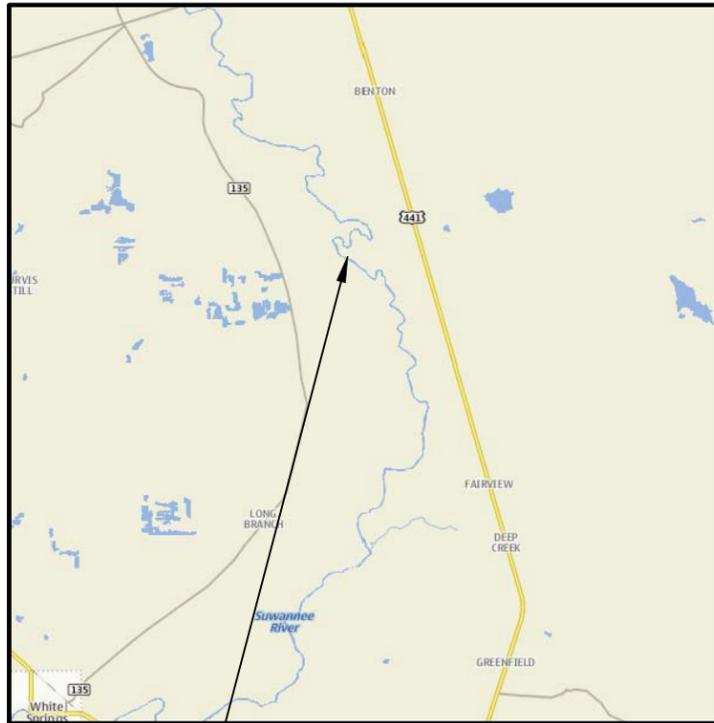
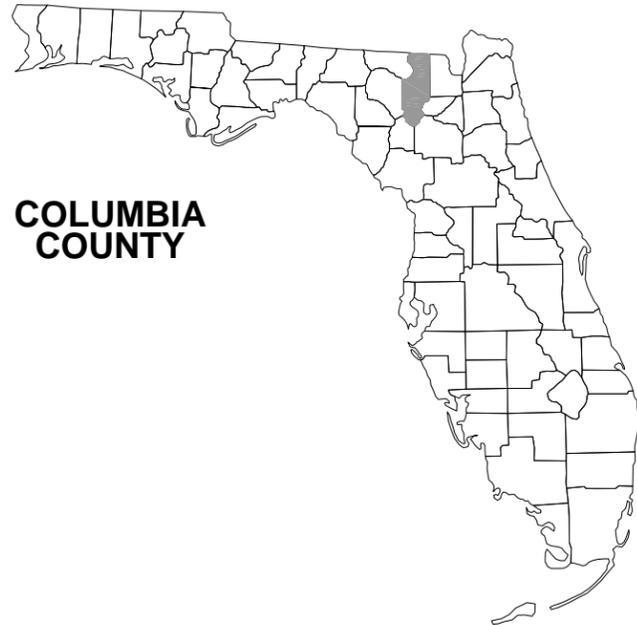


CONE BRIDGE BOAT RAMP IMPROVEMENTS

COLUMBIA COUNTY, FLORIDA

SECTION 36, TOWNSHIP 1 NORTH, & RANGE 16 EAST



PROJECT LOCATION

SHEET INDEX

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PLANS PREPARED FOR:

CLINT PITTMAN, PROJECT MANAGER
COLUMBIA COUNTY BOARD OF COUNTY COMMISSIONERS
341 SE CHARMONT LANE
LAKE CITY, FLORIDA 32025
PH. (386) 719-7545

FINAL CONSTRUCTION PLANS
03/2014

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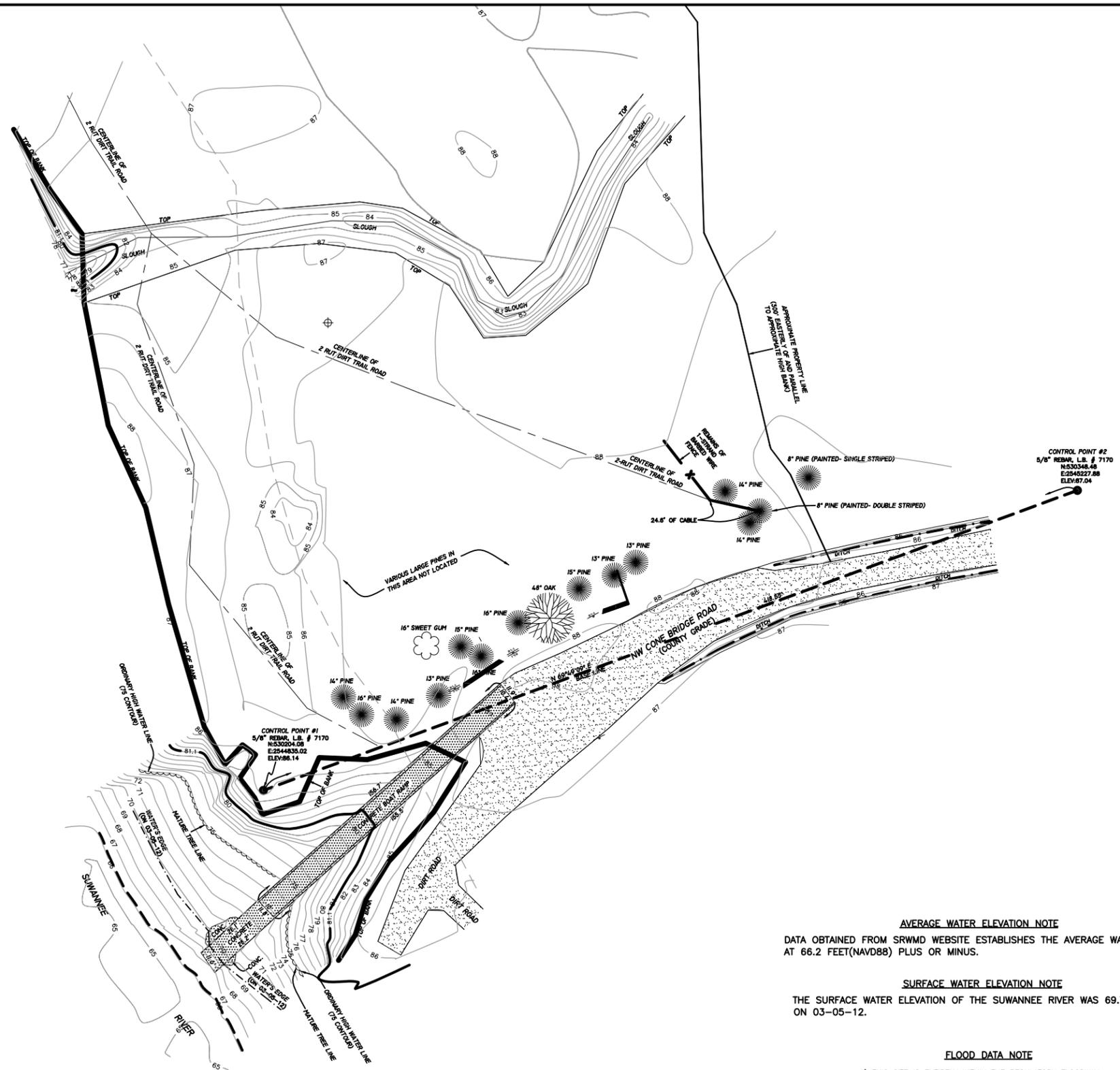
North Florida Professional Services, Inc.
 P.O. BOX 3823
 Lake City, FL 32025
 Ph. 386-752-4675
 Fax. 386-752-4674
 Eng. Lic. 29011

COVER SHEET

REVISIONS:
 JOB NUMBER: **L110101CCB**
 DESIGNED BY: [] DRAFTED BY: [] CHECKED BY: []
 CM CM GB
 SIGNATURE & SEAL
 DATE: **04/2012**
 SHEET NO. **1**

BOUNDARY NOTE:

OFFICIAL RECORDS BOOK 360, PAGES 1-4, AS RECORDED IN THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA, CALLS FOR THE POINT OF BEGINNING OF SUBJECT PROPERTY TO BE A POINT ON THE CENTERLINE OF OLD CONEBRIDGE ROAD. IT IS UNCLEAR AS TO WHERE THIS POINT WOULD BE LOCATED IN AN EAST-WEST DIRECTION ALONG THE CENTERLINE OF OLD CONEBRIDGE ROAD. THE FOLLOWING CALLS IN THE DEED SAY TO RUN NORTHWESTERLY ALONG THE EAST BANK OF THE SUWANNEE RIVER FOR A DISTANCE OF 870 FEET; THENCE PERPENDICULAR TO THE RIVER, 300 FEET; THENCE SOUTH TO THE CENTERLINE OF OLD CONEBRIDGE ROAD; THENCE WEST TO THE POINT OF BEGINNING. OTHER THAN A CABLE AND THE REMAINS OF AN OLD BARBED WIRE FENCE (APPROXIMATELY 280 FEET EAST OF THE HIGH BANK), NO OTHER EVIDENCE OF A BOUNDARY LINE EXISTS AT A POINT 300 FEET EAST OF THE BANK OF THE SUWANNEE RIVER. IT APPEARS THAT THE PURPOSE OF THE CABLE AND BARBED WIRE FENCE IS TO BLOCK AN OLD TRAIL/TIMBER ROAD THAT RUNS NORTHERLY. IT IS MY OPINION THAT COLUMBIA COUNTY AND THE ADJOINING PROPERTY OWNER NEED TO AGREE ON THE LOCATION OF THE EAST BOUNDARY LINE, DUE TO THE FACT THAT THE POINT OF BEGINNING COULD VARY WITH THE OPINION OF WHERE THE HIGH BANK OF THE SUWANNEE RIVER WAS LOCATED AT THE TIME THE ORIGINAL DESCRIPTION WAS CREATED (AND WHAT WAS THE INTENT OF THE BULLARD FAMILY AND COLUMBIA COUNTY AS TO WHAT PROPERTY WAS BEING DEEDED).



LEGEND & NOTES

- DENOTES 5/8" REBAR WITH CAP SET, L.B. # 7170.
- N530348.46
E:2548227.88 DENOTES NORTHING AND EASTING BASED ON NAD83.
- 85---85--- DENOTES CONTOUR LINE.
- X-----X-----X DENOTES EXISTING FENCE.
- 1) FENCE, ROAD AND OVERHEAD ELECTRIC DIMENSIONS MAY NOT BE TO SCALE.
- 2) NO RESEARCH DONE ON ADJOINING PROPERTY DEEDS TO DETERMINE DEED OVERLAPS OR BOUNDARY LINE DISPUTES. PROPERTY SURVEYED AS PER DESCRIPTION PROVIDED BY CLIENT, NO ABSTRACT PROVIDED.
- 3) NO UNDERGROUND IMPROVEMENTS, IF ANY, LOCATED BY THIS SURVEY.
- 4) BEARINGS AND COORDINATES BASED ON NAD83 (CONTROL-FLGPS 25, COLUMBIA COUNTY, FL, NORTHING: 2555911.52, EASTING: 518872.20).
- 5) ELEVATIONS AND CONTOURS BASED ON NAVD88 (CONTROL-FLGPS 25, COLUMBIA COUNTY, FL, ELEV: 108.45).
- 6) FENCE TIES TAKEN ONLY AT LOCATIONS SHOWN AND DEPICTED HEREON.
- 7) DISTANCES MEASURED IN U.S. FEET.
- 8) REVISED: 04-24-12 TO SHOW ADDITIONAL NOTES AND CONTOUR 2 YEAR FLOOD ELEVATION.

AVERAGE WATER ELEVATION NOTE

DATA OBTAINED FROM SRWMD WEBSITE ESTABLISHES THE AVERAGE WATER ELEVATION AT 66.2 FEET(NAVD88) PLUS OR MINUS.

SURFACE WATER ELEVATION NOTE

THE SURFACE WATER ELEVATION OF THE SUWANNEE RIVER WAS 69.7 FEET(NAVD88) ON 03-05-12.

FLOOD DATA NOTE

- 1) THIS SITE IS ENTIRELY WITHIN THE REGULATORY FLOODWAY.

ORDINARY HIGH WATER LINE NOTES

- 1) SAFE UPLAND LINE IS A LINE AT OR ABOVE THE ORDINARY HIGH WATER LINE.
- 2) SAFE UPLAND LINE ESTABLISHED BY WORKING WITH THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.
- 3) SAFE UPLAND LINE ESTABLISHED ON WATERWARD SIDE OF MATURE TREE LINE.

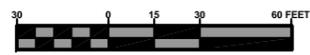
SRWMD FLOOD INFORMATION REPORT

ZONE: AE
 FLOODWAY: YES
 100 YEAR FLOOD ELEVATION: 97.3 (FEET)
 10 YEAR FLOOD ELEVATION: 92.2 (FEET)
 2 YEAR FLOOD ELEVATION: 81.1 (FEET)
 OUTSTANDING FLORIDA WATERS: SUWANNEE RIVER
 NOTE: ALL ELEVATIONS ARE BASED ON NAVD88.

ABBREVIATIONS

CONC. - CONCRETE	Q/S - OFFSET
IP - IRON PIPE	FDOT - FLORIDA DEPARTMENT OF TRANSPORTATION
REB. - REBAR	P.C. - POINT OF CURVATURE
ST. - STREET	P.T. - POINT OF TANGENCY
AVE. - AVENUE	P.I. - POINT OF INTERSECTION
NO ID - NO IDENTIFICATION	P.R.C. - POINT OF REVERSE CURVATURE
FD. - FOUND	P.C.C. - POINT OF COMPOUND CURVATURE
CM - CONCRETE MONUMENT	R. - RADIUS
± - MORE OR LESS	R/W - RIGHT-OF-WAY
ORB - OFFICIAL RECORDS BOOK	P.C.P. - PERMANENT CONTROL POINT
PG - PAGE(S)	P.R.M. - PERMANENT REFERENCE MONUMENT
(M) - MEASURED	EP - EDGE OF PAVEMENT
(P) - PLAT	EG - EDGE OF GRADE
(D) - DEED	C&G - CURB AND GUTTER
(C) - CALCULATED	ST. MH - STORM MANHOLE
(A) - ACTUAL	SS. MH - SANITARY SEWER MANHOLE
(R) - RECORD	ELEV. - ELEVATION
	B.M. - BENCHMARK
	☉ - CENTERLINE

GRAPHIC SCALE



North Florida Professional Services, Inc.
 P.O. BOX 3823
 Tallahassee, FL 32318
 Lake City, FL 32025
 Ph. 877-335-1525
 Ph. 386-752-4675
 Fax. 386-752-4674
 Eng. Lic. 29011

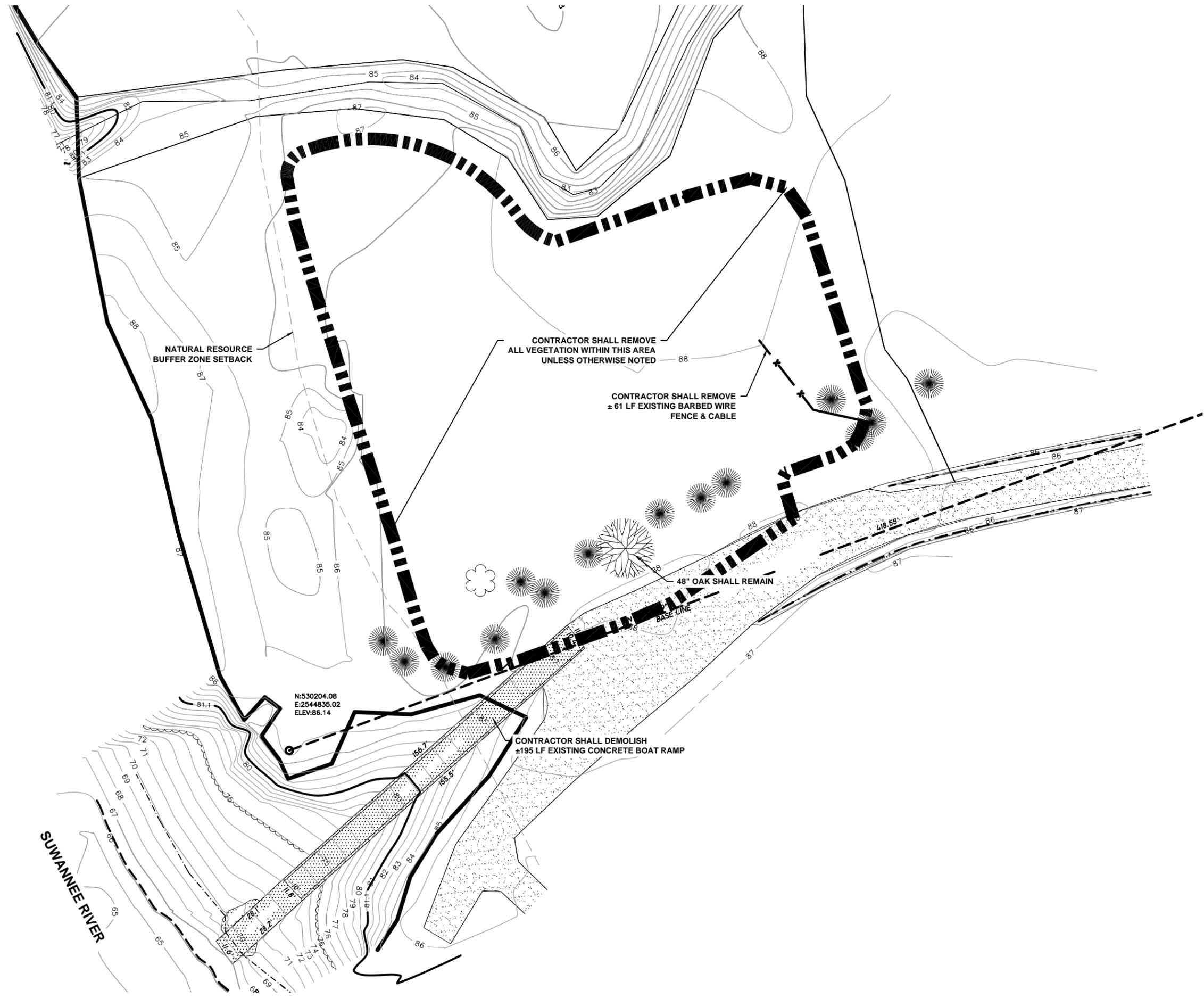


**EXISTING CONDITIONS PLAN
 CONE BRIDGE BOAT RAMP IMPROVEMENTS
 COLUMBIA COUNTY, FLORIDA**

REVISIONS:

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SIGNATURE & SEAL



N:530204.08
 E:2544835.02
 ELEV:86.14



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 Fax. 386-752-4674
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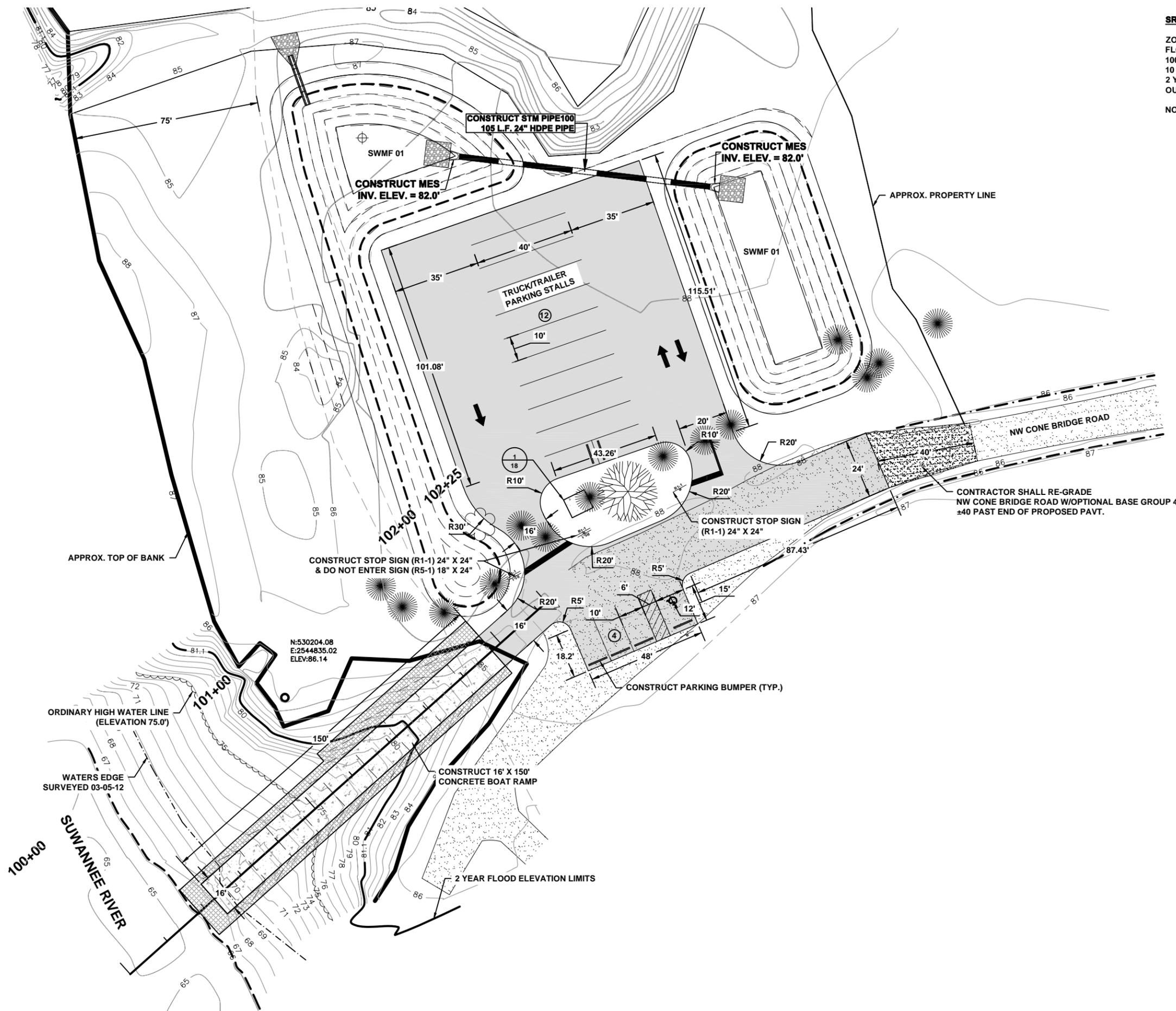


DEMOLITION PLAN
CONE BRIDGE BOAT RAMP IMPROVEMENTS
COLUMBIA COUNTY, FLORIDA

REVISIONS:

DATE	DESIGNED BY	DRAFTED BY	CHECKED BY
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JOB NUMBER: L110101CCB
 SIGNATURE & SEAL



SRWMD FLOOD INFORMATION

ZONE: AE
 FLOODWAY: YES
 100 YEAR FLOOD ELEVATION: 97.3 (FEET)
 10 YEAR FLOOD ELEVATION: 92.2 (FEET)
 2 YEAR FLOOD ELEVATION: 81.1 (FEET)
 OUTSTANDING FLORIDA WATERS: SUWANNEE RIVER
 NOTE: ALL ELEVATIONS ARE BASED ON NAVD88.



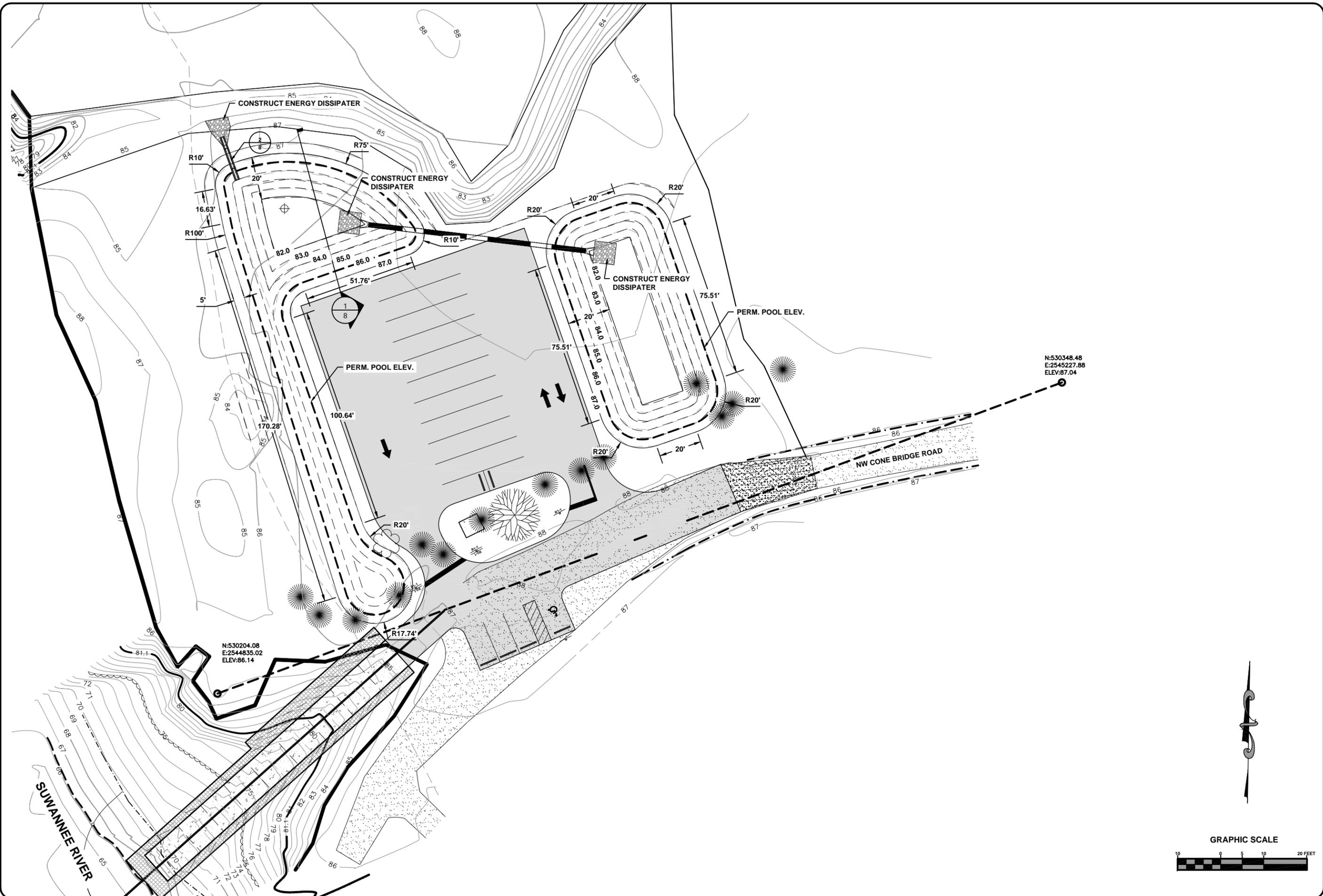
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SITE PLAN
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COLUMBIA COUNTY, FLORIDA

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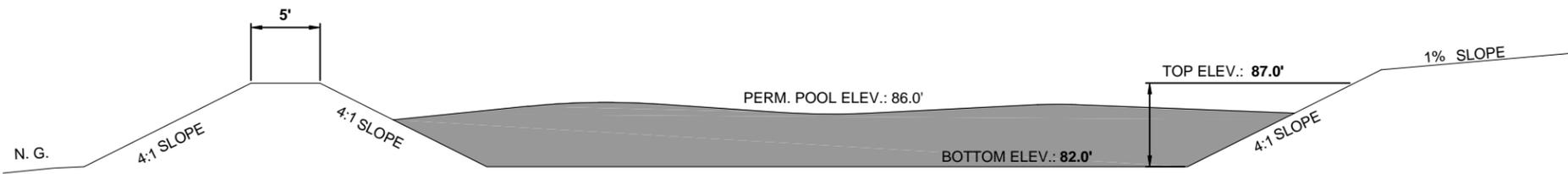


SWMF PLAN
CONE BRIDGE BOAT RAMP IMPROVEMENTS
COLUMBIA COUNTY, FLORIDA

REVISIONS:

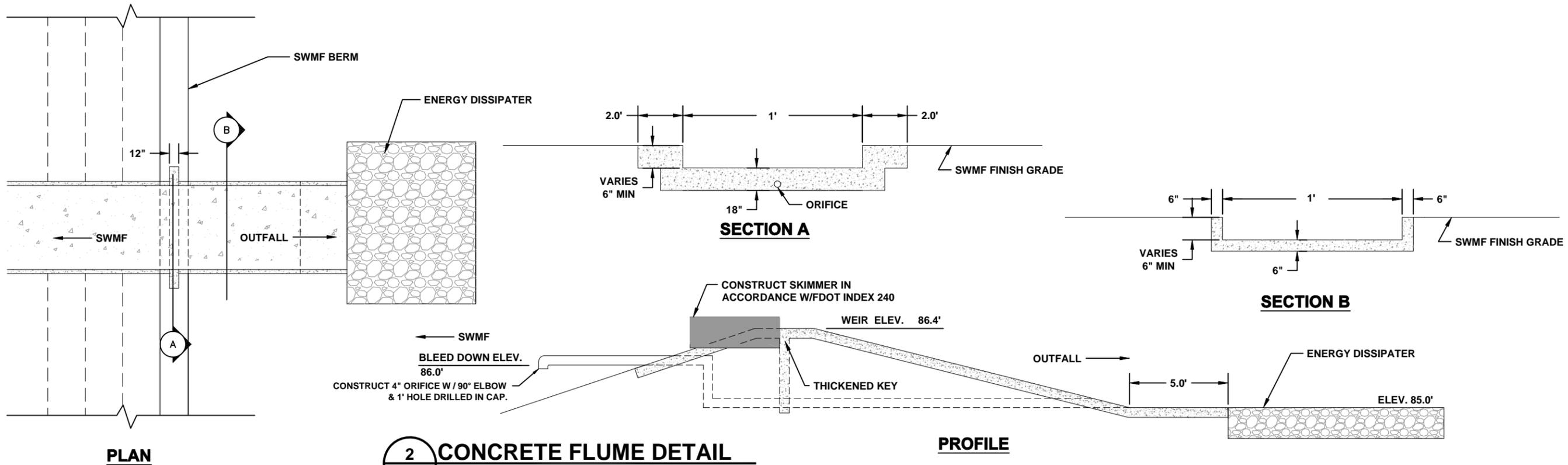
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SHEET NO.:	7

SIGNATURE & SEAL



CRITICAL EVENT: 8HR - 100 YR
CRITICAL EVENT STAGE: 86.81'

1 **STORMWATER MANAGEMENT FACILITY DETAIL**
8 **SCALE: N.T.S.**



2 **CONCRETE FLUME DETAIL**
8 **SCALE: N.T.S.**

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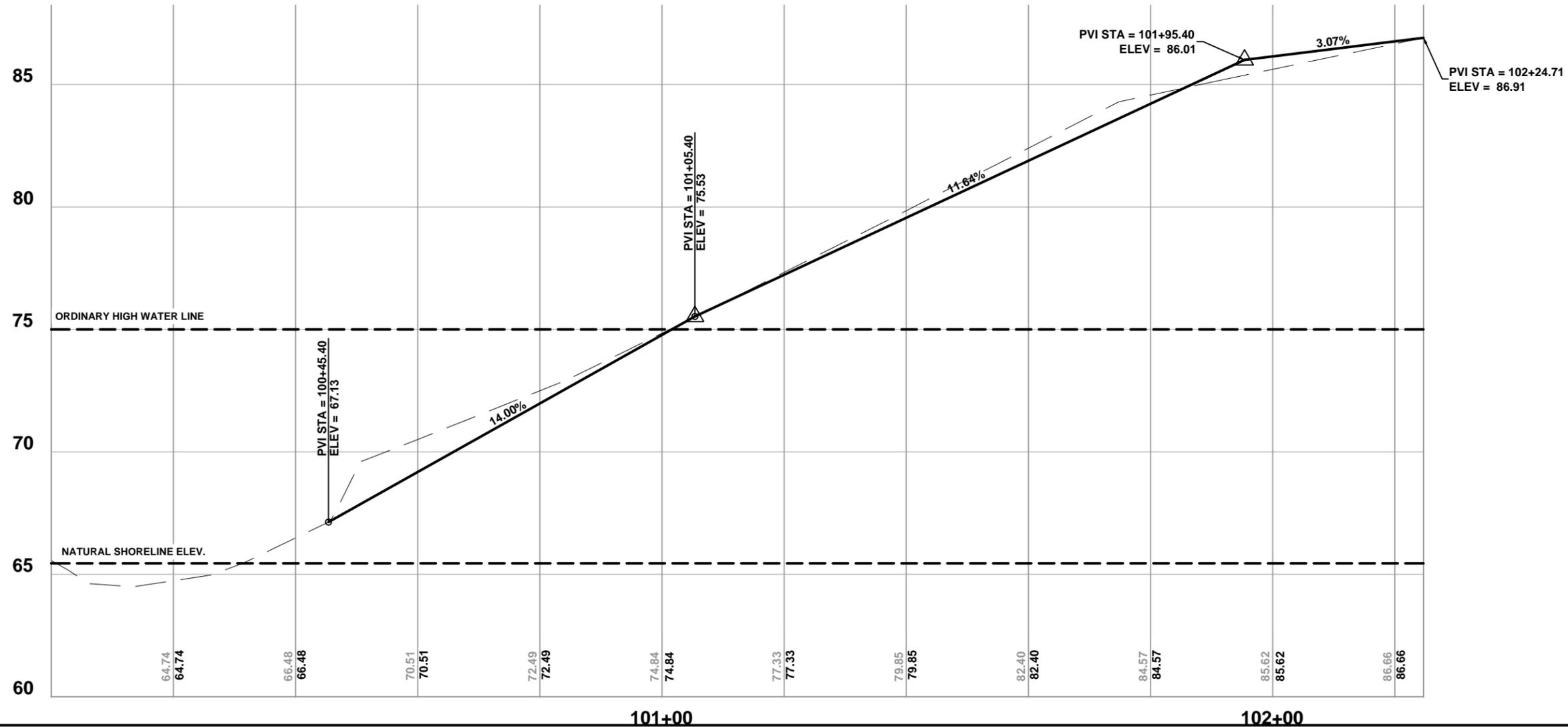
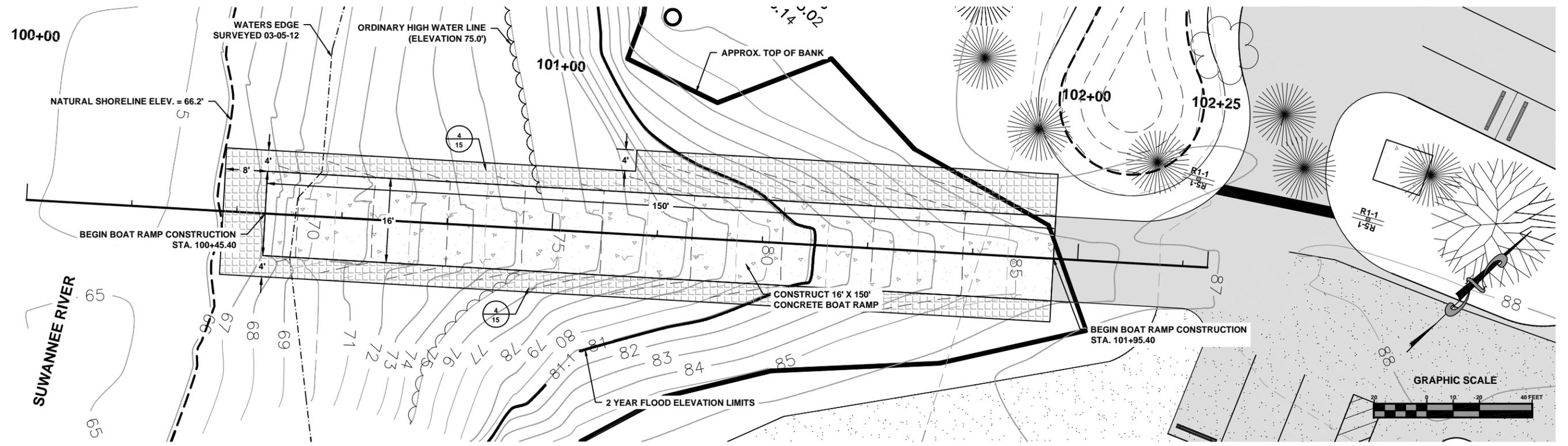
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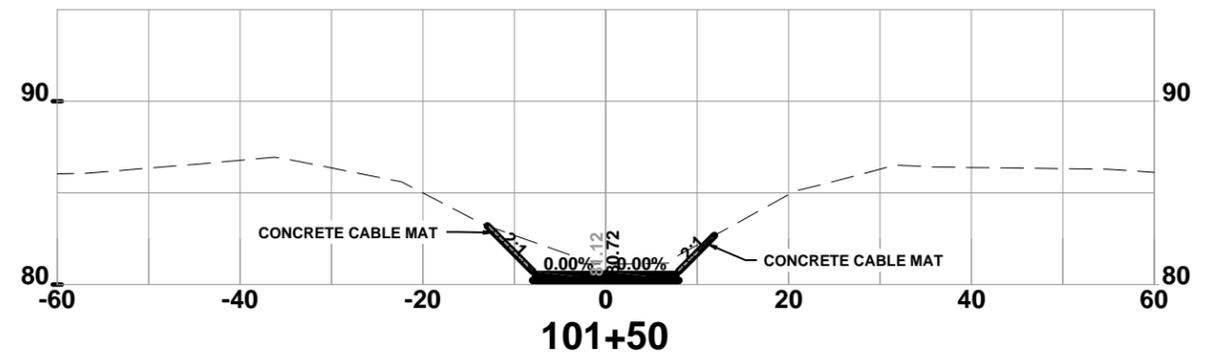
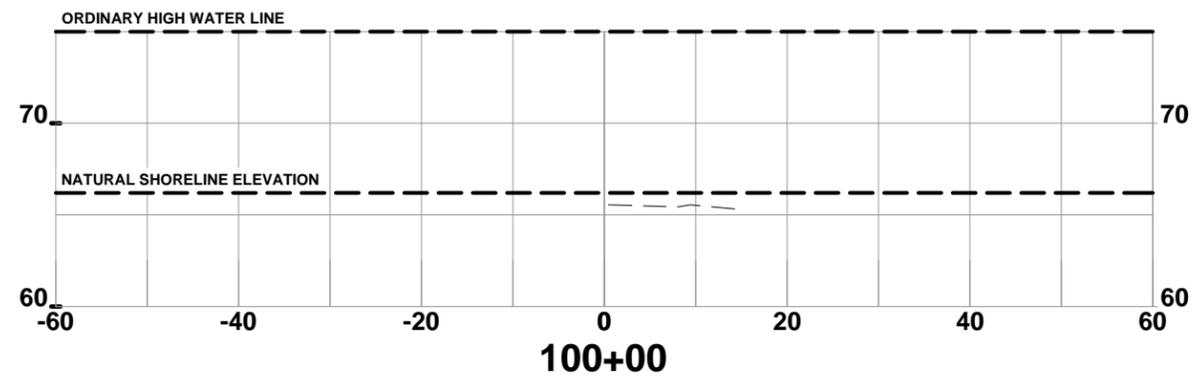
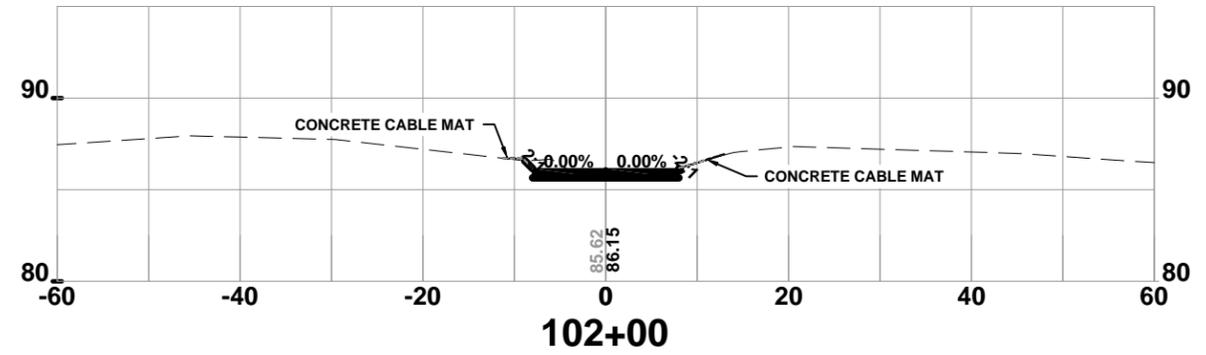
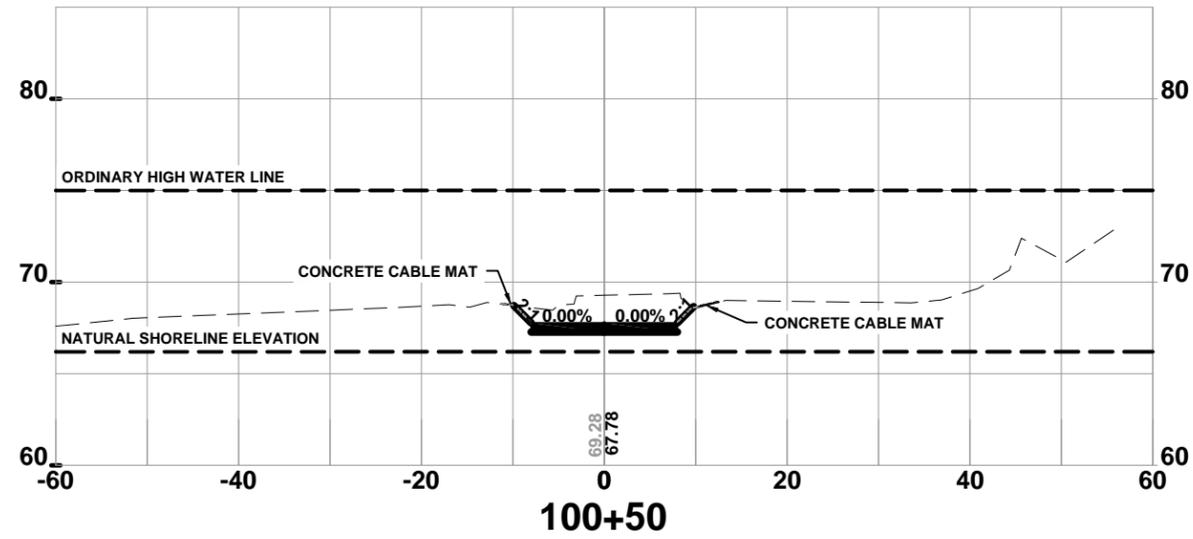
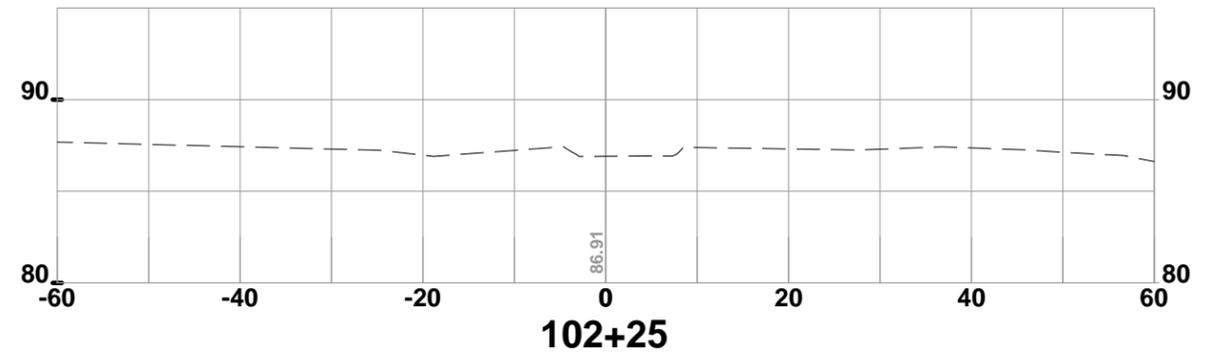
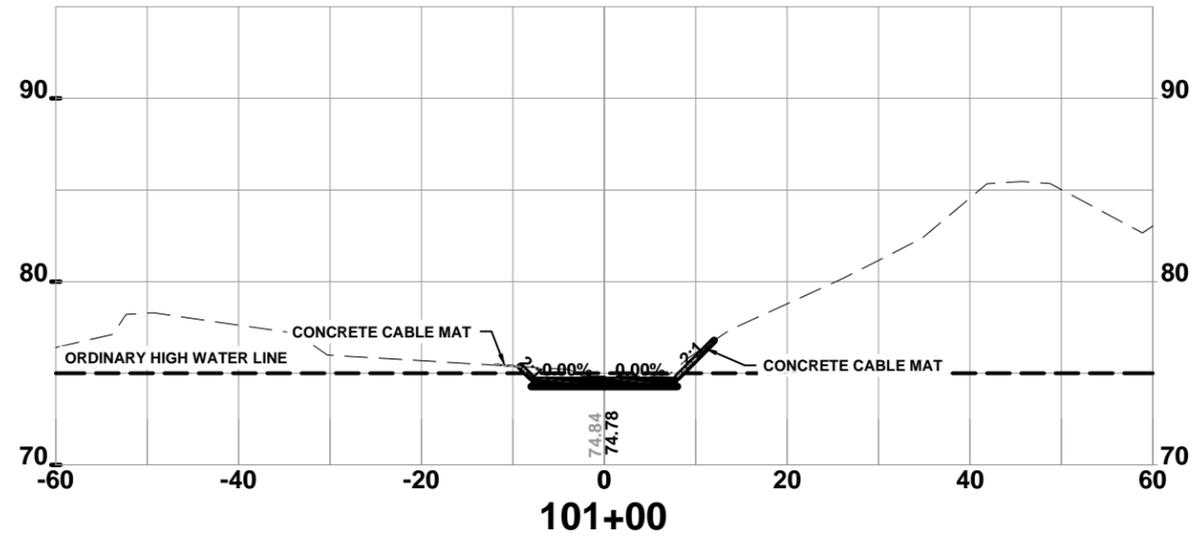
SWMF DETAILS PLAN
CONE BRIDGE BOAT RAMP IMPROVEMENTS
COLUMBIA COUNTY, FLORIDA

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DATE: 03/2012
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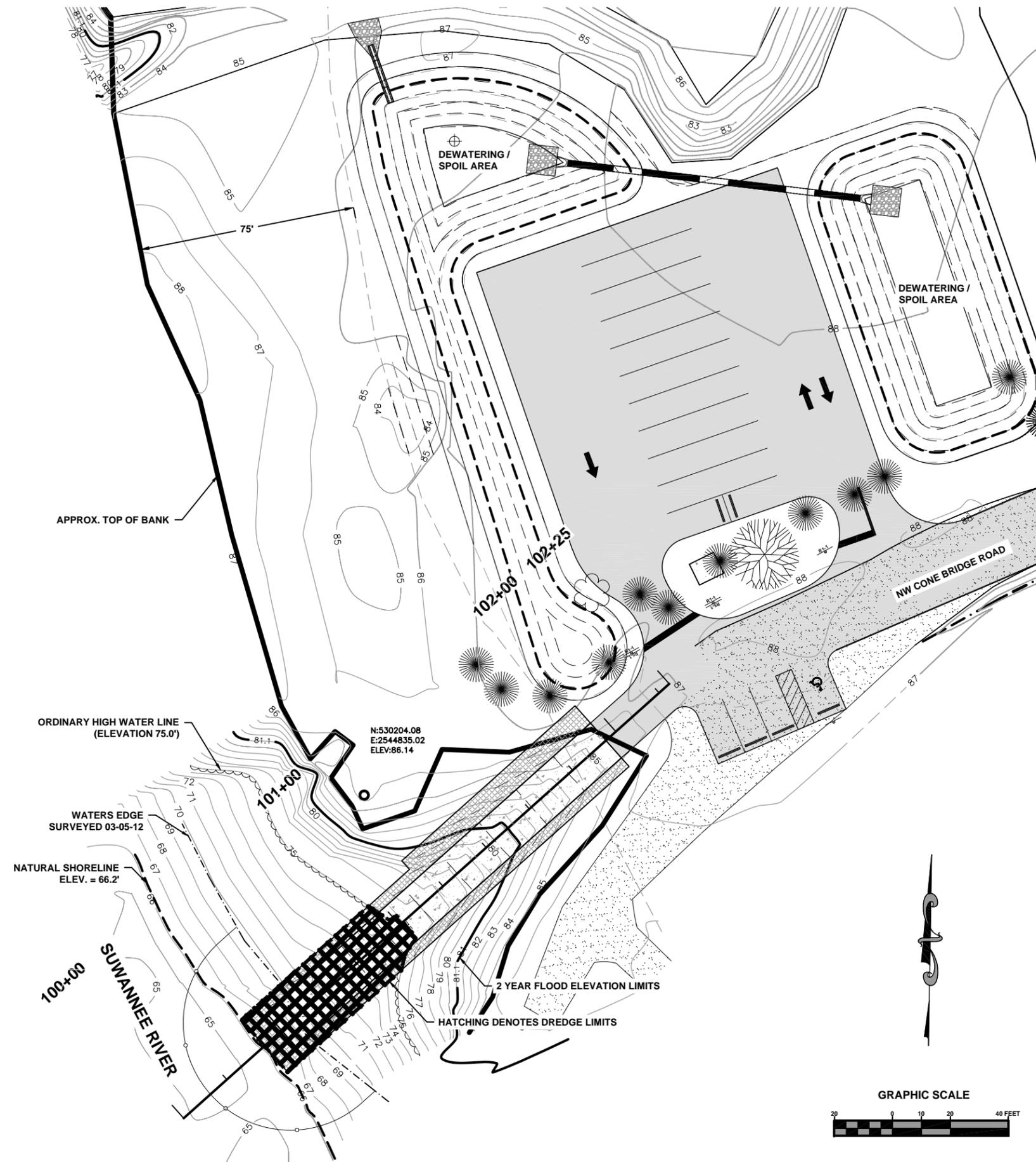




BOAT RAMP CROSS SECTION
CONE BRIDGE BOAT RAMP IMPROVEMENTS
 COLUMBIA COUNTY, FLORIDA

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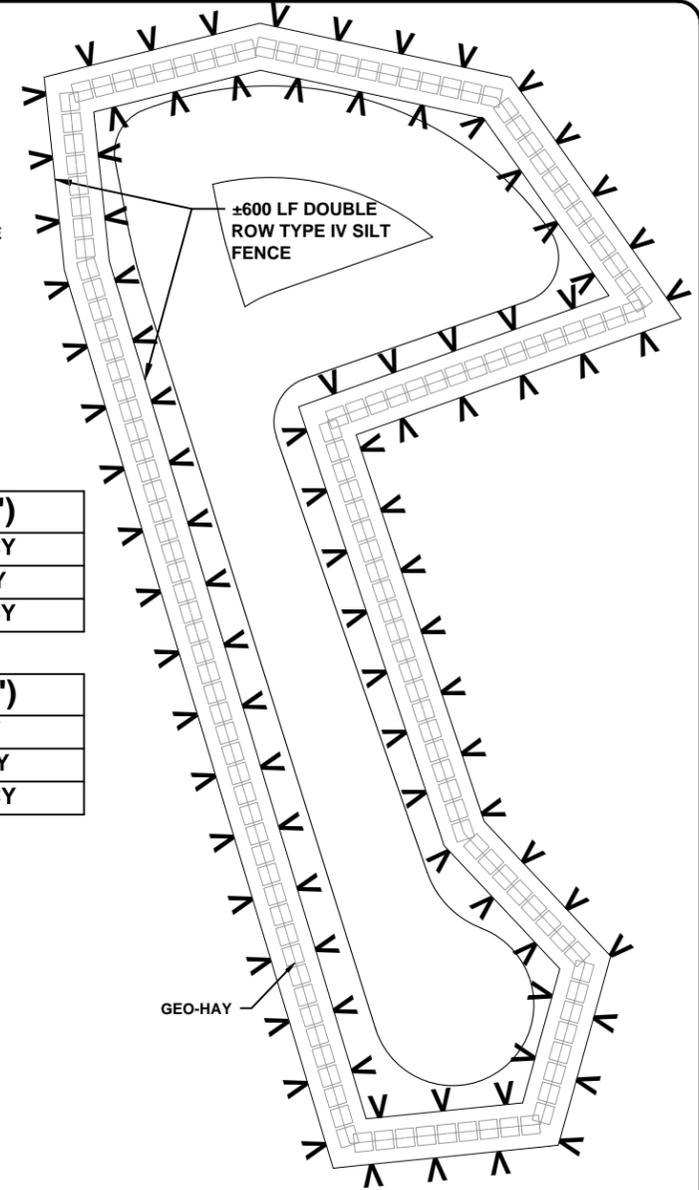


SPOIL AREA NOTES:

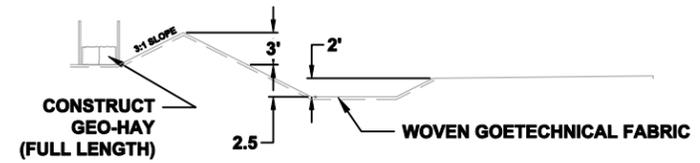
1. CONTRACTOR SHALL NOT EXCEED PUMPING RATE GREATER THAN DEWATERING AREA CAN HANDLE.
2. RUNOFF FROM SPOIL AREA SHALL NOT HAVE A DIRECT RETURN.
3. MATERIAL REMOVED FROM PROJECT SITE WILL BE DEPOSITED IN AN UPLAND AREA ON PUBLIC LAND FOR PUBLIC USE.

ABOVE OHWL (75.0')	
CUT	1,986 CY
FILL	102 CY
NET	1,884 CY

BELOW OHWL (75.0')	
CUT	31 CY
FILL	0.13 CY
NET	30.87 CY

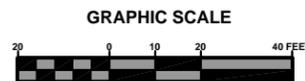


PLAN



CROSS SECTION

1 DEWATERING / SPOIL AREA DETAIL
11 SCALE:N.T.S.



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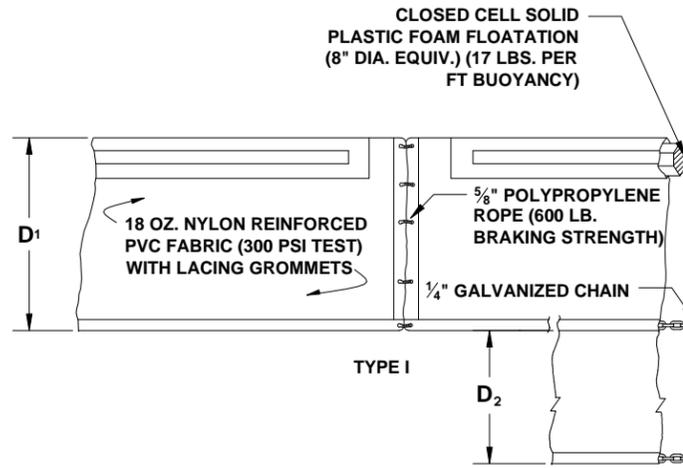
DREDGE PLAN
CONE BRIDGE BOAT RAMP IMPROVEMENTS
COLUMBIA COUNTY, FLORIDA

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EROSION CONTROL NOTES

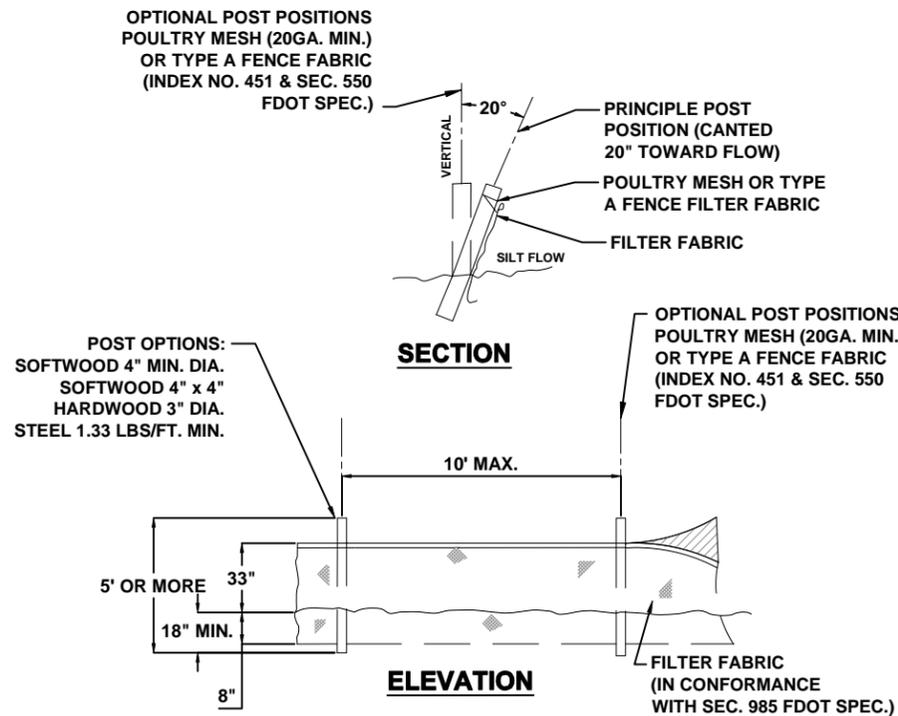
- THIS EROSION AND SEDIMENTATION CONTROL PLAN COMPLIES WITH THE REQUIREMENTS OF THE "FLORIDA DEVELOPMENT MANUAL" AND THE "FLORIDA EROSION AND SEDIMENT CONTROL INSPECTOR'S MANUAL".
- THE CONTRACTOR SHALL ADHERE TO COLUMBIA COUNTY, SRWMD, AND OTHER GOVERNING AUTHORITIES FOR EROSION AND SEDIMENT CONTROL REGULATIONS. IF THE CONTRACTOR NEEDS TO CHANGE THIS PLAN TO MORE EFFECTIVELY CONTROL EROSION AND SEDIMENTATION, THE CONTRACTOR SHALL USE BMP'S FROM THE "FLORIDA EROSION AND SEDIMENT CONTROL INSPECTOR'S MANUAL".
- THE CONTRACTOR SHALL ADJUST AND REVISE THIS PLAN TO MEET ACTUAL FIELD CONDITIONS. ANY REVISIONS SHALL BE APPROVED BY THE REVIEWING AGENCIES.
- SEDIMENT AND EROSION CONTROL FACILITIES, STORM DRAINAGE FACILITIES AND DETENTION BASINS SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.
- EROSION CONTROL MEASURES SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL AND REPLACED AS NECESSARY.
- SEDIMENT AND EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL CONSTRUCTION IS COMPLETE AND UNTIL A PERMANENT GROUND COVER HAS BEEN ESTABLISHED.
- ALL OPEN DRAINAGE SWALES SHALL BE GRASSED AND RIPRAP SHALL BE PLACED AS REQUIRED TO CONTROL EROSION.
- SILT FENCES SHALL BE LOCATED ON SITE TO PREVENT SEDIMENT AND EROSION FROM LEAVING PROJECT LIMITS.
- CONTRACTOR SHALL PLACE A DOUBLE ROW OF SILT FENCE IN AREAS WHERE RUNOFF FROM DISTURBED AREAS MAY ENTER WETLANDS.
- DURING CONSTRUCTION AND AFTER CONSTRUCTION IS COMPLETE, ALL STRUCTURES SHALL BE CLEANED OF ALL DEBRIS AND EXCESS SEDIMENT.
- ALL GRADED AREAS SHALL BE STABILIZED IMMEDIATELY WITH A TEMPORARY FAST-GROWING COVER AND/OR MULCH.
- A PAD OF RUBBLE RIP RAP SHALL BE PLACED AT THE BOTTOM OF ALL COLLECTION FLUMES AND COLLECTION PIPE OUTLETS. GRANITE OR LIMESTONE RIPRAP IS REQUIRED, NO BROKEN CONCRETE WILL BE ACCEPTED.
- ALL SIDE SLOPES STEEPER THAN 3:1 SHALL BE ADEQUATELY PROTECTED FROM EROSION THROUGH THE USE OF HAY BALES OR SODDING.
- ALL STABILIZATION PRACTICES SHALL BE INITIATED AS SOON AS PRACTICABLE IN AREAS OF THE JOB WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY STOPPED, BUT IN NO CASE SHALL THE DISTURBED AREA BE LEFT UNPROTECTED FOR MORE THAN SEVEN DAYS.
- ALL WASTE GENERATED ON THE PROJECT SHALL BE DISPOSED OF BY THE CONTRACTOR IN AREAS PROVIDED BY CONTRACTOR.
- LOADED HAUL TRUCKS SHALL BE COVERED WITH TARPS.
- EXCESS DIRT SHALL BE REMOVED DAILY.
- THIS PROJECT SHALL COMPLY WITH ALL WATER QUALITY STANDARDS. PERMIT REQUIRED FROM SRWMD HAS BEEN OBTAINED.
- QUALIFIED PERSONNEL SHALL INSPECT THE AREA USED FOR STORAGE OF STOCKPILES, THE SILT FENCE AND STRAW BALES, THE LOCATION WHERE VEHICLES ENTER OR EXIT THE SITE, AND THE DISTURBED AREAS THAT HAVE NOT BEEN FINALLY STABILIZED, AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM OF 0.25 INCHES OR GREATER.
- SITES THAT HAVE BEEN FINALLY STABILIZED WITH SOD OR GRASSING SHALL BE INSPECTED AT LEAST ONCE EVERY WEEK.



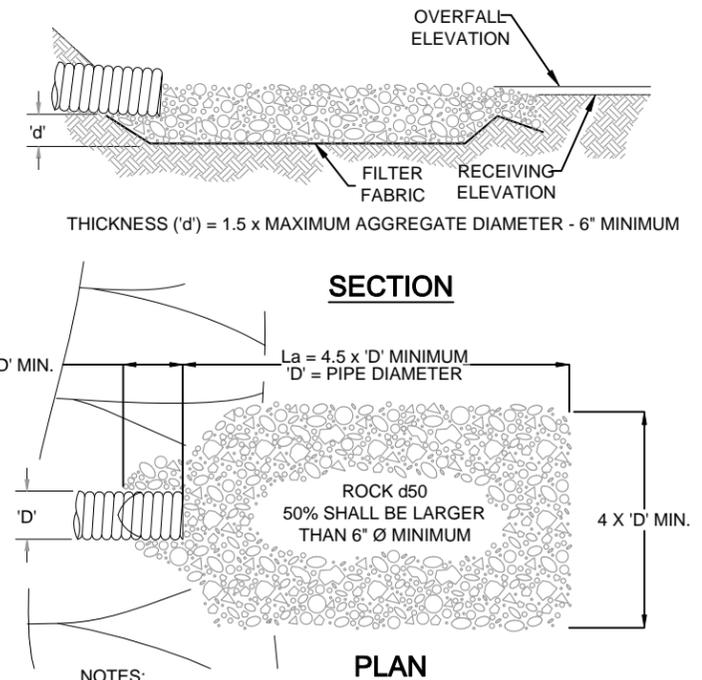
$D_1=5'$ STD. (SINGLE PANEL FOR DEPTHS 5' OR LESS).
 $D_2=5'$ STD. (ADDITIONAL PANEL FOR DEPTHS GREATER THAN 5').
 CURTAIN TO REACH BOTTOM UP TO DEPTHS OF 10 FEET. TWO(2) PANELS TO BE USED FOR DEPTHS GREATER THAN 10 FEET UNLESS SPECIAL DEPTH CURTAINS SPECIFICALLY CALLED FOR IN THE PLANS OR AS DETERMINED BY THE ENGINEER.

NOTICE: COMPONENTS OF TYPES I AND II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.

1 FLOATING TURBIDITY BARRIER SCALE: N.T.S.



2 TYPE IV SILT FENCE SCALE: N.T.S.



NOTES:
 1. 'La' = LENGTH OF APRON. DISTANCE 'La' SHALL BE OF SUFFICIENT LENGTH TO DISSIPATE ENERGY.
 2. APRON SHALL BE AT A ZERO GRADE AND ALIGNED STRAIGHT.
 3. FILTER FABRIC SHALL EXTEND 6" PAST AGGREGATE LIMITS

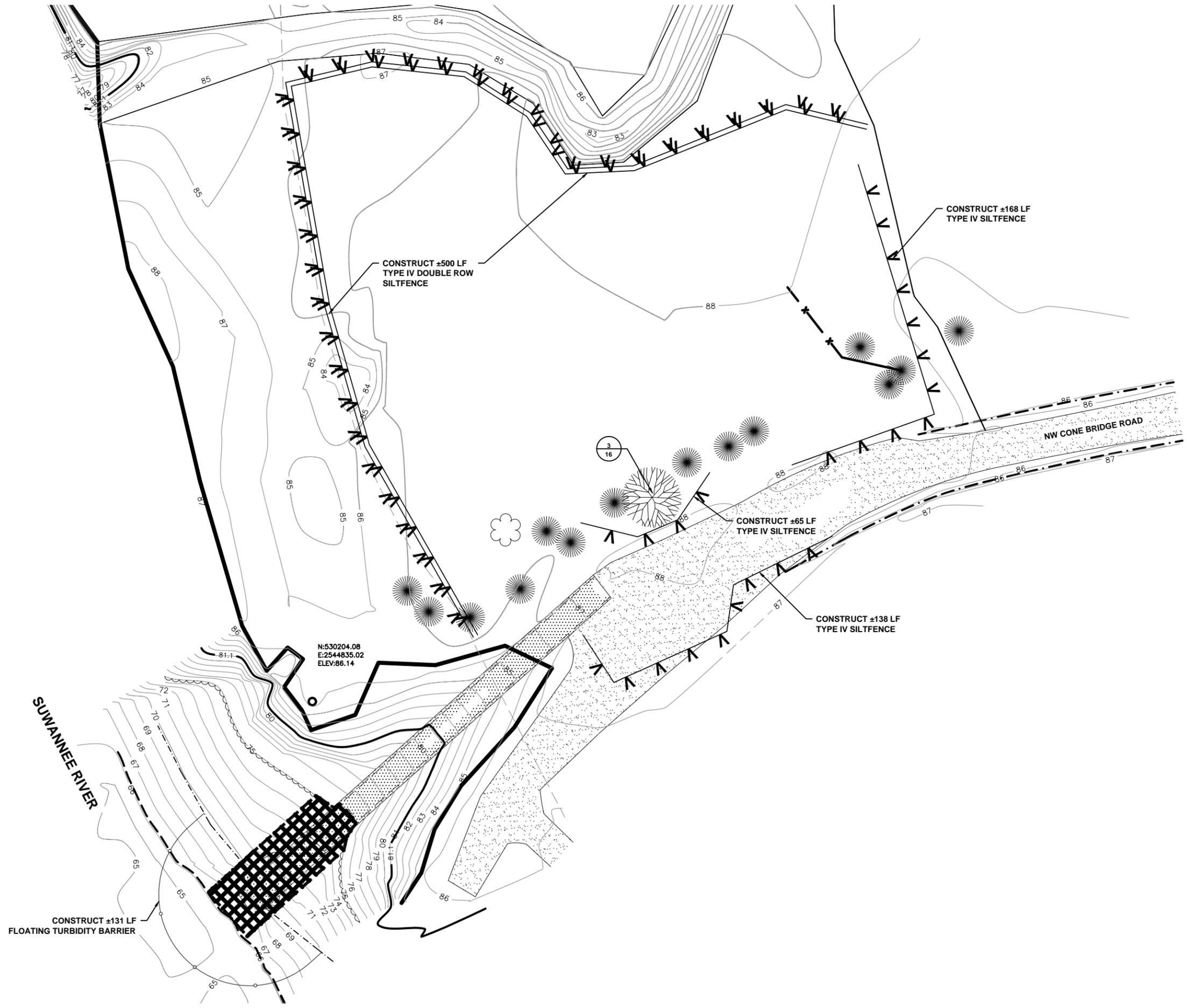
3 ENERGY DISSIPATER DETAIL SCALE: N.T.S.

North Florida Professional Services, Inc.
 P.O. BOX 3823
 Lake City, FL 32025
 Ph. 386-752-4675
 Fax. 386-752-4674
 Tallahassee, FL 32318
 Ph. 877-335-1525
 Eng. Lic. 29011

EROSION CONTROL NOTES & DETAILS
 CONE BRIDGE BOAT RAMP IMPROVEMENTS
 COLUMBIA COUNTY, FLORIDA

REVISIONS:
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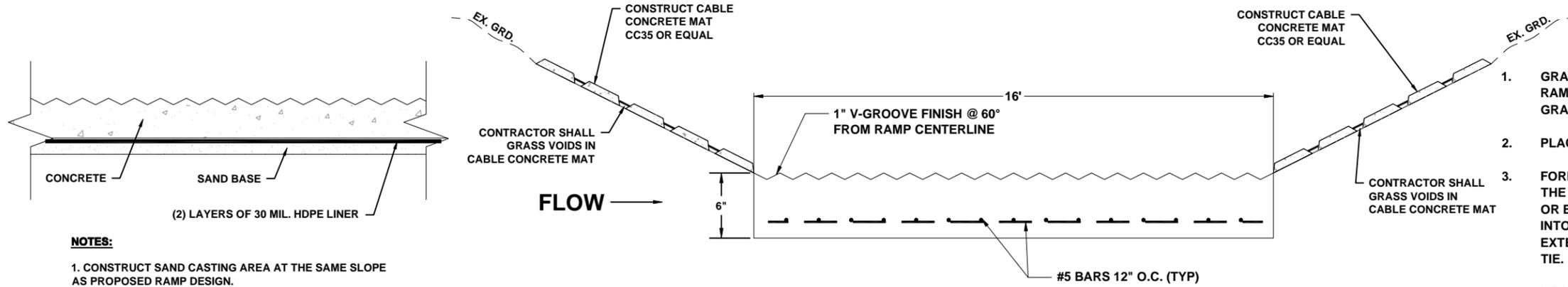
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		CM	GB

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EROSION CONTROL PLAN
CONE BRIDGE BOAT RAMP IMPROVEMENTS
COLUMBIA COUNTY, FLORIDA

North Florida Professional Services, Inc.
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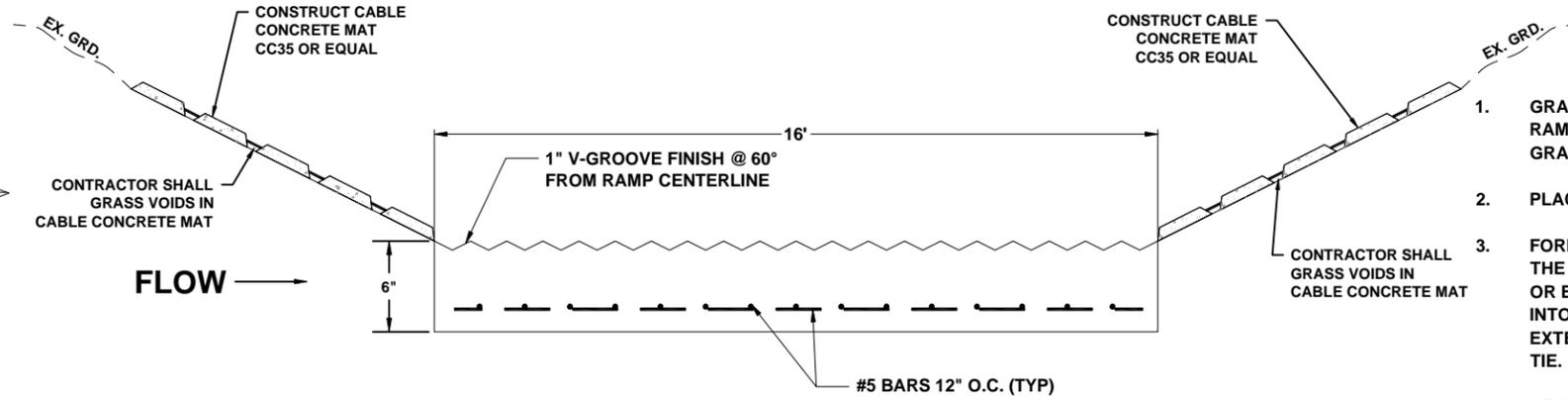




NOTES:

1. CONSTRUCT SAND CASTING AREA AT THE SAME SLOPE AS PROPOSED RAMP DESIGN.
2. PLACE 2 LAYERS OF 30 MIL. HDPE LINER OVER SAND CASTING AREA TO PROVIDE SMOOTH SURFACE TO PUSH SECTION INTO PLACE.

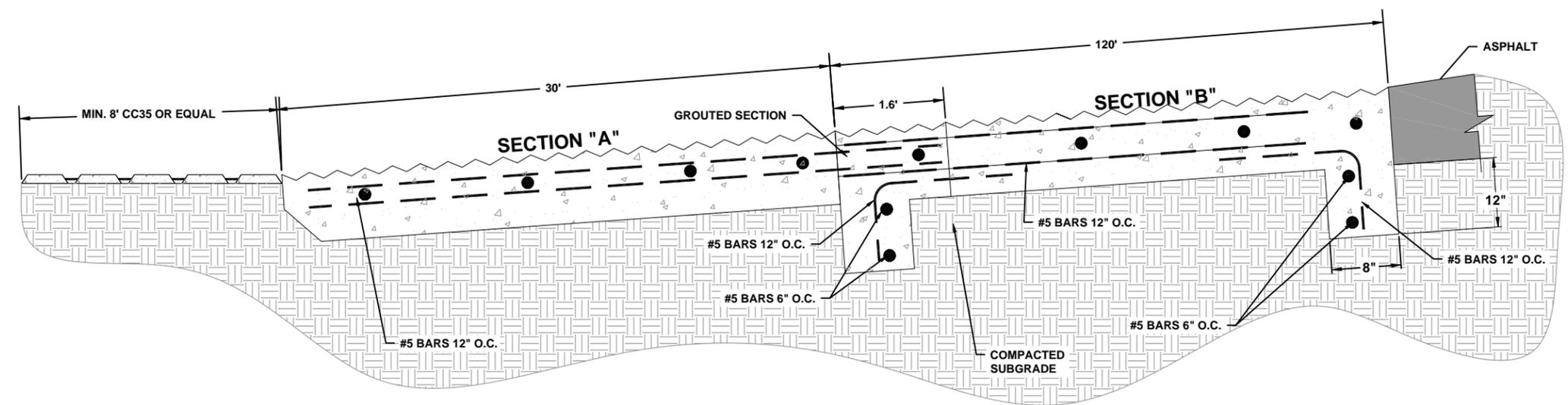
1 SAND CASTING AREA DETAIL
14 SCALE: N.T.S.



2 BOAT RAMP TYPICAL SECTION
14 SCALE: N.T.S.

CONSTRUCTION SEQUENCE

1. GRADE AREA WHERE RAMP IS TO BE CAST ON SAME GRADE AS RAMP IS DESIGNED. USE CLEAN SAND FOR TEMPORARY GRADING OF RAMP CASTING AREA.
2. PLACE 2 LAYERS OF 30 MIL HDPE OVER SAND CASTING AREA.
3. FORM SECTION "A" ON TOP OF HDPE. BEVEL THE BOTTOM OF THE WATERWARD EDGE TO EASE PUSHING INTO PLACE. HOOKS OR EYES MAY ALSO BE INSTALLED IN SIDES TO EASE PUSHING INTO PLACE. REBAR SHOULD BE SET SO THAT AT LEAST 3 FEET EXTENDS INTO NEXT SLAB TO PROVIDE A CONTINUOUS STEEL TIE.
4. GRADE UNDERWATER PORTION OF RAMP AS DESIGNED TO PROPER GRADE.
5. PROVIDE A STABLE BASE FOR UNDERWATER PORTION OF RAMP. SMALL STONE SHALL BE USED TO FILL SECTIONS. COMPACT UNDERWATER PORTION AS NECESSARY TO ACHIEVE SUITABLE DENSITY.
6. POUR 3,000 PSI CONCRETE TO FORM RAMP SECTION "A". THE TOP DRIVING SURFACE OF THE RAMP SHALL BE GROOVED USING THE TOOL SHOWN IN THE DETAILS OF THE PLAN SET. A GROOVE DETAIL IS ALSO PROVIDED.
7. UPON CURING AND NECESSARY TESTING OF RAMP, LIFT LANDWARD END SLIGHTLY AND PUSH INTO PLACE USING BACKHOE OR BULLDOZER, AS REQUIRED. TAKE CARE AS NOT TO EXCESSIVELY BEND THE REBAR PROTRUDING FROM SECTION "A".
8. REPEAT THE NECESSARY STEPS TO CONSTRUCT AND INSTALL THE PORTION OF THE RAMP WHICH IS LANDWARD OF THE WATERS EDGE. (SECTION "B")
9. TIE THE TWO SLABS BY GROUTING IN THE 3 FOOT PORTION OF REBAR IN THE WATERWARD HALF TO THE LANDWARD HALF OF THE SLABS.



3 BOAT RAMP SECTION
14 SCALE: N.T.S.

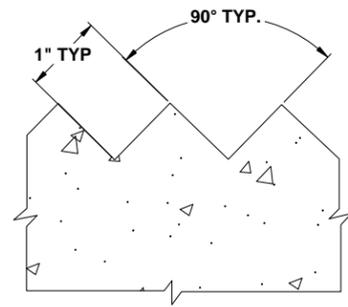
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P.O. BOX 3823
Tallahassee, FL 32318
Lake City, FL 32025
Ph. 877-335-1525
Ph. 877-335-1525
Fax. 386-752-4674
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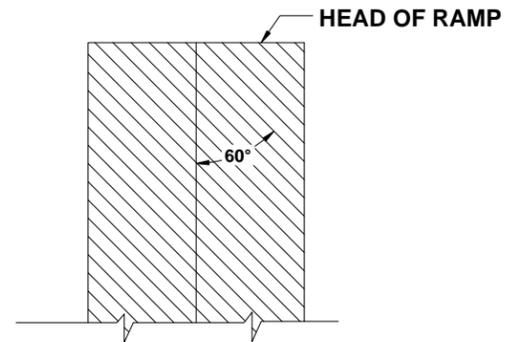
BOAT RAMP DETAILS
CONE BRIDGE BOAT RAMP IMPROVEMENTS
COLUMBIA COUNTY, FLORIDA

REVISIONS:

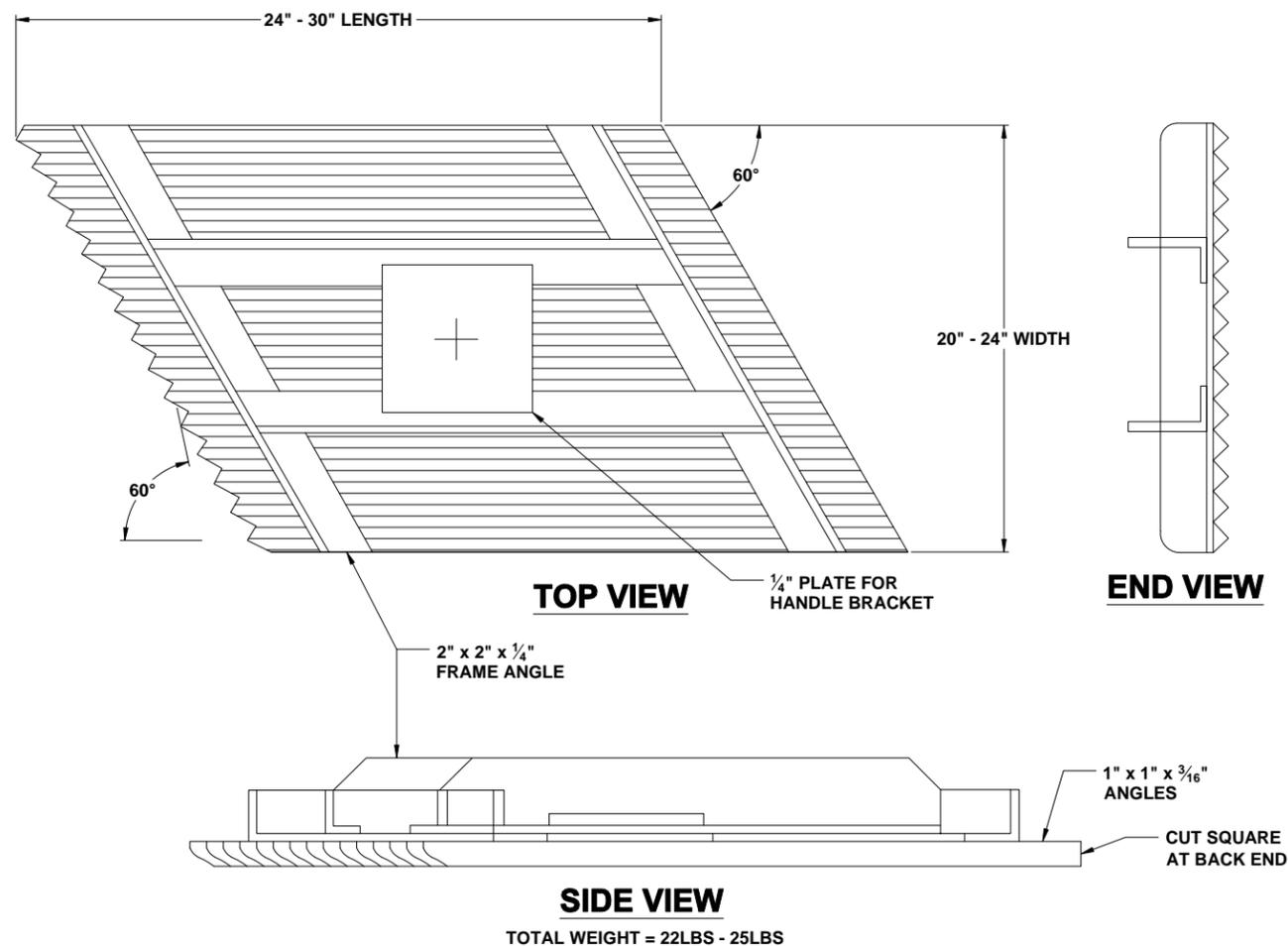
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SHEET NO.:	14



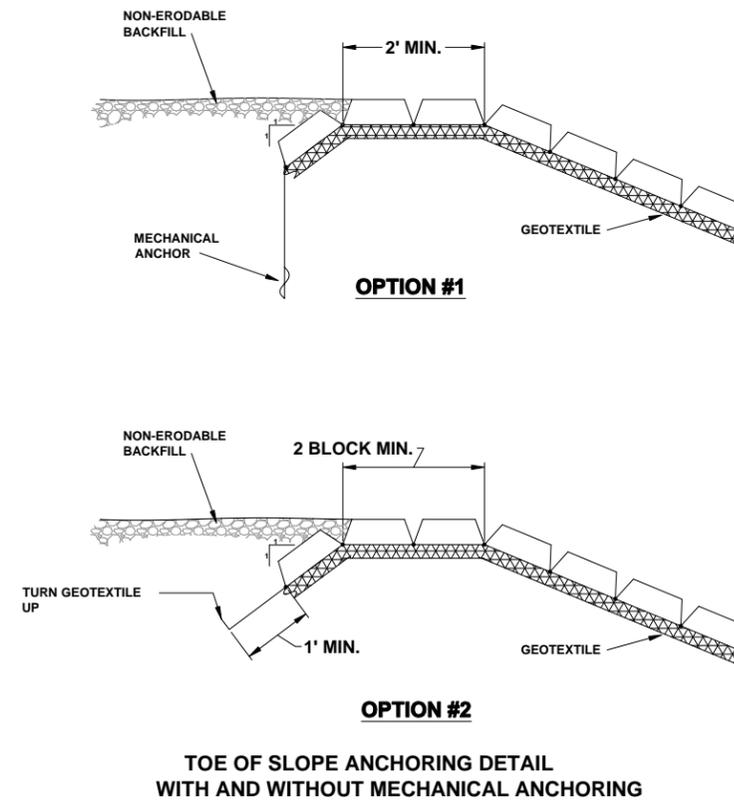
1 V-GROOVE DETAIL
15 SCALE: N.T.S.



2 V-GROOVE ALIGNMENT DETAIL
15 SCALE: N.T.S.



3 V-GROOVE FINISH TOOL DETAIL
15 SCALE: N.T.S.



4 ARTICULATING CONCRETE BLOCK DETAIL
15 SCALE: N.T.S.

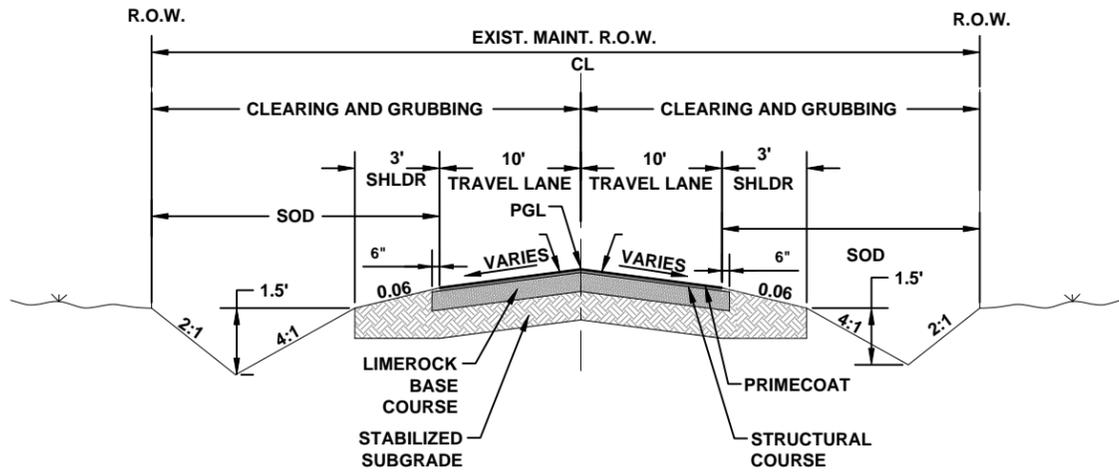
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Date Created: February 21, 2014 Date Last Saved: February 21, 2014 Date Plotted: February 21, 2014

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P.O. BOX 3823
Lake City, FL 32025
Ph. 386-752-4675
Fax. 386-752-4674
Tallahassee, FL 32318
Ph. 877-335-1525
Eng. Lic. 29011

DOAT RAMP DETAILS
CONE BRIDGE BOAT RAMP IMPROVEMENTS
COLUMBIA COUNTY, FLORIDA

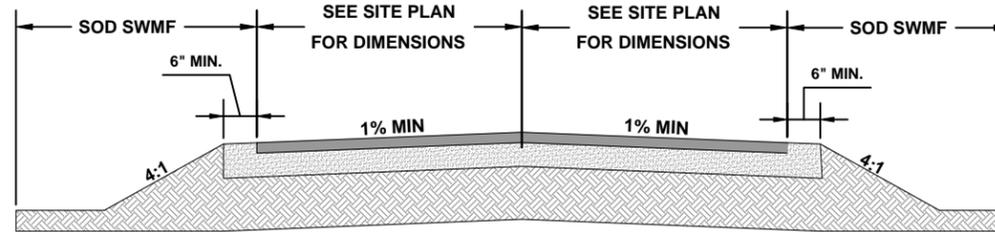
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SHEET NO.:	15



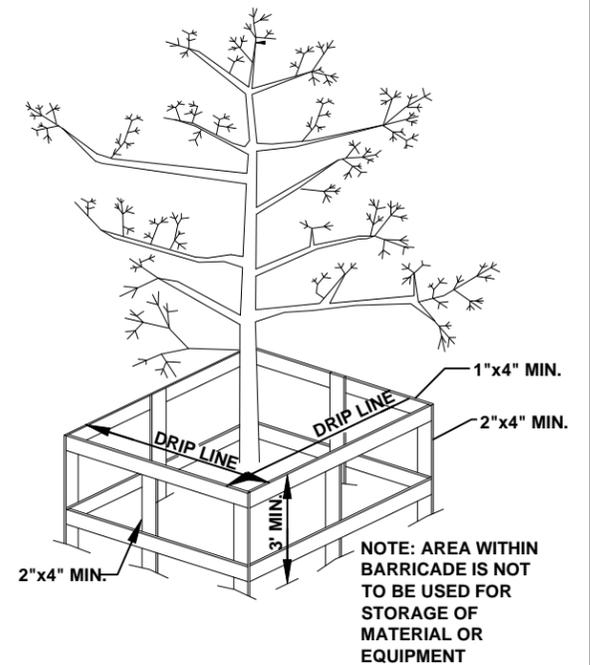
ROADWAY DESIGN REQUIREMENTS
 1.5" TYPE SP12.5 ASPHALTIC CONCRETE
 0.1 GAL./S.Y. PRIME COAT
 6" LIMEROCK BASE COURSE
 12" STABILIZED SUBGRADE
 MINIMUM L.B.R. 40
 DESIGN SPEED = 5 M.P.H.

1 CONE BRIDGE ROAD TYPICAL SECTION
 16 SCALE: N.T.S.

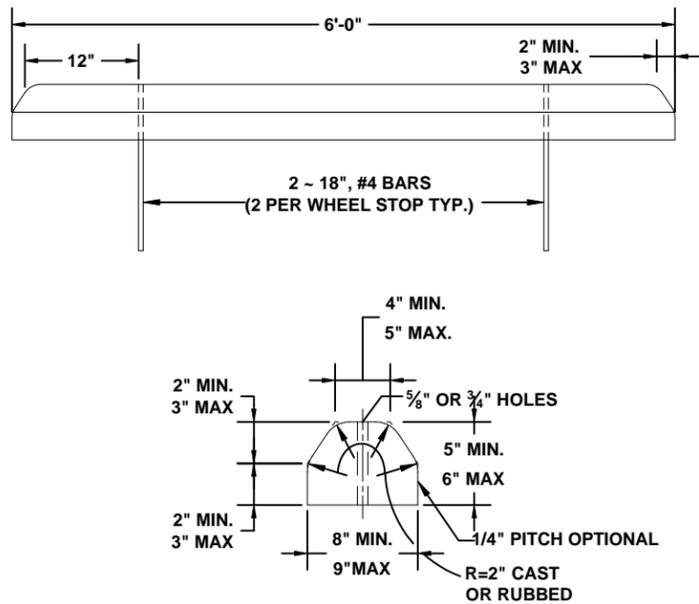


ROADWAY DESIGN REQUIREMENTS
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 0.1 GAL./S.Y. PRIME COAT
 6" LIMEROCK BASE COURSE
 12" STABILIZED SUBGRADE
 MINIMUM L.B.R. 40
 DESIGN SPEED = 5 M.P.H.

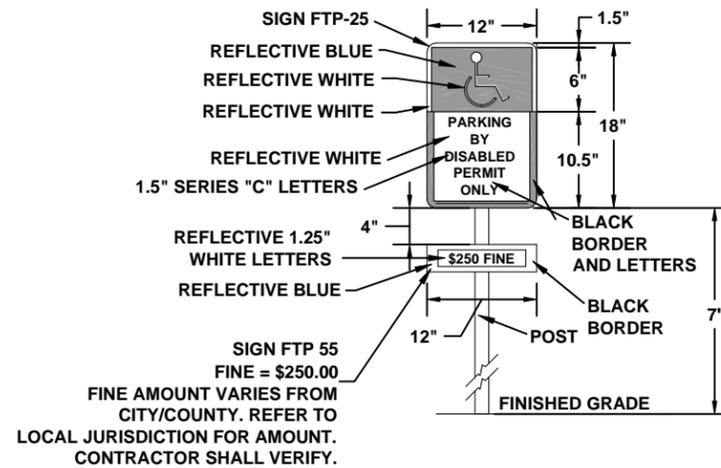
2 PARKING LOT TYPICAL SECTION
 16 SCALE: N.T.S.



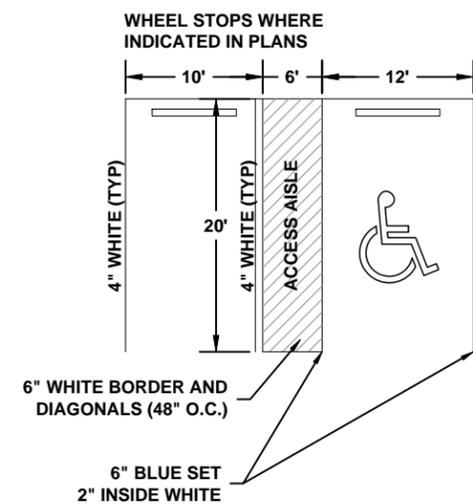
3 TREE BARRICADE DETAIL
 16 SCALE: N.T.S.



4 WHEEL STOP DETAIL
 16 SCALE: N.T.S.



5 HANDICAP PARKING SIGN DETAIL
 16 SCALE: N.T.S.



6 HANDICAP PARKING STALL DETAIL
 16 SCALE: N.T.S.

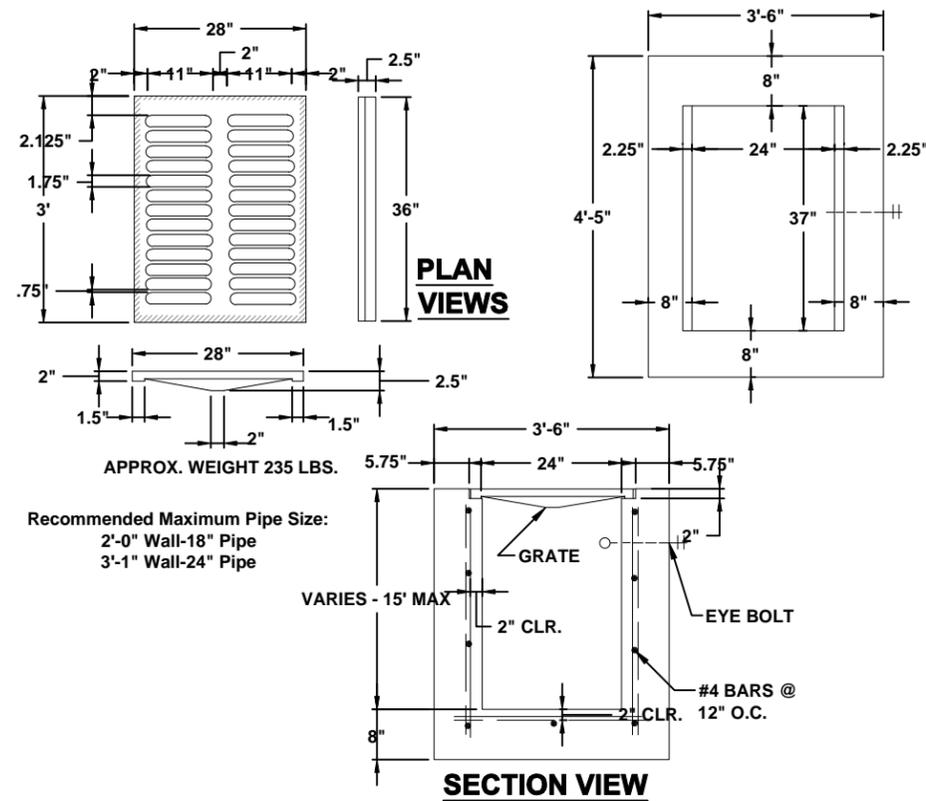
- SIGN SHALL BE PLACED IN FRONT OF ALL DESIGNATED HANDICAPPED SPACES. SIGN HEIGHT SHALL BE 7' FROM PAVEMENT TO BOTTOM OF SIGN.
- 5' HANDICAPPED AISLE MAY BE PLACED ON THE RIGHT OR LEFT SIDE OF PARKING STALL.
- HANDICAPPED PARKING SYMBOL SHALL BE 3 OR 5 FT. HIGH.
- BLUE PAVEMENT MARKINGS SHALL BE TINTED TO MATCH SHADE 15180 OF FEDERAL STANDARDS 595A.

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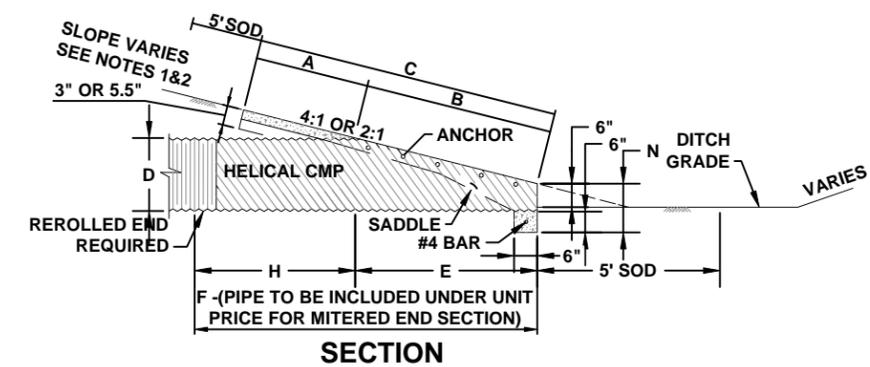
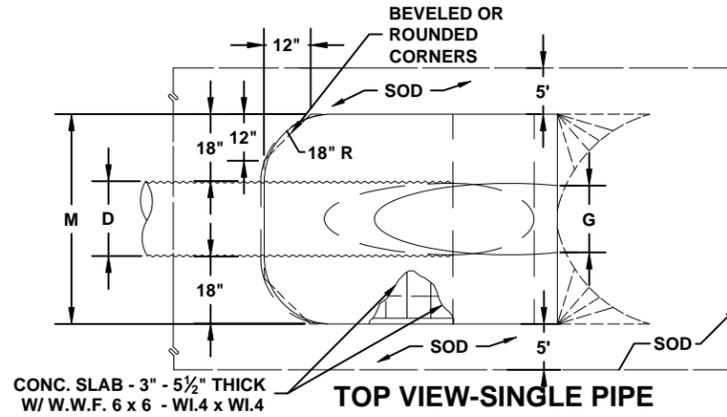
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 P.O. BOX 3823
 Lake City, FL 32025
 Ph. 877-335-1525
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MISC. DETAILS
 CONE BRIDGE BOAT RAMP IMPROVEMENTS
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1 DITCH BOTTOM INLET - TYPE "C"
17 SCALE: N.T.S.

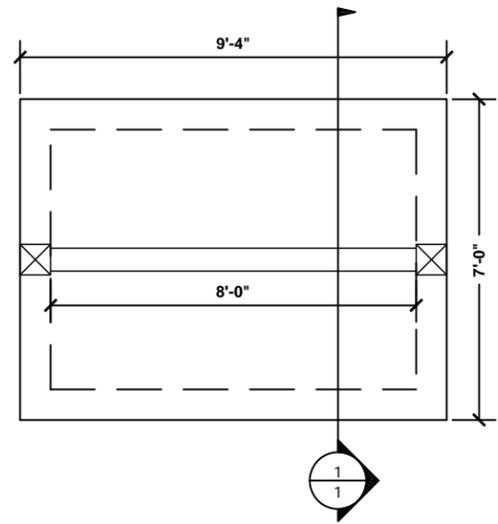


*SLOPE:
 4:1 MITER: TO | PIPE FOR PIPES 18" AND SMALLER. 2:1 FOR PIPES 24" AND LARGER.
 2:1 MITER: TO | PIPE FOR PIPES 18" AND SMALLER.
 1:1 FOR PIPES 24" AND LARGER.

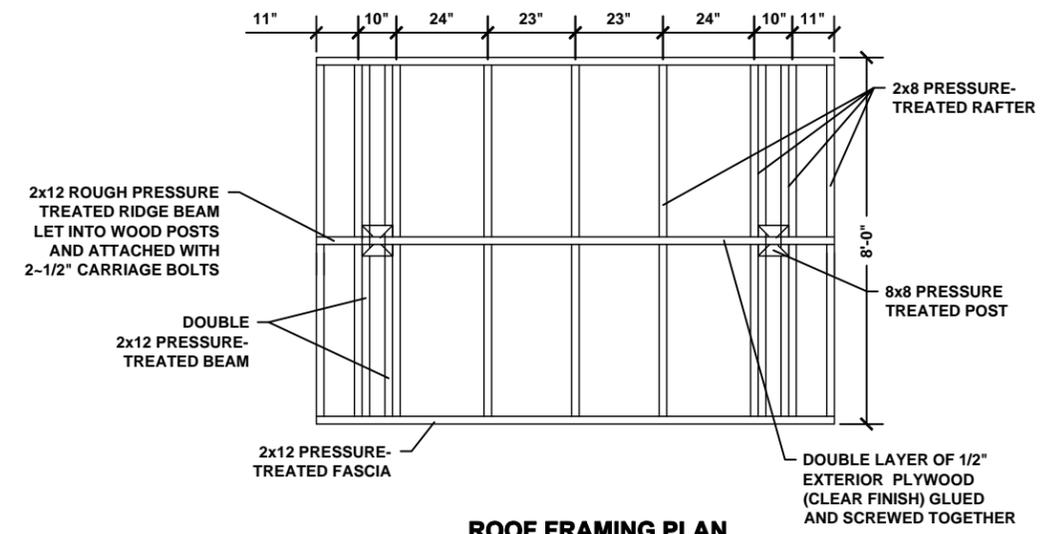
DIMENSIONS AND QUANTITIES

	D	A	B	C	D	X	E	F	G	H	M				N	5 1/2" CONCRETE SLAB (CY)				SODDING (SQ. YDS.)			
											SINGLE PIPE	DOUBLE PIPE	TRIPLE PIPE	QUAD PIPE		SINGLE PIPE	DOUBLE PIPE	TRIPLE PIPE	QUAD PIPE	SINGLE PIPE	DOUBLE PIPE	TRIPLE PIPE	QUAD PIPE
4:1 SLOPE	1'-3"	2.5'	3.09'	5.59'	3'-0"	2'-7"	7'-0"	5'-0"	1.23	3.5'	4.33'	6.92'	9.50'	12.08'	1.04'	0.44	0.68	0.91	1.15	22	25	28	31
	1'-6"	2.5'	4.12'	6.62'	4'-0"	2'-10"	8'-0"	6'-0"	1.41'	4.0'	4.58'	7.42'	10.25'	13.08'	1.04'	0.49	0.77	1.03	1.31	24	27	30	33
	2'-0"	2.5'	6.18'	8.68'	6'-0"	3'-5"	10'-0"	7'-0"	1.73'	4.0'	5.08'	8.50'	11.92'	15.33'	1.04'	0.65	1.09	1.38	1.77	27	30	34	38
	2'-6"	2.5'	8.25'	10.75'	8'-0"	4'-3"	12'-0"	8'-0"	2.00'	4.0'	5.58'	9.83'	14.08'	18.33'	1.04'	0.81	1.34	1.9	2.44	29	34	39	44
	3'-0"	2.5'	10.31'	12.81'	10'-0"	5'-1"	14'-0"	9'-0"	2.24'	4.0'	6.08'	11.17'	16.25'	21.33'	1.04'	0.97	1.68	2.41	3.14	32	38	44	49
	3'-6"	2.5'	12.37'	14.87'	12'-0"	6'-0"	16'-0"	10'-0"	2.45'	4.0'	6.58'	12.58'	18.58'	24.58'	1.04'	1.13	2.08	3.06	4.02	35	42	48	55
	4'-0"	2.5'	14.43'	16.93'	14'-0"	6'-9"	18'-0"	11'-0"	2.65'	4.0'	7.08'	13.83'	20.58'	27.33'	1.04'	1.29	2.49	3.69	4.88	38	46	53	60
	4'-6"	2.5'	16.49'	18.99'	16'-0"	7'-8"	20'-0"	12'-0"	2.83'	4.0'	7.58'	15.25'	22.92'	30.58'	1.04'	1.48	2.98	4.47	5.98	41	49	58	66
5'-0"	2.5'	18.55'	21.05'	18'-0"	8'-6"	22'-0"	13'-0"	3.00'	4.0'	8.08'	16.58'	25.08'	33.58'	1.04'	1.66	3.49	5.31	7.13	44	53	63	72	

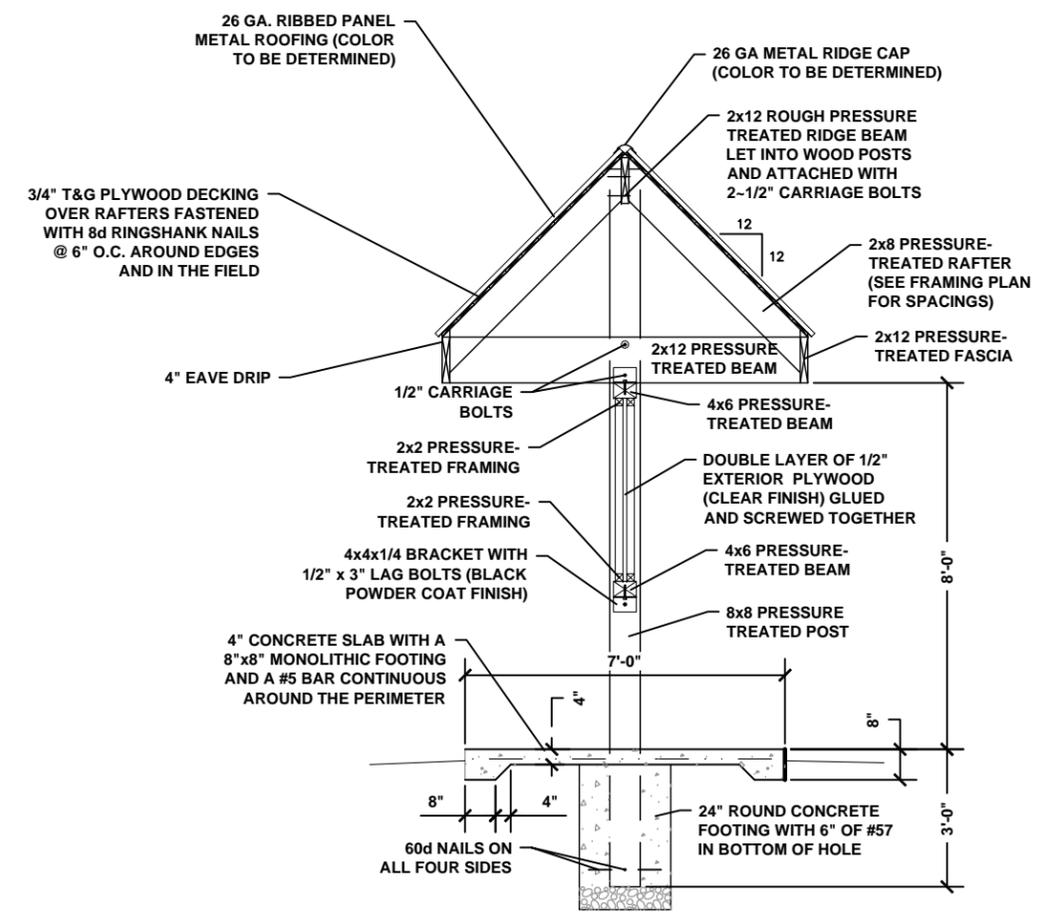
2 MITERED END SECTION
17 SCALE: N.T.S.



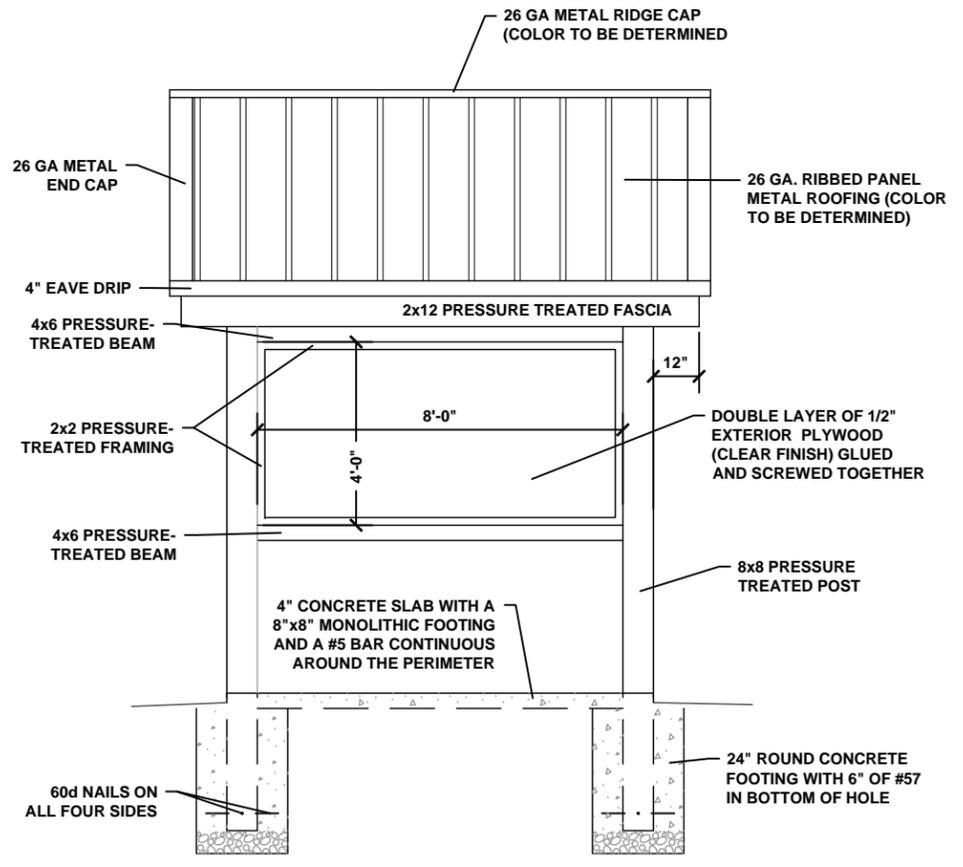
FOUNDATION PLAN



ROOF FRAMING PLAN



BUILDING SECTION



SIDE ELEVATION

1 BOAT RAMP KIOSK
18 SCALE: N.T.S.

File Location: X:\2011\110101CCB\Planning & Design\CADD\Educational Kiosk \KIOSK
 Date Created: November 7, 2013
 Date Last Saved: November 13, 2012
 Date Plotted: February 24, 2014

North Florida Professional Services, Inc.
 P.O. BOX 3823
 Tallahassee, FL 32318
 Lake City, FL 32025
 Ph. 877-335-1525
 Ph. 386-752-4675
 Fax. 386-752-4674
 Eng. Lic. 29011



EDUCATIONAL KIOSK
CONE BRIDGE BOAT RAMP IMPROVEMENTS
COLUMBIA COUNTY, FLORIDA

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CHECKED BY:	GB
DATE:	10/2011
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