

ORIOLE BEACH BOAT RAMP IMPROVEMENTS FOR SANTA ROSA COUNTY, FLORIDA

PROJECT DESCRIPTION

IN GENERAL, THE PROJECT CONSISTS OF REMOVAL OF AN EXISTING DILAPIDATED CONCRETE BOAT RAMP WITH CONSTRUCTION OF A NEW CONCRETE BOAT RAMP AND SITE IMPROVEMENTS. AS SHOWN ON THE DRAWINGS, THE PROJECT CONSISTS OF:

- A. DEMOLITION AND REMOVAL OF EXISTING DILAPIDATED CONCRETE SITE FEATURES INCLUDING:
 - CONCRETE BOAT RAMP,
 - CONCRETE SIDEWALK,
 - CONCRETE HANDICAPPED PARKING PADS,
 - SEAWALL, AND
 - RUBBLE;
- B. CONSTRUCTION OF:
 - NEW CONCRETE BOAT RAMP – VIA:
 - 0 REMOVAL AND REPLACEMENT OF SEGMENTS OF EXISTING DOCKS,
 - 0 INSTALLATION OF TEMPORARY SHEET PILE COFFERDAM TO SUPPORT DEWATERING DURING NEW RAMP CONSTRUCTION
 - 0 FORMING AND POURING OF NEW CONCRETE RAMP,
 - 0 VINYL SHEET PILE SEAWALL TO STABILIZE THE SHORELINE,
 - STORMWATER COLLECTION SYSTEM INCLUDING:
 - 0 CATCH BASINS,
 - 0 MANHOLES,
 - 0 REINFORCED CONCRETE CULVERTS (RCP), AND
 - 0 AN UNDERGROUND STORMWATER RETENTION SYSTEM
 - ASPHALT AND GRAVEL PARKING AREAS,
 - LANDSCAPING, AND
 - SIGNAGE.

SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
C1.0	COVER SHEET
C1.1	NOTES
C2.0	EXISTING CONDITIONS
C3.0	EROSION CONTROL PLAN
C3.1	EROSION CONTROL PLAN DETAILS
C4.0	DEMOLITION PLAN
C5.0	SITE PLAN
C6.0	PAVING, GRADING, & DRAINAGE PLAN
C6.1	PROFILE & CROSS-SECTION
C6.2	PAVING, GRADING, & DRAINAGE DETAILS
C6.3	PAVING, GRADING, & DRAINAGE DETAILS
C6.4	PAVING, GRADING, & DRAINAGE DETAILS
C6.5	PAVING, GRADING, & DRAINAGE DETAILS
C6.6	PAVING, GRADING, & DRAINAGE DETAILS
C6.7	PAVEMENT MARKING DETAILS
C7.0	SOIL BORING PLANVIEW
C7.1	SOIL BORING CROSS-SECTIONS
C8.0	EXISTING CONDITIONS DRAINAGE MAP
C8.1	PROPOSED CONDITIONS DRAINAGE MAP
C9.0	RAMP & SEAWALL DETAILS
C9.1	SEAWALL LAYOUT & DETAILS
C10.0	DOCK DETAILS
C11.0	LANDSCAPE PLAN

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PERMITS REQUIRED

SANTA ROSA COUNTY SITE PERMIT
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION ENVIRONMENTAL RESOURCE PERMIT
USACE (BULKHEAD) & (BOAT RAMP)

PROJECT LOCATION

THE ACTIVITIES AUTHORIZED BY THIS PERMIT ARE LOCATED AT 3187 LINDEN AVE. GULF BREEZE, FL 32563.
PARCEL IDS 31-2S-28-2980-00100-0010 & 31-2S-28-2980-00000-PARK, IN SECTION 31, TOWNSHIP 2 SOUTH, RANGE 28 WEST IN SANTA ROSA COUNTY.



LOCATION MAP

PROJECT :

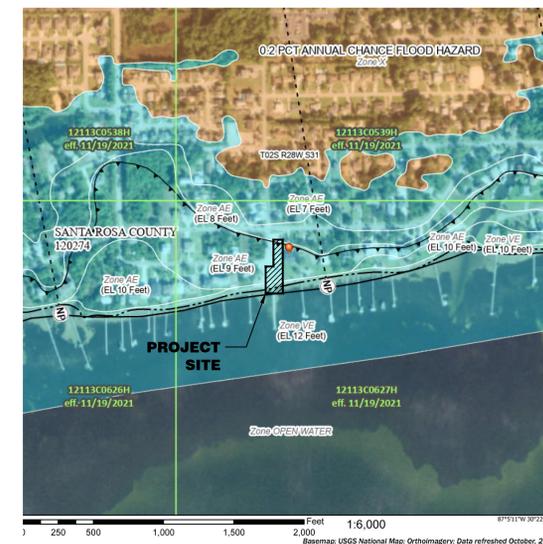
ISSUED FOR BID BY
SANTA ROSA COUNTY
6051 OLD BAGDAD HIGHWAY, SUITE 301
MILTON, FL 32583
PHONE: 850-981-7135

SITE WORK, CIVIL ENGINEER
COASTAL TECHNOLOGY CORPORATION
3625 20TH STREET,
VERO BEACH, FL 32960
PHONE: 772-562-8580

SURVEYOR
RUBEN SURVEYING & MAPPING
913 GULF BREEZE PKWY, STE. 6
GULF BREEZE, FLORIDA, 32561
PHONE: 850-916-7382

GEOTECHNICAL ENGINEER
LARRY M. JACOBS & ASSOCIATES, INC.
328 EAST GADSDEN STREET
PENSACOLA, FLORIDA 32501
PHONE 850-434-8046

FEMA MAP



MAP PANELS

- Without Base Flood Elevation (BFE)
- With BFE or Depth (Zone AE, VE, V1, V2, V3)
- Regulatory Floodway
- 0.2% Annual Chance Flood Hazard, Areas of 1% Annual Chance Flood with average depth less than one foot or with drainage areas of less than one square mile (Zone 0)
- Future Conditions 1% Annual Chance Flood Hazard (Zone 1)
- Area with Reduced Flood Risk due to Levee (Zone 2)
- Area with Flood Risk due to Levee (Zone 3)
- Area of Minimal Flood Hazard (Zone 4)
- Effective LOMs
- Area of Undetermined Flood Hazard (Zone 5)
- Channel, Culvert, or Storm Sewer Levee, Dike, or Floodwall
- Cross Sections with 1% Annual Chance Water Surface Elevation
- Coastal Tronsect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Tronsect Baseline
- Profile Baseline
- Hydrographic Feature
- Digital Data Available
- No Digital Data Available
- Unmapped

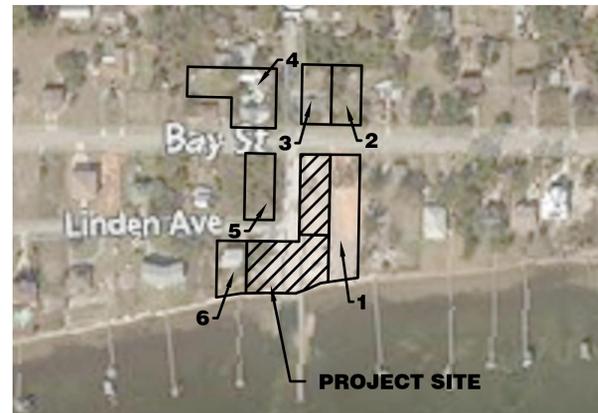
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not as described below. The basemap shown complies with FEMA's basemap accuracy standards.

The flood hazard information is derived directly from the authoritative NFHL, with services provided by FEMA. This map was exported on 10/27/2022 at 4:58 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is valid if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, copyright identifier, FIRM panel number, and FIRM effective date. Map images for unmapped and unredetermined areas cannot be used for regulatory purposes.

ADJACENT PARCELS MAP



INFO TABLE - ADJACENT PARCELS (SEE MAP AT LEFT)				
	PARCEL ID	CURRENT ZONING	FUTURE LAND USE	EXISTING LAND USE
1	31-2S-28-2980-00100-0020	R1	SFR	SFR
2	31-2S-28-2980-00400-0232	R1	SFR	SFR
3	31-2S-28-2980-00400-0230	R1	SFR	SFR
4	31-2S-28-2980-00300-0250	R1	SFR	SFR
5	31-2S-28-2980-00200-0130	R1	SFR	SFR
6	31-2S-28-2980-00700-0120	R1	SFR	SFR

Call 811 or visit sunshine811.com two full business days before digging to have buried facilities located and marked.
Check positive response codes before you dig!

COASTAL TECH
ENVIRONMENTAL • CIVIL ENGINEERING AND PLANNING
CERTIFICATE OF AUTHORIZATION NUMBER: 0004165
3625 20TH STREET, VERO BEACH, FL 32960 (772) 662-8680

COVER SHEET WITH LOCATION MAP

ORIOLE BEACH BOAT RAMP IMPROVEMENTS
FOR
SANTA ROSA COUNTY

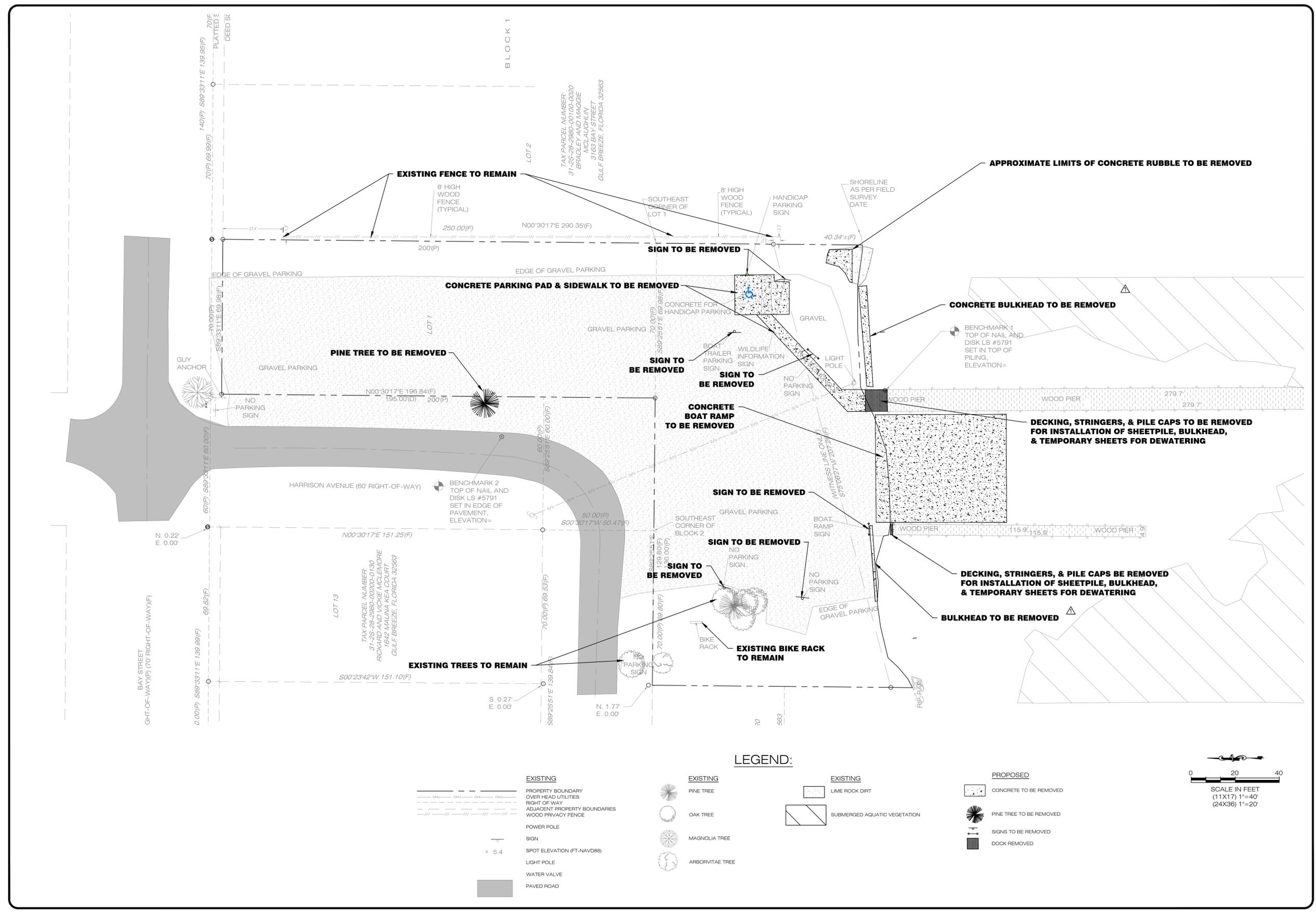
REV	DATE	NOTES	DATE DRAWN	PROJECT NO.
1	2024-12-28	NO PERIODIC COMMENTS	12/18/2024	1005181 003
2	2024-03-05	ADDED SHEET TO STACK		

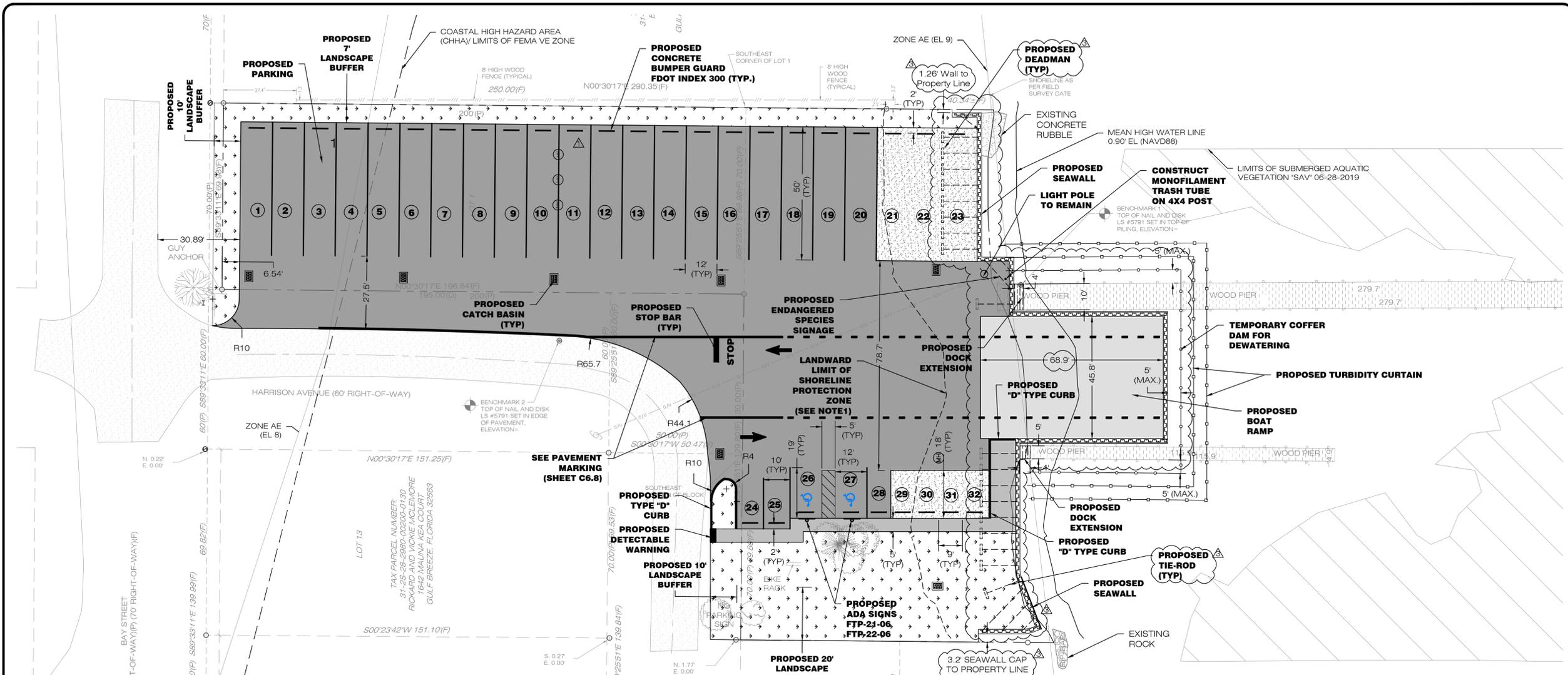
DRAWN BY: ACN
CHECKED BY: MPW

BID SET

DEMOLITION PLAN
 ORIOLE BEACH BOAT RAMP IMPROVEMENTS
 FOR
 SANTA ROSA COUNTY

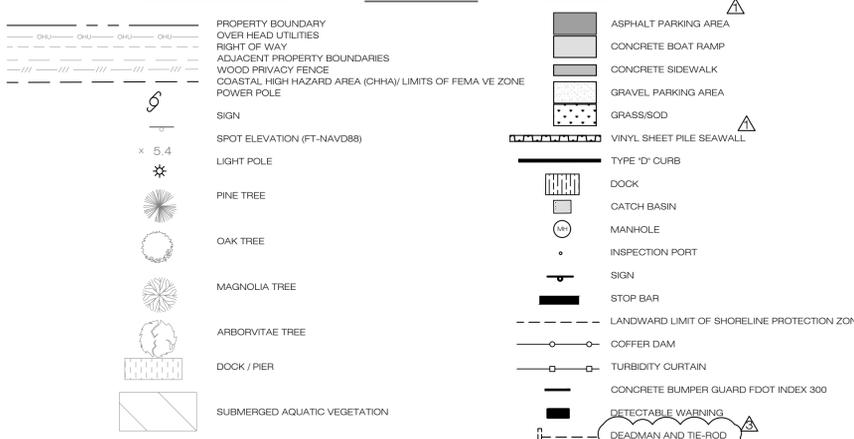
REV	DATE	NOTES
1	2025-12-29	NO. 1005181/003 COMMENTS
DRAFTER: ACN DATE DRAWN: 12/18/2024 CHECKED BY: MPW PROJECT NO. 1005181_003		





EXISTING - TO REMAIN

LEGEND:



- NOTES:
1. LANDWARD LIMIT OF SHORELINE PROTECTION ZONE SHOWN FOR PERMITTING SUPPORT PURPOSES.
 2. RAMP STRUCTURE DISTANCE MAP PROVIDED FOR PERMITTING SUPPORT PURPOSES.

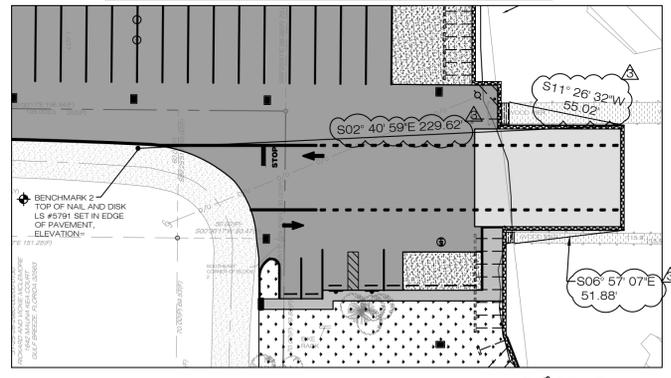
SITE DATA TABLE

PARCELS ID NUMBERS	31-25-28-2980-00100-0010 & 31-25-28-2980-00000-PARK
EXISTING PARCELS AREAS	0.32 AC (13,780 SF) & 0.46 AC (20,060 SF)
PROPOSED PROJECT AREA	0.96 AC (41,787 SF)
ADDRESS	3187 LINDEN AVE GULF BREEZE, FLORIDA, 32563
JURISDICTION	SANTA ROSA COUNTY
ZONING DESIGNATION	R1 & P2
ADJACENT ZONING	R1
FEMA FLOOD ZONE DESIGNATION (EFFECTIVE)	ZONE AE (EL 8), ZONE AE (EL 9) & Zone VE (EL 12)
EXISTING USE	Public County Boat Ramp and Parking
PROPOSED USE	Public County Boat Ramp and Parking
PROPOSED BUILDING AREA	0 SF
NUMBER OF FLOORS	0
FLOOR AREA	0
IMPERVIOUS AREA	0.70 ACRES (30,495 SQFT)
IMPERVIOUS SURFACE RATIO	74% (INCLUDING GRAVEL)
PERVIOUS AREA	0.24 ACRES (10,625 SQFT)
STANDARD PARKING SPACES PROVIDED ON-SITE	30
ADA PARKING SPACES PROVIDED ON-SITE	2
PARKING SPACES PROVIDED OFF-SITE	0
TOTAL PARKING SPACES PROVIDED	32
BIKE PARKING PROVIDED	2 EXISTING TO REMAIN

SANTA ROSA COUNTY SETBACKS AND BUFFERS

SETBACKS	MIN. REQUIRED	PROPOSED
FRONT (NORTH)	10	10 FT
LANDSCAPE BUFFER		PROPOSED
FRONT (NORTH)		10 FT
FRONT (NORTH)		10 FT
SIDE (EAST)		7 FT
SIDE (WEST)		20 FT

RAMP STRUCTURE DISTANCE MAP:

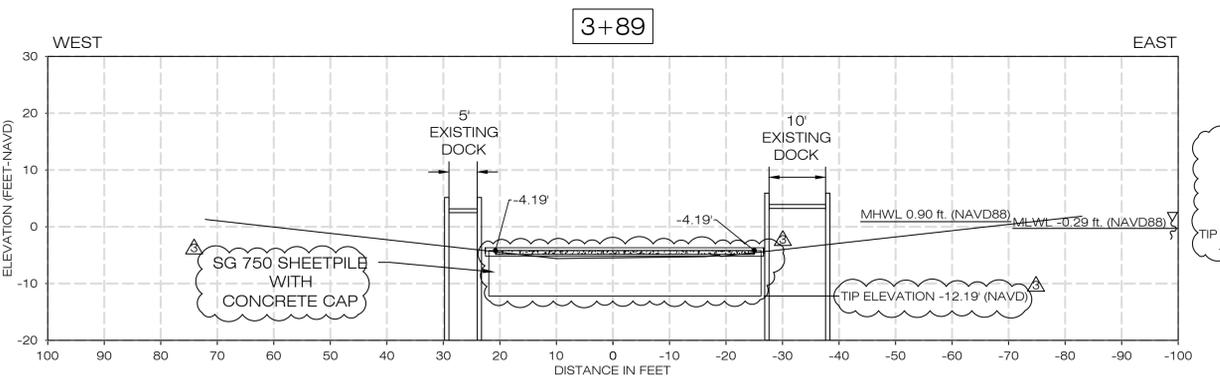
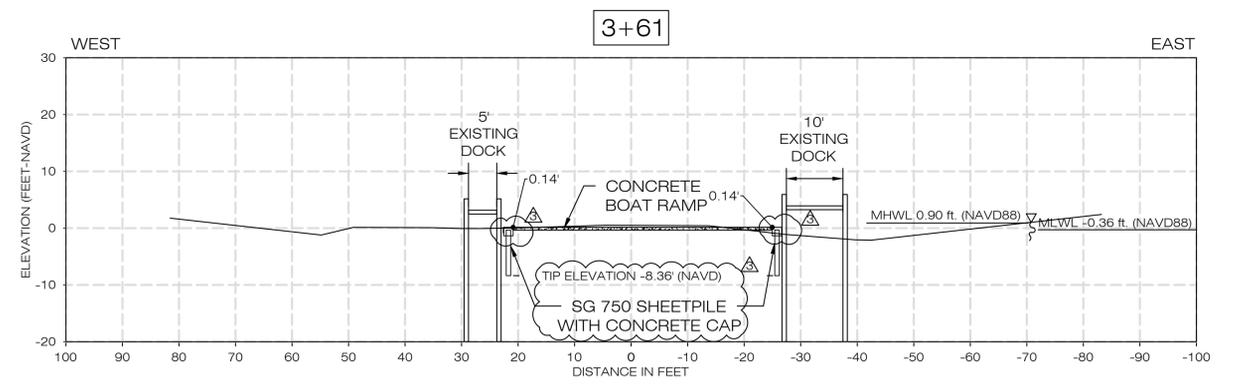
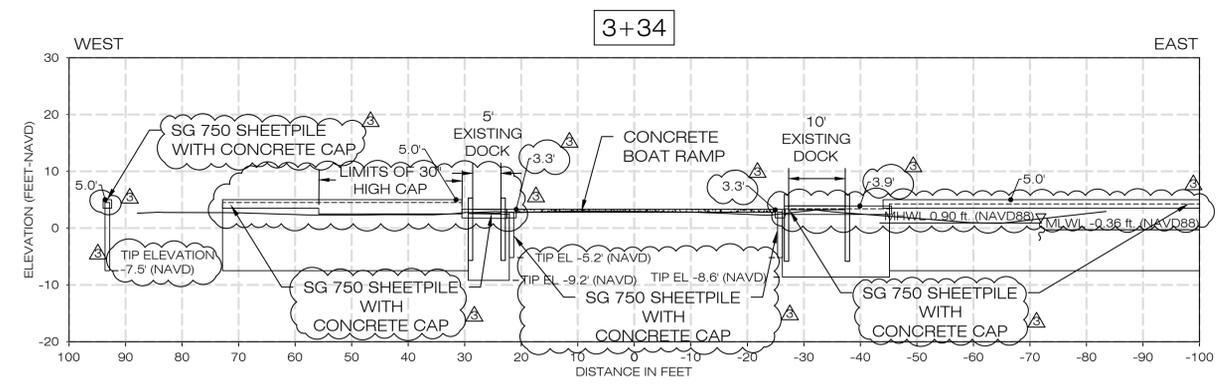
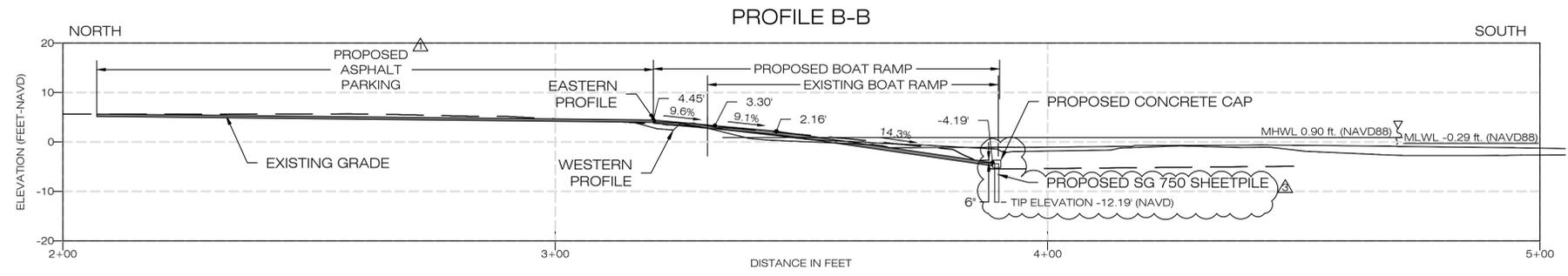
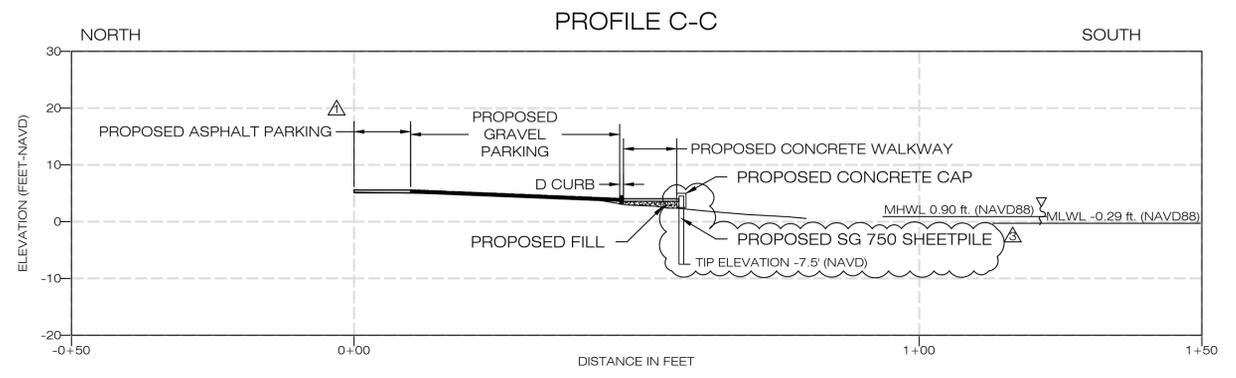
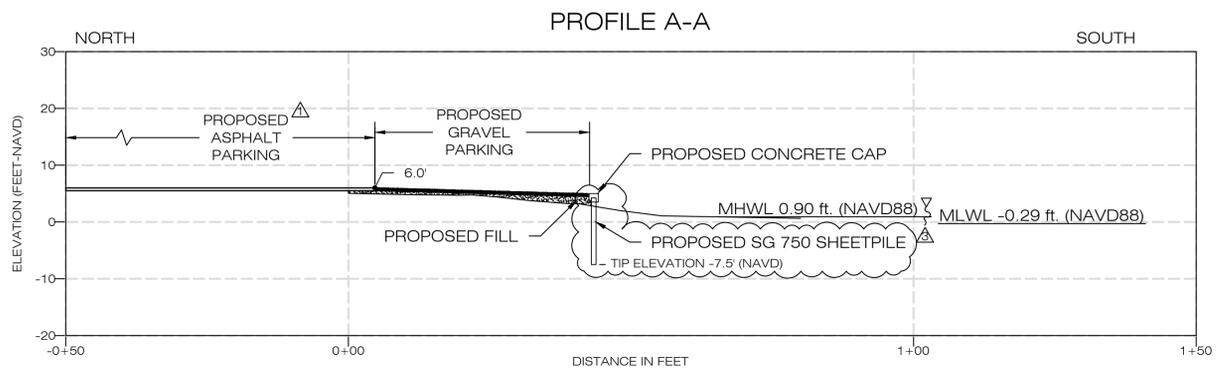


COASTAL TECH
 COASTAL - ENVIRONMENTAL - CIVIL ENGINEERING AND PLANNING
 CERTIFICATE OF AUTHORIZATION NUMBER: 00004165
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SITE PLAN
 ORIOLE BEACH BOAT RAMP IMPROVEMENTS
 FOR
 SANTA ROSA COUNTY

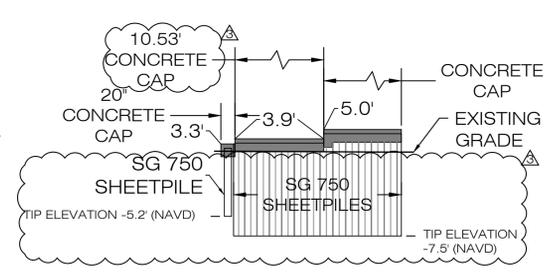
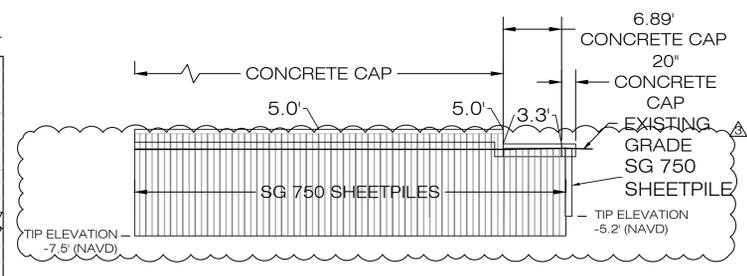
DATE: 12-28-2024
 DRAWN BY: MRPW
 CHECKED BY: MRPW
 PROJECT NO.: 1005181-003

C5.0



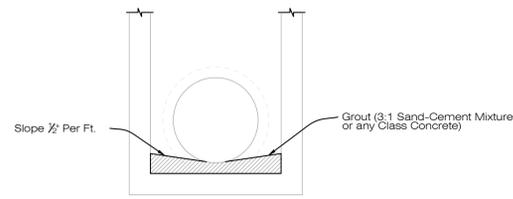
NORTH ELEVATION (WEST OF RAMP) CONCRETE CAP DETAIL

NORTH ELEVATION (EAST OF RAMP) CONCRETE CAP DETAIL



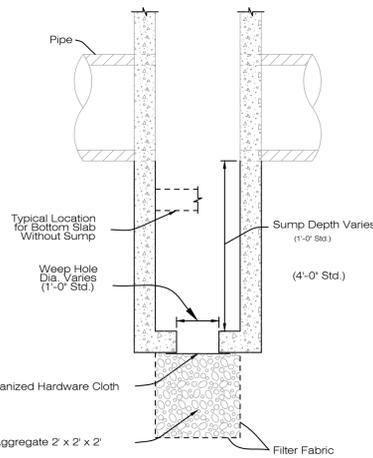
PROFILE AND CROSS-SECTIONS
 ORIOLE BEACH BOAT RAMP IMPROVEMENTS
 FOR
 SANTA ROSA COUNTY

REV	DATE	NOTES
1	2024-12-20	NO REVISIONS/COMMENTS
2	2025-03-05	REV. DRAWING
DRAFTER: ACN DATE DRAWN: 12/18/2024 CHECKED BY: MRW PROJECT NO.: 1005181_003		

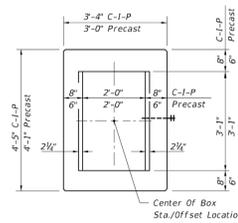


NOTE: For all structures unless excluded by special detail.

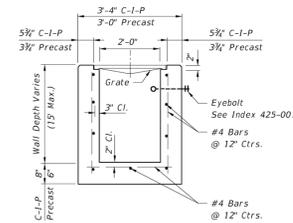
DRAINAGE STRUCTURE INVERT



SUMP AND WEEP HOLE TO BE PROVIDED ON STRUCTURES D-1, D-2, D-3, D-4, D-5, D-6, D-7, D-8, D-9, D-10



PLAN



SECTION

HORIZONTAL WALL REINFORCING SCHEDULES (TABLE 1)

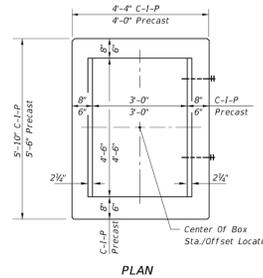
WALL DEPTH	SCHEDULE	AREA (in. ² /ft.)	MAX. SPACING BARS	WWF
0'-15"	A12	0.20	12"	8"

TYPE C

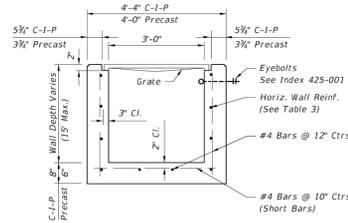
Recommended Maximum Pipe Size:

2'-0" Wall - 18" Pipe
3'-1" Wall - 24" Pipe (18" where an 18" pipe enters a 2'-0" wall)

FDOT DRAINAGE STRUCTURES D-1, D-2, D-5, D-6, D-7, D-8, & D-9 INDEX 425-052 (TYPE C)



PLAN



SECTION

HORIZONTAL WALL REINFORCING SCHEDULES (TABLE 3)

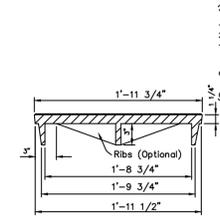
WALL DEPTH	SCHEDULE	AREA (in. ² /ft.)	MAX. SPACING BARS	WWF
0'-5"	A12	0.20	12"	8"
0'-7.5"	A6	0.20	6"	5"
7.5'-10"	B5.5	0.24	5 1/2"	5"
10'-15"	C6.5	0.37	6 1/2"	6"

TYPE E

Recommended Maximum Pipe Size:

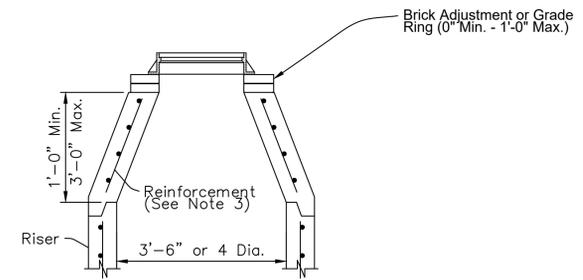
3'-0" Wall - 24" Pipe
4'-6" Wall - 36" Pipe

FDOT DRAINAGE STRUCTURE D-3 INDEX 425-052 (TYPE E)



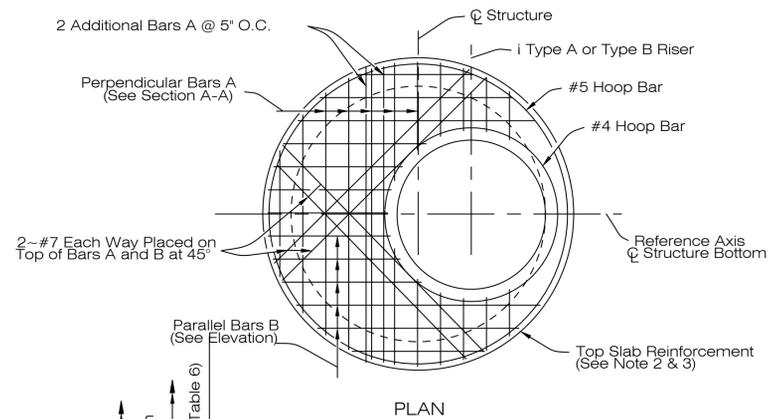
ELEVATION

1-PIECE COVER

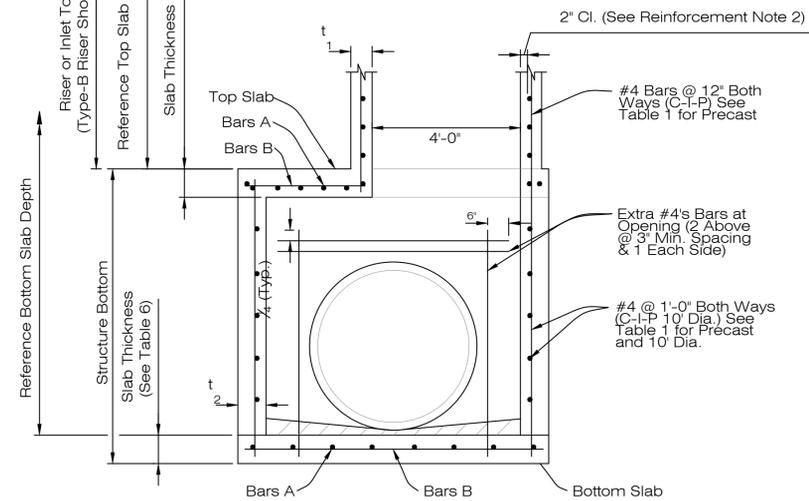


PRECAST CONCENTRIC CONE

TYPE 8



PLAN



ELEVATION

MANHOLE - FDOT TYPE J BOTTOM - ALTERNATE A DRAINAGE STRUCTURES D-4, D-10, & D-21



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CERTIFICATE OF AUTHORIZATION NUMBER: 0004165
3625 20TH STREET, VERO BEACH, FL 32960 (772) 662-6660

CHARLES T. FONTANE III, P.E. DATE
FLORIDA P.E. LICENSE NUMBER 73042

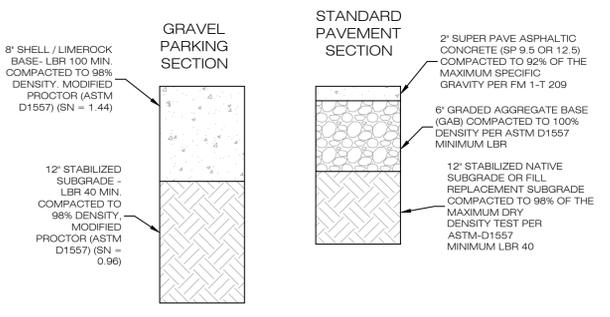
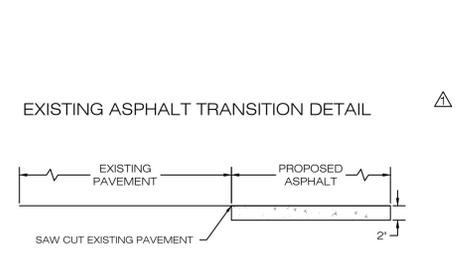
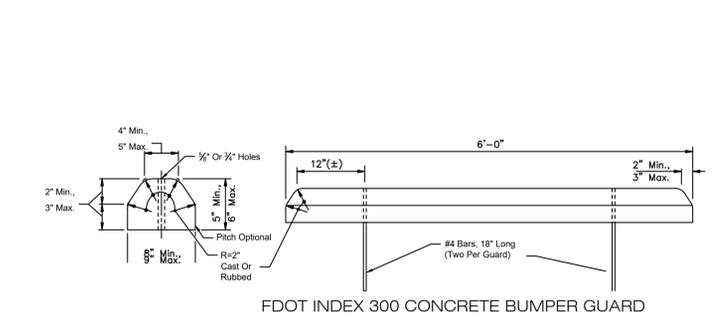
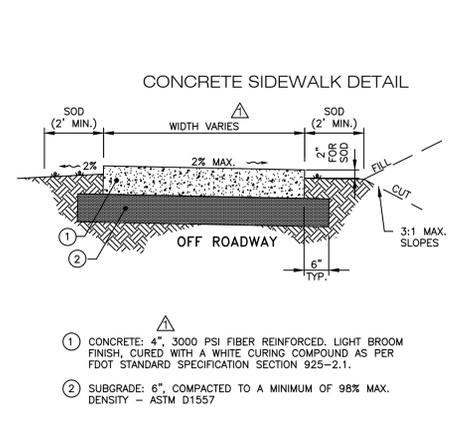
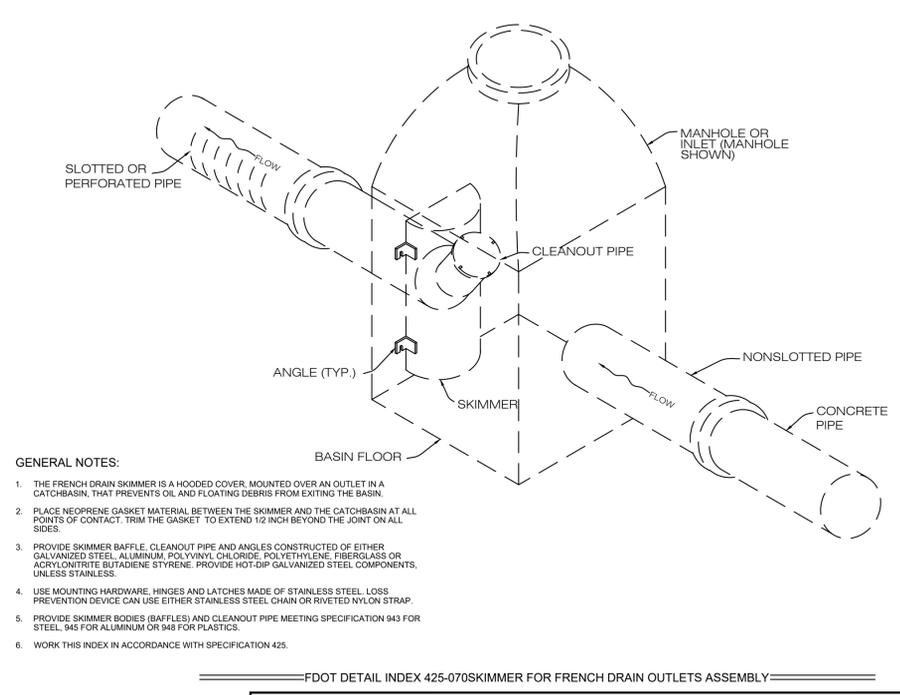
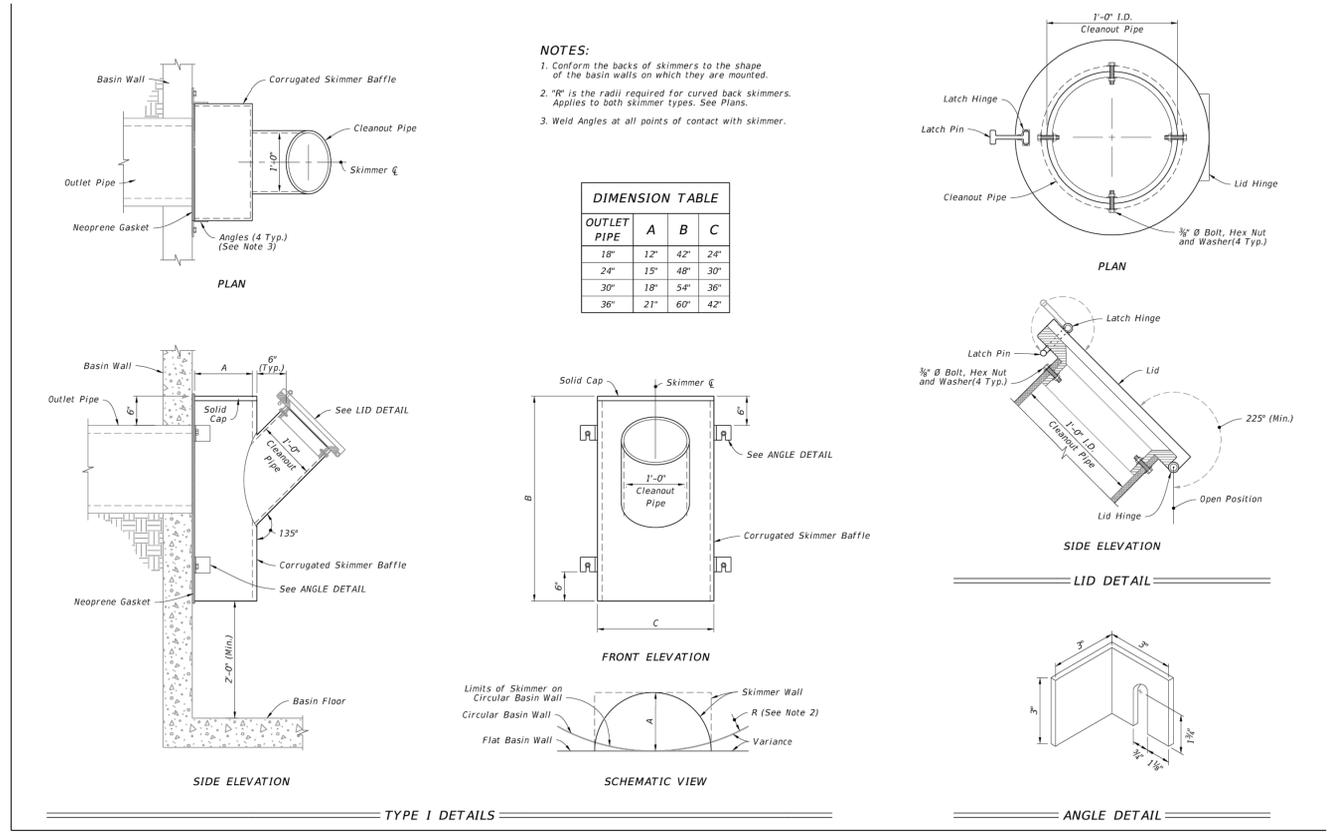
PAVING, GRADING, & DRAINAGE DETAILS

ORIOLE BEACH BOAT RAMP IMPROVEMENTS
FOR
SANTA ROSA COUNTY

REV	DATE	NOTES
1	2024-12-20	REVISED DRAFT COMMENTS
2	2025-02-20	REVISED DRAFT

DRAFTER: ACN DATE DRAWN: 12/18/2024
CHECKED BY: MPW
PROJECT NO.: 1005181_003

REV	DATE	NOTES
1	2025-12-23	NO. 1005181 COMMENTS
DR	ACN	DATE DRAWN: 12/18/2024
CHK	MPW	CHECKED BY: MPW
PROJECT NO. 1005181_003		

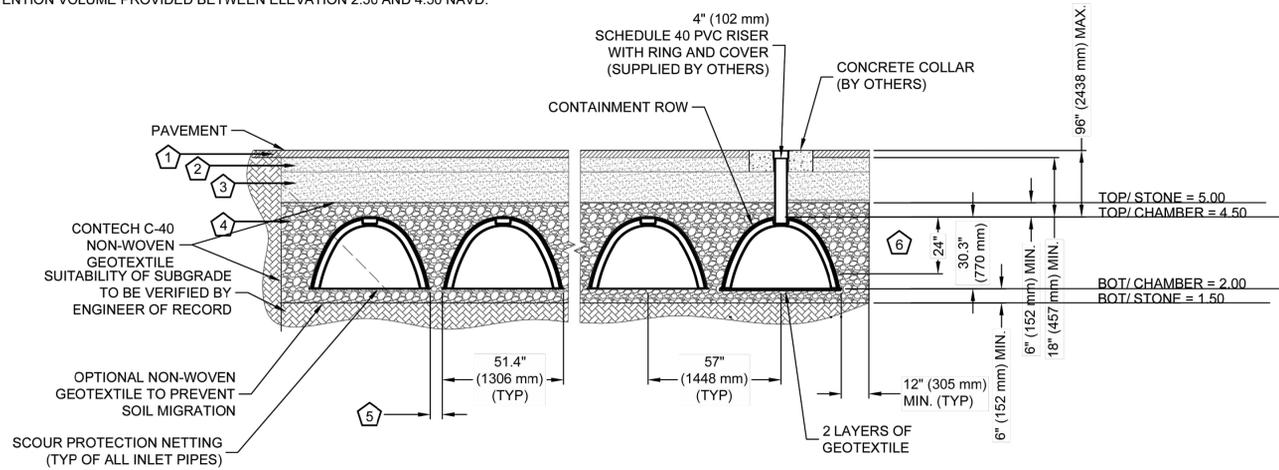


NOTE:

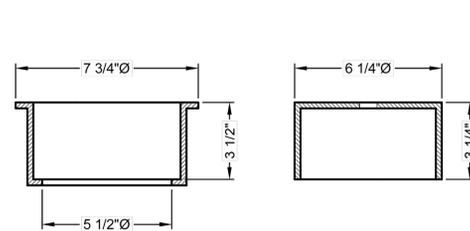
1. IF ANY FILL OR BACKFILL MATERIAL IS NEEDED IT SHOULD CONFORM WITH ALL LOCAL COLOR AND GRAINSIZE REQUIREMENTS AND SHOULD BE PLACED FOLLOWING RECOMMENDATIONS OF THE EARTHWORK SECTION IN THE GEOTECH REPORT.

KEY

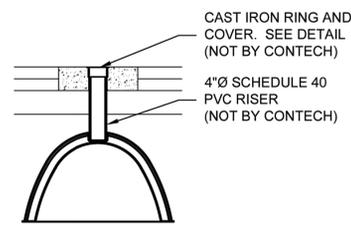
1. RIGID OR FLEXIBLE PAVEMENT.
2. GRANULAR ROAD BASE.
3. WELL GRADED GRANULAR FILL - AASHTO M145 A1, A2, OR A3. COMPACT TO MIN. 90% STANDARD DENSITY PER AASHTO T99. MAY INCLUDE ROAD BASE.
4. FREE DRAINING ANGULAR WASHED STONE 3/4" (19 mm) - 2" (51 mm) PARTICLE SIZE. INSTALL TO MIN. 95% STANDARD DENSITY PER AASHTO T99.
5. CHAMBER ROWS ARE SEPARATED INTO 4 TRENCHES WITH A MINIMUM 3' SPACING. SEE PLAN VIEW FOR PROJECT SPECIFIC LAYOUT.
6. RETENTION VOLUME PROVIDED BETWEEN ELEVATION 2.50 AND 4.50 NAVD.



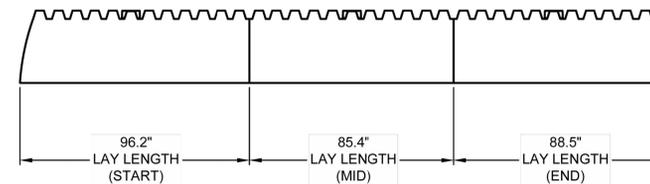
NOTE:
TYPICAL SECTION SHOWN. THIS PROJECT HAS EACH INDIVIDUAL CHAMBER WITHIN ITS OWN TRENCH.



RING AND COVER DETAIL
NOT TO SCALE



INSPECTION PORT DETAIL
NOT TO SCALE



TYPICAL ELEVATION VIEW
NOT TO SCALE

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MARK	DATE	REVISION DESCRIPTION	BY

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ENGINEERED SOLUTIONS LLC
www.ContechES.com
9100 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

CHAMBERMaxx
PATENT PENDING
CONTECH
PROPOSAL
DRAWING

CHAMBERMAXX RETENTION SYSTEM - 726090-10
Oriole Beach Boat Ramp Improvements
Gulf Breeze, FL
SITE DESIGNATION: N/A

PROJECT No.: 726090	SEQ. No.: 10	DATE: 12/10/25
DESIGNED: JRS	DRAWN: JRS	
CHECKED: ---	APPROVED: ---	
SHEET NO.: 2 OF 3		

COASTAL TECH
ENVIRONMENTAL · CIVIL ENGINEERING AND PLANNING
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CHARLES T. FONTANE II, P.E. DATE
FLORIDA P.E. LICENSE NUMBER 73042

PAVING, GRADING, & DRAINAGE DETAILS
ORIOLE BEACH BOAT RAMP IMPROVEMENTS
FOR
SANTA ROSA COUNTY

REV	DATE	NOTES	DATE DRAWN	PROJECT NO.

ChamberStageVsStorage

Prepared by Contech Engineered Solutions
HydroCAD® 10.20-5c s/n 00447 © 2023 HydroCAD Software Solutions LLC

Type II 24-hr Rainfall=1.21"

Printed 12/18/2025
Page 7

Stage-Area-Storage for Pond 19P: Detention A

Elevation (feet)	Storage (cubic-feet)	Elevation (feet)	Storage (cubic-feet)
2.00	0	4.70	4,813
2.05	103	4.75	4,869
2.10	205	4.80	4,924
2.15	306	4.85	4,980
2.20	407	4.90	5,037
2.25	507	4.95	5,093
2.30	608	5.00	5,150
2.35	707	5.05	5,183
2.40	807	5.10	5,193
2.45	906	5.15	5,204
2.50	1,004	5.20	5,214
2.55	1,112	5.25	5,224
2.60	1,220	5.30	5,234
2.65	1,327	5.35	5,244
2.70	1,433	5.40	5,254
2.75	1,539	5.45	5,264
2.80	1,644	5.50	5,274
2.85	1,749		
2.90	1,853		
2.95	1,957		
3.00	2,060		
3.05	2,162		
3.10	2,264		
3.15	2,365		
3.20	2,465		
3.25	2,565		
3.30	2,664		
3.35	2,763		
3.40	2,860		
3.45	2,957		
3.50	3,053		
3.55	3,148		
3.60	3,243		
3.65	3,336		
3.70	3,429		
3.75	3,521		
3.80	3,611		
3.85	3,701		
3.90	3,789		
3.95	3,876		
4.00	3,961		
4.05	4,045		
4.10	4,128		
4.15	4,178		
4.20	4,232		
4.25	4,287		
4.30	4,343		
4.35	4,402		
4.40	4,461		
4.45	4,521		
4.50	4,582		
4.55	4,643		
4.60	4,704		
4.65	4,759		

CHAMBERMAXX DESIGN DETAILS

FEATURE	START CHAMBER	MIDDLE CHAMBER	END CHAMBER
OVERALL CHAMBER HEIGHT - IN	30.3	30.3	30.3
OVERALL CHAMBER WIDTH - IN	51.4	51.4	51.4
ACTUAL LENGTH - IN	98.4	91.0	92.0
INSTALLED LAY LENGTHS - IN	96.2	85.4	88.5
CHAMBER STORAGE VOLUME - CF	50.2	47.2	46.2
CHAMBER STORAGE PER LINEAR FOOT - CF/LF	6.3	6.6	6.3
*MIN. INSTALLED CHAMBER VOLUME - CF	78.1	75.1	74.1
*MIN. INSTALLED CHAMBER VOLUME PER LINEAR FOOT - CF/LF	9.7	10.6	10.0
CHAMBER WEIGHT - LB	83	73	76
*6" OF STONE ABOVE AND BELOW CHAMBER, 5.6" CHAMBER SPACING AND 40% POROSITY			

GENERAL NOTES

- ALL ELEVATIONS, DIMENSIONS AND LOCATIONS OF RISERS AND INLETS SHALL BE VERIFIED BY THE ENGINEER OF RECORD.
- PRIOR TO INSTALLATION OF THE CHAMBERMAXX SYSTEM A PRE-CONSTRUCTION MEETING SHALL BE CONDUCTED. THOSE REQUIRED TO ATTEND ARE THE SUPPLIER OF THE SYSTEM, THE GENERAL CONTRACTOR, SUB-CONTRACTORS AND THE ENGINEER.
- CHAMBERMAXX CHAMBERS ARE MANUFACTURED FROM POLYPROPYLENE PLASTIC.
- CHAMBERMAXX SYSTEM TO MEET AASHTO HS20/HS25 LIVE LOADING, PER AASHTO LRFD SECTION 12.
- ACCESS COVERS TO MEET AASHTO HS20/HS25 LIVE LOADING.
- MINIMUM COVER IS 18-INCHES TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT. FOR COVER HEIGHTS GREATER THAN 96-INCHES CONTACT YOUR LOCAL REPRESENTATIVE.
- ALL PARTS PROVIDED BY CONTECH UNLESS OTHERWISE NOTED.
- FOR INFORMATION ON PRE-TREATMENT SYSTEMS, REFERENCE CONTECH PRE-TREATMENT SYSTEM STANDARD DETAILS OR CONTACT YOUR LOCAL REPRESENTATIVE.
- CHAMBERMAXX BY CONTECH ENGINEERED SOLUTIONS (800) 925-5240

INSTALLATION NOTES

- CHAMBERMAXX INSTALLATION GUIDE TO BE REVIEWED BY CONTRACTOR PRIOR TO INSTALLATION.
- PRIOR TO PLACING BEDDING, THE FOUNDATION MUST BE CONSTRUCTED TO A UNIFORM AND STABLE GRADE. IN THE EVENT THAT UNSUITABLE FOUNDATION MATERIALS ARE ENCOUNTERED DURING EXCAVATION, UNSUITABLE MATERIAL SHALL BE REMOVED AND BROUGHT BACK TO GRADE WITH FILL MATERIAL AS APPROVED BY THE ENGINEER OF RECORD. ONCE THE FOUNDATION PREPARATION IS COMPLETE, THE BEDDING MATERIAL CAN BE PLACED.
- THE SCOUR PROTECTION NETTING TO EXTEND 1'-0" BEYOND OUTSIDE EDGE OF INLET CHAMBERS.
- COVER ANY OPEN VOID SPACES GREATER THAN 3/4" ON CHAMBERS WITH A NON-WOVEN GEOTEXTILE TO PREVENT INFILTRATION OF BACKFILL MATERIAL.
- STONE EMBEDMENT MATERIAL SHALL BE INSTALLED TO 95% STANDARD PROCTOR DENSITY AND PLACED IN 6-INCH TO 8-INCH LIFTS SUCH THAT THERE IS NO MORE THAN A TWO LIFT DIFFERENTIAL BETWEEN ANY OF THE CHAMBERS AT ANY TIME. GRANULAR BACKFILL MATERIAL SHALL BE COMPACTED TO 90% SPD. BACKFILLING SHALL BE ADVANCED ALONG THE LENGTH OF THE CHAMBER ROWS AT THE SAME RATE TO AVOID DIFFERENTIAL LOADING AND DISPLACEMENT OF THE CHAMBERS. THE MINIMUM CHAMBER SPACING MUST BE MAINTAINED.
- REFER TO CHAMBERMAXX INSTALLATION GUIDE FOR TEMPORARY CONSTRUCTION LOADING GUIDELINES.
- IT IS ALWAYS THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW OSHA GUIDELINES FOR SAFE PRACTICES.
- GENERAL INSTALLATION METHODS AND MATERIALS TO BE IN ACCORDANCE WITH ASTM D2321.
- ANTI-FLOTATION PROVISIONS DUE TO HIGH GROUNDWATER OR OTHER FLOTATION CONCERNS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER ON RECORD.



COASTAL - ENVIRONMENTAL - CIVIL ENGINEERING AND PLANNING
CERTIFICATE OF AUTHORIZATION NUMBER: 0004166
3625 20TH STREET, VERO BEACH, FL 32960 (772) 662-6660

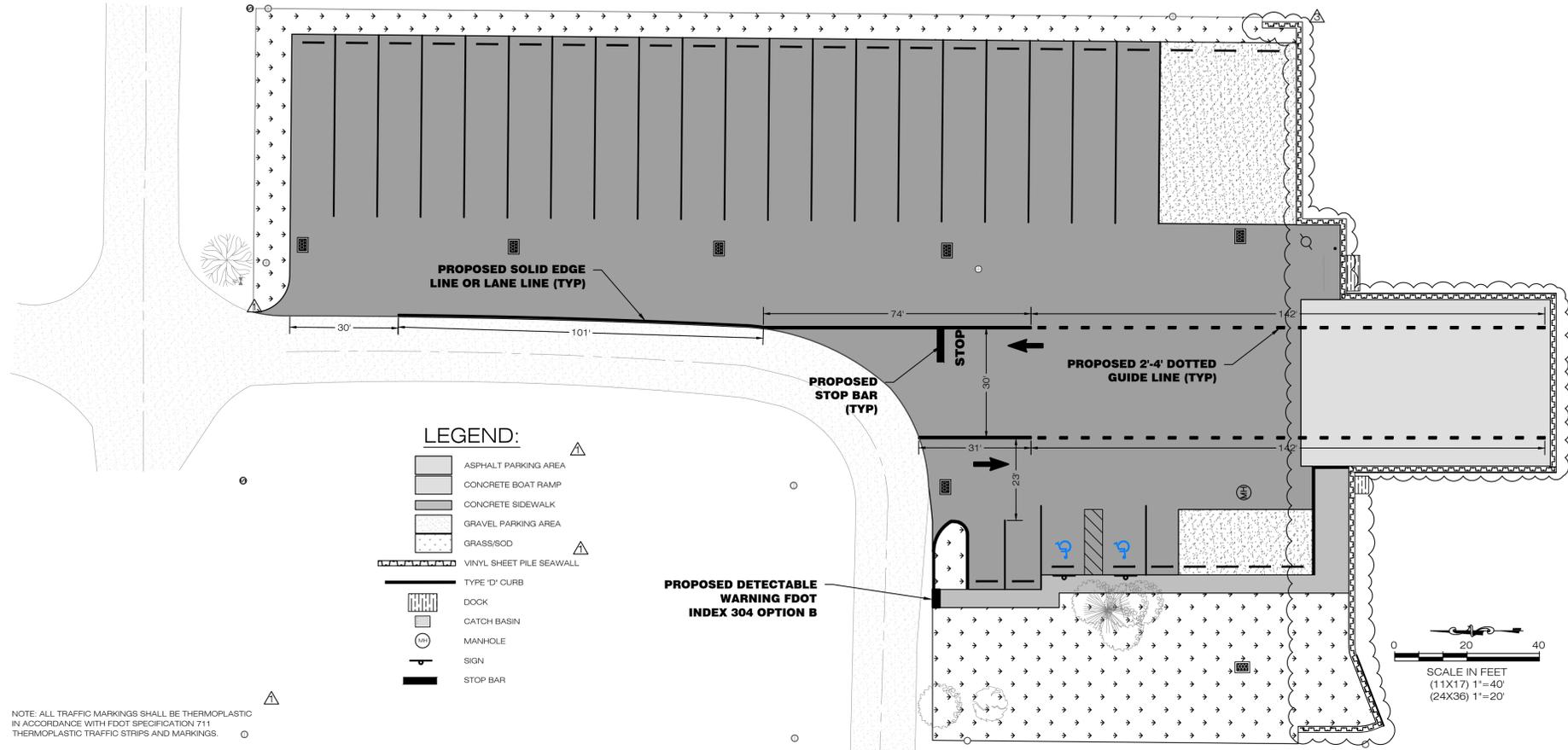
CHARLES T. FONTANE III, P.E. DATE
FLORIDA P.E. LICENSE NUMBER 73042

PAVING, GRADING, & DRAINAGE DETAILS

ORIOLE BEACH BOAT RAMP IMPROVEMENTS
FOR
SANTA ROSA COUNTY

REV	DATE	NOTES
1	2025-12-20	ISSUE FOR CONSTRUCTION
2	2025-02-20	REVISED FOR PERMITS

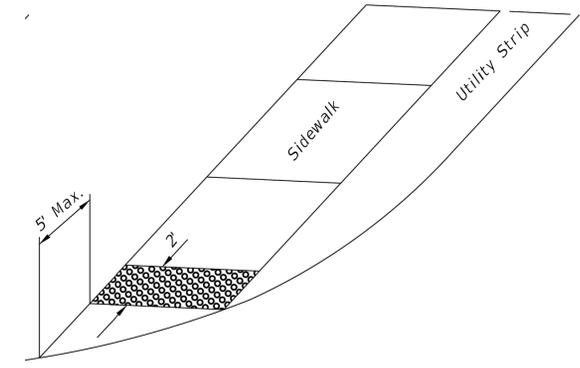
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CHECKED BY: MPW
PROJECT NO. 1005181 003



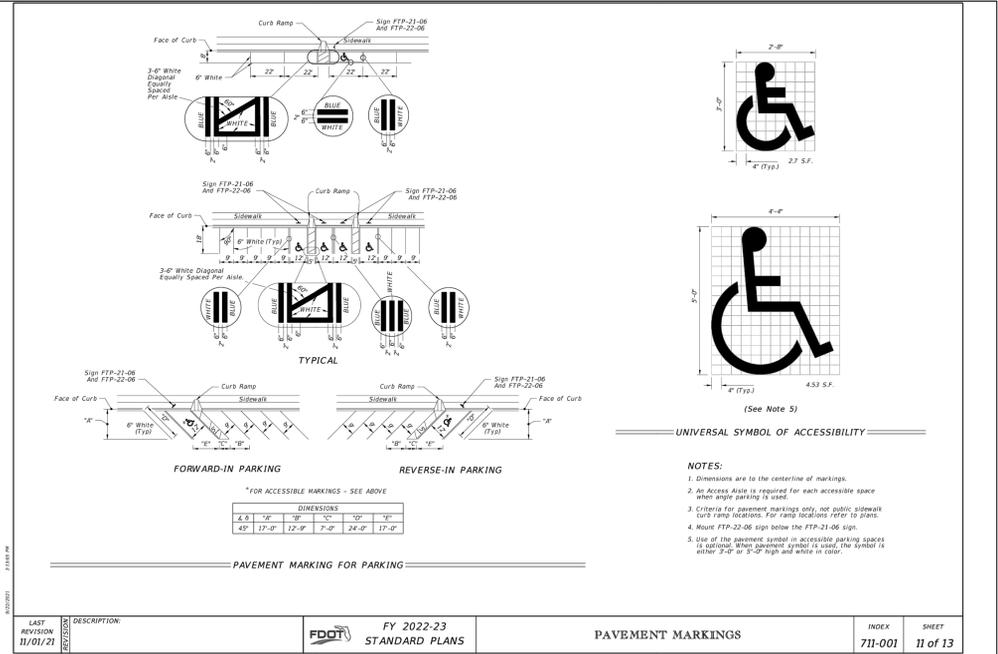
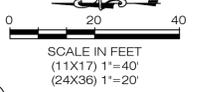
LEGEND:

[Symbol]	ASPHALT PARKING AREA
[Symbol]	CONCRETE BOAT RAMP
[Symbol]	CONCRETE SIDEWALK
[Symbol]	GRAVEL PARKING AREA
[Symbol]	GRASS/SOD
[Symbol]	VINYL SHEET PILE SEAWALL
[Symbol]	TYPE 'D' CURB
[Symbol]	DOCK
[Symbol]	CATCH BASIN
[Symbol]	MANHOLE
[Symbol]	SIGN
[Symbol]	STOP BAR

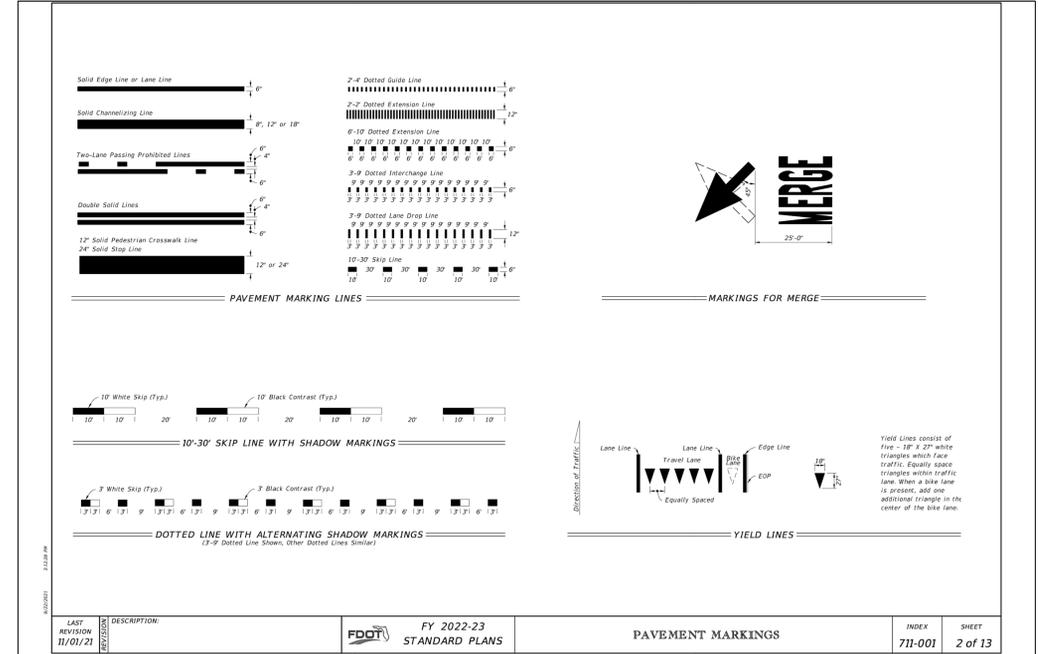
NOTE: ALL TRAFFIC MARKINGS SHALL BE THERMOPLASTIC IN ACCORDANCE WITH FDOT SPECIFICATION 711 THERMOPLASTIC TRAFFIC STRIPS AND MARKINGS.



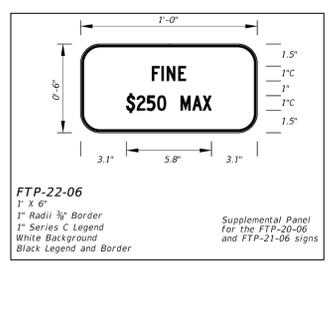
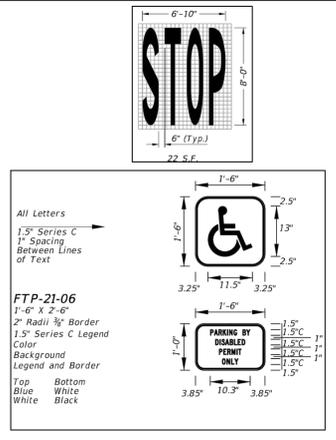
PICTORIAL VIEW
FLUSH SHOULDER
(OPTION B)
FDOT INDEX 304 DETECTABLE WARNING



LAST REVISION: 11/01/21	DESCRIPTION: PAVEMENT MARKINGS	INDEX: 711-001	SHEET: 11 of 13
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LAST REVISION: 11/01/21	DESCRIPTION: PAVEMENT MARKINGS	INDEX: 711-001	SHEET: 2 of 13
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REV	DATE	DESCRIPTION	BY	CHKD	DATE
1	2024-12-20	REVISED FOR COMMENTS	MR. BRAWLEY		
2	2024-03-05				

PROJECT NO. 1005181 003

