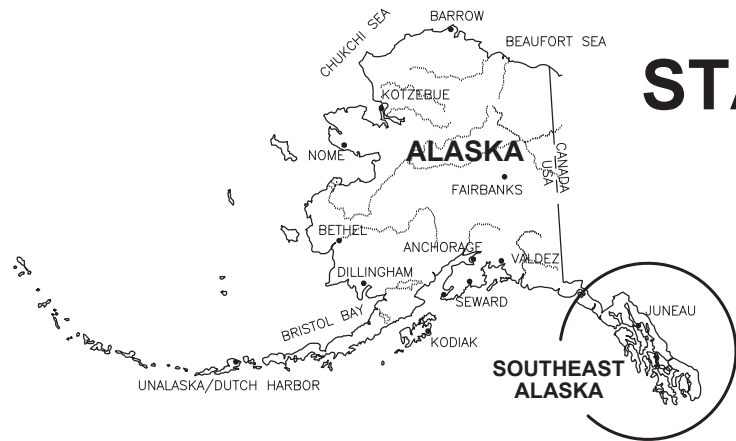


# CITY & BOROUGH OF JUNEAU - DOCKS & HARBORS

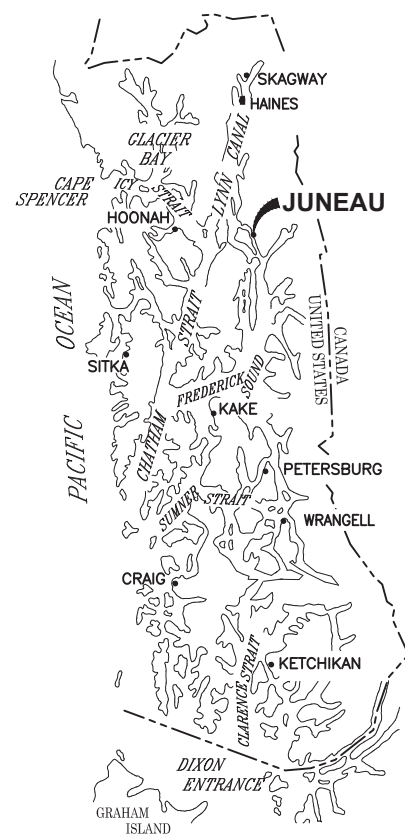
## STATTER HARBOR IMPROVEMENTS PHASE III (D)

### UPLAND IMPROVEMENTS

#### CBJ CONTRACT - DH25-023



**VICINITY**



**SOUTHEAST ALASKA**



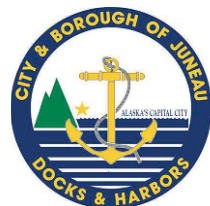
AERIAL PHOTO FROM:  
CITY AND BOROUGH OF JUNEAU, 2016

**VICINITY MAP**

TIDAL DATA	
SOURCE: NOAA NOS/CO-OPS STATION ID: 9452210 JUNEAU, ALASKA 2/6/18	
DESCRIPTION	ELEV. (FT.)
HIGHEST OBSERVED WATER LEVEL	+24.58
MEAN HIGHER HIGH WATER (MHHW)	+16.30
MEAN HIGH WATER (MHW)	+15.34
MEAN SEA LEVEL (MSL)	+8.58
MEAN TIDE LEVEL (MTL)	+8.47
MEAN LOW WATER (MLW)	+1.60
MEAN LOWER LOW WATER (MLLW)	0.00
LOWEST OBSERVED WATER LEVEL	-6.12

DRAWING INDEX	
DWG. NO.	TITLE
<b>GENERAL</b>	
1.01	TITLE SHEET AND VICINITY MAP
1.02	LEGEND, ABBREVIATIONS, GENERAL NOTES AND SURVEY CONTROL
1.03	EXISTING CONDITIONS AND DEMOLITION PLAN
1.04	OVERALL SITE PLAN
1.05	PARTIAL GRADING PLAN
1.06	PARTIAL GRADING PLAN
1.07	GRADING ENLARGEMENT DETAILS
1.08	GRADING POINTS AND LAYOUT TABLES
1.09	STORM DRAIN PLAN
2.01	SITE SECTIONS
2.02	KAYAK LAUNCH RAMP PLAN AND PROFILE
2.03	RAILING ELEVATION
2.04	RAILING DETAILS
2.05	SITE DETAILS
2.06	SITE DETAILS
2.07	SITE DETAILS
2.08	SITE DETAILS
3.01	STRIPING PLAN
3.02	STRIPING AND SIGNAGE DETAILS
<b>ELECTRICAL</b>	
E001	SCHEDULE AND SYMBOLS
ES01	ELECTRICAL SITE PLAN
E101	DETAILS
<b>LANDSCAPE</b>	
L101	LAYOUT AND SOILS PLAN
L102	LANDSCAPE PLAN
L501	DETAILS

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REVISIONS					
REV.	DATE	DESCRIPTION	DWN.	CKD.	APP.

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ENGINEERS, INC.

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Fax: 907-586-2099  
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DESIGN: BMI    CHECKED: CRS    SCALE: AS SHOWN

DRAWN: WRB    APPROVED: \_\_\_\_\_

65%  
DESIGN  
REVIEW

DATE: 12/03/2024

CITY & BOROUGH OF JUNEAU, ALASKA  
STATTER HARBOR IMPROVEMENTS PH III(D)  
CBJ CONTRACT NO. DH25-023

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SHEET TITLE:  
**TITLE SHEET AND VICINITY MAP**

PND PROJECT NO.: 182069    C.A.N. NO.: AECC250

1.01

# LEGEND

EXISTING	THIS PROJECT	
		TELEPHONE PEDESTAL
		TELEVISION PEDESTAL
		ELECTRICAL PEDESTAL
		FENCE
		FUEL LINE (ABANDONED)
		FUEL LINE
		ELECTRICAL (ABANDONED)
		ELECTRICAL (UNDERGROUND)
		ELECTRICAL (OVERHEAD)
		WATER
		SANITARY SEWER
		RIGHT-OF-WAY
		COMMUNICATION (CABLE/TEL)
		STORM DRAIN
		FORCE MAIN
		FOUNDATION DRAIN PIPE
		PROPERTY LINE
		GUY WIRE ANCHOR
		GUARDRAIL
		BOLLARD
		CURB & GUTTER
		ELECTRICAL HANDHOLE
		FIRE HYDRANT
		LAYOUT POINT
		LIGHT POLE
		SANITARY SEWER MANHOLE
		STORM DRAIN MANHOLE
		STORM DRAIN INLET
		UTILITY POLE
		SIGN
		WATER VALVE
		SURFACE FLOW DIRECTION
		EXISTING ELEVATION
		RADIUS IN FEET
		SECTION OR DETAIL CALLOUT
		LOCATION OF DETAIL OR REFERENCE DRAWING

# GENERAL NOTES

- PROPERTY DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ITS PRE-CONSTRUCTION CONDITION OR BETTER AT NO ADDITIONAL COST.
- CBJ ENGINEERING STANDARD DETAILS BOOK DATED AUGUST, 2011 IS MADE A PART OF THIS CONTRACT, WITH CURRENT REVISIONS AS APPLICABLE. STANDARD DETAILS SHALL ONLY BE UTILIZED AS SPECIFICALLY REFERENCED IN THE DRAWINGS WITH MODIFICATIONS SPECIFIED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADHERING TO ALL APPLICABLE, LOCAL, STATE AND FEDERAL CODES, PERMITS AND SAFETY REQUIREMENTS.
- THE LOCATIONS OF EXISTING FEATURES AND UTILITIES SHOWN ON THE DRAWINGS ARE APPROXIMATE. ADDITIONAL UTILITIES NOT SHOWN IN THESE DRAWINGS MAY BE PRESENT. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS IN THE FIELD AS NECESSARY, PRIOR TO BEGINNING WORK. THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES ENCOUNTERED IN THE FIELD SHALL BE RECORDED ON THE CONTRACTOR'S RECORD DRAWINGS. CONTACT LOCAL UTILITY COMPANIES PRIOR TO ANY/ ALL EXCAVATIONS AT THE FOLLOWING TELEPHONE NUMBERS:

**DIAL BEFORE YOU DIG!**  
**586-1333**  
 UNDERGROUND POWER, TELEPHONE, T.V.,  
 COMMUNICATIONS, WATER AND WASTEWATER LINES  
 ARE IN THE AREA. UTILITIES SHOWN HERE DO NOT  
 SUBSTITUTE FOR FIELD LOCATES.

- GRADING AND FINAL ALIGNMENT OF UTILITIES & PIPING ARE SUBJECT TO MINOR REVISIONS BY THE ENGINEER TO FIT SITE CONDITIONS, AT NO ADDITIONAL COST.
- CONTRACTOR SHALL COORDINATE WITH ALL AFFECTED BOROUGH DEPARTMENTS AND LOCAL UTILITY COMPANIES DURING CONSTRUCTION.
- THE CONTRACTOR SHALL NOT DISRUPT UTILITY SERVICES EXCEPT AS REQUIRED TO COMPLETE THE RECONFIGURATION OF THOSE SERVICES AS SHOWN IN THE PLANS. COORDINATE ANY DISRUPTIONS WITH OWNER A MINIMUM OF 48 HOURS IN ADVANCE.

# ABBREVIATIONS

<b>A</b>	AT	<b>F</b>	FLOOR DRAIN	<b>Q</b>	QUANTITY
<b>@</b>	ASPHALT CONCRETE PAVEMENT	<b>FD</b>	FINISHED FLOOR	<b>R</b>	RADIUS
<b>APPROX.</b>	APPROXIMATE	<b>FF</b>	FIRE HYDRANT, FLAT HEAD	<b>R/RAD</b>	RIM ELEVATION
<b>B</b>	BUILDING	<b>FH</b>	FORCE MAIN SEWER	<b>REQD</b>	REQUIRED
<b>BLDG</b>	BACK OF SEAWALK	<b>FM</b>	FOOT	<b>REQMTS</b>	REQUIREMENTS
<b>BSW</b>	BOTTOM	<b>FT</b>		<b>ROW</b>	RIGHT OF WAY
<b>BTM,BOT</b>	BETWEEN	<b>I</b>		<b>S</b>	
<b>BTWN</b>		<b>G</b>	GRADE BREAK	<b>SD</b>	STORM DRAIN
<b>C</b>	CURB & GUTTER	<b>GB</b>	GATE VALVE	<b>SDI</b>	STORM DRAIN INLET STRUCTURE
<b>C&amp;G</b>	CATCH BASIN	<b>GV</b>		<b>SDO</b>	STORM DRAIN OUTLET STRUCTURE
<b>CB</b>	CAST-IN-PLACE	<b>H</b>	HOT-DIPPED GALVANIZED	<b>SDR</b>	STANDARD DIMENSION RATIO
<b>CIP</b>	CENTER LINE	<b>HDG</b>	HIGHWAY	<b>SF</b>	SQUARE FOOT
<b>CL</b>	CLEAR	<b>HWY.</b>		<b>SHT</b>	SHEET
<b>CLR</b>	CORRUGATED METAL PIPE	<b>ID</b>	INSIDE DIAMETER	<b>SPEC</b>	SPECIFICATION (S)
<b>CMP</b>	CLEANOUT	<b>IE</b>	INVERT ELEVATION	<b>SS</b>	STAINLESS STEEL, SANITARY SEWER
<b>CO</b>	CONCRETE	<b>INV</b>	INVERT	<b>SDMH</b>	STORM DRAIN MANHOLE
<b>CONC</b>	CORRUGATED POLYETHYLENE PIPE	<b>J</b>	JUNCTION BOX	<b>SSMH</b>	SANITARY SEWER MANHOLE
<b>CPP</b>	CORNER	<b>JB</b>		<b>STA</b>	STATION
<b>COR</b>	CORNERS	<b>K</b>	RATE OF CURVATURE	<b>STD</b>	STANDARD
<b>CRNRS</b>	CONNECT TO EXISTING	<b>K</b>		<b>SWR</b>	SEWER
<b>CTE</b>	CENTER	<b>L</b>	LINEAR FEET	<b>SY</b>	SQUARE YARD
<b>CTR</b>	CUBIC YARD	<b>LF</b>	LONG	<b>SYMM</b>	SYMMETRICAL
<b>CY</b>	DIAMETER	<b>LONG</b>		<b>T</b>	TOP AND BOTTOM
<b>D</b>	DUCTILE IRON PIPE	<b>M</b>	MAXIMUM	<b>T&amp;B</b>	THICK
<b>D/DIA</b>	DETAIL	<b>MAX</b>	MANHOLE	<b>t</b>	TRENCH DRAIN
<b>DIP</b>	MINIMUM	<b>MH</b>	MEAN LOWER LOW WATER	<b>TYP</b>	TYPICAL
<b>DTL</b>	MSE	<b>MIN</b>	MECHANICALLY STABILIZED EARTH	<b>U</b>	UNDERGROUND ELECTRIC
<b>E</b>	MTL	<b>MLLW</b>	MATERIAL (S)	<b>UE</b>	
<b>E</b>	N	<b>MSE</b>		<b>VB</b>	VALVE BOX
<b>EA</b>	NORTH	<b>MTL</b>		<b>W</b>	
<b>E</b>	NON FROST SUSCEPTIBLE	<b>N</b>		<b>w/</b>	WITH
<b>EA</b>	NOT TO SCALE	<b>NFS</b>		<b>WL</b>	WATERLINE
<b>EL/ELEV</b>	ON CENTER	<b>NTS</b>		<b>WV</b>	WATER VALVE
<b>EQ</b>	OUTSIDE DIAMETER	<b>O</b>			
<b>EQUAL</b>	OVERHEAD ELECTRICAL	<b>OC</b>			
<b>EACH WAY</b>		<b>OD</b>			
<b>EW</b>		<b>OHE</b>			
<b>(E)/EXIST</b>					
<b>EXISTING</b>					
<b>(xx.xx)</b>					

# SURVEY CONTROL

SURVEY CONTROL				
POINT #	NORTHING	EASTING	ELEV. (FT)	DESCRIPTION
42	510492.220	485365.881	24.67	PK NAIL W/FLASHER
416	510963.679	484704.175	—	B.C. MONUMENT
523	511109.967	485541.616	58.51	AKDOT AL. CAP

# SURVEY NOTES

- VERTICAL DATUM IS MEAN LOWER LOW WATER (MLLW = 0.00').
- BASIS OF VERTICAL DATUM FOR THIS PROJECT IS CONTROL POINT 523 WITH A MEAN LOWER LOW WATER ELEVATION OF 58.51 FEET.
- THE HORIZONTAL CONTROL FOR THIS PROJECT IS BASED ON THE DOT/PF 2000 JUNEAU GRID. THE DOT/PF JUNEAU GRID IS A LOCAL GROUND SYSTEM BASED AT USC&GS FIRST ORDER CONTROL STATION "EDDIE". IT RELATES TO AKSPC ZONE 1 NAD83 THROUGH THE FOLLOWING PARAMETERS:

ZONE = NAD83 AKSPC ZONE 1  
 GRID SCALE = 0.999928875  
 CONVERGENCE = -0°45'27.26"  
 TRANSLATION ABOUT USC&GS POINT

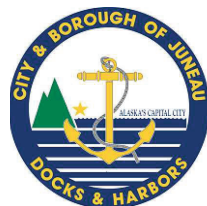
AS FOLLOWS:

- AKSPC NORTHING = 2383469.17310 FT US  
 AKSPC EASTING = 2512570.06318 FT US  
 LOCAL NORTHING = 500000.0000 FT US  
 LOCAL EASTING = 500000.0000 FT US
- FIELD SURVEYS PERFORMED 2010, 2011, 2012, 2014 AND 2016 BY PND & OTHERS.
- PROPERTY LINES AND EASEMENTS ARE DERIVED FROM RECORD PLATS.
- BATHYMETRIC SURVEY PERFORMED BY PND 2010 AND 2016.



# SURVEY CONTROL

NOTE: NOT ALL HARBOR FLOATS AND CURRENT SITE FEATURES SHOWN.



REVISIONS					
REV.	DATE	DESCRIPTION	DWN.	CKD.	APP.



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DESIGN: BMI CHECKED: CRS SCALE: AS SHOWN  
 DRAWN: WRB APPROVED: \_\_\_\_\_

**65%  
 DESIGN  
 REVIEW**

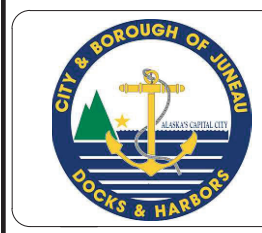
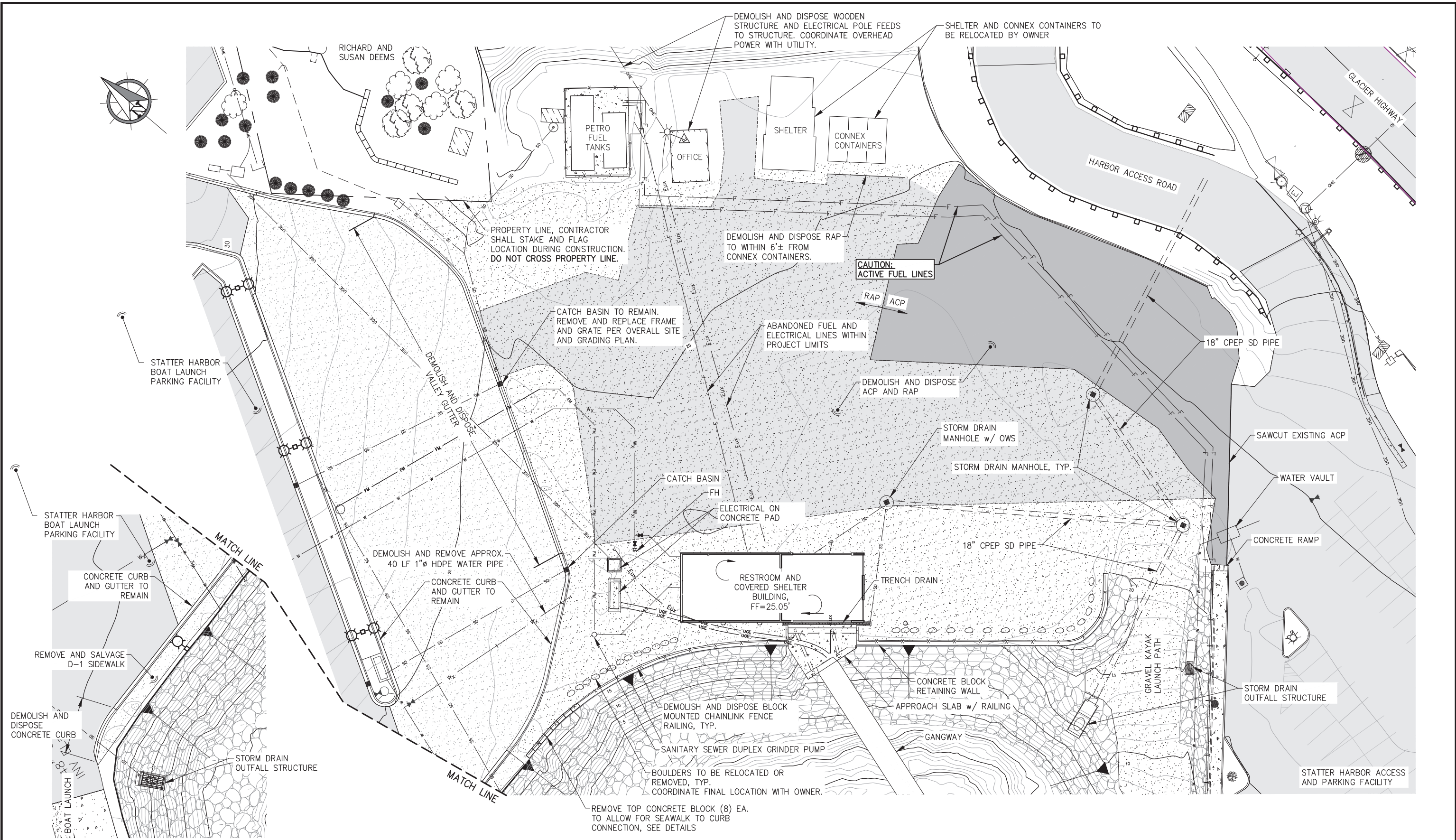
DATE: 12/03/2024

**CITY & BOROUGH OF JUNEAU, ALASKA**  
**STATTER HARBOR IMPROVEMENTS PH III(D)**  
**CBJ CONTRACT NO. DH25-023**

SHEET TITLE: **LEGEND,  
 ABBREVIATIONS, GENERAL  
 NOTES AND SURVEY CONTROL**

PND PROJECT NO.: 182069 C.A.N. NO.: AECC250

**1.02**



REVISIONS					
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DESIGN: BMI    CHECKED: CRS  
DRAWN: WRB    APPROVED: \_\_\_\_\_

SCALE: SCALE IN FEET  
0    20    40 FT.

**65%  
DESIGN  
REVIEW**

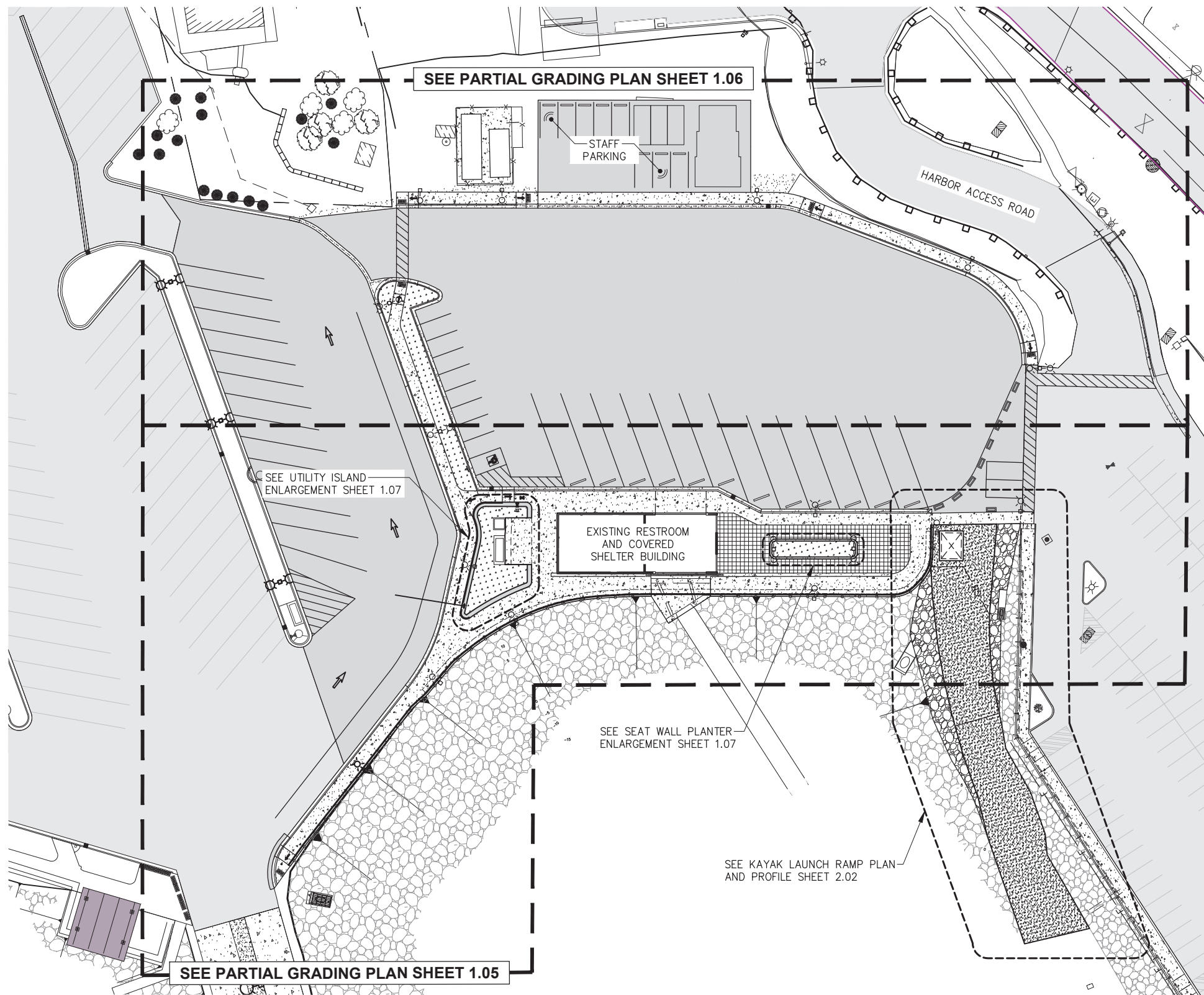
DATE: 12/03/2024

**CITY & BOROUGH OF JUNEAU, ALASKA**  
**STATTER HARBOR IMPROVEMENTS PH III(D)**  
CBJ CONTRACT NO. DH25-023

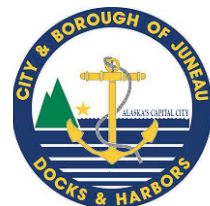
SHEET TITLE:  
**EXISTING CONDITIONS AND  
DEMOLITION PLAN**

PND PROJECT NO.: 182069    C.A.N. NO.: AECC250

**1.03**



**OVERALL SITE PLAN**



REVISIONS					
REV.	DATE	DESCRIPTION	DWN.	CKD.	APP.



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DESIGN: BMI CHECKED: CRS  
DRAWN: WRB APPROVED: \_\_\_\_\_  
SCALE: SCALE IN FEET  
0 30 60 FT.

**65%  
DESIGN  
REVIEW**

DATE: 12/03/2024

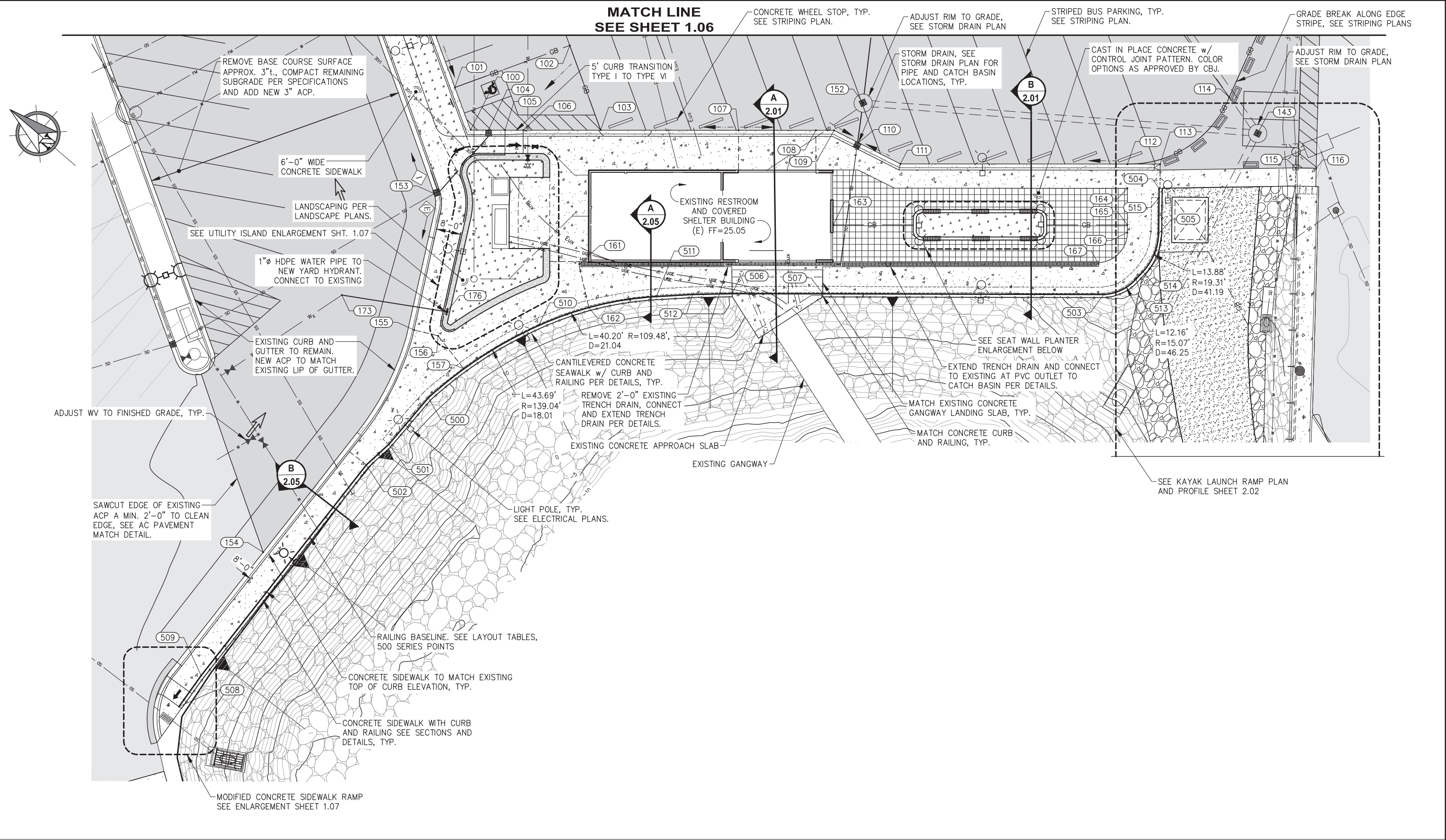
**CITY & BOROUGH OF JUNEAU, ALASKA  
STATTER HARBOR IMPROVEMENTS PH III(D)  
CBJ CONTRACT NO. DH25-023**

SHEET TITLE:  
**OVERALL SITE PLAN**

**1.04**

PND PROJECT NO.: 182069 C.A.N. NO.: AECC250

**MATCH LINE  
SEE SHEET 1.06**



REVISIONS					
REV.	DATE	DESCRIPTION	DWN.	CKD.	APP.

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DESIGN: BMI    CHECKED: CRS  
DRAWN: WRB    APPROVED: \_\_\_\_\_

SCALE: SCALE IN FEET  
0    15    30 FT.

**65%  
DESIGN  
REVIEW**

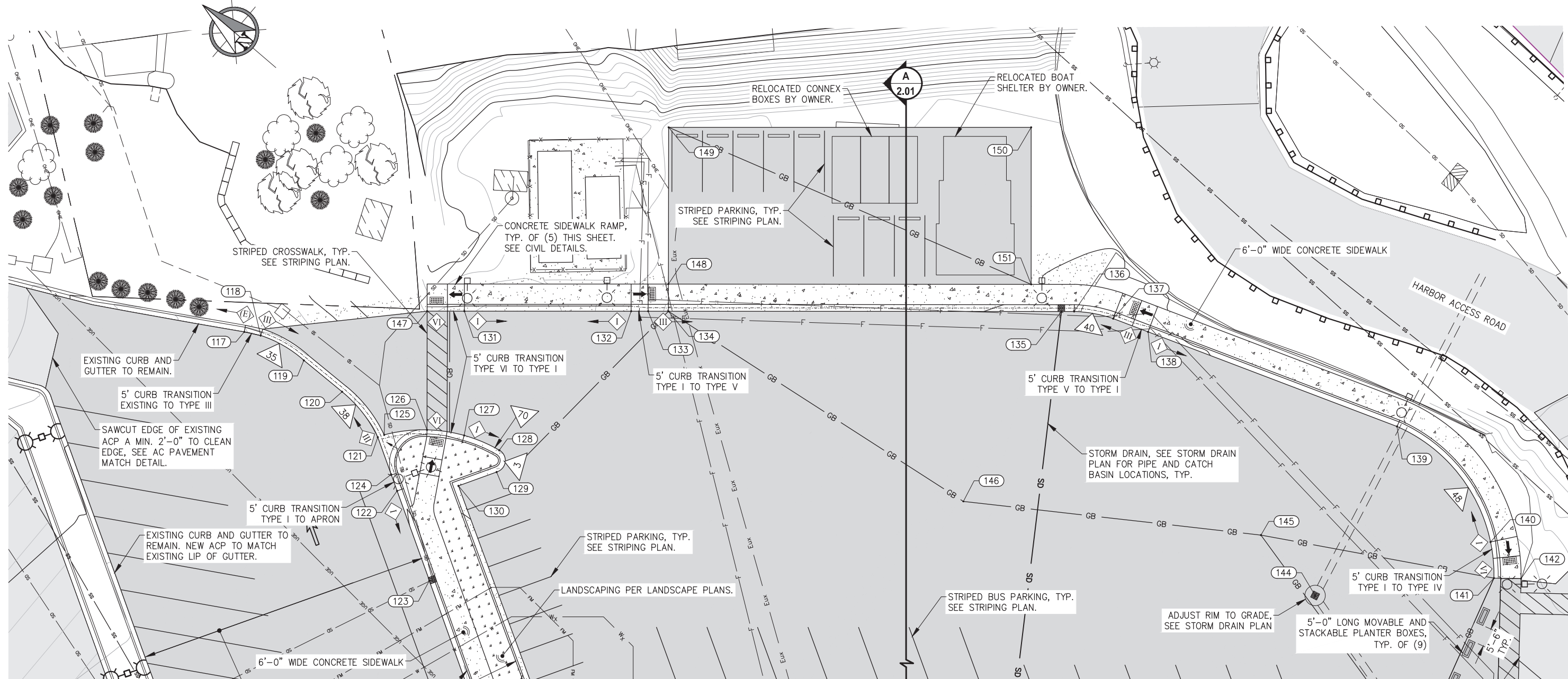
DATE: 12/03/2024

**CITY & BOROUGH OF JUNEAU, ALASKA  
STATTER HARBOR IMPROVEMENTS PH III(D)  
CBJ CONTRACT NO. DH25-023**

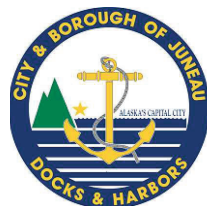
SHEET TITLE:  
**PARTIAL GRADING PLAN**

PND PROJECT NO.: 182069    C.A.N. NO.: AECC250

**1.05**



MATCH LINE SEE SHEET 1.05



REVISIONS					
REV.	DATE	DESCRIPTION	DWN.	CKD.	APP.

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DESIGN: BMI CHECKED: CRS  
DRAWN: WRB APPROVED: \_\_\_\_\_

SCALE: SCALE IN FEET  
0 15 30 FT.

**65%  
DESIGN  
REVIEW**

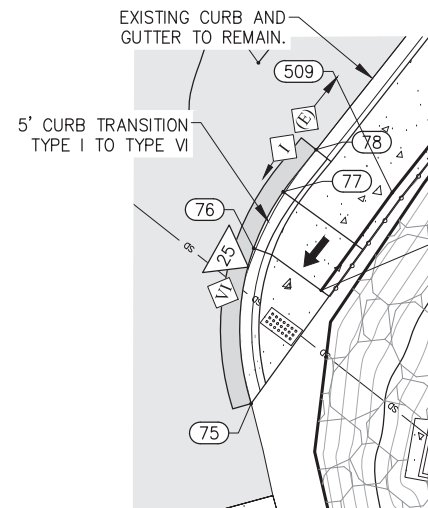
DATE: 12/03/2024

**CITY & BOROUGH OF JUNEAU, ALASKA  
STATTER HARBOR IMPROVEMENTS PH III(D)  
CBJ CONTRACT NO. DH25-023**

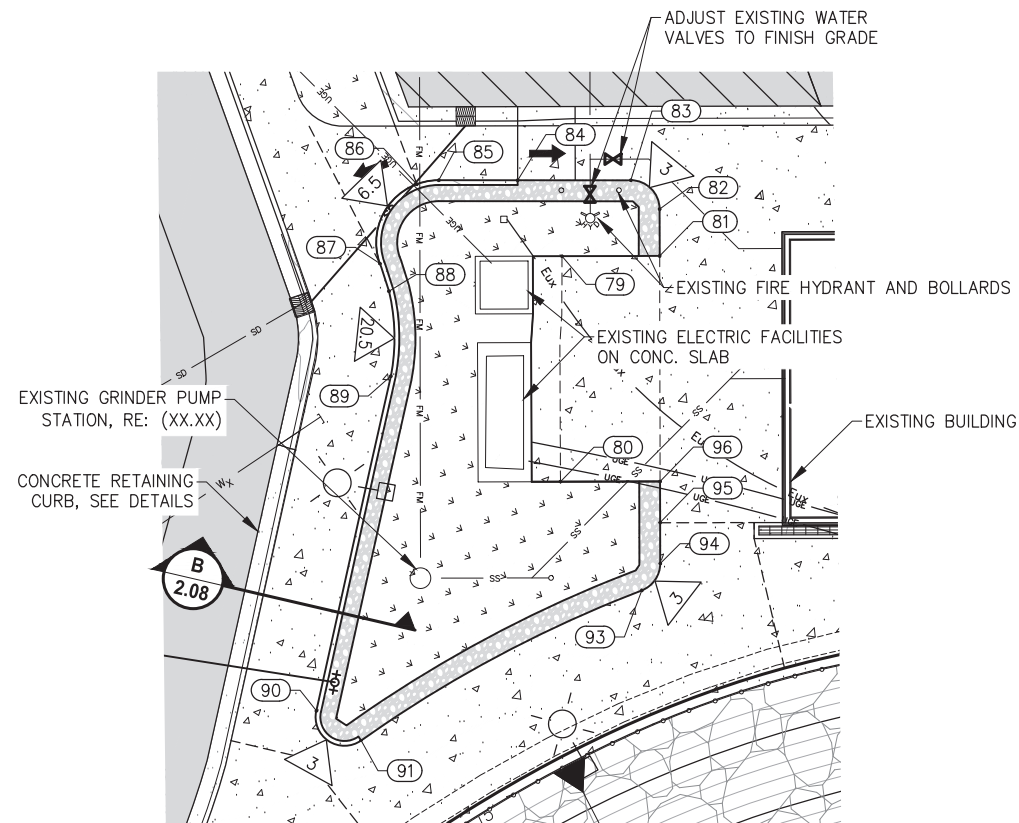
SHEET TITLE:  
**PARTIAL GRADING PLAN**

PND PROJECT NO.: 182069 C.A.N. NO.: AECC250

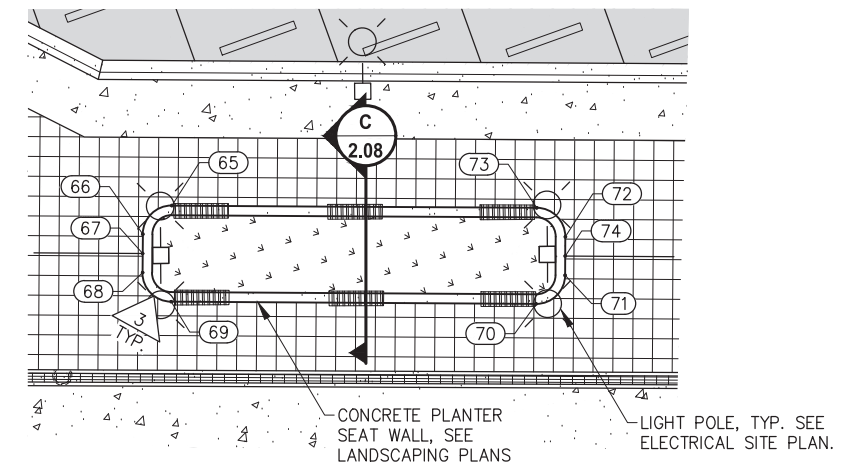
**1.06**



**MODIFIED SIDEWALK RAMP DETAIL**



**UTILITY ISLAND ENLARGEMENT**



**SEAT WALL PLANTER ENLARGEMENT**



REVISIONS					
REV.	DATE	DESCRIPTION	DWN.	CKD.	APP.



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DESIGN: BMI CHECKED: CRS  
DRAWN: WRB APPROVED: \_\_\_\_\_

SCALE: SCALE IN FEET  
0 10 20 FT.

**65%  
DESIGN  
REVIEW**

DATE: 12/03/2024

**CITY & BOROUGH OF JUNEAU, ALASKA  
STATTER HARBOR IMPROVEMENTS PH III(D)  
CBJ CONTRACT NO. DH25-023**

SHEET TITLE:  
**GRADING ENLARGEMENT  
DETAILS**

PND PROJECT NO.: 182069 C.A.N. NO.: AECC250

**1.07**

LAYOUT TABLE				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
65	510622.76	485329.89	25.10	PT, CONC.
66	510623.24	485325.67	25.05	PT, CONC.
67	510621.99	485324.11	25.10	GB, CONC.
68	510620.74	485322.54	25.05	PT, CONC.
69	510616.53	485322.07	25.05	PC, CONC.
70	510586.80	485345.74	25.07	PT, CONC.
71	510586.32	485349.95	25.07	PC, CONC.
72	510588.81	485353.08	25.07	PT, CONC.
73	510593.03	485353.56	25.05	PC, CONC.
74	510587.57	485351.52	25.25	GB, CONC.
75	510710.62	485035.05	24.77	ME, PC, EP
76	510720.57	485047.81	24.73	EP, BTM RAMP
77	510721.87	485054.31	24.68	EP
78	510721.96	485059.88	24.64	EP, ME
79	510733.48	485255.26	24.44	GB, CONC.
80	510719.02	485236.77	24.52	GB, CONC.
81	510725.53	485261.61	24.54	GB, CONC., <PT
82	510728.57	485265.42	24.48	PC, CONC.
83	510732.78	485265.91	24.42	PT, CONC.
84	510742.02	485258.58	24.78	BEGIN RC, EC
85	510748.46	485253.48	24.70	RC PC, EC
86	510749.99	485251.74	24.52	RC POC, GB, EC
87	510747.87	485242.88	23.76	RC PT, GB, EC
88	510745.34	485241.20	23.71	RC PC, EC
89	510739.69	485234.40	23.58	RC PT, EC
90	510724.11	485202.27	24.00	RC PC, EC
91	510718.53	485202.74	24.10	END RC PCC, EC
93	510705.34	485233.15	24.90	PCC, EC
94	510705.58	485236.55	24.90	PT, EC
95	510708.24	485239.89	24.85	GB, EC
96	510710.90	485243.23	24.80	GB, EC, <PT
100	510755.70	485257.65	24.20	EP, <PT
101	510768.50	485265.30	24.34	EP, GB
102	510747.49	485299.76	24.75	EP, GB
103	510722.12	485284.29	24.58	EP, GB
104	510751.06	485261.20	24.15	EP, CL CB
105	510746.80	485264.62	24.21	EP, END TRANS
106	510742.11	485268.35	24.28	EP, BEGIN TRANS
107	510686.50	485312.60	24.90	EP, GB
108	510666.55	485328.48	24.84	EP, GB

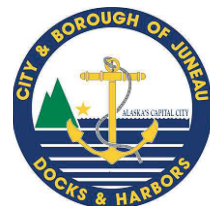
LAYOUT TABLE				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
109	510661.88	485332.20	24.74	EP, <PT
110	510653.03	485334.02	24.60	EP, CL CB
111	510637.85	485337.17	24.67	EP, <PT
112	510579.23	485383.77	25.01	EP, PT, GB
113	510570.78	485390.49	25.07	EP, END
114	510566.71	485421.96	25.30	EP, GB, PC
115	510535.04	485417.44	24.13	EP, GB, SW
116	510529.67	485421.54	23.99	EP, GB, SW, ME
117	510914.22	485302.69	27.05	EP, ME, BEGIN TRANS
118	510909.77	485304.85	26.88	EP, BEGIN VG, PC
119	510895.24	485307.06	26.56	EP, PT
120	510880.64	485306.86	26.18	EP, PC
121	510864.04	485302.92	25.70	EP, PT, APRON
122	510849.71	485294.08	25.28	EP, BEGIN TRANS
123	510825.75	485279.27	24.63	EP, CL CB
124	510854.11	485296.80	25.40	EP, APRON, PC
125	510862.99	485304.63	25.70	EP, VG, PC APRON
126	510854.03	485313.67	25.56	EP, BEGIN RAMP
127	510844.44	485319.21	25.45	EP, BEGIN TRANS
128	510833.62	485322.27	25.32	EP, PCC
129	510830.24	485316.73	25.22	EP, PT
130	510836.48	485306.52	25.06	EP, <PT
131	510867.25	485347.95	27.34	EP, BEGIN RAMP
132	510828.78	485378.60	26.81	EP, BEGIN RAMP
133	510824.85	485381.73	26.74	EP, BEGIN VG
134	510820.16	485385.43	26.67	EP, GB
135	510729.45	485457.67	25.20	EP, GB, CL CB
136	510726.52	485460.00	25.21	EP, PC
137	510716.19	485465.55	25.25	EP, PT
138	510705.71	485468.90	25.28	EP, BEGIN RAMP
139	510630.87	485492.84	25.51	EP, PC
140	510588.04	485483.37	25.65	EP, BEGIN RAMP
141	510580.60	485475.64	25.68	EP, PT, GB, END CURB
142	510574.25	485480.50	25.06	EP, END SW, ME
143	510551.94	485418.51	24.72	RE
144	510618.65	485438.75	26.25	RE
145	510642.27	485442.73	26.67	GB
146	510717.12	485395.78	26.41	GB
147	510875.86	485341.09	27.33	EP, <PT, END
148	510825.17	485391.72	26.75	EP, BW

LAYOUT TABLE				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
149	510853.97	485427.94	26.72	EP, <PT
150	510770.32	485494.60	26.74	EP, <PT
151	510741.43	485458.36	25.41	EP, BW
152	510660.01	485345.25	24.89	RE
153	510752.01	485233.63	23.10	EP, CL CB
154	510722.34	485105.96	24.28	EP, ME
155	510729.14	485194.32	23.91	TC, SW GB
156	510721.75	485197.78	24.07	TC, SW GB
157	510708.31	485194.54	24.34	TC, SW GB, BL
161	510700.06	485245.31	25.00	TC, GB, END TD
162	510688.67	485236.05	25.15	TC, GB SW, BL
163	510642.60	485307.71	25.04	TC, GB
164	510574.27	485377.57	25.16	TC, SW GB, <PT
165	510566.74	485368.11	25.10	TC, GB SW
166	510565.20	485366.18	25.08	TC, SW GB, PT
167	510566.15	485352.12	25.00	TC, END TD, GB, PC
173	510754.95	485188.50	23.93	ME, WATER CONNECT
176	510724.45	485205.79	23.96	YARD HYDRANT
201	510769.63	485174.46	--	STRIPE
202	510773.67	485188.79	--	STRIPE
203	510787.59	485199.32	--	STRIPE
204	510905.77	485271.66	--	STRIPE
205	510858.89	485287.51	--	STRIPE
206	510732.31	485063.15	--	STRIPE
207	510866.47	485272.14	--	STRIPE
208	510780.59	485217.12	--	STRIPE
209	510750.40	485142.50	--	STRIPE
210	510553.31	485412.18	--	STRIPE
211	510564.13	485426.56	--	STRIPE
212	510568.01	485472.27	--	STRIPE
301	510566.70	485400.93	25.13	RAMP BL END
302	510535.10	485362.03	21.34	RAMP BL PT
303	510479.58	485314.75	9.01	RAMP BL PC
304	510387.63	485261.87	-4.00	RAMP BL BEGIN
305	510553.01	485367.53	24.00	FG, GB
306	510543.68	485356.93	21.70	FG
307	510539.89	485334.32	14.14	FG, ME
308	510504.36	485308.19	7.10	FG, ME
309	510493.58	485312.50	10.99	FG, GB
310	510480.22	485331.33	10.00	FG, GB

LAYOUT TABLE				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
311	510461.86	485291.39	4.88	FG
312	510446.88	485279.68	2.68	FG, ME
313	510397.99	485248.65	-4.00	FG, ME
314	510540.42	485377.86	23.95	FG, ME
315	510553.52	485394.44	24.62	FG, EC
316	510540.55	485405.11	24.10	FG, EC
317	510531.41	485412.67	23.92	FG, ME, BL
318	510488.24	485320.03	10.72	FG, GB, POC BL
319	510514.91	485367.03	10.72	FG, GB
500	510711.50	485179.76	24.26	RAIL BL, TC, PC
501	510712.15	485159.64	24.34	RAIL BL, TC, <PT
502	510713.71	485149.70	24.38	RAIL BL, TC, <PT
503	510558.56	485345.30	25.15	RAIL BL, TC, PC
504	510566.09	485384.07	25.01	END RAIL BL, TC
505	510556.93	485372.33	25.15	RAIL BL, TC, PC
506	510654.57	485269.11	25.04	RAIL BL, TC, ME
507	510631.15	485287.73	25.06	RAIL BL, TC, ME
508	510712.34	485048.82	24.69	BEGIN RAIL BL, TC
509	510712.98	485061.37	24.65	RAIL BL, TC, <PT
510	510697.91	485221.08	24.85	RAIL BL, TC, PCC
511	510673.52	485252.76	25.15	RAIL BL, TC, PT
512	510664.59	485260.78	25.14	RAIL BL, TC, <PT
513	510553.39	485355.94	25.15	RAIL BL, TC, PT
514	510553.12	485359.29	25.15	RAIL BL, TC, PC
515	510564.18	485381.59	25.00	RAIL BL, TC, END RAIL

TABLE ABBREVIATIONS:

- <PT= ANGLE POINT
- BL= BASELINE
- BTM= BOTTOM
- BW= BACK OF WALK
- CL= CENTERLINE
- CONC= CONCRETE
- EC= EDGE OF CONCRETE
- EP= EDGE OF PAVEMENT
- GB= GRADE BREAK
- ME= MATCH EXISTING
- PC= POINT OF CURVATURE
- PCC= POINT OF COMPOUND CURVE
- PT= POINT OF TANGENCY
- POC= POINT ON CURVE
- RAIL= RAILING
- RC= RETAINING CURB
- RE= RIM ELEVATION
- SW= SEAWALK/SIDEWALK
- TC= TOP OF CURB
- TD= TRENCH DRAIN
- TRANS= TRANSITION
- VG= VALLEY GUTTER



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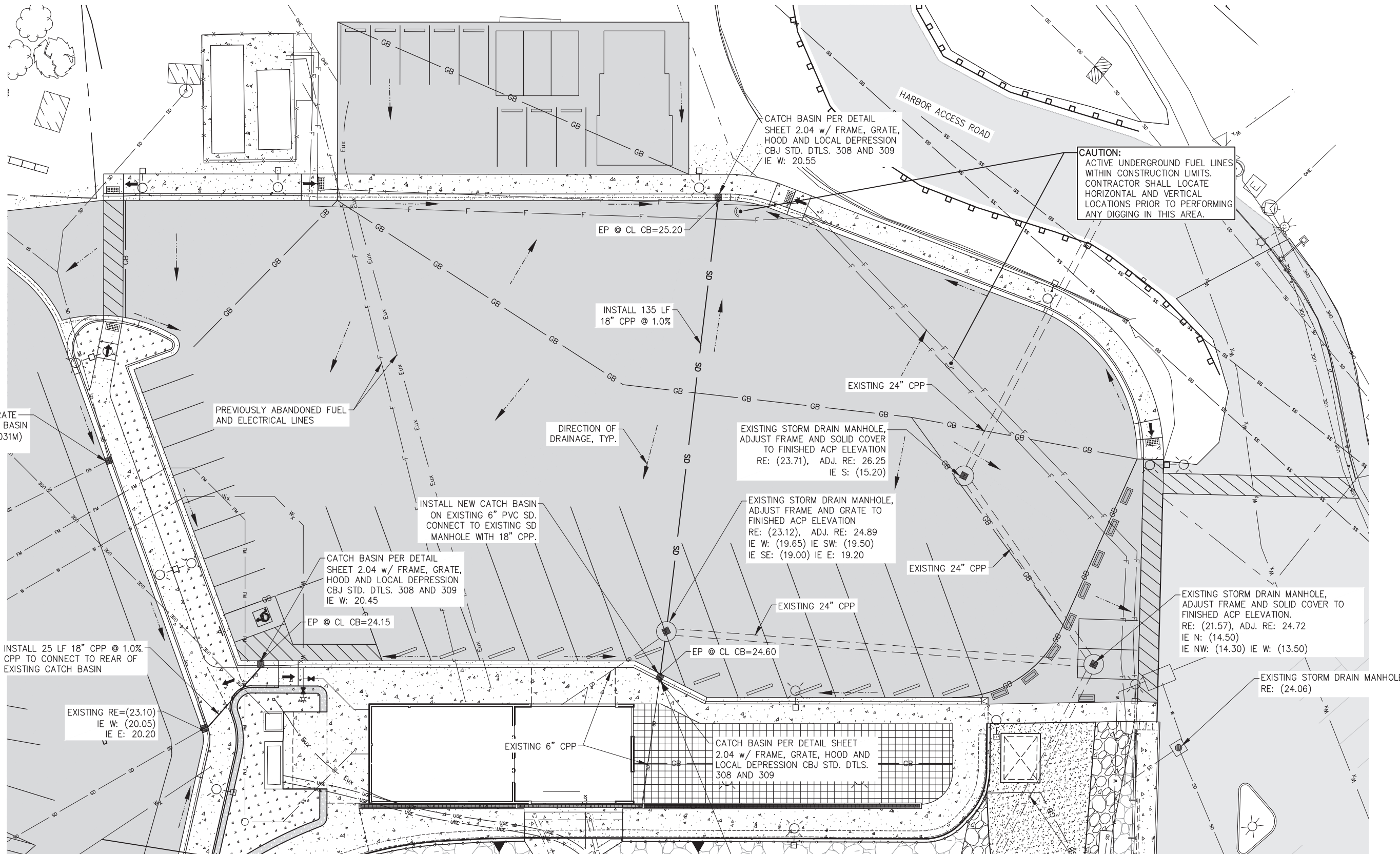
**CITY & BOROUGH OF JUNEAU, ALASKA**  
**STATTER HARBOR IMPROVEMENTS PH III(D)**  
**CBJ CONTRACT NO. DH25-023**

SHEET TITLE:  
**GRADING POINTS AND  
LAYOUT TABLES**

PND PROJECT NO.: 182069    C.A.N. NO.: AECC250

**1.08**





NEW FRAME AND GRATE ON EXISTING CATCH BASIN (EJW 5031Z AND 5031M) RE: 24.63

PREVIOUSLY ABANDONED FUEL AND ELECTRICAL LINES

DIRECTION OF DRAINAGE, TYP.

INSTALL NEW CATCH BASIN ON EXISTING 6" SD. CONNECT TO EXISTING SD MANHOLE WITH 18" CPP.

CATCH BASIN PER DETAIL SHEET 2.04 w/ FRAME, GRATE, HOOD AND LOCAL DEPRESSION CBJ STD. DTLs. 308 AND 309 IE W: 20.45

EP @ CL CB=24.15

INSTALL 25 LF 18" CPP @ 1.0% CPP TO CONNECT TO REAR OF EXISTING CATCH BASIN

EXISTING RE=(23.10) IE W: (20.05) IE E: 20.20

EXISTING 6" CPP

CATCH BASIN PER DETAIL SHEET 2.04 w/ FRAME, GRATE, HOOD AND LOCAL DEPRESSION CBJ STD. DTLs. 308 AND 309

INSTALL NEW CATCH BASIN ON EXISTING 6" SD PIPE. CONNECT TO EXISTING SD MANHOLE WITH 18" CPP.

CAUTION: ACTIVE UNDERGROUND FUEL LINES WITHIN CONSTRUCTION LIMITS. CONTRACTOR SHALL LOCATE HORIZONTAL AND VERTICAL LOCATIONS PRIOR TO PERFORMING ANY DIGGING IN THIS AREA.

EXISTING STORM DRAIN MANHOLE, ADJUST FRAME AND SOLID COVER TO FINISHED ACP ELEVATION. RE: (21.57), ADJ. RE: 24.72 IE N: (14.50) IE NW: (14.30) IE W: (13.50)

EXISTING STORM DRAIN MANHOLE RE: (24.06)



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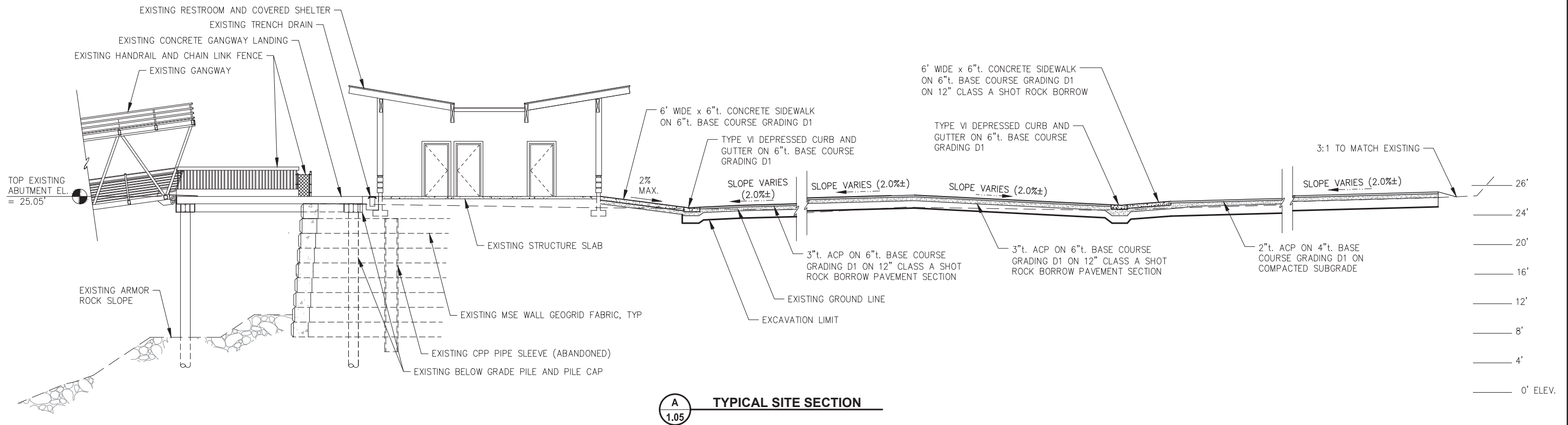
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STORM DRAIN PLAN

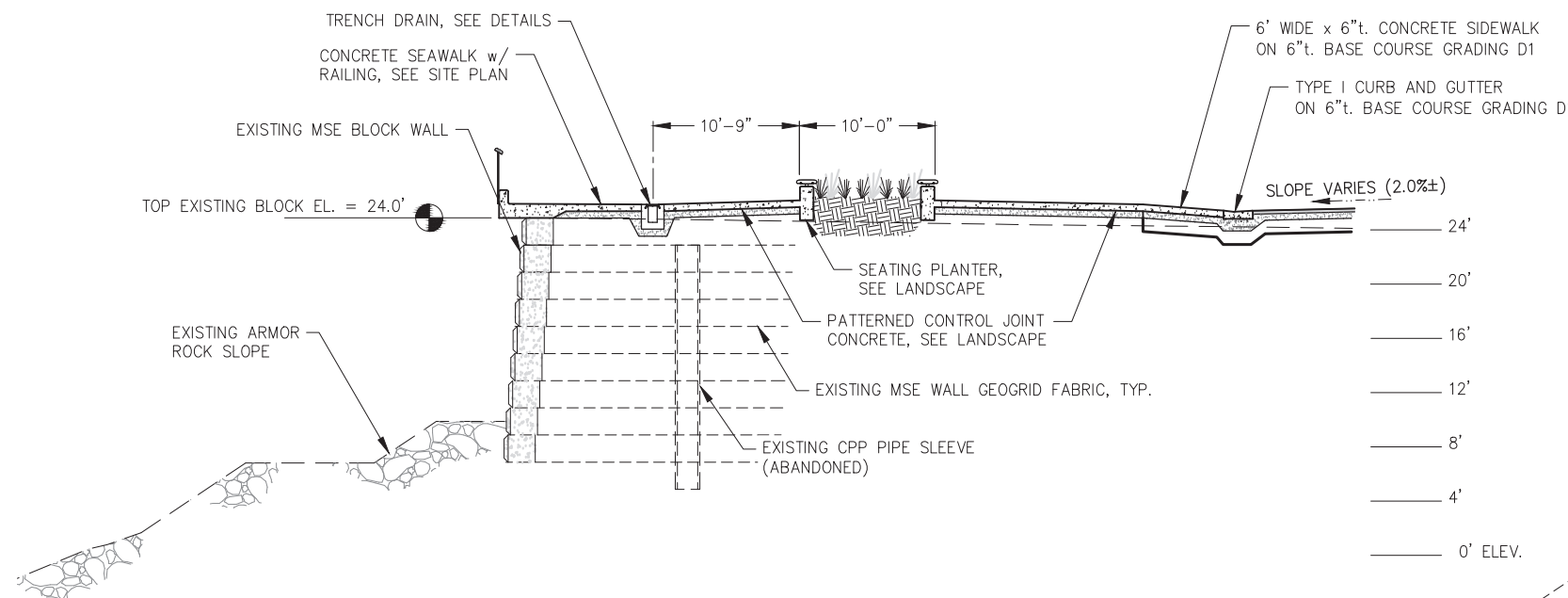
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PND PROJECT NO.: 182069

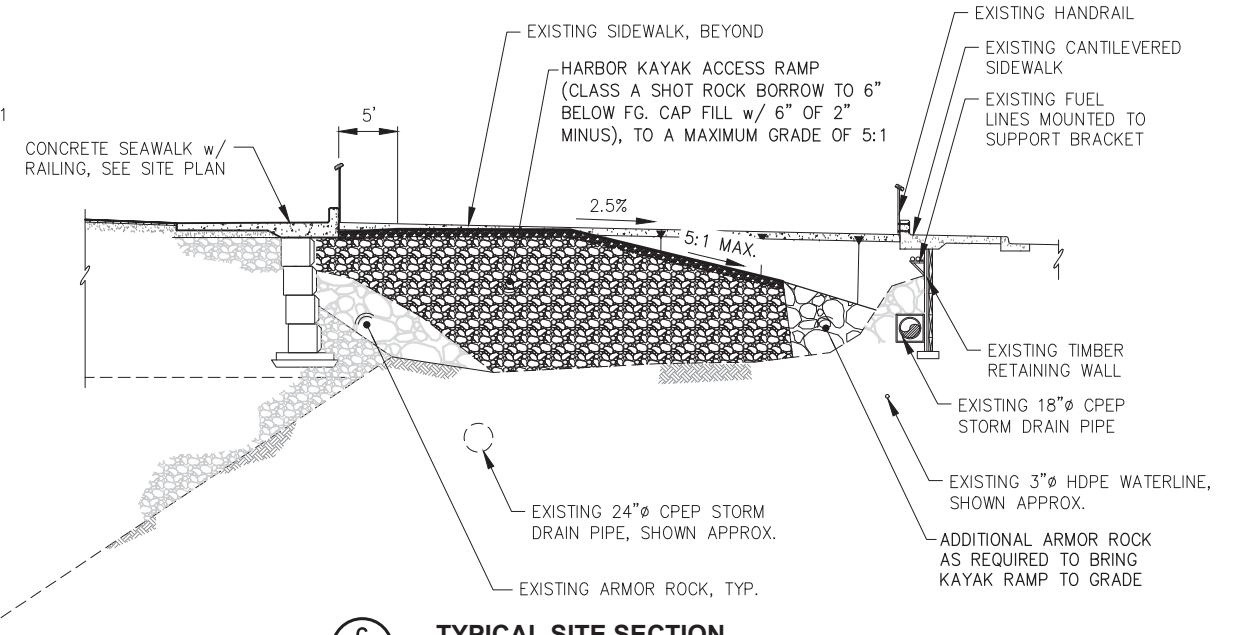
C.A.N. NO.: AECC250



**A**  
1.05 **TYPICAL SITE SECTION**



**B**  
1.05 **TYPICAL SITE SECTION**



**C**  
2.02 **TYPICAL SITE SECTION**  
SEE SHEET 2.02, KAYAK LAUNCH RAMP PLAN AND PROFILE, FOR ADDITIONAL DETAIL.



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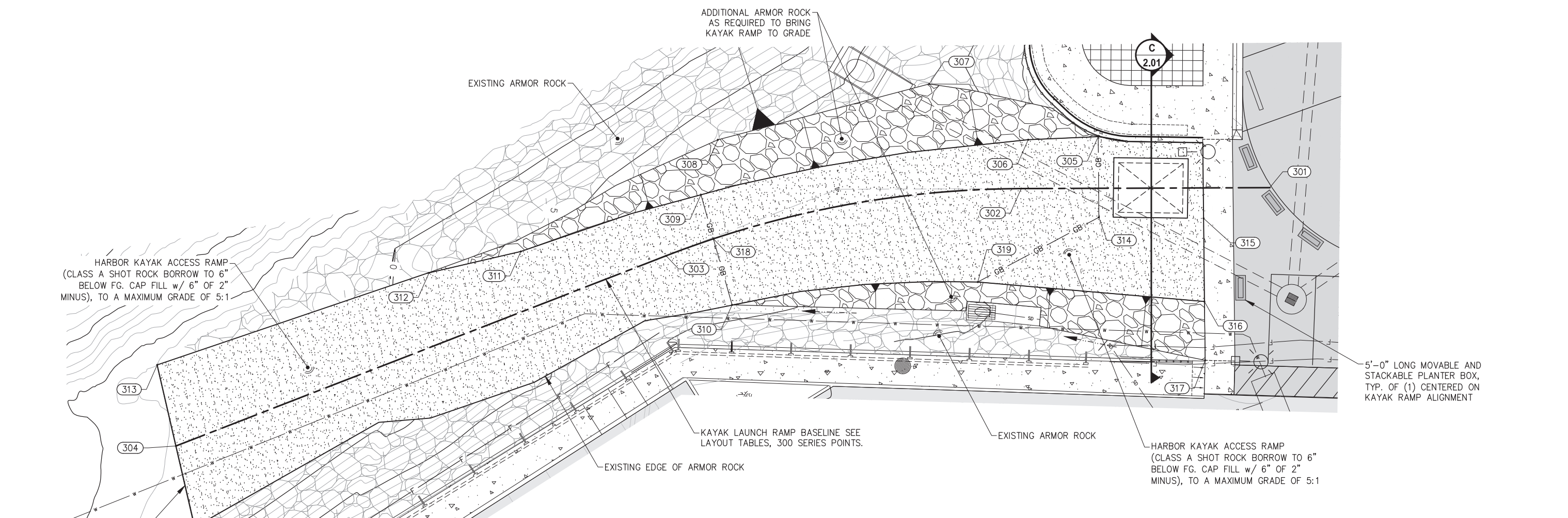
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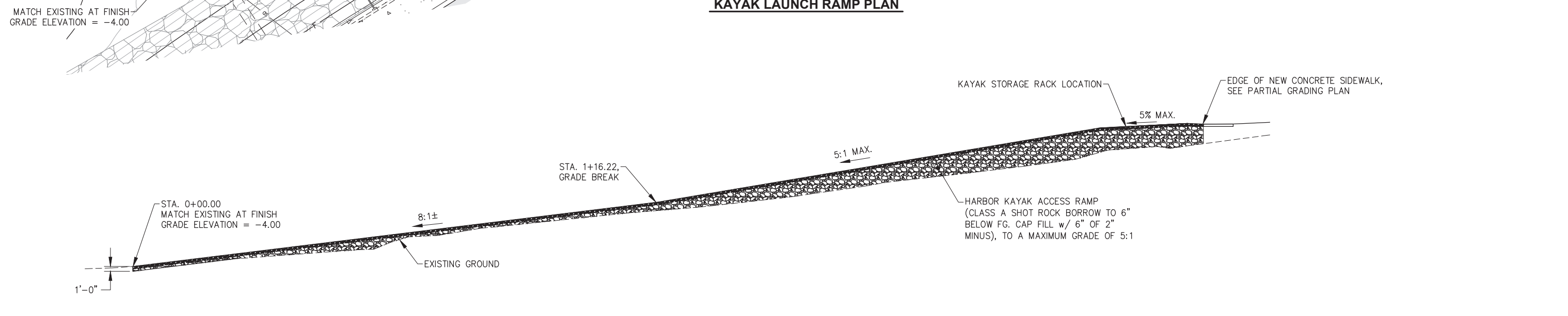
SHEET TITLE:  
**SITE SECTIONS**

**2.01**

PND PROJECT NO.: 182069 C.A.N. NO.: AECC250



**KAYAK LAUNCH RAMP PLAN**



**KAYAK LAUNCH RAMP BASELINE PROFILE**



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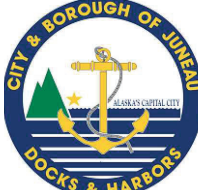
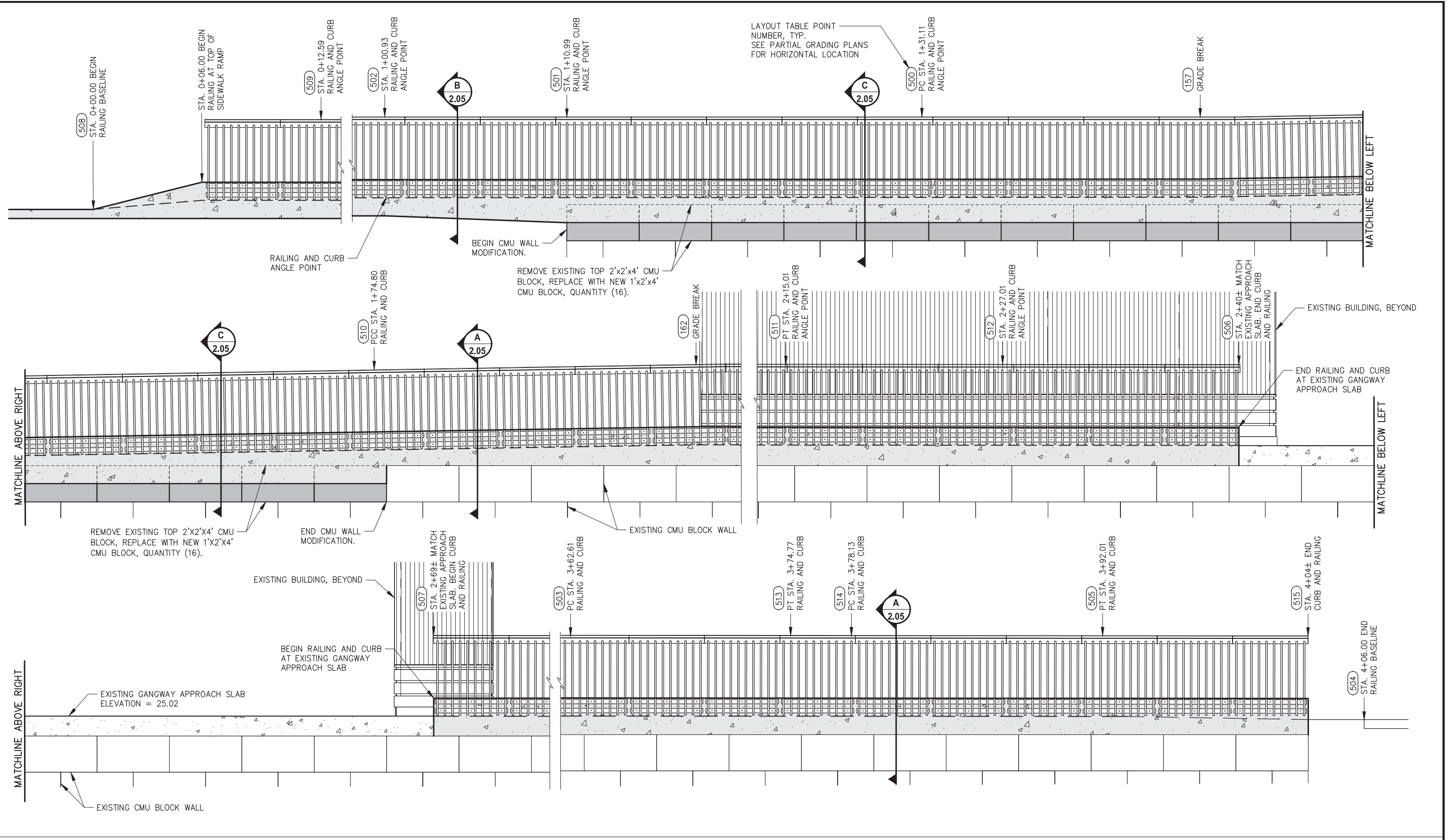
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CBJ CONTRACT NO. DH25-023

SHEET TITLE:  
**KAYAK LAUNCH RAMP  
PLAN AND PROFILE**

PND PROJECT NO.: 182069    C.A.N. NO.: AECC250



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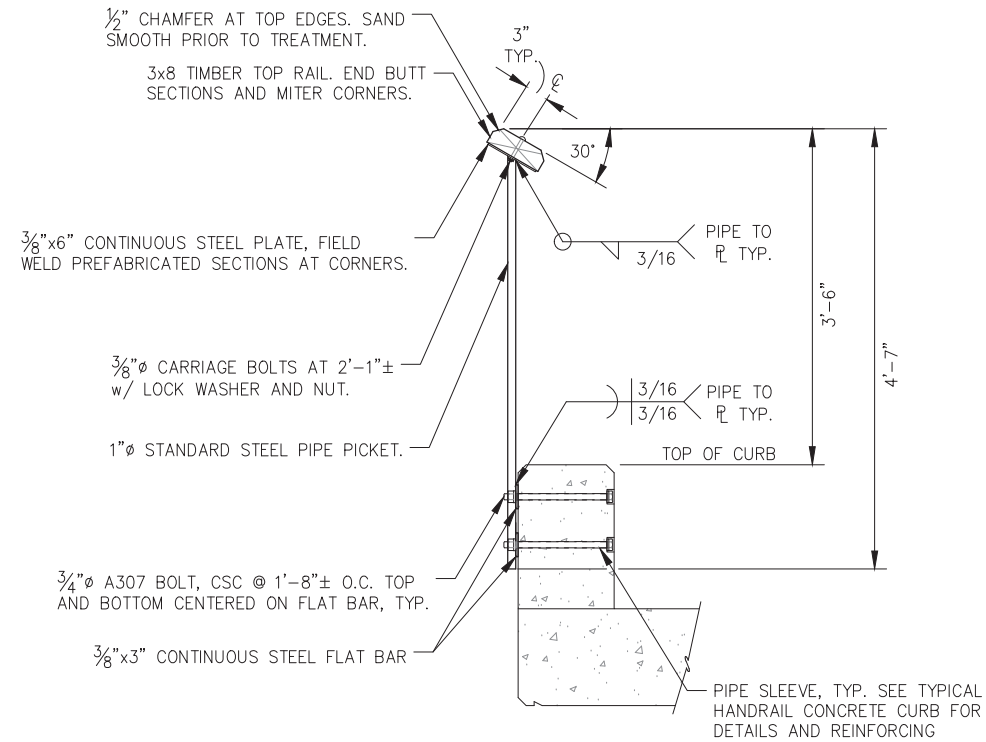
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**CBJ CONTRACT NO. DH25-023**

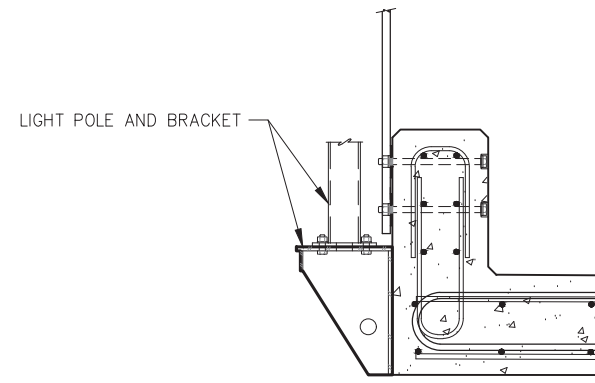
SHEET TITLE:  
**RAILING ELEVATION**

PND PROJECT NO.: 182069    C.A.N. NO.: AECC250

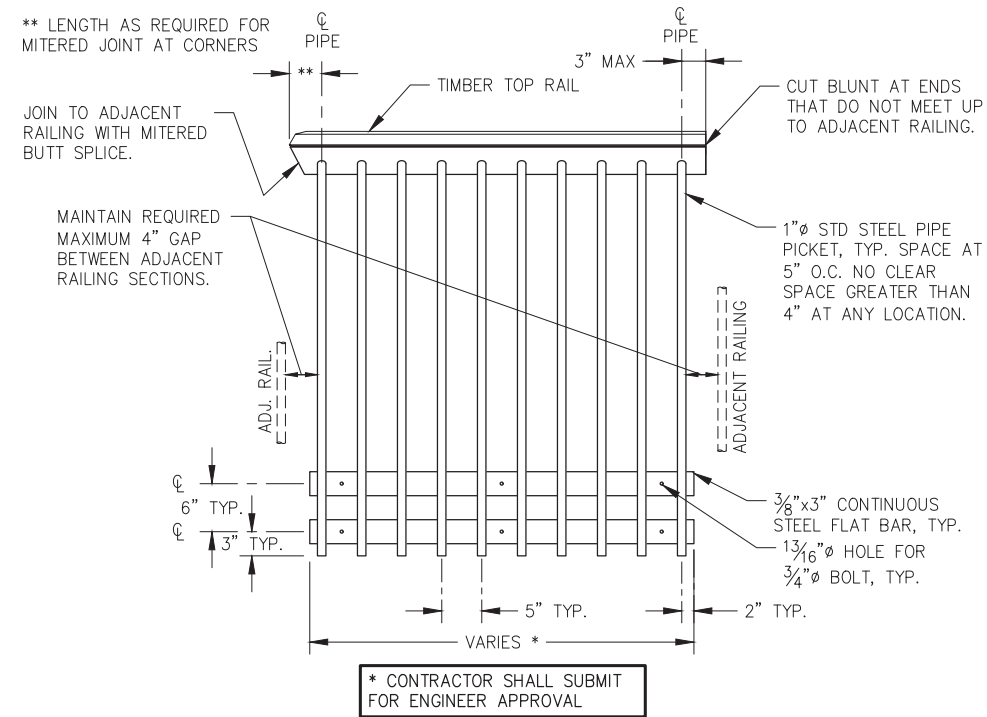
**2.03**



**A** TYPICAL RAILING SECTION



**E** TYPICAL LIGHT POLE BRACKET



**B** TYPICAL HANDRAIL DETAIL



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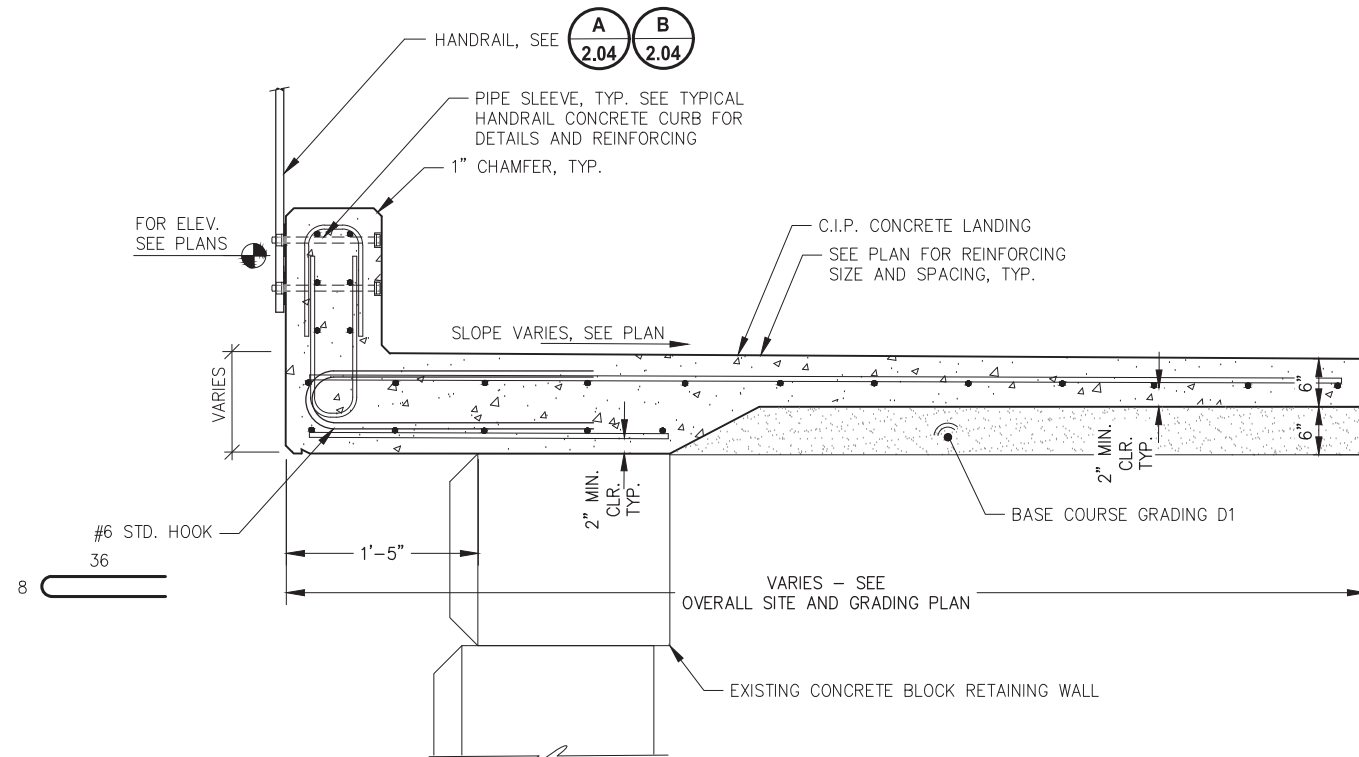
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CBJ CONTRACT NO. DH25-023**

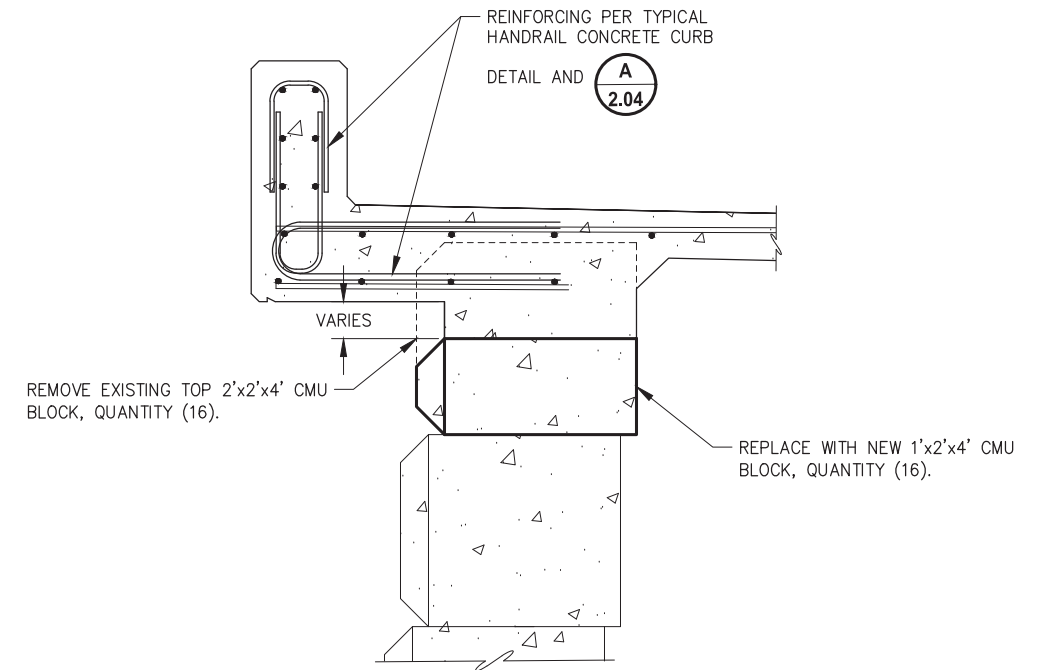
SHEET TITLE:  
**SITE DETAILS**

PND PROJECT NO.: 182069 C.A.N. NO.: AECC250

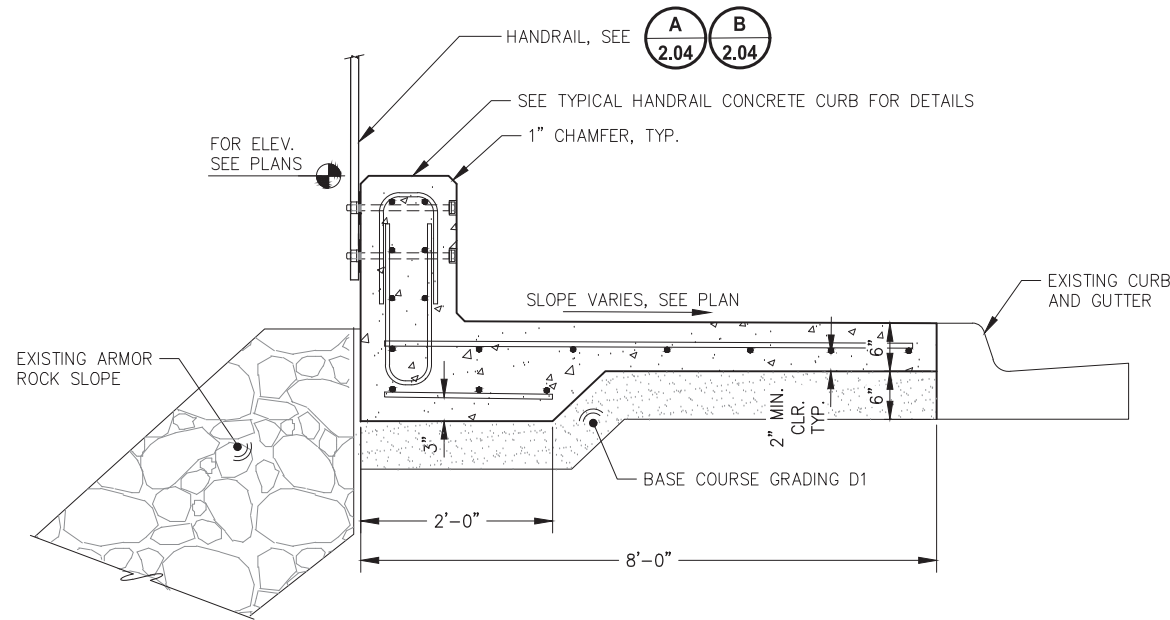
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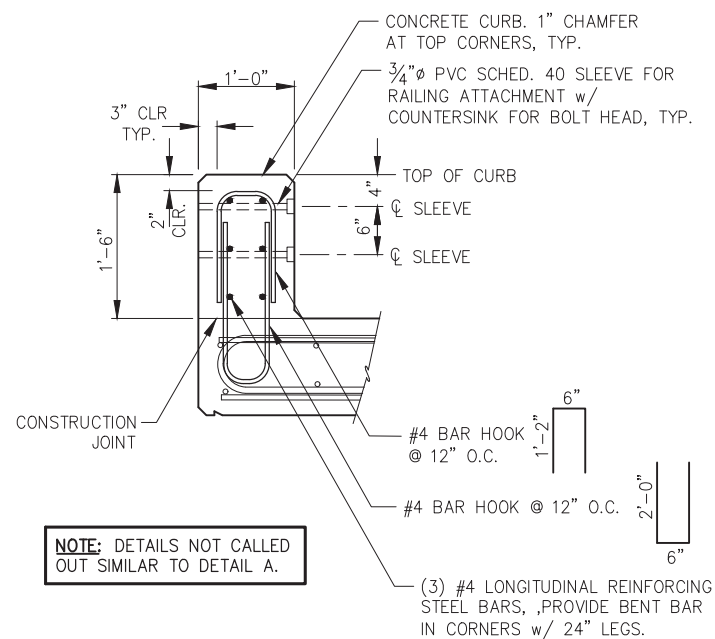
**A A CONCRETE SEAWALK WITH RAILING**  
1.05 2.03



**C CMU WALL MODIFICATION DETAIL**  
2.03



**B B CONCRETE SIDEWALK WITH RAILING**  
1.05 2.03



NOTE: DETAILS NOT CALLED OUT SIMILAR TO DETAIL A.

**TYPICAL HANDRAIL CONCRETE CURB**



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**STATTER HARBOR IMPROVEMENTS PH III(D)**  
**CBJ CONTRACT NO. DH25-023**

SHEET TITLE:

**SITE DETAILS**

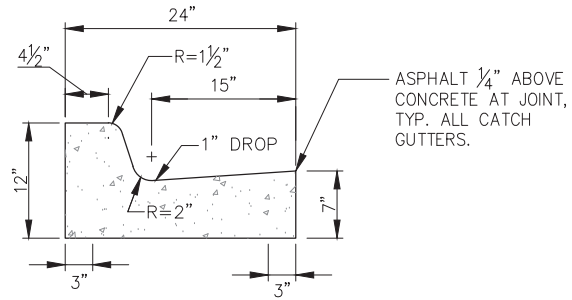
**2.05**

PND PROJECT NO.: 182069

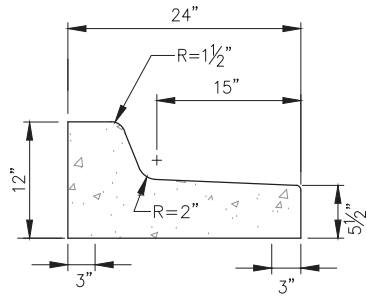
C.A.N. NO.: AECC250

**GENERAL CURB & GUTTER NOTES:**

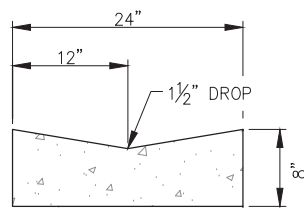
1. THE VERTICAL MATCH POINT FOR ALL CURB AND GUTTER TRANSITIONS SHALL BE THE FLOWLINE.
2. CURB AND GUTTER TRANSITIONS SHALL BE GRADUAL OVER A MIN DISTANCE OF 6 LF PER ENGINEER DIRECTION.
3. ALL STEEL MUST HAVE A MINIMUM OF 2" OF CONCRETE COVER.
4. ALL JOINTS AND SEAMS SHALL BE TOOLED AND EDGED, SEE SERIES 6 FOR CONTROL JOINT DTL.
5. STEEL TROWELING FINISH REQUIRED PRIOR TO BROOM FINISHING OF ALL SURFACES.
6. CONCRETE INTERNATIONAL CORPORATION ASHFORD FORMULA OR APPROVED EQUAL SHALL BE APPLIED AS A CURING COMPOUND. APPLICATION SHALL EXPLICITLY CONFORM TO THE MANUFACTURER'S RECOMMENDATIONS.
7. BED ALL TYPES OF CURB AND GUTTER W/ 6"t. MIN LAYER OF BASE COURSE GRADING D-1, ALL AROUND.
8. SUBBASE MATERIALS SHALL BE PER APPLICABLE FILL SECTION, EXCEPT AS NOTED.
9. CURBS SHALL HAVE POLY-FIBER REINFORCEMENT UNO, SEE SPECIFICATIONS.



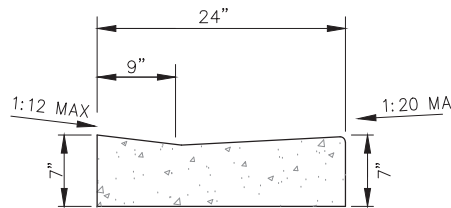
**TYPE I CURB AND GUTTER  
STANDARD CATCH**



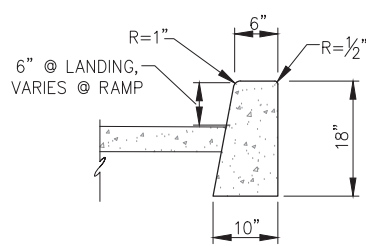
**TYPE II CURB AND GUTTER  
STANDARD SPILL**



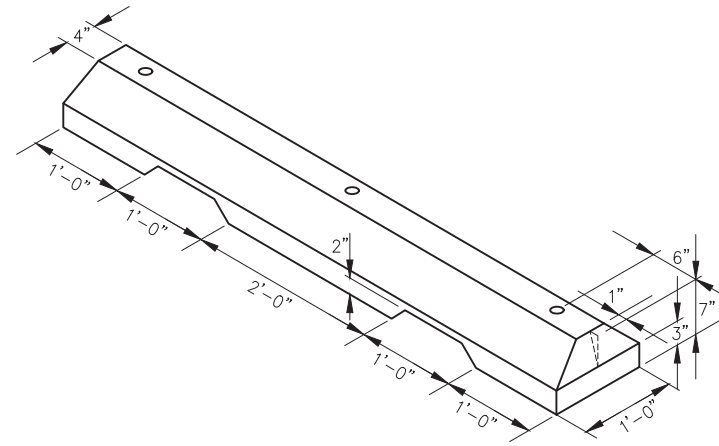
**TYPE III VALLEY GUTTER**



**TYPE IV DEPRESSED CURB  
(FOR ADA PURPOSES)**

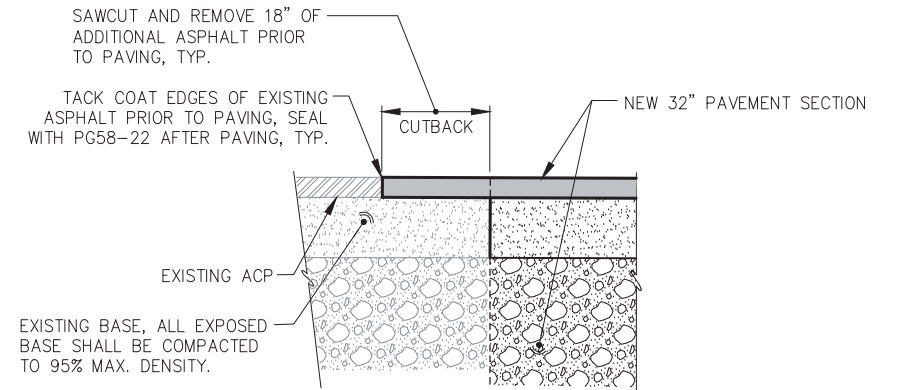


**TYPE V BACKING CURB**

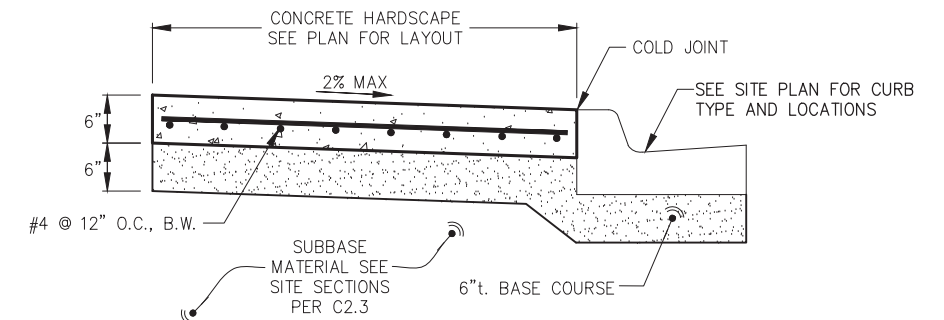


**REMOVABLE CONCRETE WHEEL STOP DETAIL**

( QUANTITY: 20 REQ'D. )



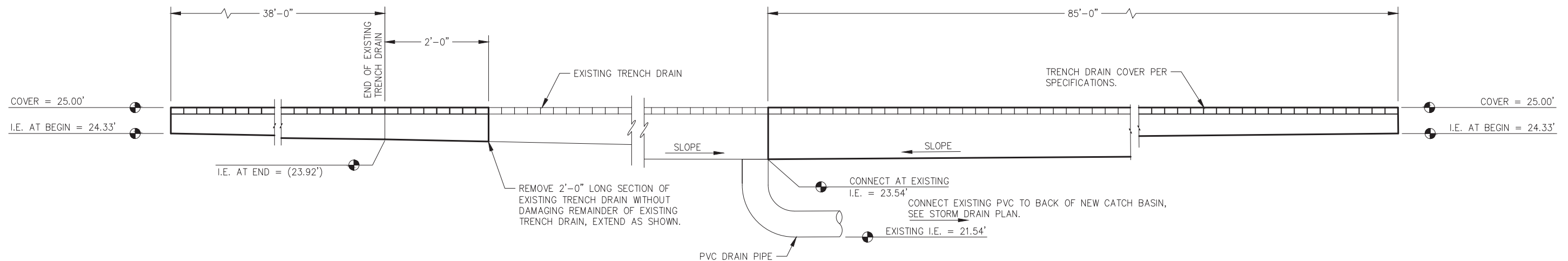
**AC PAVEMENT MATCH**



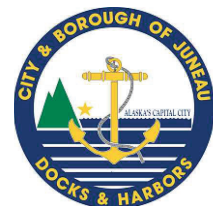
**SIDEWALK/HARDSCAPE NOTES:**

1. ALL JOINTS SHALL BE EDGED.
2. EXPANSION JOINTS SHALL BE MAX 1/2", MIN 1/4", WITH NO GAPS FOR WATER INTRUSION.
3. STEEL TROWELING FINISH REQUIRED PRIOR TO BROOM FINISHING ON ALL SURFACES.
4. CONCRETE INTERNATIONAL CORPORATION ASHFORD FORMULA OR APPROVED EQUAL SHALL BE APPLIED AS A CURING COMPOUND. APPLICATION SHALL CONFORM TO THE MANUFACTURERS INSTRUCTIONS.

**CONCRETE SIDEWALK/HARDSCAPE SECTION**



**TRENCH DRAIN PROFILE**



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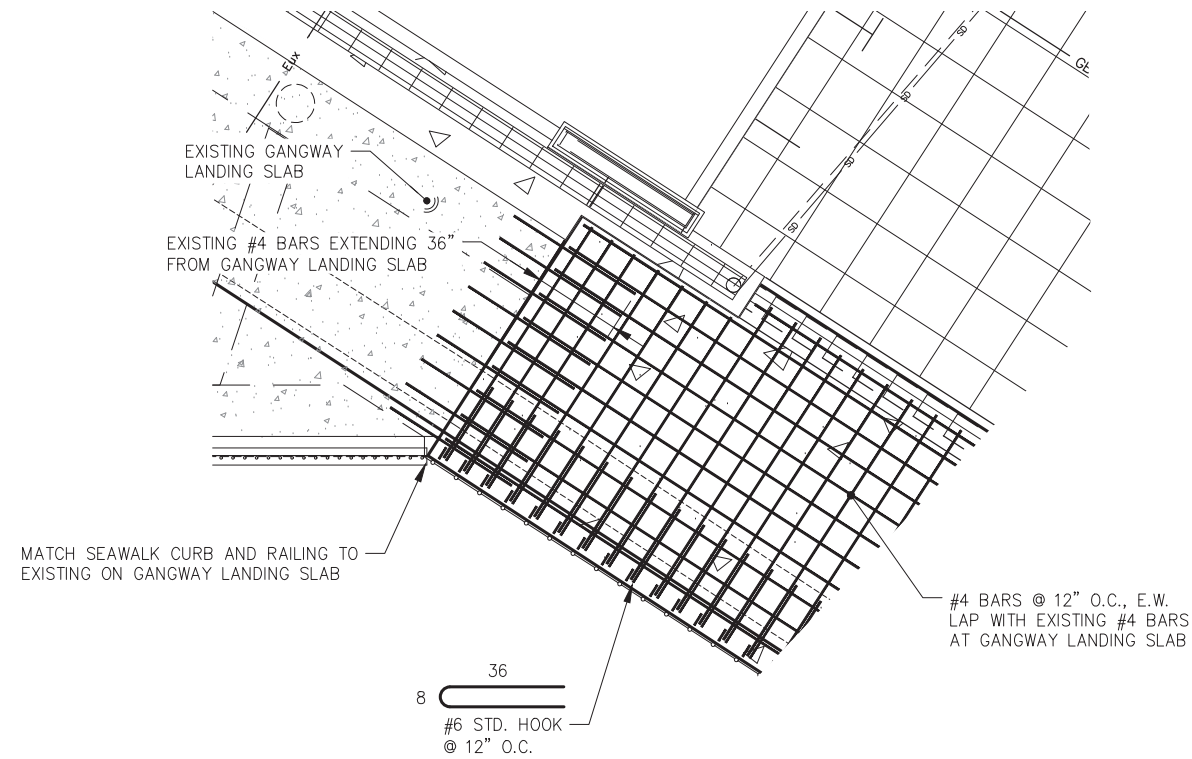
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STATTER HARBOR IMPROVEMENTS PH III(D)  
CBJ CONTRACT NO. DH25-023**

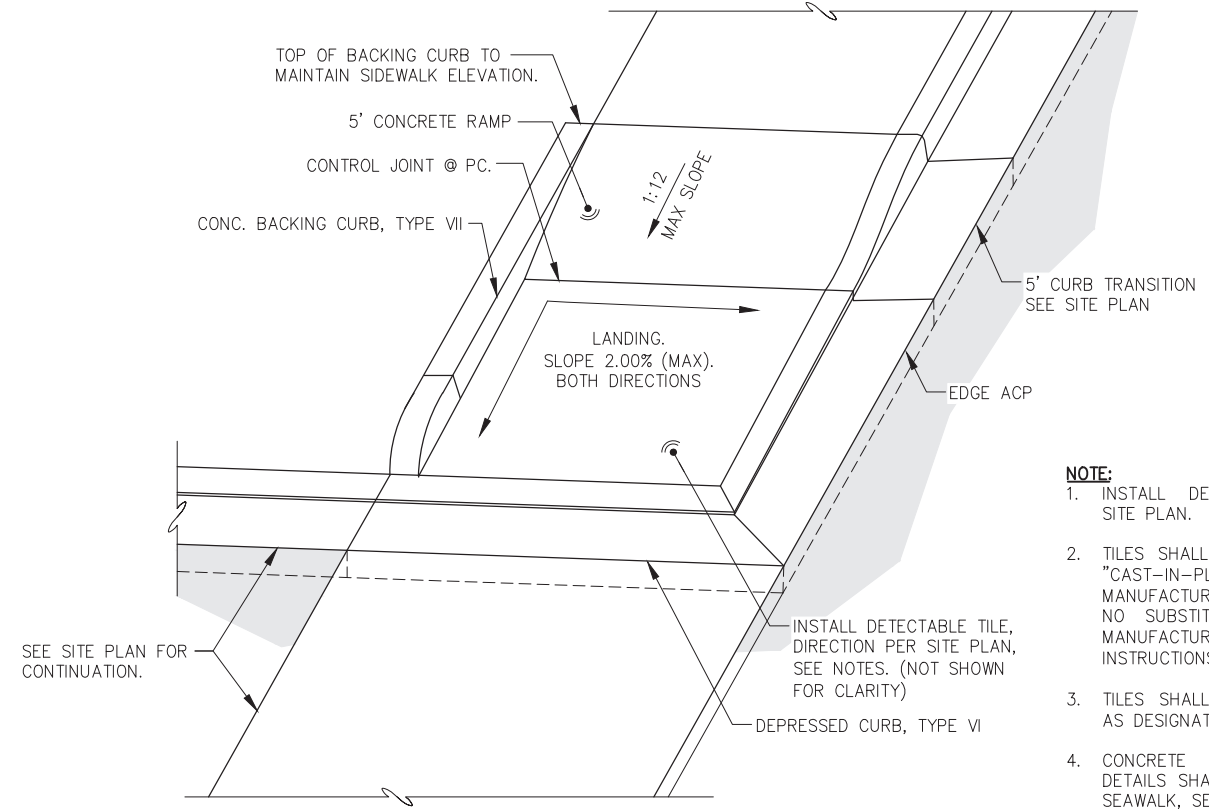
SHEET TITLE:  
**SITE DETAILS**

PND PROJECT NO.: 182069 C.A.N. NO.: AECC250

**2.06**

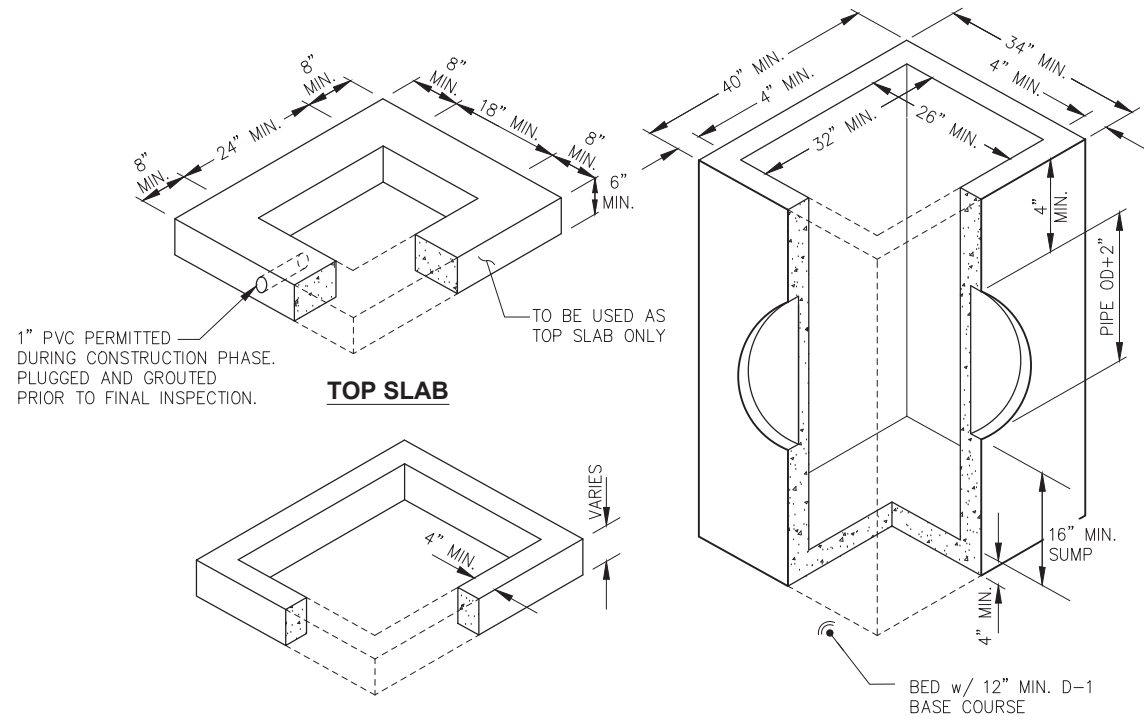


**SEAWALK CONNECTION**

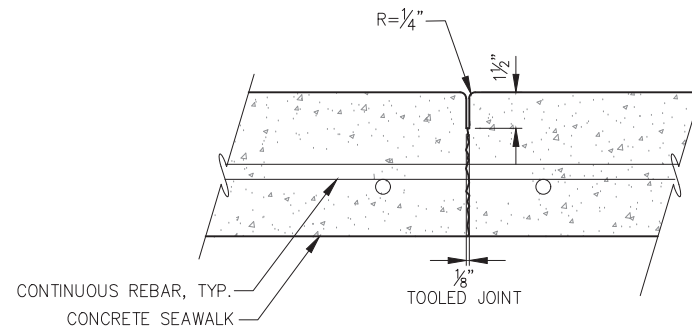


**SIDEWALK RAMP w/ LANDING DETAIL**

- NOTE:**
1. INSTALL DETECTABLE TILES PER SITE PLAN.
  2. TILES SHALL BE BLACK IN COLOR, "CAST-IN-PLACE REPLACEABLE" AS MANUFACTURED BY ADA SOLUTIONS, NO SUBSTITUTIONS. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
  3. TILES SHALL BE 2'x4' OR RADIUS AS DESIGNATED, SEE SITE PLAN.
  4. CONCRETE RAMP AND LANDING DETAILS SHALL BE SIMILAR TO THE SEAWALK, SEE SERIES 6.



**STORM SEWER CATCH BASIN DETAIL**



- NOTES:**
1. ALL JOINTS SHALL BE TOOLED AS SHOWN.

**CONTROL JOINT DETAIL**



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DESIGN: BMI    CHECKED: CRS    SCALE:  
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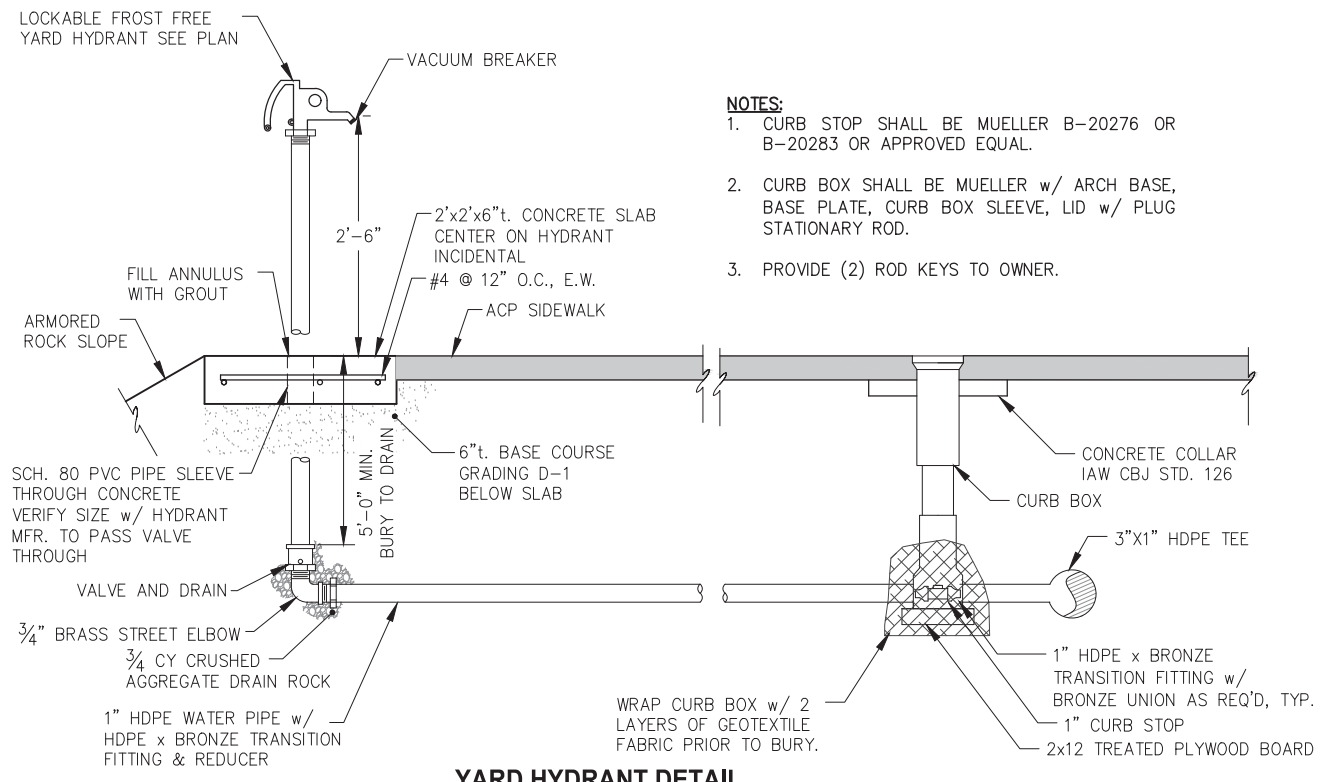
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SHEET TITLE:  
**SITE DETAILS**

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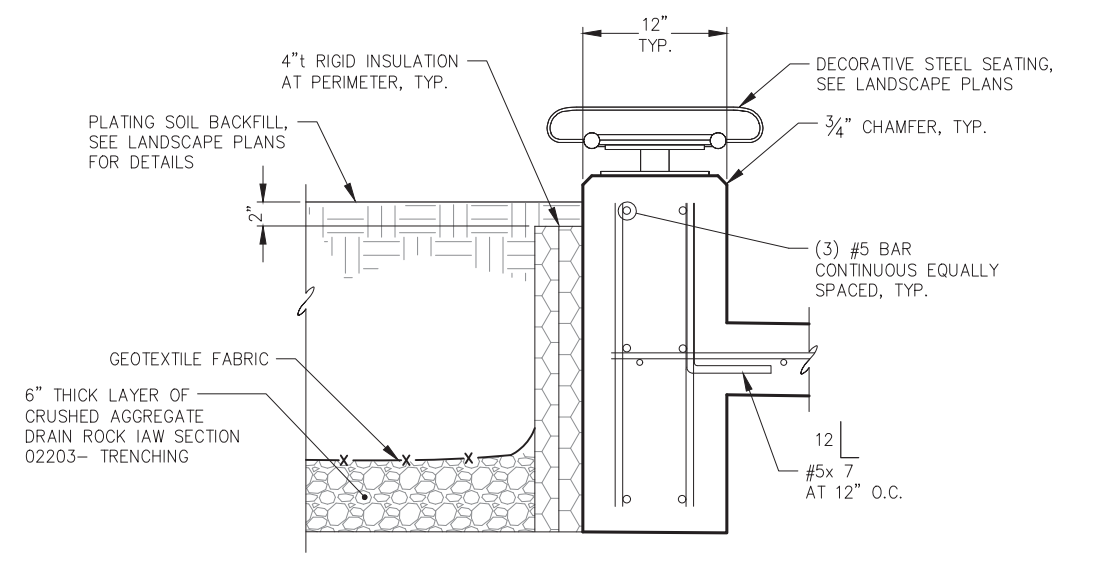
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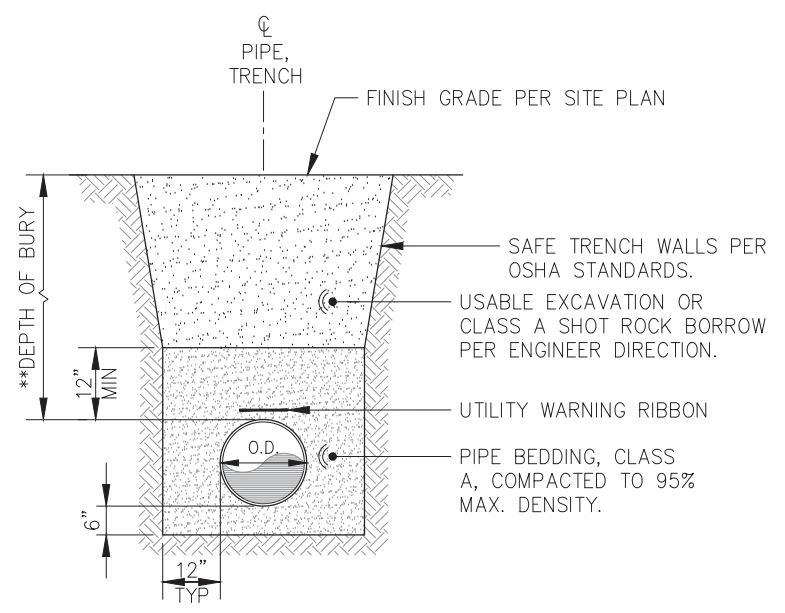


- NOTES:**
- CURB STOP SHALL BE MUELLER B-20276 OR B-20283 OR APPROVED EQUAL.
  - CURB BOX SHALL BE MUELLER w/ ARCH BASE, BASE PLATE, CURB BOX SLEEVE, LID w/ PLUG STATIONARY ROD.
  - PROVIDE (2) ROD KEYS TO OWNER.

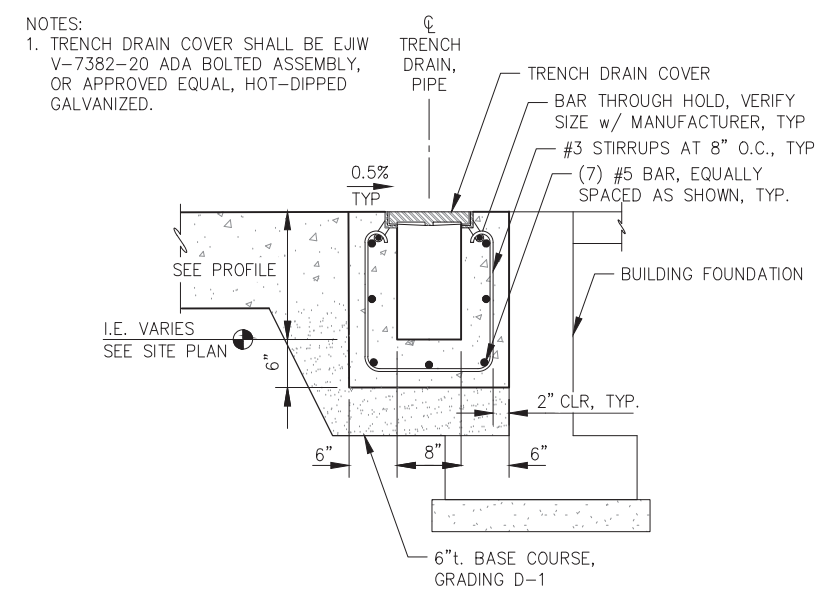
**YARD HYDRANT DETAIL**



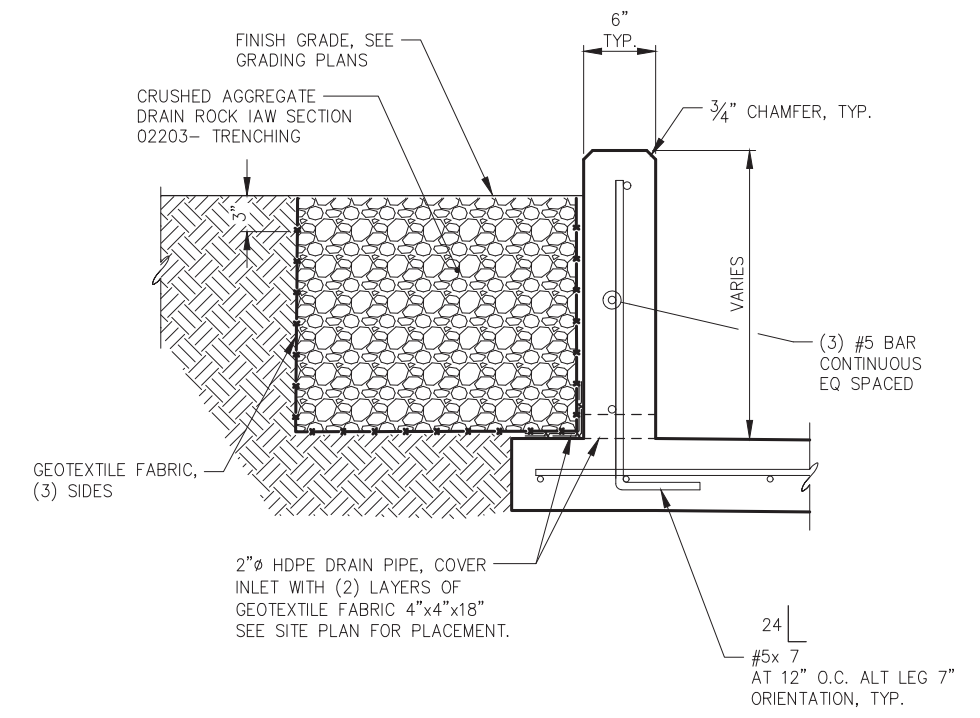
**A PLANTER TYPICAL DETAIL**



**PIPE TRENCH - TYPICAL SECTION**



**TRENCH DRAIN AT BUILDING FOUNDATION**



**B RETAINING CURB AT UTILITY ISLAND**



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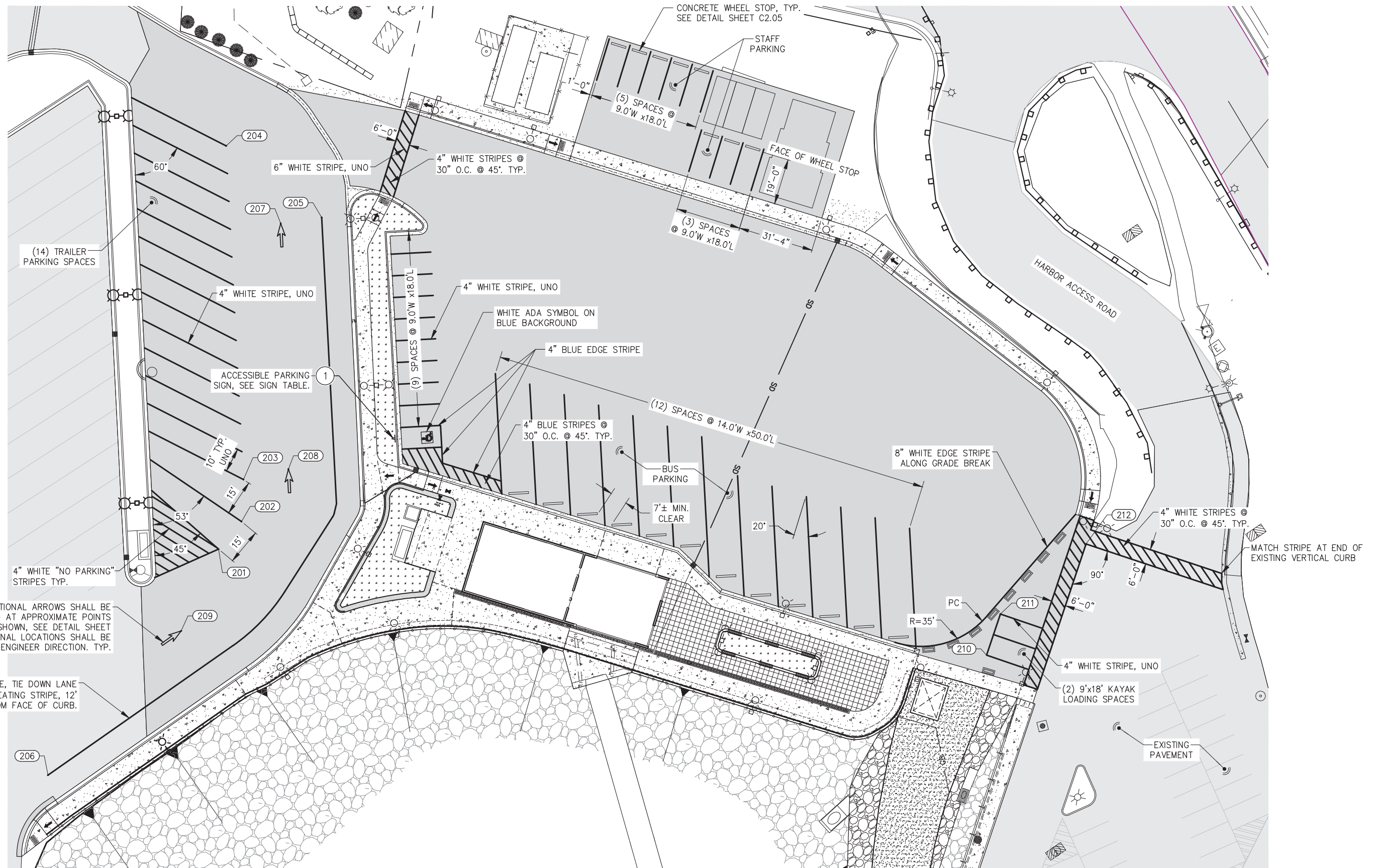
DATE: 12/03/2024

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CBJ CONTRACT NO. DH25-023**

SHEET TITLE:  
**SITE DETAILS**

PND PROJECT NO.: 182069 C.A.N. NO.: AECC250

**2.08**



DIRECTIONAL ARROWS SHALL BE LOCATED AT APPROXIMATE POINTS AS SHOWN, SEE DETAIL SHEET 3.02. FINAL LOCATIONS SHALL BE PER ENGINEER DIRECTION. TYP.

8" WHITE, TIE DOWN LANE DELINEATING STRIPE, 12' OFFSET FROM FACE OF CURB.

REVISIONS

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DESIGN: BMI CHECKED: CRS SCALE: SCALE IN FEET  
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CBJ CONTRACT NO. DH25-023

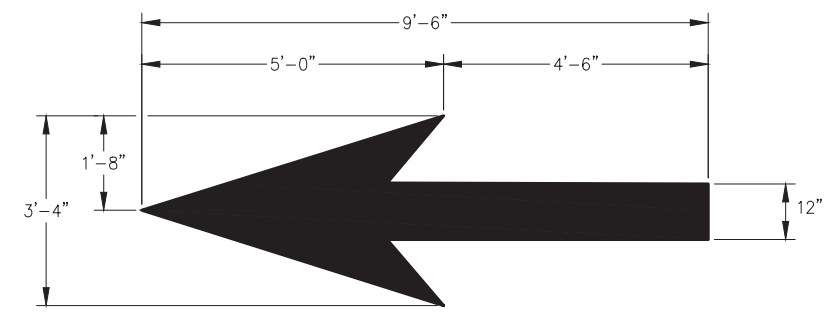
SHEET TITLE:  
**STRIPING PLAN**

3.01

PND PROJECT NO.: 182069 C.A.N. NO.: AECC250

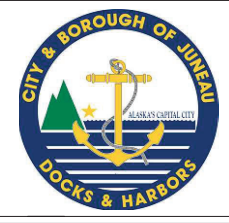
SIGN SCHEDULE						
SIGN NO.	MUTCD CODE NO.	DESCRIPTION	SIGN SIZE (INCH)	POST SIZE (INCH)	NORTHING	EASTING
①	R7-8	RESERVED PARKING	12 x 18	2.0" SQUARE PERFORATED TUBE		

- NOTES:**
- MUTCD CODE NO. FROM U.S. DOT FEDERAL HIGHWAY ADMINISTRATION "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", DECEMBER 2023
  - SIGNS AND SIGN POSTS SHALL BE PROVIDED & INSTALLED IAW CBJ STANDARD 127A.



**THROUGH LANE-USE ARROW**  
(QUANTITY: 3)

**NOTE:**  
ARROWS TO BE LOCATED AT APPROXIMATE LOCATION SHOWN ON SIGNING AND STRIPING PLAN. EXACT LOCATION TO BE DETERMINED IN FIELD AS INSTRUCTED BY ENGINEER.



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**STATTER HARBOR IMPROVEMENTS PH III(D)**  
CBJ CONTRACT NO. DH25-023

SHEET TITLE:  
**STRIPING AND SIGNAGE DETAILS**

PND PROJECT NO.: 182069 C.A.N. NO.: AECC250

**3.02**

## LUMINAIRE SCHEDULE

TYPE	LOAD	DESCRIPTION	MANUFACTURER	MODEL NUMBER	DRIVER	NOTES
A	95W	POLE MOUNT LED SITE LIGHT, DIE-CAST LOW-COPPER ALUMINUM HOUSING, CLEAR GLASS LENS, TYPE IV DISTRIBUTION, INTEGRAL ELECTRONIC DRIVER, BLACK FINISH, FIXTURE MOUNT OCCUPANCY SENSOR, 20% HIGH/LOW DIMMING	KIM LIGHTING	ISA-WP9SA2-54L-405-3K7-4-CLR-BC-VSF-U NV-BLT-SCH-S	120-277V	
B1	27W	POLE MOUNT ARCHITECTURAL LED, ALUMINUM HOUSING, TYPE II DISTRIBUTION, INTEGRAL 0-10V DIMMABLE DRIVER, 2800 LUMENS, BLACK FINISH, POLE MOUNT OCCUPANCY SENSOR	BEACON	CAP-21-24NB-27-3K-T2-UNV-3RNW-BBT	120-277V	
B2	55W	POLE MOUNT ARCHITECTURAL LED, ALUMINUM HOUSING, TYPE IV DISTRIBUTION, INTEGRAL 0-10V DIMMABLE DRIVER, 5100 LUMENS, BLACK FINISH, POLE MOUNT OCCUPANCY SENSOR	BEACON	CAP-21-24NB-55-3K-T4-UNV-3RNW-BBT	120-277V	
POLE P1		10' TALL 4" DIAMETER ROUND STEEL POLE, HOT DIP GALVANIZED, OPEN TOP, BLACK FINISH	KW INDUSTRIES	RSP10-4-11-KZ21-DM10	--	
POLE P2		10' TALL 4" DIAMETER ROUND STEEL POLE, HOT DIP GALVANIZED, OPEN TOP, BLACK FINISH, BASE COVER  MOUNTING ARM, LOW-COPPER ALUMINUM ALLOY, BLACK FINISH	KW INDUSTRIES  BEACON AA-39-S-4-X-P-BBT	RSP10-4-11-KZ21-DM2180	--	
POLE P3		20' TALL 4"x4" SQUARE STEEL POLE, HOT DIP GALVANIZED, BLACK FINISH	KW INDUSTRIES	SSP20-4-11-KZ21-2	--	

**NOTES**

- PROVIDE FOR RECEPTACLES IN POLES WHERE NOTED ON SITE PLAN.

### ABBREVIATIONS

DIA	DIAMETER
GFI	GROUND FAULT INTERRUPTED
UON	UNLESS OTHERWISE NOTED
WP	WEATHERPROOF
XFMR	TRANSFORMER
OHE	OVERHEAD ELECTRIC
UGE	UNDERGROUND ELECTRIC
GRS	GALVANIZED RIGID STEEL
(E)	EXISTING TO REMAIN
(N)	NEW
TYP	TYPICAL
MIN	MINIMUM
W/	WITH
NO.	NUMBER

### LEGEND

	DATA: PARKING KIOSK
	SECURITY CAMERA
<b>LIGHTING:</b>	
	EXTERIOR POLE MOUNTED LUMINAIRE
<b>POWER:</b>	
	DUPLEX RECEPTACLE, 18" AFG UON.
	HANDHOLE
	TRANSFORMER
	POLE MOUNT TRANSFORMER
	GROUND ROD
	CIRCUIT BREAKER
	SWITCH OR DISCONNECT
	CONTACT

#### REVISIONS

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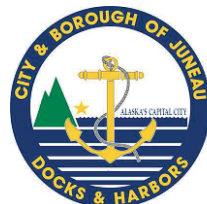
SHEET TITLE:

**SCHEDULE AND SYMBOLS**

**E001**

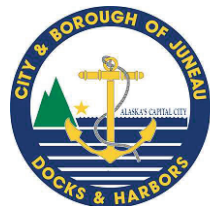
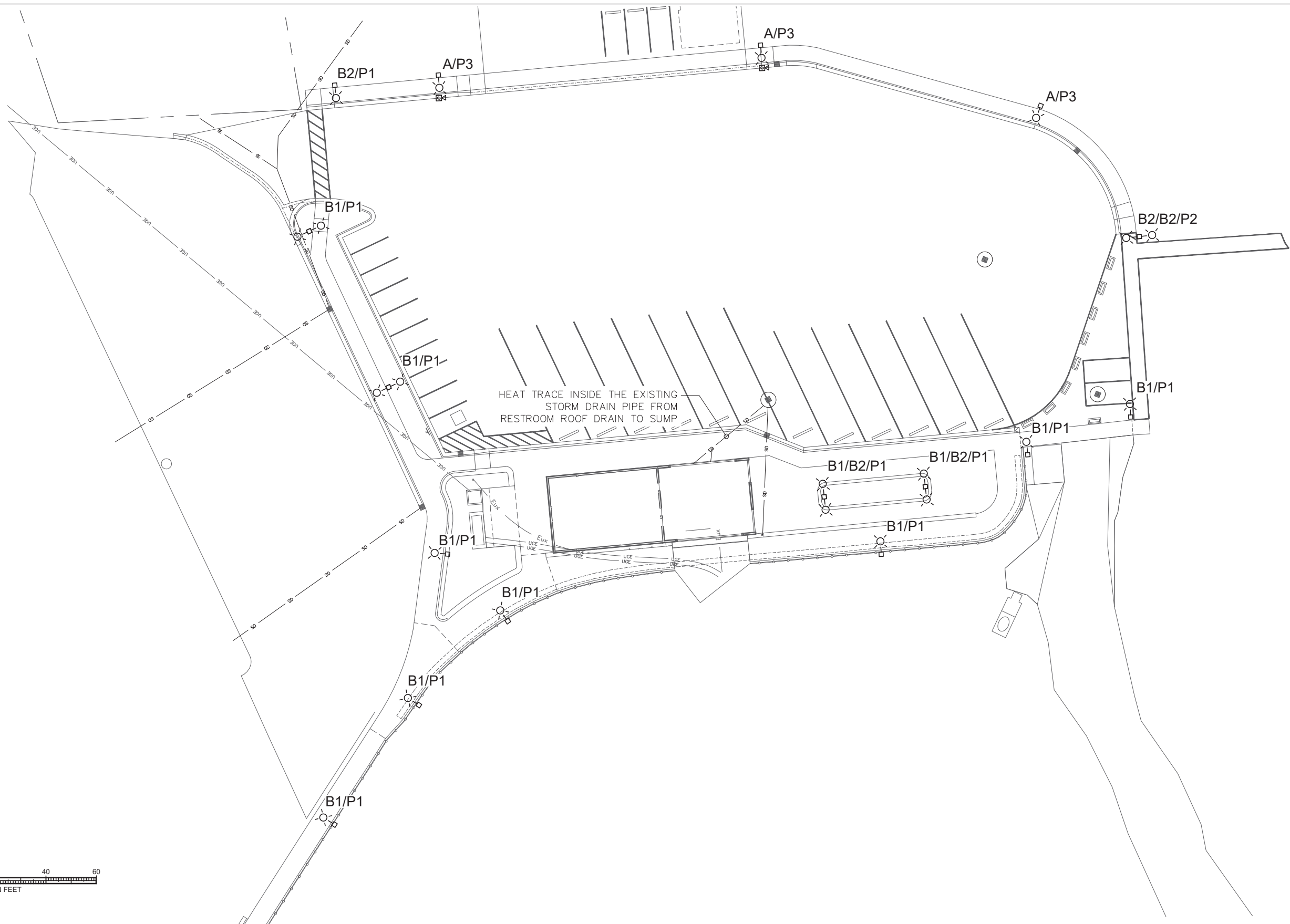
PND PROJECT NO.: 182069

C.A.N. NO.: AECC250



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9109 Mendenhall Mall Rd, Ste 4  
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www.respec.com  
AECC163270

RESPEC PROJECT NO.: 11131.24013




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RESPEC PROJECT NO.: 1131.24013

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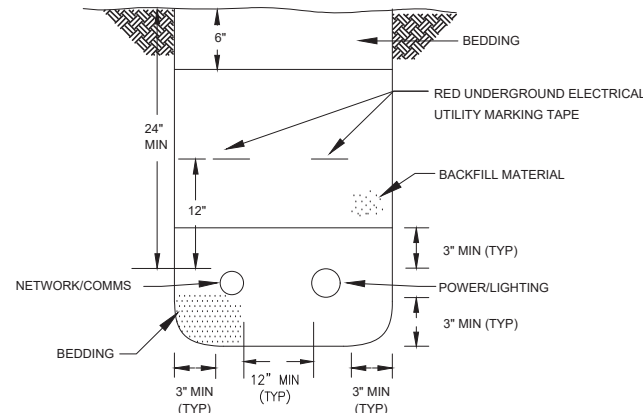
SHEET TITLE:

**ELECTRICAL SITE PLAN**

**ES01**

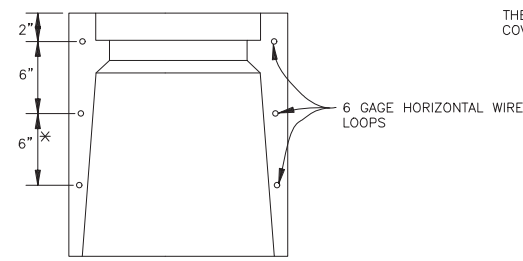
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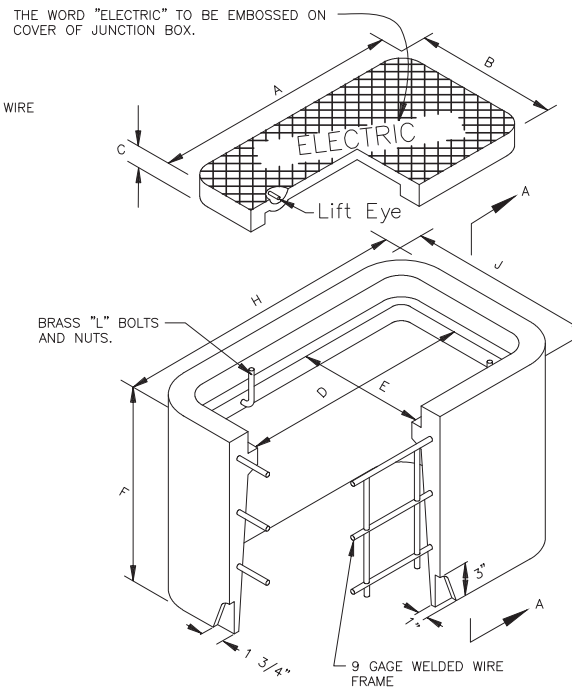
- NOTE:
1. PROVIDE AND COMPACT BEDDING & BACKFILL PER SPECIFICATIONS.

**1** **DETAIL - TRENCH**  
E101 SCALE: NTS

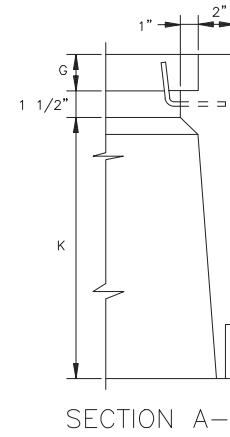


**ALTERNATE REINFORCING**  
\* TYPE I-A ONLY

- GENERAL NOTES:
1. COVERS FOR TYPE IA JUNCTION BOXES SHALL BE CAST IRON.
  2. JUNCTION BOXES LOCATED IN A SIDE-WALK SHALL BE INSTALLED WITH A 1/2" PREFORMED BITUMINOUS JOINT MATERIAL AROUND ITS PERIMETER.
  3. ALL JUNCTION BOX COVERS SHALL BE BONDED TO GROUND WITH COPPER BRAID OF #8 AWG CROSS SECTION. THE LENGTH SHALL BE 3 FEET.
  4. ALL CONDUITS SHALL BE GROUTED IN KNOCKOUT SECTIONS.

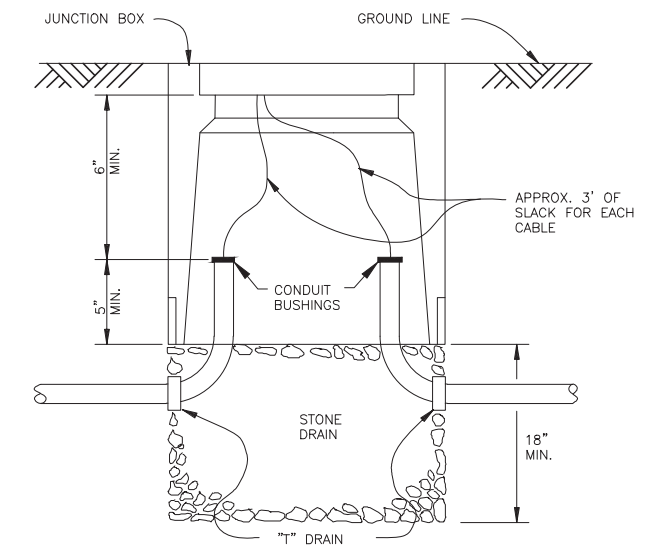


**TYPE I-A JUNCTION BOX**

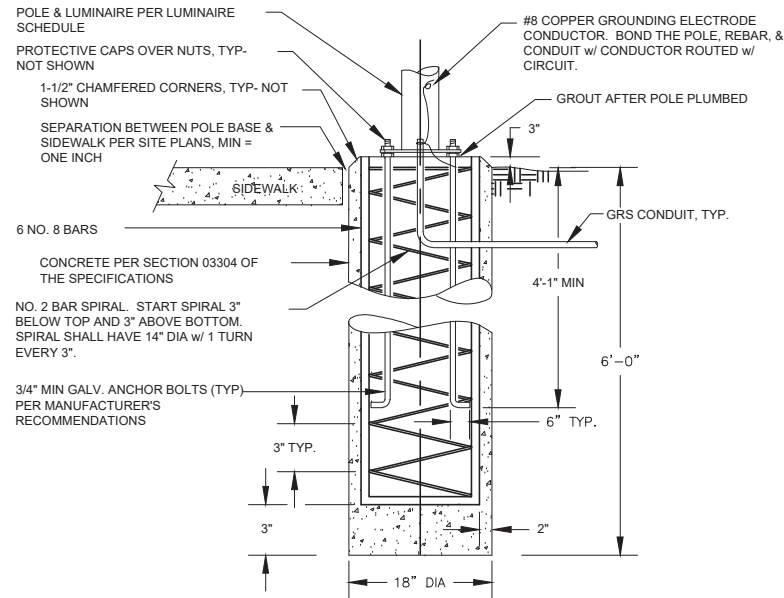


**SECTION A-A**

DIMENSIONS (IN.)	
TYPE I-A	
A	22 3/4
B	13 1/4
C	2
D	21 1/4
E	11 3/4
F	18
G	2
H	27 1/4
J	17 3/4
K	14 1/2

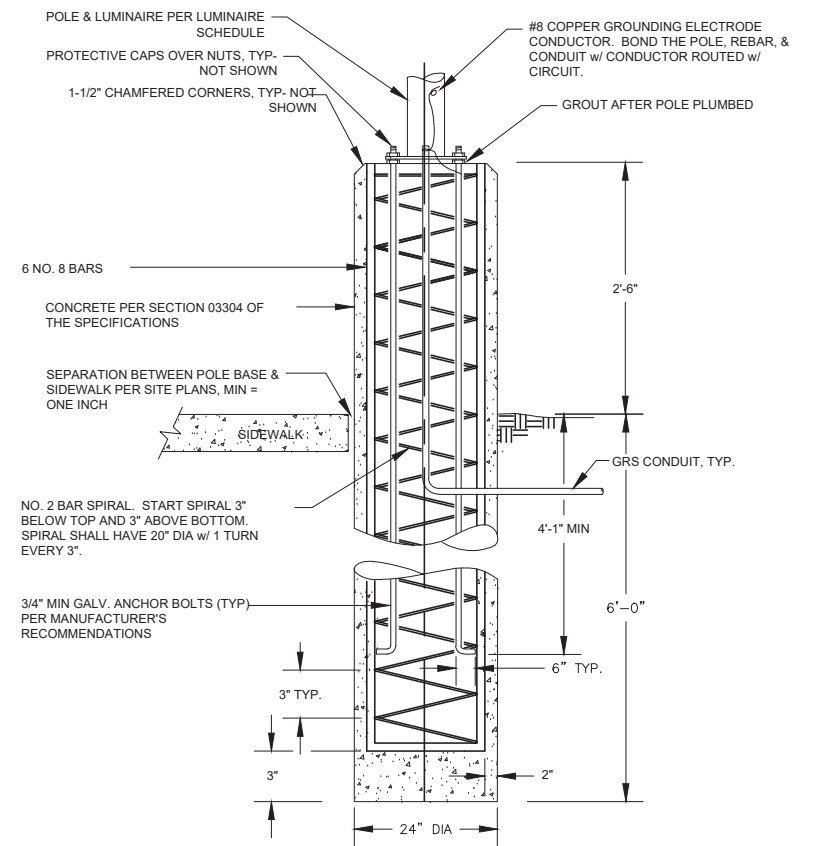


**3** **DETAIL - HANDHOLE**  
E101 SCALE: NTS



- NOTES:
1. BACKFILL w/ N.F.S. SAND & GRAVEL COMPACTED TO 95% MODIFIED PROCTOR DENSITY.
  2. ANCHOR BOLTS TO MEET ATSM-A36 w/ MINIMUM YIELD STRESS OF 36.0 KSI.
  3. POLE B BASE FOUNDATION TO BE UTILIZED FOR LUMINAIRES B1 & B2.

**2** **DETAIL - POLE P1 BASE FOUNDATION**  
E101 SCALE: NTS



- NOTES:
1. BACKFILL w/ N.F.S. SAND & GRAVEL COMPACTED TO 95% MODIFIED PROCTOR DENSITY.
  2. ANCHOR BOLTS TO MEET ATSM-A36 w/ MINIMUM YIELD STRESS OF 36.0 KSI.
  3. POLE A BASE FOUNDATION TO BE UTILIZED FOR LUMINAIRES A1 & A2.

**4** **DETAIL - POLE P2 BASE FOUNDATION**  
E101 SCALE: NTS



**RESPEC**  
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9109 Mendenhall Mall Rd, Ste 4  
Juneau, AK 99801  
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AECC163270  
RESPEC PROJECT NO.: 1131.24013

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SHEET TITLE:



**DETAILS**

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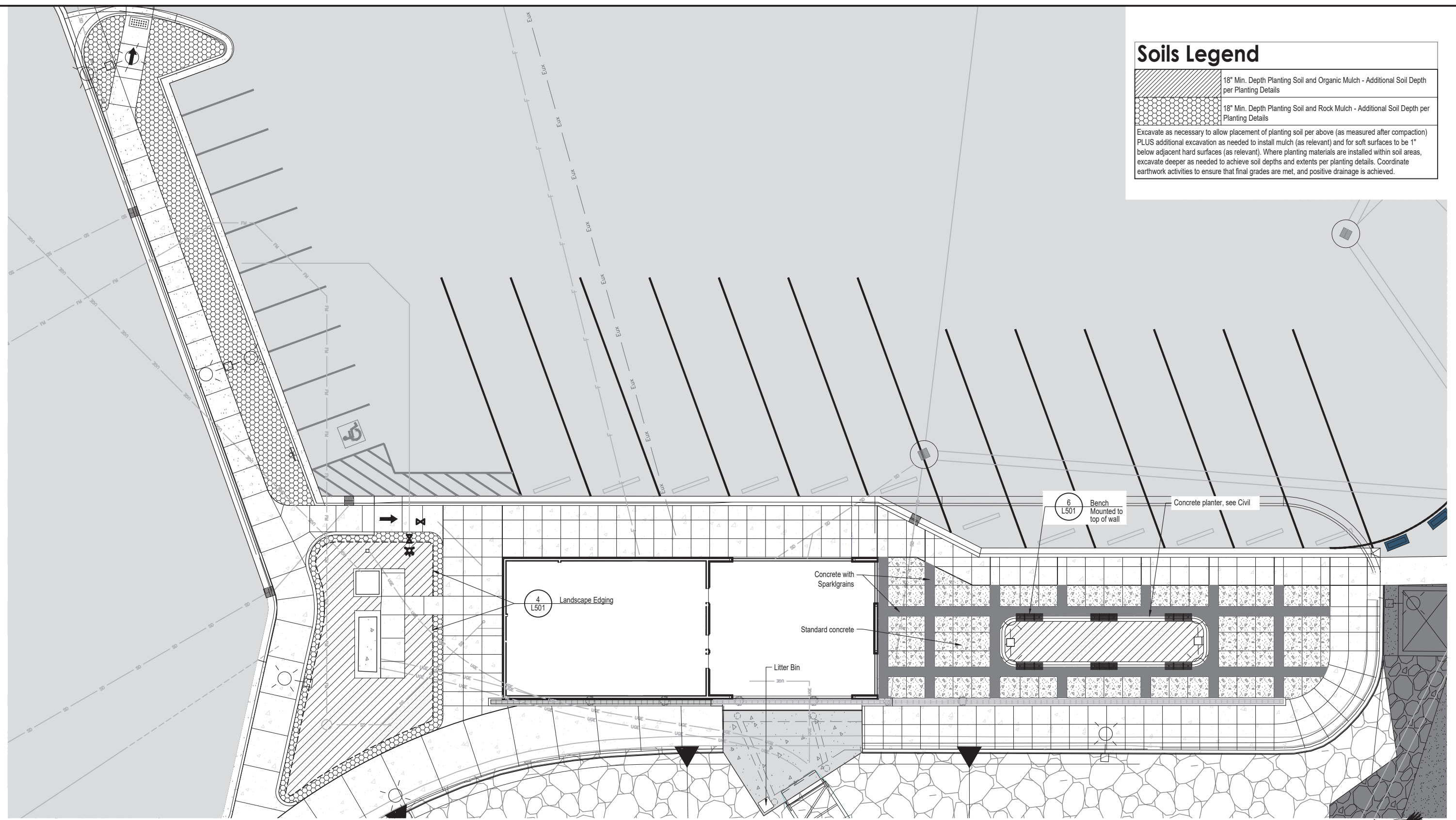
C.A.N. NO.: AECC250

**E101**

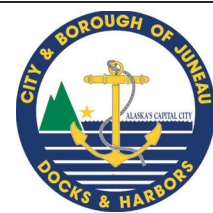
# Soils Legend

-  18" Min. Depth Planting Soil and Organic Mulch - Additional Soil Depth per Planting Details
-  18" Min. Depth Planting Soil and Rock Mulch - Additional Soil Depth per Planting Details

Excavate as necessary to allow placement of planting soil per above (as measured after compaction) PLUS additional excavation as needed to install mulch (as relevant) and for soft surfaces to be 1" below adjacent hard surfaces (as relevant). Where planting materials are installed within soil areas, excavate deeper as needed to achieve soil depths and extents per planting details. Coordinate earthwork activities to ensure that final grades are met, and positive drainage is achieved.



**1** Layout and Soils Plan  
L101 SCALE: 1" = 10'-0" @22x34



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SCALE: VARIES PER SHEET

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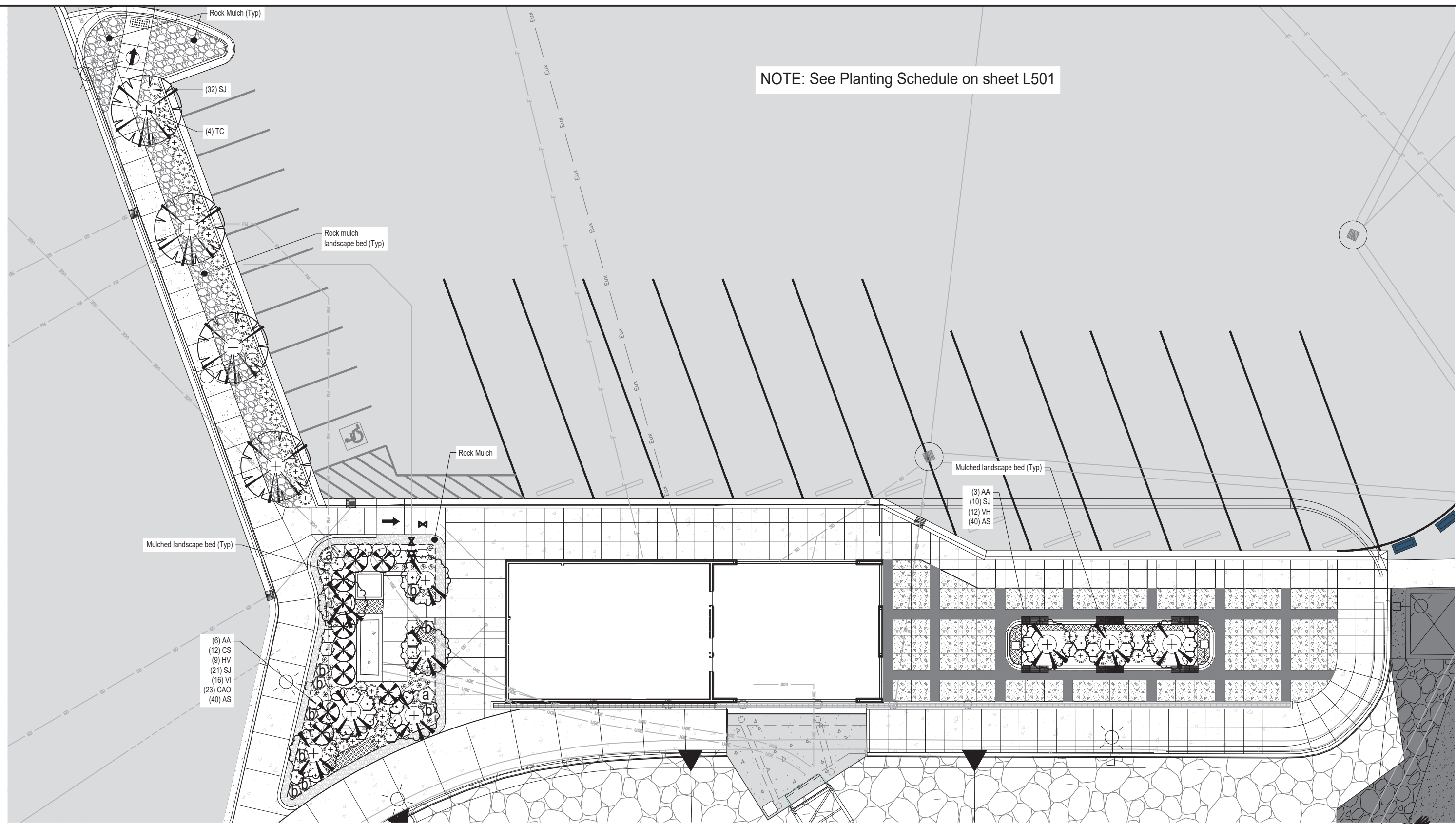
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CBJ CONTRACT NO. DHxx\_xxxx

SHEET TITLE:  
**LAYOUT AND SOILS PLAN**

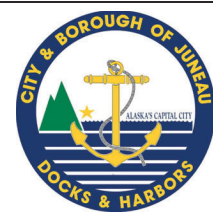
**L101**

PND PROJECT NO.: 182069 C.A.N. NO.: AECC250

NOTE: See Planting Schedule on sheet L501



1 Landscape Plan  
L102 SCALE: 1" = 10'-0" @22x34



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SCALE: VARIES PER SHEET

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**CBJ CONTRACT NO. DHxx\_xxxx**

SHEET TITLE: **LANDSCAPE PLAN**

PND PROJECT NO.: 182069 C.A.N. NO.: AECC250

**L102**



# Planting Schedule

## Deciduous Trees- See Detail: 1 L501 Deciduous Tree Planting - Staked

Qty.	Symbol	Label	Latin Name	Common Name	Size	Furnished	Notes
9	AA	Amelanchier grandiflora 'Autumn Brilliance'	Autumn Brilliance Serviceberry	8' HT	B&B	Multi-stemmed	
4	TC	Tilia cordata	Littleleaf linden	2-1/2" CAL	B&B	Single stem	

## Shrubs - See Detail: 2 L501 Shrub Planting

Qty.	Symbol	Label	Latin Name	Common Name	Size	Furnished	Notes
12	CS	Cornus sericea	Red-twig Dogwood	#5	CG		
10	HV	Hamamelis vernalis	Vernal witch hazel	#5	CG		
63	SJ	Spiraea japonica 'Shirobana'	Shirobana spirea	#5	CG		
28	VI	Viburnum dilittatum	Linden viburnum	#5	CG		

## Perennials- See Detail: 3 L501 Perennial Planting

Qty.	Symbol	Label	Latin Name	Common Name	Size	Furnished	Notes
80	AS	Astilbe x arendsii	Astilbe spp.	#1	CG	18" OC Triang. spacing	

## Grasses- See Detail: 3 L501 Perennial Planting

Qty.	Symbol	Label	Latin Name	Common Name	Size	Furnished	Notes
23	CAO	Calamagrostis x acutiflora 'Overdam'	Variiegated reed grass	#2	CG	18" OC Triang. spacing	

## Miscellaneous



Rock Mulch



5 L501 Landscape Boulders

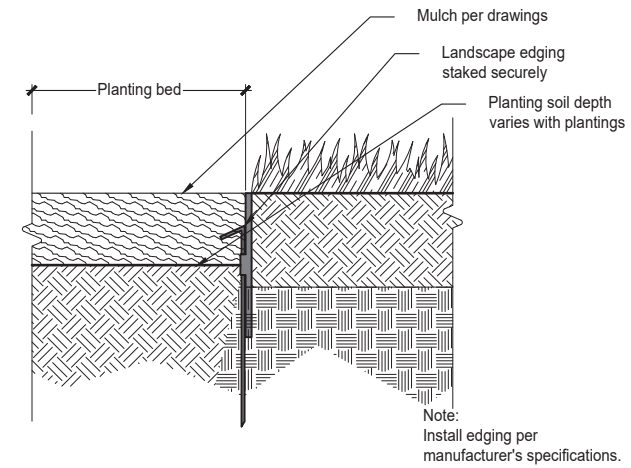


4 L501 Landscape Edging

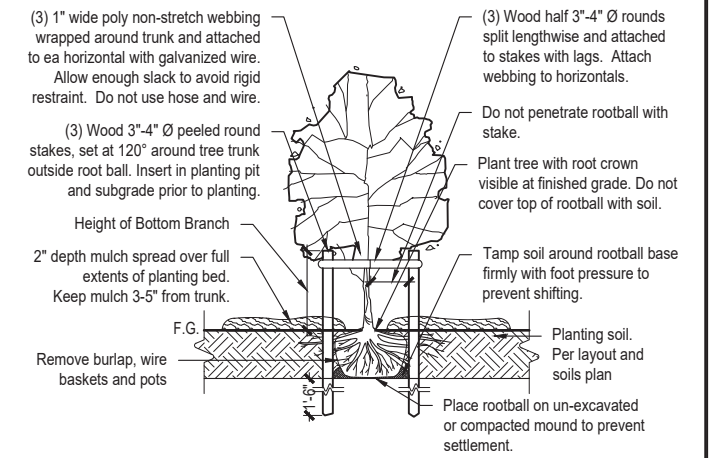
## General Notes:

- All disturbed areas not indicated on plans are to receive 4" depth planting soil and seed.

## 7 L501 Planting Schedule SCALE: NTS @22x34



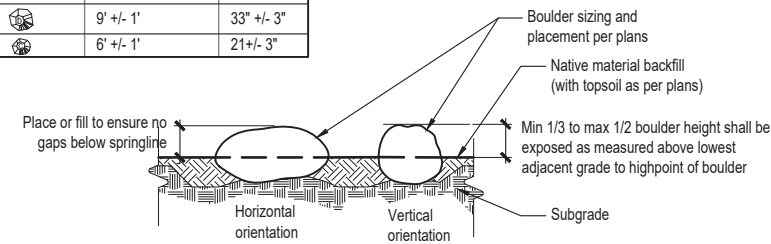
## 4 L501 Landscape Edging SCALE: NTS @22x34



## 1 L501 Deciduous Tree Planting - Staked SCALE: NTS @22x34

## Landscape Boulder Sizing Schedule

Boulder Symbol	Circumference	Height
	12' +/- 1'	45" +/- 3"
	9' +/- 1'	33" +/- 3"
	6' +/- 1'	21 +/- 3"

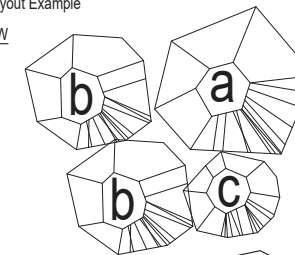


- Notes:
- Location and orientation of placed rocks shall be field approved by owner's representative.
  - Boulders should be no higher than 30" above any adjacent grade.
  - Circumference refers to the largest circumference of the boulder.
  - Height is measured perpendicular to axis used for determining circumference.

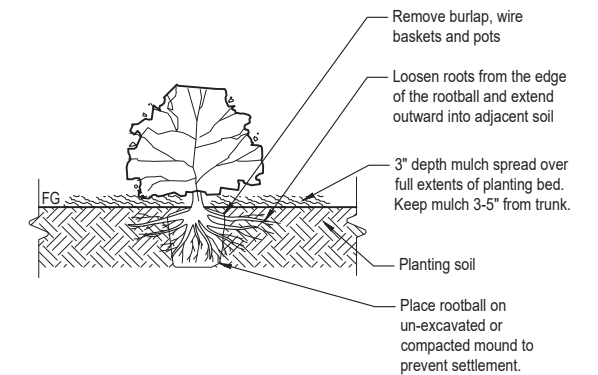
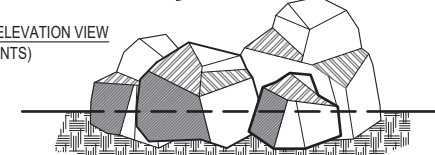
## 5 L501 Landscape Boulders SCALE: NTS @22x34

### Boulder Layout Example

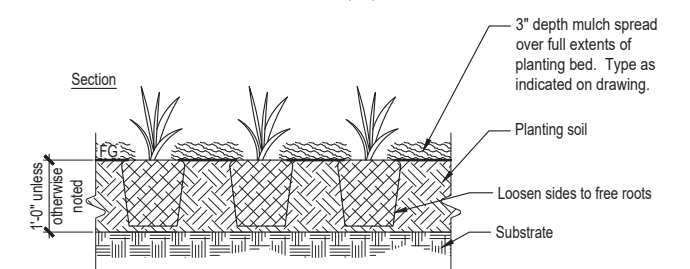
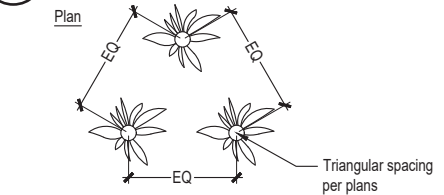
#### PLAN VIEW (NTS)



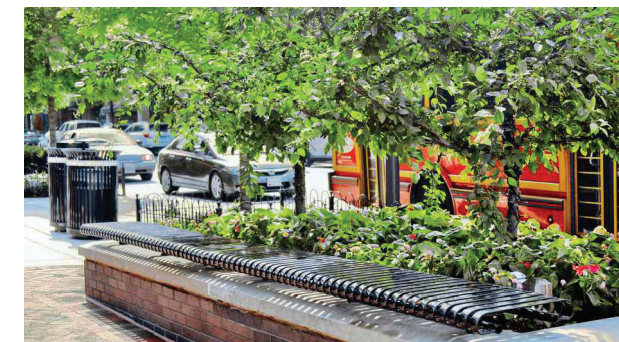
#### ELEVATION VIEW (NTS)



## 2 L501 Shrub Planting SCALE: NTS @22x34



## 3 L501 Perennial Planting SCALE: NTS @22x34



Manufacturer: Victor Stanley  
Products: FRB-6 Straight Bench, backless with intermediate armrests  
Finish: Powder coat - Teal  
Attachment: Wall-Mount

## 6 L501 Bench SCALE: NTS @22x34

REVISIONS					
REV.	DATE	DESCRIPTION	DWN.	CKD.	APP.



Anchorage - 907.222.2859  
2506-B Fairbanks St. 99503  
Juneau - 907.988.9000  
119 Seward St. 99801  
AECC #1195

DESIGN: BL CHECKED: CM SCALE: VARIES PER SHEET  
DRAWN: BL APPROVED: CM

65%  
DESIGN  
REVIEW

DATE: 11/29/2024

CITY & BOROUGH OF JUNEAU, ALASKA  
STATTER HARBOR IMPROVEMENTS PH III(D)  
CBJ CONTRACT NO. DHxx\_xxxx

SHEET TITLE: DETAILS

L501

PND PROJECT NO.: 182069

C.A.N. NO.: AECC250

