CORPS PERMIT DRAWING SET FOR

ESTERO NORTH POINT

PART OF SECTION 33, TOWNSHIP 46 SOUTH, RANGE 25 EAST, LEE COUNTY, FLORIDA

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OWNER/DEVELOPER

ESTERO NORTH POINT, LTD.

4200 GULF SHORE BLVD NORTH
NAPLES, FLORIDA 34103
(239) 261-6100

NOTE: FOR PERMITTING PURPOSES ONLY. NOT FOR CONSTRUCTION

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2600 Golden Gate Parkway
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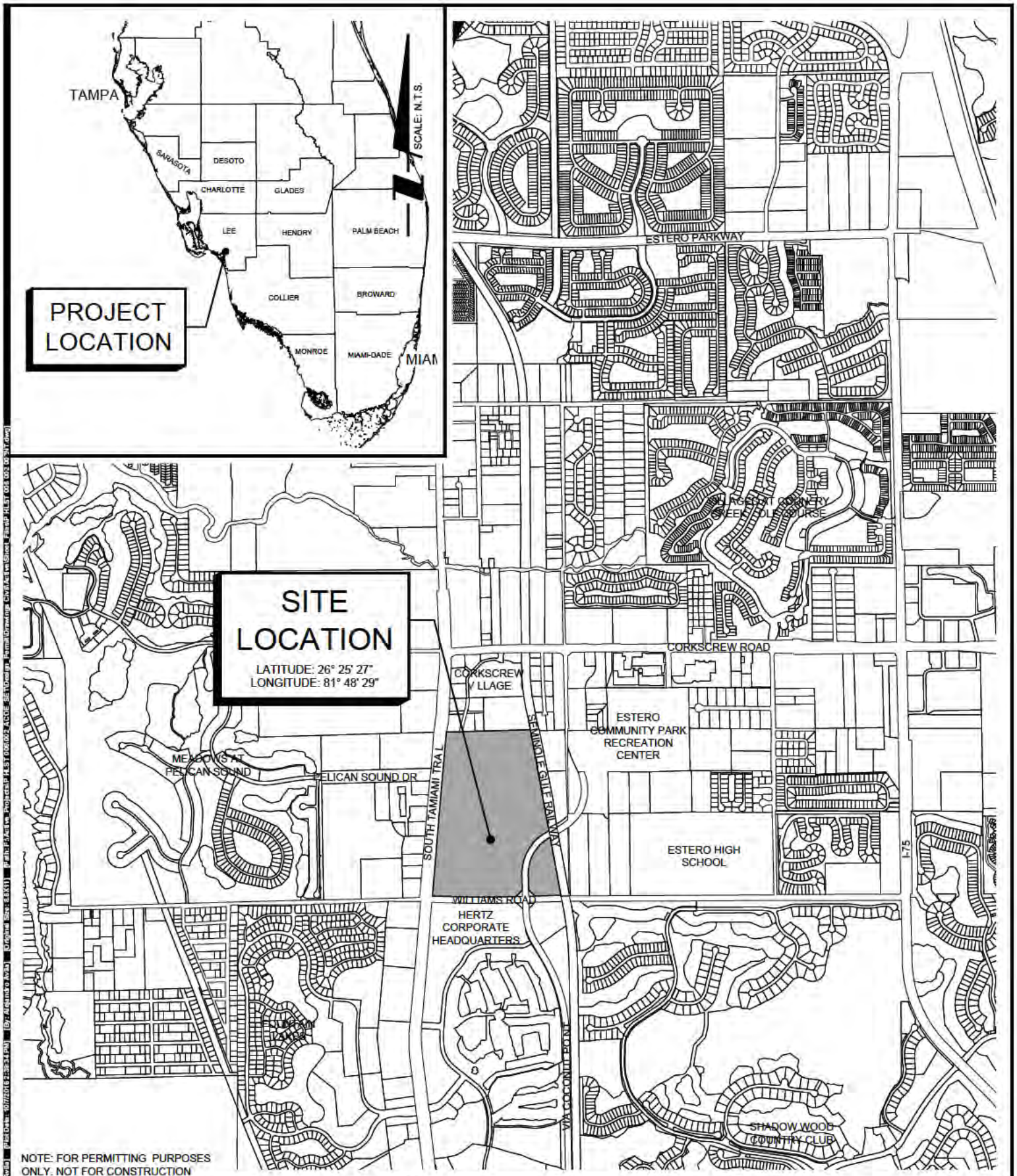
Florida Certificate of Authorization #28275

OWNER/CLIENT/CONSULTANT: ESTERO NORTH POINT, LTD.

PROJECT: ESTERO NORTH POINT

TITLE: COVER SHEET

SEC: 33	TWP:46S RGE: 25E
Designed by:	BRUCE LAYMAN
Drawn by:	ALEJANDRO AVILA
Date:	SEPTEMBER 2016
Drawing Scale:	N.T.S.
Project Number:	P-HLST-006-002
File Number:	P-HLST-006-002-001CV
Sheet Number:	C-001 01 of 07



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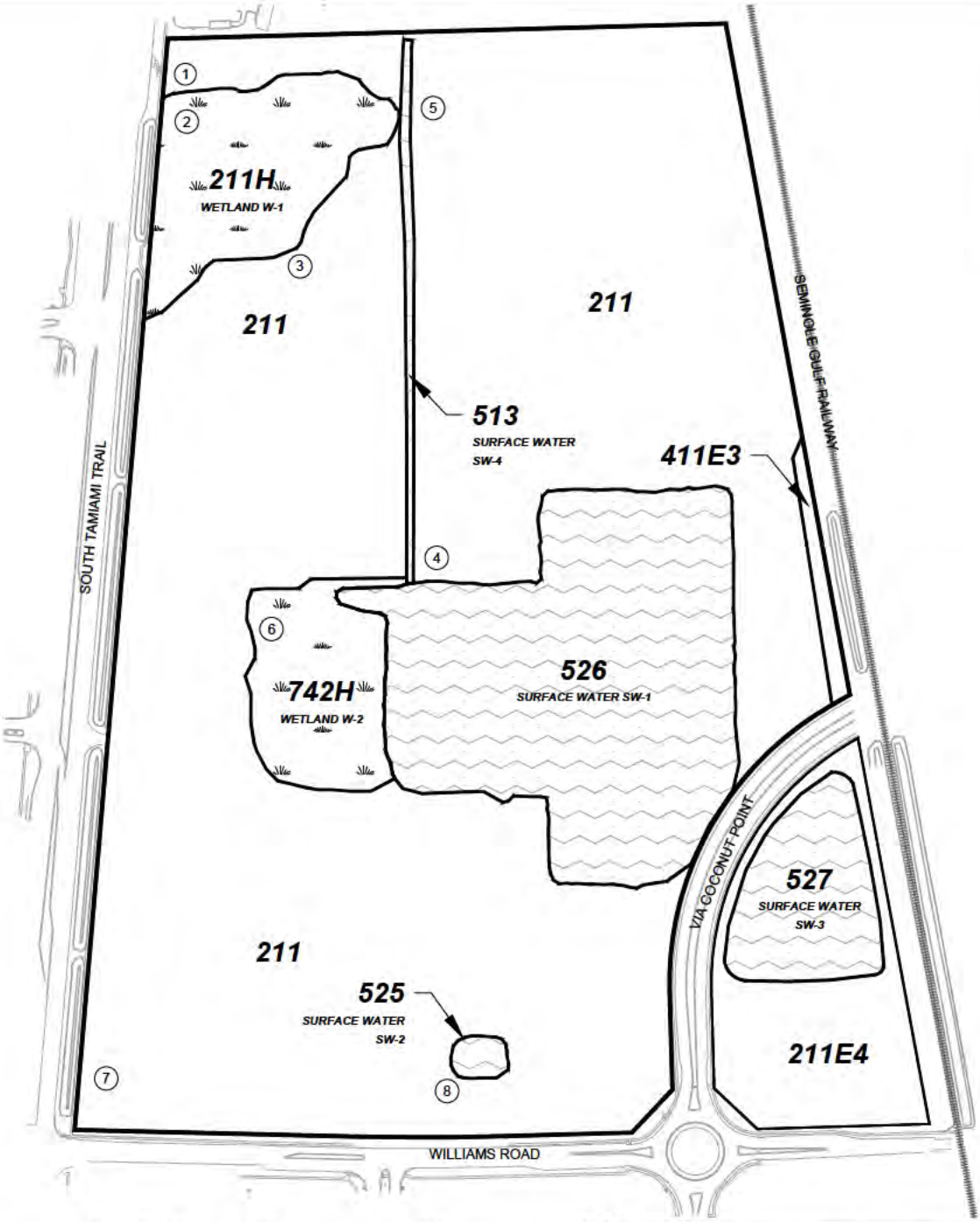
OWNER/CLIENT/CONSULTANT: ESTERO NORTH POINT, LTD.

PROJECT: ESTERO NORTH POINT

TITLE: LOCATION MAP

SEC: 33	TWP: 46S RGE: 25E
Designed by:	BRUCE LAYMAN
Drawn by:	ALEJANDRO AVILA
Date:	SEPTEMBER 2016
Drawing Scale:	N.T.S.
Project Number:	P-HLST-006-002
File Number:	P-HLST-006-002-002NT
Sheet Number:	C-002 02 of 07



NOTE: CORPS WETLAND LIMITS ESTABLISHED DURING PRIOR PERMITTING

0 100' 200' 400' 800' 1200'

LEGEND	
	PARCEL BOUNDARY
	FLUCCS LINE
	CORPS WETLAND
	EXIST NG SURFACE WATER
X	CORPS DATA FORM LOCATION AND NUMBER

FLUCCS CODE	DESCRIPTION	AREA (AC)
211	MPROVED PASTURE	68 31
211H	MPROVED PASTURE, HYDRIC	4.70
211E4	MPROVED PASTURE, EXOTICS > 75%	4 69
411E3	P NE FLATWOODS, PALMETTO UNDERSTORY, EXOTICS 50% - 74%	0 54
513	DITCH	0.61
525	CATTLE POND	0 28
526	BORROW PIT POND/LAKE	13.98
527	STORMWATER FEATURE	3.14
742H	BORROW AREA, HYDRIC	3.46
	TOTAL	99.71

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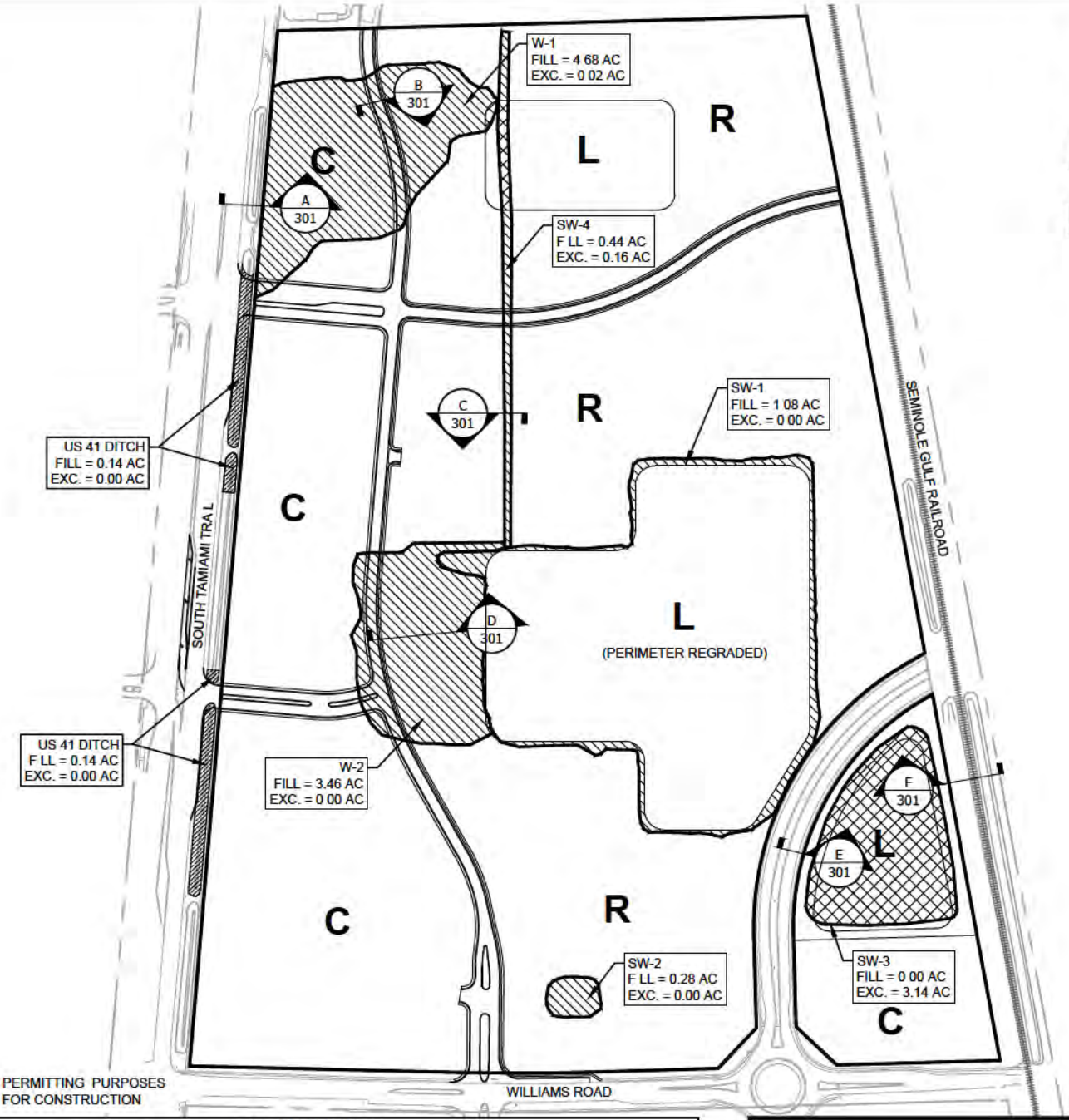
OWNER/CLIENT/CONSULTANT:
ESTERO NORTH POINT, LTD.

PROJECT:
ESTERO NORTH POINT

TITLE:
EXISTING CONDITIONS - WETLANDS AND FLUCCS

SEC: 33	TWP: 46S RGE: 25E
Designed by:	BRUCE LAYMAN
Drawn by:	ALEJANDRO AVILA
Date:	SEPTEMBER 2016
Drawing Scale:	1" = 200'
Project Number:	P-HLST-006-002
File Number:	P-HLST-006-002-101PL
Sheet Number:	C-101 03 of 07



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CORPS IMPACT

NUMBER	FILL (AC)	F LL (CY)	EXCAVATION (AC)	EXCAVATION (CY)	IMPACT (AC)	PRESERVE (AC)	TOTAL (AC)
WETLAND							
W-1	4.68	10,000	0.02	200	4.70	0.00	4.70
W-2	3.46	7,800	0.00	0	3.46	0.00	3.46
TOTAL	8.14	17,800	0.02	200	8.16	0.00	8.16
SURFACE WATERS							
SW-1	1 08	5,000	0.00	0	1.08	*12.90	13.98
SW-2	0.28	3,000	0.00	0	0.28	0.00	0.28
SW-3	0.00	0	3.14	76,000	**3.14	*3.14	3.14
SW-4	0.44	1,100	0.16	4,000	0.61	0.00	0.61
US 41 DITCH	0.28	1,400	0.00	0	0.28	0.00	0.28
TOTAL	2.08	10,500	3.30	80,000	5.39	16.04	18.29

* ACREAGE REMA N NG. LAKE IS NOT A PRESERVE.
** EXISTING SURFACE WATER EXCAVATED TO CREATE LAKE.

LEGEND

- FILL - CORPS WETLANDS/WATERS OF THE US
- EXCAVATION - CORPS WATERS OF THE US
- US 41 DITCH
- W-1 — CORPS WETLAND NUMBER
- SW-1 — CORPS OTHER WATERS OF THE US NUMBER
- L — PROPOSED LAKE
- R — PROPOSED RESIDENTIAL
- C — PROPOSED COMMERCIAL

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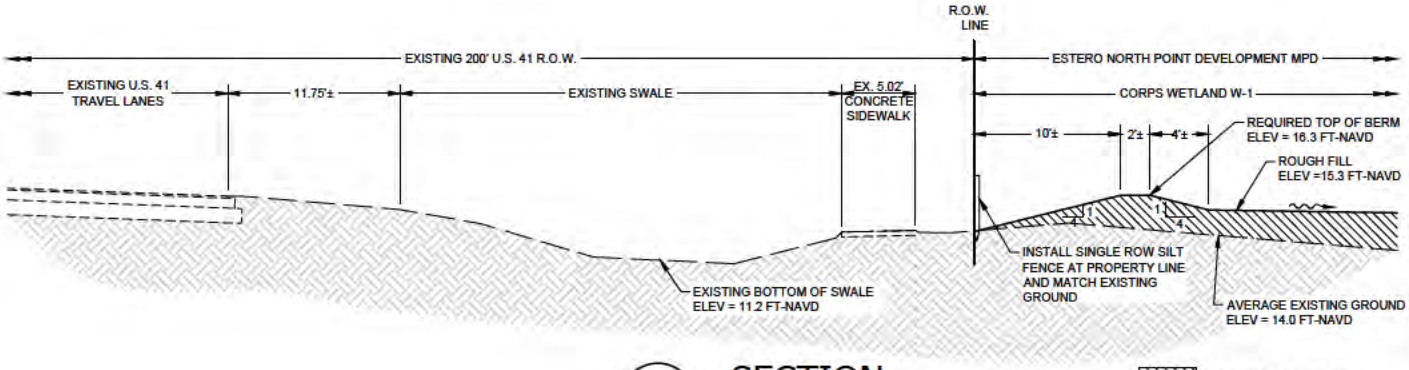
OWNER/CLIENT/CONSULTANT: ESTERO NORTH POINT, LTD.

PROJECT: ESTERO NORTH POINT

TITLE: PROPOSED CONDITIONS - WETLAND-WATERS OF US IMPACTS

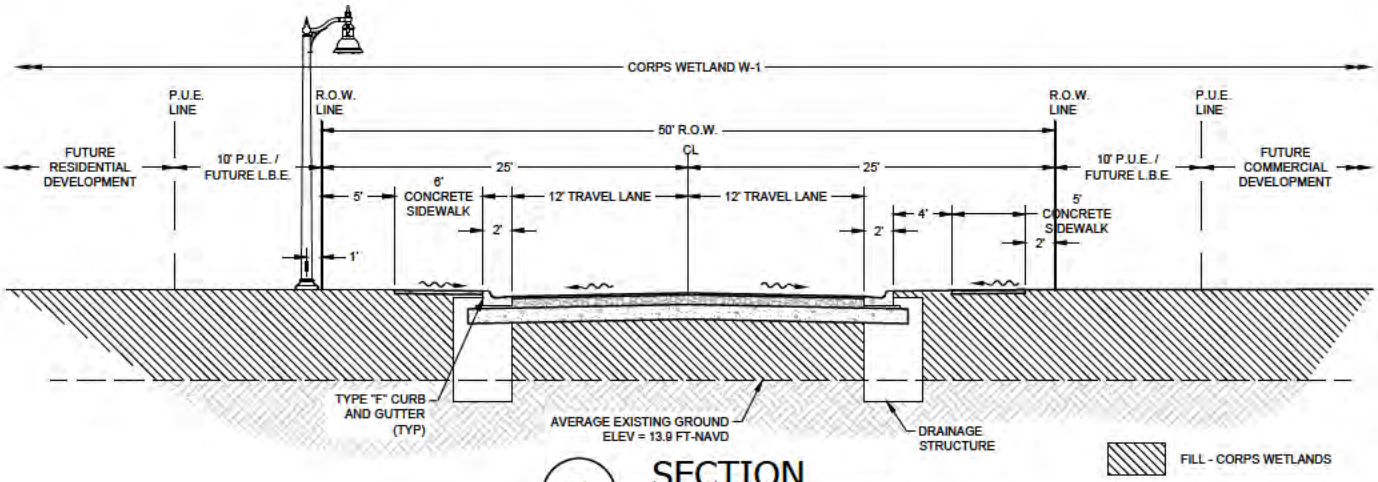
SEC: 33	TWP: 46S RGE: 25E
Designed by:	BRUCE LAYMAN
Drawn by:	ALEJANDRO AVILA
Date:	SEPTEMBER 2016
Drawing Scale:	1" = 200'
Project Number:	P-HLST-006-002
File Number:	P-HLST-006-002-111SP
Sheet Number:	C-111 04 of 07



A SECTION

Scale: 1" = 10'

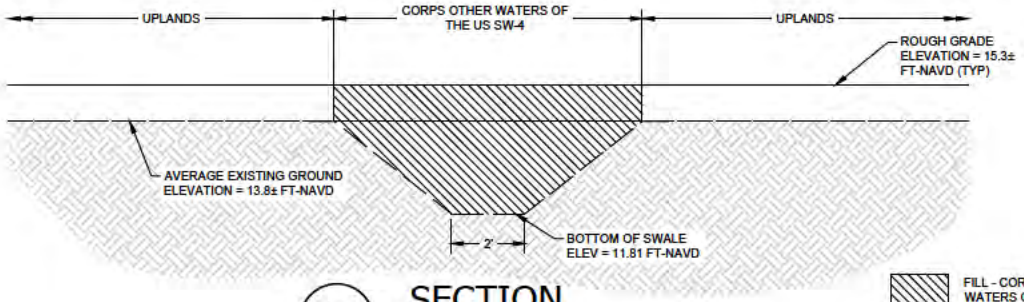
FILL - CORPS WETLANDS



B SECTION

Scale: 1" = 10'

FILL - CORPS WETLANDS



C SECTION

Scale: 1" = 10'

FILL - CORPS OTHER WATERS OF THE US

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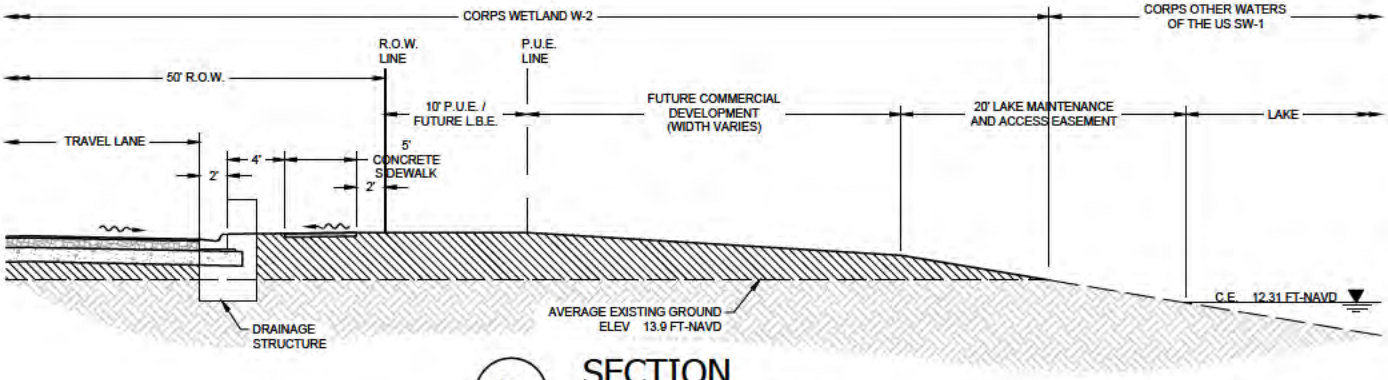
OWNER/CLIENT/CONSULTANT: ESTERO NORTH POINT, LTD.

PROJECT: ESTERO NORTH POINT

TITLE: CROSS SECTIONS

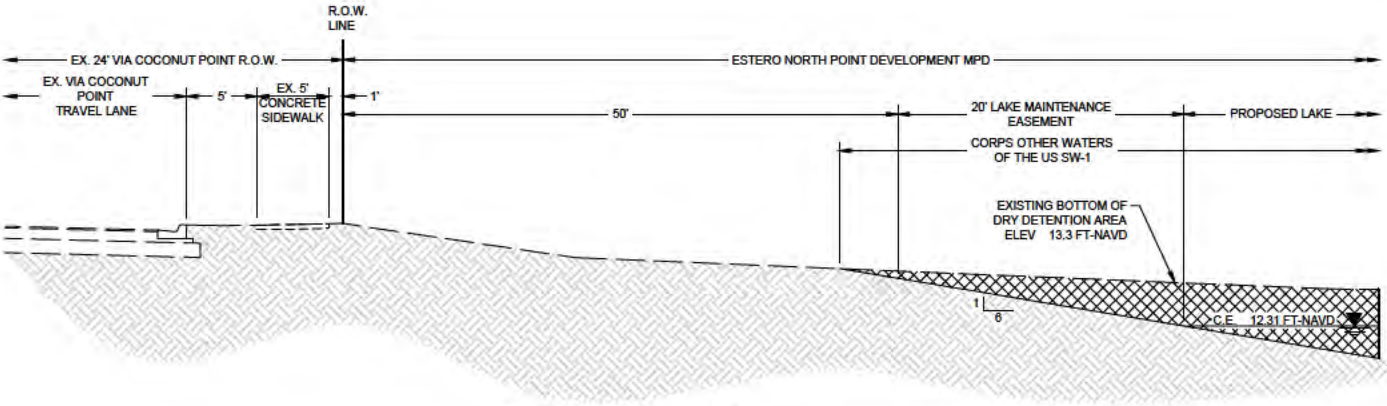
SEC: 33	TWP:46S RGE: 25E
Designed by:	BRUCE LAYMAN
Drawn by:	ALEJANDRO AVILA
Date:	SEPTEMBER 2016
Drawing Scale:	N.T.S.
Project Number:	P-HLST-006-002
File Number:	P-HLST-006-002-301CS
Sheet Number:	C-301 05 of 07



D SECTION

Scale: 1" = 10'

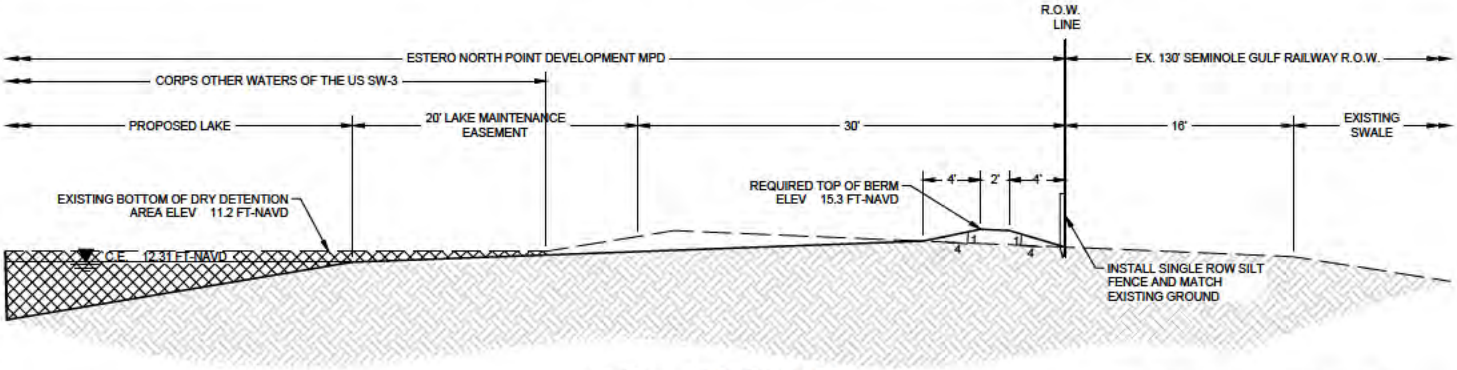
FILL - CORPS WETLANDS



E SECTION

Scale: 1" = 10'

EXCAVATION - CORPS CORPS OTHER WATERS OF THE US



F SECTION

Scale: 1" = 10'

EXCAVATION - CORPS CORPS OTHER WATERS OF THE US

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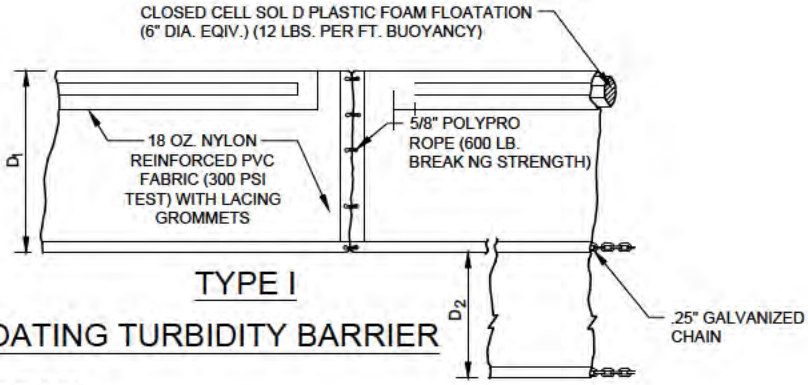
OWNER/CLIENT/CONSULTANT: ESTERO NORTH POINT, LTD.

PROJECT: ESTERO NORTH POINT

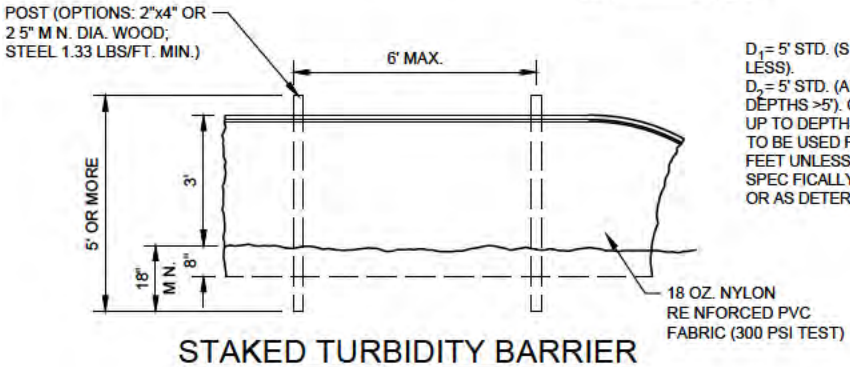
TITLE: CROSS SECTIONS

SEC: 33	TWP: 46S RGE: 25E
Designed by:	BRUCE LAYMAN
Drawn by:	ALEJANDRO AVILA
Date:	SEPTEMBER 2016
Drawing Scale:	N.T.S.
Project Number:	P-HLST-006-002
File Number:	P-HLST-006-002-302CS
Sheet Number:	C-302 06 of 07



TYPE I

FLOATING TURBIDITY BARRIER



D_1= 5' STD. (S NGLE PANEL FOR DEPTH 5' OR LESS).
D_2= 5' STD. (ADDITIONAL PANEL FOR DEPTHS >5'). CURTA N 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 SPEC FICALLY CALLED FOR IN THE PLANS OR AS DETERMINED BY THE ENG NEER.

STAKED TURBIDITY BARRIER

TURBIDITY BARRIER NOTES:

1. NUMBER AND SPAC NG OF ANCHORS DEPENDENT ON WATER VELOCIT ES.
2. DEPLOYMENT OF BARRIER AROUND P LE LOCATIONS MAY VARY TO ACCOMMODATE CONSTRUCTION OPERATIONS.
3. TURB DITY BARRIERS FOR FLOWING STREAMS AND TIDAL CREEKS MAY BE EITHER FLOATING, OR STAKED TYPES OR ANY COMBINATION OF TYPES THAT WILL SUIT SITE CONDITIONS AND MEET EROSION CONTROL AND WATER QUALITY REQUIREMENTS. THE BARR ER TYPE(S) W LL BE AT THE CONTRACTORS OPTION UNLESS OTHERWISE SPECIF ED N THE PLANS, HOWEVER PAYMENT W LL BE UNDER THE PAY ITEM(S) ESTABLISHED IN THE PLANS FOR FLOAT NG TURB DITY BARR ER AND/OR STAKED TURB DITY BARRIER. POSTS N STAKED TURB DITY BARRIERS TO BE INSTALLED N VERTICAL POSITION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
4. COMPONENTS OF TYPE I MAY BE SIMILAR OR DENTICAL TO PROPR ETARY DESIGNS. ANY INFRINGEMENT ON THE PROPR ETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPE I SHALL BE AS APPROVED BY THE ENGINEER.
5. REFERENCE PLAN FOR PROPOSED LOCATION OF TURB DITY BARRIERS.
6. PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITY APPROPRIATE EROSION CONTROL DEVICES SHALL BE INSTALLED TO CONTROL AND REDUCE SOIL EROSION AND SEDIMENT TRANSPORT TO ON-SITE PRESERVE OVER TO OFF-SITE AREAS. THE CONTRACTOR SHALL MAINTAIN THESE DEVICES THROUGHOUT THE DURATION OF CONSTRUCTION. ALL DEVICES SHALL REMAIN IN PLACE UNT L THE SURROUNDING AREAS ARE ESTABLISHED.

TURBIDITY BARRIERS

N.T.S.

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OWNER/CLIENT/CONSULTANT: ESTERO NORTH POINT, LTD.

PROJECT: ESTERO NORTH POINT

TITLE: EROSION - TURBIDITY CONTROL

SEC: 33	TWP:46S RGE: 25E
Designed by:	BRUCE LAYMAN
Drawn by:	ALEJANDRO AVILA
Date:	SEPTEMBER 2016
Drawing Scale:	N.T.S.
Project Number:	P-HLST-006-002
File Number:	P-HLST-006-002-701EC
Sheet Number:	C-701 07 of 07