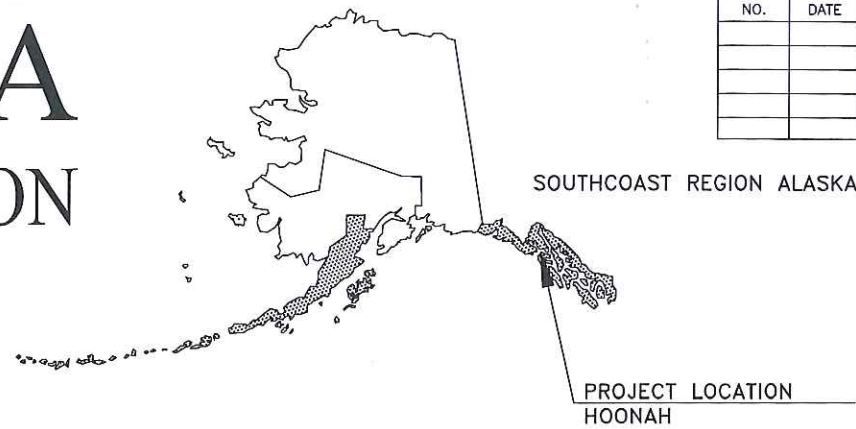


NO.	DATE	REVISIONS	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	PENDING/SFHWHY00528	2023	A1	20
				CDS ROUTE: 295215	MILEPOINT: 0.09 TO 0.27		
				LATITUDE: 58°06'24"N	LONGITUDE: 135°26'33"W		

# STATE OF ALASKA

## DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES



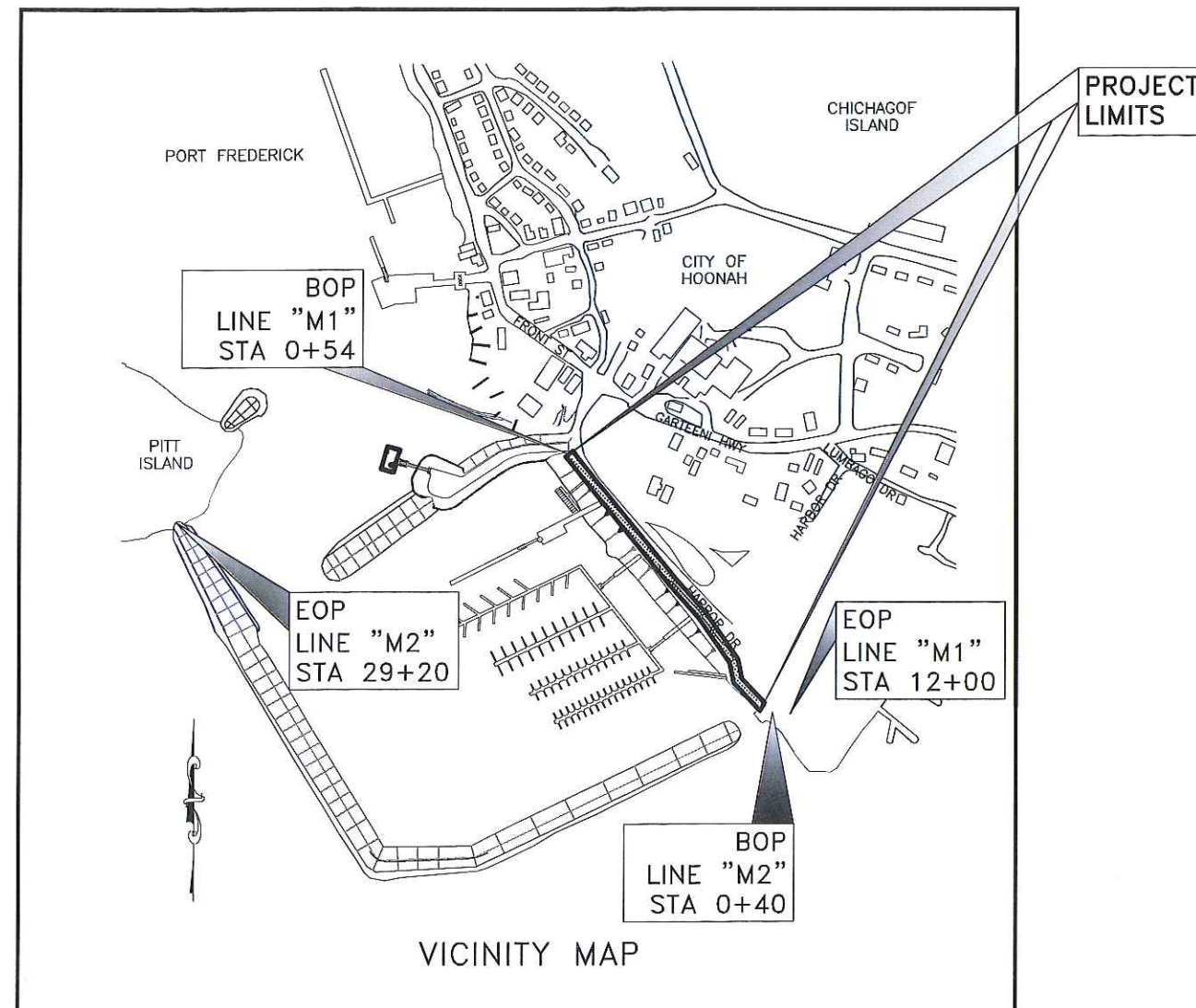
PROJECT SUMMARY	
WIDTH OF PAVEMENT	3'
LENGTH OF PAVING	571'
LENGTH OF PROJECT	0.76 MILE

### PROPOSED HIGHWAY PROJECT

## HSIP: HNH HARBOR WAY PEDESTRIAN IMPROVEMENTS PROJECT NO. PENDING/SFHWHY00528(00278)

GRADING, PAVING, SIDEWALK, WALKWAYS AND BRIDGE

DESIGN DESIGNATION	
PROJECT TYPE	NEW CONSTRUCTION-RECONSTRUCTION
FUNCTIONAL CLASS	MINOR COLLECTOR
ADT (2023)	489
ADT (2043)	947
DHV (2023)	62
DHV (2043)	121
PERCENT TRUCKS (T)	4.72%
DIRECTIONAL SPLIT (D)	52%
DESIGN SPEED (V)	10 MPH
DESIGN ESALs (20 YEARS)	200,000



The undersigned hereby certifies that this duplicated document is an exact and true copy of the original.

*Hollis Rosella*

October 27, 2023

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE *Dillon Tomaro* Date: 5/31/24

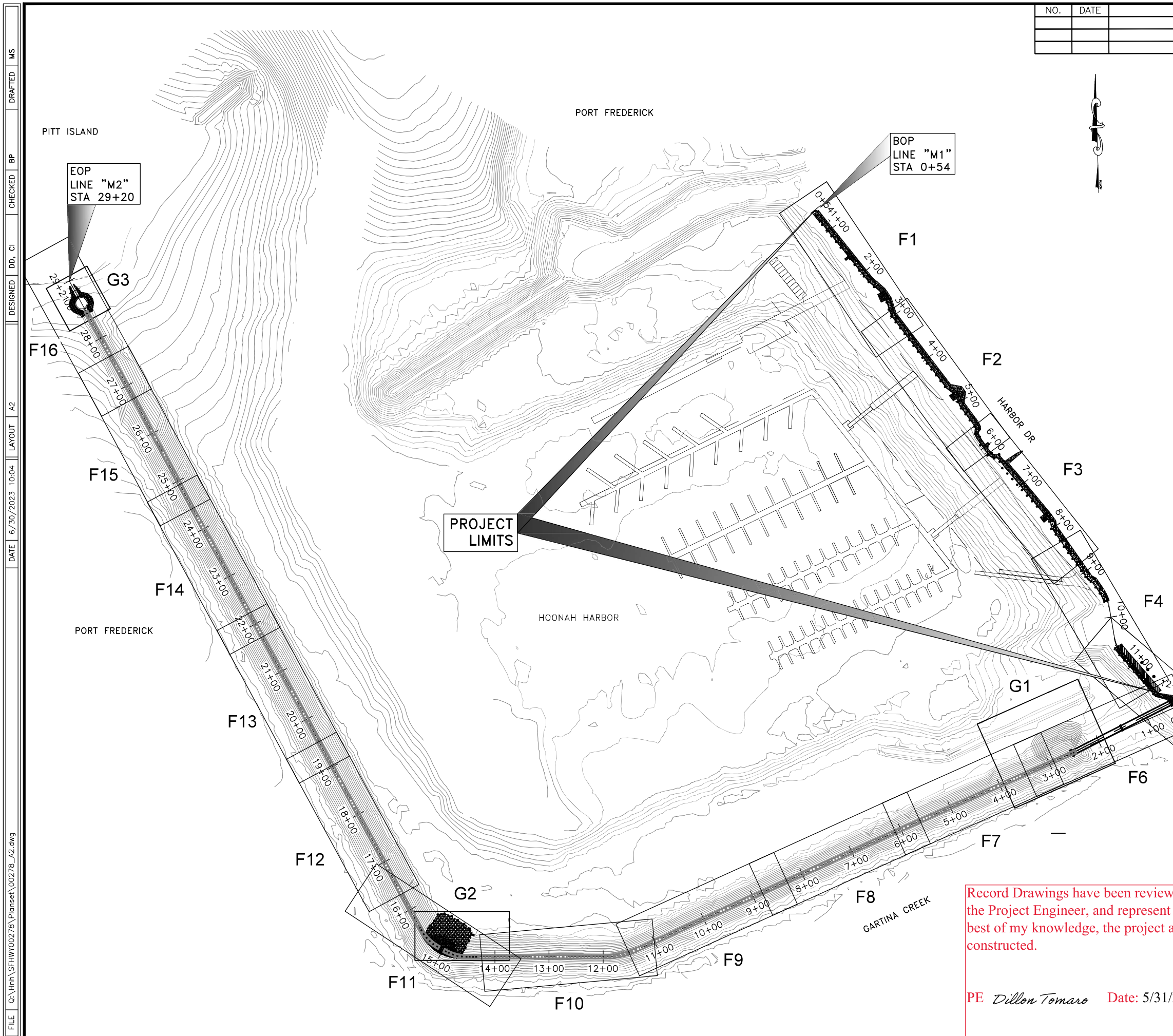
USE THESE PLANS IN CONJUNCTION WITH THE STATE OF ALASKA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2020 EDITION AND THE PROJECT SPECIAL PROVISIONS.

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES 6860 GLACIER HIGHWAY, JUNEAU, AK 99801 (907) 465-1763	
APPROVED: <i>Kirk Miller</i>	6/30/2023 DATE
KIRK MILLER, P.E. REGIONAL PRECONSTRUCTION ENGINEER	
CONCUR: <i>Christopher Goins</i>	7/13/2023 DATE
CHRISTOPHER GOINS, P.E., C.M. DIRECTOR, SOUTHCOAST REGION	

FILE: G:\Hnh\SFHWHY00278\PlanSet\00278\_A1.dwg  
 DATE: 6/30/2023 10:01  
 LAYOUT: A1 TITLE SHEET  
 DESIGNED: DD, CI  
 CHECKED: BP  
 DRAFTED: MS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	PENDING/SFHWY00528	2023	A2	6

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2	LAYOUT & INDEX OF SHEETS
A3	LEGEND & SYMBOLS
A4-A6	SURVEY CONTROL
B1-B2	TYPICAL SECTIONS
C1	ESTIMATE OF QUANTITIES
D1	SUMMARIES
E5-E6	MISCELLANEOUS DETAILS
F1-F5	SIDEWALK PLAN & PROFILE
G1-G2	GRADING PLAN
N1-N5	BRIDGE PLANS
Q1	EROSION SEDIMENT CONTROL PLANS
T1-T2	PERMANENT CONSTRUCTION SIGNS



THE FOLLOWING STANDARD PLANS APPLY TO THIS PROJECT:  
 I-20.20  
 I-21.12

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PE *Dillon Tomaro* Date: 5/31/24



STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

HSIP: HNH HARBOR WAY  
 PEDESTRIAN IMPROVEMENTS

PROJECT LAYOUT

6/29/2023

FILE G:\Hnh\SFWY00278\Planset\00278\_A2.dwg  
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 DESIGNED DD, CI  
 CHECKED BP  
 DRAFTED MS

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 DATE 6/30/2023 8:52  
 LAYOUT A3 LEGEND & SYMBOL  
 DESIGNED DD, CI  
 CHECKED BP  
 DRAFTED MS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	PENDING/SFHWY00528	2023	A3	6

	RECOVERED	SET
BLM MONUMENT		
GLO MONUMENT		
USC&GS MONUMENT		
PRIMARY MONUMENT		
CENTERLINE MONUMENT IN CASING		
PRIMARY R.O.W. MONUMENT		
BEARING OBJECT		
MISCELLANEOUS MONUMENT		
LINE OF SIGHT MONUMENT		
CONCRETE R.O.W. MONUMENT		
BENCHMARK		
REBAR AND CAP		
REBAR		
IRON PIPE		
PK NAIL		
SPIKE		
HUB AND TACK		
CONSTRUCTION CENTERLINE		
MICELLANEOUS CENTERLINE		
STATION EQUATION	$\begin{matrix} "L"48+97.23 \text{ POT BK=} \\ "O"48+97.23 \text{ PC AHD} \end{matrix}$	
PROJECT RIGHT-OF-WAY LINE		
EXISTING RIGHT-OF-WAY LINE		
EXISTING PROPERTY LINE		
CONTROLLED ACCESS LINE		
EXISTING EASEMENT LINE		
PROPOSED EASEMENT LINE		
PROPOSED CUT SLOPE LIMIT		
PROPOSED FILL SLOPE LIMIT		
SECTION LINE		
1/4 SECTION LINE		
1/16 SECTION LINE		
TOWNSHIP & RANGE LINE	$\begin{matrix} T. 2 \text{ N.} \\ T. 1 \text{ N.} \\ T. 1 \text{ E.} \\ T. 2 \text{ E.} \end{matrix}$	
MEANDER LINE		

	EXISTING	PROPOSED
SANITARY SEWER (FLOW DIRECTION →)		
FUEL LINE		
GAS LINE		
WATER LINE		
METER, VALVE, FIRE HYDRANT		
EXISTING STORM DRAIN (FLOW DIRECTION →)		
PROPOSED STORM DRAIN		
FIBER OPTIC LINE		
DIRECT BURIAL TELEPHONE CABLE		
DIRECT BURIAL ELECTRIC CABLE		
ELECTRIC LINE (OVERHEAD)		
POWER POLE LINE		
JOINT USE POWER & TELEPHONE		
TELEPHONE POLE LINE		
POLE ANCHOR		
STUB POLE (POWER OR TELEPHONE)		
TELEPHONE DUCT		
TELEPHONE PEDESTAL		
BURIED CABLE MARKER		
PIPELINE MARKER OR VALVE		
CATCH BASIN OR DROP INLET		
MANHOLE		
SANITARY SEWER CLEAN OUT		
RIPRAP		
SPECIAL DITCH CENTERLINE		
HIGH TIDE LINE		
D-1 SHOULDER		

	EXISTING	PROPOSED
ROADWAY/PAVEMENT EDGE		
FENCE		
CURB AND GUTTER		
DETECTABLE WARNINGS		
GUARDRAIL		
CULVERT PIPE		
SIGN		
MAILBOX		
RAILROAD TRACKS		
RAILROAD DEVICES		
TREE LINE		
WATER BOUNDARY		
ORDINARY HIGH WATER LINE		
FLOW CENTERLINE		
FLOW DIRECTION		
WETLANDS		
EXISTING BUILDINGS		
POST OR BOLLARD		
WELL OR MONITORING WELL		
SEPTIC PIPE		
FUEL TANK FILL PIPE/VENT		
SATELLITE DISH		
TEST HOLE		
CONIFER TREE		
DECIDUOUS TREE		
GRAVE		
THERMOSIPHON		
PARKING METER		
VEHICLE PLUG-IN		
DELINEATOR/GUIDE MARKER		

	EXISTING	PROPOSED
JUNCTION BOX, TYPE IA		
JUNCTION BOX, TYPE II		
JUNCTION BOX, TYPE III		
SIGNAL FACE, VEHICULAR		
SIGNAL FACE, BACKPLATE		
SIGNAL FACE, LEFT TURN, BACKPLATE		
SIGNAL FACE, PEDESTRIAN		
LOOP DETECTOR		
VIDEO DETECTOR		
RADAR DETECTOR		
OPTICOM DETECTOR		
PEDESTRIAN PUSH BUTTON		
SIGNAL POST W/O MAST ARM		
SIGNAL POLE W/MAST ARM		
SIGNAL CONTROLLER		
LOAD CENTER		
LUMINAIRE		
RIGID METAL CONDUIT		

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

**ABBREVIATIONS:**

CPP	CORRUGATED POLYETHYLENE PIPE
CMP	CORRUGATED METAL PIPE
(E)	EXISTING
GRAIL	GUARDRAIL
HMA	HOT MIX ASPHALT
N.T.S.	NOT TO SCALE
P.O.C.	POINT ON CURVE
PC	POINT OF CURVATURE
PT	POINT OF TANGENCY
SHLDR	SHOULDER

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE *Dillon Tomaro* Date: 5/31/24



STATE OF ALASKA DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 6860 GLACIER HIGHWAY, JUNEAU, AK 99801  
 (907) 465-1763

HSIP: HNH HARBOR WAY PEDESTRIAN IMPROVEMENTS

LEGEND & SYMBOLS

DRAWING LOCATION: G:\Hh\SFHWY00278\SV\SOURCE DWGS\BASEMAP\Ped\_Weik\_SCS\_051022\_102720.dwg  
 DATE: 6/30/2023 12:19  
 LAYOUT: A1  
 SCALE:  
 XREFS:  
 DESIGNED: JFAPCI  
 CHECKED: DIGNOTOV  
 DRAWN: JFAPCI

EXISTING PROPERTY CORNERS						
Point #	Northing	Easting	ELEV	Description	Station	Offset
109	2295773.27	2341299.72	25.66	3.5"BC_ NOAA/USACE BM_1217-83-8	5+70.96	1078.64R
110	2295699.90	2342246.33	23.50	3.5"BC_ NOAA/USACE BM_1217-83-9	4+87.56	115.76R
111	2295105.37	2342549.90	25.34	3.5"BC_ NOAA/USACE BM_1217-83-5	11+50.96	190.69R
112	2295858.15	2342071.70	23.40	3"BC_TERRA SURVEYS_HH-A 2002	2+18.58	163.02R
1004	2295007.66	2342924.47	21.77	PLASCAP_TNA_6262-S	N/A	N/A
1005	2295136.59	2343077.47	19.80	PLASCAP_TNA_6262-S	N/A	N/A
1006	2295221.49	2342818.83	20.77	PLASCAP_JOHNSON_7570-S	12+65.63	39.54L
1007	2295466.97	2342638.99	21.73	PLASCAP_JOHNSON_7570-S	N/A	N/A
1008	2295603.18	2342574.28	21.23	REBAR	7+74.33	88.12L
1009	2295595.84	2342689.71	21.62	PLASCAP_JOHNSON_7570-S	8+40.41	182.01L
1010	2295534.70	2342731.37	21.78	PLASCAP_BEAN_3650-S	12+11.35	326.31L
1011	2295289.75	2342912.13	22.17	REBAR	N/A	N/A
1012	2296200.16	2341922.35	14.89	PLASCAP_PDC_11798-S	N/A	N/A
1013	2296198.56	2342140.81	22.20	REBAR 5/8" FLUSH	N/A	N/A
1014	2296062.91	2342168.52	22.41	PLASCAP_LS-3650	1+48.85	43.42L
1015	2295895.89	2342437.96	21.76	PLASCAP_7570-S	4+46.23	159.45L
1016	2295819.88	2342531.67	21.38	SPINHOLE_REBAR 5/8"	6+31.86	201.85L

**MONUMENT NOTES:**

- IF ANY PAIR OF CONTROL POINTS DISAGREES FROM PUBLISHED VALUE BY MORE THAN 1:10,000 HORIZONTALLY OR VERTICALLY THEN A THIRD NETWORK POINT MUST BE TIED TO ASCERTAIN WHICH POINT IS IN ERROR OR HAS BEEN DISTURBED.
- WHETHER LISTED OR NOT, ALL PROPERTY MONUMENTS, PROPERTY MARKERS, CORNERS OR ACCESSORIES WHICH WILL BE DISTURBED OR BURIED SHALL BE REFERENCED PRIOR TO BEING DISTURBED, AND RE-ESTABLISHED IN THEIR ORIGINAL HORIZONTAL POSITION AND A RECORD OF MONUMENT FORM IN ACCORDANCE WITH (A.S.34.65.040) AND (A.S.19.10.260) SHALL BE SUBMITTED TO THE CONSTRUCTION ENGINEER FOR REVIEW PRIOR TO RECORDING. COORDINATE VALUES LISTED ARE FOR INFORMATIONAL PURPOSES AND SHOULD BE USED TO RESET MONUMENTS ONLY AS A LAST RESORT.
- WHEN POSSIBLE ALL ORIGINAL PRIMARY MONUMENTS SHALL BE SAVED AND RESET IN THEIR ORIGINAL HORIZONTAL POSITION AND A RECORD OF MONUMENT FORM IN ACCORDANCE WITH (A.S.34.65.040) AND (A.S.19.10.260) SHALL BE SUBMITTED TO THE CONSTRUCTION ENGINEER FOR REVIEW PRIOR TO RECORDING.
- RIGHT OF WAY LOCATION IS SHOWN FOR GRAPHICAL ORIENTATION PURPOSES ONLY. REFER TO ALASKA DOT&PF RIGHT OF WAY MAPS FOR RIGHT OF WAY INFORMATION.
- HORIZONTAL AND VERTICAL CONTROL MUST BE FIELD VERIFIED BY THE CONTRACTOR. DISCREPANCIES WILL BE REPORTED TO DOT&PF CONSTRUCTION PROJECT ENGINEER.

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	PENDING/SFHWY00528	2023	SCS1	20

**HORIZONTAL AND VERTICAL CONTROL STATEMENT:**  
 COORDINATES LISTED ARE NAD83(2011) ALASKA STATE PLANE COORDINATE SYSTEM ZONE 1 U.S. FEET.

ALL BEARINGS AND DISTANCES ARE GRID AND DERIVED FROM TIES TO THE NATIONAL SPATIAL REFERENCE SYSTEM. THE VERTICAL DATUM IS NAVD88 DERIVED FROM ELLIPSOIDAL HEIGHTS AND NATIONAL GEODETIC SURVEY GEOID MODEL 12B.

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

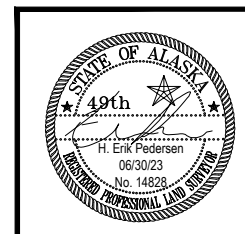
PE *Dillon Tomaro* Date: 5/31/24

EXISTING NOAA/USACE BENCH MARKS DO NOT DISTURB						
Point #	Northing	Easting	Elevation	Description	Station	Offset
101	2296080.45	2341612.33	23.62	3.5"BC_ NOAA/USACE BM_2438A	N/A	N/A
102	2296246.83	2341951.76	26.71	3.5"BC_ NOAA/USACE BM_2438B	N/A	N/A
103	2295950.64	2342189.87	23.38	3.5"BC_ NOAA/USACE BM_2438C	2+51.46	15.54R
104	2295740.97	2342337.53	22.15	3.5"BC_ NOAA/USACE BM_2238D	5+10.00	13.92R

ALL NOAA/USACE BENCH MARKS IN THIS TABLE SHALL NOT BE DISTURBED BY OR FROM ANY CONSTRUCTION ACTIVITIES.

USE FOR SURVEY CONTROL ONLY

POINT 101 PUBLISHED EL=23.81'  
 CONCRETE PAD IS SETTLING  
 RTK FROM POINT 103 GIVES ADJUSTED EL OF 23.62



STATE OF ALASKA  
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 AND PUBLIC FACILITIES  
 6860 Glacier Highway Juneau Ak. 99801  
 (907) 465-1763

HSIP: HNH HARBOR WAY  
 PEDESTRAIN IMPROVEMENTS

SURVEY CONTROL

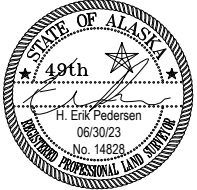
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	PENDING/SFH00528	2023	SCS 2	20

DRAWING LOCATION: G:\Hnh\SFH00528\SV\SOURCE DWGS\BASEMAP\Ped\_Walk\_SCS\_051022\_102720.dwg  
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 TIME: 12:19  
 LAYOUT: A2  
 SCALE: XREFS  
 DESIGNED: JFAP01  
 CHECKED: DIGNOTOV  
 DRAFTED: JFAP01



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PE *Dillon Tomaro* Date: 5/31/24



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 AND PUBLIC FACILITIES  
 6860 Glacier Highway Juneau Ak. 99801  
 (907) 465-1763

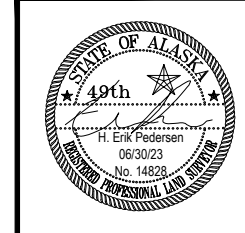
HSIP: HNH HARBOR WAY  
 PEDESTRAIN IMPROVEMENTS  
 SURVEY CONTROL

DRAWING LOCATION: G:\Hh\SFHWY00278\SV\SOURCE DWGS\BASEMAP\Ped\_Walk\_SCS\_051022\_102720.dwg  
 DATE TIME: 6/30/2023 12:19  
 LAYOUT: A3  
 SCALE:  
 XREFS:  
 DESIGNED: JFAPCI  
 CHECKED: DIGNOTOV  
 DRAFTED: JFAPCI

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	PENDING/SFHwy00528	2023	SCS 3	20

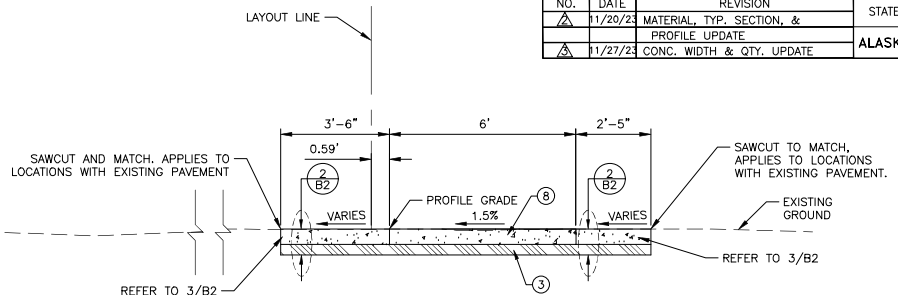
SIDEWALK M1 DESIGN ALIGNMENT									
SEGMENT	STATION	NORTHING	EASTING	DISTANCE	BEARING	STATION	RADIUS	LENGTH	DELTA
L1	0+53.98	2296109.64	2342075.24	164.33	S38° 47' 51"E	2+18.31			
L2	2+18.31	2295981.57	2342178.20	30.31	S49° 06' 52"E	2+48.62			
L3	2+48.62	2295961.73	2342201.12	19.40	S34° 14' 29"E	2+68.03			
L4	2+68.03	2295945.69	2342212.04	29.98	S18° 00' 41"E	2+98.01			
L5	2+98.01	2295917.18	2342221.31	166.92	S37° 17' 53"E	4+64.93			
L6	4+64.93	2295784.39	2342322.45	15.59	S52° 21' 39"E	4+80.52			
L7	4+80.52	2295774.87	2342334.80	12.01	S36° 47' 59"E	4+92.54			
L8	4+92.54	2295765.25	2342342.00	15.55	S21° 11' 56"E	5+08.09			
L9	5+08.09	2295750.75	2342347.62	42.56	S36° 18' 09"E	5+50.65			
L10	5+50.65	2295716.45	2342372.82	6.35	S28° 43' 15"E	5+56.99			
C1	5+56.99	2295710.89	2342375.87			5+65.40	11.20	8.41	43°01'18"
L11	5+65.40	2295702.74	2342376.90	3.77	S14° 18' 03"W	5+69.17			
C2	5+69.17	2295699.09	2342375.97			5+77.91	10.00	8.74	50°03'17"
L12	5+77.91	2295690.77	2342377.54	37.07	S35° 45' 14"E	6+14.97			
C3	6+14.97	2295660.69	2342399.20			6+23.54	9.20	8.56	53°19'29"
L13	6+23.54	2295656.87	2342406.52	4.00	S89° 04' 43"E	6+27.54			
C4	6+27.54	2295656.80	2342410.52			6+33.54	7.16	6.00	47°58'54"
L14	6+33.54	2295654.35	2342415.81	37.08	S41° 05' 49"E	6+70.62			
C5	6+70.62	2295626.41	2342440.18			6+72.26	73.50	1.64	1°16'54"
L15	6+72.26	2295625.16	2342441.25	102.27	S39° 48' 55"E	7+74.54			
L16	7+74.54	2295546.60	2342506.73	16.00	S35° 06' 08"E	7+90.54			
L17	7+90.54	2295533.51	2342515.93	8.95	S8° 33' 00"E	7+99.49			
L18	7+99.49	2295524.66	2342517.26	114.59	S35° 06' 08"E	9+14.08			
L19	9+14.08	2295430.91	2342583.16	8.94	S61° 40' 48"E	9+23.02			
L20	9+23.02	2295426.67	2342591.03	21.29	S35° 06' 08"E	9+44.31			
C6	9+44.31	2295409.25	2342603.27			9+82.11	85.22	37.80	25°24'48"
L21	9+82.11	2295374.59	2342617.55	57.16	S9° 41' 21"E	10+39.27			
C7	10+39.27	2295318.25	2342627.17			10+65.79	48.73	26.52	31°11'03"
L22	10+65.79	2295294.56	2342638.36	104.34	S40° 52' 24"E	11+70.13			
L23	11+70.13	2295215.66	2342706.64	30.65	S77° 54' 53"E	12+00.78			
L24	12+00.78	2295209.24	2342736.61	2.14	S47° 04' 13"E	12+02.92			
L25	12+02.92	2295207.78	2342738.18	1.50	N80° 42' 55"E	12+04.42			
C8	12+04.42	2295208.03	2342739.66			12+51.41	60.00	46.99	44°52'36"
L26	12+51.41	2295197.60	2342784.26	24.48	S54° 24' 29"E	12+75.90			

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.  
  
 PE *Dillon Tomaro* Date: 5/31/24

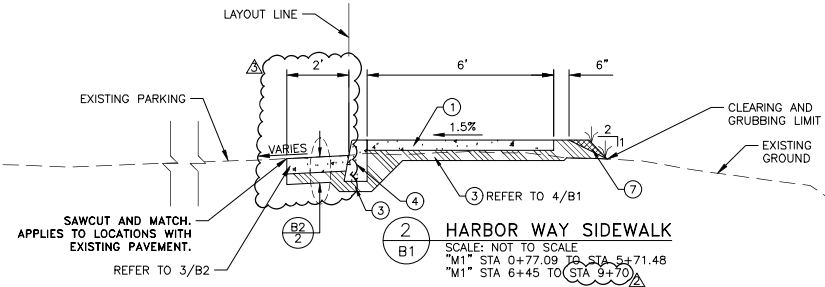


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**HSIP: HNH HARBOR WAY  
 PEDESTRAIN IMPROVEMENTS**  
  
**SURVEY CONTROL**

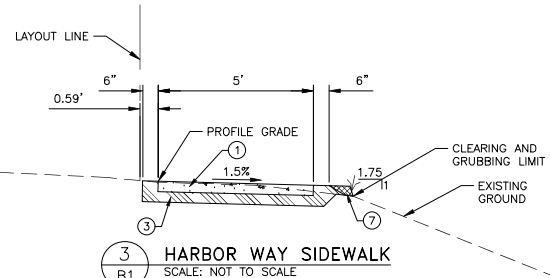
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
△	11/20/23	MATERIAL, TYP. SECTION, &	ALASKA	0003299/SFHWY00528	2023	B1	2
		PROFILE UPDATE					
△	11/27/23	CONC. WIDTH & QTY. UPDATE					



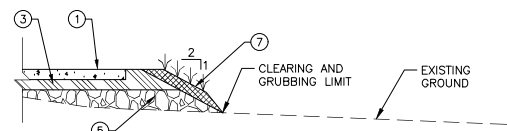
**1 HARBOR WAY SIDEWALK**  
SCALE: NOT TO SCALE  
"M1" STA 0+58.68 TO STA 0+77.09



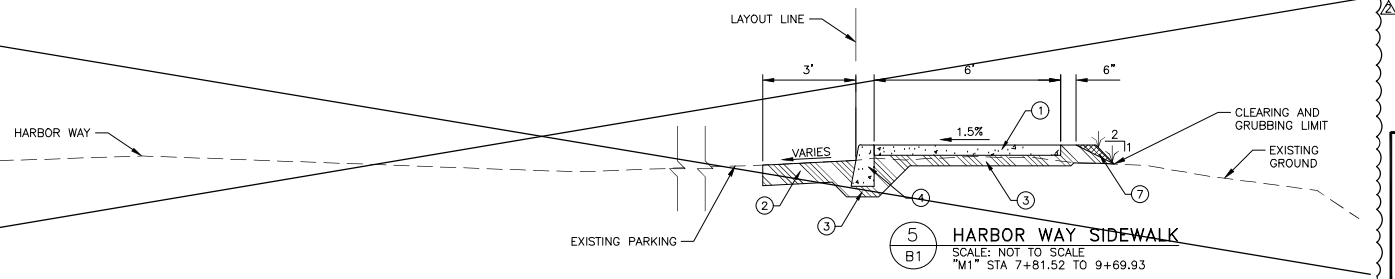
**2 HARBOR WAY SIDEWALK**  
SCALE: NOT TO SCALE  
"M1" STA 0+77.09 TO STA 5+71.48  
"M1" STA 6+45 TO STA 9+70



**3 HARBOR WAY SIDEWALK**  
SCALE: NOT TO SCALE  
"M1" STA 5+71.48 TO STA 6+45



**4 HARBOR WAY SIDEWALK**  
SCALE: NOT TO SCALE  
"M1" STA 6+45 TO STA 7+25



**5 HARBOR WAY SIDEWALK**  
SCALE: NOT TO SCALE  
"M1" STA 7+81.52 TO 9+69.93

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PE *Dillon Tomaro* Date: 5/31/24

**LEGEND**

- ① 4" CONCRETE SIDEWALK
- ② 6" AGGREGATE BASE COURSE, GRADING D-1
- ③ 4" BED COURSE MATERIAL, GRADING D-1
- ④ CURB, PER DETAIL 4/E5
- ⑤ SUBBASE, GRADING A
- ⑥ STANDARD CURB AND GUTTER
- ⑦ 4" AGGREGATE BASE COURSE, GRADING D-1  
~~SEEDING, 5CM AND 4" OF TOPSOIL ON DISTURBED~~

SLOPES UNLESS OTHERWISE SPECIFIED

- ⑧ 6" CONCRETE SIDEWALK
- ⑨ 6" CONCRETE PAVEMENT
- ⑩ 6" BED COURSE MATERIAL, GRADING D-1

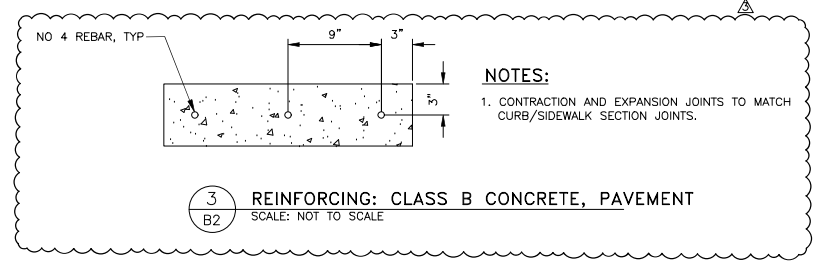
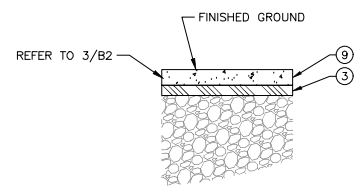
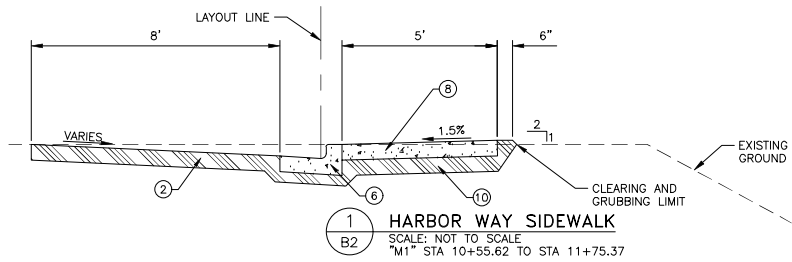
STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
HSIP: HNH HARBOR WAY PEDESTRIAN  
IMPROVEMENTS

TYPICAL SECTIONS

FILE: Q:\hnh\SFH\00275A\Project\00528\_B.dwg DATE: 11/28/2023 1:14 LAYOUT B1 DESIGNED DD CHECKED BP DRAFTED MS

Attachment 3

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
△	11/27/23	CONC. WIDTH & QTY. UPDATE	ALASKA	0003299/SFHWY00528	2023	B2	2



**LEGEND**

- ① 4" CONCRETE SIDEWALK
- ② 6" AGGREGATE BASE COURSE, GRADING D-1
- ③ 4" BED COURSE MATERIAL, GRADING D-1
- ④ CURB, PER DETAIL 4/ES
- ⑤ SUBBASE, GRADING A
- ⑥ STANDARD CURB AND GUTTER
- ⑦ SEEDING, BFM AND 4" OF TOPSOIL ON DISTURBED SLOPES UNLESS OTHERWISE SPECIFIED
- ⑧ 6" CONCRETE SIDEWALK
- ⑨ 6" CONCRETE PAVEMENT
- ⑩ 6" BED COURSE MATERIAL, GRADING D-1

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE *Dillon Tomaro* Date: 5/31/24

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
HSIP: HNH HARBOR WAY PEDESTRIAN IMPROVEMENTS

TYPICAL SECTIONS

FILE G:\hnh\SFH00278A\Project\00528\_B.dwg DATE 11/28/2023 13:14 LAYOUT B2 DESIGNED DD CHECKED BP DRAFTED MS


FILE | C:\hnh\SFH\00229\Planest\00229\_C1.dwg | DATE: 11/28/2023 14:02 | LAYOUT: | CT: EST - Q | DESIGNED: | DD, CI | CHECKED: BP | DRAFTED: MS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	11/17/23	DRIVEWAY CUT ADDED & QTY. UPDATE	ALASKA	0003299/SFH\00528	2023	C1	1
2	11/21/23	MATERIAL, TYP., SECTION, & PROFILE UPDATE					
3	11/27/23	CONC. WIDTH & QTY. UPDATE					
4	11/28/23	MISC.ITEM/QTY. UPDATE					

ESTIMATE OF QUANTITIES			
ITEM NO	PAY ITEM	PAY UNIT	QUANTITY
201.0009.0000	CLEARING AND GRUBBING	LUMP SUM	ALL REQUIRED
201.2001.0000	INVASIVE PLANTS SPECIES CONTROL, REMOVAL, AND DISPOSAL	SQUARE YARD	9
202.0002.0000	REMOVAL OF PAVEMENT	SQUARE YARD	84.1
202.0003.0000	REMOVAL OF SIDEWALK	SQUARE YARD	14
203.0003.0000	UNCLASSIFIED EXCAVATION	CUBIC YARD	-199.236
<del>203.0003.0000</del>	<del>BORROW CHOT ROCK</del>	<del>CUBIC YARD</del>	<del>287</del>
<del>203.0003.0000</del>	<del>BORROW PIPE B</del>	<del>CUBIC YARD</del>	<del>25</del>
301.0002.00D1	AGGREGATE BASE COURSE, GRADING D-1	CUBIC YARD	-194.198.33
<del>301.0004.00F1</del>	<del>AGGREGATE SURFACE COURSE, GRADING F-1</del>	<del>CUBIC YARD</del>	<del>224</del>
304.0002.000A	SUBBASE, GRADING A	CUBIC YARD	10
503.0001.0000	REINFORCING STEEL	LUMP SUM	ALL REQUIRED
<del>503.0001.0000</del>	<del>STRUCTURAL STEEL</del>	<del>LUMP SUM</del>	<del>ALL REQUIRED</del>
<del>504.2000.0000</del>	<del>DEEP-RIPATED STEEL BRIDGE TRUSS (DRY)</del>	<del>EACH</del>	<del>1</del>
<del>505.0005.0000</del>	<del>FURNISH STRUCTURAL STEEL PIPE PILES, 1'-0"</del>	<del>LINEAR FOOT</del>	<del>600</del>
<del>505.0006.0000</del>	<del>DRIVE STRUCTURAL STEEL PIPE PILES, 1'-0"</del>	<del>EACH</del>	<del>6</del>
<del>508.0000.0000</del>	<del>BOARDWALK, DRAINWATER</del>	<del>LUMP SUM</del>	<del>ALL REQUIRED</del>
550.0003.0000	CLASS B CONCRETE, PAVEMENT	CUBIC YARD	41
606.2000.0000	BOLLARD	EACH	3
608.0001.0004	CONCRETE SIDEWALK, 4 INCHES THICK	SQUARE YARD	420
608.0001.0006	CONCRETE SIDEWALK, 6 INCHES THICK	SQUARE YARD	250
608.0006.0000	CURB RAMP	EACH	2
609.0001.0001	CURB, TYPE 1	LINEAR FOOT	-849.806.42
609.0002.0001	CURB AND GUTTER, TYPE 1	LINEAR FOOT	114
609.2000.0000	CURB, DRAIN	EACH	1
<del>644.0004.0001</del>	<del>RIPRAP, CLASS I</del>	<del>CUBIC YARD</del>	<del>101</del>
<del>644.0004.0002</del>	<del>RIPRAP, CLASS II</del>	<del>CUBIC YARD</del>	<del>956</del>
<del>644.2005.0000</del>	<del>SEWER PIPING</del>	<del>CUBIC YARD</del>	<del>3,044</del>
<del>618.0001.0000</del>	<del>SEEDING</del>	<del>SQUARE YARD</del>	<del>128</del>
619.2013.0000	BONDED FIBER MATRIX (BFM)	POUND	107
620.0001.0000	TOPSOIL	SQUARE YARD	120
627.0010.0000	ADJUSTMENT OF VALVE BOX	EACH	2
<del>636.0002.0001</del>	<del>GEOTEXTILE, STABILIZATION, CLASS I</del>	<del>SQUARE YARD</del>	<del>2,588</del>
639.0001.0000	DRIVEWAY	EACH	8
640.0001.0000	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED
640.0004.0000	WORKER MEALS AND LODGING, OR PER DIEM	LUMP SUM	ALL REQUIRED
<del>641.0001.0000</del>	<del>EROSION, SEDIMENT AND POLLUTION CONTROL ADMINISTRATION</del>	<del>LUMP SUM</del>	<del>ALL REQUIRED</del>
<del>641.0002.0000</del>	<del>TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL</del>	<del>LUMP SUM</del>	<del>ALL REQUIRED</del>
<del>644.0002.0000</del>	<del>TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL BY DIRECTIVE</del>	<del>CONTINGENT SUM</del>	<del>ALL REQUIRED</del>
<del>641.0002.0000</del>	<del>WITH HOLDING</del>	<del>CONTINGENT SUM</del>	<del>ALL REQUIRED</del>
<del>641.0002.0000</del>	<del>WITH HOLDING</del>	<del>CONTINGENT SUM</del>	<del>ALL REQUIRED</del>
<del>641.0002.0000</del>	<del>WITH HOLDING</del>	<del>CONTINGENT SUM</del>	<del>ALL REQUIRED</del>
<del>642.0001.0000</del>	<del>CONSTRUCTION SURVEYING</del>	<del>LUMP SUM</del>	<del>ALL REQUIRED</del>
642.0001.0000	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQUIRED
642.0003.0000	THREE PERSON SURVEY PARTY	HOURL	23
<del>642.0003.0000</del>	<del>ADJUST EXISTING MONUMENT</del>	<del>EACH</del>	<del>2</del>
643.0002.0000	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED
643.0003.0000	PERMANENT CONSTRUCTION SIGNS	LUMP SUM	ALL REQUIRED
643.0023.0000	TRAFFIC PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED
643.0025.0000	TRAFFIC CONTROL	CONTINGENT SUM	ALL REQUIRED
<del>643.0002.0000</del>	<del>FLAGGING</del>	<del>CONTINGENT SUM</del>	<del>ALL REQUIRED</del>
644.0001.0000	FIELD OFFICE	LUMP SUM	ALL REQUIRED
644.0006.0000	VEHICLE	LUMP SUM	ALL REQUIRED
644.2004.0000	ENGINEERING COMMUNICATIONS	CONTINGENT SUM	ALL REQUIRED
<del>651.0001.0000</del>	<del>MARINE MAMMAL MONITORING</del>	<del>LUMP SUM</del>	<del>ALL REQUIRED</del>
658.0001.0000	EROSION, SEDIMENT, AND POLLUTION CONTROL WITHOUT CGP COVERAGE	LUMP SUM	ALL REQUIRED
658.0002.0000	ESCP CHANGES BY DIRECTIVE	CONTINGENT SUM	ALL REQUIRED
670.0001.0000	PAINTED TRAFFIC MARKINGS	LUMP SUM	ALL REQUIRED

BASIS OF ESTIMATE		
ITEM NO.	ITEM	ESTIMATING FACTOR
503.0001.0000	REINFORCING STEEL	3,005 POUNDS
618.0004.0000	SEEDING	1.2 LB/1000 SF
619.2013.0000	HYDRAULIC GROWTH MEDIUM	3500 LB/ACRE
	BONDED FIBER MATRIX (BFM)	4000 LB/ACRE
670.0001.0000	4" SOLID WHITE	860 LINEAR FOOT
	4" SOLID BLUE	864 LINEAR FOOT
	24" SOLID WHITE	186 LINEAR FOOT
	PAINTED ADA PARKING MARKING	8 EACH

ESTIMATE OF QUANTITIES			
ITEM NO	PAY ITEM	PAY UNIT	ACTUAL QUANTITY
201.0003.0000	Clearing and Grubbing	LS	ALL REQUIRED
201.2001.0000	Invasive Plant Species Control, Removal, and Disposal	SY	8.67
202.0002.0000	Removal of Pavement	SY	842.00
202.0003.0000	Removal of Sidewalk	SY	14.30
203.0003.0000	Unclassified Excavation	CY	163.60
301.0001.00D1	Aggregate Base Course, Grading D-1	CY	183.59
304.0002.000A	Subbase, Grading A	CY	12.90
503.0001.0000	Reinforcing Steel	LS	ALL REQUIRED
550.0003.0000	Class B Concrete, Pavement	CY	41.00
606.2000.0000	Bollard	EACH	0.00
608.0001.0004	Concrete Sidewalk, 4 inches thick	SY	420.35
608.0001.0006	Concrete Sidewalk, 6 inches thick	SY	200.23
608.0006.0000	Curb Ramp	EACH	1.00
609.0001.0001	Curb, Type 1	LF	805.00
609.0002.0001	Curb and Gutter, Type 1	LF	0.00
609.2000.0000	Curb Drain	EACH	0.00
618.0002.0000	Seeding (Item deleted via CO-2)	SY	0.00
619.2013.0000	Bonded Fiber Matrix (BFM) (Item deleted via CO-2)	LB	0.00
620.0001.0000	Topsoil (Item deleted via CO-2)	SY	0.00
627.0010.0000	Adjustment of Valve Box	EACH	2.00
639.0001.0000	Driveway	EACH	8.00
640.0001.0000	Mobilization and Demobilization	LS	0.00
640.0004.0000	Worker Meals and Lodging, or Per Diem	LS	0.00
642.0001.0000	Construction Surveying	LS	0.00
642.0003.0000	Three Person Survey Party	HOURL	3.00
643.0002.0000	Traffic Maintenance	LS	0.00
643.0003.0000	Permanent Construction Signs	LS	0.00
643.0023.0000	Traffic Price Adjustment	CS	0.00
643.0025.0000	Traffic Control	CS	0.00
644.0001.0000	Field Office	LS	0.00
644.0006.0000	Vehicle	LS	0.00
644.2004.0000	Engineering Communications	CS	534.47
658.0001.0000	Erosion, Sediment, and Pollution Control Without CGP Coverage	LS	0.00
658.0002.0000	ESCP Changes by Directive	CS	0.00
670.0001.0000	Painted Traffic Markings	LS	ALL REQUIRED
608.2024.0000	Sidewalk Improvements - Concrete Fiber Mesh (CO-1)	LS	ALL REQUIRED
640.0001.0000	Mobilization and Demobilization - Adjusted Quantity For Reduction of Work (CO-3)	LS	ALL REQUIRED
640.0004.0000	Worker Meals and Lodging, or Per Diem - Adjusted Quantity For Reduction of Work (CO-3)	LS	ALL REQUIRED
642.0001.0000	Construction Surveying - Adjusted Quantity For Reduction of Work (CO-3)	LS	ALL REQUIRED
643.0002.0000	Traffic Maintenance - Adjusted Quantity For Reduction of Work (CO-3)	LS	ALL REQUIRED
643.0003.0000	Permanent Construction Signs - Adjusted Quantity For Reduction of Work (CO-3)	LS	ALL REQUIRED
644.0001.0000	Field Office - Adjusted Quantity For Reduction of Work (CO-3)	LS	ALL REQUIRED
644.0006.0000	Vehicle - Adjusted Quantity For Reduction of Work (CO-3)	LS	ALL REQUIRED
658.0001.0000	Erosion, Sediment, and Pollution Control Without CGP Coverage - Adjusted Quantity For Reduction of Work (CO-3)	LS	ALL REQUIRED

LEGEND  
 = NOT IN CONTRACT

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE *Dillon Tomaro* Date: 5/31/24



STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 HSIP: HNH HARBOR WAY PEDESTRIAN IMPROVEMENTS

11/28/2023

ESTIMATE OF QUANTITIES

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE *Dillon Tomaro* Date: 5/31/24

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
△	11/17/23	DRIVEWAY CUT ADDED & QTY. UPDATE	ALASKA	0003299/SFHWHY00528	2023	D1	1
△	1/27/23	CONC. WIDTH & QTY. UPDATE					
△	1/28/23	MISC. ITEM/QTY. UPDATE					

201.0009.0000 CLEARING AND GRUBBING				
BEGIN	END	OFFSET	AREA (SY)	REMARKS
02+95.00	04+65.00	RT	22	
05+06.00	07+68.00	RT & LT	165	
Line "M1"			TOTAL =	187

201.2001.0000 INVASIVE PLANT SPECIES CONTROL, REMOVAL, AND DISPOSAL				
STATION	OFFSET	AREA (SY)	SPECIES	REMARKS
"M1" 2+18.50	36.56' RT	2	REED CANARY GRASS	4' x 4'
"M1" 7+31.32	18' 11" RT	5	RFFD CANARY GRASS	4' x 12'
"M1" 2+42.18	18.86' RT	2	REED CANARY GRASS	3.5' X 4'
TOTAL =			9	

608.0006.0000 CURB RAMP			
STATION	OFFSET	EACH	REMARKS
9+70	RT	1	
10+55	RT	1	
Line "M1"			TOTAL = 2

609.0001.0001 CURB, TYPE 1				
BEGIN	END	OFFSET	LENGTH (FT)	REMARKS
0+77.09	5+61.60	RT	494	INSTALL PER DETAILS 3/E5 & 4/E5
6+49.00	9+70.00	RT	325	INSTALL PER DETAILS 3/E5 & 4/E5
Line "M1"			TOTAL =	806.42

202.0002.0000 REMOVAL OF PAVEMENT				
BEGIN	END	OFFSET	AREA (SY)	REMARKS
00+58.66	05+77.61	RT & LT	612	
06+52.11	9+70.00	RT & LT	229	
Line "M1"			TOTAL =	841

506.2000.0000 BOARDWALK, BREAKWATER		
PART	QUANTITY EACH	REMARKS
26" Glulam Beams	184	See Detail 1/E2
14" Glulam Beams	10	See Detail 3/E2
8" Glulam Beams	30	See Detail 4/E2
Thru Rods	505	See Detail 4/E1
Rod Washers	2020	See Detail 3/E1
Rod Nuts	2020	See Detail 3/E1
Straight Brackets	376	See Detail 1/E1
176 Degree Outside Angled Brackets	12	See Detail 1/E3
176 Degree Inside Angled Brackets	12	See Detail 3/E3
174 Degree Outside Angled Brackets	18	See Detail 1/E4
174 Degree Inside Angled Brackets	18	See Detail 3/E4
Bracket Bolts	436	See Detail 2/E1
Bracket Nuts	436	See Detail 2/E1
Bracket Washers	872	See Detail 2/E1
26" Glulam Rails	184	See Detail 3/E2
14" Glulam Rails	10	See Detail 3/E2
8" Glulam Rails	30	See Detail 4/E2
Glulam Rail Lag Bolts	1204	See Detail 3/E1
Glulam Rail Washers	1204	See Detail 3/E1
Glulam Rail Blocks	1204	See Detail 3/E1

202.0003.0000 REMOVAL OF SIDEWALK				
BEGIN	END	OFFSET	AREA (SY)	REMARKS
05+77.83	06+01.53	RT	14	
Line "M1"			TOTAL =	14

606.2000.0000 BOLLARD			
STATION	OFFSET	EACH	REMARKS
11+08.00	15.5 LT	1	
11+25.00	15.5 LT	1	
11+42.00	15.5 LT	1	
Line "M1"			TOTAL = 3

609.0002.0001 CURB AND GUTTER, TYPE 1				
BEGIN	END	OFFSET	LENGTH (FT)	REMARKS
10+55.69	11+69.71	RT	114	STANDARD CURB AND GUTTER, PER I-20.20
Line "M1"			TOTAL =	114

609.2000.0000 CURB, DRAIN			
STATION	OFFSET	EACH	REMARKS
11+04.42	RT	1	INSTALL PER DETAILS 1/E5 & 2/E5
Line "M1"			TOTAL = 1

627.0010.0000 ADJUSTMENT OF VALVE BOX			
STATION	OFFSET	QUANTITY (EA)	REMARKS
0+66.53	6.85 RT	1	
0+94.37	7.90 RT	1	
Line "M1"			TOTAL = 2

630.0002.0001 GEOTEXTILE, STABILIZATION, CLASS 1				
BEGIN	END	LENGTH	AREA (SY)	REMARKS
3+02.89	14+70.84	1367.95	1210.77	Path CL
15+38.11	28+56.07	1318.56	1366.91	Path CL
Line "M2"			TOTAL =	2580

608.0001.0004 CONCRETE SIDEWALK, 4 INCHES THICK				
BEGIN	END	OFFSET	AREA (SY)	REMARKS
0+84.09	1+05.00	RT	14	
1+39.00	1+51.72	RT	9	
1+69.72	2+42.22	RT	49	
2+75.82	3+31.00	RT	38	
3+65.00	4+71.64	RT	72	
5+01.32	6+95.00	RT	124	
7+29.00	7+61.44	RT	22	
7+87.57	8+26.00	RT	26	
8+60.00	9+62.59	RT	68	
Line "M1"			TOTAL =	420

639.0001.0000 DRIVEWAY						
STATION	OFFSET	WIDTH (FT)		DEPTH (FT)	QUANTITY (EA)	REMARKS
		FRONT	BACK			
01+22.00	RT				1	DRIVEWAY CUT FOR SNOW REMOVAL
01+60.72	RT	4.0	4.0	8.7	1	CONCRETE
02+58.96	RT	15.9	15.7	10.52 (LT) 7.86 (RT)	1	CONCRETE
03+31.00	RT				1	DRIVEWAY CUT FOR SNOW REMOVAL
04+86.51	RT	12.0	11.8	8.6	1	CONCRETE
07+12.00	RT				1	DRIVEWAY CUT FOR SNOW REMOVAL
07+74.47	RT	11.5	11.6	9.76 (RT) 9.98 (LT)	1	CONCRETE
08+43.00	RT				1	DRIVEWAY CUT FOR SNOW REMOVAL
Line "M1"					TOTAL =	8

608.0001.0006 CONCRETE SIDEWALK, 6 INCHES THICK				
BEGIN	END	OFFSET	AREA (SY)	REMARKS
00+53.98	00+84.09	RT	21	
01+05.00	01+39.00	RT	23	20' DWY CL @ 1+22.00. REFER TO DETAIL 1/E6
01+51.72	01+69.72	RT	12	4' DWY CL @ 1+60.72. REFER TO DETAIL 1/E6
02+42.22	02+75.82	RT	21	15.94' DWY CL @ 2+58.96. REFER TO DETAIL 1/E6
03+31.00	03+65.00	RT	23	20' DWY CL @ 3+48.00. REFER TO DETAIL 1/E6
04+71.64	05+01.32	RT	19	12.10' DWY CL @ 4+86.51. REFER TO DETAIL 1/E6
06+95.00	07+29.00	RT	23	20' DWY CL @ 7+12.00. REFER TO DETAIL 1/E6
07+61.44	07+87.57	RT	17	12.0' DWY CL @ 7+74.47. REFER TO DETAIL 1/E6
08+26.00	08+60.00	RT	23	20' DWY CL @ 8+43.00. REFER TO DETAIL 1/E6
09+62.59	09+70.02	RT	5	
10+59.69	11+70.10	RT	65	
Line "M1"			TOTAL =	250

550.0003.0000 CLASS B CONCRETE, PAVEMENT				
BEGIN	END	OFFSET	VOLUME (C.Y)	REMARKS
0+58.66	5+70.65	LT	25	
6+47.10	9+70	LT	16	
Line "M1"			TOTAL =	41



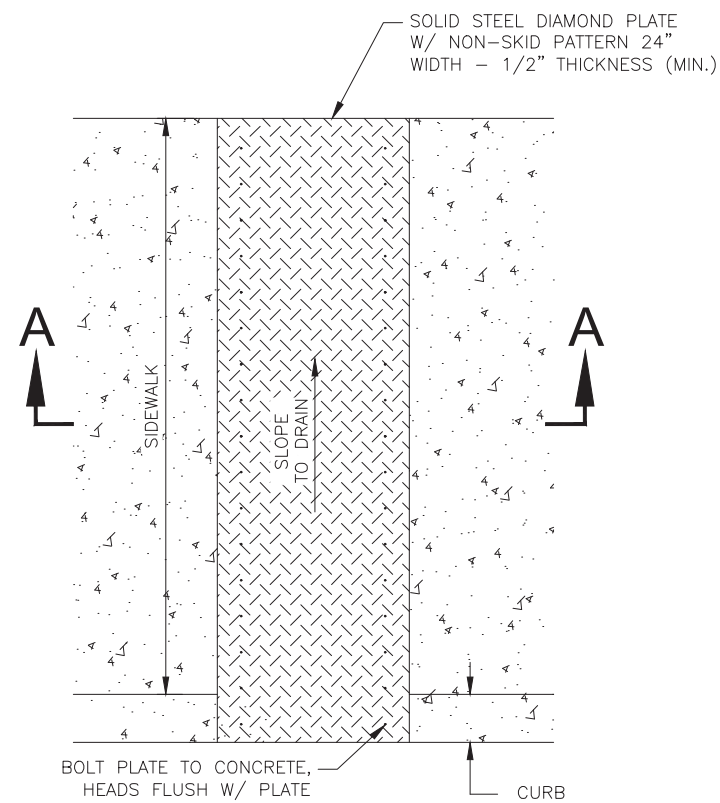
STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
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HSIP: HNH HARBOR WAY PEDESTRIAN  
IMPROVEMENTS

SUMMARIES

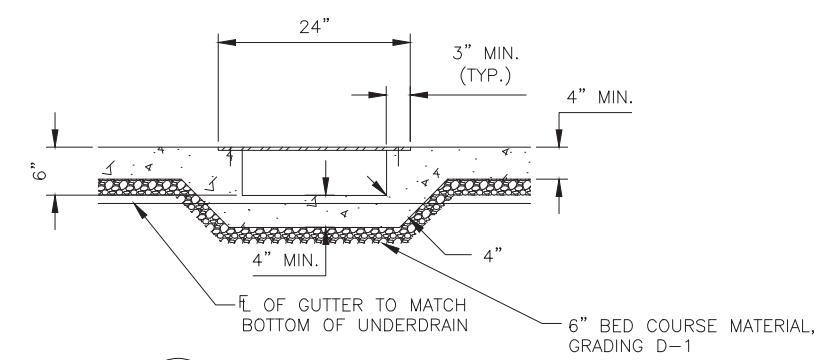
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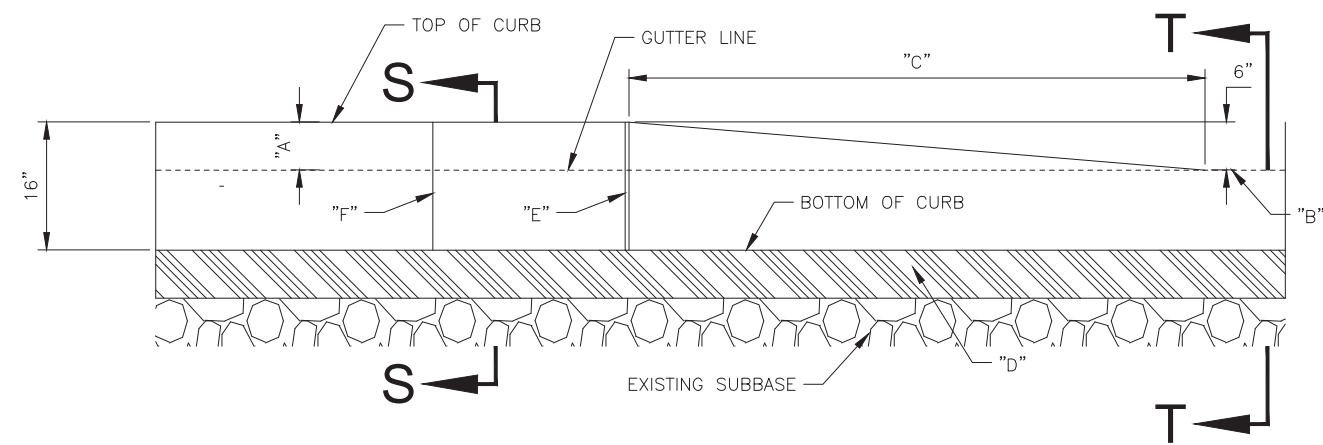
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	PENDING/SFHWY00528	2023	E5	2



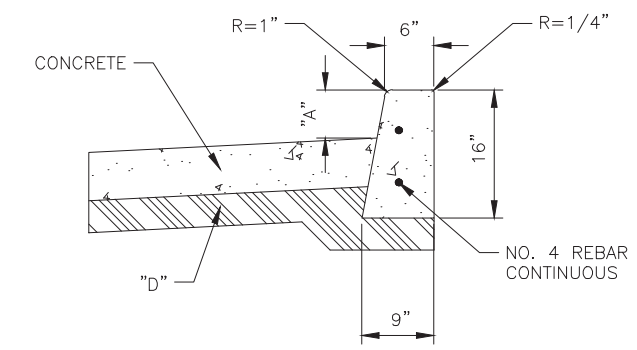
1 SIDEWALK CROSS-RAIN DETAIL  
E5 SCALE: NOT TO SCALE



2 SECTION A-A  
E5 SCALE: NOT TO SCALE



3 STANDARD VERTICAL CURB  
E5 SCALE: NOT TO SCALE



4 SECTION S-S & SECTION T-T  
E5 SCALE: NOT TO SCALE

NOTES:

- "A" CURB EXPOSURE, STANDARD 6", VARY AS SHOWN ON TYPICAL SECTION, OR AS DIRECTED.
- "B" CURB EXPOSURE ADJACENT TO DRIVEWAY, STANDARD 0", OR AS DIRECTED.
- "C" DRIVEWAY APRON, STANDARD RESIDENTIAL AND COMMERCIAL 6' MIN., OR AS DIRECTED.
- "D" BASE COURSE, GRADING D-1.
- "E" EXPANSION JOINTS, MAX. 30' SPACING AND AT BEGINNING AND END OF CURVES OR AS DIRECTED.
- "F" CONTRACTION JOINTS, MAX. 10' SPACING AND AT LOCATIONS AS DIRECTED.

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

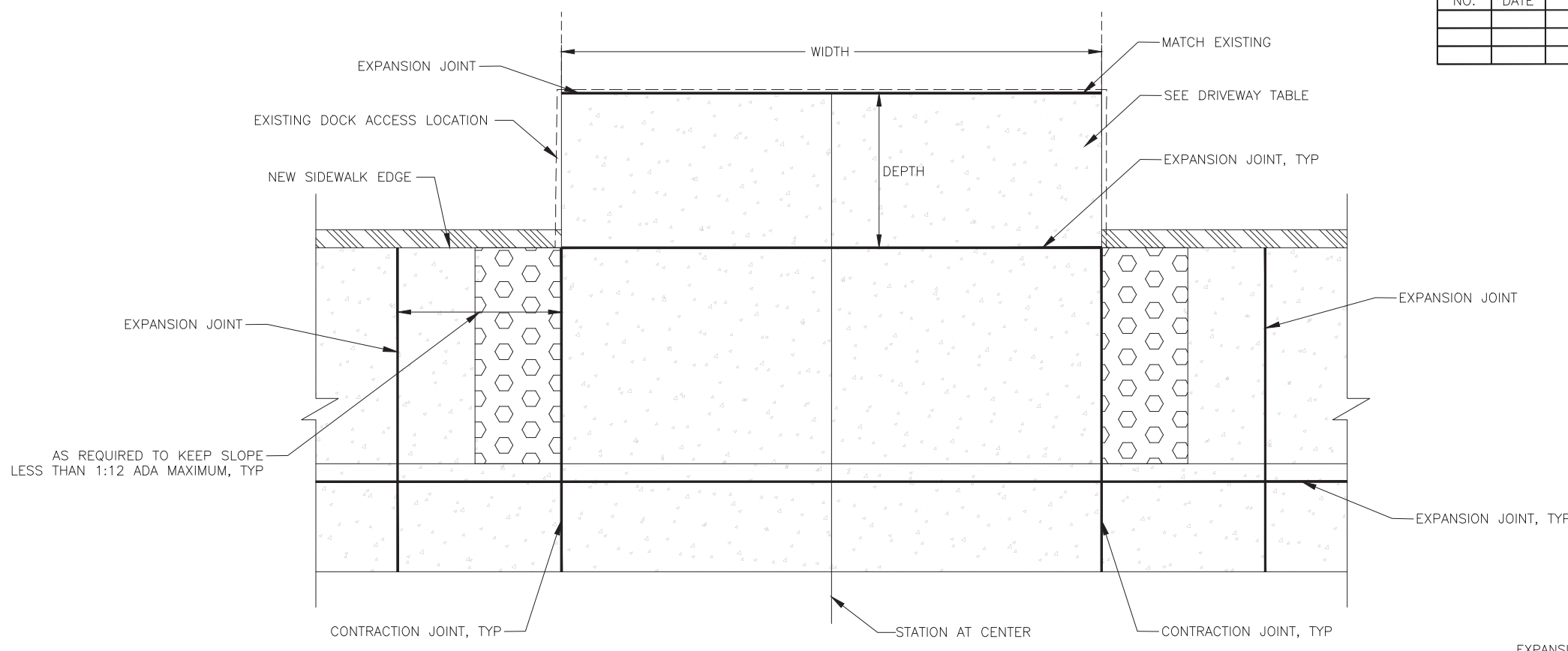
PE *Dillon Tomaro* Date: 5/31/24

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES

**HSIP: HNH HARBOR WAY PEDESTRIAN IMPROVEMENTS**

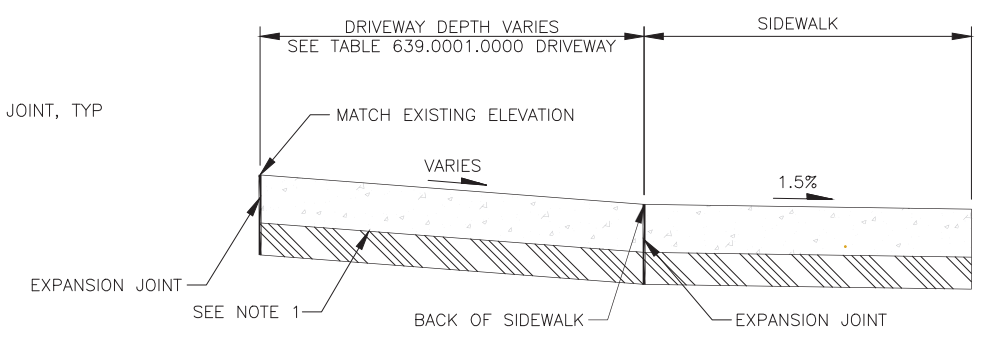
MISCELLANEOUS DETAILS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	PENDING/SFHWHY00528	2023	E6	2



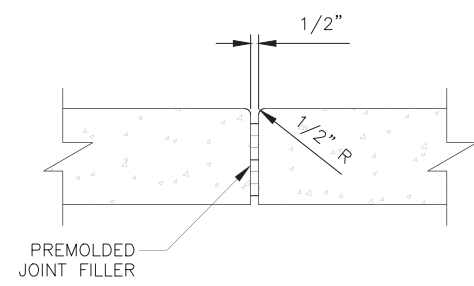
**DRIVEWAY NOTES:**

- FOR CONCRETE DRIVEWAYS USE:  
6" CONCRETE  
4" AGGREGATE BASE COURSE, D-1

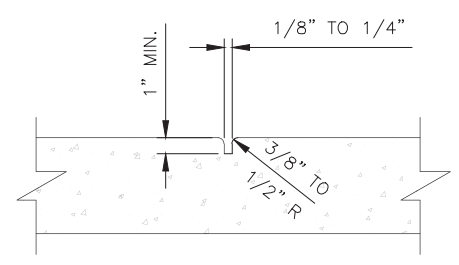


**1 DRIVEWAY CURB CUT & PAVED APPROACH**  
SCALE: N.T.S.

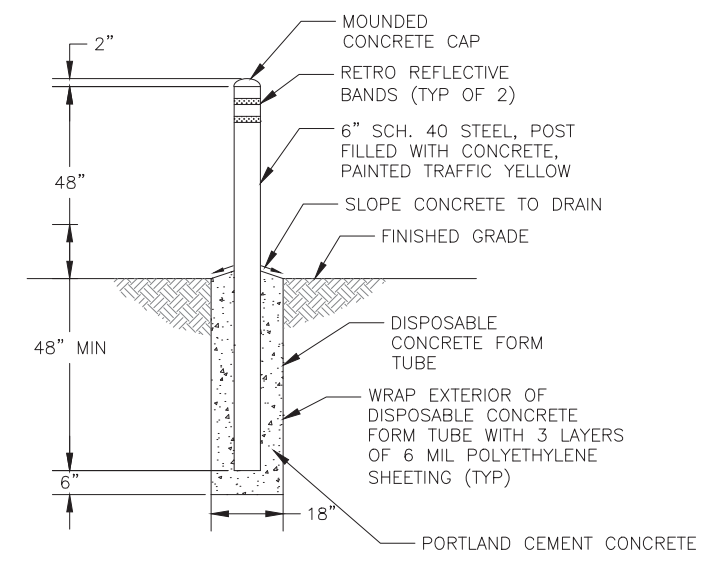
**2 DRIVEWAYS**  
SCALE: NOT TO SCALE



**3 EXPANSION JOINT**  
SCALE: NOT TO SCALE



**4 CONTRACTION JOINT**  
SCALE: NOT TO SCALE



**5 BOLLARD DETAIL**  
SCALE: NOT TO SCALE

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE *Dillon Tomaro* Date: 5/31/24

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
HSIP: HNH HARBOR WAY PEDESTRIAN  
IMPROVEMENTS

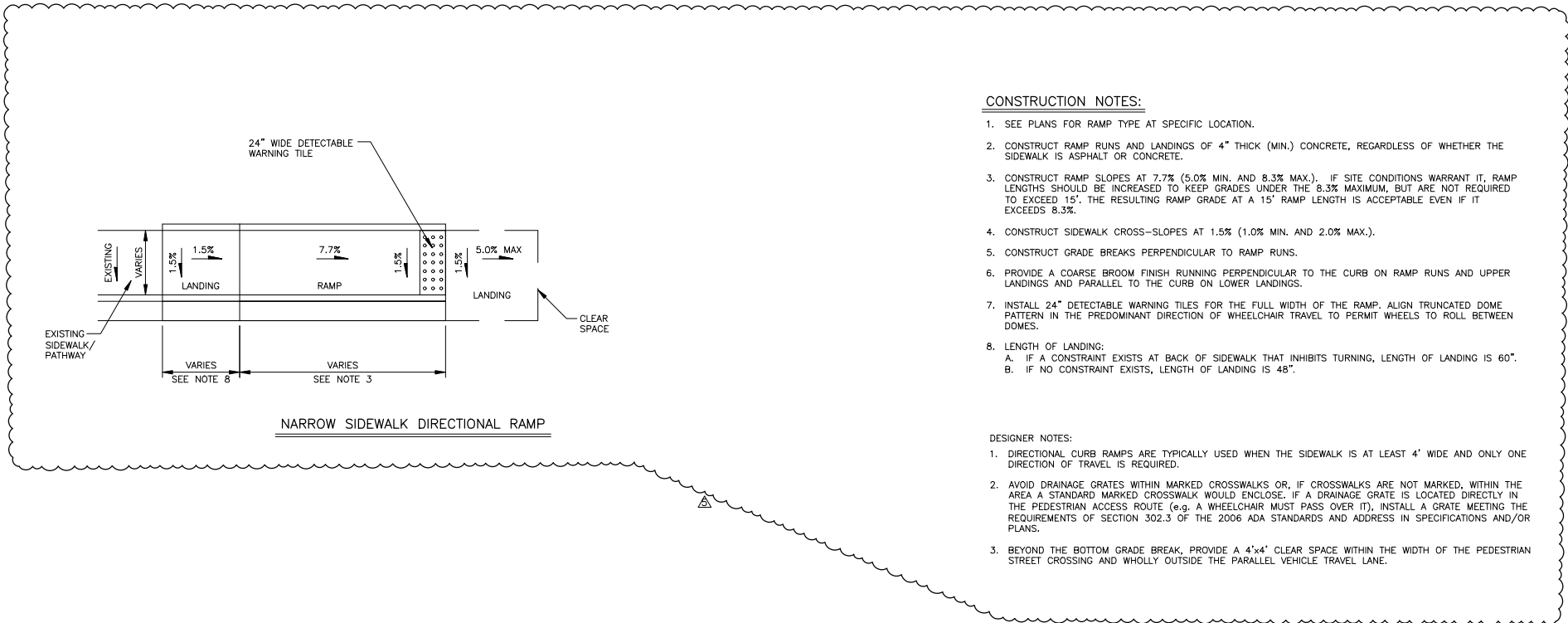
MISCELLANEOUS DETAILS

FILE G:\Hnh\SFHWHY00278\Planset\00278\_E.dwg DATE 8/24/2023 9:29 LAYOUT E6 DESIGNED DD CHECKED BP DRAFTED MS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	12/4/23	SIDEWALK DIRECTIONAL RAMP	ALASKA	0003299/SFHWHY00528	2023	E7	7



FILE G:\HNH\SFHWHY00278\Project\00528\_E.dwg  
 DATE 12/4/2023 13:54 LAYOUT E7  
 DESIGNED DD  
 CHECKED BP  
 DRAFTED MS



**CONSTRUCTION NOTES:**

- SEE PLANS FOR RAMP TYPE AT SPECIFIC LOCATION.
- 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:
  - IF A CONSTRAINT EXISTS AT BACK OF SIDEWALK THAT INHIBITS TURNING, LENGTH OF LANDING IS 60".
  - IF NO CONSTRAINT EXISTS, LENGTH OF LANDING IS 48".

**DESIGNER NOTES:**

- DIRECTIONAL CURB RAMPS ARE TYPICALLY USED WHEN THE SIDEWALK IS AT LEAST 4' WIDE AND ONLY ONE DIRECTION OF TRAVEL IS REQUIRED.
- AVOID DRAINAGE GRATES WITHIN MARKED CROSSWALKS OR, IF CROSSWALKS ARE NOT MARKED, WITHIN THE AREA A STANDARD MARKED CROSSWALK WOULD ENCLOSE. IF A DRAINAGE GRATE IS LOCATED DIRECTLY IN THE PEDESTRIAN ACCESS ROUTE (e.g. A WHEELCHAIR MUST PASS OVER IT), INSTALL A GRATE MEETING THE REQUIREMENTS OF SECTION 302.3 OF THE 2006 ADA STANDARDS AND ADDRESS IN SPECIFICATIONS AND/OR PLANS.
- BEYOND THE BOTTOM GRADE BREAK, PROVIDE A 4'-x4' CLEAR SPACE WITHIN THE WIDTH OF THE PEDESTRIAN STREET CROSSING AND WHOLLY OUTSIDE THE PARALLEL VEHICLE TRAVEL LANE.

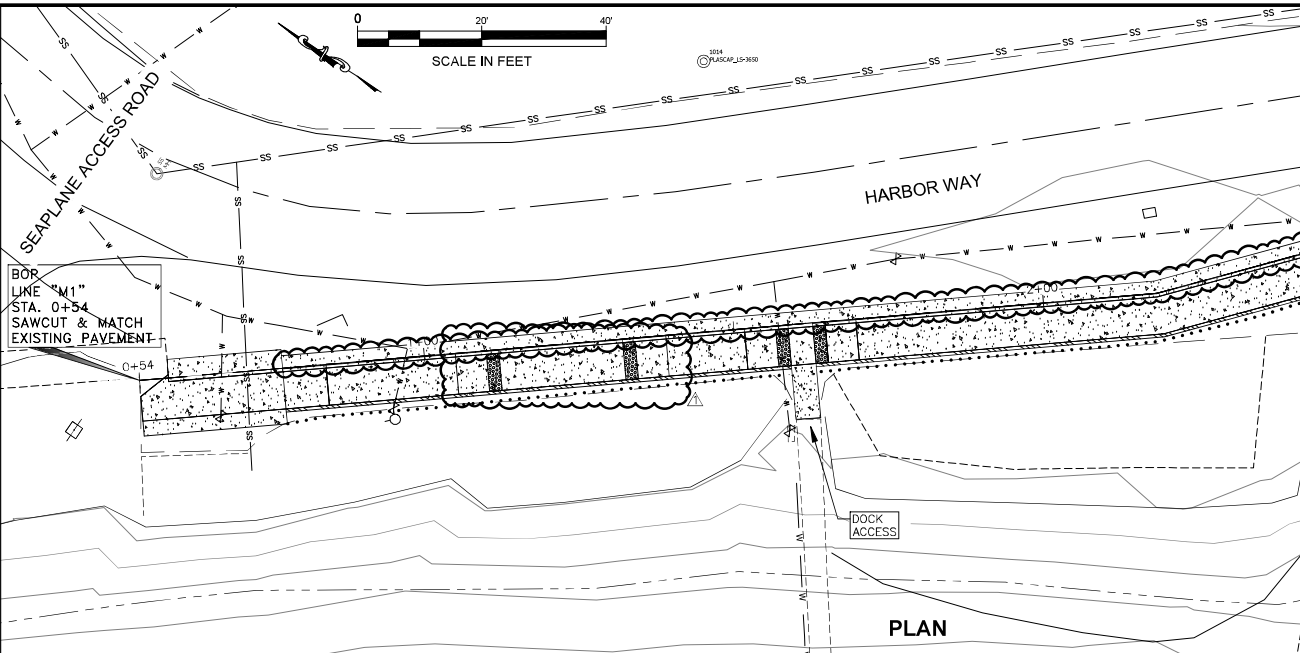
Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE *Dillon Tomaro* Date: 5/31/24

STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
**HSIP: HNH HARBOR WAY PEDESTRIAN IMPROVEMENTS**  
 MISCELLANEOUS DETAILS

Attachment 6

FIRM STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
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 ADDRESS 8840 SLACER HWY, JUNEAU, AK 99811  
 PHONE 907 465-1783  
 DESIGNED DD, CI  
 CHECKED BP  
 DRAFTED MS  
 CERTIFICATE OF AUTH #



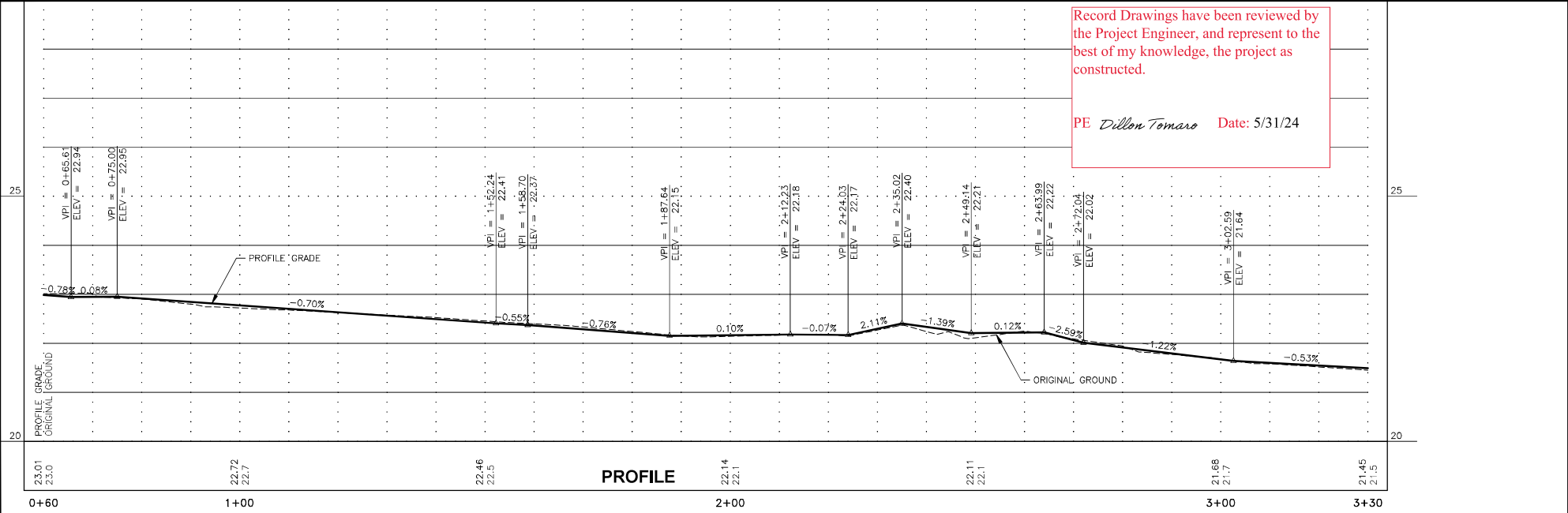
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	11/17/23	DRIVEWAY CUT ADDED & QTY. UPDATE	ALASKA	0003299/SFHwy00528	2023	F1	5
2	11/27/23	CONC. WIDTH & QTY. UPDATE					



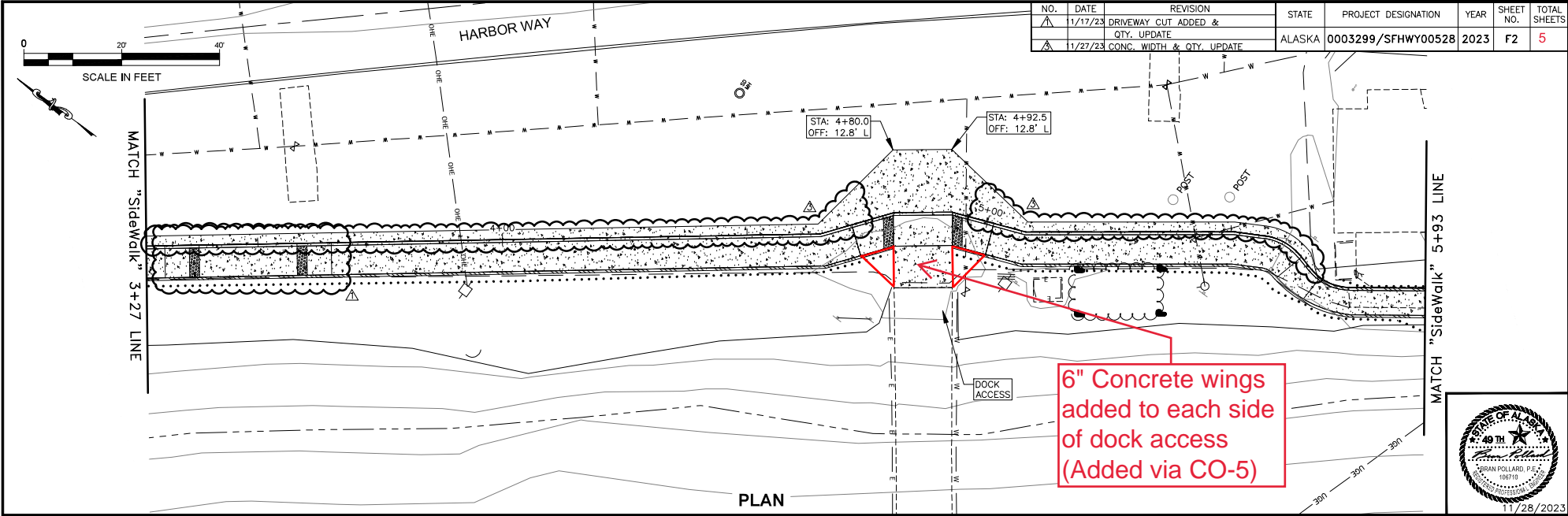
11/28/2023

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE *Dillon Tomaro* Date: 5/31/24

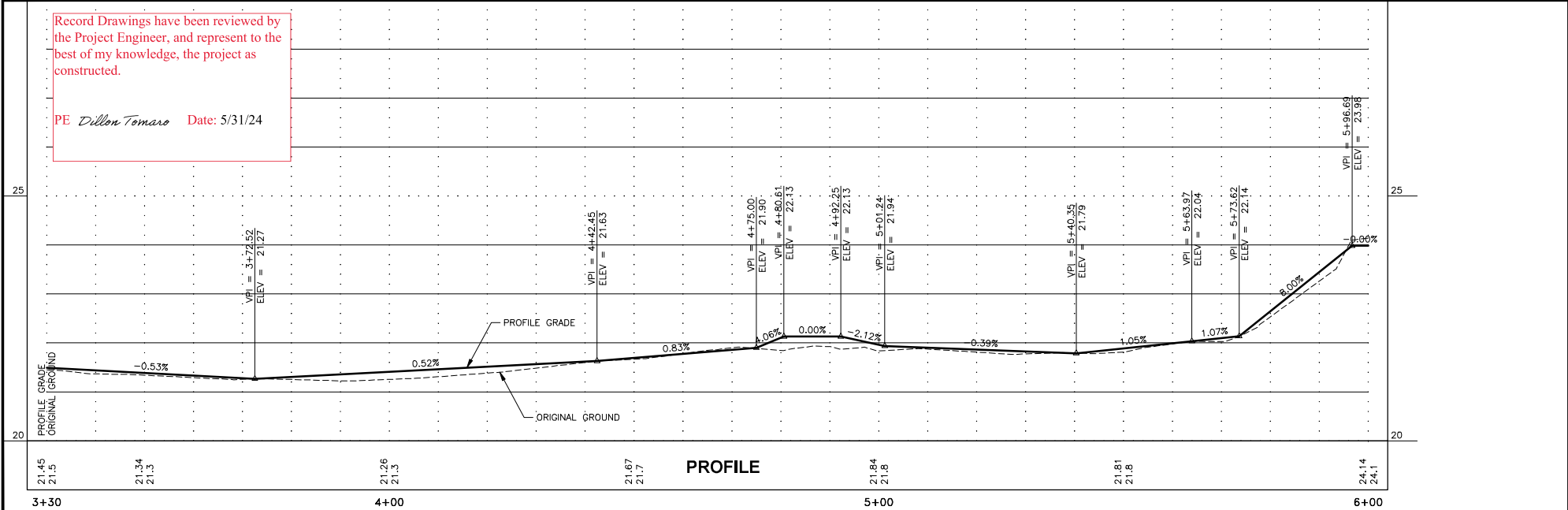


FIRM STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
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 PHONE (907) 465-1763  
 CERTIFICATE OF AUTH # 98811  
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 DATE 11/27/2023 16:03 LAYOUT F2  
 DESIGNED DD, CI  
 CHECKED BP  
 DRAFTED MS



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

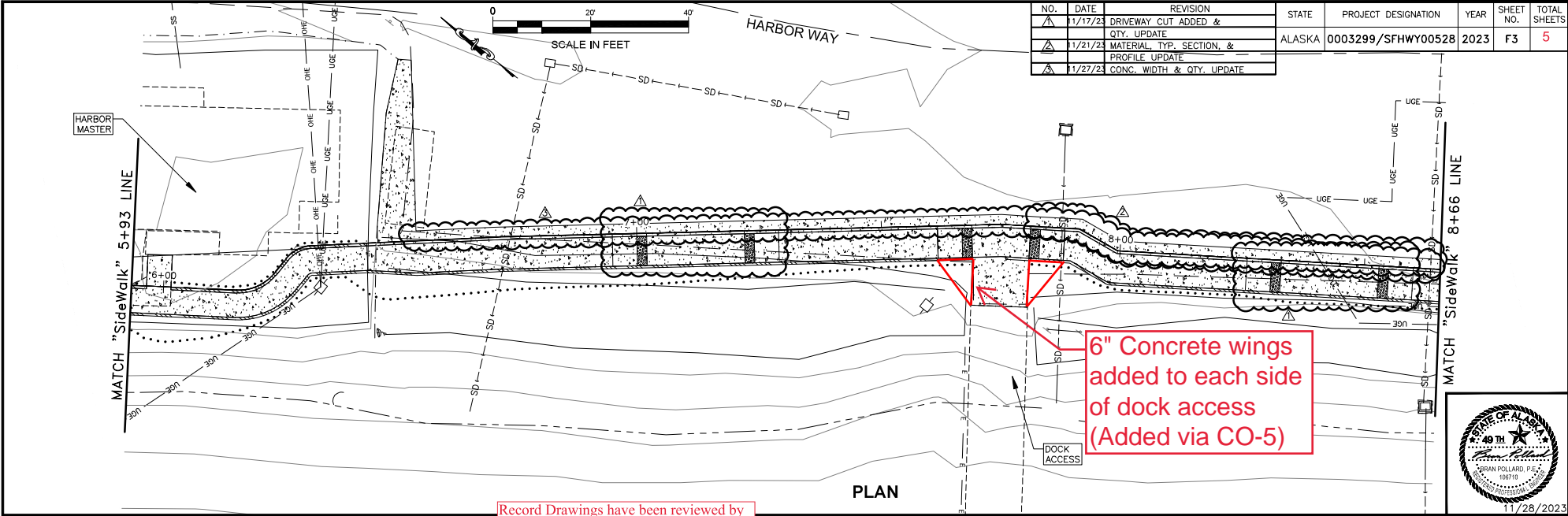
PE *Dillon Tomaro* Date: 5/31/24



Attachment 8

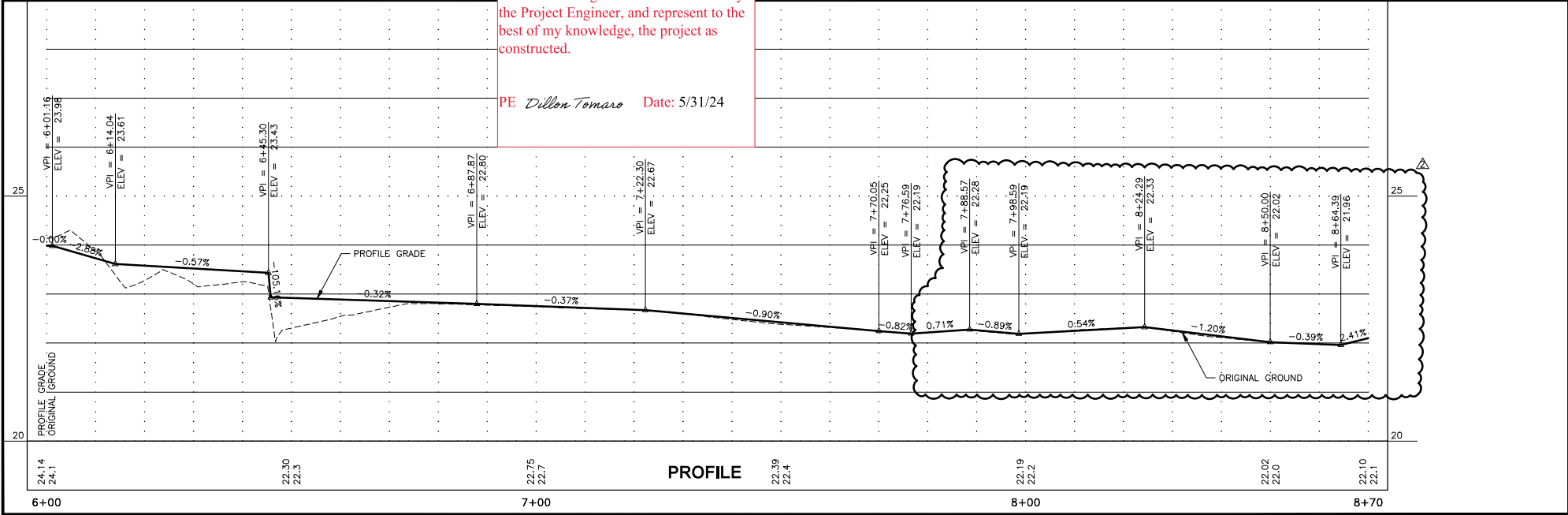
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 CHECKED BP  
 CERTIFICATE OF AUTH #  
 DRAFTED MS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	11/17/23	DRIVEWAY CUT ADDED & QTY. UPDATE	ALASKA	0003299/SFHwy00528	2023	F3	5
2	11/21/23	MATERIAL, TYP. SECTION, & PROFILE UPDATE					
3	11/27/23	CONC. WIDTH & QTY. UPDATE					



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

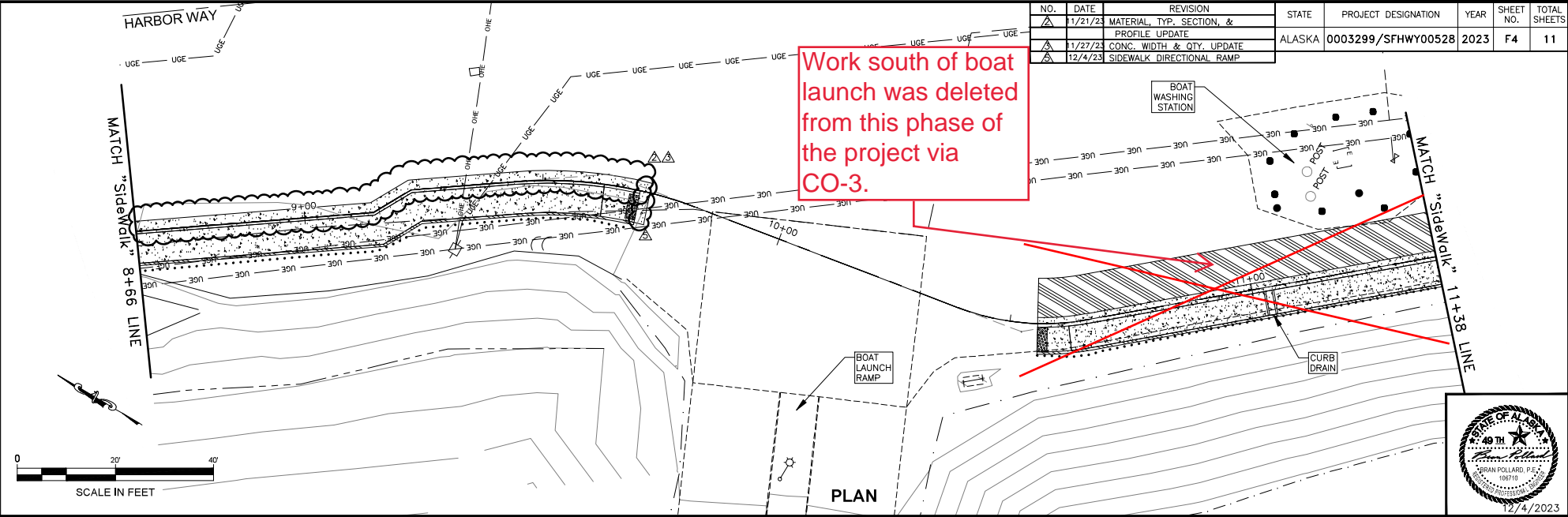
PE *Dillon Tomaro* Date: 5/31/24



Attachment 9

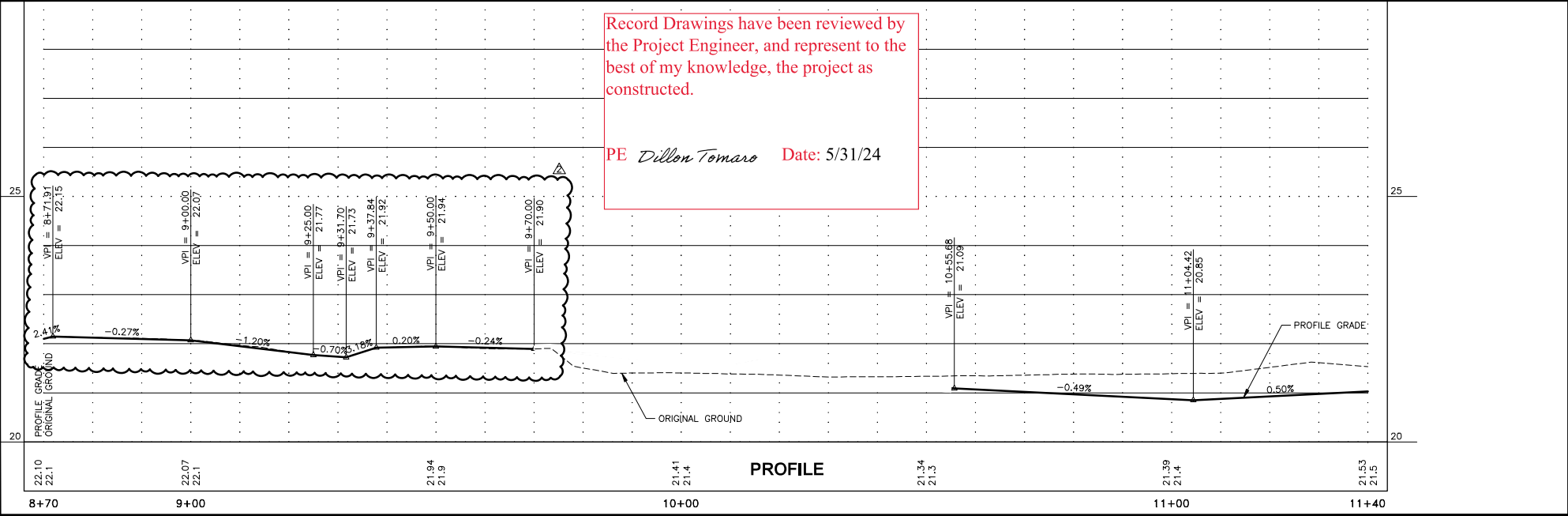
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 PHONE 907 465-1763  
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 CHECKED BP  
 DRAFTED MS  
 DATE 11/28/2023 14:13 LAYOUT F4

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	11/21/23	MATERIAL, TYP. SECTION, & PROFILE UPDATE	ALASKA	0003299/SFHwy00528	2023	F4	11
2	11/27/23	CONC. WIDTH & QTY. UPDATE					
3	12/4/23	SIDEWALK DIRECTIONAL RAMP					



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

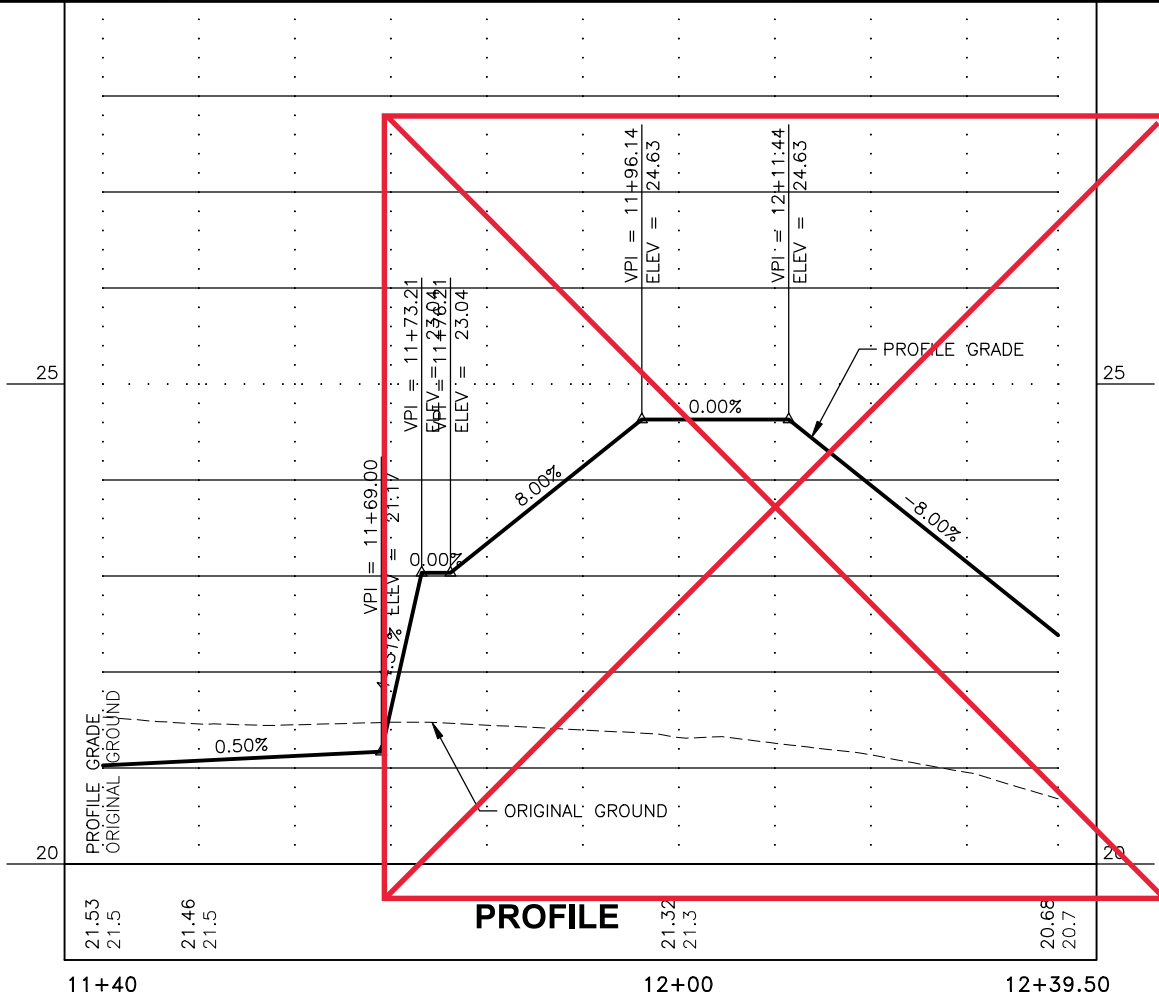
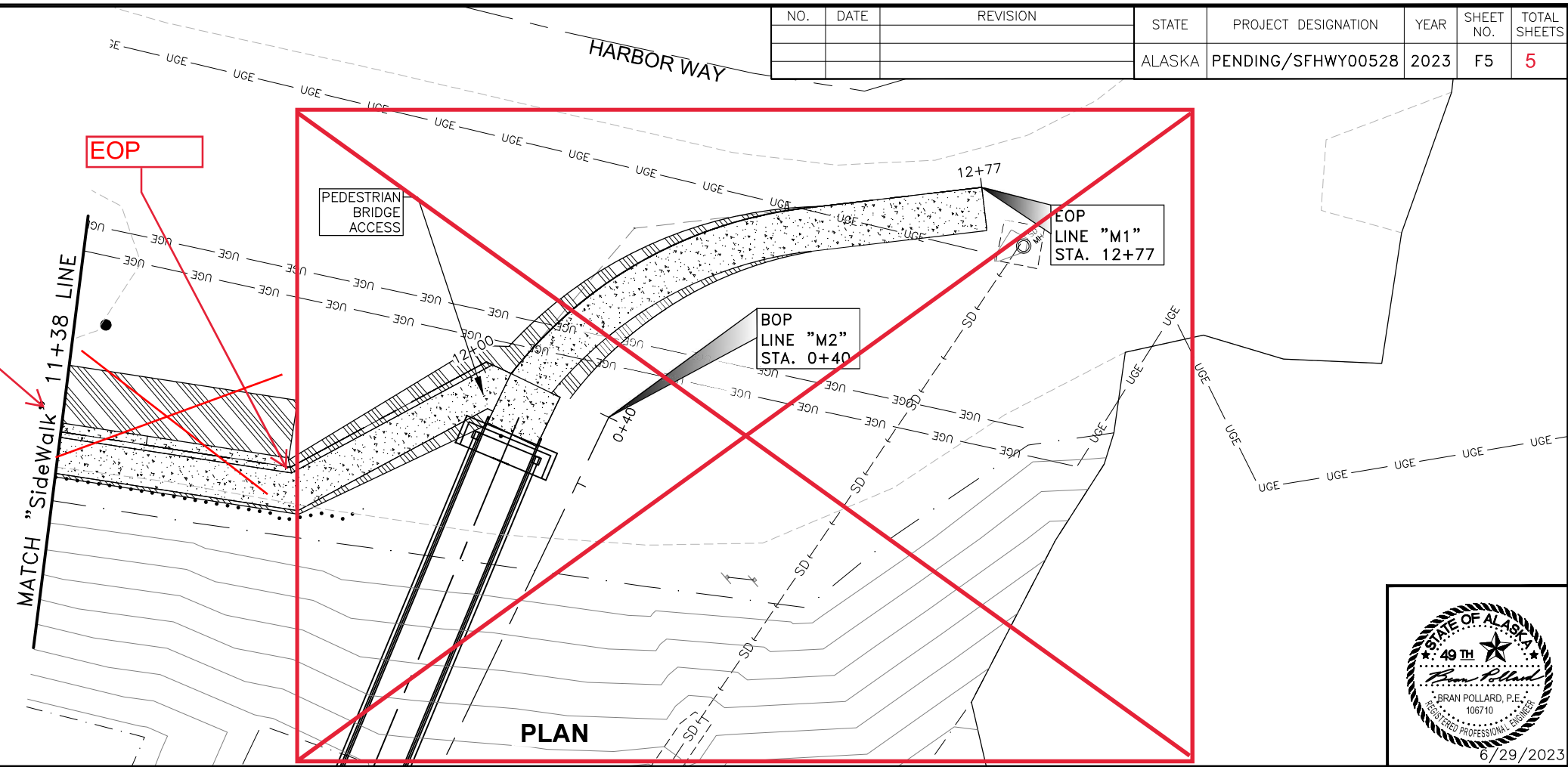
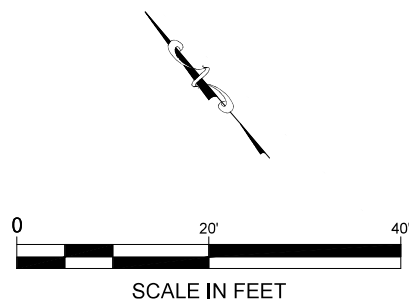
PE *Dillon Tomaro* Date: 5/31/24



FIRM STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
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 PHONE (907) 465-1763  
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 DATE 6/30/2023 9:24 LAYOUT F5

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	PENDING/SFH00528	2023	F5	5

Work south of boat launch was deleted from this phase of the project via CO-3.



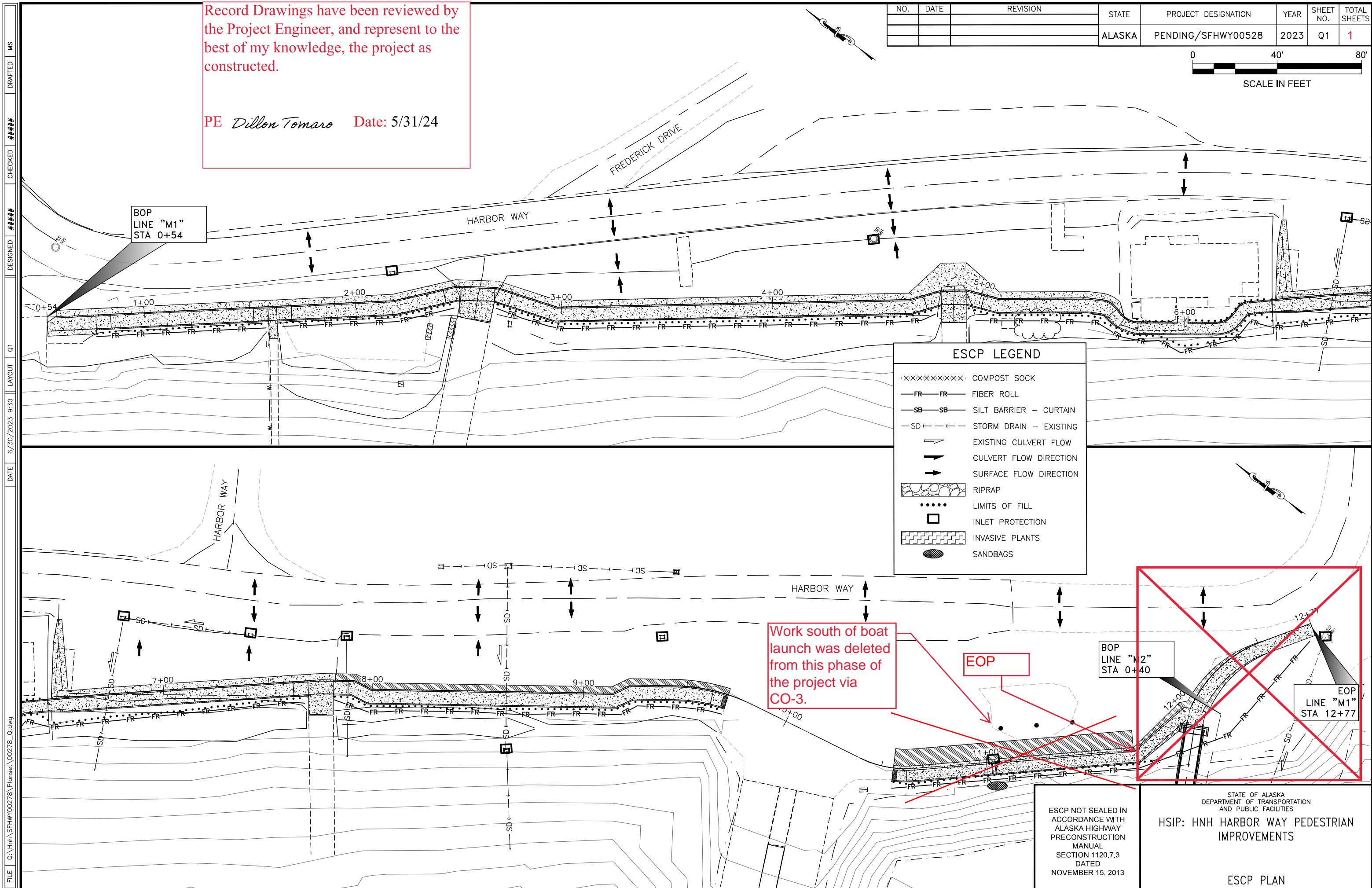
Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE *Dillon Tomaro* Date: 5/31/24

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE *Dillon Tomaro* Date: 5/31/24

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	PENDING/SFHWHY00528	2023	Q1	1



**ESCP LEGEND**

- XXXXXXXXXX· COMPOST SOCK
- FR—FR— FIBER ROLL
- SB—SB— SILT BARRIER - CURTAIN
- SD- -SD- STORM DRAIN - EXISTING
- ↔ EXISTING CULVERT FLOW
- ↔ CULVERT FLOW DIRECTION
- ↔ SURFACE FLOW DIRECTION
- ▨ RIPRAP
- LIMITS OF FILL
- INLET PROTECTION
- ▨ INVASIVE PLANTS
- SANDBAGS

Work south of boat launch was deleted from this phase of the project via CO-3.

EOP

BOP LINE "M2" STA 0+40

EOP LINE "M1" STA 12+77

ESCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1120.7.3 DATED NOVEMBER 15, 2013

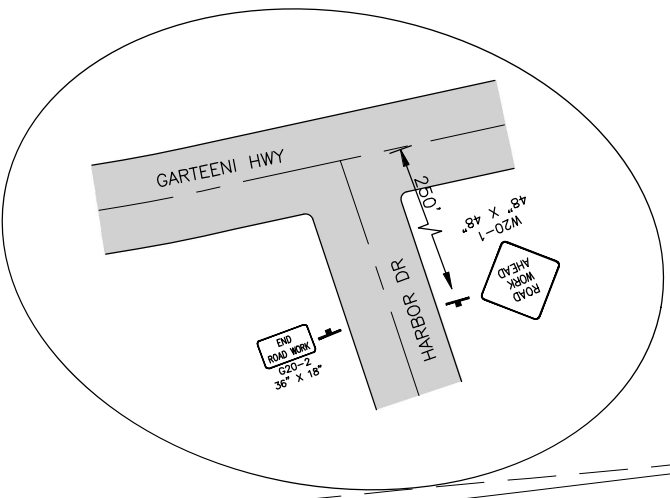
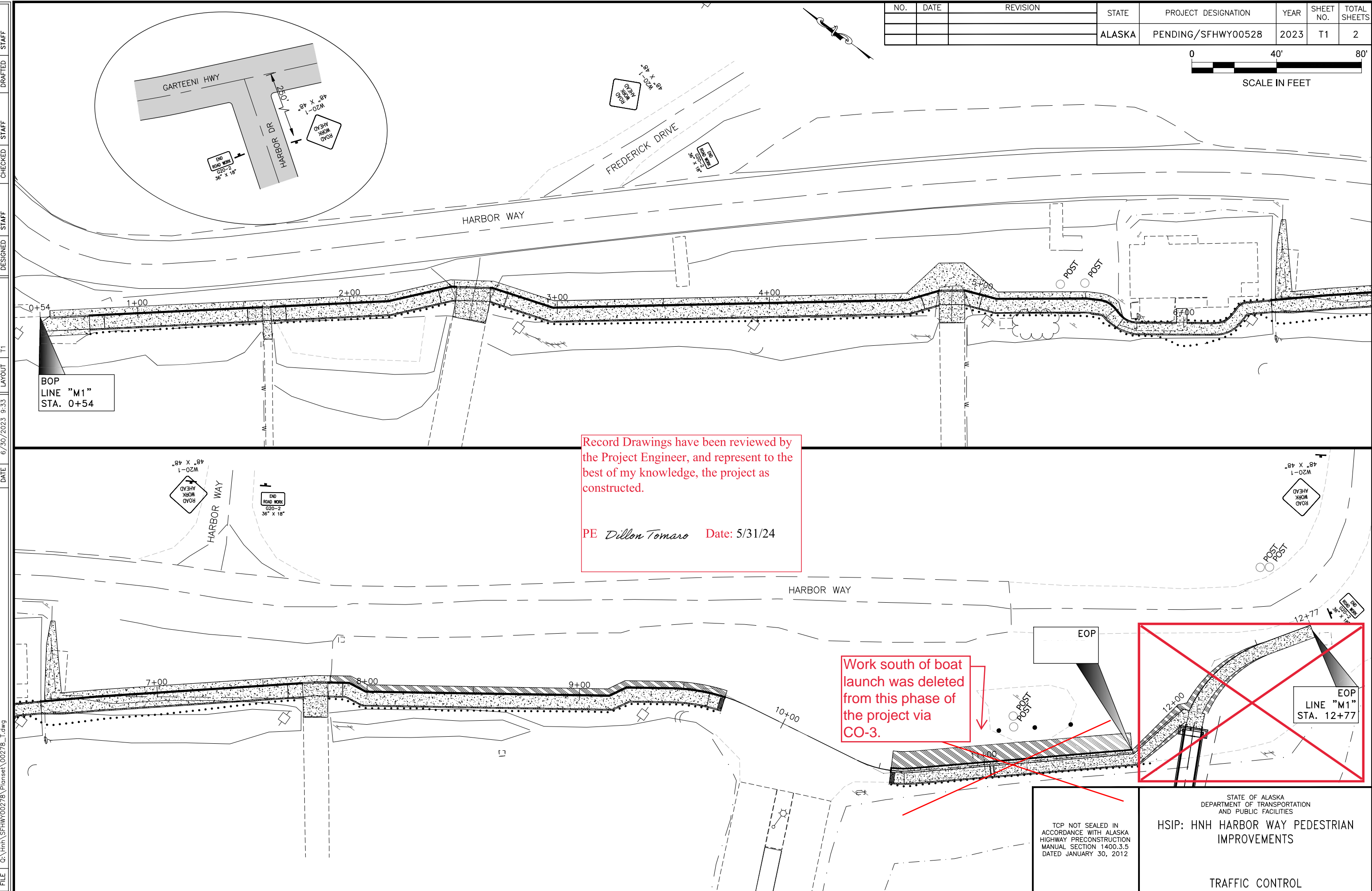
STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

**HSIP: HNH HARBOR WAY PEDESTRIAN IMPROVEMENTS**

ESCP PLAN

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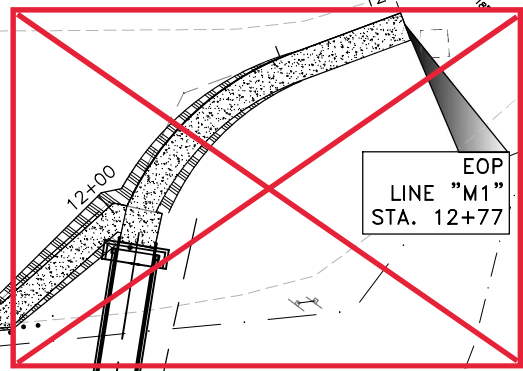
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	PENDING/SFHWHY00528	2023	T1	2



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE *Dillon Tomaro* Date: 5/31/24

Work south of boat launch was deleted from this phase of the project via CO-3.



FILE G:\hnh\SFHWHY00278\PlanSet\00278\_T.dwg DATE 6/30/2023 9:33 LAYOUT T1 DESIGNED STAFF CHECKED STAFF DRAFTED STAFF

TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES

**HSIP: HNH HARBOR WAY PEDESTRIAN IMPROVEMENTS**

TRAFFIC CONTROL

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE *Dillon Tomaro* Date: 5/31/24

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	PENDING/SFH\00278	2023	T2	2

TCP SETUP TABLE				
FORMULA FOR DETERMINING SHIFTING TAPER LENGTH (40MPH OR LESS)	MAX DEVICE SPACING (FT)			MIN BUFFER SPACE (FT)
	SPEED	ALONG SHIFTING TAPER	ALONG TANGENT	
$L = WS^2 / 120$	25 MPH OR BELOW	25'	50'	155'

WHERE:  
 L = TAPER LENGTH IN FEET  
 W = WIDTH OF OFFSET IN FEET  
 S = POSTED SPEED LIMIT (MPH)

**TRAFFIC CONTROL NOTES**

1. A MINIMUM OF ONE LANE SHALL BE MAINTAINED AT ALL TIMES, THROUGH ALL WORK AREAS.
2. TWO LANES SHALL BE MAINTAINED AT ALL TIMES IN NON-WORK AREAS DURING NON-WORKING HOURS.
3. TEMPORARY DRIVING LANES SHALL HAVE A MINIMUM WIDTH OF 10'.
4. CONSTRUCTION SIGNS SHALL BE IN PLACE ONLY WHEN THE CONDITIONS THEY WARN ABOUT EXIST.
5. THE CONTRACTOR SHALL PROVIDE VEHICULAR ACCESS THRU WORK ZONES AS REQUIRED BY THE ENGINEER.
6. FLOOD LIGHTS SHALL BE PROVIDED FOR FLAGGER STATIONS DURING NIGHT OPERATIONS.
7. CHANNELIZATION DEVICES, IF USED AT NIGHT, SHALL BE LIT IN ACCORDANCE WITH THE ALASKA TRAFFIC MANUAL.
8. IT IS THE INTENT OF THIS TRAFFIC CONTROL PLAN (TCP) TO ILLUSTRATE SOME, NOT ALL, OF THE TRAFFIC CONTROL SETUPS WHICH WILL BE REQUIRED ON THIS PROJECT. PLANS FOR CONFIGURATIONS NOT COVERED BY THE TCP SHALL BE CREATED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL. WHERE APPROPRIATE, THEY SHALL INCORPORATE APPLICABLE PORTIONS OF DETAILS ON THESE SHEETS.
9. TEMPORARY PAVEMENT MARKINGS WILL BE REQUIRED AS DESCRIBED IN SECTION 643-3.04 OF THE SPECIFICATIONS.
10. THE CONTRACTOR SHALL RESTORE ACCESS TO BUSINESSES AND HOMES AT THE END OF EVERY WORK DAY. ACCESS TO BUSINESSES AND HOMES SHALL NOT BE SHUT OFF FOR MORE THAN A 24-HOUR PERIOD.
11. THE CONTRACTOR SHALL KEEP THE PUBLIC INFORMED OF HIS CONSTRUCTION ACTIVITIES THROUGH THE USE OF THE LOCAL NEWS MEDIA. NEWS RELEASES SHALL BE APPROVED BY THE PROJECT ENGINEER PRIOR TO THEIR RELEASE. NEWS RELEASES WILL BE REQUIRED BUT NOT LIMITED TO, THE ONSET OF WORK, GRINDING, PAVING, AND CHANGES IN THE LANE CONFIGURATIONS.
12. ALL TRAFFIC DETOURS SHALL BE APPROVED BY THE ENGINEERS. PEDESTRIAN TRAFFIC CONTROL PLANS SHALL CONFORM TO THE LATEST COPY OF THE MUTCD. TYPICAL APPLICATIONS TA-28 AND TA-29 ARE RECOMMENDED.
13. THE CONTRACTOR SHALL GIVE 24 HOURS ADVANCE NOTICE BEFORE WORKING ON DRIVEWAYS.
14. IF VEHICLE STOP TIME EXCEEDS FIVE MINUTES, THE CONTRACTOR SHALL SHORTEN HIS WORK ZONE OR RESCHEDULE HIS WORK TO A LESS BUSY HOUR.

TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  <b>HSIP: HNH HARBOR WAY                  PEDESTRIAN IMPROVEMENTS</b>  TRAFFIC CONTROL
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