

# STATE OF ALASKA

## DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

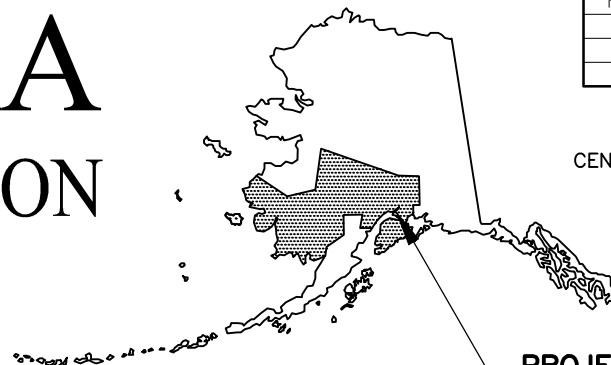
### PROPOSED HIGHWAY PROJECT

# GLENN HWY: AIRPORT HEIGHTS TO PARKS HWY REHABILITATION

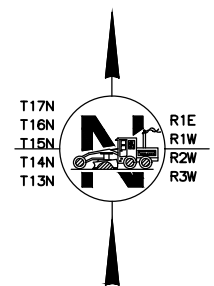
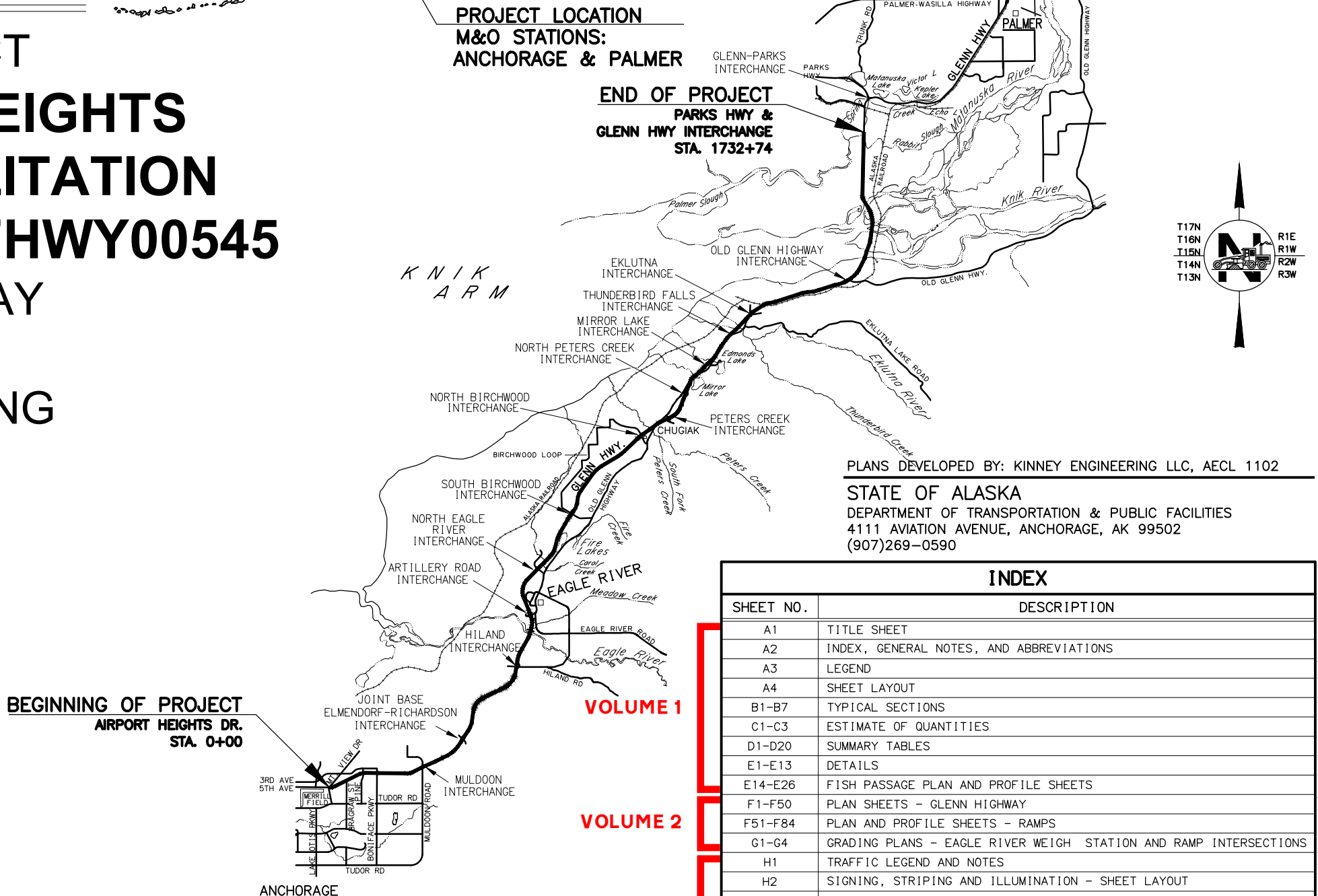
## PROJECT NO. 0001656/CFHWY00545

### GRADING, DRAINAGE, PATHWAY ILLUMINATION, PLANING, PAVING, SIGNING, AND STRIPING

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 0A16056/CFHWY01033	2024	A1	314
ROUTE ID			135000	MILEPOINT	0.00 - 32.83		
LATITUDE			61.379	LONGITUDE	-149.524		



PIH  
9/3/2024



PLANS DEVELOPED BY: KINNEY ENGINEERING LLC, AECL 1102

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
4111 AVIATION AVENUE, ANCHORAGE, AK 99502  
(907)269-0590

SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2	INDEX, GENERAL NOTES, AND ABBREVIATIONS
A3	LEGEND
A4	SHEET LAYOUT
B1-B7	TYPICAL SECTIONS
C1-C3	ESTIMATE OF QUANTITIES
D1-D20	SUMMARY TABLES
E1-E13	DETAILS
E14-E26	FISH PASSAGE PLAN AND PROFILE SHEETS
F1-F50	PLAN SHEETS - GLENN HIGHWAY
F51-F84	PLAN AND PROFILE SHEETS - RAMPS
G1-G4	GRADING PLANS - EAGLE RIVER WEIGH STATION AND RAMP INTERSECTIONS
H1	TRAFFIC LEGEND AND NOTES
H2	SIGNING, STRIPING AND ILLUMINATION - SHEET LAYOUT
H3-H4	STRIPING DETAILS
H5-H6	SIGN DETAILS
H7-H14	LIGHTING DETAILS
H15-H17	LIGHTING SUMMARIES
H23-H72	SIGNING, STRIPING, AND ILLUMINATION
H73-H91	SIGNING, STRIPING, AND ILLUMINATION - RAMPS
H92-H94	SIGNING, STRIPING, AND ILLUMINATION - RAMP INTERSECTIONS
H95-H100	SIGN SUMMARIES
J1-J7	TRAFFIC CONTROL
K1-K11	ATR, RWIS, AND WIM PLANS AND DETAILS
N1-N51	BRIDGE SHEETS

DESIGN DESIGNATIONS			
ROADWAY	FUNCTIONAL CLASS	AADT (2019)	POSTED SPEED (MPH)
GLENN HIGHWAY MP 0.000 (AIRPORT HEIGHTS DR.)	INTERSTATE	49,423	55
GLENN HIGHWAY MP 0.663 (BRAGAW ST. INTERCHANGE)	INTERSTATE	55,818	65
GLENN HIGHWAY MP 1.708 (BONIFACE PKWY. INTERCHANGE)	INTERSTATE	67,082	65
GLENN HIGHWAY MP 2.373 (TURPIN RD. RAMPS)	INTERSTATE	66,091	65
GLENN HIGHWAY MP 3.236 (MULDOON RD. INTERCHANGE)	INTERSTATE	68,088	65
GLENN HIGHWAY MP 4.827 (ARCTIC VALLEY RD RAMPS)	INTERSTATE	64,953	65
GLENN HIGHWAY MP 6.323 (FORT RICHARDSON GATE INTERCHANGE)	INTERSTATE	61,458	65
GLENN HIGHWAY MP 10.324 (HILAND RD. INTERCHANGE)	INTERSTATE	48,287	65
GLENN HIGHWAY MP 12.111 (ARTILLERY RD. INTERCHANGE)	INTERSTATE	41,078	65
GLENN HIGHWAY MP 13.965 (N. EAGLE RIVER INTERCHANGE)	INTERSTATE	44,800	65
GLENN HIGHWAY MP 15.965 (S. BIRCHWOOD LP. INTERCHANGE)	INTERSTATE	40,806	65
GLENN HIGHWAY MP 19.4 (N. BIRCHWOOD LP. INTERCHANGE)	INTERSTATE	37,525	65
GLENN HIGHWAY MP 20.382 (PETERS CREEK INTERCHANGE)	INTERSTATE	36,070	65
GLENN HIGHWAY MP 21.418 (MIRROR LAKE RAMPS)	INTERSTATE	35,218	65
GLENN HIGHWAY MP 24.723 (EKLUTNA INTERCHANGE)	INTERSTATE	33,422	65
GLENN HIGHWAY MP 28.236 (OLD GLENN HIGHWAY INTERCHANGE)	INTERSTATE	30,127	65
GLENN HIGHWAY MP 33.077 (GLENN-PARKS INTERCHANGE)	INTERSTATE		65

PROJECT SUMMARY		
ROADWAY	WIDTH	LENGTH
GLENN HIGHWAY NB MP 0 - MP 12.64	54 - 55 FEET	12.64 MILES
GLENN HIGHWAY NB MP 12.64 - MP 32.83	36 - 40 FEET	20.19 MILES
GLENN HIGHWAY SB MP 0 - MP 12.07	54 - 55 FEET	12.07 MILES
GLENN HIGHWAY SB MP 12.07 - MP 32.83	36 - 38 FEET	12.76 MILES

MILEPOINT VALUES BASED ON GLENN HIGHWAY NB

**VOLUME 1 OF 4**

**PRELIMINARY**

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	A2	A4

**GENERAL NOTES:**

- ALL CONSTRUCTION SHALL BE CONTAINED WITHIN THE RIGHT-OF-WAY. NO EXCESS MATERIAL SHALL BE DISPOSED OF WITHIN THE RIGHT-OF-WAY, UNLESS SPECIFICALLY CALLED FOR IN THE PLANS OR DIRECTED BY THE ENGINEER.
- THE RIGHT-OF-WAY LINES SHOWN WERE TAKEN FROM ALASKA DOT&PF PROJECT (OLD PROJECT NAME AND NO.) AND WERE INSERTED INTO THE PLANS USING A COMMON COORDINATE SYSTEM. THE LOCATION OF THE RIGHT-OF-WAY LINES HAVE NOT BEEN SURVEYED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION OF, AND STAY WITHIN, THE RIGHT-OF-WAY.
- THE EXISTING INFORMATION SHOWN IN THE PLANS IS FROM AS-BUILTS AND HAS BEEN PARTIALLY FIELD VERIFIED. FIELD CONDITIONS MAY NOT BE ACCURATELY REPRESENTED AND/OR MAY HAVE CHANGED. ADJUST INSTALLATIONS AS DIRECTED BY THE ENGINEER.
- THE STATIONING FOR THIS PROJECT IS APPROXIMATE. STATIONING IS INTENDED TO PROVIDE GENERAL GUIDANCE FOR LOCATING PROJECT FEATURES. SPECIFIC INSTALLATION MAY REQUIRE FIELD ADJUSTMENT.
- CLEARING LIMITS SHALL BE 5 FEET BEYOND SLOPE CATCH POINTS OR 2 FEET INSIDE THE RIGHT-OF-WAY LINE, WHICHEVER IS LESS. IN WETLAND AREAS, DO NOT CLEAR BEYOND THE SLOPE STAKE CATCH POINT UNLESS OTHERWISE SHOWN ON THE PLANS.
- MATCH EXISTING SUPERELEVATIONS AND TRANSITIONS.
- MAINTAIN EXISTING BRIDGE CLEARANCES BENEATH OVERPASSES.
- ALL PAVEMENT CUTS SHALL BE MADE WITH A SAW OR ALTERNATE METHOD APPROVED BY THE ENGINEER.
- ADJUST END OF PROJECT PAVING LIMITS AS NECESSARY TO MATCH PROJECT NO. TBD LIMITS.
- APPLY STE-1 TACK COAT TO PLANED PAVEMENT AND EXISTING CONCRETE EDGES OF WEIGH-IN-MOTION CONCRETE SLAB EXCEPT AS OTHERWISE NOTED.
- ADJUST ALL PAVEMENT PENETRATIONS TO FINAL GRADE PRIOR TO TOP LIFT OF PAVING.  
  
IF ANY PAVEMENT PENETRATION REQUIRES GRADE ADJUSTMENT AFTER FINAL LIFT PAVING, AS DETERMINED BY THE ENGINEER, SAW CUT A NEAT LINE ALONG THE PAVEMENT TO BE REMOVED. USE AN INFRARED HEATER TO HEAT THE EXISTING PAVEMENT; EQUIPMENT AND MAXIMUM TEMPERATURE SHALL BE APPROVED BY THE ENGINEER. REPLACE THE REMOVED ASPHALT WITH NEW HOT MIX ASPHALT AND THOROUGHLY COMPACT. SEAL JOINTS, AT LEAST 12 INCHES WIDE CENTERED ON JOINT, USING ASPHALT SYSTEMS GSB-88, OR APPROVED EQUAL, WHILE THE HOT MIX ASPHALT IS CLEAN, FREE OF MOISTURE AND PRIOR TO STRIPING.  
  
THERE SHALL BE NO PAYMENT FOR ADDITIONAL WORK CAUSED BY FAILURE TO ADJUST PAVEMENT PENETRATIONS TO FINAL GRADE.
- AS-BUILT EXISTING HIGHWAY STRIPING PRIOR TO CONSTRUCTION AND SUBMIT THE STRIPING AS-BUILTS TO THE ENGINEER 15 DAYS PRIOR TO ANY CONSTRUCTION ACTIVITY. FINAL STRIPING SHALL CORRESPOND TO THE AS-BUILT STRIPING, OR AS DIRECTED BY THE ENGINEER, EXCEPT WITHIN THE RECONSTRUCTED HIGHWAY RAMPS. FOLLOW THE STRIPING PLAN FOR THE RECONSTRUCTED HIGHWAY RAMPS.
- FOR ALL FINAL PAVEMENT MARKINGS, USE METHYLMETHACRYLATE MATERIALS. LONGITUDINAL AND TRANSVERSE SYMBOL MARKINGS SHALL BE INLAID AT 250 MILS. INTERCHANGE RAMPS SHALL BE SURFACE APPLIED AT 60 MILS.
- FOR PARALLEL GUARDRAIL TERMINALS, USE AN END OFFSET OF 2 FEET.
- FURNISH AND INSTALL GUARDRAIL FLEXIBLE DELINEATORS ON GUARDRAIL AND BRIDGE RAIL POSTS AS SHOWN ON STANDARD PLAN G-00. DELINEATORS INSTALLED ON END TERMINAL POSTS MUST MEET MANUFACTURER'S RECOMMENDATIONS.
- PLACE 4" TOPSOIL AND SEED ON ANY AREAS DISTURBED BY CONSTRUCTION AND AS DIRECTED BY THE ENGINEER.

**ABBREVIATIONS:**

4WD AADT AASHTO	FOUR-WHEEL DRIVE AVERAGE ANNUAL DAILY TRAFFIC AMERICAN ASSOCIATION OF STATE HIGHWAY TRANSPORTATION OFFICIALS AMERICANS WITH DISABILITIES ACT ALUMINUM APPROXIMATE AMERICAN SOCIETY FOR TESTING AND MATERIALS AUTOMATED TRAFFIC RECORDER AUTHORIZATION AUXILIARY AVENUE BEGINNING OF PROJECT BACK OF SIDEWALK OR PATHWAY CURB AND GUTTER CERTIFICATION CUBIC FOOT CENTERLINE $\mathcal{C}$ CONTINUED CORRUGATED METAL PIPE CRITICAL PATH METHOD CORRUGATED STEEL PIPE COURT CUBIC YARD DIAMETER DUCTILE IRON PIPE ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DRIVE EASTING/EAST EACH ELEVATION END OF PROJECT EXISTING GAUGE GALLON GLOBAL POSITIONING SYSTEM FOOT / FEET HIGH DENSITY POLYETHYLENE HOT MIX ASPHALT HORSEPOWER IN ACCORDANCE WITH JUNCTION BOX LENGTH OF CURVE POUND / POUNDS LINEAR FOOT LANE LOCATION LEFT LIGHT TRUCK/SPORT UTILITY VEHICLE MAINTENANCE AND OPERATIONS MAXIMUM MINIMUM	MISC MMA MPH N / N/A NB NCHRP	MISCELLANEOUS METHYL METHACRYLATE MILES PER HOUR NORTHING/NORTH NOT APPLICABLE NORTHBOUND NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM NOT IN CONTRACT NOT TO SCALE ON CENTER OUTER DIAMETER OFFSET POINT OF CURVATURE PERFORATED CORRUGATED HDPE PIPE PEDESTRIAN POINT OF INTERSECTION PLACE POUNDS PER SQUARE INCH POINT OF TANGENCY POINT OF VERTICAL INTERSECTION POLYVINYL CHLORIDE RADIUS ROAD REQUIRED RIGID METAL CONDUIT RIGHT-OF-WAY LOCATION RIGHT REMOVE AND REPLACE ROADWAY WEATHER INFORMATION SYSTEM SCHEDULE SQUARE FOOT SHOULDER / SPECIFICATIONS SQUARE SATURATED-SURFACE-DRY STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION STORM SEWER MANHOLE STREET STATION STORM WATER POLLUTION PREVENTION PLAN SQUARE YARD TANGENT TEMPORARY CONSTRUCTION EASEMENT TEMPORARY CONSTRUCTION PERMIT TERMINAL TRANSITION TELEVISION TYPICAL UNLESS NOTED OTHERWISE UNDERGROUND TELEVISION WEST WEIGH IN MOTION WELDED WIRE FABRIC
ADA AL APPROX ASTM ATR AUTH AUX AVE BOP BSW C&G CERT CF CL or $\mathcal{C}$ CONT CMP CPM CSP CT CY D DIP DOT&PF		NIC NTS O.C. O.D. OFF PC PCHP PED PI PL PSI PT PVI PVC R RD REQ'D RMC ROW OR R/W RT R&R RWIS SCH SF SHLD SPECS SQ SSD SSHC	
DR E / EA ELEV EOP / EX GA GAL GPM GPS FT / HDPE HMA HP I.A.W. J-BOX L LB / LBS LF LN LT LT/SUV M&O MAX MIN		SSMH ST STA. SWPPP	
		SY T TCE TCP TERM TRANS TV TYP U.N.O. UTV W WIM W.W.F.	

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N1-N51	BRIDGE SHEETS

**THE FOLLOWING CENTRAL REGION STANDARD DETAILS APPLY TO THIS PROJECT:**

CR-T-01.20, CR-T-04.10  
 IN THE EVENT OF CONFLICT, CENTRAL REGION STANDARD DETAILS SUPERSEDE ALASKA STANDARD PLANS, STANDARD MODIFICATIONS, AND STANDARD SPECIFICATIONS. PLANS AND SPECIAL PROVISIONS SUPERSEDE CENTRAL REGION STANDARD DETAILS.


**THE FOLLOWING ALASKA STANDARD PLANS APPLY TO THIS PROJECT:**

C-04.12, C-05.20,  
 D-01.02, D-04.22, D-06.10, D-20.05, D-22.01, D-23.01, D-24.00, D-25.00,  
 D-26.04, D-30.11, D-31.01, D-43.12, D-44.12, D-45.12,  
 G-00.05, G-05.11S, G-05.11W, G-11.01, G-14.01, G-20.12, G-29.00,  
 I-81.00,  
 L-24.10, L-26.10, L-30.11,  
 S-00.12, S-05.02, S-23.00, S-30.05, S-31.02, S-32.02, S-52.01,  
 T-05.10, T-20.04, T-21.04, T-22.04, T-25.10

**SPECIFICATION:**

CONSTRUCT THE IMPROVEMENTS COVERED BY THESE PLANS IN ACCORDANCE WITH THE ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES 2020 STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE PROJECT SPECIAL PROVISIONS.

**PRELIMINARY**

 <b>9/5/2024</b>	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  <b>GLENN HWY:          AIRPORT HEIGHTS TO PARKS HWY          REHABILITATION</b>  <b>INDEX, GENERAL NOTES,          AND ABBREVIATIONS</b>
PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 ANCHORAGE, AK 99503 (907) 346-2373 CERT. OF AUTH. NO. AECL 1102	

DESIGNED BY: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_ DRAFTED BY: \_\_\_\_\_  
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NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	A3	A4

### ROADWAY

	EXISTING	PROPOSED
EDGE OF PAVEMENT		
LIMIT OF CUT SLOPE & FILL SLOPE		
GRAVEL EDGE		
SIDEWALK AND PATH/TRAIL		
CONCRETE CURB & GUTTER		
CONCRETE CURB CUT		
PARALLEL CURB RAMP		
PERPENDICULAR CURB RAMP		
UNIDIRECTIONAL CURB RAMP & MID-BLOCK CURB RAMP		
DETECTABLE WARNING TILE		
BRIDGE		
TUNNEL		
GUARDRAIL		
END & PARALLEL END SECTIONS		
HIGH TENSION CABLE GUARDRAIL		
REMOVAL OF PAVEMENT		
FENCE		
STONE FENCE		
NOISE BARRIER		
JERSEY BARRIER		
RETAINING WALL		
HEADWALL & WINGWALL		
BOTTOM OF DITCH		
SPECIAL DITCH		
FLAT BOTTOM DITCH		
BERM		
RIPRAP		
BOULDER OR BOULDERS		
PRIVATE SIGN, MAILBOX		
POST, BOLLARD		

### UTILITIES

	EXISTING	PROPOSED
STORM DRAIN		
STORM DRAIN MANHOLE, CLEANOUT		
CURB INLET CATCH BASIN		
FIELD INLET CATCH BASIN		
PIPE CULVERT WITH END SECTION		
SANITARY SEWER		
SANITARY SEWER MANHOLE, CLEANOUT		
SEPTIC VENT, SEWER SERVICE CONNECTION		
WATER		
FIRE HYDRANT, VALVE OR RISER		
WELL, WATER SERVICE CONNECTION		
NATURAL GAS		
OIL OR GASOLINE PIPELINE		
TANKS (ABOVE GROUND, UNDERGROUND)		
ELECTRIC		
UTILITY POLE, POLE WITH LUMINAIRE		
GUY POLE, GUY WIRE ANCHOR		
TRANSMISSION TOWER (WOOD, STEEL)		
ELECTRIC PEDESTAL, TRANSFORMER		
ELECTRIC MANHOLE, METER		
ELECTRIC OUTLET, LANDSCAPE LIGHT		
TELEPHONE		
TELEPHONE MANHOLE, PEDESTAL		
FIBER OPTIC		
FIBER OPTIC MANHOLE		
CABLE TV		
CABLE TV PEDESTAL, SATELLITE DISH		
UNDERGROUND DUCT, UTILIDOR (ELECTRIC, TELEPHONE, FIBER OPTIC)		
VENT		

### TRAFFIC

	EXISTING	PROPOSED
LOAD CENTER		
STATE TRAFFIC, MOA TRAFFIC, & BEACON CONTROLLER		
ARROW INDICATES DOOR LOCATION		
TYPE 1A, II, III, IV JUNCTION BOX		
FIBER OPTIC VAULT		
ELECTROLIER		
HIGHTOWER		
SIGNAL POLE, WITH MAST ARM		
PEDESTRIAN PUSH BUTTON & SIGNAL		
VEHICULAR SIGNAL		
VEHICULAR SIGNAL LEFT & RIGHT		
OPTICAL, CAMERA, RADAR, AND GPS DETECTOR		
LOOP DETECTOR		
COMMUNICATION ANTENNA		
MAST ARM BEACON		
RURAL & SCHOOL ZONE BEACON		
LOOP DETECTOR CONDUIT		
SIGNAL CONDUIT		
LIGHTING CONDUIT		
SIGNAL & LIGHTING CONDUIT		
CONDUIT BORING		
CONDUIT SIZE IN INCHES		
INTERCONNECT		
SIGN POST		
DELINEATOR		

### PAVEMENT MARKINGS

	EXISTING	PROPOSED
TRAFFIC PROJECT CENTERLINE		
8" & 4" WHITE SOLID STRIPE		
4" WHITE SKIP STRIPE		
10' STRIPES AND 30' SPACES		
8" WHITE LANE GUIDE SKIP		
LANE CONTINUATION OR TURN SKIP		
1" STRIPES AND 3" SPACES		
8" & 4" YELLOW SOLID STRIPE		
4" YELLOW SKIP STRIPE		
10' STRIPES AND 30' SPACES		
STRIPING CHANGE STATION INTERVAL		
2' CROSSWALK OR STOPBAR		
LADDER CROSSWALK LAYOUT		
2" WIDE RUNGS WITH 2" SPACES		
ALIGNED TO AVOID TIRE PATHS		
TYPICAL PAINTED MEDIAN		

### RIGHT-OF-WAY

	RECOVERED	SET THIS PROJECT
FEDERAL GOV'T SURVEY MONUMENT		
GOV'T CONTROL STATION		
PRIMARY MONUMENT (BRASS/AL CAP)		
MISC SECONDARY CORNER		
PRIMARY CENTERLINE MONUMENT		
SECONDARY CENTERLINE MONUMENT		
RANDOM CONTROL MONUMENT		
PRIMARY GPS CONTROL POINT		
HORIZONTAL CONTROL POINT		
SECONDARY CONTROL POINT		
VERTICAL BENCHMARK		
TEMPORARY BENCHMARK		
TOWNSHIP AND RANGE LINES		
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		
EXISTING UTILITY EASEMENT		
PROPOSED UTILITY EASEMENT		
EXISTING CENTERLINE		
RAILROAD CENTERLINE		
TEMPORARY CONSTRUCTION EASEMENT		
TEMPORARY CONSTRUCTION PERMIT		

### TOPOGRAPHY

	EXISTING	PROPOSED
LAKE OR POND, WETLANDS		
TREE (CONIFER/DECIDUOUS)		
TREELINE (EDGE OF VEGETATION)		
PLANTER		
BUILDING OR FOUNDATION		
CONTOUR, MAJOR OR MINOR		
DRAINAGE FLOW		
CREEK (CENTERLINE)		
RIVER (EDGE OF WATER)		

PIH

9/4/2024

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CERT. OF AUTH. NO. AECL 1102

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES

**GLENN HWY:  
AIRPORT HEIGHTS TO PARKS HWY  
REHABILITATION**

LEGEND



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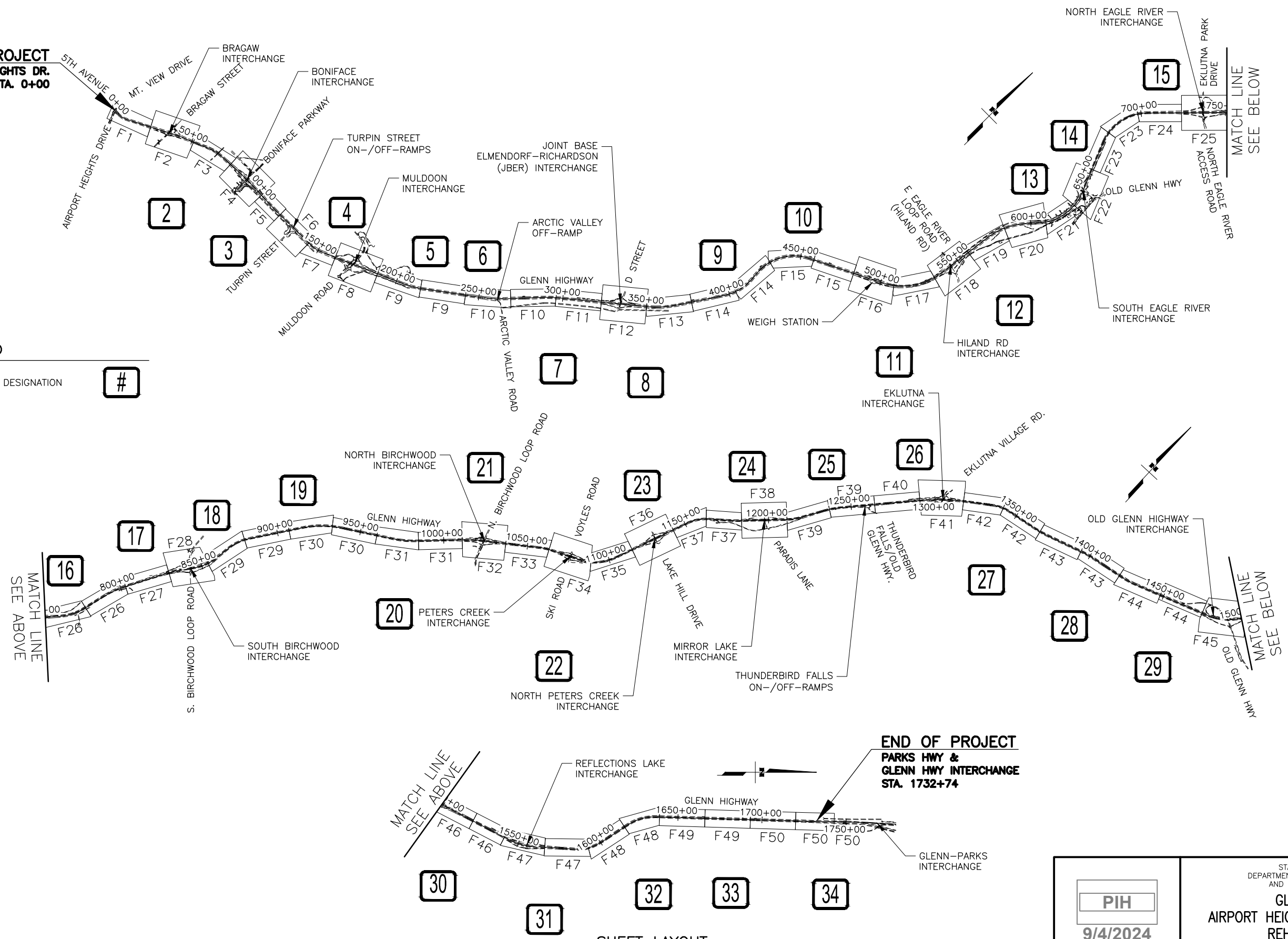
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**BEGINNING OF PROJECT**  
 AIRPORT HEIGHTS DR.  
 STA. 0+00

**END OF PROJECT**  
 PARKS HWY &  
 GLENN HWY INTERCHANGE  
 STA. 1732+74


**LEGEND**

MILEPOST DESIGNATION #



**SHEET LAYOUT**  
 GLENN HIGHWAY

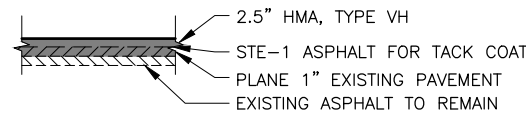
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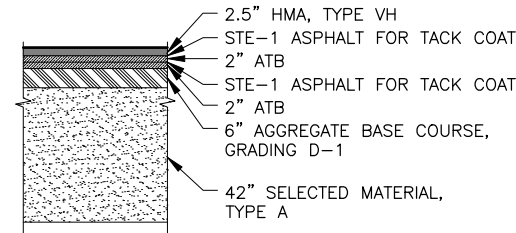
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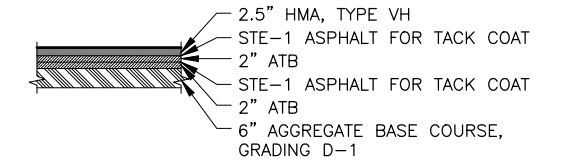
**LEGEND**

HMA, TYPE VH  
 ASPHALT PLANING

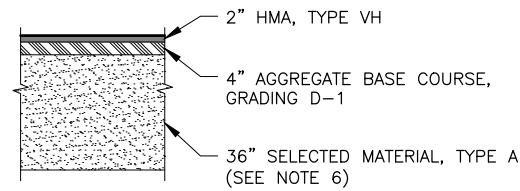
**PAVEMENT STRUCTURAL SECTION NO. 1**



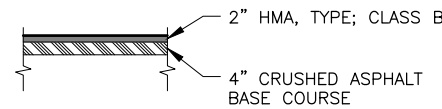
**PAVEMENT STRUCTURAL SECTION NO. 2**



**PAVEMENT STRUCTURAL SECTION NO. 3**



**PAVEMENT STRUCTURAL SECTION NO. 4**



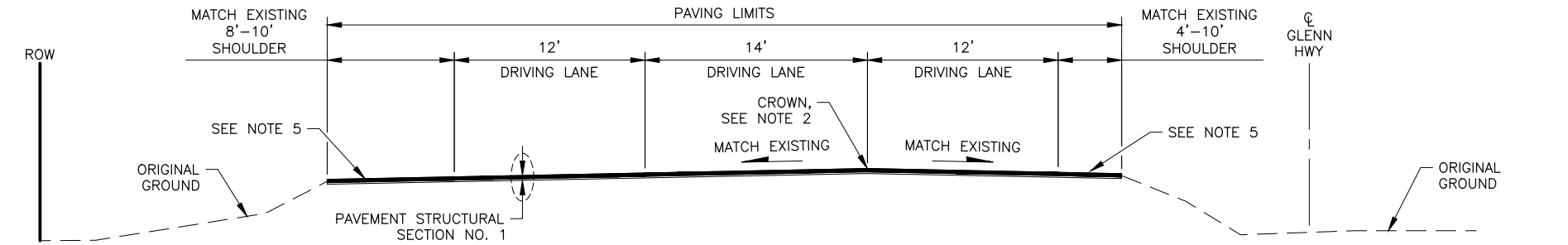
**PAVEMENT STRUCTURAL SECTION NO. 5**

**PRELIMINARY**

 <b>9/5/2024</b> <small>PLANS DEVELOPED BY:          KINNEY ENGINEERING, LLC          3909 Arctic Blvd, Suite 400          ANCHORAGE, AK 99503          (907) 346-2373          CERT. OF AUTH. NO. AECL 1102</small>	<small>STATE OF ALASKA          DEPARTMENT OF TRANSPORTATION          AND PUBLIC FACILITIES</small> <b>GLENN HWY:          AIRPORT HEIGHTS TO PARKS HWY          REHABILITATION</b> <b>STRUCTURAL          TYPICAL SECTIONS</b>
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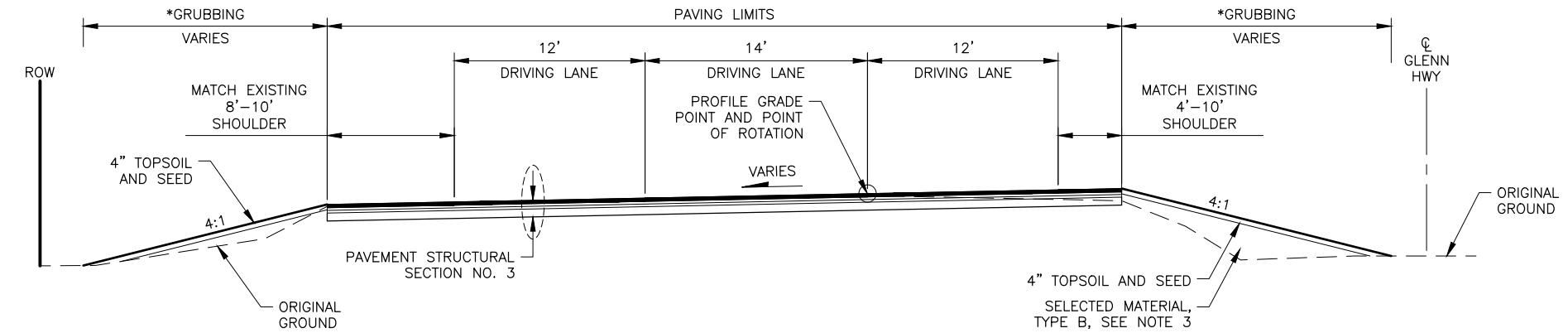
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	B2	B7

DESIGNED BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 DRAFTED BY: \_\_\_\_\_  
 SCALE: 1" = 1'  
 DATE: 9/5/2024 11:00 AM  
 TIME: \_\_\_\_\_  
 DRAWING LOCATION: Z:\PROJECTS\009777 GLENN HWY AIRPORT HTS TO PARKS\DWGS\C\SHEETS\00945\_B1-B7\_TYP-SECT.DWG



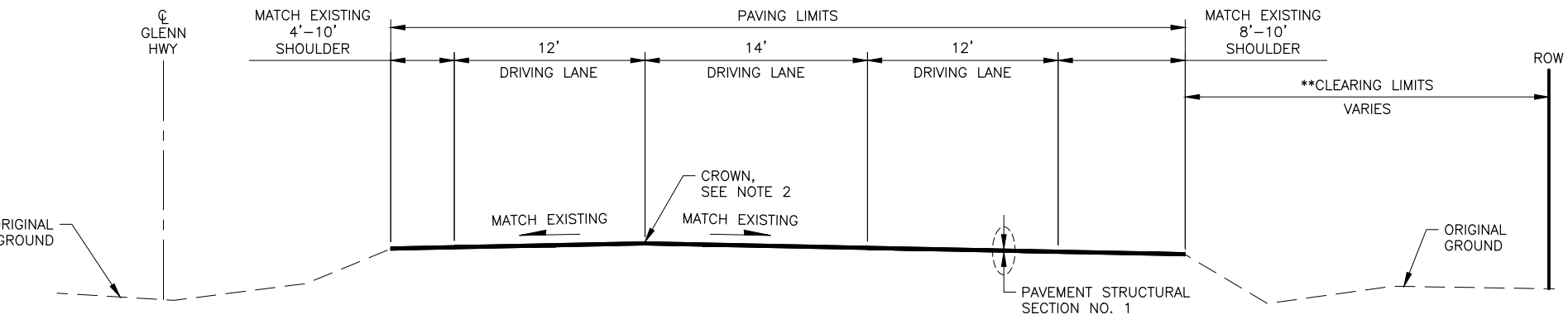
**SOUTHBOUND GLENN HIGHWAY**

STA. "G1" 3+04 TO STA. "G1" 141+50  
 STA. "G1" 155+00 TO STA. "G1" 635+43



**SOUTHBOUND GLENN HIGHWAY**

STA. "G1" 141+50 TO STA. "G1" 155+00



**NORTHBOUND GLENN HIGHWAY**

STA. "G1" 1+86 TO STA. "G1" 671+41

\*\* CLEAR TO ROW BETWEEN BOP AND STA. "G1" 23+00

**GENERAL NOTES:**

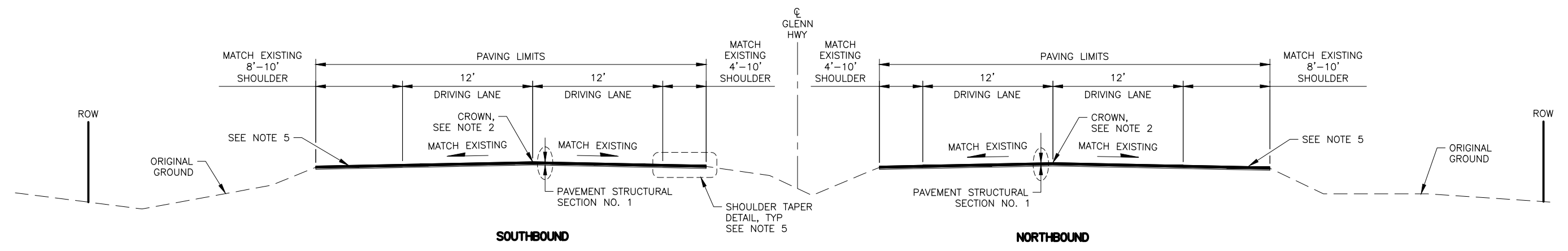
1. ROW WIDTHS VARY THROUGHOUT.
2. THE PROFILE GRADE POINT AND POINT OF ROTATION IS ABOUT THE EXISTING CROWN.
3. WHERE REQUIRED, PLACE AND COMPACT SELECTED MATERIAL, TYPE B OR USABLE EXCAVATION TO SHAPE FORESLOPES.
4. PLACE 4" TOPSOIL AND SEED ON ALL CUT AND FILL SLOPES. SLOPES SHOWN ARE MAXIMUM VALUES.
5. APPLY A SHOULDER TAPER TO ALL LOCATIONS EXCEPT RAMPS AND CROSS-OVERS. PROVIDE A 150' SMOOTH TRANSITION AT THE BEGINNING AND END OF EACH SHOULDER TAPER.
6. WHERE NEW PAVEMENT IS REQUIRED ON RAMPS USE STRUCTURAL SECTION 1 UNLESS NOTED OTHERWISE IN THE PLANS.

 <b>9/5/2024</b>	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES <b>GLENN HWY:          AIRPORT HEIGHTS TO PARKS HWY          REHABILITATION</b>  <b>TYPICAL SECTIONS</b>
<small>PLANS DEVELOPED BY:          KINNEY ENGINEERING, LLC          3909 Arctic Blvd, Suite 400          ANCHORAGE, AK 99503          (907) 346-2373          CERT. OF AUTH. NO. AECL 1102</small>	

PRELIMINARY

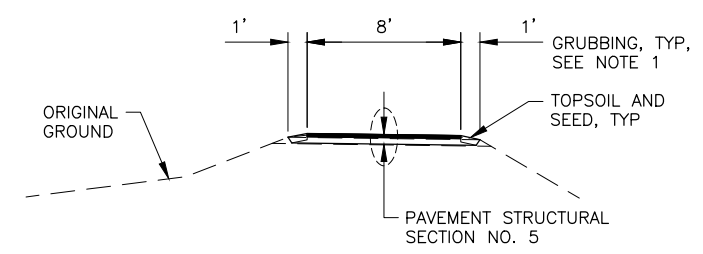
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	B3	B7

DESIGNED BY: \_\_\_\_\_  
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 DRAWING LOCATION: Z:\PROJECTS\00577 GLENN HWY AIRPORT HTS TO PARKS\DWGS\C\DWGS\00545-B1-B7\_TYP-SECT.DWG



**GLENN HIGHWAY**

SOUTHBOUND STA. "G1" 635+43 TO STA. "G1" 1732+74  
 NORTHBOUND STA. "G1" 671+41 TO STA. "G1" 1727+84



**PATHWAY TYPICAL SECTION**

**PATHWAY NOTE:**

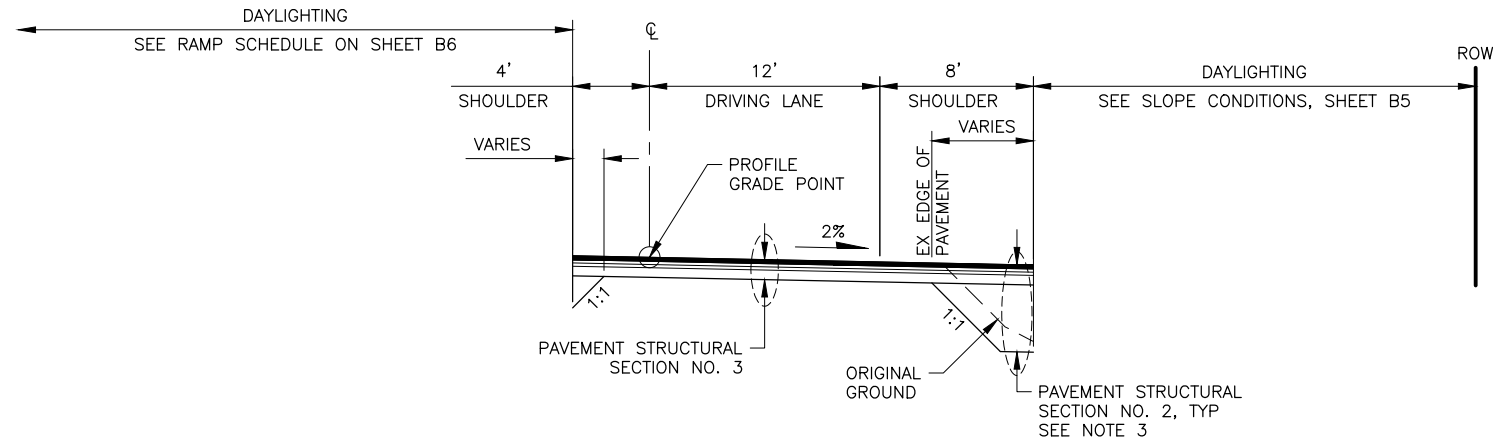
REMOVE TOPSOIL AND VEGETATION PRIOR TO PERFORMING RECLAMATION ACTIVITIES. GRUBBED MATERIAL MAY BE STORED ON-SITE AND RE-USED AS TOPSOIL AFTER FG HAS BEEN ESTABLISHED.

**PRELIMINARY**

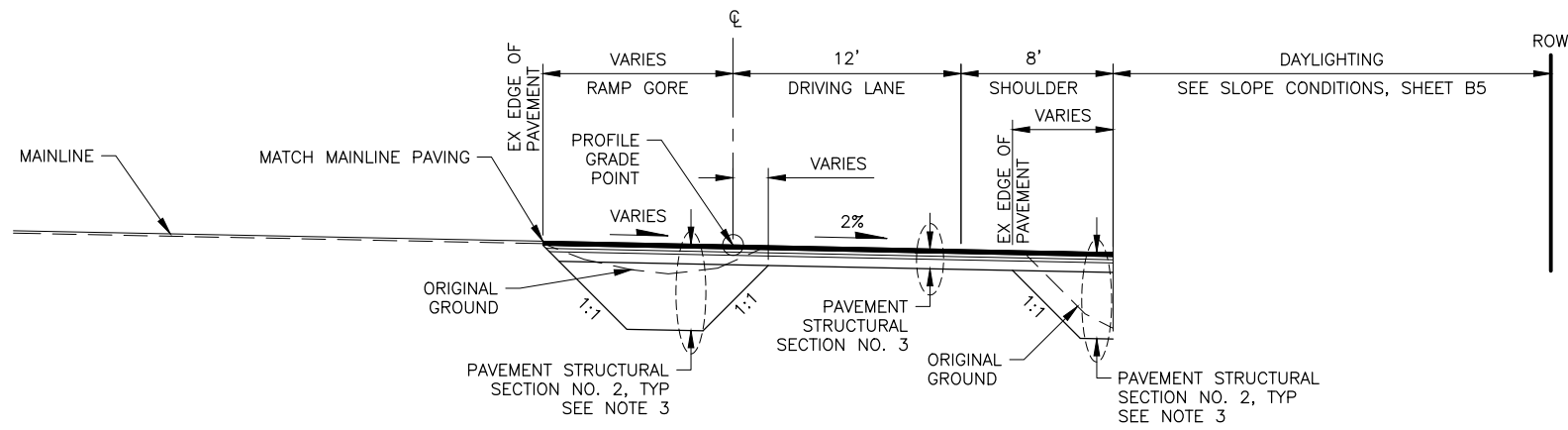
 <b>9/5/2024</b>	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES <b>GLENN HWY:          AIRPORT HEIGHTS TO PARKS HWY          REHABILITATION</b>  <b>TYPICAL SECTIONS</b>
PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 ANCHORAGE, AK 99503 (907) 346-2373 CERT. OF AUTH. NO. AECL 1102	

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	B4	B7

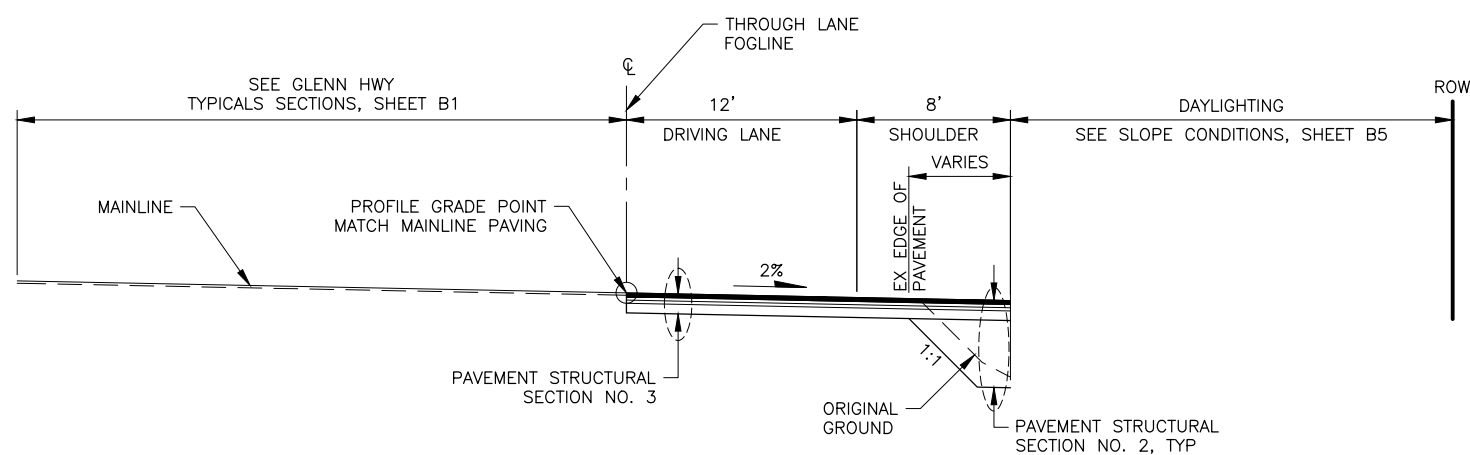
DESIGNED BY: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_ DRAFTED BY: \_\_\_\_\_  
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 DRAWING LOCATION: Z:\PROJECTS\005777 GLENN HWY AIRPORT HTS TO PARKS\DWGS\C\SHEETS\00545\_B1-B7\_TYP-SECT.DWG



**ENTRANCE RAMP TYPICAL**



**GORE WIDENING TYPICAL**




**RAMP PARALLEL ACCELERATION LANE TYPICAL**

**GENERAL NOTES:**

- WHERE REQUIRED, PLACE AND COMPACT SELECTED MATERIAL, TYPE A TO SHAPE FORESLOPES.
- PLACE 4" TOPSOIL AND SEED ON ALL CUT AND FILL SLOPES. SLOPES SHOWN ARE MAXIMUM VALUES.

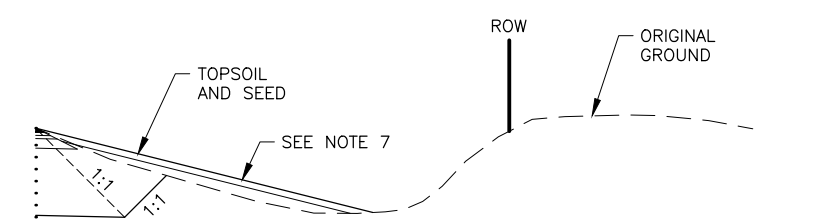
**PRELIMINARY**

 <b>9/5/2024</b>	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES <b>GLENN HWY:          AIRPORT HEIGHTS TO PARKS HWY          REHABILITATION</b>
PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 ANCHORAGE, AK 99503 (907) 346-2373 CERT. OF AUTH. NO. AECL 1102	<b>TYPICAL SECTIONS</b>

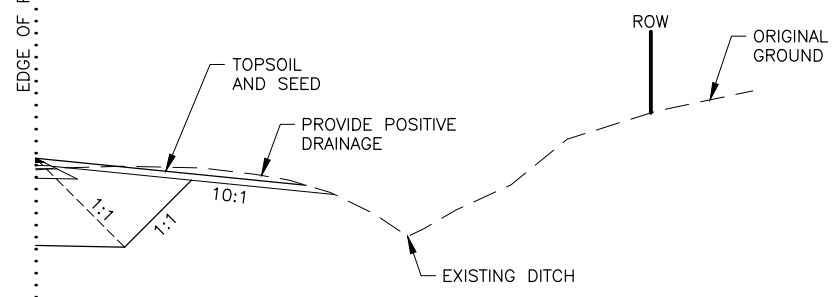


NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	B5	B7

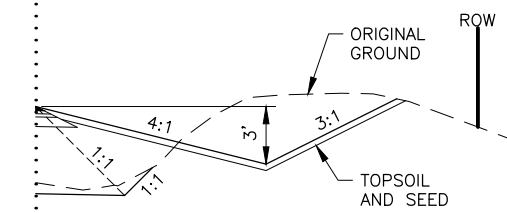
DESIGNED BY: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_ DRAFTED BY: \_\_\_\_\_  
 SCALE: 1" = 1'  
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 DRAWING LOCATION: Z:\PROJECTS\005777 GLENN HWY AIRPORT HTS TO PARKS\DWGS\C\DWGS\00545-B1-B7\_TYP-SECT.DWG



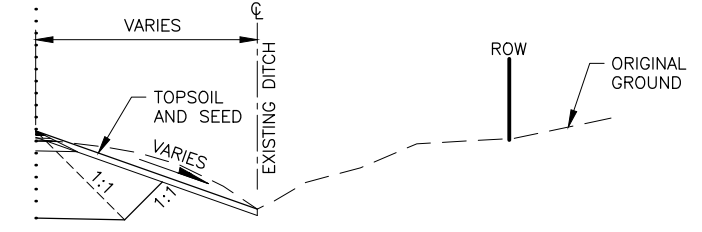
**A - FILL DAYLIGHT 1**



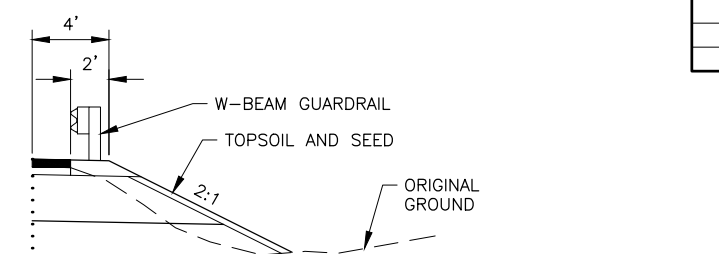
**B - FILL DAYLIGHT 2**



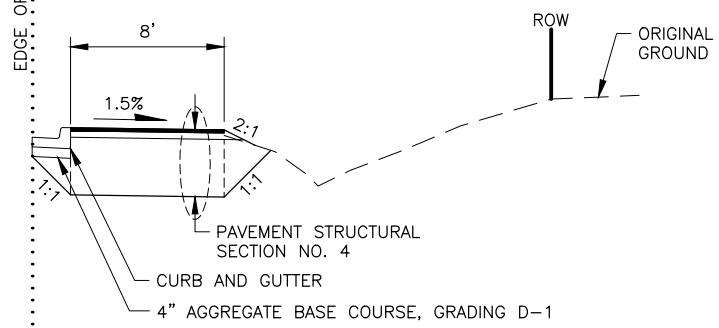
**C - DITCH DAYLIGHT 1**



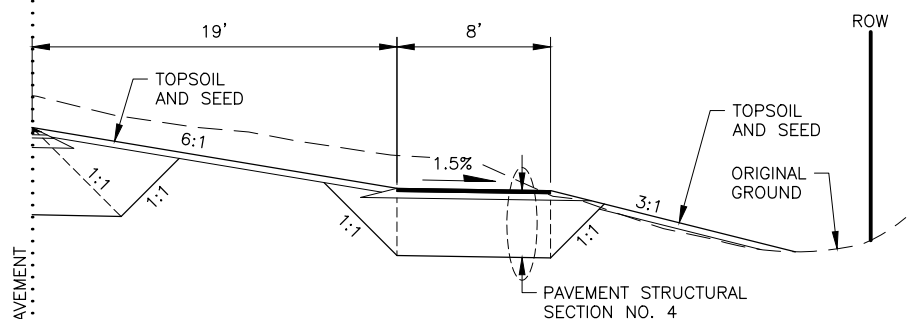
**D - DITCH DAYLIGHT 2**



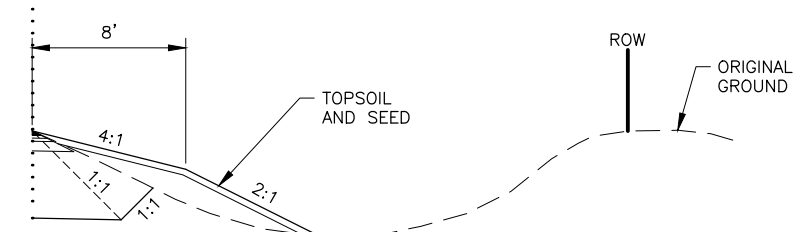
**E - GUARDRAIL DAYLIGHT**



**F - ATTACHED PATHWAY CONDITION**



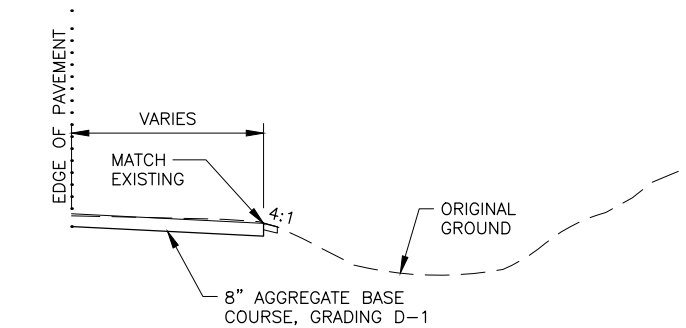
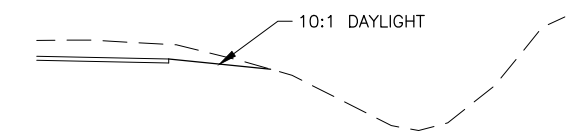
**G - PATHWAY CONDITION**



**H - BARN ROOF CONDITION**

**DAYLIGHTING NOTES:**

1. WHERE REQUIRED, PLACE AND COMPACT SELECTED MATERIAL, TYPE A TO SHAPE FORESLOPES.
2. PLACE 4" TOPSOIL AND SEED ON ALL CUT AND FILL SLOPES.
3. DO NOT CONSTRUCT PAVEMENT STRUCTURAL SECTION 2 WHEN NEW EDGE OF PAVEMENT FALLS ON EXISTING PAVEMENT AREA.
4. MIRROR SLOPE CONDITION WHEN INDICATED FOR USE ON THE OPPOSITE SIDE SHOWN.
5. WHERE EOP IS IN CUT, DAYLIGHT AT 10:1.



**PAD WIDENING DETAIL**

**SLOPE CONDITIONS**

SEE TYPICAL SECTION AND RAMP SCHEDULES

**PRELIMINARY**

 <b>9/5/2024</b> <small>PLANS DEVELOPED BY:          KINNEY ENGINEERING, LLC          3909 Arctic Blvd, Suite 400          ANCHORAGE, AK 99503          (907) 346-2373          CERT. OF AUTH. NO. AECL 1102</small>	<small>STATE OF ALASKA          DEPARTMENT OF TRANSPORTATION          AND PUBLIC FACILITIES</small> <b>GLENN HWY:          AIRPORT HEIGHTS TO PARKS HWY          REHABILITATION</b>  <b>TYPICAL SECTIONS</b>
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	B6	B7

DESIGNED BY: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_ DRAFTED BY: \_\_\_\_\_  
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 DRAWING LOCATION: Z:\PROJECTS\00977\_GLENN HWY AIRPORT HTS TO PARKS\DWGS\C\ SHEETS\00945\_B1-B7\_TYP-SECT.DWG

D STREET (JBER) - "D4", SB ON-RAMP					
BEGIN STATION	END STATION	TYPICAL SECTION	LEFT SLOPE CONDITION	RIGHT SLOPE CONDITION	REMARKS
3+97.31	6+95.38	PARALLEL ACCELERATION	A, 4:1	MATCH MAINLINE PAVING	
6+95.38	10+00.00		A, 6:1		
10+00.00	15+50.00		F		
15+50.00	18+97.23	B			
18+97.23	21+85.95	GORE WIDENING			
21+85.95	26+45.03	ENTRANCE RAMP	A, 4:1	A, 4:1	
26+45.03	29+79.96			B	

D STREET (JBER) - "D2", NB ON-RAMP					
BEGIN STATION	END STATION	TYPICAL SECTION	LEFT SLOPE CONDITION	RIGHT SLOPE CONDITION	REMARKS
0+21.61	2+29.03	ENTRANCE RAMP	B	C	
2+29.03	7+06.50		E		
7+06.50	7+50.00		B		
7+50.00	7+80.00				
7+80.00	11+48.73	GORE WIDENING		D	
11+48.73	15+75.00	PARALLEL ACCELERATION	MATCH MAINLINE PAVING		
15+75.00	27+50.00				B

N. EAGLE RIVER ACCESS ROAD - "EP4", SB ON-RAMP					
BEGIN STATION	END STATION	TYPICAL SECTION	LEFT SLOPE CONDITION	RIGHT SLOPE CONDITION	REMARKS
1+83.65	15+20.07	PARALLEL ACCELERATION	D	MATCH MAINLINE PAVING	
9+81.72	15+20.07				
15+20.07	22+83.42	GORE WIDENING		B	
22+83.42	30+15.95	ENTRANCE RAMP			
30+15.95	30+90.89		E		
30+90.89	32+39.00				
32+39.00	32+89.45		A, 4:1		

S. BIRCHWOOD LOOP ROAD - "SBL4", SB ON-RAMP					
BEGIN STATION	END STATION	TYPICAL SECTION	LEFT SLOPE CONDITION	RIGHT SLOPE CONDITION	REMARKS
1+40.66	5+25.00	PARALLEL ACCELERATION	B	MATCH MAINLINE PAVING	
5+25.00	11+45.66				
11+45.66	17+42.15	GORE WIDENING			
17+42.15	18+68.38	ENTRANCE RAMP	E	B	
18+68.38	21+43.38			E	
21+43.38	27+94.49				
27+94.49	32+33.36			B	

S. BIRCHWOOD LOOP ROAD - "SBL2", NB ON-RAMP					
BEGIN STATION	END STATION	TYPICAL SECTION	LEFT SLOPE CONDITION	RIGHT SLOPE CONDITION	REMARKS
0+25.51	1+50.00	ENTRANCE RAMP	B	MATCH EX CURB	
1+50.00	7+48.87				
7+48.87	13+98.81		A, 4:1		F
13+98.81	17+71.19			B	
17+71.19	22+10.66	GORE WIDENING	MATCH MAINLINE PAVING	D	
22+10.66	28+30.66	PARALLEL ACCELERATION			


N. BIRCHWOOD LOOP ROAD - "NBL4", SB ON-RAMP					
BEGIN STATION	END STATION	TYPICAL SECTION	LEFT SLOPE CONDITION	RIGHT SLOPE CONDITION	REMARKS
2+86.94	8+21.12	PARALLEL ACCELERATION	B	MATCH MAINLINE PAVING	
8+21.12	11+41.88		D		
11+41.88	16+39.34		B		
16+39.34	16+52.86	GORE WIDENING			
16+52.86	18+52.15	ENTRANCE RAMP	E	B	
18+52.15	19+71.57			E	
19+71.57	21+91.09			B	USE "B" BEHIND GUARDRAIL

N. BIRCHWOOD LOOP ROAD - "NBL2", NB ON-RAMP					
BEGIN STATION	END STATION	TYPICAL SECTION	LEFT SLOPE CONDITION	RIGHT SLOPE CONDITION	REMARKS
0+35.90	4+50.68	ENTRANCE RAMP	A, 4:1	D	
4+50.68	8+50.00			A, 4:1	C
8+50.00	8+75.00				
8+75.00	11+22.93	GORE WIDENING			CONTINUE "C" DITCH BEHIND GUARDRAIL
11+22.93	12+21.31	PARALLEL ACCELERATION	MATCH MAINLINE PAVING	E	CONTINUE "C" DITCH BEHIND GUARDRAIL ADJUST BACKSLOPE TO EX DITCH
12+21.31	16+65.00				

VOYLES ROAD/SKI ROAD (S. PETERS CREEK) - "S4", SB ON-RAMP					
BEGIN STATION	END STATION	TYPICAL SECTION	LEFT SLOPE CONDITION	RIGHT SLOPE CONDITION	REMARKS
2+49.11	11+66.15	PARALLEL ACCELERATION	B	MATCH MAINLINE PAVING	
11+66.15	14+72.74	GORE WIDENING			
14+72.74	21+54.69	ENTRANCE RAMP			D

VOYLES ROAD/SKI ROAD (S. PETERS CREEK) - "S2", NB ON-RAMP					
BEGIN STATION	END STATION	TYPICAL SECTION	LEFT SLOPE CONDITION	RIGHT SLOPE CONDITION	REMARKS
3+76.86	6+47.73	ENTRANCE RAMP	A, 4:1	C	
6+47.73	13+09.00				A, 4:1
13+09.00	17+54.49	GORE WIDENING			
17+54.49	20+00.00	PARALLEL ACCELERATION	MATCH MAINLINE PAVING	C	
20+00.00	23+40.50				A, 4:1

PRELIMINARY



**9/5/2024**

PLANS DEVELOPED BY:  
KINNEY ENGINEERING, LLC  
3909 Arctic Blvd, Suite 400  
ANCHORAGE, AK 99503  
(907) 346-2373  
CERT. OF AUTH. NO. AECL 1102

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES

**GLENN HWY:  
AIRPORT HEIGHTS TO PARKS HWY  
REHABILITATION**

**RAMP DAYLIGHTING SCHEDULES  
TYPICAL SECTIONS**

DESIGNED BY: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_ DRAFTED BY: \_\_\_\_\_  
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	B7	B7

LAKE HILL DRIVE (N. PETERS CREEK) - "L4", SB ON-RAMP					
BEGIN STATION	END STATION	TYPICAL SECTION	LEFT SLOPE CONDITION	RIGHT SLOPE CONDITION	REMARKS
2+79.71	12+56.57	PARALLEL ACCELERATION	B	MATCH MAINLINE PAVING	
12+56.57	15+57.73	GORE WIDENING	D		
15+57.73	22+19.78	ENTRANCE RAMP			D

LAKE HILL DRIVE (N. PETERS CREEK) - "L2", NB ON-RAMP					
BEGIN STATION	END STATION	TYPICAL SECTION	LEFT SLOPE CONDITION	RIGHT SLOPE CONDITION	REMARKS
0+20.68	4+49.34	ENTRANCE RAMP	H	H	
4+49.34	5+70.00		A, 4:1		
5+70.00	6+90.00				
6+90.00	8+76.75	GORE WIDENING	MATCH MAINLINE PAVING	A, 4:1	
8+76.75	19+26.76	PARALLEL ACCELERATION			


PARADIS LANE (MIRROR LAKE) - "P4", SB ON-RAMP					
BEGIN STATION	END STATION	TYPICAL SECTION	LEFT SLOPE CONDITION	RIGHT SLOPE CONDITION	REMARKS
2+45.99	7+20.37	PARALLEL ACCELERATION	D	MATCH MAINLINE PAVING	
7+20.37	11+22.26	GORE WIDENING	E		
11+22.26	14+32.53				
14+32.53	16+77.27	ENTRANCE RAMP	B	D	
16+77.27	21+65.73		B	B	
21+65.73	24+69.27				

EKLUTNA VILLAGE ROAD - "EV4", SB ON-RAMP					
BEGIN STATION	END STATION	TYPICAL SECTION	LEFT SLOPE CONDITION	RIGHT SLOPE CONDITION	REMARKS
1+18.69	9+32.95	PARALLEL ACCELERATION	D	MATCH MAINLINE PAVING	
9+32.95	13+09.94		B		
13+09.94	15+13.41	GORE WIDENING			
15+13.41	16+08.66		D	D	
16+08.66	21+47.38	ENTRANCE RAMP			

EKLUTNA VILLAGE ROAD - "EV2", NB ON-RAMP					
BEGIN STATION	END STATION	TYPICAL SECTION	LEFT SLOPE CONDITION	RIGHT SLOPE CONDITION	REMARKS
0+13.66	0+85.00	ENTRANCE RAMP	E	A, 4:1	
0+85.00	5+80.00		A, 4:1		
5+80.00	6+20.00	GORE WIDENING			
6+20.00	8+32.25			D	
8+20.00	13+25.00		MATCH MAINLINE PAVING		
13+25.00	16+50.00	PARALLEL ACCELERATION		A, 4:1	4:1 TO EX DITCH
16+50.00	19+59.97			E	

S. OLD GLENN HIGHWAY - "OG6A", SB ON-RAMP					
BEGIN STATION	END STATION	TYPICAL SECTION	LEFT SLOPE CONDITION	RIGHT SLOPE CONDITION	REMARKS
2+61.04	10+64.69	PARALLEL ACCELERATION	B	MATCH MAINLINE PAVING	
10+64.69	14+30.34	GORE WIDENING			
14+30.34	15+83.26	ENTRANCE RAMP	MATCH EX	MATCH EX	PAVEMENT TRANSITION

**PRELIMINARY**

 <b>9/5/2024</b>	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  <b>GLENN HWY:          AIRPORT HEIGHTS TO PARKS HWY          REHABILITATION</b>  <b>RAMP DAYLIGHTING SCHEDULES          TYPICAL SECTIONS</b>
<small>           PLANS DEVELOPED BY:            KINNEY ENGINEERING, LLC            3909 Arctic Blvd, Suite 400            ANCHORAGE, AK 99503            (907) 346-2373            CERT. OF AUTH. NO. AECL 1102         </small>	

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	C1	C3

**ESTIMATE OF QUANTITIES**


ITEM NO.	ITEM DESCRIPTION	PAY UNIT	CFHWY00545 QUANTITY	CFHWY01330 QUANTITY	TOTAL QUANTITY
201.0003.0000	CLEARING AND GRUBBING	ACRE	27		27
202.0001.0000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LUMP SUM	ALL REQ'D		ALL REQ'D
202.0002.0000	REMOVAL OF PAVEMENT	SQUARE YARD	126,204		126,204
202.0003.0000	REMOVAL OF SIDEWALK	SQUARE YARD	63		63
202.0004.0000	REMOVAL OF CULVERT PIPE	LINEAR FOOT	5,715	551	6,266
202.0006.0000	REMOVAL OF MANHOLE	EACH	1	1	2
202.0008.0000	REMOVAL OF INLET	EACH	25	5	30
202.0009.0000	REMOVAL OF CURB AND GUTTER	LINEAR FOOT	1,502		1,502
202.2016.0000	ABANDON PIPE IN PLACE, ALL DIAMETERS	LINEAR FOOT	2,226		2,226
202.2023.0000	PAVEMENT PLANING	SQUARE YARD	1,690,360		1,690,360
203.0003.0000	UNCLASSIFIED EXCAVATION	CUBIC YARD	110,155	22,732	132,887
203.0006.000A	BORROW, TYPE A	TON	121,469	129,435	250,904
203.0006.000B	BORROW, TYPE B	TON	34,096		34,096
203.2038.0000	DITCH LINEAR GRADING	STATION	18		18
206.0001.0000	FILTER BLANKET	CUBIC YARD	86		86
301.0001.00D1	AGGREGATE BASE COURSE, GRADING D-1	TON	31,352	21,213	52,565
306.0001.0000	ATB	TON	21,422	7,415	28,837
306.0002.6440	ASPHALT BINDER, GRADE PG 64-40 E	TON	1,141	393	1,534
308.0001.0000	CRUSHED ASPHALT BASE COURSE	SQUARE YARD	31,546		31,546
402.0001.STE1	STE-1 ASPHALT FOR TACK COAT	TON	5,278	203	5,481
406.0003.0000	RUMBLE STRIPS	LF	692,355		692,355
408.2001.00VH	HMA, TYPE VH	TON	253,963	9,268	263,231
408.2004.6440	ASPHALT BINDER, GRADE PG 64-40 E	TON	13,460	491	13,951
408.2014.0000	JOINT ADHESIVE	LINEAR FOOT	1,328,000		1,328,000
408.2015.0000	ASPHALT MATERIAL PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQ'D	ALL REQ'D	ALL REQ'D
408.2022.0000	COMBINED PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQ'D	ALL REQ'D	ALL REQ'D
501.0004.0000	CLASS A CONCRETE	CUBIC YARD		104	104
501.2001.0000	SPALL REPAIR	SQUARE FOOT	85		85
501.2007.0002	HEADWALL, TYPE II	EACH	9		9
507.2000.0000	STEEL BRIDGE RAILING REPLACEMENT, 2-TUBE	LINEAR FOOT	2,372		2,372
508.0001.0000	WATERPROOFING MEMBRANE, SPRAY-APPLIED	LUMP SUM	ALL REQ'D		ALL REQ'D
601.2001.0000	METAL FLUME DOWNDRAIN - INLET	EACH	8		8
602.0001.0072	STRUCTURAL PLATE PIPE 72 INCH	LINEAR FOOT	79		79
602.0001.0078	STRUCTURAL PLATE PIPE 78 INCH	LINEAR FOOT	196		196
602.0001.0084	STRUCTURAL PLATE PIPE 84 INCH	LINEAR FOOT	255		255
602.0002.0000	STRUCTURAL PLATE PIPE-ARCH 103 INCH SPAN - 71 INCH RISE	LINEAR FOOT	173		173

**TABLE OF ESTIMATING FACTORS**

ITEM NO.	ITEM DESCRIPTION	UNIT
203.0006.000A	BORROW, TYPE A	144 LB./C.F.
203.0006.000B	BORROW, TYPE B	144 LB./C.F.
301.0001.00D1	AGGREGATE BASE COURSE, GRADING D-1	144 LB./C.F.
306.0001.0000	ATB	151 LB./C.F.
306.0002.6440	ASPHALT BINDER, GRADE PG 64-40 E	5.3% OF TOTAL WEIGHT OF 306.001.0000
402.0001.STE1	STE-1 ASPHALT FOR TACK COAT	0.000344 TONS/S.Y.
408.2001.00VH	HMA, TYPE VH	151 LB./C.F.
408.2004.6440	ASPHALT BINDER, GRADE PG 64-40 E	5.3% OF TOTAL WEIGHT OF 408.2001.00VH
608.2002.0000	ASPHALT PATHWAY	151 LB./C.F.
618.0003.0000	WATER FOR SEEDING	1 GAL/S.F.

**LEGEND**  
CFHWY00545 = SCHEDULE A  
CFHWY01330 = SCHEDULE B

**PRELIMINARY**

 <b>9/3/2024</b>	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  <b>GLENN HWY:  AIRPORT HEIGHTS TO PARKS HWY  REHABILITATION</b>  ESTIMATE OF QUANTITIES
<small>PLANS DEVELOPED BY:  KINNEY ENGINEERING, LLC  3909 Arctic Blvd, Suite 400  ANCHORAGE, AK 99503  (907) 346-2373  CERT. OF AUTH. NO. AECL 1102</small>	

DESIGNED BY: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_ DRAFTED BY: \_\_\_\_\_  
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	C2	C3

**ESTIMATE OF QUANTITIES**

ITEM NO.	ITEM DESCRIPTION	PAY UNIT	CFHWY00545 QUANTITY	CFHWY01330 QUANTITY	TOTAL QUANTITY
603.0001.0012	CSP 12 INCH	LINEAR FOOT	7		7
603.0001.0018	CSP 18 INCH	LINEAR FOOT	79		79
603.0001.0024	CSP 24 INCH	LINEAR FOOT	2,135	711	2,846
603.0001.0030	CSP 30 INCH	LINEAR FOOT	22		22
603.0001.0036	CSP 36 INCH	LINEAR FOOT	717		717
603.0001.0048	CSP 48 INCH	LINEAR FOOT	20		20
603.0003.0018	END SECTION FOR CSP 18 INCH	EACH	15		15
603.0003.0024	END SECTION FOR CSP 24 INCH	EACH	108	1	109
603.0003.0036	END SECTION FOR CSP 36 INCH	EACH	3		3
603.2001.0096	DRIVEN PIPE 96 INCH	LINEAR FOOT	1,194		1,194
603.2001.0108	DRIVEN PIPE 108 INCH	LINEAR FOOT	374		374
603.2032.0018	CORRUGATED HDPE PIPE 18 INCH	LINEAR FOOT	50		50
603.2032.0024	CORRUGATED HDPE PIPE 24 INCH	LINEAR FOOT	1,324	6,672	7,996
603.2032.0030	CORRUGATED HDPE PIPE 30 INCH	LINEAR FOOT	45		45
603.2032.0036	CORRUGATED HDPE PIPE 36 INCH	LINEAR FOOT	1,354	100	1,454
603.2033.0018	END SECTION FOR CORRUGATED HDPE PIPE 18 INCH	EACH	4		4
603.2033.0024	END SECTION FOR CORRUGATED HDPE PIPE 24 INCH	EACH	7	4	11
603.2033.0030	END SECTION FOR CORRUGATED HDPE PIPE 30 INCH	EACH	2		2
603.2033.0036	END SECTION FOR CORRUGATED HDPE PIPE 36 INCH	EACH	10	1	11
603.2037.0024	END SECTION FOR CSP 24 INCH - SAFETY BARS	EACH	20		20
603.2037.0036	END SECTION FOR CSP 36 INCH - SAFETY BARS	EACH	9		9
604.0001.0001	STORM SEWER MANHOLE, TYPE I	EACH	5	3	8
604.0001.0003	STORM SEWER MANHOLE, TYPE III	EACH		1	1
604.0003.0000	RECONSTRUCT EXISTING MANHOLE	EACH	23		23
604.0004.0000	ADJUST EXISTING MANHOLE	EACH	5		5
604.0005.000A	INLET, TYPE A	EACH	12	23	35
604.0005.000C	INLET, TYPE C	EACH	23	8	31
604.0005.000D	INLET, TYPE D	EACH	17	4	21
604.0005.000E	INLET, TYPE E	EACH	4		4
604.0005.000F	INLET, TYPE F	EACH	3	23	26
604.0010.0000	RECONSTRUCT INLET	EACH	6		6
604.0013.0000	REPLACE INLET GRATE	EACH	1		1
604.2011.0000	OIL AND GRIT SEPARATOR	EACH	1		1
604.2015.0000	CLEAN DRAINAGE SYSTEM - STRUCTURES	EACH	178		178
604.2016.0000	CLEAN DRAINAGE SYSTEM - PIPES	LINEAR FOOT	36,892		36,892
606.0001.0000	W-BEAM GUARDRAIL	LINEAR FOOT	8,619		8,619
606.0006.0000	REMOVING AND DISPOSING OF GUARDRAIL	LINEAR FOOT	6,489		6,489
606.0008.0000	DOUBLE-FACED, W-BEAM GUARDRAIL	LINEAR FOOT	351		351
606.0013.0000	PARALLEL GUARDRAIL TERMINAL	EACH	32		32
606.0016.0000	TRANSITION RAIL	EACH	36		36
606.2007.000B	CRASH CUSHION, PERMANENT REUSABLE	EACH		56	56
606.2012.0000	BATTER BOARD	LINEAR FOOT	2,384		2,384
607.0003.0000	CHAIN LINK FENCE	LINEAR FOOT	151		151
607.0004.0000	RECONSTRUCTED FENCE	LINEAR FOOT	2,249		2,249
608.0001.0004	CONCRETE SIDEWALK, 4 INCHES THICK	SQUARE YARD	123		123
608.0006.0000	CURB RAMP	EACH	3		3
608.2002.0000	ASPHALT PATHWAY	TON	3,720		3,720
608.2017.0000	DETECTABLE WARNING TILE	EACH	3		3

LEGEND  
CFHWY00545 = SCHEDULE A  
CFHWY01330 = SCHEDULE B

**PRELIMINARY**



PLANS DEVELOPED BY:  
KINNEY ENGINEERING, LLC  
3909 Arctic Blvd, Suite 400  
ANCHORAGE, AK 99503  
(907) 346-2373  
CERT. OF AUTH. NO. AECL 1102

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
**GLENN HWY:  
AIRPORT HEIGHTS TO PARKS HWY  
REHABILITATION**

**ESTIMATE OF QUANTITIES**

DESIGNED BY: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_ DRAFTED BY: \_\_\_\_\_  
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	C3	C3

**ESTIMATE OF QUANTITIES**

ITEM NO.	ITEM DESCRIPTION	PAY UNIT	CFHWY00545 QUANTITY	CFHWY01330 QUANTITY	TOTAL QUANTITY
609.0002.0001	CURB AND GUTTER, TYPE 1	LINEAR FOOT	913		913
610.0001.0000	DITCH LINING	CUBIC YARD	40		40
611.0001.0001	RIPRAP, CLASS I	CUBIC YARD	173		173
611.0001.0002	RIPRAP, CLASS II	CUBIC YARD	200		200
614.0001.0000	CONCRETE BARRIERS, SHAPE F	LINEAR FOOT		12,525	12,525
615.0001.0000	STANDARD SIGN	SQUARE FOOT	743.00	630.00	1,373.00
615.0004.0000	DELINEATOR, RIGID	EACH	75		75
615.0006.0000	SALVAGE SIGN	EACH	97		97
615.2001.0000	REMOVE AND RELOCATE DELINEATOR	EACH	294		294
618.0002.0000	SEEDING	POUND	1,948	44	1,992
618.0003.0000	WATER FOR SEEDING	M GALLON	1,012	22	1,034
620.0001.0000	TOPSOIL	SQUARE YARD	111,654	2,460	114,114
631.0002.0001	GEOTEXTILE, EROSION CONTROL, CLASS 1	SQUARE YARD	2,360		2,360
640.0001.0000	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQ'D	ALL REQ'D	ALL REQ'D
641.0001.0000	EROSION, SEDIMENT AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQ'D	ALL REQ'D	ALL REQ'D
641.0005.0000	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL BY DIRECTIVE	CONTINGENT SUM	ALL REQ'D	ALL REQ'D	ALL REQ'D
641.0006.0000	WITHHOLDING	CONTINGENT SUM	ALL REQ'D	ALL REQ'D	ALL REQ'D
641.0007.0000	SWPPP MANAGER	LUMP SUM	ALL REQ'D	ALL REQ'D	ALL REQ'D
641.0008.0000	SWPPPTRACK	CONTINGENT SUM	ALL REQ'D	ALL REQ'D	ALL REQ'D
642.0001.0000	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQ'D	ALL REQ'D	ALL REQ'D
642.0003.0000	THREE PERSON SURVEY PARTY	LABOR HOUR	1,120	480	1,600
642.0010.0000	MONUMENT CASE	EACH	68		68
643.0002.0000	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQ'D	ALL REQ'D	ALL REQ'D
643.0003.0000	PERMANENT CONSTRUCTION SIGNS	LUMP SUM	ALL REQ'D	ALL REQ'D	ALL REQ'D
643.0023.0000	TRAFFIC PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQ'D	ALL REQ'D	ALL REQ'D
643.0025.0000	TRAFFIC CONTROL	CONTINGENT SUM	ALL REQ'D	ALL REQ'D	ALL REQ'D
643.0032.0000	FLAGGING	CONTINGENT SUM	ALL REQ'D	ALL REQ'D	ALL REQ'D
643.0033.0000	DETOUR	LUMP SUM	ALL REQ'D		ALL REQ'D
644.0001.0000	FIELD OFFICE	LUMP SUM	ALL REQ'D	ALL REQ'D	ALL REQ'D
645.0001.0000	TRAINING PROGRAM, 1 TRAINEES / APPRENTICES	LABOR HOUR	500		500
646.0001.0000	CPM SCHEDULING	LUMP SUM	ALL REQ'D	ALL REQ'D	ALL REQ'D
647.2000.0000	WIDE PAD DOZER, 65-HP MINIMUM	CONTINGENT SUM	ALL REQ'D	ALL REQ'D	ALL REQ'D
647.2002.0000	BACKHOE, 4WD, 1 CY BUCKET, 75-HP MINIMUM, 15 FT DEPTH	CONTINGENT SUM	ALL REQ'D	ALL REQ'D	ALL REQ'D


**ESTIMATE OF QUANTITIES**

ITEM NO.	ITEM DESCRIPTION	PAY UNIT	CFHWY00545 QUANTITY	CFHWY01330 QUANTITY	TOTAL QUANTITY
656.2001.0024	CURED-IN-PLACE PIPE 24 INCH	LINEAR FOOT	2,791		2,791
656.2001.0048	CURED-IN-PLACE PIPE 48 INCH	LINEAR FOOT	393		393
656.2004.0000	CURED-IN-PLACE PIPE - HOST PIPE PREPARATION	LINEAR FOOT	3,184		3,184
656.2005.0000	CURED-IN-PLACE PIPE - HOST PIPE SPOT REPAIR	CONTINGENT SUM	ALL REQ'D		ALL REQ'D
660.0003.0000	HIGHWAY LIGHTING SYSTEM COMPLETE, JBER SB	LUMP SUM	ALL REQ'D		ALL REQ'D
660.0003.0000	HIGHWAY LIGHTING SYSTEM COMPLETE, JBER NB	LUMP SUM	ALL REQ'D		ALL REQ'D
660.0003.0000	HIGHWAY LIGHTING SYSTEM COMPLETE, S BIRCHWOOD SB	LUMP SUM	ALL REQ'D		ALL REQ'D
660.0003.0000	HIGHWAY LIGHTING SYSTEM COMPLETE, N BIRCHWOOD SB	LUMP SUM	ALL REQ'D		ALL REQ'D
660.0003.0000	HIGHWAY LIGHTING SYSTEM COMPLETE, N BIRCHWOOD NB	LUMP SUM	ALL REQ'D		ALL REQ'D
660.0003.0000	HIGHWAY LIGHTING SYSTEM COMPLETE, S PETERS CREEK SB	LUMP SUM	ALL REQ'D		ALL REQ'D
660.0003.0000	HIGHWAY LIGHTING SYSTEM COMPLETE, N PETERS CREEK NB	LUMP SUM	ALL REQ'D		ALL REQ'D
660.0003.0000	HIGHWAY LIGHTING SYSTEM COMPLETE, MIRROR LAKE SB	LUMP SUM	ALL REQ'D		ALL REQ'D
660.2016.0000	ELECTRICAL ILLUMINATION MODIFICATION	LUMP SUM	ALL REQ'D		ALL REQ'D
661.0004.0000	LOAD CENTER, TYPE 3	EACH	1		1
669.2003.0000	AUTOMATED TRAFFIC RECORDER W4	LUMP SUM	ALL REQ'D		ALL REQ'D
669.2003.0000	AUTOMATED TRAFFIC RECORDER W5	LUMP SUM	ALL REQ'D		ALL REQ'D
669.2003.0000	AUTOMATED TRAFFIC RECORDER W7	LUMP SUM	ALL REQ'D		ALL REQ'D
669.2003.0000	AUTOMATED TRAFFIC RECORDER W8	LUMP SUM	ALL REQ'D		ALL REQ'D
669.2003.0000	AUTOMATED TRAFFIC RECORDER H2	LUMP SUM	ALL REQ'D		ALL REQ'D
670.2000.0000	MMA PAVEMENT MARKINGS	LUMP SUM	ALL REQ'D		ALL REQ'D
682.2000.0000	VAC-TRUCK POTHOLE	CONTINGENT SUM	ALL REQ'D	ALL REQ'D	ALL REQ'D
690.2001.0000	WATERWAY BED FILL	LINEAR FOOT	3,688		3,688
690.2003.0000	WATERWAY BANK REVEGETATION AND PROTECTION	LINEAR FOOT	1,416		1,416

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**LEGEND**  
 CFHWY00545 = SCHEDULE A  
 CFHWY01330 = SCHEDULE B

**PRELIMINARY**

 <b>9/3/2024</b>	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  <b>GLENN HWY:          AIRPORT HEIGHTS TO PARKS HWY          REHABILITATION</b>  <b>ESTIMATE OF QUANTITIES</b>
<small>PLANS DEVELOPED BY:          KINNEY ENGINEERING, LLC          3909 Arctic Blvd, Suite 400          ANCHORAGE, AK 99503          (907) 346-2373          CERT. OF AUTH. NO. AECL 1102</small>	

# FOR REVIEW ONLY

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	D0	D20

## EARTHWORK SUMMARY - SCHEDULE A

SHEET	STATION		ESTIMATED EXCAVATION			ESTIMATED EMBANKMENT			REMARKS
			UNCLASSIFIED EXCAVATION (CY)	WASTE (CY)	UNCLASSIFIED EXCAVATION (USABLE) (CY)	SELECTED MATERIAL, TYPE B (CY)	SELECTED MATERIAL TYPE A (CY)	TOTAL EMBANKMENT (CY)	
	FROM	TO							
F5 TO F6	"G1" 141+50	"G1" 155+00	1,600	800	800		37	37	SOUTHBOUND MULDOON CURVE
F51 & F52	"D4" 0+00	"D4" 30+50.000	4,830	2,415	2,415	961	2,404	3,365	JBER SOUTHBOUND ONRAMP
F53 & F54	"D2" 0+00	"D2" 27+50.000	5,474	2,737	2,737	427	1,915	2,342	JBER NORTHBOUND ONRAMP
F56 TO F58	"EP4" 0+00	"EP4" 33+00.000	7,530	3,765	3,765	1,279	3,085	4,365	NORTH EAGLE RIVER ONRAMP
F59 TO F61	"SBL4" 0+00	"SBL4" 32+34.050	11,441	5,721	5,721	1,625	6,572	8,197	SOUTH BIRCHWOOD SOUTHBOUND ONRAMP
F62 TO F64	"SBL2" 0+00	"SBL2" 28+30.660	5,355	2,678	2,678	663	2,146	2,809	SOUTH BIRCHWOOD NORTHBOUND ONRAMP
F65 & F66	"NBL4" 0+00	"NBL4" 22+14.327	4,424	2,212	2,212	618	1,659	2,277	NORTH BIRCHWOOD SOUTHBOUND ONRAMP
F67 & F68	"NBL2" 000	"NBL2" 16+65.000	2,938	1,469	1,469	116	402	519	NORTH BIRCHWOOD NORTHBOUND ONRAMP
F69 & F70	"S4" 0+00	"S4" 21+65.249	5,877	2,939	2,939	1,297	2,744	4,041	SOUTH PETERS CREEK SOUTHBOUND ONRAMP
F71 & F72	"S2" 0+00	"S2" 23+10.480	3,574	1,787	1,787	510	900	1,410	SOUTH PETERS CREEK NORTHBOUND ONRAMP
F73 & F74	"L4" 0+00	"L4" 22+35.000	4,692	2,346	2,346	1,033	2,308	3,342	NORTH PETERS CREEK SOUTHBOUND ONRAMP
F75 & F76	"L2" 0+00	"L2" 19+26.760	2,673	1,337	1,337	4,223	767	4,990	NORTH PETERS CREEK NORTHBOUND ONRAMP
F77 & F78	"P4" 0+00	"P4" 25+50.000	5,855	2,928	2,928	1,876	4,517	6,393	MIRROR LAKE SOUTHBOUND ONRAMP
F79 & F80	"EV4" 0+00	"EV4" 21+65.960	4,396	2,198	2,198	450	2,276	2,726	EKLUTNA SOUTHBOUND ONRAMP
F81 & F82	"EV2" 0+00	"EV2" 19+50.000	2,976	1,488	1,488	466	1,024	1,490	EKLUTNA NORTHBOUND ONRAMP
F83 & F84	"OG6A" 0+00	"OG6A" 14+33.260	2,731	1,366	1,366	397	1,306	1,703	OLD GLENN SOUTHBOUND ONRAMP
	"G1" 101+29	"G1" 1021+22	931	466	466		945	945	PATHWAY(S)
			22,844	11,422	11,422		21,798	21,798	H&H CULVERTS
SUBTOTAL (CY)			100,141	50,071	50,071	15,944	56,804	72,749	
ITEM NUMBER			203.0003.0000			203.0006.000B	203.0006.000A		
TOTAL PAY ITEM QUANTITY (CY)			100,141			15,944	56,804	72,749	
TOTAL PAY ITEM QUANTITY + 10% (CY)			110,155			17,539	62,484	80,024	
ESTIMATING FACTOR			-			144LB/CF	144LB/CF		
TOTAL PAY ITEM QUANTITY			110,155			34,096	121,469		

**NOTES:**

- WASTE = 0.5 x UNCLASSIFIED EXCAVATION
- UNCLASSIFIED EXCAVATION (USABLE) = UNCLASSIFIED EXCAVATION - WASTE
- TOTAL EMBANKMENT = TYPE C + SELECTED MATERIAL, TYPE B + SELECTED MATERIAL, TYPE A

THIS SHEET WILL BE REMOVED FOR ADVERTISEMENT UNLESS THE CONSTRUCTION PROJECT MANAGER REQUIRES IT. IF IT'S REQUIRED, THE SHEET NUMBER WILL BECOME **D1**.

**PRELIMINARY**

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES

**GLENN HWY:  
AIRPORT HEIGHTS TO PARKS HWY  
REHABILITATION**

SUMMARY TABLES

**PIH**

**9/4/2024**

PLANS DEVELOPED BY:  
KINNEY ENGINEERING, LLC  
3909 Arctic Blvd, Suite 400  
ANCHORAGE, AK 99503  
(907) 346-2373  
CERT. OF AUTH. NO. AECL 1102

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# FOR REVIEW ONLY

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	D00	D20

## EARTHWORK SUMMARY - SCHEDULE B


SHEET	STATION		ESTIMATED EXCAVATION			ESTIMATED EMBANKMENT			REMARKS
			UNCLASSIFIED EXCAVATION (CY)	WASTE (CY)	UNCLASSIFIED EXCAVATION (USABLE) (CY)	BORROW, TYPE B (CY)	BORROW, TYPE A (CY)	TOTAL EMBANKMENT (CY)	
	FROM	TO							
F1	"G1" 10+83	"G1" 16+62	387	194	194		2,070	2,070	MP 1, CROSSOVER
F3	"G1" 53+93	"G1" 59+67	283	142	142		2,041	2,041	MP 2, CROSSOVER
F3	"G1" 69+77	"G1" 74+67	578	289	289		1,797	1,797	MP 2.5, CROSSOVER
F5/6	"G1" 115+32	"G1" 120+67	434	217	217		1,962	1,962	MP 3, CROSSOVER
F7	"G1" 153+24	"G1" 158+34	433	217	217		2,040	2,040	MP 4, CROSSOVER
F9	"G1" 198+54	"G1" 203+46	556	278	278		1,851	1,851	MP 4.5, CROSSOVER
F10	"G1" 248+75	"G1" 253+44	588	294	294		1,924	1,924	MP 6, CROSSOVER
F10	"G1" 266+14	"G1" 270+67	1,004	502	502		1,866	1,866	MP 7, CROSSOVER
F11	"G1" 308+50	"G1" 313+47	715	358	358		1,878	1,878	MP 7.5, CROSSOVER
F13	"G1" 369+94	"G1" 375+11	739	370	370		2,011	2,011	MP 8, CROSSOVER
F15	"G1" 477+76	"G1" 482+99	504	252	252		2,266	2,266	MP 10.5, CROSSOVER
F18	"G1" 534+43	"G1" 538+84	803	402	402		1,768	1,768	MP 11.5, CROSSOVER
F18/19	"G1" 557+14	"G1" 561+92	372	186	186		2,667	2,667	MP 12, CROSSOVER
F21/22	"G1" 625+90	"G1" 630+07	309	155	155		1,575	1,575	MP 13.5, CROSSOVER
F22	"G1" 644+34	"G1" 649+39	589	295	295		2,357	2,357	MP 14, CROSSOVER
F24	"G1" 709+81	"G1" 714+18	323	162	162		1,408	1,408	MP 15, CROSSOVER
F26	"G1" 753+69	"G1" 758+29	310	155	155		1,789	1,789	MP 15.5, CROSSOVER
F27	"G1" 806+17	"G1" 811+50	1,175	588	588		2,132	2,132	MP 17, CROSSOVER
F29	"G1" 894+74	"G1" 900+00	1,198	599	599		2,221	2,221	MP 18, CROSSOVER
F31	"G1" 992+84	"G1" 998+36	977	489	489		2,294	2,294	MP 20.5, CROSSOVER
F33	"G1" 1049+07	"G1" 1054+93	1,017	509	509		2,409	2,409	MP 21.5, CROSSOVER
F35	"G1" 1105+29	"G1" 1111+15	533	267	267		2,344	2,344	MP 22.5, CROSSOVER
F37	"G1" 1144+26	"G1" 1150+12	960	480	480		2,409	2,409	MP 23, CROSSOVER
F37	"G1" 1168+07	"G1" 1173+93	993	497	497		2,279	2,279	MP 23.5, CROSSOVER
F39	"G1" 1224+57	"G1" 1230+43	1,253	627	627		2,344	2,344	MP 25, CROSSOVER
F40	"G1" 1275+57	"G1" 1281+43	1,045	523	523		2,344	2,344	MP 26, CROSSOVER
F42	"G1" 1319+57	"G1" 1325+43	1,329	665	665		2,344	2,344	MP 26.5, CROSSOVER
F44	"G1" 1443+68	"G1" 1450+32	1,258	629	629		4,138	4,138	MP 29, CROSSOVER
SUBTOTAL (CY)			20,665	10,333	10,333		60,528	60,528	
ITEM NUMBER			203.0003.0000			203.0006.000B	203.0006.000A		
TOTAL PAY ITEM QUANTITY (CY)			20,665				60,528	60,528	
TOTAL PAY ITEM QUANTITY + 10% (CY)			22,732				66,581	66,581	
ESTIMATING FACTOR			-			144LB/CF	144LB/CF		
TOTAL PAY ITEM QUANTITY			22,732				129,435		

### NOTES:

1. WASTE = 0.5 x UNCLASSIFIED EXCAVATION
2. UNCLASSIFIED EXCAVATION (USABLE) = UNCLASSIFIED EXCAVATION - WASTE
3. TOTAL EMBANKMENT = TYPE C + SELECTED MATERIAL, TYPE B + SELECTED MATERIAL, TYPE A

THIS SHEET WILL BE REMOVED FOR ADVERTISEMENT UNLESS THE CONSTRUCTION PROJECT MANAGER REQUIRES IT. IF IT'S REQUIRED, THE SHEET NUMBER WILL BECOME **D1**.

**PRELIMINARY**

 <b>9/4/2024</b>	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  <b>GLENN HWY:                  AIRPORT HEIGHTS TO PARKS HWY                  REHABILITATION</b>  SUMMARY TABLES
PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 ANCHORAGE, AK 99503 (907) 346-2373 CERT. OF AUTH. NO. AECL 1102	

DESIGNED BY: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_ DRAFTED BY: \_\_\_\_\_  
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	D1	D20

**REMOVAL OF STRUCTURES AND OBSTRUCTIONS - 202.0001.0000**

SHEET	START STA	OFFSET	END STA	OFFSET	REMARKS
	0+62	114 LT	N/A	N/A	FLARED END SECTION
	2+52	85 RT	N/A	N/A	FLARED END SECTION
	25+67	88 LT	N/A	N/A	FLARED END SECTION
	74+11	88 LT	N/A	N/A	FLARED END SECTION
	79+11	100 LT	N/A	N/A	FLARED END SECTION
	94+60	88 LT	N/A	N/A	FLARED END SECTION
	98+61	115 RT	N/A	N/A	FLARED END SECTION
	125+11	7 RT	N/A	N/A	FLARED END SECTION
	125+13	90 RT	N/A	N/A	FLARED END SECTION
	128+74	201 RT	N/A	N/A	FLARED END SECTION
	129+36	157 RT	N/A	N/A	FLARED END SECTION
	130+33	263 RT	N/A	N/A	FLARED END SECTION
	130+89	297 RT	N/A	N/A	FLARED END SECTION
	140+34	82 RT	N/A	N/A	FLARED END SECTION
	140+35	4 RT	N/A	N/A	FLARED END SECTION
	149+65	98 RT	N/A	N/A	FLARED END SECTION
	149+66	7 RT	N/A	N/A	FLARED END SECTION
	193+98	91 LT	N/A	N/A	FLARED END SECTION
	227+28	92 RT	N/A	N/A	FLARED END SECTION
	227+31	132 LT	N/A	N/A	FLARED END SECTION
	240+54	103 RT	N/A	N/A	FLARED END SECTION
	261+59	129 LT	N/A	N/A	FLARED END SECTION
	261+61	153 RT	N/A	N/A	FLARED END SECTION
	261+92	108 RT	N/A	N/A	FLARED END SECTION
	262+93	134 LT	N/A	N/A	FLARED END SECTION
	265+01	87 RT	N/A	N/A	FLARED END SECTION
	276+75	131 LT	N/A	N/A	FLARED END SECTION
	276+82	97 RT	N/A	N/A	FLARED END SECTION
	294+99	8 RT	N/A	N/A	FLARED END SECTION
	294+99	90 RT	N/A	N/A	FLARED END SECTION
	312+57	109 LT	N/A	N/A	FLARED END SECTION
	312+62	132 LT	N/A	N/A	FLARED END SECTION
	325+46	142 RT	N/A	N/A	FLARED END SECTION
	325+49	92 RT	N/A	N/A	FLARED END SECTION
	334+75	113 RT	N/A	N/A	FLARED END SECTION
	337+97	5 RT	N/A	N/A	FLARED END SECTION
	337+99	88 RT	N/A	N/A	SAFETY GRATE
	338+78	99 LT	N/A	N/A	FLARED END SECTION
	339+32	236 LT	N/A	N/A	FLARED END SECTION
	342+88	142 LT	N/A	N/A	FLARED END SECTION
	343+48	2 LT	N/A	N/A	SAFETY GRATE
	343+96	108 RT	N/A	N/A	FLARED END SECTION
	377+97	92 LT	N/A	N/A	FLARED END SECTION
	391+46	92 LT	N/A	N/A	FLARED END SECTION
	392+00	91 RT	N/A	N/A	FLARED END SECTION
	405+11	101 LT	N/A	N/A	FLARED END SECTION
	405+13	9 LT	N/A	N/A	FLARED END SECTION
	425+25	116 LT	N/A	N/A	FLARED END SECTION
	455+54	7 LT	N/A	N/A	FLARED END SECTION
	455+56	109 LT	N/A	N/A	FLARED END SECTION
	455+57	115 LT	N/A	N/A	FLARED END SECTION
	455+57	141 LT	N/A	N/A	FLARED END SECTION
	467+85	91 LT	N/A	N/A	FLARED END SECTION
	484+89	104 LT	N/A	N/A	FLARED END SECTION
	509+90	17 RT	N/A	N/A	SAFETY GRATE
	509+95	83 LT	N/A	N/A	FLARED END SECTION
	527+46	105 LT	N/A	N/A	FLARED END SECTION
	645+63	84 LT	N/A	N/A	SAFETY GRATE
	645+69	122 LT	N/A	N/A	FLARED END SECTION

**REMOVAL OF STRUCTURES AND OBSTRUCTIONS - 202.0001.0000**

SHEET	START STA	OFFSET	END STA	OFFSET	REMARKS
	657+52	77 LT	N/A	N/A	FLARED END SECTION
	670+62	82 LT	N/A	N/A	FLARED END SECTION
	687+87	89 LT	N/A	N/A	FLARED END SECTION
	693+47	108 LT	N/A	N/A	FLARED END SECTION
	694+83	96 LT	N/A	N/A	FLARED END SECTION
	705+88	119 LT	N/A	N/A	FLARED END SECTION
	715+93	72 RT	N/A	N/A	FLARED END SECTION
	728+87	126 RT	N/A	N/A	FLARED END SECTION
	729+61	194 LT	N/A	N/A	FLARED END SECTION
	730+47	112 LT	N/A	N/A	FLARED END SECTION
	735+43	399 LT	N/A	N/A	FLARED END SECTION
	746+86	168 RT	N/A	N/A	FLARED END SECTION
	751+82	148 LT	N/A	N/A	FLARED END SECTION
	768+73	94 LT	N/A	N/A	FLARED END SECTION
	768+91	97 RT	N/A	N/A	FLARED END SECTION
	769+82	104 LT	N/A	N/A	FLARED END SECTION
	811+85	116 LT	N/A	N/A	FLARED END SECTION
	826+86	81 RT	N/A	N/A	FLARED END SECTION
	826+87	149 LT	N/A	N/A	FLARED END SECTION
	827+87	150 LT	N/A	N/A	FLARED END SECTION
	829+79	89 RT	N/A	N/A	FLARED END SECTION
	829+84	165 LT	N/A	N/A	FLARED END SECTION
	829+93	50 RT	N/A	N/A	FLARED END SECTION
	834+87	259 LT	N/A	N/A	FLARED END SECTION
	835+07	142 LT	N/A	N/A	FLARED END SECTION
	840+17	200 RT	N/A	N/A	FLARED END SECTION
	842+18	191 RT	N/A	N/A	FLARED END SECTION
	842+19	253 LT	N/A	N/A	FLARED END SECTION
	842+27	311 LT	N/A	N/A	FLARED END SECTION
	842+64	145 LT	N/A	N/A	FLARED END SECTION
	842+80	597 LT	N/A	N/A	FLARED END SECTION
	843+26	569 LT	N/A	N/A	FLARED END SECTION
	843+26	198 RT	N/A	N/A	FLARED END SECTION
	843+65	132 LT	N/A	N/A	FLARED END SECTION
	843+79	243 LT	N/A	N/A	FLARED END SECTION
	844+02	245 LT	N/A	N/A	FLARED END SECTION
	844+09	286 LT	N/A	N/A	FLARED END SECTION
	850+39	162 RT	N/A	N/A	FLARED END SECTION
	852+64	181 LT	N/A	N/A	FLARED END SECTION
	852+83	176 LT	N/A	N/A	FLARED END SECTION
	867+80	117 LT	N/A	N/A	FLARED END SECTION
	871+79	109 LT	N/A	N/A	FLARED END SECTION
	871+82	71 RT	N/A	N/A	FLARED END SECTION
	887+91	76 RT	N/A	N/A	FLARED END SECTION
	887+94	120 LT	N/A	N/A	FLARED END SECTION
	889+60	103 LT	N/A	N/A	FLARED END SECTION
	891+85	73 RT	N/A	N/A	FLARED END SECTION
	891+86	98 LT	N/A	N/A	FLARED END SECTION
	899+83	103 LT	N/A	N/A	FLARED END SECTION
	900+87	90 LT	N/A	N/A	FLARED END SECTION

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**PRELIMINARY**

PIH  
9/4/2024

PLANS DEVELOPED BY:  
KINNEY ENGINEERING, LLC  
3909 Arctic Blvd, Suite 400  
ANCHORAGE, AK 99503  
(907) 346-2373  
CERT. OF AUTH. NO. AECL 1102

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
**GLENN HWY:  
AIRPORT HEIGHTS TO PARKS HWY  
REHABILITATION**

**SUMMARY TABLES**

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	D2	D20

**REMOVAL OF STRUCTURES AND OBSTRUCTIONS - 202.0001.0000**

SHEET	START STA	OFFSET	END STA	OFFSET	REMARKS
	900+88	74 RT	N/A	N/A	FLARED END SECTION
	918+90	76 RT	N/A	N/A	FLARED END SECTION
	918+92	113 LT	N/A	N/A	FLARED END SECTION
	920+82	104 LT	N/A	N/A	FLARED END SECTION
	921+87	119 LT	N/A	N/A	FLARED END SECTION
	921+87	75 RT	N/A	N/A	FLARED END SECTION
	940+85	17 LT	N/A	N/A	FLARED END SECTION
	941+14	17 LT	N/A	N/A	FLARED END SECTION
	946+95	58 RT	N/A	N/A	FLARED END SECTION
	946+95	90 LT	N/A	N/A	FLARED END SECTION
	949+93	89 LT	N/A	N/A	FLARED END SECTION
	958+94	93 LT	N/A	N/A	FLARED END SECTION
	959+95	92 LT	N/A	N/A	FLARED END SECTION
	959+96	75 RT	N/A	N/A	FLARED END SECTION
	968+20	98 LT	N/A	N/A	FLARED END SECTION
	968+28	88 RT	N/A	N/A	FLARED END SECTION
	974+95	92 LT	N/A	N/A	FLARED END SECTION
	985+04	86 LT	N/A	N/A	FLARED END SECTION
	999+35	80 RT	N/A	N/A	FLARED END SECTION
	999+36	86 LT	N/A	N/A	FLARED END SECTION
	999+91	89 LT	N/A	N/A	FLARED END SECTION
	1008+88	116 LT	N/A	N/A	FLARED END SECTION
	1019+64	70 LT	N/A	N/A	FLARED END SECTION
	1022+07	143 LT	1023+50	189 LT	REMOVE 150 LF FENCE
	1023+68	RT	1023+99	RT	REMOVE 61 LF CMP FLUME
	1024+97	RT	1024+99	RT	REMOVE 42 LF CMP FLUME
	1033+97	96 LT	N/A	N/A	FLARED END SECTION
	1034+87	92 RT	N/A	N/A	FLARED END SECTION
	1035+05	101 RT	N/A	N/A	FLARED END SECTION
	1035+33	110 RT	N/A	N/A	FLARED END SECTION
	1038+74	RT	1038+74	RT	REMOVE 44 LF CMP FLUME
	1038+85	RT	1038+84	RT	REMOVE 55 LF CMP FLUME
	1040+97	RT	1041+07	RT	REMOVE 27 LF CMP FLUME
	1042+42	RT	1042+45	RT	REMOVE 47 LF CMP FLUME
	1042+90	11 RT	N/A	N/A	REMOVE CMP TEE
	1042+97	RT	1042+97	RT	REMOVE 12 LF CMP FLUME
	1045+08	RT	1045+97	RT	REMOVE 104 LF CMP FLUME
	1075+48	RT	1075+52	RT	REMOVE 78 LF CMP FLUME
	1075+65	207 RT	N/A	N/A	FLARED END SECTION
	1075+66	159 RT	N/A	N/A	FLARED END SECTION
	1075+78	200 LT	N/A	N/A	FLARED END SECTION
	1075+88	92 RT	N/A	N/A	FLARED END SECTION
	1075+91	151 LT	N/A	N/A	FLARED END SECTION
	1076+93	146 LT	N/A	N/A	FLARED END SECTION
	1076+94	92 RT	N/A	N/A	FLARED END SECTION
	1077+04	154 LT	N/A	N/A	FLARED END SECTION
	1077+06	204 LT	N/A	N/A	FLARED END SECTION
	1077+17	141 LT	N/A	N/A	FLARED END SECTION
	1110+10	95 LT	N/A	N/A	FLARED END SECTION
	1119+26	112 LT	N/A	N/A	FLARED END SECTION
	1119+32	78 RT	N/A	N/A	FLARED END SECTION
	1140+79	91.13	N/A	N/A	REMOVE CMP TEE
	1140+80	2 LT	N/A	N/A	REMOVE CMP TEE
	1151+29	RT	1151+41	RT	REMOVE 21 LF CMP FLUME
	1197+00	RT	1197+00	55 LT	REMOVE 56 LF CMP FLUME
	1197+00	2 LT	N/A	N/A	REMOVE CMP TEE
	1231+98	3 LT	N/A	N/A	FLARED END SECTION
	1233+73	3 LT	N/A	N/A	FLARED END SECTION
	1270+63	86 LT	1270+64	62 LT	REMOVE 24 LF CMP FLUME

**REMOVAL OF STRUCTURES AND OBSTRUCTIONS - 202.0001.0000**

SHEET	START STA	OFFSET	END STA	OFFSET	REMARKS
	1270+76	2 LT	N/A	N/A	REMOVE CMP TEE
	1289+09	87 LT	N/A	N/A	FLARED END SECTION
	1301+17	120 LT	N/A	N/A	FLARED END SECTION
	1301+24	115 LT	N/A	N/A	FLARED END SECTION
	1308+16	76 RT	N/A	N/A	FLARED END SECTION
	1308+23	125 RT	N/A	N/A	FLARED END SECTION
	1315+67	RT	N/A	N/A	REMOVE CMP TEE
	1383+59	19 LT	N/A	N/A	FLARED END SECTION
	1383+61	90 LT	N/A	N/A	FLARED END SECTION
	1410+59	86 LT	N/A	N/A	FLARED END SECTION
	1410+61	16 LT	N/A	N/A	FLARED END SECTION
	1440+61	19 LT	N/A	N/A	FLARED END SECTION
	1455+59	19 LT	N/A	N/A	FLARED END SECTION
	1472+09	579 LT	N/A	N/A	FLARED END SECTION
	1472+31	514 LT	N/A	N/A	FLARED END SECTION
	1476+36	438 LT	N/A	N/A	FLARED END SECTION
	1483+54	23 LT	N/A	N/A	FLARED END SECTION
	1483+58	119 LT	N/A	N/A	FLARED END SECTION
	1551+00	214 LT	N/A	N/A	FLARED END SECTION
	1554+29	133 RT	N/A	N/A	FLARED END SECTION
	1554+34	171 RT	N/A	N/A	FLARED END SECTION
	1554+48	171 LT	N/A	N/A	FLARED END SECTION
	1554+52	218 LT	N/A	N/A	FLARED END SECTION
	1555+11	249 LT	N/A	N/A	FLARED END SECTION
	1555+81	245 LT	N/A	N/A	FLARED END SECTION
	1555+99	168 LT	N/A	N/A	FLARED END SECTION
	1556+38	119 RT	N/A	N/A	FLARED END SECTION
	1556+42	156 RT	N/A	N/A	FLARED END SECTION
	1638+46	115 LT	N/A	N/A	FLARED END SECTION
	1638+46	42 LT	N/A	N/A	FLARED END SECTION
	1655+48	41 LT	N/A	N/A	FLARED END SECTION
	1688+48	37 LT	N/A	N/A	FLARED END SECTION
	1688+49	111 LT	N/A	N/A	FLARED END SECTION
	1720+45	102 LT	N/A	N/A	FLARED END SECTION
	1720+47	33 LT	N/A	N/A	FLARED END SECTION
	1749+05	91 LT	N/A	N/A	FLARED END SECTION

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**PRELIMINARY**



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STATE OF ALASKA  
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**GLENN HWY:  
 AIRPORT HEIGHTS TO PARKS HWY  
 REHABILITATION**

**SUMMARY TABLES**



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	D3	D20

**REMOVAL OF PAVEMENT - 202.0002.0000**

SHEET	START STA	OFFSET	END STA	OFFSET	QUANTITY (SY)	REMARKS
"G1"	101+30	172' LT	"G1" 165+96	463' LT	5,785	ASPHALT PATHWAY REPLACEMENT
"G1"	160+22	474' LT	"G1" 165+31	567' LT	470	ASPHALT PATHWAY REPLACEMENT
"G1"	246+44	122' LT	"G1" 249+44	122' LT	267	ASPHALT PATHWAY REPLACEMENT
"G1"	268+70	85' LT	"G1" 273+20	108' LT	492	ASPHALT PATHWAY REPLACEMENT
"G1"	286+79	113' LT	"G1" 289+27	116' LT	767	ASPHALT PATHWAY REPLACEMENT
"G1"	302+10	119' LT	"G1" 307+35	123' LT	1,267	ASPHALT PATHWAY REPLACEMENT
"G1"	336+01	433' LT	"G1" 336+12	394' LT	38	ASPHALT PATHWAY REPLACEMENT
"G1"	360+50	116' LT	"G1" 397+24	115' LT	3,629	ASPHALT PATHWAY REPLACEMENT
"G1"	410+72	129' LT	"G1" 423+38	130' LT	1,393	ASPHALT PATHWAY REPLACEMENT
"G1"	444+00	116' LT	"G1" 466+53	121' LT	3,584	ASPHALT PATHWAY REPLACEMENT
"G1"	479+00	122' LT	"G1" 486+80	128' LT	692	ASPHALT PATHWAY REPLACEMENT
"G1"	518+00	61' LT	"G1" 542+70	298' LT	2,160	ASPHALT PATHWAY REPLACEMENT
"G1"	661+00	113' RT	"G1" 676+31	119' RT	1,363	ASPHALT PATHWAY REPLACEMENT
"G1"	692+54	72' RT	"G1" 694+08	71' RT	169	ASPHALT PATHWAY REPLACEMENT
"G1"	699+50	52' RT	"G1" 721+00	88' RT	2,386	ASPHALT PATHWAY REPLACEMENT
"G1"	732+53	219' RT	"G1" 735+50	396' RT	394	ASPHALT PATHWAY REPLACEMENT
"G1"	751+06	143' RT	"G1" 772+23	76' RT	2,396	ASPHALT PATHWAY REPLACEMENT
"G1"	774+38	73' RT	"G1" 779+11	101' RT	532	ASPHALT PATHWAY REPLACEMENT
"G1"	792+31	79' RT	"G1" 803+48	63' RT	1,232	ASPHALT PATHWAY REPLACEMENT
"G1"	818+72	66' RT	"G1" 820+20	73' RT	168	ASPHALT PATHWAY REPLACEMENT
"G1"	827+09	55' RT	"G1" 831+61	92' RT	400	ASPHALT PATHWAY REPLACEMENT
"G1"	835+67	102' RT	"G1" 842+05	236' RT	580	ASPHALT PATHWAY REPLACEMENT
"G1"	915+15	67' RT	"G1" 921+01	60' RT	561	ASPHALT PATHWAY REPLACEMENT
"G1"	937+62	66' RT	"G1" 947+53	70' RT	853	ASPHALT PATHWAY REPLACEMENT
"G1"	971+19	70' RT	"G1" 981+07	66' RT	841	ASPHALT PATHWAY REPLACEMENT
"G1"	1000+54	69' RT	"G1" 1001+89	72' RT	121	ASPHALT PATHWAY REPLACEMENT
"G1"	1007+46	74' RT	"G1" 1021+21	216' RT	1,206	ASPHALT PATHWAY REPLACEMENT
"D4"	03+97	1' RT	"D4" 30+14	39' LT	6,204	JBBER SB RAMP
"D4"	10+00	54' LT	"D4" 15+25	48' LT	470	JBBER SB PATHWAY
"D4"	00+01	37' RT	"D4" 27+50	8' RT	6,109	JBBER NB RAMP
"G1"	492+37	82' LT	"G1" 497+85	100' LT	3,744	SB WEIGHT STATION
"G1"	493+52	141' RT	"G1" 497+74	121' RT	2,345	NB WEIGH STATION

**REMOVAL OF SIDEWALK - 202.0003.0000**

SHEET	FROM STA	OFFSET	END STA	OFFSET	QUANTITY (SY)	REMARKS
"EP4"	32+67	61' LT	"EP4" 32+74	90' LT	36	N EAGLE RIVER SB EX CURB RAMP SW QUAD
"EP4"	32+61	5' RT	"EP4" 32+79	27' RT	20	N EAGLE RIVER SB EX CURB RAMP SE QUAD
"NBL4"	00+18	40' RT	"NBL4" 00+31	29' RT	7	N BIRCHWOOD NB EX CURB RAMP
					TOTAL SCH A=	63
					TOTAL SCH B=	0

**REMOVAL OF PAVEMENT - 202.0002.0000**


SHEET	START STA	OFFSET	END STA	OFFSET	QUANTITY (SY)	REMARKS
"E4"	01+84	12' LT	"E4" 33+07	63' LT	10,411	N EAGLE RIVER SB RAMP
"SBL4"	01+41	4' LT	"SBL4" 32+34	60' LT	7,381	S BIRCHWOOD SB RAMP
"SBL2"	00+19	1' RT	"SBL2" 28+31	39' LT	7,401	S BIRCHWOOD NB RAMP
"SBL2"	20+79	2' RT	"SBL2" 28+27	38' LT	989	S BIRCHWOOD NB PATHWAY
"NBL4"	03+03	7' LT	"NBL4" 22+14	58' LT	5,070	N BIRCHWOOD SB RAMP
"NBL2"	00+34	CL	"NBL2" 16+65	CL	4,617	N BIRCHWOOD NB RAMP
"NBL2"	00+54	27' LT	"NBL2" 00+65	18' LT	17	N BIRCHWOOD NB PATHWAY LT
"NBL2"	00+09	61' RT	"NBL2" 01+67	29' RT	158	N BIRCHWOOD NB PATHWAY RT
"D4"	02+49	8' LT	"D4" 21+65	57' LT	4,020	S PETERS CREEK SB RAMP
"S2"	03+67	81' RT	"S2" 23+10	8' RT	4,984	S PETERS CREEK NB RAMP
"L2"	03+19	7' LT	"L2" 22+34	41' LT	4,265	N PETERS CREEK SB RAMP
"L4"	00+21	55' RT	"L4" 19+27	8' RT	4,766	N PETERS CREEK NB RAMP
"P4"	02+06	10' LT	"P4" 24+69	11' LT	5,634	MIRROR LAKE SB RAMP
"EV4"	01+22	8' LT	"EV4" 21+87	14' LT	6,192	EKLUNTA SB RAMP
"EV2"	00+03	46' RT	"EV2" 19+50	8' RT	5,076	EKLUNTA NB RAMP
"OG6A"	02+62	8' LT	"OG6A" 14+33	20' LT	2,605	OLD GLENN SB ON RAMP
					TOTAL SCH A=	126,204
					TOTAL SCH B=	0

**REMOVAL OF CULVERT PIPE - 202.0004.0000**

SHEET	STATION	OFFSET	STATION	OFFSET	QUANTITY (LF)	PIPE DIAMETER (IN)	REMARKS
	52+46	54 RT	52+46	60 RT	5	36	SCH A
	52+46	64 RT	52+36	64 RT	10	48	SCH A
	52+56	64 RT	52+50	64 RT	6	48	SCH A
	57+21	70 LT	57+11	12 LT	59	18	SCH A
	74+11	5 LT	74+11	88 LT	83	18	SCH A
	79+11	5 LT	79+11	100 LT	95	12	SCH A
	92+37	190 RT	92+79	224 RT	53	12	SCH A
	93+18	274 RT	92+79	227 RT	60	12	SCH A
	125+11	5 RT	125+11	7 RT	2	24	SCH A

DESIGNED BY: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_ DRAFTED BY: \_\_\_\_\_  
 SCALE: X" = XX'  
 TIME: 11:27 AM  
 DATE: 9/4/2024  
 DRAWING LOCATION: Z:\PROJECTS\009777 GLENN HWY AIRPORT HTS TO PARKS HWY\DWGS\C\SHEETS\00945\_D1-D5\_SUMMARY.DWG

**PRELIMINARY**

  
 9/4/2024

PLANS DEVELOPED BY:  
 KINNEY ENGINEERING, LLC  
 3909 Arctic Blvd, Suite 400  
 ANCHORAGE, AK 99503  
 (907) 346-2373  
 CERT. OF AUTH. NO. AECL 1102

STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
**GLENN HWY:  
 AIRPORT HEIGHTS TO PARKS HWY  
 REHABILITATION**  
 SUMMARY TABLES



REMOVAL OF MANHOLE - 202.0006.0000				
SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
	51+11	11' LT	1	SCH B
	747+11	69' RT	1	SCH A
TOTAL SCH A=			1	
TOTAL SCH B=			1	


REMOVAL OF CURB AND GUTTER - 202.0009.0000						
SHEET	START STA	OFFSET	END STA	OFFSET	QUANTITY (SY)	REMARKS
	"EP4" 32+28	6' RT	"EP4" 32+81	27' RT	68	N EAGLE RIVER SB
	"EP4" 32+48	51' LT	"EP4" 32+85	81' LT	48	N EAGLE RIVER SB
	"SBL2" 00+28	18' LT	"SBL2" 00+57	6' LT	33	S BIRCHWOOD NB
	"SBL2" 00+32	54' RT	"SBL2" 00+64	28' RT	42	S BIRCHWOOD NB
	"SBL2" 07+49	21' RT	"SBL2" 18+92	25' RT	1,152	S BIRCHWOOD NB
	"NBL2" 00+14	44' RT	"NBL2" 01+65	28' RT	159	N BIRCHWOOD NB
TOTAL SCH A=					1,502	
TOTAL SCH B=					0	

REMOVAL OF INLET - 202.0008.0000			
SHEET	STATION	OFFSET	REMARKS
	156+00	10 LT	SCH B
	193+98	9 LT	
	240+54	3 RT	
	264+98	15 RT	
	266+27	1 LT	SCH B
	268+87	1 LT	SCH B
	377+10	0 LT	
	391+45	6 LT	
	392+01	3 RT	
	425+25	23 LT	
	467+87	5 LT	
	478+99	2 LT	SCH B
	481+83	0 LT	SCH B
	484+87	4 LT	
	527+48	15 RT	
	840+23	181 RT	
	843+61	245 LT	
	850+38	146 RT	
	858+90	94 LT	
	858+91	129 LT	
	1034+49	3 RT	
	1034+86	92 RT	
	1110+05	68 RT	
	1129+57	189 LT	
	1129+67	273 LT	
	1301+24	115 LT	
	1302+10	86 LT	
	1303+52	79 RT	
	1303+91	2 LT	
	1306+06	76 LT	
TOTAL SCH A =		25 EA	
TOTAL SCH B =		5 EA	

ABANDON PIPE IN PLACE, ALL DIAMETERS - 202.2016.0000							
SHEET	STATION	OFFSET	STATION	OFFSET	QUANTITY (LF)	DIAMETER (IN)	REMARKS
	731+69	227 RT	732+89	90 RT	182	48	SCH A, MP 15.33 CAROL CREEK
	735+55	220 LT	738+51	399 LT	346	48	SCH A, MP 15.35 CAROL CREEK
	771+84	115 LT	771+84	47 RT	162	24	SCH A
	789+76	101 LT	789+76	26 LT	75	24	SCH A
	826+86	81 RT	826+87	149 LT	230	24	SCH A
	887+91	76 RT	887+94	120 LT	196	24	SCH A
	918+90	76 RT	918+92	113 LT	190	24	SCH A
	921+87	75 RT	921+87	119 LT	194	24	SCH A
	1161+06	104 RT	1161+85	111 LT	228	24	SCH A, MP 23.5 MIRROR LAKE OUTLET
	1198+77	91 RT	1198+69	105 LT	196	36	SCH A, MP 24.2 EDMONDS CREEK
	1222+69	114 RT	1223+01	110 LT	226	24	SCH A, MP 24.6 UNNAMED CREEK
TOTAL SCH A=					2,226		
TOTAL SCH B=					0		

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 DATE 9/4/2024 11:27 AM  
 SCALE X" = XX'  
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**PRELIMINARY**

 <b>9/4/2024</b>	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES <b>GLENN HWY:          AIRPORT HEIGHTS TO PARKS HWY          REHABILITATION</b>  SUMMARY TABLES
PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 ANCHORAGE, AK 99503 (907) 346-2373 CERT. OF AUTH. NO. AECL 1102	

Z:\PROJECTS\00577 GLENN HWY AIRPORT HTS TO PARKS\DWGS\C\SHEETS\00545\_D6-D13\_SUMMARY.DWG  
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**METAL FLUME DOWNDRAIN - INLET - 601.2001.0000**

SHEET	STATION	OFFSET	REMARKS
	1023+80	141 LT	SCH A
	1024+97	126 LT	SCH A
	1038+74	58 RT	SCH A
	1038+82	61 LT	SCH A
	1040+97	52 RT	SCH A
	1042+59	65 LT	SCH A
	1042+97	59 RT	SCH A
	1075+52	55 LT	SCH A
TOTAL SCH A =			8 EA
TOTAL SCH B =			0 EA

**STRUCTURAL PLATE PIPE 72 INCH - 602.0001.0072**

SHEET	PIPE	PIPE INLET			PIPE OUTLET			SLOPE (%)	QUANTITY (LF)	REMARKS	
		STATION	OFFSET	ELEVATION	STATION	OFFSET	ELEVATION				
	P24-8	1199+15	180 LT	236.7	1199+21	258 LT	233.2	1.4%	79	SCH A, MP 24.21 EDMONDS CREEK	
									TOTAL SCH A =	79	
									TOTAL SCH B =	0	

**STRUCTURAL PLATE PIPE 78 INCH - 602.0001.0078**

SHEET	PIPE	PIPE INLET			PIPE OUTLET			SLOPE (%)	QUANTITY (LF)	REMARKS	
		STATION	OFFSET	ELEVATION	STATION	OFFSET	ELEVATION				
	P18-6	879+61	66 RT	235.6	878+72	108 LT	229.7	3.0%	196	SCH A, MP 18.2 UNNAMED CREEK	
									TOTAL SCH A =	196	
									TOTAL SCH B =	0	

**STRUCTURAL PLATE PIPE 84 INCH - 602.0001.0084**

SHEET	PIPE	PIPE INLET			PIPE OUTLET			SLOPE (%)	QUANTITY (LF)	REMARKS	
		STATION	OFFSET	ELEVATION	STATION	OFFSET	ELEVATION				
	P15-15	733+57	83 RT	201.1	734+72	145 LT	196.4	2.8%	255	SCH A, MP 15.34 CAROL CREEK	
									TOTAL SCH A =	255	
									TOTAL SCH B =	0	

**STRUCTURAL PLATE PIPE-ARCH 103 INCH SPAN - 71 INCH RISE 602.0002.0000**

SHEET	PIPE	PIPE INLET			PIPE OUTLET			SLOPE (%)	QUANTITY (LF)	REMARKS	
		STATION	OFFSET	ELEVATION	STATION	OFFSET	ELEVATION				
	P18-19	914+48	76 RT	267.9	914+96	91 LT	267.1	1.0%	173	SCH A, MP 18.9 PARKS CREEK	
									TOTAL SCH A =	173	
									TOTAL SCH B =	0	

PRELIMINARY

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9/4/2024

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 (907) 346-2373  
 CERT. OF AUTH. NO. AECL 1102

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES

GLENN HWY:  
AIRPORT HEIGHTS TO PARKS HWY  
REHABILITATION

SUMMARY TABLES

DESIGNED BY: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_ DRAFTED BY: \_\_\_\_\_  
 SCALE: \_\_\_\_\_ X" = \_\_\_\_\_'  
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 DRAWING LOCATION: Z:\PROJECTS\00977\_GLENN\_HWY\_AIRPORT\_HTS\_TO\_PARKS\DWGS\C\SHEETS\00545\_D6-D13\_SUMMARY.DWG

CSP 12 INCH - 603.0001.0012										
SHEET	PIPE	PIPE INLET			PIPE OUTLET			SLOPE (%)	QUANTITY (LF)	REMARKS
		STATION	OFFSET	ELEVATION	STATION	OFFSET	ELEVATION			
	P18-19	914+48	76 RT	267.9	914+96	91 LT	267.1	1.0%	173	SCH A, MP 18.9 PARKS CREEK
									TOTAL SCH A =	173
									TOTAL SCH B =	0

CSP 18 INCH - 603.0001.0018										
SHEET	PIPE	PIPE INLET			PIPE OUTLET			SLOPE (%)	QUANTITY (LF)	REMARKS
		STATION	OFFSET	ELEVATION	STATION	OFFSET	ELEVATION			
		828+03	62 RT	291.4'	828+01	80 RT	290.6'	4.4%	18	SCH A
	P17-12	840+23	182 RT	299.3'	840+19	194 RT	299.2'	0.8%	14	SCH A
	P17-30	843+63	245 LT	279.8'	843+79	243 LT	279.3'	2.7%	18	SCH A
	P17-34	850+38	144 RT	292.0'	850+39	162 RT	291.7'	1.6%	19	SCH A
	P30-7B	1555+11	249 LT	17.7'	1555+22	248 LT	17.7'	0.5%	10	SCH A
									TOTAL SCH A =	79
									TOTAL SCH B =	0

CSP 24 INCH - 603.0001.0024										
SHEET	PIPE	PIPE INLET			PIPE OUTLET			SLOPE (%)	QUANTITY (LF)	REMARKS
		STATION	OFFSET	ELEVATION	STATION	OFFSET	ELEVATION			
	P2-23	74+12	97 LT	155.9'	74+10	5 LT	153.6'	2.5%	95	SCH A, AVG. COVER 2.8 FT
	P3-1	120+83	11 RT	207.2'	120+83	76 RT	206.0'	1.9%	65	SCH B, AVG. COVER 1 FT
	P3-5	129+29	161 RT	212.3'	128+86	193 RT	209.5'	5.3%	54	SCH A
	P3-7B	130+73	288 RT	210.0'	130+91	298 RT	209.5'	2.5%	20	SCH A
	P3-20	158+50	13 LT	237.6'	158+50	132 LT	235.8'	1.5%	119	SCH A, AVG. COVER 1.1 FT
	PX-695	193+98	9 LT	262.7'	193+98	19 LT	262.6'	0.7%	10	SCH A
	P4-16	200+04	1 RT	268.3'	198+50	1 RT	267.0'	0.8%	154	SCH B
	P4-17	201+97	1 RT	269.9'	200+04	1 RT	268.4'	0.8%	193	SCH B
	P4-18	203+49	0 RT	271.2'	201+97	1 RT	270.0'	0.8%	152	SCH B
	P5-6	240+75	11 RT	309.7'	240+75	93 RT	306.6'	3.8%	82	SCH A, AVG. COVER 2.3 FT
	P8-1	375+39	14 LT	374.5'	375+39	75 LT	373.3'	1.9%	61	SCH B, AVG. COVER 1.2 FT
	P8-4	377+97	8 LT	375.2'	377+97	90 LT	373.7'	1.9%	82	SCH A, AVG. COVER 3 FT
	P8-9	391+45	6 LT	387.5'	391+46	85 LT	387.1'	0.6%	79	SCH A, AVG. COVER 2.6 FT
	P8-11	392+01	83 RT	388.7'	392+01	4 RT	388.3'	0.5%	79	SCH A, AVG. COVER 2.7 FT
	P10-3	467+87	8 LT	455.3'	467+85	90 LT	453.4'	2.3%	82	SCH A, AVG. COVER 2.6 FT
	P10-9	484+87	11 LT	467.3'	484+89	96 LT	465.7'	1.9%	86	SCH A, AVG. COVER 2.9 FT
	P11-1	509+90	12 RT	498.1'	509+95	75 LT	492.7'	6.2%	87	SCH A, AVG. COVER 3.3 FT
	PX-624	556+97	6 RT	0.0'	556+96	92 RT	0.0'	0.0%	86	SCH B
	PX-625	705+95	104 LT	244.7'	705+91	113 LT	244.6'	0.0%	10	SCH A
	P15-7	729+69	177 LT	252.7'	730+47	112 LT	252.0'	-0.7%	101	SCH A, AVG. COVER 2.4 FT
		829+79	89 RT	292.4'	829+95	45 RT	292.1'	0.6%	47	SCH A, AVG. COVER 0.8 FT
	PX-629	842+16	211 RT	295.5'	842+18	191 RT	295.3'	0.9%	20	SCH A
	PX-631	842+22	269 LT	276.2'	842+28	317 LT	275.4'	1.5%	49	SCH A, AVG. COVER 2.9 FT
	PX-630	843+06	195 RT	294.1'	843+26	198 RT	294.0'	0.3%	20	SCH A
	P17-37B	852+54	164 LT	0.0'	852+64	181 LT	0.0'	0.0%	20	SCH A

CSP 24 INCH - 603.0001.0024 - CONTINUED										
SHEET	PIPE	PIPE INLET			PIPE OUTLET			SLOPE (%)	QUANTITY (LF)	REMARKS
		STATION	OFFSET	ELEVATION	STATION	OFFSET	ELEVATION			
	P17-39B	852+82	156 LT	282.0'	852+83	176 LT	281.2'	3.8%	20	SCH A
	PX-634	858+09	57 RT	281.2'	858+16	101 RT	280.8'	0.9%	45	SCH A, AVG. COVER 1.6 FT
	P17-44	858+90	94 LT	277.4'	858+91	129 LT	275.8'	4.7%	35	SCH A, AVG. COVER 1.7 FT
	P18-14B	899+84	83 LT	230.2'	899+83	103 LT	229.9'	1.5%	20	SCH A
	P18-16	900+88	73 RT	230.1'	900+87	92 LT	229.3'	0.5%	165	SCH A, AVG. COVER 7.3 FT
	P18-18	914+21	57 RT	207.5'	914+33	76 RT	207.2'	1.6%	22	SCH A
	P19-12B	949+93	69 LT	220.1'	949+93	89 LT	220.0'	0.7%	20	SCH A
	P19-14B	958+94	73 LT	223.8'	958+94	93 LT	223.3'	2.6%	20	SCH A
	PX-635	959+94	72 LT	224.8'	959+94	92 LT	224.6'	0.8%	20	SCH A
	P20-1B	974+96	72 LT	235.6'	974+95	92 LT	235.0'	2.8%	20	SCH A
	P20-3B	985+04	66 LT	259.3'	985+04	86 LT	259.2'	0.3%	20	SCH A
	P20-7B	999+90	69 LT	289.2'	999+91	89 LT	289.1'	0.6%	20	SCH A
	P20-9B	1008+88	88 LT	300.9'	1008+88	108 LT	300.5'	2.1%	20	SCH A
	PX-637	1031+00	61 RT	295.4'	1031+29	87 RT	294.4'	2.6%	40	SCH A, AVG. COVER 1.3 FT
	PX-638	1034+49	3 RT	283.5'	1034+76	78 RT	282.0'	1.8%	80	SCH A, AVG. COVER 1.7 FT
	P21-14B	1042+90	13 LT	277.8'	1042+90	23 LT	277.4'	3.8%	12	SCH A
	P21-35	1075+65	207 RT	360.0'	1075+66	159 RT	358.9'	2.3%	48	SCH A, AVG. COVER 1.7 FT
	P21-39	1075+90	152 LT	351.7'	1075+78	200 LT	350.5'	2.4%	49	SCH A, AVG. COVER 1.3 FT
	P21-31B	1076+94	92 RT	355.9'	1076+82	92 RT	355.8'	0.8%	12	SCH A
	PX-641	1093+62	93 RT	376.3'	1093+52	83 RT	376.2'	1.2%	15	SCH A
	P22-16	1129+60	214 LT	355.8'	1129+59	209 LT	355.6'	5.0%	5	SCH A
	P23-6	1140+79	94 RT	326.0'	1140+79	103 RT	325.5'	5.1%	11	SCH A
	PX-642	1140+79	81 RT	326.2'	1140+79	90 RT	326.0'	2.7%	11	SCH A
	P23-5B	1140+80	0 RT	328.2'	1140+80	10 RT	328.0'	2.5%	11	SCH A
	P23-4B	1140+81	12 LT	328.8'	1140+80	2 LT	328.3'	5.0%	11	SCH A
	P24-3B	1197+00	0 LT	294.0'	1197+00	10 LT	293.7'	3.8%	10	SCH A
	P25-4B	1270+76	3 LT	88.3'	1270+76	12 LT	88.1'	2.4%	10	SCH A
	P25-10B	1289+09	63 LT	71.6'	1289+09	83 LT	71.4'	0.8%	20	SCH A
	PX-646	1303+30	131 LT	45.0'	1303+29	121 LT	44.7'	3.3%	10	SCH A
	PX-644	1303+52	79 RT	44.9'	1303+62	79 RT	44.7'	1.9%	10	SCH A
	PX-645	1303+93	2 LT	0.0'	1304+01	2 LT	0.0'	0.0%	8	SCH A
	PX-647	1305+96	76 LT	43.9'	1306+06	76 LT	43.9'	0.2%	10	SCH A
	P29-8	1483+54	23 LT	19.1'	1483+58	119 LT	17.4'	1.8%	96	SCH A, AVG. COVER 1.9 FT
	P32-1C	1638+46	95 LT	19.5'	1638+46	115 LT	19.4'	0.6%	20	SCH A
	P32-1B	1638+46	42 LT	20.0'	1638+46	52 LT	19.9'	1.1%	10	SCH A
	P33-1B	1688+49	81 LT	19.2'	1688+49	111 LT	18.9'	1.0%	30	SCH A
	P33-4B	1720+47	33 LT	20.6'	1720+47	43 LT	20.5'	1.3%	10	SCH A
									TOTAL SCH A =	2135
									TOTAL SCH B =	711

PRELIMINARY

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9/4/2024

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CERT. OF AUTH. NO. AECL 1102

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES

GLENN HWY:  
AIRPORT HEIGHTS TO PARKS HWY  
REHABILITATION

SUMMARY TABLES



**CSP 30 INCH - 603.0001.0030**

SHEET	PIPE	PIPE INLET			PIPE OUTLET			SLOPE (%)	QUANTITY (LF)	REMARKS
		STATION	OFFSET	ELEVATION	STATION	OFFSET	ELEVATION			
	P26-17B	1315+66	11 RT	39.4'	13156+7	1 RT	39.3'	1.2%	11	SCH A
	P26-18B	1315+67	2 LT	39.3'	13156+7	11 LT	39.2'	0.6%	11	SCH A
								TOTAL SCH A=	22	
								TOTAL SCH B=	0	

**END SECTION FOR CSP 18 INCH - 603.0003.0018**

SHEET	STRUCTURE NAME	STATION	OFFSET	REMARKS
	S6-1	261+61	153 RT	SCH A
	S6-2	261+92	108 RT	SCH A
	S17-13	840+19	194 RT	SCH A
	S17-31	843+79	243 LT	SCH A
	S17-35	850+39	162 RT	SCH A
	S30-2	1554+29	133 RT	SCH A
	S30-3	1554+34	171 RT	SCH A
	S30-4	1554+48	172 LT	SCH A
	S30-5	1554+52	217 LT	SCH A
	S30-7	1555+11	249 LT	SCH A
	S30-8	1555+81	245 LT	SCH A
	S30-9	1555+99	168 LT	SCH A
	S30-10	1556+00	214 LT	SCH A
	S30-11	1556+38	119 RT	SCH A
	S30-12	1556+42	156 RT	SCH A
		TOTAL SCH A=	15 EA	
		TOTAL SCH B=	0 EA	

**CSP 36 INCH - 603.0001.0036**

SHEET	PIPE	PIPE INLET			PIPE OUTLET			SLOPE (%)	QUANTITY (LF)	REMARKS
		STATION	OFFSET	ELEVATION	STATION	OFFSET	ELEVATION			
	P2-4B	52+46	54 RT	138.3'	52+46	60 RT	138.0'	5.5%	10	SCH A
	P7-19	343+49	1 RT	340.6'	342+90	140 LT	339.9'	0.5%	154	SCH A, AVG. COVER 4 FT
	P7-17	343+94	103 RT	342.9'	343+50	4 RT	340.7'	2.0%	110	SCH A, AVG. COVER 2.3 FT
	P10-1	455+54	11 LT	444.6'	455+56	91 LT	440.9'	4.7%	80	SCH A, AVG. COVER 2.9 FT
	P11-3	527+48	10 RT	493.9'	527+46	117 LT	484.8'	7.2%	127	SCH A, AVG. COVER 3.5 FT
	P14-3B	669+29	70 LT	248.3'	669+26	90 LT	248.0'	1.4%	24	SCH A
	P14-11B	693+50	89 LT	0.0'	693+47	108 LT	235.1'	0.0%	20	SCH A
	P15-27	768+73	94 LT	305.2'	768+91	97 RT	290.8'	7.5%	192	SCH A, AVG. COVER 11.6 FT
								TOTAL SCH A=	717	
								TOTAL SCH B=	0	

**END SECTION FOR CSP 24 INCH - 603.0003.0024**

SHEET	STRUCTURE NAME	STATION	OFFSET	REMARKS
	S1-2	0+62	114 LT	SCH A
	S1-5	2+52	85 RT	SCH A
	S2-53	98+61	114 RT	SCH A
	S3-4	125+13	90 RT	SCH A
	S3-7	130+31	262 RT	SCH A
	S3-8	130+91	298 RT	SCH A
	S3-10	140+34	82 RT	SCH A
	S3-9	140+35	4 RT	SCH A
	S3-13	149+65	98 RT	SCH A
	S3-12	149+66	7 RT	SCH A
	S3-19	158+50	132 LT	SCH A
	S4-14	193+98	91 LT	SCH A
	S5-1	227+28	92 RT	SCH A
	S5-4	227+31	132 LT	SCH A
	S6-5	261+59	129 LT	SCH A
	S6-7	262+93	134 LT	SCH A
	S6-9	265+01	87 RT	SCH A
	S6-18	294+99	8 RT	SCH A
	S6-19	294+99	90 RT	SCH A
	S7-8	325+46	142 RT	SCH A
	S7-7	325+49	92 RT	SCH A
	S7-12	334+70	83 RT	SCH A
	S7-14	337+97	5 RT	SCH A
	S8-14	405+11	101 LT	SCH A

**CSP 48 INCH - 603.0001.0048**

SHEET	PIPE	PIPE INLET			PIPE OUTLET			SLOPE (%)	QUANTITY (LF)	REMARKS
		STATION	OFFSET	ELEVATION	STATION	OFFSET	ELEVATION			
	PX-684	52+41	64 RT	137.9'	52+36	64 RT	137.9'	0.2%	10	SCH A
	PX-683	52+56	64 RT	138.0'	52+50	64 RT	138.0'	0.3%	10	SCH A
								TOTAL SCH A=	20	
								TOTAL SCH B=	0	

DESIGNED BY: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_ DRAFTED BY: \_\_\_\_\_  
 SCALE: X" = XX'  
 DATE: 9/4/2024 TIME: 11:27 AM  
 DRAWING LOCATION: Z:\PROJECTS\005777 GLENN HWY AIRPORT HTS TO PARKS\DWGS\C\SHEETS\00545\_D6-D13\_SUMMARY.DWG

**PRELIMINARY**



PLANS DEVELOPED BY:  
 KINNEY ENGINEERING, LLC  
 3909 Arctic Blvd, Suite 400  
 ANCHORAGE, AK 99503  
 (907) 346-2373  
 CERT. OF AUTH. NO. AECL 1102

STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
**GLENN HWY:  
 AIRPORT HEIGHTS TO PARKS HWY  
 REHABILITATION**

SUMMARY TABLES

DESIGNED BY: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_ DRAFTED BY: \_\_\_\_\_  
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 TIME: 9/4/2024 11:27 AM  
 DATE: 9/4/2024  
 DRAWING LOCATION: Z:\PROJECTS\009777 GLENN HWY AIRPORT HTS TO PARKS\DWGS\C SHEETS\00545\_D6-D13\_SUMMARY.DWG

### END SECTION FOR CSP 24 INCH - 603.0003.0024 - CONTINUED

SHEET	STRUCTURE NAME	STATION	OFFSET	REMARKS
	S8-13	405+13	9 LT	SCH A
	SX-665	556+96	92 RT	SCH B
	S13-27	657+52	77 LT	SCH A
	S14-7	670+62	82 LT	SCH A
	S14-9	687+87	89 LT	SCH A
	S14-17	694+83	96 LT	SCH A
	SX-667	705+91	113 LT	SCH A
	S15-3	715+93	72 RT	SCH A
	S15-4	728+87	126 RT	SCH A
	S15-11	735+43	399 LT	SCH A
	S15-19	744+09	225 LT	SCH A
	S15-26	751+82	148 LT	SCH A
	S15-30	769+82	104 LT	SCH A
	S16-3	790+18	127 LT	SCH A
	S16-2	790+18	81 RT	SCH A
	S17-1	826+86	81 RT	SCH A
	S17-2	826+87	149 LT	SCH A
	S17-4	827+87	150 LT	SCH A
	S17-6	829+79	89 RT	SCH A
	S17-9	829+84	165 LT	SCH A
	S17-7	829+95	45 RT	SCH A
	S17-11	834+88	254 LT	SCH A
	S17-10	835+07	142 LT	SCH A
	S17-16	842+18	191 RT	SCH A
	S17-19	842+26	184 RT	SCH A
	S17-29	842+80	597 LT	SCH A
	SX-673	843+26	569 LT	SCH A
	S17-20	843+26	198 RT	SCH A
	S17-32	844+01	243 LT	SCH A
	S17-33	844+09	288 LT	SCH A
	S17-38	852+64	181 LT	SCH A
	S17-40	852+83	176 LT	SCH A
	S18-2	867+80	117 LT	SCH A
	S18-4	871+79	109 LT	SCH A
	S18-3	871+82	71 RT	SCH A
	S18-11	889+60	103 LT	SCH A
	S18-12	891+86	73 RT	SCH A
	S18-13	891+86	98 LT	SCH A
	S18-15	899+83	103 LT	SCH A
	SX-768	914+33	76 RT	SCH A
	S19-4	920+82	104 LT	SCH A
	S19-10	946+95	58 RT	SCH A
	S19-11	946+95	90 LT	SCH A
	S19-13	949+93	89 LT	SCH A
	S19-15	958+94	93 LT	SCH A
	S19-17	959+94	92 LT	SCH A
	S19-16	959+96	75 RT	SCH A
	S19-19	968+20	98 LT	SCH A
	S19-18	968+28	88 RT	SCH A
	S20-2	974+95	92 LT	SCH A
	S20-4	985+04	86 LT	SCH A
	S20-8	999+91	89 LT	SCH A
	S20-10	1008+88	108 LT	SCH A
	S21-4	1033+97	96 LT	SCH A
	S21-5	1034+37	19 LT	SCH A
	SX-682	1034+76	78 RT	SCH A
	S21-35	1075+65	207 RT	SCH A
	S21-36	1075+66	159 RT	SCH A
	S21-30	1075+88	92 RT	SCH A
	S21-34	1076+93	146 LT	SCH A
	S21-31	1076+94	92 RT	SCH A
	S21-41	1077+04	154 LT	SCH A
	S21-42	1077+06	204 LT	SCH A


### END SECTION FOR CSP 24 INCH - 603.0003.0024 - CONTINUED

SHEET	STRUCTURE NAME	STATION	OFFSET	REMARKS
	S21-44	1077+17	141 LT	SCH A
	S22-7	1110+10	95 LT	SCH A
	S24-17	1234+42	111 LT	SCH A
	S24-16	1235+18	85 RT	SCH A
	S25-11	1289+09	83 LT	SCH A
	S26-2	1301+10	173 LT	SCH A
	S26-3	1301+17	120 LT	SCH A
	S27-3	1383+59	19 LT	SCH A
	S27-4	1383+61	90 LT	SCH A
	S28-2	1440+61	19 LT	SCH A
	S29-1	1455+59	19 LT	SCH A
	S29-3	1472+31	514 LT	SCH A
	S29-4	1476+36	438 LT	SCH A
	S29-8	1483+54	23 LT	SCH A
	S29-9	1483+58	119 LT	SCH A
	S32-2	1638+46	115 LT	SCH A
	S32-1	1638+46	42 LT	SCH A
	S32-3	1655+48	41 LT	SCH A
	S33-1	1688+48	37 LT	SCH A
	S33-2	1688+49	111 LT	SCH A
	S33-5	1720+45	109 LT	SCH A
	S33-4	1720+47	33 LT	SCH A
		TOTAL SCH A =	108 EA	
		TOTAL SCH B =	1 EA	

### END SECTION FOR CSP 36 INCH - 603.0003.0036

SHEET	STRUCTURE NAME	STATION	OFFSET	REMARKS
	S11-4	527+46	117 LT	SCH A
	S14-12	693+47	108 LT	SCH A
	S15-27	768+91	97 RT	SCH A
		TOTAL SCH A =	3 EA	
		TOTAL SCH B =	0 EA	

**PRELIMINARY**

 <b>9/4/2024</b>	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  <b>GLENN HWY:          AIRPORT HEIGHTS TO PARKS HWY          REHABILITATION</b>  <b>SUMMARY TABLES</b>
PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 ANCHORAGE, AK 99503 (907) 346-2373 CERT. OF AUTH. NO. AECL 1102	

DRIVEN PIPE 96 INCH - 603.2001.0096										
SHEET	PIPE	PIPE INLET			PIPE OUTLET			SLOPE (%)	QUANTITY (LF)	REMARKS
		STATION	OFFSET	ELEVATION	STATION	OFFSET	ELEVATION			
	P15-12	731+89	238 RT	239.9'	733+10	98 RT	237.1'	1.5%	185	SCH A, MP 15.33 CAROL CREEK
	P15-16	735+69	202 LT	230.7'	738+60	378 LT	223.1'	2.2%	340	SCH A, MP 15.35 CAROL CREEK
	P23-14	1161+65	107 RT	307.3'	1162+02	125 LT	306.7'	0.3%	234	SCH A, MP 23.5 MIRROR LAKE OUTLET
	P24-7	1198+92	101 RT	271.5'	1199+09	110 LT	268.9'	1.3%	212	SCH A, MP 24.2 EDMONDS CREEK
	P24-11	1223+15	114 RT	201.2'	1223+47	106 LT	193.9'	3.3%	223	SCH A, MP 24.6 UNNAMED CREEK
								TOTAL SCH A =	1194	
								TOTAL SCH B =	0	


CORRUGATED HDPE PIPE 24 INCH - 603.2032.0024										
SHEET	PIPE	PIPE INLET			PIPE OUTLET			SLOPE (%)	QUANTITY (LF)	REMARKS
		STATION	OFFSET	ELEVATION	STATION	OFFSET	ELEVATION			
	P2-8	57+21	68 LT	149.0'	57+12	2 LT	147.0'	3.1%	70	SCH A, AVG. COVER 4.8 FT
	P2-1	58+42	0 LT	149.6'	57+13	0 LT	147.0'	2.0%	131	SCH B
	P2-10	59+76	0 LT	152.3'	58+43	0 LT	149.7'	2.0%	133	SCH B
	P2-R3	74+78	1 RT	156.2'	74+12	3 LT	154.0'	3.4%	68	SCH B
	P2-28	79+11	97 LT	158.7'	79+11	4 LT	156.3'	2.6%	95	SCH A, AVG. COVER 3.5 FT
	PX-617	92+77	223 RT	177.4'	92+38	191 RT	176.8'	1.0%	53	SCH A, AVG. COVER 9.1 FT
	PX-618	93+18	275 RT	184.0'	92+80	226 RT	177.6'	10.4%	65	SCH A
	PX-619	253+50	2 RT	0.0'	253+50	97 RT	0.0'	0.0%	95	SCH B
	PX-620	271+23	7 RT	0.0'	271+23	85 RT	0.0'	0.0%	78	SCH B
	P6-12	276+82	92 RT	318.9'	276+79	3 RT	316.6'	2.5%	91	SCH A, AVG. COVER 6 FT
	P7-1	312+56	4 RT	349.8'	312+56	84 RT	349.5'	-0.5%	82	SCH A, AVG. COVER 3 FT
	P7-3	312+56	81 LT	350.4'	312+56	0 RT	350.0'	0.5%	84	SCH A, AVG. COVER 2.6 FT
	P7-5	313+60	2 RT	351.0'	312+58	2 RT	349.9'	1.1%	105	SCH B
	P9-3	425+25	27 LT	415.0'	425+25	118 LT	414.5'	0.6%	91	SCH A, AVG. COVER 3.1 FT
	P11-5	534+34	102 RT	0.0'	534+32	16 RT	0.0'	0.0%	86	SCH B
	P13-10	630+36	6 RT	0.0'	630+36	93 RT	0.0'	0.0%	87	SCH B
	P13-21	645+63	83 LT	281.4'	645+69	124 LT	280.3'	2.8%	41	SCH A, AVG. COVER 2.4 FT
	P14-21	711+26	23 LT	252.4'	709+70	23 LT	250.9'	1.0%	156	SCH B
	P14-22	712+77	23 LT	254.0'	711+27	23 LT	252.5'	1.0%	152	SCH B
	P15-1	714+27	23 LT	255.7'	712+79	23 LT	254.1'	1.0%	148	SCH B
	PX-626	755+17	25 LT	259.7'	753+44	24 LT	253.4'	3.7%	174	SCH B
	PX-627	756+83	26 LT	265.9'	755+17	25 LT	259.8'	3.7%	165	SCH B
	PX-628	758+44	26 LT	272.0'	756+83	26 LT	266.0'	3.7%	161	SCH B
	P17-23	842+60	171 LT	0.0'	843+71	156 LT	0.0'	0.0%	111	SCH A
	PX-633	855+15	91 RT	285.6'	855+17	153 RT	283.7'	3.1%	61	SCH A, AVG. COVER 3.7 FT
	P19-9	941+14	17 LT	218.4'	940+85	17 LT	217.6'	2.8%	29	SCH A
	PX-636	1019+59	111 LT	310.8'	1019+64	71 LT	309.6'	3.0%	40	SCH A, AVG. COVER 2.4 FT
	P21-18	1051+02	3 LT	317.5'	1048+95	3 LT	309.6'	3.8%	208	SCH B
	P21-19	1053+02	3 LT	325.3'	1051+03	3 LT	317.6'	3.9%	200	SCH B
	P21-20	1055+00	2 LT	333.0'	1053+04	3 LT	325.4'	3.9%	197	SCH B
	P22-2	1105+21	0 LT	372.9'	1107+18	1 LT	371.7'	0.6%	198	SCH B
	P22-3	1107+19	1 LT	371.6'	1109+21	1 LT	370.4'	0.6%	202	SCH B
	P22-4	1109+22	1 LT	370.4'	1111+24	1 LT	369.5'	0.4%	203	SCH B
	P23-1	1134+99	83 RT	338.3'	1135+17	138 RT	338.0'	0.5%	57	SCH A, AVG. COVER 4 FT
	P23-9	1146+21	0 LT	333.5'	1144+15	0 LT	332.8'	0.4%	207	SCH B
	P23-10	1148+06	1 LT	334.3'	1146+22	0 LT	333.6'	0.4%	185	SCH B
	P23-11	1150+21	1 LT	335.1'	1148+07	1 LT	334.4'	0.3%	214	SCH B
	P23-16	1167+92	1 LT	334.8'	1170+03	1 LT	334.5'	0.2%	211	SCH B
	P23-17	1170+03	1 LT	334.4'	1172+15	1 LT	334.2'	0.1%	212	SCH B
	P23-18	1172+15	1 LT	334.1'	1174+09	1 LT	334.0'	0.1%	195	SCH B
	P24-1	1196+22	195 LT	273.1'	1196+16	265 LT	272.7'	0.6%	71	SCH A, AVG. COVER 9.2 FT
	P24-12	1224+48	1 LT	217.0'	1226+42	2 LT	213.2'	2.0%	193	SCH B
	P24-13	1226+43	2 LT	213.1'	1228+32	2 LT	209.3'	2.0%	191	SCH B

DRIVEN PIPE 108 INCH - 603.2001.0108										
SHEET	PIPE	PIPE INLET			PIPE OUTLET			SLOPE (%)	QUANTITY (LF)	REMARKS
		STATION	OFFSET	ELEVATION	STATION	OFFSET	ELEVATION			
	P15-24	748+49	176 RT	216.6'	747+84	192 LT	210.6'	1.6%	374	SCH A, MP 15.6 FIRE CREEK
								TOTAL SCH A =	374	
								TOTAL SCH B =	0	

CORRUGATED HDPE PIPE 18 INCH - 603.2032.0018										
SHEET	PIPE	PIPE INLET			PIPE OUTLET			SLOPE (%)	QUANTITY (LF)	REMARKS
		STATION	OFFSET	ELEVATION	STATION	OFFSET	ELEVATION			
	PX-621	312+57	109 LT	0.0'	312+62	132 LT	0.0'	0.0%	24	SCH A
	PX-622	455+57	115 LT	440.0'	455+57	141 LT	439.3'	2.7%	26	SCH A
								TOTAL SCH A =	50	
								TOTAL SCH B =	0	

DESIGNED BY: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_ DRAFTED BY: \_\_\_\_\_  
 SCALE: \_\_\_\_\_ X" = 1'  
 TIME: \_\_\_\_\_  
 DATE: 9/4/2024 11:27 AM  
 DRAWING LOCATION: Z:\PROJECTS\009777 GLENN HWY AIRPORT HTS TO PARKS\DWGS\C\SHEETS\00945\_D6-D13\_SUMMARY.DWG

**PRELIMINARY**

 <b>9/4/2024</b>	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  <b>GLENN HWY:          AIRPORT HEIGHTS TO PARKS HWY          REHABILITATION</b>  <b>SUMMARY TABLES</b>
PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 ANCHORAGE, AK 99503 (907) 346-2373 CERT. OF AUTH. NO. AECL 1102	



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	D12	D20

Z:\PROJECTS\00977 GLENN HWY AIRPORT HTS TO PARKS\DWGS\C\SHEETS\00945\_D6-D13\_SUMMARY.DWG  
 DRAWING LOCATION  
 DATE 9/4/2024 11:28 AM  
 TIME  
 SCALE X" = XX'  
 DESIGNED BY  
 CHECKED BY  
 DRAFTED BY

END SECTION FOR CORRUGATED HDPE PIPE 18 INCH - 603.2033.0018				
SHEET	STRUCTURE NAME	STATION	OFFSET	REMARKS
	SX-658	312+57	109 LT	SCH A
	SX-659	312+62	132 LT	SCH A
	SX-660	455+57	115 LT	SCH A
	SX-661	455+57	141 LT	SCH A
TOTAL SCH A =			4 EA	
TOTAL SCH B =			0 EA	

END SECTION FOR CORRUGATED HDPE PIPE 36 INCH - 603.2033.0036				
SHEET	STRUCTURE NAME	STATION	OFFSET	REMARKS
	S6-14	276+75	127 LT	SCH A
	S7-16	339+34	239 LT	SCH A
	SX-663	483+50	104 LT	SCH B
	SX-779	746+96	206 RT	SCH A
	S18-7	887+71	83 RT	SCH A
	S18-8	887+74	123 LT	SCH A
	S19-1	918+69	75 RT	SCH A
	S19-2	918+72	120 LT	SCH A
	S19-6	922+06	124 LT	SCH A
	S19-5	922+06	76 RT	SCH A
	S20-5	999+35	80 RT	SCH A
TOTAL SCH A =			10 EA	
TOTAL SCH B =			1 EA	

END SECTION FOR CORRUGATED HDPE PIPE 24 INCH - 603.2033.0024				
SHEET	STRUCTURE NAME	STATION	OFFSET	REMARKS
	SX-655	253+50	97 RT	SCH B
	SX-657	271+23	85 RT	SCH B
	S11-6	534+34	102 RT	SCH B
	S13-11	630+36	93 RT	SCH B
	S13-21	645+63	83 LT	SCH A
	S13-22	645+69	124 LT	SCH A
	S17-23	842+60	171 LT	SCH A
	S17-24	843+71	156 LT	SCH A
	S20-12	1019+64	71 LT	SCH A
	S26-4	1301+24	115 LT	SCH A
	S29-2	1472+09	579 LT	SCH A
TOTAL SCH A =			7 EA	
TOTAL SCH B =			4 EA	

END SECTION FOR CORRUGATED HDPE PIPE 30 INCH - 603.2033.0030				
SHEET	STRUCTURE NAME	STATION	OFFSET	REMARKS
	S21-9	1034+94	94 RT	SCH A
	SX-684	1035+36	111 RT	SCH A
TOTAL SCH A =			2 EA	
TOTAL SCH B =			0 EA	

PRELIMINARY

<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <b>PIH</b>          9/4/2024       </div>	<p style="font-size: 8px;">STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES</p> <p style="font-weight: bold; font-size: 12px;">GLENN HWY: AIRPORT HEIGHTS TO PARKS HWY REHABILITATION</p> <p style="font-weight: bold; font-size: 14px;">SUMMARY TABLES</p>
PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 ANCHORAGE, AK 99503 (907) 346-2373 CERT. OF AUTH. NO. AECL 1102	



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	D13	D20

### END SECTION FOR CSP 24 INCH - SAFETY BARS - 603.2037.0024

SHEET	STRUCTURE NAME	STATION	OFFSET	REMARKS
	S2-28	79+11	97 LT	SCH A
	S3-6	129+29	161 RT	SCH A
	S8-5	377+97	90 LT	SCH A
	S8-4	377+97	8 LT	SCH A
	S8-9	391+45	6 LT	SCH A
	S8-12	392+01	4 RT	SCH A
	S10-4	467+85	90 LT	SCH A
	S10-3	467+87	8 LT	SCH A
	S10-9	484+87	11 LT	SCH A
	S10-10	484+89	96 LT	SCH A
	S15-7	730+47	112 LT	SCH A
	S17-25	84,222	269 LT	SCH A
	SX-672	84,228	317 LT	SCH A
	SX-677	85,816	101 RT	SCH A
	S17-44	85889.94	94 LT	SCH A
	S17-45	85891.34	129 LT	SCH A
	SX-769	914+21	57 RT	SCH A
	S21-40	1075+78	200 LT	SCH A
	S21-39	1075+90	152 LT	SCH A
	S26-13	1308+16	75 RT	SCH A
	TOTAL SCH A =		20 EA	
	TOTAL SCH B =		0 EA	

### END SECTION FOR CSP 36 INCH - SAFETY BARS - 603.2037.0036

SHEET	STRUCTURE NAME	STATION	OFFSET	REMARKS
	S7-15	338+80	102 LT	SCH A
	S7-17	343+94	103 RT	SCH A
	S10-1	455+54	11 LT	SCH A
	S11-1	509+90	12 RT	SCH A
	S11-2	509+95	75 LT	SCH A
	S11-3	527+48	10 RT	SCH A
	S18-17	900+87	92 LT	SCH A
	S18-16	900+88	73 RT	SCH A
	S33-3	1696+03	71 RT	48-INCH BOX, SCH A
	TOTAL SCH A =		9 EA	
	TOTAL SCH B =		0 EA	

DRAWING LOCATION Z:\PROJECTS\005777 GLENN HWY AIRPORT HTS TO PARKS\DWGS\C\DWGS\00545\_D6-D13\_SUMMARY.DWG  
 DATE 9/4/2024 TIME 11:28 AM SCALE 1" = 100'  
 DESIGNED BY CHECKED BY DRAFTED BY

**PRELIMINARY**

**PIH**  
 9/4/2024

PLANS DEVELOPED BY:  
 KINNEY ENGINEERING, LLC  
 3909 Arctic Blvd, Suite 400  
 ANCHORAGE, AK 99503  
 (907) 346-2373  
 CERT. OF AUTH. NO. AECL 1102

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES

**GLENN HWY:  
AIRPORT HEIGHTS TO PARKS HWY  
REHABILITATION**

**SUMMARY TABLES**

### STORM SEWER MANHOLE, TYPE I - 604.0001.0001

SHEET	STRUCTURE NAME	STATION	OFFSET	GRATE	REMARKS
	S2-9	57+11	0 LT	GUTTER INLET	SCH B
	S2-24	74+10	3 LT	GUTTER INLET	SCH B
	S6-13	276+79	1 RT	FIELD INLET	SCH A
	S7-1	312+56	2 RT	SOLID MANHOLE LID	SCH B
	S7-19	343+49	2 RT	SOLID MANHOLE LID	SCH A
	S15-21	747+10	70 RT	FIELD INLET	SCH A
	S15-28	768+73	96 LT	FIELD INLET	SCH A
	SX-679	999+35	10 LT	SOLID MANHOLE LID	SCH A
				TOTAL SCH A =	5 EA
				TOTAL SCH B =	3 EA

### ADJUST EXISTING MANHOLE - 604.0004.0000

SHEET	STATION	OFFSET	REMARKS
	54+11	66 RT	SCH A
	82+12	66 RT	SCH A
	85+11	69 RT	SCH A
	87+11	69 RT	SCH A
	89+09	69 RT	SCH A
TOTAL SCH A =		5 EA	
TOTAL SCH B =		0 EA	

### STORM SEWER MANHOLE, TYPE III - 604.0001.0003

SHEET	STRUCTURE NAME	STATION	OFFSET	GRATE	REMARKS
	S2-9	57+11	0 LT	GUTTER INLET	SCH B
				TOTAL SCH A =	0 EA
				TOTAL SCH B =	1 EA

### INLET, TYPE A - 604.0005.000A - CONTINUED

SHEET	STRUCTURE NAME	STATION	OFFSET	GRATE	REMARKS
	S2-R1	58+42	0 LT	GUTTER INLET	SCH B
	S4-16	200+04	1 RT	GUTTER INLET	SCH B
	S4-17	201+97	1 RT	GUTTER INLET	SCH B
	S14-21	711+26	23 LT	GUTTER INLET	SCH B
	S14-22	712+78	23 LT	GUTTER INLET	SCH B
	SX-669	755+17	25 LT	GUTTER INLET	SCH B
	SX-670	756+83	26 LT	GUTTER INLET	SCH B
	S17-12	840+23	181 RT	GUTTER INLET	SCH A
	S17-30	843+61	245 LT	GUTTER INLET	SCH A
	S17-34	850+38	143 RT	GUTTER INLET	SCH A
	SX-674	852+55	88 RT	GUTTER INLET	SCH A
	S20-11	1019+59	111 LT	FIELD INLET	SCH A
	S21-14	1042+90	11 LT	FIELD INLET	SCH A
	S21-18	1051+03	3 LT	GUTTER INLET	SCH B
	S21-19	1053+03	3 LT	GUTTER INLET	SCH B
	S22-3	1107+19	1 LT	GUTTER INLET	SCH B
	S22-4	1109+21	1 LT	GUTTER INLET	SCH B
	S23-6	1140+79	92 RT	FIELD INLET	SCH A
	S23-5	1140+80	1 LT	FIELD INLET	SCH A
	S23-9	1146+22	0 LT	GUTTER INLET	SCH B
	S23-10	1148+07	1 LT	GUTTER INLET	SCH B
	S23-16	1170+03	1 LT	GUTTER INLET	SCH B
	S23-17	1172+15	1 LT	GUTTER INLET	SCH B
	S24-3	1197+00	0 LT	FIELD INLET	SCH A
	S24-13	1226+42	2 LT	GUTTER INLET	SCH B
	S24-14	1228+33	2 LT	GUTTER INLET	SCH B
	S25-4	1270+76	2 LT	FIELD INLET	SCH A
	S25-7	1277+45	3 LT	GUTTER INLET	SCH B
	S25-8	1279+31	3 LT	GUTTER INLET	SCH B
	S26-12	1308+23	125 RT	FIELD INLET	SCH A

### RECONSTRUCT EXISTING MANHOLE - 604.0003.0000

SHEET	STRUCTURE NAME	STATION	OFFSET	GRATE	REMARKS
	S1-30	45+08	95 RT	SOLID MANHOLE LID	SCH A
	S1-32	48+11	69 RT	SOLID MANHOLE LID	SCH A
	S2-1	51+11	68 RT	SOLID MANHOLE LID	SCH A
	S2-6	57+11	64 RT	SOLID MANHOLE LID	SCH A
	S2-8	57+21	70 LT	SOLID MANHOLE LID	SCH A
	S2-11	60+12	65 RT	SOLID MANHOLE LID	SCH A
	S2-12	63+12	66 RT	SOLID MANHOLE LID	SCH A
	S2-14	66+11	69 RT	SOLID MANHOLE LID	SCH A
	S2-17	68+12	71 RT	SOLID MANHOLE LID	SCH A
	S2-20	71+10	71 RT	SOLID MANHOLE LID	SCH A
	S2-21	74+12	76 RT	SOLID MANHOLE LID	SCH A
	S2-25	76+99	69 RT	SOLID MANHOLE LID	SCH A
	S2-29	79+11	2 LT	FIELD INLET	SCH A
	S2-26	79+12	88 RT	SOLID MANHOLE LID	SCH A
	S2-36	87+11	91 RT	FIELD INLET	SCH A
	S2-42	91+58	68 RT	SOLID MANHOLE LID	SCH A
	S2-76	92+37	190 RT	CURB INLET	SCH A
	S2-79	92+79	224 RT	FIELD INLET	SCH A
	S2-46	94+60	68 RT	SOLID MANHOLE LID	SCH A
	S2-80	94+96	175 RT	SOLID MANHOLE LID	SCH A
	S2-49	96+10	69 RT	SOLID MANHOLE LID	SCH A
	S2-52	98+66	68 RT	SOLID MANHOLE LID	SCH A
	A2	747+58	86 RT	SOLID MANHOLE LID	SCH A
				TOTAL SCH A =	23 EA
				TOTAL SCH B =	0 EA

**PRELIMINARY**



PLANS DEVELOPED BY:  
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CERT. OF AUTH. NO. AECL 1102

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
**GLENN HWY:  
AIRPORT HEIGHTS TO PARKS HWY  
REHABILITATION**  
  
SUMMARY TABLES

DRAWING LOCATION Z:\PROJECTS\00577 GLENN HWY AIRPORT HTS TO PARKS\DWGS\C\SHEETS\00545-D14-D17-SUMMARY.DWG  
 DATE 9/4/2024 11:28 AM  
 TIME  
 SCALE X" = XX'  
 DESIGNED BY  
 CHECKED BY  
 DRAFTED BY

DESIGNED BY \_\_\_\_\_ CHECKED BY \_\_\_\_\_ DRAFTED BY \_\_\_\_\_  
 SCALE X" = XX'  
 TIME 11:28 AM  
 DATE 9/4/2024  
 DRAWING LOCATION Z:\PROJECTS\00577 GLENN HWY AIRPORT HTS TO PARKS\DWGS\C SHEETS\00545-D14-D17\_SUMMARY.DWG

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	D15	D20

**INLET, TYPE A - 604.0005.000A - CONTINUED**

SHEET	STRUCTURE NAME	STATION	OFFSET	GRATE	REMARKS
	S26-18	1315+67	0 LT	FIELD INLET	SCH A
	S26-20	1321+48	1 LT	GUTTER INLET	SCH B
	S26-21	1323+34	1 LT	GUTTER INLET	SCH B
	S28-4	1446+36	9 LT	GUTTER INLET	SCH B
	S28-5	1448+34	9 LT	GUTTER INLET	SCH B
TOTAL SCH A =			12 EA		
TOTAL SCH B =			23 EA		

**INLET, TYPE D - 604.0005.000D**

SHEET	STRUCTURE NAME	STATION	OFFSET	REMARKS
	S3-2	120+83	76 RT	SCH B
	S3-5	128+86	193 RT	SCH A
	S5-5	240+75	93 RT	SCH A
	SX-656	271+23	7 RT	SCH B
	S7-2	312+56	84 RT	SCH A
	S8-2	375+39	75 LT	SCH B
	S8-10	391+46	85 LT	SCH A
	S9-1	418+90	17 LT	SCH A
	S9-4	425+25	118 LT	SCH A
	S14-20	709+70	23 LT	SCH B
	SX-675	855+17	153 RT	SCH A
	S19-8	940+85	17 LT	SCH A
	S21-2	1031+32	90 RT	SCH A
	S22-17	1129+59	209 LT	SCH A
	S23-2	1135+17	138 RT	SCH A
	S24-2	1196+16	265 LT	SCH A
	SX-692	1217+23	6 RT	SCH A
	S26-5	1302+12	86 LT	SCH A
	SX-693	1303+29	121 LT	SCH A
	S26-11	1306+06	76 LT	SCH A
	S28-2X	1410+59	86 LT	SCH A
TOTAL SCH A=			17 EA	
TOTAL SCH B=			4 EA	

**INLET, TYPE C - 604.0005.000C**

SHEET	STRUCTURE NAME	STATION	OFFSET	REMARKS
	S2-23	74+12	87 LT	SCH A
	S3-1	120+83	11 RT	SCH B
	S3-3	125+11	5 RT	SCH A
	S4-13	193+98	9 LT	SCH A
	S4-15	198+50	1 RT	SCH B
	S5-6	240+75	11 RT	SCH A
	SX-654	253+50	2 RT	SCH B
	S6-8	264+98	15 RT	SCH A
	S6-12	276+82	92 RT	SCH A
	S7-4	312+56	81 LT	SCH A
	S7-13	337+99	88 RT	SCH A
	S8-11	392+01	83 RT	SCH A
	S9-2	419+89	17 LT	SCH A
	SX-662	483+48	4 LT	SCH B
	S11-5	534+32	16 RT	SCH B
	SX-664	556+97	6 RT	SCH B
	S13-10	630+36	6 RT	SCH B
	S15-1	714+27	23 LT	SCH B
	SX-676	855+15	91 RT	SCH A
	SX-678	858+09	57 RT	SCH A
	S19-9	941+14	17 LT	SCH A
	SX-680	1031+03	64 RT	SCH A
	SX-681	1034+49	3 RT	SCH A
	SX-687	1093+62	93 RT	SCH A
	S22-16	1129+67	273 LT	SCH A
	S23-1	1134+99	83 RT	SCH A
	S24-1	1196+22	195 LT	SCH A
	S25-2	1261+34	113 RT	SCH A
	S26-8	1303+52	79 RT	SCH A
	S26-9	1303+93	2 LT	SCH A
	S28-1	1410+61	16 LT	SCH A
TOTAL SCH A =			23 EA	
TOTAL SCH B =			8 EA	

**INLET, TYPE E - 604.0005.000E**

SHEET	STRUCTURE NAME	STATION	OFFSET	GRATE	REMARKS
	S7-20	342+90	140 LT	OUTLET	SCH A
	S10-2	455+56	91 LT	INLET	SCH A
	S20-6	999+36	76 LT	INLET	SCH A
	S22-6	1110+05	68 RT	INLET	SCH A
TOTAL SCH A =			4 EA		
TOTAL SCH B =			0 EA		

**PRELIMINARY**

  
**9/4/2024**

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STATE OF ALASKA  
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**GLENN HWY:  
 AIRPORT HEIGHTS TO PARKS HWY  
 REHABILITATION**

**SUMMARY TABLES**

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	D16	D20

**INLET, TYPE F - 604.0005.000F**

SHEET	STRUCTURE NAME	STATION	OFFSET	REMARKS
	S2-10	59+76	0 LT	SCH B
	S2-R2	74+78	1 RT	SCH B
	S4-1	158+50	13 LT	SCH A
	S4-18	203+49	0 RT	SCH B
	S7-5	313+60	2 RT	SCH B
	S8-1	375+39	14 LT	SCH B
	S9-3	425+25	27 LT	SCH A
	S15-6	729+69	177 LT	SCH A
	SX-668	753+44	24 LT	TYPE G INLET BOX, SCH B
	SX-671	758+44	26 LT	SCH B
	S21-17	1048+95	3 LT	TYPE G INLET BOX, SCH B
	S21-20	1055+00	2 LT	SCH B
	S22-2	1105+21	0 LT	SCH B
	S22-5	1111+24	1 LT	TYPE G INLET BOX, SCH B
	S23-8	1144+15	0 LT	TYPE G INLET BOX, SCH B
	S23-11	1150+21	1 LT	SCH B
	S23-15	1167+92	1 LT	SCH B
	S23-18	1174+09	1 LT	TYPE G INLET BOX, SCH B
	S24-12	1224+48	1 LT	SCH B
	S24-15	1230+54	2 LT	TYPE G INLET BOX, SCH B
	S25-6	1275+48	3 LT	SCH B
	S25-9	1281+57	3 LT	TYPE G INLET BOX, SCH B
	S26-19	1319+47	2 LT	TYPE G INLET BOX, SCH B
	S26-22	1325+50	1 LT	SCH B
	S28-3	1443+59	9 LT	SCH B
	S28-6	1450+43	9 LT	TYPE G INLET BOX, SCH B
		TOTAL SCH A=	3 EA	
		TOTAL SCH B=	23 EA	

**OIL AND GRIT SEPARATOR - 604.2011.0000**

SHEET	STRUCTURE NAME	STATION	OFFSET	GRATE	REMARKS
	SX-683	1035+14	103 RT		72-INCH, SCH A
		TOTAL SCH A=	1 EA		
		TOTAL SCH B=	0 EA		

**W-BEAM GUARDRAIL - 606.0001.0000**

SHEET	FROM STA	OFFSET	END STA	OFFSET	QUANTITY (LF)	REMARKS
	"D2" 02+30	6' LT	"D2" 07+07	6' LT	478	JBER NB
	"EP4" 30+91	34' LT	"EP4" 32+58	65' LT	175	NORTH EAGLE RIVER SB
	"EP4" 30+16	6' RT	"EP4" 32+39	14' RT	225	NORTH EAGLE RIVER SB
	"SBL4" 06+04	22' LT	"SBL4" 10+02	32' LT	400	SOUTH BIRCHWOOD SB
	"SBL4" 10+25	22' LT	"SBL4" 29+33	46' LT	1913	SOUTH BIRCHWOOD SB
	"SBL4" 18+68	6' RT	"SBL4" 21+43	6' RT	275	SOUTH BIRCHWOOD SB
	"NBL4" 18+56	6' RT	"NBL4" 21+80	26' RT	349	NORTH BIRCHWOOD SB
	"NBL2" 09+00	22' RT	"NBL2" 16+65	13' RT	762	NORTH BIRCHWOOD NB
	"P4" 07+22	22' LT	"P4" 16+89	24' LT	970	MIRROR LAKE SB
	"EV4" 20+27	30' RT	"EV4" 20+29	82' RT	70	EKLUTNA SB
	"EV2" 00+31	39' LT	"EV2" 00+86	8' LT	77	EKLUTNA NB
	"EV2" 16+50	24' RT	"EV2" 19+50	9' RT	301	EKLUTNA NB
	"G1" 733+90	32' RT	"G1" 737+90	32' RT	400	N EAGLE RIVER BRIDGE
	"G1" 735+83	42' LT	"G1" 739+83	40' LT	400	N EAGLE RIVER BRIDGE
	"G1" 1020+18	18' RT	"G1" 1024+80	11' RT	462	NORTH BIRCHWOOD
	"G1" 1023+05	27' LT	"G1" 1027+67	27' LT	462	NORTH BIRCHWOOD
	"G1" 1487+04	9' RT	"G1" 1491+54	4' RT	450	OLD GLENN
	"G1" 1489+57	43' LT	"G1" 1494+12	45' LT	450	OLD GLENN
				TOTAL SCH A=	8,619	
				TOTAL SCH B=	0	

**RECONSTRUCT EXISTING INLET - 604.0010.0000**

SHEET	STRUCTURE NAME	STATION	OFFSET	GRATE	REMARKS
	S1-25	40+54	77 RT	FIELD INLET	SCH A
	S2-13	63+09	3 LT	FIELD INLET	SCH A
	S2-75	90+98	158 RT	FIELD INLET	SCH A
	S2-77	93+19	276 RT	CURB INLET	SCH A
		751+83	26 LT	FIELD INLET	SCH A
		1008+88	20 LT	FIELD INLET	SCH A
		TOTAL SCH A=	6 EA		
		TOTAL SCH B=	0 EA		

**REPLACE INLET GRATE - 604.0013.0000**

SHEET	STRUCTURE NAME	STATION	OFFSET	GRATE	REMARKS
	S29-10	1489+81	4 LT	FIELD INLET	
		TOTAL SCH A=	1 EA		
		TOTAL SCH B=	0 EA		

**PRELIMINARY**

  
**9/4/2024**

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STATE OF ALASKA  
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 AIRPORT HEIGHTS TO PARKS HWY  
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**SUMMARY TABLES**

DRAWING LOCATION: Z:\PROJECTS\005777 GLENN HWY AIRPORT HTS TO PARKS HWY\DWGS\C\SHEETS\00545\_D14-D17\_SUMMARY.DWG  
 DATE: 9/4/2024 11:28 AM  
 SCALE: X" = XX'  
 DESIGNED BY: [ ]  
 CHECKED BY: [ ]  
 DRAFTED BY: [ ]

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	D17	D20

**REMOVING AND DISPOSING OF GUARDRAIL - 606.0006.0000**

SHEET	FROM STA	OFFSET	END STA	OFFSET	QUANTITY (LF)	REMARKS
	"D2" 02+29	6' LT	"D2" 07+07	0' RT	478	JBER NB
	"EP4" 30+16	10' RT	"EP4" 32+39	14' RT	225	NORTH EAGLE RIVER SB
	"EP4" 30+94	38' LT	"EP4" 32+30	52' LT	141	NORTH EAGLE RIVER SB
	"SBL4" 06+66	9' LT	"SBL4" 09+04	17' LT	239	SOUTH BIRCHWOOD SB
	"SBL4" 10+25	16' LT	"SBL4" 29+12	41' LT	1890	SOUTH BIRCHWOOD SB
	"SBL4" 18+74	3' RT	"SBL4" 21+32	3' RT	258	SOUTH BIRCHWOOD SB
	NBL4" 16+38	39' LT	NBL4" 20+47	46' LT	416	NORTH BIRCHWOOD SB
	NBL4" 16+38	41' LT	NBL4" 20+46	48' LT	414	NORTH BIRCHWOOD SB
	NBL4" 18+62	6' RT	NBL4" 21+80	26' RT	346	NORTH BIRCHWOOD SB
	"NBL2" 08+50	26' RT	"NBL2" 16+50	13' RT	811	NORTH BIRCHWOOD NB
	"P4" 07+21	17' LT	"P4" 16+95	18' LT	970	MIRROR LAKE SB
	"EV4" 20+29	32' RT	"EV4" 20+41	69' RT	44	EKLUTNA SB
	"EV2" 00+31	39' LT	"EV2" 00+85	6' LT	81	EKLUTNA NB
	"EV2" 17+75	15' RT	"EV2" 19+50	9' RT	176	EKLUTNA NB
					TOTAL SCH A= 6,489	
					TOTAL SCH B= 0	

**PARALLEL GUARDRAIL TERMINAL - 606.0013.0000**

SHEET	FROM STA	OFFSET	END STA	OFFSET	QUANTITY (EACH)	REMARKS
	"D2" 02+30	6' LT	"D2" 02+30	6' LT	1	JBER NB
	"D2" 07+07	6' LT	"D2" 07+07	6' LT	1	JBER NB
	"EP4" 30+16	6' RT	"EP4" 30+16	6' RT	1	NORTH EAGLE RIVER SB
	"EP4" 30+91	34' LT	"EP4" 30+91	34' LT	1	NORTH EAGLE RIVER SB
	"EP4" 32+58	65' LT	"EP4" 32+58	65' LT	1	NORTH EAGLE RIVER SB
	"SBL4" 06+04	22' LT	"SBL4" 06+04	22' LT	1	SOUTH BIRCHWOOD SB
	"SBL4" 10+02	32' LT	"SBL4" 10+02	32' LT	1	SOUTH BIRCHWOOD SB
	"SBL4" 10+25	22' LT	"SBL4" 10+25	22' LT	1	SOUTH BIRCHWOOD SB
	"SBL4" 18+68	6' RT	"SBL4" 18+68	6' RT	1	SOUTH BIRCHWOOD SB
	"SBL4" 21+43	6' RT	"SBL4" 21+43	6' RT	1	SOUTH BIRCHWOOD SB
	"SBL4" 29+33	46' LT	"SBL4" 29+33	46' LT	1	SOUTH BIRCHWOOD SB
	NBL4" 16+39	39' LT	NBL4" 16+39	39' LT	1	NORTH BIRCHWOOD SB
	NBL4" 18+52	6' RT	NBL4" 18+52	6' RT	1	NORTH BIRCHWOOD SB
	NBL4" 20+72	50' LT	NBL4" 20+72	50' LT	1	NORTH BIRCHWOOD SB
	NBL4" 21+09	22' LT	NBL4" 21+09	22' LT	1	NORTH BIRCHWOOD SB
	"NBL2" 08+50	24' RT	"NBL2" 08+50	24' RT	1	NORTH BIRCHWOOD NB
	"P4" 07+22	22' LT	"P4" 07+22	22' LT	1	MIRROR LAKE SB
	"P4" 16+89	24' LT	"P4" 16+89	24' LT	1	MIRROR LAKE SB
	"EV4" 20+27	30' RT	"EV4" 20+27	30' RT	1	EKLUTNA SB
	"EV2" 17+00	22' RT	"EV2" 17+00	22' RT	1	EKLUTNA NB
	"G1" 733+90	32' RT	"G1" 737+90	32' RT	2	N EAGLE RIVER BRIDGE
	"G1" 735+83	42' LT	"G1" 739+83	40' LT	2	N EAGLE RIVER BRIDGE
	"G1" 1020+18	18' RT	"G1" 1024+80	11' RT	2	NORTH BIRCHWOOD
	"G1" 1023+05	27' LT	"G1" 1027+67	27' LT	2	NORTH BIRCHWOOD
	"G1" 1487+04	9' RT	"G1" 1491+54	4' RT	2	OLD GLENN
	"G1" 1489+57	43' LT	"G1" 1494+12	45' LT	2	OLD GLENN
					TOTAL SCH A= 32	
					TOTAL SCH B= 0	

**DOUBLE-FACED, W-BEAM GUARDRAIL - 606.0008.0000**

SHEET	FROM STA	OFFSET	END STA	OFFSET	QUANTITY (LF)	REMARKS
	"NBL4" 16+38	40' LT	"NBL4" 19+89	23' LT	351	NORTH BIRCHWOOD SB
					TOTAL SCH A= 351	
					TOTAL SCH B= 0	

DESIGNED BY: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_ DRAFTED BY: \_\_\_\_\_  
 SCALE: X" = XX'  
 TIME: 9/4/2024 11:28 AM  
 DATE: 9/4/2024  
 DRAWING LOCATION: Z:\PROJECTS\00577 GLENN HWY AIRPORT HTS TO PARKS\DWGS\C\SHEETS\00545\_D14-D17\_SUMMARY.DWG

**PRELIMINARY**



PLANS DEVELOPED BY:  
 KINNEY ENGINEERING, LLC  
 3909 Arctic Blvd, Suite 400  
 ANCHORAGE, AK 99503  
 (907) 346-2373  
 CERT. OF AUTH. NO. AECL 1102

STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
**GLENN HWY:  
 AIRPORT HEIGHTS TO PARKS HWY  
 REHABILITATION**

SUMMARY TABLES



DESIGNED BY: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_ DRAFTED BY: \_\_\_\_\_  
 SCALE: X" = XX'  
 DATE: 9/4/2024 11:28 AM  
 TIME: \_\_\_\_\_  
 DRAWING LOCATION: Z:\PROJECTS\00577 GLENN HWY AIRPORT HTS TO PARKS\DWGS\C\SHEETS\00545-D18-D20-SUMMARY.DWG

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	D18	D20


CHAIN LINK FENCE - 607.0003.0000						
SHEET	FROM STA	OFFSET	END STA	OFFSET	QUANTITY (LF)	REMARKS
	"NBL4" 19+89	23' LT	"NBL4" 21+38.34	48' LT	151	N EAGLE RIVER SB
					TOTAL SCH A= 151	
					TOTAL SCH B= 0	

RECONSTRUCTED FENCE - 607.0004.0000						
SHEET	FROM STA	OFFSET	END STA	OFFSET	QUANTITY (LF)	REMARKS
	"NBL4" 16+10	42' LT	"NBL4" 19+89	23' LT	380	NORTH BIRCHWOOD SB
	"NBL2" 00+65	54' RT	"NBL2" 00+91	46' RT	69	NORTH BIRCHWOOD NB
	"S4" 02+98	42' LT	"S4" 04+44	42' LT	148	SOUTH PETERS CREEK SB
	"EV4" 01+22	34' LT	"EV4" 17+85	28' LT	1,652	EKLUTNA SB
					TOTAL SCH A= 2,249	
					TOTAL SCH B= 0	

CONCRETE SIDEWALK, 4 INCHES THICK - 608.0001.0004						
SHEET	FROM STA	OFFSET	END STA	OFFSET	QUANTITY (SY)	REMARKS
	"EP4" 32+73	75' LT	"EP4" 32+74	90' LT	13	N EAGLE RIVER SB
	"EP4" 32+67	61' LT	"EP4" 32+67	82' LT	24	N EAGLE RIVER SB
	"EP4" 32+61	5' RT	"EP4" 32+79	27' RT	19	N EAGLE RIVER SB
	"NBL2" 00+09	61' RT	"NBL2" 00+34	40' RT	29	NORTH BIRCHWOOD NB
	"NBL2" 00+37	38' RT	"NBL2" 00+67	25' RT	29	NORTH BIRCHWOOD NB
	"NBL2" 00+24	34' RT	"NBL2" 00+36	26' RT	9	NORTH BIRCHWOOD NB
					TOTAL SCH A= 123	
					TOTAL SCH B= 0	

ASPHALT PATHWAY - 608.2002.0000						
SHEET	FROM STA	OFFSET	END STA	OFFSET	QUANTITY (TON)	REMARKS
	"D4" 10+00	49' LT	"D4" 15+30	44' LT	54	JBER SB
	"D4" 29+60	47' LT	"D4" 30+00	84' RT	8	JBER SB
	"SBL2" 21+45	77' RT	"SBL2" 28+31	24' RT	68	SOUTH BIRCHWOOD NB
	"NBL2" 00+54	77' RT	"NBL2" 00+76	24' RT	3	NORTH BIRCHWOOD NB
	"G1" 101+29	171 LT	"G1" 165+96	463 LT	656	
	"G1" 246+44	122 LT	"G1" 249+44	122 LT	31	
	"G1" 268+70	85 LT	"G1" 273+20	108 LT	56	
	"G1" 268+79	113 LT	"G1" 289+27	115 LT	32	
	"G1" 302+10	119 LT	"G1" 307+35	123 LT	57	
	"G1" 335+98	419 LT	"G1" 336+12	394 LT	5	
	"G1" 360+50	116 LT	"G1" 397+24	115 LT	412	
	"G1" 410+72	129 LT	"G1" 423+38	130 LT	158	
	"G1" 444+00	116 LT	"G1" 466+53	121 LT	249	
	"G1" 479+00	122 LT	"G1" 486+80	128 LT	79	
	"G1" 518+00	60 LT	"G1" 542+70	298 LT	245	
	"G1" 651+80	94 RT	"G1" 652+04	94 RT	3	
	"G1" 661+00	113 RT	"G1" 676+31	119 RT	155	
	"G1" 692+54	72 RT	"G1" 694+08	71 RT	20	
	"G1" 699+50	52 RT	"G1" 721+00	88 RT	271	
	"G1" 732+60	228 RT	"G1" 735+50	396 RT	45	
	"G1" 751+06	133 RT	"G1" 772+23	66 RT	272	
	"G1" 774+37	63 RT	"G1" 779+11	100 RT	61	
	"G1" 792+31	79 RT	"G1" 803+48	63 RT	140	
	"G1" 818+70	66 RT	"G1" 820+20	73 RT	20	
	"G1" 827+09	54 RT	"G1" 831+61	92 RT	46	
	"G1" 835+67	101 RT	"G1" 842+05	236 RT	66	
	"G1" 860+18	115 RT	"G1" 869+15	56 RT	100	
	"G1" 914+15	67 RT	"G1" 921+01	60 RT	64	
	"G1" 937+62	65 RT	"G1" 947+53	70 RT	97	
	"G1" 971+19	70 RT	"G1" 981+07	66 RT	96	
	"G1" 1000+54	69 RT	"G1" 1001+89	72 RT	14	
	"G1" 1007+46	74 RT	"G1" 1021+22	216 RT	137	
					TOTAL SCH A= 3,720	
					TOTAL SCH B= 0	

**PRELIMINARY**

 <b>9/4/2024</b>	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  <b>GLENN HWY:          AIRPORT HEIGHTS TO PARKS HWY          REHABILITATION</b>  <b>SUMMARY TABLES</b>
PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 ANCHORAGE, AK 99503 (907) 346-2373 CERT. OF AUTH. NO. AECL 1102	

Z:\PROJECTS\005777 GLENN HWY AIRPORT HTS TO PARKS\DWGS\C\SHEETS\00545-D18-D20-SUMMARY.DWG  
 DRAWING LOCATION  
 DATE 9/4/2024 11:28 AM  
 TIME  
 SCALE 1" = 30'  
 DESIGNED BY  
 CHECKED BY  
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	D19	D20

CURB RAMP - 608.0006.0000						
SHEET	FROM STA	OFFSET	END STA	OFFSET	QUANTITY (EA)	REMARKS
	"EP4" 32+67	64' LT	"EP4" 32+75	71' LT	1	NORTH EAGLE RIVER SB
	"EP4" 32+71	9' RT	"EP4" 32+75	14' RT	1	NORTH EAGLE RIVER SB
	"NBL2" 00+28	31' RT	"NBL2" 00+32	29' RT	1	NORTH BIRCHWOOD NB
					TOTAL SCH A=	3
					TOTAL SCH B=	0

DETECTABLE WARNING TILE - 608.2017.0000						
SHEET	FROM STA	OFFSET	END STA	OFFSET	QUANTITY (EA)	REMARKS
	"D4" 29+80	36' LT	"D4" 29+85	41' LT	1	JBER SB
	"D4" 39+42	8' RT	"D4" 30+46	2' RT	1	JBER SB
	"NBL2" 00+57	26' LT	"NBL2" 00+61	22' LT	1	NORTH BIRCHWOOD NB
					TOTAL SCH A=	3
					TOTAL SCH B=	0

CURB AND GUTTER, TYPE 1 - 609.0002.0001						
SHEET	FROM STA	OFFSET	END STA	OFFSET	QUANTITY (LF)	REMARKS
	"EP4" 32+28	6' RT	"EP4" 32+81	27' RT	38	N EAGLE RIVER SB
	"EP4" 32+48	51' LT	"EP4" 32+85	81' LT	62	N EAGLE RIVER SB
	"SBL2" 00+28	18' LT	"SBL2" 00+56	6' LT	33	SOUTH BIRCHWOOD NB
	"SBL2" 00+56	6' LT	"SBL2" 00+67	8' LT	10	SOUTH BIRCHWOOD NB
	"SBL2" 00+32	54' RT	"SBL2" 00+64	28' RT	42	SOUTH BIRCHWOOD NB
	"SBL2" 07+49	22' RT	"SBL2" 13+88	22' RT	645	SOUTH BIRCHWOOD NB
	"SBL2" 13+88	22' RT	"SBL2" 13+98	23' RT	10	SOUTH BIRCHWOOD NB
	NBL2" 00+10	54' RT	NBL2" 00+68	24' RT	73	NORTH BIRCHWOOD NB
					TOTAL SCH A=	913
					TOTAL SCH B=	0

PRELIMINARY

<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <b>PIH</b> </div> <b>9/4/2024</b>	<p style="font-size: 8px; margin: 0;">STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES</p> <p style="font-weight: bold; font-size: 12px; margin: 5px 0;">GLENN HWY: AIRPORT HEIGHTS TO PARKS HWY REHABILITATION</p> <p style="font-weight: bold; font-size: 14px; margin: 10px 0;">SUMMARY TABLES</p> <p style="font-size: 8px; margin: 0;">PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 ANCHORAGE, AK 99503 (907) 346-2373 CERT. OF AUTH. NO. AECL 1102</p>
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DRAWING LOCATION Z:\PROJECTS\009777 GLENN HWY AIRPORT HTS TO PARKS\DWGS\C\ SHEETS\00945\_D18-D20\_SUMMARY.DWG  
 DATE 9/4/2024 11:28 AM  
 TIME  
 SCALE 1" = 40'  
 DESIGNED BY  
 CHECKED BY  
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	D20	D20

**CURED-IN-PLACE PIPE 24 INCH - 656.2001.0024**

SHEET	PIPE	PIPE INLET			PIPE OUTLET			SLOPE (%)	QUANTITY (LF)	REMARKS
		STATION	OFFSET	ELEVATION	STATION	OFFSET	ELEVATION			
	P2-48	94+61	1 LT	173.1'	94+60	68 RT	169.7'	5.0%	69	SCH A
	P2-53	98+61	114 RT	186.2'	98+66	70 RT	179.9'	14.2%	46	SCH A
	P6-4b	261+88	2 LT	312.7'	261+59	129 LT	312.7'	0.0%	130	SCH A
	P6-8	264+98	15 RT	314.6'	265+01	87 RT	318.8'	-5.8%	73	SCH A
	P16-2	790+18	81 RT	322.9'	790+18	127 LT	-1.0'	155.9%	208	SCH A
	P17-1	826+86	81 RT	285.2'	826+87	149 LT	282.1'	1.4%	230	SCH A
	P17-10	835+07	142 LT	281.5'	834+88	254 LT	270.1'	10.0%	114	SCH A
	P17-28	843+26	569 LT	271.1'	842+80	597 LT	270.9'	0.4%	55	SCH A
	P17-32	844+01	243 LT	278.3'	844+09	288 LT	276.3'	4.4%	46	SCH A
	P18-1	867+81	27 LT	253.2'	867+80	117 LT	246.3'	7.6%	91	SCH A
	P18-3	871+82	71 RT	242.7'	871+79	109 LT	242.1'	0.3%	181	SCH A
	P18-10	889+63	21 LT	235.6'	889+60	103 LT	230.5'	6.2%	83	SCH A
	P18-12	891+86	73 RT	235.5'	891+86	98 LT	233.7'	1.1%	172	SCH A
	P19-16	959+96	75 RT	226.0'	959+94	72 LT	224.8'	0.8%	147	SCH A
	P19-18	968+28	88 RT	229.0'	968+20	98 LT	226.4'	1.4%	185	SCH A
	P21-4a	1034+43	59 LT	284.9'	1034+07	56 LT	284.0'	2.5%	37	SCH A
	P21-43	1077+17	2 LT	369.5'	1077+17	141 LT	354.1'	11.0%	141	SCH A
	P22-6	1110+05	68 RT	365.1'	1110+10	95 LT	358.5'	4.1%	163	SCH A
	P22-RN	1119+09	94 RT	346.0'	1117+47	132 LT	341.0'	1.8%	278	SCH A
	P23-5a	1140+80	10 RT	328.0'	1140+79	81 RT	326.2'	2.4%	71	SCH A
	PX-699	1140+82	75 LT	331.8'	1140+81	12 LT	328.8'	4.7%	63	SCH A
	P24-16	1235+18	85 RT	186.7'	1234+42	111 LT	183.3'	1.6%	210	SCH A
								TOTAL SCH A=	2,791	
								TOTAL SCH B=	0	

**CURED-IN-PLACE PIPE 48 INCH - 656.2001.0048**

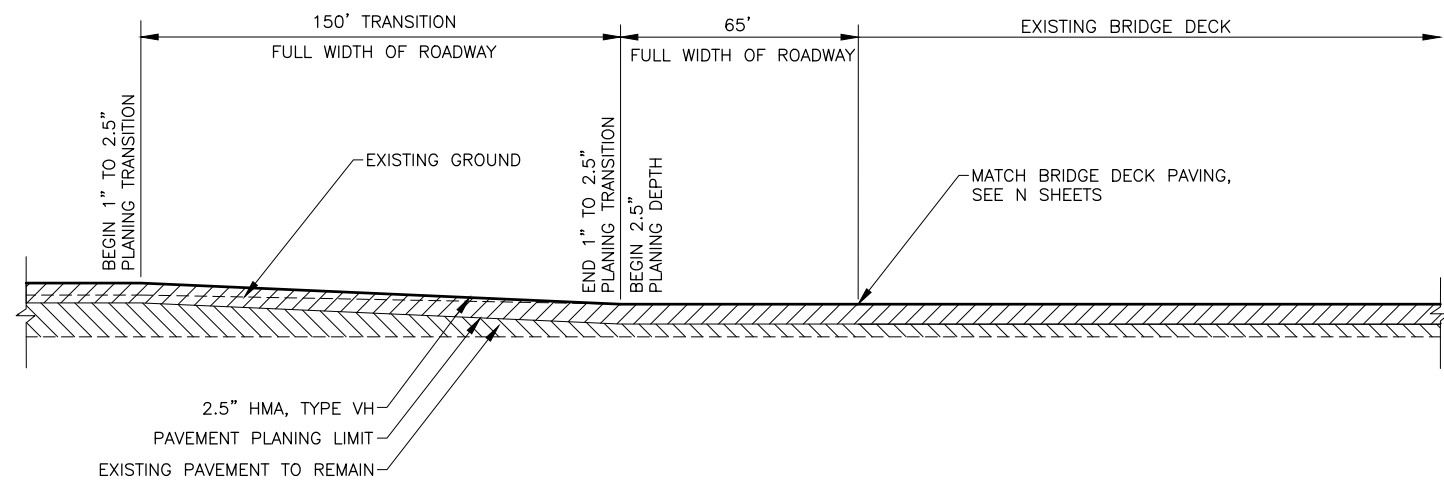
SHEET	PIPE	PIPE INLET			PIPE OUTLET			SLOPE (%)	QUANTITY (LF)	REMARKS
		STATION	OFFSET	ELEVATION	STATION	OFFSET	ELEVATION			
	A7	747+58	82 RT	218.0'	747+53	192 LT	215.8'	0.8%	273	SCH A
	A6	748+28	183 RT	218.8'	747+60	88 RT	217.6'	1.0%	120	SCH A
								TOTAL SCH A=	393	
								TOTAL SCH B=	0	

**PRELIMINARY**

 <b>9/4/2024</b>	<p><small>STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES</small></p> <p><b>GLENN HWY: AIRPORT HEIGHTS TO PARKS HWY REHABILITATION</b></p> <p><b>SUMMARY TABLES</b></p>
<p><small>PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 ANCHORAGE, AK 99503 (907) 346-2373 CERT. OF AUTH. NO. AECL 1102</small></p>	

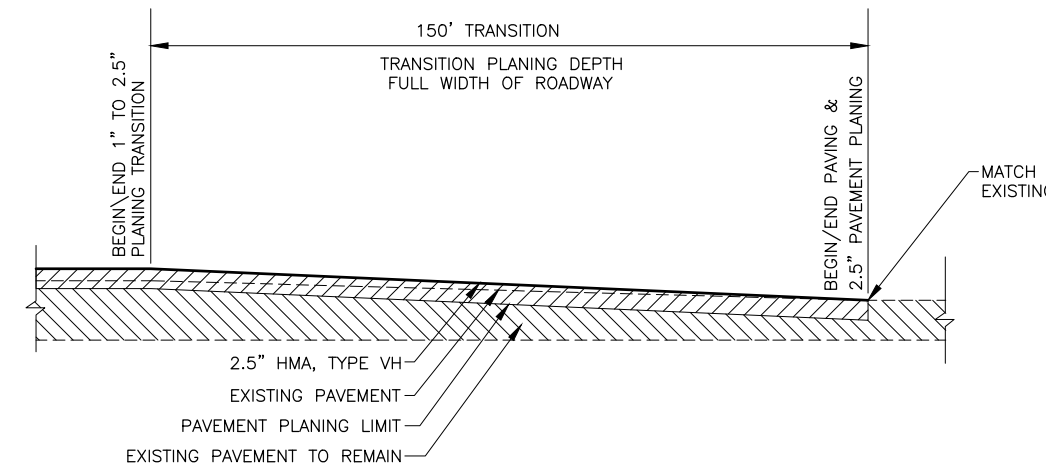
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	E1	E26

DESIGNED BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
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 DATE: 8/29/2024  
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**BRIDGE DECK PAVEMENT TRANSITION**

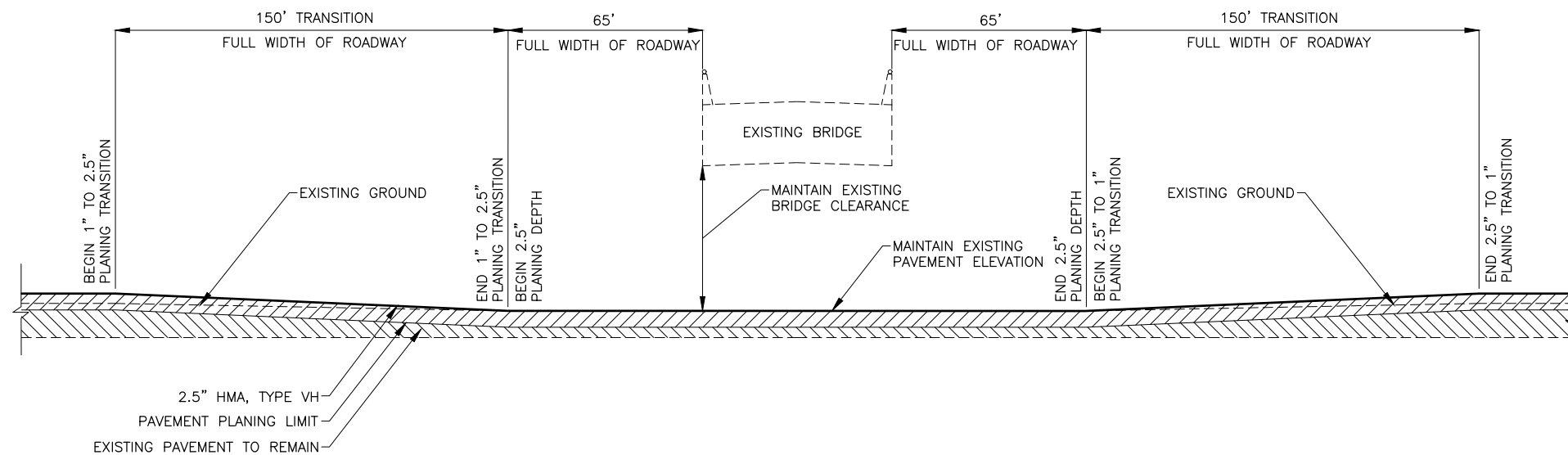
**NOTE TO REVIEWERS: BRIDGE DECK PAVEMENT TRANSITION TO BE UPDATED WITH UPDATES TO BRIDGE DECK PAVEMENT DESIGN AT REVIEW PS&E**



**EXISTING PAVEMENT TRANSITION**

**NOTES:**

1. PAVEMENT TRANSITION SHALL BE FULL WIDTH TO INCLUDE SHOULDERS.
2. PROVIDE TRANSITION PRIOR TO CURB AND GUTTER SECTIONS.
3. FINAL PAVEMENT SURFACE SHALL NOT RAISE OR LOWER ELEVATION ACROSS BRIDGE.



**UNDER BRIDGE PAVEMENT TRANSITION**

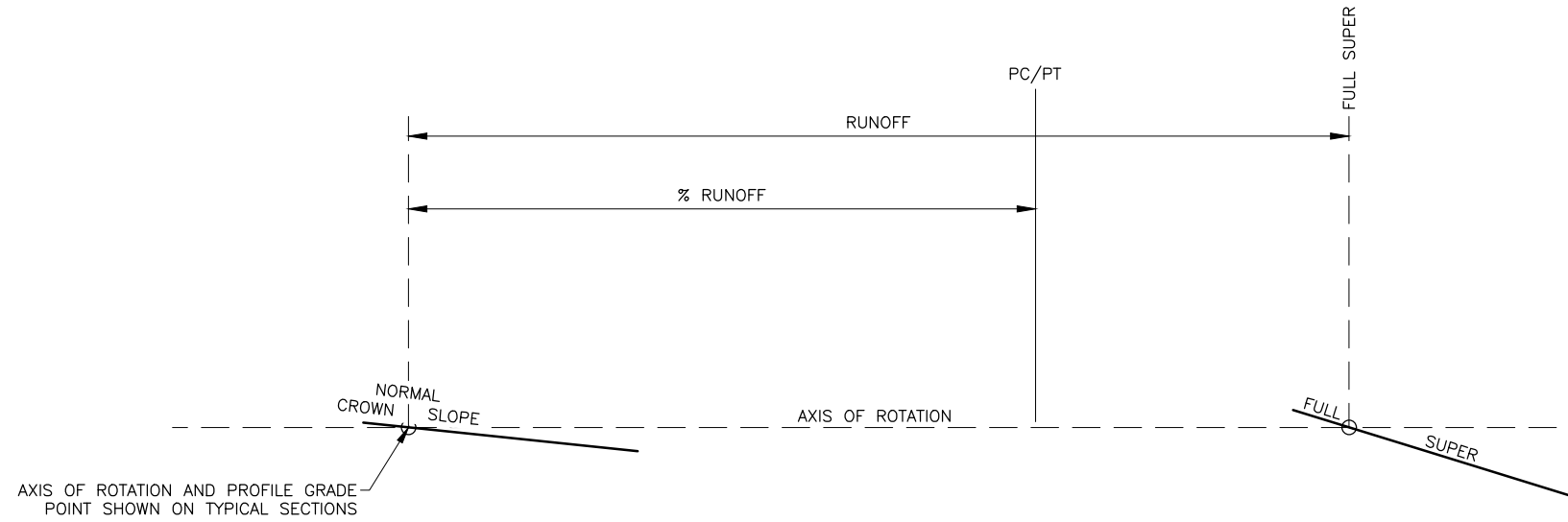
\* OR AS DIRECTED BY THE ENGINEER

**PRELIMINARY**

 <b>PIH</b> 8/29/2024 <small>PLANS DEVELOPED BY:          KINNEY ENGINEERING, LLC          3909 Arctic Blvd, Suite 400          ANCHORAGE, AK 99503          (907) 346-2373          CERT. OF AUTH. NO. AECL 1102</small>	<small>STATE OF ALASKA          DEPARTMENT OF TRANSPORTATION          AND PUBLIC FACILITIES</small> <b>GLENN HWY:          AIRPORT HEIGHTS TO PARKS HWY          REHABILITATION</b> <b>PAVEMENT TRANSITIONS AND          STRIPING DETAILS</b>
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	E2	E26

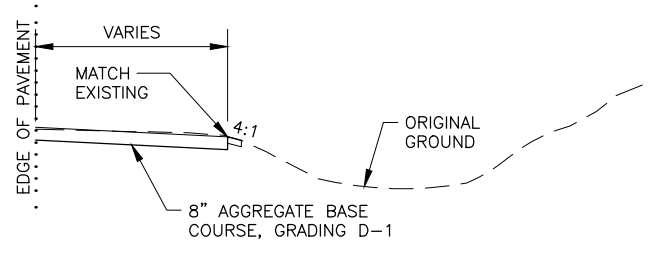
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 DESIGNED BY  
 CHECKED BY  
 DRAFTED BY  
 SCALE 1" = 1'  
 DATE 9/4/2024 11:38 AM  
 TIME



**NOTES:**

1. BUILD SUPERELEVATION INTO SUBGRADE AND CARRY THROUGH SHOULDERS.
2. % RUNOFF = PORTION OF RUNOFF ON TANGENT.
3. WIDENING FOR GUARDRAIL OR CURVATURE DOES NOT CHANGE THE LOCATION OF THE AXIS OF ROTATION.

**SUPERELEVATION TRANSITION FOR RAMPS**



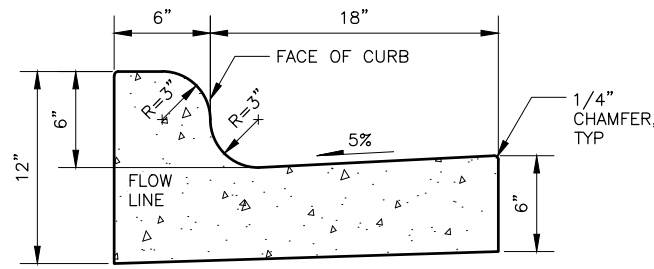
**PAD WIDENING DETAIL**

**PRELIMINARY**

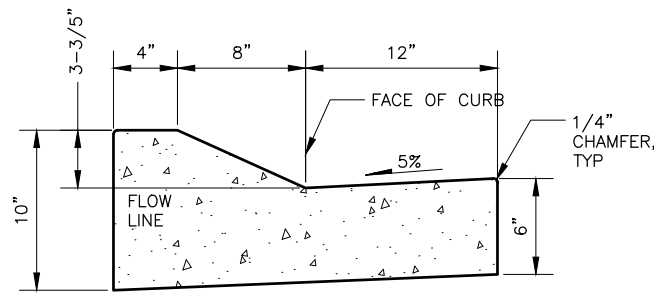
 <b>9/4/2024</b>	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES <b>GLENN HWY:          AIRPORT HEIGHTS TO PARKS HWY          REHABILITATION</b> CIVIL AND SUPERELEVATION DETAILS
PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 ANCHORAGE, AK 99503 (907) 346-2373 CERT. OF AUTH. NO. AECL 1102	



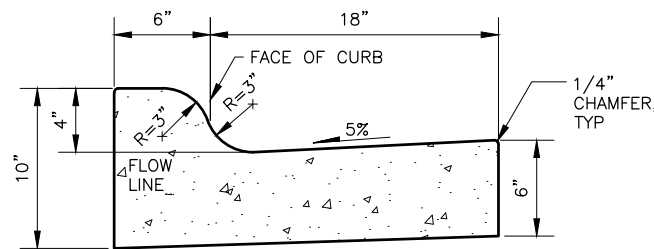
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	E3	E26



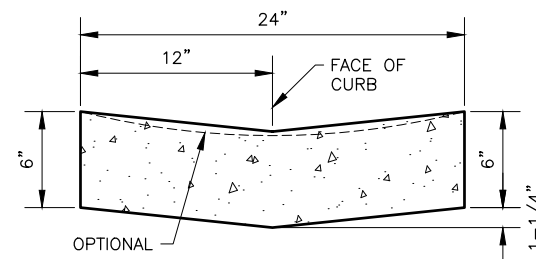
**6" MOUNTABLE CURB & GUTTER**



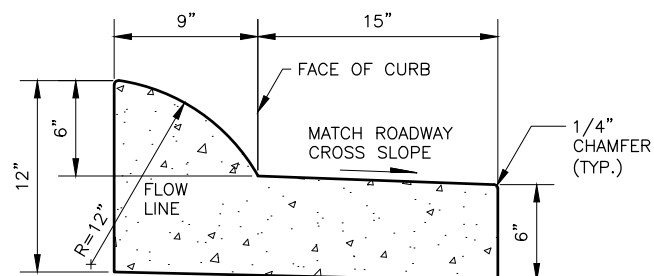
**LOW PROFILE CURB & GUTTER**



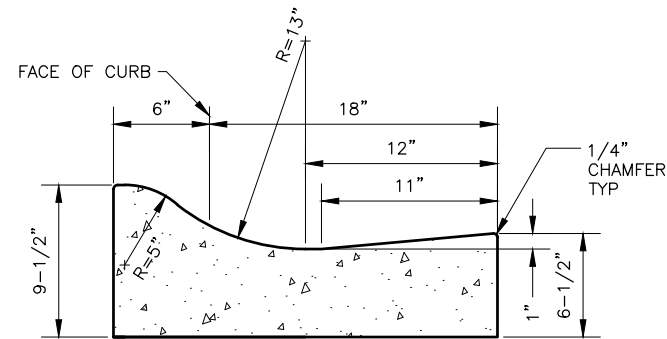
**4" MOUNTABLE CURB & GUTTER**



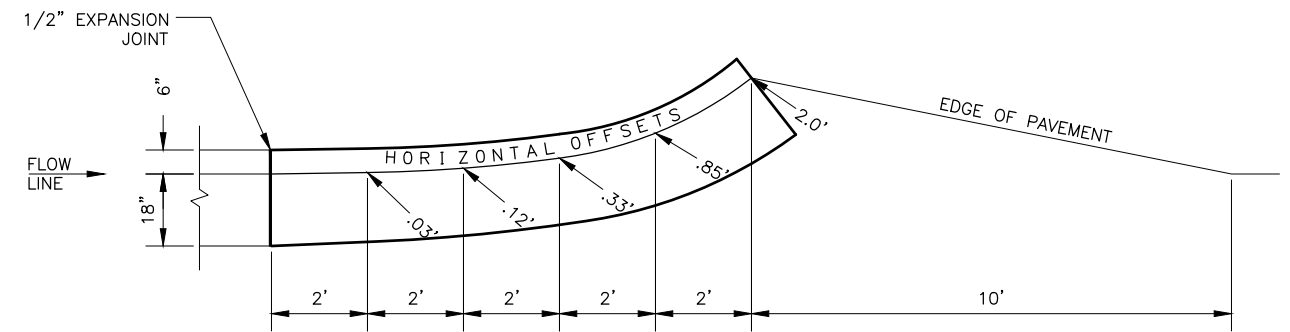
**GUTTER**



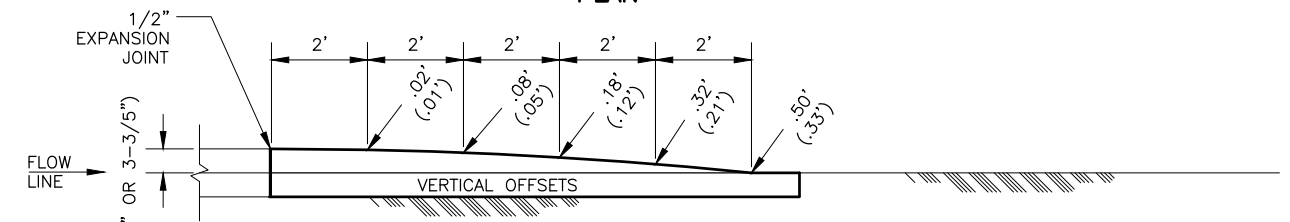
**EXPRESSWAY CURB & GUTTER (MEDIAN)**



**ROUNDABOUT TRUCK APRON CURB & GUTTER**



**PLAN**

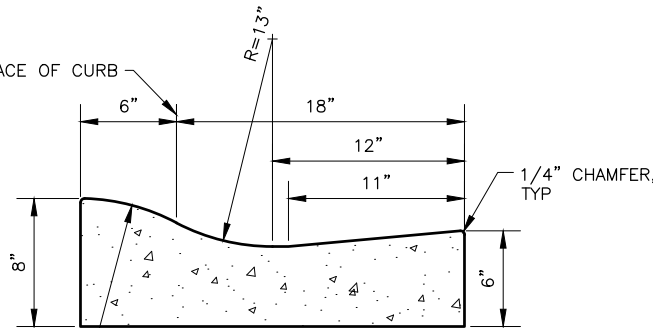


**PROFILE**

**CURB & GUTTER TERMINATION TRANSITIONS**

**TERMINATION NOTE:**

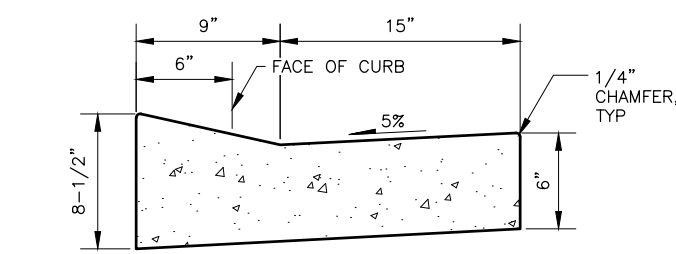
NUMBERS IN PARENTHESIS ARE FOR 4 INCH MOUNTABLE AND LOW PROFILE CURB & GUTTER.



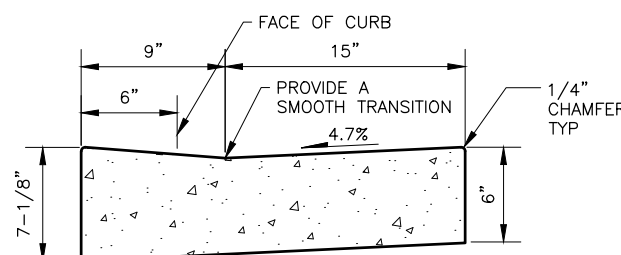
**ROLLED CURB & GUTTER**

**CURB NOTES:**

1. MOUNTABLE, DEPRESSED, ROLLED, AND EXPRESSWAY GUTTER PANS SHALL MATCH THE ROADWAY CROSS SLOPE IN THE HIGH SIDE OF SUPER ELEVATED AREAS.
2. USE THE CURB RAMP CURB & GUTTER FOR ALL CURB RAMPS.



**DEPRESSED CURB & GUTTER (CURB CUT)**



**ADA CURB & GUTTER**

**CURBS**

**PRELIMINARY**

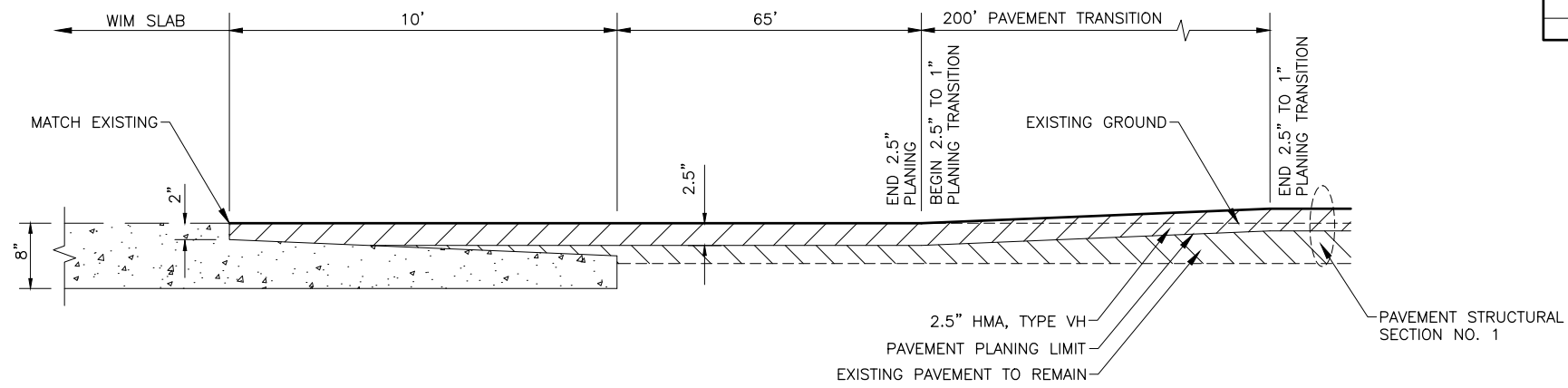
PIH  
8/29/2024

PLANS DEVELOPED BY:  
KINNEY ENGINEERING, LLC  
3909 Arctic Blvd, Suite 400  
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(907) 346-2373  
CERT. OF AUTH. NO. AECL 1102

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
**GLENN HWY:  
AIRPORT HEIGHTS TO PARKS HWY  
REHABILITATION**  
  
**CURB & GUTTER DETAILS**

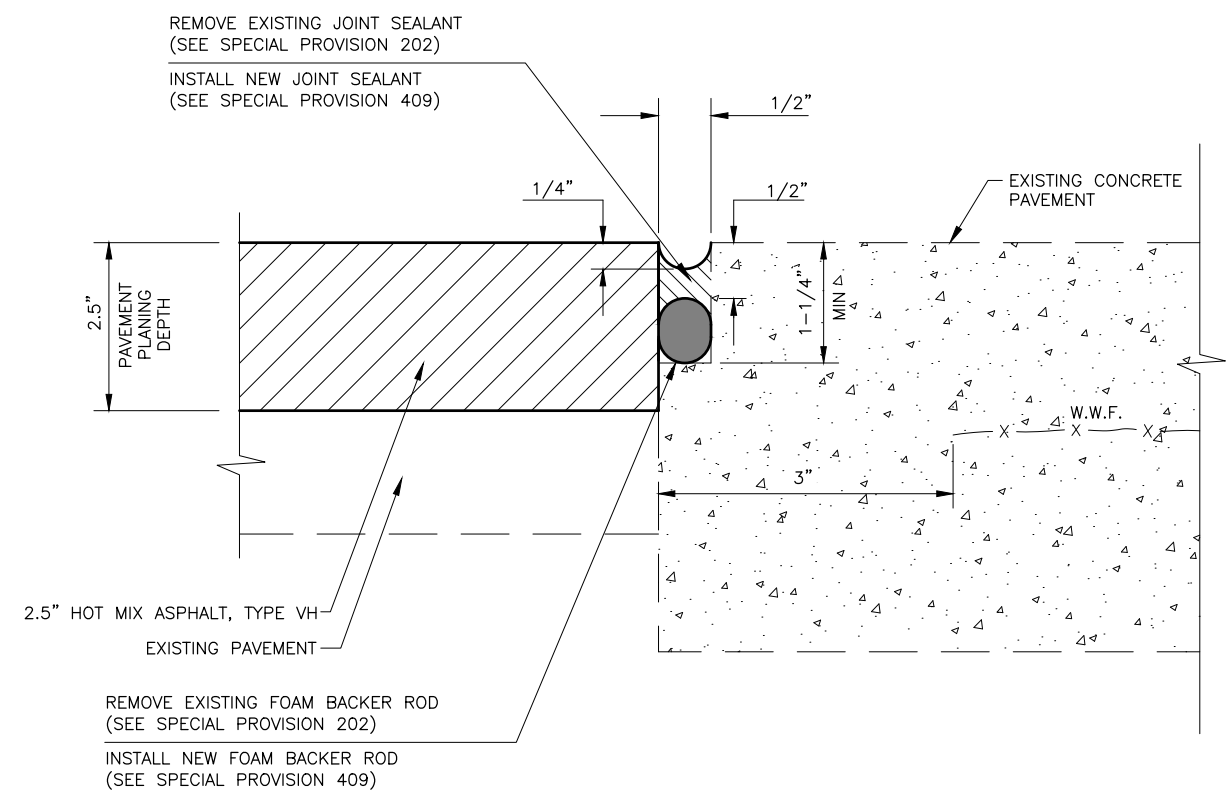
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	E4	E26




**TRANSITION NOTE:**  
 PROVIDE SMOOTH TRANSITIONS AND JOINTS, AS APPROVED BY THE ENGINEER, TO MAINTAIN ACCURACY OF DATA MEASURED BY THE WIM FACILITIES.

**PAVEMENT TRANSITION TO EXISTING WEIGH-IN-MOTION (WIM) CONCRETE SLAB**



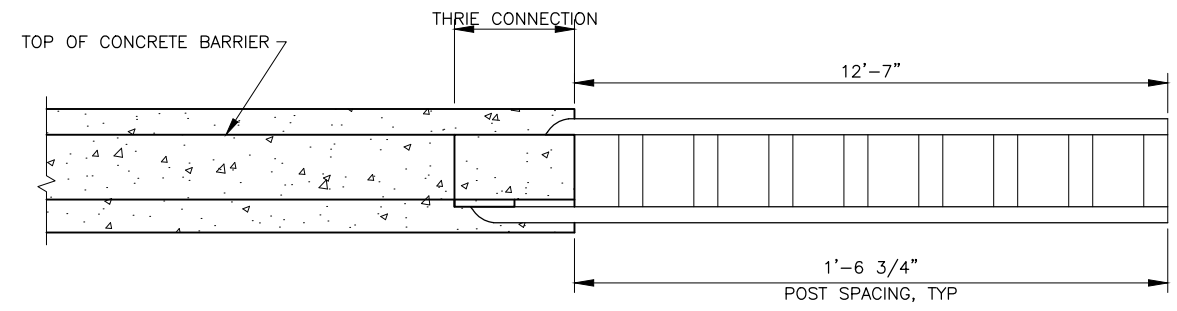
**WIM EDGE JOINT DETAIL**

**PRELIMINARY**

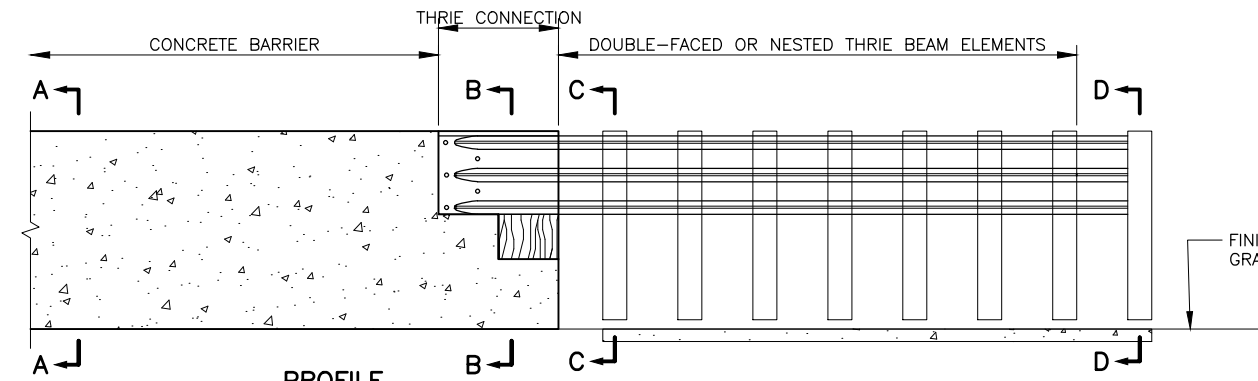
 <b>8/29/2024</b>	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  <b>GLENN HWY:          AIRPORT HEIGHTS TO PARKS HWY          REHABILITATION</b>  <b>WIM TRANSITION AT          NORTHBOUND GLENN HIGHWAY</b>
PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 ANCHORAGE, AK 99503 (907) 346-2373 CERT. OF AUTH. NO. AECL 1102	

DRAWING LOCATION: Z:\PROJECTS\009777 GLENN HWY AIRPORT HTS TO PARKS\DWGS\C\SHEETS\00945-E1-EX-CIVIL-DETAIL.S.DWG  
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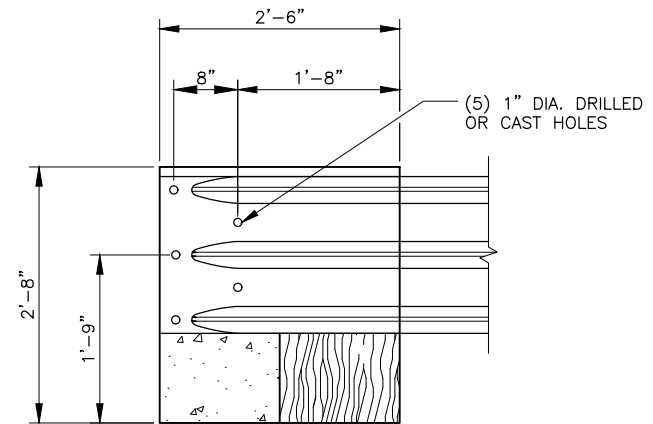
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	E5	E26



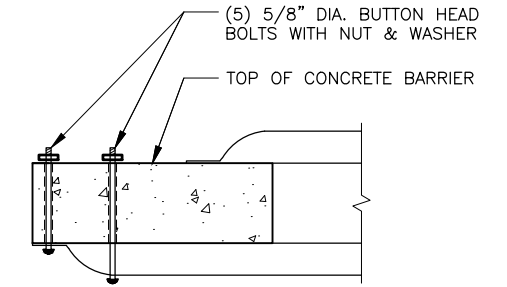
PLAN



PROFILE



PROFILE

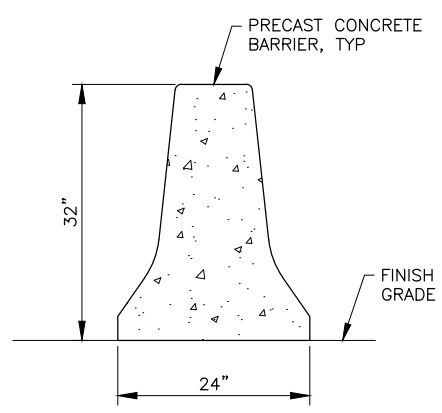


PLAN

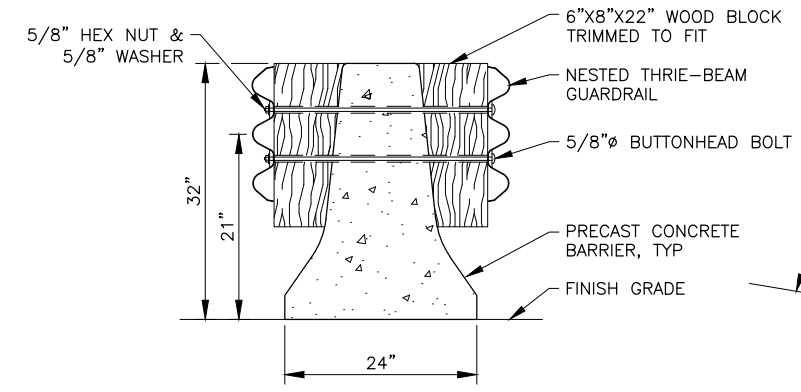
THRIE-BEAM CRASH CUSHION TRANSITION TO CONCRETE BARRIER CONNECTION

NOT FOR REVIEW  
(INFORMATION ONLY)

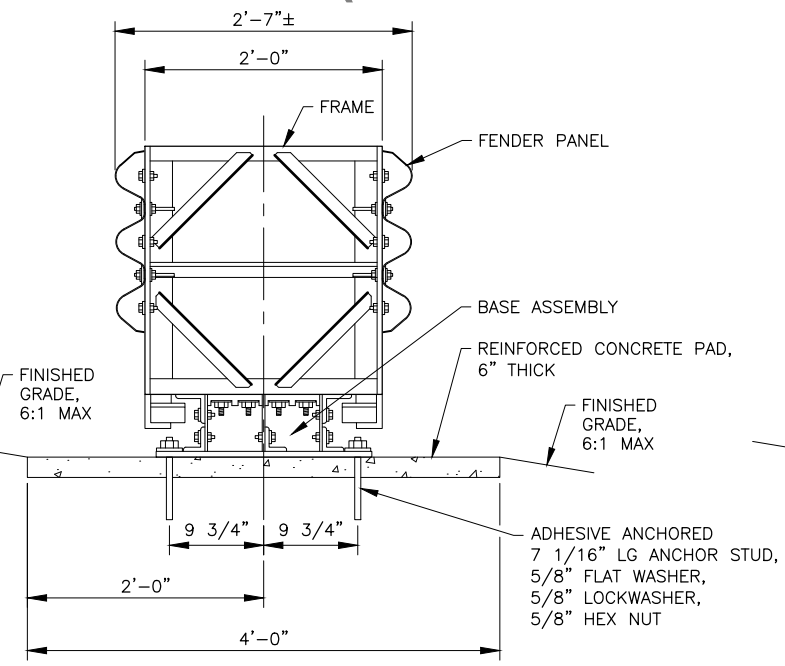
THRIE-BARRIER CONNECTION



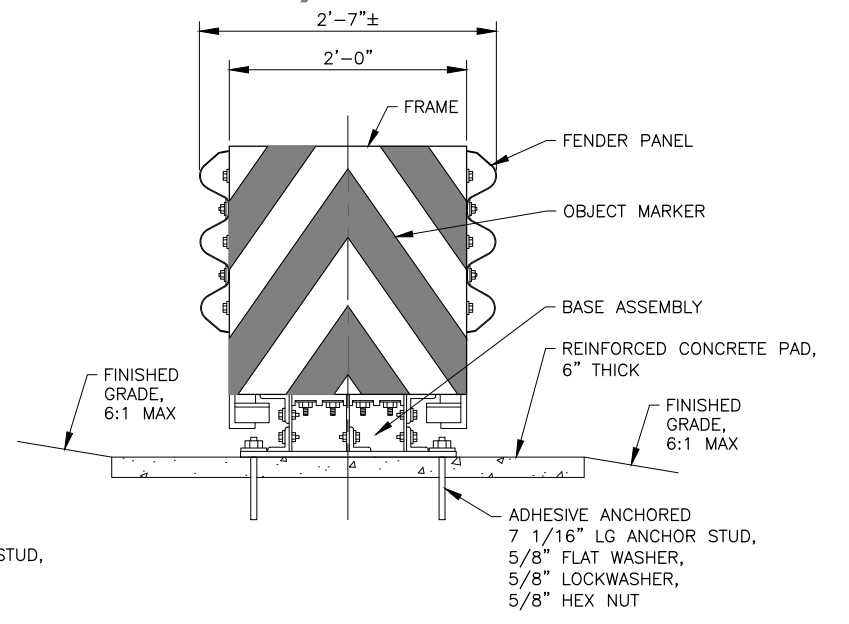
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

NOTES:

- INSTALL CONCRETE BARRIER ON ASPHALT PAVEMENT ACCORDING TO PERMANENT APPLICATION NOTES IN STANDARD PLAN G-47.00.
- HARDWARE DETAILS NOT SHOWN HERE SHALL CONFORM TO STANDARD PLANS G-00.05 AND G-09.05S.
- THRIE BEAM PANELS THAT ARE CONNECTED TO A CONCRETE BARRIER SHALL BE THROUGH-BOLTED OR SHALL HAVE AN ALTERNATE CONNECTION THAT DEVELOPS THE FULL TENSILE STRENGTH OF THE BOLT. ALTERNATE CONNECTIONS MUST BE APPROVED BY THE ENGINEER.
- REFER TO THRIE BEAM TRANSITION DETAIL (IN STANDARD PLAN G-00.05) FOR THRIE BEAM TERMINAL CONNECTION AND TRANSITION GEOMETRY.

PRELIMINARY

PIH  
8/29/2024

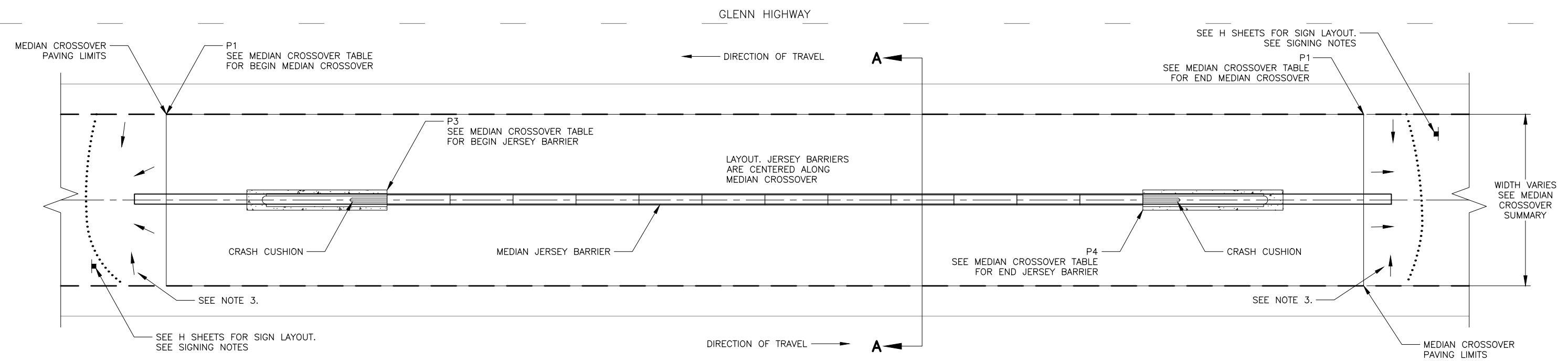
PLANS DEVELOPED BY:  
KINNEY ENGINEERING, LLC  
3909 Arctic Blvd, Suite 400  
ANCHORAGE, AK 99503  
(907) 346-2373  
CERT. OF AUTH. NO. AECL 1102

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
**GLENN HWY:  
AIRPORT HEIGHTS TO PARKS HWY  
REHABILITATION**  
**CONCRETE BARRIER-CRASH  
CUSHION CONNECTION**

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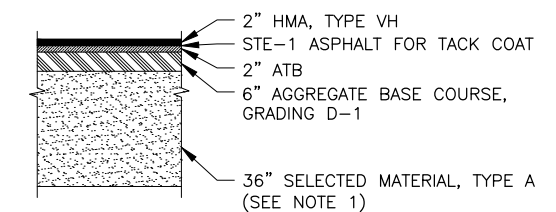
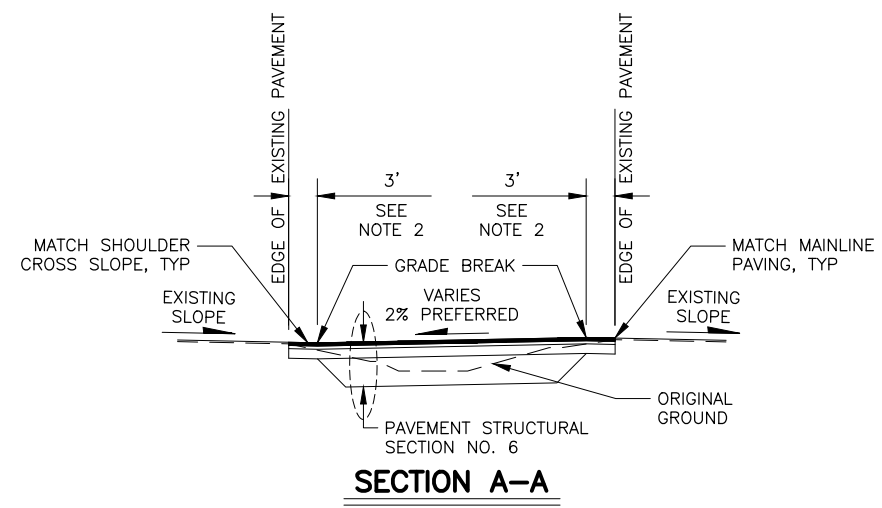
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	E6	E26

DESIGNED BY: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_ DRAFTED BY: \_\_\_\_\_  
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TYPICAL MEDIAN CROSSOVER PLAN

MEDIAN CROSSOVER SUMMARY					
P1 BEGIN PAVEMENT	P2 END PAVEMENT	WIDTH (FT)	P3 BEGIN JERSEY BARRIERS	P4 END JERSEY BARRIERS	REMARKS
10+83	16+62	34.000	11+27	16+40	
53+93	59+67	35.000	54+36	59+23	
69+77	74+67	36.000	70+15	74+28	
115+32	120+67	36.000	115+75	120+25	
153+24	158+34	39.000	153+67	157+92	
198+54	203+46	37.000	198+94	203+06	
248+75	253+44	40.000	249+16	253+03	
266+14	270+67	40.000	266+53	270+28	
308+50	313+47	37.000	308+93	313+05	
369+94	375+11	38.000	370+34	374+71	
477+76	482+99	42.000	478+19	482+57	
534+43	538+84	39.000	534+61	538+44	
557+14	561+92	51.000	557+58	561+71	
625+90	630+07	37.000	626+30	629+67	
644+34	649+39	45.000	644+74	648+99	
709+81	714+18	32.000	710+24	713+74	
753+69	758+29	38.000	754+04	757+92	
806+17	811+50	39.000	806+59	811+09	
894+74	900+00	41.000	895+12	899+62	
992+84	998+36	38.000	993+23	998+75	
1049+07	1054+93	40.000	1049+50	1054+50	
1105+29	111+15	39.000	1105+72	1110+72	
1144+26	1150+12	40.000	1144+69	1149+69	
1168+07	1173+93	38.000	1168+50	1173+50	
1224+57	1230+43	39.000	1225+00	1230+00	
1275+57	1281+43	39.000	1276+00	1281+00	
1319+57	1325+43	39.000	1320+00	1325+00	
1443+68	1450+32	59.000	1444+06	1449+94	



- NOTES:**
- AS APPROVED BY THE ENGINEER, LESS THAN 36" OF SELECTED MATERIAL, TYPE A MAY BE USED IF EXISTING MATERIAL ENCOUNTERED MEETS SELECTED MATERIAL, TYPE A REQUIREMENTS
  - EXTEND EXISTING MAINLINE SLOPE FOR 3'. FROM 3' OFFSET JOIN BOTH SIDES WITH A CONTINUOUS SLOPE.
  - GRADE TO DRAIN, SLOPES SHALL NOT EXCEED 6:1. INSTALL 4" OF TOPSOIL AND SEED ON ALL DISTURBED AREAS.

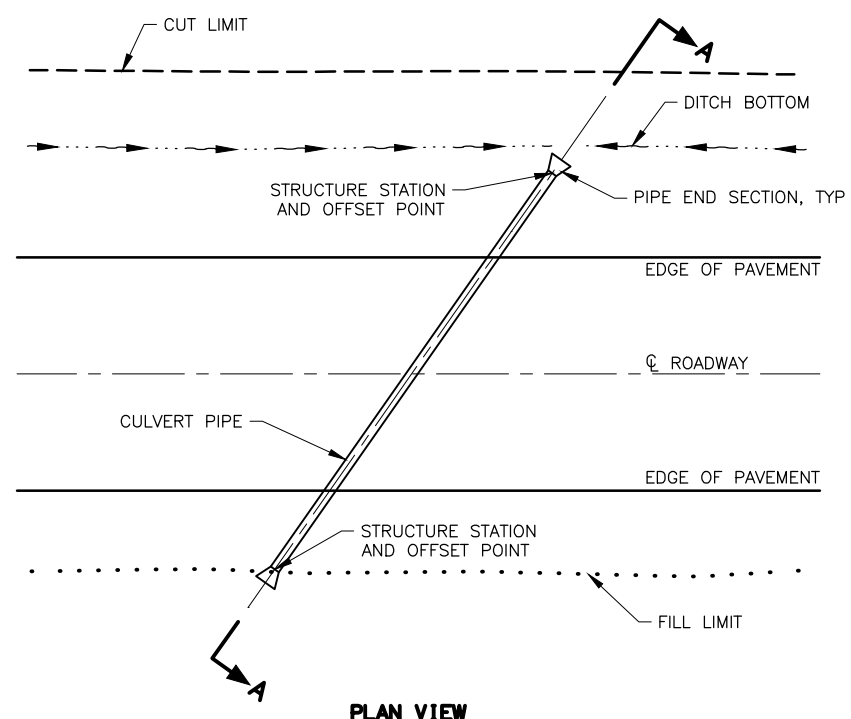
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(INFORMATION ONLY)

PRELIMINARY

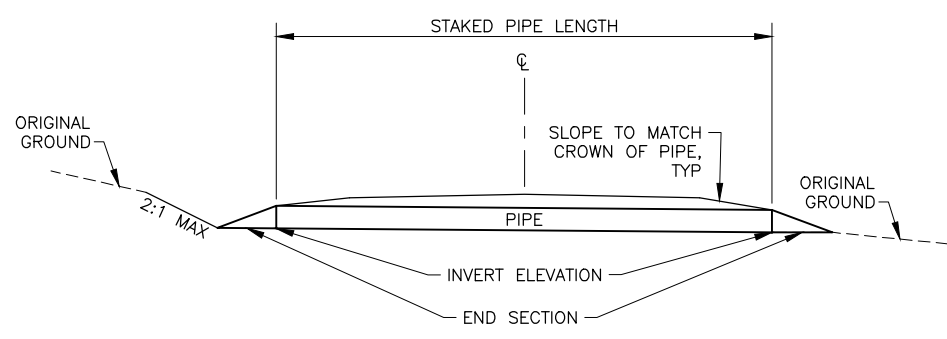
 <b>PIH</b> 8/29/2024 <small>PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 ANCHORAGE, AK 99503 (907) 346-2373 CERT. OF AUTH. NO. AECL 1102</small>	<small>STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES</small> <b>GLENN HWY: AIRPORT HEIGHTS TO PARKS HWY REHABILITATION</b> <b>MEDIAN CROSSOVER PLAN AND DETAILS</b>
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	E7	E26

DESIGNED BY: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_ DRAFTED BY: \_\_\_\_\_  
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**PLAN VIEW**

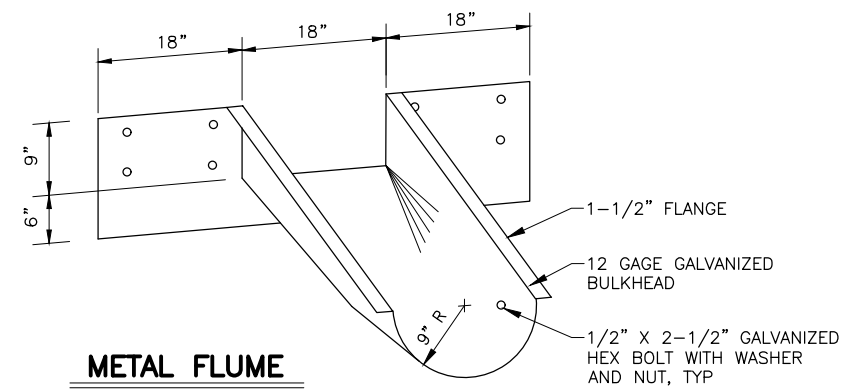


**SECTION A-A**

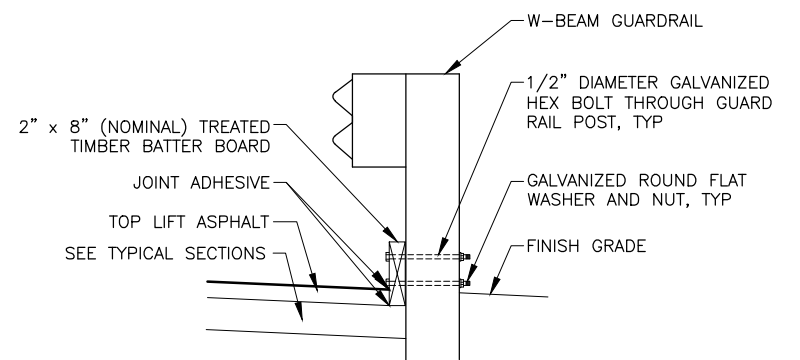
**CULVERT INSTALLATION DETAIL**

**CULVERT GENERAL NOTES:**

- UNLESS OTHERWISE NOTED, CONSTRUCT CULVERTS TO MATCH EXISTING INVERTS.
- LIMITS OF EXCAVATION AND BEDDING NOT SHOWN. SEE STD. PLAN D-01.02.
- SEE STANDARD PLAN D-04.22 FOR MINIMUM AND MAXIMUM COVER REQUIREMENTS.
- IN LOCATIONS WHERE CULVERT INSTALLATION REQUIRES IMPACTS TO EXISTING PATHWAY, RECONSTRUCT EXISTING PATHWAY FOLLOWING THE PATHWAY TYPICAL SECTION ON SHEET B3. THIS WORK IS SUBSIDIARY TO 603 PAY ITEMS AND WILL NOT BE MEASURED DIRECTLY FOR PAYMENT.



**METAL FLUME**

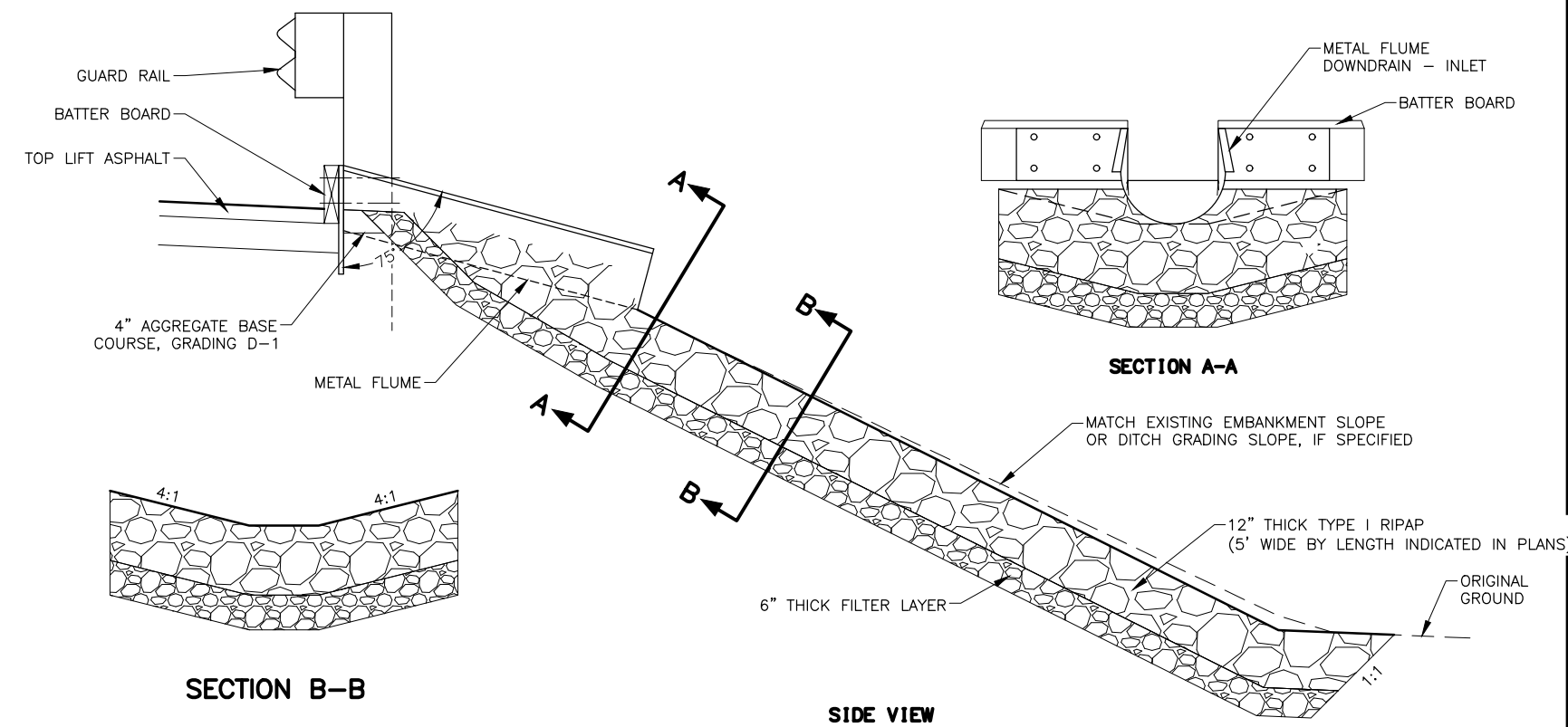


**BATTER BOARD NOTE:**

INSTALL BATTER BOARD AFTER PLACING BASE COURSE. SEAL CRACK BETWEEN BATTER BOARD AND ASPHALT WITH SURFACE WITH JOINT ADHESIVE PRIOR TO AND AGAIN AFTER PLACING TOP ASPHALT LIFT

**TREATED TIMBER BATTER BOARD DETAIL**

SEE SUMMARY TABLES ON 'D' SHEETS FOR LOCATIONS



**SECTION B-B**

**SIDE VIEW**

**RIPRAP FLUME WITH METAL FLUME INLET DETAIL**

STA. "G1" 1023+72, 76 LT TO STA. "G1" 1023+81, 136 LT	STA. "G1" 1023+81, 136 LT
STA. "G1" 1025+00, 65 LT TO STA. "G1" 1024+97, 126 LT	STA. "G1" 1024+97, 126 LT
STA. "G1" 1038+74, 58 RT TO STA. "G1" 1038+74, 102 RT	STA. "G1" 1038+74, 102 RT
STA. "G1" 1038+82, 61 LT TO STA. "G1" 1038+82, 124 LT	STA. "G1" 1038+82, 124 LT
STA. "G1" 1040+97, 52 RT TO STA. "G1" 1040+98, 82 RT	STA. "G1" 1040+98, 82 RT
STA. "G1" 1042+59, 65 LT TO STA. "G1" 1042+59, 113 LT	STA. "G1" 1042+59, 113 LT
STA. "G1" 1042+97, 59 RT TO STA. "G1" 1042+97, 89 RT	STA. "G1" 1042+97, 89 RT
STA. "G1" 1075+52, 55 LT TO STA. "G1" 1075+50, 134 LT	STA. "G1" 1075+50, 134 LT

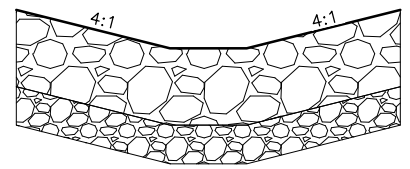
**PRELIMINARY**

 <b>9/4/2024</b>	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  <b>GLENN HWY:          AIRPORT HEIGHTS TO PARKS HWY          REHABILITATION</b>  <b>MAINLINE DRAINAGE          DETAILS 1 OF 2</b>
PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 ANCHORAGE, AK 99503 (907) 346-2373 CERT. OF AUTH. NO. AECL 1102	

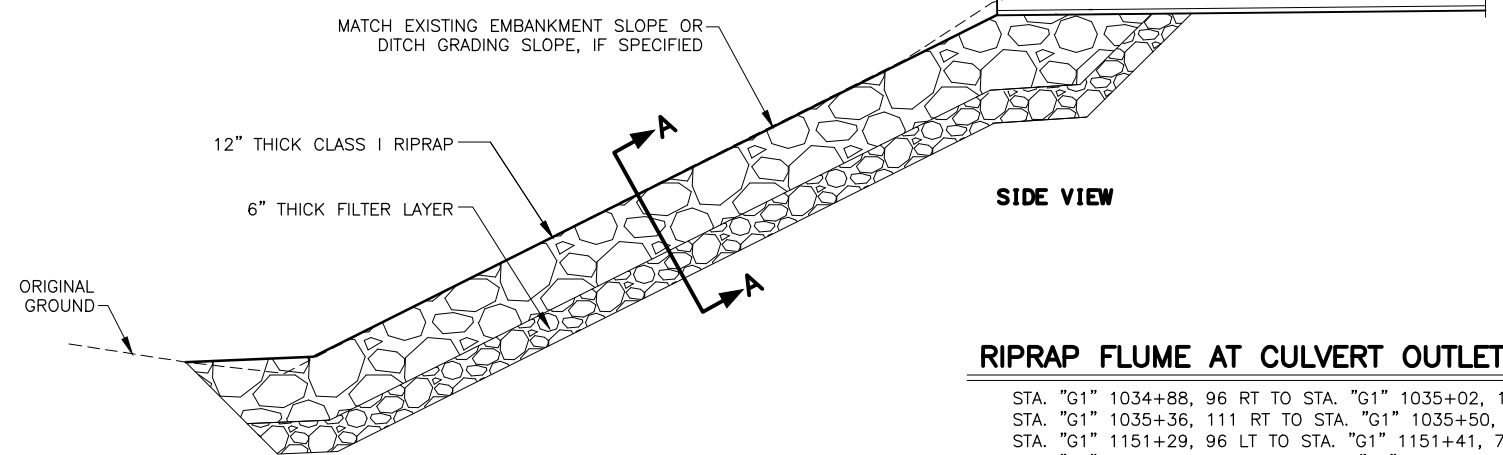


NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	E8	E26

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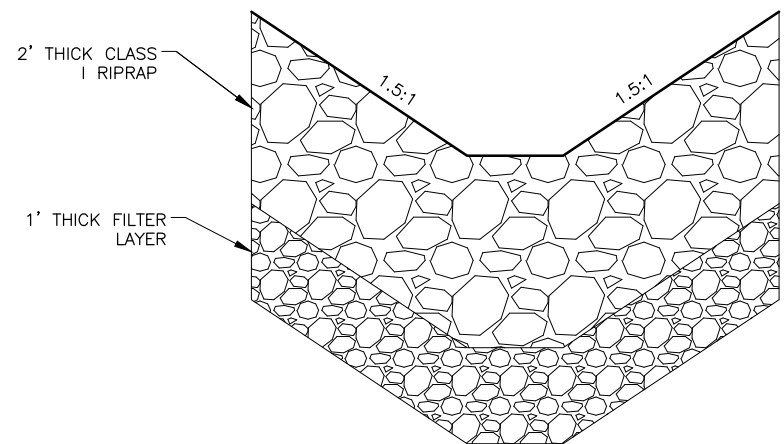
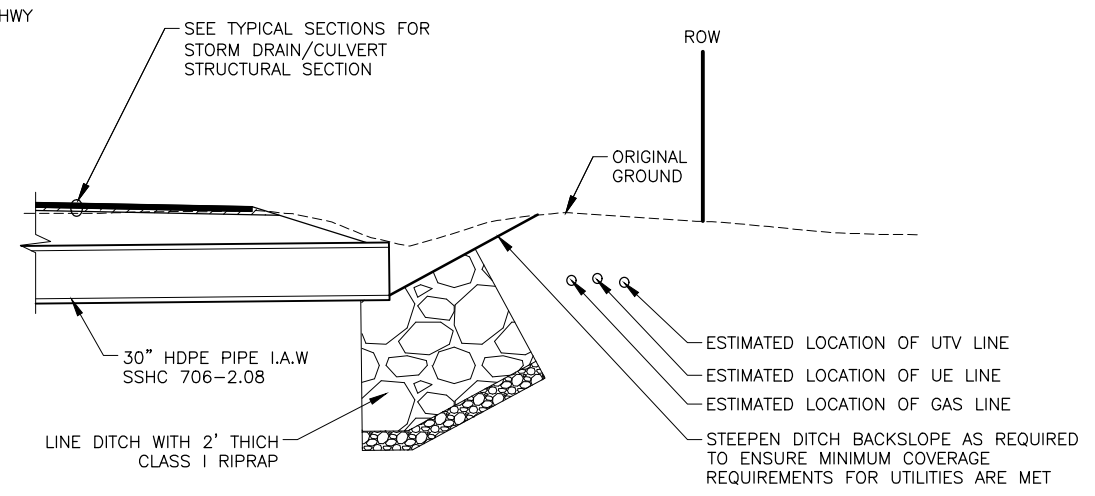
**SECTION A-A**



**SIDE VIEW**

**RIPRAP FLUME AT CULVERT OUTLET DETAIL**

STA. "G1" 1034+88, 96 RT TO STA. "G1" 1035+02, 101 RT  
 STA. "G1" 1035+36, 111 RT TO STA. "G1" 1035+50, 120 RT  
 STA. "G1" 1151+29, 96 LT TO STA. "G1" 1151+41, 79 LT  
 STA. "G1" 1197+00, 111 LT TO STA. "G1" 1197+00, 55 LT

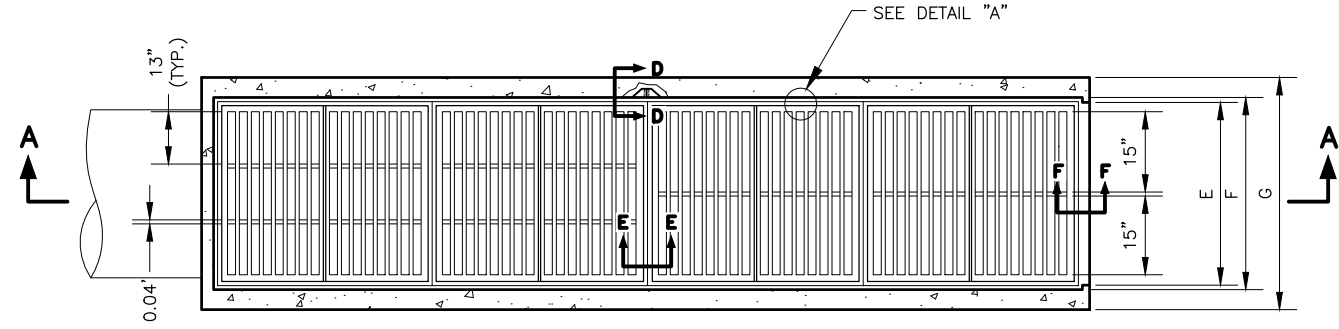


**RIPRAP FLUME ON EMBANKMENT DETAIL**

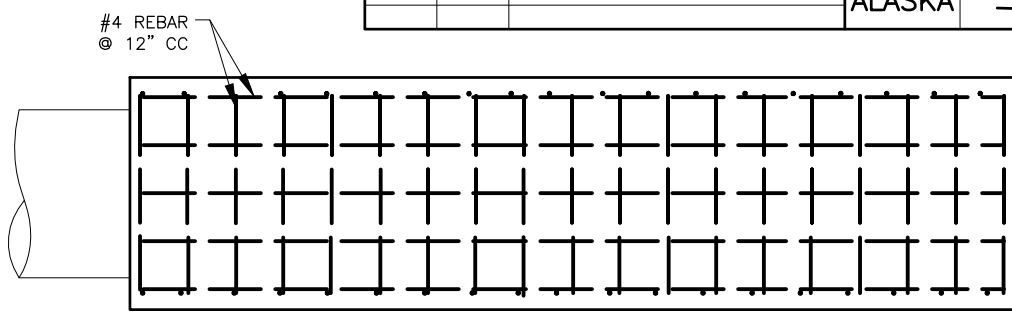
STA. "G1" 1046+01, 78 LT TO STA. "G1" 1045+04, 138 LT  
 STA. "G1" 1042+31, 52 RT TO STA. "G1" 1042+51, 50 RT  
 STA. "G1" 1042+29, 19 RT TO STA. "G1" 1042+49, 18 RT

**PRELIMINARY**

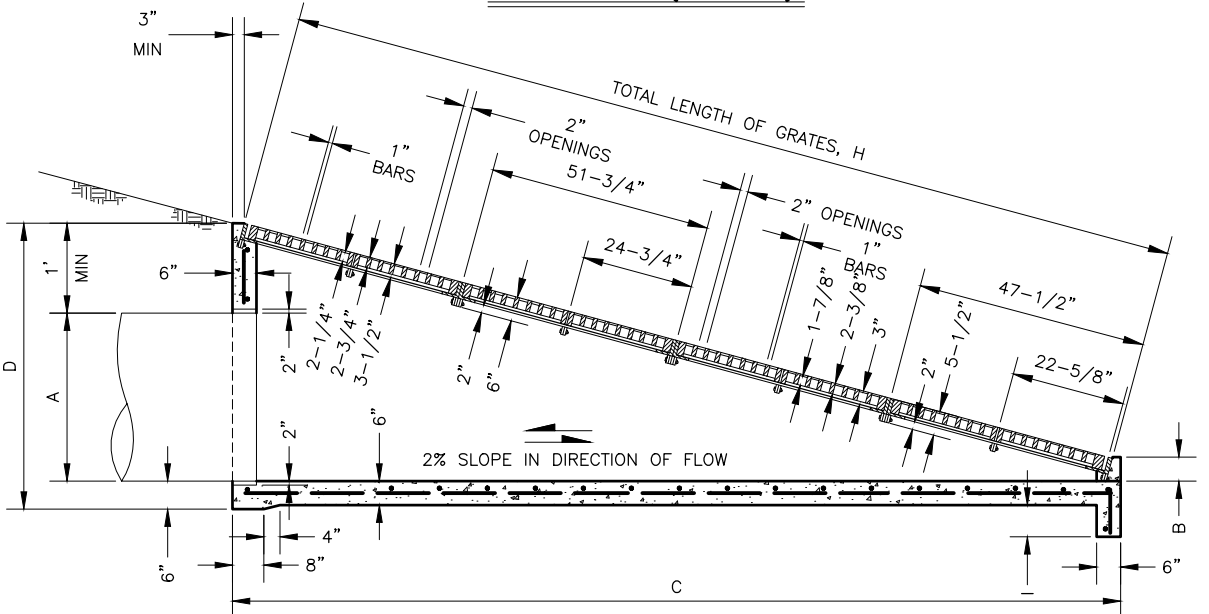
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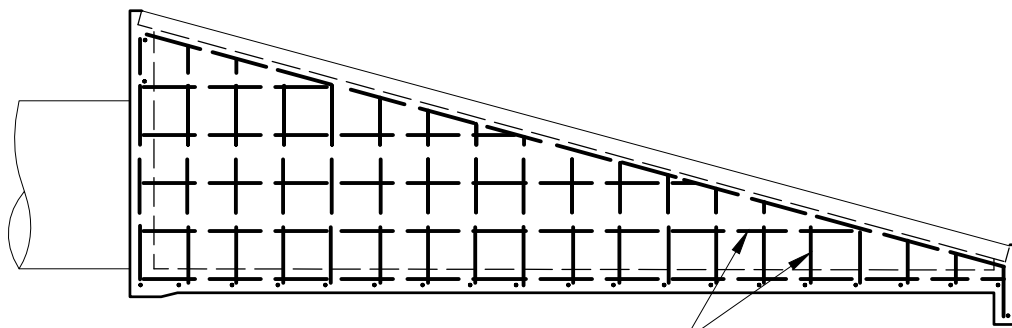
**PLAN VIEW (GRATES)**



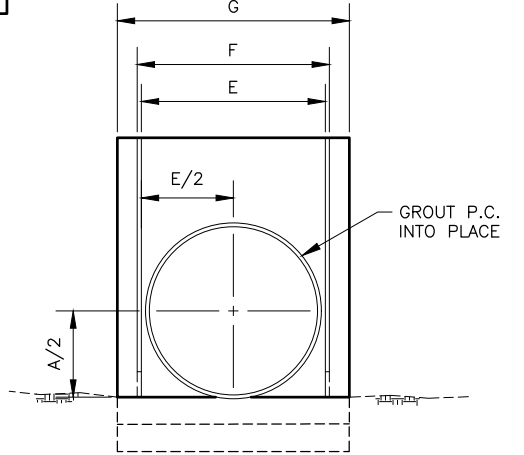
**PLAN VIEW (REINFORCEMENT)**



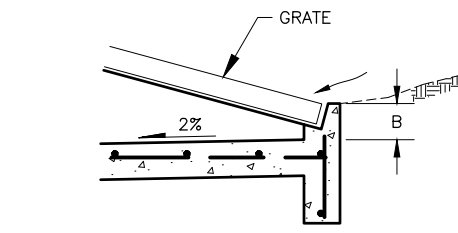
**SECTION A-A**



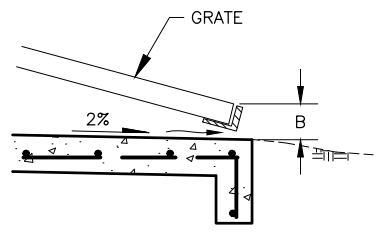
**SECTION A-A (REINFORCEMENT)**



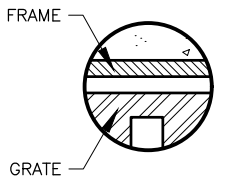
**FRONT VIEW**



**INLET SECTION F-F**



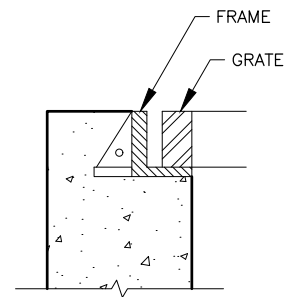
**OUTLET SECTION F-F**



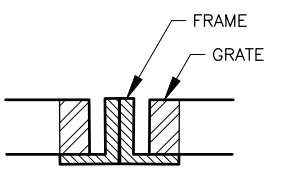
**DETAIL "A"**



**ANCHOR LUG**



**SECTION D-D**



**SECTION E-E**

**NOTES:**

1. CONCRETE SHALL CONFORM TO CLASS "W" CONCRETE.
2. CORNERS EXPOSED SHALL BE CHAMFERED TO 3/4 INCH OR AS STATED IN THE PLANS.
3. STEEL PLACEMENT SHALL BE IN THE CENTER OF THE CONCRETE AND SHALL EXTEND TO WITHIN 2 INCHES OF THE EDGE OF THE CONCRETE.
4. REINFORCING STEEL SHALL BE PREFORMED BARS OF INTERMEDIATE HARDNESS CONFORMING TO ASTM A-615 GRADE 40 OR RAILSTEEL CONFORMING TO ASTM A-500 GRADE 50.
5. DETAIL REINFORCING STEEL AS REQUIRED IF PRECAST CONCRETE UNITS ARE USED, REINFORCE FOR HANDLING.
6. FRAMES AND GRATES SHALL BE CLASS 30 CAST GRAY IRON CONFORMING TO ASTM A48-76 M 105-82.

**CONCRETE END SECTION TYPE E INLET DIMENSIONS**

SLOPE	A	B	C	D	E	F	G	H	I	NO. GRATES	GRATE LENGTH	OUTLET/INLET	REMARKS
4:1	30"	6	159-7/8"	53-3/4"	34"	36"	46"	158-1/2"	8"	7	22-5/8"	INLET	
4:1	30"	6	159-7/8"	47-1/2"	34"	36"	46"	158-1/2"	8"	7	22-5/8"	OUTLET	
4:1	36"	6	198"	64"	46"	48"	58"	198"	8"	8	24-3/4"	INLET	
4:1	36"	6	222"	61-3/4"	46"	48"	58"	223"	8"	9	24-3/4"	OUTLET	
4:1	42"	6	222"	70-1/2"	46"	48"	58"	223"	8"	9	24-3/4"	INLET	
4:1	42"	6	222"	61-3/4"	46"	48"	58"	223"	12"	9	24-3/4"	OUTLET	DIFFERENT FOOTING DESIGN NOTE COLUMN "1"
4:1	48"	6	222"	70-1/2"	60"*	62"	72"	223"	12"	9	24-3/4"	INLET	DIFFERENT FOOTING DESIGN NOTE COLUMN "1"
4:1	48"	6	222"	66-3/4"	60"*	62"	72"	223"	18"	9	24-3/4"	OUTLET	DIFFERENT FOOTING DESIGN NOTE COLUMN "1"

PIH  
8/29/2024

PLANS DEVELOPED BY:  
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ANCHORAGE, AK 99503  
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CERT. OF AUTH. NO. AECL 1102

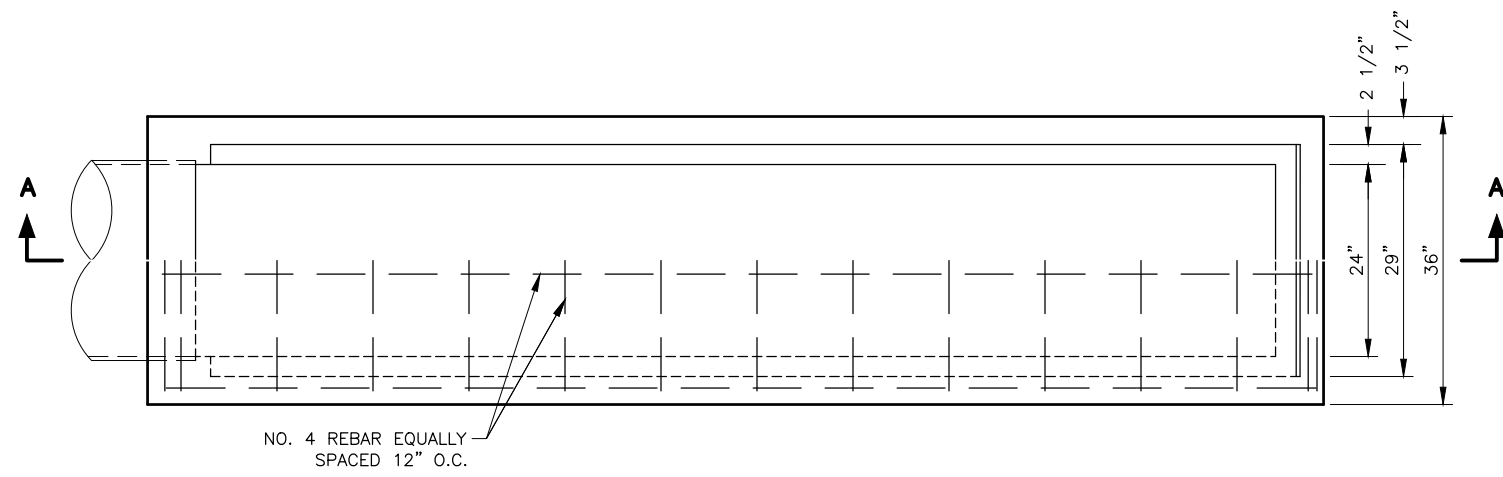
STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
**GLENN HWY:  
AIRPORT HEIGHTS TO PARKS HWY  
REHABILITATION**  
**TYPE E INLET BOX  
DETAILS**

DRAWING LOCATION: Z:\PROJECTS\009777 GLENN HWY AIRPORT HTS TO PARKS HWY\HIS TO PARKS\DWGS\C\SHEETS\00945-E7-E13-DRAINAGE-DETAILS.DWG

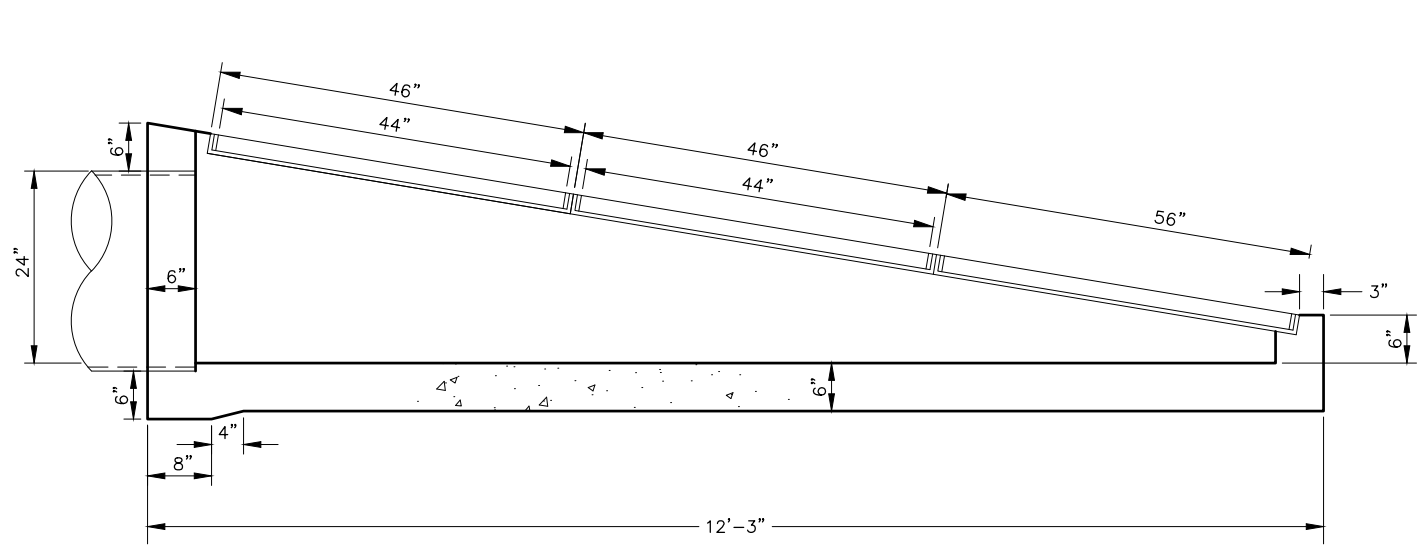
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	E10	E26

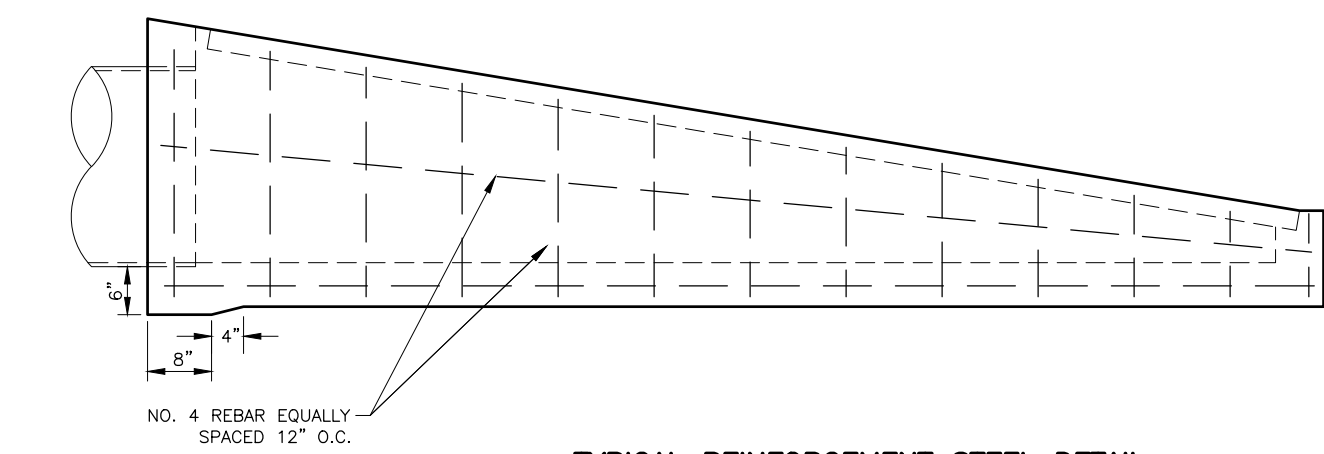
- NOTES:**
1. PROVIDE UNCOATED CAST IRON FRAMES AND GRATES.
  2. CHAMFER ALL EXPOSED CONCRETE CORNERS 3/4".
  3. PROVIDE 2" MINIMUM COVER FOR ALL REINFORCING STEEL
  4. USE GRADE 40 REINFORCING STEEL.
  5. FRAME EMBEDMENT LUGS MAY DIFFER FROM THE CONFIGURATION SHOWN.
  6. PROVIDE MINIMUM OF 500 SQ IN OF CLEAR OPENING AREA



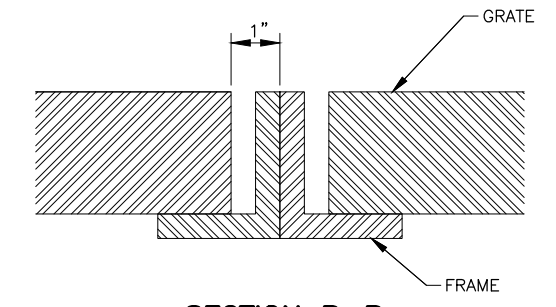
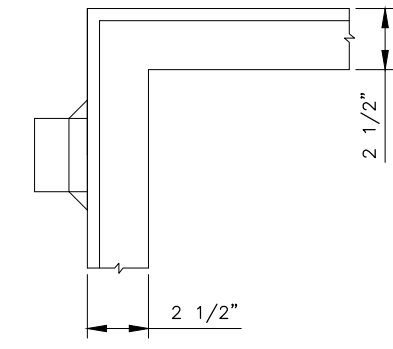
**PLAN VIEW**  
GRATE NOT SHOWN FOR CLARITY



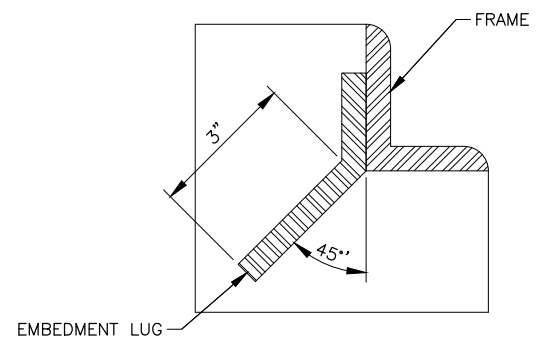
**SECTION A-A**



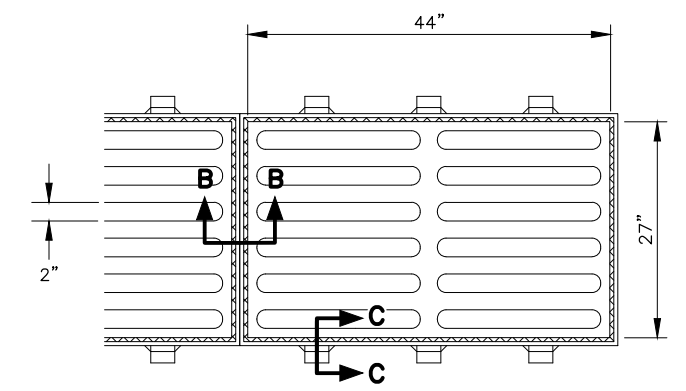
**TYPICAL REINFORCEMENT STEEL DETAIL**



**SECTION B-B**



**SECTION C-C**



**FRAME & GRATE CONFIGURATION**

FINISHED GRATE SIZE IS 27"x44"

**PRELIMINARY**

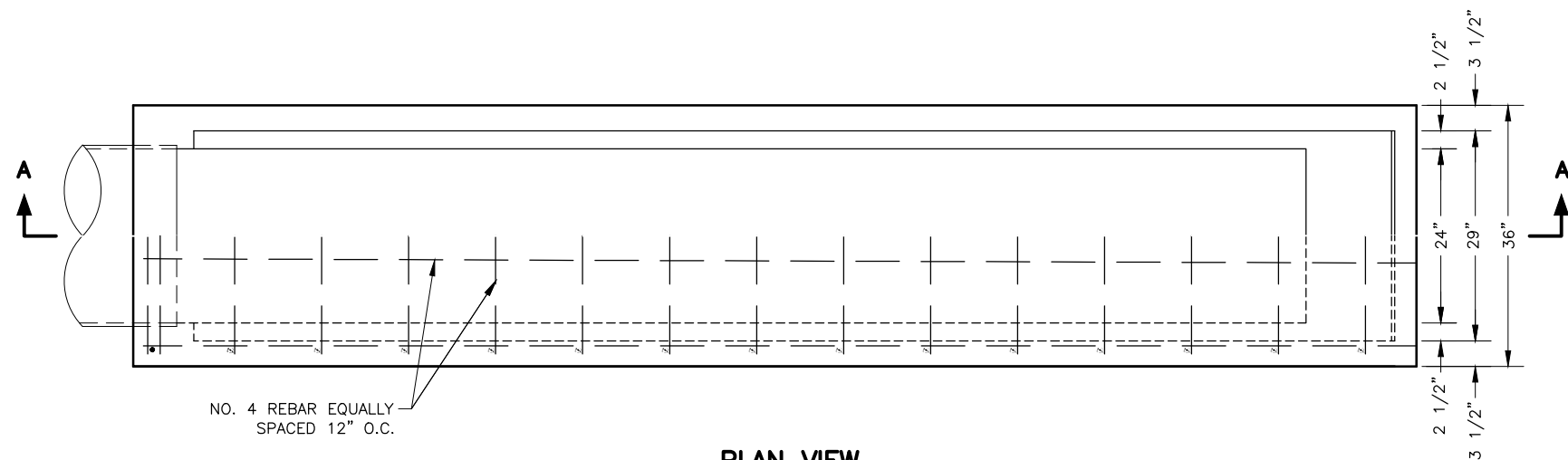
PIH  
8/29/2024  
PLANS DEVELOPED BY:  
KINNEY ENGINEERING, LLC  
3909 Arctic Blvd, Suite 400  
ANCHORAGE, AK 99503  
(907) 346-2373  
CERT. OF AUTH. NO. AECL 1102

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
**GLENN HWY:  
AIRPORT HEIGHTS TO PARKS HWY  
REHABILITATION**  
TYPE F INLET BOX  
ON 6 TO 1 SLOPE

DRAWING LOCATION: Z:\PROJECTS\009777 GLENN HWY AIRPORT HTS TO PARKS HWY\DWGS\C\SHEETS\00945\_E7-E13\_DRAINAGE\_DETAILS.DWG  
DATE: 8/29/2024 6:11 PM  
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	E11	E26

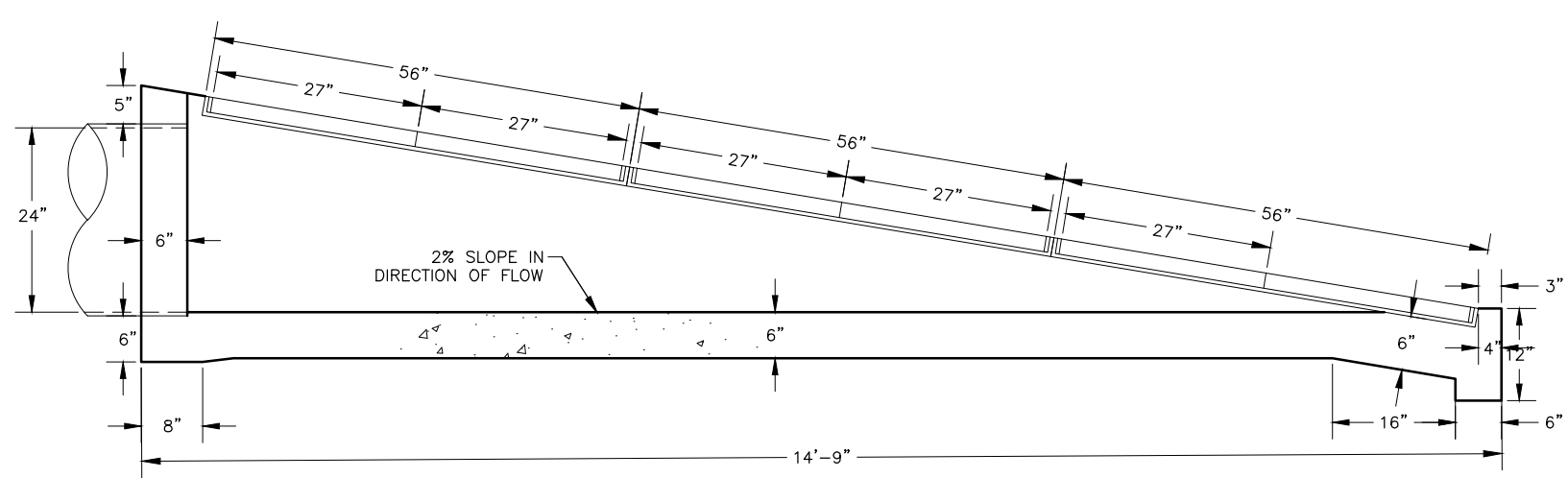
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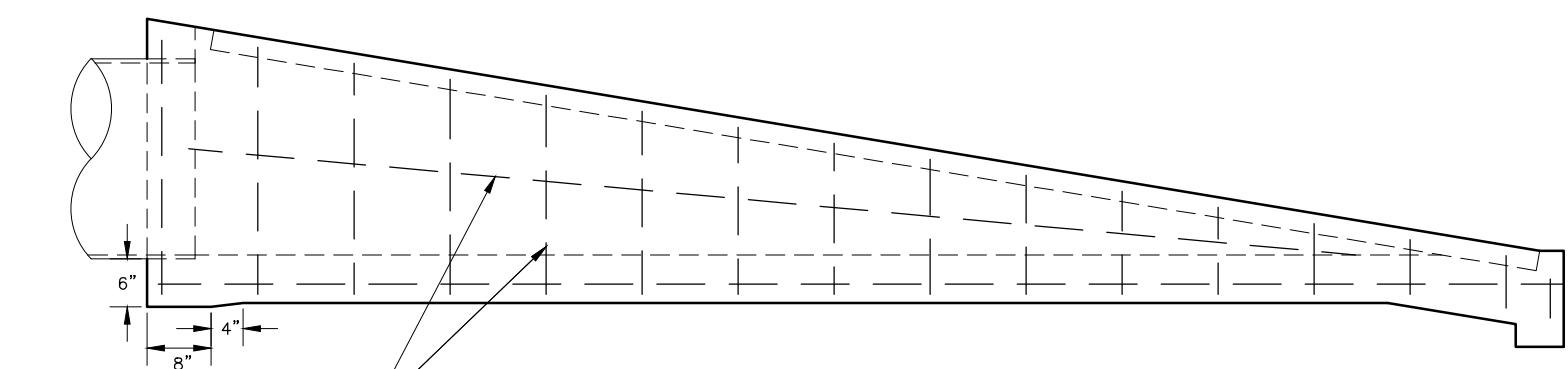
NO. 4 REBAR EQUALLY SPACED 12" O.C.

**PLAN VIEW**

GRATE NOT SHOWN FOR CLARITY

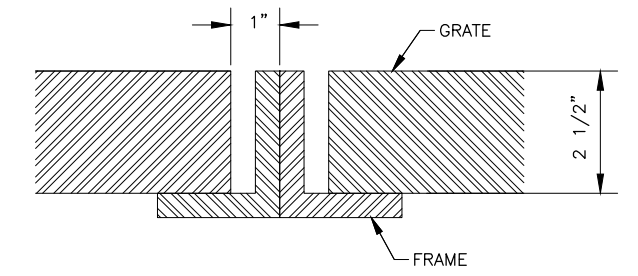
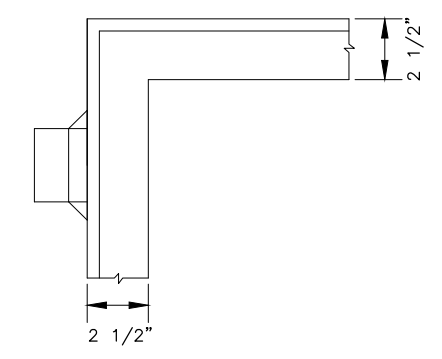


**SECTION A-A**

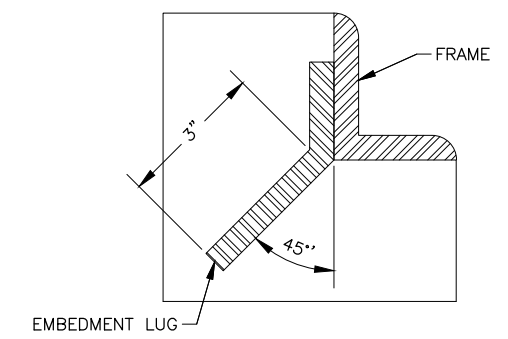


NO. 4 REBAR EQUALLY SPACED 12" O.C.

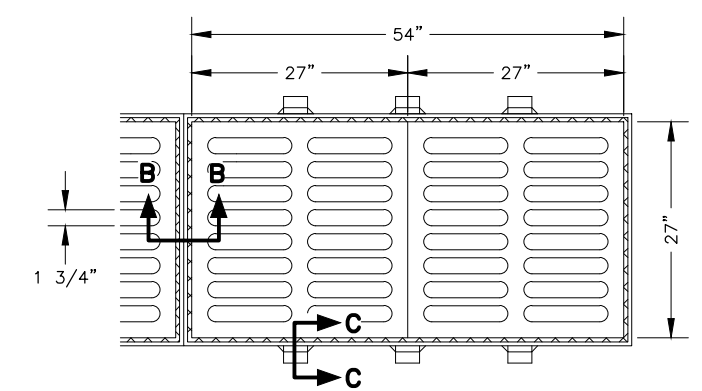
**TYPICAL REINFORCEMENT STEEL DETAIL**



**SECTION B-B**



**SECTION C-C**



**FRAME & GRATE CONFIGURATION**

FINISHED GRATE SIZE IS 27"x44"

PIH  
9/4/2024

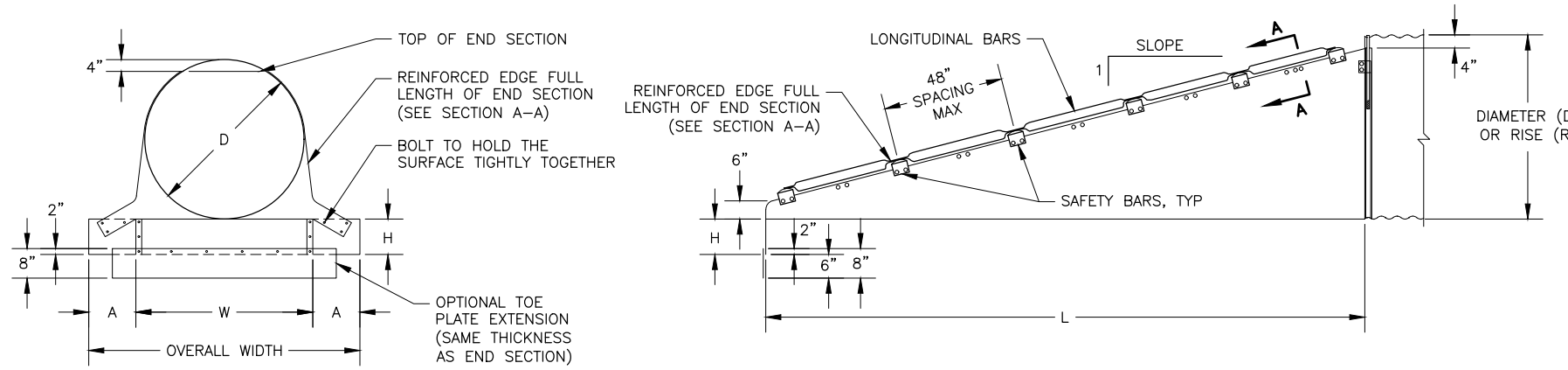
PLANS DEVELOPED BY:  
KINNEY ENGINEERING, LLC  
3909 Arctic Blvd, Suite 400  
ANCHORAGE, AK 99503  
(907) 346-2373  
CERT. OF AUTH. NO. AECL 1102

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
**GLENN HWY:  
AIRPORT HEIGHTS TO PARKS HWY  
REHABILITATION**  
TYPE G OUTLET BOX  
ON 6 TO 1 SLOPE

**PRELIMINARY**

**NOTES:**

1. USE END SECTIONS ON 1V:4H TO 1V:6H SLOPES ONLY. USE TOE PLATE EXTENSION WHERE SHOWN ON THE PLANS.
2. FABRICATE SAFETY AND LONGITUDINAL BARS FROM STEEL PIPE CONFORMING TO ASTM A53 SCHEDULE 40 SPECIFICATIONS. GALVANIZE BARS HOT DIPPED AFTER FABRICATION.
3. A LONGITUDINAL BAR IS REQUIRED FOR CROSS DRAINAGE END SECTIONS WHEN THE SPAN IS GREATER THEN 30". USE ADDITIONAL LONGITUDINAL BARS IF SPACING EXCEEDS 30" ON LARGER AND SECTIONS.



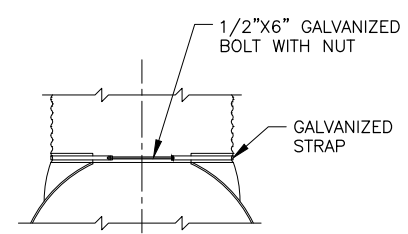
**FRONT VIEW**

**ELEVATION**

**PIPE PIPE CULVERT**

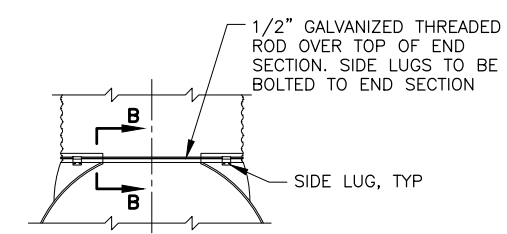
**CROSS DRAINAGE END SECTION**

METAL END SECTION FOR ROUND PIPE CULVERT							
PIPE SIZE Ø INCHES	METAL THICKNESS (MIN) INCH/GAGE	DIMENSIONS IN INCHES					
		A	H	W	OVERALL WIDTH	L	
						SLOPE=4	SLOPE=6
18	0.064/16	8	6	24	40	32	47
24	0.064/16	8	6	30	46	55	83
30	0.109/12	12	9	36	60	79	118
36	0.109/12	12	9	42	66	102	154
42	0.109/12	16	12	48	80	126	189
48	0.109/12	16	12	54	86	150	224
54	0.109/12	16	12	60	92	173	260
60	0.109/12	16	12	66	98	197	295



FOR METAL ROUND PIPES  
15" THRU 24"

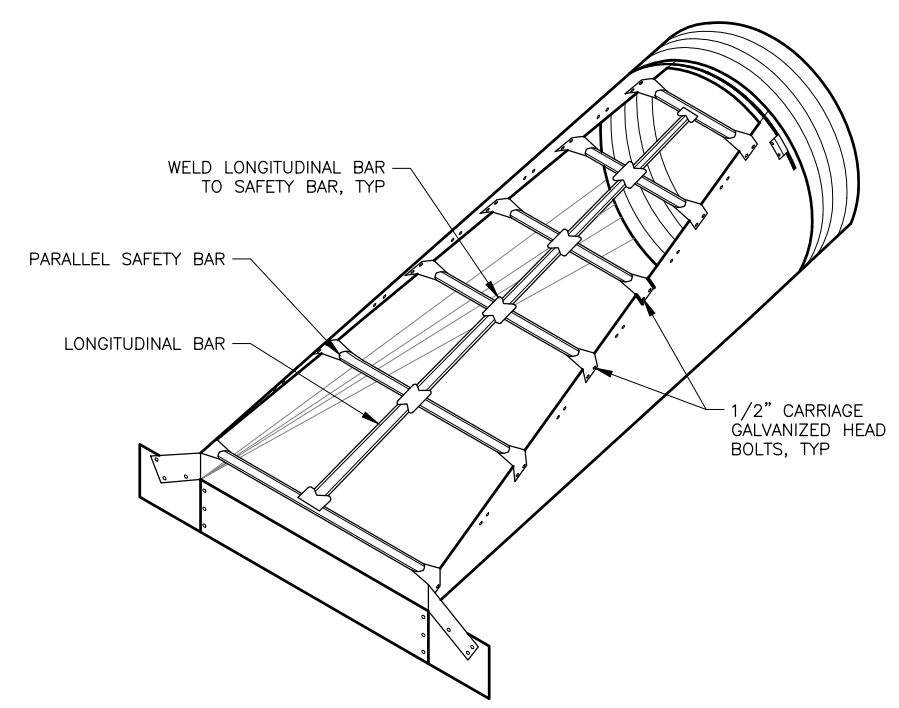
**TYPE 1**



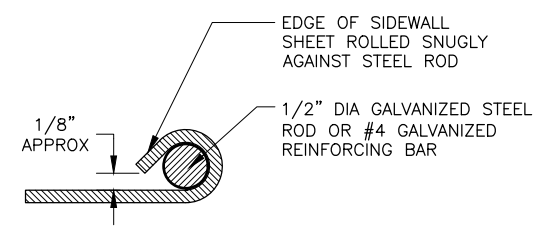
FOR METAL ROUND PIPES 30"  
AND LARGER. FOR PIPE ARCHES  
21"X15" AND LARGER

**TYPE 2**

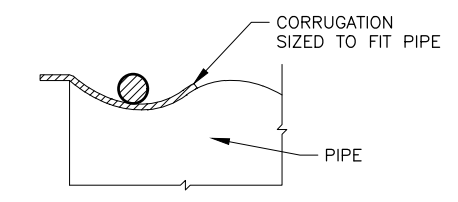
**CONNECTOR DETAILS**



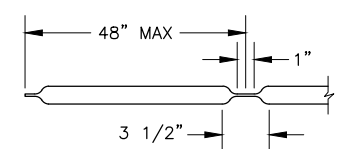
**CROSS DRAINAGE END SECTION**



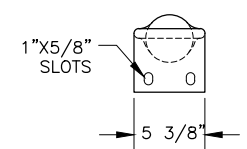
**SECTION A-A**



**SECTION B-B**

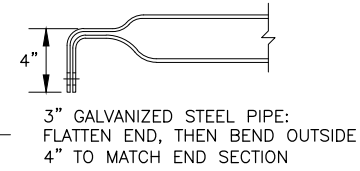


**LONGITUDINAL  
DRAINAGE BAR**



**PARALLEL BARS**

**SAFETY BAR DETAILS**



3" GALVANIZED STEEL PIPE:  
FLATTEN END, THEN BEND OUTSIDE  
4" TO MATCH END SECTION

**PRELIMINARY**

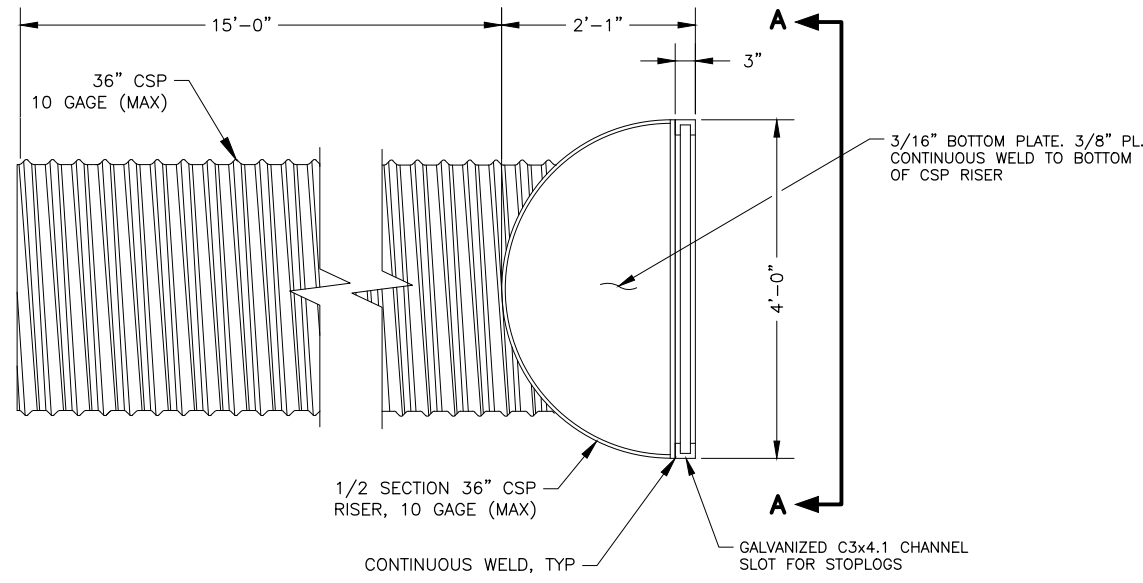
PIH  
8/29/2024  
PLANS DEVELOPED BY:  
KINNEY ENGINEERING, LLC  
3909 Arctic Blvd, Suite 400  
ANCHORAGE, AK 99503  
(907) 346-2373  
CERT. OF AUTH. NO. AECL 1102

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
**GLENN HWY:  
AIRPORT HEIGHTS TO PARKS HWY  
REHABILITATION**  
**CULVERT END SECTION  
WITH SAFETY BARS DETAIL**

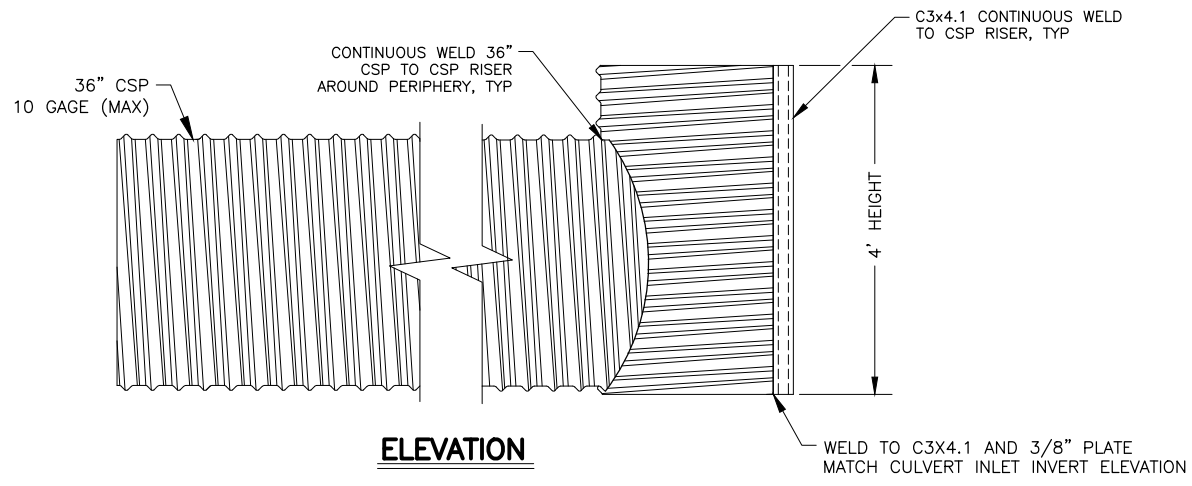
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SCALE: 1" = 1'  
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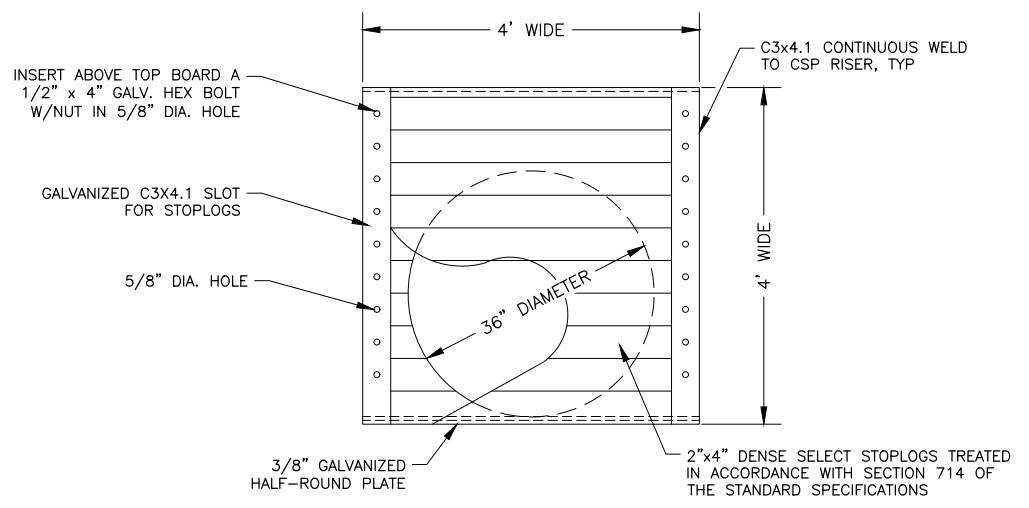
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	E13	E26



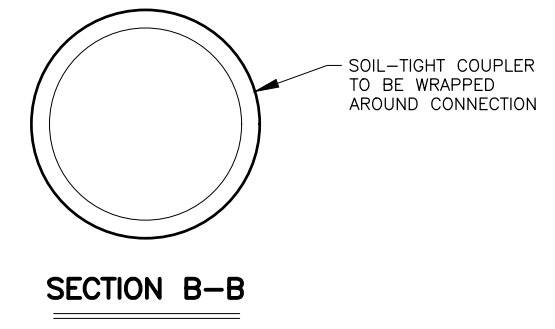
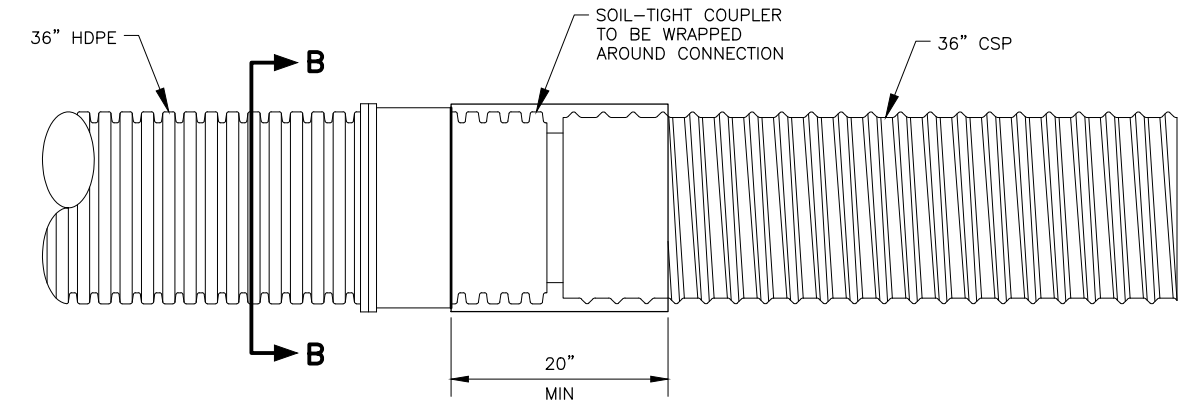
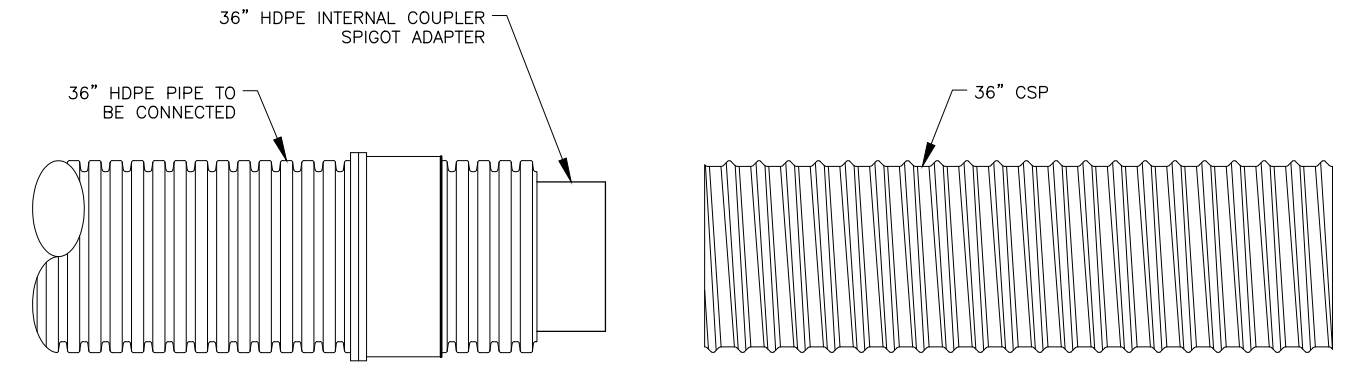
**PLAN VIEW**



**ELEVATION**



**SECTION A-A**  
**PREFABRICATED CSP STOPLOG STRUCTURE**



**SECTION B-B**

**HDPE TO CSP CONNECTION DETAIL**

**NOTES:**

- INTERNAL COUPLER SPIGOT ADAPTER AND SOIL-TIGHT COUPLE SHALL BE INSTALL ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
- AFTER WELDS ARE COMPLETE, REPAIR DAMAGE TO GALVANIZING IN ACCORDANCE WITH SECTION 622 OF THE STANDARD SPECIFICATIONS.

PIH  
8/29/2024

PLANS DEVELOPED BY:  
KINNEY ENGINEERING, LLC  
3909 Arctic Blvd, Suite 400  
ANCHORAGE, AK 99503  
(907) 346-2373  
CERT. OF AUTH. NO. AECL 1102

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
**GLENN HWY:  
AIRPORT HEIGHTS TO PARKS HWY  
REHABILITATION**  
CSP STOPLOG STRUCTURE &  
HDPE TO CSP CONNECTION

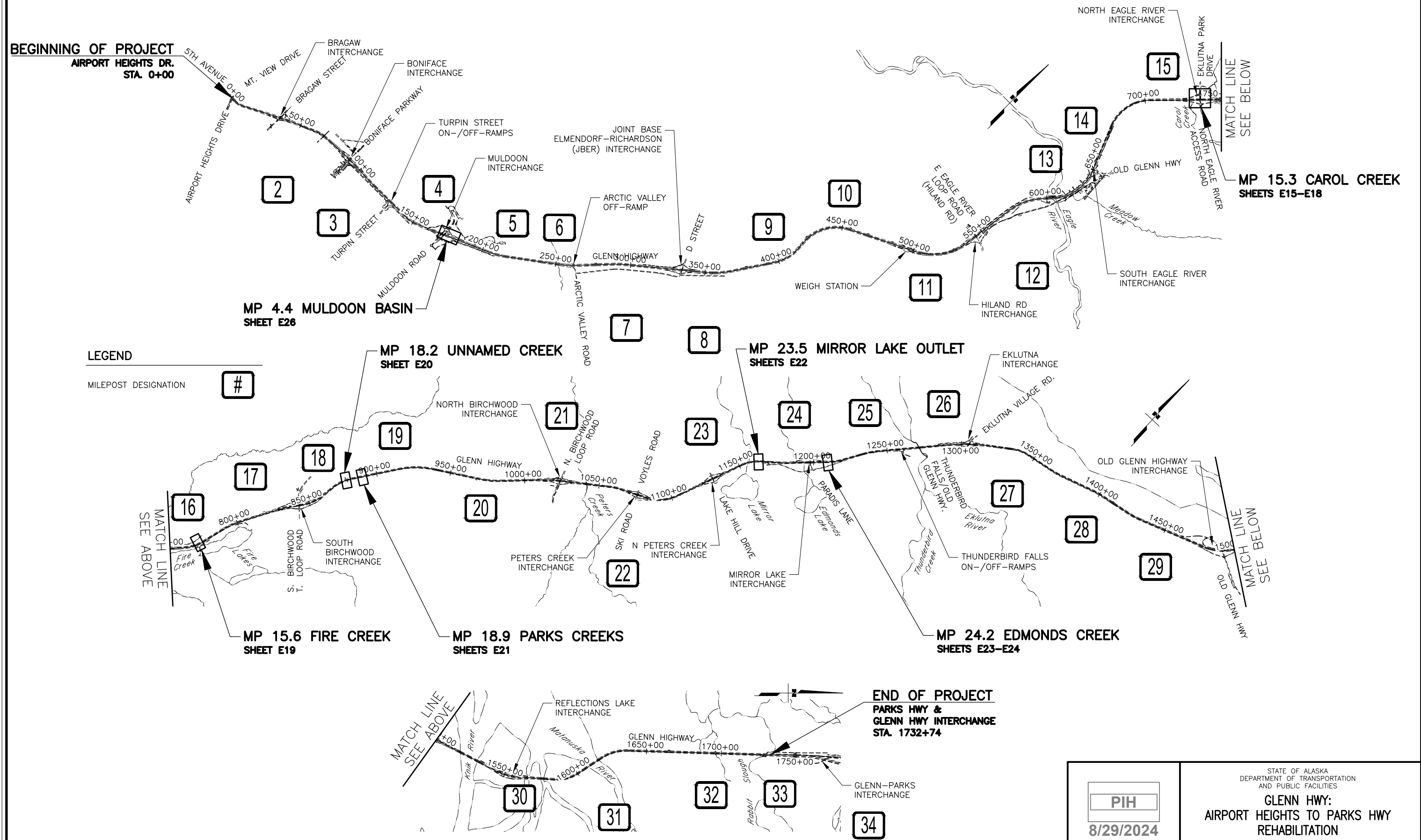
**PRELIMINARY**

DRAWING LOCATION: Z:\PROJECTS\005777 GLENN HWY AIRPORT HTS TO PARKS HWY\DWGS\C\SHEETS\00545-E7-E13\_DRAINAGE\_DETAILS.DWG  
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DRAFTED BY: [blank]



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	E14	E26

DESIGNED BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 DRAFTED BY: \_\_\_\_\_  
 SCALE: \_\_\_\_\_  
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 DATE: 8/29/2024 6:11 PM  
 DRAWING LOCATION: Z:\PROJECTS\009777 GLENN HWY AIRPORT HTS TO PARKS\DWGS\C\DWGS\00945\_E14\_FISH\_PSG SCHEMATIC.DWG




**LEGEND**

MILEPOST DESIGNATION #

**SHEET LAYOUT**  
GLENN HIGHWAY

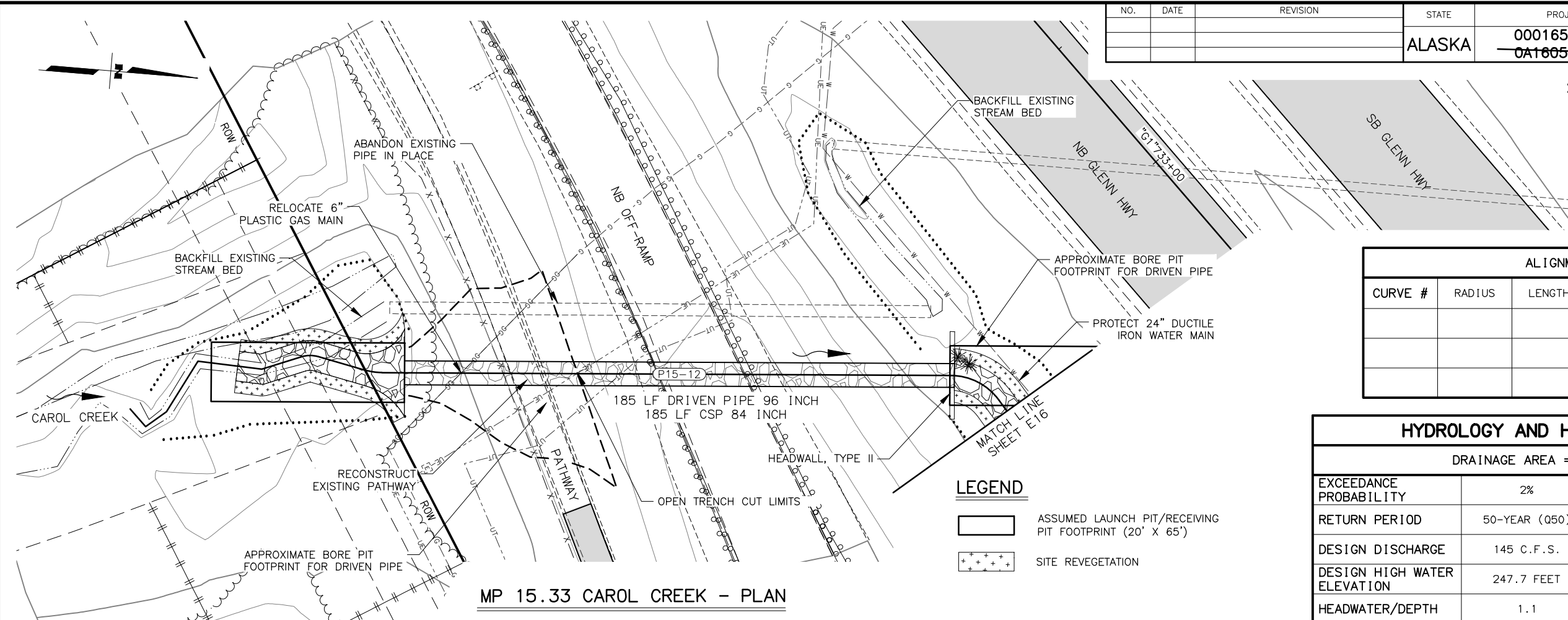
**PRELIMINARY**

  
 8/29/2024  
 PLANS DEVELOPED BY:  
 KINNEY ENGINEERING, LLC  
 3909 Arctic Blvd., Suite 400  
 ANCHORAGE, AK 99503  
 (907) 346-2373  
 CERT. OF AUTH. NO. AECL 1102

STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
**GLENN HWY:**  
**AIRPORT HEIGHTS TO PARKS HWY**  
**REHABILITATION**  
 FISH PASSAGE PLAN SCHEMATIC

SJC  
 DESIGNED BY  
 CHECKED BY  
 DRAFTED BY  
 CAD  
 SCALE  
 1" = 20'  
 DATE  
 9/5/2024 11:07 AM  
 TIME  
 11:07 AM  
 DRAWING LOCATION  
 Z:\PROJECTS\009777 GLENN HWY AIRPORT HTS TO PARKS HWY\DWGS\C\ SHEETS\H&H\00545\_HH\_E15-E18 CAROL CREEK\_PNP.DWG

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	E15	E26



LINE #	DIRECTION	LENGTH

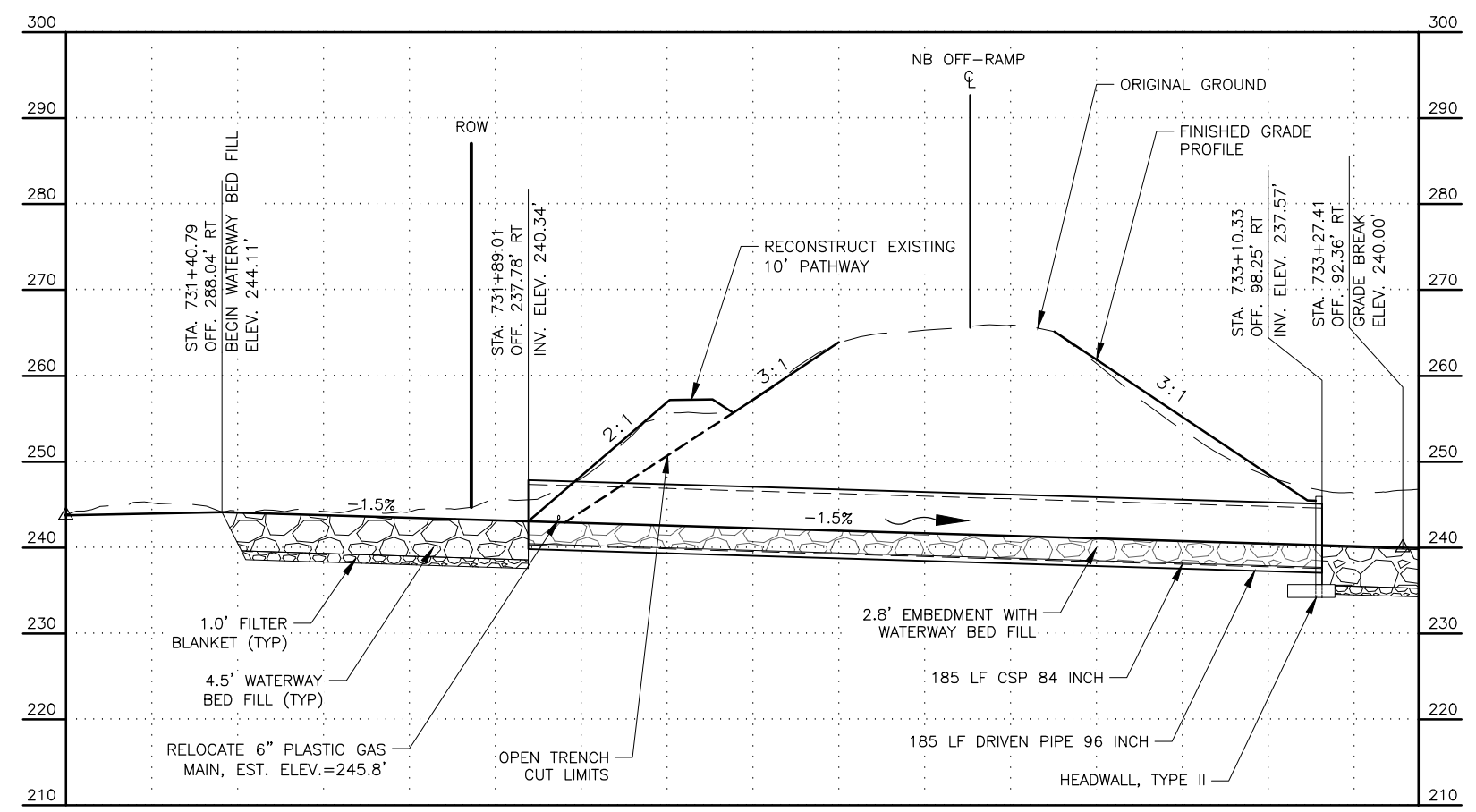
CURVE #	RADIUS	LENGTH	DELTA ANGLE	CHORD DIRECTION	CHORD LENGTH

DRAINAGE AREA = 1.98 SQUARE MILES			
EXCEEDANCE PROBABILITY	2%	1%	REGULATORY FLOOD
RETURN PERIOD	50-YEAR (Q50)	100-YEAR (Q100)	N/A
DESIGN DISCHARGE	145 C.F.S.	175 C.F.S.	N/A
DESIGN HIGH WATER ELEVATION	247.7 FEET	250.1 FEET	N/A
HEADWATER/DEPTH	1.1	1.7	N/A
ANTICIPATED ADDITIONAL BACKWATER (Q100) = 0.0 FEET			

**LEGEND**

ASSUMED LAUNCH PIT/RECEIVING PIT FOOTPRINT (20' X 65')  
 SITE REVEGETATION

**MP 15.33 CAROL CREEK - PLAN**



**MP 15.33 CAROL CREEK - PROFILE**

**NOTES**

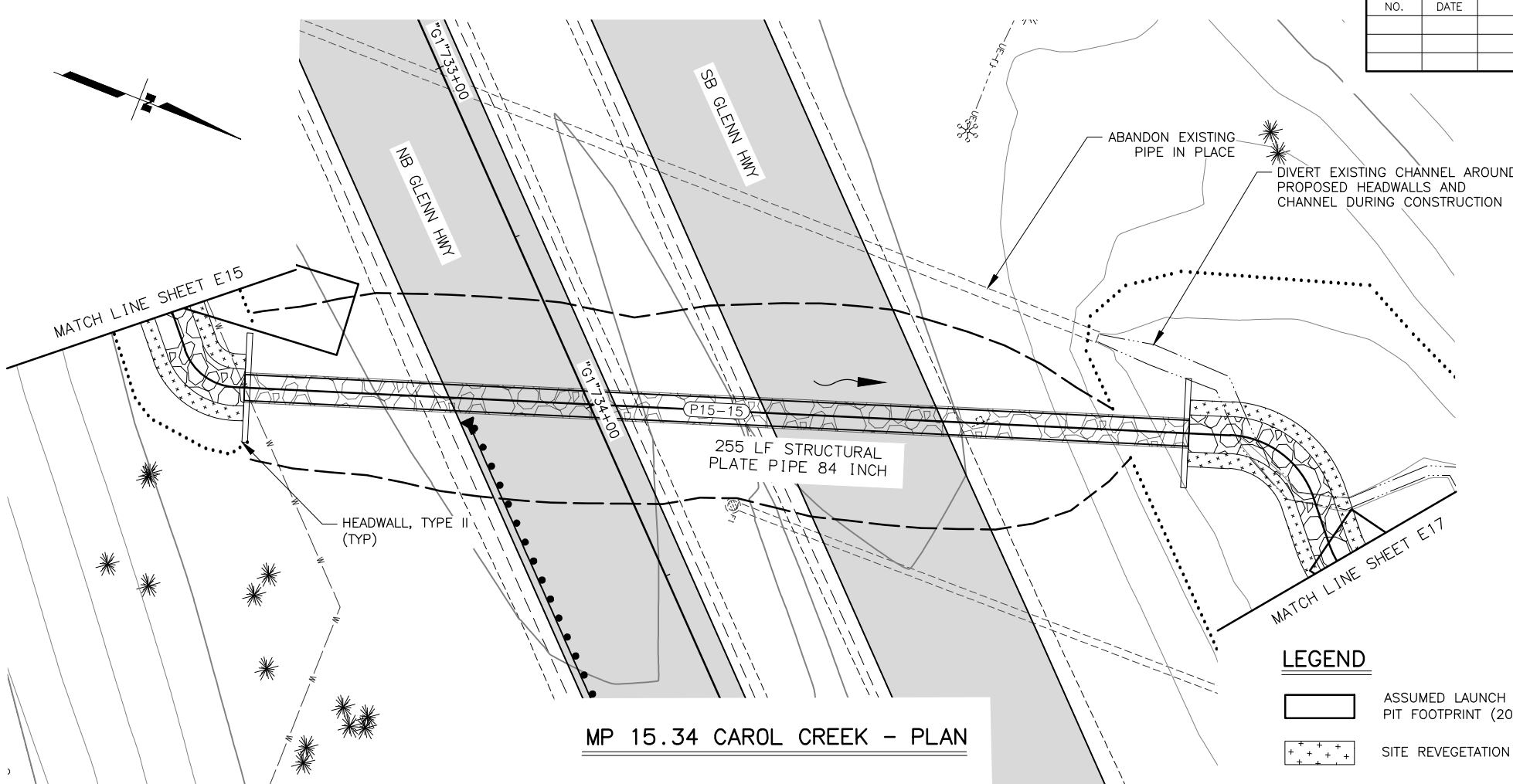
- ALL WORK IS PROHIBITED EXCEPT IN ACCORDANCE WITH PERMITS.
- INLET: N61.340691, W149.566656  
OUTLET: N61.341168, W149.566743
- CULVERT DEPTH OF COVER VARIES FROM 8.0' TO 20.0'.
- WILLOW STAKING SHALL BE CONSTRUCTED PER THE "STREAMBANK REVEGETATION AND PROTECTION-A GUIDE FOR ALASKA" DESIGN GUIDELINES DATED 2005.
- OPEN TRENCH TO OPEN TRENCH CUT LIMITS ON UPSTREAM END OF PIPE, THEN BEGIN DRIVEN PIPE 96 INCH

**PRELIMINARY**

 <b>PIH</b> 9/5/2024 <small>PLANS DEVELOPED BY:          KINNEY ENGINEERING, LLC          3909 Arctic Blvd, Suite 400          ANCHORAGE, AK 99503          (907) 346-2373          CERT. OF AUTH. NO. AECL 1102</small>	<small>STATE OF ALASKA          DEPARTMENT OF TRANSPORTATION          AND PUBLIC FACILITIES</small> <b>GLENN HWY:          AIRPORT HEIGHTS TO PARKS HWY          REHABILITATION</b> <b>MP 15.33 CAROL CREEK          1 OF 4 PLAN AND PROFILE</b>
---	--

DRAWING LOCATION: Z:\PROJECTS\009777 GLENN HWY AIRPORT HTS TO PARKS HWY\DWGS\C SHEETS\H&H\00545\_HH\_E15-E18 CAROL CREEK\_PNP.DWG  
 DATE: 9/5/2024 11:09 AM  
 TIME: 11:09 AM  
 SCALE: 1" = 20'  
 DESIGNED BY: SJC  
 CHECKED BY: CAD  
 DRAFTED BY: CAD

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	E16	E26



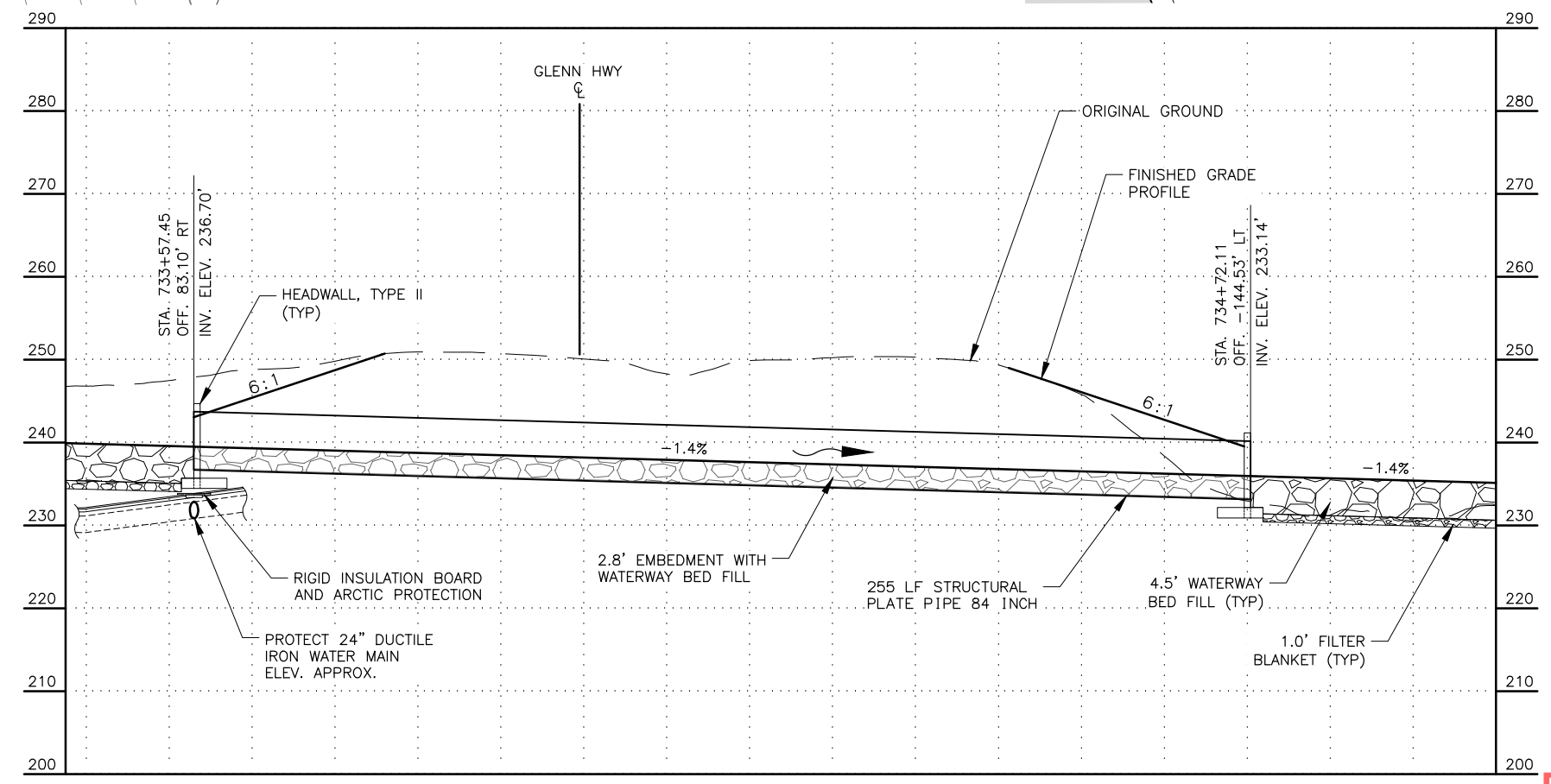
**LEGEND**

- ASSUMED LAUNCH PIT/RECEIVING PIT FOOTPRINT (20' X 65')
- SITE REVEGETATION

HYDROLOGY AND HYDRAULICS SUMMARY			
DRAINAGE AREA = 1.98 SQUARE MILES			
EXCEEDANCE PROBABILITY	2%	1%	REGULATORY FLOOD
RETURN PERIOD	50-YEAR (Q50)	100-YEAR (Q100)	N/A
DESIGN DISCHARGE	145 C.F.S.	175 C.F.S.	N/A
DESIGN HIGH WATER ELEVATION	243.9 FEET	246.7 FEET	N/A
HEADWATER/DEPTH	1.0	1.7	N/A
ANTICIPATED ADDITIONAL BACKWATER (Q100) = 0.0 FEET			

**NOTES**

1. ALL WORK IS PROHIBITED EXCEPT IN ACCORDANCE WITH PERMITS.
2. INLET: N61.341289, W149.566709  
OUTLET: N61.341898, W149.567058
3. CULVERT DEPTH OF COVER VARIES FROM 4.0' TO 7.4'.
4. WILLOW STAKING SHALL BE CONSTRUCTED PER THE "STREAMBANK REVEGETATION AND PROTECTION-A GUIDE FOR ALASKA" DESIGN GUIDELINES DATED 2005.



**PRELIMINARY**

PIH

9/5/2024

PLANS DEVELOPED BY:  
KINNEY ENGINEERING, LLC  
3909 Arctic Blvd, Suite 400  
ANCHORAGE, AK 99503  
(907) 346-2373  
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STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES

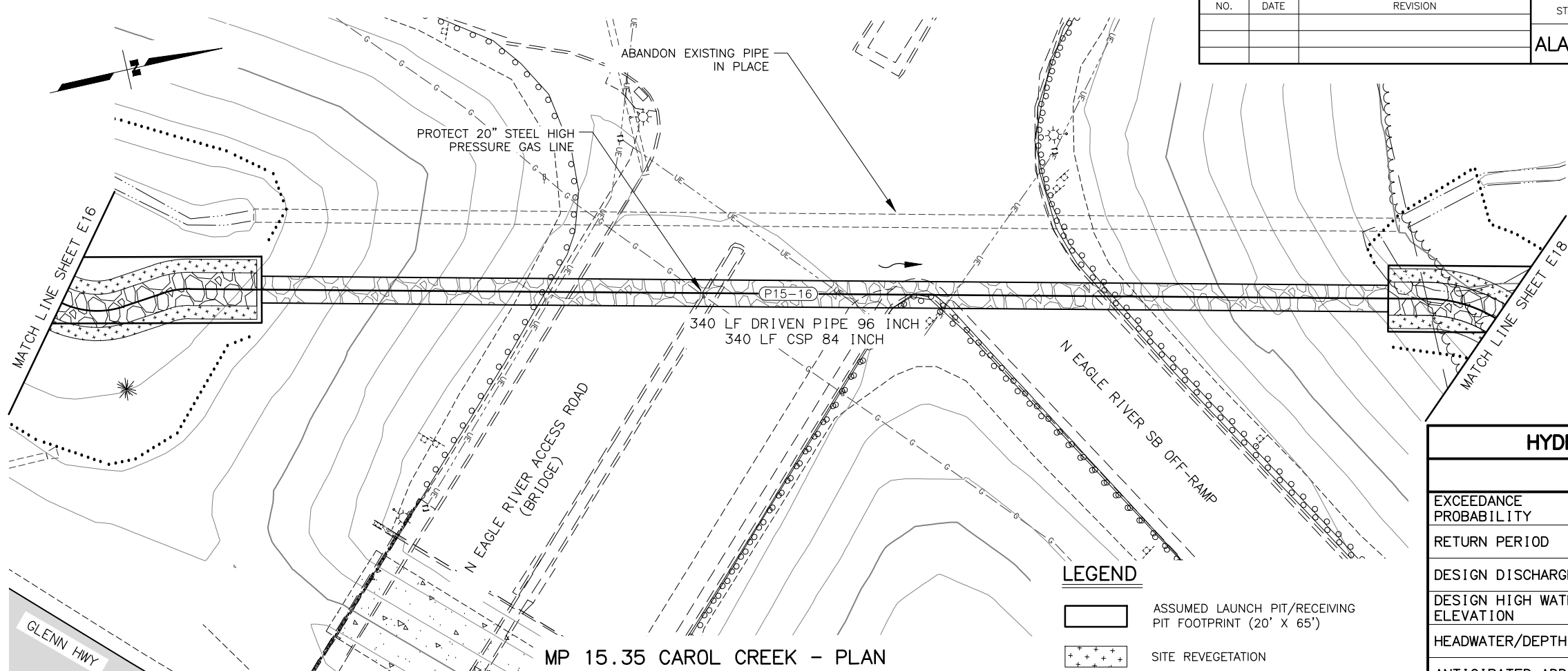
GLENN HWY:  
AIRPORT HEIGHTS TO PARKS HWY  
REHABILITATION

MP 15.34 CAROL CREEK  
2 OF 4 PLAN AND PROFILE



DRAWING LOCATION: Z:\PROJECTS\009777 GLENN HWY AIRPORT HTS TO PARKS HWY\DWGS\C\SHEETS\H&H\00545\_HH\_E15-E18 CAROL CREEK\_PNP.DWG  
 DATE: 9/5/2024 11:11 AM  
 SCALE: 1" = 20'  
 DESIGNED BY: SJC  
 CHECKED BY: SJC  
 DRAFTED BY: CAD

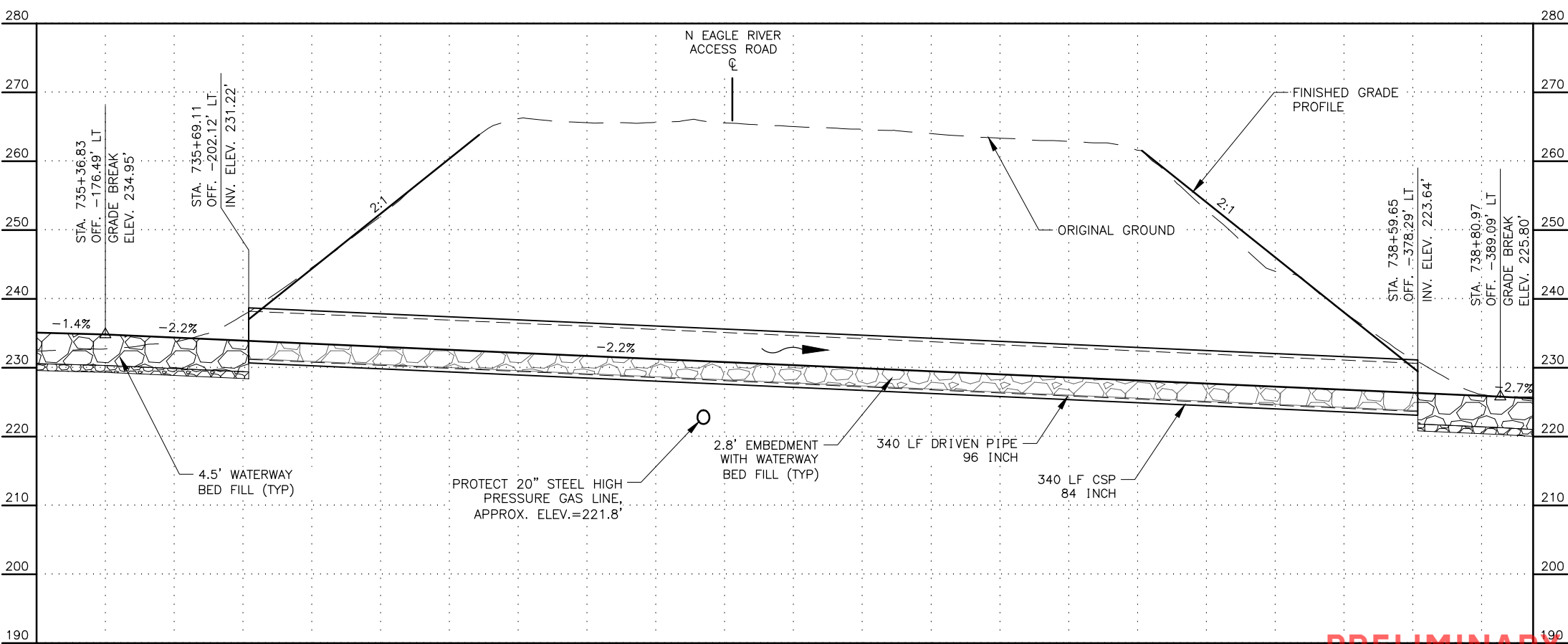
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	E17	E26



**LEGEND**

ASSUMED LAUNCH PIT/RECEIVING PIT FOOTPRINT (20' X 65')  
 SITE REVEGETATION

HYDROLOGY AND HYDRAULICS SUMMARY			
DRAINAGE AREA = 1.98 SQUARE MILES			
EXCEEDANCE PROBABILITY	2%	1%	REGULATORY FLOOD
RETURN PERIOD	50-YEAR (Q50)	100-YEAR (Q100)	N/A
DESIGN DISCHARGE	145 C.F.S.	175 C.F.S.	N/A
DESIGN HIGH WATER ELEVATION	238.4 FEET	239.2 FEET	N/A
HEADWATER/DEPTH	1.0	1.2	N/A
ANTICIPATED ADDITIONAL BACKWATER (Q100) = 0.0 FEET			



- NOTES**
- ALL WORK IS PROHIBITED EXCEPT IN ACCORDANCE WITH PERMITS.
  - INLET: N61.342268, W149.566923  
OUTLET: N61.343154, W149.566496
  - CULVERT DEPTH OF COVER VARIES FROM 26.6' TO 30.4'.
  - WILLOW STAKING SHALL BE CONSTRUCTED PER THE "STREAMBANK REVEGETATION AND PROTECTION-A GUIDE FOR ALASKA" DESIGN GUIDELINES DATED 2005.

 <b>PIH</b> 9/5/2024	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES <b>GLENN HWY:          AIRPORT HEIGHTS TO PARKS HWY          REHABILITATION</b>  <b>MP 15.35 CAROL CREEK          3 OF 4 PLAN AND PROFILE</b>
<small>           PLANS DEVELOPED BY:            KINNEY ENGINEERING, LLC            3909 Arctic Blvd, Suite 400            ANCHORAGE, AK 99503            (907) 346-2373            CERT. OF AUTH. NO. AECL 1102         </small>	

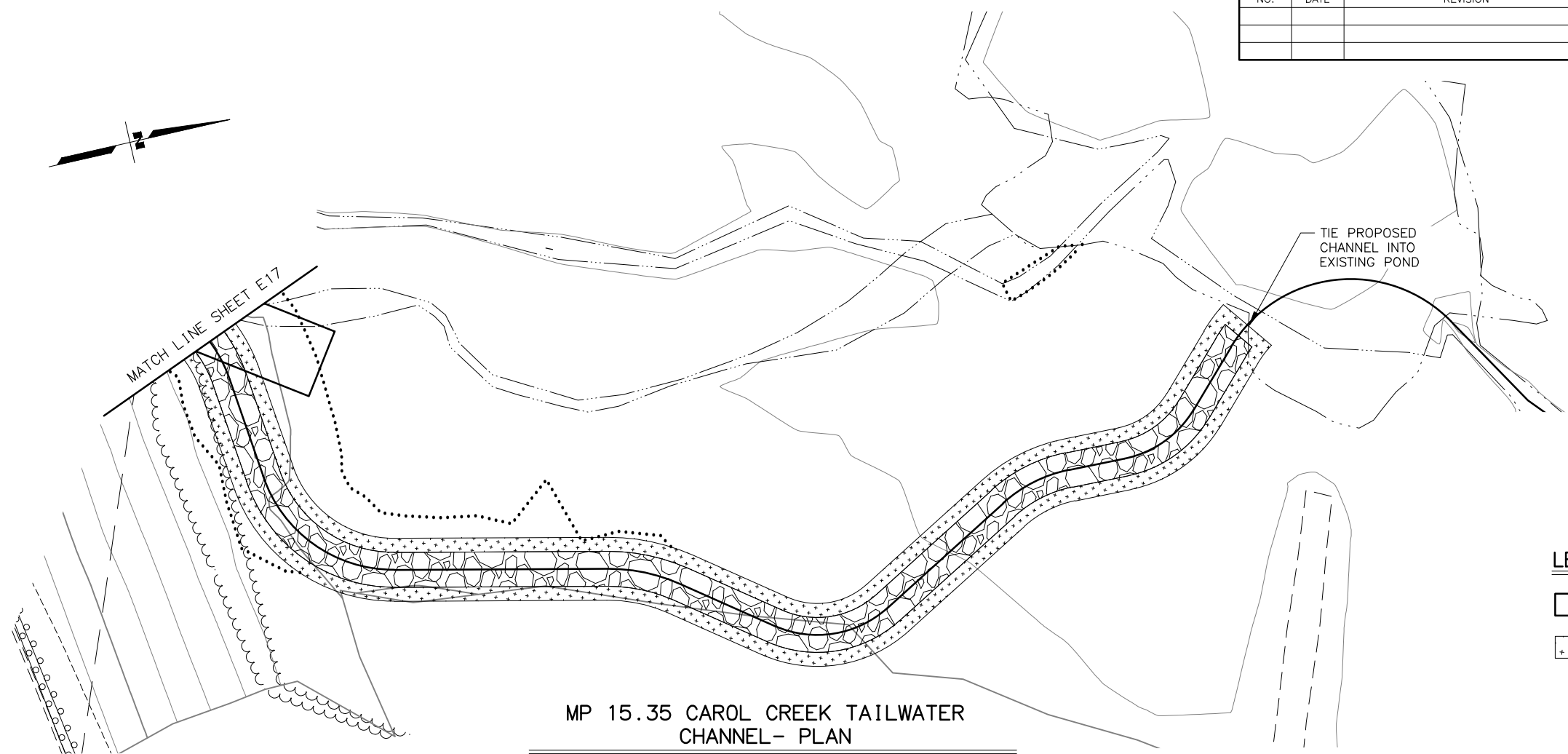
PRELIMINARY

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 TIME: 11:14 AM  
 SCALE: 1" = 20'  
 DESIGNED BY: SJC  
 CHECKED BY: CAD  
 DRAFTED BY: CAD

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	E18	E26

**NOTES**

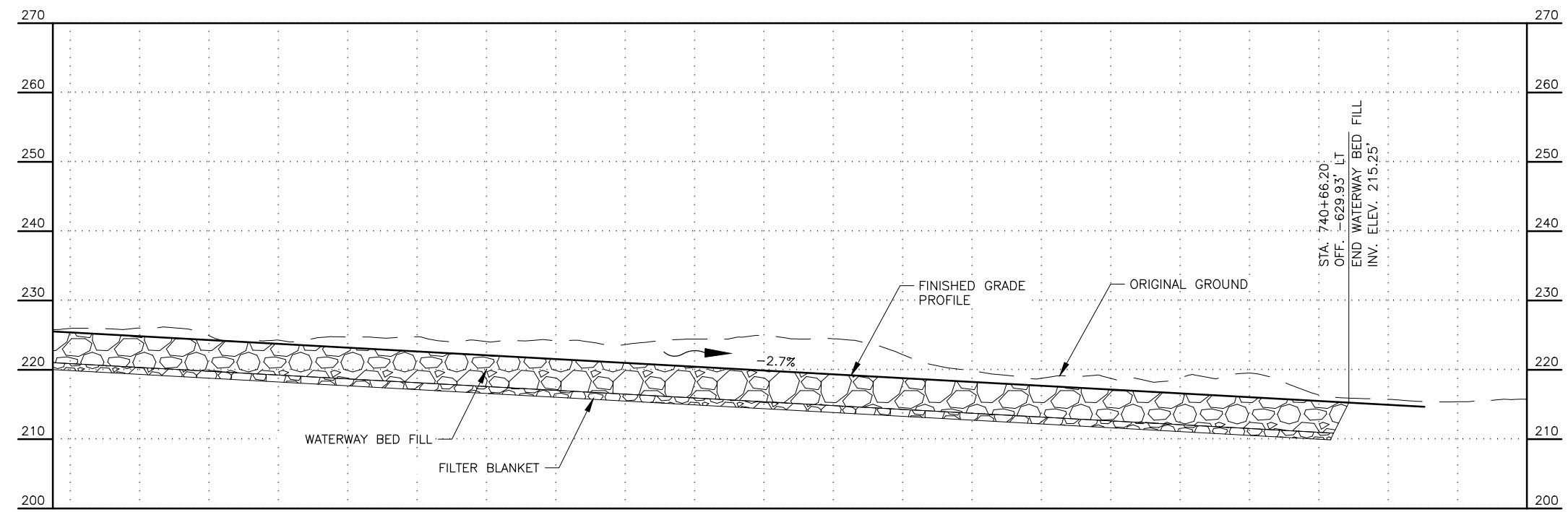
1. ALL WORK IS PROHIBITED EXCEPT IN ACCORDANCE WITH PERMITS.
2. WILLOW STAKING SHALL BE CONSTRUCTED PER THE "STREAMBANK REVEGETATION AND PROTECTION-A GUIDE FOR ALASKA" DESIGN GUIDELINES DATED 2005.



MP 15.35 CAROL CREEK TAILWATER CHANNEL- PLAN

**LEGEND**

- ASSUMED LAUNCH PIT/RECEIVING PIT FOOTPRINT (20' X 65')
- SITE REVEGETATION



MP 15.35 CAROL CREEK TAILWATER CHANNEL- PROFILE

**PRELIMINARY**



 <b>9/5/2024</b>	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES <b>GLENN HWY:          AIRPORT HEIGHTS TO PARKS HWY          REHABILITATION</b> <b>E18 - MP 15.35 CAROL          CREEK 4 OF 4 PLAN AND          PROFILE</b>
PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 ANCHORAGE, AK 99503 (907) 346-2373 CERT. OF AUTH. NO. AECL 1102	

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	E19	E26

### HYDROLOGY AND HYDRAULICS SUMMARY

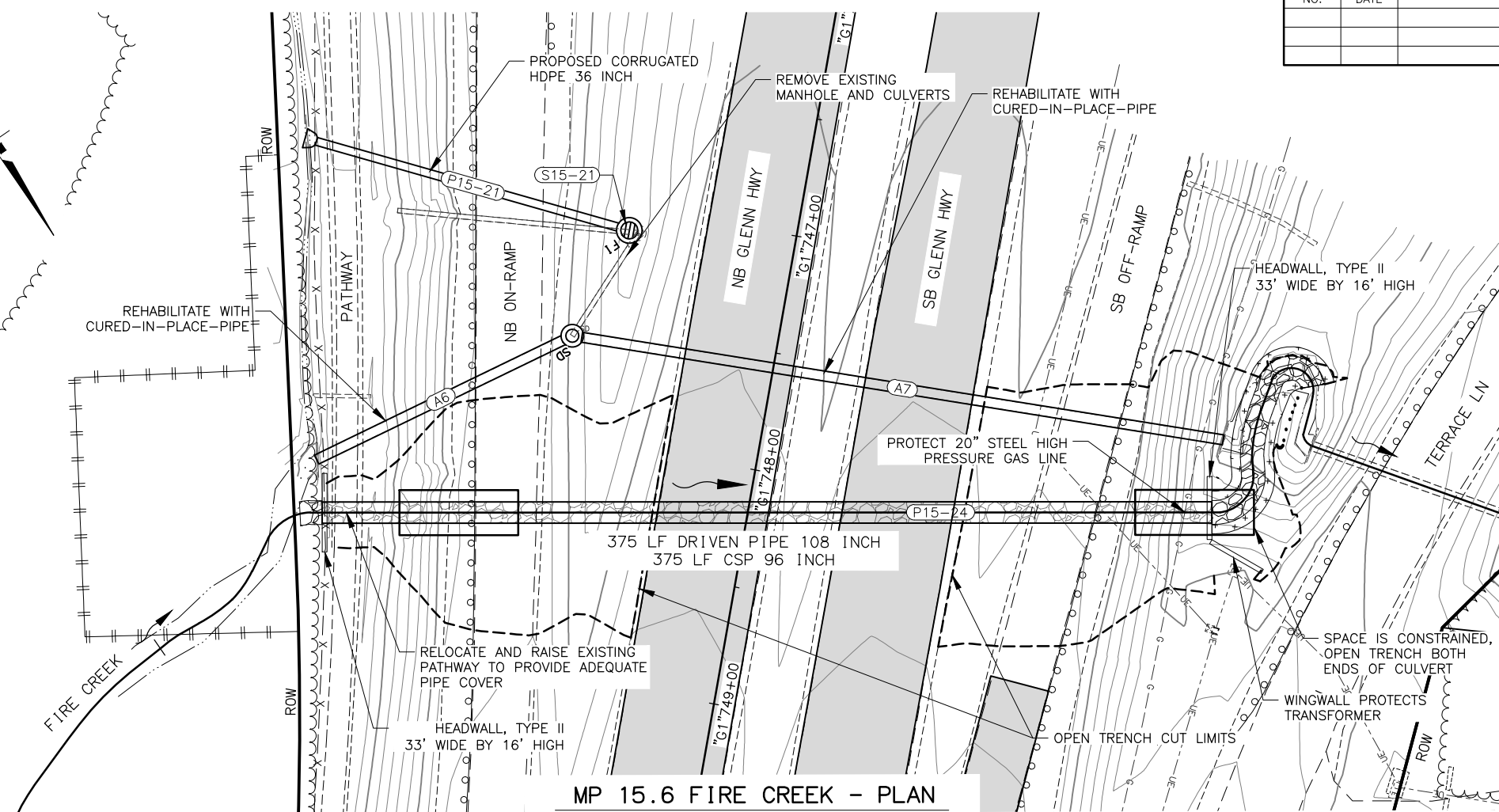
DRAINAGE AREA = 3.73 SQUARE MILES			
EXCEEDANCE PROBABILITY	1%	0.2%	REGULATORY FLOOD
RETURN PERIOD	100-YEAR (Q100)	500-YEAR (Q500)	N/A
DESIGN DISCHARGE	268 CFS	378 CFS	N/A
DESIGN HIGH WATER ELEVATION	228.7 FEET	232.8 FEET	N/A
HEADWATER/DEPTH	2.7	5.9	N/A
ANTICIPATED ADDITIONAL BACKWATER (Q100) = 0.0 FEET			

### LEGEND

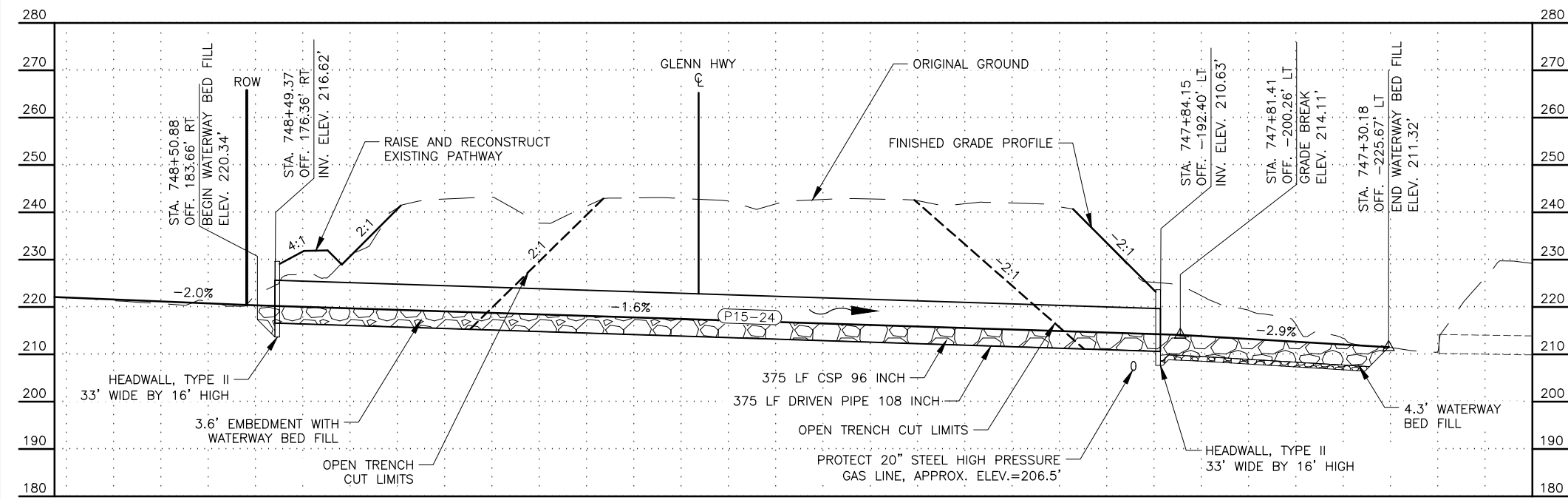
-  ASSUMED LAUNCH PIT/RECEIVING PIT FOOTPRINT (20' X 65')
-  SITE REVEGETATION

### NOTES

1. ALL WORK MUST BE PERFORMED IN ACCORDANCE WITH PERMITS.
2. INLET: N61.344011, W149.560239  
OUTLET: N61.344620, W149.562054
3. CULVERT DEPTH OF COVER VARIES FROM 16.8' TO 20.5'.
4. PERFORM WILLOW STAKING IN ACCORDANCE WITH THE "STREAMBANK REVEGETATION AND PROTECTION - A GUIDE FOR ALASKA, 2005" DESIGN GUIDELINES.



MP 15.6 FIRE CREEK - PLAN



MP 15.6 FIRE CREEK - PROFILE

**PRELIMINARY**

**PIH**  
9/4/2024

PLANS DEVELOPED BY:  
KINNEY ENGINEERING, LLC  
3909 Arctic Blvd., Suite 400  
ANCHORAGE, AK 99503  
(907) 346-2373  
CERT. OF AUTH. NO. AECL 1102

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
**GLENN HWY:  
AIRPORT HEIGHTS TO PARKS HWY  
REHABILITATION**  
MP 15.6 FIRE CREEK  
PLAN AND PROFILE

DRAWING LOCATION: Z:\PROJECTS\009777 GLENN HWY AIRPORT HTS TO PARKS\DWGS\C\SHEETS\H&H\00545\_HH\_E19 FIRE CREEK\_PNP.DWG



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DESIGNED BY: SJC  
CHECKED BY: CAD  
DRAFTED BY: CAD



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	E20	E26

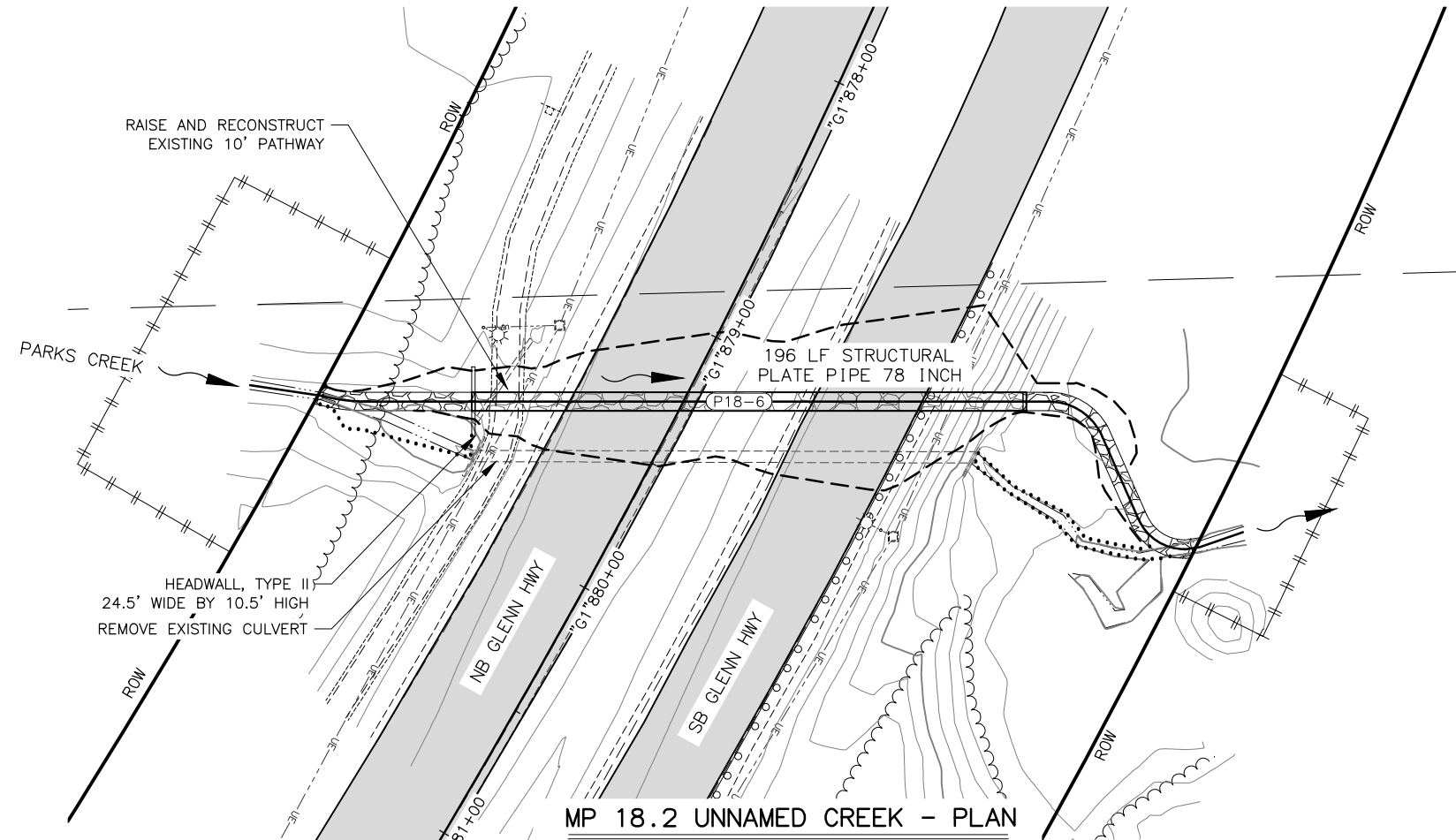
HYDROLOGY AND HYDRAULICS SUMMARY			
DRAINAGE AREA = 0.95 SQUARE MILES			
EXCEEDANCE PROBABILITY	2%	1%	REGULATORY FLOOD
RETURN PERIOD	50-YEAR (Q50)	100-YEAR (Q100)	N/A
DESIGN DISCHARGE	78 CFS	95 CFS	N/A
DESIGN HIGH WATER ELEVATION	241.0 FEET	241.4 FEET	N/A
HEADWATER/DEPTH	0.7	0.8	N/A
ANTICIPATED ADDITIONAL BACKWATER (Q100) = 0.0 FEET			

**LEGEND**

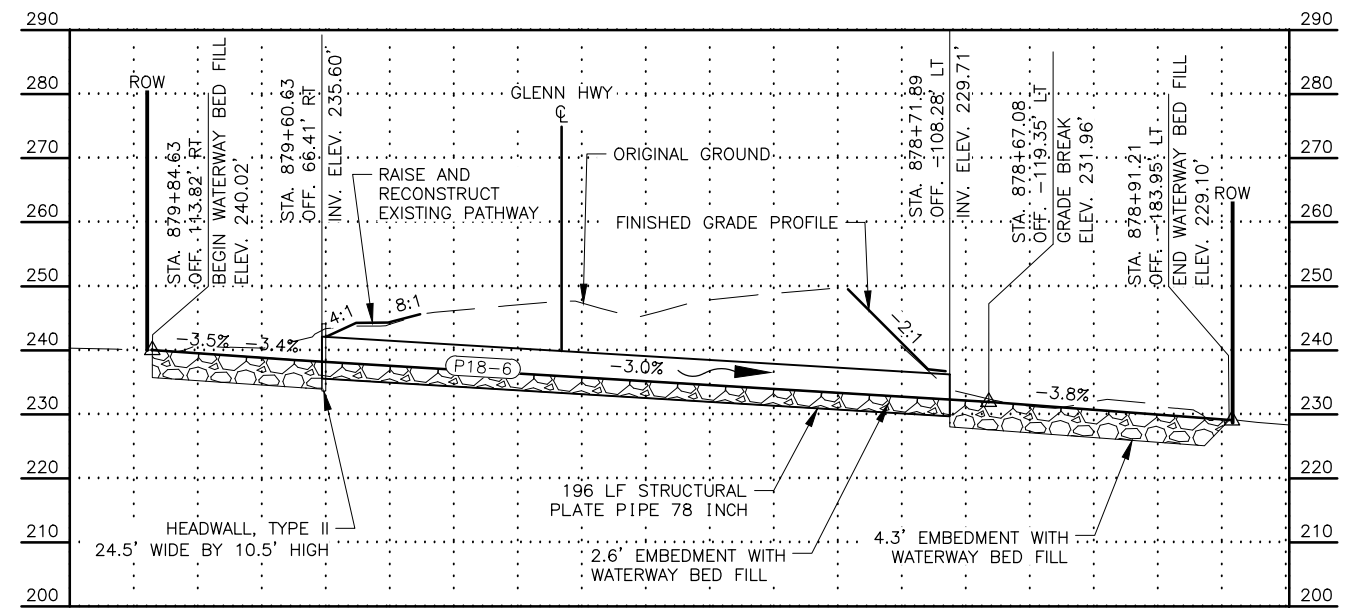
-  ASSUMED LAUNCH PIT/RECEIVING PIT FOOTPRINT (20' X 65')
-  SITE REVEGETATION

**NOTES**

1. ALL WORK MUST BE PERFORMED IN ACCORDANCE WITH PERMITS.
2. INLET: N61.375747, W149.527498  
OUTLET: N61.375764, W149.528614
3. CULVERT DEPTH OF COVER UNDER ROADWAY VARIES FROM 4.6' TO 12.3'. DEPTH OF COVER UNDER PATHWAY VARIES FROM 2.5' TO 2.8'.
4. PERFORM WILLOW STAKING IN ACCORDANCE WITH THE "STREAMBANK REVEGETATION AND PROTECTION - A GUIDE FOR ALASKA, 2005" DESIGN GUIDELINES.




MP 18.2 UNNAMED CREEK - PLAN



MP 18.2 UNNAMED CREEK - PROFILE

**PRELIMINARY**



9/4/2024

PLANS DEVELOPED BY:  
KINNEY ENGINEERING, LLC  
3909 Arctic Blvd., Suite 400  
ANCHORAGE, AK 99503  
(907) 346-2373  
CERT. OF AUTH. NO. AECL 1102

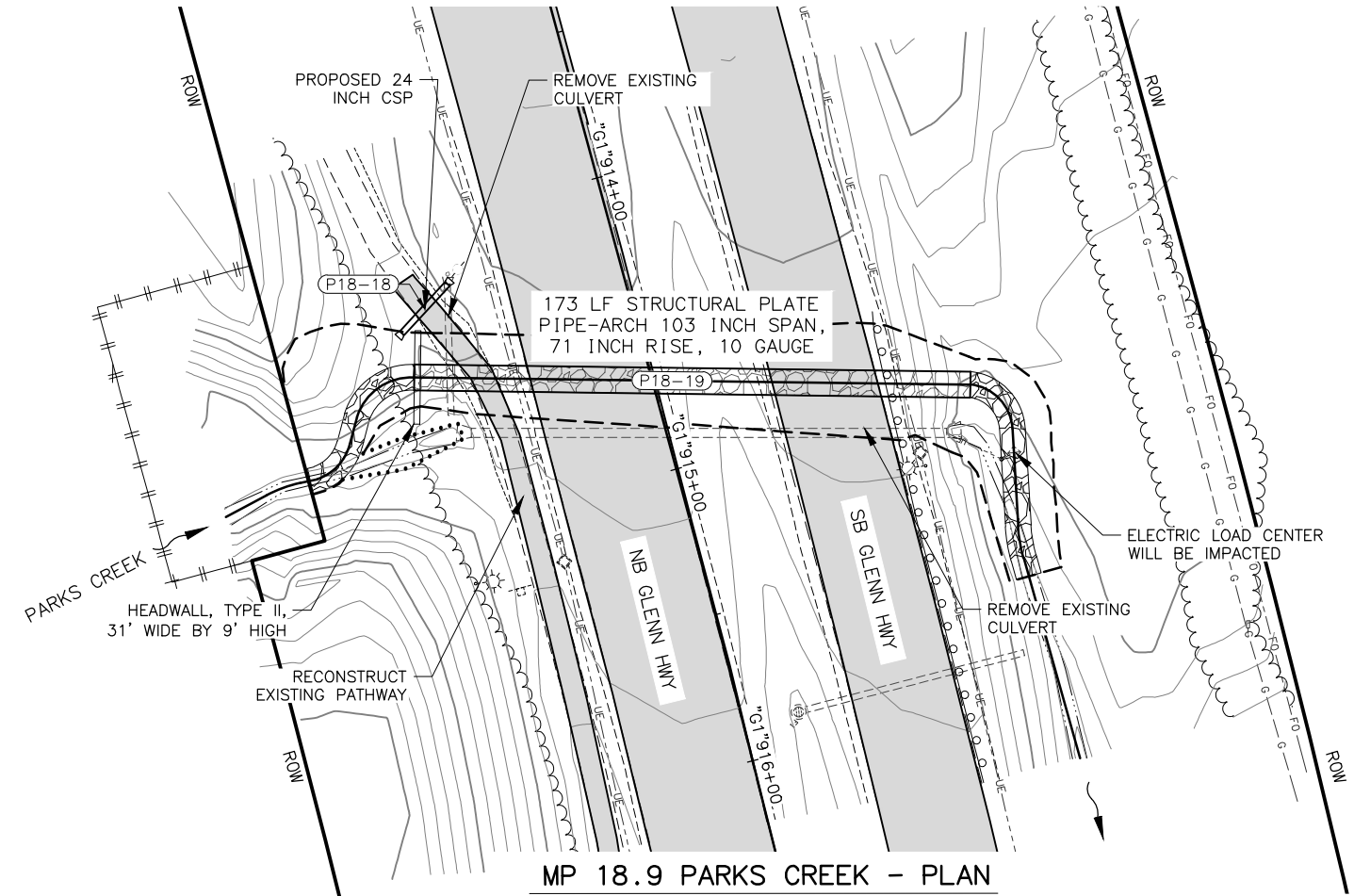
STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES

**GLENN HWY:  
AIRPORT HEIGHTS TO PARKS HWY  
REHABILITATION**

**MP 18.2 UNNAMED CREEK  
PLAN AND PROFILE**

DRAWING LOCATION: Z:\PROJECTS\005777 GLENN HWY AIRPORT HTS TO PARKS HWY\DWGS\C\ SHEETS\1821 UNNAMED AND PARKS CREEKS - PLAN.DWG  
 DATE: 9/4/2024 12:40 PM  
 SCALE: 1" = 20'  
 TIME: 12:40 PM  
 DESIGNED BY: SJC  
 CHECKED BY: CAD  
 DRAFTED BY: CAD

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	E21	E26



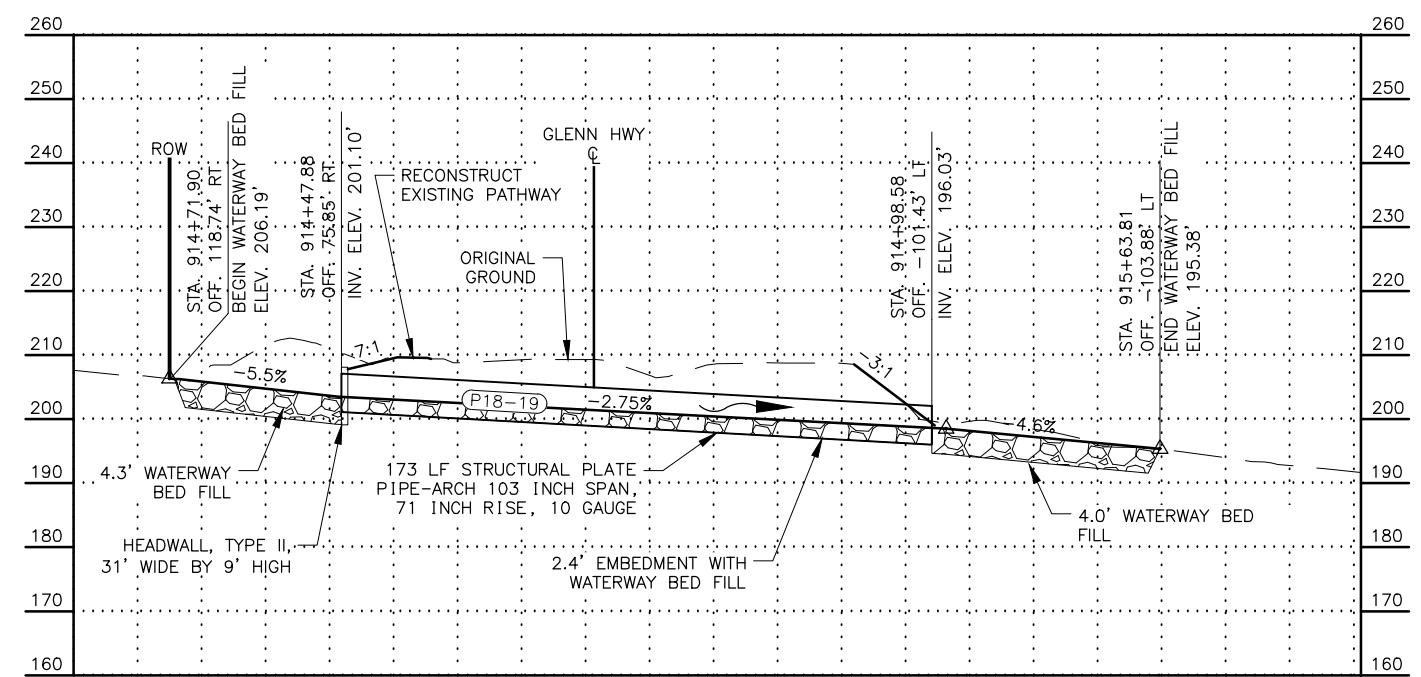
HYDROLOGY AND HYDRAULICS SUMMARY			
DRAINAGE AREA = 1.2 SQUARE MILES			
EXCEEDANCE PROBABILITY	2%	1%	REGULATORY FLOOD
RETURN PERIOD	50-YEAR (Q50)	100-YEAR (Q100)	N/A
DESIGN DISCHARGE	95 CFS	115 CFS	N/A
DESIGN HIGH WATER ELEVATION	206.1 FEET	206.5 FEET	N/A
HEADWATER/DEPTH	0.7	0.84	N/A
ANTICIPATED ADDITIONAL BACKWATER (Q100) = 0.0 FEET			

**LEGEND**

- ASSUMED LAUNCH PIT/RECEIVING PIT FOOTPRINT (20' X 65')
- SITE REVEGETATION

**NOTES**

1. ALL WORK IS PROHIBITED EXCEPT IN ACCORDANCE WITH PERMITS.
2. INLET: N61.383456, W149.515873  
OUTLET: N61.383832, W149.516484
3. CULVERT DEPTH OF COVER UNDER ROADWAY AND PATHWAY VARIES FROM 2.7' TO 11.8'. PROVIDE LAYER OF GEOTEXTILE WHERE COVER IS LESS THAN 3'.
4. WILLOW STAKING SHALL BE CONSTRUCTED PER THE "STREAMBANK REVEGETATION AND PROTECTION-A GUIDE FOR ALASKA" DESIGN GUIDELINES DATED 2005.



**PRELIMINARY**

 <b>PIH</b> 9/4/2024	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  <b>GLENN HWY:          AIRPORT HEIGHTS TO PARKS HWY          REHABILITATION</b>  <b>MP 18.9 PARKS CREEK          PLAN AND PROFILE</b>
PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 ANCHORAGE, AK 99503 (907) 346-2373 CERT. OF AUTH. NO. AECL 1102	

DRAWING LOCATION: Z:\PROJECTS\005777 GLENN HWY AIRPORT HTS TO PARKS\DWGS\C\ SHEETS\18\HWY00545\_HH E20-E21 UNNAMED AND PARKS CREEKS - PLAN.DWG  
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 TIME: 12:41 PM  
 SCALE: 1" = 20'  
 DESIGNED BY: SJC  
 CHECKED BY: CAD  
 DRAFTED BY: CAD

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	E22	E26



### HYDROLOGY AND HYDRAULICS SUMMARY

DRAINAGE AREA = 1.8 SQUARE MILES

EXCEEDANCE PROBABILITY	1%	0.5%	REGULATORY FLOOD
RETURN PERIOD	100-YEAR (Q100)	200-YEAR (Q200)	N/A
DESIGN DISCHARGE	143 C.F.S.	169 C.F.S.	N/A
DESIGN HIGH WATER ELEVATION	316.6 FEET	318.3 FEET	N/A
HEADWATER/DEPTH	1.4	1.8	N/A

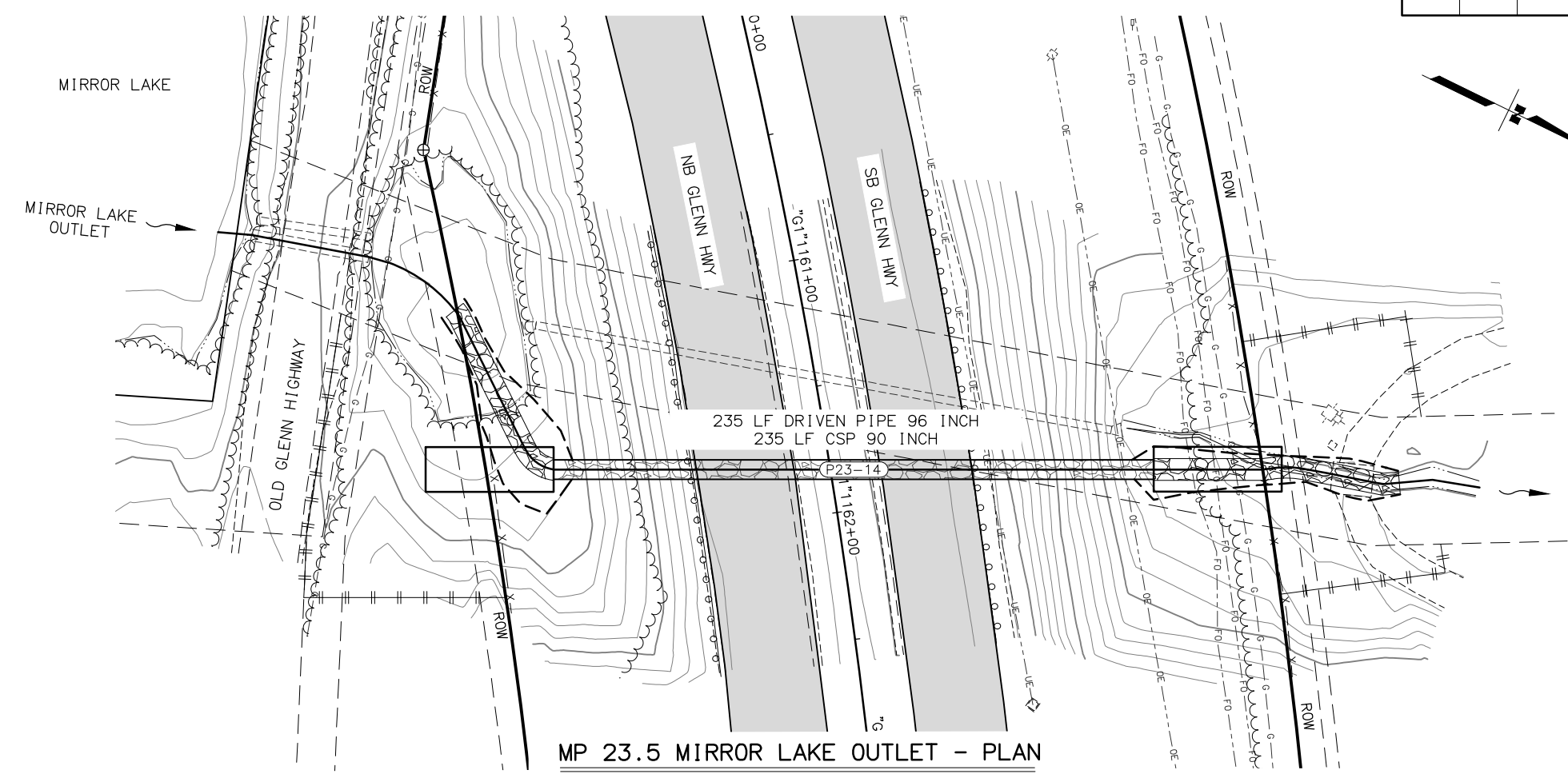
ANTICIPATED ADDITIONAL BACKWATER (Q100) = 0.0 FEET

### LEGEND

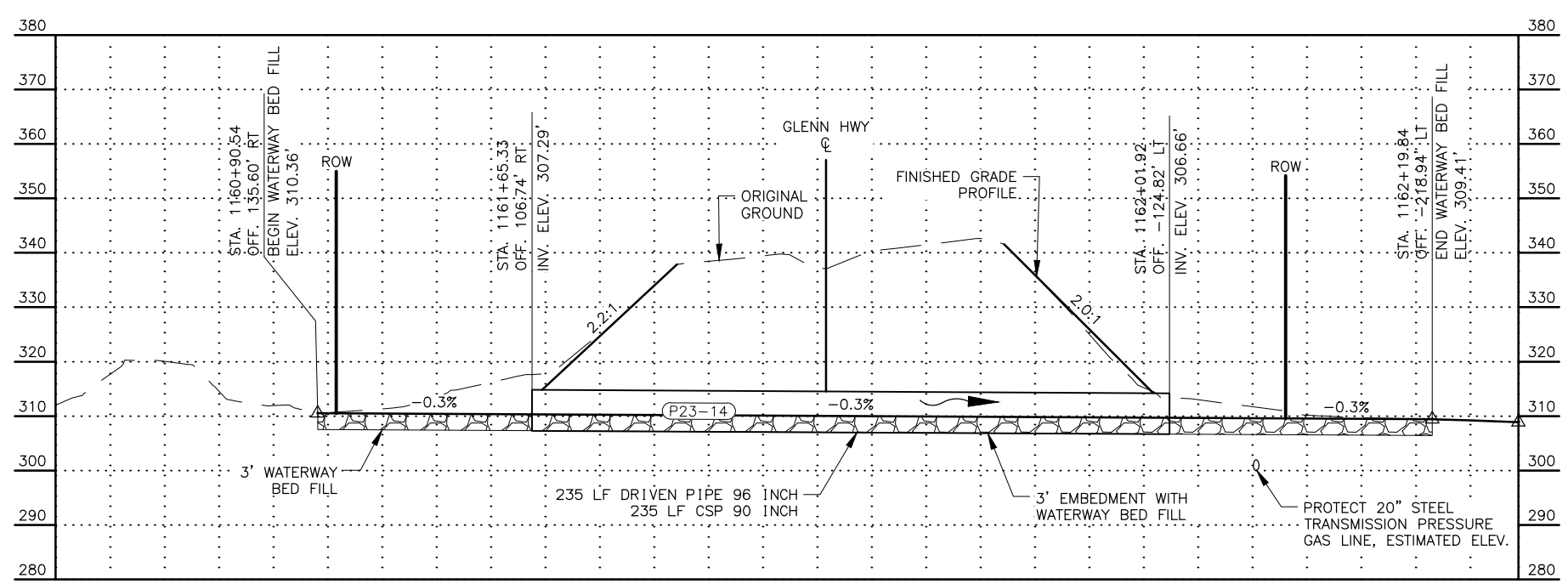
-  ASSUMED LAUNCH PIT/RECEIVING PIT FOOTPRINT (20' X 65')
-  SITE REVEGETATION

### NOTES

1. ALL WORK IS PROHIBITED EXCEPT IN ACCORDANCE WITH PERMITS.
2. INLET: N61.428541, W149.416946  
OUTLET: N61.429066, W149.417724
3. CULVERT DEPTH OF COVER VARIES FROM 23.2' TO 29.2'.
4. WILLOW STAKING SHALL BE CONSTRUCTED PER THE "STREAMBANK REVEGETATION AND PROTECTION-A GUIDE FOR ALASKA" DESIGN GUIDELINES DATED 2005.




MP 23.5 MIRROR LAKE OUTLET - PLAN



MP 23.5 MIRROR LAKE OUTLET - PROFILE

**PRELIMINARY**



9/4/2024

PLANS DEVELOPED BY:  
KINNEY ENGINEERING, LLC  
3909 Arctic Blvd, Suite 400  
ANCHORAGE, AK 99503  
(907) 346-2373  
CERT. OF AUTH. NO. AECL 1102

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES

**GLENN HWY:  
AIRPORT HEIGHTS TO PARKS HWY  
REHABILITATION**

**MP 23.5 MIRROR LAKE OUTLET  
PLAN AND PROFILE**

DRAWING LOCATION: Z:\PROJECTS\0577 GLENN HWY AIRPORT HTS TO PARKS\DWGS\CSHEETS\H&H\0545\_HH E22-E24 MIRROR AND EDWARDS\_PHP.DWG  
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 DESIGNED BY: SJC  
 CHECKED BY: CAD  
 DRAFTED BY: CAD

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	E23	E26



### HYDROLOGY AND HYDRAULICS SUMMARY

DRAINAGE AREA = 1.74 SQUARE MILES

EXCEEDANCE PROBABILITY	1%	0.5%	REGULATORY FLOOD
RETURN PERIOD	100-YEAR (Q100)	200-YEAR (Q200)	N/A
DESIGN DISCHARGE	76 C.F.S.	90 C.F.S.	N/A
DESIGN HIGH WATER ELEVATION	277.0 FEET	277.5 FEET	N/A
HEADWATER/DEPTH	0.9	1.0	N/A

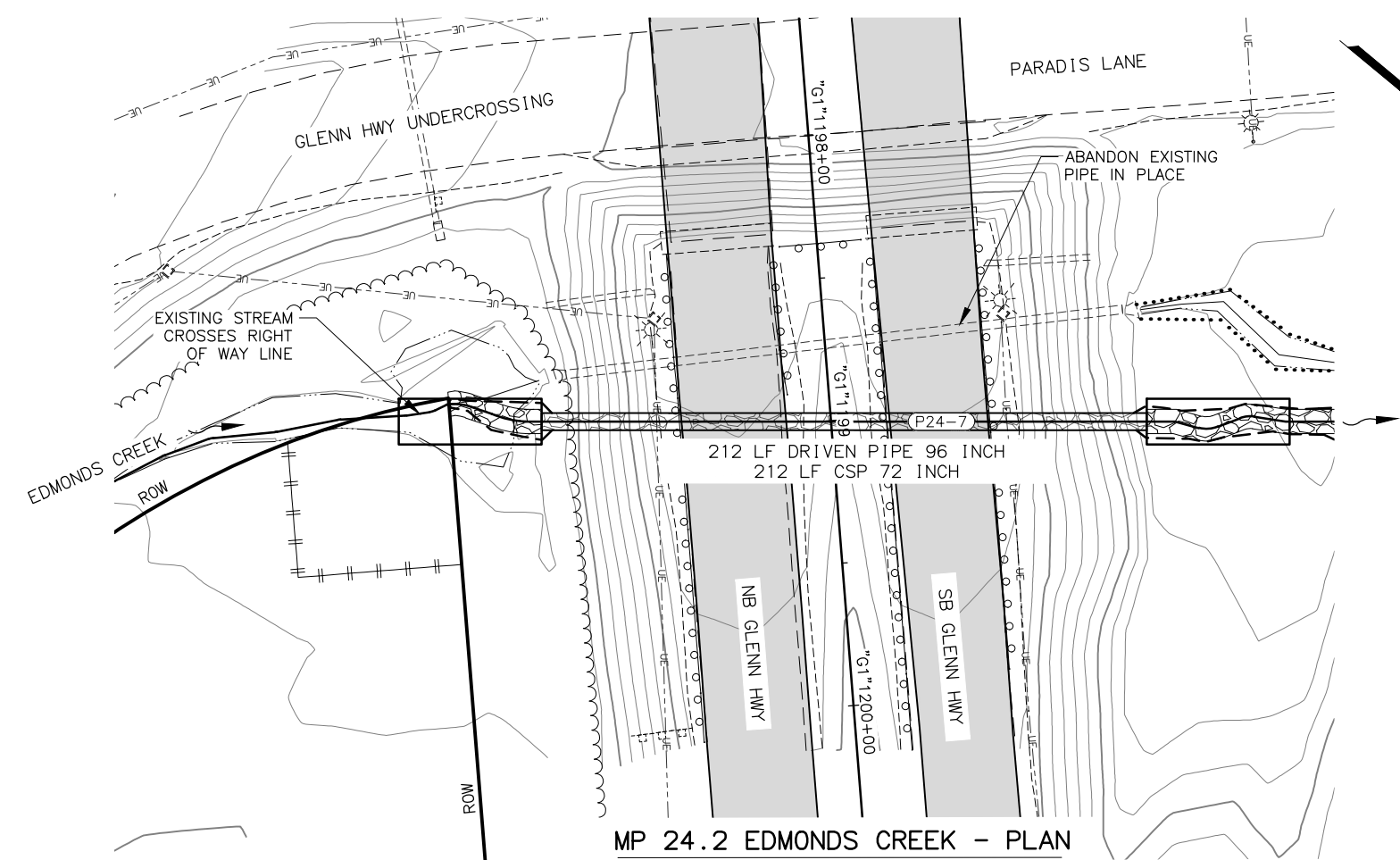
ANTICIPATED ADDITIONAL BACKWATER (Q100) = 0.0 FEET

### LEGEND

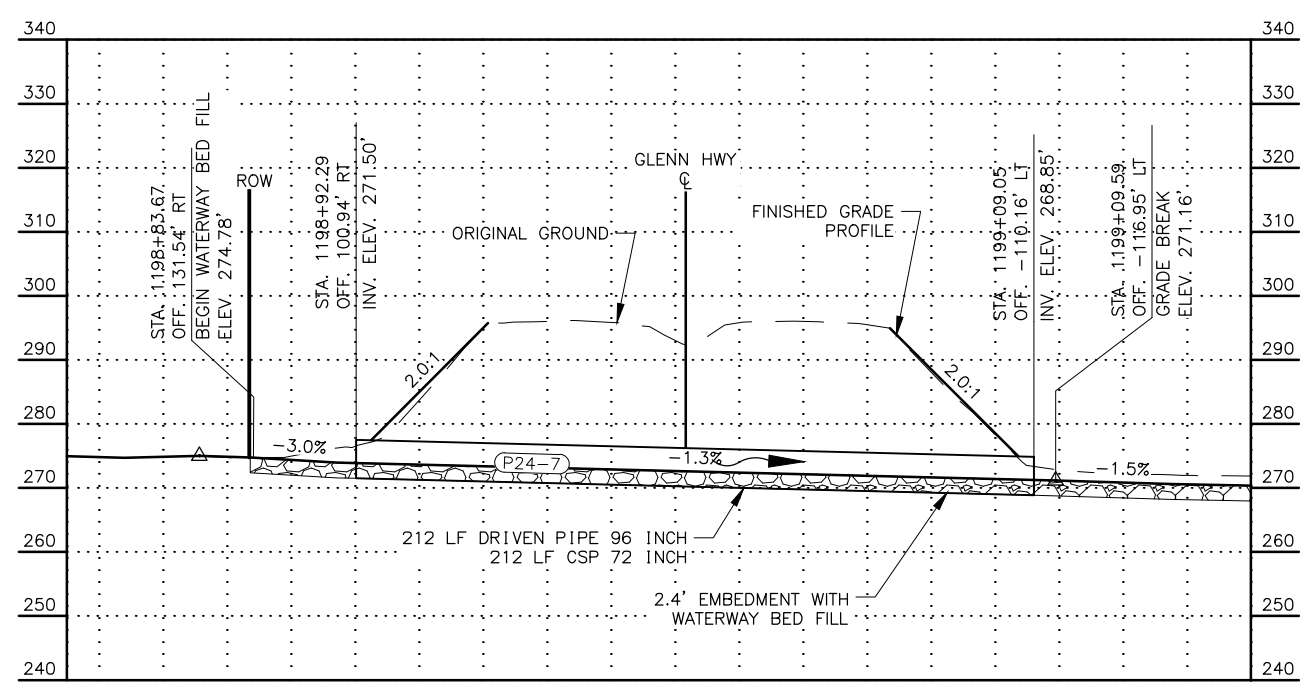
-  ASSUMED LAUNCH PIT/RECEIVING PIT FOOTPRINT (20' X 65')
-  SITE REVEGETATION

### NOTES

1. ALL WORK IS PROHIBITED EXCEPT IN ACCORDANCE WITH PERMITS.
2. INLET: N61.435272, W149.401002  
OUTLET: N61.435722, W149.401771
3. CULVERT DEPTH OF COVER UNDER ROADWAY VARIES FROM 18.8' TO 20.2'.
4. WILLOW STAKING SHALL BE CONSTRUCTED PER THE "STREAMBANK REVEGETATION AND PROTECTION-A GUIDE FOR ALASKA" DESIGN GUIDELINES DATED 2005.




MP 24.2 EDMONDS CREEK - PLAN



MP 24.2 EDMONDS CREEK - PROFILE

**PRELIMINARY**



9/4/2024

PLANS DEVELOPED BY:  
KINNEY ENGINEERING, LLC  
3909 Arctic Blvd, Suite 400  
ANCHORAGE, AK 99503  
(907) 346-2373  
CERT. OF AUTH. NO. AECL 1102

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES

**GLENN HWY:  
AIRPORT HEIGHTS TO PARKS HWY  
REHABILITATION**

**MP 24.2 EDMONDS CREEK  
1 OF 2 PLAN AND PROFILE**

DRAWING LOCATION: Z:\PROJECTS\057777 GLENN HWY AIRPORT HTS TO PARKS HWY\0545\_HH E22-E24 MIRROR AND EDMONDS\_PMP.DWG  
 DATE: 9/4/2024 12:44 PM  
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



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	E24	E26

### HYDROLOGY AND HYDRAULICS SUMMARY

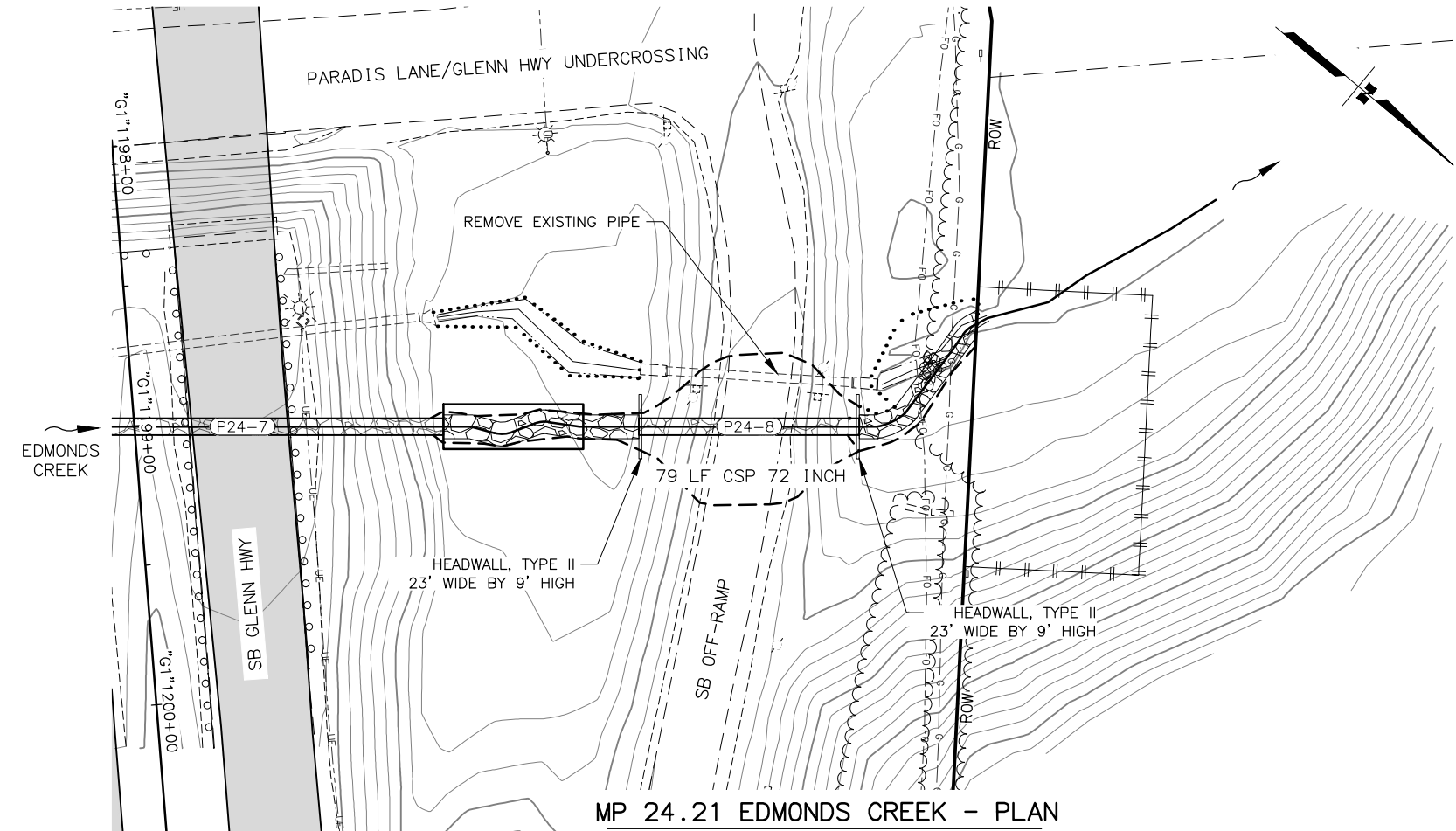
DRAINAGE AREA = 0.74 SQUARE MILES			
EXCEEDANCE PROBABILITY	1%	0.5%	REGULATORY FLOOD
RETURN PERIOD	100-YEAR (Q100)	200-YEAR (Q200)	N/A
DESIGN DISCHARGE	76 C.F.S.	90 C.F.S.	N/A
DESIGN HIGH WATER ELEVATION	273.7 FEET	274.2 FEET	N/A
HEADWATER/DEPTH	0.9	1.0	N/A
ANTICIPATED ADDITIONAL BACKWATER (Q100) = 0.0 FEET			

### LEGEND

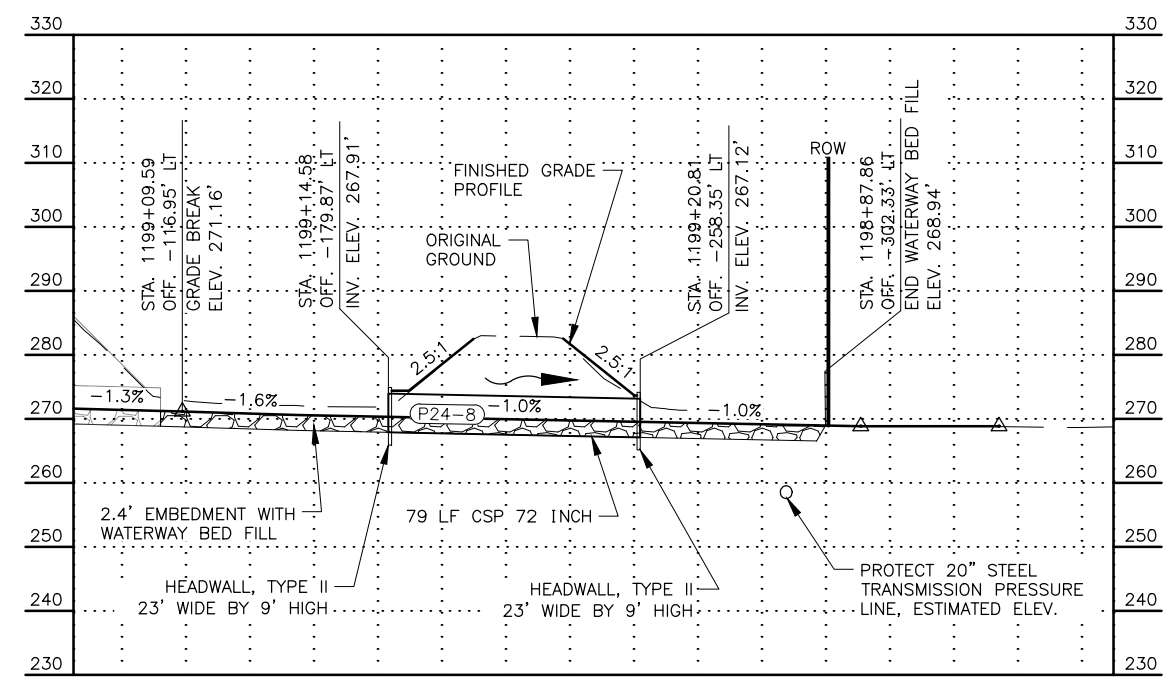
-  ASSUMED LAUNCH PIT/RECEIVING PIT FOOTPRINT (20' X 65')
-  SITE REVEGETATION

### NOTES

1. ALL WORK IS PROHIBITED EXCEPT IN ACCORDANCE WITH PERMITS.
2. INLET: N61.435836, W149.401960  
OUTLET: N61.436091, W149.402390
3. CULVERT DEPTH OF COVER VARIES FROM 9.3' TO 9.4'.
4. WILLOW STAKING SHALL BE CONSTRUCTED PER THE "STREAMBANK REVEGETATION AND PROTECTION-A GUIDE FOR ALASKA" DESIGN GUIDELINES DATED 2005.



MP 24.21 EDMONDS CREEK - PLAN



MP 24.21 EDMONDS CREEK - PROFILE

**PRELIMINARY**

PIH  
9/4/2024

PLANS DEVELOPED BY:  
KINNEY ENGINEERING, LLC  
3909 Arctic Blvd, Suite 400  
ANCHORAGE, AK 99503  
(907) 346-2373  
CERT. OF AUTH. NO. AECL 1102

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES

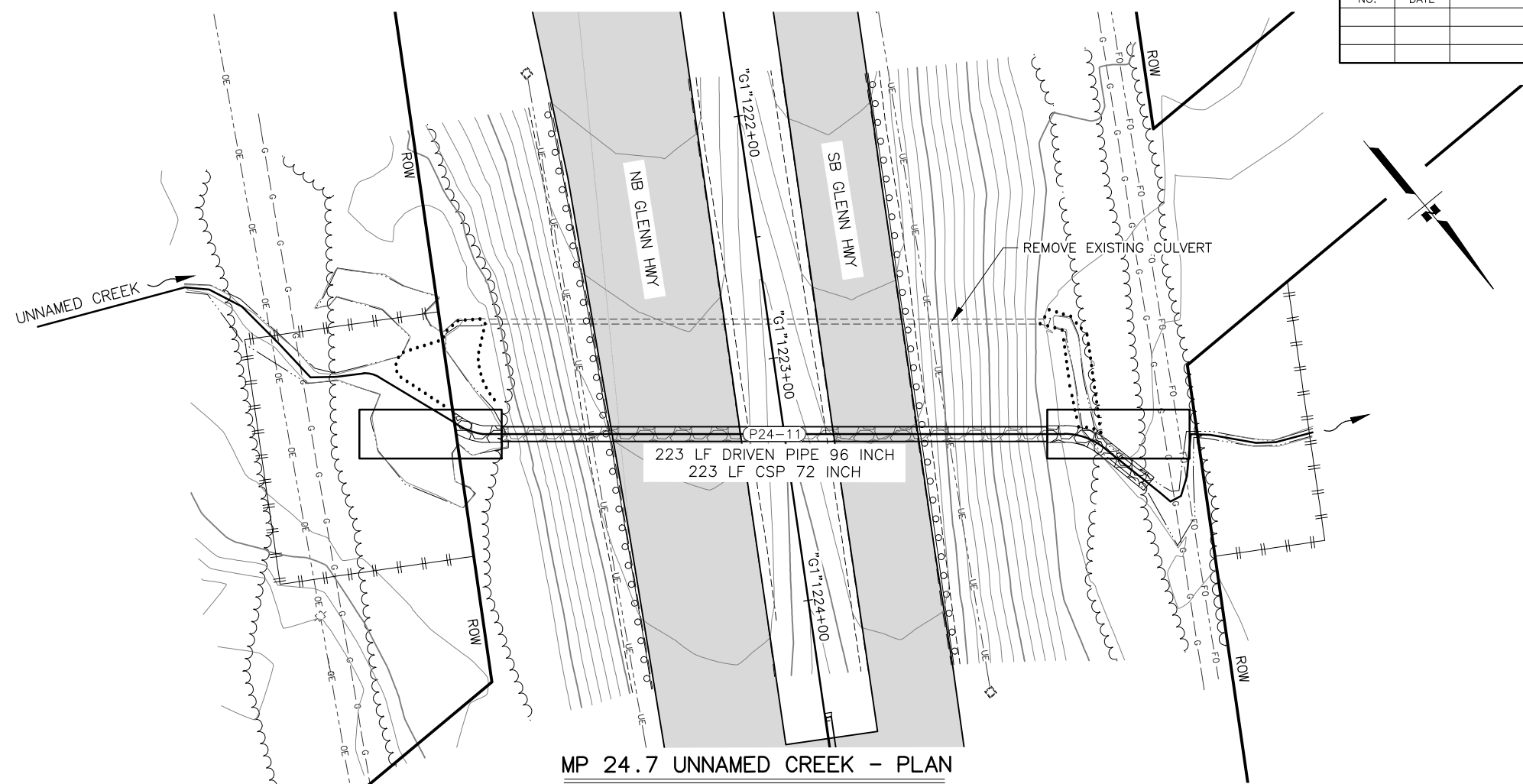
**GLENN HWY:  
AIRPORT HEIGHTS TO PARKS HWY  
REHABILITATION**

MP 24.21 EDMONDS CREEK  
2 OF 2 PLAN AND PROFILE

DRAWING LOCATION: Z:\PROJECTS\0577 GLENN HWY AIRPORT HTS TO PARKS HWY\DWGS\C\ SHEETS\H&H\0545\_HH E22-E24 MIRROR AND EDMONDS\_PHP.DWG  
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 DESIGNED BY: SUG  
 CHECKED BY: CAD  
 DRAFTED BY: CAD

DRAWING LOCATION: Z:\PROJECTS\009777 GLENN HWY AIRPORT HTS TO PARKS\DWGS\C SHEETS\H&H\00545\_HH\_E25 UNNAMED CREEK\_PNP.DWG  
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 DESIGNED BY: SJC  
 CHECKED BY: CAD  
 DRAFTED BY: CAD

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	E25	E26



MP 24.7 UNNAMED CREEK - PLAN

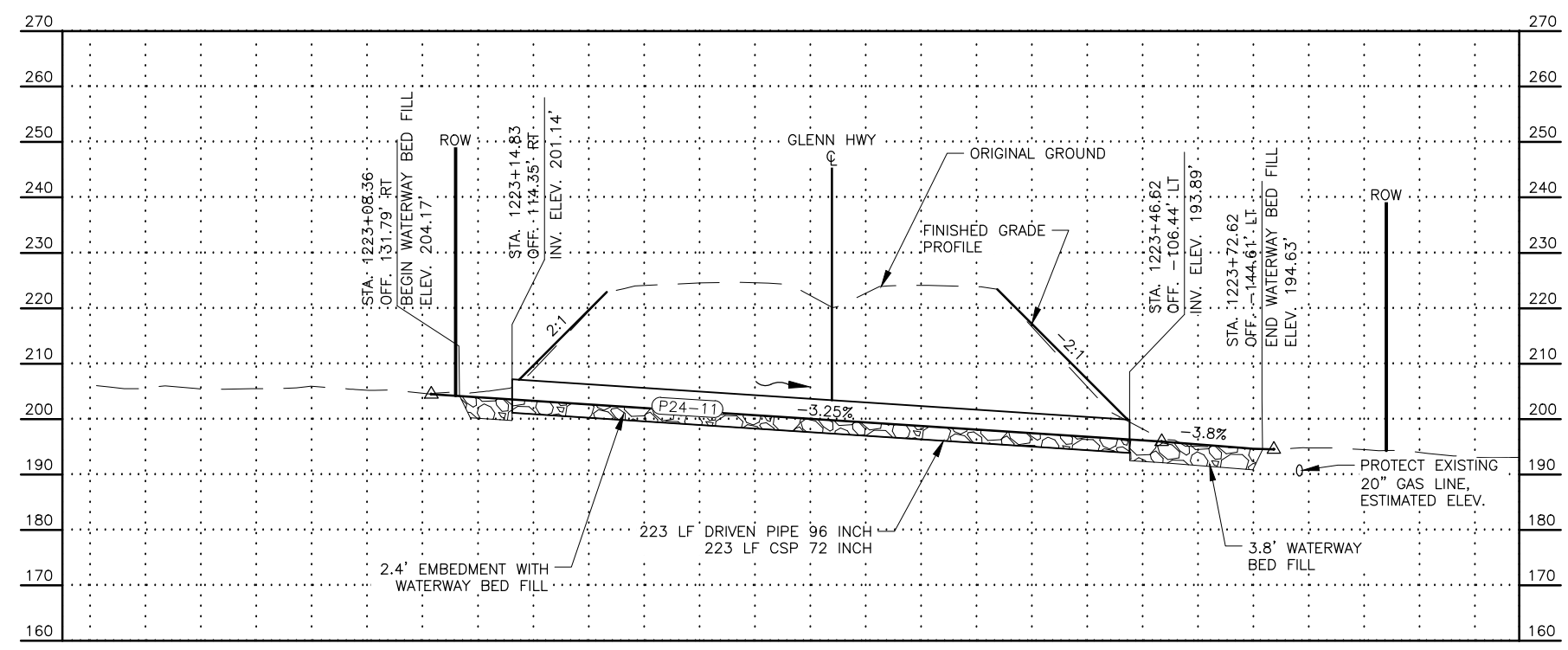
HYDROLOGY AND HYDRAULICS SUMMARY			
DRAINAGE AREA = 0.92 SQUARE MILES			
EXCEEDANCE PROBABILITY	2%	1%	REGULATORY FLOOD
RETURN PERIOD	50-YEAR (Q50)	100-YEAR (Q100)	N/A
DESIGN DISCHARGE	71 CFS	86 CFS	N/A
DESIGN HIGH WATER ELEVATION	206.3 FEET	206.8 FEET	N/A
HEADWATER/DEPTH	0.8	0.9	N/A
ANTICIPATED ADDITIONAL BACKWATER (Q100) = 0.0 FEET			

**LEGEND**

- ASSUMED LAUNCH PIT/RECEIVING PIT FOOTPRINT (20' X 65')
- SITE REVEGETATION

**NOTES**

- ALL WORK IS PROHIBITED EXCEPT IN ACCORDANCE WITH PERMITS.
- INLET: N61.440248, W149.391731  
OUTLET: N61.440642, W149.392709
- CULVERT DEPTH OF COVER VARIES FROM 18.3' TO 21.9'.
- WILLOW STAKING SHALL BE CONSTRUCTED PER THE "STREAMBANK REVEGETATION AND PROTECTION-A GUIDE FOR ALASKA" DESIGN GUIDELINES DATED 2005.



MP 24.7 UNNAMED CREEK - PROFILE

**PRELIMINARY**

**PIH**

9/4/2024

PLANS DEVELOPED BY:  
KINNEY ENGINEERING, LLC  
3909 Arctic Blvd, Suite 400  
ANCHORAGE, AK 99503  
(907) 346-2373  
CERT. OF AUTH. NO. AECL 1102

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES

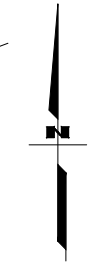
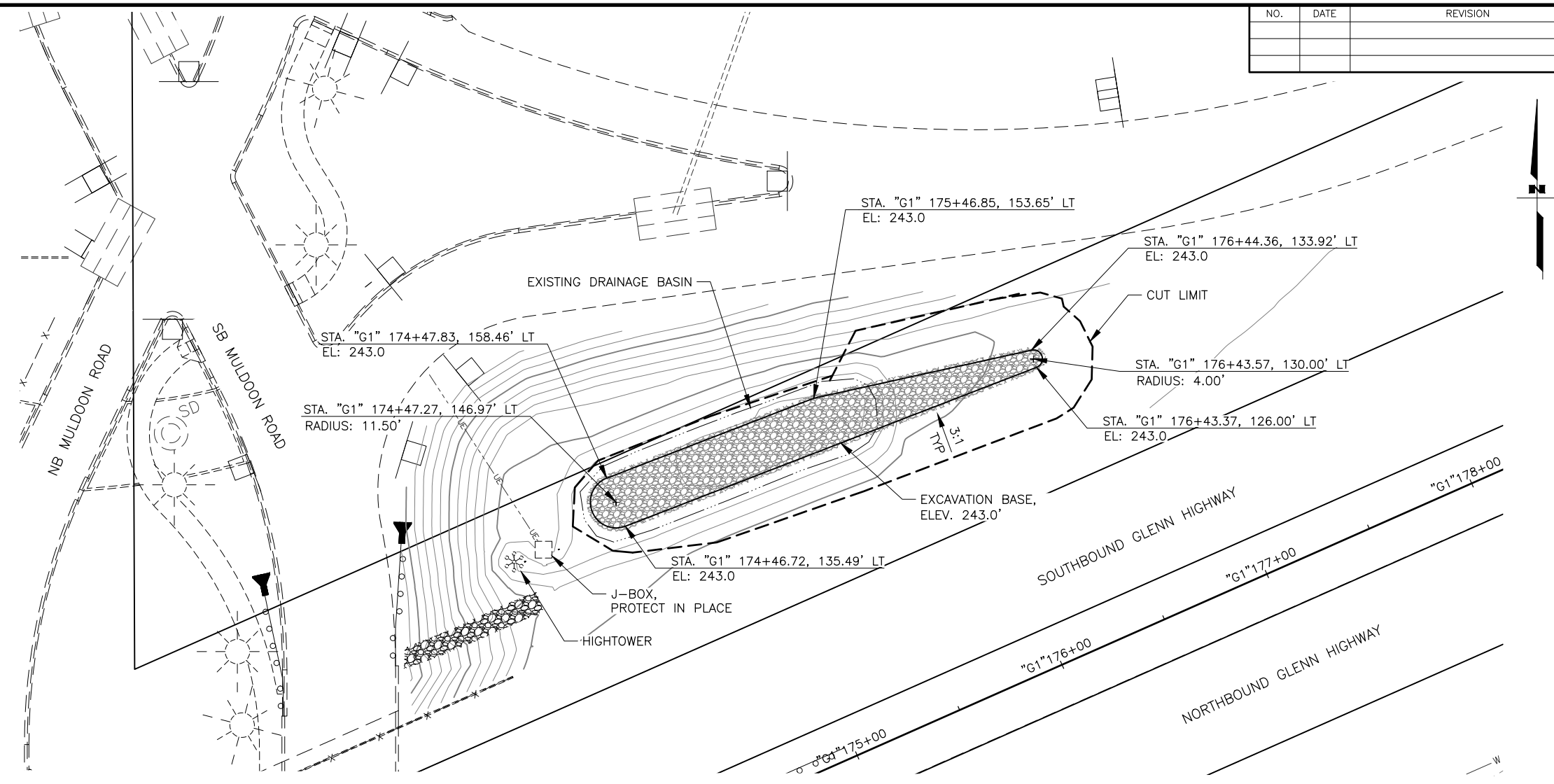
**GLENN HWY:  
AIRPORT HEIGHTS TO PARKS HWY  
REHABILITATION**

**MP 24.7 UNNAMED CREEK  
PLAN AND PROFILE**



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001656/CFHWY00545 <del>0A16056/CFHWY01033</del>	2024	E26	E26

Z:\PROJECTS\005777 GLENN HWY AIRPORT HTS TO PARKS\DWGS\C\SHEETS\H&H\00545\_HH E26 MULDOON BASIN\_PNP.DWG  
 DRAWING LOCATION  
 DATE 8/29/2024 6:22 PM  
 TIME 6:22 PM  
 SCALE 1" = 20'  
 DESIGNED BY  
 CHECKED BY  
 DRAFTED BY



**NOTES**  
 1. ALL WORK IS PROHIBITED EXCEPT IN ACCORDANCE WITH PERMITS.

**PRELIMINARY**

 <b>PIH</b> 8/29/2024	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
	<b>GLENN HWY:          AIRPORT HEIGHTS TO PARKS HWY          REHABILITATION</b>  <b>MULDOON DRAINAGE BASIN          PLAN</b>
PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 Arctic Blvd, Suite 400 ANCHORAGE, AK 99503 (907) 346-2373 CERT. OF AUTH. NO. AECL 1102	