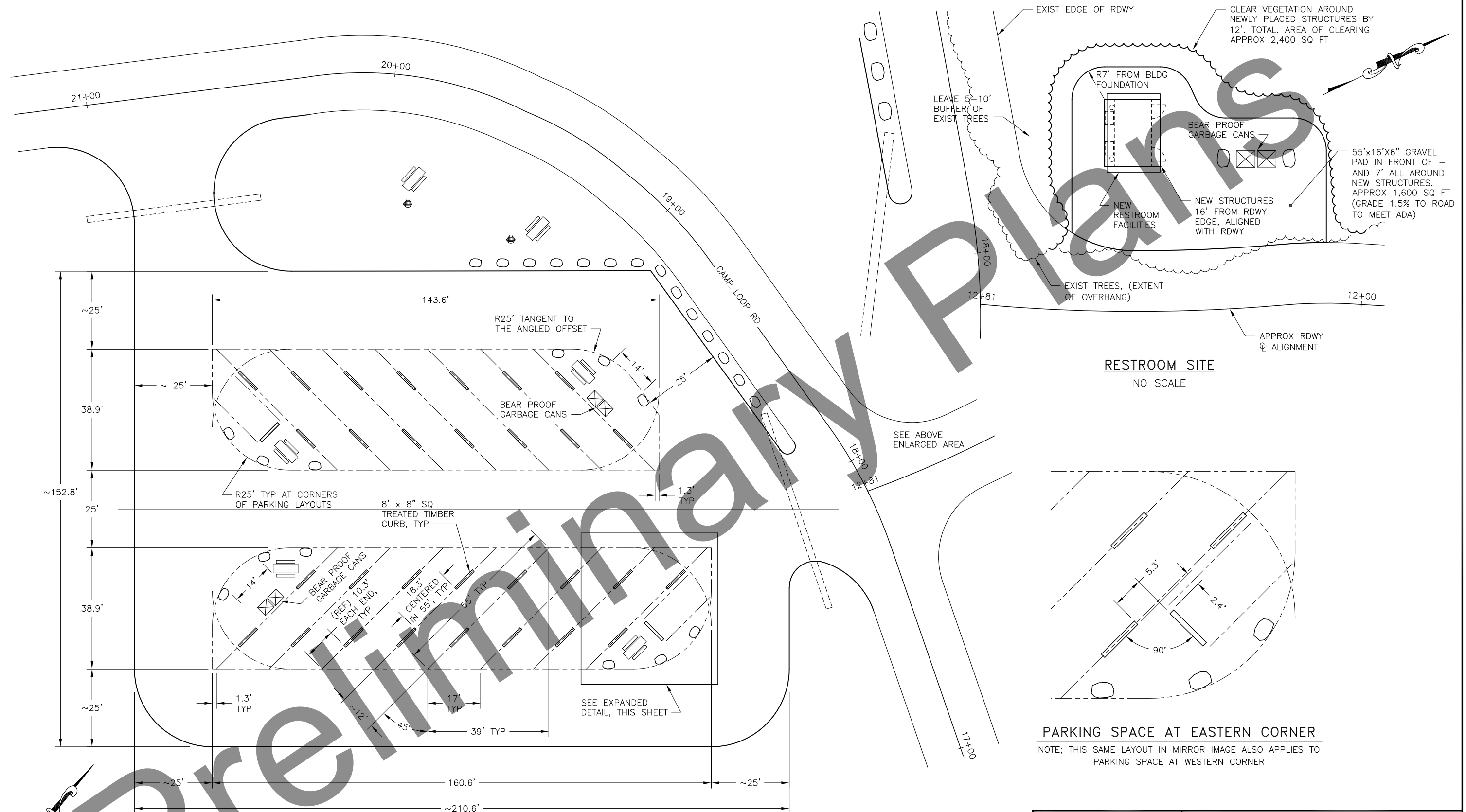
TABLE OF QUANTITIES				
POINT/SITE NO.	PICNIC TABLE ITEM 622.2029.0000	FIRE RING ITEM 622.0010.0000	DOES THE CAMPSITE REQUIRE PARKING GRAVEL PAD AND PICNIC TABLE GRAVEL PAD?	GEOTEXTILE, STABILIZATION, CLASS 1 ITEM 630.0002.0001
1-7	7	7	YES, SEE SHEET 20	YES, SEE SHEET 20
8	1	1	NO	NO
9-20	12	12	YES	YES
21-25	5	5	NO	NO
26-29	4	0	N/A (PARKING LOT)	N/A (PARKING LOT)
TOTAL:	29	25	40X20' PARKING PAD- 20 EA 25'X13.33' PICNIC TABLE PAD-19 EA	PARKING PAD- 1,778 SY; PICNIC TABLE PAD-704 SY; PARKING LOT-5,000 SY TOTAL: 7,482 SY



STATE OF ALASKA
Department of Transportation and Public Facilities
Maintenance & Operations
Northern Region


NO.	DATE	REVISION	DATE: JAN 2022 0851072/NFHWY00539

X:\projects\mns\mccorby mp 1.5 campground upgrade\mccorby mp1.5 campground expansion\3 Drafting\Parking Lot - Pkg1.dwg Feb 01, 2022 - 3:41pm
PLANS DEVELOPED BY: STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES, NORTHERN REGION, 2301 PEGER ROAD, FAIRBANKS, AK 99709 (907)451-2200



LEGEND OF NON-STANDARD SYMOLOGY	
	LINES IN THE DRAWING ARE TO ENABLE VISUALIZATION OF PARKING AREAS AND LANES OF TRAVEL, AND TO ASSIST IN FIELD LAYOUT OF ACTUAL ITEMS TO BE PLACED. THEY DO NOT REPRESENT ANY ACTUAL OBJECT OR MARKINGS.
	BARRIER ROCK (TYP), PLACE APPROX AS SHOWN, JUST INSIDE DELINEATED PARKING AREA BOUNDARIES 10 FT APART AND 25' RADIUS' AT CORNERS (5 FT APART IN DITCH).
	~48"L x 43"H x 26"W BEAR-PROOF TRASH CAN
	8"x8"x8' TREATED TIMBER CURB
	8' ADA PICNIC TABLE, WITH CONCRETE ANCHOR
	ADA FIRE RING (30"-32" DIA, 17"-23" TALL, WITH CONCRETE ANCHOR).

NO.	DATE	REVISION



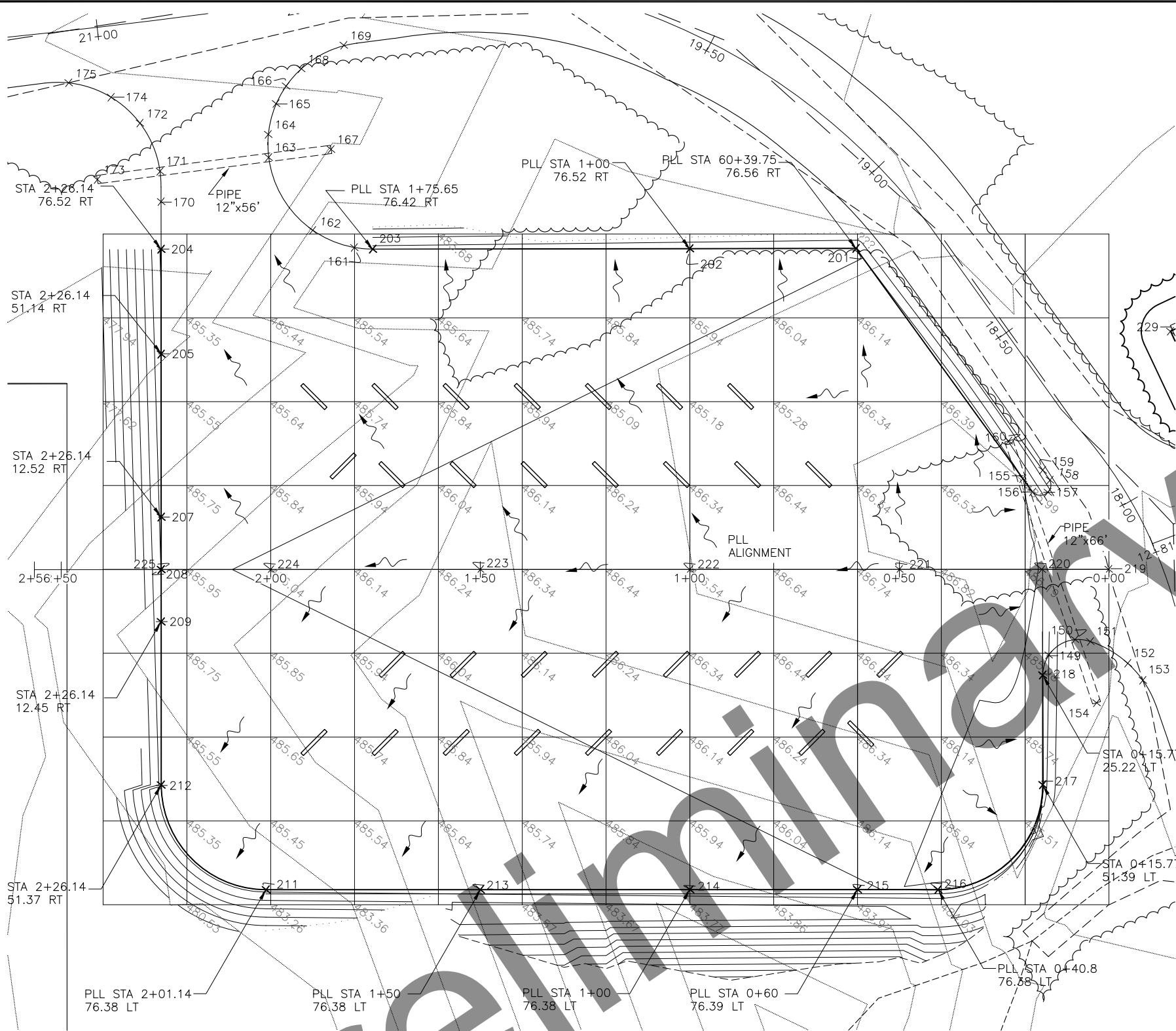
STATE OF ALASKA
Department of Transportation and Public Facilities
Maintenance & Operations
Northern Region

SHEET: 8 of 31
DATE: JAN 2022
0851072/NFHWY00539

COPPER RIVER BOAT LAUNCH FACILITIES IMPROVEMENTS (FLAP) PARKING LOT LAYOUT

\\verigues\mnd\W06\M40-01\Projects\Misc\McConry MP 1.5 Comground Upgrade\9 Drafting\NFHWY00539_C-working_files-Grid_Pln Jan 27, 2022 - 11:19am
PLANS DEVELOPED BY: STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES, NORTHERN REGION, 2301 PEGER ROAD, FAIRBANKS, AK 99709 (907)451-2200

NO.	DATE	REVISION



PARKING LOT GRADING PLAN

LEGEND OF NON-STANDARD SYMBOLOGY

X	PARKING CENTERLINE, APPROACH OR PERIMETER POINT
	3'-4' BARRIER ROCK
	~48"L x 43"H x 26"W BEARPROOF TRASH CAN
	8"x8"x8' TREATED TIMBER CURB
	ADA FIRE RING (30"-32" DIA, 17"-23" TALL, WITH CONCRETE ANCHOR).

PARKING LOT CENTERLINE POINTS

POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
219	2753782.04	1918891.48	483.65	E.G. PLL STA 0+00
220	2753772.01	1918879.06	485.94	F.G. PLL STA 0+16
221	2753750.65	1918852.60	486.79	F.G. PLL STA 0+50
222	2753719.25	1918813.70	486.54	F.G. PLL STA 0+100
223	2753687.84	1918774.79	486.29	F.G. PLL STA 0+150
224	2753656.44	1918735.89	486.05	F.G. PLL STA 0+200
225	2753640.01	1918715.54	485.92	F.G. PLL STA 2+26.16

-PARKING LOT CENTERLINE (PLL) 256.4 FT

PARKING LOT PERIMETER POINTS

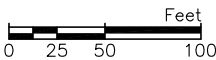
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
201	2753803.75	1918796.48	483.97	PARKING LOT PERIMETER
202	2753778.79	1918765.63	485.77	PARKING LOT PERIMETER
203	2753731.20	1918706.83	483.40	PARKING LOT PERIMETER
204	2753699.48	1918667.54	483.15	PARKING LOT PERIMETER
205	2753680.02	1918683.26	485.40	PARKING LOT PERIMETER
207	2753649.76	1918707.68	485.79	PARKING LOT PERIMETER
208	2753640.01	1918715.54	485.92	PARKING LOT PERIMETER
209	2753630.32	1918723.36	485.79	PARKING LOT PERIMETER
211	2753596.29	1918782.98	485.28	PARKING LOT PERIMETER
212	2753600.03	1918747.81	485.40	PARKING LOT PERIMETER
213	2753628.40	1918822.77	485.53	PARKING LOT PERIMETER
214	2753659.81	1918861.68	485.77	PARKING LOT PERIMETER
215	2753684.93	1918892.81	485.97	PARKING LOT PERIMETER
216	2753697.00	1918907.75	486.05	PARKING LOT PERIMETER
217	2753732.14	1918911.49	485.43	PARKING LOT PERIMETER
218	2753752.51	1918895.05	485.69	PARKING LOT PERIMETER

APPROACH POINTS

POINT NO.	NORTHING	EASTING	DESCRIPTION
149	2753757.13	1918893.15	POINT ON RADIUS APPROACH 1
150	2753763.94	1918895.74	POINT ON RADIUS APPROACH 1
151	2753765.87	1918898.88	POINT ON RADIUS APPROACH 1
152	2753767.44	1918909.11	POINT ON RADIUS APPROACH 1
153	2753766.54	1918914.43	POINT ON RADIUS APPROACH 1
154	2753755.43	1918909.21	12" CULVERT END APPROACH 1
155	2753786.00	1918861.94	POINT ON RADIUS APPROACH 1
156	2753784.98	1918865.76	POINT ON RADIUS APPROACH 1
157	2753787.22	1918868.64	POINT ON RADIUS APPROACH 1
158	2753789.80	1918867.21	POINT ON RADIUS APPROACH 1
159	2753790.53	1918864.36	POINT ON RADIUS APPROACH 1
160	2753790.90	1918853.68	12" CULVERT END APPROACH 1
161	2753728.73	1918703.18	POINT ON RADIUS APPROACH 2
162	2753725.68	1918692.85	POINT ON RADIUS APPROACH 2
163	2753732.64	1918673.77	POINT ON RADIUS APPROACH 2
164	2753736.84	1918670.24	POINT ON RADIUS APPROACH 2
165	2753743.75	1918667.08	POINT ON RADIUS APPROACH 2
166	2753748.51	1918666.31	POINT ON RADIUS APPROACH 2
167	2753743.47	1918684.15	12" CULVERT END APPROACH 2
168	2753753.98	1918666.53	POINT ON RADIUS APPROACH 2
169	2753764.73	1918670.92	POINT ON RADIUS APPROACH 2
170	2753708.32	1918660.43	POINT ON RADIUS APPROACH 2
171	2753713.78	1918655.68	POINT ON RADIUS APPROACH 2
172	2753719.73	1918644.73	POINT ON RADIUS APPROACH 2
173	2753702.85	1918645.27	12" CULVERT END APPROACH 2
174	2753720.20	1918635.50	POINT ON RADIUS APPROACH 2
175	2753716.53	1918625.46	POINT ON RADIUS APPROACH 2

NOTES:

- ALL PARKING LOT ELEVATIONS SHOWN ARE FINAL GRADE (UNLESS NOTED OTHERWISE).
- THE BASIS OF THE 20'X20' SPOT ELEVATION GRID IS THE PLL ALIGNMENT AT STATION 1+00 (POINT 222 FG 486.54). ADDITIONAL SPOT ELEVATIONS ARE GIVEN FOR EDGE OF PARKING LOT (PERIMETER POINTS) AND CENTERLINE POINTS (OTHER THAN ON GRID), SEE TABLES THIS SHEET)
- PROVIDE A SMOOTH TRANSITION BETWEEN ALL FINISHED GRADE SPOT ELEVATIONS.
- SEE SHEET 10 FOR OTHER TABLES OF POINTS (E.G. APPROACH POINTS ETC.)



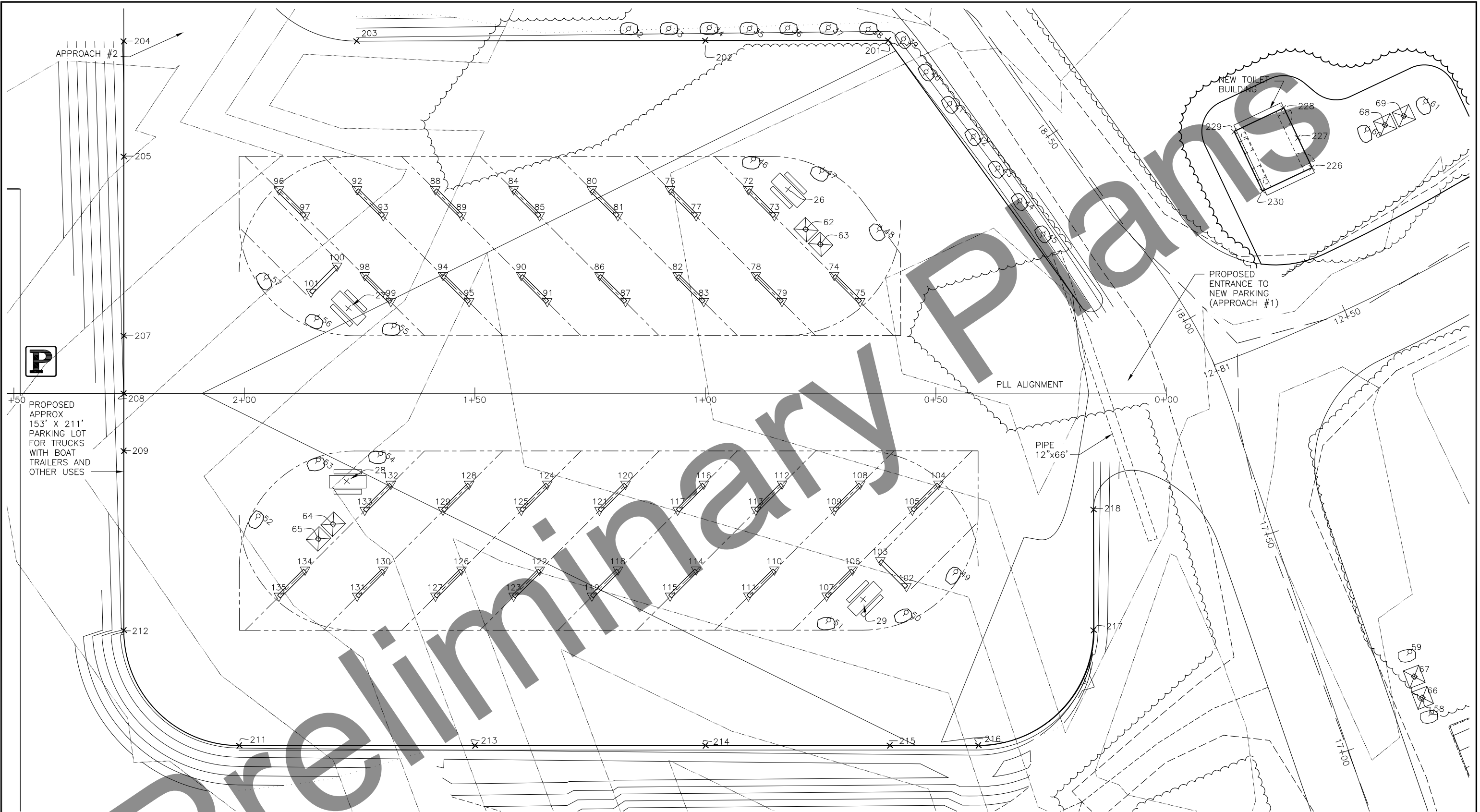
STATE OF ALASKA
Department of Transportation and Public Facilities
Maintenance & Operations
Northern Region

SHEET: 9 of 31
DATE: JAN 2022

0851072/NFWY00539

COPPER RIVER BOAT
LAUNCH FACILITIES
IMPROVEMENTS (FLAP)
PARKING LOT
GRADING PLAN

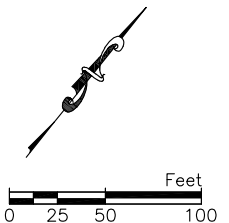
\\Vieragus\Mod\W06\M00-01\Projects\Misc\McCarthy MP 1.5 Comground Upgrade\Drawings\NFWY00539_C-working_files-Pkg Elev
PLANS DEVELOPED BY: STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES, NORTHERN REGION, 2301 PEGER ROAD, FAIRBANKS, AK 99709 (907)451-2200
Feb 01, 2022 - 3:40pm



LEGEND OF NON-STANDARD SYMBOLOGY

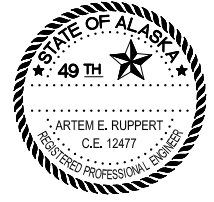
- 3'-4' BARRIER ROCK
- ~48"L x 43"H x 26"W BEARPROOF TRASH CAN
- 8"x8"x8' TREATED TIMBER CURB
- 8' ADA PICNIC TABLE, WITH CONCRETE ANCHOR
- PULL-THRU TRUCK & BOAT TRAILER PARKING 12'x 55' STALL ("PHANTOM" LINES SHOWN ONLY FOR SIZING), LINED WITH 10"x8' TREATED TIMBER CURBS
- REGULAR CAR PARKING (PHANTOM LINE) 12'x20' STALL WITH 8"x8"x8' TREATED TIMBER CURB BUMPER (LINES SHOWN ONLY FOR SIZING)

MISC ELEVATIONS PLAN



MISCELLANEOUS ALIGNMENT DETAILS:
-PARKING LOT CENTERLINE (PLL) 256.4 FT
SEE PLAN SHEET 11 FOR POINTS DETAILS

NO.	DATE	REVISION



STATE OF ALASKA
Department of Transportation and Public Facilities
Maintenance & Operations
Northern Region

SHEET: 10 of 31
DATE: JAN 2022
0851072/NFWY00539

COPPER RIVER BOAT LAUNCH FACILITIES IMPROVEMENTS (FLAP) PARKING LOT & MISC. ELEVATIONS

\\veripages\mond\W05\M40-01\Projects\Misc\McCarthy_MP_1.5 Compground Upgrade\9 Drafting\NFHWY00539_C-working_files\Misc Pnt Tbls Jan 27, 2022 - 11:26am
PLANS DEVELOPED BY: STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES, NORTHERN REGION, 2301 PEGER ROAD, FAIRBANKS, AK 99709 (907)451-2200

BEARPROOF GARBAGE CANS				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
62	2753760.58	1918808.29	486.29	F.G. PARKING LOT N CORNER
63	2753760.07	1918812.80	486.34	F.G. PARKING LOT N CORNER
64	2753646.43	1918768.67	485.86	F.G. PARKING LOT S CORNER
65	2753641.95	1918768.20	485.81	F.G. PARKING LOT S CORNER

BEARPROOF GARBAGE CANS				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
66	2753765.49	1918976.22	486.34	E.G. BY EXIST RESTROOM
67	2753767.96	1918971.97	486.29	E.G. BY EXIST RESTROOM
68	2753857.12	1918891.90	483.61	E.G. BY NEW RESTROOM
69	2753861.19	1918893.83	483.67	E.G. BY NEW RESTROOM

BARRIER ROCKS POINTS			
POINT NO.	NORTHING	EASTING	DESCRIPTION
32	2753769.28	1918751.10	PARKING PAD SW DITCH
33	2753774.82	1918757.83	PARKING PAD SW DITCH
34	2753780.48	1918764.57	PARKING PAD SW DITCH
35	2753785.81	1918771.46	PARKING PAD SW DITCH
36	2753791.08	1918777.84	PARKING PAD SW DITCH
37	2753796.68	1918784.64	PARKING PAD SW DITCH
38	2753801.83	1918791.58	PARKING PAD N DITCH
39	2753804.99	1918798.87	PARKING PAD N DITCH
40	2753802.54	1918807.18	PARKING PAD N DITCH
41	2753800.34	1918815.51	PARKING PAD N DITCH
42	2753798.00	1918823.96	PARKING PAD N DITCH
43	2753796.09	1918832.41	PARKING PAD N DITCH
44	2753793.53	1918840.58	PARKING PAD N DITCH
45	2753791.07	1918849.01	PARKING PAD N DITCH
46	2753764.34	1918789.91	TURN RADIUS DELINEATION

BARRIER ROCKS POINTS			
POINT NO.	NORTHING	EASTING	DESCRIPTION
47	2753771.77	1918803.02	TURN RADIUS DELINEATION
48	2753769.75	1918820.72	TURN RADIUS DELINEATION
49	2753722.21	1918880.26	TURN RADIUS DELINEATION
50	2753708.59	1918877.42	TURN RADIUS DELINEATION
51	2753696.75	1918865.42	TURN RADIUS DELINEATION
52	2753636.59	1918754.90	TURN RADIUS DELINEATION
53	2753654.26	1918757.41	TURN RADIUS DELINEATION
54	2753663.83	1918767.06	TURN RADIUS DELINEATION
55	2753687.31	1918751.89	TURN RADIUS DELINEATION
56	2753678.08	1918737.84	TURN RADIUS DELINEATION
57	2753678.08	1918723.79	TURN RADIUS DELINEATION
58	2753763.25	1918979.76	BY EXISTING RESTROOM
59	2753770.53	1918967.84	BY EXISTING RESTROOM
60	2753852.97	1918889.46	BY NEW RESTROOM
61	2753865.64	1918895.54	BY NEW RESTROOM

NEW RESTROOM BUILDING POINTS				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
226	2753839.94	1918885.35	484.00	FG; EAST BUILDING CORNER; EG 483.41
227	2753843.08	1918878.92	484.00	FG.; FRONT OF BUILDING; EG 483.22
228	2753846.11	1918872.45	484.00	FG; NORTH BUILDING CORNER; EG 483.05
229	2753835.46	1918867.28	484.00	FG; WEST BUILDING CORNER; EG 482.91
230	2753829.27	1918880.21	484.00	FG; SOUTH BUILDING CORNER; EG 483.25

ABBREVIATIONS:

1. FG—FINAL GRADE
2. EG—EXISTING GROUND

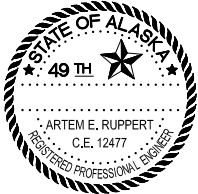
- NOTES:
1) BUILDING CORNER ELEVATIONS CAN BE ADJUSTED BY THE ENGINEER TO CONFORM TO MANUFACTURER BUILDING INSTALLATION RECOMMENDATIONS.
2) IF NOT SPECIFICALLY NOTED, GIVEN ELEVATIONS ARE FINAL GRADE (FG)

TREATED TIMBER CURB END POINTS				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
72	2753759.40	1918793.25	486.14	WEST SIDE ISLE PARKING
73	2753758.55	1918801.20	486.23	WEST SIDE ISLE PARKING
74	2753756.60	1918819.43	486.42	WEST SIDE ISLE PARKING
75	2753755.76	1918827.39	486.51	WEST SIDE ISLE PARKING
76	2753748.74	1918780.04	486.06	WEST SIDE ISLE PARKING
77	2753747.89	1918788.00	486.15	WEST SIDE ISLE PARKING
78	2753745.94	1918806.23	486.34	WEST SIDE ISLE PARKING
79	2753745.10	1918814.18	486.42	WEST SIDE ISLE PARKING
80	2753738.08	1918766.84	485.98	WEST SIDE ISLE PARKING
81	2753737.23	1918774.79	486.06	WEST SIDE ISLE PARKING
82	2753735.29	1918793.02	486.25	WEST SIDE ISLE PARKING
83	2753734.44	1918800.98	486.34	WEST SIDE ISLE PARKING
84	2753727.42	1918753.63	485.89	WEST SIDE ISLE PARKING
85	2753726.57	1918761.59	485.98	WEST SIDE ISLE PARKING
86	2753724.63	1918779.82	486.17	WEST SIDE ISLE PARKING
87	2753723.78	1918787.77	486.26	WEST SIDE ISLE PARKING
88	2753716.76	1918740.43	485.81	WEST SIDE ISLE PARKING
89	2753715.91	1918748.38	485.89	WEST SIDE ISLE PARKING
90	2753713.97	1918766.61	486.09	WEST SIDE ISLE PARKING
91	2753713.12	1918774.57	486.17	WEST SIDE ISLE PARKING
92	2753706.10	1918727.22	485.72	WEST SIDE ISLE PARKING
93	2753705.25	1918735.18	485.81	WEST SIDE ISLE PARKING
94	2753703.31	1918753.41	486.00	WEST SIDE ISLE PARKING
95	2753702.46	1918761.36	486.09	WEST SIDE ISLE PARKING
96	2753695.44	1918714.02	485.64	WEST SIDE ISLE PARKING

TREATED TIMBER CURB END POINTS				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
97	2753694.59	1918721.97	485.73	WEST SIDE ISLE PARKING
98	2753692.65	1918740.20	485.92	WEST SIDE ISLE PARKING
99	2753691.80	1918748.16	486.01	WEST SIDE ISLE PARKING
104	2753735.59	1918865.47	486.56	EAST SIDE ISLE PARKING
105	2753727.63	1918864.62	486.50	EAST SIDE ISLE PARKING
106	2753709.41	1918862.68	486.35	EAST SIDE ISLE PARKING
107	2753701.45	1918861.83	486.22	EAST SIDE ISLE PARKING
108	2753724.93	1918852.26	486.51	EAST SIDE ISLE PARKING
109	2753716.98	1918851.42	486.42	EAST SIDE ISLE PARKING
110	2753698.75	1918849.48	486.23	EAST SIDE ISLE PARKING
111	2753690.79	1918848.63	486.14	EAST SIDE ISLE PARKING
112	2753714.27	1918839.06	486.43	EAST SIDE ISLE PARKING
113	2753706.32	1918838.21	486.33	EAST SIDE ISLE PARKING
114	2753688.09	1918836.27	486.15	EAST SIDE ISLE PARKING
115	2753680.13	1918835.42	486.06	EAST SIDE ISLE PARKING
116	2753703.61	1918825.86	486.34	EAST SIDE ISLE PARKING
117	2753695.66	1918825.01	486.25	EAST SIDE ISLE PARKING
118	2753677.43	1918823.06	486.06	EAST SIDE ISLE PARKING
119	2753669.47	1918822.22	485.98	EAST SIDE ISLE PARKING
120	2753692.95	1918812.65	486.26	EAST SIDE ISLE PARKING
121	2753685.00	1918811.80	486.17	EAST SIDE ISLE PARKING
122	2753666.77	1918809.86	485.98	EAST SIDE ISLE PARKING
123	2753658.81	1918809.01	485.89	EAST SIDE ISLE PARKING
124	2753682.29	1918799.45	486.17	EAST SIDE ISLE PARKING
125	2753674.34	1918798.60	486.09	EAST SIDE ISLE PARKING

TREATED TIMBER CURB END POINTS				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
126	2753656.11	1918796.65	485.90	EAST SIDE ISLE PARKING
127	2753648.15	1918795.80	485.81	EAST SIDE ISLE PARKING
128	2753671.63	1918786.24	486.09	EAST SIDE ISLE PARKING
129	2753663.68	1918785.39	486.00	EAST SIDE ISLE PARKING
130	2753645.45	1918783.45	485.81	EAST SIDE ISLE PARKING
131	2753637.50	1918782.60	485.72	EAST SIDE ISLE PARKING
132	2753660.98	1918773.04	486.00	EAST SIDE ISLE PARKING
133	2753653.02	1918772.19	485.92	EAST SIDE ISLE PARKING
134	2753634.79	1918770.24	485.73	EAST SIDE ISLE PARKING
135	2753626.84	1918769.39	485.64	EAST SIDE ISLE PARKING

CORNER PARKING – TREATED CURB END POINTS				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
100	2753690.47	1918734.25	485.90	WEST ISLE PARKING TIMBER CURB END
101	2753682.51	1918733.40	485.87	WEST ISLE PARKING TIMBER CURB END
102	2753713.92	1918874.02	486.33	EAST ISLE PARKING TIMBER CURB END
103	2753714.77	1918866.07	486.36	EAST ISLE PARKING TIMBER CURB END



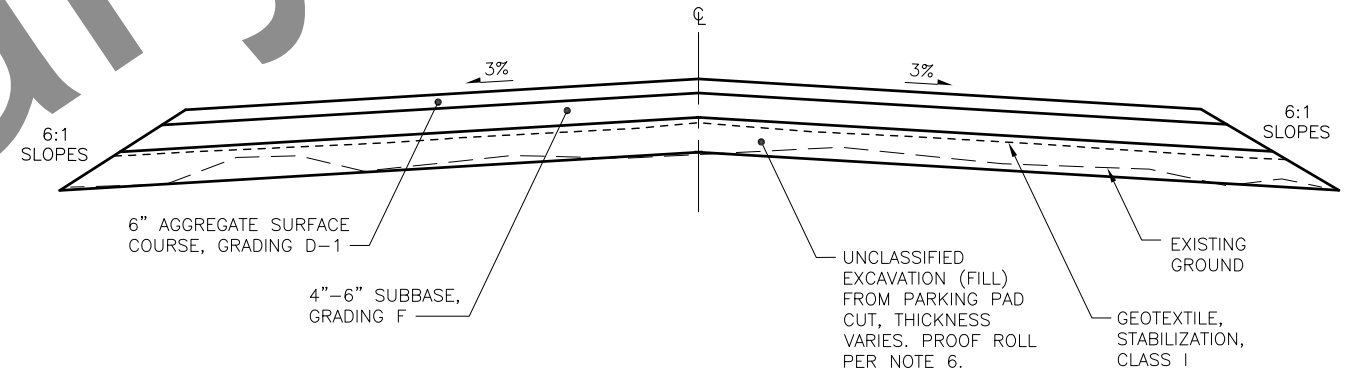
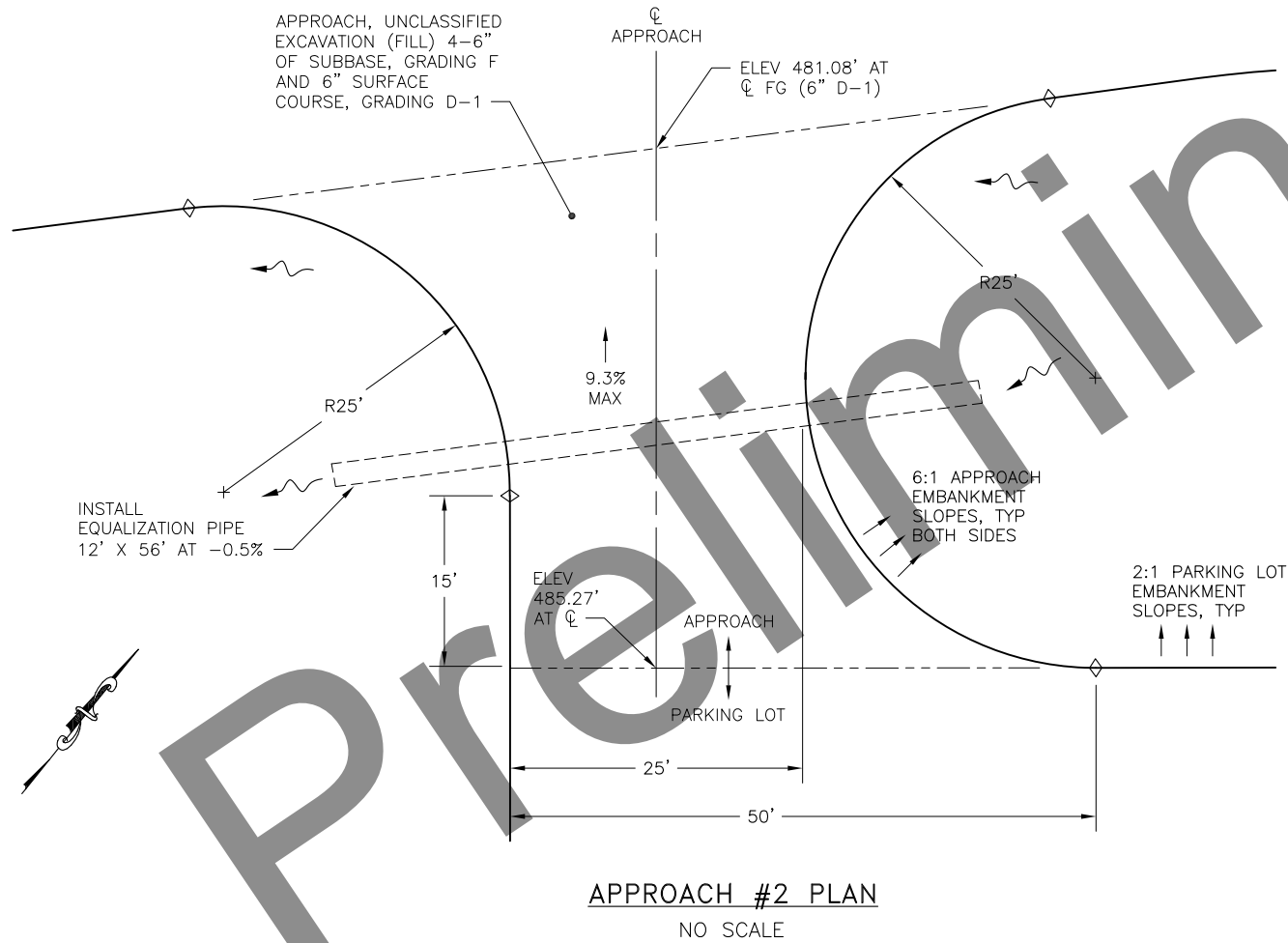
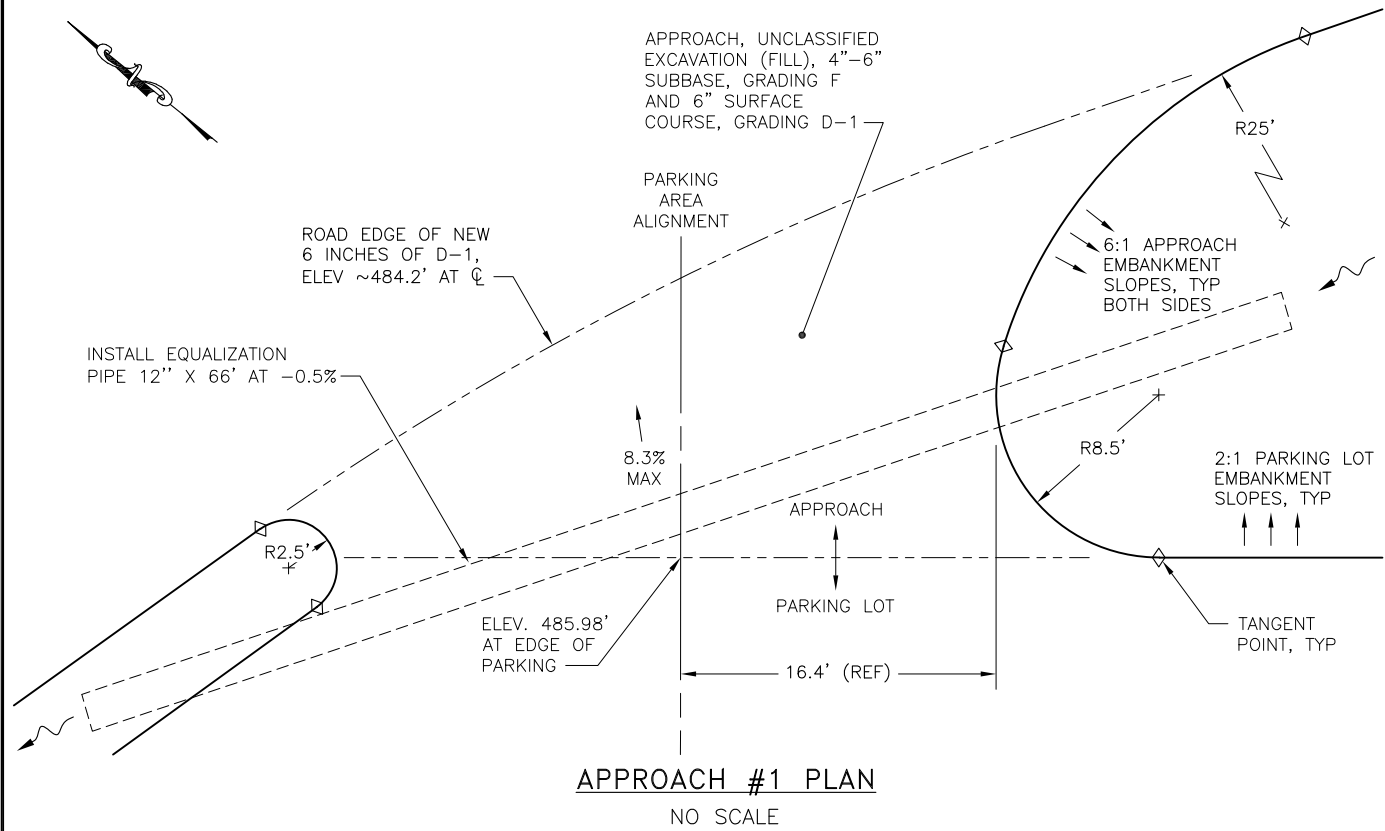
STATE OF ALASKA
Department of Transportation and Public Facilities
Maintenance & Operations
Northern Region

SHEET: 11 of 31
DATE: JAN 2022

COPPER RIVER BOAT LAUNCH FACILITIES IMPROVEMENTS (FLAP) MISCELLANEOUS POINT TABLES

NO.	DATE	REVISION

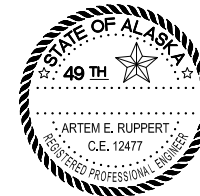
X:\projects\mns\mccorhy mp 1.5 camground upgrade\mccorhy mp1.5 camground expansion\3 Drafting\Tables & Notes-Approaches Feb 01, 2022 - 3:39pm
PLANS DEVELOPED BY: STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES, NORTHERN REGION, 2301 PEGER ROAD, FAIRBANKS, AK 99709 (907)451-2200



APPROACH NOTES:

1. SEE PLAN SHEET 6 LAYOUT SHOWING LOCATION OF PARKING PAD APPROACHES.
2. CLEAR AND GRUB VEGETATION WITHIN THE LIMITS OF APPROACH AND TYPICAL SECTION FOOTPRINT. SEE PLANS SHEET 6. THIS WORK IS SUBSIDIARY TO PAY ITEM 201.0009.0000 CLEARING AND GRUBBING.
3. USE UNCLASSIFIED EXCAVATION CUT MATERIAL TO PREPARE APPROACH SHAPE.
4. INSTALL 12" APPROACH EQUALIZATION CULVERTS.
5. PROOF-ROLL THE BASE OF APPROACHES, PRIOR TO PLACING NEW EMBANKMENT MATERIAL, TO THE EXTENT THAT ENSURES THE FIRST LIFT OF MATERIAL PLACED UPON IT CAN BE COMPACTED TO THE SPECIFIED DENSITY. OMIT PROOF-ROLLING ONLY AS APPROVED BY THE ENGINEER AND AS NECESSARY TO PREVENT LIQUEFACTION OF SURFACE SOILS. THIS WORK IS SUBSIDIARY TO ITEM 203.0019.0000 UNCLASSIFIED EXCAVATION.

NO.	DATE	REVISION

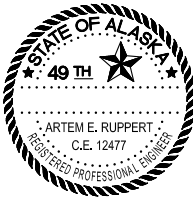


STATE OF ALASKA
Department of Transportation and Public Facilities
Maintenance & Operations
Northern Region

SHEET: 12 of 31	COPPER RIVER BOAT LAUNCH FACILITIES IMPROVEMENTS (FLAP)
DATE: JAN 2022	
0851072/NFHWY00539	APPROACH DETAILS

X:\projects\misa\mccarthy mp 1.5 campground upgrade\mccarthy mp3 2015-signs Feb 01, 2022 - 3:38pm
PLANS DEVELOPED BY: STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES, NORTHERN REGION, 2301 PEGER ROAD, FAIRBANKS, AK 99709 (907)451-2200

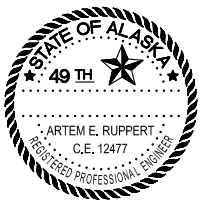
SIGNING SUMMARY															
LOC. NO.	STATION	LOCATION		ASDS CODE	LEGEND	SIZE	BRACING/ FRAMING		AREA (SQ.FT.)	MTG. HGT. (FT.)	DIR.	POST			REMARKS
		LT.	RT.			H X V (INCHES)	BRACED	FRAMED				TYPE	SIZE (INCHES)	NO.	
S1	McCARTHY RD STA 145+62 LOCATE APPROX. 960 FT SW OF SITE ACCESS, BEHIND GUARDRAIL NEAR BRIDGE ABUTMENT.		X	D7-102	COPPER RIVER --> CAMPGROUND	108 X 36		X	27.00		SW	TS	3X3	2	FACING SW TRAFFIC TOWARDS MCCARTHY. BEHIND BARRIER. SEE STD S-32.02.
				RW-170	HAND LAUNCH	24 X 24									24"x24" RECREATION PLATES SIDE-BY-SIDE
				RA-80	PARKING	24 X 24									
				RM-140	RESTROOM	24 X 24									
				RM-020	TRAILER CAMPING	24 X 24									
S2	McCARTHY RD STA 159+72 LOCATE APPROX. 450 FT NE OF SITE ACCESS	X		D7-102	<-- COPPER RIVER CAMPGROUND	108 X 36		X	27.00		NE	TS	3X3	2	FACING NE TRAFFIC TOWARDS CHITINA
				RW-170	HAND LAUNCH	24 X 24									NEW HINGED POSTS & FRANGIBLE COUPLINGS REQUIRED, SEE SHEET 14 NOTE 14. 24"x24" RECREATION PLATES SIDE-BY-SIDE
				RA-80	PARKING	24 X 24									
				RM-140	RESTROOM	24 X 24									
				RM-020	TRAILER CAMPING	24 X 24									
S3	PARKING LOT APPROACH 1	X		R1-1	STOP	36 X 36	X		9.00		SW	PST	2.5	1	
S4	PARKING LOT APPROACH 2	X		R1-1	STOP	36 X 36	X		9.00		SE	PST	2.5	1	
S5	PARKING LOT NE SIDE		X	R7-112	DIAGONAL PARKING ONLY	12 X 18			1.50		NE	PST	2.5	1	
S6	PARKING LOT APPROACH 1		X	RA-80	PARKING (SYM)	24 X 24			4.00		NE	PST	2.5	1	
				D9-105	PARKING (EDUCATIONAL PLATE)	24 X 6			1.00						BROWN BACKGROUND
S7	CAMP LP RD STA 20+75		X	RA-80	PARKING (SYM)	24 X 24			4.00		NE	PST	2.5	1	
				D9-301	LEFT ARROW	24 X 6			1.00						BROWN BACKGROUND
S8	CAMP LOOP & CONNECTOR RD	X		RM-020	TRAILER CAMPING	24 X 24			4.00		NW	PST	2.5	1	REMOVE EXISTING SIGN AND POST
				RA-80	PARKING (SYM)	24 X 24			4.00	REMOVE EXISTING FROM POST; BROWN BACKGRD					
				D9-301	RIGHT ARROW	24 X 6			1.00						
S9	BY EXIST RESTROOM BUILDING		X	RG-130	LITTER CONTAINER	24 X 30	X		5.00		SW	PST	2.5	1	
S10	NEAR NEW RESTROOM BUILDING		X	RG-130	LITTER CONTAINER	24 X 30	X		5.00		SE	PST	2.5	1	
S11	NE CORNER OF PARKING	X		RG-130	LITTER CONTAINER	24 X 30	X		5.00		SW	PST	2.5	1	
S12	SW CORNER OF PARKING	X		RG-130	LITTER CONTAINER	24 X 30	X		5.00		NE	PST	2.5	1	
S13	CAMP LP RD STA 25+40	X		R7P-101RL	NO PARKING ANY TIME	12 X 18			1.50		W	PST	2.5	1	3-TURN POCKET
S14	CAMP LP RD STA 25+61	X		R7P-101RL	NO PARKING ANY TIME	12 X 18			1.50		NW	PST	2.5	1	3-TURN POCKET
S15	CAMP LP RD STA 26+15	X		R7P-101RL	NO PARKING ANY TIME	12 X 18			1.50		NW	PST	2.5	1	3-TURN POCKET
S16	3 TURN POCKET	X		N/A	EXISTING ATHNA CORP. TRESPASSING SIGN						NW				MOVE EXIST POST & SIGN OUTSIDE OF 3-TURN POCKET LIMITS
						SUBTOTAL:		149.00						17	4 EA TS, 13 EA PST

SIGNING SUMMARY																
LOC. NO.	STATION	LOCATION		ASDS CODE	LEGEND	SIZE H X V (INCHES)	BRACING/ FRAMING		AREA (SQ.FT.)	MTG. HGT. (FT.)	DIR.	POST			REMARKS	
		LT.	RT.				TYPE	SIZE (INCHES)				NO.				
S17	VARIES, SEE PLANS SHEET 14	X	X	N/A	NUMBERS 1 TO 25	5 X 5			4.340						25 EACH CAMPSITE MARKERS , SEE SHEET 14 NOTE 18. ONE SIGN IS 0.17361 SQ.FT.	
S18	INSIDE OF EXISTING WOODEN RESTROOM	X	X	N/A	SPECIAL, SEE PLAN SHEET 16	12 X 12			1.00						1 EACH, ATTACH TO WALL, USE 4 CORNER LAG SCREWS. ONE SIGN IS 1 SQ.FT.	
S19	PARKING LOT			RG-130	LITTER CONTAINER	24 X 24			4.00		NE		2.5	1		
				SPECIAL	KEEP AREA CLEAN	24 X 12			2.00						SEE SHEET 15	
S20	PARKING LOT			R7-8	HANDICAPPED PARKING	12 X 18			1.50		N		2.5	1	PICNIC SPOT	
S21	CAMP LOOP RD 18+17		X	RW-170	HAND LAUNCH	24 X 24			4.00		E		2.5	1		
				D9-306 (MOD)	AHEAD	24 X 6			1.00						BROWN BACKGROUND	
S22	PARKING LOT			R7-8	HANDICAPPED PARKING	12 X 18			1.50		S		2.5	1	PULL-THRU SPOT N	
S23	PARKING LOT			R7-8	HANDICAPPED PARKING	12 X 18			1.50		N		2.5	1	PULL-THRU SPOT S	
S24	CAMP LOOP RD 16+75		X	RM-140	RESTROOM	24 X 24			4.00		NE		2.5	1	BY EXIST RESTROOM	
				D9-301	RIGHT ARROW	24 X 6			1.00						BROWN BACKGROUND	
S25	CONNECTOR RD 12+18		X	RM-140	RESTROOM	24 X 24			4.00		E		2.5	1	BY NEW RESTROOM	
				D9-301	RIGHT ARROW	24 X 6			1.00						BROWN BACKGROUND	
S26	CAMP LOOP RD 16+75 (BETWEEN DOORS)		X	N/A	MALE/FEMALE RESTROOM	6 X 9			0.75		SW		N/A	N/A	BLACK OR BROWN ADA UNISEX PLASTIC SYMBOL/LETTER BRAILLE SIGN-2 EA	
S27	155+21 (ON TYPE III BARRICADE)		X	SPECIAL	TEMPORARILY CLOSED FOR CONSTRUCTION	48 X 60			20.00		N		N/A	N/A	MCCARTHY RD, REST AREA ENTRANCE SEE SHEET 14	
S28	154+00 (ADVANCE WARNING TO SIGN S27, ON SIGN STAND)	X		SPECIAL	REST AREA CLOSED	48 X 48			16.00		NE		N/A	N/A	SEE SHEET 14	
S29	156+00 (ADVANCE WARNING TO S27, ON SIGN STAND)		X	SPECIAL	REST AREA CLOSED	48 X 48			16.00		SW		N/A	N/A		
									TOTAL:	232.6				24	20 EA 2.5" PST AND 4 EA 3"X3" TS	
SEE SHEET 14 FOR SIGN NOTES											NO.		DATE		REVISION	
POST TYPE LEGEND:																
PST = PERFORATED STEEL TUBE																
TS = TUBE STEEL (SQUARE STRUCTURAL STEEL TUBING)																
W_X_ = WIDE FLANGE																
FASTENER SPECIFICATION TABLE											<div></div> <div>STATE OF ALASKA Department of Transportation and Public Facilities Maintenance & Operations Northern Region</div>					
FASTENERS		STEEL		STAINLESS STEEL												
BOLTS		ASTM A 307		ASTM F 593												
NUTS		ASTM A 563		ASTM F 594												
WASHERS		ASTM F 844		ASTM A 480												
THESE SPECIFICATIONS APPLY TO ALL SIGN FASTENER HARDWARE ON THE PROJECT.											SHEET: 13 of 31		COPPER RIVER BOAT LAUNCH FACILITIES IMPROVEMENTS (FLAP)			
											DATE: JAN 2022					
											0851072/NFHWY00539		REST AREA SIGNS			



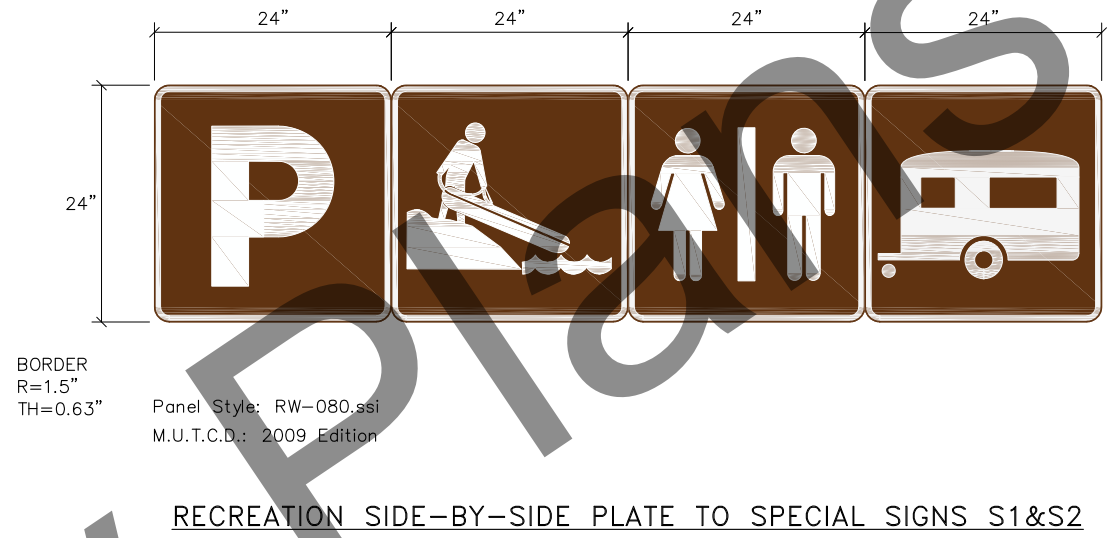
1. REMOVE AND DISPOSE OF ALL EXISTING SIGNS AND SIGN FOUNDATIONS WITHIN THE PROJECT LIMITS, EXCEPT THOSE DESIGNATED FOR REINSTALLATION, SALVAGE OR OTHERWISE NOTED.
2. MOUNTING HEIGHTS ARE PER STANDARD PLAN S-05.02 UNLESS OTHERWISE NOTED.
3. DETERMINE POST LENGTHS IN THE FIELD. DO NOT EXTEND POSTS ABOVE TOP OF SIGN.
4. INSTALL PST SIGNPOSTS WITH SOIL EMBEDMENT PER STANDARD PLAN S-30.05. ATTACH THE SIGN POST TO THE SLEEVE USING GALVANIZED 3/8" BOLT, NUT, SPLIT LOCK WASHER AND TWO FLAT WASHERS.
5. 1/4" X 1 1/2" ALUMINUM ALLOY 6061-T6 BAR MAY ALSO BE USED TO FABRICATE SIGN BRACES AS SHOWN ON STANDARD PLAN S-01.02.
6. ATTACH ALL SIGNS TO THEIR SUPPORTS WITH 3/8" BOLTS, EXCEPT ATTACH UNFRAMED SIGNS TO PST POSTS WITH ALUMINUM DRIVE RIVETS. WIND WASHERS ARE NOT REQUIRED WITH DRIVE RIVETS. INCLUDE SPLIT LOCK WASHERS WHEN BOLTS ARE USED.
7. ALL FASTENER HARDWARE SHALL MEET THE REQUIREMENTS OF THE "FASTENER SPECIFICATION TABLE" UNDER SECTION 730-2.07 OF THE SSHC.
8. STOP (R1-1) AND YIELD (R1-2) SIGN LOCATIONS, ESPECIALLY THOSE AT LARGE RADIUS INTERSECTIONS, MAY NEED ADJUSTMENT IN THE FIELD. THE ENGINEER WILL APPROVE FINAL LOCATIONS.
9. MAINTAIN EXISTING SIGNS UNTIL NEW SIGNS ARE INSTALLED. DO NOT LEAVE DUPLICATE OR CONFLICTING SIGNING UP AT ANY TIME
10. ALL SIGNS NOTED FOR REMOVAL AND REINSTALLATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE IF THEY ARE DAMAGED DURING THE RELOCATION EFFORT.

11. LOCATE AND PROTECT ALL NEW AND EXISTING UNDERGROUND UTILITIES, INCLUDING BUT NOT LIMITED TO: PIPELINES, INTERCONNECT CABLES, SIGNAL SYSTEMS, LIGHTING SYSTEMS, STORM AND SANITARY SEWERS, WATER SYSTEMS, AND TELEPHONE AND ELECTRICAL CABLES, PRIOR TO INSTALLING SIGN POSTS. NOT ALL EXISTING UTILITIES MAY BE SHOWN ON THE PLANS.
12. CLEARING, AS DIRECTED BY THE ENGINEER, MAY BE REQUIRED TO ENSURE ADEQUATE VISIBILITY OF SIGNS. THIS WORK IS SUBSIDIARY TO PAY ITEM 622.0006.0000 REST AREA SIGNS.
13. INSTALL WEATHER TIGHT CAPS ON ALL TS POSTS.
14. INSTALL FRANGIBLE COUPLING SYSTEMS IN ACCORDANCE WITH STANDARD PLAN S-31.02.
15. HINGED JOINTS WITH FRANGIBLE FUSE PLATES ARE REQUIRED ON ALL MULTIPLE POST SIGNS WITH FRANGIBLE COUPLING SYSTEMS. THE HINGE LOCATION ON ALL POSTS SHALL BE THE SAME DISTANCE BELOW THE SIGN, INSTEAD OF THE 6" MINIMUM SHOWN ON STANDARD PLAN S-31-02. SEE MANUFACTURER'S SPECIFICATION FOR HINGE LOCATION BELOW SIGN.
16. INSTALL TS SIGN POST BASES AND FOUNDATIONS BEHIND BARRIER IN ACCORDANCE WITH STANDARD PLAN S-32.02. PLACE SIGNS TO MEET 3' MINIMUM TO EDGE OF SIGN AND 5' MINIMUM TO SIGN POST FROM FACE OF GUARDRAIL.
17. SIGN LOCATIONS ARE SUBJECT TO MINOR REVISIONS. THE CONTRACTOR SHALL STAKE ALL LOCATIONS FOR APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION.
18. INSTALL CAMPSITE MARKERS (ITEM 17) AT THE ENTRANCE TO EACH INDIVIDUAL CAMPSITE AS DETERMINED BY THE ENGINEER. WORK INCLUDES INSTALLATION OF 5.5' 4"x4' WOODEN TREATED POSTS AND 2'x4'6" CLEATS AS SHOWN IN PLAN SHEET 20.

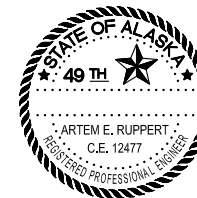


NO.	DATE	REVISION
<p align="center">STATE OF ALASKA <i>Department of Transportation and Public Facilities</i> <i>Maintenance & Operations</i> <i>Northern Region</i></p>		
SHEET:	14 of 31	<p align="center">COPPER RIVER BOAT LAUNCH FACILITIES IMPROVEMENTS (FLAP)</p>
DATE:	JAN 2022	
0851072/NFHWY00539		
		SPECIAL SIGNS—1

X:\projects\misa\mccarthy mp 1.5 campground upgrade\mccarthy mp1.5 campground expansion\3 Drafting\Sheep Ck Culvert MP3 2015-SPECIAL SIGNS (2) Feb 02, 2022 - 5:01pm
PLANS DEVELOPED BY: STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES, NORTHERN REGION, 2301 PEGER ROAD, FAIRBANKS, AK 99709 (907)451-2200

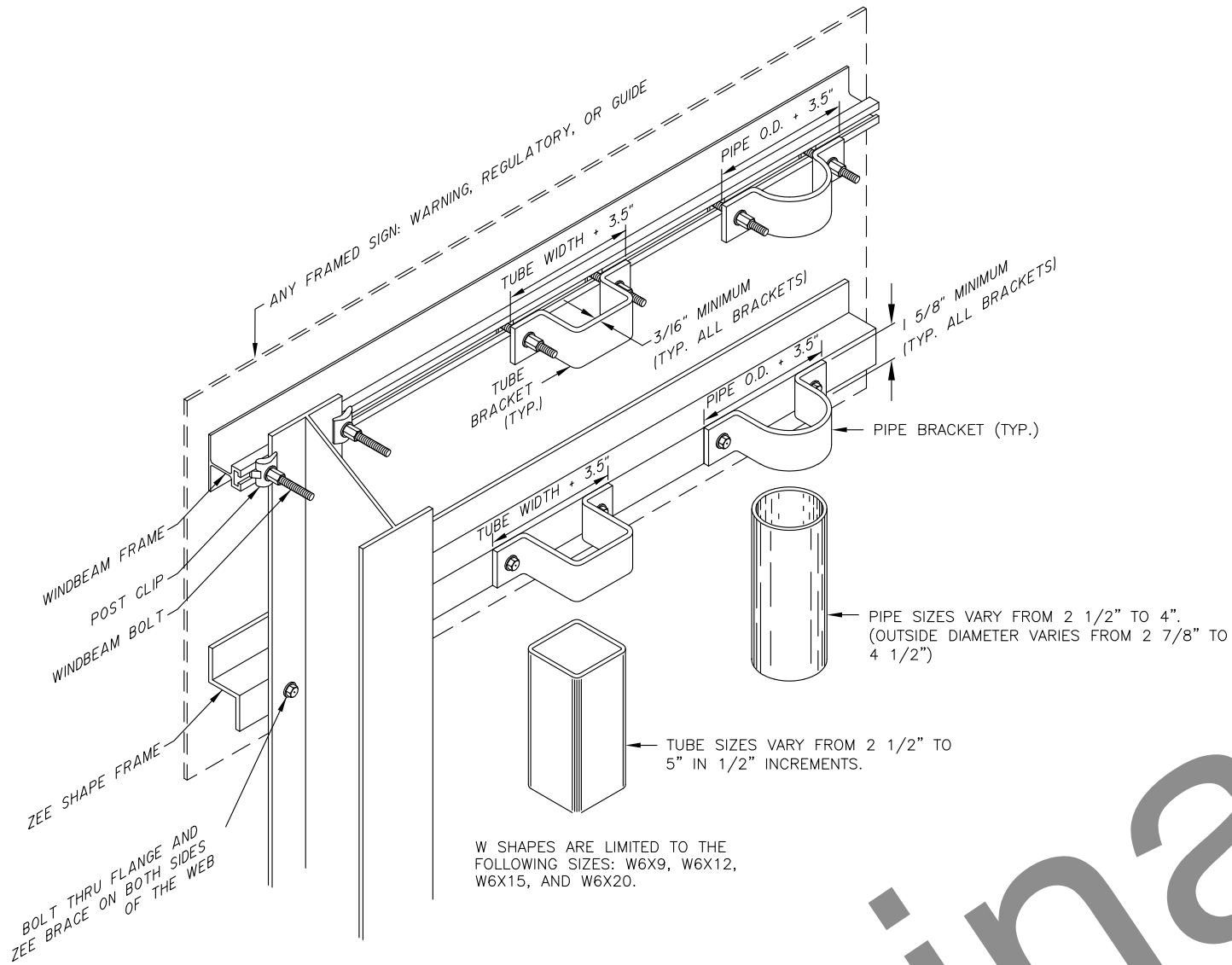


NO.	DATE	REVISION



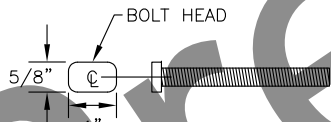
STATE OF ALASKA Department of Transportation and Public Facilities Maintenance & Operations Northern Region		
SHEET:	15 of 31	COPPER RIVER BOAT LAUNCH FACILITIES IMPROVEMENTS (FLAP)
DATE:	JAN 2022	
0851072/NFHWY00539		SPECIAL SIGNS-2

X:\projects\mns\mccorby mp 1.5 campground upgrade\mccorby mp1.5 sign details\3 Drafting\Sheep Ck Culvert MP3 2015-SIGN DETAILS - Jan 27, 2022 - 1:59pm
PLANS DEVELOPED BY: STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES, NORTHERN REGION, 2301 PEGER ROAD, FAIRBANKS, AK 99709 (907)451-2200

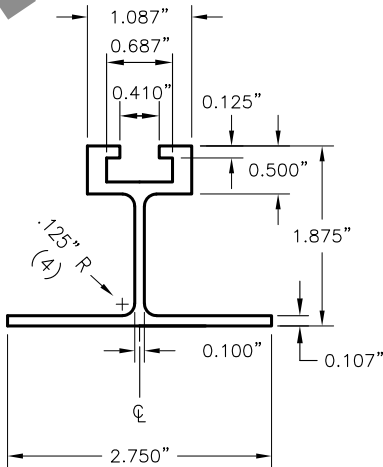


FRAMED SIGN ATTACHMENT BRACKETS

1. ATTACH FRAMED SIGNS TO POSTS WHEREVER THE FRAMES CROSS THE POSTS. AT EACH CROSSING, ATTACH THE SIGN USING TWO POST CLIPS ON W-SHAPE POSTS, A U-SHAPED BRACKET ON PIPES OR A BRACKET WITH SQUARE CORNERS ON TUBES.
2. THE TUBE BRACKETS USED ON EVEN INCH SIZE TUBES MAY ALSO BE USED ON TUBES 1/2" SMALLER IN SIZE.
3. THE BRACKET DETAILS SHOWN INDICATE GENERAL DESIGNS ONLY. DESIGNS MAY VARY BY MANUFACTURER.
4. ALUMINUM ALLOY 6061-T6 SHALL BE USED FOR ZEE SHAPE FRAMING AND RIVETS.



3/8" WINDBEAM BOLT AND LONG NUT



EXTRUDED ALUMINUM WINDBEAM

1. ALUMINUM ALLOY 6061-T6 SHALL BE USED FOR EXTRUDED WINDBEAM AND RIVETS.
2. ATTACH SIGNS TO WINDBEAM WITH 3/8" RIVETS AND 4" STAGGERED SPACING.

PLEASE HELP

Help lower maintenance costs by properly disposing of trash and not placing trash in toilet.

Please close toilet lid.

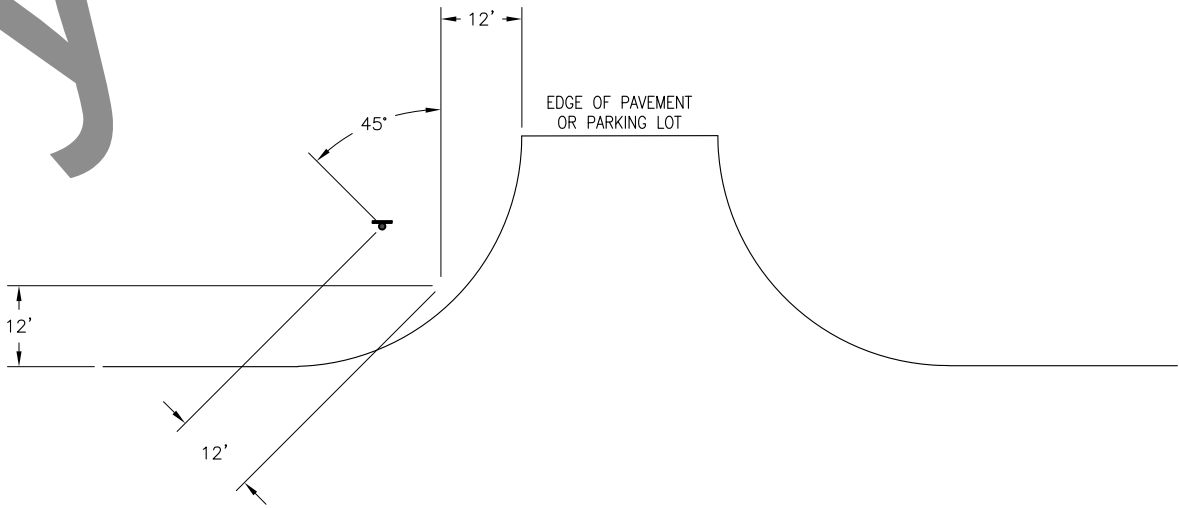
THANK YOU

TRASH SIGN SPECIFICATIONS

SOLID COLOR, METAL, CHARACTER ADHERED TO OR INTEGRAL WITH BASE MATERIAL

CHARACTER COLOR	WHITE
BACKGROUND COLOR	BROWN
SIGN MATERIAL	REFLECTIVE SHEETING SHALL BE TYPE II (MEDIUM INTENSITY)
CHARACTER THICKNESS	1/32 INCH
HEIGHT	12 INCH X 12 INCH
EDGES	SQUARE
CHARACTER FONT	HELVETICA
CHARACTER CASE:	UPPER AND LOWER
BRAILLE	GRADE II
TEXT	SEE ON LEFT

TRASH SIGN FOR NEW DOUBLE-VAULTED CONCRETE RESTROOM
NO SCALE



STOP SIGN PLACEMENT DETAIL
NO SCALE

NO.	DATE	REVISION



STATE OF ALASKA
Department of Transportation and Public Facilities
Maintenance & Operations
Northern Region

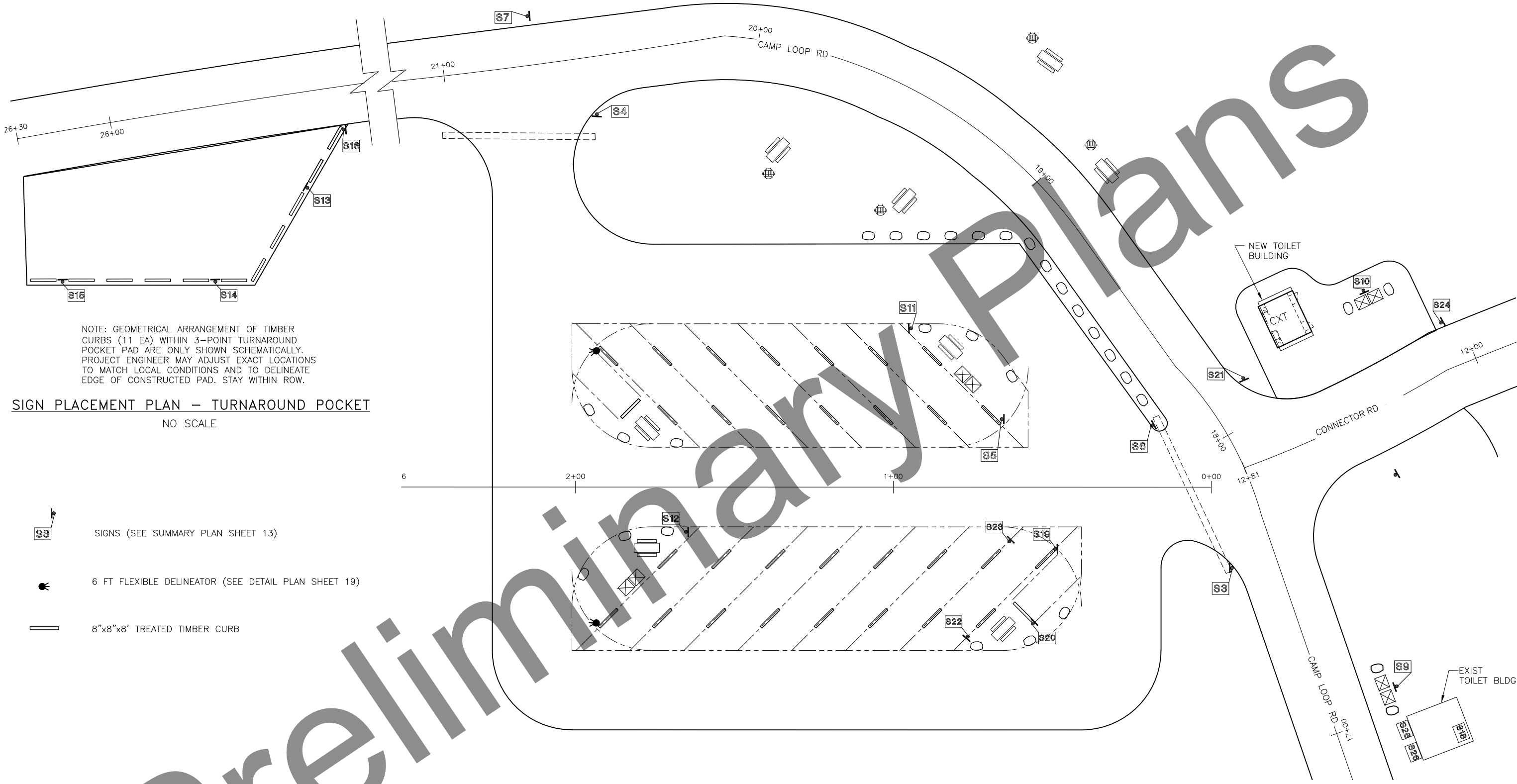
SHEET: 16 of 31
DATE: JAN 2022

COPPER RIVER BOAT
LAUNCH FACILITIES
IMPROVEMENTS (FLAP)

0851072/NFHWY00539


SIGN FRAMING

X:\projects\mnsa\mccorby mp 1.5 campground upgrade\mccorby mp1.5 campground expansion\3 Drafting\Sign Layout-Flag.Lto Feb 01, 2022 - 3:35pm
PLANS DEVELOPED BY: STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES, NORTHERN REGION, 2301 PEGER ROAD, FAIRBANKS, AK 99709 (907)451-2200



SIGN PLACEMENT PLAN – PARKING LOT
NO SCALE

NO.	DATE	REVISION



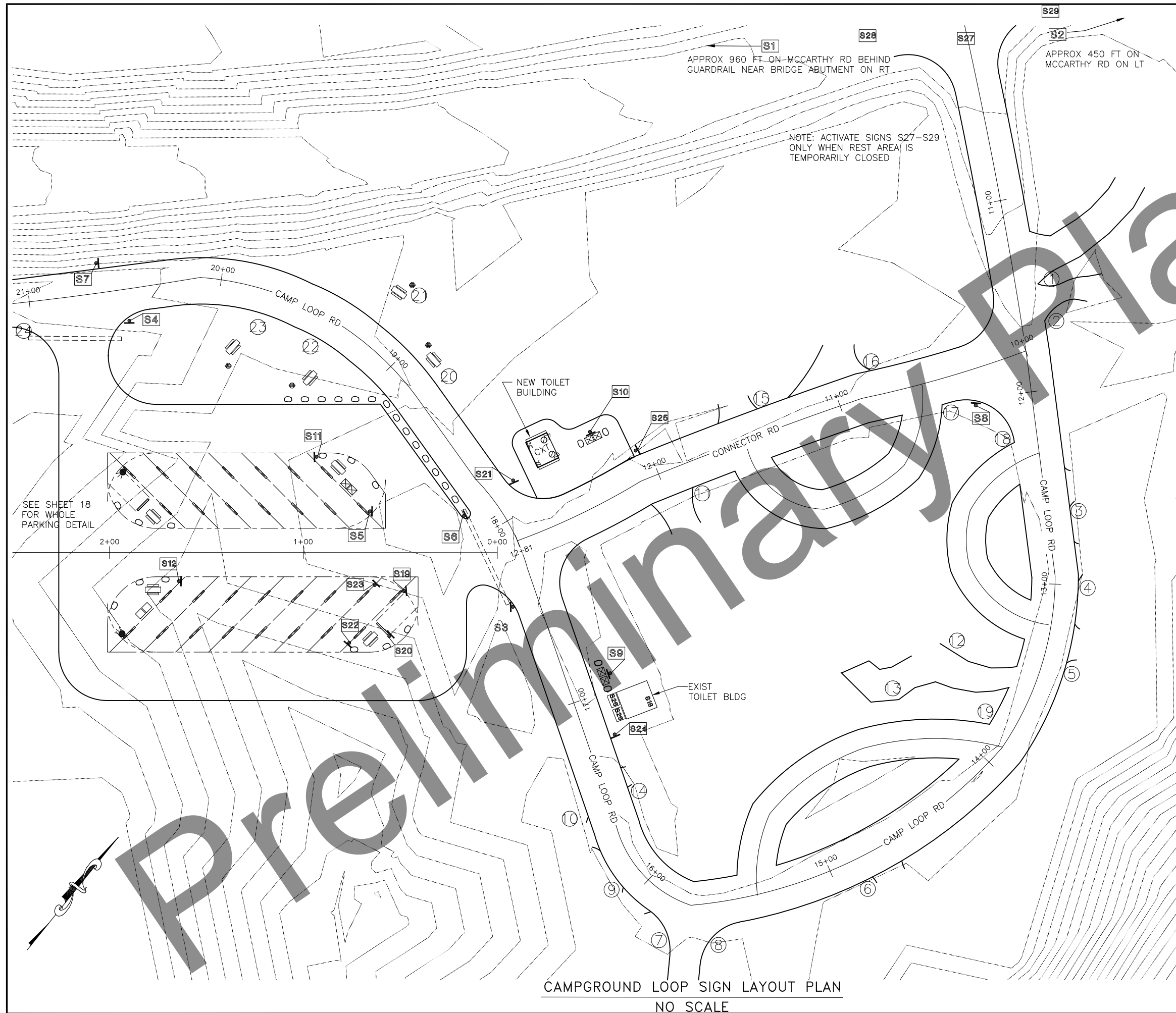
STATE OF ALASKA
49TH
ARTEM E. RUPPERT
C.E. 12477
REGISTERED PROFESSIONAL ENGINEER



STATE OF ALASKA
Department of Transportation and Public Facilities
Maintenance & Operations
Northern Region

SHEET: 17 of 31
DATE: JAN 2022
0851072/NFHWY00539

COPPER RIVER BOAT
LAUNCH FACILITIES
IMPROVEMENTS (FLAP)
SIGN PLACEMENT-1

NO.	DATE	REVISION

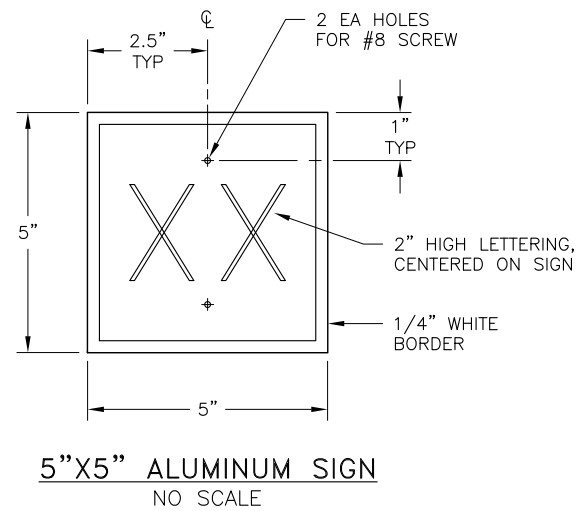
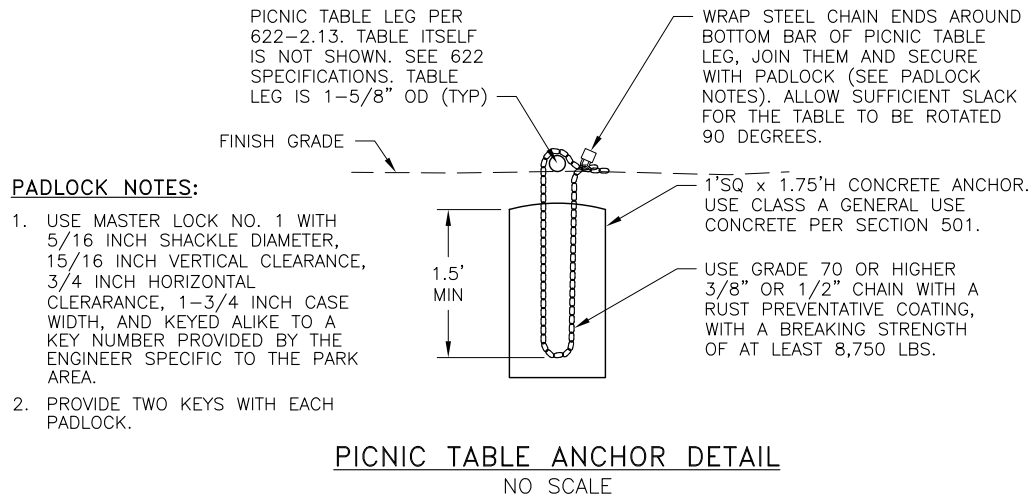


- ⑧ CAMPSITE MARKER POST (REFER TO PLAN SHEETS
13 (SIGN S17) & 20)
-  SIGNS (SEE SUMMARY PLAN SHEET 13)
-  FLEXIBLE DELINEATOR (SEE DETAIL PLAN SHEET 17)

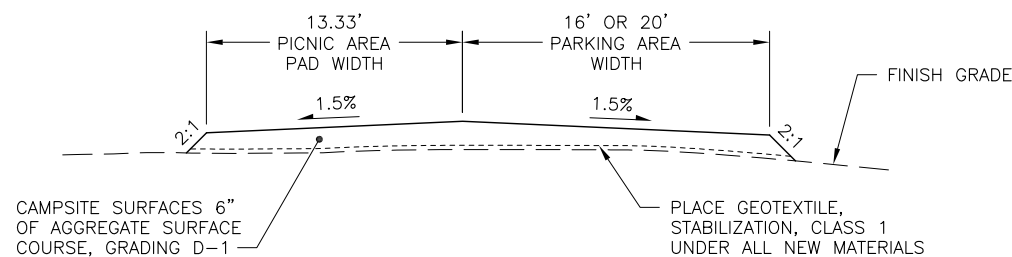
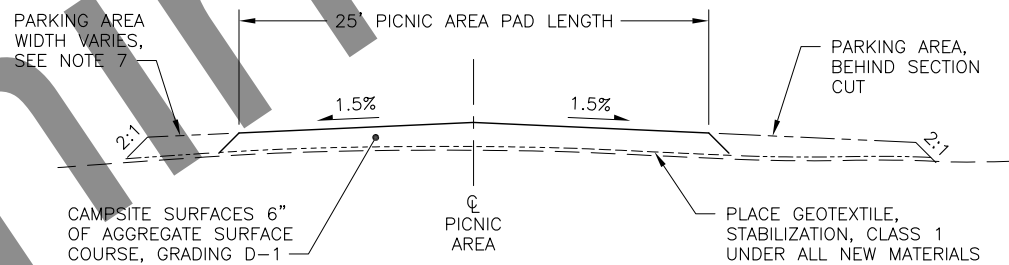
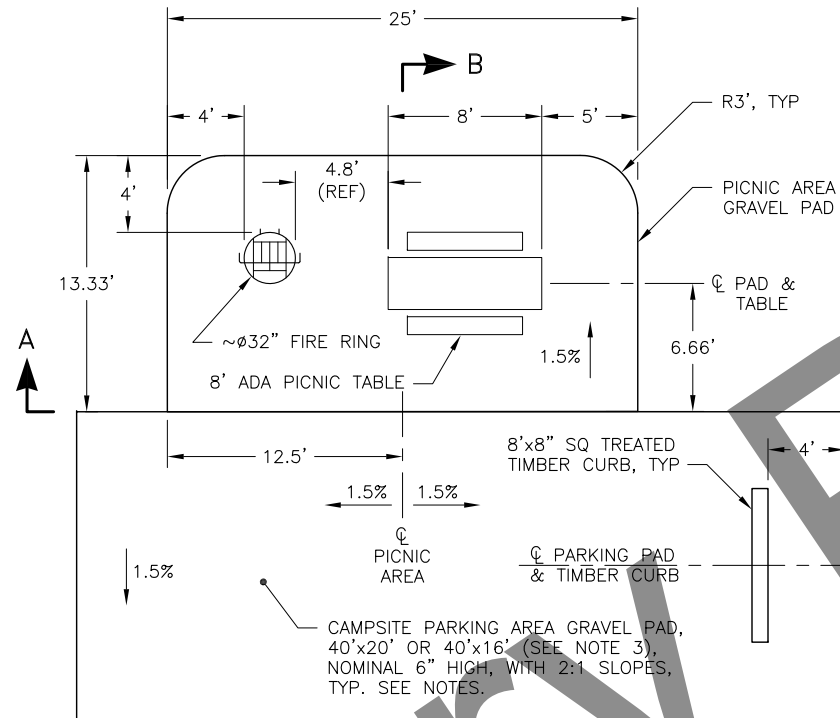
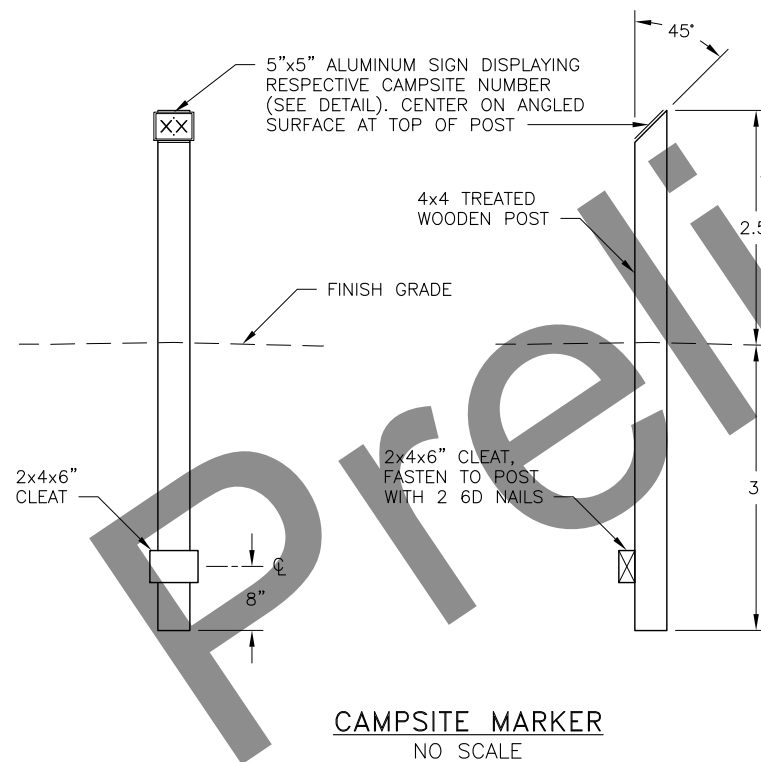


<p align="center">STATE OF ALASKA <i>Department of Transportation and Public Facilities</i> <i>Maintenance & Operations</i> <i>Northern Region</i></p>	
<p>SHEET: 18 of 31</p>	<p>COPPER RIVER BOAT LAUNCH FACILITIES IMPROVEMENTS (FLAP)</p>
<p>DATE: JAN 2022</p>	
<p>0851072/NFHWY00539</p>	<p>SIGN PLACEMENT-2</p>

X:\projects\mns\mccorphy mp 1.5 campground upgrade\mccorphy mp1.5 campground expansion\3 Drafting\Details-Det-02 Feb 01, 2022 - 3:06pm
PLANS DEVELOPED BY: STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES, NORTHERN REGION, 2301 PEGER ROAD, FAIRBANKS, AK 99709 (907)451-2200



- CAMPSITE MARKER NOTES:**
1. FASTEN 5"x5" ALUMINUM SIGN WITH 2 EA #8x3/4" TAMPER RESISTANT SCREWS, BEING CAREFUL NOT TO DAMAGE LAMINATE SHEETING.
 2. NUMBER ON THE ALUMINUM SIGN SHALL MATCH CAMPSITE DESIGNATION AS SHOWN ON THE SITE PLAN (1 THROUGH 24, SEE SHEET 13, SIGN S17.
 3. SIGN COLORS FOR GENERAL BACKGROUND AND NUMBERS SHALL HAVE HIGH CONTRAST AS APPROVED BY ENGINEER.



CAMPSITE PICNIC TABLE PAD NOTES:

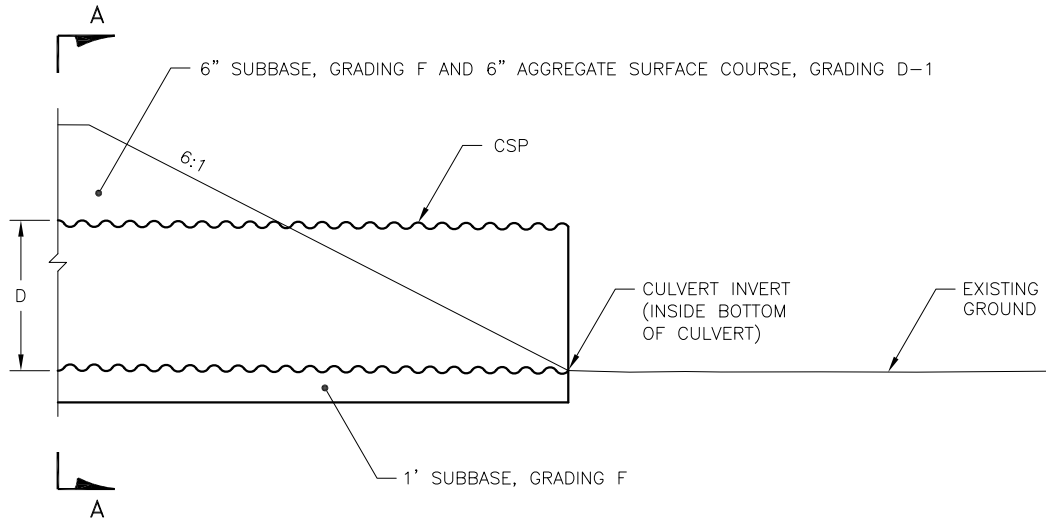
1. SEE 622 PLAN SPECIFICATIONS FOR MORE INFORMATION ON ADA ACCESSIBLE TABLES AND FIRE RINGS.
2. PREPARE EACH INDIVIDUAL SITE BY GRADING EXISTING GROUND TO REMOVE LOCAL IRREGULARITIES TO PRE-LEVEL PRIOR TO PLACING AGGREGATE SURFACE COURSE, GRADING D-1. THIS WORK IS SUBSIDIARY TO PAY ITEM 301.0004.00D1.
3. EXISTING CAMPSITE CONFIGURATIONS VARY. COORDINATE LAYOUT AT EACH INDIVIDUAL SITE WITH THE ENGINEER. PICNIC PAD ACCESS DIMENSIONS CAN BE MODIFIED TO MATCH LOCAL CONDITIONS IN THE FIELD BY THE ENGINEER.
4. INSTALL ONE PICNIC TABLE ANCHOR PER TABLE. USE DETAIL ON THIS SHEET.
5. INSTALL ANCHOR AT FIRE RING. FOLLOW MANUFACTURER RECOMMENDATIONS TO SECURE TO THE GROUND USING SUPPLIED ANCHORS OR STAPLES SET IN CONCRETE. USE DETAIL ON THIS SHEET.
6. CONSTRUCT PICNIC TABLE PAD 6 INCHES HIGH, SURFACE GRADE OF 1.5% WITH 2:1 SLOPES FROM AGGREGATE SURFACE COURSE, GRADING D-1; SEE SECTIONS A-A AND B-B ON THIS SHEET.
7. PICNIC AREA PAD EXACT ORIENTATION RELATIVE TO PARKING CAN BE MODIFIED BY PROJECT ENGINEER TO FIT LOCAL CONDITIONS.
8. REMOVE OBSTRUCTIONS WHERE PRESENT (E.G. OLD WOODEN PICNIC TABLES AND ROCK FIREPITS) AND DISPOSE OF OFF SITE. WORK IS SUBSIDIARY TO PAY ITEM 202.0001.0000 REMOVAL OF STRUCTURES AND OBSTRUCTIONS.

CAMPSITE PARKING NOTES:

1. EXISTING CAMPSITE CONFIGURATIONS VARY. COORDINATE LAYOUT AT EACH INDIVIDUAL SITE WITH THE ENGINEER. PLACE EACH SIDE AS SHOWN OR APPROVED BY ENGINEER.
2. PREPARE EACH INDIVIDUAL SITE BY GRADING EXISTING GROUND TO REMOVE LOCAL IRREGULARITIES TO PRE-LEVEL PRIOR TO PLACING AGGREGATE SURFACE COURSE, GRADING D-1. THIS WORK IS SUBSIDIARY TO PAY ITEM 301.0004.00D1.
3. BUILD PARKING SPOTS 20' WIDE OR AS APPROVED BY ENGINEER TO MATCH EXISTING CONDITIONS.
4. CONSTRUCT UP TO 6 INCH (0.5 FT) HIGH MIN SLOPED 1.5% WITH 2:1 SLOPES. USE AGGREGATE BASE COURSE, GRADING D-1.
5. SLOPE ALL SURFACE GRADES OF BOTH THE PICNIC PAD AND ATTACHED PARKING AT 1.5% AWAY FROM THE PICNIC PAD ACCESS (CONNECTING PATH). SEE SECTIONS A-A AND B-B OF THESE SURFACES THIS PLAN SHEET.
6. PARKING WIDTH DIMENSIONS CAN BE MODIFIED TO MATCH LOCAL CONDITIONS.



NO.	DATE	REVISION
STATE OF ALASKA Department of Transportation and Public Facilities Maintenance & Operations Northern Region		
SHEET:	20 of 31	COPPER RIVER BOAT LAUNCH FACILITIES IMPROVEMENTS (FLAP)
DATE:	JAN 2022	DETAILS-2
0851072/NFWY00539		

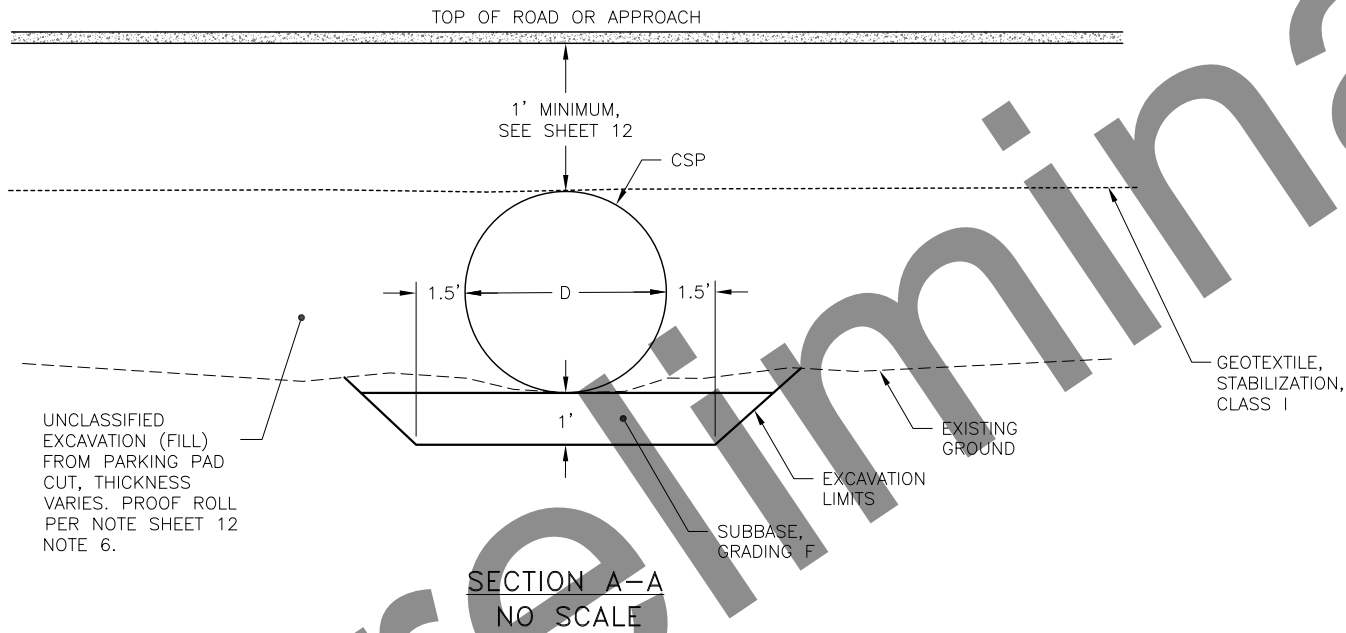


CULVERT DETAIL
NO SCALE

CULVERT SUMMARY				
PIPE NO	PROJECT STATION	12" CORRUGATED STEEL PIPE, 16 GA	CULVERT MARKER POST (EA)	REMARKS
APPROACH 1	"CL" 17+88	66'	2	SEE PLAN SHEETS 6 & 10
APPROACH 2	"CL" 20+75	56'	2	SEE PLAN SHEETS 6 & 10

CULVERT NOTES:

1. STATIONING FOR CULVERTS IS APPROXIMATE. STAKE CULVERTS TO FIT FIELD CONDITIONS OR AS DIRECTED BY THE ENGINEER.
2. MINIMIZE DISTURBANCE TO THE VEGETATIVE MAT AROUND CULVERT END, TO ENSURE PROPER DRAINAGE, UNLESS APPROVED BY THE ENGINEER, THIS WORK IS SUBSIDIARY TO 603 PAY ITEMS.
3. MODIFY EMBANKMENT THICKNESS AND WIDTH AS NECESSARY TO MAINTAIN MINIMUM COVER OF 1 FEET OVER LENGTH OF PIPE.
4. DE-WATERING FOR CULVERT INSTALLATION WILL NOT BE MEASURED FOR PAYMENT AND IS SUBSIDIARY TO 603 PAY ITEMS.
5. CONSTRUCT CULVERTS PER DETAILS OF THIS SHEET. SUBBASE, GRADING F BEDDING MATERIAL IS SUBSIDIARY TO 603 PAY ITEMS.
6. REFER TO APPROACH TYPICAL SECTION PLAN SHEET 12
7. PIPE GRADIENT IS 0.5%.



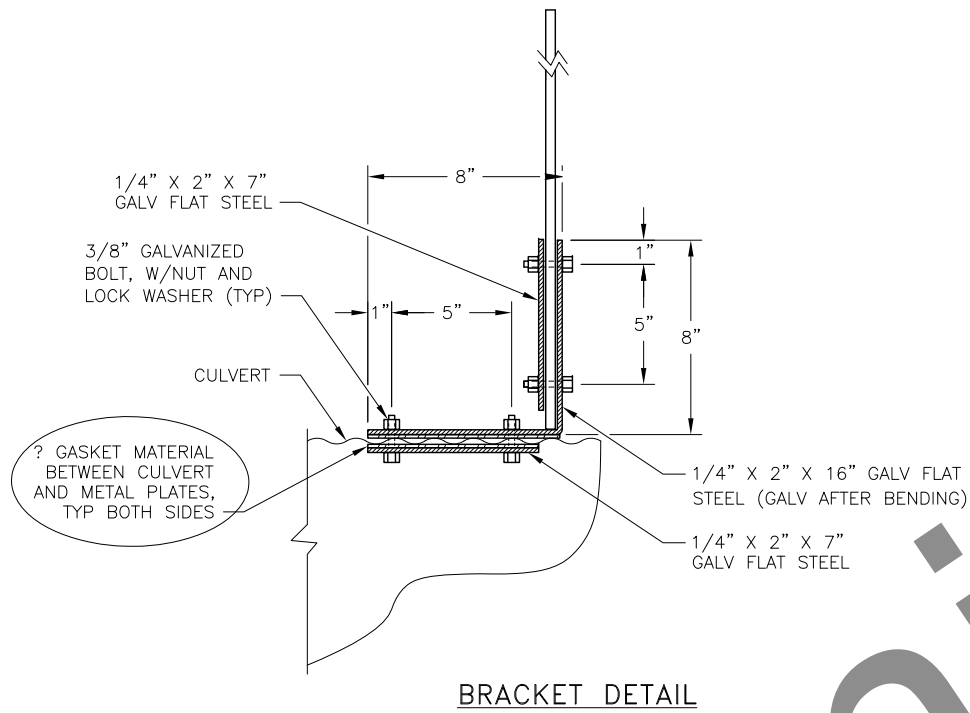
SECTION A-A
NO SCALE

NO.	DATE	REVISION

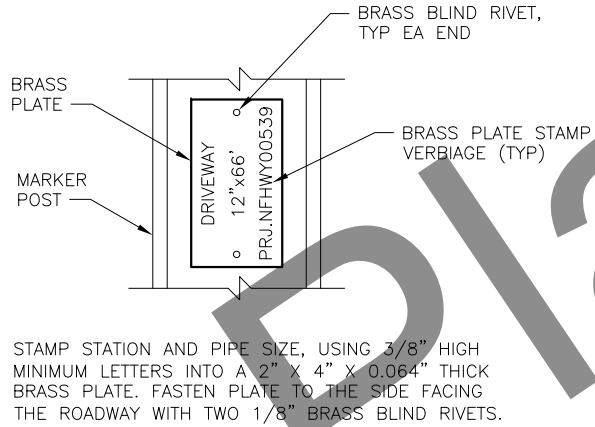


STATE OF ALASKA
Department of Transportation and Public Facilities
Maintenance & Operations
Northern Region

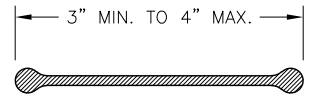
SHEET: 21 of 31	COPPER RIVER BOAT LAUNCH FACILITIES IMPROVEMENTS (FLAP) CULVERT DETAILS
DATE: JAN 2022	
0851072/NFHWY00539	



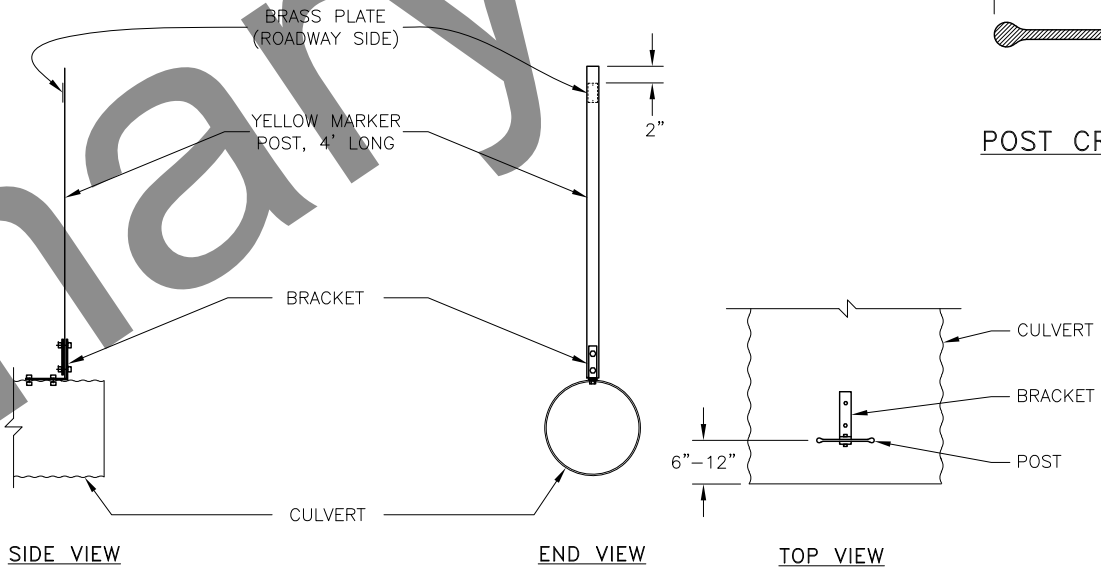
BRACKET DETAIL



BRASS PLATE DETAIL



POST CROSS SECTION



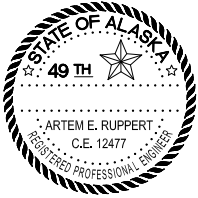
CULVERT MARKER POST DETAIL

CULVERT MARKER POSTS NOTES:

1. MARKER POSTS ARE TO BE INSTALLED ON CROSS CULVERTS ONLY.
2. IF CULVERTS ARE CLOSELY SPACED, MARK ONLY THE FIRST AND LAST CULVERT IN SERIES AS APPROVED BY THE ENGINEER.
3. DRILL ALL BOLT HOLES. COAT HOLES WITH ZINC RICH PAINT. FLAME CUTTING SHALL NOT BE PERMITTED.
4. GASKET MATERIAL SHALL BE PLACED BETWEEN DISSIMILAR METALS. GASKET MATERIAL SHALL BE APPROVED PRIOR TO INSTALLATION.

TOTAL PIPES (2 EA):
1. 12" DIA x 66' LONG PARKING PAD ENTRY
2. 12" DIA x 56' LONG PARKING PAD EXIT

NO.	DATE	REVISION



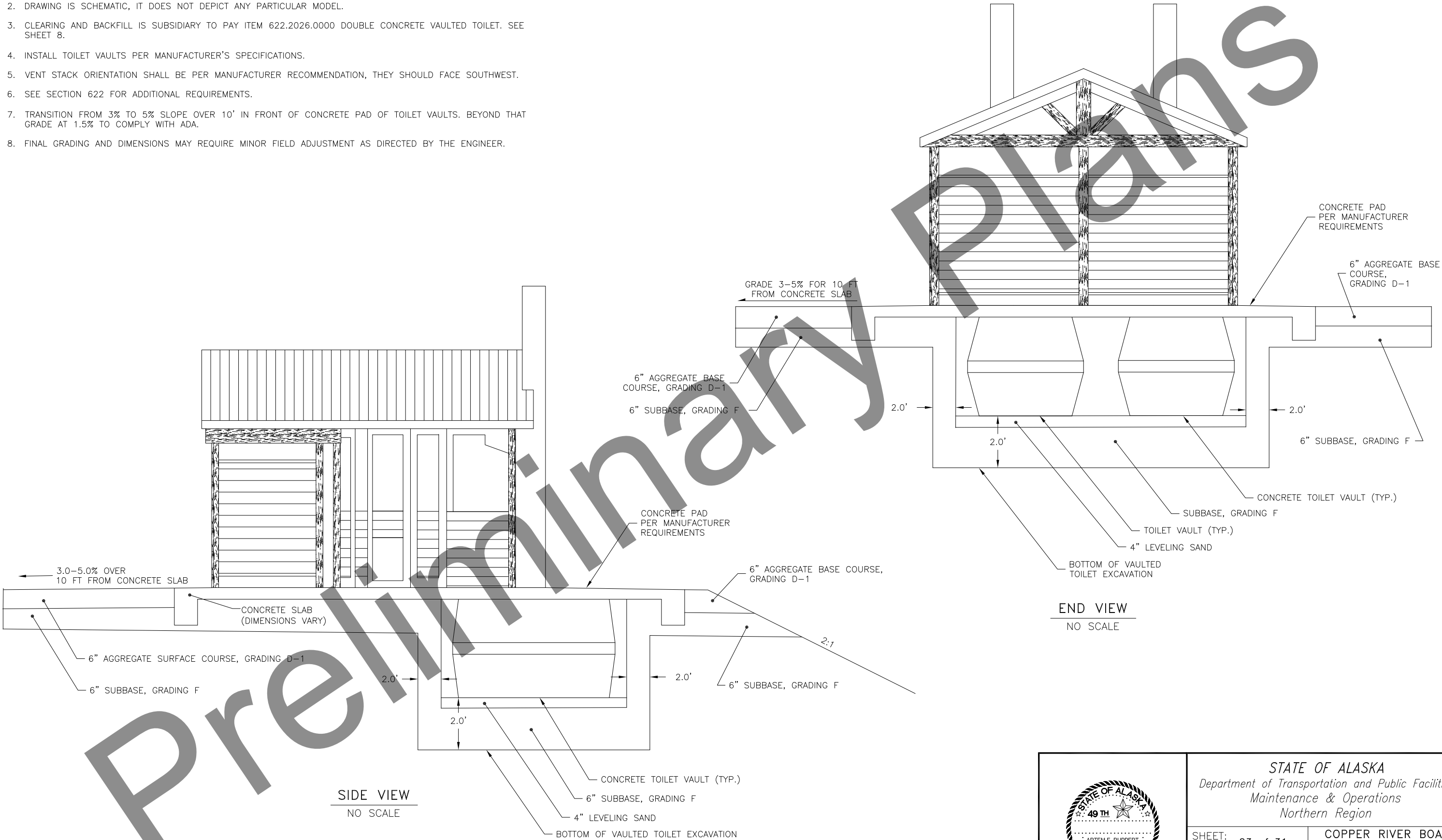
STATE OF ALASKA
Department of Transportation and Public Facilities
Maintenance & Operations
Northern Region

SHEET: 22 of 31
DATE: JAN 2022
0851072/NFHWY00539

COPPER RIVER BOAT
LAUNCH FACILITIES
IMPROVEMENTS (FLAP)
CULVERT MARKERS

DETAIL NOTES:

- 1. DRAWING IS NOT TO SCALE.
- 2. DRAWING IS SCHEMATIC, IT DOES NOT DEPICT ANY PARTICULAR MODEL.
- 3. CLEARING AND BACKFILL IS SUBSIDIARY TO PAY ITEM 622.2026.0000 DOUBLE CONCRETE VAULTED TOILET. SEE SHEET 8.
- 4. INSTALL TOILET VAULTS PER MANUFACTURER'S SPECIFICATIONS.
- 5. VENT STACK ORIENTATION SHALL BE PER MANUFACTURER RECOMMENDATION, THEY SHOULD FACE SOUTHWEST.
- 6. SEE SECTION 622 FOR ADDITIONAL REQUIREMENTS.
- 7. TRANSITION FROM 3% TO 5% SLOPE OVER 10' IN FRONT OF CONCRETE PAD OF TOILET VAULTS. BEYOND THAT GRADE AT 1.5% TO COMPLY WITH ADA.
- 8. FINAL GRADING AND DIMENSIONS MAY REQUIRE MINOR FIELD ADJUSTMENT AS DIRECTED BY THE ENGINEER.



STATE OF ALASKA
Department of Transportation and Public Facilities
Maintenance & Operations
Northern Region

SHEET: 23 of 31
DATE: JAN 2022

COPPER RIVER BOAT
LAUNCH FACILITIES
IMPROVEMENTS (FLAP)
VAULTED TOILET
DETAILS

0851072/NFWHY00539

NO.	DATE	REVISION

X:\projects\misa\mccarthy mp 1.5 campground upgrade\mccarthy mp 1.5 campground expansion\3 Drafting\ESCP Template-ESCP Jun 20, 2022 - 3:54pm
PLANS DEVELOPED BY: STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES, NORTHERN REGION, 2301 PEGER ROAD, FAIRBANKS, AK 99709 (907)451-2200

SITE DESCRIPTION:

1.

WORK SITE AT BOAT LAUNCH/CAMPGROUND IS LOCATED AT APPROXIMATELY MP 1.5 MCCARTHY ROAD, ABOUT 1.5 MILES FROM THE COMMUNITY OF CHITINA, ALASKA. ENTRANCE TO CAMPGROUND COORDINATES ARE AT LAT 61°31'43.45"N, LONG 144°24'15.29"W.
2.

THE MCCARTHY ROAD 1.5 CAMPGROUND WAS CONSTRUCTED IN 1972. FEW MINOR IMPROVEMENTS OCCURRED OVER THE YEARS TO THIS PRIMITIVE CAMPGROUND FACILITY. IT IS MOSTLY USED BY RECREATIONAL USERS AND SEASONAL SALMON FISHERMEN WHO COME TO DIPNET FOR SALMON IN THE COPPER RIVER FISHERY. SIGNIFICANT PERCENTAGE OF USERS BRING THEIR PERSONAL BOATS AND SOME CHOOSE TO LAUNCH THEM ON THE SOUTH SIDE OF MCCARTHY RIVER WHERE USERS ACCESS RIVER DRIVING THROUGH THE CAMPGROUND.
3.

PROJECT INVOLVES CONSTRUCTION OF APPROXIMATELY 153'X210' GRAVEL PARKING LOT ADJACENT TO THE CAMPGROUND LOOP. CLEARING FOOTPRINT FOR PARKING LOT WILL BE APPROXIMATELY 1 ACRE. NEW CONCRETE VAULTED RESTROOM WILL BE CONSTRUCTED WITH NEW 0.05 ACRE AREA CLEARED.
4.

CAMPGROUND ROADS WILL BE REGRADED TO REBALANCE LOCAL SURFACE IRREGULARITIES AND WILL RECEIVE 6 INCHES OF AGGREGATE SURFACE COURSE, GRADING D-1.
5.

EXISTING CAMPSITES SITES WILL BE UPGRADED WITH 6 INCHES D-1 AGGREGATE AT CONSTRUCTED PARKING AND ADJOINING PICNIC GRAVEL PAD. GRAVEL PADS WILL RECEIVE ADA-COMPLIANT PICNIC TABLES AND FIRE RINGS. SEVERAL ADA-COMPLIANT BEAR-PROOF GARBAGE CANS WILL BE INSTALLED NEAR RESTROOMS AND SEVERAL SPOTS AT PARKING LOT. ADDITIONALLY, AN EXISTING RESTROOM WILL BE PAINTED AND UPGRADED.
6.

A REVIEW OF THE ALASKA DEPARTMENT OF CONSERVATION (ADEC) DATABASE OF CONTAMINATED SITES ON DECEMBER 21, 2021 INDICATED NO RELEASE, SPILLS, OR UNDERGROUND STORAGE TANK LEAKS HAVE BEEN REPORTED WITHIN THE PROJECT AREA. NEAREST REPORTED LEAKS WERE ABOUT 1.5 MILES AWAY IN THE COMMUNITY OF CHITINA (STRELNA ROADHOUSE, TRADING POST CAFE AND CHITINA POWER PLANT).
7.

A SEARCH OF THE ADEC DRINKING WATER PROTECTION AREAS (DWPA) MAP LOCATED AT HTTP://DEC.ALASKA.GOV/DAS/GIS/APPS.HTM SHOWED THIS PROJECT AREA DOES NOT INTERSECT WITH ANY DRINKING WATER PROTECTION AREAS. THE NEAREST SITES ARE LOCATED AT COMMUNITY OF CHITINA 1.5 MILES AWAY (GILPATRICK HOTEL, CHITINA HUD HOUSING).
8.

PROJECT AREA AND ESTIMATED DISTURBED AREA (PROJECT LIMITS): 1.1 ACRE FOR PARKING LOT AND 0.05 ACRE AT SITE OF NEW RESTROOM FACILITY. ADDITIONALLY IT IS ESTIMATED THAT SOUTH LIBERTY MATERIAL SITE MS-850-032-5 AT EDGERTON HWY 23.8 WILL BE MADE AVAILABLE FOR STAGING AND MATERIAL PRODUCTION (APPROXIMATELY 0.7 ACRES DISTURBANCE). AREA OF NEW FILL IS APPROXIMATELY 0.85 ACRES.
9.

ADDITIONALLY AGGREGATE BASE COURSE, GRADING D-1 FROM EXISTING M&O STOCKPILE WILL BE MADE AVAILABLE AT KUSKULANA MS-850-008-5 LOCATED AT THE MCCARTHY ROAD MP 17.3
10.

PROJECT SITE HAS A MODERATE CLIMATE. WINTER TEMPERATURES AVERAGE BETWEEN -1.1°F AND 8.3°F. SUMMERS CAN BE MILD TO MODERATELY WARM WITH TEMPERATURES AVERAGING BETWEEN 45°F AND 65°F. AVERAGE PRECIPITATION WAS ESTIMATED AT 10.99 INCHES. WARMEST MONTH IS JULY. WETTEST MONTH IS JULY. MONTHS WITH SNOWFALL ARE OCTOBER TROUGH APRIL.
11.

AVERAGE ANNUAL PRECIPITATION IS 10.99 IN (CHITINA STATION (50-1824), LAT. 61.5167°; LONG. -144.4333°, PER WESTERN REGIONAL CLIMATE DATA CENTER WEBSITE HTTPS://WRCC.DRI.EDU, SEE APPENDIX E FOR MONTHLY CLIMATE SUMMARY.
12.

PROBABLE MAXIMUM PRECIPITATION FOR 2 YEAR, 24 HOUR IS 1.56 IN AT THE CHITINA STATION (50-1824), LAT. 61.5167°; LONG. -144.4333° PER HTTPS://HDSC.NWS.NOAA.GOV/HDSC/PFDS/PFDS_MAP_AK.HTML
13.

NAME(S) OF RECEIVING WATERS: COPPER RIVER AND ADJACENT WETLANDS. (ALL PROJECT IS IN UPLANDS.
14.

IMPAIRED WATERS: NONE OF RECEIVING WATERS ARE ON LIST.
15.

SOILS THE AREA GENERALLY ENCOUNTER UNFROZEN ALLUVIAL SILTY SAND WITH AND WITHOUT GRAVEL; GRAVEL WITH SILT AND SAND; AND SAND WITH SILT AND GRAVEL, WITH COBBLES AND BOULDERS.
16.

PERMIT CONDITIONS: N/A. ONLY CATEGORICAL EXCLUSION PERMIT IS ON FILE. COMPLY WITH CONDITIONS OF THE THREATENED AND ENDANGERED SPECIES ACT AND WETLANDS WORK COMMITMENTS.
17.

MIGRATORY BIRD TREATY: ALL CONSTRUCTION ACTIVITIES SHALL COMPLY WITH THE MIGRATORY BIRD TREATY ACT (MBTA) TO PREVENT THE KILLING OR TAKING OF MIGRATORY BIRDS OR ANY PART, NEST OR EGG OF SUCH BIRDS. THE MIGRATORY BIRD WINDOW FOR THE PROJECT AREA IS MAY 1 TO JULY 15, AND IS PROVIDED BY THE USFWS AS A GENERAL GUIDELINE FOR COMPLIANCE WITH THE MBTA.
18.

HISTORIC PLACES: NO HISTORIC PROPERTIES HAVE BEEN IDENTIFIED WITHIN THE PROJECT LIMITS.

NOTES:

1.

A STORM WATER POLLUTION AND PREVENTION PLAN IS REQUIRED FOR THIS PROJECT. SEDIMENT CONTROL MEASURES AND TEMPORARY EROSION CONTROL FEATURES SHALL BE BASED ON THE LATEST BEST MANAGEMENT PRACTICES (BMP'S), AND THE DEPARTMENT'S ALSKA STORM WATER PREVENTION PLAN GUIDE. THE CONTRACTOR SHALL USE THE ESCP INFORMATION AND CONTROLS PROVIDED IN THESE PLANS AS GENERAL GUIDANCE IN DEVELOPING THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
2.

THE CONTRACTOR WILL BE REQUIRED TO HAVE A SWPPP MANAGER/STORMWATER LEAD WHO IS RESPONSIBLE FOR IMPLEMENTING THE SWPPP.
3.

INSTALL PERIMETER CONTROL DEVICES PRIOR TO EXPOSING ERODIBLE SOILS. DEVICES MAY HAVE TO BE REMOVED AND REINSTALLED DAILY TO ALLOW CONSTRUCTION ACTIVITIES TO PROCEED. MAINTAIN ALL DEVICES ON A DAILY BASIS OR AS REQUIRED BY CGP (4.13), INCLUDING BUT NOT LIMITED TO, REMOVAL AND DISPOSAL OF ACCUMULATED SOILS, CLEANING DEVICES AND REPLACEMENT OF DAMAGED DEVICES WITH NEW. ALL COSTS ASSOCIATED WITH THESE MAINTENANCE, REMOVAL AND REINSTALLATION ACTIVITIES ARE SUBSIDIARY TO ITEM 641.0003.0000.
4.

TIMING OF BMP INSTALLATION SHALL MATCH REQUIREMENTS OF THE CONSTRUCTION GENERAL PERMIT (CGP). STABILIZATION MUST BE IN ACCORDANCE WITH CGP SECTION 4.5. (PP. 27-28).
5.

FOR ADDITIONAL REQUIREMENTS, SEE SECTION 641 OF THE 2020 ALASKA STANDARD SPECIFICATIONS, EROSION AND SEDIMENT CONTROL PLAN AND THE DEC CERTIFICATE OF REASONABLE ASSURANCE FOR SURROUNDING WATERS.
6.

INSTALL PERIMETER SEDIMENT PROTECTION AT ALL LOCATIONS WHERE EXCAVATION SEDIMENT RUNOFF CAN OCCUR.
7.

IDENTIFY, LOCATE AND PROTECT ALL OTHER LOCATIONS THAT MAY NEED TO BE PROTECTED FROM THE PROJECT-GENERATED SEDIMENTS; THIS REQUIREMENT ALSO INCLUDES MATERIAL SITES IF THEY ARE DESIGNATED AS AVAILABLE AND ARE SUBJECT TO MATERIAL SALES AGREEMENTS WHERE STATE OF ALASKA HAS A LEGAL INVOLVEMENT.
8.

IF EXCAVATION DEWATERING WITHIN THE 1,500' OF DEC CONTAMINATED SITE IS NECESSARY, COMPLY WITH THE DEC EXCAVATION DEWATERING PERMIT.
9.

CONSTRUCTION ENTRANCE/EXIT MUST BE ESTABLISHED TO MINIMIZE OFF-SITE IMPACTS AND AT ALL MATERIAL SITE ENTRANCE/EXITS.
10.

PROTECT INLET & OUTLETS AT CULVERTS. SEE ADDITIONAL SHEET FOR EXISTING SURFACE DIRECTION OF FLOW.

TIMING OF BMP INSTALLATION:

1.

THE EROSION PREVENTION AND SEDIMENT CONTROL BMP'S WILL BE INSTALLED PRIOR TO START OF CONSTRUCTION, AS NECESSARY TO MINIMIZE EROSION FROM DISTURBED SURFACES AND CAPTURE SEDIMENT ON SITE.

MATERIAL SITE NOTES:

TWO MATERIAL SITES ARE DESIGNATED AS "AVAILABLE" TO PRODUCE SUBBASE, GRADING F AND AGGREGATE SURFACE COURSE, GRADING D-1 FOR THE PROJECT AT THIS TIME:

1.

SOUTH LIBERTY PIT MS-850-032-5 LOCATED AT EDGERTON HIGHWAY MP 23.8.
2.

WOOD PIT SITE MS-850-085-5 LOCATED AT THE MCCARTHY ROAD MP 26.5
3.

BURMA PIT MS-71-1-006-5 LOCATED AT THE RICHARDSON HIGHWAY MP 74 (BARRIER ROCK).
4.

KUSKULANA PIT MS-850-008-5 LOCATED AT THE MCCARTHY ROAD MP 17.3 (EXISTING M&O AGGREGATE SURFACE COURSE, GRADING D-1 STOCKPILE)

IN-WATER WORK (NOT EXPECTED):

1.

ALL IN-WATER WORK WILL BE ISOLATED FROM FLOWING WATER

WETLAND AREAS (NOT EXPECTED):

1.

WETLAND IMPACT AREAS ARE NOT EXPECTED. PROJECT IS IN THE VICINITY OF COPPER RIVER BUT THERE IS NO WORK BELOW ORDINARY HIGH WATER.
2.

ALL PROJECT WORK IS IN UPLANDS. ROAD RESURFACING STOPS APPROXIMATELY 40 FT FROM THE COPPER RIVER.

PROJECT DISTURBANCE LIMITS:

- 1)

CLEARING LIMITS ARE GENERALLY 20' FROM THE NEW EMBANKMENT TOE OF PARKING LOT
- 2)

CLEARING LIMITS ARE GENERALLY AT LEAST 12' FROM OR NEW BUILDING STRUCTURE (SEE PLAN SHEET 8).

DITCH PROTECTION AND CONCENTRATED FLOWS (NOT EXPECTED):

1.

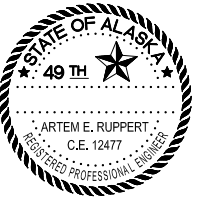
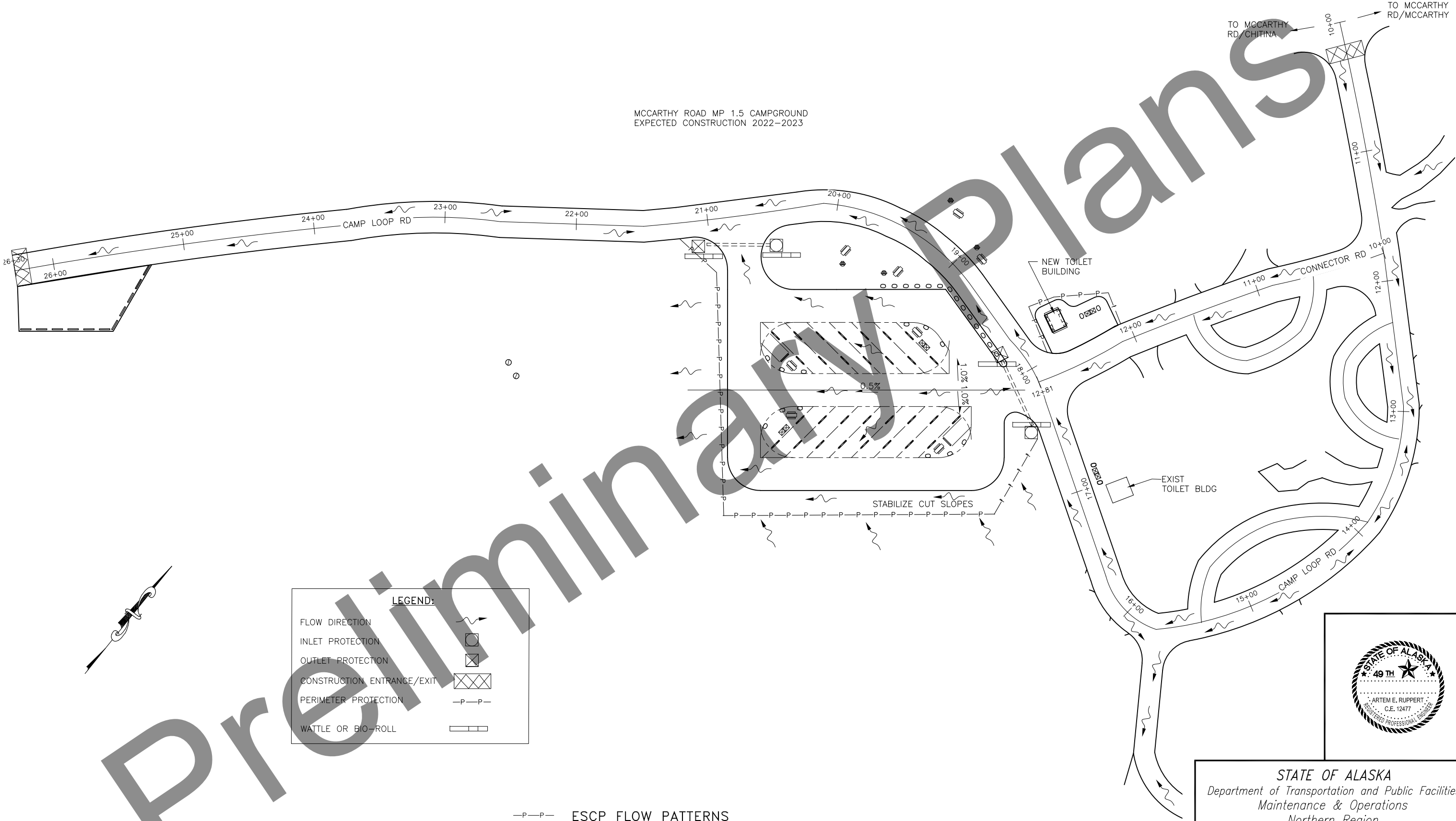
WHEN POSSIBLE AVOID CONDITIONS WHICH PROMOTE CONCENTRATED FLOWS. WHEN CONCENTRATED FLOWS OCCUR INSTALL VELOCITY CONTROL BMP'S (E.G. ROCK CHECK DAMS) OR NON-ERODIBLE CHANNEL LINING (E.G. RIPRAP, TYPE A LINING, CONCRETE CHANNEL LINING ETC).

NO.	DATE	REVISION
STATE OF ALASKA Department of Transportation and Public Facilities Maintenance & Operations Northern Region		
SHEET:	24 of 31	COPPER RIVER BOAT LAUNCH FACILITIES IMPROVEMENTS (FLAP)
DATE:	JAN 2022	
0851072/NFHWY00539		ESCP

X:\projects\misa\mccarthy mp 1.5 campground upgrade\mccarthy mp1.5 campground expansion\3 Drafting\Sign Layout-Flow patterns Jan 21, 2022 - 4:39pm
PLANS DEVELOPED BY: STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES, NORTHERN REGION, 2301 PEGER ROAD, FAIRBANKS, AK 99709 (907)451-2200

NO.	DATE	REVISION

MCCARTHY ROAD MP 1.5 CAMPGROUND
EXPECTED CONSTRUCTION 2022-2023



STATE OF ALASKA
Department of Transportation and Public Facilities
Maintenance & Operations
Northern Region

SHEET: 25 of 31

DATE: JAN 2022

0851072/NFHWY00539

COPPER RIVER BOAT
LAUNCH FACILITIES
IMPROVEMENTS (FLAP)
ESCP FLOW
PATTERNS

—P—P— ESCP FLOW PATTERNS
NO SCALE

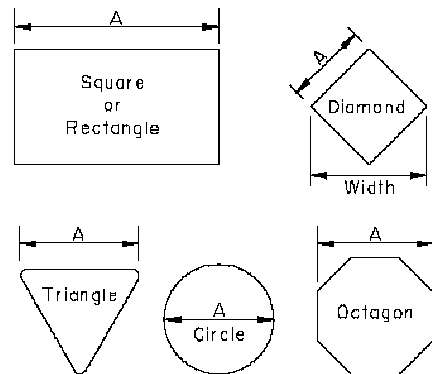
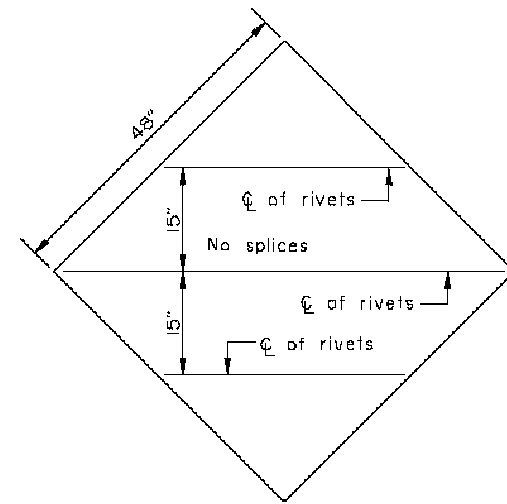
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0851072/NFHWY00539	2022	26	31

S-00.12

SHEET
| of |

GENERAL NOTES

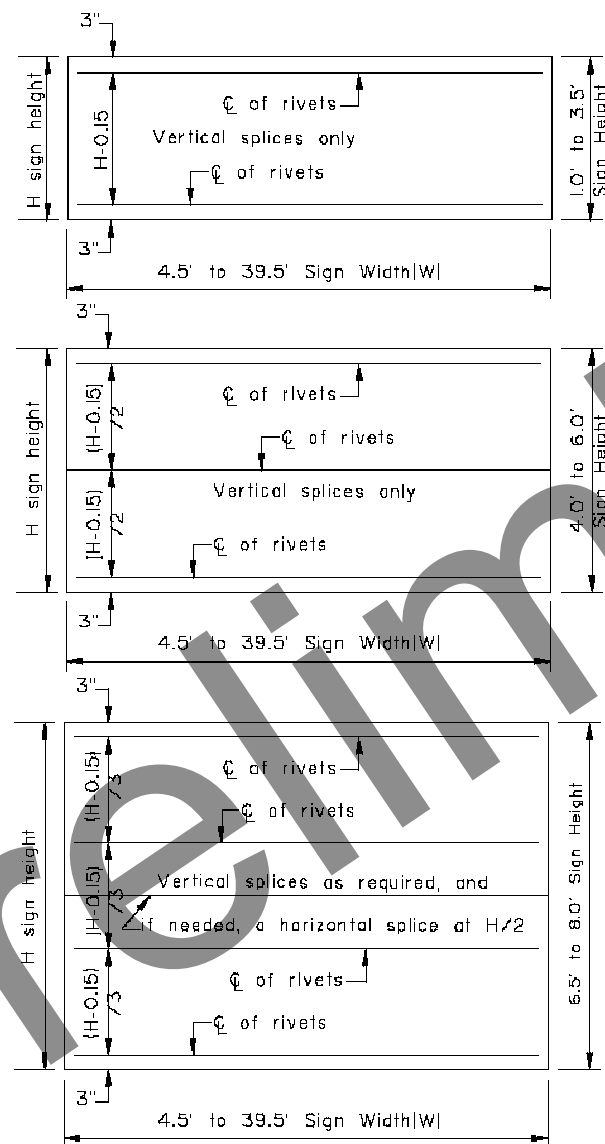
1. See the standard specifications for the aluminum alloys that you may use for sign sheeting and wind framing members.
2. Fabricate all signs from 0.125" thick aluminum sheeting.
3. Sign fabricators may use alternates to the zee shaped framing member with approval of the engineer, if the frame manufacturer certifies their design equals or exceeds the strength of the zee shaped design.
4. Install one piece wind framing members on all signs up to 23.5' wide. Use one splice in each wind frame on all signs wider than 23.5'. Locate splices at least 18" from all posts and panel edges. Stagger splices in adjacent framing members at least 8.0' apart.
5. Attach wind framing members with rivets or with an engineer approved, double sided, high strength, adhesive tape. Clean and handle sheeting and framing members and apply tape in accordance with the tape manufacturer's written instructions. Install two rivets in both ends of each framing member.
6. Use 3/16" diameter rivets conforming to aluminum alloy 6061-T6 for cold driven rivets, or aluminum alloy 6061-T43 for hot driven rivets.
7. Sign fabricators may use sign panels extruded with integral framing with approval of the engineer, if the manufacturer certifies their design equals or exceeds the strength of the 0.125" thick panel with framing attached to it.
8. Frame all signs taller than 8.0' with five wind framing members located $(H-0.15)/4$ spaces. If needed, make a horizontal splice at the middle wind frame.
9. Do not use round pipes for sign supports.



Sign Shape	A
Squares, Shields, and Route Markers	48"
Rectangles	48"
Diamonds	48"
Triangles	48"
Rounds and Octagons	48"

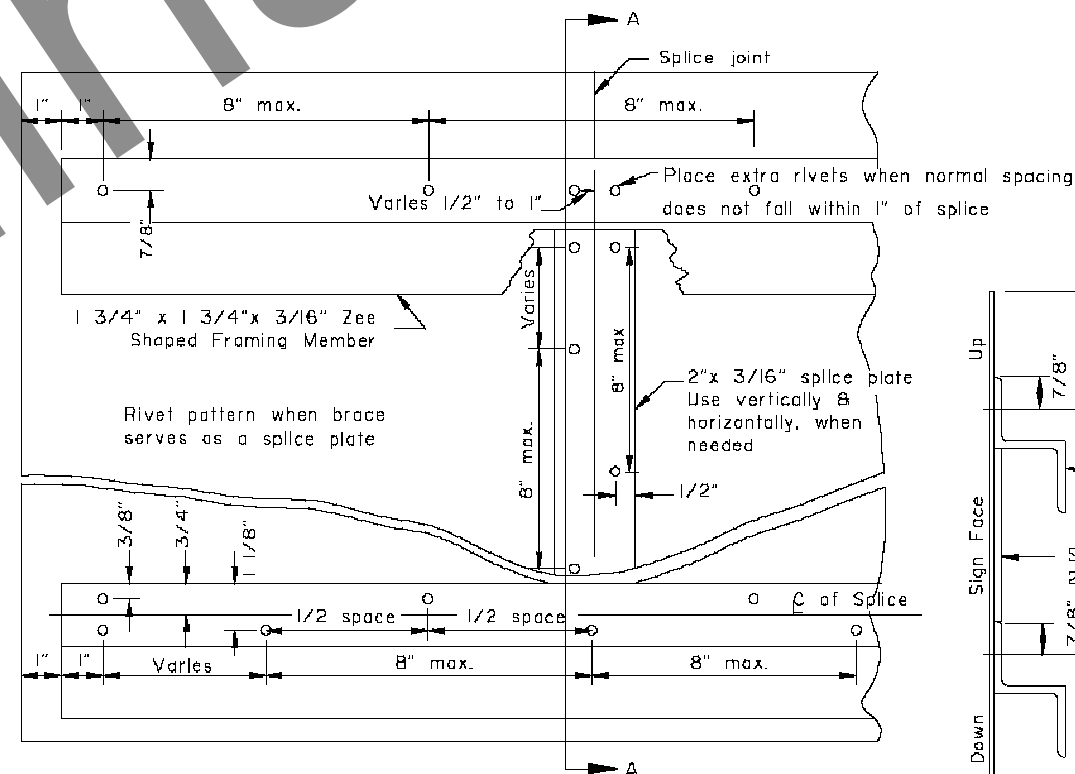
Install wind framing on all signs that exceed the dimensions listed.

LIGHT SIGNS

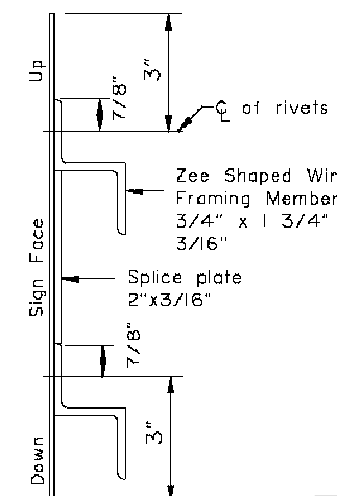


WIND FRAMING LOCATIONS

Note: Drawing not to scale



RIVET DETAIL FOR ZEE SHAPED
WIND FRAMING & SPLICE PLATE



SECTION A-A

State of Alaska DOT&PF
ALASKA STANDARD PLAN

SIGN FRAMING

Adapted as an Alaska
Standard Plan by: Carolyn Morehouse
Carolyn Morehouse, P.E.
Chief Engineer

Adoption Date: 7/17/2020

Last Code and Stds. Review
By: WTH Date: 7/8/2020

Next Code and Standards Review date: 7/8/2030

S-00.12

S-00.12

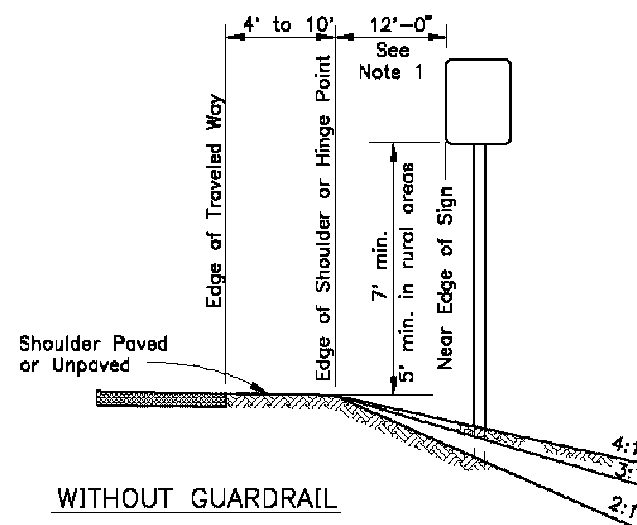
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0851072/NFHWY00539	2022	28	31

S-05.02

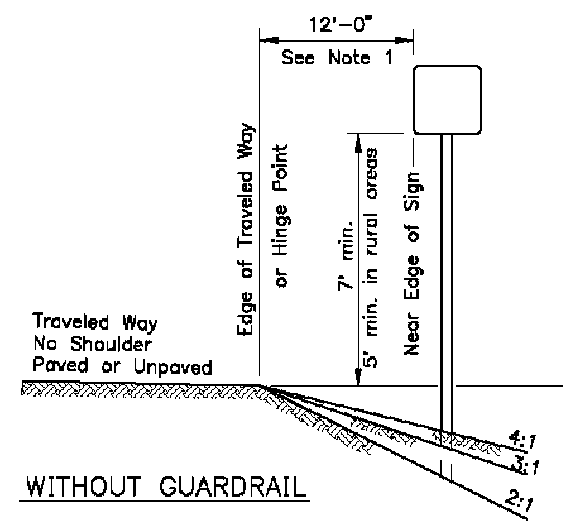
SHEET
1 of 1

GENERAL NOTES

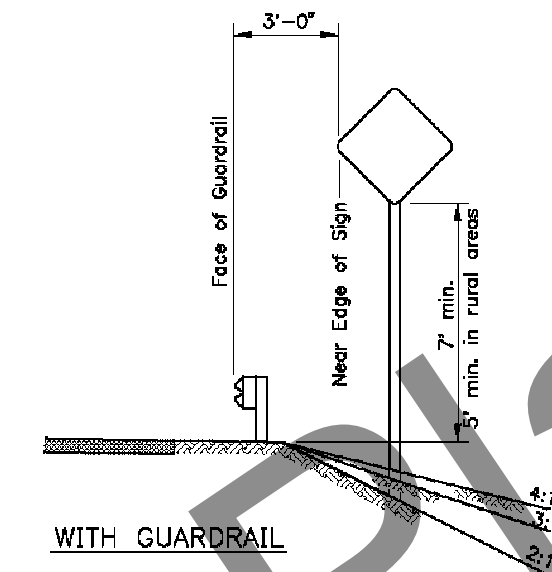
1. Unless shown otherwise on the plans, the standard sign offset is 12'. The minimum is 6' where shoulder width is 6' or greater.
2. Add 6" to mounting height on unpaved roads.
3. If signs extend over bike paths, the minimum vertical clearance is 8' 0".
4. When signs are placed 30' or more from the edge of traveled way, mount them with the bottom of the sign at least 5' above the road surface at the near edge of the road.
5. When multiple hinged sign supports are used, mount hinges at least 7' above the ground.
6. Minimum mounting height is 7'-0" where parking or pedestrian movements are likely to occur, or where signs extend over sidewalks.
7. For construction signs in rural areas, mounting height shall be 7' minimum.



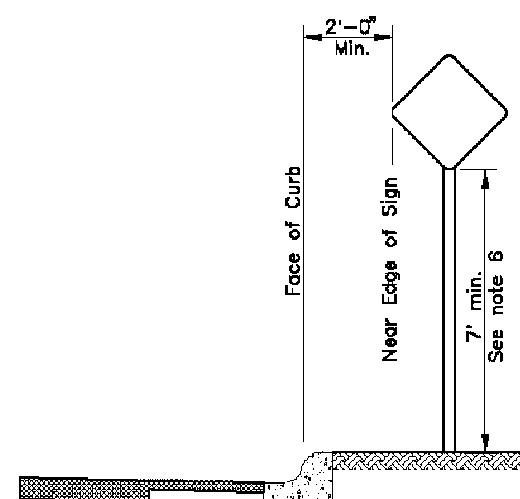
WITHOUT GUARDRAIL
SUBGRADES OVER 28', ALL SLOPES



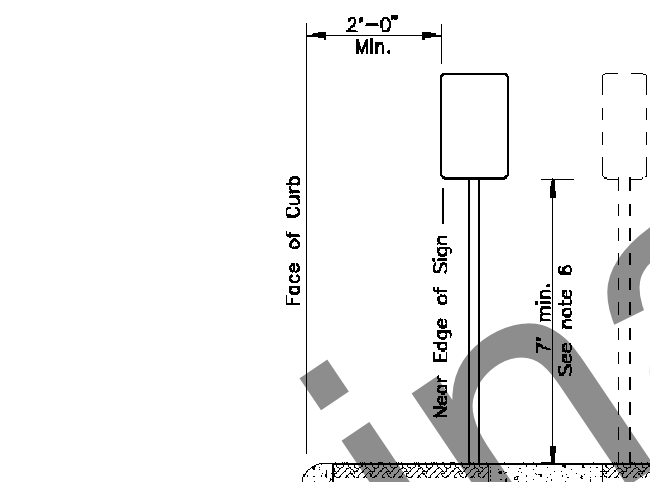
WITHOUT GUARDRAIL
SUBGRADES 24' TO 28', ALL SLOPES



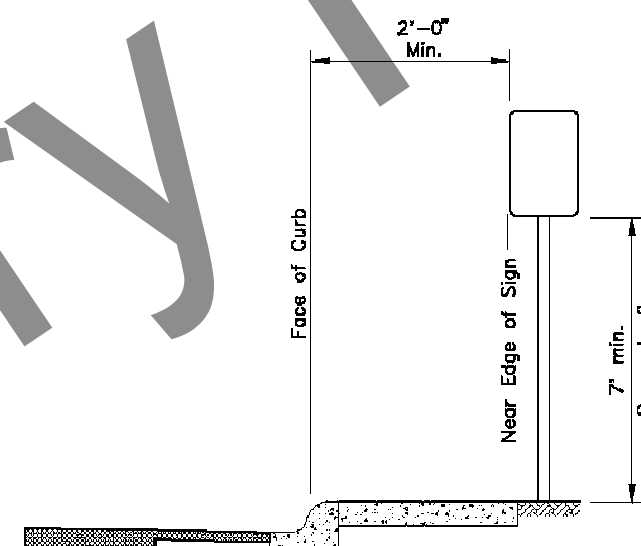
WITH GUARDRAIL
ALL SUBGRADES, ALL SLOPES



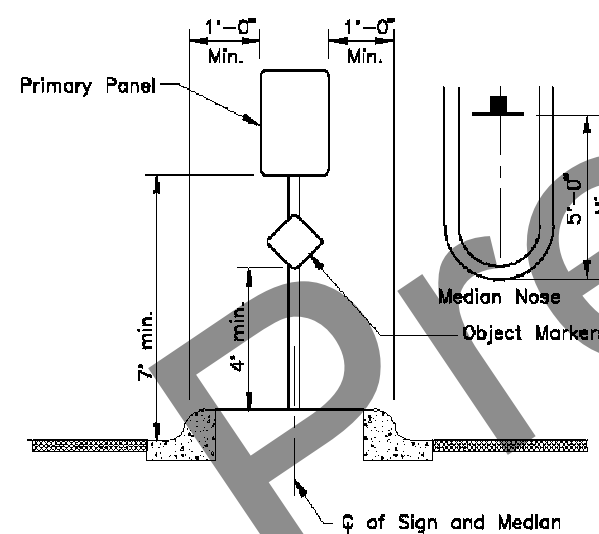
CURB WITHOUT SIDEWALK



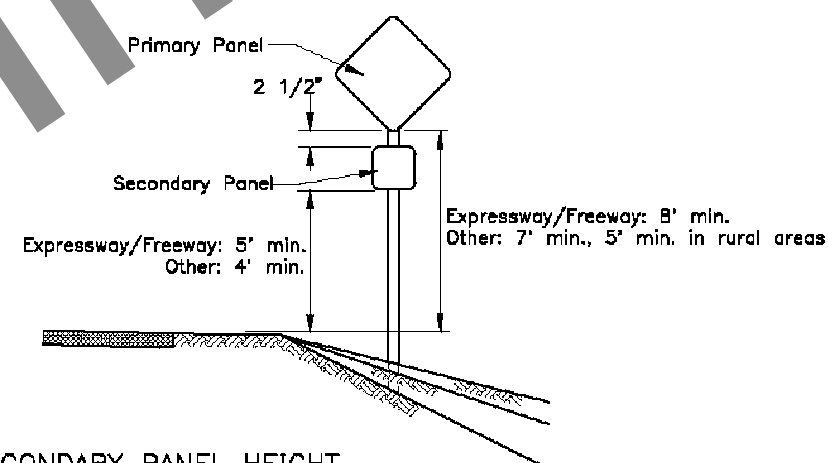
CURB WITH PARKWAY AND SIDEWALK
(If R/W width permits, signs should be placed behind sidewalk.)



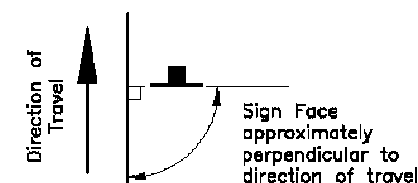
CURB WITH SIDEWALK WITHOUT PARKWAY



RAISED MEDIANS
Minimum 4' Width for Signing



SECONDARY PANEL HEIGHT
ALL TWO PANEL MOUNTING



SIGN POSITIONING

State of Alaska DOT&PF
ALASKA STANDARD PLAN

POST MOUNTED SIGN OFFSET AND HEIGHT

Adopted as an Alaska
Standard Plan by: Carolyn Morehouse
Carolyn Morehouse, P.E.
Chief Engineer

Adoption Date: 7/17/2020

Last Code and Stds. Review
By: KKK Date: 7/8/2020

Next Code and Standards Review Date: 7/8/2030

S-05.02

S-05 02

PLANS DEVELOPED BY: STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES, NORTHERN REGION, 2301 PEGER ROAD, FAIRBANKS, AK 99709 (907)451-2200
X:\projects\misc\incumbent\mp_1.5\background upgrade\incumbent\mp_1.5\background expansion\9_Drafting Standard Drawings-S-30.05 Mon, Jan/24/22 02:22pm

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0851072/NFHWY00539	2022	29	31

S-30.05

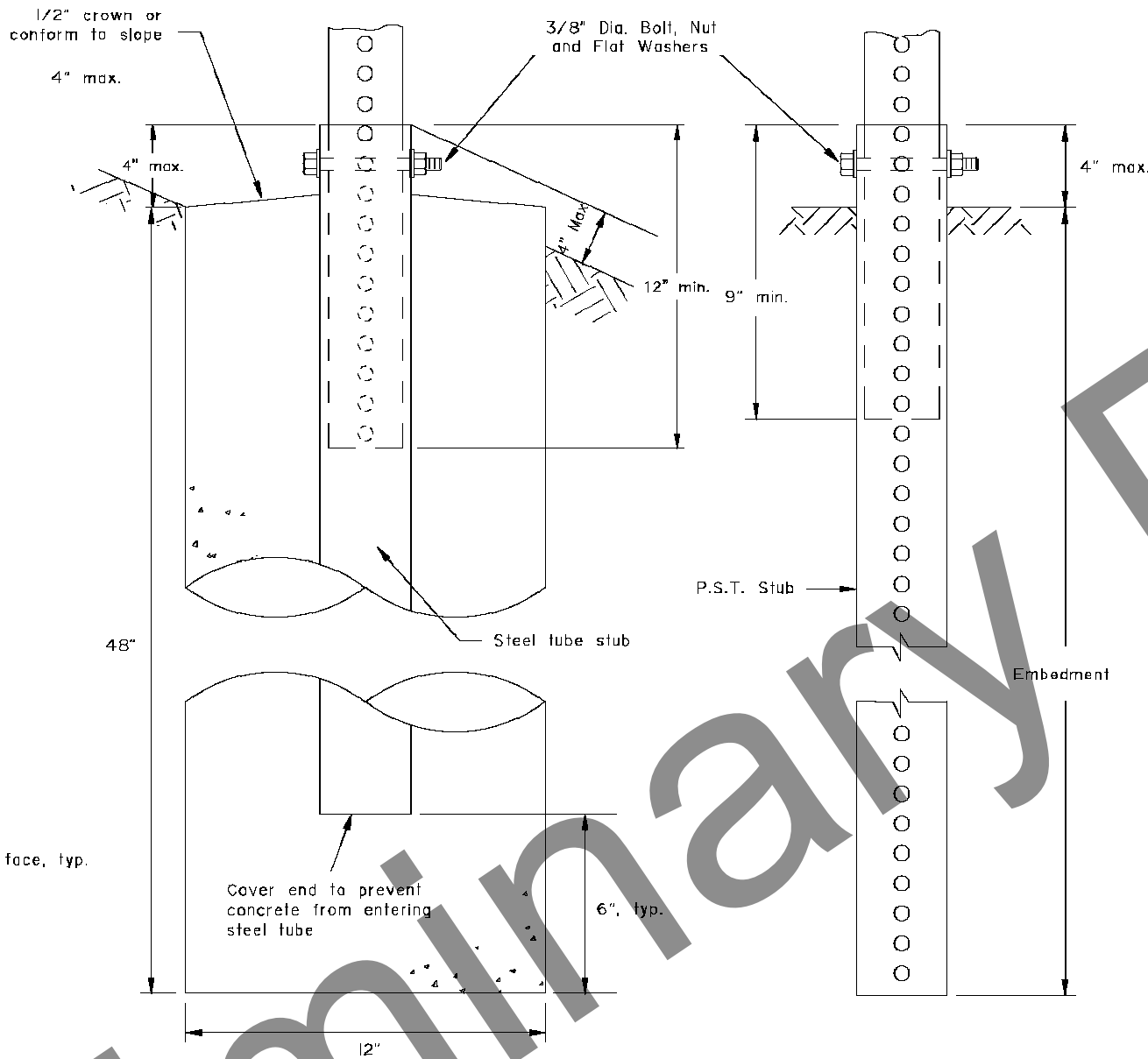
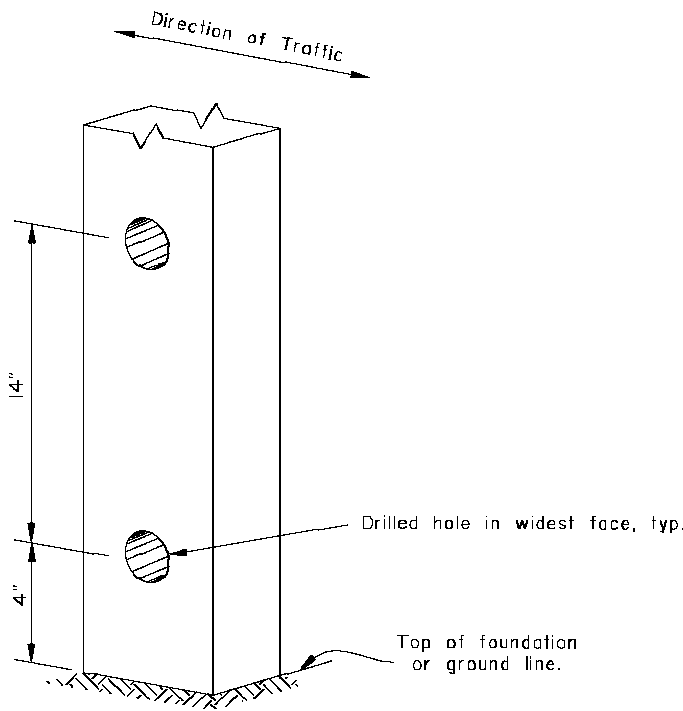
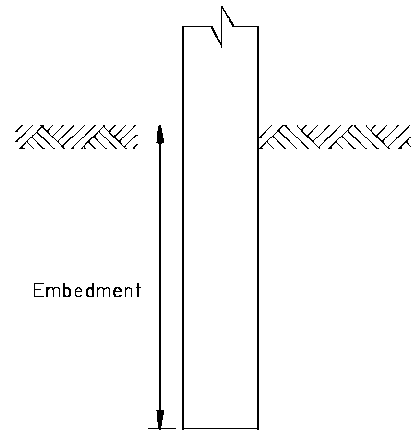
SHEET
| of |

GENERAL NOTES:

- Sign shall be placed symmetrically around posts and refer to Standard Plan S-00 for sign framing details.
- See plans for type of post, size and embedment type.
- To maintain crashworthiness, install no more than the number of P.S.T.s or wood posts specified in the tables within 7' of each other.
- Concrete shall be class B.
- Do not use the supports on this drawing for multiple support signs if supports are separated by more than 7 feet.
- Treat all field cuts and field drilled holes in wood posts in accordance with Section 730-2.04 of the Standard Specifications.

SIGN POST SPACING NOTES:

- Install sign support in accordance with the table below, unless otherwise required by plans or specifications.
- Exceptions:
 - Use one post for all E5-I gore signs, regardless of width.
 - Use one 2.5" P.S.T. for all STOP signs, with or without street name signs.
- Supports placed within 7' of each other must be acceptable for that use. See tables below for the sizes of wood posts and P.S.T.s that may be used within 7'. See Manufacturer's documentation for breakaway couplings and tubes that may be used within 7'.
- See Standard Plan S-31 for frangible couplings, hinges, and foundations for tube and W-shape sign supports.



SLEEVE TYPE
CONCRETE FOUNDATION

SLEEVE TYPE*
SOIL EMBEDMENT

WOOD SIGN POSTS			
SIZE	HOLE DIA.	EMBEDMENT*	NO. OF POSTS WITHIN 7 FT. PATH
4"x4"	NONE	4'-1"	2
4"x6"	1 1/2"	5'-3"	2
6"x6"	1 1/2"	4'-9"	1
6"x8"	3"	4'-9"	1

Embedment depth applies in both strong and weak soil.

WOOD POSTS

PERFORATED STEEL TUBES (P.S.T.)			
POST SIZE	Embedment Depth	No. of P.S.T.s permitted within 7 ft path	
1 1/2" x 1 1/2"	4'-8"	2	
1 3/4" x 1 3/4"	4'-6"	2	
2" x 2"	4'-3"	2	
2 1/4" x 2 1/4"	5'-0"	1	
2 1/2" x 2 1/2"	4'-6"	1	

* Use 3"x3"x3/16" Stub for 2 1/2"x2 1/2" PST Applications.

PERFORATED STEEL TUBE (PST) POSTS

TUBE SIGN POST SPACING								
Sign Width (feet)	No. of Posts	Distance Between Posts	Sign Overhang	Post Type				Notes
				P.S.T.	Wood	Steel Tube	W-Shape	
0.5 to 4.0	1	-	0.5W	X	X	X		See Note 2.
4.5 to 10.0	2	0.6W	0.2W	X	X	X		See Note 3.
10.5 to 11.0	2	6	Varies	X	X	X		See Note 3.
11.5 to 13.0	2	8	Varies				X	
13.5 to 20.0	2	0.6W	0.2W				X	
20.5 to 22.5	3	8	Varies				X	
23.0 to 29.5	3	0.35W	0.15W				X	
30.0 to 31.5	4	8	Varies				X	
32.0 to 40.0	4	0.25W	0.125W				X	

TUBE SIGN POST SPACING

Note: Drawing not to scale

State of Alaska DOT&PF
ALASKA STANDARD PLAN

LIGHT SIGN STRUCTURE
POST EMBEDMENT

Adopted as an Alaska
Standard Plan by: *Carolyn Morehouse*
Carolyn Morehouse, P.E.
Chief Engineer

Adoption Date: 7/17/2020

Last Code and Stds. Review
By: WTH Date: 7/8/2020

Next Code and Standards Review date: 7/8/2030

S-30.05

S-30.05

PLANS DEVELOPED BY: STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES, NORTHERN REGION, 2301 PEGER ROAD, FAIRBANKS, AK 99709 (907)451-2200
X:\projects\misc\incumbent\mp_1.5\compground\upgrade\incumbent\mp_1.5\compground\expansion\9\Drilling Standard Drawings-S-31.02 Mon, Jan/24/22 02:22pm

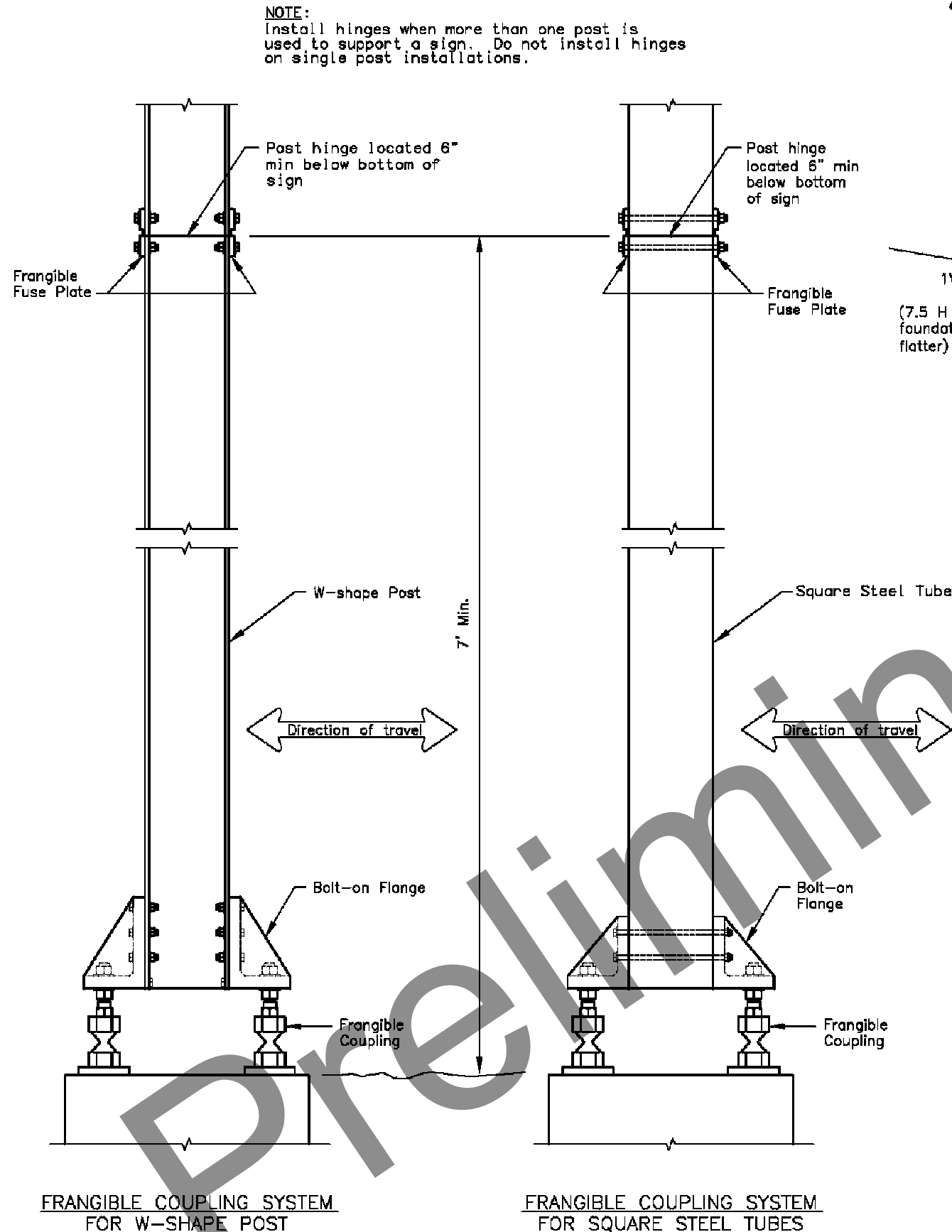
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0851072/NFHWY00539	2022	30	31

S-31.02

SHEET
1 of 1

GENERAL NOTES

- Furnish sign posts with NCHRP 350 compliant frangible couplings designed to break away safely when struck from any direction. There is no MASH compliant device at this time. See SPDR report for more info.
- Furnish frangible coupling systems with bolt-on flanges.
- Details on this sheet illustrate only the general components of a frangible coupling system, and are not intended to specify a particular product.
- Install frangible fuse plates as specified by the manufacturer and hinged joints when multiple posts are used to support a sign. Do not use round pipes.
- Install the components of the breakaway system, including hinges, in accordance with the written instructions of the system manufacturer.
- Use Class A, B or W concrete conforming to Sections 501 or 550 of the Standard Specifications. Furnish ASTM A615 grade 60 steel bars for concrete reinforcement conforming to AASHTO M31.
- Spiral reinforcing steel may be substituted for hoops in concrete foundation. Spiral option shall consist of #3 plain spiral with 6" pitch with three flat turns at the top and one flat turn at the bottom.
- Install the concrete anchors using a rigid template. Locate the anchors on centers and within tolerances specified by the manufacturer.
- Install the anchors in fresh concrete as recommended by the manufacturer. Adjust the template's final position until it is level. Remove and replace all foundations that need more than 2 shims under any 1 coupling or more than a total of 3 shims under any pair of couplings to plumb the post.
- Drill the holes for attaching brackets before the sign posts are hot dip galvanized. Test fit templates in the holes to ensure the brackets can be installed square to the posts.
- Special grading detail and/or shielding may be required to maintain 4" maximum clear distance.



SIGN POST FOUNDATION

See Table for depth and diameter

POST SIZE & TYPE	FOUNDATION *			REINFORCEMENT			
	DIA.	MIN. DEPTH	CY ³ CONC.	VERTICAL BARS QTY SIZE LGTH.	HOOPS QTY SIZE DIA.		
2 1/2" TUBE	1'-6"	6'-0"	0.39	7 #5 5'-6"	10 #4 1'-2"		
3" TUBE	1'-6"	6'-0"	0.39	7 #5 5'-6"	10 #4 1'-2"		
3 1/2" TUBE	1'-6"	6'-0"	0.39	7 #5 5'-6"	10 #4 1'-2"		
4" TUBE	2'-6"	6'-0"	1.09	8 #8 5'-6"	10 #4 2'-2"		
4 1/2" TUBE	2'-6"	6'-0"	1.09	8 #8 5'-6"	10 #4 2'-2"		
5" TUBE	2'-6"	6'-0"	1.09	8 #8 5'-6"	10 #4 2'-2"		
W6 x 9	2'-6"	6'-0"	1.09	8 #8 5'-6"	10 #4 2'-2"		
W6 x 12	2'-6"	6'-0"	1.09	8 #8 5'-6"	10 #4 2'-2"		
W6 x 15	3'-0"	6'-6"	1.70	8 #11 6'-0"	12 #4 2'-8"		
W6 x 30	3'-0"	7'-6"	1.96	8 #11 7'-0"	13 #4 2'-8"		

FOUNDATION TABLE

* Foundations sized for use where there are no loose, high moisture, or fine grained soils.

State of Alaska DOT&PF
ALASKA STANDARD PLAN

SIGN POST BASE AND FOUNDATION

Adopted as an Alaska
Standard Plan by: *Carolyn Morehouse*

Carolyn Morehouse, P.E.
Chief Engineer

Adoption Date: 7/17/2020

Last Code and Stds. Review
By: KLK, MJM Date: 7/8/2020

Next Code and Standards Review Date: 7/8/2030

S-31.02

S-31.02

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0851072/NFHWY00539	2022	31	31

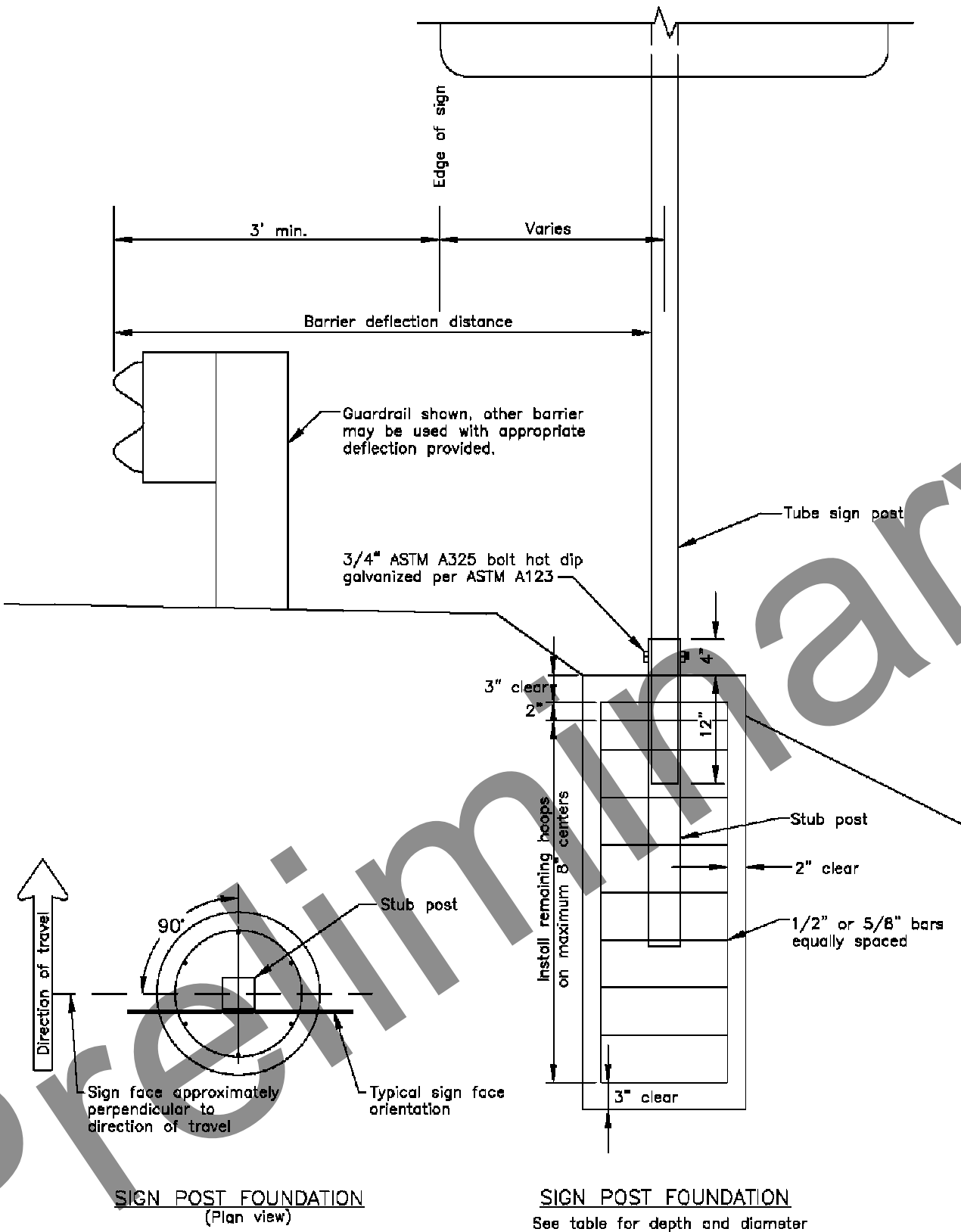
S-32.02

SHEET
1 of 1

GENERAL NOTES

1. This is a non-crashworthy sign support. It may only be used at locations shielded by a guardrail, barrier, or wall. It may not be used if the sign post is within 20' of the rail and is closer than 75' from the guardrail end post (measured along the rail). For this case use a breakaway sign support. See Standard Plan G-20.
2. Furnish steel tube sign post and stub post that conform to ASTM A500, grade B, and meet ASTM A123 for hot dip galvanizing.
3. Install tubes and stub post with a 0.1875" wall thickness.
4. For Perforated Tubes use Standard Plan S-30.
5. Spiral reinforcing steel may be substituted for hoops in concrete foundation. Spiral option shall consist of No. 3 plain spiral with 6" pitch with three flat turns at the top and one flat turn at the bottom.
6. Use Class A, B or W concrete.

POST SIZE & TYPE	FOUNDATION *			REINFORCEMENT						STUB POST	
	DIA.	MIN. DEPTH	C.Y. CONC.	VERTICAL BARS HOOPS						SLEEVE	
				QTY.	SIZE	LGTH.	SIZE	DIA.	SIZE	LGTH.	
2 1/2" TUBE	1'-0"	4'-6"	0.13	6	#4	4'-0"	#4	8"	3"	3'	
3" TUBE	1'-6"	4'-0"	0.25	7	#5	3'-6"	#4	1'-2"	3 1/2"	3'	
3 1/2" TUBE	1'-6"	4'-6"	0.27	7	#5	4'-0"	#4	1'-2"	4"	3'	
4" TUBE	2'-6"	4'-0"	0.69	8	#8	3'-6"	#4	2'-2"	4 1/2"	3'	
4 1/2" TUBE	2'-6"	4'-6"	0.78	8	#8	4'-0"	#4	2'-2"	5"	3'	



State of Alaska DOT&PF
ALASKA STANDARD PLAN

SIGN POST BASE AND
FOUNDATION BEHIND
BARRIER

Adopted as an Alaska
Standard Plan by: *Carolyn Morehouse*
Carolyn Morehouse, P.E.
Chief Engineer

Adoption Date: 7/17/2020

Last Code and Stds. Review
By: KKK Date: 7/8/2020

Next Code and Standards Review Date: 7/8/2030

S-32.02

S-32.02

X:\projects\misa\mccarthy mp 1.5 campground upgrade\mccarthy mp1.5 campground expansion\3 Drafting\ESCP Template-Existing restroom repair Jun 26, 2022 - 2:26pm
PLANS DEVELOPED BY: STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES, NORTHERN REGION, 2301 PESER ROAD, FAIRBANKS, AK 99709 (907)451-2200



WOODEN RESTROOM DOUBLE-CAPACITY FACILITY,
FRONT ENTRANCE VIEW AS OF NOVEMBER 2021



NOTES:

REPAIR EXISTING ~16'X14'X10' RESTROOM FACILITY PER PAY ITEM 622.0001.0000 TREST AREA, RESTROOM FACILITY REPAIR. SEE SECTION 622 SPECIFICATIONS. M&O WILL PROVIDE ACCESS TO BUILDING IF LOCKED. REPAIRS INCLUDE PAINTING INTERIOR AND EXTERIOR WALL SURFACES AND UPGRADING INSIDE ACCESSORIES TO ADA STANDARDS.



SIDE VIEW OF BUILDING AS OF NOVEMBER 2021

LEFT BATHROOM AS OF NOVEMBER 2021



RIGHT BATHROOM AS OF NOVEMBER 2021



LIST OF OUTSIDE IMPROVEMENTS

- CLEANING, SURFACE PREPARATION AND PAINTING (ROOF EXCLUDED)
- ADD RESTROOM SIGNS BY EACH DOOR

LIST OF INSIDE IMPROVEMENTS

- CLEANING WALLS AND FLOOR
- CONCRETE FLOOR TREATMENT
- SURFACE PREPARATION AND PAINTING
- TOILET RISERS REPLACEMENT (2 EACH)
- REPLACE TOILET PAPER DISPENSERS (2 EACH)
- ADD ADA VERTICAL GRAB BARS ON SIDE WALLS (2 EACH)
- ADD "NO TRASH SIGN" INSIDE THE RIGHT RESTROOM (1 EACH)
- ADD MALE/FEMALE BRAILLE ADA-COMPLIANT SIGN, 2 EACH (SEE SIGN SUMMARY SIGN S26 PLAN SHEET 13 SUMMARY)



BACKSIDE VIEW OF BUILDING AS OF NOVEMBER 2021

NO.	DATE	REVISION



STATE OF ALASKA
Department of Transportation and Public Facilities
Maintenance & Operations
Northern Region

SHEET: 1 of 1
DATE: JAN 2022

COPPER RIVER BOAT
LAUNCH FACILITIES
IMPROVEMENTS (FLAP)
EXISTING RESTROOM REPAIR
SUPPLEMENTAL INFO

0851072/NFHWY00539