

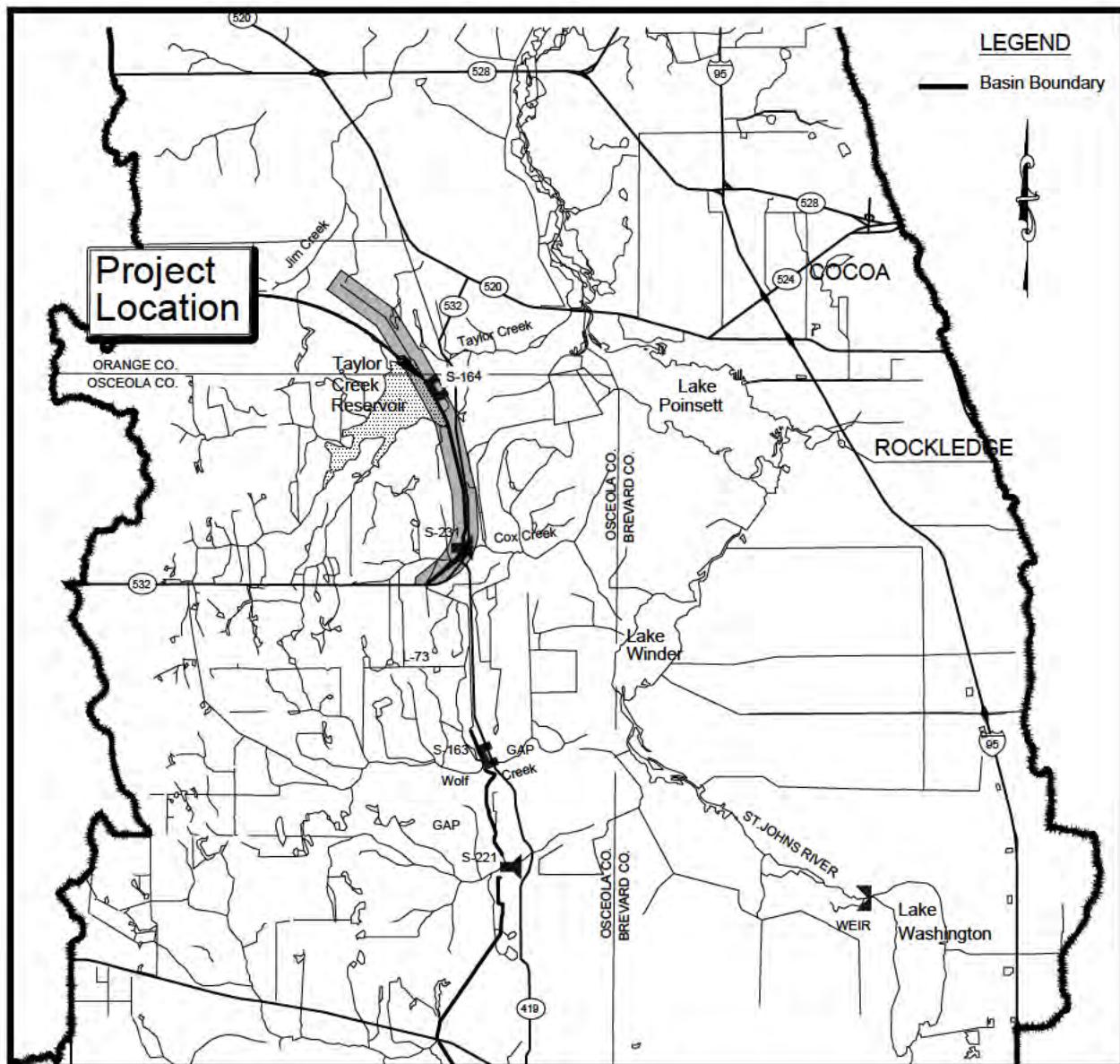
**L-73/Taylor Creek**  
**Levee Improvements**

Proposed Impacts						
Wetland Impact Areas	Community Type	Fill	Excavate / Conversion	Clear / Conversion	Temporary	Total
1	<i>herbaceous</i>			0.02		0.02
2	forested	3.21	0.33	1.25		4.79
	open water				0.99	0.99
3	forested	4.3		0.2		4.5
4	forested	0.03	0.04	0.23		0.3
5	shrub/herbaceous	0.01	0.24	0.15		0.4
6	shrub/herbaceous		0.07	0.04		0.11
7	shrub/herbaceous		0.02	0.01		0.03
8	<i>herbaceous</i>		0.03	0.01		0.04
9	<i>shrub</i>	0.19	0.02	0.12		0.33
10	<i>shrub</i>	0.06	0.03	0.05		0.14
11	<i>shrub</i>	0.05	0.05	0.02		0.12
12	forested	0.8	0.21	0.17		1.18
13	<i>shrub/herbaceous</i>	0.04	0.05	0.07		0.16
14	forested	0.82	0.09	0.44		1.35
15	forested	1.64		1.48		3.12
16	forested	3.1	1.08	1.37		5.55
17	<i>herbaceous</i>	0.03		0.05		0.08
18	<i>shrub</i>	0.02		0.11		0.13
19	<i>shrub</i>	0.13		0.3		0.43
20	herbaceous	0.02		0.2		0.22
<b>Total acres</b>		<b>14.45</b>	<b>2.26</b>	<b>6.29</b>	<b>0.99</b>	<b>23.99</b>
<b>Acres mitigated</b>		<b>13.91</b>	<b>2.08</b>	<b>5.34</b>	<b>0</b>	<b>21.33</b>

Italics denote isolated wetlands that are not jurisdictional under federal rules

Figures in red denote impacts that will be mitigated

**ST. JOHNS RIVER WATER MANAGEMENT DISTRICT**  
**UPPER ST. JOHNS RIVER BASIN**  
**TAYLOR CREEK L-73 LEVEE IMPROVEMENTS**  
**INDIAN RIVER COUNTY, FLORIDA**



**VICINITY MAP**

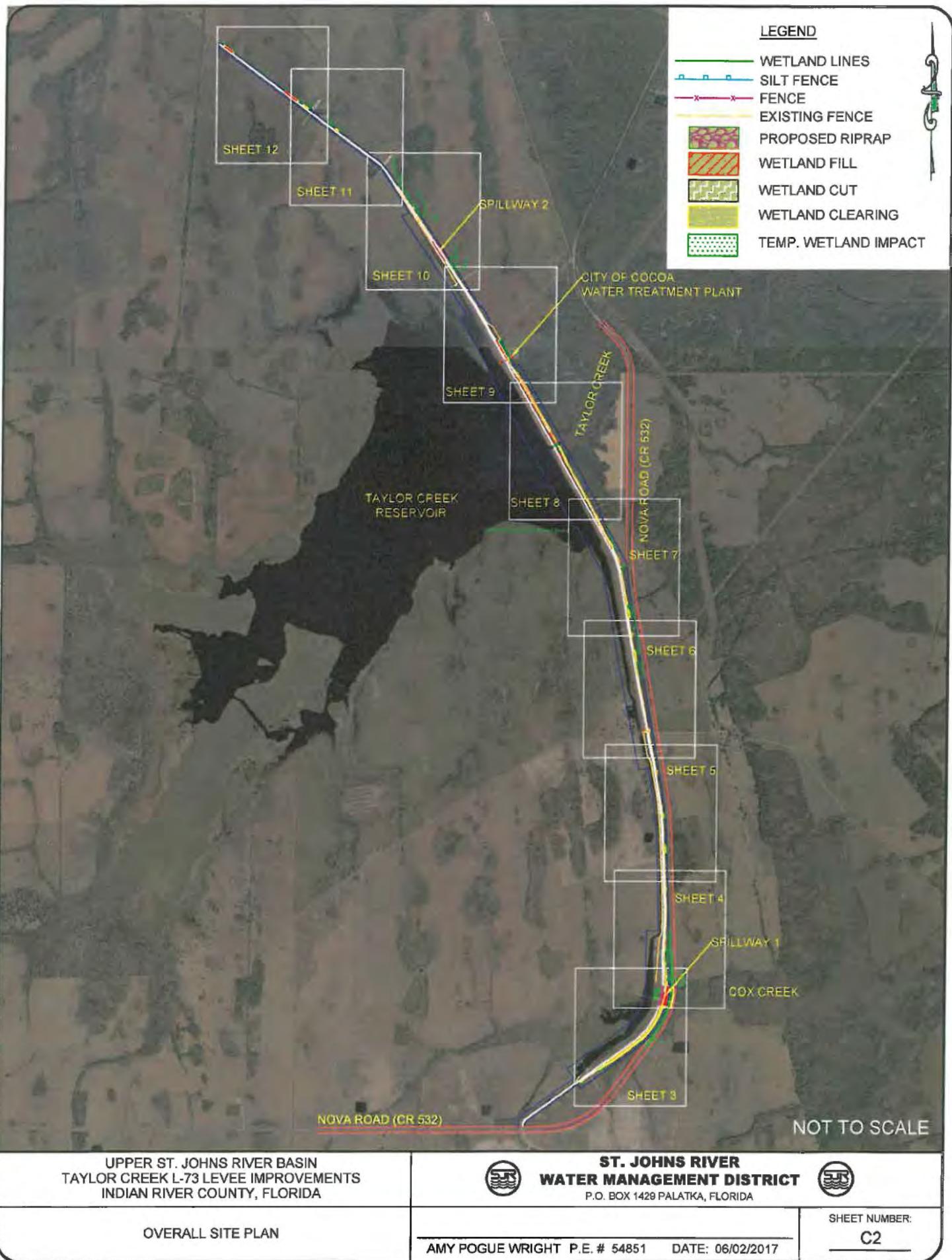
NOT TO SCALE

COVER & VICINITY MAP  
UPPER ST. JOHNS RIVER BASIN  
TAYLOR CREEK L-73 LEVEE IMPROVEMENTS  
INDIAN RIVER COUNTY, FLORIDA

ST. JOHNS RIVER  
WATER MANAGEMENT DISTRICT  
P.O. BOX 1429 PALATKA, FLORIDA

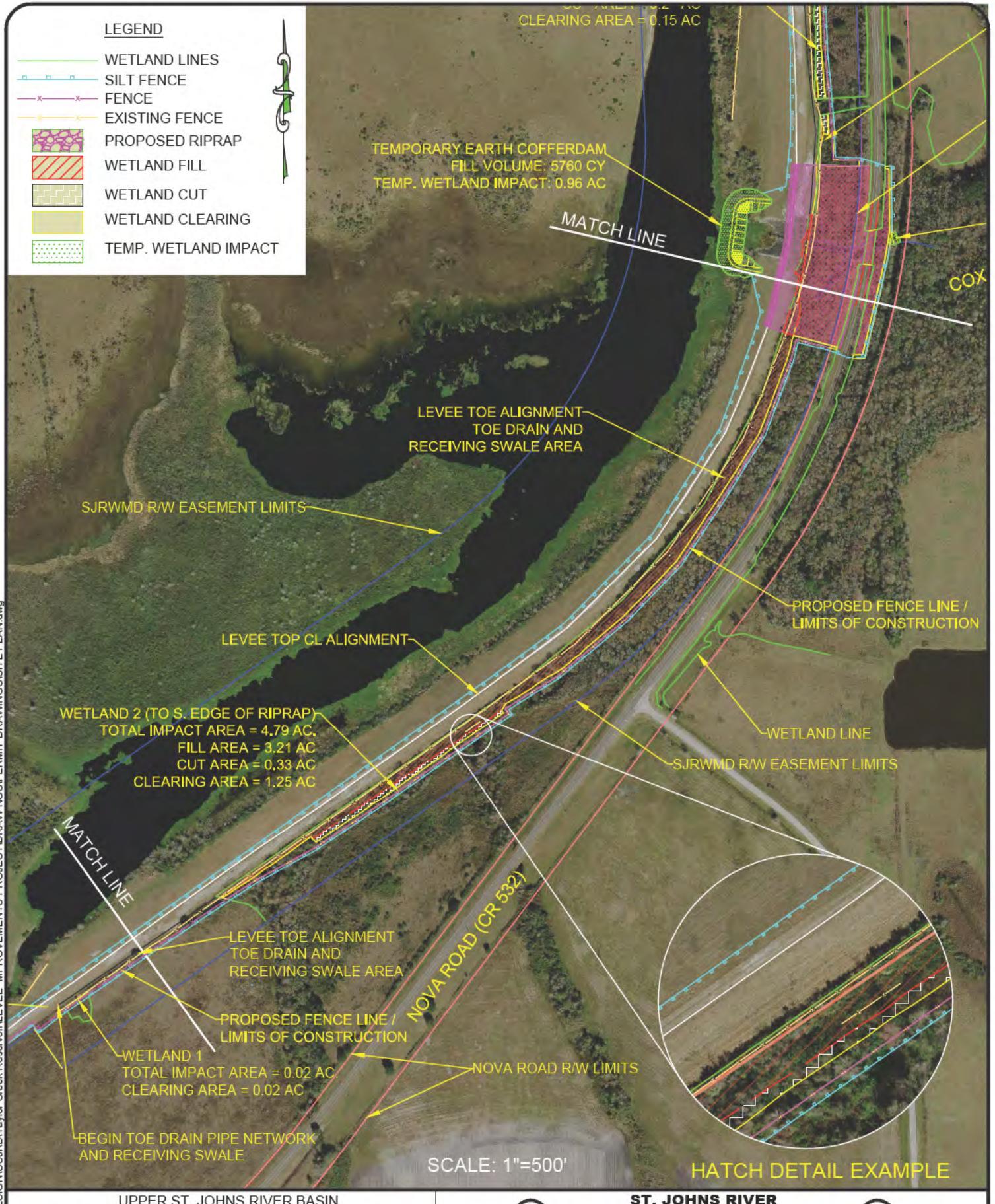


SHEET NUMBER:  
C1



**LEGEND**

- WETLAND LINES
- SILT FENCE
- FENCE
- EXISTING FENCE
- PROPOSED RIPRAP
- WETLAND FILL
- WETLAND CUT
- WETLAND CLEARING
- TEMP. WETLAND IMPACT



UPPER ST. JOHNS RIVER BASIN  
TAYLOR CREEK L-73 LEVEE IMPROVEMENTS  
INDIAN RIVER COUNTY, FLORIDA

PARTIAL SITE PLAN

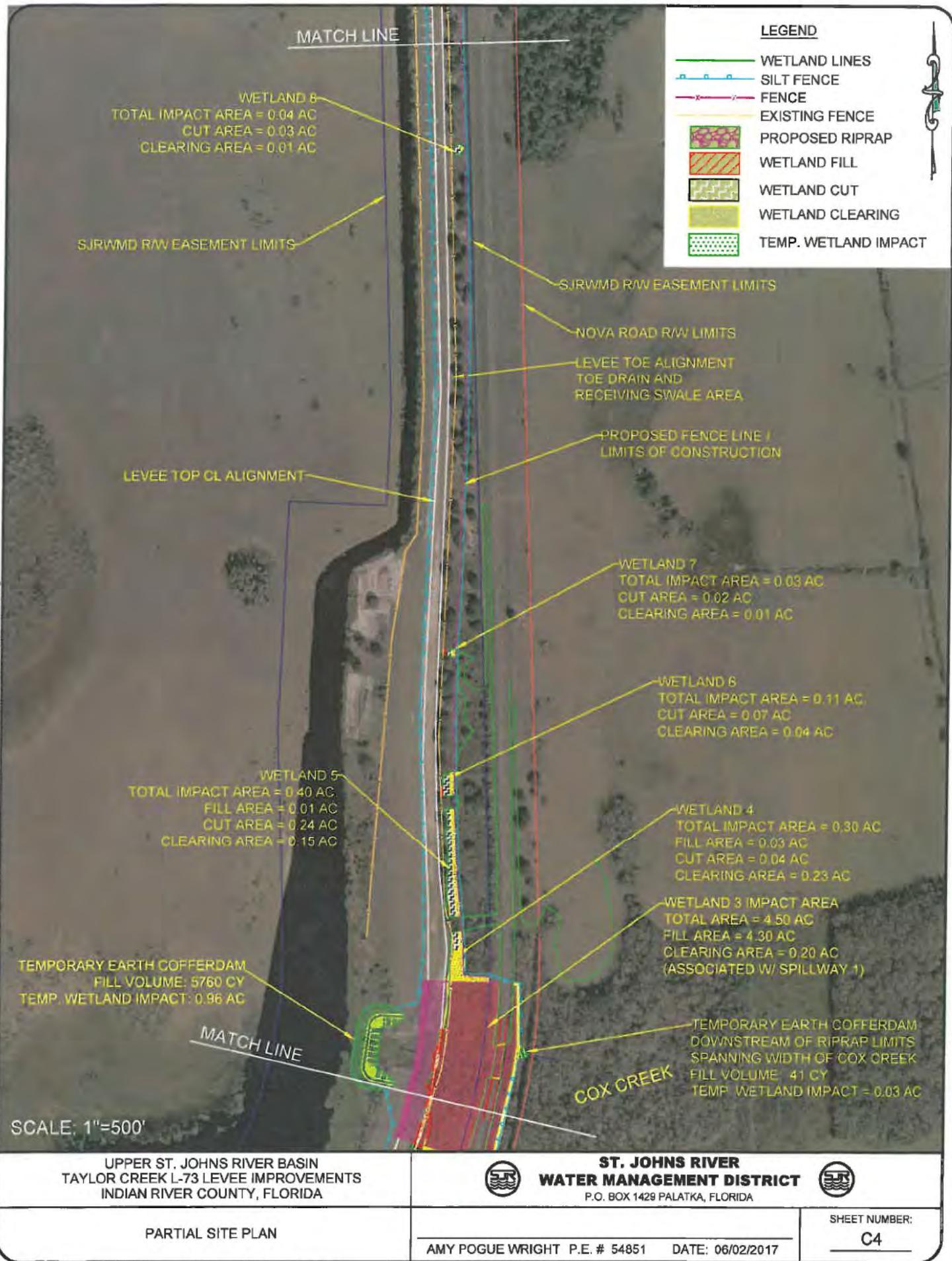


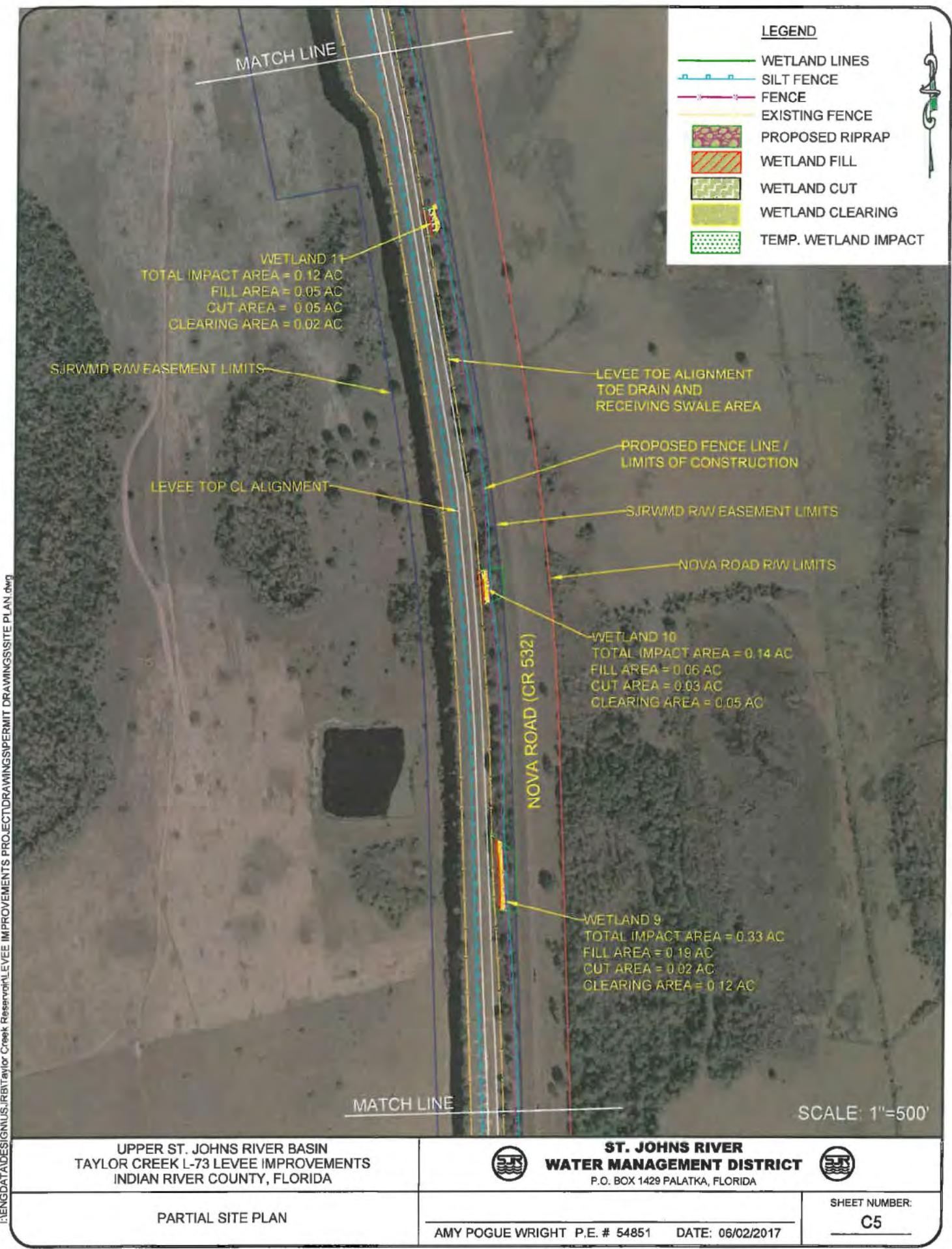
**ST. JOHNS RIVER  
WATER MANAGEMENT DISTRICT**  
P.O. BOX 1429 PALATKA, FLORIDA

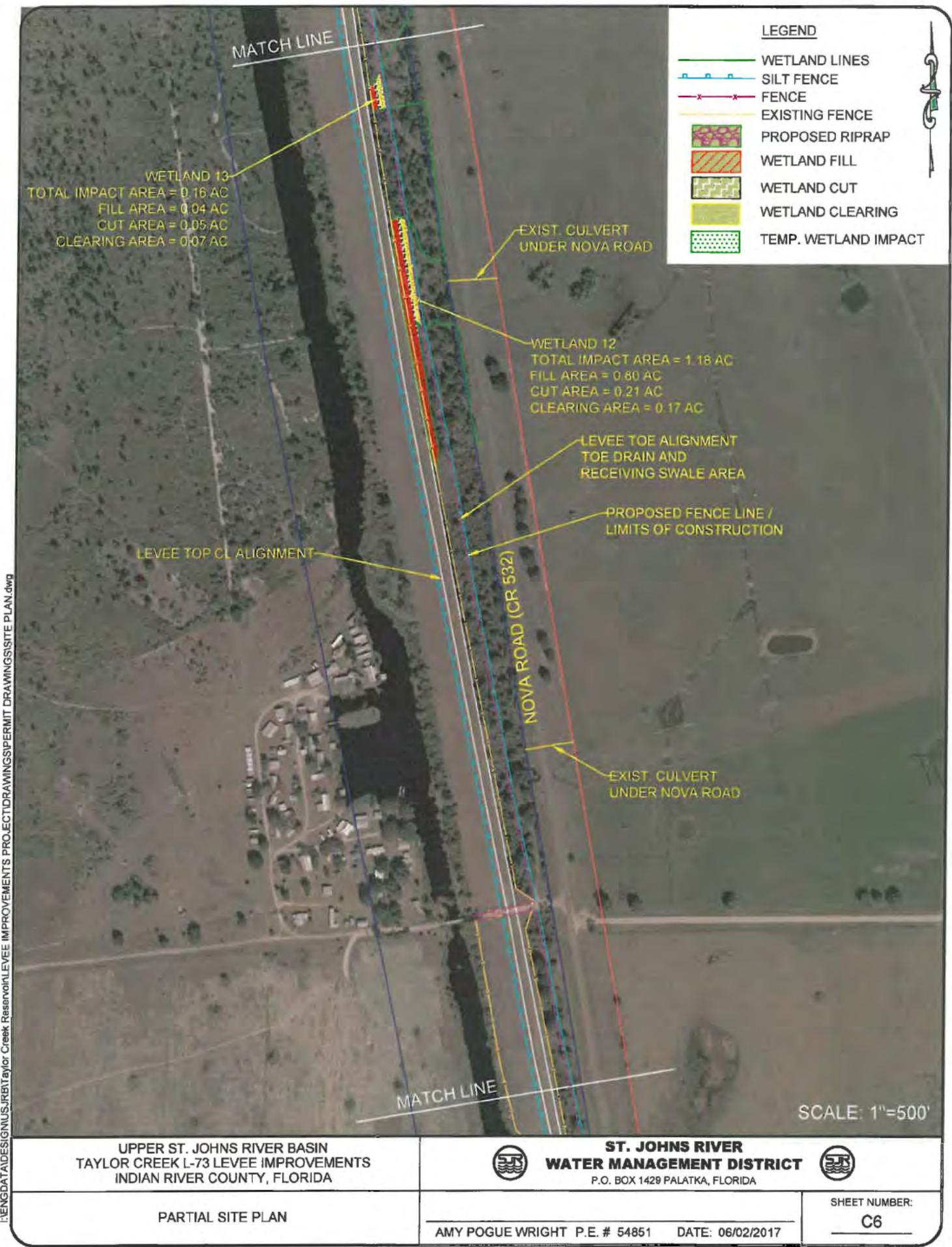


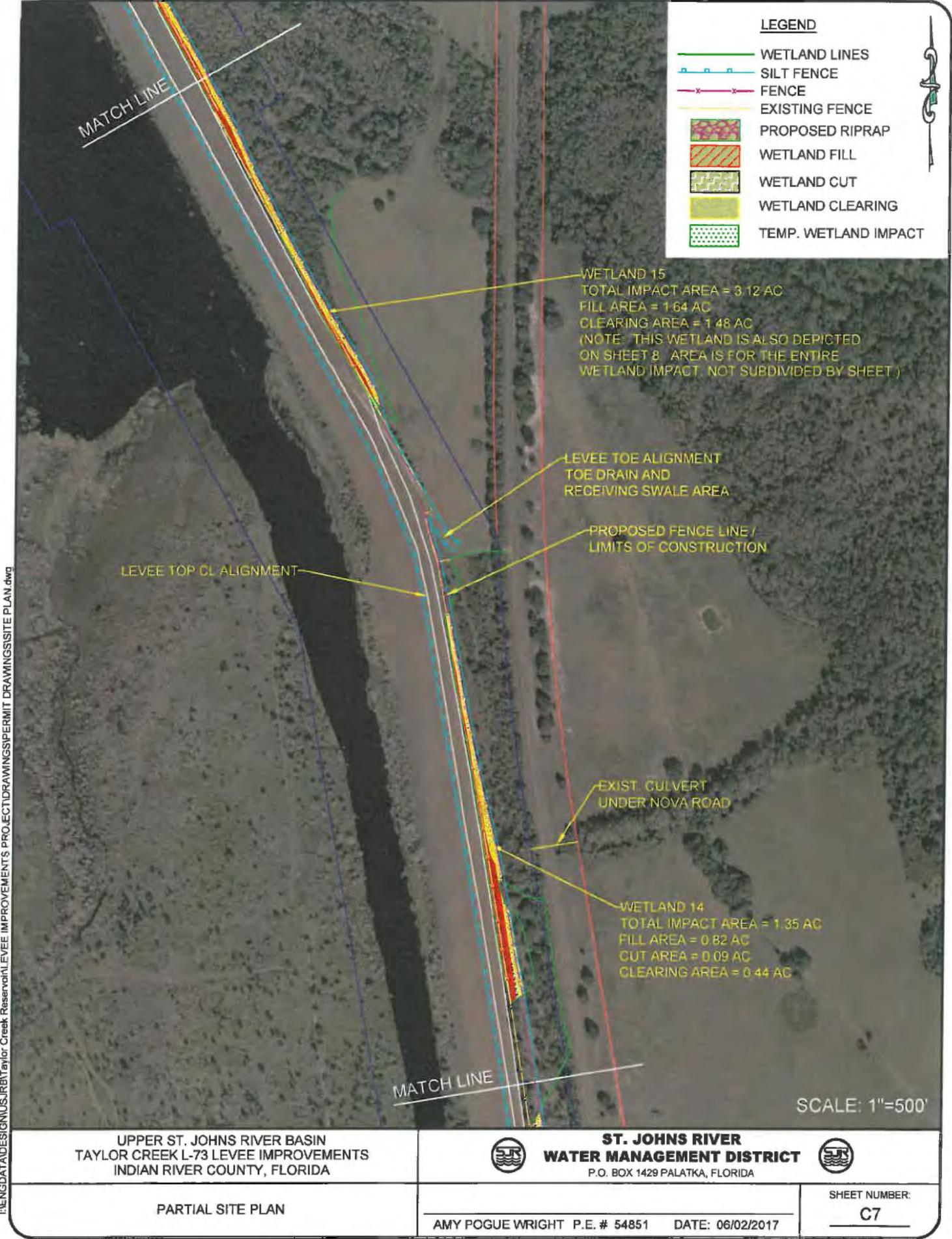
AMY POGUE WRIGHT P.E. # 54851 DATE: 06/02/2017

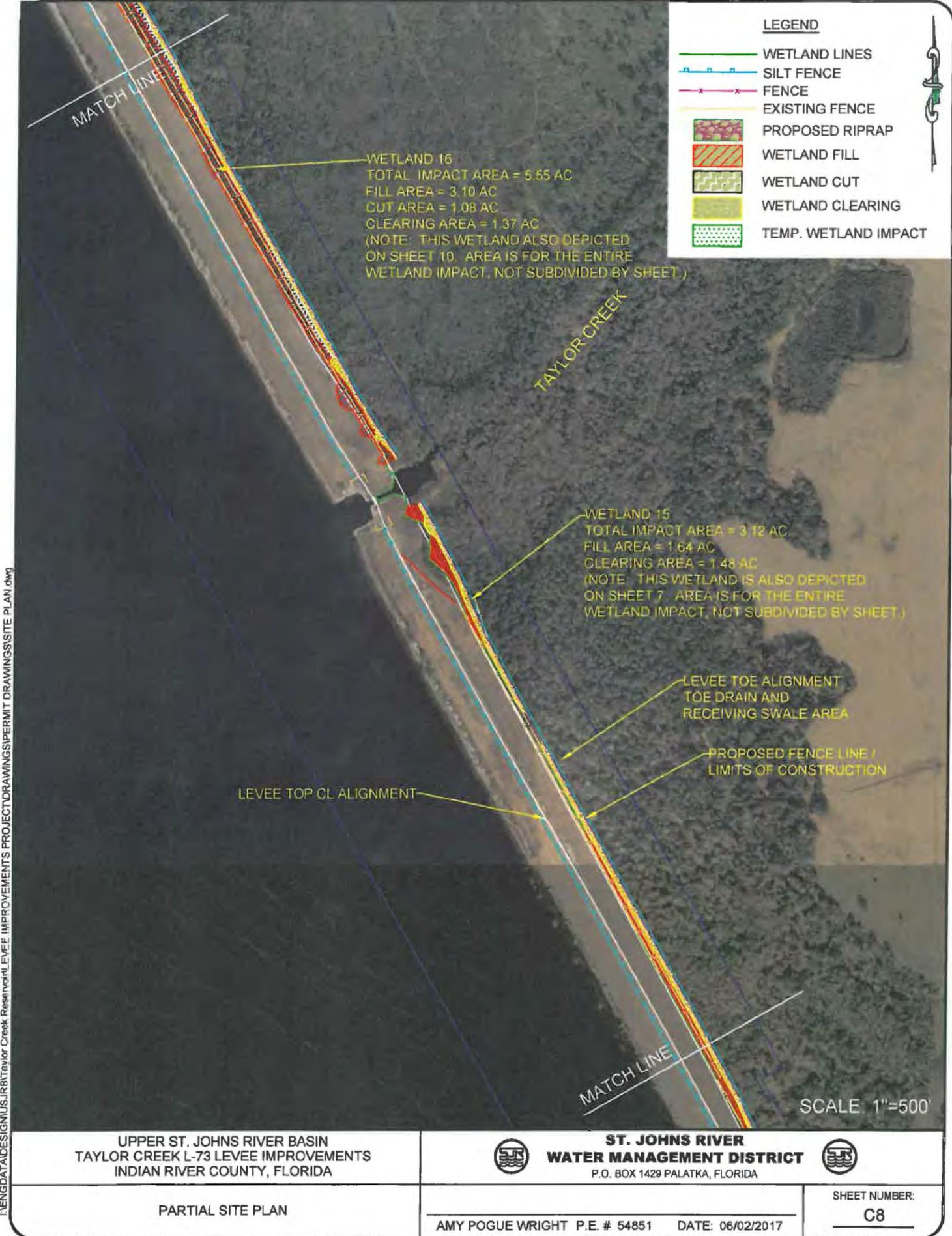
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**C3**

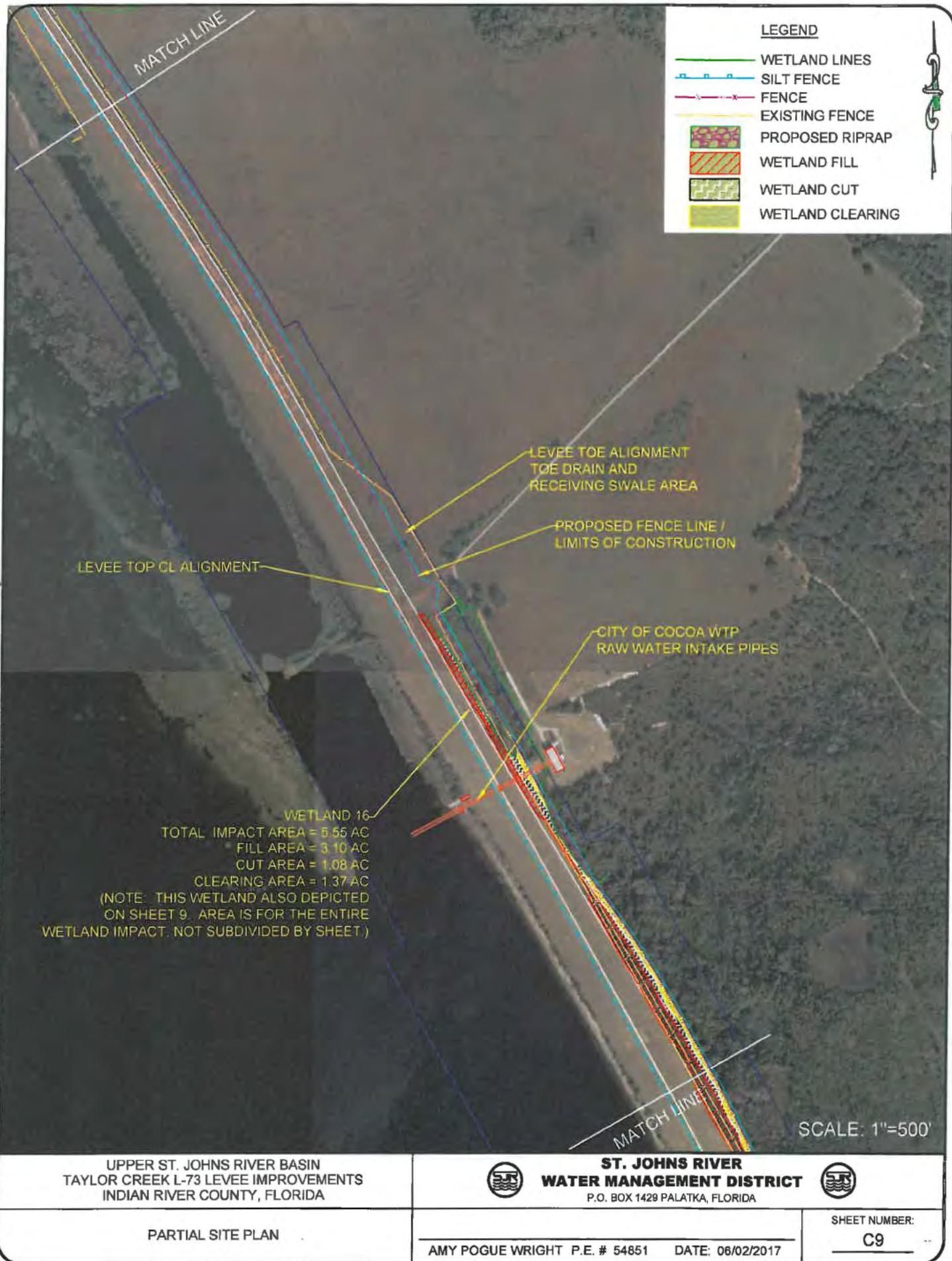


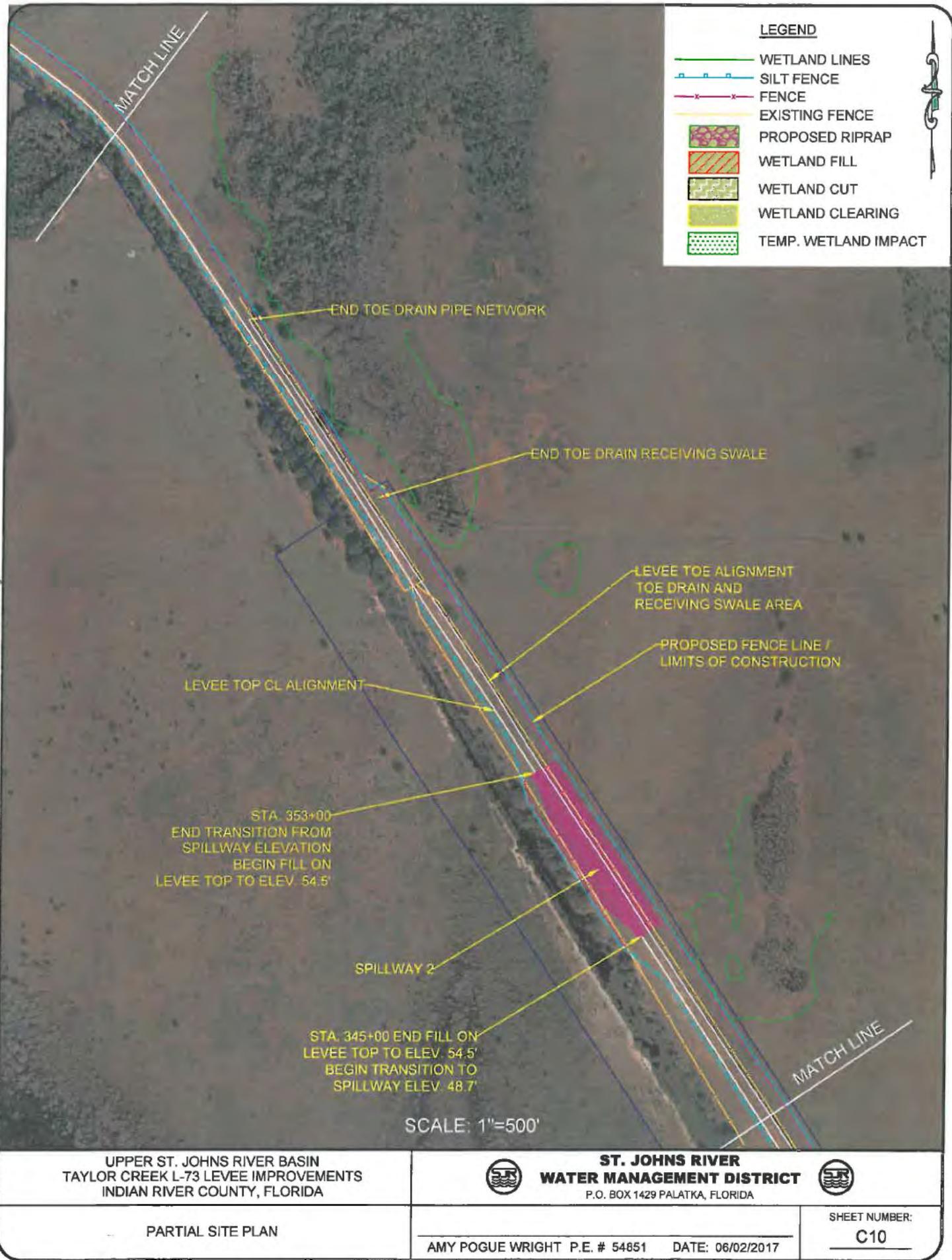


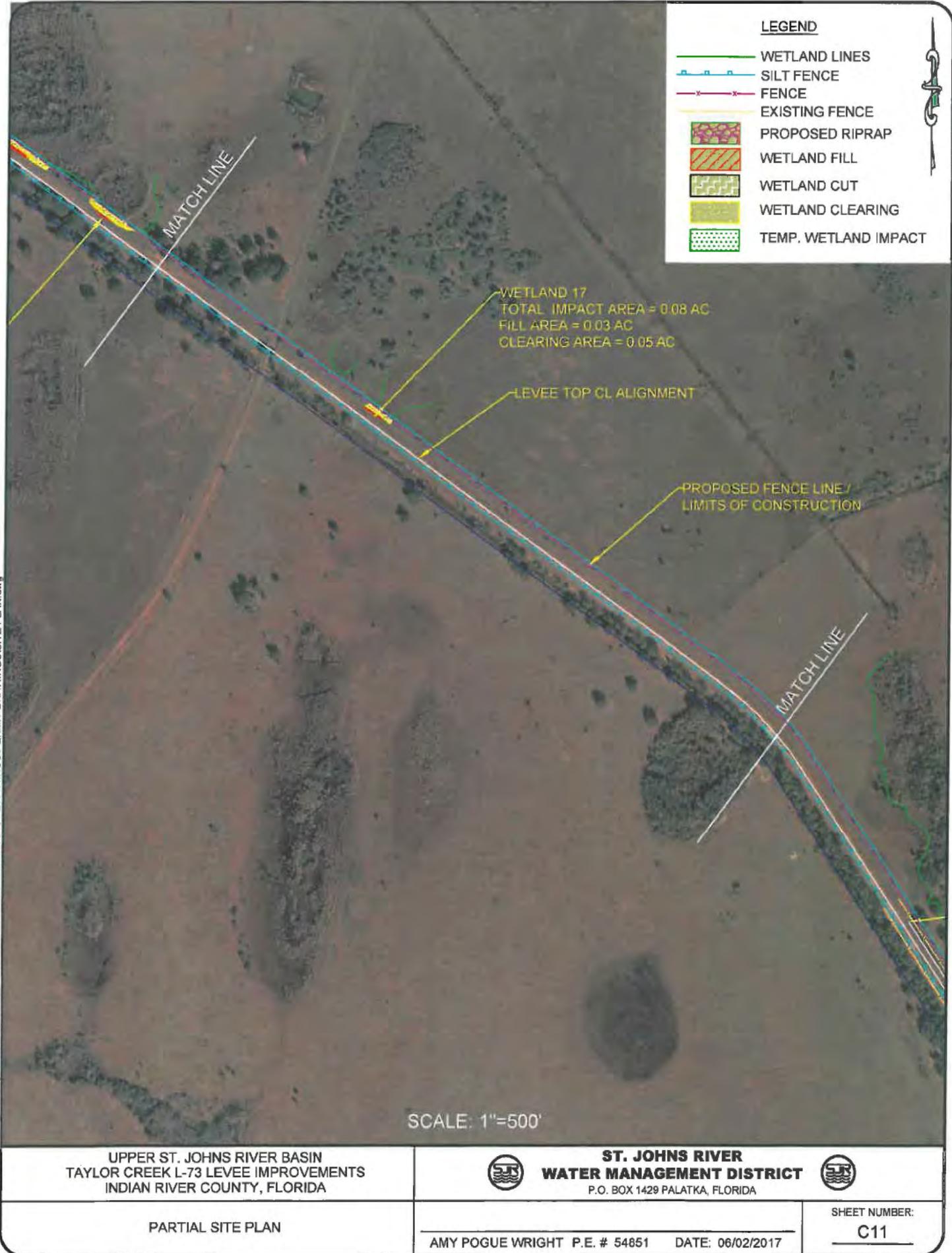


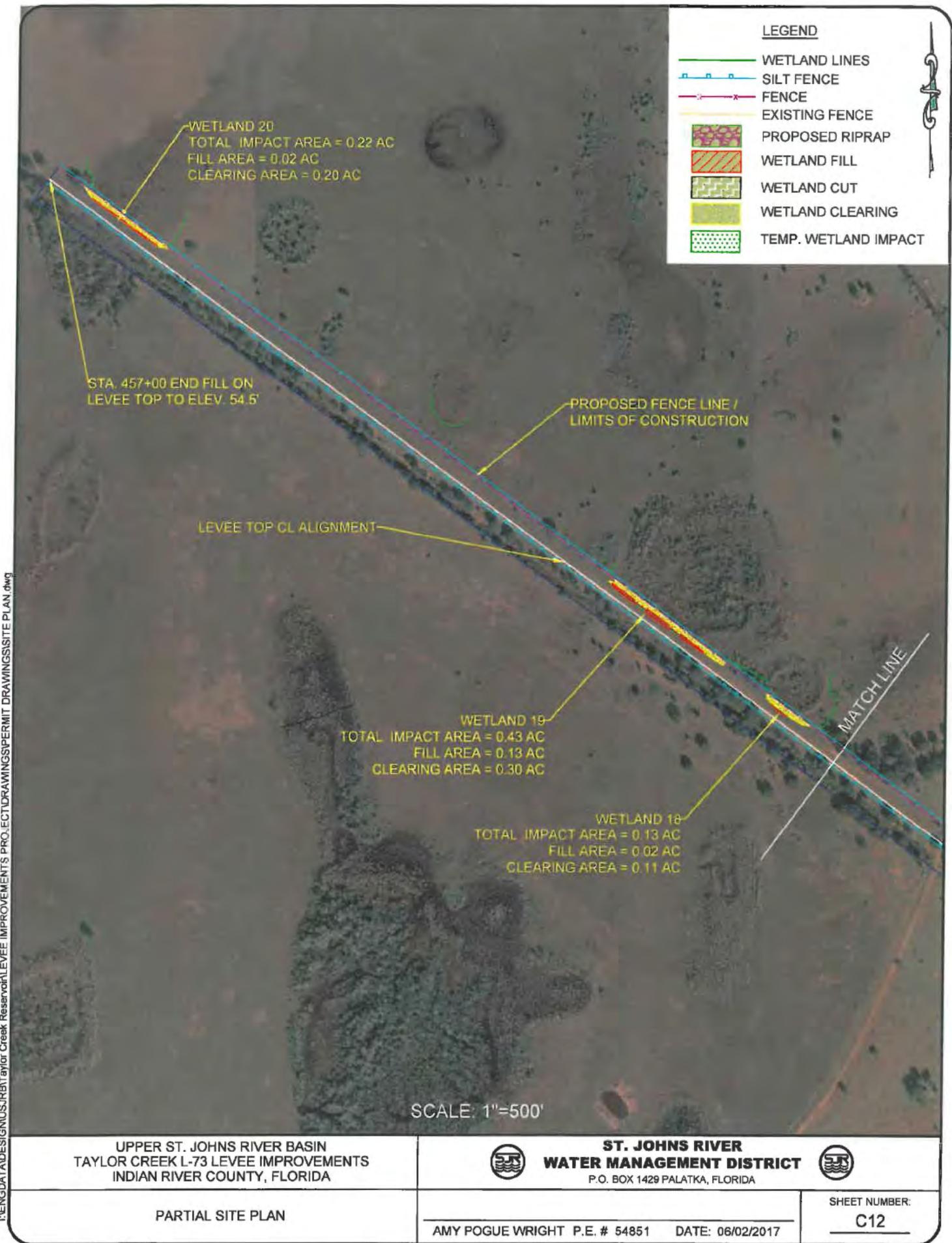


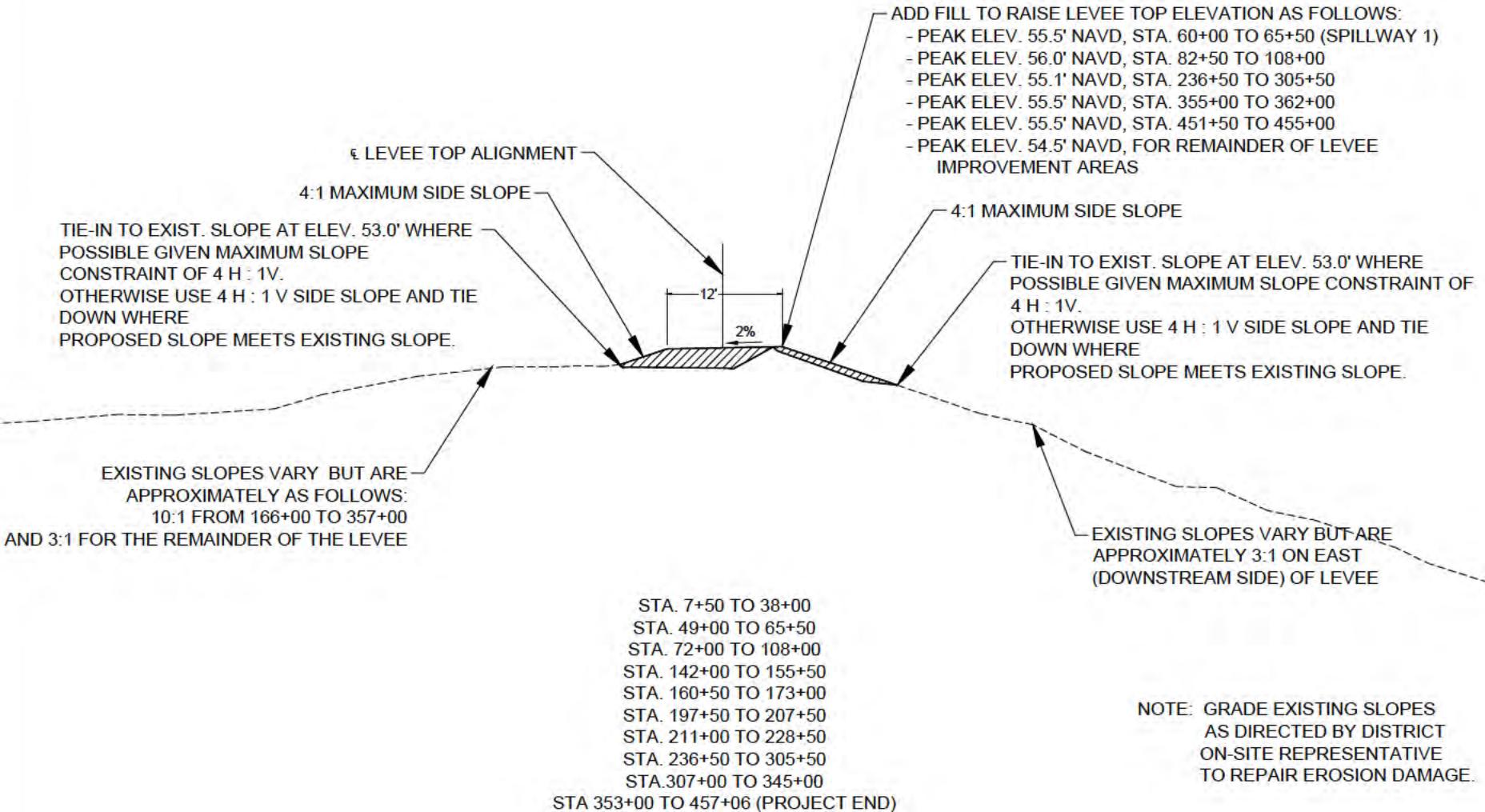












NOT TO SCALE

UPPER ST. JOHNS RIVER BASIN  
TAYLOR CREEK L-73 LEVEE IMPROVEMENTS  
INDIAN RIVER COUNTY, FLORIDA

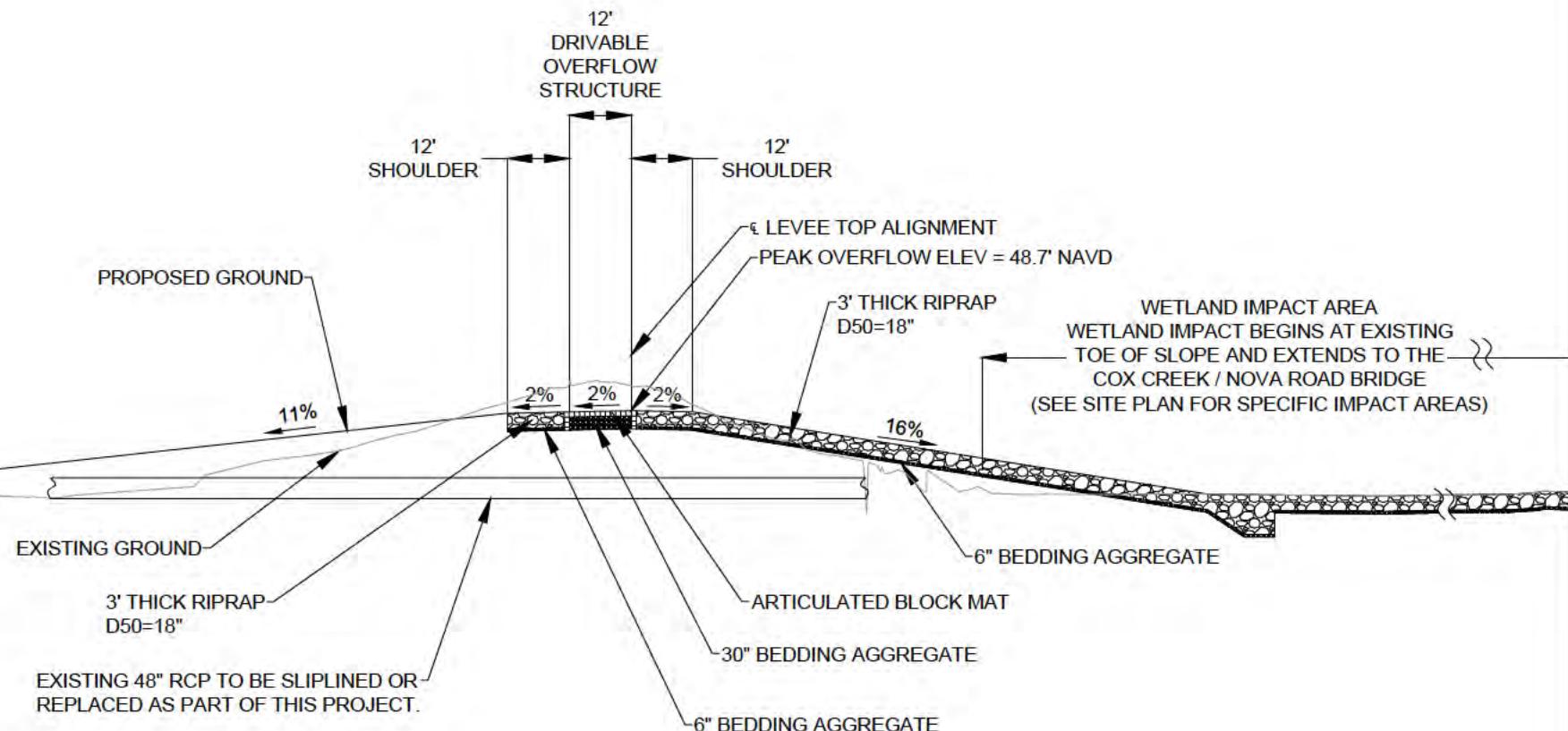
TYPICAL SECTION  
LEVEE TOP W/ NO TOE DRAIN OR SWALE  
NO WETLAND IMPACTS

**ST. JOHNS RIVER  
WATER MANAGEMENT DISTRICT**  
P.O. BOX 1429 PALATKA, FLOR DA



AMY POGUE WRIGHT P.E. # 54851 DATE: 06/02/2017

SHEET NUMBER:  
**C13**



NOT TO SCALE

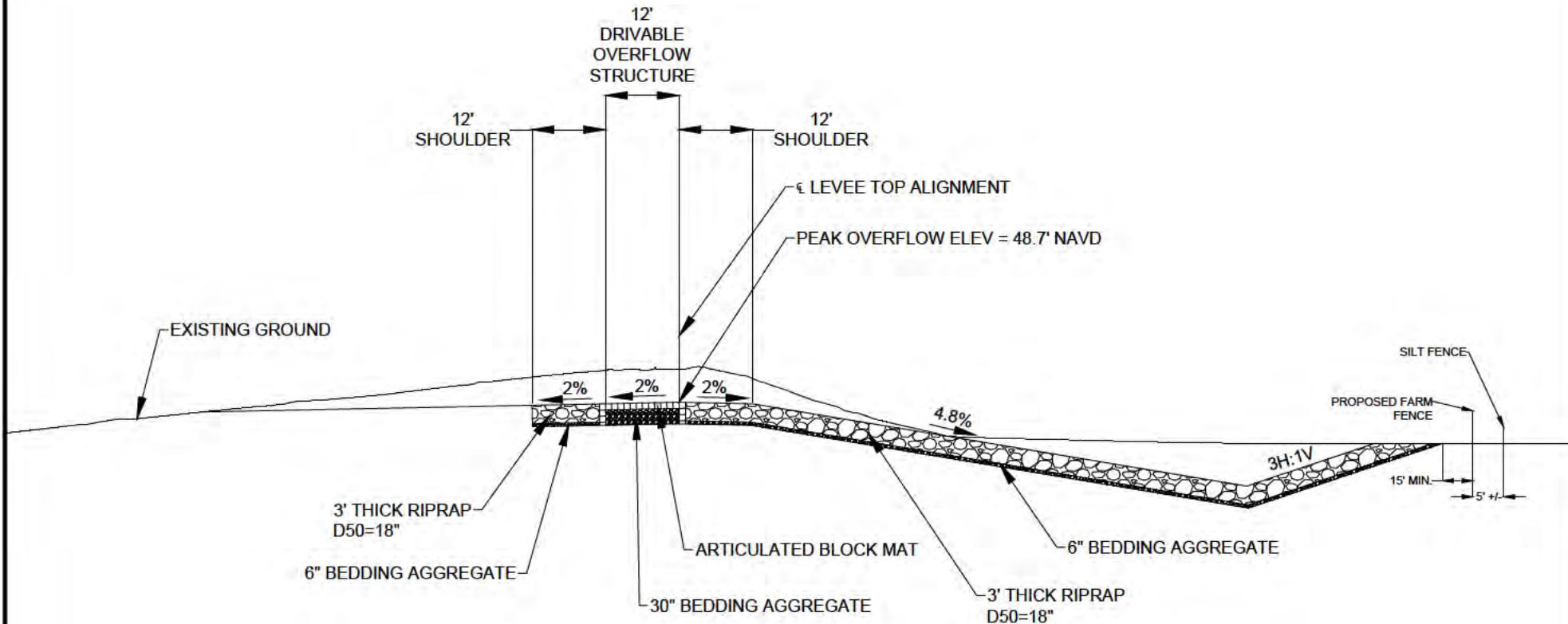
UPPER ST. JOHNS RIVER BASIN  
TAYLOR CREEK L-73 LEVEE IMPROVEMENTS  
INDIAN RIVER COUNTY, FLORIDA

TYPICAL SECTION  
SPILLWAY 1 (SOUTH SPILLWAY AT COX CREEK)  
WETLAND 3

 ST. JOHNS RIVER  
WATER MANAGEMENT DISTRICT  
P.O. BOX 1429 PALATKA, FLORIDA

AMY POGUE WRIGHT P.E. # 54851 DATE: 06/02/2017

SHEET NUMBER:  
C14



NOT TO SCALE

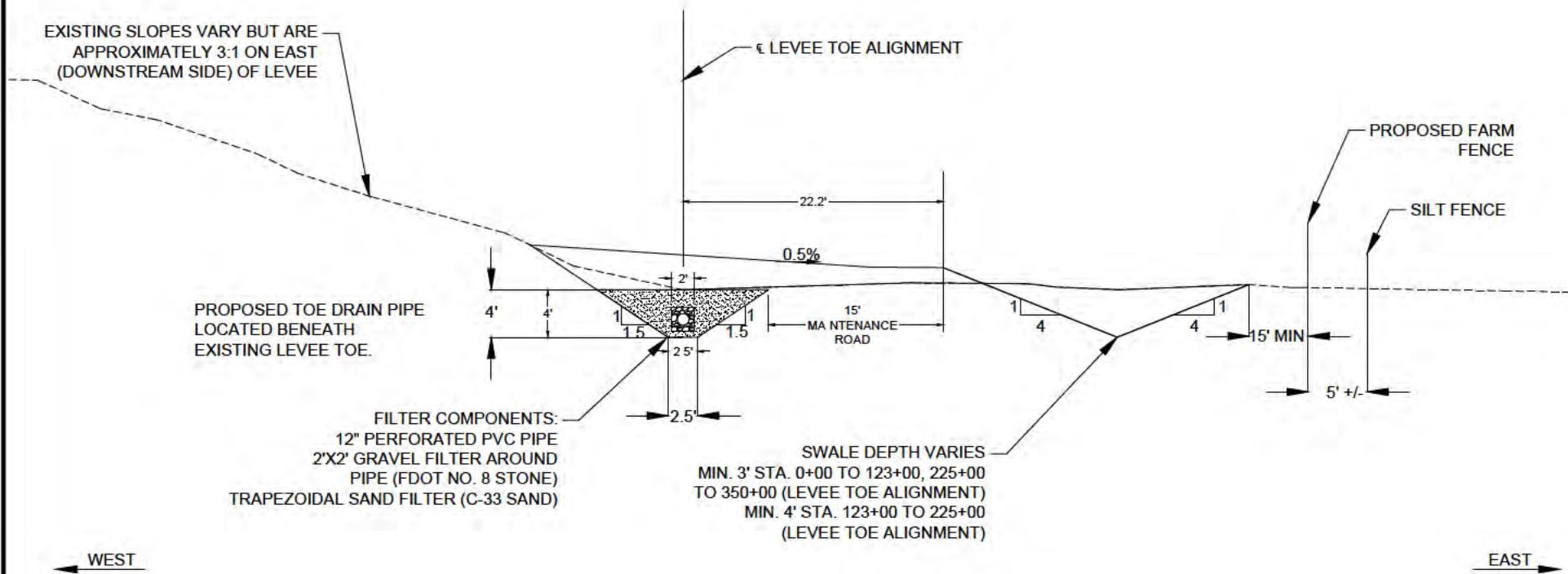
UPPER ST. JOHNS RIVER BASIN  
TAYLOR CREEK L-73 LEVEE IMPROVEMENTS  
INDIAN RIVER COUNTY, FLORIDA

TYPICAL SECTION  
SPILLWAY 2 (NORTH SPILLWAY)  
NO WETLAND IMPACTS

**ST. JOHNS RIVER  
WATER MANAGEMENT DISTRICT**  
P.O. BOX 1429 PALATKA, FLOR DA

AMY POGUE WRIGHT P.E. # 54851 DATE: 06/02/2017

SHEET NUMBER:  
**C15**



NOT TO SCALE

UPPER ST. JOHNS RIVER BASIN  
TAYLOR CREEK L-73 LEVEE IMPROVEMENTS  
INDIAN RIVER COUNTY, FLORIDA

TYPICAL SECTION  
UPLAND AREAS W/ TOE DRAIN AND SWALE

ST. JOHNS RIVER  
WATER MANAGEMENT DISTRICT  
P.O. BOX 1429 PALATKA, FLORIDA

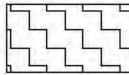


AMY POGUE WRIGHT P.E. # 54851 DATE: 06/02/2017

SHEET NUMBER:  
C16



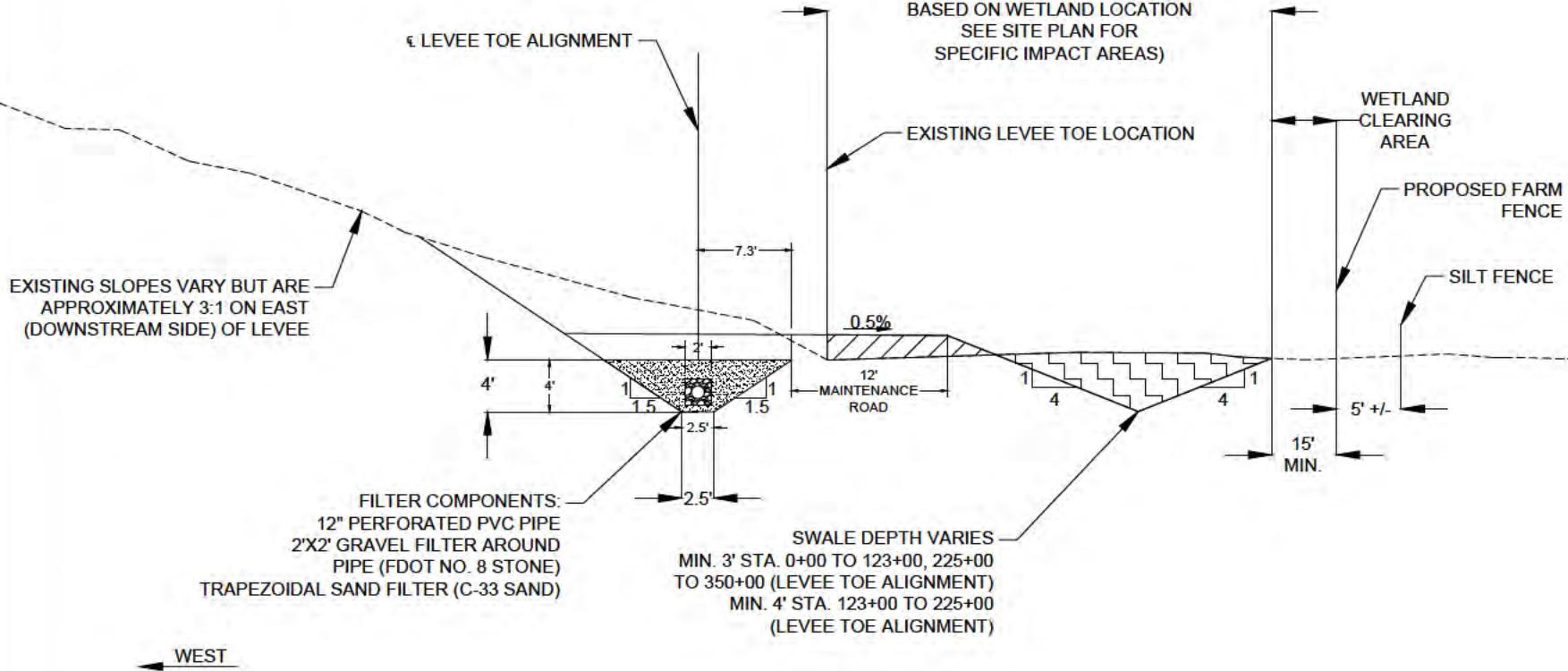
WETLAND FILL



WETLAND CUT

PROPOSED TOE DRAIN PIPE  
LOCATED 10' WEST OF EXISTING LEVEE  
TOE TO MINIMIZE WETLAND IMPACT AREA.

POTENTIAL WETLAND CUT & FILL IMPACT AREA  
(WETLAND IMPACTS VARY  
BASED ON WETLAND LOCATION  
SEE SITE PLAN FOR  
SPECIFIC IMPACT AREAS)



NOT TO SCALE

UPPER ST. JOHNS RIVER BASIN  
TAYLOR CREEK L-73 LEVEE IMPROVEMENTS  
INDIAN RIVER COUNTY, FLORIDA

TYPICAL SECTION  
WETLAND AREAS W/ TOE DRAIN AND SWALE  
WETLANDS 2, 5, 6, 7, 8, 9, 10, 11, 12, AND 13

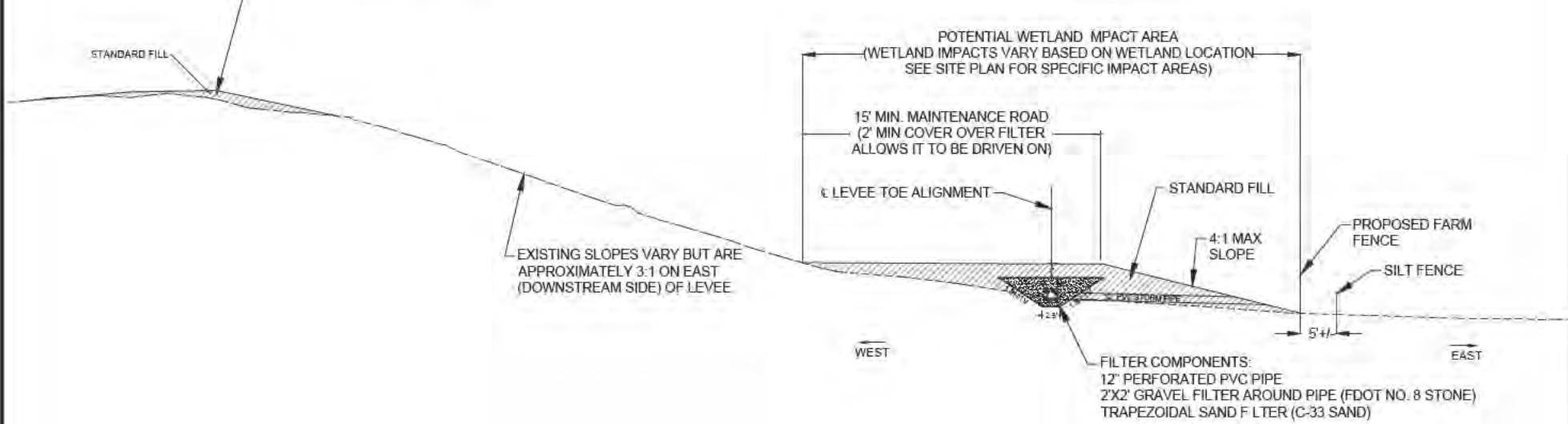
ST. JOHNS RIVER  
WATER MANAGEMENT DISTRICT  
P.O. BOX 1429 PALATKA, FLORIDA



AMY POGUE WRIGHT P.E. # 54851 DATE: 06/02/2017

SHEET NUMBER:  
C17

ADD FILL TO RAISE LEVEE TOP ELEVATION AS FOLLOWS:  
 - PEAK ELEV. 55.5' NAVD, STA. 60+00 TO 65+50 (SP LLWAY 1)  
 - PEAK ELEV. 56.0' NAVD, STA. 82+50 TO 108+00  
 - PEAK ELEV. 55.1' NAVD, STA. 236+50 TO 305+50  
 - PEAK ELEV. 55.5' NAVD, STA. 355+00 TO 362+00  
 - PEAK ELEV. 55.5' NAVD, STA. 451+50 TO 455+00  
 - PEAK ELEV. 54.5' NAVD, FOR REMAINDER OF LEVEE IMPROVEMENT AREAS



NOT TO SCALE

UPPER ST. JOHNS RIVER BASIN  
 TAYLOR CREEK L-73 LEVEE IMPROVEMENTS  
 INDIAN RIVER COUNTY, FLORIDA

TYPICAL SECTION  
 WETLAND AREAS W/ TOE DRAIN BUT NO SWALE  
 WETLANDS 1, 4, 14 AND 15

**ST. JOHNS RIVER  
 WATER MANAGEMENT DISTRICT**  
 P.O. BOX 1429 PALATKA, FLORIDA

AMY POGUE WRIGHT P.E. # 54851 DATE: 06/02/2017

SHEET NUMBER:  
**C18**

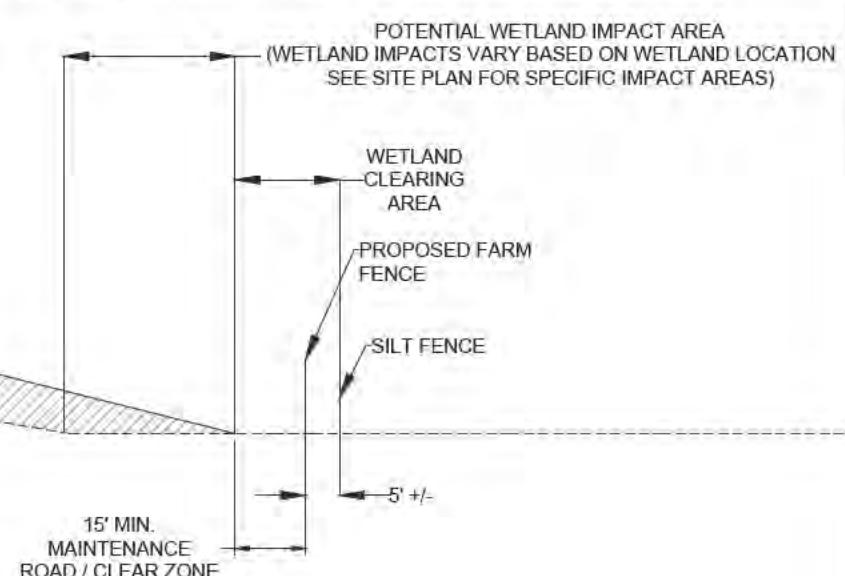
ADD FILL TO RAISE LEVEE TOP ELEVATION AS FOLLOWS:

- PEAK ELEV. 55.5' NAVD, STA. 58+00 TO 65+50 (SPILLWAY 1)
  - PEAK ELEV. 57.0' NAVD, STA. 79+00 TO 104+00
  - PEAK ELEV. 56.0' NAVD, STA. 104+00 TO 111+00
  - PEAK ELEV. 55.5' NAVD, STA. 111+00 TO 145+00
  - PEAK ELEV. 57.0' NAVD, STA. 352+00 TO 359+00
  - PEAK ELEV. 56.0' NAVD, STA. 359+00 TO 365+50
  - PEAK ELEV. 55.0' NAVD, STA. 365+50 TO 372+50
  - PEAK ELEV. 55.0' NAVD, STA. 400+00 TO 448+00
  - PEAK ELEV. 55.5' NAVD, STA. 448+00 TO 455+50
- PEAK ELEV. 54.5' NAVD, FOR REMAINDER OF LEVEE IMPROVEMENT AREAS

STANDARD FILL

EXISTING SLOPES VARY BUT ARE APPROXIMATELY 3:1 ON EAST (DOWNSTREAM SIDE) OF LEVEE

4:1 MAXIMUM SIDE SLOPE



NOT TO SCALE

UPPER ST. JOHNS RIVER BASIN  
TAYLOR CREEK L-73 LEVEE IMPROVEMENTS  
INDIAN RIVER COUNTY, FLORIDA

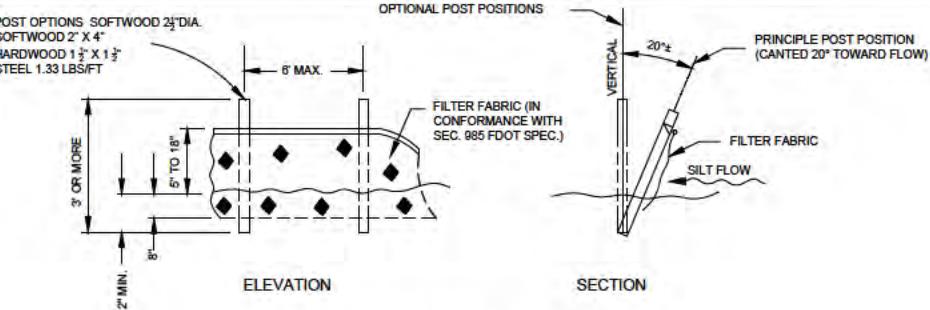
TYPICAL SECTION  
WETLAND AREAS W/ NO FILTER OR SWALE  
WETLANDS 17, 18, 19 AND 20

 ST. JOHNS RIVER  
WATER MANAGEMENT DISTRICT  
P.O. BOX 1429 PALATKA, FLORIDA

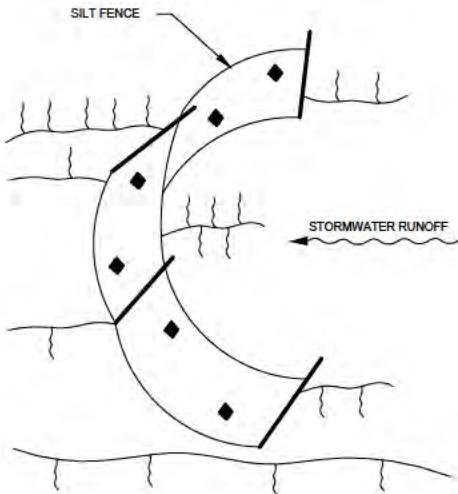


AMY POGUE WRIGHT P.E. # 54851 DATE: 06/02/2017

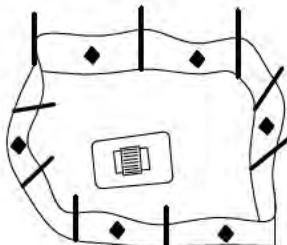
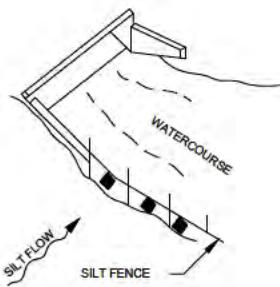
SHEET NUMBER:  
C19



TYPE III SILT FENCE



SILT FENCE PROTECTION IN DITCHES WITH INTERMITTENT FLOW



SILT FENCE PROTECTION AROUND DITCH BOTTOM INLETS

## SILT FENCE APPLICATIONS

## NOTES FOR SILT FENCES

1. TYPE III SILT FENCE TO BE USED AT MOST LOCATIONS. WHERE USED IN DITCHES, THE SPACING FOR TYPE III SILT FENCE SHALL BE IN ACCORDANCE WITH CHART 1, SHEET 1 (FDOT INDEX NO. 102).
2. TYPE IV SILT FENCE TO BE USED WHERE LARGE SEDIMENT LOADS ARE ANTICIPATED. SUGGESTED USE IS WHERE FILL SLOPE IS 12 OR STEEPER AND LENGTH OF SLOPE EXCEEDS 25 FEET. AVOID USE WHERE THE DETAINED WATER MAY BACK INTO TRAVEL LANES OR OFF THE RIGHT OF WAY.
3. DO NOT CONSTRUCT SILT FENCES ACROSS PERMANENT FLOWING WATERCOURSES. SILT FENCES ARE TO BE AT UPLAND LOCATIONS AND TURBIDITY BARRIERS USED AT PERMANENT BODIES OF WATER.
4. WHERE USED AS SLOPE PROTECTION, SILT FENCE IS TO BE CONSTRUCTED ON 0% LONGITUDINAL GRADE TO AVOID CHANNELIZING RUNOFF ALONG THE LENGTH OF THE FENCE.
5. SILT FENCE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR STAKED SILT FENCE, (LF).

## TEMPORARY SILT FENCE DETAIL

NOT TO SCALE

UPPER ST. JOHNS RIVER BASIN  
TAYLOR CREEK L-73 LEVEE IMPROVEMENTS  
INDIAN RIVER COUNTY, FLORIDA

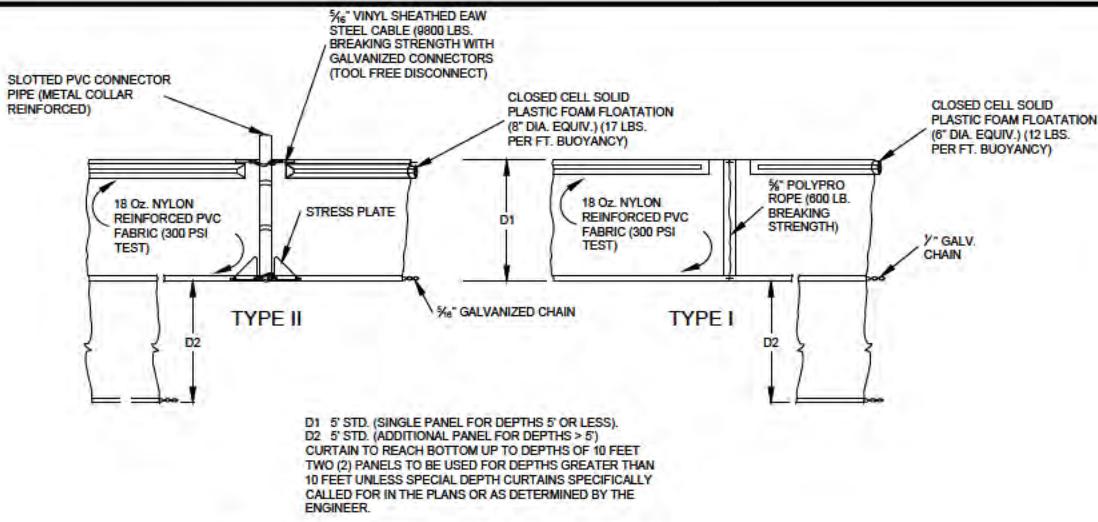
ST. JOHNS RIVER  
WATER MANAGEMENT DISTRICT  
P.O. BOX 1429 PALATKA, FLORIDA



EROSION &amp; SEDIMENTATION CONTROL

AMY POGUE WRIGHT P.E. # 54851 DATE: 06/02/2017

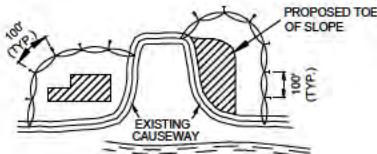
SHEET NUMBER:  
C20



NOTICE: COMPONENTS OF TYPE I AND II MAY BE SIMILAR OR IDENTICAL TO  
PROPRIETARY DESIGN. 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.

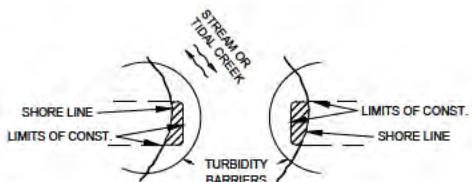
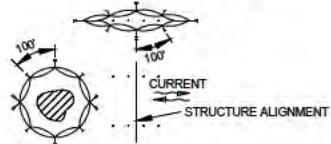
### FLOATING TURBIDITY BARRIERS

NOT TO SCALE



#### GENERAL NOTES

1. FLOATING TURBIDITY BARRIERS ARE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR FLOATING TURBIDITY BARRIER, LF.
2. STAKED TURBIDITY BARRIERS ARE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR STAKED TURBIDITY BARRIER, LF.



#### NOTES

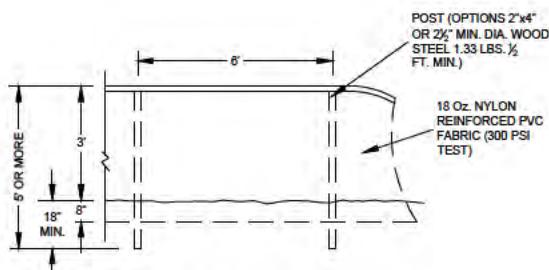
1. TURBIDITY BARRIERS ARE TO BE USED IN ALL PERMANENT BODIES OF WATER REGARDLESS OF WATER DEPTH.
2. NUMBER AND SPACING OF ANCHORS DEPENDENT ON CURRENT VELOCITIES.
3. DEPLOYMENT OF BARRIER AROUND PILE LOCATIONS MAY VARY TO ACCOMMODATE CONSTRUCTION OPERATIONS.
4. NAVIGATION MAY REQUIRE SEGMENTING BARRIER DURING CONSTRUCTION OPERATIONS.
5. TURBIDITY BARRIERS SHALL CONFORM TO SECTION 104 OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.

#### LEGEND

- PILE LOCATIONS
- ▨ DREDGE OR FILL AREA
- MOORING BUOY W/ANCHOR
- ANCHOR
- ↔ BARRIER MOVEMENT DUE TO CURRENT ACTION

### TURBIDITY BARRIER APPLICATIONS

NOT TO SCALE



#### NOTES

TURBIDITY BARRIERS FOR FLOWING STREAMS AND TIDAL CREEKS MAY BE EITHER FLOATING, OR STAKED TYPES OR ANY COMBINATIONS OF TYPES THAT WILL SUIT SITE CONDITIONS AND MEET EROSION CONTROL AND WATER QUALITY REQUIREMENTS. THE BARRIER TYPE(S) WILL BE AT THE CONTRACTORS OPTIONS UNLESS OTHERWISE SPECIFIED IN THE PLANS, HOWEVER PAYMENT WILL BE UNDER THE PAY ITEM(S) ESTABLISHED IN THE PLANS FOR FLOATING TURBIDITY BARRIERS TO BE INSTALLED IN VERTICAL POSITION UNLESS OTHERWISE DIRECTED BY THE DISTRICT.

### STAKED TURBIDITY BARRIER



ST. JOHNS RIVER  
WATER MANAGEMENT DISTRICT  
P.O. BOX 1429 PALATKA, FLOR DA

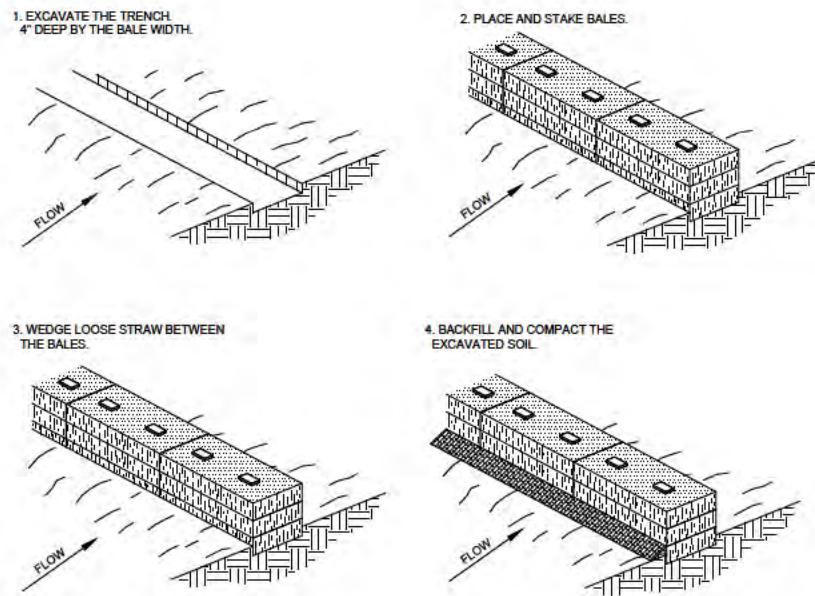


UPPER ST. JOHNS RIVER BASIN  
TAYLOR CREEK L-73 LEVEE IMPROVEMENTS  
INDIAN RIVER COUNTY, FLORIDA

EROSION & SEDIMENTATION CONTROL

AMY POGUE WRIGHT P.E. # 54851 DATE: 06/02/2017

SHEET NUMBER:  
C21

NOTES:

1. INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
2. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

**HAY BALE BARRIER**

NOT TO SCALE

EROSION AND SEDIMENT CONTROL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING SILT FROM SITE IF NOT REUSABLE ON-SITE AND ASSURING PLAN ALIGNMENT AND GRADE IN ALL WORK AT COMPLETION OF CONSTRUCTION.
2. ON-SITE PROTECTION IN ADDITION TO THE ABOVE MUST BE PROVIDED THAT WILL NOT PERMIT SILT TO LEAVE THE PROJECT CONFINES DUE TO UNSEEN CONDITIONS OR ACCIDENTS.
3. THE FILTER BARRIER SHALL BE ENTRENCHED AND BACKFILLED. A TRENCH SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 8 INCHES. THE EXCAVATED SOIL SHALL BE BACKFILLED AND COMPAKTED AGAINST THE FILTER BARRIER.
4. SILT FENCES AND FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
5. SHOULD THE FABRIC ON A SILT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED IMMEDIATELY.
6. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED AND GRASSED.
7. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING THE BEST EROSION AND SEDIMENT CONTROL PRACTICES AS OUTLINED IN THE PLANS, SPECIFICATIONS, PERMITS, AND ST. JOHNS RIVER WATER MANAGEMENT DISTRICT CRITERIA.
8. FOR ADDITIONAL INFORMATION ON SEDIMENT AND EROSION CONTROL REFER TO THE FLORIDA DEVELOPMENT MANUAL - A GUIDE TO SOUND LAND AND WATER MANAGEMENT FROM THE STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (F.D.E.P.) CHAPTER 6, LATEST EDITION.
9. ALL DISTURBED AREAS SHALL BE GRASSED, FERTILIZED, WATERED AND MAINTAINED UNTIL A PERMANENT VEGETATIVE COVER IS ESTABLISHED. GRASSING SHALL CONFORM TO THE REQUIREMENTS OF SECTIONS 570 AND 981 THRU 983 OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITIONS. NOTE THAT BAHIA SHALL NOT BE ALLOWED. OTHER GRASSING ALTERNATIVES MAY BE USED WITH PRIOR DISTRICT APPROVAL.

UPPER ST. JOHNS RIVER BASIN  
TAYLOR CREEK L-73 LEVEE IMPROVEMENTS  
INDIAN RIVER COUNTY, FLORIDA

EROSION &amp; SEDIMENTATION CONTROL

**ST. JOHNS RIVER  
WATER MANAGEMENT DISTRICT**  
P.O. BOX 1429 PALATKA, FLORIDA

AMY POGUE WRIGHT P.E. # 54851 DATE: 06/02/2017

SHEET NUMBER:  
**C22**