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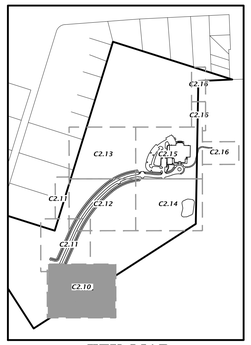
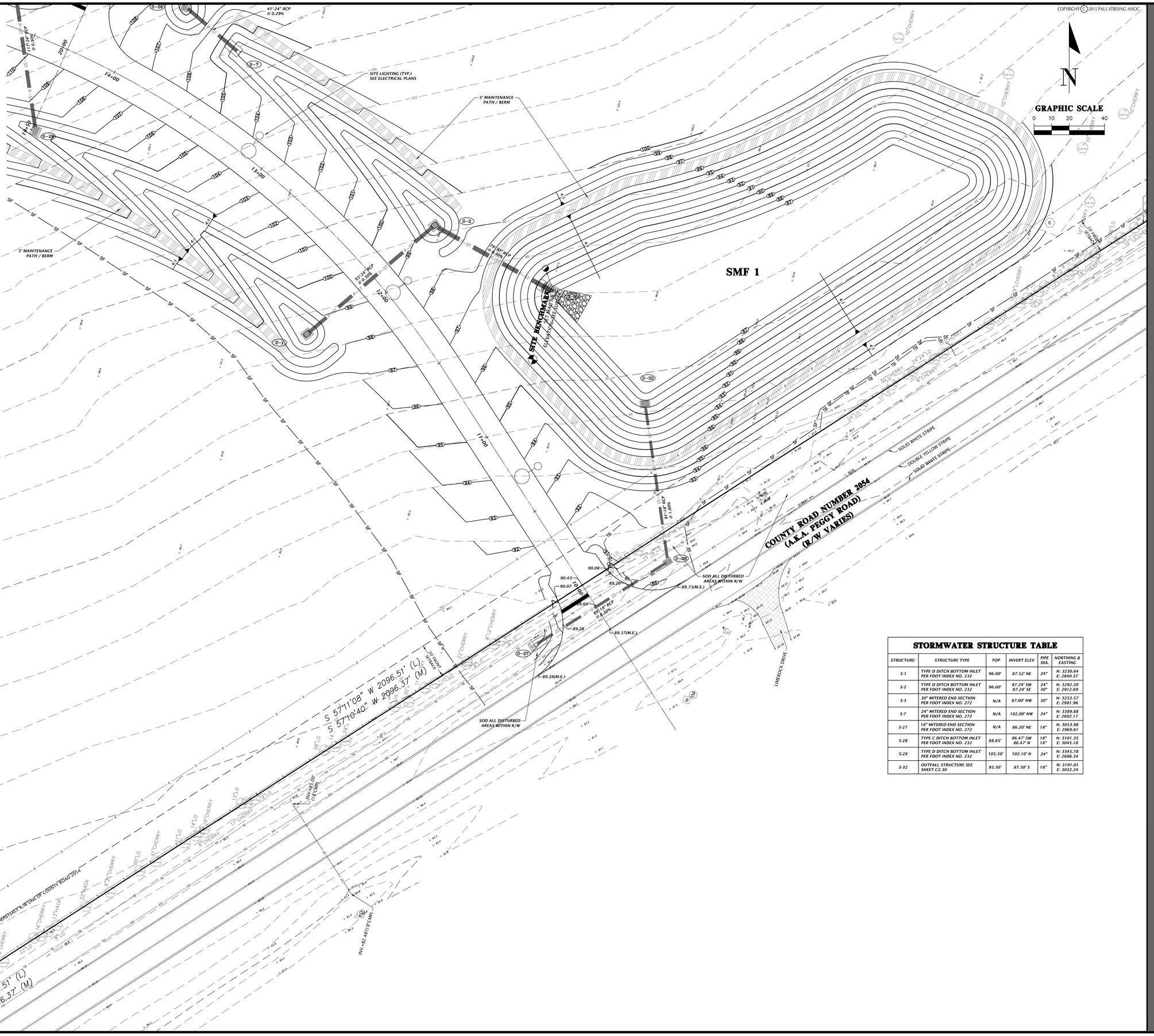


KEY MAP
NTS



STORMWATER STRUCTURE TABLE

STRUCTURE:	STRUCTURE TYPE	TOP	INVERT ELEV	PIPE DIA.	NORTHING & EASTING
S-1	TYPE D DITCH BOTTOM INLET PER FDOT INDEX NO. 232	96.00'	87.52' NE	24"	N: 3230.64 E: 2840.37
S-2	TYPE D DITCH BOTTOM INLET PER FDOT INDEX NO. 232	96.00'	87.24' SW 87.24' SE	24" 30"	N: 3292.20 E: 2912.69
S-3	30" MITERED END SECTION PER FDOT INDEX NO. 272	N/A	87.00' NW	30"	N: 3253.57 E: 2981.96
S-7	24" MITERED END SECTION PER FDOT INDEX NO. 272	N/A	102.00' NW	24"	N: 3389.88 E: 2802.17
S-27	18" MITERED END SECTION PER FDOT INDEX NO. 272	N/A	86.20' NE	18"	N: 3053.98 E: 2969.61
S-28	TYPE C DITCH BOTTOM INLET PER FDOT INDEX NO. 232	88.65'	86.47' SW 86.47' N	18" 18"	N: 3101.35 E: 3045.18
S-29	TYPE D DITCH BOTTOM INLET PER FDOT INDEX NO. 232	105.50'	102.10' N	24"	N: 3345.78 E: 2686.34
S-32	OUTFALL STRUCTURE SEE SHEET C2.30	95.50'	87.38' S	18"	N: 3191.01 E: 3032.24

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PROPOSAL NO: 15-440

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PZB SUBMITTAL
DETAILED GRADING AND DRAINAGE PLAN

CITY OF ALACHUA
LEGACY PARK - PHASE 1
ALACHUA, FLORIDA

REVISIONS
ITEM:
DATE:

JAMES A. FLEGERT

FL PE No. 69147

SHEET NO.
C2.10

150451

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Tools: Scale: Plot Date: Feb 24,2016 4:21pm Filename: L:\2015\15-0451\engineering\DWG\production files\15-0451-C2.11_DDP.dwg

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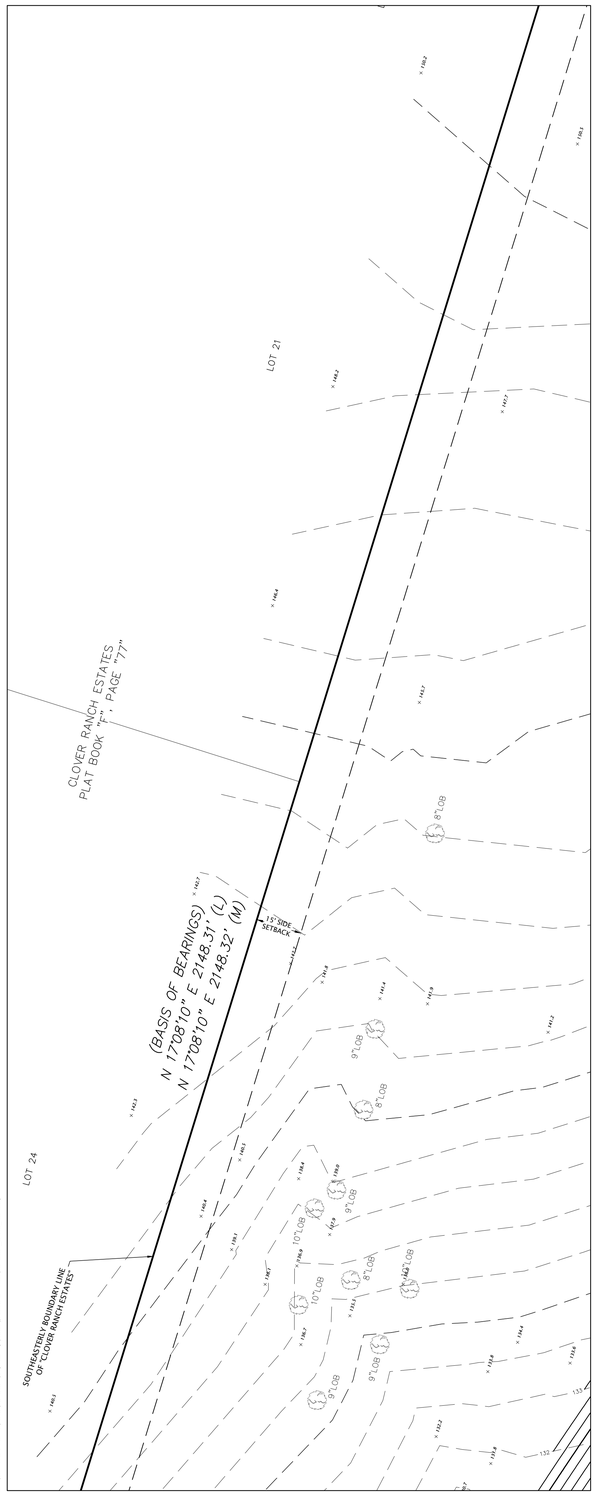
KEY MAP
NTS

N

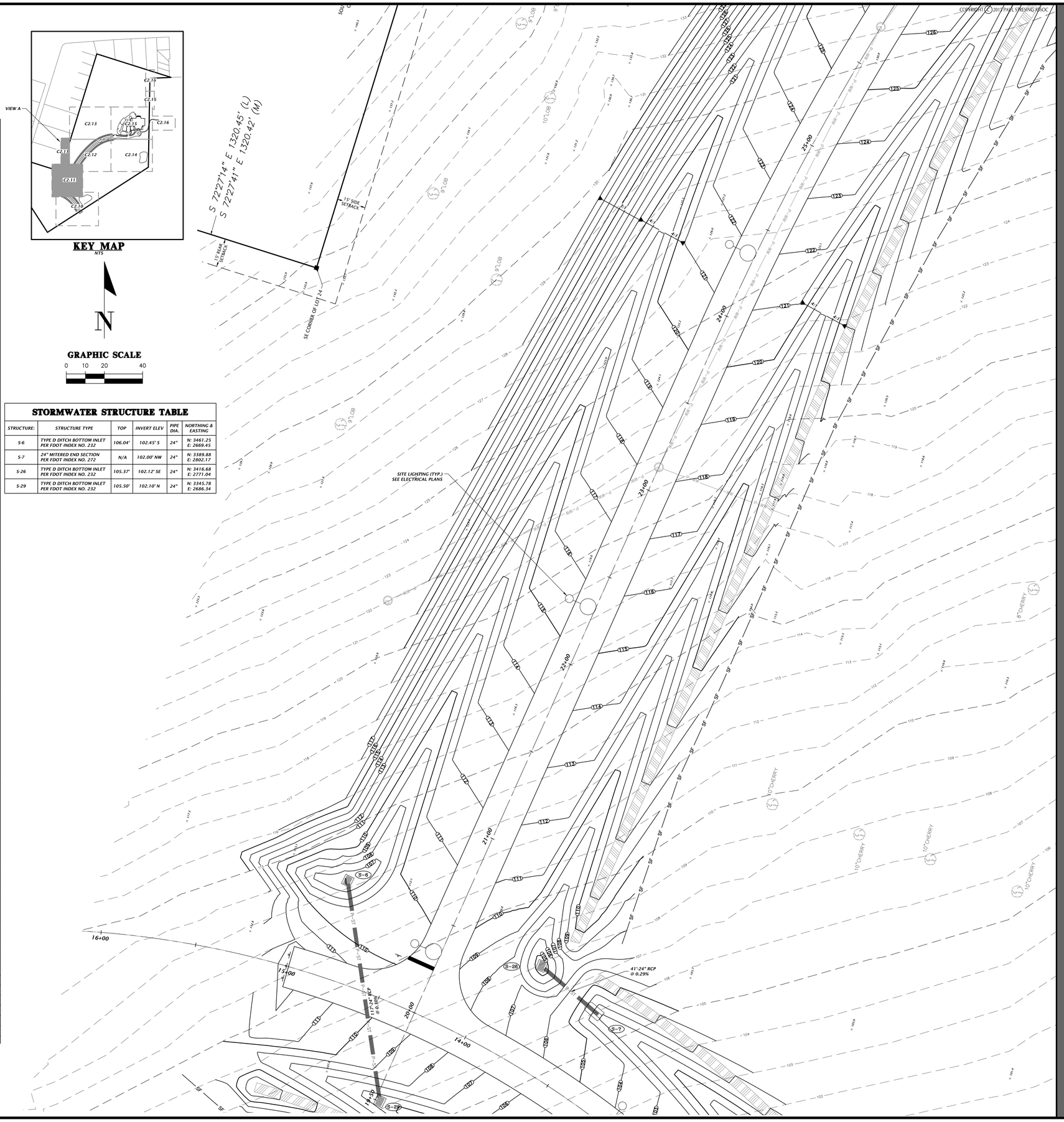
GRAPHIC SCALE
0 10 20 40

STORMWATER STRUCTURE TABLE

STRUCTURE:	STRUCTURE TYPE	TOP	INVERT ELEV	PIPE DIA.	NORTHING & EASTING
S-6	TYPE D DITCH BOTTOM INLET PER FDOT INDEX NO. 232	106.04'	102.45' S	24"	N: 3461.25 E: 2669.45
S-7	24" MITERED END SECTION PER FDOT INDEX NO. 272	N/A	102.00' NW	24"	N: 3389.88 E: 2802.17
S-26	TYPE D DITCH BOTTOM INLET PER FDOT INDEX NO. 232	105.37'	102.12' SE	24"	N: 3416.68 E: 2771.04
S-29	TYPE D DITCH BOTTOM INLET PER FDOT INDEX NO. 232	105.50'	102.10' N	24"	N: 3345.78 E: 2686.34



VIEW A



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REVISIONS
ITEM:
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FL PE No. 69147

SHEET NO.
C2.11

15-0451

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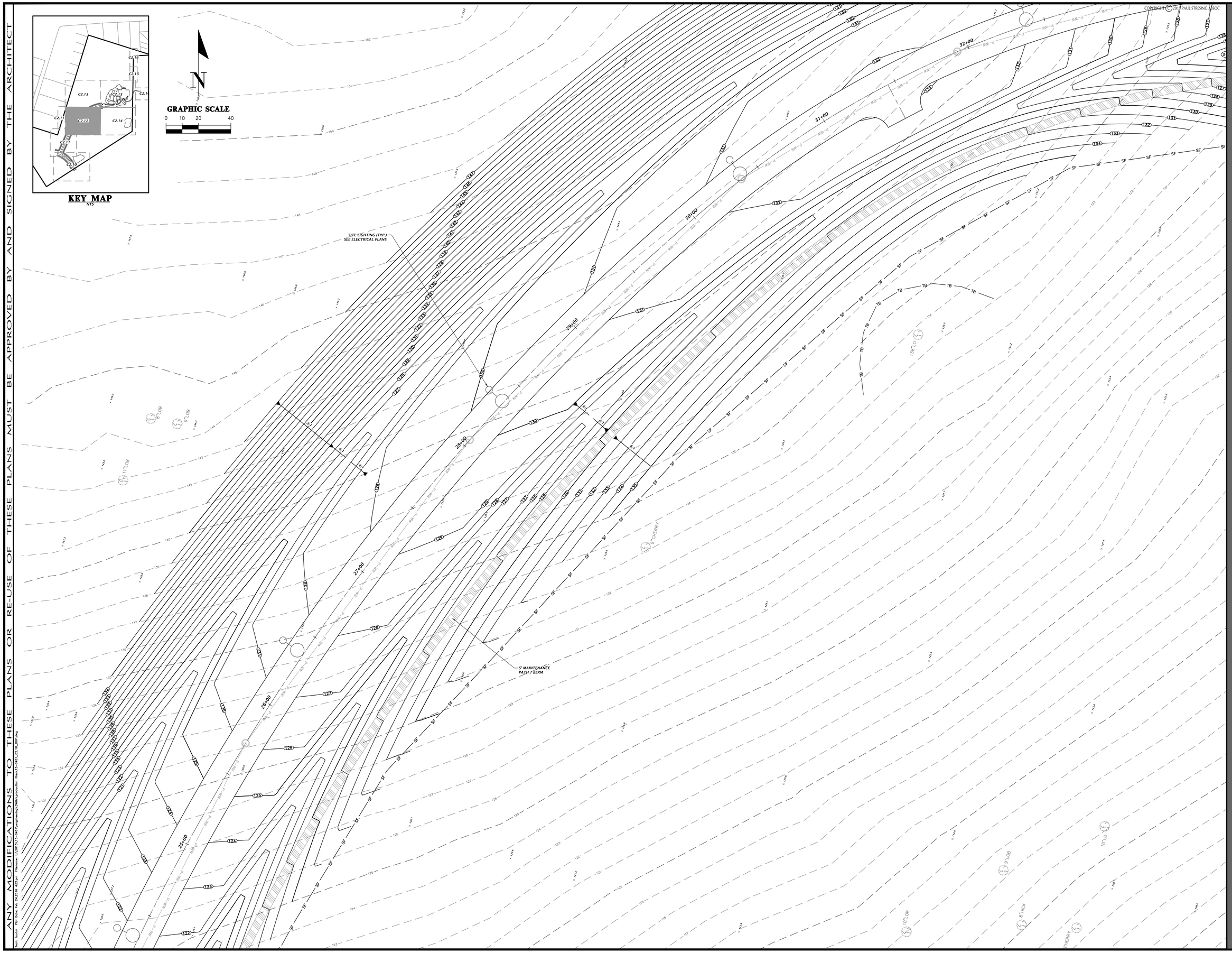

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C2.12

15-0451

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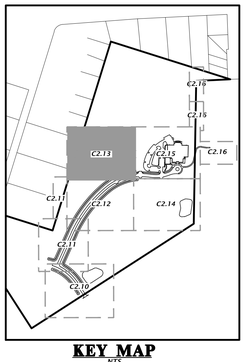

KEY MAP
NTS

N

GRAPHIC SCALE
0 10 20 40

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15' SIDE SETBACK

LOT 20

N 17°08'10" E 2148.31' (L)
N 17°08'10" E 2148.32' (M)
(BASIS OF BEARINGS)

154.25

PICNIC PAVILION
SEE LANDSCAPE PLANS

147.60

PICNIC PAVILION
SEE LANDSCAPE PLANS

SITE LIGHTING (TYP.)
SEE ELECTRICAL PLANS

SITE BENCHMARK
SET NAIL & CAP
ELEVATION=SEE SURVEY

8"CHERRY
8"CHERRY
8"9"TALLOW
9"LO
9"CHERRY
11"CHINA
15"CHINA
9"TALLOW
8"CHERRY
9"CHERRY
9"CHERRY
9"TALLOW
8"CHINA
9"LO
8"LO
8"CHERRY
60"LO
8"LO
8"LO
8"LO
36"LO
9"PECAN
36"LO
43"LO
8"CHINA
30"LO
9"LO
35"LO
35"LO

32+00
33+00

DRAWN BY: MAI
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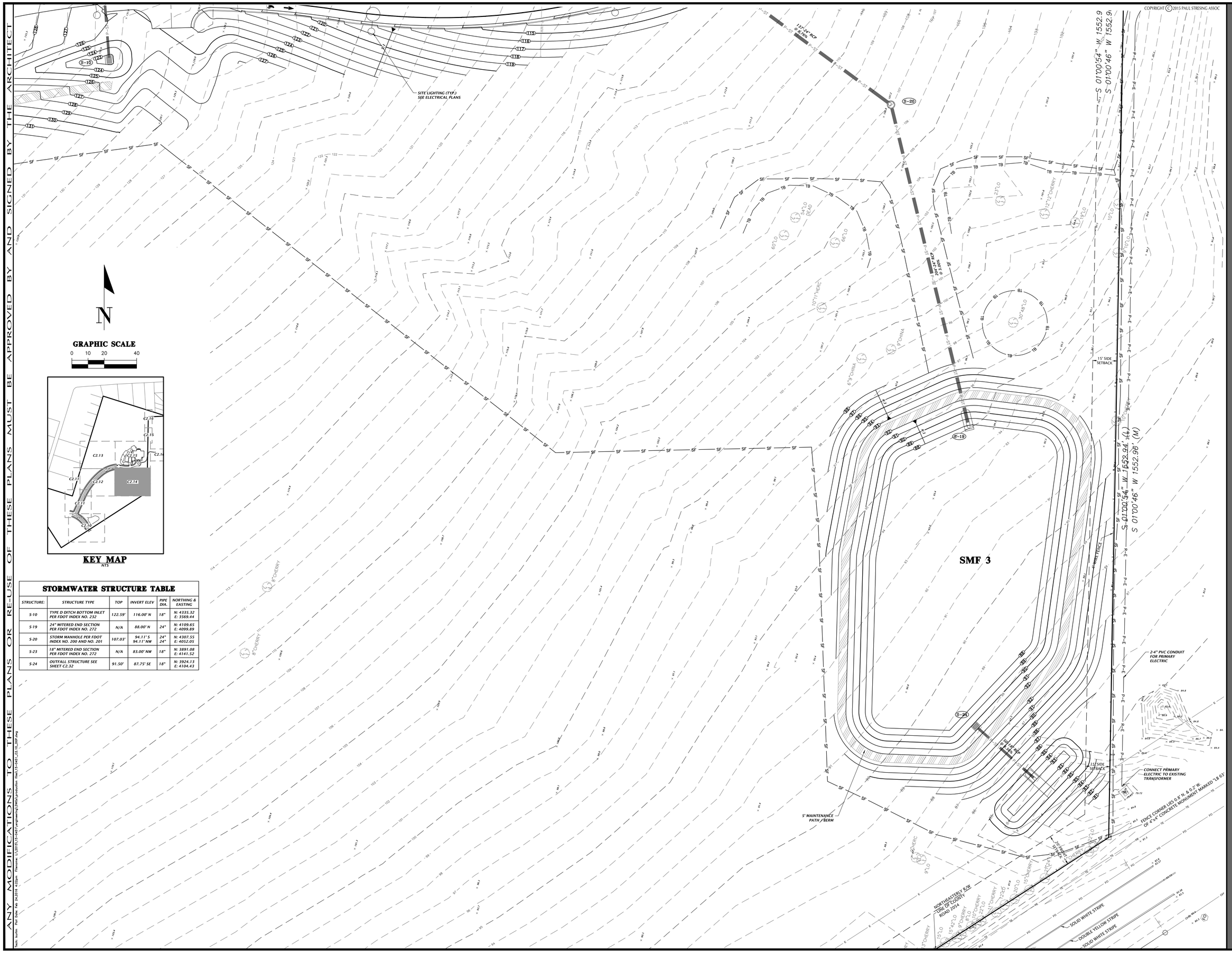

KEY MAP
NTS

STORMWATER STRUCTURE TABLE

STRUCTURE:	STRUCTURE TYPE	TOP	INVERT ELEV	PIPE DIA.	NORTHING & EASTING
S-10	TYPE D DITCH BOTTOM INLET PER FDOT INDEX NO. 232	122.59'	116.00' N	18"	N: 4335.32 E: 3569.44
S-19	24" MITERED END SECTION PER FDOT INDEX NO. 272	N/A	88.00' N	24"	N: 4109.65 E: 4099.89
S-20	STORM MANHOLE PER FDOT INDEX NO. 200 AND NO. 201	107.03'	94.11' S 94.11' NW	24" 24"	N: 4307.55 E: 4052.05
S-23	18" MITERED END SECTION PER FDOT INDEX NO. 272	N/A	83.00' NW	18"	N: 3891.08 E: 4141.52
S-24	OUTFALL STRUCTURE SEE SHEET C2.32	91.50'	87.75' SE	18"	N: 3924.13 E: 4104.43

Tech: kurtis Plot Date: Feb 24,2016 4:22pm Filename: L:\2015\15-0451\engineering\Work\production files\15-0451_C2.15_DDP.dwg

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FL PE No. 69147

SHEET NO.
C2.14

150451

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KEY MAP
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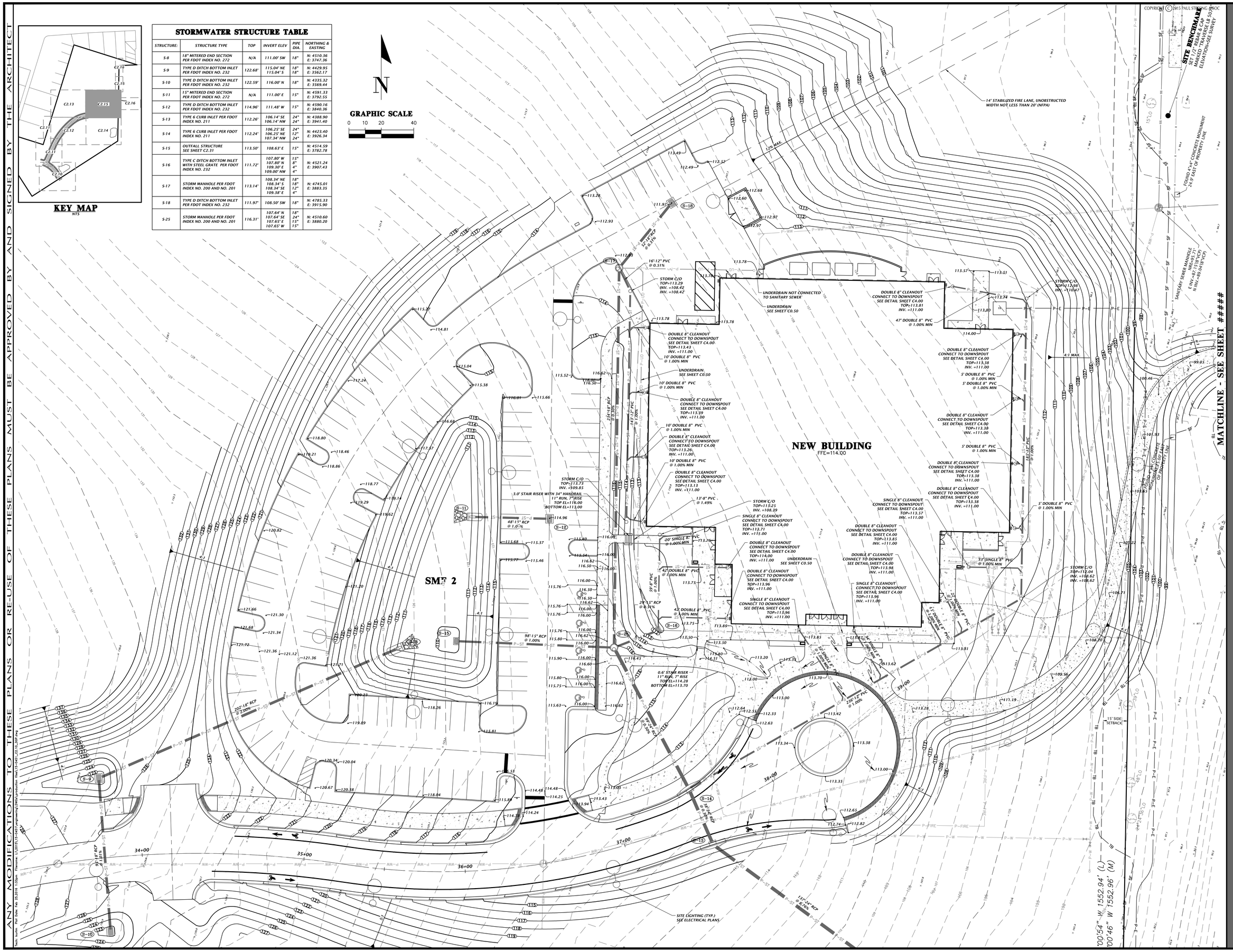
STORMWATER STRUCTURE TABLE

STRUCTURE:	STRUCTURE TYPE	TOP	INVERT ELEV	PIPE DIA.	NORTHING & EASTING
S-8	18" MITERED END SECTION PER FDOT INDEX NO. 272	N/A	111.00' SW	18"	N: 4510.36 E: 3747.36
S-9	TYPE D DITCH BOTTOM INLET PER FDOT INDEX NO. 232	122.68'	115.04' NE 115.04' S	18" 18"	N: 4429.95 E: 3562.17
S-10	TYPE D DITCH BOTTOM INLET PER FDOT INDEX NO. 232	122.59'	116.00' N	18"	N: 4335.32 E: 3569.44
S-11	15" MITERED END SECTION PER FDOT INDEX NO. 272	N/A	111.00' E	15"	N: 4591.33 E: 3792.55
S-12	TYPE D DITCH BOTTOM INLET PER FDOT INDEX NO. 232	114.96'	111.48' W	15"	N: 4590.16 E: 3840.36
S-13	TYPE 6 CURB INLET PER FDOT INDEX NO. 211	112.26'	106.14' SE 106.14' NW	24" 24"	N: 4388.90 E: 3941.40
S-14	TYPE 6 CURB INLET PER FDOT INDEX NO. 211	112.24'	106.25' SE 106.25' NE 107.34' NW	24" 12" 24"	N: 4423.40 E: 3926.34
S-15	OUTFALL STRUCTURE SEE SHEET C2.31	113.50'	108.63' E	15"	N: 4514.59 E: 3782.78
S-16	TYPE C DITCH BOTTOM INLET WITH STEEL GRATE PER FDOT INDEX NO. 232	111.72'	107.80' W 107.80' N 109.30' E 109.00' NW	15" 8" 4" 4"	N: 4521.24 E: 3907.43
S-17	STORM MANHOLE PER FDOT INDEX NO. 200 AND NO. 201	113.14'	108.34' NE 108.34' S 108.34' SE 109.38' E	18" 18" 12" 4"	N: 4745.01 E: 3883.35
S-18	TYPE D DITCH BOTTOM INLET PER FDOT INDEX NO. 232	111.97'	108.50' SW	18"	N: 4785.33 E: 3915.90
S-25	STORM MANHOLE PER FDOT INDEX NO. 200 AND NO. 201	116.31'	107.64' N 107.64' SE 107.65' E 107.65' W	18" 24" 15" 15"	N: 4510.60 E: 3880.20



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C2.15

15-0451

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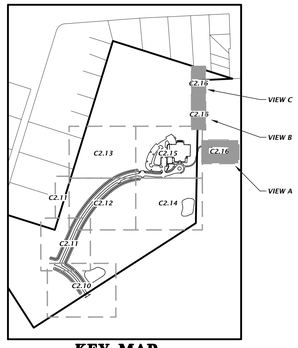

KEY MAP
NTS

N

GRAPHIC SCALE
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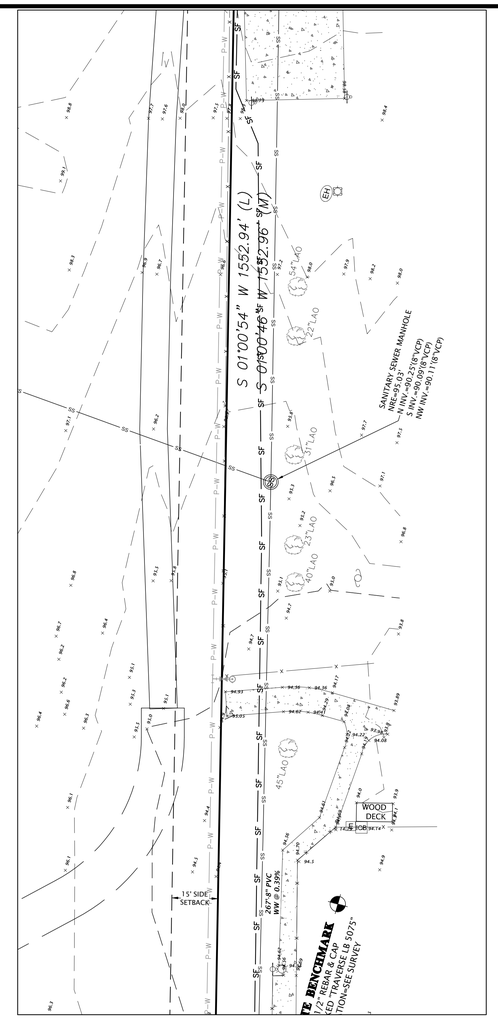

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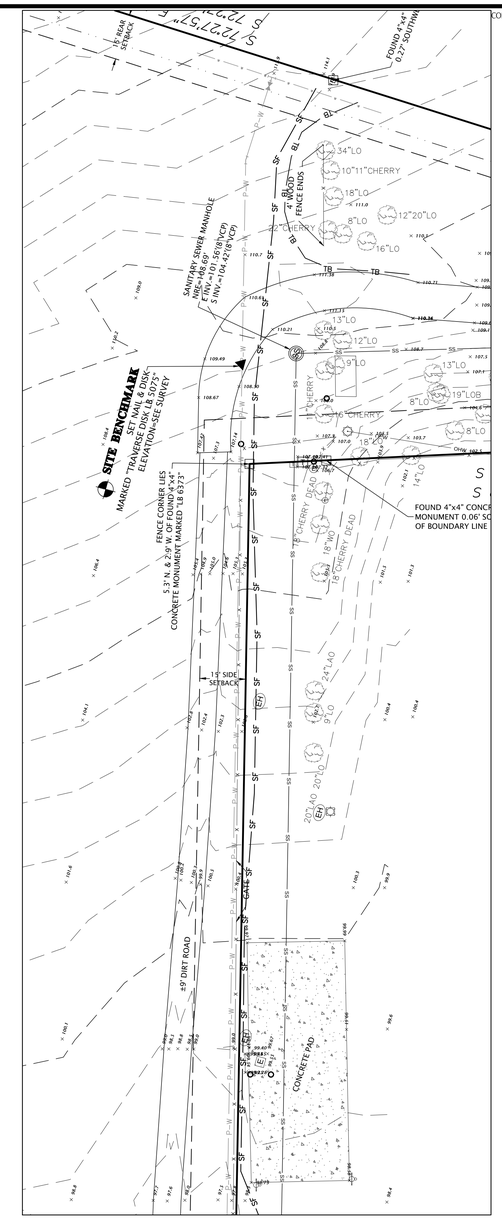

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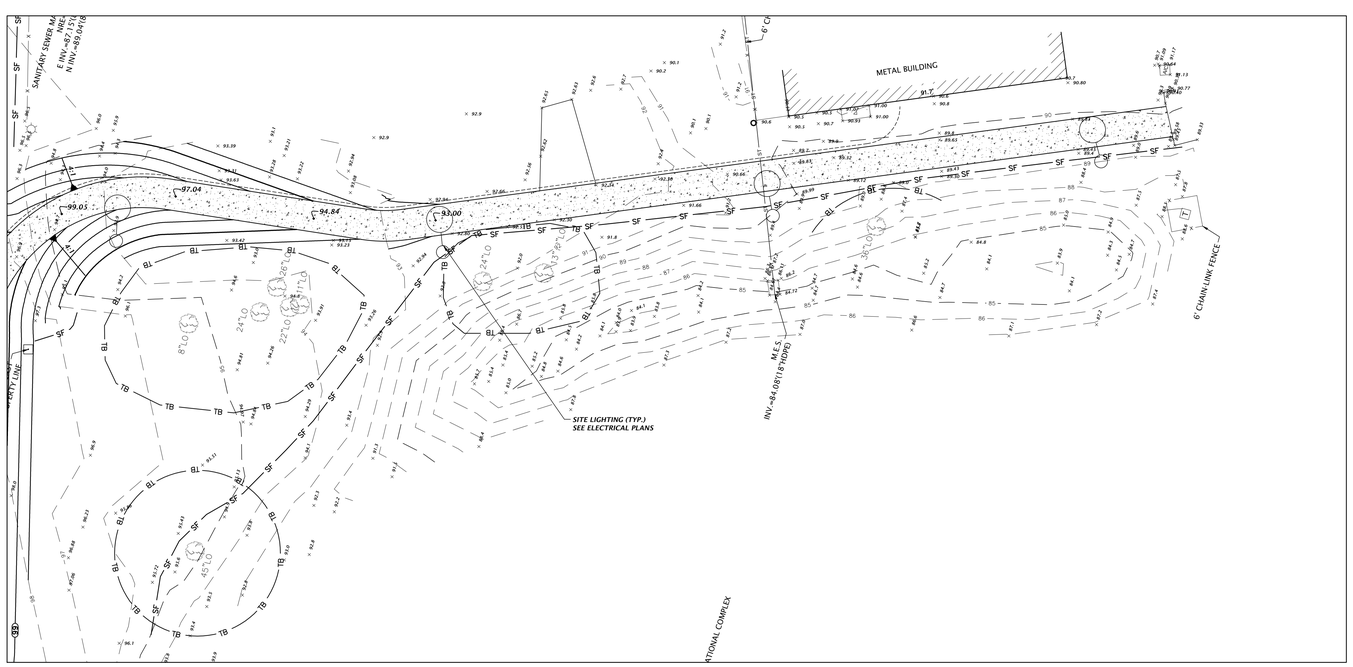

VIEW A

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CITY OF ALACHUA
LEGACY PARK - PHASE 1
ALACHUA, FLORIDA

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FL PE No. 69147

SHEET NO.
C2.16

15-0451

Tools: Inserts Plot Date: Feb 24,2016 4:22pm Filename: L:\2015\15-0451\engineering\DWG\production files\15-0451_C2.16_DDP.dwg

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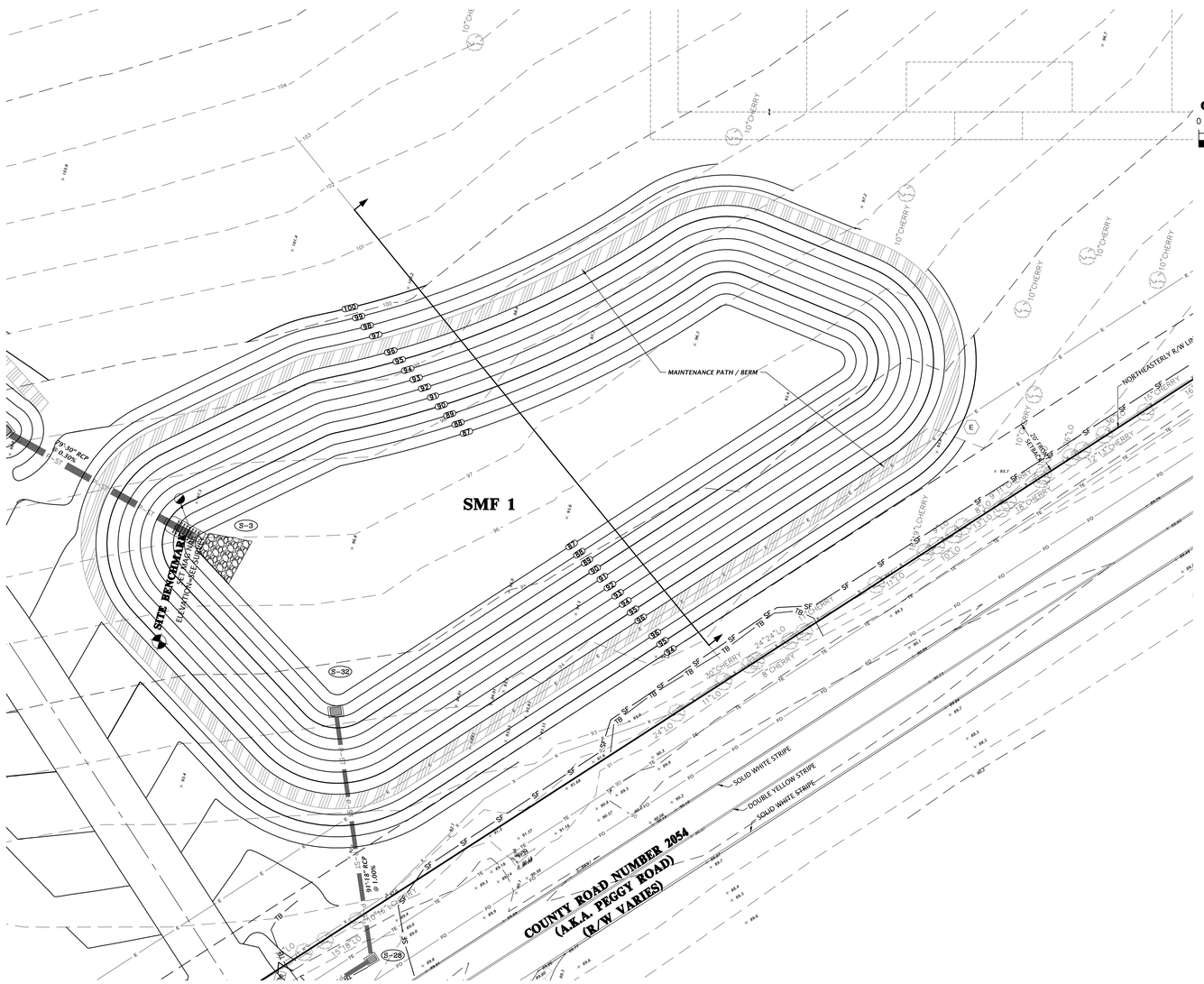
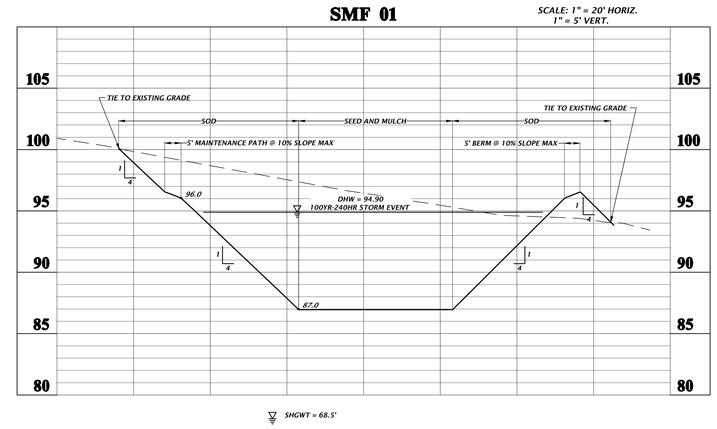
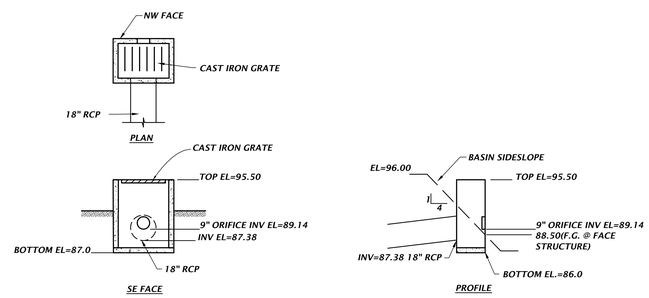
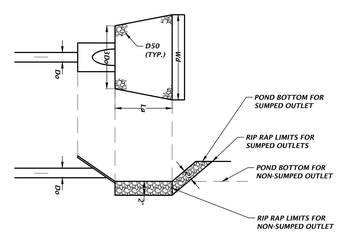






S-32 OUTFALL DETAIL

NTS



STRUCTURE ID	PIPE DIAMETER Do (ft)	RIP RAP SPREAD AT PIPE OUTLET 3Do (ft)	RIP RAP SPREAD AT END OF APRON Wd (ft)	LENGTH OF APRON La (ft)	MEDIAN RIP RAP SIZE D50 (ft)
S-3	2.5	7.5	17.5	15	0.5

RIP-RAP APRON DETAIL

NTS

STORMWATER STRUCTURE TABLE

STRUCTURE:	STRUCTURE TYPE	TOP	INVERT ELEV	PIPE DIA.	NORTHING & EASTING
S-3	30" MITERED END SECTION PER FDOT INDEX NO. 272	N/A	87.00' NW	30"	N: 3253.57 E: 2981.96
S-28	TYPE C DITCH BOTTOM INLET PER FDOT INDEX NO. 232	88.65'	86.47' SW 86.47' N	18" 18"	N: 3101.35 E: 3045.18
S-32	OUTFALL STRUCTURE SEE SHEET C2.30	95.50'	87.38' S	18"	N: 3191.01 E: 3032.24

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Xrefs: Xrefs: Plot Date: Feb 24,2016 @ 3:3pm Filename: L:\2015\15-0451\engineering\DWG\production files\15-0451_C2.30_SMF.dwg

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STORMWATER MANAGEMENT FACILITY 1

CITY OF ALACHUA
LEGACY PARK - PHASE 1
ALACHUA, FLORIDA

REVISIONS
ITEM:
DATE:

JAMES A. FLEGERT

FL PE No. 69147

SHEET NO.
C2.30

15-0451

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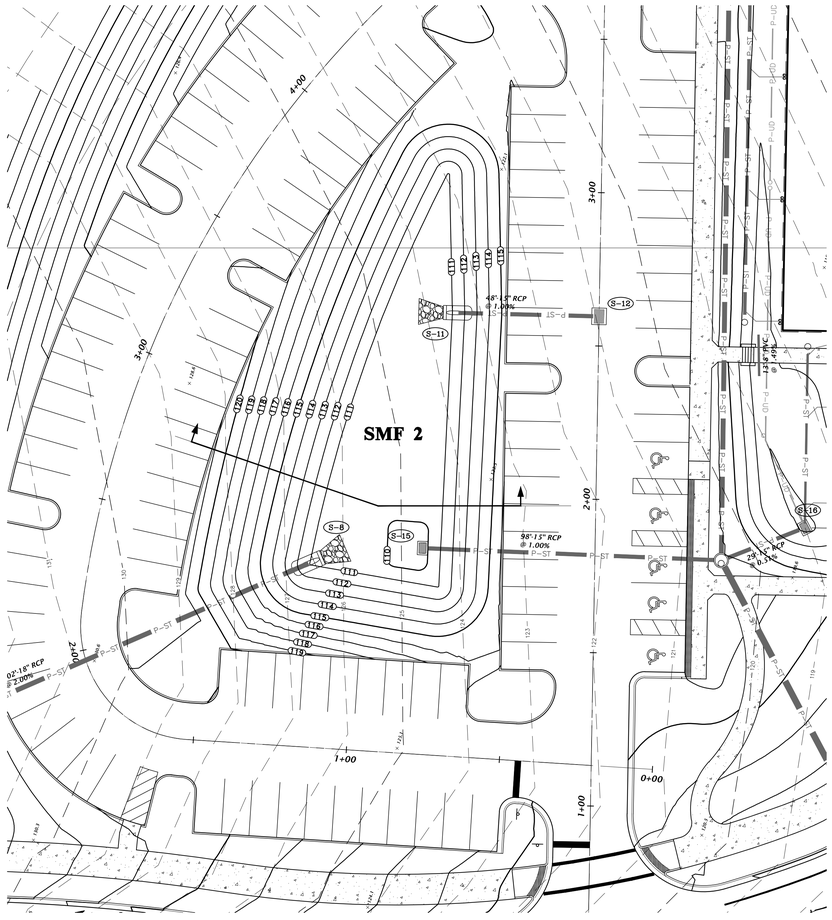
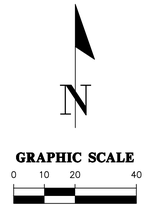
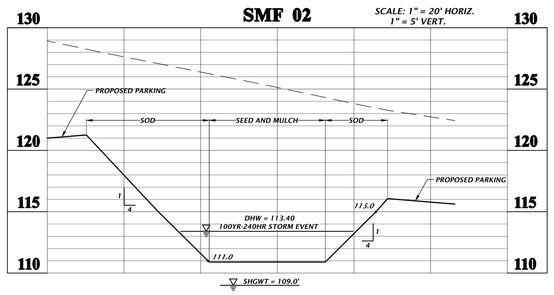
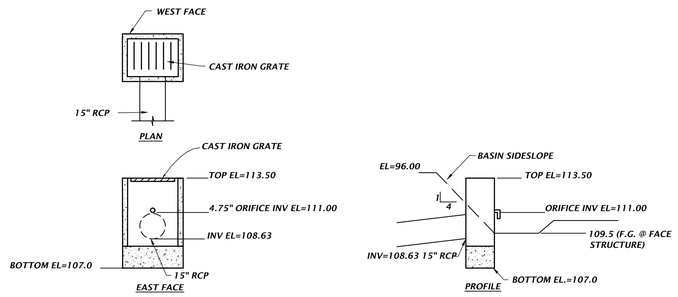






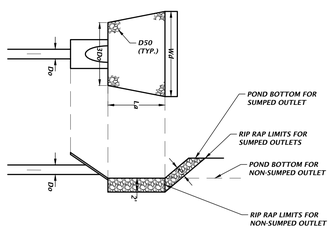


S-15 OUTFALL DETAIL

NTS

STORMWATER STRUCTURE TABLE

STRUCTURE:	STRUCTURE TYPE	TOP	INVERT ELEV	PIPE DIA.	NORTHING & EASTING
S-8	18" MITERED END SECTION PER FDOT INDEX NO. 272	N/A	111.00' SW	18"	N: 4510.36 E: 3747.36
S-11	15" MITERED END SECTION PER FDOT INDEX NO. 272	N/A	111.00' E	15"	N: 4591.33 E: 3792.55
S-15	OUTFALL STRUCTURE SEE SHEET C2.31	113.50'	108.63' E	15"	N: 4514.59 E: 3782.78



STRUCTURE ID	PIPE DIAMETER Do (ft)	RIP RAP SPREAD AT PIPE OUTLET 3Do (ft)	RIP RAP SPREAD AT END OF APRON Wd (ft)	LENGTH OF APRON La (ft)	MEDIAN RIP RAP SIZE D50 (ft)
S-8	1.5	4.5	9.5	8	0.5
S-11	1.25	3.75	9.25	8	0.5

RIP-RAP APRON DETAIL

NTS

Tools: Inserts: Plot Date: Feb 24,2016 4:34pm Filename: L:\2015\15-0451\engineering\DWG\preliminary\Site\15-0451_C2.30_SMF.dwg

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PROPOSAL NO: 15-440
101 NE 1st Avenue
Ocala, Florida 34470
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CHW Professional Consultants

PZB SUBMITTAL
STORMWATER MANAGEMENT FACILITY 2

CITY OF ALACHUA
LEGACY PARK - PHASE 1
ALACHUA, FLORIDA

REVISIONS
ITEM:
DATE:

JAMES A. FLEGERT

FL PE No. 69147

SHEET NO.
C2.31

15-0451

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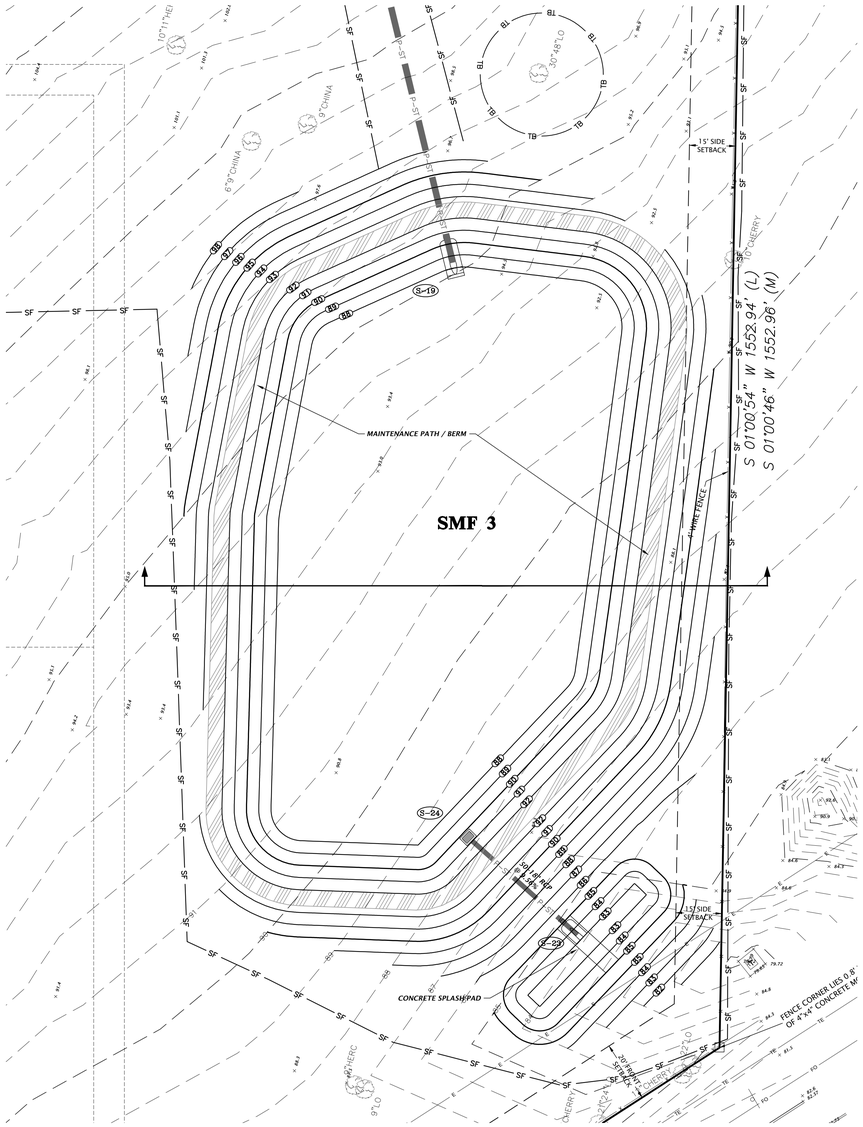
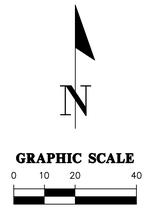
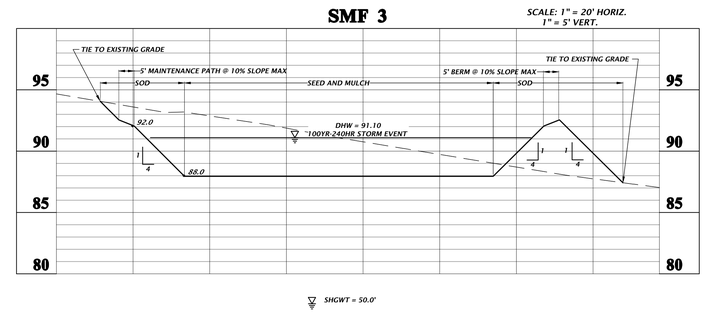
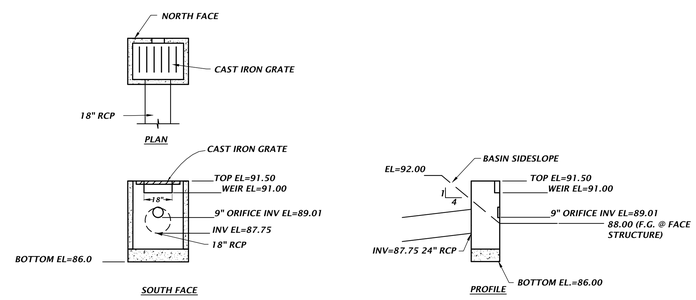




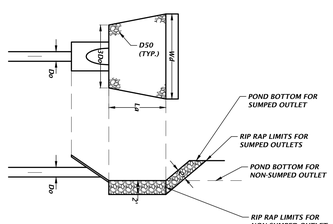




S-24 OUTFALL DETAIL

NTS

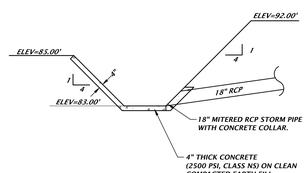
STORMWATER STRUCTURE TABLE					
STRUCTURE:	STRUCTURE TYPE	TOP	INVERT ELEV	PIPE DIA.	NORTHING & EASTING
S-19	24" MITERED END SECTION PER FDOT INDEX NO. 272	N/A	88.00' N	24"	N: 4109.65 E: 4099.89
S-23	18" MITERED END SECTION PER FDOT INDEX NO. 272	N/A	83.00' NW	18"	N: 3891.08 E: 4141.52
S-24	OUTFALL STRUCTURE SEE SHEET C2.32	91.50'	87.75' SE	18"	N: 3924.13 E: 4104.43



STRUCTURE ID	PIPE DIAMETER Do (ft)	RIP RAP SPREAD AT PIPE OUTLET 3Do (ft)	RIP RAP SPREAD AT END OF APRON Wd (ft)	LENGTH OF APRON La (ft)	MEDIAN RIP RAP SIZE D50 (ft)
S-19	2.0	6	14	12	0.5

RIP-RAP APRON DETAIL

NTS



SPLASH PAD DETAIL

NTS

ANY MODIFICATIONS TO THESE PLANS OR RE-USE OF THESE PLANS MUST BE APPROVED BY AND SIGNED BY THE ARCHITECT

Tools: Scale: Plot Date: Feb 24,2016 4:24pm Filename: L:\2015\15-0451\engineering\PDSA\production Files\15-0451-C2.30_SMF.dwg

DRAWN BY: MAI
DATE: FEBRUARY 25, 2016
PROPOSAL NO: 15-440

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STORMWATER MANAGEMENT FACILITY 3

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ALACHUA, FLORIDA

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