

DESIGNED BY
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SCALE
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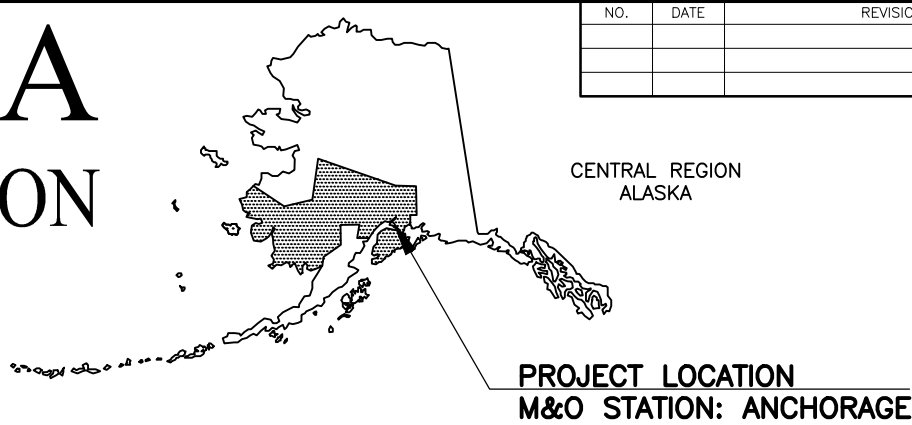
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4/10/2025

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DRAWING LOCATION
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STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001662/CFHWY00586	2025	A1	52
			ROUTE ID	N/A	MILEPOINT	N/A	
			LATITUDE	61.224167°	LONGITUDE	-149.057222°	

PROPOSED HIGHWAY PROJECT

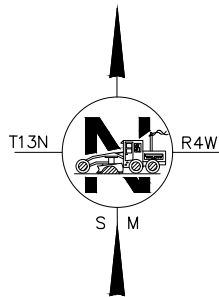
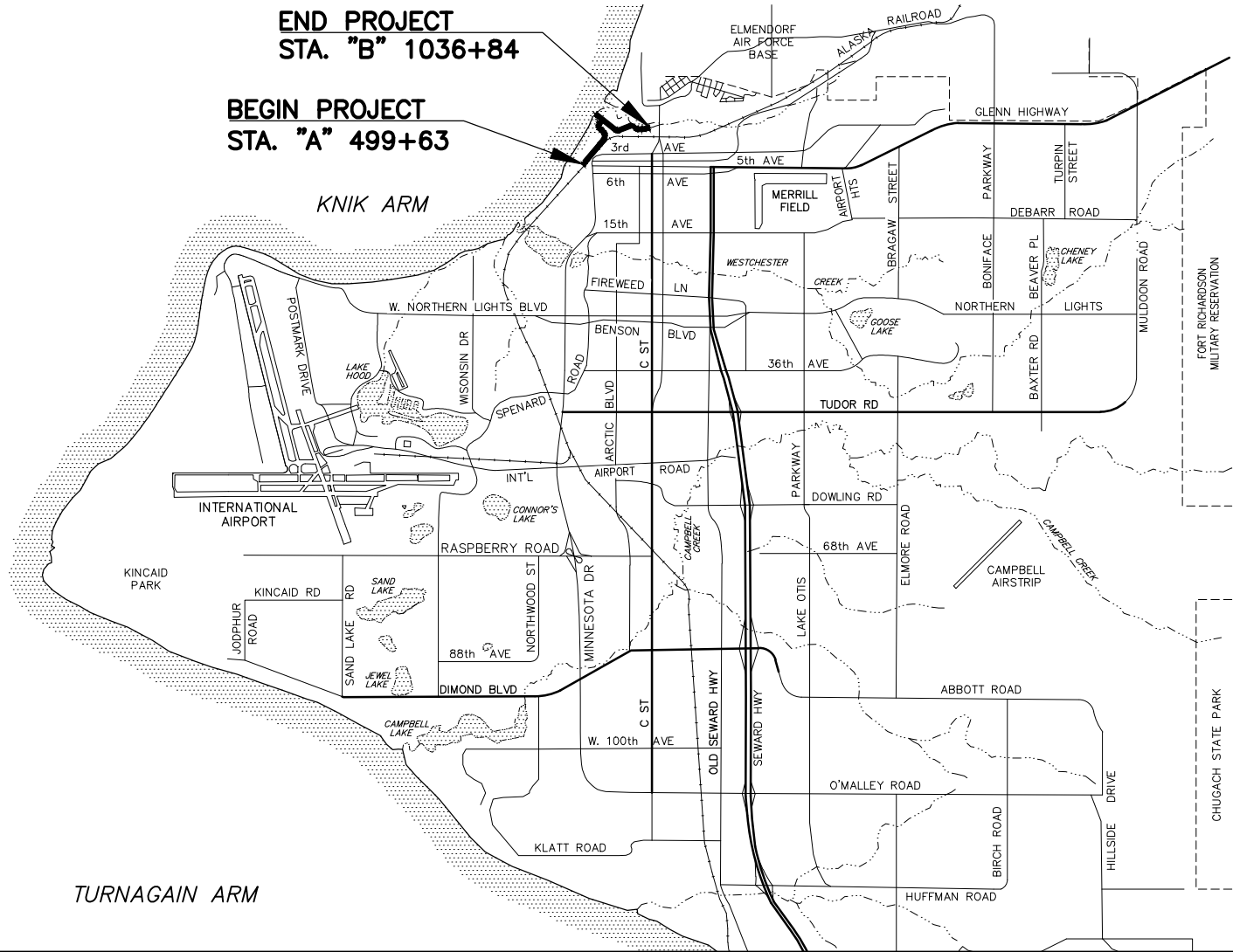
AMATS: DOWNTOWN TRAIL CONNECTION

PROJECT NO. 0001662/CFHWY00586

GRADING, DRAINAGE, PAVING, ILLUMINATION, SIGNING, AND STRIPING

PROJECT SUMMARY		
PATHWAY	WIDTH	LENGTH
TONY KNOWLES COASTAL TRAIL	11 FT	0.60 MILES
SHIP CREEK TRAIL	11 FT	0.69 MILES

DESIGN DESIGNATIONS	
	ROADWAY NAME
FUNCTIONAL CLASS	PATHWAY
AADT (EXISTING YEAR)	N/A
AADT (DESIGN YEAR)	N/A
DESIGN SPEED (V) (MPH)	20
DHV (EXISTING YEAR)	N/A
DHV (DESIGN YEAR)	N/A
T-PERCENT COMMERCIAL TRUCKS (%)	N/A
D-DIRECTIONAL DISTRIBUTION (%)	N/A



PS&E
SUBMITTAL
04/09/2025

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

APPROVED:

REGIONAL PRECONSTRUCTION ENGINEER DATE

CONCUR:

REGIONAL CONSTRUCTION ENGINEER DATE

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SCALE
1" = 1'

DATE
4/10/2025 3:01 PM

TIME

4/10/2025 3:01 PM

DRAWING LOCATION
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GENERAL NOTES:

1. ALL CONSTRUCTION SHALL BE CONTAINED WITHIN THE RIGHT-OF-WAY. TEMPORARY CONSTRUCTION EASEMENTS, AND TEMPORARY CONSTRUCTION PERMITS. NO EXCESS MATERIAL SHALL BE DISPOSED OF WITHIN THE RIGHT-OF-WAY, UNLESS SPECIFICALLY CALLED FOR IN THE PLANS OR DIRECTED BY THE ENGINEER.
2. THE RIGHT-OF-WAY LINES SHOWN WERE CREATED FOR THIS PROJECT BY R&M CONSULTANTS AND ARE BASED ON RECORDED DOCUMENTS AND/OR PLATTED SUBDIVISIONS, AND SURVEYED MONUMENTS. THE RIGHT-OF-WAY LINES WERE INSERTED USING A COMMON COORDINATE SYSTEM.
3. ALL PAVEMENT CUTS SHALL BE MADE WITH A SAW OR ALTERNATE METHOD APPROVED BY THE ENGINEER.
4. DO NOT CLEAR BEYOND THE SLOPE STAKE CATCH POINT UNLESS OTHERWISE SHOWN ON THE PLANS.
5. PLACE 4" TOPSOIL AND SEED (ABOVE MHT ELEVATION) OR FILTER ROCK (BELOW MHT ELEVATION) ON ANY AREAS DISTURBED BY CONSTRUCTION AND NOT OTHERWISE STABILIZED, AND AS DIRECTED BY THE ENGINEER.
6. 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.

7. CULVERT NOTES:
- 7.1. USE CORRUGATED ALUMINUM PIPE FOR ALL CULVERTS. CULVERTS SHALL BE AT LEAST A GAGE LOWER (THICKER PIPE) THAN MINIMUMS ON STD. PLAN D-04.22.
- 7.2. TYPICAL NEW CULVERT INSTALLATIONS WILL USE TYPE "B" INSTALLATION PER STD. PLAN D-01.02. PLACE CULVERTS ON TOP OF OF GEOTEXTILE MATERIAL WHERE INCLUDED IN TYPICAL SECTIONS.
- 7.3. PIPE BEDDING IS SUBSIDIARY TO CULVERT PAY ITEMS.
- 7.4. FOR CULVERT EXTENSIONS, REPLACE DAMAGED CULVERT ENDS AS NEEDED. QUANTITIES AND TABLES ASSUME 5' OF REPLACEMENT PER PIPE. CULVERT REMOVAL IS SUBSIDIARY TO PIPE INSTALLATION.
- 7.5. CULVERTS THAT OUTLET IN PROPOSED 2:1 EMBANKMENTS SHOULD OUTLET WITH ADJACENT RIPRAP BETWEEN THE BOTTOM OF PIPE AND THE SPRING LINE.

TABLE OF ABBREVIATIONS

AC	ACRE
ADA	AMERICANS WITH DISABILITIES ACT
AMP	AMPERE
ASP	ALASKA STANDARD PLANS
AVG	AVERAGE
BFE	BASE FLOOD ELEVATION
BOP	BEGINNING OF PROJECT
CCT	CORRELATED COLOR TEMPERATURE
CKT BKR.	CIRCUIT BREAKER
CRI	COLOR RENDERING INDEX
DY	DOUBLE YELLOW STRIPE
E	EAST / EASTING
EA	EACH
ELEV	ELEVATION
EOP	END OF PROJECT
FC	FOOT-CANDLEFT FEET
IES	ILLUMINATING ENGINEERING SOCIETY
IN	INCH
K	K-VALUE
KVA	KILOVOLT AMPERE
LB	POUND
LF	LINEAR FOOT
LED	LIGHT-EMITTING DIODE
LT	LEFT
MAX	MAXIMUM
ME	MATCH EXISTING
MHT	MEAN HIGH TIDE
MIN	MINIMUM
MOA	MUNICIPALITY OF ANCHORAGE
N	NORTH / NORTHING
NO	NUMBER
PC	POINT OF CURVATURE
PE	PHOTOELECTRIC
PI	POINT OF INTERSECTION
PRC	POINT OF REVERSE CURVE
PT	PONT OF TANGENCY
REQ'D	REQUIRED
ROW	RIGHT OF WAY
RT	RIGHT
S	SOUTH
STA	STATION
SY	SQUARE YARD
TYP	TYPICAL
UL	UNDERWRITER LABORATORIES
VC	VERTICAL CURVE
VPI	VERTICAL POINT OF INTERSECTION
W	WEST, WHITE STRIPE

INDEX	
SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2	INDEX & GENERAL NOTES
A3	SHEET LAYOUT
A4	LINE & CURVE TABLES
A5	LEGEND
A6	SURVEY CONTROL SHEET(S) (PENDING)
B1-B3	TYPICAL SECTIONS
C1	ESTIMATE OF QUANTITIES
D1-D3	SUMMARY TABLES
E1-E6	DETAIL SHEETS
F1-F15	PLAN & PROFILE SHEETS
H1-H5	ILLUMINATION, SIGNALIZATION, SIGNING, AND STRIPING PLANS
H6-H8	ELECTRICAL DETAIL SHEETS
H9-H10	SIGN SUMMARIES
L1-L5	LANDSCAPING SHEETS
M1-M3	CONCRETE FLOOD STRUCTURE

THE FOLLOWING CENTRAL REGION STANDARD DETAILS APPLY TO THIS PROJECT:

NONE

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:

D-01.02, D-04.22, D-06.10, D-09.00, D-20.05, D-22.01, D-23.01, D-26.04, F-01.04, I-25.01, S-05.02, S-30.05

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.

PS&E
Submittal
4/10/25

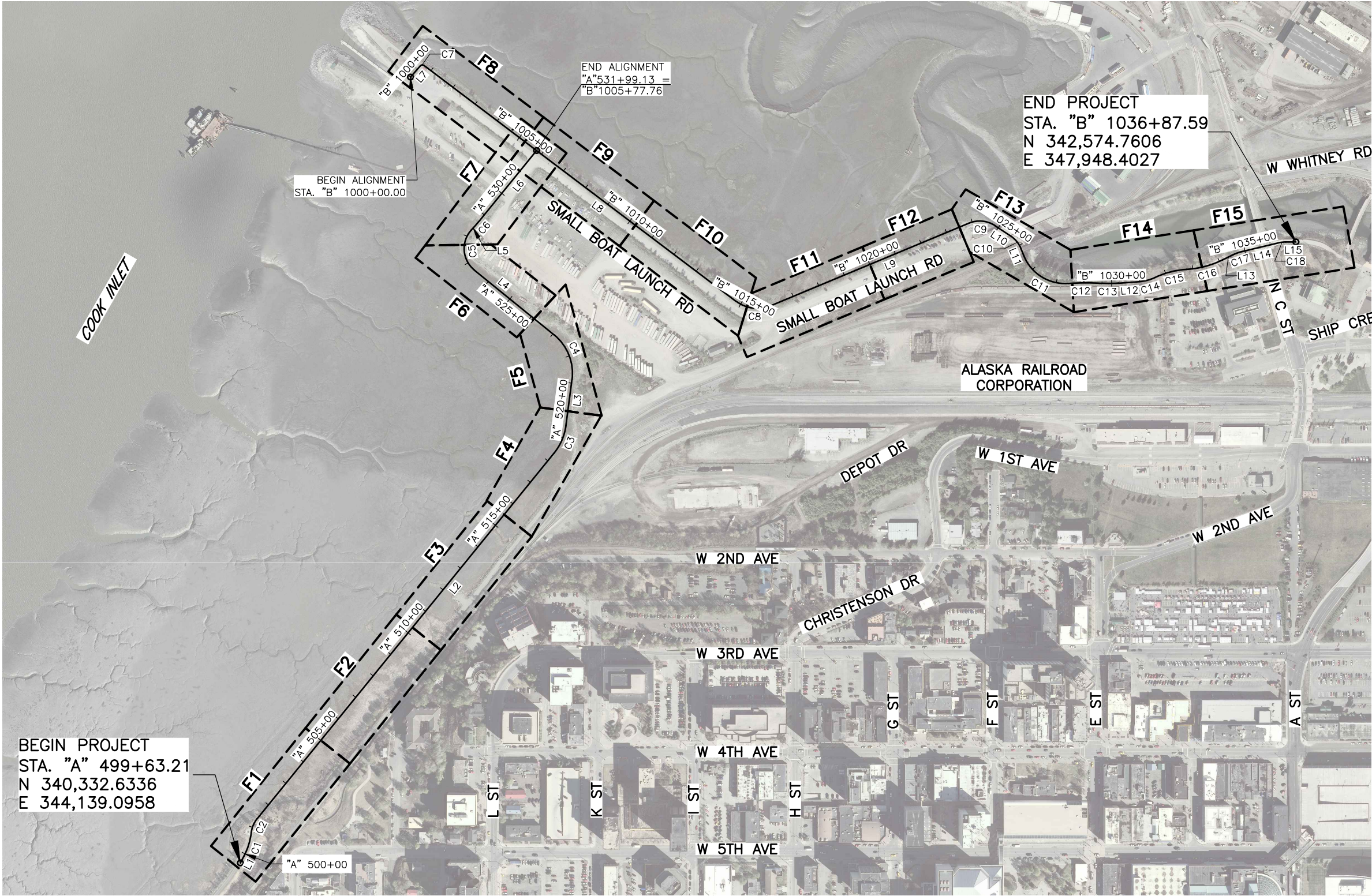
PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC
3909 Arctic Blvd, Suite 400
ANCHORAGE, AK 99503
(907) 346-2373
CERT. OF AUTH. NO. AECL 1102

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

AMATS: DOWNTOWN
TRAIL CONNECTION

INDEX & GENERAL
NOTES

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001662/CFHWY00586	2025	A3	A6



SHEET LAYOUT

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AMATS: DOWNTOWN
TRAIL CONNECTION

SHEET LAYOUT

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001662/CFHWY00586	2025	A4	A6

ALIGNMENT A – LINE TABLE						
LINE ID	START STATION	START COORDINATE	END STATION	END COORDINATE	BEARING	DISTANCE
L1	"A" 499+63.21	N: 340,332.6336, E: 344,139.0958	"A" 499+90.36	N: 340,332.6336 E: 344,151.6763	N27°36'32.56"E	27.15'
L2	"A" 501+35.75	N: 340,492.4279, E: 344,199.8300	"A" 518+35.40	N: 340,492.4279 E: 345,270.9056	N39°03'47.24"E	1699.64'
L3	"A" 519+45.46	N: 341,911.9323, E: 345,313.8885	"A" 521+11.45	N: 341,911.9323 E: 345,335.6531	N07°32'03.08"E	165.99'
L4	"A" 522+95.06	N: 342,239.8067, E: 345,270.6983	"A" 526+65.18	N: 342,239.8067 E: 344,983.4176	N50°54'44.99"W	370.12'
L5	"A" 528+27.60	N: 342,617.8912, E: 344,972.3256	"A" 528+49.21	N: 342,617.8912 E: 344,986.8280	N42°08'49.06"E	21.61'
L6	"A" 528+75.86	N: 342,654.1349, E: 345,004.1712	"A" 531+99.13	N: 342,654.1349 E: 345,208.0254	N39°05'38.38"E	323.27'

ALIGNMENT A – CURVE TABLE						
CURVE ID	PI STATION	PI COORDINATE	Δ	TANGENT	LENGTH	RADIUS
C1	"A" 500+35.63	N: 340,396.8069, E: 344,172.6577	020°31'46"	45.27	89.58'	250.00'
C2	"A" 501+08.59	N: 340,470.1756, E: 344,181.7698	031°59'00"	28.66	55.82'	100.00'
C3	"A" 518+91.86	N: 341,855.9594, E: 345,306.4855	031°31'44"	56.46	110.06'	200.00'
C4	"A" 522+12.14	N: 342,176.3179, E: 345,348.8560	058°26'48"	100.69	183.62'	180.00'
C5	"A" 527+70.67	N: 342,539.6800, E: 344,901.5398	093°03'34"	105.49	162.42'	100.00'
C6	"A" 528+62.54	N: 342,643.7938, E: 344,995.7690	003°03'11"	13.32	26.64'	500.00'

ALIGNMENT B – LINE TABLE						
LINE ID	START STATION	START COORDINATE	END STATION	END COORDINATE	BEARING	DISTANCE
L7	"B" 1000+00.00	N: 343,170.2822, E: 344,753.1003	"B" 1000+53.67	N: 343,170.2822 E: 344,788.4091	N41°08'26.45"E	53.67'
L8	"B" 1000+68.67	N: 343,212.0964, E: 344,801.9717	"B" 1014+81.35	N: 343,212.0964 E: 345,928.7476	S52°54'10.61"E	1412.68'
L9	"B" 1016+11.61	N: 342,344.3223, E: 346,052.1999	"B" 1023+87.83	N: 342,344.3223 E: 346,768.7636	N67°23'25.08"E	776.22'
L10	"B" 1024+85.63	N: 342,633.8866, E: 346,862.2946	"B" 1025+53.32	N: 342,633.8866 E: 346,918.7843	S56°34'26.50"E	67.68'
L11	"B" 1026+13.46	N: 342,550.7878, E: 346,956.3417	"B" 1026+42.01	N: 342,550.7878 E: 346,967.0900	S22°06'52.09"E	28.55'
L12	"B" 1030+25.41	N: 342,425.9335, E: 347,309.0001	"B" 1031+02.01	N: 342,425.9335 E: 347,385.3915	N85°45'35.39"E	76.60'
L13	"B" 1034+12.20	N: 342,509.7147, E: 347,683.4927	"B" 1034+54.64	N: 342,509.7147 E: 347,721.5423	N63°43'00.35"E	42.44'
L14	"B" 1034+89.53	N: 342,540.3207, E: 347,754.2978	"B" 1036+27.35	N: 342,540.3207 E: 347,888.3682	N76°36'56.21"E	137.81'
L15	"B" 1036+51.19	N: 342,574.9371, E: 347,912.0013	"B" 1036+87.59	N: 342,574.9371 E: 347,948.4027	S89°43'20.10"E	36.40'

ALIGNMENT B – CURVE TABLE						
CURVE ID	PI STATION	PI COORDINATE	Δ	TANGENT	LENGTH	RADIUS
C7	"B" 1000+62.99	N: 343,217.7167 E: 344,794.5395	085°57'23"	9.32	15.00'	10.00'
C8	"B" 1015+53.09	N: 342,316.7406 E: 345,985.9708	059°42'24"	71.74	130.26'	125.00'
C9	"B" 1024+41.04	N: 342,663.1983 E: 346,817.8849	056°02'08"	53.21	97.80'	100.00'
C10	"B" 1025+84.33	N: 342,579.5185 E: 346,944.6669	034°27'34"	31.01	60.14'	100.00'
C11	"B" 1027+58.21	N: 342,416.6837 E: 347,010.8352	071°58'44"	116.20	201.00'	160.00'
C12	"B" 1029+03.74	N: 342,429.3136 E: 347,187.3133	007°38'09"	60.73	121.28'	910.00'
C13	"B" 1029+94.90	N: 342,423.6703 E: 347,278.4751	007°46'57"	30.61	61.12'	450.00'
C14	"B" 1031+30.58	N: 342,433.7089 E: 347,413.8744	021°33'39"	28.56	56.45'	150.00'
C15	"B" 1032+18.52	N: 342,472.2794 E: 347,493.6574	022°38'26"	60.06	118.55'	300.00'
C16	"B" 1033+45.54	N: 342,479.3691 E: 347,622.0477	023°07'21"	68.53	135.19'	335.00'
C17	"B" 1034+72.16	N: 342,536.2648 E: 347,737.2523	012°53'56"	17.52	34.89'	155.00'
C18	"B" 1036+39.33	N: 342,574.9952 E: 347,900.0221	013°39'44"	11.98	23.84'	100.00'

PS&E
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PLANS DEVELOPED BY:
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STATE OF ALASKA
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AMATS: DOWNTOWN
TRAIL CONNECTION

LINE & CURVE
TABLES

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4/10/2025 1:05 PM

DRAWING LOCATION
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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		
ROADWAY OBLITERATION		
FENCE		
STONE FENCE		
NOISE BARRIER		
RETAINING WALL		
HEADWALL & WINGWALL		
BOTTOM OF DITCH		
SPECIAL DITCH		
FLAT BOTTOM DITCH		
BERM		
GRADE BREAK		
RIPRAP		
BOULDER OR BOULDERS		
PRIVATE SIGN, MAILBOX		
POST, BOLLARD		
BENCH		
TRASH RECEPTACLE		
WAYFINDING POST		

TOPOGRAPHY

	EXISTING	
LAKE OR POND, WETLANDS		
TREE (CONIFER/DECIDUOUS) TREELINE (EDGE OF VEGETATION)		
PLANTER		
BUILDING OR FOUNDATION		

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		
FUEL		
ABANDONED FUEL		

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 MASTARM		
PEDESTRIAN PUSH BUTTON & SIGNAL		
VEHICULAR SIGNAL		
VEHICULAR SIGNAL LEFT & RIGHT		
OPTICAL, CAMERA, RADAR, AND GPS DETECTOR		
LOOP DETECTOR		
COMMUNICATION ANTENNA		
MASTARM BEACON		
RURAL & SCHOOL ZONE BEACON		
LOOP DETECTOR CONDUIT		
SIGNAL CONDUIT		
LIGHTING CONDUIT		
SIGNAL & LIGHTING CONDUIT		
CONDUIT BORING		
CONDUIT SIZE IN INCHES		
INTERCONNECT		
SIGN POST		

PAVEMENT MARKINGS

	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		

PS&E
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LEGEND

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			ALASKA	0001662/CFHWY00586	2025	A6	A6

SURVEY CONTROL
BY OTHERS

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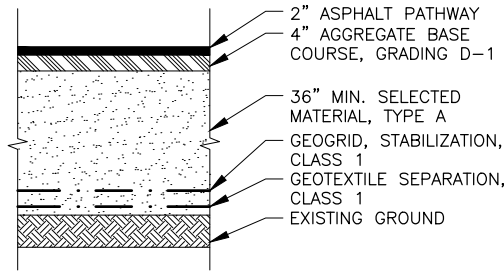
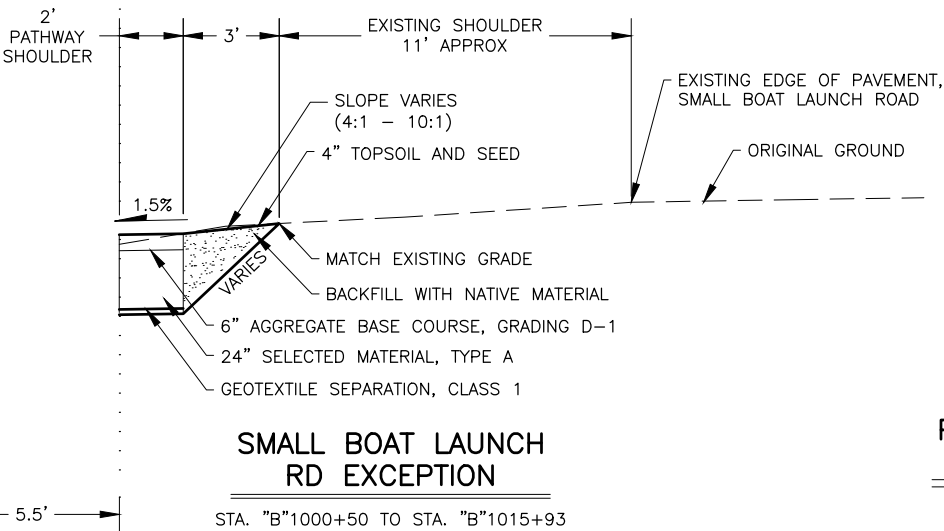
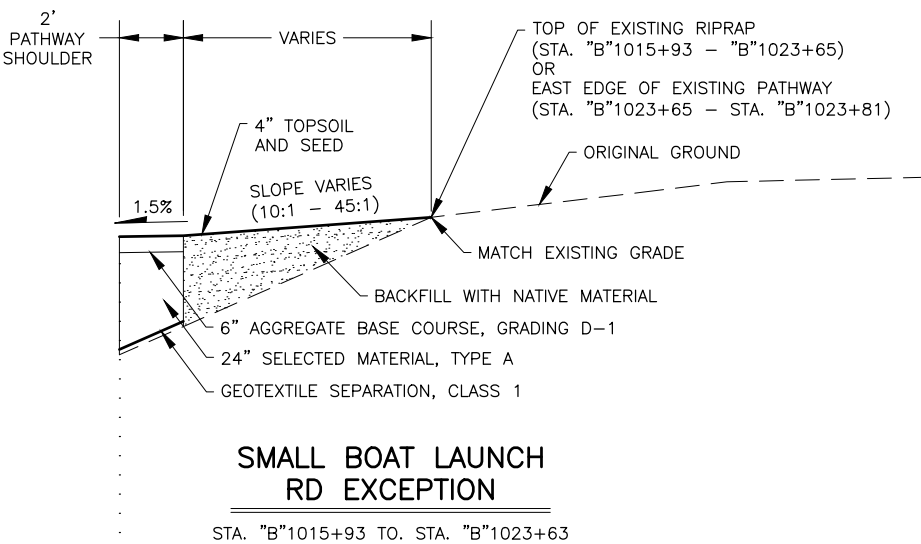
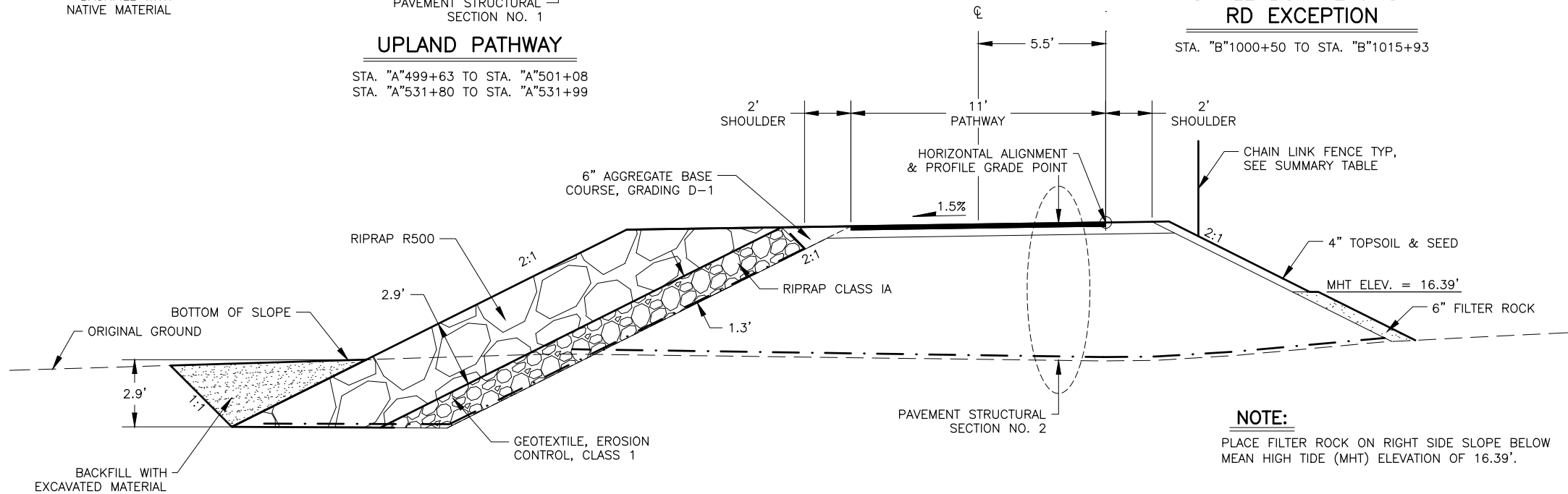
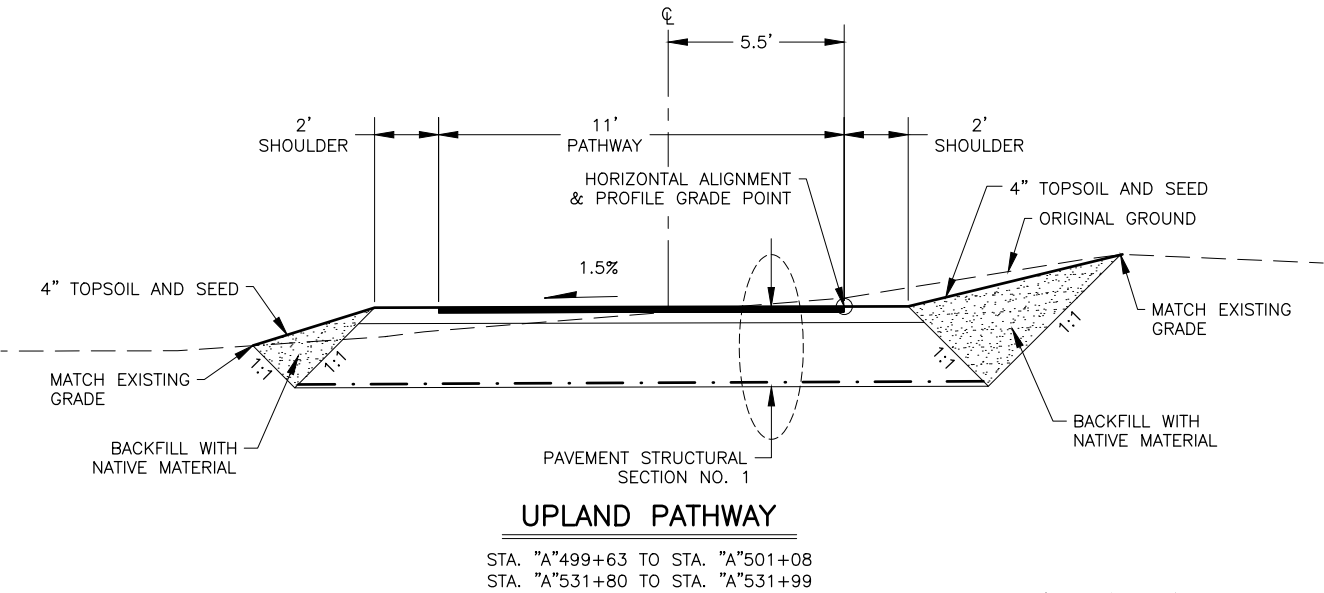
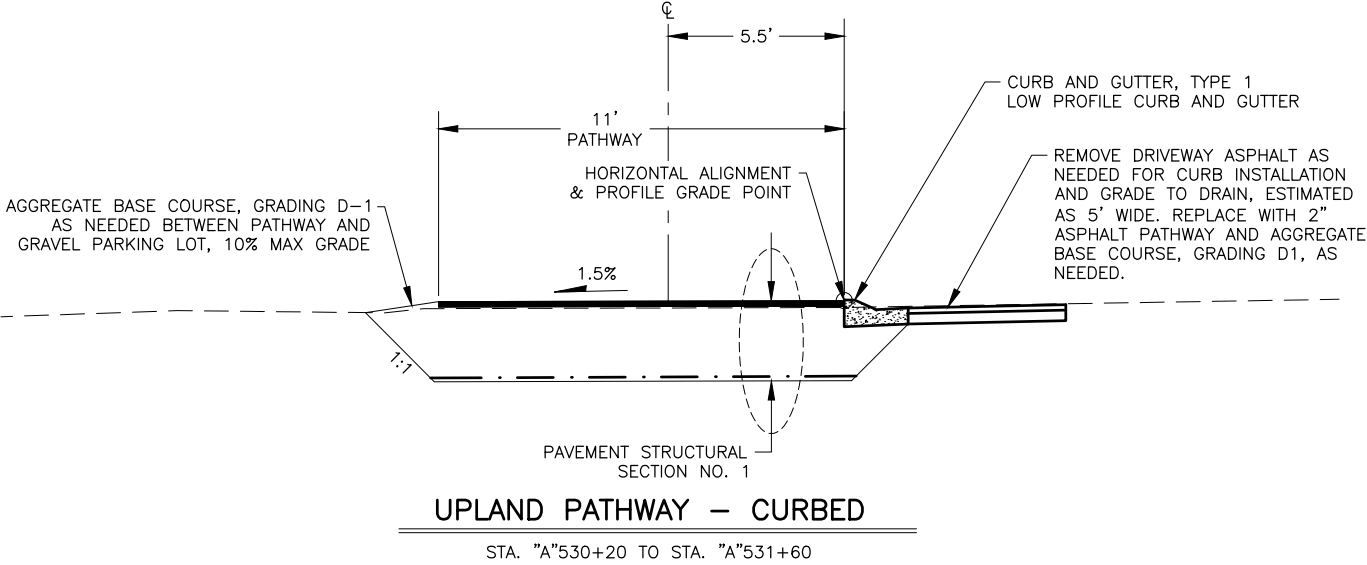
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

AMATS: DOWNTOWN
TRAIL CONNECTION

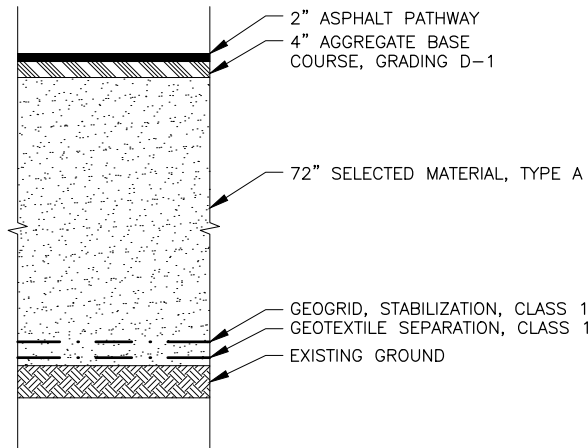
SURVEY CONTROL

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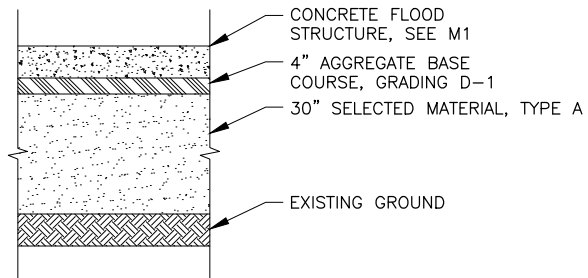
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001662/CFHWY00586	2025	B1	B3



PAVEMENT STRUCTURAL SECTION NO. 1



PAVEMENT STRUCTURAL SECTION NO. 2



PAVEMENT STRUCTURAL SECTION NO. 3

NOTE:
PLACE FILTER ROCK ON RIGHT SIDE SLOPE BELOW MEAN HIGH TIDE (MHT) ELEVATION OF 16.39'.

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4/10/25

PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC
3909 Arctic Blvd, Suite 400
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CERT. OF AUTH. NO. AECL 1102

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

AMATS: DOWNTOWN
TRAIL CONNECTION

TYPICAL SECTIONS

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CHECKED BY
DRAFTED BY

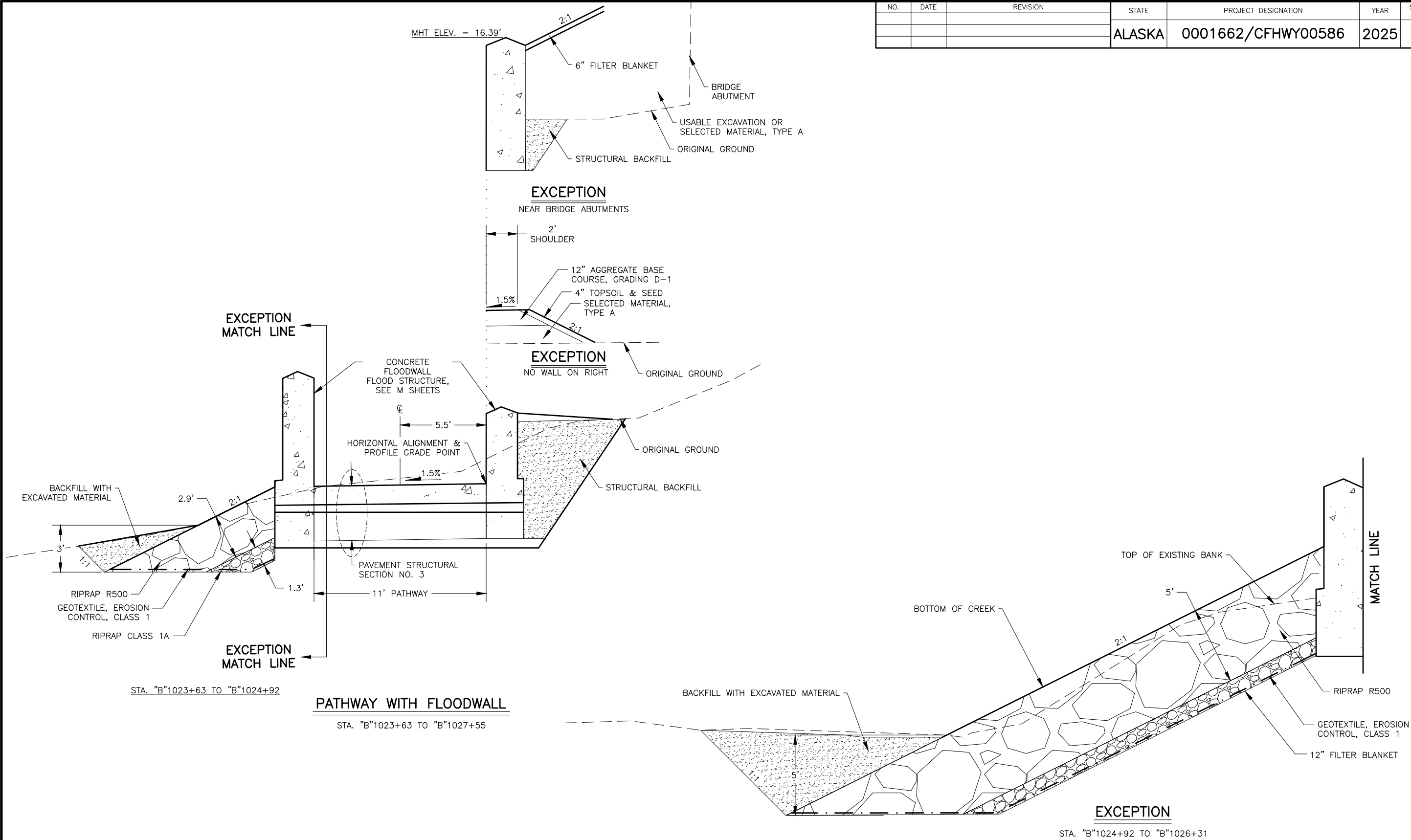
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TIME

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001662/CFHWY00586	2025	B2	B3



NOTES:

PLACE GEOTEXTILE, FILTER BLANKET, AND RIPRAP AROUND EXISTING RAILROAD PIER BETWEEN STATION "B" 1026+01 AND STATION "B" 1026+30, TAKING CARE NOT TO DAMAGE PIER.

PS&E
Submittal
4/10/25

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
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**AMATS: DOWNTOWN
TRAIL CONNECTION**

TYPICAL SECTIONS

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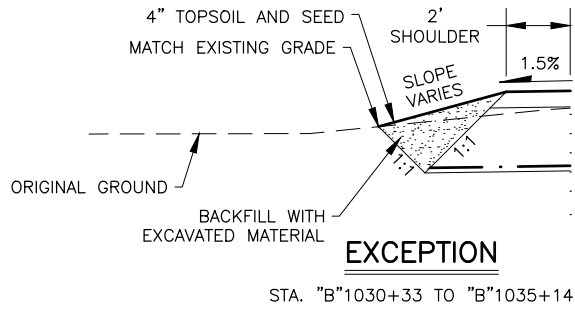
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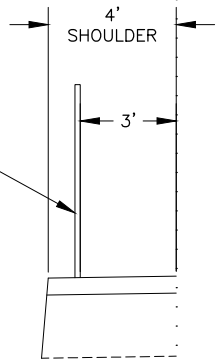
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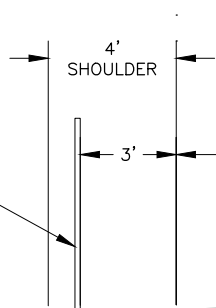
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001662/CFHWY00586	2025	B3	B3



PEDESTRIAN BARRIER
(STA. "B"1027+27 - STA. "B"1030+22)



PEDESTRIAN BARRIER
(STA. "B"1027+27 - STA. "B"1030+22)



EXISTING OR REPLACED FENCE.
SEE SHEETS F13-F14

4" TOPSOIL & SEED

ORIGINAL GROUND

BACKFILL WITH EXCAVATED MATERIAL

PAVEMENT STRUCTURAL
SECTION NO. 1

BACKFILL WITH EXCAVATED MATERIAL

BOTTOM OF CREEK

RIPRAP R500

2:1

5'

FILTER BLANKET

GEOTEXTILE, EROSION
CONTROL, CLASS 1

STA. "B"1027+55 TO "B"1030+33

PATHWAY ALONG SHIP CREEK

STA. "B"1027+47 TO "B"1035+14

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STATE OF ALASKA
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AMATS: DOWNTOWN
TRAIL CONNECTION

TYPICAL SECTIONS

ESTIMATE OF QUANTITIES			
ITEM NO.	ITEM DESCRIPTION	PAY UNIT	TOTAL QUANTITY
201.0003.0000	CLEARING AND GRUBBING	ACRE	3
202.0001.0000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LUMP SUM	ALL REQ'D
202.0002.0000	REMOVAL OF PAVEMENT	SQUARE YARD	544
202.0003.0000	REMOVAL OF SIDEWALK	SQUARE YARD	74
202.2022.0000	REMOVAL OF FENCE	LINEAR FOOT	485
203.0003.0000	UNCLASSIFIED EXCAVATION	CUBIC YARD	32,900
203.0006.0000	BORROW	TON	65,500
206.0001.0000	FILTER BLANKET	CUBIC YARD	588
301.0001.00D1	AGGREGATE BASE COURSE, GRADING D-1	TON	3,800
501.####.####	PEDESTRIAN CONCRETE STRUCTURE, WATERTIGHT	LUMP SUM	ALL REQ'D
603.0009.0018	CORRUGATED ALUMINUM PIPE 18 INCH	LINEAR FOOT	93
603.0009.0024	CORRUGATED ALUMINUM PIPE 24 INCH	LINEAR FOOT	583
603.0009.0030	CORRUGATED ALUMINUM PIPE 30 INCH	LINEAR FOOT	190
603.0009.0036	CORRUGATED ALUMINUM PIPE 36 INCH	LINEAR FOOT	13
603.0009.0042	CORRUGATED ALUMINUM PIPE 42 INCH	LINEAR FOOT	112
603.0011.0018	END SECTION FOR 18 INCH PIPE	EACH	1
604.0004.0000	ADJUST EXISTING MANHOLE	EACH	1
604.0005.000A	INLET, TYPE A	EACH	1
606.2002.0000	STEEL BOLLARD, REMOVABLE	EACH	2
606.2003.0000	WOOD BOLLARD, FIXED	EACH	8
607.0002.0000	WOVEN WIRE FENCE	LINEAR FOOT	241
607.0003.0000	CHAIN LINK FENCE	LINEAR FOOT	3,309
608.0006.0000	CURB RAMP	EACH	2
608.2002.0000	ASPHALT PATHWAY	TON	1,000
608.2017.0000	DETECTABLE WARNING TILE	EACH	4
609.0002.0001	CURB AND GUTTER, TYPE 1	LINEAR FOOT	145
611.0001.001A	RIPRAP, CLASS 1A	CUBIC YARD	5,829
611.0001.0500	RIPRAP, R500	CUBIC YARD	14,734
611.2005.0000	SALVAGE AND REUSE RIPRAP	LUMP SUM	ALL REQ'D
615.0001.0000	STANDARD SIGN	SQUARE FOOT	123.75
615.0006.0000	SALVAGE SIGN	EACH	9
618.0002.0000	SEEDING	POUND	68
620.0001.0000	TOPSOIL	SQUARE YARD	5,549
621.0001.0000	TREE, ASPEN - POPULOUS TREMULOIDES, 1.5" CALIPER	EACH	10
621.0002.0000	SHRUB, ROSA ACICULARIS, #2 CONTAINER	EACH	100
621.2017.0000	SHREDDED BARK MULCH	CUBIC YARD	22
622.2002.0000	BEARPROOF GARBAGE CAN	EACH	2
622.2019.0000	BENCH, WOODEN	EACH	7
622.2023.0000	LANDSCAPE EDGING	LINEAR FOOT	195
622.2025.0000	LANDSCAPE BOULDER	EACH	20
622.####.####	WAYFINDING SIGN POST FOR DIRECTIONAL TOTEM	EACH	4
622.####.####	WAYFINDING SIGN POST FOR MAP KIOSK	EACH	4

ESTIMATE OF QUANTITIES			
ITEM NO.	ITEM DESCRIPTION	PAY UNIT	TOTAL QUANTITY
625.0001.0000	PIPE HAND RAIL	LINEAR FOOT	451
630.0002.0001	GEOTEXTILE, STABILIZATION, CLASS 1	SQUARE YARD	25,900
631.0002.0001	GEOTEXTILE, EROSION CONTROL, CLASS 1	SQUARE YARD	26,400
634.0001.0001	GEOGRID, STABILIZATION, CLASS 1	SQUARE YARD	25,900
634.2001.0000	GEOGRID - UTILITY OVERCROSSING	LUMP SUM	ALL REQ'D
640.0001.0000	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQ'D
641.0001.0000	EROSION, SEDIMENT AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQ'D
641.0005.0000	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL BY DIRECTIVE	CONTINGENT SUM	ALL REQ'D
641.0006.0000	WITHHOLDING	CONTINGENT SUM	ALL REQ'D
641.0007.0000	SWPPP MANAGER	LUMP SUM	ALL REQ'D
642.0001.0000	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQ'D
642.0003.0000	THREE PERSON SURVEY PARTY	HOURL	80
643.0002.0000	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQ'D
643.0003.0000	PERMANENT CONSTRUCTION SIGNS	LUMP SUM	ALL REQ'D
643.0023.0000	TRAFFIC PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQ'D
643.0025.0000	TRAFFIC CONTROL	CONTINGENT SUM	ALL REQ'D
644.0001.0000	FIELD OFFICE	LUMP SUM	ALL REQ'D
644.2004.0000	ENGINEERING COMMUNICATIONS	CONTINGENT SUM	ALL REQ'D
644.2007.0000	VEHICLE (LT/SUV)	EACH	2
645.0001.0000	TRAINING PROGRAM, 1 TRAINEES / APPRENTICES	LABOR HOUR	500
646.0001.0000	CPM SCHEDULING	LUMP SUM	ALL REQ'D
647.2002.0000	BACKHOE, 4WD, 1 CY BUCKET, 75-HP MINIMUM, 15 FT DEPTH	CONTINGENT SUM	ALL REQ'D
660.2002.0000	PEDESTRIAN LIGHTING, UNDER BRIDGES	LUMP SUM	ALL REQ'D
661.0001.0000	LOAD CENTER, TYPE 1	EACH	1
670.0001.0000	PAINTED TRAFFIC MARKINGS	LUMP SUM	ALL REQ'D
682.2000.0000	VAC-TRUCK POTHOLE	CONTINGENT SUM	ALL REQ'D

TABLE OF ESTIMATING FACTORS		
ITEM NO.	ITEM DESCRIPTION	UNIT
203.0006.0000	BORROW	144 LB./C.F.
301.0001.00D1	AGGREGATE BASE COURSE, GRADING D-1	144 LB./C.F.
608.2002.0000	ASPHALT PATHWAY	151 LB./C.F.
618.0002.0000	SEEDING	1.5 LB./MSF

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4/10/25

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CERT. OF AUTH. NO. AECL 1102

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

AMATS: DOWNTOWN
TRAIL CONNECTION

ESTIMATE OF QUANTITIES

DRAWING LOCATION	DATE	SCALE	DESIGNED BY
Z:\PROJECTS\00545-DOWNTOWN TRAIL CONNECTION\DWGS\00586_D1-DX_SUMMARY TABLES.DWG	4/10/2025 2:05 PM	X" = XX'	CHECKED BY
			DRAFTED BY

202.2022.0000 - REMOVAL OF FENCE						
SHEET	BEGIN		END		QUANTITY (LF)	REMARKS
	STATION	OFFSET	STATION	OFFSET		
F13	'B' 1025+94	RT	'B' 1026+47	RT	62	
F13 - F14	'B' 1027+61	RT	'B' 1031+69	RT	423	
				TOTAL :	485	

604.0004.0000 - ADJUST EXISTING MANHOLE				
SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
F1	'A' 501+12	36' RT	1	ELDERBERRY PARK
		TOTAL:	1	

604.0005.000A - INLET, TYPE A				
SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
F7	'A' 528+09	21' RT	1	
		TOTAL:	1	

606.2002.0000 - STEEL BOLLARD, REMOVABLE				
SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
F7	'A' 529+92	5.4' LT	1	
F7	'A' 531+95	6.0' LT	1	
		TOTAL:	2	

202.0003.0000 - REMOVAL OF SIDEWALK				
SHEET	STATION		QUANTITY (SY)	REMARKS
	TO	FROM		
F1	'A' 500+60	'A' 501+10	74	ELDERBERRY PARK
		TOTAL :	74	

STATE OF ALASKA
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**AMATS: DOWNTOWN
TRAIL CONNECTION**

SUMMARY TABLES

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3909 Arctic Blvd, Suite 400
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TIME

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001662/CFHWY00586	2025	D2	D3

606.2003.0000 – WOODEN BOLLARD, FIXED				
SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
F7	'A' 529+92	0.6' RT & 11.4' LT	2	
F7	'A' 530+43	12.8' LT	1	
F7	'A' 530+61	12.9' LT	1	
F7	'A' 531+12	12.8' LT	1	
F7	'A' 531+33	12.6' LT	1	
F7	'A' 531+95	0.0' RT & 12.0' LT	2	
		TOTAL:	8	

607.0003.0000 – CHAIN LINK FENCE						
SHEET	BEGIN		END		QUANTITY (LF)	REMARKS
	STATION	OFFSET	STATION	OFFSET		
F1-F7	'B' 501+37	42.73	'B' 527+49	11.23	2,663	
F13 – F14	'B' 1025+48	13.24	'B' 1031+72	33.01	646	
				TOTAL :	3,309	

608.2017.0000 – DETECTABLE WARNING TILE				
SHEET	STATION	OFFSET	QUANTITY (EA)	REMARKS
F7	'A' 529+98	5.4' LT	1	
F7	'A' 530+37	3.7' LT	1	
F7	'A' 531+44	3.7' LT	1	
F7	'A' 531+87	5.6' LT	1	
		TOTAL:	4	

618.0002.0000 SEEDING & 620.0001.0000 TOPSOIL							
SHEET	BEGIN		END		SEEDING QUANTITY (LB)	TOPSOIL QUANTITY (SY)	REMARKS
	STATION	OFFSET	STATION	OFFSET			
F1	'A' 499+63	RT	'A' 501+11	RT	1.5	117	
F1	'A' 499+63	LT	'A' 501+08	LT	1.8	143	
F1	'A' 500+69	RT	'A' 501+05	RT	0.7	58	
F1 – F7	'A' 501+33	RT	'A' 530+30	RT	27.3	2,256	
F7	'A' 530+49	LT	'A' 531+86	LT	0.1	5	
F7	'A' 530+56	RT	'A' 531+82	RT	0.1	8	
F8-F9	'B' 1000+50	RT	'B' 1005+52	RT	2.3	185	
F9-F15	'B' 1005+67	RT	'B' 1035+17	RT	29.1	2,405	
F14 – F15	'B' 1030+29	LT	'B' 1035+19	LT	4.5	372	
				TOTAL	67.4	5,549	
			PAY ITEM QUANTITY		68	5,549	

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001662/CFHWY00586	2025	D3	D3

630, 631 & 634 PAY ITEMS								
SHEET	BEGIN		END		630.0002.0001 GEOTEXTILE, STABILIZATION, CLASS 1 QUANTITY (SY)	631.0002.0001 GEOTEXTILE, EROSION CONTROL, CLASS 1 QUANTITY (SY)	634.0001.0001 GEOGRID, STABILIZATION, CLASS 1 QUANTITY (SY)	REMARKS
	STATION	OFFSET	STATION	OFFSET				
F1-F7	'A' 469+63	RT/LT	'A' 530+00	RT/LT	15,800		15,800	1 LAYER OF EACH FABRIC
F1-F7	'B' 501+25	LT	'B' 530+00	LT		12000		
F8-F13	'B' 1000+50	RT/LT	'B' 1023+63	RT/LT	7,600		7,600	1 LAYER OF EACH FABRIC
F8-F13	'A' 1000+50	LT	'A' 1024+91	LT		10,600		
F13-F14	'B' 1024+91	LT	'B' 1030+33	LT		3,800		
F13-F15	'B' 1027+55	RT/LT	'B' 1035+15	RT/LT	2,500		2,500	1 LAYER OF EACH FABRIC
				TOTAL	25,900	26,400	25,900	

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4/10/25

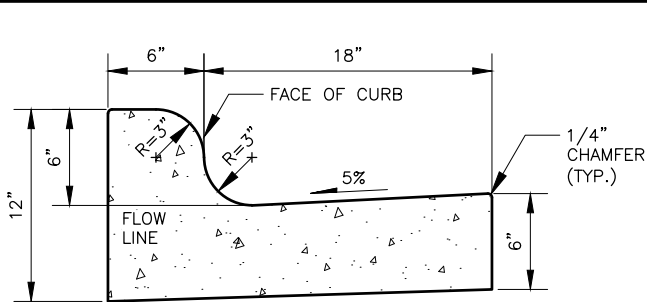
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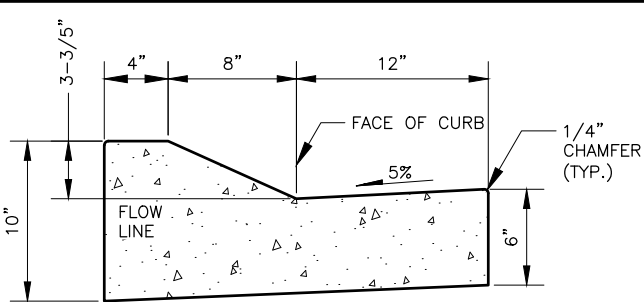
AMATS: DOWNTOWN
TRAIL CONNECTION

SUMMARY TABLES

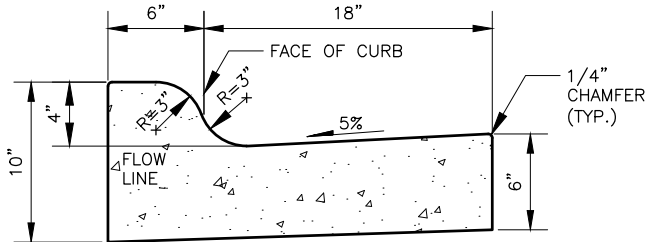
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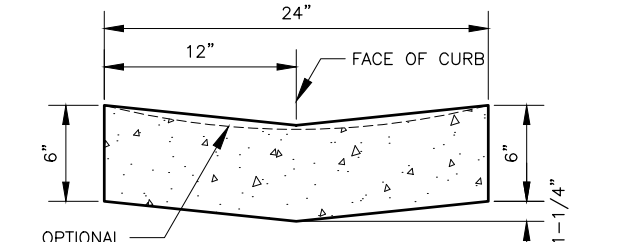
6" MOUNTABLE CURB & GUTTER



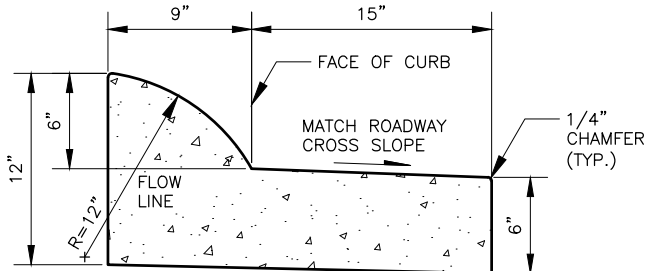
LOW PROFILE CURB & GUTTER



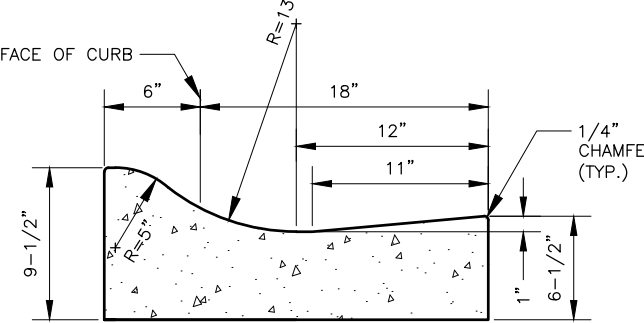
4" MOUNTABLE CURB & GUTTER



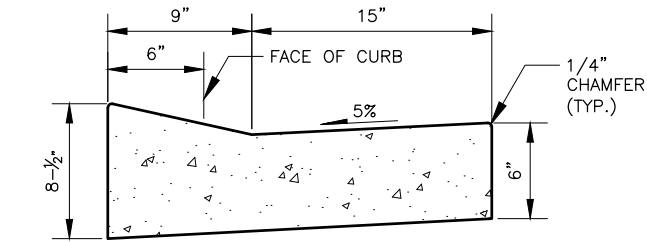
GUTTER



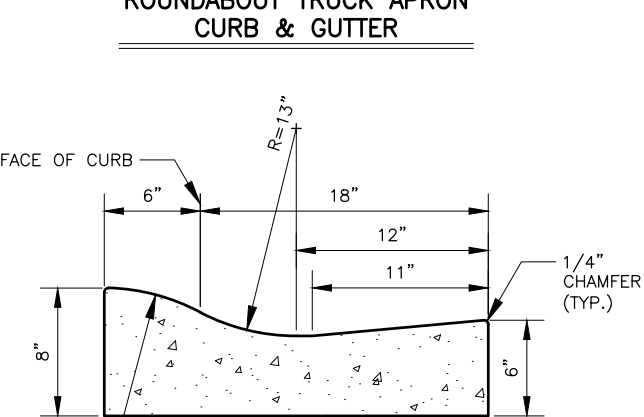
EXPRESSWAY CURB & GUTTER (MEDIAN)



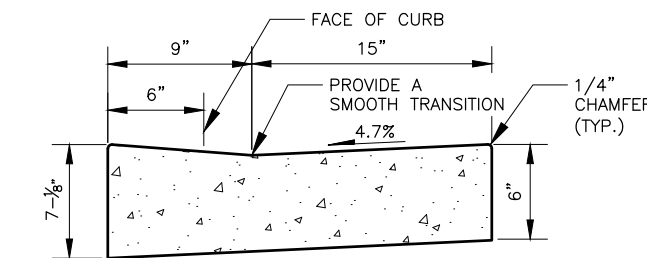
ROUNDABOUT TRUCK APRON CURB & GUTTER



DEPRESSED CURB & GUTTER (CURB CUT)



ROLLED CURB & GUTTER

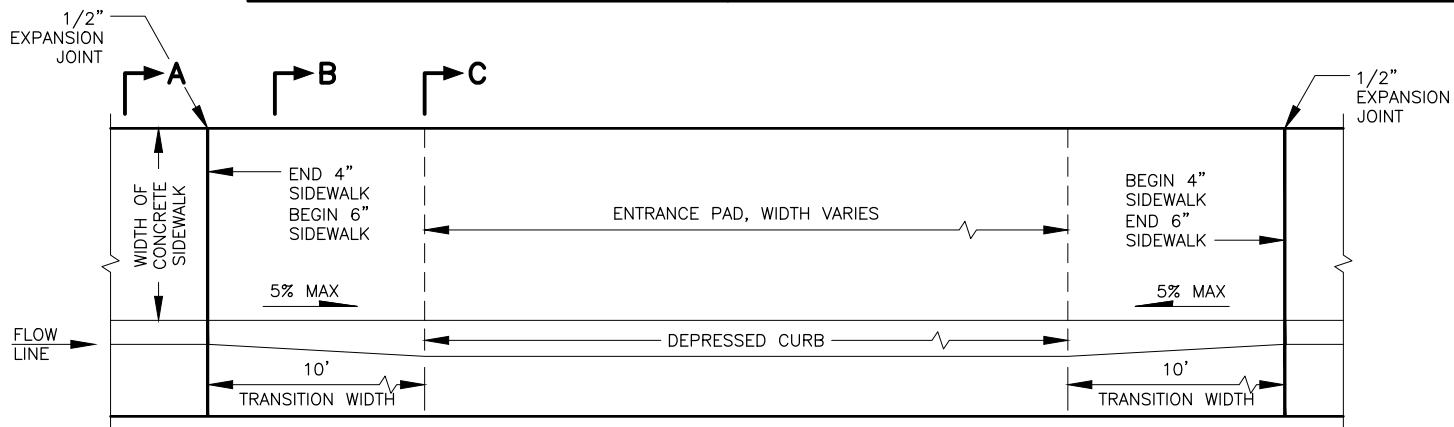


ADA CURB & GUTTER

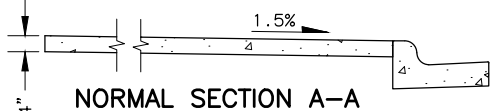
CURBS

CURB NOTES:

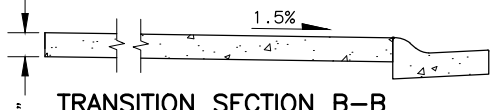
1. MOUNTABLE, DEPRESSED, ROLLED, AND EXPRESSWAY GUTTER PANS SHALL MATCH THE ROADWAY CROSS SLOPE IN THE HIGH SIDE OF SUPER ELEVATED AREAS.
2. USE THE CURB RAMP CURB & GUTTER FOR ALL CURB RAMPS.



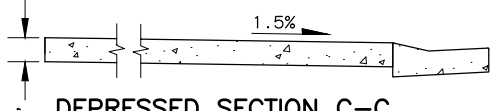
PLAN



NORMAL SECTION A-A

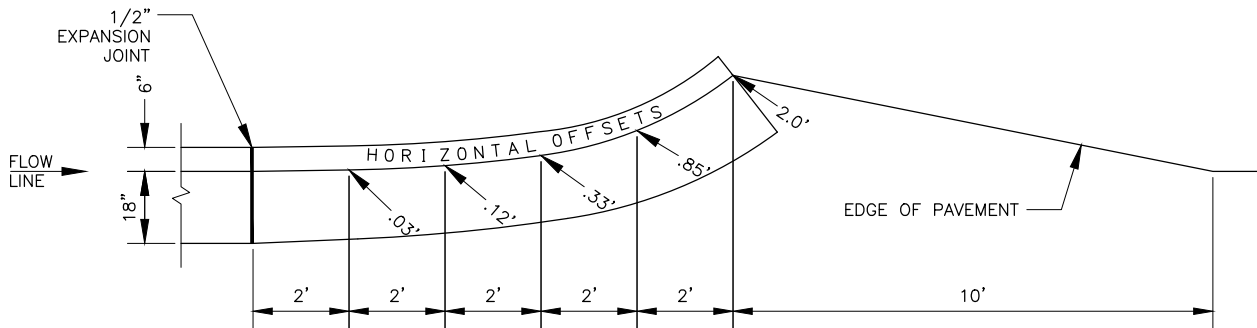


TRANSITION SECTION B-B

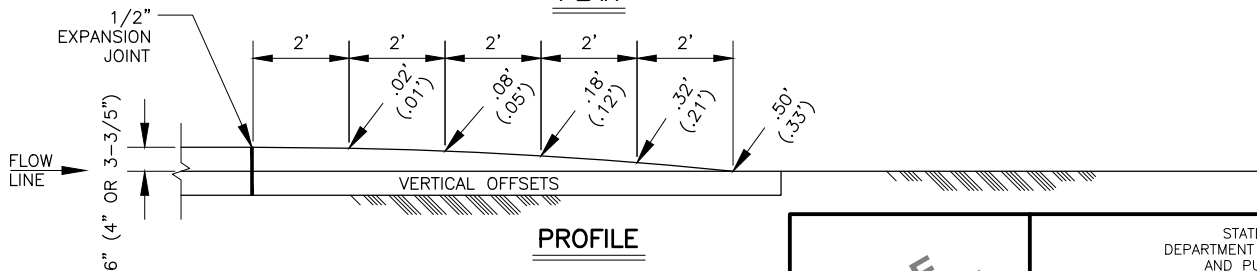


DEPRESSED SECTION C-C

VEHICULAR CURB CUT



PLAN



PROFILE

CURB & GUTTER TERMINATION TRANSITIONS

TERMINATION NOTES:

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

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4/10/25

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

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
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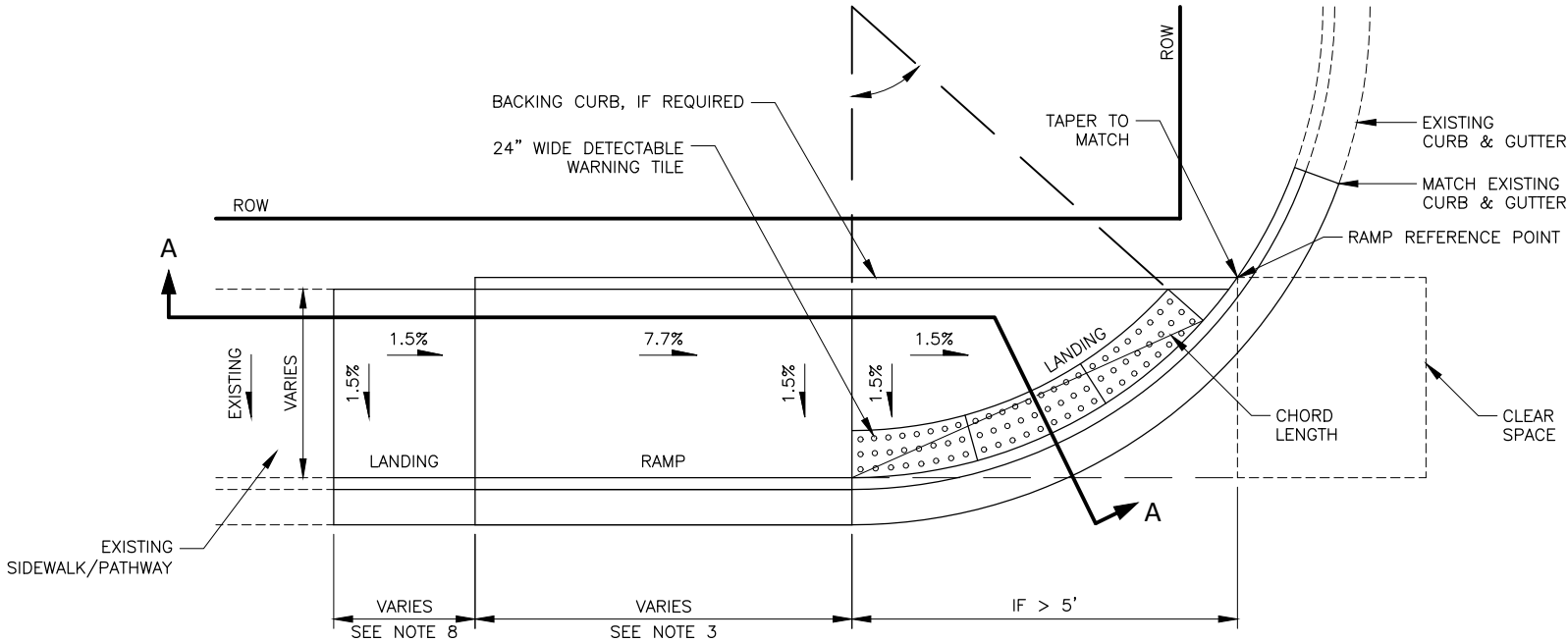
AMATS: DOWNTOWN
TRAIL CONNECTION

CURB & GUTTER DETAILS

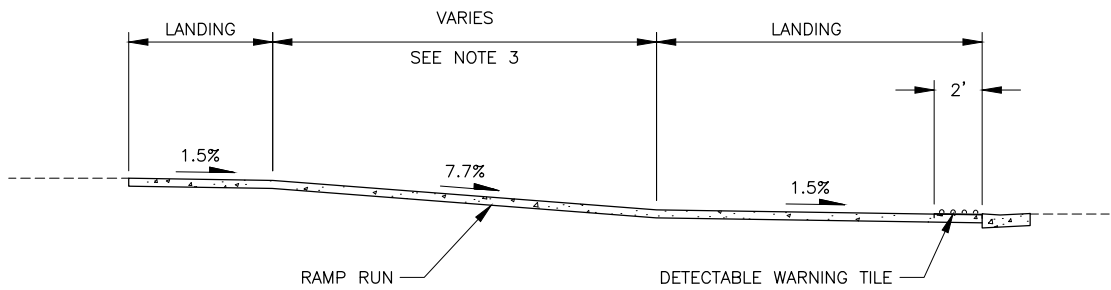
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001662/CFHWY00586	2025	E2	E6

CONSTRUCTION NOTES:

- SEE PLANS FOR RAMP TYPE AT SPECIFIC LOCATION. SEE STRIPING PLANS FOR CROSSWALK LAYOUT.
- CONSTRUCT RAMP RUNS AND LANDINGS OF 4" THICK (MIN.) CONCRETE, REGARDLESS OF WHETHER THE SIDEWALK IS ASPHALT OR CONCRETE.
- CONSTRUCT RAMP SLOPES AT 7.7% (5.0% MIN. AND 8.3% MAX.). IF SITE CONDITIONS WARRANT IT, RAMP LENGTHS SHOULD BE INCREASED TO KEEP GRADES UNDER THE 8.3% MAXIMUM, BUT ARE NOT REQUIRED TO EXCEED 15'. THE RESULTING RAMP GRADE AT A 15' RAMP LENGTH IS ACCEPTABLE EVEN IF IT EXCEEDS 8.3%.
- CONSTRUCT SIDEWALK CROSS-SLOPES AT 1.5% (1.0% MIN. AND 2.0% MAX.).
- CONSTRUCT GRADE BREAKS PERPENDICULAR TO RAMP RUNS.
- PROVIDE A COARSE BROOM FINISH RUNNING PERPENDICULAR TO THE CURB ON RAMP RUNS AND UPPER LANDINGS AND PARALLEL TO THE CURB ON LOWER LANDINGS.
- INSTALL 24" DETECTABLE WARNING TILES FOR THE FULL WIDTH OF THE RAMP. ALIGN TRUNCATED DOME PATTERN IN THE PREDOMINANT DIRECTION OF WHEELCHAIR TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN DOMES.
- LENGTH OF LANDING:
A. IF A CONSTRAINT EXISTS AT BACK OF SIDEWALK THAT INHIBITS TURNING, LENGTH OF LANDING IS 60".
B. IF NO CONSTRAINT EXISTS, LENGTH OF LANDING IS 48".
- LAYOUT DESIGN INFORMATION FOR RADIAL DETECTABLE WARNING TILES:
RADIUS @ TBC = 23'
CHORD LENGTH = 22.5'
TANGENT LENGTH = 0'



WIDE SIDEWALK DIRECTIONAL RAMP



SECTION A-A

PS&E
Submittal
4/10/25

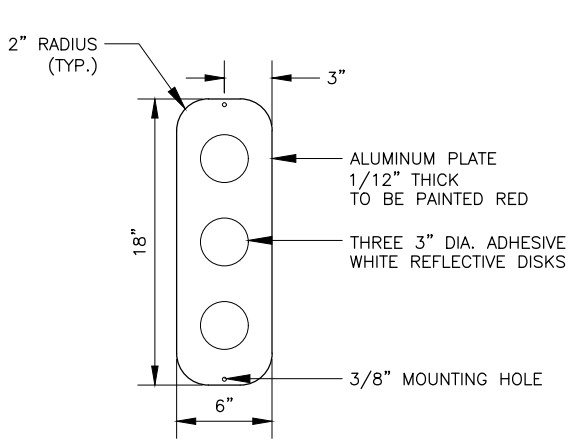
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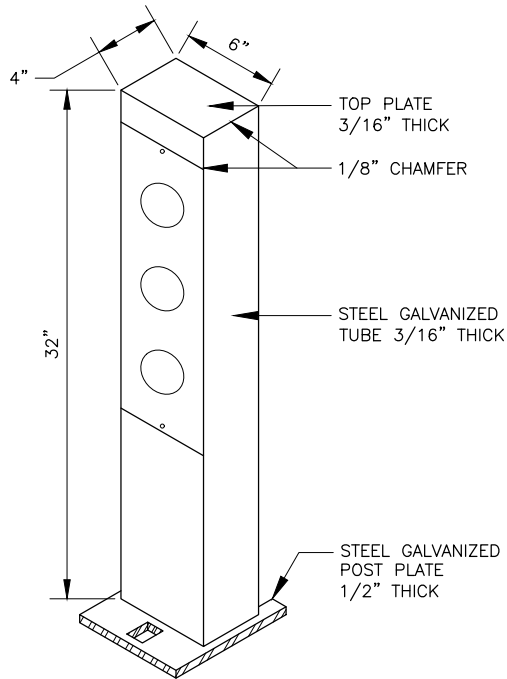
AMATS: DOWNTOWN
TRAIL CONNECTION

DIRECTIONAL CURB RAMP DETAIL

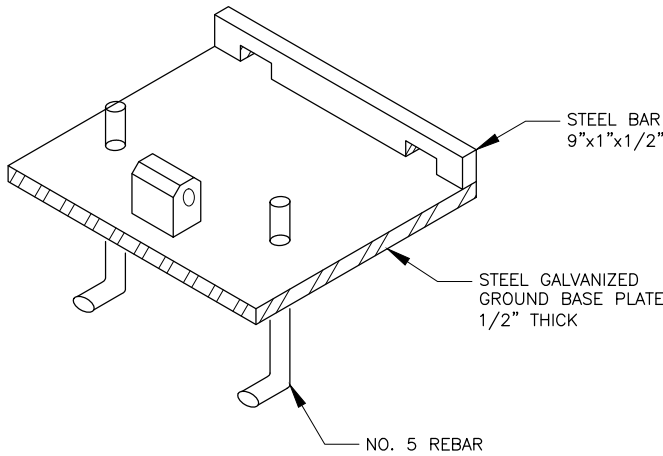
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			ALASKA	0001662/CFHWY00586	2025	E3	E6



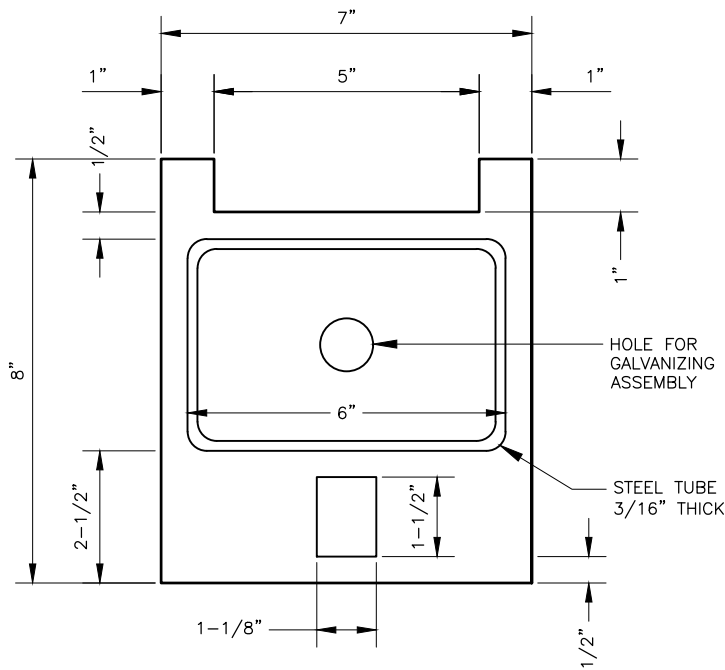
REFLECTOR PLATE



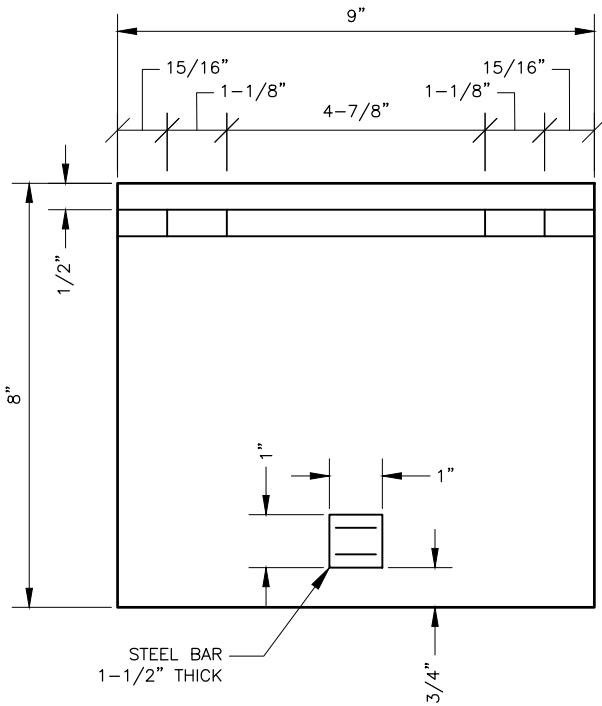
REFLECTOR PLATE AND STEEL POST



GROUND BASE PLATE (ISOMETRIC VIEW)



POST BASE PLATE

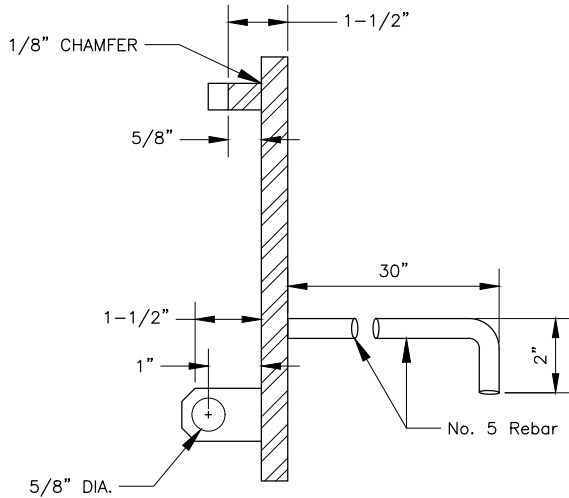


GROUND BASE PLATE

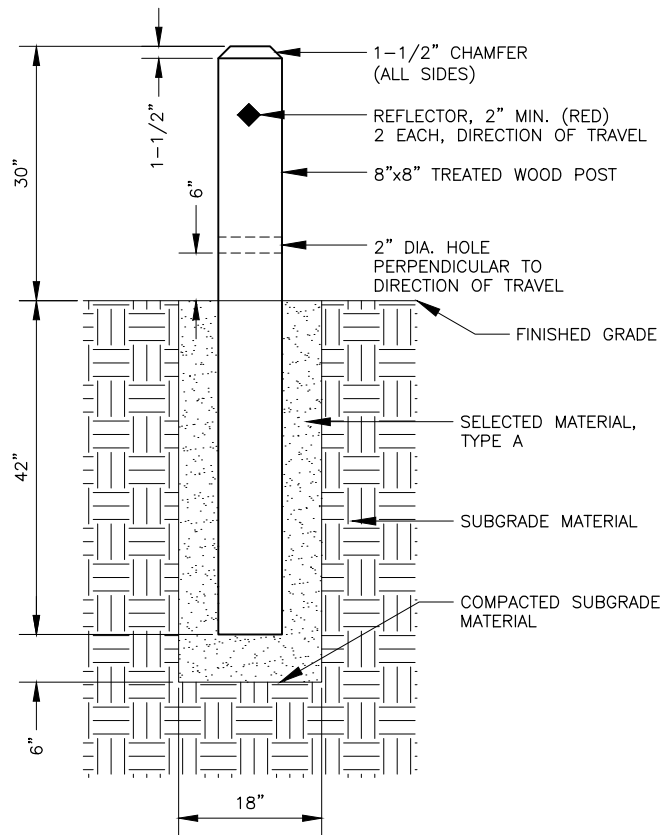
REMOVABLE STEEL BOLLARD

REMOVABLE STEEL BOLLARD NOTES:

1. ALL WELDS, UNLESS OTHERWISE SHOWN, SHALL BE 3/16-INCH FILLET ON ALL SIDES.
2. BOLLARDS SHALL BE CAST IN PLACE WITH TYPE 'A' CONCRETE IN A 12-INCH DIAMETER BY 36-INCH DEEP CONCRETE FOUNDATION TUBE.
3. ALL EXTERIOR CORNERS SHALL BE ROUNDED TO PROVIDE A PROJECTION FREE SURFACE.
4. INSTALL REFLECTOR PLATES WITH ADHESIVE DISK REFLECTORS ON BOTH FRONT AND BACK OF POST.
5. USE OF "OLD STYLE" STEEL SLEEVE WITH REMOVABLE WOOD BOLLARD IS PROHIBITED.



GROUND BASE PLATE (SIDE VIEW)



WOOD BOLLARD

PS&E
Submittal
4/10/25

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AND PUBLIC FACILITIES

AMATS: DOWNTOWN
TRAIL CONNECTION

REMOVABLE STEEL BOLLARD
AND WOOD BOLLARD DETAIL

DESIGNED BY
CHECKED BY
DRAFTED BY

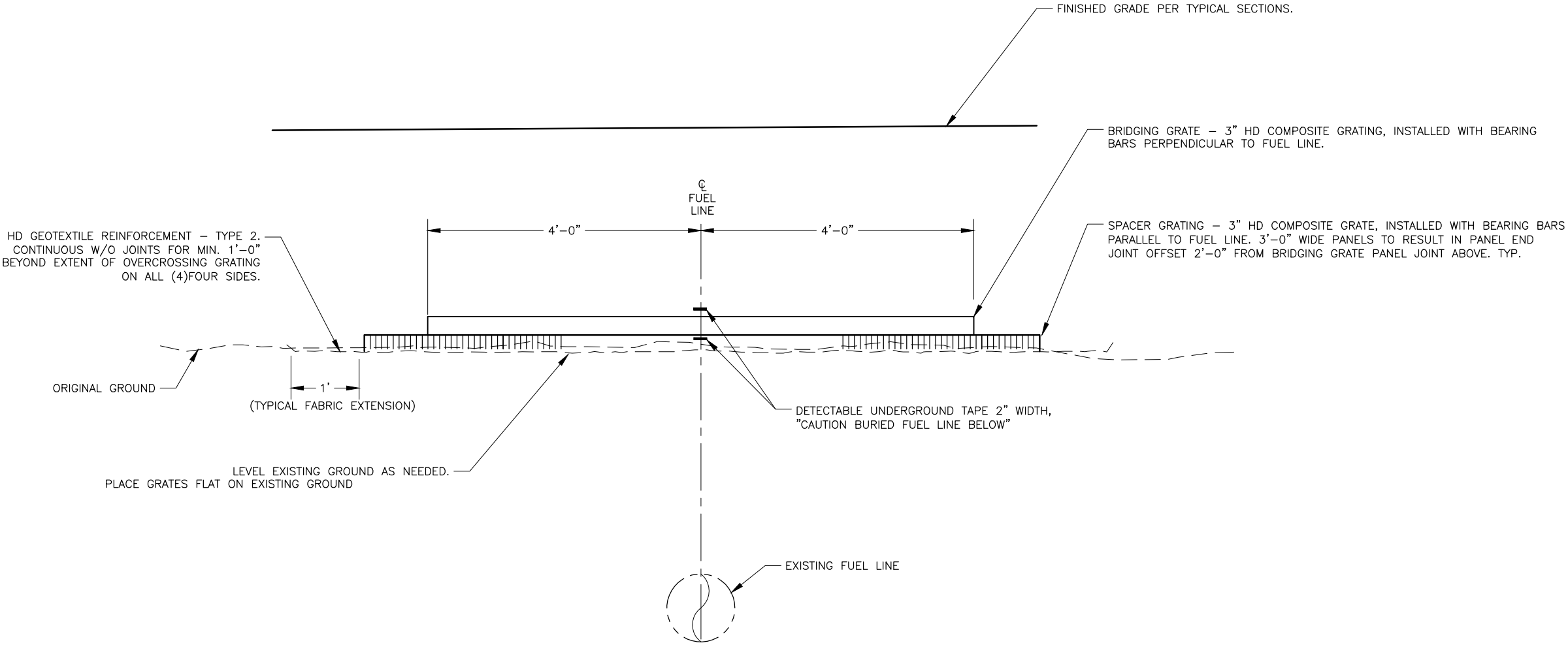
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001662/CFHWY00586	2025	E4	E6



FUEL LINE CROSSING

SCALE: NTS

PS&E
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DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

AMATS: DOWNTOWN
TRAIL CONNECTION

FUEL LINE
OVERCROSSING DETAIL

DESIGNED BY
CHECKED BY
DRAFTED BY

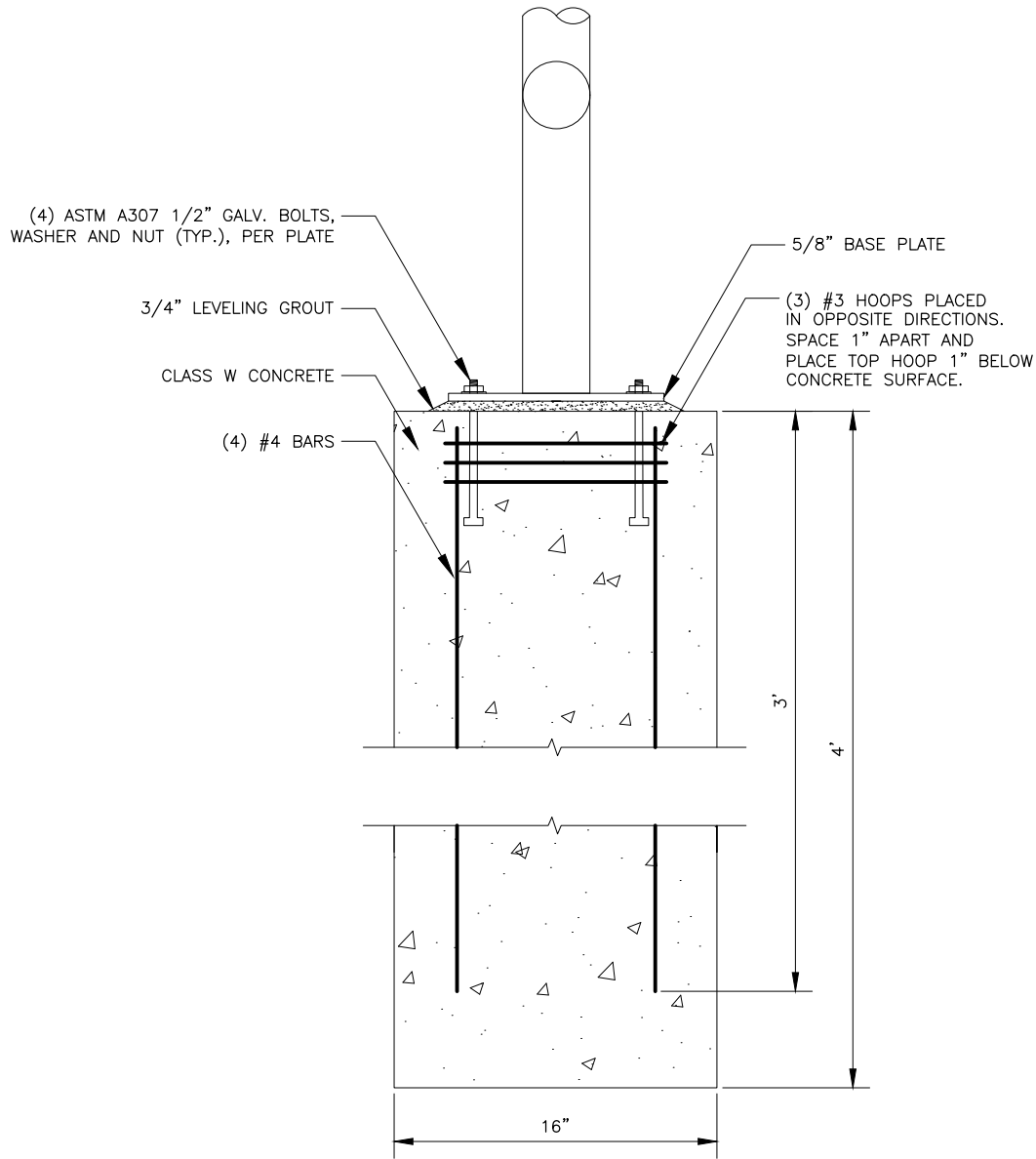
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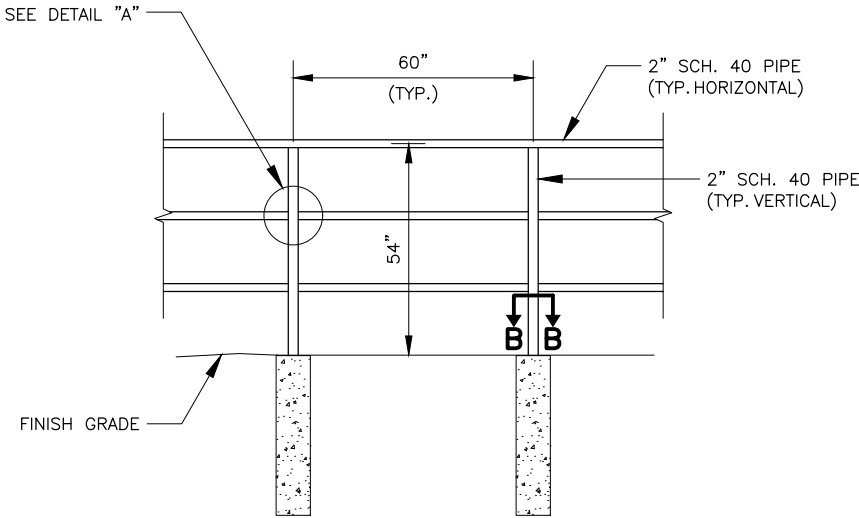
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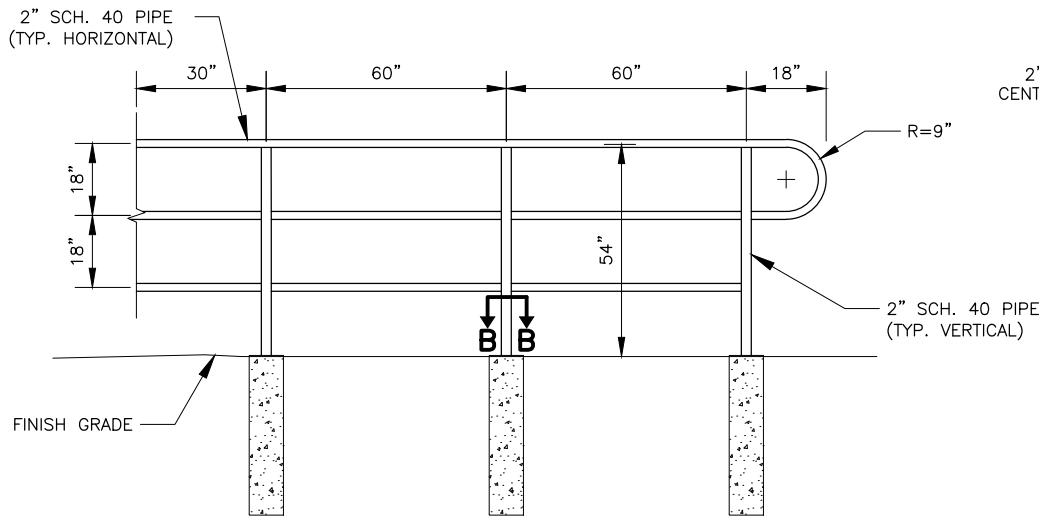


FOUNDATION AND CONNECTION DETAIL

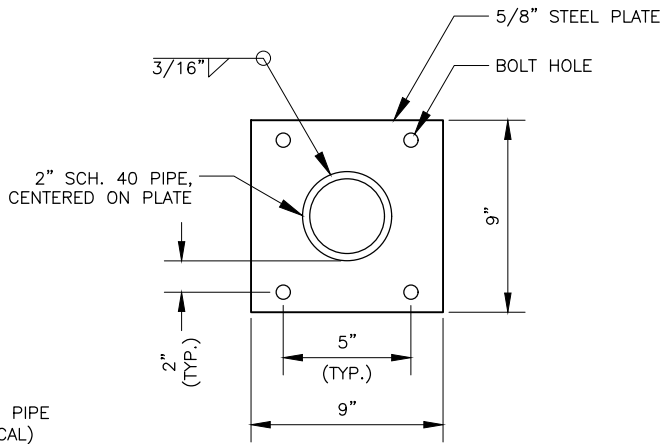
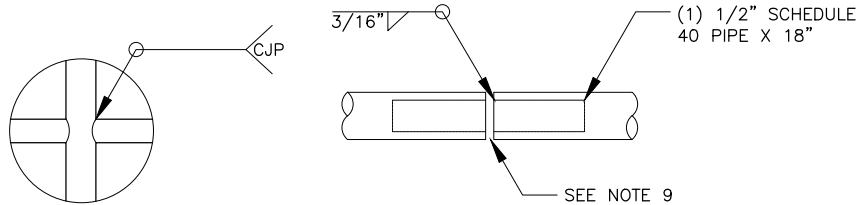
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TYPICAL SECTION VIEW



END SECTION VIEW

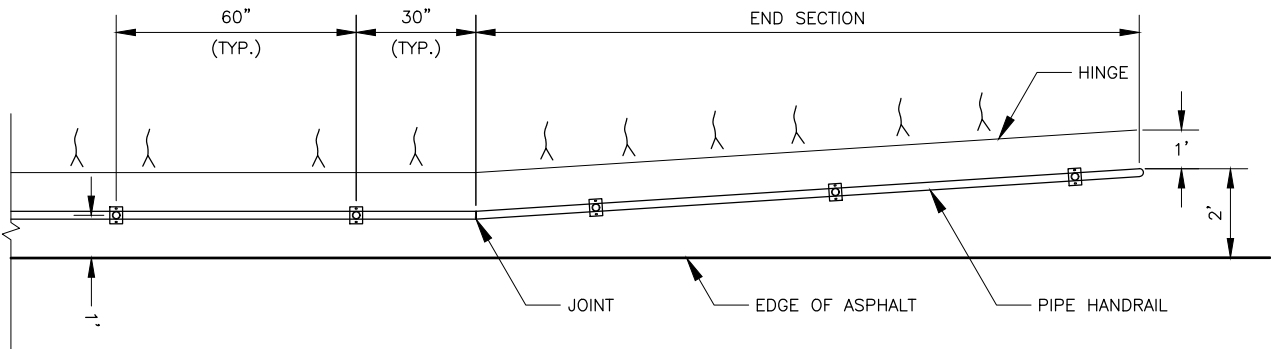


SECTION B-B

PIPE HAND RAIL

PIPE HAND RAIL NOTES:

- DIMENSIONS ON TYPICAL SECTION AND END SECTION ARE SHOWN TO CENTER OF PIPE.
- STEEL PIPE SHALL BE HOT-DIPPED GALVANIZED.
- ALL FIXED JOINTS TO BE WELDED ALL AROUND AND GROUND SMOOTH.
- ALL WELDING SHALL BE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY STRUCTURAL WELDING CODE, (STEEL) ANSI/AWS D1.1 (CURRENT EDITION).
- BASE PLATES SHALL BE IN ACCORDANCE WITH ASTM A36.
- PLACE #4 VERTICAL BARS ON THE OUTSIDE EDGE AND ADJACENT TO EACH ANCHOR BOLT.
- MINIMUM ANCHOR BOLT EMBEDMENT IS 5".
- SECTION B-B IS PARALLEL TO PAVEMENT EDGE.
- AN EXPANSION JOINT IS TO BE INCLUDED EVERY 30'.



RAIL TERMINATION PLAN VIEW

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Submittal
4/10/25

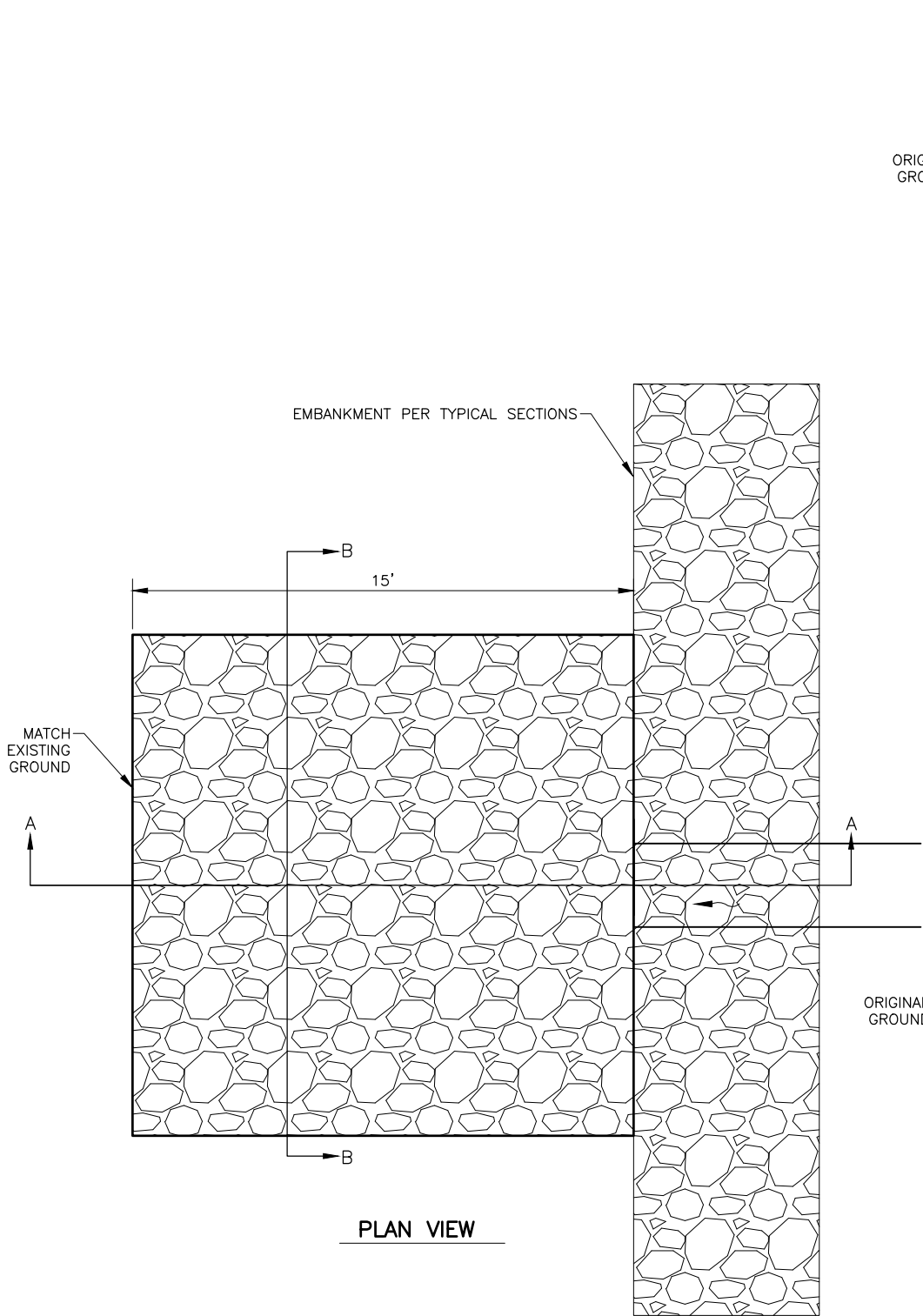
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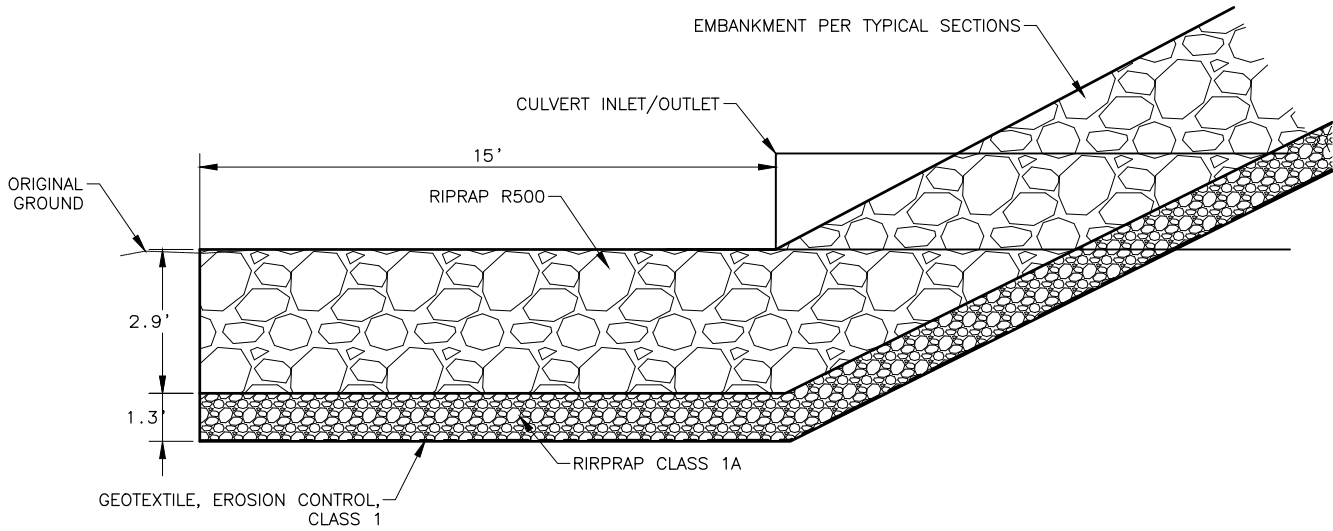
AMATS: DOWNTOWN
TRAIL CONNECTION

PIPE HAND RAIL DETAIL

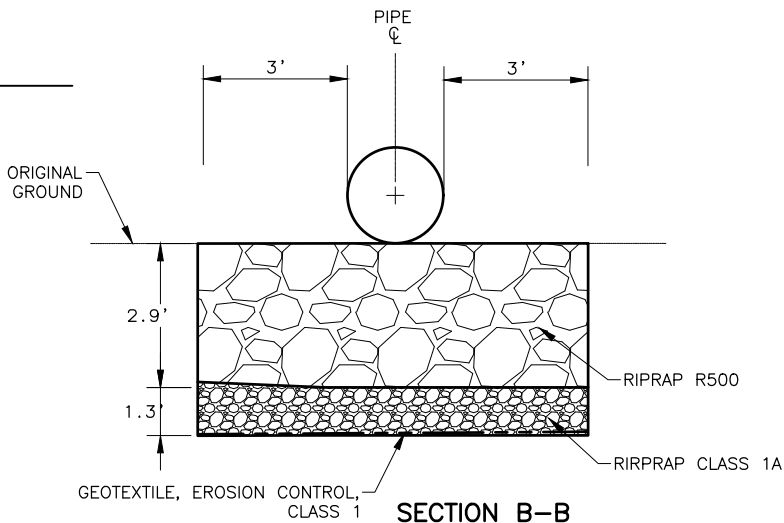
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001662/CFHWY00586	2025	E6	E6



PLAN VIEW



SECTION A-A



SECTION B-B

RIPRAP APRONS

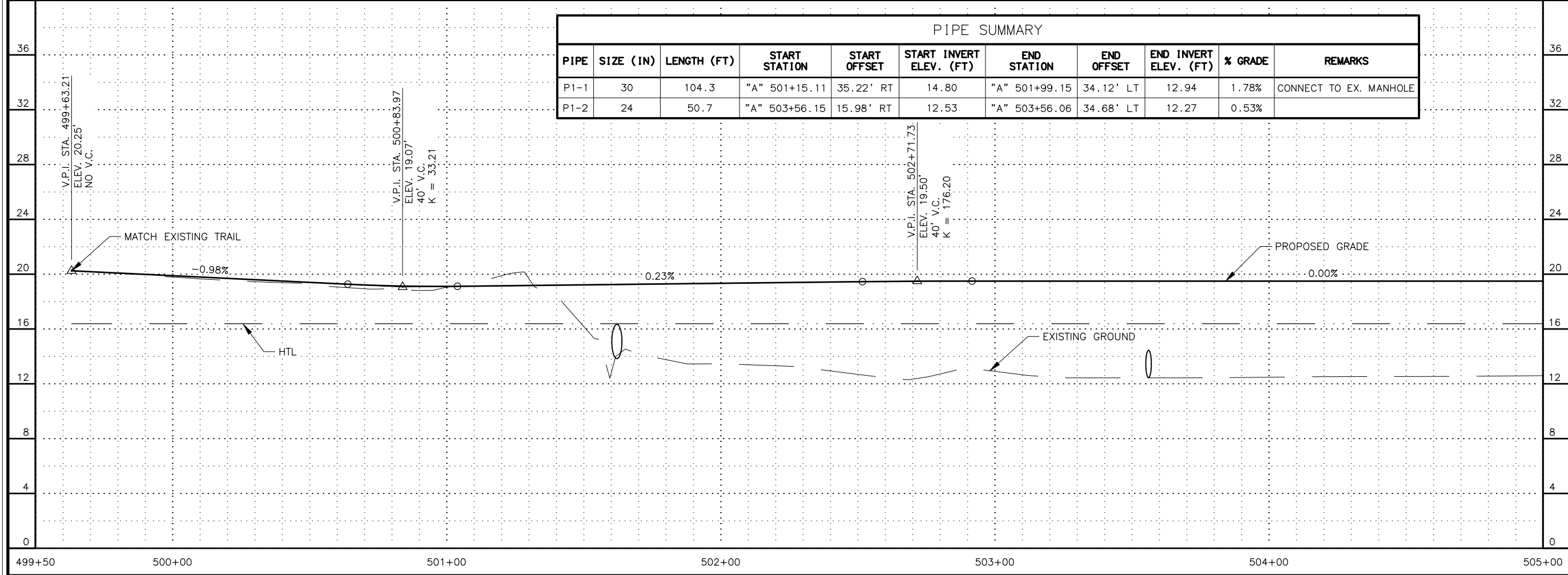
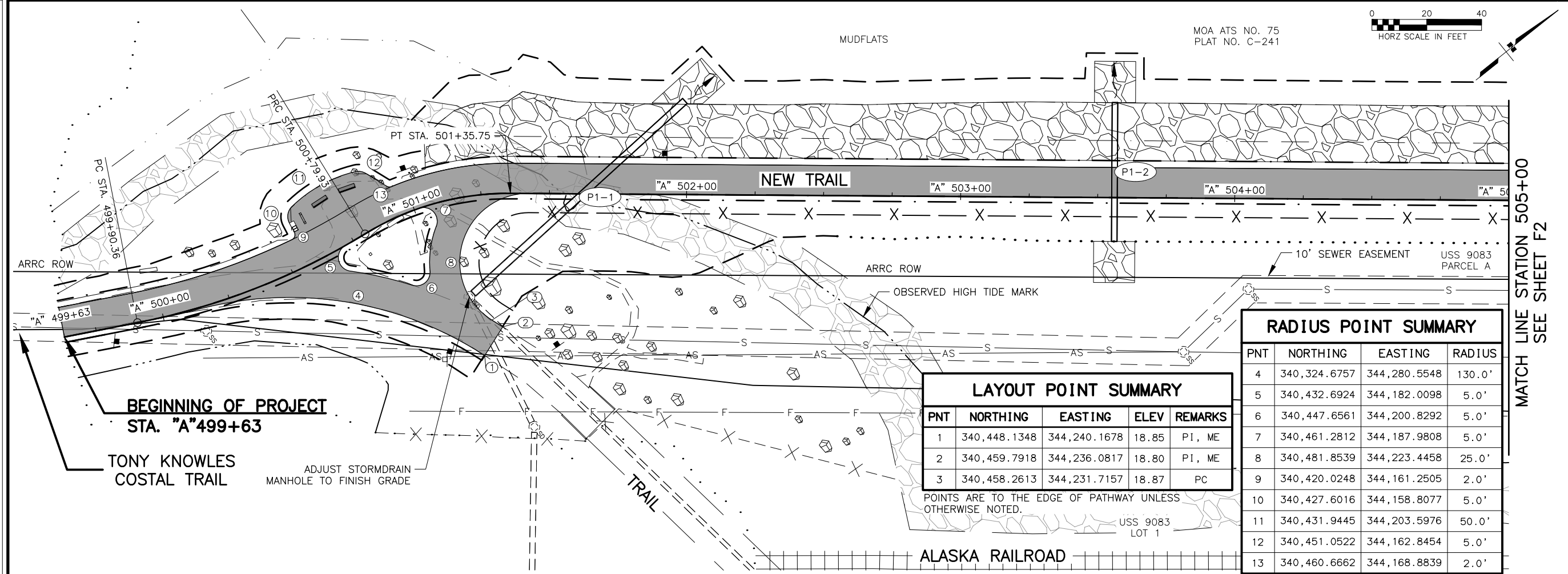
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
AMATS: DOWNTOWN
TRAIL CONNECTION

DETAILS

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SHEET NO.	TOTAL SHEETS
F1	F15
STATE	YEAR
ALASKA	2025
PROJECT DESIGNATION	
0001662/ CFHWY00586	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

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4/10/25

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DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

AMATS: DOWNTOWN
TRAIL CONNECTION
BOP TO STA
505+00
PLAN & PROFILE

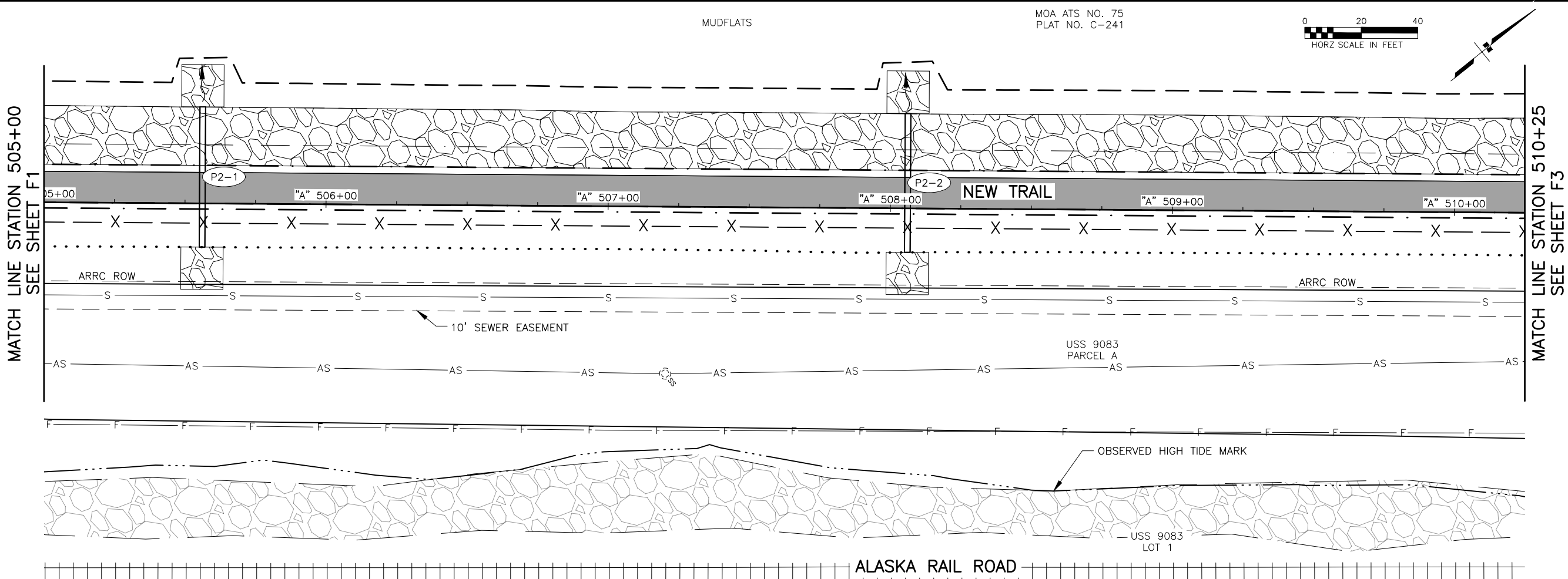
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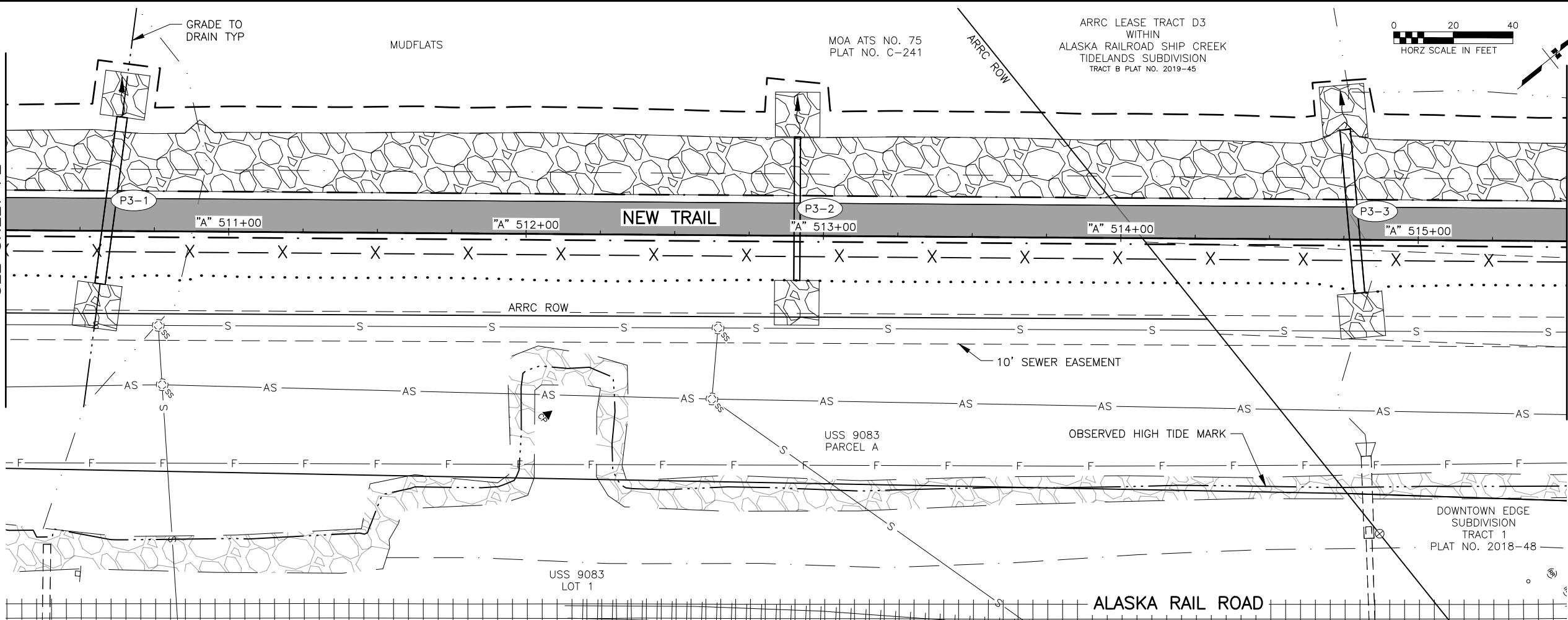
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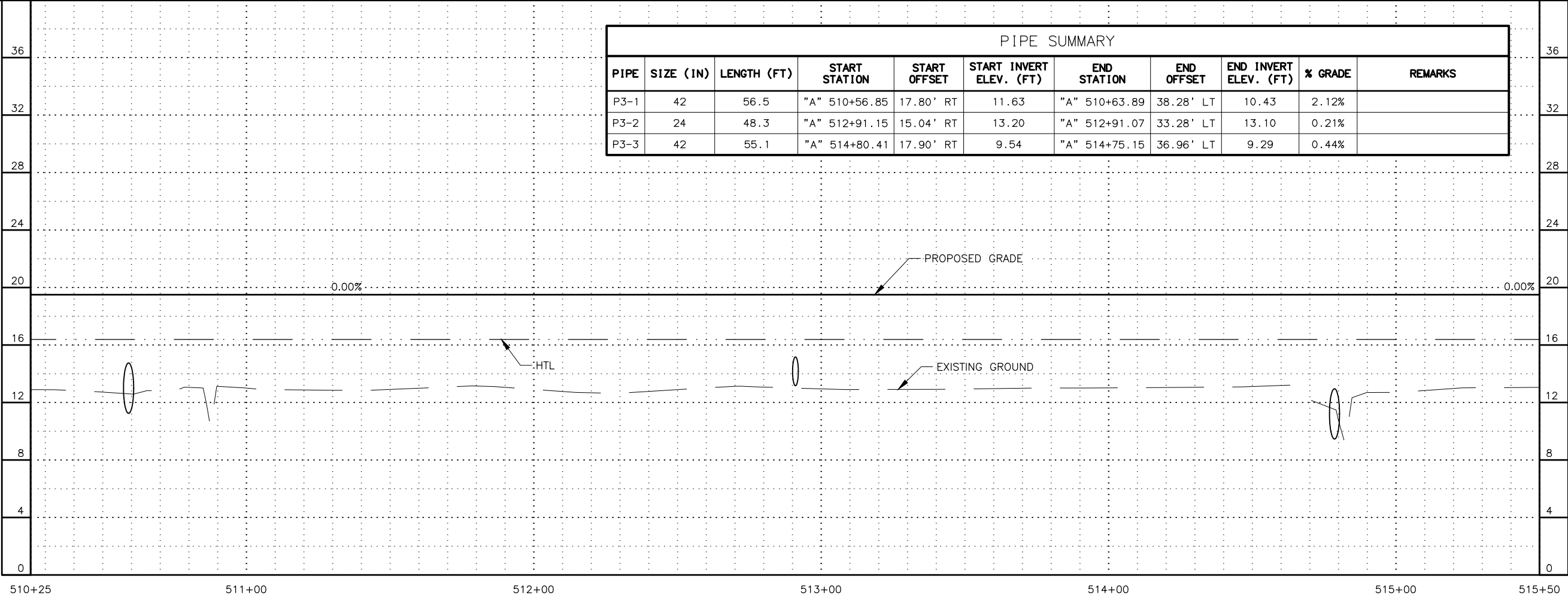
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MATCH LINE STATION 510+25
SEE SHEET F2



MATCH LINE STATION 515+50
SEE SHEET F4

PIPE SUMMARY										
PIPE	SIZE (IN)	LENGTH (FT)	START STATION	START OFFSET	START INVERT ELEV. (FT)	END STATION	END OFFSET	END INVERT ELEV. (FT)	% GRADE	REMARKS
P3-1	42	56.5	"A" 510+56.85	17.80' RT	11.63	"A" 510+63.89	38.28' LT	10.43	2.12%	
P3-2	24	48.3	"A" 512+91.15	15.04' RT	13.20	"A" 512+91.07	33.28' LT	13.10	0.21%	
P3-3	42	55.1	"A" 514+80.41	17.90' RT	9.54	"A" 514+75.15	36.96' LT	9.29	0.44%	



SHEET NO.
F3

TOTAL SHEETS
F15

STATE
ALASKA

YEAR
2025

PROJECT DESIGNATION
**0001662/
CFHWY00586**

NO.

REVISION

DATE

NO.

REVISION

DATE

NO.

REVISION

DATE

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Submittal
4/10/25

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

AMATS: DOWNTOWN
TRAIL CONNECTION

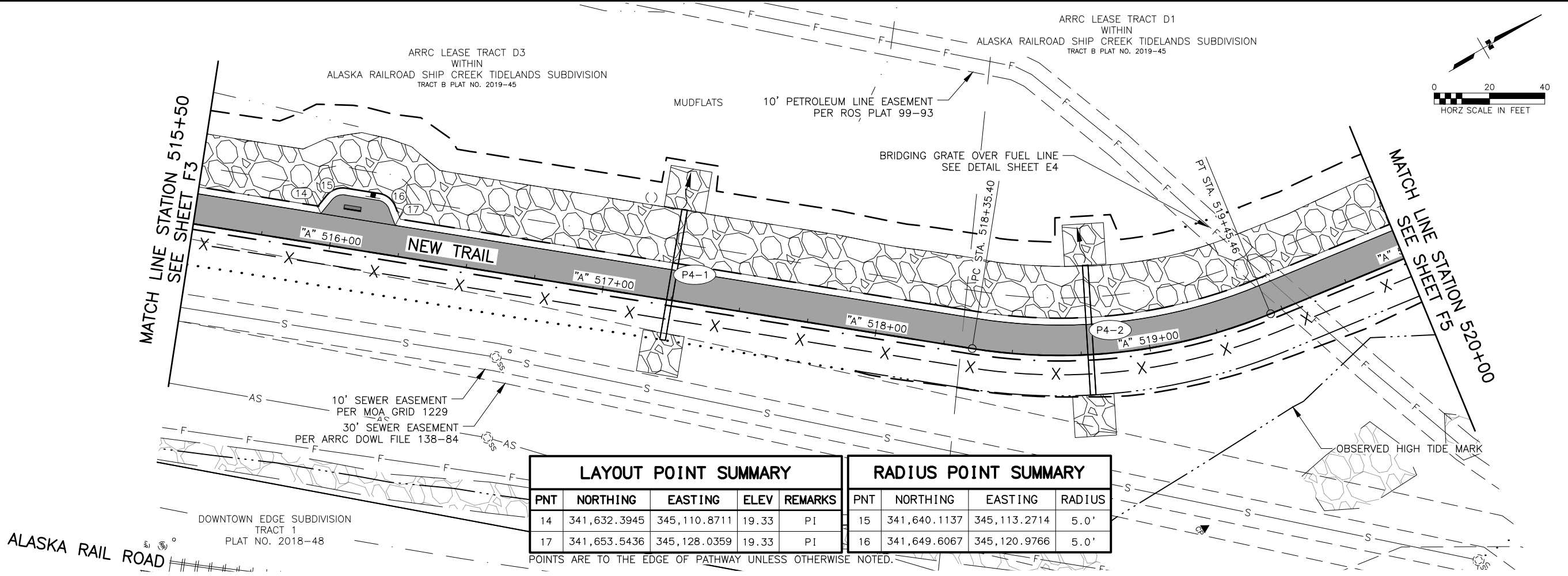
**STA 510+25 TO
STA 515+50
PLAN & PROFILE**

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DRAFTED BY

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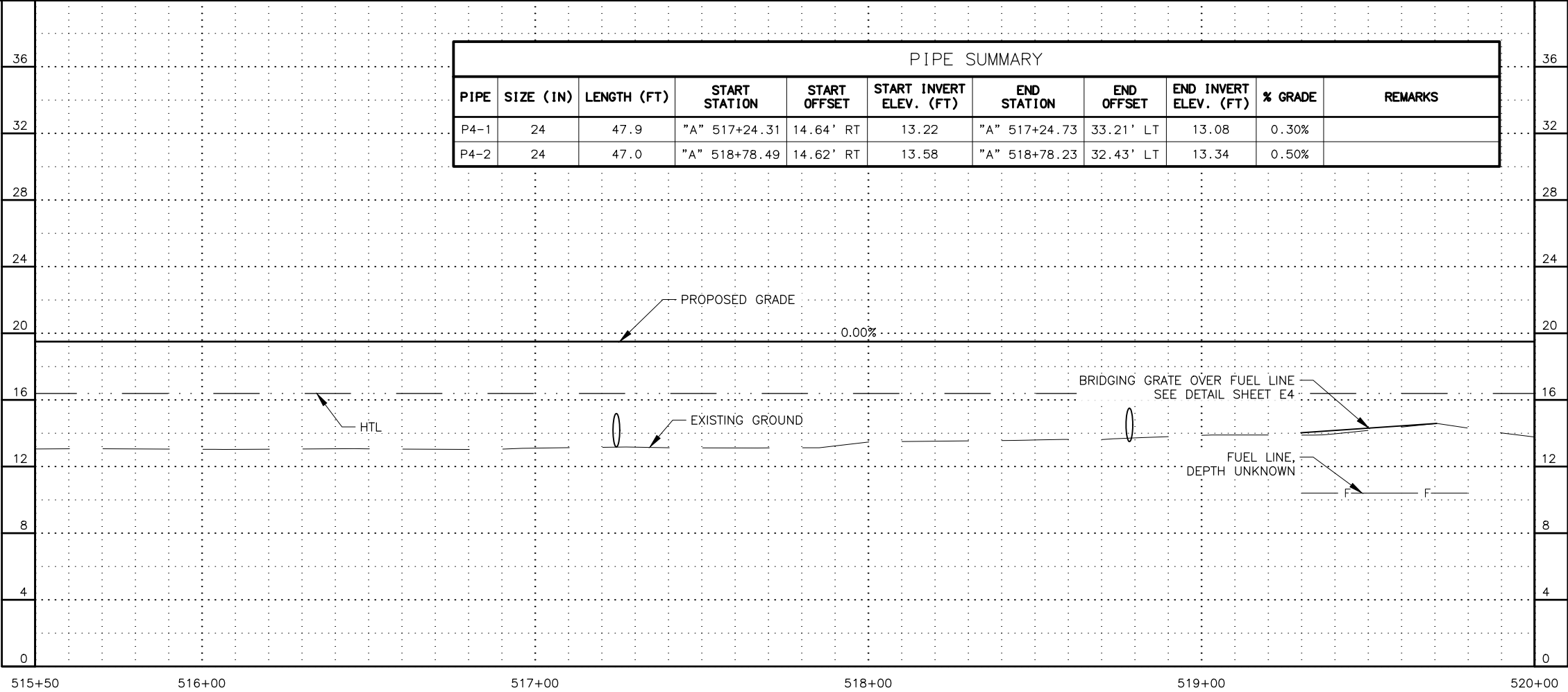
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LAYOUT POINT SUMMARY					RADIUS POINT SUMMARY			
PNT	NORTHING	EASTING	ELEV	REMARKS	PNT	NORTHING	EASTING	RADIUS
14	341,632.3945	345,110.8711	19.33	PI	15	341,640.1137	345,113.2714	5.0'
17	341,653.5436	345,128.0359	19.33	PI	16	341,649.6067	345,120.9766	5.0'

POINTS ARE TO THE EDGE OF PATHWAY UNLESS OTHERWISE NOTED.



SHEET NO.
F4

TOTAL SHEETS
F15

STATE
ALASKA

YEAR
2025

PROJECT DESIGNATION
**0001662/
CFHWY00586**

NO.

REVISION

DATE

NO.

REVISION

DATE

NO.

REVISION

DATE

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Submittal
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DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

AMATS: DOWNTOWN
TRAIL CONNECTION

**STA 515+50 TO
STA 520+00
PLAN & PROFILE**

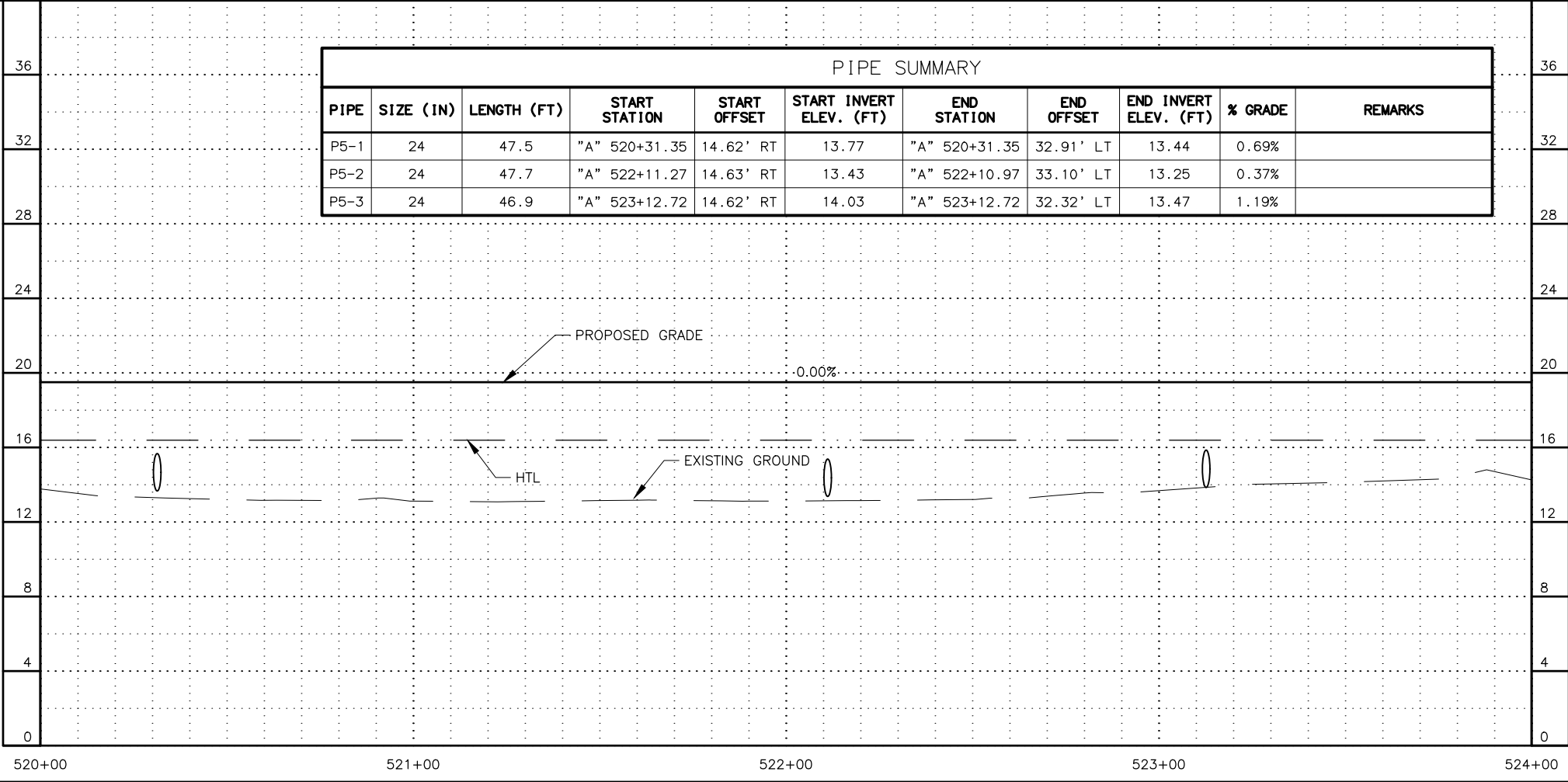
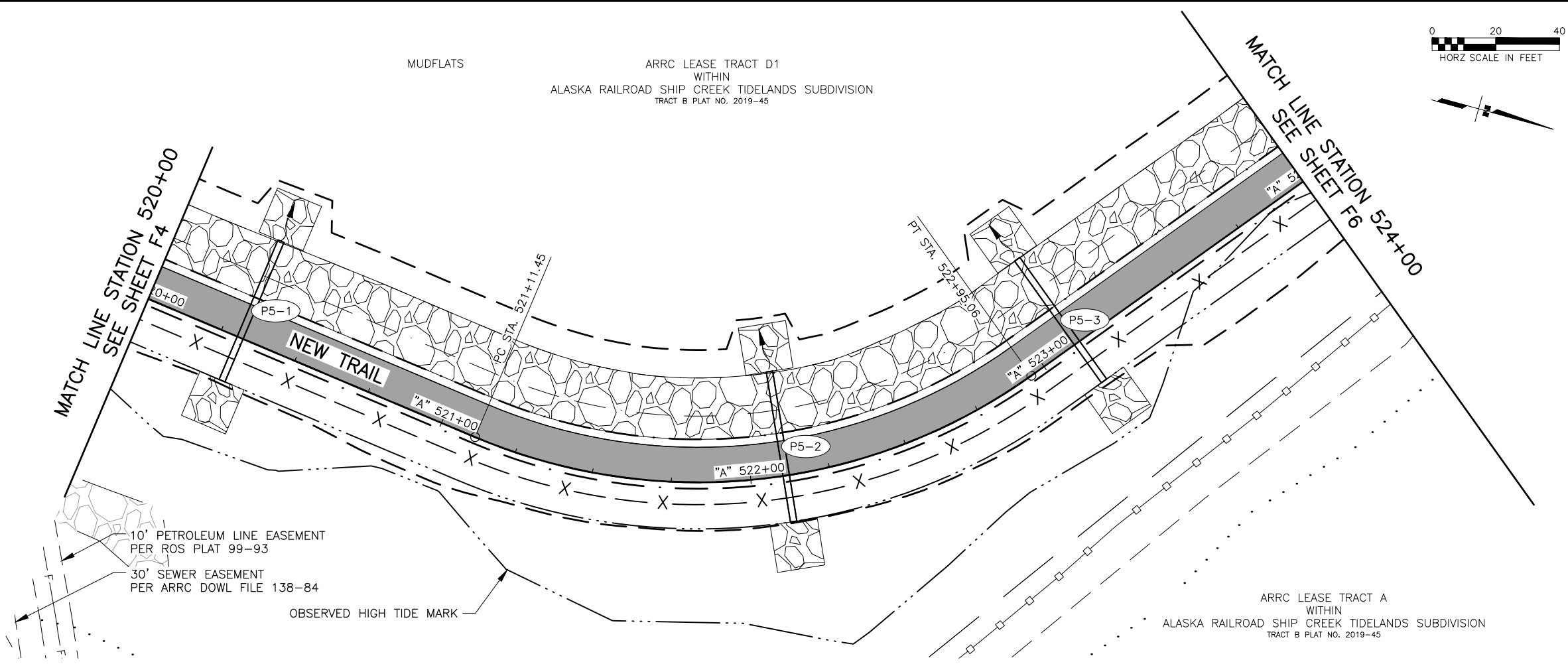
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SHEET NO.
F5

TOTAL SHEETS
F15

STATE
ALASKA

YEAR
2025

PROJECT DESIGNATION
0001662/
CFHWY00586

NO.

DATE

NO.

DATE

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REVISION

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REVISION

REVISION

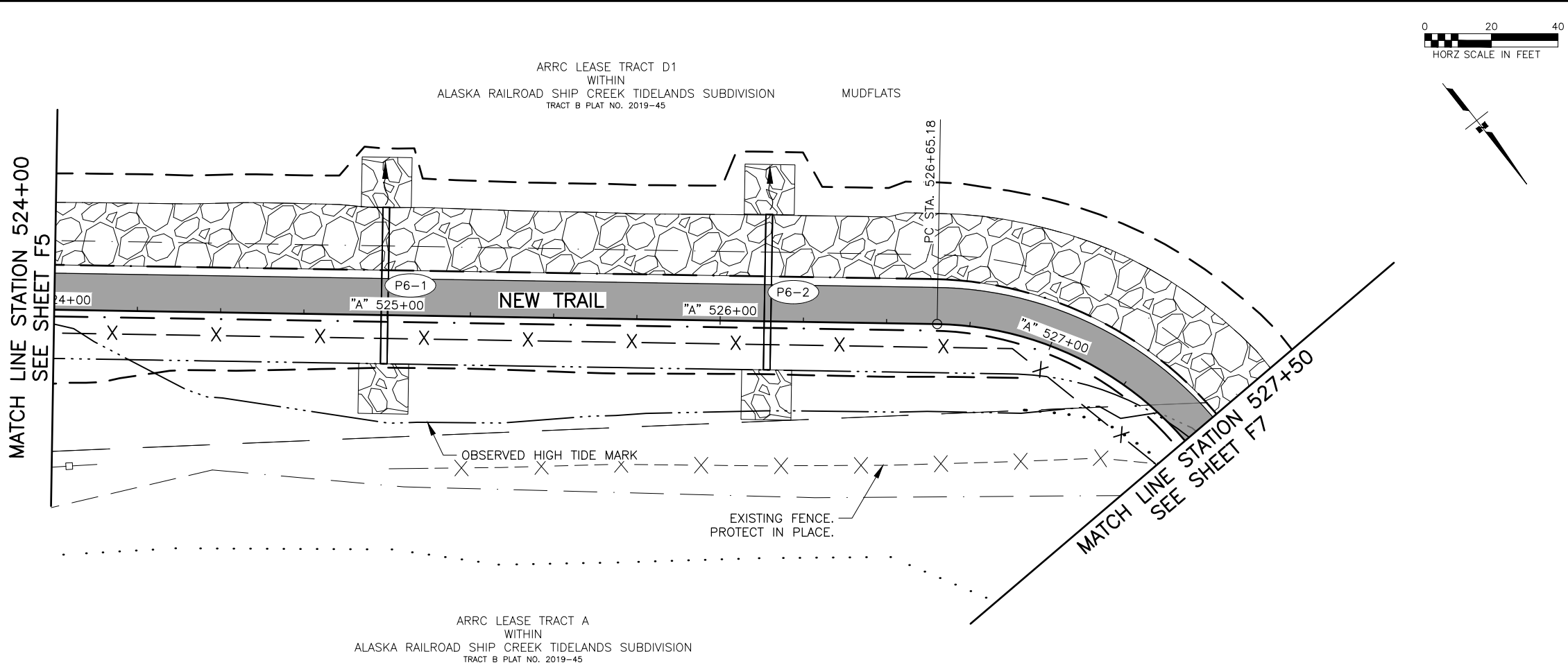
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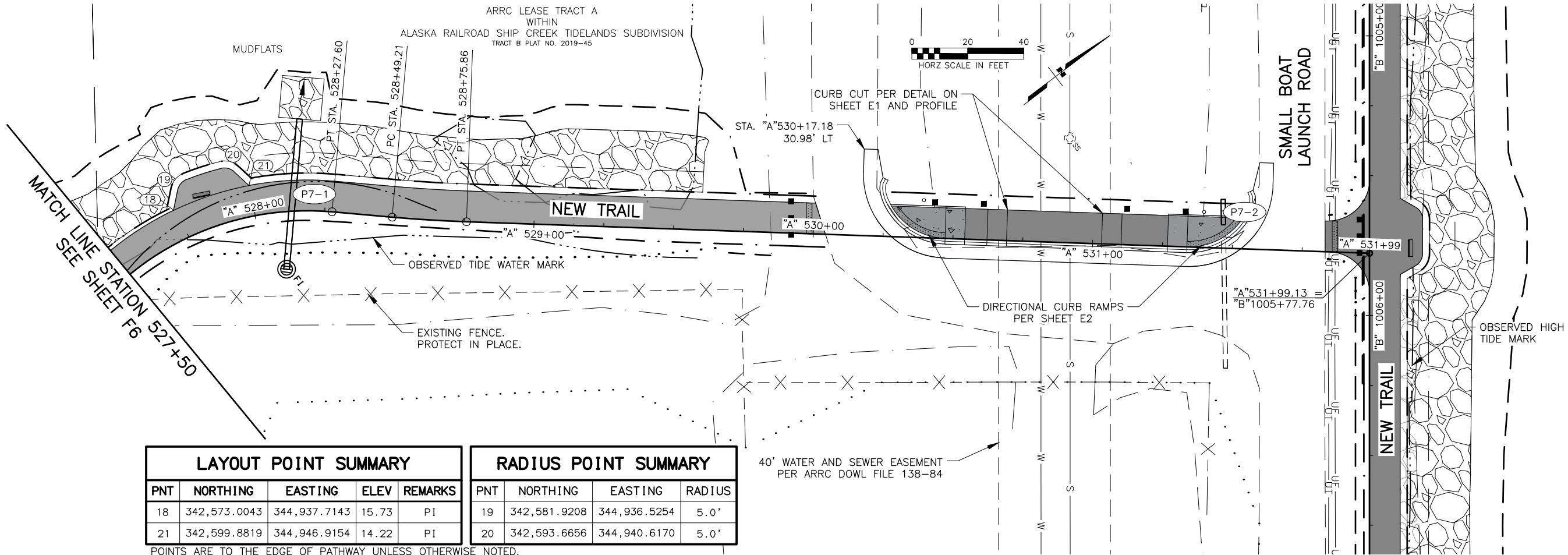
STATE OF ALASKA
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AND PUBLIC FACILITIES

AMATS: DOWNTOWN
TRAIL CONNECTION

STA 520+00 TO
STA 524+00
PLAN & PROFILE



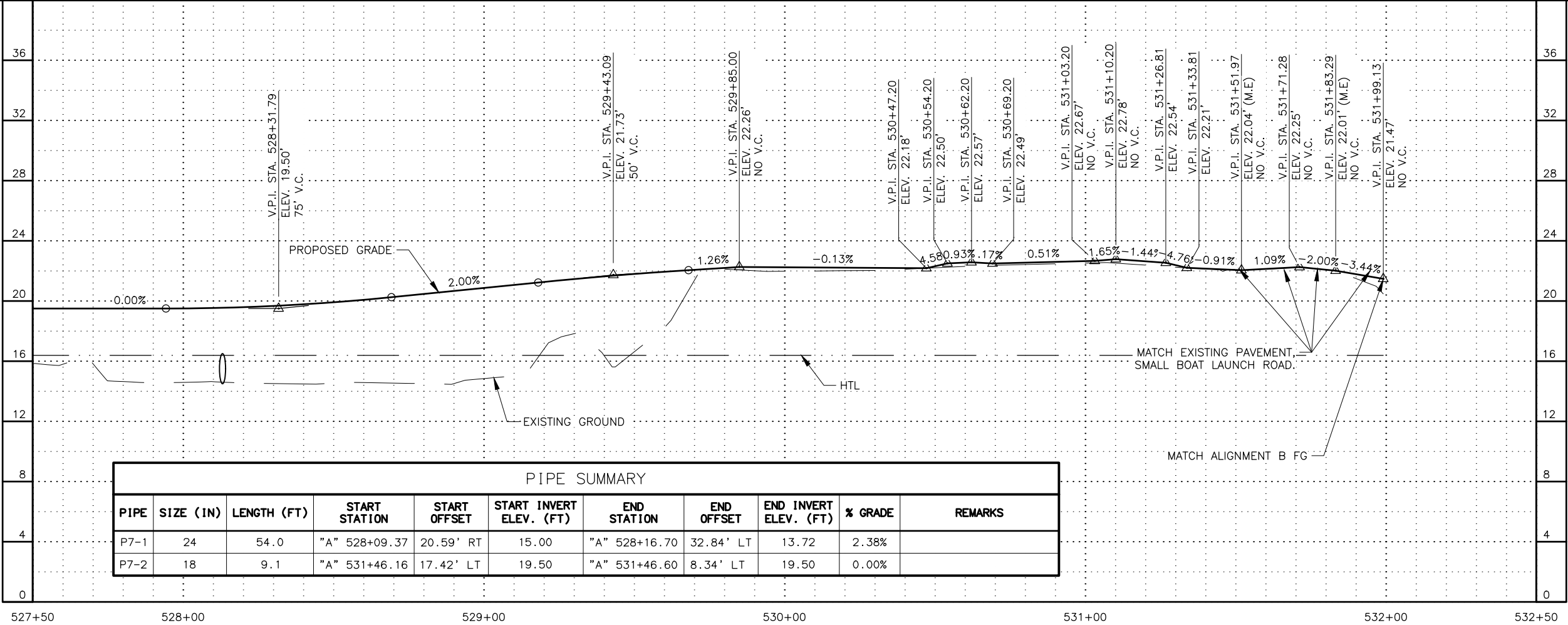
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LAYOUT POINT SUMMARY				
PNT	NORTHING	EASTING	ELEV	REMARKS
18	342,573.0043	344,937.7143	15.73	P1
21	342,599.8819	344,946.9154	14.22	P1

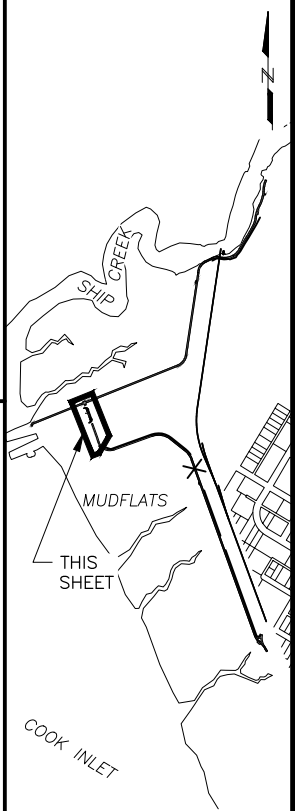
RADIUS POINT SUMMARY			
PNT	NORTHING	EASTING	RADIUS
19	342,581.9208	344,936.5254	5.0'
20	342,593.6656	344,940.6170	5.0'

POINTS ARE TO THE EDGE OF PATHWAY UNLESS OTHERWISE NOTED.



PIPE SUMMARY										
PIPE	SIZE (IN)	LENGTH (FT)	START STATION	START OFFSET	START INVERT ELEV. (FT)	END STATION	END OFFSET	END INVERT ELEV. (FT)	% GRADE	REMARKS
P7-1	24	54.0	"A" 528+09.37	20.59' RT	15.00	"A" 528+16.70	32.84' LT	13.72	2.38%	
P7-2	18	9.1	"A" 531+46.16	17.42' LT	19.50	"A" 531+46.60	8.34' LT	19.50	0.00%	

SHEET NO.	TOTAL SHEETS
F7	F15
STATE	YEAR
ALASKA	2025
PROJECT DESIGNATION	
0001662/ CFHWY00586	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



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Submittal
4/10/25

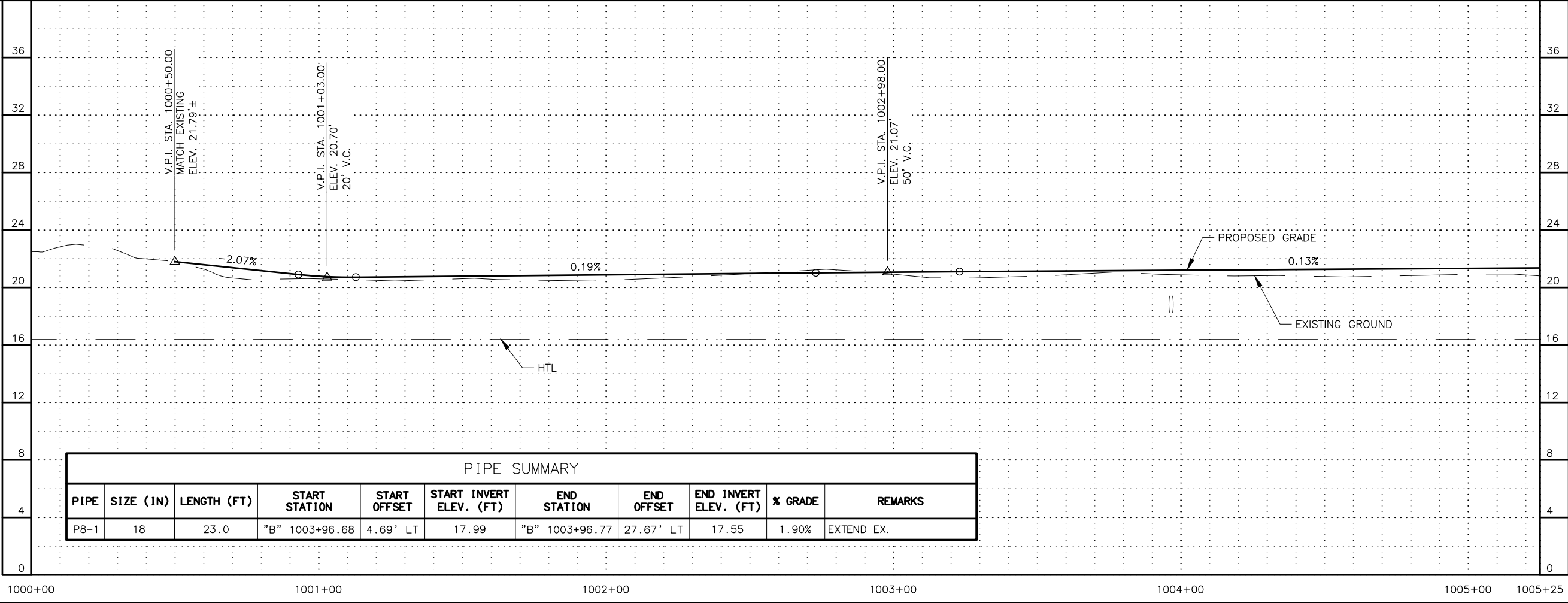
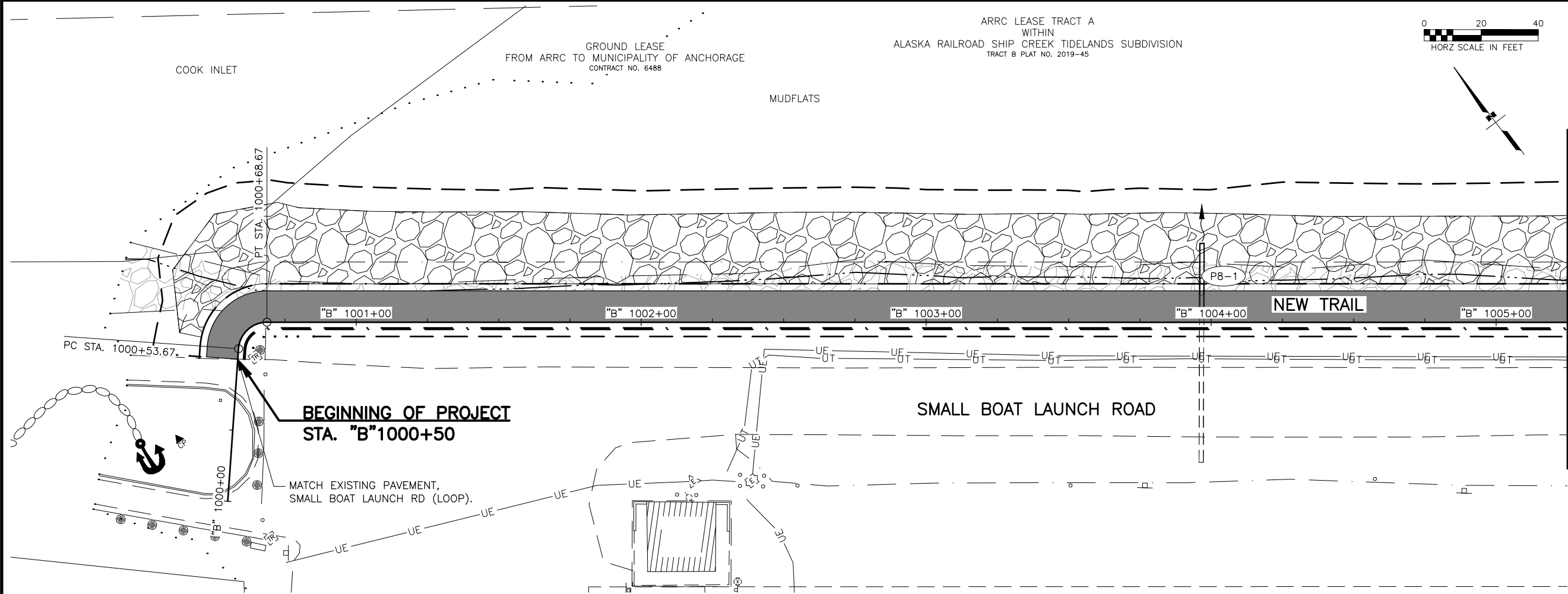
PLANS DEVELOPED BY:
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(907) 346-2373
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

AMATS: DOWNTOWN
TRAIL CONNECTION

STA 527+75 TO
STA 532+20
PLAN & PROFILE

DESIGNED BY: []
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PIPE SUMMARY										
PIPE	SIZE (IN)	LENGTH (FT)	START STATION	START OFFSET	START INVERT ELEV. (FT)	END STATION	END OFFSET	END INVERT ELEV. (FT)	% GRADE	REMARKS
P8-1	18	23.0	"B" 1003+96.68	4.69' LT	17.99	"B" 1003+96.77	27.67' LT	17.55	1.90%	EXTEND EX.

SHEET NO. F8TOTAL SHEETS F15

STATE ALASKAYEAR 2025

PROJECT DESIGNATION 0001662/CFHWY00586

NO. DATE

NO. DATE

NO. DATE

NO. DATE

PS&E Submittal 4/10/25

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

AMATS: DOWNTOWN TRAIL CONNECTION

STA 1000+00 TO STA 1005+25
PLAN & PROFILE

DRAWING LOCATION
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DESIGNED BY
CHECKED BY
DRAFTED BY

SCALE
X" = XX'

DATE
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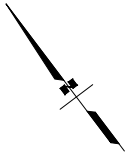
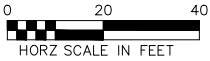
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LAYOUT POINT SUMMARY				
PNT	NORTHING	EASTING	ELEV	REMARKS
35	342,925.6463	345,199.0042	21.57	P1
38	342,909.2179	345,220.7303	21.39	P1

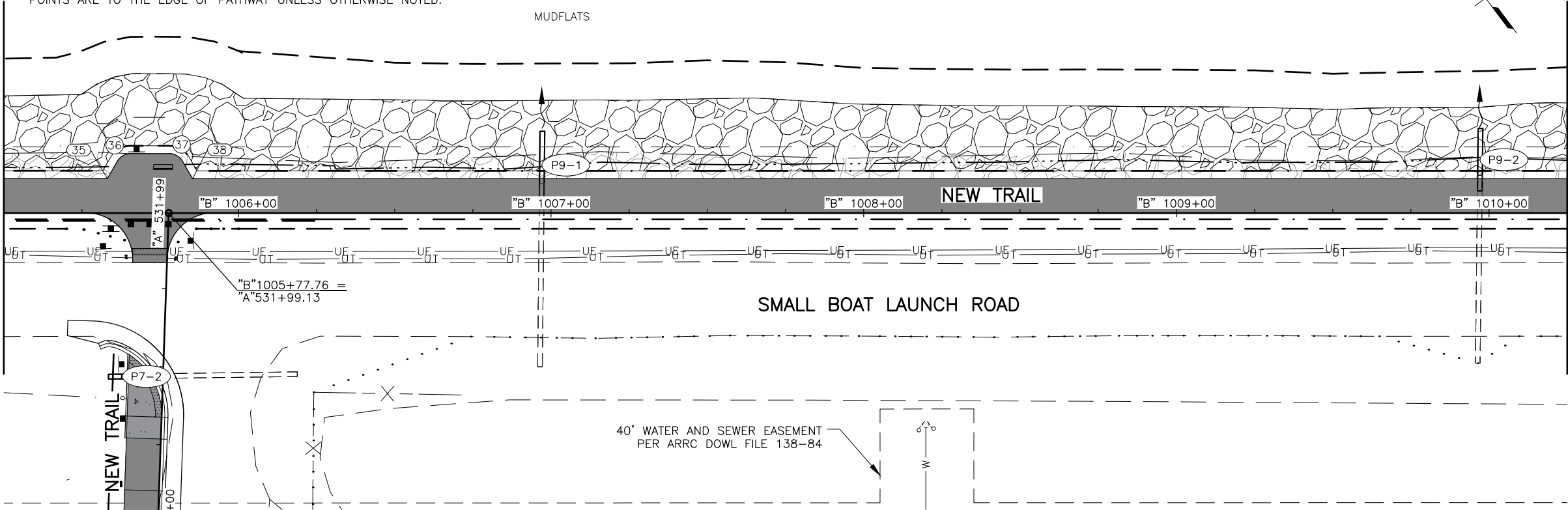
RADIUS POINT SUMMARY			
PNT	NORTHING	EASTING	RADIUS
36	342,923.5125	345,206.8013	5.0'
37	342,916.1379	345,216.5533	5.0'

POINTS ARE TO THE EDGE OF PATHWAY UNLESS OTHERWISE NOTED.

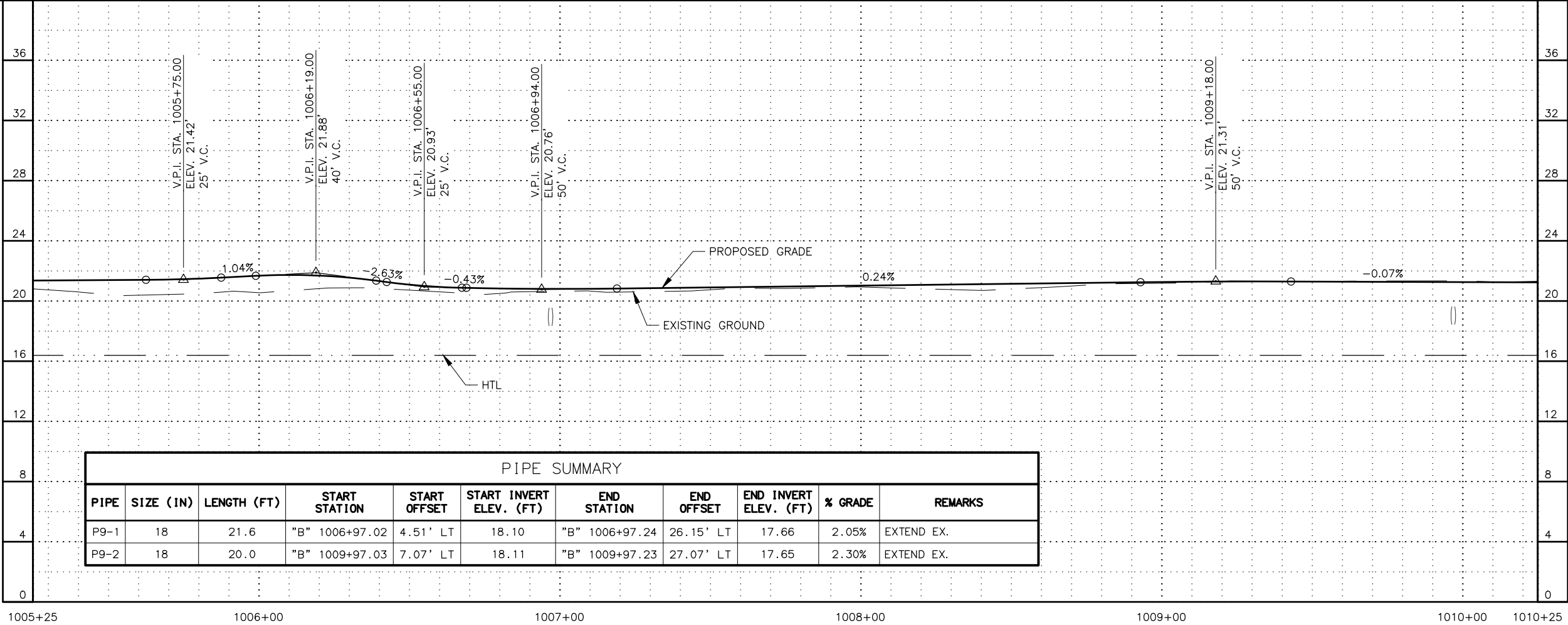
ARRC LEASE TRACT A
WITHIN
ALASKA RAILROAD SHIP CREEK TIDELANDS SUBDIVISION
TRACT B PLAT NO. 2019-45



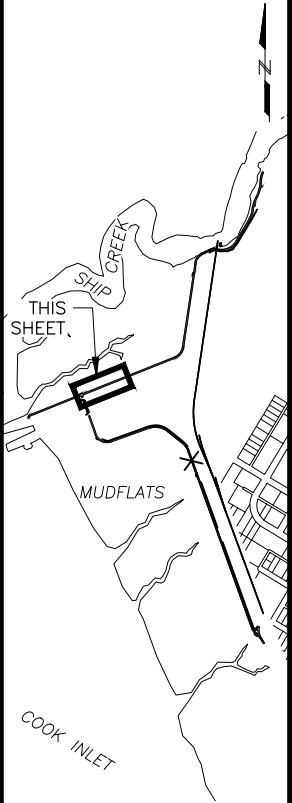
MATCH LINE STATION 1005+25
SEE SHEET F8



MATCH LINE STATION 1010+25
SEE SHEET F10



PIPE SUMMARY										
PIPE	SIZE (IN)	LENGTH (FT)	START STATION	START OFFSET	START INVERT ELEV. (FT)	END STATION	END OFFSET	END INVERT ELEV. (FT)	% GRADE	REMARKS
P9-1	18	21.6	"B" 1006+97.02	4.51' LT	18.10	"B" 1006+97.24	26.15' LT	17.66	2.05%	EXTEND EX.
P9-2	18	20.0	"B" 1009+97.03	7.07' LT	18.11	"B" 1009+97.23	27.07' LT	17.65	2.30%	EXTEND EX.



SHEET NO.	TOTAL SHEETS
F9	F15
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION	
0001662/ CFHWY00586	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

**PS&E
Submittal
4/10/25**

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

AMATS: DOWNTOWN
TRAIL CONNECTION

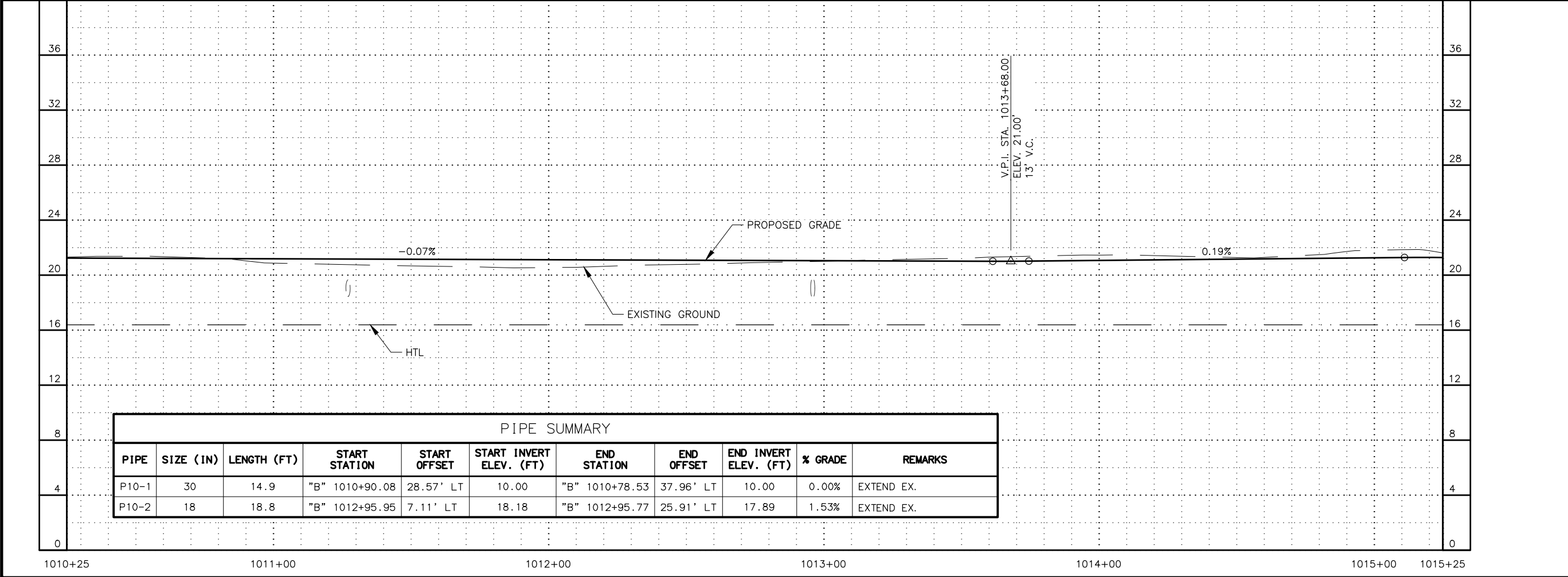
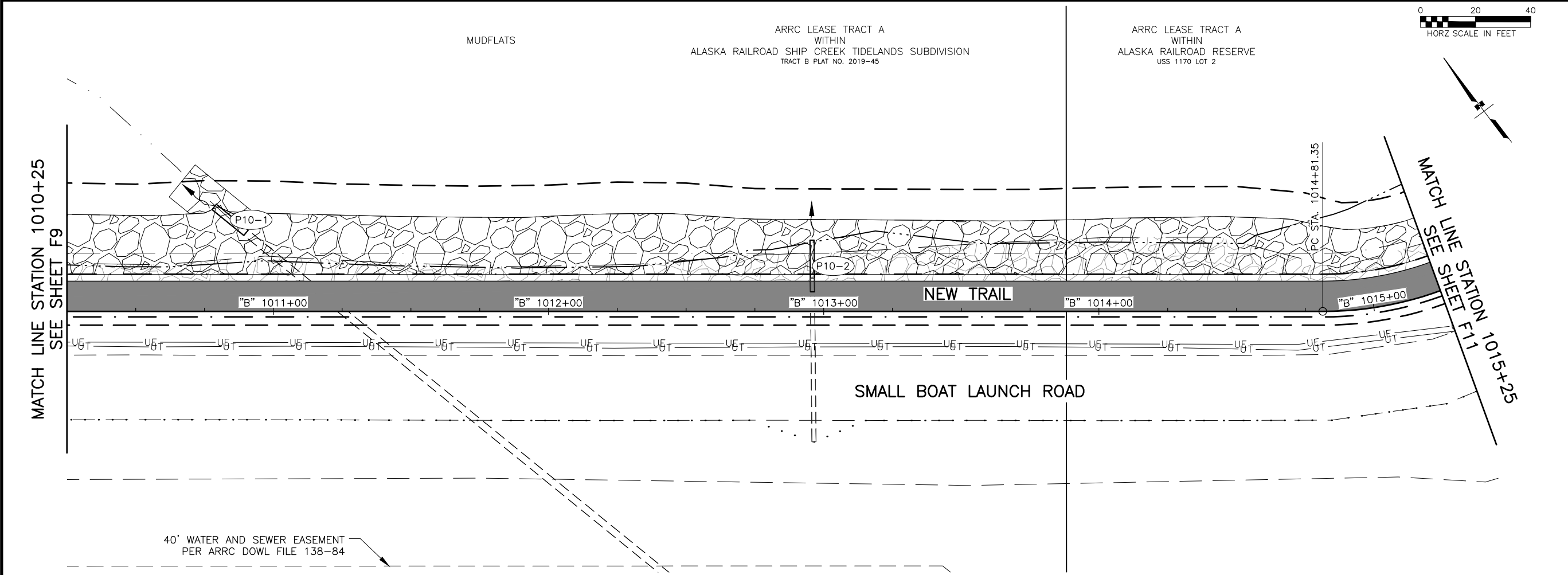
STA 1005+25 TO
STA 1010+25
PLAN & PROFILE

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SHEET NO.
F10

TOTAL SHEETS
F15

STATE
ALASKA

YEAR
2025

PROJECT DESIGNATION

**0001662/
CFHWY00586**

NO.

DATE

NO.

DATE

NO.

DATE

REVISION

REVISION

REVISION

THIS SHEET

MUDFLATS

SHIP CREEK

COOK INLET

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Submittal
4/10/25**

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AMATS: DOWNTOWN
TRAIL CONNECTION

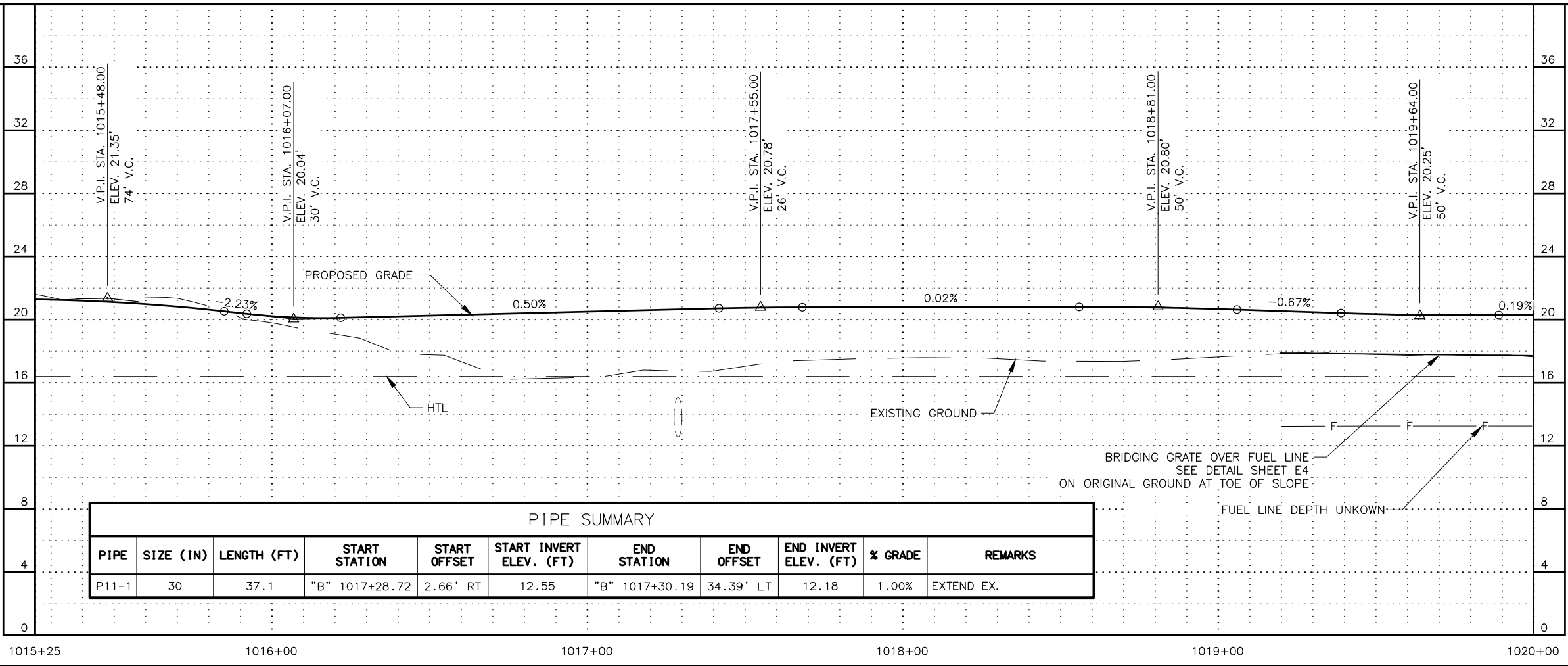
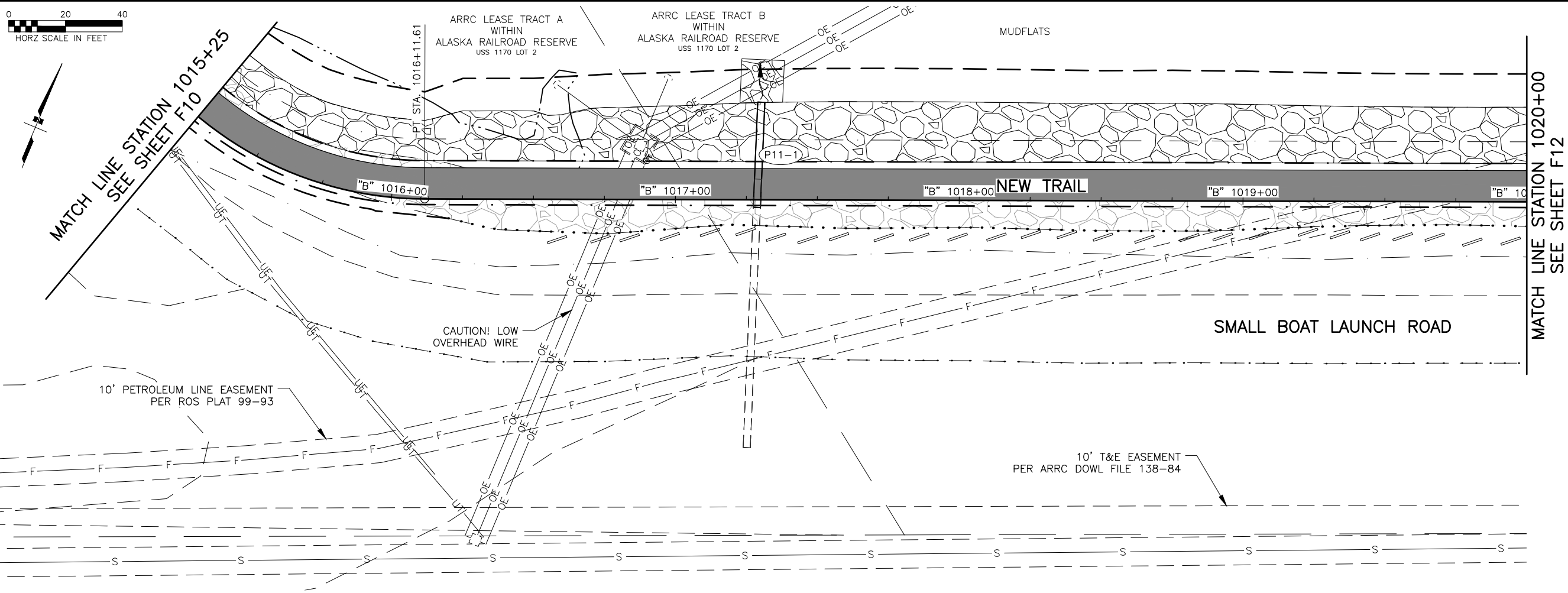
**STA 1010+25 TO
STA 1015+25
PLAN & PROFILE**

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SHEET NO.
F11

TOTAL SHEETS
F15

STATE
ALASKA

YEAR
2025

PROJECT DESIGNATION
**0001662/
CFHWY00586**

NO.

REVISION

DATE

NO.

REVISION

DATE

NO.

REVISION

DATE

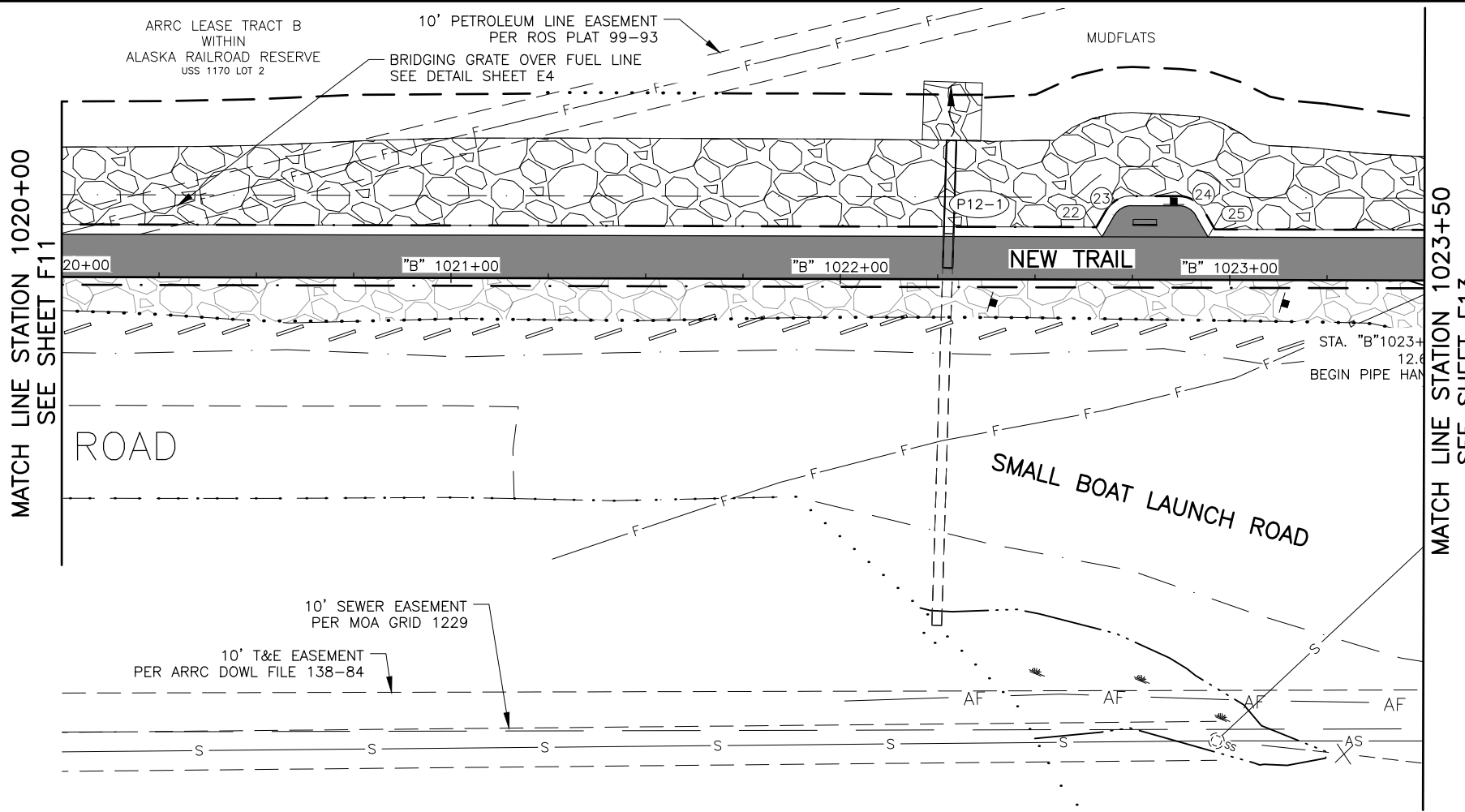
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AMATS: DOWNTOWN
TRAIL CONNECTION

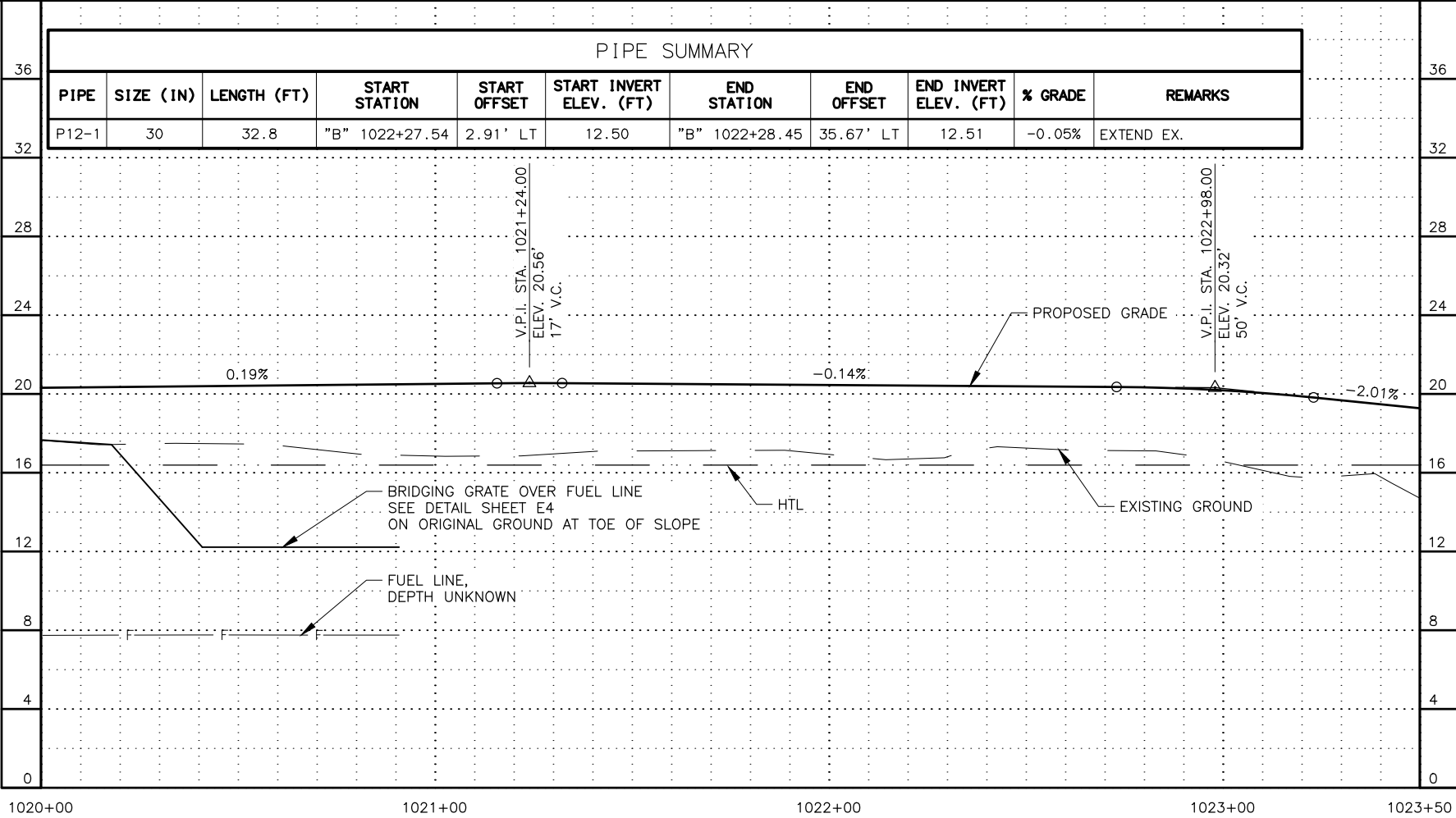
**STA 1015+25 TO
STA 1020+00
PLAN & PROFILE**



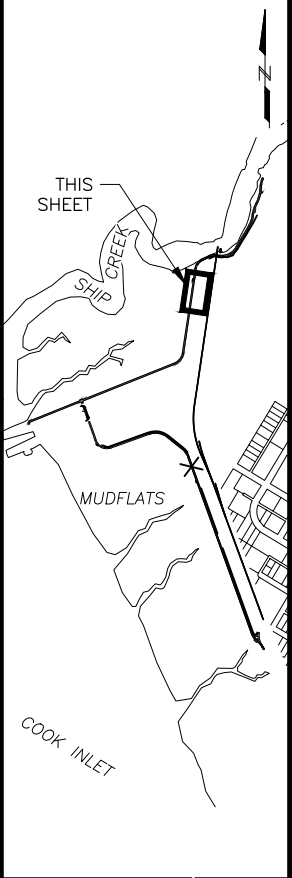
LAYOUT POINT SUMMARY				
PNT	NORTHING	EASTING	ELEV	REMARKS
22	342,606.5036	346,653.1374	20.20	P1
25	342,616.9751	346,678.2817	20.07	P1

RADIUS POINT SUMMARY			
PNT	NORTHING	EASTING	RADIUS
23	342,612.1586	346,658.9128	5.0'
24	342,616.8590	346,670.1996	5.0'

POINTS ARE TO THE EDGE OF PATHWAY UNLESS OTHERWISE NOTED.



SHEET NO.	TOTAL SHEETS
F12	F15
STATE	YEAR
ALASKA	2025
PROJECT DESIGNATION	
0001662/ CFHWY00586	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



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4/10/25

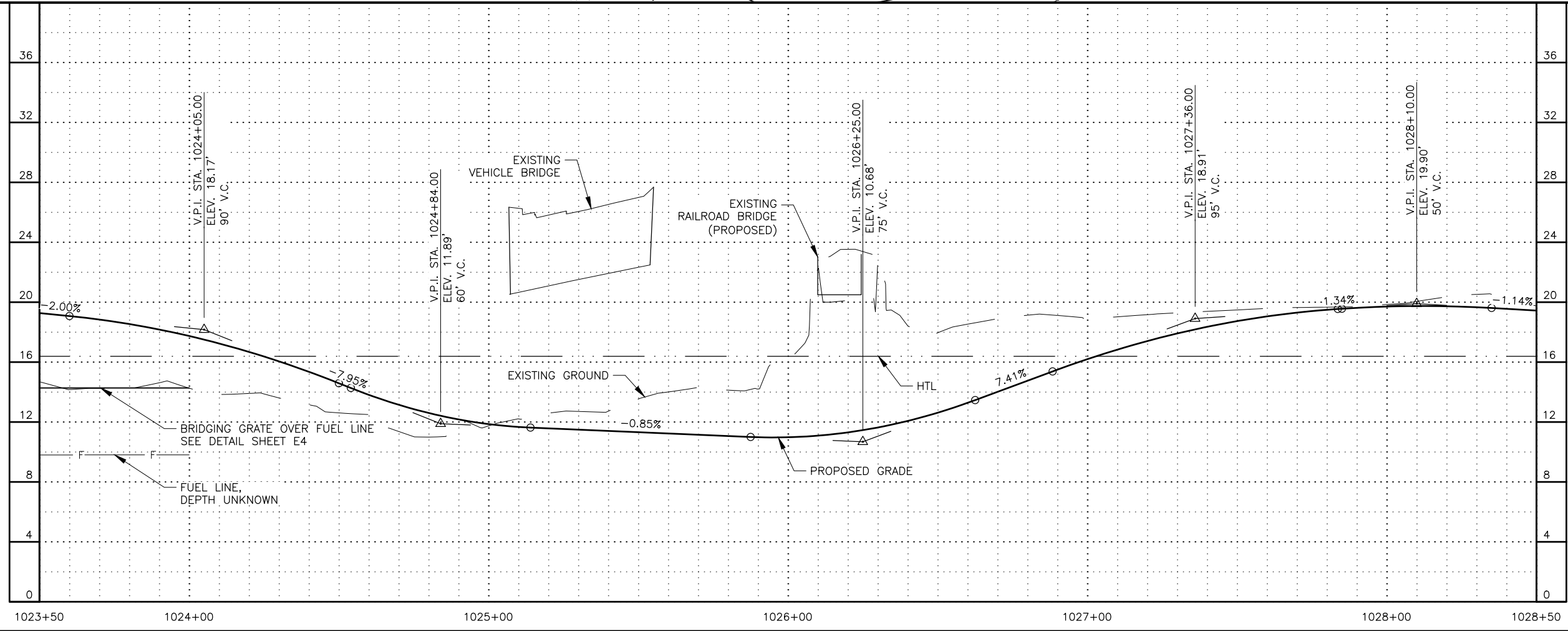
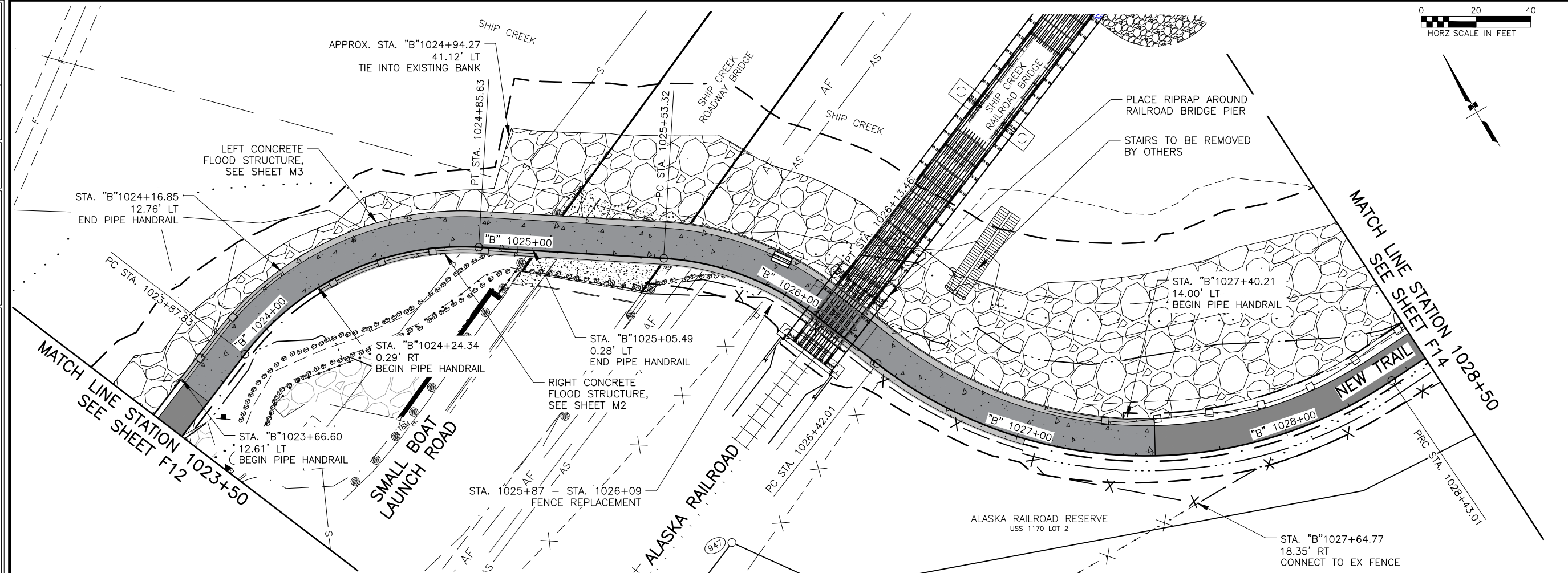
PLANS DEVELOPED BY:
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ANCHORAGE, AK 99503
(907) 346-2373
CERT. OF AUTH. NO. AECL 1102

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

AMATS: DOWNTOWN
TRAIL CONNECTION

STA 1020+00 TO
STA 1023+50
PLAN & PROFILE

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SHEET NO.	TOTAL SHEETS
F13	F15
STATE	YEAR
ALASKA	2025
PROJECT DESIGNATION	
0001662/ CFHWY00586	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

AMATS: DOWNTOWN
TRAIL CONNECTION

**STA 1023+50 TO
STA 1028+50
PLAN & PROFILE**

DESIGNED BY: _____
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SCALE: _____
X" = XX'
DATE: 4/10/2025 TIME: 1:10 PM
DRAWING LOCATION: Z:\PROJECTS\00645-DOWNTOWN TRAIL CONNECTION\DWGS\CSHEETS\00586_F1-F15_PLAN-PROFILE.DWG

ALASKA RAILROAD RESERVE
USS 1170 LOT 2

LAYOUT POINT SUMMARY

PNT	NORTHING	EASTING	ELEV	REMARKS
26	342,459.9376	347,473.1778	19.00	PI
29	342,467.6685	347,499.7576	19.00	PI

RADIUS POINT SUMMARY

PNT	NORTHING	EASTING	RADIUS
27	342,459.4178	347,481.2247	5.0'
28	342,462.9139	347,493.2448	5.0'

POINTS ARE TO THE EDGE OF PATHWAY UNLESS OTHERWISE NOTED.



MATCH LINE STATION 1028+50
SEE SHEET F13

MATCH LINE STATION 1033+25
SEE SHEET F15

SHIP CREEK CROSSING
SUBDIVISION
TRACT B PLAT NO. 96-80

20' STORM DRAIN EASEMENT

STA. "B"1030+25.68
14.00' LT
END PEDESTRIAN BARRIER

PC STA. 1031+02.01

STA. "B"1031+72.47
33.01' RT
END FENCE REPLACEMENT

SHIP CREEK CROSSING
SUBDIVISION
LOT 2 PLAT NO. 96-80

SHIP CREEK TRAIL

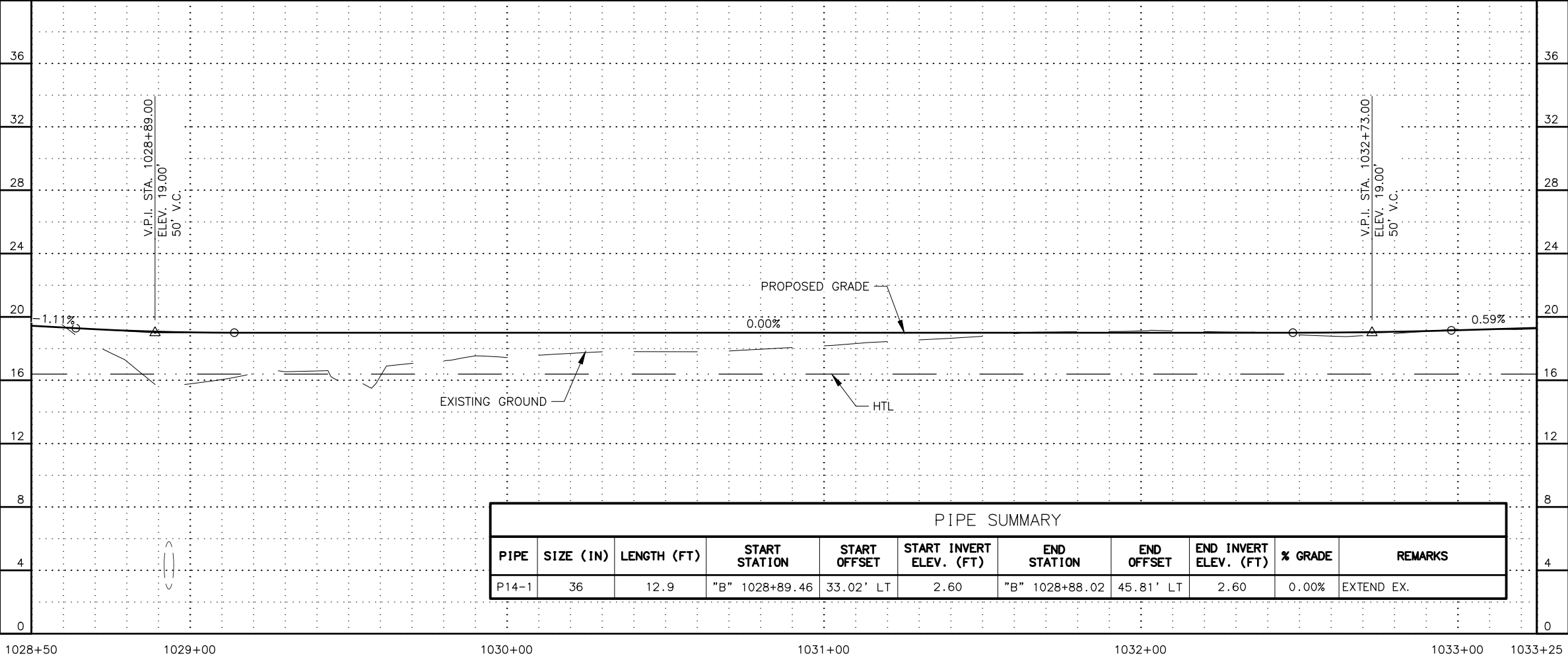
"B" 1029+00

"B" 1030+00

"B" 1031+00

"B" 1032+00

"B" 1033+00



PIPE SUMMARY

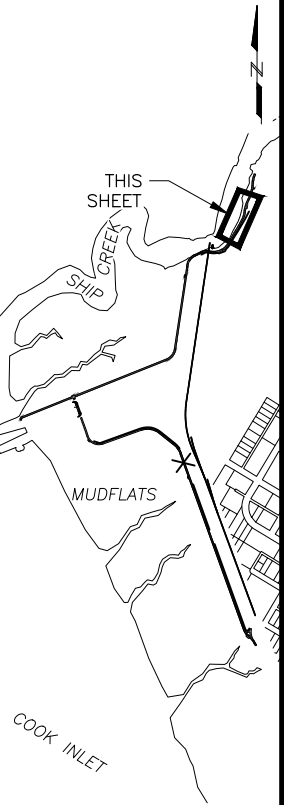
PIPE	SIZE (IN)	LENGTH (FT)	START STATION	START OFFSET	START INVERT ELEV. (FT)	END STATION	END OFFSET	END INVERT ELEV. (FT)	% GRADE	REMARKS
P14-1	36	12.9	"B" 1028+89.46	33.02' LT	2.60	"B" 1028+88.02	45.81' LT	2.60	0.00%	EXTEND EX.

SHEET NO.	TOTAL SHEETS
F14	F15
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION

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CFHWY00586

NO.	REVISION



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4/10/25

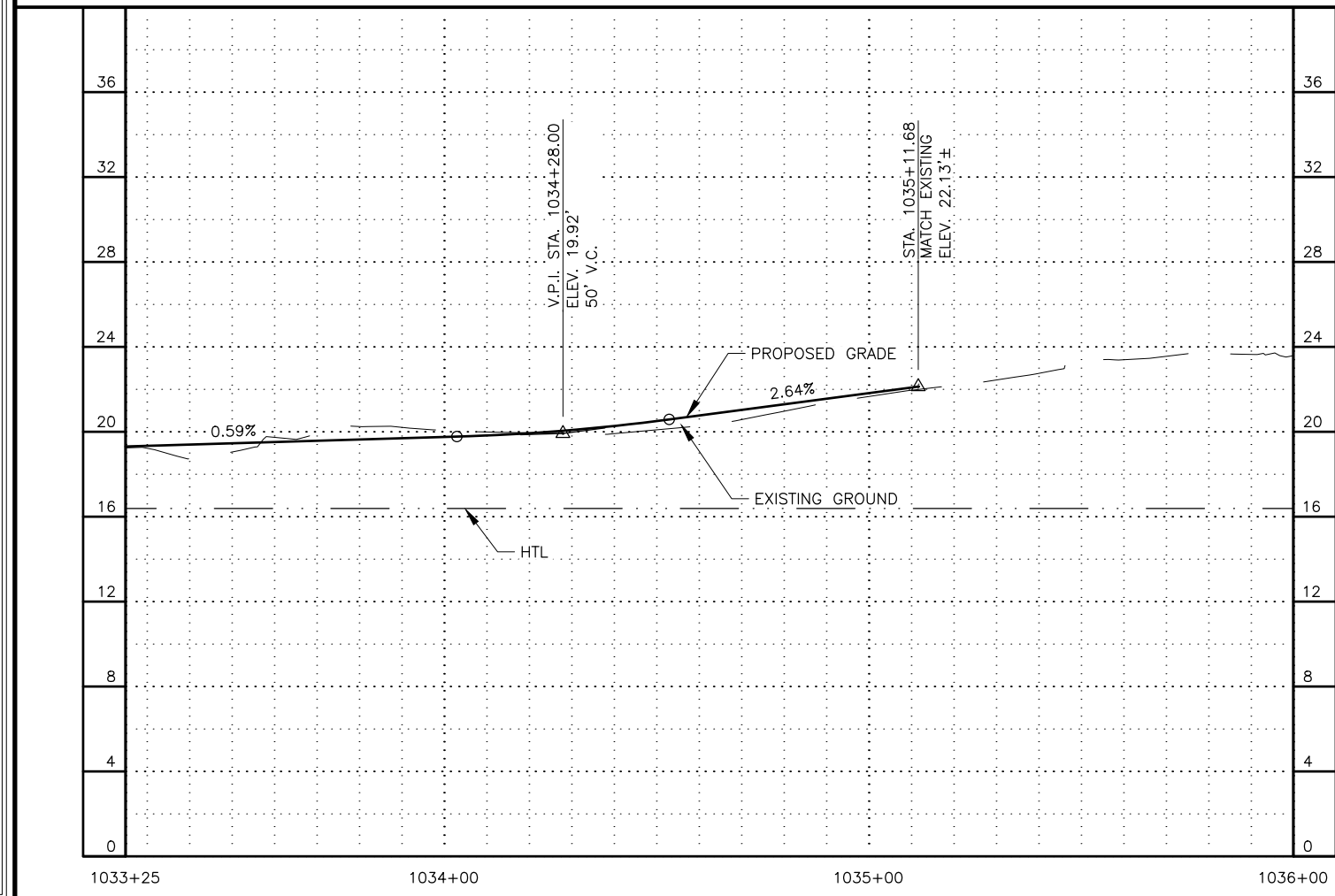
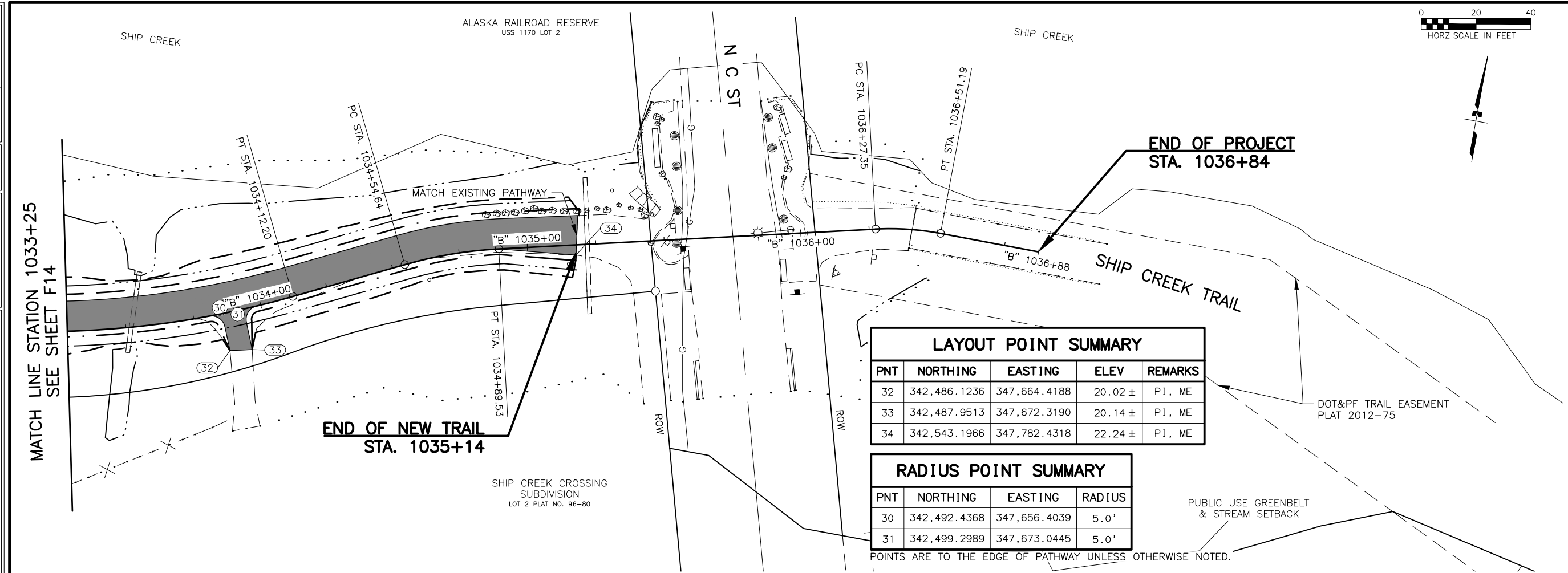
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

AMATS: DOWNTOWN
TRAIL CONNECTION

STA 1028+50 TO
STA 1033+25
PLAN & PROFILE

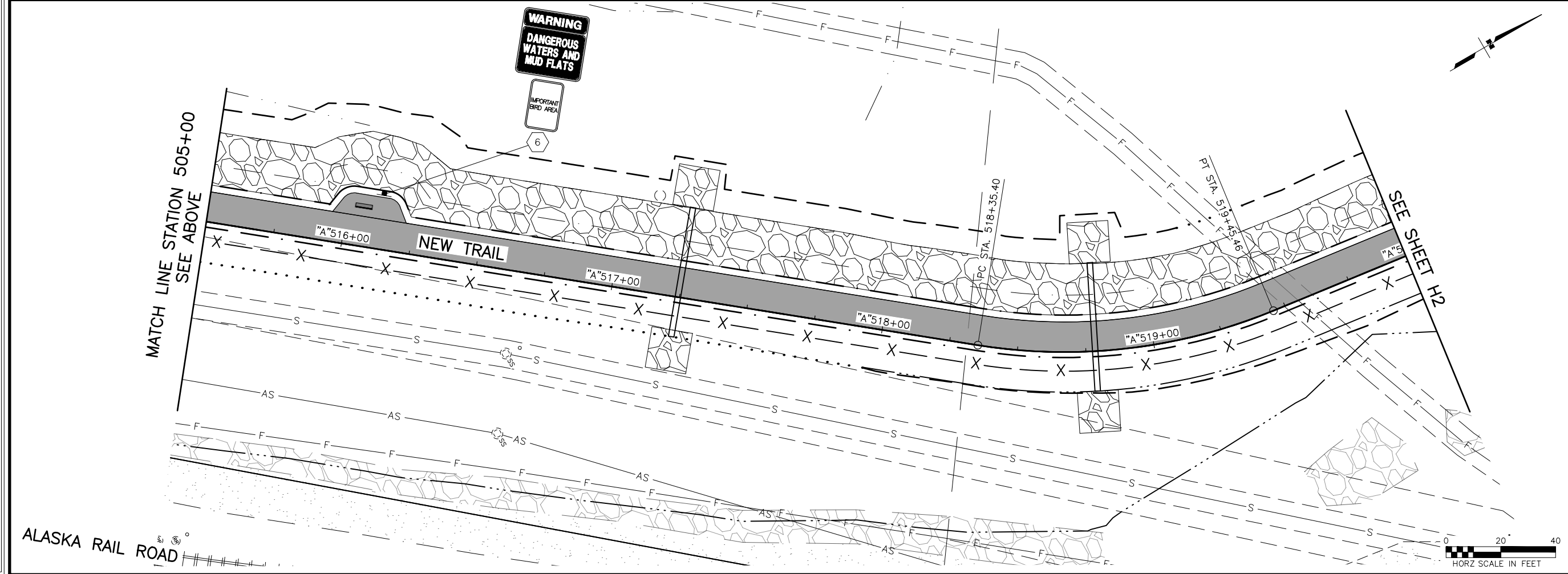
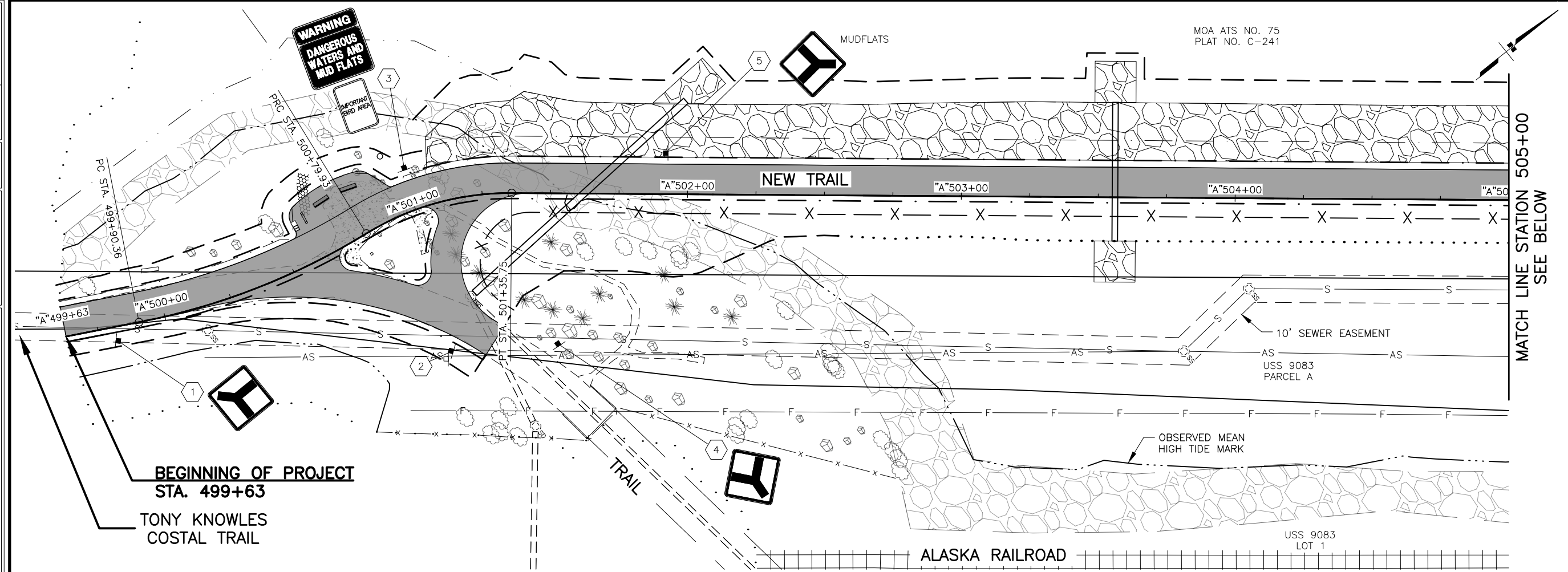
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SHEET NO.		TOTAL SHEETS	
F15		F15	
STATE		YEAR	
ALASKA		2025	
PROJECT DESIGNATION			
0001662/ CFHWY00586			
NO.		REVISION	
DATE			
NO.		REVISION	
DATE			
NO.		REVISION	
DATE			
PS&E Submittal 4/10/25 PLANS DEVELOPED BY: KINNEY ENGINEERING, LLC 3909 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 AMATS: DOWNTOWN TRAIL CONNECTION STA 1033+25 TO EOP PLAN & PROFILE			

DRAWING LOCATION: Z:\PROJECTS\00645-DOWNTOWN TRAIL CONNECTION\DWGS\00586-H PLANS.DWG

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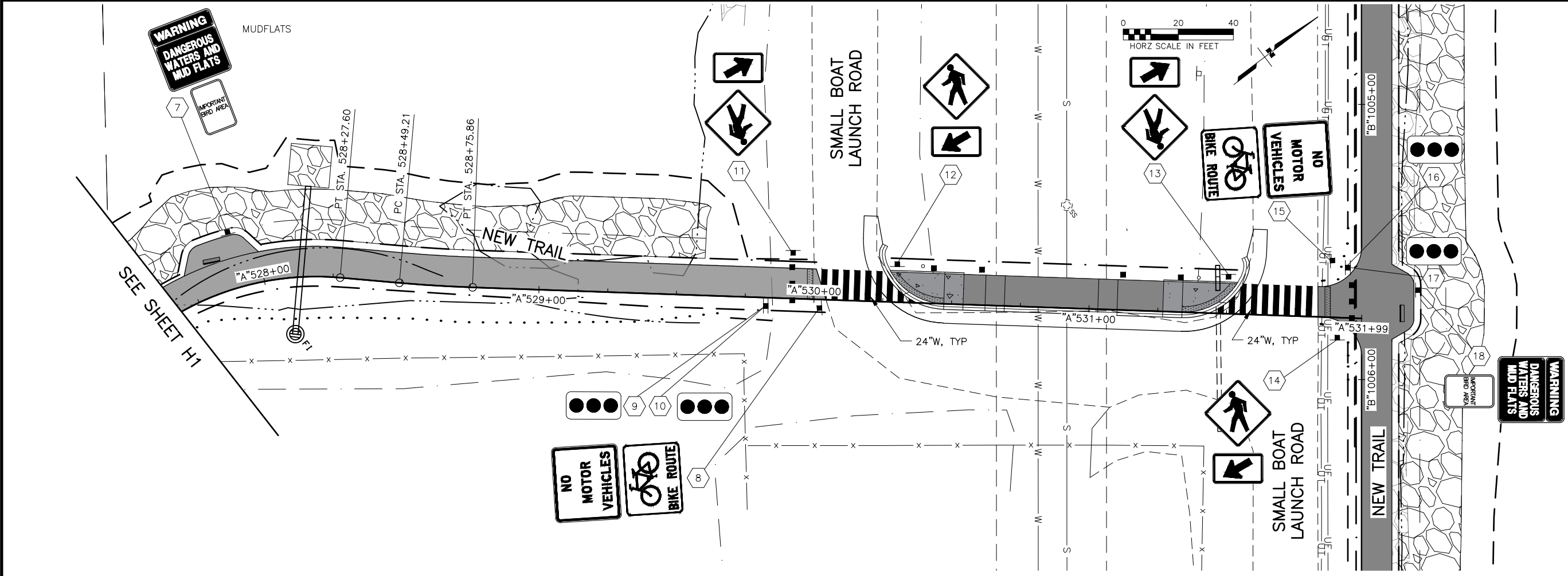
SHEET NO.	TOTAL SHEETS
H1	H10
STATE	YEAR
ALASKA	2025
PROJECT DESIGNATION	
0001662/ CFHWY00586	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

PS&E
Submittal
4/10/25

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

AMATS: DOWNTOWN
TRAIL CONNECTION
SIGNING, STRIPING,
& ILLUMINATION
PLANS



SHEET NO. H2		TOTAL SHEETS H10	
STATE ALASKA		YEAR 2025	
PROJECT DESIGNATION 0001662/ CFHWY00586			
NO.	REVISION		
DATE			
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DATE			
NO.	REVISION		
DATE			

THIS SHEET

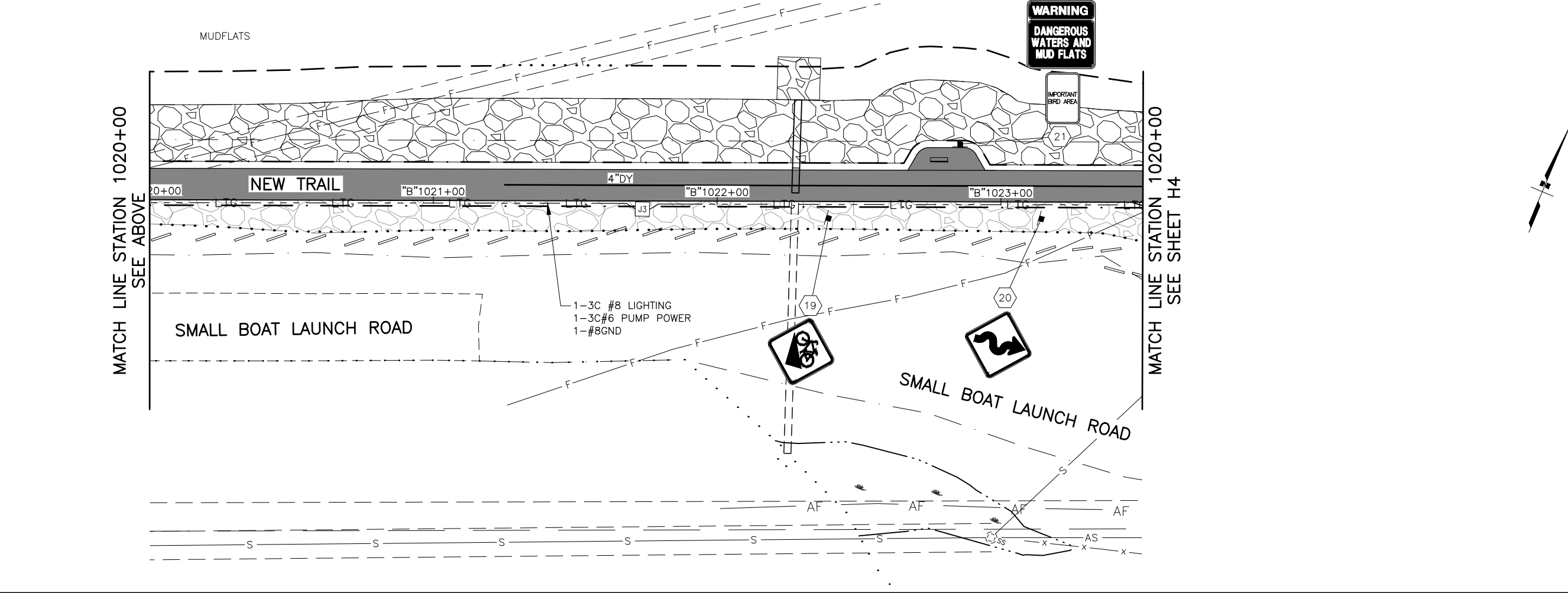
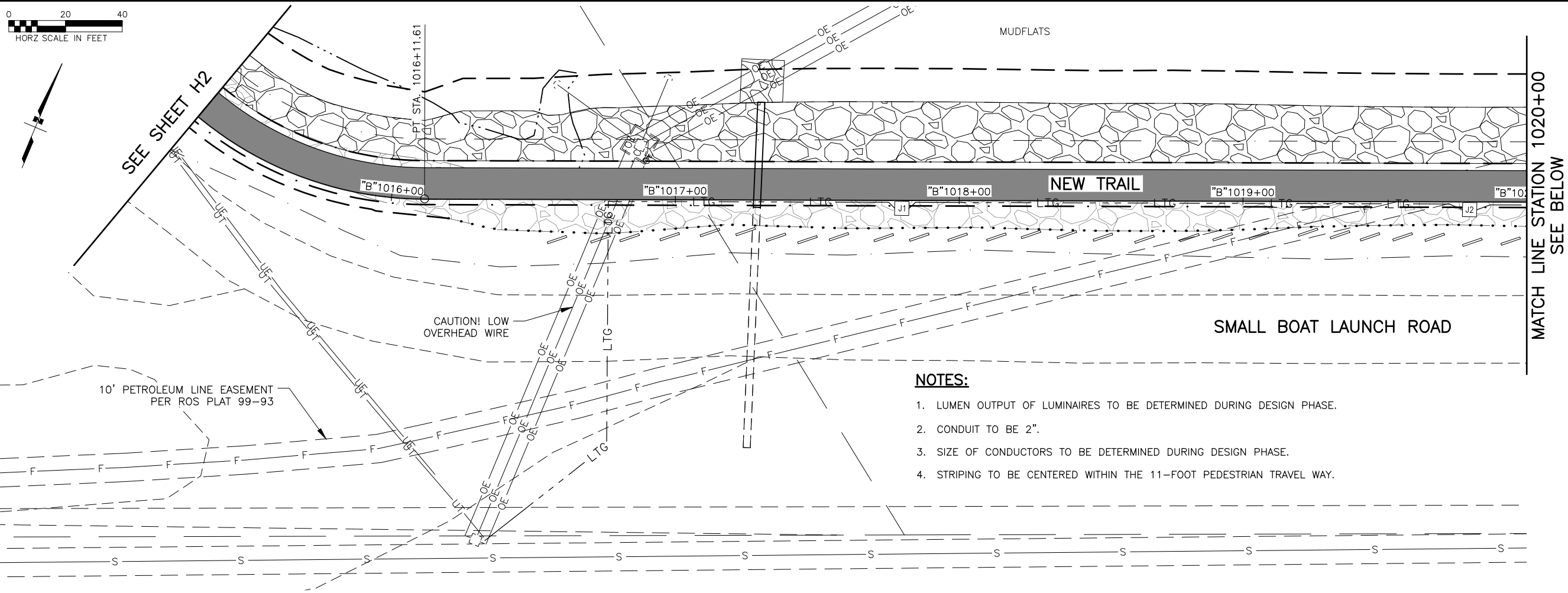
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4/10/25

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3909 Arctic Blvd, Suite 400
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(907) 346-2373
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
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AMATS: DOWNTOWN
TRAIL CONNECTION

**SIGNING, STRIPING,
& ILLUMINATION
PLANS**



SHEET NO.	TOTAL SHEETS
H3	H10
STATE	YEAR
ALASKA	2025
PROJECT DESIGNATION	
0001662/ CFHWY00586	
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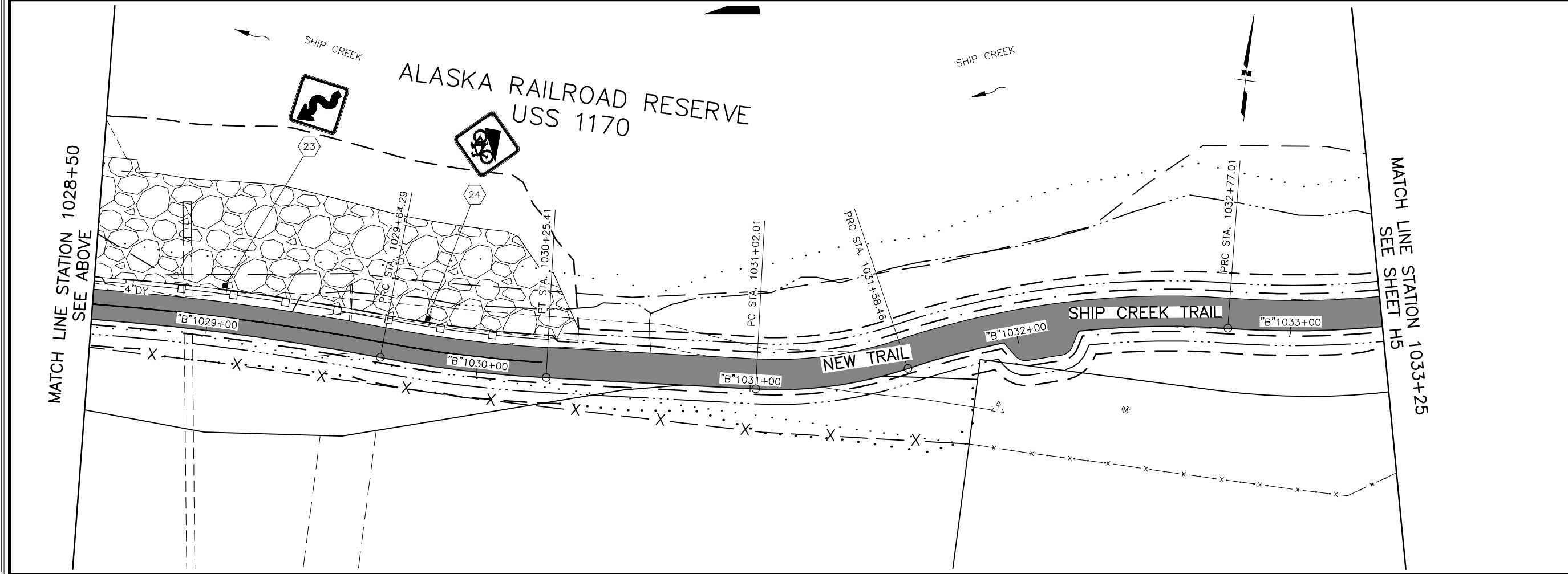
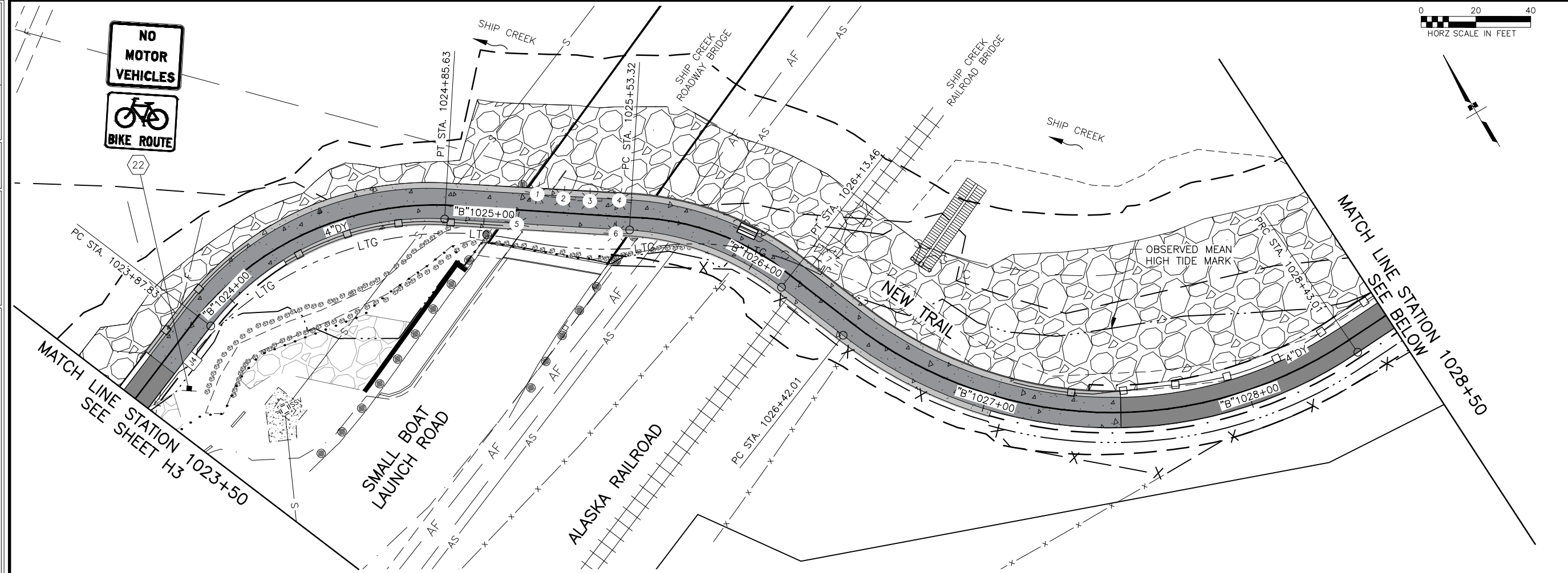
AMATS: DOWNTOWN
TRAIL CONNECTION

SIGNING, STRIPING,
& ILLUMINATION
PLANS

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SHEET NO.	TOTAL SHEETS
H4	H10
STATE	YEAR
ALASKA	2025
PROJECT DESIGNATION	
0001662/ CFHWY00586	
NO.	REVISION
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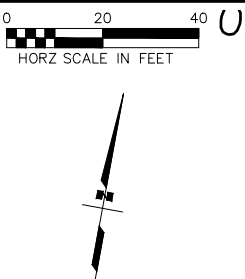
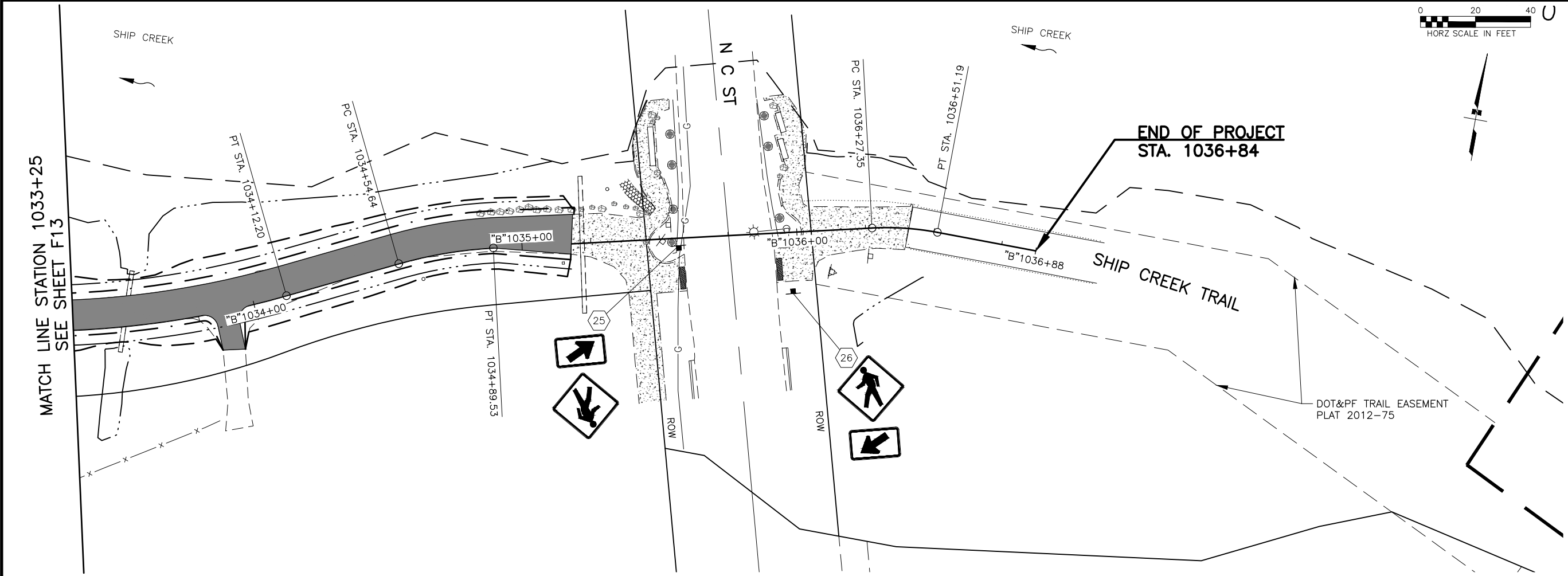
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TRAIL CONNECTION

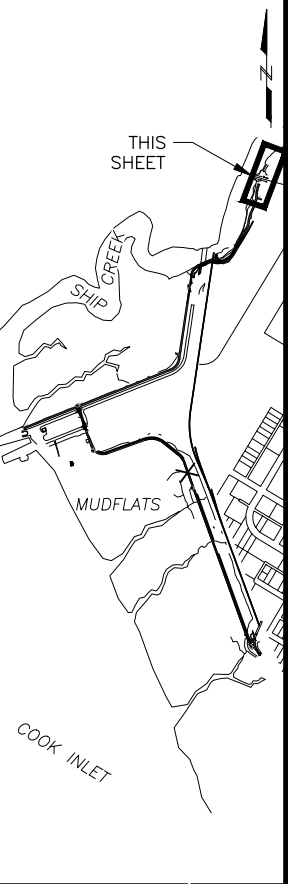
**SIGNING, STRIPING,
& ILLUMINATION
PLANS**



SHEET NO.	TOTAL SHEETS
H5	H10
STATE	YEAR
ALASKA	2025

PROJECT DESIGNATION
**0001662/
CFHWY00586**

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



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AMATS: DOWNTOWN
TRAIL CONNECTION

**SIGNING, STRIPING,
& ILLUMINATION
PLANS**

DESIGN
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DESIGNED BY
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DRAFTED BY

SCALE
SCALE

DATE
4/10/2025

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DRAWING LOCATION
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001662/CFHWY00586	2025	H6	H10

NEW

LOAD CENTER SUMMARY

LOAD CENTER: "LC"TYPE: 1A

UTILITY SOURCE: 25 KVA POLE MOUNT XFMR util METER #x

LOCATION: SMALL BOAT HARBOR RD

SERVICE: 100 AMP, 120/240 VOLT, 1-PHASE, 3-WIRE

REMARKS:

MAX. AVAILABLE FAULT CURRENT: x AMP

MAIN BREAKER:100 AMP, 2-POLE, 120/240 VOLT

INTERRUPTING RATING: 10,000 AMP

AUXILIARY EQUIPMENT SUMMARY

(D) = REMOVE, (N) = ADD NEW, (R) = REPLACE/REPAIR AS NOTED

DESCRIPTION	VOLT	POLES	AMP	REMARKS
SURGE ARRESTOR	240	2		
SELECTOR SWITCH, AUTO-ON-OFF (2-POS)	240	1	10	
LIGHTING CONTROL CONTACTOR	240	10	30	MAGNETICALLY LATCHED TYPE

PANEL 'A' SCHEDULE120/240 VOLT, 1-PHASE, 3-WIRE, 100A MLO

INTERRUPTING RATING: 10,000 AMP

CKT. NO.	DESCRIPTION	CKT. BKR.	KVA	KVA / LEG	A	B	CKT NO.	DESCRIPTION	CKT. BKR.	KVA
1	TUNNEL LTG (7 LUMS)	(LC-1)	20A/2P	0.5	0.6		2	LIGHTING CONTROL	15A/1P	0.1
3				0.5		1.0	4	CABINET HEATER	15A/1P	0.5
5	SPARE	(x-2)	20A/2P	0.0	0.3		6	PUMP	(LC-2)	20A/2P
7				0.0		0.3	8	1 HP		0.3
9	SPARE	(x-3)	20A/2P	0.0	0.0		10	SPARE	20A/2P	0.0
11				0.0		0.0	12			0.0
13	SPARE		20A/2P	0.0	0.0		14	SPARE	20A/2P	0.0
15				0.0		0.0	16			0.0

SERVICE LOAD:

CONNECTED: 0.81.22.0 KVA8 AMP

DEMAND: 1.0193751.5193752.5 KVA11 AMP

NOTES:

LUM = LUMINAIRE

* X

** X

*** X

LOAD CENTER NOTES:

1. PROVIDE A LOAD CENTER MOUNTED PHOTOCELL AND 6 POLE 30 AMP LIGHTING CONTACTOR.
2. TUNNEL LIGHTS ARE TO BE ON CONTINUOUSLY. BYPASS THE LIGHTING CONTACTOR. CONTACTOR AND PC ARE FOR POSSIBLE FUTURE USE.
3. PROVIDE FAULT CURRENT LABEL ON LOAD CENTER DEAD-FRONT: "AVAILABLE FAULT CURRENT = XXXX, CALCULATED ON 4-9-2025." SEE PANEL SCHEDULES FOR FAULT CURRENT VALUES.
4. CALCULATED FAULT CURRENT IS BASED ON LOAD CENTER BEING SERVED FROM A 25KVA UTILITY TRANSFORMER PER GRID MAPS. FIELD VERIFY CONDITIONS AND NOTIFY ENGINEER IF DIFFERENT.

LOAD CENTER ARC-FLASH SCHEDULES				
DEVICE	VOLTAGE	WORKING DISTANCE	ARC-FLASH BOUNDARY DISTANCE	INCIDENT ENERGY
				@ MAX ARCING CURRENT (CAL/CM²)
LC "A"	480V	36"	5'-1"	2.81
LC "F"	480V	36"	5'-1"	2.81
LC "B"	240V	19"	5'-0"	7.46
LC "G"	240V	19"	5'-0"	7.46

LOAD CENTER ARC FLASH NOTES:

1. UTILITY TRANSFORMER IS ASSUMED TO BE 25KVA, FED BY 50' OF #2 AL CONDUCTOR. ADJUST CALCULATION IF FIELD CONDITIONS ARE OTHERWISE.
2. ARC FLASH PPE REQUIREMENTS: PPE 1.
3. PROVIDE ARC FLASH WARNING LABEL AS PER NFPA 2018 70E 130.5 ARC FLASH RISK ASSESMENT (H) (3) INDICATING EITHER 3.1 OR 3.2 BUT NOT BOTH,

3.1. INCIDENT ENERGY AND CORRESPONDING WORKING DISTANCE.

3.2. THE REQUIRED PPE.
4. CALCULATED 4-9-25.

LIGHTING NOTE:

PROVIDE LED 4' STRIP LUMINAIRES WITH 10,000 LUMEN OUTPUT, COLOR TEMP OF 3000K. LUMINAIRES SHALL BE VANDAL RESISTANT AND WET LOCATION LISTED.

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4/10/25

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

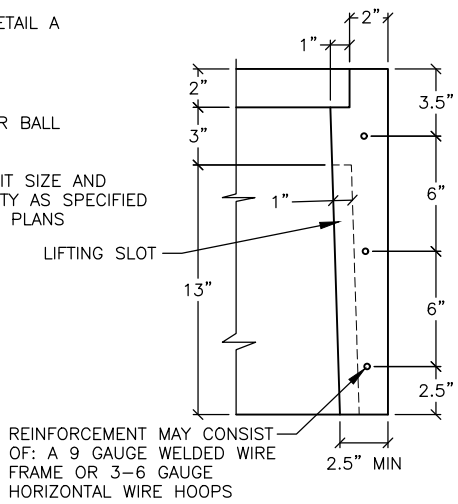
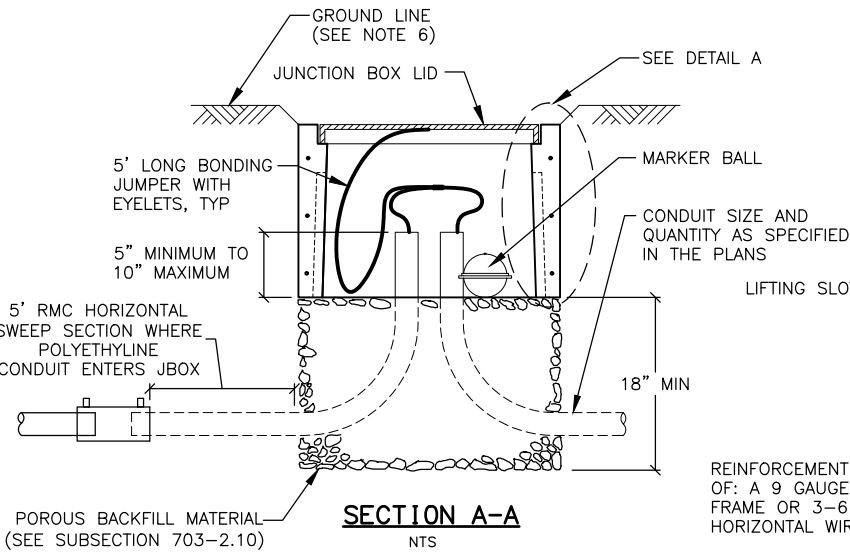
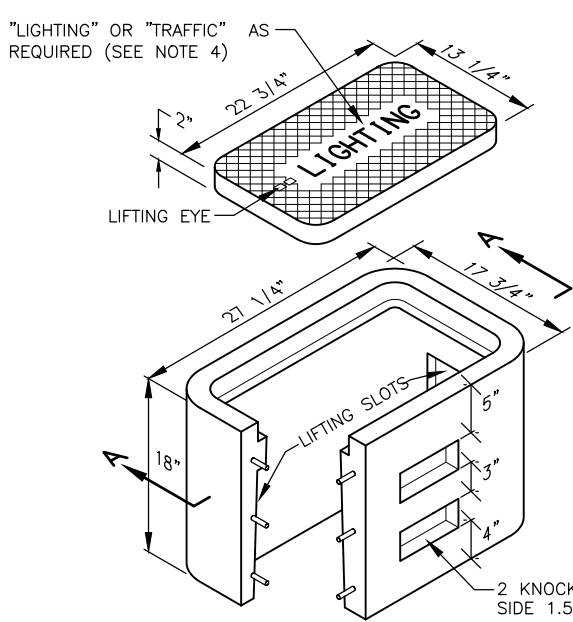
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

AMATS: DOWNTOWN
TRAIL CONNECTION

ELECTRICAL LOAD CENTER
SUMMARY AND SCHEDULES

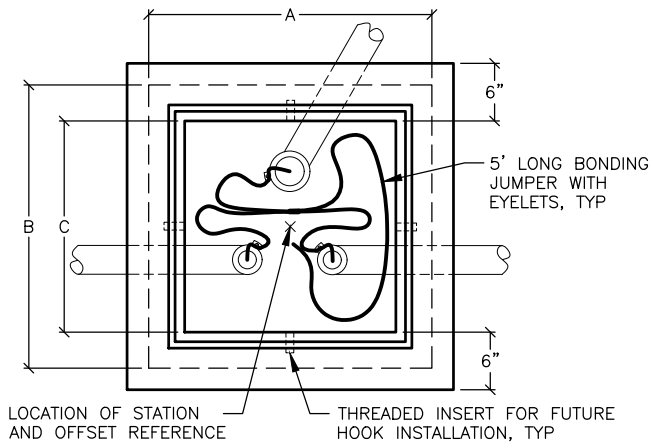
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001662/CFHWY00586	2025	H7	H10

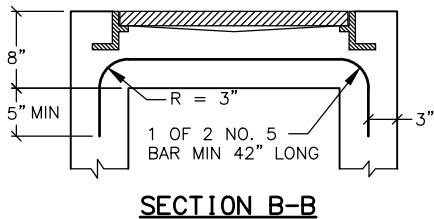


DETAIL A

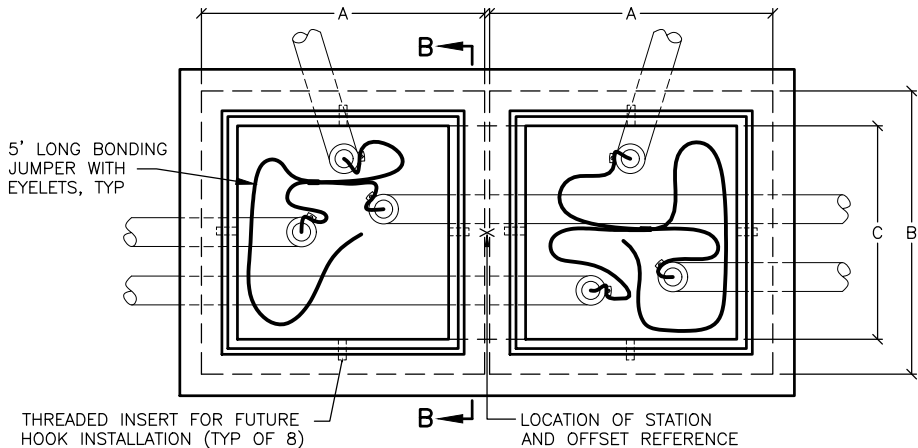
TYPE IA JUNCTION BOX



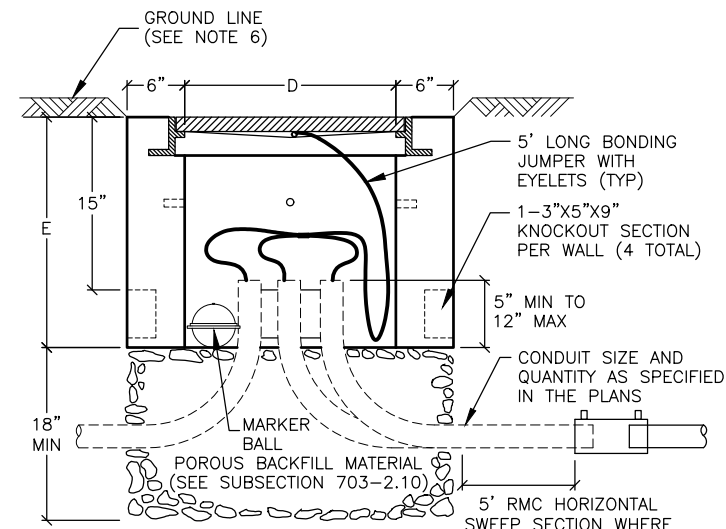
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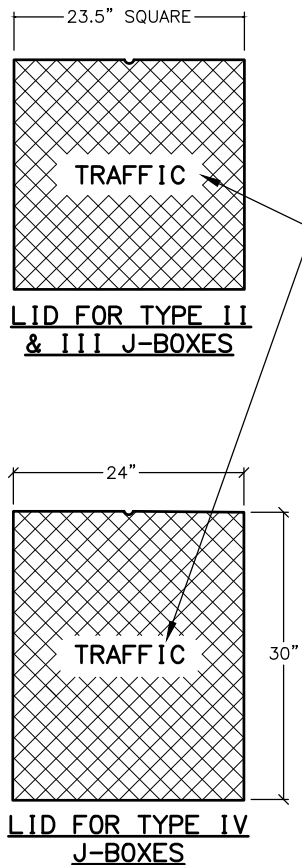
SECTION B-B



PLAN



TYPE II JUNCTION BOX
ELEVATION
NTS



LID FOR TYPE IV
J-BOXES

"LIGHTING" OR "TRAFFIC" AS
REQUIRED (SEE NOTE 4)

"LIGHTING" OR "TRAFFIC" AS
REQUIRED (SEE NOTE 4)

"LIGHTING" OR "TRAFFIC" AS
REQUIRED (SEE NOTE 4)

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REQUIRED (SEE NOTE 4)

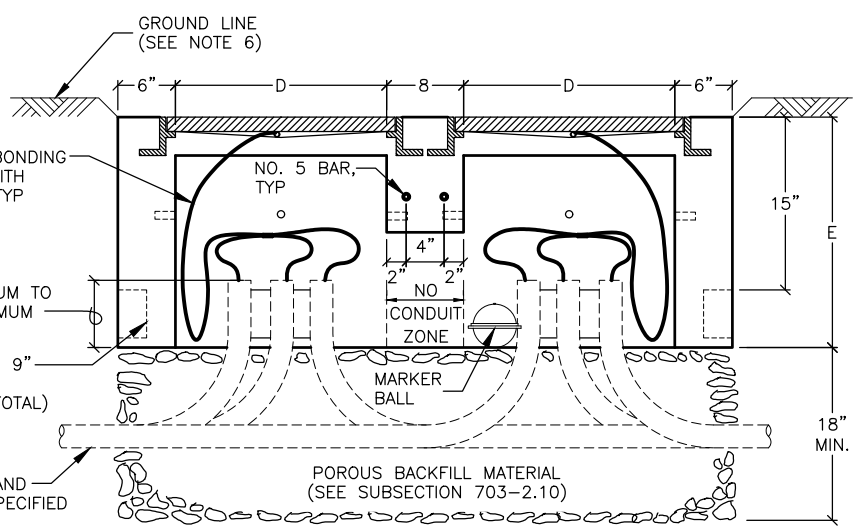
"LIGHTING" OR "TRAFFIC" AS
REQUIRED (SEE NOTE 4)

"LIGHTING" OR "TRAFFIC" AS
REQUIRED (SEE NOTE 4)

"LIGHTING" OR "TRAFFIC" AS
REQUIRED (SEE NOTE 4)

"LIGHTING" OR "TRAFFIC" AS
REQUIRED (SEE NOTE 4)

"LIGHTING" OR "TRAFFIC" AS
REQUIRED (SEE NOTE 4)



TYPE III/IV JUNCTION BOX
ELEVATION (TYPE III LAYOUT DEPICTED)

NOTES:

1. AVOID INSTALLING TYPE IA JUNCTION BOXES IN DRIVEWAYS OR IN LOCATIONS SUBJECT TO USE BY HEAVY TRUCKS. INSTALL JUNCTION BOXES ONLY AT THE LATERAL LOCATIONS ALLOWED IN SUBSECTION 660-3.04.
2. FURNISH TYPE II, III AND IV JUNCTION BOXES WITH CAST IRON FRAMES AND LIDS THAT WEIGH A MINIMUM OF 210 POUNDS AND ARE RATED FOR HEAVY TRAFFIC LOADS IN COMPLIANCE WITH AASHTO M306. FURNISH TYPE IA JUNCTION BOXES WITH CAST IRON LIDS THAT WEIGH A MINIMUM OF 50 POUNDS.
3. CONSTRUCT JUNCTION BOXES ACCORDING TO SECTION 501 USING CLASS A CONCRETE. REINFORCE TYPE IA JUNCTION BOXES AS SHOWN. SYNTHETIC STRUCTURAL FIBER-REINFORCED CONCRETE THAT MEETS ASTM C 1116 AND CONTAINS FIBER IN PROPORTIONS AS RECOMMENDED BY THE FIBER MANUFACTURER MAY BE ADDED FOR STRENGTH.
4. FOR JUNCTION BOXES THAT CONTAIN ILLUMINATION CONDUCTORS EXCLUSIVELY, FURNISH LIDS WITH THE WORD "LIGHTING" INSCRIBED INTO THEM. FOR OTHER JUNCTION BOXES, FURNISH LIDS WITH THE WORD "TRAFFIC" INSCRIBED INTO THEM.
5. UNDER JUNCTION BOXES, INSTALL POROUS BACKFILL MATERIAL CONFORMING TO SUBSECTION 703-2.10.
6. SET THE TOPS OF JUNCTION BOXES WITH THE FOLLOWING DIMENSIONS BELOW THE FINISHED SURROUNDING SURFACE:
1" IN PAVED MEDIANS AND ADJACENT TO PEDESTRIAN FACILITIES
1/4" IN PEDESTRIAN FACILITIES
2" IN ALL OTHER AREAS
7. BOND JUNCTION BOX LIDS TO THE SYSTEM OF EQUIPMENT GROUNDING CONDUCTORS ACCORDING TO SUBSECTION 660-3.06. ATTACH BONDING JUMPERS TO THE JUNCTION BOX LIDS WITH BRASS OR STAINLESS STEEL HARDWARE.
8. INSTALL LOOP DETECTOR TAILS THROUGH ONE OF THE KNOCKOUTS OF TYPE IA JUNCTION BOXES. AFTER SETTING THE BOXES TO GRADE, INSTALL GROUT IN THE GAPS THAT REMAIN IN THE KNOCKOUT.
9. INSTALL A 1/2" THICK PREFORMED BITUMINOUS JOINT MATERIAL AROUND JUNCTION BOXES INSTALLED IN PORTLAND CEMENT CONCRETE WALKWAYS.
10. INSTALL AN ELECTRONIC MARKER BALL IN ALL JUNCTION BOXES PER SUBSECTION 660-3.04.
11. PRIOR TO INSTALLATION MARK ALL JUNCTION BOX LOCATIONS WITH A WIRE STAFF VINYL FLAG. THE FLAG SHALL BE RED IN COLOR AND MINIMUM 4-INCHES TALL BY 5-INCHES WIDE. THE WIRE STAFF SHALL BE 21-INCHES IN LENGTH AND CONSTRUCTED OF MINIMUM 15.5 GAUGE STEEL.
12. WHERE MODIFIED TYPE II JUNCTION BOXES ARE REQUIRED FOR DETECTOR LOOP TAIL INSTALLATIONS, ADD ONE(1) ADDITIONAL 5" DEEP X 3" HIGH X 18" WIDE KNOCKOUT 8" BELOW TOP OF JUNCTION BOX.

J-BOX DIMENSIONS						
J-BOX TYPE	DIMENSIONS					
	A (MAX.)	B (MAX.)	C (MIN.)	D (MIN.)	E (MIN.)	
II	29 1/2"	29 1/2"	22"	22"	24"	
III	29 1/2"	29 1/2"	22"	22"	24"	
IV	30"	36"	30"	24"	30"	

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4/10/25

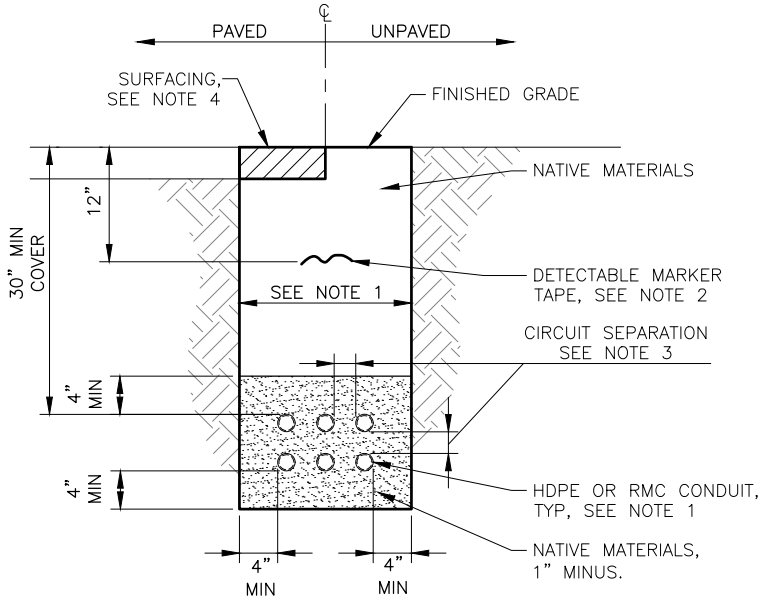
PLANS DEVELOPED BY:
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CERT. OF AUTH. NO. AECL 1102

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

AMATS: DOWNTOWN
TRAIL CONNECTION

JUNCTION BOX DETAILS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001662/CFHWY00586	2025	H8	H10



- NOTES:**
1. PROVIDE TRENCH WIDTH, DEPTH, AND NUMBER OF CONDUITS AS DETERMINED IN FIELD FOR EACH BURIED CIRCUIT LOCATION SHOWN ON PLANS.
 2. PROVIDE BURIED LINE MARKER TAPE COVERAGE TO INCLUDE ONE TAPE FOR UP TO 18" TRENCH WIDTH, TWO TAPES FOR UP TO 30" TRENCH WIDTH, AND THREE TAPES FOR UP TO 42" TRENCH WIDTH.
 3. PROVIDE DUCT SPACERS AT INTERVALS AS REQUIRED TO MAINTAIN CONDUIT SPACING ARRANGEMENT IN TRENCH WITH MINIMUM HORIZONTAL AND VERTICAL SEPARATION BETWEEN ADJACENT BURIED CIRCUITS AS FOLLOWS:
 - CONTROL & BRANCH CIRCUITS (<=30A): 3"
 - FEEDERS & BRANCH CIRCUITS (>30A): 6"
 4. REFER TO CIVIL PLANS FOR SURFACING IN PAVED AREAS; IN OTHER AREAS, MATCH EXISTING SURFACE MATERIALS.

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4/10/25

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

AMATS: DOWNTOWN
TRAIL CONNECTION

ELECTRICAL DETAILS

DRAWING LOCATION		DATE	TIME	DESIGNED BY
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001662/CFHWY00586	2025	H9	H10

SIGN SUMMARY													
SHEET NO.	SIGN NO.	STATION ALIGNMENT	CL REF	TYPE	LEGEND	SIZE (IN)		AREA (SQ FT)	SIGN FACES	POSTS	FRAMED?		REMARKS
						WIDTH	HEIGHT			NO., SIZE, & TYPE	YES	NO	
H1	1	499+81	R	W2X5		18	18	2.25	SW	1-2.5" PT		X	
H1	2	500+90	R	CUSTOM	MOA REMOVE ANIMAL WASTE	12	18	3.00	NE	1-2.5" PT		X	INSTALL 2 SIGNS BACK TO BACK
				D14-101	ADOPT-A-PARK	24	18	3.00	NE			X	
					SKINNY RAVEN	24	12	2.00	NE			X	
H1	3	501+01	L	CUSTOM		24	24	4.00	E	1-2.5" PT		X	
				CUSTOM		12	18	1.50	E			X	
H1	4	501+54	R	W2X5		18	18	2.25	E	1-2.5" PT		X	
H1	5	501+93	L	W2X5		18	18	2.25	NE	1-2.5" PT		X	
H1	6	516+13	L	CUSTOM		24	24	4.00	SE	1-2.5" PT		X	
				CUSTOM		12	18	1.50	SE			X	
H2	7	527+92	L	CUSTOM		24	24	4.00	SE	1-2.5" PT		X	
				CUSTOM		12	18	1.50	SE			X	
H2	8	530+02	R	R5-3		24	24	4.00	NE	1-2.5" PT		X	
				D11-1		24	18	3.00	NE			X	
H2	9	529+82	L	0M2-1V		6	12	0.50	SW	N/A		X	INSTALL ON REMOVEABLE STEEL POST
H2	10	529+82	L	0M2-1V		6	12	0.50	NE	N/A		X	INSTALL ON REMOVEABLE STEEL POST
H2	11	529+92	L	W11-2		30	30	6.25	NW	1-2.5" PT		X	
				W16-7PL		24	12	2.00	NW			X	
H2	12	530+30	L	W11-2		30	30	6.25	SE	1-2.5" PT		X	
				W16-7PL		24	12	2.00	SE			X	
H2	13	531+50	L	W11-2		30	30	6.25	NW	1-2.5" PT		X	
				W16-7PL		24	12	2.00	NW			X	

SIGNING & STRIPING NOTES:

1. ALL STATION LOCATIONS FOR SIGN INSTALLATION ARE APPROXIMATE. INSTALL SIGNS AT LOCATIONS AS DIRECTED BY THE ENGINEER.
2. USE THE FOLLOWING DEFINITIONS TO DECIPHER THE ABBREVIATED SIGN POST TYPES IN THE SIGN SUMMARY SHEETS.
 - A. PT MEANS A PERFORATED STEEL TUBE.
 - B. T MEANS A SQUARE STEEL TUBE.
 - C. P MEANS A ROUND STEEL PIPE.
 - D. W MEANS A WIDE FLANGE BEAM.
 - E. POPL MEANS A POLE PLATE INSTALLED PER ITS ALASKA STANDARD PLAN S-23.00.
3. FABRICATE ALL SIGNS FROM 0.125" THICK ALUMINUM SHEETING, UNLESS STATED ELSEWHERE.
4. FOR PERFORATED STEEL TUBE SIGNPOSTS, INSTALL THE CONCRETE FOUNDATION OPTION SHOWN ON STANDARD PLAN S-30.05. TRIM EACH PT POST TO LIMIT THE LENGTH INSERTED INTO THE FOUNDATION TO 12 INCHES.
5. FABRICATE GUIDE SIGNS ACCORDING TO THE SHOP DRAWINGS INCLUDED IN THE APPENDICES OF PART 4, CONTRACT PROVISIONS AND SPECIAL PROVISIONS. TRIM THE CORNERS OF ALL SIGNS TO THE RADIUS SHOWN ON EACH SHOP DRAWING.
6. ERECT NEW SIGNS BEFORE REMOVAL OF EXISTING SIGNS WITH SIMILAR MESSAGE. NOTIFY THE ENGINEER A MINIMUM OF 14 DAYS PRIOR TO BEGINNING SIGN REMOVAL AND SALVAGE OR DISPOSAL ACTIVITIES.
7. SELECTIVE AND HAND CLEARING SHALL BE PERFORMED AT THE DISCRETION OF THE ENGINEER, IN ACCORDANCE WITH SECTION 201, UPSTREAM OF ALL SIGN INSTALLATION LOCATIONS TO ACHIEVE MINIMUM SIGN VISIBILITY REQUIREMENTS. IF NOT INCLUDED AS A SEPARATE ITEM, THIS WORK SHALL BE SUBSIDIARY TO THE SIGN INSTALLATION ITEMS AND WORK.
8. DIMENSIONS REFER TO THE CENTER OF STRIPE AND THE EDGE OF PAVEMENT.

**PS&E
Submittal
4/10/25**

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CERT. OF AUTH. NO. AECL 1102

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

AMATS: DOWNTOWN TRAIL CONNECTION

SIGN SUMMARIES

SIGN SUMMARY													
SHEET NO.	SIGN NO.	STATION ALIGNMENT	CL REF	TYPE	LEGEND	SIZE (IN)		AREA (SQ FT)	SIGN FACES	POSTS NO., SIZE, & TYPE	FRAMED?		REMARKS
						WIDTH	HEIGHT				YES	NO	
H2	14	531+90	L	W11-2		30	30	6.25	SE	1-2.5" PT		X	
				W16-7PL		24	12	2.00	SE			X	
H2	15	531+88	L	R5-3		24	24	4.00	SW	1-2.5" PT		X	
				D11-1		24	18	3.00	SW			X	
H2	16	531+93	L	OM2-1V		6	12	0.50	SW	N/A		X	INSTALL ON REMOVEABLE STEEL POST
H2	17	531+93	L	OM2-1V		6	12	0.50	NE	N/A		X	INSTALL ON REMOVEABLE STEEL POST
H2	18	1005+68	L	CUSTOM		24	24	4.00	SW	1-2.5" PT		X	
				CUSTOM		12	18	1.50	SW			X	
H3	19	1022+39	R	W7-5		18	18	2.25	SW	1-2.5" PT		X	
H3	20	1023+14	R	W1-5		18	18	2.25	SW	1-2.5" PT		X	
H3	21	1023+13	L	CUSTOM		24	24	4.00	SE	1-2.5" PT		X	
				CUSTOM		12	18	1.50	SE			X	
H4	22	1023+64	R	R5-3		24	24	4.00	SW	1-2.5" PT		X	
				D11-1		24	18	3.00	SW			X	
H4	23	1029+01	L	W1-5		18	18	2.25	E	1-2.5" PT		X	
H4	24	1029+76	L	W7-5		18	18	2.25	E	1-2.5" PT		X	
H5	25	1035+53	R	W11-2		30	30	6.25	NW	1-2.5" PT		X	HIGH VISIBILITY SHEETING
				W16-7PL		24	12	2.00	NW		X	HIGH VISIBILITY SHEETING	
H5	26	1035+94	R	W11-2		30	30	6.25	SE	1-2.5" PT		X	HIGH VISIBILITY SHEETING
				W16-7PL		24	12	2.00	SE			X	HIGH VISIBILITY SHEETING
TOTAL						123.75							

DRAWING LOCATION
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DESIGNED BY
CHECKED BY
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DATE

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001662/CFHWY00586	2025	H10	H10

SALVAGE SIGN SUMMARY					
STATION ALIGNMENT	CL REF	TYPE	LEGEND	SIGN FACE	REMARKS
500+83	R	CUSTOM	MOA REMOVE ANIMAL WASTE	NE	2 SIGNS BACK TO BACK
500+83	R	D14-101	ADOPT-A-PARK	NE	
			SKINNY RAVEN	NE	
501+01	L	CUSTOM	WARNING DANGEROUS WATERS AND MUD FLATS	E	
		CUSTOM	IMPORTANT BIRD AREA	E	
1035+48	R	W11-2	PEDESTRIAN TRAFFIC	NW	
1035+89	R	W16-7PL	LEFT DIAGONAL ARROW	NW	
		W11-2	PEDESTRIAN TRAFFIC	SE	
		W16-7PL	LEFT DIAGONAL ARROW	SE	

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Submittal

4/10/25

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STATE OF ALASKA

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AMATS: DOWNTOWN

TRAIL CONNECTION

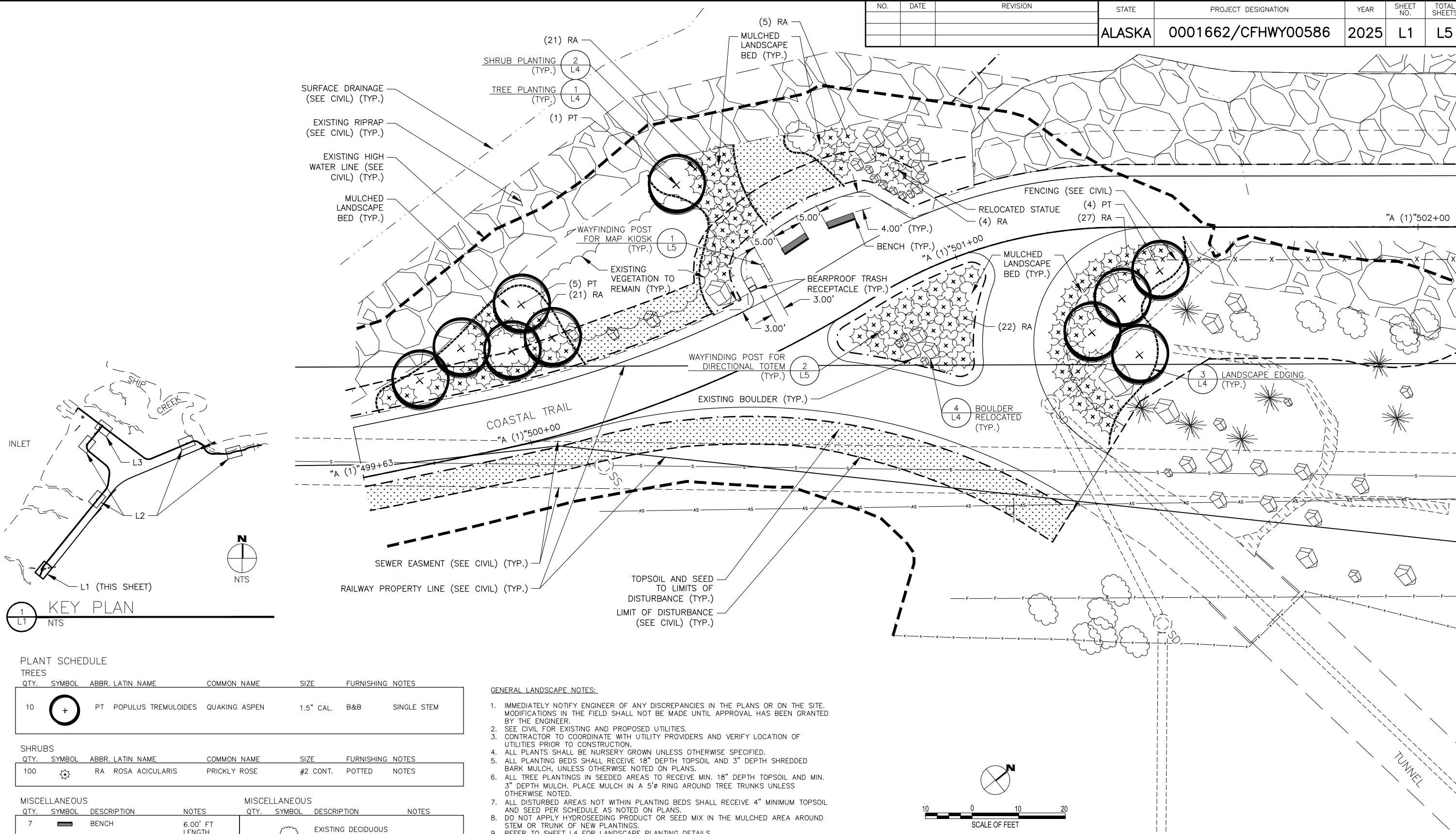
SIGN SUMMARIES

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SCALE

DATE
TIME
4/7/2025 9:07 AM

DRAWING LOCATION
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PLANT SCHEDULE

TREES						
QTY.	SYMBOL	ABBR. LATIN NAME	COMMON NAME	SIZE	FURNISHING NOTES	
10		PT	POPULUS TREMULOIDES	QUAKING ASPEN	1.5" CAL.	B&B SINGLE STEM

SHRUBS						
QTY.	SYMBOL	ABBR. LATIN NAME	COMMON NAME	SIZE	FURNISHING NOTES	
100		RA	ROSA ACICULARIS	PRICKLY ROSE	#2 CONT.	POTTED NOTES

MISCELLANEOUS				MISCELLANEOUS			
QTY.	SYMBOL	DESCRIPTION	NOTES	QTY.	SYMBOL	DESCRIPTION	NOTES
7		BENCH	6.00' FT LENGTH			EXISTING DECIDUOUS TREE	
2		BEARPROOF TRASH RECEPTACLE				EXISTING EVERGREEN TREE	
1		RELOCATED STATUE				EXISTING BOULDER	
2		WAYFINDING SIGN POST FOR MAP KIOSK	2 POSTS EACH				
4		WAYFINDING SIGN POST FOR DIRECTIONAL TOTEM					
20		RELOCATED BOULDER					
		LANDSCAPE EDGING	SHOVEL CUT				
		REVEGETATION SEED MIX	TO LIMITS OF DISTURBANCE (TYP.)				

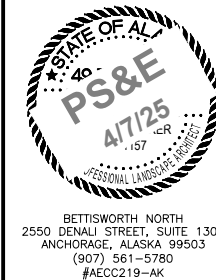
GENERAL LANDSCAPE NOTES:

1. IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES IN THE PLANS OR ON THE SITE. MODIFICATIONS IN THE FIELD SHALL NOT BE MADE UNTIL APPROVAL HAS BEEN GRANTED BY THE ENGINEER.
2. SEE CIVIL FOR EXISTING AND PROPOSED UTILITIES.
3. CONTRACTOR TO COORDINATE WITH UTILITY PROVIDERS AND VERIFY LOCATION OF UTILITIES PRIOR TO CONSTRUCTION.
4. ALL PLANTS SHALL BE NURSERY GROWN UNLESS OTHERWISE SPECIFIED.
5. ALL PLANTING BEDS SHALL RECEIVE 18" DEPTH TOPSOIL AND 3" DEPTH SHREDDED BARK MULCH, UNLESS OTHERWISE NOTED ON PLANS.
6. ALL TREE PLANTINGS IN SEEDER AREAS TO RECEIVE MIN. 18" DEPTH TOPSOIL AND MIN. 3" DEPTH MULCH. PLACE MULCH IN A 5' RING AROUND TREE TRUNKS UNLESS OTHERWISE NOTED.
7. ALL DISTURBED AREAS NOT WITHIN PLANTING BEDS SHALL RECEIVE 4" MINIMUM TOPSOIL AND SEED PER SCHEDULE AS NOTED ON PLANS.
8. DO NOT APPLY HYDROSEEDING PRODUCT OR SEED MIX IN THE MULCHED AREA AROUND STEM OR TRUNK OF NEW PLANTINGS.
9. REFER TO SHEET L4 FOR LANDSCAPE PLANTING DETAILS.
10. BOULDERS SHALL BE PLACED IN RANDOM MIX WITH SIZE RANGE AS NOTED ON PLANS UNLESS OTHERWISE SPECIFIED.
11. ALL NEW TREES SHALL RECEIVE MOOSE PROTECTION FENCING PER DETAIL 5/L4.

LANDSCAPE ABBREVIATIONS:

ABBR.	ABBREVIATION	HT.	HEIGHT
B&B	BALL & BURLAP	MAX.	MAXIMUM
CAL.	CALIPER	MIN.	MINIMUM
C	CENTERLINE	N.I.C.	NOT IN CONTRACT
CONT.	CONTAINER	O.C.	ON CENTER
DIA.	DIAMETER	QTY.	QUANTITY
Ø	DIAMETER	TYP.	TYPICAL

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001662/CFHWY00586	2025	L1	L5

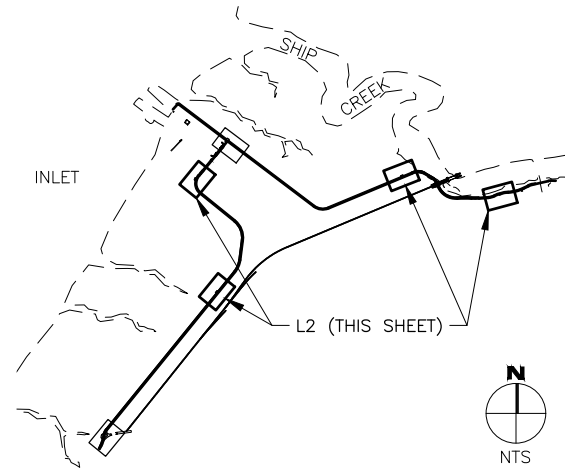


STATE OF ALASKA
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AMATS: DOWNTOWN
TRAIL CONNECTION

LANDSCAPE PLAN

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001662/CFHWY00586	2025	L2	L5



1
L2

KEY PLAN
NTS

LEGEND

TREES			
SYMBOL	ABBR.	LATIN NAME	COMMON NAME
	PT	POPULUS TREMULOIDES	QUAKING ASPEN

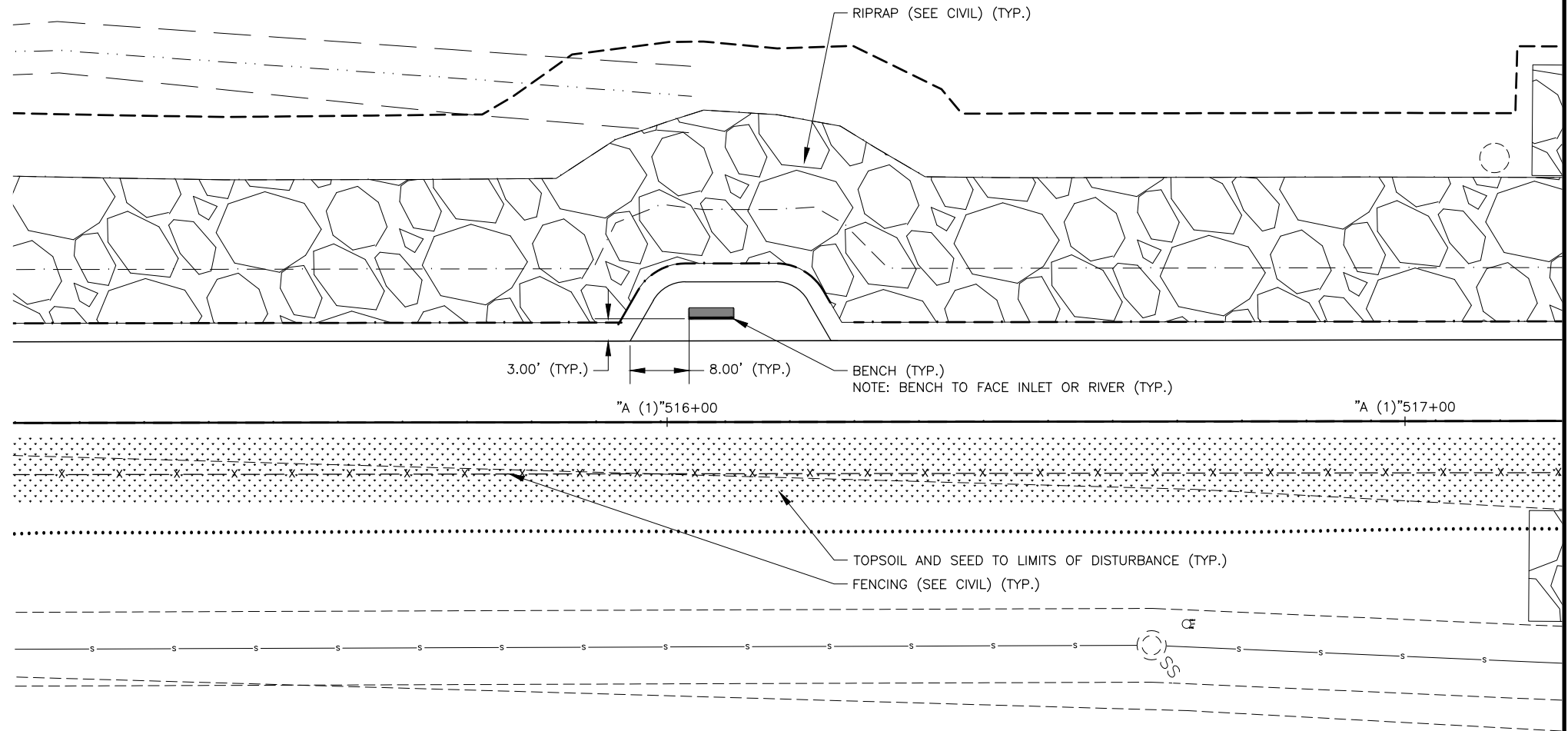
SHRUBS

SYMBOL	ABBR. LATIN NAME	COMMON NAME
	RA ROSA ACICULARIS	PRICKLY ROSE

MISCELLANEOUS

SYMBOL	DESCRIPTION	NOTES
	BENCH	6.00' FT LENGTH
	BEARPROOF TRASH RECEPTACLE	
	WAYFINDING SIGN POST FOR MAP KIOSK	2 POSTS EACH
	WAYFINDING SIGN POST FOR DIRECTIONAL TOTEM	
	REVEGETATION SEED MIX	TO LIMITS OF DISTURBANCE (TYP.)
	EXISTING DECIDUOUS TREE	
	EXISTING EVERGREEN TREE	
	EXISTING BOULDER	

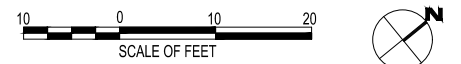
NOTE: SEE SHEET L1 FOR GENERAL LANDSCAPE NOTES, SCHEDULES, AND ABBREVIATIONS.



2
L2

TYPICAL BULB OUT LAYOUT

NTS



DRAWING LOCATION
P:\21-209 DOWNTOWN TRAIL CONNECTION\2-CAD\DRAWINGS\LA\00586_L_PLAN.DWG

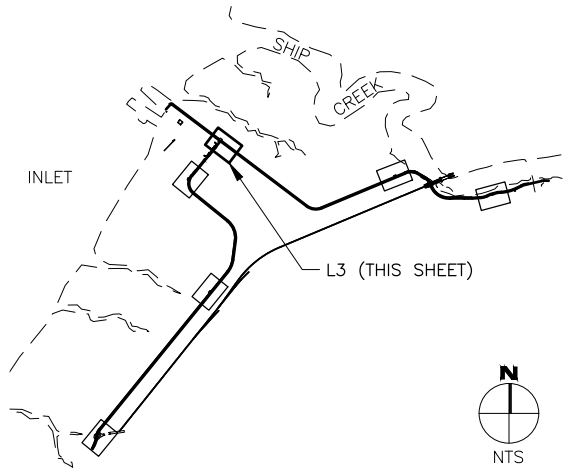


BETTISWORTH NORTH
2550 DENALI STREET, SUITE 1300
ANCHORAGE, ALASKA 99503
(907) 561-5780
#AECC219-AK

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

**AMATS: DOWNTOWN
TRAIL CONNECTION**

LANDSCAPE PLAN



1
L3
KEY PLAN
NTS

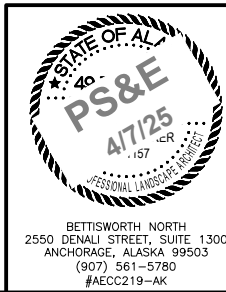
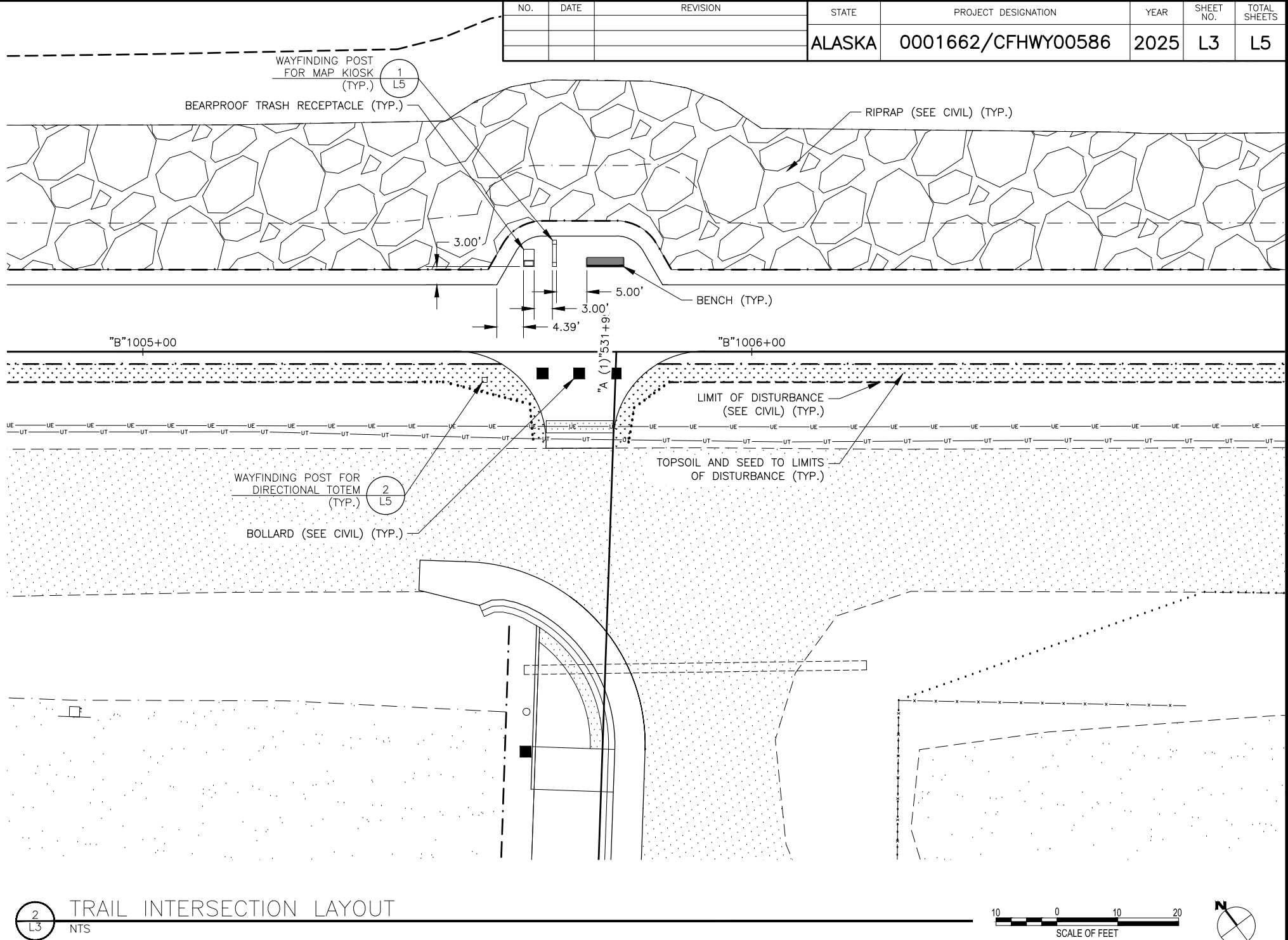
LEGEND

SYMBOL	ABBR. LATIN NAME	COMMON NAME
TREES		
	PT POPULUS TREMULOIDES	QUAKING ASPEN

SYMBOL	ABBR. LATIN NAME	COMMON NAME
SHRUBS		
	RA ROSA ACICULARIS	PRICKLY ROSE

SYMBOL	DESCRIPTION	NOTES
MISCELLANEOUS		
	BENCH	6.00' FT LENGTH
	BEARPROOF TRASH RECEPTACLE	
	WAYFINDING SIGN POST FOR MAP KIOSK	2 POSTS EACH
	WAYFINDING SIGN POST FOR DIRECTIONAL TOTEM	
	REVEGETATION SEED MIX	TO LIMITS OF DISTURBANCE (TYP.)
	EXISTING DECIDUOUS TREE	
	EXISTING EVERGREEN TREE	
	EXISTING BOULDER	

NOTE: SEE SHEET L1 FOR GENERAL LANDSCAPE NOTES, SCHEDULES, AND ABBREVIATIONS.

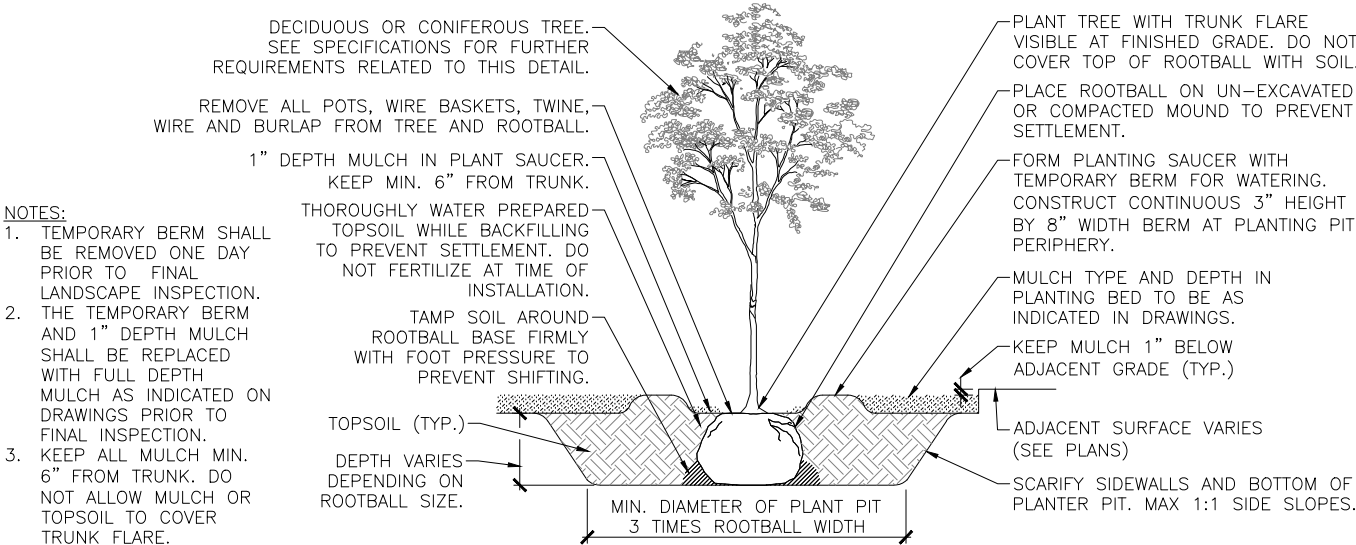


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

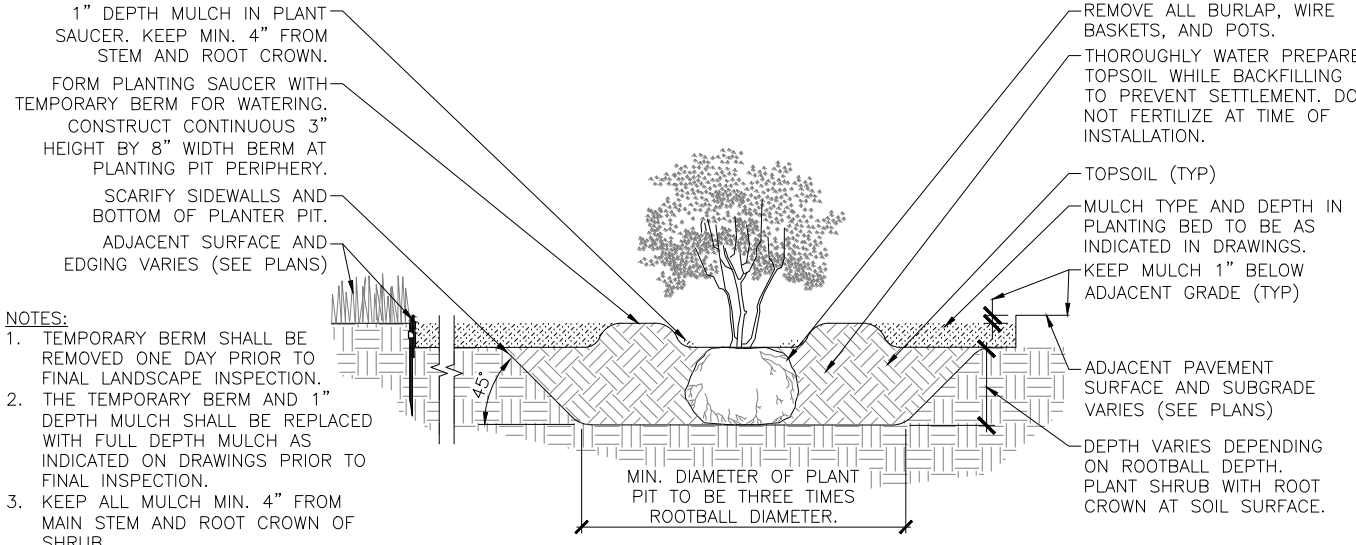
AMATS: DOWNTOWN
TRAIL CONNECTION

LANDSCAPE PLAN

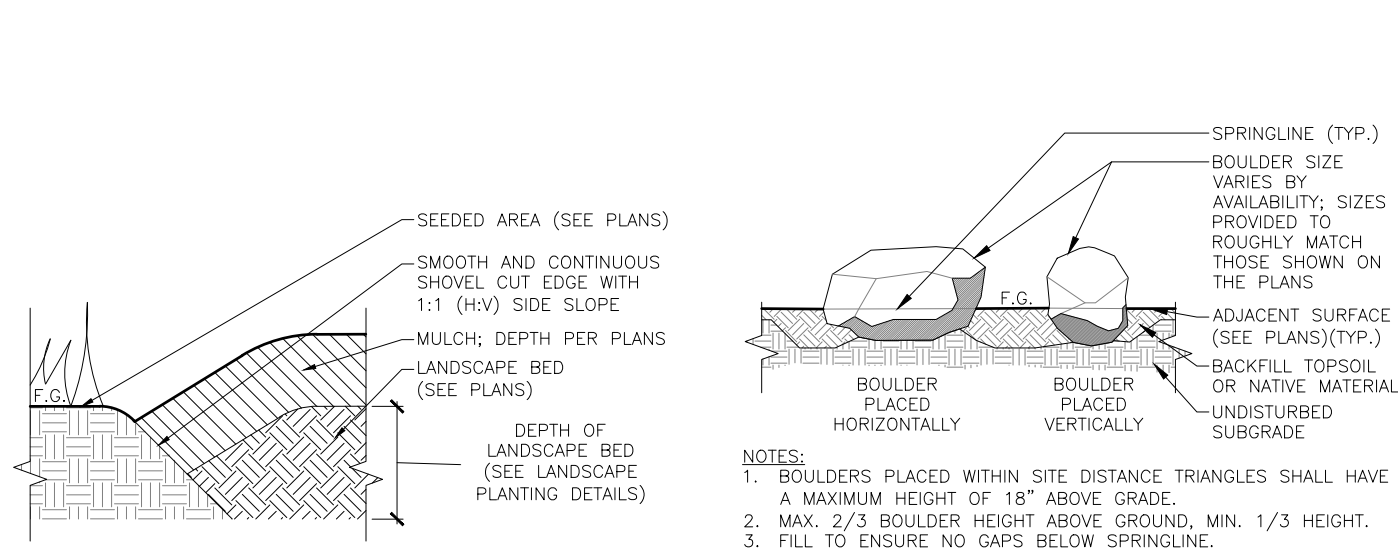
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001662/CFHWY00586	2025	L4	L5



1
L4
TREE PLANTING
NTS

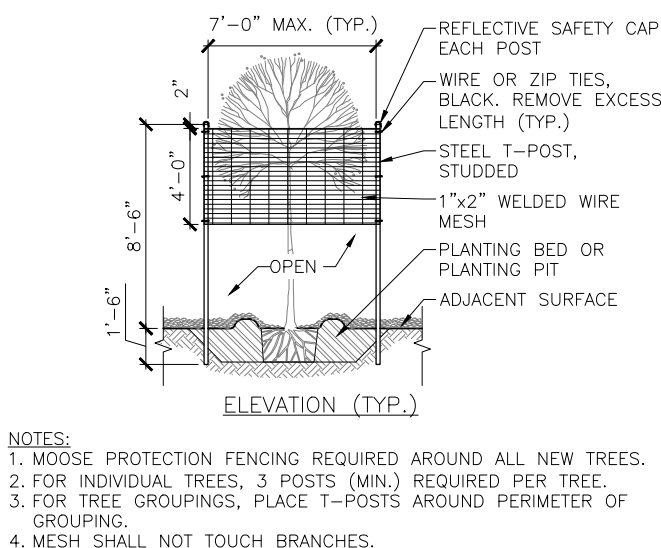


2
L4
SHRUB PLANTING
NTS

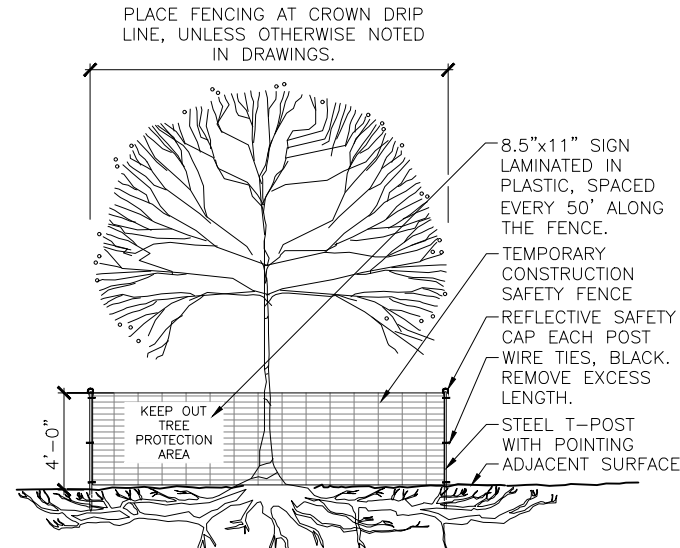


3
L4
LANDSCAPE EDGING
NTS

4
L4
BOULDER
NTS

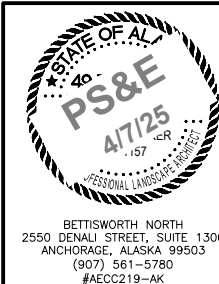


5
L4
MOOSE PROTECTION FENCE
NTS



- NOTES:
1. SEE MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS (MASS), SECTION 75.02 FOR ADDITIONAL TREE PROTECTION REQUIREMENTS.
 2. NO PRUNING SHALL BE PERFORMED EXCEPT BY ARBORIST.
 3. NO EQUIPMENT SHALL OPERATE INSIDE THE PROTECTIVE FENCING INCLUDING DURING FENCE INSTALLATION AND REMOVAL.
 4. IF USING CHAIN LINK FENCING, TUBULAR POSTS, AND ADJUSTABLE CONCRETE FOOTERS (DECK FOOTERS) IN LIEU OF PLASTIC MESH AND T-POSTS, POST LOCATIONS OUTSIDE THE DRIP LINE, AS SHOWN HERE, ARE TO BE MAINTAINED.

6
L4
TREE PROTECTION ZONE FENCE
NTS

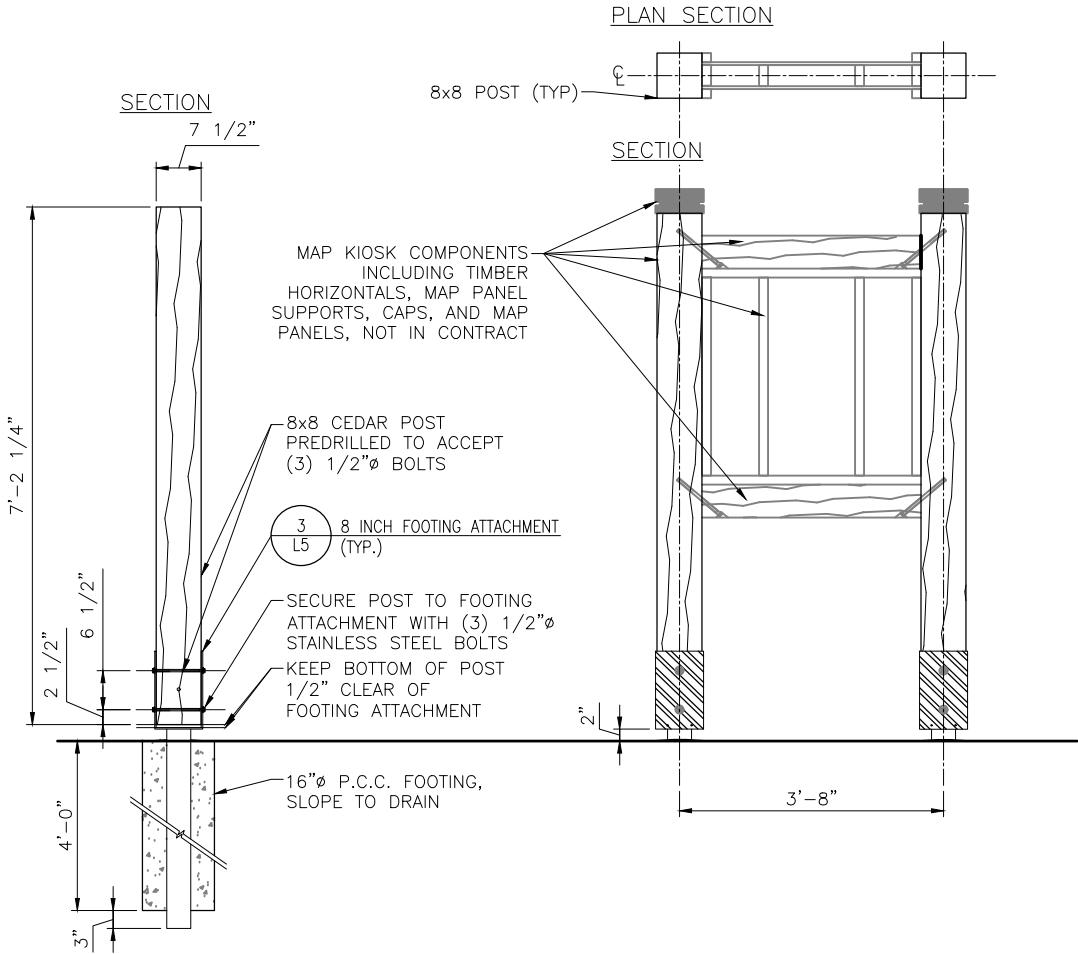


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

**AMATS: DOWNTOWN
TRAIL CONNECTION**

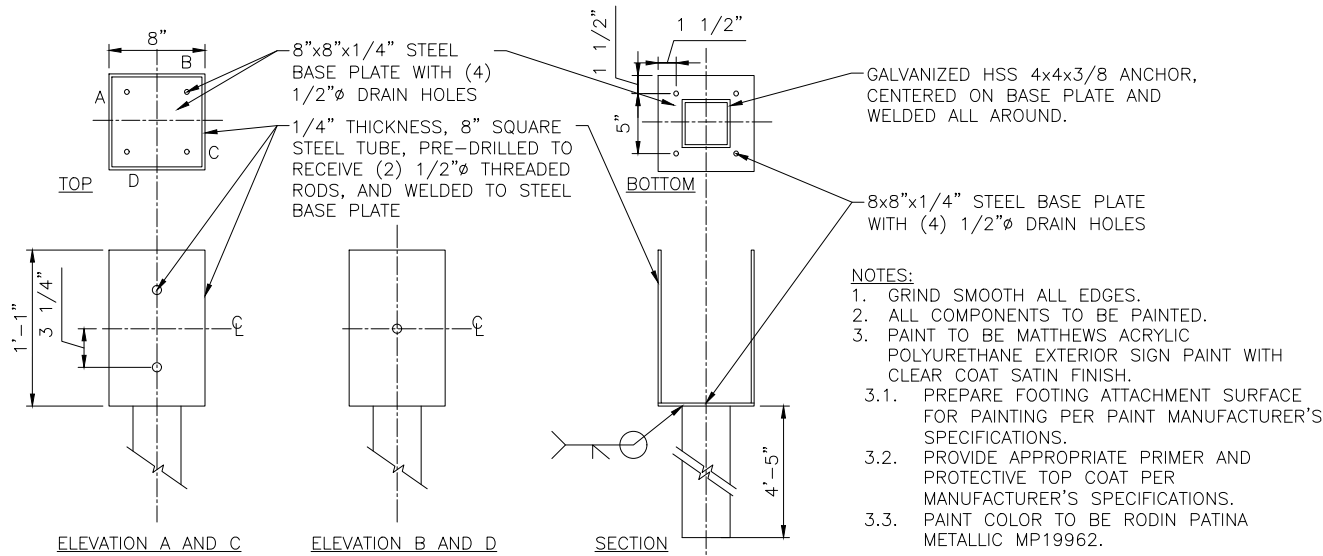
LANDSCAPE DETAILS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001662/CFHWY00586	2025	L5	L5

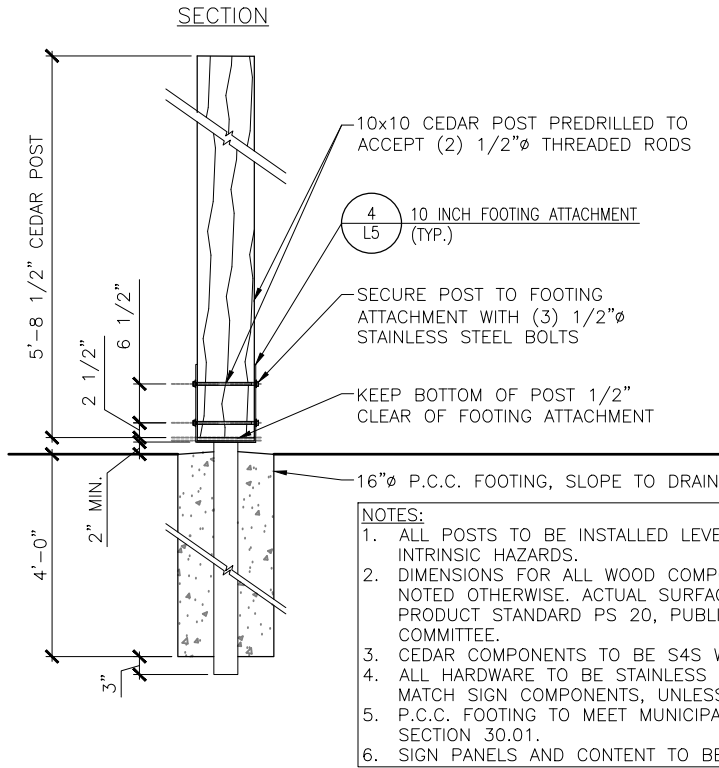


- NOTES:
1. ALL KIOSK POSTS TO BE INSTALLED LEVEL AND PLUMB WITH NO VISIBLE FLAWS OR INTRINSIC HAZARDS.
 2. DIMENSIONS FOR ALL WOOD COMPONENTS ARE NOMINAL DIMENSIONS UNLESS NOTED OTHERWISE. ACTUAL SURFACE DIMENSIONS CONFORM WITH THOSE IN PRODUCT STANDARD PS 20, PUBLISHED BY THE AMERICAN LUMBER STANDARDS COMMITTEE.
 3. CEDAR COMPONENTS TO BE S4S WRC HEART CEDAR.
 4. ALL HARDWARE TO BE STAINLESS STEEL, TAMPER RESISTANT, AND PAINTED TO MATCH SIGN COMPONENTS, UNLESS OTHERWISE NOTED.
 5. P.C.C. FOOTING TO MEET MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS, SECTION 30.01.

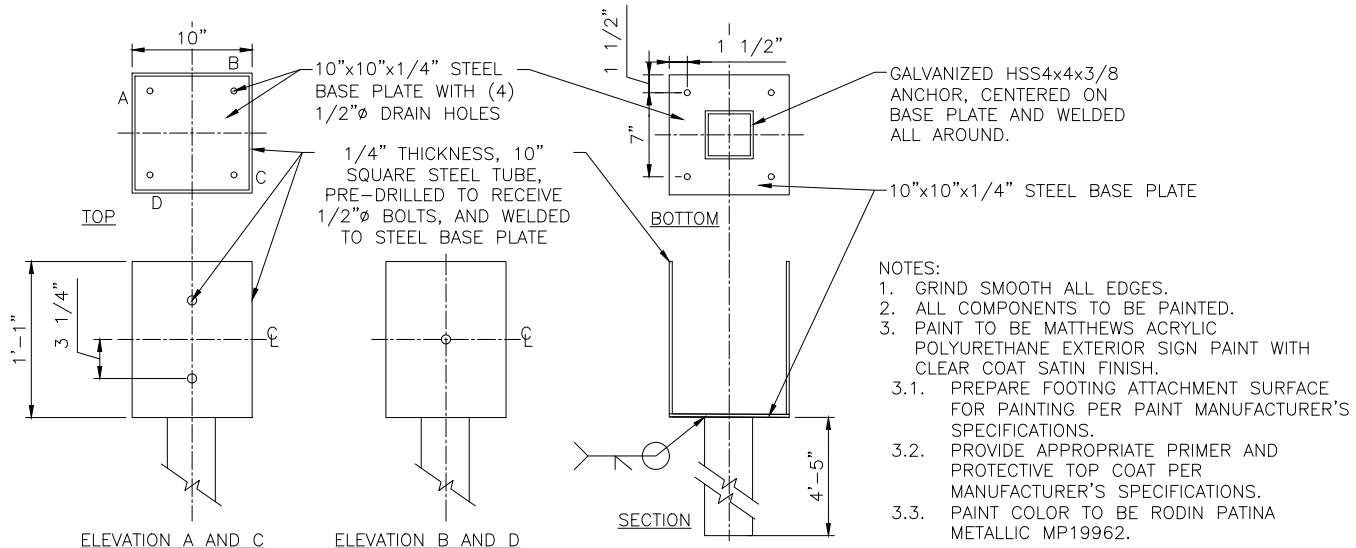
1 L5 WAYFINDING POST FOR MAP KIOSK NTS



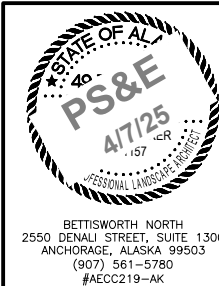
3 L5 8 INCH FOOTING ATTACHMENT NTS



2 L5 WAYFINDING POST FOR DIRECTIONAL TOTEM NTS



4 L5 10 INCH FOOTING ATTACHMENT NTS



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

**AMATS: DOWNTOWN
TRAIL CONNECTION**

LANDSCAPE DETAILS

BETTISWORTH NORTH
2550 DENALI STREET, SUITE 1300
ANCHORAGE, ALASKA 99503
(907) 561-5780
#AECC219-AK

DESIGNED BY
CHECKED BY
DRAFTED BY

SCALE
1" = 1'

DATE
4/7/2025 2:05 PM

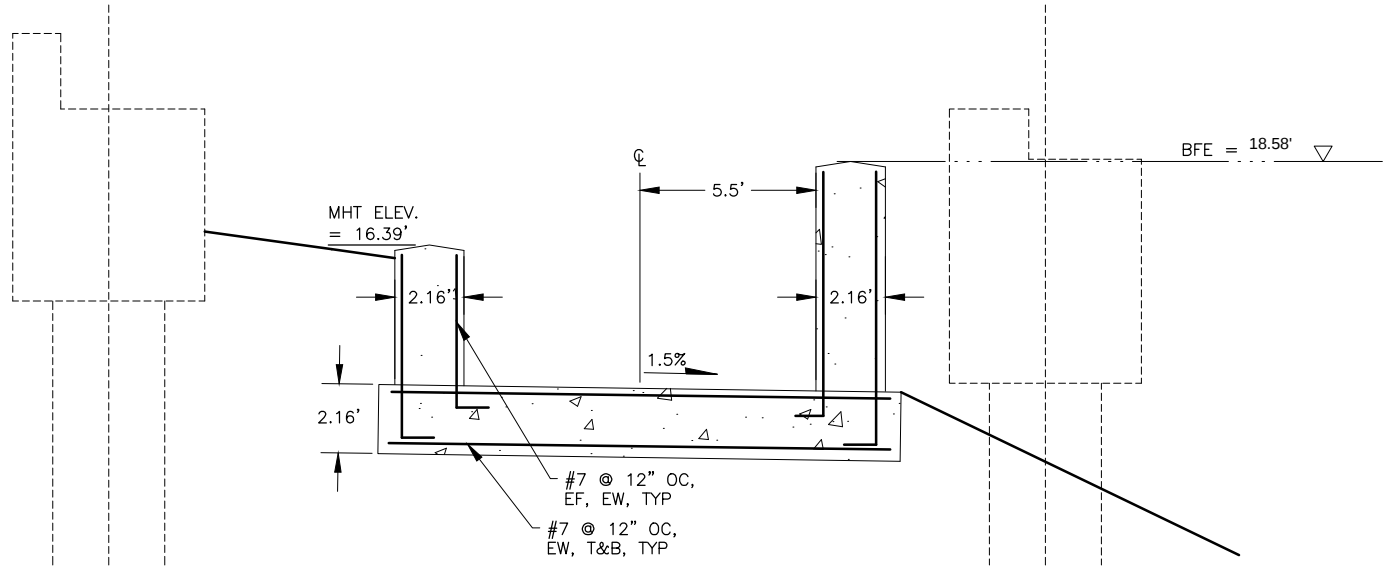
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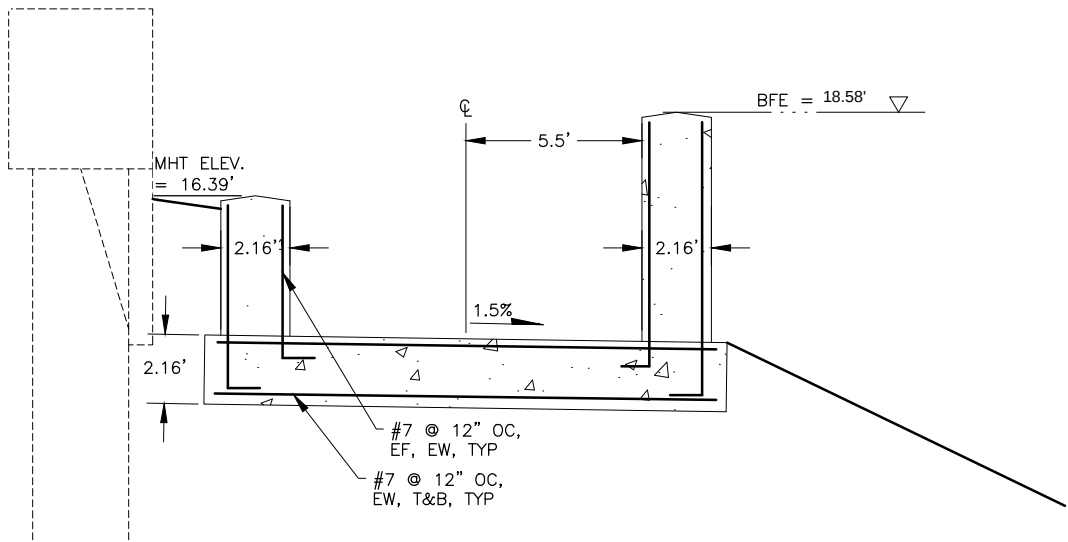
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0001662/CFHWY00586	2025	M1	M3

NOTES:

- CONCRETE MIX:
 - ACI EXPOSURE: F3, S1, W1, C2
 - ASTM C150 TYPE II CEMENT
 - MAXIMUM W/C RATIO = 0.40
 - MINIMUM F'C = 5000 PSI
 - TARGET AIR CONTENT = 6%+/-2%
 - MAXIMUM WATER-SOLUBLE CHLORIDE ION CONTENT = 0.15%
 - MINIMUM OF 2.5" OF COVER OVER ALL REINFORCING
- REINFORCING
 - EPOXY COATED, GRADE 60, ASTM A775 OR A934

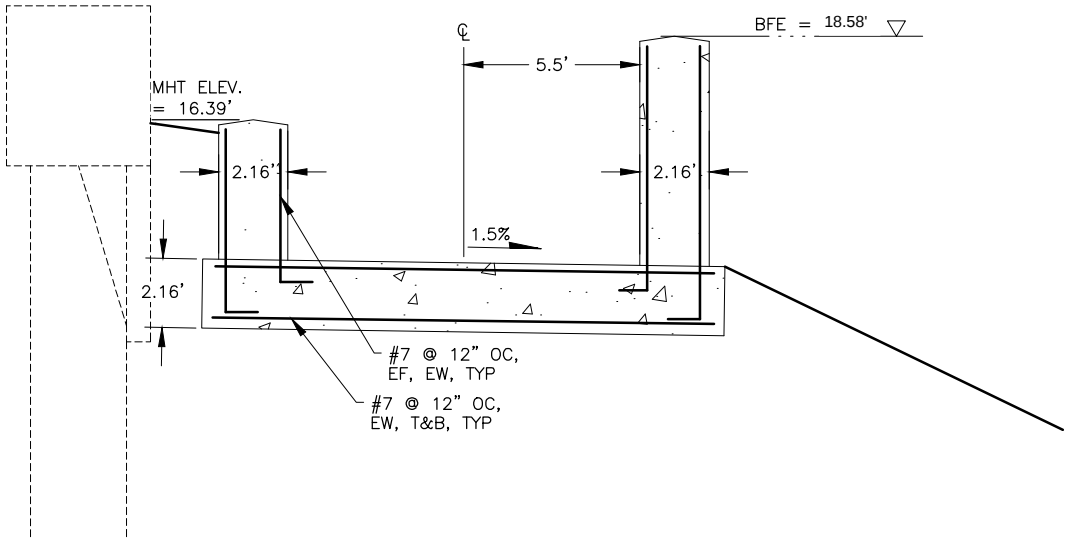


SECTION AT STA 1026+00, NEW RR BRIDGE



SECTION AT STA 1025+60 HIGH SIDE OF VEHICLE BRIDGE

22.65'



SECTION AT STA 1025+10,
LOW SIDE OF VEHICLE BRIDGE

PS&E

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

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

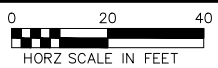
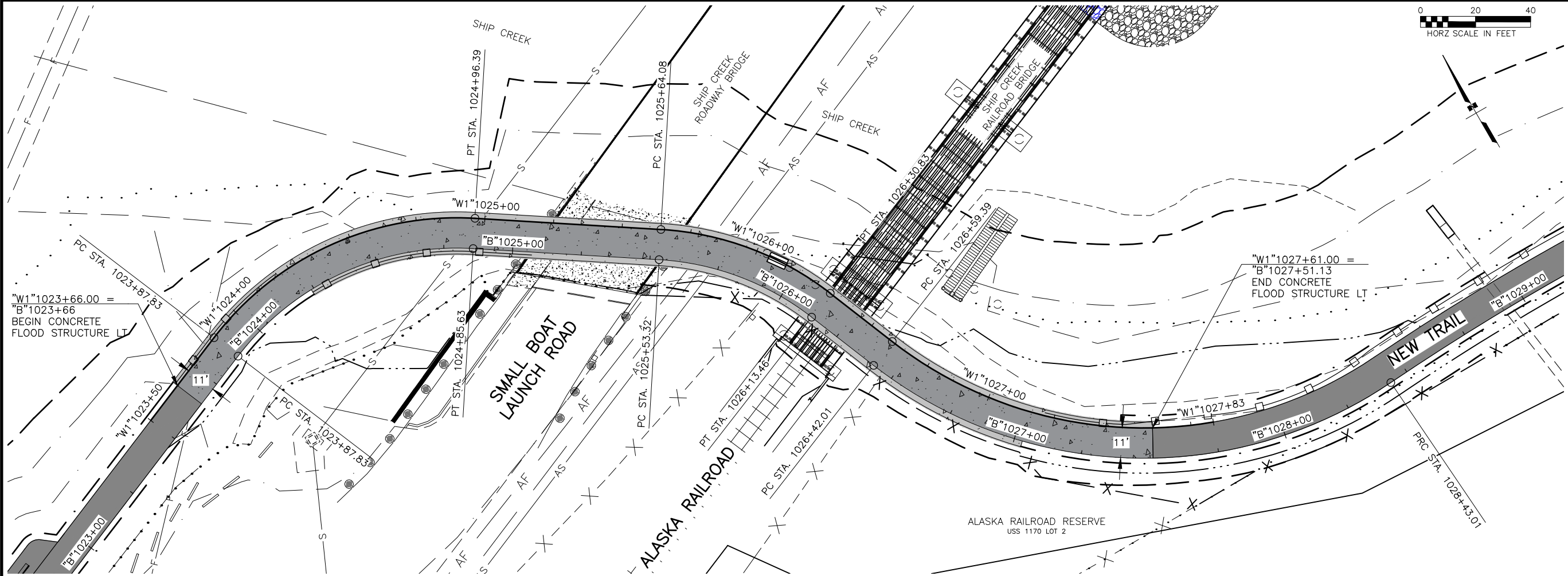
AMATS: DOWNTOWN
TRAIL CONNECTION

CONCRETE FLOOD STRUCTURE
DETAILS

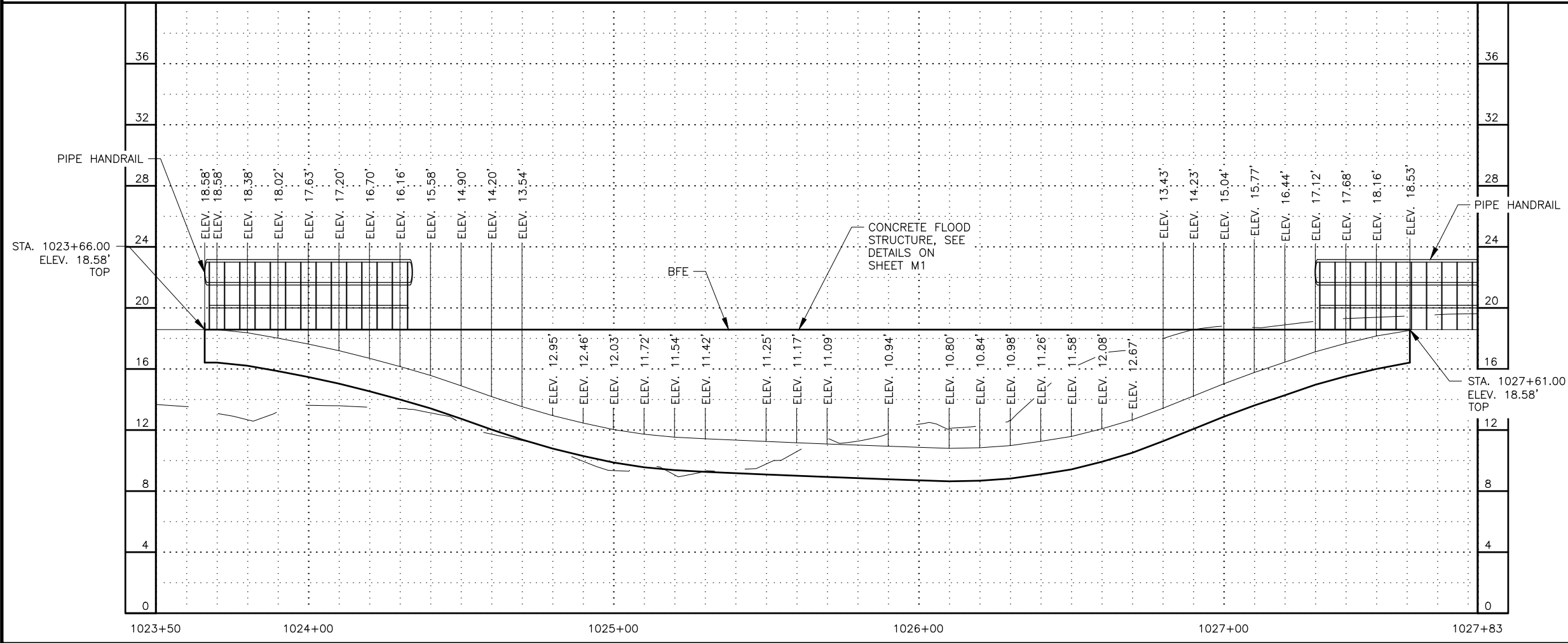
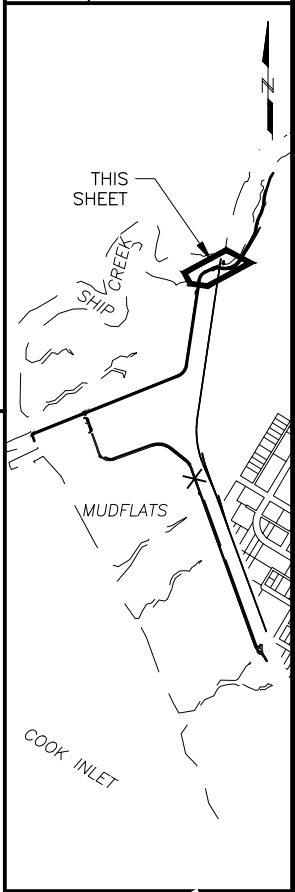
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DATE 4/10/2025 TIME 1:12 PM SCALE 1" = 40'

DESIGNED BY
CHECKED BY
DRAFTED BY



SHEET NO.	TOTAL SHEETS
M2	M3
STATE	YEAR
ALASKA	2025
PROJECT DESIGNATION	
0001662/ CFHWY00586	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



PS&E
Submittal
4/10/25

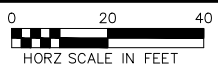
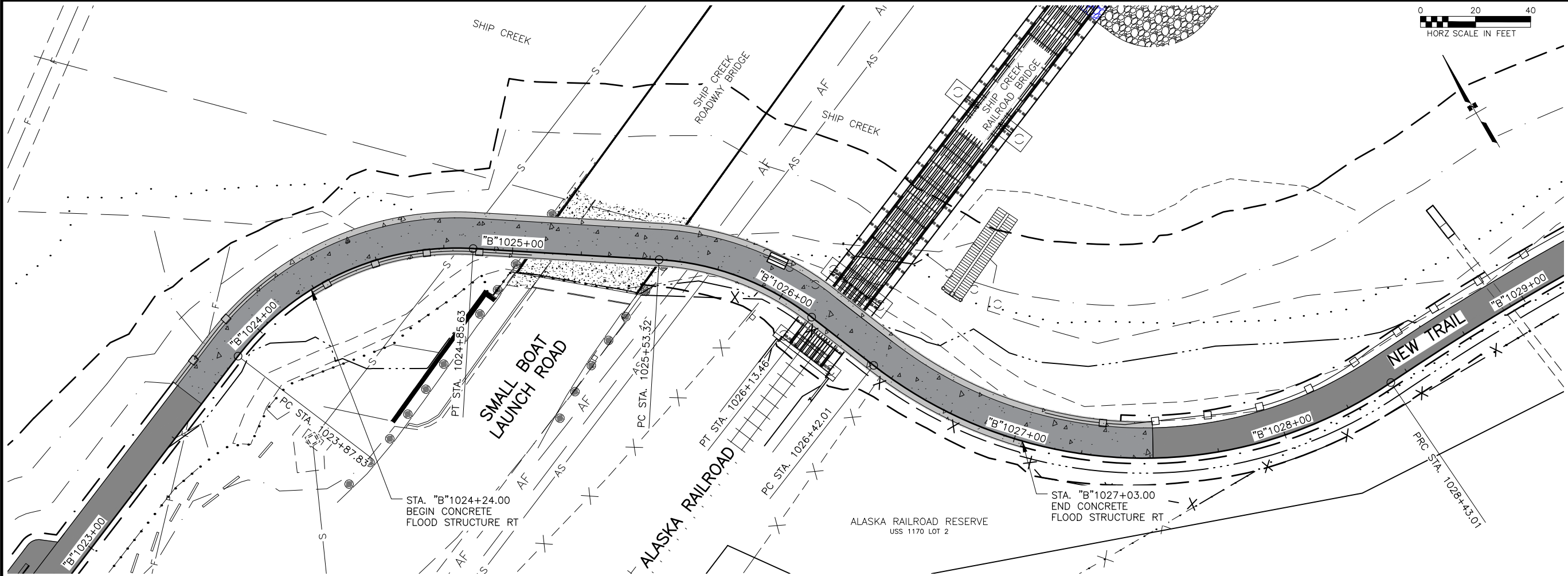
PLANS DEVELOPED BY:
KINNEY ENGINEERING, LLC
3909 Arctic Blvd, Suite 400
ANCHORAGE, AK 99503
(907) 346-2373
CERT. OF AUTH. NO. AECL 1102

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

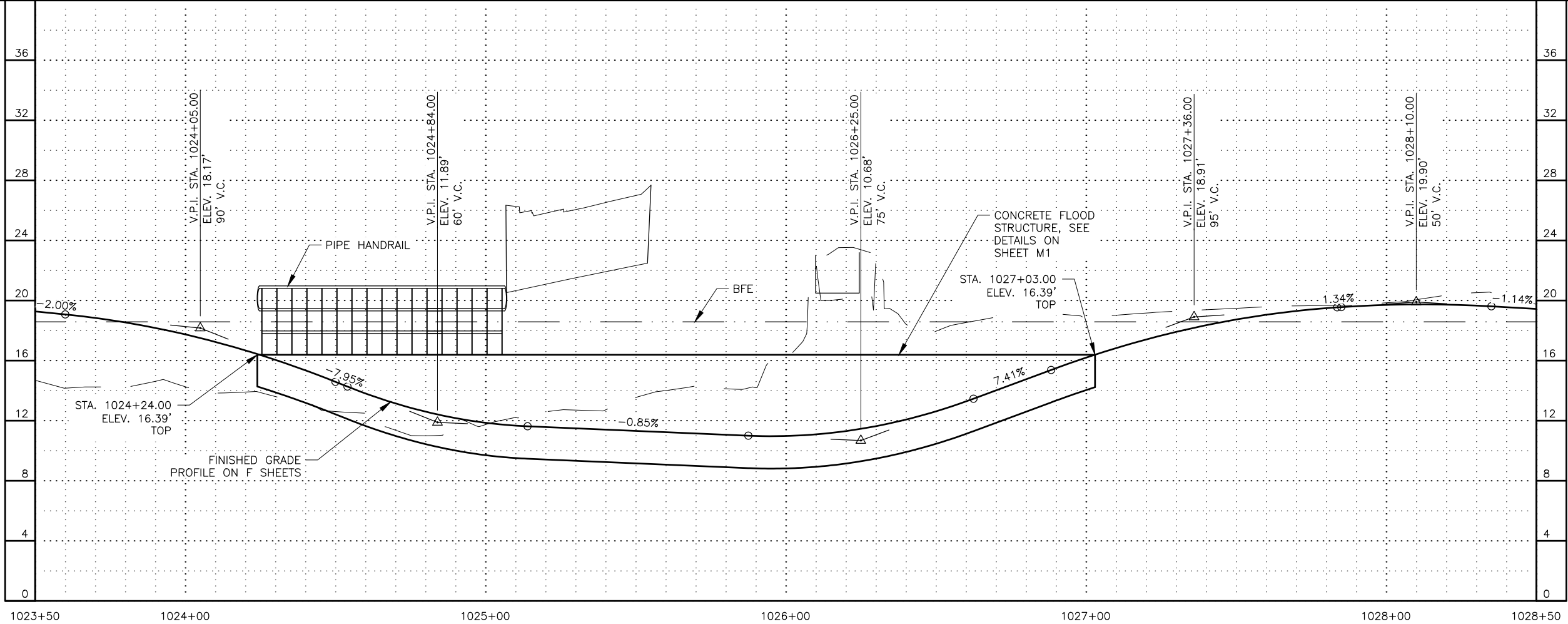
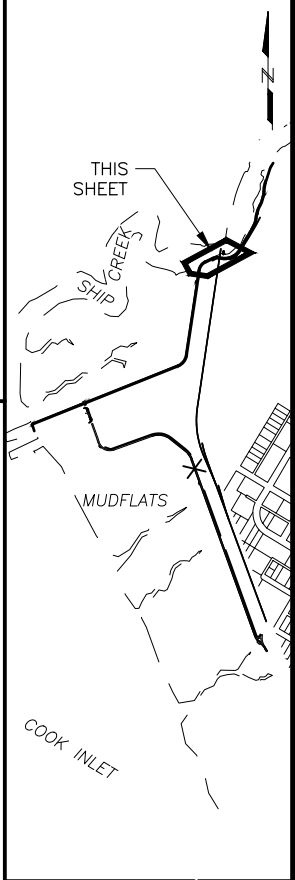
AMATS: DOWNTOWN
TRAIL CONNECTION

CONCRETE FLOOD
STRUCTURE PLAN
& PROFILE

DESIGNED BY: []
CHECKED BY: []
DRAFTED BY: []
SCALE: 1" = 40'
DATE: 4/10/2025
TIME: 1:12 PM
DRAWING LOCATION: Z:\PROJECTS\00645-DOWNTOWN TRAIL CONNECTION\DWGS\00586_M2-M3_CONC-FLOOD-STRUCTURE.DWG



SHEET NO.	TOTAL SHEETS
M3	M3
STATE	YEAR
ALASKA	2025
PROJECT DESIGNATION	
0001662/ CFHWY00586	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



PS&E
Submittal
4/10/25

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

AMATS: DOWNTOWN
TRAIL CONNECTION
CONCRETE FLOOD
STRUCTURE PLAN
& PROFILE