DESIGNED BY	CLB
CHECKED BY	
DRAFTED BY	MF

WKEFS
CENTRAL REGION TRAFFIC DETAIL
10/13/2016

SCALE

LAYOUT
H1

DATE TIME
6/21/2021 8:20 AM

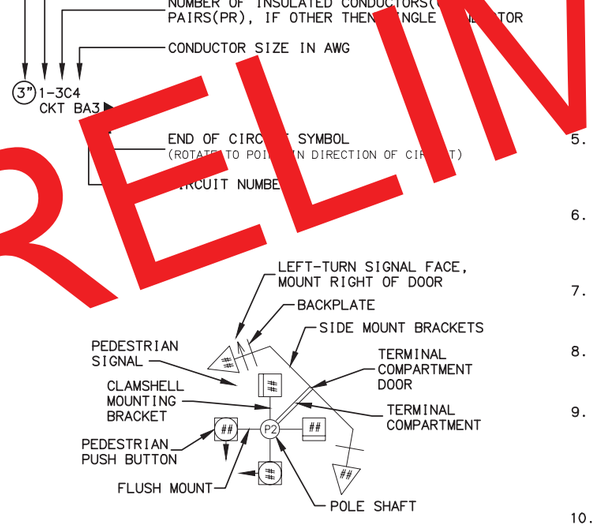
DRAWING LOCATION W:\PROJECTS\SEWARD HWY MP 17-22.5 REHABILITATION - 53610\CIV3D16\PLANSET
DRAWING LOCATION 53610_H01_TRAFFIC_DETAIL_01.DWG

SYMBOL LEGEND

EXISTING	PROPOSED	
		LOAD CENTER
STATE MOA	STATE MOA	TRAFFIC CONTROLLER ARROW INDICATES DOOR OPENING
		BEACON CONTROLLER
##	##	TYPE 1A JUNCTION BOX
##	##	TYPE II JUNCTION BOX
##	##	TYPE III JUNCTION BOX
##	##	TYPE IV JUNCTION BOX
		ELECTROLIER
HT#	HT#	HIGHTOWER
##	##	SIGNAL POLE WITH MASTARM
		PEDESTRIAN PUSH BUTTON
##	##	PEDESTRIAN SIGNAL
		VEHICULAR SIGNAL
		VEHICULAR SIGNAL LEFT
		VEHICULAR SIGNAL RIGHT
A	A	OPTICAL DETECTOR
GPS	GPS	GPS DETECTOR
CAM	CAM	CAMARA DETECTOR
RAD	RAD	RADAR DETECTOR
###	###	LOOP DETECTOR
		ANTENNA, YAGI OR OMNI
		MA[illegible]ON
		[illegible]RAL BE[illegible]
		SC[illegible]L ZONE BEACON
		LOOP DETECTOR CONDUIT
		SIGNAL CONDUIT
		LIGHTING CONDUIT
		SIGNAL & LIGHTING CONDUIT
		CONDUIT BORING
(2")	(2")	CONDUIT SIZE IN INCHES
F/O #	F/O #	FIBER OPTIC VAULT
I/C	I/C	INTERCONNECT
	1	SIGN POST & NUMBER
		PRIVATE SIGN

PAVEMENT MARKING LEGEND

PROPOSED	
	PROJECT CENTERLINE
8"W	8" WHITE SOLID STRIPE
4"W	4" WHITE SOLID STRIPE
4"W SKIP	4" WHITE SKIP STRIPE 10' STRIPES AND 30' SPACES
8"W GUIDE SKIP	8" WHITE LANE GUIDE SKIP LANE CONTINUATION OR TURN SKIP 1' STRIPES AND 3' SPACES
4"W GUIDE SKIP	4" WHITE BIKE LANE GUIDE SKIP LANE CONTINUATION OR TURN SKIP 2' STRIPES AND 6' SPACES
8"Y	8" YELLOW SOLID STRIPE
4"Y	4" YELLOW SOLID STRIPE
4"Y SKIP	4" YELLOW SKIP STRIPE 10' STRIPES AND 30' SPACES
+20	STRIPING CHANGE STATION INTERVAL
24"W (TYP)	2' CROSSWALK OR STOPBAR
10'	LADDER CROSSWALK LAYOUT 2' WIDE RUNGS WITH 2' SPACES ALIGNED TO AVOID TIRE PATHS
12' (2)-4"Y 3" APART; VARIES; 18"Y @ 45°	TYPICAL PAINTED MEDIAN



POLE SHAFT LEGEND

CALL BEFORE YOU DIG!

CONTRACTOR SHALL CALL A MINIMUM OF 3 DAYS IN ADVANCE OF CONSTRUCTION

ALASKA DIGLINE....907-278-3121 OR 800-478-3121

CALL OR GO TO WWW.AKONECALL.COM/STATEWIDE.HTM FOR MEMBER LIST OF WHO WILL BE NOTIFIED

ABBREVIATIONS

℄ - CENTERLINE
SIG - SERVICE TO CONTROLLER
INTX - INTERSECTION
INTX L - INTERSECTION LIGHTING
LTG - LIGHTING
PRE 2 - PREEMPTION #
PRE CON 2 - PREEMPTION CONTROLLER #
LC - LOAD CENTER
TC - TRAFFIC CONTROLLER
P1 - TRAFFIC SIGNAL POLE #
PEC - PHOTOELECTRIC CELL
YAGI - DIRECTIONAL ANTENNA
OMNI - OMNI DIRECTIONAL ANTENNA
HEAD - VEHICULAR SIGNAL HEAD
PED B 28 - PEDESTRIAN PUSH BUTTON #
PEDI - PEDESTRIAN SIGNAL HEAD
RMC - RIGID METAL CONDUIT
PE - POLYETHYLENE CONDUIT
LFNC - LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT
AWG - AMERICAN WIRE GAUGE
NB - NORTH BOUND
EB - EAST BOUND
SB - SOUTH BOUND
WB - WEST BOUND

SIGNING & STRIPING NOTES

1. ALL STATION LOCATIONS FOR SIGN INSTALLATIONS ARE APPROXIMATE. INSTALL SIGNS AT LOCATIONS AS DIRECTED BY THE ENGINEER.
2. USE THE FOLLOWING DEFINITIONS TO DESCRIBE THE ABBREVIATED SIGN POST TYPES IN THE SIGN SUMMARY SHEETS:
   A. P MEANS PERFORATED STEEL TUBE.
   B. T MEANS A SQUARE STEEL TUBE.
   C. P MEANS A ROUND STEEL PIPE.
   D. W MEANS A WIDE FLANGE.
   E. POR MEANS POLE PLATE INSTALLED PER ITS STANDARD DRAWING S-23.

   FABRICATE ALL SIGNS FROM 0.125" THICK ALUMINUM SHEETING, UNLESS STATED ELSEWHERE.

   FOR SIGNS SUPPORTED BY MULTIPLE POSTS, FABRICATE THE POSTS WITH THEIR TOPS LEVEL WITH ONE ANOTHER.
5. FOR PERFORATED STEEL TUBE SIGNPOSTS, INSTALL THE CONCRETE FOUNDATION OPTION SHOWN ON STANDARD DRAWING S-30. TRIM EACH PT POST TO LIMIT THE LENGTH INSERTED INTO THE FOUNDATION TO 12 INCHES.
6. FABRICATE GUIDE SIGNS ACCORDING TO THE SHOP DRAWINGS INCLUDED IN THE APPENDICES OF PART 4, CONTRACT PROVISIONS AND SPECIAL PROVISIONS. TRIM THE CORNERS OF ALL SIGNS TO THE RADIUS SHOWN ON EACH SHOP DRAWING.
7. ERECT NEW SIGNS BEFORE REMOVAL OF EXISTING SIGNS WITH SIMILAR MESSAGE. NOTIFY THE ENGINEER A MINIMUM OF 14 DAYS PRIOR TO BEGINNING SIGN REMOVAL AND SALVAGE OR DISPOSAL ACTIVITIES.
8. FOR SIGNS SUPPORTED BY MULTIPLE TUBES OR PIPES, LOCATE THE OUTER POSTS ON MAXIMUM SIX FEET CENTERS. INSTALL ADJACENT WIDE FLANGE POSTS ON MINIMUM EIGHT FEET CENTERS.
9. SELECTIVE AND HAND CLEARING SHALL BE PERFORMED AT THE DISCRETION OF THE ENGINEER, IN ACCORDANCE WITH SECTION 201, UPSTREAM OF ALL SIGN INSTALLATION LOCATIONS TO ACHIEVE MINIMUM SIGN VISIBILITY REQUIREMENTS. IF NOT INCLUDED AS A SEPARATE ITEM, THIS WORK SHALL BE SUBSIDIARY TO THE SIGN INSTALLATION ITEMS AND WORK.
10. FOR ALL FINAL PAVEMENT MARKINGS USE METHYLMETHACRYLATE MATERIALS. LONGITUDINAL MARKINGS SHALL BE INLAID AT 125 MILS, TRANSVERSE AND SYMBOL MARKINGS TO BE INLAID AT 125 MILS, GORE STRIPES SHALL BE SURFACE APPLIED AT 60 MILS.
11. DIMENSIONS REFER TO THE CENTER OF STRIPE AND THE EDGE OF PAVEMENT OR FACE OF CURB WHEN PRESENT.
12. IF THE NEW AND EXISTING PAVEMENT MARKINGS ARE NOT ALIGNED AT MATCH LINE, TRANSITION BETWEEN THE TWO USING A 100:1 TAPER ON THE NEW PAVEMENT.
13. WHERE NEW STRIPING IS TO EXTEND BEYOND PAVING LIMITS, REMOVE EXISTING STRIPING IN ACCORDANCE WITH SUBSECTION 670-3.04 TO THE EXTENT OF STRIPING LIMITS.

REVISIONS		
NO.	DATE	DESCRIPTION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	H1	H38

NOTES:

FOUNDATIONS NOTES:

1. STATION & C.L. REFERENCE ARE TO THE CENTER OF THE STRUCTURE, EXCEPT ON LOOPS WHICH ARE TO THE CENTER OF THE TRAILING EDGE OF THE LOOP (EDGE NEAREST INTERSECTION).
2. JUNCTION BOX LOCATIONS APPROXIMATE. LOCATE J-BOXES SO THAT THEY ARE LOCATED OUT OF THE PATHWAY, SIDEWALK, CURB RAMPS, AND DRAINAGE COLLECTION AREAS.
3. INSTALL LOAD CENTER AND TRAFFIC CONTROLLER FOUNDATIONS WITHIN 1-DEGREE OF PLUMB.
4. INSTALL ANCHOR BOLTS IN CAST FOUNDATIONS TO BE WITHIN 1:40 OF PLUMB.
5. TOPSOIL AND SEED ANY DISTURBED AREAS.

SIGNAL SYSTEM NOTES:

1. FURNISH THE SIGNAL AND LUMINAIRE MASTARM LENGTHS AND DIMENSIONS SPECIFIED ON THE POLE ELEVATIONS.
2. INSTALL DEVICES SUCH THAT THE DIMENSIONS SHOWN TO THE BOTTOM OF THE DEVICES ON THE POLE ELEVATIONS ARE MINIMUMS. VERTICAL DIMENSIONS TO SIGNAL HEADS ARE TO BOTTOM OF THE BACK PLATE.
3. INSTALL MASTARMS PERPENDICULAR TO THE ROADWAY CENTERLINE. ACCEPTABLE VARIANCE IS +/- 1-DEGREE.
4. SALVAGE SIGNAL POLE ASSEMBLIES, SIGNS, SIGNAL FACES, AND LUMINARIES AND DELIVER TO MAINTENANCE AND OPERATIONS WITHIN 48-HOURS OF DECOMMISSIONING. COMPONENTS DAMAGED WHILE IN THE CONTRACTORS CUSTODY MUST BE REPLACED AT THE CONTRACTORS EXPENSE. REMOVE AND DISPOSE OF FOUNDATIONS.
5. SALVAGE EXISTING CONTROLLER CABINET AFTER NEW CONTROLLER CABINET IS IN SERVICE AND DELIVER TO MAINTENANCE AND OPERATIONS WITHIN 48-HOURS OF DECOMMISSIONING.
6. VEHICLE SIGNALS AND PEDESTRIAN SIGNALS SHALL BE LED MODULES.
7. REMOVE ABANDONED OR UNUSED TRAFFIC JUNCTION BOXES UNLESS OTHERWISE NOTED.
8. NEW SIGNAL HEADS THAT ARE MOUNTED BUT NOT IN OPERATION SHALL BE COVERED WITH A COMMERCIALLY AVAILABLE SIGNAL-SHIRT. EACH SIGNAL SHIRT SHALL FEATURE ELASTICIZED OPENINGS THAT FIT OVER THE VISORS AND AT LEAST TWO STRAPS TO SECURE IT TO THE SIGNAL. PROVIDE SHIRTS WITH A LEGEND THAT READS "OUT OF SERVICE" AND A CENTER SECTION THAT ALLOWS AN OPERATOR TO SEE THE INDICATIONS DURING SYSTEM TESTS.
9. SIGNAL HEADS ARE TO BE LOCATED PER FIGURE 4D-100, TYPICAL SIGNAL HEAD LOCATIONS, PER THE ALASKA TRAFFIC MANUAL. ACCEPTABLE VARIANCE IS +/- 1-FOOT.
10. AIM SIGNALS PER TABLE 660-2, THROUGH-SIGNAL AIMING POINT, OF THE SPECIAL PROVISIONS. SIGNALS SHALL ALSO BE AIMED SO AS NOT TO BE VISIBLE FROM SIDE STREET TRAFFIC. ACCEPTABLE VARIANCE IS +/- 5 DEGREES.
11. EXISTING CIRCUITS LISTED ON THE LOAD CENTER SUMMARY AND PLAN SHEETS WERE OBTAINED FROM AS-BUILT INFORMATION AND MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO WORK INVOLVING THOSE CIRCUITS.

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STATE OF ALASKA 49TH
LEISHA A. SWEENEY
CE 121351
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP17-22.5 REHABILITATION

TRAFFIC LEGEND AND NOTES

REVISIONS		
NO.	DATE	DESCRIPTION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z5361100000	2021	H2	H38

DESIGNED BY: OSB
CHECKED BY: CLB
DRAFTED BY: MF

XREFS: CENTRAL REGION TRAFFIC DETAIL 10/31/2017

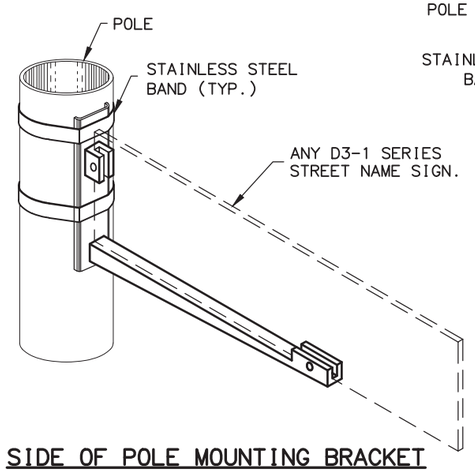
SCALE: -----

LAYOUT: SGN ATT

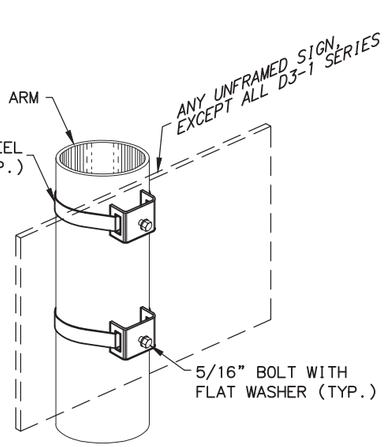
DATE TIME: 6/21/2021 8:20 AM

DRAWING LOCATION: W:\PROJECTS\SEWARD HWY MP 17-22.5 REHABILITATION - 53610\C1V3D16\PLANSET

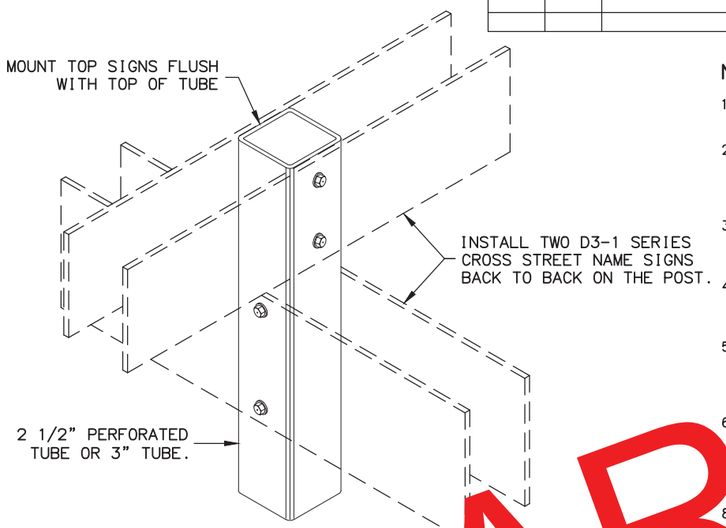
DRAWING LOCATION: 53610_H02_TRAFFIC DETAIL_33.DWG



SIDE OF POLE MOUNTING BRACKET



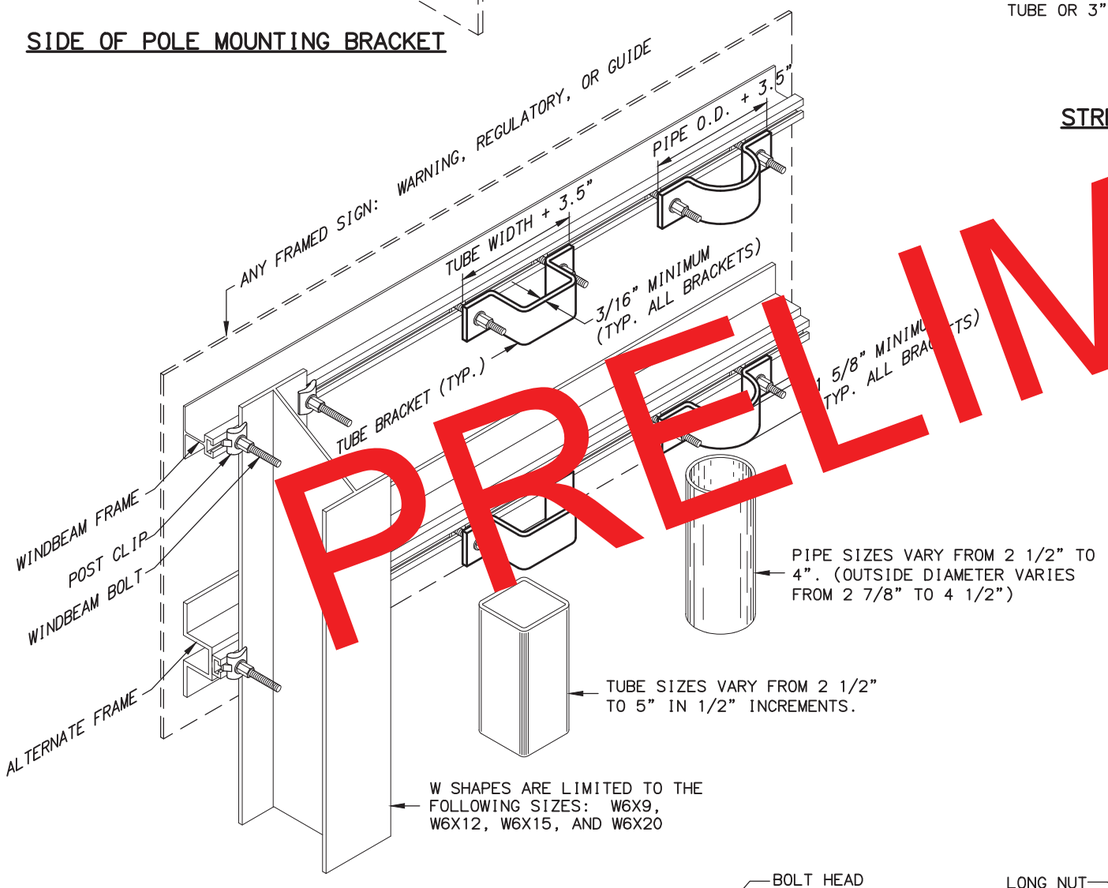
SADDLE BRACKETS



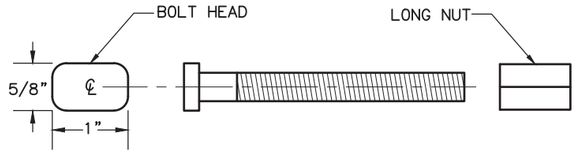
STREET NAME SIGN INSTALLATION

NOTES:

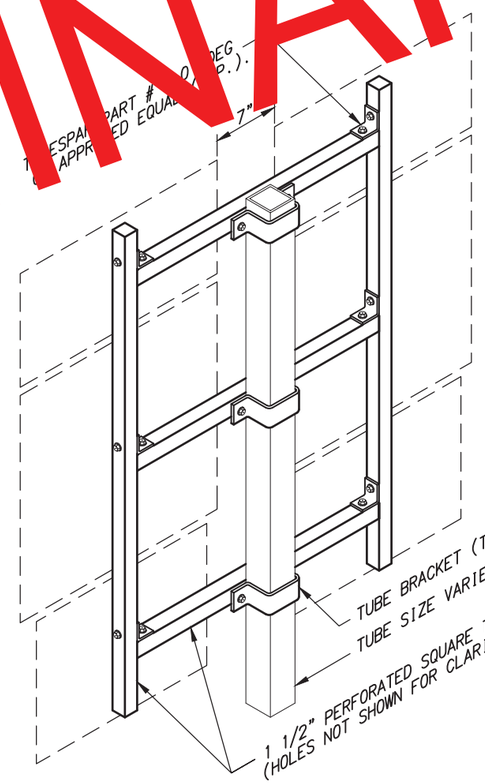
1. EXCEPT FOR POLES AND MAST ARMS, ONLY USE TUBES TO SUPPORT SIGNS MOUNTED ON ONE POST.
2. ATTACH SIGNS, FRAMED AND UNFRAMED TO THEIR SUPPORTS WITH ZINC PLATED 3/8" BOLTS, EXCEPT ATTACH UNFRAMED SIGNS TO PERFORATED TUBES WITH ACCESSORY DRIVE RIVETS AND TO SADDLES WITH 5/16" BOLTS.
3. BOLT UNFRAMED SIGNS DIRECTLY TO TUBES IN TWO LOCATIONS, NEAR TOP AND NEAR BOTTOM OF MATING SURFACE. ATTACH THEM TO POLES AND MAST ARMS WITH TWO SADDLES.
4. ATTACH BRACKETS TO POLES AND MAST ARMS WITH DOUBLE WRAPS OF 3/4" WIDE BY 0.020" THICK STAINLESS STEEL BANDING MATERIAL. TIGHTEN EACH BAND UNTIL IT STOPS MOVING THROUGH THE BUCKLE.
5. 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, AND A BRACKET WITH SQUARE CORNERS ON TUBES.
6. TUBE BRACKETS USED ON EVEN INCH SIZE TUBES MAY ALSO BE USED ON TUBES 1/2" SMALLER IN SIZE.
7. ONLY USE THE SPECIAL WINDBEAM BOLTS TO ATTACH SIGNS FRAMED WITH THE WINDBEAM FRAMING MATERIAL.
8. ATTACH FRAMED SIGNS TO POLES AND MAST ARMS USING POLE PLATES INSTALLED ACCORDING TO STANDARD DRAWING S-23.
9. FOR ROUTE MARKER TREES, CUT PERFORATED TUBES TO ENSURE TIGHT FITTING JOINTS. ASSEMBLE THE PIECES WITH ACCESSORY ELL-SHAPED ANGLE BRACKETS.
10. INSTALL THE TOP EDGE OF SIGNS 1" ABOVE THE TOPS OF POSTS, EXCEPT FOR THE D3-1 STREET NAME SIGNS.
11. INSTALL THE TOP EDGE OF SIGNS 3" BELOW THE TOP OF POST, WHENEVER THEY ARE MOUNTED BELOW SIGNS SECURED BY POST TOP MOUNTING BRACKETS.
12. THE BRACKET DETAILS SHOWN INDICATE GENERAL DESIGNS ONLY. DESIGNS MAY VARY BY MANUFACTURER.
13. INSTALL WEATHER TIGHT CAPS ON ALL PIPE AND TUBE POSTS, EXCEPT PERFORATED TUBING.



FRAMED SIGN ATTACHMENT BRACKETS



3/8" WINDBEAM BOLT AND LONG NUT



ROUTE MARKER TREE

FASTENER SPECIFICATION TABLE			
FASTENERS		STEEL	STAINLESS STEEL
BOLTS		ASTM A 307	ASTM F 593
NUTS	REGULAR	ASTM A 563	ASTM F 594
	LOCK		
WASHERS		ASTM A 36	ASTM A 480
POST CLIPS			

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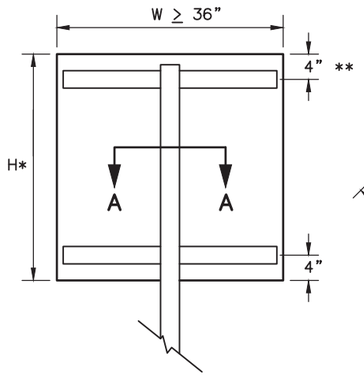
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SEWARD HWY: MP17-22.5 REHABILITATION

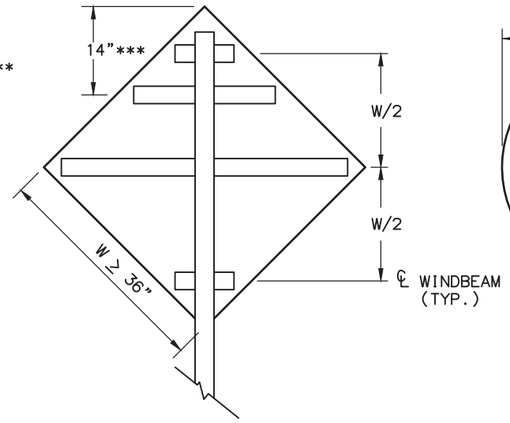
SIGN ATTACHMENT DETAIL

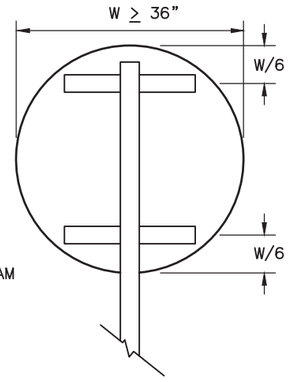
REVISIONS		
NO.	DATE	DESCRIPTION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	H3	H38

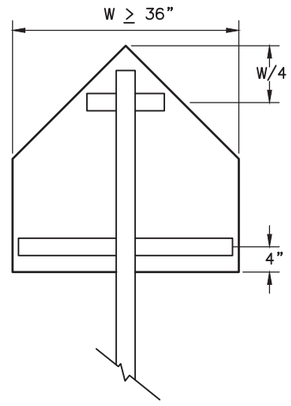


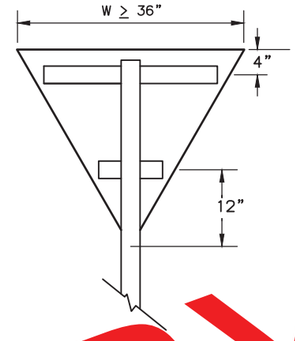
RECTANGLES AND TRAPEZOIDS





ROUNDS AND OCTAGONS





* WHEN H > 42 INCHES, INSTALL A 3RD WINDBEAM CENTERED ON THE SIGN.

** FOR S5-1 SIGNS MOUNTED ON FLASHING BEACON POSTS, USE A 10" OFFSET. OTHERWISE, USE 4".

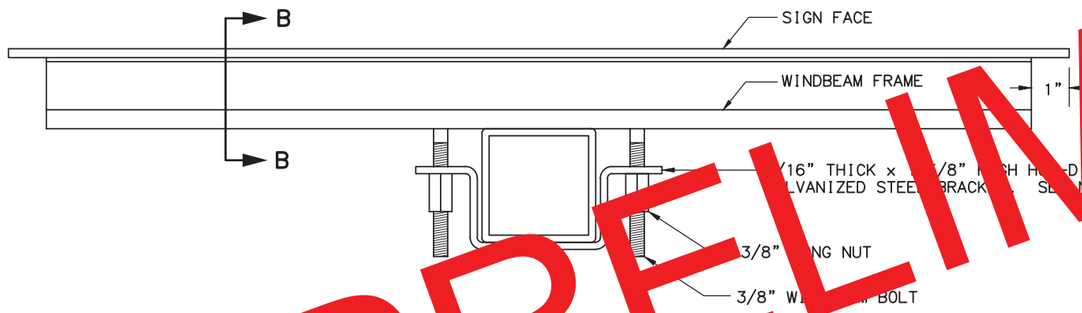
*** FOR WARNING SIGNS MOUNTED ON FLASHING BEACON POSTS, USE THE 14" OFFSET. OTHERWISE, USE W/2.

NOTES:

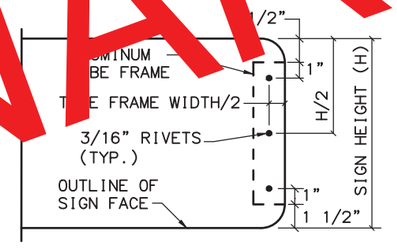
1. EXCEPT FOR POLES AND MAST ARMS, ONLY USE SQUARE STEEL TUBES TO SUPPORT SIGNS MOUNTED ON SINGLE POSTS.
2. INSTALL WINDBEAM OR ZEE SHAPED FRAMING MEMBERS ON DIAMOND SHAPED SIGNS 36 INCHES AND LONGER ON A SIDE AND ON OTHER SIGNS 36 INCHES WIDE AND WIDER.
3. IN HIGH WIND AREAS, THE PLANS MAY REQUIRE SIGNS SMALLER THAN THOSE LISTED IN NOTE 2 BE FRAMED AS SHOWN HERE IN.
4. THIS DRAWING DEPICTS THE WINDBEAM FRAMING AND ATTACHMENT SYSTEM. ATTACH SIGNS FRAMED WITH ZEE SHAPED FRAMING ACCORDING TO REGIONAL DRAWING "SIGN ATTACHMENT DETAILS", USING "U" SHAPED BRACKETS AND TWO BOLTS WITH NUTS.
5. THE ENGINEER MAY APPROVE OTHER FRAMING MEMBERS. SUBMIT DOCUMENTS THAT DETAIL THE FRAME'S CROSS SECTION AND STRENGTH, AND METHOD OF ATTACHING THE FRAME TO A POST.
6. USE FRAMING MEMBERS MADE FROM ALUMINUM ALLOY 6061-T6.
7. EACH FRAMING MEMBER SHALL BE ONE CONTINUOUS PIECE.
8. ATTACH FRAMING MEMBERS TO THE SIGN PANELS WITH RIVETS OR AN ENGINEER APPROVED, DOUBLE SIDED, HIGH STRENGTH, ADHESIVE TAPE.
9. WITH THE ADHESIVE TAPE, INSTALL TWO RIVETS IN BOTH ENDS OF EACH FRAMING MEMBER, AND ATTACH THE FRAMING MEMBERS TO THE SIGN PANELS ACCORDING TO THE TAPE MANUFACTURER'S WRITTEN INSTRUCTIONS, INCLUDING:
   A. THE CLEANING AND HANDLING OF THE SIGN PANELS AND FRAMING MEMBERS.
   B. THE APPLICATION OF THE ADHESIVE TAPE.
10. WHEN RIVETS ARE USED TO ATTACH FRAMING MEMBERS, INSTALL 2 RIVETS IN EACH END AND THE BALANCE ON 8" MAXIMUM CENTERS.
11. USE 3/16" DIAMETER RIVETS CONFORMING TO ALUMINUM ALLOY 6061-T6 FOR COLD DRIVEN RIVETS, OR ALUMINUM ALLOY 6061-T43 FOR HOT DRIVEN RIVETS.
12. THE BRACKETS USED ON EVEN INCH SIZE TUBES MAY ALSO BE USED ON TUBES 1/2" SMALLER IN SIZE.

WINDBEAM LOCATIONS FOR EACH SIGN SHAPE

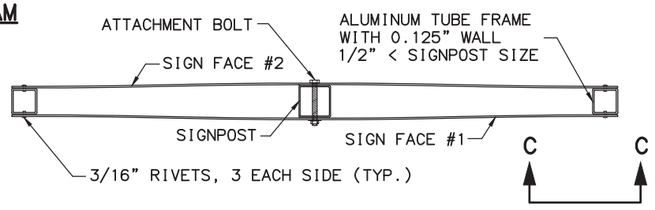
ELEVATION VIEW



SECTION A - A TYPICAL SIGN ATTACHMENT DETAILS AT EACH WINDBEAM

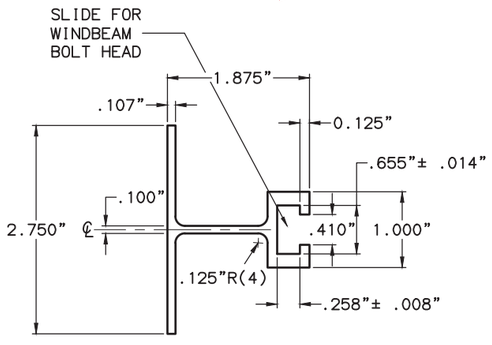


VIEW C - C

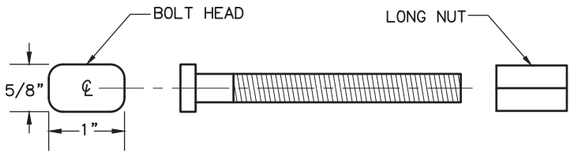


D3-1 STREET NAME SIGN FRAMING DETAIL

PLAN VIEW



SECTION B - B WINDBEAM CROSS SECTION



3/8" WINDBEAM BOLT AND LONG NUT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

LEISHA A. SWEENEY
CE 121351
REGISTERED PROFESSIONAL ENGINEER

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ANCHORAGE, AK 99502
(907) 269-0590

SEWARD HWY: MP17-22.5 REHABILITATION

LIGHT SIGN FRAMING AND ATTACHMENT DETAILS

DESIGNED BY: OSB
CHECKED BY: CLB
DRAFTED BY: MF

XREFS: CENTRAL REGION TRAFFIC DETAIL 10/13/2016

SCALE: ----

LAYOUT: LT SGN FRM

DATE TIME: 6/21/2021 8:20 AM

DRAWING LOCATION: W:\PROJECTS\SEWARD HWY MP 17-22.5 REHABILITATION - 53610\C1V3D16\PLANSET

DRAWING LOCATION: 53610_H03_TRAFFIC_DETAIL_34.DWG

DESIGNED BY: OSB
CHECKED BY: CLB
DRAFTED BY: MF

XREFS: ---

SCALE: 1" = 100'

LAYOUT: 99+40 TO 109+00

DATE TIME: 6/21/2021 8:22 AM

DRAWING LOCATION: W:\PROJECTS\SEWARD HWY MP 17-22.5 REHABILITATION - 53610\CIV3D16\PLANSET

DRAWING LOCATION: 53610_H_STRIPING PLAN SHEETS.DWG

ROW

STOP

PRIMROSE SPUR

BEGIN STRIPING
STA.99+40
MATCH EXISTING
STRIPING

SEWARD HIGHWAY

99+00 100+00 101+00 102+00 103+00 104

MATCH LINE STA. 104+00

+26 3" 12' 4" 4"W

(2)-4"Y 3" APART

4"W

Primrose Campground

LOCATED OFF SHEET
STA 94+40

1 2 3 4 5 6 7 8 9

PRELIMINARY

ROW

10 11 12

105+00 106+00 107+00 108+00 109

MATCH LINE STA. 104+00

MATCH LINE STA. 109+00

6.5' 12' 12' 6.5'

(2)-4"Y 3" APART

4"W

SEWARD HIGHWAY

Soldotna 75
Anchorage 110
Homer 151

ROW

SHEET NO.	TOTAL SHEETS
H4	H38
STATE	YEAR
ALASKA	2021

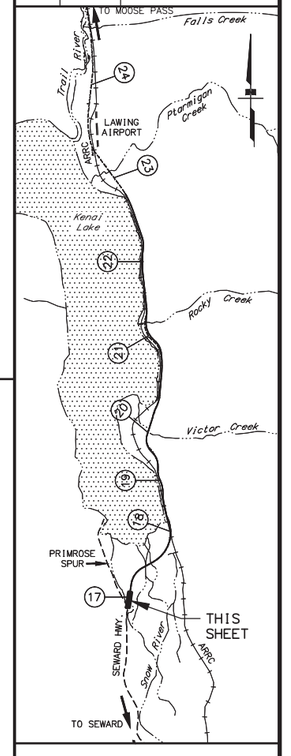
PROJECT DESIGNATION
0311032/Z536100000

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



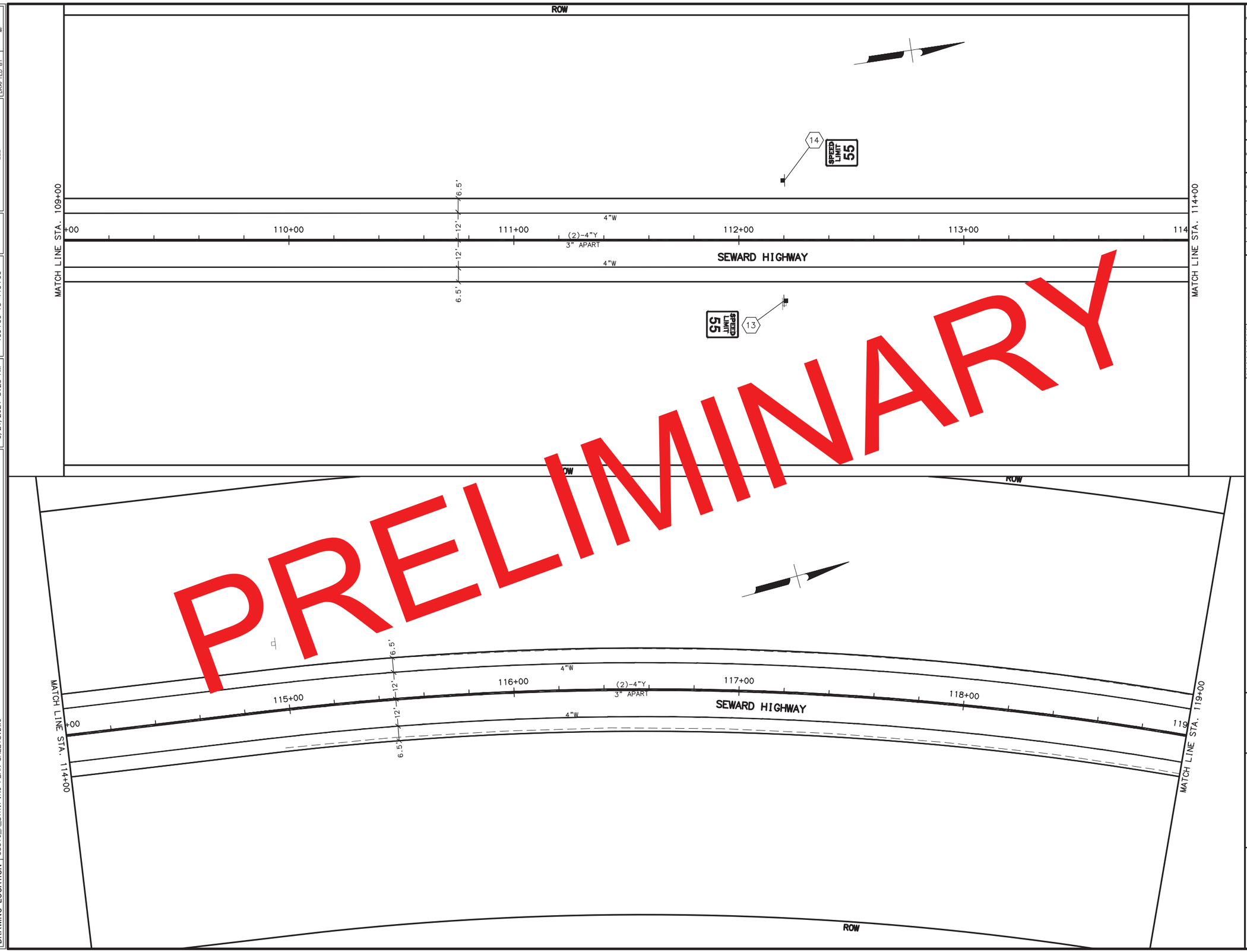
STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
49TH
LEISHA A. SWEENEY
CE 121351
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP17-22.5 REHABILITATION

SIGNING AND STRIPING: STA 99+40 TO STA 109+00



DESIGNED BY	QSB
CHECKED BY	CLB
DRAFTED BY	MF

XREFS

SCALE

LAYOUT
109+00 TO 119+00

DATE TIME
6/21/2021 8:23 AM

DRAWING LOCATION	W:\PROJECTS\SEWARD HWY MP 17-22.5 REHABILITATION - 53610\C1V3D16\PLANSET
DRAWING LOCATION	53610_H_STRIPING PLAN SHEETS.DWG

SHEET NO.	TOTAL SHEETS
H5	H38
STATE	YEAR
ALASKA	2021

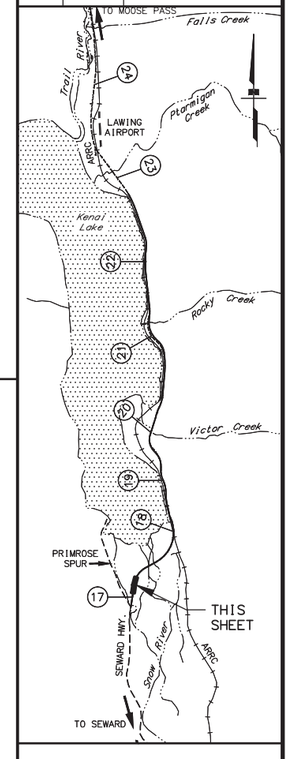
PROJECT DESIGNATION
0311032/Z536100000

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA DOT&PF
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STATE OF ALASKA
49TH
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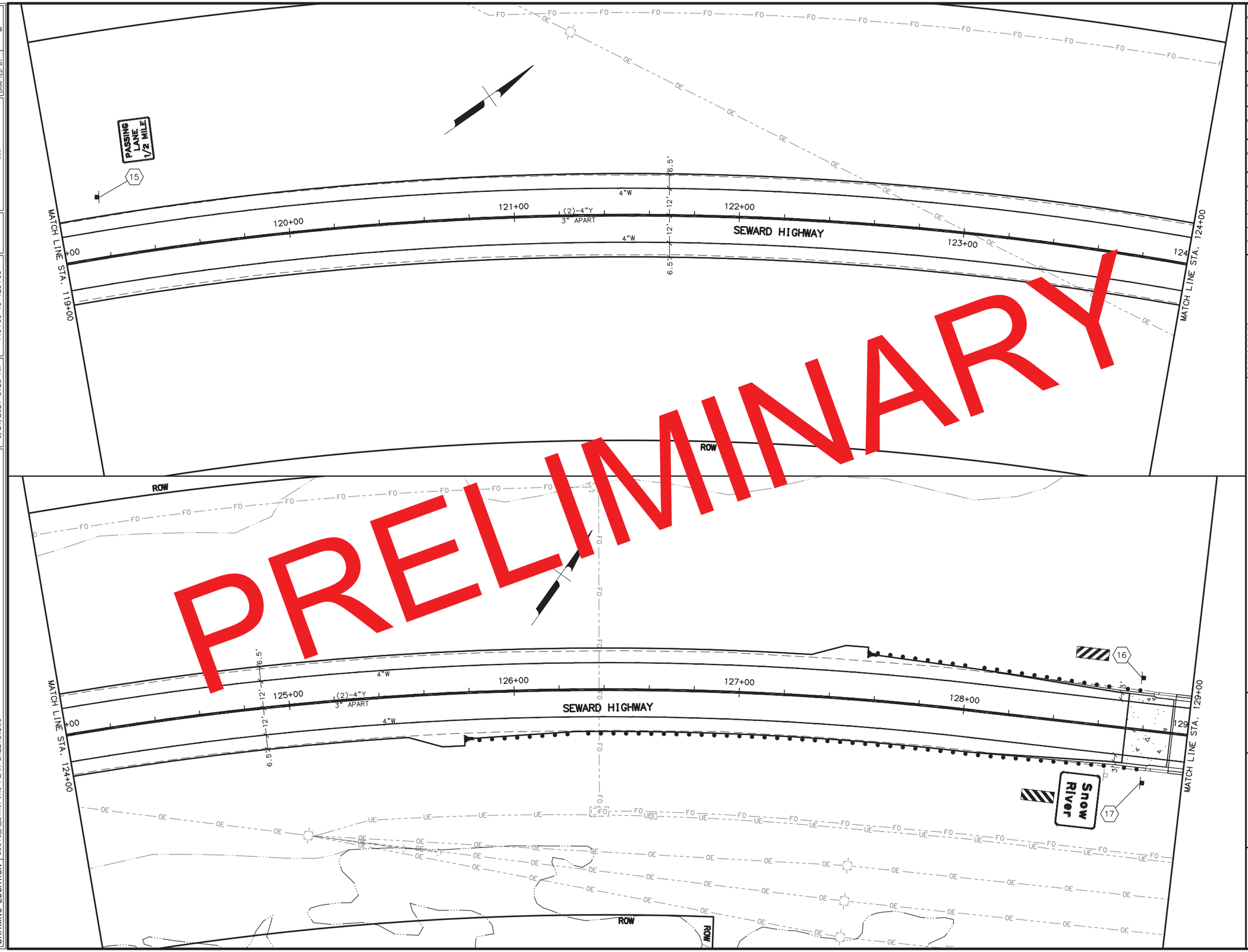
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP17-22.5 REHABILITATION

SIGNING AND STRIPING: STA 109+00 TO STA 119+00

DESIGNED BY	OSB
CHECKED BY	CLB
DRAFTED BY	MF
XREFS	---
SCALE	-----
LAYOUT	119+00 TO 129+00
DATE TIME	6/21/2021 8:23 AM
DRAWING LOCATION	W:\PROJECTS\SEWARD HWY MP 17-22.5 REHABILITATION - 53610\CIV3D16\PLANSET
DRAWING LOCATION	53610_H_STRIPING PLAN SHEETS.DWG



PRELIMINARY

SHEET NO.	TOTAL SHEETS
H6	H38
STATE	YEAR
ALASKA	2021

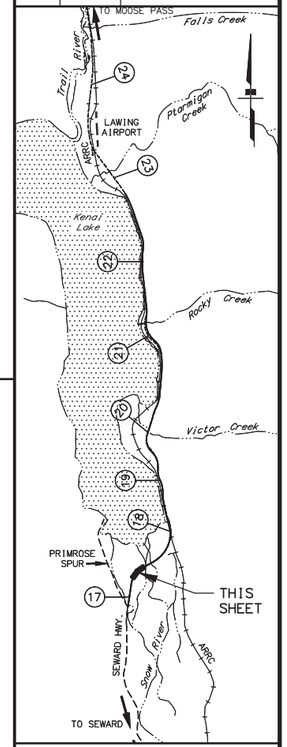
PROJECT DESIGNATION
0311032/Z536100000

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



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STATE OF ALASKA
49TH
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DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP17-22.5 REHABILITATION

SIGNING AND STRIPING: STA 119+00 TO STA129+00

DESIGNED BY: QSB
CHECKED BY: CLB
DRAFTED BY: MF

XREFS: ---

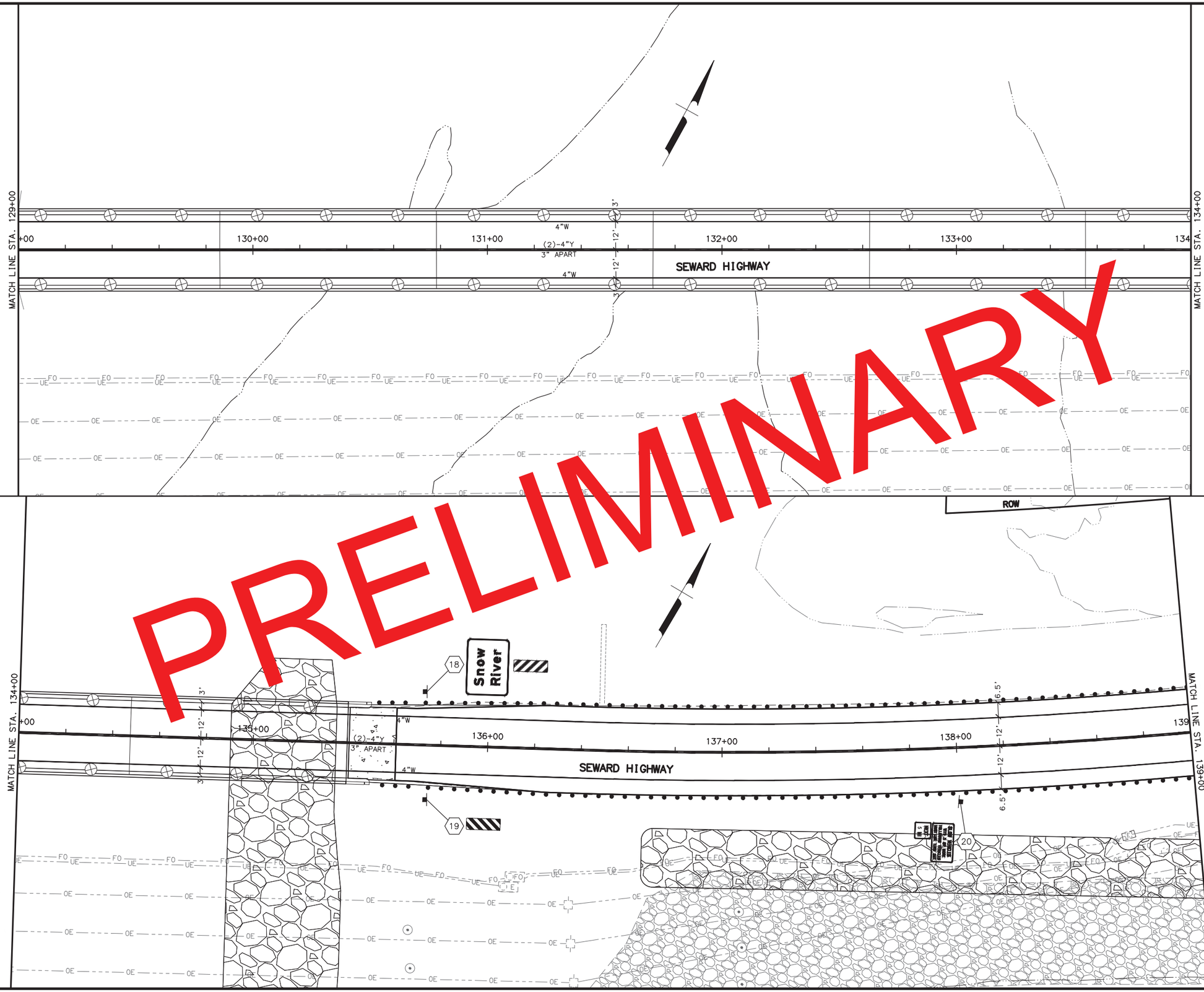
SCALE: 1"=50'

LAYOUT: 129+00 TO 139+00

DATE TIME: 6/21/2021 8:23 AM

DRAWING LOCATION: W:\PROJECTS\SEWARD HWY MP 17-22.5 REHABILITATION - 53610\CIV3D16\PLANSET

DRAWING LOCATION: 53610_H_STRIPING PLAN SHEETS.DWG



PRELIMINARY

SHEET NO.	TOTAL SHEETS
H7	H38
STATE	YEAR
ALASKA	2021

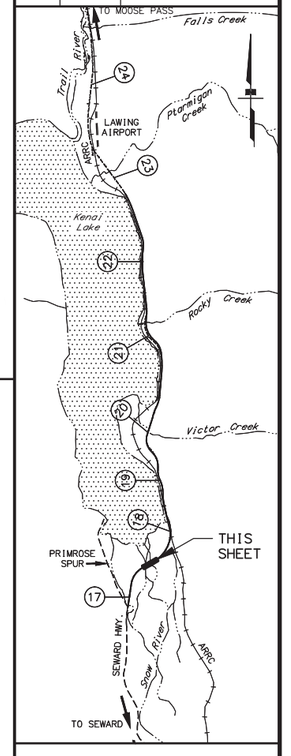
PROJECT DESIGNATION
0311032/Z536100000

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA DOT&PF
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STATE OF ALASKA
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LEISHA A. SWEENEY
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP17-22.5 REHABILITATION

SIGNING AND STRIPING: STA 129+00 TO STA 139+00

DESIGNED BY	QSB
CHECKED BY	CLB
DRAFTED BY	MF

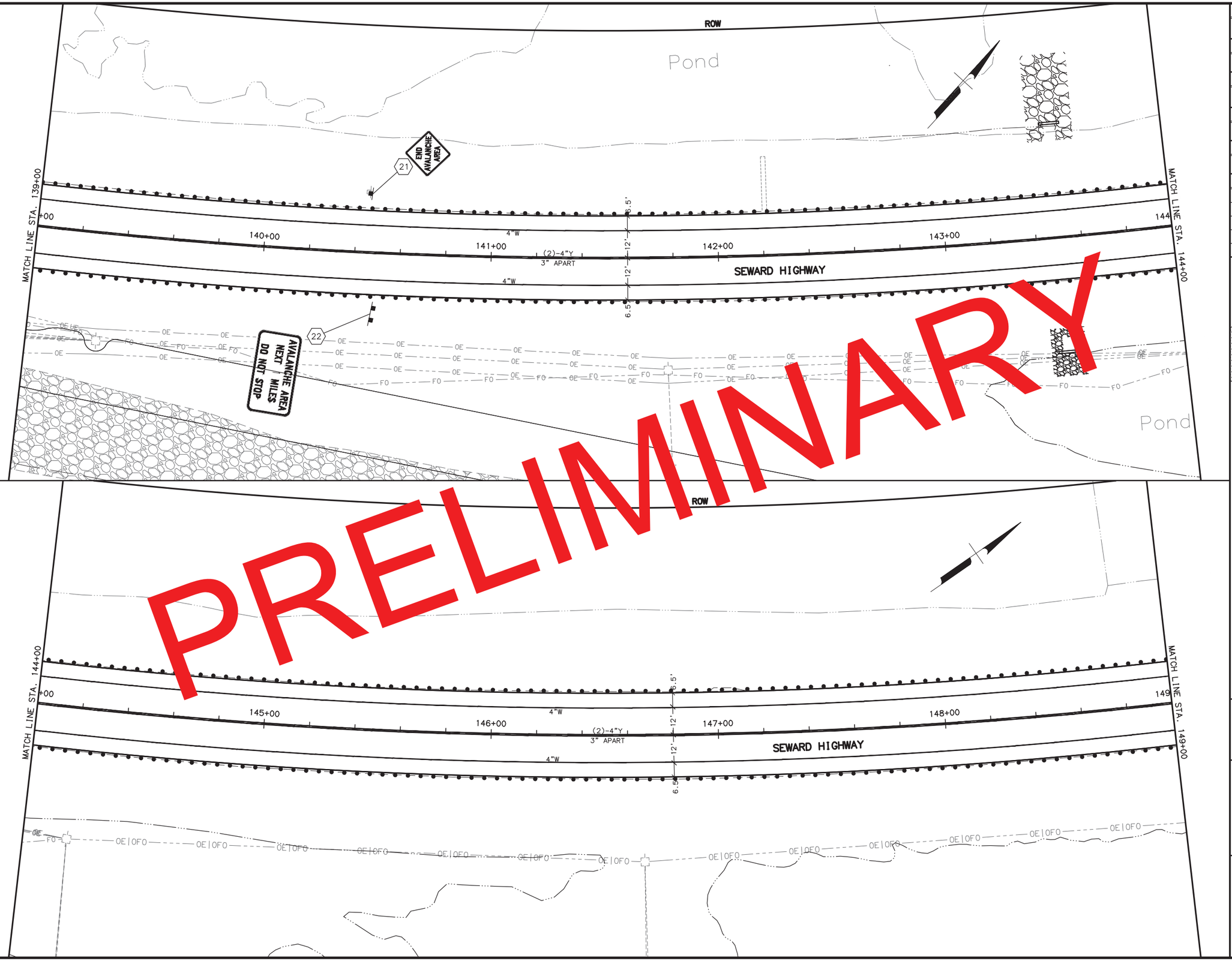
XREFS

SCALE

LAYOUT
139+00 TO 149+00

DATE	TIME
6/21/2021	8:24 AM

DRAWING LOCATION	W:\PROJECTS\SEWARD HWY MP 17-22.5 REHABILITATION - 53610\CIV3D16\PLANSET
DRAWING LOCATION	53610_H_STRIPING PLAN SHEETS.DWG

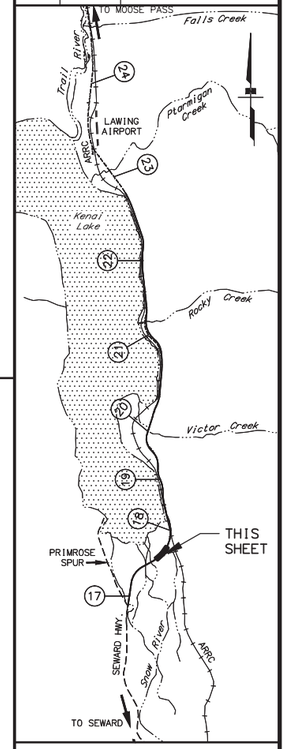


PRELIMINARY

SHEET NO.	TOTAL SHEETS
H8	H38
STATE	YEAR
ALASKA	2021
PROJECT DESIGNATION	
0311032/Z536100000	
ADDENDUM NO.	
ATTACHMENT NO.	

REVISIONS

NO.	DATE	DESCRIPTION



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STATE OF ALASKA
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DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP17-22.5 REHABILITATION

SIGNING AND STRIPING: STA 139+00 TO STA 149+00

DESIGNED BY	QSB
CHECKED BY	CLB
DRAFTED BY	MF

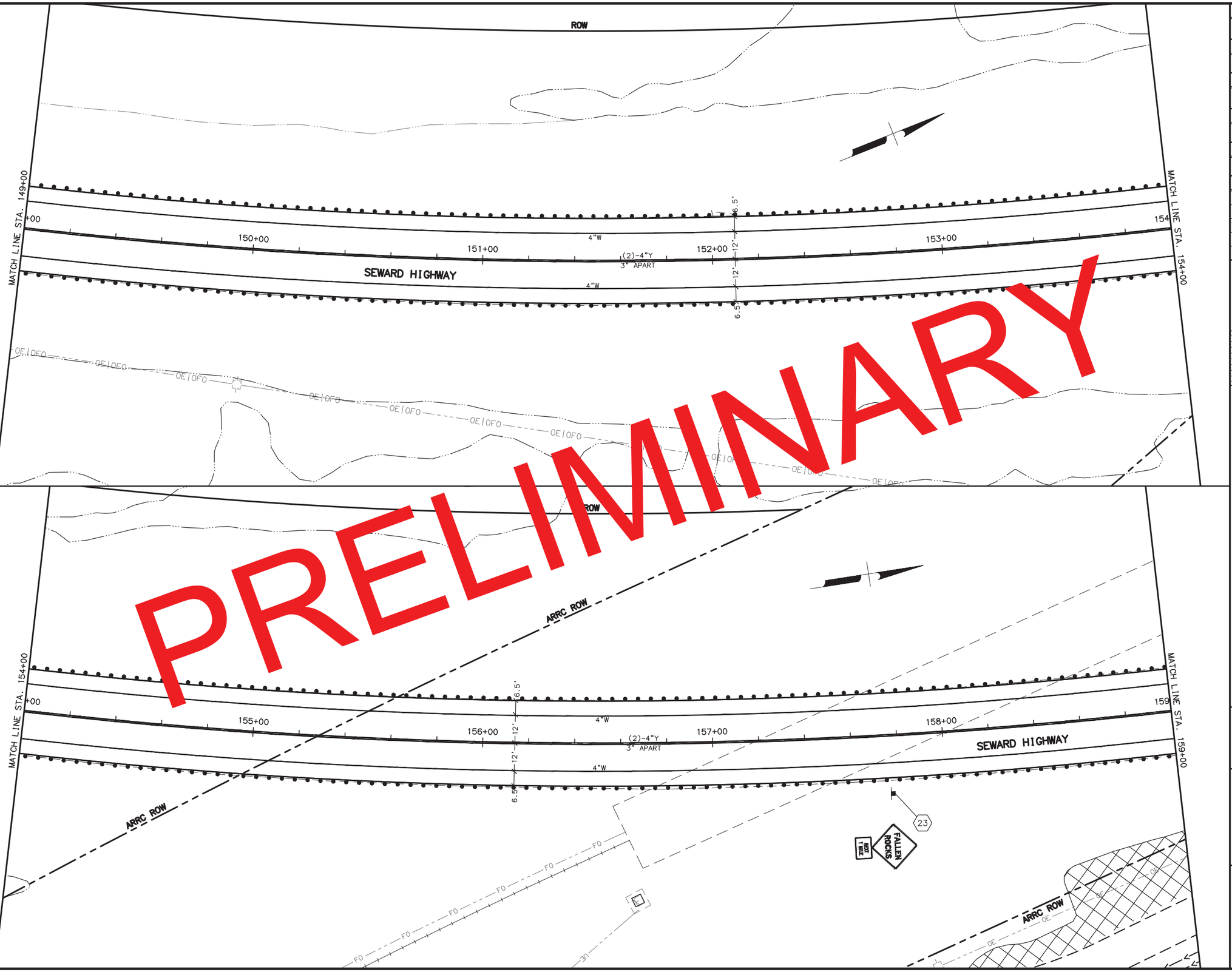
XREFS

SCALE

LAYOUT
149+00 TO 159+00

DATE TIME
6/21/2021 8:24 AM

DRAWING LOCATION | W:\PROJECTS\SEWARD HWY MP 17-22.5 REHABILITATION - 53610\CIV3D16\PLANSET
DRAWING LOCATION | 53610_H_STRIPING PLAN SHEETS.DWG



SHEET NO.	TOTAL SHEETS
H9	H38
STATE	YEAR
ALASKA	2021

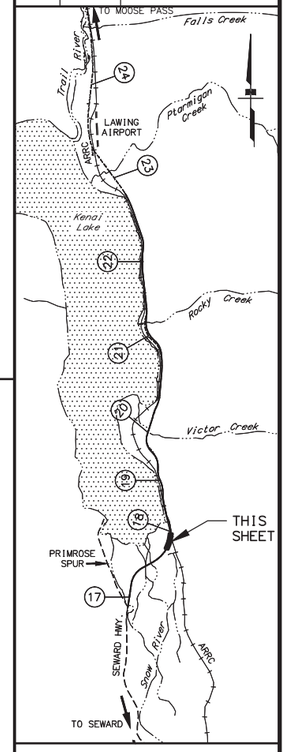
PROJECT DESIGNATION
0311032/Z536100000

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA DOT&PF
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STATE OF ALASKA
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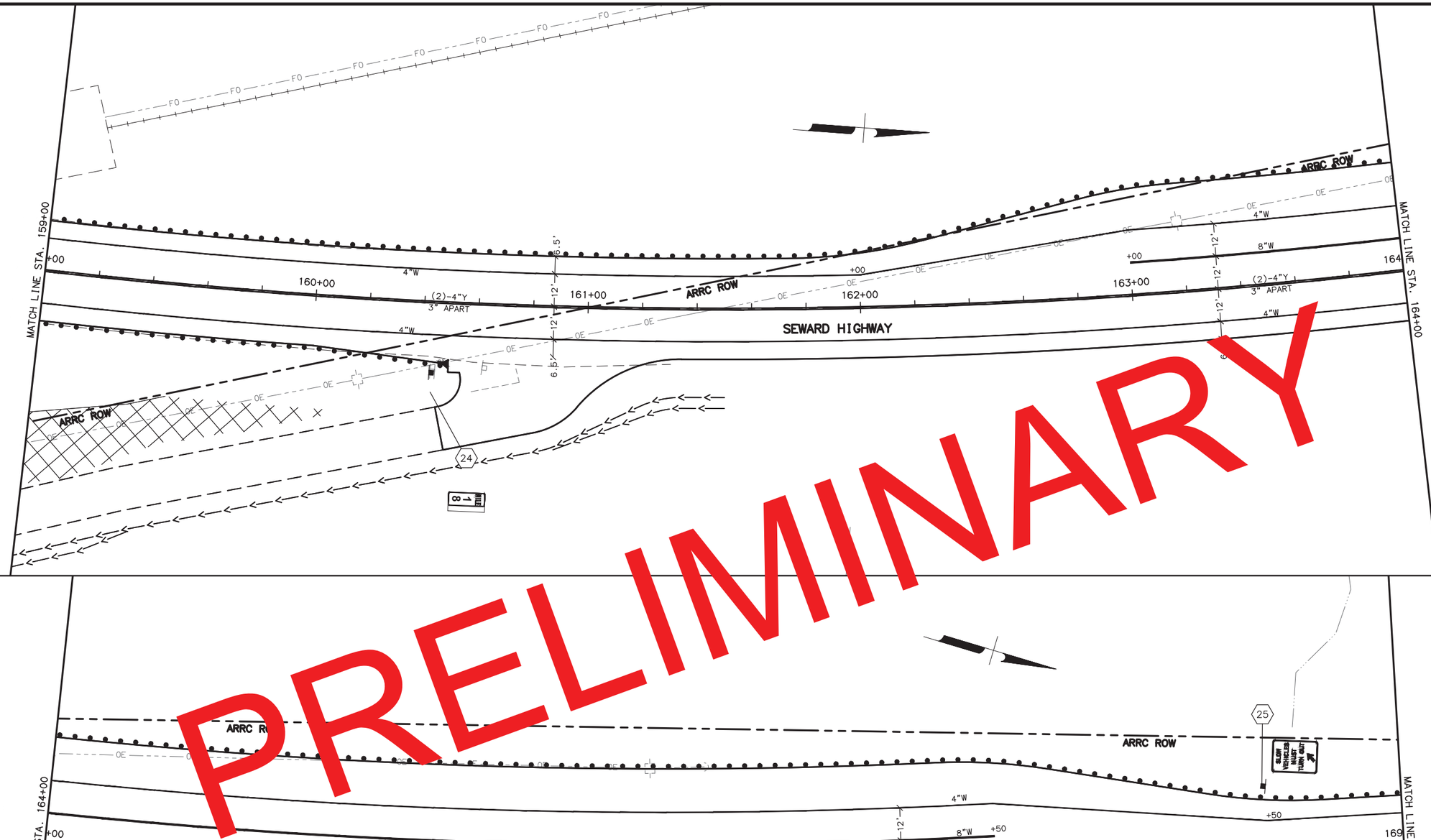
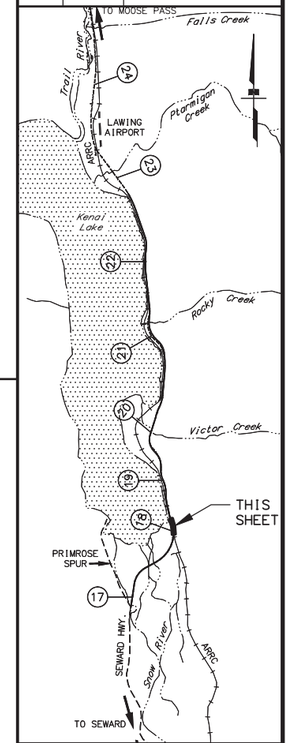
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP17-22.5
REHABILITATION

SIGNING AND STRIPING:
STA 149+00 TO STA 159+00



PRELIMINARY



DESIGNED BY	CSB
CHECKED BY	CLB
DRAFTED BY	MF

XREFS: ---

SCALE: 1"=50'

LAYOUT: 159+00 TO 169+00

DATE TIME: 6/21/2021 8:24 AM

DRAWING LOCATION: W:\PROJECTS\SEWARD HWY MP 17-22.5 REHABILITATION - 53610\C1V3D16\PLANSET

DRAWING LOCATION: 53610_H_STRIPING PLAN SHEETS.DWG

SHEET NO.	TOTAL SHEETS
H10	H38
STATE	YEAR
ALASKA	2021

PROJECT DESIGNATION: 0311032/Z536100000

ADDENDUM NO.:

ATTACHMENT NO.:

REVISIONS

NO.	DATE	DESCRIPTION

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
49TH
LEISHA A. SWEENEY
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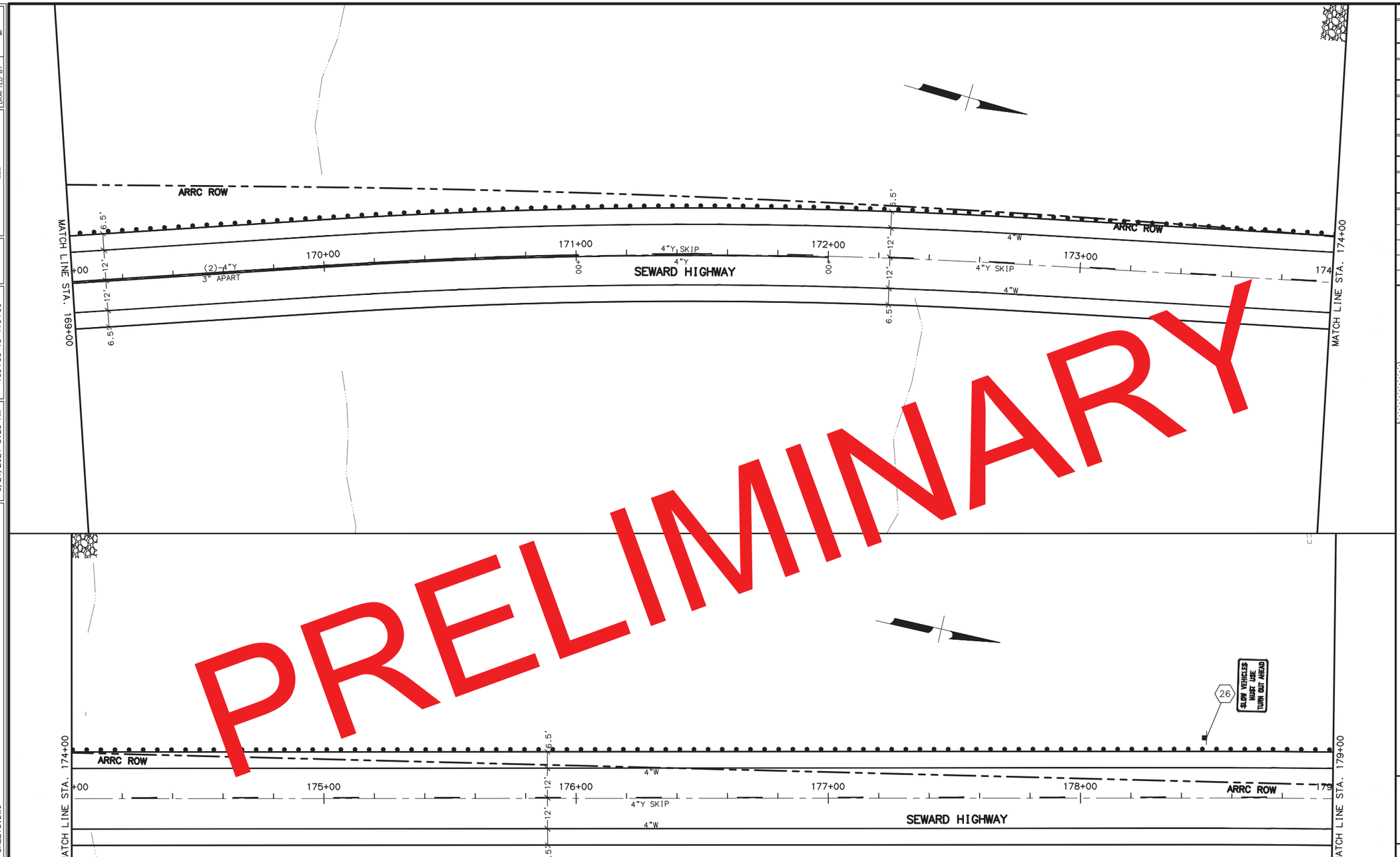
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP17-22.5 REHABILITATION

SIGNING AND STRIPING: STA 159+00 TO STA 169+00



PRELIMINARY

SHEET NO.	TOTAL SHEETS
H11	H38
STATE	YEAR
ALASKA	2021

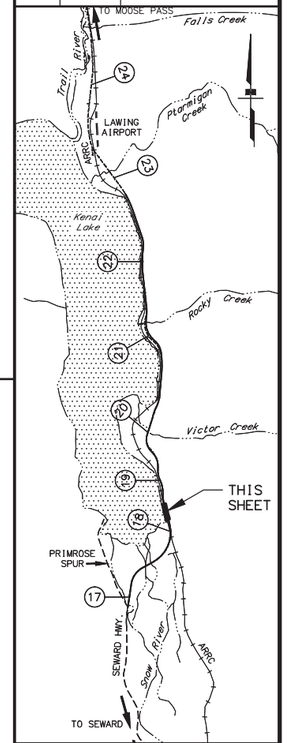
PROJECT DESIGNATION
0311032/Z536100000

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
49TH
LEISHA A. SWEENEY
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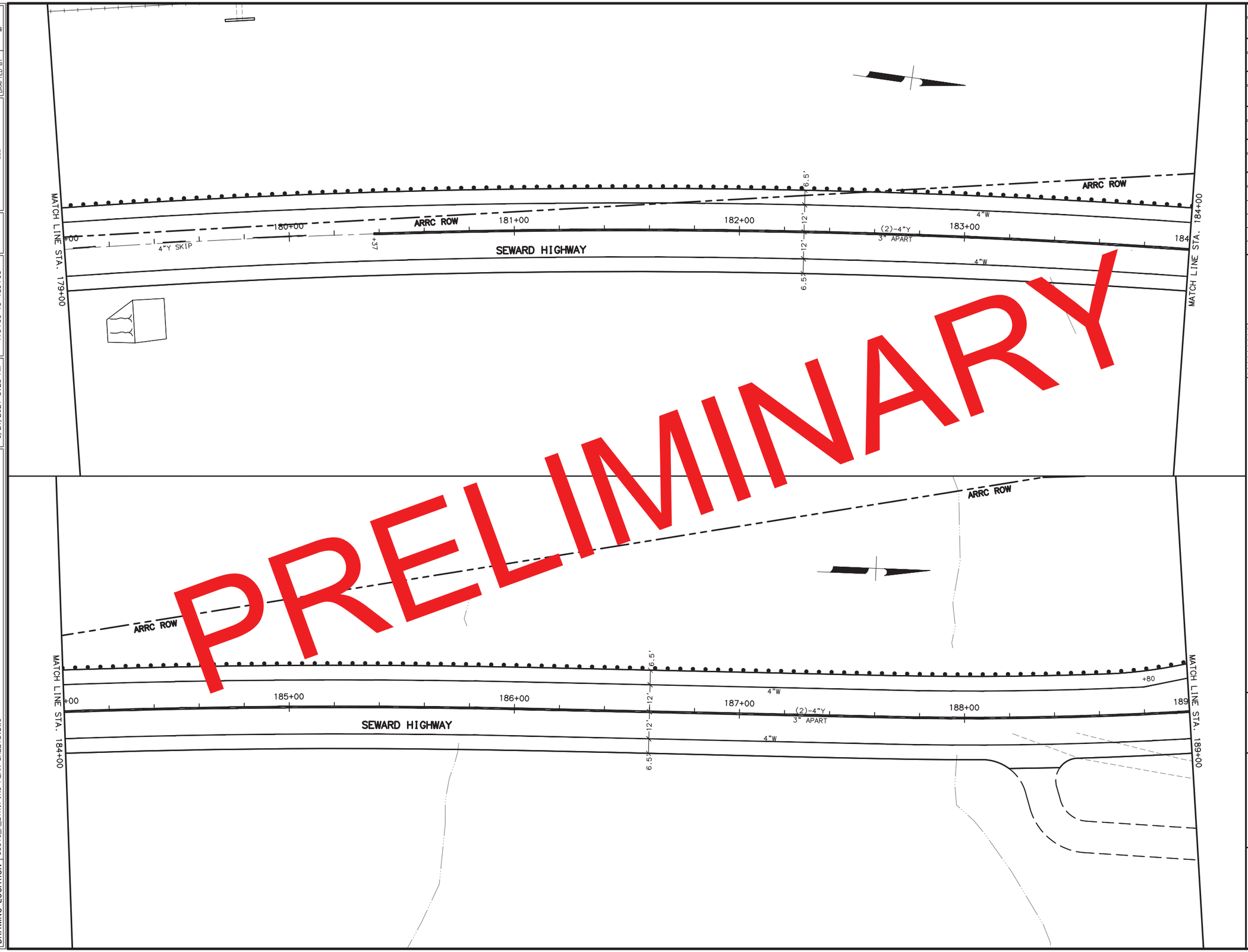
REGISTERED PROFESSIONAL ENGINEER

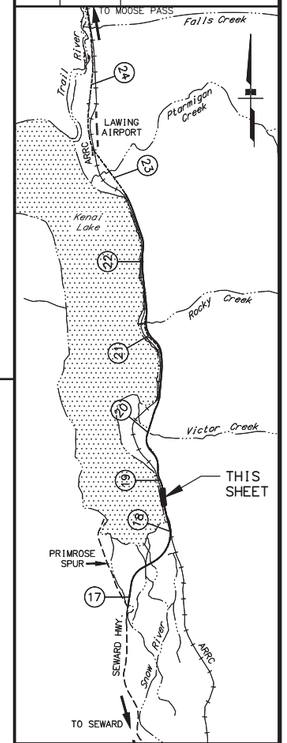
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP17-22.5
REHABILITATION

SIGNING AND STRIPING:
STA 169+00 TO STA 179+00

DESIGNED BY	QSB
CHECKED BY	CLB
DRAFTED BY	MF
XREFS	---
SCALE	-----
LAYOUT	169+00 TO 179+00
DATE TIME	6/21/2021 8:25 AM
DRAWING LOCATION	W:\PROJECTS\SEWARD HWY MP 17-22.5 REHABILITATION - 53610\C1V3D16\PLANSET
DRAWING LOCATION	53610_H_STRIPING PLAN SHEETS.DWG





SHEET NO.	TOTAL SHEETS
H12	H38
STATE	YEAR
ALASKA	2021

PROJECT DESIGNATION

0311032/Z536100000

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
LEISHA A. SWEENEY
CE 121351
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP17-22.5
REHABILITATION

SIGNING AND STRIPING:
STA 179+00 TO STA 189+00

DESIGNED BY	QSB
CHECKED BY	CLB
DRAFTED BY	MF
XREFS	---
SCALE	-----
LAYOUT	179+00 TO 189+00
DATE TIME	6/21/2021 8:25 AM
DRAWING LOCATION	W:\PROJECTS\SEWARD HWY MP 17-22.5 REHABILITATION - 53610\C1V3D16\PLANSET
DRAWING LOCATION	53610_H_STRIPING PLAN SHEETS.DWG

DESIGNED BY	OSB
CHECKED BY	CLB
DRAFTED BY	MF

XREFS: ---

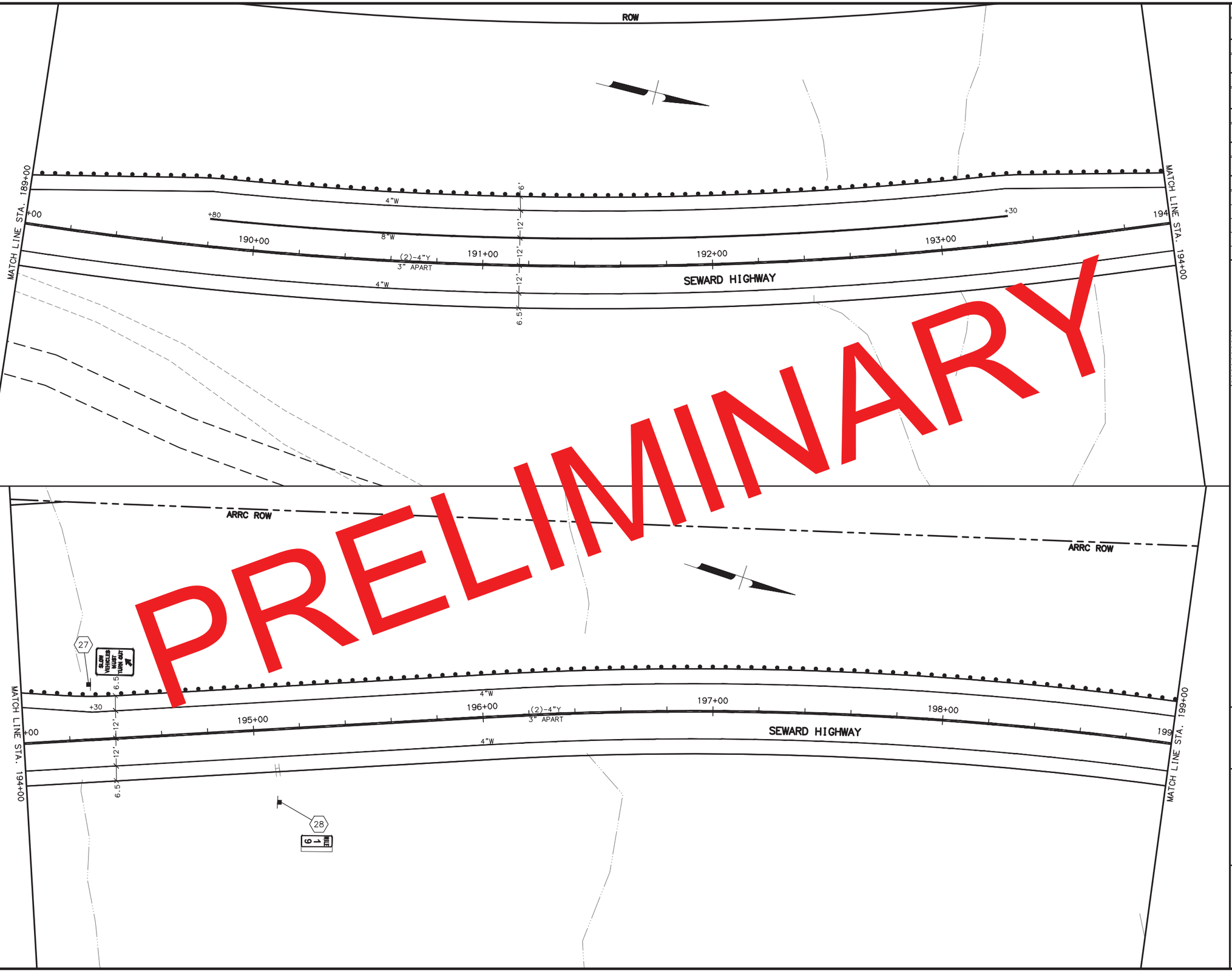
SCALE: -----

LAYOUT: 189+00 TO 199+00

DATE TIME: 6/21/2021 8:25 AM

DRAWING LOCATION: W:\PROJECTS\SEWARD HWY MP 17-22.5 REHABILITATION - 53610\C1V3D16\PLANSET

DRAWING LOCATION: 53610_H_STRIPING PLAN SHEETS.DWG



SHEET NO.	TOTAL SHEETS
H13	H38
STATE	YEAR
ALASKA	2021

PROJECT DESIGNATION

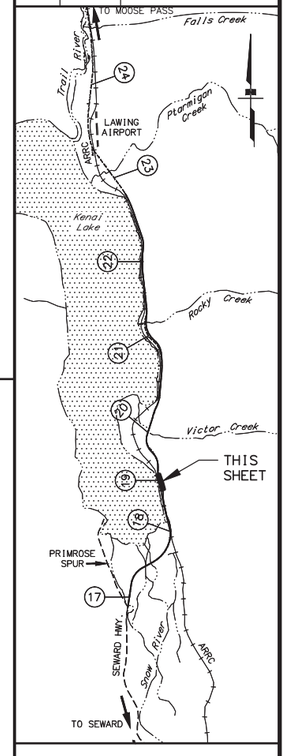
0311032/Z536100000

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
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STATE OF ALASKA
49TH
LEISHA A. SWEENEY
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP17-22.5 REHABILITATION

SIGNING AND STRIPING: STA 189+00 TO STA 199+00

DESIGNED BY	DSB
CHECKED BY	CLB
DRAFTED BY	MF

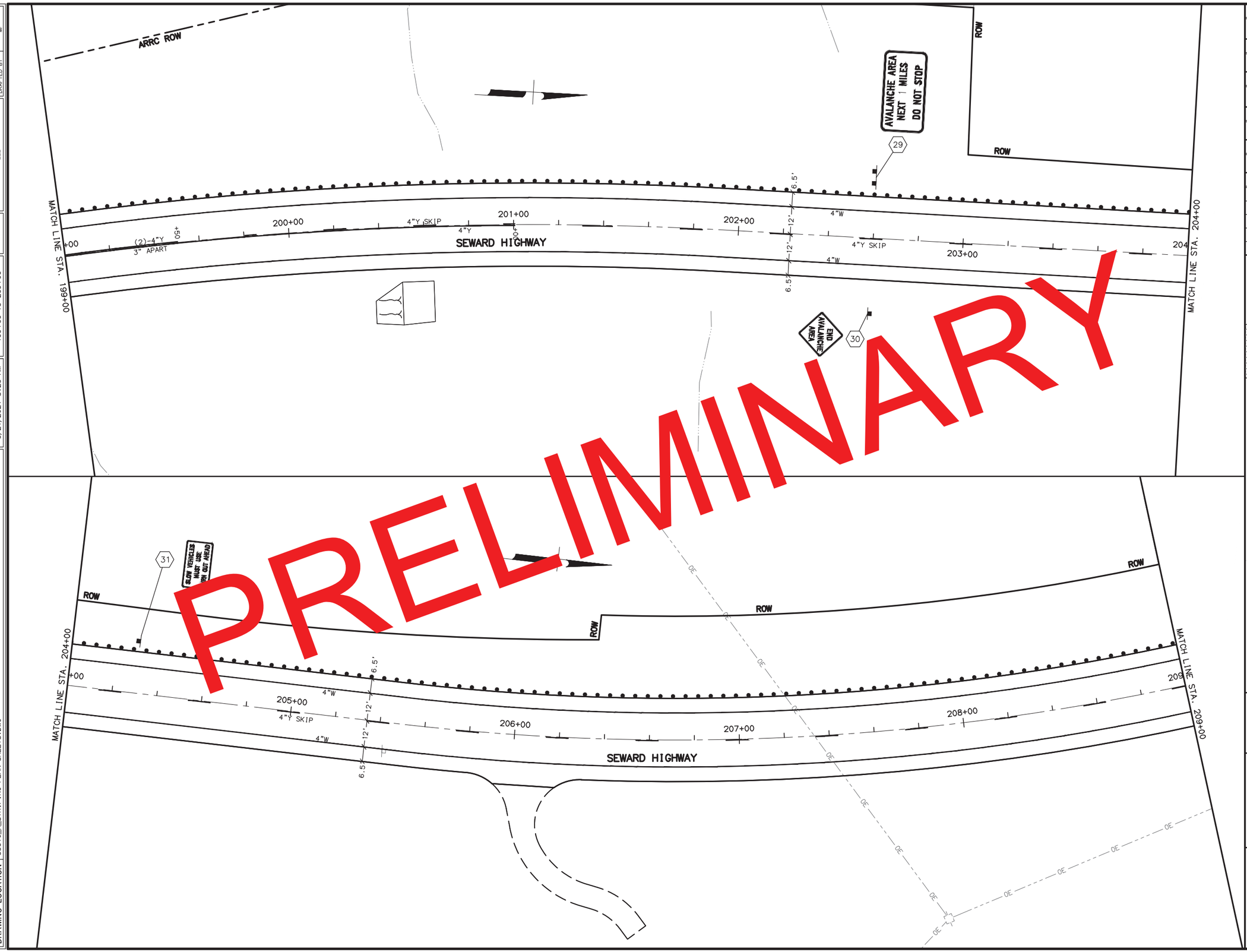
XREFS

SCALE

LAYOUT
199+00 TO 209+00

DATE	TIME
6/21/2021	8:26 AM

DRAWING LOCATION	W:\PROJECTS\SEWARD HWY MP 17-22.5 REHABILITATION - 53610\C1V3D16\PLANSET
DRAWING LOCATION	53610_H_STRIPING PLAN SHEETS.DWG



SHEET NO.	TOTAL SHEETS
H14	H38
STATE	YEAR
ALASKA	2021

PROJECT DESIGNATION

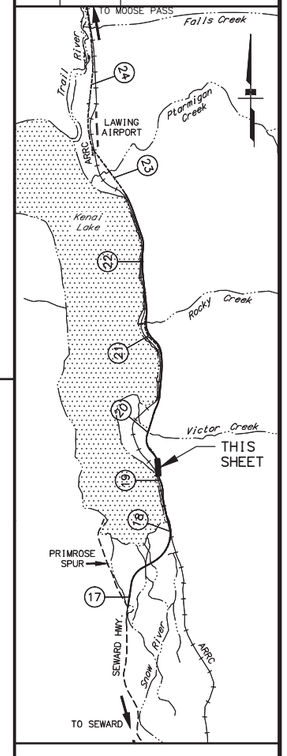
0311032/Z536100000

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA DOT&PF
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STATE OF ALASKA
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP17-22.5 REHABILITATION

SIGNING AND STRIPING: STA 199+00 TO STA 209+00

PRELIMINARY

DESIGNED BY	OSB
CHECKED BY	CLB
DRAFTED BY	MF
XREFS	---
SCALE	-----
LAYOUT	209+00 TO 219+00
DATE TIME	6/21/2021 8:26 AM
DRAWING LOCATION	W:\PROJECTS\SEWARD HWY MP 17-22.5 REHABILITATION - 53610\C1V3D16\PLANSET
DRAWING LOCATION	53610_H_STRIPING PLAN SHEETS.DWG

ROW
FALLEN ROCKS
NEXT 1 MILE
32
MATCH LINE STA. 209+00
209+00
210+00
211+00
212+00
213+00
214
MATCH LINE STA. 214+00
WW
+30
+37
6.5'
12'
4"W
4"Y SKIP
(2)-4"Y
3" APART
SEWARD HIGHWAY
OE
OE&OT
BH
215+00
216+00
217+00
218+00
219
MATCH LINE STA. 214+00
MATCH LINE STA. 219+00
30

SHEET NO.	TOTAL SHEETS
H15	H38
STATE	YEAR
ALASKA	2021

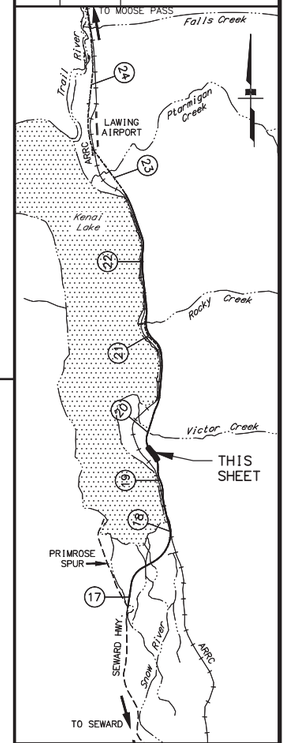
PROJECT DESIGNATION
311032/Z536100000

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA DOT&PF
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STATE OF ALASKA
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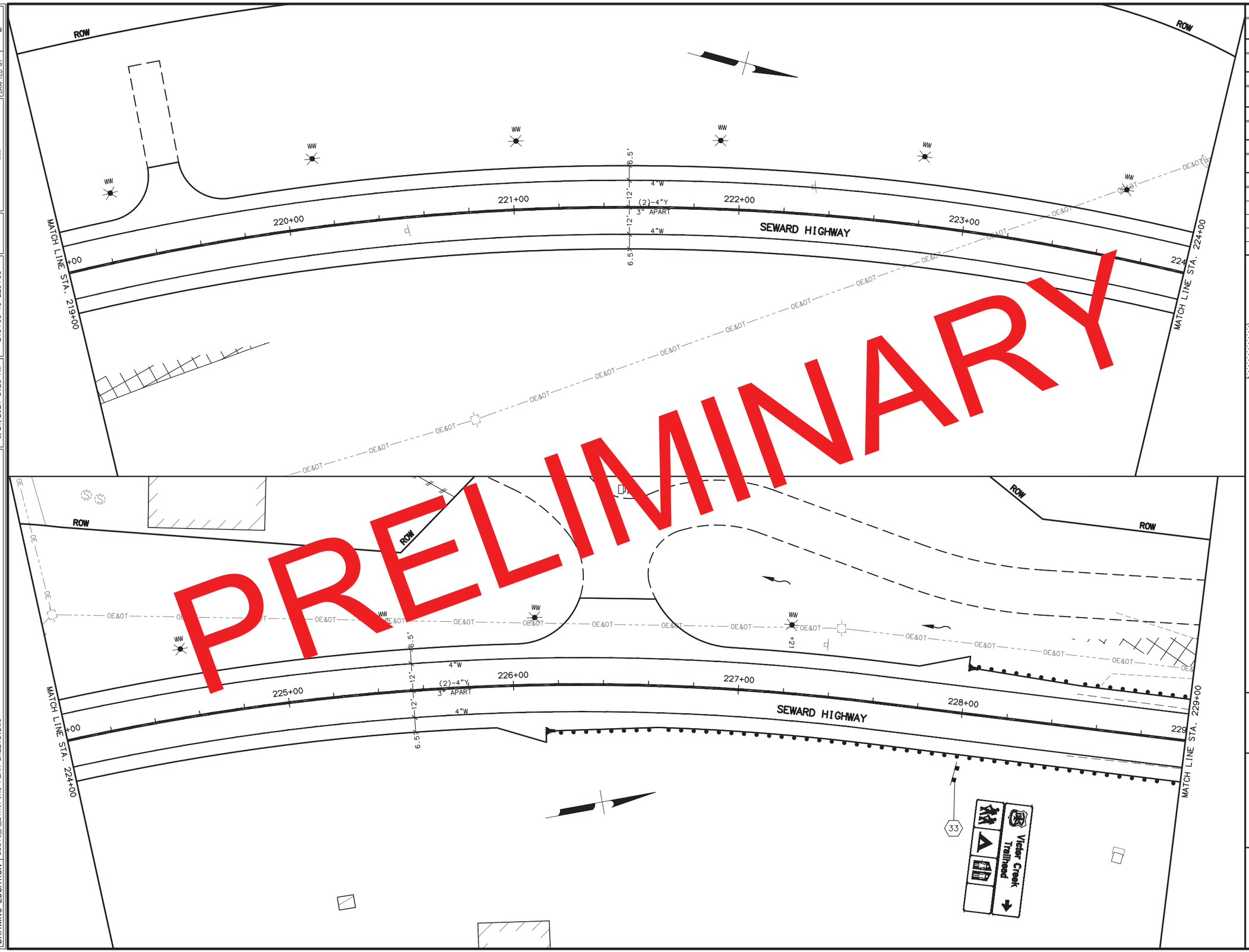
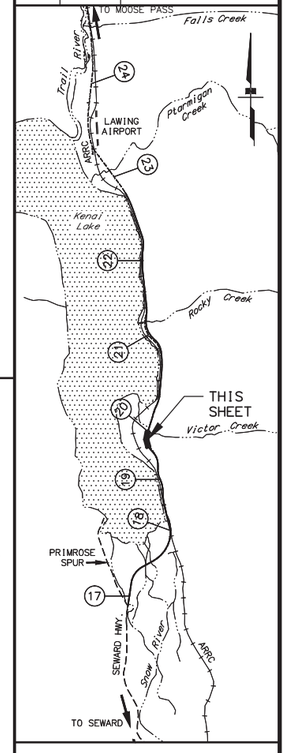
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP17-22.5 REHABILITATION

SIGNING AND STRIPING: STA 209+00 TO STA 219+00





SHEET NO.	TOTAL SHEETS
H16	H38
STATE	YEAR
ALASKA	2021

PROJECT DESIGNATION
311032/Z536100000

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
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STATE OF ALASKA
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STATE OF ALASKA
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AND PUBLIC FACILITIES

SEWARD HWY: MP17-22.5
REHABILITATION

SIGNING AND STRIPING:
STA 219+00 TO STA 229+00

DESIGNED BY	OSB
CHECKED BY	CLB
DRAFTED BY	MF
XREFS	---
SCALE	-----
LAYOUT	219+00 TO 229+00
DATE TIME	6/21/2021 8:26 AM
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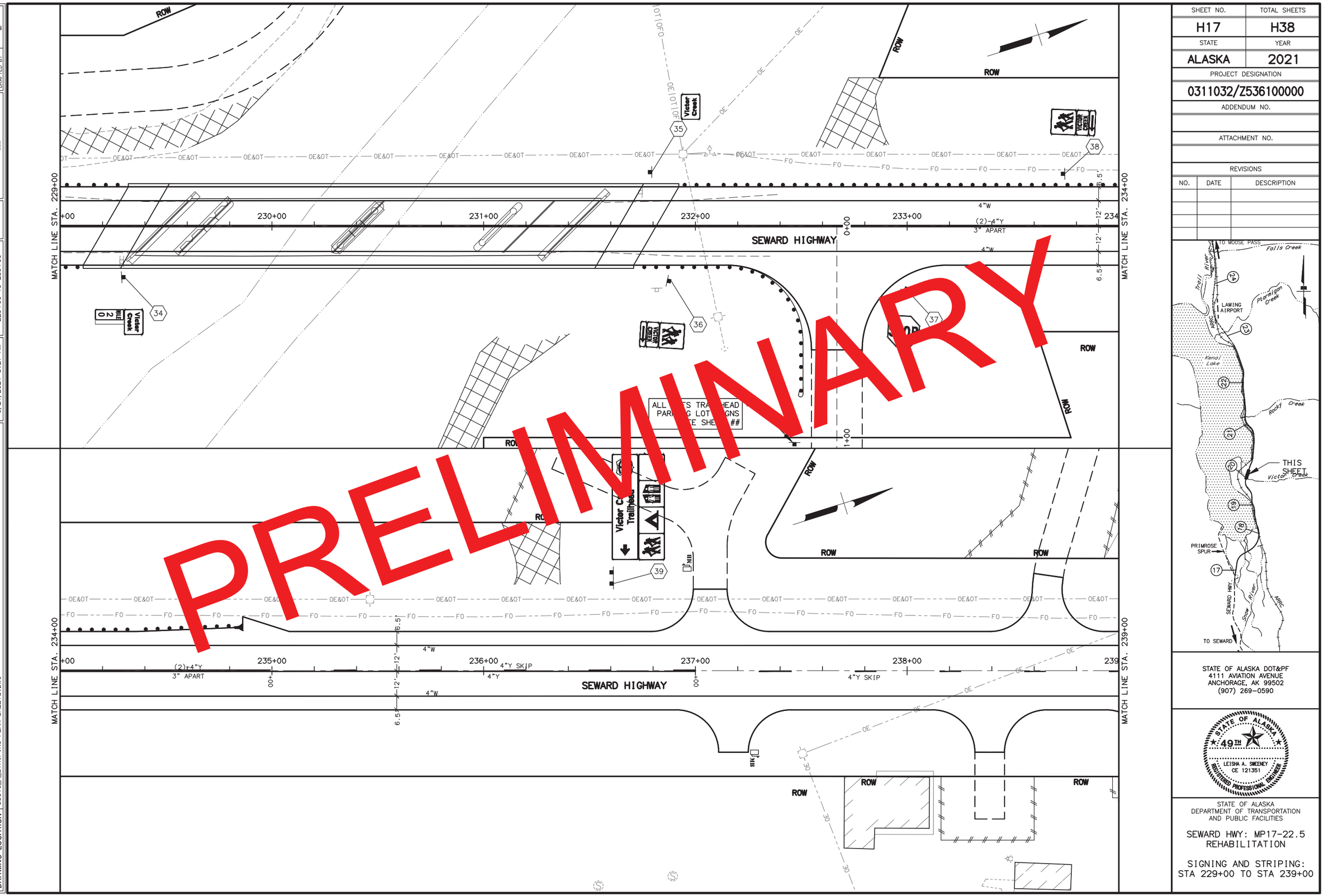
DRAWING LOCATION	53610_H_STRIPING PLAN SHEETS.DWG



DESIGNED BY	QSB
CHECKED BY	CLB
DRAFTED BY	MF
XREFS	---
SCALE	-----
LAYOUT	229+00 TO 239+00
DATE TIME	6/21/2021 8:27 AM
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DRAWING LOCATION	53610_H_STRIPING PLAN SHEETS.DWG

SHEET NO.	TOTAL SHEETS
H17	H38
STATE	YEAR
ALASKA	2021

PROJECT DESIGNATION
0311032/Z536100000

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

STATE OF ALASKA DOT&PF
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STATE OF ALASKA
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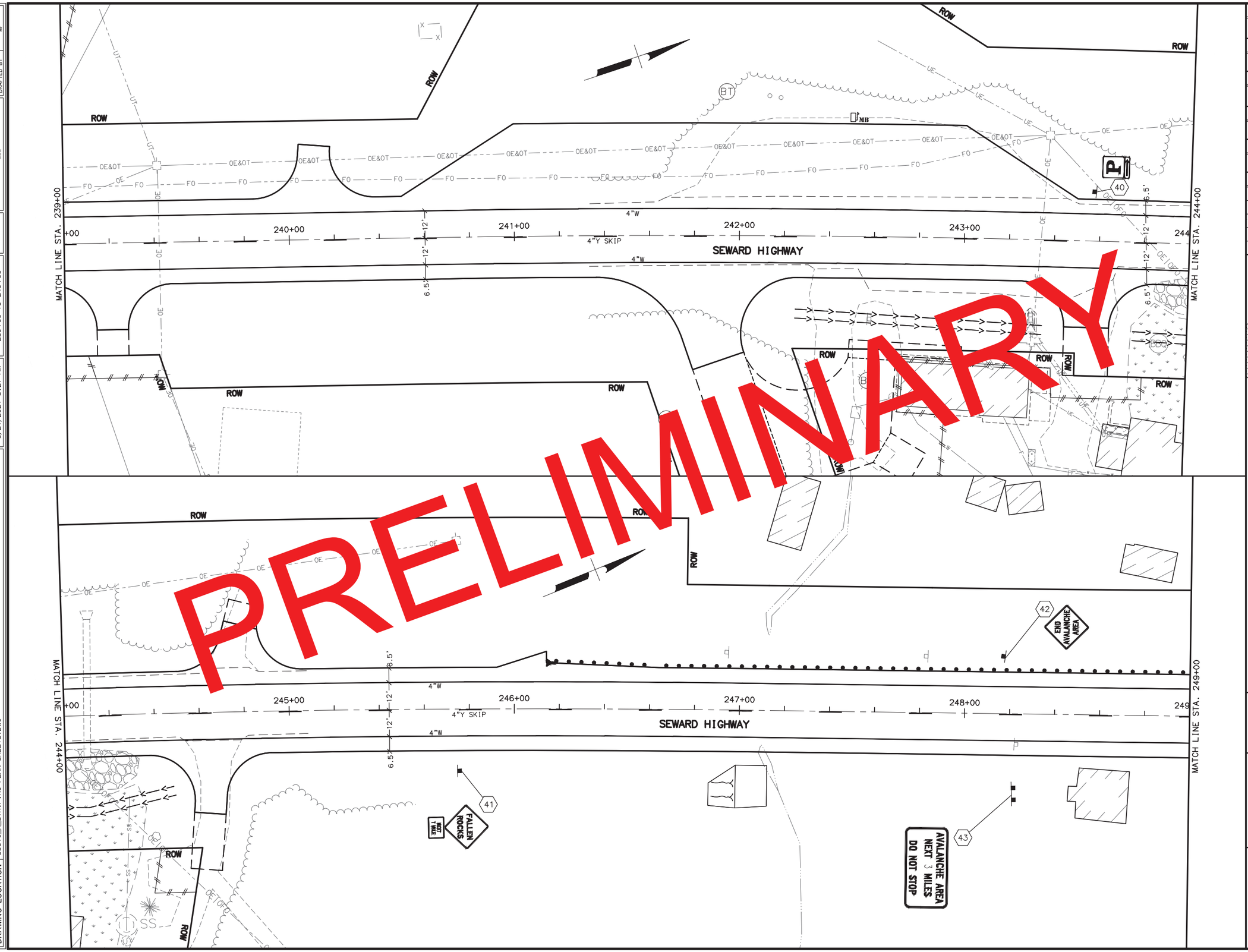
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP17-22.5 REHABILITATION

SIGNING AND STRIPING: STA 229+00 TO STA 239+00

DESIGNED BY	OSB
CHECKED BY	CLB
DRAFTED BY	MF
XREFS	---
SCALE	-----
LAYOUT	239+00 TO 249+00
DATE TIME	6/21/2021 8:27 AM
DRAWING LOCATION	W:\PROJECTS\SEWARD HWY MP 17-22.5 REHABILITATION - 53610\CIV3D16\PLANSET
DRAWING LOCATION	53610_H_STRIPING PLAN SHEETS.DWG



PRELIMINARY

SHEET NO.	TOTAL SHEETS
H18	H38
STATE	YEAR
ALASKA	2021

PROJECT DESIGNATION

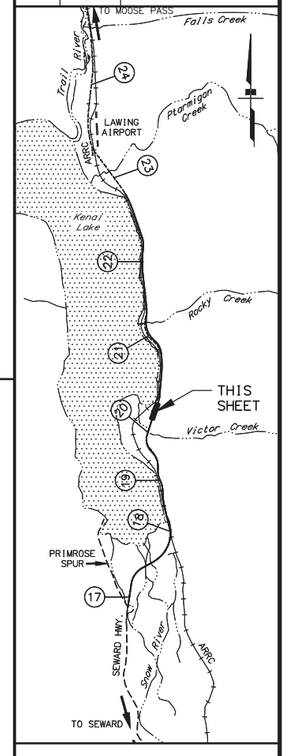
0311032/Z536100000

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



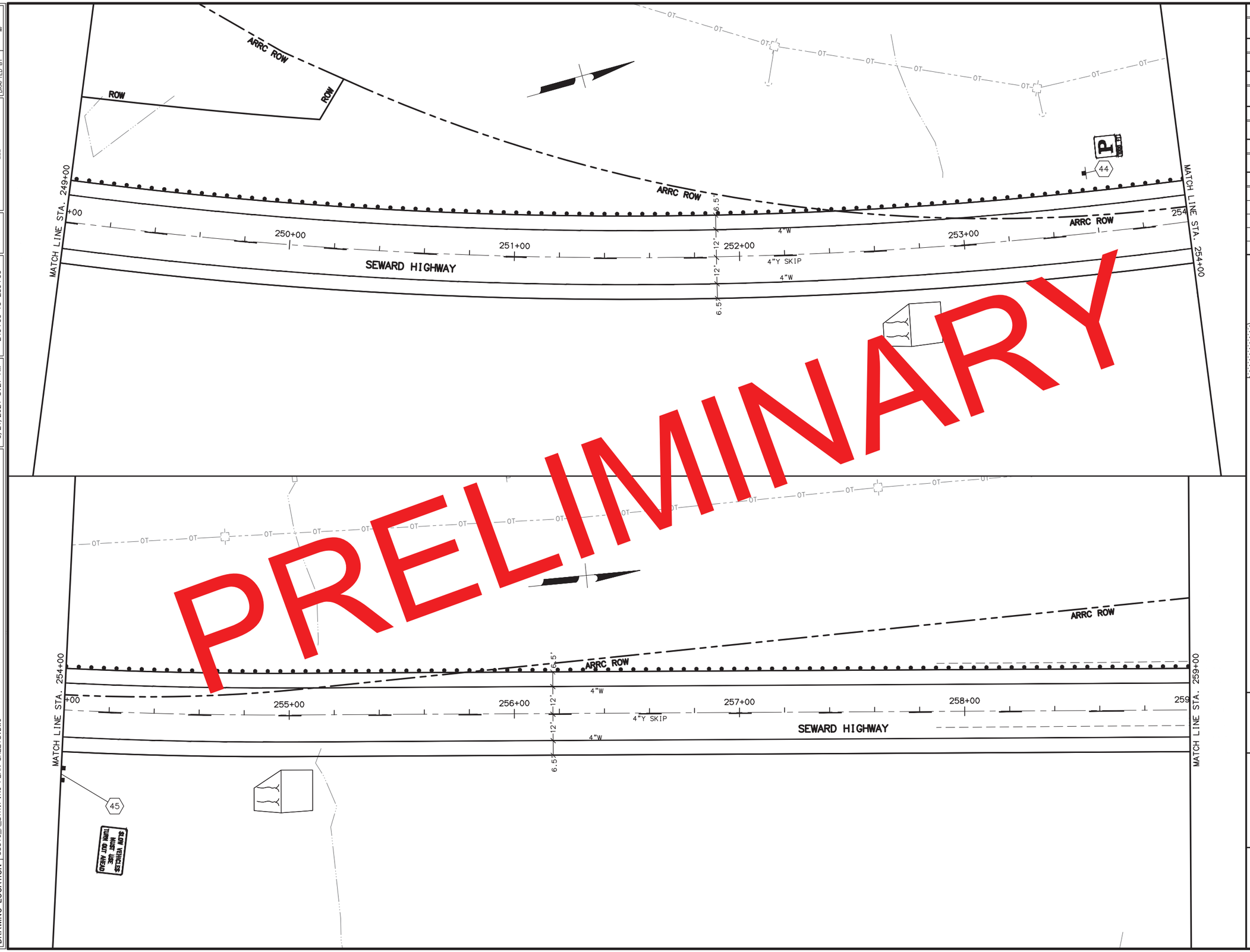
STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
49TH
LEISHA A. SWEENEY
CE 121351
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP17-22.5 REHABILITATION

SIGNING AND STRIPING: STA 239+00 TO STA 249+00



DESIGNED BY: CSB
CHECKED BY: CLB
DRAFTED BY: MF

XREFS: ---

SCALE: -----

LAYOUT: 249+00 TO 259+00

DATE TIME: 6/21/2021 8:27 AM

DRAWING LOCATION: W:\PROJECTS\SEWARD HWY MP 17-22.5 REHABILITATION - 53610\C1V3D16\PLANSET
DRAWING LOCATION: 53610_H_STRIPING PLAN SHEETS.DWG

SHEET NO.	TOTAL SHEETS
H19	H38
STATE	YEAR
ALASKA	2021

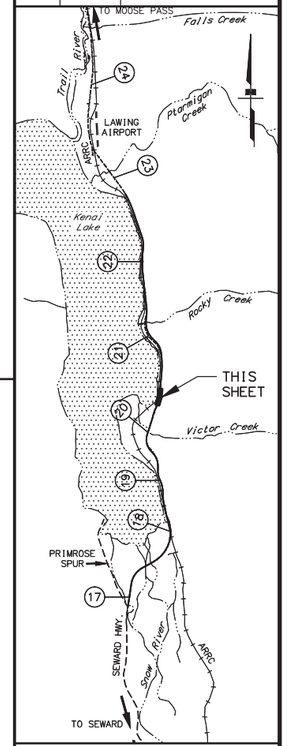
PROJECT DESIGNATION
0311032/Z536100000

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA DOT&PF
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STATE OF ALASKA
★ 49TH ★
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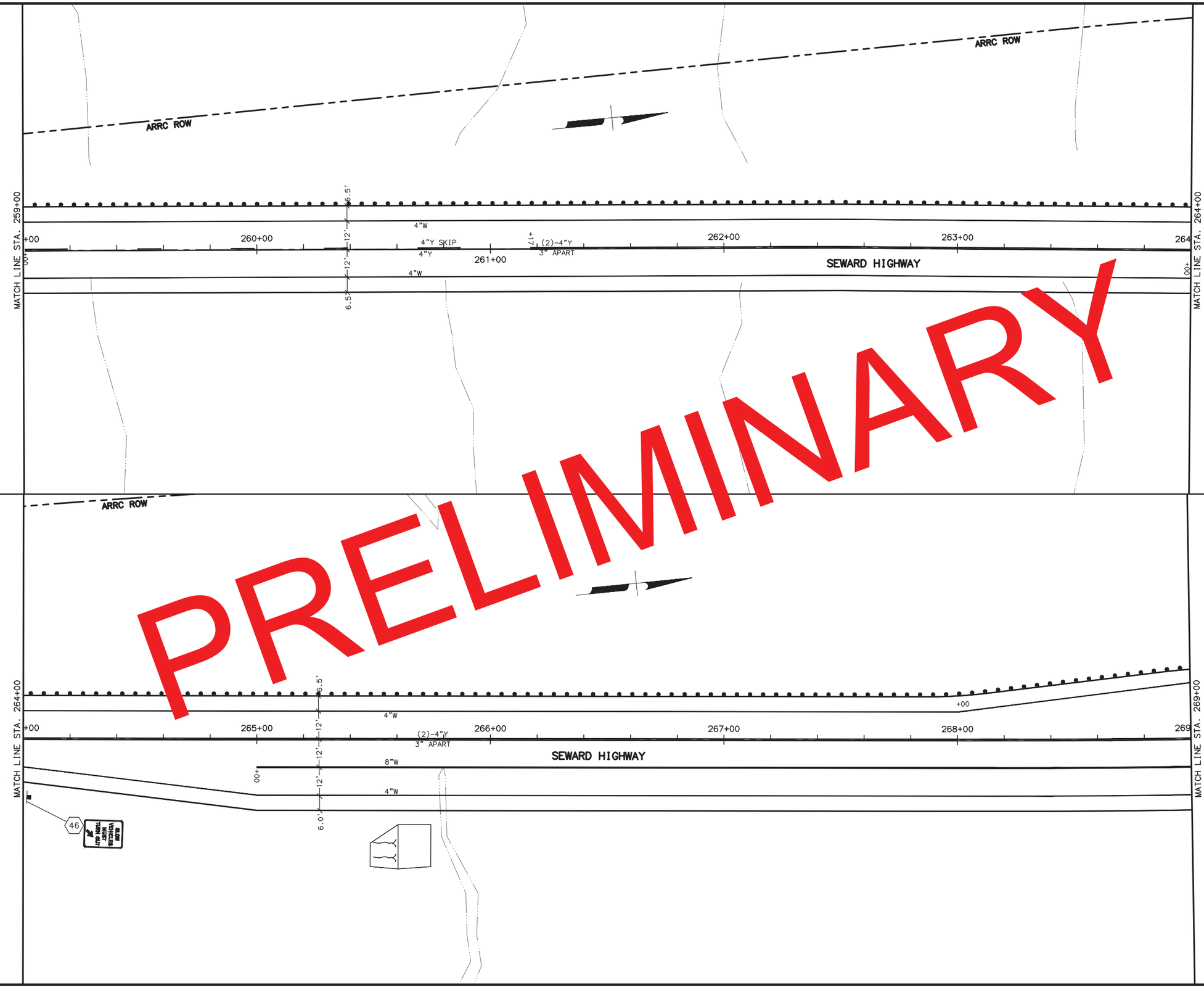
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP17-22.5 REHABILITATION

SIGNING AND STRIPING: STA 249+00 TO STA 259+00



DESIGNED BY	QSB
CHECKED BY	CLB
DRAFTED BY	MF

XREFS: ---

SCALE: -----

LAYOUT: 259+00 TO 269+00

DATE TIME: 6/21/2021 8:28 AM

DRAWING LOCATION: W:\PROJECTS\SEWARD HWY MP 17-22.5 REHABILITATION - 53610\CIV3D16\PLANSET

DRAWING LOCATION: 53610_H_STRIPING PLAN SHEETS.DWG

SHEET NO.	TOTAL SHEETS
H20	H38
STATE	YEAR
ALASKA	2021

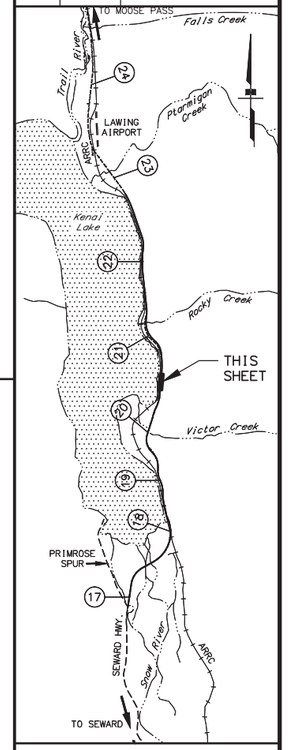
PROJECT DESIGNATION: 0311032/Z536100000

ADDENDUM NO.:

ATTACHMENT NO.:

REVISIONS

NO.	DATE	DESCRIPTION



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STATE OF ALASKA
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP17-22.5 REHABILITATION

SIGNING AND STRIPING: STA 259+00 TO STA 269+00

ARRC ROW

ARRC ROW

MATCH LINE STA. 269+00

MATCH LINE STA. 274+00

269+00 270+00 271+00 272+00 273+00 274+00

+00 +75

6.5' 12' 12' 12' 12' 12' 6.5'

4W 8"W 8"W 4"W

(2)-4"Y 3" APART

SEWARD HIGHWAY

ARRC ROW

ARRC ROW

47

SLOW VEHICLES MUST TURN OUT

MATCH LINE STA. 274+00

MATCH LINE STA. 279+00

274+00 275+00 276+00 277+00 278+00 279+00

+00 +75

6.5' 12' 12' 12' 12' 12' 6.5'

4"W 4"W

(2)-4"Y 3" APART

SEWARD HIGHWAY

DRAWING LOCATION	W:\PROJECTS\SEWARD HWY MP 17-22.5 REHABILITATION - 53610\CIV3D16\PLANSET
DRAWING LOCATION	53610_H_STRIPING PLAN SHEETS.DWG

DESIGNED BY	CSB
CHECKED BY	CLB
DRAFTED BY	MF

XREFS

SCALE: -----

LAYOUT: 269+00 TO 279+00

DATE TIME: 6/21/2021 8:28 AM

SHEET NO.	TOTAL SHEETS
H21	H38
STATE	YEAR
ALASKA	2021

PROJECT DESIGNATION

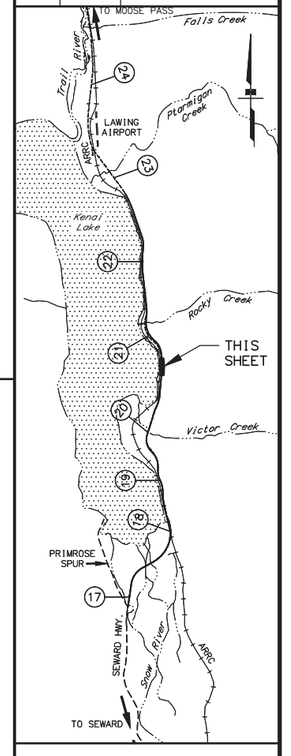
0311032/Z536100000

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



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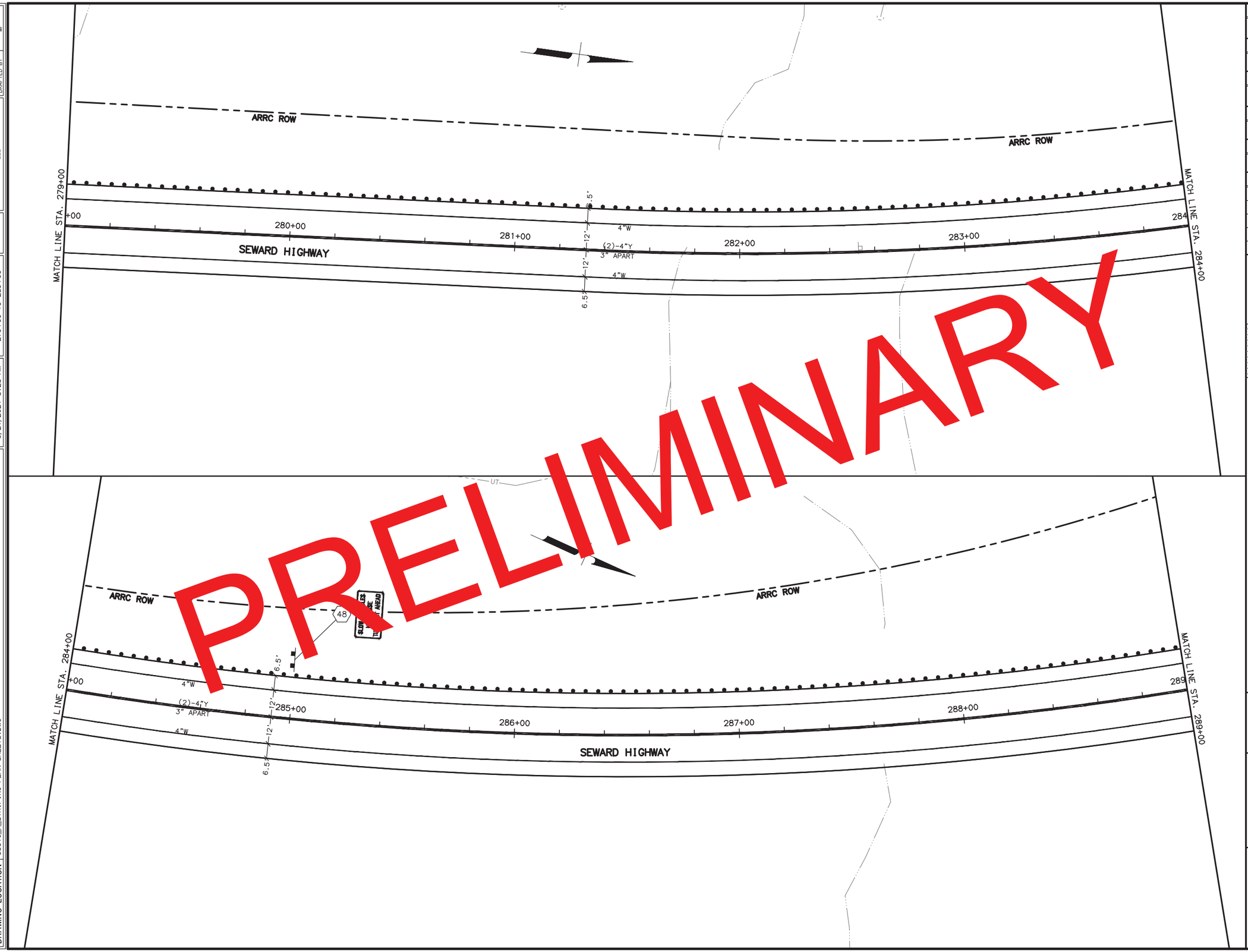
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP17-22.5 REHABILITATION

SIGNING AND STRIPING: STA 269+00 TO STA 279+00



PRELIMINARY

DESIGNED BY	QSB
CHECKED BY	CLB
DRAFTED BY	MF

XREFS: ---

SCALE: -----

LAYOUT: 279+00 TO 289+00

DATE TIME: 6/21/2021 8:28 AM

DRAWING LOCATION: W:\PROJECTS\SEWARD HWY MP 17-22.5 REHABILITATION - 53610\C1V3D16\PLANSET

DRAWING LOCATION: 53610_H_STRIPING PLAN SHEETS.DWG

SHEET NO.	TOTAL SHEETS
H22	H38
STATE	YEAR
ALASKA	2021

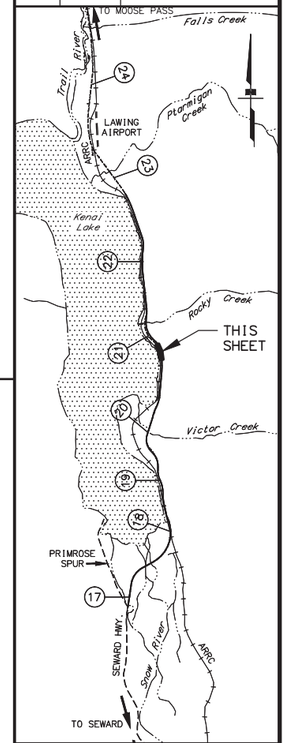
PROJECT DESIGNATION
0311032/Z536100000

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



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DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP17-22.5 REHABILITATION

SIGNING AND STRIPING: STA 279+00 TO STA 289+00

DESIGNED BY	QSB
CHECKED BY	CLB
DRAFTED BY	MF

XREFS

SCALE

LAYOUT
289+00 TO 299+00

DATE TIME
6/21/2021 8:29 AM

DRAWING LOCATION
W:\PROJECTS\SEWARD HWY MP 17-22.5 REHABILITATION - 53610\CIV3D16\PLANSET

DRAWING LOCATION
53610_H_STRIPING PLAN SHEETS.DWG

ARRC ROW

FALLEN ROCKS NEXT 1 MILE

49

MATCH LINE STA. 289+00

289+00

290+00

291+00

292+00

293+00

294

MATCH LINE STA. 294+00

4"W

(2)-4"Y 3" APART

4"W

6.5'

12'

12'

6.5'

SEWARD HIGHWAY

PRELIMINARY

MATCH LINE STA. 294+00

294+00

295+00

296+00

297+00

298+00

299

MATCH LINE STA. 299+00

4"W

(2)-4"Y 3" APART

4"W

8"W

4"W

6.5'

12'

12'

12'

6.5'

UE UE UE

50

2 1 MILE

SHEET NO.	TOTAL SHEETS
H23	H38
STATE	YEAR
ALASKA	2021

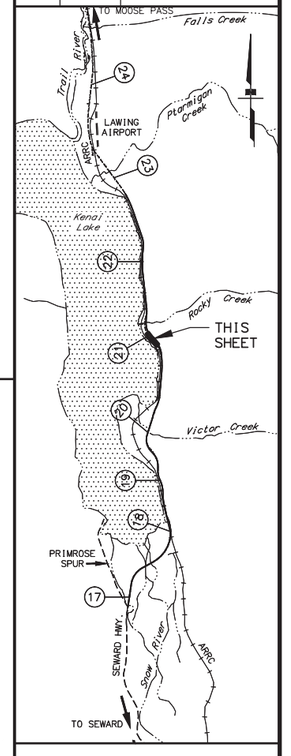
PROJECT DESIGNATION
0311032/Z536100000

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



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STATE OF ALASKA
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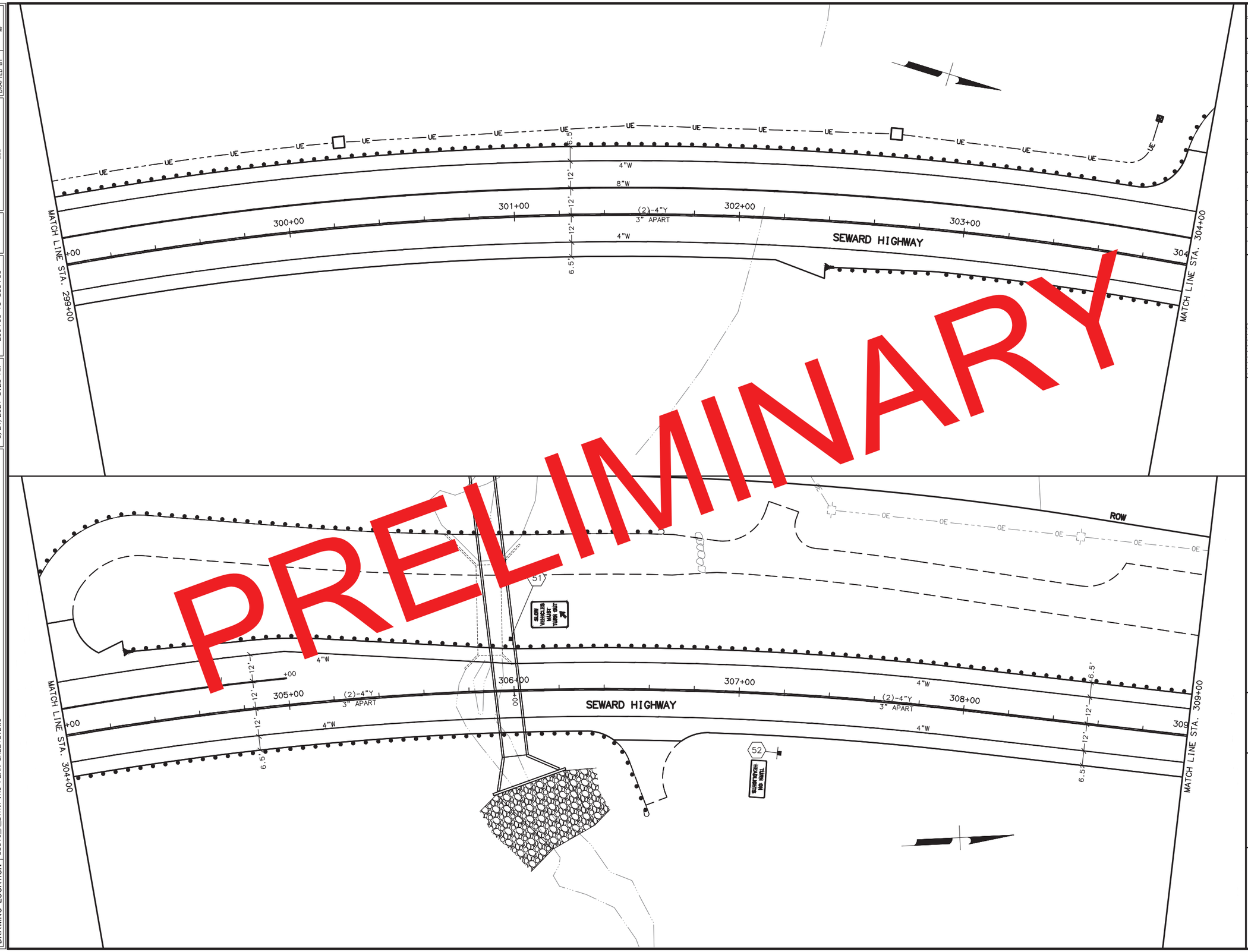
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP17-22.5 REHABILITATION

SIGNING AND STRIPING: STA 289+00 TO STA 299+00



PRELIMINARY

DRAWING LOCATION | W:\PROJECTS\SEWARD HWY MP 17-22.5 REHABILITATION - 53610\C1V3D16\PLANSET
DRAWING LOCATION | 53610_H_STRIPING PLAN SHEETS.DWG

DESIGNED BY	QSB
CHECKED BY	CLB
DRAFTED BY	MF

XREFS: ---

SCALE: 1"=50'

LAYOUT: 299+00 TO 309+00

DATE TIME: 6/21/2021 8:29 AM

SHEET NO.	TOTAL SHEETS
H24	H38
STATE	YEAR
ALASKA	2021

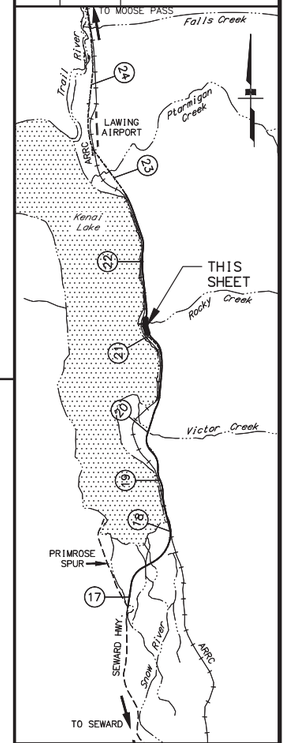
PROJECT DESIGNATION: 0311032/Z536100000

ADDENDUM NO.:

ATTACHMENT NO.:

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA DOT&PF
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STATE OF ALASKA
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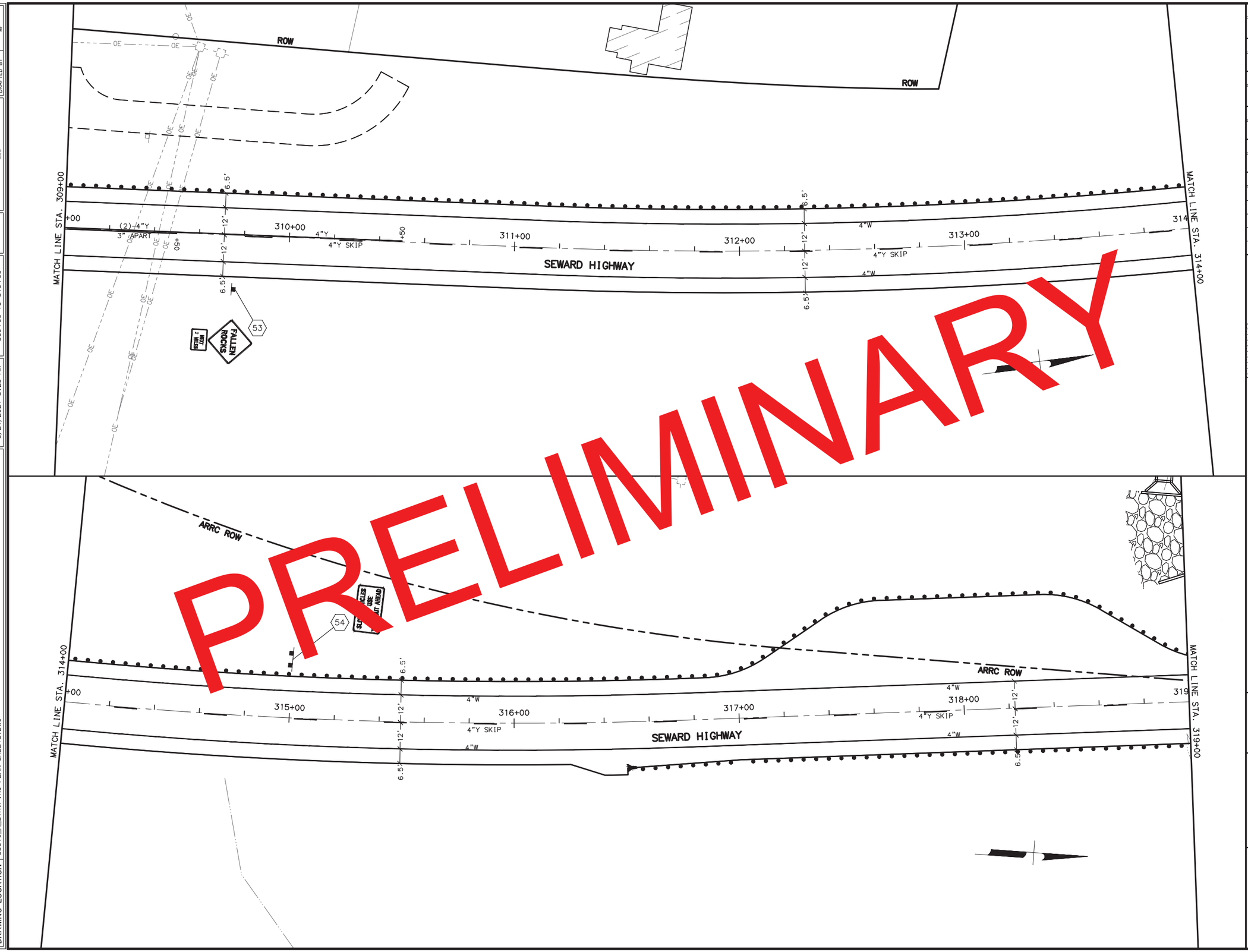
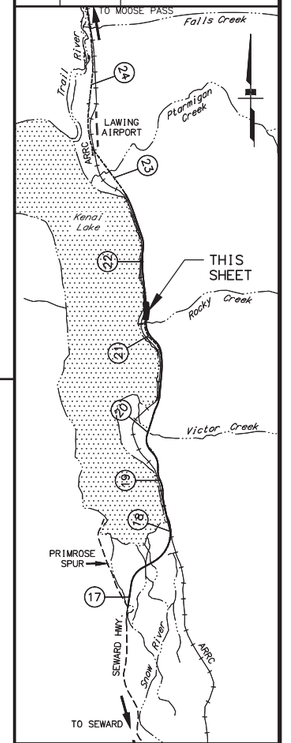
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP17-22.5 REHABILITATION

SIGNING AND STRIPING: STA 299+00 TO STA 309+00





SHEET NO.	TOTAL SHEETS
H25	H38
STATE	YEAR
ALASKA	2021

PROJECT DESIGNATION
0311032/Z536100000

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

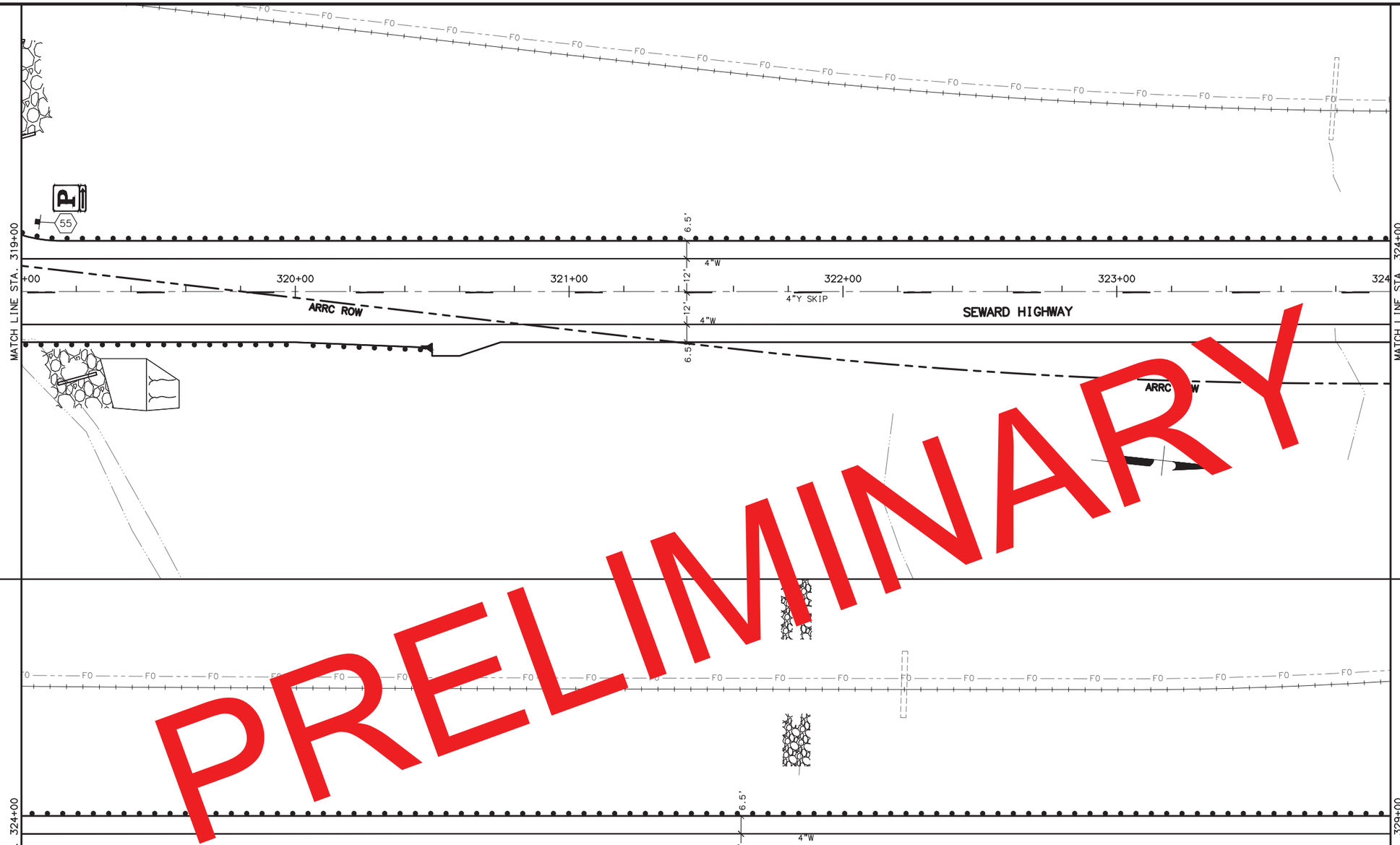
STATE OF ALASKA
LEISHA A. SWEENEY
CE 121351
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP17-22.5 REHABILITATION

SIGNING AND STRIPING: STA 309+00 TO STA 319+00

DESIGNED BY	CSB
CHECKED BY	CLB
DRAFTED BY	MF
XREFS	---
SCALE	-----
LAYOUT	309+00 TO 319+00
DATE TIME	6/21/2021 8:29 AM
DRAWING LOCATION	W:\PROJECTS\SEWARD HWY MP 17-22.5 REHABILITATION - 53610\C1V3D16\PLANSET
DRAWING LOCATION	53610_H_STRIPING PLAN SHEETS.DWG



DESIGNED BY	QSB
CHECKED BY	CLB
DRAFTED BY	MF

XREFS: ---

SCALE: -----

LAYOUT: 319+00 TO 329+00

DATE TIME: 6/21/2021 8:30 AM

DRAWING LOCATION: W:\PROJECTS\SEWARD HWY MP 17-22.5 REHABILITATION - 53610\C1V3D16\PLANSET

DRAWING LOCATION: 53610_H_STRIPING PLAN SHEETS.DWG

SHEET NO.	TOTAL SHEETS
H26	H38
STATE	YEAR
ALASKA	2021

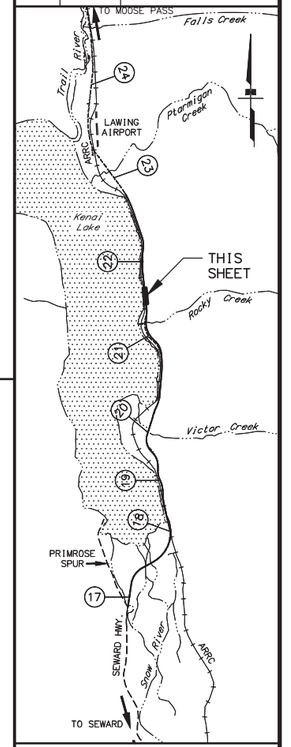
PROJECT DESIGNATION: 311032/Z536100000

ADDENDUM NO.:

ATTACHMENT NO.:

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
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STATE OF ALASKA
49TH
LEISHA A. SWEENEY
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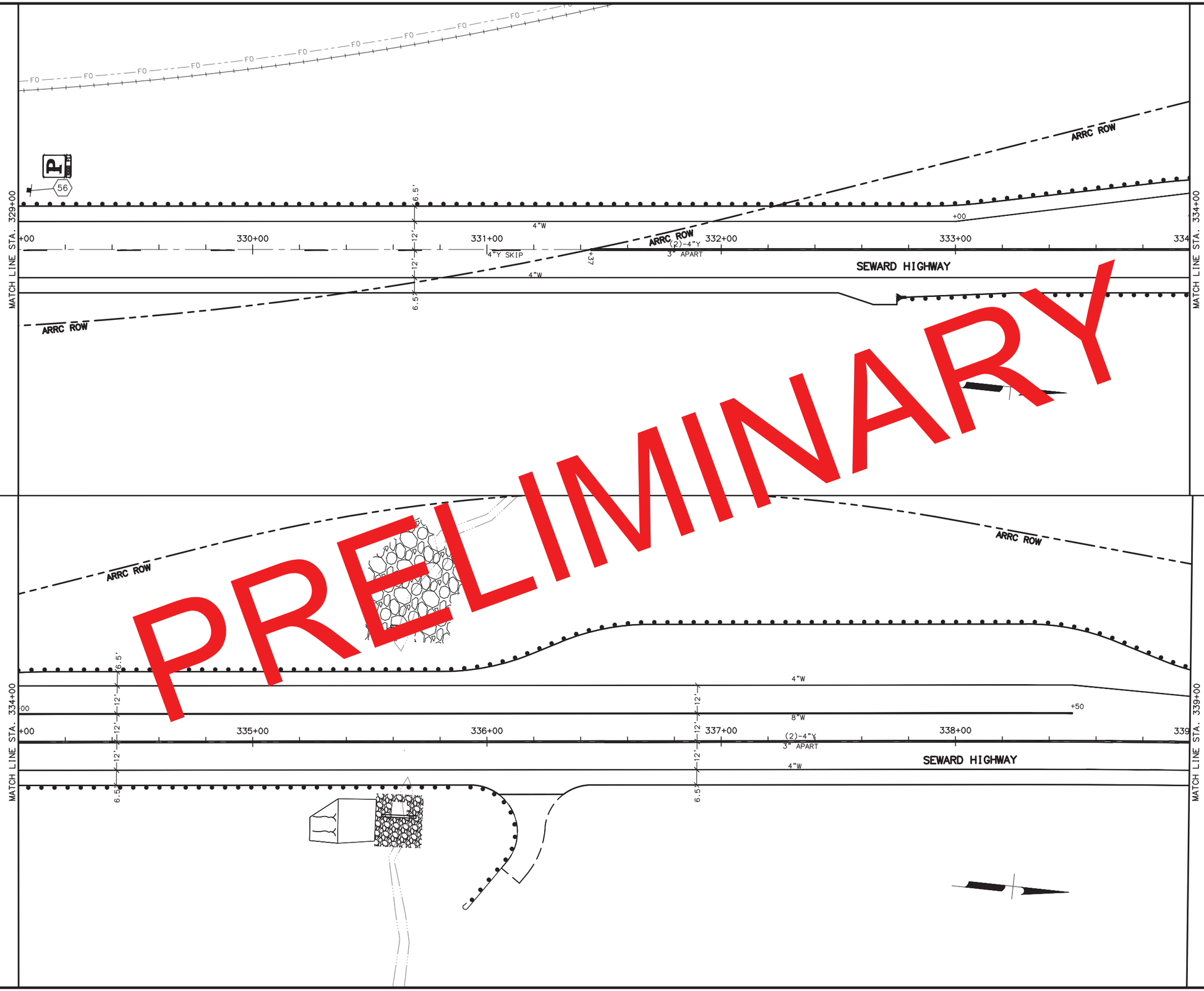
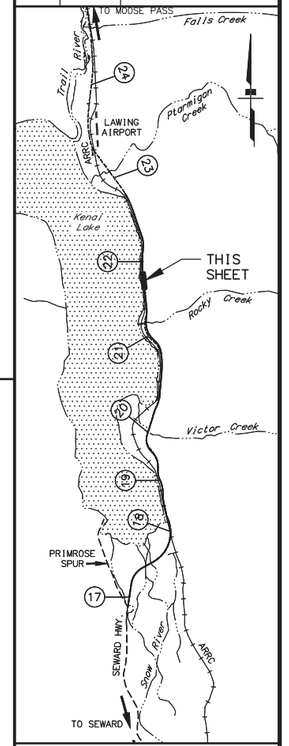
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP17-22.5 REHABILITATION

SIGNING AND STRIPING: STA 319+00 TO STA 329+00





SHEET NO.	TOTAL SHEETS
H27	H38
STATE	YEAR
ALASKA	2021

PROJECT DESIGNATION
311032/Z536100000

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
49TH
LEISHA A. SWEENEY
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP17-22.5 REHABILITATION

SIGNING AND STRIPING: STA 329+00 TO STA 339+00

DESIGNED BY: OSB
CHECKED BY: CLB
DRAFTED BY: MF

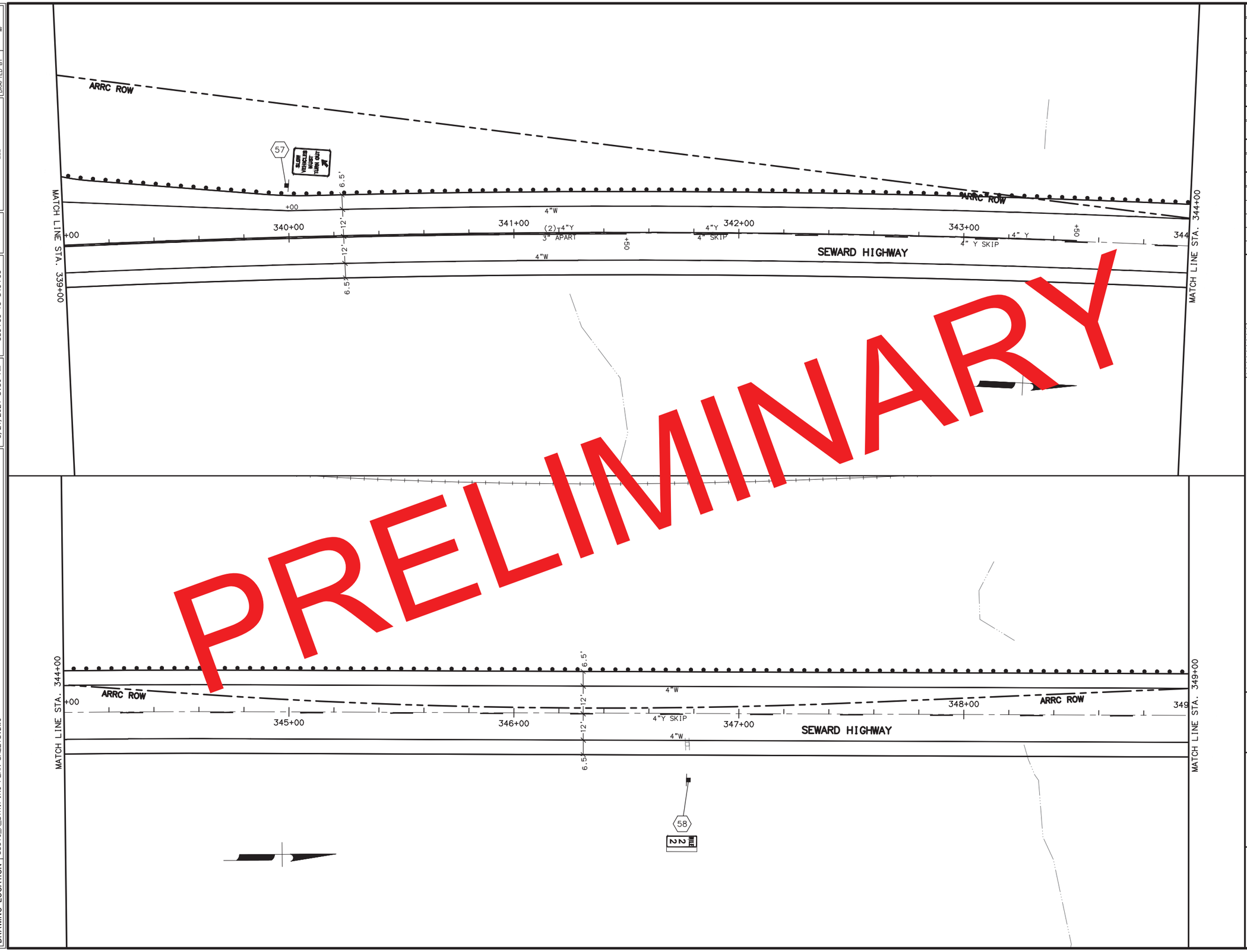
XREFS: --- --- ---

SCALE: 1"=50'

LAYOUT: 329+00 TO 339+00

DATE TIME: 6/21/2021 8:30 AM

DRAWING LOCATION: W:\PROJECTS\SEWARD HWY MP 17-22.5 REHABILITATION - 53610\C1V3D16\PLANSET
DRAWING LOCATION: 53610_H_STRIPING PLAN SHEETS.DWG



PRELIMINARY

DESIGNED BY	OSB
CHECKED BY	CLB
DRAFTED BY	MF

XREFS

SCALE

LAYOUT
339+00 TO 349+00

DATE TIME
6/21/2021 8:30 AM

DRAWING LOCATION | W:\PROJECTS\SEWARD HWY MP 17-22.5 REHABILITATION - 53610\C1V3D16\PLANSET
DRAWING LOCATION | 53610_H_STRIPING PLAN SHEETS.DWG

SHEET NO.	TOTAL SHEETS
H28	H38
STATE	YEAR
ALASKA	2021

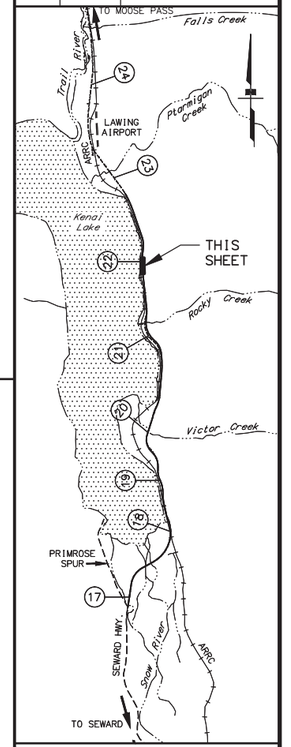
PROJECT DESIGNATION
311032/Z536100000

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA DOT&PF
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STATE OF ALASKA
49TH
LEISHA A. SWEENEY
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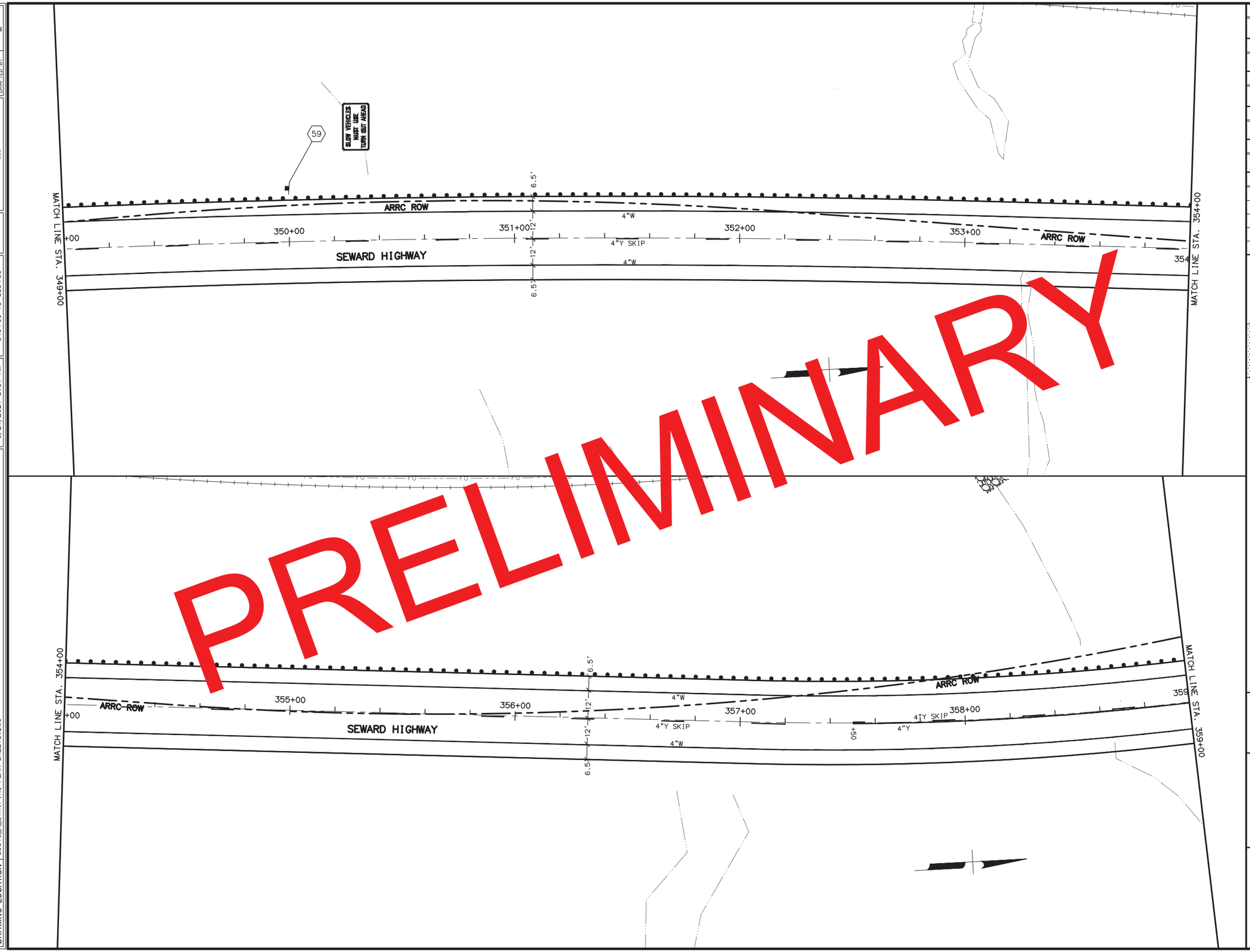
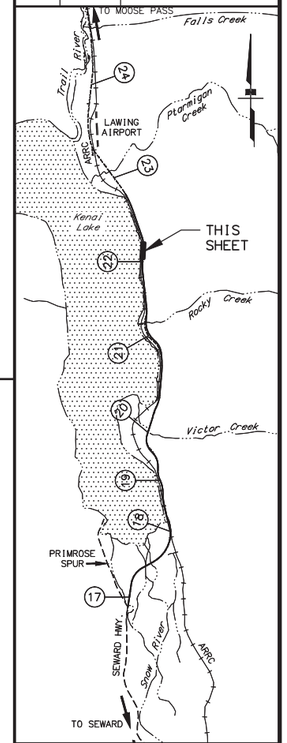
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP17-22.5
REHABILITATION

SIGNING AND STRIPING:
STA 339+00 TO STA 349+00





SHEET NO.	TOTAL SHEETS
H29	H38
STATE	YEAR
ALASKA	2021

PROJECT DESIGNATION
311032/Z536100000

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
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STATE OF ALASKA
LEISHA A. SWEENEY
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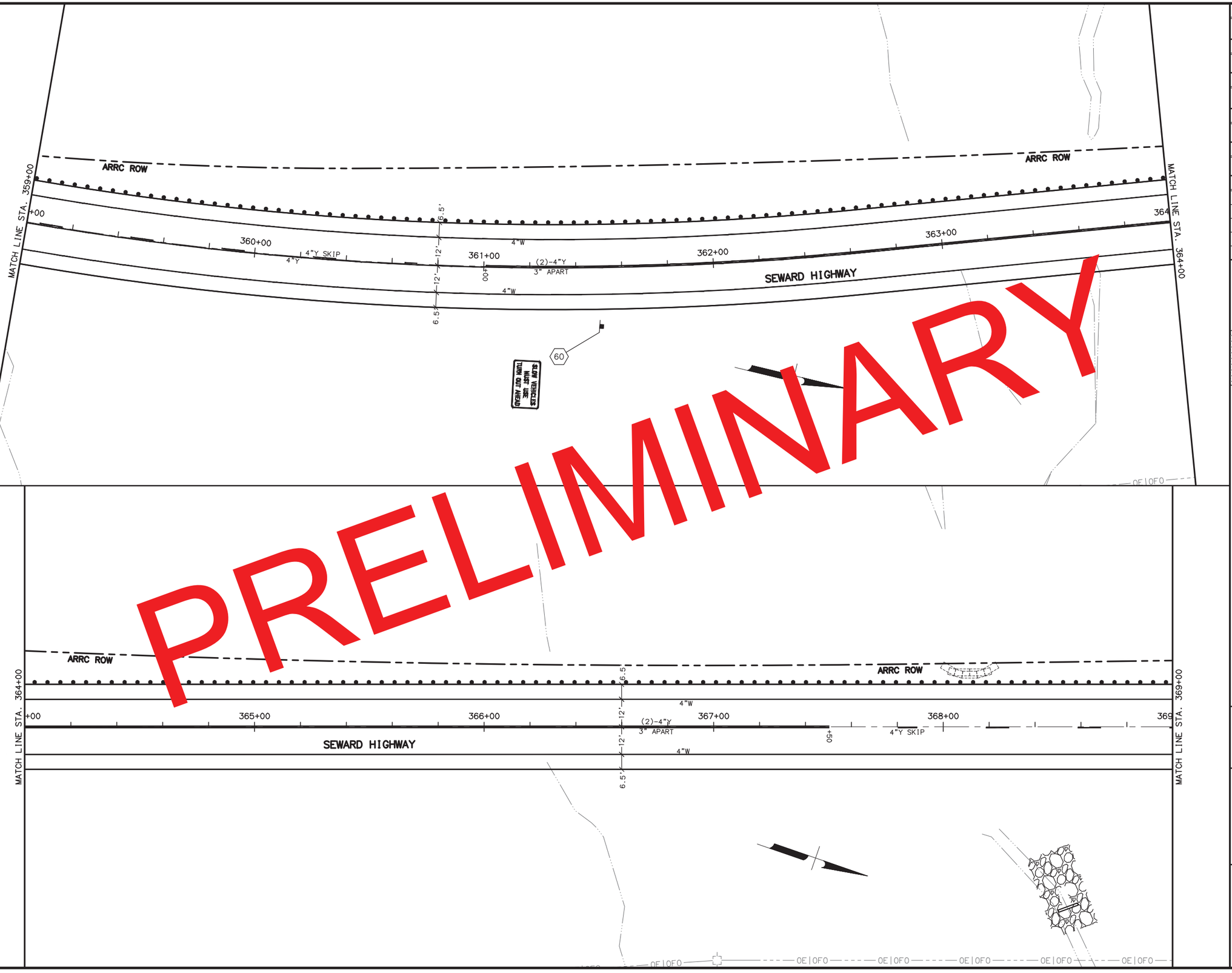
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP17-22.5 REHABILITATION

SIGNING AND STRIPING:
STA 349+00 TO STA 359+00

DESIGNED BY	QSB
CHECKED BY	CLB
DRAFTED BY	MF
XREFS	---
SCALE	-----
LAYOUT	349+00 TO 359+00
DATE TIME	6/21/2021 8:31 AM
DRAWING LOCATION	W:\PROJECTS\SEWARD HWY MP 17-22.5 REHABILITATION - 53610\C1V3D16\PLANSET
DRAWING LOCATION	53610_H_STRIPING PLAN SHEETS.DWG



DESIGNED BY	QSB
CHECKED BY	CLB
DRAFTED BY	MF
XREFS	---
SCALE	-----
LAYOUT	359+00 TO 369+00
DATE TIME	6/21/2021 8:31 AM
DRAWING LOCATION	W:\PROJECTS\SEWARD HWY MP 17-22.5 REHABILITATION - 53610\CIV3D16\PLANSET
DRAWING LOCATION	53610_H_STRIPING PLAN SHEETS.DWG

SHEET NO.	TOTAL SHEETS
H30	H38
STATE	YEAR
ALASKA	2021

PROJECT DESIGNATION

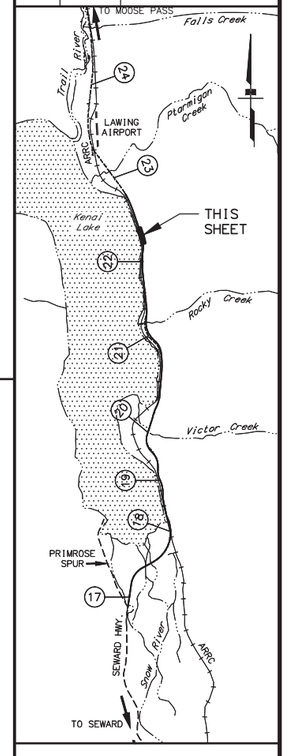
311032/Z536100000

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



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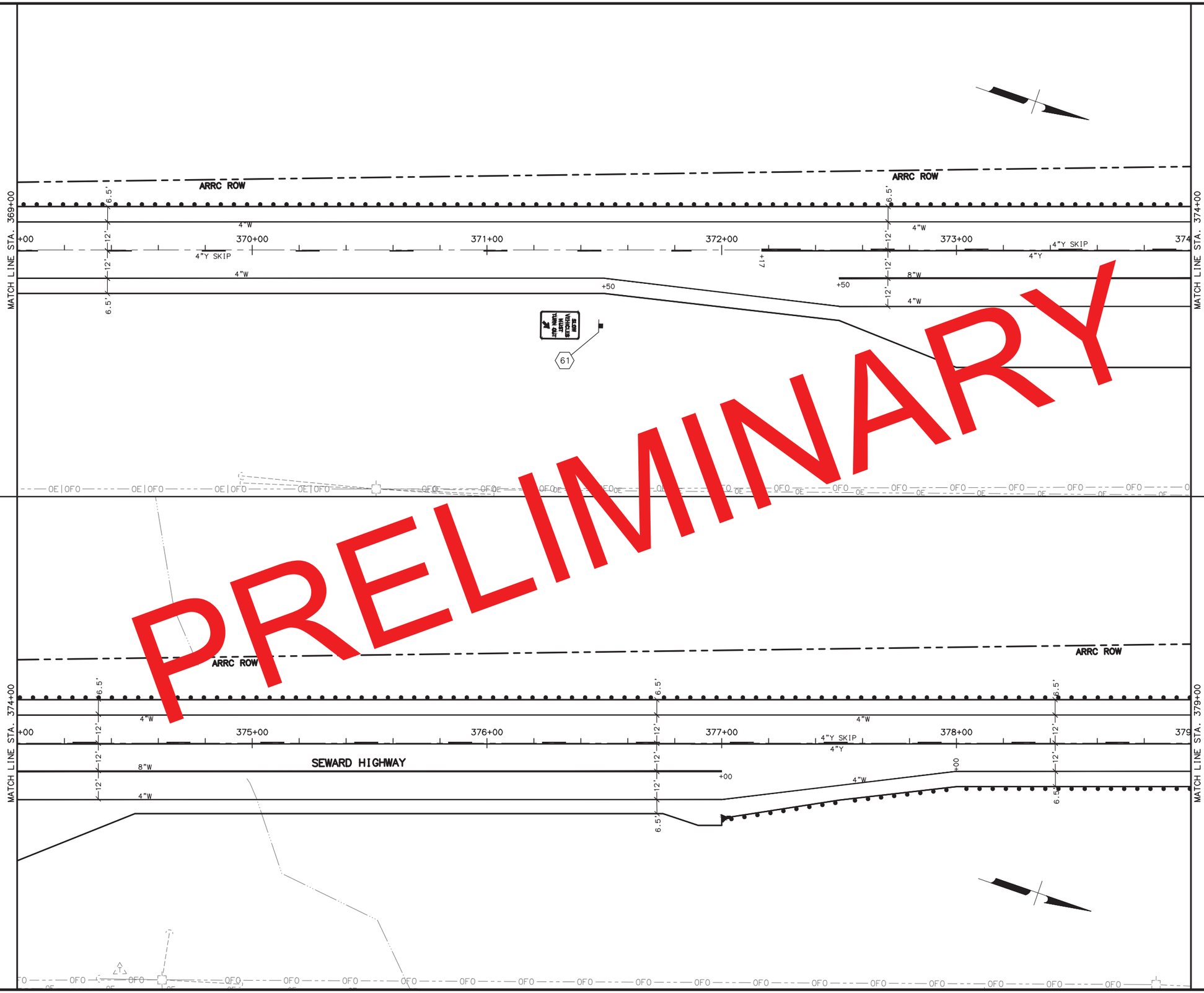
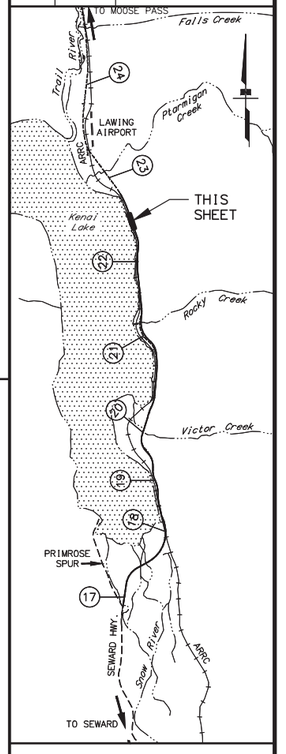
AND PUBLIC FACILITIES

SEWARD HWY: MP17-22.5 REHABILITATION

SIGNING AND STRIPING: STA 359+00 TO STA 369+00



PRELIMINARY



SHEET NO.	TOTAL SHEETS
H31	H38
STATE	YEAR
ALASKA	2021

PROJECT DESIGNATION

311032/Z536100000

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
49TH
LEISHA A. SWEENEY
CE 121351
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP17-22.5 REHABILITATION

SIGNING AND STRIPING: STA 369+00 TO STA 379+00

DESIGNED BY: QSB
CHECKED BY: CLB
DRAFTED BY: MF

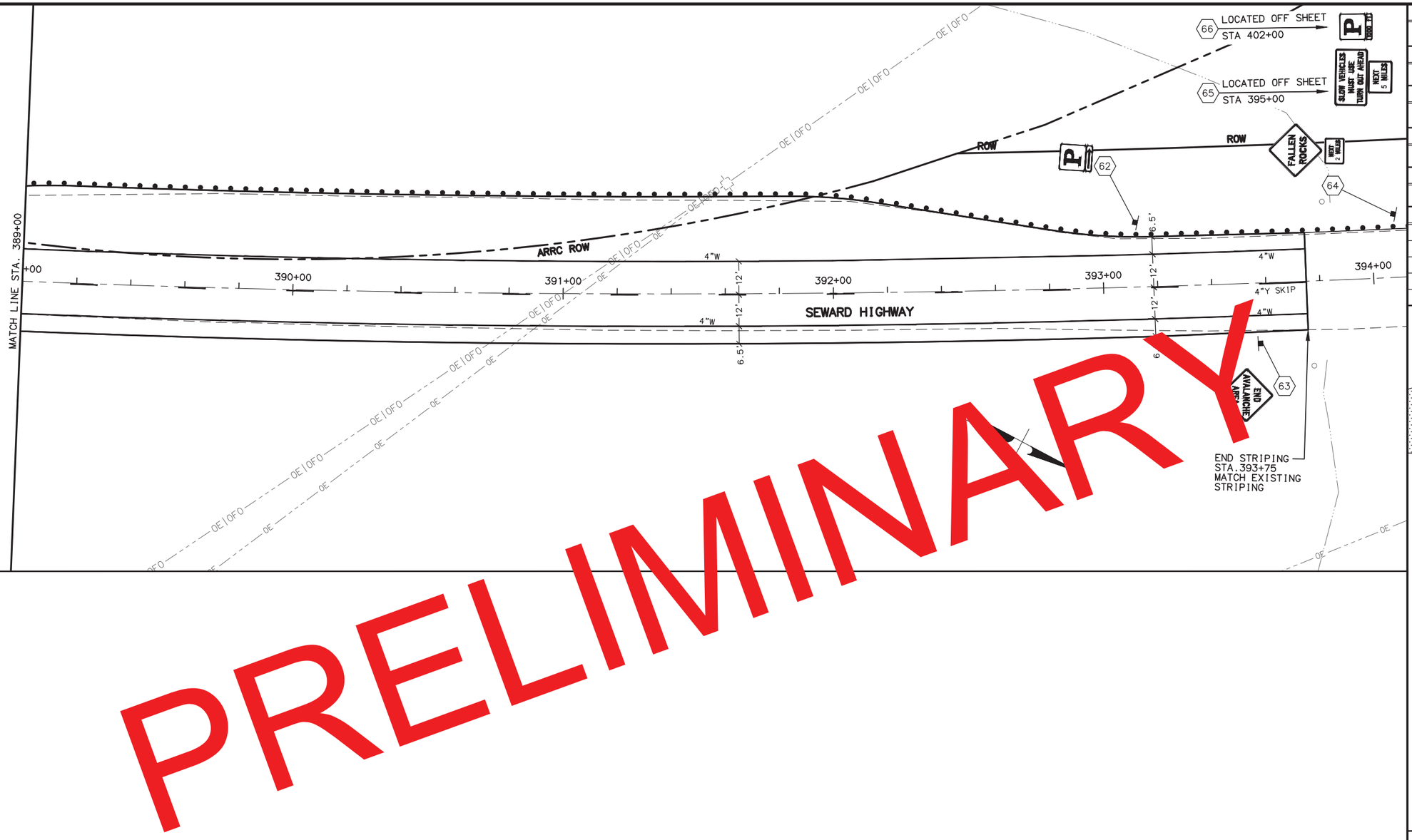
XREFS: ---

SCALE: 1"=50'

LAYOUT: 369+00 TO 379+00

DATE TIME: 6/21/2021 8:31 AM

DRAWING LOCATION: W:\PROJECTS\SEWARD HWY MP 17-22.5 REHABILITATION - 53610\C1V3D16\PLANSET
DRAWING LOCATION: 53610_H_STRIPING PLAN SHEETS.DWG



PRELIMINARY

SHEET NO.	TOTAL SHEETS
H33	H38
STATE	YEAR
ALASKA	2021

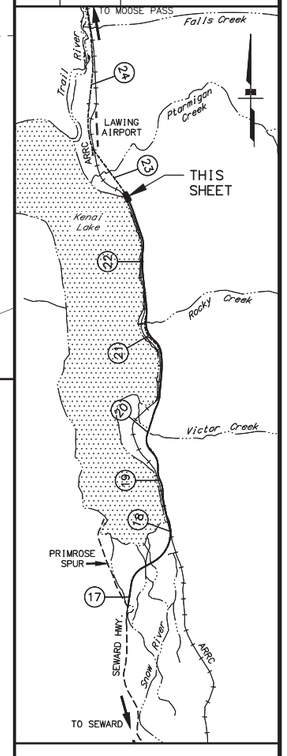
PROJECT DESIGNATION
311032/Z536100000

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA DOT&PF
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49TH
LEISHA A. SWEENEY
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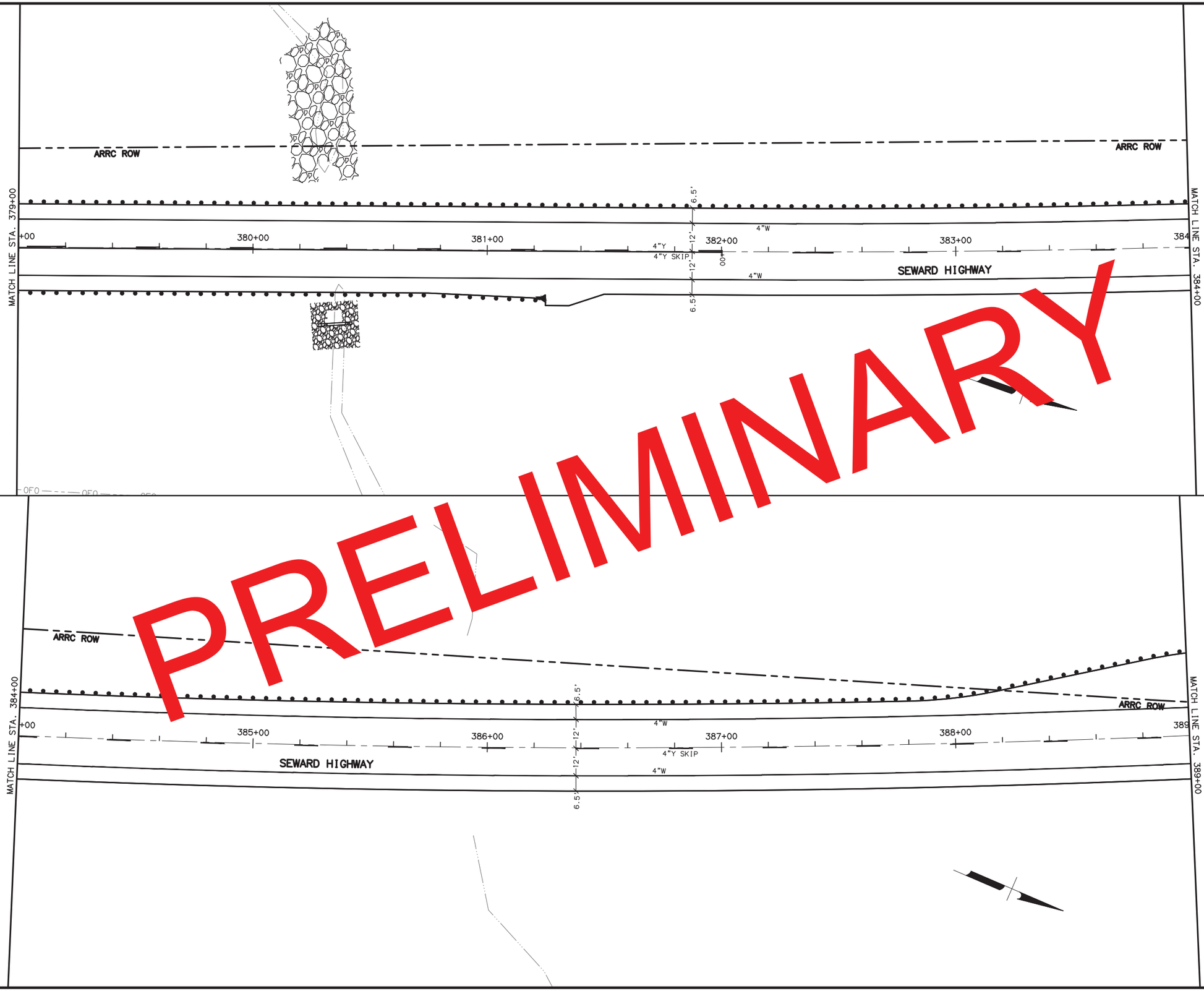
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP17-22.5
REHABILITATION

SIGNING AND STRIPING:
STA 389+00 TO STA 393+75

DESIGNED BY	OSB
CHECKED BY	CLB
DRAFTED BY	MF
XREFS	---
SCALE	----
LAYOUT	389+00 TO 393+75
DATE TIME	6/21/2021 8:32 AM
DRAWING LOCATION	W:\PROJECTS\SEWARD HWY MP 17-22.5 REHABILITATION - 53610\CIV3D16\PLANSET
DRAWING LOCATION	53610_H_STRIPING PLAN SHEETS.DWG



PRELIMINARY

DRAWING LOCATION	W:\PROJECTS\SEWARD HWY MP 17-22.5 REHABILITATION - 53610\CIV3D16\PLANSET
DRAWING LOCATION	53610_H_STRIPING PLAN SHEETS.DWG

DESIGNED BY	QSB
CHECKED BY	CLB
DRAFTED BY	MF

XREFS

SCALE: -----

LAYOUT: 379+00 TO 389+00

DATE TIME: 6/21/2021 8:32 AM

SHEET NO.	TOTAL SHEETS
H32	H38
STATE	YEAR
ALASKA	2021

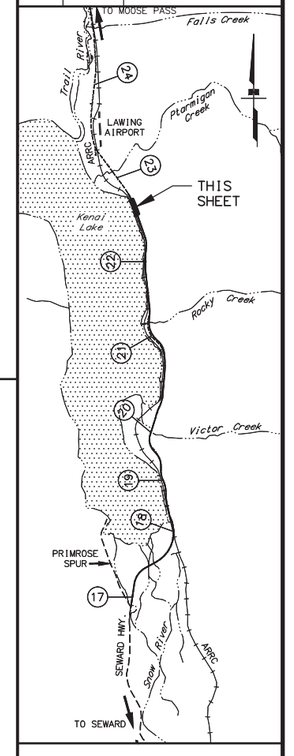
PROJECT DESIGNATION: 0311032/Z536100000

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



STATE OF ALASKA DOT&PF
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STATE OF ALASKA
49TH
LEISHA A. SWEENEY
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP17-22.5 REHABILITATION

SIGNING AND STRIPING: STA 379+00 TO STA 389+00

SIGN SUMMARY

PAGE NO.	SIGN NO.	STATION ALIGNMENT	CL REF	TYPE	LEGEND	SIZE (IN) WIDTH	SIZE (IN) HEIGHT	AREA (SQ.FT)	SIGN FACES	POSTS NO., SIZE, & TYPE	FRAMED? YES	FRAMED? NO	REMARKS
H4	1	94+40.0	RT	D7-100-MOD	Primrose Campground	96	24	16.00	S	2-3.0"T	X		SEE SHEET H4 FOR LOCATION PER ENGINEERS APPROVAL.
				D7-RM-010 D7-RL-100 D7-RW-080		96	24	16.00			X		BUILD AS A SINGLE PANEL WHITE ON BROWN
H4	2	99+40.0	RT	D7-RM-010		24	24	4.00	S	1-2.5" PT		X	WHITE LETTERING ON BROWN BACKGROUND
				D9-300 SP	PRIMROSE	24	6	1.00				X	WHITE LETTERING ON BROWN BACKGROUND
				D9-301		24	6	1.00				X	WHITE LETTERING ON BROWN BACKGROUND
H4	3	99+56.0	LT	D3-1	Seward Hwy	36	8	4.00	NW/SE	1-3.0" T	X		2 SIGNS BACK TO BACK
				D3-1	Primrose Spur	48	12	8.00	NE/SW		X		2 SIGNS BACK TO BACK
				R1-1	STOP	30	30	6.25	NW			X	
H4	4	100+23.6	RT	OM-3R		12	36	3.00	S	1-2.5" PT		X	BEHIND GUARDRAIL
H4	5	100+26.0	LT	D7-RM-010		24	24	4.00	N	1-2.5" PT		X	
				D9-300SP	PRIMROSE	24	6	1.00					BEHIND GUARDRAIL WHITE LETTERING ON BROWN BACKGROUND
				D9-301		24	6	1.00					
H4	6	100+55.7	LT	OM-3L		12	36	3.00	S	1-2.5" PT		X	BEHIND GUARDRAIL
H4	7	102+40.3	RT	OM-3R		12	36	3.00	N	1-2.5" PT		X	BEHIND GUARDRAIL
H4	8	102+71.7	LT	OM-3L		12	36	3.00	N	1-2.5" PT		X	BEHIND GUARDRAIL
H4	9	103+70.2	LT	W2-2R		36	36	9.00	N	1-3.0" T	X		BEHIND GUARDRAIL
H4	10	105+18.4	LT	D7-100-MOD	Primrose Campground	96	24	16.00	N	2-3.0"T	X		BEHIND GUARDRAIL WHITE LETTERING ON BROWN BACKGROUND
				D7-RM-010 D7-RL-100 D7-RW-080		96	24	16.00			X		BUILD AS A SINGLE PANEL WHITE LETTERING ON BROWN BACKGROUND
H4	11	106+04.5	RT	D11-202	MILE 17	14	27	2.63	N/S	1-2.5" PT		X	
H4	12	108+75.2	RT	D2-3	Soldotna 75 Anchorage 110 Homer 151	96	48	32.00	S	2-3.0" T	X		
H5	13	112+20.5	RT	R2-1	SPEED LIMIT 55	24	30	5.00	S	3.0" T		X	
H5	14	112+20.5	LT	R2-1	SPEED LIMIT 55	24	30	5.00	N	3.0" T		X	
H6	15	119+18.4	LT	R4-6A	PASSING LANE 1/2 MILE	36	48	12.00	NE	1-3.0" T	X		
H6	16	128+78.1	LT	OM-3L		12	36	3.00	SW	1-2.5" PT		X	BEHIND GUARDRAIL
H6	17	128+82.5	RT	I-3	Snow River	24	18	3.00	SW	1-2.5" PT		X	BEHIND GUARDRAIL
				OM-3R		12	36	3.00				X	

DELINEATOR, FLEXIBLE

SHEET	STATION	OFFSET	REMARKS
H15	215+[illegible].0	30.5' LT	
	216+[illegible]9.5	30.5' LT	
	217+[illegible]8.2	30.5' LT	
	218+[illegible]6.8	30.5' LT	
[illegible]16	219+25.3	30.5' LT	
	220+13.8	30.5' LT	
	221+02.0	30.5' LT	
	221+90.7	30.4' LT	
	222+79.2	30.5' LT	
	223+67.6	30.5' LT	
	224+56.1	30.5' LT	
	225+44.4	30.6' LT	
	226+10.0	30.0' LT	
	227+21.3	30.5' LT	

REVISIONS NO.	DATE	DESCRIPTION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	H34	H38

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP17-22.5
REHABILITATION

SIGN SUMMARY

DESIGNED BY: OSB
CHECKED BY: CLB
DRAFTED BY: MF
XREFS: ---
SCALE: ---
LAYOUT: H34 SIGN SUMMARY
DATE TIME: 6/21/2021 12:43 PM
DRAWING LOCATION: W:\PROJECTS\SEWARD HWY MP 17-22.5 REHABILITATION - 53610\C1V3D16\PLANSET
DRAWING LOCATION: 53610_H_SIGN SUMMARY TABLES.DWG

DESIGNED BY	CSB
CHECKED BY	CLB
DRAFTED BY	MF

XREFS

SCALE

LAYOUT
H35 SIGN SUMMARY

DATE TIME
6/21/2021 12:43 PM

DRAWING LOCATION
W:\PROJECTS\SEWARD HWY MP 17-22.5 REHABILITATION - 53610\C1V3D16\PLANSET

DRAWING LOCATION
53610_H_SIGN SUMMARY TABLES.DWG

SIGN SUMMARY

PAGE NO.	SIGN NO.	STATION ALIGNMENT	CL REF	TYPE	LEGEND	SIZE (IN) WIDTH	SIZE (IN) HEIGHT	AREA (SQ.FT)	SIGN FACES	POSTS NO., SIZE, & TYPE	FRAMED? YES	FRAMED? NO	REMARKS
H7	18	135+72.8	LT	I-3	Snow River	24	18	3.00	NE	1-2.5" PT		X	BEHIND GUARDRAIL
				OM-3L		12	36	3.00				X	
H7	19	135+74.0	RT	OM-3R		12	36	3.00	NE	1-2.5" PT		X	BEHIND GUARDRAIL
H7	20	138+00.0	RT	R4-12	SLOW VEHICLES WITH 5 OR MORE FOLLOWING VEHICLES MUST USE TURN OUT	42	24	7.00	SW	1-3.0" T	X		BEHIND GUARDRAIL
				W7-3AP	NEXT 5 MILES	24	18	3.00				X	WHITE BACKGROUND WITH BLACK LETTERING
H8	21	140+45.4	LT	W16-111	SNOW AVALANCHE AREA	36	36	9.00	NE	1-3.0" T	X		BEHIND GUARDRAIL
H8	22	140+49.3	RT	W11-112	AVALANCHE AREA NEXT 1 MILES DO NOT STOP	90	48	30.00	SW	2-3.0" T	X		FOLDING SIGN, SEE H38, BEHIND GUARDRAIL
H9	23	157+76.1	RT	W8-14	FALLEN ROCKS	36	36	9.00	S	1-3.0" T	X		BEHIND GUARDRAIL
				W7-3aP	NEXT 1 MILES	24	18	3.00				X	
H10	24	160+42.7	RT	D10-202	MILE 18	14	27	2.63	N/S	1-2.5" PT		X	BEHI RAIL
H10	25	168+49.3	LT	R4-14	SLOW VEHICLES MUST TURN OUT 3/4	30	42	8.75	N	1-3.0" T			EHIND ARDRAIL
H11	26	178+49.1	LT	R4-13	SLOW VEHICLES MUST USE TURN OUT AHEAD	42	24	7.00	N	1-3.	X		E IND GU RAIL
H13	27	194+29.5	LT	R4-14	SLOW VEHICLES MUST TURN OUT 3/4	30	42	8.75	N	-3.0"		X	BEH ND GUARDRAIL
H13	28	195+09.6	RT	D10-202	MILE 19	14	27	.63	N/S	5" PT		X	
H14	29	202+59.1	LT	W16-112	NEXT 1 MILES DO NOT STOP		48	00	N	2-3.0" T	X		BEHIND GUARDRAIL; FOLDING SIGN, SEE H38
H14	30	202+60.4	RT	-111	SNOW AVALANCHE AREA		36	9.00	S	1-3.0" T	X		
H14	31	204+29.1	LT	R4-12	OW VEHICLES UST USE OUT AHEAD	42	24	7.00	N	1-3.0" T	X		BEHIND GUARDRAIL
H15	32	209+25.0	LT	-14	LEN ROCKS	36	36	9.00	N	1-3.0" T	X		BEHIND GUARDRAIL
				W7 aP	NEXT 1 MILES	24	18	3.00				X	
H16	33	228+00.0	RT	D7-100 MOD	Victor Creek Trailhead	96	24	16.00	S	2-3.0" T	X		BEHIND GUARDRAIL; WHITE LETTERING ON BROWN BACKGROUND
				D7-RL-100 D7-RM-010 D7-RM-140		96	24	16.00			X		BUILD AS A SINGLE PANEL WHITE LETTERING ON BROWN BACKGROUND
H17	34	229+29.8	RT	I-3	Victor Creek	24	18	3.00	S	1-2.5" PT		X	BEHIND GUARDRAIL
				D10-202	MILE 20	14	27	2.63	N/S			X	
H17	35	231+78.6	LT	I-3	Victor Creek	24	18	3.00	N	1-2.5" PT		X	BEHIND GUARDRAIL

REVISIONS NO.	DATE	DESCRIPTION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	H35	H38

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
49TH
LEISHA A. SWEENEY
CE 121351
REGISTERED PROFESSIONAL ENGINEER

SEWARD HWY: MP17-22.5
REHABILITATION

SIGN SUMMARY

SIGN SUMMARY

PAGE NO.	SIGN NO.	STATION ALIGNMENT	CL REF	TYPE	LEGEND	SIZE (IN) WIDTH	SIZE (IN) HEIGHT	AREA (SQ.FT)	SIGN FACES	POSTS NO., SIZE, & TYPE	FRAMED? YES	FRAMED? NO	REMARKS
H17	36	231+87.6	RT	D7-RL-100		24	24	4.00	S	1-2.5" PT		X	BEHIND GUARDRAIL, REVERSE SYMBOL RL-100 TO FACE TOWARDS FACILITY WHITE LETTERING ON BROWN BACKGROUND
				D9-300 SP		24	6	1.00				X	
				D9-301		24	6	1.00				X	
H17	37	232+99.7	RT	R1-1		30	30	6.25	E	1-3.0" T		X	
H17	38	233+73.6	LT	D7-RL-100		24	24	4.00	N	1-2.5" PT		X	BEHIND GUARDRAIL WHITE LETTERING ON BROWN BACKGROUND
				D9-300 SP		24	6	1.00				X	
				D9-301		24	6	1.00				X	
H17	39	236+60.0	LT	D7-100-MOD		96	24	16.00	N	2-3.0" T	X		WHITE LETTERING ON BROWN BACKGROUND
				D7-RL-100 D7-RM-010 D7-RM-140		96	24	16.00			X		BUILD AS A SINGLE PANEL WHITE LETTERING ON BROWN BACKGROUND
H18	40	243+57.1	LT	D9-105		24	24	4.00	N	1-3.0" T		X	
				D9-301 R		24	6	1.00					BUILD AS A SINGLE PANEL
H18	41	245+75.1	RT	W8-14		36	36	9.00	S	1-3.0" T	X		
				W7-3aP		24	18	3.00				X	
H18	42	248+17.1	LT	W16-111		36	36	9.00	N	1-3.0" T	X		BEHIND GUARDRAIL
H18	43	248+22.0	RT	W16-112		48	30	10.00	S	2-3.0" T	X		FOLDING SIGN, SEE H38
H19	44	253+56.1	LT	D9-105		24	24	4.00	N	1-3.0" T		X	BUILD AS A SINGLE PANEL BEHIND GUARDRAIL
				D9-304		24	6	1.00				X	
H19	45	254+00.0	RT	R4-13		42	24	7.00	S	1-3.0" T	X		
H20	46	264+03.6	RT	R4-14		30	42	8.75	S	1-3.0" T		X	
H21	47	274+99.4	LT	R4-14		30	42	8.75	N	1-3.0" T		X	BEHIND GUARDRAIL
H22	48	284+99.0	LT	R4-13		42	24	7.00	N	1-3.0" T	X		BEHIND GUARDRAIL
H23	49	291+24.3	LT	W8-14		36	36	9.00	NW	1-3.0" T	X		
				W7-3aP		24	18	3.00				X	
H23	50	297+34.7	RT	D10-202		14	27	2.63	NW/SE	1-2.5" PT		X	
H24	51	305+99.2	LT	R4-14		30	42	8.75	N	1-3.0" T		X	BEHIND GUARDRAIL
H24	52	307+19.2	RT	R16-8		42	18	5.25	S	1-3.0" T	X		

REVISIONS NO.	DATE	DESCRIPTION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	H36	H38

DESIGNED BY: CSB
CHECKED BY: CLB
DRAFTED BY: MF

XREFS: --- --- ---

SCALE: ---

LAYOUT: H36 SIGN SUMMARY

DATE TIME: 6/21/2021 12:43 PM

DRAWING LOCATION: W:\PROJECTS\SEWARD HWY MP 17-22.5 REHABILITATION - 53610\C!V3D16\PLANSET

DRAWING LOCATION: 53610_H_SIGN SUMMARY TABLES.DWG

STATE OF ALASKA 49TH LEISHA A. SWEENEY CE 121351 REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP17-22.5
REHABILITATION

SIGN SUMMARY

DESIGNED BY	DRAFTED BY	CHECKED BY
CSB	MF	CLB

XREFS

SCALE

LAYOUT
H37 SIGN SUMMARY

DATE TIME
6/21/2021 12:43 PM

DRAWING LOCATION
W:\PROJECTS\SEWARD HWY MP 17-22.5 REHABILITATION - 53610\C1V3D16\PLANSET

DRAWING LOCATION
53610_H_SIGN SUMMARY TABLES.DWG

SIGN SUMMARY

PAGE NO.	SIGN NO.	STATION ALIGNMENT	CL REF	TYPE	LEGEND	SIZE (IN) WIDTH	SIZE (IN) HEIGHT	AREA (SQ.FT)	SIGN FACES	POSTS NO., SIZE, & TYPE	FRAMED? YES	FRAMED? NO	REMARKS
H25	53	309+76.1	RT	W8-14	FALLEN ROCKS	36	36	9.00	S	1-3.0"T	X		
				W7-3AP	NEXT 2 MILES	24	18	3.00				X	
H25	54	315+94.4	LT	R4-13	SLOW VEHICLES MUST USE TURN OUT AHEAD	42	24	7.00	N	1-3.0" T	X		BEHIND GUARDRAIL
H26	55	319+05.7	LT	D9-105	P	24	24	4.00	N	1-3.0"T		X	BEHIND GUARDRAIL BUILD AS A SINGLE PANEL
				D9-301 R		24	6	1.00				X	
H27	56	329+04.5	LT	D9-105	P	24	24	4.00	N	1-3.0" T		X	BEHIND GUARDRAIL BUILD AS A SINGLE PANEL
				D9-304	1000 FT	6	24	1.00				X	
H28	57	340+99.5	LT	R4-14	SLOW VEHICLES MUST TURN OUT	30	42	8.75	N	1-3.0" T		X	BEHIND GUARDRAIL
H28	58	346+77.6	RT	D10-202	MILE 2 2	14	27	2.63	N/S	1-2.5" PT		X	
H29	59	350+99.5	LT	R4-13	SLOW VEHICLES MUST USE TURN OUT AHEAD	42	24	7.00	N	1-3.0" T	X		BEHIND GUARDRAIL
H30	60	361+50.9	RT	R4-13	SLOW VEHICLES MUST USE TURN OUT AHEAD	42	24	7.00	S	1-3.0" T	X		
H31	61	371+48.5	RT	R4-14	SLOW VEHICLES MUST TURN OUT	30	42	8.75	S	1-3.0" T		X	
H33	62	392+12.2	LT	D9-105	P	24	24	4.00	N	1-3.0" T		X	BEHIND GUARDRAIL BUILD AS A SINGLE PANEL
				D9-301 R		24	6	1.00				X	
H33	63	393+57.2	RT	W16-111	RUNAWAY AREA	36	36	9.00	S	1-3.0" T	X		
H33	64	394+08.2	LT	W8-14	FALLEN ROCKS	36	36	9.00	N	1-3.0" T	X		BEHIND GUARDRAIL
				W7-3AP	NEXT 2 MILES	24	18	3.00				X	
H33	65	395+00.0	LT	W8-12	SLOW VEHICLES WITH 6 OR MORE FOLLOWING VEHICLES MUST USE TURN OUT	42	24	7.00	N	1-3.0" T	X		BEHIND GUARDRAIL
				W7-3P	NEXT 5 MILES	24	18	3.00				X	WHITE BACKGROUND WITH BLACK LETTERING
H33	66	402+00.0	LT	D9-105	P	24	24	4.00	N	1-3.0" T		X	BEHIND GUARDRAIL BUILD AS A SINGLE PANEL
				D9-304	1000 FT	6	24	1.00				X	
VICTOR CREEK TRAILHEAD													
G9	67	1+03.8	RT	R2-1	SPEED LIMIT 10	24	30	5.00	W	1-2.5" PT		X	
G9	68	1+77.8	LT	W6-3		30	30	6.25	SE	1-2.5" PT		X	
G9	69	1+89.4	RT	R4-7B	KEEP RIGHT	24	30	5.00	NW	1-2.5" PT		X	

REVISIONS		
NO.	DATE	DESCRIPTION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	H37	H38

STATE OF ALASKA
49TH
LEISHA A. SWEENEY
CE 121351
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP17-22.5
REHABILITATION

SIGN SUMMARY

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CHECKED BY	CLB
DRAFTED BY	MF

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LAYOUT
H38 SIGN SUMMARY

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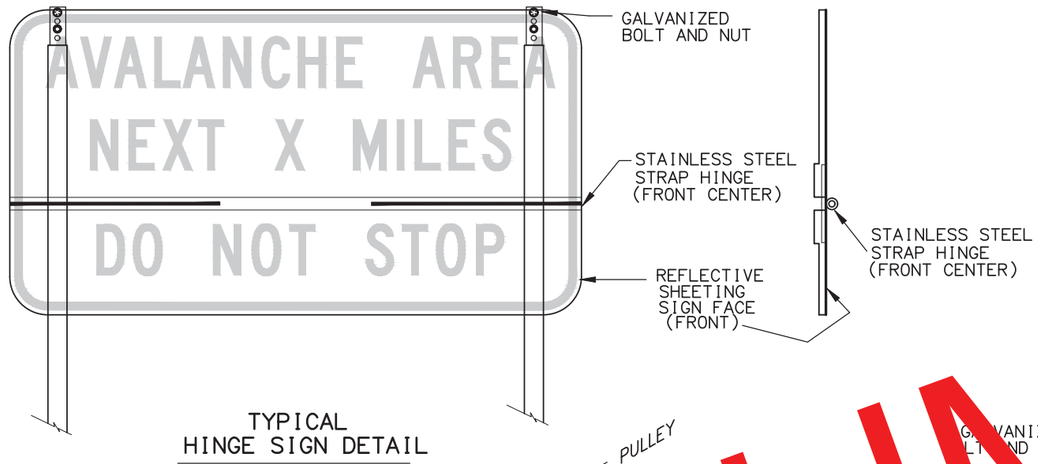
REVISIONS		
NO.	DATE	DESCRIPTION

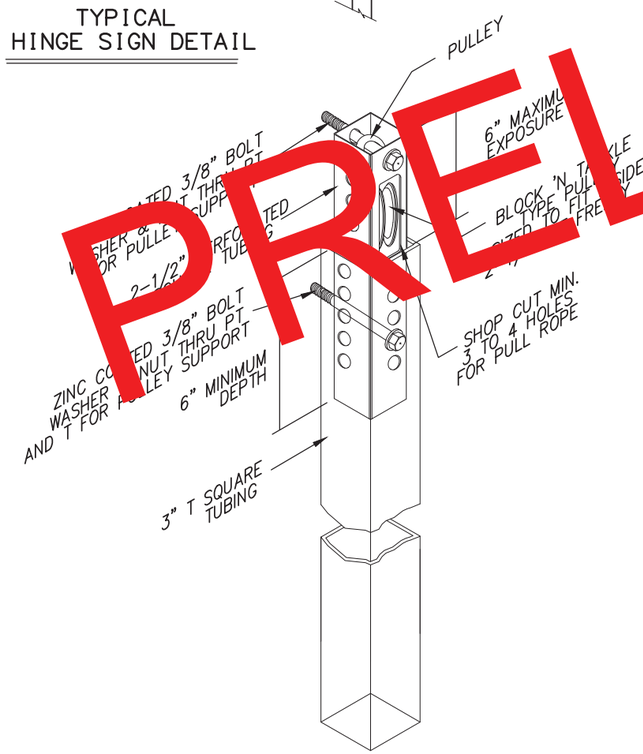
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	H38	H38

SIGN SUMMARY

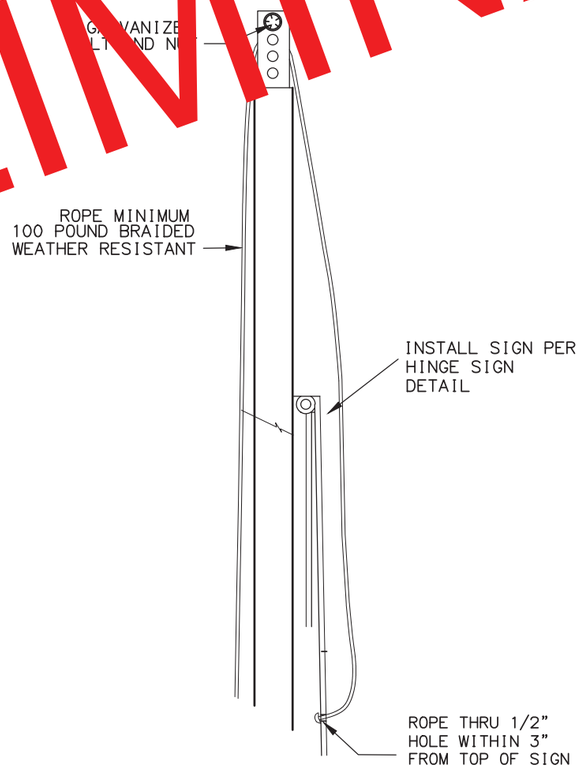
PAGE NO.	SIGN NO.	STATION ALIGNMENT	CL REF	TYPE	LEGEND	SIZE (IN) WIDTH	SIZE (IN) HEIGHT	AREA (SQ.FT)	SIGN FACES	POSTS NO., SIZE, & TYPE	FRAMED? YES	FRAMED? NO	REMARKS
G9	70	4+30.9	RT	D9-6		18	18	2.25	NW	1-2.5" PT		X	
				D9-6P	VAN ACCESSIBLE	18	9	1.13				X	
G9	71	5+85.5	LT	R4-7B	KEEP RIGHT	24	30	5.00	NW	1-2.5" PT		X	



TYPICAL HINGE SIGN DETAIL



PT, T AND PULLEY DETAIL



ROPE DETAIL

SALVAGE SIGN SUMMARY

STATION	CL REF	TYPE	LEGEND	REMARKS
99+54.9	LT	D3-1	PRIMROSE SPUR	
		R1-1	STOP	
100+23.6	RT	OM3-L		
100+57.7	LT	OM3-R		
102+40.3	RT	OM3-R		
102+71.9	LT	OM3-L		
104+21.9	LT	R4-6	TRUNK LANE	
106+06.4	RT	D10-102	MILE 17	2 SIGNS BACK TO BACK
108+75.9	RT	D2-3	CITY OF KENAI	
			ANCHORAGE	
			HOMER	
112+18.2	RT	R2-1	SPEED LIMIT 55	
114+95.7	LT	RL-10	TRAIL	
		D7-RM-	CAMPING	
		D9-3	1500 FT	
[illegible]	LT		TRUCK LANE	
[illegible]8+65.9	RT	W16-[illegible]2	AVALANCHE AREA	HINGED SIGN
[illegible]+77.9	LT	OM3-		
[illegible]82.4	RT	OM3-		
13[illegible]3.8	RT	OM3-R		
13[illegible]3.8		OM3-L		
140[illegible].7	LT	W16-111	END AVALANCHE	
160+[illegible].8	RT	D10-102	MILE 18	2 SIGNS BACK TO BACK
195+0[illegible].6	RT	D10-102	MILE 19	2 SIGNS BACK TO BACK
[illegible]3+59.2	LT	W16-112	AVALANCHE AREA	HINGED SIGN
205+42.6	RT	W16-111	END AVALANCHE	
217+32.7	RT	RL-100	TRAIL	
		D9-304	1500 FT	
217+67.6	RT	W1-2R	CURVE RIGHT	
		W13-1	45 MPH	
218+40.5	LT	W1-8R/L	CHEVRON	2 SIGNS BACK TO BACK
220+51.8	LT	W1-8R/L	CHEVRON	2 SIGNS BACK TO BACK
222+32.7	LT	W1-8R/L	CHEVRON	2 SIGNS BACK TO BACK
223+83.8	LT	W1-8R/L	CHEVRON	2 SIGNS BACK TO BACK
225+05.7	LT	W1-8R/L	CHEVRON	2 SIGNS BACK TO BACK
225+07.3	RT	W1-2L	CURVE LEFT	
		W13-1	45 MPH	
228+60.0	RT	D7-105	VICTOR TRAIL	
229+50.2	LT	OM3-L		
229+50.5	RT	OM3-R		
231+49.5	LT	OM3-R		
231+50.9	RT	OM3-L		
231+74.1	LT	I-3	VICTOR CREEK	
233+84.6	LT	D7-105	VICTOR CREEK TRAIL	
246+93.9	LT	RL-100	HIKERS	
		D9-304	1500 FT	
247+80.5	LT	W16-111	END AVALANCHE	
248+23.1	RT	W16-112	AVALANCHE AREA	HINGED SIGN
282+53.9	RT	W1-4L	WINDING CURVE	
297+36.4	RT	D10-102	MILE 21	
346+77.1	RT	D10-102	MILE 22	

STATE OF ALASKA
STATE OF ALASKA 49TH
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REGISTERED PROFESSIONAL ENGINEER

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HWY: MP17-22.5 REHABILITATION

SIGN SUMMARY

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION					
			ALASKA	0311032/Z536100000	2020	K1	K8

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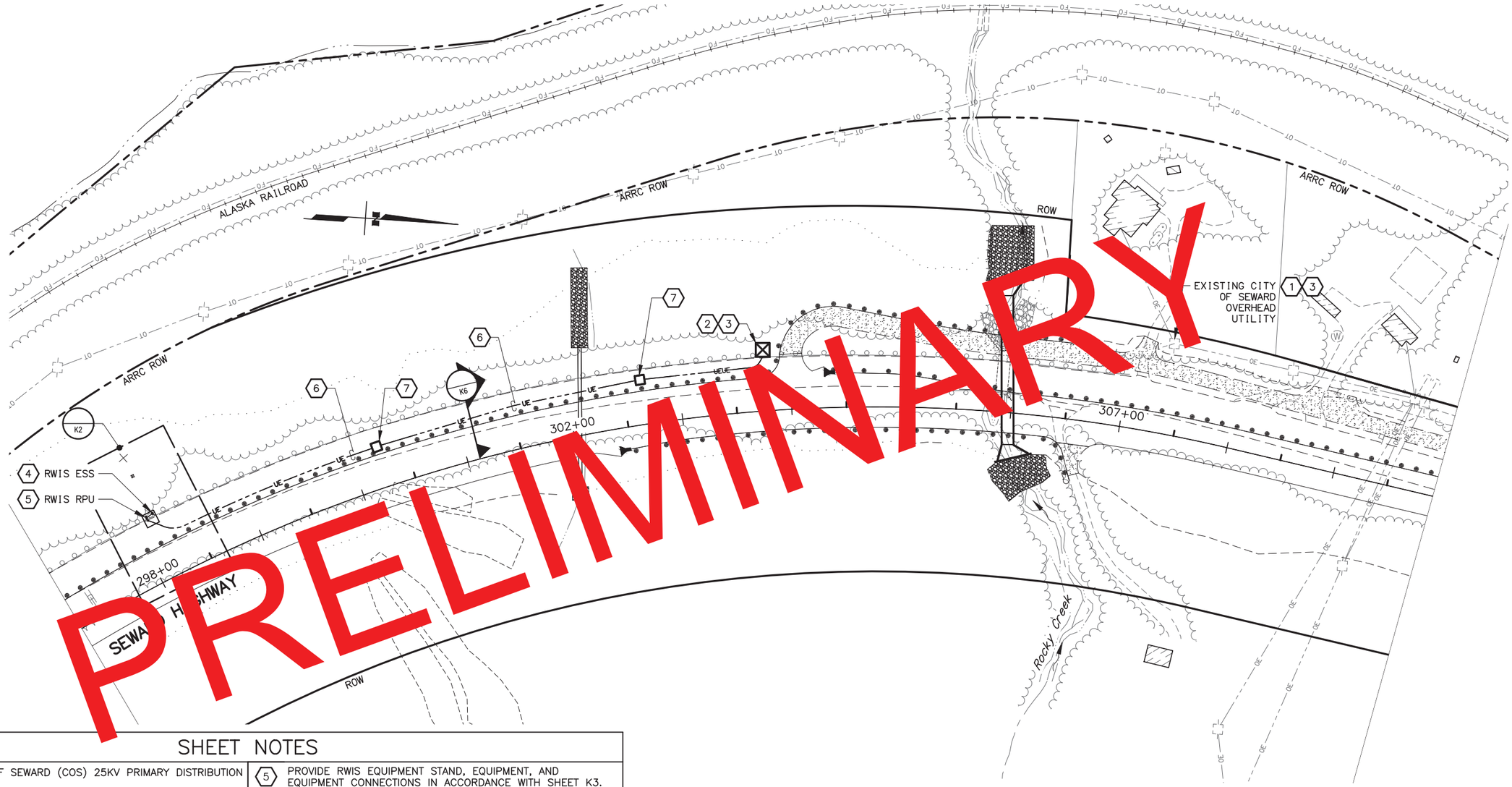

PRELIMINARY

SHEET NOTES

1. EXISTING CITY OF SEWARD (COS) 25KV PRIMARY DISTRIBUTION LINE.
2. PROVIDE A DUAL POST, TYPE 2 LOAD CENTER IN ACCORDANCE WITH SHEET K4.
3. COORDINATE WITH COS FOR A LINE EXTENSION AND ELECTRICAL SERVICE TO THE TYPE 2 LOAD CENTER PROVIDED IAW SHEET NOTE 2.
4. PROVIDE RWIS STATION ON POLE AT STA 298+20, OFF 60.5 LT IN ACCORDANCE WITH THE DETAIL DRAWINGS. CONTRACTOR SHALL VERIFY THE FINAL RWIS LOCATION WITH JIM KENNEDY, SAFETY & EMERGENCY SUPPORT SPECIALIST FOR THE SEWARD HIGHWAY, PRIOR TO CONSTRUCTING THE FOUNDATION.
5. PROVIDE RWIS EQUIPMENT STAND, EQUIPMENT, AND EQUIPMENT CONNECTIONS IN ACCORDANCE WITH SHEET K3.
6. PROVIDE 2 INCH RMC WITH 3C-#8 (XHHW-2) AND 1-#8 AWG GROUND FROM LOAD CENTER PROVIDED IN ACCORDANCE WITH SHEET NOTE 3 TO THE RWIS PROVIDED IN ACCORDANCE WITH SHEET NOTES 4 AND 5. PAYMENT FOR PROVIDING AND INSTALLING THIS ITEM IS SUBSIDIARY TO PAY ITEM 669.2011.0000.
7. PROVIDE TYPE 1A JUNCTION BOX TO FACILITATE PULLING OF THE RWIS RPU SERVICE CONDUCTORS FROM THE RWIS LOAD CENTER PROVIDED IN ACCORDANCE WITH SHEET NOTE 3. PAYMENT FOR PROVIDING AND INSTALLING THIS ITEM IS SUBSIDIARY TO PAY ITEM 669.2011.0000. REFER TO DETAILS ON SHEET K6 FOR ADDITIONAL INFORMATION.

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CERT. OF AUTH. NO. AECC342

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10TH
Kevin A. Confer
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REGISTERED PROFESSIONAL ENGINEER
CERT. EXP. NOV. 2021

AMC ENGINEERS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HIGHWAY
MP 17 - 22.5
REHABILITATION

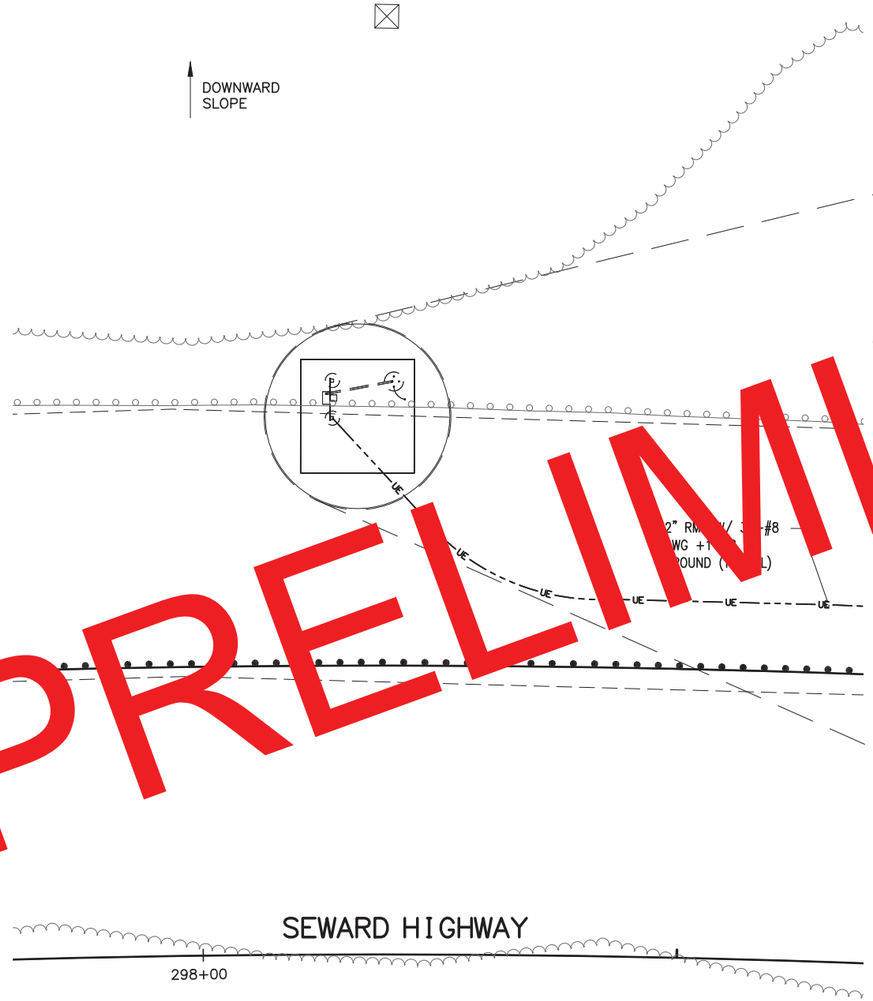
PLAN - RWIS INSTALLATION
STA 298+00 TO 307+50

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION					
			ALASKA	0311032/Z536100000	2020	K2	K8

SHEET NOTES

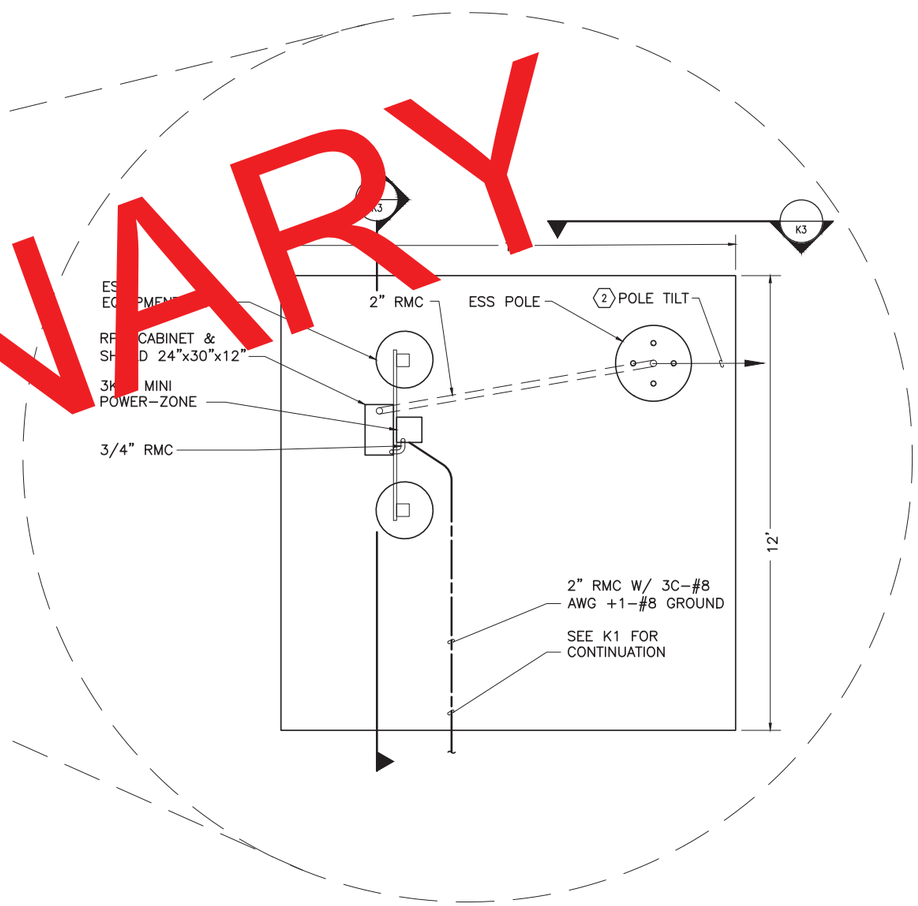
1. PROVIDE CLEARING AND GRUBBING TO FACILITATE CONSTRUCTION OF THE ESS POLE AND ADJACENT EQUIPMENT STAND. PROVIDE CLEARING AND GRUBBING AT THE THE DIRECTION OF THE PROJECT ENGINEER TO PROVIDE AN UN-OBSTRUCTED VIEW OF THE MOUNTAINSIDE BY THE CCTV CAMERA.

(2) COORDINATE POLE TILT DIRECTION WITH THE DEPARTMENT.



DETAILS – RWIS STATION

0 4' 8' 16' 24'



ENLARGED PLAN – RWIS STATION LAYOUT

0 1' 2' 4' 6'

PRELIMINARY

PLANS DEVELOPED BY:
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AMC ENGINEERS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SEWARD HIGHWAY
MP 17 – 22.5
REHABILITATION

ENLARGED PLAN – RWIS INSTALLATION

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REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	ALASKA	0311032/Z536100000	2020	K3	K8

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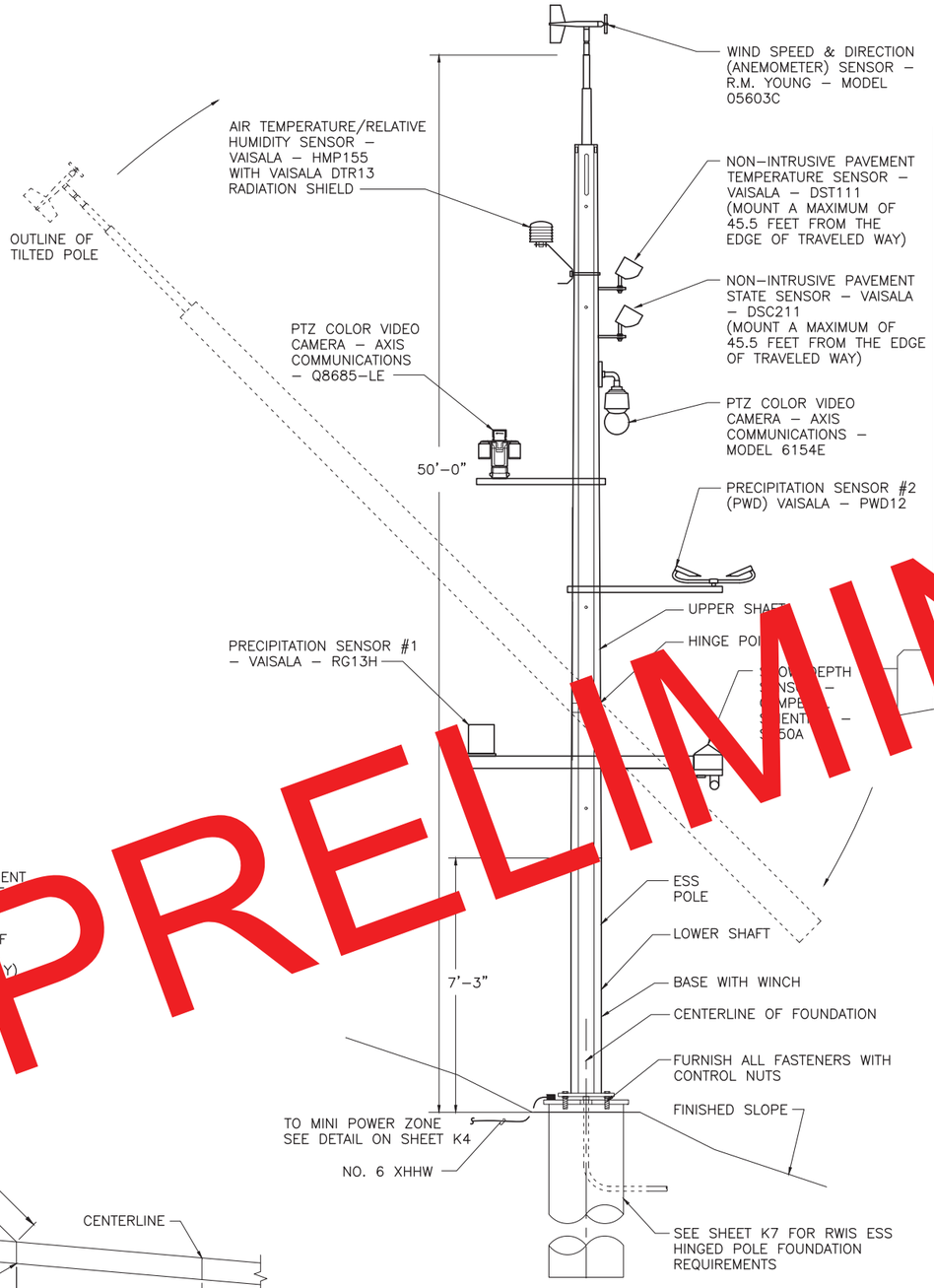
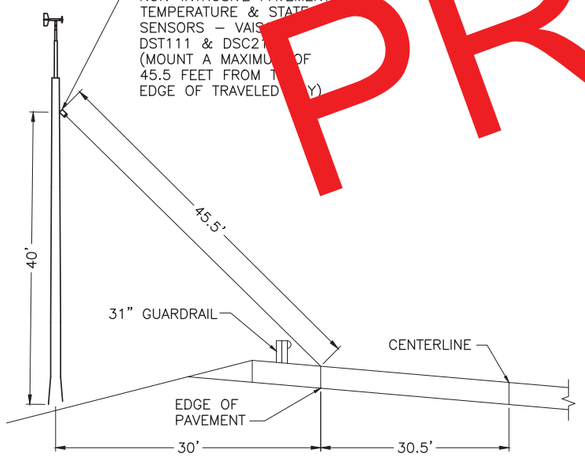
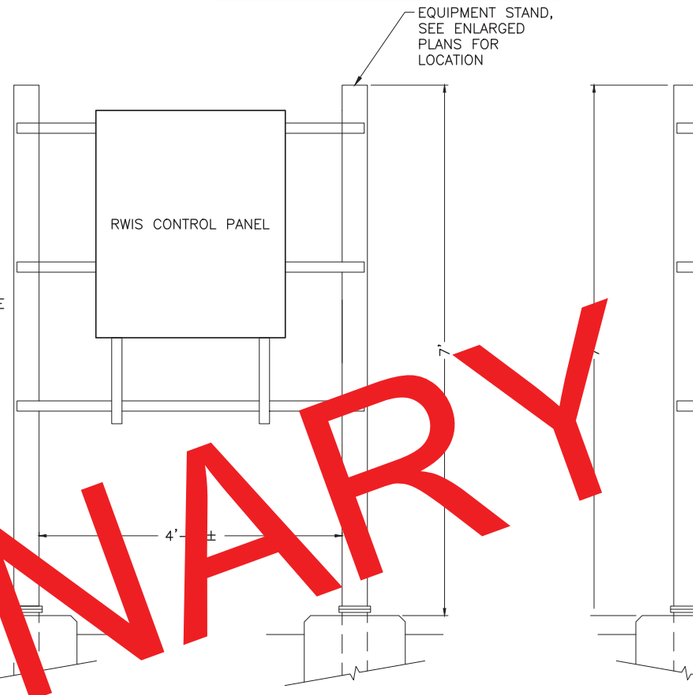


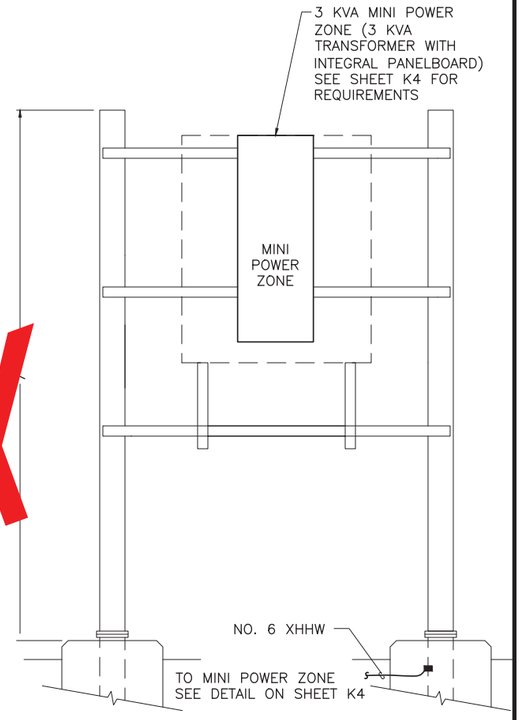
POLE ELEVATION



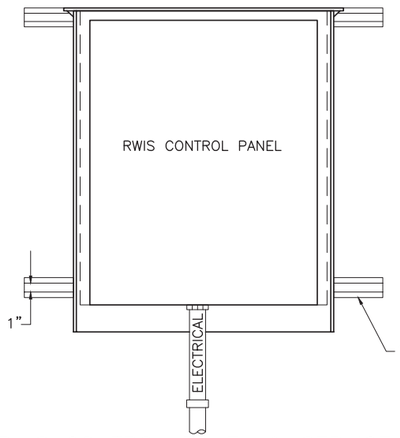
RWIS POLE OFFSET



SOUTH ELEVATION



NORTH ELEVATION



RWIS CONTROL PANEL & SERVICE (FRONT)

NOTES:

1. PROVIDE CABINET SHIELDS FOR THE CONTROL PANEL AND POWER EQUIPMENT.
2. LOCATE ALL RWIS CONTROL PANELS BEHIND GUARDRAIL OR OUTSIDE CLEAR ZONE.
3. UTILIZE RSC ABOVE GRADE AND INTO GROUND FIVE FEET, MINIMUM.
4. PRESSURE TREATED, 4"X4" POSTS FOR PANEL SUPPORTS ONLY.

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DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HIGHWAY
MP 17 – 22.5
REHABILITATION

DETAILS – RWIS AND POLE

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION					
			ALASKA	0311032/Z536100000	2020	K4	K8

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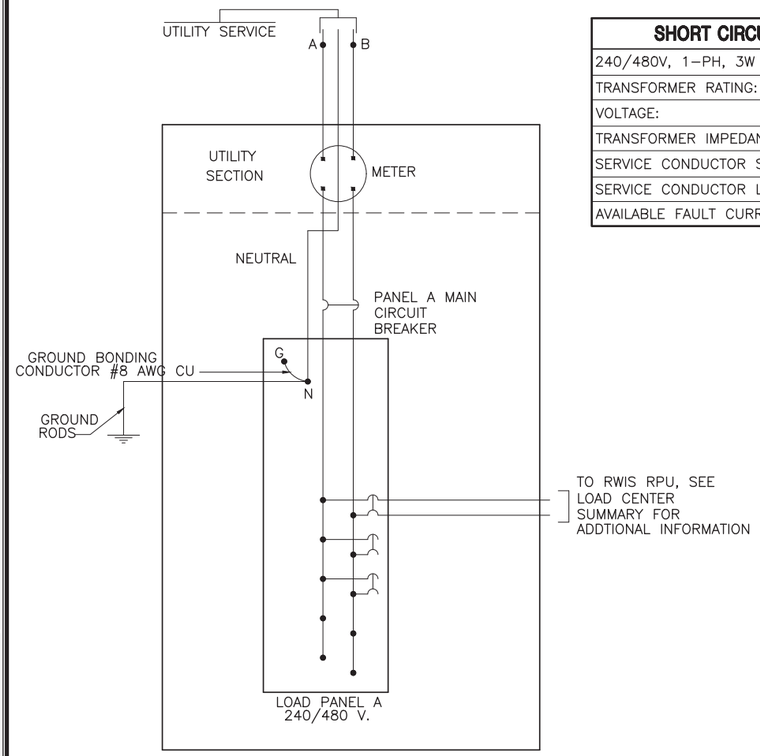


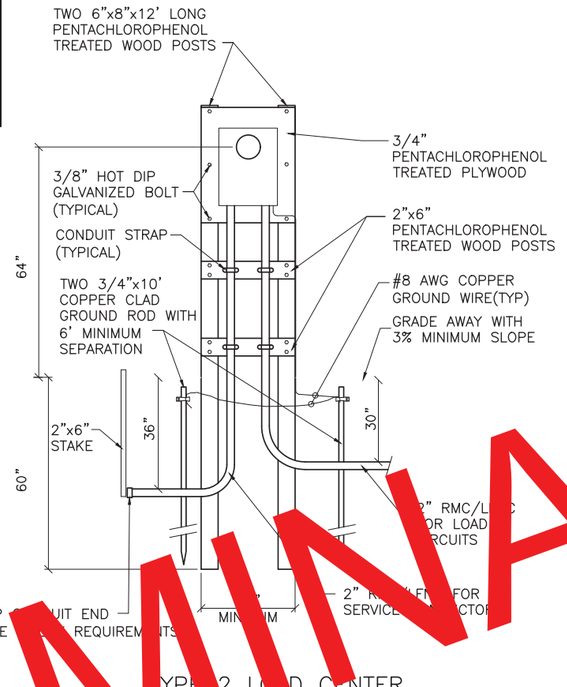
LOAD CENTER ONE LINE DIAGRAM

* GROUNDED NEUTRAL, IF SERVICE IS 240/480 VOLT SINGLE PHASE OR 277/480 VOLT THREE–PHASE; AND UNGROUNDED LINE IF SERVICE IS 120/240 VOLT SINGLE PHASE.

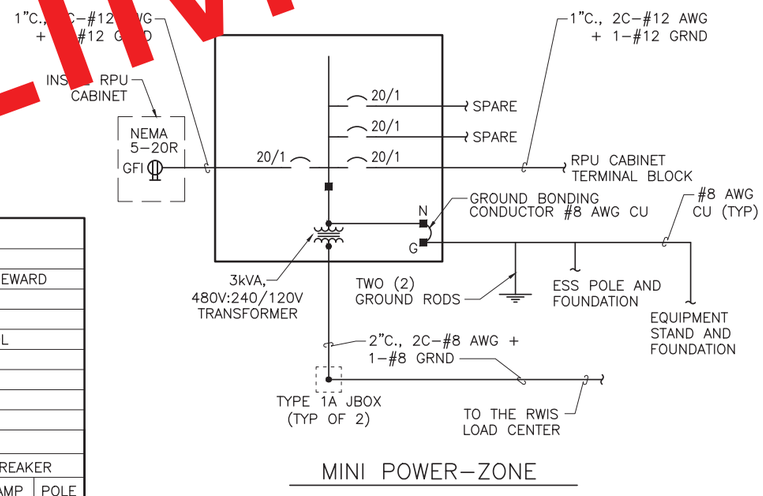
INSTALLATION NOTES:

1. ATTACH ALL CONDUITS TO THE POSTS AND POLES USING TWO HOLE RIGID METAL CONDUIT STRAPS LOCATED ON 24 INCH MAXIMUM CENTERS.
2. ATTACH ALL GROUND CONDUCTORS TO THE POSTS AND POLES USING CABLE STAPLES LOCATED ON 12 INCH CENTERS.

SHORT CIRCUIT CALCULATION	
240/480V, 1–PH, 3W CONFIGURATION	
TRANSFORMER RATING:	50KVA
VOLTAGE:	240/480V
TRANSFORMER IMPEDANCE	1.1%
SERVICE CONDUCTOR SIZE	#2 AWG
SERVICE CONDUCTOR LENGTH	25 FT
AVAILABLE FAULT CURRENT:	8,516A



TYPE 2 LOAD CENTER



MINI POWER–ZONE

LOAD CENTER "RWIS" SUMMARY, TYPE 2 INSTALLATION										
TOTAL CONNECTED LOAD: 1.00 KVA, 2.08 A @ 480V, 1–PH										
LOAD CENTER LOCATION: SEWARD HIGHWAY 303+75, 60 LT						POWER SOURCE LOCATION: CITY OF SEWARD				
SERVICE: SINGLE PHASE, 3 WIRE, 480/240 100A, WITH GROUNDED NEUTRAL						METER SOCKET REQD: YES				
LOAD	MAIN BREAKERS					TYPE 2 LOAD CENTER				
A	480 VOLT	2 POLE	100 AMPS			NO CONTACTOR CONTROL				
N/A	N/A VOLT	N/A POLE	N/A AMPS							
TRANSFORMER: NONE VOLT PRIMARY WITH N/A VOLT SECONDARY N/A KVA 60 HERTZ										
P.E. CONTROL LOCATION: NOT APPLICABLE										
PANEL MAIN BREAKER: 240 VOLT, 2 POLE, 100 AMPS										
	LOAD PANEL"A"		LOAD	BREAKER				LOAD	BREAKER	
CKT #	DESCRIPTION		KVA	AMP	POLE	CKT #	DESCRIPTION	KVA	AMP	POLE
RWIS–A–1	RWIS RPU		1.00	15	2	––	SPACE	––	––	––
––	––		––	––	––	––	––	––	––	––
RWIS–A–2	SPARE			20	2	––	SPACE	––	––	––
––	––		––	––	––	––	––	––	––	––
RWIS–A–3	SPARE			20	2	––	SPACE	––	––	––
––	––		––	––	––	––	––	––	––	––
NOTES: NONE										

WIRING NOTES:

1. FURNISH ALL EQUIPMENT NOTED IN THE LOAD CENTER SUMMARY, PLUS TWO 20–AMP 2–POLE SPARE CIRCUIT BREAKERS, AND SPACE FOR A MINIMUM OF TWO ADDITIONAL TWO–POLE CIRCUIT BREAKERS, IN EACH LOAD PANEL. SEE SUMMARIES FOR LOAD PANEL VOLTAGES, CURRENT RATINGS, SHORT CIRCUIT INTERRUPTING RATINGS, AND THE NAME OF THE SERVING UTILITY.
2. SIZE THE LOAD CENTER CABINET TO HOLD THE EQUIPMENT SHOWN IN THE WIRING DIAGRAM AND DETAILED IN EACH LOAD CENTER SUMMARY, ALLOWING SPACE FOR WIRING PER THE NATIONAL ELECTRICAL CODE. INSTALLING A METER BASE AND MAIN BREAKER IN A SEPARATE ENCLOSURE IS ALLOWABLE. HOWEVER IN THIS CASE, FURNISH A BREAKER PANEL WITH A MAIN BREAKER.
3. PROVIDE 1–POLE CIRCUIT BREAKER ON 240/480 VOLT LOAD CENTERS AND 2–POLE CIRCUIT BREAKER ON 120/240 VOLT LOAD CENTERS.
4. LABEL ALL CIRCUIT BREAKERS AS TO FUNCTION AND POSITION.
5. STORE A SCHEMATIC DIAGRAM, A CIRCUIT DIRECTORY, AND A MATERIALS LIST INCLUDING THE MANUFACTURERS' NAMES AND PART/CATALOG NUMBERS, ALL LAMINATED IN PLASTIC, IN A METAL POCKET ATTACHED TO THE INSIDE OF THE LOAD CENTER.

INSTALLATION NOTES:

1. SET THE BOTTOM END OF TYPE 2 LOAD CENTER POLES TO THE FOLLOWING MINIMUM DEPTH:
   A. 10 PERCENT OF ITS LENGTH PLUS 24 INCHES, OR 60 INCHES, WHICHEVER IS GREATER, IF IT IS INSTALLED IN EARTH OTHER THAN SOLID ROCK OR MUSKEG.
   10 PERCENT OF ITS LENGTH, OR 48 INCHES, WHICHEVER IS GREATER, IF IT IS INSTALLED IN SOLID ROCK.
2. ATTACH ALL CONDUITS TO THE POSTS AND POLES USING TWO HOLE RIGID METAL CONDUIT STRAPS LOCATED ON 24 INCHES MAXIMUM CENTERS.
3. ATTACH ALL GROUND CONDUCTORS TO THE POSTS AND POLES USING CABLE STAPLES LOCATED ON 12 INCH CENTERS. MAKE ALL GROUNDING CONDUCTORS CONTINUOUS. USE #8 AWG GROUND WIRE FOR 100 AMP SERVICE.
4. PROVIDE ARC FLASH WARNING LABELS ON THE LOAD CENTER AND THE RWIS ELECTRICAL BRAND CIRCUIT PANEL IN ACCORDANCE WITH NEC REQUIREMENTS AND SHEET K7.
5. INSTRUCT CONTRACTOR TO INSTALL ARC FLASH WARNING LABEL.

UTILITY REQUIREMENTS:

1. PROVIDE LOAD CENTER AND LOAD CENTER EQUIPMENT THAT MEETS ALL THE REQUIREMENTS OF THE CITY OF SEWARD ELECTRIC UTILITY.
2. THE LENGTH AND TYPE OF SERVICE ENTRANCE CONDUIT INSTALLED BY THE CONTRACTOR VARIES BY UTILITY. REGARDLESS OF ITS LENGTH, INSTALL A PULL ROPE IN THE SERVICE CONDUIT AND A CAP ON THE BURIED END; MARK THE BURIED END WITH A 2"x6" STAKE. SEE THE LOAD CENTER SUMMARIES FOR THE FOLLOWING INFORMATION.
   A. STATION AND OFFSET OF THE LOAD CENTER AND POWER SOURCE.
   B. WHERE THE CONTRACTOR TERMINATES THE SERVICE ENTRANCE CONDUIT.
   C. THE TYPE OF SERVICE ENTRANCE CONDUIT (SUCH AS RIGID METAL CONDUIT OR LIQUID–TIGHT FLEXIBLE METAL CONDUIT).
   D. THE MAXIMUM AND MINIMUM DISTANCES ALLOWED BETWEEN THE TYPE–2 LOAD CENTER AND UTILITY POLE TO WHICH THE BURIED DROP IS CONNECTED.

MINI POWER–ZONE BASIS OF DESIGN REQUIREMENTS:

1. PROVIDE NEMA 3R, 3KVA, 480:240/120V, 1ø, 3W, STEP DOWN TRANSFORMER WITH INTEGRAL 10 SINGLE POLE SPACE ELECTRICAL PANEL RATED FOR 10K A.I.C. 10 AMP TRANSFORMER PRIMARY CIRCUIT BREAKER WITH 20A TRANSFORMER SECONDARY CIRCUIT BREAKER. SUITABLE FOR USE WITH BOLT ON CIRCUIT BREAKERS. BASIS OF DESIGN, SQUARE D MPZB3S40F OR APPROVED EQUAL.

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AMC ENGINEERS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

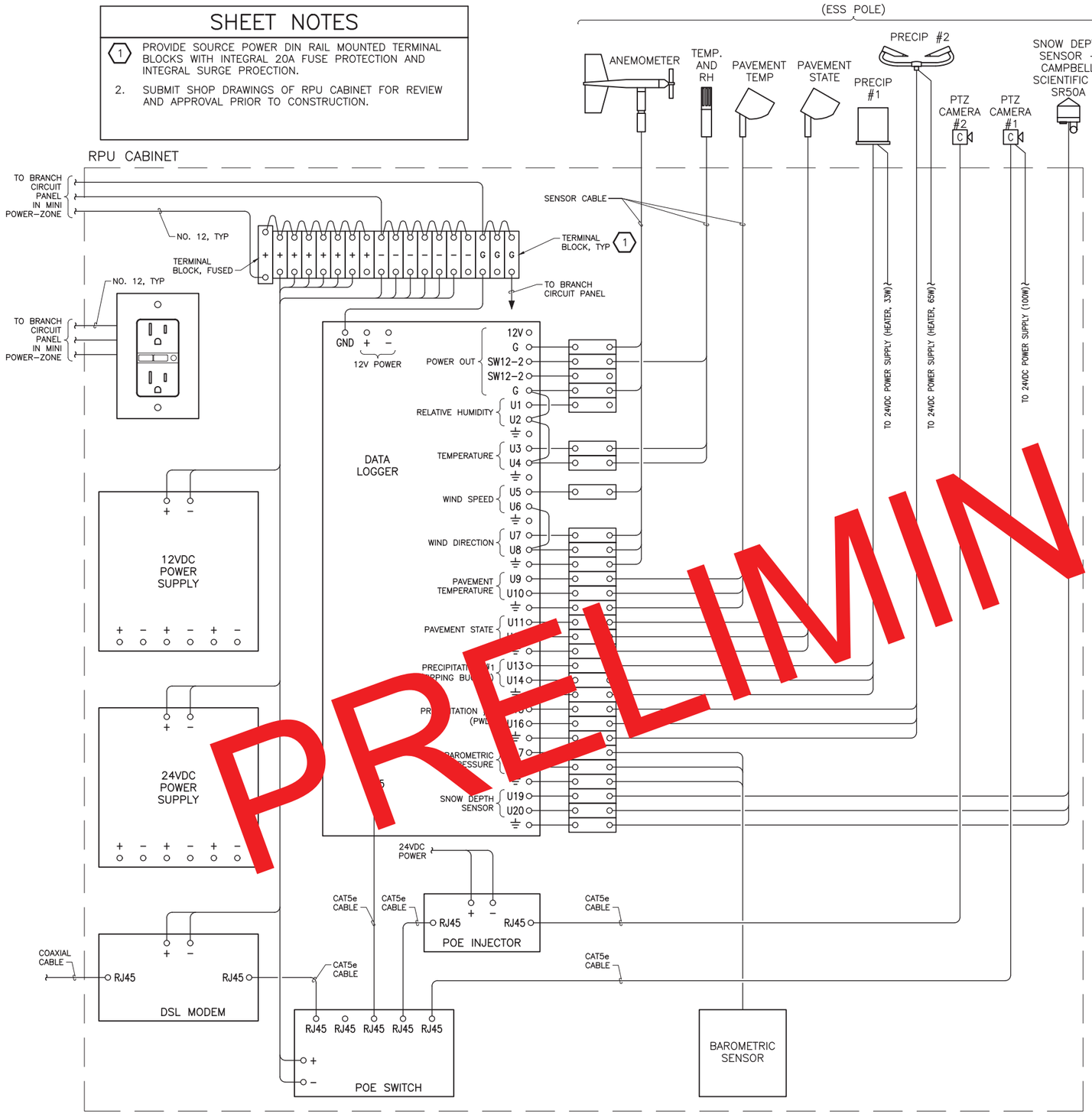
SEWARD HIGHWAY
MP 17 – 22.5
REHABILITATION

DETAILS – RWIS LOAD CENTER

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	ALASKA	0311032/Z536100000	2020	K5	K8

SHEET NOTES

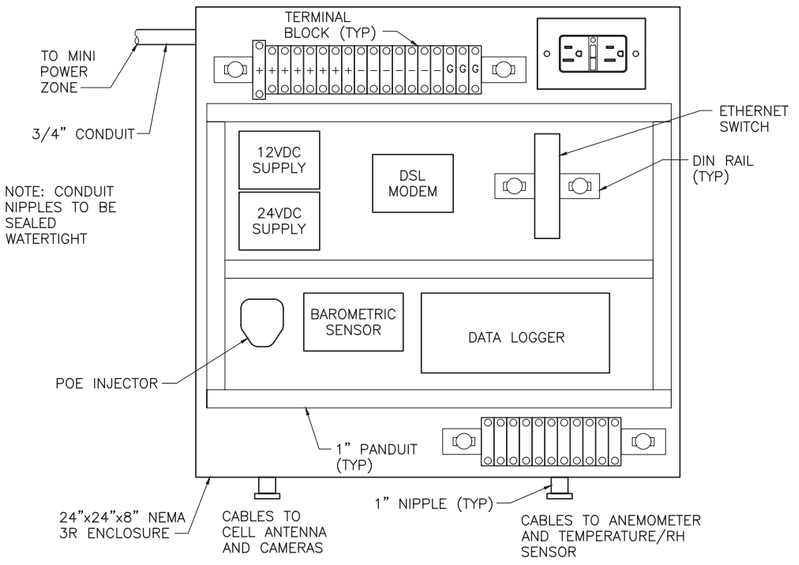
1. PROVIDE SOURCE POWER DIN RAIL MOUNTED TERMINAL BLOCKS WITH INTEGRAL 20A FUSE PROTECTION AND INTEGRAL SURGE PROECTION.
2. SUBMIT SHOP DRAWINGS OF RPU CABINET FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.



WIRING DIAGRAM – RPU CABINET EQUIPMENT AND CONNECTIONS

EQUIPMENT SCHEDULE (BASIS OF DESIGN)

ITEM	MANUFACTURER/MODEL	QUANTITY
REMOTE PROCESSING UNIT	VAISALA RWS200	1
12VDC POWER SUPPLY	WEIDMULLER PRO ECO 120W 12V 10A	1
24VDC POWER SUPPLY	WEIDMULLER PRO ECO 480W 24V 20A	1
DATA LOGGER	VAISALA DMU703	1
ANEMOMETER	R.M. YOUNG MODEL 05603C	1
TEMPERATURE/RH SENSOR	VAISALA HMP155	1
TEMPERATURE/RH SENSOR RADIATION SHIELD	VAISALA DTR13	1
DSL MODEM	PROVIDED BY TELALASKA	1
DATA LOGGER CABINET ENCLOSURE	HOFFMAN A24R248HCR	1
PTZ COLOR VIDEO CAMERA #1	AXIS Q8685–LE	1
PTZ COLOR VIDEO CAMERA #2	AXIS Q6154–E	1
POE INJECTOR	MOBOTIX NPA–POE	1
ETHERNET SWITCH	CTC UNION IFS–500–E	1
RPU CABINET [illegible]ONAL TER[illegible]L BLOCKS [illegible]D)	SCHNEIDER LINERGY TR NYSTRV42SF5	1
RPU CABINET [illegible]CTIONAL TER[illegible]L BLOCKS	SCHNEIDER LINERGY TR NYSTRV352	21
RPU CABINET [illegible]TIONAL T[illegible]NAL BLOCKS (GR[illegible]DING)	SCHNEIDER LINERGY TR NYSTRV352PE	3
[illegible] DEPTH S[illegible]	CAMPBELL SCIENTIFIC SR50A	1
NON–[illegible]TRUSIVE P[illegible]EMENT TEMP[illegible]URE SENSOR	VAISALA DST111	1
NON–IN[illegible]SIVE PA[illegible]MENT STATE SENSOR	VAISALA DSC211	1
[illegible]METR[illegible]SENSO[illegible]	VAISALA PTB110	1
PRECIPITATION [illegible]NSOR #1 (TIPPING BUCKET)	VAISALA RG13H	1
PRECIPITATION SENSOR #2 (PRESENT WEATHER DETECTOR)	VAISALA PWD12	1



DETAIL – RPU CABINET

PLANS DEVELOPED BY:
AMC ENGINEERS
701 EAST TUDOR ROAD
ANCHORAGE, AK 99503
(907) 257–9100
CERT. OF AUTH. NO. AECC342

AMC ENGINEERS

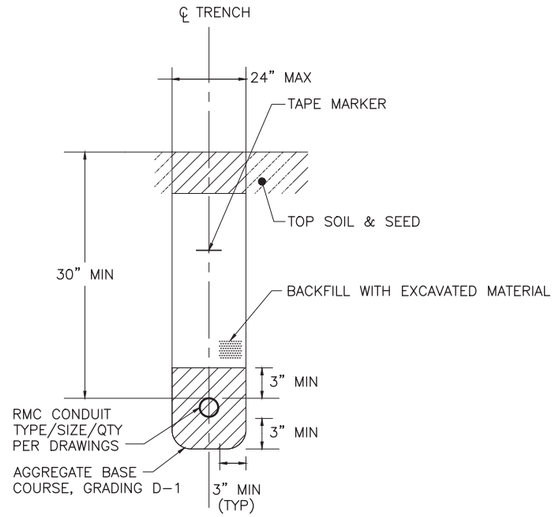
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HIGHWAY
MP 17 – 22.5
REHABILITATION

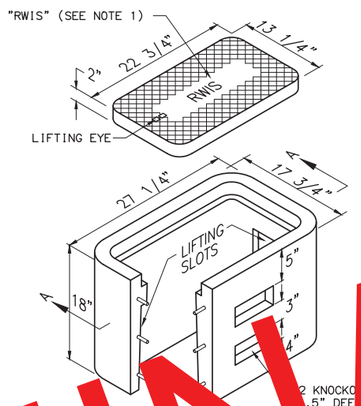
DETAILS – RWIS EQUIPMENT

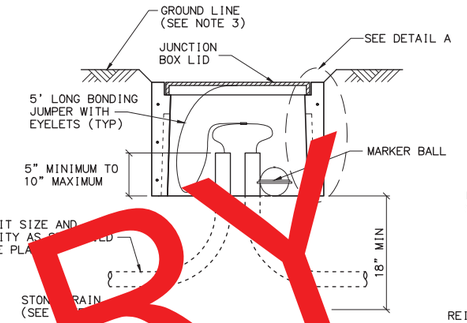
DESIGNED BY
CHECKED BY
DRAFTED BY
XREFS
SCALE
LAYOUT 16811 – K5
DATE TIME 11/23/2020 2:52 PM
DRAWING LOCATION X:\16811 DOTSEWARD\Dwgs\Edwg\Sheet Files\16811 – K5.dwg

REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION					
			ALASKA	0311032/Z536100000	2020	K6	K8

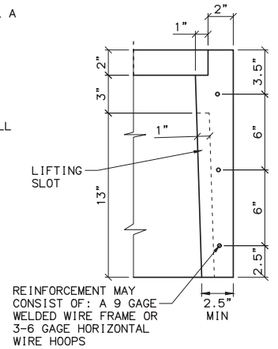


DETAIL – TYPICAL TRENCH





SECTION A–A



DETAIL A

NOTES:

1. FURNISH LIDS WITH THE WORD "RWIS" INSCRIBED INTO THEM.
2. UNDER JUNCTION BOXES, INSTALL STONE DRAINS THAT CONSIST OF POROUS BACKFILL MATERIAL CONFORMING TO SUBSECTION 703–2.10.
3. SET THE TOPS OF JUNCTION BOXES WITH THE FOLLOWING DIMENSIONS BELOW THE FINISHED SURROUNDING SURFACE:
   - 1" IN PAVED MEDIANS AND ADJACENT TO PEDESTRIAN FACILITIES
   - 1/4" IN PEDESTRIAN FACILITIES
   - 2" IN ALL OTHER AREAS
4. BOND JUNCTION BOX LIDS TO THE SYSTEM OF EQUIPMENT GROUNDING CONDUCTORS ACCORDING TO SUBSECTION 660–3.06. ATTACH BONDING JUMPERS TO THE JUNCTION BOX LIDS WITH BRASS OR STAINLESS STEEL HARDWARE.
5. INSTALL AN ELECTRONIC MARKER BALL IN ALL JUNCTION BOXES PER SUBSECTION 660–3.04.
6. PRIOR TO INSTALLATION MARK ALL JUNCTION BOX LOCATIONS WITH A WIRE STAFF VINYL FLAG. THE FLAG SHALL BE RED IN COLOR AND MINIMUM 4–INCHES TALL BY 5–INCHES WIDE. THE WIRE STAFF SHALL BE 21–INCHES IN LENGTH AND CONSTRUCTED OF MINIMUM 15.5 GAUGE STEEL.

TYPE IA JUNCTION BOX

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&

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(907) 522–1707
CERT. OF AUTH. NO. AECC111

STATE OF ALASKA – 10TH – Mark Frutiger – No. CE 11889 – REGISTERED PROFESSIONAL ENGINEER – CERT SEAL JUNE 2020

R&M CONSULTANTS

STATE OF ALASKA – 10TH – Nicole A. Confer – EE 11391 – REGISTERED PROFESSIONAL ENGINEER – CERT SEAL JUNE 2020

AMC ENGINEERS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HIGHWAY
MP 17 - 22.5
REHABILITATION

DETAILS - RWIS
MISCELLANEOUS

DESIGNED BY
CHECKED BY
DRAFTED BY

XREFS

SCALE

LAYOUT 16811 - K6

DATE TIME 11/23/2020 2:52 PM

DRAWING LOCATION
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REVISIONS			STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION					
			ALASKA	0311032/Z536100000	2020	K7	K8

DESIGNED BY
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LAYOUT 16811 – K7
DATE TIME 11/23/2020 2:52 PM
DRAWING LOCATION X:\16811 DOTSEWARD\Dwgs\Edwg\Sheet Files\16811 – K7.dwg

FLAG LEGEND COLOR, BLACK

FLAG BACKGROUND COLOR, HAZARD ORANGE

WARNING

ARC FLASH AND SHOCK HAZARD PRESENT

APPROPRIATE PPE REQUIRED

Arc Flash Boundary	8.5 Ft
Incident Energy in cal/cm²	19.1
Working Distance	18 In
Shock Hazard Exposure	480 VAC
Insulating Gloves Class	00
Shock Hazard When Cover Removed	
Limited Approach Boundary	3.5 Ft
Restricted Approach Boundary	1 Ft
Load Center RWIS	

Level 3

Minimum PPE Requirements

Arc-rated clothing selected so that the system arc rating meets the required minimum arc rating of 25 cal/cm²

Calculated available fault current: 8,520 A

Calculation Performed 11/20/2020

4"

6"

SEE NOTE 1

SEE NOTE 2

WATERMARK IS OPTIONAL. WATERMARK COLOR, GRAY

MAIN BACKGROUND COLOR, WHITE

SEE NOTE 3

STATIC LEGEND COLOR, BLACK

FILL IN CALCULATION VALUES AS NOTED WITH LEGEND TEXT. VALUE AND NOTE LEGEND COLOR, BLACK

PRELIMINARY

WARNING

ARC FLASH AND SHOCK HAZARD PRESENT

APPROPRIATE PPE REQUIRED

Arc Flash Boundary	0.7 Ft
Incident Energy in cal/cm²	0.4
Working Distance	18 In
Shock Hazard Exposure	480 VAC
Insulating Gloves Class	00
Shock Hazard When Cover Removed	
Limited Approach Boundary	3.5 Ft
Restricted Approach Boundary	1 Ft
RWIS MINI POWER ZONE	

Level 1

Minimum PPE Requirements

Arc-rated clothing, minimum arc rating of 4 cal/cm²

Calculated available fault current: 249 A

Calculation Performed 11/20/2020

NOTES:

1. APPLICABLE STATE OF ALASKA DOT&PF ELECTRICAL EQUIPMENT MUST BE LABELED WITH DOT&PF–DEFINED SITE–SPECIFIC PPE LEVELS, AS DEFINED IN NFPA 70E 130.5(H)(3)(c). THE LEVELS ARE: LEVEL 1 (0 TO 4 CAL/CM²), 2 (4.1 TO 8.0 CAL/CM²), 3 (8.1 TO 25.0 CAL/CM²), 4 (25.1 TO 39.9 CAL/CM²), OR WP (WORK PROHIBITED, FOR EQUIPMENT IN WHICH THE CALCULATED ARC FLASH INCIDENT ENERGY IS ≥ 40 CAL/CM²).
2. MINIMUM PPE REQUIREMENTS FOR EACH PPE LEVEL DESCRIBED IN NOTE 1 ARE THE SAME REQUIREMENTS AS DESCRIBED IN NFPA 70E TABLE 130.7(C)(15)(c). THESE PPE REQUIREMENTS ARE TO BE USED AS THE SITE–SPECIFIC PPE LEVELS.
3. PROVIDE DESCRIPTION OF EQUIPMENT CONFIGURATIONS IN WHICH A HAZARD EXISTS. FOR EXAMPLE "WHEN COVER REMOVED."

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CERT. SEAL NOV. 2020

AMC ENGINEERS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HIGHWAY
MP 17 – 22.5
REHABILITATION

DETAILS – ARC FLASH LABELS

REVISIONS		
NO.	DATE	DESCRIPTION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	311032/Z536100000	2020	K7	K7

DESIGNED BY MF
CHECKED BY HRA
DRAFTED BY RDG

SCALE VARIES

LAYOUT K7

DATE TIME 6/16/2020 8:51 AM

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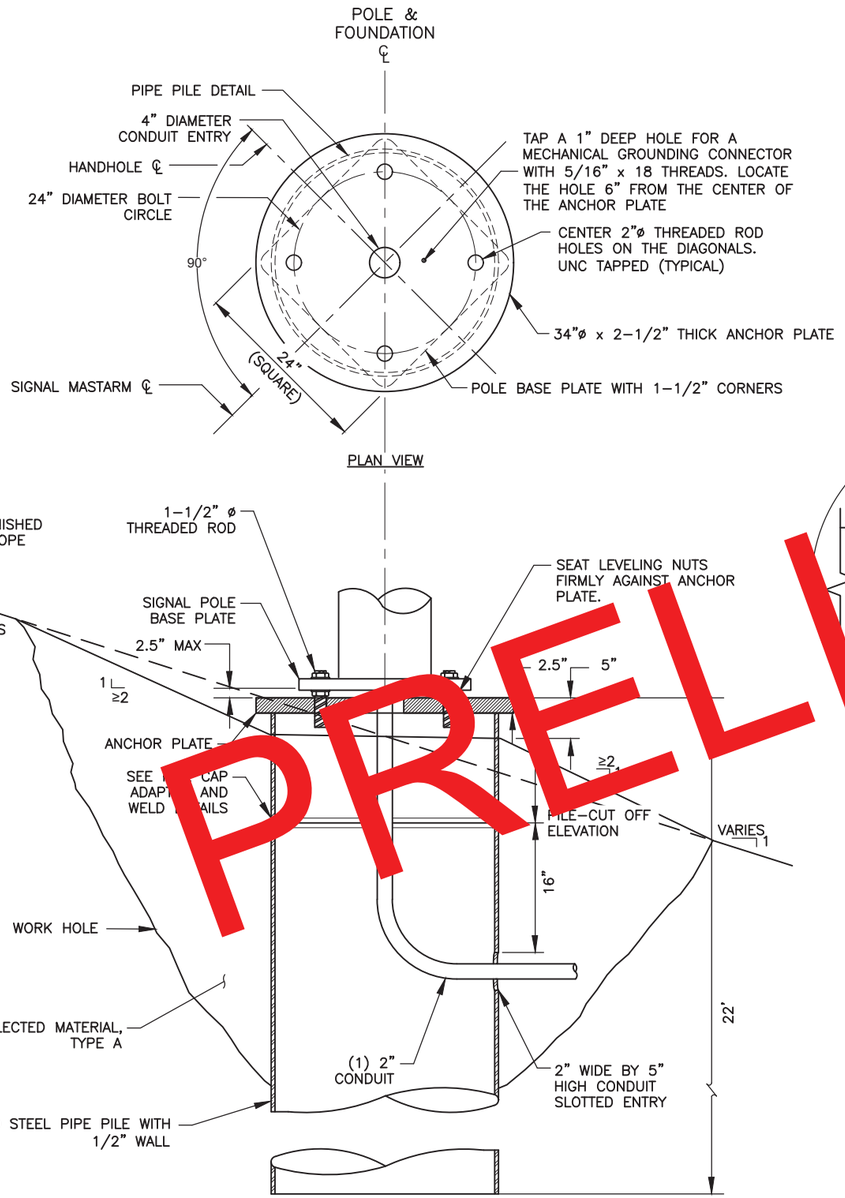
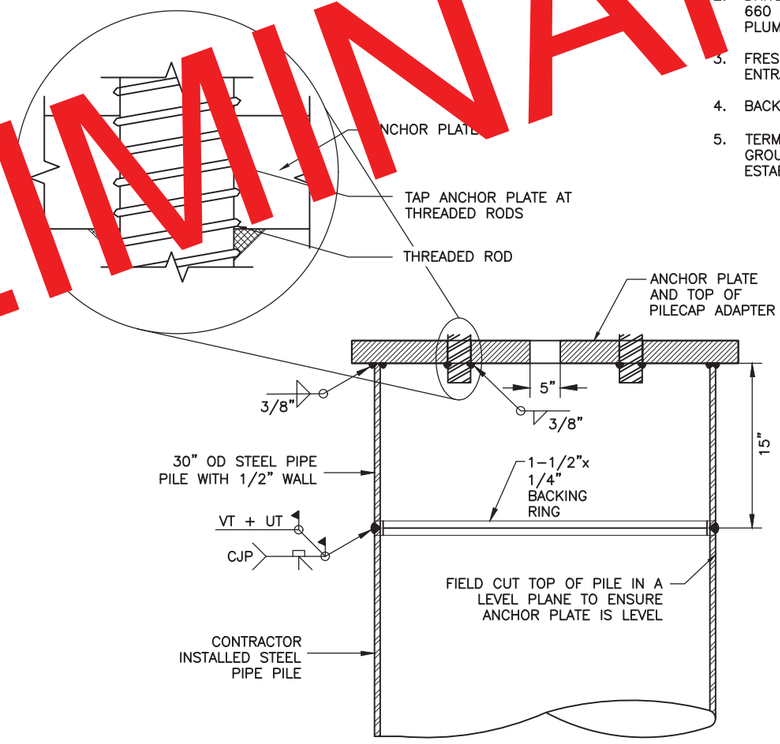


PIPE PILE FOUNDATION

NTS



PILECAP ADAPTER AND WELD DETAIL

NTS

DESIGN NOTES:

1. DESIGN STANDARD 2013 STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 6TH EDITION.
2. GALVANIZE PILE AND PILE CAP ADAPTER ACCORDING TO SECTION 505.
3. CONSTRUCTION STANDARD: STATE OF ALASKA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2020 ENGLISH EDITION WITH SPECIAL PROVISIONS.
4. FABRICATION OF THE PILE CAP ADAPTER, ANCHOR PLATE AND THREADED ROD ASSEMBLY SHALL BE PERFORMED BY AN AISC CERTIFIED FABRICATOR.

MATERIAL REQUIREMENTS		
STRUCTURAL STEEL PLATE	ASTM A572 GRADE 50	Fy = 50 KSI
STEEL PIPE PILE	ASTM A709 GRADE 50 T3	Fy = 50 KSI
	API 5L GRADE X42	Fy = 42 KSI
THREADED ROD	ASTM A572 GRADE 50	Fy = 50 KSI

NOTES:

1. FURNISH STEEL PIPE PILES THAT CONFORM TO THE MATERIAL REQUIREMENTS AND SECTION 660, 715 AND 740 OF THE SPECIFICATIONS.
2. DRIVE PILES OPEN ENDED. COMPLETE PILE WORK ACCORDING TO SECTIONS 505, 660 AND 715 OF THE SPECIFICATIONS. REMOVE AND REINSTALL PILES OUT OF PLUMB MORE THAN 1:40.
3. FRESH HEAD THE TOP OF PILES IN A LEVEL PLANE AND CUT THE CONDUIT ENTRANCE HOLE AFTER DRIVING THE PILE.
4. BACKFILL AND COMPACT THE WORK HOLE BEFORE ERECTING THE RWIS POLE.
5. TERMINATE CONDUIT(S) 3" ABOVE THE TOP OF THE ANCHOR PLATE. INSTALL A GROUNDING BUSHING ON THE END OF THE RIGID METAL CONDUIT AND ESTABLISH A BOND WITH THE ANCHOR PLATE.

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49TH
Melody Judge
No. AE 13889
REGISTERED PROFESSIONAL ENGINEER
CERTIFICATE EXPIRES JUNE 2020

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CERT. OF AUTH. NO. AECC111

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

SEWARD HIGHWAY MP 17-22.5 REHABILITATION

RWIS POLE FOUNDATION DETAILS

REVISIONS		
NO.	DATE	DESCRIPTION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	L1	L3

DESIGNED BY ZDK
CHECKED BY RRH
DRAFTED BY ZDK

XREFS: XR-53610-Border-Detail

SCALE 1"= 10'/1"= 1'

LAYOUT L1

DATE TIME 12/17/2020 11:22 AM

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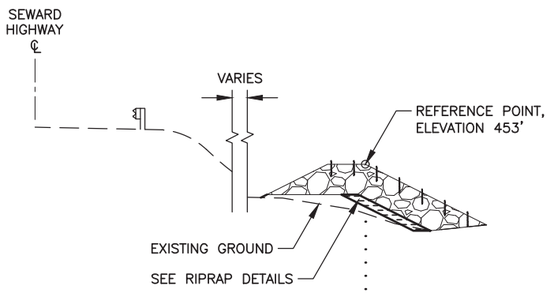
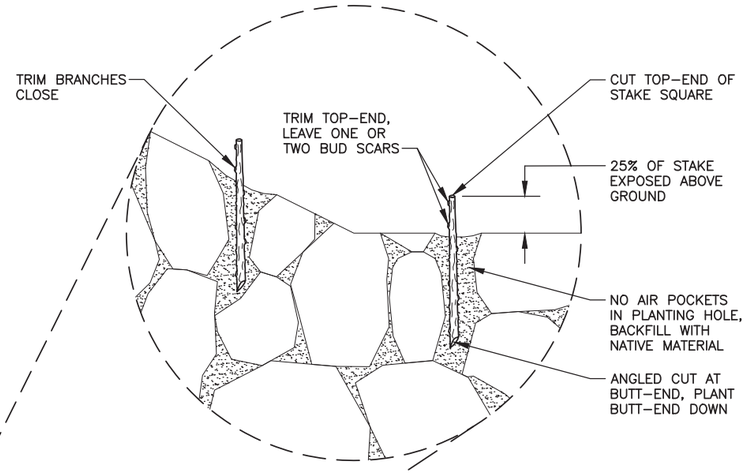
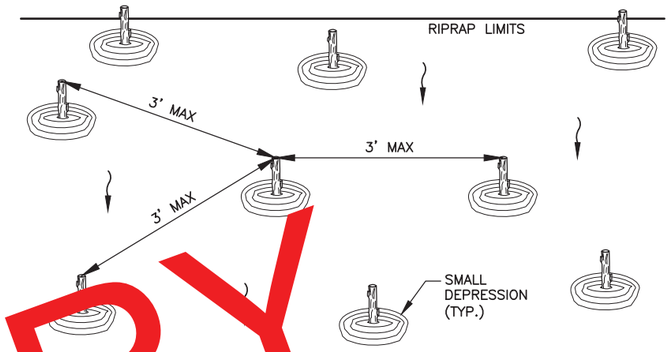


REFERENCE PT 2 TO 3

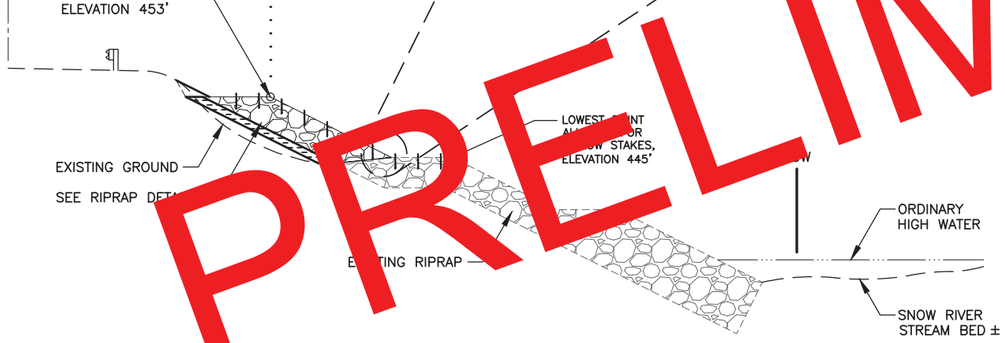
SEE SNOW RIVER RIPRAP DETAILS



WILLOW STAKE DETAIL

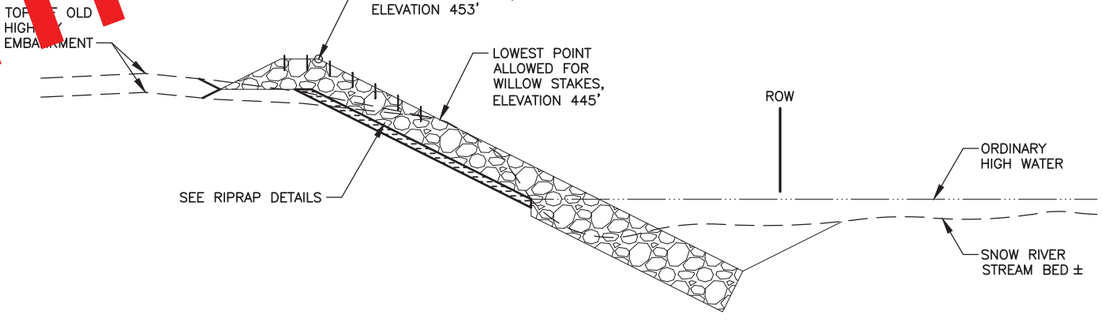


STAKING PATTERN



REFERENCE PT 1 TO 2

SEE SNOW RIVER RIPRAP DETAILS



REFERENCE PT 3 TO 7

SEE SNOW RIVER RIPRAP DETAILS

NOTES:

1. DO NOT PLANT WILLOW STAKES BELOW ELEVATION 445'.
2. CREATE A SHALLOW DEPRESSION IN THE SOIL AROUND THE WILLOW STAKES TO ALLOW FOR WATER COLLECTION.
3. DO NOT PLACE WILLOW STAKE ENDS BUTTING UP AGAINST RIPRAP BELOW.
4. * ELEVATION VARIES FROM REFERENCE POINT 6 TO 7. SEE RIPRAP DETAILS.

STATE OF ALASKA DOT&PF
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STATE OF ALASKA
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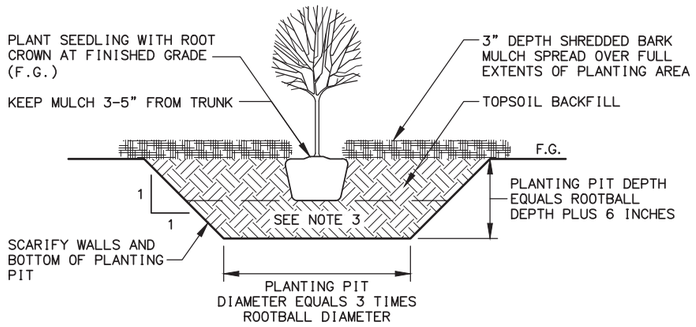
SEWARD HIGHWAY
MP 17-22.5 REHABILITATION

WILLOW STAKE DETAILS



SEEDLING PLANTING

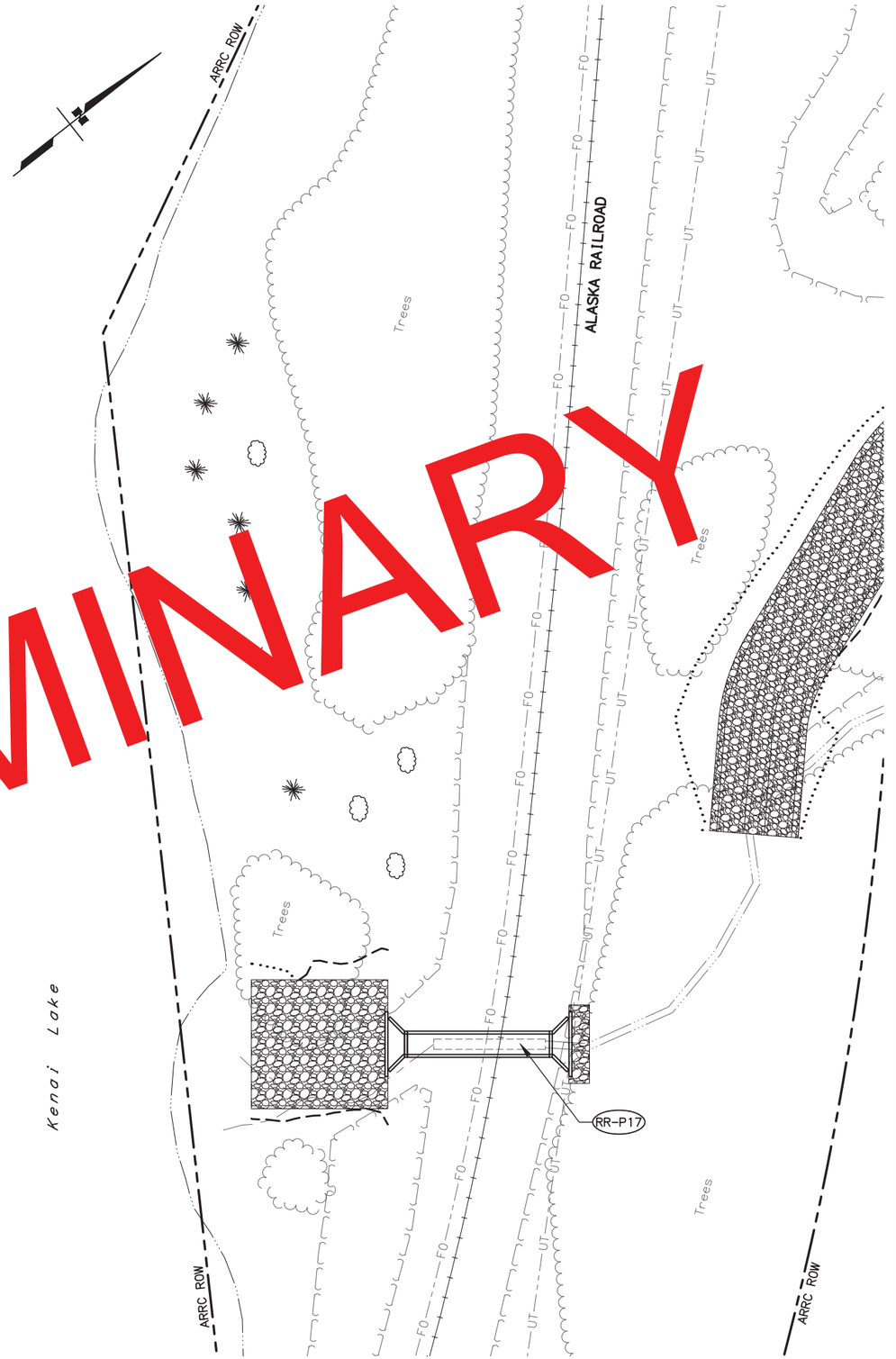
SEEDLING PLANTING SCHEDULE

SYMBOL	COMMON NAME	SCIENTIFIC NAME	PLANTING AREA QUANTITIES A	B	C	SPACING, O.C. (FT)
✳	WHITE SPRUCE	PICEA GLAUCA	7		9	20.0 ±0.5
◌	PAPER BIRCH	BETULA PAPYRIFERA	4	9	12	
		TOTAL:	11	18	21	
PAY ITEM QUANTITY:				0		

PRELIMINARY

NOTES

1. PLANT SEEDLINGS WITHIN THE AREAS SHOWN. TREE PLACEMENT MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.
2. DO NOT PLANT SEEDLINGS WITHIN RIPRAP.
3. TAMP SOIL BELOW ROOT BALL FIRMLY WITH FOOT PRESSURE TO PREVENT SETTLEMENT. WATER SOIL AS NECESSARY.
4. REMOVE ANY POTS, TWINE, OR WIRE FROM ROOT BALL PRIOR TO PLANTING.
5. PLANT AREAS "B" AND "C" AFTER THE REMOVAL OF THE VICTOR CREEK AND ROCKY CREEK TEMPORARY DETOURS, RESPECTIVELY.
6. MINIMUM TREE SPACING IS TO BE MAINTAINED FROM EXISTING AND PROPOSED TREES. DO NOT DISTURB AN EXISTING TREE TO PLANT A NEW ONE.



AREA "A"

SHEET NO.	TOTAL SHEETS
L2	L3
STATE	YEAR
ALASKA	2021

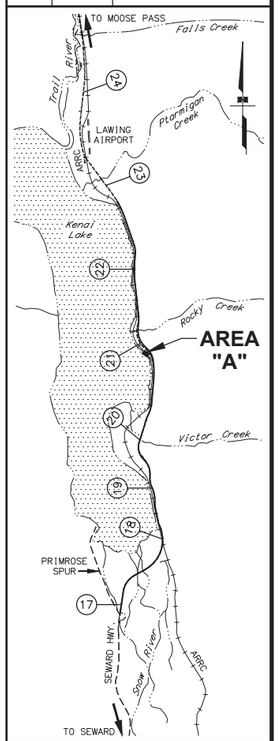
PROJECT DESIGNATION
0311032/Z536100000

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



PLANS DEVELOPED BY:
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STATE OF ALASKA
RYAN R. RUMMEL
REGISTERED PROFESSIONAL ENGINEER
CERTIFICATE NOT SET

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HIGHWAY
MP 17-22.5
REHABILITATION

SEEDLING PLANT AREAS

DESIGNED BY: ZDK
CHECKED BY: RRH
DRAFTED BY: ZDK

XREFS: XR-53610_Border_PrntP
XR-53610_Design_XR-53610_Base
XR-53610_ROW

SCALE: 1" = 1'/1"= 20'

LAYOUT: L2

DATE TIME: 4/13/2021 6:14 PM

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DESIGNED BY ZDK
CHECKED BY RRH
DRAFTED BY ZDK

XREFS: XR-53610-Border_PrintP
XR-53610_Design_XR-53610_Base
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SCALE 1"= 20'

LAYOUT L3

DATE TIME 4/13/2021 6:14 PM

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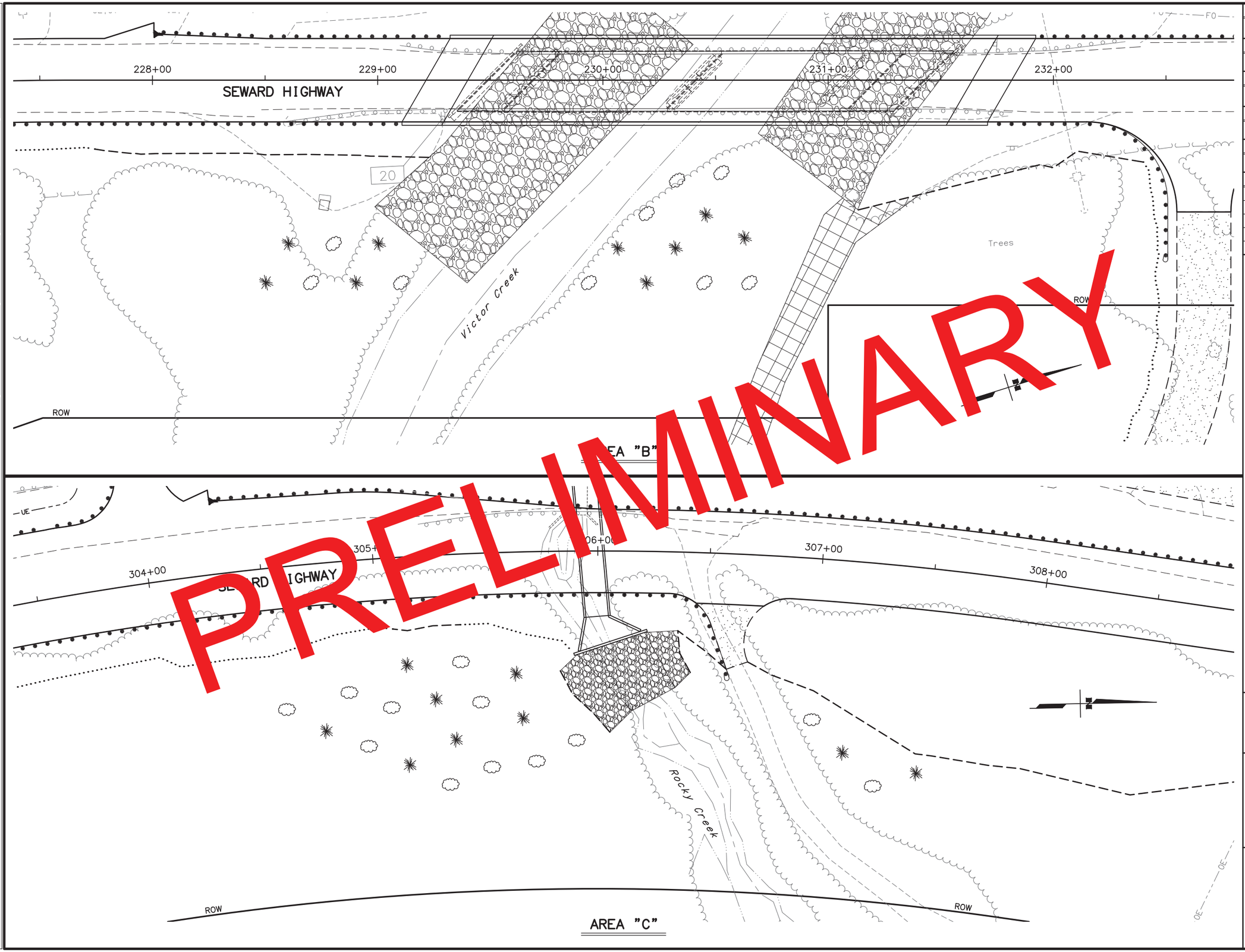


SHEET NO.	TOTAL SHEETS
L3	L3
STATE	YEAR
ALASKA	2021

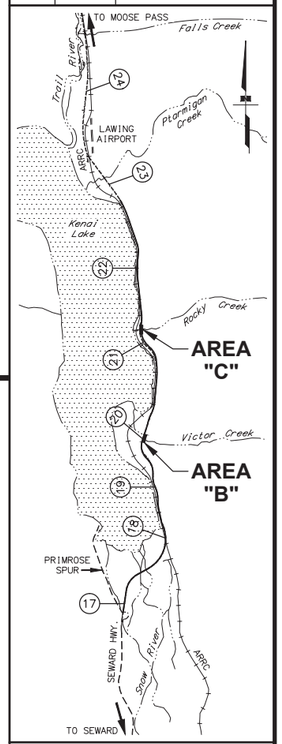
PROJECT DESIGNATION
0311032/Z536100000

ADDENDUM NO.

ATTACHMENT NO.

REVISIONS

NO.	DATE	DESCRIPTION



PLANS DEVELOPED BY:
STATE OF ALASKA
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STATE OF ALASKA
REGISTERED PROFESSIONAL ENGINEER
RYAN R. SUMMEL
CERTIFIED
SET

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DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

SEWARD HIGHWAY
MP 17-22.5
REHABILITATION

SEEDLING PLANT AREAS

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	N1	N57

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM	PAY UNIT	ESTIMATING UNIT	SNOW RIVER #603	SNOW RIVER #605	TOTAL QUANTITY
201.0003.0000	Clearing and Grubbing	ACRE	ACRE	0.5	---	0.5
203.2020.0000	Debris Removal/ Excavation	LS	LS	---	All Req'd	All Req'd
501.0001.0000	Class A Concrete	LS	CY	57.6	71.4	129.0
503.0001.0000	Reinforcing Steel	LS	LBS	909	3,916	4,825
503.0002.0000	Epoxy-Coated Reinforcing Steel	LS	LBS	14,616	13,663	28,279
503.0003.0000	Drill and Bond Dowels	EA	EA	134	310	444
507.2001.0002	Steel Bridge Railing Replacement, 2-Tube	LF	LF	417	1,333	1,750
510.2000.0000	Bridge Deck Repair	SF	SF	1,500	5,000	6,500
510.2001.0000	Bridge Deck Repair, Reinforcing Steel	CS	CS	All Req'd	All Req'd	All Req'd
510.2002.0000	Removal of Concrete Bridge Deck	LS	SF	5,655	19,455	25,110
513.0001.0000	Field Painting of Steel Structures, Bearings	LS	EA	20	---	20
516.0001.0000	Expansion Joint, Silicone	LF	LF	133.4	272.3	405.7
525.2001.0000	Polyester Concrete Overlay	LS	CY	14.0	48.1	62.1
606.0016.0000	Transition Rail	EA	EA	4	4	8
611.0001.0003	Riprap, Class III	CY	CY	3,800	---	3,800

Item numbers are for reference only. Quantities shown are not necessarily the pay quantities nor the total quantity of the particular item.

GENERAL NOTES

DESIGN:..... AASHTO LRFD Bridge Design Specifications, 2017 Edition, with latest interim specifications.

Seismic design per US Federal Highway Administration Seismic Retrofitting Manual for Highway Bridges 1995.

LIVE LOAD:..... HL-93

SEISMIC PARAMETERS:.....

	Bridge #603	Bridge #605
PGA	= 0.52	= 0.53
Ss	= 1.20	= 1.22
S1	= 0.50	= 0.75
Site Class	= D	= D

Liquefaction Potential = High
AASHTO 7% probability of exceedance in 75 years.

REINFORCEMENT:..... ASTM A706, Grade 60, Fy = 60,000 psi
Space reinforcement evenly unless otherwise noted.

CONCRETE:..... Class A concrete unless otherwise noted, f'c = 4000 psi

STRUCTURAL STEEL:..... ASTM A709, Grade 36T3, Fy = 36,000 psi
Galvanize structural steel in accordance with AASHTO M111 unless shown otherwise.

Existing elevations, locations and dimensions are based on as-built plans, and those plans may not show existing dimensions and conditions. Where dimensions of the proposed work depend on the existing bridge dimensions, field-verify the controlling dimensions and adjust proposed dimensions as required to fit existing conditions.

ABBREVIATIONS:

℄	= centerline	Elev.	= elevation	max.	= maximum
℗	= plate	e.f.	= each face	min.	= minimum
&	= and	e.w.	= each way	MSE	= mechanically stabilized earth
@	= at	Ext.	= exterior	n.f.	= near face
ø	= diameter	F	= fixed	No.	= number
±	= approximate	f.f.	= front/air face	o.c.	= on center
Abut.	= abutment	f'c	= specified concrete compressive strength	O.H.W.	= ordinary high water
Approx.	= approximate			pcf	= pounds per cubic foot
Alt.	= alternating	f'ci	= specified concrete compressive strength at release	psf	= pounds per square foot
b.f.	= back/dirt face			psi	= pounds per square inch
bot.	= bottom			R	= radius
Br.	= bridge	Ft.	= feet	R.O.W.	= right of way
btwn.	= between	Fy	= yield stress	RT.	= right
Brg.	= bearing	Galv.	= galvanize	Rd.	= road
C.G.	= center of gravity	H.S.	= high strength	S.I.P.	= stay-in-place
C.I.P.	= cast in place	Hwy.	= highway	spcs.	= space, spaces
CJP	= complete joint penetration	ID	= internal diameter	Sta.	= station
Clr.	= clear, clearance	Int.	= interior	SF	= square feet
CMP	= corrugated metal pipe	Jt.	= joint	SY	= square yard
CF	= cubic feet	K	= kips	Std.	= standard
CY	= cubic yard	ksf	= 1000 pounds per square foot	Symm.	= symmetric
Dia.	= diameter	ksi	= 1000 pounds per square inch	Typ.	= typical
Dwg.	= drawing	LBS or lb	= pounds	UT	= ultrasonic testing
E	= expansion	LF	= linear foot	w/	= with
(E)	= existing	LS	= lump sum		
EA	= each	LT.	= left		

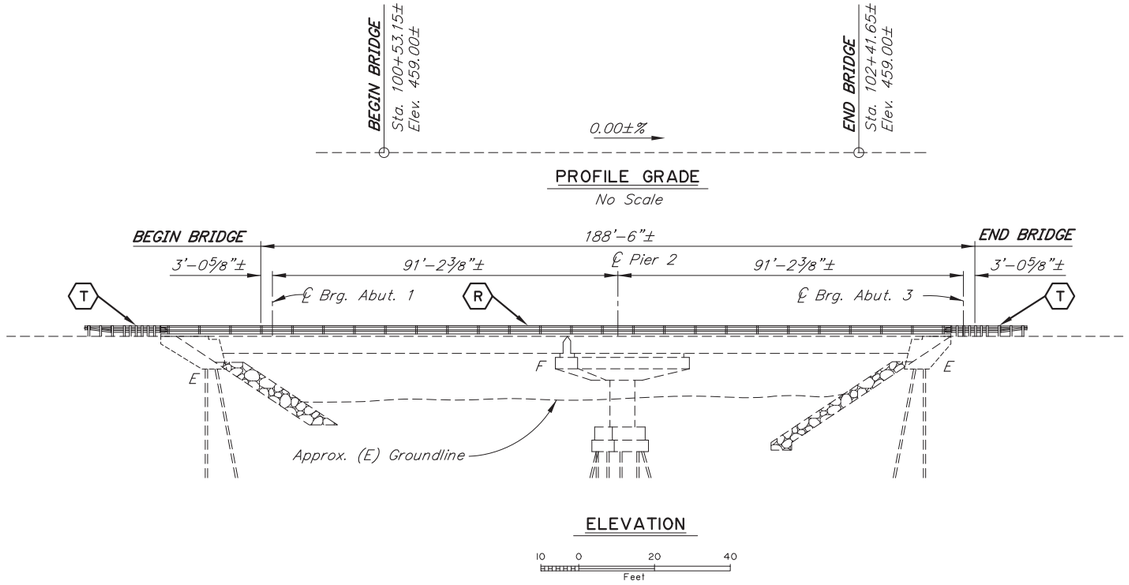
DESIGNED BY: Mary McRae	CHECKED: Leslie Daugherty	REHABILITATION	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES BRIDGE SECTION 3132 Channel Drive Juneau, Alaska 99801 907-465-2975		SNOW RIVER BRIDGES SEWARD HIGHWAY BASIS OF ESTIMATE
DRAWN BY: Michael Foster	CHECKED: Mary McRae				
QUANTITIES BY: Mary McRae	CHECKED: Leslie Daugherty				

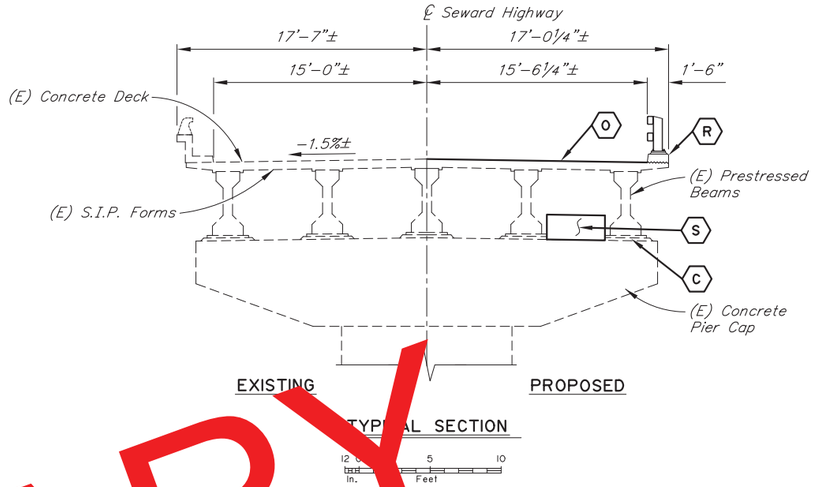
BRIDGE NO. 603 605

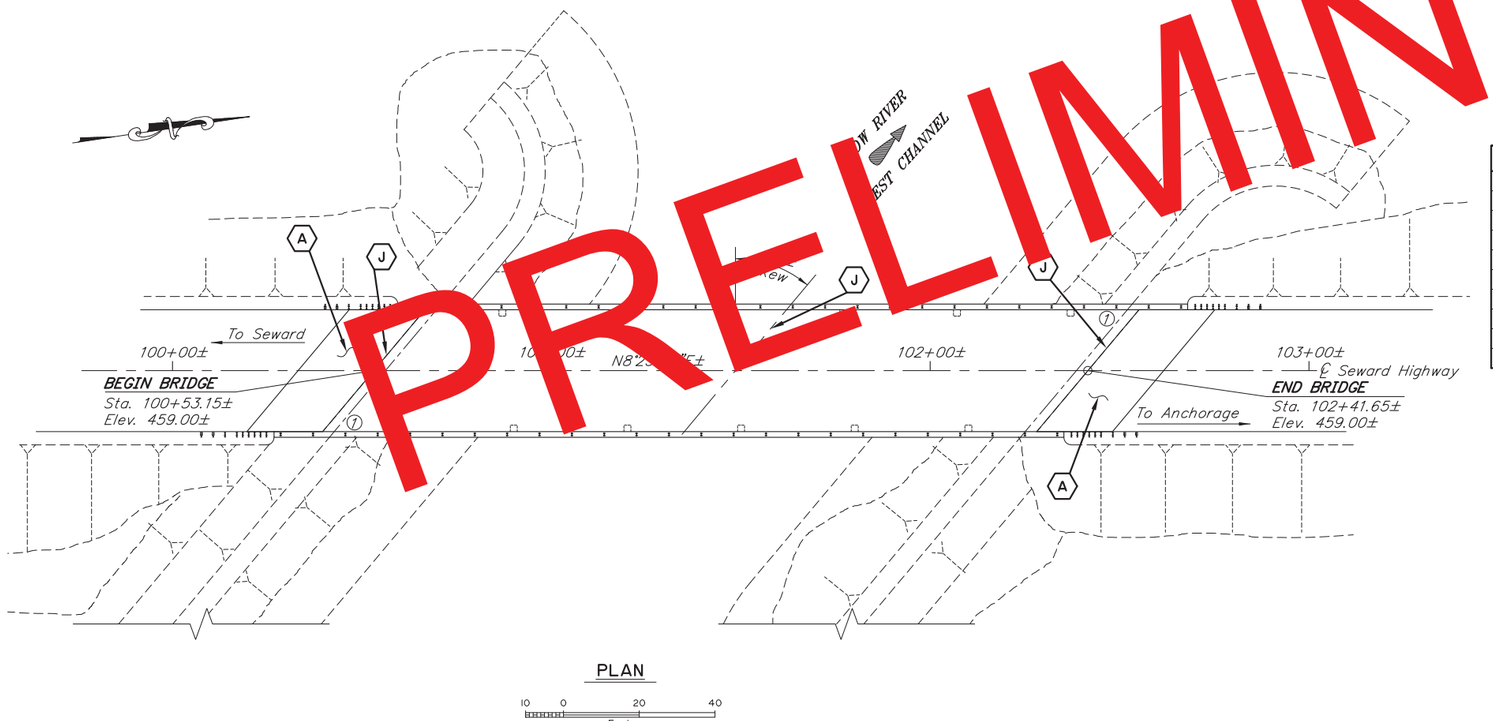
DWG. NO.

R:\cad\603,605,607\603-NOTES Mon, Nov/16/20 01:57pm

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	N2	N57







PRELIMINARY

BRIDGE DRAWING INDEX	
TITLE	DWG. NO.
GENERAL LAYOUT	1
EXISTING WINGWALLS	2
PROPOSED WINGWALLS	3
PIER	4
DECK DETAILS	5
JOINT DETAILS	6
APPROACH SLABS	7
EXISTING RAIL DETAILS	8
STEEL BRIDGE RAILING	9
STEEL BRIDGE RAILING 2	10

LEGEND

- (A) – Install Approach Slab
- (C) – Paint Bearings
- (J) – Rehabilitate Expansion Joints
- (O) – Place Polyester Concrete Overlay
- (R) – Replace Bridge Railing
- (S) – Install Shear Keys
- (T) – Install Transition Rail

NOTES:

(E) = Existing

– – – – – = Existing

——— = Proposed

Bridge elevations are based on 1966 as-built drawings.

For project stations and elevations, see roadway sheets.

Verify controlling field dimensions before ordering or fabricating any material.

(1) Approximate location of Bridge Number Plate.

REHABILITATION

DESIGNED BY: Mary McRae	CHECKED: Leslie Daugherty	LAYOUT BY: Mary McRae	CHECKED BY: Leslie Daugherty
DRAWN BY: Michael Foster	CHECKED: Mary McRae	SPECIFICATIONS BY: Mary McRae	P S & E COMPARED: Leslie Daugherty
QUANTITIES BY: Mary McRae	CHECKED: Leslie Daugherty	APPROVAL RECOMMENDED BY:	Rich Pratt

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

SNOW RIVER WEST CHANNEL

SEWARD HIGHWAY

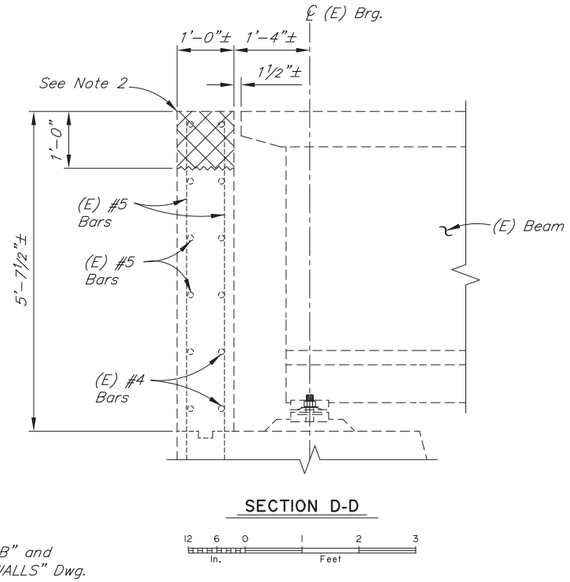
GENERAL LAYOUT

BRIDGE NO. 603

DWG. NO. 1

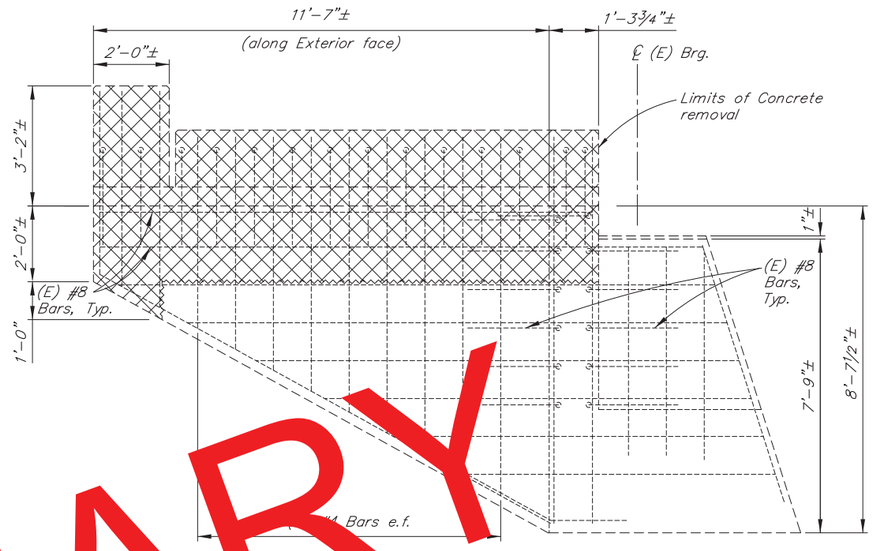
R:\cad\603,605,607\603-GENERAL LAYOUT Mon, Nov/16/20 08:17am

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	N3	N57



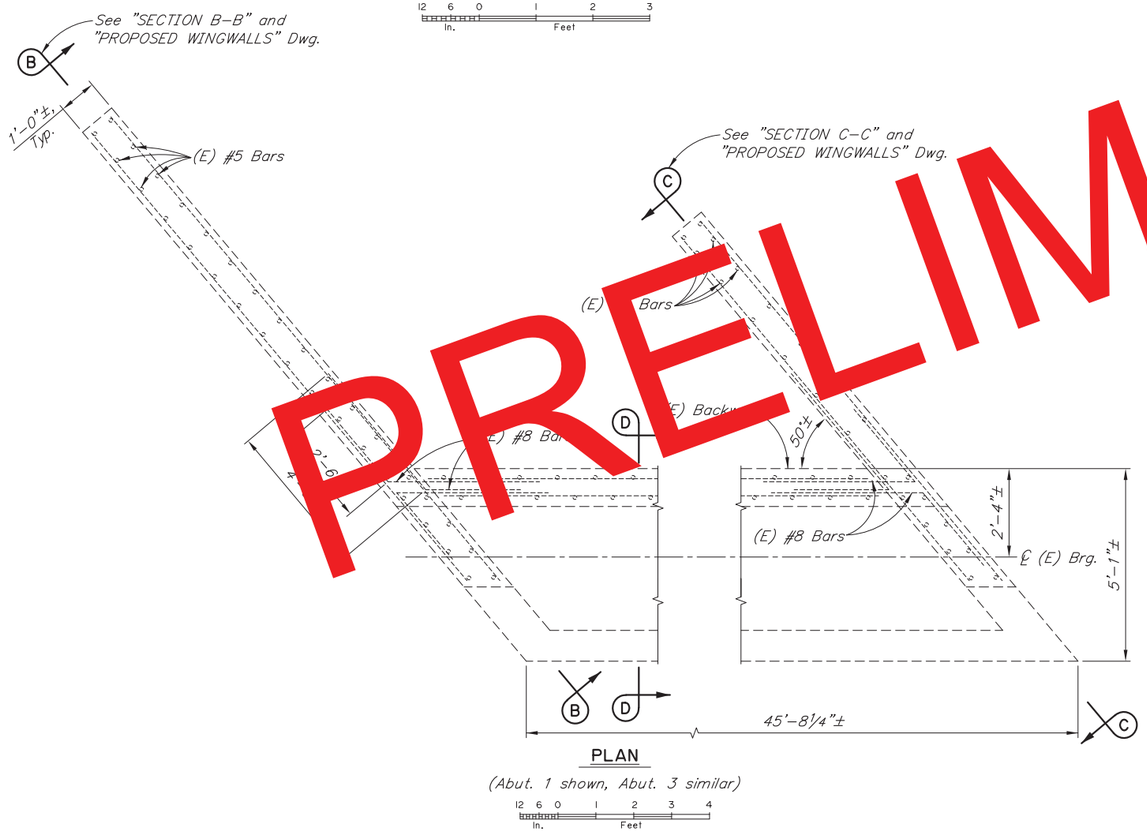
SECTION D-D

12 6 0 1 2 3
In. Feet



SECTION B-B

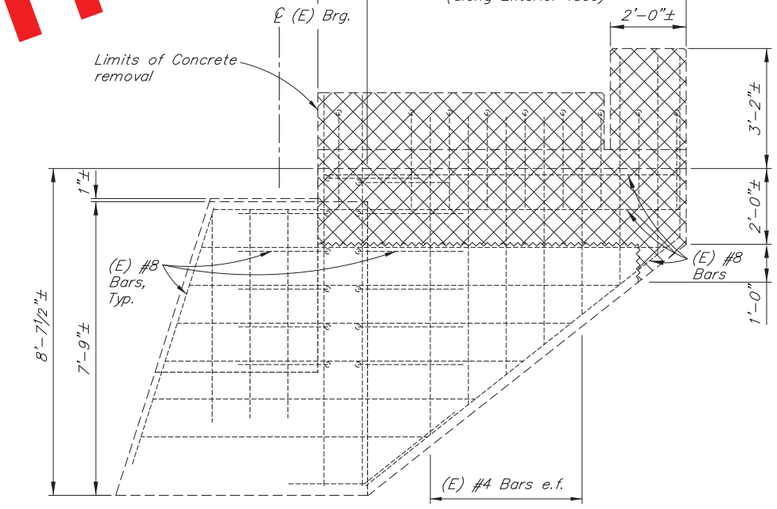
12 6 0 1 2 3 4
In. Feet



PLAN

(Abut. 1 shown, Abut. 3 similar)

12 6 0 1 2 3 4
In. Feet



SECTION C-C

12 6 0 1 2 3 4
In. Feet

NOTES:

(E) = Existing

– – – – – = Existing

——— = Proposed

▨ = Limits of Concrete removal

1. Verify controlling field dimensions before ordering or fabricating any material.
2. Steel headers not shown for clarity. Headers may not be present in all locations.

DESIGNED BY: Leslie Daugherty	CHECKED: Sara Manning	**REHABILITATION**	STATE OF ALASKA **DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES** BRIDGE SECTION 3132 Channel Drive Juneau, Alaska 99801 907-465-2975
DRAWN BY: Sam Sollie	CHECKED: Leslie Daugherty		
QUANTITIES BY: Leslie Daugherty	CHECKED: Sara Manning		

SNOW RIVER WEST CHANNEL

SEWARD HIGHWAY

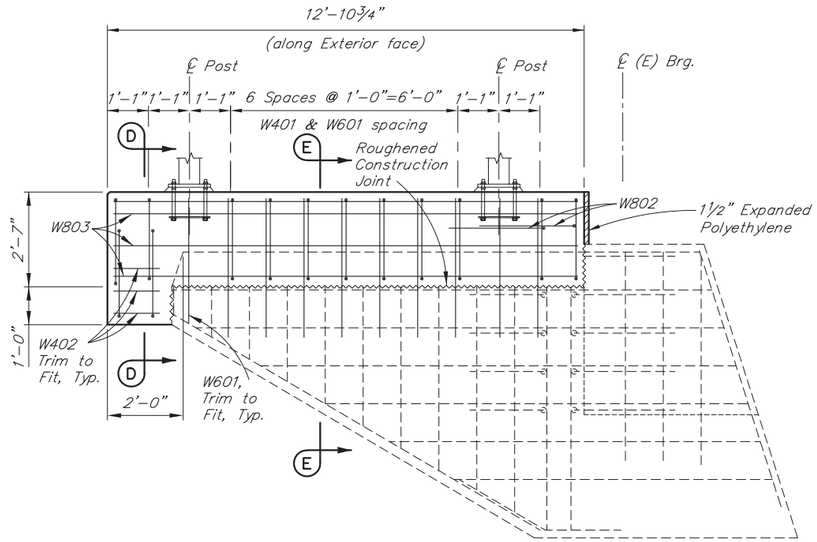
EXISTING WINGWALLS

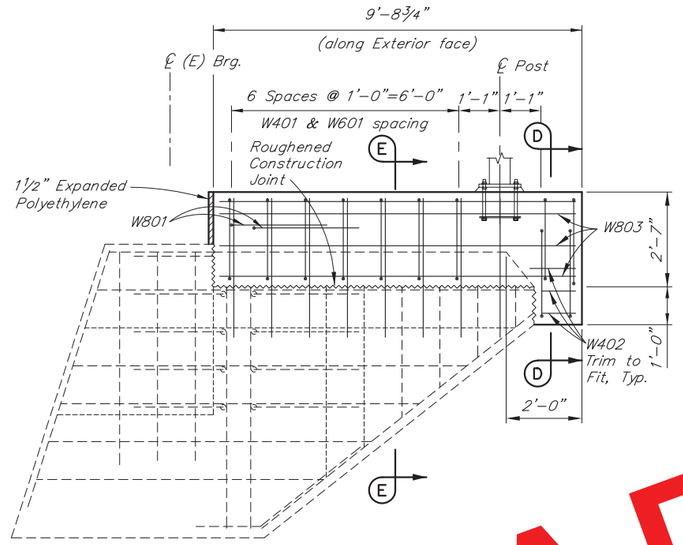
BRIDGE NO. 603

DWG. NO. 2

R:\cad\603,605,607\603-EXISTING WW Mon, Nov/16/20 08:17am

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	N4	N57



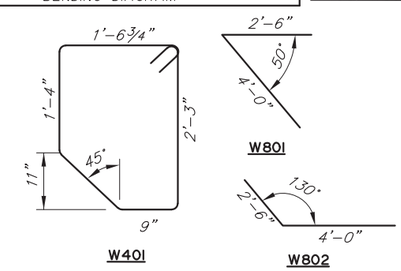


REINFORCING STEEL - ONE ABUTMENT

MARK	NOTE	SIZE	NO.	LENGTH	TYPE
W401	E	4	24	7'-10½"	STIRRUP
W402	E	4	8	3'-8"	BENT
W403	E	4	4	VARIES	---
W601		6	18	3'-8"	---
W801	E	8	2	6'-6"	BENT
W802	E	8	2	6'-6"	BENT
W803	E	8	12	VARIES	---

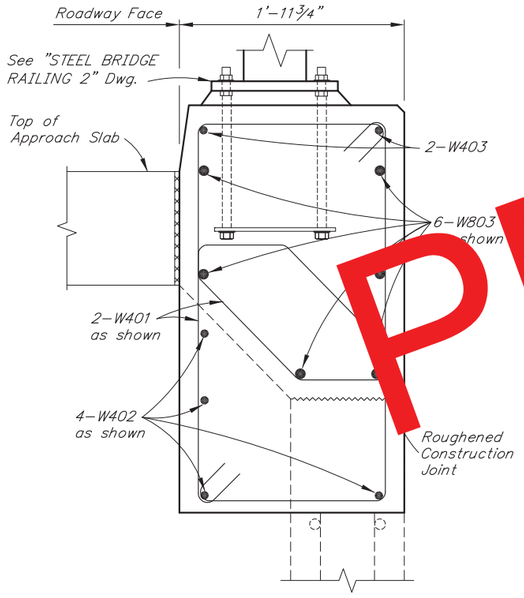
7'-10" Min.
14'-1" Max.
W403, W803

BENDING DIAGRAM



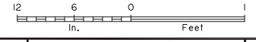
E = Epoxy-Coated Reinforcing Steel

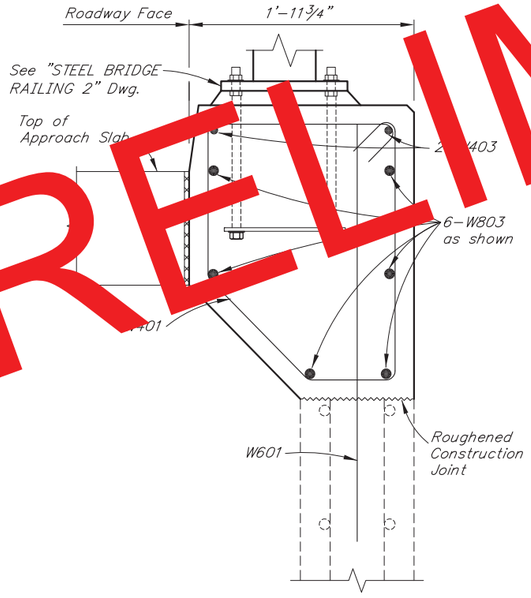
SECTION B-B



SECTION D-D

(Abutment 1 shown, Abutment 3 similar)

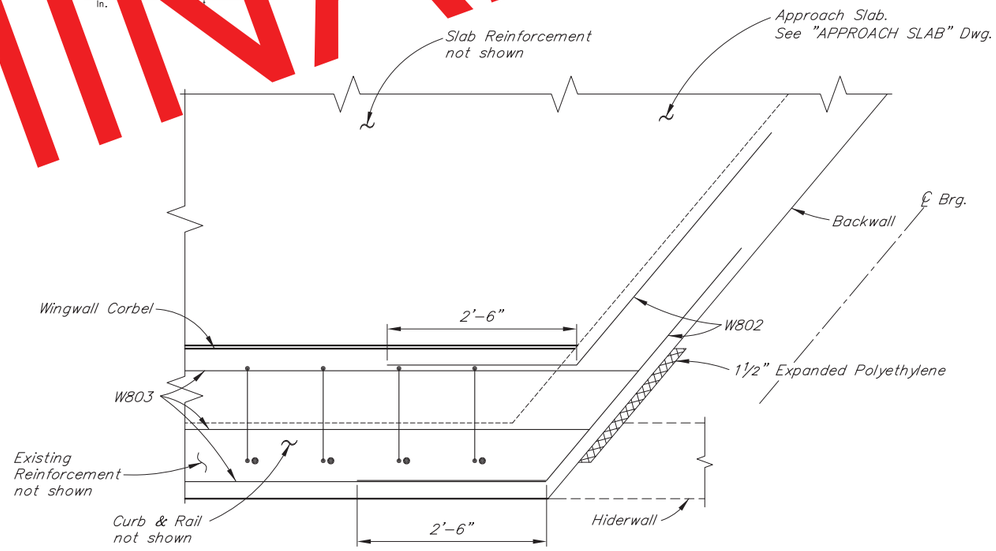




SECTION E-E

(Abutment 1 shown, Abutment 3 similar)

SECTION C-



CORNER DETAILS

(opposite corner similar)

NOTES:

(E) = Existing

- - - - - = Existing

——— = Proposed

Verify controlling field dimensions before ordering or fabricating any material.

DESIGNED BY: Leslie Daugherty	CHECKED: Sara Manning	**REHABILITATION**	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES BRIDGE SECTION 3132 Channel Drive Juneau, Alaska 99801 907-465-2975
DRAWN BY: Sam Sollie	CHECKED: Leslie Daugherty		
QUANTITIES BY: Leslie Daugherty	CHECKED: Sara Manning		

SNOW RIVER WEST CHANNEL

SEWARD HIGHWAY

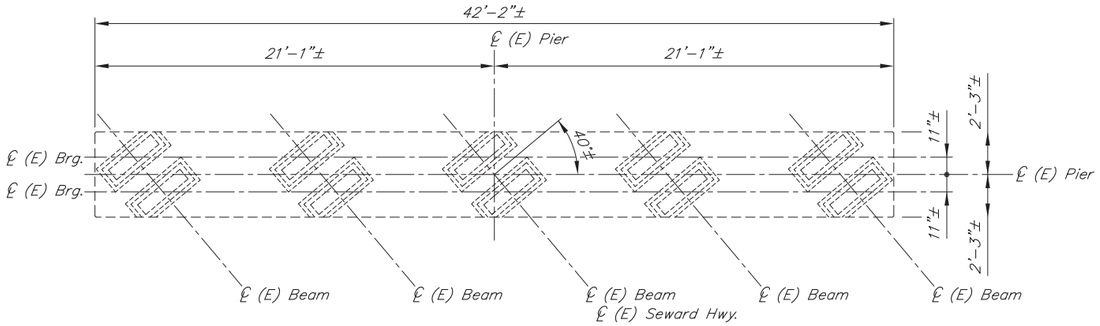
PROPOSED WINGWALLS

BRIDGE NO. 603

DWG. NO. 3

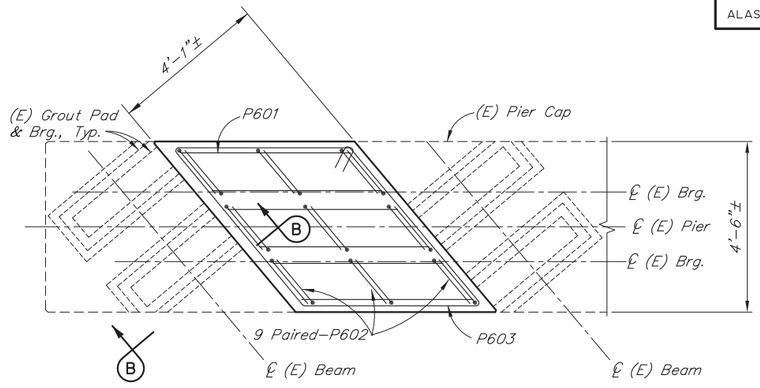
R:\cad\603,605,607\603-PROPOSED WW Mon, Nov/16/20 08:17am

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	N5	N57



EXISTING PLAN

12 0 4 8 In. Feet

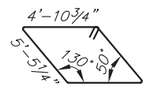


SHEAR KEY DETAIL

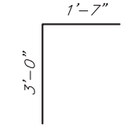
12 6 0 1 2 3 4 In. Feet

MARK	NOTE	SIZE	NO.	LENGTH	TYPE
P601		6	36	4'-10¾"	---
P602		6	36	4'-7"	BENT
P603		6	6	22'-0"	STIRRUP

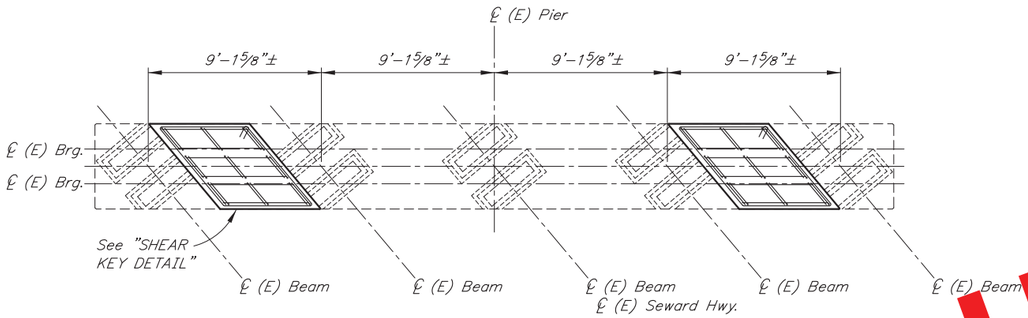
BENDING DIAGRAM



P603

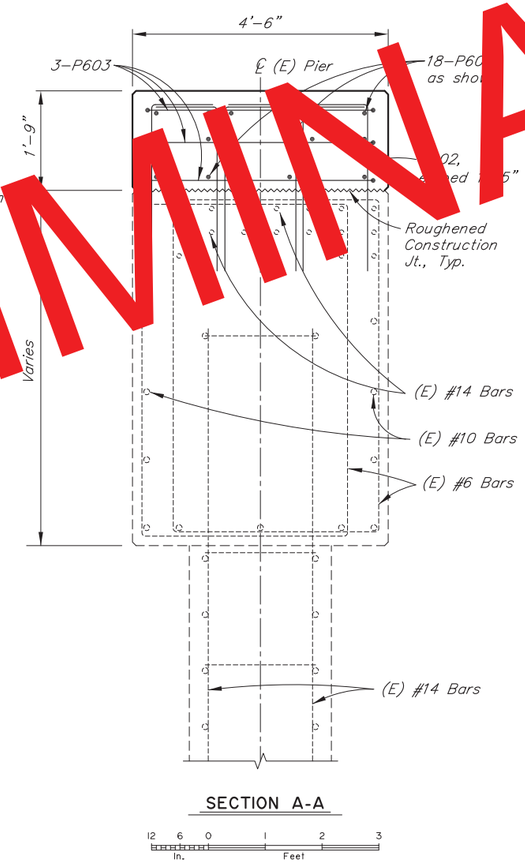


P602



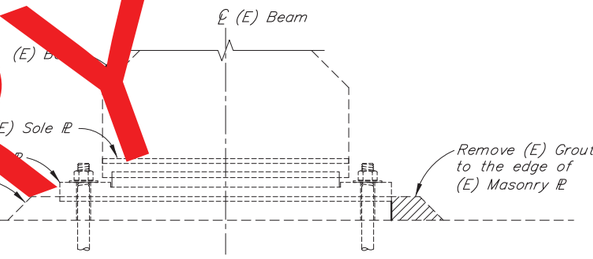
PROPOSED PLAN

12 0 4 8 In. Feet



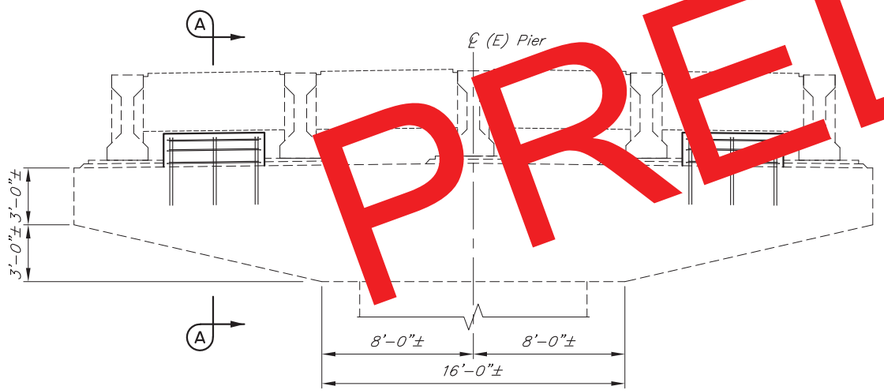
SECTION A-A

12 6 0 1 2 3 In. Feet



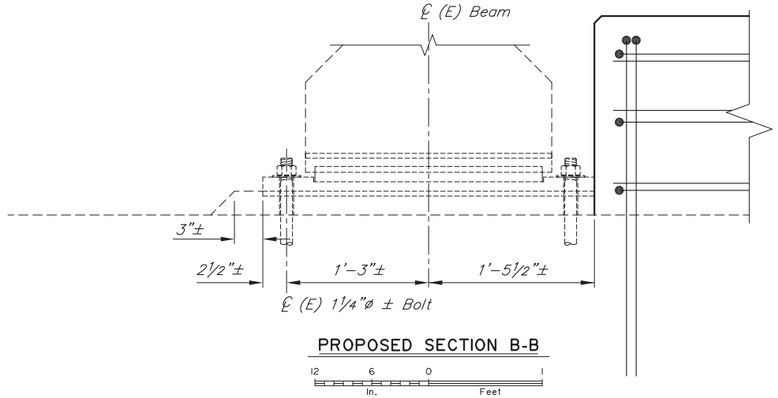
EXISTING SECTION B-B

12 6 0 In. Feet



PROPOSED ELEVATION

12 0 4 8 In. Feet



PROPOSED SECTION B-B

12 6 0 In. Feet

NOTES:

(E) = Existing

- - - - - = Existing

——— = Proposed

Verify controlling field dimensions before ordering or fabricating any material.

R:\cad\603,605,607\603-PIERS Mon, Nov/16/20 08:17am

DESIGNED BY: Sara Manning	CHECKED: Leslie Daugherty	**REHABILITATION**	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES BRIDGE SECTION 3132 Channel Drive Juneau, Alaska 99801 907-465-2975
DRAWN BY: Michael Foster	CHECKED: Sara Manning		
QUANTITIES BY: Sara Manning	CHECKED: Leslie Daugherty		

SNOW RIVER WEST CHANNEL

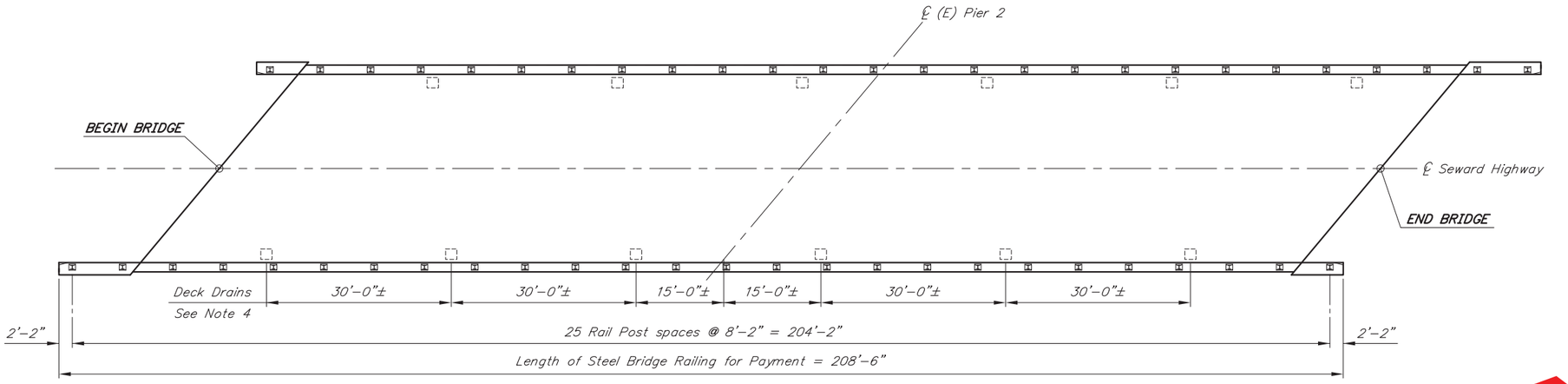
SEWARD HIGHWAY

PIER

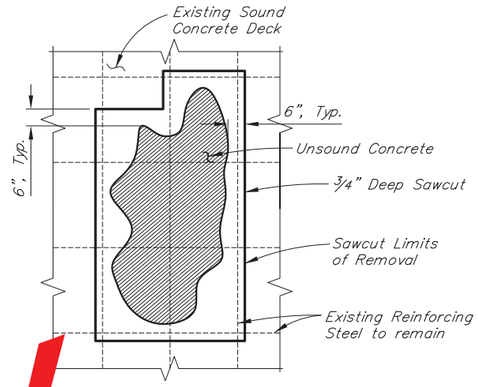
BRIDGE NO. 603

DWG. NO. 4

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	N6	N57

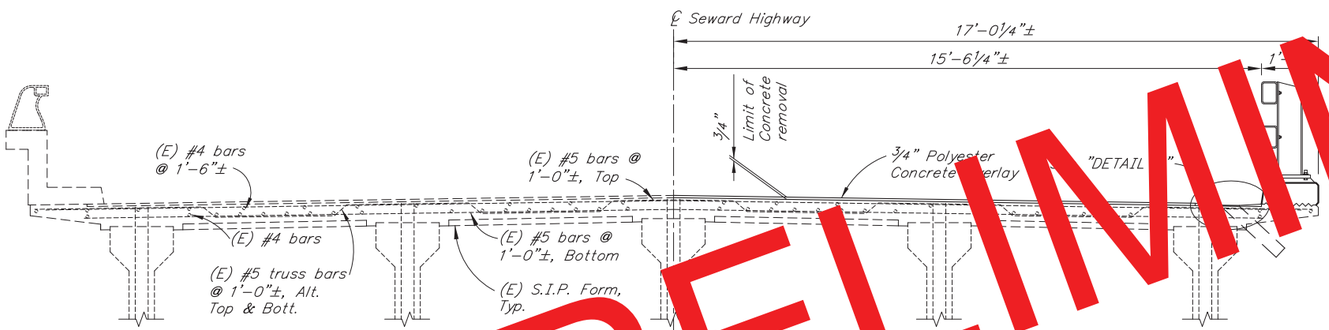


DECK PLAN



CONCRETE DECK REPAIR PLAN

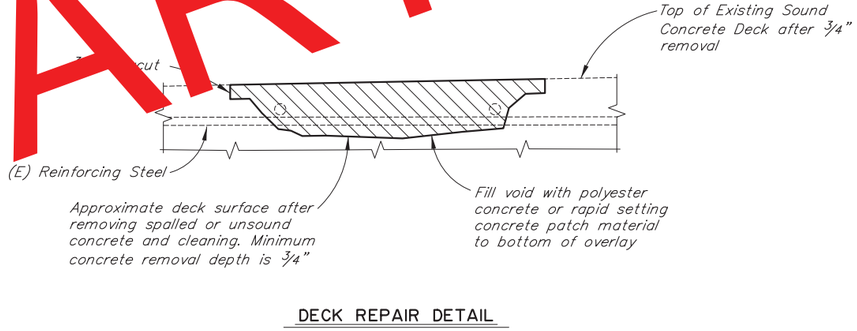
No Scale



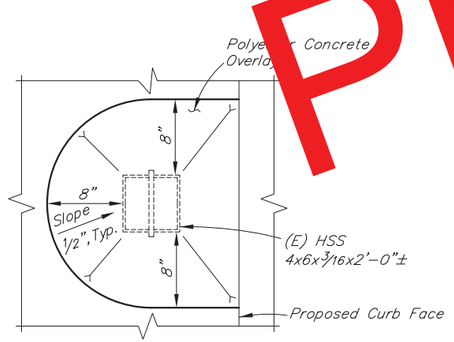
EXISTING

TYPICAL SECTION

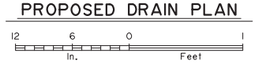
PROPOSED

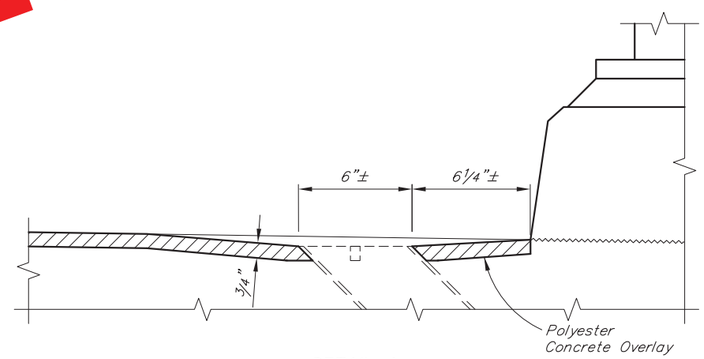


DECK REPAIR DETAIL



PROPOSED DRAIN PLAN





DETAIL A

NOTES:

(E) = Existing

– – – – – = Existing

——— = Proposed

1. Verify controlling field dimensions before ordering or fabricating any material.
2. See "EXISTING RAIL DETAILS" for Curb Joint details.
3. Do not damage existing drains.
4. Deck Drain locations measured at face of (E) curb.

DESIGNED BY: Mary McRae	CHECKED: Leslie Daugherty	REHABILITATION	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES BRIDGE SECTION 3132 Channel Drive Juneau, Alaska 99801 907-465-2975
DRAWN BY: Michael Foster	CHECKED: Mary McRae		
QUANTITIES BY: Mary McRae	CHECKED: Leslie Daugherty		

SNOW RIVER WEST CHANNEL

SEWARD HIGHWAY

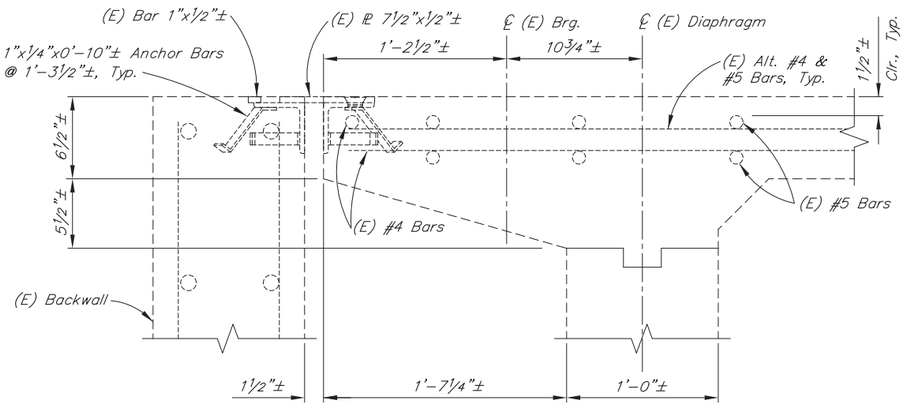
DECK DETAILS

BRIDGE NO. 603

DWG. NO. 5

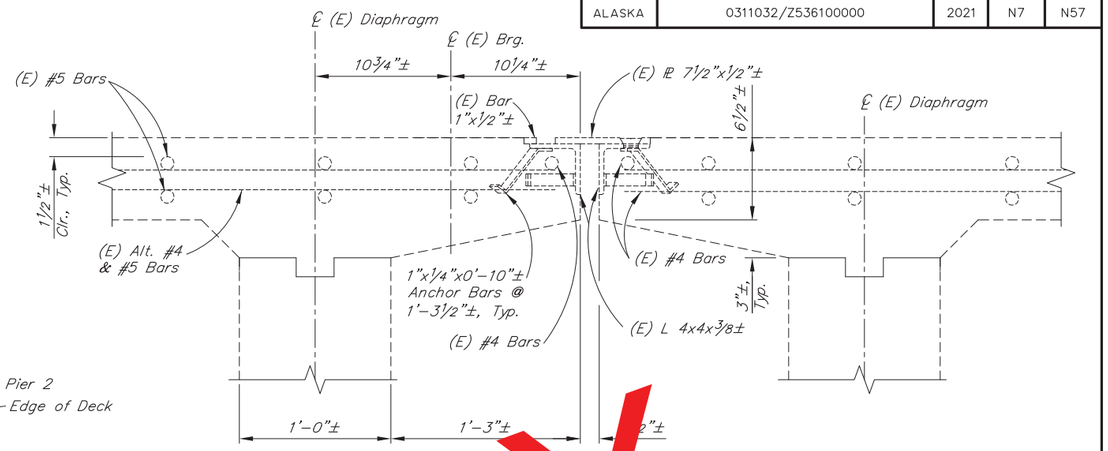
R:\cad\603,605,607\603-DECK Mon, Nov/16/20 08:18am

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	N7	N57



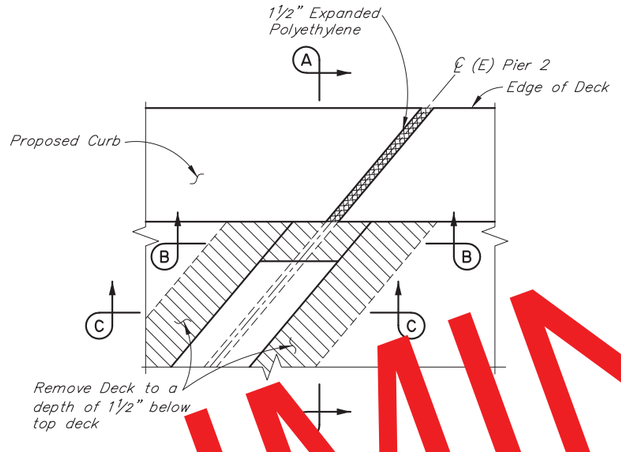
EXISTING ABUTMENT JOINTS

No Scale



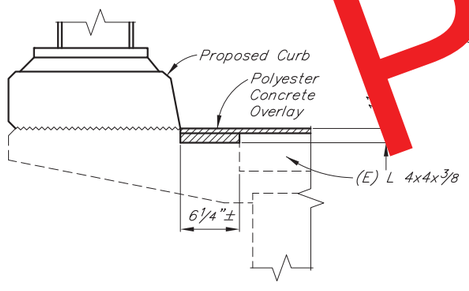
EXISTING [illegible] JOINT

No Sc



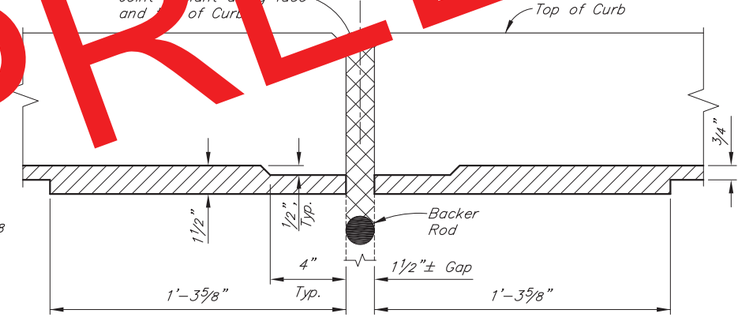
PROPOSED JOINT

12 0 1 2 Feet



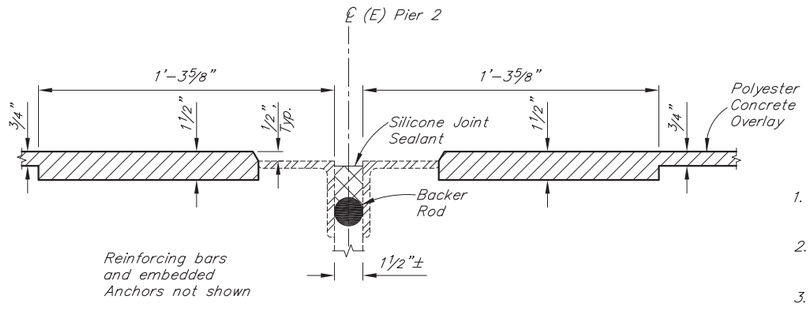
SECTION A-A

12 6 0 1 In. Feet



SECTION B-B

6 3 0 1 In. Feet



SECTION C-C

6 3 0 1 In. Feet

NOTES:

(E) = Existing

- - - - - = Existing

——— = Proposed

▨ = Limits of deck removal

1. Verify controlling field dimensions before ordering or fabricating any material.
2. Do not damage steel header angle and embedded steel hardware.
3. See "APPROACH SLABS" Dwg. for Abutment Joints.
4. At roadway exposed by curb removal, place Polyester Concrete Overlay to match adjacent roadway or header grade. A minimum thickness of 3/4" is required.

DESIGNED BY: Mary McRae	CHECKED: Leslie Daugherty	**REHABILITATION**	STATE OF ALASKA **DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES** BRIDGE SECTION 3132 Channel Drive Juneau, Alaska 99801 907-465-2975
DRAWN BY: Michael Foster	CHECKED: Mary McRae		
QUANTITIES BY: Mary McRae	CHECKED: Leslie Daugherty		

SNOW RIVER WEST CHANNEL

SEWARD HIGHWAY

JOINT DETAILS

BRIDGE NO. 603

DWG. NO. 6

R:\cad\603,605,607\603-JOINTS Mon, Nov/16/20 08:18am

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	N8	N57

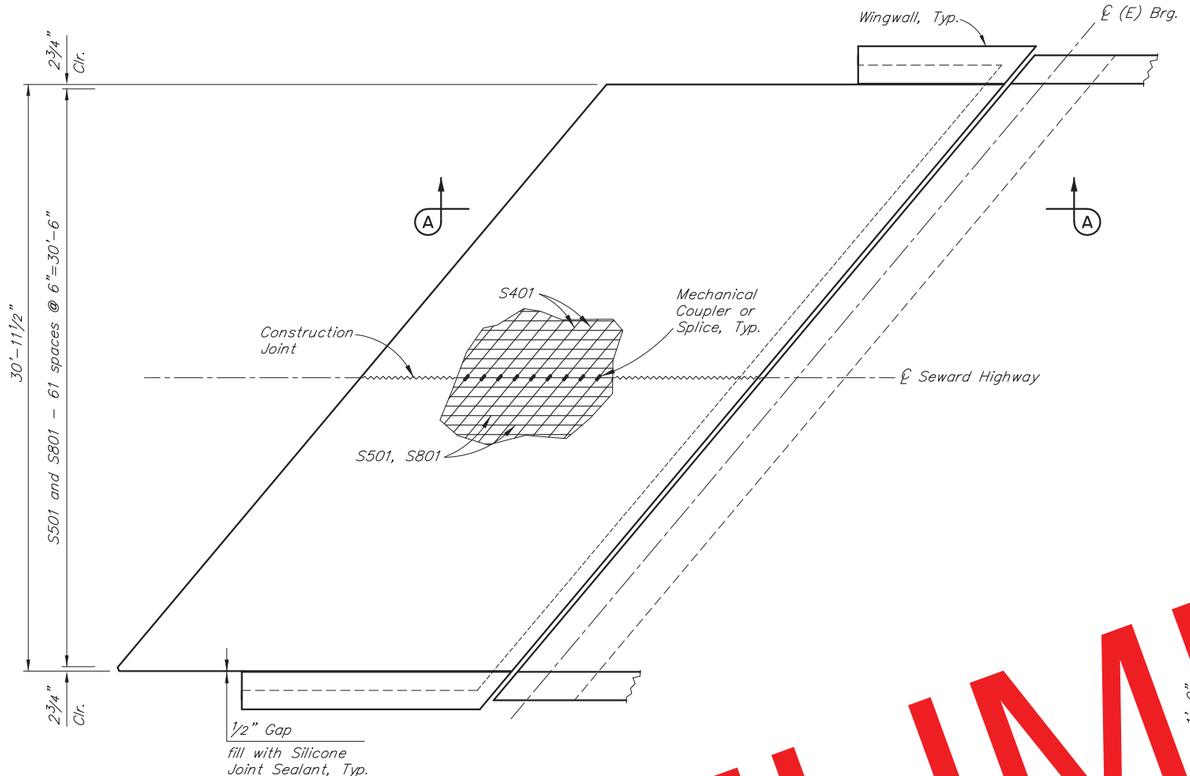
REINFORCING STEEL - ONE SLAB

MARK	NOTE	SIZE	NO.	LENGTH	TYPE	BENDING DIAGRAM
S401	E,M,S	4	64	39'-11"	---	
S501	E	5	62	20'-8"	---	
S502	E	5	31	4'-0"	BENT	
S503	E	5	31	4'-7"	BENT	
S801	E	8	62	20'-8"	---	

2'-0" / 2'-0" — **S502**

2'-0" / 7" — **S503**

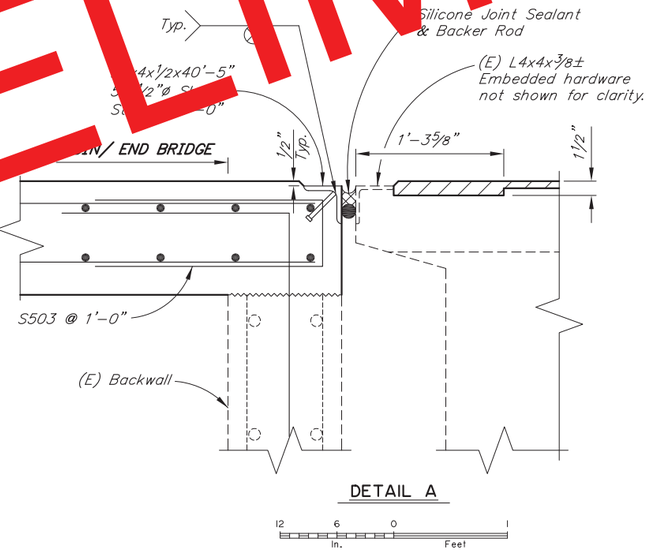
- Epoxy-[illegible] reinforcing steel
- Match cr[illegible] slope
- Splice or M[illegible]anical Coupler permitted. Splice length not included.



PLAN

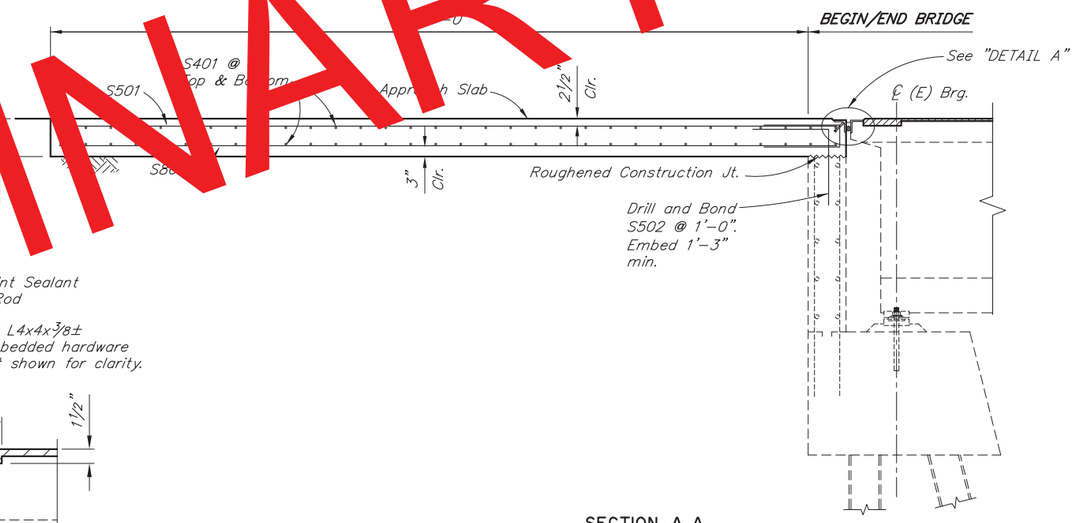
(Abutment 1 shown, Abutment 3 [illegible])

12 0 4 In. Feet



DETAIL A

12 6 0 1 In. Feet



SECTION A-A

12 6 0 1 2 3 4 In. Feet

NOTES:

(E) = Existing

– – – – – = Existing

——— = Proposed

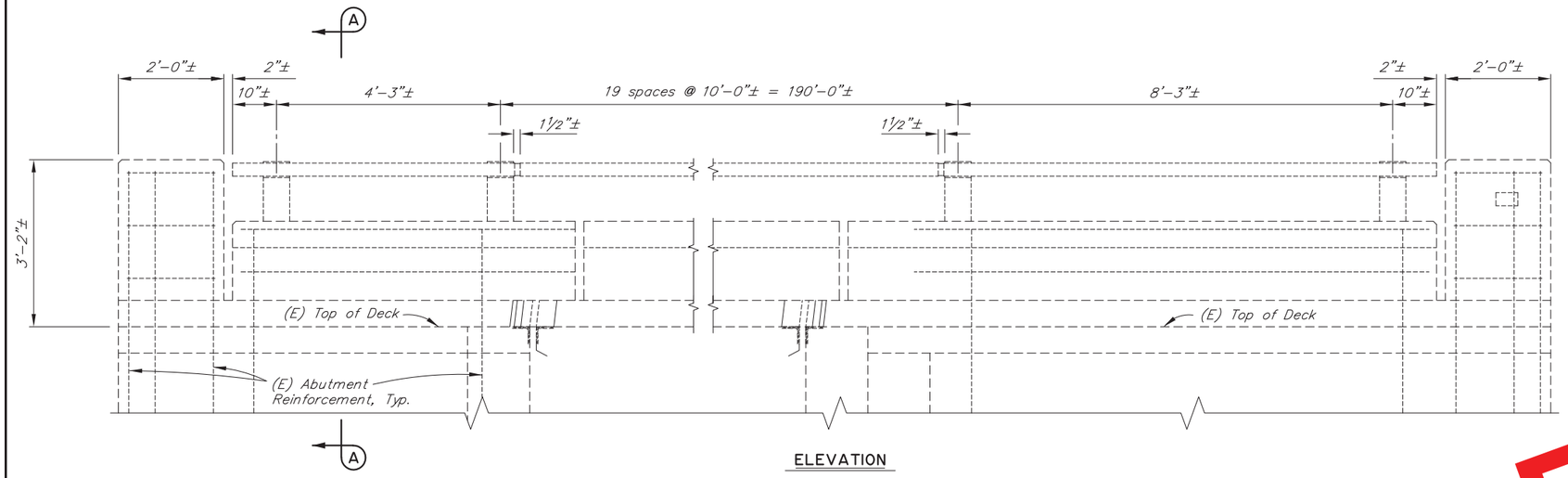
Verify controlling field dimensions before ordering or fabricating any material.

PRELIMINARY

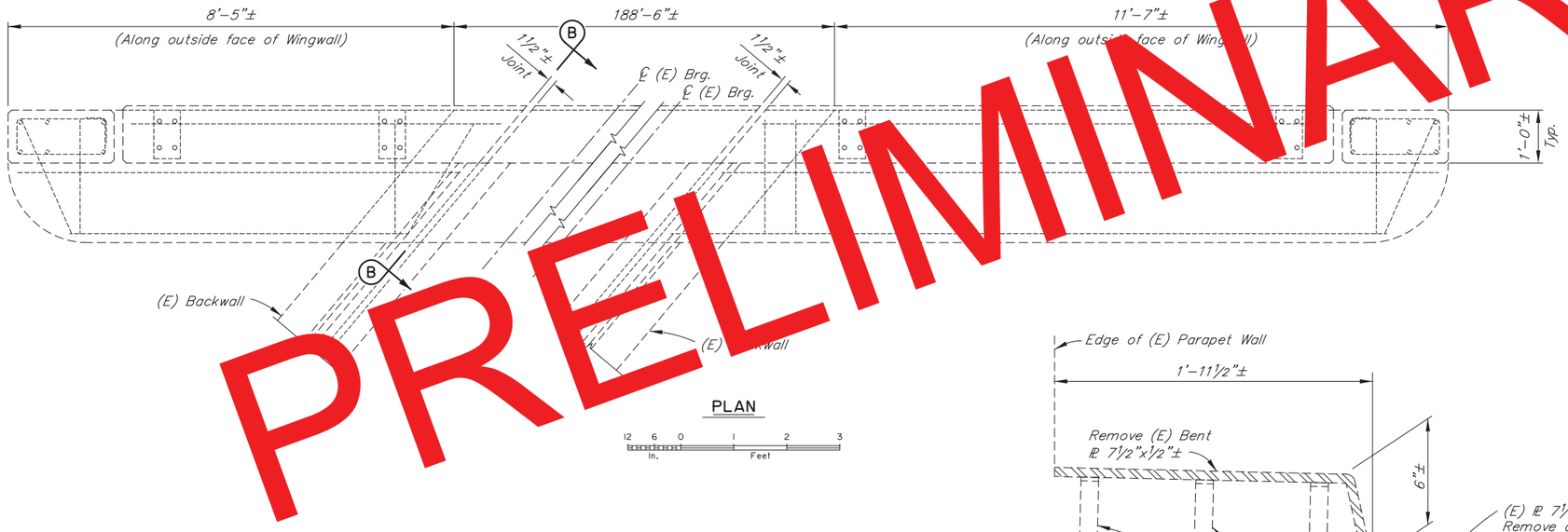
DESIGNED BY: Mary McRae	CHECKED: Leslie Daugherty	**REHABILITATION**	STATE OF ALASKA **DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES** BRIDGE SECTION 3132 Channel Drive Juneau, Alaska 99801 907-465-2975	**SNOW RIVER WEST CHANNEL** SEWARD HIGHWAY **APPROACH SLABS**
DRAWN BY: Michael Foster	CHECKED: Mary McRae			BRIDGE NO. 603 DWG. NO. 7
QUANTITIES BY: Mary McRae	CHECKED: Leslie Daugherty			

R:\cad\603,605,607\603-SLABS Mon, Nov/16/20 08:18am

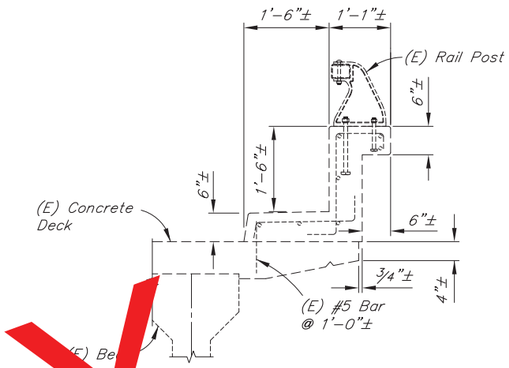
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	N9	N57



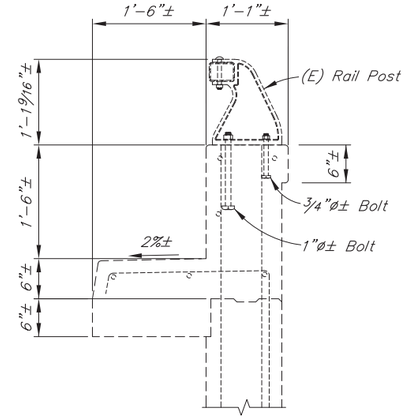
ELEVATION



PLAN



TYPICAL SECTION



SECTION B-B

SECTION A-A

NOTES:

(E) = Existing

- - - - - = Existing

——— = Proposed

Verify controlling field dimensions before ordering or fabricating any material.

DESIGNED BY: Mary McRae	CHECKED: Leslie Daugherty	**REHABILITATION**	STATE OF ALASKA **DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES** BRIDGE SECTION 3132 Channel Drive Juneau, Alaska 99801 907-465-2975
DRAWN BY: Michael Foster	CHECKED: Mary McRae		
QUANTITIES BY: Mary McRae	CHECKED: Leslie Daugherty		

SNOW RIVER WEST CHANNEL

SEWARD HIGHWAY

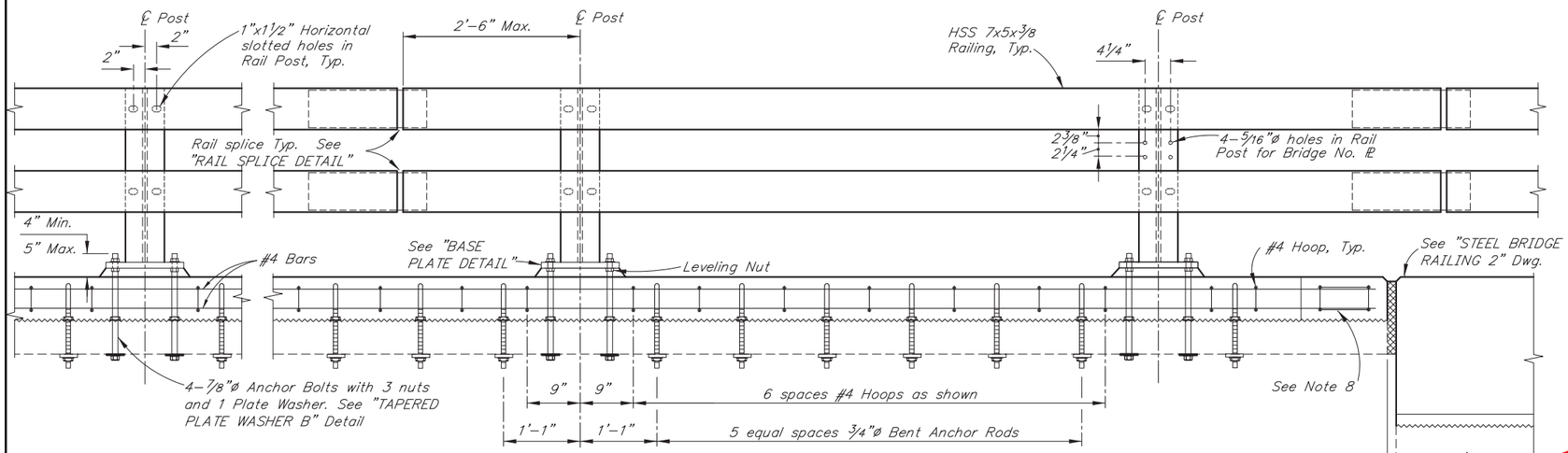
EXISTING RAIL DETAILS

BRIDGE NO. 603

DWG. NO. 8

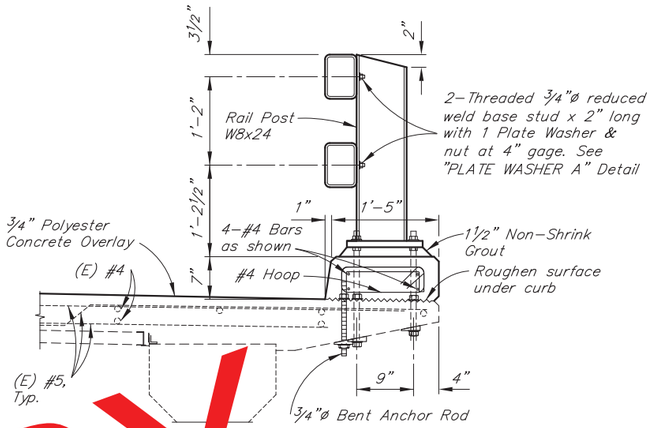
R:\cad\603,605,607\603-E RAIL Mon, Nov/16/20 08:18am

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	N10	N57

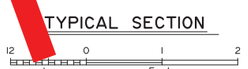


TYPICAL POST ELEVATION

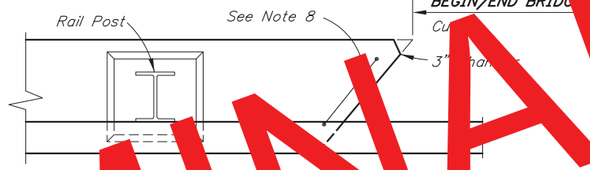
EXPANSION JOINT

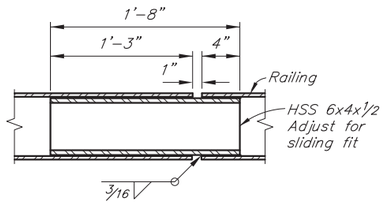


TYPICAL SECTION



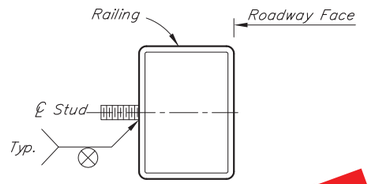
ELEVATION





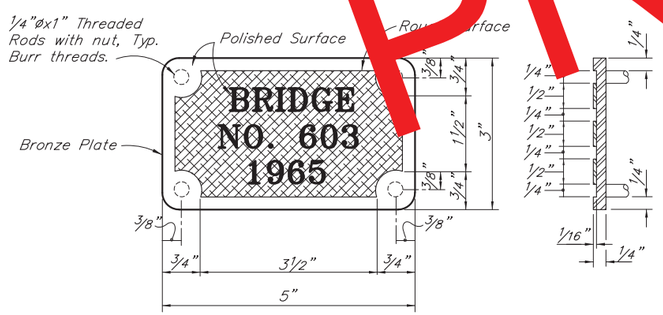
RAIL SPLICE DETAIL

No Scale



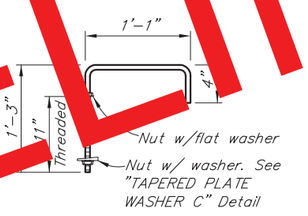
RAILING STUD DETAIL

No Scale



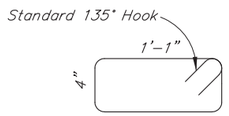
BRONZE BRIDGE NO. PLATE

No Scale



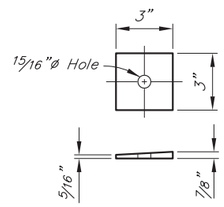
¾"ø BENT ANCHOR ROD

No Scale



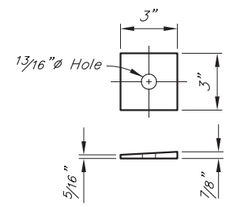
#4 HOOP DETAIL

No Scale



TAPERED PLATE WASHER B

No Scale



TAPERED PLATE WASHER C

No Scale

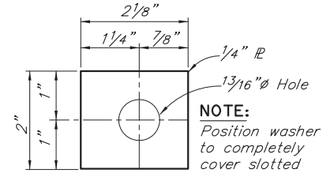
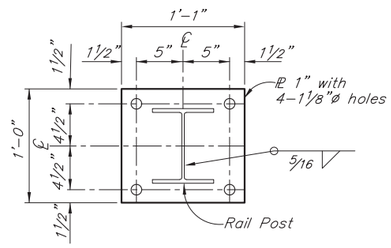


PLATE WASHER A

No Scale



BASE PLATE DETAIL

No Scale

NOTES:

(E) = Existing

– – – – – = Existing

——— = Proposed

1. Verify controlling field dimensions before ordering or fabricating any material.
2. Furnish two bridge no. plates. Use "Century" type style lettering. Use studs and nuts that conform to UNS C65100 or UNS C65500. Braze ¼"ø threaded rod to back of plate with nut (4 req'd.). Use tamperproof nuts.
3. Locate bridge no. plates as shown on "GENERAL LAYOUT" Dwg. (2 total)
4. Provide railing expansion joints at 50'–0" maximum intervals. Install railing continuous over 2 posts minimum. Install railing expansion joints in rail panels that span bridge expansion joints.
5. See "DECK DETAILS" Dwg. for rail post spacing.
6. Install bridge rail posts plumb.
7. Use grout with a minimum 24 hour f'c of 3,000 psi.
8. Angle reinforcing bars to accommodate bridge skew and curb taper. Typical at all joints.
9. Core and bond anchor bolts through the existing deck and existing rail hardware. Drill and bond ¾"ø bent anchor rods through the existing deck. Adjust anchor rod spacing to avoid existing reinforcing.
10. Adjust hoops and ¾"ø bent anchor rods at joints. Maintain spacing shown.

DESIGNED BY: Mary McRae	CHECKED: Leslie Daugherty	REHABILITATION	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES BRIDGE SECTION 3132 Channel Drive Juneau, Alaska 99801 907–465–2975
DRAWN BY: Michael Foster	CHECKED: Mary McRae		
QUANTITIES BY: Mary McRae	CHECKED: Leslie Daugherty		

SNOW RIVER WEST CHANNEL

SEWARD HIGHWAY

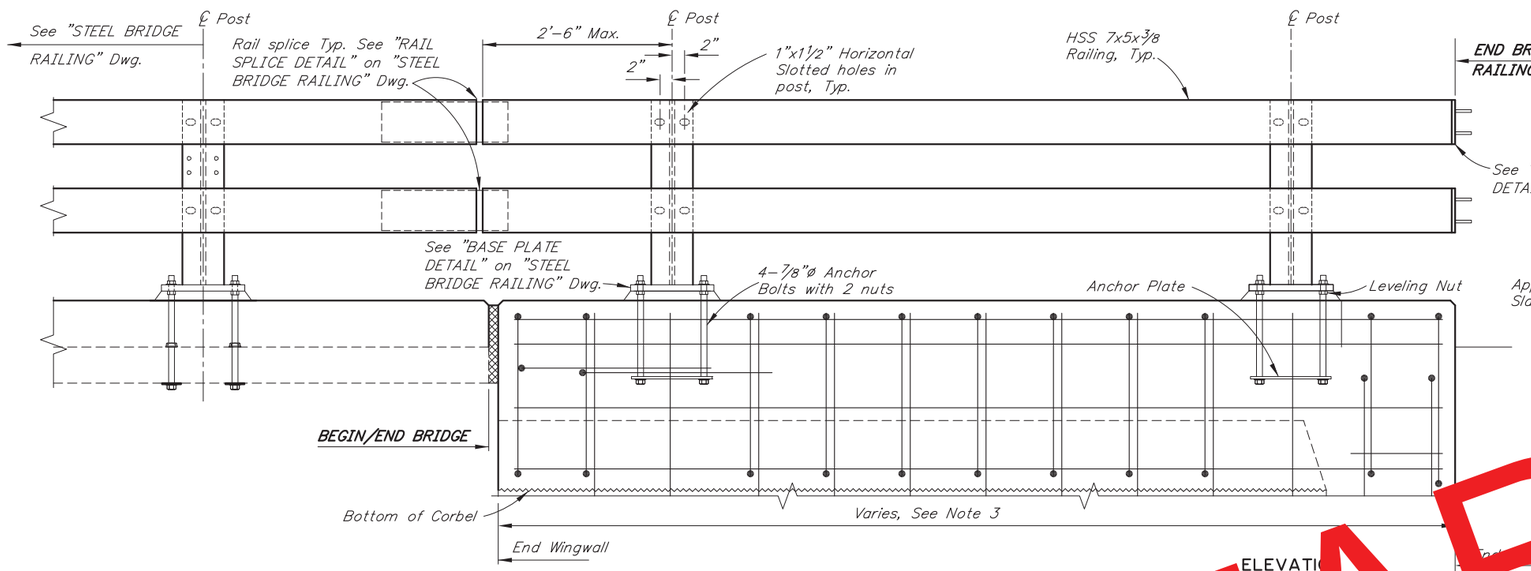
STEEL BRIDGE RAILING

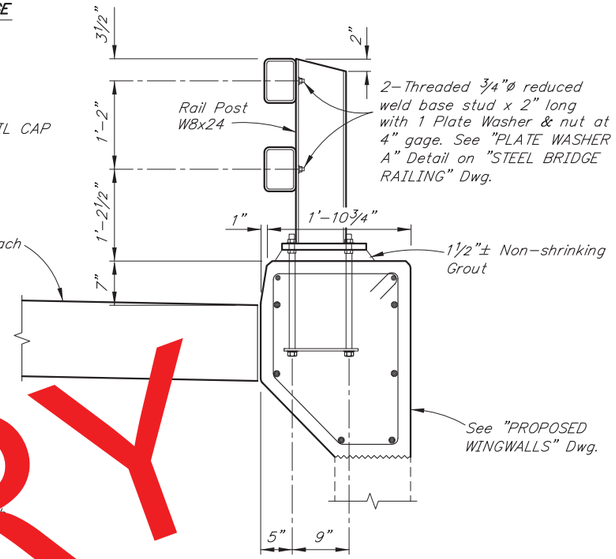
BRIDGE NO. 603

DWG. NO. 9

R:\cad\603,605,607\603–STEEL RAIL Mon, Nov/16/20 08:18am

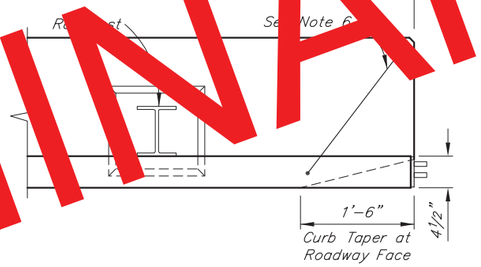
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	N11	N57





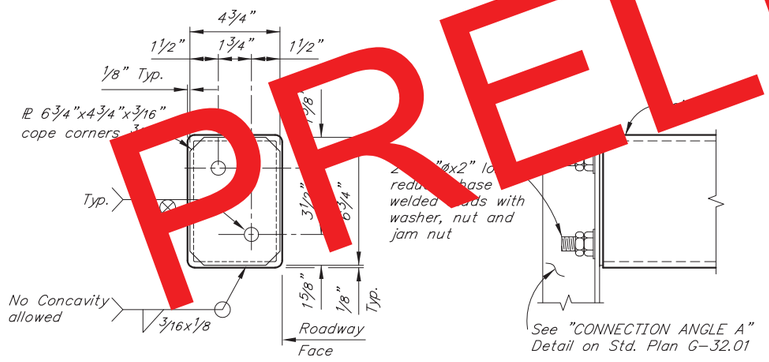
TYPICAL SECTION

12 6 0 1 2
In. Feet



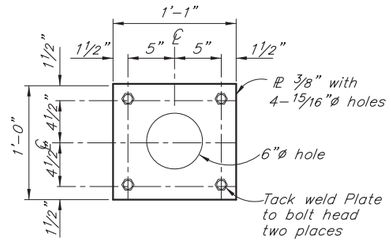
PLAN

12 6 0 1 2
In. Feet



RAIL CAP DETAIL

6 3 0 1
In. Feet



ANCHOR PLATE DETAIL

No Scale

NOTES:

(E) = Existing
- - - - - = Existing
——— = Proposed

1. Verify controlling field dimensions before ordering or fabricating any material.
2. Make railing continuous over wingwalls with a rail splice in the rail panel over expansion joint.
3. See "DECK DETAILS" Dwg. for rail post spacing. See "PROPOSED WINGWALLS" Dwg. for wingwall dimensions and bar spacing.
4. Install bridge rail posts plumb.
5. Use grout with a minimum 24 hour f'c of 3,000 psi.
6. Angle bars to accommodate curb taper.
7. See "STEEL BRIDGE RAILING" Dwg. for bridge railing details not shown.
8. See Std. Plan G-32.01 for "MASH BRIDGE RAIL THRIE BEAM TRANSITION" Dwg.

PRELIMINARY

DESIGNED BY: Leslie Daugherty	CHECKED: Sara Manning	REHABILITATION	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES BRIDGE SECTION 3132 Channel Drive Juneau, Alaska 99801 907-465-2975
DRAWN BY: Michael Foster	CHECKED: Leslie Daugherty		
QUANTITIES BY: Leslie Daugherty	CHECKED: Sara Manning		

SNOW RIVER WEST CHANNEL

SEWARD HIGHWAY

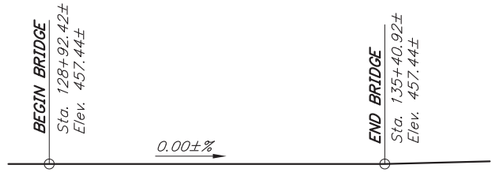
STEEL BRIDGE RAILING 2

BRIDGE NO. 603

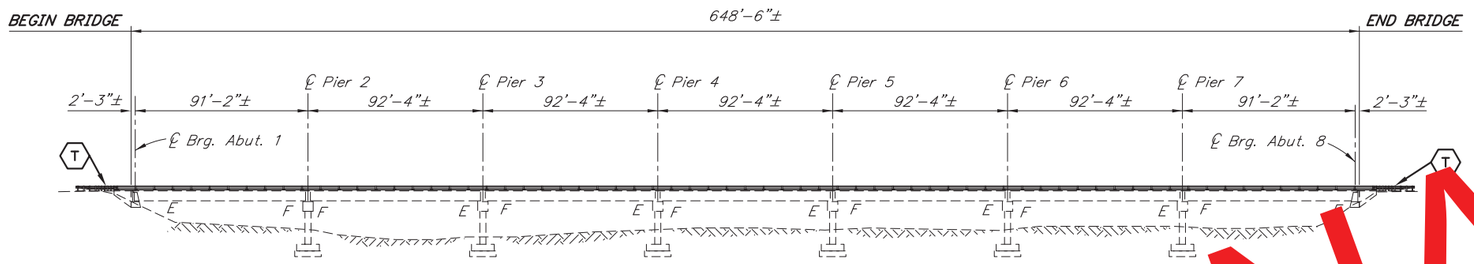
DWG. NO. 10

R:\cad\603,605,607\603-RAILING 2 Mon, Nov/16/20 08:18am

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	N12	N57

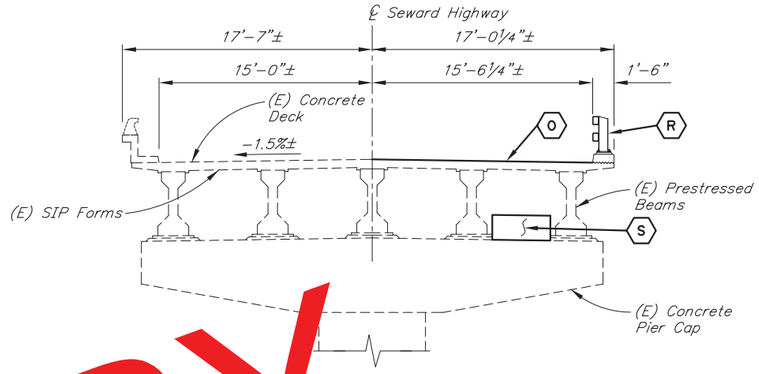


PROFILE GRADE
No Scale



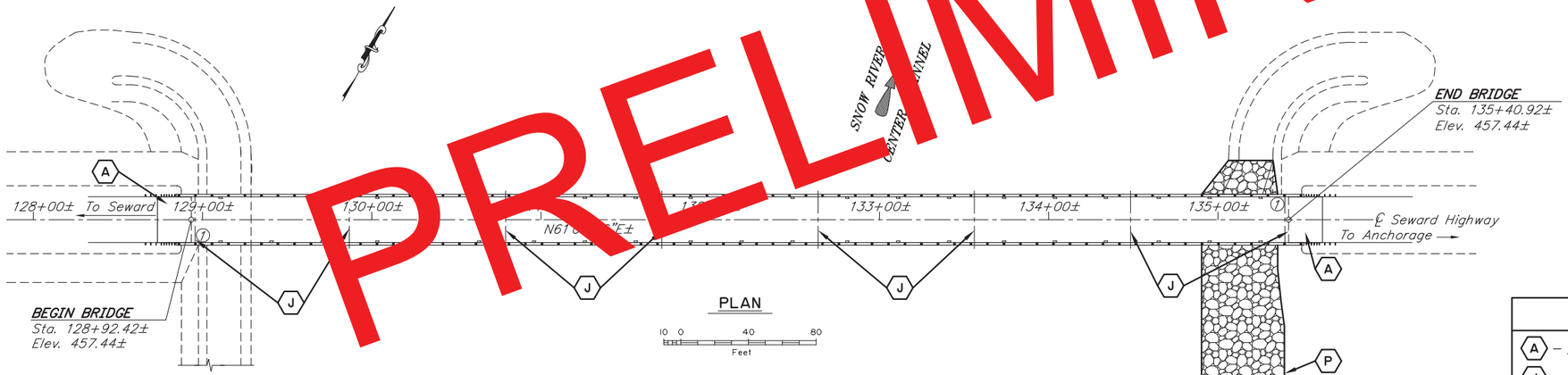
ELEVATION

10 0 40 80
Feet



TYPICAL SECTION

0 5 10
Feet



PLAN

10 0 40 80
Feet

PRELIMINARY

REHABILITATION

BRIDGE DRAWING INDEX	
TITLE	DWG. NO.
GENERAL LAYOUT	1
RIPRAP LAYOUT	2
ABUTMENTS	3
WINGWALLS	4
PIERS	5
DECK DETAILS	6
JOINT DETAILS	7
APPROACH SLABS	8
EXISTING RAIL DETAILS	9
STEEL BRIDGE RAILING	10
STEEL BRIDGE RAILING 2	11

LEGEND

- (A) – Install Approach Slab
- (J) – Rehabilitate Expansion Joint
- (O) – Place Polyester Concrete Overlay
- (P) – Place Riprap
- (R) – Replace Bridge Railing
- (S) – Install Shear Keys
- (T) – Install Transition Rail

NOTES:

(E) = Existing
– – – – – = Existing
——— = Proposed

For project stations and elevations see roadway sheets.

Verify controlling field dimensions before ordering or fabricating any material.

① *Approximate location of Bridge Number Plate.*

DESIGNED BY: Mary McRae	CHECKED: Leslie Daugherty	LAYOUT BY: Mary McRae	CHECKED BY: Leslie Daugherty
DRAWN BY: Michael Foster	CHECKED: Mary McRae	SPECIFICATIONS BY: Mary McRae	P S & E COMPARED: Leslie Daugherty
QUANTITIES BY: Mary McRae	CHECKED: Leslie Daugherty	APPROVAL RECOMMENDED BY: Rich Pratt	

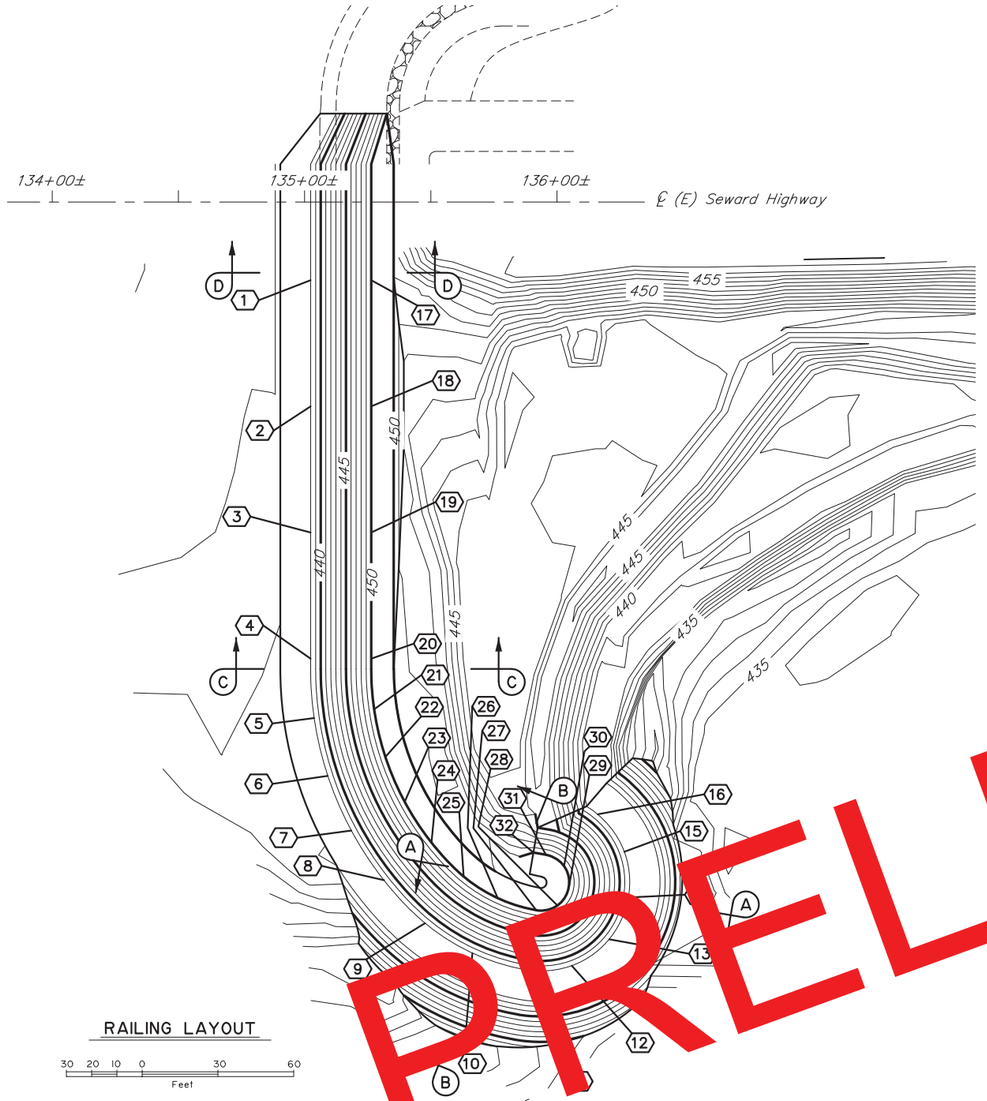
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

SNOW RIVER CENTER CHANNEL
SEWARD HIGHWAY
GENERAL LAYOUT

BRIDGE NO. 605
DWG. NO. 1

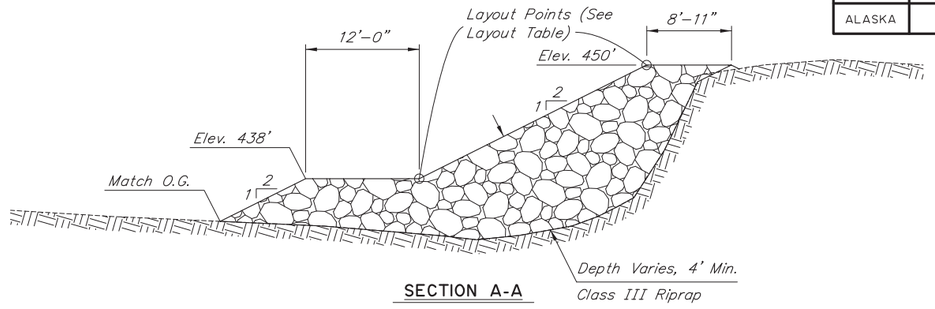
R:\cad\603,605,607\605-GENERAL Mon, Nov/16/20 08:13am

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	N13	N57



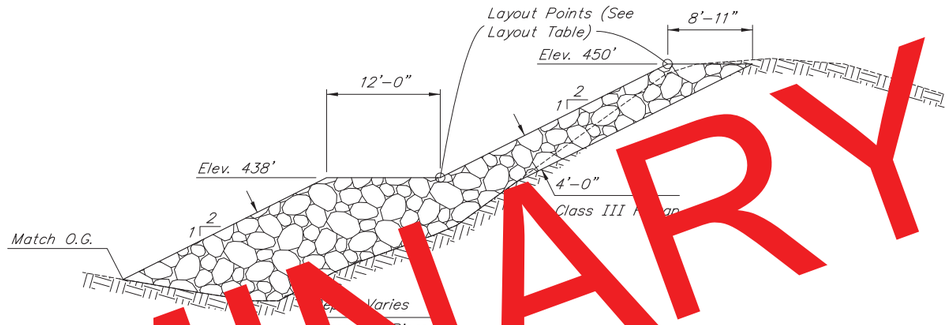
RAILING LAYOUT

30 20 10 0 30 60
Feet



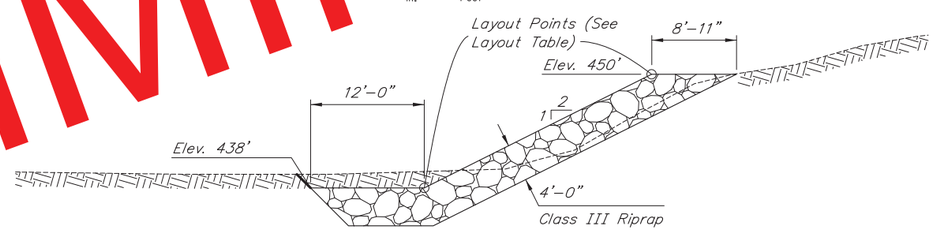
SECTION A-A

12 0 4 8 12
In. Feet



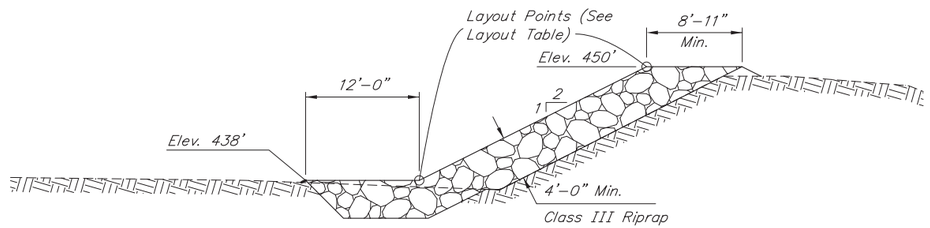
SECTION B-B

12 0 4 8 12
In. Feet



SECTION C-C

12 0 4 8 12
In. Feet



SECTION D-D

12 0 4 8 12
In. Feet

BRIDGE NO. 605 RIPRAP TABLE			
POINT	STATION	OFFSET	ELEV.
1	135+02.4	31.0' Right	438'
2	135+02.4	81.0' Right	438'
3	135+02.4	131.0' Right	438'
4	135+02.4	181.0' Right	438'
5	135+03.8	204.5' Right	438'
6	135+09.2	227.4' Right	438'
7	135+18.5	249.1' Right	438'
8	135+31.5	268.8' Right	438'
9	135+47.7	285.8' Right	438'
10	135+66.5	297.7' Right	438'
11	135+87.7	304.3' Right	438'
12	136+05.9	302.6' Right	438'
13	136+20.7	292.1' Right	438'
14	136+28.4	275.6' Right	438'
15	136+26.7	257.5' Right	438'
16	136+16.2	242.6' Right	438'
17	135+26.4	31.0' Right	450'
18	135+26.4	81.0' Right	450'
19	135+26.4	131.0' Right	450'
20	135+26.4	181.0' Right	450'
21	135+27.5	201.0' Right	450'
22	135+32.0	219.9' Right	450'
23	135+39.7	237.7' Right	450'
24	135+50.3	253.9' Right	450'
25	135+63.1	267.4' Right	450'
26	135+76.6	275.9' Right	450'
27	135+91.8	280.6' Right	450'
28	136+00.2	278.8' Right	450'
29	136+04.7	271.5' Right	450'
30	136+02.8	263.2' Right	450'
31	135+95.6	258.6' Right	450'
32	135+90.7	257.8' Right	450'

HYDRAULIC & HYDROLOGIC SUMMARY BRIDGE NO. 605	
Design Discharge (cfs)	45,000
Water Surface Elevation (ft)	446.9

Drainage Area: 158 square miles

Riprap was sized based on maximum discharge recorded during the flood of record, produced by a glacial outburst event in 2020.

NOTES:

(E) = Existing

– – – – – = Existing

——— = Proposed

Verify controlling field dimensions before ordering or fabricating any material.

DESIGNED BY: Michael Knapp	CHECKED: Dane Palmer	REHABILITATION	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES BRIDGE SECTION 3132 Channel Drive Juneau, Alaska 99801 907-465-2975
DRAWN BY: Michael Foster	CHECKED: Michael Knapp		
QUANTITIES BY: Dane Palmer	CHECKED: Michael Knapp		

SNOW RIVER CENTER CHANNEL

SEWARD HIGHWAY

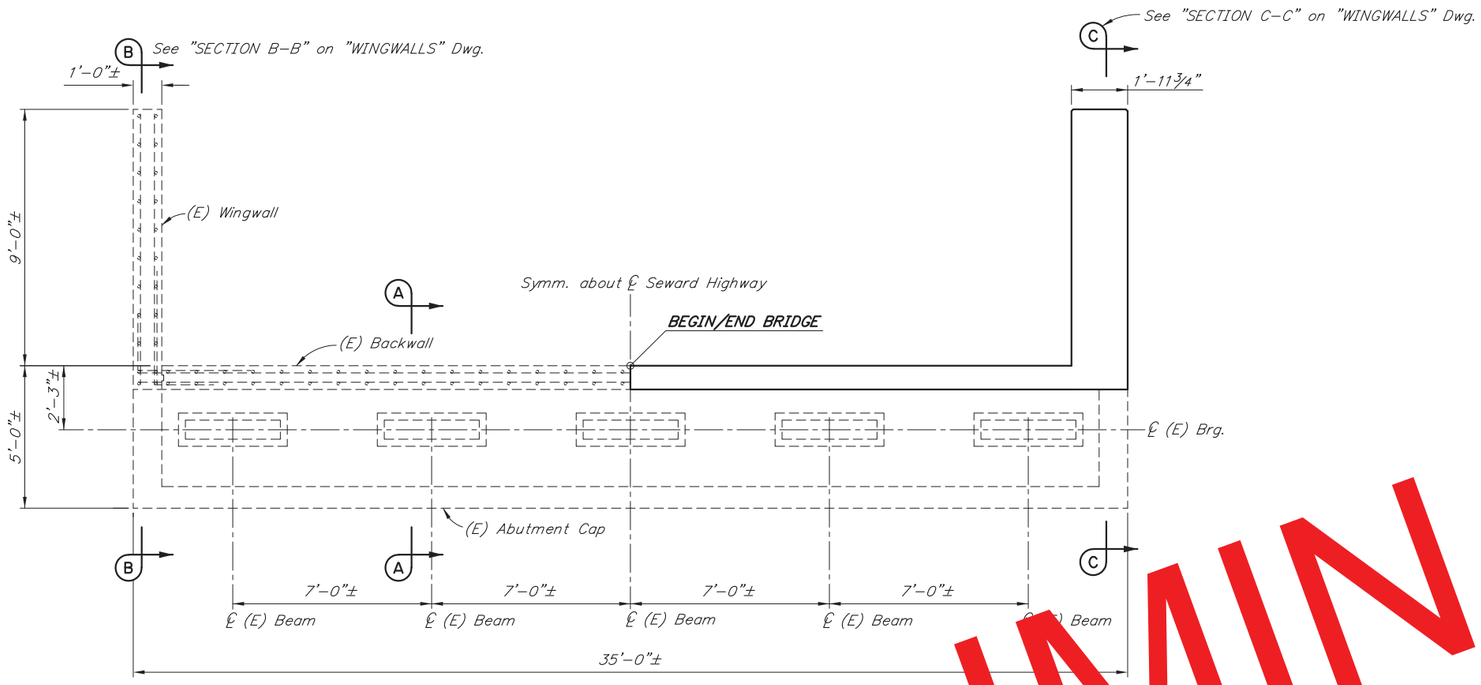
RIPRAP LAYOUT

BRIDGE NO. 605

DWG. NO. 2

R:\cad\603,605,607\605-RIPRAP Mon, Nov/16/20 08:13am

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	N14	N57

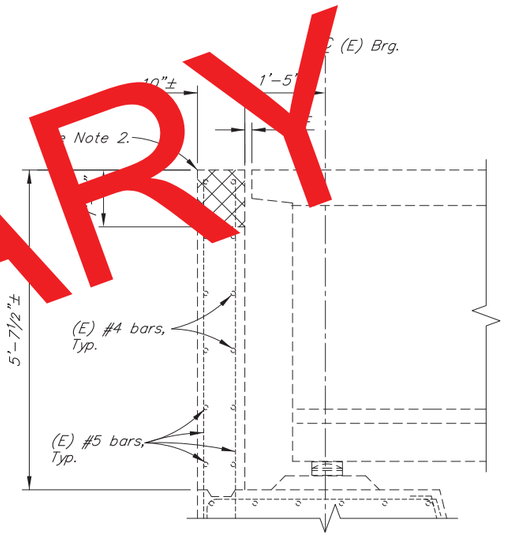


EXISTING

PROPOSED

PLAN

12 0 1 2
In. Feet



SECTION A-A

12 6 0 1 2 3
In. Feet

NOTES:

(E) = Existing

– – – – – = Existing

——— = Proposed

▨ = Limits of concrete removal

1. Verify controlling field dimensions before ordering or fabricating any material.
2. Steel headers not shown for clarity. Headers may not be present in all locations.

R:\cad\603,605,607\605-ABUT Mon, Nov/16/20 08:13am

DESIGNED BY: Mary McRae	CHECKED: Leslie Daugherty	**REHABILITATION**	STATE OF ALASKA **DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES** BRIDGE SECTION 3132 Channel Drive Juneau, Alaska 99801 907-465-2975
DRAWN BY: Michael Foster	CHECKED: Mary McRae		
QUANTITIES BY: Mary McRae	CHECKED: Leslie Daugherty		

SNOW RIVER CENTER CHANNEL

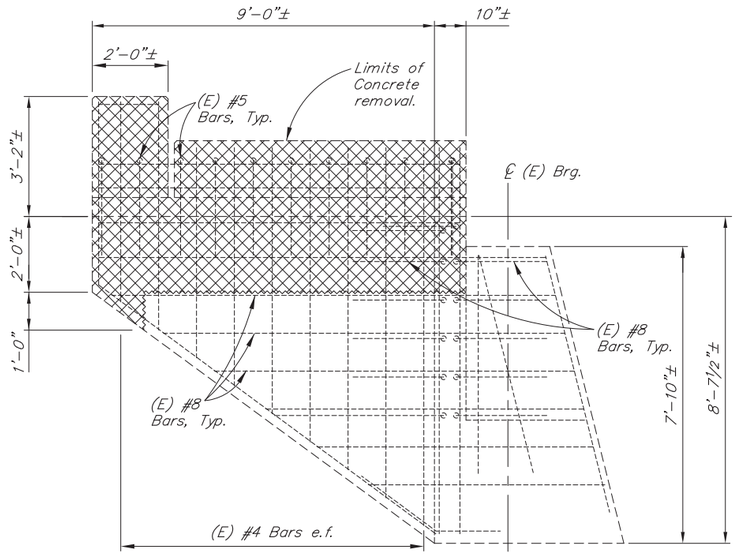
SEWARD HIGHWAY

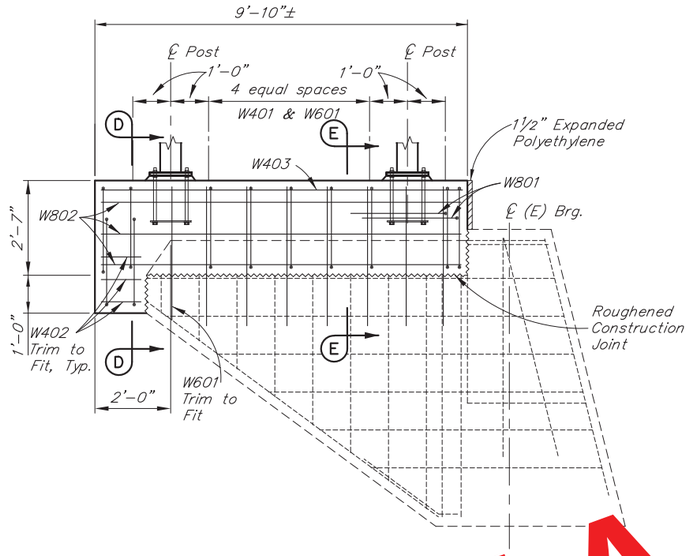
ABUTMENTS

BRIDGE NO. 605

DWG. NO. 3

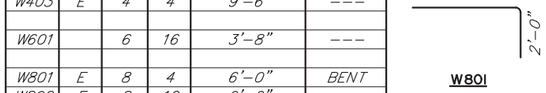
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	N15	N57



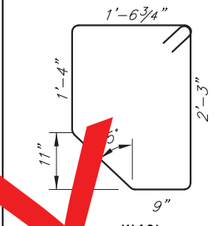


REINFORCING STEEL - ONE ABUTMENT

MARK	NOTE	SIZE	NO.	LENGTH	TYPE	BENDING DIAGRAM
W401	E	4	22	7'-10½"	STIRRUP	
W402	E	4	8	1'-6"	---	
W403	E	4	4	9'-6"	---	
W601		6	16	3'-8"	---	
W801	E	8	4	6'-0"	BENT	
W802	E	8	12	9'-6"	---	



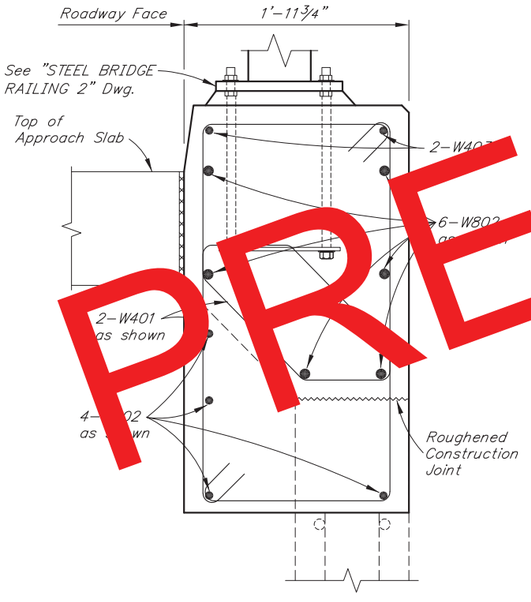
W801



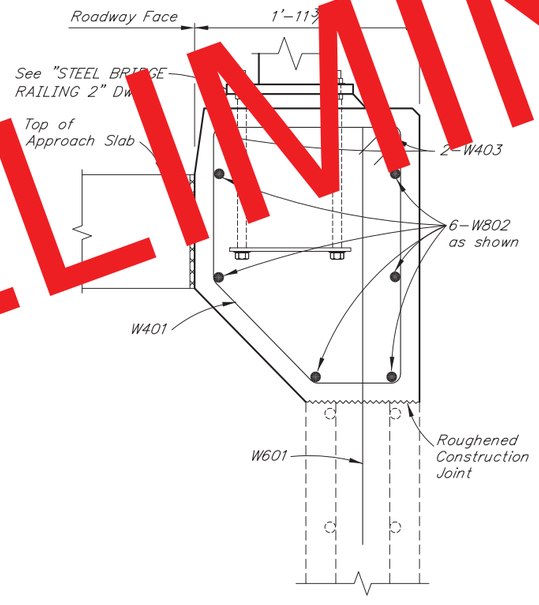
W401

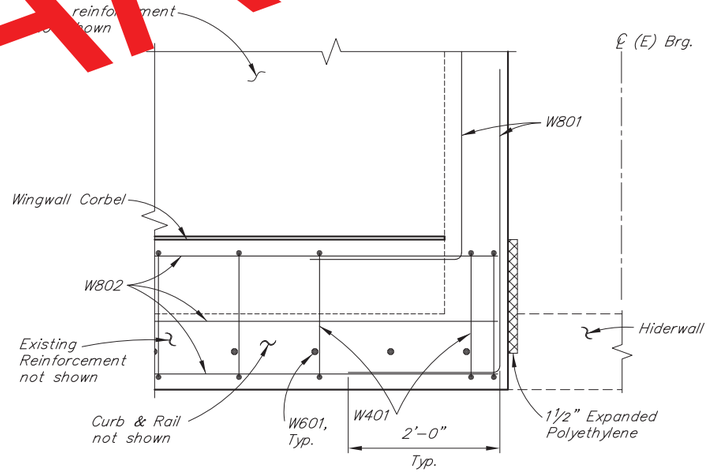
E – Epoxy Coated Reinforcing Steel

SECTION B-B



SECTION C-C





CORNER DETAILS

SECTION D-D

SECTION E-E

NOTES:

(E) = Existing

– – – – – = Existing

——— = Proposed

▨ = Limits of concrete removal

Verify controlling field dimensions before ordering or fabricating any material.

DESIGNED BY: Leslie Daugherty	CHECKED: Sara Manning	**REHABILITATION**	STATE OF ALASKA **DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES** BRIDGE SECTION 3132 Channel Drive Juneau, Alaska 99801 907-465-2975
DRAWN BY: Sam Sollie	CHECKED: Leslie Daugherty		
QUANTITIES BY: Leslie Daugherty	CHECKED: Sara Manning		

SNOW RIVER CENTER CHANNEL

SEWARD HIGHWAY

WINGWALLS

BRIDGE NO. 605

DWG. NO. 4

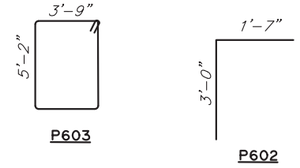
R:\cad\603,605,607\605-WINGWALLS Mon, Nov/16/20 08:13am

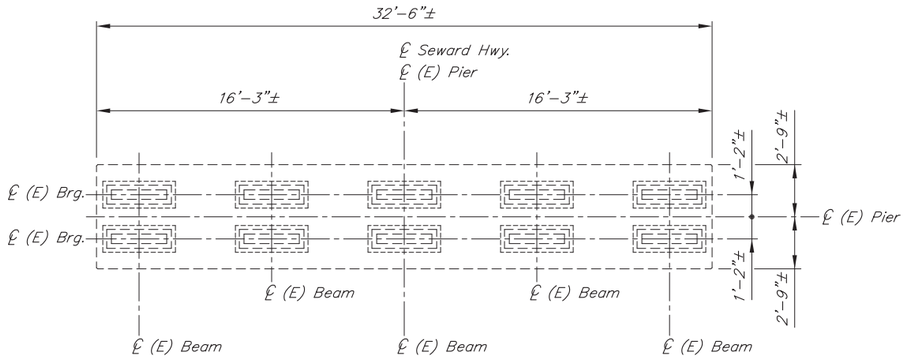
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	N16	N57

REINFORCING STEEL - PIER

MARK	NOTE	SIZE	NO.	LENGTH	TYPE
P601		6	36	3'-9"	---
P602		6	36	4'-7"	BENT
P603		6	6	19'-2"	STIRRUP

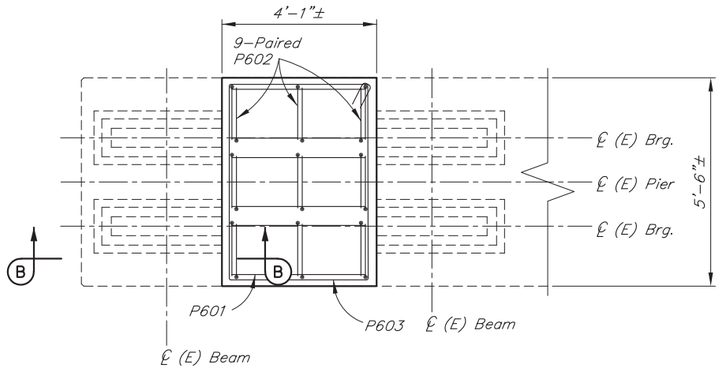
BENDING DIAGRAM





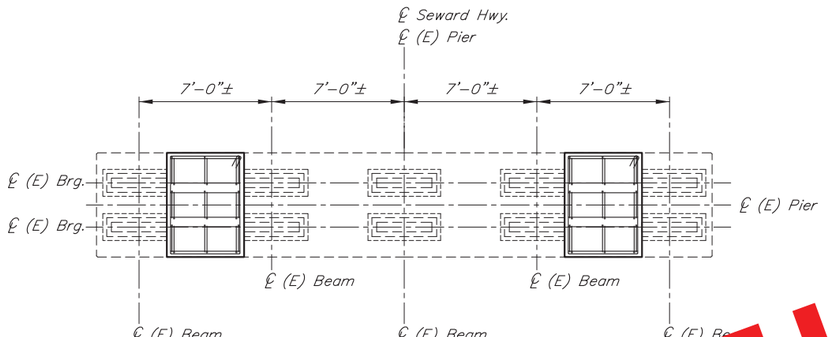
EXISTING PLAN

12 0 4 8 In. Feet



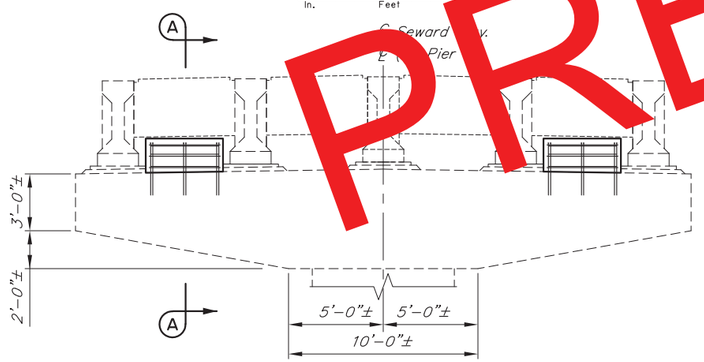
SHEAR KEY DETAIL

12 6 0 1 2 3 4 In. Feet



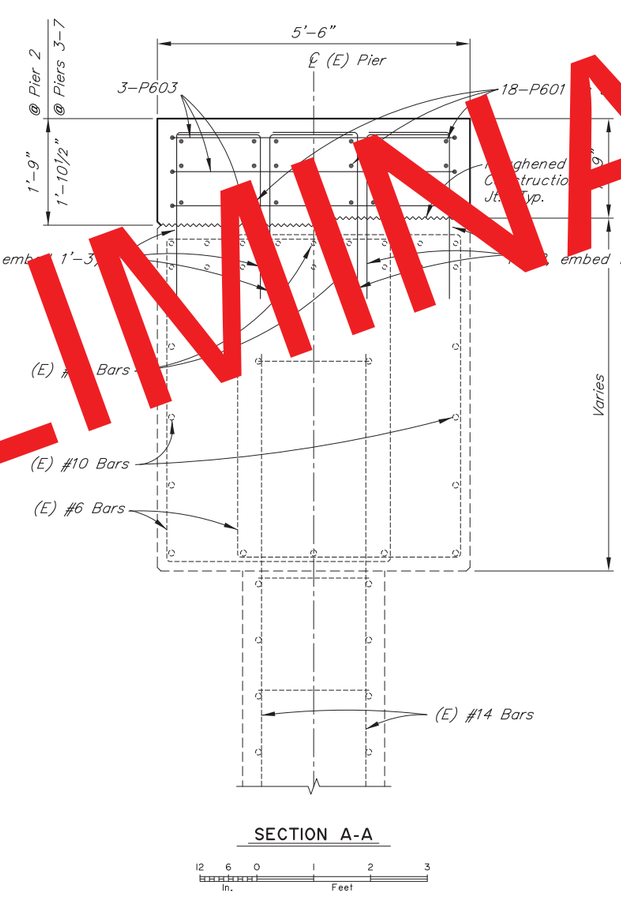
PROPOSED PLAN

12 0 4 8 In. Feet



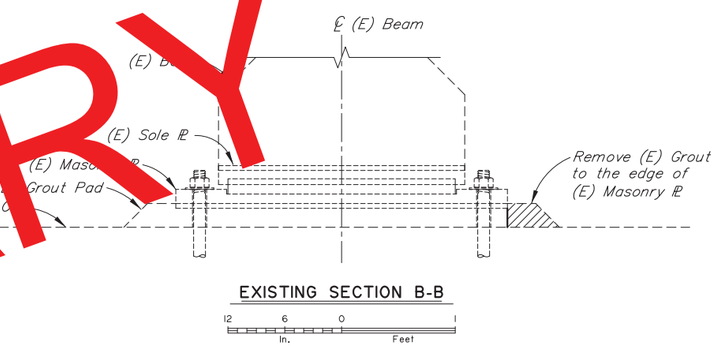
PROPOSED ELEVATION

12 0 4 8 In. Feet



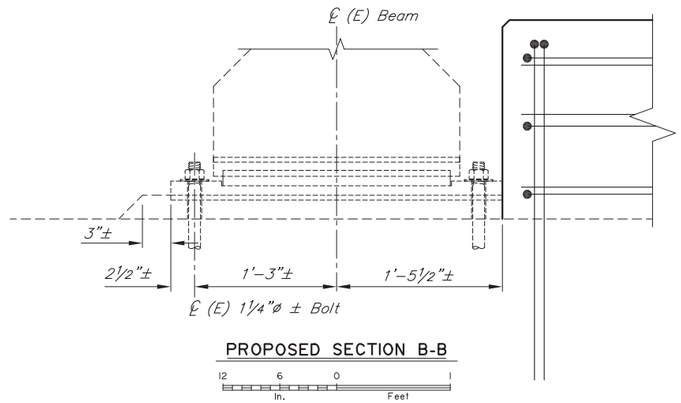
SECTION A-A

12 6 0 1 2 3 In. Feet



EXISTING SECTION B-B

12 6 0 In. Feet



PROPOSED SECTION B-B

12 6 0 In. Feet

NOTES:

(E) = Existing

------ = Existing

——— = Proposed

Verify controlling field dimensions before ordering or fabricating any material.

R:\cad\603,605,607\605-PIERS Mon, Nov/16/20 08:13am

DESIGNED BY: Sara Manning	CHECKED: Leslie Daugherty	**REHABILITATION**	STATE OF ALASKA **DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES** BRIDGE SECTION 3132 Channel Drive Juneau, Alaska 99801 907-465-2975
DRAWN BY: Michael Foster	CHECKED: Sara Manning		
QUANTITIES BY: Sara Manning	CHECKED: Leslie Daugherty		

SNOW RIVER CENTER CHANNEL

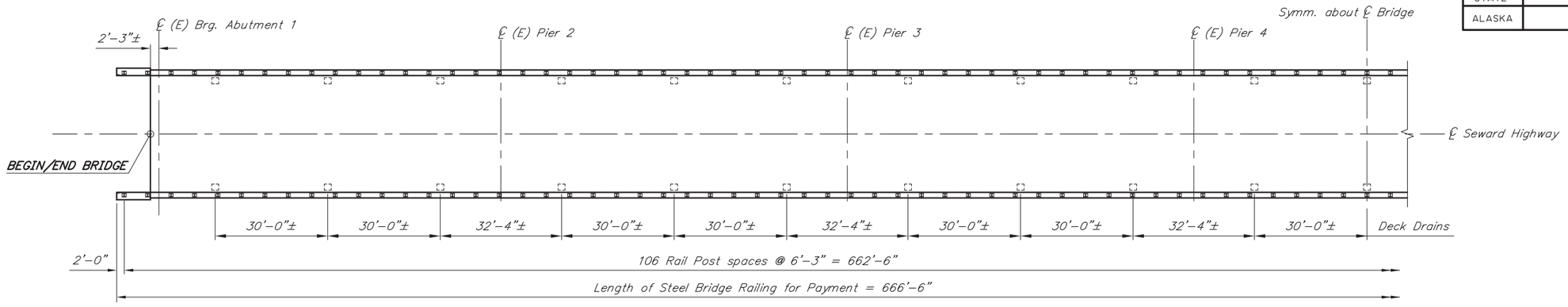
SEWARD HIGHWAY

PIERS

BRIDGE NO. 605

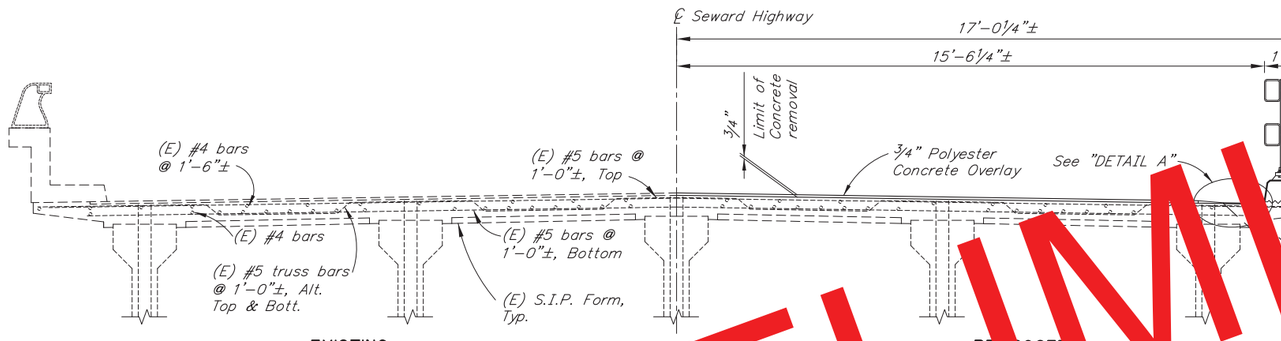
DWG. NO. 5

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	N17	N57



DECK PLAN

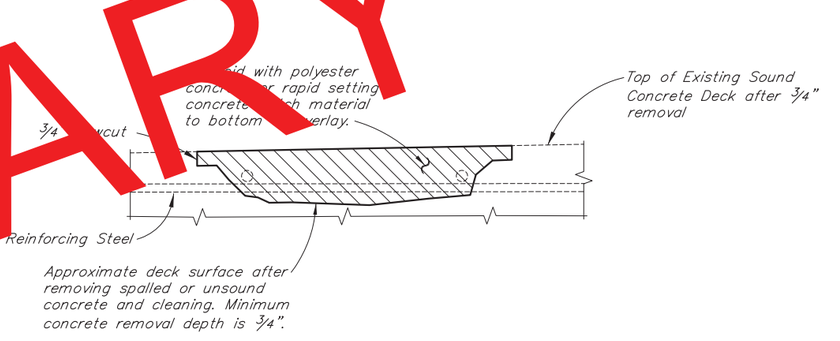
24 0 4 8 12 16 20 24
In. Feet



EXISTING

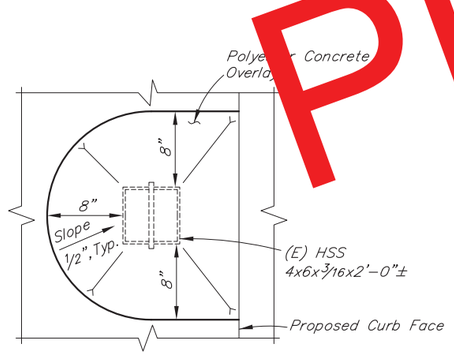
TYPICAL SECTION

PROPOSED



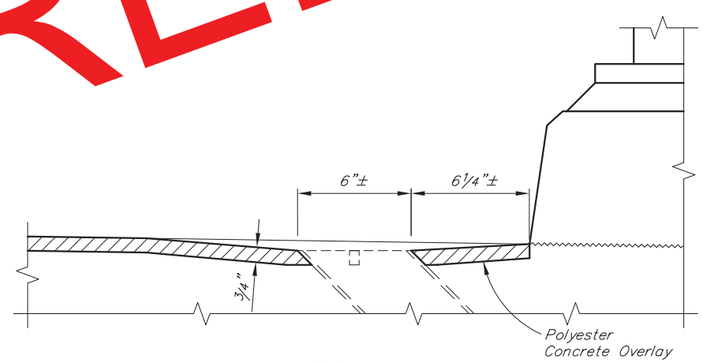
DECK REPAIR DETAIL

6 3 0
In. Feet



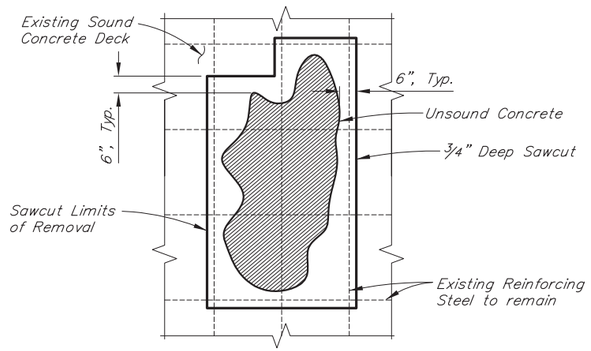
PROPOSED DRAIN PLAN

12 6 0
In. Feet



DETAIL A

6 3 0
In. Feet



CONCRETE DECK REPAIR PLAN

No Scale

NOTES:

(E) = Existing

- - - - - = Existing

——— = Proposed

1. Verify controlling field dimensions before ordering or fabricating any material.
2. See "EXISTING RAIL DETAILS" for Abutment Joint details.

PRELIMINARY

DESIGNED BY: Mary McRae	CHECKED: Leslie Daugherty	REHABILITATION	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES BRIDGE SECTION 3132 Channel Drive Juneau, Alaska 99801 907-465-2975
DRAWN BY: Michael Foster	CHECKED: Mary McRae		
QUANTITIES BY: Mary McRae	CHECKED: Leslie Daugherty		

SNOW RIVER CENTER CHANNEL

SEWARD HIGHWAY

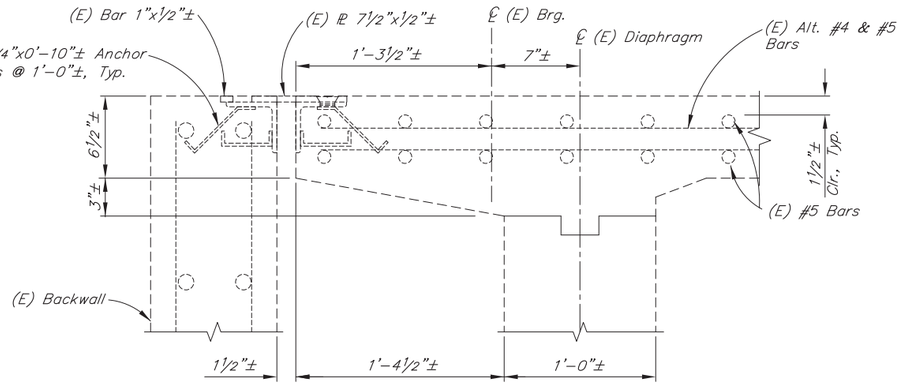
DECK DETAILS

BRIDGE NO. 605

DWG. NO. 6

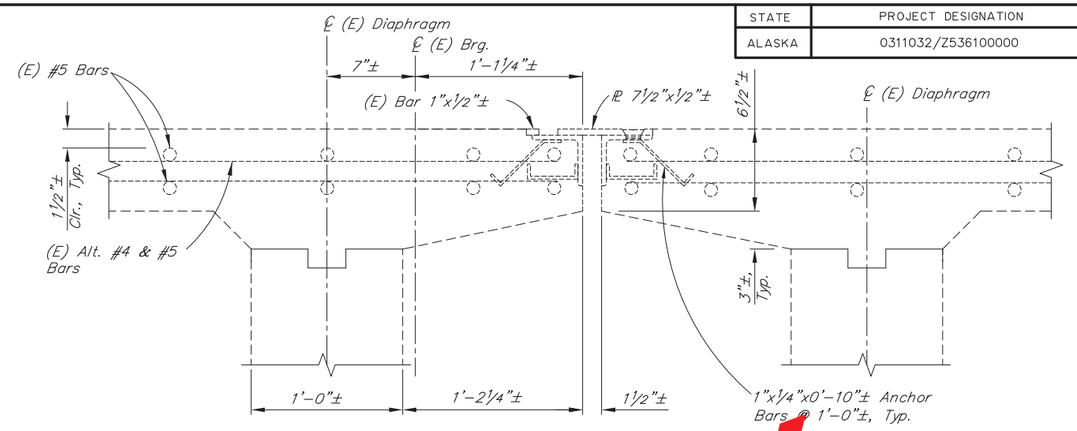
R:\cad\603,605,607\605-DECK Mon, Nov/16/20 08:13am

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	N18	N57



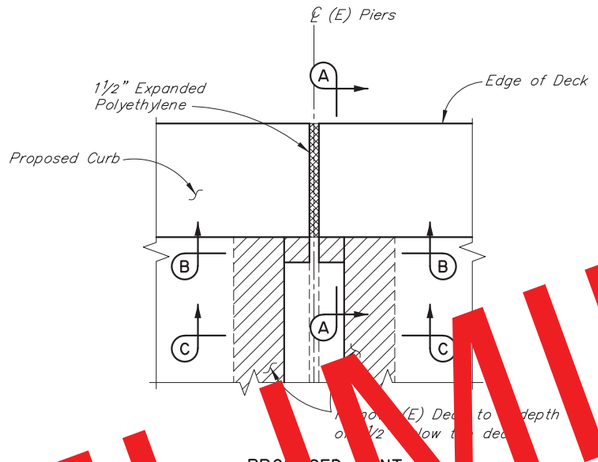
EXISTING ABUTMENT JOINTS

No Scale



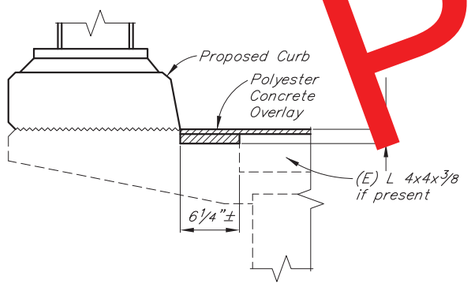
EXISTING PIER JOINT

No Scale



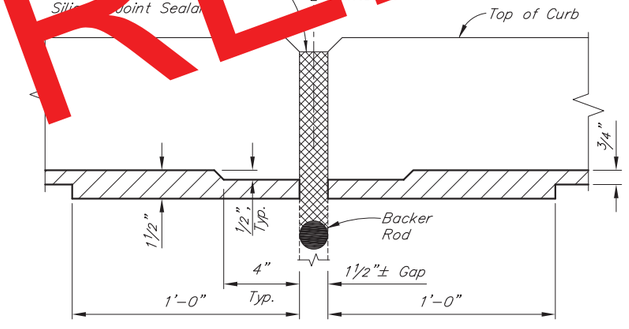
PROPOSED JOINT

12 6 0 1 2
In. Feet



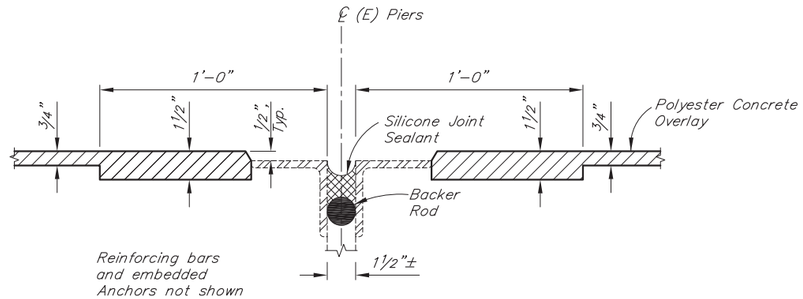
SECTION A-A

12 6 0 1
In. Feet



SECTION B-B

6 3 0 1
In. Feet



SECTION C-C

6 3 0 1
In. Feet

NOTES:

(E) = Existing

– – – – – = Existing

——— = Proposed

1. Verify controlling field dimensions before ordering or fabricating any material.
2. Leave embedded steel hardware intact.
3. At roadway exposed by curb removal, place Polyester Concrete Overlay to match adjacent roadway or header grade.
4. See "APPROACH SLABS" Dwg. for proposed Abutment Joints.

PRELIMINARY

DESIGNED BY: Mary McRae	CHECKED: Leslie Daugherty	**REHABILITATION**	STATE OF ALASKA **DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES** BRIDGE SECTION 3132 Channel Drive Juneau, Alaska 99801 907-465-2975
DRAWN BY: Michael Foster	CHECKED: Mary McRae		
QUANTITIES BY: Mary McRae	CHECKED: Leslie Daugherty		

SNOW RIVER CENTER CHANNEL

SEWARD HIGHWAY

JOINT DETAILS

BRIDGE NO. 605

DWG. NO. 7

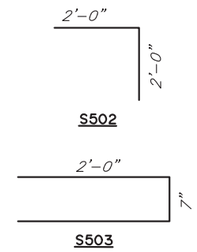
R:\cad\603,605,607\605-JOINTS Mon, Nov/16/20 08:13am

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	N19	N57

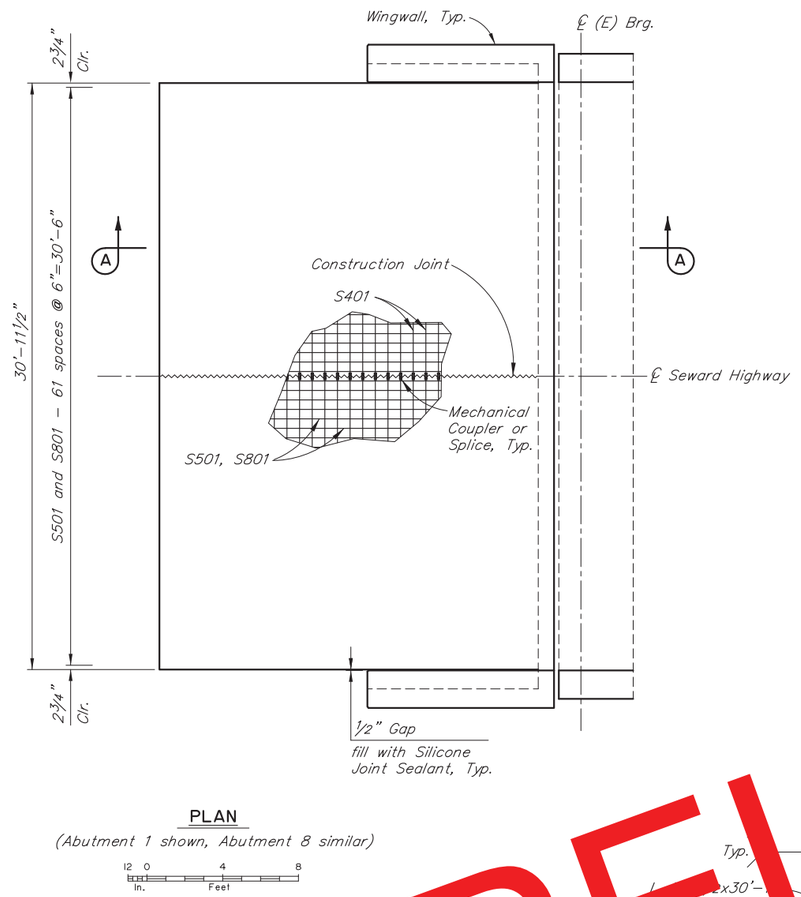
REINFORCING STEEL - ONE SLAB

MARK	NOTE	SIZE	NO.	LENGTH	TYPE
S401	E,M,S	4	64	30'-6"	---
S501	E	5	62	20'-8"	---
S502	E	5	31	4'-0"	BENT
S503	E	5	31	4'-7"	BENT
S801	E	8	62	20'-8"	---

BENDING DIAGRAM



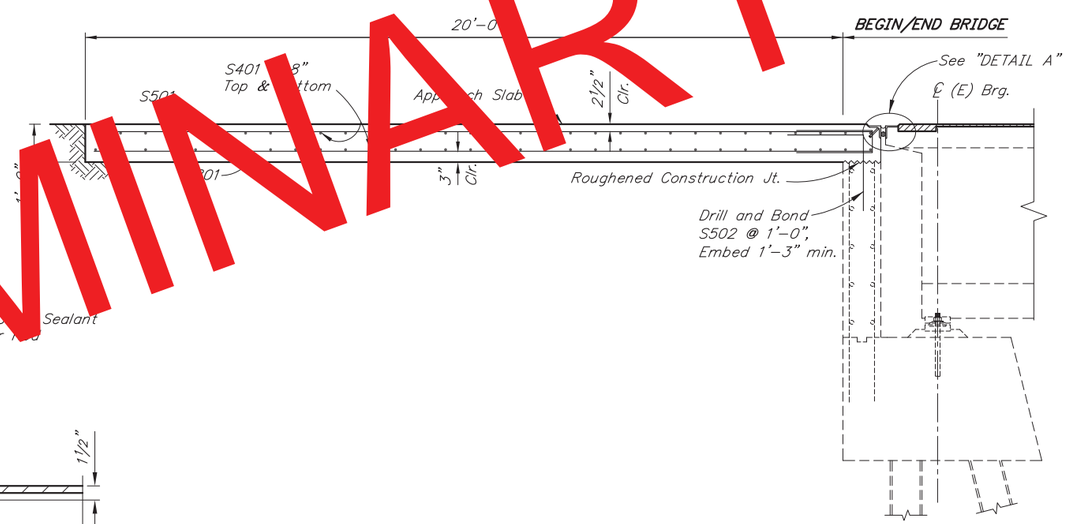
M – Match cross s e
S – Splice or Mec ical Coupler permitted. Splice length not included.
E – oxy-Coated einforcing Steel



PLAN

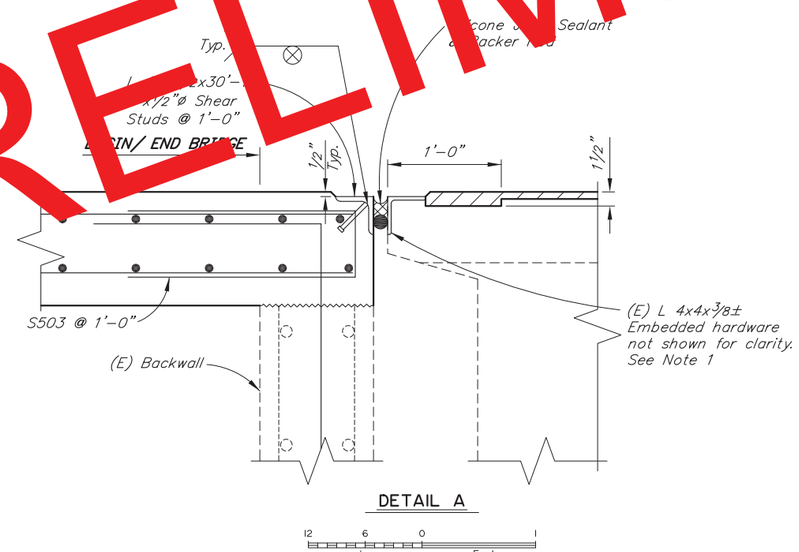
(Abutment 1 shown, Abutment 8 similar)

12 0 4 8
In. Feet



SECTION A-A

12 6 0 1 2 3 4
In. Feet



DETAIL A

12 6 0 1
In. Feet

NOTES:

(E) = Existing
– – – – – = Existing
——— = Proposed

1. Steel headers not present in all locations. When missing, finish similar to "SECTION B–B" on "JOINT DETAILS" Dwg.
2. Verify controlling field dimensions before ordering or fabricating any material.

DESIGNED BY: Mary McRae	CHECKED: Leslie Daugherty	REHABILITATION	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES BRIDGE SECTION 3132 Channel Drive Juneau, Alaska 99801 907-465-2975
DRAWN BY: Michael Foster	CHECKED: Mary McRae		
QUANTITIES BY: Mary McRae	CHECKED: Leslie Daugherty		

SNOW RIVER CENTER CHANNEL

SEWARD HIGHWAY

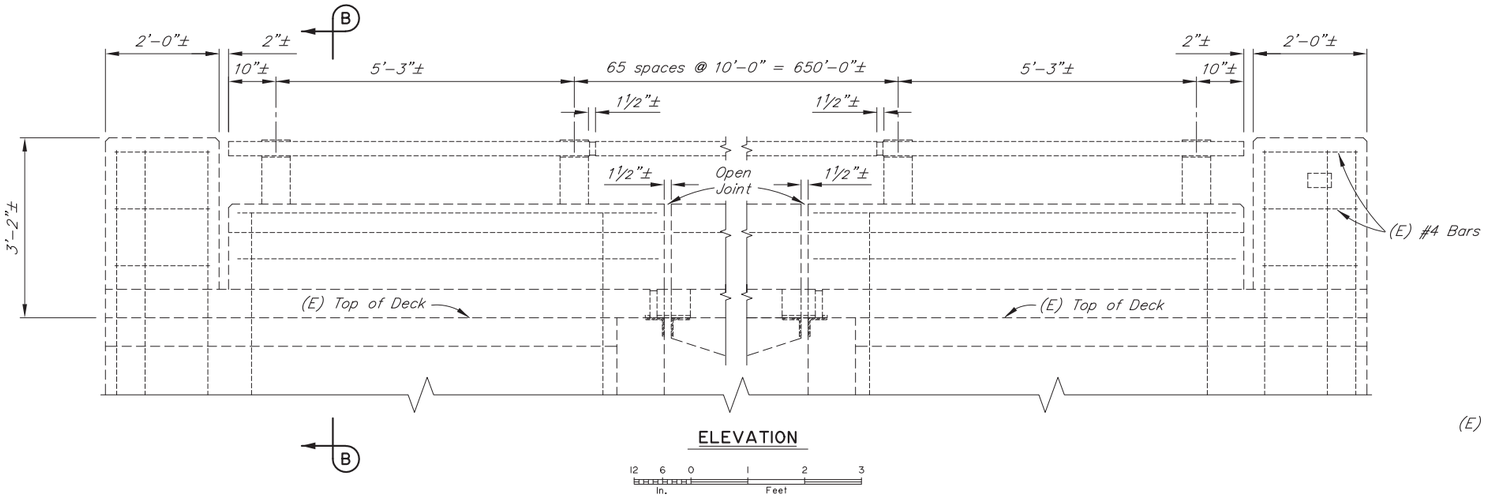
APPROACH SLABS

BRIDGE NO. 605

DWG. NO. 8

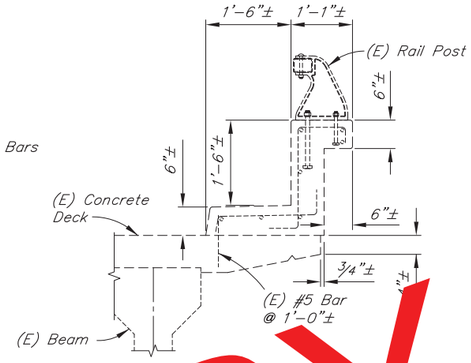
R:\cad\603,605,607\605-SLABS Mon, Nov/16/20 08:13am

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	N20	N57



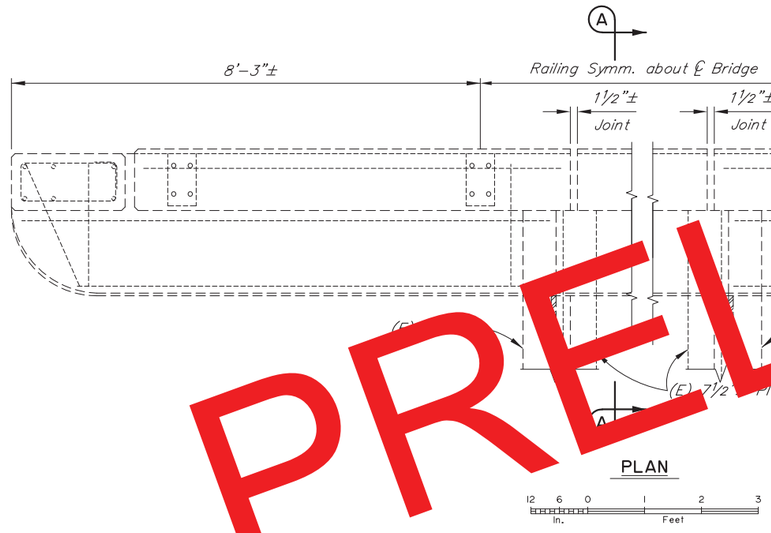
ELEVATION

12 6 0 1 2 3
In. Feet



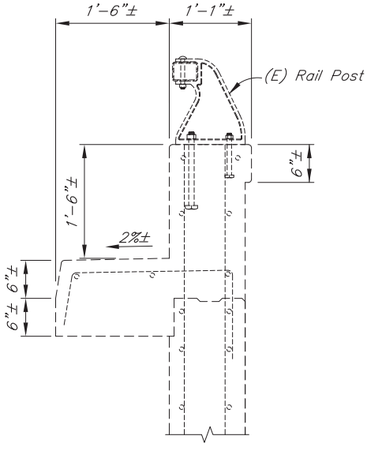
TYPICAL SECTION

12 6 0 1 2 3
In. Feet



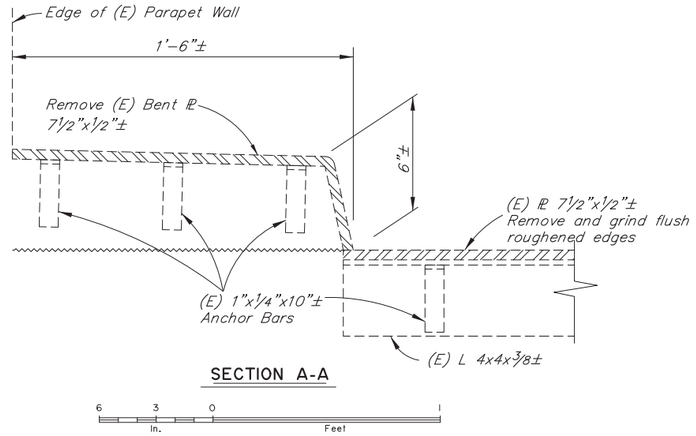
PLAN

12 6 0 1 2 3
In. Feet



SECTION B-B

12 6 0 1 2
In. Feet



SECTION A-A

6 3 0 1
In. Feet

NOTES:

(E) = Existing
- - - - - = Existing
——— = Proposed

Verify controlling field dimensions before ordering or fabricating any material.

DESIGNED BY: Mary McRae	CHECKED: Leslie Daugherty	**REHABILITATION**	STATE OF ALASKA **DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES** BRIDGE SECTION 3132 Channel Drive Juneau, Alaska 99801 907-465-2975
DRAWN BY: Michael Foster	CHECKED: Mary McRae		
QUANTITIES BY: Mary McRae	CHECKED: Leslie Daugherty		

SNOW RIVER CENTER CHANNEL

SEWARD HIGHWAY

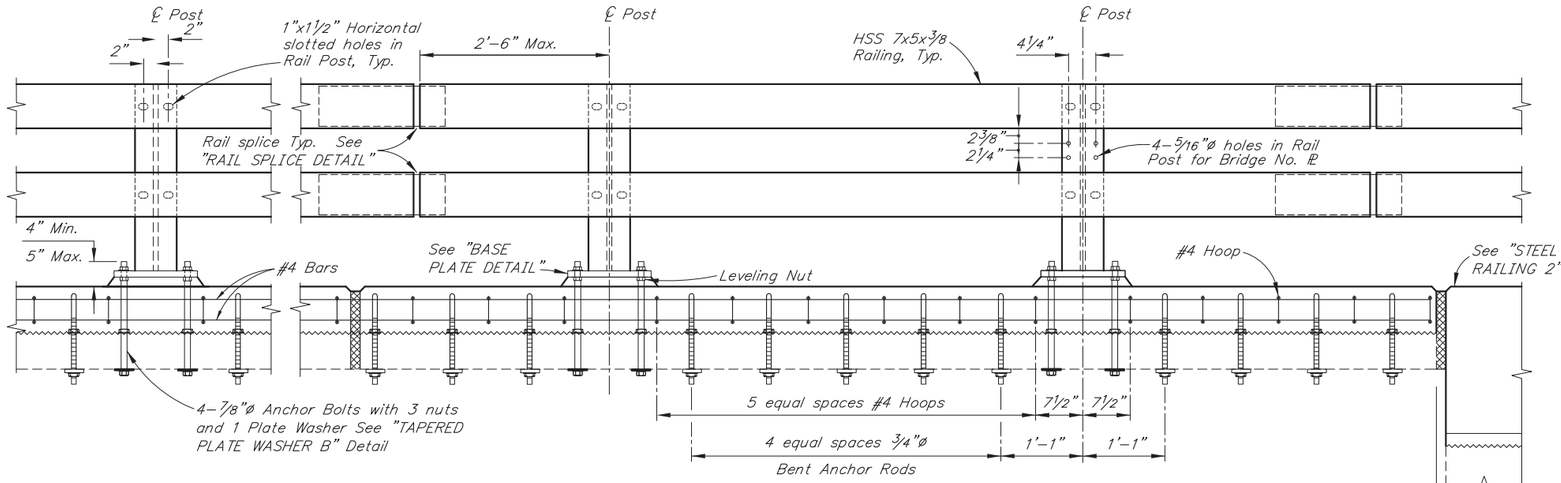
EXISTING RAIL DETAILS

BRIDGE NO. 605

DWG. NO. 9

R:\cad\603,605,607\605-E RAIL Mon, Nov/16/20 08:13am

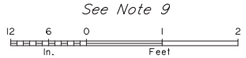
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	N21	N57

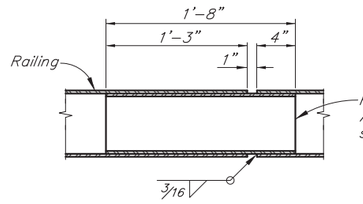


TYPICAL POST ELEVATION

EXPANSION JOINT

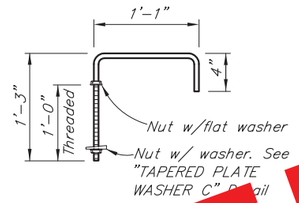
See Note 9





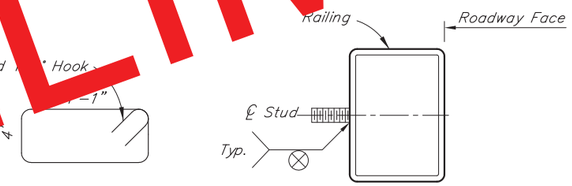
RAIL SPLICE DETAIL

No Scale



¾"ø BENT ANCHOR ROD

No Scale

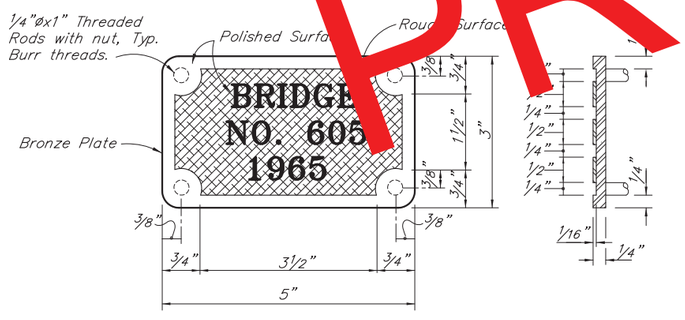


#4 HOOP DETAIL

No Scale

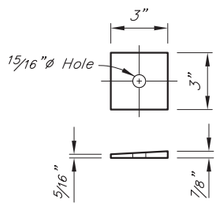
RAILING STUD DETAIL

No Scale



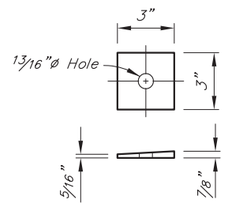
BRONZE BRIDGE NO. PLATE

No Scale



TAPERED PLATE WASHER B

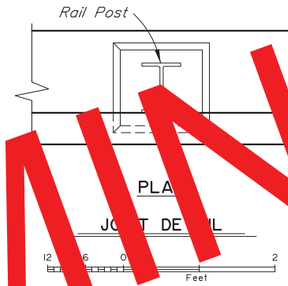
No Scale

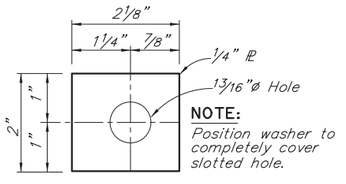


TAPERED PLATE WASHER C

No Scale

ELEVATION

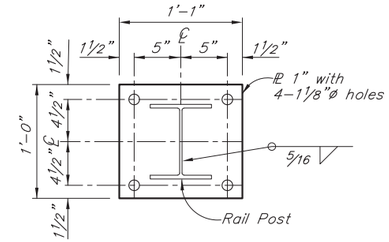




NOTE:
Position washer to completely cover slotted hole.

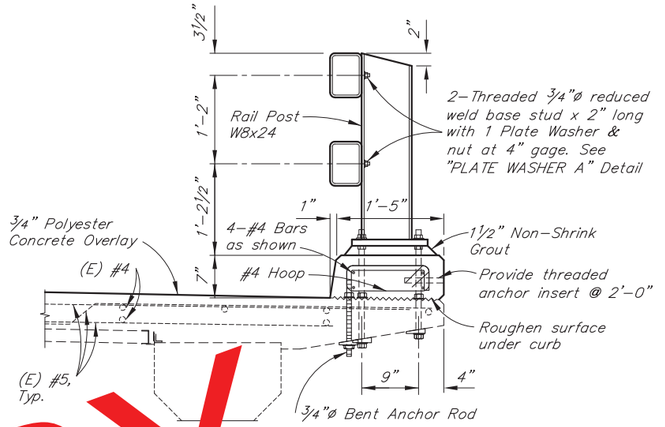
PLATE WASHER A

No Scale

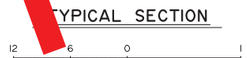


BASE PLATE DETAIL

No Scale



TYPICAL SECTION



NOTES:

(E) = Existing
– – – – – = Existing
——— = Proposed

1. *Verify controlling field dimensions before ordering or fabricating any material.*
2. *Furnish two bridge no. plates. Use "Century" type style lettering. Use studs and nuts that conform to UNS C65100 or UNS C65500. Braze ¼"ø threaded rod to back of plate with nut (4 req'd.). Use tamperproof nuts.*
3. *Locate bridge no. plates as shown on "GENERAL LAYOUT" Dwg. (2 total)*
4. *Provide railing expansion joints at 50'-0" maximum intervals. Install railing continuous over 2 posts minimum. Install railing expansion joints in rail panels that span bridge expansion joints.*
5. *See "DECK DETAILS" Dwg. for rail post spacing.*
6. *Install bridge rail posts plumb.*
7. *Use grout with a minimum 24 hour f'c of 3,000 psi.*
8. *Core and bond anchor bolts through the existing deck and existing rail hardware. Drill and bond ¾"ø bent anchor rods through the existing deck. Adjust anchor rod spacing to avoid existing reinforcing.*
9. *Adjust hoops and ¾"ø bent anchor rods at joints. Maintain spacing shown.*

DESIGNED BY: Andrew Wells	CHECKED: Leslie Daugherty	**REHABILITATION**	STATE OF ALASKA **DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES** BRIDGE SECTION 3132 Channel Drive Juneau, Alaska 99801 907-465-2975
DRAWN BY: Michael Foster	CHECKED: Andrew Wells		
QUANTITIES BY: Andrew Wells	CHECKED: Leslie Daugherty		

SNOW RIVER CENTER CHANNEL

SEWARD HIGHWAY

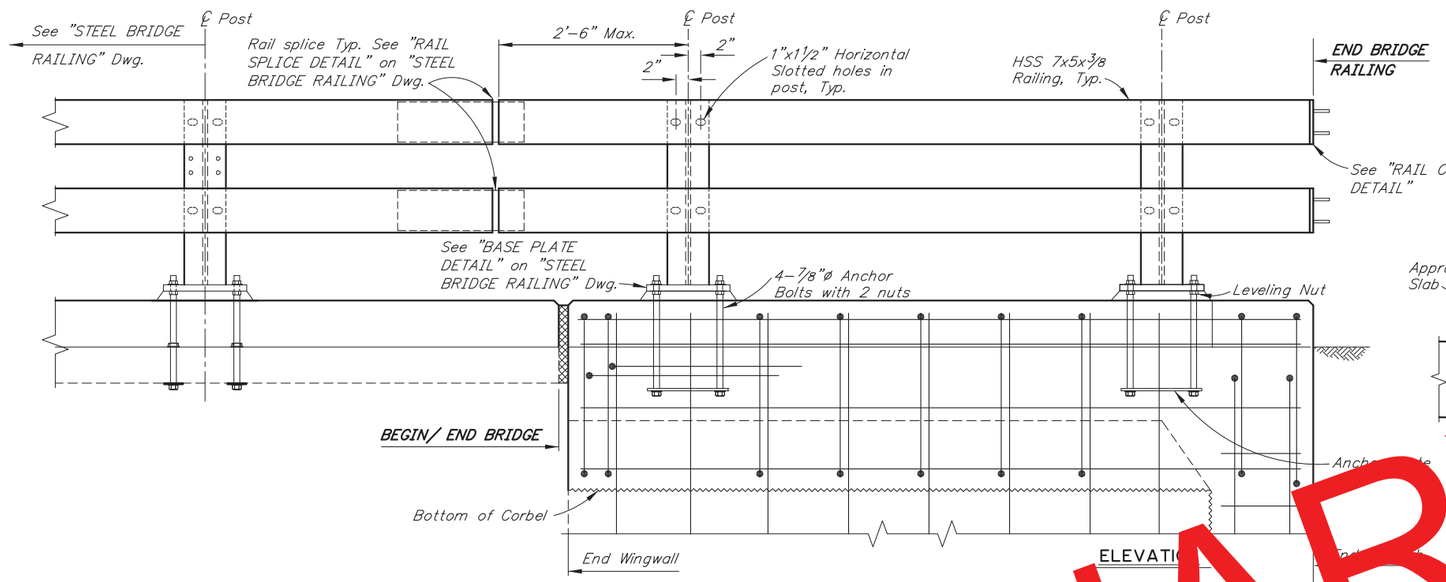
STEEL BRIDGE RAILING

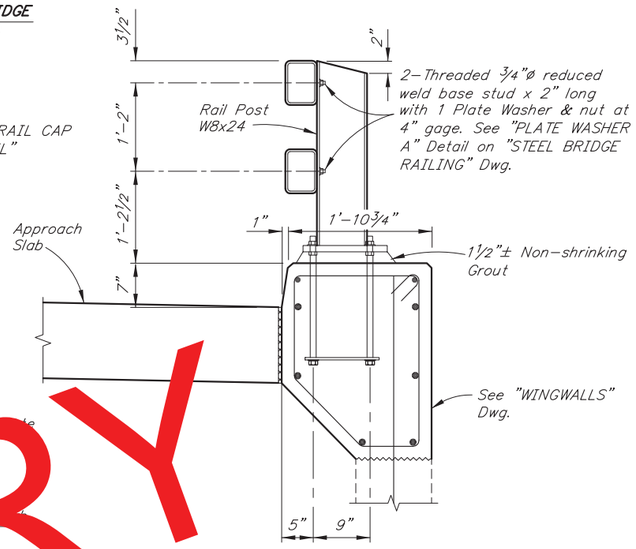
BRIDGE NO. 605

DWG. NO. 10

R:\cad\603,605,607\605-RAILING Mon, Nov/16/20 08:13am

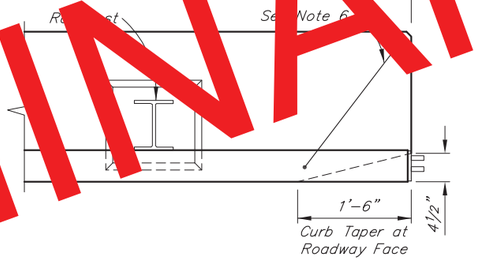
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	N22	N57





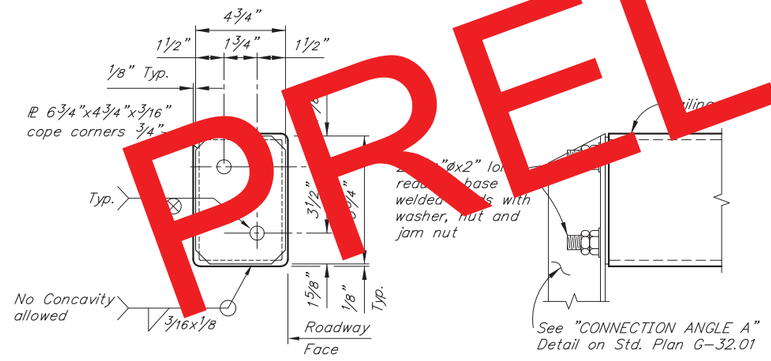
TYPICAL SECTION

12 6 0 1 2
In. Feet



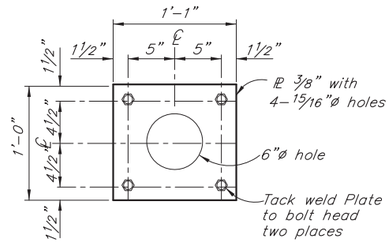
PLAN

12 6 0 1 2
In. Feet



RAIL CAP DETAIL

6 3 0 1
In. Feet



ANCHOR PLATE DETAIL

No Scale

NOTES:

(E) = Existing
– – – – – = Existing
——— = Proposed

1. Verify controlling field dimensions before ordering or fabricating any material.
2. Make railing continuous over wingwalls with a rail splice in the rail panel over expansion joints.
3. See "DECK DETAILS" Dwg. for rail post spacing. See "PROPOSED WINGWALLS" Dwg. for wingwall dimensions and bar spacing
4. Install bridge rail posts plumb.
5. Use grout with a minimum 24 hour f'c of 3,000 psi.
6. Angle bars to accommodate curb taper.
7. See "STEEL BRIDGE RAILING" Dwg. for bridge railing details not shown.
8. See Std. Plan G-32.01 for "MASH BRIDGE RAIL THRIE BEAM TRANSITION" Dwg.

DESIGNED BY: Leslie Daugherty	CHECKED: Sara Manning	REHABILITATION	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES BRIDGE SECTION 3132 Channel Drive Juneau, Alaska 99801 907-465-2975
DRAWN BY: Michael Foster	CHECKED: Leslie Daugherty		
QUANTITIES BY: Leslie Daugherty	CHECKED: Sara Manning		

SNOW RIVER CENTER CHANNEL

SEWARD HIGHWAY

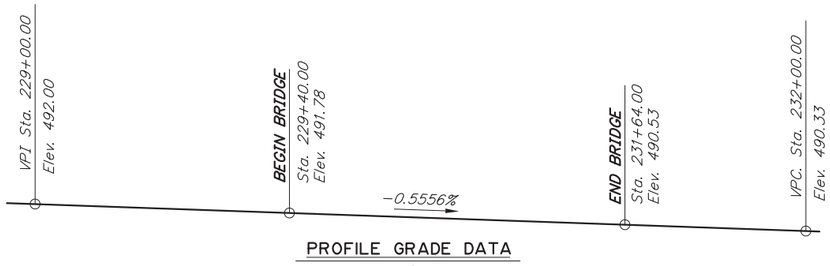
STEEL BRIDGE RAILING 2

BRIDGE NO. 605

DWG. NO. 11

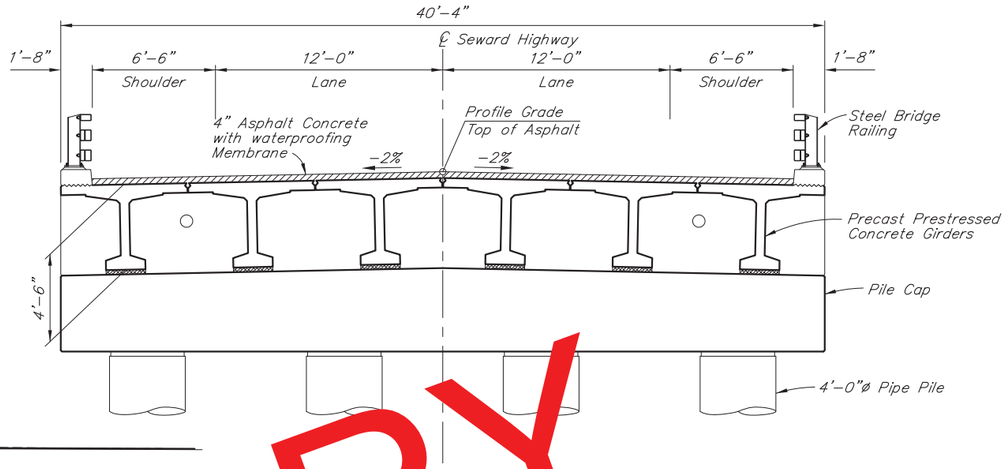
R:\cad\603,605,607\605-RAILING (2) Mon, Nov/16/20 08:13am

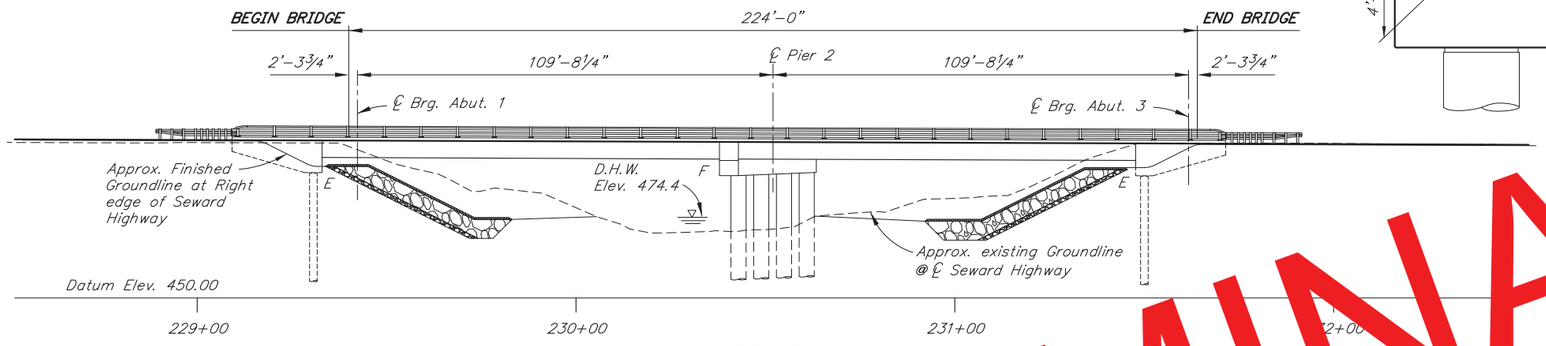
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2020	N23	N57



PROFILE GRADE DATA

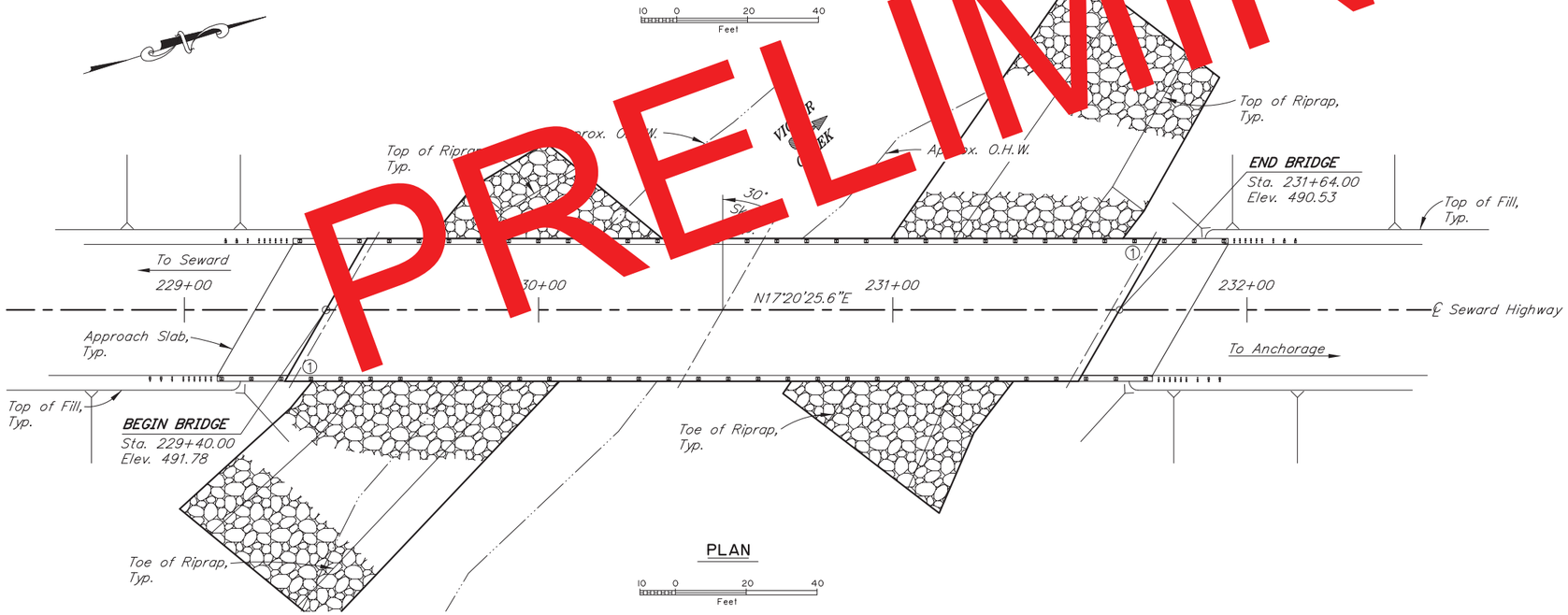
No Scale





ELEVATION

10 0 20 40
Feet



PLAN

10 0 20 40
Feet

PRELIMINARY

BRIDGE DRAWING INDEX

TITLE	DWG. NO.
GENERAL LAYOUT	1
SITE PLAN	2
RIPRAP LAYOUT	3
RIPRAP SECTIONS	4
ABUTMENT 1	5
ABUTMENT 3	6
ABUTMENT DETAILS	7
WINGWALLS	8
PIER 2	9
PIER 2 DETAILS	10
FRAMING PLAN AND TYPICAL SECTION	11
GIRDERS	12
GIRDER DETAILS	13
APPROACH SLABS	14
STEEL BRIDGE RAILING, 3-TUBE	15
TRANSITION RAIL, 3-TUBE	16
TEST HOLE LOGS AND LOCATIONS	17-22

① *Approximate location of Bridge Number Plate.*

DESIGNED BY: *Elmer Marx*	CHECKED: *Nick Murray*	LAYOUT BY: *Elmer Marx*	CHECKED BY: *Nick Murray*
DRAWN BY: *Sam Sollie*	CHECKED: *Elmer Marx*	SPECIFICATIONS BY: *Elmer Marx*	P S & E COMPARED: *Nick Murray*
QUANTITIES BY: *Elmer Marx*	CHECKED: *Nick Murray*	APPROVAL RECOMMENDED BY: *Rich Pratt*	

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

VICTOR CREEK BRIDGE

SEWARD HIGHWAY

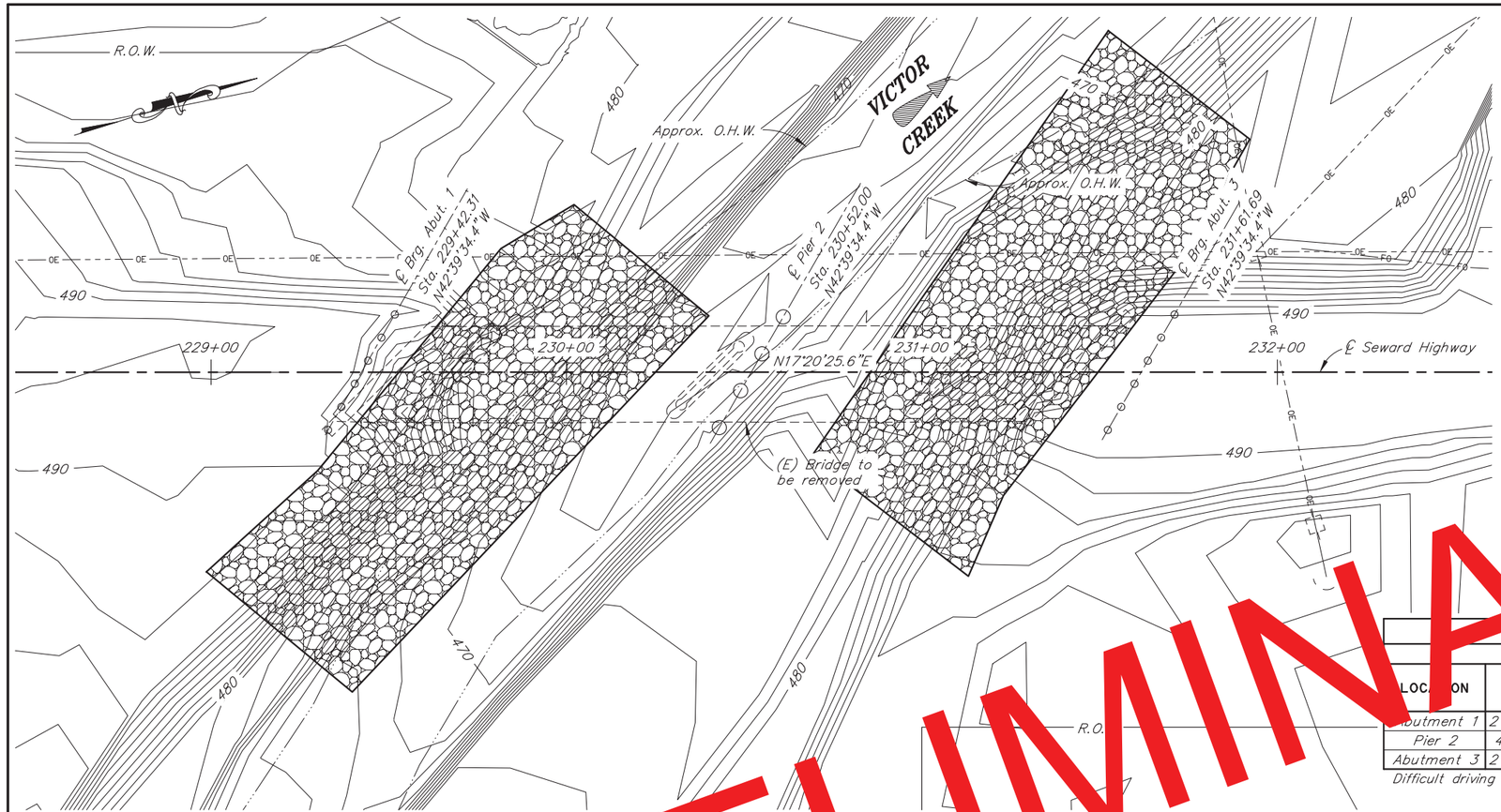
GENERAL LAYOUT

BRIDGE NO. 607

DWG. NO. 1

R:\cad\603,605,607\607-GEN Mon, Nov/16/20 08:15am

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2020	N24	N57



SITE PLAN

0 20 Feet

GENERAL NOTES

DESIGN:..... AASHTO LRFD Bridge Design Specifications, 2020 Edition, with latest interim specifications.

Seismic design per AASHTO Guide Specifications for LRFD Seismic Bridge Design, 2011 with latest interim revisions.

LIVE LOAD:..... HL-93

DEAD LOAD:..... Includes 50 psf for all wearing surfaces.

SEISMIC PARAMETERS:..... PGA = 0.52
Ss = 1.20
S1 = 0.50
Site Class = D
Liquefaction Potential = Low
AASHTO 7% probability of exceedance in 75 years.

REINFORCEMENT:..... ASTM A706, Grade 60, Fy = 60,000 psi
ASTM A970 Headed bars, Class HA.
Space reinforcement evenly unless otherwise noted.

PRESTRESSED CONCRETE:..... See "GIRDERS" Dwg.

CONCRETE:..... Class [illegible] Concrete unless otherwise noted, f'c = 4000 psi

STRUCTURAL STEEL:..... ASTM A709, Grade 36T3, Fy = 36,000 psi
Galvanize structural steel in accordance with AASHTO M111 unless shown otherwise.

STRUCTURAL PILING:..... API 5L X52 PSL2, Fy = 52,000 psi.
or ASTM A709, GR50T3, Fy = 50,000 psi.
Closed end pipe pile tip reinforcing is required for abutment piles.
Open end pipe pile tip reinforcing required for pier piles.

PILE DATA TABLE

LOCATION	PILE TYPE	DRIVING CRITERIA: MINIMUM PENETRATION (ft)	DRIVING CRITERIA: ESTIMATED PILE TIP ELEVATION (ft)	DRIVING CRITERIA: DRIVING RESISTANCE (K)	DESIGN DATA: STRENGTH I FACTORED LOAD (K)	DESIGN DATA: NOMINAL RESISTANCE (K)	DESIGN DATA: RESISTANCE FACTOR, Φ
Abutment 1	2'-0"Øx1/2" Pipe	45	388	535	350	535	0.65
Pier 2	4'-0"Øx1" Pipe	100	320	1455	920	1415	0.65
Abutment 3	2'-0"Øx1/2" Pipe	45	388	535	350	535	0.65

Difficult driving conditions are expected. Pilot bore hole required for each pile.

PRELIMINARY

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM	PAY UNIT	ESTIMATING UNIT	SUBST.	SUPERST.	TOTAL QUANTITY
202.0023.0000	Removal of Bridge	LS	LS	All Req'd	All Req'd	All Req'd
203.0003.0000	Unclassified Excavation	CY	CY	1,950	---	1,950
205.0006.0000	Structural Fill	CY	CY	1,112	---	1,112
501.0001.0000	Class A Concrete	LS	CY	308.4	162.0	470.4
501.0007.0000	Precast Concrete Member, 110[illegible]" Decked Bulb-T	EA	EA	---	12	12
503.0001.0000	Reinforcing Steel	LS	LBS	60,880	---	60,880
503.0002.0000	Epoxy-Coated Reinforcing Steel	LS	LBS	1,430	22,885	24,315
505.0005.2405	Furnish Structural Steel Piles, 2'-0" Dia. x 1/2" Pipe	LF	LF	1,121	---	1,121
505.0005.4810	Furnish Structural Steel Piles, 4'-0" Dia. x 1" Pipe	LF	LF	646	---	646
505.0006.2405	Drive Structural Steel Piles, 2'-0" Dia. x 1/2" Pipe	EA	EA	12	---	12
505.0006.4810	Drive Structural Steel Piles, 4'-0" Dia. x 1" Pipe	EA	EA	4	---	4
507.0001.0003	Steel Bridge Railing, 3-Tube	LF	LF	---	528.0	528.0
508.0001.0000	Waterproofing Membrane, Spray-Applied	LS	SF	---	9,768	9,768
520.0001.0000	Temporary Crossings	LS	LS	All Req'd	All Req'd	All Req'd
606.0016.0000	Transition Rail	EA	EA	---	4	4
611.0001.0001	Riprap, Class I	CY	CY	470	---	470
611.0001.0003	Riprap, Class III	CY	CY	2,140	---	2,140

Item numbers are for reference only. Quantities shown are not necessarily the pay quantities nor the total quantity of the particular item.

ABBREVIATIONS:

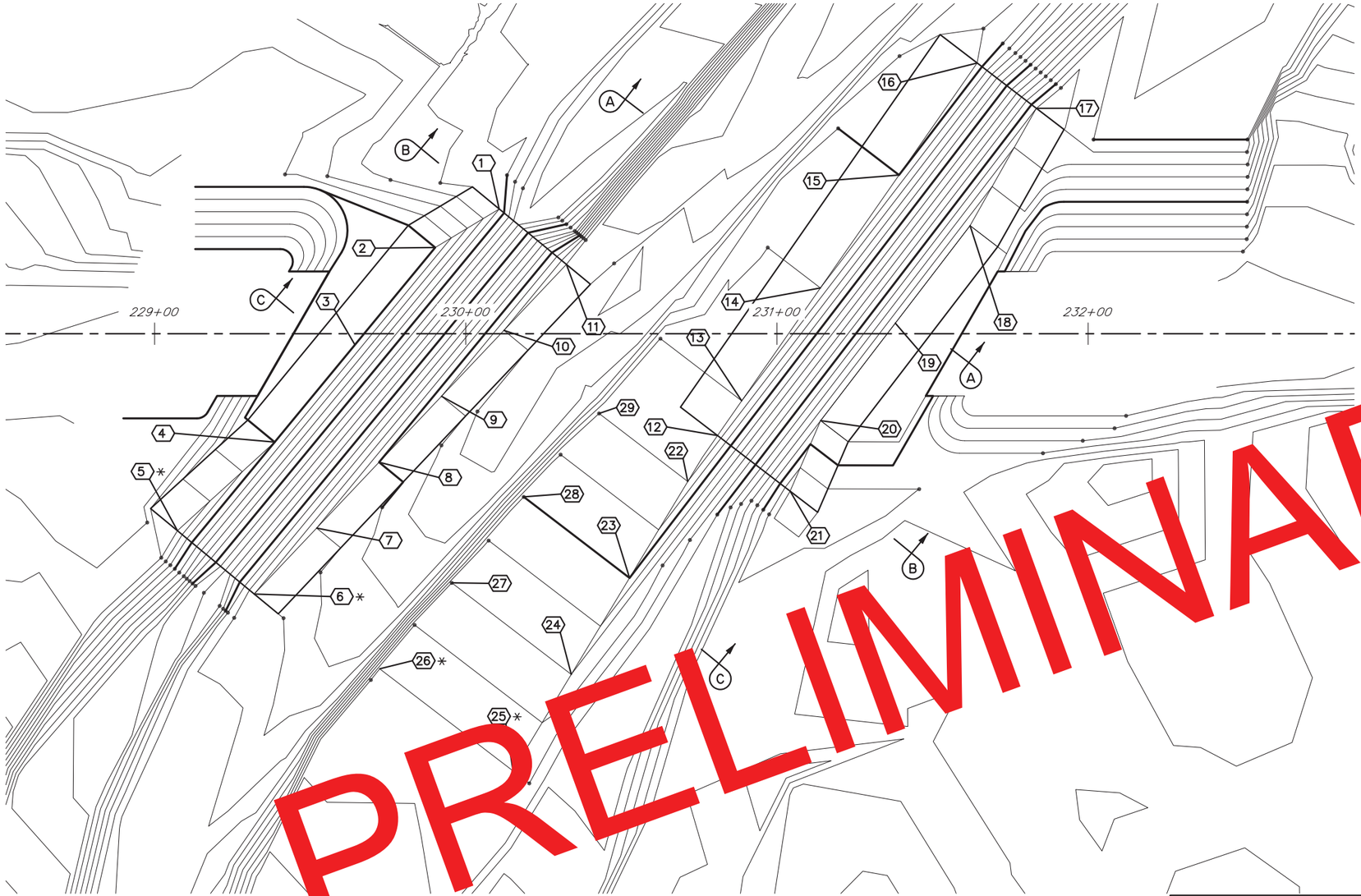
℄	= centerline	e.f.	= each face	max.	= maximum
℗	= plate	e.w.	= each way	min.	= minimum
&	= and	Ext.	= exterior	n.f.	= near face
@	= at	----FO----	= fiber optic cable	No.	= number
Ø	= diameter	F	= fixed	o.c.	= on center
±	= approximate	f.f.	= front/air face	O.H.W.	= ordinary high water
Abut.	= abutment	f'c	= specified concrete compressive strength	----OE----	= overhead electrical line
Approx.	= approximate			pcf	= pounds per cubic foot
b.f.	= back/dirt face	f'ci	= specified concrete compressive strength at release	psf	= pounds per square foot
bot.	= bottom			psi	= pounds per square inch
Br.	= bridge	Ft.	= feet	R	= radius
btwn.	= between	Fy	= yield stress	R.O.W.	= right of way
Brg.	= bearings	Galv.	= galvanize	RT.	= right
C.G.	= center of gravity	H.S.	= high strength	Rd.	= road
C.I.P.	= cast in place	Hwy.	= highway	spcs.	= space, spaces
CJP	= complete joint penetration	ID	= internal diameter	Sta.	= station
Clr.	= clear, clearance	Int.	= interior	SF	= square feet
CMP	= corrugated metal pipe	Jt.	= joint	SY	= square yard
CY	= cubic yard	K	= kips	Std.	= standard
D.H.W.	= design high water	ksf	= 1000 pounds per square foot	Symm.	= symmetric
Dia.	= diameter	ksi	= 1000 pounds per square inch	Typ.	= typical
Dwg.	= drawing	LBS or lb	= pounds	UT	= ultrasonic testing
E	= expansion	LF	= linear foot	VPC	= point of vertical curve
(E)	= existing	LS	= lump sum	VPI	= point of vertical intersection
EA	= each	LT.	= left	VPT	= point of vertical tangent
Elev.	= elevation			w/	= with

DESIGNED BY: Elmer Marx	CHECKED: Nick Murray	FOUNDATIONS REVIEWED BY: Dave Hemstreet	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES BRIDGE SECTION 3132 Channel Drive Juneau, Alaska 99801 907-465-2975		VICTOR CREEK BRIDGE SEWARD HIGHWAY SITE PLAN
DRAWN BY: Sam Sollie	CHECKED: Elmer Marx				
QUANTITIES BY: Elmer Marx	CHECKED: Nick Murray				

BRIDGE NO. 607
DWG. NO. 2

R:\cad\603,605,607\607-SITE PLAN Mon, Nov/16/20 08:15am

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2020	N25	N57



RIPRAP LAYOUT

10 0 20 40
Feet

PRELIMINARY

RIPRAP TABLE

POINT	STATION	OFFSET		ELEVATION
1	230+10.7	40.1'	Left	481.0'
2	229+90.2	27.7'	Left	485.0'
3	229+64.4	3.6'	Right	485.0'
4	229+38.6	34.8'	Right	485.0'
5*	229+07.3	63.3'	Right	488.0'
6*	229+32.0	83.7'	Right	472.0'
7	229+52.1	62.5'	Right	471.0'
8	229+72.1	41.3'	Right	470.0'
9	229+92.2	20.1'	Right	469.0'
10	230+12.3	1.1'	Left	468.0'
11	0+32.3	22.3'	Left	467.0'
12	0+80.9	32.7'	Right	472.3'
13	0+88.7	21.6'	Right	472.0'
14	231+14.0	14.7'	Left	471.0'
15	231+39.2	51.0'	Left	470.0'
16	231+64.3	87.0'	Left	469.0'
17	1+83.4	72.4'	Left	481.0'
18	231+62.1	34.7'	Left	484.0'
19	231+38.0	3.4'	Left	484.0'
20	231+14.0	27.9'	Right	484.0'
21	231+04.2	50.6'	Right	487.0'

CHANNEL GRADING TABLE

POINT	STATION	OFFSET		ELEVATION
22	230+71.3	47.5'	Right	473.0'
23	230+52.6	78.5'	Right	475.0'
24	230+33.9	109.5'	Right	477.0'
25*	230+15.2	140.5'	Right	479.0'
26*	229+72.4	107.7'	Right	479.0'
27	229+95.5	80.1'	Right	477.0'
28	230+18.6	52.4'	Right	473.0'
29	230+42.8	25.6'	Right	471.0'

XX* – Stake points and notify the Engineer prior to commencing grading activities. The Engineer may adjust grading points, if necessary.

HYDRAULIC & HYDROLOGIC SUMMARY, BRIDGE NO. 607

Flood Frequency (Yr.)	50	100	500
Exceedance Probability (%)	2	1	0.2
Discharge (cfs)	2252	2553	3261
Water Surface Elevation (ft)	474.1	474.4	475.1
Anticipated Add'l Backwater (ft)		0.3	
Contraction Scour (ft)	1.5	1.9	1.9
Pier Scour (ft)	8	9.6	11.3
Abut. Scour (ft)	3.5	3.5	4.0
Long-Term Degradation (ft)		0	

Drainage Area: 13 square miles

The hydraulic capacity of the bridge is roughly 18,000 cfs in an ice-free channel condition. Riprap provisions to be installed to counter abutment scour potential.

NOTE:

Channel excavation to be included in Pay Item Unclassified Excavation.

DESIGNED BY: Michael Knapp	CHECKED: Dane Palmer		
DRAWN BY: Sam Sollie	CHECKED: Michael Knapp		
QUANTITIES BY: Michael Knapp	CHECKED: Dane Palmer		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

VICTOR CREEK BRIDGE

SEWARD HIGHWAY

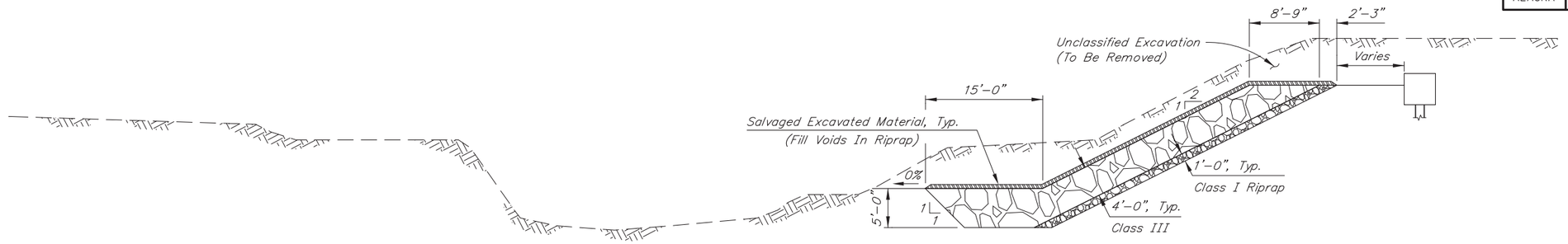
RIPRAP LAYOUT

BRIDGE NO. 607

DWG. NO. 3

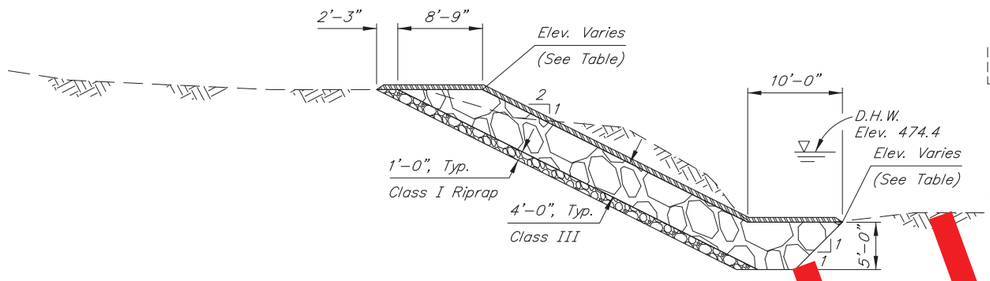
R:\cad\603,605,607\607-RIPRAP LAYOUT Mon, Nov/16/20 08:16am

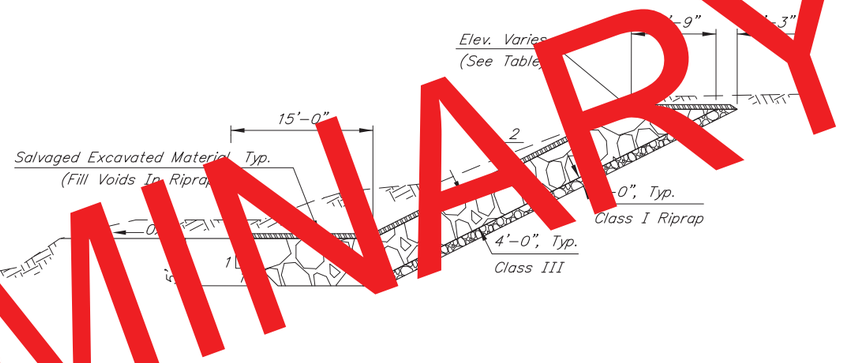
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2020	N26	N57



RIPRAP SECTION A-A

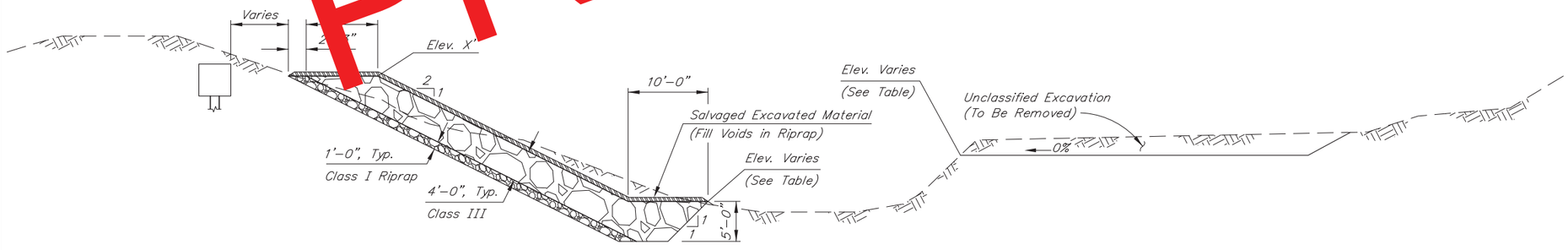
12 0 4 8 12
In. Feet





RIPRAP SECTION B-B

4 8 12
In. Feet



RIPRAP SECTION C-C

12 0 4 8 12
In. Feet

DESIGNED BY: Michael Knapp	CHECKED: Dane Palmer		
DRAWN BY: Sam Sollie	CHECKED: Michael Knapp		
QUANTITIES BY: Michael Knapp	CHECKED: Dane Palmer		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

VICTOR CREEK BRIDGE

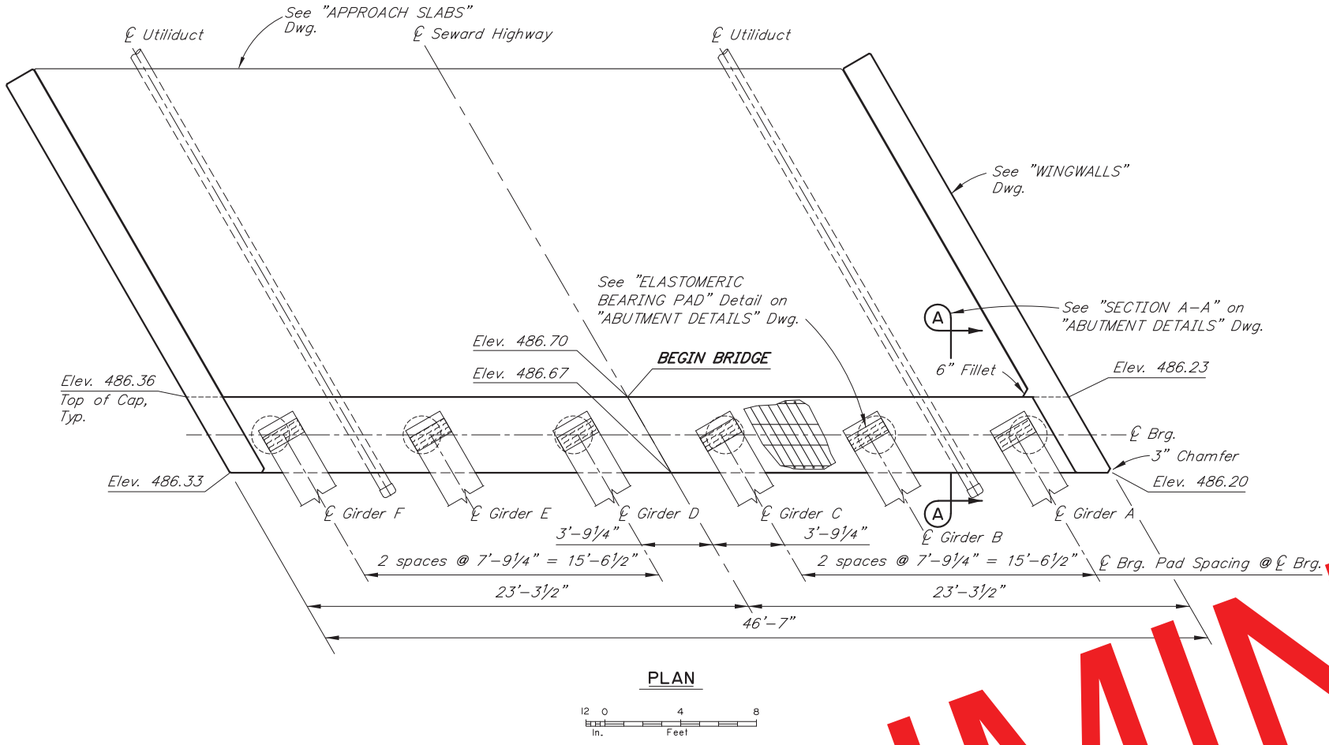
SEWARD HIGHWAY

RIPRAP SECTIONS

BRIDGE NO. 607
DWG. NO. 4

R:\cad\603,605,607\607-RIPRAP SECTIONS Mon, Nov/16/20 08:16am

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	311032/Z536100000	2020	N27	N57

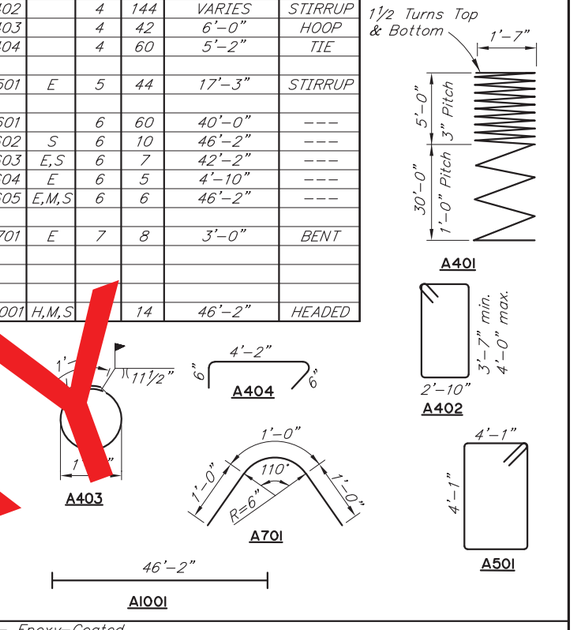


PLAN

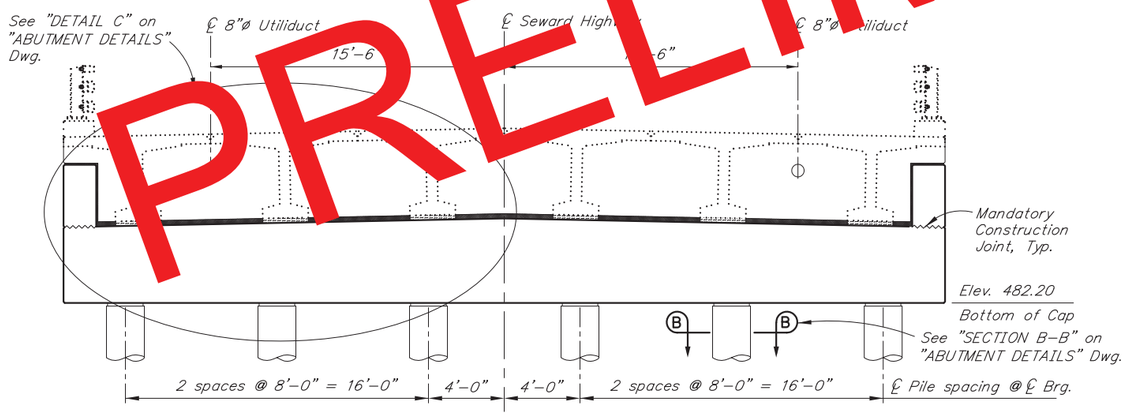
12 0 4 8
In. Feet

REINFORCING STEEL - ONE ABUTMENT

MARK	NOTE	SIZE	NO.	LENGTH	TYPE	BENDING DIAGRAM
A401	S	4	6	266'–9"	SPIRAL	
A402		4	144	VARIES	STIRRUP	
A403		4	42	6'–0"	HOOP	
A404		4	60	5'–2"	TIE	
A501	E	5	44	17'–3"	STIRRUP	
A601		6	60	40'–0"	---	
A602	S	6	10	46'–2"	---	
A603	E,S	6	7	42'–2"	---	
A604	E	6	5	4'–10"	---	
A605	E,M,S	6	6	46'–2"	---	
A701	E	7	8	3'–0"	BENT	
A1001	H,M,S		14	46'–2"	HEADED	



E – Epoxy–Coated
H – Headed reinforcing steel
M – Field adjust to match cross slope
S – Splice permitted. Splice length not included



ELEVATION
(Looking Back on Station)

12 0 4 8
In. Feet

DESIGNED BY: Elmer Marx	CHECKED: Nick Murray		
DRAWN BY: Sam Sollie	CHECKED: Elmer Marx		
QUANTITIES BY: Elmer Marx	CHECKED: Nick Murray		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907–465–2975

VICTOR CREEK BRIDGE

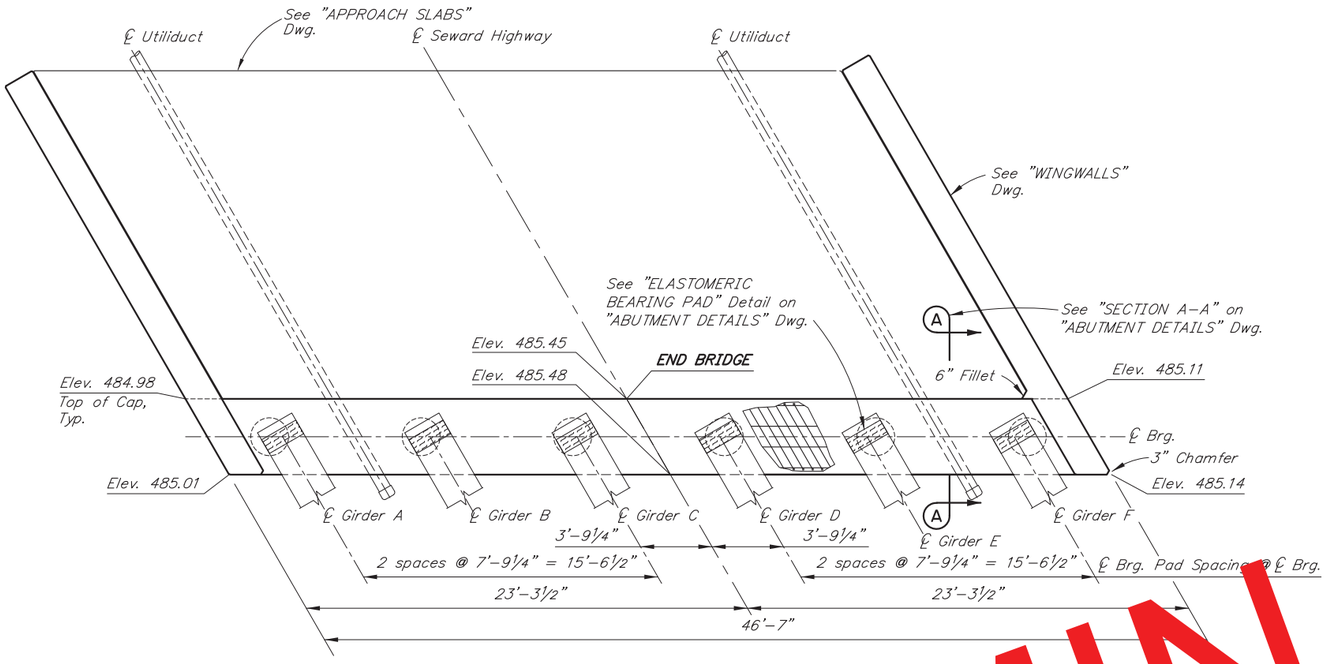
SEWARD HIGHWAY

ABUTMENT 1

BRIDGE NO. 607

DWG. NO. 5

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	311032/Z536100000	2020	N28	N57



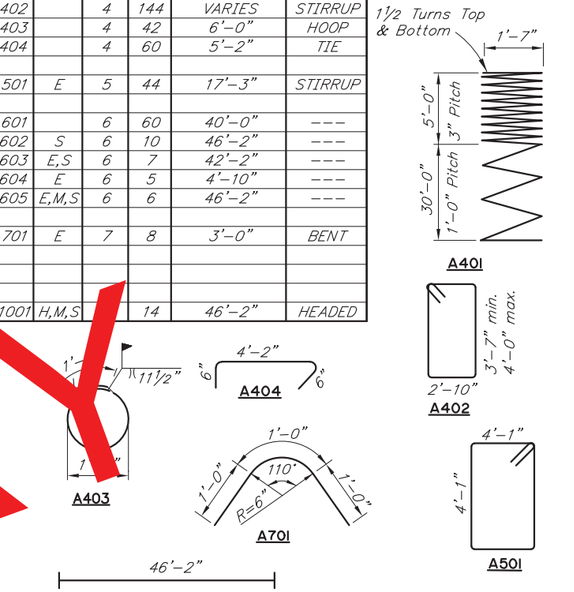
PLAN

12 0 4 8
In. Feet

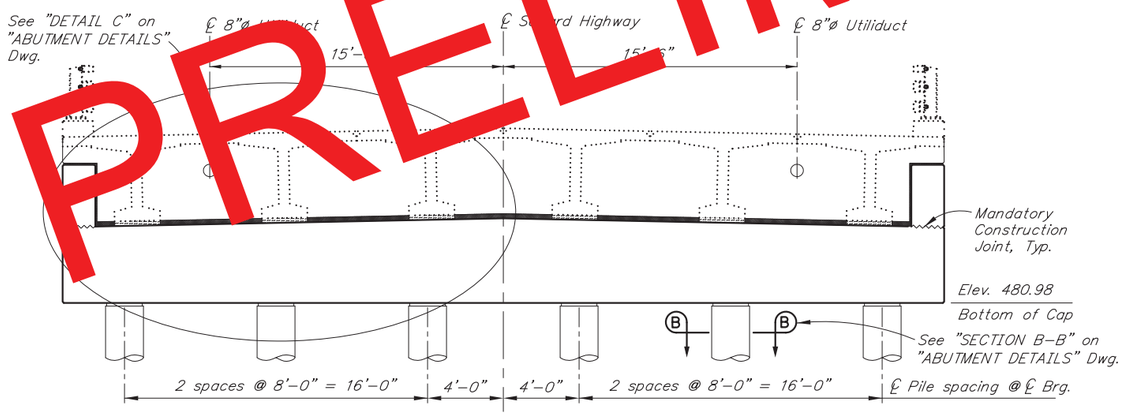
REINFORCING STEEL - ONE ABUTMENT

MARK	NOTE	SIZE	NO.	LENGTH	TYPE
A401	S	4	6	266'–9"	SPIRAL
A402		4	144	VARIES	STIRRUP
A403		4	42	6'–0"	HOOP
A404		4	60	5'–2"	TIE
A501	E	5	44	17'–3"	STIRRUP
A601		6	60	40'–0"	---
A602	S	6	10	46'–2"	---
A603	E,S	6	7	42'–2"	---
A604	E	6	5	4'–10"	---
A605	E,M,S	6	6	46'–2"	---
A701	E	7	8	3'–0"	BENT
A1001	H,M,S		14	46'–2"	HEADED

BENDING DIAGRAM



E – Epoxy–Coated
H – Headed reinforcing steel
M – Field adjust to match cross slope
S – Splice permitted. Splice length not included



ELEVATION

12 0 4 8
In. Feet

DESIGNED BY: Elmer Marx	CHECKED: Nick Murray		
DRAWN BY: Sam Sollie	CHECKED: Elmer Marx		
QUANTITIES BY: Elmer Marx	CHECKED: Nick Murray		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907–465–2975

VICTOR CREEK BRIDGE

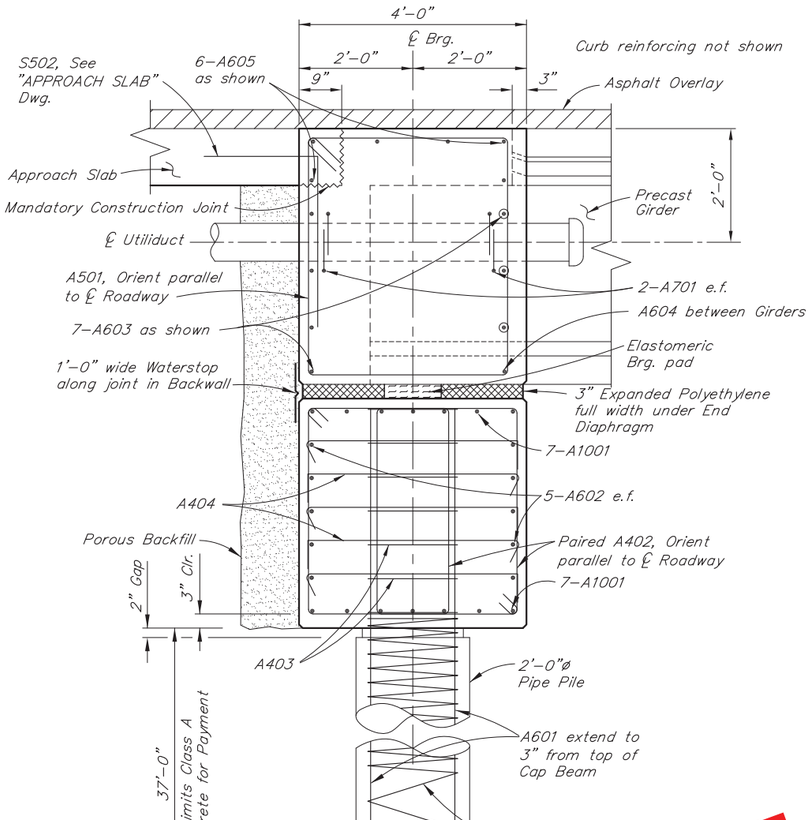
SEWARD HIGHWAY

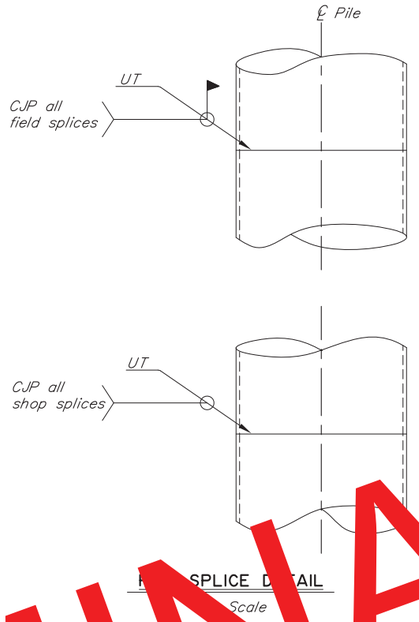
ABUTMENT 3

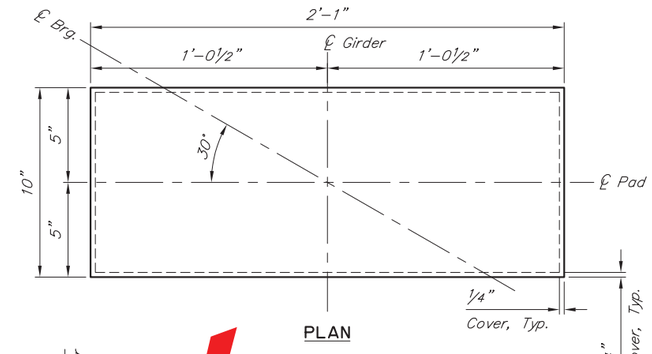
BRIDGE NO. 607

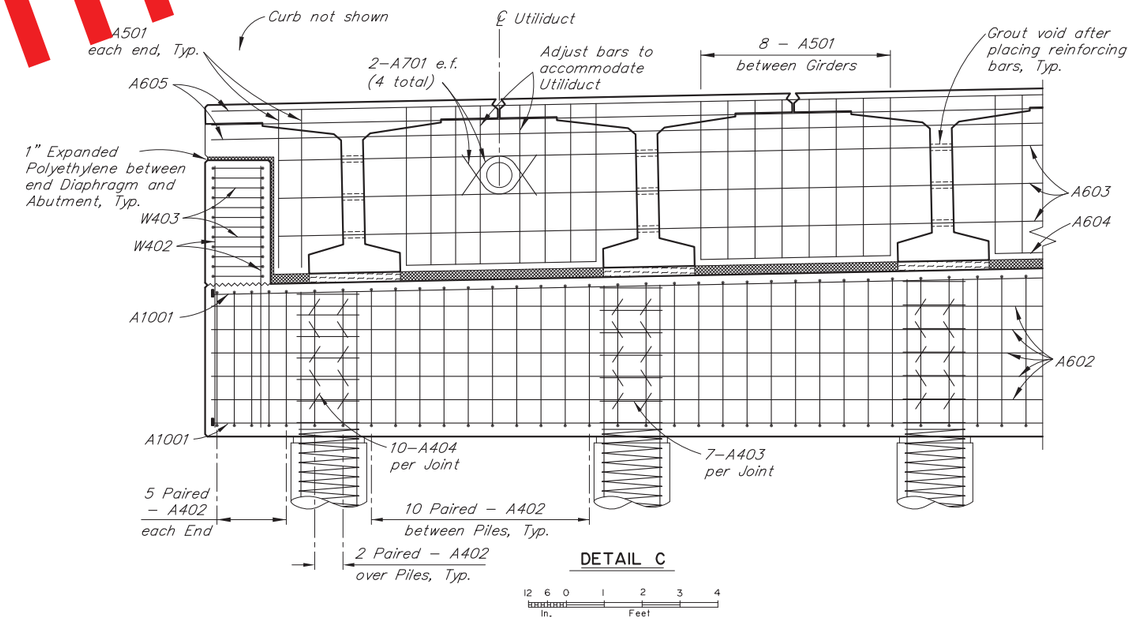
DWG. NO. 6

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	311032/Z536100000	2020	N29	N57









DESIGNED BY: Elmer Marx	CHECKED: Nick Murray		
DRAWN BY: Sam Sollie	CHECKED: Elmer Marx		
QUANTITIES BY: Elmer Marx	CHECKED: Nick Murray		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

VICTOR CREEK BRIDGE

SEWARD HIGHWAY

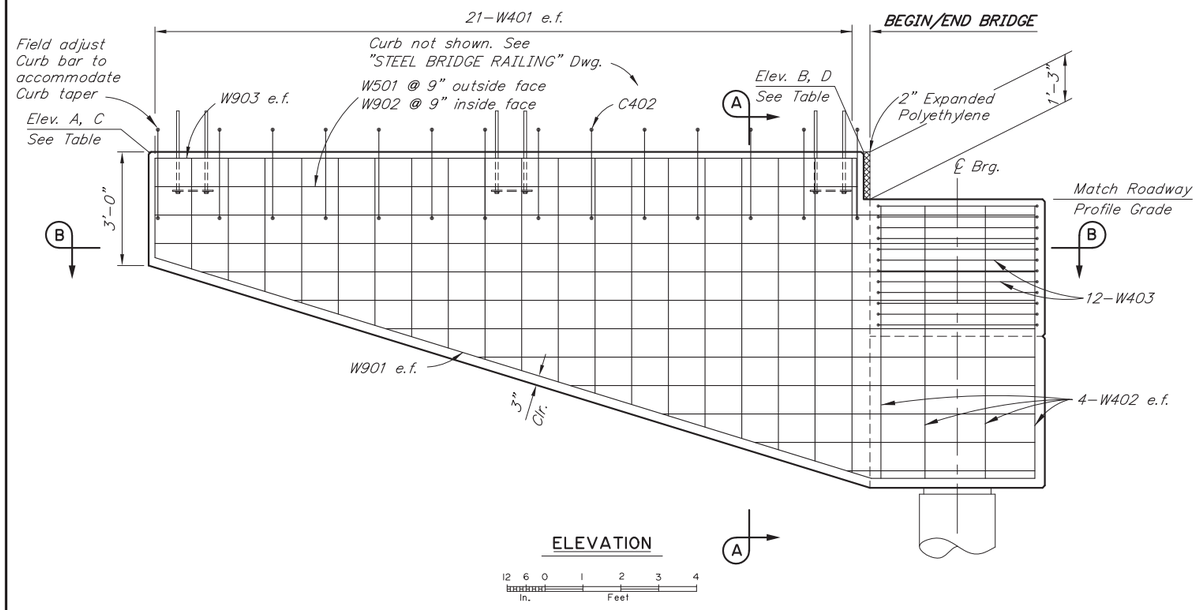
ABUTMENT DETAILS

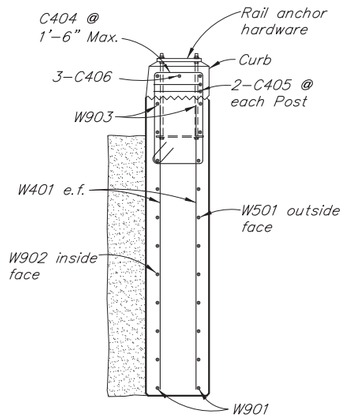
BRIDGE NO. 607

DWG. NO. 7

R:\cad\603,605,607\607-1-ABUT DET Mon, Nov/16/20 08:08am

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	311032/Z536100000	2020	N30	N57

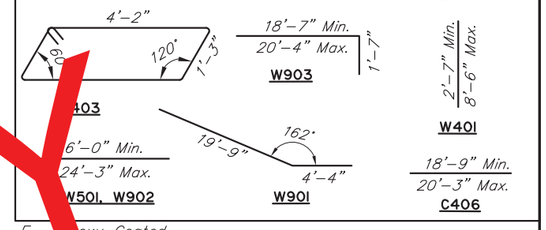




SECTION A-A

REINFORCING STEEL - ONE ABUTMENT

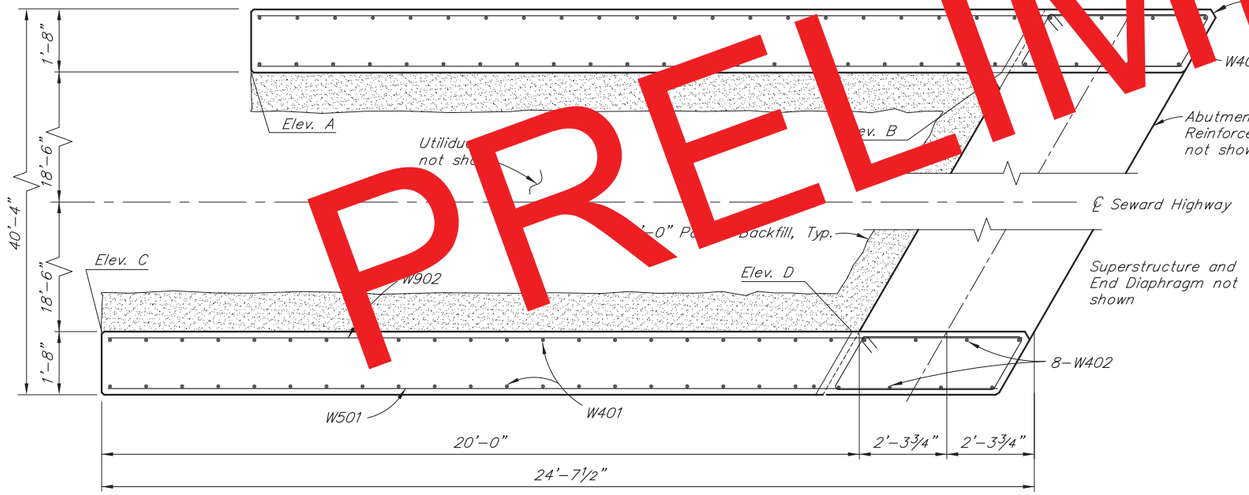
MARK	NOTE	SIZE	NO.	LENGTH	TYPE	BENDING DIAGRAM
W401		4	84	VARIES	---	
W402		4	16	7'–2"	---	
W403		4	24	11'–7"	STIRRUP	
W501		5	22	VARIES	---	
W901		9	4	24'–1"	BENT	
W902		9	22	VARIES	---	
W903		9	4	VARIES	BENT	
C404	E	4	28	7'–11"	STIRRUP	
C405	E	4	12	3'–10"	STIRRUP	
C406	E	4	6	VARIES	---	



E – Epoxy–Coated

TOP OF WINGWALL ELEVATION TABLE (FT)

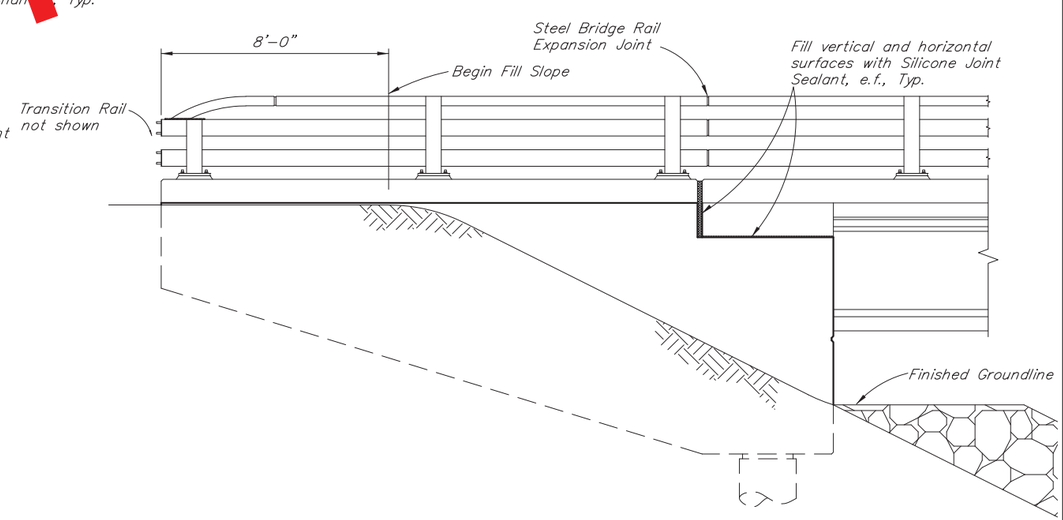
LOCATION	A DOWNSTREAM	B DOWNSTREAM	C UPSTREAM	D UPSTREAM
ABUTMENT 1	491.13	491.02	491.25	491.14
ABUTMENT 3	489.66	489.77	489.78	489.89



SECTION B-B

(Abutment 1 shown, Abutment 3 similar)

12 6 0 1 2 3 4
In. Feet



FINISHED ELEVATION

12 0 1 2 3 4
In. Feet

DESIGNED BY: Elmer Marx	CHECKED: Nick Murray		
DRAWN BY: Sam Sollie	CHECKED: Elmer Marx		
QUANTITIES BY: Elmer Marx	CHECKED: Nick Murray		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907–465–2975

VICTOR CREEK BRIDGE

SEWARD HIGHWAY

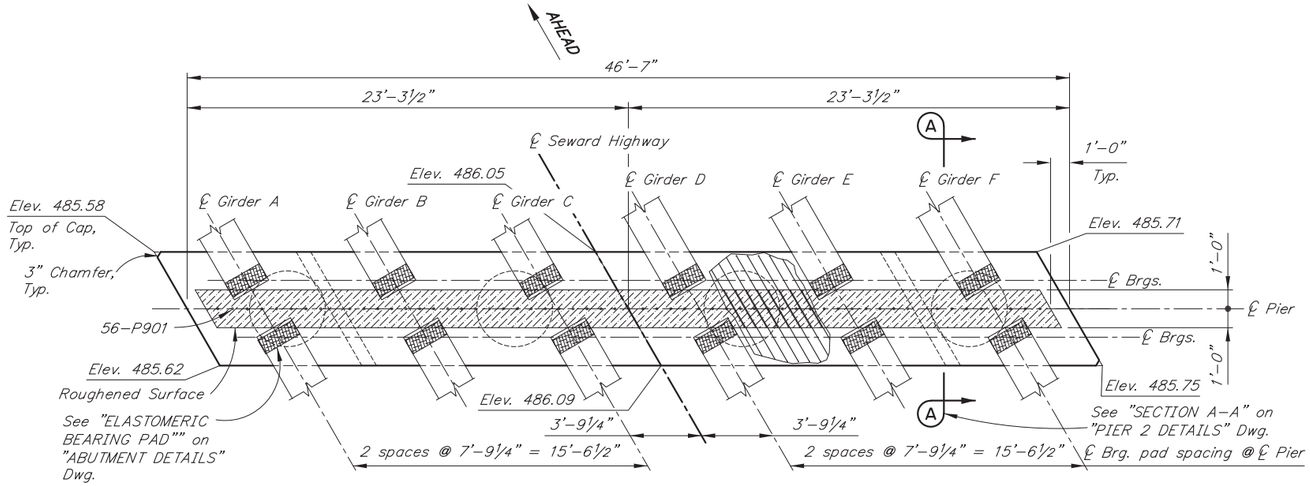
WINGWALLS

BRIDGE NO. 607

DWG. NO. 8

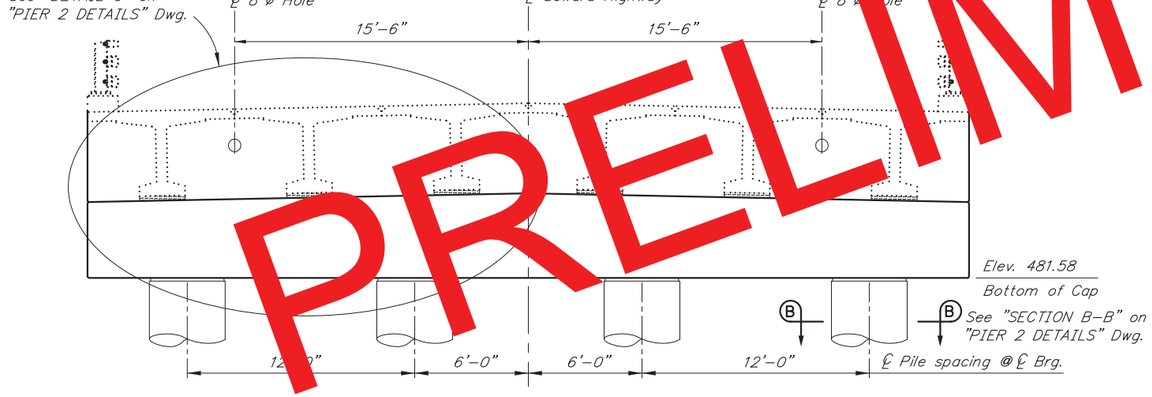
R:\cad\603,605,607\607–1–WINGWALLS Mon, Nov/16/20 08:08am

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	311032/Z536100000	2020	N31	N57



PLAN

12 0 4 8
In. Feet



ELEVATION

12 0 4 8
In. Feet

R:\cad\603,605,607\607-1-PIER Mon, Nov/16/20 08:08am

DESIGNED BY: Elmer Marx	CHECKED: Nick Murray		
DRAWN BY: Sam Sollie	CHECKED: Elmer Marx		
QUANTITIES BY: Elmer Marx	CHECKED: Nick Murray		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

VICTOR CREEK BRIDGE

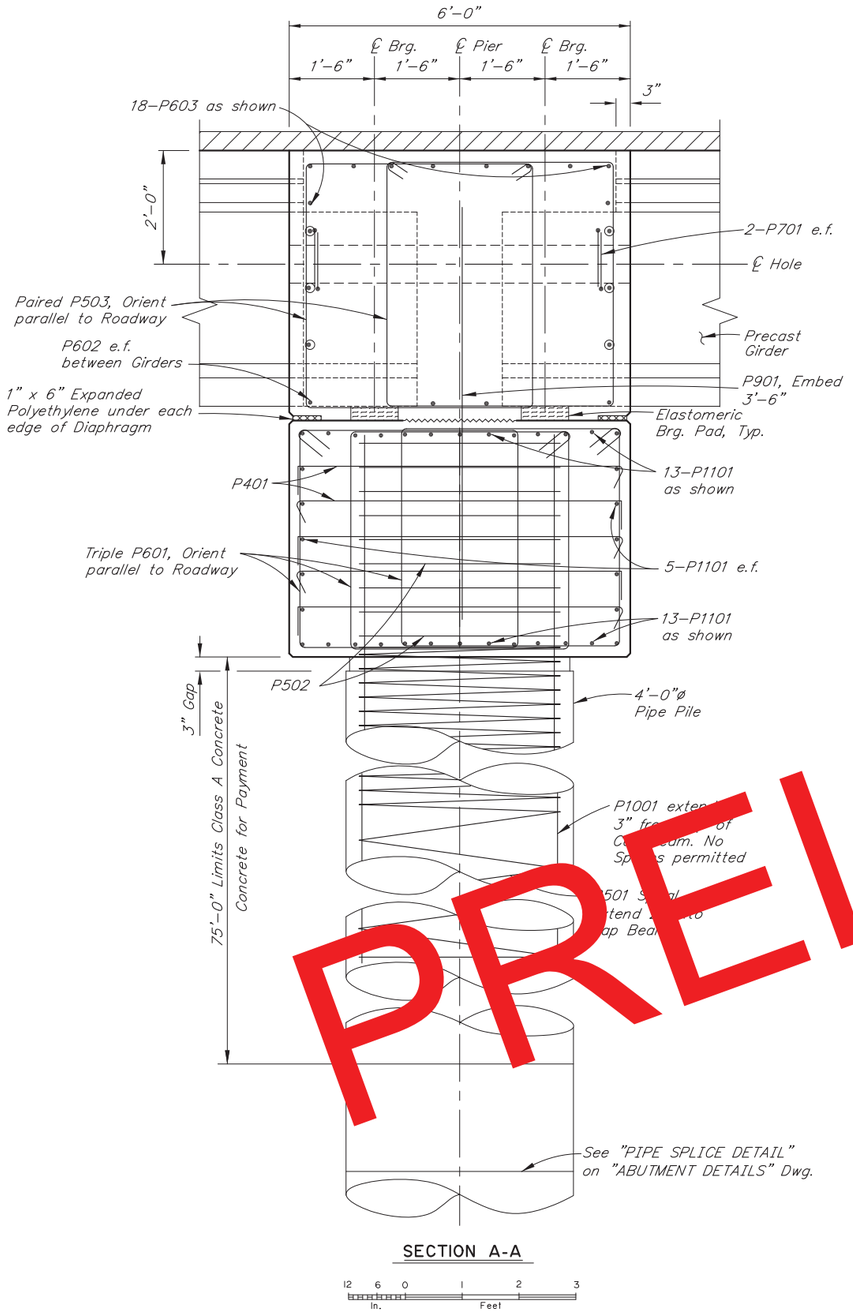
SEWARD HIGHWAY

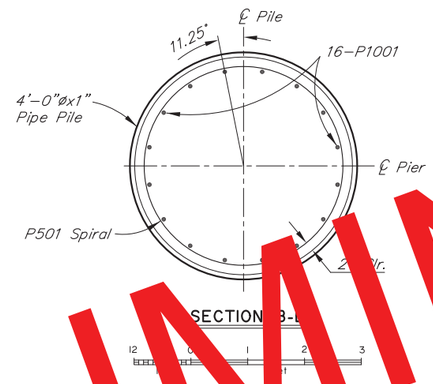
PIER 2

BRIDGE NO. 607

DWG. NO. 9

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2020	N32	N57

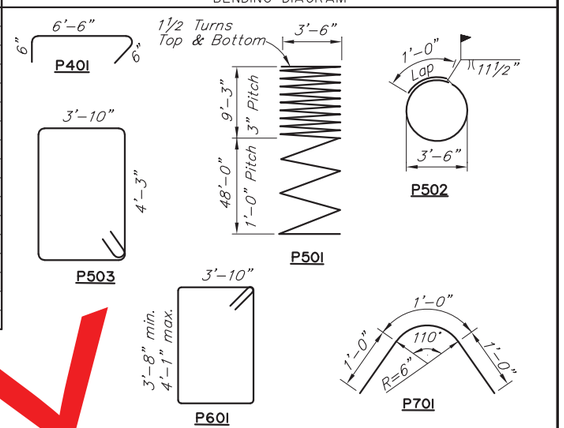




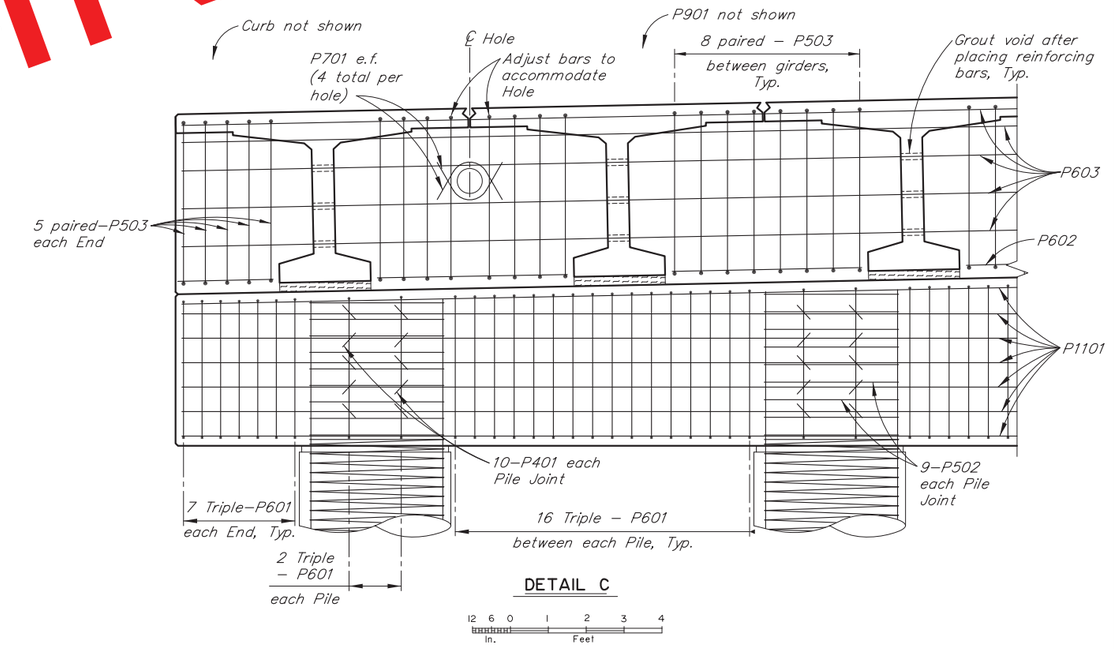
REINFORCING STEEL - ONE PIER

MARK	NOTE	SIZE	NO.	LENGTH	TYPE
P401		4	40	7'-6"	BENT
P501	S	5	4	970'-0"	SPIRAL
P502		5	36	12'-0"	HOOP
P503	E	5	100	17'-1"	STIRRUP
P601		6	210	VARIES	STIRRUP
P602	E	6	10	4'-10"	---
P603	E,M,S	6	18	46'-2"	---
P701	E	7	8	3'-0"	BENT
P901	E	9	56	7'-6"	---
P1001		10	64	60'-0"	---
P1101	H,S	11	36	46'-2"	---

BENDING DIAGRAM



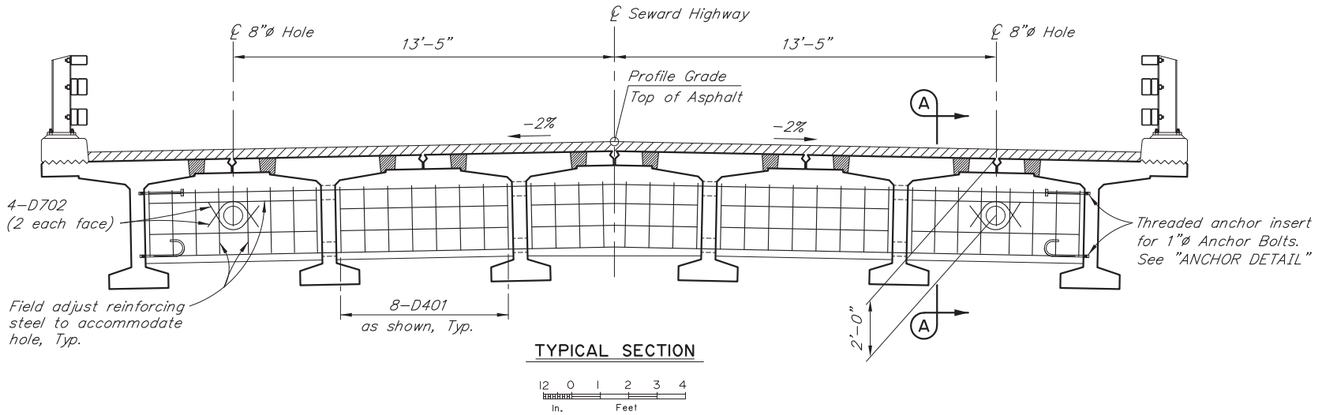
E – Epoxy-Coated
H – Heat-treated reinforcing steel
M – Field cut to match cross-frame
S – Spirals permitted. Splice length included



DESIGNED BY: Elmer Marx	CHECKED: Nick Murray	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES BRIDGE SECTION 3132 Channel Drive Juneau, Alaska 99801 907-465-2975	VICTOR CREEK BRIDGE SEWARD HIGHWAY PIER 2 DETAILS
DRAWN BY: Sam Sollie	CHECKED: Elmer Marx		BRIDGE NO. 607 DWG. NO. 10
QUANTITIES BY: Elmer Marx	CHECKED: Nick Murray		

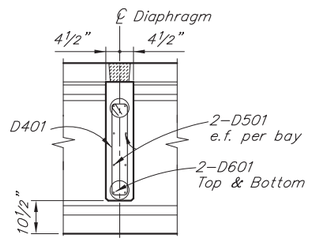
R:\cad\603,605,607\607-1-PIER (2) Mon, Nov/16/20 08:09am

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2020	N33	N57



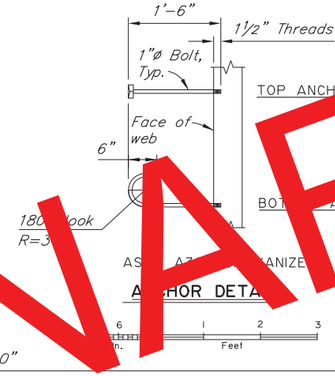
TYPICAL SECTION

12 0 1 2 3 4
In. Feet



SECTION A-A

12 6 0 1 2 3 4
In. Feet

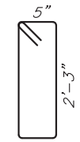


ANCHOR DETAIL

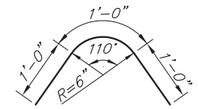
6 1 2 3
Feet

MARK	NOTE	SIZE	NO.	LENGTH	TYPE	BENDING DIAGRAM
D401	E	4	40	6'–1"	STIRRUP	
D501	E	5	20	6'–9"	---	
D601	E,M	6	4	37'–10"	---	
D701	E	7	8	3'–0"	BENT	

REINFORCING STEEL - ONE DIAPHRAGM

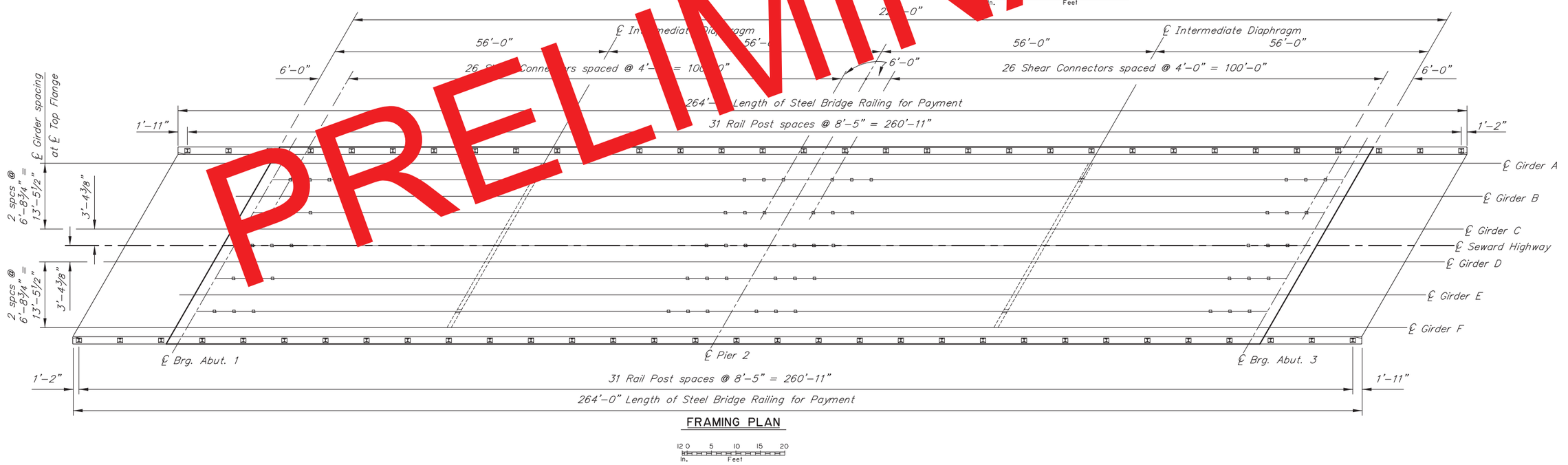


D401



D701

E – Epoxy-coated
M – Field adjust to match crown



FRAMING PLAN

12 0 5 10 15 20
In. Feet

DESIGNED BY: Elmer Marx	CHECKED: Nick Murray		
DRAWN BY: Sam Sollie	CHECKED: Elmer Marx		
QUANTITIES BY: Elmer Marx	CHECKED: Nick Murray		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907–465–2975

VICTOR CREEK BRIDGE

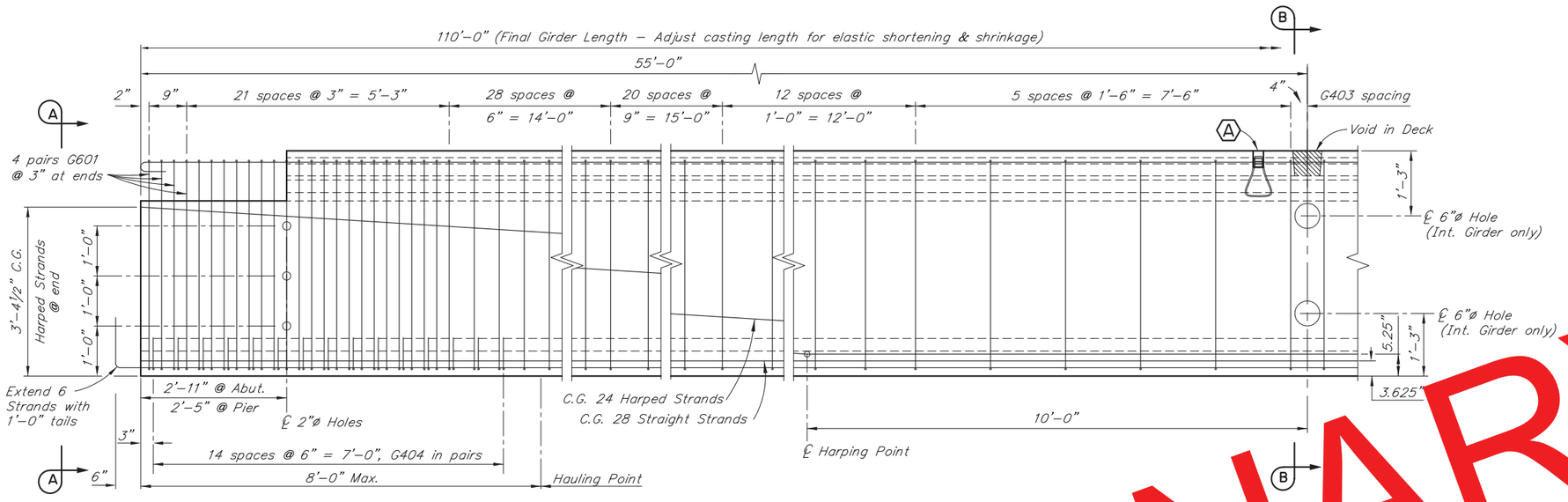
SEWARD HIGHWAY

FRAMING PLAN AND TYPICAL SECTION

BRIDGE NO. 607
DWG. NO. 11

R:\cad\603,605,607\607-1-TYPICAL Mon, Nov/16/20 08:09am

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2020	N34	N57

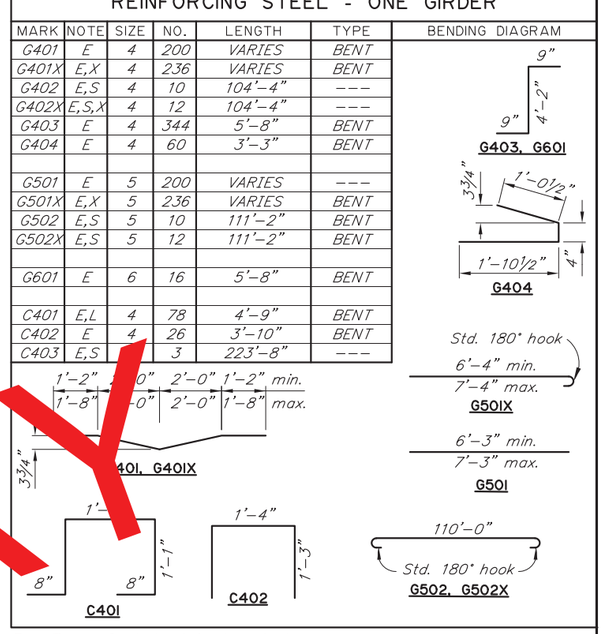


ELEVATION

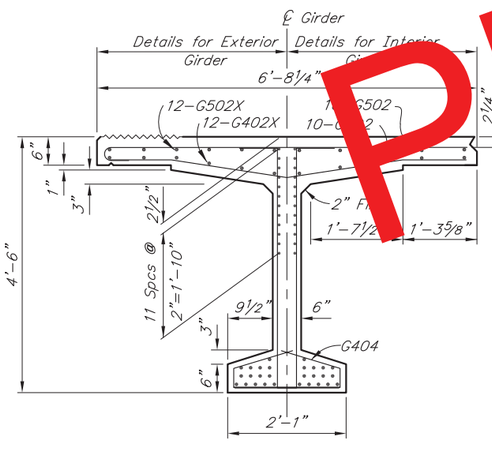
12 6 0 1 2 3
In. Feet

REINFORCING STEEL - ONE GIRDER

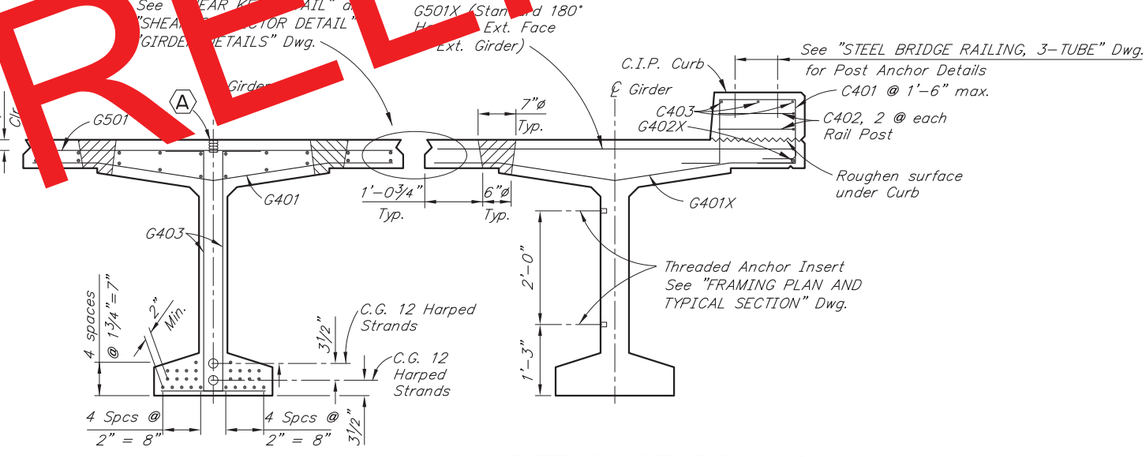
MARK	NOTE	SIZE	NO.	LENGTH	TYPE	BENDING DIAGRAM
G401	E	4	200	VARIES	BENT	
G401X	E,X	4	236	VARIES	BENT	
G402	E,S	4	10	104'-4"	---	
G402X	E,S,X	4	12	104'-4"	---	
G403	E	4	344	5'-8"	BENT	
G404	E	4	60	3'-3"	BENT	
G501	E	5	200	VARIES	---	
G501X	E,X	5	236	VARIES	BENT	
G502	E,S	5	10	111'-2"	BENT	
G502X	E,S	5	12	111'-2"	BENT	
G601	E	6	16	5'-8"	BENT	
C401	E,L	4	78	4'-9"	BENT	
C402	E	4	26	3'-10"	BENT	
C403	E,S		3	223'-8"	---	



E – Epoxy-Coated reinforcing steel
L – Ship 7 loose per exterior girder
S – Splices permitted. Length does not include splices
X – Exterior girders only



VIEW A-A



SECTION B-B

EXTERIOR GIRDER NEAR MID SPAN
(Unrelated Reinforcement not shown)

GIRDER NOTES:

Class P Concrete: at Stress Transfer.....f'ci = 6,500 psi
at 28 Days.....f'c = 7,500 psi

½"ø low-relaxation prestressing strands with an ultimate strength of 270 ksi and a cross sectional area of 0.153 in².

Steel stresses: Pretensioning – Jacking Stress 189 ksi
After initial losses 171 ksi
After all losses 141 ksi

One inch clear cover on reinforcing steel unless otherwise noted.

See "FRAMING PLAN AND TYPICAL SECTION" Dwg. for Shear Connector and Rail Post spacing.

Deflect forms to compensate for camber.

Galvanize structural steel embedded in girders except for shear connectors.

(A) 1"X1'-0" Coil Anchor Insert for vertical adjustment of girders. Recess 2". Prevent concrete from filling hole.

Omit Shear Key, Shear Key Connector and Deck Void in exterior face of exterior girders.

Cast ends of girders plumb with respect to roadway grade. Install web holes and web anchor inserts parallel to ℄ bearing.

Finish top flange with Light broom finish.

DESIGNED BY: Elmer Marx	CHECKED: Nick Murray		
DRAWN BY: Sam Sollie	CHECKED: Elmer Marx		
QUANTITIES BY: Elmer Marx	CHECKED: Nick Murray		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

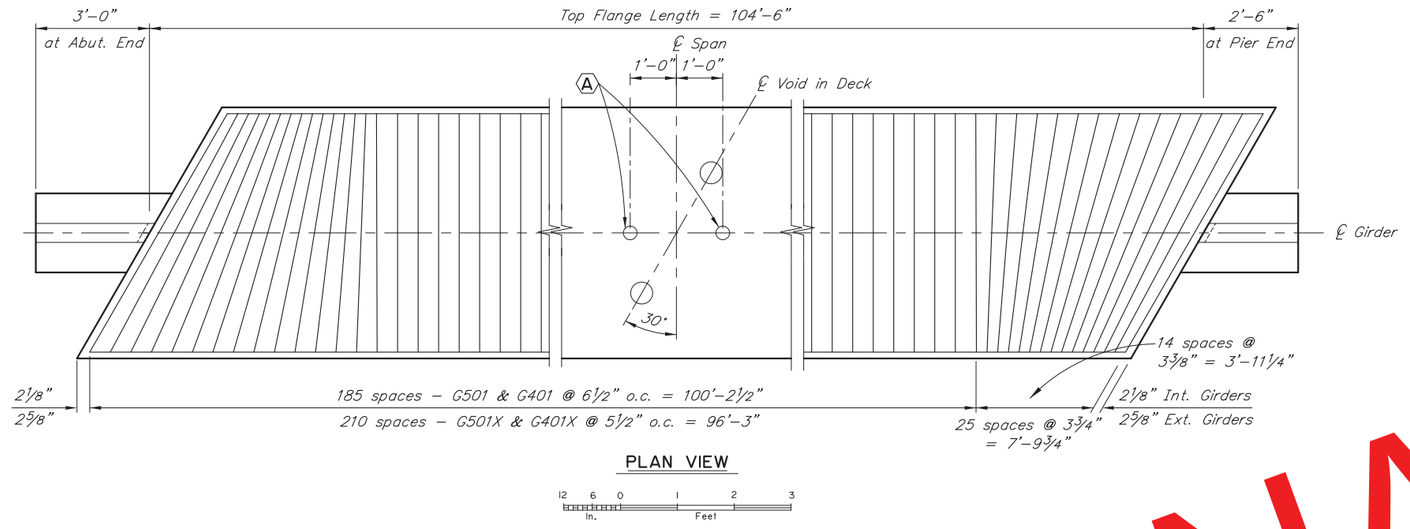
VICTOR CREEK BRIDGE

SEWARD HIGHWAY

GIRDERS

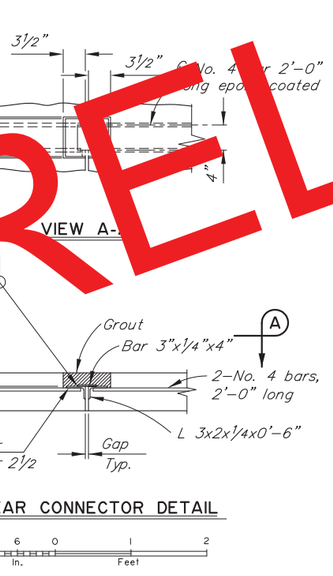
BRIDGE NO. 607
DWG. NO. 12

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2020	N35	N57



PLAN VIEW

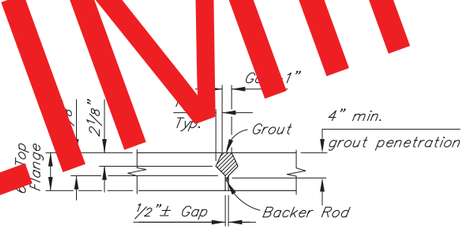
12 6 0 1 2 3
In. Feet



VIEW A-

SHEAR CONNECTOR DETAIL

12 6 0 1 2
In. Feet



SHEAR KEY DETAIL

12 6 0 1 2
In. Feet

R:\cad\603,605,607\607-1-GIR DETAILS Mon, Nov/16/20 08:09am

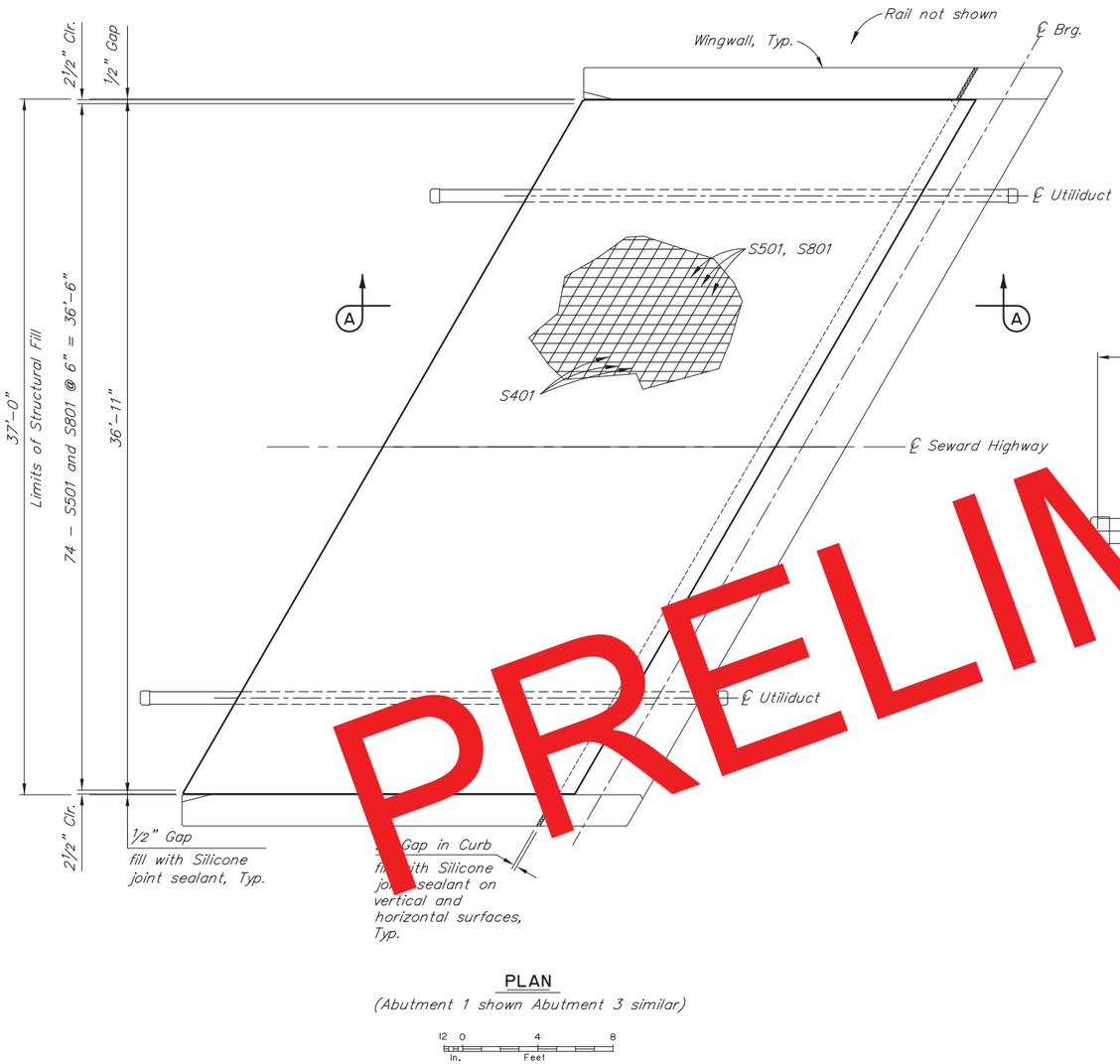
DESIGNED BY: Elmer Marx	CHECKED: Nick Murray		STATE OF ALASKA **DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES** BRIDGE SECTION 3132 Channel Drive Juneau, Alaska 99801 907-465-2975		**VICTOR CREEK BRIDGE** SEWARD HIGHWAY **GIRDER DETAILS**
DRAWN BY: Sam Sollie	CHECKED: Elmer Marx				BRIDGE NO. 607 DWG. NO. 13
QUANTITIES BY: Elmer Marx	CHECKED: Nick Murray				

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2020	N36	N57

REINFORCING STEEL - ONE APPROACH SLAB

MARK	NOTE	SIZE	NO.	LENGTH	TYPE	BENDING DIAGRAM
S401	E,M,S	4	62	42'-2"	---	
S501	E	5	74	20'-5"	---	
S502	E	5	37	5'-0"	BENT	2'-0", 3'-0" S502
S801	E	8	74	20'-5"	---	

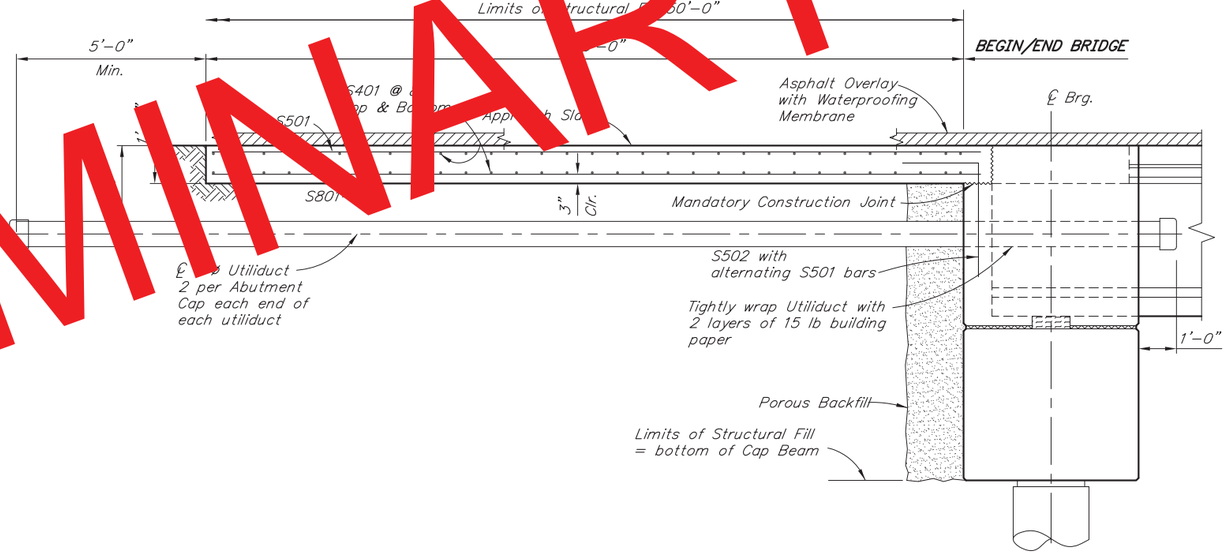
E – Epoxy-coated
Field adjust to match crown
Splices permitted. Length does not include splice



PLAN

(Abutment 1 shown Abutment 3 similar)

12 0 4 8
In. Feet



SECTION A-A

12 6 0 1 2 3 4
In. Feet

DESIGNED BY: Elmer Marx	CHECKED: Nick Murray		
DRAWN BY: Sam Sollie	CHECKED: Elmer Marx		
QUANTITIES BY: Elmer Marx	CHECKED: Nick Murray		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

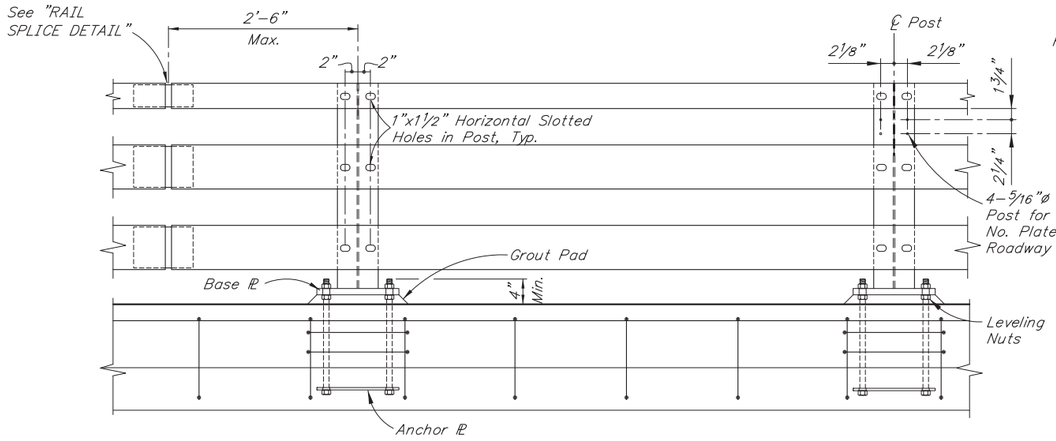
VICTOR CREEK BRIDGE

SEWARD HIGHWAY

APPROACH SLABS

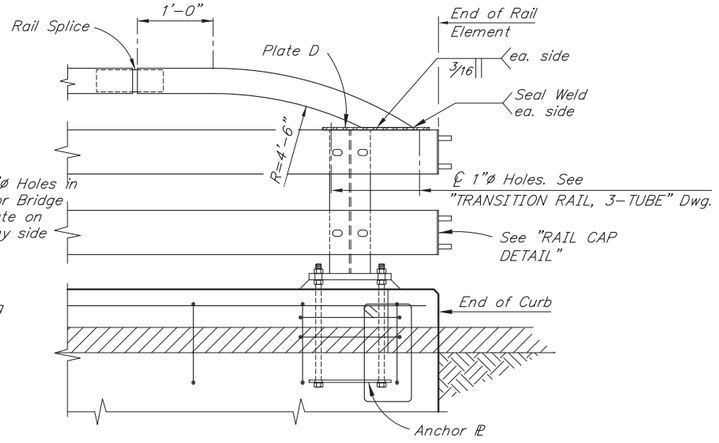
BRIDGE NO. 607
DWG. NO. 14

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2020	N37	N57

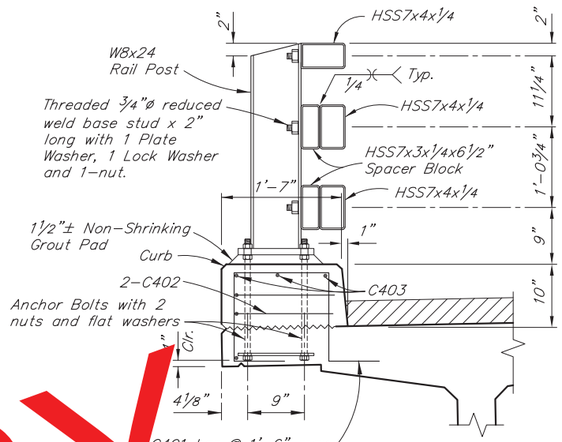


EXPANSION JOINT

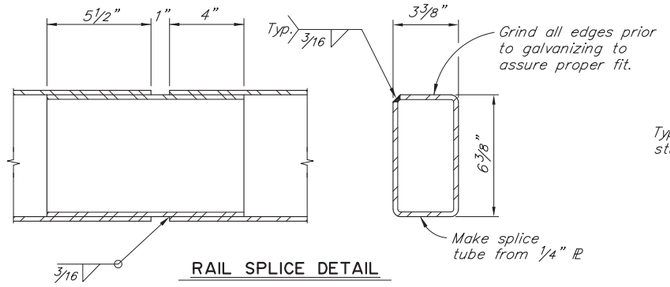
TYPICAL POST ELEVATION



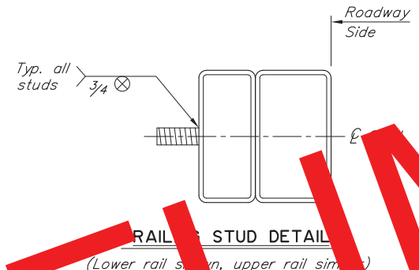
END POST - ELEVATION



TYPICAL SECTION



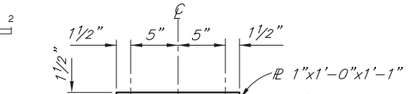
RAIL SPLICE DETAIL



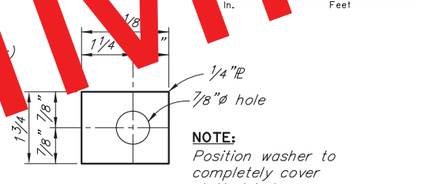
RAIL STUD DETAIL

(Lower rail shown, upper rail similar)

Scale



PLA



NOTE:
Position washer to completely cover slotted hole

BASE PLATE DETAIL

ANCHOR PLATE DETAIL

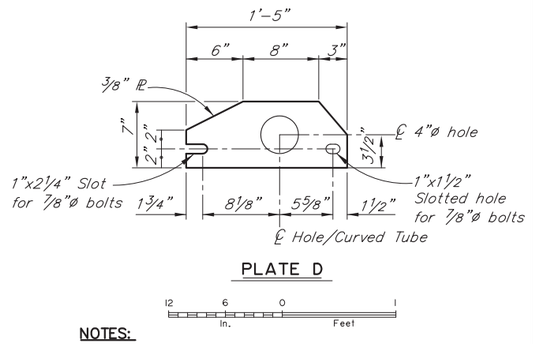
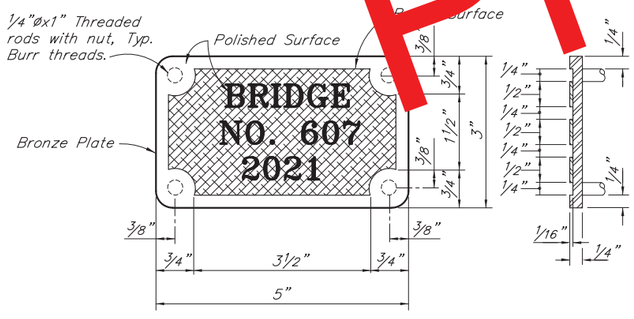
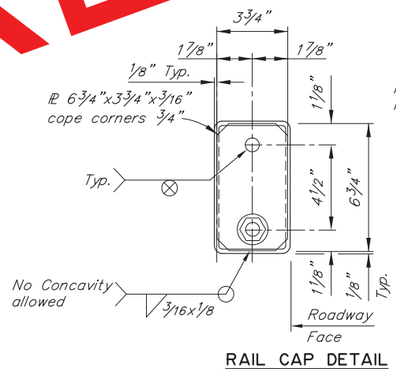


PLATE D



BRONZE BRIDGE NO. PLATE

No Scale



RAIL CAP DETAIL

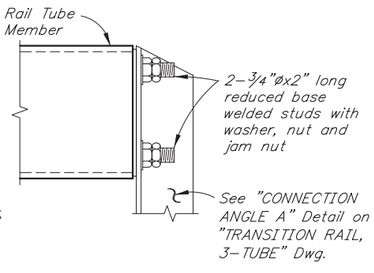


PLATE WASHER

No Scale

NOTES:

1. Locate bridge number plates on right hand side of approaching traffic near each end as shown on "GENERAL LAYOUT" Dwg. (2 total).
2. Furnish bridge number plates. Use "Century" type style lettering. Use studs and nuts that conform to UNS C65100 or C65500. Braze ¼"ø threaded rod to back of plate with nut – 4 required. Use tamper proof nuts.
3. Provide railing expansion joints at 50'-0" maximum intervals. Railing shall be continuous over 2 posts minimum. Railing expansion joints are required in rail panels that span bridge expansion joints.
4. Use grout with a minimum 24-hour f'c of 3000 psi in single placement.
5. See "FRAMING PLAN AND TYPICAL SECTION" Dwg. for rail post spacing.
6. Install bridge rail posts plumb.
7. Adjust reinforcing to accommodate curb taper.

DESIGNED BY:	Elmer Marx	CHECKED:	Nick Murray
DRAWN BY:	Sam Sollie	CHECKED:	Elmer Marx
QUANTITIES BY:	Elmer Marx	CHECKED:	Nick Murray

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

VICTOR CREEK BRIDGE

SEWARD HIGHWAY

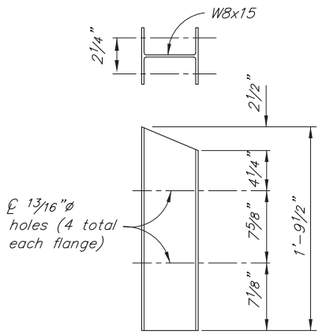
STEEL BRIDGE RAILING. 3-TUBE

BRIDGE NO. 607

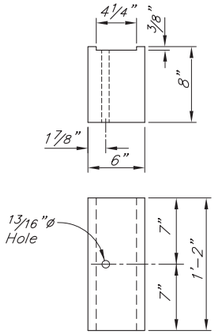
DWG. NO. 15

R:\cad\603,605,607\607-1-RAIL Mon, Nov/16/20 08:09am

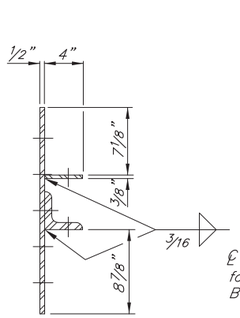
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2020	N38	N57



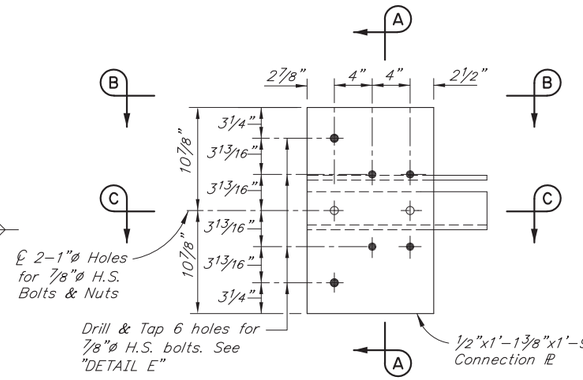
STEEL BLOCKOUT



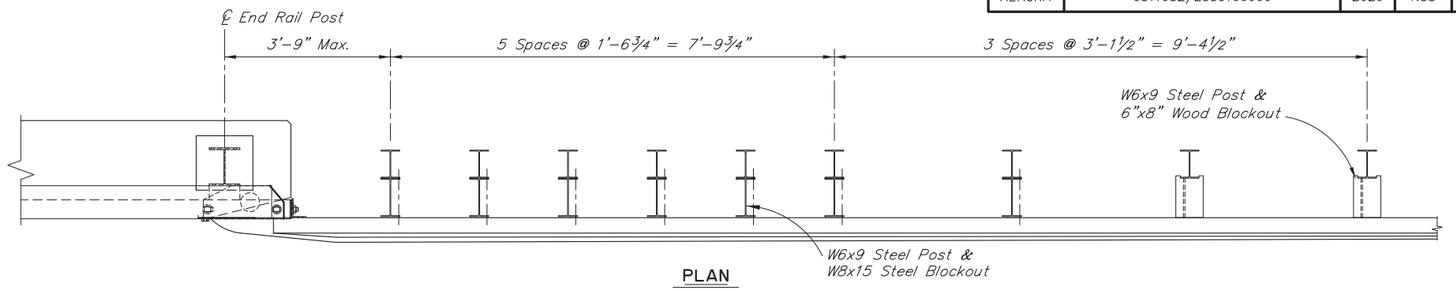
WOOD BLOCKOUT



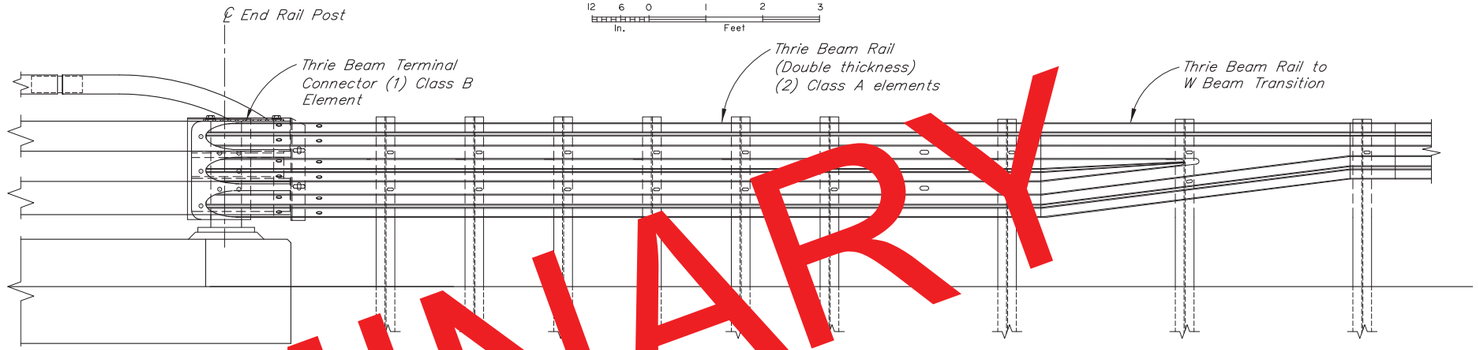
VIEW A-A



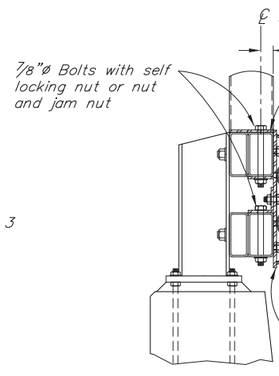
GUARDRAIL CONNECTION PLATE DETAILS



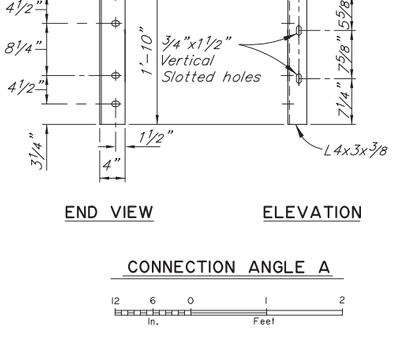
PLAN



ELEVATION

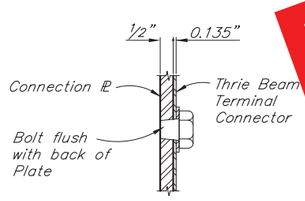


SECTION D-D

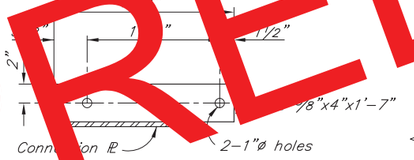


END VIEW ELEVATION

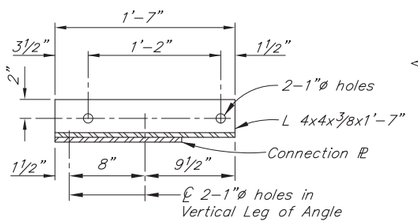
CONNECTION ANGLE A



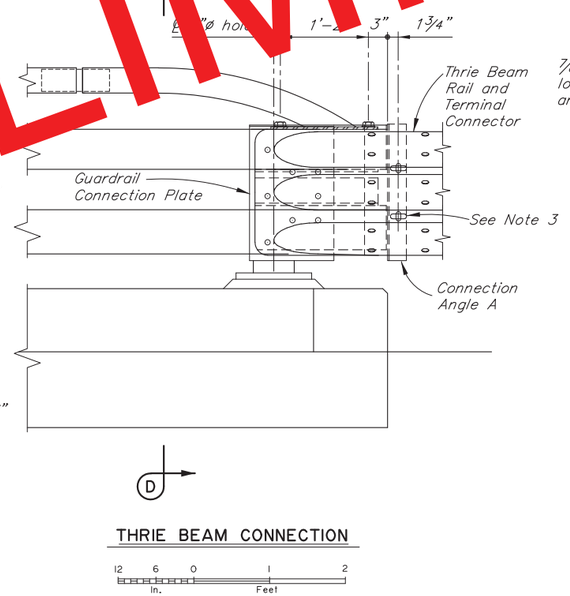
DETAIL E
No Scale



VIEW B-B



SECTION C-C



THRIE BEAM CONNECTION

NOTE:
Verify all bolt hole locations to match Thrie Beam Terminal Connector

NOTES:

1. *Conform to G-00, G-05 and G-10 for all guardrail details not shown.*
2. *Lap approach guardrail to prevent snags from oncoming traffic.*
3. *Provide 4½" horizontal slots in approach guardrail. Adjust guardrail bolts for sliding fit.*

DESIGNED BY:	Elmer Marx	CHECKED:	Nick Murray
DRAWN BY:	Sam Sollie	CHECKED:	Elmer Marx
QUANTITIES BY:	Elmer Marx	CHECKED:	Nick Murray

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

VICTOR CREEK BRIDGE

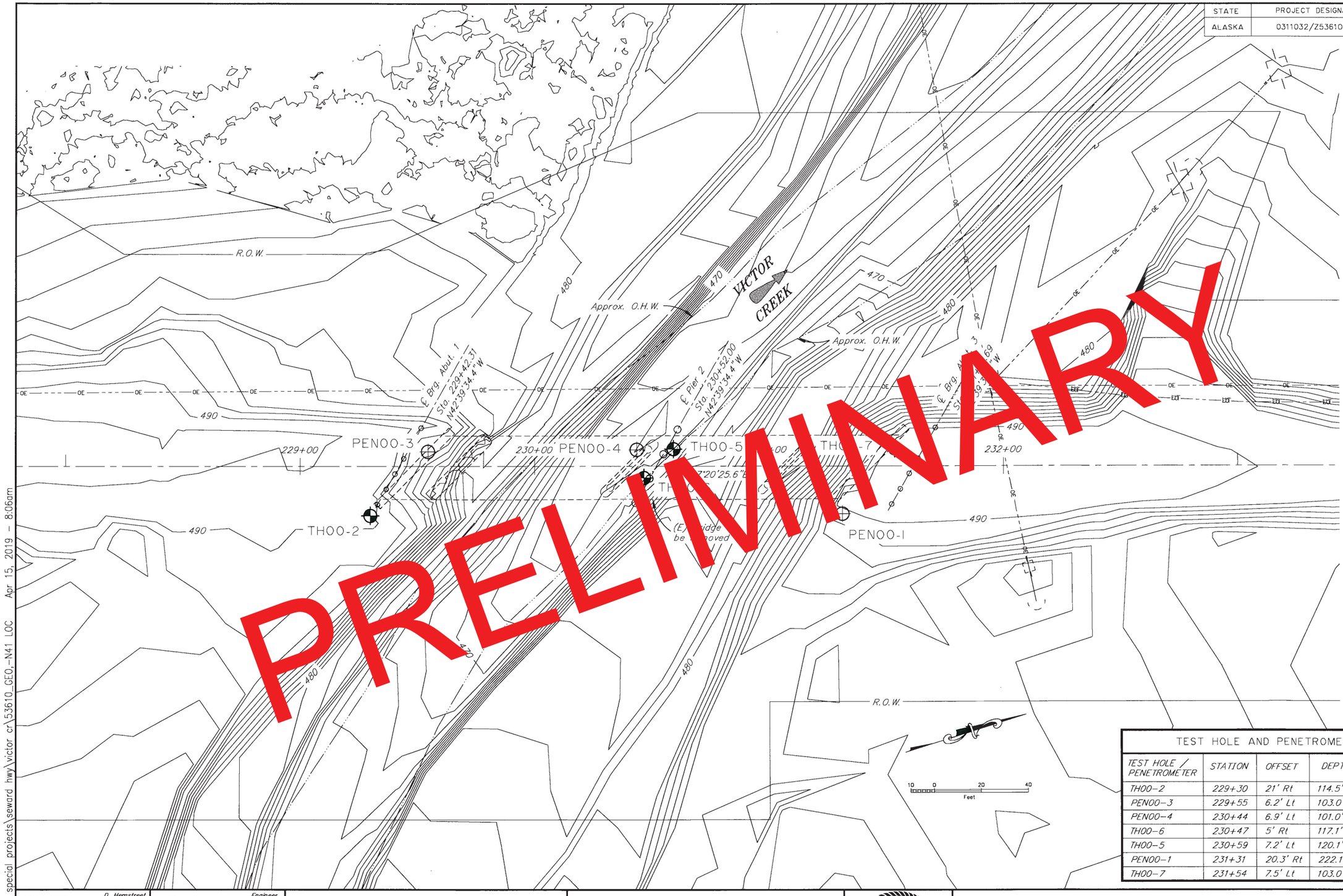
SEWARD HIGHWAY

TRANSITION RAIL, 3-TUBE

BRIDGE NO. 607

DWG. NO. 16

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2019	N39	N57



TEST HOLE AND PENETROMETER LOCATIONS

TEST HOLE / PENETROMETER	STATION	OFFSET	DEPTH	LOCATION
THO0-2	229+30	21' Rt	114.5'	Abutment 1
PEN00-3	229+55	6.2' Lt	103.0'	Abutment 1
PEN00-4	230+44	6.9' Lt	101.0'	Pier 2
THO0-6	230+47	5' Rt	117.1'	Pier 2
THO0-5	230+59	7.2' Lt	120.1'	Pier 2
PEN00-1	231+31	20.3' Rt	222.1'	Abutment 3
THO0-7	231+54	7.5' Lt	103.0'	Abutment 3

DESIGNED BY: D. Hemstreet	CHECKED: Engineer		
DRAWN BY: R. Angell	CHECKED: Engineer		
QUANTITIES BY: Engineer	CHECKED: Engineer		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
STATEWIDE MATERIALS

STATE OF ALASKA 49TH
David A. Hemstreet
No. CE 9800
REGISTERED PROFESSIONAL ENGINEER
4/15/19

VICTOR CREEK BRIDGE
SEWARD HIGHWAY
TEST HOLE & PENETROMETER LOCATION

BRIDGE NO. 0607
DWG. NO. 41

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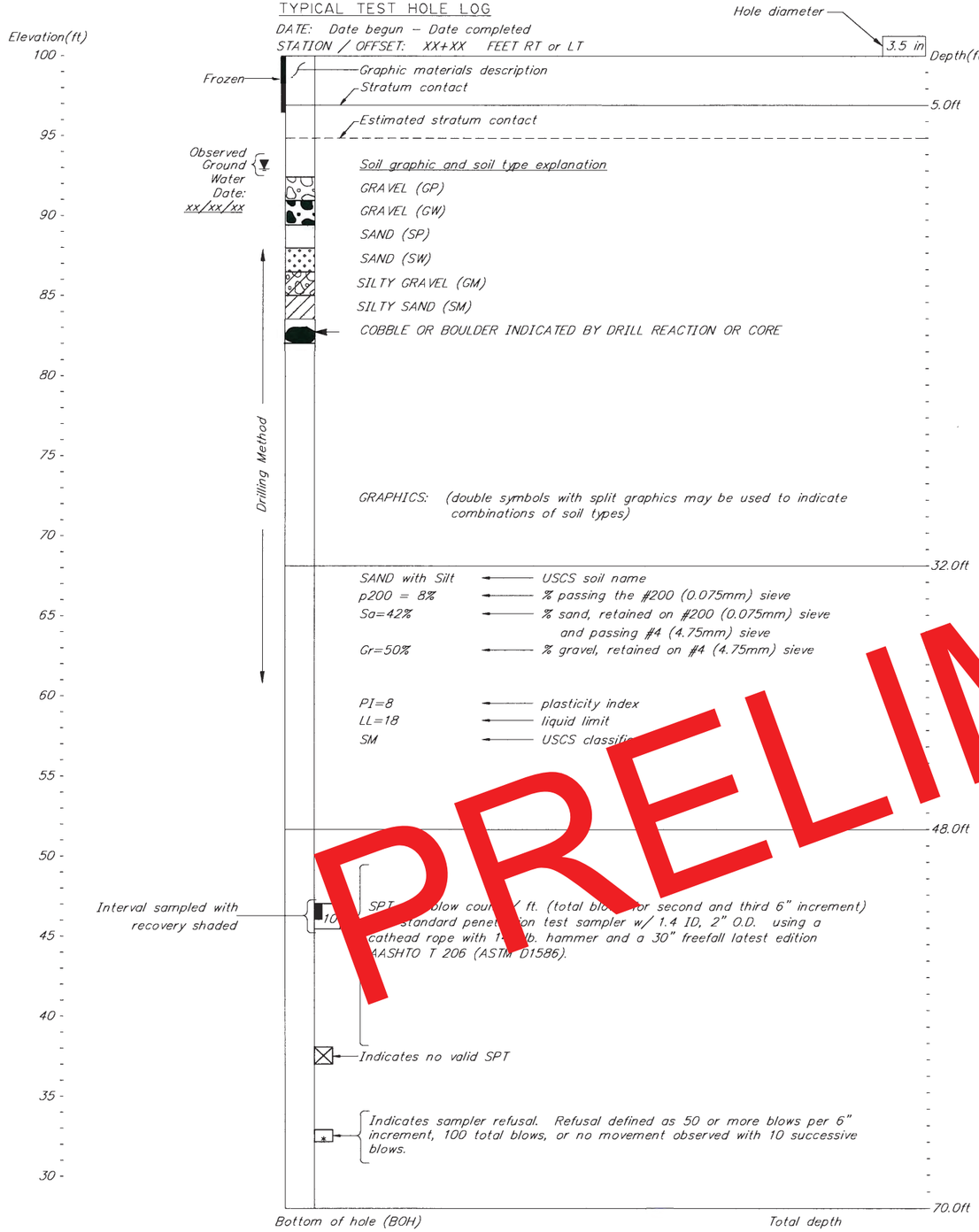
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2019	N40	N57

TYPICAL TEST HOLE LOG

DATE: Date begun – Date completed
STATION / OFFSET: XX+XX FEET RT or LT

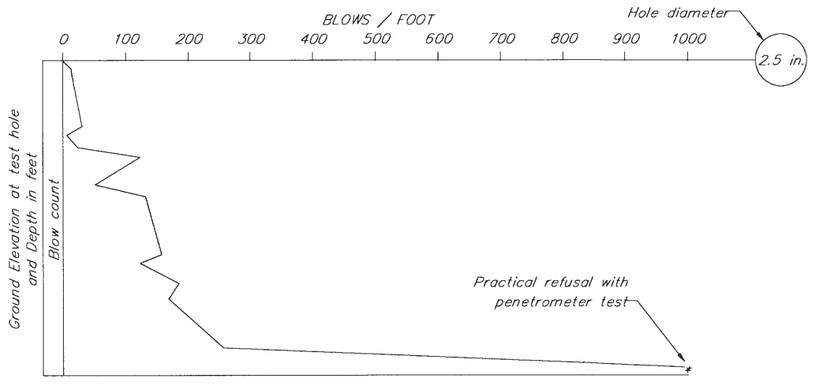


NOTES:

1) The test hole logs depicted graphically in these drawings are distillations of the original field logs, based on post-field investigation review and analysis. These drafted logs include changes made to field descriptions based upon laboratory test data, review and analysis. Detailed field observations of rock and soil sampled during the drilling program are not reproduced in the drafted logs.
2) Description of soils follows Alaska Geotechnical Procedures manual.
   Classification of soils follows Unified Soil Classification System (ASTM D2487).
3) The test hole logs from these sheets are an integral part of the Foundation Geology Report. See Construction Contract Bid Documents – invitation to bid/notice to bidders. Important information about the test hole logs and the foundation investigation is contained in the report. The test hole logs are not severable from and cannot be completely and correctly interpreted without reference to the Foundation Geology Report.

TYPICAL PENETROMETER TEST LOG

DATE: Date begun – Date completed
STATION / OFFSET: XX+XX / RT or LT (feet)



NOTES:
Penetrometer W/2.5" O.D., with a CME AUTOMATIC Hammer using a 340 lb. weight and a 30" freefall

DESIGNED BY: D. Hemstreet	CHECKED: Engineer		
DRAWN BY: R. Angell	CHECKED: Engineer		
QUANTITIES BY: Engineer	CHECKED: Engineer		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
STATEWIDE MATERIALS

STATE OF ALASKA 49TH David A. Hemstreet No. CE 9800 REGISTERED PROFESSIONAL ENGINEER
David A. Hemstreet 4/15/19

VICTOR CREEK BRIDGE
SEWARD HIGHWAY
TEST HOLES AND PENETROMETER LEGEND

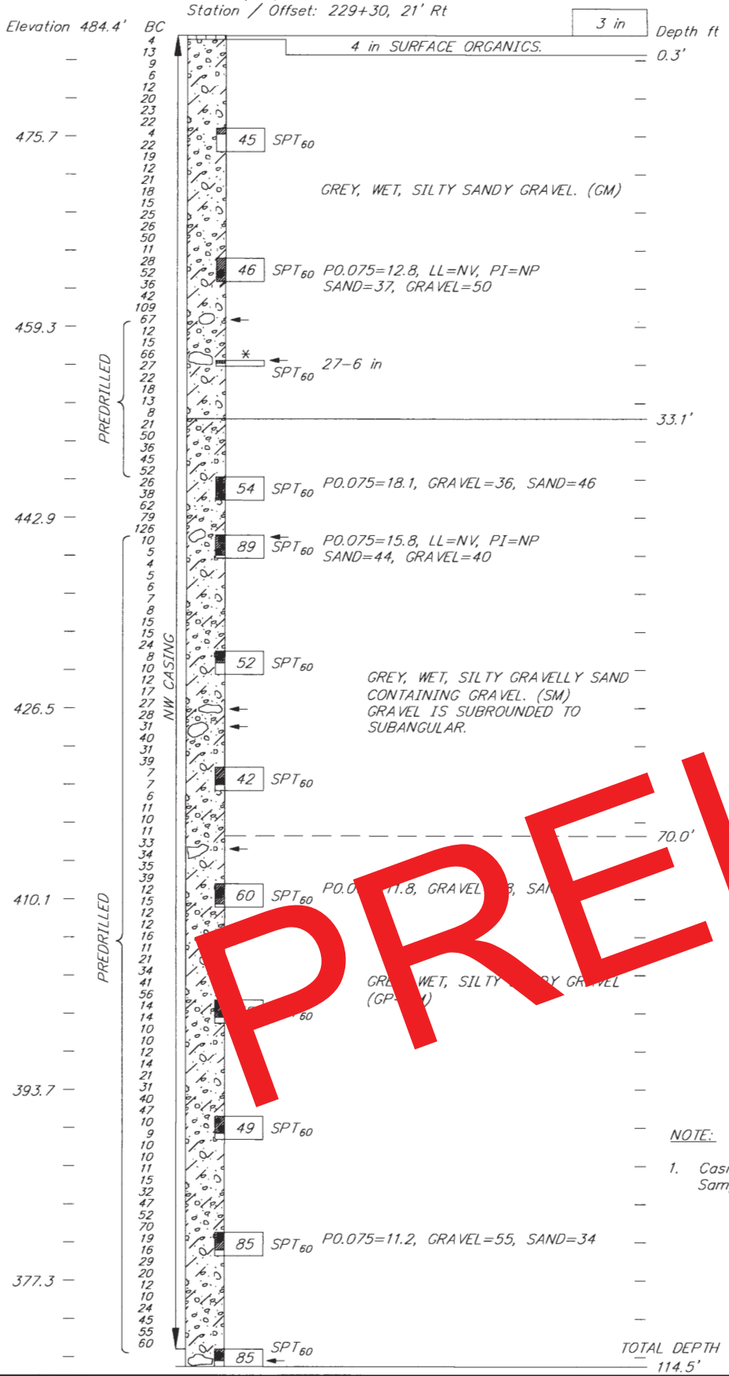
BRIDGE NO. 0607
DWG. NO. 42

R:\Projects\drafting special projects\seward hwy\victor cr\53610_GEO,-N42 TYP Apr 15, 2019 - 8:06am

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2019	N41	N57

TH00-2

Date: 6/24/00
Station / Offset: 229+30, 21' Rt
Elevation 484.4' BC

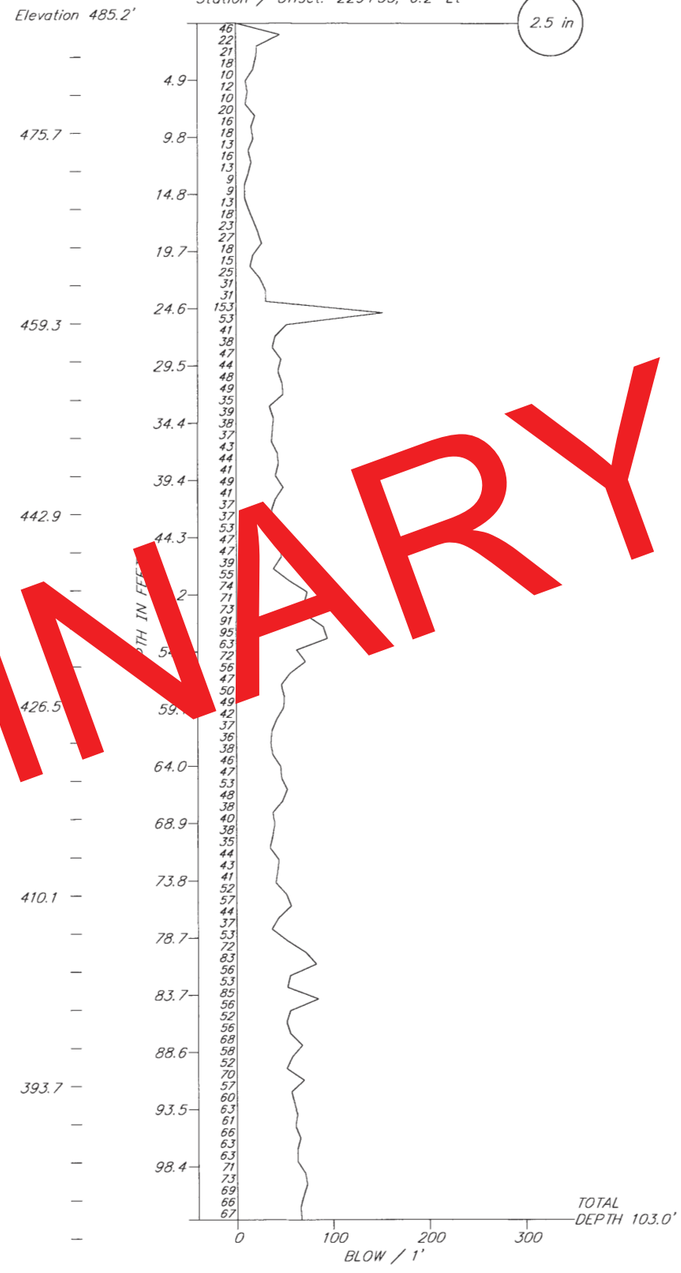


NOTE:

1. Casing driven with 340 lb CME Auto-hammer.
   Sample driven with 140 lb hammer and cathead rope.

PEN00-3

Date: 8/1/00
Station / Offset: 229+55, 6.2' Lt
Elevation 485.2'



NOTE:

1. Penetrometer pullout break force immediately after driving to 103.0' was 200 psi.

DESIGNED BY: D. Hemstreet	CHECKED: Engineer		
DRAWN BY: R. Angell	CHECKED: Engineer		
QUANTITIES BY: Engineer	CHECKED: Engineer		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
STATEWIDE MATERIALS

STATE OF ALASKA 49TH
David A. Hemstreet
No. CE 9800
REGISTERED PROFESSIONAL ENGINEER
2/15/19

VICTOR CREEK BRIDGE

SEWARD HIGHWAY

TEST HOLE & PENETROMETER LOGS

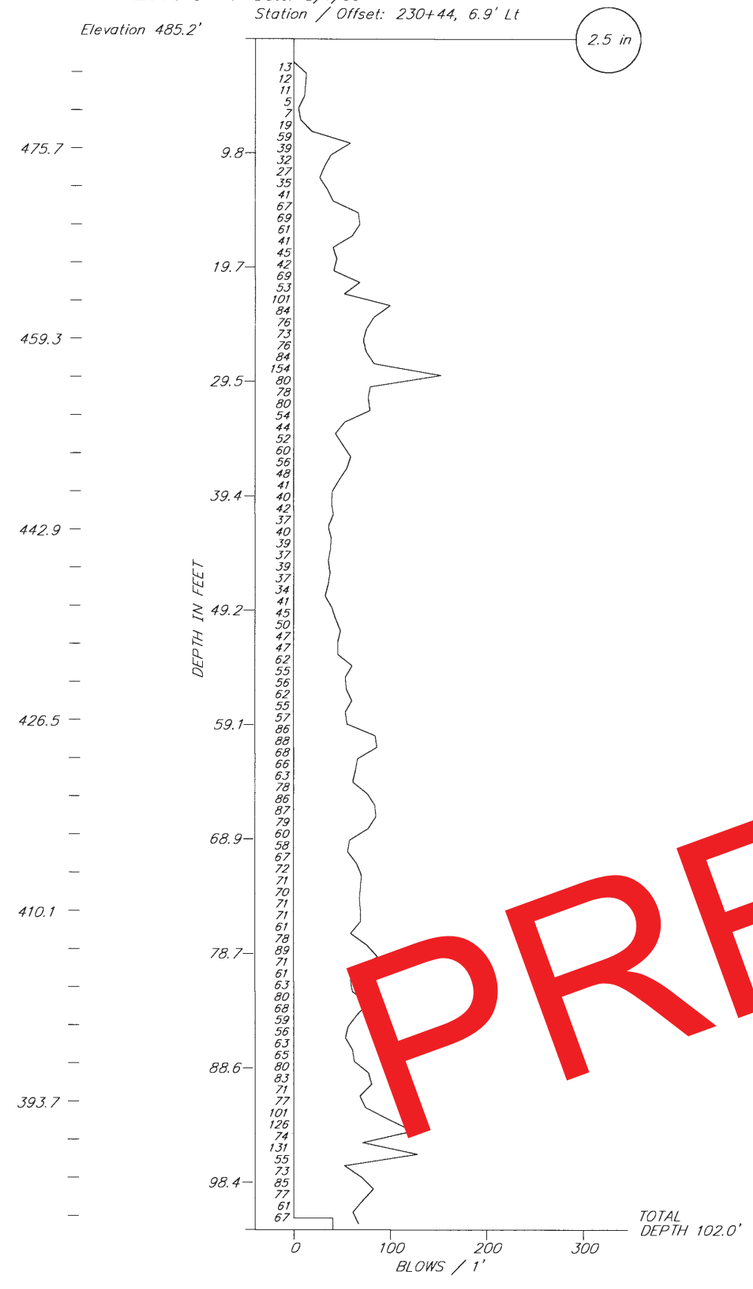
BRIDGE NO. 0607
DWG. NO. 43

R:\Projects\drafting special projects\seward hwy\victor cr\53610_GEO,-N43 TH00-2PEN00-3 Apr 15, 2019 - 8:07am

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2019	N42	N57

PEN00-4

Date: 8/1/00
Station / Offset: 230+44, 6.9' Lt
Elevation 485.2'

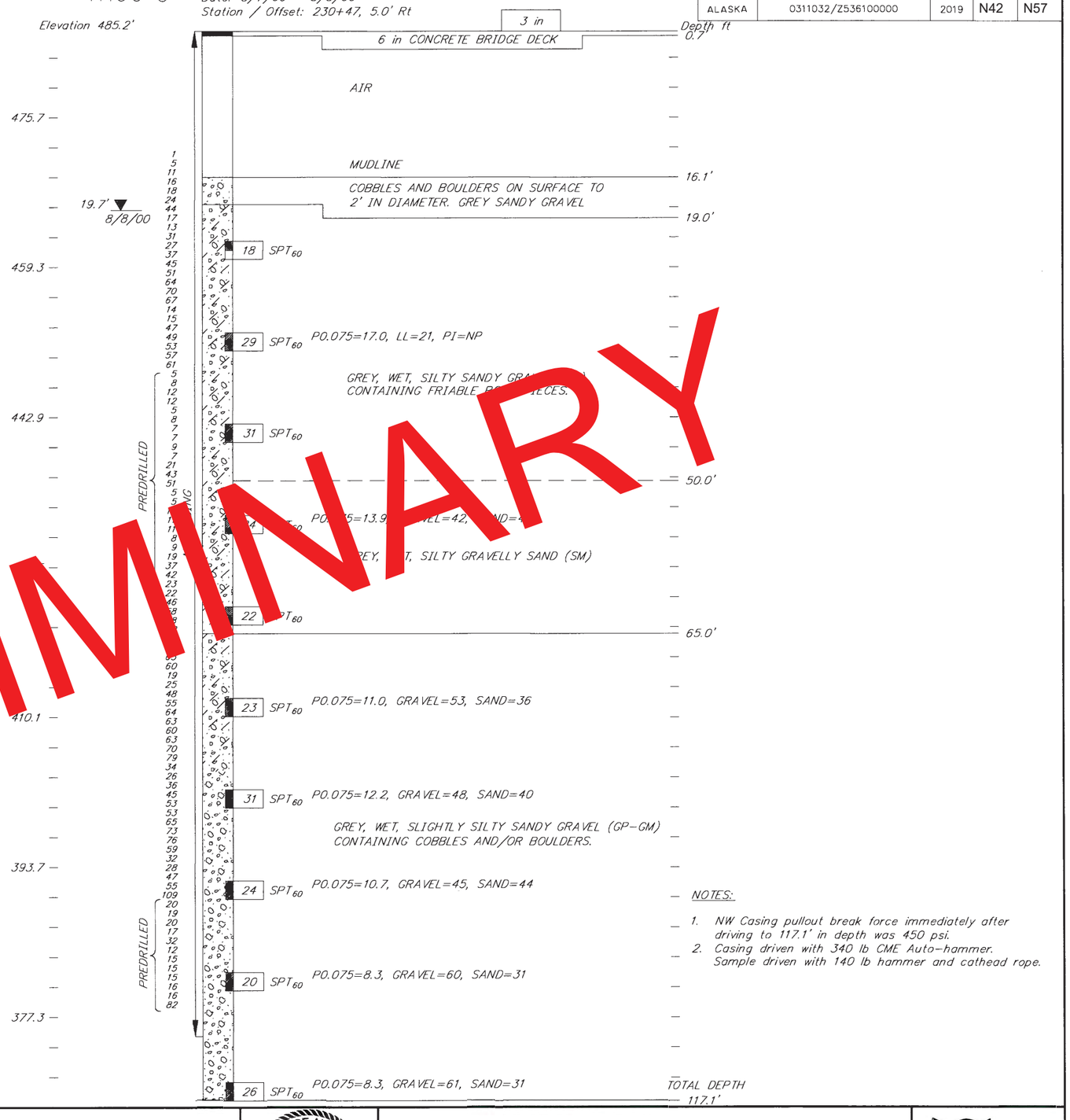


NOTE:

1. Penetrometer pullout break force immediately after driving to 102.0' was 200 psi.

TH00-6

Date: 8/7/00 – 8/8/00
Station / Offset: 230+47, 5.0' Rt
Elevation 485.2'



NOTES:

1. NW Casing pullout break force immediately after driving to 117.1' in depth was 450 psi.
2. Casing driven with 340 lb CME Auto-hammer. Sample driven with 140 lb hammer and cathead rope.

DESIGNED BY: D. Hemstreet	CHECKED: Engineer		
DRAWN BY: R. Angell	CHECKED: Engineer		
QUANTITIES BY: Engineer	CHECKED: Engineer		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
STATEWIDE MATERIALS

STATE OF ALASKA 49TH
David A. Hemstreet No. CE 9800 REGISTERED PROFESSIONAL ENGINEER
4/15/19

VICTOR CREEK BRIDGE

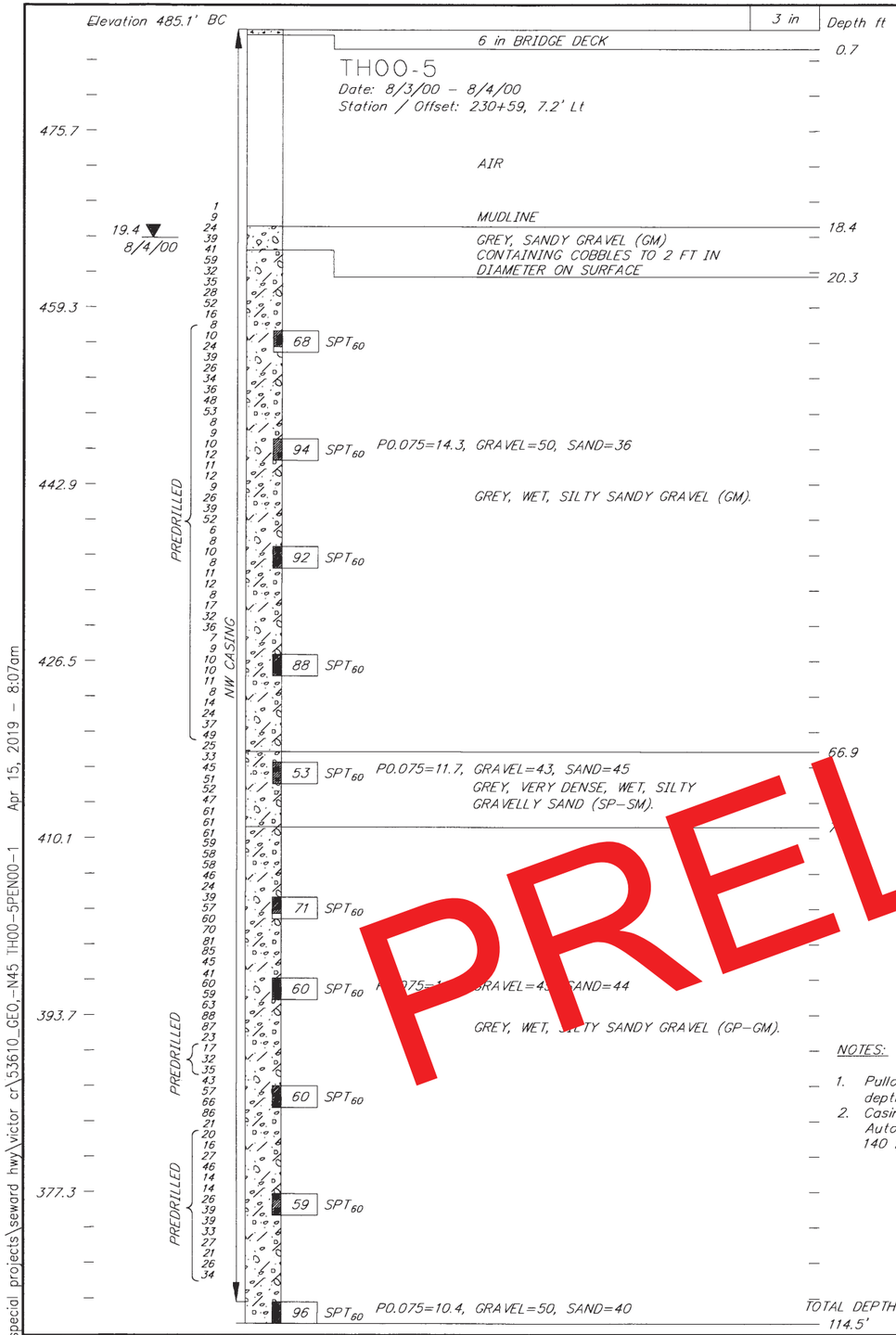
SEWARD HIGHWAY

TEST HOLE & PENETROMETER LOGS

BRIDGE NO. 0607
DWG. NO. 44

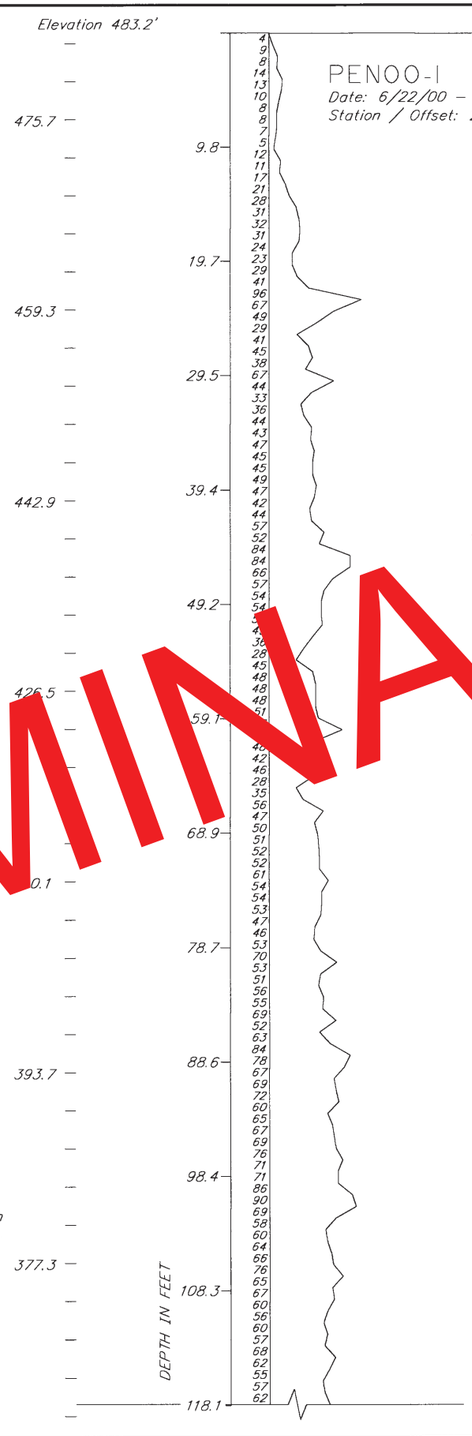
R:\Projects\drafting special projects\seward hwy\victor cr\53610_GEO_-N44 PEN00-4TH00-6 Apr 15, 2019 - 8:07am

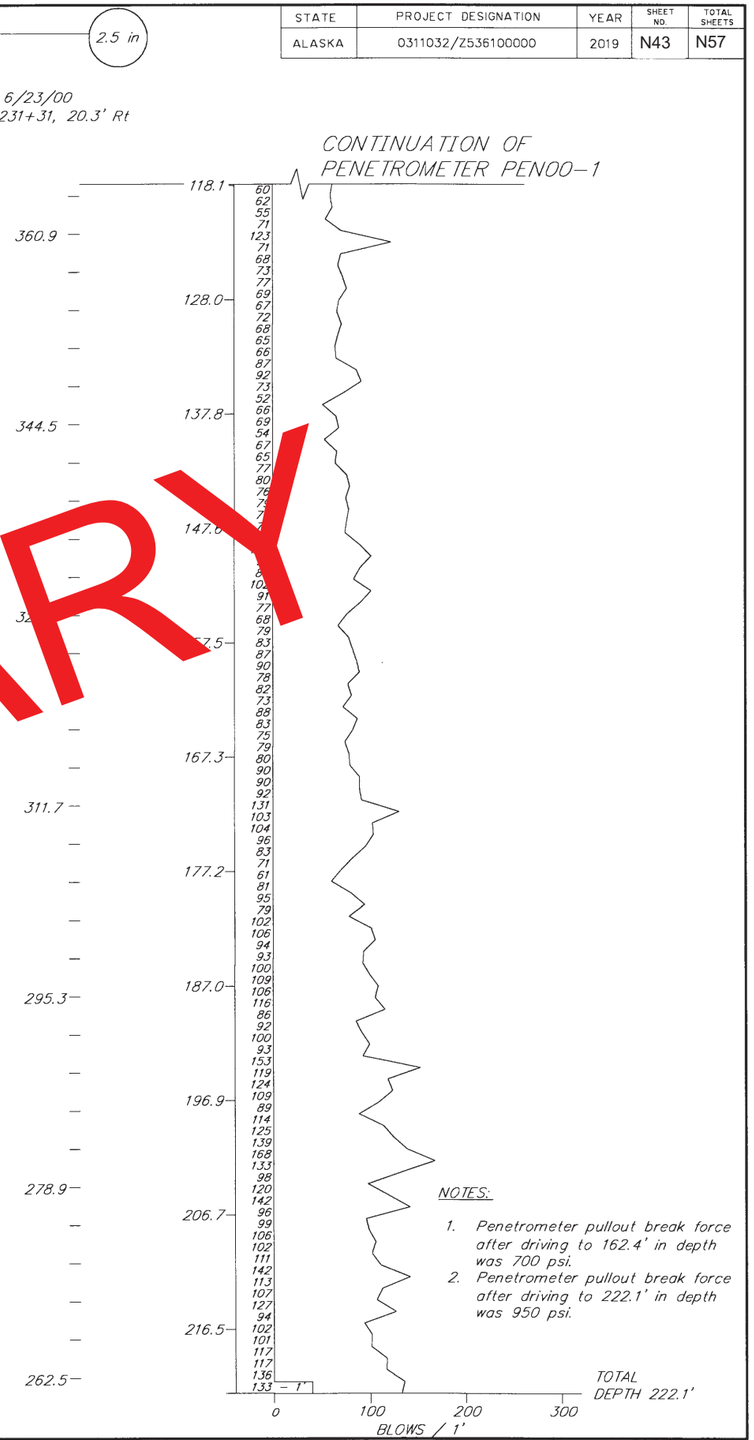
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2019	N43	N57



NOTES:

1. Pullout break force at 114.5' in depth was 750 psi.
2. Casing driven with 340 lb CME Auto–hammer. Sample driven with 140 lb hammer and cathead rope.





NOTES:

1. Penetrometer pullout break force after driving to 162.4' in depth was 700 psi.
2. Penetrometer pullout break force after driving to 222.1' in depth was 950 psi.

PRELIMINARY

DESIGNED BY: D. Hemstreet	CHECKED: Engineer		
DRAWN BY: R. Angell	CHECKED: Engineer		
QUANTITIES BY: Engineer	CHECKED: Engineer		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
STATEWIDE MATERIALS

STATE OF ALASKA 49 TH
David A. Hemstreet
No. CE 9800
REGISTERED PROFESSIONAL ENGINEER
4/15/19

VICTOR CREEK BRIDGE
SEWARD HIGHWAY
TEST HOLE & PENETROMETER LOGS

BRIDGE NO. 0607
DWG. NO. 45

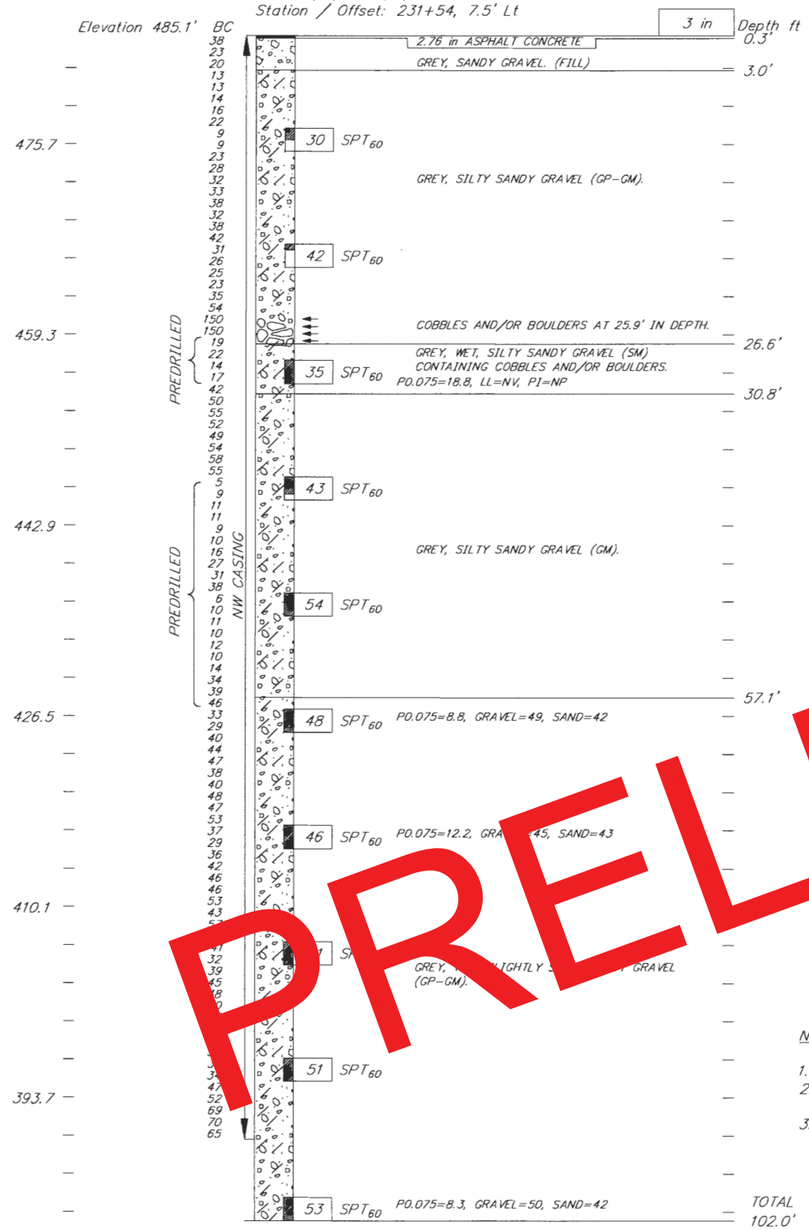
R:\Projects\drafting special projects\seward hwy\victor cr\53610_GEO,-N45 TH00-5PEN00-1 Apr 15, 2019 - 8:07am

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2019	N44	N57

TH00-7

Date: 8/8/00–8/9/00

Station / Offset: 231+54, 7.5' Lt



NOTES:

1. NW Casing pullout break force from 102.0' in depth was 300 psi.
2. NW Casing broke off at 44.9' in depth.
   Abandoned approximately 49.9' of NW Casing.
3. Casing driven with 340 lb CME Auto-hammer.
   Sample driven with 140 lb hammer and cathead rope.

DESIGNED BY: D. Hemstreet	CHECKED: Engineer		
DRAWN BY: R. Angell	CHECKED: Engineer		
QUANTITIES BY: Engineer	CHECKED: Engineer		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
STATEWIDE MATERIALS

STATE OF ALASKA 49TH
David A. Hemstreet
No. CE 9800
REGISTERED PROFESSIONAL ENGINEER
4/15/19

VICTOR CREEK BRIDGE
SEWARD HIGHWAY
TEST HOLE & PENETROMETER LOGS

BRIDGE NO. 0607
DWG. NO. 46

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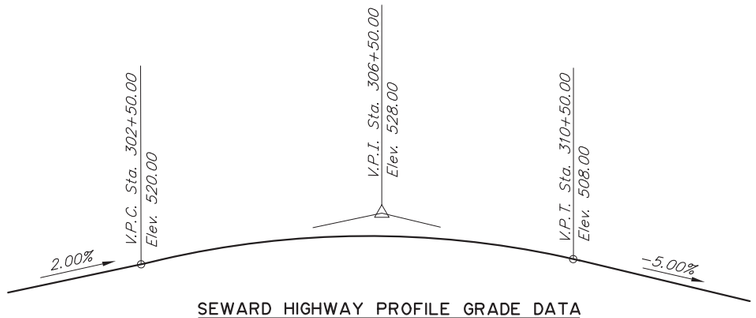
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	N45	N57



SEWARD HIGHWAY PROFILE GRADE DATA

No Scale

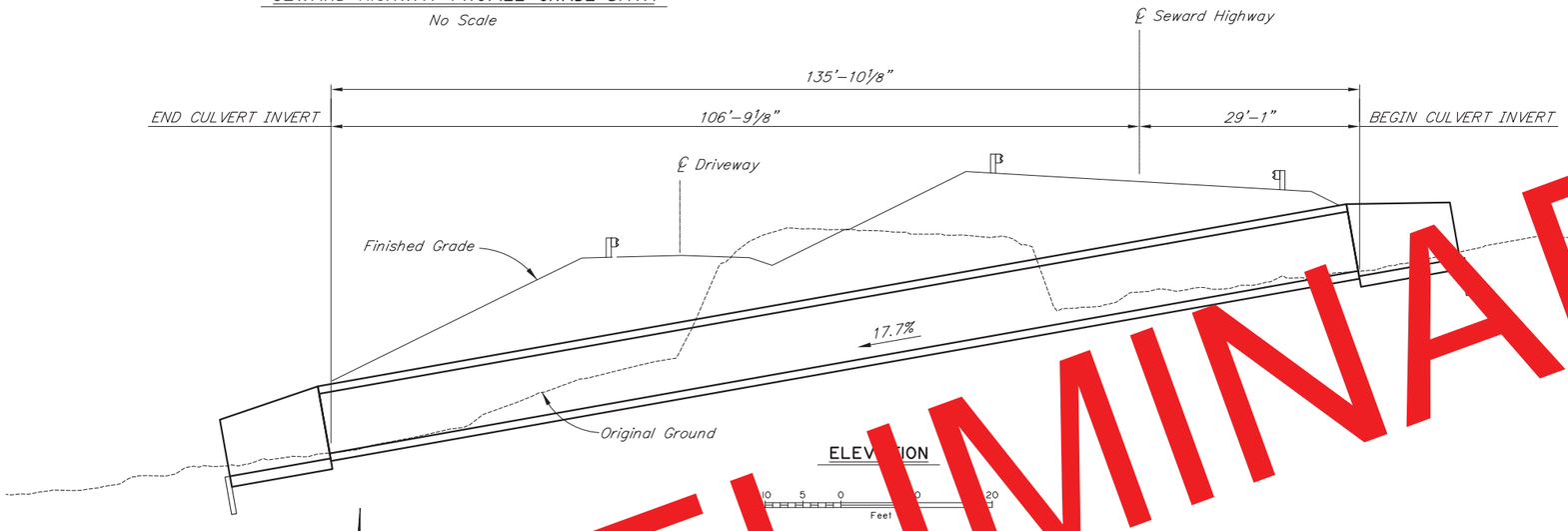
CURVE DATA

SEWARD HIGHWAY

P.I. Sta. 301+92.80
N =129735.64
E =57506.87
Δ =54°13'14.7"
T =716.74'
L =1324.86'
R =1400.00'
S =0.057

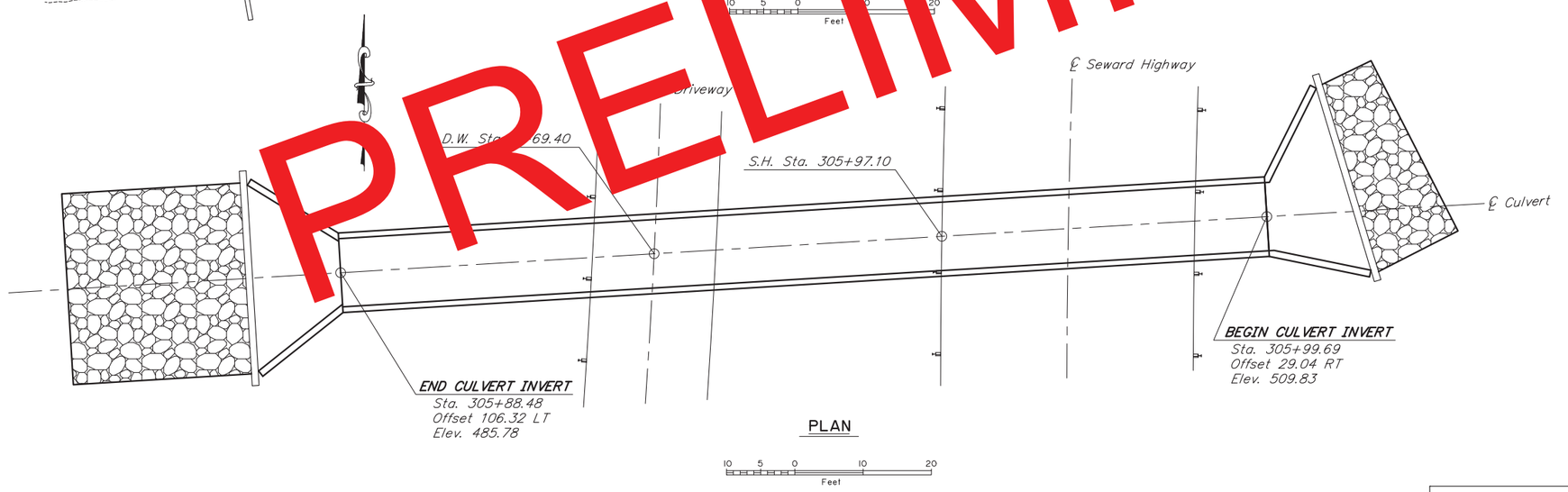
DRIVEWAY

P.I. Sta. 2+39.18
N =130205.47
E =57543.78
Δ =5°47'31.7"
T =62.73'
L =125.35'
R =1240.00'



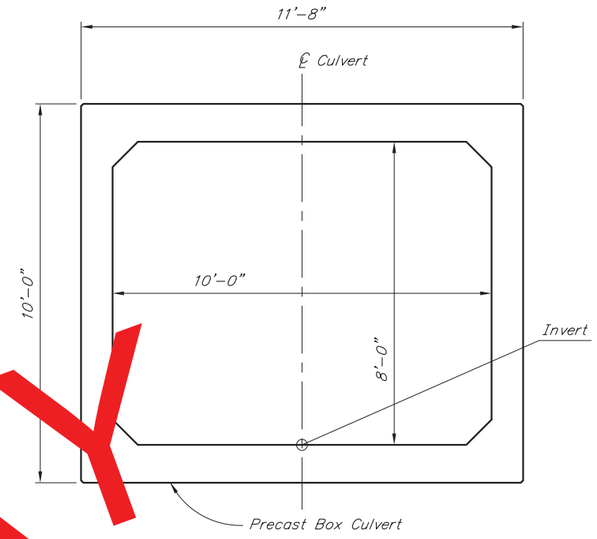
ELEVATION

10 5 0 10 20
Feet



PLAN

10 5 0 10 20
Feet



TYPICAL SECTION

12 6 0 1 2 3 4
In. Feet

BRIDGE DRAWING INDEX

NOTES:

(E) = Existing
— — — = Existing
——— = Proposed

Verify controlling field dimensions before ordering or fabricating any material.

PRELIMINARY PLAN

DESIGN BY: Nick Murray	CHECKED: Douglas Gelineau	LAYOUT BY: Nick Murray	CHECKED BY: Douglas Gelineau		
DRAWN BY: Michael Foster	CHECKED: Nick Murray	SPECIFICATIONS BY: Nick Murray	P S & E COMPARED: Douglas Gelineau		
QUANTITIES BY: Nick Murray	CHECKED: Douglas Gelineau	APPROVAL RECOMMENDED BY: Rich Pratt			

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

ROCKY CREEK CULVERT

SEWARD HIGHWAY

GENERAL LAYOUT

BRIDGE NO. 7207

DWG. NO. 1

R:\cad\7207\7207-GEN Mon, Nov/16/20 08:27am

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	N46	N57

SITE PLAN

5 0 10 20
Feet

PRELIMINARY

GENERAL NOTES

DESIGN:..... AASHTO LRFD Bridge Design Specifications, 8th Edition, with latest interim specifications.

Seismic design per AASHTO Guide Specifications for LRFD Seismic Bridge Design, 2011 with latest interim revisions.

LIVE LOAD:..... HL-93

SEISMIC PARAMETERS:..... PGA = 0.521
Ss = 1.20
S1 = 0.50
Site Class = D
Liquefaction Potential = Low
AASHTO 7% probability of exceedance in 75 years.

REINFORCEMENT:..... ASTM A706, Grade 60, Fy = 60,000 psi
Space reinforcement evenly unless otherwise noted.

PRECAST CONCRETE:..... Class P Concrete
f'c = 5,000 psi

CAST IN PLACE CONCRETE:..... Class A Concrete
f'c = 4,000 psi

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM	PAY UNIT	ESTIMATING UNIT	SUBST.	SUPERST.	TOTAL QUANTITY
603.2013.1000	Box Culvert, Precast Reinforced Concrete, 10'-0" Span, 8'-0" Rise	LS	LS	All Req'd	All Req'd	All Req'd

Item numbers are for reference only. Quantities shown are not necessarily the pay quantities nor the total quantity of the particular item.

ABBREVIATIONS:

℄	= centerline	f.f.	= front/air face
℔	= plate	f'c	= specified concrete compressive strength
&	= and		
@	= at	Fy	= yield stress
ø	= diameter	Galv.	= galvanize
±	= approximate	Hwy.	= highway
AASHTO	= American Association of State Highway and Transportation Officials	ksf	= 1000 pounds per square foot
		LB	= pound
		LF	= linear foot
ASTM	= American Society for Testing and Materials	LS	= lump sum
		Lt.	= left
Abut.	= abutment	max.	= maximum
Approx.	= approximate	min.	= minimum
b.f.	= back/dirt face	n.f.	= near face
bot.	= bottom	No.	= number
Br.	= bridge	o.c.	= on center
btwn.	= between	O.H.W.	= ordinary high water
Brg.	= bearings	pcf	= pounds per cubic foot
C.I.P.	= cast in place	psf	= pounds per square foot
Clr.	= clear, clearance	psi	= pounds per square inch
CY	= cubic yard	VPC	= point of vertical curve
dia.	= diameter	VPI	= point of vertical intersection
DS	= downstream	VPT	= point of vertical tangent
Dwg.	= drawing	R.O.W.	= right of way
E	= expansion	Rt.	= right
(E)	= existing	Rd.	= road
EA	= each	spc.	= space, spaces
Elev.	= elevation	Sta.	= station
e.f.	= each face	SF	= square feet
e.a.	= each way	Symm.	= symmetric
F	= fixed	Typ.	= typical
		US	= upstream
		w/	= with

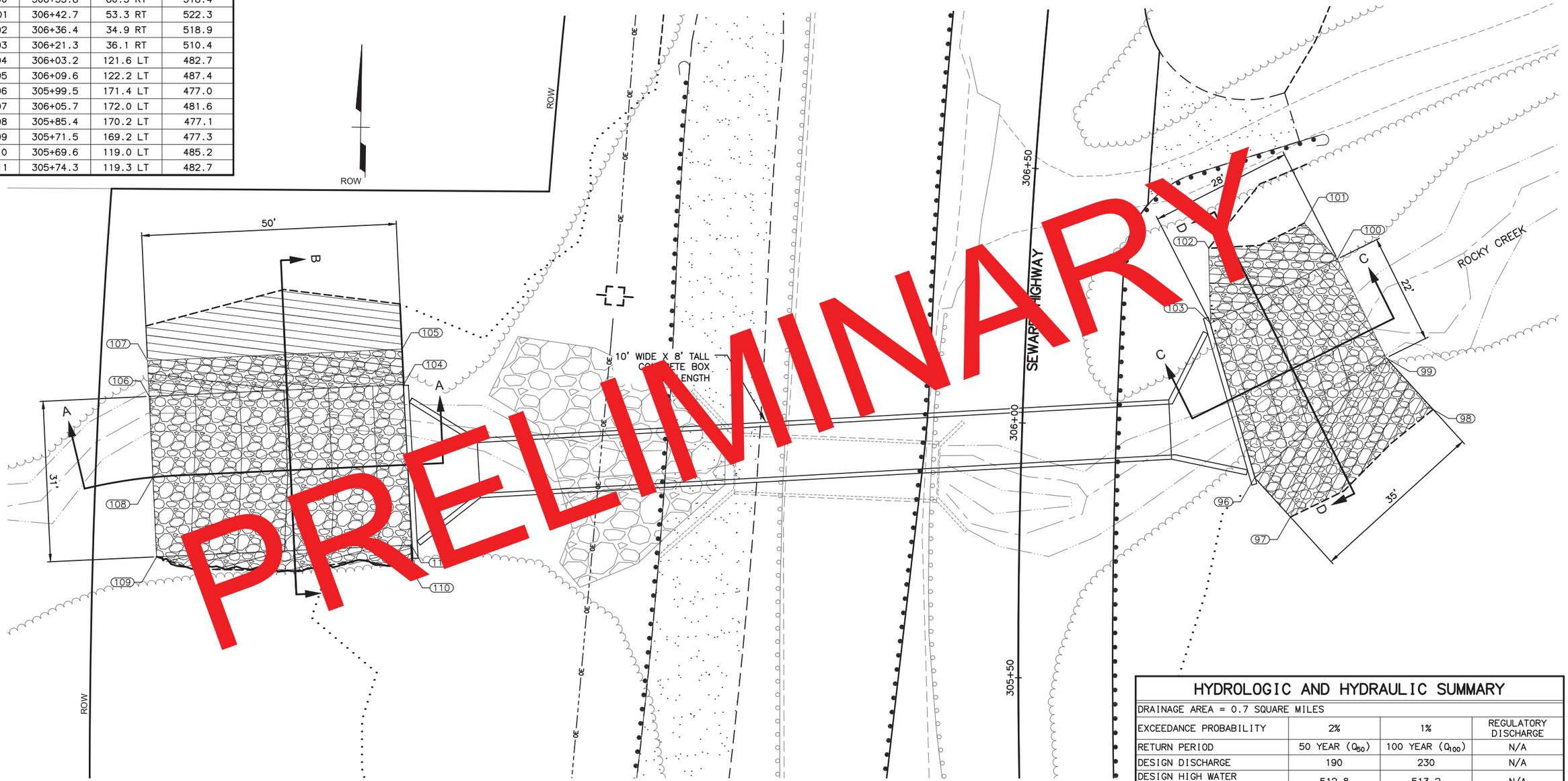
DESIGN BY: Nick Murry	CHECKED: Douglas Gelineau	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES BRIDGE SECTION 3132 Channel Drive Juneau, Alaska 99801 907-465-2975	ROCKY CREEK CULVERT SEWARD HIGHWAY SITE PLAN
DRAWN BY: Michael Foster	CHECKED: Nick Murray		BRIDGE NO. 7207 DWG. NO. 2
QUANTITIES BY: Nick Murray	CHECKED: Douglas Gelineau		

R:\cad\7207\7207-SITE PLAN Mon, Nov/16/20 08:27am

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	31I032/Z536100000	2020	N3	NI3

RIPRAP TABLE

POINT	STATION	OFFSET	ELEVATION
96	305+90.5	45.9 RT	510.4
97	305+82.7	53.1 RT	515.7
98	306+05.7	80.5 RT	523.5
99	306+16.0	70.8 RT	516.7
100	306+35.8	60.3 RT	518.4
101	306+42.7	53.3 RT	522.3
102	306+36.4	34.9 RT	518.9
103	306+21.3	36.1 RT	510.4
104	306+03.2	121.6 LT	482.7
105	306+09.6	122.2 LT	487.4
106	305+99.5	171.4 LT	477.0
107	306+05.7	172.0 LT	481.6
108	305+85.4	170.2 LT	477.1
109	305+71.5	169.2 LT	477.3
110	305+69.6	119.0 LT	485.2
111	305+74.3	119.3 LT	482.7



PLAN

HYDROLOGIC AND HYDRAULIC SUMMARY

DRAINAGE AREA = 0.7 SQUARE MILES			
EXCEEDANCE PROBABILITY	2%	1%	REGULATORY DISCHARGE
RETURN PERIOD	50 YEAR (Q_{50})	100 YEAR (Q_{100})	N/A
DESIGN DISCHARGE	190	230	N/A
DESIGN HIGH WATER ELEVATION	512.8	513.2	N/A
ANTICIPATED ADDITIONAL BACKWATER AT 1% AEP = 0.0 FEET			
OVERTOPPING FLOW = 1,120 CFS			

DESIGNED BY: HRA	CHECKED: MF	PLANS DEVELOPED BY: R&M CONSULTANTS, INC. 9101 VANGUARD DR ANCHORAGE, AK 99507 (907) 522-1707 CERT. OF AUTH. NO. AECC111
DRAWN BY: CP	CHECKED: MF	
QUANTITIES BY: -	CHECKED: -	

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
BRIDGE SECTION

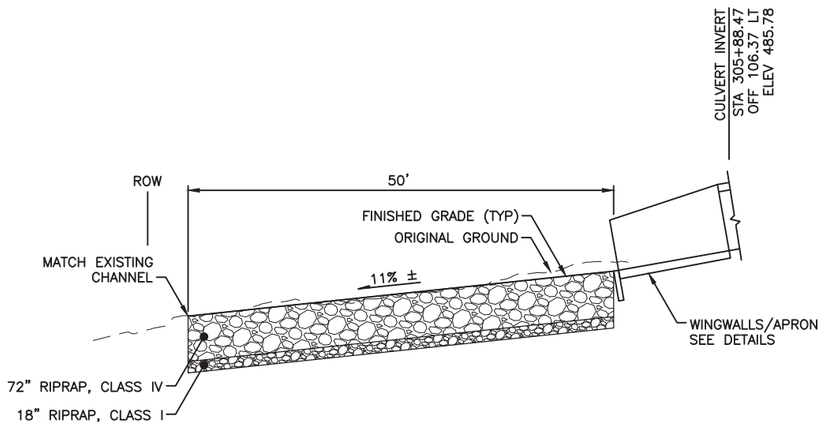
STATE OF ALASKA — 49TH — Marc Frutiger No. CE 11889 — REGISTERED PROFESSIONAL ENGINEER — CERT. SEPT. JUNE 20

ROCKY CREEK BRIDGE
SEWARD HIGHWAY
RIPRAP LAYOUT

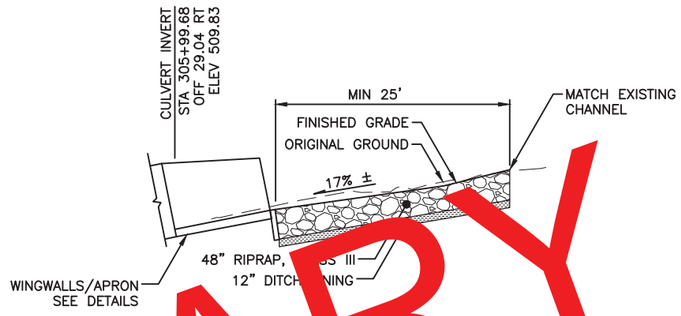
BRIDGE NO. 7207
DWG. NO. 3

Z:\project\2456.01 DOT_C Seward Hwy MP 17 22 5\Civil\ACAD\2456.01-N sheets-N3 Tue, Jun/16/20 03:17pm

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	3I1032/Z536100000	2020	N4	NI3



SECTION A–A



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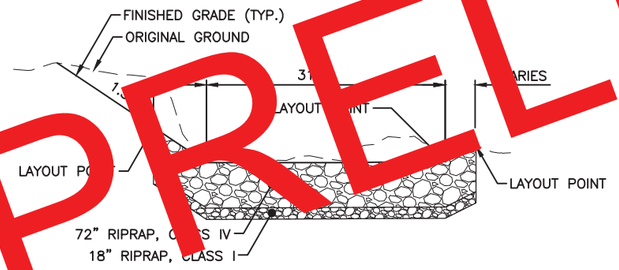

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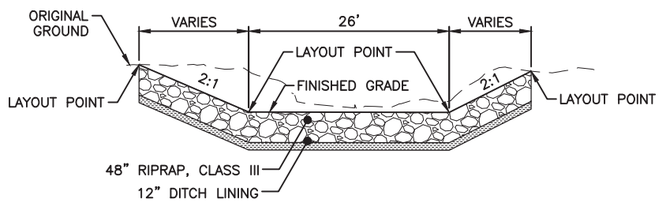
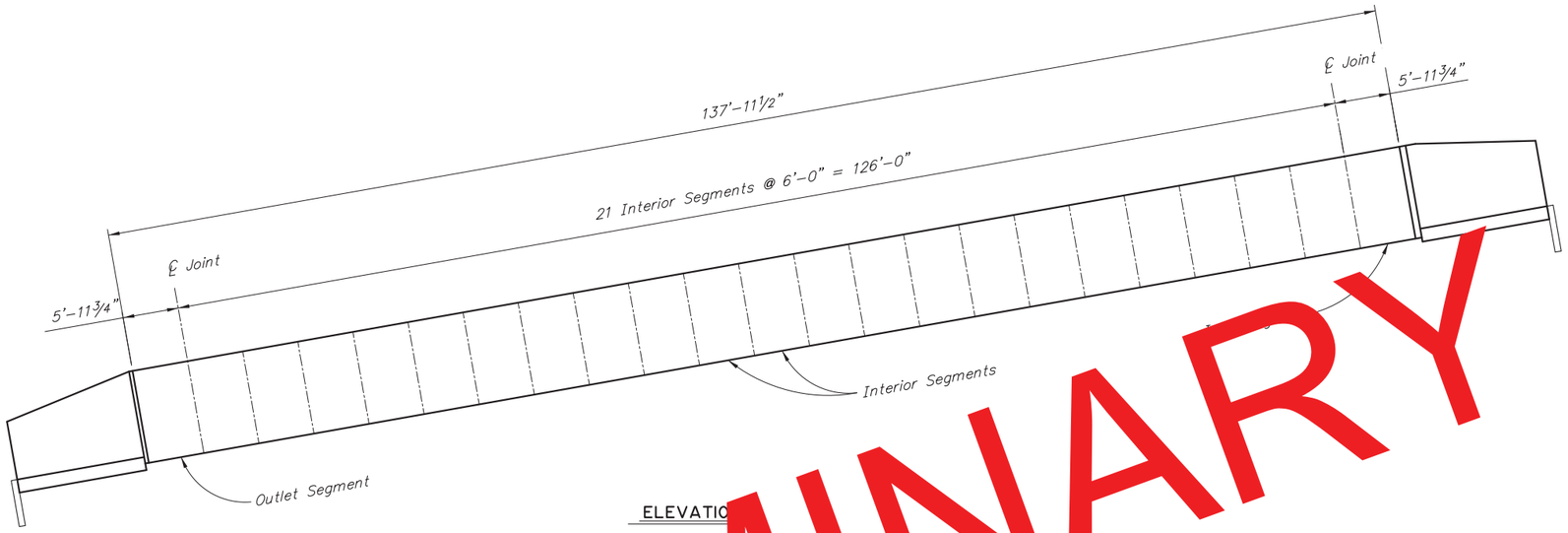


SECTION D–D

DESIGNED BY: HRA	CHECKED: MF	PLANS DEVELOPED BY: R&M CONSULTANTS, INC. 9101 VANGUARD DR ANCHORAGE, AK 99507 (907) 522–1707 CERT. OF AUTH. NO. AECC111		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES BRIDGE SECTION	STATE OF ALASKA 49TH CERTIFIED JUNE 2020 Kate Frutiger No. CE 11889 REGISTERED PROFESSIONAL ENGINEER	ROCKY CREEK BRIDGE SEWARD HIGHWAY RIPRAP LAYOUT	BRIDGE NO. 7207 DWG. NO. 4
DRAWN BY: CP	CHECKED: MF						
QUANTITIES BY: –	CHECKED: –						

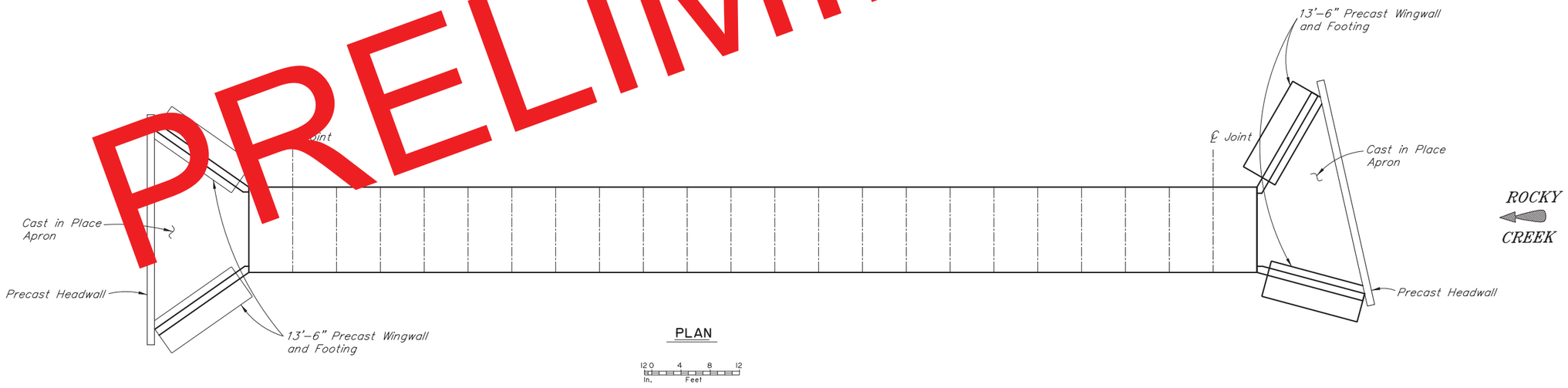
Z:\project\2456.01 DOT_C Seward Hwy MP 17 22 5\Civil\ACAD\2456.01-N sheets-N4 Tue, Jun/16/20 03:18pm

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	N49	N57



ELEVATIO

4 8 2
Feet



PLAN

120 4 8 12
In. Feet

DESIGN BY:	Nick Murray	CHECKED:	Douglas Gelineau
DRAWN BY:	Michael Foster	CHECKED:	Nick Murray
QUANTITIES BY:	Nick Murray	CHECKED:	Douglas Gelineau

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

ROCKY CREEK CULVERT

SEWARD HIGHWAY

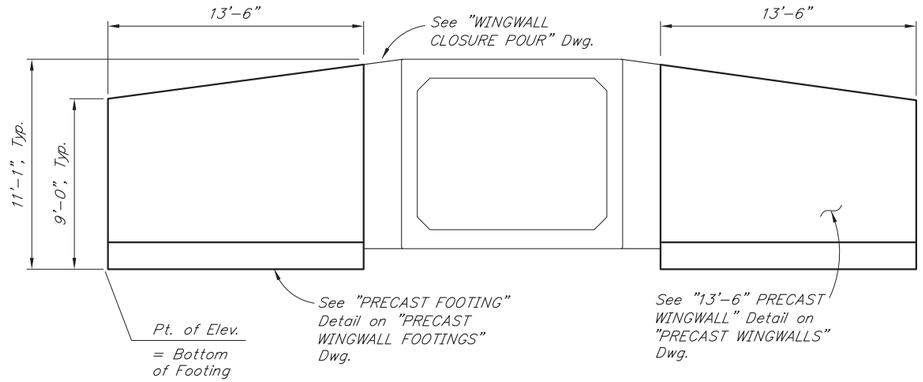
CULVERT LAYOUT

BRIDGE NO. 7207

DWG. NO. 5

R:\cad\7207\7207-CULVERT LAYOUT Mon, Nov/16/20 08:27am

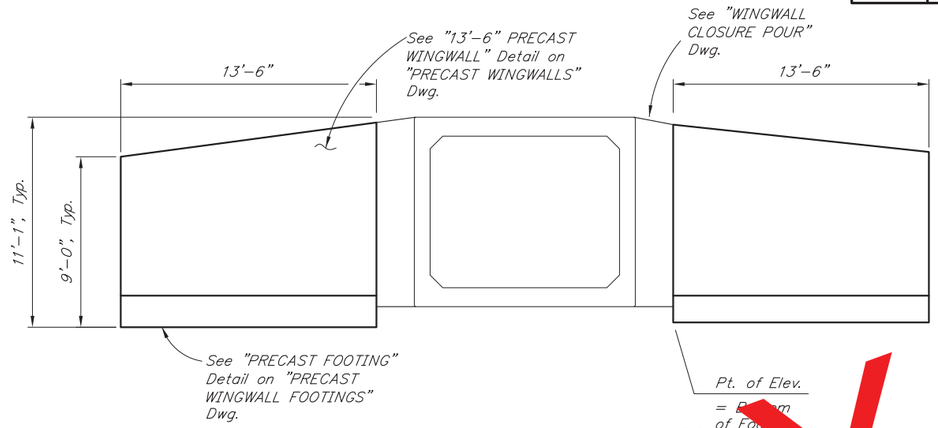
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	N50	N57



DOWNSTREAM ELEVATION

(Looking Upstream)

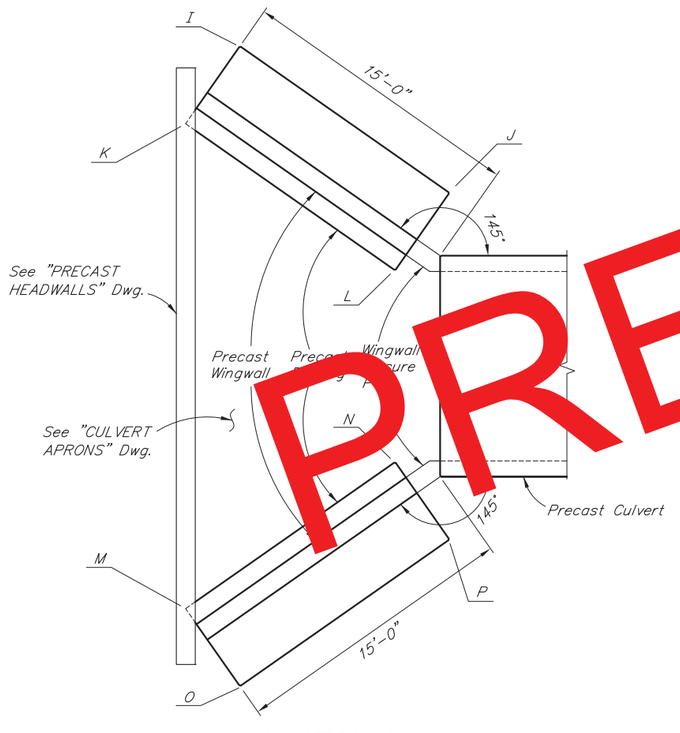
12 0 4 8
In. Feet



UPSTREAM ELEVATION

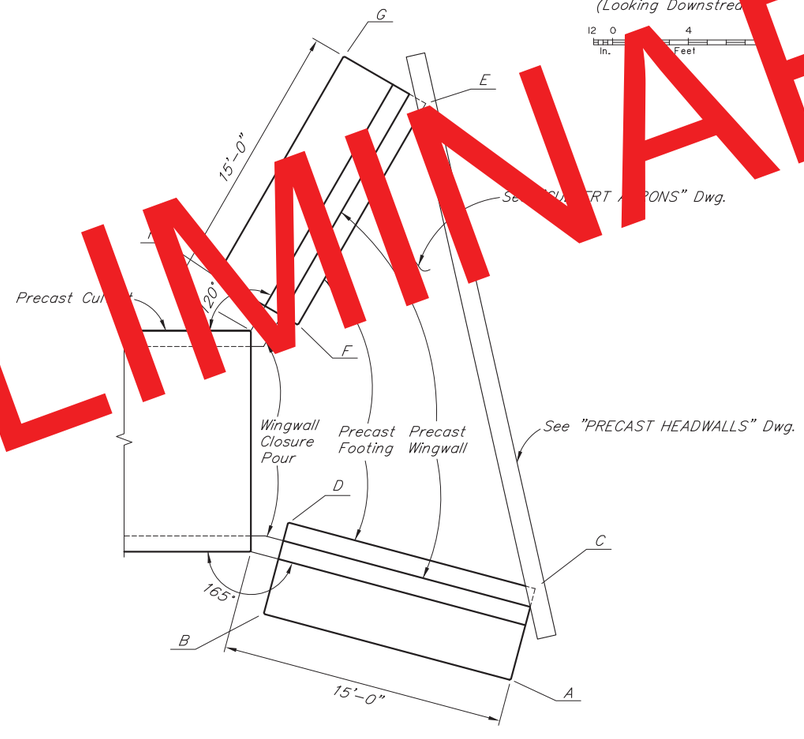
(Looking Downstream)

12 0 4 8
In. Feet



DOWNSTREAM PLAN VIEW

12 0 4 8
In. Feet



UPSTREAM PLAN VIEW

12 0 4 8
In. Feet

WINGWALL FOOTING ELEVATIONS

Location	Pt.	Sta.	Offset	Elev.
US	A	305+88.05	43.92 RT	510.17
	B	305+90.50	30.84 RT	507.90
	C	305+93.13	44.81 RT	510.40
	D	305+95.53	31.72 RT	508.12
	E	306+18.75	36.84 RT	509.40
	F	306+06.19	31.28 RT	508.21
	G	306+20.82	32.33 RT	508.65
	H	306+08.29	26.79 RT	507.46
DS	I	306+03.17	117.81 LT	481.90
	J	305+97.01	106.24 LT	483.82
	K	305+99.19	120.29 LT	481.38
	L	305+93.01	108.73 LT	483.32
	M	305+75.83	118.25 LT	481.38
	N	305+83.65	107.92 LT	483.32
	O	305+72.26	115.11 LT	481.90
	P	305+80.07	104.76 LT	483.82

DESIGN BY: Nick Murray	CHECKED: Douglas Gelineau		
DRAWN BY: Michael Foster	CHECKED: Nick Murray		
QUANTITIES BY: Nick Murray	CHECKED: Douglas Gelineau		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

ROCKY CREEK CULVERT

SEWARD HIGHWAY

WINGWALL LAYOUT

BRIDGE NO. 7207

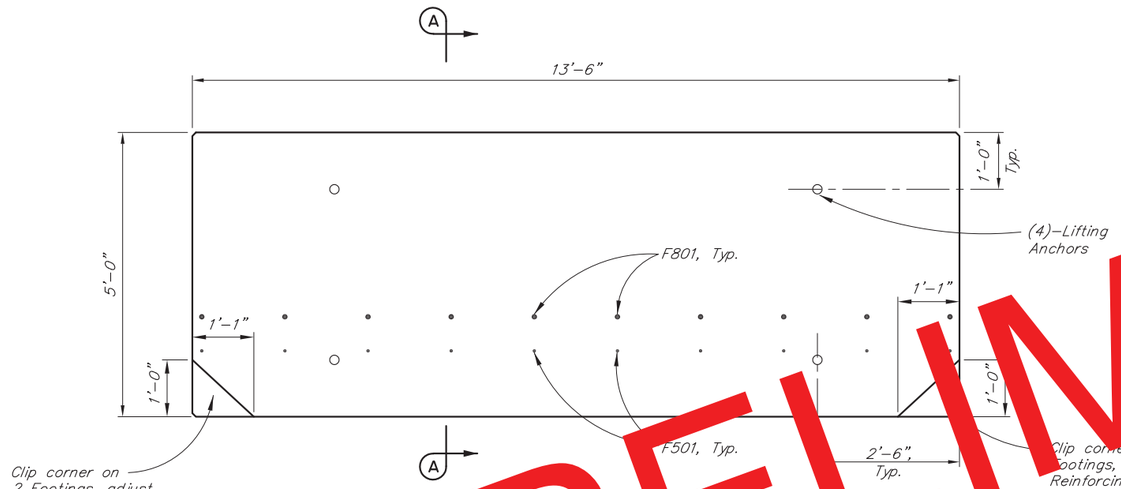
DWG. NO. 6

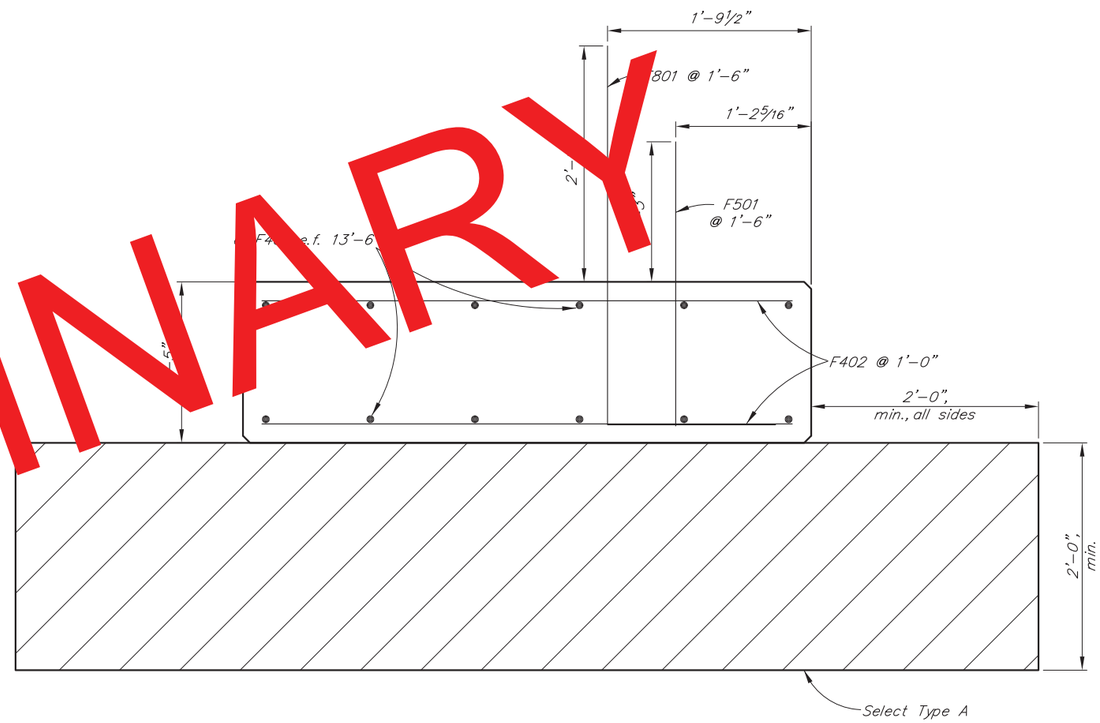
R:\cad\7207\7207-WINGWALLS Mon, Nov/16/20 08:27am

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	N51	N57

REINFORCING STEEL - ONE FOOTING

MARK	NOTE	SIZE	NO.	LENGTH	TYPE
F401	E	4	12	13'-2"	---
F402	E	4	28	4'-8"	---
F501	E	5	10	2'-6"	---
F801	E	8	10	5'-0"	BENT





SECTION A-A

12 6 0 1
In. Feet

DESIGN BY: Nick Murray	CHECKED: Douglas Gelineau	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES BRIDGE SECTION 3132 Channel Drive Juneau, Alaska 99801 907-465-2975	ROCKY CREEK CULVERT SEWARD HIGHWAY PRECAST WINGWALL FOOTINGS
DRAWN BY: Michael Foster	CHECKED: Nick Murray		BRIDGE NO. 7207 DWG. NO. 7
QUANTITIES BY: Nick Murray	CHECKED: Douglas Gelineau		

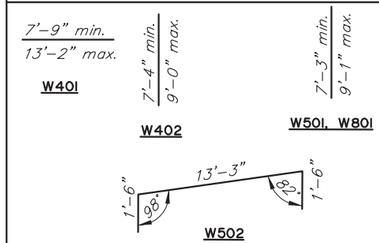
R:\cad\7207\7207-WINGWALL FOOTINGS Mon, Nov/16/20 08:27am

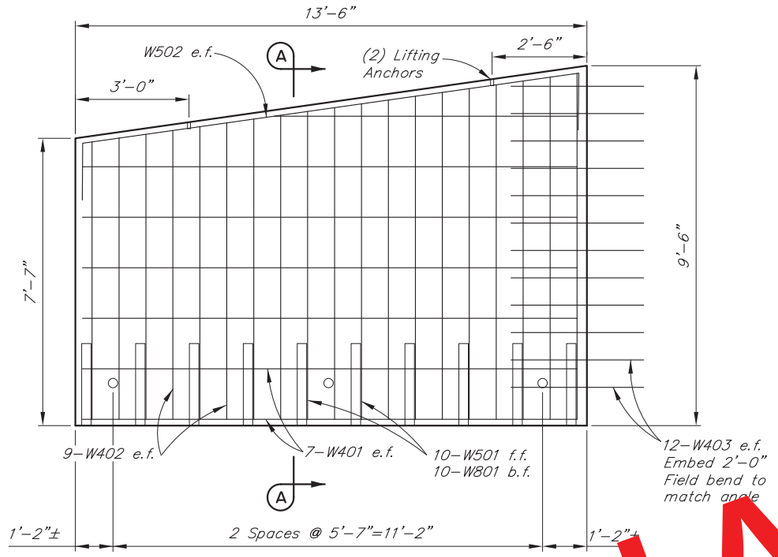
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	N52	N57

REINFORCING STEEL - ONE WINGWALL

MARK	NOTE	SIZE	NO.	LENGTH	TYPE
W401	E	4	14	VARIES	---
W402	E	4	18	VARIES	---
W403	E	4	24	3'-6"	---
W501	E	5	10	VARIES	---
W502	E	5	2	16'-3"	BENT
W801	E	8	10	VARIES	---

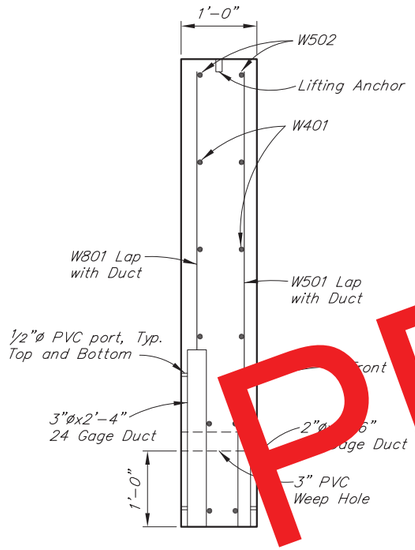
BENDING DIAGRAM





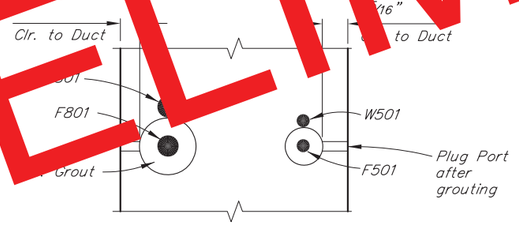
13'-6" PRECAST WINGWALL

12 6 0 1 2 3 4
In. Feet



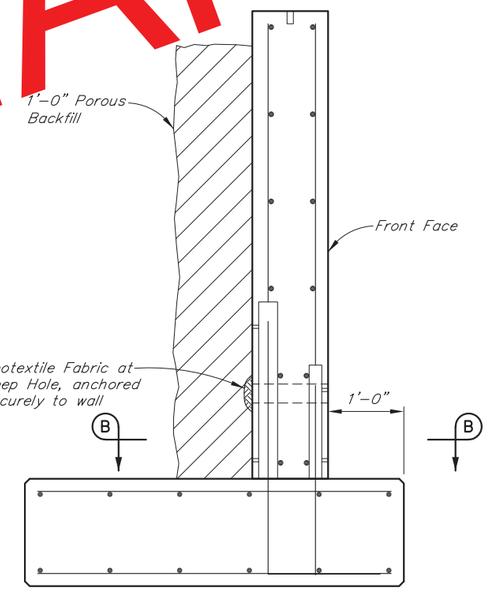
SECTION A-A

12 6 0 1 2
In. Feet



SECTION B-B

6 3 0 1
In. Feet



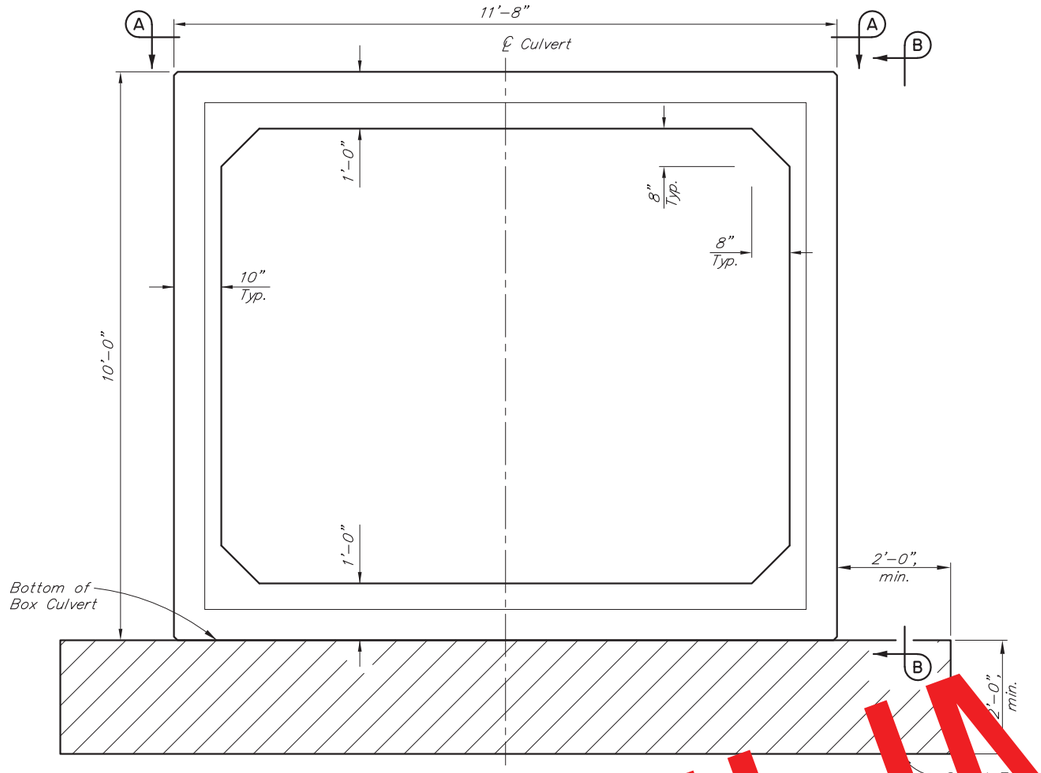
COMPLETED WINGWALL

12 6 0 1 2
In. Feet

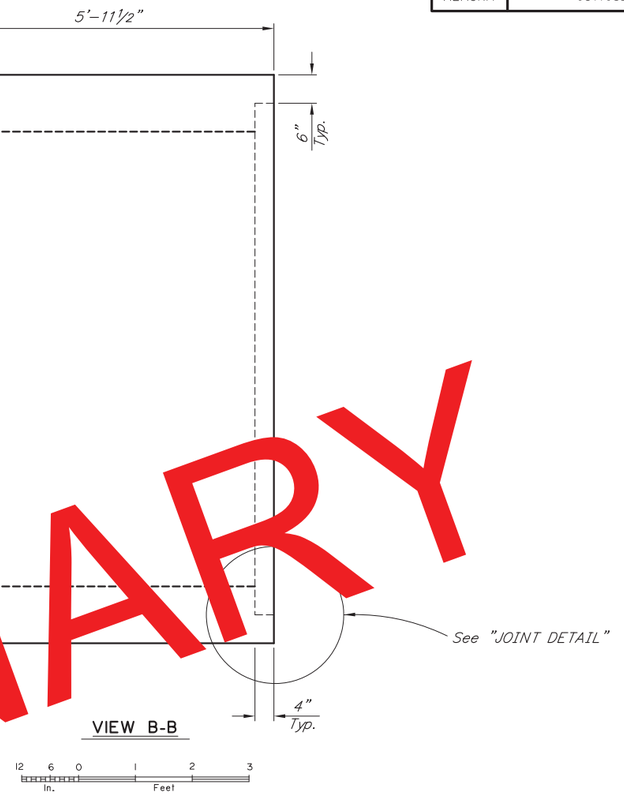
DESIGN BY: Nick Murray	CHECKED: Douglas Gelineau	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES BRIDGE SECTION 3132 Channel Drive Juneau, Alaska 99801 907-465-2975	ROCKY CREEK CULVERT SEWARD HIGHWAY PRECAST WINGWALLS
DRAWN BY: Michael Foster	CHECKED: Nick Murray		BRIDGE NO. 7207 DWG. NO. 8
QUANTITIES BY: Nick Murray	CHECKED: Douglas Gelineau		

R:\cad\7207\7207-WINGWALL DET Mon, Nov/16/20 08:27am

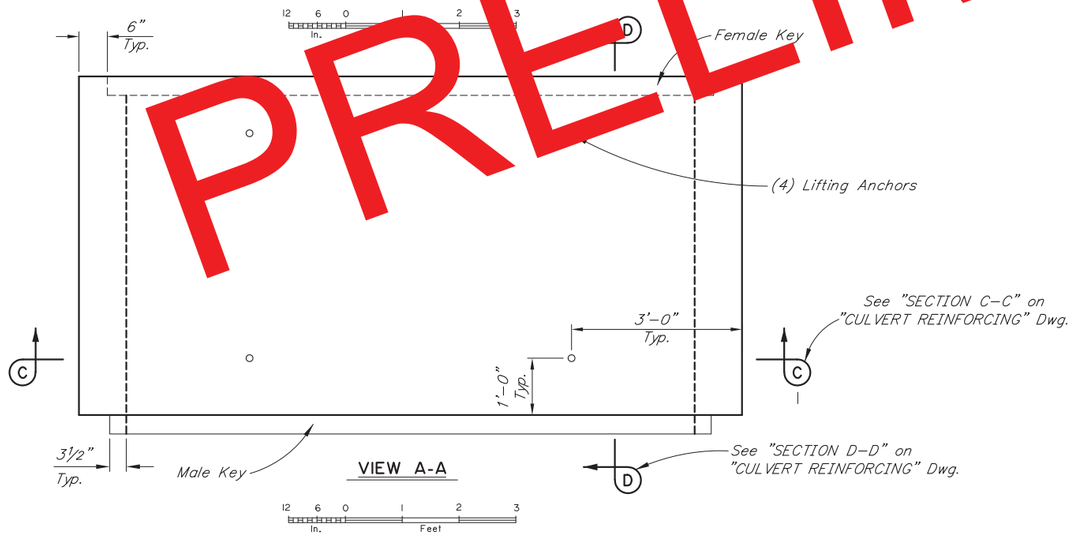
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	N53	N57



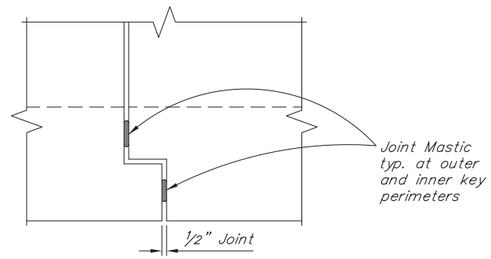
PRECAST BOX END VIEW



VIEW B-B



VIEW A-A



JOINT DETAIL

No Scale

NOTES:

Omit Male Key on Outlet Segment
Omit Female Key on Intlet Segment

DESIGN BY:	Nick Murray	CHECKED:	Douglas Gelineau
DRAWN BY:	Michael Foster	CHECKED:	Nick Murray
QUANTITIES BY:	Nick Murray	CHECKED:	Douglas Gelineau

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907–465–2975

ROCKY CREEK CULVERT

SEWARD HIGHWAY

PRECAST BOX SEGMENTS

BRIDGE NO. 7207

DWG. NO. 9

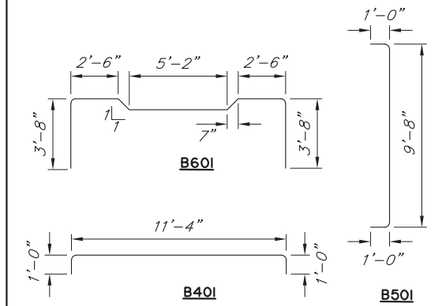
R:\cad\7207\7207-PRECAST BOX JOINTS Mon, Nov/16/20 08:27am

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	N54	N57

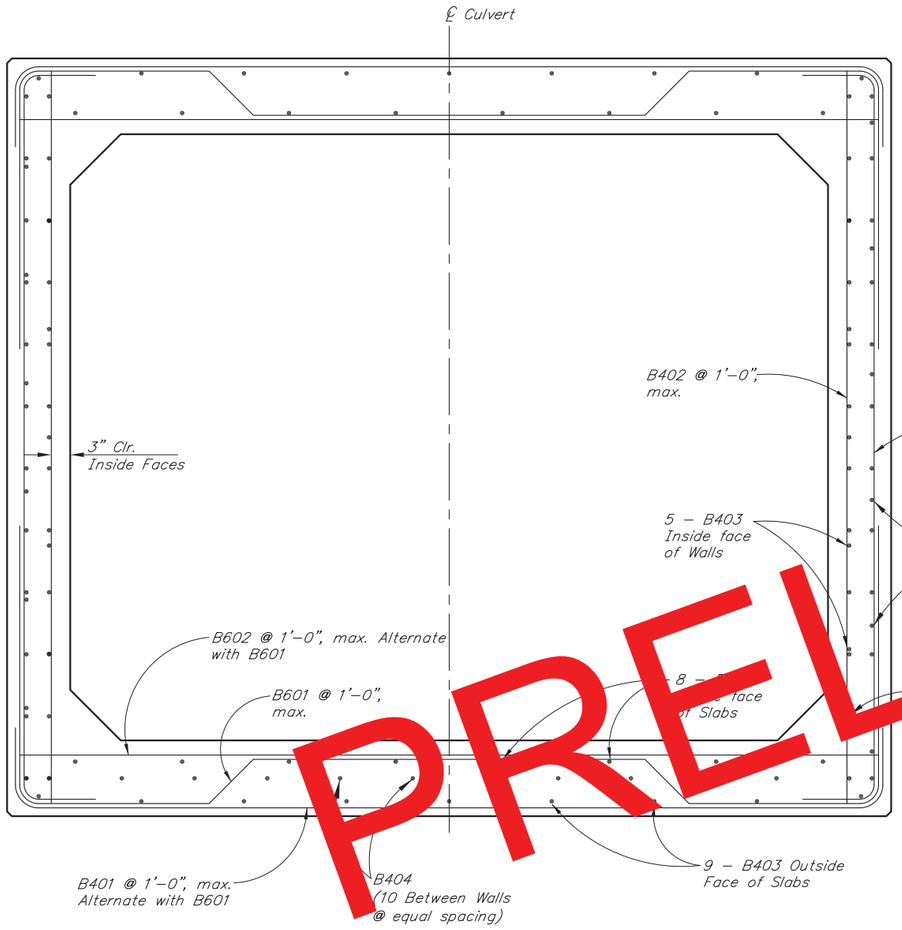
REINFORCING STEEL - ONE SEGMENT

MARK	NOTE	SIZE	NO.	LENGTH	TYPE
B401	E	4	10	13'-4"	BENT
B402	E	4	14	9'-8"	---
B403	E	4	56	5'-8"	---
B404	E,X	4	58	3'-6"	---
B501	E	5	14	11'-8"	BENT
B601	E	6	14	19'-2"	BENT
B602	E	6	12	11'-4"	---

BENDING DIAGRAM

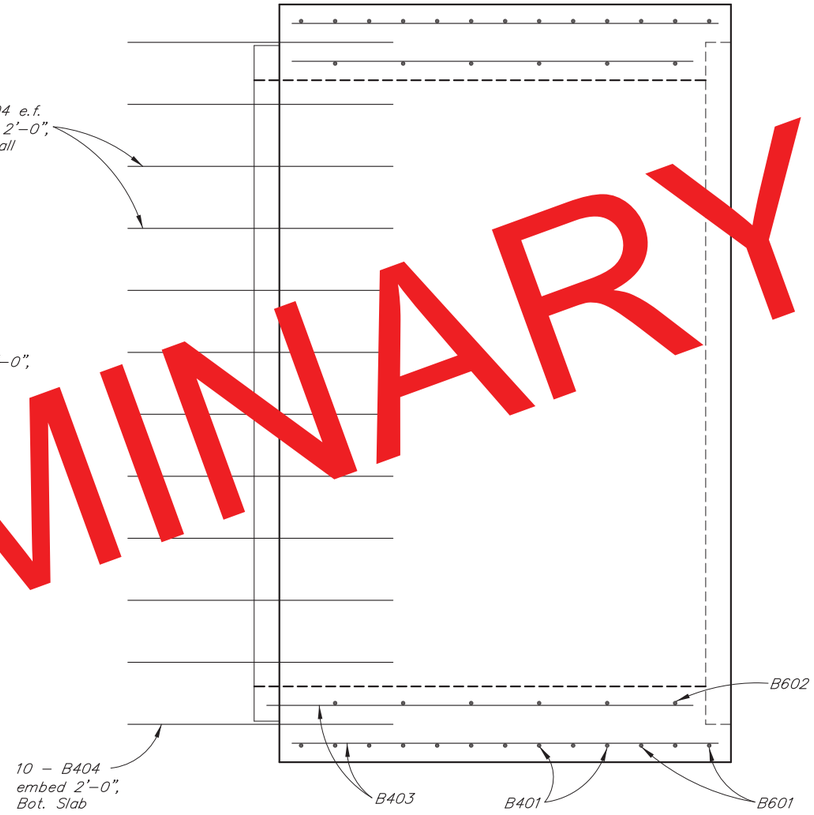


E – Epoxy-Coated Reinforcing Steel
X – Outlet and Inlet Segments only



SECTION C-C

12 6 0 1 2
In. Feet



SECTION D-D

12 6 0 1 2
In. Feet

DESIGN BY: Nick Murray	CHECKED: Douglas Gelineau		
DRAWN BY: Michael Foster	CHECKED: Nick Murray		
QUANTITIES BY: Nick Murray	CHECKED: Douglas Gelineau		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

ROCKY CREEK CULVERT

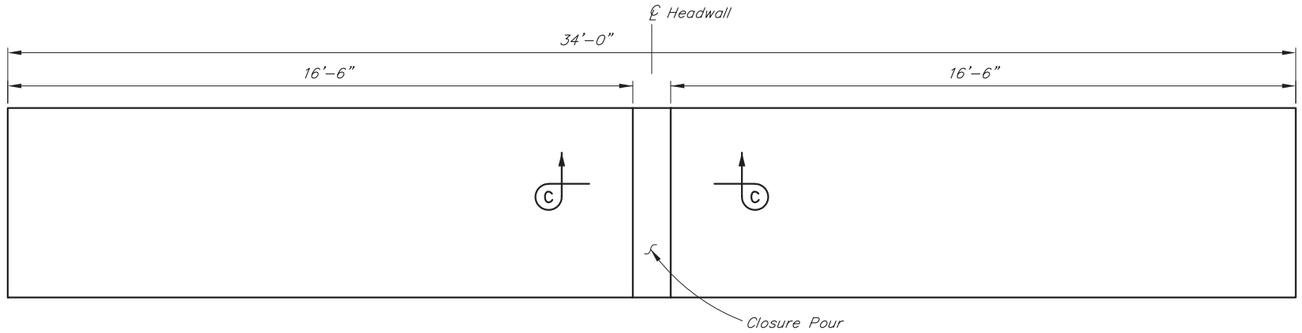
SEWARD HIGHWAY

CULVERT REINFORCING

BRIDGE NO. 7207
DWG. NO. 10

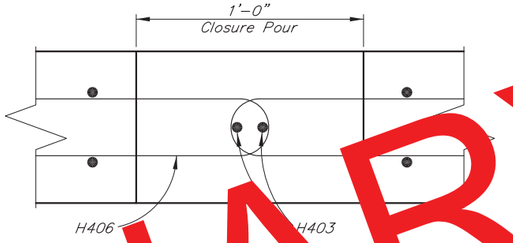
R:\cad\7207\7207-REBAR Mon, Nov/16/20 08:27am

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	N55	N57



HEADWALL ELEVATION

12 6 0 1 2 3 4
In. Feet



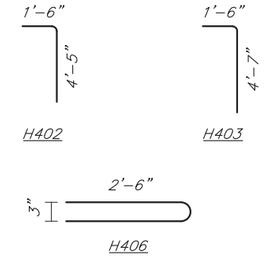
SECTION C-C

3 0
In. Feet

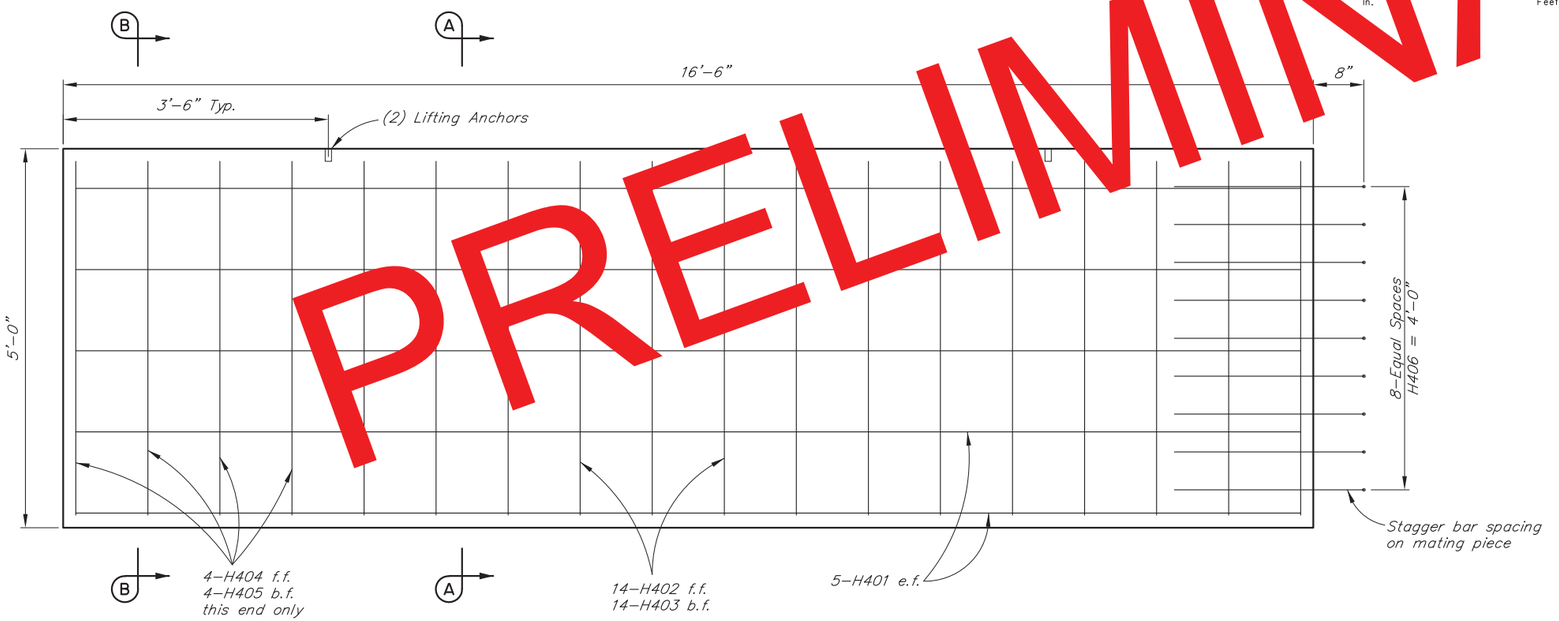
REINFORCING STEEL - ONE HEADWALL SEGMENT

MARK	NOTE	SIZE	NO.	LENGTH	TYPE
H401	E	4	10	16'-2"	---
H402	E	4	14	5'-10"	BENT
H403	E,L	4	16	6'-1"	BENT
H404	E	4	4	4'-5"	---
H405	E	4	4	4'-7"	---
H406	E	4	9	5'-2"	BENT

BENDING DIAGRAM

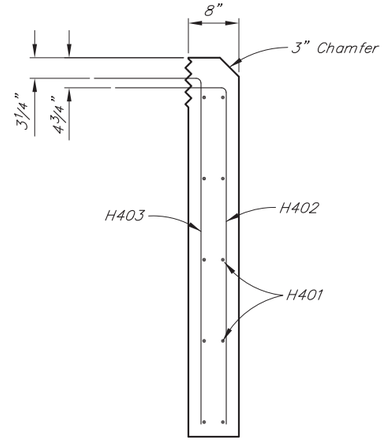


E – Epoxy-Coated
L – Ship 2 loose for closure pour



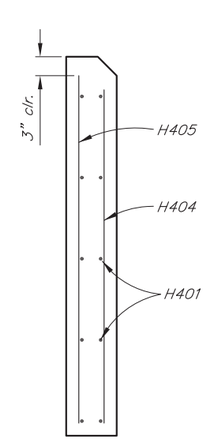
PRECAST HEADWALL SEGMENT

12 6 0 1 2
In. Feet



SECTION A-A

12 6 0 1 2
In. Feet



SECTION B-B

12 6 0 1 2
In. Feet

DESIGN BY: Nick Murray	CHECKED: Douglas Gelineau		
DRAWN BY: Michael Foster	CHECKED: Nick Murray		
QUANTITIES BY: Nick Murray	CHECKED: Douglas Gelineau		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

ROCKY CREEK CULVERT

SEWARD HIGHWAY

PRECAST HEADWALLS

BRIDGE NO. 7207
DWG. NO. 11

R:\cad\7207\7207-HEADWALLS Mon, Nov/16/20 08:28am

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	N56	N57

REINFORCING STEEL - CLOSURE POURS

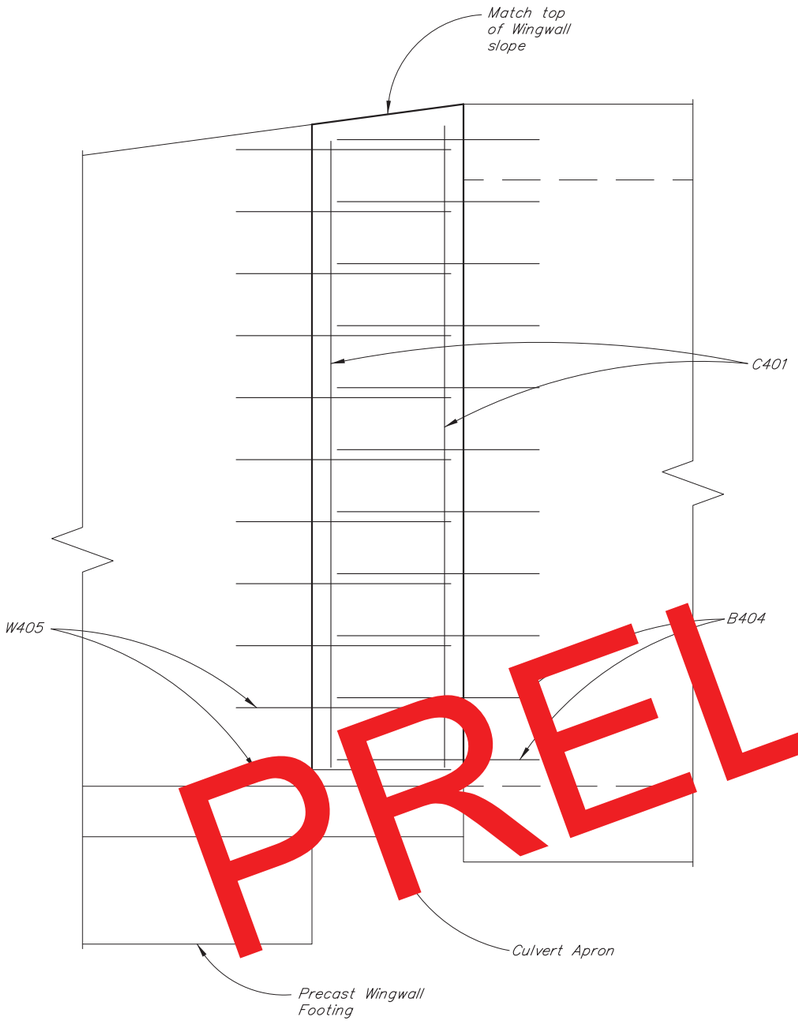
MARK	NOTE	SIZE	NO.	LENGTH	TYPE
C401	E	4	16	VARIES	---

BENDING DIAGRAM

8'-4" min.
8'-8" max.

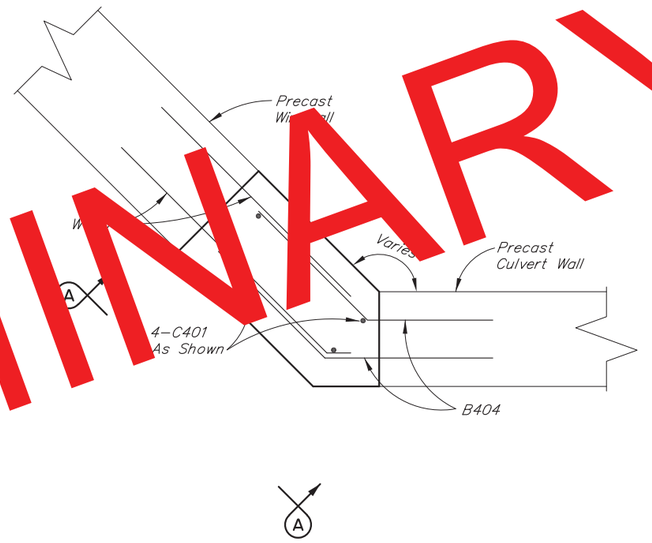
C401

E – Epoxy-Coated



VIEW A-A

12 6 0 1
In. Feet



WINGWALL CLOSURE POUR

12 6 0 1 2
In. Feet

DESIGN BY: Nick Murray	CHECKED: Douglas Gelineau		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES BRIDGE SECTION 3132 Channel Drive Juneau, Alaska 99801 907-465-2975		ROCKY CREEK CULVERT SEWARD HIGHWAY WINGWALL CLOSURE POUR
DRAWN BY: Michael Foster	CHECKED: Nick Murray				BRIDGE NO. 7207 DWG. NO. 12
QUANTITIES BY: Nick Murray	CHECKED: Douglas Gelineau				

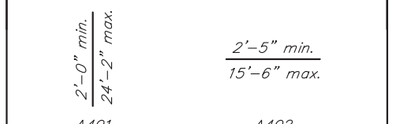
R:\cad\7207\7207-WINGWALL POUR Mon, Nov/16/20 08:28am

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0311032/Z536100000	2021	N57	N57

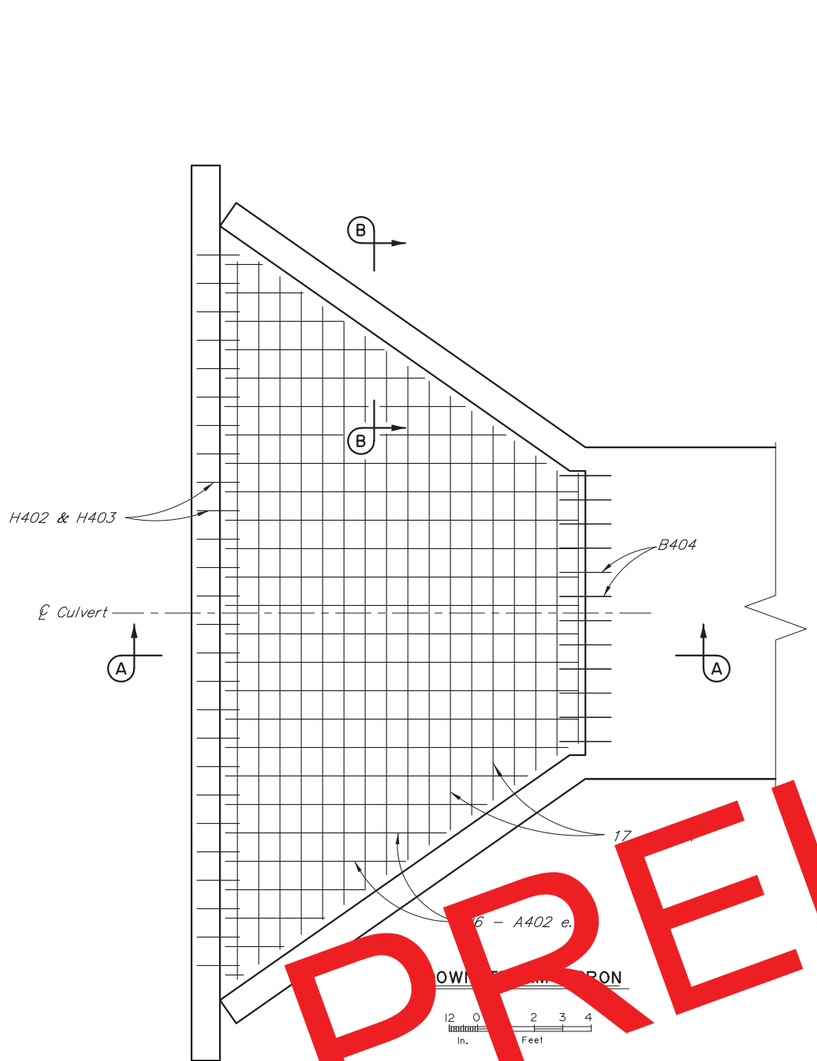
REINFORCING STEEL - CULVERT APRONS

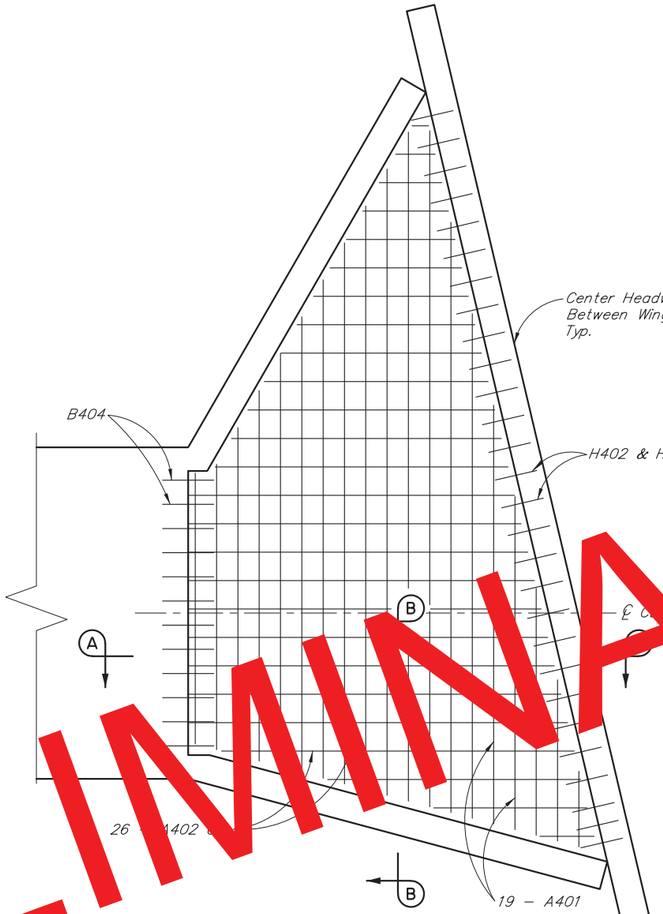
MARK	NOTE	SIZE	NO.	LENGTH	TYPE
A401	E	4	36	VARIES	---
A402	E	4	104	VARIES	---

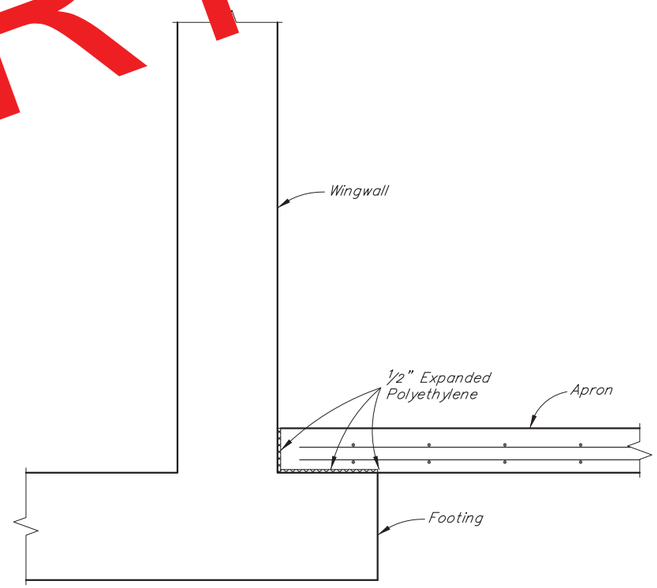
BENDING DIAGRAM



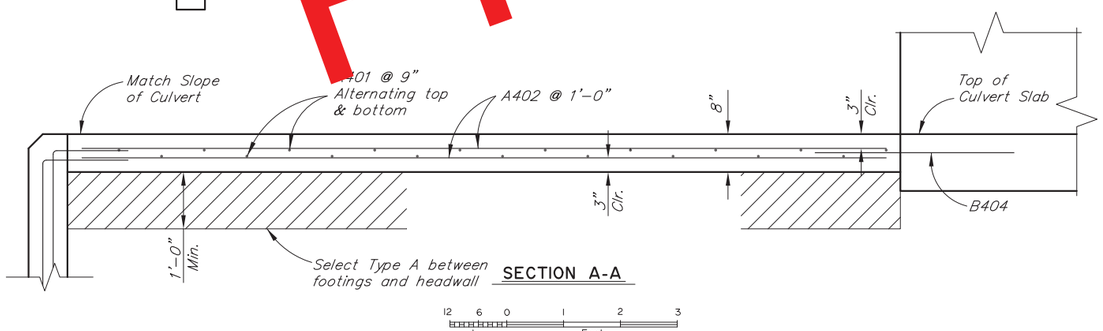
E – Epoxy-Coated







SECTION B-B



SECTION A-A

UPSTREAM APRON

DESIGN BY: Nick Murray	CHECKED: Douglas Gelineau		
DRAWN BY: Michael Foster	CHECKED: Nick Murray		
QUANTITIES BY: Nick Murray	CHECKED: Douglas Gelineau		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

ROCKY CREEK CULVERT

SEWARD HIGHWAY

CULVERT APRONS

BRIDGE NO. 7207

DWG. NO. 13

R:\cad\7207\7207-APRONS Mon, Nov/16/20 08:28am

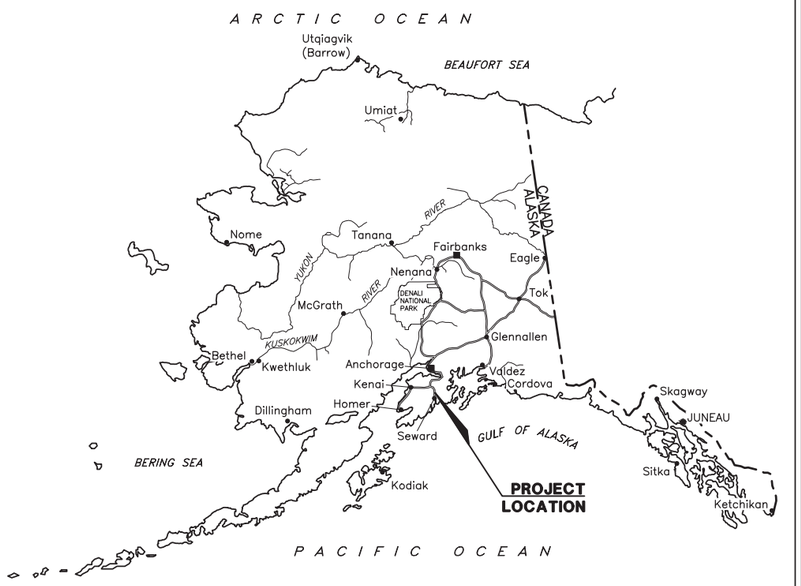
PROJECT DESIGNATION	SHEET NUMBER	TOTAL SHEETS
311032/Z536100000	R1	R23

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

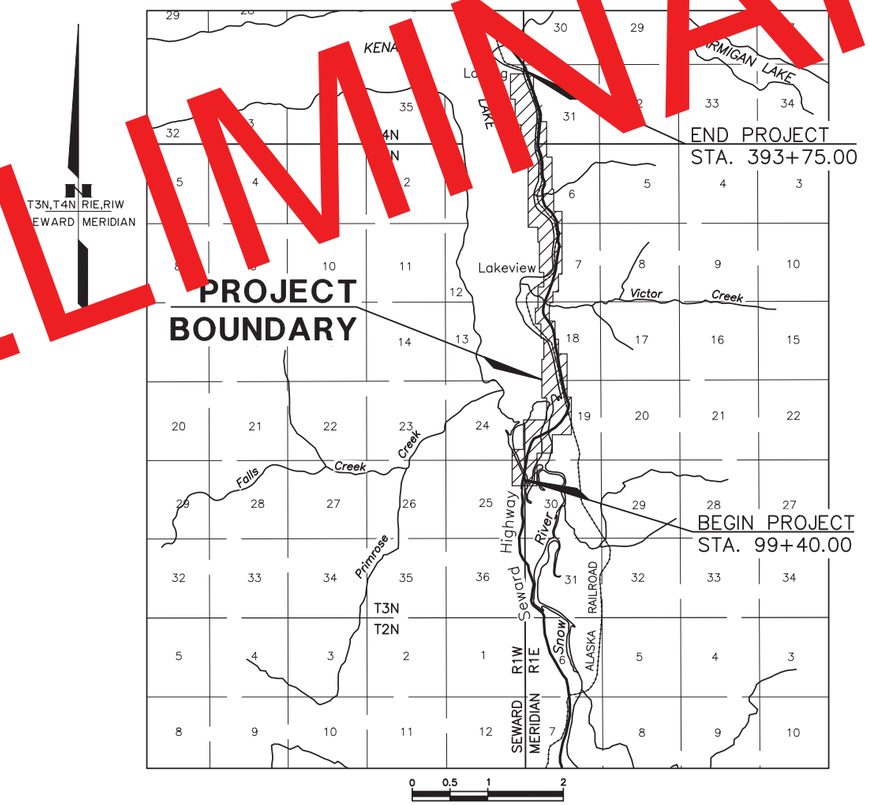
RIGHT - OF - WAY ACQUISITION PLAT

ALASKA PROJECT

SEWARD HIGHWAY
MP 17 - 22.5 REHABILITATION
311032/Z536100000



ALASKA STATE MAP



SITE MAP

U.S.G.S. QUADRANGLE SEWARD B-7, ALASKA, 1994
1 INCH = 1 MILE

ACQUISITION DATES: 2015 - 2017
CONSTRUCTION DATES: 2018

PROJECT LENGTH 5.57 MILES

PLAT APPROVAL
THIS PLAT WAS APPROVED BY THE KENAI PENINSULA BOROUGH PLANNING COMMISSION IN ACCORDANCE WITH KPB 20.10.070 AT THE MEETING OF

DATE

BOROUGH OFFICIAL

FOR SURVEY AND EXISTING RIGHT-OF-WAY INFORMATION SEE THE RECORD OF SURVEY RIGHT-OF-WAY BASE MAP, PLAT 2013-2 SEWARD RECORDING DISTRICT.

DEPARTMENT LOCATIONS SURVEYOR'S CERTIFICATE
I HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF ALASKA AND THAT ALL RIGHT-OF-WAY CENTERLINE MONUMENT LOCATIONS HAVE BEEN ESTABLISHED AS INDICATED ON THE RIGHT-OF-WAY PLANS, ALL EXISTING FOUND SUBDIVISION MONUMENTS, PROPERTY CORNERS AND SECTION LINE MONUMENTATION AS INDICATED ON THE RIGHT-OF-WAY PLANS HAVE BEEN REFERENCED TO PROJECT SURVEY CONTROLS BY ME OR UNDER MY SUPERVISION.

DATE REGISTRATION NUMBER

ROBERT M. KEINER
AKDOT&PF
4111 AVIATION AVENUE
ANCHORAGE AK 99502
PHONE: (907) 269-0700

STATE OF ALASKA 49TH ROBERT M. KEINER NO. L.S.-11547 REGISTERED PROFESSIONAL LAND SURVEYOR

DEPARTMENT LOCATIONS SURVEYOR'S CERTIFICATE

DEPARTMENT RIGHT-OF-WAY SURVEYOR'S CERTIFICATE
I HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF ALASKA AND THAT THIS PLAT WAS MADE BY ME OR UNDER MY SUPERVISION. THIS PLAT WAS BASED UPON THE MONUMENTS RECOVERED DURING THE DEPARTMENT'S LOCATIONS SURVEY FOR THIS PROJECT.

DATE REGISTRATION NUMBER

P. LOUISE HOOVER

AKDOT&PF
4111 AVIATION AVENUE
ANCHORAGE AK 99502
PHONE: (907) 269-0700

STATE OF ALASKA 49TH P. LOUISE HOOVER NO. L.S.-6109 REGISTERED PROFESSIONAL LAND SURVEYOR

DEPARTMENT RIGHT-OF-WAY SURVEYOR'S CERTIFICATE

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

APPROVED_____, 20____
Date

REGIONAL CHIEF RIGHT-OF-WAY AGENT

WITHIN A PORTION OF SECTIONS:

6, 7, 18, 19, 30	T3N, R1E	S.M.
25	T3N, R1W	S.M.
31	T4N, R1E	S.M.

SEWARD MERIDIAN (S.M.)

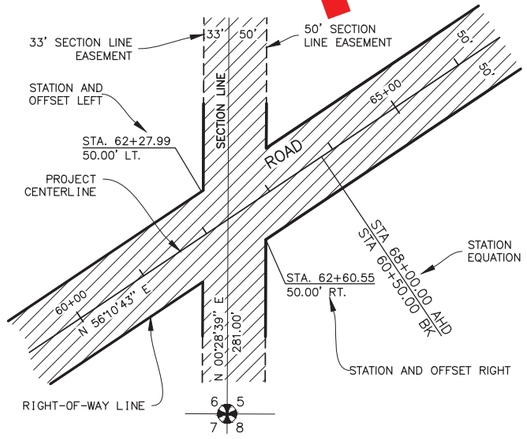
STATE BUSINESS-NO FEE

W:\Projects\Highways\SEWARD_HIGHWAY\53610 Seward Hwy MP 17-22.5 Rehab\AutoCAD\53610-R1-COVER 12/3/2020 11:43:37 AM

RIGHT OF WAY

	RECOVERED	SET THIS PROJECT
FEDERAL GOVT SECTION CORNER	6 5 / 7 8 SEC COR	
FEDERAL GOVT 1/4 SECTION CORNER	5 / 6 1/4 COR	
FEDERAL GOVT 1/16 SECTION CORNER	1/16 COR	
FEDERAL GOVT SURVEY MONUMENT		
GOV'T CONTROL STATION		
PRIMARY MONUMENT (BRASS/AL CAP)		
MISC SECONDARY CORNER		
PRIMARY CENTERLINE MONUMENT		
SECONDARY CENTERLINE MONUMENT		
RANDOM CONTROL MONUMENT	RCM	
TOWNSHIP AND RANGE LINES	T13N / T12N, R3W | R2W	
SECTION LINE		
1/4 SECTION LINE		
1/16 SECTION LINE		
CORPORATE or CITY LIMITS		
EXISTING RIGHT-OF-WAY		
RIGHT-OF-WAY OR EASEMENT REQUIRED		
PROJECT RIGHT-OF-WAY LINE		
EXISTING RIGHT-OF-WAY EASEMENT		
EXISTING PROPERTY LINE		
CONTROLLED ACCESS LINE	C/A	
EXISTING UTILITY EASEMENT		
PROPOSED UTILITY EASEMENT		
EXISTING CENTERLINE		
PROJECT CENTERLINE	27+00	
RAILROAD CENTERLINE		

SECTION LINE EASEMENT AND SECTION LINE / CENTERLINE INTERSECTION



RIGHT OF WAY

GOVERNMENT PROPERTY LINE	
ALASKA RAILROAD PLAT LINE	
RIGHT OF WAY PARCEL TAKE	
HIGHWAY CORRIDOR	
ACQUIRED UTILITY EASEMENT	

UTILITIES

STORM DRAIN MANHOLE	
CURB INLET CATCH BASIN	
FIELD INLET CATCH BASIN	FI
CULVERT	
CLEANOUT	CO
SANITARY SEWER MANHOLE	SS
SEPTIC	
FIRE HYDRANT	
WELL	
VALVE OR RISER	
UTILITY POLE	
UTILITY POLE WITH LUMINAIRE	
GUY POLE	
GUY WIRE ANCHO	
NSMISSION TOW (WOOD)	
TRANSMISSION TOWER STEEL)	
RICAL PEDESTAL	E
CTRICAL TRANSFORMER	E
METER	
ELECTRICAL OUTLET	
ELECTRIC MANHOLE	E
TELEPHONE PEDESTAL	T
TELEPHONE MANHOLE	T
FIBER OPTIC MANHOLE	FO
CABLE TV PEDESTAL	V
SATELLITE DISH	
JUNCTION BOX(S)	TYPE: 1A II III IV
TRAFFIC CONTROLLER	
ELECTROLIER	
HIGHTOWER	
SIGNAL POLE WITH MAST	

TOPOGRAPHY

CONIFER TREE	
DECIDUOUS TREE	
SHRUB	
VEGETATION BOUNDARY	
WETLANDS	
CREEK	
RIVER	
LAKE / POND	LAKE POND
DRAINAGE FLOW	
INTERCEPTOR DITCH	
MARSH	
CHANNEL CHANGE	

MISCELLANEOUS

BU	
TAN ABOV OU	
UNDERGROU	U
UEL VE	
GAS PUMP	GP
MAILBOX	MB
PRIVATE SIGN	
TRAFFIC SIGN	
POST / BOLLARDS	
LANDSCAPE LIGHT	
BOULDER OR BOULDERS	
PLANTER	P
2x4 POST	
ALASKA RAILROAD	ARR
TANGENT TO SPIRAL (POINT)	TS
SPIRAL TO CURVE (POINT)	SC
CURVE TO SPIRAL (POINT)	CS
SPIRAL TO TANGENT (POINT)	ST
LENGTH OF SPIRAL	LS
WITNESS DISTANCE	W.D.
WOOD POST (NAIL IN POST)	

PROJECT DESIGNATION	SHEET NUMBER	TOTAL SHEETS
311032/Z536100000	R2	R23

ROADWAY

OBLITERATED ROADWAY	
LIMIT OF CUT SLOPE	
LIMIT OF FILL SLOPE	
EDGE OF PAVEMENT	
EDGE OF GRAVEL	
EDGE OF CONCRETE	
CONCRETE CURB	
CONC TE CURB & GUTTER	
CO RETE CURB CUT	
CTABLE WARNING TILES	
GU RAIL	
DRIV Y APPROACH	
BRIDGE	
TUNNEL	
NOISE BARRIER	X X X X
FENCE	X X X X
RETAINING WALL	
RIPRAP	
HIGHWAY MILEPOST	45 / 15+25.00
RAILROAD MILEPOST	R.R. 2580+60 / HWY. 126+33 — 842

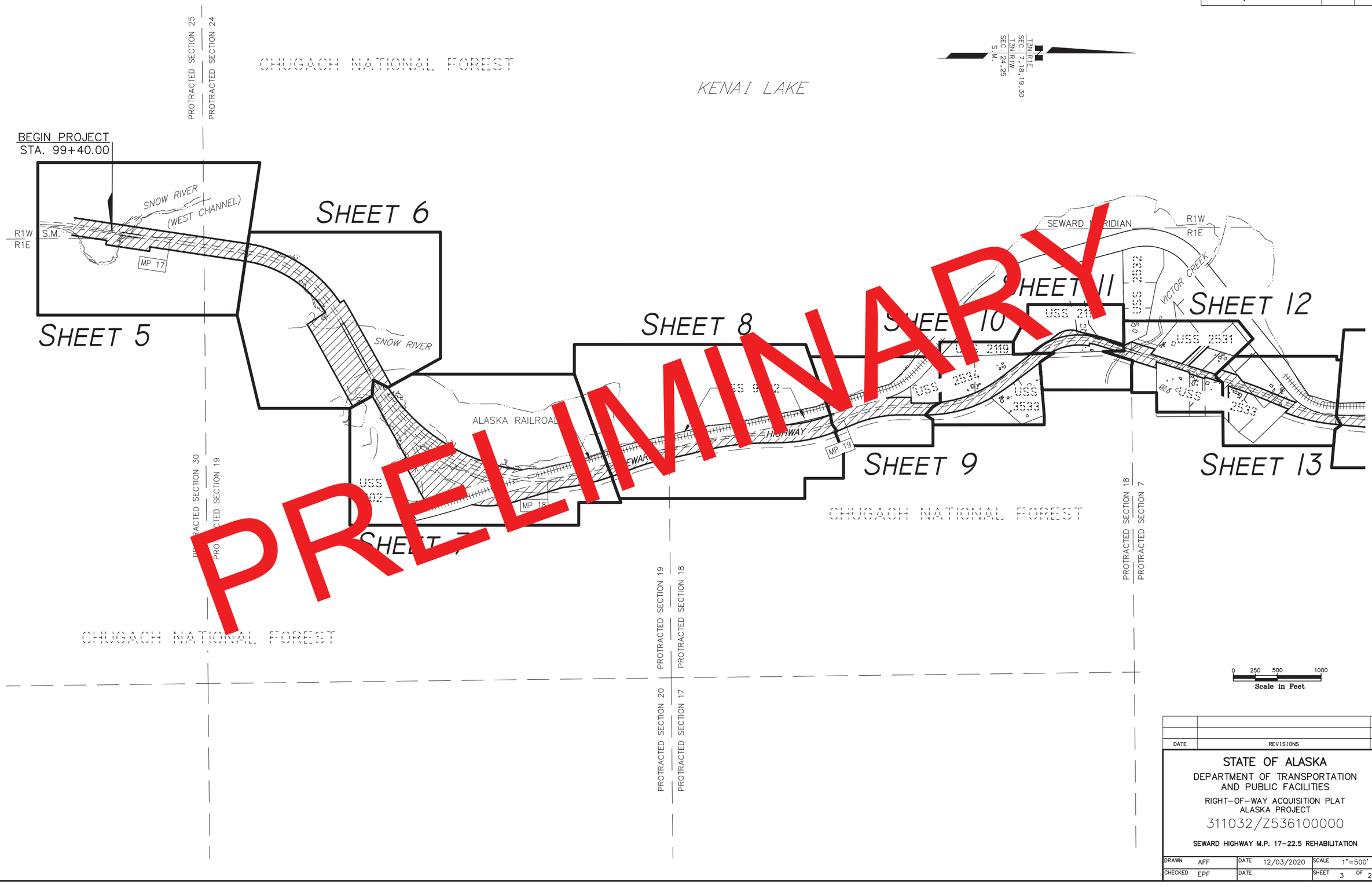
DATE	REVISIONS	BY

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
RIGHT-OF-WAY ACQUISITION PLAT
ALASKA PROJECT
311032/Z536100000
SEWARD HIGHWAY M.P. 17-22.5 REHABILITATION

DRAWN AFF	DATE 12/03/2020	SCALE Z	
CHECKED EPF	DATE	SHEET 2	OF 23

W:\Projects\Highways\SEWARD_HIGHWAY\53610 Seward Hwy MP 17-22.5 Rehab\AutoCAD\53610-R2-LEGEND 12/3/2020 11:43:52 AM

PROJECT DESIGNATION	SHEET NUMBER	TOTAL SHEETS
311032/Z536100000	R3	R23



0 250 500 1000
Scale in Feet

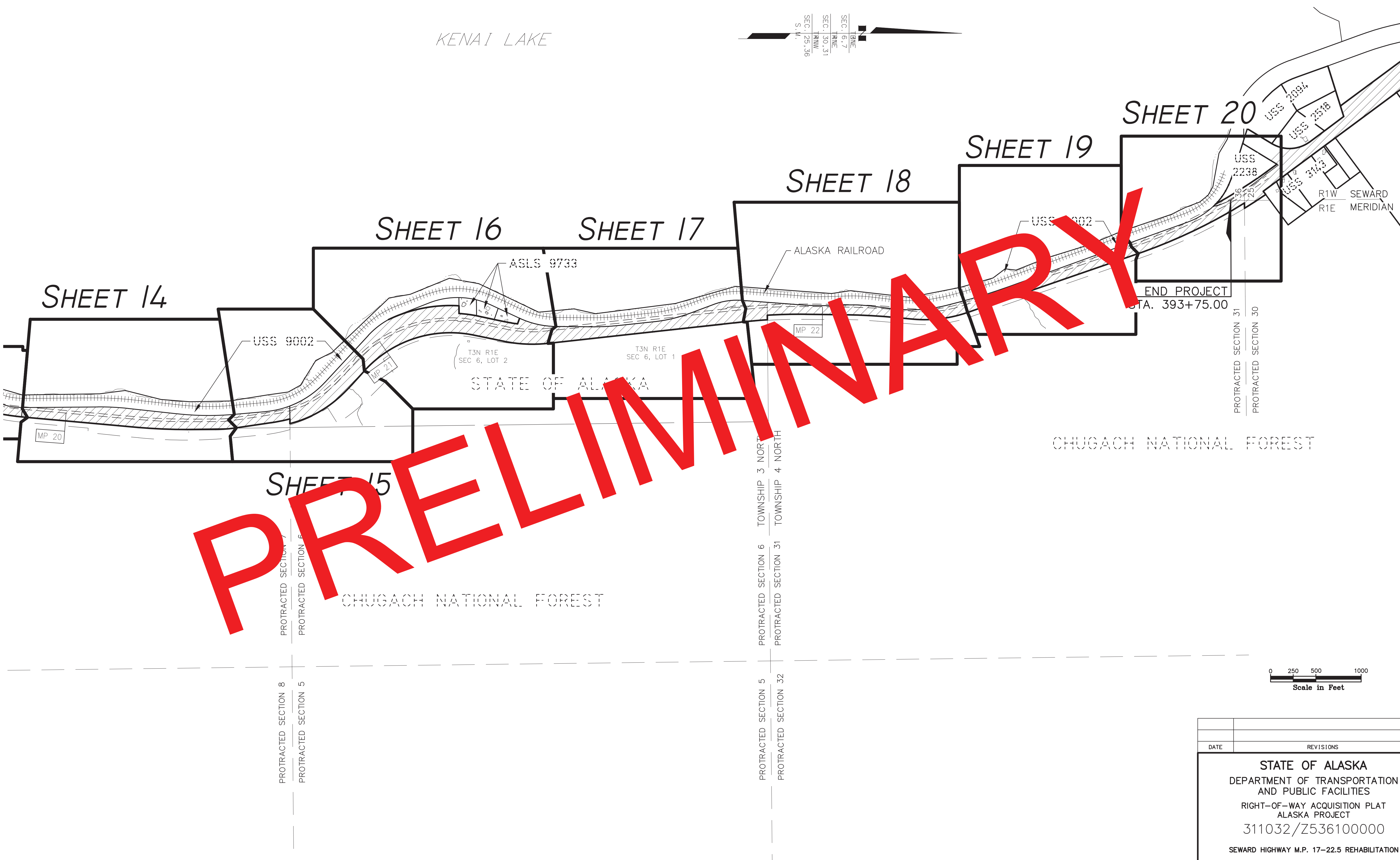
DATE	REVISIONS	BY

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
RIGHT-OF-WAY ACQUISITION PLAT
ALASKA PROJECT
311032/Z536100000
SEWARD HIGHWAY M.P. 17-22.5 REHABILITATION

DRAWN AFF	DATE 12/03/2020	SCALE 1"=500'	
CHECKED EPF	DATE	SHEET 3	OF 23

W:\Projects\Highways\SEWARD_HIGHWAY\53610 Seward Hwy MP 17-22.5 Rehab\AutoCAD\53610-R3-4-TRACT 12/3/2020 11:44:06 AM

PROJECT DESIGNATION	SHEET NUMBER	TOTAL SHEETS
311032/Z536100000	R4	R23

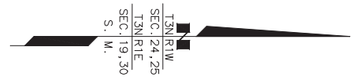


DATE	REVISIONS	BY

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
RIGHT-OF-WAY ACQUISITION PLAT
ALASKA PROJECT
311032/Z536100000
SEWARD HIGHWAY M.P. 17-22.5 REHABILITATION

DRAWN	AFF	DATE	12/03/2020	SCALE	1"=500'
CHECKED	EPF	DATE		SHEET	4 OF 23

PROJECT DESIGNATION	SHEET NUMBER	TOTAL SHEETS
311032/Z536100000	R5	R23



PRELIMINARY

0 50 100 200
Scale in Feet

DATE	REVISIONS	BY

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
RIGHT-OF-WAY ACQUISITION PLAT
ALASKA PROJECT
311032/Z536100000
SEWARD HIGHWAY M.P. 17-22.5 REHABILITATION

DRAWN AFF	DATE 12/03/2020	SCALE 1"=100'	
CHECKED EPF	DATE	SHEET 5	OF 23

W:\Projects\Highways\SEWARD_HIGHWAY\53610 Seward Hwy MP 17-22.5 Rehab\AutoCAD\53610-Seward Hwy 17-22.5 Acq Plat 12/3/2020 11:44:33 AM

PROJECT DESIGNATION	SHEET NUMBER	TOTAL SHEETS
311032/Z536100000	R6	R23

T3N, R1W SECTION 24 SEWARD MERIDIAN
T3N, R1E SECTION 19

SHEET 5 MATCH LINE

STA. 114+89.12
100.00' LT.

115+00

STA. 114+89.12
100.00' RT.

PC STA. 114+89.12

120+00

L=1287.02'
R=1532.39'

L=315.83'
R=1432.39'

L=119.05'
R=1332.39'

1/16 LINE

1/4 LINE

CHUGACH NATIONAL FOREST

SEWARD HIGHWAY

125+00

STA. 126+92.16
100.00' LT.

N 33°23'59" W
50.00'

STA. 126+92.16
150.00' LT.

L=124.61'
R=1582.39'

PROJECT ℄ CURVE DATA
DELTA = 52°38'01"
RADIUS = 1432.39'
TANGENT = 708.45'
ARC LENGTH = 1315.83'

STA. 126+92.16
100.00' RT.

PROJECT CENTERLINE

STA. 126+92.16
350.00' RT.

N 33°23'59" W 250.00'

PT STA. 128+04.

L=124.24'
R=1582.39'

STA. 126+92.16
350.00' RT.

130+00

SNOW RIVER

1/16 LINE

SNOW RIVER BRIDGE

N 61°06'44" E 987.20'

N 61°06'44" E 832.07'

135+00

N 61°06'44" E 987.20'

SNOW RIVER

CHUGACH NATIONAL FOREST

SLOPE LIMITS

PC STA. 136+37.03

S 28°53'16" E
44.27'

STA. 138+03.17
144.15' LT.

STA. 137+99.68
100.00' LT.

LINE

STA. 137+85.20
105.22' RT.

STA. 137+70.73
354.71' RT.

N 28°53'16" W 250.00'

MATCH SHEET 7

PRELIMINARY

0 50 100 200
Scale in Feet

DATE	REVISIONS	BY

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
RIGHT-OF-WAY ACQUISITION PLAT
ALASKA PROJECT
311032/Z536100000

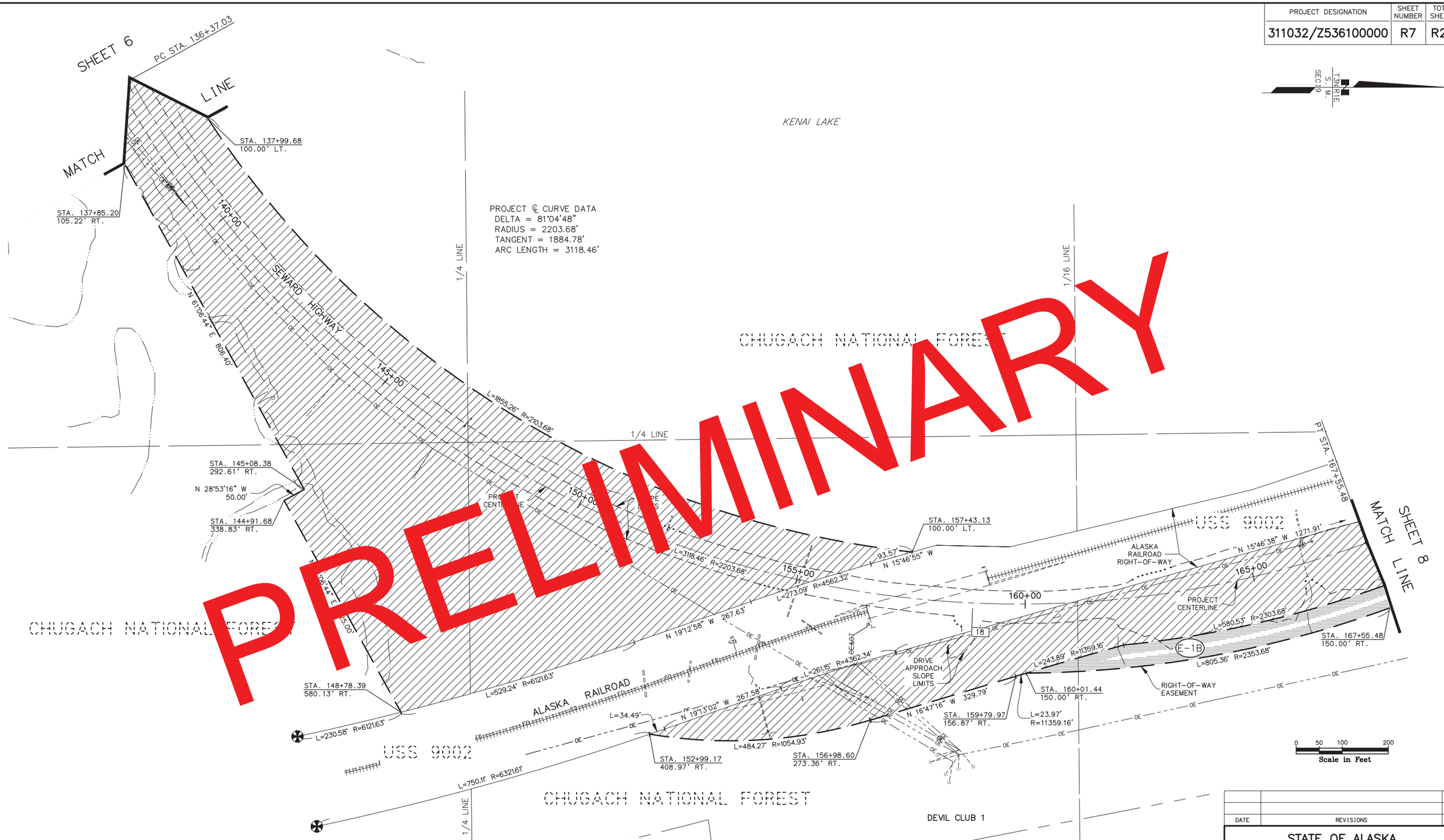
SEWARD HIGHWAY M.P. 17-22.5 REHABILITATION

DRAWN AFF	DATE 12/03/2020	SCALE 1"=100'	
CHECKED EPF	DATE	SHEET 6	OF 23

W:\Projects\Highways\SEWARD_HIGHWAY\53610 Seward Hwy MP 17-22.5 Rehab\Auto\CAD\53610-Seward Hwy 17-22.5 Acq Plat 12/3/2020 11:44:39 AM

PROJECT DESIGNATION	SHEET NUMBER	TOTAL SHEETS
311032/Z536100000	R7	R23

T5N R1E S.M. SEC 19



PARCEL NO.	INTEREST ACQUIRED	OWNER	LARGER PARCEL	TAKE INCLUDING EXISTING EASEMENT	NET TAKE	REMAINDER	RECORDED DOCUMENT NUMBER
PARCEL INFORMATION							
E-1B	ROW EASEMENT	U.S. FOREST SERVICE	Large	6.51 AC	6.51 AC	Large	
E-1A	DELETED						

DATE	REVISIONS	BY

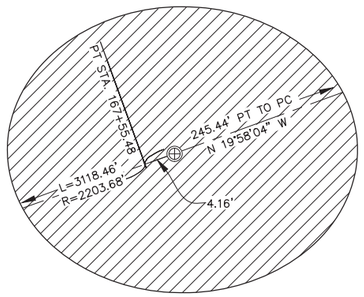
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
RIGHT-OF-WAY ACQUISITION PLAT
ALASKA PROJECT
311032/Z536100000
SEWARD HIGHWAY M.P. 17-22.5 REHABILITATION

DRAWN AFF	DATE 12/03/2020	SCALE 1"=100'	
CHECKED EPF	DATE	SHEET 7	OF 23

W:\Projects\Highways\SEWARD_HIGHWAY\53610 Seward Hwy MP 17-22.5 Rehab\Auto\CAD\53610-Seward Hwy 17-22.5 Acq Plat 12/3/2020 11:44:44 AM

PROJECT DESIGNATION	SHEET NUMBER	TOTAL SHEETS
311032/Z536100000	R8	R23

T3N R1E S.M. SEC 18, 19



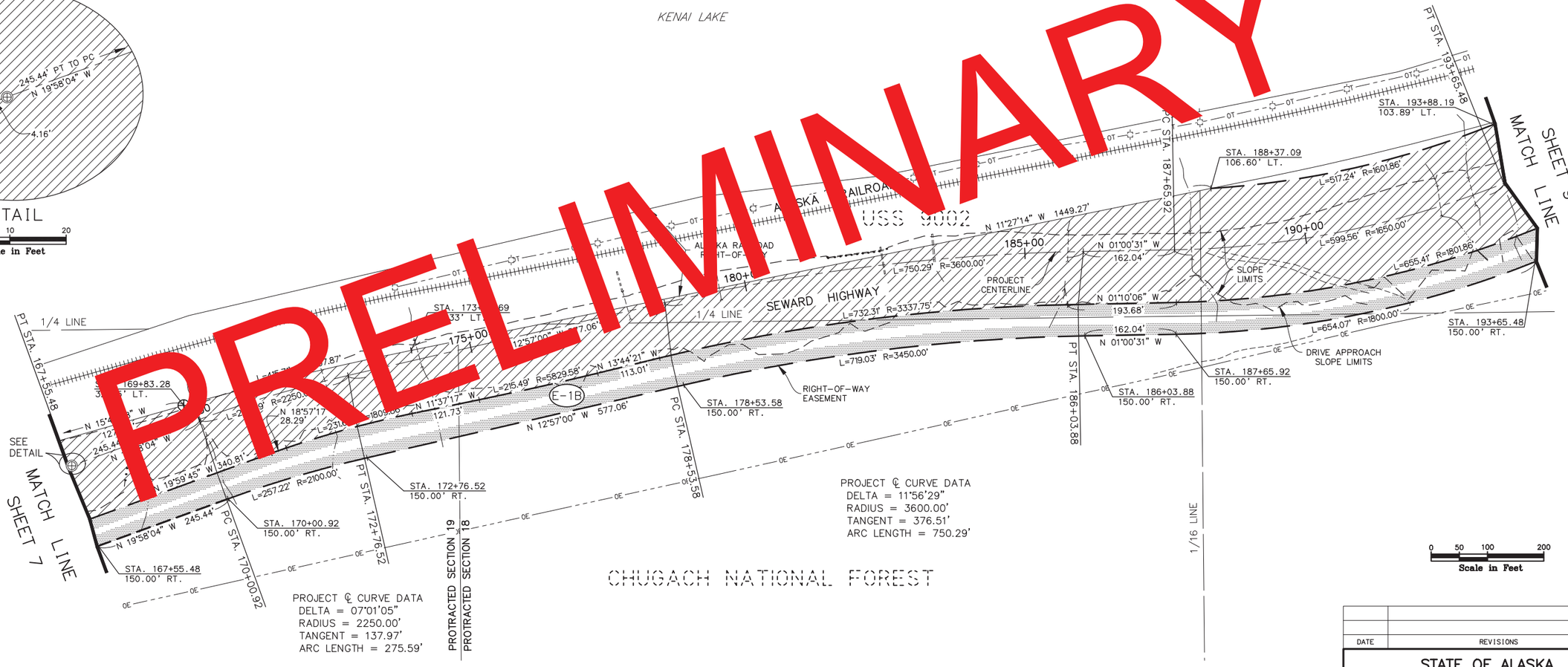
DETAIL

0 5 10 20
Scale in Feet

PROJECT ℄ CURVE DATA
DELTA = 20°49'11"
RADIUS = 1650.00'
TANGENT = 303.12'
ARC LENGTH = 599.56'

KENAI LAKE

PRELIMINARY



PROJECT ℄ CURVE DATA
DELTA = 07°01'05"
RADIUS = 2250.00'
TANGENT = 137.97'
ARC LENGTH = 275.59'

PROJECT ℄ CURVE DATA
DELTA = 11°56'29"
RADIUS = 3600.00'
TANGENT = 376.51'
ARC LENGTH = 750.29'

CHUGACH NATIONAL FOREST

0 50 100 200
Scale in Feet

PARCEL NO.	INTEREST ACQUIRED	OWNER	LARGER PARCEL	TAKE INCLUDING EXISTING EASEMENT	NET TAKE	REMAINDER	RECORDED DOCUMENT NUMBER
E-1B	ROW EASEMENT	U.S. FOREST SERVICE	Large	6.51 AC	6.51 AC	Large	

PARCEL INFORMATION

DATE	REVISIONS	BY

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

RIGHT-OF-WAY ACQUISITION PLAT
ALASKA PROJECT
311032/Z536100000

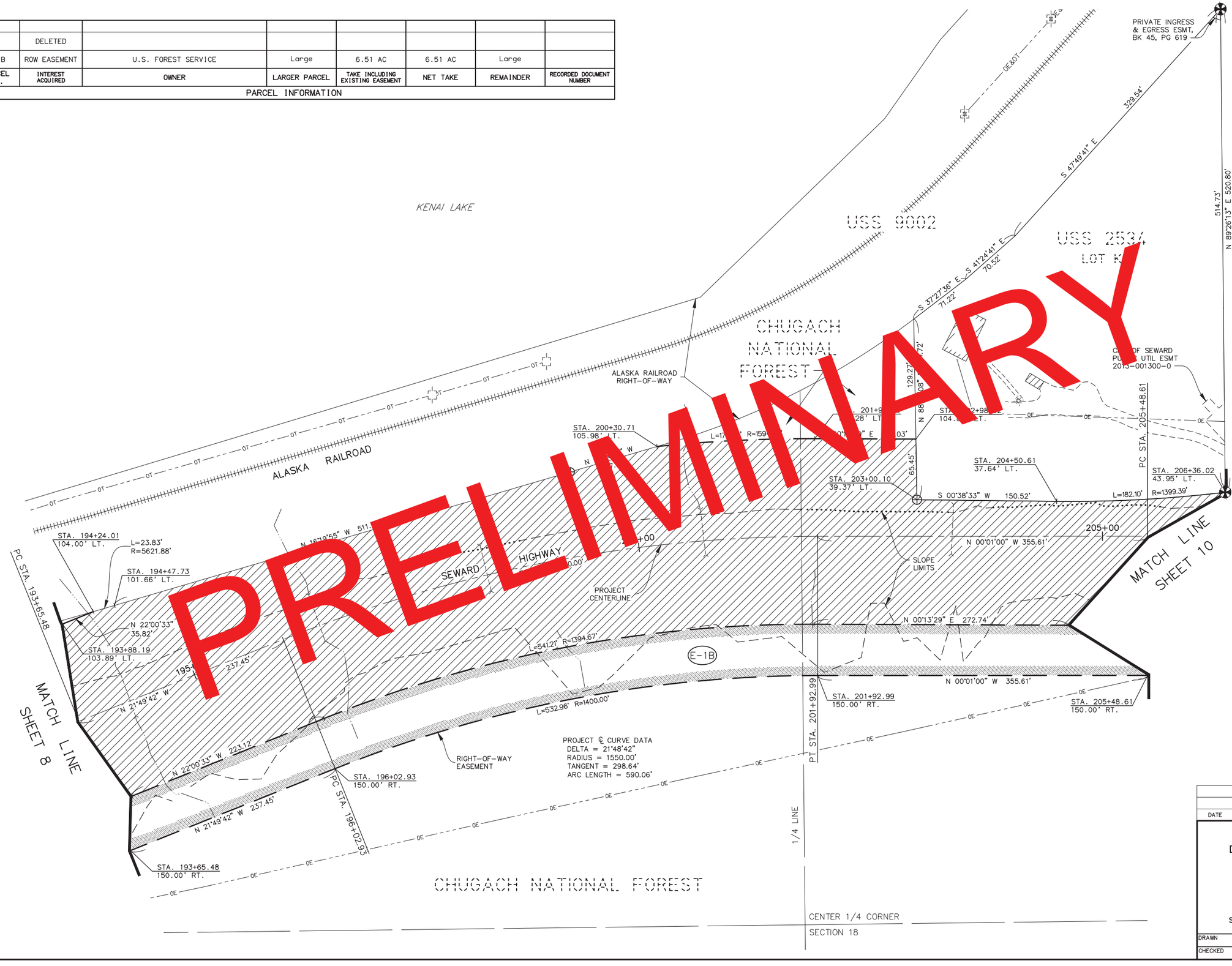
SEWARD HIGHWAY M.P. 17-22.5 REHABILITATION

DRAWN AFF	DATE 12/03/2020	SCALE 1"=100'	
CHECKED EPF	DATE	SHEET 8	OF 23

W:\Projects\Highways\SEWARD_HIGHWAY\53610 Seward Hwy MP 17-22.5 Rehab\Auto\CAD\53610-Seward Hwy 17-22.5 Acq Plat 12/3/2020 11:44:51 AM

PARCEL NO.	INTEREST ACQUIRED	OWNER	LARGER PARCEL	TAKE INCLUDING EXISTING EASEMENT	NET TAKE	REMAINDER	RECORDED DOCUMENT NUMBER
PARCEL INFORMATION							
E-1B	ROW EASEMENT	U.S. FOREST SERVICE	Large	6.51 AC	6.51 AC	Large	
2	DELETED						

PROJECT DESIGNATION	SHEET NUMBER	TOTAL SHEETS
311032/Z536100000	R9	R23



0 25 50 100
Scale in Feet

DATE	REVISIONS	BY

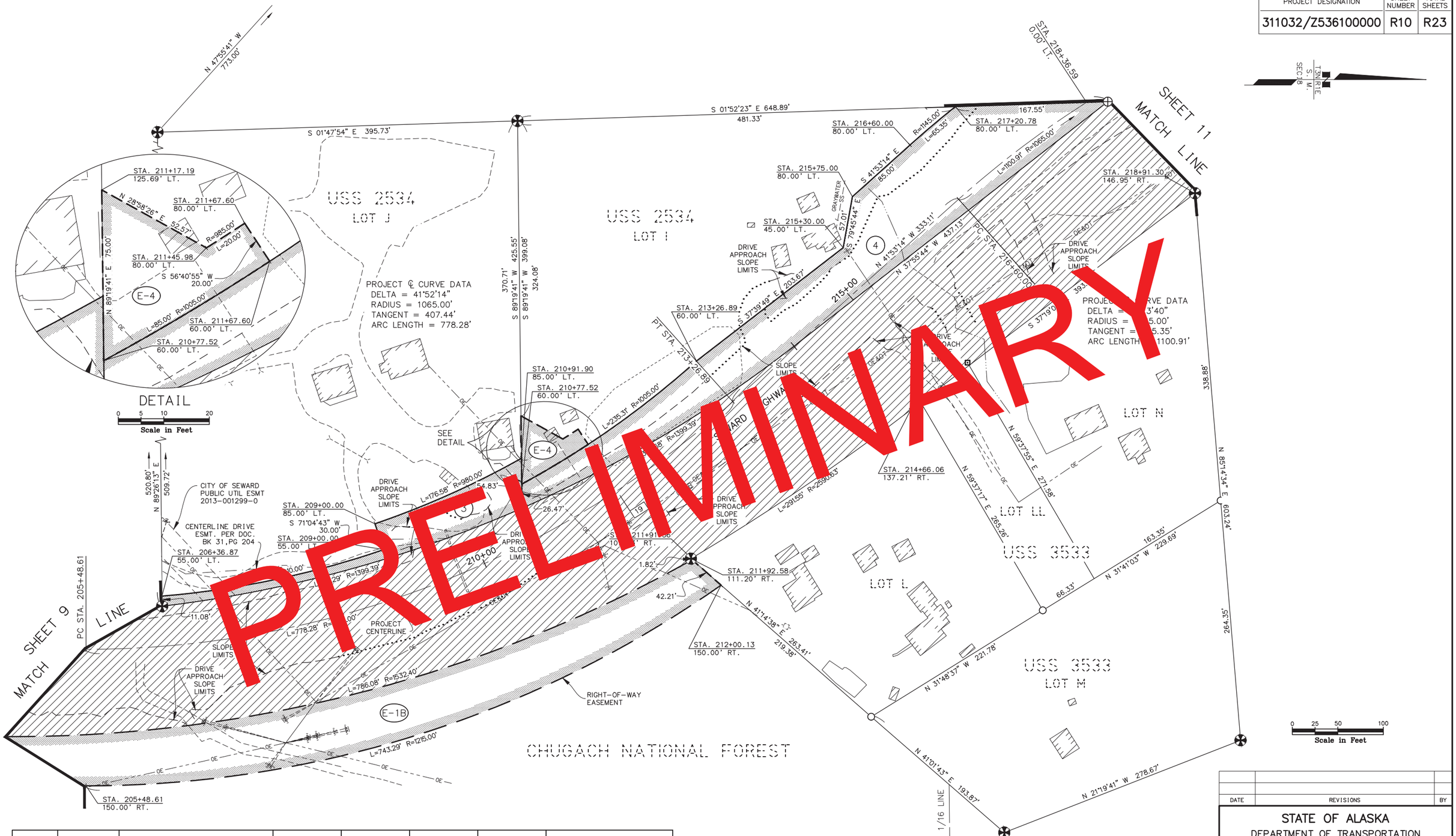
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
RIGHT-OF-WAY ACQUISITION PLAT
ALASKA PROJECT
311032/Z536100000
SEWARD HIGHWAY M.P. 17-22.5 REHABILITATION

DRAWN	AFF	DATE	12/03/2020	SCALE	1"=50'
CHECKED	EPF	DATE		SHEET	9 OF 23

W:\Projects\Highways\SEWARD_HIGHWAY\53610 Seward Hwy MP 17-22.5 Rehab\AutoCAD\53610-Seward Hwy 17-22.5 Acq Plat 12/3/2020 11:44:59 AM

PROJECT DESIGNATION	SHEET NUMBER	TOTAL SHEETS
311032/Z536100000	R10	R23

T13N R1E S.M. SEC 18



E-4	Elec. Esmt.	DAVE T. SOWERS and LYNN A. SOWERS	2.45 AC	2,785 S.F.	2,785 S.F.	2.45 AC	2016-001485-0/2016-001484-0
4	FEE	DAVE T. SOWERS and LYNN A. SOWERS	3.44 AC	43,262 S.F.	43,262 S.F.	2.45 AC	2016-001482-0/2016-001483-0
3	FEE	KAARE P. ELDE and ORVETTA RAE ELDE	4.40 AC	9,727 S.F.	9,727 S.F.	4.18 AC	2018-000131-0
E-1B	ROW EASEMENT	U.S. FOREST SERVICE	Large	6.51 AC	6.51 AC	Large	
PARCEL NO.	INTEREST ACQUIRED	OWNER	LARGER PARCEL	TAKE INCLUDING EXISTING EASEMENT	NET TAKE	REMAINDER	RECORDED DOCUMENT NUMBER
PARCEL INFORMATION							

DATE	REVISIONS	BY

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
RIGHT-OF-WAY ACQUISITION PLAT
ALASKA PROJECT
311032/Z536100000
SEWARD HIGHWAY M.P. 17-22.5 REHABILITATION

DRAWN	AFF	DATE 12/03/2020	SCALE 1"=50'
CHECKED	EPF	DATE	SHEET 10 OF 23

W:\Projects\Highways\SEWARD_HIGHWAY\53610 Seward Hwy MP 17-22.5 Rehab\Auto\CAD\53610-Seward Hwy 17-22.5 Acq Plat 12/3/2020 11:45:05 AM

PROJECT DESIGNATION	SHEET NUMBER	TOTAL SHEETS
311032/Z536100000	R11	R23

PARCEL NO.	INTEREST ACQUIRED	OWNER	LARGER PARCEL	TAKE INCLUDING EXISTING EASEMENT	NET TAKE	REMAINDER	RECORDED DOCUMENT NUMBER
PARCEL INFORMATION							
E-1C	ROW Easement	U.S. FOREST SERVICE	Large	1.10 AC	1.10 AC	Large	
8	FEE	GEORGIA A. PALMER	1.0 AC	1.0 AC	1.0 AC	0	2016-001259-0
7	FEE	JAN-AKE SCHULTZ	9.78 AC	26,987 S.F.	21,831 S.F.	9.16 AC	2020-000636-0
6	FEE	GARY GLASGOW	3.51 AC	7,498 S.F.	2,059 S.F.	3.34 AC	2017-000254-0
5	FEE	LAWRENCE HARMON and CAROL HARMON	20.38 AC	54,260 S.F.	35,767 S.F.	19.13 AC	2017-000633-0

T3N R1E S.M. SEC 7, 18

PLAT 2011-16
LOT 2E

PLAT 98-13
LOT 3

PLAT 2011-16
LOT 2F

30' UTILITY EASEMENT
BK 88, PG 841

20' UTILITY EASEMENT
BK 82, PG 198
"ACCESS TO USS 1775 ONY"

N 70°04'49" E 247.25'

N 84°07'16" E 219.95'

174.05' DE&OT

N 78°52'55" E 715.48'

1026.82'

N 89°21'55" E 1086.40'

STA. 224+16.08
93.39' LT.

STA. 225+66.74
130.00' LT.

STA. 225+92.44
99.68' LT.

STA. 224+10.21
95.47' LT.

STA. 225+54.25
61.54' LT.

STA. 222+49.95
100.00' LT.

L=6.72'
R=253.37'

L=178.53' R=253.37'

S 35°36'56" E
56.05'

190.27'

129.03'

L=217.87' R=1195.00'

DRIVE APPROACH SLOPE LIMIT

N 14°37'03" E 151.49'

DE&OT

L=143.81' R=766.20'

L=381.54' R=766.20'

ELECTRIC TRANSMISSION LINE EASEMENT, BK 37 PG 342

L=1100.91' R=1065.00'

L=605.25' R=1165.00'

225+00

SEWARD HIGHWAY

SLOPE LIMITS

PROJECT CENTERLINE

STA. 216+96.66
100.00' LT.

220+00

N 55°55'39" W 193.41'

LS=22.04'

42.90'

213.54'

S 01°52'23" E 200.48'

N 01°51'02" W 256.44'

L=16.0

50'

S 01°51'02" E 639.27'

E-1C

RIGHT-OF-WAY EASEMENT

STA. 227+49.76
149.95' RT.

PT STA. 227+60.91

N 01°51'02" W 152.04'

84.10'

N 17°20'55" E 136.68'

N 17°20'26" E 1299.25'

N 17°20'55" E 634.07'

STA. 231+00.00
99.90' RT.

N 17°20'26" E 348.67'

N 72°39'34" W
50.10'

STA. 231+00.00
150.00' RT.

STA. 229+59.12
0.00' LT.

SHEET 12 MATCH LINE

MATCH SHEET 11 LINE

STA. 218+91.30
146.95' RT.

PROJECT ℄ CURVE DATA
DELTA = 59°13'40"
RADIUS = 1065.00'
TANGENT = 605.35'
ARC LENGTH = 1100.91'

CHUGACH NATIONAL FOREST

VICTOR CREEK

PROTRACTED SECTION 18

0 25 50 100
Scale in Feet

PRELIMINARY

DATE	REVISIONS	BY

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
RIGHT-OF-WAY ACQUISITION PLAT
ALASKA PROJECT
311032/Z536100000

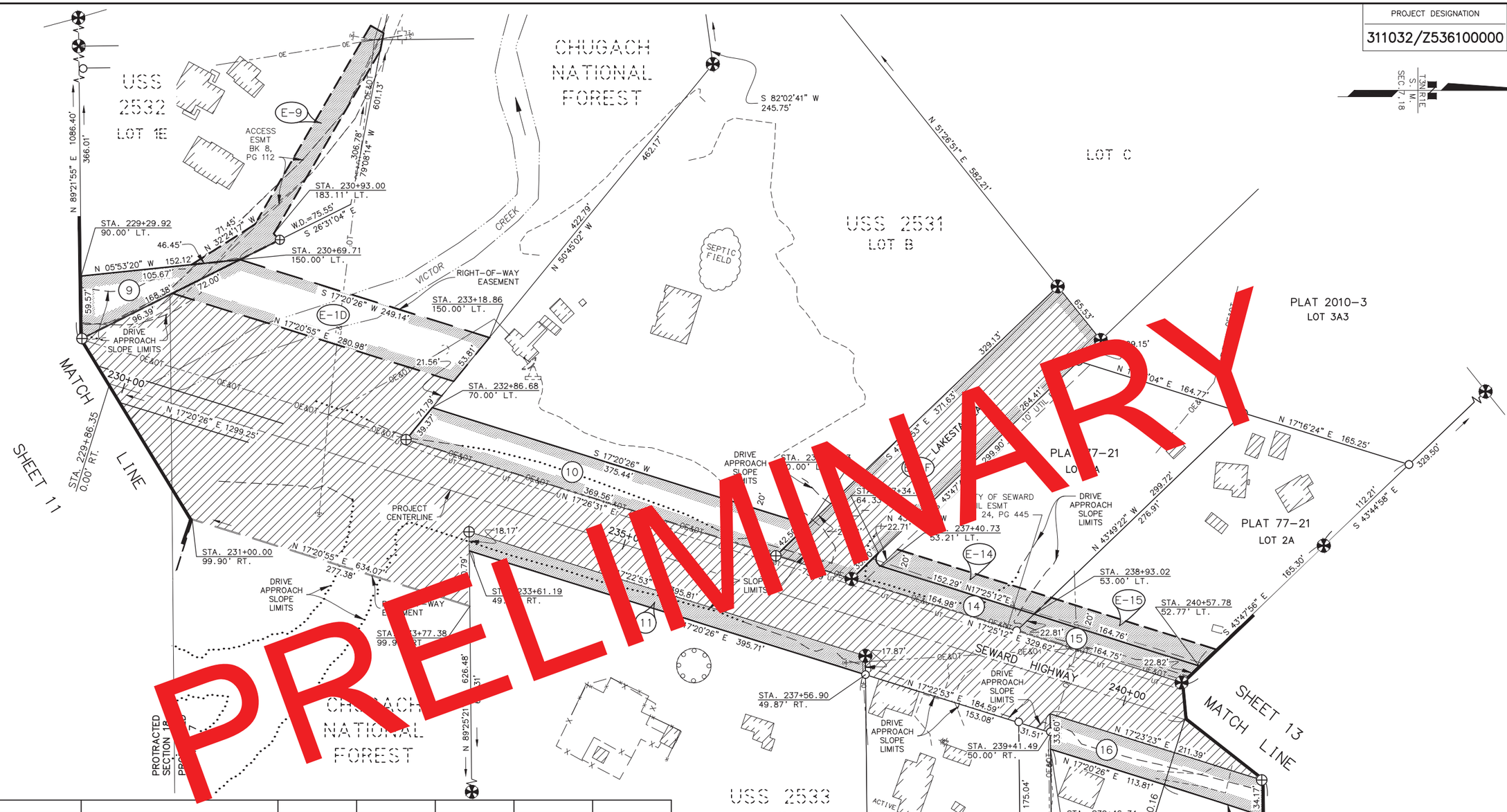
SEWARD HIGHWAY M.P. 17-22.5 REHABILITATION

DRAWN	AFF	DATE	12/03/2020	SCALE	1"=50'
CHECKED	EPF	DATE		SHEET	11 OF 23

W:\Projects\Highways\SEWARD_HIGHWAY\53610 Seward Hwy MP 17-22.5 Rehab\AutoCAD\53610-Seward Hwy 17-22.5 Acq Plat 12/3/2020 11:45:09 AM

PROJECT DESIGNATION	SHEET NUMBER	TOTAL SHEETS
311032/Z536100000	R12	R23

T3N R1E S.M. SEC. 7, 18



PARCEL NO.	INTEREST ACQUIRED	OWNER	LARGER PARCEL	TAKE INCLUDING EXISTING EASEMENT	NET TAKE	REMAINDER	RECORDED DOCUMENT NUMBER
PARCEL INFORMATION							
16	FEE	SFC. WALTER R. MORRIS	83,285 S.F.	6,762 S.F.	6,762 S.F.	76,523 S.F.	2018-001026-0
E-15	Utility Esmt.	JASON R. BURCH	40,054 S.F.	3,295 S.F.	3,295 S.F.	40,054 S.F.	2019-000136-0
15	FEE	JASON R. BURCH	43,349 S.F.	3,295 S.F.	3,295 S.F.	40,054 S.F.	2019-000135-0
E-14	Utility Esmt.	MICHAEL J. GLAZER and KATHARINE GLASER	40,000 S.F.	3,071 S.F.	3,071 S.F.	40,000 S.F.	2016-001487-0
14	FEE	MICHAEL J. GLAZER and KATHARINE GLASER	43,335 S.F.	3,335 S.F.	3,335 S.F.	40,000 S.F.	2016-001486-0
13	DELETED						
12	DELETED						
E-11	DELETED						
11	FEE	RICHARD D. TARPEY AND SHIRLEY A. TARPEY	4.89 AC	6,785 S.F.	6,785 S.F.	4.73 AC	2019-000181-0
E-10	DELETED						
10	FEE	GARY D. ELDE	4.28 AC	13,735 S.F.	13,735 S.F.	3.96 AC	2018-000720-0
E-1F	ROW Easement	U.S. FOREST SERVICE	Large	0.53 AC	0.53 AC	Large	
E-1E	DELETED						
E-1D	ROW Easement	U.S. FOREST SERVICE	Large	0.31 AC	0.31 AC	Large	
E-9	Utility Esmt.	JOHN J. LODZINSKI and KIM M. LODZINSKI	2.26 AC	5,598 S.F.	5,598 S.F.	2.26 AC	2017-000714-0
9	FEE	JOHN J. LODZINSKI and KIM M. LODZINSKI	2.36 AC	4,512 S.F.	4,512 S.F.	2.26 AC	2017-000715-0

0 25 50 100
Scale in Feet

DATE	REVISIONS	BY

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

RIGHT-OF-WAY ACQUISITION PLAT
ALASKA PROJECT
311032/Z536100000

SEWARD HIGHWAY M.P. 17-22.5 REHABILITATION

DRAWN	AFF	DATE	12/03/2020	SCALE	1"=50'
CHECKED	EPF	DATE		SHEET	12 OF 23

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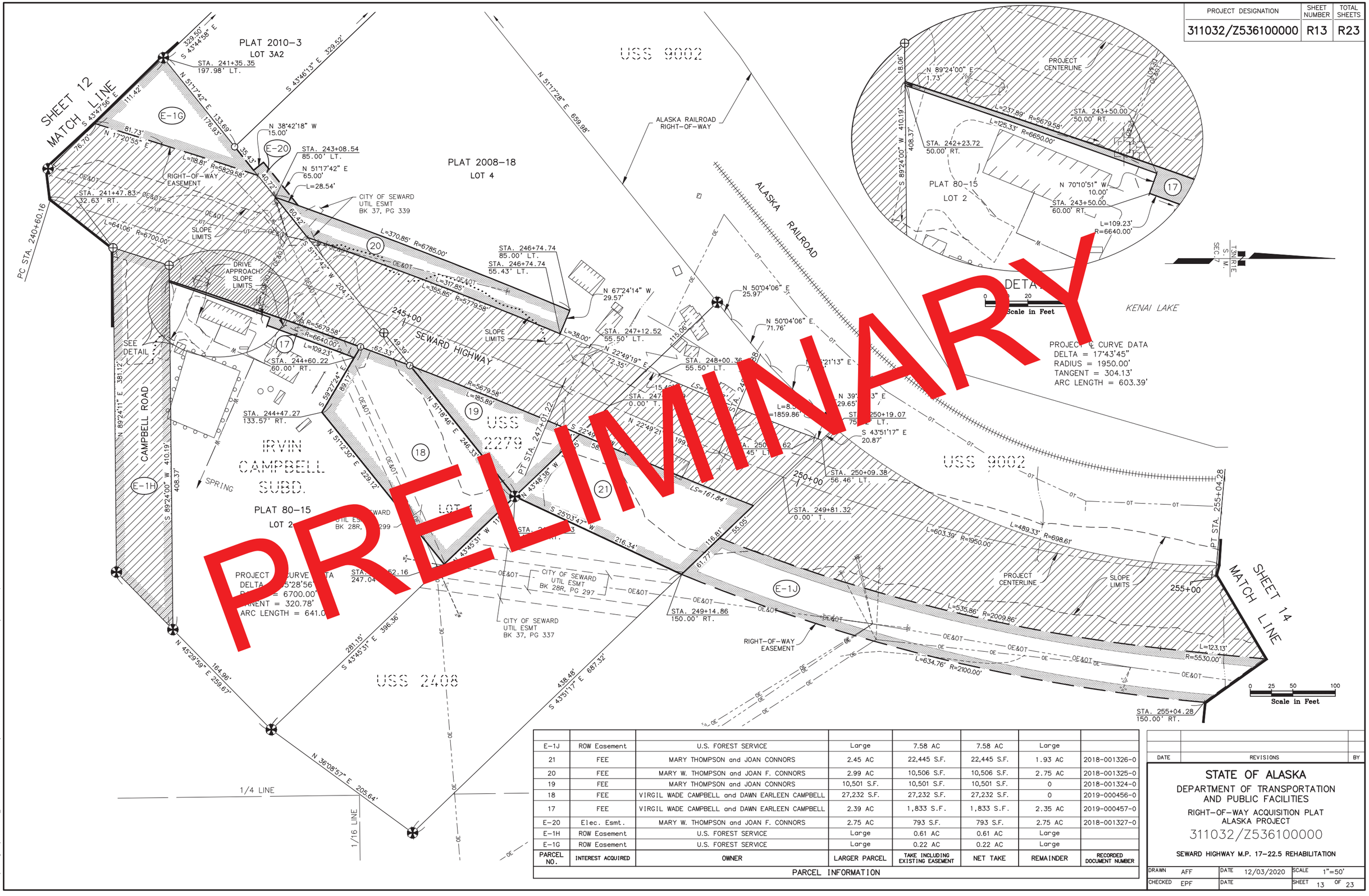
PROJECT DESIGNATION	SHEET NUMBER	TOTAL SHEETS
311032/Z536100000	R13	R23



PARCEL NO.	INTEREST ACQUIRED	OWNER	LARGER PARCEL	TAKE INCLUDING EXISTING EASEMENT	NET TAKE	REMAINDER	RECORDED DOCUMENT NUMBER
PARCEL INFORMATION							
E-1J	ROW Easement	U.S. FOREST SERVICE	Large	7.58 AC	7.58 AC	Large	
21	FEE	MARY THOMPSON and JOAN CONNORS	2.45 AC	22,445 S.F.	22,445 S.F.	1.93 AC	2018-001326-0
20	FEE	MARY W. THOMPSON and JOAN F. CONNORS	2.99 AC	10,506 S.F.	10,506 S.F.	2.75 AC	2018-001325-0
19	FEE	MARY THOMPSON and JOAN CONNORS	10,501 S.F.	10,501 S.F.	10,501 S.F.	0	2018-001324-0
18	FEE	VIRGIL WADE CAMPBELL and DAWN EARLEEN CAMPBELL	27,232 S.F.	27,232 S.F.	27,232 S.F.	0	2019-000456-0
17	FEE	VIRGIL WADE CAMPBELL and DAWN EARLEEN CAMPBELL	2.39 AC	1,833 S.F.	1,833 S.F.	2.35 AC	2019-000457-0
E-20	Elec. Esmt.	MARY W. THOMPSON and JOAN F. CONNORS	2.75 AC	793 S.F.	793 S.F.	2.75 AC	2018-001327-0
E-1H	ROW Easement	U.S. FOREST SERVICE	Large	0.61 AC	0.61 AC	Large	
E-1G	ROW Easement	U.S. FOREST SERVICE	Large	0.22 AC	0.22 AC	Large	

DATE	REVISIONS	BY

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
RIGHT–OF–WAY ACQUISITION PLAT
ALASKA PROJECT
311032/Z536100000
SEWARD HIGHWAY M.P. 17–22.5 REHABILITATION

DRAWN	AFF	DATE	12/03/2020	SCALE	1"=50'
CHECKED	EPF	DATE		SHEET	13 OF 23

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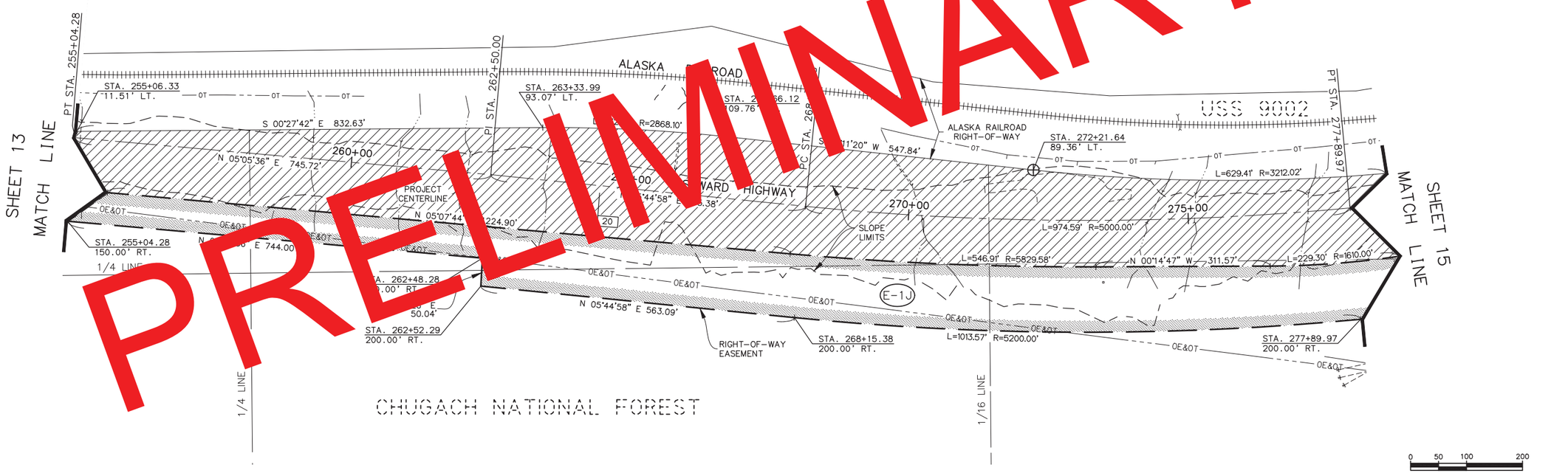
PROJECT DESIGNATION	SHEET NUMBER	TOTAL SHEETS
311032/Z536100000	R14	R23

T3N R1E S.M. SEC. 7

KENAI LAKE

PROJECT ℄ CURVE DATA
DELTA = 11°10'05"
RADIUS = 5000.00'
TANGENT = 488.84'
ARC LENGTH = 974.59'



PRELIMINARY

0 50 100 200
Scale in Feet

PARCEL NO.	INTEREST ACQUIRED	OWNER	LARGER PARCEL	TAKE INCLUDING EXISTING EASEMENT	NET TAKE	REMAINDER	RECORDED DOCUMENT NUMBER
E-1J	ROW Easement	U.S. FOREST SERVICE	Large	7.58 AC	7.58 AC	Large	

PARCEL INFORMATION

DATE	REVISIONS	BY

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

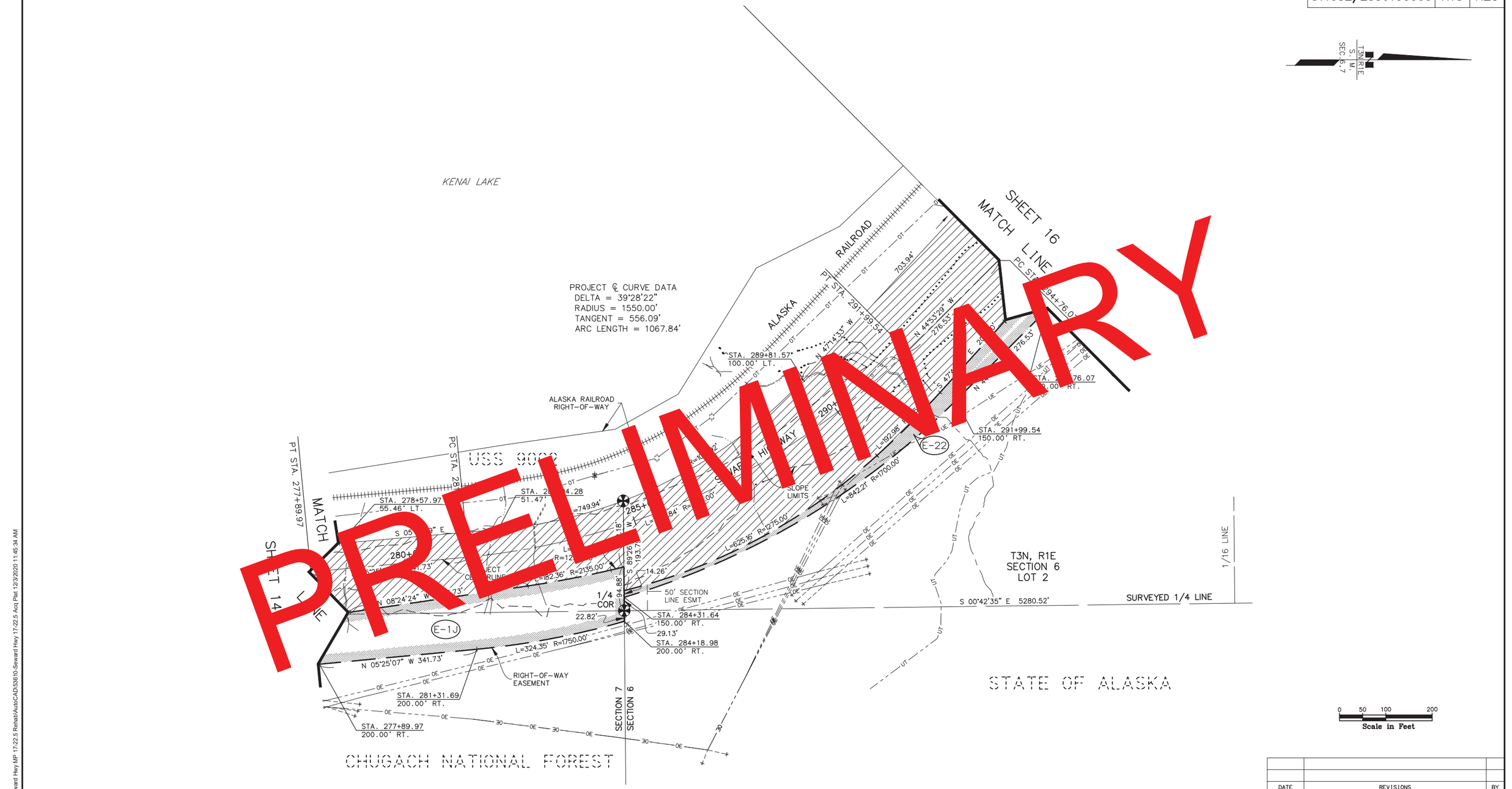
RIGHT-OF-WAY ACQUISITION PLAT
ALASKA PROJECT
311032/Z536100000

SEWARD HIGHWAY M.P. 17-22.5 REHABILITATION

DRAWN AFF	DATE 12/03/2020	SCALE 1"=100'	
CHECKED EPF	DATE	SHEET 14	OF 23

W:\Projects\Highways\SEWARD_HIGHWAYS\3610 Seward Hwy MP 17-22.5 Rehab\AutoCAD\53610-Seward Hwy 17-22.5 Acq Plat 12/3/2020 11:45:29 AM

PROJECT DESIGNATION	SHEET NUMBER	TOTAL SHEETS
311032/Z536100000	R15	R23



T3N R1E S. M. SEC. 6, 7

0 50 100 200
Scale in Feet

PARCEL NO.	INTEREST ACQUIRED	OWNER	LARGER PARCEL	TAKE INCLUDING EXISTING EASEMENT	NET TAKE	REMAINDER	RECORDED DOCUMENT NUMBER
PARCEL INFORMATION							
E-22	ROW Easement	ALASKA DEPARTMENT OF NATURAL RESOURCES	Large	29.30 AC	2.23 AC	Large	
E-1J	ROW Easement	U.S. FOREST SERVICE	Large	7.58 AC	7.58 AC	Large	

DATE	REVISIONS	BY

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
RIGHT-OF-WAY ACQUISITION PLAT
ALASKA PROJECT
311032/Z536100000
SEWARD HIGHWAY M.P. 17-22.5 REHABILITATION

DRAWN AFF	DATE 12/03/2020	SCALE 1"=100'	
CHECKED EPF	DATE	SHEET 15	OF 23

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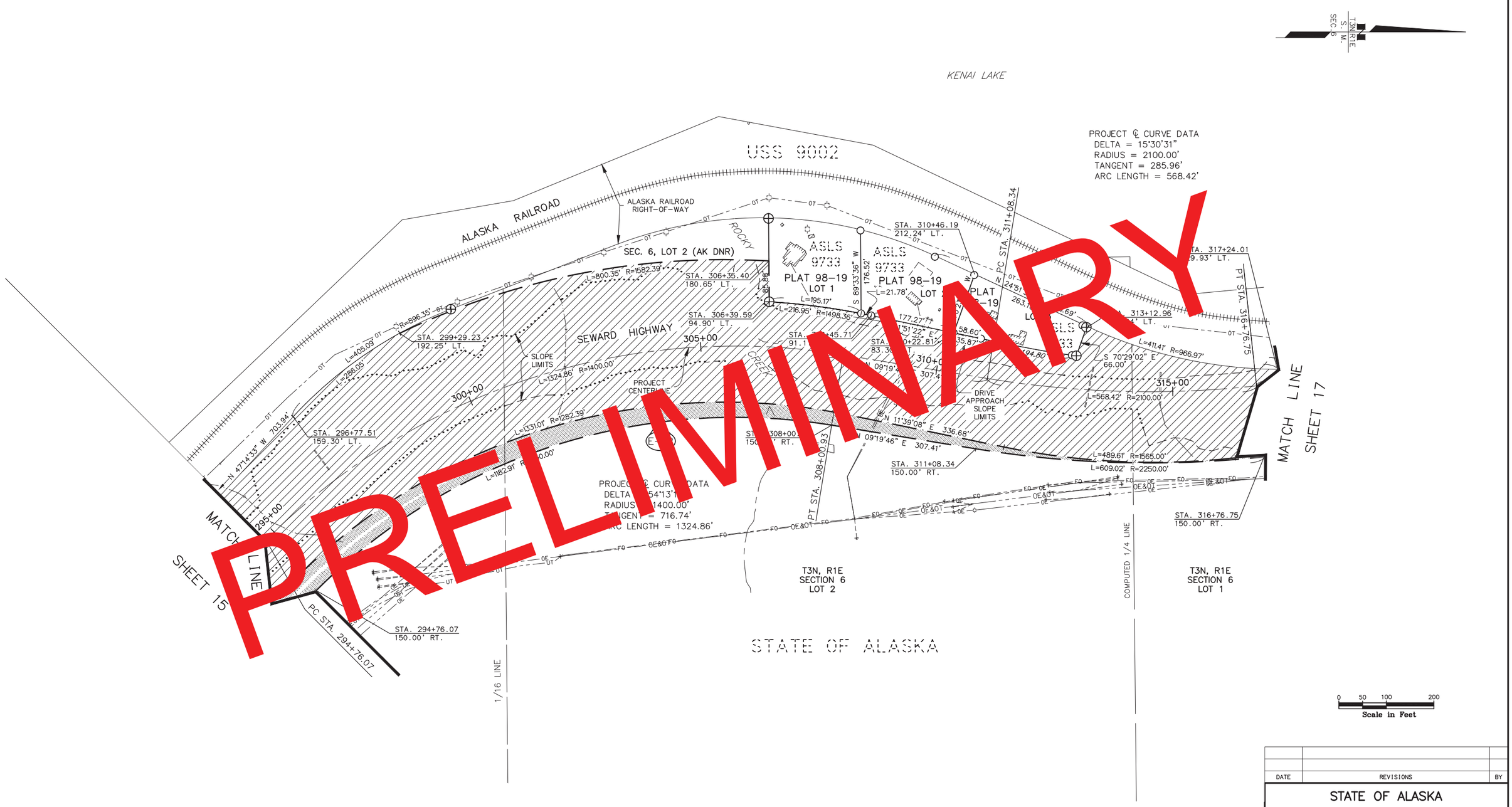
PROJECT DESIGNATION	SHEET NUMBER	TOTAL SHEETS
311032/Z536100000	R16	R23



0 50 100 200
Scale in Feet

PARCEL NO.	INTEREST ACQUIRED	OWNER	LARGER PARCEL	TAKE INCLUDING EXISTING EASEMENT	NET TAKE	REMAINDER	RECORDED DOCUMENT NUMBER
PARCEL INFORMATION							
E-22	ROW Easement	ALASKA DEPARTMENT OF NATURAL RESOURCES	Large	29.30 AC	2.23 AC	Large	
23	DELETED						

DATE	REVISIONS	BY

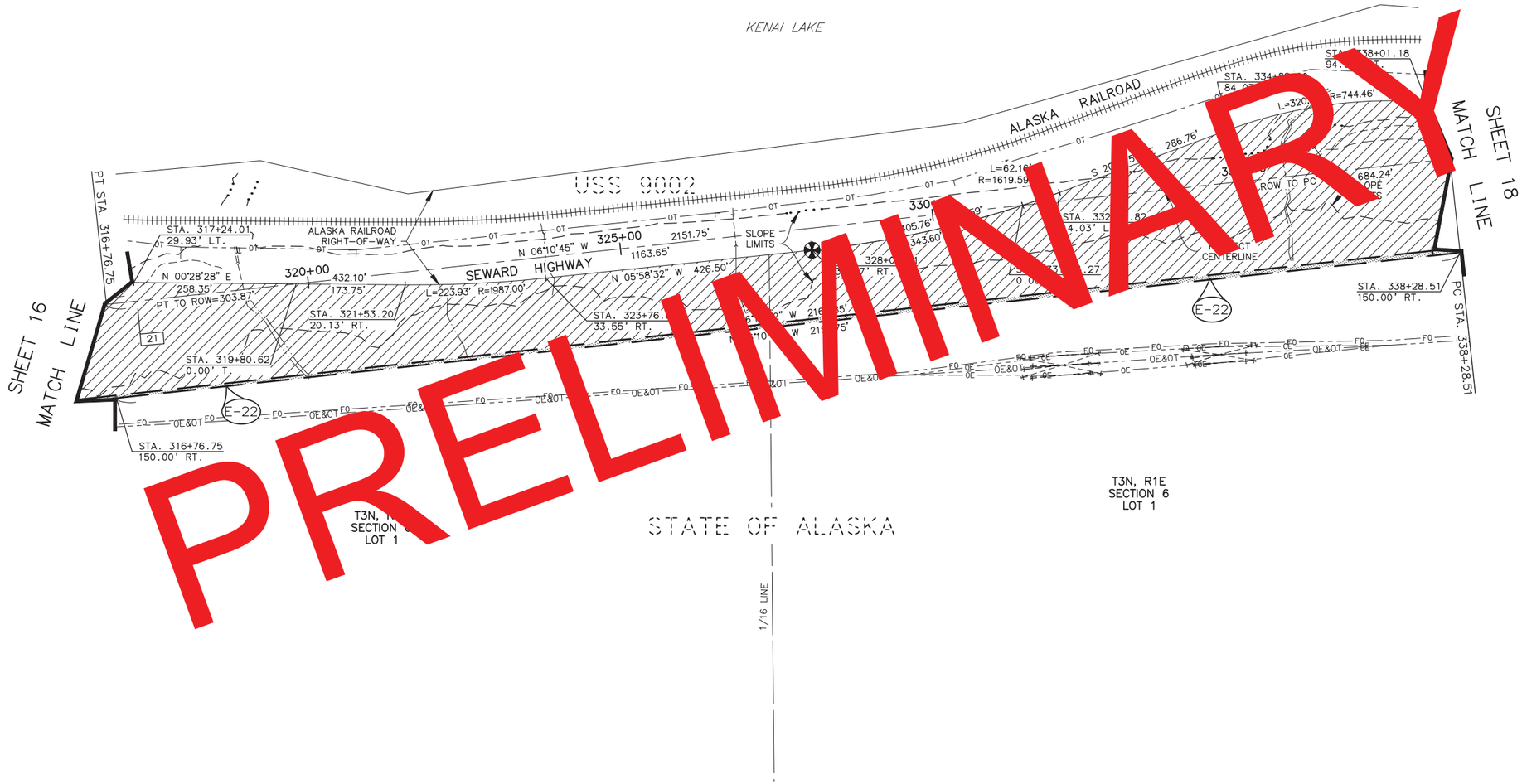
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
RIGHT-OF-WAY ACQUISITION PLAT
ALASKA PROJECT
311032/Z536100000
SEWARD HIGHWAY M.P. 17-22.5 REHABILITATION

DRAWN AFF	DATE 12/03/2020	SCALE 1"=100'	
CHECKED EPF	DATE	SHEET 16	OF 23

W:\Projects\Highways\SEWARD_HIGHWAY\53610 Seward Hwy MP 17-22.5 Rehab\AutoCAD\53610-Seward Hwy 17-22.5 Acq Plat 12/3/2020 11:45:39 AM

PROJECT DESIGNATION	SHEET NUMBER	TOTAL SHEETS
311032/Z536100000	R17	R23

T3N R1E S.M. SEC. 6



PARCEL NO.	INTEREST ACQUIRED	OWNER	LARGER PARCEL	TAKE INCLUDING EXISTING EASEMENT	NET TAKE	REMAINDER	RECORDED DOCUMENT NUMBER
E-22	ROW Easement	ALASKA DEPARTMENT OF NATURAL RESOURCES	Large	29.30 AC	2.23 AC	Large	

PARCEL INFORMATION

0 50 100 200
Scale in Feet

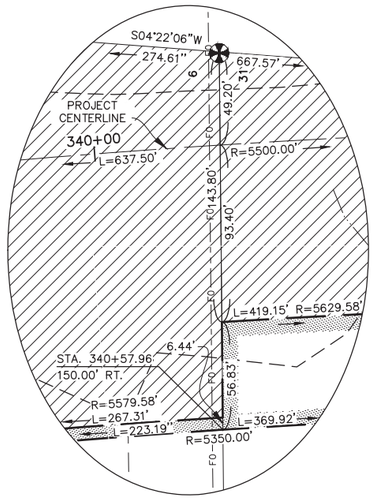
DATE	REVISIONS	BY

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
RIGHT-OF-WAY ACQUISITION PLAT
ALASKA PROJECT
311032/Z536100000
SEWARD HIGHWAY M.P. 17-22.5 REHABILITATION

DRAWN AFF	DATE 12/03/2020	SCALE 1"=100'	
CHECKED EPF	DATE	SHEET 17	OF 23

W:\Projects\Highways\SEWARD_HIGHWAY\53610 Seward Hwy MP 17-22.5 Rehab\AutoCAD\53610-Seward Hwy 17-22.5 Acq Plat 12/3/2020 11:45:44 AM

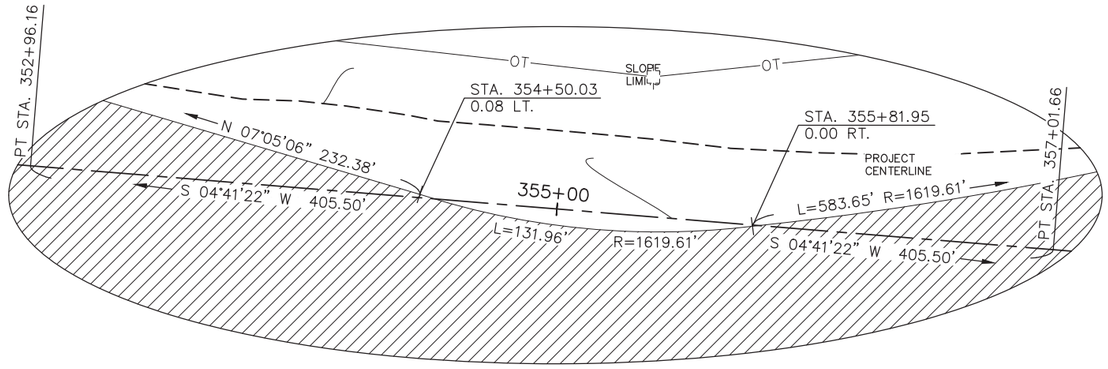
PROJECT DESIGNATION	SHEET NUMBER	TOTAL SHEETS
311032/Z536100000	R18	R23



DETAIL A

0 20 40 80

Scale in Feet



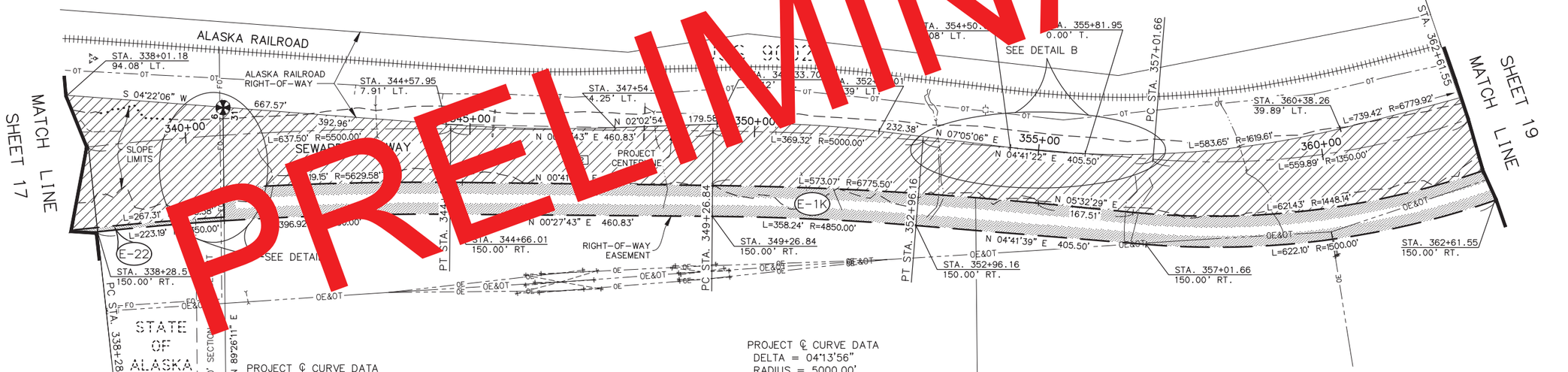
DETAIL B
N.T.S.

T4N R1E
SEC. 31
T3N R1E
SEC. 6
S. M.

KENAI LAKE

PROJECT ℄ CURVE DATA
DELTA = 23°45'45"
RADIUS = 1350.00'
TANGENT = 284.03'
ARC LENGTH = 559.89'

PRELIMINARY



PROJECT ℄ CURVE DATA
DELTA = 06°38'28"
RADIUS = 5500.00'
TANGENT = 319.11'
ARC LENGTH = 637.50'

PROJECT ℄ CURVE DATA
DELTA = 04°13'56"
RADIUS = 5000.00'
TANGENT = 184.75'
ARC LENGTH = 369.32'

0 50 100 200

Scale in Feet

PARCEL NO.	INTEREST ACQUIRED	OWNER	LARGER PARCEL	TAKE INCLUDING EXISTING EASEMENT	NET TAKE	REMAINDER	RECORDED DOCUMENT NUMBER
PARCEL INFORMATION							
E-1K	ROW Easement	U.S. FOREST SERVICE	Large	6.94 AC	6.94 AC	Large	
E-22	ROW Easement	ALASKA DEPARTMENT OF NATURAL RESOURCES	Large	29.30 AC	2.23 AC	Large	

DATE	REVISIONS	BY

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
RIGHT-OF-WAY ACQUISITION PLAT
ALASKA PROJECT
311032/Z536100000
SEWARD HIGHWAY M.P. 17-22.5 REHABILITATION

DRAWN AFF	DATE 12/03/2020	SCALE 1"=100'	
CHECKED EPF	DATE	SHEET 18	OF 23

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PROJECT DESIGNATION	SHEET NUMBER	TOTAL SHEETS
311032/Z536100000	R19	R23

T4N R1E S. M. SEC. 31

PARCEL NO.	INTEREST ACQUIRED	OWNER	LARGER PARCEL	TAKE INCLUDING EXISTING EASEMENT	NET TAKE	REMAINDER	RECORDED DOCUMENT NUMBER
E-1K	ROW Easement	U.S. FOREST SERVICE	Large	6.94 AC	6.94 AC	Large	

PARCEL INFORMATION

0 50 100 200
Scale in Feet

DATE	REVISIONS	BY

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
RIGHT-OF-WAY ACQUISITION PLAT
ALASKA PROJECT
311032/Z536100000
SEWARD HIGHWAY M.P. 17-22.5 REHABILITATION

DRAWN AFF	DATE 12/03/2020	SCALE 1"=100'	
CHECKED EPF	DATE	SHEET 19	OF 23

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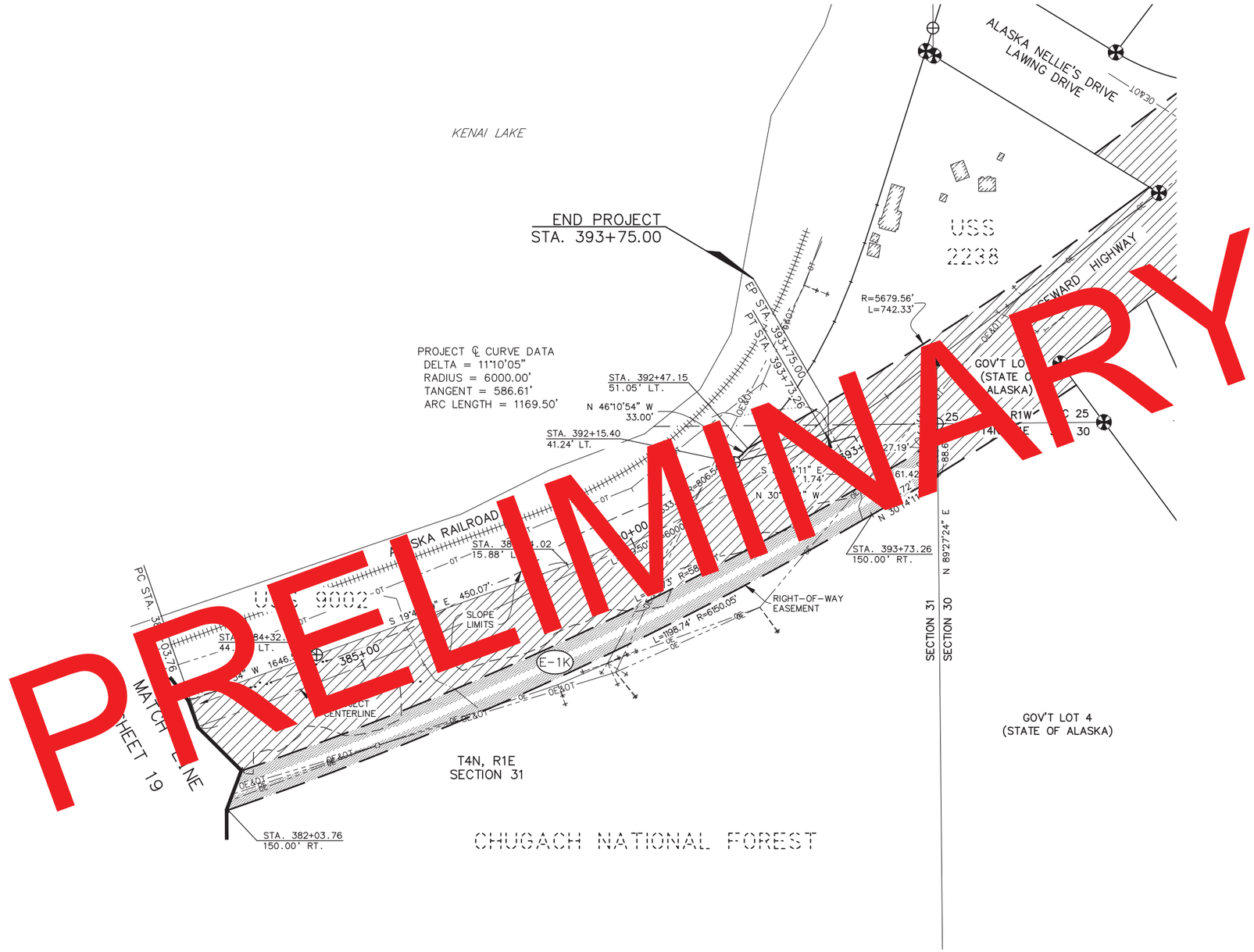
PROJECT DESIGNATION	SHEET NUMBER	TOTAL SHEETS
311032/Z536100000	R20	R23

T4N R1E SEC. 30,31
T4N R1W SEC. 25,36
S. M.



PRELIMINARY

PARCEL NO.	INTEREST ACQUIRED	OWNER	LARGER PARCEL	TAKE INCLUDING EXISTING EASEMENT	NET TAKE	REMAINDER	RECORDED DOCUMENT NUMBER
E-1K	ROW Easement	U.S. FOREST SERVICE	Large	6.94 AC	6.94 AC	Large	
PARCEL INFORMATION							

0 50 100 200
Scale in Feet

DATE	REVISIONS	BY

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
RIGHT-OF-WAY ACQUISITION PLAT
ALASKA PROJECT
311032/Z536100000
SEWARD HIGHWAY M.P. 17-22.5 REHABILITATION

DRAWN	AFF	DATE 12/03/2020	SCALE 1"=100'
CHECKED	EPF	DATE	SHEET 20 OF 23

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GENERAL NOTES

PROJECT DESIGNATION	SHEET NUMBER	TOTAL SHEETS
311032/Z536100000	R21	R23

ROW GENERAL NOTES

HORIZONTAL CONTROL STATEMENT

COORDINATE SYSTEM:

THIS PROJECT IS LOCATED ENTIRELY WITHIN THE SEWARD–1 ADJUSTMENT, A LOCAL SURFACE PLANE COORDINATE SYSTEM DEVELOPED BY THE ALASKA DEPARTMENT OF TRANSPORTATION. SEWARD–1 EXTENDS FROM THE CITY OF SEWARD TO MILEPOST 36 OF THE SEWARD HIGHWAY.

BASIS OF COORDINATES:

THE BASIS OF COORDINATES IS USC&GS STATION SEWARD, A BRASS DISC SET IN THE SIDEWALK AT THE CORNER OF 3RD STREET AND JEFFERSON AVENUE. SAID STATION HAS SEWARD–1 COORDINATES OF 30,545.8920 NORTH, AND 42,239.6222 EAST.

BASIS OF BEARINGS:

THE BASIS OF BEARINGS IS A LOCAL PLANE BEARING BETWEEN USC&GS STATION SEWARD AND AKDOT "GPS 19", A BRASS DISC SET IN THE TOP OF A ROCK OUTCROP ON THE EAST SIDE OF RESURRECTION BAY. AKDOT "GPS 19" BEARS S 86° 18' 24.2" W A DISTANCE OF 14,326.4018 U.S. SURVEY FEET FROM USC&GS STATION SEWARD. AKDOT "GPS 19" HAS SEWARD–1 COORDINATES OF 29,623.0516 NORTH, AND 56,536.2711 EAST.

TRANSLATION PARAMETERS:

TO CONVERT THE LOCAL COORDINATES TO NAD83 (86) ALASKA STATE PLANE ZONE 4 STATE PLANE U.S. FOOT COORDINATES, TRANSLATE USING +2,200,245.8433 FEET NORTH, +1,700,188.8204 FEET EAST, AND SCALE USING 0.99989242.

GENERAL NOTES

1. ALL DISTANCES SHOWN ARE HORIZONTAL GROUND DISTANCES IN U.S. SURVEY FEET.
2. THESE PLANS MAY BE USED FOR THE ESTABLISHMENT OF RIGHT OF WAY LIMITS ONLY. THESE DRAWINGS ARE NOT TO BE USED AS A BASIS FOR ESTABLISHING ADJOINING PROPERTY LINES AND CORNERS. SURVEY DATA, INCLUDING MONUMENTATION AND TOPOGRAPHIC FEATURES, WAS ACQUIRED FOR AND BY ADOT&PF FROM 2000–2012.
3. ALL DOCUMENTS NOTED IN THIS PLAN SET AND REFERENCED BY INSTRUMENT NUMBER, OR BOOK AND PAGE, ARE RECORDED IN THE SEWARD RECORDING DISTRICT (S.R.D.), UNLESS NOTED OTHERWISE.
4. THE EXISTING HIGHWAY RIGHT OF WAY SHOWN FOR THE SEWARD HIGHWAY THROUGH THE CHUGACH NATIONAL FOREST IS PER THE HIGHWAY EASEMENT DEED RECORDED AT BOOK 18 PAGE 157 S.R.D.

GENERAL NOTES GLOSSARY

AKDOT	ALASKA DEPARTMENT OF TRANSPORTATION
CNF	CHUGACH NATIONAL FOREST
DNR	(ALASKA STATE) DEPARTMENT OF NATURAL RESOURCES
GPS	GLOBAL POSITIONING SYSTEM
NAD83	NORTH AMERICAN DATUM OF 1983
PLO	(FEDERAL) PUBLIC LAND ORDER
SO	(FEDERAL) SECRETARIAL (LAND) ORDER
USC&GS	UNITED STATES COAST & GEODETIC SURVEY

DATE	REVISIONS	BY

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
RIGHT–OF–WAY ACQUISITION PLAT
ALASKA PROJECT
311032/Z536100000
SEWARD HIGHWAY M.P. 17–22.5 REHABILITATION

DRAWN	AFF	DATE	12/03/2020	SCALE	SCALE
CHECKED	EPF	DATE		SHEET	21 OF 23

MONUMENT SUMMARY

PROJECT DESIGNATION	SHEET NUMBER	TOTAL SHEETS
311032/Z536100000	R22	R23

RECOVERED CORNERS - SHEET 7

MONUMENT TYPE: LOCATION	NORTHING	EASTING	STATION	OFFSET
FD BC[BLM]: PC 18AL	114850.5675	59570.6584	147+50.05	739.43R
FD BC[BLM]: PC 18AR	114892.4408	59765.9730	148+49.55	885.60R

RECOVERED CORNERS - SHEET 8

MONUMENT TYPE: LOCATION	NORTHING	EASTING	STATION	OFFSET
FD AM[BLM]: PC 18CR	117373.1904	59042.1293	169+83.28	32.75L

RECOVERED CORNERS - SHEET 9

MONUMENT TYPE: LOCATION	NORTHING	EASTING	STATION	OFFSET
FD AM[BLM]: POT R 5	120247.2201	58378.7054	199+40.28	91.35L
FD BC[GLO]: C3 LK *	120617.1964	58214.1126	202+96.60	234.06L
FD BC[USFS]: C4 LK	120620.7561	58408.8005	203+00.10	39.37L
BM P-76 1964: BC [U	120763.3608	57909.0869	204+42.85	539.05L
FD BC[GLO]: C4 LJ/C	120952.9733	58400.6936	206+36.02	43.95L
FD BC[GLO]: C2 LK/C	120947.8552	57879.9170	207+16.02	561.96L

RECOVERED CORNERS - SHEET 10

MONUMENT TYPE: LOCATION	NORTHING	EASTING	STATION	OFFSET
FD BC[GLO]: C4 LJ/C	120952.9733	58400.6936	206+36.02	43.95L
FD BC[GLO]: C2 LK/C	120947.8552	57879.9170	207+16.02	561.96L
FD BC[GLO]: C3 LI/C	121348.3859	58293.0166	210+64.74	36.51L
FD BC[BLM]: C1 LL *	121533.9367	58348.5185	211+90.67	107.27R
Fd Al. Pipe at Base of Wood	121731.9938	58522.1728	212+38.83	364.09R
Fd Al. Pipe at Base of Wood	121920.4601	58405.2720	214+27.21	398.02R
FD 2X4 POST: SW LLL	121786.0163	58175.9204	214+80.26	137.51R
FD 2X4 POST: SW LN/	121837.8305	58133.0793	215+47.43	140.21R
Fd Nail On Top of Wood Post:	122115.9238	58284.6257	216+53.28	438.70R
FD BC[USFS]: C1 LI	121991.9345	57846.2918	218+56.90	11.65R
FD BC[BLM]: C2 LN *	122087.8037	57946.9149	218+91.30	146.95R

RECOVERED CORNERS - SHEET 11

MONUMENT TYPE: LOCATION	NORTHING	EASTING	STATION	OFFSET
FD BC[USFS]: C1 LI	121[illegible]	57846.2[illegible]	218+[illegible]	[illegible]1.65R
FD BC[BLM]: C2 LN *	12208[illegible]037	57946.9[illegible]	218+9[illegible]	14[illegible]
Fd Rbr: S PC E Line L2F Renfro's	122149[illegible]32	5777[illegible]9	220+47	19.98L
Fd Power Pole: E Angle Point	122490.[illegible]	[illegible]13.2041	223+99.[illegible]	269.08L
Fd Rbr/AC[5152]: SE L2E Renfro's	122512.8[illegible]	57632.1834	224+13.5[illegible]	49.52L
Fd Rbr: N PC E Line L2E Renfro's	122656.119[illegible]	57642.3634	225+51.07	45.22L
Fd Rbr: NE L2E Renfro's	122757.7873	57665.0765	226+51.13	38.21L
Fd Rbr: Angle Point E Line L	122855.9835	57694.5451	227+50.24	33.55L
FD AM[6716]: WC C2	122982.6182	57814.2840	229+06.47	43.06R
FD AM[USFS]: C1 L1E	123045.3084	57753.8346	229+48.30	33.33L

MONUMENT GLOSSARY

AC	ALUMINUM CAP (MONUMENT)
AM	ALUMINUM PIPE (MONUMENT)
BC	BRASS CAP (MONUMENT)
BLM	BUREAU OF LAND MANAGEMENT
BM	BENCH MARK
BT	BEARING TREE
CNF	CHUGACH NATIONAL FOREST
FD, Fd	FOUND
GLO	U.S. GENERAL LAND OFFICE
N/A	DATA NOT AVAILABLE
PC	POINT OF CURVE
PI	POINT OF INTERSECTION
POT	POINT OF TANGENT
PT	POINT OF TANGENT
RBR	REBAR
SCL	SECONDARY CENTERLINE MONUMENT
SOA	STATE OF ALASKA
USDA	UNITED STATES DEPARTMENT OF AGRICULTURE FOREST SERVICE
USS	UNITED STATES SURVEY
YPC	YELLOW PLASTIC (SURVEY) CAP

RECOVERED CORNERS - SHEET 12

MONUMENT TYPE: LOCATION	NORTHING	EASTING	STATION	OFFSET
FD AM[USFS]: C1 L1E	123045.3084	57753.8346	229+48.30	33.33L
FD AM[USFS]: WC C2	123234.0121	57659.6780	231+00.36	179.45L
FD AM[6716]: C5 LB	123354.3333	57850.1763	232+71.99	33.47L
FD AM[USFS]: C1 LH	123414.4513	57938.1518	233+55.60	32.59R
Fd BC[GLO]: C6 USS 2531; C4	123646.7460	57492.2756	234+44.44	462.26L
FD AM[USFS]: C1 LB	123706.8983	57960.9471	236+41.55	32.81L
FD BC[GLO]: C4 LA *	123779.0832	57983.0336	237+17.03	33.25L
FD BC[GLO]: C1 LG *	123792.1901	58056.3701	237+51.40	32.85R
FD RBR/PC: SW LG2 *	123792.3541	58074.2408	237+56.89	49.86R
Fd BC[GLO]: C2 Lot B USS 253	123975.5866	57704.2006	238+21.50	357.97L
Fd Rbr/AC[3333]: SW L1A Lakeview Group	123995.7016	57775.5203	238+61.96	295.89L
Fd BC[GLO]: C1 Lot C USS 253	124016.6014	57755.3021	238+75.88	321.42L
Fd Spike: SE L2A Lakeview Group	123936.5555	58032.3702	238+82.05	33.09L
FD RBR/PC: NW LG2 *	123938.4496	58119.2538	239+09.76	49.28R
FD RBR/PC: NW LG1 *	123968.5217	58128.6928	239+41.28	49.33R
Fd Rbr/PC[263]: NE LG-2 Axtell Sub.	123940.2658	58295.0129	239+63.88	216.51R
Fd Rbr: SW L2A Lakeview Group	124152.7437	57824.8878	240+26.58	295.57L
FD BC[GLO]: C1 LA *	124093.6921	58081.7474	240+46.77	32.79L
FD BC: C4 *S2279	124229.4727	57951.54[illegible]	[illegible]+35.35	197.98L
FD AM[6716]: C4 LG	124170.0797	58174.736[illegible]	24[illegible].83	32.64R
Fd Rbr: NW L2A Lakeview Group	1[illegible]5379	[illegible]73.9544	[illegible]41+86.[illegible]	[illegible]97.01L
FD BC[GLO]: C2 LA *	1[illegible]906	5[illegible].6969	[illegible]+80.77	[illegible]9.87L

RECOVERED CORNERS - SHEET 13

MONUMENT TYPE: LOCATION	NORTHING	EASTING	STATION	OFFSET
FD BC[GLO]: C1 LA	12[illegible]93.692	58081.7474	240+46.77	32.79L
FD BC: C4 *S2279	[illegible]29.4727	57951.5442	241+35.35	197.98L
FD AM[6716]: C4 LG	124170.0797	58174.7360	241+47.83	32.64R
Fd Rbr: NW L2A Lakeview Group	124310.5379	57873.9544	241+86.24	297.01L
FD AM[6716]: C1 [illegible]	124235.9523	58195.2478	242+17.14	31.32R
Fd [illegible]28]: SW L4 Lakeview	124312.9516	58055.9925	242+44.95	125.32L
Fd BC[GLO]: C3 USS 2533; C3	124174.0512	58555.8344	242+77.54	392.48R
Fd BC[GLO]: SE L2 Irvin Campbell	124240.4369	58623.4735	243+68.37	433.95R
Fd Rbr: WSW L1 Irvin Campbell	124460.9169	58291.1803	244+62.71	45.67R
FD AM[6716]:CAP : C	124488.3599	58274.6308	244+82.55	20.43R
Fd Rbr/AC[3333]: NW L1 Irvin Campbell	124518.8702	58313.1773	245+25.12	45.38R
Fd BC[GLO]: C4 USS 2533; E L	124356.0580	58741.0440	245+29.30	503.16R
FD BC[USFS]: C3 *S2	124642.3360	58466.9106	246+99.73	141.49R
Fd BC[GLO]: C3 USS 2408	124522.1130	58862.3512	247+42.33	552.60R
Fd BC[USFS]: C1 USS 2408; NW	124880.2216	58238.7026	248+30.50	161.12L
FD BC[GLO]: C2 *S24	125017.7388	58386.1529	250+19.07	75.12L

RECOVERED CORNERS - SHEET 14

MONUMENT TYPE: LOCATION	NORTHING	EASTING	STATION	OFFSET
FD ROD[BLM]: PC 20B	127178.2791	58617.2187	272+21.64	89.36L
FD BT: 12	127185.4674	58609.6039	272+28.82	97.10L
BM R-76 1964: BC [U	127348.4428	58542.7766	273+96.11	164.09L

RECOVERED CORNERS - SHEET 15

MONUMENT TYPE: LOCATION	NORTHING	EASTING	STATION	OFFSET
Fd BC[BLM]: 1/4 S6/S7 *T3N R	128421.3090	58768.8605	284+24.46	178.03R
Fd BC[BLM]: CC USS 9002|S6/S	128419.0063	58531.6822	284+90.69	48.96L

RECOVERED CORNERS - SHEET 16

MONUMENT TYPE: LOCATION	NORTHING	EASTING	STATION	OFFSET
FD AM[BLM]: C7B *S9	129616.9881	57527.0930	300+33.76	194.24L
Fd AM[4928]: C2 L1 ASLS 97-3	130285.7366	57336.0317	306+31.50	269.97L
Fd AM[4928]: C1 L1 ASLS 97-3	130287.0467	57511.4093	306+39.59	94.82L

RECOVERED CORNERS - SHEET 17

MONUMENT TYPE: LOCATION	NORTHING	EASTING	STATION	OFFSET
FD AM[BLM]: C8B *S[illegible]	[illegible]436.2902	57602.1026	328+03.11	35.07R

RECOVERED CORNERS - SHEET 18

MONUMENT TYPE: LOCATION	NORTHING	EASTING	STATION	OFFSET
[illegible] S-76 196[illegible] [U	[illegible]3628.6698	57294.8067	340+16.70	145.40L
[illegible] [illegible]GS 9002|S31/	[illegible]688.4827	57387.8789	340+69.04	48.43L

RECOVERED CORNERS - SHEET 20

MONUMENT TYPE: LOCATION	NORTHING	EASTING	STATION	OFFSET
FD AM[BLM]: GEO STA	138668.1807	55966.4235		
FD BC[GLO]: C1 *S22	138936.6381	55633.7732		
FD BC[BLM]: *S2238|	138955.3651	56153.3293		
FD AM[BLM]: S25|S30	138956.4117	56263.6604		
FD RBR/PC: NE L2 *S	139308.4845	56053.6182		
FD BC[BLM]: C4 L4 *	139164.0458	56161.3870		
FD BC[BLM]: *S3143|	139237.6382	56260.8684		
FD BC[GLO]: C2 *S22	139330.6859	55873.4742		
FD POST[BLM]: C1 L4	139428.1234	55964.9537		
FD RBR: C1 L4 *S314	139428.1168	55964.3599		
FD BC[GLO]: C4 L1*S	139257.6841	55635.9714		
FD ROD: CC *S2238	138950.2634	55641.4701		
FD ROD: C3 *S9002	138948.9183	55594.9183		
FD AM[BLM]: POT R 9	137907.6966	56653.8368	384+32.48	44.93L
BM T-76 1964: BC [U	138528.4237	56306.0160	391+50.96	101.85L
FD AM[BLM]: C4 *S22	138613.2726	56329.0179	392+15.40	41.24L

STATE OF ALASKA
49TH
I, ROBERT M. KEINER
NO. LS-11547
REGISTERED PROFESSIONAL LAND SURVEYOR

DEPARTMENT LOCATIONS
SURVEYOR'S CERTIFICATE

DATE	REVISIONS	BY

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
RIGHT-OF-WAY ACQUISITION PLAT
ALASKA PROJECT
311032/Z536100000
SEWARD HIGHWAY M.P. 17-22.5 REHABILITATION

DRAWN	AFF	DATE	12/03/2020	SCALE	SCALE
CHECKED	EPF	DATE		SHEET	22 OF 23

SET MONUMENTS AND SOURCE DOCUMENTS

PROJECT DESIGNATION	SHEET NUMBER	TOTAL SHEETS
311032/Z536100000	R23	R23

PROJECT CENTERLINE MONUMENTS SET THIS SURVEY

POINT NO.	ALIGN. GEOMETRY	SHEET NO.	STATION	NORTHING	EASTING	MONUMENT TYPE
3135	PC	17, 18		133451.9582	57456.8644	SCL
3095	PC	5, 6	114+89.12	113043.3299	56690.8016	SCL
3096	PC	6	128+04.96	114086.2912	57415.5539	SCL
3097	PC	6, 7	136+37.03	114488.2613	58144.0864	SCL
3098	PT	7, 8	167+55.48	117170.2712	59150.7002	SCL
3099	PC	8	170+00.92	117400.9586	59066.8835	SCL
3100	PT	8	172+76.52	117665.0949	58988.8490	SCL
3101	PC	8	178+53.58	118227.4831	58859.5295	SCL
3102	PT	8	186+03.88	118970.8681	58768.5265	SCL
3103	PC	8	187+65.92	119132.8850	58765.6741	SCL
3104	PT	8, 9	193+65.48	119717.3534	58647.6287	SCL
3105	PC	9	196+02.93	119937.7810	58559.3377	SCL
3106	PT	9	201+92.99	120513.6585	58448.2065	SCL
3107	PC	9, 10	205+48.60	120869.2710	58448.1025	SCL
3108	PT	10	213+26.89	121580.0279	58175.9514	SCL
3109	PC	10	216+60.00	121828.0143	57953.5447	SCL
3111	PT	11	227+60.91	122856.5030	57729.7971	SCL
3112	PC	12, 13	240+60.16	124096.7033	58117.0372	SCL
3113	PT	13	247+01.22	124698.5633	58337.0665	SCL
3114	PC	13	249+00.88	124882.5945	58414.5114	SCL
3115	PT	13, 14	255+04.28	125465.8394	58559.4763	SCL
3116	PI	14	262+50.00	126208.6161	58625.6805	SCL
3117	PC	14	268+15.38	126771.1483	58682.3192	SCL
3118	PT	14, 15	277+89.97	127744.1912	58685.1296	SCL
3119	PC	15	281+31.69	128084.3933	58652.8602	SCL
3120	PT	15	291+99.54	129031.9607	58207.8799	SCL
3121	PC	15, 16	294+76.07	129227.8677	58012.7151	SCL
3122	PT	16	308+00.93	130442.8931	57623.0602	SCL
3123	PC	16	311+08.34	130746.2335	57672.8944	SCL
3124	PT	16, 17	316+76.75	131312.7049	57688.47	SCL
3125	POT	17	319+80.62	131614.8059	57655.764	SCL
3126	POT	17	331+44.32	132771	.5077	SCL
3127	PT	18	344+66.01	13 .3065	57 .0898	SCL
3128	PC	18	349	134 .1237	57 .8055	SCL
3129	PT	18	+96.16	1349 9885	445.4140	SCL
3130	PC	18	357+01.66	13532 2	57 983	SCL
3131	PT	18, 19	362+61.55	135873 30	57409	SCL
3132	PC	19, 20	382	137709.	56774.5341	SCL
3133	PT	20	+73.26	138770.5	56287.4897	SCL

EXISTING RIGHT OF WAY - SOURCE DOCUMENTS

THE EXISTING SEWARD HIGHWAY RIGHT OF WAY CORRIDORS DEPICTED HEREIN WERE DETERMINED FROM THE FOLLOWING PLANS AND DOCUMENTS

SHEET	DOCUMENT
5	CNF
6	CNF
7	CNF, USS 9002
8	CNF, USS 9002
9	CNF, USS 2534, USS 9002
10	CNF, USS 2533, USS 2534
11	CNF, PLAT 2011-16, PLAT 2011-6, PLAT 98-1 REMAIN
12	CNF, LOT A-USS 2531-PLAT 2010-3, USS 31, USS 253 LOT G-USS 25 PLAT 87-02, USS 2533
13	CNF, PLAT 2008-18, PLA 5, USS 227 USS USS 9002
14	CNF. USS 90
15	S0A, USS 002
16	A, 9733 SS 90
17	S USS 90
18	CNF S0A, USS 9002
19	CNF, SS 9002
20	CNF, USS 9002, USS 2238

NOTE:

1. REFERENCE IN THE TABLE . . .

STATE OF ALASKA
49TH
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DRAWN	AFF	DATE	12/03/2020	SCALE	SCALE
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W:\Projects\Highways\SEWARD_HIGHWAYS\53610 Seward Hwy MP 17-22.5 Rehab\AutoCAD\53610-Seward Hwy 17-22.5 Acq Plat 12/3/2020 11:46:18 AM