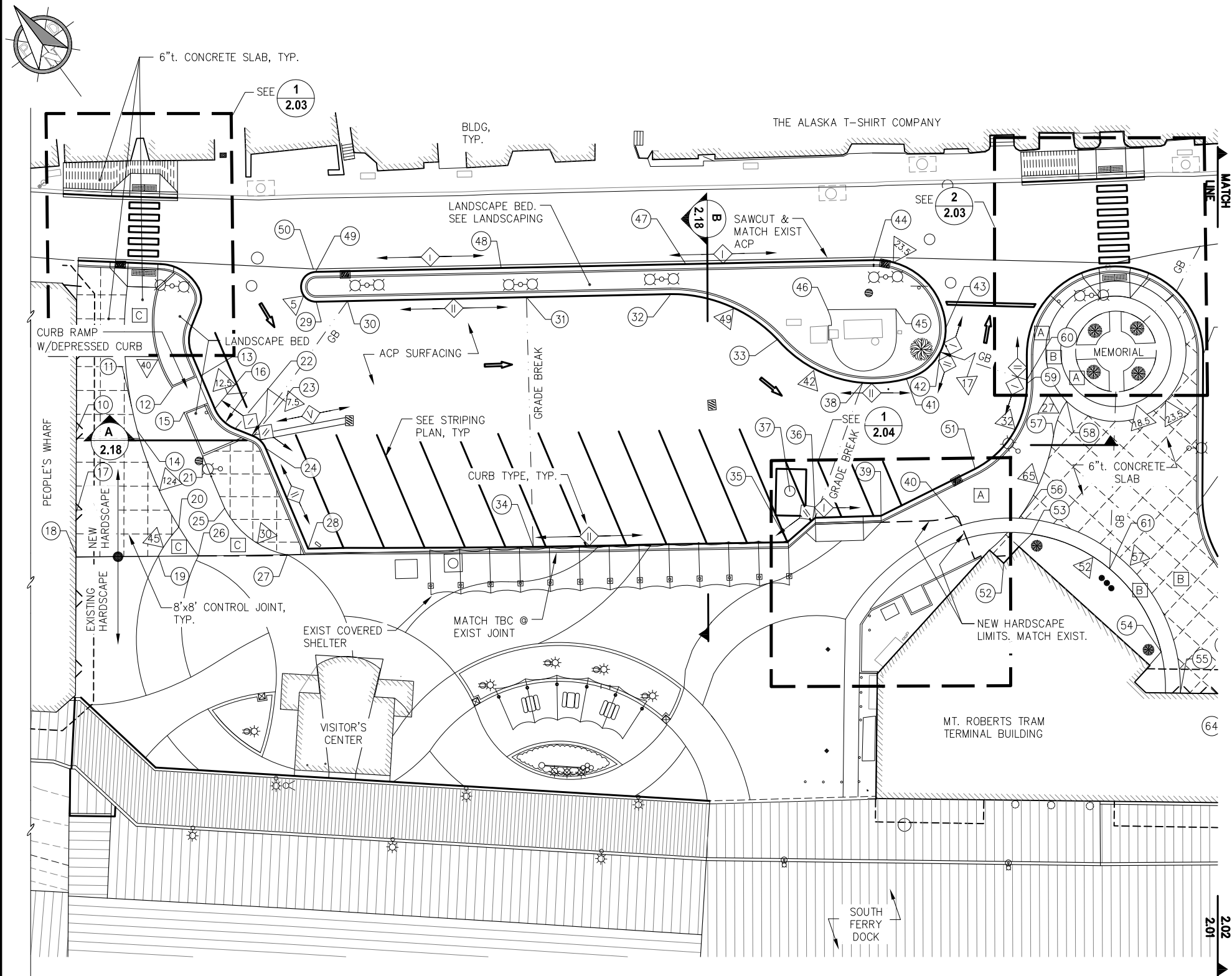




- NOTE:
1. SEE LANDSCAPE SHEETS FOR ALL LANDSCAPE DETAILS.
 2. SEE PLAN DETAILS FOR LAYOUT POINTS NOT SHOWN.
 3. SEE ELECTRICAL SHEETS FOR ALL ELECTRICAL DETAILS.
 4. CONCRETE SHALL BE STANDARD COLOR UNLESS OTHERWISE NOTED.
 5. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO DOT&PF ROW & OBTAIN APPROVAL PRIOR TO ANY CONSTRUCTION WITHIN THE DOT&PF ROW.

PARTIAL SITE PLAN

COLOR CONCRETE SCHEDULE	
MARK	COLOR
A	DARK GRAY SPARKLECRETE #860
B	STANDARD CONCRETE
C	TAUPE 677

LAYOUT POINT TABLE

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
10	478408.34	532234.27	27.53	BLDG, MATCH
11	478401.20	532253.17	27.10	EC, JOINT
12	478395.74	532267.08	26.80	EC
13	478391.77	532276.68	26.21	EP
14	478394.01	532248.64	27.05	EC, JOINT
15	478387.21	532264.04	26.60	EC
16	478380.71	532272.11	26.00	PC, EP
17	478389.36	532214.84	27.46	BLDG, MATCH
18	478379.14	532204.56	27.42	BLDG, MATCH
19	478359.55	532223.72	27.16	PC, MATCH
20	478361.44	532235.44	26.95	PC, JOINT
21	478372.45	532257.94	26.50	COR, JOINT
22	478371.14	532272.12	25.80	PT, EP
23	478365.08	532274.63	25.70	GB, PC, EP
24	478359.34	532274.64	25.80	PT, EP
25	478354.94	532250.70	26.80	PC, JOINT
26	478350.08	532233.21	27.00	PC, MATCH
27	478329.14	532254.31	27.03	PC, MATCH
28	478325.60	532260.69	26.65	COR, EP
29	478381.65	532321.43	26.75	PT, EP
30	478374.37	532328.92	26.90	GB, EP
31	478332.64	532371.88	27.20	GB, EP
32	478298.94	532406.58	27.25	PC, EP
33	478262.88	532420.81	27.65	PRC, EP
34	478272.37	532313.95	27.45	GB, EP
35	478212.90	532374.78	27.90	COR, EP
36	478211.97	532387.15	27.93	GB, COR, EP
37	478224.26	532387.53	27.60	ELEC VAULT
38	478232.39	532430.46	28.20	GB, EP
39	478196.79	532403.06	27.65	COR, EP
40	478175.39	532419.70	27.78	PC, MATCH
41	478222.95	532441.73	27.85	PCC, EP
42	478221.11	532456.02	27.70	GB, EP
43	478225.43	532462.99	27.32	PCC, EP
44	478258.64	532462.23	26.88	PT, EP
45	478241.83	532455.84	27.30	COR, EC
46	478257.85	532439.67	27.45	COR, EC
47	478302.43	532417.22	27.10	EP
48	478345.51	532372.92	27.00	EP

- NOTE:
1. ELEV. ON MATCH POINTS GIVEN FOR REFERENCE PURPOSES ONLY. MATCHING EXISTING SURFACES AT ALL MATCH POINTS SHALL TAKE PRECEDENCE.
 2. CONTRACTOR SHALL VERIFY AND RECORD ALL MATCH POINTS PRIOR TO DEMO ACTIVITIES AND NOTIFY ENGINEER OF DISCREPANCIES.
 3. ALL POINTS GIVEN AT ACP PROJECT LIMITS ARE INITIAL SAWCUT POINTS. CUT BACK ACP MIN 1' PRIOR TO PLACEMENT OF NEW ACP.

LAYOUT POINT TABLE

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
49	478388.82	532328.40	26.76	PC, EP
50	478390.05	532328.55	26.78	EP, MATCH
51	478185.38	532436.37	27.00	PC, EP
52	478156.42	532420.60	28.02	BLDG, MATCH
53	478156.57	532434.05	27.83	COR, EC
54	478098.02	532436.43	27.88	COR, EC
55	478083.93	532431.31	27.88	PC, EC, BLDG, MATCH
56	478163.32	532435.00	27.76	POC, JOINT
57	478174.47	532462.73	28.02	PRC, JOINT
58	478179.42	532473.98	28.30	PC, JOINT
59	478193.05	532468.84	27.75	PRC, EP
60	478193.93	532469.73	27.75	GB, EP
61	478129.84	532444.19	28.09	GB, EC



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APPROVED: CRS

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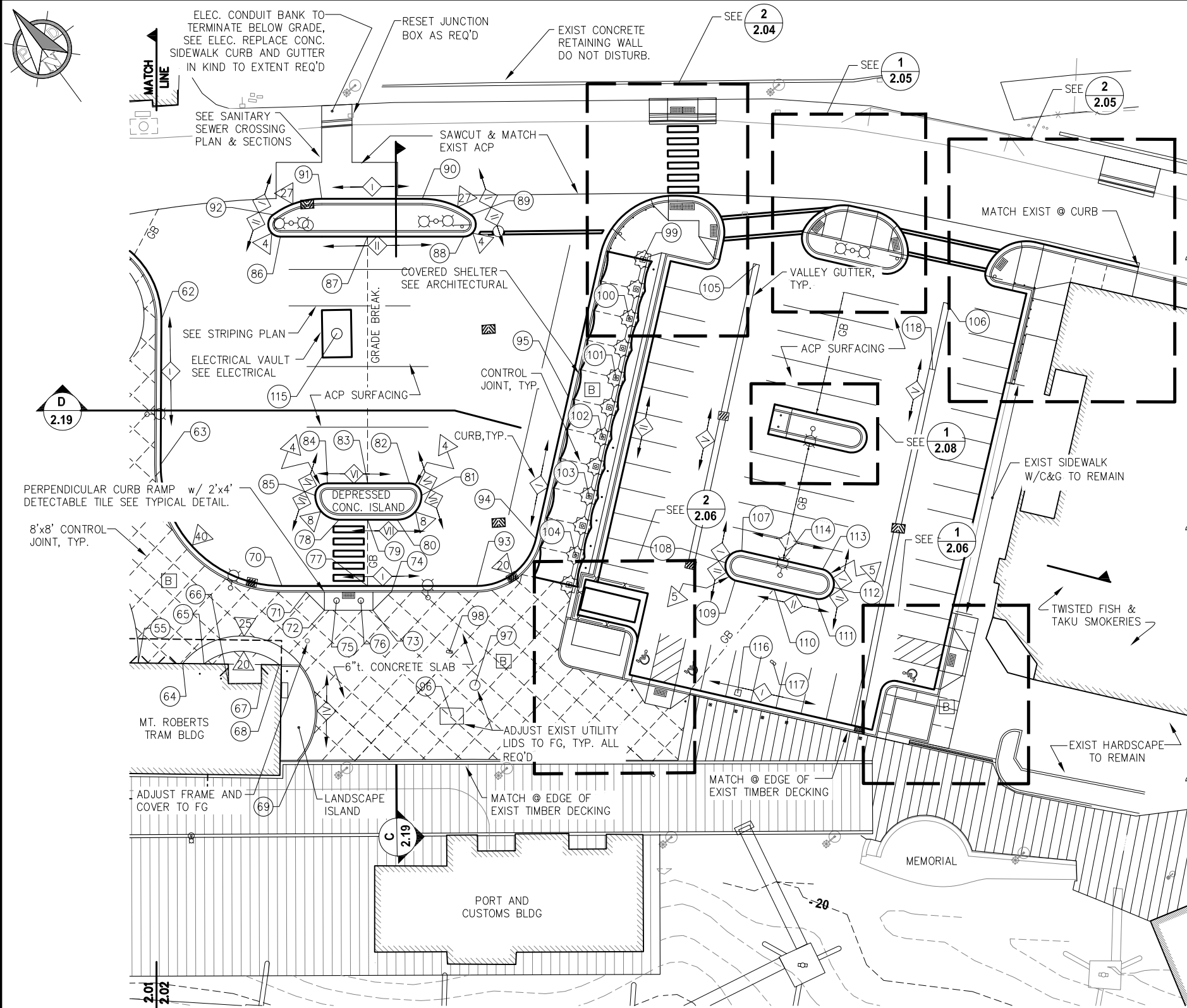


CRUISE SHIP TERMINAL STAGING AREA IMPROVEMENTS PHASE II
CONTRACT NO. DH13-017

SHEET TITLE: PARTIAL SITE PLAN

PND PROJECT NO.: 102081

2.01
SHEET 10 OF 52



PARTIAL SITE PLAN

- NOTE:
- 1. SEE LANDSCAPE SHEETS FOR ALL LANDSCAPE DETAILS.
 - 2. SEE PLAN DETAILS FOR LAYOUT POINTS NOT SHOWN.
 - 3. SEE ELECTRICAL SHEETS FOR ALL ELECTRICAL DETAILS.
 - 4. CONCRETE SHALL BE STANDARD COLOR UNLESS OTHERWISE NOTED.
 - 5. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO DOT&PF ROW TO OBTAIN APPROVAL PRIOR TO ANY CONSTRUCTION WITHIN THE DOT&PF ROW.

COLOR CONCRETE SCHEDULE

MARK	COLOR
A	DARK GRAY SPARKLECRETE #860
B	STANDARD CONCRETE

LAYOUT POINT TABLE

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
62	478157.78	532517.08	27.65	PT, EP
63	478124.41	532482.88	27.00	PC, EP
64	478073.22	532441.25	27.80	PC, JOINT
65	478068.14	532446.14	27.76	PC, JOINT
66	478057.82	532447.15	27.82	BLDG
67	478050.09	532454.84	27.80	BLDG
68	478050.22	532463.35	27.74	PC, JOINT
69	478023.38	532445.57	28.11	PC, JOINT
70	478067.85	532482.47	26.80	PT, EP
71	478060.75	532486.65	27.15	COR, RAMP
72	478052.26	532486.59	27.30	COR, RAMP
73	478040.87	532497.82	27.30	COR, RAMP
74	478040.73	532506.36	27.20	COR, RAMP
75	478051.64	532491.66	27.04	BOL
76	478045.94	532497.27	27.04	BOL
77	478047.76	532502.27	26.80	GB, EP
78	478069.78	532511.07	27.15	PT, EP
79	478063.07	532517.81	27.15	GB, EP
80	478056.11	532524.67	27.15	PC, EP
81	478056.03	532535.98	27.21	PCC, EP
82	478061.69	532536.02	27.25	PT, EP
83	478071.69	532526.57	27.40	GB, EP
84	478080.92	532517.07	27.25	PC, EP
85	478080.96	532511.41	27.13	PCC, EP
86	478149.06	532564.10	28.00	PT, EP
87	478128.51	532584.18	28.53	GB, EP
88	478106.02	532606.52	28.45	PC, EP
89	478109.40	532613.33	28.54	PCC, EP
90	478124.48	532605.84	28.62	PT, EP
91	478148.10	532582.56	28.31	PC, EP
92	478155.81	532567.58	28.09	PCC, EP
93	478022.12	532527.54	26.50	PC, EP
94	478019.16	532552.32	26.30	PT, EP
95	478044.46	532593.13	27.20	EP
96	477998.04	532491.15	27.86	RIM, VAULT
97	477999.57	532503.81	27.65	RIM, SSMH
98	478013.31	532505.74	27.50	RIM, JBOX
99	478058.64	532642.58	29.36	FG, COLUMN

- NOTE:
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 - 3. ALL POINTS GIVEN AT ACP PROJECT LIMITS ARE INITIAL SAWCUT POINTS. CUT BACK ACP MIN 1' PRIOR TO PLACEMENT OF NEW ACP.

LAYOUT POINT TABLE

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
100	478048.11	532625.59	28.81	FG, COLUMN
101	478037.58	532608.59	28.25	FG, COLUMN
102	478027.04	532591.60	27.74	FG, COLUMN
103	478016.51	532574.60	27.31	FG, COLUMN
104	478005.98	532557.61	27.07	FG, COLUMN
105	478030.87	532667.76	28.70	CL VG
106	477977.25	532702.67	29.00	CL VG
107	477968.01	532597.08	26.80	PC, EP
108	477969.02	532590.57	26.70	POC, EP
109	477962.74	532588.58	26.50	PT, EP
110	477951.50	532595.54	26.80	GB, EP
111	477939.54	532602.96	26.60	PC, EP
112	477938.05	532609.76	26.80	POC, EP
113	477944.81	532611.46	26.91	PT, EP
114	477956.17	532604.42	27.11	GB, EP
115	478113.36	532554.40	27.95	RIM, VAULT
116	477936.11	532562.80	26.83	RIM, JBOX
117	477934.83	532578.07	26.67	RIM, JBOX
118	477965.23	532683.84	28.20	GB, VG



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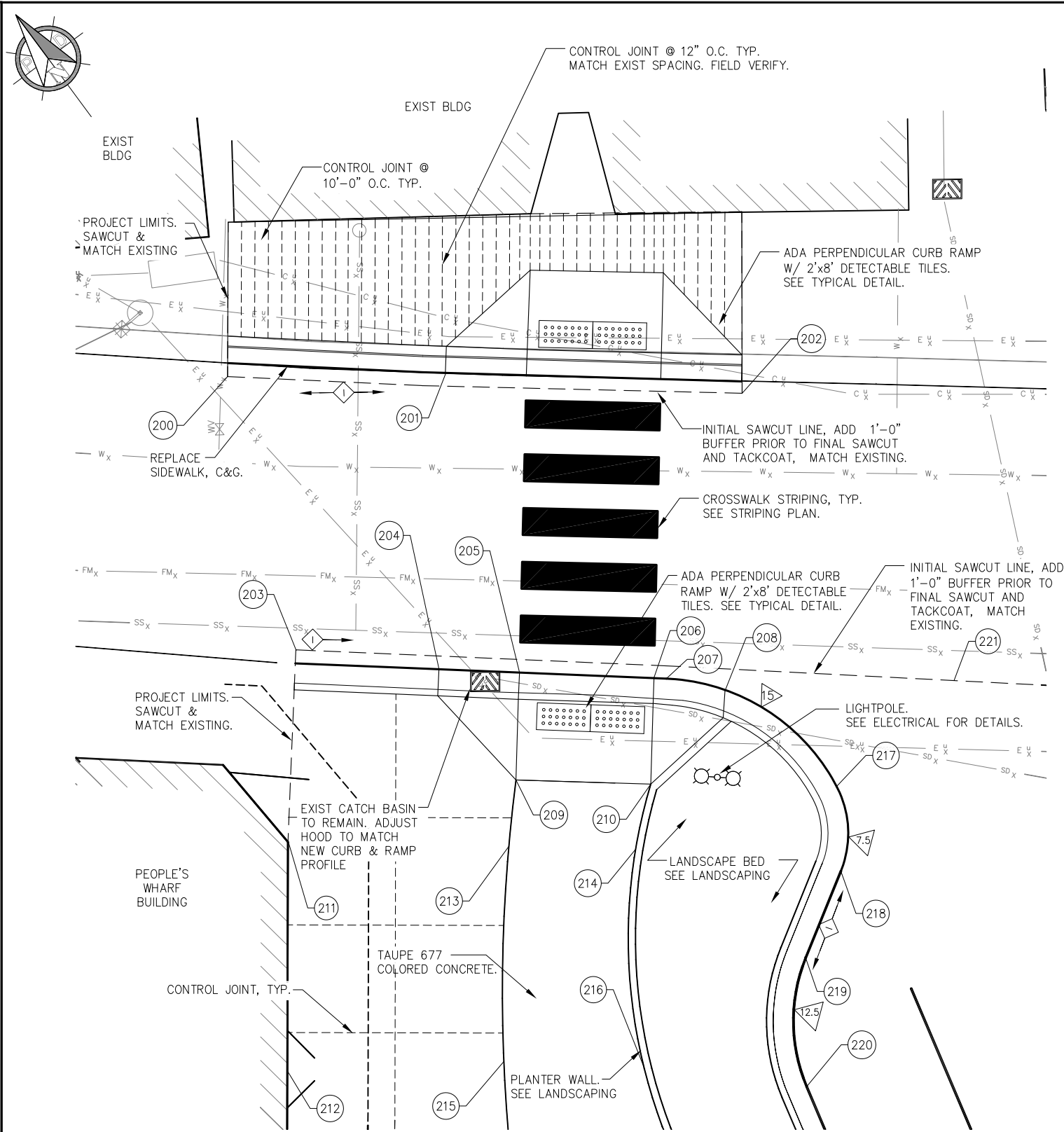


CRUISE SHIP TERMINAL STAGING AREA
IMPROVEMENTS PHASE II
CONTRACT NO. DH13-017

SHEET TITLE:
PARTIAL SITE PLAN

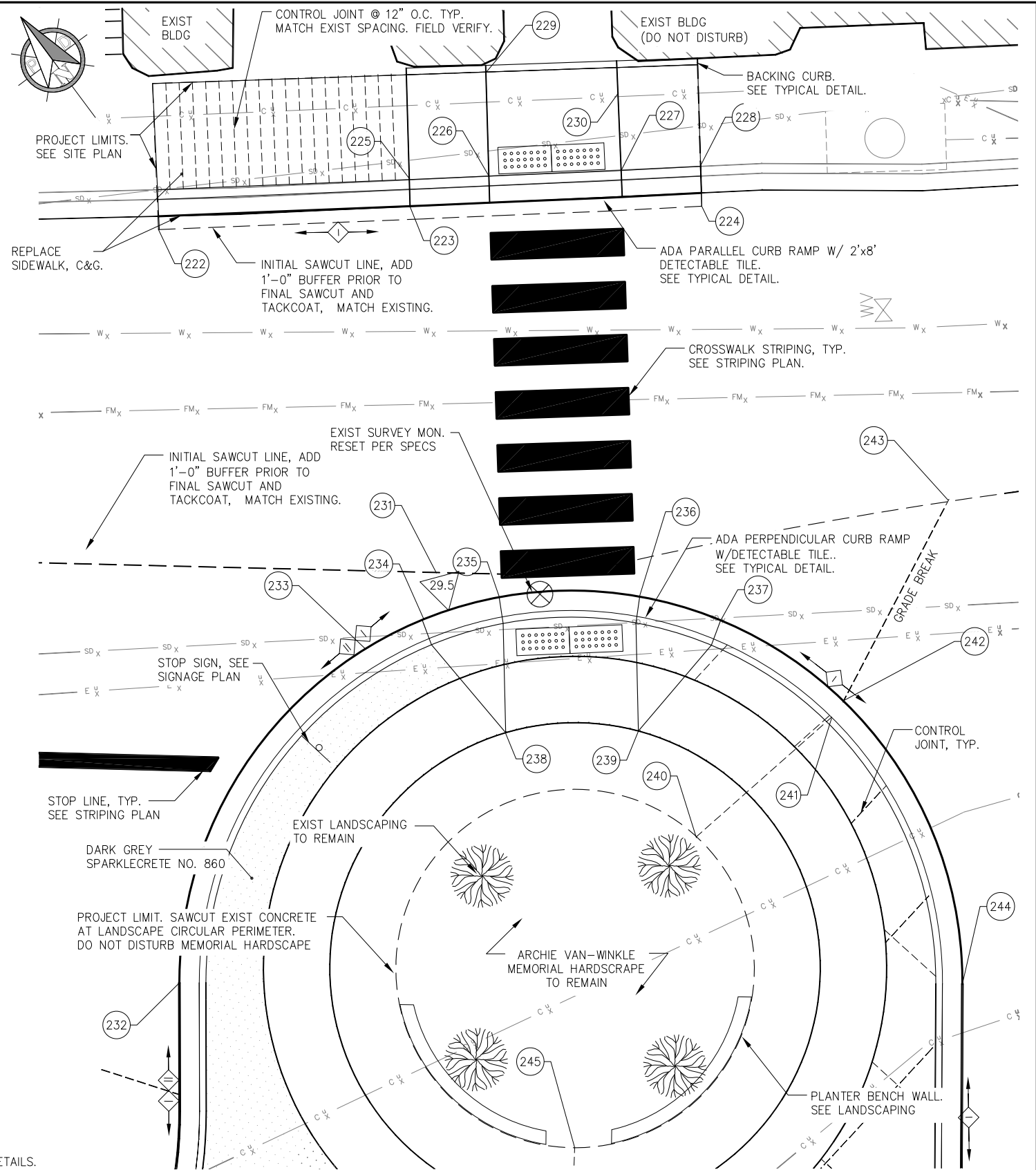
PND PROJECT NO.: 102081

2.02
SHEET
11 OF 52



1
2.01
PEOPLE'S WHARF CROSSWALK
PLAN DETAIL

- NOTE:**
1. SEE LANDSCAPE SHEETS FOR ALL LANDSCAPE DETAILS.
 2. SEE POINT LAYOUT TABLE SHEETS FOR ALL POINT VALUES SHOWN HERE.
 3. SEE ELECTRICAL SHEETS FOR ALL ELECTRICAL DETAILS.
 4. CONCRETE SHALL BE STANDARD COLOR UNLESS OTHERWISE NOTED.



2
2.01
MEMORIAL CROSSWALK
PLAN DETAIL



REVISIONS				
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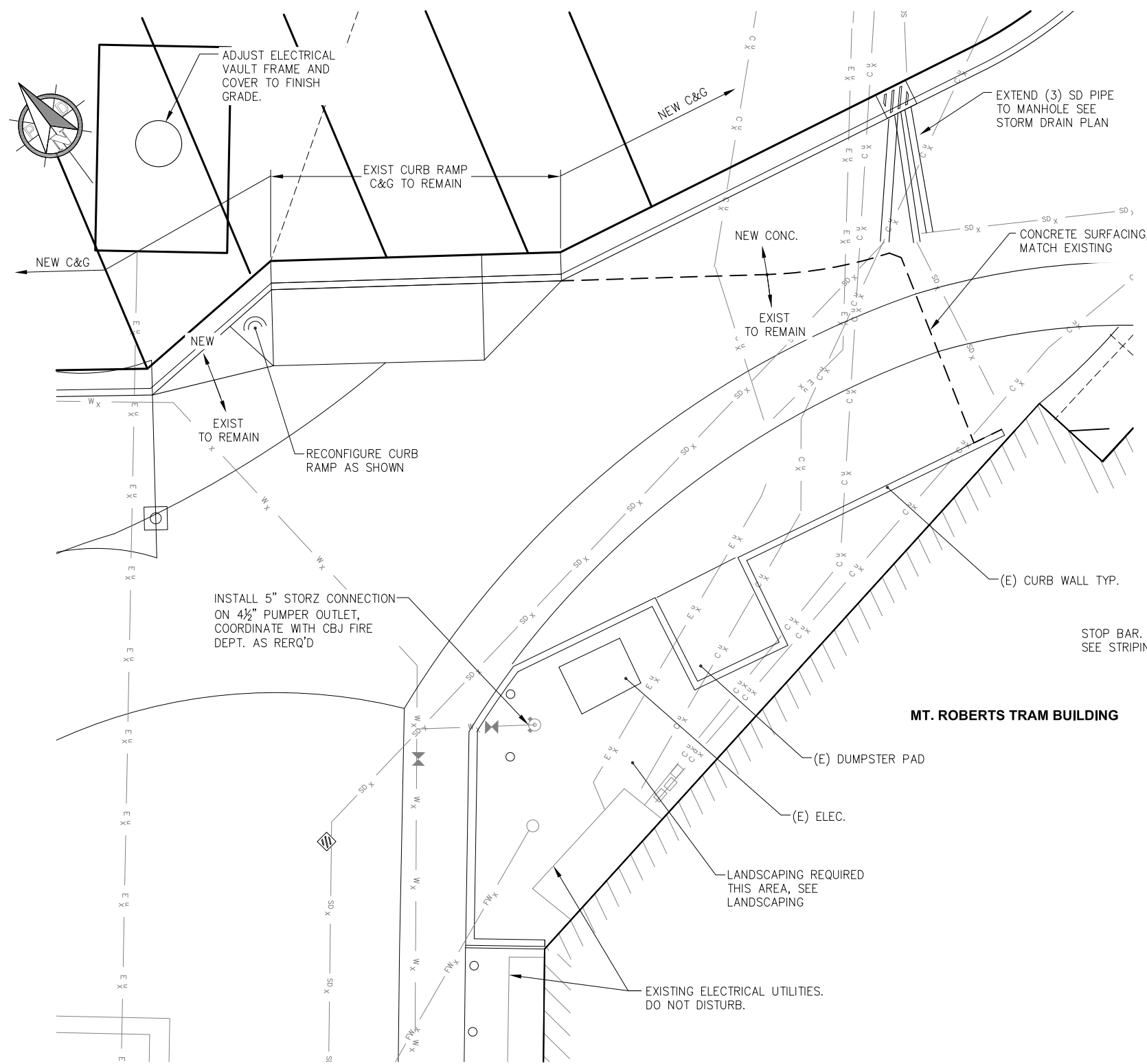
CRUISE SHIP TERMINAL STAGING AREA IMPROVEMENTS PHASE II
CONTRACT NO. DH13-017

SHEET TITLE:
ENLARGED PLAN DETAILS

PND PROJECT NO.: 102081

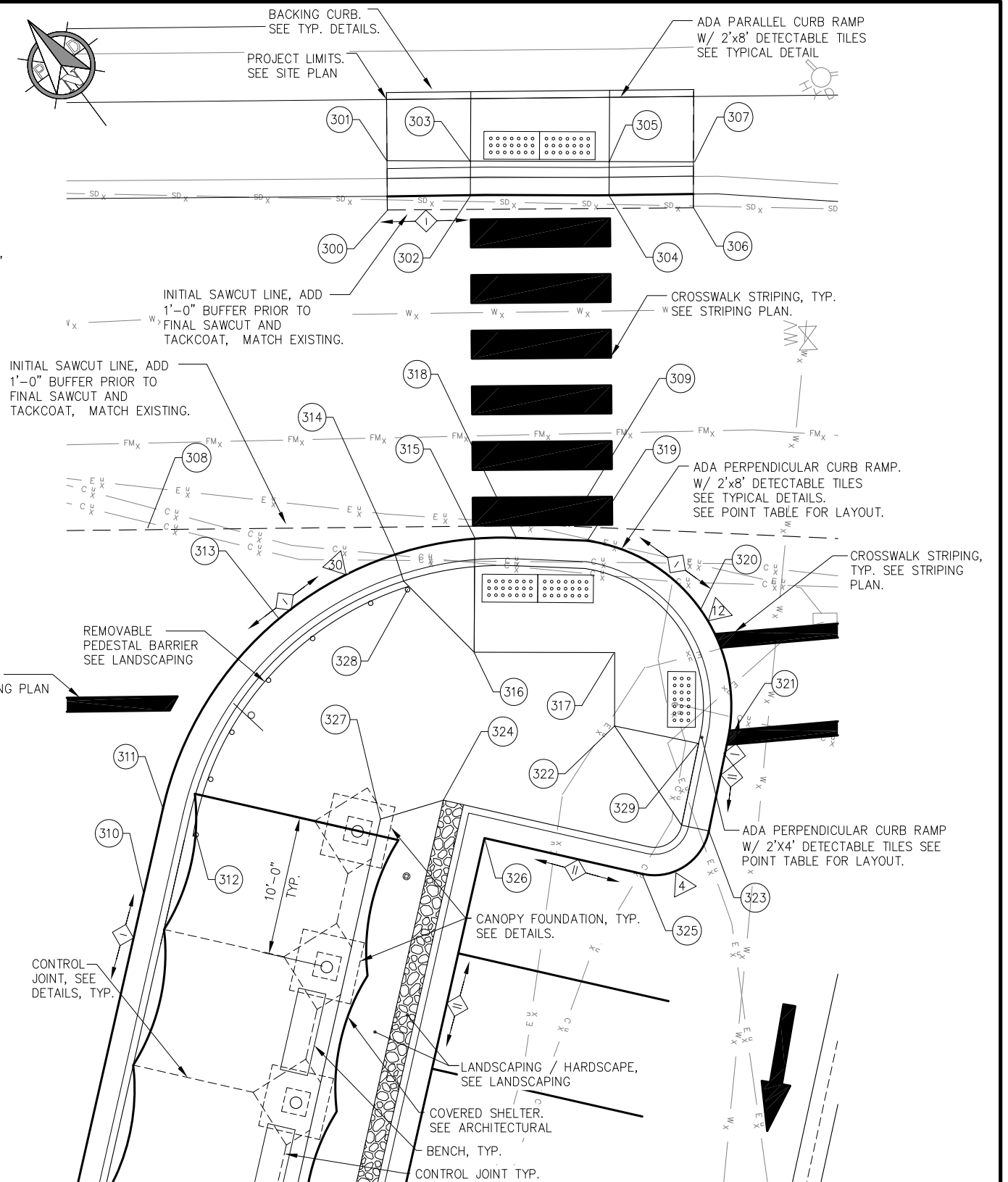
DATE: 7/8/13

2.03
SHEET
12 OF 52



1
2.01 **EMERGENCY VEHICLE ACCESS**
PLAN DETAIL

- NOTE:**
1. SEE LANDSCAPE SHEETS FOR ALL LANDSCAPE DETAILS.
 2. SEE POINT LAYOUT TABLE SHEETS FOR ALL POINT VALUES SHOWN HERE.
 3. SEE ELECTRICAL SHEETS FOR ALL ELECTRICAL DETAILS.



2
2.02 **COVERED SHELTER CROSSWALK**
PLAN DETAIL



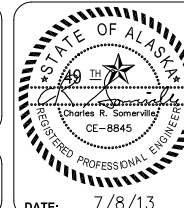
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REV.	DATE	DESCRIPTION	DWN.	CKD.	APP.

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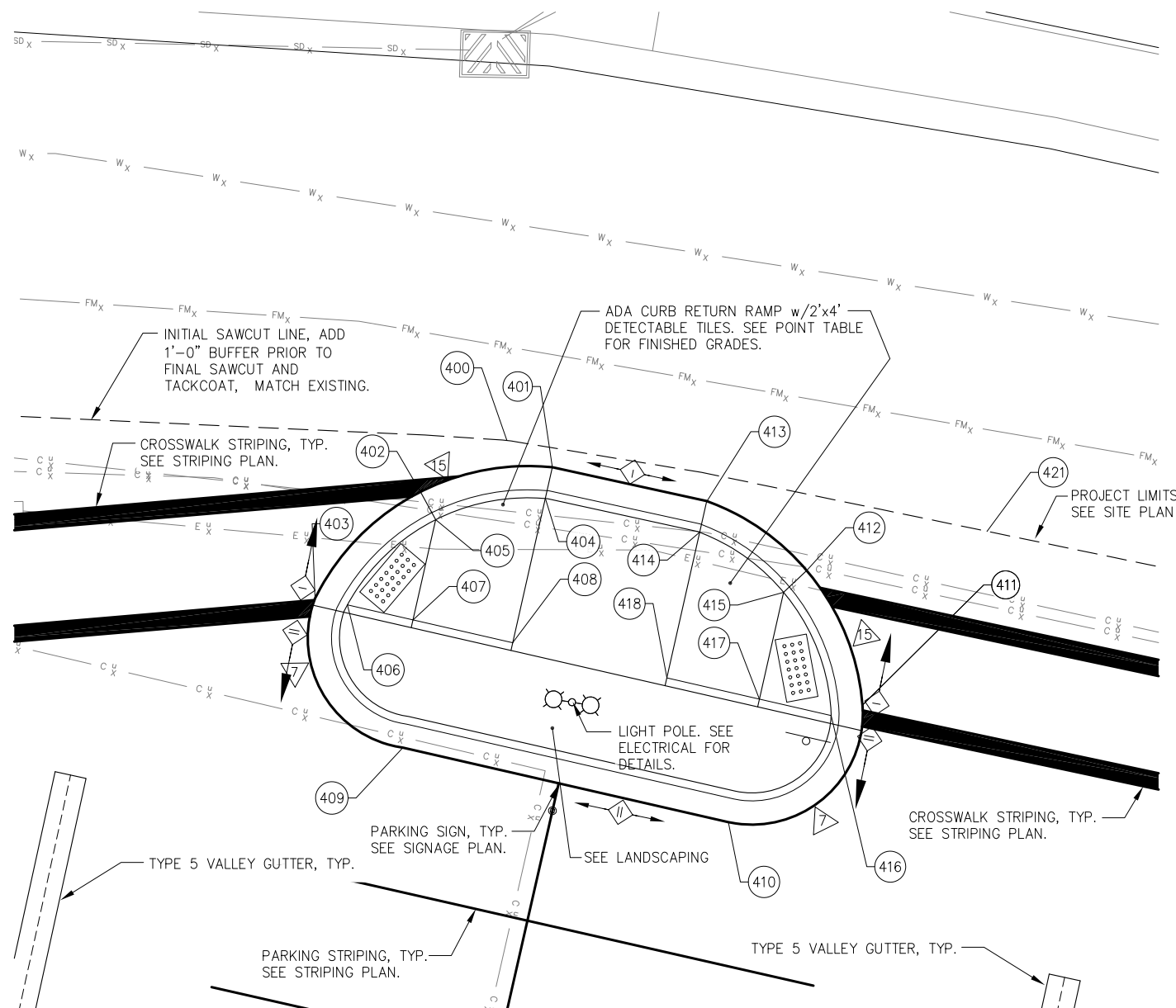


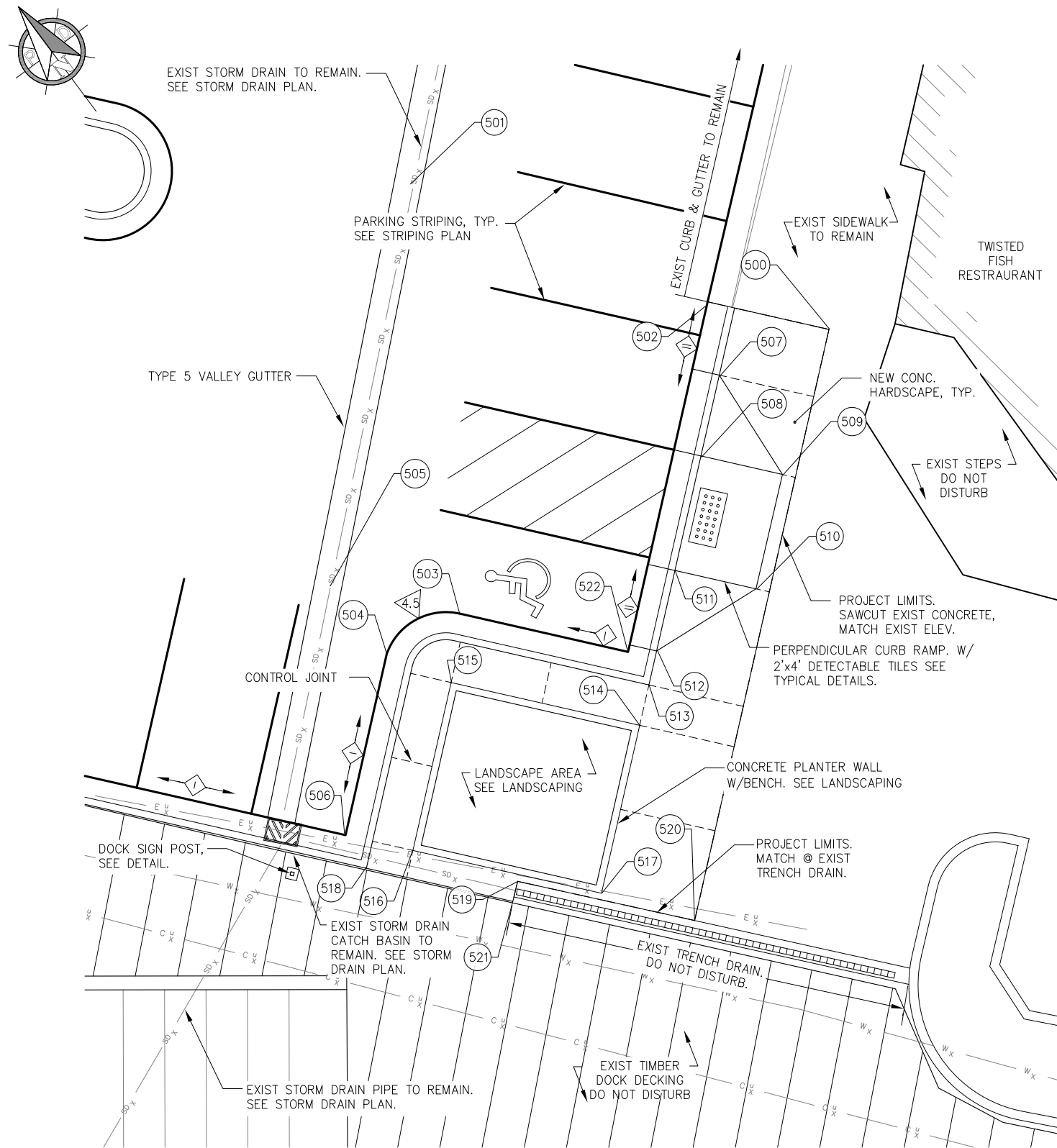
**CRUISE SHIP TERMINAL STAGING AREA
IMPROVEMENTS PHASE II
CONTRACT NO. DH13-017**

SHEET TITLE:
ENLARGED PLAN DETAILS

PND PROJECT NO.: 102081

2.04
SHEET
13 OF 52

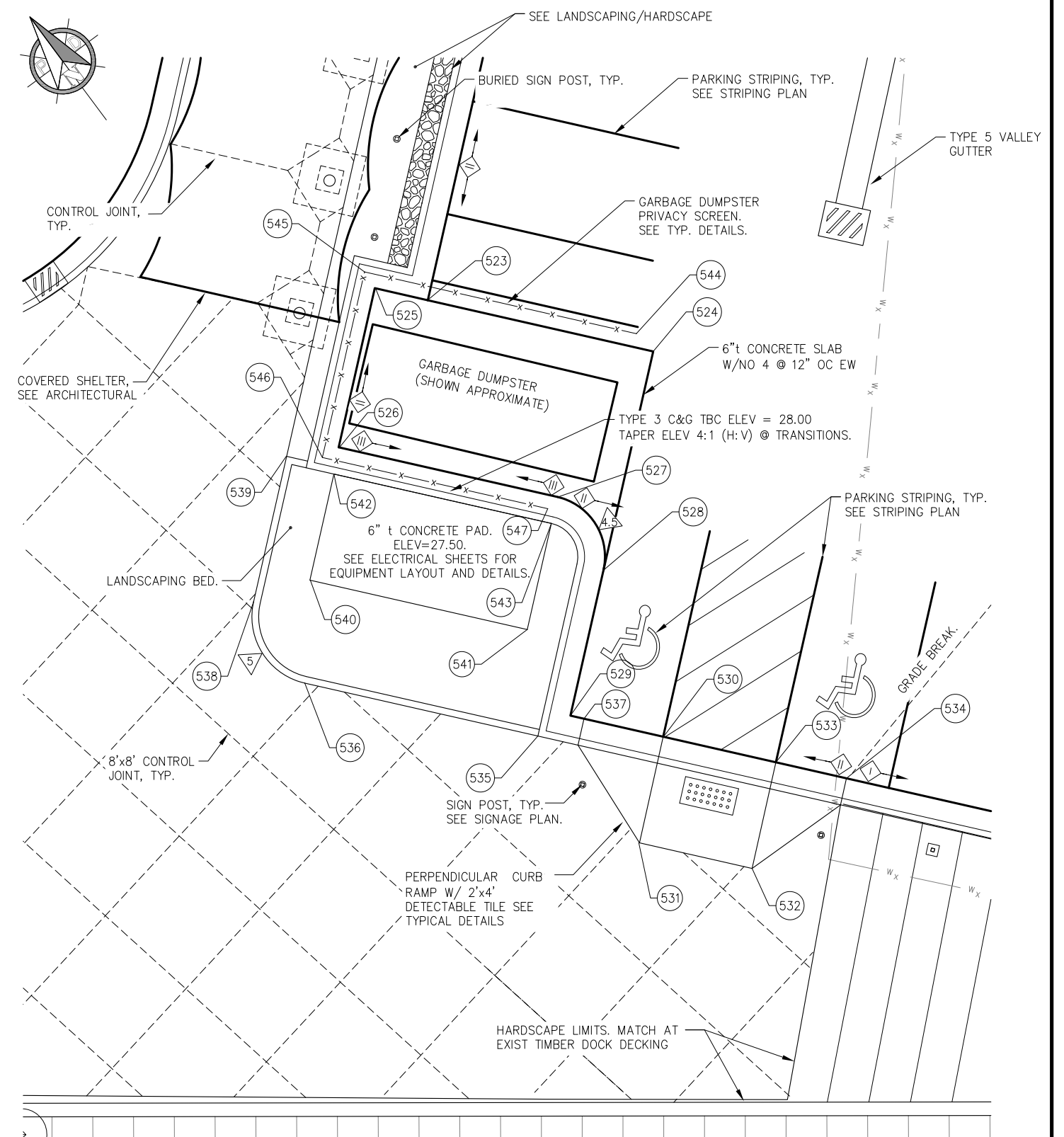




1
2.02

TWISTED FISH ENTRANCE
PLAN DETAIL

- NOTE:**
1. SEE LANDSCAPE SHEETS FOR ALL LANDSCAPE DETAILS.
 2. SEE POINT LAYOUT TABLE SHEETS FOR ALL POINT VALUES SHOWN HERE.
 3. SEE ELECTRICAL SHEETS FOR ALL ELECTRICAL DETAILS.



2
2.02

DUMPSTER & ELECTRICAL EQUIPMENT
PLAN DETAIL



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APPROVED: CRS

SCALE: SCALE IN FEET
0 5 10 FT.

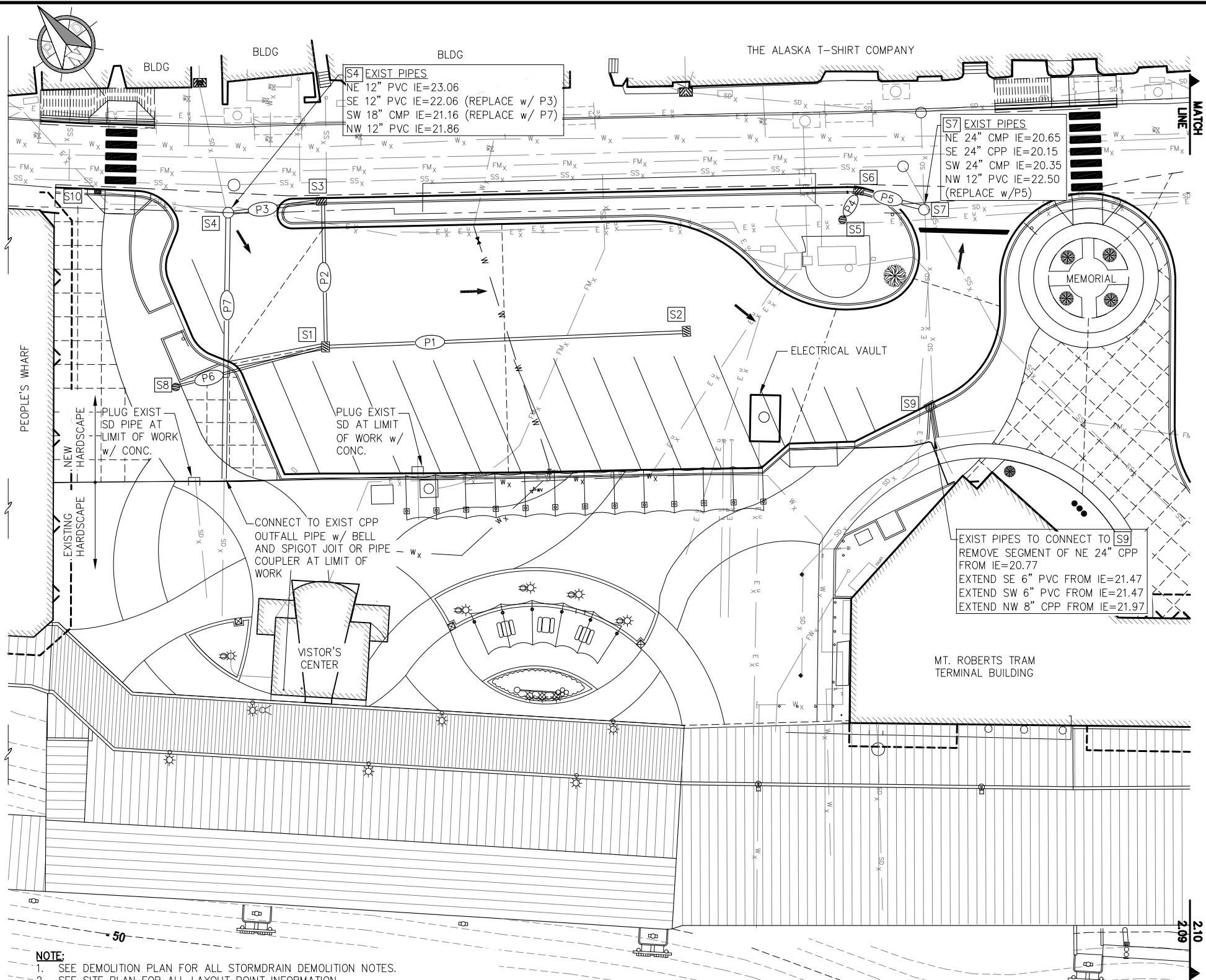


CRUISE SHIP TERMINAL STAGING AREA IMPROVEMENTS PHASE II
CONTRACT NO. DH13-017

SHEET TITLE:
ENLARGED PLAN DETAILS

PND PROJECT NO.: 102081

2.06
SHEET
15 OF 52



NOTE:

1. SEE DEMOLITION PLAN FOR ALL STORMDRAIN DEMOLITION NOTES.
2. SEE SITE PLAN FOR ALL LAYOUT POINT INFORMATION.
3. ALL EXISTING UTILITIES ARE SHOWN APPROXIMATE. FIELD VERIFY.
4. SEE ELECTRICAL AND WATERLINE SHEETS FOR OTHER PROJECT UTILITIES NOT SHOWN HERE.
5. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO DOT&PF ROW TO OBTAIN APPROVAL PRIOR TO ANY CONSTRUCTION WITHIN THE DOT&PF ROW.
6. ALL STORM DRAIN STRUCTURES WITHIN CURB & GUTTER SHALL BE CONSTRUCTED TO MATCH CURB TYPES AS SHOWN. SEE TYPICAL CURB DETAILS.
7. EXIST. STORM SEWER PIPES SHALL REMAIN UNO.

PARTIAL SITE PLAN

STORM DRAIN PIPING

PIPE NO.	DIA. (IN)	TYPE	LENGTH (FT)	FROM	PIPE IE	TO	PIPE IE	SLOPE
P1	12	CPP-S	125	S2	23.50	S1	22.20	1.0%
P2	12	CPP-S	50	S1	22.10	S3	21.60	1.0%
P3	12	CPP-S	40	S3	21.50	S4	21.20	0.75%
P4	8	CPP-S	15	S5	23.65	S6	23.35	2.0%
P5	12	CPP-S	20	S6	22.90	S7	22.50	2.0%
P6	8	CPP-S	60	S8	23.20	S1	22.30	1.67%
P7	18	CPP-S	100	S4 (MATCH EXIST KNOCK OUT)	21.16*	OUTFALL PIPE	MATCH EXIST, APPROX. 19.00	MATCH EXIST, APPROX. 19.00

CPP = CORRUGATED POLYETHYLENE PIPE
S = SMOOTH INNER WALL

*AN OWS STANDPIPE SHALL BE INSTALLED w/IN S4 IAW CBJ STD DTL 305 EXCEPT TEE SHALL BE A TAPPING TEE TO ALLOW FOR INSTALLATION THROUGH MANHOLE FRAME, SEE SPECIFICATIONS FOR ADDITIONAL DESCRIPTION OF WORK.

STORM DRAIN STRUCTURES

STRICT NO.	NORTHING	EASTING	RIM ELEV.	STRUCT/CAST TYPE	REMARKS
S1	478345.69'	532301.04'	25.50	CBFTI	SEE CATCH BASIN TYP. DETAIL
S2	478262.70'	532389.08'	26.50	CBFTI	SEE CATCH BASIN TYP. DETAIL
S3	4478381.07'	532334.93'	26.80	CBCI	IN CURB, SEE CATCH BASIN TYP. DETAIL
S4	478400.81'	532310.05'	26.65	EXIST MHFSL	EXIST MH TO REMAIN. ADJUST RIM TO GRADE
S5	478251.14'	532453.71'	27.15	AD/CSTI	SEE AREA DRAIN TYP. DETAIL
S6	478255.05'	532464.10'	26.85	CBCI	IN CURB, SEE CATCH BASIN TYP. DETAIL
S7	478234.88'	532474.94'	26.95	EXIST MHFSL	EXIST MH TO REMAIN. ADJUST RIM TO GRADE.
S8	478372.03'	532256.35'	26.50	AD/CSTI	SEE AREA DRAIN TYP. DETAIL
S9	478186.92'	532429.36'	26.90	MHCI	48IN MANHOLE IN CURB, SEE DTL. CONNECT PIPES FROM EXST CB AS SHOWN
S10	478437.03'	532284.28'	26.50	EXIST CBFW	EXIST SDCB IN CURB TO REMAIN. ADJUST HOOD TO MATCH SLOPE OF NEW CURB RAMP. RIM ELEV TO REMAIN.

SDCB = STORMDRAIN CATCHBASIN
OWS = OIL/WATER SEPARATOR
CBFTI = CATCHBASIN FRAME w/ TOP INTAKE
MHFSL = MANHOLE FRAME w/ SOLID LID
MHCI = MANHOLE FRAME w/CURB INLET, FRAME GRATE & HOOD
CBCI = CATCH BASIN w/CURB INLET, FRAME, GRATE & HOOD
AD = AREA DRAIN
CSTI = CAST IRON

DIAL BEFORE YOU DIG!
586-1333

UNDERGROUND POWER, TELEPHONE, T.V.,
COMMUNICATIONS, WATER AND SEWER LINES
ARE IN THE AREA. UTILITIES SHOWN HERE DO
NOT SUBSTITUTE FOR FIELD LOCATES.



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CRUISE SHIP TERMINAL STAGING AREA
IMPROVEMENTS PHASE II
CONTRACT NO. DH13-017

SHEET TITLE:
STORM DRAIN PLAN

PND PROJECT NO.: 102081

2.09
SHEET
18 OF 52

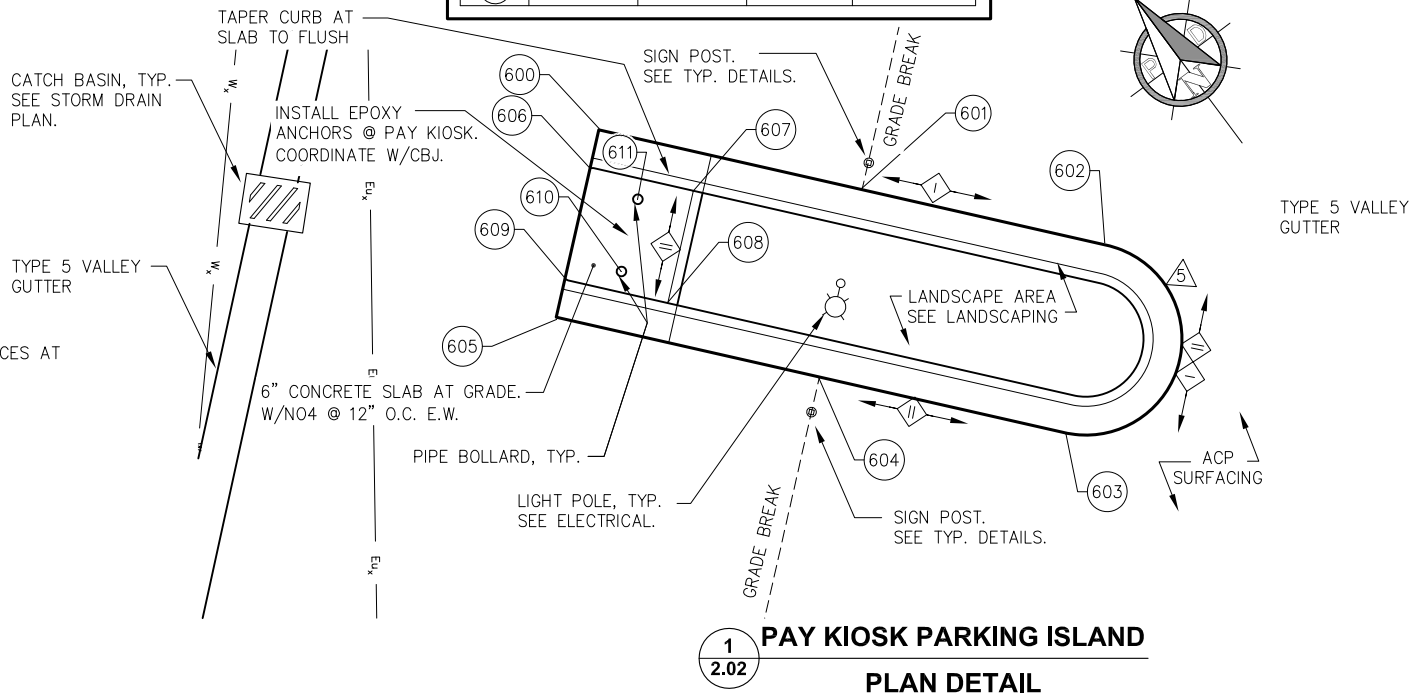
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POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
419	477942.09	532757.46	29.94	EP, MATCH
420	477959.21	532746.28	29.92	EP, MATCH
421	478000.49	532719.28	29.84	EP, MATCH
422	477940.62	532755.54	29.89	EP, MATCH
423	477935.28	532747.08	30.37	BLDG, MATCH
424	477953.21	532736.13	30.40	BLDG, MATCH
425	477957.29	532743.02	30.30	BCC, GB
426	477966.84	532737.26	30.14	GB
427	477970.53	532737.49	29.85	PC, EP
428	477972.43	532733.14	29.80	ECC, GB
429	477960.07	532726.08	29.81	GB
430	477968.67	532738.68	29.85	EP
431	477975.50	532719.24	29.60	PCC, EP
432	477969.84	532717.67	29.45	PT, EP
433	477960.73	532723.32	29.20	COR, EP
434	477965.81	532722.45	29.65	GB
435	477964.81	532720.84	29.31	EP
436	477976.89	532727.79	29.76	POC, EP
437	477949.03	532729.35	29.75	BLDG, MATCH
438	477958.47	532723.50	29.70	GB
439	477951.49	532713.84	29.73	EC
440	477942.71	532719.23	29.85	BLDG, MATCH
441	477942.59	532699.13	28.92	EC
442	477945.06	532697.62	28.40	COR, EP, MATCH
443	477943.68	532700.34	28.98	PT, RAIL
444	477960.14	532726.68	29.85	COR, RAIL
445	477965.86	532723.15	29.67	PT, RAIL
446	477954.28	532712.72	28.90	EP
447	477969.52	532765.85	30.06	EP, MATCH
448	477953.30	532775.29	30.00	EP, MATCH

LAYOUT POINT TABLE 1206				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
500	477896.82	532635.90	27.95	EC
501	477925.78	532622.10	26.65	VG, GB
502	477904.36	532630.76	27.35	EP
503	477901.41	532602.44	26.60	PC, EP
504	477903.13	532596.67	26.40	PT, EP
505	477909.49	532597.29	26.45	VG, GB
506	477896.19	532585.27	25.80	COR, EP
507	477900.07	532627.94	27.70	BCC
508	477896.90	532622.81	27.15	ECC
509	477891.79	532625.99	27.65	BCC
510	477887.34	532618.84	27.50	BCC
511	477892.44	532615.58	27.00	ECC
512	477889.32	532610.58	27.30	BCC
513	477887.98	532608.37	27.20	COR, EC
514	477886.40	532605.82	27.00	EC
515	477898.28	532598.44	26.85	EC
516	477891.80	532587.85	26.40	EC
517	477879.87	532595.26	26.40	EC
518	477893.33	532584.62	26.30	COR, EC
519	477884.84	532591.60	26.40	DRAIN, EC MATCH
520	477873.72	532598.56	26.40	BLDG, MATCH
521	477884.07	532590.31	26.40	EC, MATCH
522	477890.97	532609.12	26.80	COR, EP

LAYOUT POINT TABLE 2206				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
523	477994.67	532556.41	26.60	COR, EP
524	477980.20	532565.37	26.52	COR, EP
525	477998.01	532554.34	26.65	EC
526	477991.69	532544.14	26.70	EC
527	477977.68	532552.82	26.60	PC, EC
528	477971.51	532551.35	26.70	PT, EP
529	477965.73	532542.02	27.00	COR, EP
530	477959.77	532545.68	27.20	ECC, EP
531	477955.57	532538.88	27.70	BCC, JOINT
532	477948.32	532543.40	27.70	BCC, JOINT
533	477952.56	532550.18	27.20	ECC, EP
534	477948.03	532552.99	27.25	BCC, EP, GB
535	477966.38	532539.27	27.30	COR, EC
536	477981.33	532530.00	27.40	PC, EC
537	477964.87	532542.56	27.03	BCC, EP
538	477988.21	532531.62	27.25	PT, EC
539	477994.01	532540.94	27.00	COR, EC
540	477986.35	532535.68	27.50	COR, EC
541	477972.44	532544.30	27.50	COR, EC
542	477990.60	532542.46	27.50	COR, EC
543	477976.66	532551.10	27.50	COR, EC
544	477982.01	532565.43	26.52	FENCE
545	477999.43	532554.63	27.00	FENCE
546	477992.06	532542.73	27.19	FENCE
547	477977.61	532551.69	27.21	FENCE

LAYOUT POINT TABLE 1208				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
600	477994.24	532639.15	27.75	COR, EP
601	477982.30	532646.55	27.95	EP, GB
602	477971.31	532653.41	27.75	PC, EP
603	477965.74	532644.89	27.70	PT, EP
604	477976.92	532637.92	27.85	EP, GB
605	477988.83	532630.52	27.60	COR, EP
606	477993.10	532637.35	27.68	EC
607	477988.45	532640.26	27.38	GB
608	477985.32	532635.19	28.10	GB
609	477989.94	532632.36	27.68	EC
610	477988.17	532634.65	27.99	BOL
611	477990.21	532637.93	28.01	BOL

- NOTE:
- ELEV. ON MATCH POINTS GIVEN FOR REFERENCE PURPOSES ONLY, MATCHING EXISTING SURFACES AT ALL MATCH POINTS SHALL TAKE PRECEDENCE .
 - CONTRACTOR SHALL VERIFY AND RECORD ALL MATCH POINTS PRIOR TO DEMO ACTIVITIES.



REVISIONS				
REV.	DATE	DESCRIPTION	DWN.	CKD.

P

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ENGINEERS, INC.

DESIGN: NAM
DRAWN: NAM

CHECKED: TCB
APPROVED: CRS

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SCALE:

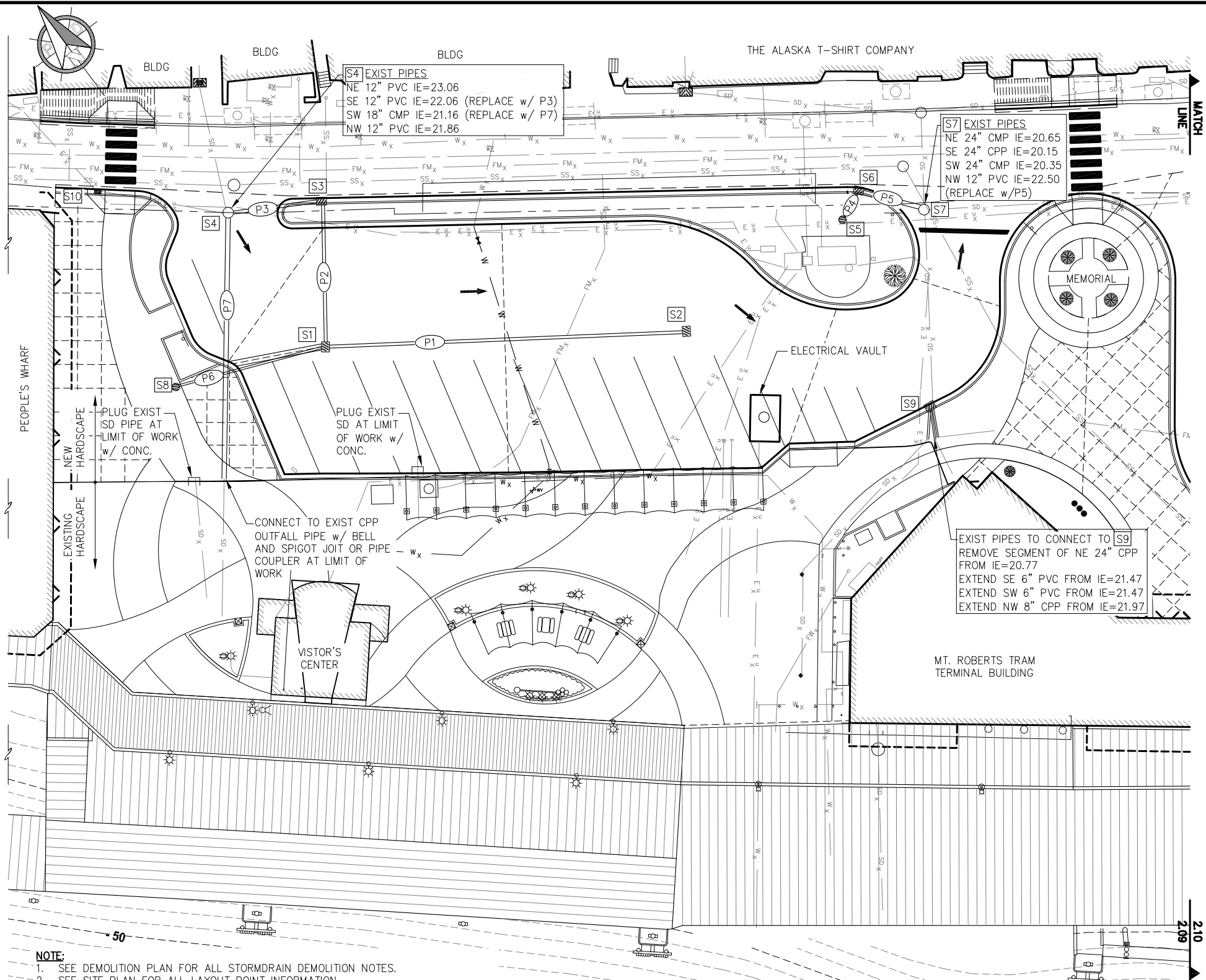
CRUISE SHIP TERMINAL STAGING AREA
IMPROVEMENTS PHASE II
CONTRACT NO. DH13-017

SHEET TITLE:
POINT LAYOUT TABLES

PND PROJECT NO.: 102081

2.08

SHEET
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NOTE:

1. SEE DEMOLITION PLAN FOR ALL STORMDRAIN DEMOLITION NOTES.
2. SEE SITE PLAN FOR ALL LAYOUT POINT INFORMATION.
3. ALL EXISTING UTILITIES ARE SHOWN APPROXIMATE. FIELD VERIFY.
4. SEE ELECTRICAL AND WATERLINE SHEETS FOR OTHER PROJECT UTILITIES NOT SHOWN HERE.
5. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO DOT&PF ROW TO OBTAIN APPROVAL PRIOR TO ANY CONSTRUCTION WITHIN THE DOT&PF ROW.
6. ALL STORM DRAIN STRUCTURES WITHIN CURB & GUTTER SHALL BE CONSTRUCTED TO MATCH CURB TYPES AS SHOWN. SEE TYPICAL CURB DETAILS.
7. EXIST. STORM SEWER PIPES SHALL REMAIN UNO.

PARTIAL SITE PLAN

STORM DRAIN PIPING

PIPE NO.	DIA. (IN)	TYPE	LENGTH (FT)	FROM	PIPE IE	TO	PIPE IE	SLOPE
P1	12	CPP-S	125	S2	23.50	S1	22.20	1.0%
P2	12	CPP-S	50	S1	22.10	S3	21.60	1.0%
P3	12	CPP-S	40	S3	21.50	S4	21.20	0.75%
P4	8	CPP-S	15	S5	23.65	S6	23.35	2.0%
P5	12	CPP-S	20	S6	22.90	S7	22.50	2.0%
P6	8	CPP-S	60	S8	23.20	S1	22.30	1.67%
P7	18	CPP-S	100	S4 (MATCH EXIST KNOCK OUT)	21.16*	OUTFALL PIPE	MATCH EXIST, APPROX. 19.00	MATCH EXIST, APPROX. 19.00

CPP = CORRUGATED POLYETHYLENE PIPE
S = SMOOTH INNER WALL

*AN OWS STANDPIPE SHALL BE INSTALLED w/IN S4 IAW CBJ STD DTL 305 EXCEPT TEE SHALL BE A TAPPING TEE TO ALLOW FOR INSTALLATION THROUGH MANHOLE FRAME, SEE SPECIFICATIONS FOR ADDITIONAL DESCRIPTION OF WORK.

STORM DRAIN STRUCTURES

STRCT NO.	NORTHING	EASTING	RIM ELEV.	STRUCT/CAST TYPE	REMARKS
S1	478345.69'	532301.04'	25.50	CBFTI	SEE CATCH BASIN TYP. DETAIL
S2	478262.70'	532389.08'	26.50	CBFTI	SEE CATCH BASIN TYP. DETAIL
S3	4478381.07'	532334.93'	26.80	CBCI	IN CURB, SEE CATCH BASIN TYP. DETAIL
S4	478400.81'	532310.05'	26.65	EXIST MHFSL	EXIST MH TO REMAIN. ADJUST RIM TO GRADE
S5	478251.14'	532453.71'	27.15	AD/CSTI	SEE AREA DRAIN TYP. DETAIL
S6	478255.05'	532464.10'	26.85	CBCI	IN CURB, SEE CATCH BASIN TYP. DETAIL
S7	478234.88'	532474.94'	26.95	EXIST MHFSL	EXIST MH TO REMAIN. ADJUST RIM TO GRADE.
S8	478372.03'	532256.35'	26.50	AD/CSTI	SEE AREA DRAIN TYP. DETAIL
S9	478186.92'	532429.36'	26.90	MHCI	48IN MANHOLE IN CURB, SEE DTL. CONNECT PIPES FROM EXST CB AS SHOWN
S10	478437.03'	532284.28'	26.50	EXIST CBFW	EXIST SDCB IN CURB TO REMAIN. ADJUST HOOD TO MATCH SLOPE OF NEW CURB RAMP. RIM ELEV TO REMAIN.

SDCB = STORMDRAIN CATCHBASIN
OWS = OIL/WATER SEPARATOR
CBFTI = CATCHBASIN FRAME w/ TOP INTAKE
MHFSL = MANHOLE FRAME w/ SOLID LID
MHCI = MANHOLE FRAME w/CURB INLET, FRAME GRATE & HOOD
CBCI = CATCH BASIN w/CURB INLET, FRAME, GRATE & HOOD
AD = AREA DRAIN
CSTI = CAST IRON

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UNDERGROUND POWER, TELEPHONE, T.V.,
COMMUNICATIONS, WATER AND SEWER LINES
ARE IN THE AREA. UTILITIES SHOWN HERE DO
NOT SUBSTITUTE FOR FIELD LOCATES.



REVISIONS				
REV.	DATE	DESCRIPTION	DWN.	CKD.



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CHECKED: TCB
APPROVED: CRS

SCALE: SCALE IN FEET
0 20 40 FT.



CRUISE SHIP TERMINAL STAGING AREA
IMPROVEMENTS PHASE II
CONTRACT NO. DH13-017

SHEET TITLE:
STORM DRAIN PLAN

PND PROJECT NO.: 102081

2.09
SHEET
18 OF 52

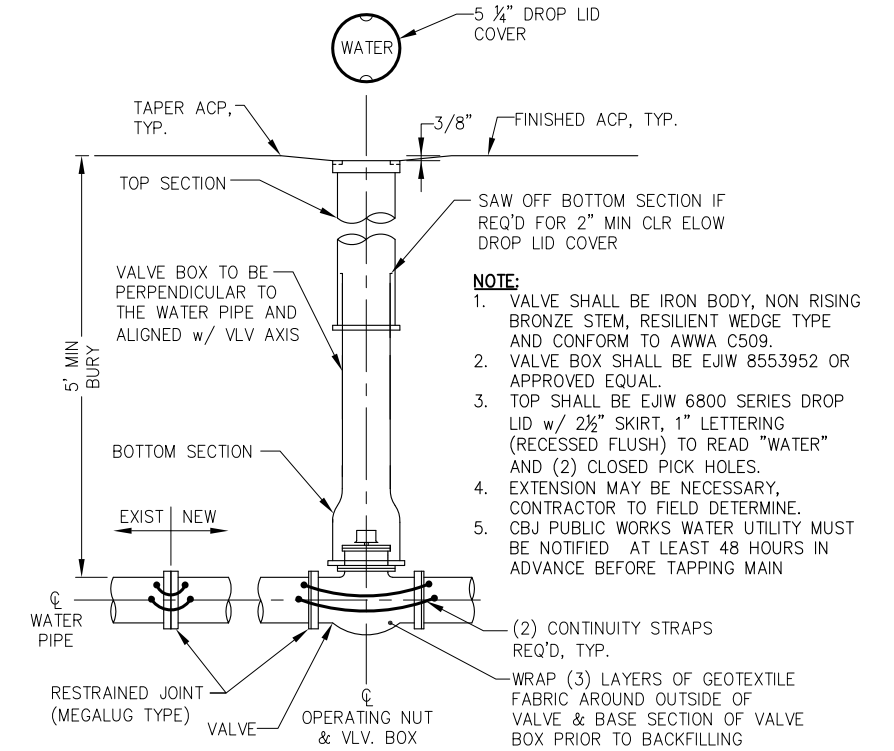
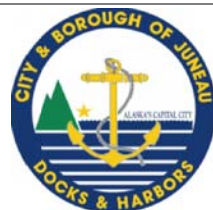


Diagram illustrating the cross-section of a trench, showing various layers and dimensions:

- FINISH GRADE PER PLAN**: Indicated by a dashed line at the top of the trench.
- TRENCH SIDEWALL TO STABLE SLOPE PER OSHA STANDARDS**: Indicated by an arrow pointing to the sloped side of the trench.
- UTILITY WARNING RIBBON**: Indicated by an arrow pointing to a horizontal line within the trench.
- BEDDING, CLASS A COMPACTED TO 95% OF MAX. DENSITY UNLESS OTHERWISE SPECIFIED.**: Indicated by an arrow pointing to the bottom layer of the trench.
- USEABLE EXCAVATION, COMPACT TO 95% MAX. DENSITY**: Indicated by an arrow pointing to the main body of the trench.
- 5'-0" MIN. COVER**: Dimension indicating the minimum depth of the trench.
- 1'-0" MIN. COVER**: Dimension indicating the minimum depth of the bedding layer.
- O.D.**: Dimension indicating the outside diameter of the pipe.
- 6"**: Dimension indicating the thickness of the bedding layer.
- 12" TYP**: Dimension indicating the typical width of the trench.

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**UNDERGROUND POWER, TELEPHONE, T.V.,
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[illegible]

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DESIGN: TCB CHECKED: NAB
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SCALE:	NTS
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**CRUISE SHIP TERMINAL STAGING AREA
IMPROVEMENTS PHASE II
CONTRACT NO. DH13-017**

SHEET TITLE:

WATERLINE PLAN AND DETAILS

PND PROJECT NO.: 102081

2.11
SHEET
0 OF 52