

CONSTRUCTION PLANS OF
MYAKKA STATE FOREST

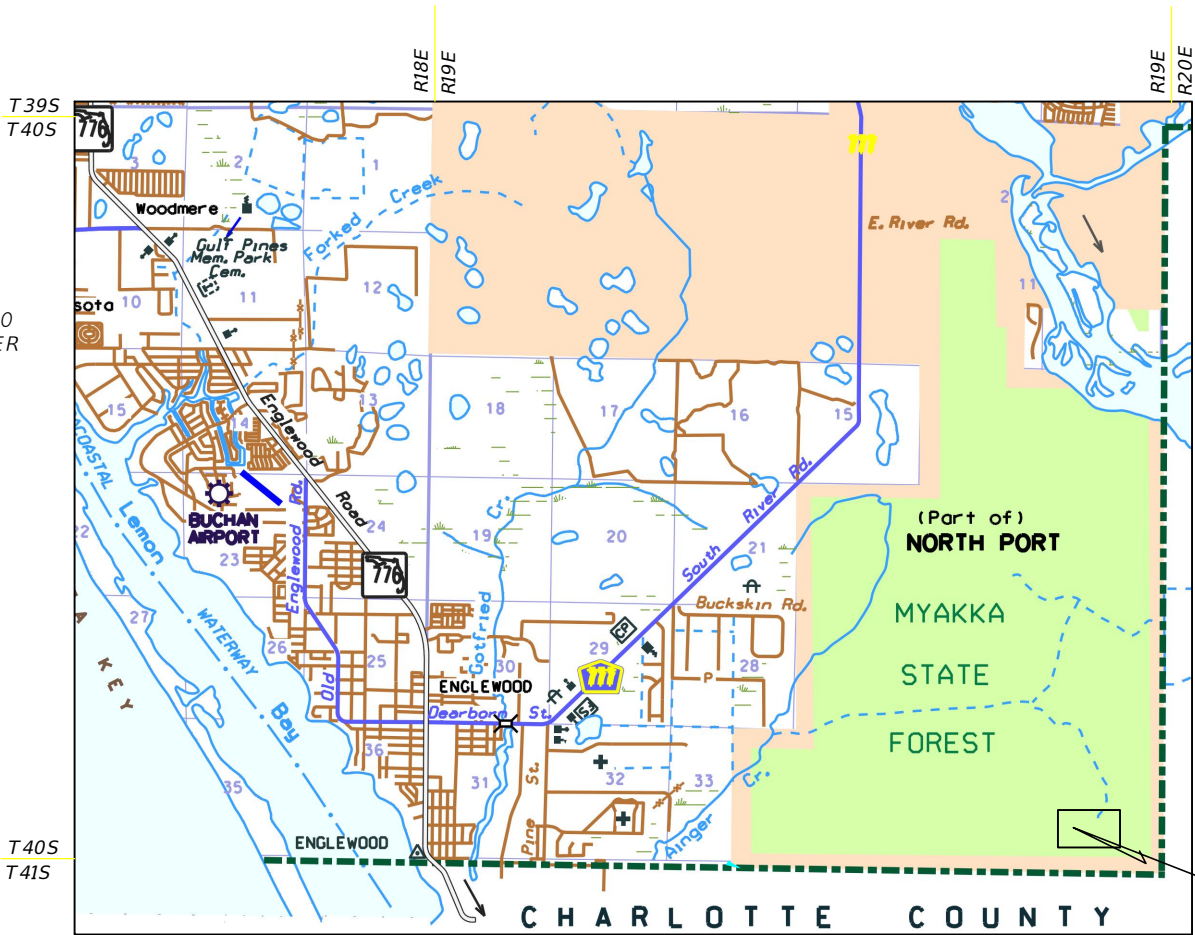
WATER QUALITY AND BANK STABILIZATION PROJECT

SECTION 36, TOWNSHIP 40S, RANGE 20E
CITY OF NORTH PORT
SARASOTA COUNTY, FLORIDA

SHEET INDEX

NO.	DESCRIPTION
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15	PROJECT AERIAL

UTILITY COMPANY	OWNER	TELEPHONE	
CABLE TV:	COMCAST	941.342.3578	GONZALO ROJAS
ELECTRIC:	FP&L DISTRIBUTION	941.723.4430	GREG COKER
	FP&L TRANSMISSION	561.694.3459	PETER WASHIO
TELEPHONE:	CENTURY LINK	863.452.3185	KEN LUTZ
WASTEWATER	BY OWNER		
WATER	CHARLOTTE COUNTY	941.764.4364	ALEX CEGERENKO
	CITY OF NORTH PORT	941.240.8000	PATRICK ZOELLER
GAS	TECO GAS	813.275.3731	FRANK KISTNER
UNDERGROUND FACIILITY LOCATION SERVICE (THE SUNSHINE STATE)		1.800.432.4770	



LOCATION MAP
NOT TO SCALE

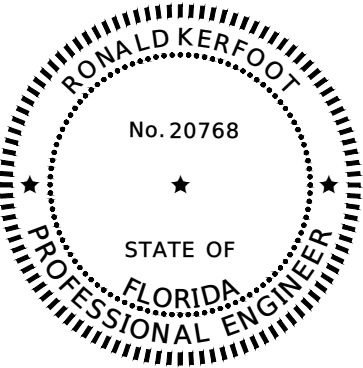
PREPARED FOR:
SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
2379 BROAD STREET BROOKSVILLE, FL 34604 (352) 796-721 EXT. 4307

PREPARED BY:
AIM ENGINEERING & SURVEYING, INC.



2161 FOWLER STREET
FORT MYERS, FLORIDA 33901
PHONE (239) 332-4569

CERTIFICATE OF AUTHORIZATION NO. 3114



THIS ITEM HAS BEEN DIGITALLY SIGNED
AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL
PRINTED COPIES OF THIS DOCUMENT
ARE NOT CONSIDERED SIGNED AND
SEALED AND THE SIGNATURE MUST BE
VERIFIED ON ANY ELECTRONIC COPIES.

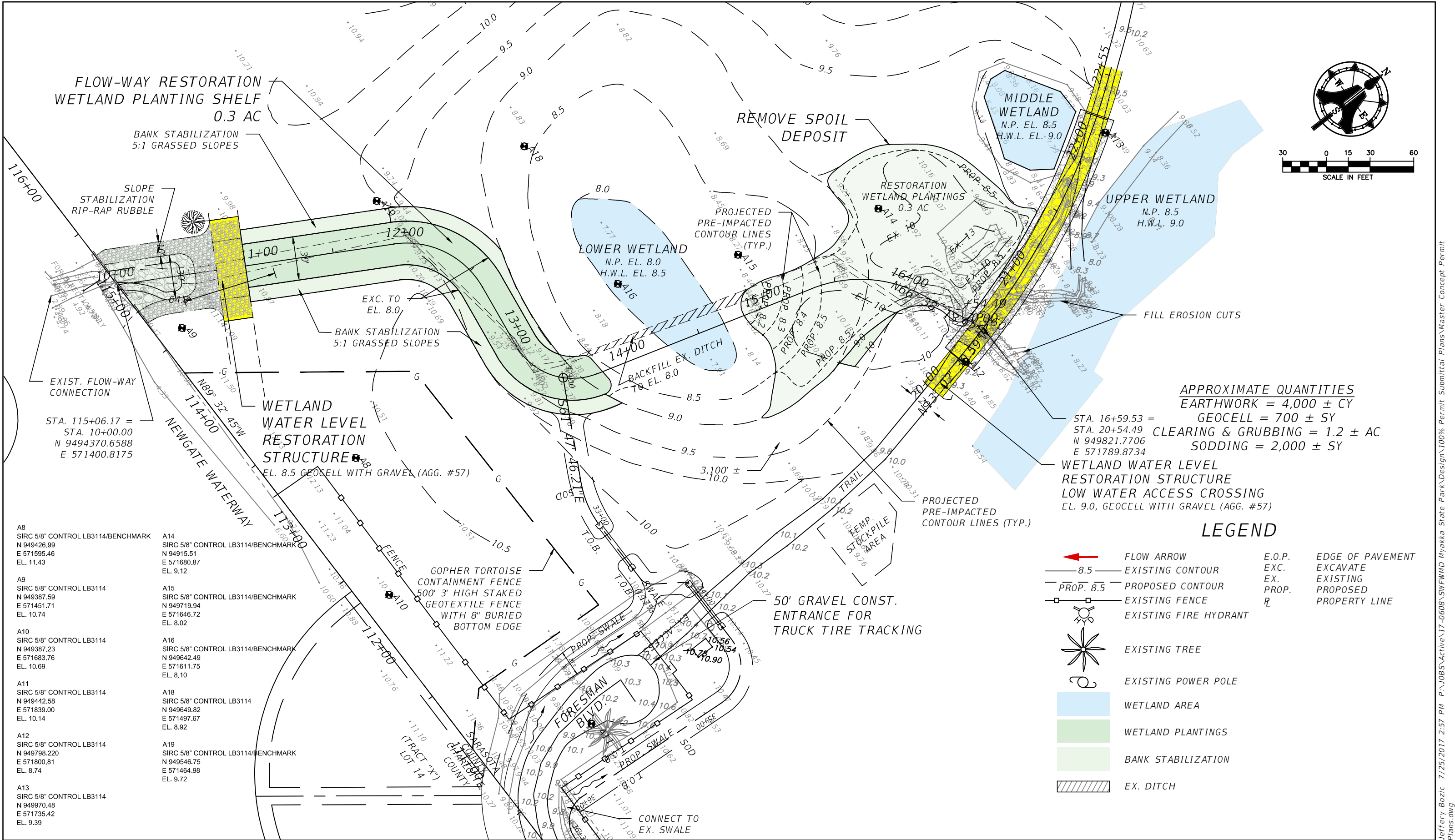
TWA NO. 17TW0000813
AGREEMENT
NO. 14MA0000003 (SA 25)

AIM PROJ. 17-0608

RONALD KERFOOT P.E. 20768
ENGINEER OF RECORD

SHEET 01
OCTOBER 14, 2020

NOTE: THE SCALE OF THESE PLANS MAY
HAVE CHANGED DUE TO REPRODUCTION



APPROXIMATE QUANTITIES
EARTHWORK = 4,000 ± CY
GEOCELL = 700 ± SY
CLEARING & GRUBBING = 1.2 ± AC
SODDING = 2,000 ± SY

WETLAND WATER LEVEL
RESTORATION STRUCTURE
LOW WATER ACCESS CROSSING
EL. 9.0, GEOCELL WITH GRAVEL (AGG. #57)

LEGEND

- FLOW ARROW
- 8.5 EXISTING CONTOUR
- PROP. 8.5 PROPOSED CONTOUR
- EXISTING FENCE
- EXISTING FIRE HYDRANT
- EXISTING TREE
- EXISTING POWER POLE
- WETLAND AREA
- WETLAND PLANTINGS
- BANK STABILIZATION
- EX. DITCH
- E.O.P. EDGE OF PAVEMENT
- EXC. EXCAVATE
- EX. EXISTING
- PROP. PROPOSED
- PROPERTY LINE

A8 SIRC 5/8" CONTROL LB3114/BENCHMARK N 949426.99 E 571595.46 EL. 11.43	A14 SIRC 5/8" CONTROL LB3114/BENCHMARK N 94915.51 E 571680.87 EL. 9.12
A9 SIRC 5/8" CONTROL LB3114 N 949387.59 E 571451.71 EL. 10.74	A15 SIRC 5/8" CONTROL LB3114/BENCHMARK N 949719.94 E 571646.72 EL. 8.02
A10 SIRC 5/8" CONTROL LB3114 N 949387.23 E 571683.76 EL. 10.69	A16 SIRC 5/8" CONTROL LB3114/BENCHMARK N 949642.49 E 571611.75 EL. 8.10
A11 SIRC 5/8" CONTROL LB3114 N 949442.58 E 571839.00 EL. 10.14	A18 SIRC 5/8" CONTROL LB3114 N 949649.82 E 571497.67 EL. 8.92
A12 SIRC 5/8" CONTROL LB3114 N 949798.220 E 571800.81 EL. 8.74	A19 SIRC 5/8" CONTROL LB3114/BENCHMARK N 949546.75 E 571464.98 EL. 9.72
A13 SIRC 5/8" CONTROL LB3114 N 949970.48 E 571735.42 EL. 9.39	

NO	DATE	DESCRIPTION
4	10-14-20	UPDATES FOR CONSTRUCTION
3	4-23-19	100% PLANS
2	4-11-18	REV. SWFWMD COMMENTS
1	1-12-18	REV. SWFWMD COMMENTS



AIM Engineering & Surveying, Inc.
CIVIL ENGINEERING * LAND SURVEYING * S.U.E. * TRANSPORTATION * UTILITIES
* PROJECT MANAGEMENT * CONSTRUCTION ENGINEERING & MANAGEMENT
2161 FOWLER ST. FORT MYERS, FL. 33901 * E-Mail: engineering@aimengr.com
PHONE: 239-332-4569 * CERTIFICATION OF AUTHORIZATION No. 3114

**SOUTHWEST FLORIDA WATER
MANAGEMENT DISTRICT**
2379 BROAD STREET, BROOKSVILLE, FLORIDA
PHONE: (352) 796-7211 EXT. 4307

SCALE: AS-NOTED
DATE: SEP. 22, 2017
JES/RK

**MYAKKA STATE FOREST
WATER QUALITY AND BANK
STABILIZATION PROJECT**

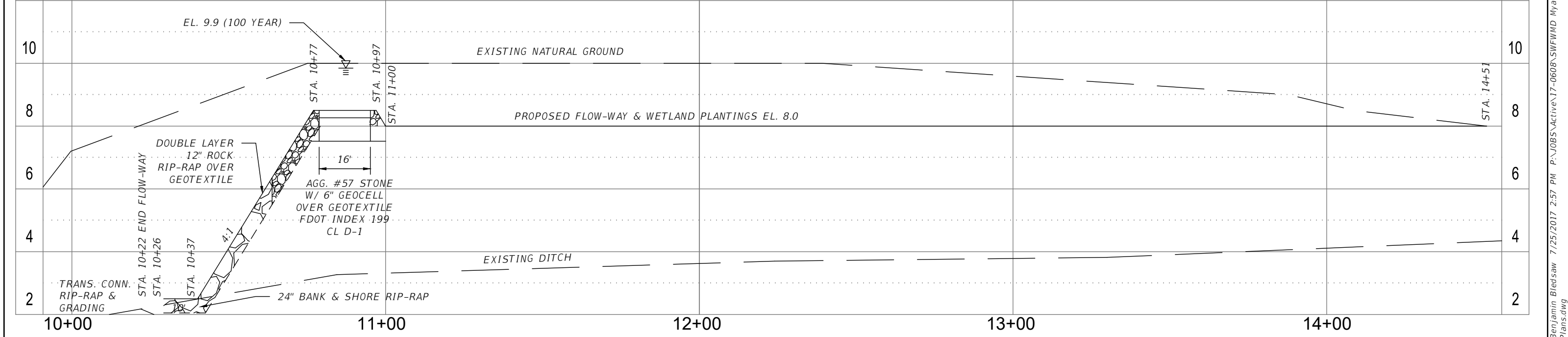
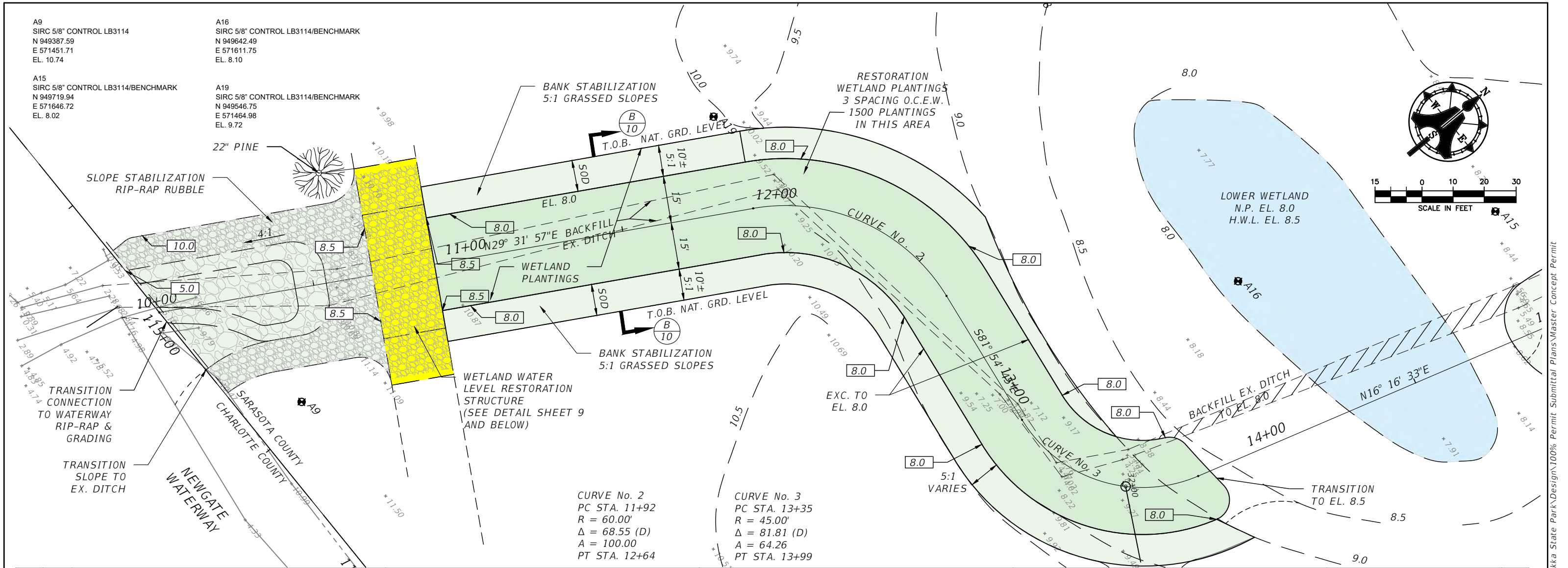
MASTER PLAN

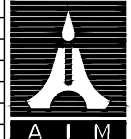
DRAWINGS ARE NOT APPROVED
UNLESS SIGNED & SEALED:

RONALD KERFOOT, P.E.
P.E. LICENSE NUMBER 20768

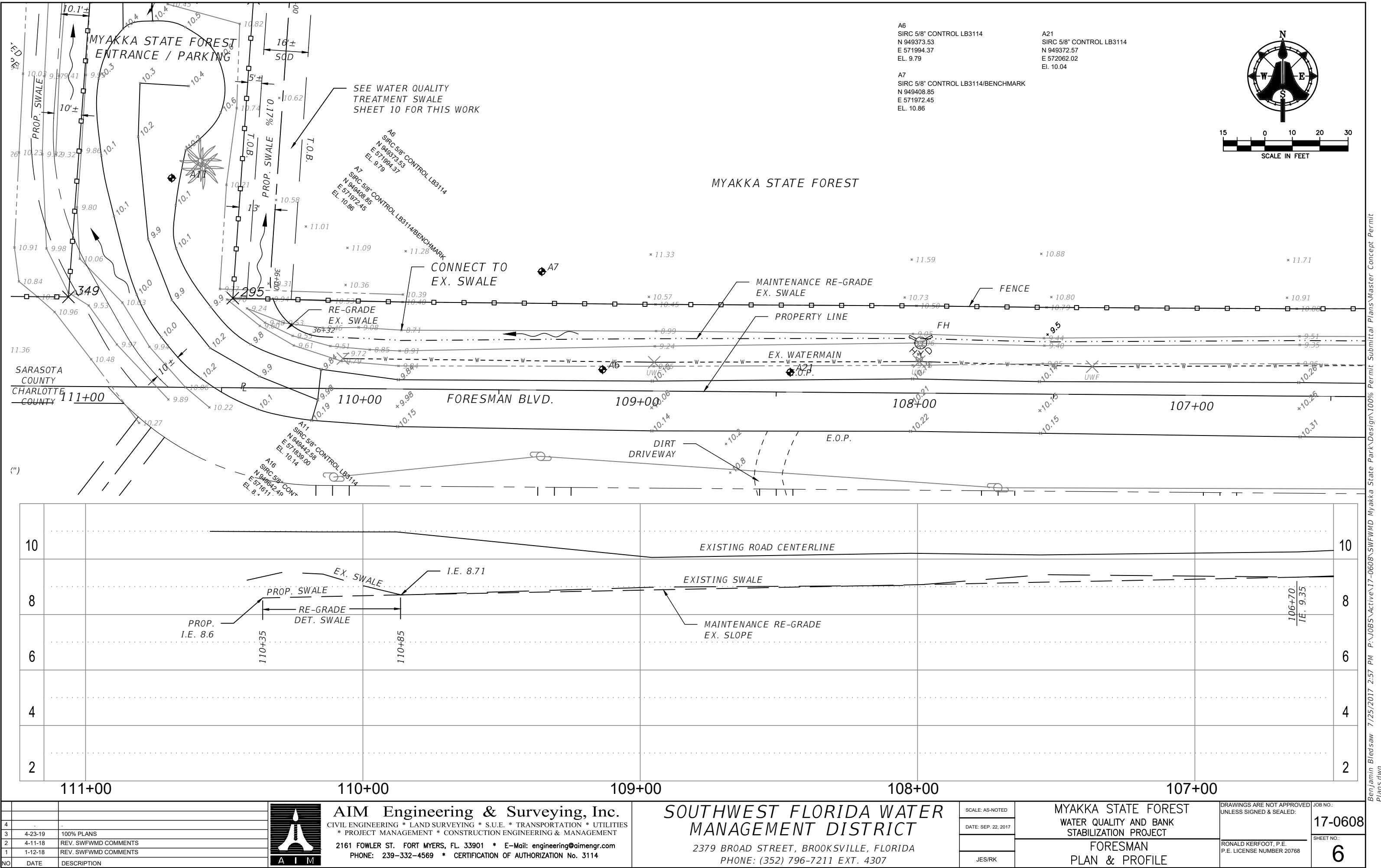
JOB NO.:
17-0608

SHEET NO.:
2

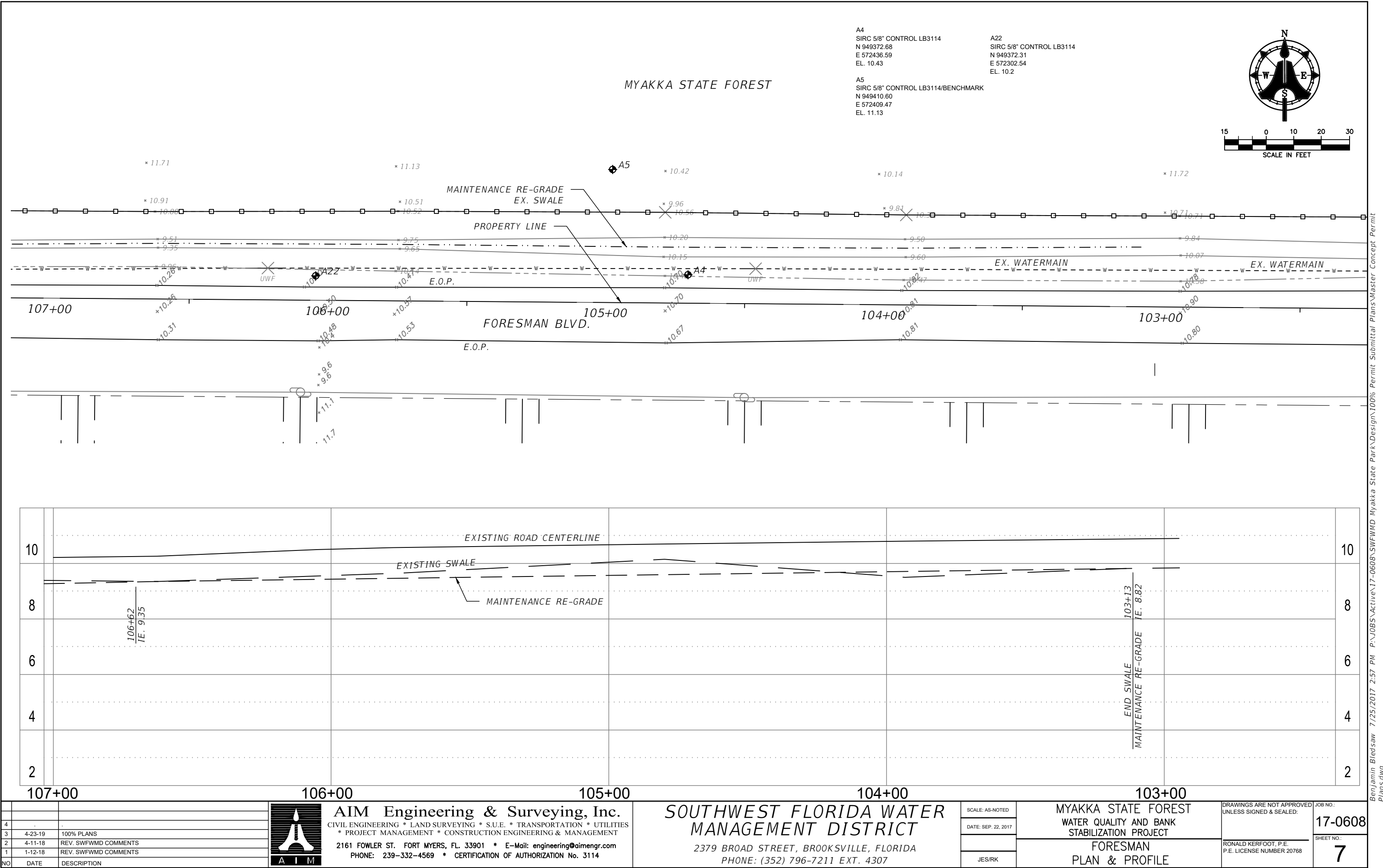


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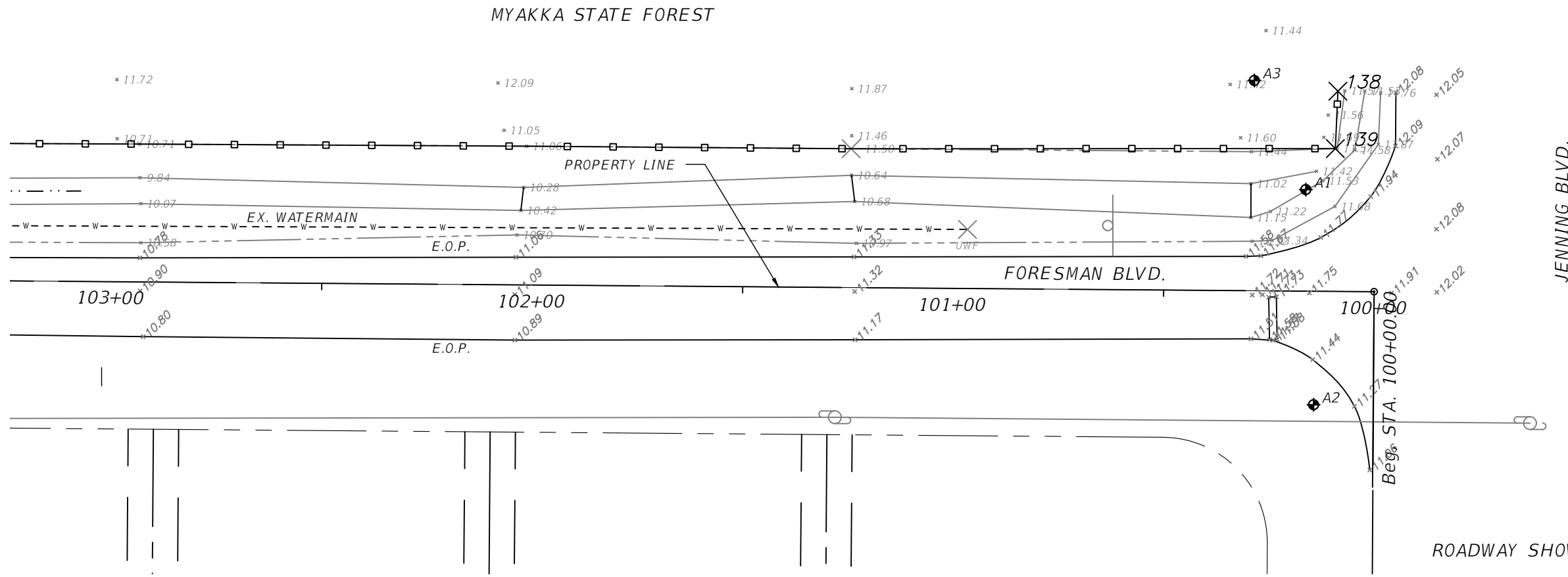
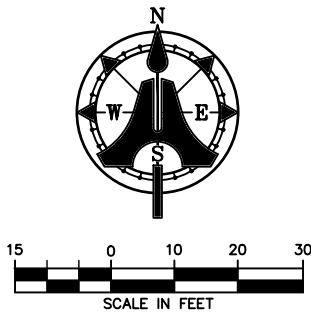
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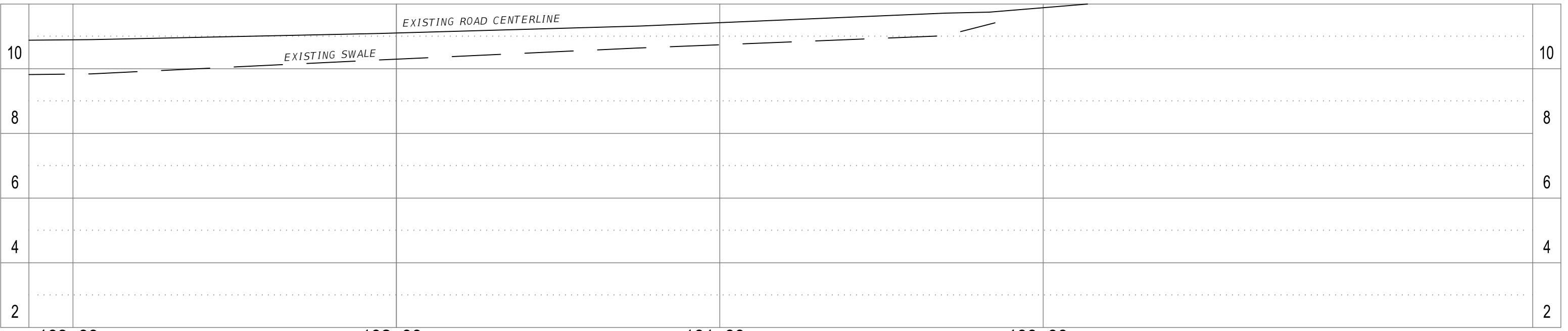
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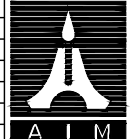


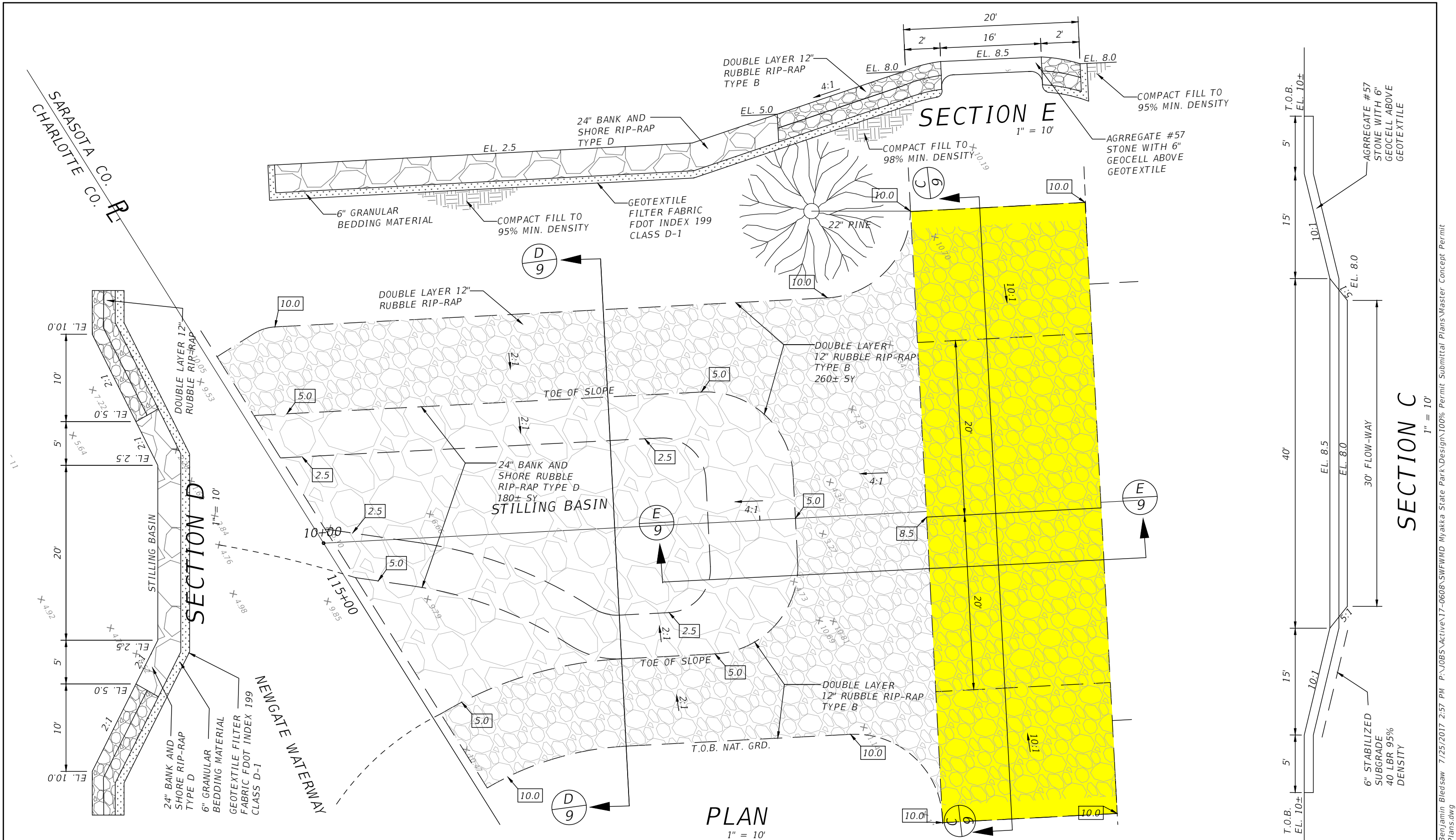
JENNING BLVD.

- A1
SIRC 5/8" CONTROL LB3114
N 949382.98
E 572890.73
EL. 11.37
- A2
SIRC 5/8" CONTROL LB3114
N 949331.84
E 572892.58
EL. 11.080
- A3
SIRC 5/8" CONTROL LB3114/BENCHMARK
N 949408.92
E 572878.51
EL. 11.12

ROADWAY SHOWN FOR REFERENCE ONLY. NO WORK PROPOSED

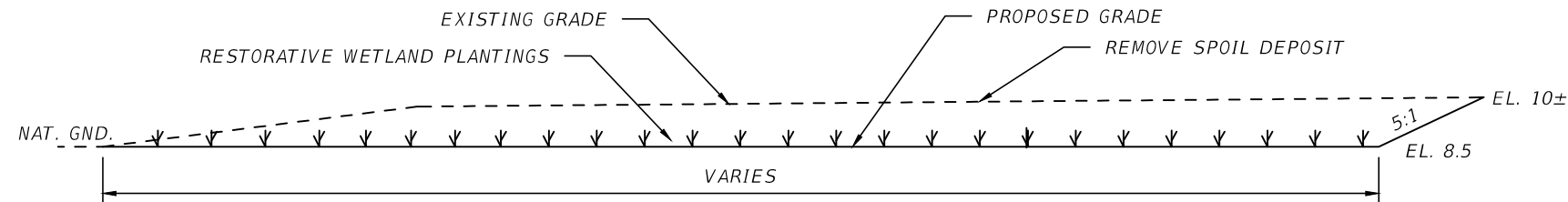


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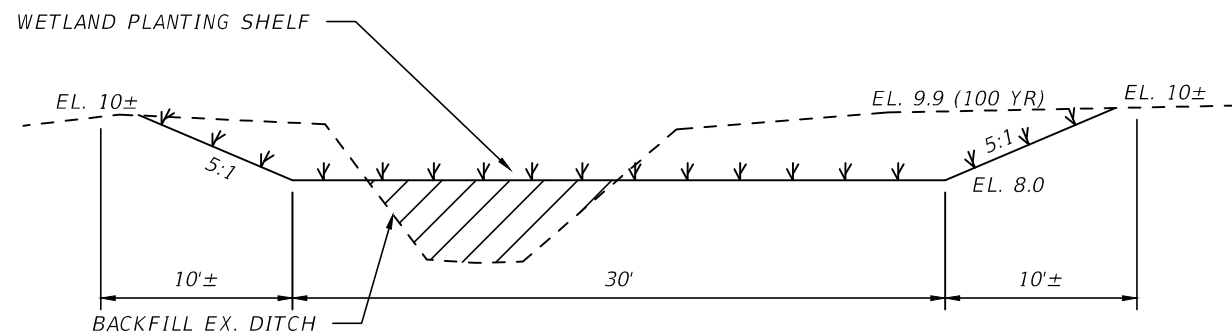


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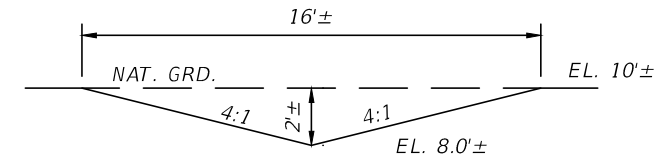
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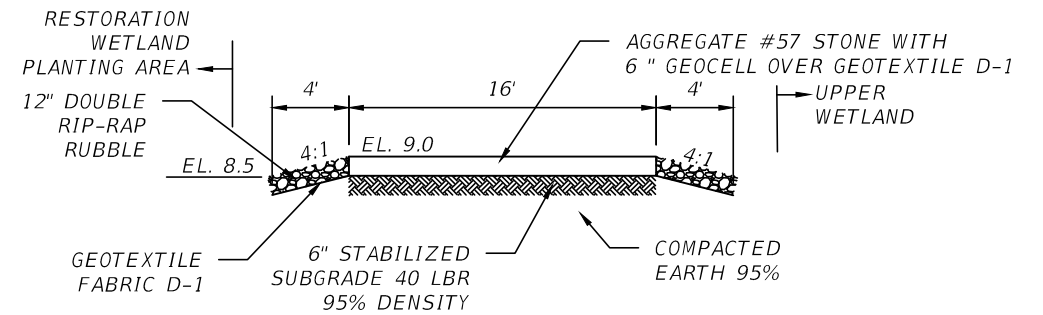
SECTION A - A
TYPICAL RESTORATION
WETLAND PLANTINGS AREA SECTION



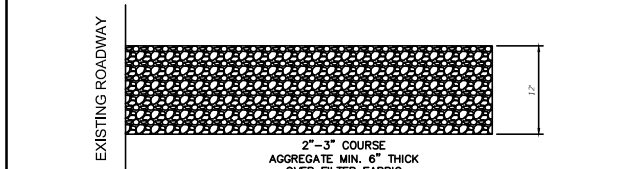
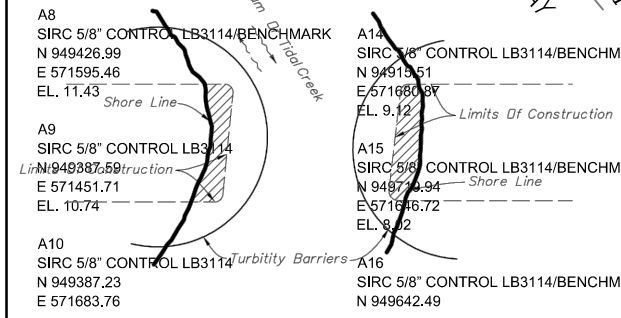
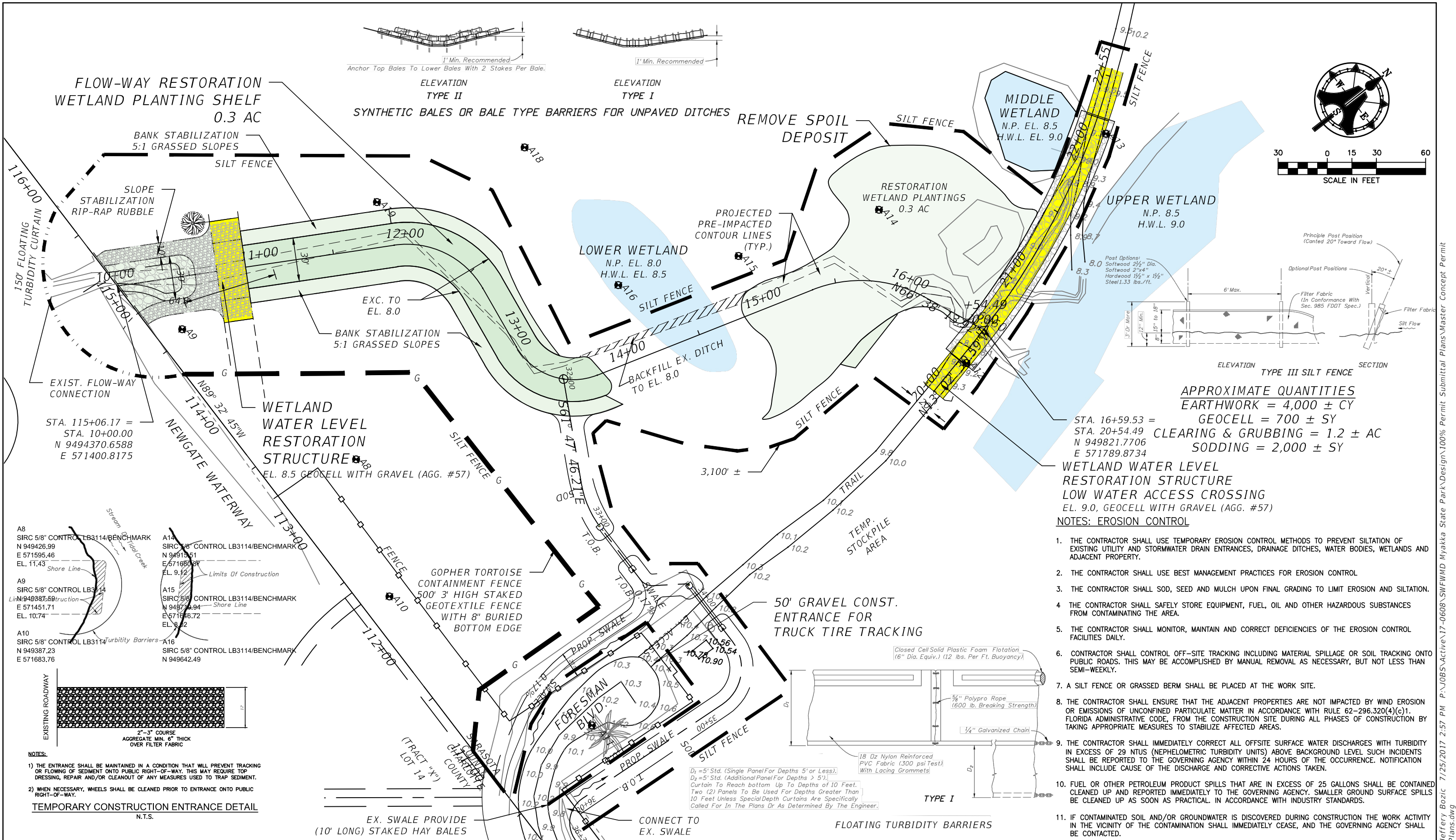
SECTION B - B
TYPICAL FLOW-WAY SECTION



TYPICAL SWALE SECTION



TYPICAL LOW WATER ACCESS CROSSING SECTION



- NOTES:**
- 1) THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
 - 2) WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
- TEMPORARY CONSTRUCTION ENTRANCE DETAIL**
N.T.S.

- APPROXIMATE QUANTITIES**
EARTHWORK = 4,000 ± CY
GEOCELL = 700 ± SY
CLEARING & GRUBBING = 1.2 ± AC
SODDING = 2,000 ± SY
- NOTES: EROSION CONTROL**
1. THE CONTRACTOR SHALL USE TEMPORARY EROSION CONTROL METHODS TO PREVENT SILTATION OF EXISTING UTILITY AND STORMWATER DRAIN ENTRANCES, DRAINAGE DITCHES, WATER BODIES, WETLANDS AND ADJACENT PROPERTY.
 2. THE CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICES FOR EROSION CONTROL
 3. THE CONTRACTOR SHALL SOD, SEED AND MULCH UPON FINAL GRADING TO LIMIT EROSION AND SILTATION.
 4. THE CONTRACTOR SHALL SAFELY STORE EQUIPMENT, FUEL, OIL AND OTHER HAZARDOUS SUBSTANCES FROM CONTAMINATING THE AREA.
 5. THE CONTRACTOR SHALL MONITOR, MAINTAIN AND CORRECT DEFICIENCIES OF THE EROSION CONTROL FACILITIES DAILY.
 6. CONTRACTOR SHALL CONTROL OFF-SITE TRACKING INCLUDING MATERIAL SPILLAGE OR SOIL TRACKING ONTO PUBLIC ROADS. THIS MAY BE ACCOMPLISHED BY MANUAL REMOVAL AS NECESSARY, BUT NOT LESS THAN SEMI-WEEKLY.
 7. A SILT FENCE OR GRASSED BERM SHALL BE PLACED AT THE WORK SITE.
 8. THE CONTRACTOR SHALL ENSURE THAT THE ADJACENT PROPERTIES ARE NOT IMPACTED BY WIND EROSION OR EMISSIONS OF UNCONFINED PARTICULATE MATTER IN ACCORDANCE WITH RULE 62-296.320(4)(c)1. FLORIDA ADMINISTRATIVE CODE, FROM THE CONSTRUCTION SITE DURING ALL PHASES OF CONSTRUCTION BY TAKING APPROPRIATE MEASURES TO STABILIZE AFFECTED AREAS.
 9. THE CONTRACTOR SHALL IMMEDIATELY CORRECT ALL OFFSITE SURFACE WATER DISCHARGES WITH TURBIDITY IN EXCESS OF 29 NTUS (NEPHELOMETRIC TURBIDITY UNITS) ABOVE BACKGROUND LEVEL SUCH INCIDENTS SHALL BE REPORTED TO THE GOVERNING AGENCY WITHIN 24 HOURS OF THE OCCURRENCE. NOTIFICATION SHALL INCLUDE CAUSE OF THE DISCHARGE AND CORRECTIVE ACTIONS TAKEN.
 10. FUEL OR OTHER PETROLEUM PRODUCT SPILLS THAT ARE IN EXCESS OF 25 GALLONS SHALL BE CONTAINED CLEANED UP AND REPORTED IMMEDIATELY TO THE GOVERNING AGENCY. SMALLER GROUND SURFACE SPILLS BE CLEANED UP AS SOON AS PRACTICAL. IN ACCORDANCE WITH INDUSTRY STANDARDS.
 11. IF CONTAMINATED SOIL AND/OR GROUNDWATER IS DISCOVERED DURING CONSTRUCTION THE WORK ACTIVITY IN THE VICINITY OF THE CONTAMINATION SHALL IMMEDIATELY CEASE, AND THE GOVERNING AGENCY SHALL BE CONTACTED.

CONSTRUCTION NOTES:

1. COPIES OF THESE PLANS AS DESIGNED BY THE PROFESSIONAL ENGINEER HAVE BEEN RETAINED BY THE PROFESSIONAL ENGINEER. SAID ENGINEER WILL NOT BE RESPONSIBLE FOR ANY SUBSEQUENT CHANGES TO THE REPRODUCIBLE ORIGINAL DOCUMENTS.
2. RIGHT OF WAY LINES BASED ON ORIGINAL DEDICATION.
3. A STORMWATER POLLUTION PREVENTION PLAN SHALL BE PREPARED BY THE CONTRACTOR, IN ACCORDANCE WITH FDEP N.P.D.E.S. THE NOTICE OF INTENT SHALL BE PREPARED FOR THE N.P.D.E.S. STORMWATER PERMIT AND SUBMITTED TO OBTAIN PERMIT COVERAGE. FULL COMPENSATION FOR ALL ITEMS AND WORK SHALL BE INCLUDED IN THE COST OF EROSION CONTROL PROGRAM.
4. APPROPRIATE TURBIDITY AND EROSION CONTROL FEATURES SHALL BE PLACED PRIOR TO CONSTRUCTION.
5. IN THE EVENT OF EXCAVATION OF UNSUITABLE MATERIAL IS REQUIRED IT MAY BE USED TO FLATTEN SLOPES.
6. PRIOR AND DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE STAKEOUT OF THE PROJECT, I.E., LINE, GRADE, SLOPE STAKE, UTILITY RELOCATIONS OR ANY OTHER STAKEOUT THAT MAY BE REQUIRED TO COMPLETE THE PROJECT IN ACCORDANCE WITH PLANS AND SPECIFICATIONS.
7. OVERALL CLEAN UP SHALL BE ACCOMPLISHED BY THE CONTRACTOR IN ACCORDANCE WITH COUNTY STANDARDS OR AS DIRECTED BY THE ENGINEER AND DISTRICT. ANY AND ALL EXPENSE INCURRED FOR THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR THE RELATED ITEM.
8. THE CONTRACTOR SHALL ENDEAVOR TO PROTECT PRIVATE PROPERTY, ANY DAMAGE CAUSED BY THE CONTRACTOR IN THE PERFORMANCE OF HIS WORK SHALL BE CORRECTED TO THE SATISFACTION OF THE ENGINEER AND DISTRICT AT THE CONTRACTOR'S EXPENSE.
9. ANY DAMAGE TO STATE, COUNTY OR LOCAL ROADS CAUSED BY THE CONTRACTOR'S HAULING OR EXCAVATION EQUIPMENT SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.
10. ANY SURVEY MARKER, INCLUDING BUT NOT LIMITED TO SECTION MARKERS, BENCHMARKS, LOT CORNER, ETC., WHICH ARE DISTURBED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE PRIOR TO FINAL PAYMENT. RESETTING OF MONUMENTS AND MARKERS SHALL BE PERFORMED BY A PROFESSIONAL LAND SURVEYOR, LICENSED TO PRACTICE IN THE STATE OF FLORIDA AND SHOWN ON THE AS-BUILT PLANS AS RESET. CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS TO THE ENGINEER UPON COMPLETION.
11. THE ELEVATIONS SHOWN HEREON ARE ON THE NATIONAL GEODETIC VERTICAL DATUM (N.A.V.D.) OF 1988. ANY N.G.V.D. 1929 OR N.A.V.D. '88 MONUMENT WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF EXCAVATED MATERIAL, DEBRIS, VEGETATION AND CONCRETE AT A LEGAL DISPOSAL SITE OR BY OTHER MANNER APPROVED BY THE ENGINEER. DO NOT DEPOSIT MATERIALS CLEARED FROM SITE ONTO ADJACENT PROPERTY WITHOUT WRITTEN APPROVAL FROM THE ENGINEER AND DISTRICT. CONTRACTOR IS RESPONSIBLE FOR MATERIALS REMOVED FROM SITE.
13. THE CONTRACTOR SHALL FURNISH THE ENGINEER, PRIOR TO INCORPORATION INTO THE PROJECT, A CERTIFICATION FROM THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES DIVISION OF PLANT INDUSTRY, STATING THAT THE SOD, HAY AND MULCH MATERIALS ARE FREE OF NOXIOUS WEED, INCLUDING TROPICAL SODA APPLE.
14. ANY DAMAGE BY THE CONTRACTOR TO ANY DRIVE TURNOUT DURING THE CONSTRUCTION OF THE PROJECT SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
15. THE CONTRACTOR SHALL NOTIFY ALL REQUIRED UTILITIES AND GOVERNMENT AGENCIES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION (48 HOURS BEFORE DIGGING

CALL TOLL FREE 1-800-638-4097 SUNSHINE CALL CENTER - PREVIOUSLY U.N.C.L.E.)

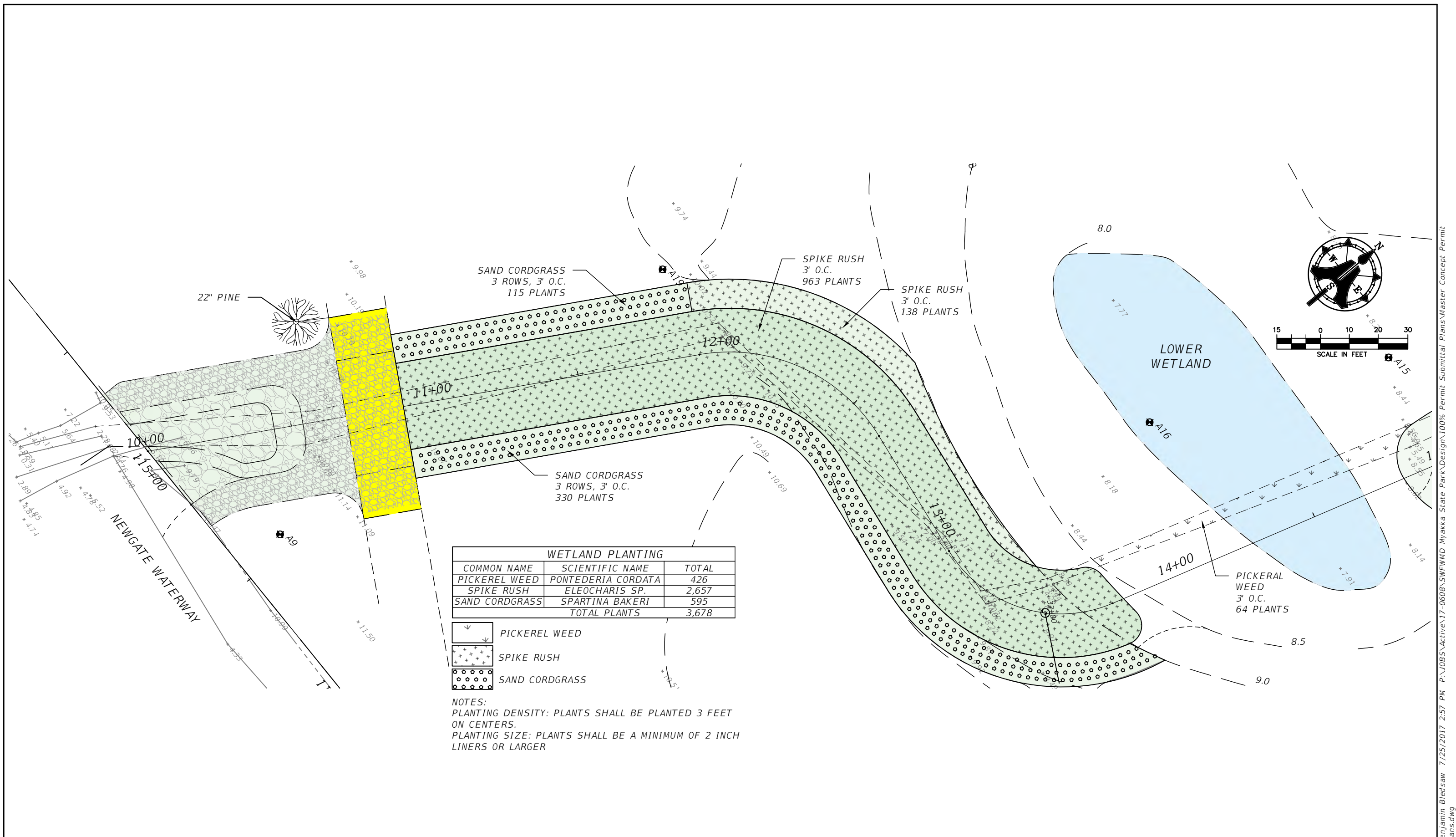
16. *CONSTRUCTION DEWATERING HAS NOT BEEN AUTHORIZED. IF DEWATERING IS NECESSARY, THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A WATER USE PERMIT FROM THE WATER MANAGEMENT DISTRICT.*
17. *PRIOR TO COMMENCEMENT, THE CONTRACTOR SHALL OBTAIN A COPY OF AND FOLLOW FLORIDA DEPARTMENT OF HISTORICAL RESOURCES (FDHR) DIRECTIVES FOR CONSTRUCTION WORK AND REPORTING OF HISTORICAL OR ARCHAEOLOGICAL ARTIFACTS DISCOVERED DURING GROUND DISTURBING ACTIVITIES FOR THE PROPOSED RESURFACING, INCLUDING REMOVAL OF THE PREVIOUS ROAD SURFACE, INSTALLATION OF SIGNAGE, AND TEMPORARY ACCESS AND STAGING AREAS.*
18. *CONTRACTOR SHALL PROVIDE A SUPERINTENDENT ON SITE AT ALL TIMES DURING CONSTRUCTION.*
19. *TEMPORARY DETOURS OF TRAFFIC SHALL BE PERMITTED ONLY UPON PRIOR WRITTEN APPROVAL BY THE DISTRICT. TEMPORARY SIGNS ARE PERMITTED AS LONG AS THEY ARE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). IF A ROAD CLOSURE IS ANTICIPATED TO BE IN EXCESS OF TWELVE (12) HOURS, POST MOUNTED SIGNAGE IS REQUIRED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE EMS, FIRE & SHERIFFS, SCHOOL BOARD OFFICES PRIOR AND DURING ROAD CLOSURE.*
20. *THERE IS AN EXISTING WATERLINE WITHIN THE LIMITS OF THE PROJECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD LOCATE THESE SAID WATERLINES. ANY UTILITY CONFLICTS SHALL BE COORDINATED WITH CHARLOTTE COUNTY UTILITIES FOR ADJUSTMENT AND RELOCATION OF THE WATERLINE.*

GENERAL NOTES:

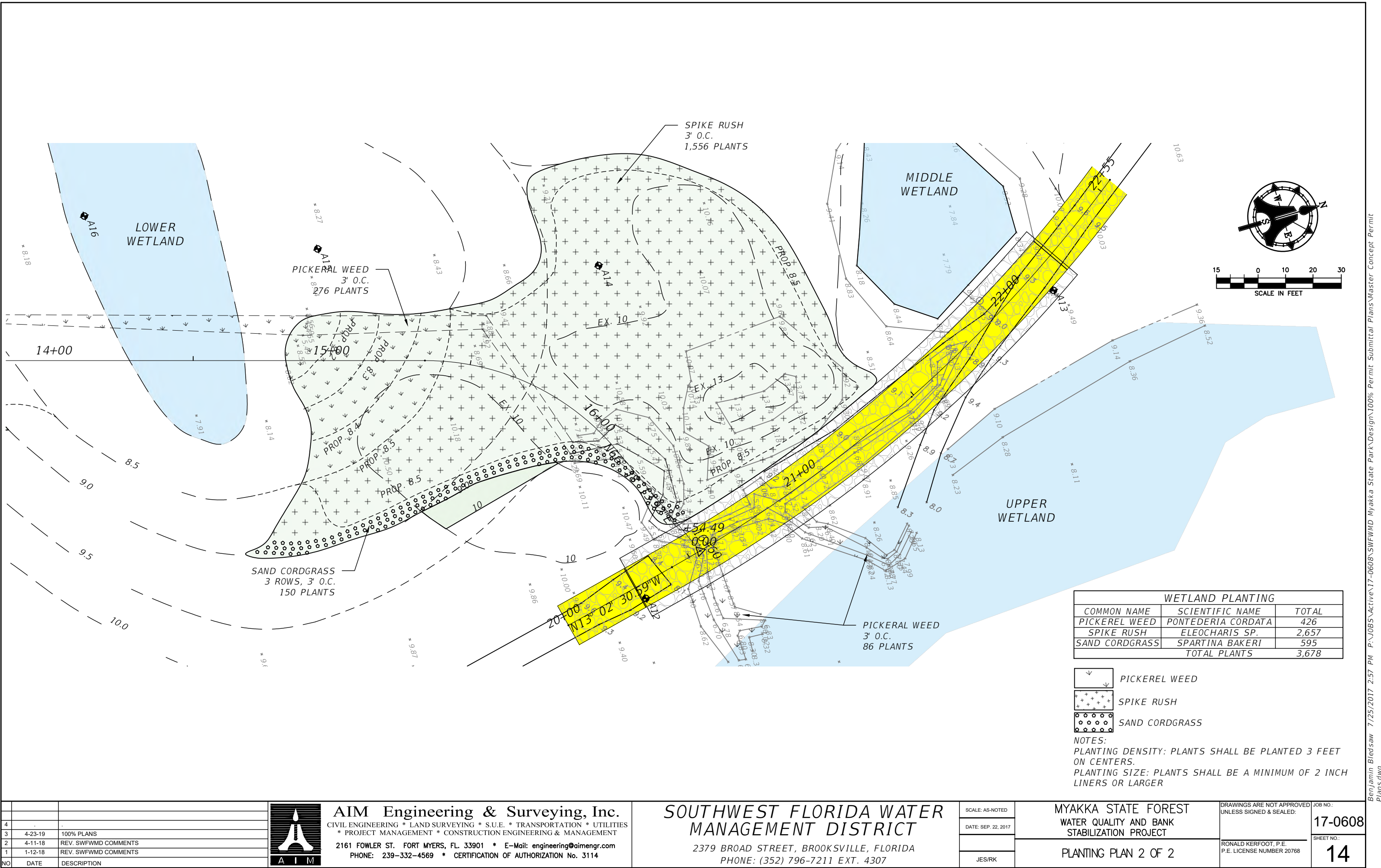
1. CONTRACTORS SHALL OBTAIN ALL REQUIRED PERMITS. CONTRACTOR SHALL RETAIN, ON THE WORK SITE, COPIES OF ANY PERMITS NECESSARY FOR CONSTRUCTION.
2. THE CONTRACTOR SHALL OBTAIN PERMITS PRIOR TO WORK IN R/W'S. THE CONTRACTOR SHALL COMPLY WITH ALL REGULATORY AND PERMITTING AGENCIES REQUIREMENTS.
3. CONTRACTOR SHALL FOLLOW THE INSPECTION AND NOTIFICATION REQUIREMENTS. A MINIMUM OF 72 HOURS NOTICE SHALL BE GIVEN PRIOR TO ALL REQUIRED INSPECTIONS.
4. REFER TO SURVEY OF MYAKKA STATE FOREST FOR ALL PROPERTY LINE INFORMATION.
5. THE CONTRACTOR SHALL SUPPLY CONTROL POINTS FOR LINE AND GRADE SET BY A PROFESSIONAL SURVEYOR LICENSED BY THE STATE OF FLORIDA.
6. DISCREPANCIES IN FIELD CONDITIONS, PLAN CONDITIONS, OR CODES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER, PRIOR TO PROCEEDING.
7. THE CONTRACTOR SHALL CONTACT THE ENGINEER AND THE APPROPRIATE UTILITY COMPANY IMMEDIATELY CONCERNING ANY CONFLICTS WITH THEIR UTILITIES/STRUCTURES ARISING DURING CONSTRUCTION OF ANY FACILITIES SHOWN ON THESE DRAWINGS.
8. THE CONTRACTOR SHALL PREPARE AND PROVIDE AS-BUILT AND RECORD DRAWINGS IN COMPLIANCE WITH THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, U.S. ARMY CORPS OF ENGINEERS STANDARDS AND SPECIFICATIONS FOR CERTIFICATION AND TRANSFER TO OPERATIONS. ALL SIGNED AND SEALED RECORD SURVEY PLANS AND ELECTRONIC COPIES SHALL BE DELIVERED TO THE ENGINEER-OF-RECORD FOR REVIEW, APPROVAL AND TRANSMITTING TO THE PERMITTING AGENCIES.
9. A PRE-CONSTRUCTION MEETING SHALL BE CONDUCTED AND A NOTICE TO PROCEED SHALL BE ISSUED BY THE DISTRICT TO THE GENERAL CONTRACTOR BEFORE ANY PHYSICAL WORK IS STARTED.
10. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND TAKE ALL POSSIBLE PRECAUTIONS TO AVOID ANY DAMAGE TO ALL UNDERGROUND PIPELINES, TELEPHONE, CABLE TV, ELECTRIC LINES/ CONDUITS AND DRAINAGE STRUCTURES IN ADVANCE OF ANY CONSTRUCTION.

11. APPROPRIATE TURBIDITY CONTROL DEVICES (E.G. SILT FENCES, HAY BALES) WILL BE UTILIZED DURING ALL PHASES OF INSTALLATION AND GRADING. CONTRACTOR IS RESPONSIBLE FOR SUBMITTING THE NOTICE OF INTENT AND NOTICE OF TERMINATION TO THE FDEP. CONTRACTOR IS RESPONSIBLE FOR DEVELOPING AND MAINTAINING AN EFFECTIVE STORM WATER POLLUTION PREVENTION PLAN WHICH SHALL BE SUBMITTED TO THE PROJECT MANAGER FOR REVIEW AND APPROVAL BEFORE ANY PHYSICAL WORK HAS STARTED.
12. THE CONTRACTOR SHALL ADJUST ALL FRAMES, COVERS, VALVE BOXES, MANHOLES, ECT. TO FINISHED GRADE UPON COMPLETION OF PAVING OR RELATED CONSTRUCTION. ANY SUCH ITEMS WITHIN THE PROPOSED SIDEWALK SHALL BE FLUSH WITH THE SURFACE OF THE CONCRETE (ZERO TOLERANCE).
13. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC AND USAGE OF THE EXISTING STREETS ADJACENT TO THE PROJECT, ALL TRAFFIC MAINTENANCE CONTROL SHALL BE IN ACCORDANCE WITH THE FLORIDA MANUAL OF TRAFFIC CONTROL AND SAFE PRACTICES FOR STREET AND HIGHWAY CONSTRUCTION, MAINTENANCE, AND UTILITY OPERATIONS AND APPROVED BY CHARLOTTE COUNTY.

[illegible]



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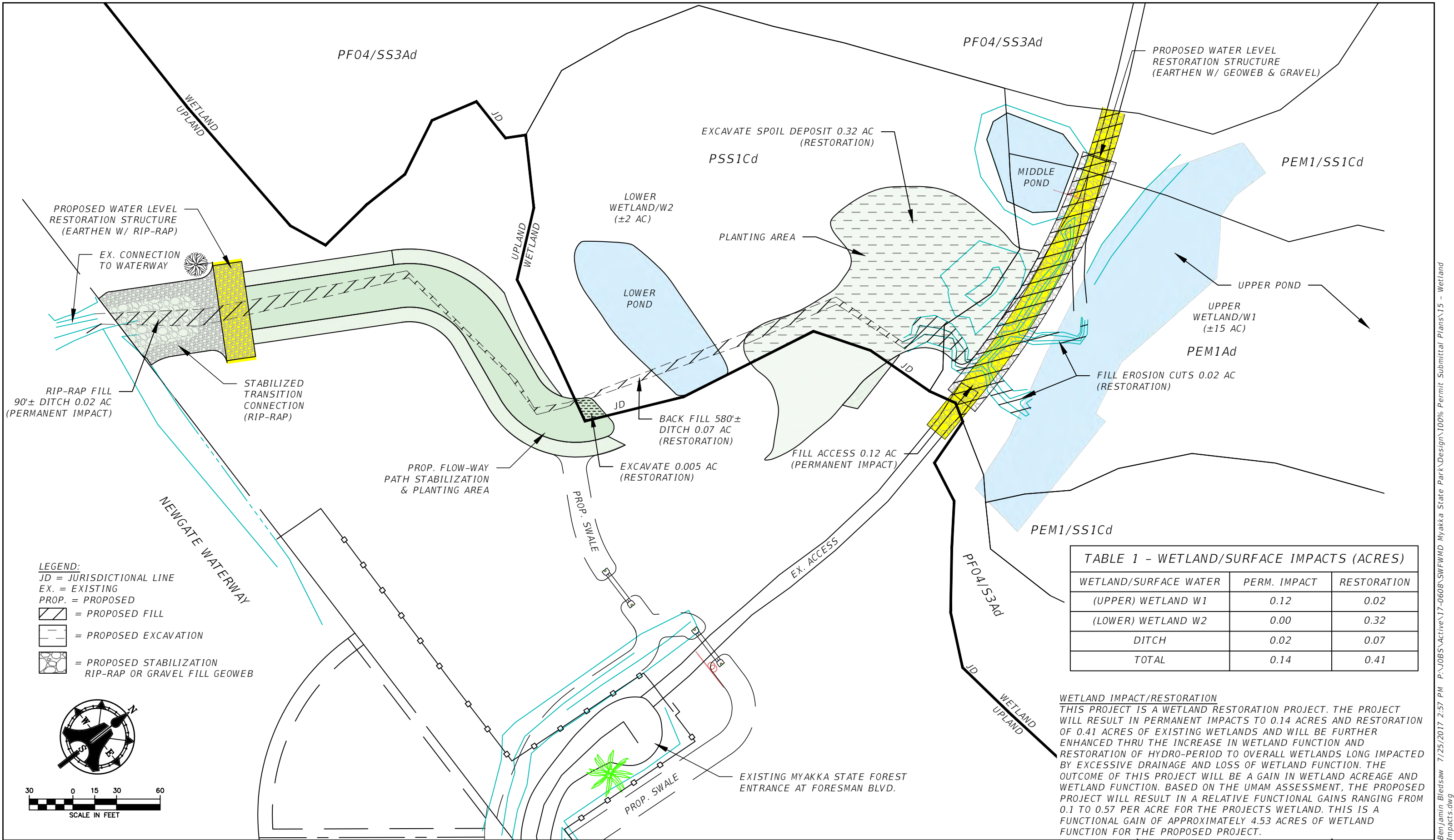
NO	DATE	DESCRIPTION
4		
3	4-23-19	100% PLANS
2	4-11-18	REV. SWFWMD COMMENTS
1	1-12-18	REV. SWFWMD COMMENTS



AIM Engineering & Surveying, Inc.
CIVIL ENGINEERING * LAND SURVEYING * S.U.E. * TRANSPORTATION * UTILITIES
* PROJECT MANAGEMENT * CONSTRUCTION ENGINEERING & MANAGEMENT
2161 FOWLER ST. FORT MYERS, FL. 33901 * E-Mail: engineering@aimengr.com
PHONE: 239-332-4569 * CERTIFICATION OF AUTHORIZATION No. 3114

**SOUTHWEST FLORIDA WATER
MANAGEMENT DISTRICT**

2379 BROAD STREET, BROOKSVILLE, FLORIDA
PHONE: (352) 796-7211 EXT. 4307



LEGEND:
JD = JURISDICTIONAL LINE
EX. = EXISTING
PROP. = PROPOSED
[Symbol] = PROPOSED FILL
[Symbol] = PROPOSED EXCAVATION
[Symbol] = PROPOSED STABILIZATION
RIP-RAP OR GRAVEL FILL GEOWEB

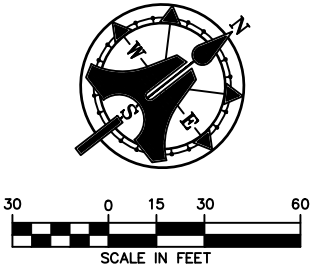


TABLE 1 - WETLAND/SURFACE IMPACTS (ACRES)		
WETLAND/SURFACE WATER	PERM. IMPACT	RESTORATION
(UPPER) WETLAND W1	0.12	0.02
(LOWER) WETLAND W2	0.00	0.32
DITCH	0.02	0.07
TOTAL	0.14	0.41

WETLAND IMPACT/RESTORATION
THIS PROJECT IS A WETLAND RESTORATION PROJECT. THE PROJECT WILL RESULT IN PERMANENT IMPACTS TO 0.14 ACRES AND RESTORATION OF 0.41 ACRES OF EXISTING WETLANDS AND WILL BE FURTHER ENHANCED THRU THE INCREASE IN WETLAND FUNCTION AND RESTORATION OF HYDRO-PERIOD TO OVERALL WETLANDS LONG IMPACTED BY EXCESSIVE DRAINAGE AND LOSS OF WETLAND FUNCTION. THE OUTCOME OF THIS PROJECT WILL BE A GAIN IN WETLAND ACREAGE AND WETLAND FUNCTION. BASED ON THE UMAM ASSESSMENT, THE PROPOSED PROJECT WILL RESULT IN A RELATIVE FUNCTIONAL GAINS RANGING FROM 0.1 TO 0.57 PER ACRE FOR THE PROJECTS WETLAND. THIS IS A FUNCTIONAL GAIN OF APPROXIMATELY 4.53 ACRES OF WETLAND FUNCTION FOR THE PROPOSED PROJECT.

NO	DATE	DESCRIPTION
4	4-23-19	100% PLANS
3	6-19-18	REV. NOTES
2	4-11-18	REV. SWFWMD COMMENTS
1	1-12-18	REV. SWFWMD COMMENTS

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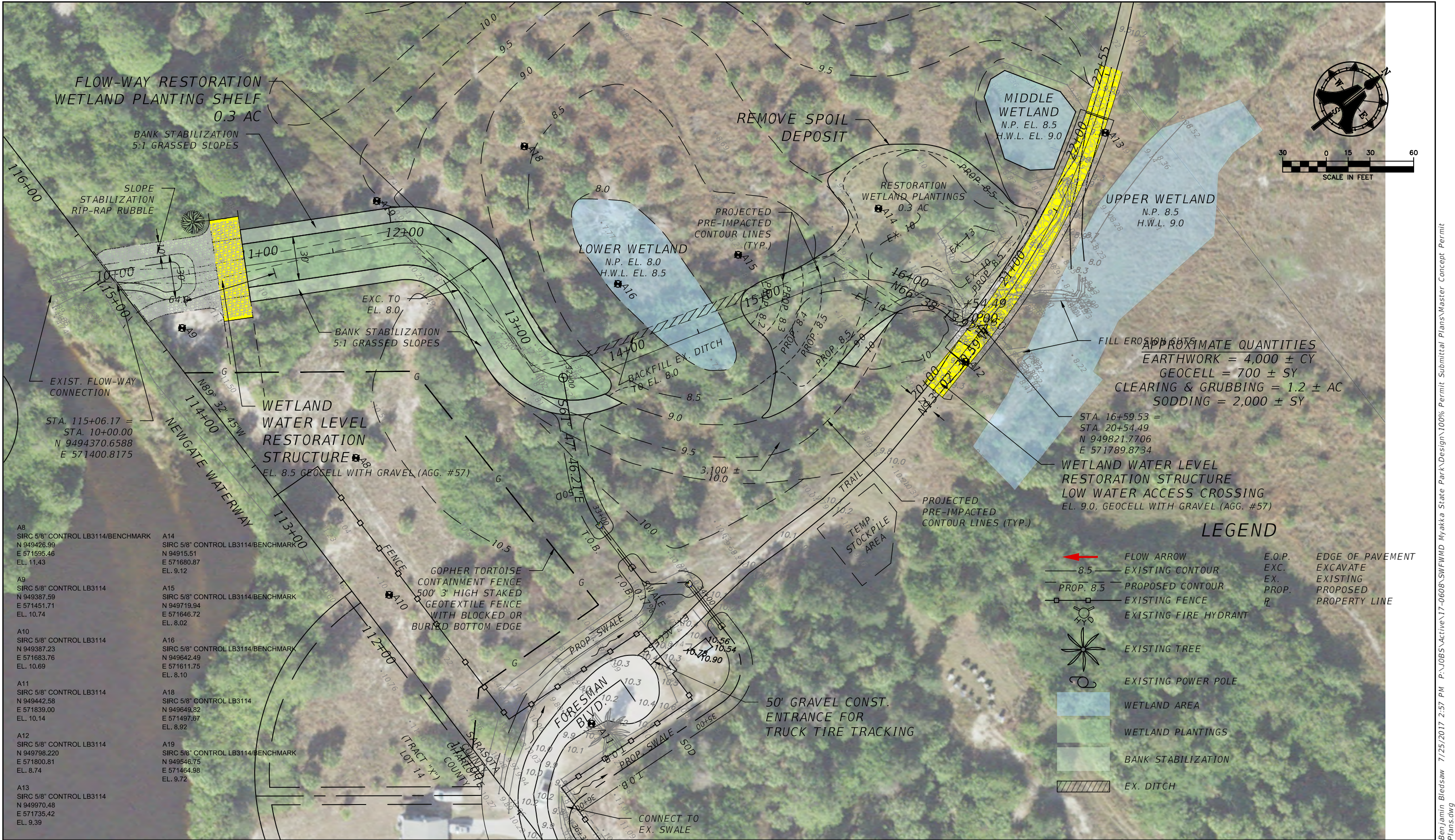
SOUTHWEST FLORIDA WATER
MANAGEMENT DISTRICT
2379 BROAD STREET, BROOKSVILLE, FLORIDA
PHONE: (352) 796-7211 EXT. 4307

SCALE: AS-NOTED
DATE: SEP. 22, 2017
JES/RK

MYAKKA STATE FOREST
WATER QUALITY AND BANK
STABILIZATION PROJECT
JURISDICTIONAL LINES /
WETLAND IMPACTS

DRAWINGS ARE NOT APPROVED
UNLESS SIGNED & SEALED:
RONALD KERFOOT, P.E.
P.E. LICENSE NUMBER 20768

JOB NO.:
17-0608
SHEET NO.:
15



A8 SIRC 5/8" CONTROL LB3114/BENCHMARK N 949426.99 E 571595.46 EL. 11.43	A14 SIRC 5/8" CONTROL LB3114/BENCHMARK N 94915.51 E 571680.87 EL. 9.12
A9 SIRC 5/8" CONTROL LB3114 N 949387.59 E 571451.71 EL. 10.74	A15 SIRC 5/8" CONTROL LB3114/BENCHMARK N 949719.94 E 571646.72 EL. 8.02
A10 SIRC 5/8" CONTROL LB3114 N 949387.23 E 571683.76 EL. 10.69	A16 SIRC 5/8" CONTROL LB3114/BENCHMARK N 949642.49 E 571611.75 EL. 8.10
A11 SIRC 5/8" CONTROL LB3114 N 949442.58 E 571839.00 EL. 10.14	A18 SIRC 5/8" CONTROL LB3114 N 949649.82 E 571497.67 EL. 8.92
A12 SIRC 5/8" CONTROL LB3114 N 949798.220 E 571800.81 EL. 8.74	A19 SIRC 5/8" CONTROL LB3114/BENCHMARK N 949546.75 E 571464.98 EL. 9.72
A13 SIRC 5/8" CONTROL LB3114 N 949970.48 E 571735.42 EL. 9.39	

APPROXIMATE QUANTITIES
EARTHWORK = 4,000 ± CY
GEOCELL = 700 ± SY
CLEARING & GRUBBING = 1.2 ± AC
SODDING = 2,000 ± SY

STA. 16+59.53 =
STA. 20+54.49
N 949821.7706
E 571789.8734

LEGEND

←	FLOW ARROW	E.O.P.	EDGE OF PAVEMENT
— 8.5 —	EXISTING CONTOUR	EXC.	EXCAVATE
— PROP. 8.5 —	PROPOSED CONTOUR	EX.	EXISTING
—	EXISTING FENCE	PROP.	PROPOSED
⊙	EXISTING FIRE HYDRANT	ℙ	PROPERTY LINE
✱	EXISTING TREE		
⊙	EXISTING POWER POLE		
■	WETLAND AREA		
■	WETLAND PLANTINGS		
■	BANK STABILIZATION		
▨	EX. DITCH		

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