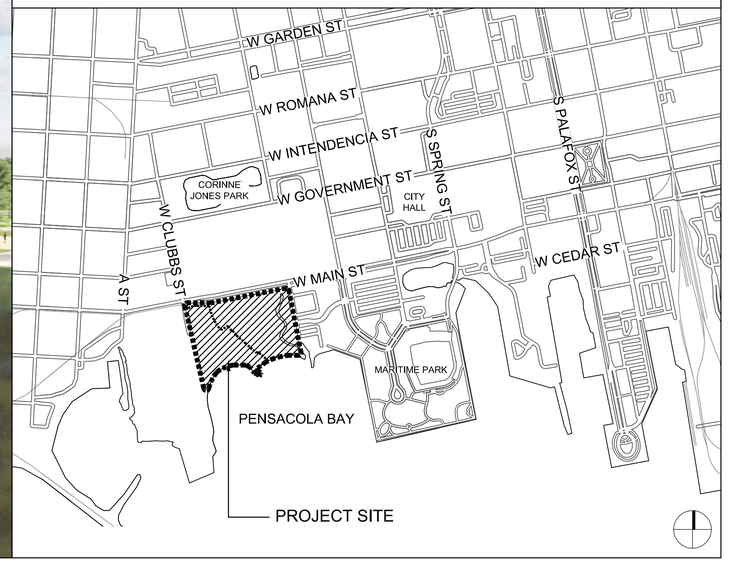
BRUCE BEACH PARK

PHASE TWO
ISSUE FOR BID

CITY OF PENSACOLA FLORIDA

LOCATION MAP - NTS



SHEET INDEX

HDR

25 W. Cedar Street, Suite 200
Pensacola, FL 32502

PENSACOLA
FLORIDA'S FIRST & FUTURE

BRUCE BEACH PARK
601 W. Main Street
Pensacola, FL 32502

PHASE TWO

DATE	DESCRIPTION
05/22/2023	ISSUE FOR BID

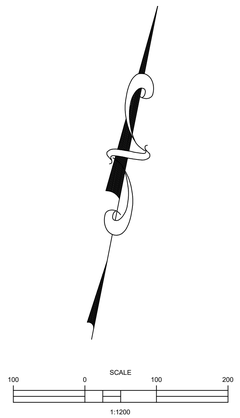
HDR Project Number: 10279441

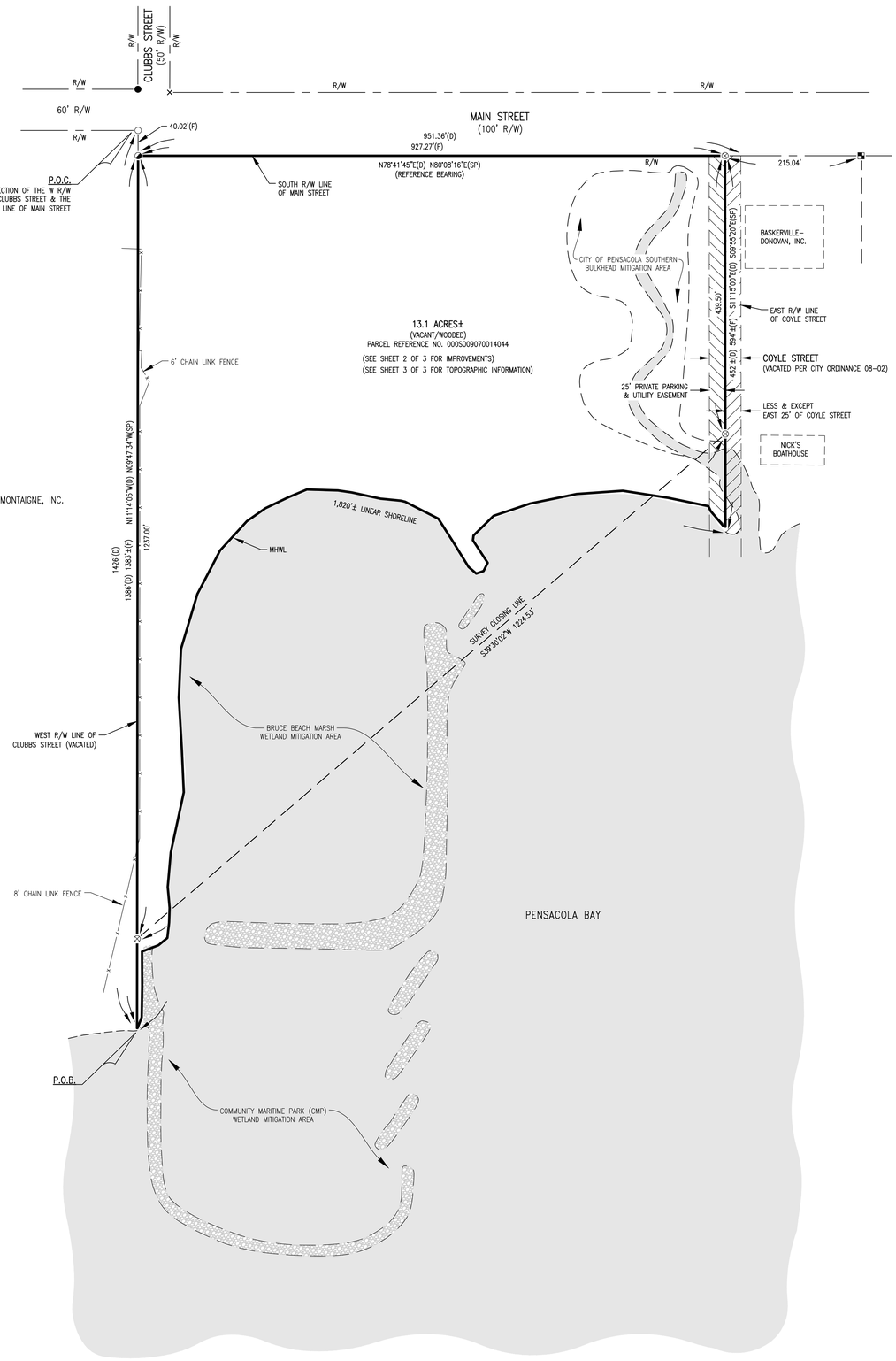
Sheet Name
COVER

Scale
NTS

Sheet Number
CVR-1

BOUNDARY & TOPOGRAPHIC SURVEY

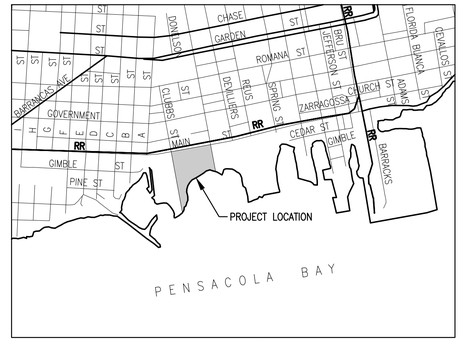




LEGEND

- (D) — DEED
- (F) — FIELD
- (SP) — STATE PLANE
- R/W — RIGHT-OF-WAY
- P.O.B. — POINT OF BEGINNING
- P.O.C. — POINT OF COMMENCEMENT
- ⊗ — SET CAPPED IRON ROD NO. 0340
- ◕ — EXISTING CAPPED IRON ROD NO. 1748
- ● — EXISTING IRON ROD (UNNUMBERED)
- ○ — EXISTING IRON PIPE (UNNUMBERED)
- ▪ — EXISTING CONCRETE MONUMENT NO. 0340
- × — EXISTING "X" CUT IN CONCRETE

VICINITY MAP



(NOT TO SCALE)

DESCRIPTION

(AS FURNISHED)

THAT PORTION OF THE WATERFRONT TRACT AND DONELSON TRACT, LYING EAST OF THE WEST RIGHT OF WAY OF CLUBBS STREET (50' R/W), SOUTH OF MAIN STREET (100' R/W), AND WEST OF THE EAST RIGHT OF WAY COYLE STREET (50' R/W), ACCORDING TO THE MAP OF PENSACOLA COPYRIGHTED BY THOMAS C. WATSON IN 1906 AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE INTERSECTION OF THE WEST RIGHT OF WAY LINE OF CLUBBS STREET (50' R/W) AND THE SOUTH RIGHT OF WAY LINE OF MAIN STREET (60' R/W); THENCE S 11°14'05" E ALONG SAID WEST RIGHT OF WAY LINE FOR A DISTANCE OF 1426 FEET, MORE OR LESS, TO THE MEAN HIGH WATER LINE OF PENSACOLA BAY FOR THE POINT OF BEGINNING; THENCE N 11°14'05" W ALONG SAID WEST RIGHT OF WAY LINE FOR A DISTANCE OF 1386 FEET, MORE OR LESS, TO THE SOUTH RIGHT OF WAY LINE OF MAIN STREET (100' R/W); THENCE N 78°41'45" E ALONG SAID SOUTH RIGHT OF WAY LINE FOR A DISTANCE OF 951.36 FEET TO THE EAST RIGHT OF WAY LINE OF COYLE STREET (50' R/W); THENCE S 11°15'00" E ALONG SAID EAST RIGHT OF WAY LINE FOR A DISTANCE OF 462 FEET, MORE OR LESS TO THE MEAN HIGHWATER LINE OF PENSACOLA BAY; THENCE SOUTHWESTERLY MEANDERING ALONG SAID MEAN HIGHWATER LINE TO THE POINT OF BEGINNING.

LESS & EXCEPT THE EAST 25' OF COYLE STREET (50' VACATED R/W).

GENERAL NOTES:

1. NORTH AND THE SURVEY DATUM SHOWN HEREON IS BASED ON A PREVIOUS SURVEY BY FABRE ENGINEERING, JOB NO. 000004-04-S02, DATED 9/10/01, A PREVIOUS SURVEY BY BASKERVILLE-DONOVAN, PROJECT NO. 67201.01, DATED 3/29/04, DEEDS OF RECORD, EXISTING FIELD MONUMENTATION AND THE FLORIDA STATE PLANE COORDINATE SYSTEM, FLORIDA NORTH ZONE (NAD83).
2. NO TITLE SEARCH, TITLE OPINION, OR ABSTRACT WAS PERFORMED BY NOR PROVIDED TO THIS FIRM FOR THE SUBJECT PROPERTY. THERE MAY BE DEEDS OF RECORD, UNRECORDED DEEDS, EASEMENTS, RIGHTS-OF-WAY, BUILDING SETBACKS, RESTRICTIVE COVENANTS OR OTHER INSTRUMENTS WHICH COULD AFFECT THE BOUNDARIES OR USE OF THE SUBJECT PROPERTY.
3. IMPROVEMENTS AND VISIBLE UTILITIES ARE AS SHOWN HEREON.
4. ENCROACHMENTS ARE AS SHOWN HEREON.
5. THE ELEVATIONS SHOWN HEREON ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
6. THE FIELD SURVEY WAS PERFORMED JANUARY, 2021 AND RECORDED IN FIELD BOOK 20-04, PAGES 63-70.
7. THE BOUNDARY AND TOPOGRAPHIC SURVEY SHOWN HEREON WAS ORIGINALLY PREPARED ON DECEMBER 17, 2015.
8. THE UPDATED FIELD SURVEY WAS PERFORMED ON DECEMBER 22-29, 2022 AND THE DATA RECORDED IN FIELD BOOK 12-09, PAGES 20-21.

SURVEYOR'S CERTIFICATION:

THE SURVEY SHOWN HEREON WAS PREPARED IN COMPLIANCE WITH THE STANDARDS OF PRACTICE SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS AND MAPPERS IN CHAPTER 5J-17 OF THE FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027 FLORIDA STATUTES TO THE BEST OF MY KNOWLEDGE AND BELIEF.

FOR: BASKERVILLE-DONOVAN INC.
CORPORATE NUMBER 0340

BY: _____
ROBERT SCOTT MILLS
FLORIDA REGISTRATION NO. 5509

ROBERT SCOTT MILLS CERTIFICATE NO. 5509 STATE OF FLORIDA PROFESSIONAL SURVEYOR & MAPPER

2/17/21
DATE

BASKERVILLE-DONOVAN, INC.
ENGINEERING THE SOUTH SINCE 1927
449 W. MAIN ST. PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EB-0000340
Pensacola - Panama City Beach - Tallahassee - Mobile

NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER

A PORTION OF WATERFRONT TRACT AND THE DONELSON TRACT, CITY OF PENSACOLA, ESCAMBIA COUNTY, FLORIDA

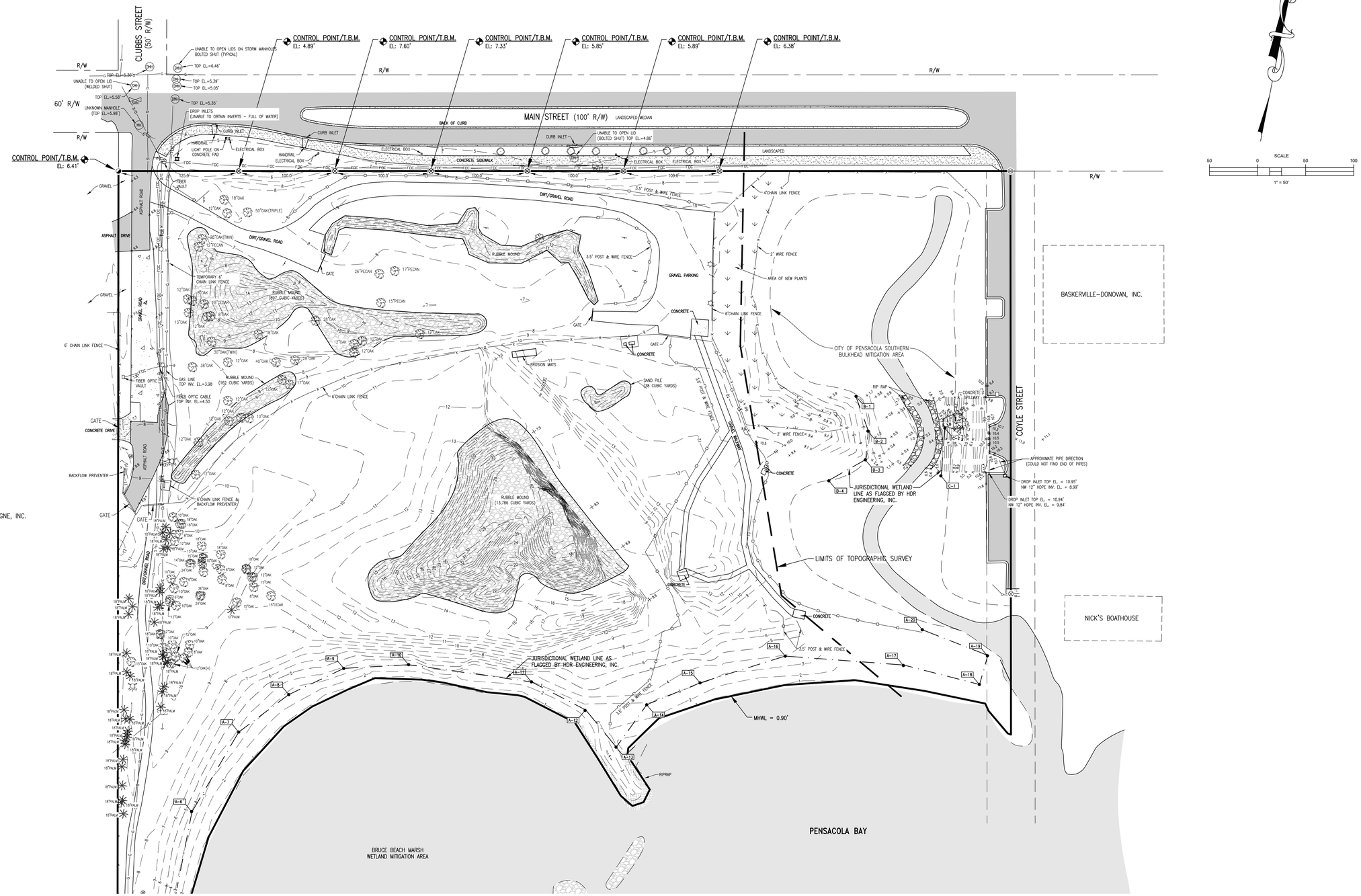
NO.	DATE	APPR.	REVISION/ACTION TAKEN
1	3/2/21	RSM	ADD ADDITIONAL TOPOGRAPHY
2	1/16/23	RSM	ADD ADDITIONAL TOPOGRAPHY
3	1/16/23	RSM	ADD ADDITIONAL TREE LOCATIONS

PROJECT NO: S0001.21
SCALE: 1"=100'
DRAWN BY: MOB
CHK'D BY: RSM
PROJ. MGR: RSM
DATE: 02/17/21

BOUNDARY & TOPOGRAPHIC SURVEY

PREPARED FOR & CERTIFIED TO:
HDR ENGINEERING, INC.

BOUNDARY & TOPOGRAPHIC SURVEY



LEGEND

- IRRIGATION VALVE
- SEWER VALVE
- SEWER VALVE
- WATER VALVE
- POWER POLE
- STORM DRAIN MANHOLE
- SANITARY SEWER MANHOLE
- GUY ANCHOR
- MONITORING WELL
- BOLLARD
- FIRE HYDRANT
- GAS MARKER POST
- BACKFLOW PREVENTER
- FIBER OPTIC CABLE
- GAS LINE
- OVERHEAD ELECTRIC
- WATER LINE
- CONTOUR LINE AT 1' INTERVALS
- T.B.M. — TEMPORARY BENCHMARK
- EL. — ELEVATION
- INV. — INVERT
- HDPE — HIGH DENSITY POLY-ETHYLENE
- SIGN
- TREE (SIZE AND TYPE AS NOTED)

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A PORTION OF WATERFRONT TRACT AND THE DONELSON TRACT, CITY OF PENSACOLA, ESCAMBIA COUNTY, FLORIDA

NO.	DATE	APPR.	REVISION/ACTION TAKEN
1	3/2/21	RSM	ADD ADDITIONAL TOPOGRAPHY
2	1/16/23	RSM	ADD ADDITIONAL TOPOGRAPHY
3	1/16/23	RSM	ADD ADDITIONAL TREE LOCATIONS

PROJECT NO: S0001.21
SCALE: 1"=50'
DRAWN BY: MOB
CHK'D BY: RSM
PROJ. MGR: RSM
DATE: 02/17/21

BOUNDARY & TOPOGRAPHIC SURVEY

PREPARED FOR & CERTIFIED TO:
HDR ENGINEERING, INC.

K:\SURVEY\0001\S0001.21 Bruce Beach\DWG\S0001.21-B&T-Revision-Final.dwg Jan 16, 2023 - 9:34:34AM, mbotterbee

BOUNDARY & TOPOGRAPHIC SURVEY

LEGEND

- IRV — IRRIGATION VALVE
- SV — SEWER VALVE
- SV — SEWER VALVE
- WV — WATER VALVE
- POWER POLE
- SMH — STORM DRAIN MANHOLE
- SMH — SANITARY SEWER MANHOLE
- GUY ANCHOR
- M — MONITORING WELL
- FIRE HYDRANT
- GAS MARKER POST
- BACKFLOW PREVENTER
- FOC — FIBER OPTIC CABLE
- G — GAS LINE
- O/E — OVERHEAD ELECTRIC
- W — WATER LINE
- CONTOUR LINE AT 1' INTERVALS
- T.B.M. — TEMPORARY BENCHMARK
- EL. — ELEVATION
- SIGN
- TREE (SIZE AND TYPE AS NOTED)

SCALE
50 0 50 100
1" = 50'

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Pensacola - Panama City Beach - Tallahassee - Mobile

NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED ENGINEER OR MAPPER

A PORTION OF WATERFRONT TRACT
AND THE DONELSON TRACT,
CITY OF PENSACOLA,
ESCAMBIA COUNTY, FLORIDA

NO.	DATE	APPR.	REVISION/ACTION TAKEN
1	3/2/21	RSM	ADD ADDITIONAL TOPOGRAPHY
2	1/16/23	RSM	ADD ADDITIONAL TOPOGRAPHY
3	1/16/23	RSM	ADD ADDITIONAL TREE LOCATIONS

PROJECT NO: S0001.21
SCALE: 1"=50'
DRAWN BY: MOB
CHK'D BY: RSM
PROJ. MGR: RSM
DATE: 02/17/21

BOUNDARY & TOPOGRAPHIC SURVEY

PREPARED FOR & CERTIFIED TO:
HDR ENGINEERING, INC.

K:\SURVEY\0001\S0001.21 Bruce Beach\DWG\S0001.21-B&T-Revision-Final.dwg, Jan 16, 2023 - 9:43:49AM, mbotterbee

GENERAL NOTES

1. ANY DEVIATIONS FROM THE APPROVED PLANS WILL REQUIRE APPROVAL FROM BOTH THE PROJECT ENGINEER/ARCHITECT AND THE CITY OF PENSACOLA.
2. CONTRACTOR SHALL VERIFY ACCEPTABLE DAYS OF THE WEEK AND HOURS OF THE DAY FOR WORKING WITH THE CITY OF PENSACOLA.
3. EQUIPMENT AND MATERIALS SHALL BE STORED IN AREAS DESIGNATED BY THE CITY. CONSTRUCTION AND STORAGE AREAS SHALL BE KEPT NEAT AND CLEAN AT ALL TIMES.
4. ALL CONSTRUCTION VEHICLES SHALL PARK IN AREAS DESIGNATED BY THE OWNER.
5. NO SITE WORK ACTIVITIES SHALL TAKE PLACE WITHOUT CITY SITE REVIEW/APPROVAL OF PROPOSED EROSION CONTROL MEASURES AND ADVANCED NOTIFICATION OF THE REQUESTED INSPECTION IS REQUIRED.
6. MINIMUM EROSION CONTROL BEST PRACTICES (SILT FENCE AND ROCK CONSTRUCTION AT ENTRANCES) MUST BE INSTALLED PRIOR TO CONSTRUCTION PER CITY STANDARDS, AND MUST BE MAINTAINED THROUGHOUT PROJECT CONSTRUCTION.
7. NECESSARY BARRICADES, SUFFICIENT LIGHTS, SIGNS AND OTHER TRAFFIC CONTROL DEVICES AS MAY BE NECESSARY FOR THE PROTECTION AND SAFETY OF THE PUBLIC SHALL BE PROVIDED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 1988 EDITION AND MAINTAINED WHEN WORKING IN CLOSE PROXIMITY TO PUBLIC ROADS.
8. ALL WASTE FROM DEMOLITION OPERATIONS SHALL BE HAULED OFFSITE AND DISPOSED OF LEGALLY.
9. SIGNING AND STRIPING TO BE PROVIDED BY THE CONTRACTOR ACCORDING TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2009 EDITION WITH ALL REVISIONS INCLUDED.
10. ALL TEMPORARY STRIPING & SIGNAGE NECESSARY TO MAINTAIN SAFE VEHICULAR AND PEDESTRIAN TRAFFIC FLOW DURING CONSTRUCTION IS TO BE FURNISHED, INSTALLED & MAINTAINED BY THE CONTRACTOR.
11. UPON DISCOVERING ANY DISCREPANCIES BETWEEN THE ARCHITECTURAL AND ENGINEERING PLANS, CONTRACTOR IS TO STOP WORK IMMEDIATELY AND NOTIFY THE ENGINEER AND/OR OWNER'S REPRESENTATIVE.
12. CONTRACTOR IS CAUTIONED ABOUT THE PRESENCE OF UNDERGROUND UTILITIES AT OR NEAR THE PROPOSED IMPROVEMENTS THROUGHOUT THIS PROJECT.
13. CONTRACTOR SHALL VERIFY THE PRESENCE OF SUCH UTILITIES PRIOR TO EXCAVATION. ANY ACTION SUCH AS ABANDONMENT OR RELOCATION OF THE UTILITIES MUST BE COORDINATED WITH THE OWNER AND THE AFFECTED UTILITY COMPANY. ANY DISTURBANCE OF EXISTING APPURTENANCES WILL BE COORDINATED WITH THE RESPECTIVE UTILITY COMPANY.
14. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN ENTERING MANHOLES, PIPES OR OTHER STRUCTURES SHOWN ON THE PLANS. AT A MINIMUM, THESE PIPES AND STRUCTURES SHALL BE PROPERLY VENTILATED.
15. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS SHOWN ON THE PLANS FOR ALL STRUCTURES AS WELL AS ALL UTILITY LOCATIONS WITH CURRENT ARCHITECTURAL, STRUCTURAL, ELECTRICAL AND PLUMBING PLANS AND ENSURING THERE ARE NO CONFLICTS; AND SHALL PROMPTLY NOTIFY THE ENGINEER/OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES.
16. DIMENSIONS ARE TO FACE OF CURB, CENTER OF STRUCTURE AND CENTER LINE OF COLUMN/WALL LINE, UNLESS OTHERWISE NOTED. ANGLES SHOWN ON STORM AND SANITARY SEWER ARE TO CENTER OF PIPE, UNLESS OTHERWISE NOTED.
17. ALL CURB AND GUTTER, SIDEWALKS, AND ACCESSIBILITY RAMPS SHALL BE A MINIMUM OF 3000 PSI CONCRETE AT 28 DAYS WITH FIBERMESH.
18. ALL EXISTING MANHOLE COVERS, METER BOXES & OTHER UTILITY APPURTENANCES LOCATED WITHIN THE LIMITS OF WORK SHALL BE ADJUSTED SO THAT THEIR TOP SURFACES WILL BE FLUSH WITH NEW PAVEMENT FINISHED GRADE. THIS ALSO APPLIES TO APPURTENANCES IN EXISTING PAVED AREAS THAT ARE TO BE RETAINED AS EXISTING.
19. ALL FILL PLACED AS A PART OF THIS PROJECT SHALL BE PLACED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
20. ALL SUBGRADE SOILS UNDER AREAS TO RECEIVE PAVEMENT OR FOOTINGS ARE TO BE COMPACTED TO 95% STANDARD PROCTOR.
21. ALL SIDEWALKS AND DRIVEWAYS MUST BE BUILT TO THE LATEST EDITION OF ADA STANDARDS AND GUIDELINES, DESIGN STANDARDS AND PROWAG.
22. AFTER ALL NEW CONSTRUCTION IS COMPLETE CONTRACTOR SHALL PRESSURE WASH HARDSCAPE AREAS WITHIN PROJECT LIMITS.
23. DAMAGE TO ADJACENT ROADS, WALKS AND OTHER EXISTING FACILITIES CAUSED BY CONTRACTORS OPERATIONS SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER.
24. MATERIALS AND PRODUCTS SPECIFIED BY THE NAME OF THE MANUFACTURER OR TRADE NAME OR BRAND ESTABLISH A STANDARD AND SHALL BE THE BASIS OF THE BID. SUBSTITUTIONS OF EQUAL OR BETTER VALUE MAY BE PROPOSED IN WRITING TO THE LANDSCAPE ARCHITECT FOR CONSIDERATION. NO SUBSTITUTIONS MAY BE MADE WITHOUT PRIOR DISCUSSION WITH AND APPROVAL FROM THE ENGINEER/LANDSCAPE ARCHITECT. VISIBLE HARDWARE AND MATERIALS ARE SUBJECT TO THE ENGINEER/LANDSCAPE ARCHITECT'S FIELD APPROVAL.
25. CONCRETE FINISHES AS SHOWN IN PLANS ESTABLISH A STANDARD AND SHALL BE THE BASIS OF THE BID. REFINEMENT OF FINISHES THROUGH SAMPLE AND MOCK-UP APPROVAL SHOULD BE ANTICIPATED AND THE PROCESS INCLUDED IN THE BID AND CONSTRUCTION SCHEDULE. SUBSTITUTION OF METHOD MAY BE PROPOSED FOR CONSIDERATION VIA THE SAMPLE/MOCK-UP APPROVAL PROCESS, HOWEVER, THE INITIAL AESTHETIC SELECTION WILL BE MAINTAINED.
26. SEE L-805 FOR INVASIVE SPECIES REMOVAL REQUIREMENTS.
27. ALL FINISHES AND FURNISHINGS PART OF PHASE 2 ARE TO MATCH THOSE AS BUILT IN PHASE 1; CONTRACTOR TO CONSULT PROJECT ENGINEER/OWNER'S REPRESENTATIVE FOR DIRECTION IF CONTRADICTIONS OR ABSENCE OF INFORMATION IS ENCOUNTERED.

25 W. Cedar Street, Suite 200
Pensacola, FL 32502

PENSACOLA
FLORIDA'S FIRST & FUTURE

BRUCE BEACH PARK
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PHASE TWO

DATE	DESCRIPTION
05/22/2023	ISSUE FOR BID

HDR Project Number: 10279441

Sheet Name
GENERAL NOTES

Scale
NTS

Sheet Number
L-100

BRUCE BEACH PARK EXISTING TREE INVENTORY

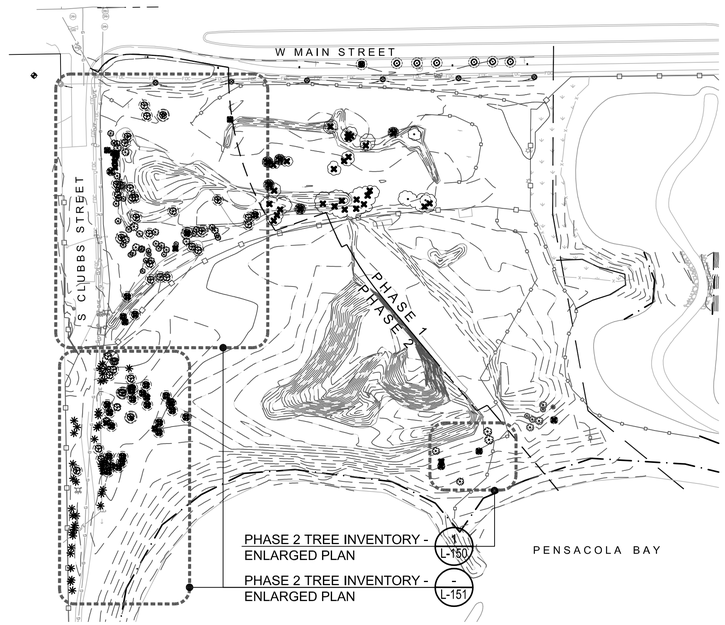
#	SCIENTIFIC	COMMON	DBH	PROTECTED	HERITAGE	INVASIVE	REMOVED	PHASE	NOTES
1	QUERCUS HEMISPHAERICA	DARLINGTON OAK	18	x				2	DOUBLE
2	QUERCUS HEMISPHAERICA	DARLINGTON OAK	12	x				2	DOUBLE
3	SABAL PALMETTO	CABBAGE PALM	12					2	
4	QUERCUS GEMINATA	SAND OAK	50	x	x			2	TRIPLE
5	SABAL PALMETTO	CABBAGE PALM	5				x	2	
6	SABAL PALMETTO	CABBAGE PALM	12					2	
7	SABAL PALMETTO	CABBAGE PALM	12					2	
8	SABAL PALMETTO	CABBAGE PALM	15					2	
9	SABAL PALMETTO	CABBAGE PALM	12				x	2	
10	SABAL PALMETTO	CABBAGE PALM	12				x	2	PH 1 DEMO
11	SABAL PALMETTO	CABBAGE PALM	14				x	2	PH 1 DEMO
12	SABAL PALMETTO	CABBAGE PALM	10				x	2	PH 1 DEMO
13	SABAL PALMETTO	CABBAGE PALM	16				x	2	
14	SABAL PALMETTO	CABBAGE PALM	13					2	
15	QUERCUS HEMISPHAERICA	DARLINGTON OAK	12	x				2	
16	QUERCUS HEMISPHAERICA	DARLINGTON OAK	8	x				2	
17	SABAL PALMETTO	CABBAGE PALM	9					2	
18	QUERCUS HEMISPHAERICA	DARLINGTON OAK	13	x				2	
19	SABAL PALMETTO	CABBAGE PALM	12					2	
20	SABAL PALMETTO	CABBAGE PALM	12					2	
21	QUERCUS VIRGINIANA	LIVE OAK	28	x				2	DOUBLE
22	CARYA ILLINOENSIS	PECAN	12	x				2	
23	SABAL PALMETTO	CABBAGE PALM	14					2	
24	SABAL PALMETTO	CABBAGE PALM	12				x	2	PH 1 DEMO
25	SABAL PALMETTO	CABBAGE PALM	9				x	2	PH 1 DEMO
26	SABAL PALMETTO	CABBAGE PALM	16					2	
27	CHAMAECYPARIS THYOIDES	WHITE CEDAR	18	x				2	
28	SABAL PALMETTO	CABBAGE PALM	10					2	
29	QUERCUS NIGRA	WATER OAK	8					2	
30	QUERCUS NIGRA	WATER OAK	12					2	
31	QUERCUS NIGRA	WATER OAK	30					2	DOUBLE
32	SABAL PALMETTO	CABBAGE PALM	16					2	
33	SABAL PALMETTO	CABBAGE PALM	13					2	
34	SABAL PALMETTO	CABBAGE PALM	12					2	
35	SABAL PALMETTO	CABBAGE PALM	13					2	
36	QUERCUS GEMINATA	SAND OAK	38	x	x			2	
37	SABAL PALMETTO	CABBAGE PALM	15					2	
38	SABAL PALMETTO	CABBAGE PALM	12					2	
39	SABAL PALMETTO	CABBAGE PALM	14					2	
40	SABAL PALMETTO	CABBAGE PALM	12					2	
41	SABAL PALMETTO	CABBAGE PALM	10					2	
42	SABAL PALMETTO	CABBAGE PALM	12					2	
43	SABAL PALMETTO	CABBAGE PALM	12					2	
44	SABAL PALMETTO	CABBAGE PALM	10					2	
45	SABAL PALMETTO	CABBAGE PALM	9					2	
46	SABAL PALMETTO	CABBAGE PALM	10					2	
47	SABAL PALMETTO	CABBAGE PALM	10					2	
48	QUERCUS GEMINATA	SAND OAK	12	x				2	
49	SABAL PALMETTO	CABBAGE PALM	13					2	
50	QUERCUS HEMISPHAERICA	DARLINGTON OAK	12	x				2	
51	QUERCUS HEMISPHAERICA	DARLINGTON OAK	12	x				2	
52	QUERCUS HEMISPHAERICA	DARLINGTON OAK	10	x				2	
53	QUERCUS NIGRA	WATER OAK	12					2	
54	SABAL PALMETTO	CABBAGE PALM	13					2	
55	SABAL PALMETTO	CABBAGE PALM	12					2	
56	SABAL PALMETTO	CABBAGE PALM	12					2	
57	SABAL PALMETTO	CABBAGE PALM	11					2	
58	SABAL PALMETTO	CABBAGE PALM	13					2	
59	SABAL PALMETTO	CABBAGE PALM	10					2	
60	SABAL PALMETTO	CABBAGE PALM	10				x	2	
61	SABAL PALMETTO	CABBAGE PALM	9					2	
62	QUERCUS NIGRA	WATER OAK	18					2	
63	QUERCUS VIRGINIANA	LIVE OAK	28	x				2	
64	QUERCUS VIRGINIANA	LIVE OAK	40	x	x		x	2	DECEASED
65	SABAL PALMETTO	CABBAGE PALM	14					2	
66	QUERCUS NIGRA	WATER OAK	12					2	
67	QUERCUS NIGRA	WATER OAK	17					2	
68	SABAL PALMETTO	CABBAGE PALM	12					2	
69	QUERCUS GEMINATA	SAND OAK	28	x	x			2	TRIPLE
70	SABAL PALMETTO	CABBAGE PALM	10					2	
71	SABAL PALMETTO	CABBAGE PALM	12					2	
72	SABAL PALMETTO	CABBAGE PALM	13					2	
73	SABAL PALMETTO	CABBAGE PALM	10					2	
74	SABAL PALMETTO	CABBAGE PALM	11					2	
75	QUERCUS NIGRA	WATER OAK	12				x	2	
76	QUERCUS SPP	OAK	12	x				2	
77	QUERCUS SPP	OAK	12	x				2	
78	QUERCUS SPP	OAK	12	x			x	2	
79	QUERCUS HEMISPHAERICA	DARLINGTON OAK	24	x			x	2	
80	SABAL PALMETTO	CABBAGE PALM	18					2	
81	SABAL PALMETTO	CABBAGE PALM	18					2	
82	QUERCUS HEMISPHAERICA	DARLINGTON OAK	46	x	x			2	TRIPLE
83	SABAL PALMETTO	CABBAGE PALM	18					2	
84	SABAL PALMETTO	CABBAGE PALM	18					2	
85	SABAL PALMETTO	CABBAGE PALM	18					2	
86	QUERCUS NIGRA	WATER OAK	18					2	
87	SABAL PALMETTO	CABBAGE PALM	18					2	
88	QUERCUS NIGRA	WATER OAK	12					2	
89	SABAL PALMETTO	CABBAGE PALM	18					2	
90	SABAL PALMETTO	CABBAGE PALM	18					2	
91	SABAL PALMETTO	CABBAGE PALM	18					2	
92	QUERCUS HEMISPHAERICA	DARLINGTON OAK	18	x				2	
93	QUERCUS HEMISPHAERICA	DARLINGTON OAK	6				x	2	
94	QUERCUS NIGRA	WATER OAK	15				x	2	
95	QUERCUS HEMISPHAERICA	DARLINGTON OAK	6					2	
96	QUERCUS GEMINATA	SAND OAK	24	x	x			2	
97	QUERCUS NIGRA	WATER OAK	10				x	2	
98	CARYA ILLINOENSIS	PECAN	17	x			x	1	
99	CARYA ILLINOENSIS	PECAN	17	x			x	1	
100	SABAL PALMETTO	CABBAGE PALM	12				x	1	
101	CARYA ILLINOENSIS	PECAN	15	x			x	1	
102	TRIADICA SEBIFERA	CHINESE TALLOW	10			x	x	1	
103	PRUNUS CAROLINIANA	CHERRY LAUREL					x	1	

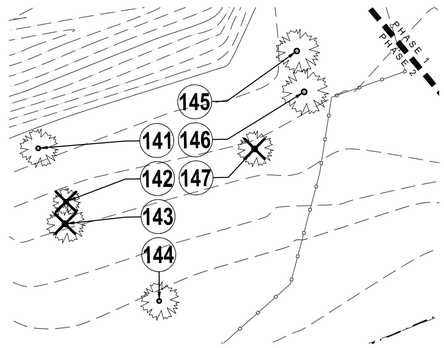
BRUCE BEACH PARK EXISTING TREE INVENTORY

#	SCIENTIFIC	COMMON	DBH	PROTECTED	HERITAGE	INVASIVE	REMOVED	PHASE	NOTES
104	MELIA AZEDARACH	CHINA BERRY				x	x	1	
105	MELIA AZEDARACH	CHINA BERRY				x	x	1	
106	QUERCUS SPP	OAK	12	x			x	1	
107	SABAL PALMETTO	CABBAGE PALM	16				x	1	
108	SABAL PALMETTO	CABBAGE PALM	16				x	1	
109	SABAL PALMETTO	CABBAGE PALM	14				x	1	
110	SABAL PALMETTO	CABBAGE PALM	14				x	1	
111	SABAL PALMETTO	CABBAGE PALM	14				x	1	
112	QUERCUS NIGRA	WATER OAK	19				x	1	DISEASED
113	SABAL PALMETTO	CABBAGE PALM	12				x	1	
114	SABAL PALMETTO	CABBAGE PALM	12				x	1	
115	SABAL PALMETTO	CABBAGE PALM	16				x	1	
116	SABAL PALMETTO	CABBAGE PALM	12				x	1	
117	SABAL PALMETTO	CABBAGE PALM	12				x	1	
118	QUERCUS HEMISPHAERICA	DARLINGTON OAK	12	x			x	1	
119	SABAL PALMETTO	CABBAGE PALM	10				x	1	
120	SABAL PALMETTO	CABBAGE PALM	10				x	1	
121	MELIA AZEDARACH	CHINA BERRY	12			x	x	1	
122	MELIA AZEDARACH	CHINA BERRY	10			x	x	1	
123	MELIA AZEDARACH	CHINA BERRY	10			x	x	1	
124	QUERCUS SPP	OAK	20	x			x	1	
125	SABAL PALMETTO	CABBAGE PALM	10					1	
126	SABAL PALMETTO	CABBAGE PALM	10					1	
127	QUERCUS VIRGINIANA	LIVE OAK	8	x			x	1	
128	QUERCUS VIRGINIANA	LIVE OAK	8	x				1	
129	QUERCUS VIRGINIANA	LIVE OAK	8	x				1	
130	QUERCUS VIRGINIANA	LIVE OAK	8	x				1	
131	QUERCUS VIRGINIANA	LIVE OAK	8	x				1	
132	QUERCUS VIRGINIANA	LIVE OAK	8	x				1	
133	QUERCUS VIRGINIANA	LIVE OAK	8	x				1	
134	QUERCUS HEMISPHAERICA	DARLINGTON OAK	8	x				1	
135	QUERCUS HEMISPHAERICA	DARLINGTON OAK	6					1	
136	MELIA AZEDARACH	CHINA BERRY	8			x	x	1	
137	MELIA AZEDARACH	CHINA BERRY	8			x	x	1	
138	MELIA AZEDARACH	CHINA BERRY	3			x	x	1	
139	MELIA AZEDARACH	CHINA BERRY	8			x	x	1	
140	MELIA AZEDARACH	CHINA BERRY	3			x	x	1	
141	SABAL PALMETTO	CABBAGE PALM	14					2	
142	SABAL PALMETTO	CABBAGE PALM	10				x	2	
143	SABAL PALMETTO	CABBAGE PALM	14				x	2	
144	SABAL PALMETTO	CABBAGE PALM	14					2	
145	SABAL PALMETTO	CABBAGE PALM	16					2	
146	SABAL PALMETTO	CABBAGE PALM	17					2	
147	SABAL PALMETTO	CABBAGE PALM	13				x	2	
148	SABAL PALMETTO	CABBAGE PALM	10					1	
149	SABAL PALMETTO	CABBAGE PALM	12					1	
150	SABAL PALMETTO	CABBAGE PALM	15					1	
151	SABAL PALMETTO	CABBAGE PALM	14					1	
152	SABAL PALMETTO	CABBAGE PALM	14					1	
153	SABAL PALMETTO	CABBAGE PALM	8					1	
154	SABAL PALMETTO	CABBAGE PALM	10					1	
155	SABAL PALMETTO	CABBAGE PALM	14				x	1	
156	QUERCUS NIGRA	WATER OAK	18				x	2	W/ INVASIVE
157	QUERCUS HEMISPHAERICA	DARLINGTON OAK	6				x	2	
158	QUERCUS HEMISPHAERICA	DARLINGTON OAK	6				x	2	
159	QUERCUS NIGRA	WATER OAK	6				x	2	
160	QUERCUS NIGRA	WATER OAK	8				x	2	
161	QUERCUS NIGRA	WATER OAK	18				x	2	
162	QUERCUS NIGRA	WATER OAK	35				x	2	TRIPLE
163	QUERCUS NIGRA	WATER OAK	8				x	2	
164	CHAMAECYPARIS THYOIDES	WHITE CEDAR	15	x			x	2	
165	QUERCUS HEMISPHAERICA	DARLINGTON OAK	8	x			x	2	
166	SABAL PALMETTO	CABBAGE PALM	12				x	2	
167	QUERCUS VIRGINIANA	LIVE OAK	15	x				2	
168	QUERCUS VIRGINIANA	LIVE OAK	60	x	x			2	DOUBLE
169	QUERCUS HEMISPHAERICA	DARLINGTON OAK	6					2	
170	QUERCUS HEMISPHAERICA	DARLINGTON OAK	10	x				2	TOPPED
171	QUERCUS HEMISPHAERICA	DARLINGTON OAK	10	x				2	
172	SABAL PALMETTO	CABBAGE PALM	18					2	
173	SABAL PALMETTO	CABBAGE PALM	18					2	
174	SABAL PALMETTO	CABBAGE PALM	18					2	
175	SABAL PALMETTO	CABBAGE PALM	18					2	
176	SABAL PALMETTO	CABBAGE PALM	18					2	
177	QUERCUS HEMISPHAERICA	DARLINGTON OAK	18	x				2	DOUBLE
178	QUERCUS NIGRA	WATER OAK	10					2	
179	QUERCUS VIRGINIANA	LIVE OAK	18	x				2	
180	SABAL PALMETTO	CABBAGE PALM	18					2	
181	SABAL PALMETTO	CABBAGE PALM	18				x	2	
182	SABAL PALMETTO	CABBAGE PALM	18				x	2	
183	QUERCUS HEMISPHAERICA	DARLINGTON OAK	10	x			x	2	DECEASED
184	CHAMAECYPARIS THYOIDES	WHITE CEDAR	10	x			x	2	
185	QUERCUS NIGRA	WATER OAK	10				x	2	
186	SABAL PALMETTO	CABBAGE PALM	18				x	2	
187	SABAL PALMETTO	CABBAGE PALM	18				x	2	
188	SABAL PALMETTO	CABBAGE PALM	18				x	2	
189	SABAL PALMETTO	CABBAGE PALM	18				x	2	
190	QUERCUS NIGRA	WATER OAK	12				x	2	
191	QUERCUS HEMISPHAERICA	DARLINGTON OAK	15	x			x	2	
192	QUERCUS HEMISPHAERICA	DARLINGTON OAK	12	x			x	2	
193	QUERCUS GEMINATA	SAND OAK	8	x			x	2	
194	QUERCUS HEMISPHAERICA	DARLINGTON OAK	10	x			x	2	
195	SABAL PALMETTO	CABBAGE PALM	18				x	2	
196	SABAL PALMETTO	CABBAGE PALM	18				x	2	
197	SABAL PALMETTO	CABBAGE PALM	18					2	
198	QUERCUS HEMISPHAERICA	DARLINGTON OAK	45	x	x			2	TRIPLE
199	SABAL PALMETTO	CABBAGE PALM	18					2	
200	SABAL PALMETTO	CABBAGE PALM	18					2	
201	SABAL PALMETTO	CABBAGE PALM	18				x	2	
202	SABAL PALMETTO	CABBAGE PALM	18					2	
203	SABAL PALMETTO	CABBAGE PALM	18					2	
204	SABAL PALMETTO	CABBAGE PALM	18					2	
205	SABAL PALMETTO	CABBAGE PALM	18					2	
206	SABAL PALMETTO	CABBAGE PALM	18					2	

BRUCE BEACH PARK EXISTING TREE INVENTORY

#	SCIENTIFIC	COMMON	DBH	PROTECTED	HERITAGE	INVASIVE	REMOVED	PHASE	NOTES
207	SABAL PALMETTO	CABBAGE PALM	18					2	
208	SABAL PALMETTO	CABBAGE PALM	18					2	
209	SABAL PALMETTO	CABBAGE PALM	18					2	
210	SABAL PALMETTO	CABBAGE PALM	18					2	
211	SABAL PALMETTO	CABBAGE PALM	18					2	
212	SABAL PALMETTO	CABBAGE PALM	18					2	
213	SABAL PALMETTO	CABBAGE PALM	18					2	
214	SABAL PALMETTO	CABBAGE PALM	18					2	
215	SABAL PALMETTO	CABBAGE PALM	18					2	





1 TREE DISPOSITION - PHASE 2 EAST
1" = 20'-0"

TREE REMOVAL AND REPLACEMENT SUMMARY

	PHASE 1	PHASE 2	TOTAL
TREES REMOVED	34	50	84
PROTECTED TREES REMOVED	7	12	19
TOTAL DBH PROTECTED SPECIES REMOVED	101	179	280
NUMBER OF REPLACEMENT TREES REQUIRED	22	38	60
NUMBER OF REPLACEMENT TREES PROPOSED (CH 12-6 APPENDIX B SPECIES)	87	120	207

NOTES:
1. SEE L-800 PLANTING SERIES FOR REPLACEMENT QUANTITY/SPECIES
2. SEE DETAIL 1, SHEET L-851 FOR TREE PROTECTION FENCING DETAIL

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Pensacola, FL 32502

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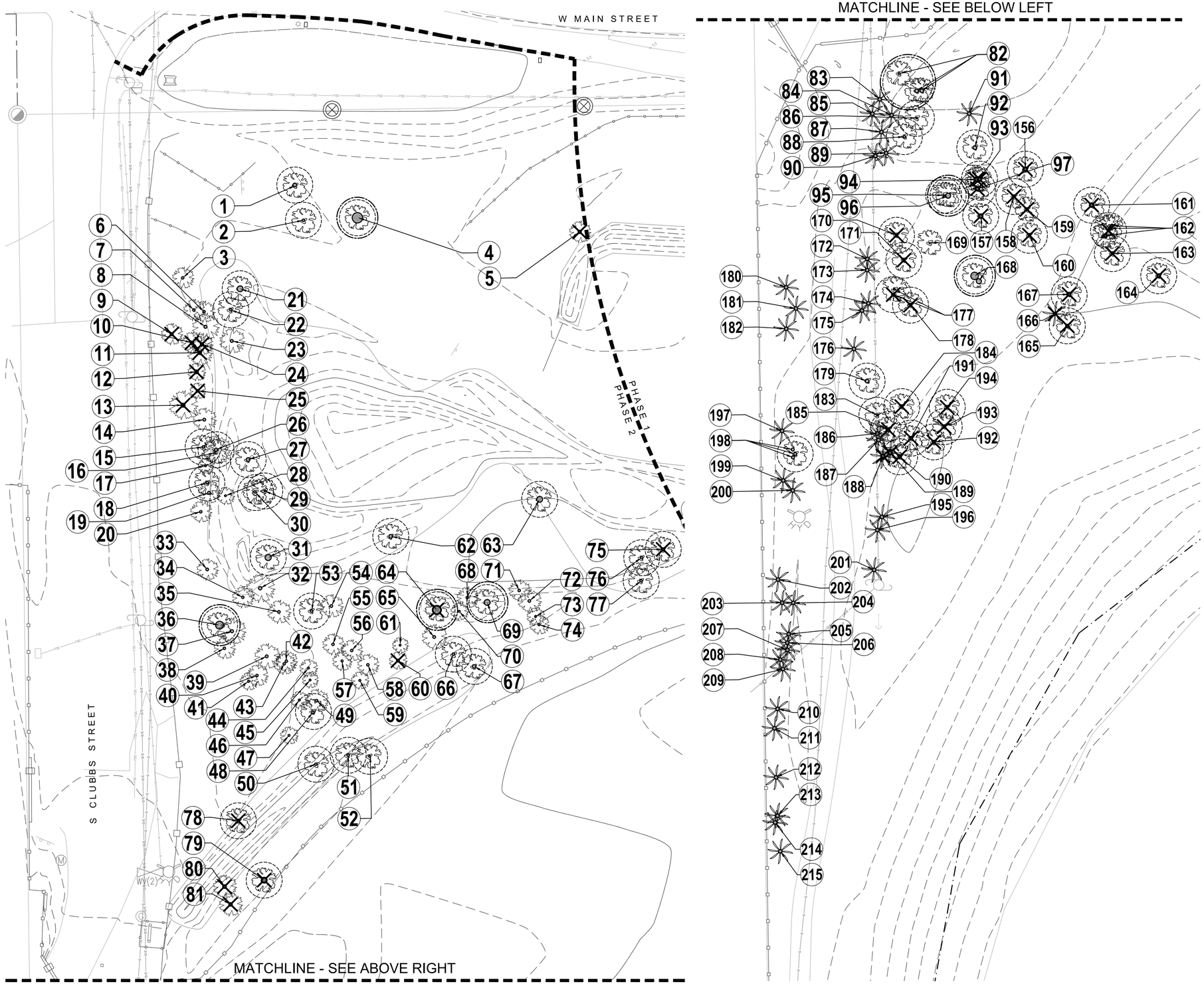
Sheet Name
TREE INVENTORY AND REPLACEMENT SUMMARY

Scale
N/A

Sheet Number
L-150



TREE INVENTORY KEY

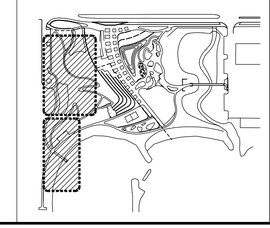
- TRUNK OF EXISTING TREE (DBH)
- EXISTING TREE
- EXISTING PALM TREE
- TREE TO BE REMOVED
- PROTECTED TREE
- HERITAGE TREE
- # TREE SURVEY NUMBER

TREE INVENTORY NOTES

1. SEE SHEET L-150 FOR TREE SPECIES, SIZE, AND DISPOSITION.
2. SEE REMOVAL AND REPLACEMENT TABLE ON SHEET L-150.
3. ALL TREE WORK TO COMPLY WITH CITY OF PENSACOLA CODE OF ORDINANCES, CHAPTER 12 SECTION 12-6-1 TREE/LANDSCAPE REGULATIONS.
4. TREE DISPOSITIONS SUBJECT TO CHANGE PER REVIEW BY CITY ARBORIST; CONFIRM PRIOR TO REMOVAL.
5. PHASE 2 TREE ASSESSMENT DIFFERS FROM PHASE 1 GIVEN ADDITIONAL RECENT SURVEY INFORMATION RECEIVED. DISPOSITION, SPECIES, LOCATION AND SIZE OF TREES 98-155 REMAIN UNCHANGED.
6. TREES 9-12, 24 & 25 WITHIN PHASE 2 WERE REMOVED AS PART OF PHASE 1 UTILITY CORRIDOR CONSTRUCTION.
7. GROUPINGS OF TREES AND EXISTING VEGETATION TO REMAIN ARE TO BE CLEARED OF EXISTING DEBRIS BY HAND WITHIN CANOPY LINE. ANY APPARENT INVASIVE VINES AND UNDERSTORY PLANTS SHALL BE ERADICATED WITHOUT DAMAGE TO TREES TO REMAIN. BROKEN OR LOW BRANCHES OR UPLIFTED ROOTS THAT COULD PRESENT RISK TO PARK USERS TO BE PRUNED AS APPROPRIATE. MAINTAIN 8' CLEARANCE AT ALL PROPOSED PATHWAYS. CONTACT CITY ARBORIST FOR REVIEW AND APPROVAL OF PLANNED PRUNING OF ALL PROTECTED TREES.
8. SEE L-851 FOR TREE PROTECTION FENCING DETAIL.
9. AT ALL TIMES, HEAVY FOOT, VEHICLE AND EQUIPMENT TRAFFIC TO REMAIN OUTSIDE OF THE DRIPLINE OF EXISTING TREES DESIGNATED TO REMAIN.

20 0 20 40

KEY PLAN



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25 W. Cedar Street, Suite 200
Pensacola, FL 32502

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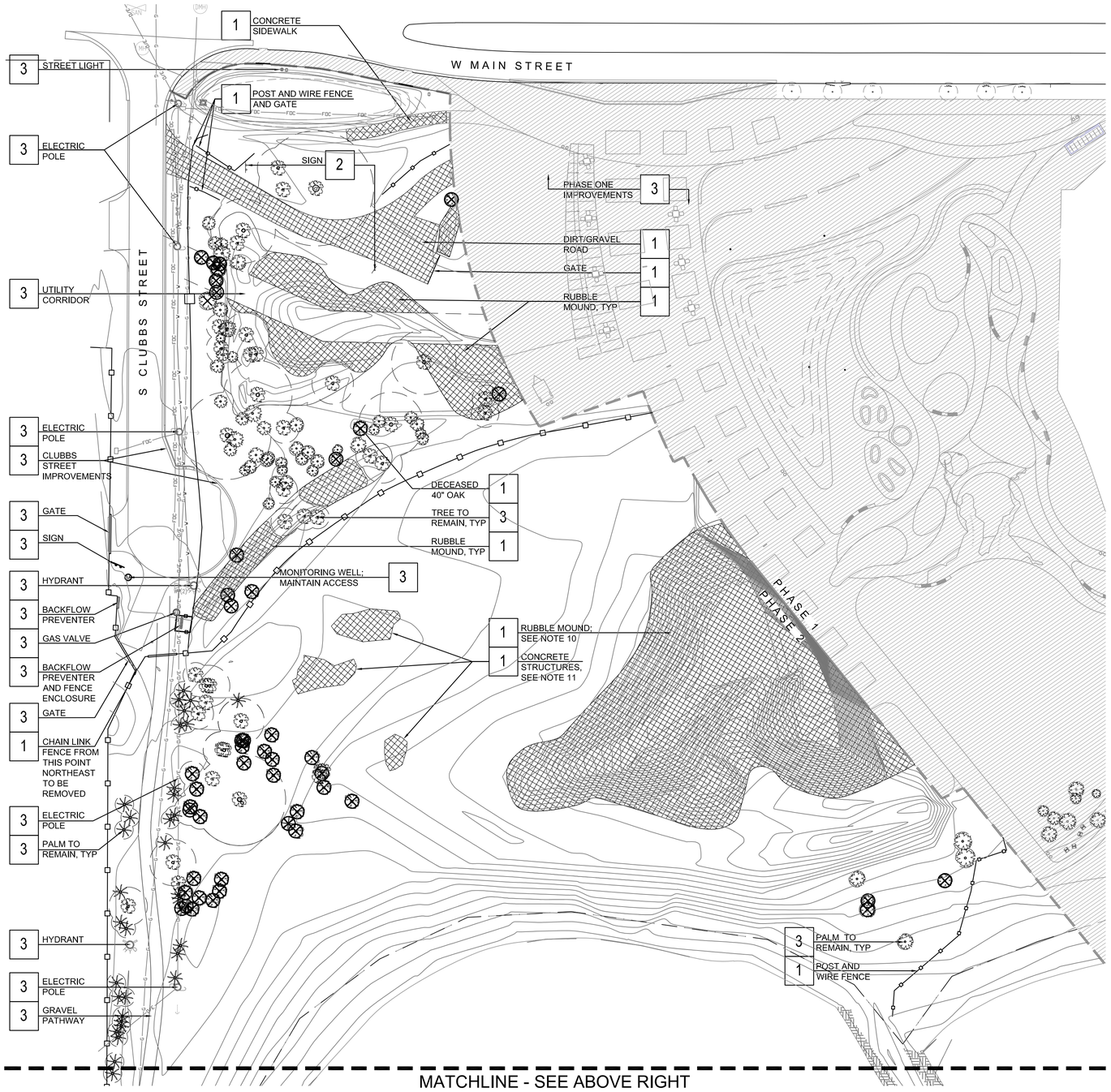
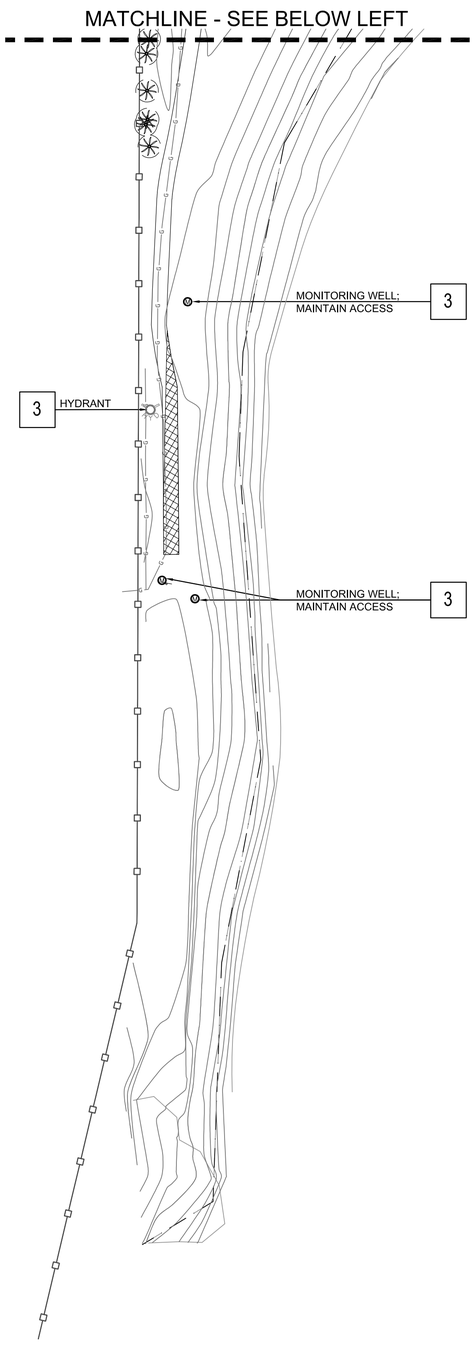
Sheet Name
PHASE 2
TREE INVENTORY

Scale
1" = 20'-0"

Sheet Number
L-151





DEMOLITION KEY

DEMOLISH AND REMOVE

1 TO BE REMOVED BY CONTRACTOR

2 TO BE REMOVED BY CONTRACTOR AND RETURNED TO CITY

3 TO REMAIN AS-IS; PROTECT FROM DAMAGE DURING CONSTRUCTION

4 TO BE REMOVED AND RELOCATED BY CONTRACTOR

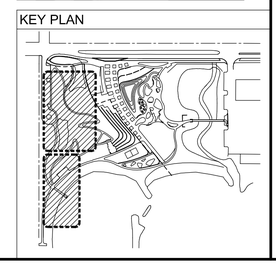
5 UTILITY TO BE RELOCATED BY UTILITY AGENCY

DEMOLITION NOTES

1. REFER TO SHEET L-100 FOR GENERAL NOTES AND SHEET L-450 FOR DRAINAGE NOTES.
2. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING ALL UTILITY AND INFRASTRUCTURE LOCATIONS AND ELEVATIONS.
3. ALL UTILITY INFRASTRUCTURE NOT NOTED FOR REMOVAL TO REMAIN IN PLACE.
4. TREE REMOVAL IS TO COMPLY WITH CITY OF PENSACOLA TREE/LANDSCAPE REGULATIONS, TITLE XII CHAPTER 12-6, CURRENT EDITION. SEE TREE INVENTORY AND REPLACEMENT, L-150.
5. EXISTING REGULATORY SIGNAGE TO BE SALVAGED FROM SITE AND RETURNED TO CITY.
6. INVASIVE SPECIES EXISTING ON SITE TO BE ERADICATED, EVEN IF NOT PRESENT IN SURVEY DATA OR REPRESENTED IN DEMO PLANS. REMOVED MATERIAL TO BE RESPONSIBLY DISPOSED OF OFF-SITE.
7. ALL EXISTING RUBBLE AND DEBRIS SHALL BE CLEARED FROM SITE BY CONTRACTOR, AND DISPOSED OF APPROPRIATELY.
8. STOCKPILING MATERIAL ON SITE PERMISSIBLE; CONFIRM ALTERNATE LOCATION WITH CITY REPRESENTATIVE.
9. SEE L-202 FOR FENCING.
10. LARGE RUBBLE AREAS TO BE CLEARED OF MANMADE ITEMS AND DEBRIS; EARTHWORK TO BE REUSED ON SITE.
11. MISCELLANEOUS CONCRETE STRUCTURES TO BE REMOVED AND DISPOSED OF OFF-SITE. SITE REVIEW IS RECOMMENDED AS OTHER MISCELLANEOUS DEBRIS TO REMOVE MAY BE PRESENT.

40 0 40 80

KEY PLAN



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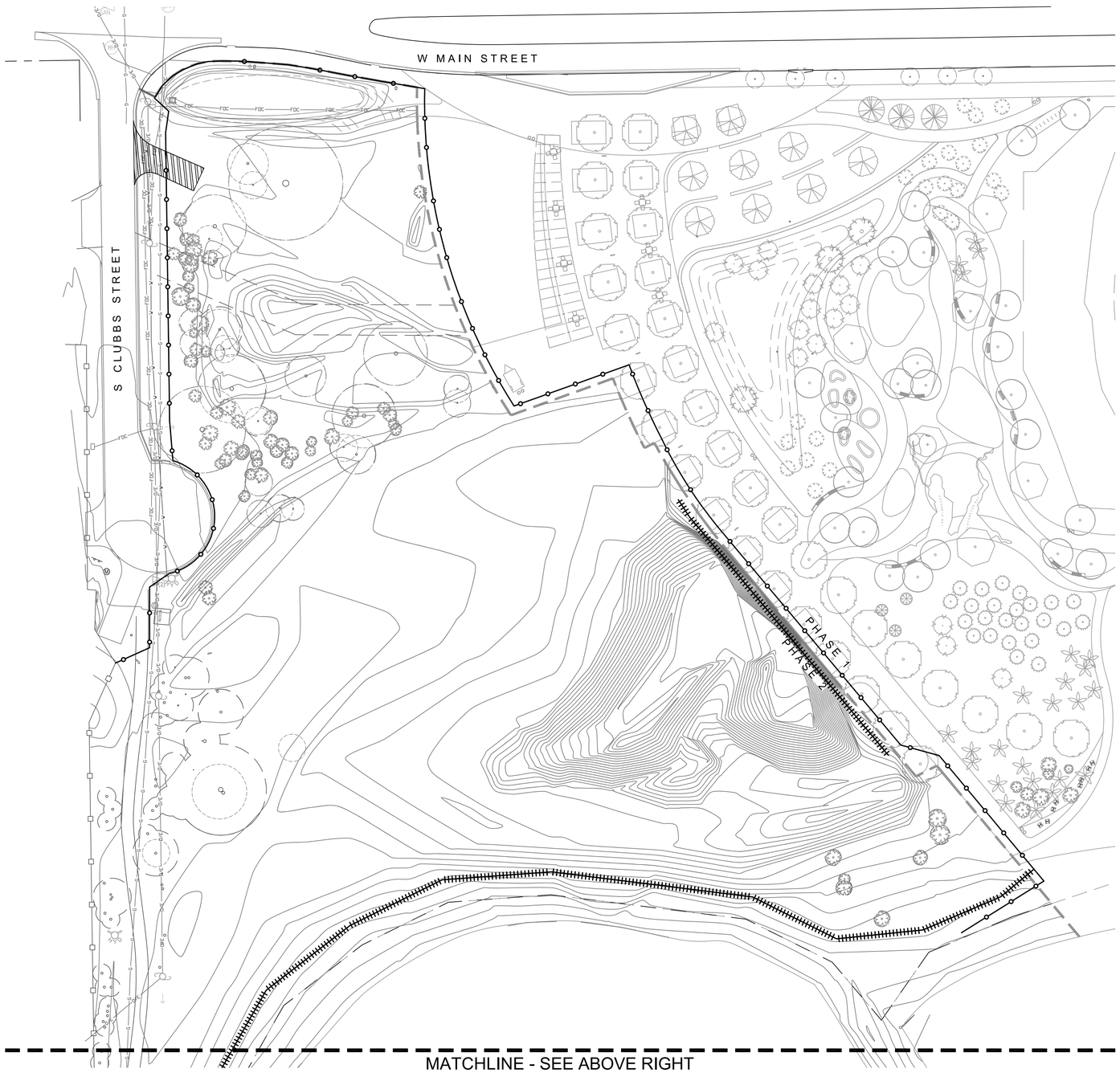
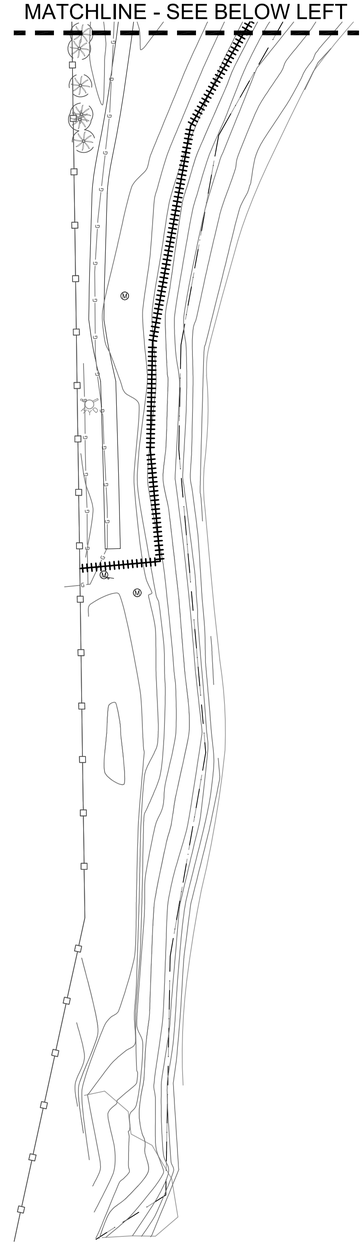
Sheet Name
OVERALL DEMOLITION PLAN

Scale
1" = 40'-0"

Sheet Number
L-201





KEY

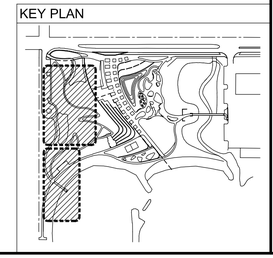
- CONSTRUCTION ENTRANCE
- SILT FENCE
- TEMPORARY CONSTRUCTION FENCE
- EXISTING FENCE TO REMAIN

FENCING NOTES

1. CONTRACTOR TO PROVIDE 6' TALL TEMPORARY CHAINLINK CONSTRUCTION FENCING TO SECURE THE SITE; MAY TIE INTO EXISTING FENCING TO CREATE SECURE PERIMETER.
2. FENCE PLACEMENT IS DIAGRAMMATIC AND MAY VARY SLIGHTLY FROM SHOWN TO SUIT CONTRACTOR OPERATIONS AND FIELD CONDITIONS.
3. FENCING ALIGNMENT AND INSTALLATION SHALL NOT ADVERSELY IMPACT PHASE 1 IMPROVEMENTS, CLUBBS STREET IMPROVEMENTS, AND ALL APPLICABLE WETLAND BOUNDARIES AND SETBACKS.
4. SEE SHEET L-454 FOR SWPP AND STANDARD SILT FENCE DETAIL.

40 0 40 80

KEY PLAN



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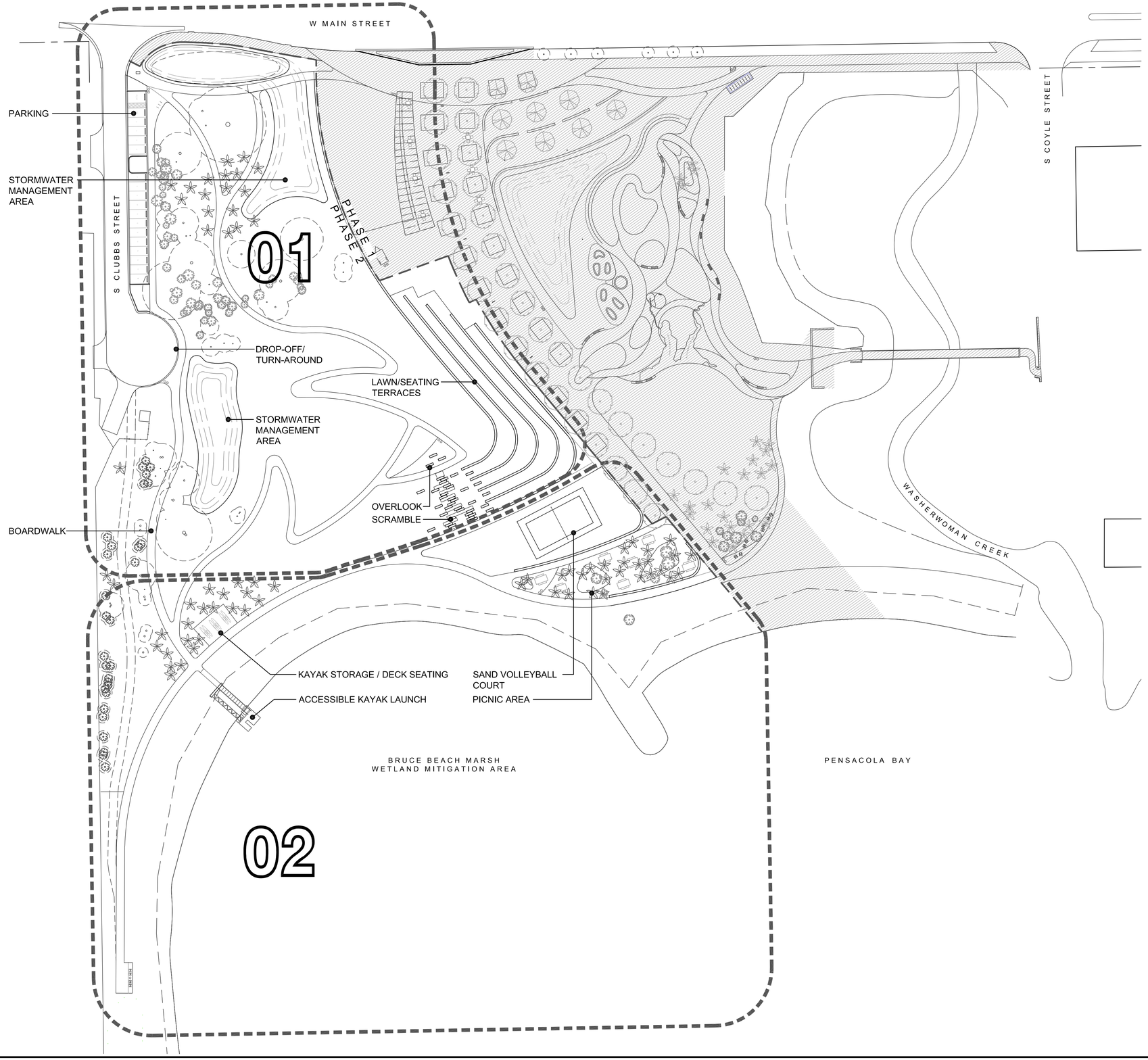
Sheet Name
CONSTRUCTION ACCESS & FENCING

Scale
1" = 40'-0"

Sheet Number
L-202



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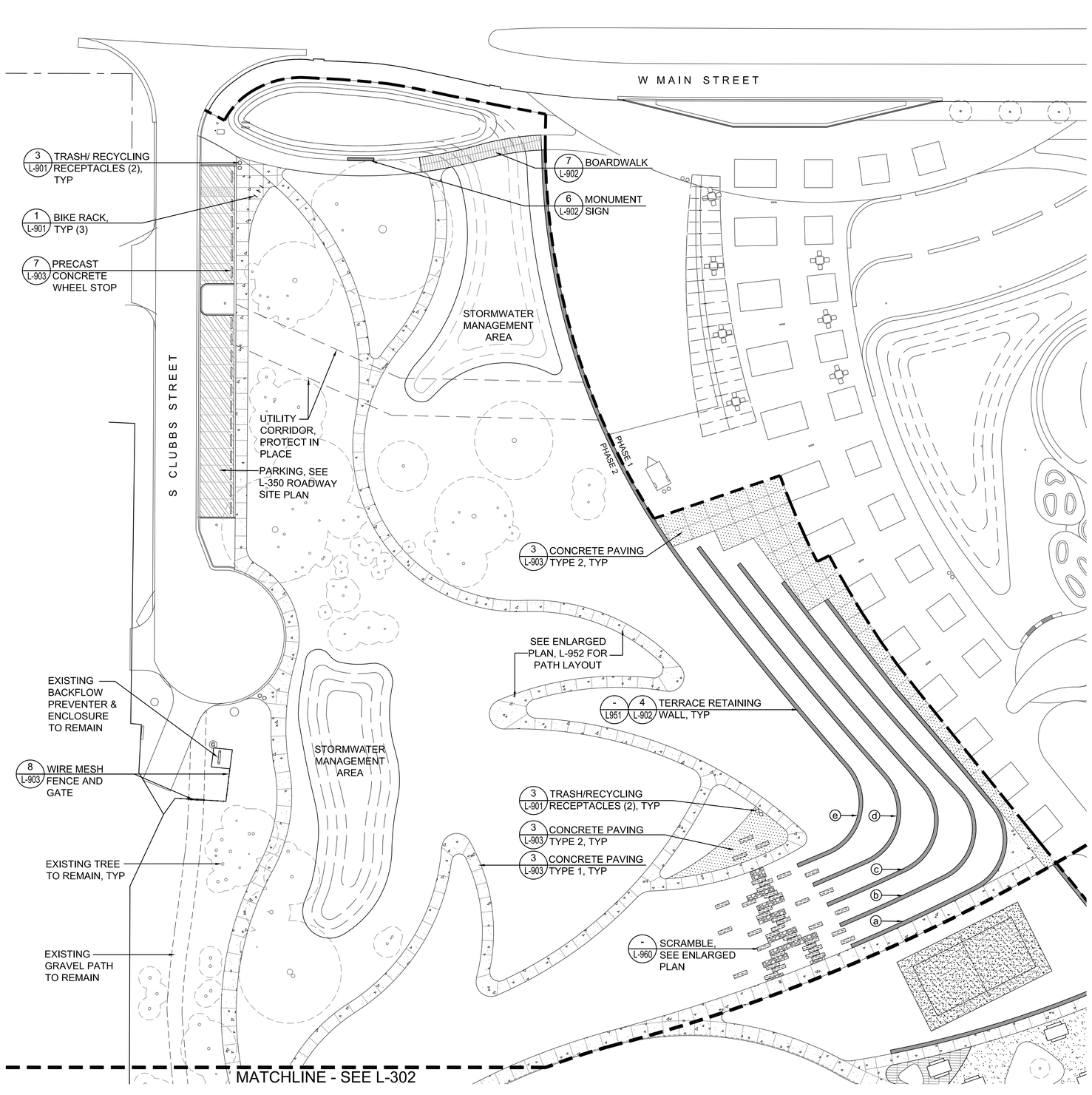
Sheet Name
OVERALL SITE PLAN

Scale
1" = 50'-0"

Sheet Number
L-300

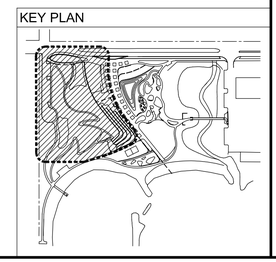


PHASE 2
LAYOUT & MATERIALS KEY

- ASPHALT
- BOARDWALK/DECK
- TYPE 1: BROOM FINISH PEDESTRIAN CONCRETE
- TYPE 2: ROCK SALT FINISH PEDESTRIAN CONCRETE
- BROOM FINISH VEHICULAR CONCRETE
- SCRAMBLE BLOCKS
- GRAVEL
- SAND
- SPORTS SAND
- SITE WALL
- PICNIC TABLE
- LOUNGE CHAIR
- BIKE RACKS
- TRASH & RECYCLING RECEPTACLES
- WALL DESIGNATION

30 0 30 60

KEY PLAN



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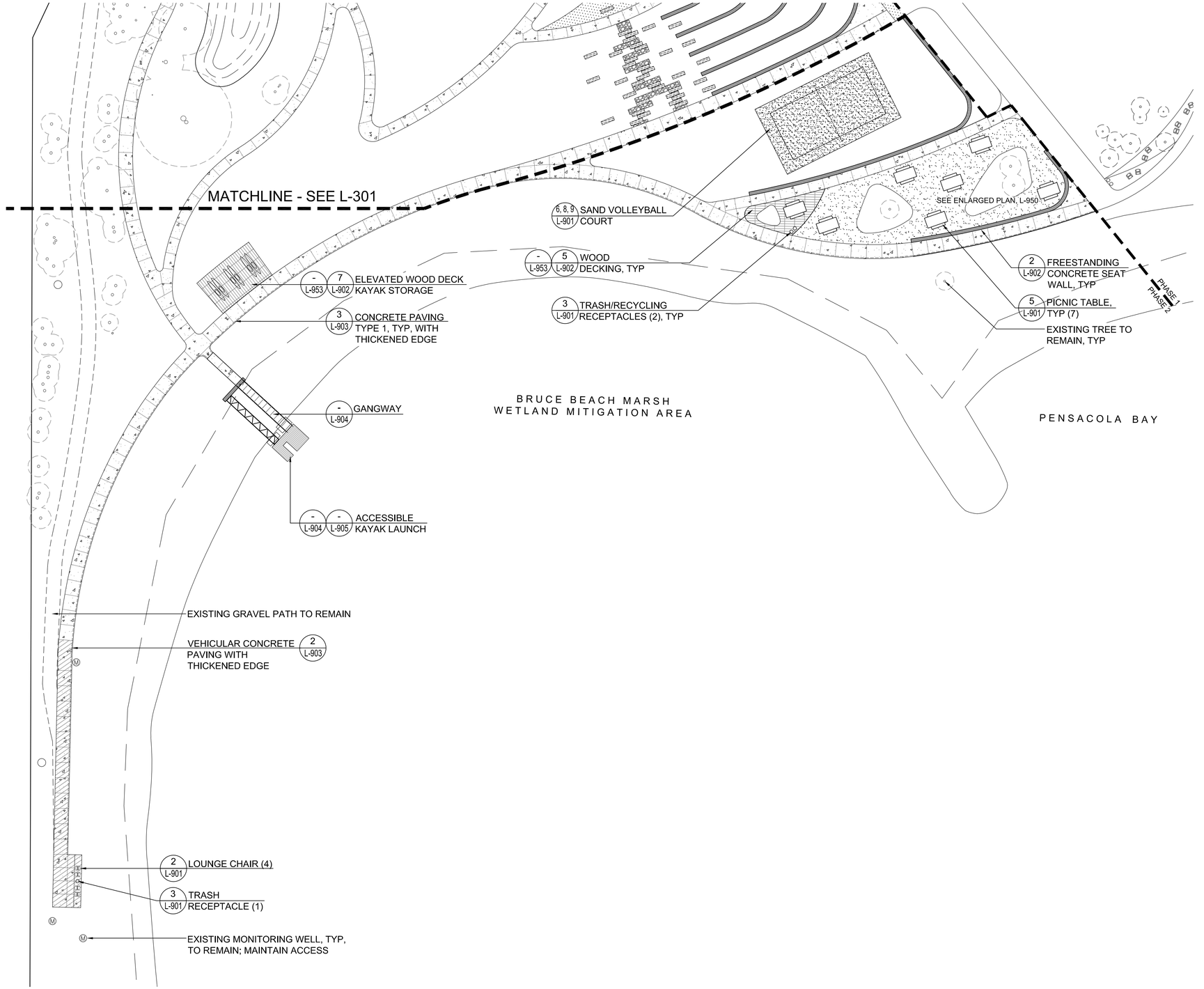
Sheet Name
LAYOUT AND STAKING PLAN - AREA 1

Scale
1" = 30'-0"

Sheet Number
L-301

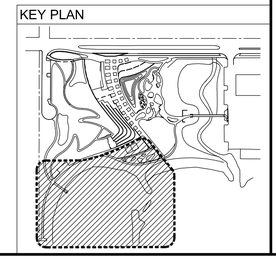


PHASE 2
LAYOUT & MATERIALS KEY

- ASPHALT
- BOARDWALK/DECK
- TYPE 1: BROOM FINISH PEDESTRIAN CONCRETE
- TYPE 2: ROCK SALT FINISH PEDESTRIAN CONCRETE
- BROOM FINISH VEHICULAR CONCRETE
- SCRAMBLE BLOCKS
- GRAVEL
- SAND
- SPORTS SAND
- SITE WALL
- PICNIC TABLE
- LOUNGE CHAIR
- BIKE RACKS
- TRASH & RECYCLING RECEPTACLES
- (X) WALL DESIGNATION

30 0 30 60

KEY PLAN



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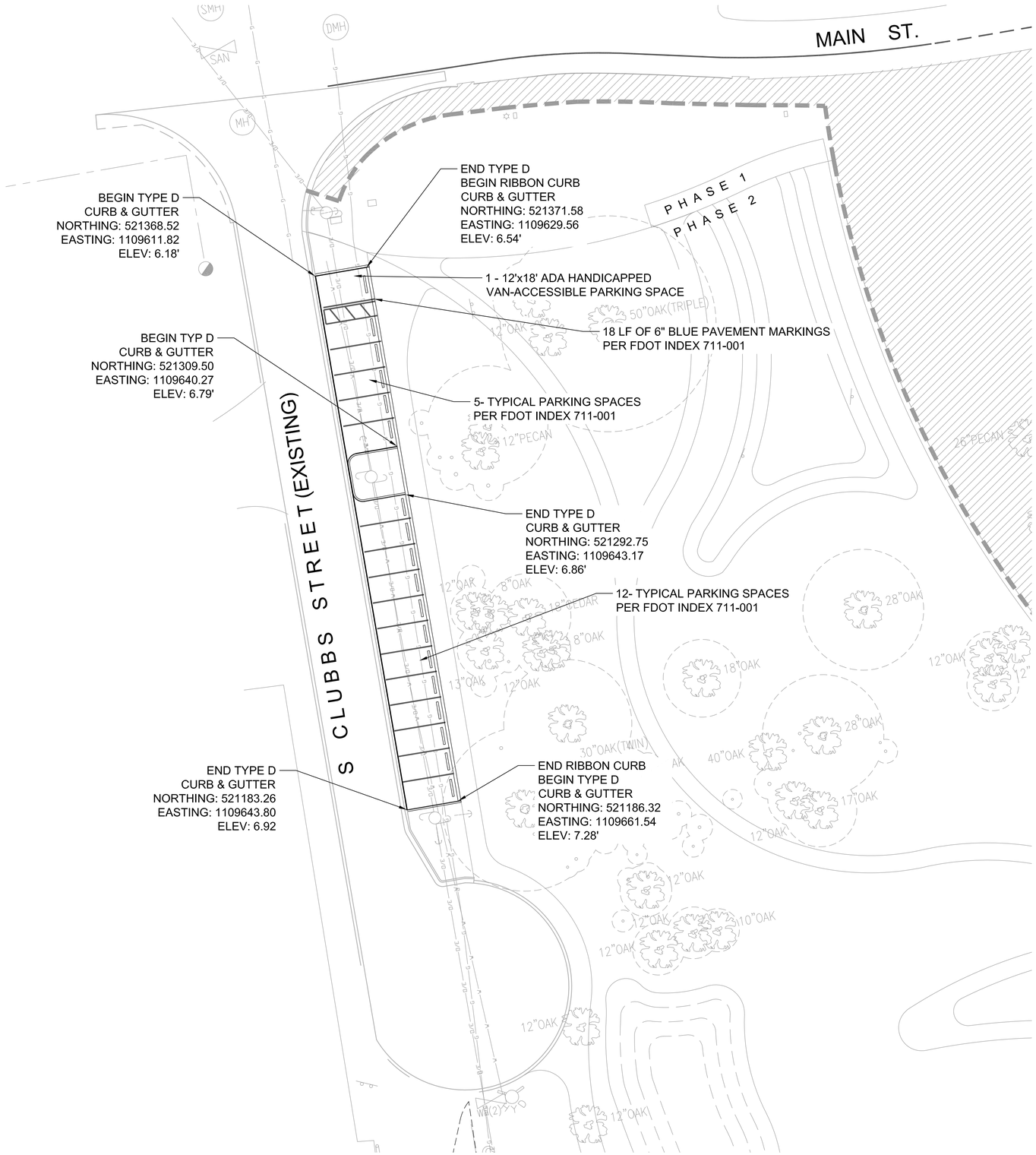
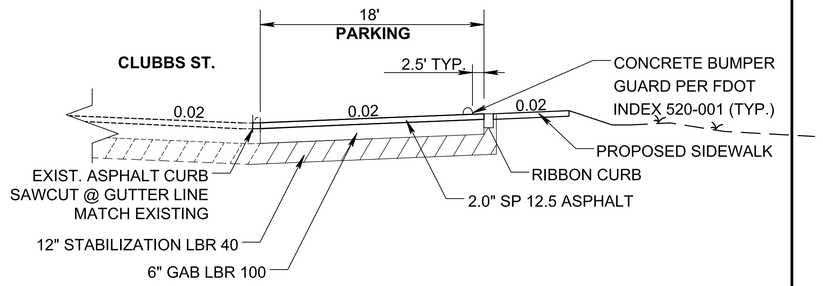
HDR Project Number: 10279441

Sheet Name
LAYOUT AND STAKING PLAN - AREA 2

Scale
1" = 30'-0"

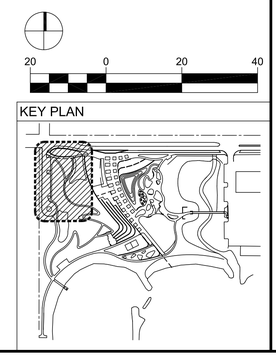
Sheet Number
L-302





TYPICAL SECTION
PARKING AREA
CLUBBS ST.
N.T.S.

NOTE:
1. PROVIDE 2' LONG VERTICAL TRANSITION ALONG TYPE D CURB AT CONNECTION TO RIBBON CURB.



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FLORIDA'S FIRST & FUTURE

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PHASE TWO

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HDR Project Number: 10279441

Sheet Name
ROADWAY SITE PLAN DETAILS

Scale
1" = 20'-0"

Sheet Number
L-350

GRADING PLAN KEY

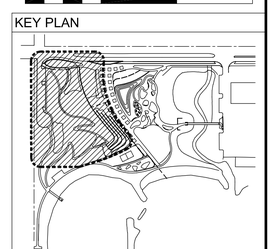
- STORMWATER MANAGEMENT AREA: REFER TO C-450 DRAWING SERIES
- PROPOSED CONTOURS
- EXISTING CONTOURS
- 0.7% FLOW ARROW WITH SLOPE PERCENTAGE

GRADING NOTES

1. GRADED SLOPES SHALL NOT EXCEED 3:1.
2. CROSS SLOPES ON ALL WALKWAYS AND PLAZAS SHALL NOT EXCEED 2%.

30 0 30 60

KEY PLAN



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GRADING PLAN - AREA 1

Scale
1" = 30'-0"

Sheet Number
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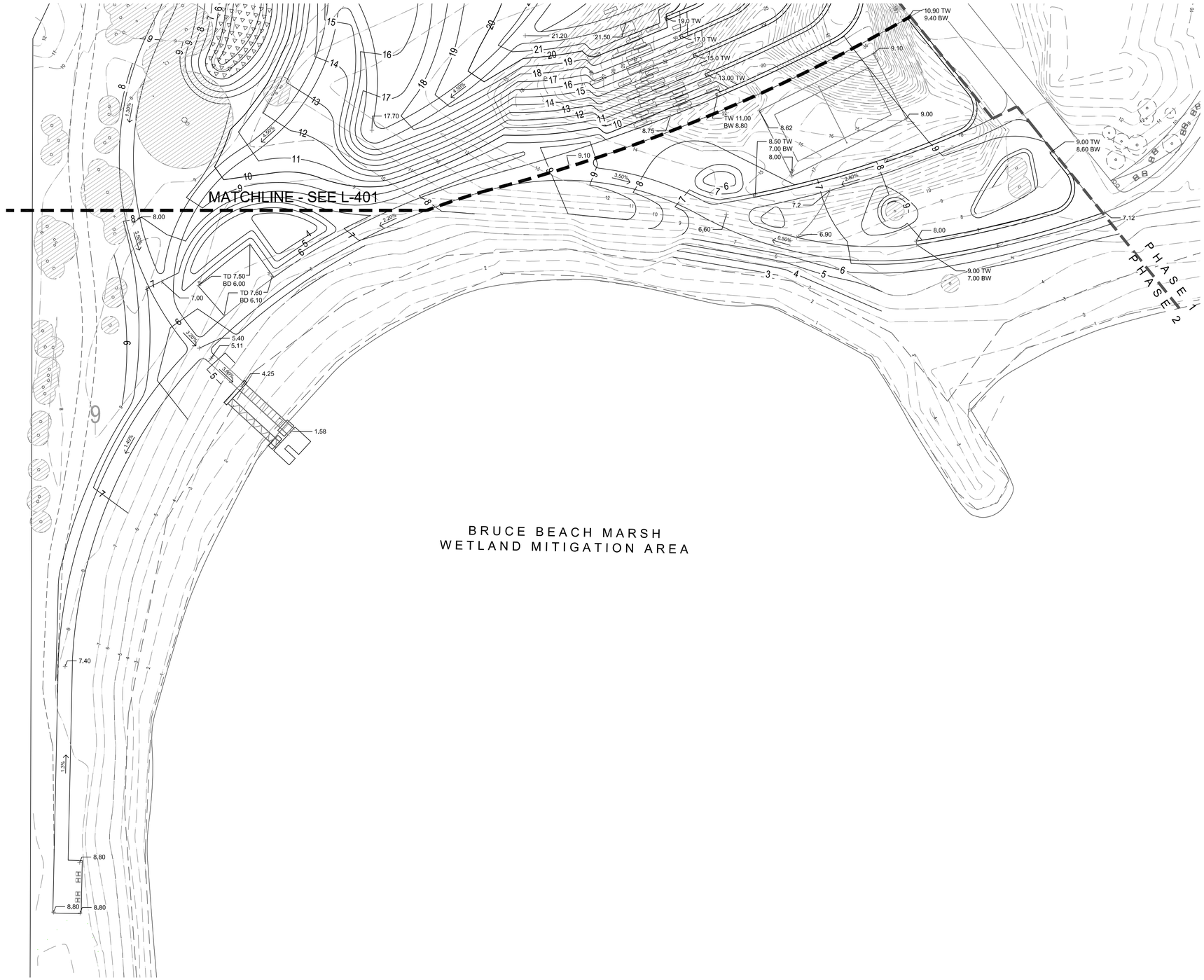


GRADING PLAN KEY

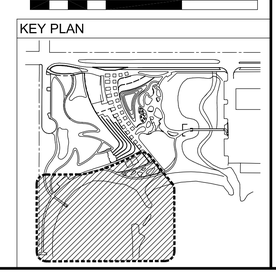
- STORMWATER MANAGEMENT AREA: REFER TO C-450 DRAWING SERIES
- PROPOSED CONTOURS
- EXISTING CONTOURS
- 0.7% FLOW ARROW WITH SLOPE PERCENTAGE

GRADING NOTES

1. GRADED SLOPES SHALL NOT EXCEED 3:1.
2. CROSS SLOPES ON ALL WALKWAYS, PLAZAS, AND THE PLAYGROUND SHALL NOT EXCEED 2%.

30 0 30 60

KEY PLAN



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GRADING PLAN - AREA 2

Scale
1" = 30'-0"

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L-402

TRANS MONTAINGE

S CLUBBS STREET

EX-1
CONVERT EXIST. DBI
TOP TO FDOT
MANHOLE TYPE 8
INDEX 425-001
TOP EL. 4.00
EX. FL: -1.06 (N & E)

S-105
CONST. DBI TYPE E
W/ CAST IRON GRATE
MODIFIED W/ SKIMMER
NORTHING: 521296.96
EASTING: 1109813.31
INDEX 425-052, 425-070
TOP EL. 5.00'
WEIR EL. 4.85'
FL. 2.50' (NW, SE)

CONST. 4" UNDERDRAIN
MAINTENANCE/ CLEANOUT
PORT W/ THREADED CAP
CAP EL. 4.00'
BOTTOM INVERT EL. 2.75'

1:5

POND 3

CONST. 20 LF OF
4" UNDERDRAIN

EXISTING
24" PIPE

S-105

CONNECT 8" PIPE TO EXIST.
MANHOLE CONSTRUCTED IN PHASE I
FL. 2.20 (SE)

S-108

CONST. DBI TYPE C
W/ SKIMMER
W/ CAST IRON GRATE
NORTHING: 521111.58
EASTING: 1109750.42
INDEX 425-052, 425-070
TOP EL. 7.00'
FL. 2.90' (NE, SW)

CONST. 56 LF
OF 18" RCP

S-103

TIE 18" PIPE TO TEMP.
PLUGGED MANHOLE
CONSTRUCTED IN PHASE I
FL 2.20 (SW & NW)

CONST. MAINTENANCE/CLEANOUT
PORT W/ THREADED CAP
CAP EL. 9.50'
BOTTOM INVERT EL. 4.00'

PHASE 1
PHASE 2

CONST. NDS 24"x24"
CATCH BASIN W/
CAST IRON GRATE
2 OUTLET
OR APPROVED EQUAL
N: 521217.28
E: 1109936.20
TOP EL. 8.80'
INVERT EL. 5.30'

CONST. 50 LF
OF 8" PIPE

CONST. 52 LF
OF 8" PIPE

CONST. 50 LF
OF 8" PIPE

CONST. 4" UNDERDRAIN
MAINTENANCE/CLEANOUT
PORT W/ THREADED CAP
CAP EL. 8.90'
BOTTOM INVERT EL. 6.75'

BEGIN SHALLOW SWALE
(SEE DETAIL THIS SHEET)
EL. 7.00

END SHALLOW SWALE
(SEE DETAIL THIS SHEET)
EL. 6.50

CONST. 175 LF
OF 18" RCP

S-108

S-106

CONST. 15 LF OF
4" UNDERDRAIN

POND 2

S-107

CONST. 180 LF
OF 18" RCP

CONST. 258 LF OF
4" UNDERDRAIN AT 0.5% SLOPE
SEE DETAIL THIS SHEET

CONST. 1
MAINTENANCE/CLEANOUT
PORT EVERY 150 LF ALONG
UNDERDRAIN

CONST. DBI TYPE C
N: 520970.78
E: 1110037.12
FDOT INDEX 425-052
TOP EL. 6.00'
BOTTOM INVERT EL. 3.50' (W)

BEGIN 8" TRENCH DRAIN
N: 521007.16
E: 1110233.27
TOP EL. 8.07'

CONST. 28 LF OF 8" ADA
COMPLIANT TRENCH DRAIN
W/ DUCTILE IRON GRATE

CONST. MAINTENANCE/CLEANOUT
PORT W/ THREADED CAP
TOP EL. 7.00'
FL. 6.73' (N)
FL. 5.00' (W)

CONST. 4" UNDERDRAIN
MAINTENANCE/CLEANOUT
PORT W/ THREADED CAP
CAP EL. 6.00'
BOTTOM INVERT EL. 4.00'

S-107
CONST. 18" CD
MES 1:4
NORTHING: 521072.75
EASTING: 1109767.14
INDEX 430-021
FL. 5.00'

S-106
CONST. DBI TYPE C
W/ PAVEMENT
W/ (2) 7" NON
TRAVERSABLE SLOTS
NORTHING: 521136.70
EASTING: 1109935.37
INDEX 425-052
TOP EL. 12.67'
FL. 5.30'

CONST. MAINTENANCE/CLEANOUT
PORT W/ FLUSH THREADED CAP
TOP EL. 11.00' (MATCH GRADE)
BOTTOM INVERT EL. 8.04'

PHASE 1
PHASE 2

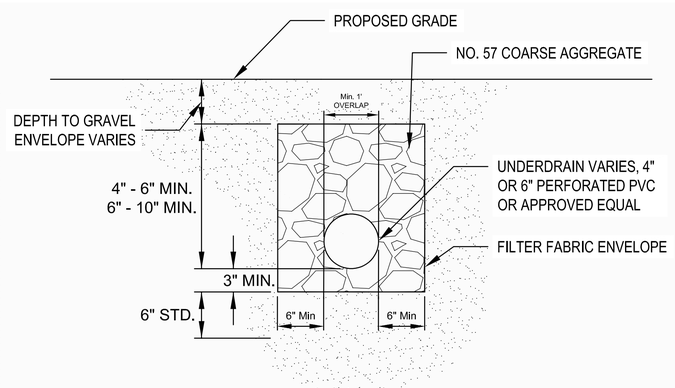
CONST. 50 LF OF
6" UNDERDRAIN
(SEE DETAIL
THIS SHEET)

CONST. MAINTENANCE/CLEANOUT
PORT W/FLUSH THREADED CAP
TOP EL. 8.50' (MATCH GRADE)
FL EL. 3.25'

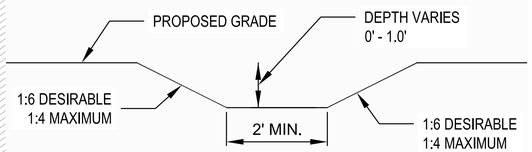
CONST. 50 LF OF
6" UNDERDRAIN
SEE DETAIL
THIS SHEET

CONST. MAINTENANCE/CLEANOUT
PORT W/ FLUSH THREADED CAP
TOP EL. 6.00' (MATCH GRADE)
FL EL. 4.50'

END 8" TRENCH DRAIN
N: 520988.72
E: 1110254.34
TOP EL. 7.10'



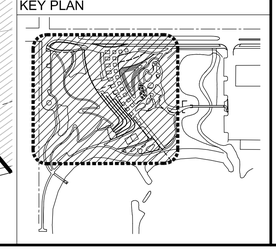
TYPICAL
UNDERDRAIN
N.T.S.



SHALLOW SWALE DETAIL
N.T.S.

30 0 30 60

KEY PLAN



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DRAINAGE PLAN

Scale
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Sheet Number
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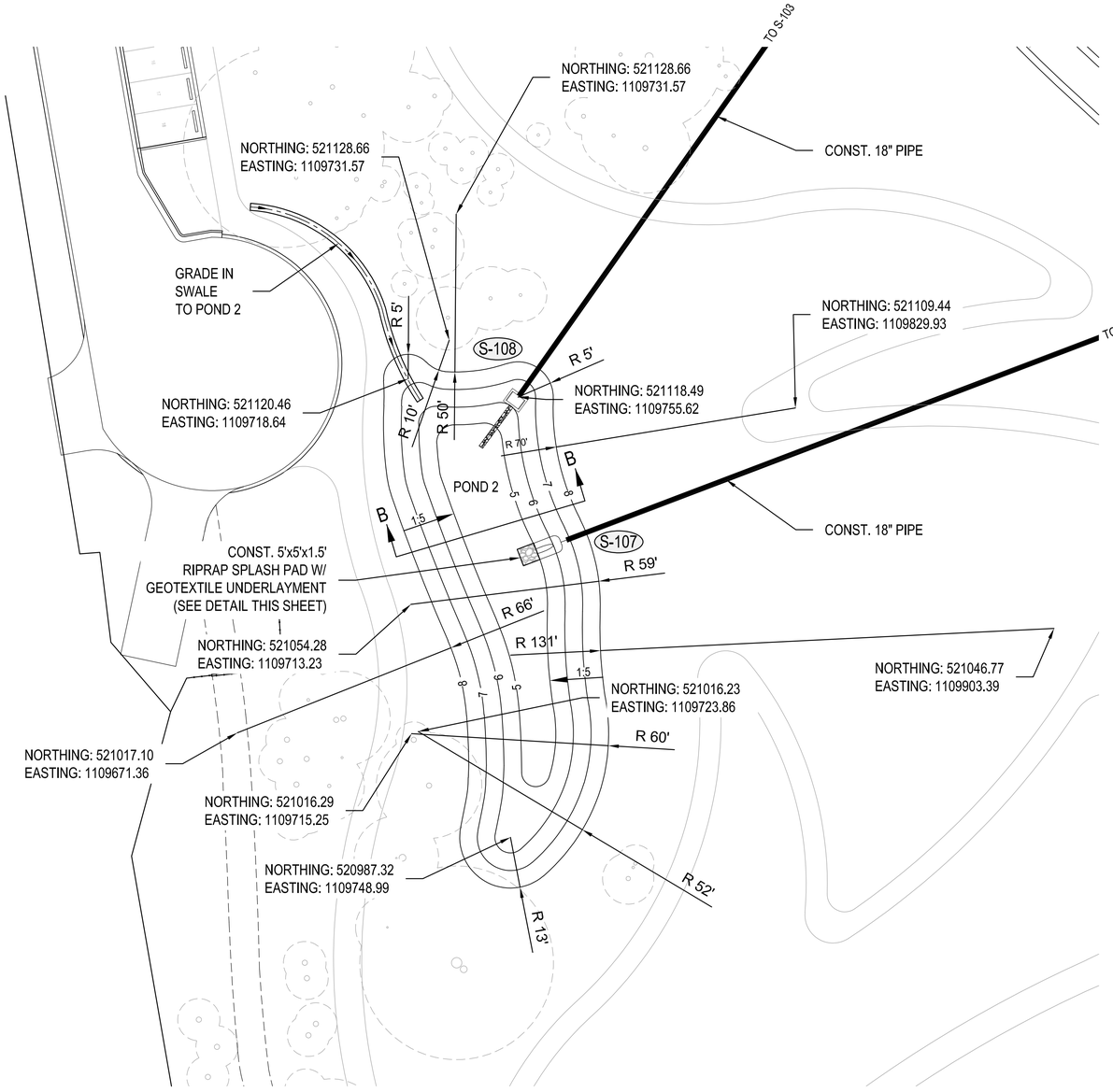
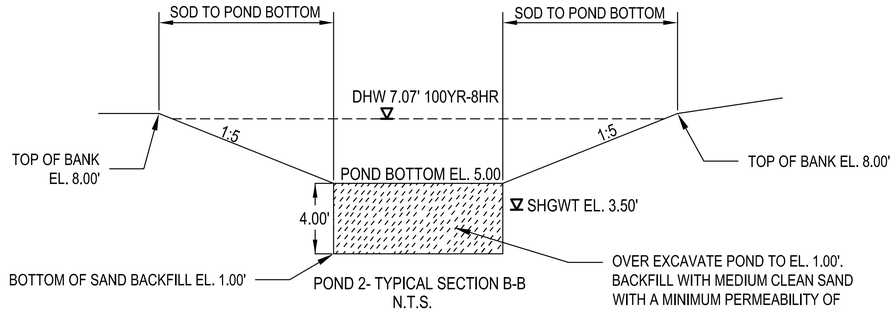
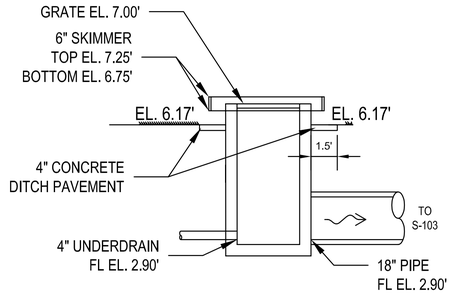
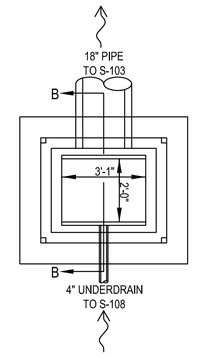




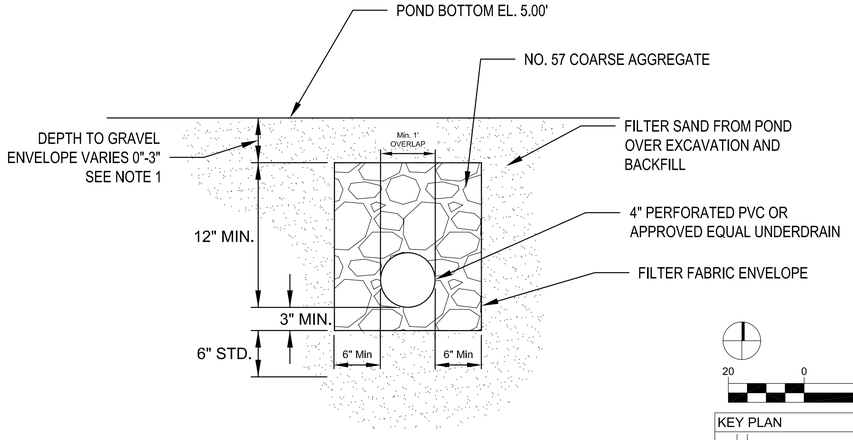
POND 2- TYPICAL SECTION B-B
N.T.S.



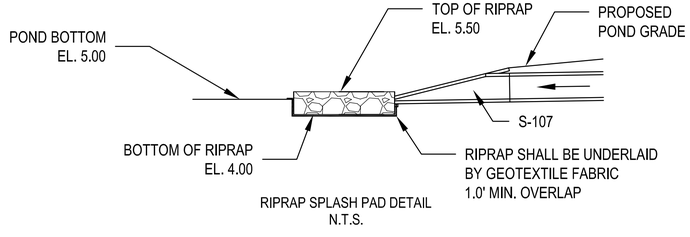
CONTROL STRUCTURE DETAIL
S-108
SECTION B-B
N.T.S.



CONTROL STRUCTURE DETAIL
S-108
PLAN VIEW
N.T.S.



POND 2
UNDERDRAIN DETAIL
N.T.S.



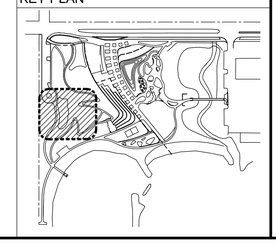
RIPRAP SPLASH PAD DETAIL
N.T.S.

NOTE 1:
THE DEPTH TO GRAVEL ENVELOPE VARIES
ALONG THE LENGTH OF THE UNDERDRAIN.

DEPTH FROM POND BOTTOM TO TOP OF GRAVEL
ENVELOPE AT THE BEGINING OF THE UNDERDRAIN IS 0".

DEPTH FROM POND BOTTOM TO TOP OF GRAVEL
ENVELOPE AT STRUCTURE CONNECTION IS 3".

KEY PLAN



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Sheet Number
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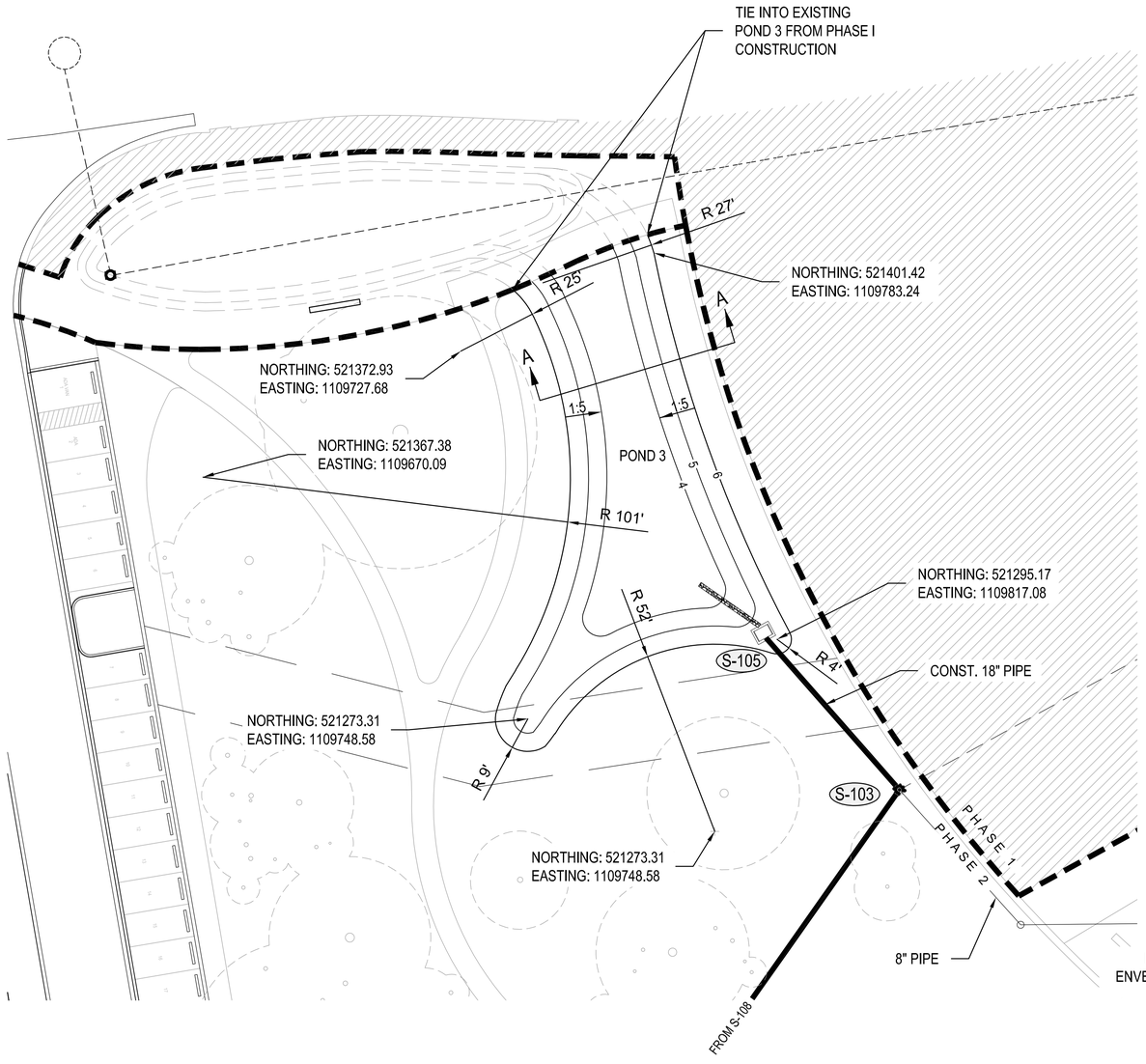
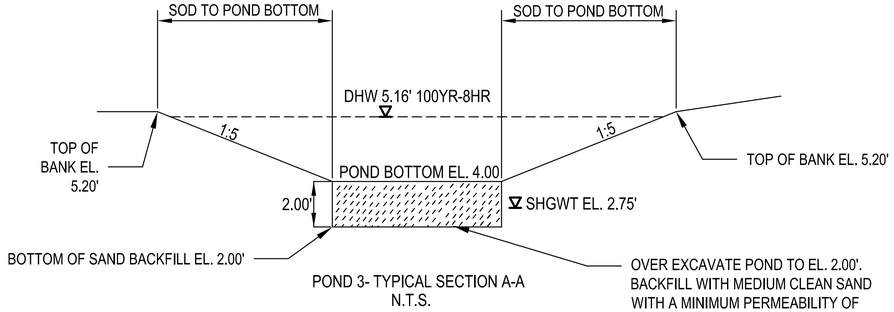
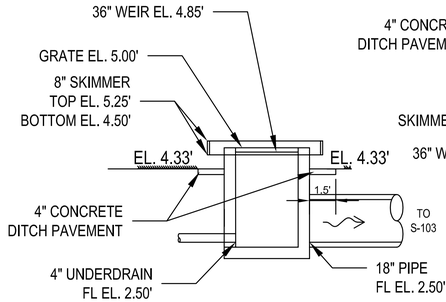
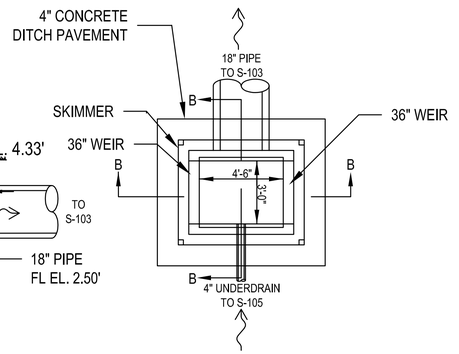




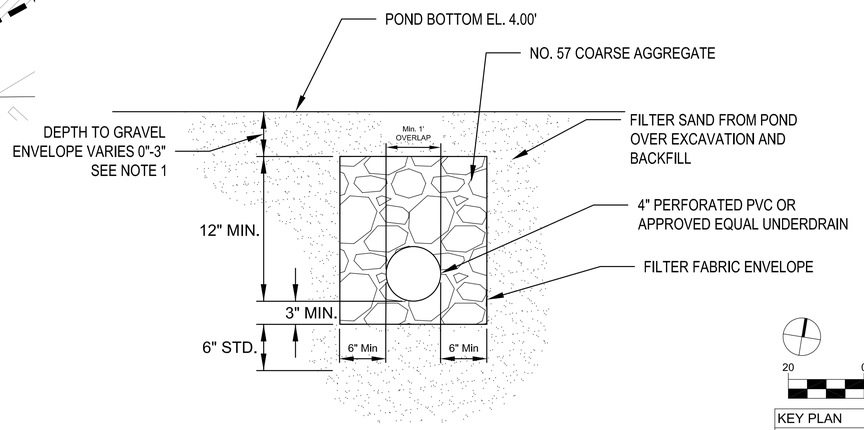
POND 3- TYPICAL SECTION A-A
N.T.S.



CONTROL STRUCTURE DETAIL
S-105
SECTION B-B
N.T.S.



CONTROL STRUCTURE DETAIL
S-105
PLAN VIEW
N.T.S.



POND 3
UNDERDRAIN DETAIL
N.T.S.

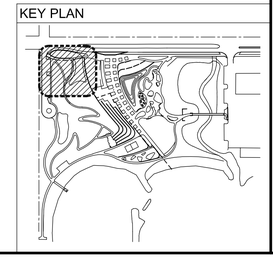
NOTE 1:
THE DEPTH TO GRAVEL ENVELOPE VARIES
ALONG THE LENGTH OF THE UNDERDRAIN.

DEPTH FROM POND BOTTOM TO TOP OF GRAVEL
ENVELOPE AT THE BEGINING OF THE UNDERDRAIN IS 0".

DEPTH FROM POND BOTTOM TO TOP OF GRAVEL
ENVELOPE AT STRUCTURE CONNECTION IS 3".

20 0 20 40

KEY PLAN



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SITE-SPECIFIC EROSION AND SEDIMENT CONTROL PLAN

THE CONTRACTOR'S PROFESSIONAL ENGINEER (PE), OR CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (PESC) WILL PREPARE AND SUBMIT A SITE-SPECIFIC EROSION AND SEDIMENT CONTROL PLAN TO CITY OF PENSACOLA FOR REVIEW AND APPROVAL PRIOR TO ANY WORK BEING PERFORMED. THE EROSION AND SEDIMENT CONTROL PLAN SHALL FOLLOW GUIDELINES DOCUMENTED IN THE STATE OF FLORIDA, EROSION AND SEDIMENT CONTROL - DESIGNER AND REVIEWER MANUAL, DATED JUNE 2007, UPDATED 2013 (http://www.fdot.govroadway/drainage/files/Erosion-Sediment-Control.pdf).

AT A MINIMUM, THE EROSION AND SEDIMENT CONTROL PLANS FOR THIS PROJECT REQUIRE SEDIMENT BARRIER TO BE PLACED WHERE THERE IS POTENTIAL FOR TURBID STORMWATER RUNOFF TO DISCHARGE OFF-SITE. INLET PROTECTION IS REQUIRED FOR ALL INLETS THAT COULD RECEIVE RUNOFF FROM DISTURBED AREAS. ARTIFICIAL COVERINGS AND TEMPORARY SLOPE DRAINS ARE REQUIRED IN AREAS WITH HIGH SLOPES. RUNOFF CONTROL STRUCTURES WILL BE REQUIRED WITHIN ALL CHANNELS. A SOIL TRACKING PREVENTION DEVICE SHALL BE INSTALLED AT POINTS OF EGRESS FROM UN-STABLIZED AREAS OF THE PROJECT TO PUBLIC ROADS WHERE OFF-SITE TRACKING OF MUD COULD OCCUR.

PAY PARTICULAR ATTENTION TO THE PROTECTION OF UPLAND BUFFERS, NON-IMPACTED WETLANDS, AND SURFACE WATERS ADJACENT TO THE LIMITS OF WORK TO PREVENT TURBID DISCHARGES TO THESE AREAS.

THE MEASURES LISTED ABOVE AND SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS WITH ADDITIONAL CONTROLS TO BE UTILIZED AS NEEDED, DEPENDENT UPON ACTUAL SITE CONDITIONS AND CONSTRUCTION OPERATIONS AND PHASING.

1. SITE DESCRIPTION:

CONSTRUCTION ACTIVITY INCLUDES NEW CONSTRUCTION, STORM SEWER, SITE GRADING, SIDEWALK, PLAY GROUND AMENITIES, AND SEDIMENT BASIN GRADING.

PROJECT LIMITS:
THE PROJECT IS LOCATED SOUTH OF MAIN STREET BETWEEN CLUBBS STREET AND S COYLE STREET IN PENSACOLA, FLORIDA

PROJECT DESCRIPTION:
CONSTRUCTION OF SIDEWALKS, PLAYGROUND EQUIPMENT, PARK AMENITIES, AND STORMWATER MANAGEMENT FACILITIES.

THE MAJOR SOIL DISTURBING ACTIVITIES INCLUDE SITE GRADING.

TOTAL AREA TO BE DISTURBED:
TOTAL SITE AREA: 7.63 AC
TOTAL IMPERVIOUS AREA: 2.60 AC
TOTAL PERVIOUS AREA: 5.03 AC

RUNOFF COEFFICIENTS:
C= 0.35 (BEFORE)
C= 0.50 (DURING)
C= 0.55 (AFTER)

(2) ESTIMATES OF SIZE OF PROJECT AREA FOR EACH OUTFALL:
WASHERWOMANS CREEK - TOTAL AREA 8.25 ACRES (INCLUDES OFFSITE FLOWS ROUTED THROUGH PROJECT AREA)

(3) LOCATIONS OF OUTFALLS:
POND OUTFALL: LAT N33° 35' 23", LONG. W79° 00' 38" (WASHERWOMANS CREEK)

(4) DESCRIPTION OF SOIL OR QUALITY OF DISCHARGE:
SOILS ARE PRIMARILY ARENTS-URBAN LAND COMPLEX.

THE CONSTRUCTION PLANS SHALL BE USED FOR THE SITE MAP.

2. CONTROLS:

TEMPORARY EROSION CONTROL MEASURES ARE SHOWN ON THE EROSION CONTROL PLANS AND PERMANENT EROSION CONTROL MEASURES ARE SHOWN IN THE CONSTRUCTION PLANS.

a. EROSION AND SEDIMENT CONTROLS:
(1) STABILIZATION PRACTICES:

- [X] TEMPORARY SODDING
- [ ] TEMPORARY GRASSING
- [X] PERMANENT PLANTING, SODDING, OR SEEDING
- [ ] TEMPORARY MULCHING
- [X] ARTIFICIAL COVERING
- [X] BUFFER ZONES
- [ ] PRESERVATION OF NATURAL RESOURCES

-LOCATION OF ARTIFICIAL COVERING IS TO BE DETERMINED BASED ON SITE CONDITIONS
-THIS LIST MAY NOT INCLUDE ALL MEASURES BASED ON ACTUAL SITE CONDITIONS

STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 14 DAYS, IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED.

OTHER:
THE CONTRACTOR IS ALSO RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE EROSION CONTROL PLAN SUBMITTED TO THE CITY.

(2) STRUCTURAL PRACTICES:

- [ ] SAND BAGGING
- [X] SEDIMENT BARRIER
- [ ] SYNTHETIC BALES
- [X] BERMS
- [ ] DIVERSION, INTERCEPTOR, OR PERIMETER DITCHES
- [X] PIPE SLOPE DRAINS
- [ ] FLUMES
- [X] ROCK BEDDING AT CONSTRUCTION EXIT
- [ ] TIMBER BEDDING AT CONSTRUCTION EXIT
- [X] RUNOFF CONTROL STRUCTURE
- [X] INLET PROTECTION
- [ ] SEDIMENT TRAPS
- [X] SEDIMENT BASINS
- [ ] STORM INLET SEDIMENT TRAP
- [ ] STONE OUTLET STRUCTURES
- [ ] CURBS AND GUTTERS
- [X] STORM SEWERS
- [ ] VELOCITY CONTROL DEVICES
- [X] FLOATING TURBIDITY BARRIER
- [X] RIPRAP
- [X] WATTLES

LOCATIONS OF SEDIMENT BASINS, STORM DRAINS, AND RIP RAP ARE SHOWN ON THE CONSTRUCTION PLANS. THIS LIST MAY NOT INCLUDE ALL CONTROL MEASURES. ACTUAL SITE CONDITIONS MAY REQUIRE ADDITIONAL CONTROL MEASURES.

SEDIMENT BARRIER WILL BE USED TO PROTECT ALL UNDISTURBED WETLANDS.

OTHER:
THE CONTRACTOR IS ALSO RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE EROSION CONTROL PLAN SUBMITTED TO THE CITY.

b. DESCRIPTION OF SEDIMENT BASINS:
THERE ARE 3 SEDIMENT BASIN FACILITIES TO BE CONSTRUCTED WITH THIS PROJECT. ONE IN PHASE I, TWO IN PHASE 2.

c. OTHER CONTROLS
(1) WASTE DISPOSAL:
THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE EROSION CONTROL PLAN SUBMITTED TO THE CITY.

(2) OFFSITE VEHICLE TRACKING:

- [X] HAUL ROADS DAMPENED FOR DUST CONTROL
- [X] LOADED HAUL TRUCKS TO BE COVERED WITH TARPAULIN
- [X] EXCESS DIRT ON ROAD REMOVED DAILY
- [X] STABILIZED CONSTRUCTION ENTRANCES

OTHER:
THE CONTRACTOR IS ALSO RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE EROSION CONTROL PLAN SUBMITTED TO THE CITY.

(3) SANITARY WASTE:
THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE EROSION CONTROL PLAN SUBMITTED TO THE CITY.

(5) TOXIC SUBSTANCES (INCLUDING SPILL REPORTING):
THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE EROSION CONTROL PLAN SUBMITTED TO THE CITY. IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED, CONTACT THE CITY PROJECT MANAGER IMMEDIATELY.

d. FEDERAL, STATE, AND LOCAL PLANS, AND PERMITS:
- FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, ERP PERMIT IS ANTICIPATED.
- FDEP NPDES GENERIC PERMIT FOR STORMWATER DISCHARGE FROM CONSTRUCTION SITE, (CH 62-621 FAC) TO BE OBTAINED BY THE CONTRACTOR

3. MAINTENANCE:

MAINTENANCE OF PERMANENT AND TEMPORARY FEATURES SHALL BE DONE IN ACCORDANCE WITH THE CITY OF PENSACOLA SPECIFICATIONS.

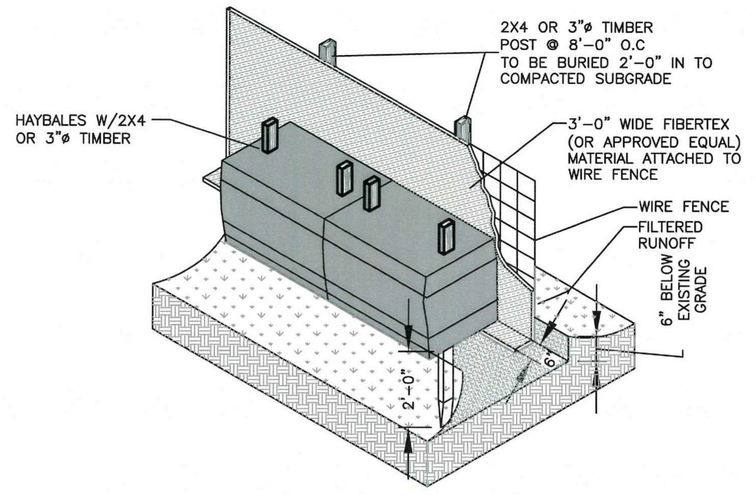
THE CONTRACTOR IS ALSO RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE EROSION CONTROL PLAN SUBMITTED TO THE CITY.

4. INSPECTION:

THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INSPECTIONS OF EROSION CONTROL FEATURES. QUALIFIED PERSONNEL SHALL INSPECT THE FOLLOWING ITEMS AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.25 INCHES OR GREATER. WHERE SITES HAVE BEEN FINALLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH.
-POINTS OF DISCHARGE FROM THE PROJECT SITE
-DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED
-AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION
-STRUCTURAL CONTROLS
-SEDIMENT BASINS
-LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE

5. NON-STORMWATER ACTIVITIES:

THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL DEWATERING PERMITS AND IDENTIFYING ALL ANTICIPATED NON-STORMWATER DISCHARGES.



NOTE: AT THE COMPLETION OF THE PROJECT AND AFTER SOIL STABILIZATION AND VEGETATIVE GROWTH HAVE BEEN ASSURED, THE SILT FENCE MUST BE COMPLETELY REMOVED AND THE EMBEDMENT TRENCH RESTORED TO A NATURAL CONDITION.

HAYBALES & SILT FENCE DETAIL
SCALE: N.T.S.

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BRUCE BEACH PARK
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PHASE TWO

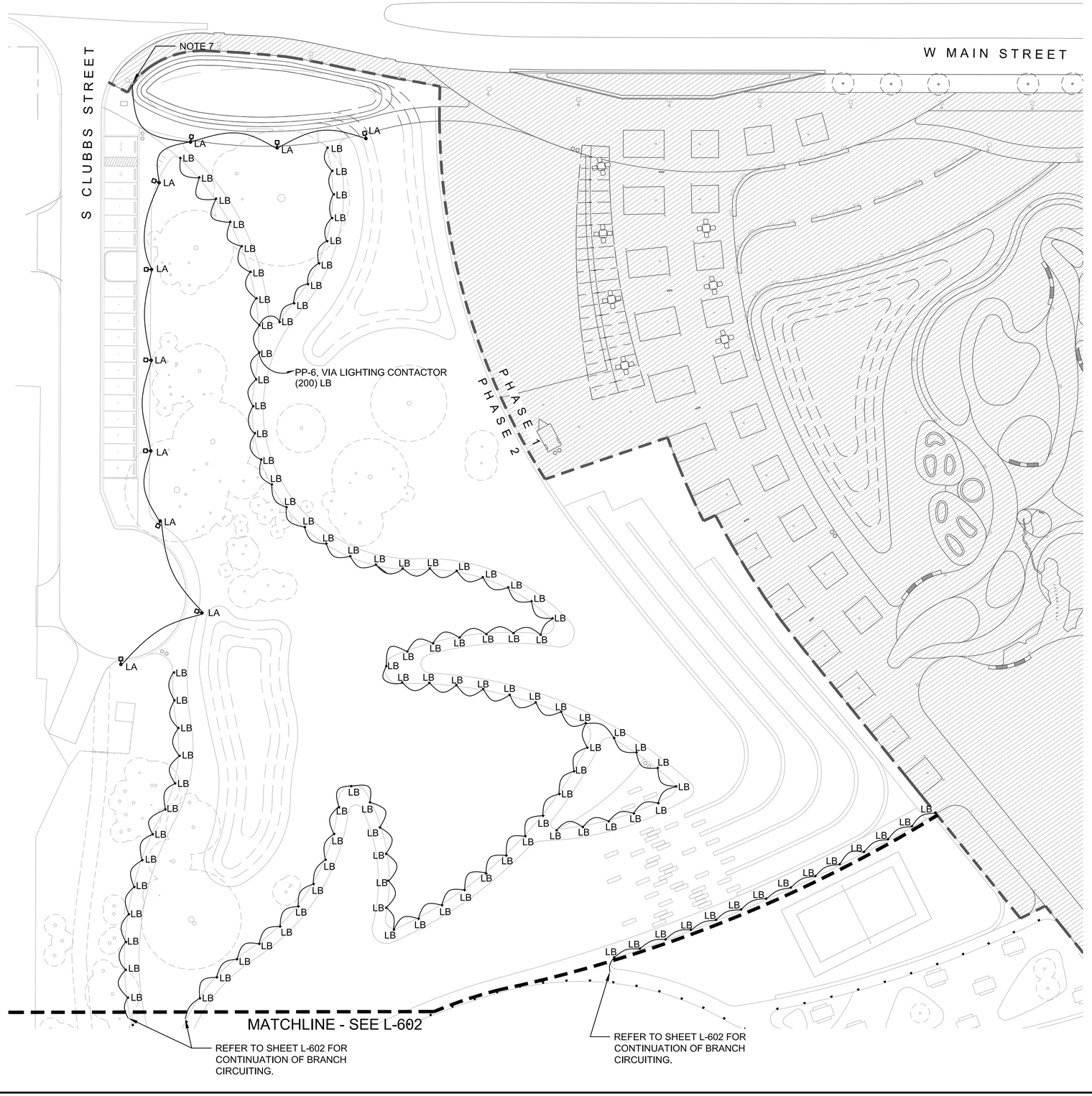
DATE	DESCRIPTION
05/22/2023	ISSUE FOR BID

HDR Project Number: 10279441

Sheet Name
STORMWATER POLLUTION PREVENTION PLAN

Scale
NTS

Sheet Number
L-454



ELECTRICAL GENERAL NOTES

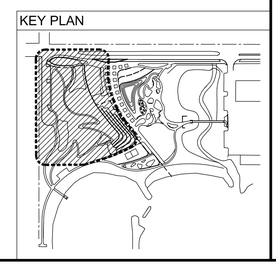
1. ALL WIRING TO BE COPPER WITH 600 V RATED INSULATION. SURFACE MARK ON INSULATION TO HAVE MANUFACTURER'S NAME OR TRADEMARK, CONDUCTOR SIZE, INSULATION TYPE AND UL LABEL.
2. CONDUCTORS MAY BE STRANDED OR SOLID.
3. ALL UNDERGROUND WIRING TO HAVE INSULATION TYPE XHHW-2. ABOVE GROUND OR BUILDING WIRING MAY BE TYPE THHN OR XHHW-2.
4. ALL UNDERGROUND CONDUIT TO BE SCHEDULE 40 PVC.
5. ALL ABOVE GROUND CONDUIT TO BE EITHER PVC COATED RIGID GALVANIZED STEEL WITH NOMINAL 40 mil POLYVINYL CHLORIDE EXTERIOR COATING OR RIGID ALUMINUM AA TYPE 6063 ALUMINUM ALLOY, T-1 TEMPER.
6. TRANSITION FROM UNDERGROUND TO ABOVE GROUND WITH RIGID METAL LONG SWEEP ELBOWS. IF ALUMINUM CONDUIT IS USED THEN PROVIDE A BITUMASTIC COATING OR WRAP ON PORTION OF CONDUIT THAT IS BELOW GROUND.
7. ALL ELECTRICAL WORK TO BE IN ACCORDANCE WITH THE 2017 EDITION OF THE NEC.
8. EC SHALL REFER TO PHASE 1 DRAWINGS FOR ELECTRICAL PANEL SCHEDULE AND DETAILS RELATING TO THE PHASE 2 SCOPE OF WORK.

LIGHTING NOTES

1. ALL LIGHT FIXTURES TO BE CERTIFIED BY THE FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION'S WILDLIFE LIGHTING CERTIFICATION PROGRAM.
2. LIGHT MUST BE DOWNWARD DIRECTED.
3. BEACHSIDE SHIELDS AND/OR LOUVERS SHALL BE USED FOR ANY FIXTURE WITHIN LINE OF SIGHT OF THE BEACH.
4. LONG-WAVELENGTH LIGHTS SHALL BE USED TO PROTECT SEA TURTLES.
5. REFER TO SHEET L-650 FOR LIGHTING FIXTURE SCHEDULE.
6. LIGHT FIXTURES SHALL BE CONTROLLED VIA PHOTOSENSOR TO OPERATE FROM DUSK TO DAWN.
7. EC SHALL EXTEND EXISTING BRANCH CIRCUIT #2 FROM PANEL PP TO NEW LIGHT FIXTURES AS INDICATED. BRANCH CIRCUIT SHALL BE 2#12 AND 1#12G IN 1"C.
8. LIGHTING CIRCUITS SHALL BE 2#12, 1#12G IN A 1"C.

30 0 30 60

KEY PLAN



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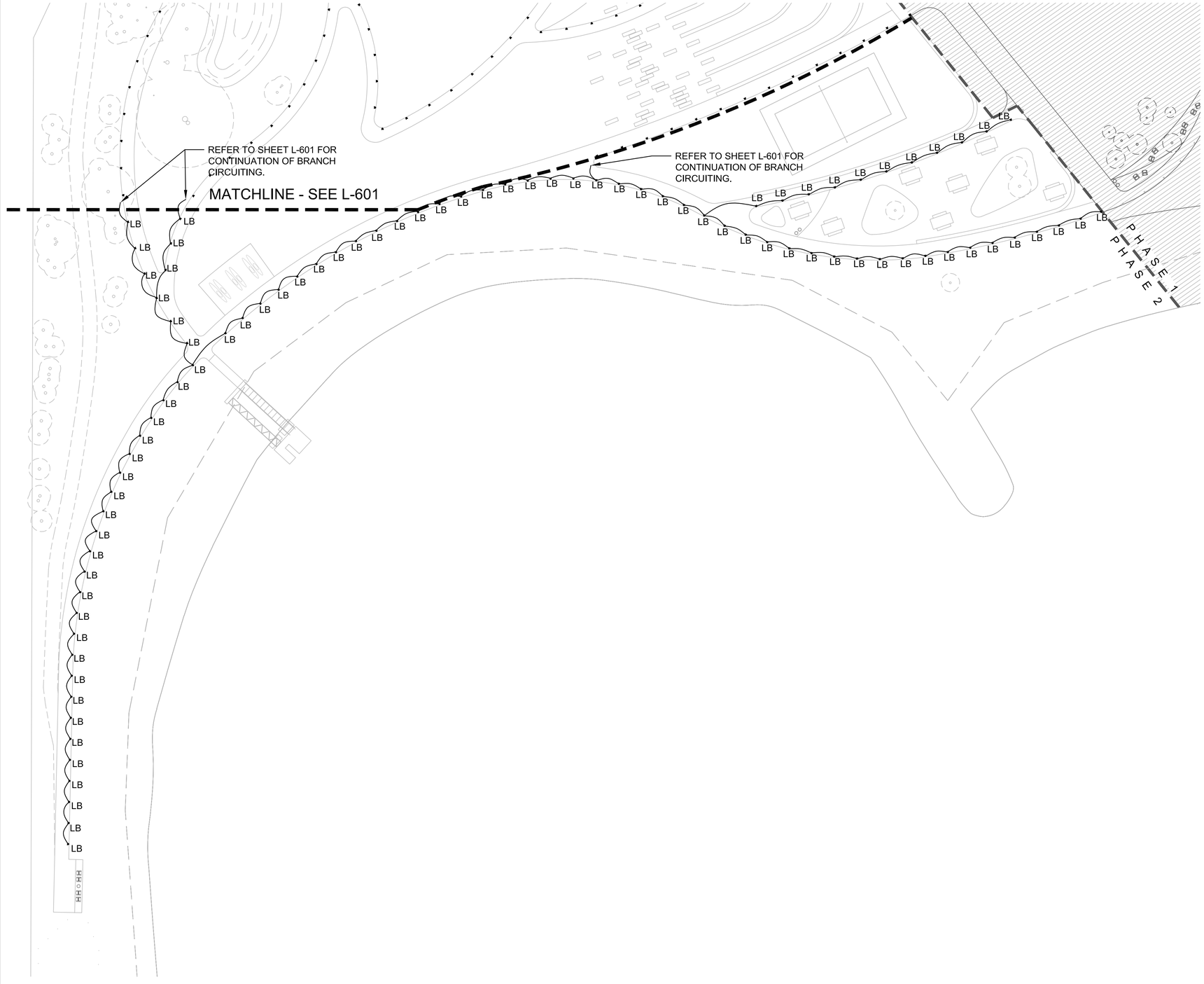
HDR Project Number: 10279441

Sheet Name
SITE LIGHTING - AREA 1

Scale
1" = 30'-0"

Sheet Number
L-601



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30 0 30 60

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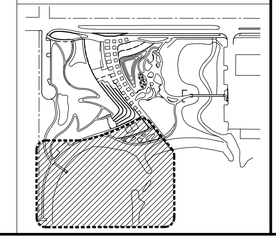

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PHASE TWO

DATE	DESCRIPTION
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HDR Project Number: 10279441

Sheet Name
SITE LIGHTING - AREA 2

Scale
1" = 30'-0"

Sheet Number
L-602

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	LAMP DATA				PROPOSED LUMINAIRE	APPROVED ALTERNATES	NOTES
		TYPE	INPUT WATTS	LUMEN OUTPUT	INPUT VOLTS			
LA	Pole mounted full cutoff LED fixture with tapered head and decorative top. Fixture shall have type II distribution. Fixture to be mounted on 12' fluted pole with tapered base. Finish shall be black.	1800K	80 W	5623 Lm	277 V	Lumca #PR8475-108LED02-80W-277V-L2B-18K-BK Pole #PL85-EHD12-TR-AP5-4BK	Match fixtures in Phase 1	- UL listed suitable for wet locations. Protection class IP66. - Modify fixture to have wildlife friendly long wavelength amber LED module.
LB	In grade mounted walk over LED marker light with nominal 3.5" diameter by 0.5" high rounded marine grade stainless steel housing. Fixture shall have 120 degree light distribution and stainless steel finish.	Amber LED	3 W	n/a	120-277 V	BK Lighting #S-MD-LED-e73-F-POL-1-A	Match fixtures in Phase 1	- UL listed suitable for wet locations. Protection class IP67.

LIGHTING FIXTURES

LA: PARKING LOT & SIDEWALK - LUMEC, METROSCAPE

LB: MARKER LIGHT - LUMASCAPE, LS553LED

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Sheet Name
SITE LIGHTING - LIGHTING FIXTURE SCHEDULE AND DETAILS

Scale
AS NOTED

Sheet Number
L-650

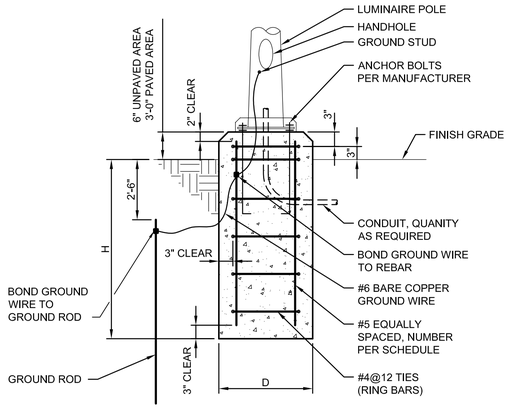
PANELBOARD NO: **PPEB**

VOLTAGE (L-L): 480 | BUS RATING (A): 100 | ENCLOSURE: NEMA 4X
VOLTAGE (L-N): 277 | MAIN OC DEVICE (A/PHASE): MLO | MOUNTING: SURFACE
PHASE/WIRE: 3 / 4 + G | INTERRUPTING RATING (KA): 65 | LOCATION: BRUCE BEACH
200% NEUTRAL: NO | SERVICE ENTRANCE LABEL: NO | BUILDING: ELECTRICAL PEDESTAL

WIRING				CKT		CONNECTED LOAD (VA)				OCP			OCP		CONNECTED LOAD (VA)					CKT	WIRING			
PHASE	NEUT.	GRND.	COND.	NO.	DESCRIPTION	LTS	REC	MECH	MISC	AMPS	P		AMPS	P	LTS	REC	MECH	MISC	DESCRIPTION	NO.	PHASE	NEUT.	GRND.	COND.
				1		200	0	0	0			A	15	1	962				ROADWAY LIGHTING	2	12	12	12	1"
6	6	8	1 1/4"	3	TRANSFORMER LP	100	180	0	0	45	3	B	15	1	814				ROADWAY LIGHTING	4	12	12	12	1"
				5		0	0	0	300			C	15	1	500				SEAT WALL LIGHTING	6	12	12	12	1"
				7	SPACE ONLY							A	15	1	560				PLAYGROUND LIGHTING	8	12	12	12	1"
				9	SPACE ONLY							B	15	1	903				PATHWAY LIGHTING	10	12	12	12	1"
				11	SPACE ONLY							C	15	1	76				BRIDGE LIGHTING	12	12	12	12	1"
				13	SPACE ONLY							A	15	1				500	SPARE	14				
				15	SPACE ONLY							B	15	1				500	SPARE	16				
				17	SPACE ONLY							C	15	1				500	SPARE	18				
				19	SPACE ONLY							A							SPACE ONLY	20				
				21	SPACE ONLY							B							SPACE ONLY	22				
				23	SPACE ONLY							C							SPACE ONLY	24				
				25	SPACE ONLY							A							SPACE ONLY	26				
				27	SPACE ONLY							B							SPACE ONLY	28				
				29	SPACE ONLY							C							SPACE ONLY	30				

LOAD SUMMARY

	LTS	REC	MECH	MISC	SPARE	TOTAL				PHASE BALANCE	
CONNECTED LOAD (KVA)	4.8	0.2	0.0	1.8	---	6.8		480	LINE TO LINE VOLTS	PHASE A (KVA)	2
DEMAND FACTOR	1.25	NEC	---	1.00	20%	---		8	CONNECTED AMPS	PHASE B (KVA)	2
DESIGN LOAD (KVA)	6.0	0.2	0.0	1.8	1.4	9.3		11.	DESIGN AMPS	PHASE C (KVA)	2



DIMENSION SCHEDULE			
POLE HEIGHT	MINIMUM D	MINIMUM H	VERTICAL REBAR EACH
UP TO 10'	2'-0"	4'-6"	6
11' TO 20'	2'-0"	6'-6"	6
21' TO 30'	2'-0"	8'-6"	6
31' TO 40'	2'-0"	9'-6"	8
41' TO 50'	2'-6"	10'-6"	10

3 LIGHT POLE FOUNDATION
NTS

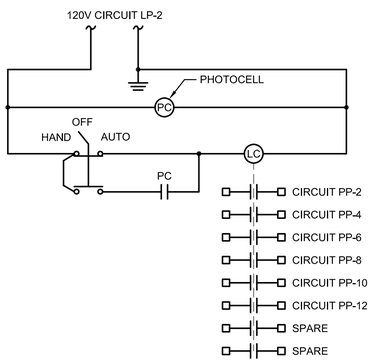
PANELBOARD NO: LP

VOLTAGE (L-L): 208 | BUS RATING (A): 100 | ENCLOSURE: NEMA 4X
VOLTAGE (L-N): 120 | MAIN OC DEVICE (A/PHASE): 60 | MOUNTING: SURFACE
PHASE/WIRE: 3 / 4 + G | INTERRUPTING RATING (KA): 10 | LOCATION: BRUCE BEACH
200% NEUTRAL: NO | SERVICE ENTRANCE LABEL: NO | BUILDING: ELECTRICAL PEDESTAL

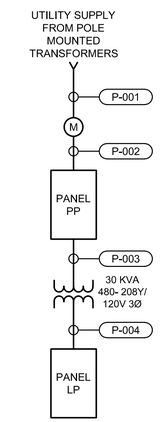
WIRING				CKT		CONNECTED LOAD (VA)				OCP			OCP		CONNECTED LOAD (VA)					CKT	WIRING			
PHASE	NEUT.	GRND.	COND.	NO.	DESCRIPTION	LTS	REC	MECH	MISC	AMPS	P		AMPS	P	LTS	REC	MECH	MISC	DESCRIPTION	NO.	PHASE	NEUT.	GRND.	COND.
				1	SPARE				500	20	1	A	20	1	962				LIGHTING CONTACTOR	2	12	12	12	3/4"
				3	SPARE				500	20	1	B	20	1	814				RESTROOM LTS, RECPTS	4	12	12	12	3/4"
				5	SPARE				500	20	1	C	20	1	500				RESTROOM FAN	6	12	12	12	3/4"
				7	SPACE ONLY							A							SPACE ONLY	8				
				9	SPACE ONLY							B							SPACE ONLY	10				
				11	SPACE ONLY							C							SPACE ONLY	12				
				13	SPACE ONLY							A							SPACE ONLY	14				
				15	SPACE ONLY							B							SPACE ONLY	16				
				17	SPACE ONLY							C							SPACE ONLY	18				
				19	SPACE ONLY							A							SPACE ONLY	20				
				21	SPACE ONLY							B							SPACE ONLY	22				
				23	SPACE ONLY							C							SPACE ONLY	24				
				25	SPACE ONLY							A							SPACE ONLY	26				
				27	SPACE ONLY							B							SPACE ONLY	28				
				29	SPACE ONLY							C							SPACE ONLY	30				

LOAD SUMMARY

	LTS	REC	MECH	MISC	SPARE	TOTAL				PHASE BALANCE	
CONNECTED LOAD (KVA)	0.3	0.2	0.0	1.8	---	2.3		208	LINE TO LINE VOLTS	PHASE A (KVA)	1
DEMAND FACTOR	1.25	NEC	---	1.00	20%	---		6	CONNECTED AMPS	PHASE B (KVA)	1
DESIGN LOAD (KVA)	0.4	0.2	0.0	1.8	0.5	2.8		8	DESIGN AMPS	PHASE C (KVA)	1

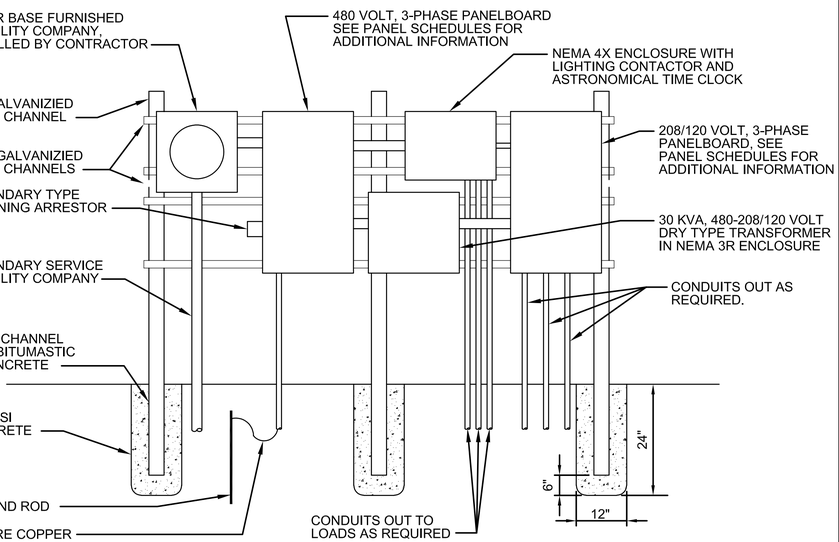


4 LIGHTING CONTACTOR CONTROL SCHEMATIC

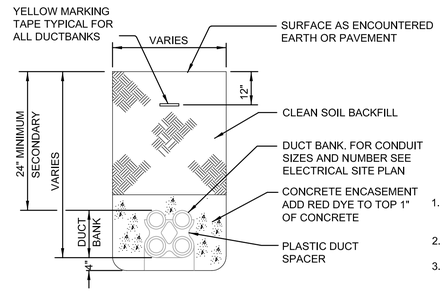


UNDERGROUND CONDUIT AND WIRE SCHEDULE				
CONDUIT NO.	SIZE	FROM	TO	CONDUCTORS
P-001	3"	UTILITY POLE/TRANSFORMER	UTILITY METER	PULL CORD
P-002	2"	UTILITY METER	PANEL PP	4-#1
P-003	1 1/4"	PANEL PP	TRANSFORMER LP	3-#6, 1-#8 GROUND
P-004	2"	TRANSFORMER LP	PANEL LP	4-#1, 1-#6 GROUND

5 ELECTRICAL ONE-LINE DIAGRAM



1 ELECTRICAL SERVICE EQUIPMENT RACK
NTS



2 DUCTBANK/TRENCHING DETAIL
NTS

DUCT LINE NOTES

1. PROVIDE PLASTIC DUCT SPACERS AT A MINIMUM OF 8' INTERVALS. SECURE DUCT TO SPACERS AND ANCHOR EACH SPACER.
2. CONCRETE ENCASEMENT SHALL BE 2500 PSI AT 28 DAYS.
3. ALL SPARE DUCTS SHALL BE PLUGGED WITH A STANDARD DUCT PLUG FITTING.

FOR REFERENCE ONLY: SCOPE AND MATERIALS ON THIS SHEET INSTALLED IN PHASE 1.

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PHASE TWO

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HDR Project Number: 10279441

Sheet Name
SITE LIGHTING - LIGHTING DETAILS AND PANEL SCHEDULES

Scale
AS NOTED

Sheet Number
L-651

SPECIAL NOTES:

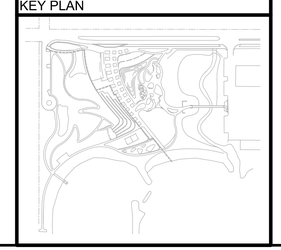
1. DRIP TUBING SHOWN ON PLANS FOR AREAS AT GROUND LEVEL IS NOT EXCEEDING 12" ON CENTER SPACING. INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY TUBING WETTING PATTERN AND VERIFY THAT ALL PLANTS ARE RECEIVING WATER. IF REQUIRED, TUBING SPACING MAY NEED TO BE ADJUSTED (TIGHTER) TO ENSURE ALL PLANTS RECEIVE WATER.
2. CONTRACTOR SHALL INSTALL MICROSPRAYS IN DRIP TUBING, IF NECESSARY TO PROVIDE FOR ADDITIONAL COVERAGE DURING ESTABLISHMENT. AFTER ESTABLISHMENT, IF DESIRED BY OWNER, MICROSPRAYS SHALL BE REMOVED AND HOLE PLUGGED IN TUBING.
3. ARCHITECT OR LANDSCAPE ARCHITECT TO APPROVE FINAL LOCATIONS OF ALL VISUAL ELEMENTS IN FIELD PRIOR TO INSTALLATION. IF FIELD PERSONNEL IS NOT AVAILABLE, PROPOSED LOCATIONS SHALL BE SPRAY PAINTED ON SITE AND INDICATED AT CM'S DISCRETION ON FULL SIZE SHEETS FOR ARCHITECT'S APPROVAL PRIOR TO INSTALLATION.
4. IF MULTIPLE VALVE BOXES ARE IN THE SAME LOCATION THEY MUST BE ARRANGED IN NEAT ALIGNED PATTERN. **IRRIGATION INSTALLATION CONTRACTOR SHALL COORDINATE ACTUAL LOCATION OF ALL VALVE BOXES WITH LANDSCAPE ARCHITECT ON SITE AND SHALL OBTAIN APPROVAL FOR LOCATIONS BEFORE INSTALLING.**
5. SYSTEM IS DESIGNED SO THAT MULTIPLE ZONES CAN OPERATE AT A TIME (SO LONG AS TOTAL SYSTEM DEMAND DOES NOT EXCEED 100 GPM, INCLUDING PHASE 1 AREAS). CONTRACTOR SHALL AID OWNER IN SCHEDULING SYSTEM TO MINIMIZE SYSTEM RUN TIME.
6. SYSTEM DOES NOT PROVIDE 100% COVERAGE OF ALL LANDSCAPED AREAS, AT DIRECTION OF CLIENT. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING OF ALL LANDSCAPE AREAS THROUGH PLANT ESTABLISHMENT.
7. IRRIGATION INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE AND/OR REPAID ANY EXISTING IRRIGATION DAMAGED DURING NEW CONSTRUCTION.

NOTES:

1. ALL SPRINKLER TO BE MOUNTED ON MARLEX ELLS OR UNITIZED SWING JOINTS (AS SPECIFIED ON DETAILS).
2. CONTRACTOR TO UTILIZE A AUTOMATIC DRAIN CHECK VALVE DEVICE WHERE LOW HEAD DRAINAGE MAY OCCUR.
3. ALL TWO-WIRE CABLE TO BE MINIMUM SIZE OF 14-2 MAXI-CABLE
4. ALL TWO-WIRE CABLE TO BE INSTALLED IN 1" SCH 40 PVC ELECTRICAL CONDUIT.
5. ALL ELECTRICAL CONDUITS OPENINGS TO BE FOAM SEALED.
6. ALL WIRE SPLICES TO BE MADE WITH 3M DBR/Y-6 CONNECTORS MOUNTED IN A MINIMUM OF 10" CARSON VALVE BOX
7. ALL PIPING AND WIRING UNDER HARDTOPS WILL BE IN CLASS 200 PVC PIPE SLEEVE.
8. LSP-1 SURGE ARRESTORS SHALL BE INSTALLED EVERY 300' OR EVERY 6 DECODERS (WHICHEVER IS SHORTER) ALONG TWO-WIRE PATH. LSP-1 SURGE ARRESTORS SHALL ALSO BE INSTALLED AT ALL TERMINAL ENDS OF TWO-WIRE CABLE PATHS (STAR CONFIGURATION). REFER TO DETAIL-T.
9. INSTALLATION CONTRACTOR SHALL ADHERE TO ALL MANUFACTURER SPECIFICATIONS FOR TWO-WIRE CONTROL SYSTEM INSTALLATION (WIRE SIZING, WIRE LENGTH OF RUNS, GROUNDING, ETC).

40 0 40 80

KEY PLAN



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PHASE TWO

DATE	DESCRIPTION
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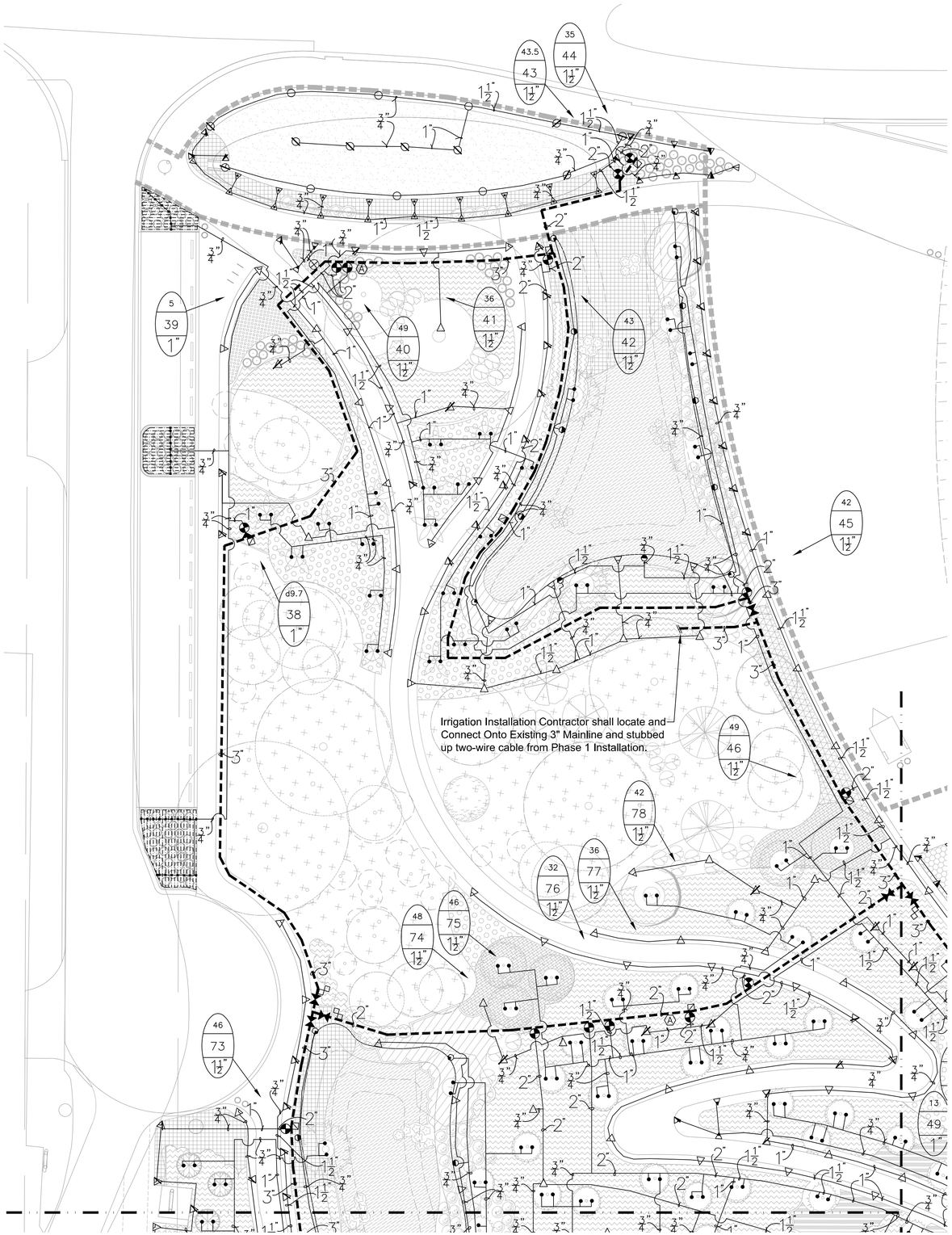
HDR Project Number: 10279441

Sheet Name
IRRIGATION PLAN - OVERALL

Scale
1" = 40'-0"

Sheet Number
I-100



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5. ALL ELECTRICAL CONDUITS OPENINGS TO BE FOAM SEALED.
6. ALL WIRE SPLICES TO BE MADE WITH 3M DBR/Y-6 CONNECTORS MOUNTED IN A MINIMUM OF 10" CARSON VALVE BOX
7. ALL PIPING AND WIRING UNDER HARDTOPS WILL BE IN CLASS 200 PVC PIPE SLEEVE.
8. LSP-1 SURGE ARRESTORS SHALL BE INSTALLED EVERY 300' OR EVERY 6 DECODERS (WHICHEVER IS SHORTER) ALONG TWO-WIRE PATH. LSP-1 SURGE ARRESTORS SHALL ALSO BE INSTALLED AT ALL TERMINAL ENDS OF TWO-WIRE CABLE PATHS (STAR CONFIGURATION). REFER TO DETAIL-T.
9. INSTALLATION CONTRACTOR SHALL ADHERE TO ALL MANUFACTURER SPECIFICATIONS FOR TWO-WIRE CONTROL SYSTEM INSTALLATION (WIRE SIZING, WIRE LENGTH OF RUNS, GROUNDING, ETC).

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25 W. Cedar Street, Suite 200
Pensacola, FL 32502

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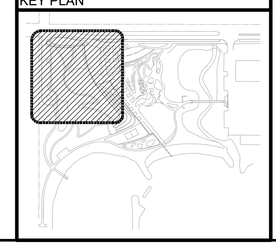
PHASE TWO

DATE	DESCRIPTION
05/22/2023	ISSUE FOR BID

HDR Project Number: 10279441

20 0 20 40

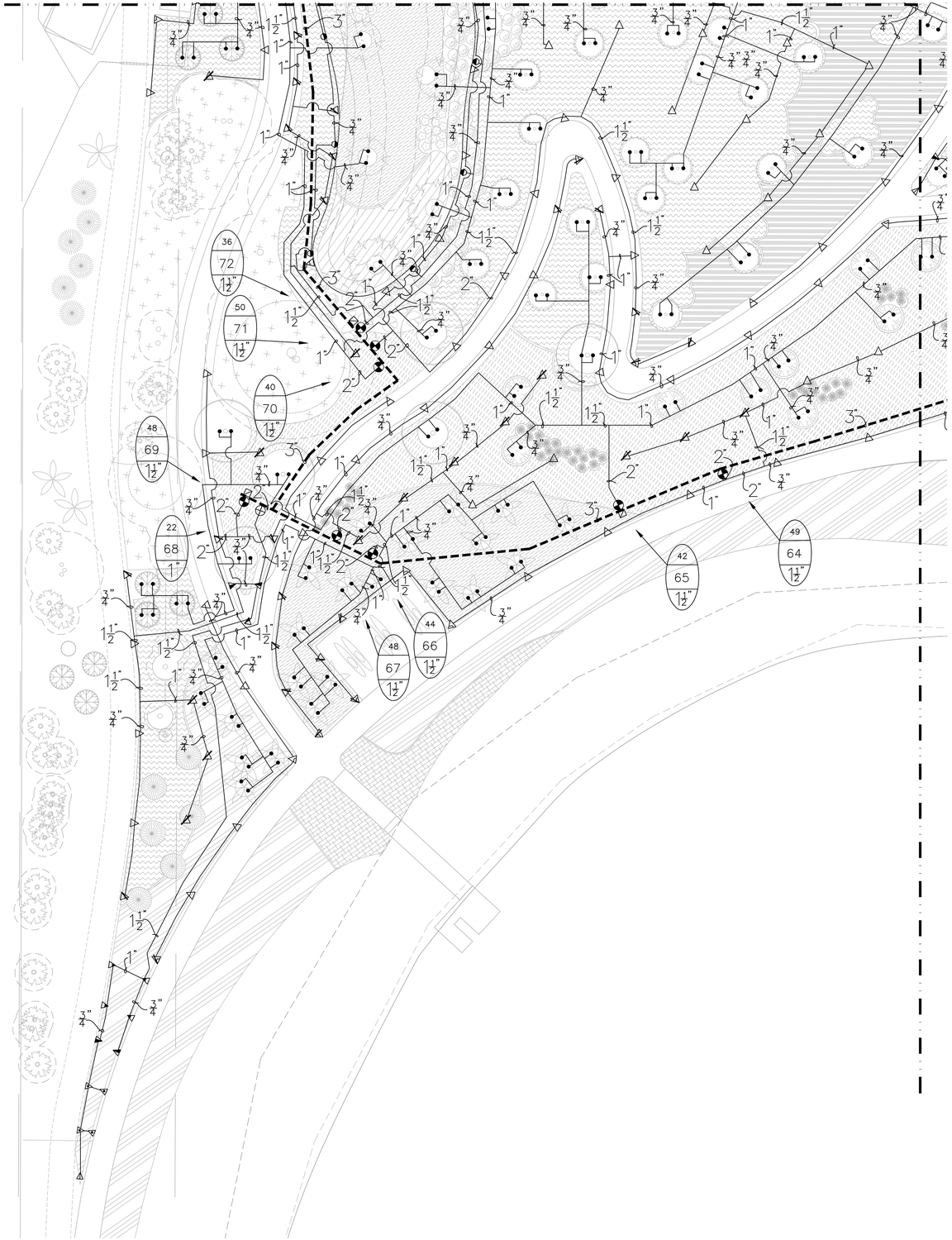
KEY PLAN



Sheet Name
IRRIGATION PLAN - AREA 1

Scale
1" = 20'-0"

Sheet Number
I-101



SPECIAL NOTES:

1. DRIP TUBING SHOWN ON PLANS FOR AREAS AT GROUND LEVEL IS NOT EXCEEDING 12" ON CENTER SPACING. INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY TUBING WETTING PATTERN AND VERIFY THAT ALL PLANTS ARE RECEIVING WATER. IF REQUIRED, TUBING SPACING MAY NEED TO BE ADJUSTED (TIGHTER) TO ENSURE ALL PLANTS RECEIVE WATER.
2. CONTRACTOR SHALL INSTALL MICROSPRAYS IN DRIP TUBING, IF NECESSARY TO PROVIDE FOR ADDITIONAL COVERAGE DURING ESTABLISHMENT. AFTER ESTABLISHMENT, IF DESIRED BY OWNER, MICROSPRAYS SHALL BE REMOVED AND HOLE PLUGGED IN TUBING.
3. ARCHITECT OR LANDSCAPE ARCHITECT TO APPROVE FINAL LOCATIONS OF ALL VISUAL ELEMENTS IN FIELD PRIOR TO INSTALLATION. IF FIELD PERSONNEL IS NOT AVAILABLE, PROPOSED LOCATIONS SHALL BE SPRAY PAINTED ON SITE AND INDICATED AT CM'S DISCRETION ON FULL SIZE SHEETS FOR ARCHITECT'S APPROVAL PRIOR TO INSTALLATION.
4. IF MULTIPLE VALVE BOXES ARE IN THE SAME LOCATION THEY MUST BE ARRANGED IN NEAT ALIGNED PATTERN. **IRRIGATION INSTALLATION CONTRACTOR SHALL COORDINATE ACTUAL LOCATION OF ALL VALVE BOXES WITH LANDSCAPE ARCHITECT ON SITE AND SHALL OBTAIN APPROVAL FOR LOCATIONS BEFORE INSTALLING.**
5. SYSTEM IS DESIGNED SO THAT MULTIPLE ZONES CAN OPERATE AT A TIME (SO LONG AS TOTAL SYSTEM DEMAND DOES NOT EXCEED 100 GPM, INCLUDING PHASE 1 AREAS). CONTRACTOR SHALL AID OWNER IN SCHEDULING SYSTEM TO MINIMIZE SYSTEM RUN TIME.
6. SYSTEM DOES NOT PROVIDE 100% COVERAGE OF ALL LANDSCAPED AREAS, AT DIRECTION OF CLIENT. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING OF ALL LANDSCAPE AREAS THROUGH PLANT ESTABLISHMENT.
7. IRRIGATION INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE AND/OR REPAID ANY EXISTING IRRIGATION DAMAGED DURING NEW CONSTRUCTION.

NOTES:

1. ALL SPRINKLER TO BE MOUNTED ON MARLEX ELLS OR UNITIZED SWING JOINTS (AS SPECIFIED ON DETAILS).
2. CONTRACTOR TO UTILIZE A AUTOMATIC DRAIN CHECK VALVE DEVICE WHERE LOW HEAD DRAINAGE MAY OCCUR.
3. ALL TWO-WIRE CABLE TO BE MINIMUM SIZE OF 14-2 MAXI-CABLE
4. ALL TWO-WIRE CABLE TO BE INSTALLED IN 1" SCH 40 PVC ELECTRICAL CONDUIT.
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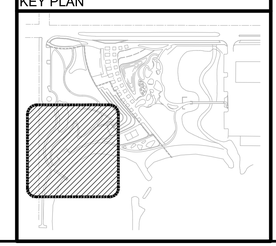
KEY PLAN



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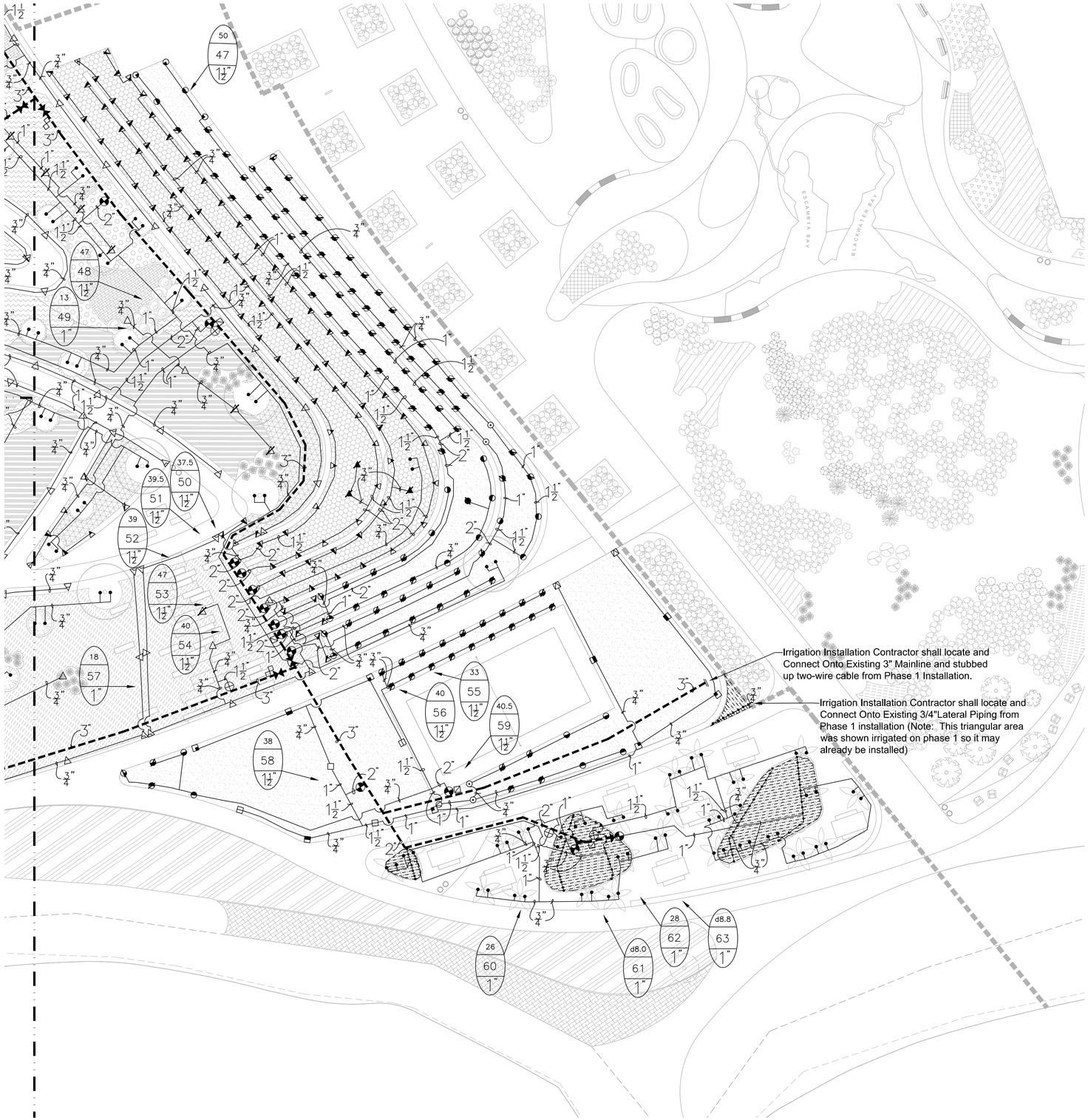
IRRIGATION PLAN - AREA 2

Scale
1" = 20'-0"

Sheet Number
I-102



SPECIAL NOTES:

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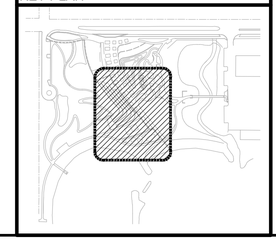
KEY PLAN



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IRRIGATION PLAN - AREA 3

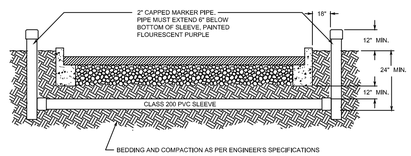
Scale
1" = 20'-0"

Sheet Number
I-103

SLEEVING LEGEND

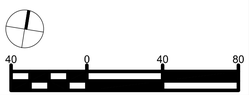
A	8" CLASS 200 PVC IRRIGATION SLEEVE
B	(2) 6" CLASS 200 PVC IRRIGATION SLEEVE
C	6" CLASS 200 PVC IRRIGATION SLEEVE
D	4" CLASS 200 PVC IRRIGATION SLEEVE
E	3" CLASS 200 PVC IRRIGATION SLEEVE

NOTE:
INSTALLER OF SLEEVES SHALL BE RESPONSIBLE TO LOCATE SLEEVES IF NOT PROPERLY INSTALLED.



SLEEVING

NTS



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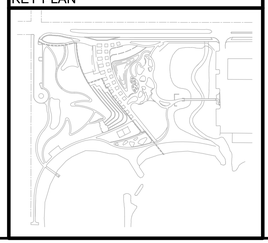

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IRRIGATION SLEEVING PLAN

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1" = 40'-0"

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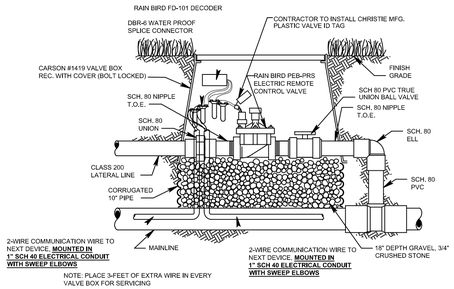
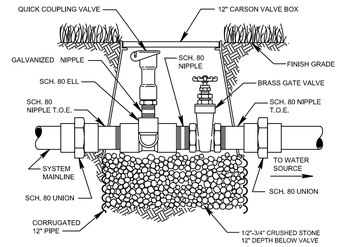
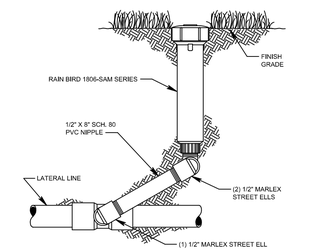
NOTE:
ALL VALVE BOXES SHALL BE BLACK IN COLOR AND INSTALLED IN LANDSCAPE BEDS (ANYTHING SHOWN IN TURF AREAS IS DIAGRAMMATIC FOR READABILITY PURPOSES ONLY)



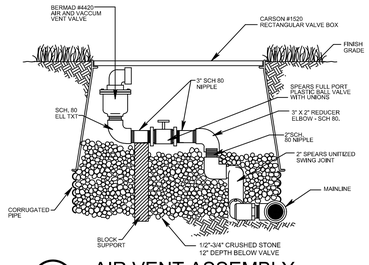
A CONTROL VALVE
NTS



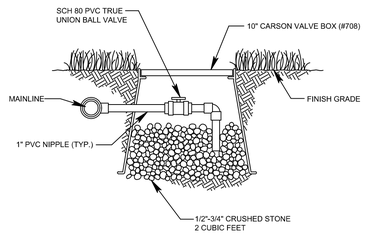
B BLOWOUT ASSEMBLY
NTS



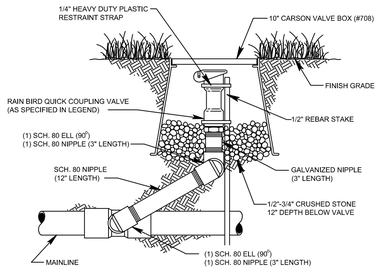
C LAWN SPRAY
NTS



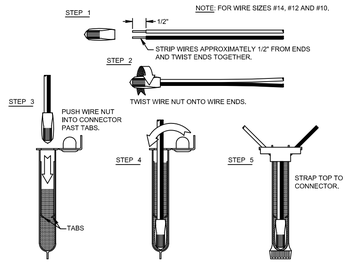
D AIR VENT ASSEMBLY
NTS



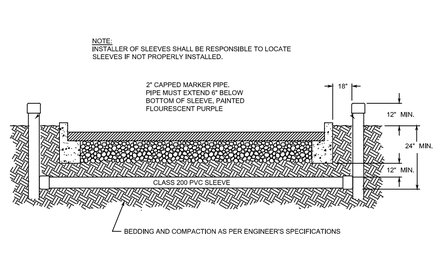
E MANUAL DRAIN VALVE
NTS



F QUICK COUPLING VALVE
NTS



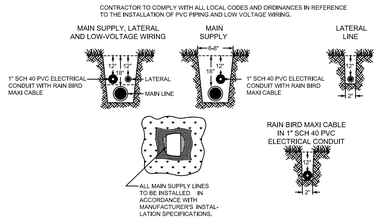
G WIRE CONNECTION
NTS
3M-DBR/Y-6



H SLEEVING
NTS

GENERAL NOTES

1. ALL MAINLINES TO HAVE A MINIMUM OF 18" OF COVER. (CLASS 200 PVC PIPE, CLASS 200 PVC FOR 4" AND LARGER).
2. ALL LATERAL AND SUB-MAIN PIPE TO HAVE A MINIMUM OF 12" OF COVER. (CLASS 200 PVC PIPE).
3. NO ROCKS, BOULDER, OR OTHER EXTRANEOUS MATERIALS TO BE USED IN BACKFILLING OF TRENCH.
4. ALL PIPE TO BE INSTALLED AS PER MANUFACTURERS' SPECIFICATIONS.
5. ALL THREADED JOINTS TO BE COATED WITH TEFLON TAPE OR LIQUID TEFLON.
6. ALL LINES TO BE THOROUGHLY FLUSHED BEFORE INSTALLATION OF SPRINKLER HEADS.
7. SPRINKLER AND RELATED EQUIPMENT TO BE INSTALLED AS PER DETAILS.
8. ALL ELECTRICAL JOINTS TO BE MADE USING WATERPROOF CONNECTIONS AS SHOWN ON DETAILS.
9. ALL EQUIPMENT NOT SPECIFIED IN THE LEGEND SHALL BE DETERMINED AND FURNISHED BY THE CONTRACTOR.
10. NO ELECTRICAL CONNECTIONS SHALL BE MADE IN THE FIELD EXCEPT AT A VALVE CONTROL BOX OR ANOTHER VALVE BOX SPECIFICALLY FOR CONNECTIONS.
11. ANY DISCREPANCY BETWEEN THIS SHEET AND OTHERS IN THIS SET MUST BE REFERRED TO THE IRRIGATION CONSULTANT BY THE CONTRACTOR FOR CLARIFICATION BEFORE PRECEEDING WITH THE WORK.
12. ALL TWO-WIRE CONTROL WIRES SHALL BE #14-2 MAXI CABLE, INSTALLED IN 1" SCH 40 PVC ELECTRICAL CONDUIT.
13. CONTRACTOR TO BE RESPONSIBLE FOR PROPER COVERAGE OF AREAS TO BE WATERED. I.E. ADJUST HEADS WITH INSUFFICIENT COVERAGE DUE TO BLOCKAGE BY EXISTING OR PROPOSED SITE FEATURES.
14. CONTRACTOR TO REFER TO LANDSCAPE PLAN TO KEEP SPRINKLER EQUIPMENT AND ACCESSORY MATERIAL FROM INTERFERING WITH PROPER PLANTING, i.e. VERIFY ROOT BALL SIZE FOR PLANTING.
15. CONTRACTOR SHALL PROVIDE EXPANSION COILS AT EACH WIRE CONNECTION IN VALVE BOX (WRAP AROUND 3/4" PIPE 12 TIMES).
16. CONTRACTOR TO UTILIZE APPROPRIATE AUTOMATIC DRAIN DEVICE WHERE LOW HEAD DRAINAGE MAY OCCUR.
17. ALL SPRINKLERS TO BE INSTALLED AS DETAILED ON PLANS.
18. CONTRACTOR SHALL UTILIZE VALVE I.D. TAGS ON ALL REMOTE CONTROL VALVES.
19. 24 VOLT WIRE SHALL BE COLOR CODED PER SEPARATE WIRE RUNS.
20. CONTRACTOR SHALL INSTALL MANUFACTURERS' RECOMMENDED GROUNDING EQUIPMENT FOR POWER SUPPLY AND VALVE OUTPUT WITH PAIGE WIRE GROUND PLATE ASSEMBLY.
21. CONTRACTOR SHALL INSTALL MANUFACTURERS' RECOMMENDATION ON FAULT GROUND AND LIGHTNING PROTECTION.
22. CONTROLLER GROUNDING MUST BE AS PER RAIN BIRD WIRE GROUNDING REQUIREMENTS
23. ALL MATERIAL TO BE SUPPLIED BY CONTRACTOR TO OWNER:
    A. TWO WRENCHES FOR DISASSEMBLING AND ADJUSTING EACH TYPE OF SPRINKLER HEADS AND VALVE SUPPLIED.
    B. TWO KEYS FOR EACH OF THE AUTOMATIC CONTROLLERS.
    C. TWO QUICK COUPLER KEYS WITH MATCHING HOSE SWIVELS.
24. SYSTEM IS DIAGRAMMATIC TO IMPROVE CLARITY. ALL MAINLINE PIPING ELECTRIC VALVES AND WIRING ARE TO BE INSTALLED IN LANDSCAPE AREAS AND WITHIN PROPERTY BOUNDARIES. CONTRACTOR SHALL REFERENCE THE LANDSCAPE PLAN PRIOR TO THE INSTALLATION OF PIPING TO AVOID CONTACT WITH PLANT MATERIALS EXISTING OR NEW.
25. CONTRACTOR TO ADD EXTENSION RISER TO POP-UP HEADS WHEN NEEDED FOR PROPER COVERAGE.
26. CONTRACTOR SHALL INSTALL SPRINKLER EQUIPMENT 12" FROM FOUNDATIONS. ALSO INSTALL SPRINKLERS 4" FROM CURB OR WALKS.
27. PRIOR TO BID IRRIGATION CONTRACTOR SHALL VERIFY RIGHT-OF-WAY AND BACKFLOW REQUIREMENTS. NO LATER THAN FIVE DAYS BEFORE BID SUBMITTALS CONTRACTOR SHALL NOTIFY CONSULTANT OF ANY CHANGES FROM PLANS AND SPECIFICATIONS.
28. IRRIGATION CONTRACTOR SHALL PROVIDE THE OWNER AND LANDSCAPE ARCHITECT WITH A REPRODUCIBLE CROSS MEASURED AS-BUILT DRAWING OF THE INSTALLED IRRIGATION SYSTEM IN AUTOCAD 2010 FORMAT BEFORE FINAL ACCEPTANCE.
29. A 1-YEAR WARRANTY PERIOD SHALL BE PROVIDED FOR SYSTEM AFTER SUBSTANTIAL COMPLETION IS ACCEPTED. START UP AND ADJUSTING OF SYSTEM IN SPRING TIME SHALL BE INCLUDED IN WARRANTY.
30. PRIOR TO BID, CONTRACTOR SHALL VERIFY THAT ALL MATERIALS, INSTALLATION PARAMETERS AND OPERATIONS CONFORM TO ALL APPLICABLE CODES AND ORDINANCES. NO LATER THAN FIVE DAYS BEFORE BID SUBMITTALS CONTRACTOR SHALL NOTIFY IRRIGATION CONSULTANT/DESIGNER OF ANY CHANGES REQUIRED DUE TO CURRENT CODE OR ORDINANCE DISCREPANCIES. IF CONTRACTOR DOES NOT COMPLY TO THIS NOTIFICATION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY INSTALLATION CHANGE AND REDESIGN COSTS FOR NON-COMPLIANCE.
31. UNLESS OTHERWISE NOTED, THE CONTRACTOR MUST COMPLETE 2 PRESSURE TESTS OF THE IRRIGATION SYSTEM MAINLINE (BOTH TO SHOW NO DROP IN PRESSURE DURING DURATION OF TEST.
    A. 2-HOUR PRESSURE TEST AT 1.5 TIMES THE SYSTEM STATIC PRESSURE
    B. 24-HOUR PRESSURE TEST AT THE SYSTEM STATIC PRESSURE
32. IRRIGATION INSTALLATION CONTRACTOR SHALL PROVIDE OWNER WITH A COLOR-CODED ZONES DIAGRAM PLAN, 8-1/2"X11" LAMINATED SHEET(S), TO IDENTIFY CONTROLLER STATION TO THE CONTROL VALVE NUMBER FOR EACH CONTROLLER. TO BE LOCATED IN ADHESIVE POUCH ATTACHED INSIDE OF CONTROLLER(S).



I TRENCHING
NTS

NOTES:
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IRRIGATION LEGEND

NOTE:
IRRIGATION POINT OF CONNECTION(S) WILL BE TO CAPPED MAINLINE FROM PHASE 1 INSTALLATION.

MANUAL DRAIN VALVE. SCH 80 PVC TRUE UNION BALL VALVE. DETAIL-E.

RAIN BIRD ESP-LXD-PED-SS CONTROLLER WITH (1) 75 STATION EXPANSION MODULE. 125 TOTAL STATIONS, 2-WIRE/DECODER BASED MODULAR CONTROLLER, FOUR PROGRAMS, STAINLESS STEEL, PEDESTAL MOUNTED. DETAIL-J,K,U. IRRIGATION CONTRACTOR SHALL ALSO INSTALL A WIRELESS RAIN/FREEZE SENSOR FOR EACH CONTROLLER.

RAIN BIRD 150-PEB-PRS PLASTIC ELECTRIC REMOTE CONTROL VALVE, 1-1/2" SIZE, MOUNTED WITH SCH 80 PVC TRUE UNION BALL VALVE WITH PRESSURE REGULATION DEVICES, MOUNTED WITH RAIN BIRD SINGLE STATION DECODER (FD-101TURF). DETAIL-A.

RAIN BIRD 100-PEB-PRS PLASTIC ELECTRIC REMOTE CONTROL VALVE, 1" SIZE, MOUNTED WITH SCH 80 PVC TRUE UNION BALL VALVE WITH PRESSURE REGULATION DEVICES, MOUNTED WITH RAIN BIRD SINGLE STATION DECODER (FD-101TURF). DETAIL-A.

RAIN BIRD 1806-SAM, 6" POP-UP LAWN SPRAY SPRINKLER, 12' RADIUS, FULL-2.0 GPM, HALF-1.0 GPM, QUARTER-0.5 GPM, 30 PSI. DETAIL-C.

RAIN BIRD 1806-SAM, 6" POP-UP LAWN SPRAY SPRINKLER, 15' RADIUS, FULL-4.0 GPM, HALF-2.0 GPM, QUARTER-1.0 GPM, 30 PSI. DETAIL-C.

RAIN BIRD 1806-SAM, 6" LAWN POP-UP SIDE STRIP SPRAY SPRINKLER, 9' X 18' RADIUS, 1.5 GPM, 30 PSI. DETAIL-C.

RAIN BIRD 1806-SAM, 6" LAWN SIDE STRIP SPRAY SPRINKLER, 4' X 30' RADIUS, 1.5 GPM, 30 PSI. DETAIL-C.

RAIN BIRD 1806-SAM, 6" LAWN END STRIP SPRAY SPRINKLER, 4' X 15' RADIUS, 1.0 GPM, 30 PSI. DETAIL-C.

RAIN BIRD 1812-SAM, 12" HI-POP SHRUB SPRAY SPRINKLER, 15' RADIUS, FULL-4.0 GPM, HALF-2.0 GPM, QUARTER-1.0 GPM, THREE QUARTER-3.0 GPM, 30 PSI. DETAIL-Y.

RAIN BIRD 1812-SAM, 12" HI-POP SHRUB SPRAY SPRINKLER, 12' RADIUS, FULL-2.0 GPM, 30 PSI. DETAIL-Y.

RAIN BIRD 1812-SAM, 12" HI-POP SHRUB SIDE STRIP SPRAY SPRINKLER, 9' X 18' RADIUS, 1.5 GPM, 30 PSI. DETAIL-Y.

RAIN BIRD 1812-SAM, 12" HI-POP SHRUB SIDE STRIP SPRAY SPRINKLER, 4' X 30' RADIUS, 1.5 GPM, 30 PSI. DETAIL-Y.

RAIN BIRD 1812-SAM, 12" HI-POP SHRUB END STRIP SPRAY SPRINKLER, 4' X 15' RADIUS, 1.0 GPM, 30 PSI. DETAIL-Y.

RAIN BIRD TREE ROOT WATERING ASSEMBLY. RWS-BG-01, 0.5 GPM. DETAIL-M.

HUNTER I-20-06-SS LAWN ROTOR, 40' RADIUS, FULL-8.0 GPM, HALF-4.0 GPM, QUARTER-2.0 GPM, 45 PSI, DETAIL-X.

HUNTER I-20-06-SS LAWN ROTOR, 30' RADIUS, FULL-4.0 GPM, HALF-2.0 GPM, QUARTER-1.0 GPM, 45 PSI, DETAIL-X.

HUNTER INDUSTRIES MP ROTATOR SERIES 3000, MOUNTED ON RAIN BIRD 1812-SAM SPRINKLER IN BED AREAS, 30' RADIUS, FULL-4.0 GPM, HALF-2.0 GPM, QUARTER-1.0 GPM, 40 PSI, DETAIL-Y.

HUNTER INDUSTRIES MP ROTATOR SERIES 2000, MOUNTED ON RAIN BIRD 1812-SAM SPRINKLER IN BED AREA, 20' RADIUS, FULL-2.0 GPM, HALF-1.0 GPM, QUARTER-0.5 GPM, 40 PSI, DETAIL-Y.

RAIN BIRD DRIP ZONE ASSEMBLY KIT, MODEL #XCZ-100-PRB-COM OR XCZ-150-PRB-COM. 1" OR 1-1/2" SIZE, SIZE NOTED ON PLANS. TO BE INSTALLED WITH RAIN BIRD SINGLE STATION DECODER (FD-101). DETAIL-O.

NOTE: FOR ANY DRIP ZONE WITH FLOW UNDER 3 GPM, MUST UTILIZE RAIN BIRD XCZ-LF-100-PRF, LOW FLOW DRIP VALVE ASSEMBLY.

POINT OF CONNECTION - DRIP LINE TUBING TO PVC PIPE, DETAIL-P,Q.

DRIP TUBING: RAIN BIRD XFS DRIPLINE DRIP TUBING, .6 GPH, 12" CENTERS, STAKED EVERY TURN OR EVERY 4', INSTALL NETAFIM AIR RELIEF VALVE KIT IN 10" CIRCULAR VALVE BOX AT HIGH POINT OF EACH ZONE AND INSTALL NETAFIM DRIP DRAIN VALVE(S) IN 10" CIRCULAR VALVE BOX AT LOW POINT(S) OF EACH ZONE. DETAIL-P,Q,R,S,V.

NOTE:
CONTRACTOR SHALL INSTALL RAIN BIRD DRIP OPERATION INDICATOR KIT AT ENDS OF EACH DRIP ZONE AREA (DETAIL-V).

RAIN BIRD #5 QUICK COUPLING VALVE 1" SIZE. CONTRACTOR TO SUPPLY TWO QCV KEYS AND MATCHING HOSE SWIVELS. DETAIL-F.

MAINLINE ISOLATION GATE VALVE, DOMESTIC DUCTILE IRON GASKETED, DETAIL-L.

AIR VENT VALVE, BERMAD #4420, 2" SIZE. INSTALLED AT HIGH POINTS OF THE IRRIGATION SYSTEM. DETAIL-D.

MAINLINE PIPE: 3" SIZE IF NOT NOTED. CLASS 200 PVC. ALL PIPE 2-1/2" AND LARGER SHALL BE UNIBELL GASKETED PVC PIPE AND HARCO PVC GASKETED FITTINGS. THRUST BLOCKS AND RESTRAINTS TO BE UTILIZED AS PER MANUFACTURER'S RECOMMENDATIONS FOR PIPE TYPE, PIPE SIZE, AND LOCAL ENVIRONMENTAL CONDITIONS.

IRRIGATION SLEEVE: CLASS 200 PVC, SIZE NOTED ON PLAN. DETAIL-H.

LATERAL LINE PIPE: CLASS 200 PVC SOLVENT WELD PIPE UTILIZING SCH 40 PVC SOLVENT WELD FITTINGS, SIZE NOTED.

ELECTRICAL CONDUIT SLEEVE, REFER TO NOTES ON PLANS.

TYPICAL VALVE INDICATOR

28.5 — GALLONS PER MIN.
10 — STATION NUMBER
1 1/2" — VALVE SIZE

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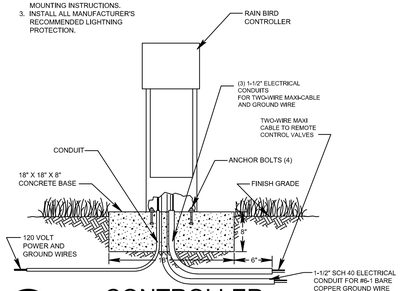
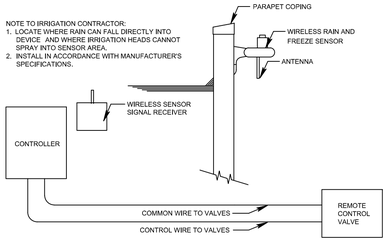
NOTE:
1. ALL WIRING TO BE INSTALLED AS PER LOCAL CODE.
2. SEE CONTROLLER MANUAL FOR MOUNTING INSTRUCTIONS.
3. INSTALL ALL MANUFACTURER'S RECOMMENDED LIGHTNING PROTECTION.



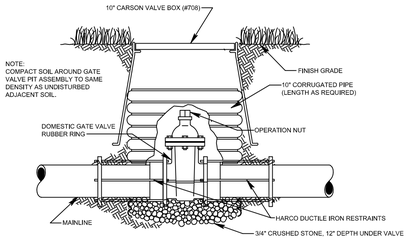
J CONTROLLER
NTS

NOTE TO IRRIGATION CONTRACTOR:
1. LOCATE WHERE RAIN CAN FALL DIRECTLY INTO DEVICE AND WHERE IRRIGATION HEADS CANNOT SPRAY INTO SENSOR AREA.
2. INSTALL IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

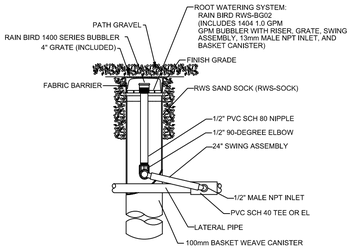


K RAIN/FREEZE SENSOR
NTS

NOTE:
COMPACT SOIL AROUND GATE VALVE PIT ASSEMBLY TO SAME DENSITY AS UNDISTURBED ADJACENT SOIL.

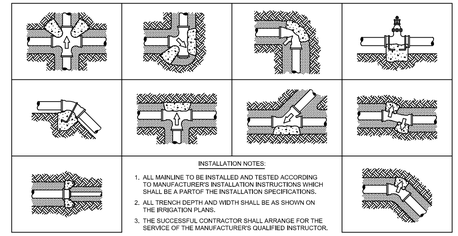


L ISOLATION VALVE
NTS



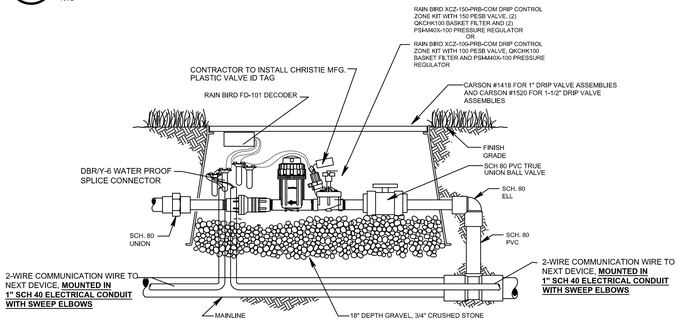
M ROOT WATERING SYSTEM
NTS

NOTE:
ALL VALVE BOXES SHALL BE BLACK IN COLOR AND INSTALLED IN LANDSCAPE BEDS (ANYTHING SHOWN IN TURF AREAS IS DIAGRAMMATIC FOR READABILITY PURPOSES ONLY)



INSTALLATION NOTES:
1. ALL MAINLINE TO BE INSTALLED AND TESTED ACCORDING TO MANUFACTURER'S INSTALLATION INSTRUCTIONS WHICH SHALL BE A PART OF THE INSTALLATION SPECIFICATIONS.
2. ALL TRENCH DEPTH AND WIDTH SHALL BE AS SHOWN ON THE IRRIGATION PLANS.
3. THE SUCCESSFUL CONTRACTOR SHALL ARRANGE FOR THE SERVICE OF THE MANUFACTURER'S QUALIFIED INSTRUCTOR.

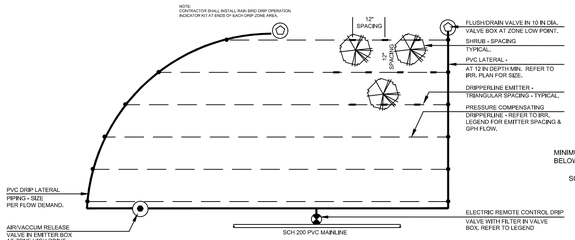
N THRUST BLOCK
NTS



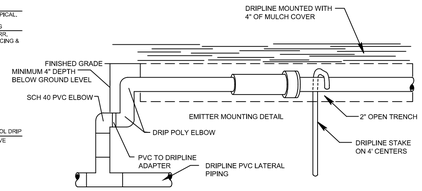
O DRIP ASSEMBLY

NOTE: PLACE 3-FEET OF EXTRA WIRE IN EVERY VALVE BOX FOR SERVICING

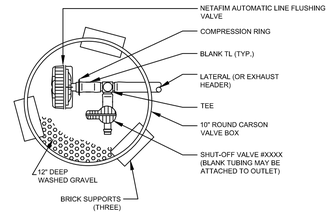
NOTE:
CONTRACTOR SHALL INSTALL RAIN BIRD DRIP OPERATION INDICATOR KIT AT ENDS OF EACH DRIP ZONE AREA.



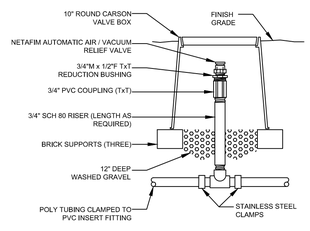
P IRRIGATION DRIPLINE
NTS



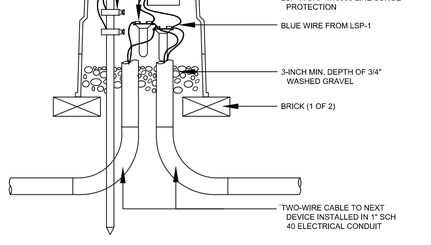
Q DRIP EMITTER
NTS



R LINE FLUSHING VALVE
NTS

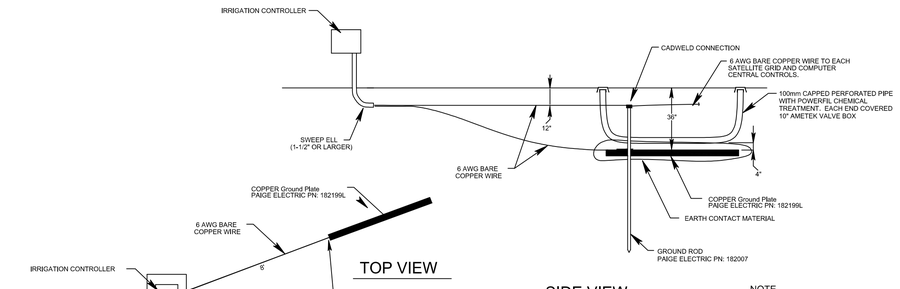


S AIR/VACUUM RELIEF
NTS



NOTES:
1. LSP-1 SHOULD BE INSTALLED EVERY 500 FT ON TWO-WIRE PATH OR EVERY 8 DECODERS (WHICHEVER IS SHORTER).
2. LSP-1 TO BE INSTALLED AT END OF WIRE RUN THAT TERMINES IN THE FIELD (STAR CONFIGURATION).

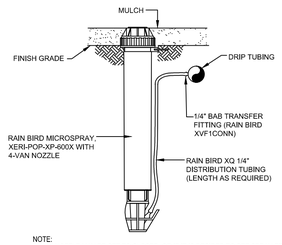
T SURGE PROTECTION TO TWO-WIRE PATH
NTS



NOTE
IF 10 OHMS OR LESS RESISTANCE CAN NOT BE ACHIEVED WITH THE GROUND GRID AND BARE WIRE TO THE IRRIGATED AREA, INSTALL 100mm PREFORATED PIPE IN CENTER OF THE GROUNDING GRID AND FILL WITH POWERFIL GROUND TREATEMENT. IDEALLY THE PIPE SHOULD BE AS DEEP AS THE GROUND RODS. BARE COPPER WIRE SHALL EXTEND AT LEAST 100' INTO IRRIGATION AREA.

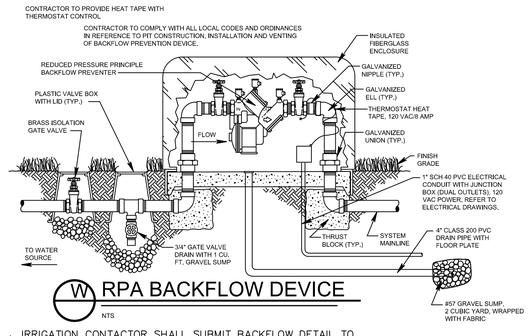
GROUNDING TO BE INSTALLED AS PER ASIC GUIDELINES WITH GROUNDING PLATE.

U CONTROLLER GROUNDING
NTS



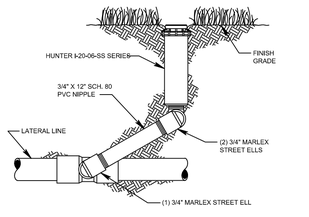
NOTE:
2. VAN NOZZLE MAY BE SET TO CLOSED, OR IF IT IS DESIRED TO SEE SPRAY FROM THE NOZZLE, SET THE ARC TO ½ PATTERN. THE FLOW FROM THE NOZZLE, 0.3 GPM, SHOULD BE ACCOUNTED FOR IN THE SYSTEM DESIGN.

V DRIPLINE OPERATOR INDICATOR
NTS

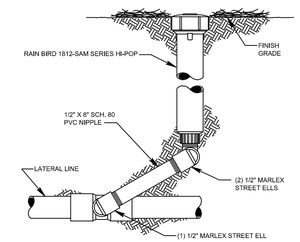


W RPA BACKFLOW DEVICE
NTS

✳ IRRIGATION CONTACTOR SHALL SUBMIT BACKFLOW DETAIL TO LOCAL AUTHORITIES FOR APPROVAL BEFORE STARTING CONSTRUCTION.



X LAWN ROTOR
NTS



Y SHRUB SPRAY
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Sheet Name
IRRIGATION DETAILS

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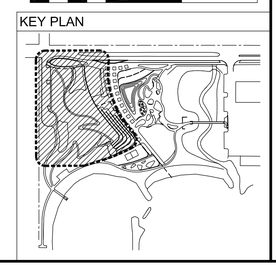
ABBREV.	BOTANICAL NAME
TREES & PALMS	
ARD	ACER RUBRUM VAR. DRUMMONDI
CV	CHIONANTHUS VIRGINICUS
DV	DIOSPYROS VIRGINIANA
IVP	ILEX VOMITORIA 'PRIDE OF HOUSTON'
IC	ILEX CASSINE
MV	MAGNOLIA VIRGINIANA
MC2	MYRICA CERIFERA
PED	PINUS ELLIOTTI VAR. DENSA
QG	QUERCUS GEMINATA
QM	QUERCUS MYRTIFOLIA
QV	QUERCUS VIRGINIANA
SP	SABAL PALMETTO
TD	TAXODIUM DISTYCHUM
SHRUBS	
CA	CALLICARPA AMERICANA
CC	CONRADINA CANESCENS
IGS	ILEX GLABRA 'SHAMROCK'
IVN	ILEX VOMITORIA 'NANA'
IVL	ITEA VIRGINICA 'LITTLE HENRY"
SR	SERENOA REPENS
VD	VACCINEUM DARROWII
VM	VACCINEUM MYRSINITES
YF	YUCCA FILAMENTOSA
GRASSES AND SEDGES	
AT2	ANDROPOGON TERNARIUS
DS	DISTICHLIS SPICATA
ES	EROGRASTIS SPECTABILIS
MC	MUHLENBERGIA CAPILLARIS
RC	RHYNCHOSPORA COLORATA
SB	SPARTINA BAKERI
SP1	SPARTINA PATENS
TF	TRIPSACUM FLORIDANUM
HERBACEOUS	
AT	ASCLEPIAS TUBEROSA
HD	HELIANTHUS DEBILIS
HM	HIBISCUS MOSCHEUTOS
PG	PITYOPSIS GRAMINIFOLIA
SS	SOLIDAGO SEMPERVIRENS
TK	THELYPTERIS KUNTHII
TURF	PASPALUM 'SEASTAR'

30 0 30 60

KEY PLAN



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Sheet Name
PLANTING PLAN
- AREA 1

Scale
1" = 30'-0"

Sheet Number
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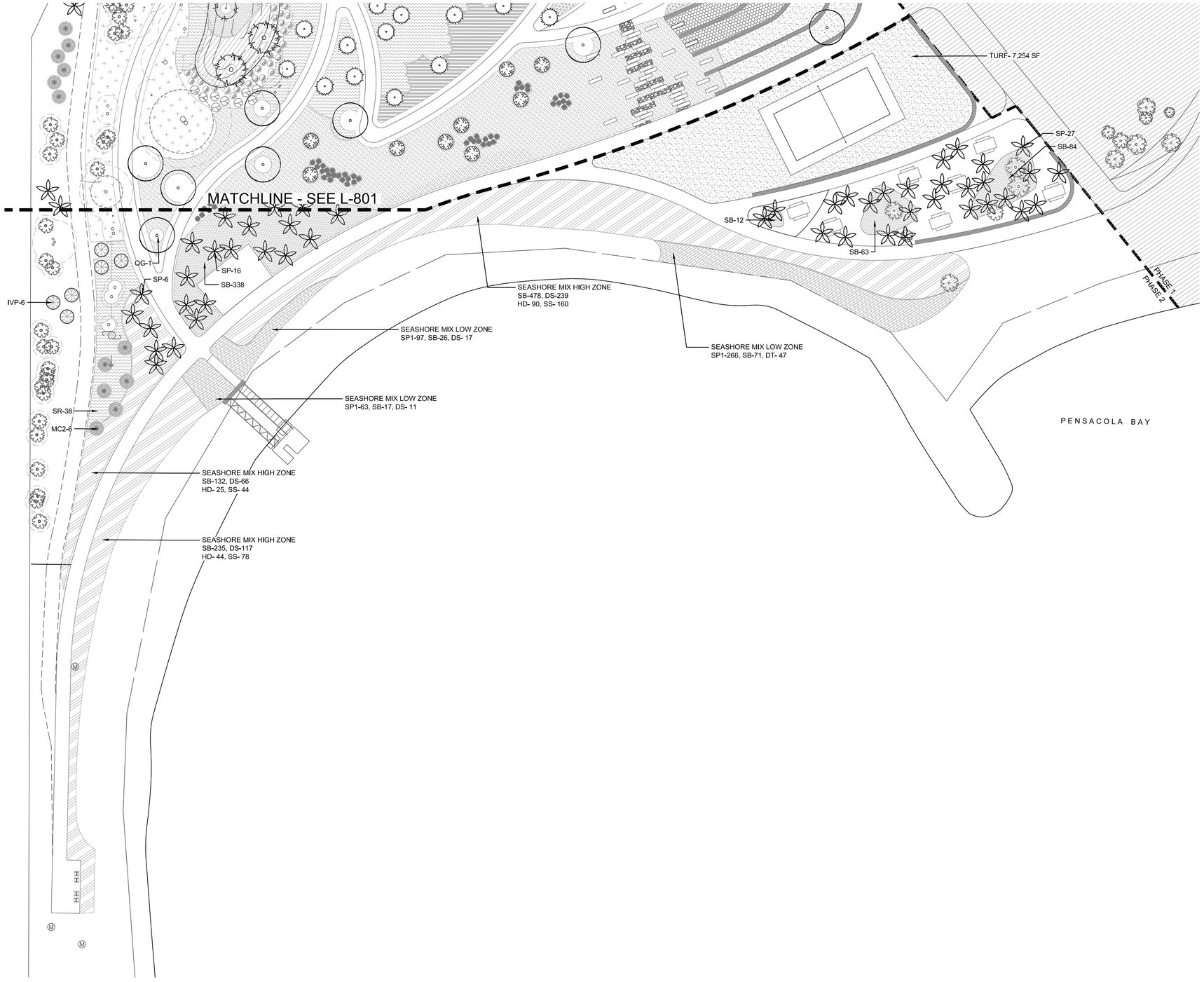
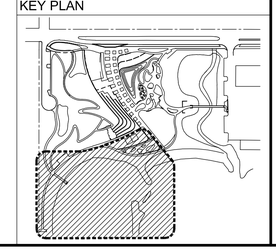


ABBREV.	BOTANICAL NAME
TREES & PALMS	
ARD	ACER RUBRUM VAR. DRUMMONDI
CV	CHIONANTHUS VIRGINICUS
DV	DIOSPYROS VIRGINIANA
IVP	ILEX VOMITORIA 'PRIDE OF HOUSTON'
IC	ILEX CASSINE
MV	MAGNOLIA VIRGINIANA
MC2	MYRICA CERIFERA
PED	PINUS ELLIOTTI VAR. DENSA
QG	QUERCUS GEMINATA
QM	QUERCUS MYRTIFOLIA
QV	QUERCUS VIRGINIANA
SP	SABAL PALMETTO
TD	TAXODIUM DISTYCHUM
SHRUBS	
CA	CALLICARPA AMERICANA
CC	CONRADINA CANESCENS
IGS	ILEX GLABRA 'SHAMROCK'
IVN	ILEX VOMITORIA 'NANA'
IVL	ITEA VIRGINICA 'LITTLE HENRY"
SR	SERENOA REPENS
VD	VACCINEUM DARROWII
VM	VACCINEUM MYRSINITES
YF	YUCCA FILAMENTOSA
GRASSES AND SEDGES	
AT2	ANDROPOGON TERNARIUS
DS	DISTICHLIS SPICATA
ES	EROGRASTIS SPECTABILIS
MC	MUHLENBERGIA CAPILLARIS
RC	RHYNCHOSPORA COLORATA
SB	SPARTINA BAKERI
SP1	SPARTINA PATENS
TF	TRIPSACUM FLORIDANUM
HERBACEOUS	
AT	ASCLEPIAS TUBEROSA
HD	HELIANTHUS DEBILIS
HM	HIBISCUS MOSCHEUTOS
PG	PITYOPSIS GRAMINIFOLIA
SS	SOLIDAGO SEMPERVIRENS
TK	THELYPTERIS KUNTHII
TURF	PASPALUM 'SEASTAR'

30 0 30 60

KEY PLAN



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Sheet Name
PLANTING PLAN
- AREA 2

Scale
1" = 30'-0"

Sheet Number
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	ABBREV.	BOTANICAL NAME	COMMON NAME	QTY	SIZE	TYPE	SPACING	NOTES
TREES & PALMS								
	ARD	ACER RUBRUM VAR. DRUMMONDI	DRUMMONDI RED MAPLE	3	3" Cal	B&B	PER PLAN	
	CV	CHIONANTHUS VIRGINICUS	WHITE FRINGE TREE	6	8' HT	B&B	PER PLAN	MULTISTEM
	DV	DIOSPYROS VIRGINIANA	COMMON PERSIMMON	2	2" CAL	B&B	PER PLAN	
	IVP	ILEX VOMITORIA 'PRIDE OF HOUSTON'	PRIDE OF HOUSTON YAUPON HOLLY	11	6' HT	CONT.	PER PLAN	MULTISTEM
	IC	ILEX CASSINE	CASSINE HOLLY	3	8' HT	CONT.	PER PLAN	MULTISTEM
	MV	MAGNOLIA VIRGINIANA	SWEETBAY MAGNOLIA	6	10' HT	B&B	PER PLAN	MULTISTEM
	MC2	MYRICA CERIFERA	WAX MYRTLE	12	8' HT	B&B	PER PLAN	MULTISTEM
	PED	PINUS ELLIOTTI VAR. DENSA	FLORIDA SLASH PINE	53	10' HT	B&B	PER PLAN	
	QG	QUERCUS GEMINATA	SAND LIVE OAK	14	3" CAL	B&B	PER PLAN	
	QM	QUERCUS MYRTIFOLIA	MYRTLE OAK	9	5' HT	B&B	PER PLAN	
	QV	QUERCUS VIRGINIANA	LIVE OAK	1	3" CAL	B&B	PER PLAN	
	SP	SABAL PALMETTO	CABBAGE PALM	70	8'-14" HT	B&B	PER PLAN	
	TD	TAXODIUM DISTYCHUM	BALD CYPRESS	6	3" CAL	B&B	PER PLAN	
SHRUBS								
	CA	CALLICARPA AMERICANA	BEAUTYBERRY	48	#3	CONT	5' OC	
	CC	CONRADINA CANESCENS	FALSE ROSEMARY	201	#1	CONT	3' OC	
	IGS	ILEX GLABRA 'SHAMROCK'	SHAMROCK INKBERRY	180	#3	CONT	4' OC	
	IVN	ILEX VOMITORIA 'NANA'	DWARF YAUPON HOLLY	137	#3	CONT	3' OC	
	IVL	ITEA VIRGINICA 'LITTLE HENRY'	LITTLE HENRY SWEETSPIRE	327	#3	CONT	3' OC	
	SR	SERENOA REPENS	SAW PALMETTO	922	#1	CONT	5' OC	
	VD	VACCINEUM DARROWII	DARROW'S BLUEBERRY	1123	#1	CONT	2' OC	
	VM	VACCINEUM MYRSINITES	SHINY BLUEBERRY	477	#1	CONT	2' OC	
	YF	YUCCA FILAMENTOSA	ADAMS NEEDLE	65	#1	CONT	3' OC	
GRASSES AND SEDGES								
	AT2	ANDROPOGON TERNARIUS	SPILTBEARD BLUESTEM	1738	2.22"WX4"D	PLUG	2' OC	
	DS	DISTICHLIS SPICATA	SALTGRASS	497	2.22"WX4"D	PLUG	3' OC	
	ES	EROGRASTIS SPECTABILIS	PURPLE LOVEGRASS	228	2.22"WX4"D	PLUG	18" OC	
	MC	MUHLENBERGIA CAPILLARIS	GULF MUHLY	1060	#1	CONT	3' OC	
	RC	RHYNCHOSPORA COLORATA	WHITETOPPED SEDGE	225	2.22"WX4"D	PLUG	18" OC	
	SB	SPARTINA BAKERI	SAND CORDGRASS	2217	#1	CONT	3' OC	
	SP1	SPARTINA PATENS	SALTMEADOW CORDGRASS	426	2.22"WX4"D	PLUG	2' OC	
	TF	TRIPSACUM FLORIDANUM	DWARF FAKAHATCHEE GRASS	378	#1	CONT	3' OC	
HERBACEOUS								
	AT	ASCLEPIAS TUBEROSA	BUTTERFLYWEED	228	#1	CONT	18" OC	
	HD	HELIANTHUS DEBILIS	BEACH SUNFLOWER	603	#1	CONT	2' OC	
	HM	HIBISCUS MOSCHEUTOS	SWAMP ROSE MALLOW	48	#1	CONT	3' OC	
	PG	PITYOPSIS GRAMINIFOLIA	NARROWLEAF SILKGRASS	151	#1	CONT	2' OC	
	SS	SOLIDAGO SEMPERVIRENS	SEASIDE GOLDENROD	802	#1	CONT	18" OC	
	TK	THELYPTERIS KUNTHII	SOUTHERN SHIELD FERN	414	2.22"WX4"D	PLUG	2' OC	
TURF		PASPALUM 'SEASTAR'	SEASTAR SEASHORE PASPALUM	16,536 SF			SOD	

INVASIVE SPECIES REMOVAL NOTES:

1. CONTRACTOR SHALL SUBMIT AN INVASIVE SPECIES REMOVAL PLAN FOR APPROVAL.
2. PLAN SHALL INDICATE SPECIES PRESENT AND MULTI-STEP PROCESS FOR TREATMENT AND ERADICATION.
3. PLAN SHALL BE LIMITED TO AREAS SHOWN IN THE LANDSCAPE PLAN, ESSENTIALLY COVERING THE AREAS WHERE SITE GRADING AND CLEARING WILL NOT TAKE PLACE.
4. THE TREATMENT PLAN SHOULD START WITHIN 60 DAYS OF NTP.
5. IF THE PROPOSED TREATMENT PLAN LASTS LONGER THAN THE PERIOD OF CONSTRUCTION, TREATMENT SHALL CONTINUE THROUGH THE LANDSCAPE MAINTENANCE PERIOD.
6. TREATMENT LOCATIONS SHALL BE DELINEATED WITH MARKING TAPE OR PAINT AND SHALL BE MARKED IN THE PLANS.
7. AT A MINIMUM, SPECIES ANTICIPATED FOR TREATMENT INCLUDE CHINABERRY AND CHINESE PRIVET; SPECIES LISTED IN FL RULE 5B-57.007 SHALL ALSO BE TREATED, IF PRESENT.
8. TREATMENT SHALL BE SELECTIVE AND MINIMIZE IMPACT TO THE SURROUNDING NATIVE SPECIES.

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PHASE TWO

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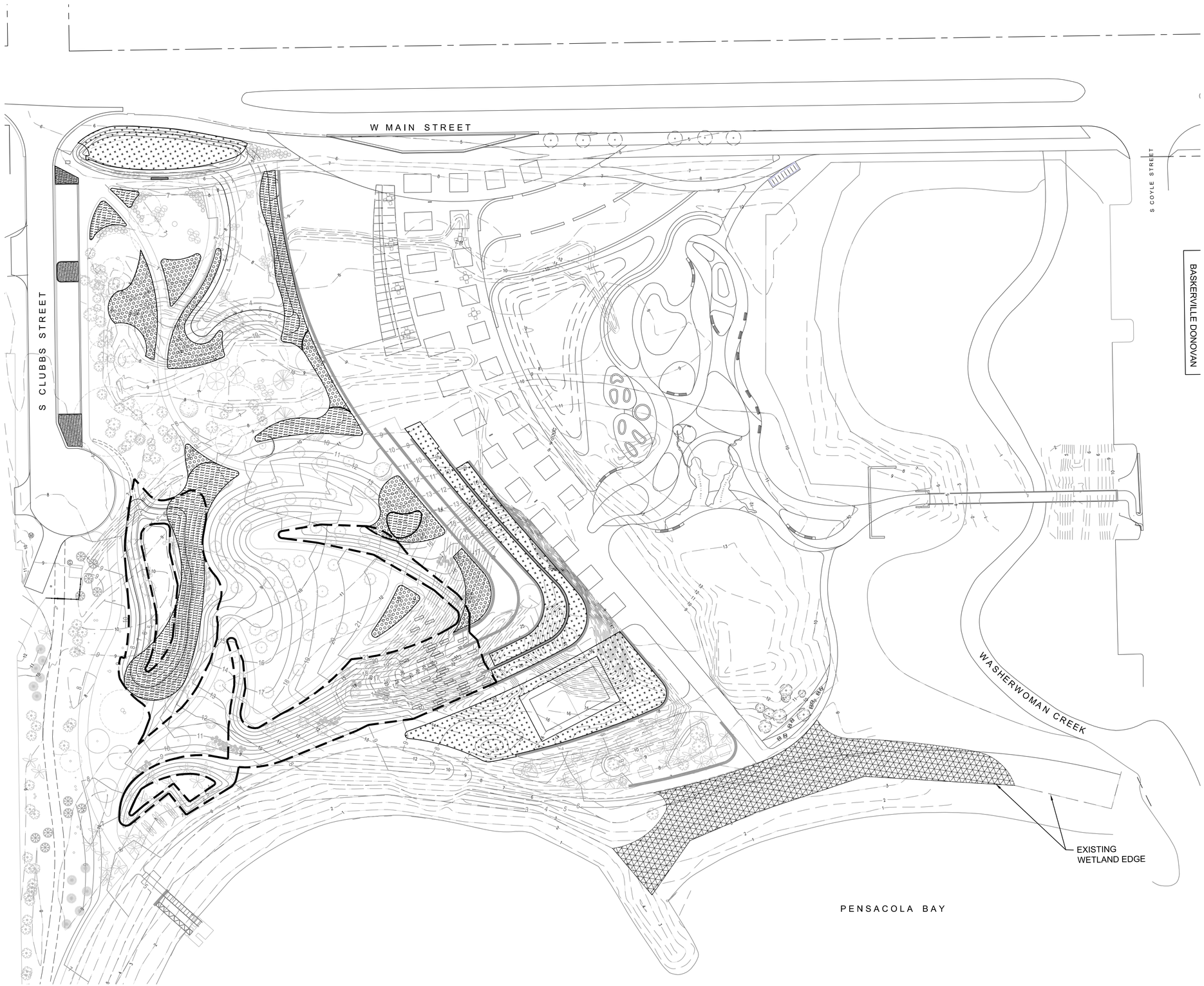
Sheet Name
PLANTING SCHEDULE

Scale
N/A

Sheet Number
L-805



PHASE 2 - SOIL AMENDMENT KEY

IMPROVED PLANT BEDS:

1. INCORPORATE 2" COMPOST PER SPECIFICATION 32 90 00.
2. INCLUDE FERTILIZER AND LIME AS REQUIRED BY SOIL TESTING REPORT.

BLUEBERRY PLANTINGS:

1. INCORPORATE 6" OF AGED PINE BARK SOIL CONDITIONER PER SPECIFICATION 32 90 00.

LAWN

1. INCORPORATE 2" COMPOST, FERTILIZER, AND LIME PER SPECIFICATION 32 92 00.

BEACH SAND IMPROVEMENT

1. OUTSIDE LIMITS OF WETLAND LINE: SCREEN TO A DEPTH OF 12" AND REMOVE DEBRIS 1" DIAMETER AND LARGER. ADD ADDITIONAL BEACH SAND TO MEET GRADING REQUIREMENTS. SAND SHALL BE OF SIMILAR COLOR AND COMPOSITION OF EXISTING SAND.

LIMIT OF JUTE MATTING
1. PLACE ON SLOPES 4;1 AND GREATER

GENERAL NOTES:

1. ALL PLANTED AREAS SHALL HAVE A MINIMUM OF 4" OF TOPSOIL PER SPECIFICATION 32 90 00.
2. PLANTED AREAS THAT ARE NOT IDENTIFIED FOR SOIL AMENDMENTS ON THIS PLAN SHALL HAVE NO AMENDMENTS, FERTILIZER, OR LIME ADDED. THEY SHOULD ONLY INCLUDE 4" OF TOPSOIL.

30 0 30 60

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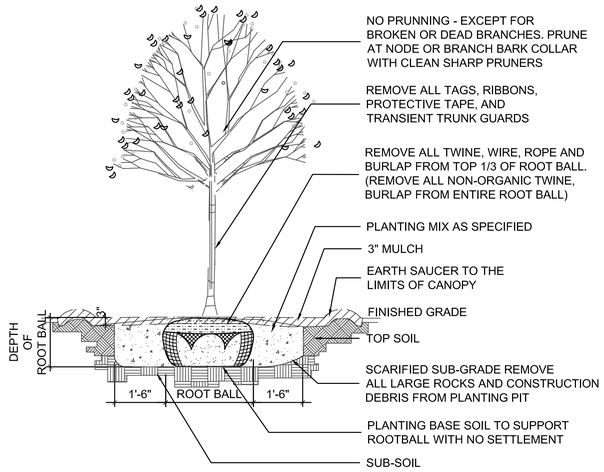
SOIL AMENDMENT PLAN

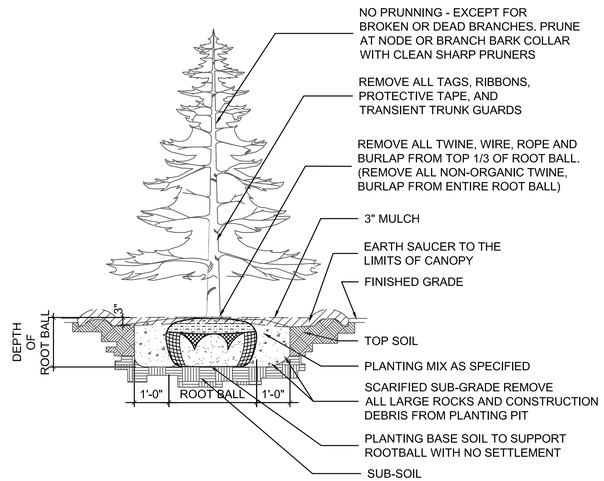
Scale
1" = 30'-0"

Sheet Number
L-815



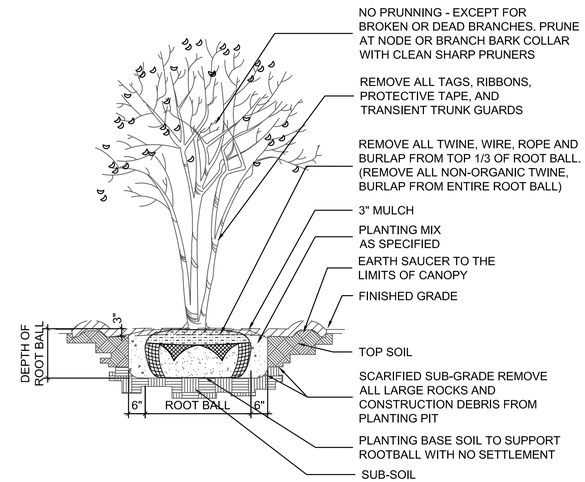
NOTES:
1. NO SOIL OR MULCH SHALL BE PLACED AGAINST ROOT COLLAR OF PLANT.
2. REMOVE ALL ROPE FROM TRUNK & TOP OF ROOT BALL. FOLD BURLAP BACK BELOW GRADE.
3. STAKING IS NOT REQUIRED UNLESS PROPER VERTICAL ALIGNMENT OF PLANT CANNOT BE MAINTAINED DUE TO WINDY CONDITIONS, OR IF PLANTING ON A STEEP SLOPE STAKING MAY BE REQUIRED. SEE DETAIL

5 SHADE TREE PLANTING
NTS



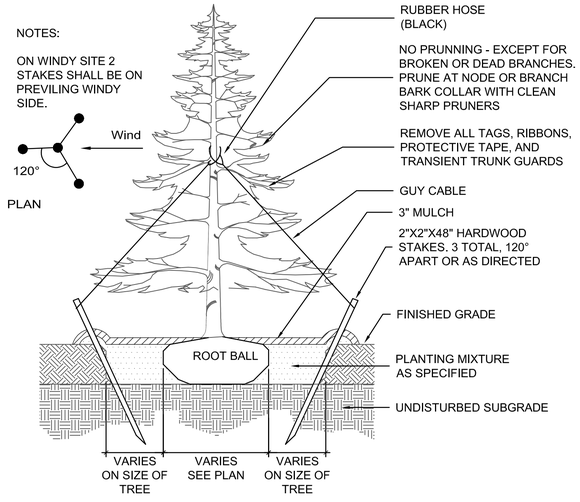
NOTES:
1. NO SOIL OR MULCH SHALL BE PLACED AGAINST ROOT COLLAR OF PLANT.
2. REMOVE ALL ROPE FROM TRUNK & TOP OF ROOT BALL. FOLD BURLAP BACK BELOW GRADE.
3. STAKING IS NOT REQUIRED UNLESS PROPER VERTICAL ALIGNMENT OF PLANT CANNOT BE MAINTAINED DUE TO WINDY CONDITIONS, OR IF PLANTING ON A STEEP SLOPE STAKING MAY BE REQUIRED. SEE DETAIL

3 EVERGREEN TREE PLANTING
NTS



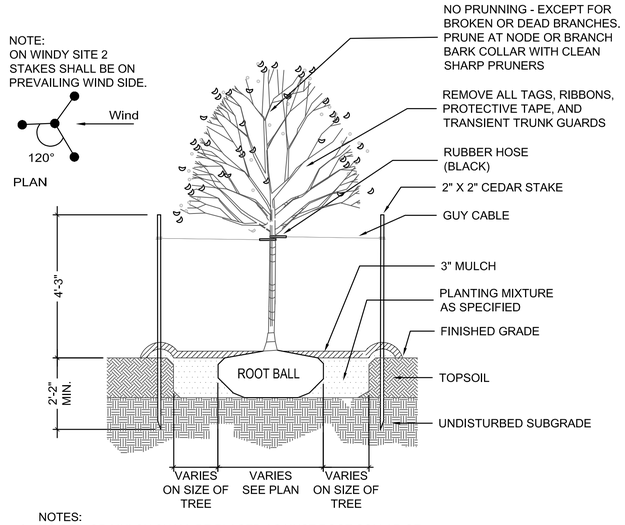
NOTES:
1. NO SOIL OR MULCH SHALL BE PLACED AGAINST ROOT COLLAR OF PLANT.
2. REMOVE ALL ROPE FROM TRUNK & TOP OF ROOT BALL. FOLD BURLAP BACK BELOW GRADE.
3. STAKING IS NOT REQUIRED UNLESS PROPER VERTICAL ALIGNMENT OF PLANT CANNOT BE MAINTAINED DUE TO WINDY CONDITIONS, OR IF PLANTING ON A STEEP SLOPE STAKING MAY BE REQUIRED. SEE DETAIL

1 UNDERSTORY TREE PLANTING
NTS



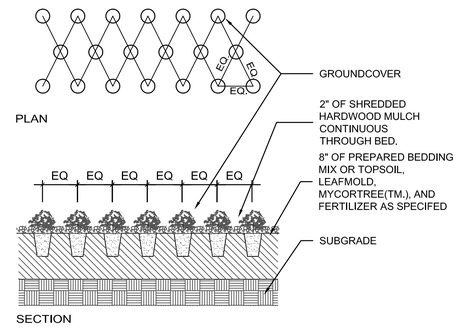
NOTES:
1. NO SOIL OR MULCH SHALL BE PLACED AGAINST ROOT COLLAR OF PLANT.
2. REMOVE ALL ROPE FROM TRUNK & TOP OF ROOT BALL. FOLD BURLAP BACK BELOW GRADE.
3. SEE RELATED PLANTING DETAILS PER TREE SIZE FOR ALL OTHER RELATED DETAILS AND DEPTHS FOR TREE PLANTING.

6 EVERGREEN TREE STAKING
NTS



NOTES:
1. NO SOIL OR MULCH SHALL BE PLACED AGAINST ROOT COLLAR OF PLANT.
2. REMOVE ALL ROPE FROM TRUNK & TOP OF ROOT BALL. FOLD BURLAP BACK BELOW GRADE.
3. SEE RELATED PLANTING DETAILS PER TREE SIZE FOR ALL OTHER RELATED DETAILS AND DEPTHS FOR TREE PLANTING.

4 SHADE TREE STAKING
NTS



NOTE:
1. GROUNDCOVER MUST BE PLANTED IN BEDDING MIX OR TOPSOIL NOT MULCH.
2. ON-CENTER SPACING IS INDICATED ON PLANT LIST.

2 GROUNDCOVER PLANTING
NTS

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25 W. Cedar Street, Suite 200
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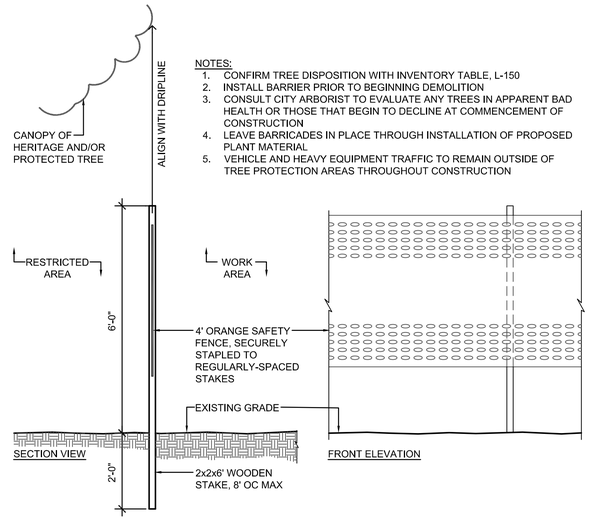
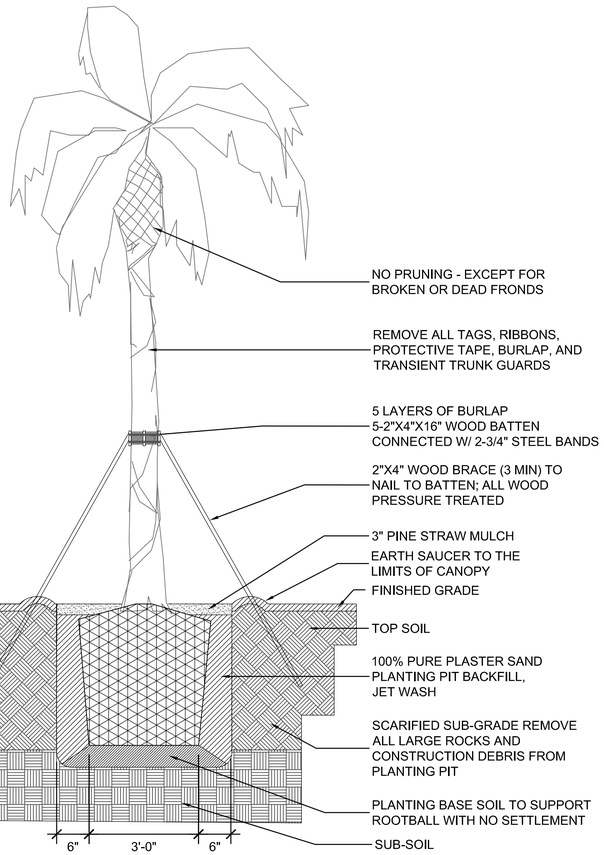


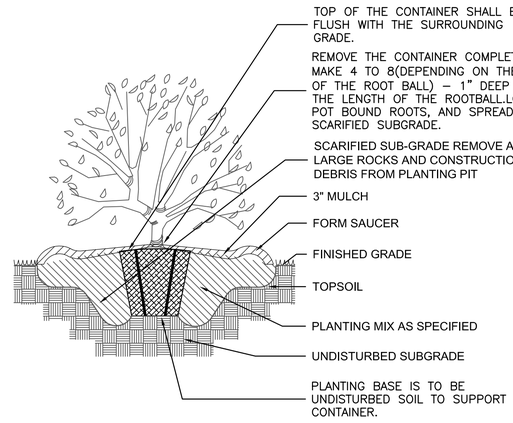
NOTES:
1. CONFIRM TREE DISPOSITION WITH INVENTORY TABLE, L-150
2. INSTALL BARRIER PRIOR TO BEGINNING DEMOLITION
3. CONSULT CITY ARBORIST TO EVALUATE ANY TREES IN APPARENT BAD HEALTH OR THOSE THAT BEGIN TO DECLINE AT COMMENCEMENT OF CONSTRUCTION
4. LEAVE BARRICADES IN PLACE THROUGH INSTALLATION OF PROPOSED PLANT MATERIAL
5. VEHICLE AND HEAVY EQUIPMENT TRAFFIC TO REMAIN OUTSIDE OF TREE PROTECTION AREAS THROUGHOUT CONSTRUCTION

1 TREE PROTECTION BARRIER
NTS

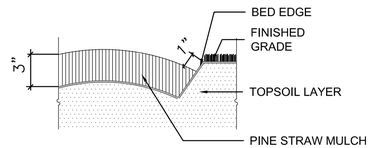


NOTES:
1. NO SOIL OR MULCH SHALL BE PLACED AGAINST ROOT COLLAR OF PLANT.
2. REMOVE ALL TWINE, WIRE, ROPE AND BURLAP FROM TOP 1/3 OF ROOT BALL (REMOVE ALL NON-ORGANIC TWINE, BURLAP FROM ENTIRE ROOT BALL); FOLD BURLAP BACK BELOW GRADE.

4 PALM TREE PLANTING
NTS



2 SHRUB PLANTING
NTS



3 EDGE DETAIL
NTS

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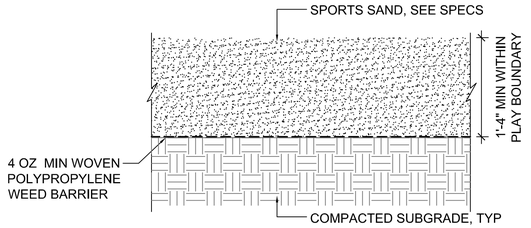
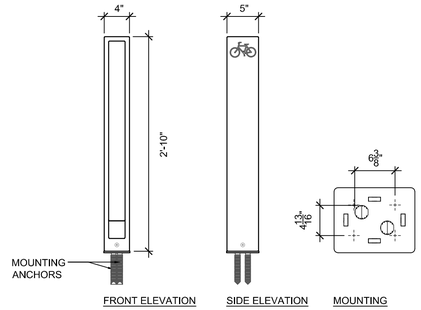
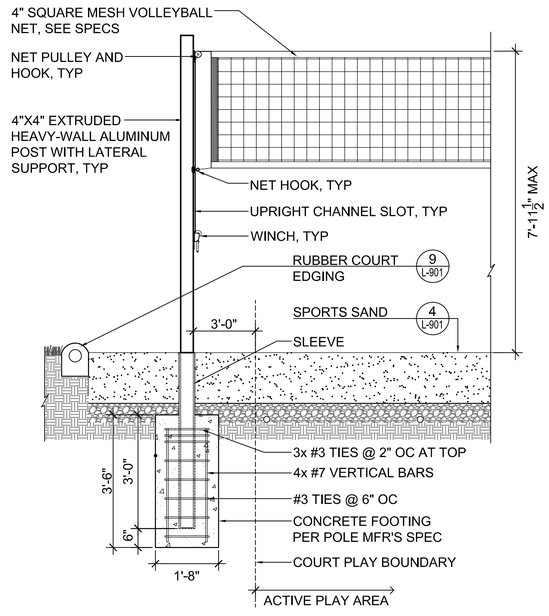


4 SPORTS SAND
NTS

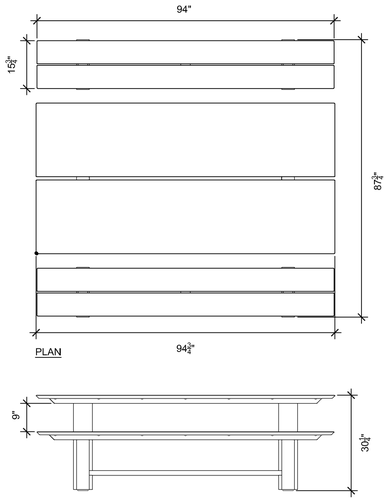


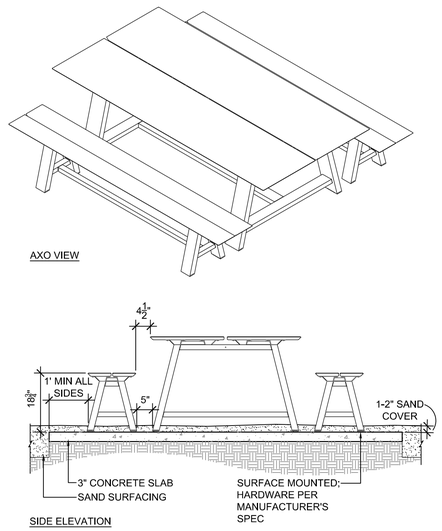
MANUFACTURER: FORMS + SURFACES
MODEL: CAPITOL
(OR APPROVED EQUAL)
FINISH: SILVER TEXTURE POWDERCOAT
MOUNTING: EMBED

1 BIKE RACK
NTS



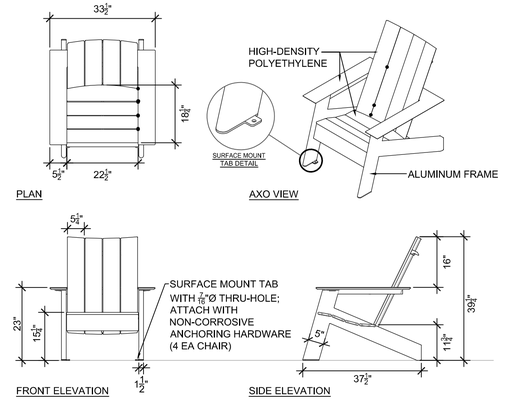
8 VOLLEYBALL COURT SECTION
NTS





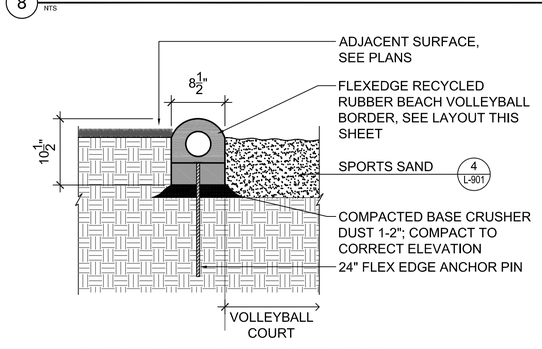
MANUFACTURER: LANDSCAPE FORMS / LOLL DESIGNS
MODEL: HARVEST PICNIC TABLE WITH 2 BENCHES EACH; DINING HEIGHT, NO LIGHT OR BAG HANGERS
(OR APPROVED EQUAL)
MATERIAL: HIGH-DENSITY POLYETHYLENE (HDPE)
FINISH: LEAF GREEN
MOUNTING: SURFACE, TO SLAB DEPRESSED BELOW SAND

5 PICNIC TABLE
NTS



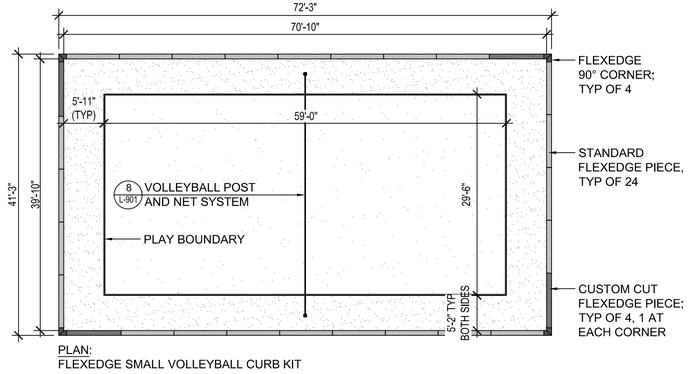
MANUFACTURER: LANDSCAPE FORMS / LOLL DESIGNS
MODEL: AMERICANA CHAIR
(OR APPROVED EQUAL)
MATERIAL: HIGH-DENSITY POLYETHYLENE (HDPE)
FINISH: TBD
MOUNTING: SURFACE

2 LOUNGE CHAIR
NTS



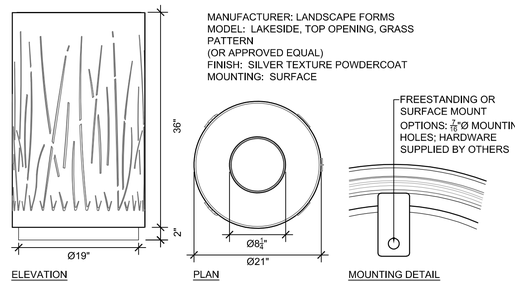
MANUFACTURER: SPORTS EDGE, OR APPROVED EQUAL
MODEL: FLEXEDGE STANDARD SAND VOLLEYBALL KIT
APPLY UV TOPCOAT UPON INSTALLATION PER MANUFACTURER

9 VOLLEYBALL COURT EDGING
NTS



PLAN:
FLEXEDGE SMALL VOLLEYBALL CURB KIT

6 VOLLEYBALL COURT LAYOUT
NTS



MANUFACTURER: LANDSCAPE FORMS
MODEL: LAKESIDE, TOP OPENING, GRASS PATTERN
(OR APPROVED EQUAL)
FINISH: SILVER TEXTURE POWDERCOAT
MOUNTING: SURFACE

3 TRASH & RECYCLING RECEPTACLES
NTS

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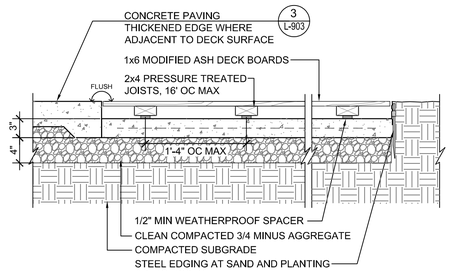
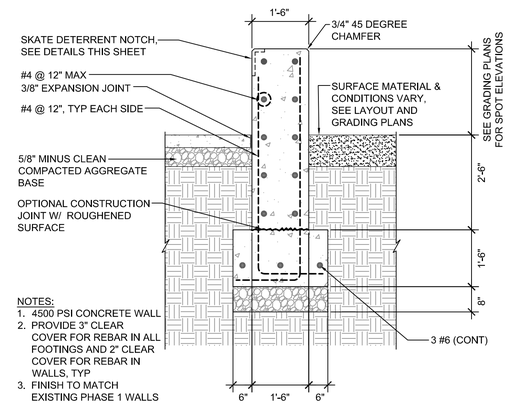


NOTES:

1. ALL MEMBERS SHALL HAVE PRE-DRILLED HOLES TO PREVENT SPLITTING DURING CONSTRUCTION
2. DECKING TO BE ATTACHED TO JOISTS USING GALVANIZED SCREWS AND HARDWARE
3. ALL WOODEN MEMBERS SHALL BE BOLTED OR SCREWED TOGETHER WITH STAINLESS STEEL HARDWARE; NO NAIL CONNECTIONS
4. SITE SOIL PROPERTIES ARE ASSUMED TO SUPPORT FOUNDATION LOADS; REFER TO GEOTECHNICAL REPORT
5. DECKING MATERIAL AND FINISH TO MATCH PHASE 1 DECK SURFACES

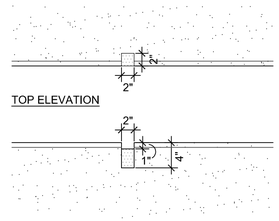
5 DECK
NTS



NOTES:

1. 4500 PSI CONCRETE WALL
2. PROVIDE 3" CLEAR COVER FOR REBAR IN ALL FOOTINGS AND 2" CLEAR COVER FOR REBAR IN WALLS, TYP
3. FINISH TO MATCH EXISTING PHASE 1 WALLS

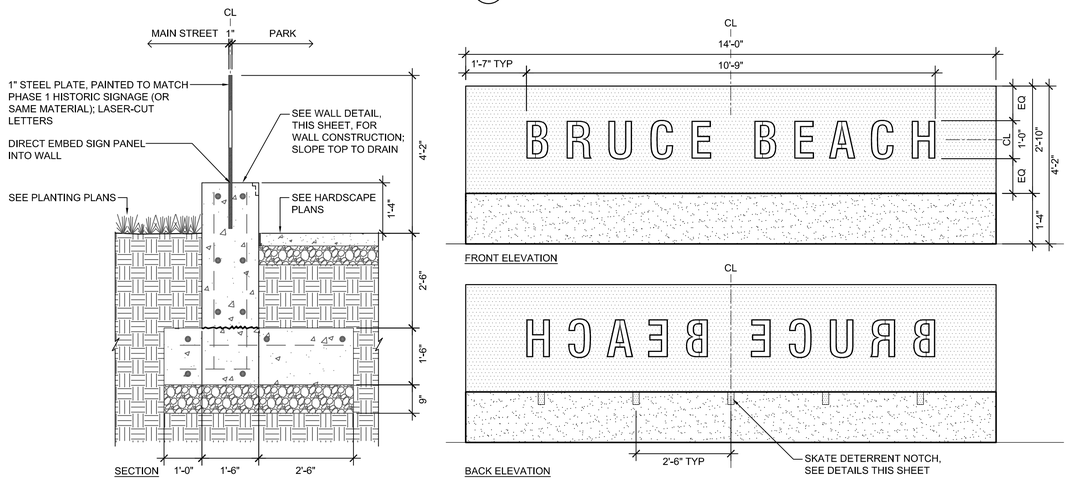
2 FREESTANDING SEAT WALL
NTS



NOTES:

1. PLACE VERTICAL REBAR RELATIVE TO SPECIFIED SKATE NOTCH LOCATIONS SO THAT CONSTRUCTED NOTCH IS MIDWAY BETWEEN VERTICAL REBAR AND REBAR MAINTAINS A MIN 2" CLEAR FROM ALL CONCRETE EDGES.
2. PLACE HORIZONTAL REBAR RELATIVE TO SPECIFIED SKATE NOTCH LOCATIONS, SUCH THAT REBAR AVOIDS EACH NOTCH LOCATION (CUT OR STOP SHORT) AND REBAR MAINTAINS A MIN 2" CLEAR FROM ALL CONCRETE EDGES.
3. SLOPE NOTCH TO DRAIN.

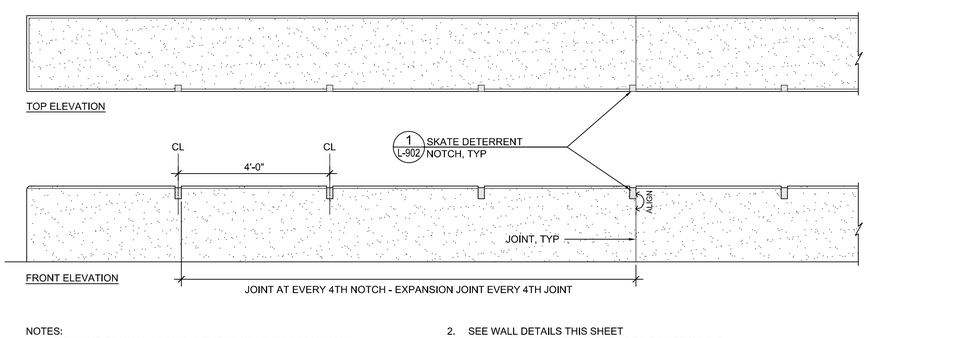
1 SKATE-DETERRENT NOTCH
NTS



NOTES:

1. REFER TO WALL DETAILS ON L-902 FOR WALL CONSTRUCTION
2. NATURAL GRAY CONCRETE, LIGHT SANDBLAST FINISH
3. SUBMIT FULL-SCALE SHOP DRAWINGS FOR REVIEW AND APPROVAL
4. STAKE LOCATION AND SIGN FOOTPRINT FOR REVIEW AND APPROVAL; SUBJECT TO FIELD ADJUSTMENT
5. CONFIRM RIGHT-OF-WAY AND UTILITY LOCATIONS AND OFFSETS
6. 'MOON BOLD' FONT PER PHASE ONE HISTORIC SIGNAGE DESIGN, OR APPROVED ALTERNATE

6 MONUMENT SIGN
NTS



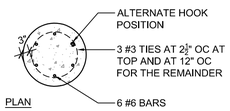
NOTES:

1. MOCK-UP OF WALL SEGMENT SHOWING MINIMUM 3 NOTCH INTERVALS AND ONE JOINT TO BE REVIEWED AND APPROVED PRIOR TO CONSTRUCTION OF WALLS PER PLAN
2. SEE WALL DETAILS THIS SHEET
3. JOINTS TO ALIGN WITH RIGHT EDGE OF NOTCH, TYP
4. FINISH TO MATCH EXISTING PHASE 1 WALLS

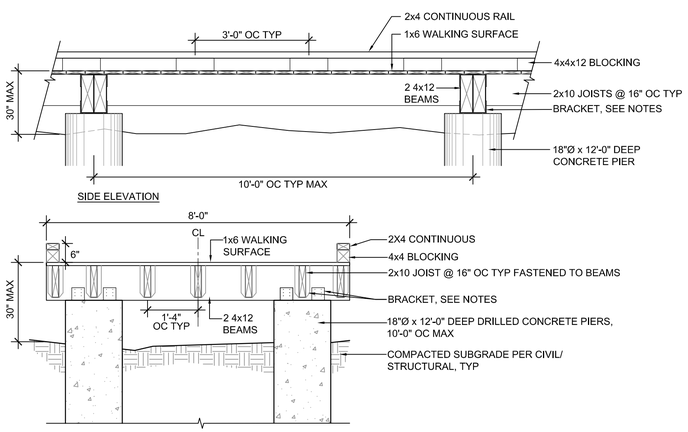
3 SKATE-DETERRENT NOTCH LAYOUT AT WALLS ADJACENT TO PAVING
NTS

NOTES:

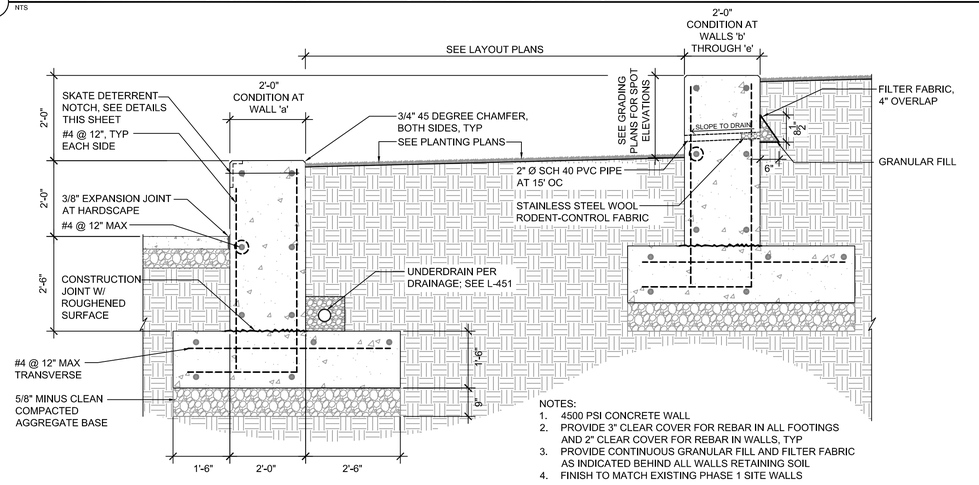
1. MINIMUM PILE PENETRATION DEPTH FOR PIERS PER GEOTECHNICAL ENGINEER
2. ALL MEMBERS SHALL HAVE PRE-DRILLED HOLES TO PREVENT SPLITTING DURING CONSTRUCTION
3. DECKING TO BE ATTACHED TO JOISTS USING GALVANIZED SCREWS AND HARDWARE
4. ALL WOODEN MEMBERS SHALL BE BOLTED OR SCREWED TOGETHER, NO NAIL CONNECTIONS
5. TIMBER BOARDWALK IS DESIGNED IN ACCORDANCE WITH AASHTO STANDARD SPECIFICATIONS; MIN LIVE LOAD 60 PSF
6. SITE SOIL PROPERTIES ARE ASSUMED TO SUPPORT FOUNDATION LOADS; REFER TO GEOTECHNICAL REPORT
7. BRACKETS AND HANGERS TO BE STAINLESS STEEL OR G90 COATED GALVANIZED; FASTENERS SHALL BE STAINLESS STEEL
8. DECK BOARDS TO BE LAID BARK SIDE UP



PLAN



7 BOARDWALK
NTS



NOTES:

1. 4500 PSI CONCRETE WALL
2. PROVIDE 3" CLEAR COVER FOR REBAR IN ALL FOOTINGS AND 2" CLEAR COVER FOR REBAR IN WALLS, TYP
3. PROVIDE CONTINUOUS GRANULAR FILL AND FILTER FABRIC AS INDICATED BEHIND ALL WALLS RETAINING SOIL
4. FINISH TO MATCH EXISTING PHASE 1 SITE WALLS

4 TERRACE RETAINING WALLS
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HDR
25 W. Cedar Street, Suite 200
Pensacola, FL 32502

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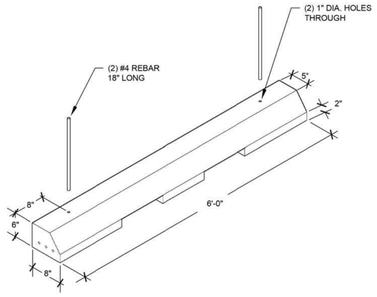
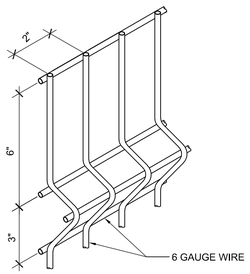
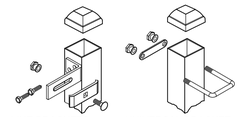


NOTES:
1. 6-FOOT PRECAST CONCRETE WHEEL STOP WITH UNDER-DRAINS
2. APPROX WEIGHT: 262 LBS
3. CLASS 'FSC' CONCRETE
4. REINFORCED WITH 3 #3 RODS

7 PRECAST CONCRETE WHEEL STOP
NTS

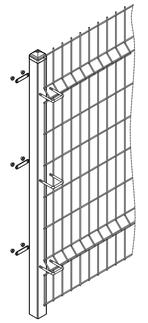


MESH ENLARGEMENT



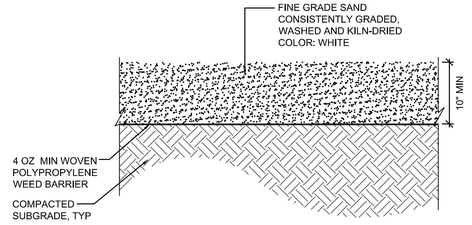
LINE BRACKETS UNIVERSAL BRACKET

POST BRACKETS

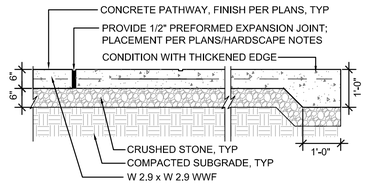


PANEL/POST ATTACHMENT

6 WIRE MESH FENCE COMPONENTS/ASSEMBLY
NTS

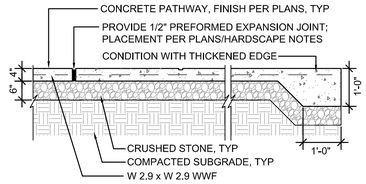


1 SAND SURFACING
NTS



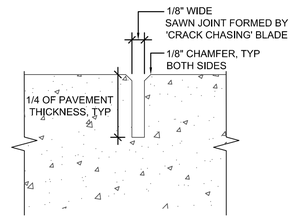
NOTE:
ALL CONCRETE SHALL BE A MINIMUM OF 3000 PSI AT 28 DAYS WITH FIBER MESH

2 VEHICULAR CONCRETE PAVING
NTS

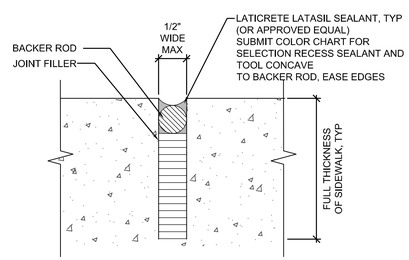


NOTE:
ALL CONCRETE SHALL BE A MINIMUM OF 3000 PSI AT 28 DAYS WITH FIBER MESH

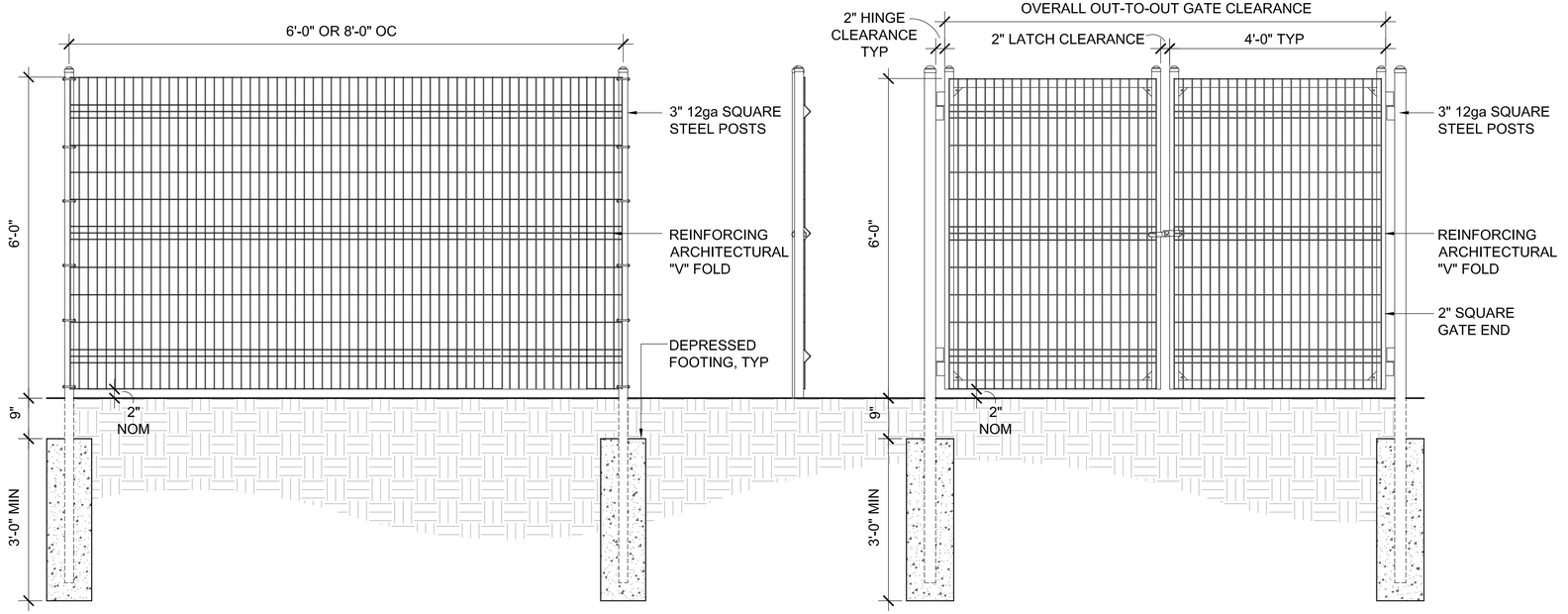
3 PEDESTRIAN CONCRETE PAVING
NTS



4 CONTROL JOINT
NTS



5 EXPANSION JOINT
NTS



FENCE SECTION/ELEVATION

DOUBLE-GATE SECTION/ELEVATION

NOTES:
1. PRODUCT: AMERISTAR WIRE WORKS OR APPROVED EQUAL
2. GATE POST SIZING DEPENDS UPON FENCE HEIGHT, WEIGHT AND WIND LOADS; CONFIRM WITH MANUFACTURER
3. SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL
4. STAKE LAYOUT FOR APPROVAL
5. COLOR: BLACK

8 WIRE MESH FENCE AND GATE
NTS

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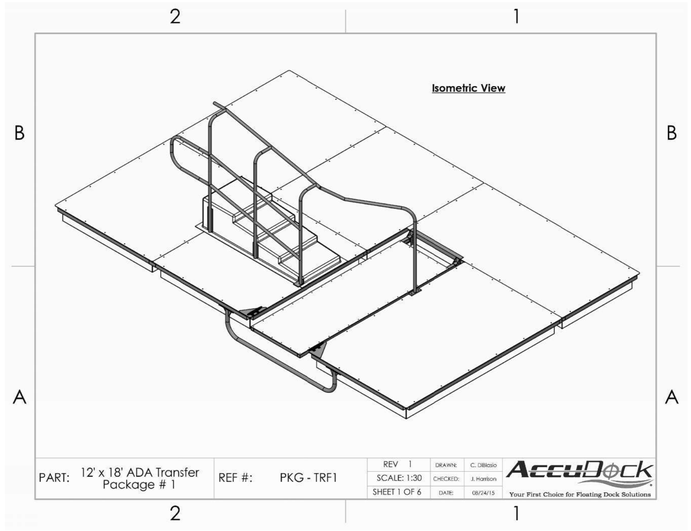
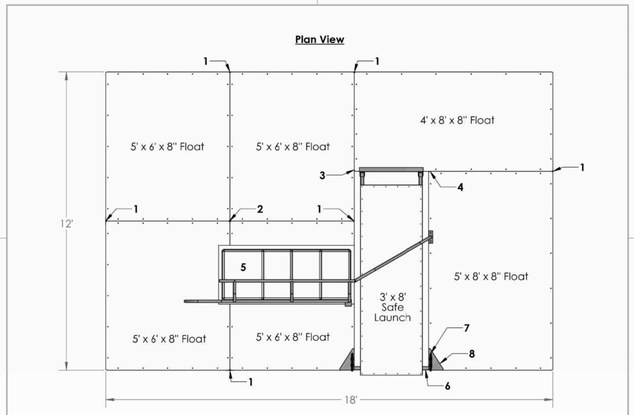
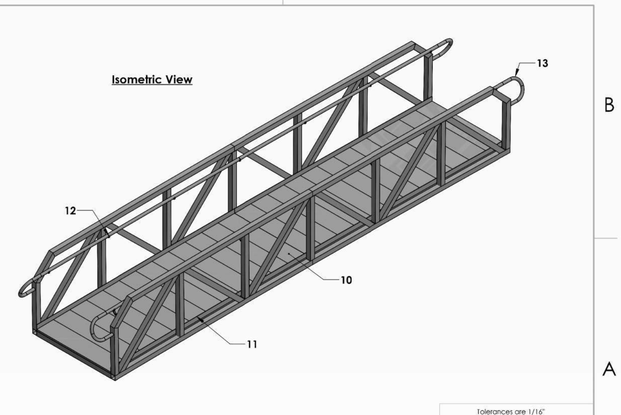


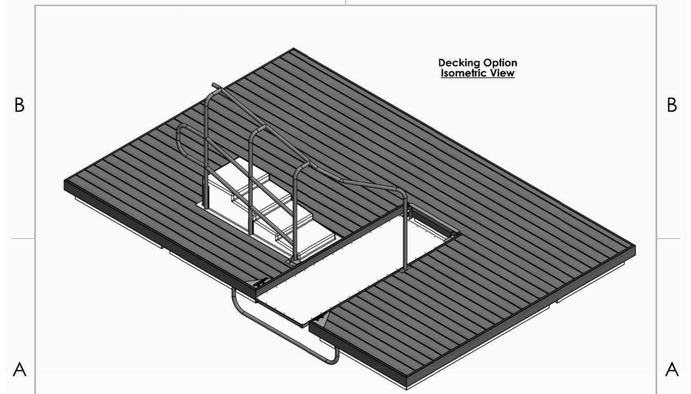
PART: 12' x 18' ADA Transfer Package # 1	REF #: PKG - TRF1	REV 1	DRAWN:	C. DiBiasio	AccuDock Your First Choice for Floating Dock Solutions
		SCALE: 1:30	CHECKED:	J. Harrison	
		SHEET 1 OF 6	DATE:	08/24/15	



PART: 12' x 18' ADA Transfer Package # 1	REF #: PKG - TRF1	REV 1	DRAWN:	C. DiBiasio	AccuDock Your First Choice for Floating Dock Solutions
		SCALE: 1:30	CHECKED:	J. Harrison	
		SHEET 2 OF 6	DATE:	08/24/15	



PART: ADA Gangway	REF #: NA	REV 1	DRAWN:	C. DiBiasio	Tolerances are 1/16" Unless specified otherwise AccuDock Your First Choice for Floating Dock Solutions
		SCALE: 1:32	CHECKED:	J. Harrison	
		SHEET 1 OF 6	DATE:	03/04/16	



PART: 12' x 18' ADA Transfer Package # 1	REF #: PKG - TRF1	REV 1	DRAWN:	C. DiBiasio	AccuDock Your First Choice for Floating Dock Solutions
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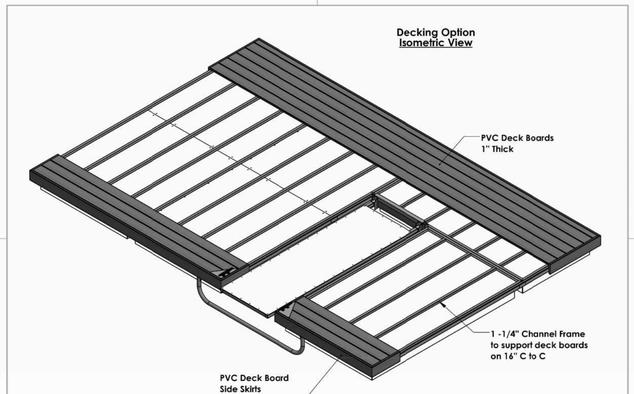
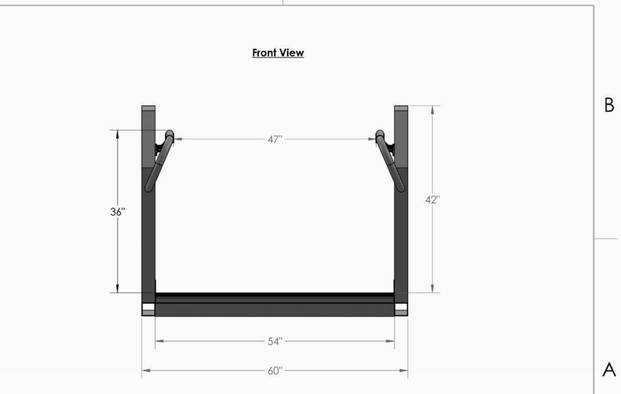
		SHEET 6 OF 6	DATE:	03/08/16	



PART: 12' x 18' ADA Transfer Package # 1	REF #: PKG - TRF1	REV 1	DRAWN:	C. DiBiasio	AccuDock Your First Choice for Floating Dock Solutions
		SCALE: 1:28	CHECKED:	J. Harrison	
		SHEET 5 OF 6	DATE:	03/08/16	



PART: ADA Gangway	REF #: NA	REV 1	DRAWN:	C. DiBiasio	Tolerances are 1/16" Unless specified otherwise AccuDock Your First Choice for Floating Dock Solutions
		SCALE: 1:14	CHECKED:	J. Harrison	
		SHEET 5 OF 6	DATE:	03/04/16	

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KAYAK LAUNCH DETAILS

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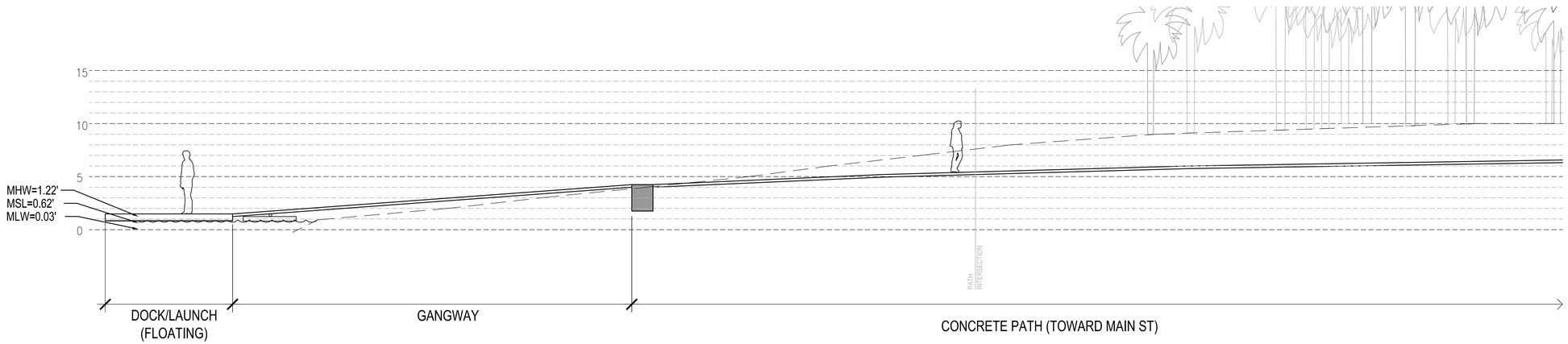
NTS

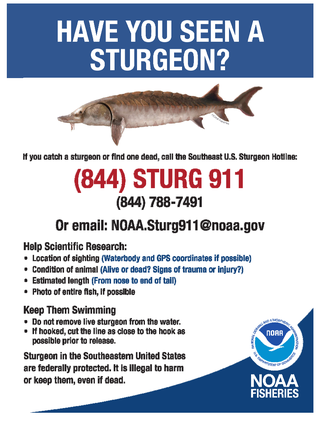
Sheet Number
L-904



1 KAYAK LAUNCH SECTION
1" = 4'-0"

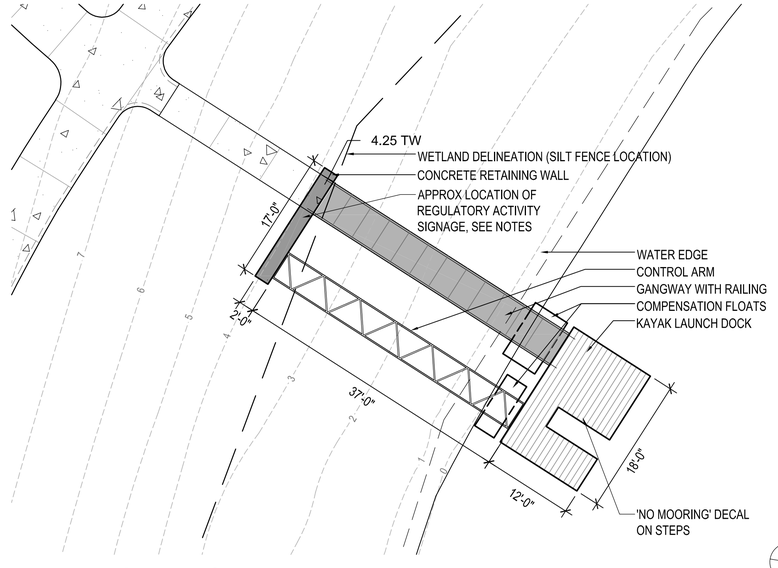
NOTES:

1. PRODUCT: ACCUDOCK 12 X 18 ADA TRANSFER PACKAGE #1 WITH 37 X 5 ALUMINUM GANGWAY AND 37' CONTROL ARM WITH ASSOCIATED APPURTENANCES OR APPROVED EQUAL. THIS PRODUCT CONTACT IS KAY-AKCESS, SUSAN BUTLER, 941-662-5935, SUSAN@KAYAKCESS.COM. SEE PROJECT SPECIFICATIONS OR CONTACT MANUFACTURER FOR ADDITIONAL DETAILS AND ATTACHMENTS.
2. CONCRETE WALL SHALL BE DESIGNED, SUPPLIED, AND INSTALLED BY THE CONTRACTOR BASED ON FINAL GANGWAY CONFIGURATIONS AND SUBMITTED FOR APPROVAL.
3. TOP OF WALL ELEVATION AS SHOWN.
4. WETLAND IMPACTS ARE AVOIDED IN THE PLANS IN GENERAL. ASSEMBLY OF LAUNCH SHALL TAKE PLACE IN UPLANDS OR BY BARGE IN ORDER AVOID DISTURBANCE. ASSOCIATED UPLAND WORK SHALL INCLUDE EROSION CONTROL MEASURES TO BE PLACED AT THE EDGE OF THE DELINEATED WETLAND. CONDITIONS OF THE USACE DOCK PERMIT WILL APPLY.
5. 12" X 18" SIGNAGE & POSTS SHALL BE BRACKETED OR CAST INTO THE CONCRETE WALL ADJACENT TO THE GANGWAY. NO MOORING SIGN SHALL BE 8" MAX HEIGHT DIMENSION (10" X 7" PREFERRED BASED ON STEP HEIGHT), UV-RESISTANT DECAL APPLIED TO THE WATER SIDE FACE OF THE ADA STEPS AT KAYAK LAUNCH. SUBMIT SHOP DRAWINGS OR PRODUCTS FOR APPROVAL.
6. PROVIDE MONOFILAMENT RECYCLING BIN AFFIXED TO THE SIGN POST NEAREST THE GANGWAY. SEE HTTPS://MRRP.MYFWC.COM/GET-INVOLVED/BUILD-YOUR-OWN-BIN/ FOR DETAILS.
7. ALL ITEMS SHALL BE PAID UNDER THE KAYAK LAUNCH SYSTEM PAY ITEM.



4 REQUIRED REGULATORY SIGNAGE
N/A

3 PRECEDENT PHOTOS
N/A



2 KAYAK LAUNCH ENLARGED PLAN
1" = 10'-0"

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KAYAK LAUNCH DETAILS

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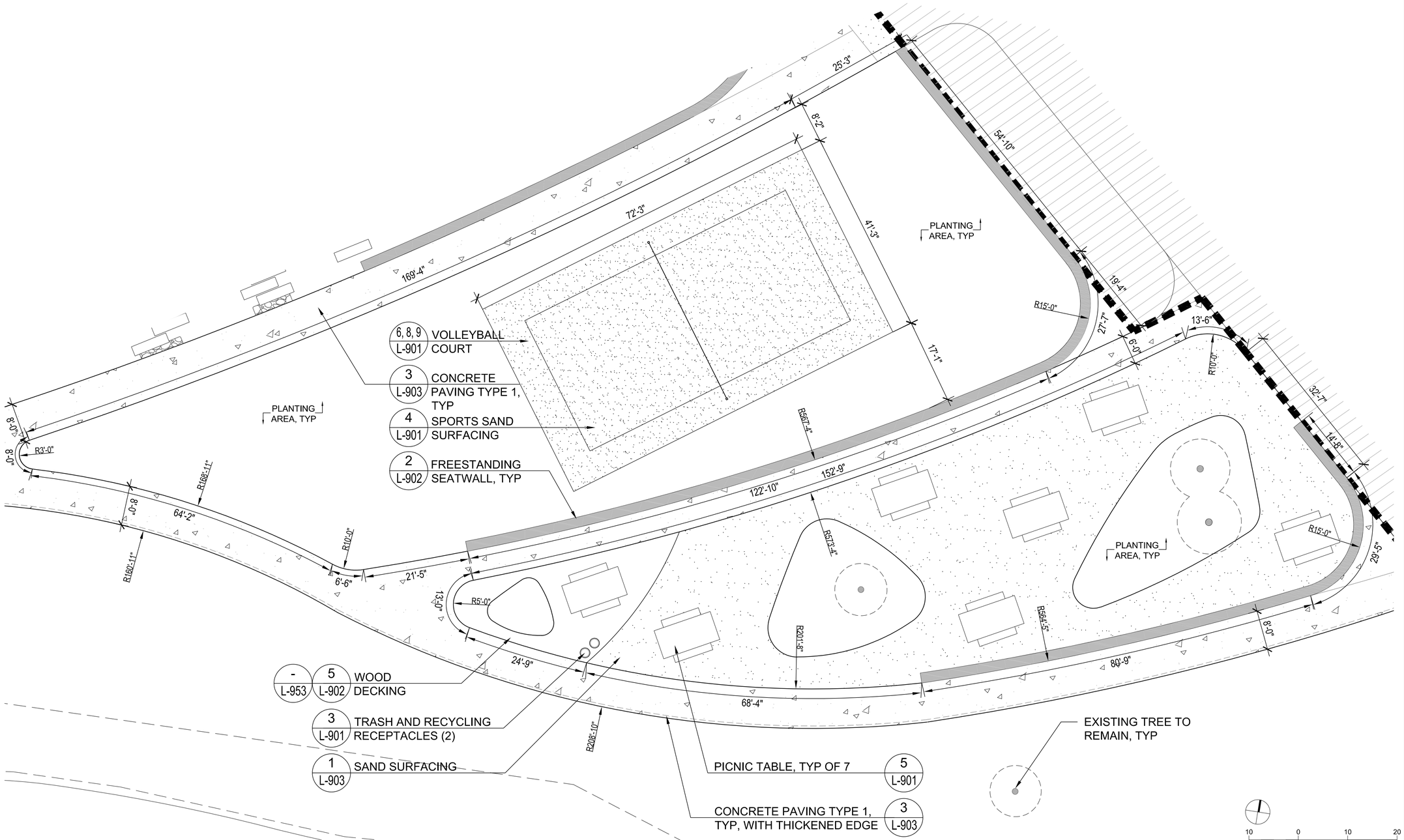
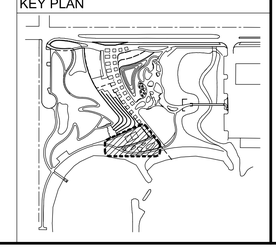


1 PLAN ENLARGEMENT
1" = 10'-0"

10 0 10 20

KEY PLAN



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Sheet Name
VOLLEYBALL AND PICNIC AREA ENLARGED PLAN

Scale
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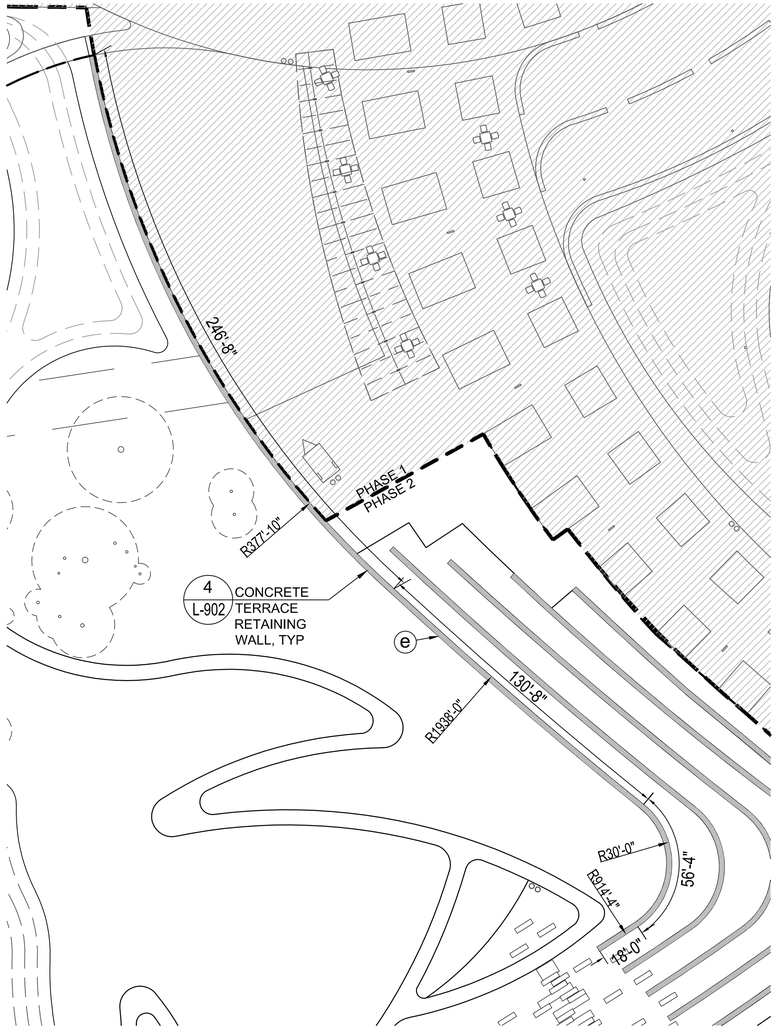
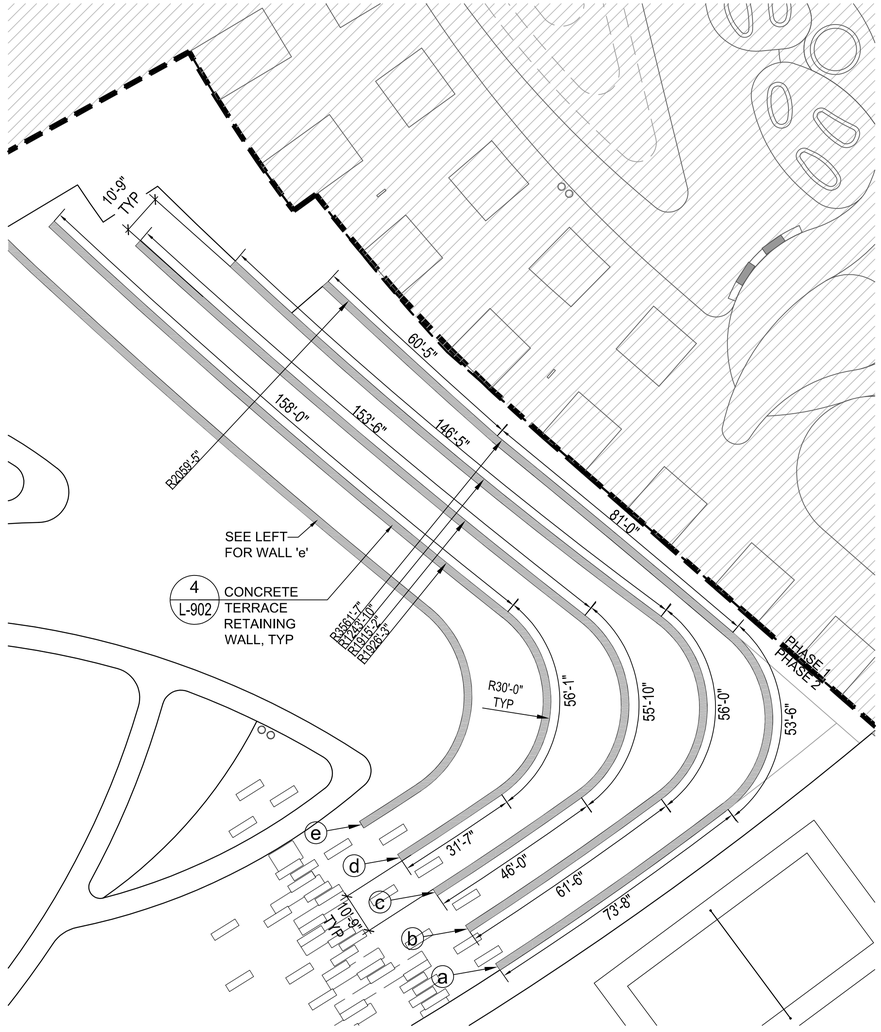
Sheet Number
L-950

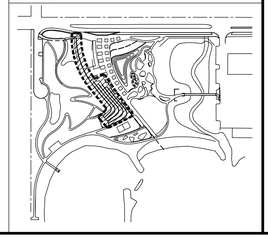


2 TOP TERRACE WALL (e)
1" = 30'-0"



1 LOWER TERRACE WALLS (a-d)
1" = 20'-0"

KEY PLAN



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TERRACE WALL LAYOUT ENLARGED PLAN

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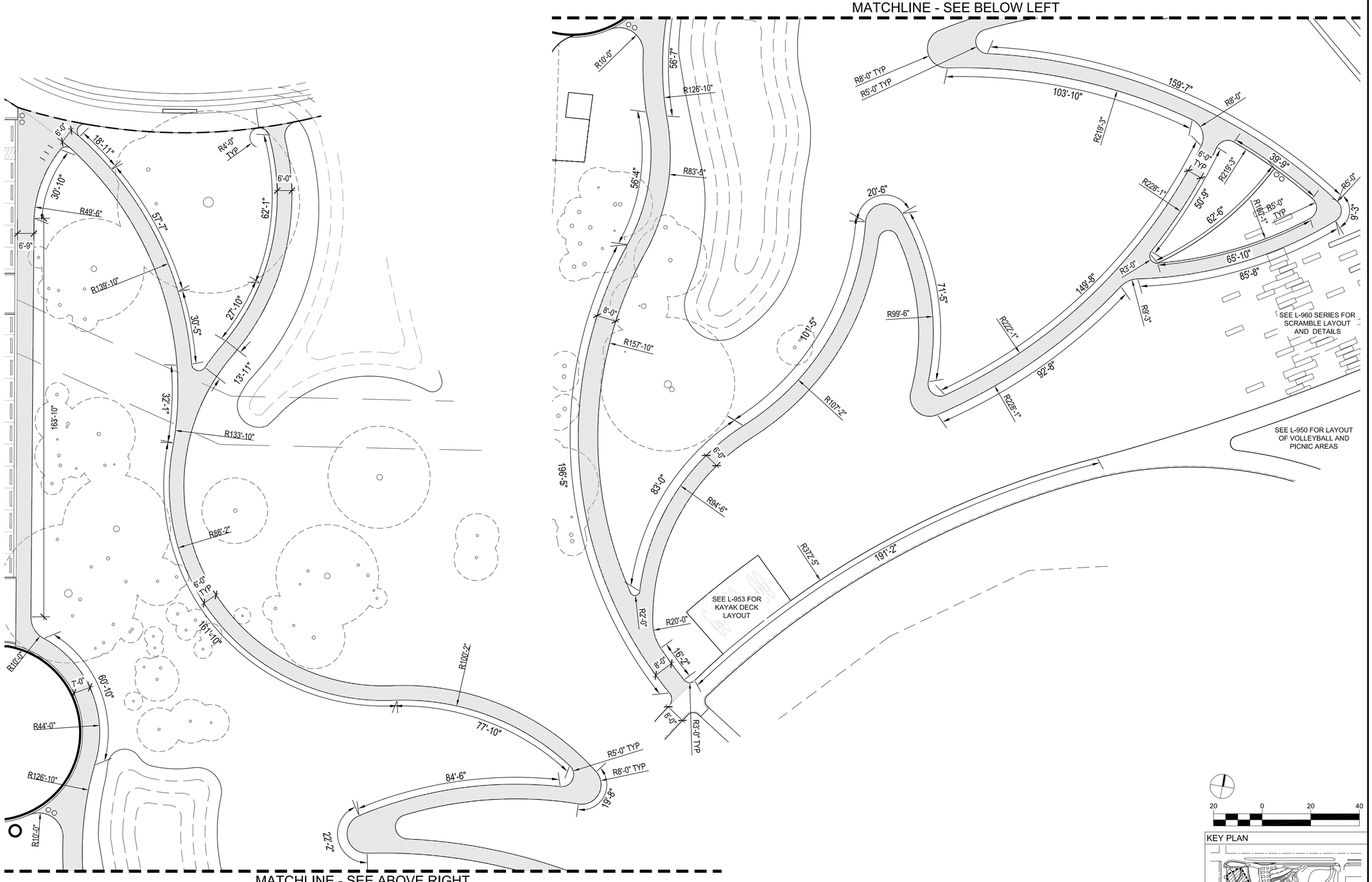
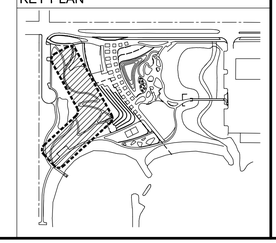


1 PLAN ENLARGEMENT
1" = 20'-0"

KEY PLAN



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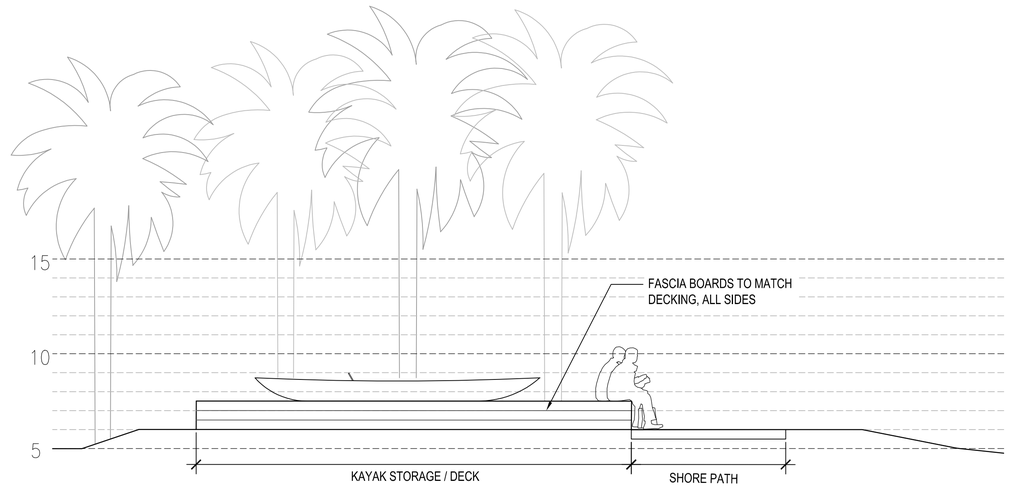
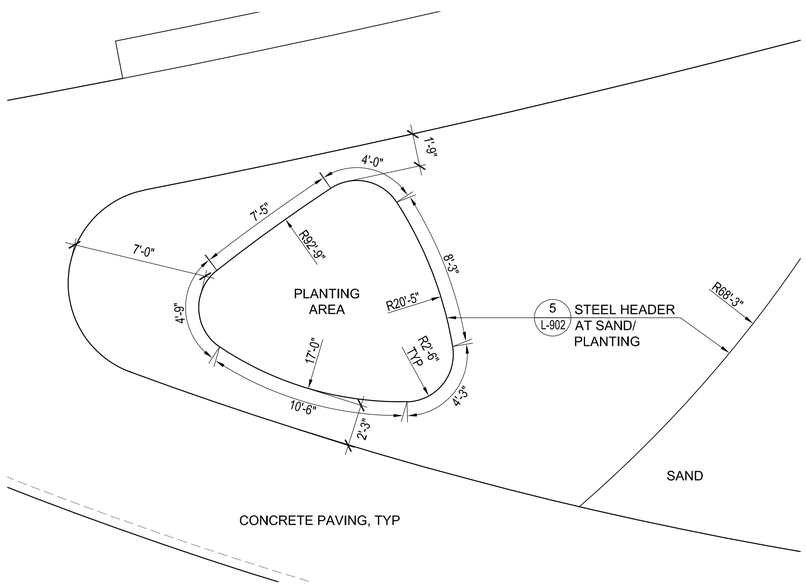
Sheet Name
CENTRAL PATH LAYOUT

Scale
1" = 20'-0"

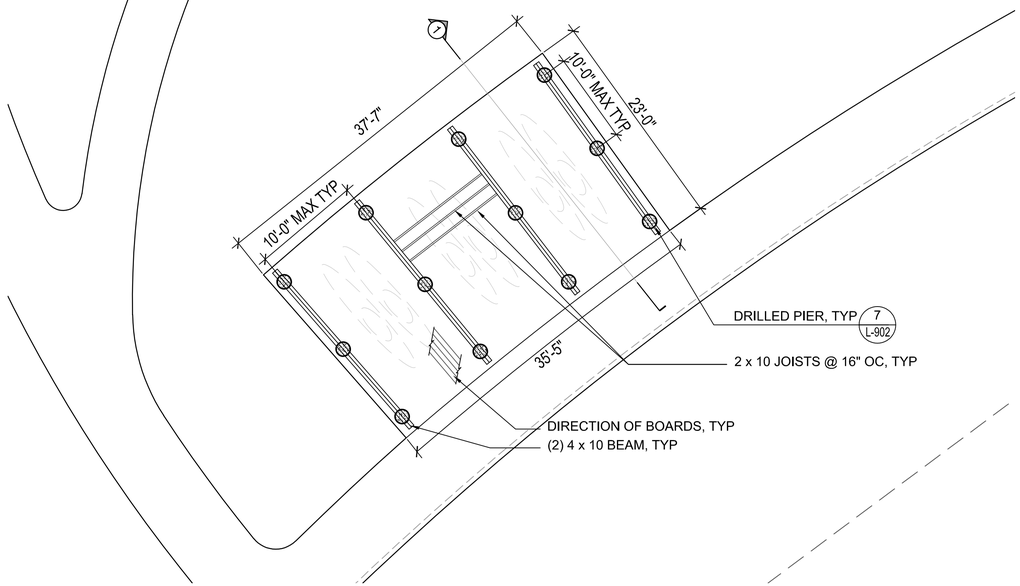
Sheet Number
L-952



1 KAYAK STORAGE DECK - SECTION
1/4" = 1'-0"



3 ACCESSIBLE PICNIC AREA DECK - PLANTER LAYOUT
1/8" = 1'-0"



2 KAYAK STORAGE DECK - FRAMING
1/8" = 1'-0"

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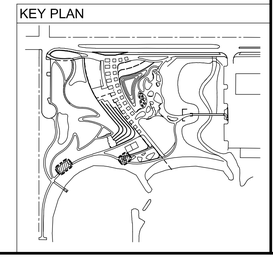

Sheet Name
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ENLARGEMENTS

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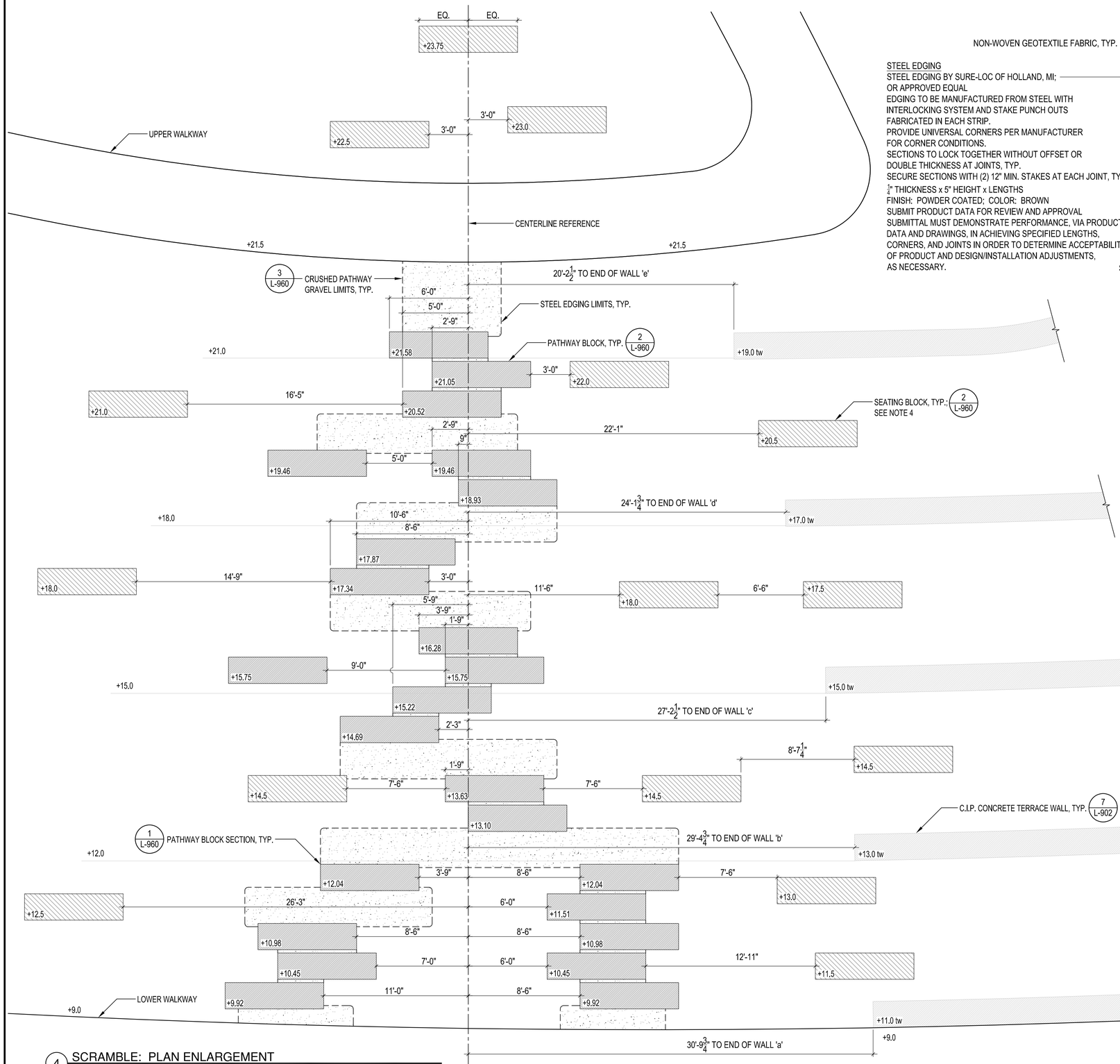
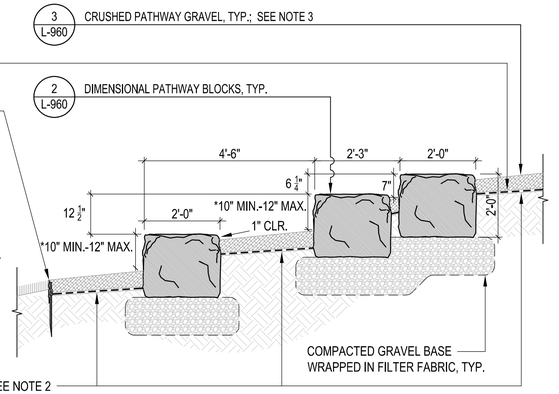


4 SCRAMBLE: PLAN ENLARGEMENT
NTS

STEEL EDGING
STEEL EDGING BY SURE-LOC OF HOLLAND, MI; OR APPROVED EQUAL
EDGING TO BE MANUFACTURED FROM STEEL WITH INTERLOCKING SYSTEM AND STAKE PUNCH OUTS FABRICATED IN EACH STRIP.
PROVIDE UNIVERSAL CORNERS PER MANUFACTURER FOR CORNER CONDITIONS.
SECTIONS TO LOCK TOGETHER WITHOUT OFFSET OR DOUBLE THICKNESS AT JOINTS, TYP.
SECURE SECTIONS WITH (2) 12" MIN. STAKES AT EACH JOINT, TYP.
1/4" THICKNESS x 5" HEIGHT x LENGTHS
FINISH: POWDER COATED; COLOR: BROWN
SUBMIT PRODUCT DATA FOR REVIEW AND APPROVAL
SUBMITTAL MUST DEMONSTRATE PERFORMANCE, VIA PRODUCT DATA AND DRAWINGS, IN ACHIEVING SPECIFIED LENGTHS, CORNERS, AND JOINTS IN ORDER TO DETERMINE ACCEPTABILITY OF PRODUCT AND DESIGN/INSTALLATION ADJUSTMENTS, AS NECESSARY.



1. SEE PROFILES ON DRAWING L-961 FOR ADDITIONAL INFORMATION
2. 7% MAXIMUM GRADIENT FOR CRUSHED PATHWAY GRAVEL LANDINGS SUBGRADE
3. 4" MINIMUM DEPTH; INCREASE GRAVEL DEPTH TO ACHIEVE 10" - 12" RISER HEIGHT FOR UPHILL PATHWAY STONES, TYP.

1 SCRAMBLE: STONE PATHWAY SECTION, TYP.
NTS

OOLITE STONE BLOCKS

1. PATHWAY BLOCK DIMENSIONS: 24" WIDTH x 90" LENGTH x 24" DEPTH
2. SEATING BLOCK DIMENSIONS: 24" WIDTH x 90" LENGTH x 36" DEPTH
3. PATHWAY & SEATING BLOCK TEXTURE: SPLIT FACE ALL SIDES
4. SPOT ELEVATIONS INDICATE TOP SURFACE ELEVATION FOLLOWING INSTALLATION; CONTRACTOR TO PROVIDE NOTIFICATION IF MIN. 12" BELOW FINSH GRADE DEPTH CANNOT BE ACHIEVED PER SPOT ELEVATION PROVIDED

2 NATURAL STONE BLOCKS - PATHWAY & SEATING TYP.
NTS

1. MEDIUM CRUSHED COQUINA GRAVEL
2. COLOR: GOLDEN BROWN
3. SIZE RANGE: MIN. 3/8" TO MAX. 1 1/2"
4. INSTALL SURFACE LAYER WITH A MINIMUM 4" DEPTH, TYP
5. CONTAIN ALL CRUSHED PATHWAY GRAVEL WITH STEEL EDGING, TYP.
6. SUBMIT PRODUCT SAMPLES FOR APPROVAL

3 CRUSHED PATHWAY GRAVEL, TYP.
NTS

MATERIAL SUPPLIERS, OR APPROVED EQUAL:

CONTACT:

EPIC STONE WORKS
0605 SW 186 STREET
CUTLER BAY, FL 33157
PH. 305.255.2842

CARROLL'S BUILDING MATERIALS
2001 13TH AVE. NORTH
ST. PETERSBURG, FL 33713
PH. 727.822.3370

CORAL CLASSICS BY A&P
695 E 10TH AVE.
HIALEAH, FL 33010
PH. 305.693.3822

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SCRAMBLE - ENLARGED PLAN

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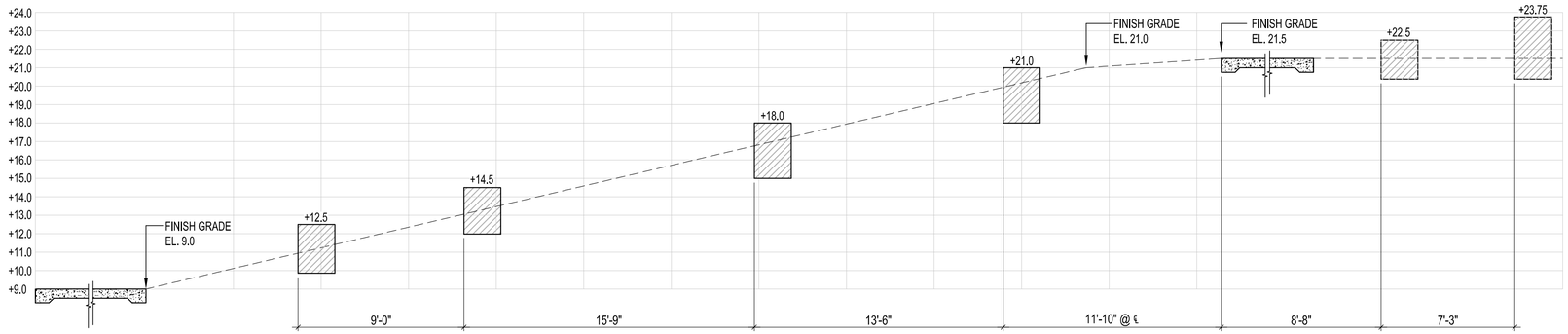
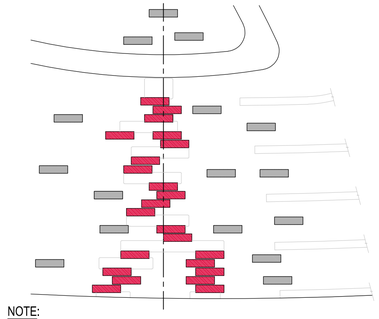
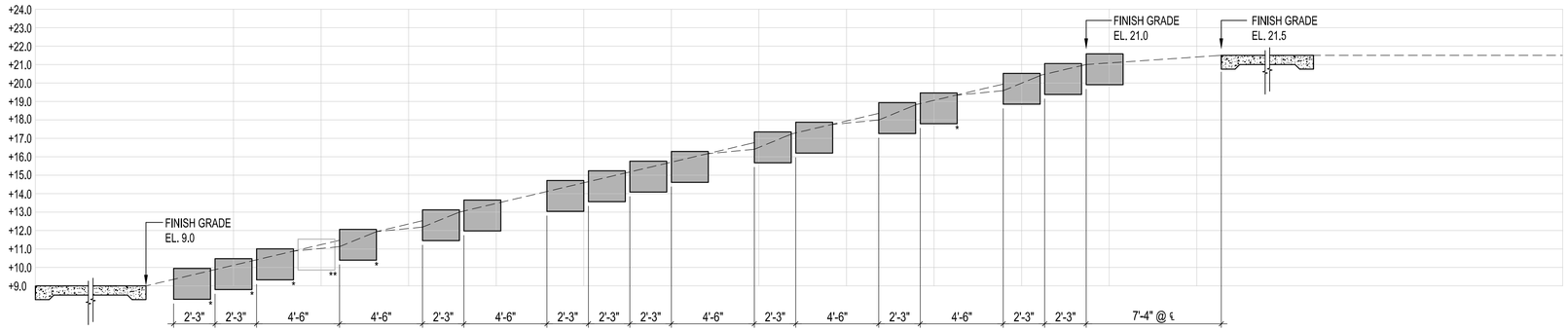
NOTE:
SPOT ELEVATIONS INDICATE TOP SURFACE ELEVATION FOLLOWING INSTALLATION; CONTRACTOR TO PROVIDE NOTIFICATION IF MIN. 12" BELOW FINSH GRADE DEPTH CANNOT BE ACHIEVED PER SPOT ELEVATION PROVIDED



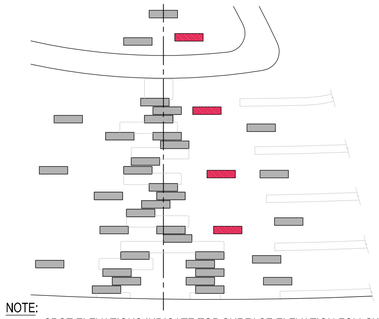
1 SCRAMBLE: SEATING BLOCK PROFILE - WEST
NTS



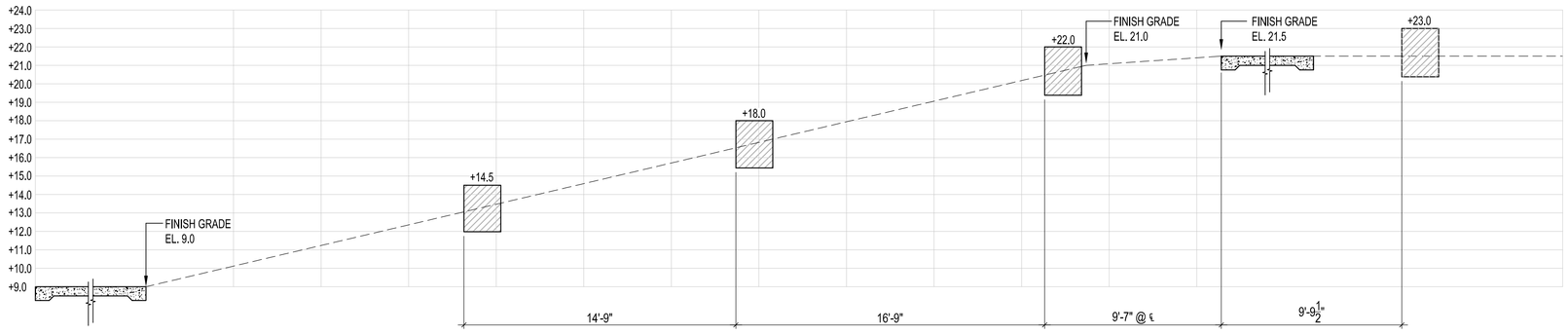
NOTE:
= (2) BLOCKS ARE IN ALIGNMENT AT THIS POSITION
= (1) BLOCK AT THIS POSITION IS EAST OF CENTERLINE



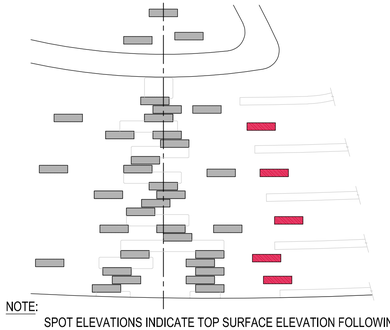
2 SCRAMBLE: PRIMARY PATHWAY BLOCK
NTS



NOTE:
SPOT ELEVATIONS INDICATE TOP SURFACE ELEVATION FOLLOWING INSTALLATION; CONTRACTOR TO PROVIDE NOTIFICATION IF MIN. 12" BELOW FINSH GRADE DEPTH CANNOT BE ACHIEVED PER SPOT ELEVATION PROVIDED



3 SCRAMBLE: SEATING BLOCK PROFILE - EAST
NTS



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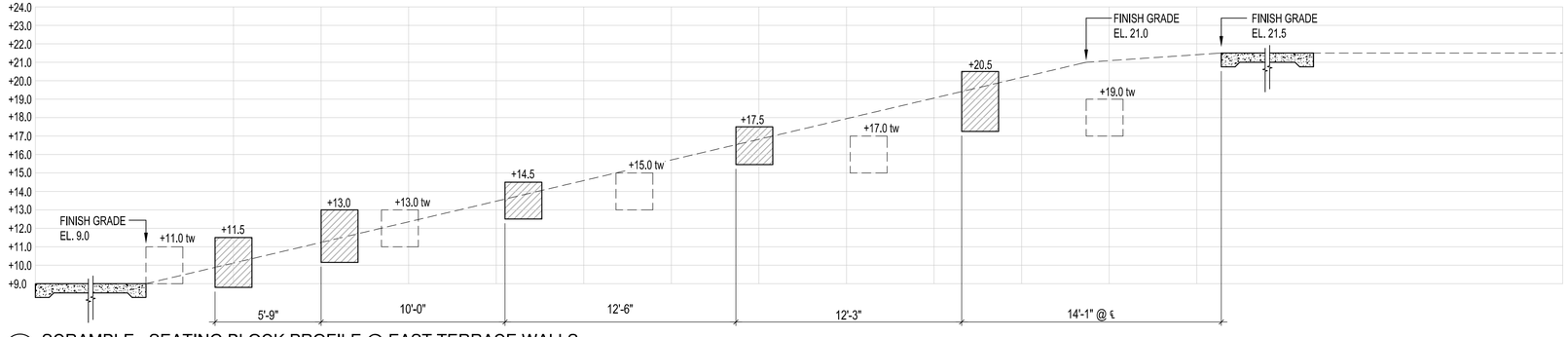

4 SCRAMBLE: SEATING BLOCK PROFILE @ EAST TERRACE WALLS
NTS

25 W. Cedar Street, Suite 200
Pensacola, FL 32502

PENSACOLA
FLORIDA'S FIRST & FUTURE

BRUCE BEACH PARK
601 W. Main Street
Pensacola, FL 32502

PHASE TWO

DATE	DESCRIPTION
05/22/2023	ISSUE FOR BID

HDR Project Number: 10279441

Sheet Name
SCRAMBLE - PROFILES

Scale
AS NOTED

Sheet Number
L-961