

CONSTRUCTION PLANS
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY PROJECT NO. CN160642/ANB

BOARD OF LEE COUNTY COMMISSIONERS				
District ONE	District TWO	District THREE	District FOUR	District FIVE
Kevin Ruane	Cecil Pendergrass	Ray Sandelli	Brian Hamman	Frank Mann

LEE COUNTY MANAGER
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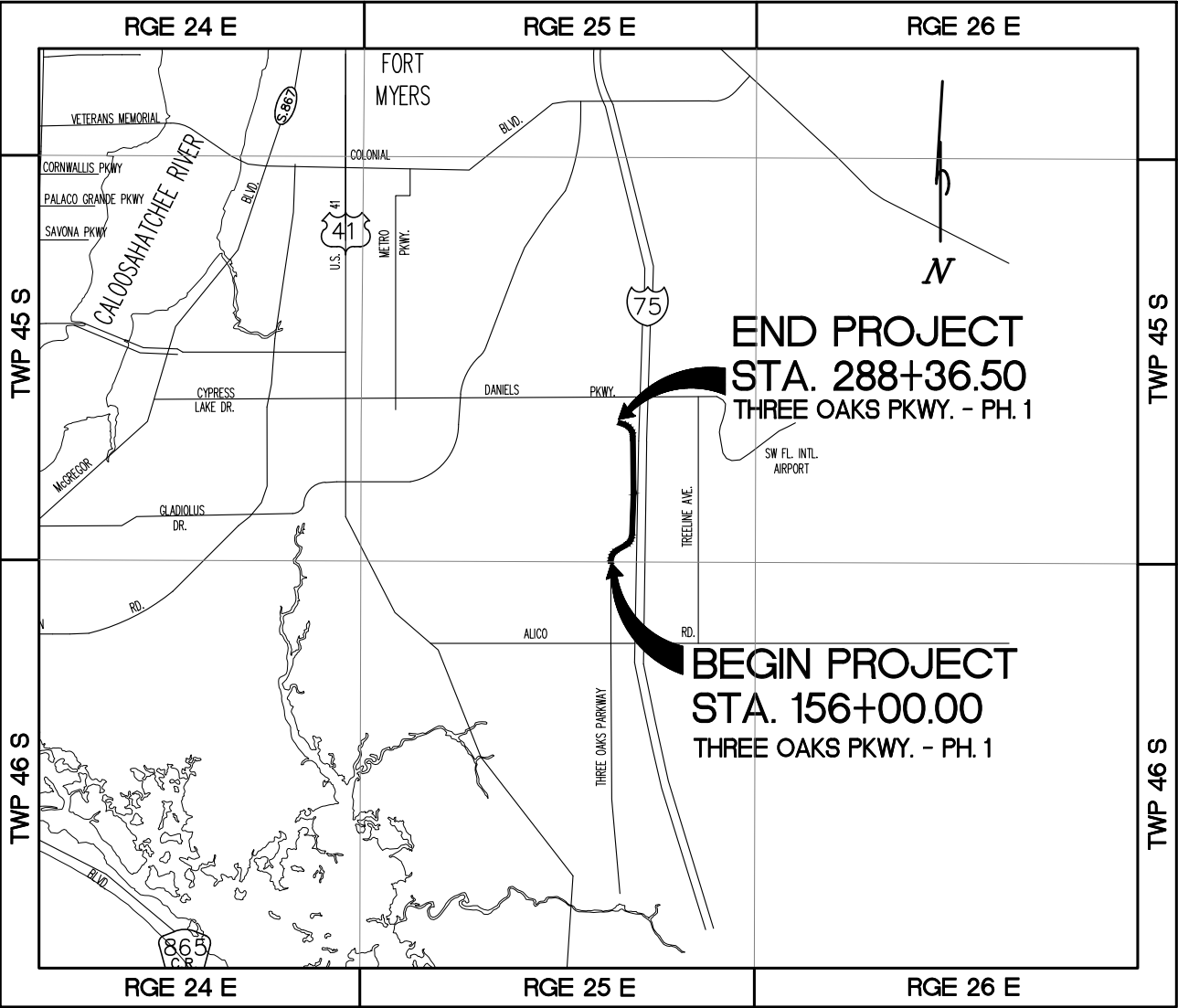
LEE COUNTY DEPARTMENT OF TRANSPORTATION
Randy Cerchie, Director
Vincent Miller, Project Manager

THIS CONTRACT INCLUDES PLAN SETS

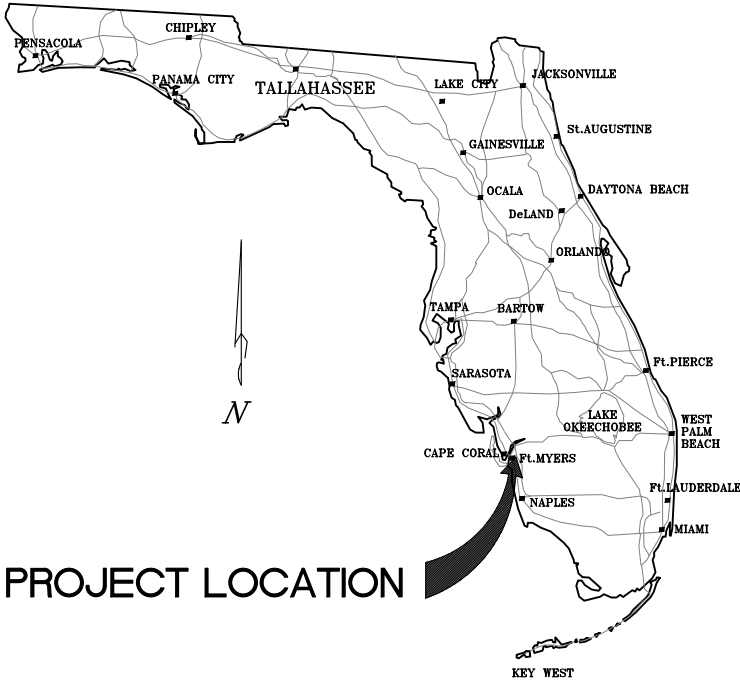
ROADWAY PLANS
SIGNAGE AND PAVEMENT MARKING PLANS
STRUCTURE PLANS
30" WATERMAIN ALONG FIDDLESTICKS CANAL PLANS
STREET LIGHTING PLANS

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LOCATION MAP
N.T.S.



VICINITY MAP
N.T.S.

PLANS REVISIONS

01/26/23 1 SHEETS 2, 18, 70

LENGTH OF PROJECT		
	FEET	MILES
ROADWAY	13,236.50	2.507
BRIDGES	0	0
NET LENGTH OF PROJECT	13,236.50	2.507
EXCEPTIONS	0	0
GROSS LENGTH OF PROJECT	13,236.50	2.507

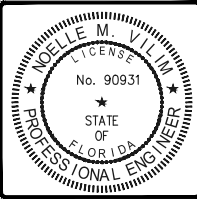
ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

EXCEPT WHERE OTHERWISE INDICATED BY SPECIAL PROVISION. THE GOVERNING SPECIFICATIONS SHALL BE: STATE OF FLORIDA, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED JULY 2020, STANDARD PLANS FOR ROADWAY FY 2020-21, AND SUPPLEMENTS THERETO IF NOTED IN THE SPECIAL PROVISIONS FOR THIS PROJECT.

ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988, UNLESS SHOWN OTHERWISE. TO CONVERT TO N.G.V.D. 1929 ADD 1.18'.

ROADWAY PLANS
ENGINEER OF RECORD: NOELLE M. VILIM, P.E.
FL. LICENSE NO. 90931

P:\CAD\2017\17-372\3-Oaks-Ph1\PILOT PHASE\COVER.dwg, 1 COVER SHEET, 1/26/2023 1:28:04 PM, Avalon Engineering, Inc.



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Noelle M Vilim
2023.01.26 17:07:43 -05'00'

DATE	BY	REVISION DESCRIPTION
01/26/23	NV	ADDENDUM #1

BID SET PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Noelle M. Vilim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
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CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

COVER SHEET
THREE OAKS PKWY EXT.

SHEET
1 of 132

P:\CAD\2017\17-372\3-Oaks-Phil\LOT PHASE\SUM. PAY-ITEMS.dwg, SUMMARY OF PAY ITEMS, 1/26/2023 4:42:42 PM, Avalon Engineering, Inc.

PAY ITEM NOTES

102- 1	UNIT COST TO INCLUDE ALL WORK AND MATERIAL ASSOCIATED WITH BUT NOT LIMITED TO, TEMPORARY PAVEMENT MARKINGS, TEMP. SIGNING, TRAFFIC SAFETY, TRAFFIC DETOURS, TEMP. BARRICADES, SERVICE PATROL, DRIVEWAY MAINTENANCE, AND TEMP. PAVEMENT. NOTE THAT ROADWAY IS NOT OPEN TO TRAFFIC DURING THIS PHASE.
104-	ARE ESTIMATED FOR PREVENTION, CONTROL, AND ABATEMENT OF EROSION AND POLLUTION AND ARE TO BE USED AT LOCATIONS DESIGNATED BY THE PLANS, DESIGN STANDARDS, SPECIFICATIONS, OR AS DIRECTED BY THE ENGINEER.
104-18	QUANTITY IS BASED UPON USE OF APPROVED EROSION CONTROL METHODS FOR INLET PROTECTION AROUND EACH EXISTING & PROPOSED INLET AND JUNCTION BOX.
104-10-3	QUANTITY BASED ON PLACEMENT ALONG ENTIRE PROJECT RIGHT-OF-WAY.
107-2	MOWING FREQUENCY ASSUMES CONSTRUCTION DURATION OF 36 MONTHS WITH (1) MOWING CYCLE PER MONTH. THE COUNTY WILL DETERMINE THE NEEDED MOWING FREQUENCY DURING CONSTRUCTION. NO PAYMENT WILL BE MADE FOR UNUSED QUANTITY. COST OF LITTER REMOVAL TO BE INCLUDED IN COST OF MOWING.
110-1-1	QUANTITY SHALL INCLUDE EXISTING FENCE REMOVAL, EXISTING PIPE REMOVAL AND EXISTING STRUCTURE REMOVAL (INCLUDING INLETS AND JUNC. BOXES) AS DESIGNATED TO BE REMOVED ON THE PLANS. PIPE REMOVAL SHALL EXTEND FROM STRUCTURE TO STRUCTURE AND SHALL INCLUDE DISPOSAL. PARTIAL PIPE REMOVAL WITH PLUGGING REMAINDER SHALL NOT BE PERMITTED. PAY ITEM SHALL ALSO INCLUDE REMOVAL AND DISPOSAL OF ALL PAVEMENT AND BASE NOT INCLUDED IN OTHER PAY ITEMS.
120-4	THIS QUANTITY IS AN ESTIMATE AND PAYMENT WILL BE MADE FOR ACTUAL VOLUME OF UNSUITABLE MATERIAL REMOVED AND SHALL INCLUDE THE REPLACEMENT WITH SUITABLE MATERIAL DURING CONSTRUCTION AS MEASURED AND CONFIRMED BY CEI.
285-709	OPTIONAL BASE GROUP SHALL INCLUDE BITUMINOUS MATERIAL (PRIME AND TACK COAT) AS REQUIRED FOR SPECIFIC BASE OPTION SELECTED.
327-70-1	MILLING OPERATION SHALL INCLUDE REMOVAL AND DISPOSAL OF THE ASPHALTIC CONCRETE.
400-1-2	UNIT COST TO INCLUDE ALL WORK AND MATERIAL ASSOCIATED WITH PLACEMENT OF CONCRETE INCLUDING REINFORCEMENT. THIS PAY ITEM SHALL INCLUDE THE CONSTRUCTION OF PEDESTRIAN TRAFFIC ISLANDS, MEDIAN NOSES, AND MISC. CONCRETE NOT COVERED IN OTHER PAY ITEMS ASSOCIATED WITH THE PROJECT.
430-175-XXX	ALL PIPE MATERIALS SHALL BE REINFORCED CONCRETE PIPE (RCP OR ERCP) AS INDICATED ON THE PLANS AND APPROVED BY THE COUNTY AND/OR ENGINEER BEFORE CONTRACTOR'S ACQUISITION. UNIT COST TO INCLUDE ALL WORK AND MATERIAL ASSOCIATED WITH THE PROJECT. CONCRETE JACKETS FOR EXTENDING EXISTING CULVERTS PER INDEX 430-001 INHERENT TO COST OF PIPE.
430-982-625	UNIT COST TO INCLUDE ALL WORK AND MATERIAL ASSOCIATED WITH CONSTRUCTION OF THE MITERED END SECTION (M.E.S) INCLUDING: CONCRETE, REINFORCEMENT, PIPE, GRADING, AND OTHER INCIDENTAL MATERIALS AND WORK REQUIRED TO INSTALL EACH M.E.S. SODDING IS PAID SEPARATELY UNDER PERFORMANCE TURF-SOD, PER SY (FDOT PAY ITEM# 570-1-2).
520-1-10	QUANTITY AND PAYMENT INCLUDES LENGTH OF DROP CURB TRANSITIONS ALONG GRADE LINE PLUS THE LENGTH OF VALLEY GUTTER, CURB FLARES, MOWER RAMPS WITH TRANSITIONS, AND THE TRANSITION TIE-INS TO EXISTING MEDIANS. REFER TO NOTE 7 OF THE GENERAL CONSTRUCTION NOTES (PLAN SHEET 17) FOR ADDITIONAL REQUIREMENTS.
522-2	CONCRETE SIDEWALK SHALL INCLUDE CONSTRUCTION OF HANDICAP AND DRIVEWAY RAMPS AS DETAILED HEREIN AND IN ACCORDANCE WITH F.D.O.T. AND A.D.A. REQUIREMENTS. UNIT COST TO INCLUDE ALL WORK AND MATERIAL ASSOCIATED WITH CONSTRUCTION OF THE CONCRETE SIDEWALK AND COMMERCIAL DRIVEWAYS. REFER TO NOTE 6 OF THE GENERAL CONSTRUCTION NOTES (PLAN SHEET 17) FOR ADDITIONAL REQUIREMENTS.
530-3-4	UNIT COST TO INCLUDE ALL WORK AND MATERIAL ASSOCIATED WITH INSTALLATION OF RIP RAP INCLUDING COST TO FURNISH AND INSTALL FILTER FABRIC. UNIT MEASURED IN TONS.

ALL SURPLUS SUITABLE FILL MATERIAL SHALL REMAIN THE PROPERTY OF LEE COUNTY AND SHALL BE STOCKPILED ON SITE AT A LOCATION TO BE DETERMINED BY THE COUNTY PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL SHAPE THE STOCKPILE AND PROVIDE PERIMETER SILT FENCE. ALL COSTS TO BE INCIDENTAL TO THE EXCAVATION PAY ITEM.

NOTE:
SEE SIGNING & PAVEMENT MARKING PLAN SET FOR SIGNING & PAVEMENT MARKING PLAN PAY ITEMS AND QUANTITIES.



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004FAC, ON 01/26/2023

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DATE	BY	REVISION DESCRIPTION
01/26/23	NV	ADDENDUM #1

BID SET PLANS

1

SUMMARY OF ROADWAY PAY ITEMS				
Item Number	Item Description	QUANTITY	UNIT	NOTES
	Roadway Items:			
101-1	MOBILIZATION, SURVEY, LAYOUT, AND RECORD DRAWINGS	1	LS	
102-1	MAINTENANCE OF TRAFFIC	1	LS	
104-10-3	SEDIMENT BARRIER - SILT FENCE STAKED (TYPE III)	30,998	LF	
104-11	TURBIDITY BARRIER (FLOATING)	1,800	LF	
104-15	SOIL TRACKING PREVENTION DEVICE	1	EA	TEMP. CONSTRUCTION ENTRANCE
104-18	INLET PROTECTION SYSTEM	103	EA	
104-100	NPDES POLLUTION CONTROL	1	LS	NPDES POLLUTION CONTROL
107-2	MOWING (46 AC x 36 CYCLES)	1,667.0	AC	
110-1-1	CLEARING AND GRUBBING	77.72	AC	PROJECT ROW AREA (EXCLUDES EX. LAKE 'C' WATER SURFACE)
110-4-10	REMOVAL OF EXISTING CONCRETE	209	SY	INCLUDES SIDEWALK AND CURB & GUTTER
120-1	EXCAVATION REGULAR	270,270	CY	
120-4	SUBSOIL EXCAVATION	29,000	CY	SEE PAY ITEM NOTE
120-6	EMBANKMENT (ON SITE) - IN PLACE	250,875	CY	
160-4	STABILIZATION TYPE B (12")	96,944	SY	
285-709	OPTIONAL BASE (BASE GROUP #09)	81,977	SY	DESIGN BASED UPON 10" THICK LIMEROCK BASE
327-70-1	MILLING EXIST ASPH PAVT (1.5" AVG DEPTH)	345	SY	
334-1-13	SUPERPAVE ASPHALTIC CONCRETE TYPE SP-12.5 STRUCTURE COURSE (2.5")	11,222	TN	STRUCTURAL COURSE
339-1	MISCELLANEOUS ASPHALT PAVEMENT	26	TN	2" THICK PAVEMENT AT GUARDRAIL
400-1-2	CONCRETE CLASS I (ENDWALLS) (INCLUDES REINFORCEMENT)	65.69	CY	
425-1-351	INLETS (CURB) (TYPE P-5) (<10')	12	EA	
425-1-361	INLETS (CURB) (TYPE P-6) (<10')	35	EA	
425-1-452	INLETS (CURB) (TYPE J-5) (>10')	2	EA	
425-1-461	INLETS (CURB) (TYPE J-6) (<10')	6	EA	
425-1-462	INLETS (CURB) (TYPE J-6) (>10')	11	EA	
425-1-521	INLETS (TYPE C) (DITCH BOTTOM) (<10')	1	EA	
425-1-559	INLETS (TYPE E) (STANDARD AND MODIFIED)	3	EA	INCL. 3 LAKE CONTROL STRUCTURES
425-2-41	MANHOLE (TYPE P-7T) (<10')	2	EA	
425-2-61	MANHOLE (TYPE P-8T) (<10')	3	EA	
425-2-91	MANHOLE (TYPE P-8T) (<10') (W / J BOTTOM)	1	EA	
425-2-92	MANHOLE (TYPE P-8T) (>10') (W / J BOTTOM)	18	EA	
425-11	MODIFY EXISTING DRAINAGE STRUCTURE	1	EA	CONNECT LAKE 'A' OUTFALL TO EXIST. INLET
430-175-118	PIPE CULVERT OPTIONAL MATERIAL (18" RCP)	3,084	LF	
430-175-124	PIPE CULVERT OPTIONAL MATERIAL (24" RCP)	1,627	LF	
430-175-130	PIPE CULVERT OPTIONAL MATERIAL (30" RCP)	2,072	LF	
430-175-136	PIPE CULVERT OPTIONAL MATERIAL (36" RCP)	2,071	LF	
430-175-142	PIPE CULVERT OPTIONAL MATERIAL (42" RCP)	768	LF	
430-175-148	PIPE CULVERT OPTIONAL MATERIAL (48" RCP)	2,877	LF	
430-175-218	PIPE CULVERT OPTIONAL MATERIAL (23" x 14" ERCP)	123	LF	
430-982-129	MITERED END SECTION (24")	2	EA	
430-982-625	MITERED END SECTION (23" x 14")	1	EA	
520-1-10	CONCRETE CURB AND GUTTER (TYPE F)	51,884	LF	INCL. RAMPS , CURB FLARED ENDS & DROP CURB
520-70	CONCRETE TRAFFIC SEPARATOR, SPECIAL VARIABLE WIDTH	41	SY	MEDIAN NOSE STA 281+37 & 282+36
522-2	SIDEWALK CONCRETE (6" THICK)	20,948	SY	INCLUDES ACCESS DRIVES
527-2	DETECTABLE WARNINGS	28	SF	
530-3-4	RIP RAP RUBBLE - DITCH LINING (FDOT SPECIFICATION SECTION 530)	349.6	TN	INCLUDES FILTER FABRIC (FDOT SPEC. SECTION 514)
536-1-0	GUARDRAIL (ROADWAY, W-BEAM GENERAL) TL-3	528	LF	
536-85-24	GUARDRAIL END TREATMENT - PARALLEL APPROACH TERMINAL	2	EA	
536-85-20	GUARDRAIL END TREATMENT - TRAILING ANCHORAGE	2	EA	
550-10-110	FENCING TYPE 'A' (5' HEIGHT)	18,417	LF	
550-60-112	FENCE GATE TYPE 'A' (12' OPENING)	5	EA	
570-1-2	PERFORMANCE TURF, SOD (BAHIA)	223,932	SY	
580-1-4	LITTORAL PLANTINGS (MINIMUM 128 PLANTS PER 50 LF OF SHORELINE PLANTING AREA)	3,600	LF	REFER TO SHEETS 128-132 FOR LOCATIONS & DETAILS
1080-21-5	UTILITY FIXTURE VALVE BOX ADJUST	2	EA	LOCATED STA 157+91, 77' LT. & STA 157+97, 84' LT.

ALTERNATE "CATEGORY 1 - ROADWAY"						
Item Number	Item Description	NO TURN LANE DESIGN DELETED QUANTITY	TURN LANE ADDITIONAL QUANTITY	NET QUANTITY	UNIT	NOTES
	Roadway Items:					
A104-10-3	SEDIMENT BARRIER - SILT FENCE STAKED (TYPE III)	1051	1,089	38	LF	
A104-18	INLET PROTECTION SYSTEM	0	2	2	EA	
A110-1-1	CLEARING AND GRUBBING	0,00	0,33	0,33	AC	ADDITIONAL R/W FOR TURN LANE
A120-6	EMBANKMENT (ON SITE) - IN PLACE	513	1,006	493	CY	
A160-4	STABILIZATION TYPE B (12")	0	1,721	1,721	SY	
A285-709	OPTIONAL BASE (BASE GROUP #09)	0	1,717	1,717	SY	
A334-1-13	SUPERPAVE ASPHALTIC CONCRETE TYPE SP-12.5 STRUCTURE COURSE (2.5")	0	236	236	TN	
A337-7-82	ASPHALTIC CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5, PG 76-22 (1.5")	0	142	142	TN	FRICTION COURSE (NOT IN THIS CONTRACT)
A425-1-351	INLETS (CURB) (TYPE P-5) (<10')	0	3	3	EA	STRUCTURE S-C23-A, S-C29, S-C30
A425-2-61	MANHOLE (TYPE P-8T) (<10')	1	0	-1	EA	STRUCTURE S-C23
A430-175-118	PIPE CULVERT OPTIONAL MATERIAL (18" RCP)	0	118	118	LF	
A430-175-136	PIPE CULVERT OPTIONAL MATERIAL (36" RCP)	0	135	135	LF	
A520-1-10	CONCRETE CURB AND GUTTER (TYPE F)	1064	1,079	15	LF	INCL. RAMPS , CURB FLARED ENDS & DROP CURB
A520-70	CONCRETE TRAFFIC SEPARATOR, SPECIAL VARIABLE WIDTH	21	5	-16	SY	MEDIAN NOSE STA 281+37 & 282+36
A522-2	SIDEWALK CONCRETE (6" THICK)	450	428	-22	SY	
A527-2	DETECTABLE WARNINGS	0	27	27	SF	
A570-1-2	PERFORMANCE TURF, SOD (BAHIA)	1574	1,334	-240	SY	

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PROJ. MGR. Noelle M. Vilim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

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LEE COUNTY DEPARTMENT OF TRANSPORTATION
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THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

SUMMARY OF PAY ITEMS
THREE OAKS PKWY EXT.

SHEET
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SUMMARY OF EARTHWORKS (PAY ITEMS 120-1 & 120-6)		
DESCRIPTION	CY	CY
REGULAR EXCAVATION (PAY ITEM 120-1)	P	F
THREE OAKS PARKWAY EXTENSION	250	
LAKE 'A'	85,881	
LAKE 'B'	81,481	
LAKE 'C'	102,295	
SWALES (RIPRAP AREAS AT ENDWALLS)	363	
SUB TOTAL	270,270	
EMBANKMENT (PAY ITEM 120-6)	P	F
THREE OAKS PARKWAY EXTENSION	211,039	
LAKE 'A'	8,805	
LAKE 'B'	4,804	
LAKE 'C'	26,227	
SWALES	0	
TOTAL VOLUME REQUIRED	250,875	
	P	F
EXCESS MATERIAL	-19,395	

EARTHWORK NOTES:

- EARTHWORK QUANTITIES HAVE BEEN CALCULATED USING LIMEROCK OPTIONAL BASE COURSE DEPTHS. IF A DIFFERENT OPTIONAL BASE IS CONSTRUCTED, THERE SHALL BE NO REVISION TO THE EARTHWORK QUANTITIES FOR WHICH PAYMENT IS MADE BY PLAN QUANTITY.
- ALL EXCAVATIONS & EMBANKMENTS QUANTITIES ARE IN PLACE VOLUMES WITH NO FACTORS APPLIED; INCLUDING SHRINKAGE OR EXPANSION FACTORS OR ADJUSTMENTS FOR DRAINAGE STRUCTURES AND PIPES.
- EARTHWORK QUANTITIES CALCULATED USING THE AVERAGE END AREA METHOD.
- THE ORIGINAL GROUND LINE IS THE EXISTING GRADE LINE SHOWN ON THE CROSS SECTIONS AS DETERMINED BY TOPOGRAPHIC SURVEY PRIOR TO THE CONSTRUCTION ACTIVITIES. NO ALLOWANCES WERE MADE TO THE ESTIMATED QUANTITIES FOR SOIL REMOVAL DURING CLEARING & GRUBBING OPERATIONS.
- THE CONTRACTOR SHALL MAKE HIS OWN ESTIMATE ON THE VOLUME OF MATERIAL REQUIRED TO OBTAIN THE PAY SECTION. SIMILARLY, THE CONTRACTOR SHALL MAKE HIS OWN ESTIMATE ON THE VOLUME OF EXCAVATED MATERIALS THAT MAY BE USED AS EMBANKMENT. PAYMENT SHALL BE PER PLAN QUANTITY SUBJECT TO THE PROVISIONS OF 9-3.2 IN THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGES.

SUMMARY OF 6" CONCRETE WALK (PAY ITEM 522-2)					
LOCATION				S.Y.	COMMENT
STATION	TO	STATION	SIDE		
156+10.01		156+68.87	Lt.	59	
156+06.79		156+60.03	Rt.	42	
156+68.87		157+10.87	Lt.	46	ACCESS DRIVE
156+60.03		157+02.03	Rt.	43	ACCESS DRIVE
157+10.87		162+54.40	Lt.	501	
157+02.03		162+52.51	Rt.	354	
162+54.40		162+94.60	Lt.	46	ACCESS DRIVE
162+52.51		162+96.40	Rt.	43	ACCESS DRIVE
162+94.60		222+10.47	Lt.	5239	
162+96.40		273+94.44	Rt.	7433	
273+94.44		281+60.00	Rt.	711	TURNOUT
281+92.00		288+49.80	Rt.	593	TURNOUT
222+10.47		222+52.47	Lt.	46	ACCESS DRIVE
222+52.47		245+48.00	Lt.	2040	
245+48.00		245+90.00	Lt.	46	ACCESS DRIVE
245+90.00		256+48.00	Lt.	940	
256+48.00		256+90.00	Lt.	46	ACCESS DRIVE
256+90.00		281+60.00	Lt.	2153	TURNOUT
281+92.00		288+23.21	Lt.	567	TURNOUT
TOTAL S.Y.				20948	

SUMMARY OF GUARDRAIL (PAY ITEM 536-1-0)					
LOCATION				L.F.	MISC. ASPHALT
STATION	TO	STATION	SIDE		
157+69.00		160+28.63	Lt.	260	13 TON
157+34.88		160+03.19	Rt.	268	13 TON
TOTALS				528	26 TON

MISC. ASPHALT TONNAGE BASED UPON 110 lb./Sq. YD./INCH (2") THICK PAY ITEM 339-1

SUMMARY OF GUARDRAIL END TREATMENTS				
LOCATION			PAY ITEM	
STATION	SIDE	TYPE	536-85-24	536-85-20
157+34.88	Rt.	APPROACH	1	
157+69.00	Lt.	TRAILING		1
160+03.19	Rt.	TRAILING		1
160+28.63	Lt.	APPROACH	1	
TOTALS			2	2

SUMMARY OF CONCRETE CLASS I-ENDWALL (PAY ITEM 400-1-2)				
STRUCTURE I.D.	LOCATION		PIPE SIZE	VOLUME
	STATION	OFFSET		C.Y.
EW-A1	161+88.80	368.06' Rt.	18"	1.56
EW-A2	161+55.00	116.00' Rt.	18"	1.56
EW-A3	165+38.00	116.00' Rt.	18"	1.56
EW-A4	168+69.33	136.23' Rt.	48"	8.15
EW-A5	194+48.52	60.00' Lt.	30"	3.26
EW-A6	194+48.52	60.00' Rt.	30"	3.26
EW-B1	221+51.66	734.87' Lt.	18"	1.56
EW-B2	221+50.00	127.00' Lt.	30"	3.26
EW-B3	224+20.00	133.00' Lt.	36"	4.53
EW-C1	254+82.80	704.39' Lt.	18"	1.56
EW-C2	252+00.00	124.00' Lt.	24"	2.24
EW-C3	254+60.00	116.00' Lt.	18"	1.56
EW-C4	259+90.00	116.00' Lt.	18"	1.56
EW-C5	265+05.00	116.00' Lt.	24"	2.24
EW-C6	266+34.63	116.00' Lt.	18"	1.56
EW-C7	269+22.00	124.27' Lt.	48"	8.15
EW-C8	247+58.00	60.00' Lt.	36"	4.53
EW-C9	247+58.00	60.00' Rt.	36"	4.53
EW-C10	274+98.24	60.00' Lt.	36"	4.53
EW-C11	273+97.73	60.00' Rt.	36"	4.53
TOTAL VOLUME				65.69

ENDWALL NOTE:

QUANTITY CALCULATIONS PER FDOT STANDARD PLANS INDEX 430-030.

SUMMARY OF TYPE 'F' CURB & GUTTER (PAY ITEM 520-1-10)					
LOCATION				L.F.	COMMENT
STATION	TO	STATION	SIDE		
156+01.74		156+77.87	Lt.	116	INCL. CURB RETURN
156+01.61		156+69.03	Rt.	109	INCL. CURB RETURN
156+25.05		287+86.50	Lt.	13146	MEDIAN CURB
156+25.05		287+86.50	Rt.	13170	MEDIAN CURB
156+77.87		157+01.87	Lt.	24	DROP CURB
156+69.03		156+93.03	Rt.	24	DROP CURB
157+01.87		162+62.91	Lt.	579	
156+93.03		162+61.97	Rt.	551	
162+62.91		162+86.01	Lt.	24	DROP CURB
162+61.97		162+86.95	Rt.	24	DROP CURB
162+86.01		222+19.47	Lt.	5914	
162+86.95		281+60.00	Rt.	11957	TURNOUT
281+92.00		288+49.80	Rt.	673	TURNOUT
222+19.47		222+43.47	Lt.	24	DROP CURB
222+43.47		245+57.00	Lt.	2314	
245+57.00		245+81.00	Lt.	24	DROP CURB
245+81.00		256+57.00	Lt.	1076	
256+57.00		256+81.00	Lt.	24	DROP CURB
256+81.00		281+60.00	Lt.	2444	TURNOUT
281+92.00		288+23.21	Lt.	646	TURNOUT
MINUS P-5 & P-6 INLET LENGTH				-979	(14) P-5 & (52) P-6
TOTAL L.F.				51884	

CURB & GUTTER NOTE:

DROP CURB TO BE PAID FOR AS TYPE 'f' CURB & GUTTER

SUMMARY OF RUBBLE RIPRAP (PAY ITEM (530-3-4)					
STRUCTURE	LOCATION		AREA S.F.	DEPTH INCHES	TON
	STATION	OFFSET			
EW-A5	194+48.52	60.00' Lt.	286	24	30.5
EW-A6	194+48.52	60.00' Rt.	286	24	30.5
MES-B1	221+15.94	770.50' Lt.	54	24	5.8
EW-C8	247+58.00	60.00' LT.	770	24	82.2
EW-C9	247+58.00	60.00' RT.	327	24	34.9
LAKE 'C' OUTFALL	254+82.51	796.67' Lt.	90	24	9.6
EW-C10	274+98.24	60.00' LT.	476	24	50.8
EW-C11	273+97.73	60.00' RT.	332	24	35.4
				25% CONTINGENCY	69.9
TOTAL TONNAGE					349.6

- RUBBLE RIPRAP TONNAGE CALCULATED PER FDOT BASIS OF ESTIMATES 530 PAY ITEM.
- REFER TO 8'x3' BOX CULVERT PLANS FOR RUBBLE RIPRAP PAY ITEMS.

SUMMARY OF SODDING (PAY ITEM 570-1-2)	
ROADWAY R/W STA 156+00 TO 283+40:	S.Y.
TOTAL R/W AREA (EXCLUDING LAKE AREAS)	237,301
MINUS PAVEMENT AREA	-81,977
MINUS CURB & GUTTER AREA	-11,747
MINUS 6" WALK AREA	-20,948
MINUS GUARDRAIL PAVEMENT AREA	-235
MINUS RIPRAP AREA	-575
NET SODDING R/W AREA	121,819
LAKE 'A' R/W AREA (BEGINS 75' EAST OF RDWY. C/L):	
TOTAL TRACT AREA	43,931
MINUS WATER SURFACE AREA	-28,322
MINUS PRESERVATION & BUFFER AREA	-2,888
NET SODDING LAKE 'A' AREA	12,721
LAKE 'B' R/W AREA (BEGINS 75' WEST OF RDWY. C/L):	
TOTAL TRACT AREA	33,035
MINUS WATER SURFACE AREA	-23,965
NET SODDING LAKE 'B' AREA	9,070
LAKE 'C' AREA (BEGINS 75' WEST OF RDWY. C/L):	
TOTAL TRACT AREA	157,998
MINUS WATER SURFACE AREA	-122,461
NET SODDING LAKE 'C' AREA	35,537
25% CONTINGENCY	44,786
TOTAL SODDING AREA	223,932

SODDING NOTES:

- WATER SURFACE AREA IS AT LAKE CONTROL ELEVATION.
- SODDING AT MITERED END SECTIONS INCLUDED IN THIS SUMMARY OF SODDING QUANTITY.
- LAKE 'C' INCLUDES R/W AND EASEMENT AREA.

SUMMARY OF SUPERPAVE ASPHALTIC CONCRETE (PAY ITEM 334-1-13)					
LOCATION				S.Y.	COMMENT
STATION	TO	STATION	SIDE		
156+00.00		156+24.00	Lt.	179	MILLED AREA
156+00.00		156+24.00	Rt.	166	MILLED AREA
156+24.00		156+66.44	Lt.	170	CURB RETURN
156+24.00		156+60.03	Rt.	128	CURB RETURN
156+66.44		170+02.74	Lt.	4,667	31" WIDE
156+60.03		175+32.74	Rt.	5,539	27" WIDE
170+02.74		287+36.50	Lt.	35,189	27" WIDE
175+32.74		188+24.60	Rt.	4,507	31" WIDE
188+24.60		265+49.63	Rt.	23,179	27" WIDE
265+49.63		281+97.31	Rt.	5,748	31" WIDE
281+30.00		282+22.00	Lt.	150	TURNOUT
281+30.00		282+22.00	Rt.	150	TURNOUT
281+97.31		287+36.50	Rt.	1,768	27" WIDE
287+36.50		288+36.50		422	NO MEDIAN
TOTAL S.Y. FRICTION COURSE (1.5" SP 12.5)				81,962	6,762 TON
TOTAL S.Y. (2.5" SP 12.5) EXCLUDES MILLED AREA				81,617	11,222 TON

ASPHALTIC CONCRETE PAVEMENT NOTES:

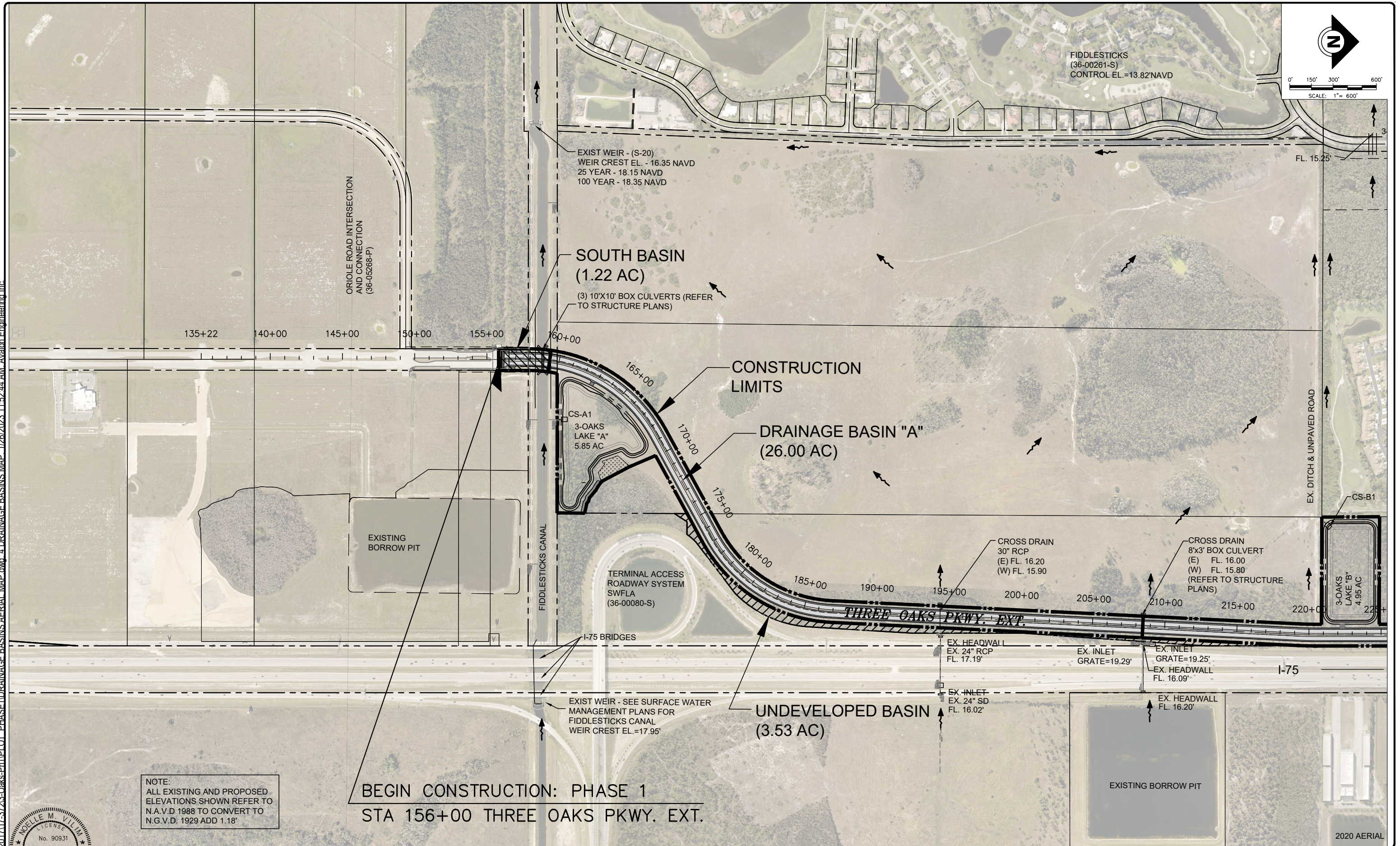
- ASPHALT TONNAGE BASED UPON 110 lb./Sq. YD./INCH THICKNESS.
- PAY ITEM 285-709 OPTIONAL BASE GROUP (09) SQUARE YARDAGE QUANTITY IS IDENTICAL TO THE SQUARE YARDAGE TOTAL FOR THE 2.5" SP 12.5 SUPERPAVE ASPHALTIC CONCRETE PAVEMENT.

SUMMARY OF REMOVAL OF EXISTING CONCRETE (PAY ITEM 110-4-10)					
LOCATION				S.Y.	COMMENT
STATION	TO	STATION	SIDE		
156+00.00		156+44.25	Lt.	9	CURB RETURN LEFT
156+44.25		157+53.66	Lt.	24	CURB LEFT
156+09.20		157+53.66	Rt.	82	WALK LEFT
156+00.00		156+44.59	Rt.	11	CURB RETURN RIGHT
156+05.25		157+53.67	Rt.	83	WALK RIGHT
TOTAL S.Y.				209	

SUMMARY OF STABILIZATION (PAY ITEM 160-4)					
LOCATION			S.Y.	COMMENT	
STATION	TO	SIDE			
156+24.00		156+66.44	Lt.	195	CURB RETURN
156+24.00		156+60.03	Rt.	150	CURB RETURN
156+66.44		170+02.74	Lt.	5,420	36' WIDE
156+60.03		175+32.74	Rt.	6,565	32' WIDE
156+81.03		N/A	Rt.	73	ACCESS DRIVE
156+89.87		N/A	Lt.	95	ACCESS DRIVE
162+74.46		N/A	Rt.	72	ACCESS DRIVE
162+74.50		N/A	Lt.	96	ACCESS DRIVE
170+02.74		287+86.50	Lt.	41,705	32' WIDE
175+32.74		188+24.60	Rt.	5,237	36' WIDE
188+24.60		265+49.63	Rt.	27,471	32' WIDE
222+31.50		N/A	Lt.	95	ACCESS DRIVE
245+69.00		N/A	Lt.	95	ACCESS DRIVE
256+69.00		N/A	Lt.	95	ACCESS DRIVE
265+49.63		281+97.31	Rt.	6,681	36' WIDE
281+30.00		282+22.00	Lt.	177	TURNOUT
281+30.00		282+22.00	Rt.	177	TURNOUT
281+97.31		287+86.50	Rt.	2,095	32' WIDE
287+86.50		288+36.50		450	NO MEDIAN
TOTAL S.Y.			96,944		

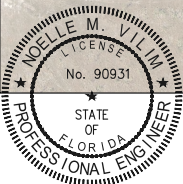
SUMMARY OF FENCING (PAY ITEM 550-10-110)						
LOCATION						QUANTITY
SIDE	STATION	OFFSET	TO	STATION	OFFSET	
Lt.	159+74.93	74.00		159+79.06	50.39	24 LF
Lt.	159+74.93	74.00		162+68.91	74.00	316 LF
Rt.	160+10.69	74.00		162+67.98	74.00	238 LF
Rt.	162+67.98	74.00		162+80.94	74.00	1 EA 12' GATE
Lt.	162+68.91	74.00		162+80.09	74.00	1 EA 12' GATE
Lt.	162+80.09	74.00		220+87.94	74.00	5,772 LF
Rt.	162+79.86	74.00		169+88.15	74.00	664 LF
Rt.	169+88.15	74.00		169+69.52	265.90	193 LF
Rt.	169+69.52	265.90		169+66.99	487.48	222 LF
Rt.	169+66.99	487.48		169+85.12	527.71	44 LF
Rt.	169+85.12	527.71		170+00.85	553.09	30 LF
Rt.	170+00.85	553.09		170+25.33	616.82	68 LF
Rt.	170+25.33	616.82		170+44.63	635.92	27 LF
Rt.	170+44.63	635.92		170+50.75	651.85	17 LF
Rt.	170+50.75	651.85		171+02.75	697.24	69 LF
Rt.	171+02.75	697.24		170+14.40	857.56	183 LF
Lt.	220+87.94	74.00		222+25.47	74.00	134 LF
Lt.	220+87.94	74.00		220+90.63	815.83	742 LF
Lt.	222+25.47	74.00		222+37.47	74.00	1 EA 12' GATE
Lt.	222+37.47	74.00		224+85.94	74.00	249 LF
Lt.	220+90.63	815.83		224+88.93	817.68	398 LF
Lt.	224+85.94	74.00		224+88.93	817.68	743 LF
Lt.	224+85.94	74.00		245+63.00	74.00	2,077 LF
Lt.	245+63.00	74.00		245+75.00	74.00	1 EA 12' GATE
Lt.	245+75.00	74.00		251+19.61	74.00	545 LF
Lt.	251+19.61	74.00		256+63.00	74.00	543 LF
Lt.	256+63.00	74.00		256+75.00	74.00	1 EA 12' GATE
Lt.	256+75.00	74.00		270+22.24	74.00	1,325 LF
Lt.	251+19.61	74.00		251+19.61	829.87	756 LF
Lt.	251+19.61	829.87		276+41.81	694.50	1,875 LF
Lt.	276+41.81	694.50		270+22.24	74.00	717 LF
Lt.	270+22.24	74.00		275+00.56	74.00	446 LF
	TOTAL FENCING PAY ITEM #550-10-110					18,417 LF
	TOTAL FENCE GATE PAY ITEM #550-60-112					5 EACH

P:\CAD\2017\17-372\3-Oaks-Ph1\PILOT PHASE\DRAINAGE BASINS AERIAL MAP.dwg 4 DRAINAGE BASINS MAP 1/26/2023 11:52:44 AM Avalon Engineering Inc.



NOTE:
ALL EXISTING AND PROPOSED
ELEVATIONS SHOWN REFER TO
N.A.V.D 1988 TO CONVERT TO
N.G.V.D. 1929 ADD 1.18'

BEGIN CONSTRUCTION: PHASE 1
STA 156+00 THREE OAKS PKWY. EXT.



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DATE	BY	REVISION DESCRIPTION
01/26/23	NV	ADDENDUM #1

BID SET PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Noelle M. Vilim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

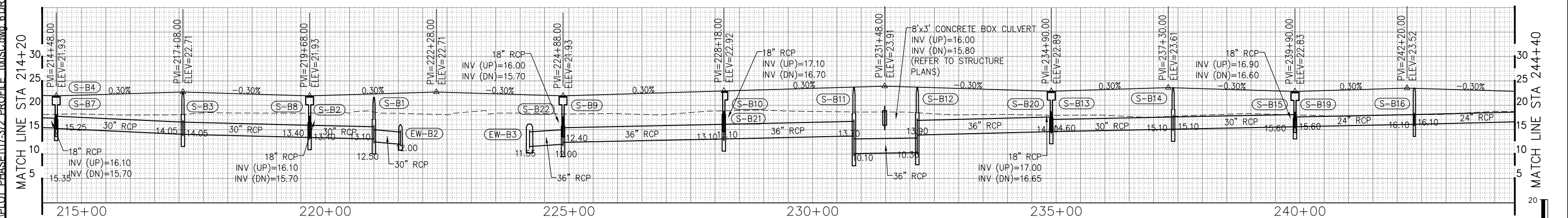
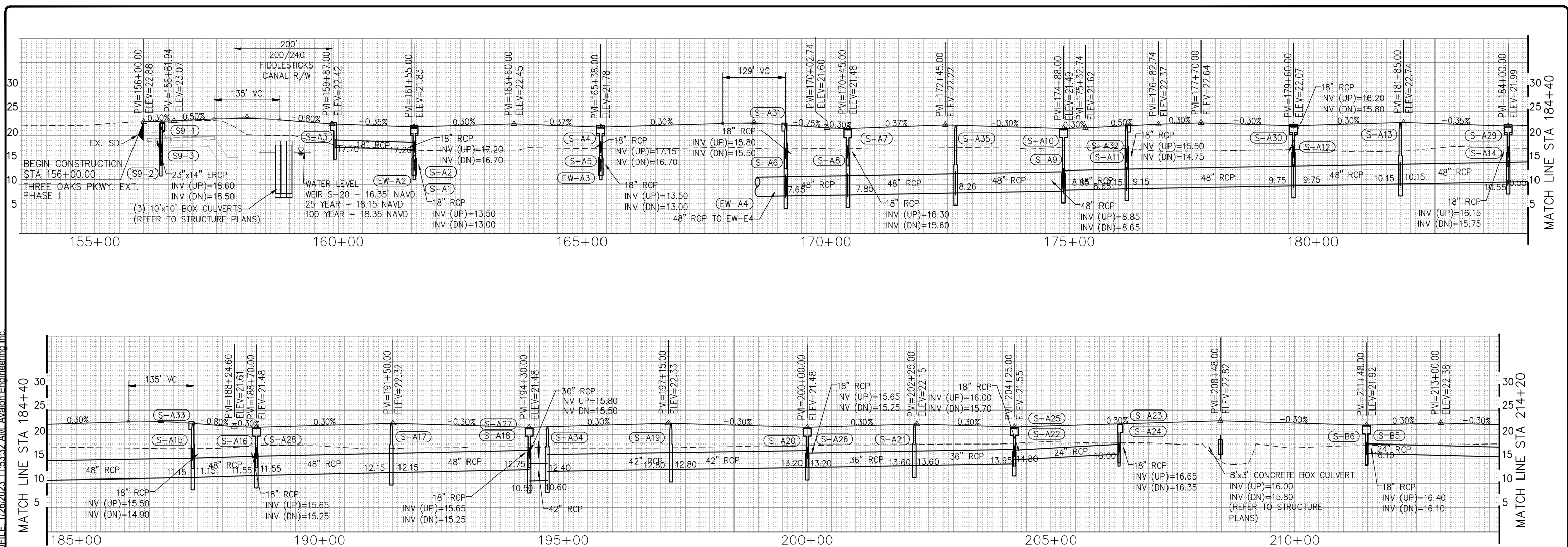
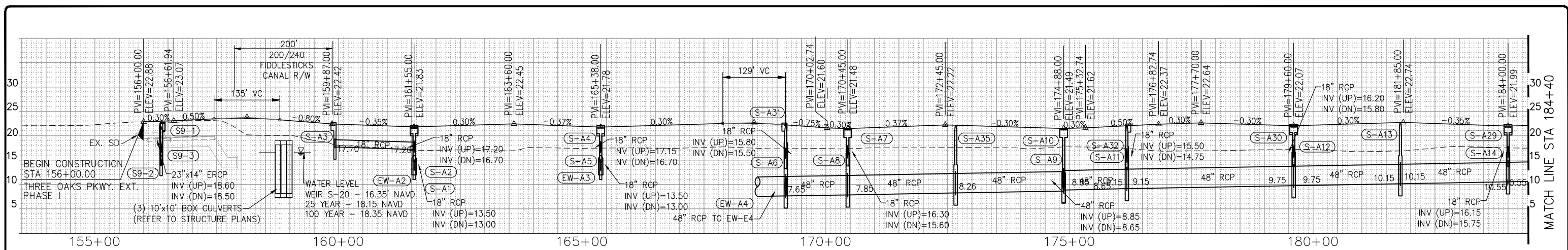
LEE COUNTY DEPARTMENT
OF
TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

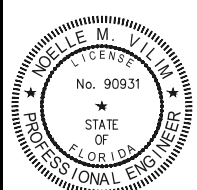
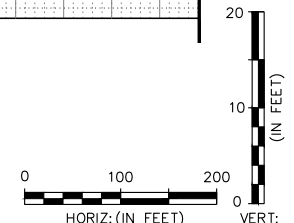
DRAINAGE BASINS MAP
THREE OAKS PKWY EXT.

SHEET
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NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.



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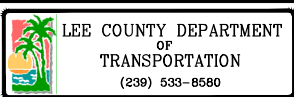
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 2503 DEL PRADO BLVD, SUITE 200
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 FBPE#3128 (239) 573-2077

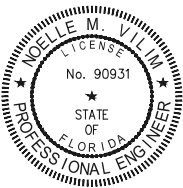


THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

DRAINAGE SYSTEM PROFILE THREE OAKS PKWY EXT.

SHEET
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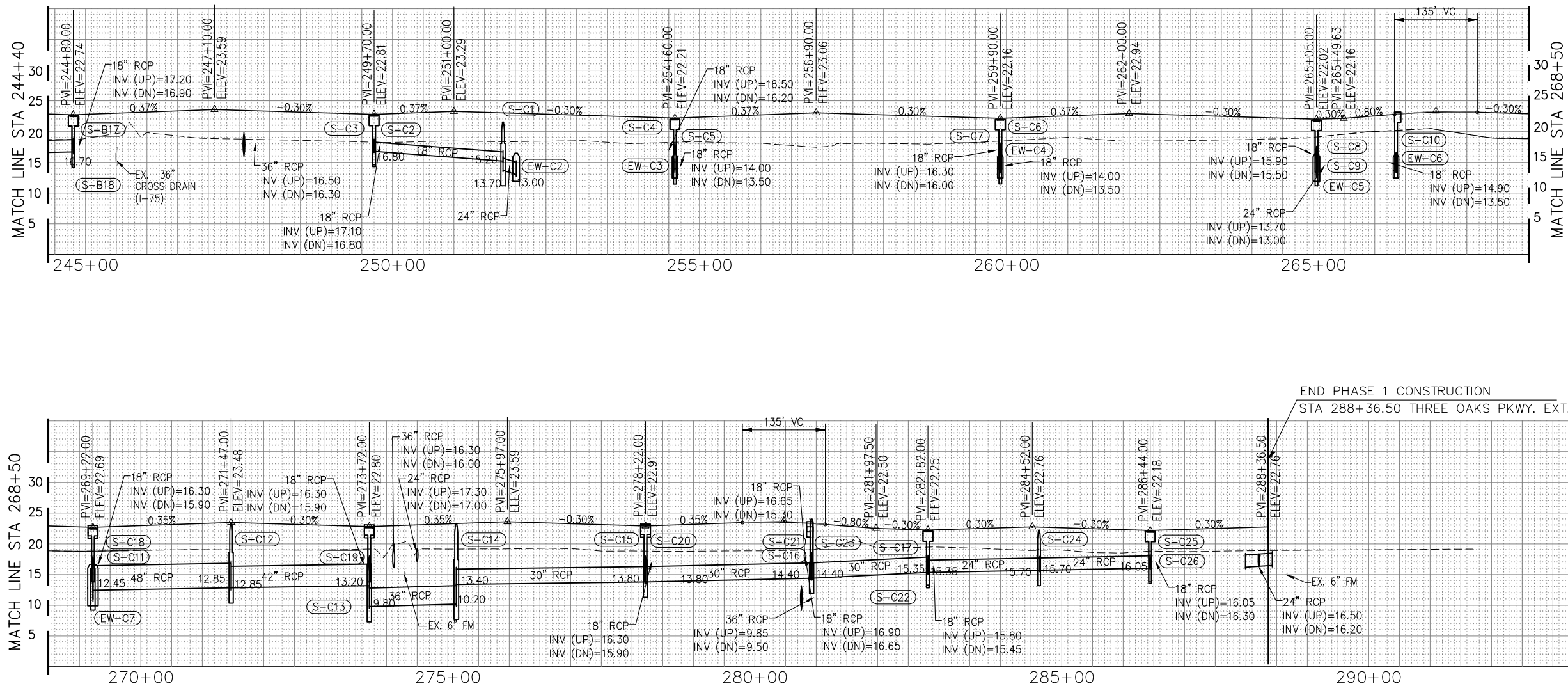
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FBPE#3128 (239) 573-2077

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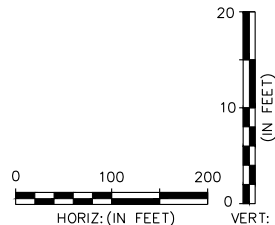
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LEE COUNTY, FLORIDA

DRAINAGE SYSTEM PROFILE
THREE OAKS PKWY EXT.

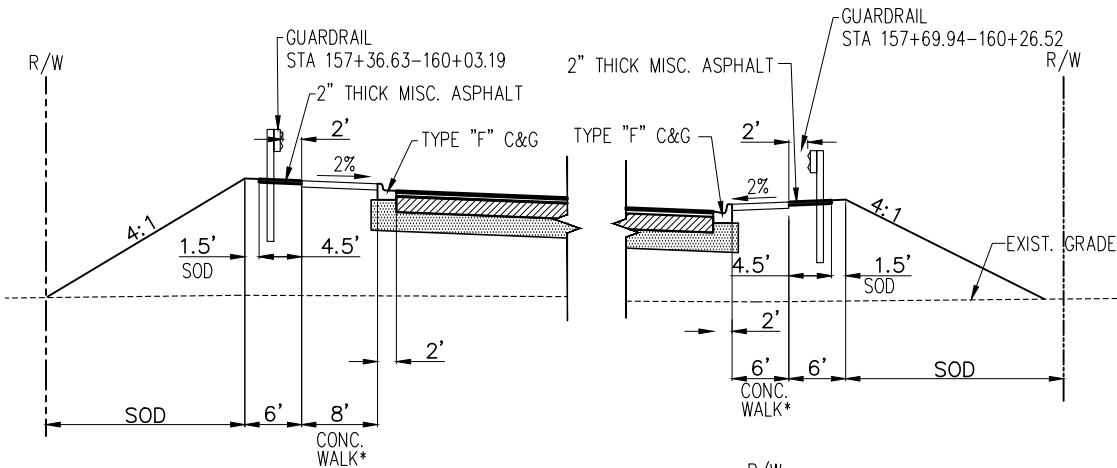
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THREE OAKS PARKWAY
SIDEWALK SECTION WITH GUARDRAIL
N.T.S.

THREE OAKS PKWY EXTENSION PAVEMENT

TRAFFIC 'C'

SURFACE COURSES

TYPE "SP-12.5" FRICTION COURSE (1.5") - FUTURE CONTRACT
TYPE "SP-12.5" STRUCTURAL COURSE (2.5")

BASE COURSE PERMITTED

(OPTIONAL BASE GROUP 9)

SUBGRADE

12" TYPE B STABILIZATION (MIN. LBR 40)

FOR ADDITIONAL DETAILS SEE FDOT STANDARD PLANS INDEX
NO. S 000-510, 000-515, 120-002, 120-001, 160-001,
430-001, 522-001, 522-002, 522-003, AND 524-001.

TRAFFIC DATA:

THREE OAKS PARKWAY EXT. TO
DANIELS PARKWAY INTERSECTION

DESIGN YEAR EST. 2040 A.A.D.T. = 27,520
DESIGN SPEED = 45 MPH (THREE OAKS PARKWAY)

* ALL CONCRETE WALK SHALL BE 6" THICK

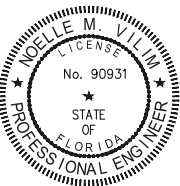
LEGEND

 NEW PAV'T SECTION

MINIMUM PAVEMENT ELEVATIONS AT PROFILE GRADE LINE (PGL) FOR SPWMD PERMITTING		
BASIN	25 YEAR-3 DAY DESIGN STAGE	MIN. PGL ELEVATION
BASIN A	20.37' NAVD	21.48' NAVD
BASIN B	20.57' NAVD	21.48' NAVD
BASIN C	19.57' NAVD	22.02' NAVD
SOUTH BASIN	20.37' NAVD (BASIN A)	22.80' NAVD

NOTE:

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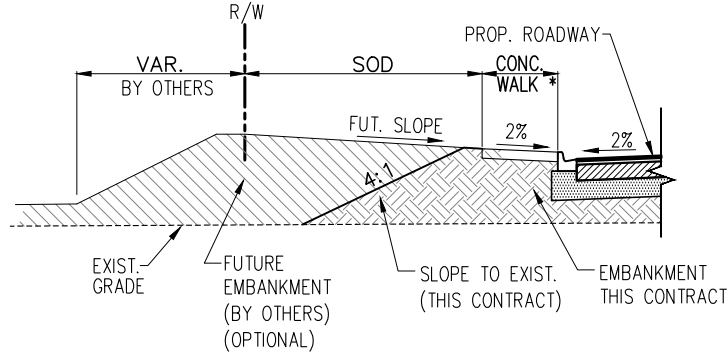
AVALLON ENGINEERING, INC.
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FBPE#3128 (239) 573-2077

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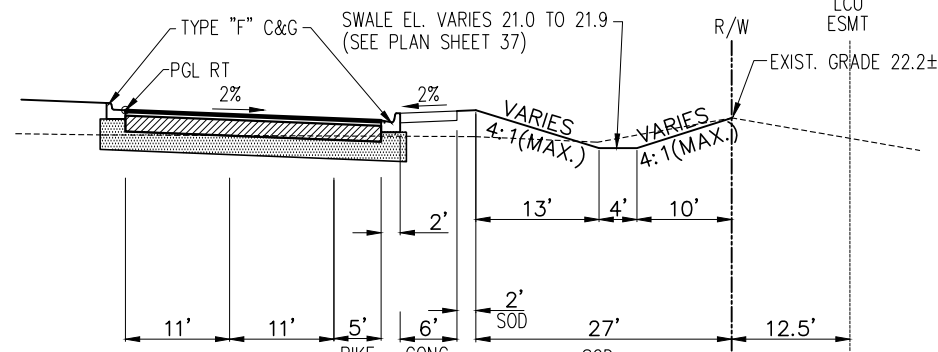
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

TYPICAL SECTIONS
THREE OAKS PKWY EXT.

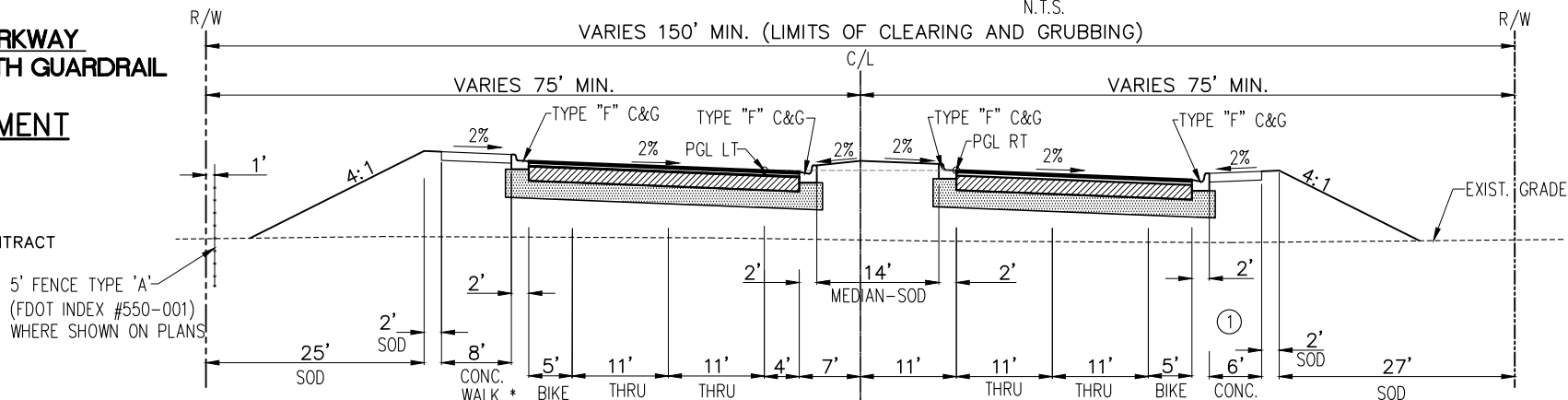
SHEET
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THREE OAKS PARKWAY
ALT. SECTION ALONG
ADJ. PROPERTY (FUTURE) FILL
N.T.S.



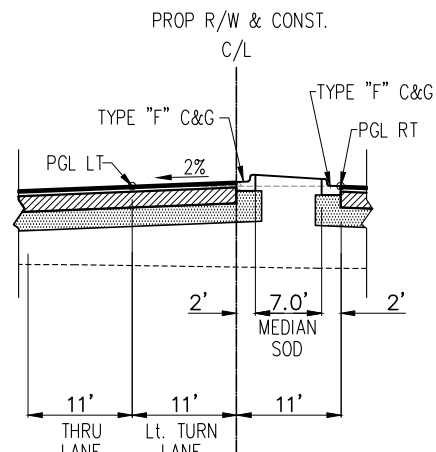
THREE OAKS PARKWAY
SWALE CONSTRUCTION-RIGHT SIDE ONLY
STA 156+00 - 157+86.92
N.T.S.



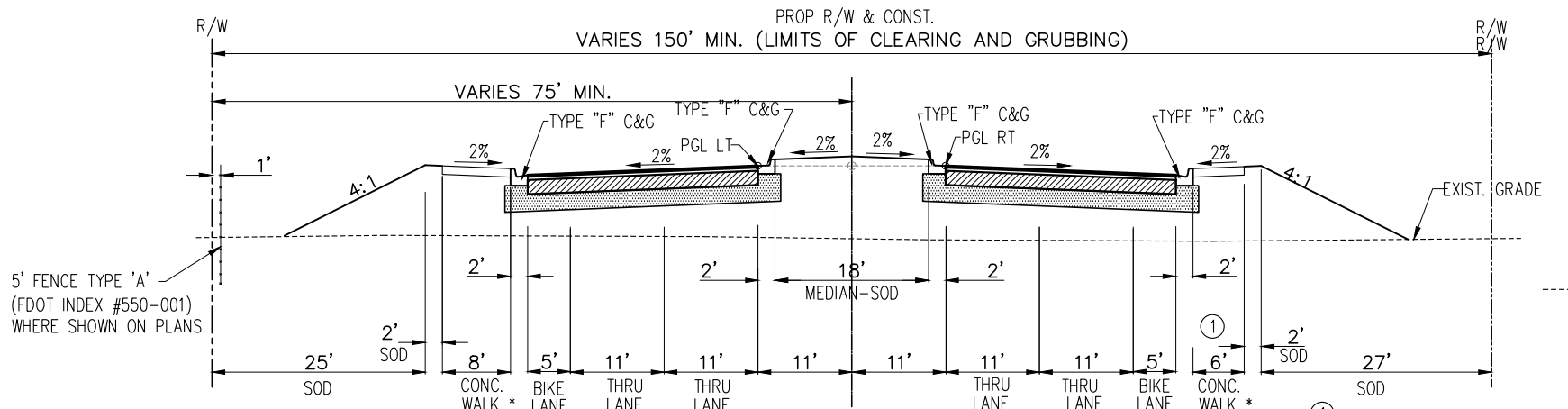
THREE OAKS PARKWAY
TYPICAL SECTION
(SUPER ELEVATION - REVERSE CROWN)
STA 156+61.94 - 170+02.74 **
STA 175+32.74 - 188+24.60
STA 265+49.63 - 281+97.31
N.T.S.

①
CONCRETE WALK WIDTH:
6' WIDE STA 256+00 - 273+94.44
8' WIDE STA 273+94.44 - 288+36.50

**REFER TO BOX CULVERT PLANS
(UNDER SEPARATE COVER)
FOR STA 157+86.94 - 159+88.27

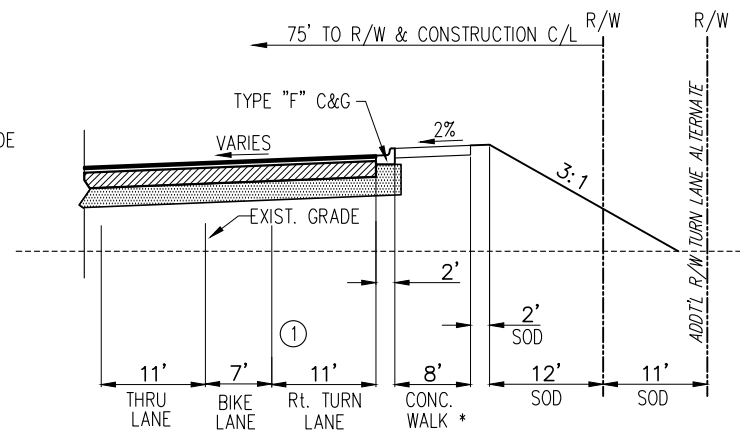


THREE OAKS PARKWAY
LEFT TURN LANE ALTERNATE
STA 282+47.50 - 287+47.50
N.T.S.



THREE OAKS PARKWAY
TYPICAL SECTION
(NORMAL CROWN)
STA 156+00 - 156+61.94 (SEE SWALE SECTION ABOVE)
STA 170+02.74 - 175+32.74
STA 188+24.60 - 265+49.63
STA 281+97.32 - 288+36.50
N.T.S.

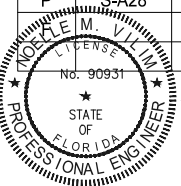
①
CONCRETE WALK WIDTH:
6' WIDE STA 256+00 - 273+94.44
8' WIDE STA 273+94.44 - 288+36.50



THREE OAKS PARKWAY
RIGHT TURN LANE ALTERNATE
STA 275+95.50 - 280+95.50
N.T.S.

P:\CAD\2017\17-372\3-Oaks-Ph1\PILOT PHASE\SUMDS.dwg, 9 SUMMARY OF 1/26/2023 11:53:48 AM Avalon Engineering Inc.

QUAN TITY				DESCRIPTION	DRAINAGE PIPE							CURB INLET					MANHOLE				DITCH BOTTOM	CONTROL STRUCTURE 425-1-559	430-982-1 29	430-982-625	REMARKS
	No. STR	SID E	STATION		430-175-118	430-175-124	430-175-130	430-175-136	430-175-142	430-175-148	430-175-218	425-1-351	425-1-152	425-1-361	425-1-461	425-1-462	425-2-41	425-2-61	425-2-91	425-2-92	425-1-521	TYPE 'E' (MOD.)	24" MES	23"x14" MES	
					18" RCP	24" RCP	30" RCP	36" RCP	42" RCP	48" RCP	23"x14" ERCP	P-5 <10'	J5 >10'	P-6 <10'	J-6 <10'	J-6 >10'	P-7 <10'	P-8 <10'	J-8 <10'	J-8 >10'	TYPE 'C' INLET				
P	S-A1	RT	161+55.00	INLET, PIPE	78									1											
F																									
P	S-A2	LT	161+55.00	INLET, PIPE	42									1											
F																									
P	S-A3	LT	159+92.50	INLET, PIPE	160											1									
F																									
P	S-A4	RT	165+38.00	INLET, PIPE	78									1											
F																									
P	S-A5	LT	165+38.00	INLET, PIPE	42									1											
F																									
P	S-A6	RT	169+17.75	MANHOLE, PIPE						96										1					
F																									
P	S-A7	RT	170+45.00	INLET, PIPE						123						1									
F																									
P	S-A8	LT	170+45.00	INLET, PIPE	73									1											
F																									
P	S-A9	RT	174+88.00	INLET, PIPE						217						1									
F																									
P	S-A10	LT	174+88.00	INLET, PIPE						71						1									
F																									
P	S-A11	LT	176+17.75	MANHOLE, PIPE						125										1					
F																									
P	S-A12	LT	179+60.00	INLET, PIPE						323						1									
F																									
P	S-A13	LT	181+79.00	MANHOLE, PIPE						204										1					
F																									
P	S-A14	LT	184+00.00	INLET, PIPE						206						1									
F																									
P	S-A15	LT	187+39.60	MANHOLE, PIPE						321										1					
F																									
P	S-A16	LT	188+70.00	INLET, PIPE						126						1									
F																									
P	S-A17	LT	191+47.00	MANHOLE, PIPE						272										1					
F																									
P	S-A18	LT	194+30.00	INLET, PIPE						278						1									
F																									
P	S-A19	LT	197+20.00	MANHOLE, PIPE					248											1					
F																									
P	S-A20	LT	200+00.00	INLET, PIPE					275					1											
F																									
P	S-A21	LT	202+20.00	MANHOLE, PIPE				215												1					
F																									
P	S-A22	LT	204+25.00	INLET, PIPE				200						1											
F																									
P	S-A23	LT	206+40.00	INLET, PIPE		211						1													
F																									
P	S-A24	RT	206+40.00	INLET, PIPE	76							1													
F																									
P	S-A25	RT	204+25.00	INLET, PIPE	73									1											
F																									
P	S-A26	RT	200+00.00	INLET, PIPE	73									1											
F																									
P	S-A27	RT	194+30.00	INLET, PIPE	74									1											
F																									
P	S-A28	RT	188+70.00	INLET, PIPE	74									1											
F																									
SHEET TOTAL					843	211	0	415	523	2362	0	3	0	9	2	7	0	0	0	7	0	0	0	0	0



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DATE	BY	REVISION DESCRIPTION
01/26/23	NV	ADDENDUM #1

BID SET PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Noelle M. Viim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

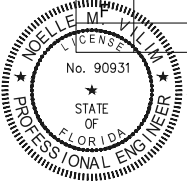
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

SUMMARY OF DRAINAGE STRUCTURES

SHEET 9 of 132

P:\CAD\2017\17-372\3-Oaks-Ph1\PILOT PHASE\SUMDS.dwg 10 SUMMARY OF 1/26/2023 11:53:50 AM Avalon Engineering Inc.

QUAN TITY				DESCRIPTION	DRAINAGE PIPE						CURB INLET					MANHOLE				DITCH BOTTOM	CONTROL STRUCTURE 425-1-559	430-982-1 29	430-982-625	REMARKS	
	No. STR	SID E	STATION		430-175-118	430-175-124	430-175-130	430-175-136	430-175-142	430-175-148	430-175-218	425-1-351	425-1-152	425-1-361	425-1-461	425-1-462	425-2-41	425-2-61	425-2-91	425-2-92	425-1-521	TYPE 'E' (MOD.)	24" MES		23"x14" MES
					18" RCP	24" RCP	30" RCP	36" RCP	42" RCP	48" RCP	23"x14" ERCP	P-5 <10'	J5 >10'	P-6 <10'	J-6 <10'	J-6 >10'	P-7 <10'	P-8 <10'	J-8 <10'	J-8 >10'	TYPE 'C' INLET				
P	S-A29	RT	184+00.00	INLET, PIPE	39									1											
F																									
P	S-A30	RT	179+60.00	INLET, PIPE	40									1											
F																									
P	S-A31	LT	169+17.75	INLET, PIPE	51							1													
F																									
P	S-A32	RT	176+17.75	INLET, PIPE	53							1													
F																									
P	S-A33	RT	187+39.60	INLET, PIPE	54							1													
F																									
P	S-A34	LT	194+67.00	MANHOLE, PIPE					34										1						
F																									
P	S-A35	RT	172+66.45	MANHOLE, PIPE						217									1						
F																									
P	S-B1	LT	221+00.00	MANHOLE, PIPE			88												1						
F																									
P	S-B2	LT	219+68.00	INLET, PIPE			127							1											
F																									
P	S-B3	LT	217+08.00	MANHOLE, PIPE			255												1						
F																									
P	S-B4	LT	214+48.00	INLET, PIPE			255							1											
F																									
P	S-B5	LT	211+48.00	INLET, PIPE		296								1											
F																									
P	S-B6	RT	211+48.00	INLET, PIPE	76									1											
F																									
P	S-B7	RT	214+48.00	INLET, PIPE	74									1											
F																									
P	S-B8	RT	219+68.00	INLET, PIPE	73									1											
F																									
P	S-B9	LT	224+88.00	INLET, PIPE				114							1										
F																									
P	S-B10	LT	228+18.00	INLET, PIPE				325					1												
F																									
P	S-B11	LT	230+85.00	MANHOLE, PIPE				262											1						
F																									
P	S-B12	LT	232+15.00	MANHOLE, PIPE				125											1						
F																									
P	S-B13	LT	234+90.00	INLET, PIPE				270						1											
F																									
P	S-B14	LT	237+40.00	MANHOLE, PIPE			245												1						
F																									
P	S-B15	LT	239+90.00	INLET, PIPE			245							1											
F																									
P	S-B16	LT	242+35.00	MANHOLE, PIPE		242											1								
F																									
P	S-B17	LT	244+80.00	INLET, PIPE		243								1											
F																									
P	S-B18	RT	244+80.00	INLET, PIPE	76									1											
F																									
P	S-B19	RT	239+90.00	INLET, PIPE	73									1											
F																									
P	S-B20	RT	234+90.00	INLET, PIPE	74									1											
F																									
P	S-B21	RT	228+18.00	INLET, PIPE	74							1													
F																									
				SHEET TOTAL	757	781	1215	1096	34	217	0	4	1	10	4	1	0	1	0	7	0	0	0	0	



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01/26/23	NV	ADDENDUM #1

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PROJ. MGR. Noelle M. Viim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

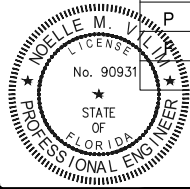
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

SUMMARY OF
DRAINAGE STRUCTURES

SHEET
10 of 132

P:\CAD\2017\17-372\3-Oaks-Ph1\1PLOT_PHASE\SUMDS.dwg, 11 SUMMARY OF 1/26/2023 11:53:55 AM Avalon Engineering Inc.



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THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

SUMMARY OF DRAINAGE STRUCTURES

SHEET 11 of 132

QUAN TITY				DESCRIPTION	DRAINAGE PIPE						CURB INLET					MANHOLE				DITCH BOTTOM	CONTROL STRUCTURE 425-1-559	430-982-1 29	430-982-625	REMARKS	
	No. STR	SID E	STATION		430-175-118	430-175-124	430-175-130	430-175-136	430-175-142	430-175-148	430-175-218	425-1-351	425-1-152	425-1-361	425-1-461	425-1-462	425-2-41	425-2-61	425-2-91	425-2-92	425-1-521	TYPE 'E' (MOD.)	24" MES		23"x14" MES
					18" RCP	24" RCP	30" RCP	36" RCP	42" RCP	48" RCP	23"x14" ERCP	P-5 <10'	J5 >10'	P-6 <10'	J-6 <10'	J-6 >10'	P-7 <10'	P-8 <10'	J-8 <10'	J-8 >10'	TYPE 'C' INLET				
P	S-B22	RT	224+88.00	INLET, PIPE	74									1											
F																									
P	S-C1	LT	251+80.00	MANHOLE, PIPE		65												1							
F																									
P	S-C2	LT	249+70.00	INLET, PIPE	208									1											
F																									
P	S-C3	RT	249+70.00	INLET, PIPE	76									1											
F																									
P	S-C4	LT	254+60.00	INLET, PIPE	78									1											
F																									
P	S-C5	RT	254+60.00	INLET, PIPE	76									1											
F																									
P	S-C6	LT	259+90.00	INLET, PIPE	78									1											
F																									
P	S-C7	RT	259+90.00	INLET, PIPE	76									1											
F																									
P	S-C8	LT	265+05.00	INLET, PIPE		80								1											
F																									
P	S-C9	RT	265+05.00	INLET, PIPE	76									1											
F																									
P	S-C10	RT	266+34.63	INLET, PIPE	123							1													
F																									
P	S-C11	LT	269+22.00	INLET, PIPE							87				1										
F																									
P	S-C12	LT	271+47.00	MANHOLE, PIPE							211									1					
F																									
P	S-C13	LT	273+72.00	INLET, PIPE						211					1										
F																									
P	S-C14	LT	275+13.75	MANHOLE, PIPE						132										1					
F																									
P	S-C15	LT	278+22.00	INLET, PIPE						290					1										
F																									
P	S-C16	LT	280+92.50	INLET, PIPE						257				1											
F																									
P	S-C17	LT	282+82.00	INLET, PIPE						186					1										
F																									
P	S-C18	RT	269+22.00	INLET, PIPE	40										1										
F																									
P	S-C19	RT	273+72.00	INLET, PIPE	40										1										
F																									
P	S-C20	RT	278+22.00	INLET, PIPE	40										1										
F																									
P	S-C21	RT	280+92.50	INLET, PIPE	40								1												
F																									
P	S-C22	RT	282+82.00	INLET, PIPE	76										1										
F																									
P	S-C23	RT	280+92.50	MANHOLE, PIPE	44													1						ALTERNATE 'BID' P-5 <10'	
F																									
P	S-C24	LT	284+63.00	INLET, PIPES		179												1							
F																									
P	S-C25	LT	286+44.00	INLET, PIPES		179									1										
F																									
P	S-C26	RT	286+44.00	INLET, PIPES	76										1										
F																									
P	S-C27	LT	280+76.00	MANHOLE, PIPE						135										1					
F																									
				SHEET TOTAL	1221	503	733	267	211	298	0	2	1	16	0	3	0	2	1	3	0	0	0		

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE\SUMDS.dwg 12 SUMMARY OF 1/26/2023 11:54:00 AM Avalon Engineering Inc.

QUAN TITY				DESCRIPTION	DRAINAGE PIPE						CURB INLET					MANHOLE				DITCH BOTTOM	CONTROL STRUCTURE 425-1-559	430-982-1 29	430-982-625	REMARKS	
	No. STR	SID E	STATION		430-175-118	430-175-124	430-175-130	430-175-136	430-175-142	430-175-148	430-175-218	425-1-351	425-1-152	425-1-361	425-1-461	425-1-462	425-2-41	425-2-61	425-2-91			425-2-92	425-1-521		24" MES
					18" RCP	24" RCP	30" RCP	36" RCP	42" RCP	48" RCP	23"x14" ERCP	P-5 <10'	J5 >10'	P-6 <10'	J-6 <10'	J-6 >10'	P-7 <10'	P-8 <10'	J-8 <10'	J-8 >10'	TYPE 'C' INLET	TYPE 'E' (MOD.)			
P	S-C28	RT	280+76.00	MANHOLE															1						
F																									
P	CS-A1	RT	161+62.69	INLET, PIPES							38										1			LAKE "A"	
F																									
P	CS-B1	LT	221+16.48	INLET, PIPE							28										1			LAKE "B"	
F																									
P	CS-C1	LT	254+82.63	INLET, PIPE							43										1			LAKE "C"	
F																									
P	MES-B1	LT	220+92.92	MES																			1	LAKE "B" OUTFALL	
F																									
P	S9-1	LT	156+36.34	INLET, PIPE	11							1													
F																									
P	S9-2	RT	156+35.78	MANHOLE												1									
F																									
P	S9-3	RT	156+35.67	INLET, PIPE							14	1													
F																									
P	S9-4	LT	156+36.88	MANHOLE, PIPE	19											1									
F																									
P	S9-5	RT	157+46.94	INLET, PIPE	109															1					
F																									
P	S9-6	RT	157+46.94	INLET, PIPE	68							1													
F																									
P	EW-A1	RT	161+88.80	ENDWALL,PIPE	19																			TO CS-A1	
F																									
P	EW-A6	RT	194+48.52	ENDWALL,PIPE			124																		
F																									
P	EW-B1	LT	221+41.59	ENDWALL,PIPE	19																			TO CS-B1	
F																									
P	EW-C1	LT	254+82.69	ENDWALL,PIPE	18																			TO CS-C1	
F																									
P	EW-C9	RT	247+58.00	ENDWALL,PIPE				128																	
F																									
P	EW-C11	RT	273+97.73	ENDWALL,PIPE				165																	
F																									
P	MES-C1	LT	287+99.09																			1			
F																									
P	MES-C2	RT	288+42.90			132																1			
F																									
				SHEET TOTAL	263	132	124	293	0	0	123	3	0	0	0	0	2	0	0	1	1	3	2	1	
				PLAN TOTAL	3084	1627	2072	2071	768	2877	123	12	2	35	6	11	2	3	1	18	1	3	2	1	
				FINAL TOTAL																					

TURN LANE ALTERNATE

QUANTITY				DESCRIPTION	DRAINAGE PIPE						CURB INLET					MANHOLE				DITCH BOTTOM	CONTROL STRUCTURE 425-1-559	430-982-129	430-982-625	REMARKS	
	No. STR	SIDE	STATION		430-175-118	430-175-124	430-175-130	430-175-136	430-175-142	430-175-148	430-175-218	425-1-351	425-1-152	425-1-361	425-1-461	425-1-462	425-2-41	425-2-61	425-2-91	425-2-92		425-1-521	24" MES		23"x14" MES
					18" RCP	24" RCP	30" RCP	36" RCP	42" RCP	48" RCP	23"x14" ERCP	P-5 <10'	J5 >10'	P-6 <10'	J-6 <10'	J-6 >10'	P-7 <10'	P-8 <10'	J-8 <10'	J-8 >10'	TYPE 'C' INLET	TYPE 'E' (MOD.)			
P	S-C23-A	RT	280+92.50	INLET								1													REPLACES S-C23
F																									
P	S-C29	RT	281+40.81	INLET, PIPE	53							1													
F																									
P	S-C30	RT	282+08.01	INLET, PIPE	65							1													
				SHEET TOTAL	118	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
				PLAN TOTAL	118	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0



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FBPE#3128 (239) 573-2077

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(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

SUMMARY OF DRAINAGE STRUCTURES

SHEET 12 of 132

P:\CAD\2017\17-3723-Oaks-Phl\PLOT PHASE\DRAINAGE STRUCTURE DATA.dwg, 13 DRAINAGE STRUCTURE DATA 1/26/2023 11:54:22 AM, Avalon Engineering Inc.

DRAINAGE STRUCTURES

(S9-1)
CONST. CURB INLET TYPE 'P-5' <10'
FDOT Index No. 425-021
STA 156+36.34 (-46.75 L)
RIM ELEV=22.73
LIP/EOP ELEV=22.35
SUMP=14.80
INV OUT (W)=16.80 18" RCP

(S9-2)
CONST. MANHOLE TYPE 'P-7' <10'
FDOT Index No. 425-001
STA 156+35.78 (60.87 R)
RIM=21.81
SUMP=11.80
INV IN (W)= 18.50 23"x14" ERCP
INV IN (N)= 13.80 18" RCP
INV OUT (S)= 18.50 EX. 23"x14" ERCP

(S9-3)
CONST. CURB INLET TYPE 'P-5' <10'
FDOT Index No. 425-021
STA 156+35.67 (44.51 R)
RIM ELEV=22.57
LIP/EOP ELEV=22.19
SUMP=16.60
INV OUT (E)=18.60 23"x14" ERCP

(S9-4)
CONST. MANHOLE TYPE 'P-7' <10'
FDOT Index No. 425-001
STA 156+36.88 (-61.74 L)
RIM=22.69
SUMP=14.60
INV IN (E)=16.70 18" RCP
INV OUT (S)=16.60 18" RCP

(S9-5)
CONST. DITCH BOTTOM INLET TYPE C <10'
FDOT Index No. 425-052
STA 157+46.94 (65.00 R)
GRATE ELEV=21.00
SUMP=12.00
INV IN (W)=16.00 18" RCP
INV OUT (S)=14.00 18" RCP

(S9-6)
CONST. CURB INLET TYPE 'P-5' <10'
FDOT Index No. 425-021
STA 157+46.94 (-5.75 L)
RIM ELEV=23.86
LIP/EOP ELEV=23.48
SUMP=14.20
INV OUT (E)=16.20 18" RCP

(S-A1)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 161+55.00 (39.25 R)
RIM ELEV=21.67
LIP/EOP ELEV=21.29
SUMP=11.50
INV IN (W)=16.70 18" RCP
INV OUT (E)=13.50 18" RCP

(S-A2)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 161+55.00 (-5.75 L)
RIM ELEV=22.12
LIP/EOP ELEV=21.75
SUMP=15.20
INV IN (S)=17.20 18" RCP
INV OUT (E)=17.20 18" RCP

(S-A3)
CONST. CURB INLET TYPE 'P-5' <10'
FDOT Index No. 425-021
STA 159+92.50 (-5.75 L)
RIM ELEV=22.69
LIP/EOP ELEV=22.32
SUMP=15.70
INV OUT (N)=17.70 18" RCP

(S-A4)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 165+38.00 (39.25 R)
RIM ELEV=21.62
LIP/EOP ELEV=21.24
SUMP=11.50
INV IN (NW)=16.70 18" RCP
INV OUT (SE)=13.50 18" RCP

(S-A5)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 165+38.00 (-5.75 L)
RIM ELEV=22.07
LIP/EOP ELEV=21.70
SUMP=15.15
INV OUT (SE)=17.15 18" RCP

(S-A6)
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 169+17.75 (50.00 R)
RIM=22.07
SUMP=5.65
INV IN (NE)=7.65 48" RCP
INV IN (NW)=15.50 18" RCP
INV OUT (S)=7.65 48" RCP

(S-A7)
CONST. CURB INLET TYPE 'J-6' >10'
FDOT Index No. 425-021
STA 170+45.00 (39.25 R)
RIM ELEV=21.32
LIP/EOP ELEV=20.94
SUMP=5.85
INV IN (NW)=15.60 18" RCP
INV IN (NE)=7.85 48" RCP
INV OUT (SW)=7.85 48" RCP

(S-A8)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 170+45.00 (-39.25 L)
RIM ELEV=21.31
LIP/EOP ELEV=20.94
SUMP=14.30
INV OUT (SE)=16.30 18" RCP

(S-A9)
CONST. CURB INLET TYPE 'J-6' >10'
FDOT Index No. 425-021
STA 174+88.00 (39.25 R)
RIM ELEV=21.33
LIP/EOP ELEV=20.95
SUMP=6.65
INV IN (NW)=8.65 48" RCP
INV OUT (SW)=8.65 48" RCP

(S-A10)
CONST. CURB INLET TYPE 'J-6' >10'
FDOT Index No. 425-021
STA 174+88.00 (-39.25 L)
RIM ELEV=21.33
LIP/EOP ELEV=20.95
SUMP=6.85
INV IN (NE)=8.85 48" RCP
INV OUT (SE)=8.85 48" RCP

(S-A11)
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 176+17.75 (-52.00 L)
RIM=22.08
SUMP=7.15
INV IN (SE)=14.75 18" RCP
INV IN (NE)=9.15 48" RCP
INV OUT (SW)=9.15 48" RCP

(S-A12)
CONST. CURB INLET TYPE 'J-6' >10'
FDOT Index No. 425-021
STA 179+60.00 (-39.25 L)
RIM ELEV=21.90
LIP/EOP ELEV=21.53
SUMP=7.75
INV IN (SE)=15.80 18" RCP
INV IN (NE)=9.75 48" RCP
INV OUT (SW)=9.75 48" RCP

(S-A13)
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 181+79.00 (-52.00 L)
RIM=22.76
SUMP=8.15
INV IN (NE)=10.15 48" RCP
INV OUT (SW)=10.15 48" RCP

(S-A14)
CONST. CURB INLET TYPE 'J-6' >10'
FDOT Index No. 425-021
STA 184+00.00 (-39.25 L)
RIM ELEV=21.82
LIP/EOP ELEV=21.45
SUMP=8.55
INV IN (N)=10.55 48" RCP
INV IN (E)=15.75 18" RCP
INV OUT (SW)=10.55 48" RCP

(S-A15)
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 187+39.60 (-52.00 L)
RIM=22.33
SUMP=9.15
INV IN (E)=14.90 18" RCP
INV IN (N)=11.15 48" RCP
INV OUT (S)=11.15 48" RCP

(S-A16)
CONST. CURB INLET TYPE 'J-6' >10'
FDOT Index No. 425-021
STA 188+70.00 (-39.25 L)
RIM ELEV=21.31
LIP/EOP ELEV=20.94
SUMP=9.55
INV IN (E)=15.25 18" RCP
INV IN (N)=11.55 48" RCP
INV OUT (S)=11.55 48" RCP

(S-A17)
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 191+47.00 (-52.00 L)
RIM=22.34
SUMP=10.15
INV IN (N)=12.15 48" RCP
INV OUT (S)=12.15 48" RCP

(S-A18)
CONST. CURB INLET TYPE 'J-6' >10'
FDOT Index No. 425-021
STA 194+30.00 (-39.25 L)
RIM ELEV=21.31
LIP/EOP ELEV=20.94
SUMP=8.50
INV IN (N)=10.50 42" RCP
INV IN (E)=15.25 18" RCP
INV OUT (S)=12.75 48" RCP

(S-A19)
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 197+20.00 (-52.00 L)
RIM=22.35
SUMP=10.80
INV IN (N)=12.80 42" RCP
INV OUT (S)=12.80 42" RCP

(S-A20)
CONST. CURB INLET TYPE 'J-6' <10'
FDOT Index No. 425-021
STA 200+00.00 (-39.25 L)
RIM ELEV=21.31
LIP/EOP ELEV=20.94
SUMP=11.20
INV IN (N)=13.20 36" RCP
INV IN (E)=15.25 18" RCP
INV OUT (S)=13.20 42" RCP

(S-A21)
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 202+20.00 (-52.00 L)
RIM=22.17
SUMP=11.60
INV IN (N)=13.60 36" RCP
INV OUT (S)=13.60 36" RCP

(S-A22)
CONST. CURB INLET TYPE 'J-6' <10'
FDOT Index No. 425-021
STA 204+25.00 (-39.25 L)
RIM ELEV=21.39
LIP/EOP ELEV=21.01
SUMP=11.95
INV IN (E)=15.70 18" RCP
INV IN (N)=14.80 24" RCP
INV OUT (S)=13.95 36" RCP

(S-A23)
CONST. CURB INLET TYPE 'P-5' <10'
FDOT Index No. 425-021
STA 206+40.00 (-39.25 L)
RIM ELEV=22.03
LIP/EOP ELEV=21.66
SUMP=14.00
INV IN (E)=16.35 18" RCP
INV OUT (S)=16.00 24" RCP

(S-A24)
CONST. CURB INLET TYPE 'P-5' <10'
FDOT Index No. 425-021
STA 206+40.00 (39.25 R)
RIM ELEV=22.03
LIP/EOP ELEV=21.66
SUMP=14.65
INV OUT (W)=16.65 18" RCP

(S-A25)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 204+25.00 (39.25 R)
RIM ELEV=21.39
LIP/EOP ELEV=21.01
SUMP=14.00
INV OUT (W)=16.00 18" RCP

(S-A26)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 200+00.00 (39.25 R)
RIM ELEV=21.31
LIP/EOP ELEV=20.94
SUMP=13.65
INV OUT (W)=15.65 18" RCP

(S-A27)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 194+30.00 (39.25 R)
RIM ELEV=21.31
LIP/EOP ELEV=20.94
SUMP=13.65
INV OUT (W)=15.65 18" RCP

(S-A28)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 188+70.00 (39.25 R)
RIM ELEV=21.31
LIP/EOP ELEV=20.94
SUMP=13.65
INV OUT (W)=15.65 18" RCP

(S-A29)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 184+00.00 (5.75 R)
RIM ELEV=22.28
LIP/EOP ELEV=21.91
SUMP=14.15
INV OUT (W)=16.15 18" RCP

(S-A30)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 179+60.00 (5.75 R)
RIM ELEV=22.36
LIP/EOP ELEV=21.99
SUMP=14.20
INV OUT (NW)=16.20 18" RCP

(S-A31)
CONST. CURB INLET TYPE 'P-5' <10'
FDOT Index No. 425-021
STA 169+17.75 (-5.75 L)
RIM ELEV=22.61
LIP/EOP ELEV=22.23
SUMP=13.80
INV OUT (SE)=15.80 18" RCP

ALL P-5 AND P-6 INLETS SHALL BE INSTALLED WITH A BLEED DOWN FOR THE 2.5" ASPHALT STRUCTURAL COURSE. SEE DETAIL SHEET 66. (BLEED DOWN TO BE PLUGGED AT TIME OF FINAL LIFT CONSTRUCTION)

(S-A32)
CONST. CURB INLET TYPE 'P-5' <10'
FDOT Index No. 425-021
STA 176+17.75 (5.75 R)
RIM ELEV=22.42
LIP/EOP ELEV=22.04
SUMP=13.50
INV OUT (NW)=15.50 18" RCP

(S-A33)
CONST. CURB INLET TYPE 'P-5' <10'
FDOT Index No. 425-021
STA 187+39.60 (5.75 R)
RIM ELEV=22.66
LIP/EOP ELEV=22.28
SUMP=13.50
INV OUT (W)=15.50 18" RCP

(S-A34)
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 194+67.00 (-52.00 L)
RIM=21.62
SUMP=8.60
INV IN (N)=12.40 42" RCP
INV OUT (S)=10.60 42" RCP

(S-A35)
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 172+66.45 (50.00 R)
RIM=22.15
SUMP=6.26
INV IN (NE)=8.26 48" RCP
INV OUT (SW)=8.26 48" RCP

(S-B1)
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 221+00.00 (-60.00 L)
RIM=21.63
SUMP=10.50
INV IN (S)=13.10 30" RCP
INV OUT (NW)=12.50 30" RCP

(S-B2)
CONST. CURB INLET TYPE 'J-6' <10'
FDOT Index No. 425-021
STA 219+68.00 (-39.25 L)
RIM ELEV=21.77
LIP/EOP ELEV=21.39
SUMP=11.40
INV IN (E)=15.70 18" RCP
INV IN (S)=13.40 30" RCP
INV OUT (N)=13.40 30" RCP

(S-B3)
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 217+08.00 (-52.00 L)
RIM=22.75
SUMP=12.05
INV IN (S)=14.05 30" RCP
INV OUT (N)=14.05 30" RCP

(S-B4)
CONST. CURB INLET TYPE 'J-6' <10'
FDOT Index No. 425-021
STA 214+48.00 (-39.25 L)
RIM ELEV=21.77
LIP/EOP ELEV=21.39
SUMP=13.25
INV IN (E)=15.70 18" RCP
INV IN (S)=15.35 24" RCP
INV OUT (N)=15.25 30" RCP

(S-B5)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 211+48.00 (-39.25 L)
RIM ELEV=21.76
LIP/EOP ELEV=21.38
SUMP=14.10
INV IN (E)=16.10 18" RCP
INV OUT (N)=16.10 24" RCP

(S-B6)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 211+48.00 (39.25 R)
RIM ELEV=21.76
LIP/EOP ELEV=21.38
SUMP=14.40
INV OUT (W)=16.40 18" RCP

(S-B7)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 214+48.00 (39.25 R)
RIM ELEV=21.77
LIP/EOP ELEV=21.39
SUMP=14.10
INV OUT (W)=16.10 18" RCP

(S-B8)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 219+68.00 (39.25 R)
RIM ELEV=21.77
LIP/EOP ELEV=21.39
SUMP=14.10
INV OUT (W)=16.10 18" RCP

(S-B9)
CONST. CURB INLET TYPE 'J-6' >10'
FDOT Index No. 425-021
STA 224+88.00 (-39.25 L)
RIM ELEV=21.77
LIP/EOP ELEV=21.39
SUMP=10.00
INV IN (E)=15.70 18" RCP
INV IN (N)=12.40 36" RCP
INV OUT (SW)=12.00 36" RCP

(S-B10)
CONST. CURB INLET TYPE 'J-5' >10'
FDOT Index No. 425-021
STA 228+18.00 (-39.25 L)
RIM ELEV=22.76
LIP/EOP ELEV=22.38
SUMP=11.10
INV IN (E)=16.70 18" RCP
INV IN (N)=13.10 36" RCP
INV OUT (S)=13.10 36" RCP

(S-B11)
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 230+85.00 (-44.00 L)
RIM=23.60
SUMP=8.10
INV IN (N)=10.10 36" RCP
INV OUT (S)=13.70 36" RCP

(S-B12)
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 232+15.00 (-44.00 L)
RIM=23.59
SUMP=8.30
INV IN (N)=13.90 36" RCP
INV OUT (S)=10.30 36" RCP

(S-B13)
CONST. CURB INLET TYPE 'J-6' <10'
FDOT Index No. 425-021
STA 234+90.00 (-39.25 L)
RIM ELEV=22.72
LIP/EOP ELEV=22.35
SUMP=12.60
INV IN (E)=16.65 18" RCP
INV IN (N)=14.60 30" RCP
INV OUT (S)=14.60 36" RCP

(S-B14)
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 237+40.00 (-52.00 L)
RIM=23.61
SUMP=13.10
INV IN (N)=15.10 30" RCP
INV OUT (S)=15.10 30" RCP

(S-B15)
CONST. CURB INLET TYPE 'J-6' <10'
FDOT Index No. 425-021
STA 239+90.00 (-39.25 L)
RIM ELEV=22.66
LIP/EOP ELEV=22.29
SUMP=13.60
INV IN (E)=16.60 18" RCP
INV IN (N)=15.60 24" RCP
INV OUT (S)=15.60 30" RCP

(S-B16)
CONST. MANHOLE TYPE 'P-8' <10'
FDOT Index No. 425-001
STA 242+35.00 (-52.00 L)
RIM=23.51
SUMP=14.10
INV IN (N)=16.10 24" RCP
INV OUT (S)=16.10 24" RCP

(S-B17)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 244+80.00 (-39.25 L)
RIM ELEV=22.57
LIP/EOP ELEV=22.20
SUMP=14.70
INV IN (E)=16.90 18" RCP
INV OUT (S)=16.70 24" RCP

(S-B18)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 244+80.00 (39.25 R)
RIM ELEV=22.57
LIP/EOP ELEV=22.20
SUMP=15.20
INV OUT (W)=17.20 18" RCP

(S-B19)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 239+90.00 (39.25 R)
RIM ELEV=22.66
LIP/EOP ELEV=22.29
SUMP=14.90
INV OUT (W)=16.90 18" RCP

(S-B20)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 234+90.00 (39.25 R)
RIM ELEV=22.72
LIP/EOP ELEV=22.35
SUMP=15.00
INV OUT (W)=17.00 18" RCP

(S-B21)
CONST. CURB INLET TYPE 'P-5' <10'
FDOT Index No. 425-021
STA 228+18.00 (39.25 R)
RIM ELEV=22.76
LIP/EOP ELEV=22.38
SUMP=15.10
INV OUT (W)=17.10 18" RCP

(S-B22)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 224+88.00 (39.25 R)
RIM ELEV=21.77
LIP/EOP ELEV=21.39
SUMP=14.00
INV OUT (W)=16.00 18" RCP

NOTES:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.
2.) SEE SHT. 14 FOR ADDITIONAL NOTES.



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DATE	BY	REVISION DESCRIPTION
01/26/23	NV	ADDENDUM #1

BID SET PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Noelle M. Vilim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

DRAINAGE STRUCTURE DATA
THREE OAKS PKWY EXT.

SHEET

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DRAINAGE STRUCTURES

(S=C1)
CONST. MANHOLE TYPE 'J-8' <10'
FDOT Index No. 425-001
STA 251+80.00 (-64.00 L)
RIM=21.56
SUMP=11.70
INV IN (S)=15.20 18" RCP
INV OUT (W)=13.70 24" RCP

(S=C2)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 249+70.00 (-39.25 L)
RIM ELEV=22.64
LIP/EOP ELEV=22.27
SUMP=14.80
INV IN (E)=16.80 18" RCP
INV OUT (N)=16.80 18" RCP

(S=C3)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 249+70.00 (39.25 R)
RIM ELEV=22.64
LIP/EOP ELEV=22.27
SUMP=15.10
INV OUT (W)=17.10 18" RCP

(S=C4)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 254+60.00 (-39.25 L)
RIM ELEV=22.04
LIP/EOP ELEV=21.67
SUMP=11.97
INV IN (E)=16.20 18" RCP
INV OUT (W)=14.00 18" RCP

(S=C5)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 254+60.00 (39.25 R)
RIM ELEV=22.04
LIP/EOP ELEV=21.67
SUMP=14.50
INV OUT (W)=16.50 18" RCP

(S=C6)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 259+90.00 (-39.25 L)
RIM ELEV=21.99
LIP/EOP ELEV=21.62
SUMP=12.00
INV IN (E)=16.00 18" RCP
INV OUT (W)=14.00 18" RCP

(S=C7)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 259+90.00 (39.25 R)
RIM ELEV=21.99
LIP/EOP ELEV=21.62
SUMP=14.30
INV OUT (W)=16.30 18" RCP

(S=C8)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 265+05.00 (-39.25 L)
RIM ELEV=21.86
LIP/EOP ELEV=21.48
SUMP=11.70
INV IN (E)=15.50 18" RCP
INV OUT (W)=13.70 24" RCP

(S=C9)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 265+05.00 (39.25 R)
RIM ELEV=21.86
LIP/EOP ELEV=21.48
SUMP=13.90
INV OUT (W)=15.90 18" RCP

(S=C10)
CONST. CURB INLET TYPE 'P-5' <10'
FDOT Index No. 425-021
STA 266+34.63 (5.75 R)
RIM ELEV=23.20
LIP/EOP ELEV=22.82
SUMP=12.90
INV OUT (W)=14.90 18" RCP

(S=C11)
CONST. CURB INLET TYPE 'J-6' >10'
FDOT Index No. 425-021
STA 269+22.00 (-39.25 L)
RIM ELEV=22.52
LIP/EOP ELEV=22.15
SUMP=9.70
INV IN (NW)=12.45 48" RCP
INV IN (E)=15.90 18" RCP
INV OUT (W)=11.70 48" RCP

(S=C12)
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 271+47.00 (-52.00 L)
RIM=23.51
SUMP=10.85
INV IN (NW)=12.85 42" RCP
INV OUT (SE)=12.85 48" RCP

(S=C13)
CONST. CURB INLET TYPE 'J-6' >10'
FDOT Index No. 425-021
STA 273+72.00 (-39.25 L)
RIM ELEV=22.64
LIP/EOP ELEV=22.26
SUMP=7.80
INV IN (NW)=9.80 36" RCP
INV IN (NE)=15.90 18" RCP
INV OUT (SE)=13.20 42" RCP

(S=C14)
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 275+13.75 (-52.00 L)
RIM=23.33
SUMP=8.20
INV IN (NW)=13.40 30" RCP
INV OUT (SE)=10.20 36" RCP

(S=C15)
CONST. CURB INLET TYPE 'J-6' >10'
FDOT Index No. 425-021
STA 278+22.00 (-39.25 L)
RIM ELEV=22.75
LIP/EOP ELEV=22.37
SUMP=11.80
INV IN (NW)=13.80 30" RCP
INV IN (NE)=15.90 18" RCP
INV OUT (SE)=13.80 30" RCP

(S=C16)
CONST. CURB INLET TYPE 'J-5' >10'
FDOT Index No. 425-021
STA 280+92.50 (-39.25 L)
RIM ELEV=22.77
LIP/EOP ELEV=22.40
SUMP=12.40
INV IN (W)=14.40 30" RCP
INV IN (N)=15.30 18" RCP
INV OUT (SE)=14.40 30" RCP

(S=C17)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 282+82.00 (-39.25 L)
RIM ELEV=22.08
LIP/EOP ELEV=21.71
SUMP=13.35
INV IN (N)=15.45 18" RCP
INV IN (W)=15.35 24" RCP
INV IN (W)= 15.35 24" RCP
INV OUT (E)= 15.35 30" RCP

(S=C18)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 269+22.00 (5.75 R)
RIM ELEV=22.98
LIP/EOP ELEV=22.61
SUMP=14.30
INV OUT (W)=16.30 18" RCP

(S=C19)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 273+72.00 (5.75 R)
RIM ELEV=23.10
LIP/EOP ELEV=22.72
SUMP=14.30
INV OUT (SW)=16.30 18" RCP

(S=C20)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 278+22.00 (5.75 R)
RIM ELEV=23.21
LIP/EOP ELEV=22.83
SUMP=14.30
INV OUT (SW)=16.30 18" RCP

(S=C21)
CONST. CURB INLET TYPE 'P-5' <10'
FDOT Index No. 425-021
STA 280+92.50 (5.75 R)
RIM ELEV=23.61
LIP/EOP ELEV=23.23
SUMP=14.65
INV IN (N)=16.65 18" RCP
INV OUT (S)=16.65 18" RCP

(S=C22)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 282+82.00 (39.25 R)
RIM ELEV=22.08
LIP/EOP ELEV=21.71
SUMP=13.80
INV OUT (S)=15.80 18" RCP

(S=C23)
CONST. MANHOLE TYPE 'P-8' <10' FDOT
Index No. 425-001
STA 280+92.50 (52.25 R)
RIM ELEV=24.03
LIP/EOP ELEV=23.65
SUMP=14.90
INV OUT (S)=16.90 18" RCP

(S=C24)
CONST. MANHOLE TYPE 'P-8' <10'
FDOT Index No. 425-001
STA 284+63.00 (-52.00 L)
RIM=22.22
SUMP=13.70
INV IN (W)=15.70 24" RCP
INV OUT (E)=15.70 24" RCP

(S=C25)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 286+44.00 (-39.25 L)
RIM ELEV=22.02
LIP/EOP ELEV=21.65
SUMP=14.05
INV IN (N)=16.05 18" RCP
INV OUT (E)=16.05 24" RCP

(S=C26)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 286+44.00 (39.25 R)
RIM ELEV=22.02
LIP/EOP ELEV=21.65
SUMP=14.30
INV OUT (S)=16.30 18" RCP

(S=C27)
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 280+76.00 (-70.00 L)
RIM=19.20
SUMP=7.50
INV IN (N)=9.50 36" RCP

(S=C28)
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 280+76.00 (70.00 R)
RIM=19.28
SUMP=7.85
INV OUT (S)=9.85 36" RCP

ENDWALLS

(EW=A1)
CONST. 18" STRAIGHT CONC. ENDWALL
FDOT INDEX 430-030
STA 161+92.68 (366.78 R)
INV (S)=13.80 18" RCP

(EW=A2)
CONST. 18" STRAIGHT CONC. ENDWALL
FDOT Index No. 430-030
STA 161+55.00 (119.45 R)
INV (W)=13.00 18" RCP

(EW=A3)
CONST. 18" STRAIGHT CONC. ENDWALL
FDOT Index No. 430-030
STA 165+38.00 (119.45 R)
INV (NW)=13.00 18" RCP

(EW=A4)
CONST. 48" STRAIGHT CONC. ENDWALL
FDOT Index No. 430-030
STA 168+69.33 (136.23 R)
INV (N)=7.55 48" RCP

(EW=A5)
CONST. 30" STRAIGHT CONC. ENDWALL
FDOT INDEX 430-030
STA 194+48.52 (-62.00 L)
INV (E)=15.50 30" RCP

(EW=A6)
CONST. 30" STRAIGHT CONC. ENDWALL
FDOT INDEX 430-030
STA 194+48.52 (62.00 R)
INV (W)=15.80 30" RCP

(EW=B1)
CONST. 18" STRAIGHT CONC. ENDWALL
FDOT INDEX 430-030
STA 221+53.07 (-745.49 L)
INV (SW)=13.80 18" RCP

(EW=B2)
CONST. 30" STRAIGHT CONC. ENDWALL
FDOT Index No. 430-030
STA 221+54.33 (-132.80 L)
INV (SE)=12.00 30" RCP

(EW=B3)
CONST. 36" STRAIGHT CONC. ENDWALL
FDOT Index No. 430-030
STA 224+19.21 (-134.11 L)
INV (NE)=11.55 36" RCP

(EW=C1)
CONST. 18" STRAIGHT CONC. ENDWALL
FDOT INDEX 425-030
STA 254+82.69 (-728.59 L)
INV (W)=13.80 18" RCP

ENDWALLS

(EW=C2)
CONST. 24" STRAIGHT CONC. ENDWALL
FDOT Index No. 430-030
STA 252+01.45 (-128.34 L)
INV (E)=13.00 24" RCP

(EW=C3)
CONST. 18" STRAIGHT CONC. ENDWALL
FDOT Index No. 430-030
STA 254+60.00 (-119.45 L)
INV (E)=13.50 18" RCP

(EW=C4)
CONST. 18" STRAIGHT CONC. ENDWALL
FDOT Index No. 430-030
STA 259+90.00 (-119.45 L)
INV (E)=13.50 18" RCP

(EW=C5)
CONST. 24" STRAIGHT CONC. ENDWALL
FDOT Index No. 430-030
STA 265+05.00 (-121.45 L)
INV (E)=13.00 24" RCP

(EW=C6)
CONST. 18" STRAIGHT CONC. ENDWALL
FDOT Index No. 430-030
STA 266+34.63 (-119.45 L)
INV (E)=13.50 18" RCP

(EW=C7)
CONST. 48" STRAIGHT CONC. ENDWALL
FDOT Index No. 430-030
STA 269+22.00 (-128.29 L)
INV (E)=11.00 48" RCP

(EW=C8)
CONST. 36" STRAIGHT CONC. ENDWALL
FDOT INDEX 430-030
STA 247+58.00 (-64.00 L)
INV (E)=16.30 36" RCP

(EW=C9)
CONST. 36" STRAIGHT CONC. ENDWALL
FDOT INDEX 430-030
STA 247+58.00 (64.00 R)
INV (W)=16.50 36" RCP

(EW=C10)
CONST. 36" STRAIGHT CONC. ENDWALL
FDOT Index No. 430-030
STA 274+59.47 (-64.00 L)
INV (E)=16.00 36" RCP

(EW=C11)
CONST. 36" STRAIGHT CONC. ENDWALL
FDOT Index No. 430-030
STA 273+58.31 (66.00 R)
INV (W)=16.30 36" RCP

CONTROL STRUCTURES

(CS=A1)
STA 161+62.69 (374.34 R)
CONST. FDOT Index No. 425-052
Inlet Type "E" (Modified)
GRATE=20.87
TOP OF WALL (WEIR) EL.=20.37
RECT. NOTCH 0.25'H X 0.88'W
RECT. NOTCH INVERT EL.=17.82
SUMP=12.30
INV IN (N)=14.30 (18"RCP)
INV OUT (S)=14.80 (23"x14" ERCP)

(CS=B1)
STA 221+38.68 (-759.85 L)
CONST. FDOT Index No. 425-052
Inlet Type "E" (Modified)
GRATE=21.07
TOP OF WALL (WEIR) EL.=20.57
RECT. NOTCH 0.25'H X 0.80'W
RECT. NOTCH INVERT EL.=17.82
SUMP=12.30
INV IN (NE)=14.30 (18"RCP)
INV OUT (SW)=17.55 (23"x14" ERCP)

(CS=C1)
STA 254+82.63 (-748.84 L)
CONST. FDOT Index No. 425-052
Inlet Type "E" (Modified)
GRATE=20.40
TOP OF WALL (WEIR) EL.=19.57
RECT. NOTCH 0.42'H X 1.25'W
RECT. NOTCH INVERT EL.=18.32
SUMP=12.30
INV IN (E)=14.30 (18"RCP)
INV OUT (W)=17.75 (23"x14" ERCP)

MITERED END SECTIONS

(MES=B1)
CONST. 23"x14" ERCP MES
FDOT INDEX 425-021
STA 221+16.48 (-782.01 L)
INV (NE)=17.30 23" RCP
(C=MES1)
CONST. 24" RCP MES
FDOT INDEX 425-021
STA 287+99.09 (-65.10 L)
INV (N)=16.20 24" RCP
(C=MES2)
CONST. 24" RCP MES
FDOT INDEX 425-021
STA 288+42.90 (65.06 R)
INV (S)=16.50 24" RCP

DRAINAGE STRUCTURES FOR
TURN LANE ALTERNATE

(S=C23-A)
CONST. CURB INLET TYPE 'P-5' <10'
FDOT Index No. 425-021
STA 280+92.50 (52.25 R)
RIM ELEV=24.03
LIP/EOP ELEV=23.66
SUMP=14.90
INV IN (NW)= 16.90 18" RCP
INV OUT (S)= 16.90 18" RCP

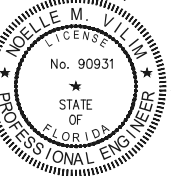
(S=C29)
CONST. CURB INLET TYPE 'P-5' <10'
FDOT Index No. 425-021
STA 281+40.81 (83.00 R)
RIM ELEV=22.01
LIP/EOP ELEV=21.64
SUMP=15.10
INV IN (W)=17.10 18" RCP
INV OUT (SE)=17.10 18" RCP

(S=C30)
CONST. CURB INLET TYPE 'P-5' <10'
FDOT Index No. 425-021
STA 282+08.01 (83.00 R)
RIM ELEV=22.09
LIP/EOP ELEV=21.72
SUMP=15.30
INV OUT (E)=17.30 18" RCP

ALL P-5 AND P-6 INLETS SHALL BE INSTALLED
WITH A BLEED DOWN FOR THE 2.5" ASPHALT
STRUCTURAL COURSE. SEE DETAIL SHEET
66. (BLEED DOWN TO BE PLUGGED AT TIME
OF FINAL LIFT CONSTRUCTION)

NOTES:

- 1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988.
TO CONVERT TO N.G.V.D.1929 ADD 1.18 FT.
- 2.) STATIONING BASED ON CL OF CONSTRUCTION.
- 3.) OFFSET FOR DRAINAGE STRUCTURES ARE LOCATED AS FOLLOWS:
FOR TYPE 'P' & 'J' CURB INLETS - AT THE LOC. REF. POINT AS SHOWN ON
F.D.O.T. INDEX NO. 425-021,
FOR DITCH BOTTOM INLETS - AT THE CENTER OF THE INLET,
FOR MANHOLES - AT THE CENTER OF THE MANHOLE RIM,
FOR MITERED END SECTIONS - AT THE LOC. REF. POINT AS SHOWN ON F.D.O.T.
INDEX NO. 430-021,
FOR ENDWALLS - AT THE STANDARD LOCATION CONTROL AS SHOWN ON
F.D.O.T. INDEX NO. 430-030.



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DATE	BY	REVISION DESCRIPTION
01/26/23	NV	ADDENDUM #1

BID SET PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Noelle M. Vilim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

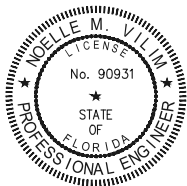
LEE COUNTY DEPARTMENT
OF
TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

DRAINAGE STRUCTURE DATA
THREE OAKS PKWY EXT.

SHEET
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LEE COUNTY, FLORIDA

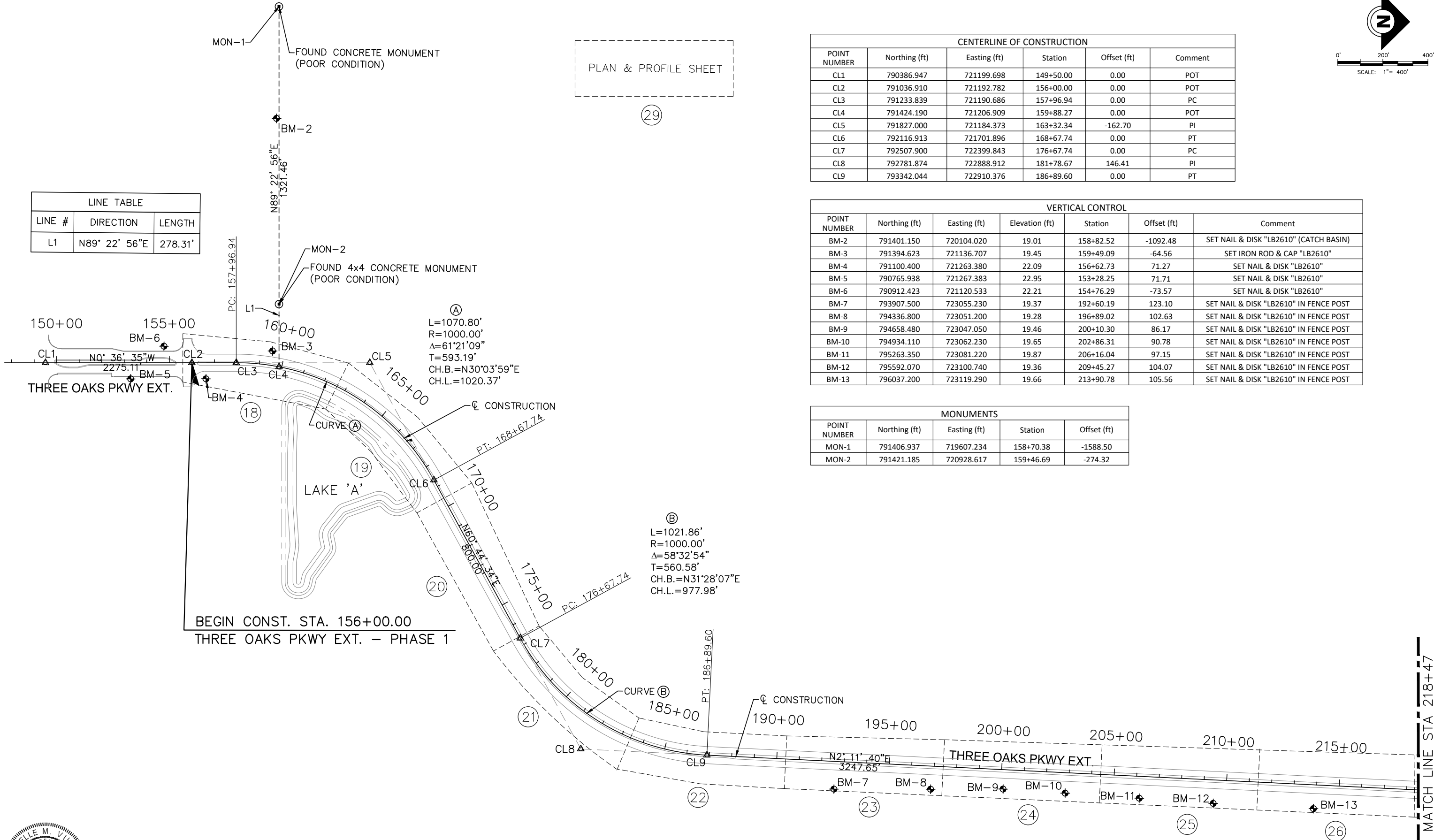
PROJECT LAYOUT
THREE OAKS PKWY EXT.

SHEET
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PLAN & PROFILE SHEET

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LINE TABLE		
LINE #	DIRECTION	LENGTH
L1	N89° 22' 56"E	278.31'



CENTERLINE OF CONSTRUCTION

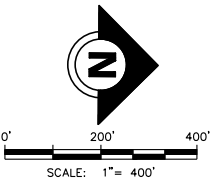
POINT NUMBER	Northing (ft)	Easting (ft)	Station	Offset (ft)	Comment
CL1	790386.947	721199.698	149+50.00	0.00	POT
CL2	791036.910	721192.782	156+00.00	0.00	POT
CL3	791233.839	721190.686	157+96.94	0.00	PC
CL4	791424.190	721206.909	159+88.27	0.00	POT
CL5	791827.000	721184.373	163+32.34	-162.70	PI
CL6	792116.913	721701.896	168+67.74	0.00	PT
CL7	792507.900	722399.843	176+67.74	0.00	PC
CL8	792781.874	722888.912	181+78.67	146.41	PI
CL9	793342.044	722910.376	186+89.60	0.00	PT

VERTICAL CONTROL

POINT NUMBER	Northing (ft)	Easting (ft)	Elevation (ft)	Station	Offset (ft)	Comment
BM-2	791401.150	720104.020	19.01	158+82.52	-1092.48	SET NAIL & DISK "LB2610" (CATCH BASIN)
BM-3	791394.623	721136.707	19.45	159+49.09	-64.56	SET IRON ROD & CAP "LB2610"
BM-4	791100.400	721263.380	22.09	156+62.73	71.27	SET NAIL & DISK "LB2610"
BM-5	790765.938	721267.383	22.95	153+28.25	71.71	SET NAIL & DISK "LB2610"
BM-6	790912.423	721120.533	22.21	154+76.29	-73.57	SET NAIL & DISK "LB2610"
BM-7	793907.500	723055.230	19.37	192+60.19	123.10	SET NAIL & DISK "LB2610" IN FENCE POST
BM-8	794336.800	723051.200	19.28	196+89.02	102.63	SET NAIL & DISK "LB2610" IN FENCE POST
BM-9	794658.480	723047.050	19.46	200+10.30	86.17	SET NAIL & DISK "LB2610" IN FENCE POST
BM-10	794934.110	723062.230	19.65	202+86.31	90.78	SET NAIL & DISK "LB2610" IN FENCE POST
BM-11	795263.350	723081.220	19.87	206+16.04	97.15	SET NAIL & DISK "LB2610" IN FENCE POST
BM-12	795592.070	723100.740	19.36	209+45.27	104.07	SET NAIL & DISK "LB2610" IN FENCE POST
BM-13	796037.200	723119.290	19.66	213+90.78	105.56	SET NAIL & DISK "LB2610" IN FENCE POST

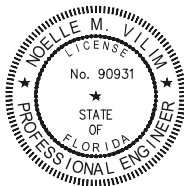
MONUMENTS

POINT NUMBER	Northing (ft)	Easting (ft)	Station	Offset (ft)
MON-1	791406.937	719607.234	158+70.38	-1588.50
MON-2	791421.185	720928.617	159+46.69	-274.32



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MATCH LINE STA 218+47



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(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

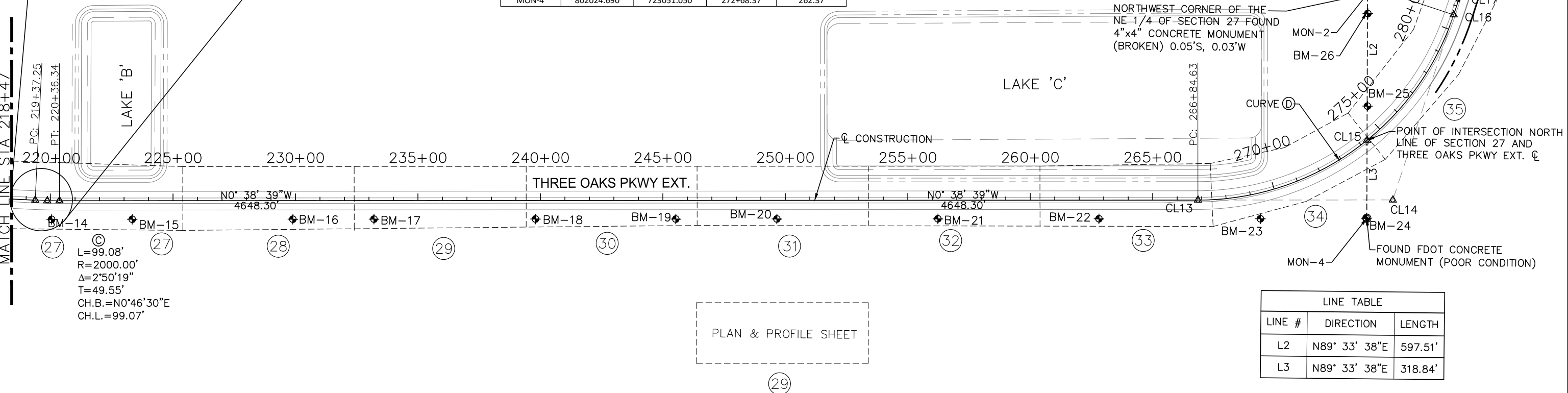
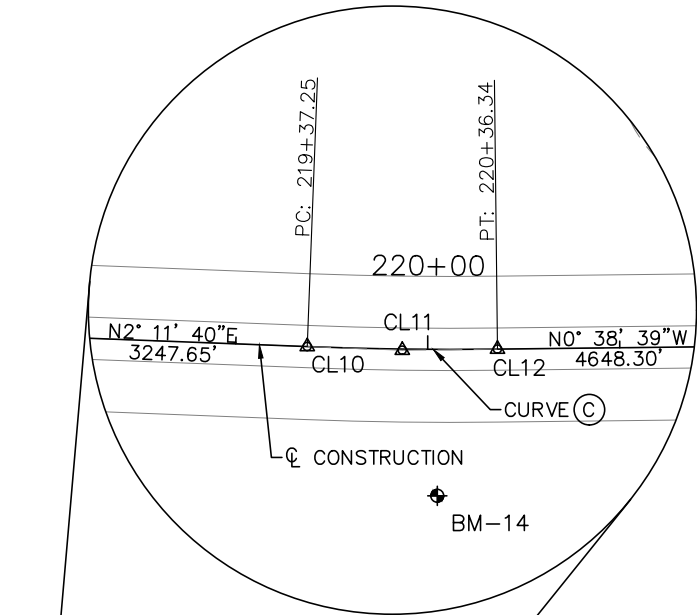
PROJECT LAYOUT
THREE OAKS PKWY EXT.

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CENTERLINE OF CONSTRUCTION					
POINT NUMBER	Northing (ft)	Easting (ft)	Station	Offset (ft)	Comment
CL0	796587.314	723034.728	219+37.25	0.00	PC
CL11	796636.830	723036.625	219+86.79	0.61	PI
CL12	796686.379	723036.068	220+36.34	0.00	PT
CL13	801334.381	722983.809	266+84.63	0.00	PC
CL14	802130.001	722974.863	273+73.47	257.61	PI
CL15	802022.244	722732.217	274+31.32	0.00	POT
CL16	802370.544	722216.424	280+62.31	0.00	PT
CL17	802404.914	722108.052	281+76.00	0.00	POT
CL18	802604.593	721478.457	288+36.50	0.00	POT

VERTICAL CONTROL						
POINT NUMBER	Northing (ft)	Easting (ft)	Elevation (ft)	Station	Offset (ft)	Comment
BM-14	796655.070	723112.420	19.91	220+05.35	76.25	SET NAIL & DISK "LB2610" IN FENCE POST
BM-15	796984.350	723108.430	19.69	223+33.48	75.71	SET NAIL & DISK "LB2610" IN FENCE POST
BM-16	797640.100	723101.230	20.15	229+89.27	75.88	SET NAIL & DISK "LB2610" IN FENCE POST
BM-17	797971.300	723097.440	19.76	233+20.49	75.81	SET NAIL & DISK "LB2610" IN FENCE POST
BM-18	798630.680	723089.940	19.34	239+79.91	75.73	SET NAIL & DISK "LB2610" IN FENCE POST
BM-19	799203.530	723084.090	21.19	245+52.79	76.32	SET NAIL & DISK "LB2610" IN FENCE POST
BM-20	799616.140	723079.250	20.41	249+65.43	76.12	SET NAIL & DISK "LB2610" IN FENCE POST
BM-21	800273.610	723071.640	20.23	256+22.94	75.90	SET NAIL & DISK "LB2610" IN FENCE POST
BM-22	800931.130	723064.600	20.60	262+80.50	76.25	SET NAIL & DISK "LB2610" IN FENCE POST
BM-23	801590.360	723057.390	20.78	269+19.55	103.80	SET NAIL & DISK "LB2610" IN FENCE POST
BM-24	802023.190	723051.280	20.53	272+67.24	261.79	SET NAIL & DISK "LB2610" IN FENCE POST
BM-25	802022.610	722592.890	20.85	275+29.64	-103.24	SET NAIL & DISK "LB2610" IN FENCE POST
BM-26	802020.010	722215.060	20.97	279+12.82	-327.42	SET NAIL & DISK "LB2610" IN FENCE POST

MONUMENTS				
POINT NUMBER	Northing (ft)	Easting (ft)	Station	Offset (ft)
MON-3	802017.661	722134.724	280+19.45	-360.51
MON-4	802024.690	723051.050	272+68.37	262.37



LINE TABLE		
LINE #	DIRECTION	LENGTH
L2	N89° 33' 38"E	597.51'
L3	N89° 33' 38"E	318.84'

P:\CAD\2017\17-3723-Oaks-Ph1\PLOT PHASE1.dwg 17 GENERAL NOTES 1/26/2023 11:54:40 AM Avalon Engineering, Inc.

GENERAL CONSTRUCTION NOTES

1. UNLESS OTHERWISE NOTED, ALL ELEVATIONS REFER TO MEAN SEA LEVEL, N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FEET.
2. CONTRACTOR SHALL LOCATE AND VERIFY THE SIZE, LOCATION AND DEPTH OF ALL EXISTING UTILITIES IN THE FIELD AND SHALL NOTIFY THE UTILITY COMPANIES IN THE AREA BEFORE BEGINNING CONSTRUCTION. ANY UTILITIES THAT ARE DISTURBED OR DAMAGED BY THE CONTRACTOR SHALL BE IMMEDIATELY REPAIRED OR REPLACED BY THE CONTRACTOR AT THEIR EXPENSE. ANY DISCREPANCY NOT CALLED TO THE ENGINEER'S ATTENTION PRIOR TO ACCOMPLISHMENT OF THE WORK SHALL BE CORRECTED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
3. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS, BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL UTILITIES AND BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE FEATURES AFFECTING THEIR WORK. ANYTHING NOT SHOWN ON THESE DRAWINGS THAT WILL CAUSE A CHANGE TO THE CONSTRUCTION PROJECT SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER AND SHALL NOT CONSTITUTE AN EXTRA, UNLESS APPROVED BY THE ENGINEER.
4. THE CONTRACTOR SHALL PROVIDE AT LEAST 48 HOURS NOTICE TO THE INDIVIDUAL UTILITY COMPANIES, LEE COUNTY UTILITIES (LCU) AND L.C.D.O.T. PRIOR TO CONSTRUCTION.
5. ALL MATERIALS AND WORKMANSHIP UNDER THIS PROJECT SHALL BE IN STRICT ACCORDANCE WITH THE CURRENT CONSTRUCTION STANDARDS AND SPECIFICATIONS OF LEE COUNTY DEVELOPMENT STANDARDS, LEE COUNTY DEPARTMENT OF TRANSPORTATION (LCDOT), FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED JULY 2020 AND STANDARD PLANS FOR ROADWAY FY 2020–2021, UNLESS OTHERWISE NOTED.
6. CONCRETE SIDEWALK AND DRIVES: CONSTRUCTED PER FDOT SPECIFICATIONS SECTION 522 AND FDOT STANDARD PLANS FOR CONSTRUCTION INDEX 520–001. APPLY A BROOM FINISH.
7. CONCRETE CURB & GUTTER AND STRAIGHT CURB: CONSTRUCTED PER FDOT SPECIFICATIONS SECTION 520 AND FDOT STANDARD PLANS FOR CONSTRUCTION INDEX 522–001 WITH THE EXCEPTION THAT ALL CONCRETE WALKS AND DRIVES SHALL BE 6" THICK. APPLY A BROOM FINISH.
8. CONSTRUCTION OF NEW DRIVEWAYS AND/OR ALLEYS SHALL BE IN STRICT ACCORDANCE WITH THE CONSTRUCTION STANDARDS AND SPECIFICATIONS OF LEE COUNTY DEPARTMENT OF TRANSPORTATION. ALL EXISTING GRADES ALONG RIGHT–OF–WAY SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
9. ALL CONSTRUCTION WITHIN THE COUNTY RIGHT–OF–WAY SHALL BE IN STRICT ACCORDANCE WITH THE CURRENT LEE COUNTY DEPARTMENT OF TRANSPORTATION STANDARDS AND ALL REQUIRED INSPECTIONS PERFORMED AS REQUIRED BY THEM. CONTRACTOR SHALL PROVIDE BOND AND PERMIT FEE AS REQUIRED.
10. PAVEMENT MARKINGS AND SIGNS SHALL BE IN STRICT ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AND FDOT STANDARD INDEX #711–001 & #711–002.
11. ALL PERVIOUS AREAS WITHIN THE PROJECT CONSTRUCTION LIMITS SHALL BE GRASSED, SODDED OR MULCHED; OR IN ACCORDANCE WITH THE APPROVED LANDSCAPE PLAN IF INCLUDED WITH THIS PLAN SET OR PROVIDED SEPARATELY AS PART OF CONTRACT.
12. CONTRACTOR SHALL VERIFY ALL QUANTITIES SHOWN ON THE PLANS. IF ANY DISCREPANCIES IN QUANTITIES ARE FOUND, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND/OR L.C.D.O.T.
13. ALL REGULATORY AND PERMITTING AGENCIES' REQUIREMENTS SHALL BE COMPLIED WITH.
14. APPROPRIATE TURBIDITY CONTROL DEVICES (E.G. SILT FENCES, SYNTHETIC BAILS) WILL BE UTILIZED DURING ALL PHASES OF INSTALLATION AND GRADING. CONTRACTOR IS RESPONSIBLE FOR SUBMITTING THE NPDES NOTICE OF INTENT, NOTICE OF TERMINATION, AND LEE COUNTY RIGHT OF WAY PERMITS. NOI MUST BE FILED WITH FDEP IN ACCORDANCE WITH DEP DOCUMENT NO. 62–621 AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR DEVELOPING AND MAINTAINING AN EFFECTIVE STORMWATER POLLUTION PREVENTION PLAN.
15. TRAFFIC MUST BE MAINTAINED AT ALL TIMES AS PER LEE COUNTY DEPARTMENT OF TRANSPORTATION (L.C.D.O.T.) AND PER FLORIDA DEPARTMENT OF TRANSPORTATION (F.D.O.T.) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
16. THE CONTRACTOR SHALL REPLACE ALL PAVEMENT, CURBS, DRIVEWAYS, SIDEWALKS, FENCES, ETC., WITH THE SAME TYPE OF MATERIAL THAT WAS REMOVED DURING CONSTRUCTION OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL RESTORE ALL AREAS AFFECTED BY THE CONSTRUCTION TO ITS ORIGINAL CONDITION, OR BETTER.
17. WITHIN THE L.C.D.O.T. RIGHT–OF–WAY, ALL DISTURBED AREAS SHALL RECEIVE SODDING MATERIALS IN ACCORDANCE WITH F.D.O.T. SPECIFICATIONS. THOSE AREAS THAT ARE CLASSIFIED AS DRAINAGE DITCHES SHALL RECEIVE FULL SOLID SOD.
18. THE INFORMATION PROVIDED IN THESE PLANS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF WORK. ALL CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATIONS THEY MAY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSION REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH THEIR BIDS WILL BE BASED.
19. ALL FRAMES, COVERS, VALVE BOXES, METER BOXES, AND MANHOLES SHALL BE ADJUSTED TO FINISHED GRADE UPON COMPLETION OF PAVING OR RELATED CONSTRUCTION. ALL VALVE PADS SHALL BE POURED IN PLACE. NO PRE–FORMED VALVE PADS ALLOWED.
20. THE CONTRACTOR SHALL REMOVE AND REPLACE ALL UNSUITABLE FILL MATERIAL ENCOUNTERED WITHIN THE ROADWAY. THE DETERMINATION OF UNSUITABILITY AND EXTENT OF REMOVAL MUST BE COORDINATED WITH AND APPROVED BY THE L.C.D.O.T. AND/OR THE ENGINEER. THE REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL SHALL BE PAID FOR ON A CUBIC YARD BASIS UNDER PAY ITEM NO. 120–4. WORK UNDER THIS ITEM INCLUDES REPLACING THE EXCAVATED UNSUITABLE MATERIAL WITH SUITABLE MATERIAL COMPACTED AS REQUIRED. UPON EXCAVATION OF ANY UNSUITABLE MATERIAL THE CONTRACTOR SHALL STOCKPILE THE MATERIAL ON–SITE IN SUCH A FASHION THAT A REASONABLE ESTIMATE OF THE TOTAL REMOVED VOLUME CAN BE MADE. EXCAVATED UNSUITABLE MATERIAL MAY BE PLACED IN SELECTED LOCATIONS ALONG THE ROADWAY SIDE SLOPES WITH APPROVAL FROM THE L.C.D.O.T. AND/OR ENGINEER. (SEE NOTE FOR MEDIAN BACKFILL)
21. WATER TABLE SHOWN ON CROSS SECTIONS MAY DIFFER FROM SHWT.
22. OFFSET FOR DRAINAGE STRUCTURES ARE LOCATED AS FOLLOWS: FOR TYPE 'P' CURB INLETS – ALONG THE CENTER LINE OF THE CURB INLET AT THE CENTER OF STRUCTURE, FOR TYPE 'J' CURB INLETS – ALONG THE CENTER LINE OF THE CURB INLET AT THE EDGE OF PAVEMENT, FOR DITCH BOTTOM INLETS – AT THE CENTER OF THE INLET, FOR MANHOLES – AT THE CENTER OF THE MANHOLE RIM, FOR MITERED END SECTIONS – AT THE LOC. REF. POINT AS SHOWN ON F.D.O.T. INDEX NO. 430–021, FOR ENDWALLS – AT THE STANDARD LOCATION CONTROL AS SHOWN ON F.D.O.T. INDEX NO. 430–030.
23. THERE WILL BE NO ADDITIONAL PAYMENT IF ROCK IS ENCOUNTERED. IT IS CONSIDERED INCIDENTAL TO THE ACTIVITY BEING PERFORMED.
24. COST OF SODDING TO INCLUDE FERTILIZER AND WATER NECESSARY TO SUSTAIN SOD THROUGHOUT CONSTRUCTION. COST OF SODDING TO ALSO INCLUDE REGULAR MOWING IN ACCORDANCE WITH FDOT SPECIFICATION SECTION 107.
25. CONTRACTOR IS REQUIRED TO SUBMIT MAINTENANCE OF TRAFFIC (M.O.T.) PLANS FOR REVIEW AND APPROVAL BY L.C.D.O.T. PRIOR TO CONSTRUCTION. M.O.T. PLANS SHALL BE IN ACCORDANCE WITH THE LATEST VERSION (2020–2021) OF FDOT DESIGN STANDARDS.
26. COST OF FILTER FABRIC TO BE INCLUDED IN THE COST OF RIPRAP.
27. IF REQUIRED, DEWATERING PERMITS SHALL BE SOLICITED AND SECURED BY THE CONTRACTOR.
28. ANY CONSTRUCTION ACTIVITY OUTSIDE OF THE R/W LINES SHALL BE COORDINATED BY THE CONTRACTOR WITH THE ADJACENT PROPERTY OWNER IN WRITING AND A COPY OF THE APPROVAL SHALL BE PROVIDED TO L.C.D.O.T.

UTILITY INFORMATION:

TELEPHONE: CENTURY LINK
2820 CARGO STREET
FORT MYERS, FL 33916
(239) 332–0841

REFUSE: WASTE PRO
13110 RICKENBACKER PARKWAY
FORT MYERS, FL 33913
(239) 337–0800

WATER/SEWER: LEE COUNTY UTILITIES
1500 MONROE STREET
FORT MYERS, FL 33901
(239) 533–8160

CABLE: COMCAST
26100 BONITA GRANDE DRIVE
BONITA SPRINGS, FL 34135
(855) 616–9200

ELECTRIC: FLORIDA POWER AND LIGHT
15834 WINKLER ROAD
FORT MYERS, FL 33908
(239) 267–0974

FIRE DISTRICT: SAN CARLOS PARK FIRE PROTECTION
& RESCUE SERVICE DISTRICT
19591 BEN HILL GRIFFIN PARKWAY
FORT MYERS, FL 33913
(239) 267–7525

LEGEND

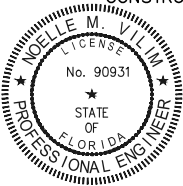
	PROPOSED FORCE MAIN
	PROPOSED FIRE HYDRANT ASSEMBLY W\PIPE BOLLARDS (TYP)
	PROPOSED WATER MAIN & G.V.
	PROPOSED SANITARY SEWER MAIN (SDR 26 PVC) W\MANHOLE
	PROPOSED 6" SEWER LATERAL W\CLEAN–OUT
	PROPOSED LAKE
	ROCK BOULDER RIP–RAP OVER FILTER FABRIC
	EXIST. STORM DRAIN & INLET
	STRUCTURE I.D.
	PROP. STORM DRAIN & INLET
	MATCH EXISTING GRADE POINT
	PROPOSED CONTOUR ELEVATION
	PROPOSED ELEVATION (NAVD)
	EXISTING ELEVATION (NAVD)
	DRAINAGE FLOW ARROW
	FDOT (INDEX #522–002) SIDEWALK CURB RAMP W/I.D. TYPE AND DETECTABLE WARNING
	BENCHMARK NUMBER, DESCRIPTION, ELEVATION, AND LOCATION.
	AB–XXX SOIL BORING NUMBER & LOCATION

NOTE: SEE UNIVERSAL ENGINEERING SCIENCES' GEOTECHNICAL REPORT FOR BORING LOGS AND ADDITIONAL GEOTECHNICAL INFORMATION

ABBREVIATIONS

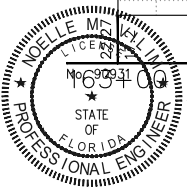
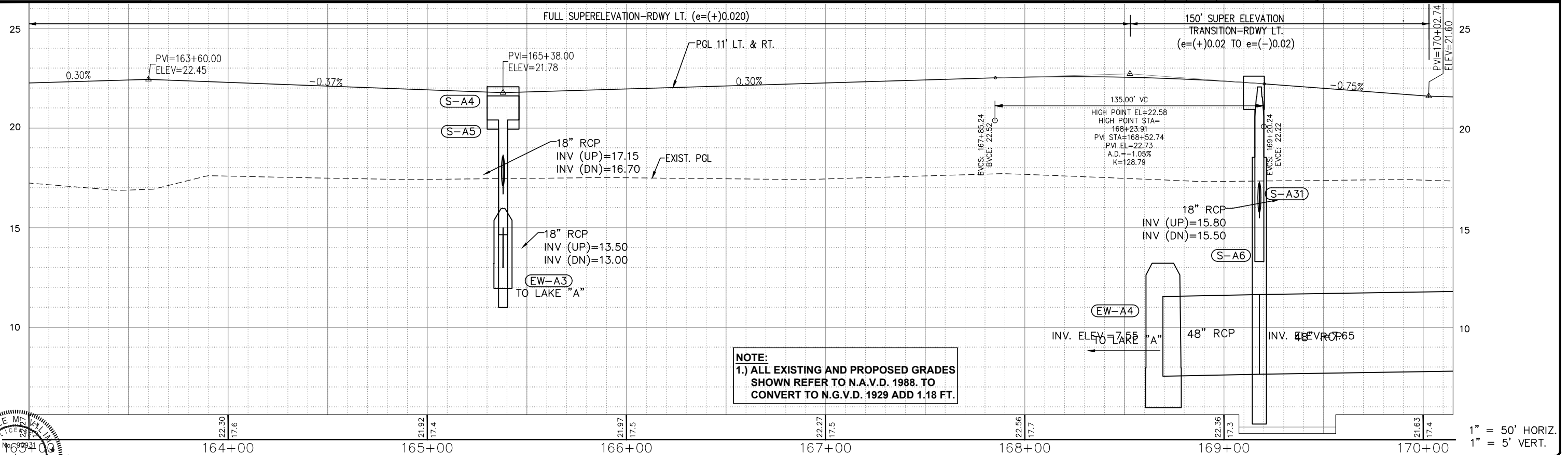
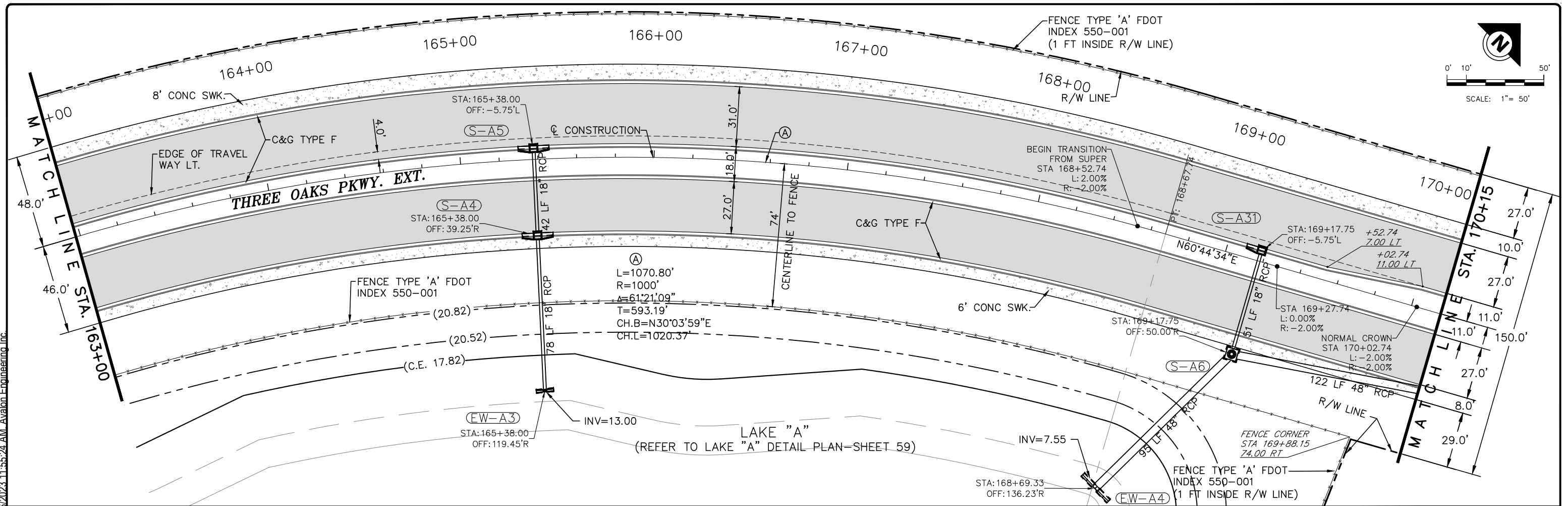
ABD.	ABANDONED	MOD.	MODIFIED
AC.	ACRE	N	NORTH
AH	AHEAD	NAVD	NORTH AMERICAN VERTICAL DATUM
ALT.	ALTERNATE	NO.	NUMBER
AL.	ALUMINUM	NGVD	NATIONAL GEODETIC VERTICAL DATUM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	NPT	NATIONAL PIPE THREAD
AOR	AXIS OF ROTATION	NE	NORTHEAST
ARV	AIR RELEASE VALVE	NLY.	NORTHERLY
ASPH.	ASPHALT	NW	NORTHWEST
ASSEM.	ASSEMBLY	OC	ON CENTERS
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS	O/E	OR EQUAL
AWWA	AMERICAN WATER WORKS ASSOCIATION	O/O	OUTSIDE TO OUTSIDE
AVE	AVENUE	PKWY	PARKWAY
BK	BACK	PAVT.	PAVEMENT
BLVD.	BOULEVARD	PEN.	PENETRATION
BM	BENCH MARK	PI	POINT OF INTERSECTION
BOT.	BOTTOM	PL	PLACE
BO	BLOW OFF	PRM	PERMANENT REFERENCE MONUMENT
BTFLY.	BUTTERFLY	PT	POINT OF TANGENCY
CAP	CORRUGATED ALUMINUM PIPE	PROP. PGL	PROPOSED PROFILE GRADE LINE
CATV	CABLE TELEVISION	PS	PUMP STATION
CB	CATCH BASIN	PSI	POUNDS PER SQUARE INCH
C & G	CURB AND GUTTER	PVC	POLYVINYL CHLORIDE
C/C	CENTER TO CENTER	PW	POTABLE WATER
CF	CUBIC FOOT	P/L	PROPERTY LINE
CL	CENTER LINE	PUE	PUBLIC UTILITY EASEMENT
CMP	CORRUGATED METAL PIPE	R.	RADIUS
CO	CLEAN OUT	RCP	REINFORCED CONCRETE PIPE
COR.	CORNER	RDWY.	ROADWAY
CONC.	CONCRETE	RED.	REDUCER
CORP.	CORPORATION	REF.	REFERENCE
CT	COURT	REINF.	REINFORCED
DIA.	DIAMETER	RELOC.	RELOCATION
DIM.	DIMENSION	REM.	REMOVAL
DRWY	DRIVEWAY	REPL.	REPLACE
DWG.	DRAWING	REQ.	REQUIRED
DIP	DUCTILE IRON PIPE	R/W	RIGHT OF WAY
E	EAST	ROW	RIGHT OF WAY
EW	EACH WAY	RT	RIGHT
EOP	EDGE OF PAVEMENT	R/W	RIGHT OF WAY
EOTW	EDGE OF TRAVEL WAY	SAN.	SANITARY
EL.	ELEVATION	SEW.	SEWER
ELEC.	ELECTRICAL	SCH.	SCHEDULE
ELEV.	ELEVATION	S	SOUTH
ESMT	EASEMENT	SD	STORM DRAIN
ERCP	ELLIPTICAL REINFORCED CONCRETE PIPE	SE	SOUTHEAST
EX.	EXISTING	SECT.	SECTION
EXIST.	EXISTING	SHLDR.	SHOULDER
EXIST. PGL	EXISTING PROFILE GRADE LINE	SLY.	SOUTHERLY
FAC	FLORIDA ADMINISTRATIVE CODE	SPEC.	SPECIFICATION
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION	SQ. FT.	SQUARE FOOT
FH	FIRE HYDRANT	SQ. IN.	SQUARE INCH
FL	FLOW LINE	SS	SANITARY SEWER
FO	FIBER OPTIC	STD.	STANDARD
FOC	FIBER OPTIC CABLE	ST.	STREET
FLG.	FLANGED	STA.	STATION
FT	FOOT	SW	SOUTHWEST
FM	FORCE MAIN	SWK	SIDEWALK
GALV.	GALVANIZED	TEL.	TELEPHONE
GAL.	GALLON	TB	TELEPHONE BOX
GM	GAS MAIN	TER	TERRACE
IN.	INCH	TYP.	TYPICAL
INC.	INCORPORATED	USF	UNITED STATES FOUNDRY
INV	INVERT	UTS	UNITED TELEPHONE SERVICE
IRR.	IRRIGATION LINE	UTIL	UTILITIES
JB	JUNCTION BOX	VAR.	VARIABLE
LB.	POUND	VOL.	VOLUME
LBR	LIMEROCK BEARING RATIO	WM	WATER MAIN
LCDOT	LEE COUNTY DEPARTMENT OF TRANSPORTATION	W	WEST
LCU	LEE COUNTY UTILITIES	W/	WITH
LF	LINEAR FOOT	XSEC	CROSS SECTION
LN	LANE		
LT	LEFT		
MAX.	MAXIMUM		
MH	MANHOLE		
MIN.	MINIMUM		
MISC.	MISCELLANEOUS		
MJ	MECHANICAL JOINT		
MV	MEDIUM VOLTAGE		
MOT	MAINTENANCE OF TRAFFIC		

NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.



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01/26/23	NV	ADDENDUM #1

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AVALON PROJECT: 17-372
PROJ. MGR. Noelle M. Vilim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

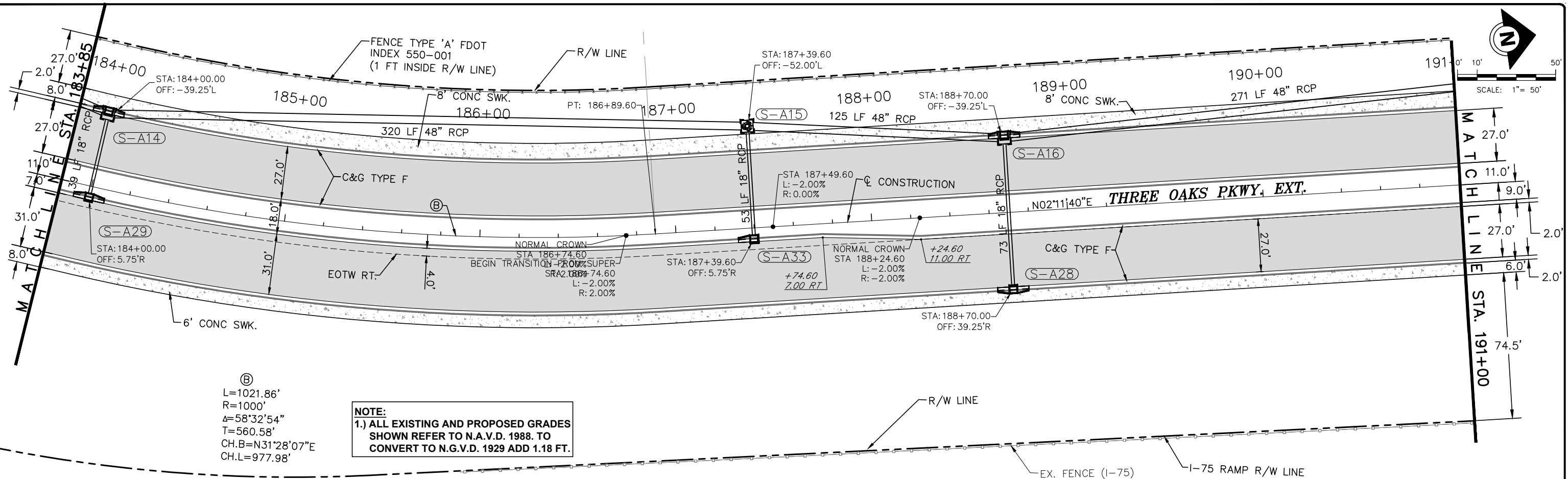
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY PLAN & PROFILE
STA 163+00 TO 170+15

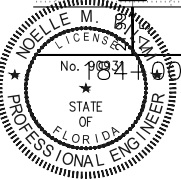
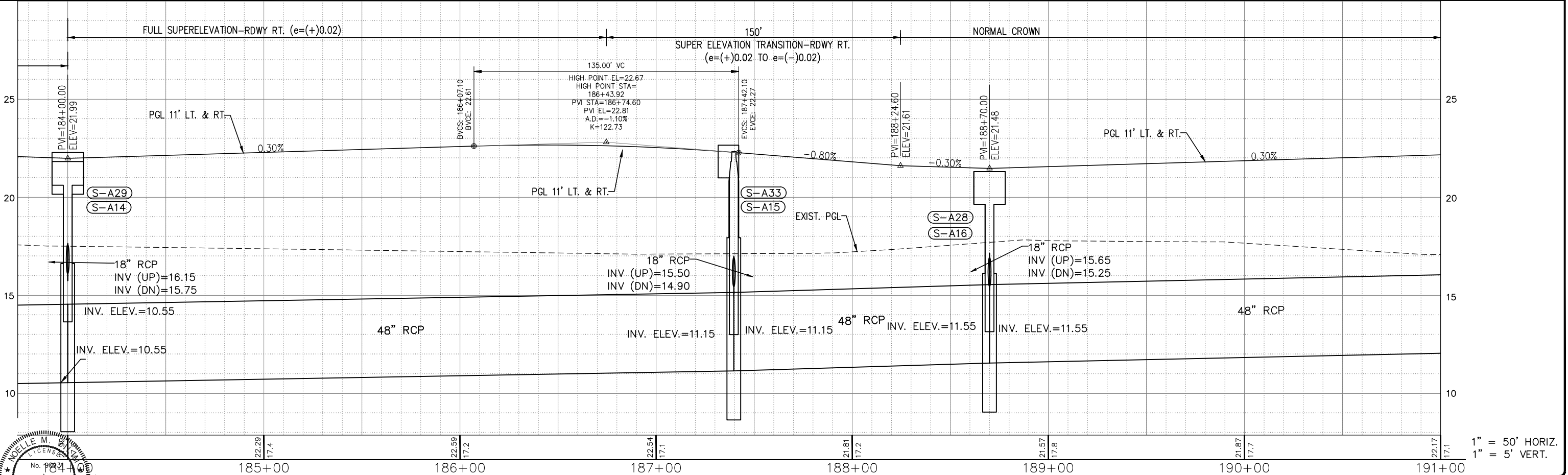
SHEET
19 of 132

P:\CAD\2017\17-372\3-Oaks-Pkwy\17-372-03-Oaks-Pkwy\17-372-03-Oaks-Pkwy.dwg 22 ROADWAY PLAN & PROFILE 1/26/2023 11:56:06 AM Avalon Engineering Inc.



②
L=1021.86'
R=1000'
Δ=58°32'54\"/>

NOTE:
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FBPE#3128 (239) 573-2077

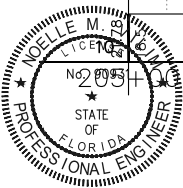
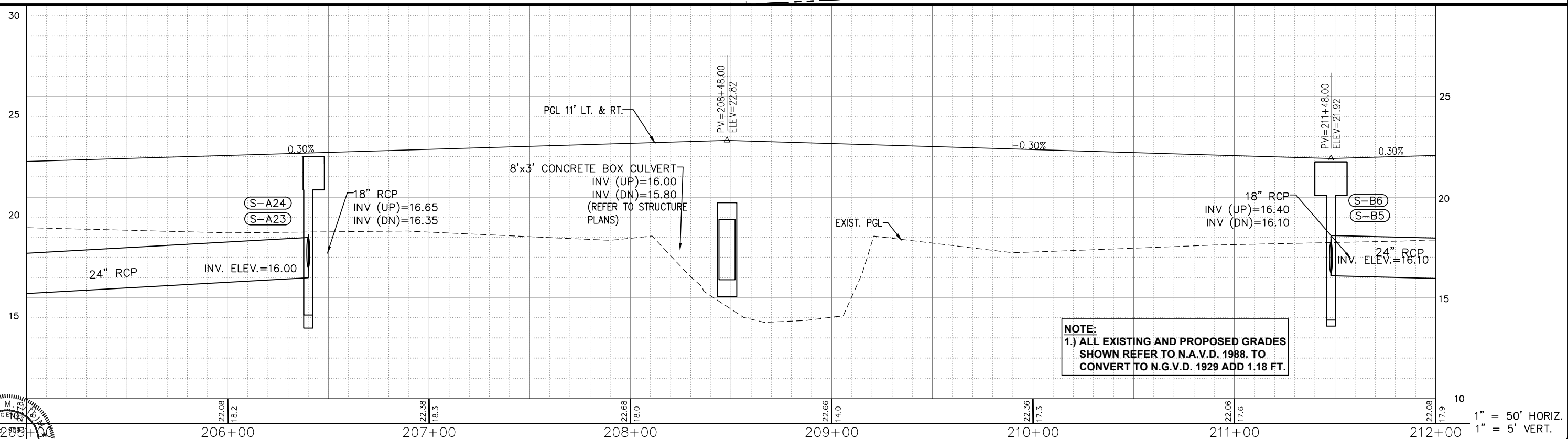
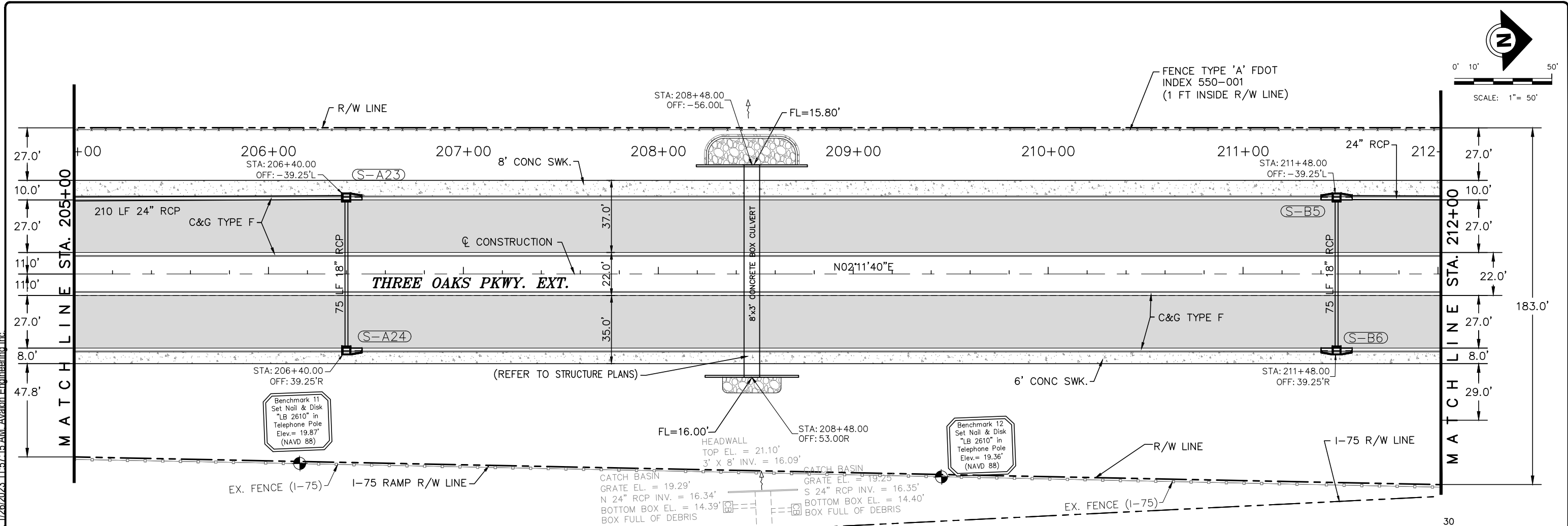
LEE COUNTY DEPARTMENT
OF
TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY PLAN & PROFILE
STA 183+85 TO 191+00

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22 of 132

P:\CAD\2017\17-372\3-Oaks-Plan\1-Phase\1-Plan-Profile 3-Oaks 2.dwg, 25 ROADWAY PLAN & PROFILE - 1/26/2023 11:57:45 AM, Avalon Engineering Inc.



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CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

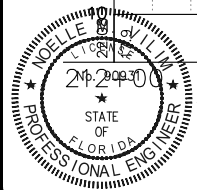
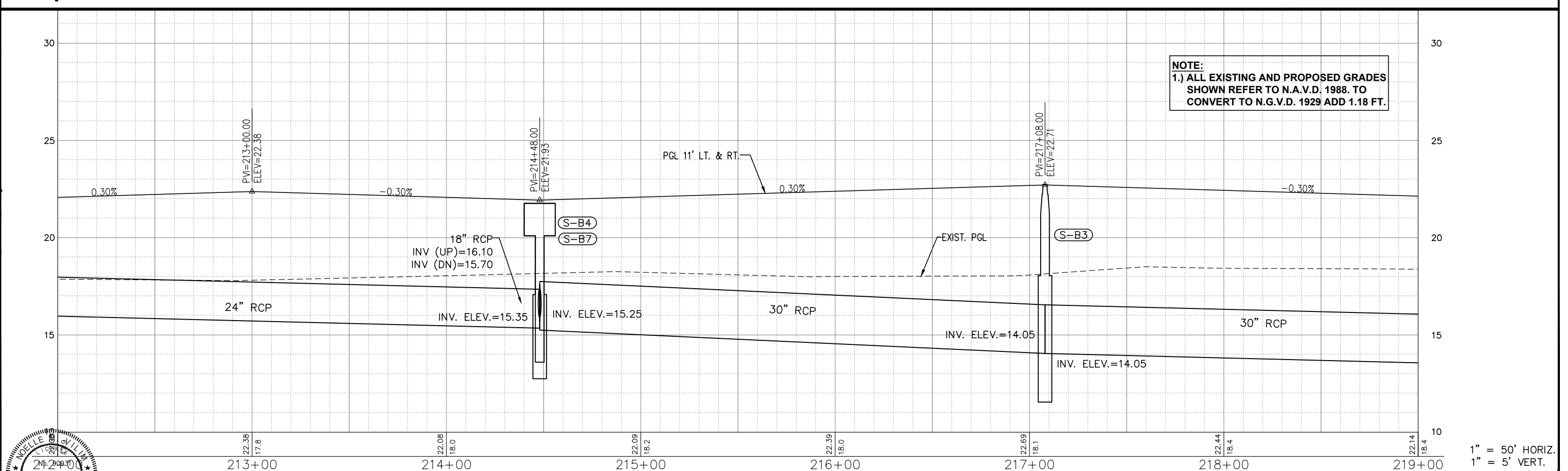
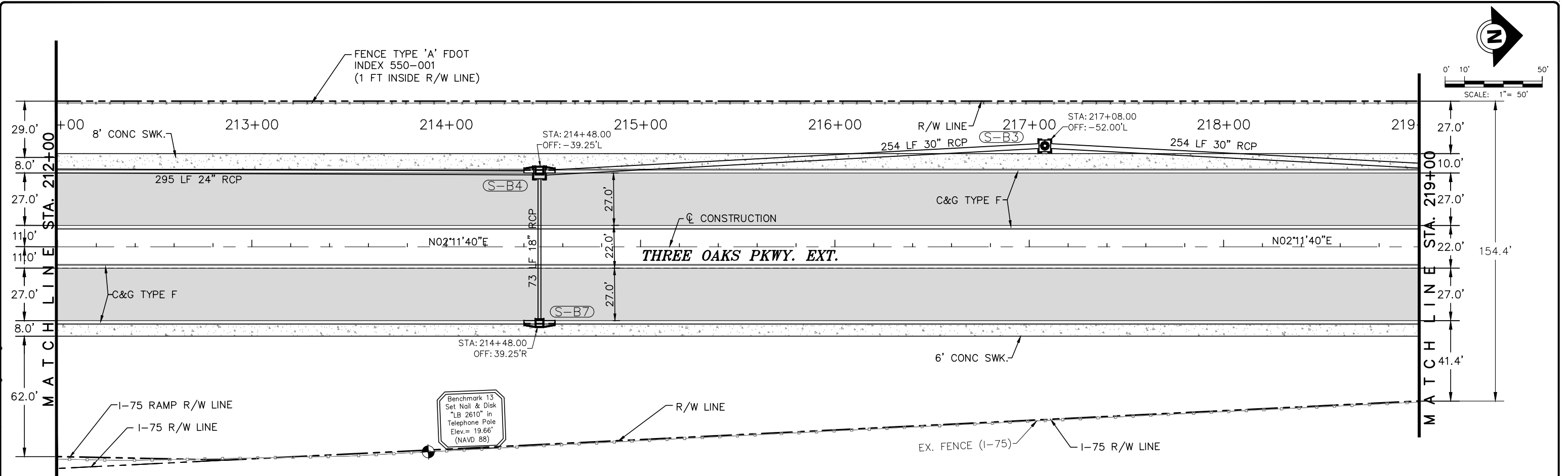
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY PLAN & PROFILE
STA 205+00 TO 212+00

SHEET
25 of 132

P:\CAD\2017\17-372\3-Oaks-Pkwy\Plot_Plan_Profile.dwg, 26 ROADWAY PLAN & PROFILE, 1/26/2023 11:57:31 AM, Avalon Engineering Inc.



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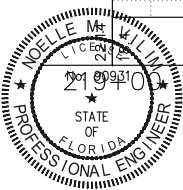
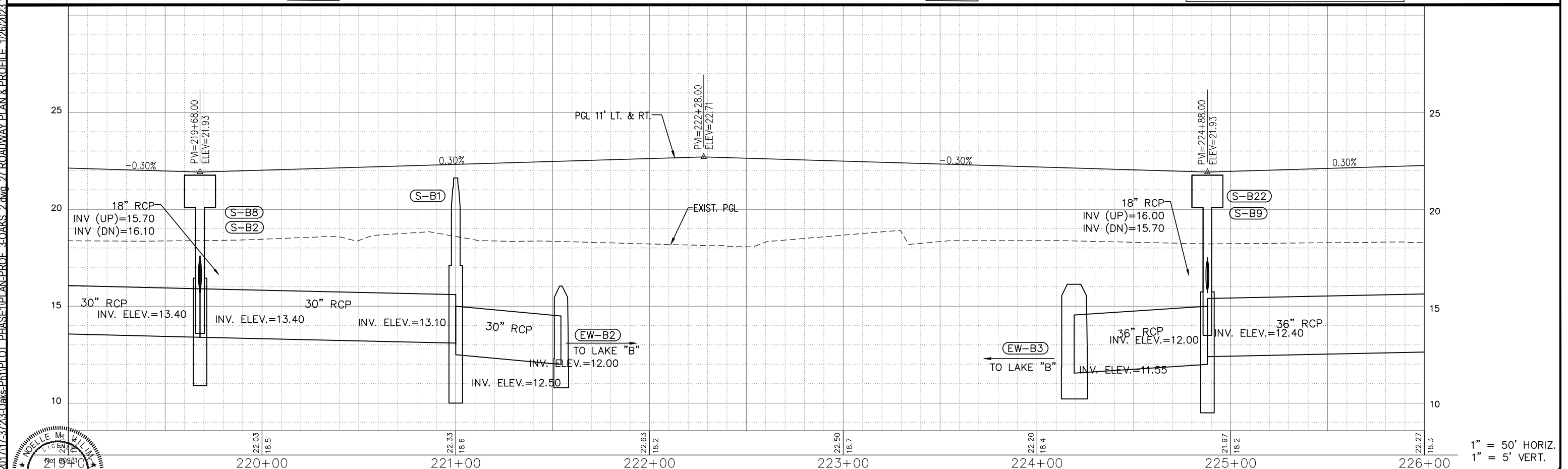
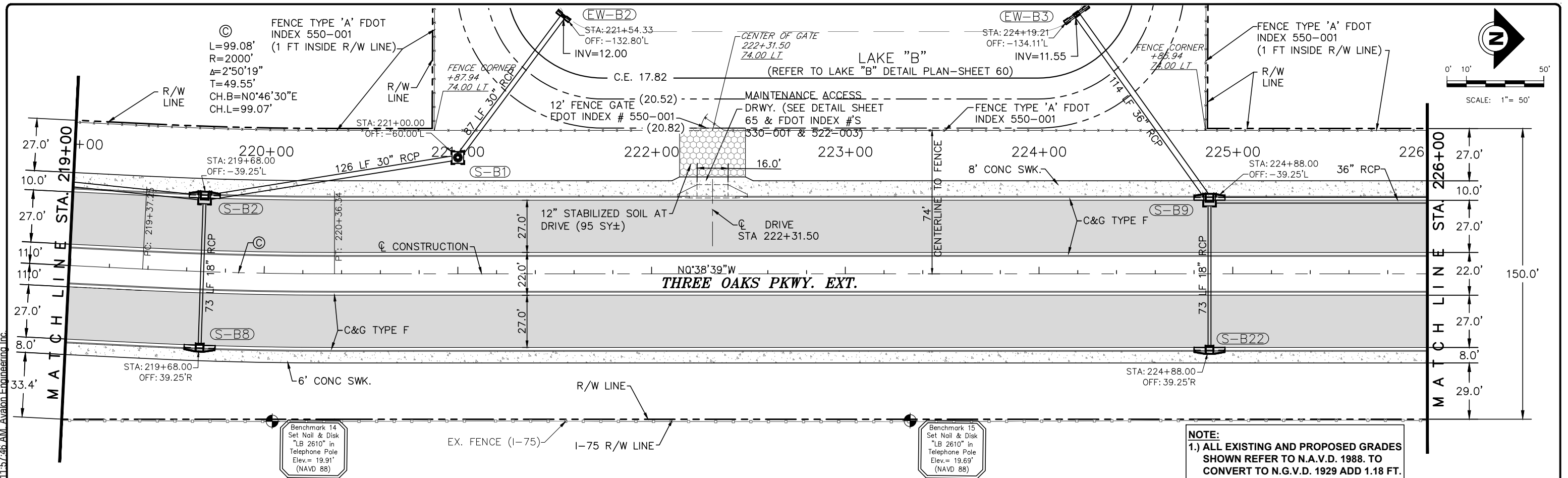
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY PLAN & PROFILE
STA 212+00 TO 219+00

SHEET
26 of 132

P:\CAD\2017\17-372\3-Oaks-Plan\Plot PHASE\PLAN-PROF 3-Oaks 2.dwg, 27 ROADWAY PLAN & PROFILE, 1/26/2023 11:57:46 AM, Avalon Engineering, Inc.



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DATE	BY	REVISION DESCRIPTION
01/26/23	NV	ADDENDUM #1

BID SET PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Noelle M. Vilim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

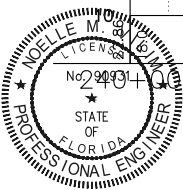
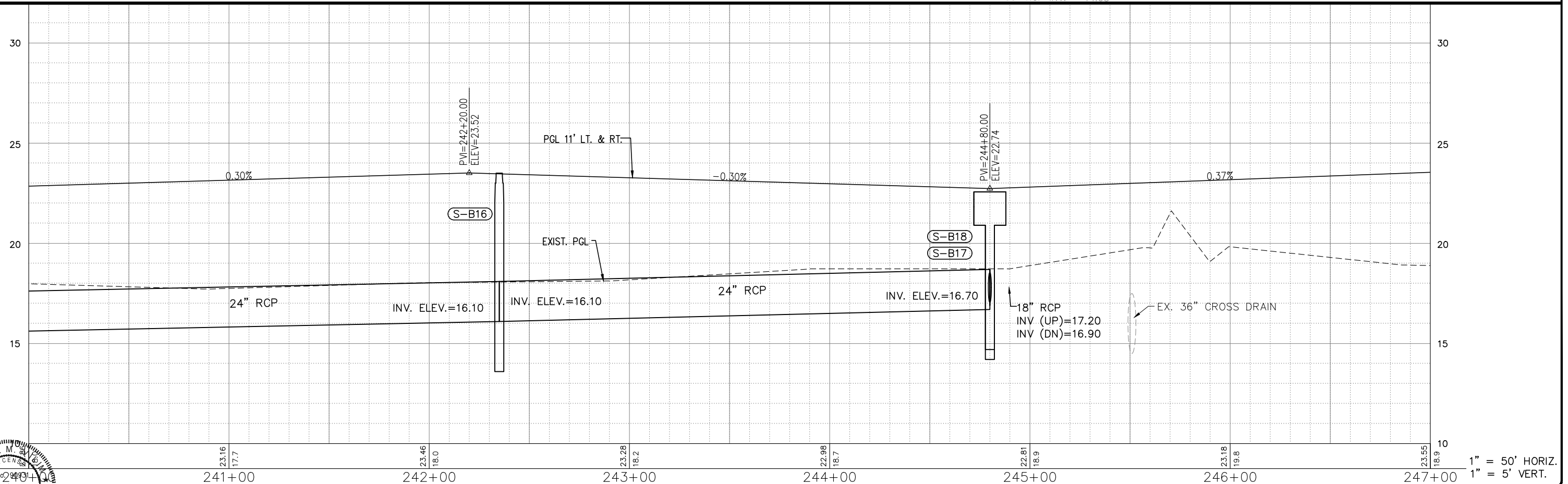
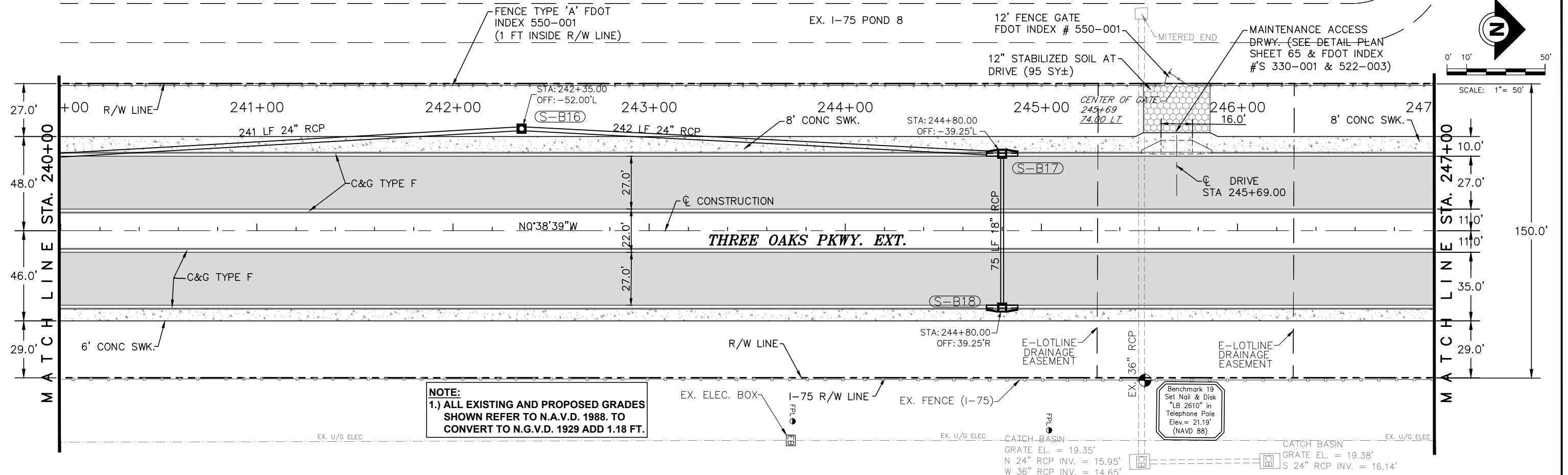
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY PLAN & PROFILE
STA 219+000 TO 226+00

SHEET
27 of 132

P:\CAD\2017\17-372\3-Oaks-Plan\11-17-2017\11-17-2017.dwg 30 ROADWAY PLAN & PROFILE 1/26/2023 11:58:22 AM Avalon Engineering Inc.



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AVALON ENGINEERING, INC.
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FBPE#3128 (239) 573-2077

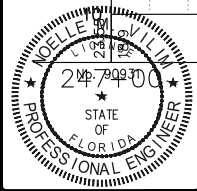
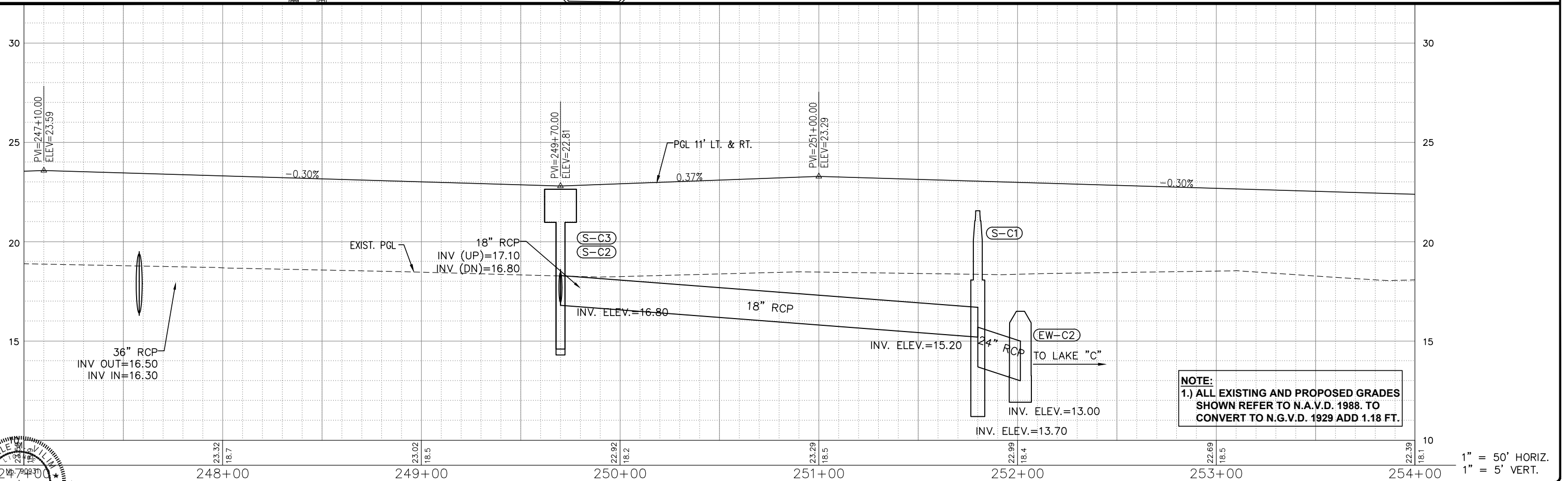
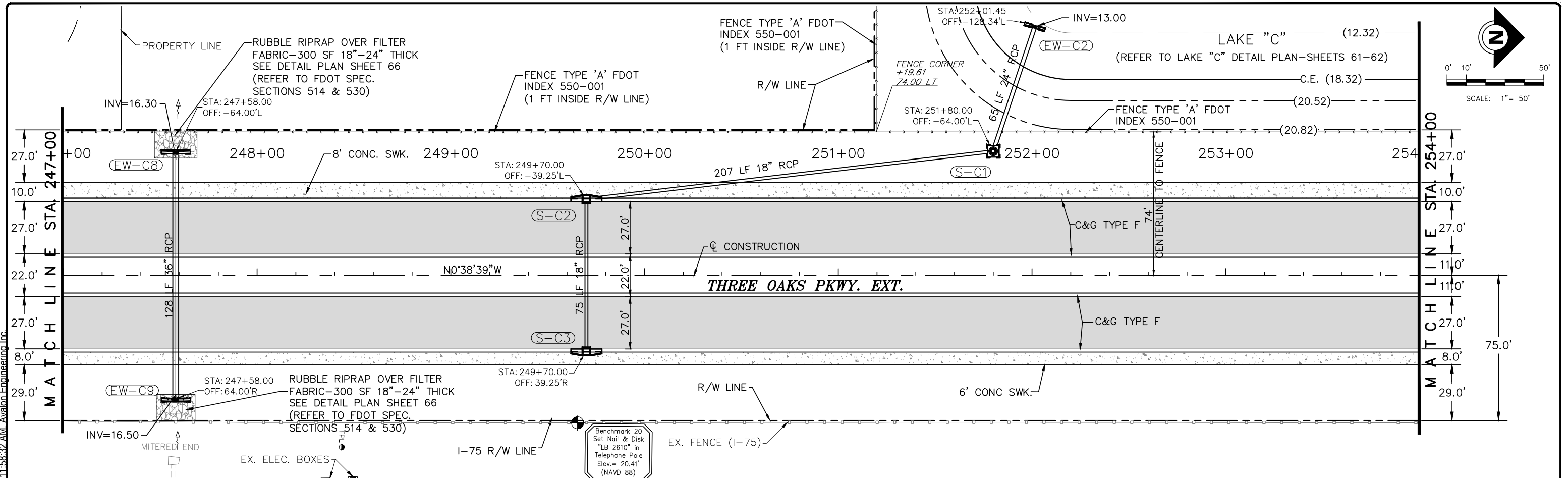
LEE COUNTY DEPARTMENT OF TRANSPORTATION
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THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

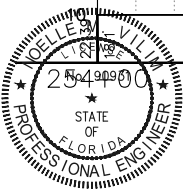
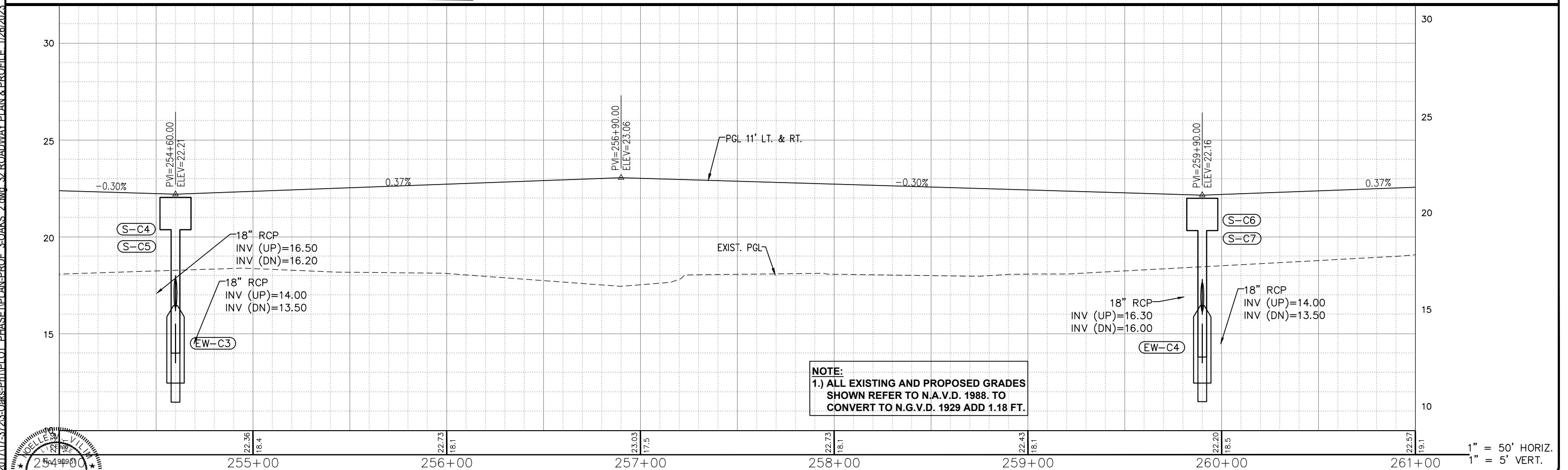
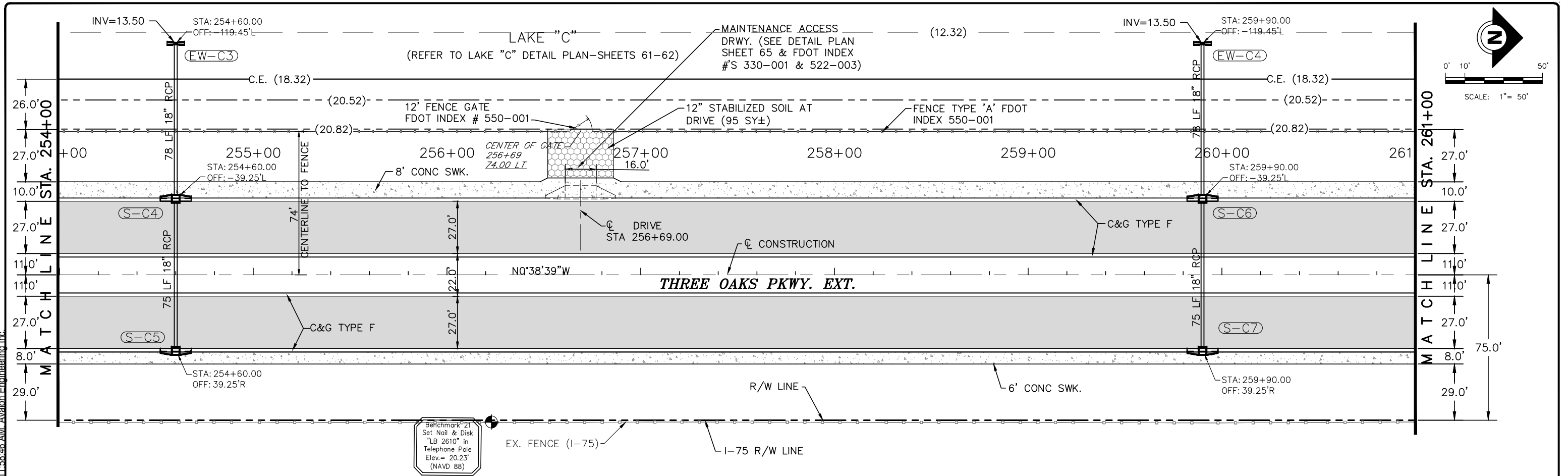
ROADWAY PLAN & PROFILE
STA 240+00 TO 247+00

SHEET
30 of 132

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P:\CAD\2017\17-372\3-Oaks-Ph1\PILOT PHASE\PLAN-PROF 3-Oaks 2.dwg, 32 ROADWAY PLAN & PROFILE, 1/26/2023 11:58:46 AM, Avalon Engineering Inc.



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AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

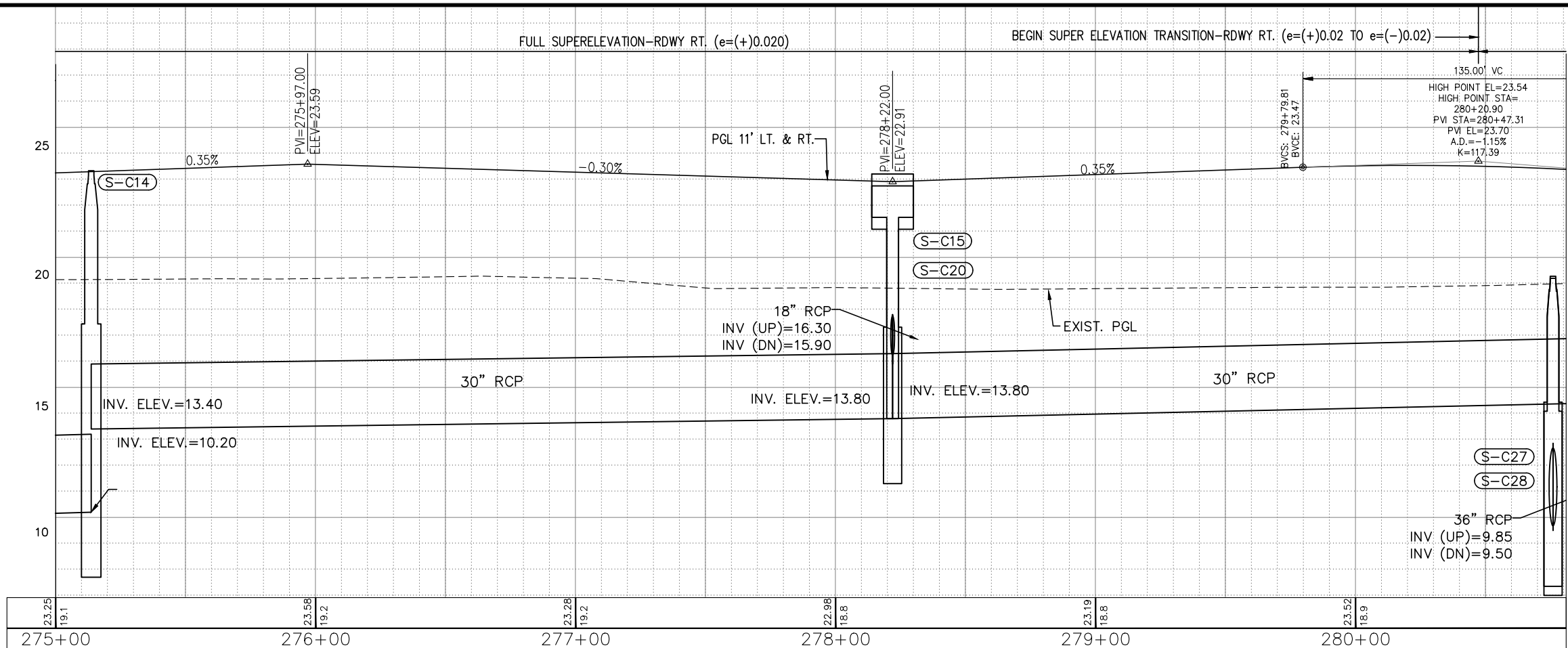
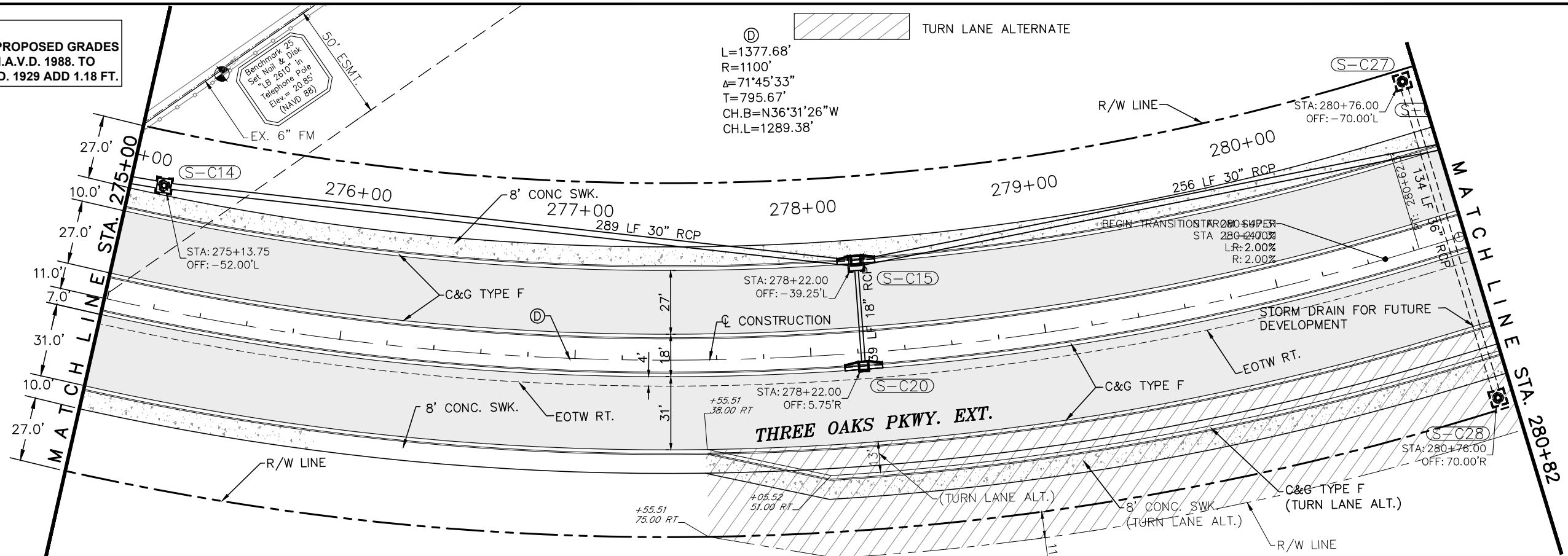
LEE COUNTY DEPARTMENT OF TRANSPORTATION
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THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY PLAN & PROFILE
STA 254+00 TO 261+00

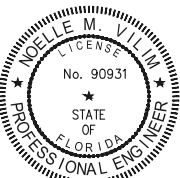
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32 of 132

NOTE:
1.) ALL EXISTING AND PROPOSED GRADES
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CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.



1" = 50' HORIZ.
1" = 5' VERT.

P:\CAD\2017\17-372\3-Oaks-Ph1\PILOT PHASE\PLAN-PROF 3-Oaks 3.dwg, 35 ROADWAY PLAN & PROFILE, 1/26/2023 11:59:54 AM, Avalon Engineering, Inc.



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FBPE#3128 (239) 573-2077

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(239) 533-8580

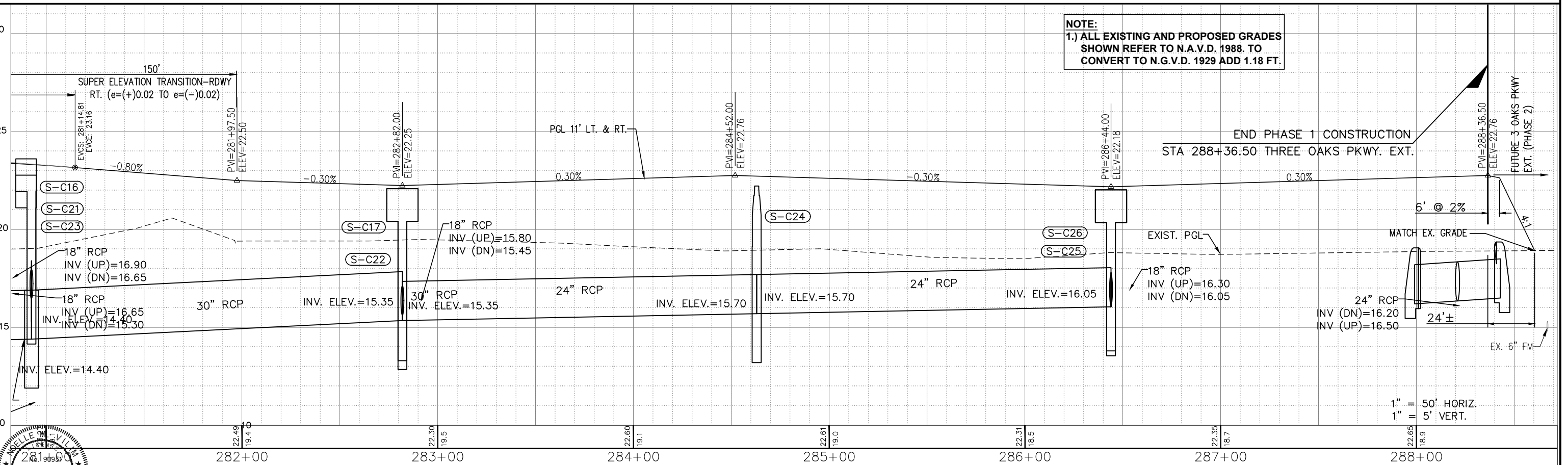
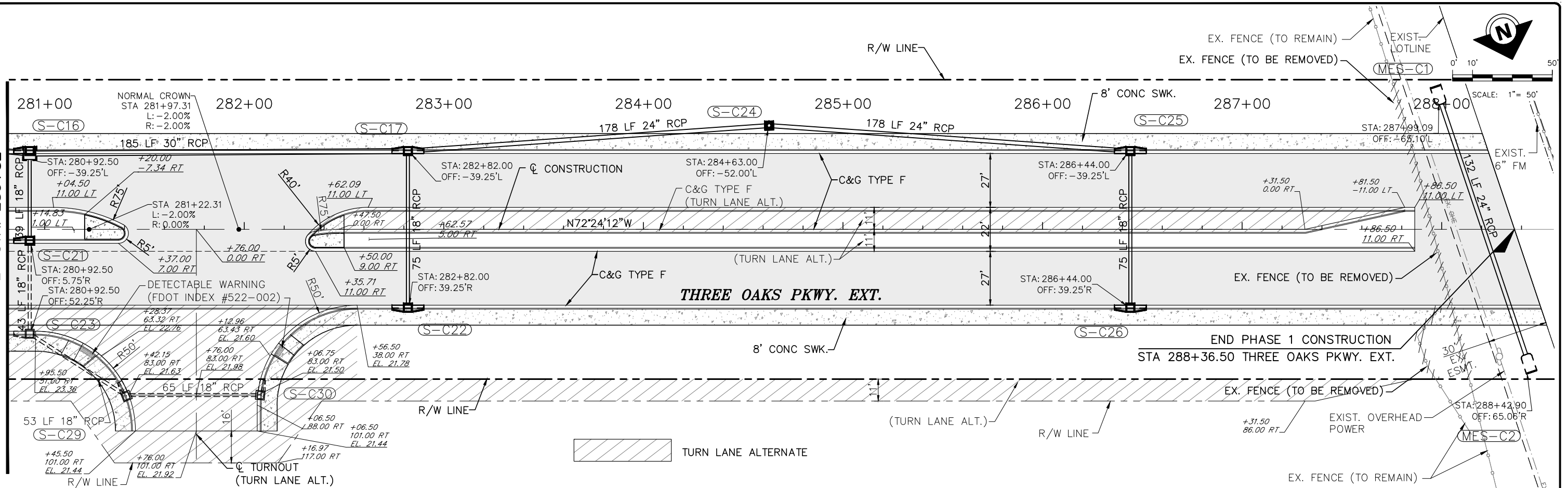
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY PLAN & PROFILE
STA 275+00 TO 280+82

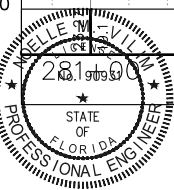
SHEET
35 of 132

P:\CAD\2017\17-372\3-Oaks-Pkwy\17-372-36 ROADWAY PLAN & PROFILE.dwg, 1/26/2023 12:00:04 PM, Avalon Engineering Inc.

MATCH LINE STA. 280+82



NOTE:
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CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT
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(239) 533-8580

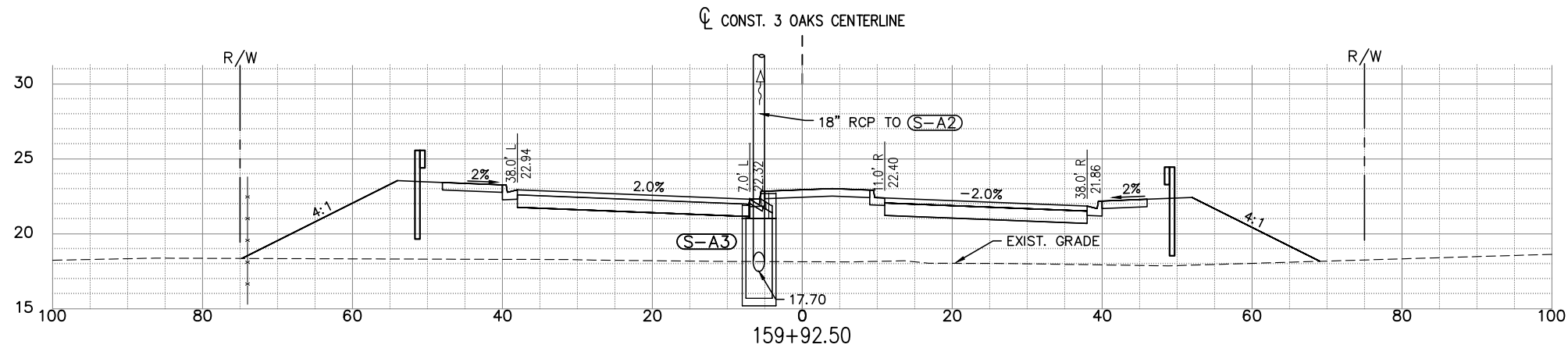
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY PLAN & PROFILE
STA 280+82 TO 288+36.50

SHEET
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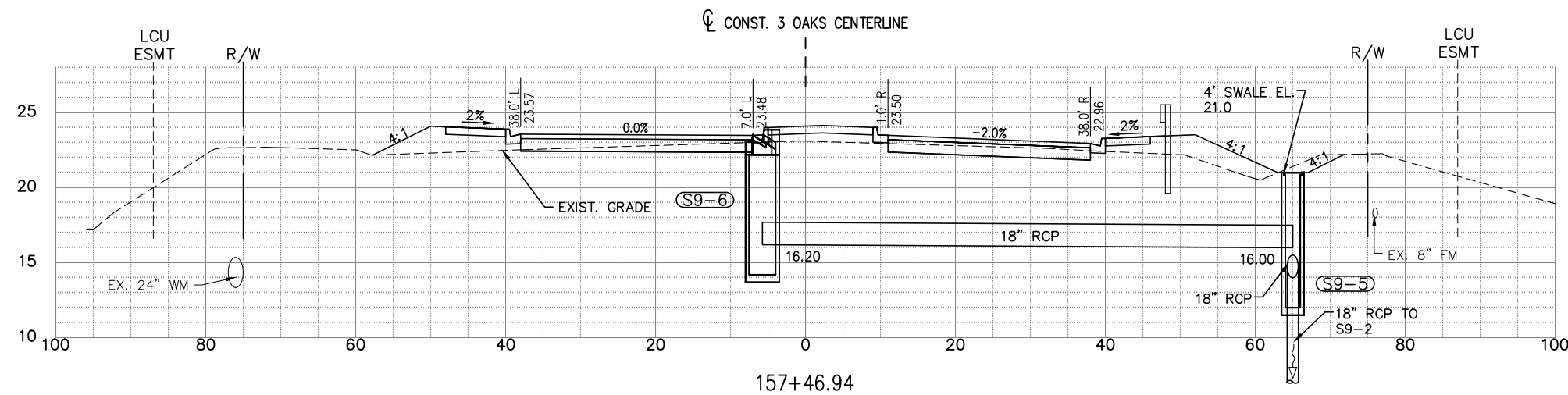
22.99	EXISTING PAVEMENT GRADES	+22.2	EXISTING GROUND GRADES	NEW PAVEMENT SECTION
22.13	MATCH EXISTING GRADE POINT	21.8	PROPOSED GROUND GRADES	MILL AND OVERLAY (1" TYP.)
+39.14 48.00' R 22.13	PROPOSED PAVEMENT GRADE (W/STATION & OFFSET)			PROPOSED CONCRETE

P:\CAD\2017\17-372\3-Oaks-Ph1\PILOT PHASE\DRNG-STR X-SECT.dwg 38 DRAINAGE STRUCTURES 1/26/2023 12:01:16 PM Avalon Engineering Inc.



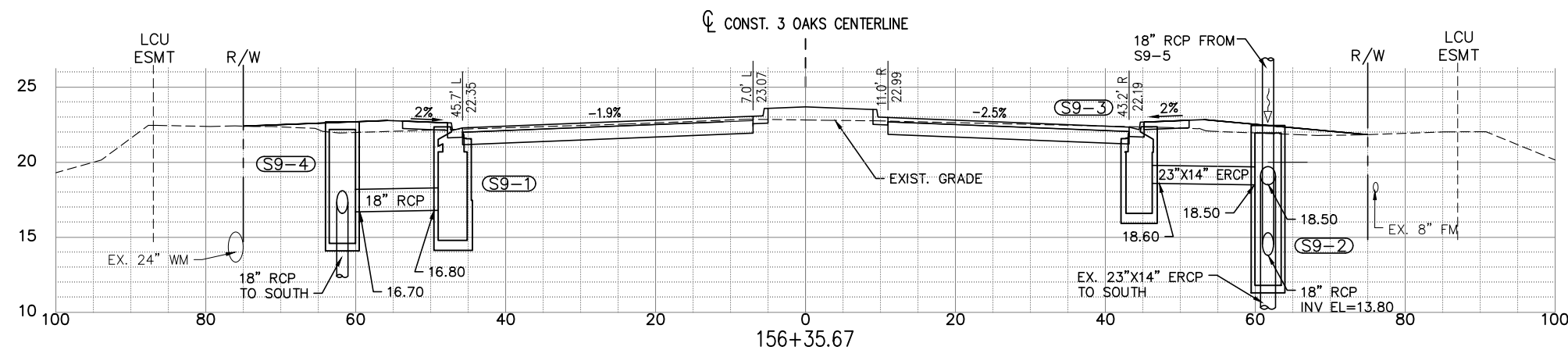
(S-A3)
CONST. CURB INLET TYPE 'P-5' <10'
FDOT Index No. 425-021
STA 159+92.50 (-5.75 L)
RIM ELEV=22.69
LIP/EOP ELEV=22.32
SUMP=15.70
INV OUT (N)= 17.70 18" RCP

NOTE:
1.) ALL EXISTING AND PROPOSED GRADES
SHOWN ON THIS SHEET REFER TO
N.A.V.D. 1988. TO CONVERT TO N.G.V.D.
1929 ADD 1.18 FT.



(S9-5)
CONST. DITCH BOTTOM INLET TYPE C <10'
FDOT Index No. 425-052
STA 157+46.94 (65.00 R)
GRATE ELEV=21.00
SUMP=12.00
INV IN(W)= 16.00 18" RCP
INV OUT (S)= 14.00 18" RCP

(S9-6)
CONST. CURB INLET TYPE 'P-5' <10'
FDOT Index No. 425-021
STA 157+46.94 (-5.75 L)
RIM ELEV=23.86
LIP/EOP ELEV=23.48
SUMP=14.20
INV OUT (E)= 16.20 18" RCP

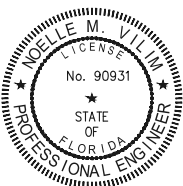
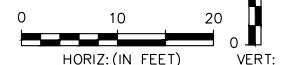


(S9-1)
CONST. CURB INLET TYPE 'P-5' <10'
FDOT Index No. 425-021
STA 156+36.34 (-46.75 L)
RIM ELEV=22.73
LIP/EOP ELEV=22.35
SUMP=14.80
INV OUT (W)= 16.80 18" RCP

(S9-2)
CONST. MANHOLE TYPE 'P-7' <10'
FDOT Index No. 425-001
STA 156+35.78 (60.87 R)
RIM=20.65
SUMP=11.80
INV IN (W)= 18.50 23"x14" ERCP
INV IN (N)= 13.80 18" RCP
INV OUT (S)= 18.50 EX. 23"x14" ERCP

(S9-3)
CONST. CURB INLET TYPE 'P-5' <10'
FDOT Index No. 425-021
STA 156+35.67 (44.51 R)
RIM ELEV=22.57
LIP/EOP ELEV=22.19
SUMP=16.60
INV OUT (E)= 18.60 23"x14" ERCP

(S9-4)
CONST. MANHOLE TYPE 'P-7' <10'
FDOT Index No. 425-001
STA 156+36.88 (-61.74 L)
RIM=22.69
SUMP=14.60
INV IN (E)= 16.70 18" RCP
INV OUT (S)= 16.60 18" RCP



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PROJ. MGR. Noelle M. Vilim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

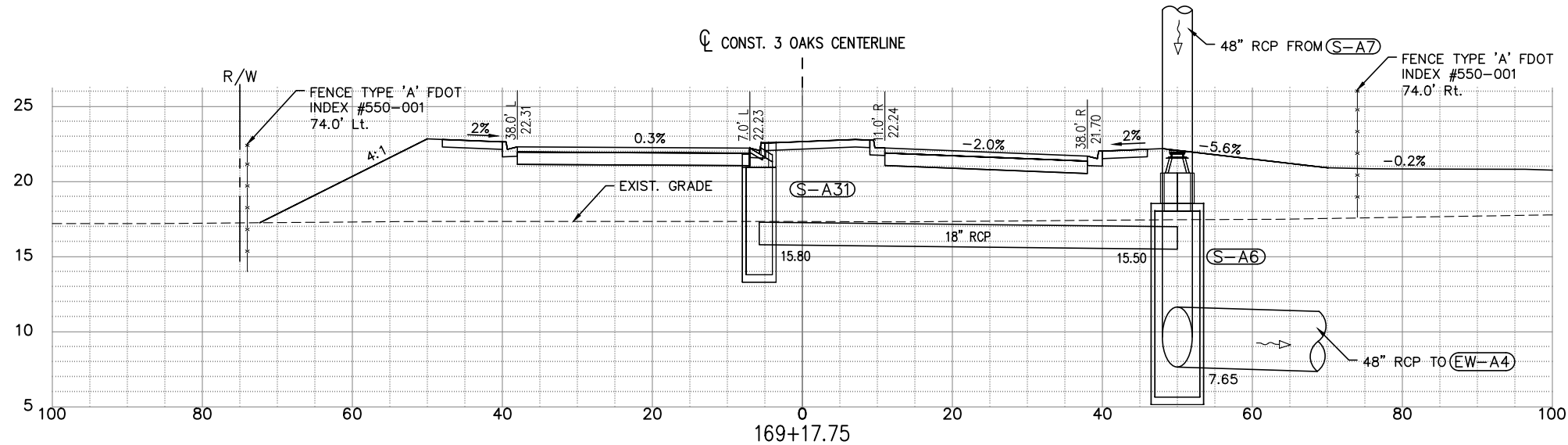
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

DRAINAGE STRUCTURES
THREE OAKS PKWY EXT.

SHEET

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P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT PHASE\DRNG-STR X-SECT.dwg 39 DRAINAGE STRUCTURES 1/26/2023 12:01:45 PM Avalon Engineering Inc.

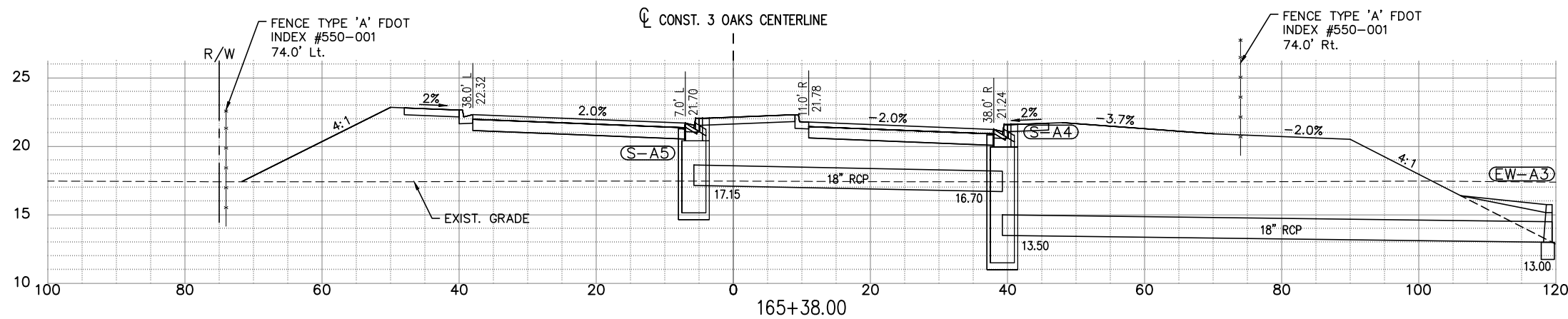


(S-A6)
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 169+17.75 (50.00 R)
RIM=22.07
SUMP=5.65
INV IN(NE)= 7.65 48\"/>

(S-A31)
CONST. CURB INLET TYPE 'P-5' <10'
FDOT Index No. 425-021
STA 169+17.75 (-5.75 L)
RIM ELEV=22.61
LIP/EOP ELEV=22.23
SUMP=13.80
INV OUT (SE)= 15.80 18\"/>

(EW-A4)
CONST. 48\"/>

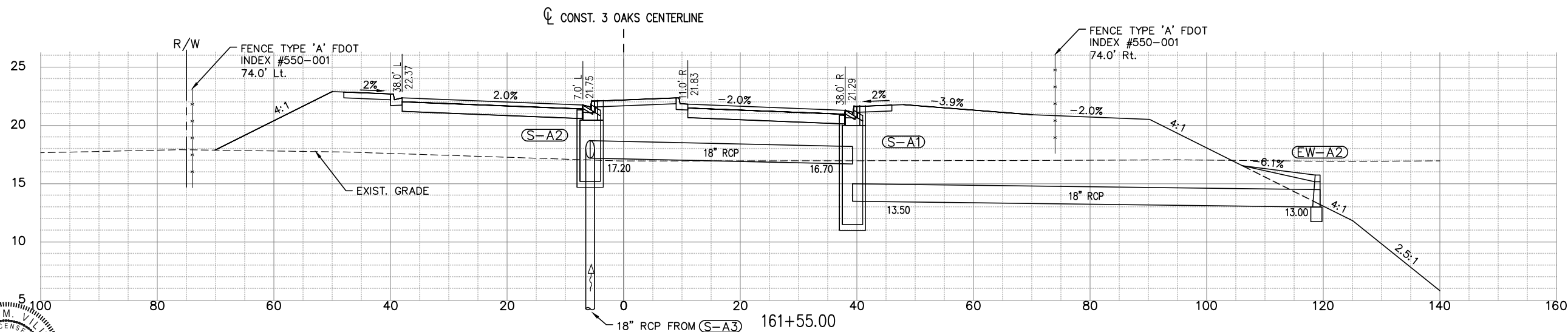
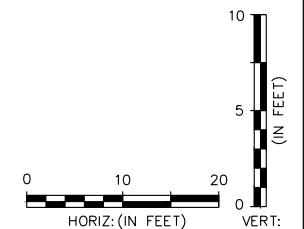
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1929 ADD 1.18 FT.



(S-A4)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 165+38.00 (39.25 R)
RIM ELEV=21.62
LIP/EOP ELEV=21.24
SUMP=11.50
INV IN (NW)= 16.70 18\"/>

(S-A5)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 165+38.00 (-5.75 L)
RIM ELEV=22.07
LIP/EOP ELEV=21.70
SUMP=15.15
INV OUT (SE)= 17.15 18\"/>

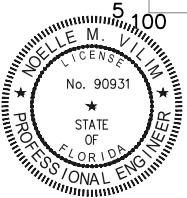
(EW-A3)
CONST. 18\"/>



(EW-A2)
CONST. 18\"/>

(S-A2)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 161+55.00 (-5.75 L)
RIM ELEV=22.12
LIP/EOP ELEV=21.75
SUMP=15.20
INV IN(S)= 17.20 18\"/>

(S-A1)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 161+55.00 (39.25 R)
RIM ELEV=21.67
LIP/EOP ELEV=21.29
SUMP=11.50
INV IN (W)= 16.70 18\"/>



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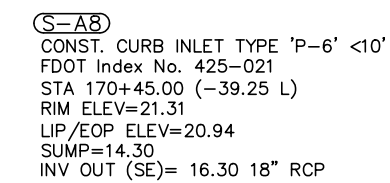
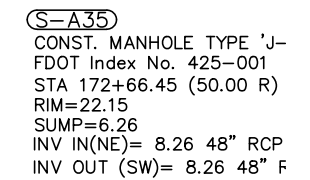
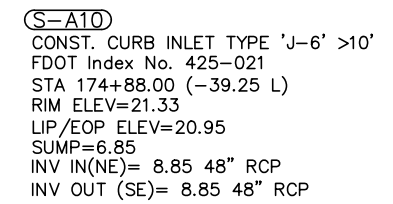
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT
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LEE COUNTY, FLORIDA

DRAINAGE STRUCTURES
THREE OAKS PKWY EXT.

SHEET
39 of 132

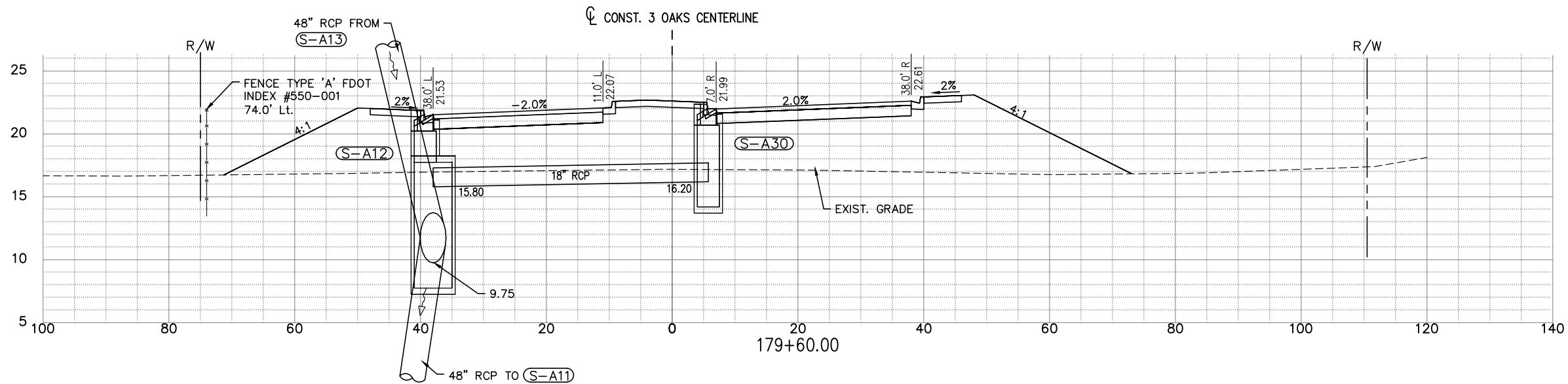


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VERT: (IN FEET)

SHEET
0 of 132

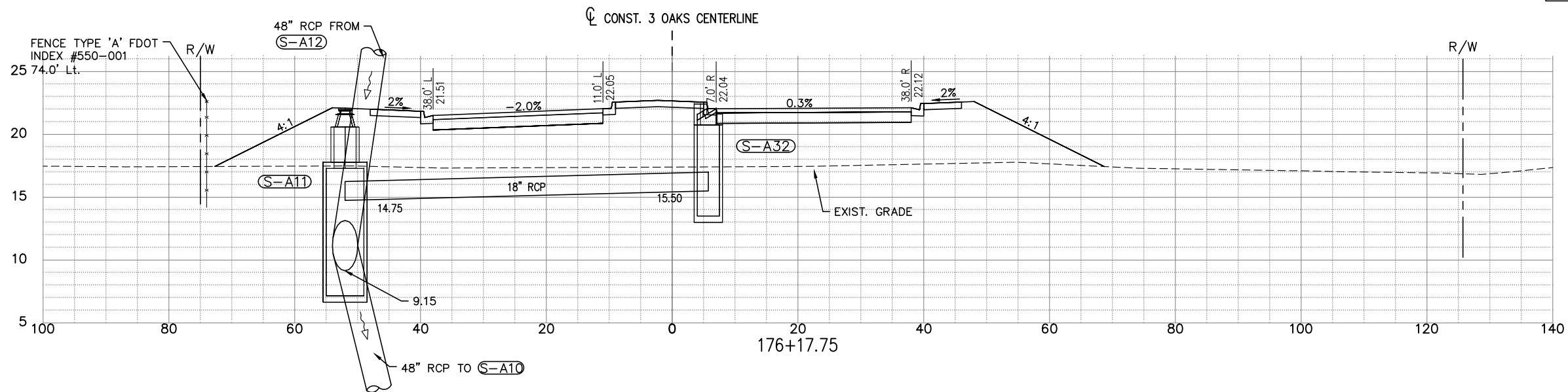
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(S-A12)
CONST. CURB INLET TYPE 'J-6' >10'
FDOT Index No. 425-021
STA 179+60.00 (-39.25 L)
RIM ELEV=21.90
LIP/EOP ELEV=21.53
SUMP=7.75
INV IN(SE)= 15.80 18" RCP
INV IN(NE)= 9.75 48" RCP
INV OUT (SW)= 9.75 48" RCP

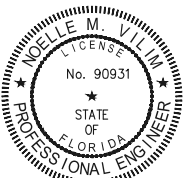
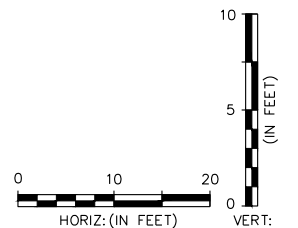
(S-A30)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 179+60.00 (5.75 R)
RIM ELEV=22.36
LIP/EOP ELEV=21.99
SUMP=14.20
INV OUT (NW)= 16.20 18" RCP

NOTE:
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N.A.V.D. 1988. TO CONVERT TO N.G.V.D.
1929 ADD 1.18 FT.



(S-A11)
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 176+17.75 (-52.00 L)
RIM=22.08
SUMP=7.15
INV IN (SE)= 14.75 18" RCP
INV IN (NE)= 9.15 48" RCP
INV OUT (SW)= 9.15 48" RCP

(S-A32)
CONST. CURB INLET TYPE 'P-5' <10'
FDOT Index No. 425-021
STA 176+17.75 (5.75 R)
RIM ELEV=22.42
LIP/EOP ELEV=22.04
SUMP=13.50
INV OUT (NW)= 15.50 18" RCP



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LDOT PROJ. MGR. VINCENT MILLER

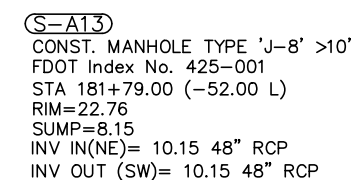
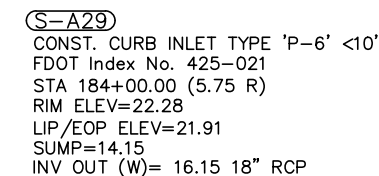
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

**LEE COUNTY DEPARTMENT
OF
TRANSPORTATION**
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

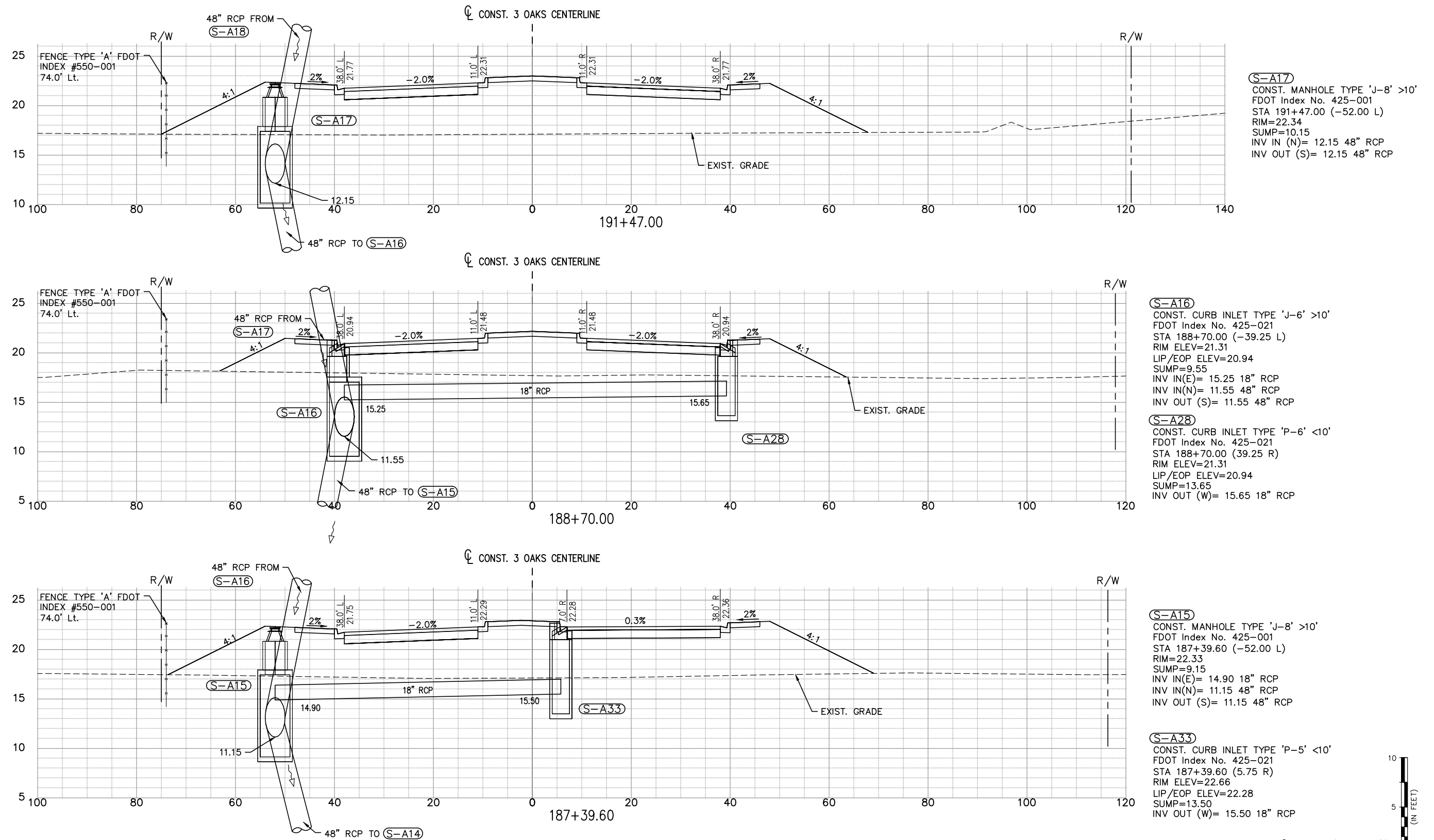
DRAINAGE STRUCTURES
THREE OAKS PKWY EXT.

SHEET
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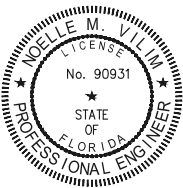
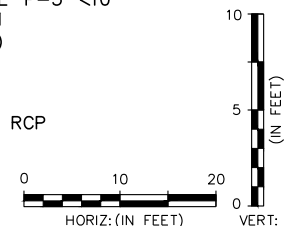


The graphic scale bars are located at the bottom of the page. The horizontal scale bar is labeled "HORIZ: (IN FEET)" and has markings for 0, 10, and 20 feet. The vertical scale bar is labeled "VERT: (IN FEET)" and has markings for 0, 5, and 10 feet. Both bars are represented by alternating black and white segments.

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT PHASE\DRNG-STR X-SECT.dwg 43 DRAINAGE STRUCTURES 1/26/2023 12:03:11 PM Avalon Engineering, Inc.



NOTE:
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01/26/23	NV	ADDENDUM #1

BID SET PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Noelle M. Vilim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

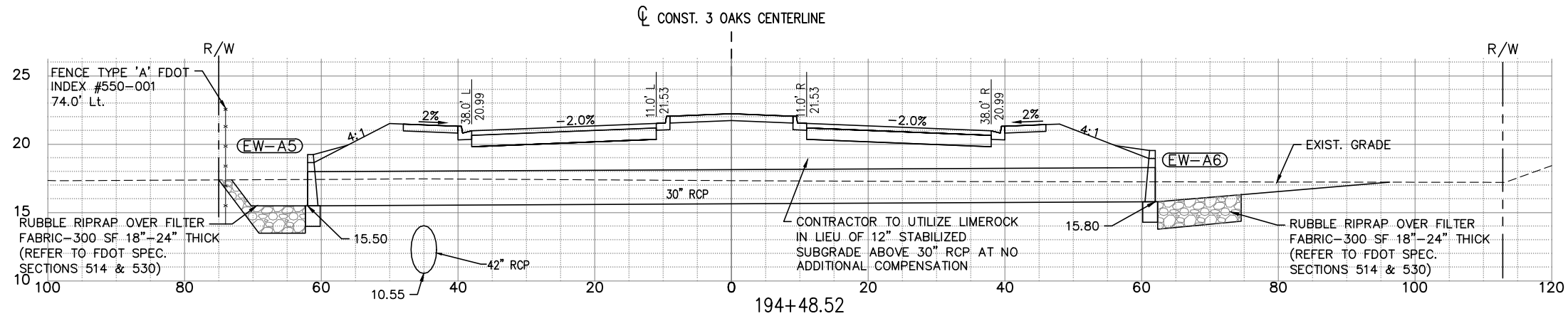
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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LEE COUNTY, FLORIDA

DRAINAGE STRUCTURES
THREE OAKS PKWY EXT.

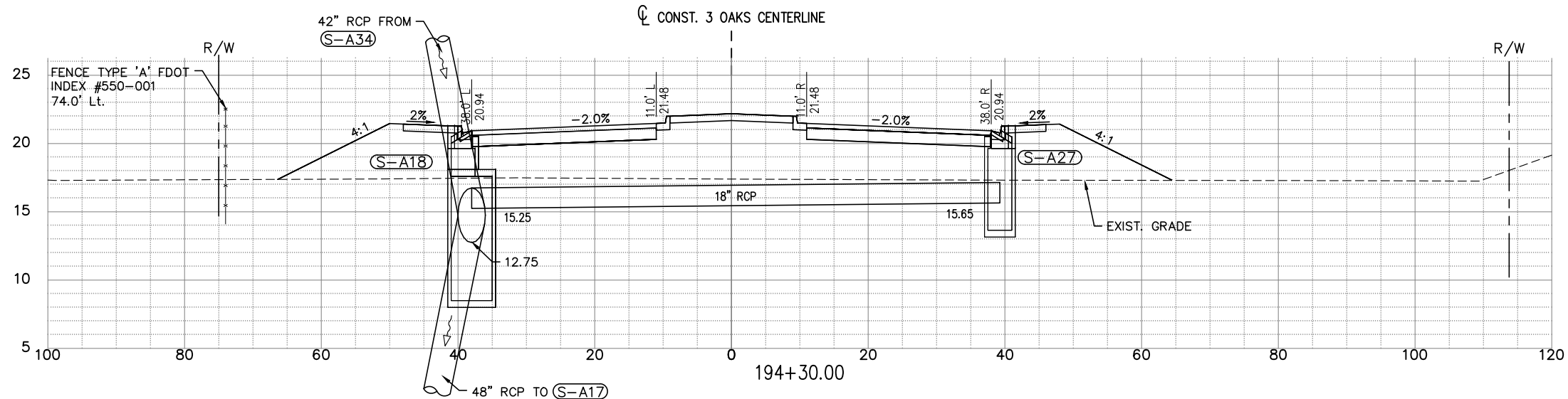
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P:\CAD\2017\17-372\3-Oaks-Ph1\PILOT PHASE\DRNG-STR X-SECT.dwg 44 DRAINAGE STRUCTURES 1/26/2023 12:03:26 PM Avalon Engineering Inc.



EW-A5
CONST. 30" STRAIGHT CONC. ENDWALL
FDOT INDEX 430-030
STA 194+48.52 (-62.00 L)
INV IN (E)= 15.50 30" RCP

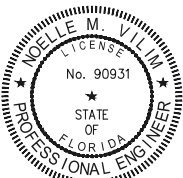
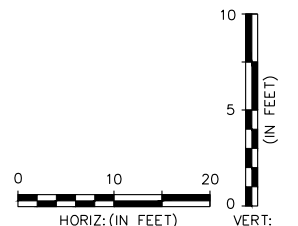
EW-A6
CONST. 30" STRAIGHT CONC. ENDWALL
FDOT INDEX 430-030
STA 194+48.52 (62.00 R)
INV OUT= 15.80 (W)



S-A18
CONST. CURB INLET TYPE 'J-6' >10'
FDOT Index No. 425-021
STA 194+30.00 (-39.25 L)
RIM ELEV=21.31
LIP/EOP ELEV=20.94
SUMP=8.50
INV IN(N)= 10.50 42" RCP
INV IN(E)= 15.25 18" RCP
INV OUT (S)= 12.75 48" RCP

S-A27
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 194+30.00 (39.25 R)
RIM ELEV=21.31
LIP/EOP ELEV=20.94
SUMP=13.65
INV OUT (W)= 15.65 18" RCP

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2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

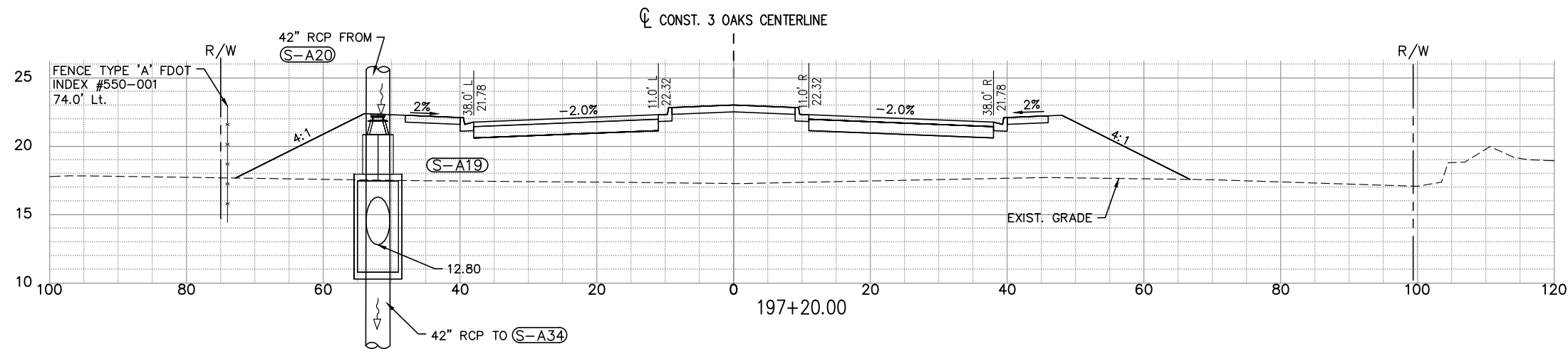
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THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

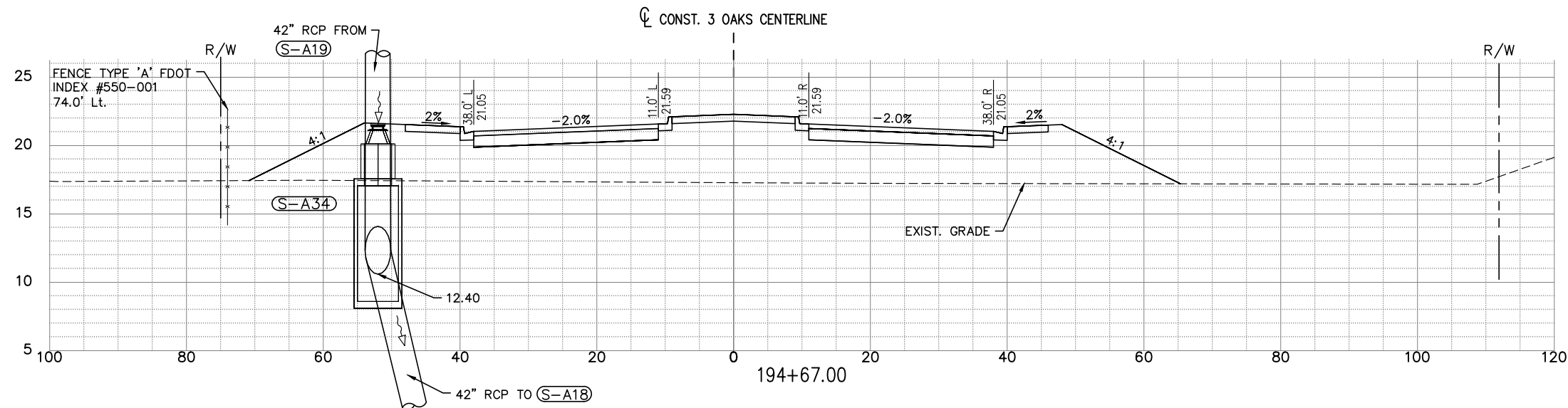
DRAINAGE STRUCTURES
THREE OAKS PKWY EXT.

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P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT PHASE\DRNG-STR X-SECT.dwg 45 DRAINAGE STRUCTURES 1/26/2023 12:03:41 PM Avalon Engineering Inc.

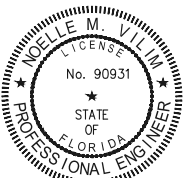
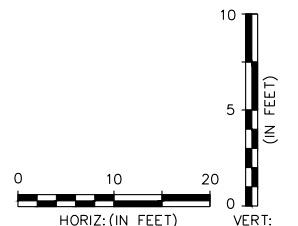


(S-A19)
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 197+20.00 (-52.00 L)
RIM=22.35
SUMP=10.80
INV IN(N)= 12.80 42" RCP
INV OUT (S)= 12.80 42" RCP



(S-A34)
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 194+67.00 (-52.00 L)
RIM=21.62
SUMP=8.60
INV IN(N)= 12.40 42" RCP
INV OUT (S)= 10.60 42" RCP

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LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

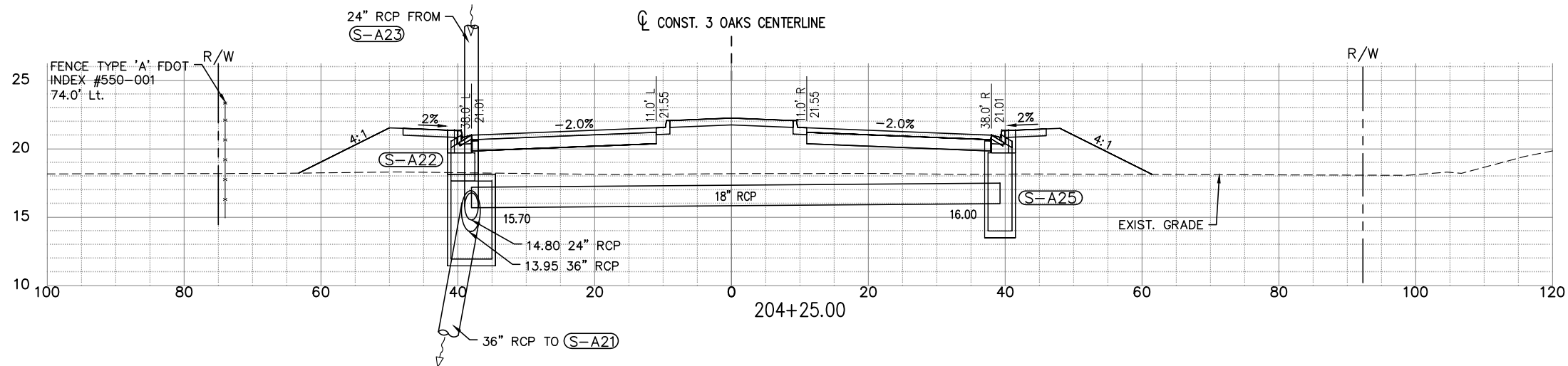
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(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

DRAINAGE STRUCTURES
THREE OAKS PKWY EXT.

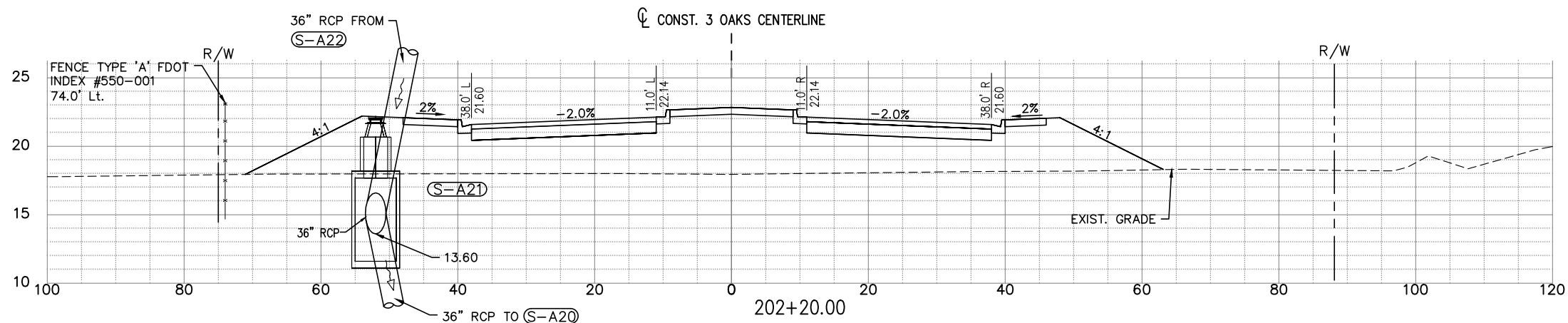
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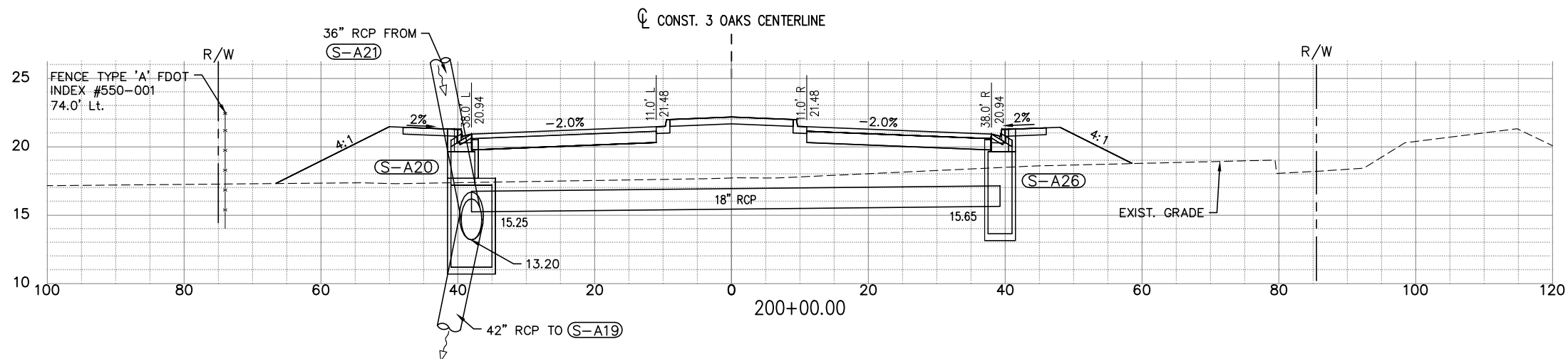
(S-A22)
CONST. CURB INLET TYPE 'J-6' <10'
FDOT Index No. 425-021
STA 204+25.00 (-39.25 L)
RIM ELEV=21.39
LIP/EOP ELEV=21.01
SUMP=11.95
INV IN(E)= 15.70 18" RCP
INV IN(N)= 14.80 24" RCP
INV OUT (S)= 13.95 36" RCP

(S-A25)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 204+25.00 (39.25 R)
RIM ELEV=21.39
LIP/EOP ELEV=21.01
SUMP=14.00
INV OUT (W)= 16.00 18" RCP



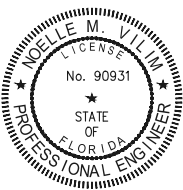
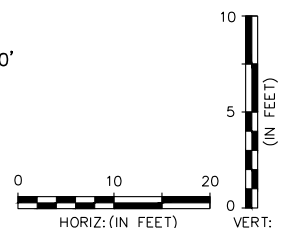
(S-A21)
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 202+20.00 (-52.00 L)
RIM=22.17
SUMP=11.60
INV IN(N)= 13.60 36" RCP
INV OUT (S)= 13.60 36" RCP

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1929 ADD 1.18 FT.



(S-A20)
CONST. CURB INLET TYPE 'J-6' <10'
FDOT Index No. 425-021
STA 200+00.00 (-39.25 L)
RIM ELEV=21.31
LIP/EOP ELEV=20.94
SUMP=11.20
INV IN(N)= 13.20 36" RCP
INV IN(E)= 15.25 18" RCP
INV OUT (S)= 13.20 42" RCP

(S-A26)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 200+00.00 (39.25 R)
RIM ELEV=21.31
LIP/EOP ELEV=20.94
SUMP=13.65
INV OUT (W)= 15.65 18" RCP



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PROJ. MGR. Noelle M. Vilim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

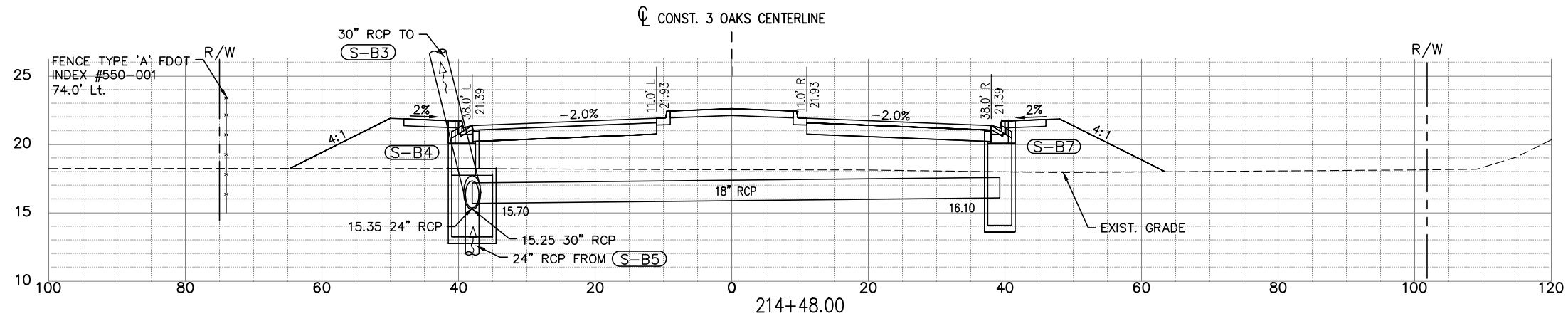
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OF
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(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

DRAINAGE STRUCTURES
THREE OAKS PKWY EXT.

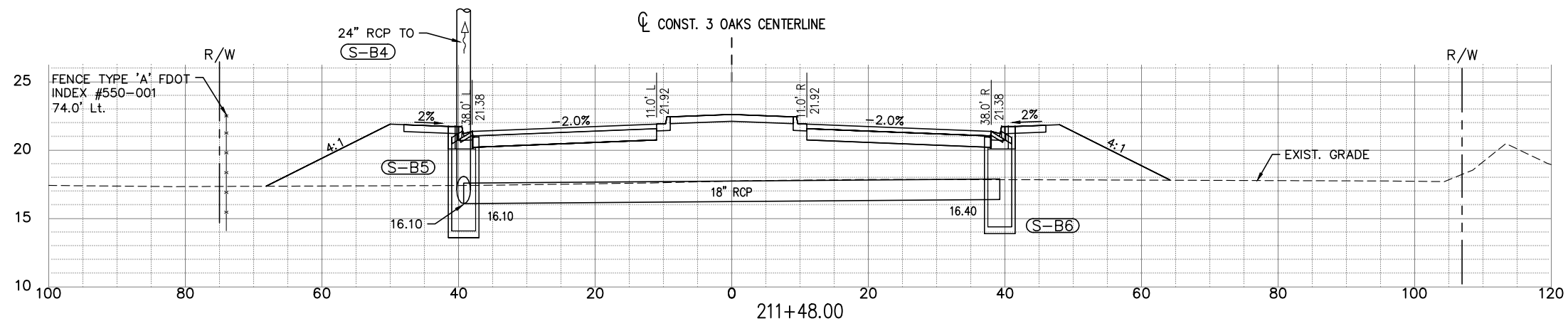
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(S-B4)
CONST. CURB INLET TYPE 'J-6' <10'
FDOT Index No. 425-021
STA 214+48.00 (-39.25 L)
RIM ELEV=21.77
LIP/EOP ELEV=21.39
SUMP=13.25
INV IN(E)= 15.70 18" RCP
INV IN(S)= 15.35 24" RCP
INV OUT (N)= 15.25 30" RCP

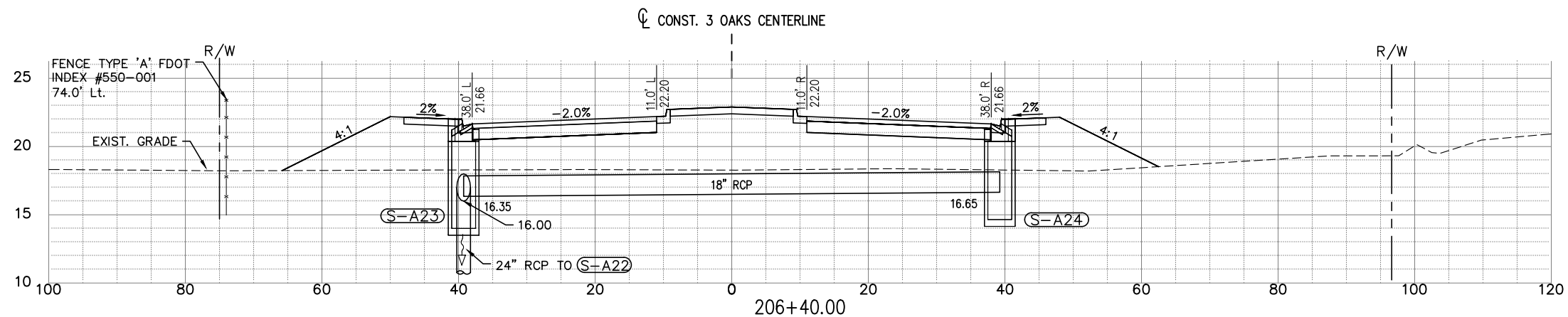
(S-B7)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 214+48.00 (39.25 R)
RIM ELEV=21.77
LIP/EOP ELEV=21.39
SUMP=14.10
INV OUT (W)= 16.10 18" RCP



(S-B5)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 211+48.00 (-39.25 L)
RIM ELEV=21.76
LIP/EOP ELEV=21.38
SUMP=14.10
INV IN(E)= 16.10 18" RCP
INV OUT (N)= 16.10 24" RCP

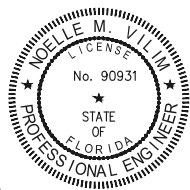
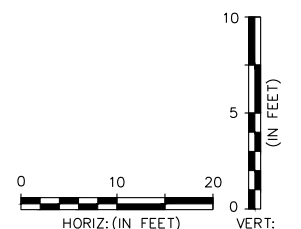
(S-B6)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 211+48.00 (39.25 R)
RIM ELEV=21.76
LIP/EOP ELEV=21.38
SUMP=14.40
INV OUT (W)= 16.40 18" RCP

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(S-A23)
CONST. CURB INLET TYPE 'P-5' <10'
FDOT Index No. 425-021
STA 206+40.00 (-39.25 L)
RIM ELEV=22.03
LIP/EOP ELEV=21.66
SUMP=14.00
INV IN(E)= 16.35 18" RCP
INV OUT (S)= 16.00 24" RCP

(S-A24)
CONST. CURB INLET TYPE 'P-5' <10'
FDOT Index No. 425-021
STA 206+40.00 (39.25 R)
RIM ELEV=22.03
LIP/EOP ELEV=21.66
SUMP=14.65
INV OUT (W)= 16.65 18" RCP



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LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

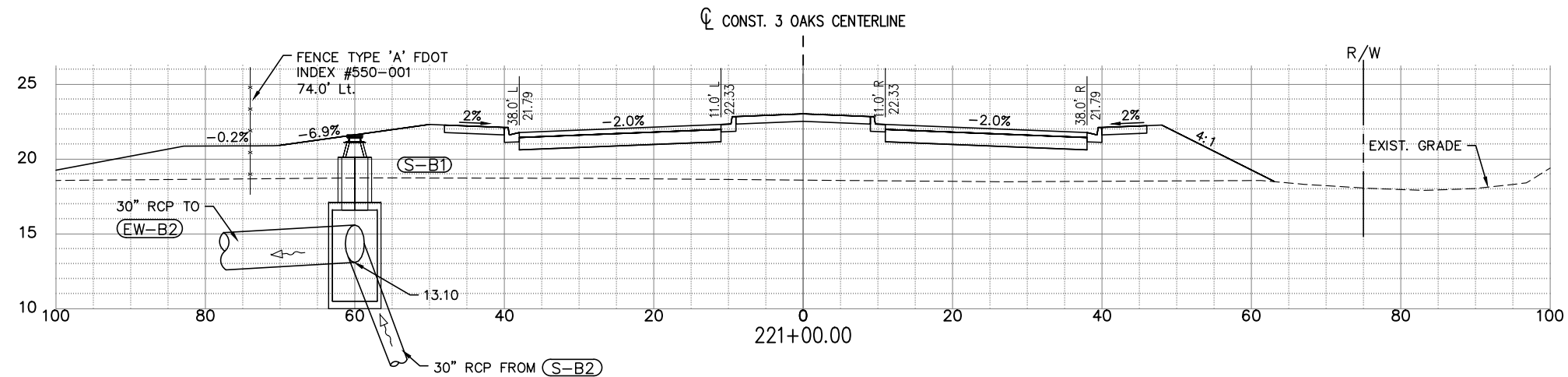
LEE COUNTY DEPARTMENT
OF
TRANSPORTATION
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THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

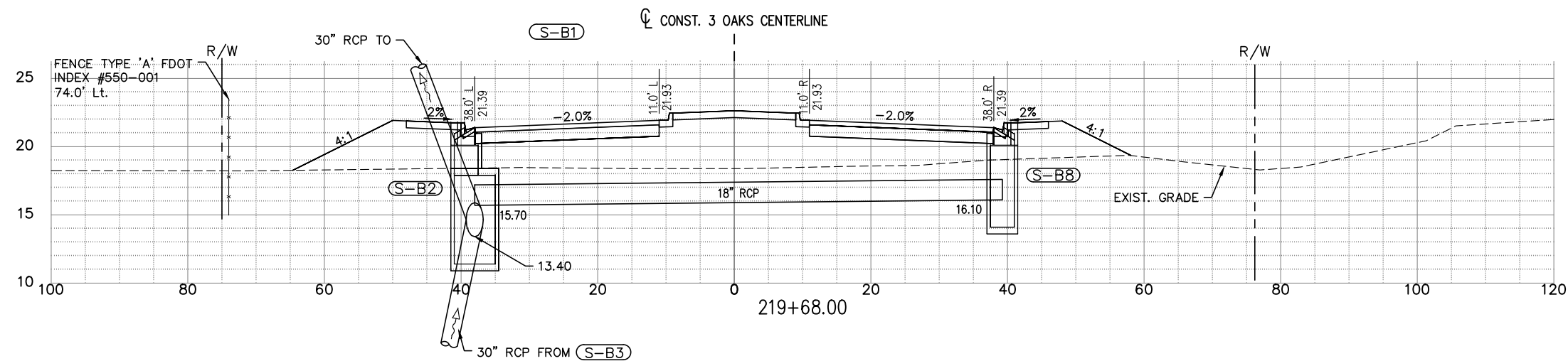
DRAINAGE STRUCTURES
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SHEET
47 of 132

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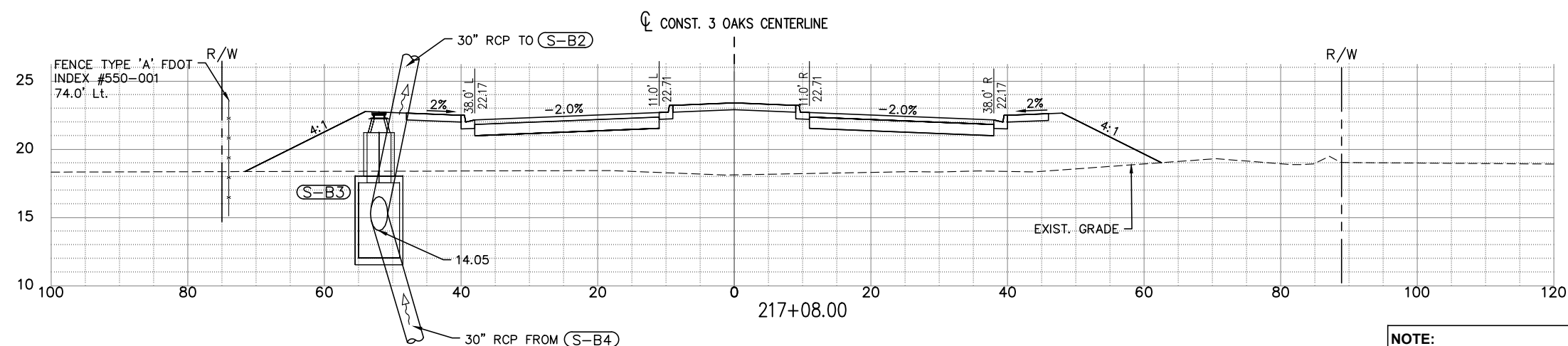


(S-B1)
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 221+00.00 (-60.00 L)
RIM=21.63
SUMP=10.50
INV IN(S)= 13.10 30" RCP
INV OUT (NW)= 12.50 30" RCP



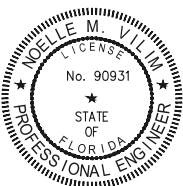
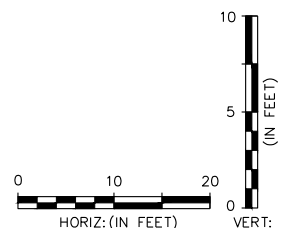
(S-B2)
CONST. CURB INLET TYPE 'J-6' <10'
FDOT Index No. 425-021
STA 219+68.00 (-39.25 L)
RIM ELEV=21.77
LIP/EOP ELEV=21.39
SUMP=11.40
INV IN(E)= 15.70 18" RCP
INV IN(S)= 13.40 30" RCP
INV OUT (N)= 13.40 30" RCP

(S-B8)
Index No. 425-021 - Curb Inlet Type 6 v
Rectangular Structure Bottom
STA 219+68.00 (39.25 R)
RIM ELEV=21.77
LIP/EOP ELEV=21.39
SUMP=14.10
INV OUT (W)= 16.10 18" RCP



(S-B3)
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 217+08.00 (-52.00 L)
RIM=22.75
SUMP=12.05
INV IN(S)= 14.05 30" RCP
INV OUT (N)= 14.05 30" RCP

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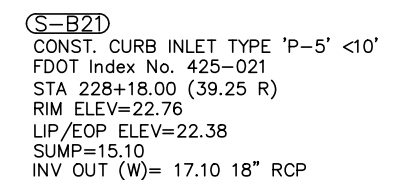
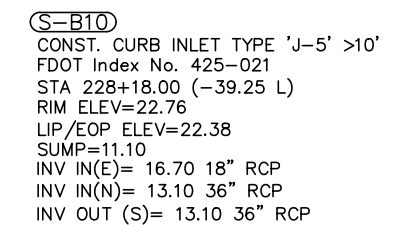
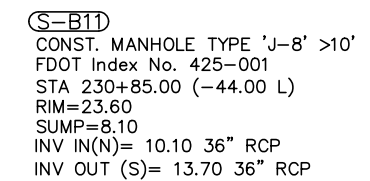
AVALON ENGINEERING, INC.
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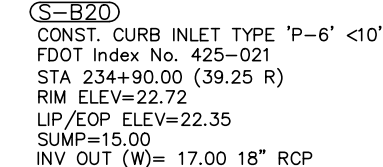
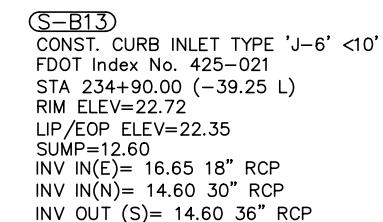
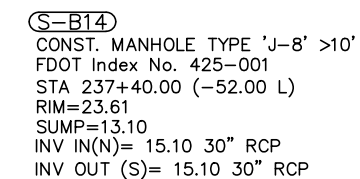
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THREE OAKS PKWY EXT.

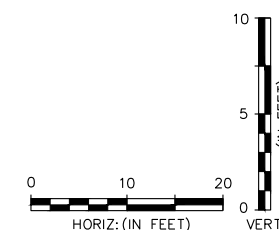
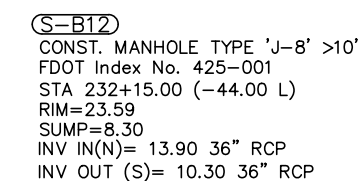
SHEET
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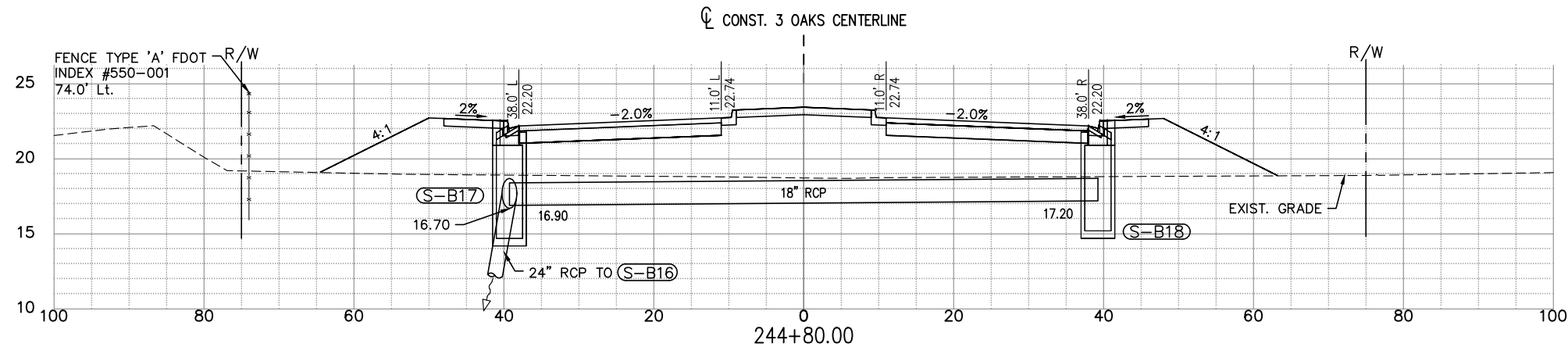
(S-B9)=
CONST. CURB INLET TYPE 'J-6' >10'
FDOT Index No. 425-021
STA 224+88.00 (-39.25 L)
RIM ELEV=21.77
LIP/EOP ELEV=21.39
SUMP=10.00
INV IN(E)= 15.70 18" RCP
INV IN(N)= 12.40 36" RCP
INV OUT (SW)= 12.00 36" RCP



NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN ON THIS SHEET REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.

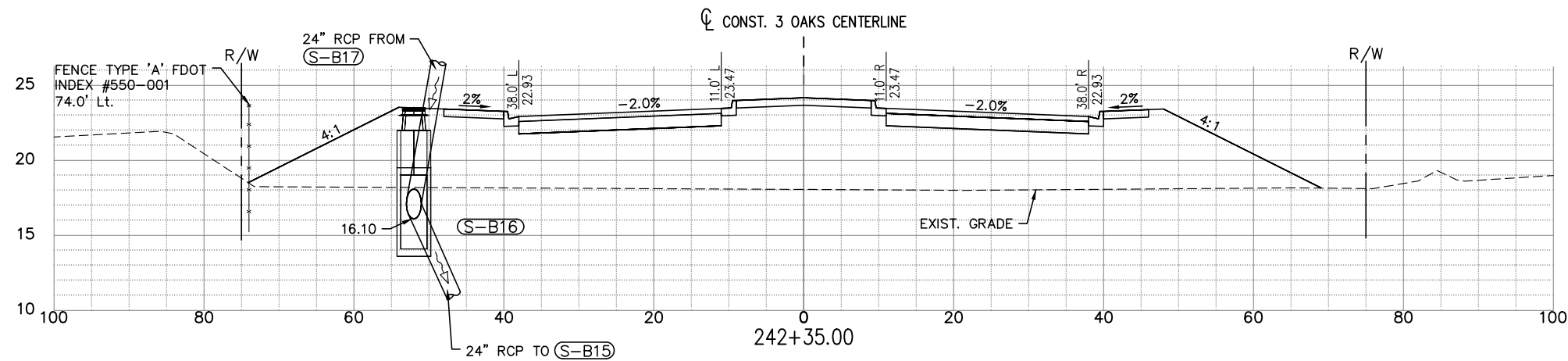


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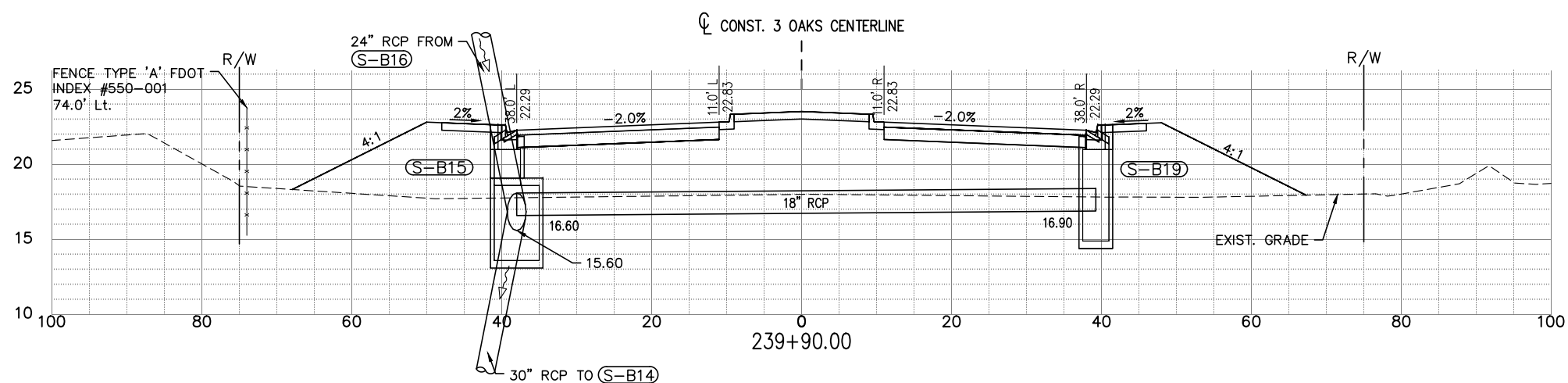


(S-B17)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 244+80.00 (-39.25 L)
RIM ELEV=22.57
LIP/EOP ELEV=22.20
SUMP=14.70
INV IN(E)= 16.90 18" RCP
INV OUT (S)= 16.70 24" RCP

(S-B18)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 244+80.00 (39.25 R)
RIM ELEV=22.57
LIP/EOP ELEV=22.20
SUMP=15.20
INV OUT (W)= 17.20 18" RCP



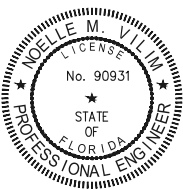
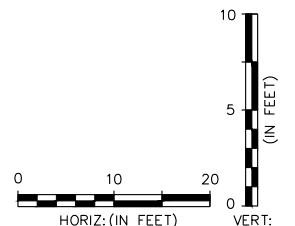
(S-B16)
CONST. MANHOLE TYPE 'P-8' <10'
FDOT Index No. 425-001
STA 242+35.00 (-52.00 L)
RIM=23.51
SUMP=14.10
INV IN(N)= 16.10 24" RCP
INV OUT (S)= 16.10 24" RCP



(S-B15)
CONST. CURB INLET TYPE 'J-6' <10'
FDOT Index No. 425-021
STA 239+90.00 (-39.25 L)
RIM ELEV=22.66
LIP/EOP ELEV=22.29
SUMP=13.60
INV IN(E)= 16.60 18" RCP
INV IN(N)= 15.60 24" RCP
INV OUT (S)= 15.60 30" RCP

(S-B19)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 239+90.00 (39.25 R)
RIM ELEV=22.66
LIP/EOP ELEV=22.29
SUMP=14.90
INV OUT (W)= 16.90 18" RCP

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1929 ADD 1.18 FT.



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BID SET PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Noelle M. Vilim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

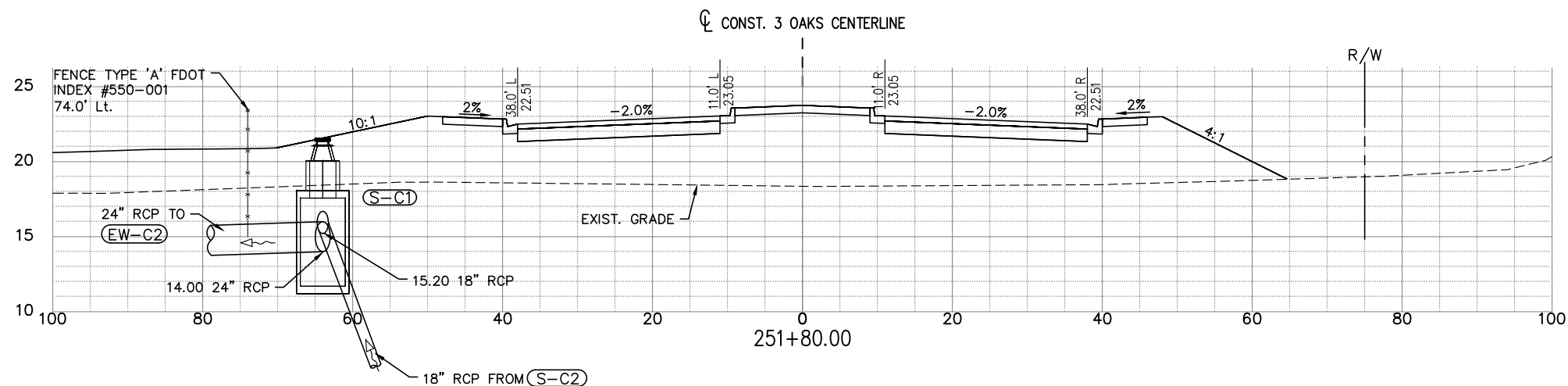
LEE COUNTY DEPARTMENT
OF
TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

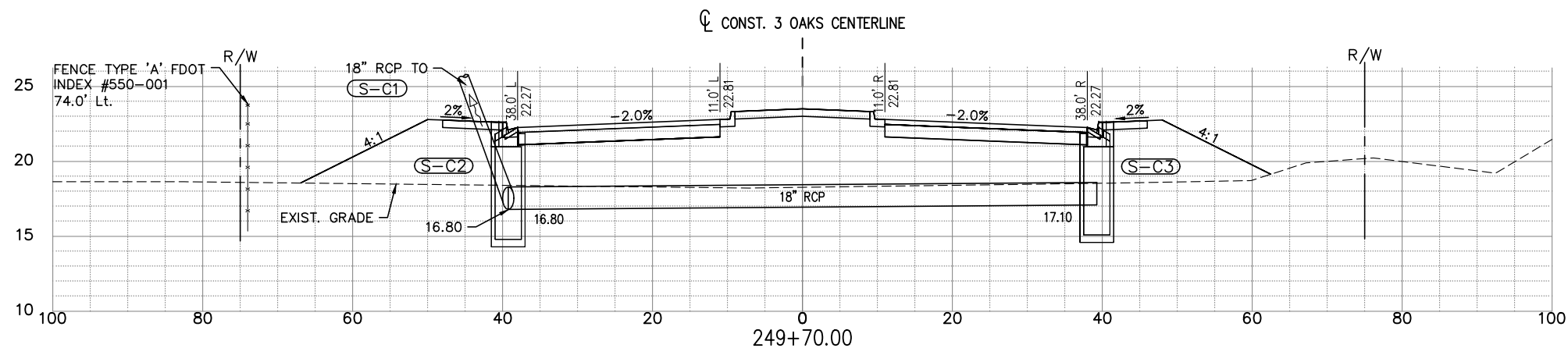
DRAINAGE STRUCTURES
THREE OAKS PKWY EXT.

SHEET
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P:\CAD\2017\17-372\3-Oaks-Pkwy\PILOT PHASE\DRNG-STR X-SECT.dwg 52 DRAINAGE STRUCTURES 1/26/2023 12:05:50 PM Avalon Engineering Inc.

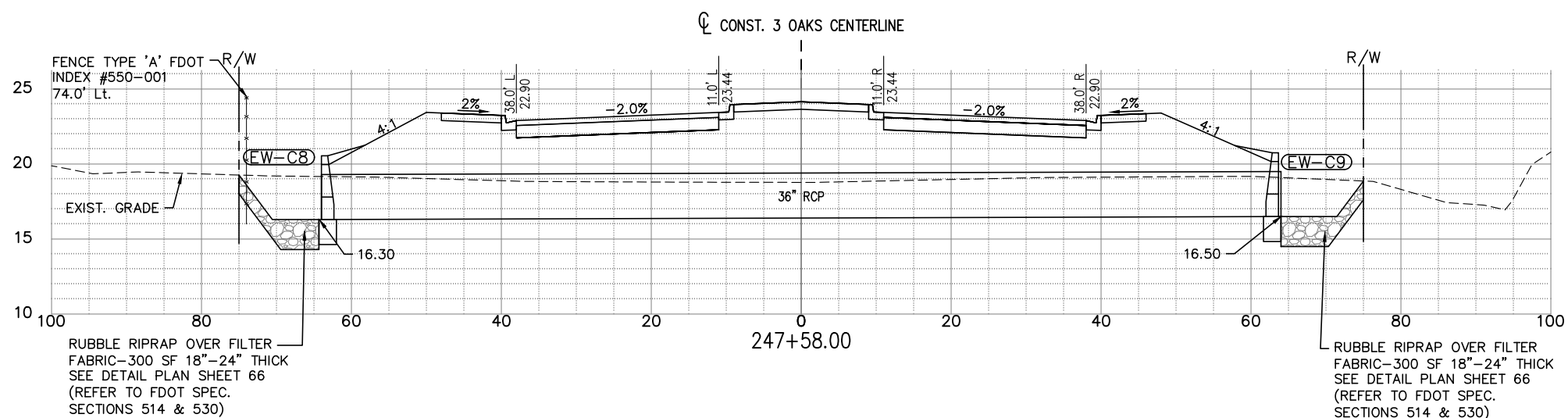


(S-C1)
CONST. MANHOLE TYPE 'J-8' <10'
FDOT Index No. 425-001
STA 251+80.00 (-64.00 L)
RIM=21.56
SUMP=11.70
INV IN(S)= 15.20 18" RCP
INV OUT (W)= 13.70 24" RCP



(S-C2)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 249+70.00 (-39.25 L)
RIM ELEV=22.64
LIP/EOP ELEV=22.27
SUMP=14.80
INV IN(E)= 16.80 18" RCP
INV OUT (N)= 16.80 18" RCP

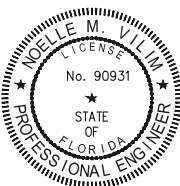
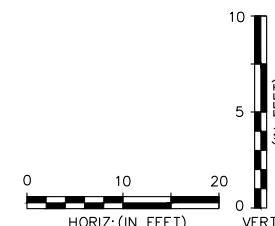
(S-C3)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 249+70.00 (39.25 R)
RIM ELEV=22.64
LIP/EOP ELEV=22.27
SUMP=15.10
INV OUT (W)= 17.10 18" RCP



(EW-C8)
CONST. 36" STRAIGHT CONC. ENDWALL
FDOT INDEX 430-030
STA 247+58.00 (-64.00 L)
INV IN (E)= 16.30 36" RCP

(EW-C9)
CONST. 36" STRAIGHT CONC. ENDWALL
FDOT INDEX 430-030
STA 247+58.00 (64.00 R)
INV OUT= 16.50 (W)

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LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

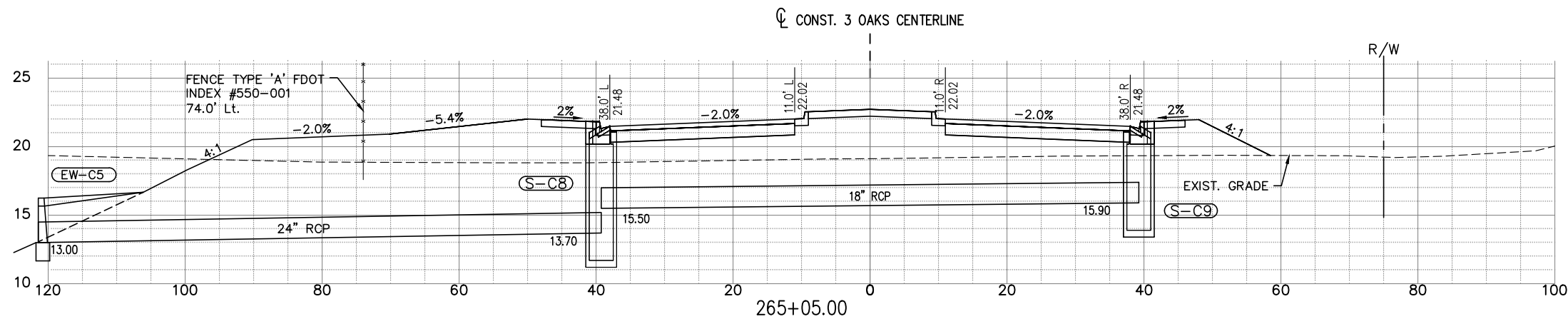
LEE COUNTY DEPARTMENT
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(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

DRAINAGE STRUCTURES
THREE OAKS PKWY EXT.

SHEET
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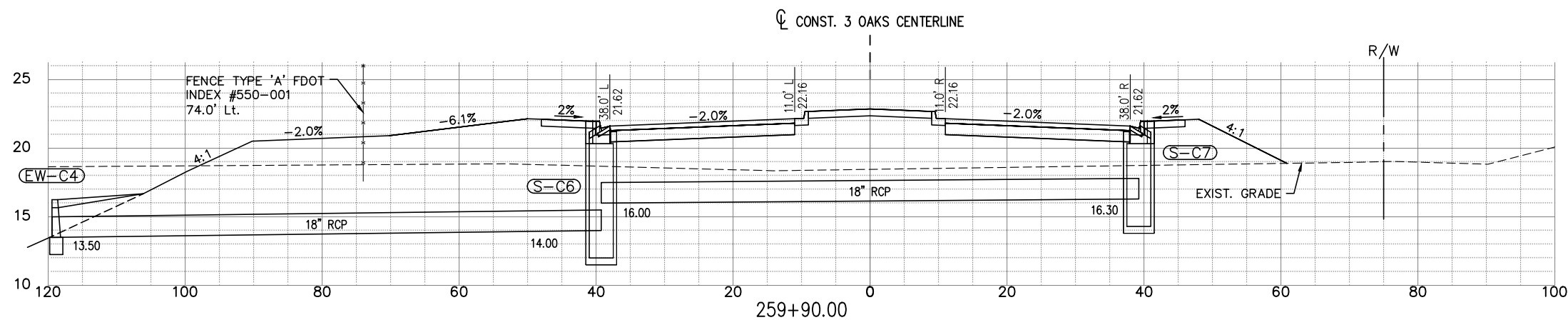
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EW-C5
CONSTRUCT 24" CONC. ENDWALL
FDOT INDEX 430-030
STA 265+05.00 (-121.45 L)
INV IN= 13.00 (E)

S-C8
CONST. CURB INLET TYPE 'P-6' >10'
FDOT Index No. 425-021
STA 265+05.00 (-39.25 L)
RIM ELEV=21.86
LIP/EOP ELEV=21.48
SUMP=11.70
INV IN(E)= 15.50 18" RCP
INV OUT (W)= 13.70 24" RCP

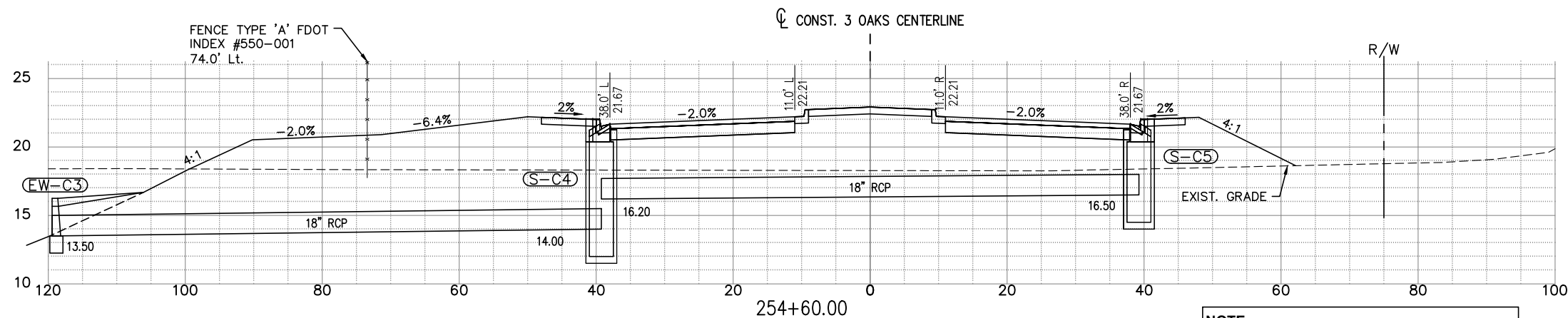
S-C9
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 265+05.00 (39.25 R)
RIM ELEV=21.86
LIP/EOP ELEV=21.48
SUMP=13.90
INV OUT (W)= 15.90 18" RCP



EW-C4
CONST. 18" STRAIGHT CONC. ENDWALL
FDOT Index No. 430-030
STA 259+90.00 (-119.45 L)
INV IN (E)= 13.50 18" RCP

S-C6
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 259+90.00 (-39.25 L)
RIM ELEV=21.99
LIP/EOP ELEV=21.62
SUMP=12.00
INV IN(E)= 16.00 18" RCP
INV OUT (W)= 14.00 18" RCP

S-C7
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 259+90.00 (39.25 R)
RIM ELEV=21.99
LIP/EOP ELEV=21.62
SUMP=14.30
INV OUT (W)= 16.30 18" RCP

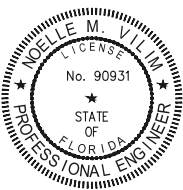
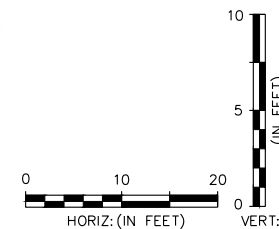


EW-C3
CONST. 18" STRAIGHT CONC. ENDWALL
FDOT Index No. 430-030
STA 254+60.00 (-119.45 L)
INV IN (E)= 13.50 18" RCP

S-C4
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 254+60.00 (-39.25 L)
RIM ELEV=22.04
LIP/EOP ELEV=21.67
SUMP=12.00
INV IN(E)= 16.20 18" RCP
INV OUT (W)= 14.00 18" RCP

S-C5
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 254+60.00 (39.25 R)
RIM ELEV=22.04
LIP/EOP ELEV=21.67
SUMP=14.50
INV OUT (W)= 16.50 18" RCP

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PROJ. MGR. Noelle M. Vilim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

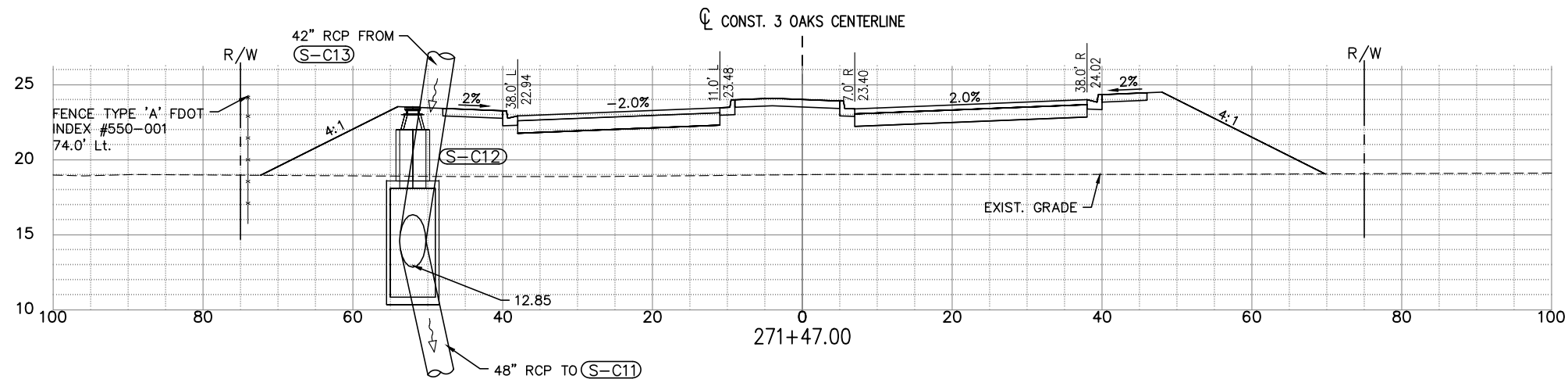
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

DRAINAGE STRUCTURES
THREE OAKS PKWY EXT.

SHEET
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P:\CAD\2017\17-372\3-Oaks-Pkwy\PILOT PHASE\DRNG-STR X-SECT.dwg, 54 DRAINAGE STRUCTURES, 1/26/2023 12:06:30 PM, Avalon Engineering, Inc.



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1929 ADD 1.18 FT.

(S-C12)
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 271+47.00 (-52.00 L)
RIM=23.51
SUMP=10.85
INV IN(NW)= 12.85 42" RCP
INV OUT (SE)= 12.85 48" RCP

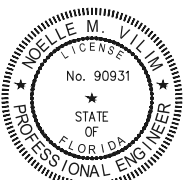
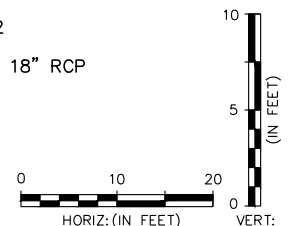
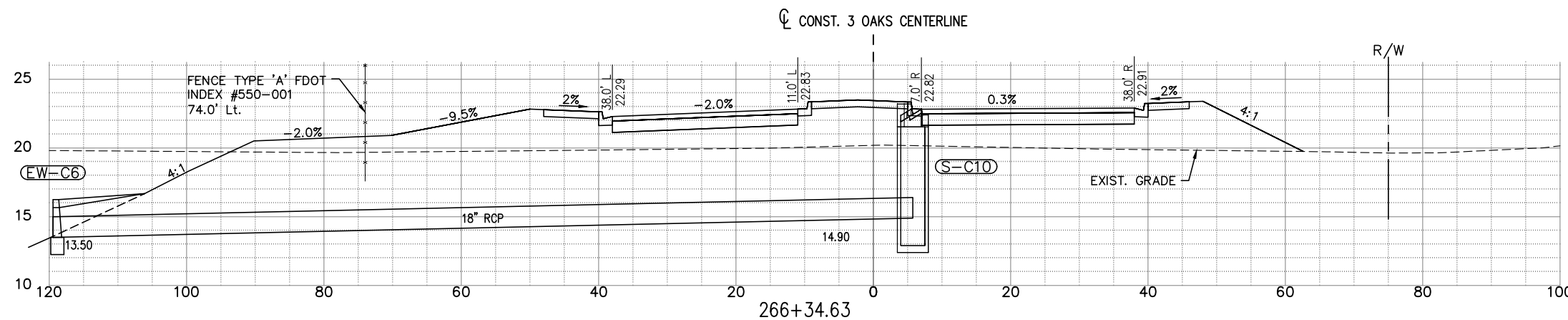
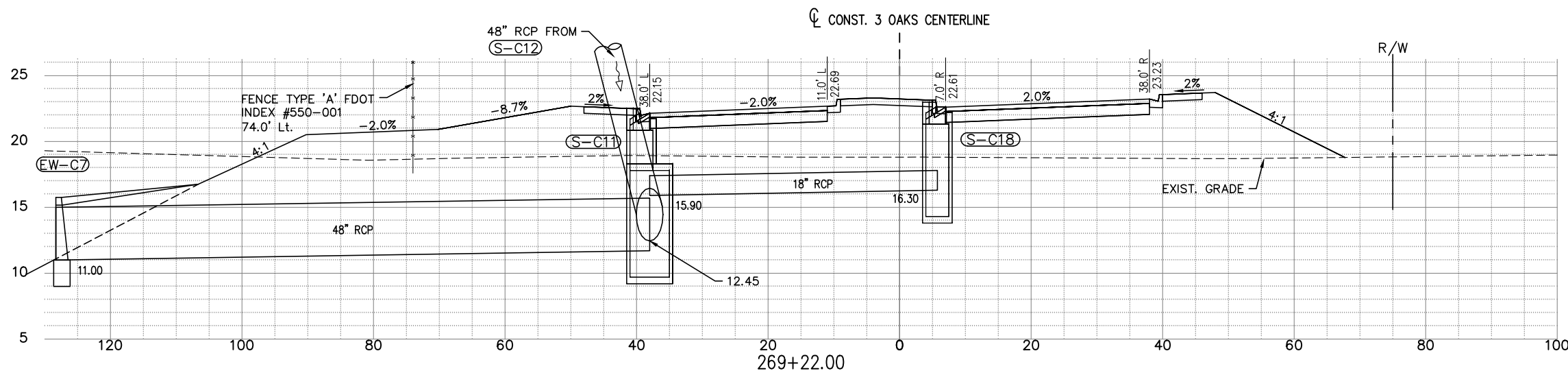
(EW-C7)
CONSTRUCT 48" CONC. ENDWALL
FDOT INDEX 430-030
STA 269+22.00 (-128.29 L)
INV IN= 11.00 (E)

(S-C11)
CONST. CURB INLET TYPE 'J-6' >10'
FDOT Index No. 425-021
STA 269+22.00 (-39.25 L)
RIM ELEV=22.52
LIP/EOP ELEV=22.15
SUMP=9.70
INV IN(NW)= 12.45 48" RCP
INV IN(E)= 15.90 18" RCP
INV OUT (W)= 11.70 48" RCP

(S-C18)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 269+22.00 (5.75 R)
RIM ELEV=22.98
LIP/EOP ELEV=22.61
SUMP=14.30
INV OUT (W)= 16.30 18" RCP

(EW-C6)
CONST. 18" STRAIGHT CONC. ENDWALL
FDOT Index No. 430-030
STA 266+34.63 (-119.45 L)
INV IN (E)= 13.50 18" RCP

(S-C10)
CONST. CURB INLET TYPE 'P-5' <10'
FDOT Index No. 425-021
STA 266+34.63 (5.75 R)
RIM ELEV=23.20
LIP/EOP ELEV=22.82
SUMP=12.90
INV OUT (W)= 14.90 18" RCP



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PROJ. MGR. Noelle M. Vilim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

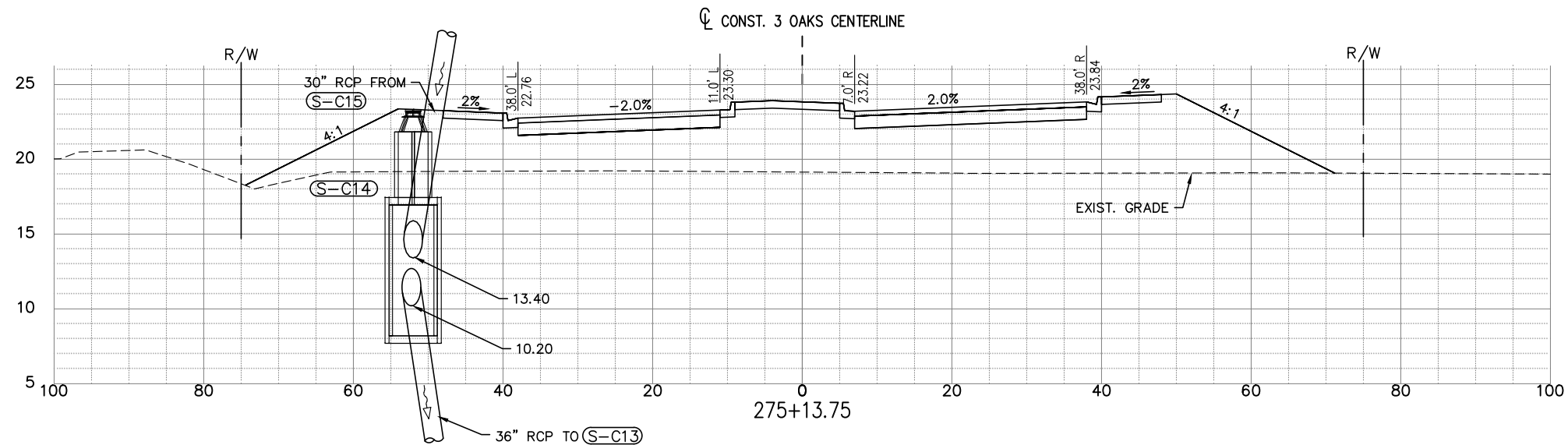
**LEE COUNTY DEPARTMENT
OF
TRANSPORTATION**
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

DRAINAGE STRUCTURES
THREE OAKS PKWY EXT.

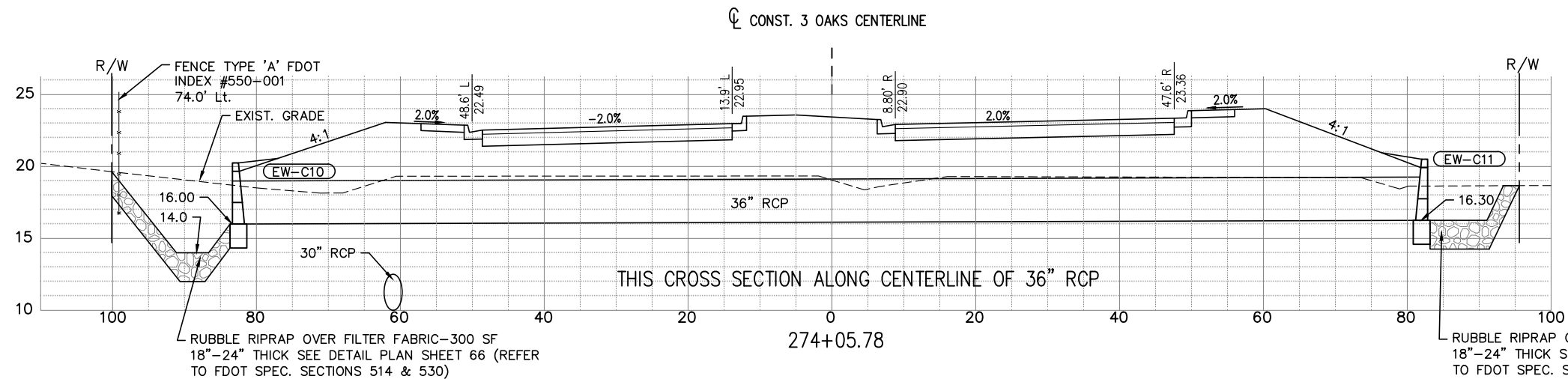
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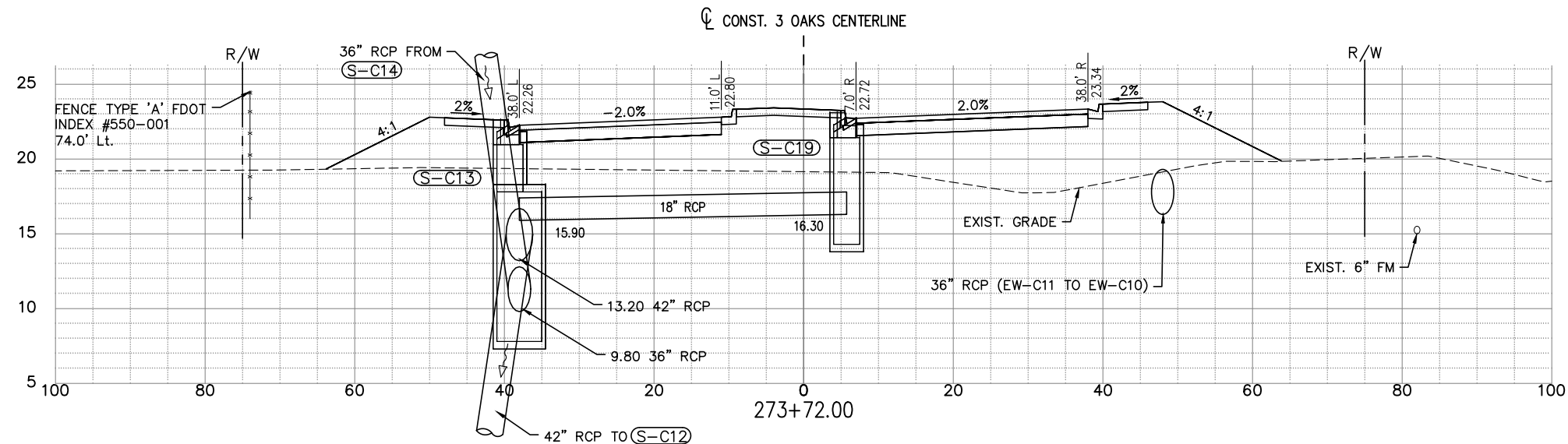
(S-C14)
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 275+13.75 (-52.00 L)
RIM=23.33
SUMP=8.20
INV IN(NW)= 13.40 30" RCP
INV OUT (SE)= 10.20 36" RCP

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1929 ADD 1.18 FT.



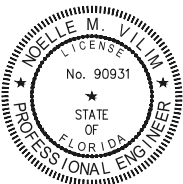
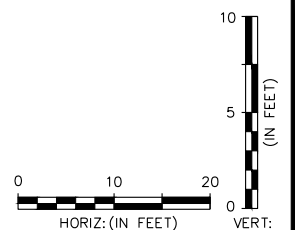
(EW-C10)
CONST. 36" STRAIGHT CONC. ENDWALL
FDOT Index No. 430-030
STA 274+59.47 (-64.00 L)
INV IN (E)= 16.00 36" RCP

(EW-C11)
CONST. 36" STRAIGHT CONC. ENDWALL
FDOT Index No. 430-030
STA 273+58.31 (66.00 R)
INV OUT= 16.30 (W)



(S-C13)
CONST. CURB INLET TYPE 'J-6' >10'
FDOT Index No. 425-021
STA 273+72.00 (-39.25 L)
RIM ELEV=22.64
LIP/EOP ELEV=22.26
SUMP=7.80
INV IN(NW)= 9.80 36" RCP
INV IN(NE)= 15.90 18" RCP
INV OUT (SE)= 13.20 42" RCP

(S-C19)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 273+72.00 (5.75 R)
RIM ELEV=23.10
LIP/EOP ELEV=22.72
SUMP=14.30
INV OUT (SW)= 16.30 18" RCP



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FBPE#3128 (239) 573-2077

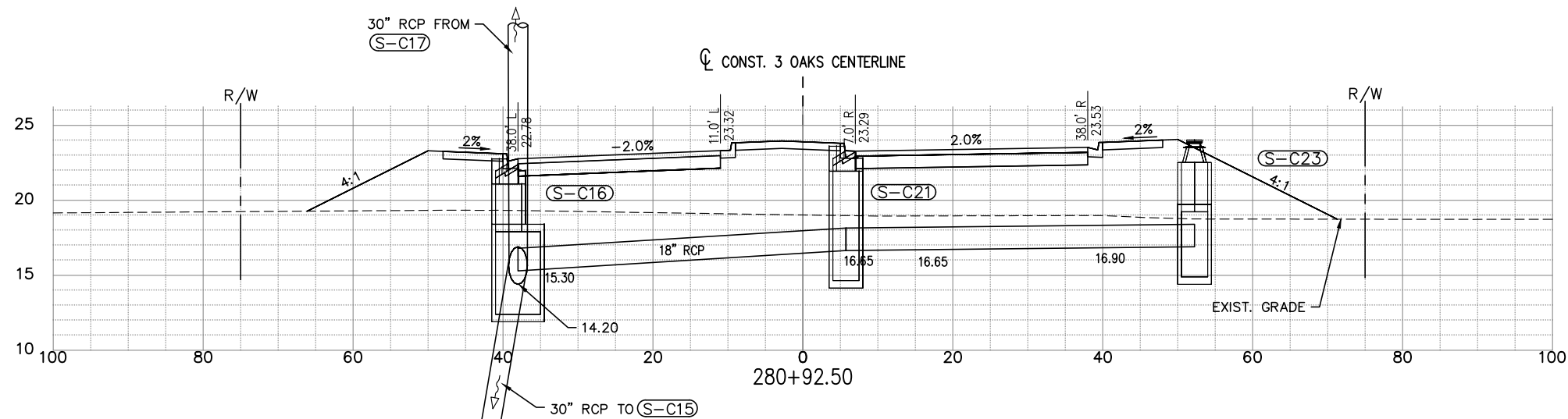
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PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

DRAINAGE STRUCTURES
THREE OAKS PKWY EXT.

SHEET
55 of 132

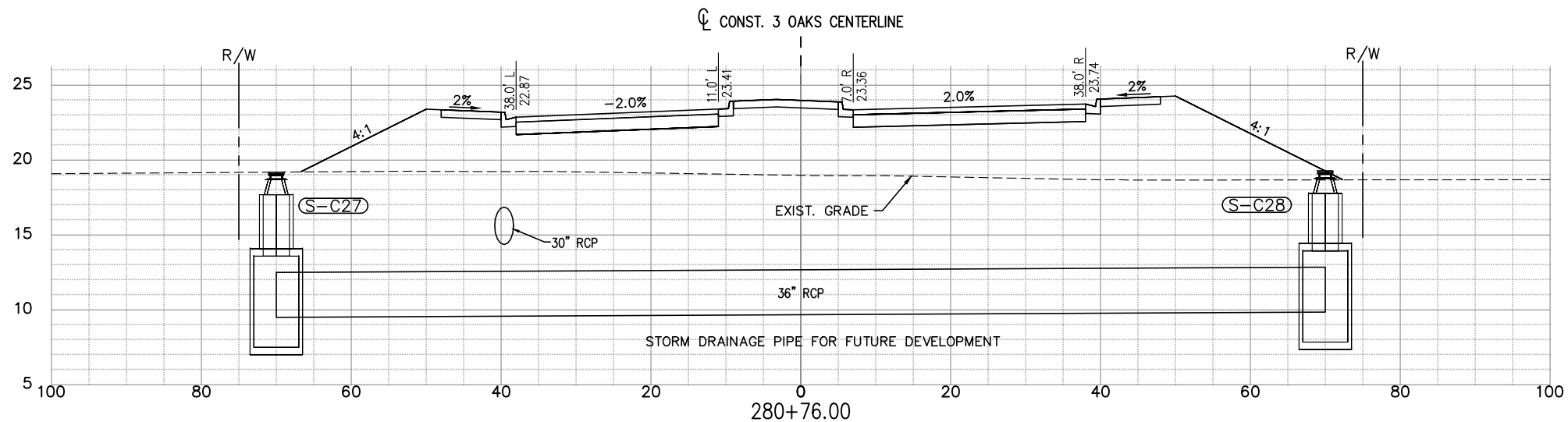
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(S-C16)
CONST. CURB INLET TYPE 'J-5' >10'
FDOT Index No. 425-021
STA 280+92.50 (-39.25 L)
RIM ELEV=22.77
LIP/EOP ELEV=22.40
SUMP=12.40
INV IN(W)= 14.40 30" RCP
INV IN(N)= 15.30 18" RCP
INV OUT (SE)= 14.40 30" RCP

(S-C21)
CONST. CURB INLET TYPE 'P-5' <10'
FDOT Index No. 425-021
STA 280+92.50 (5.75 R)
RIM ELEV=23.61
LIP/EOP ELEV=23.23
SUMP=14.65
INV IN(N)= 16.65 18" RCP
INV OUT (S)= 16.65 18" RCP

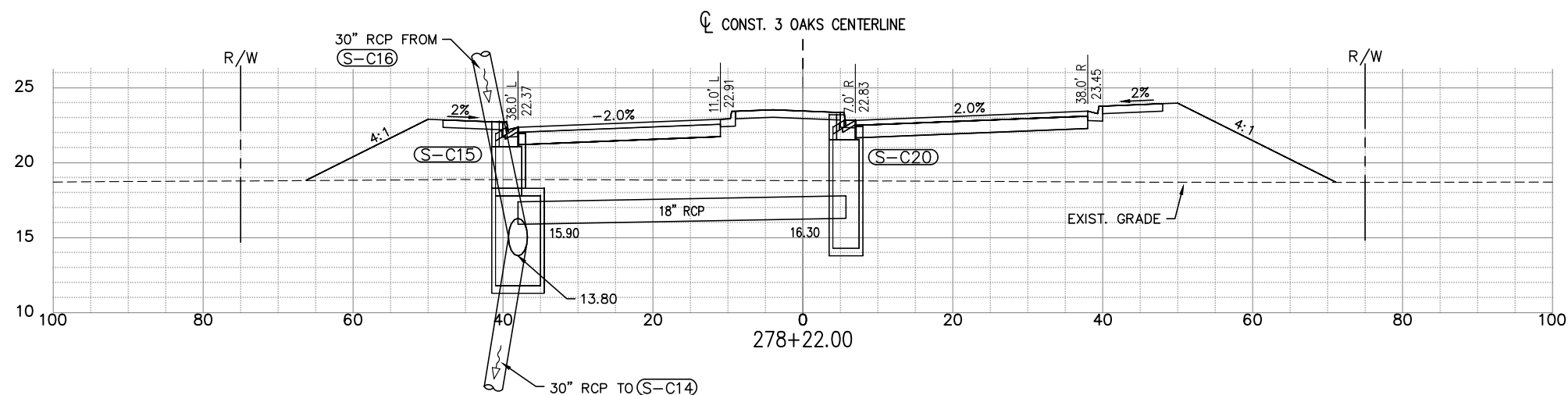
(S-C23)
CONST. MANHOLE TYPE 'P-8' <10' FDOT
Index No. 425-001
STA 280+92.50 (52.25 R)
RIM ELEV=24.03
LIP/EOP ELEV=23.65
SUMP=14.90
INV OUT (S)= 16.90 18" RCP



(S-C27)
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 280+76.00 (-70.00 L)
RIM ELEV=19.20
LIP/EOP ELEV=18.82
SUMP=7.50
INV IN(N)= 9.50 36" RCP

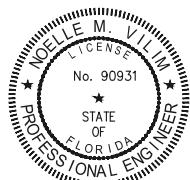
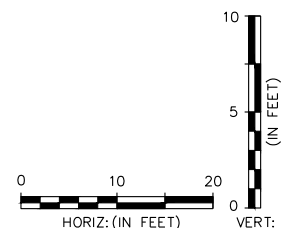
(S-C28)
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 280+76.00 (70.00 R)
RIM ELEV=19.28
LIP/EOP ELEV=18.90
SUMP=7.85
INV OUT (S)= 9.85 36" RCP

NOTE:
1.) ALL EXISTING AND PROPOSED GRADES
SHOWN ON THIS SHEET REFER TO
N.A.V.D. 1988. TO CONVERT TO N.G.V.D.
1929 ADD 1.18 FT.



(S-C15)
CONST. CURB INLET TYPE 'J-6' >10'
FDOT Index No. 425-021
STA 278+22.00 (-39.25 L)
RIM ELEV=22.75
LIP/EOP ELEV=22.37
SUMP=11.80
INV IN(NW)= 13.80 30" RCP
INV IN(NE)= 15.90 18" RCP
INV OUT (SE)= 13.80 30" RCP

(S-C20)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 278+22.00 (5.75 R)
RIM ELEV=23.21
LIP/EOP ELEV=22.83
SUMP=14.30
INV OUT (SW)= 16.30 18" RCP



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01/26/23	NV	ADDENDUM #1

BID SET PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Noelle M. Vilim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

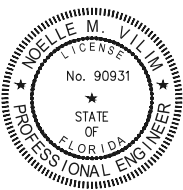
LEE COUNTY DEPARTMENT
OF
TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

DRAINAGE STRUCTURES
THREE OAKS PKWY EXT.

SHEET
56 of 132

P:\CAD\2017\17-372\3-Oaks-Ph1\PILOT PHASE\DRNG-STR X-SECT.dwg, 57 DRAINAGE STRUCTURES, 1/26/2023 12:07:56 PM, Avalon Engineering, Inc.



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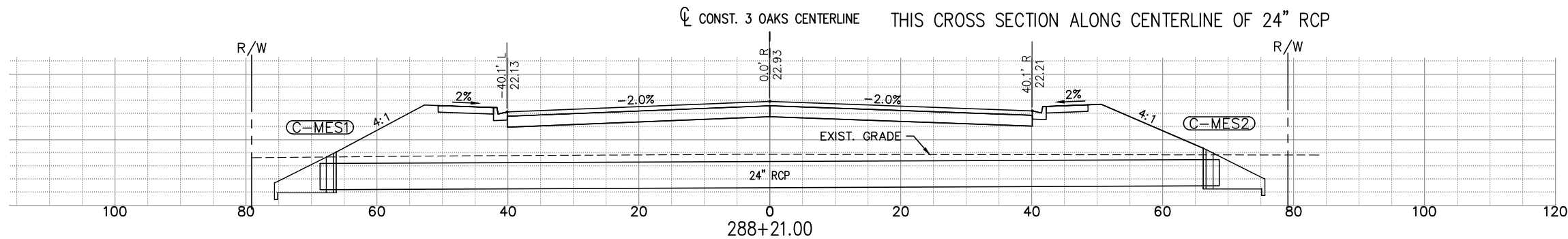
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

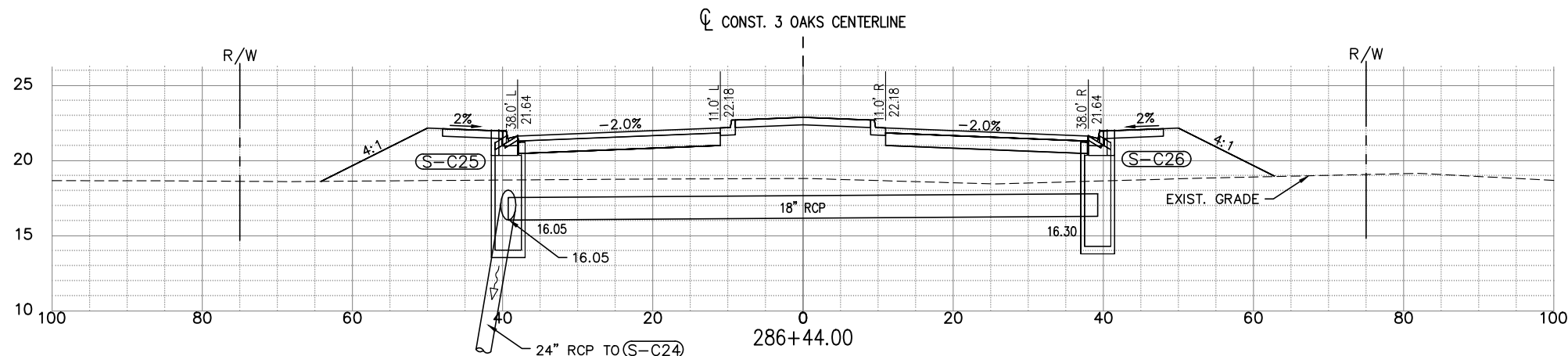
DRAINAGE STRUCTURES
THREE OAKS PKWY EXT.

SHEET
57 of 132



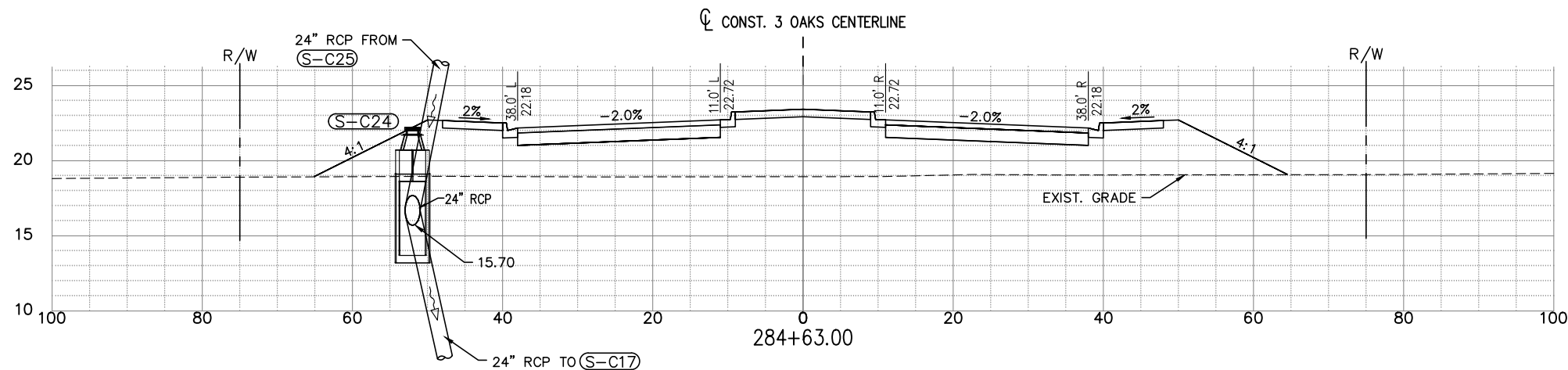
(C-MES1)
CONST. 24" RCP MES
FDOT INDEX 425-021
STA 287+99.09 (-65.10 L)
INV (N) = 16.20 24" RCP

(C-MES2)
CONST. 24" RCP MES
FDOT INDEX 425-021
STA 288+42.90 (65.06 R)
INV (S) = 16.50 24" RCP



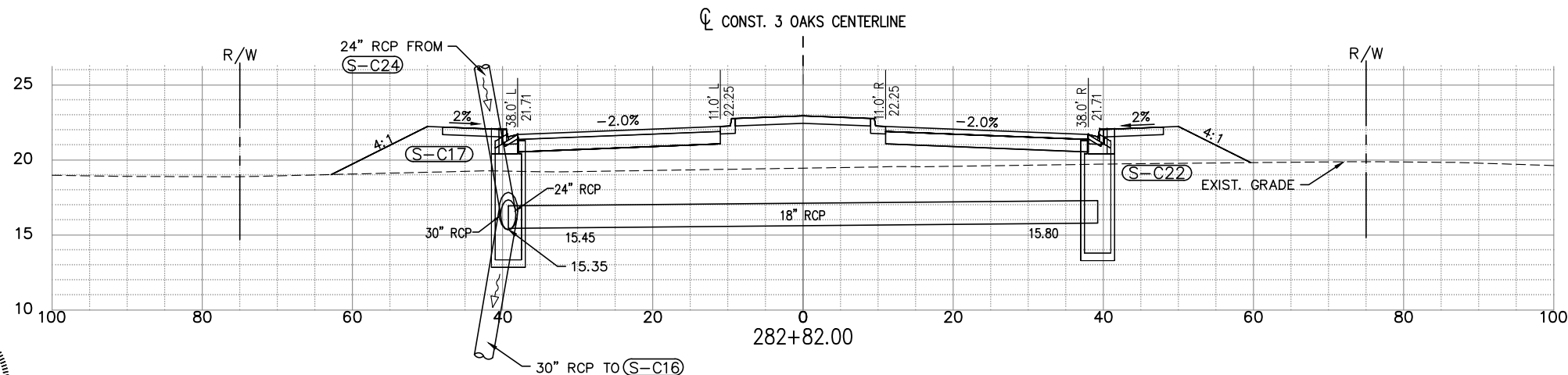
(S-C25)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 286+44.00 (-39.25 L)
RIM ELEV=22.02
LIP/EOP ELEV=21.65
SUMP=14.05
INV IN(N)= 16.05 18" RCP
INV OUT (E)= 16.05 24" RCP

(S-C26)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 286+44.00 (39.25 R)
RIM ELEV=22.02
LIP/EOP ELEV=21.65
SUMP=14.30
INV OUT (S)= 16.30 18" RCP



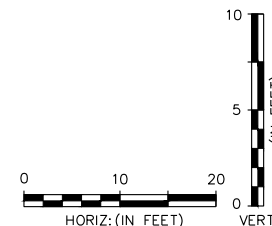
(S-C24)
CONST. MANHOLE TYPE 'P-8' <10'
FDOT Index No. 425-001
STA 284+63.00 (-52.00 L)
RIM=22.22
SUMP=13.70
INV IN(W)= 15.70 24" RCP
INV OUT (E)= 15.70 24" RCP

NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN ON THIS SHEET REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.



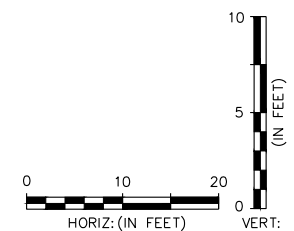
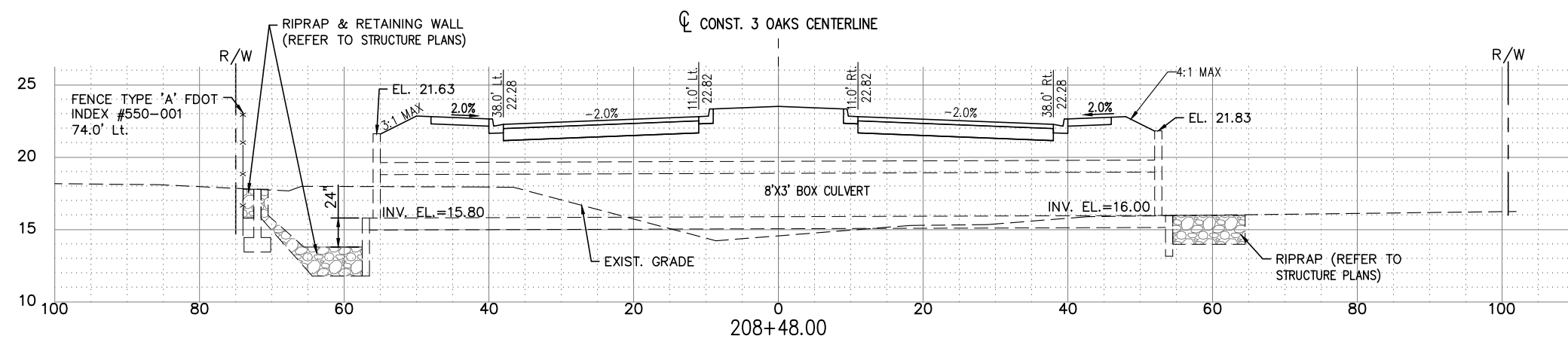
(S-C17)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 282+82.00 (-39.25 L)
RIM ELEV=22.08
LIP/EOP ELEV=21.71
SUMP=13.35
INV IN(N)= 15.45 18" RCP
INV IN(W)= 15.35 24" RCP
INV IN (W)= 15.35 24" RCP
INV OUT (E)= 15.35 30" RCP

(S-C22)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 282+82.00 (39.25 R)
RIM ELEV=22.08
LIP/EOP ELEV=21.71
SUMP=13.80
INV OUT (S)= 15.80 18" RCP



P:\CAD\2017\17-372

NOTE:
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 1988. TO CONVERT TO N.G.V.D, 1929 ADD
 1.18 FT.

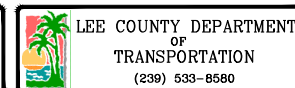


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01/26/23	NV	ADDENDUM #1

AVALON PROJECT: 17-372 PROJ. MGR. Noelle M. Vilim, P.E. LEE COUNTY DOT PROJECT: CN160642/ANB LDOT PROJ. MGR. VINCENT MILLER
--

AVALON ENGINEERING, INC.
 2503 DEL PRADO BLVD, SUITE 200
 CAPE CORAL, FLORIDA 33904
 FBPE#3128 (239) 573-2077

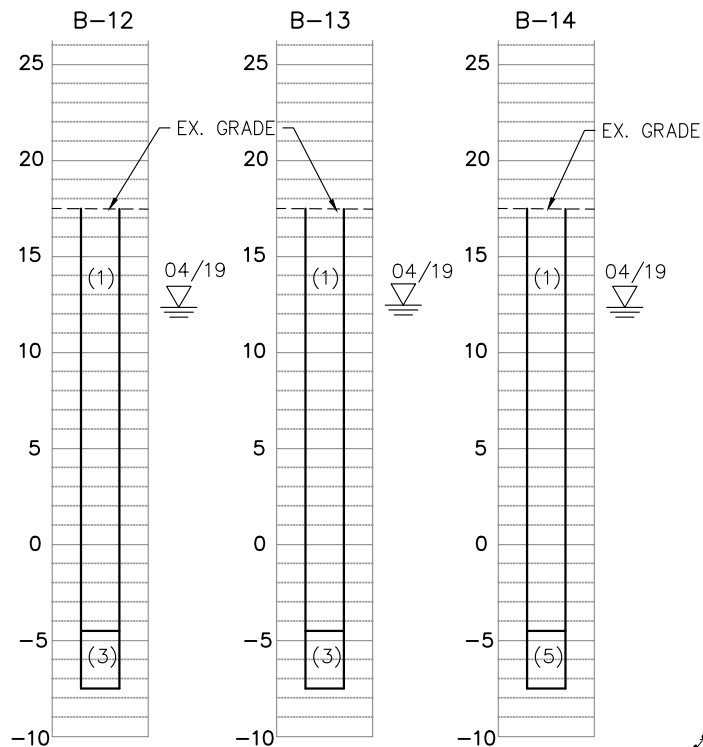


SECTIONS AT BOX CULVERTS
THREE OAKS PKWY EXT.

SHEET
58 of 132

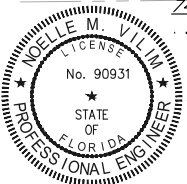
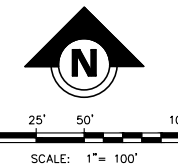
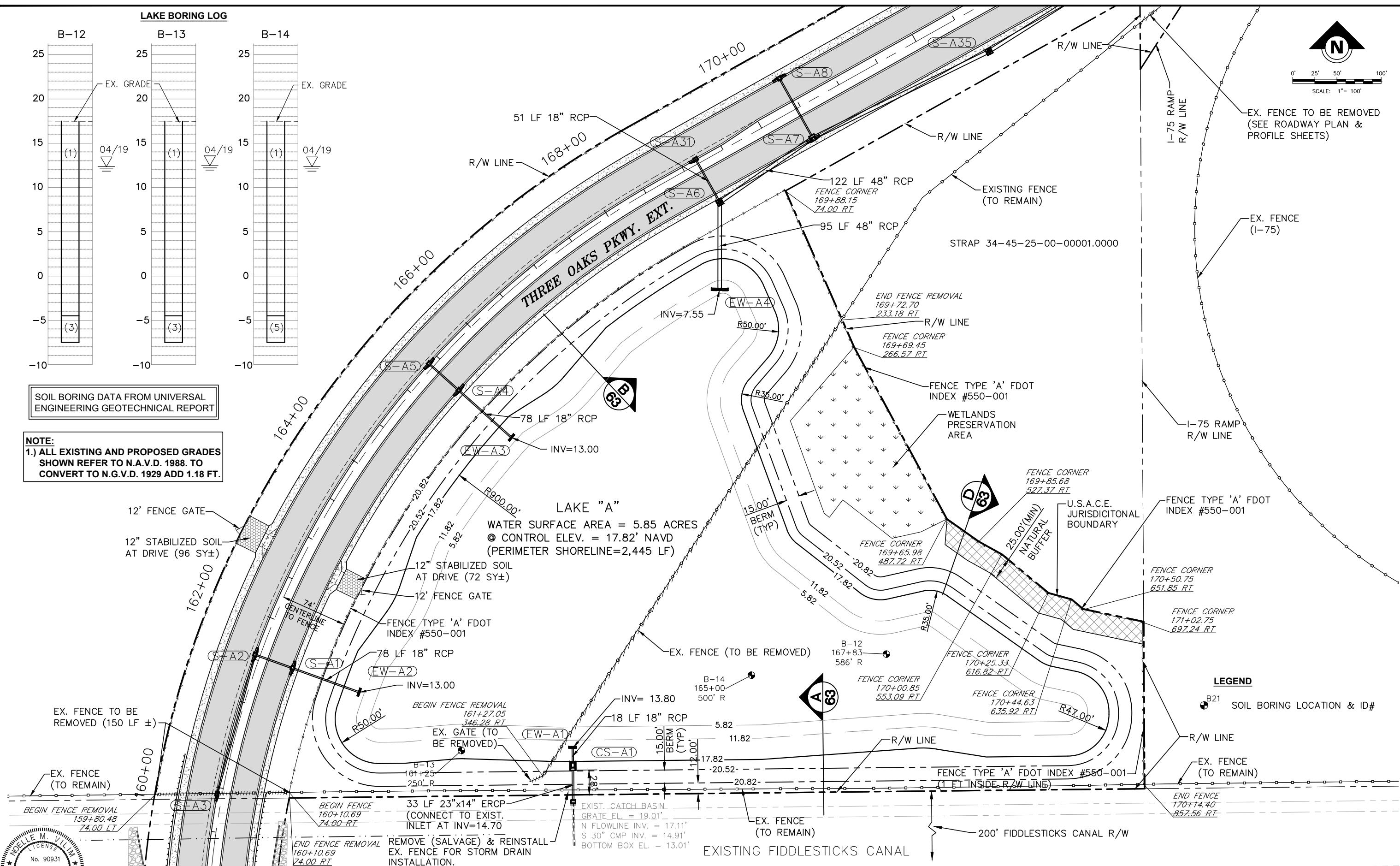
P:\CAD\2017\17-372\3-Oaks-Pkwy\PILOT PHASE\LAKE A.dwg, 59 LAKE A - DETAIL PLAN, 1/26/2023 12:08:39 PM, Avalon Engineering, Inc.

LAKE BORING LOG



SOIL BORING DATA FROM UNIVERSAL
ENGINEERING GEOTECHNICAL REPORT

NOTE:
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LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

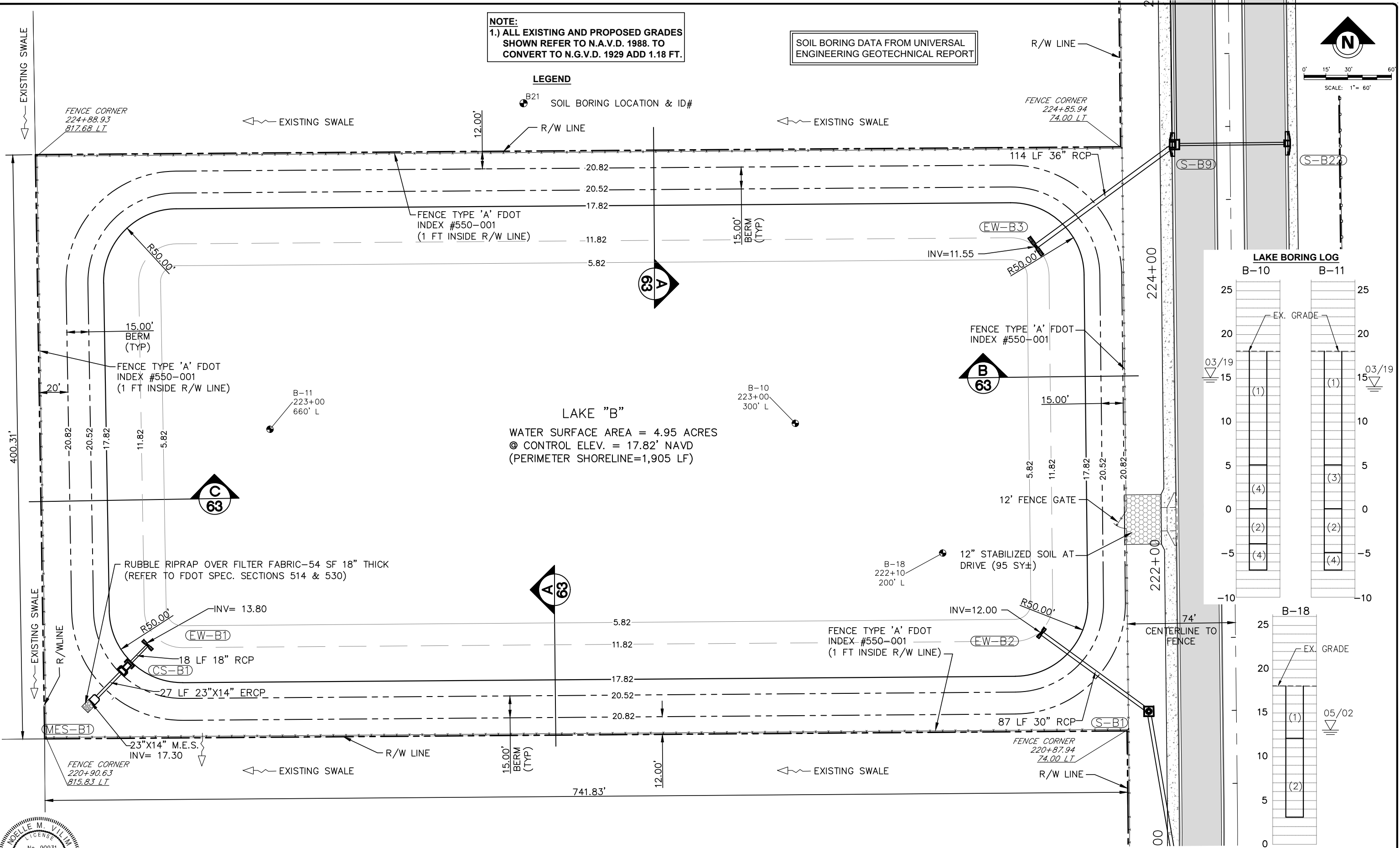
LEE COUNTY DEPARTMENT
OF
TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

LAKE A - DETAIL PLAN
THREE OAKS PKWY EXT.

SHEET
59 of 132

P:\CAD\2017\17-372\3-Oaks-Pkwy\PILOT PHASE\LAKE B-Detail Plan_1/26/2023 12:08:47 PM Avalon Engineering, Inc.

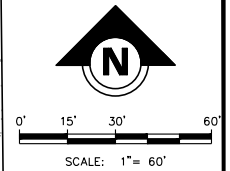


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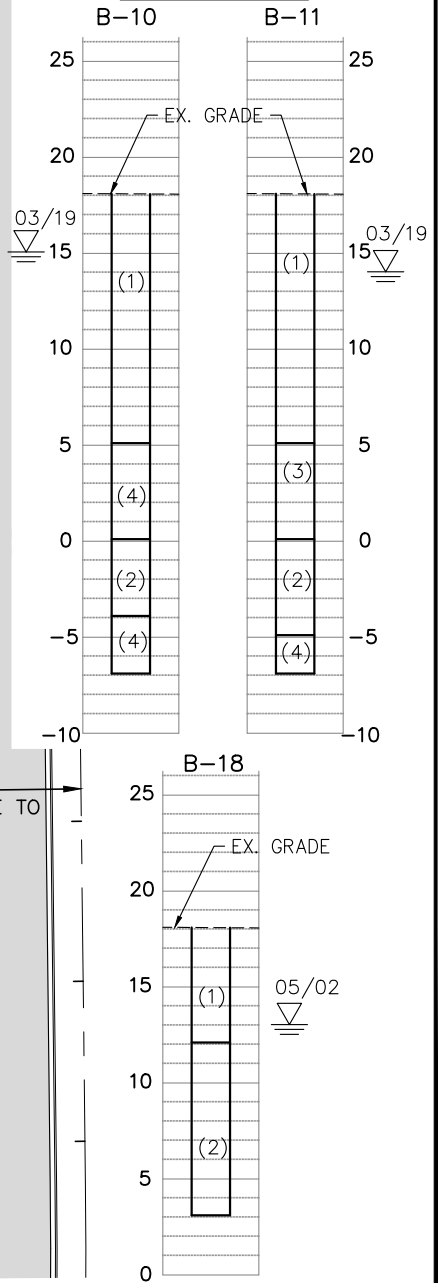
SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT

LEGEND

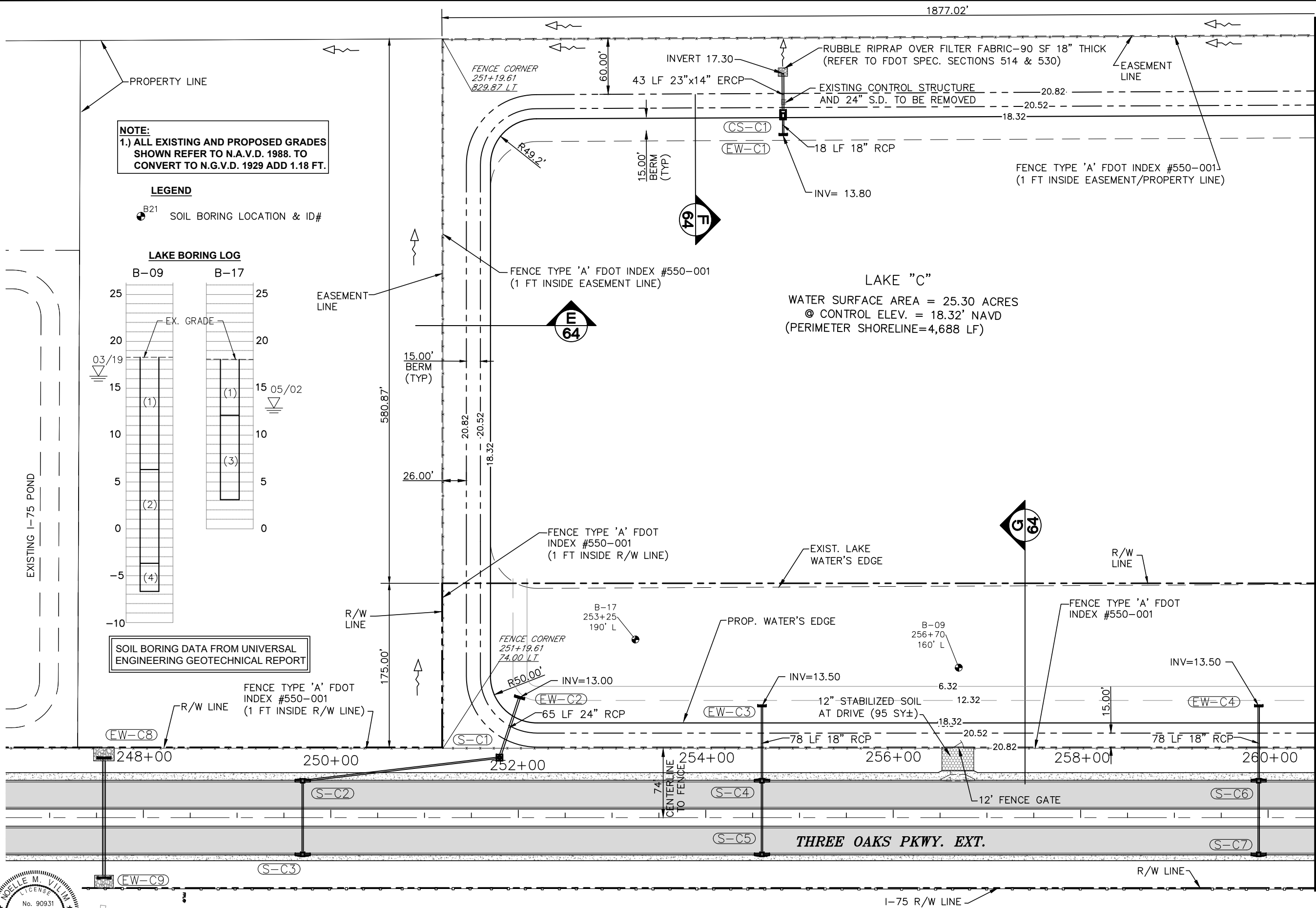
● B21 SOIL BORING LOCATION & ID#



LAKE BORING LOG



P:\CAD\2017\17-372\3-Oaks-Ph1\PILOT PHASE\WAKES.dwg, 61 LAKE C - SOUTH DETAIL PLAN 1/26/2023 12:08:52 PM Avalon Engineering Inc.

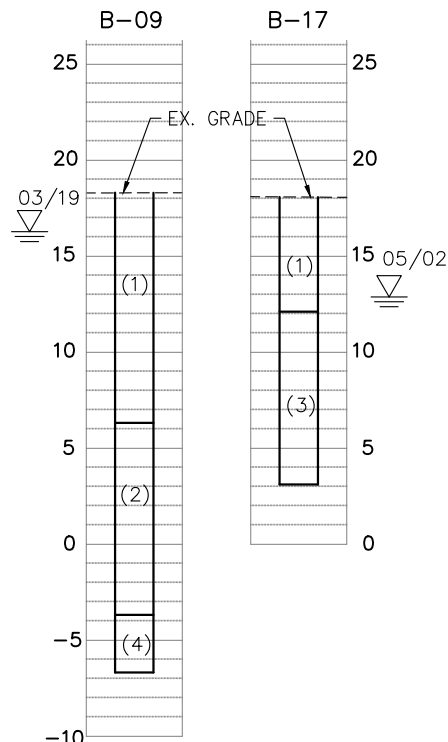


NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.

LEGEND

B21 SOIL BORING LOCATION & ID#

LAKE BORING LOG



SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT



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AVALON PROJECT: 17-372
PROJ. MGR. Noelle M. Vilim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

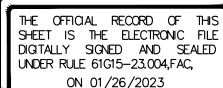
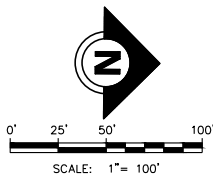
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

LAKE C - SOUTH DETAIL PLAN
THREE OAKS PKWY EXT.

SHEET
61 of 132

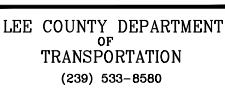


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--

AVALON ENGINEERING, INC.
 2503 DEL PRADO BLVD, SUITE 200
 CAPE CORAL, FLORIDA 33904
 FBPE#3128 (239) 573-2077

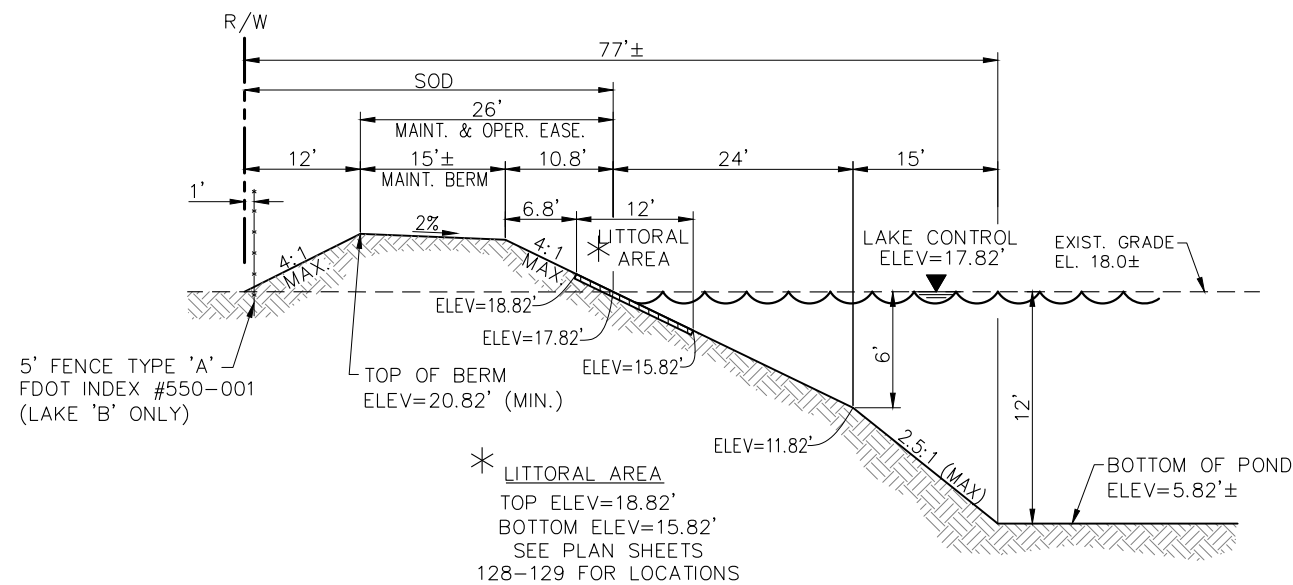


THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

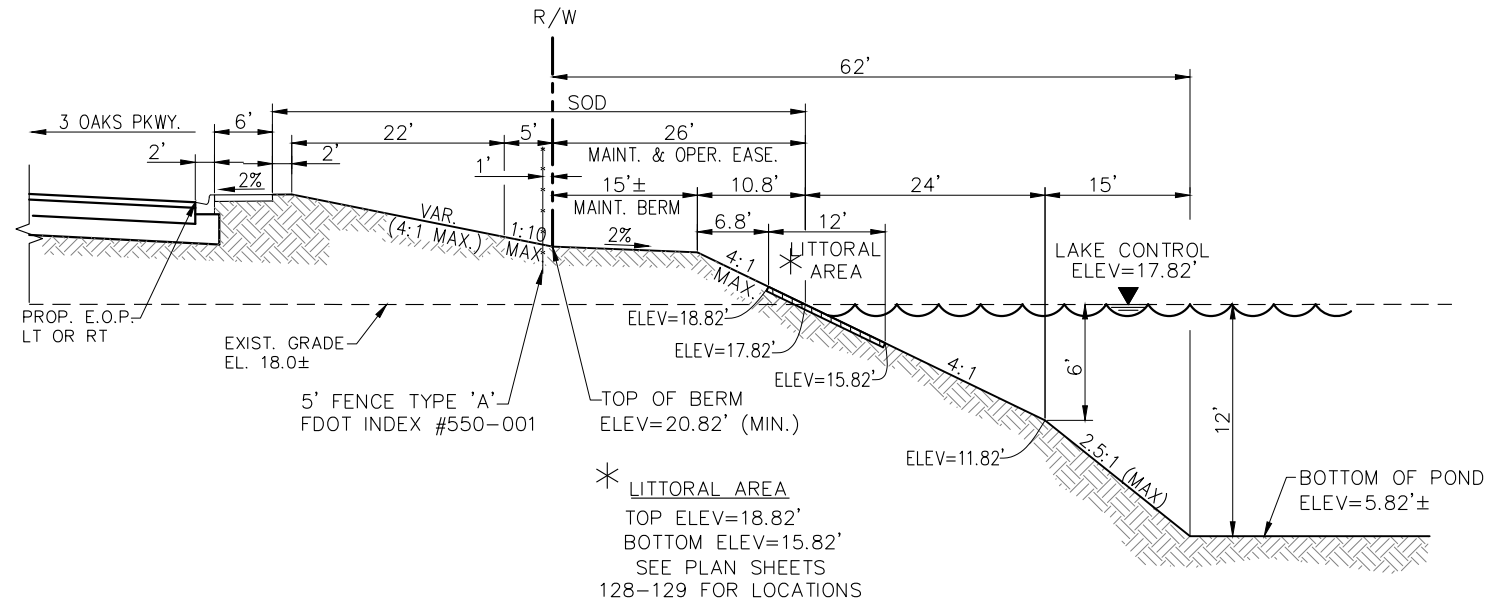
LAKE C - NORTH DETAIL PLAN
THREE OAKS PKWY EXT.

2 of 132

P:\CAD\2017\17-372\3-Oaks-Pkwy\PILOT PHASE\LAKE-SEC.dwg 63 LAKE SECTIONS 1/26/2023 12:09:03 PM Avalon Engineering Inc.

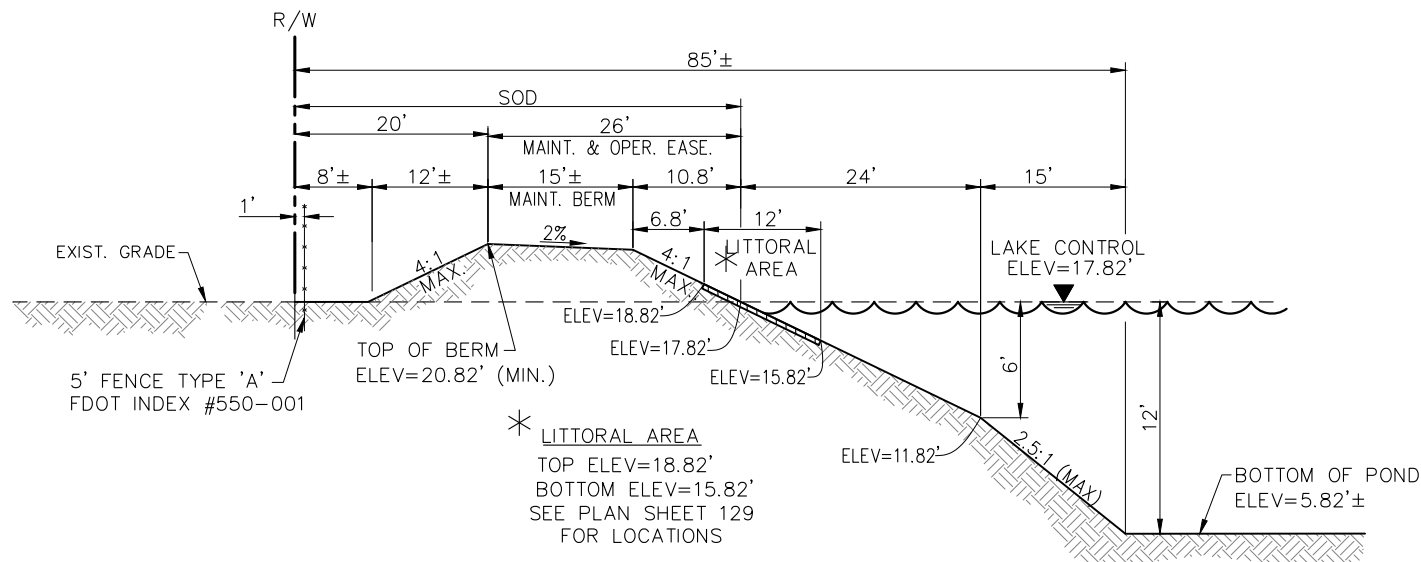


A
63
TYPICAL LAKE PERIMETER BERM DETAIL
(DETAIL PLAN SHEETS 59, 60, 128 & 129)
N.T.S.

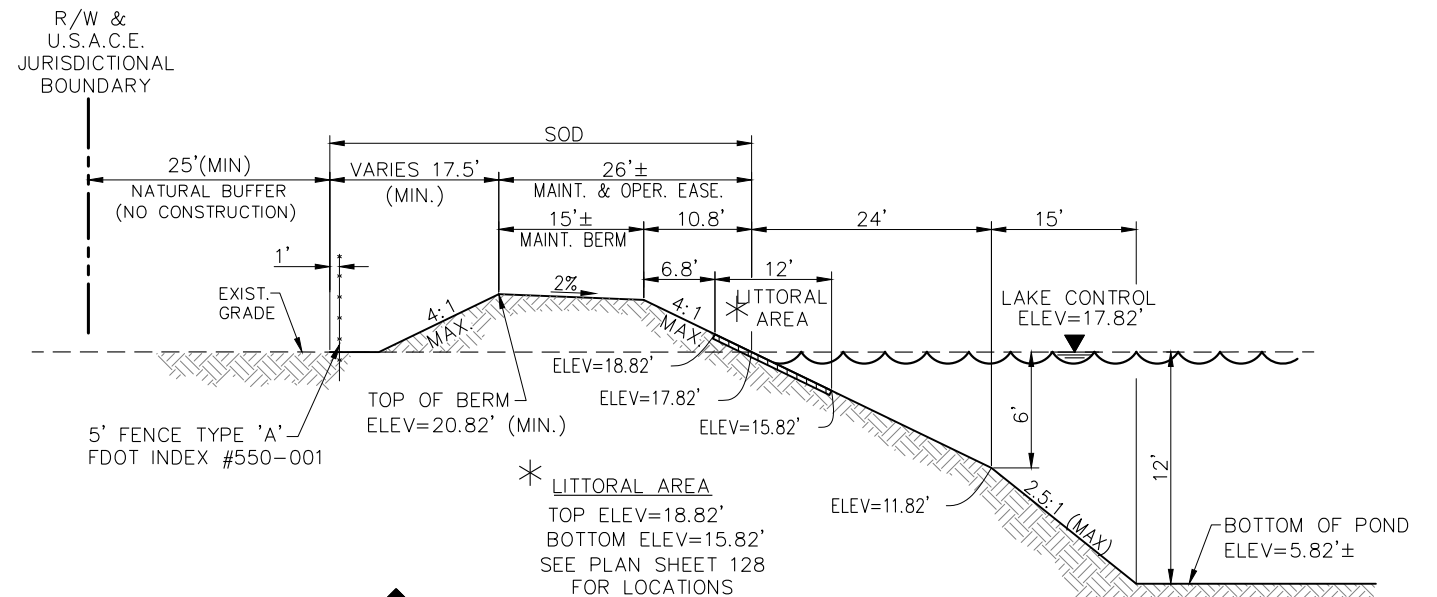


B
63
TYPICAL LAKE AND ROADWAY SIDE SLOPE DETAIL
(DETAIL PLAN SHEETS 59, 60, 128 & 129)
N.T.S.

* LITTORAL PLANTING: (1) ONE PLANT
PER LINEAR FOOT OF LAKE SHORELINE.
TO BE PLANTED IN LITTORAL PLANTING
AREAS SHOWN ON PLANS.

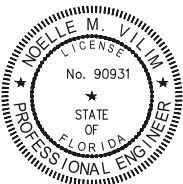


C
63
LAKE PERIMETER BERM DETAIL
(DETAIL PLAN SHEET 60 & 129)
N.T.S.



D
63
**LAKE 'A' PERIMETER BERM DETAIL
ADJACENT TO WETLAND**
(DETAIL PLAN SHEET 59 & 128)
N.T.S.

NOTE:
1.) ALL EXISTING AND PROPOSED GRADES
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LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

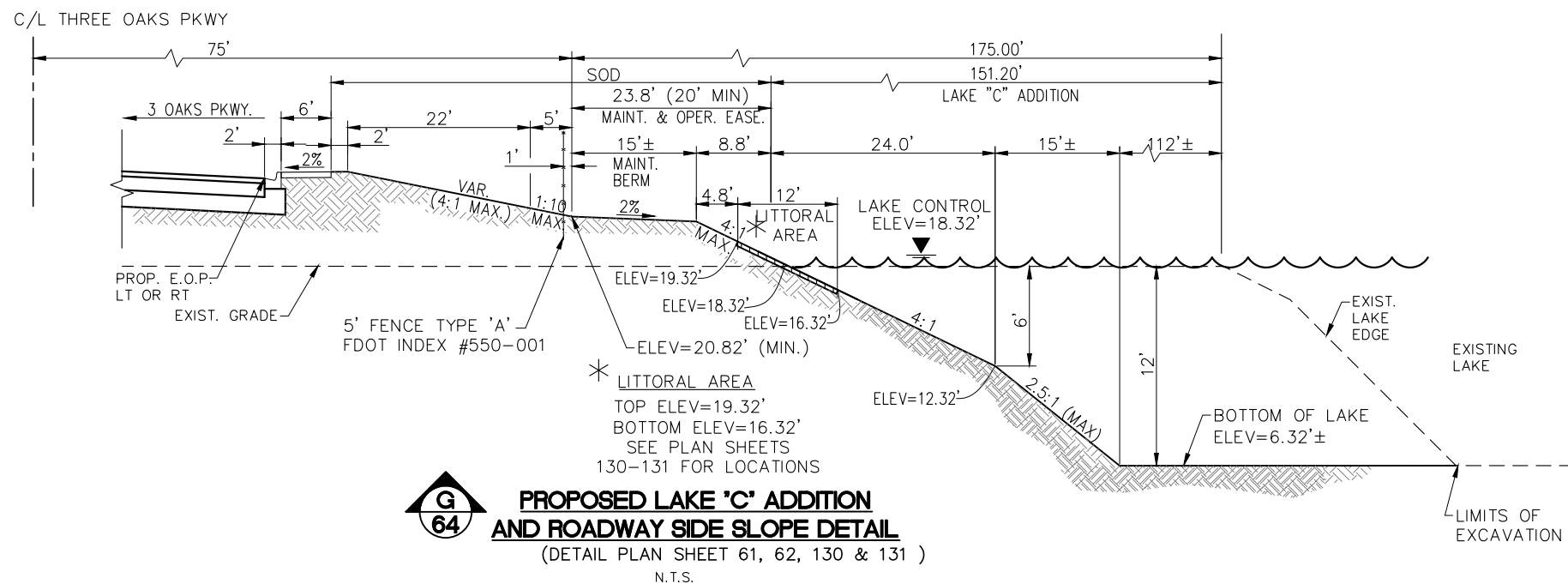
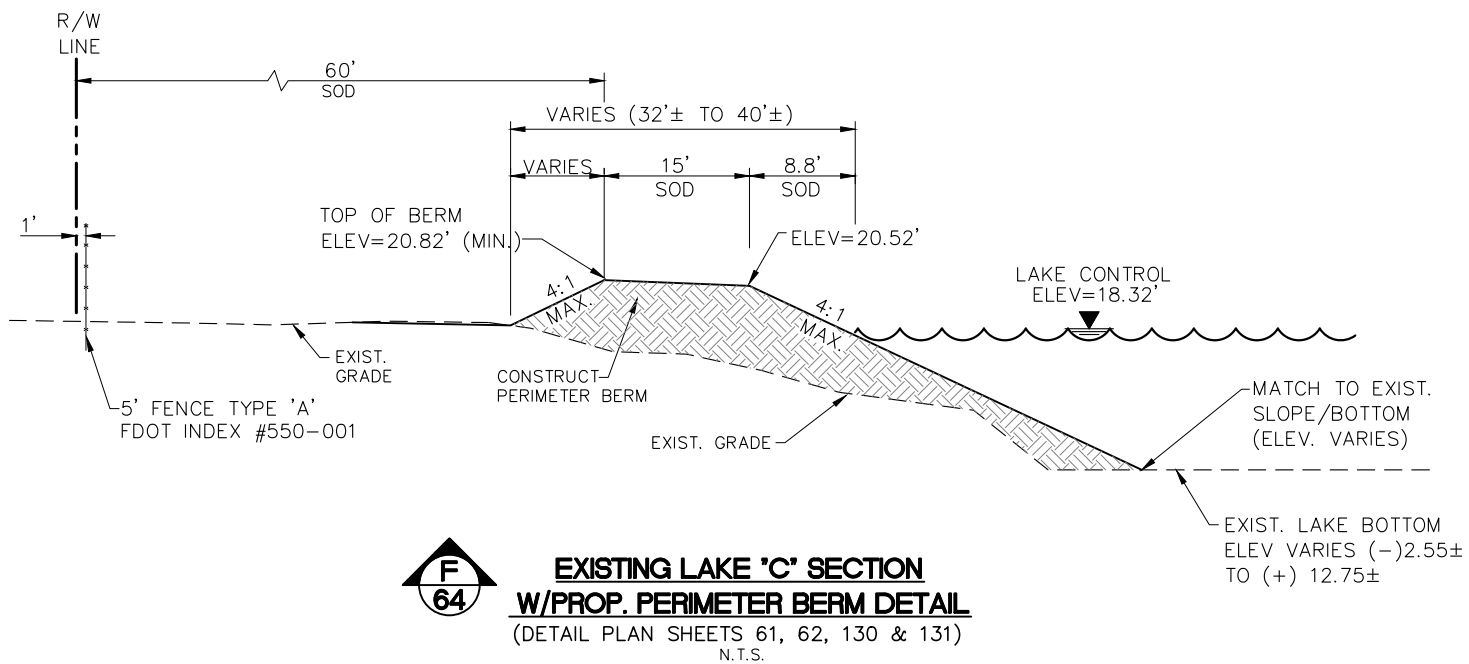
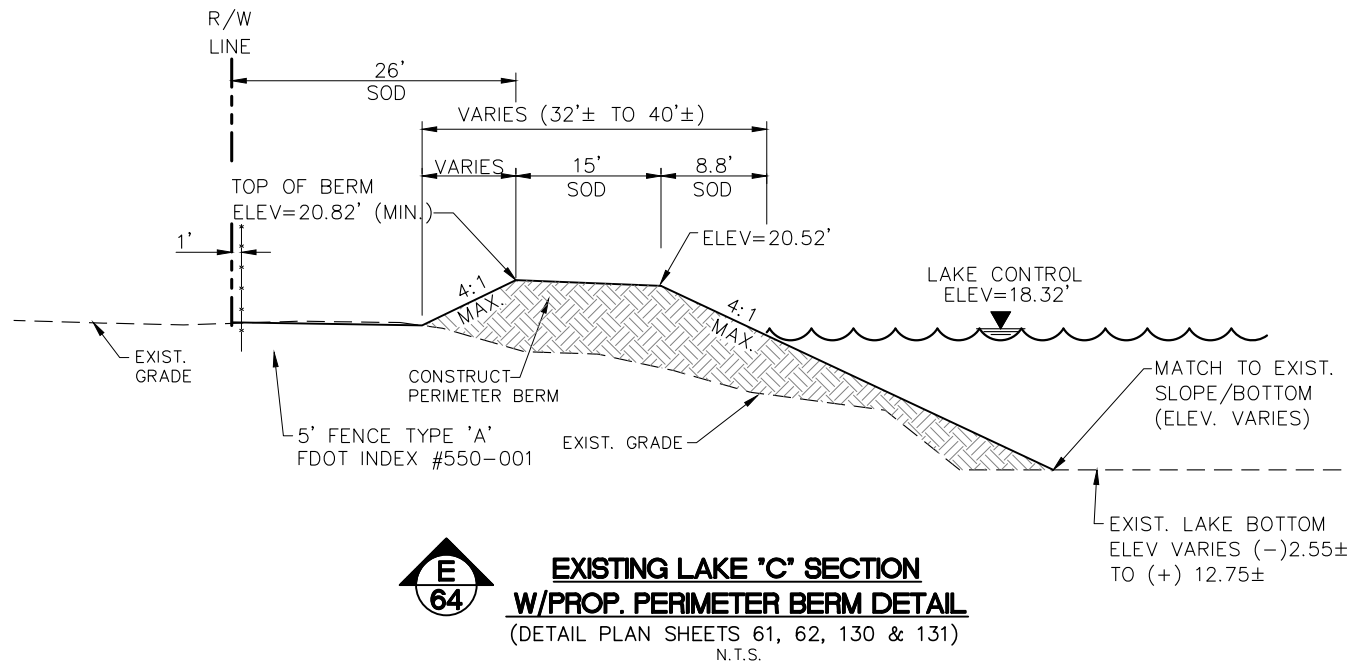
LEE COUNTY DEPARTMENT
OF
TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

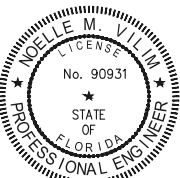
LAKE SECTIONS
THREE OAKS PKWY EXT.

SHEET
63 of 132

P:\CAD\2017\17-372\3-Oaks-Ph1\PILOT PHASE\LAKE-SEC.dwg 64 LAKE SECTIONS 1/26/2023 12:09:06 PM Avalon Engineering Inc.



NOTE:
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CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

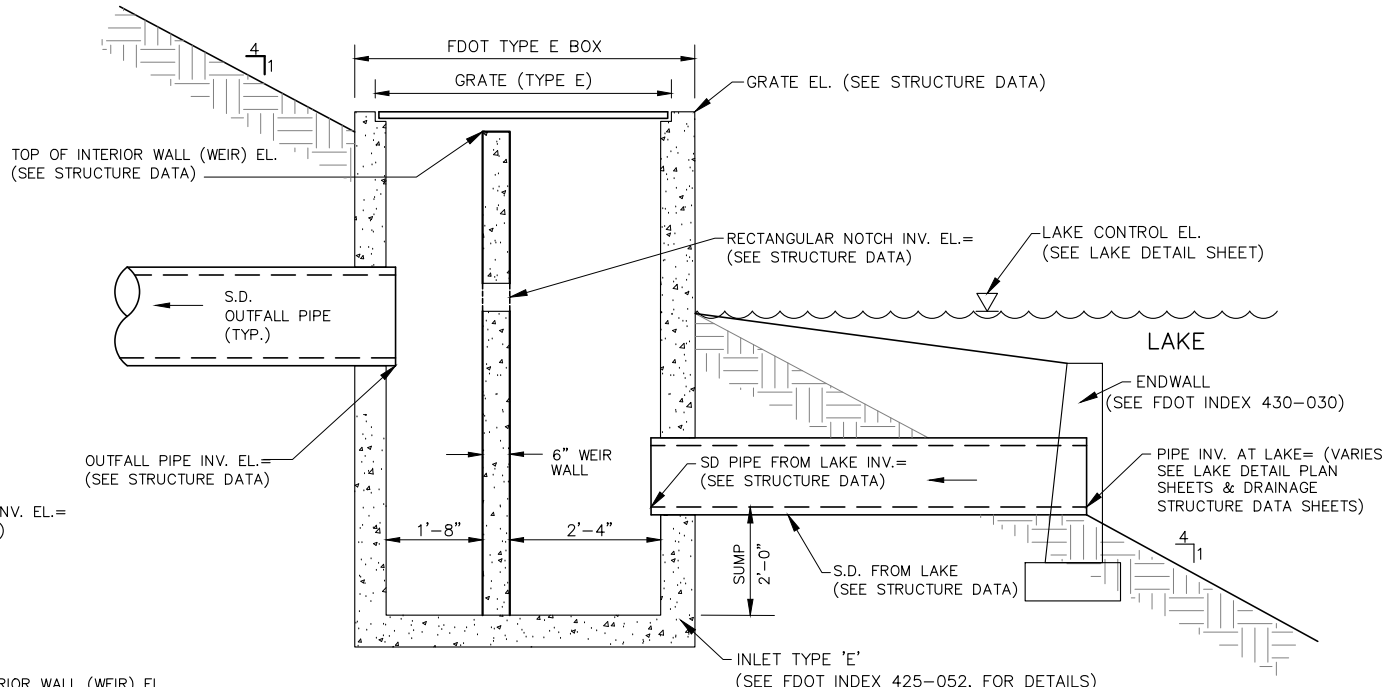
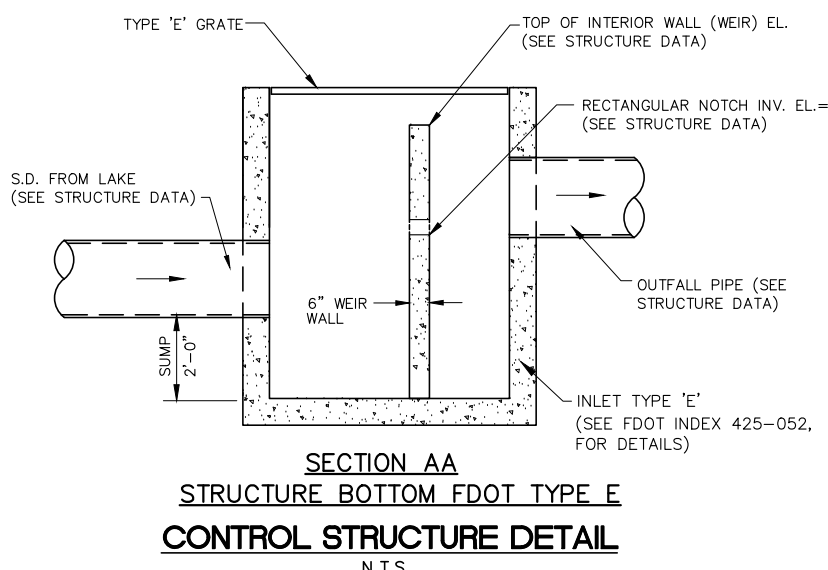
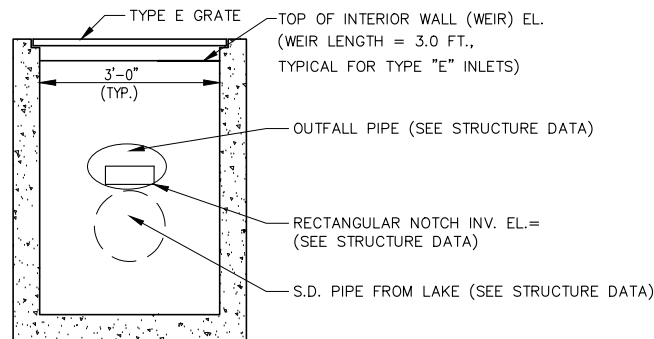
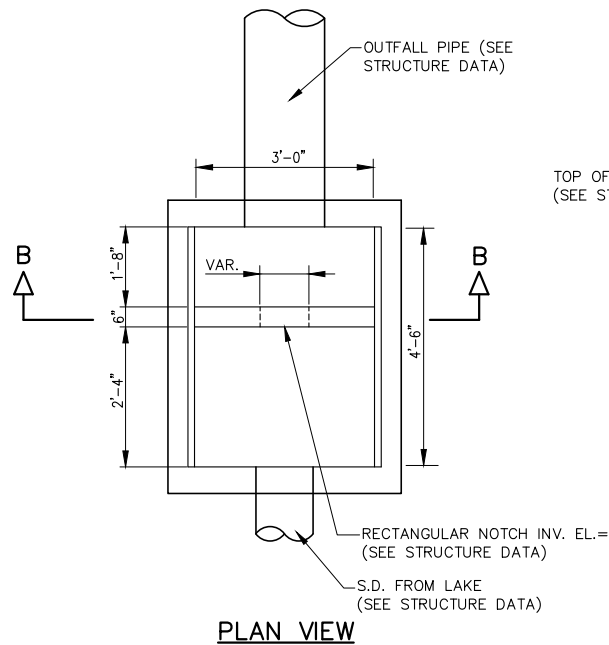
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THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

LAKE SECTIONS
THREE OAKS PKWY EXT.

SHEET
64 of 132

P:\CAD\2017\17-372\3-Oaks-Ph1\PILOT PHASE\INDT\15-DRAINAGE\MISC.dwg 65 CONTROL STRUCTURES AND 1/26/2023 12:09:13 PM Avalon Engineering Inc.



CONTROL STRUCTURES AT LAKES "A", "B", "C"

(LAKE DETAIL PLAN DETAIL SHEETS 59-62)

CS-A1

STA: 161+62.69 (374.34'R)

CONST. INLET TYPE "E" MODIFIED

FDOT INDEX #425-052

GRATE = 20.87

TOP OF WALL (WEIR) EL. = 20.37

RECT. NOTCH 0.25'H X 0.88'W

RECT. NOTCH INVERT EL. = 17.82

SUMP = 12.30

INV IN (N)=14.30 (PROP 18" RCP)

INV OUT (S)=14.80 (PROP 23"x14" ERCP)

CS-B1

STA: 221+38.68 (-759.85'L)

CONST. INLET TYPE "E" MODIFIED

FDOT INDEX #425-052

GRATE = 21.07

TOP OF WALL (WEIR) EL. = 20.57

RECT. NOTCH 0.25'H X 0.80'W

RECT. NOTCH INVERT EL. = 17.82

SUMP = 12.30

INV IN (N)=14.30 (18" RCP)

INV OUT (S)=17.55 (PROP 23"x14" ERCP)

CS-C1

STA: 254+82.75 (724.64'L)

CONST. INLET TYPE "E" MODIFIED

FDOT INDEX #425-052

GRATE = 20.57

TOP OF WALL (WEIR) EL. = 19.57

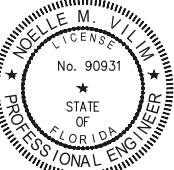
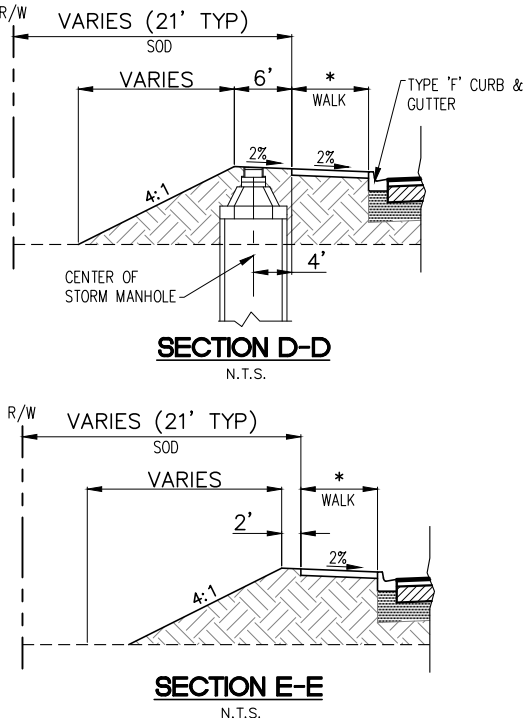
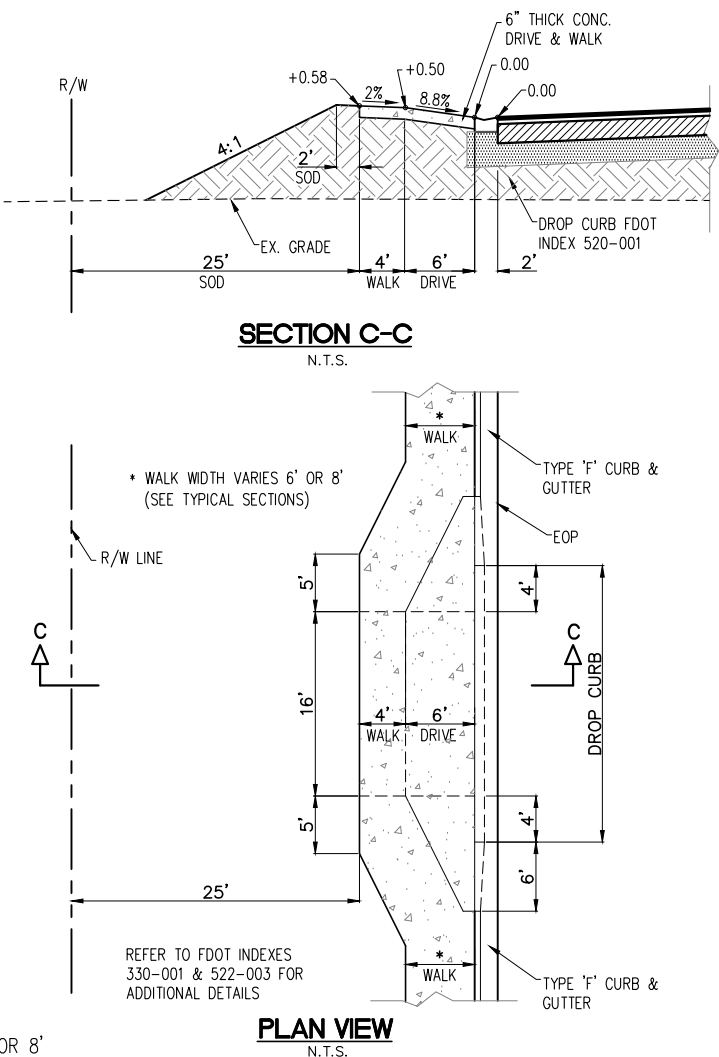
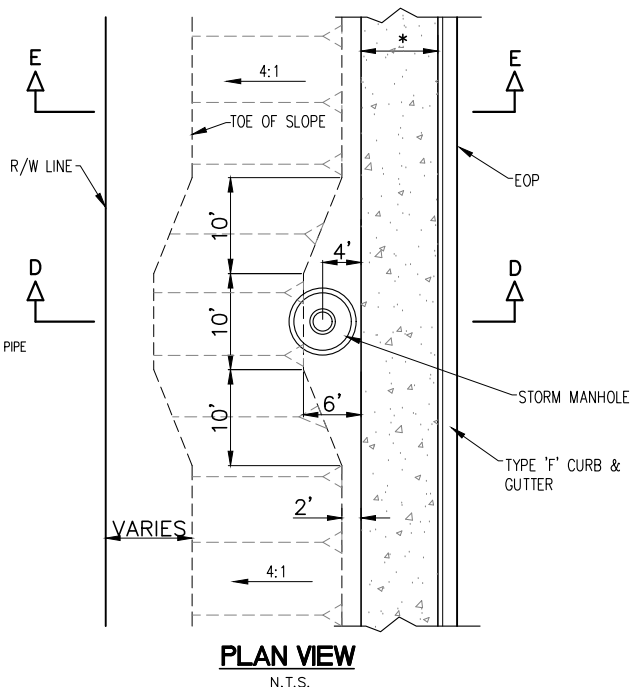
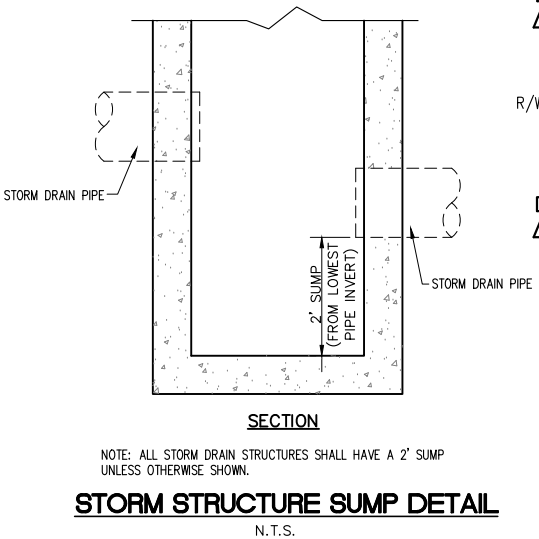
RECT. NOTCH 0.42'H X 1.25'W

RECT. NOTCH INVERT EL. = 18.32

SUMP = 12.30

INV IN (E)=14.30 (PROP 18" RCP)

INV OUT (W)=17.75 (PROP 23"x14" ERCP)



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DATE	BY	REVISION DESCRIPTION
01/26/23	NV	ADDENDUM #1

BID SET PLANS

AVALON PROJECT: 17-372

PROJ. MGR. Noelle M. Vilim, P.E.

LEE COUNTY DOT PROJECT: CN160642/ANB

LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.

2503 DEL PRADO BLVD, SUITE 200

CAPE CORAL, FLORIDA 33904

FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION

(239) 533-8580

THREE OAKS PARKWAY EXTENSION

PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50

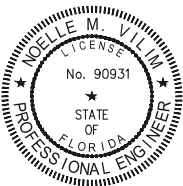
LEE COUNTY, FLORIDA

CONTROL STRUCTURES AND MISC. DETAILS

SHEET 65 of 132



P:\CAD\2017\17-372\3-Oaks-Plan\Plot PHASE\THREE OAKS XSECT A.dwg, 67 ROADWAY CROSS SECTIONS, 1/26/2023 12:09:59 PM, Avalon Engineering, Inc.



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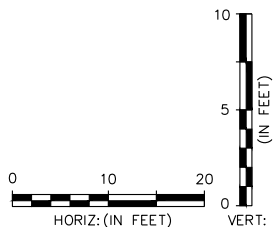
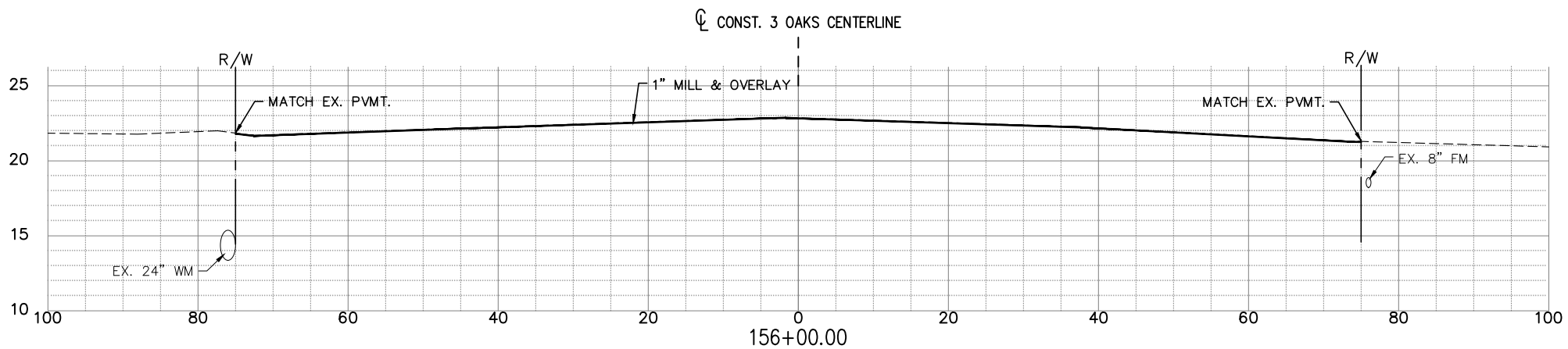
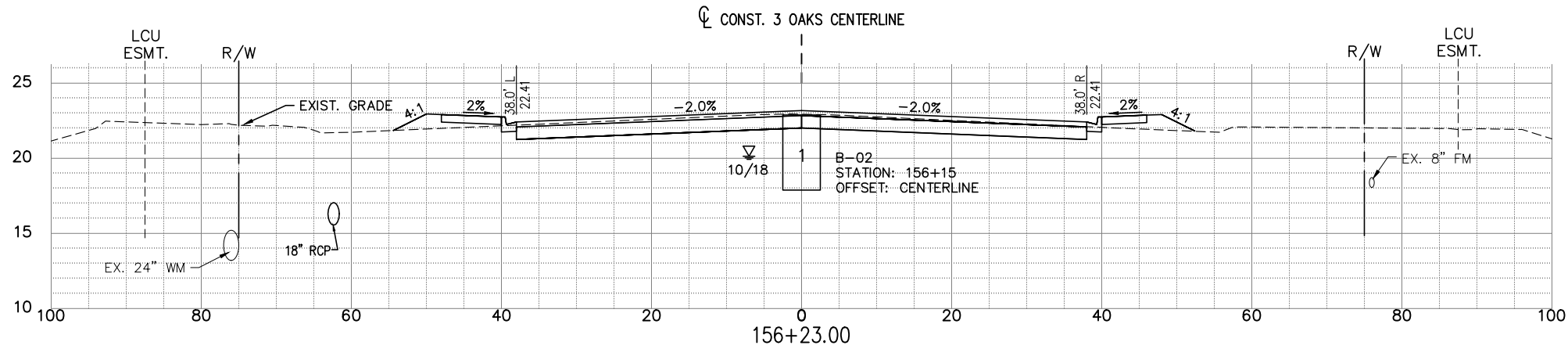
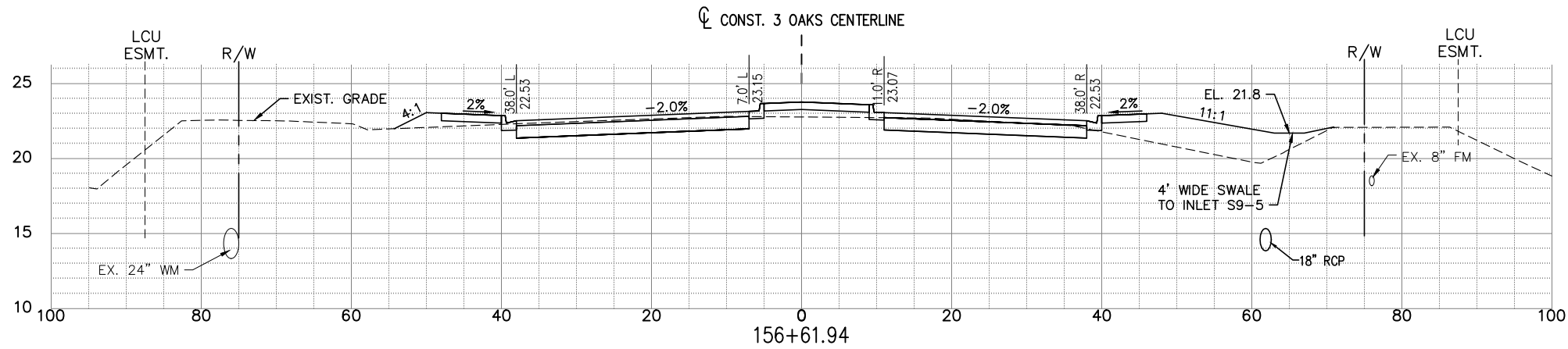
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
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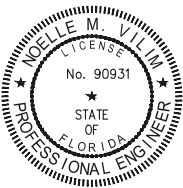
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.

SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT



EXC		EMB	
A	V	A	V
53	91	36	35
73	0	12	0

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT PHASE\THREE OAKS XSECT A.dwg 68 ROADWAY CROSS SECTIONS 1/26/2023 12:10:24 PM Avalon Engineering Inc.



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PROJ. MGR. Noelle M. Vilim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

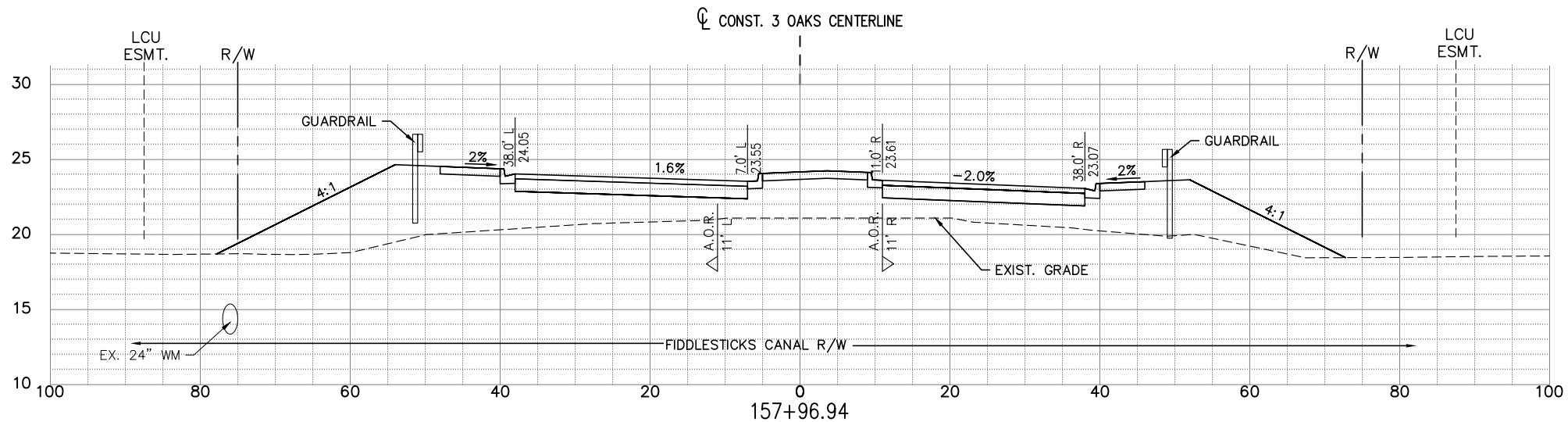
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

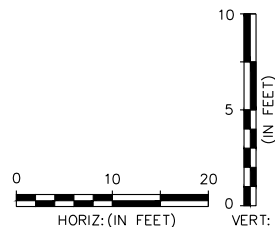
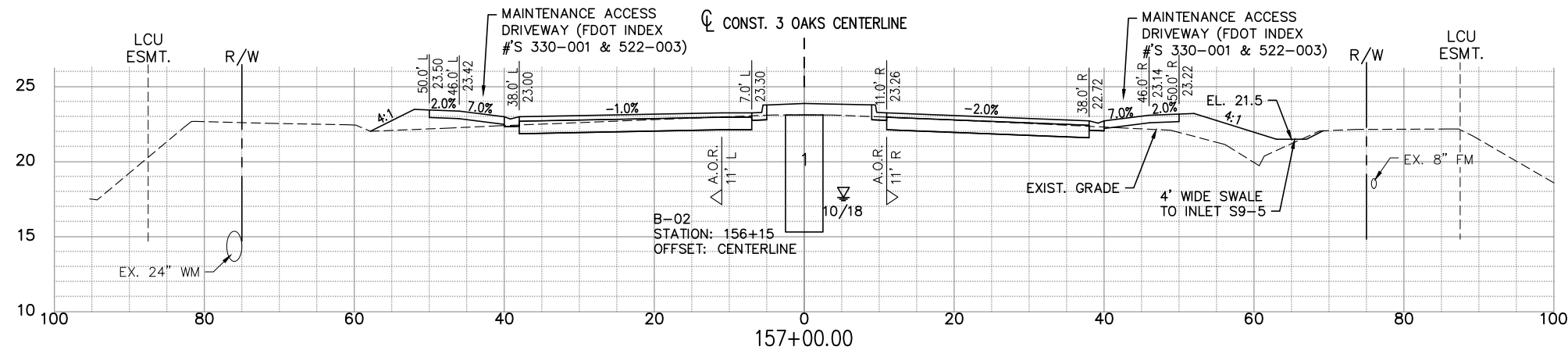
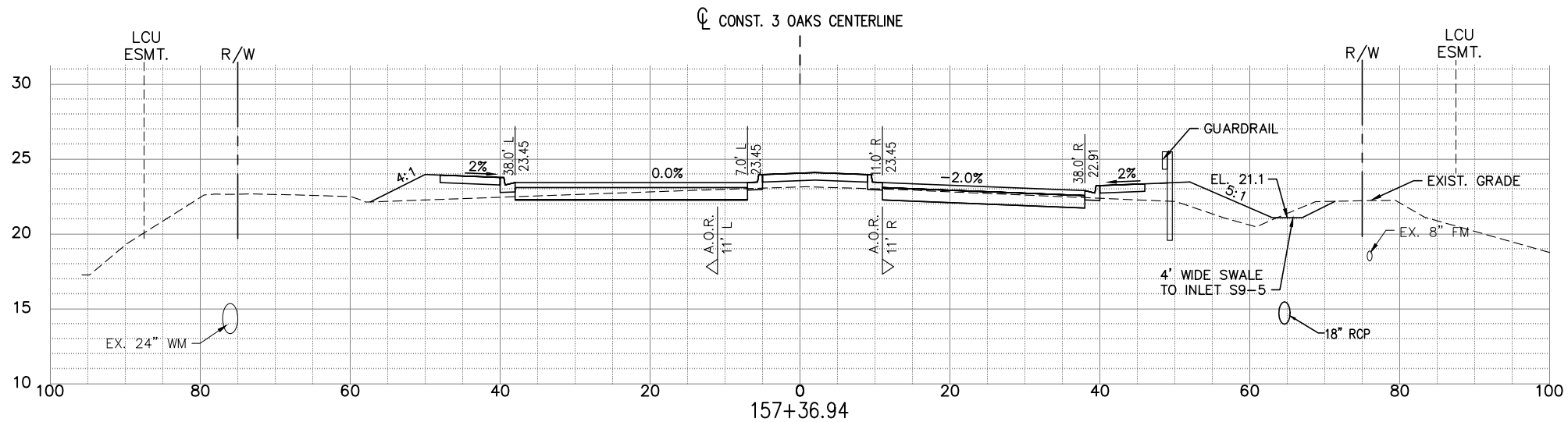
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
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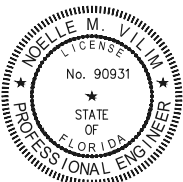
NOTE:
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SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT



EXC		EMB	
A	V	A	V
0	258	356	566
35	219	41	125
48	162	27	79

P:\CAD\2017\17-372\3-Oaks-Ph1\PILOT PHASE\THREE OAKS XSECT A.dwg 69 ROADWAY CROSS SECTIONS 1/26/2023 12:10:49 PM Avalon Engineering Inc.



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(239) 533-8580

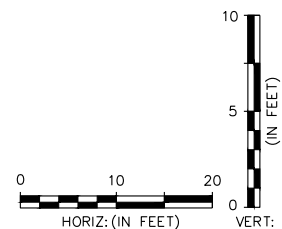
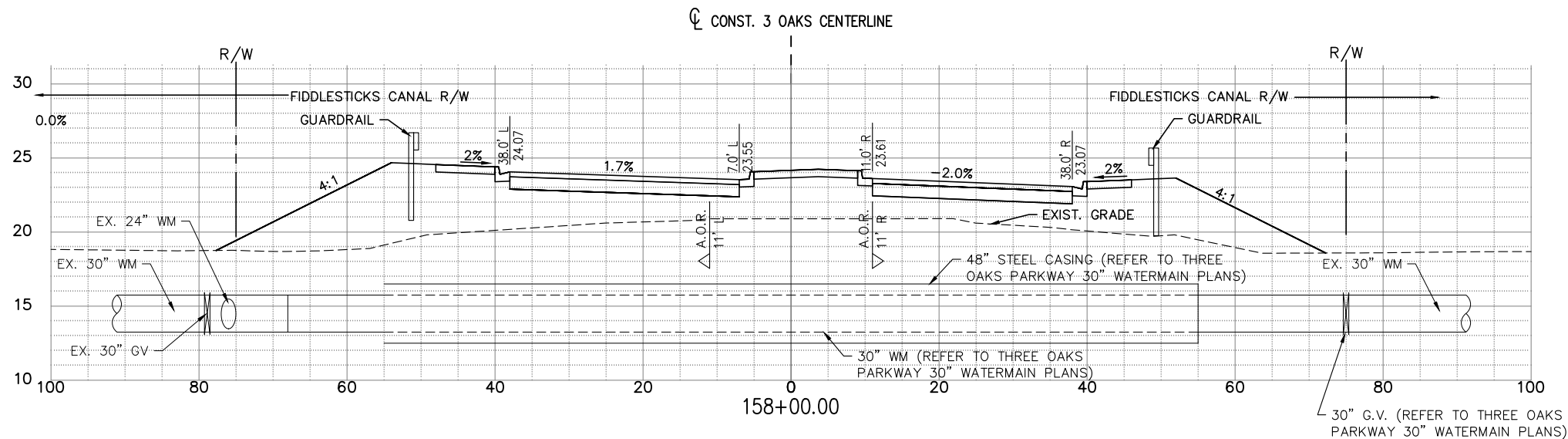
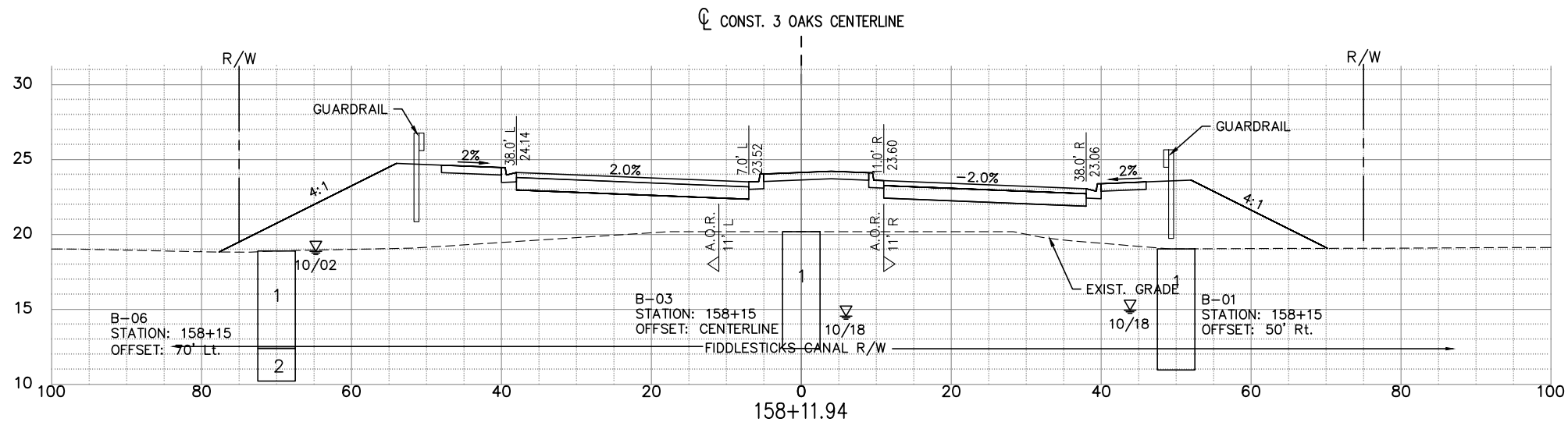
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
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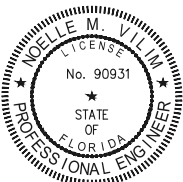
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SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT



EXC		EMB	
A	V	A	V
0	258	444	789
0	258	380	607

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT PHASE\THREE OAKS XSECT A.dwg 70 ROADWAY CROSS SECTIONS 1/26/2023 12:11:09 PM Avalon Engineering Inc.



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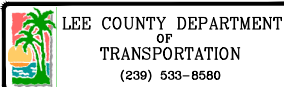
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LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077



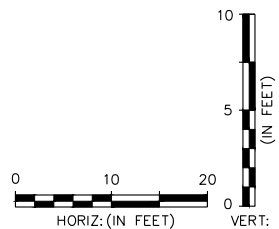
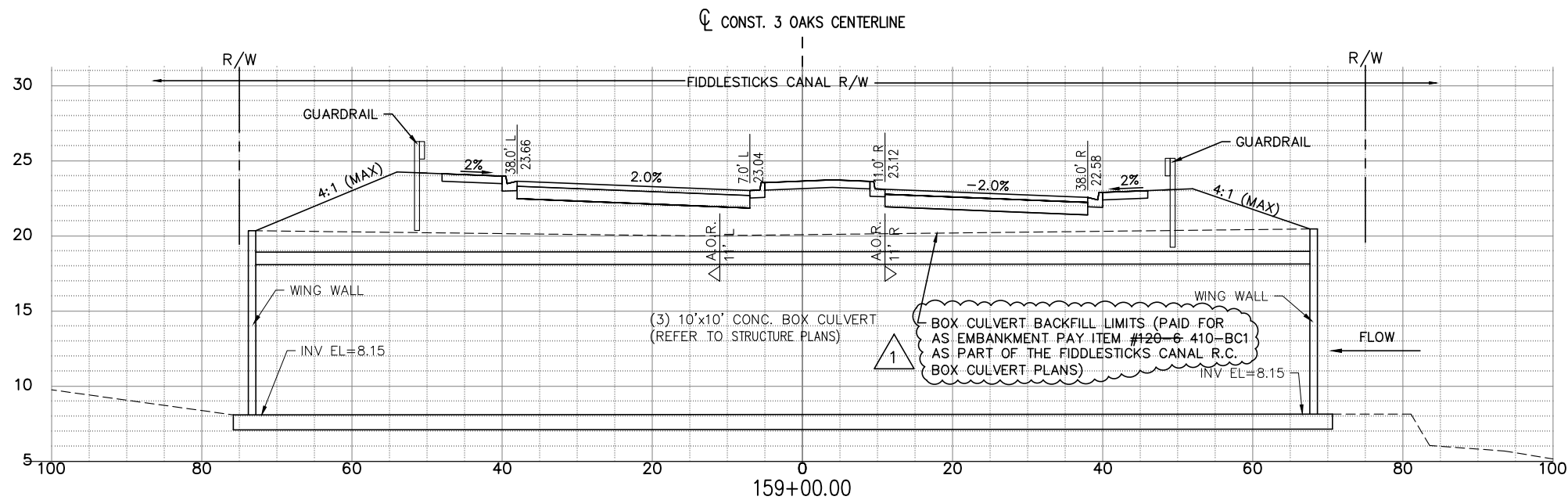
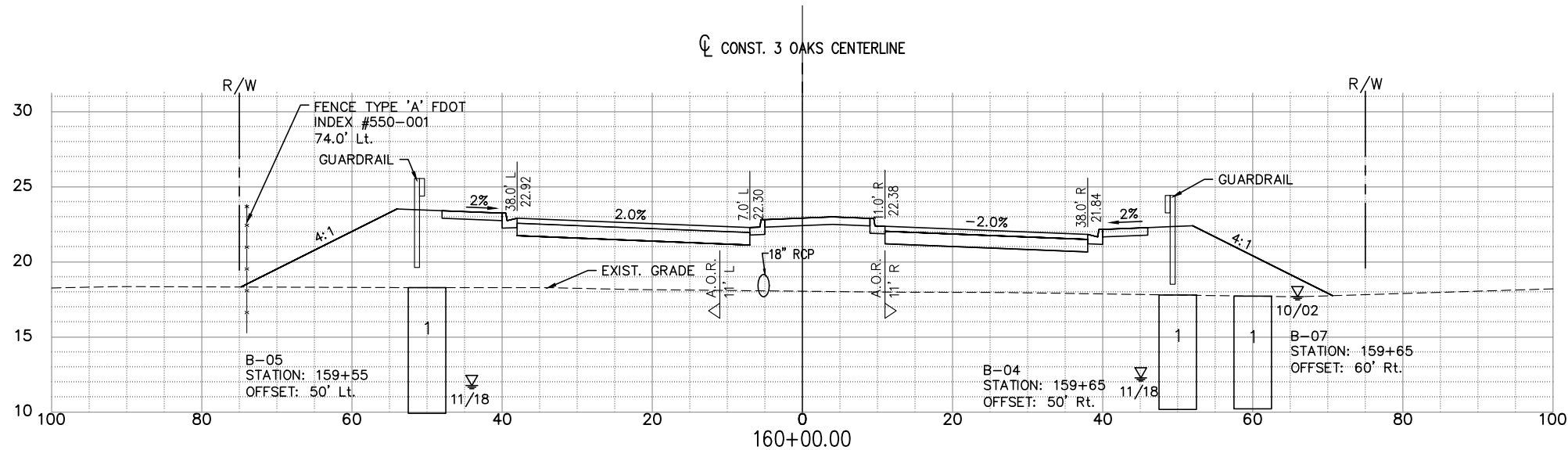
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
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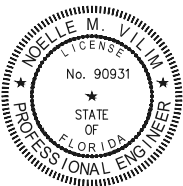
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SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT



EXC		EMB	
A	V	A	V
0	258	488	3538
0	258	317	2039

P:\CAD\2017\17-372\3-Oaks-Ph1\PILOT PHASE\THREE OAKS.XSCT A.dwg 71 ROADWAY CROSS SECTIONS 1/26/2023 12:11:29 PM Avalon Engineering Inc.



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FBPE#3128 (239) 573-2077

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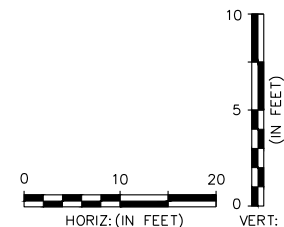
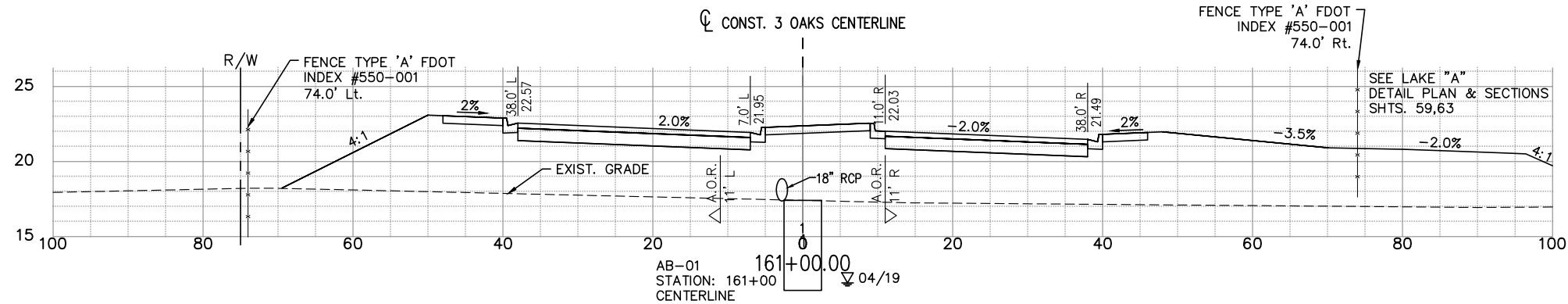
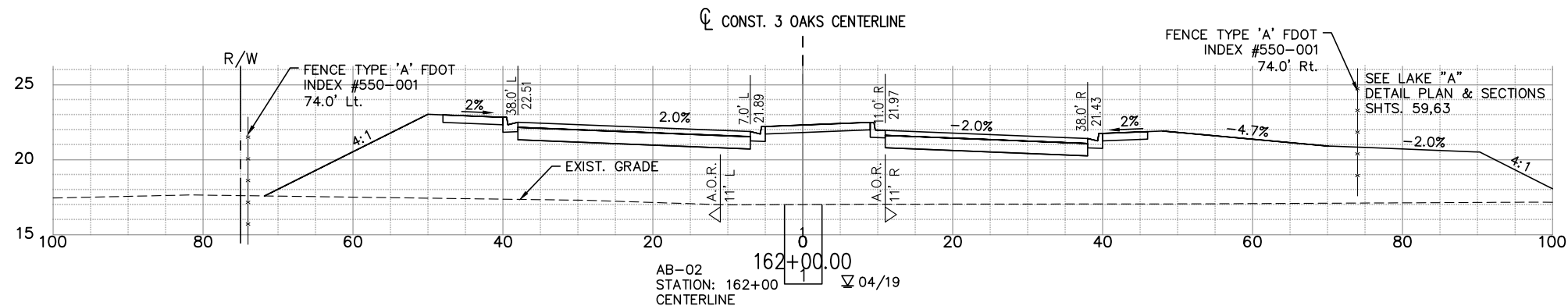
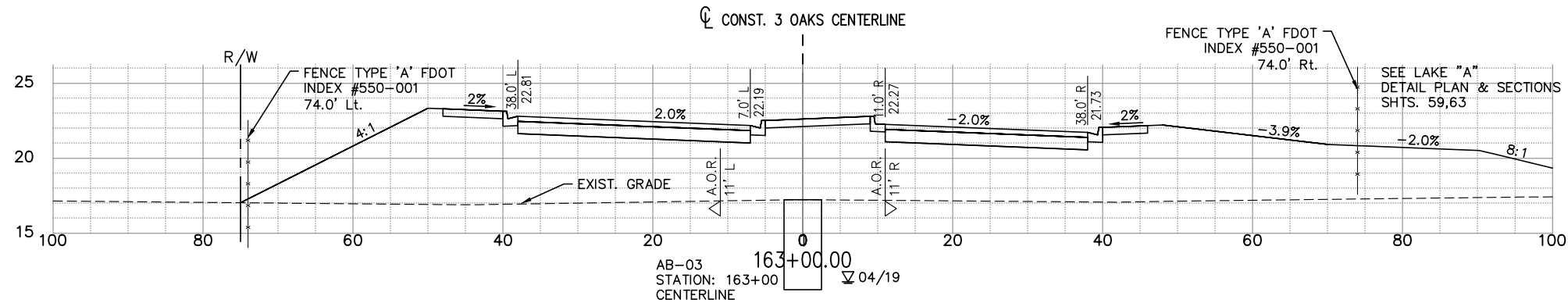
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
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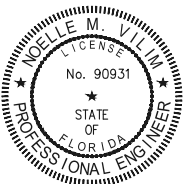
NOTE:
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SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT



EXC		EMB	
A	V	A	V
0	258	611	9413
0	258	559	7249
0	258	478	5331

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT PHASETHREE OAKS XSECT A.dwg 72 ROADWAY CROSS SECTIONS 1/26/2023 12:11:49 PM Avalon Engineering Inc.



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LDOT PROJ. MGR. VINCENT MILLER

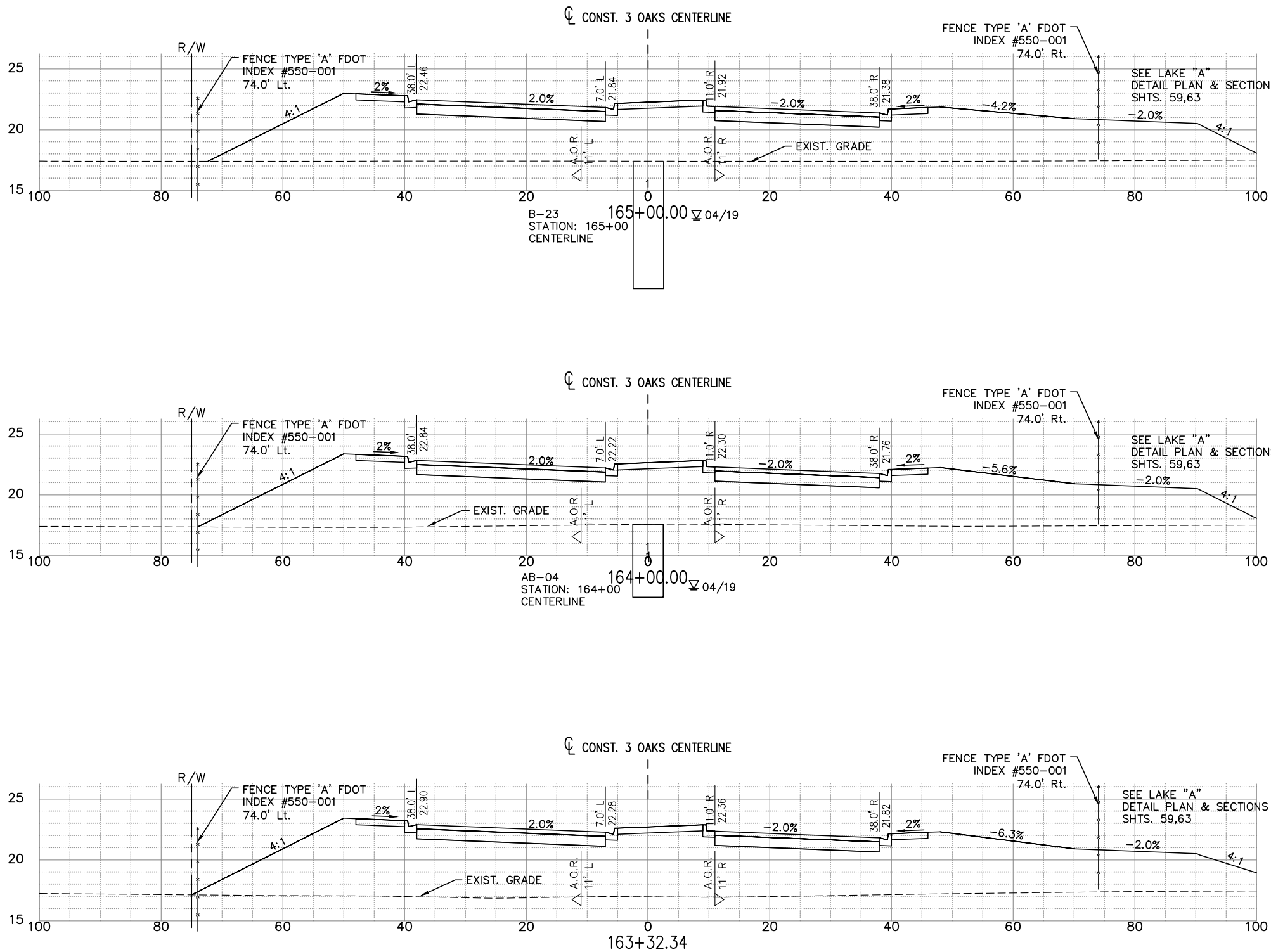
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

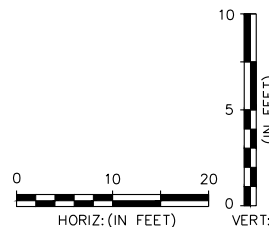
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
72 of 132



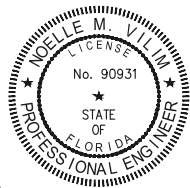
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SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT



EXC		EMB	
A	V	A	V
0	258	519	13657
0	258	564	11652
0	258	629	10157

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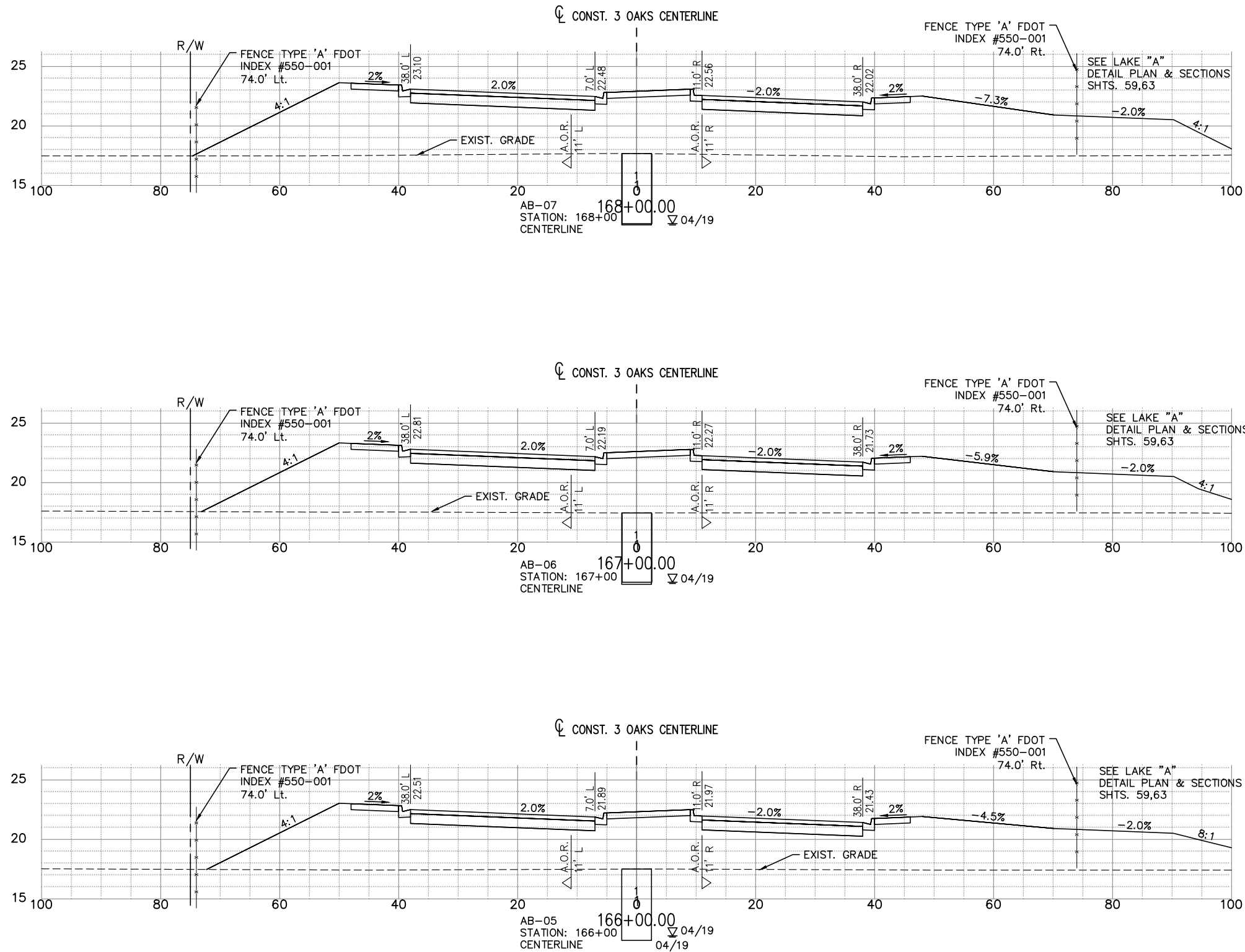
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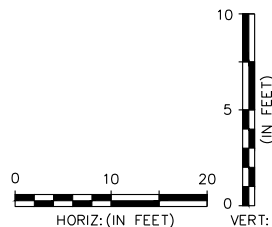
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
73 of 132



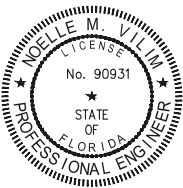
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SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT



EXC		EMB	
A	V	A	V
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0	258	555	17569
0	258	520	15579

P:\CAD\2017\17-372\3-Oaks-Ph1\11PLOT PHASE\THREE OAKS XSECT A.dwg 74 ROADWAY CROSS SECTIONS 1/26/2023 12:12:29 PM Avalon Engineering Inc.



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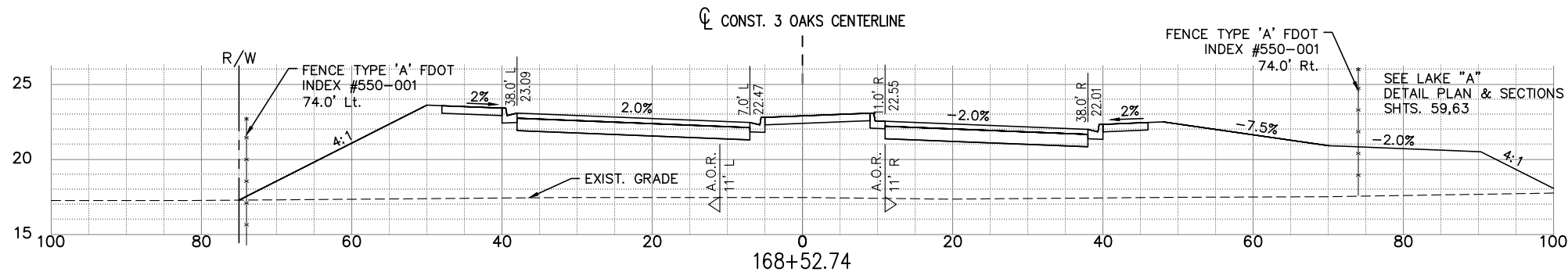
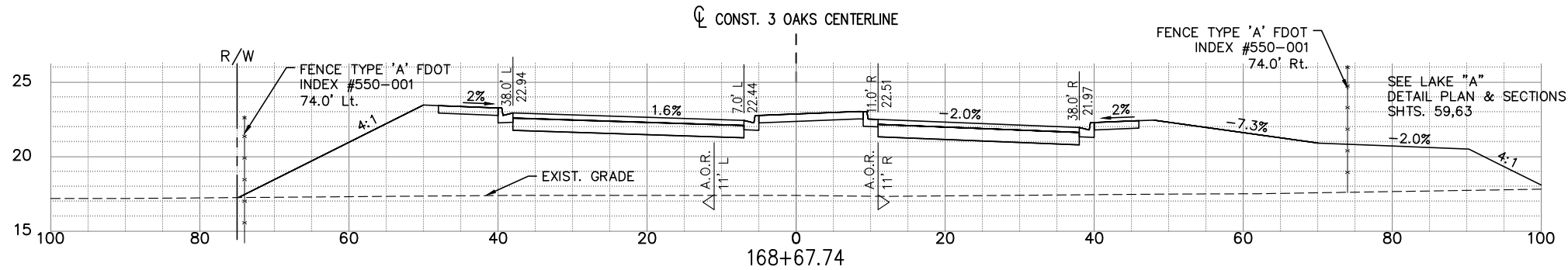
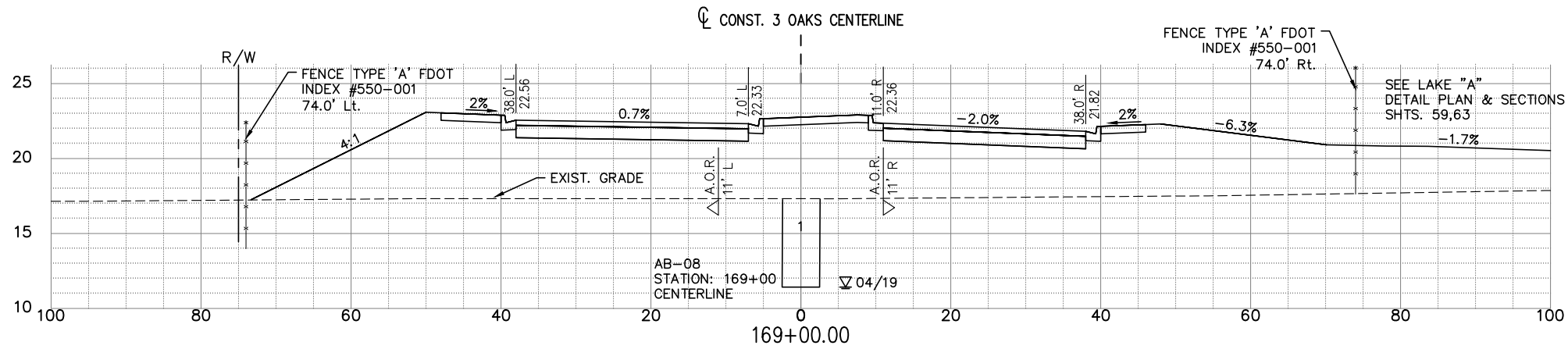
AVALON ENGINEERING, INC.
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PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

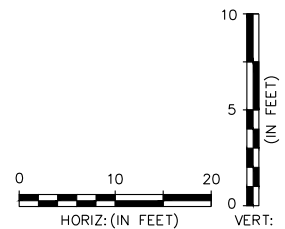
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
74 of 132



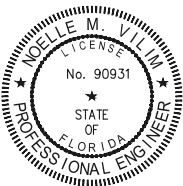
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SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT



EXC		EMB	
A	V	A	V
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0	258	593	21175
0	258	600	20844

P:\CAD\2017\17-372\3-Oaks-Ph1\PILOT PHASE\THREE OAKS XSECT A.dwg 75 ROADWAY CROSS SECTIONS 1/26/2023 12:12:49 PM Avalon Engineering Inc.



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LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

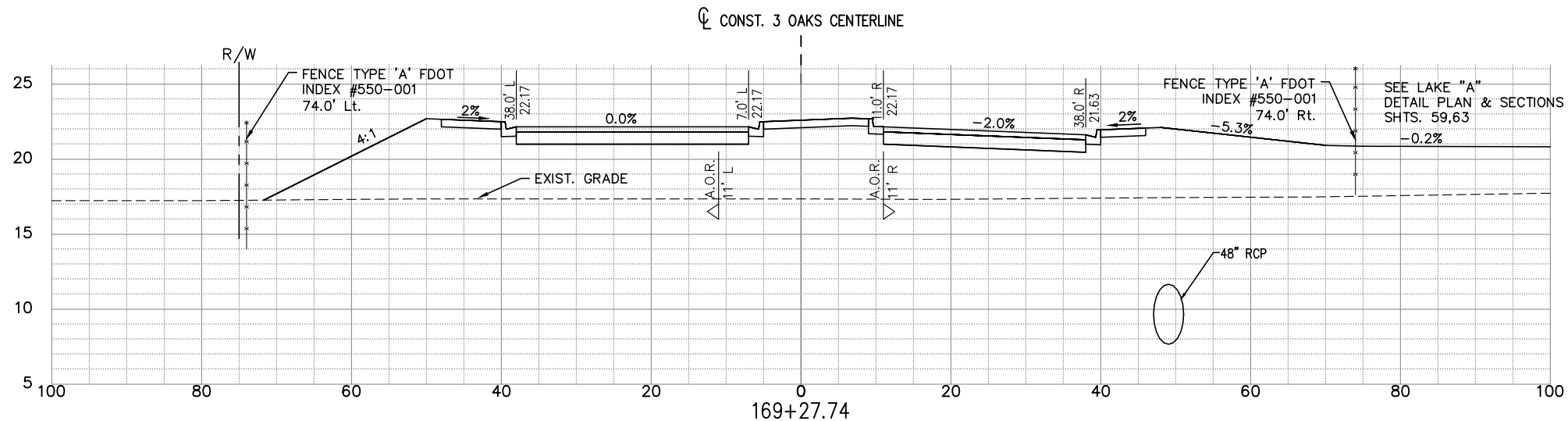
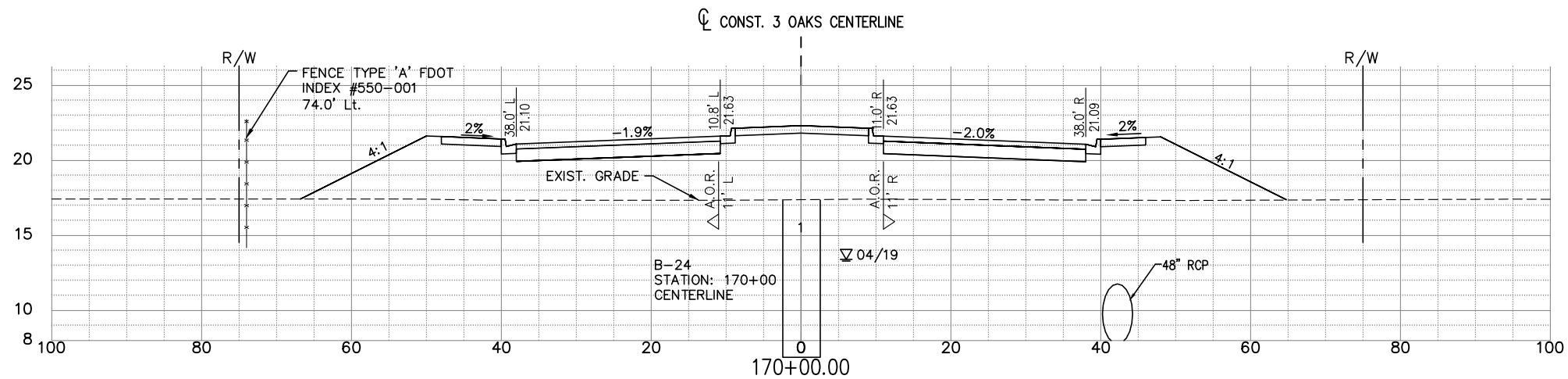
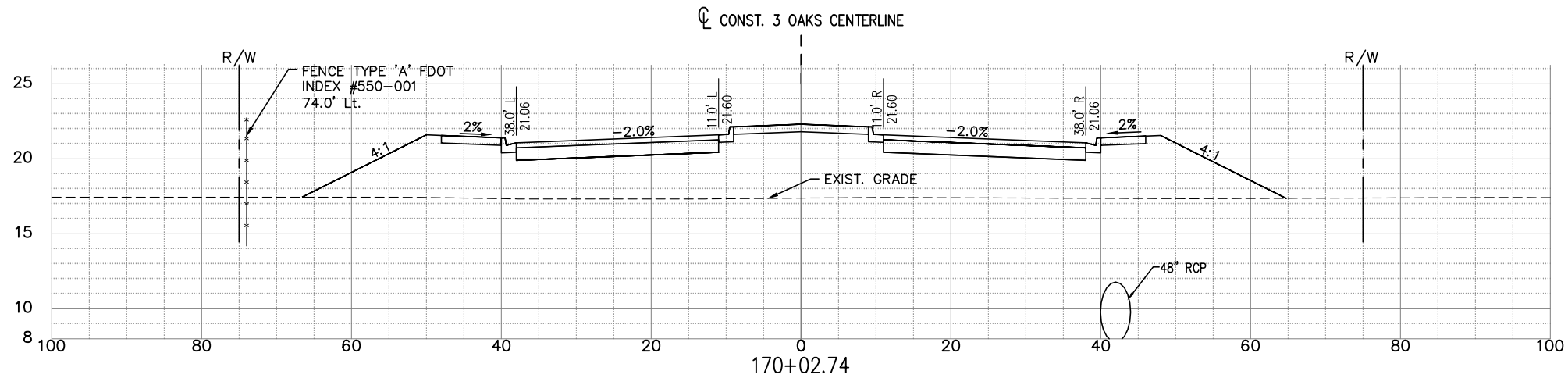
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

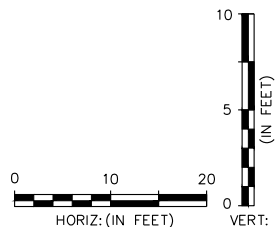
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
75 of 132



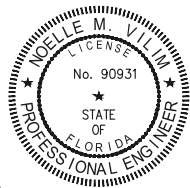
NOTE:
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SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT



EXC		EMB	
A	V	A	V
0	258	394	23719
0	258	397	23679
0	258	534	22433

P:\CAD\2017\17-372\3-Oaks-Ph1\PILOT PHASE\THREE OAKS XSECT A.dwg 76 ROADWAY CROSS SECTIONS 1/26/2023 12:13:09 PM Avalon Engineering Inc.



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DATE	BY	REVISION DESCRIPTION
01/26/23	NV	ADDENDUM #1

BID SET PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Noelle M. Vilim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

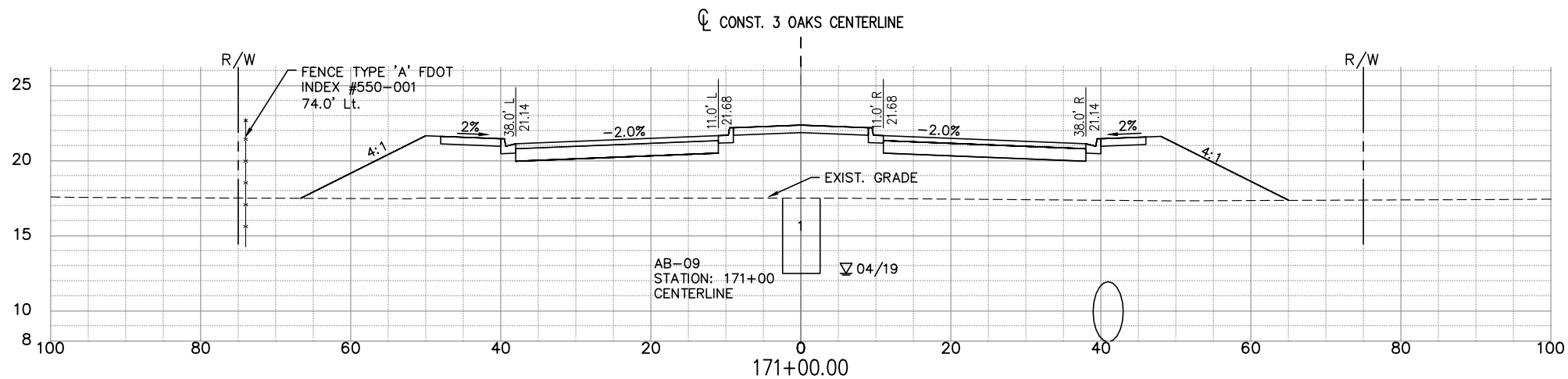
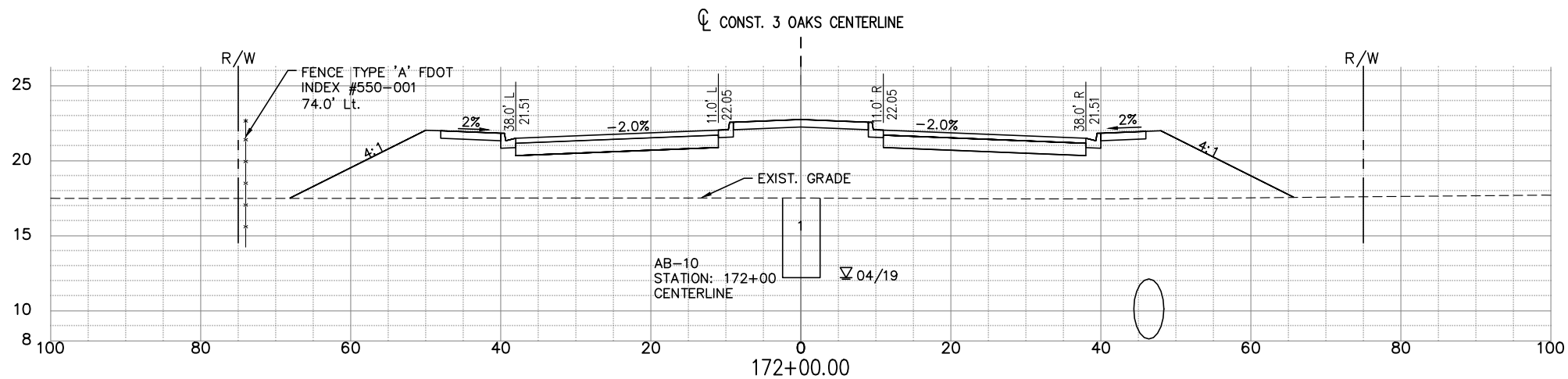
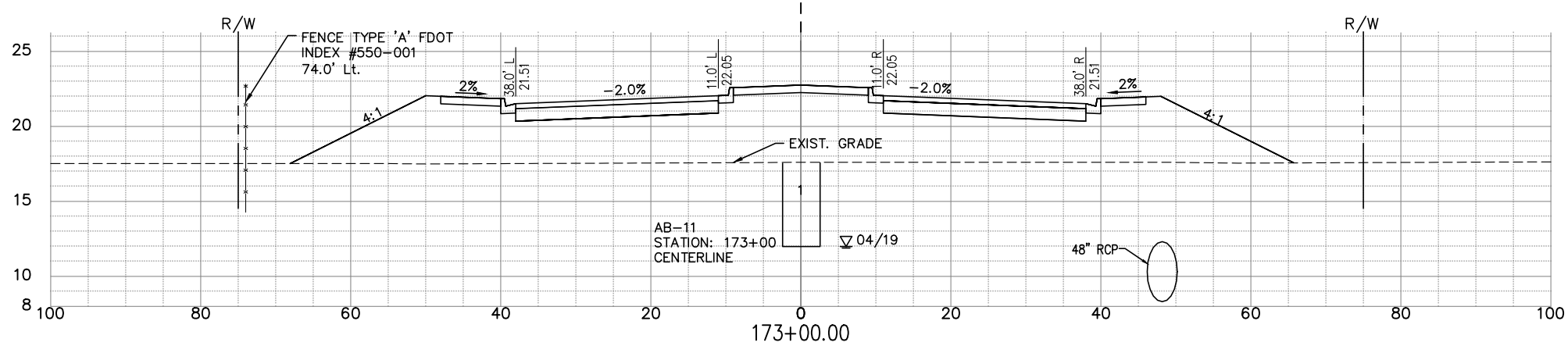
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

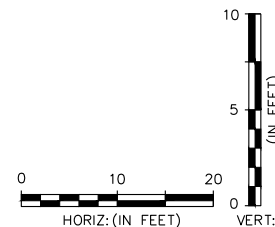
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
76 of 132



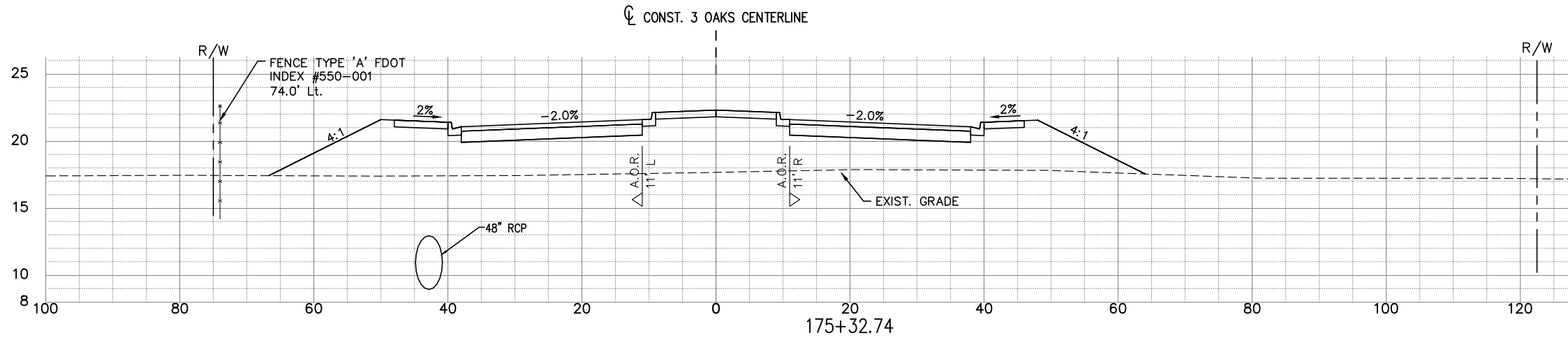
NOTE:
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SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT



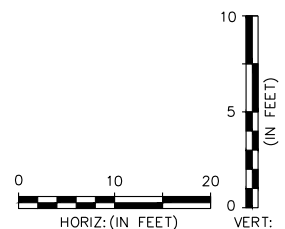
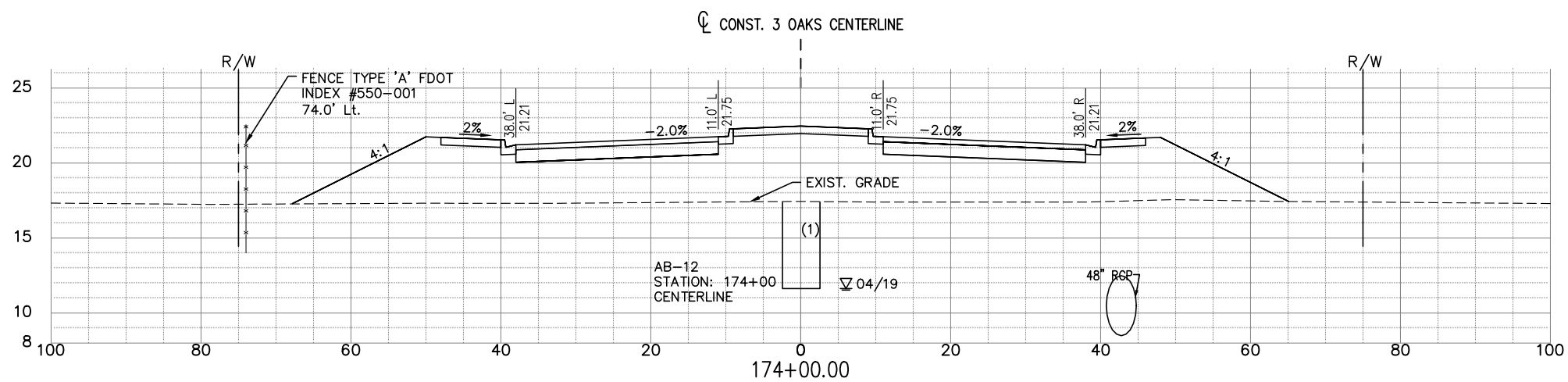
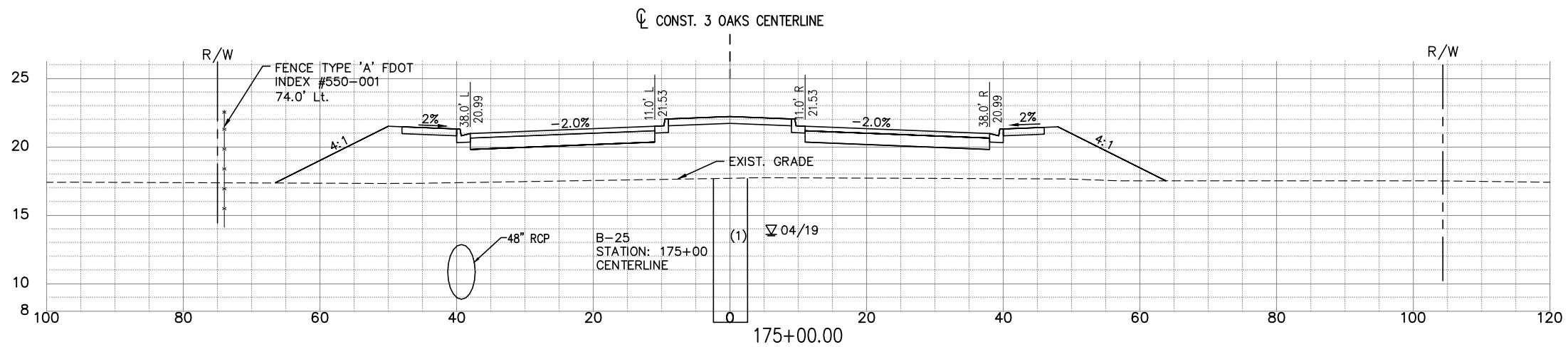
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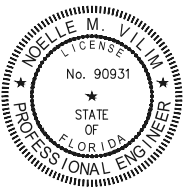


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SOIL BORING DATA FROM UNIVERSAL
ENGINEERING GEOTECHNICAL REPORT



EXC		EMB	
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0	258	357	31248
0	258	412	29823



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DATE	BY	REVISION DESCRIPTION
01/26/23	NV	ADDENDUM #1

BID SET PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Noelle M. Vilim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

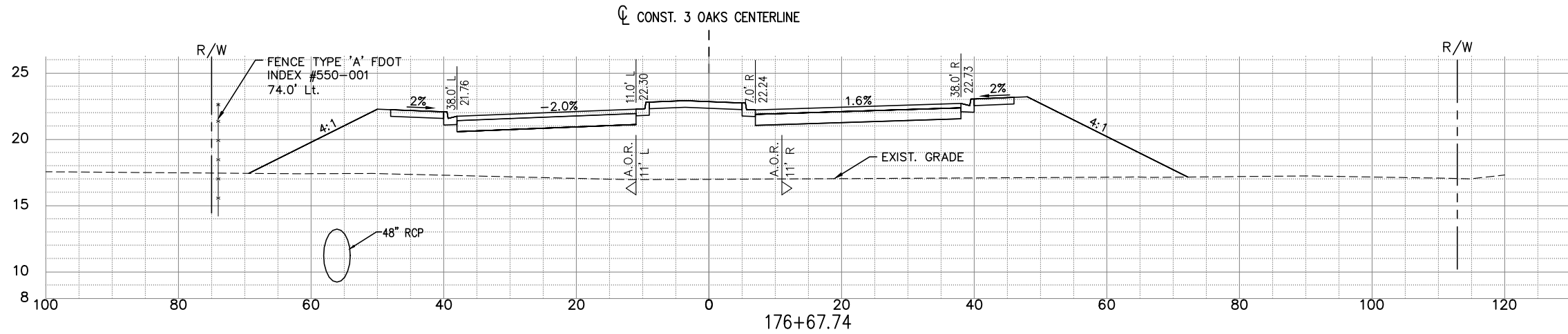
LEE COUNTY DEPARTMENT
OF
TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

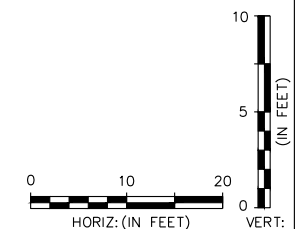
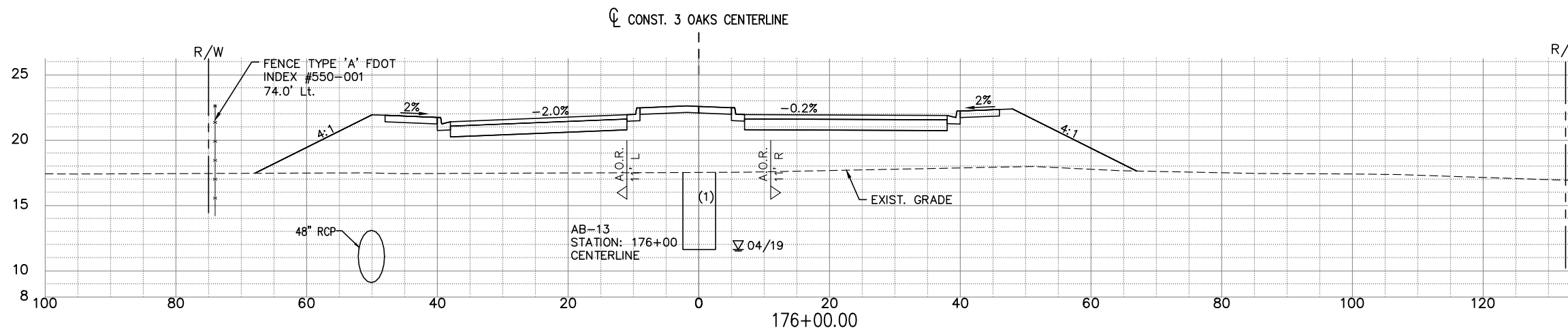
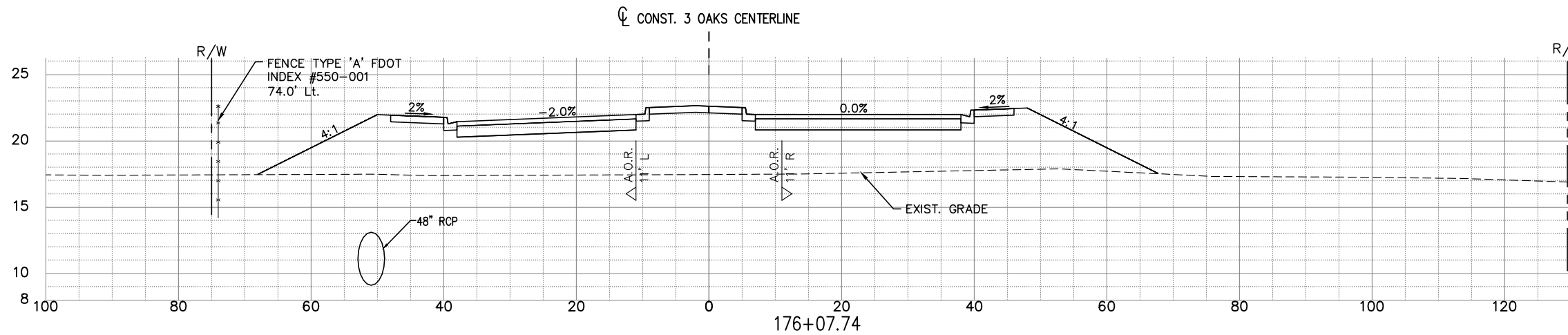
SHEET
77 of 132

P:\CAD\2017\17-372\3-Oaks-Plan\Plot_Plane\THREE OAKS XSECT B.dwg 78 ROADWAY CROSS SECTIONS 1/26/2023 12:15:03 PM Avalon Engineering Inc.

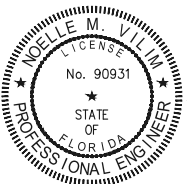


NOTE:
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SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT



EXC		EMB	
A	V	A	V
0	258	555	33902
0	258	449	32786
0	258	423	32661



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LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

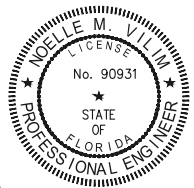
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
78 of 132

P:\CAD\2017\17-372\3-Oaks-Ph1\PILOT PHASE\THREE OAKS XSECT B.dwg, 80 ROADWAY CROSS SECTIONS, 1/26/2023 12:16:02 PM, Avalon Engineering Inc.



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CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

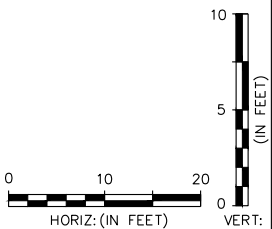
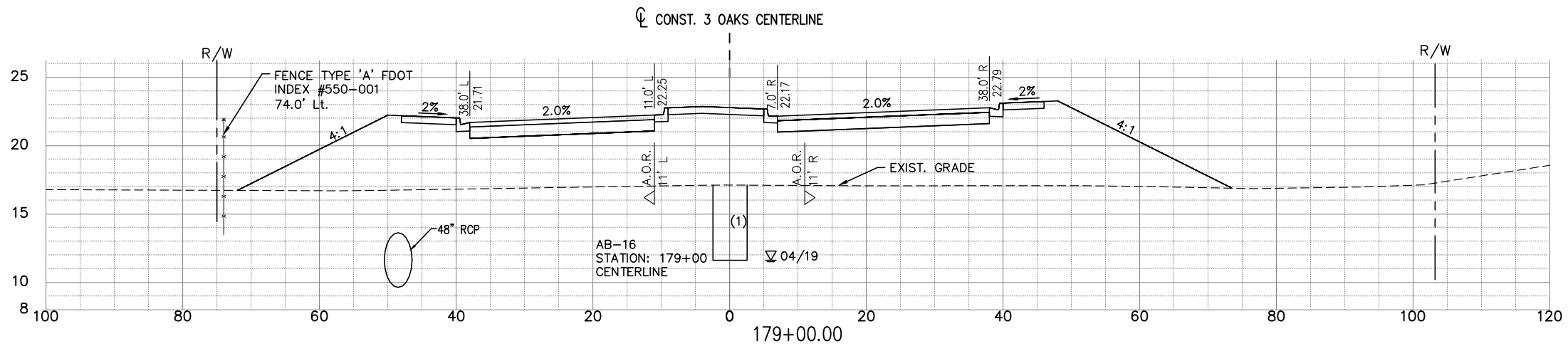
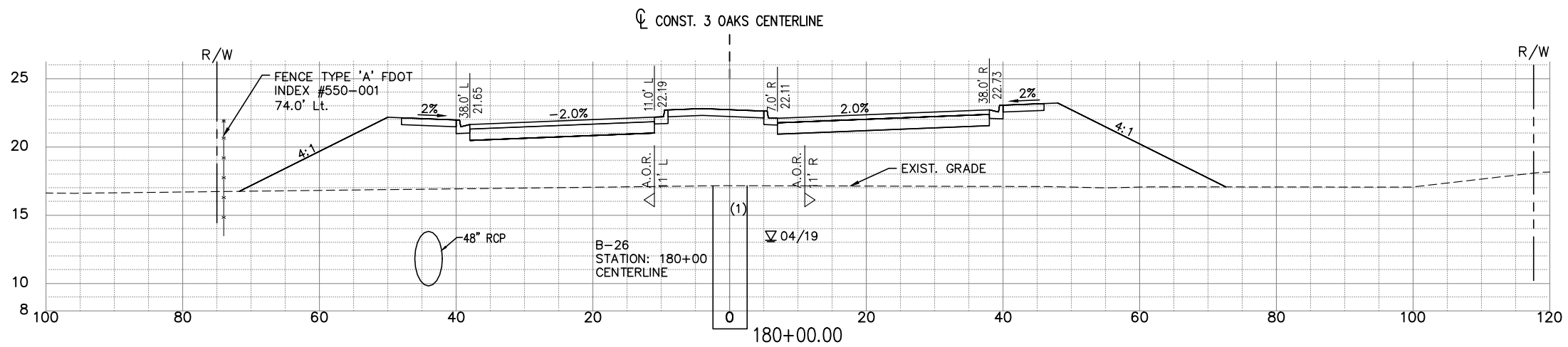
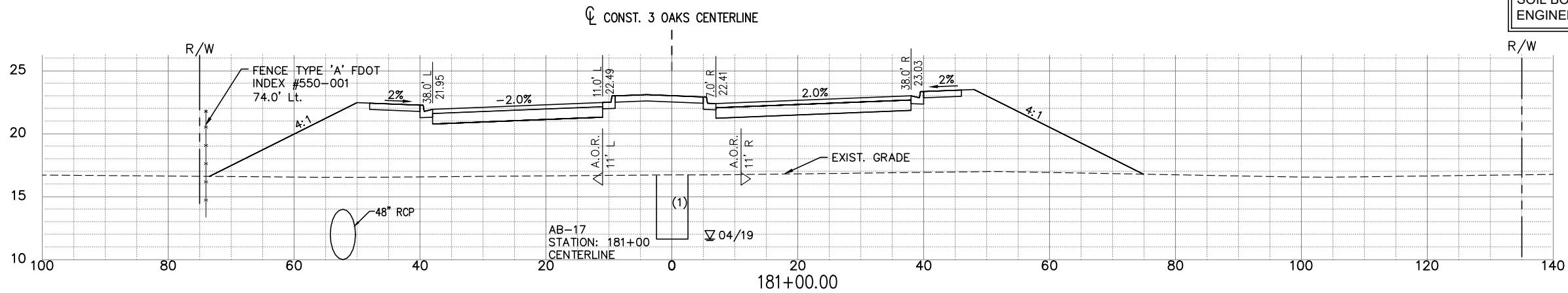
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
80 of 132

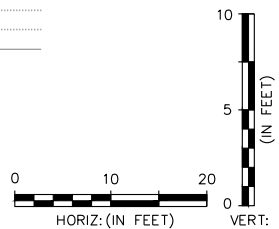
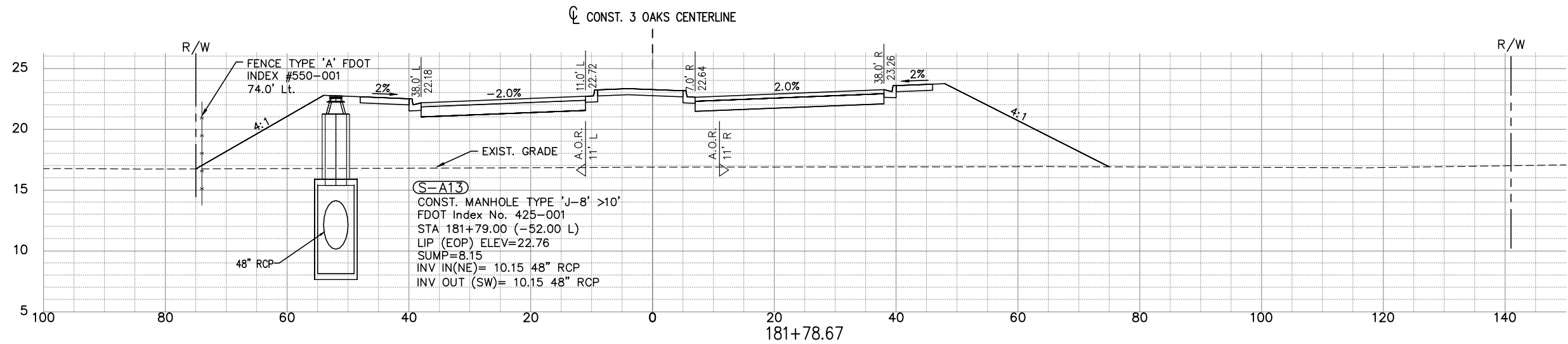
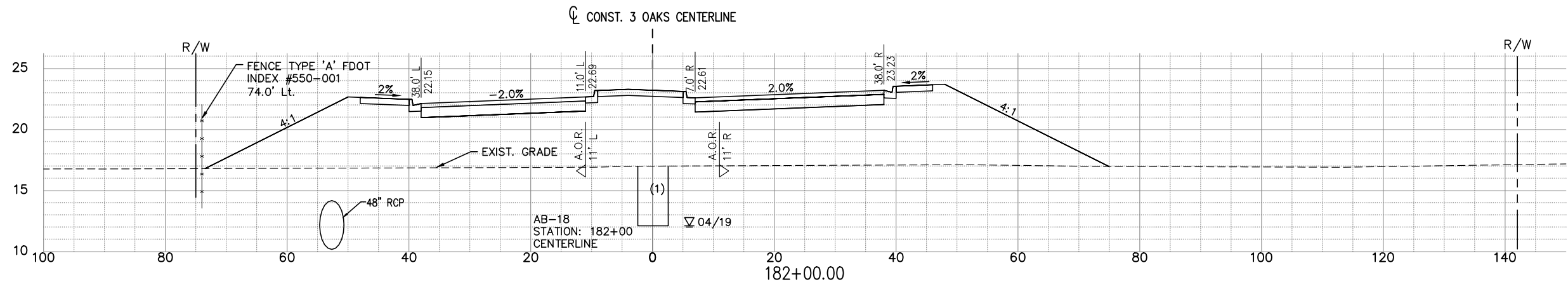
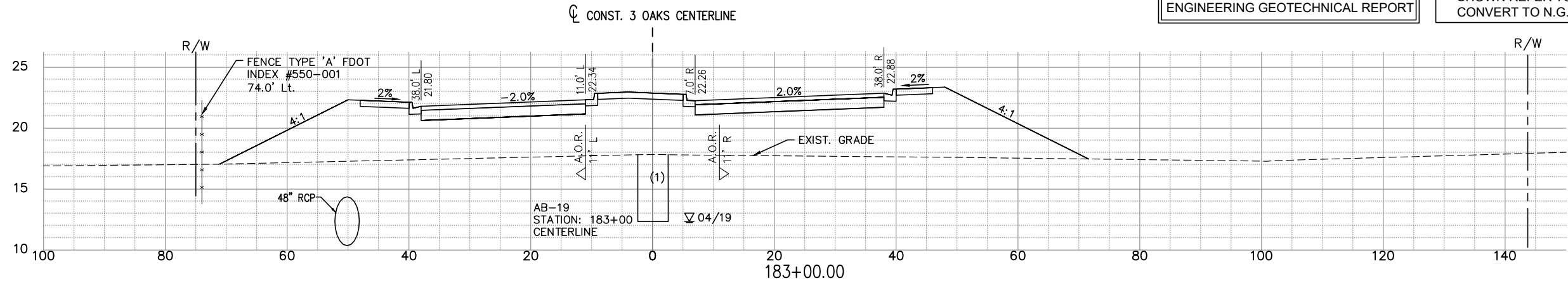
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.

SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT

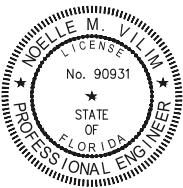


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0	258	562	41100
0	258	580	38982

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EXC		EMB	
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0	258	644	45806
0	258	681	45282



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PROJ. MGR. Noelle M. Vilim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

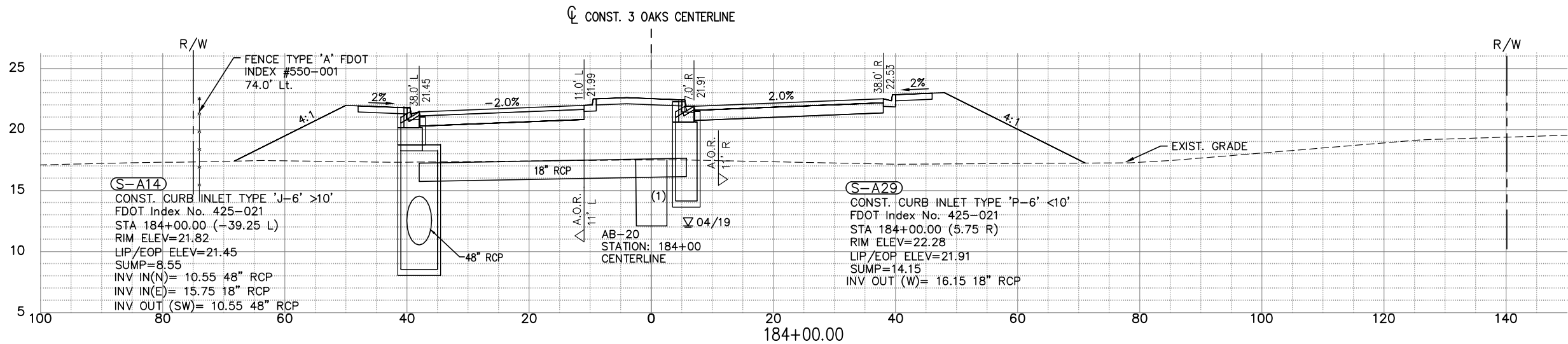
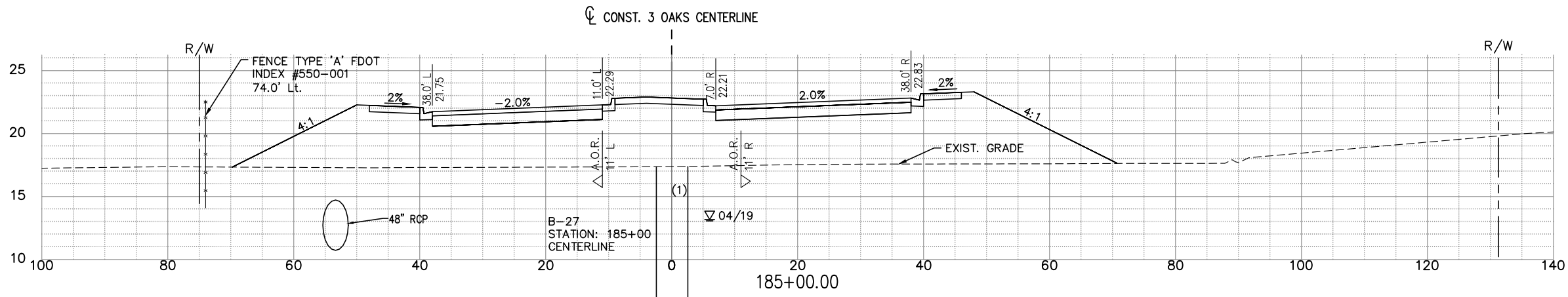
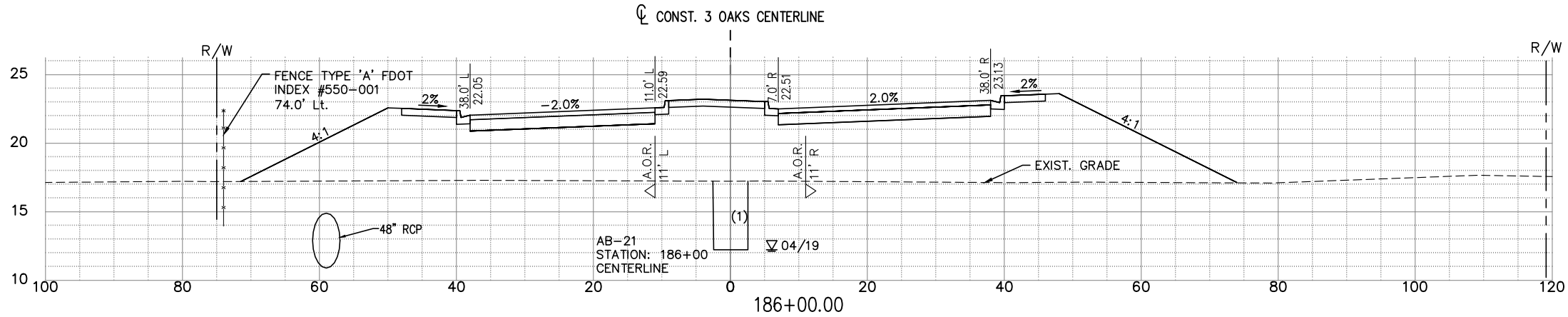
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
81 of 132

P:\CAD\2017\17-372\3-Oaks-Ph1\PILOT PHASE\THREE OAKS XSECT B.dwg 82 ROADWAY CROSS SECTIONS 1/26/2023 12:17:06 PM Avalon Engineering Inc.



NOTE:
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CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.

SOIL BORING DATA FROM UNIVERSAL
ENGINEERING GEOTECHNICAL REPORT

EXC		EMB	
A	V	A	V
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0	258	489	49799
0	258	489	49799



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LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

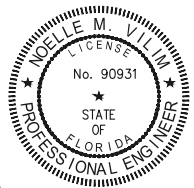
LEE COUNTY DEPARTMENT
OF
TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
82 of 132

P:\CAD\2017\17-372\3-Oaks-Ph1\11PLOT PHASE\THREE OAKS XSECT B.dwg 83 ROADWAY CROSS SECTIONS 1/26/2023 12:17:45 PM Avalon Engineering Inc.



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LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

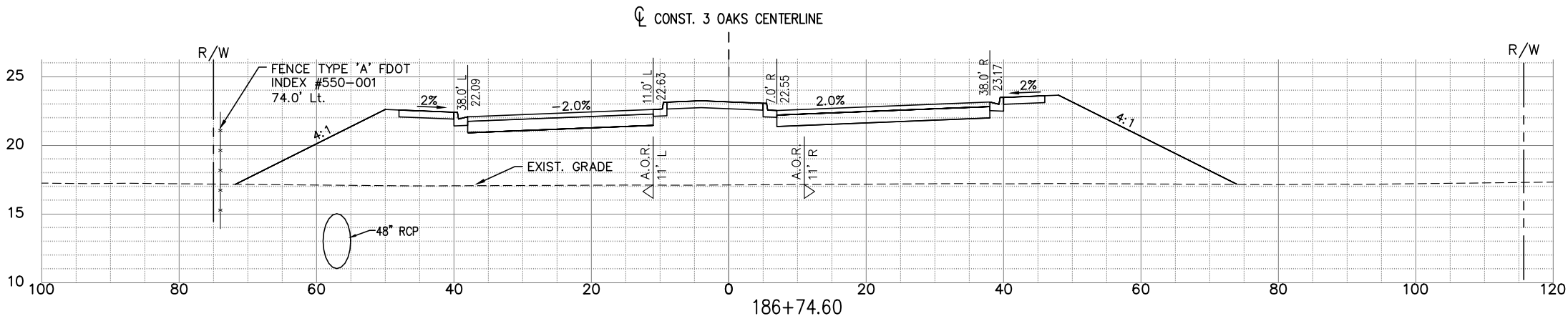
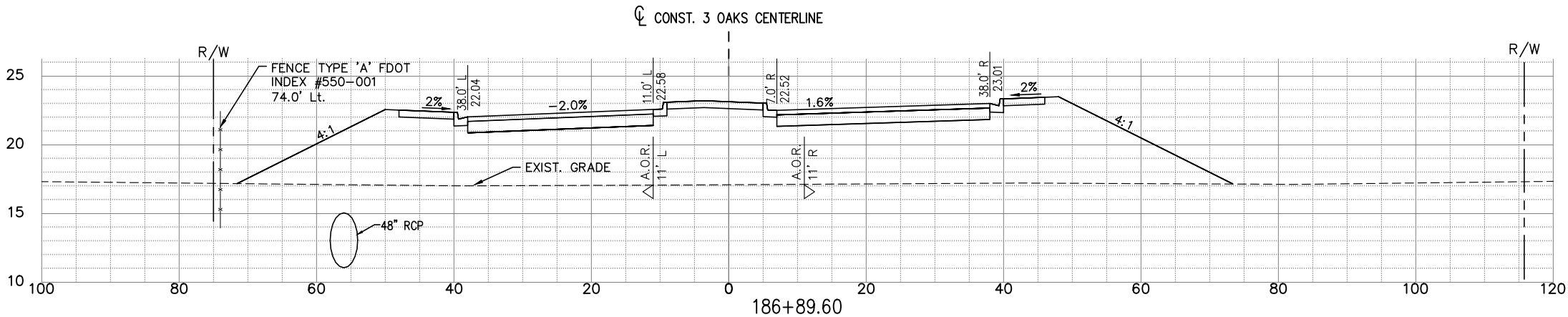
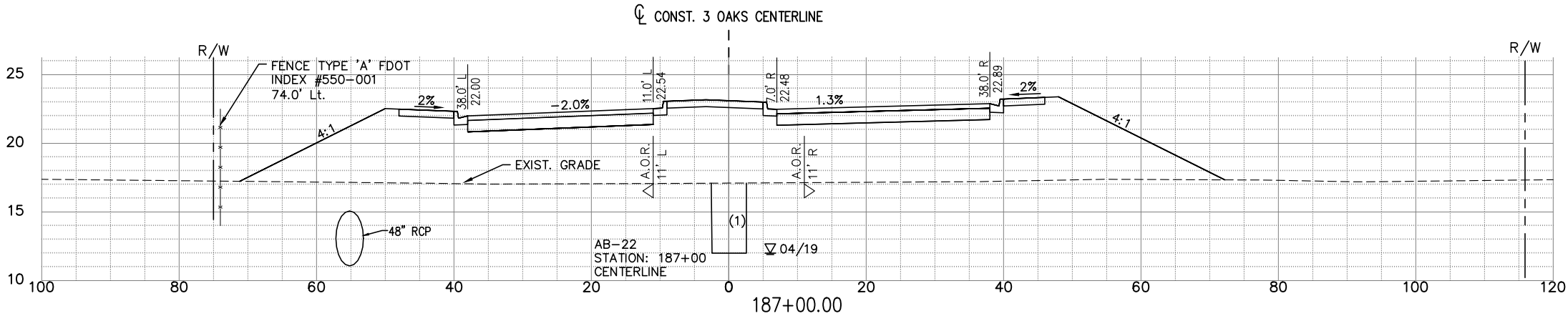
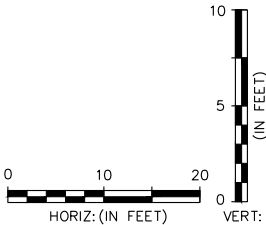
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
83 of 132

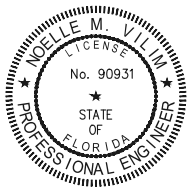
NOTE:
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SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT

EXC		EMB	
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0	258	610	55408



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PROJ. MGR. Noelle M. Vilim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

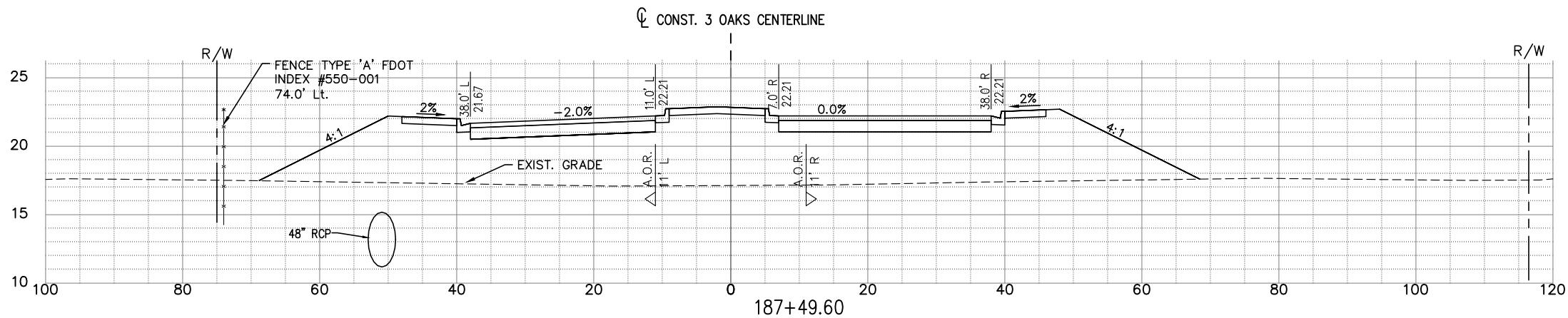
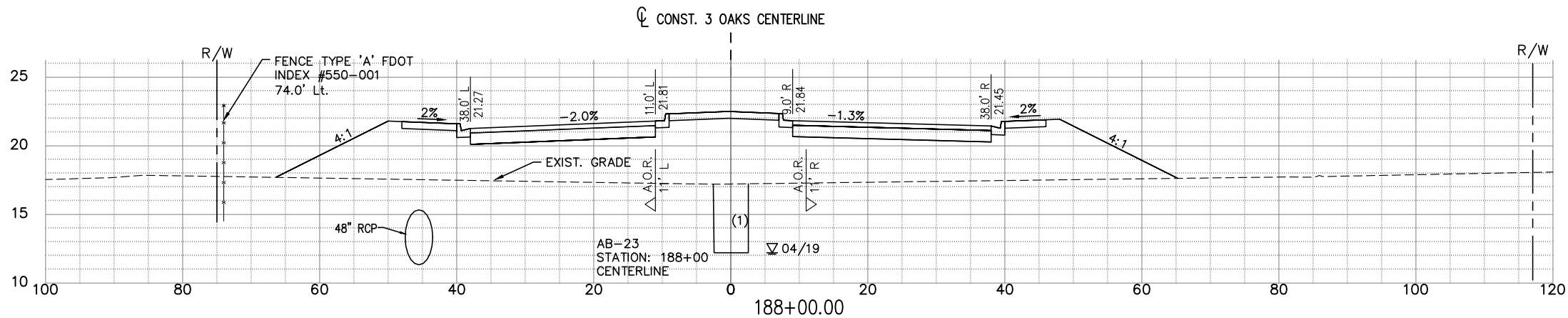
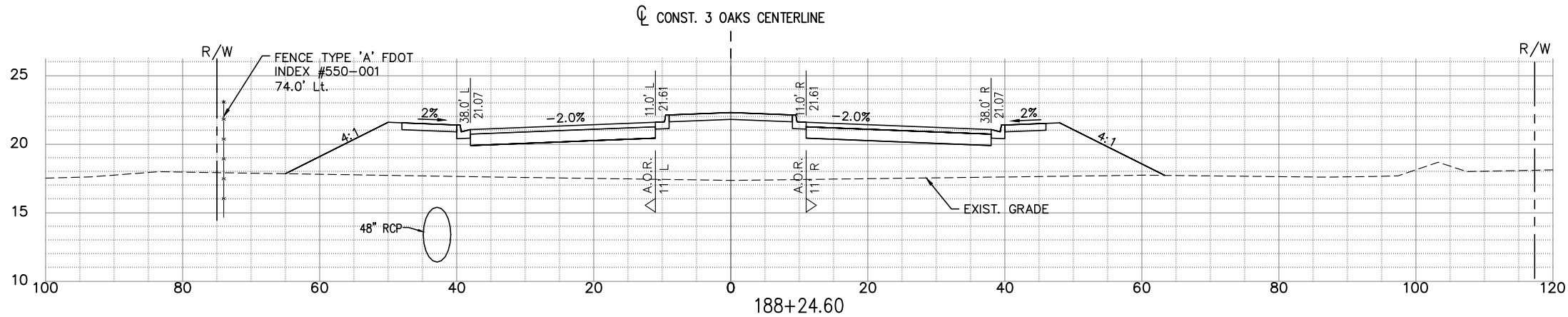
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

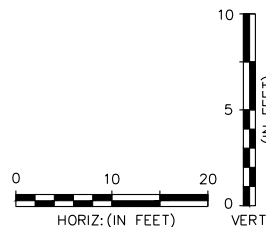
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
84 of 132



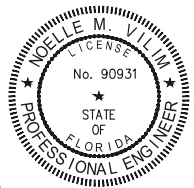
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SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT



EXC		EMB	
A	V	A	V
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0	258	418	57854
0	258	515	56983

P:\CAD\2017\17-372\3-Oaks-Pkwy\11-PLOT PHASE\THREE OAKS XSECT B.dwg, 85 ROADWAY CROSS SECTIONS, 1/26/2023 12:18:32 PM, Avalon Engineering Inc.



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DATE	BY	REVISION DESCRIPTION
01/26/23	NV	ADDENDUM #1

BID SET PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Noelle M. Viim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

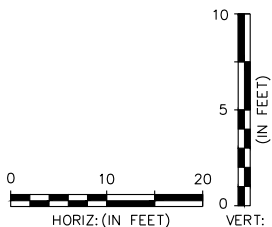
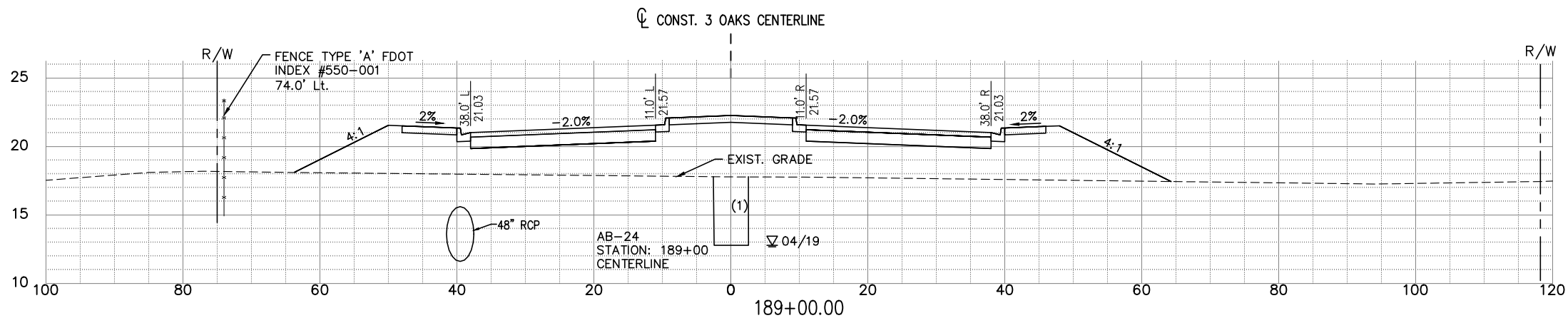
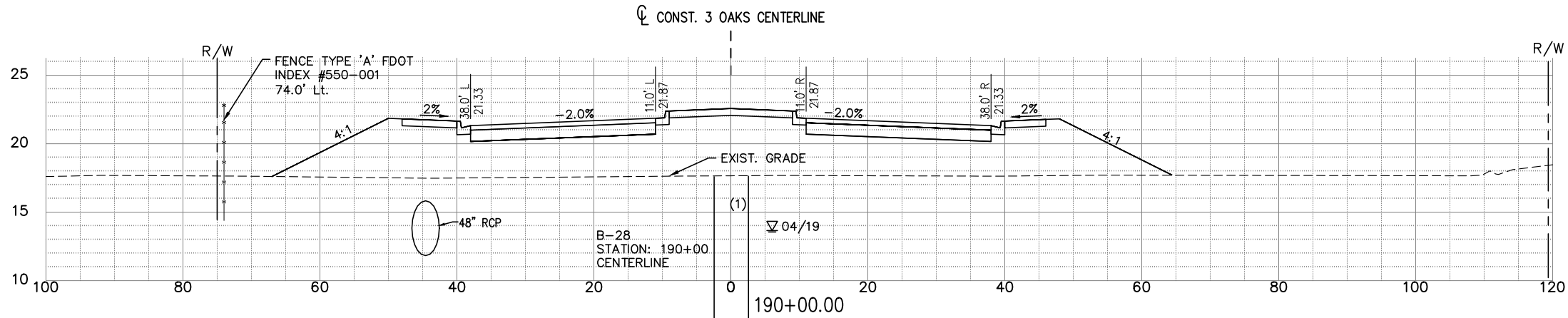
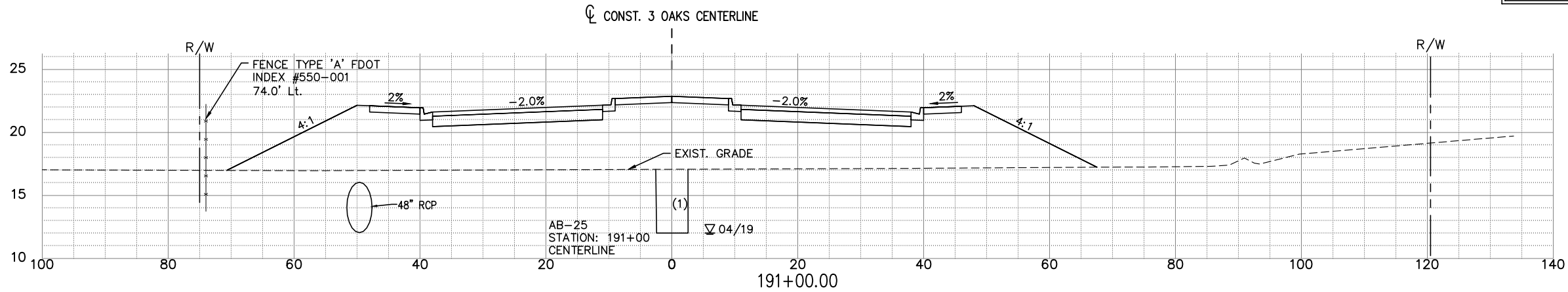
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
85 of 132

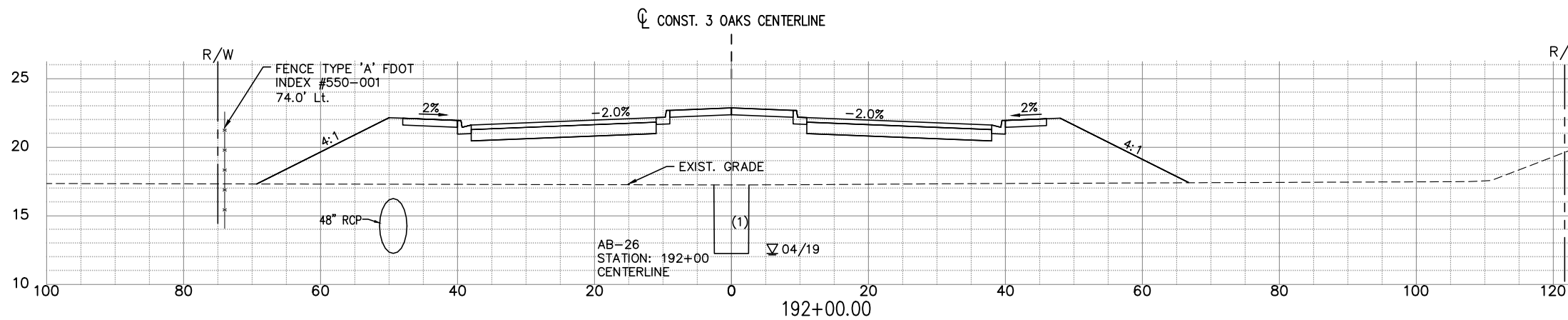
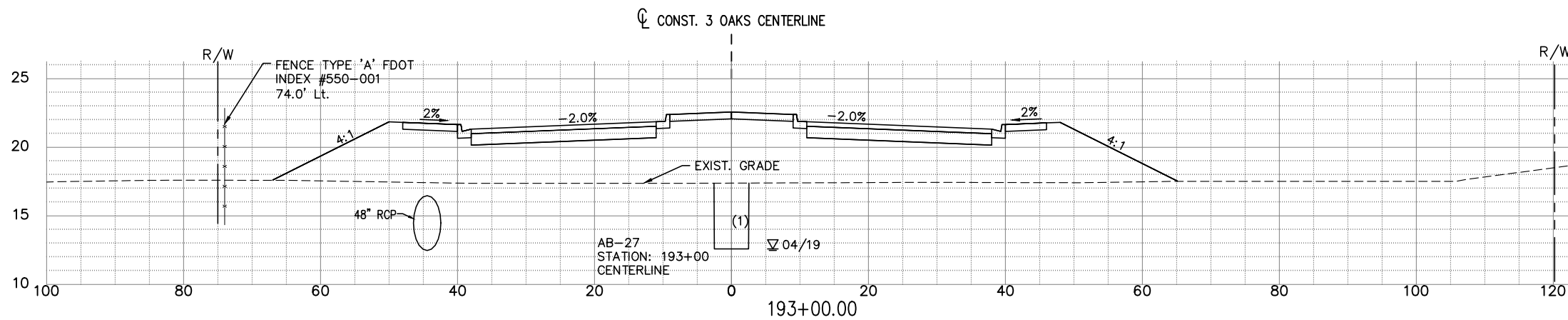
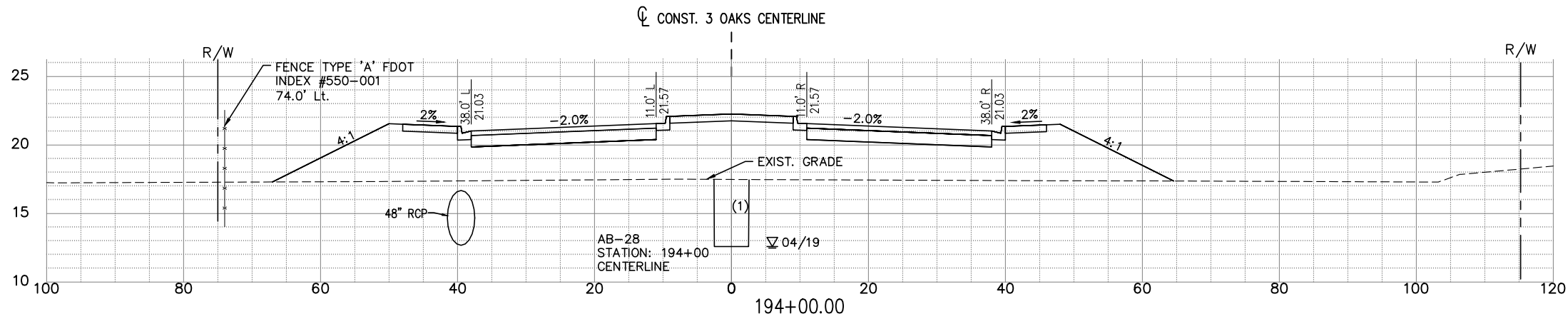
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.

SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT



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0	258	334	59191

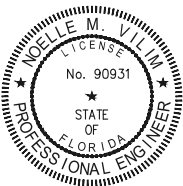
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NOTE:
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CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.

SOIL BORING DATA FROM UNIVERSAL
ENGINEERING GEOTECHNICAL REPORT

EXC		EMB	
A	V	A	V
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0	258	421	65716
0	258	478	64052



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BID SET PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Noelle M. Vilim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

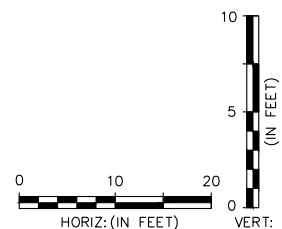
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT
OF
TRANSPORTATION
(239) 533-8580

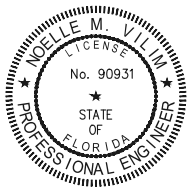
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
86 of 132



P:\CAD\2017\17-372\3-Oaks-Plan\Plot PHASE\THREE OAKS.XSECT C.dwg, 87 ROADWAY CROSS SECTIONS, 1/26/2023 12:20:19 PM, Avalon Engineering Inc.



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LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

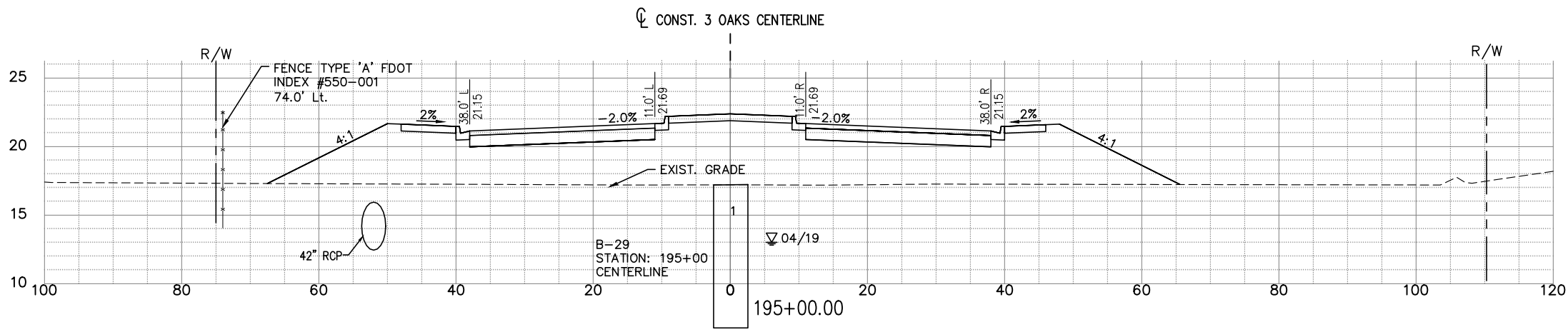
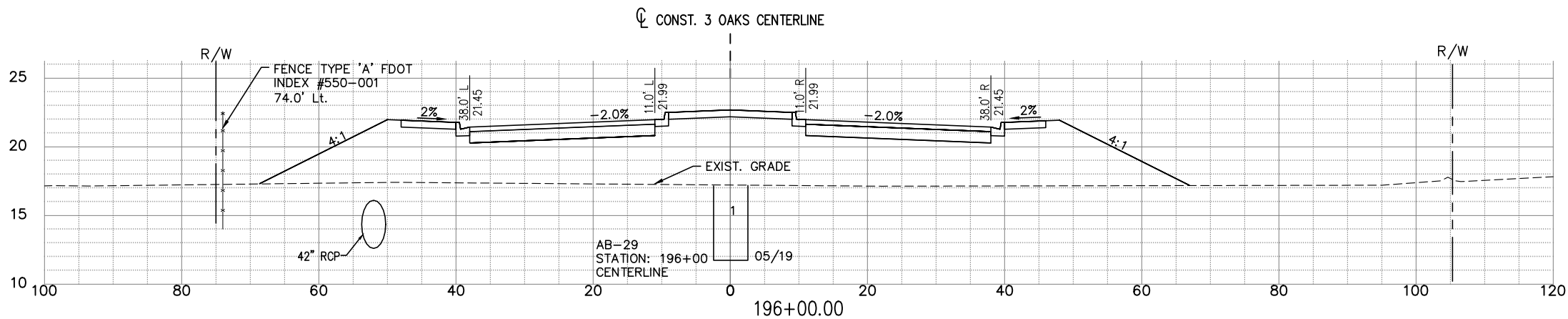
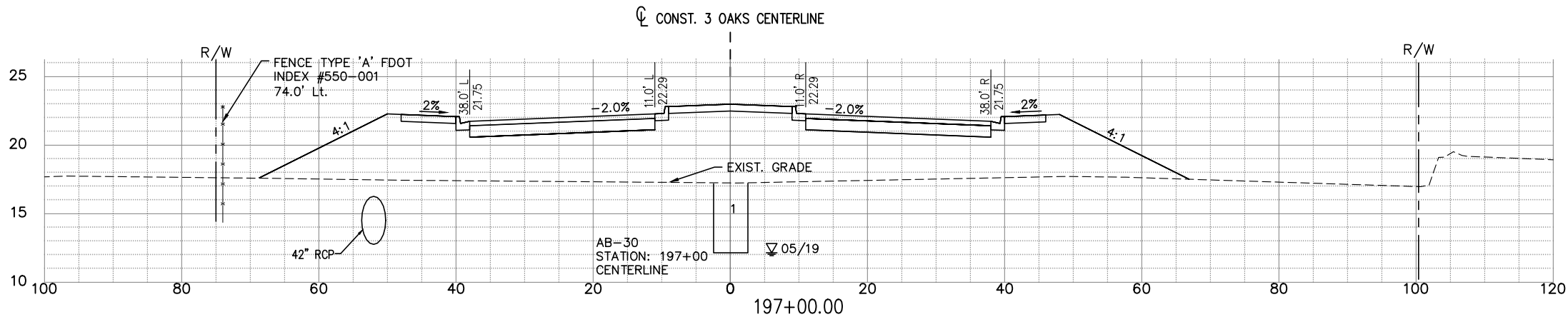
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT
OF
TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

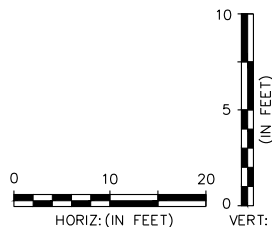
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
87 of 132



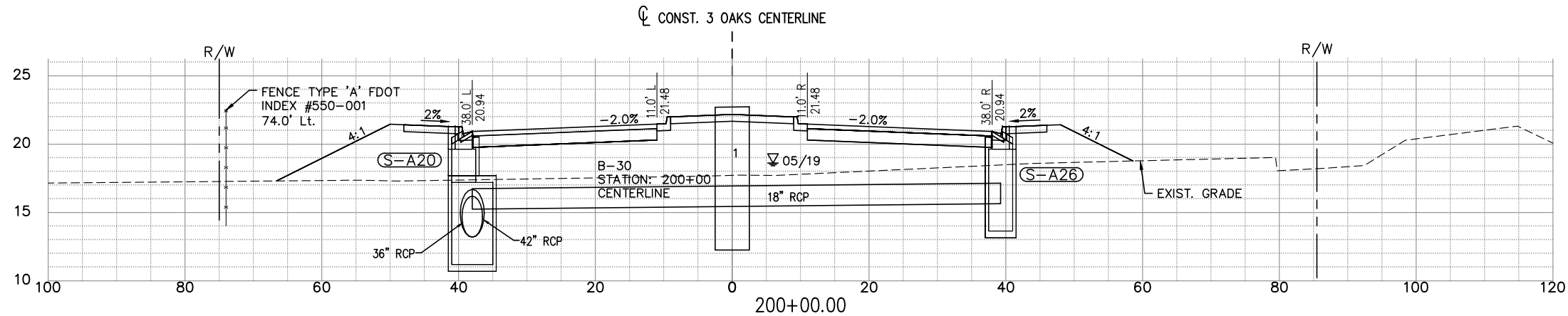
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.

SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT



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P:\CAD\2017\17-372\3-Oaks-Ph1\PILOT PHASE\THREE OAKS XSECT C.dwg 88 ROADWAY CROSS SECTIONS 1/26/2023 12:20:43 PM Avalon Engineering Inc.

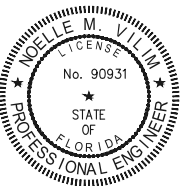
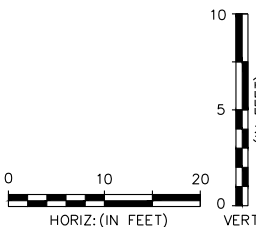
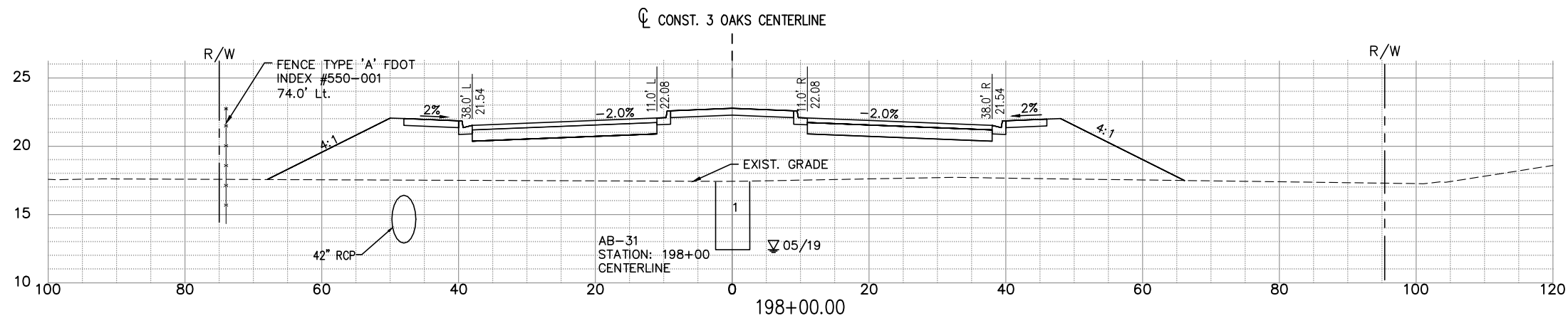
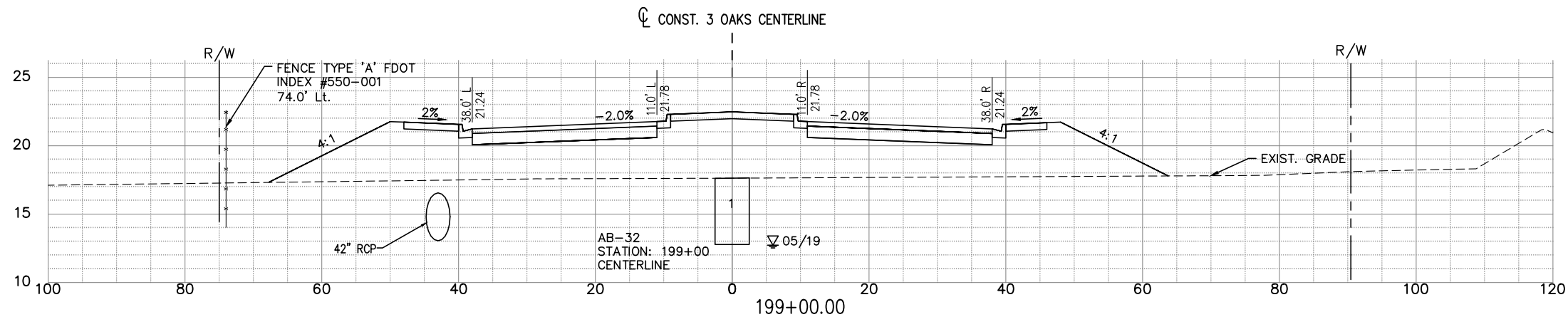


NOTE:
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SHOWN REFER TO N.A.V.D. 1988. TO
CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.

(S-A20)
CONST. CURB INLET TYPE 'J-6' <10'
FDOT Index No. 425-021
STA 200+00.00 (-38.00 L)
LIP (EOP) ELEV=21.31
SUMP=11.20
INV IN(N)= 13.20 36" RCP
INV IN(E)= 15.25 18" RCP
INV OUT (S)= 13.20 42" RCP

(S-A26)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 200+00.00 (39.25 R)
LIP (EOP) ELEV=21.31
SUMP=13.65
INV OUT (W)= 15.65 18" RCP

SOIL BORING DATA FROM UNIVERSAL
ENGINEERING GEOTECHNICAL REPORT



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DATE	BY	REVISION DESCRIPTION
01/26/23	NV	ADDENDUM #1

BID SET PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Noelle M. Vilim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT
OF
TRANSPORTATION
(239) 533-8580

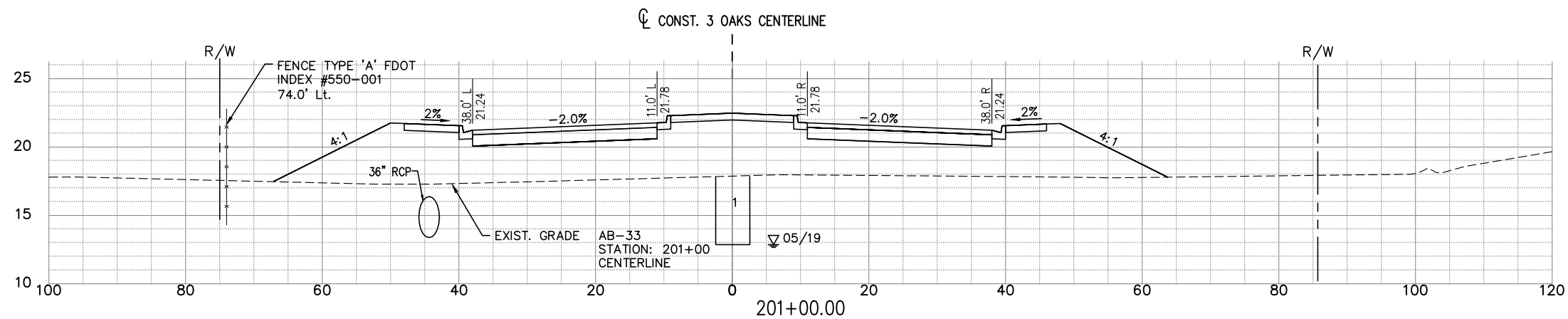
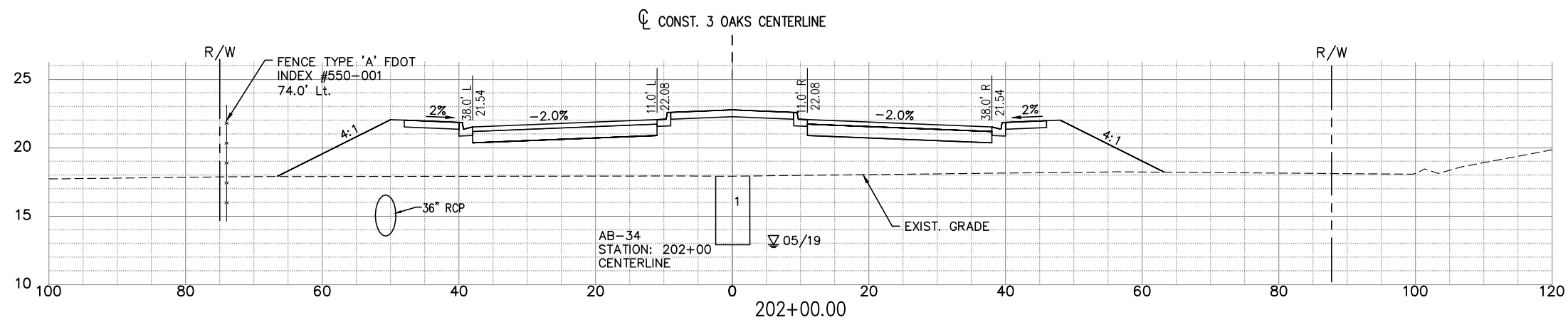
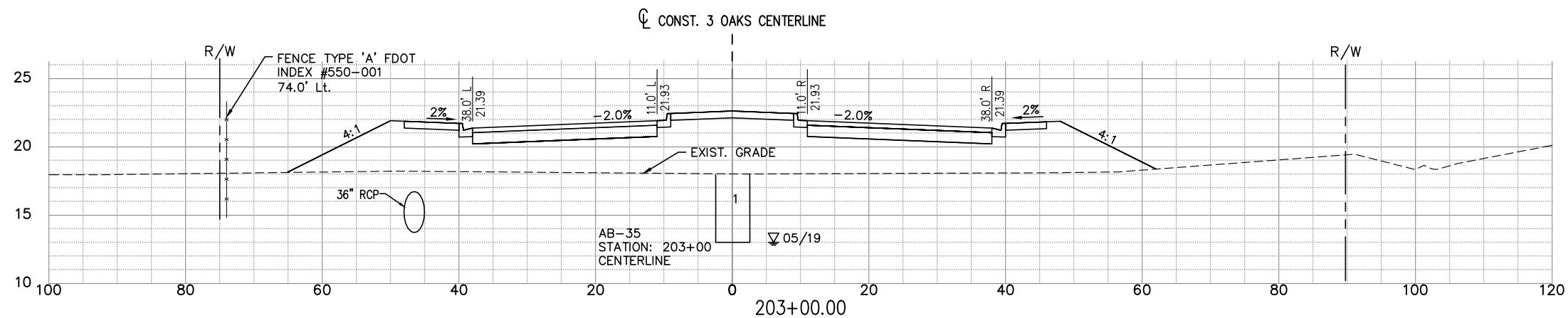
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
88 of 132

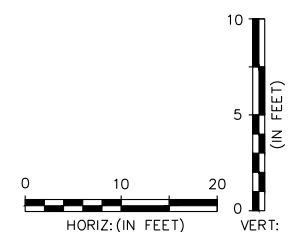
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A	V	A	V
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0	258	434	73752

P:\CAD\2017\17-372\3-Oaks-Ph1\LOT PHASE\1\THREE OAKS XSECT C.dwg, 89 ROADWAY CROSS SECTIONS, 1/26/2023 12:21:10 PM, Avalon Engineering Inc.

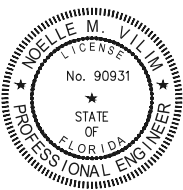


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SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT



EXC		EMB	
A	V	A	V
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0	258	372	79237
0	258	377	77851



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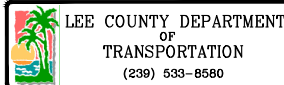
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DATE	BY	REVISION DESCRIPTION
01/26/23	NV	1 ADDENDUM #1

BID SET PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Noelle M. Vilim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
 2503 DEL PRADO BLVD, SUITE 200
 CAPE CORAL, FLORIDA 33904
 FBPE#3128 (239) 573-2077



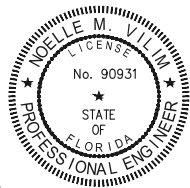
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS

THREE OAKS PKWY EXT.

SHEET
9 of 132

P:\CAD\2017\17-372\3-Oaks-Ph1\101-THREE OAKS XSECT C.dwg, 90 ROADWAY CROSS SECTIONS, 1/26/2023 12:21:30 PM, Avalon Engineering, Inc.



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PROJ. MGR. Noelle M. Vilim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

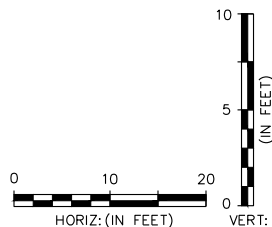
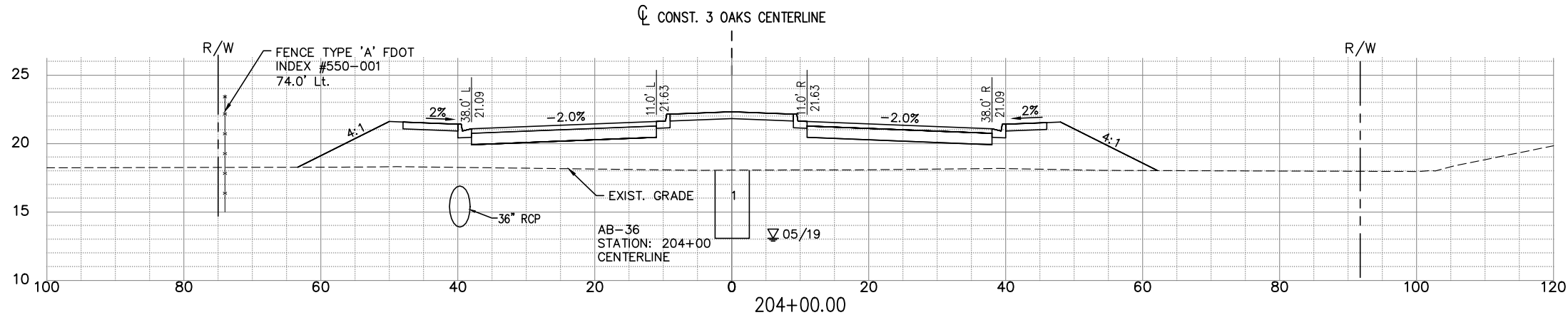
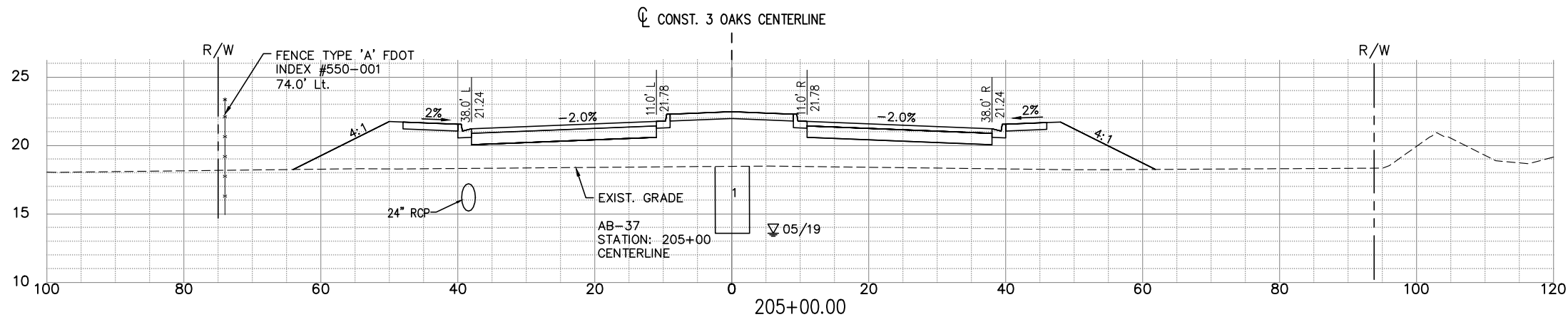
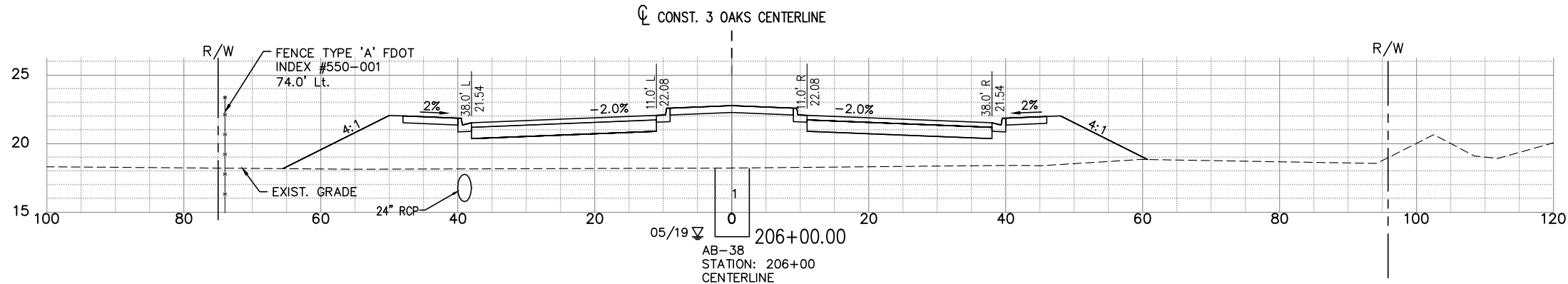
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
90 of 132

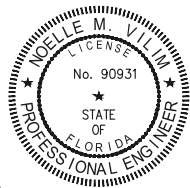
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.

SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT



EXC		EMB	
A	V	A	V
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0	258	289	82814
0	258	297	81730

P:\CAD\2017\17-372\3-Oaks-Ph1\Plot_Plane\THREE OAKS XSECT C.dwg, 91 ROADWAY CROSS SECTIONS, 1/26/2023 12:21:50 PM, Avalon Engineering Inc.



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LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

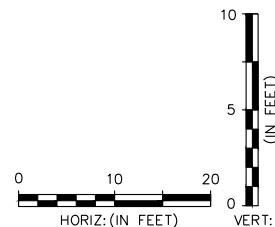
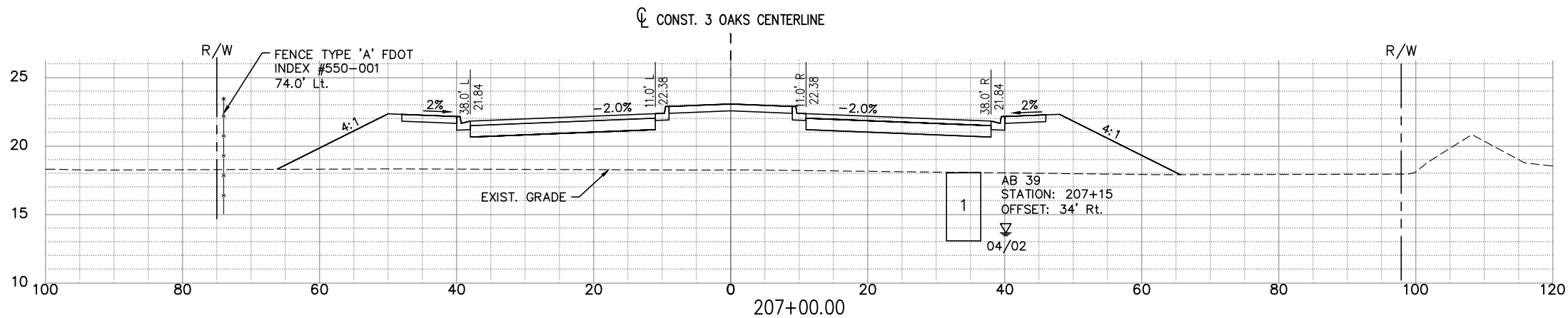
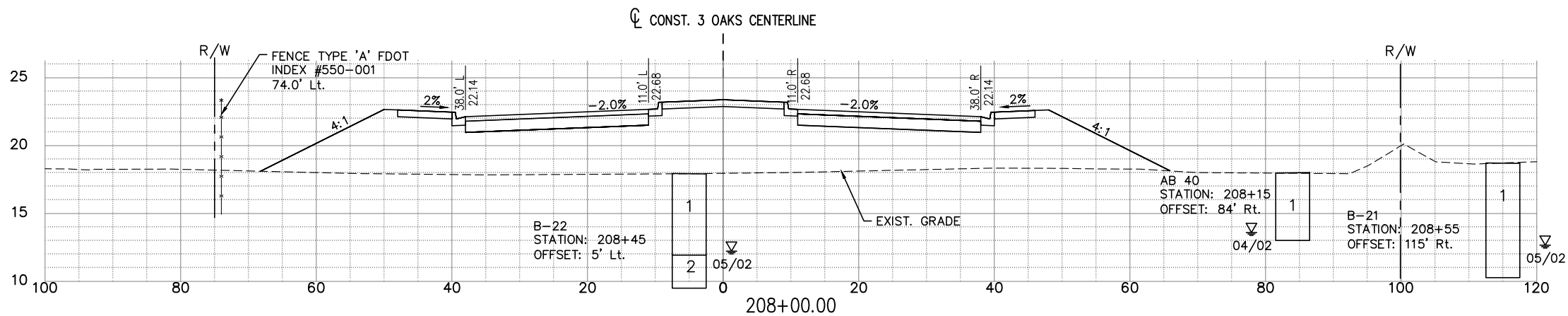
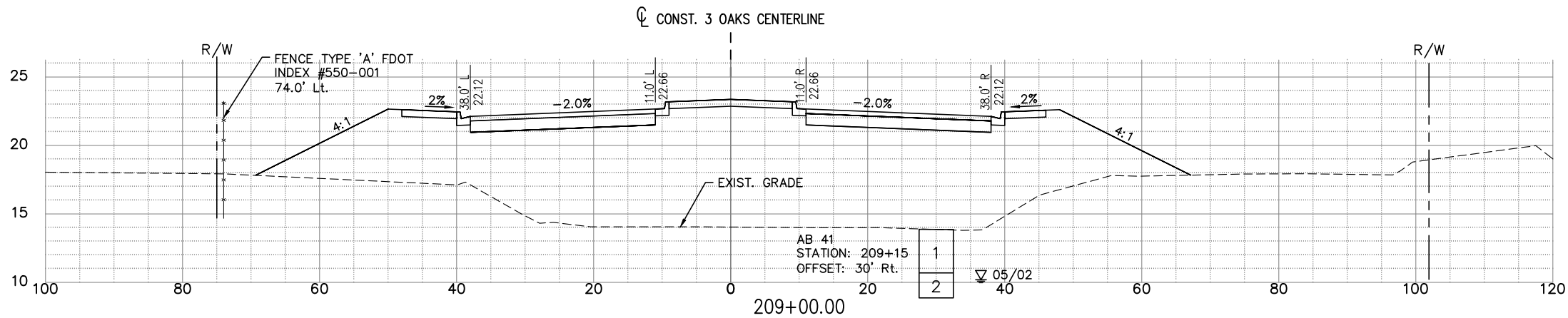
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
91 of 132

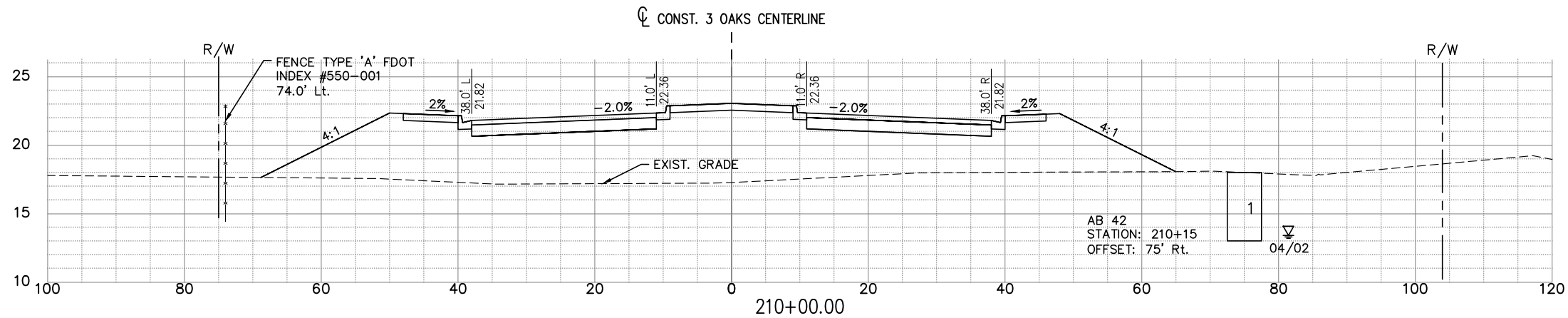
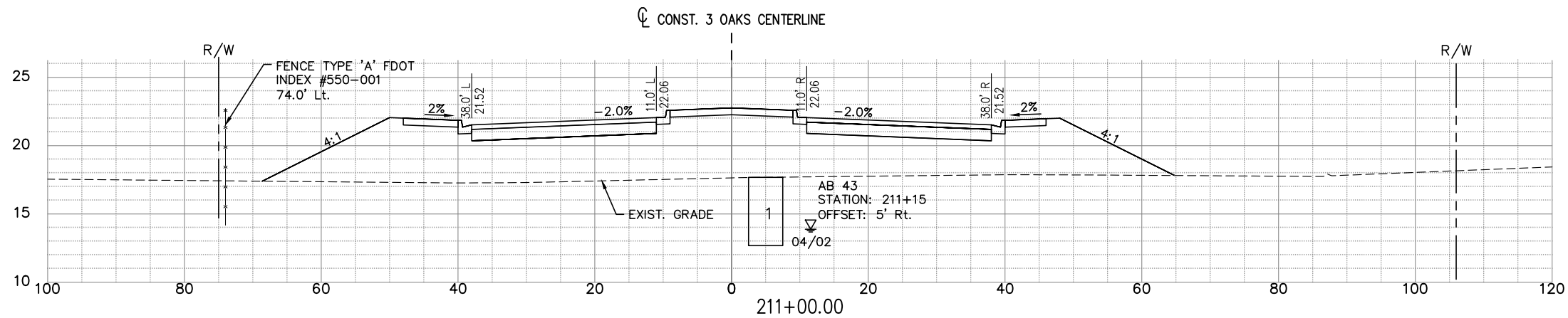
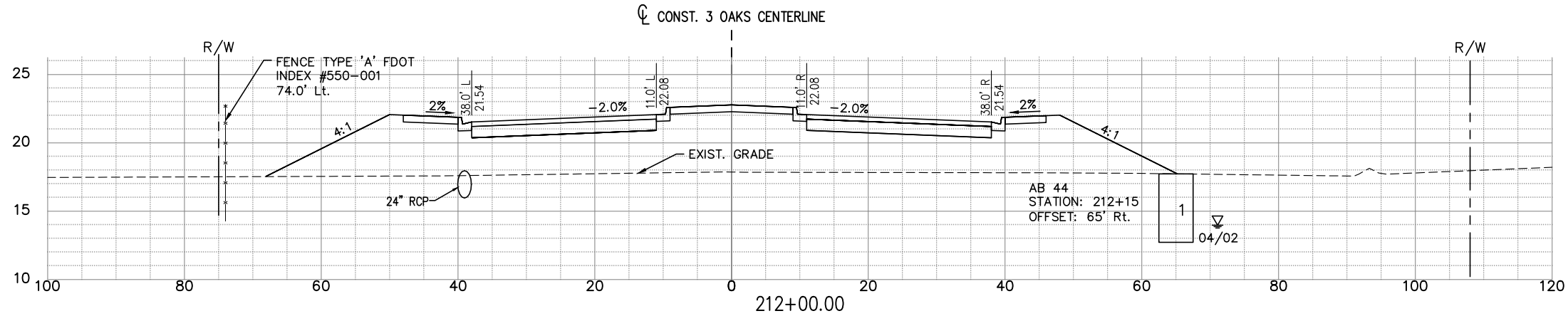
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SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT



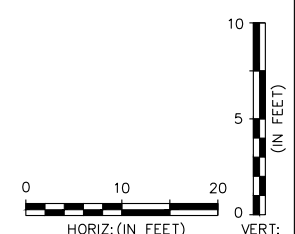
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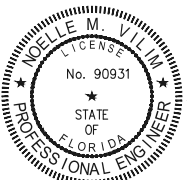


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SOIL BORING DATA FROM UNIVERSAL
ENGINEERING GEOTECHNICAL REPORT



EXC		EMB	
A	V	A	V
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0	258	427	93096
0	258	465	91446



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LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

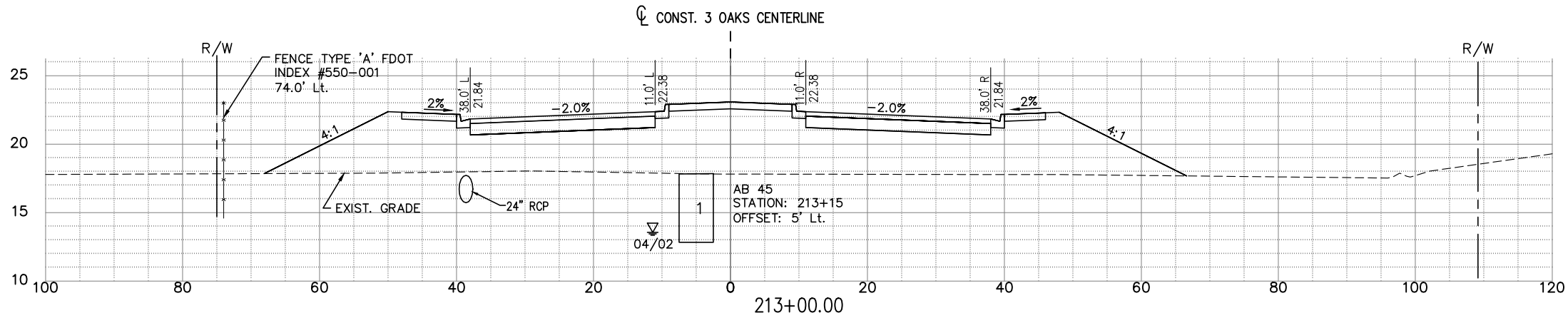
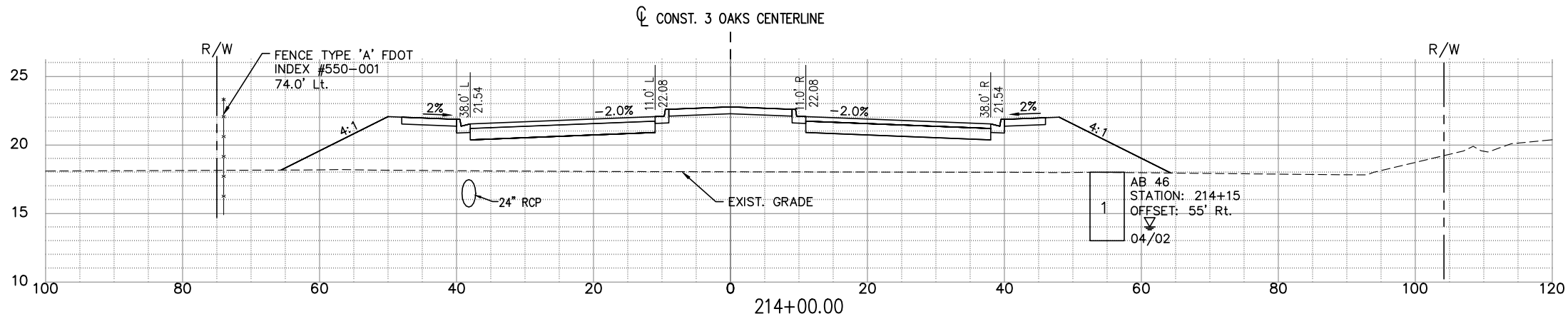
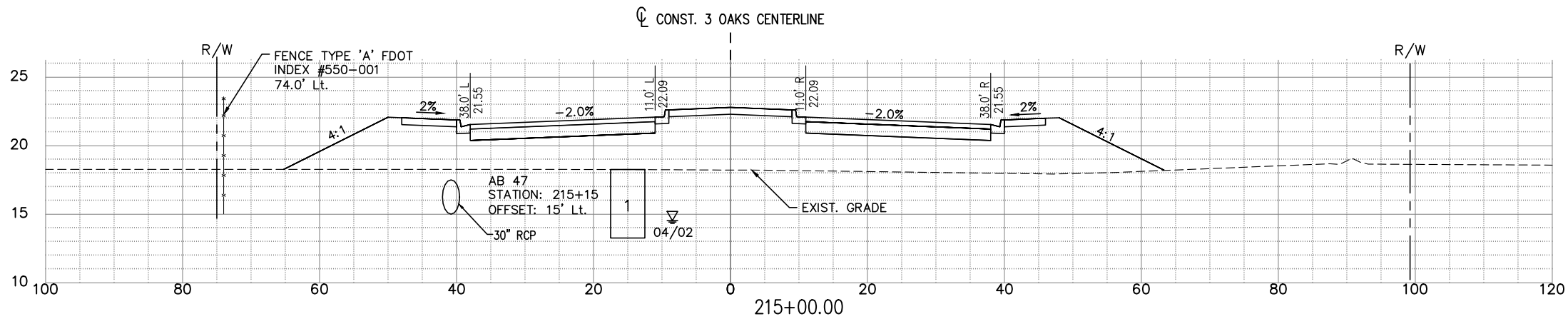
LEE COUNTY DEPARTMENT
OF
TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
92 of 132

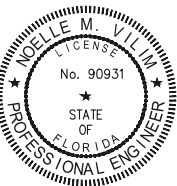
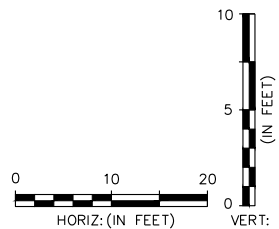
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NOTE:
1.) ALL EXISTING AND PROPOSED GRADES
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CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.

SOIL BORING DATA FROM UNIVERSAL
ENGINEERING GEOTECHNICAL REPORT

EXC		EMB	
A	V	A	V
0	258	353	99011
0	258	366	97680
0	258	434	96200



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01/26/23	NV	ADDENDUM #1

BID SET PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Noelle M. Vilim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

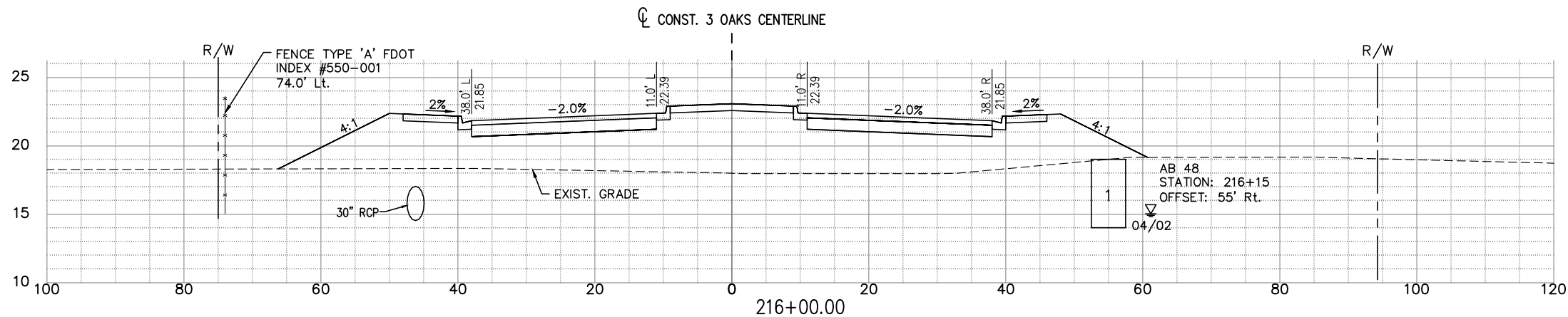
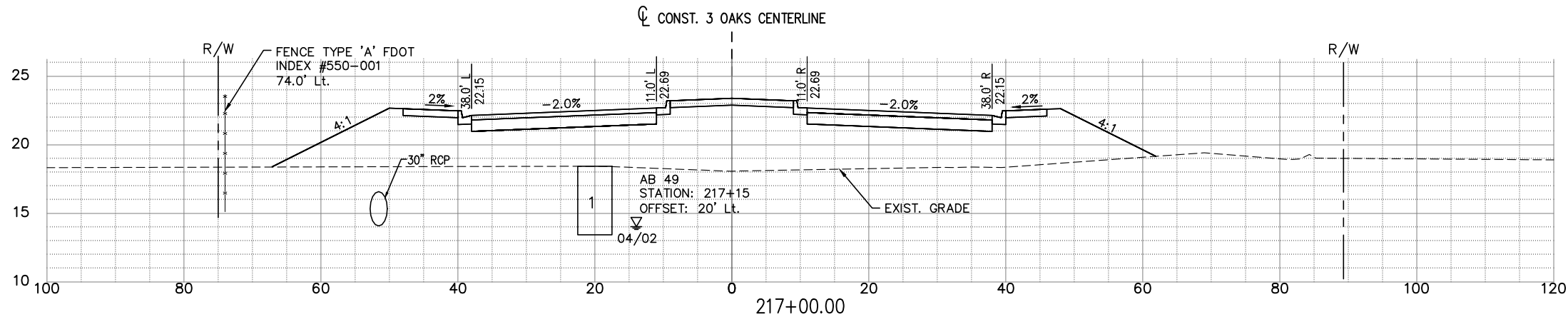
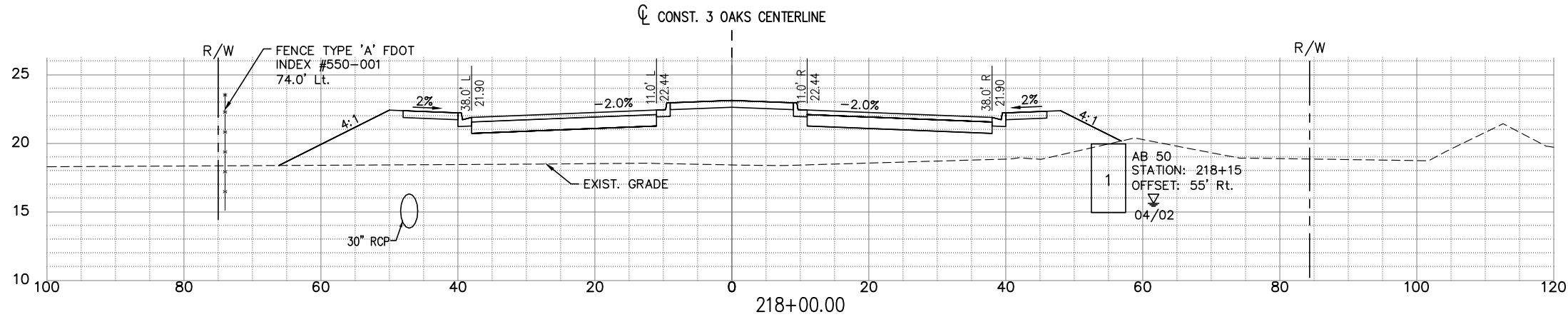
LEE COUNTY DEPARTMENT
OF
TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
93 of 132

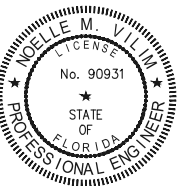
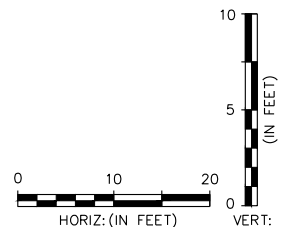
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NOTE:
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SHOWN REFER TO N.A.V.D. 1988. TO
CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.

SOIL BORING DATA FROM UNIVERSAL
ENGINEERING GEOTECHNICAL REPORT

EXC		EMB	
A	V	A	V
0	258	335	103203
0	258	410	101824
0	258	378	100365



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PROJ. MGR. Noelle M. Vilim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

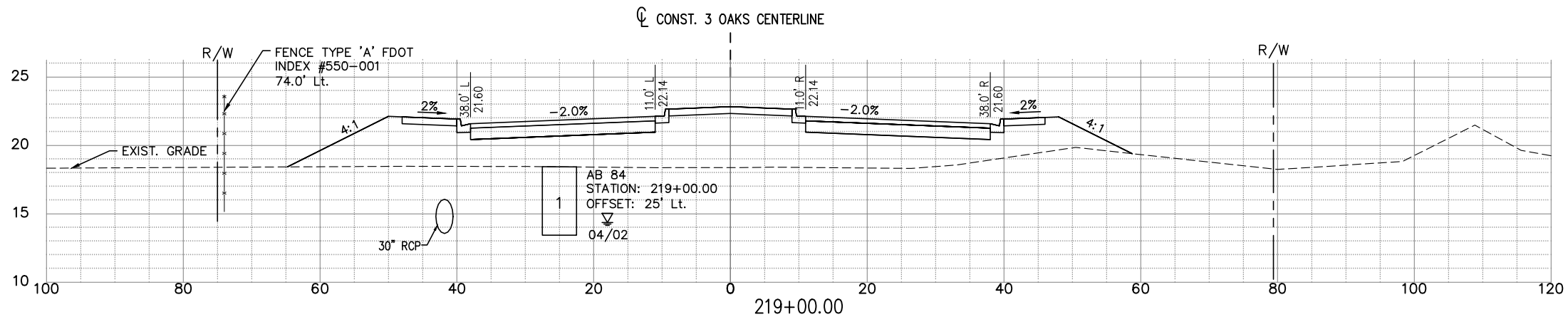
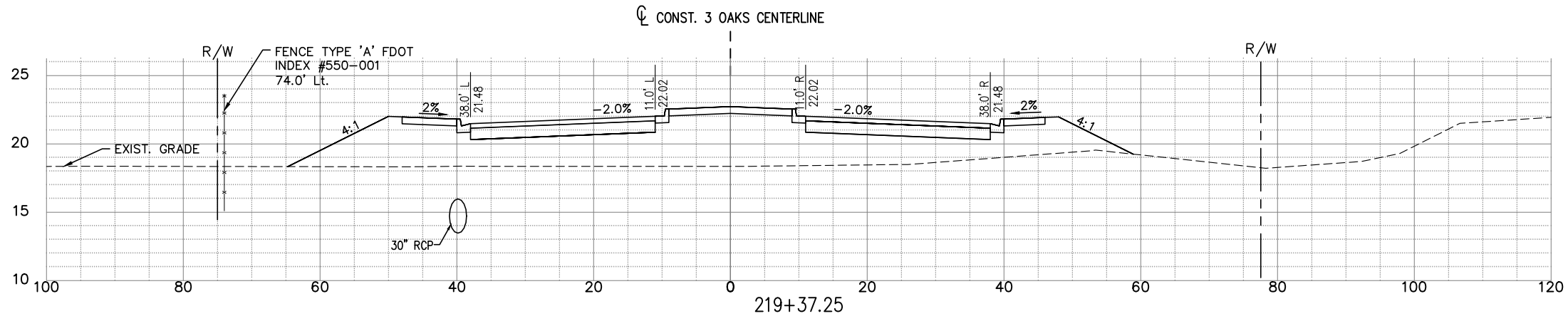
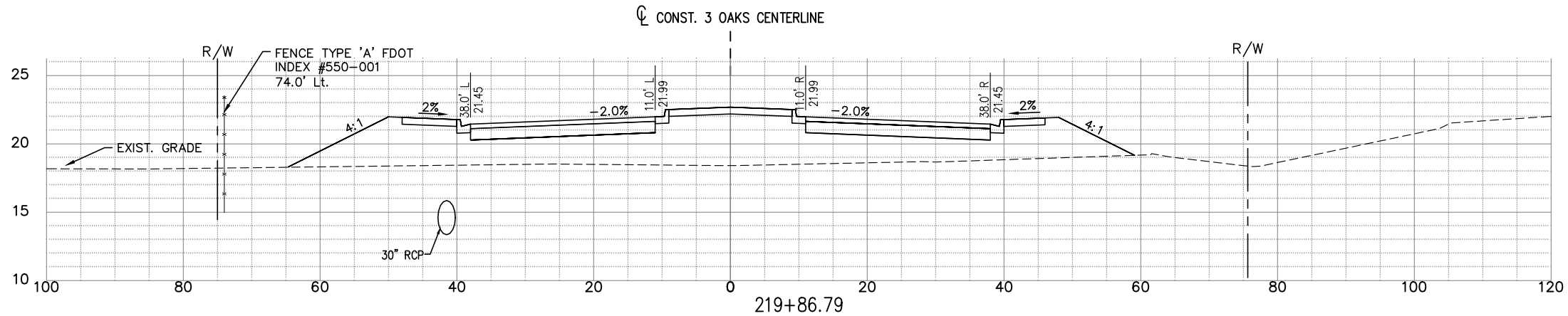
LEE COUNTY DEPARTMENT
OF
TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
94 of 132

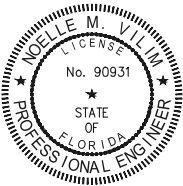
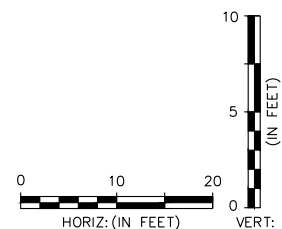
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NOTE:
1.) ALL EXISTING AND PROPOSED GRADES
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CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.

SOIL BORING DATA FROM UNIVERSAL
ENGINEERING GEOTECHNICAL REPORT

EXC		EMB	
A	V	A	V
0	258	288	105326
0	258	295	104793
0	258	302	104382



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PROJ. MGR. Noelle M. Vilim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

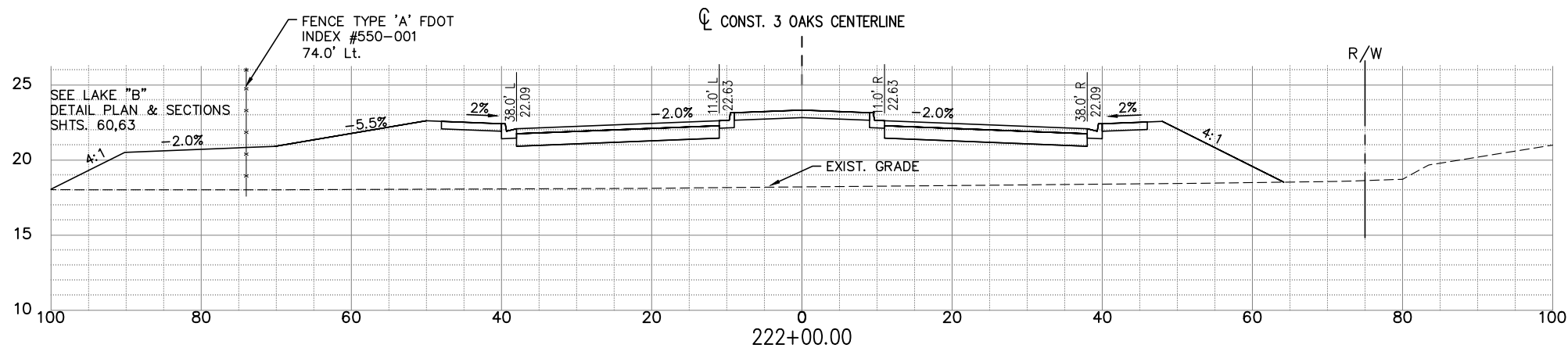
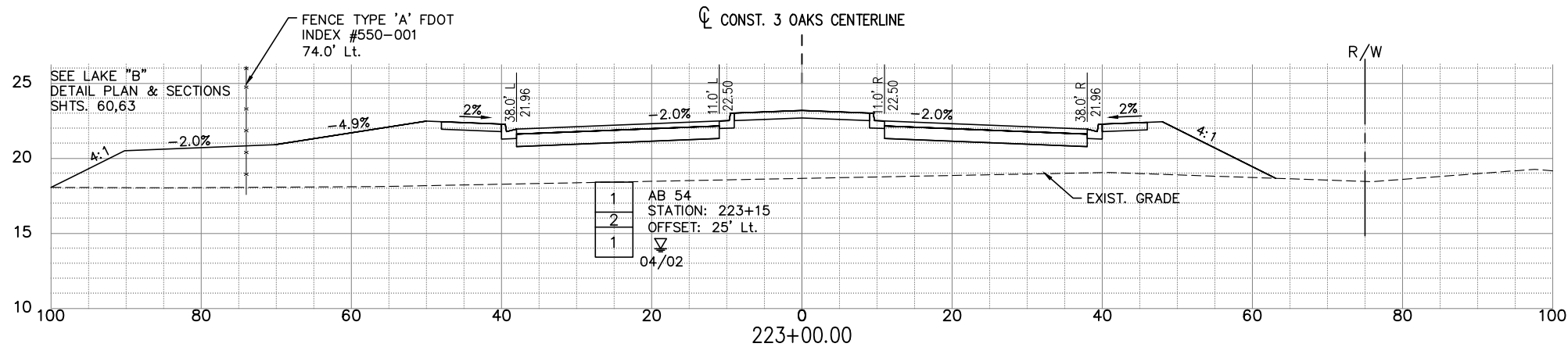
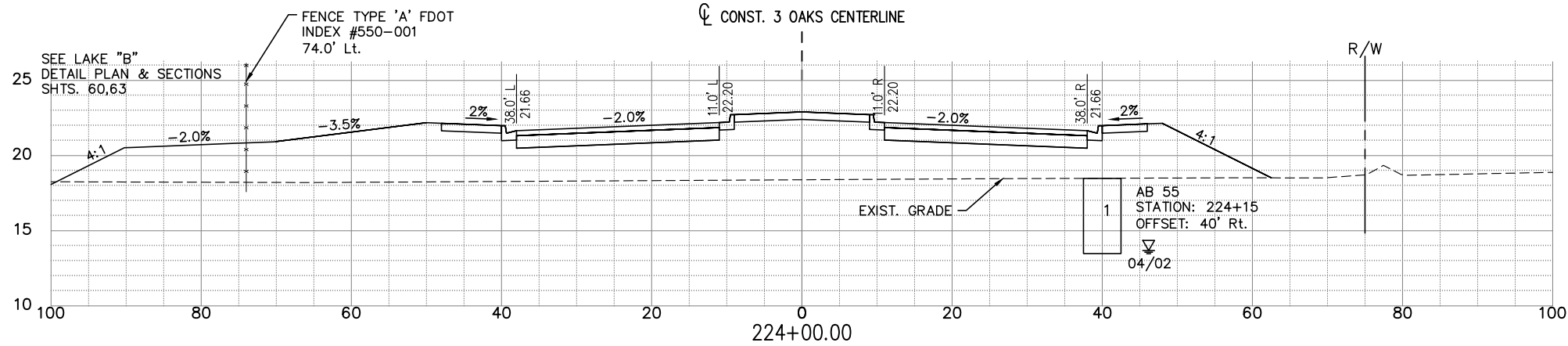
LEE COUNTY DEPARTMENT
OF
TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
95 of 132

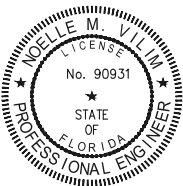
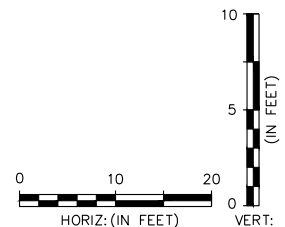
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NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.

SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT

EXC		EMB	
A	V	A	V
0	258	376	111108
0	258	384	109700
0	258	449	108157



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PROJ. MGR. Noelle M. Vilim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

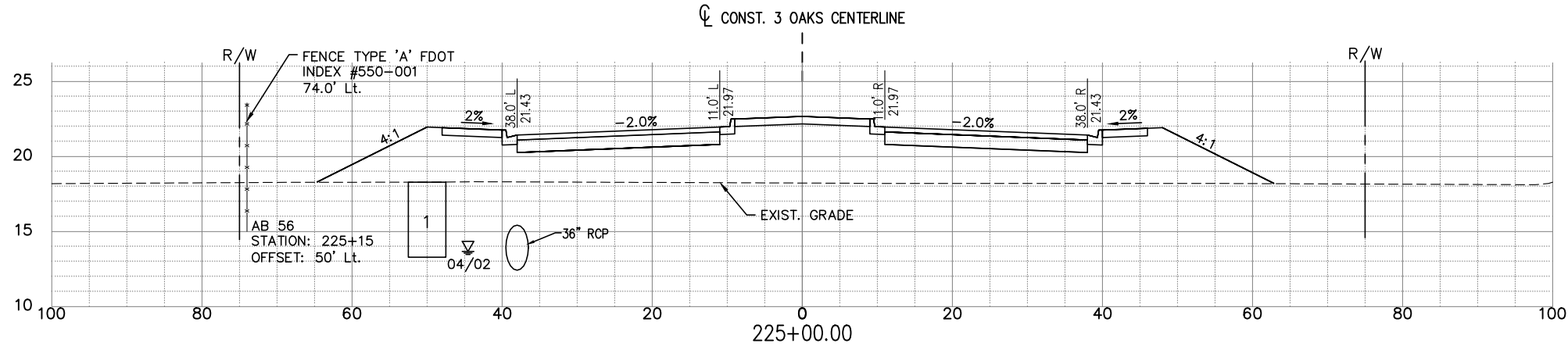
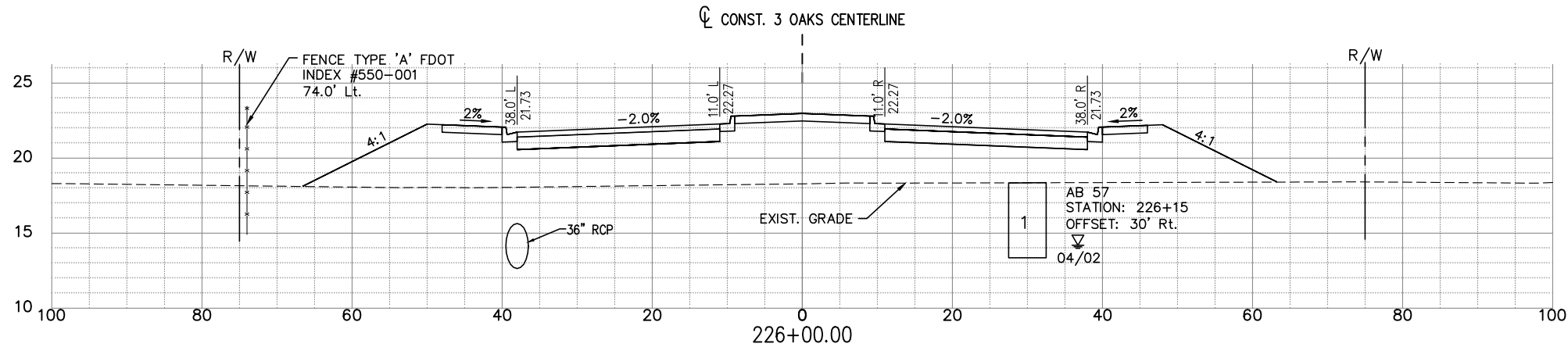
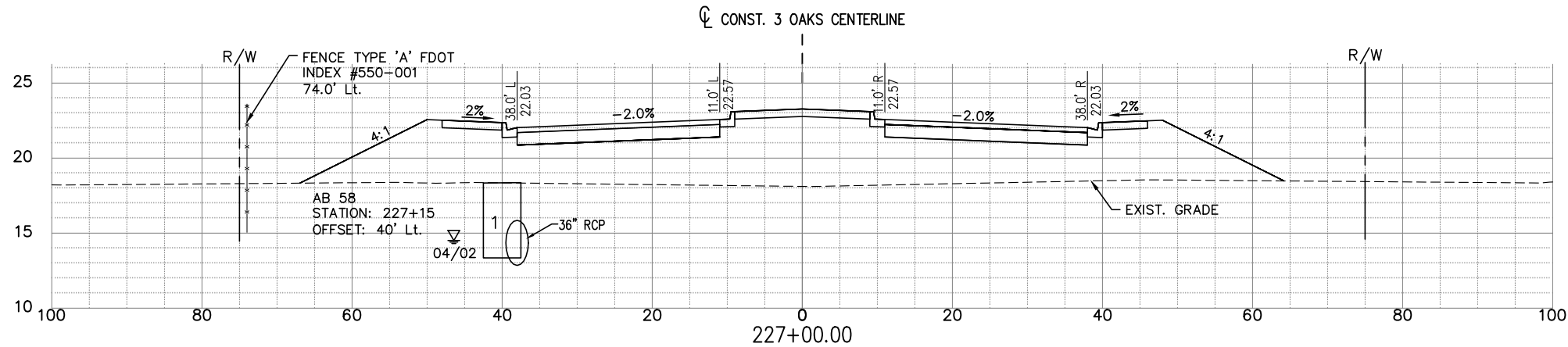
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
97 of 132

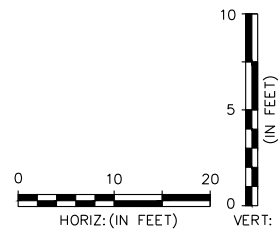
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NOTE:
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SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT

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0	258	369	113705
0	258	329	112413



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AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

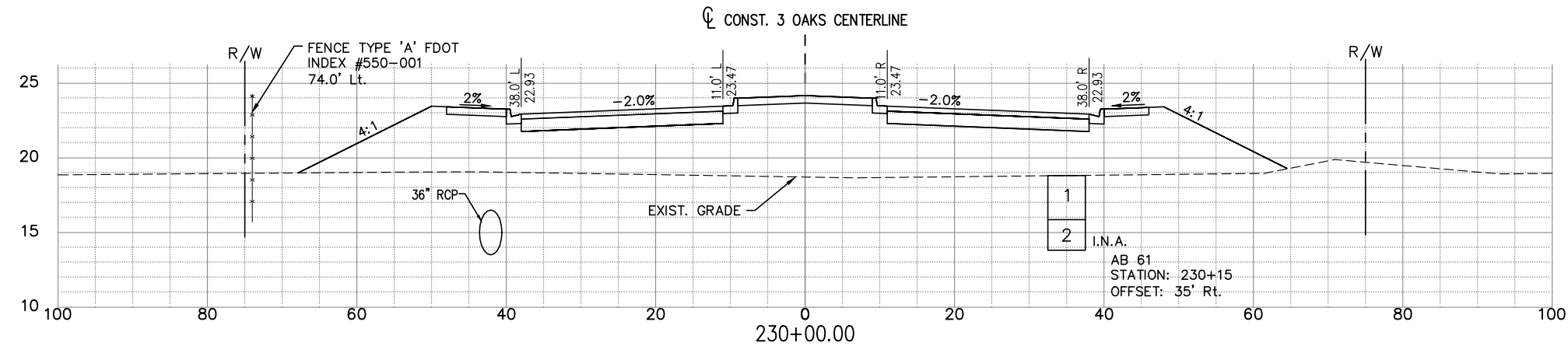
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

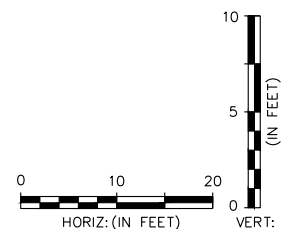
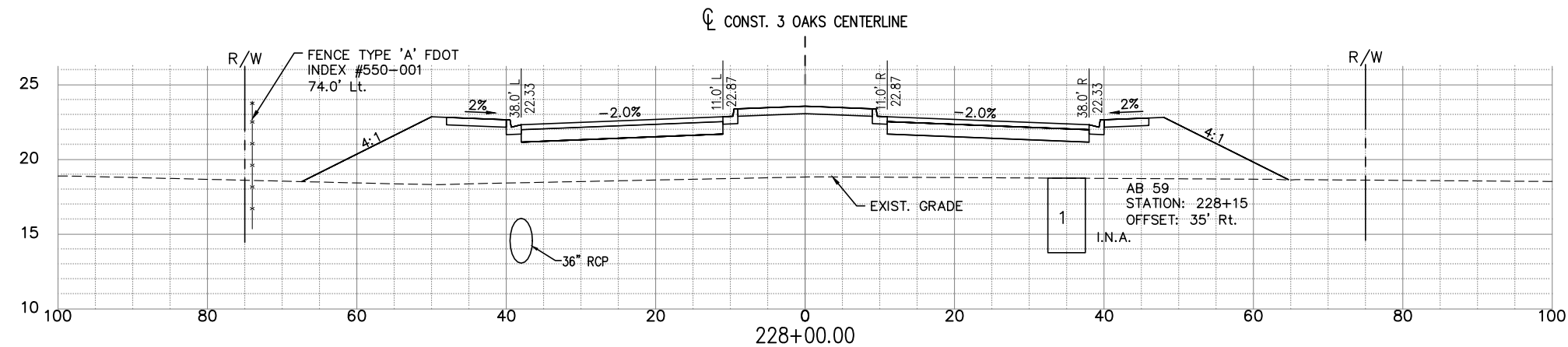
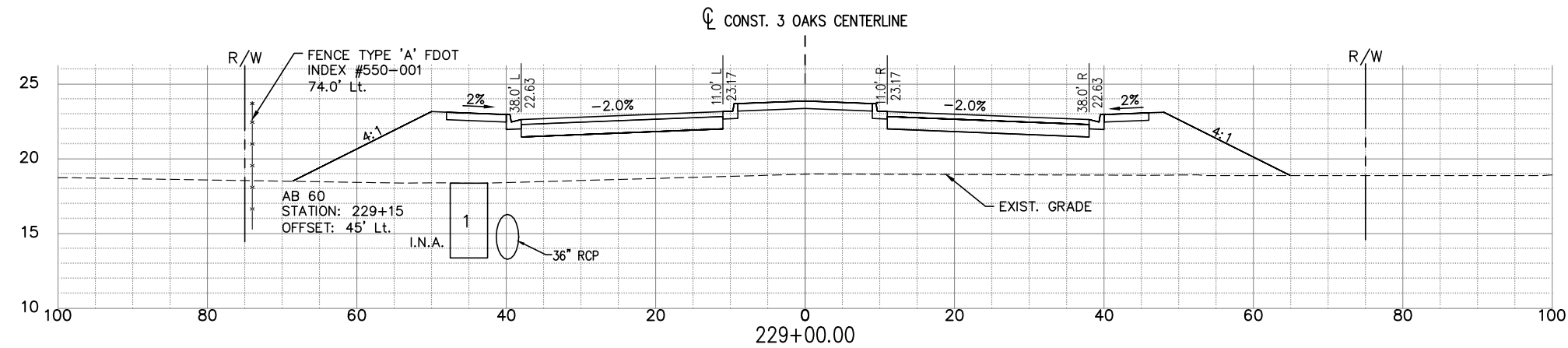
SHEET
98 of 132

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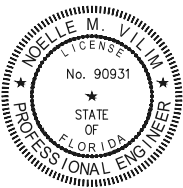


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CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.

SOIL BORING DATA FROM UNIVERSAL
ENGINEERING GEOTECHNICAL REPORT



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0	258	419	118086
0	258	393	116582



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PROJ. MGR. Noelle M. Vilim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

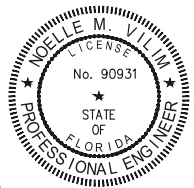
LEE COUNTY DEPARTMENT
OF
TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
99 of 132

P:\CAD\2017\17-372\3-Oaks-Ph1\PILOT PHASE\THREE OAKS XSECT.Dwg 100 ROADWAY CROSS SECTIONS 1/26/2023 12:25:40 PM Avalon Engineering Inc.



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PROJ. MGR. Noelle M. Vilim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

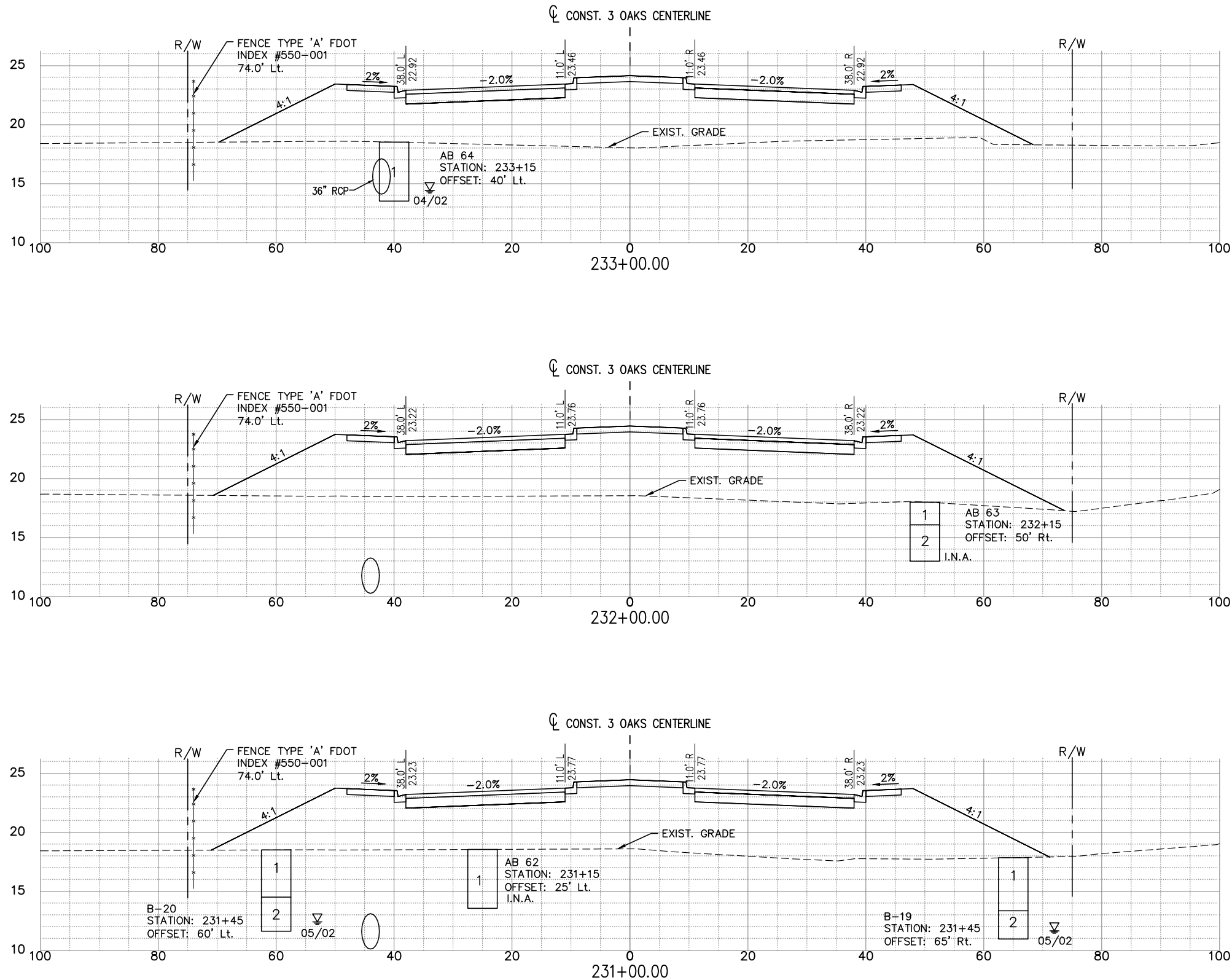
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

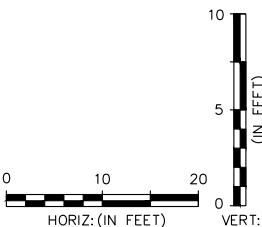
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
100 of 132



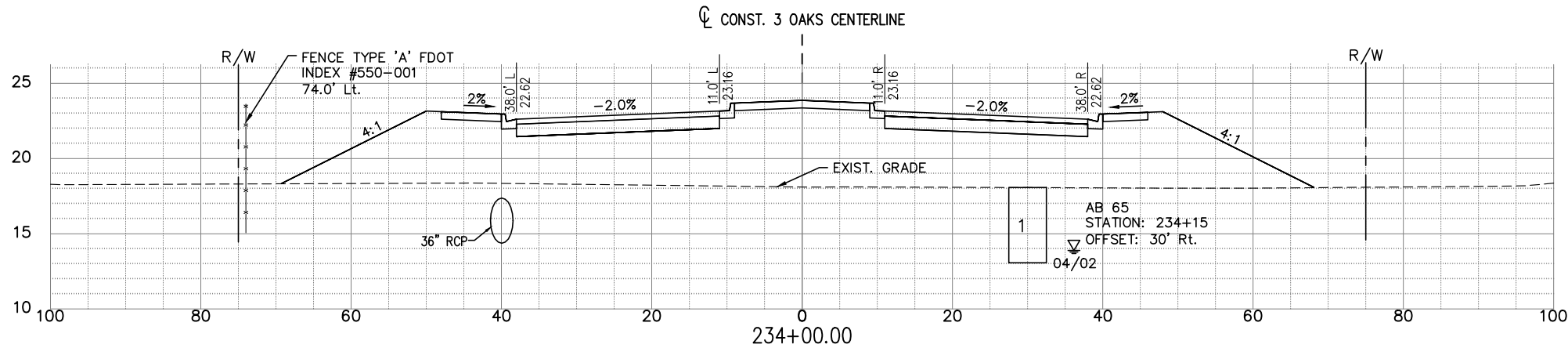
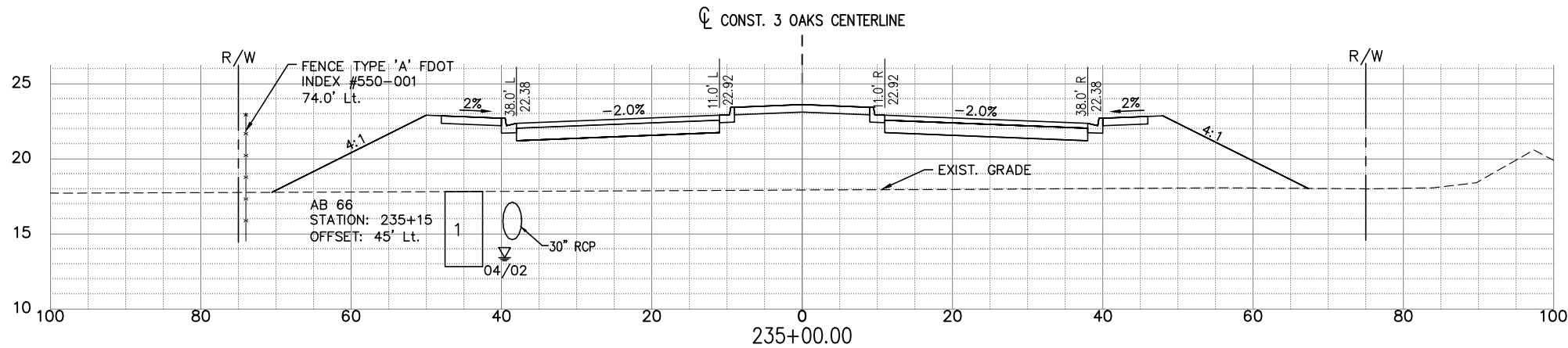
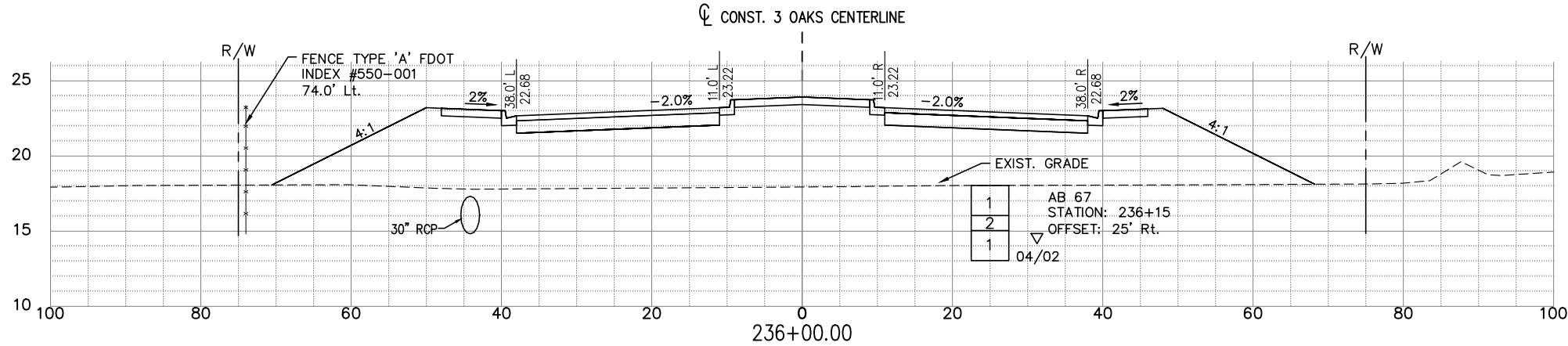
NOTE:
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SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT



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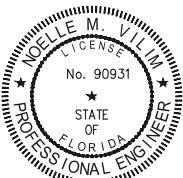
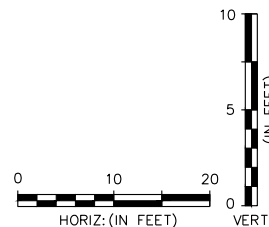
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NOTE:
1.) ALL EXISTING AND PROPOSED GRADES
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CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.

SOIL BORING DATA FROM UNIVERSAL
ENGINEERING GEOTECHNICAL REPORT

EXC		EMB	
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0	258	496	129302
0	258	496	127464



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LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

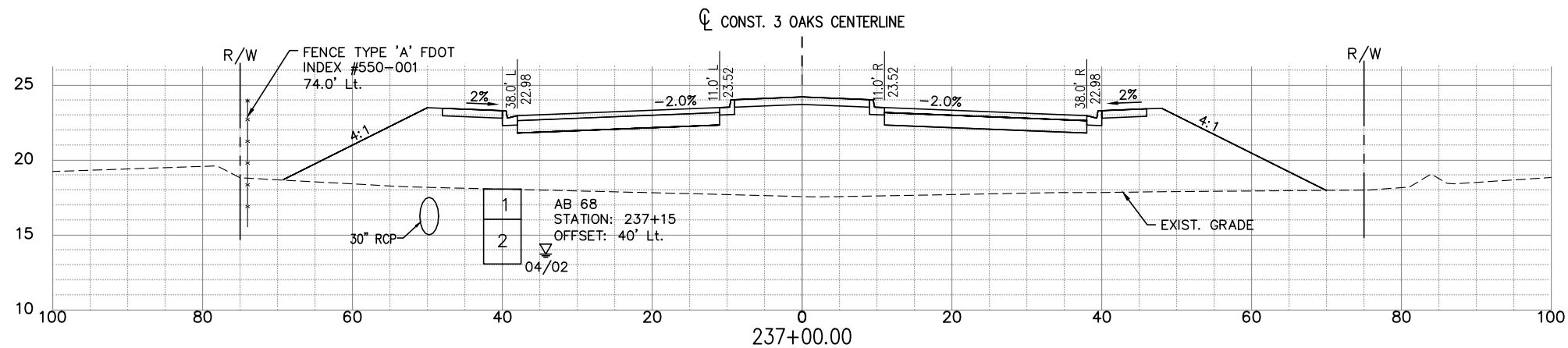
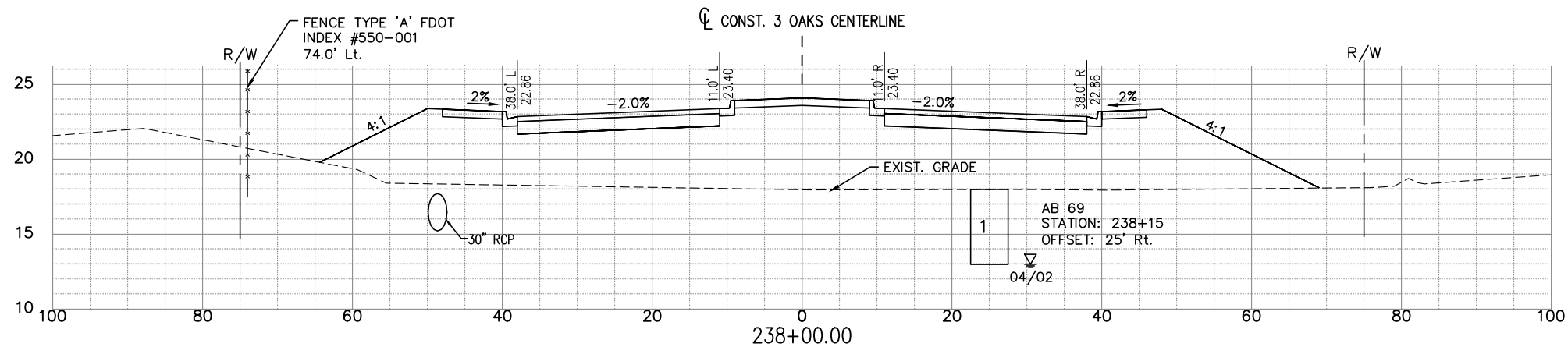
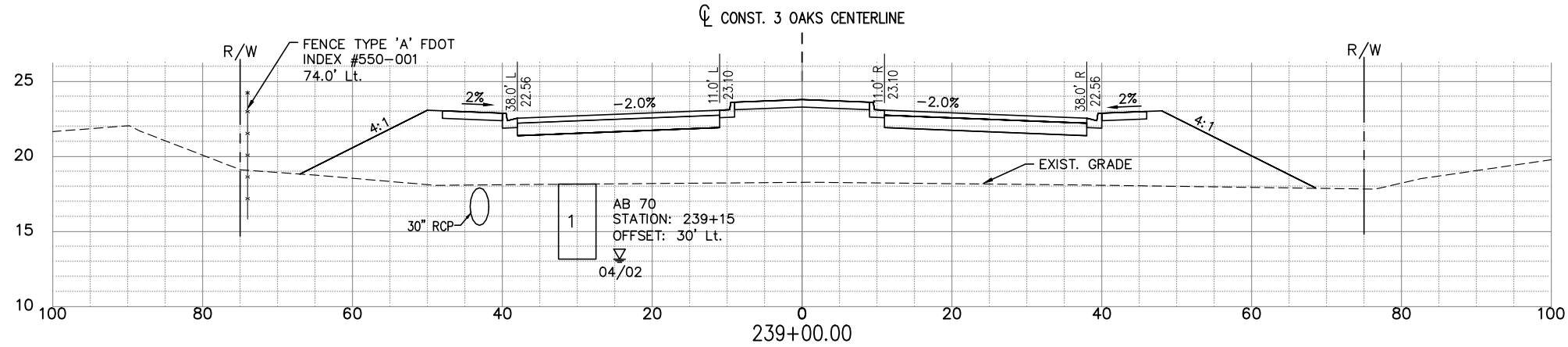
LEE COUNTY DEPARTMENT
OF
TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
101 of 132

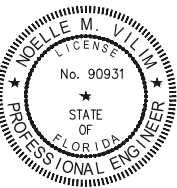
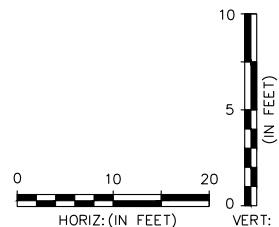
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NOTE:
1.) ALL EXISTING AND PROPOSED GRADES
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CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.

SOIL BORING DATA FROM UNIVERSAL
ENGINEERING GEOTECHNICAL REPORT

EXC		EMB	
A	V	A	V
0	258	485	137184
0	258	526	135313
0	258	581	133264



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LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

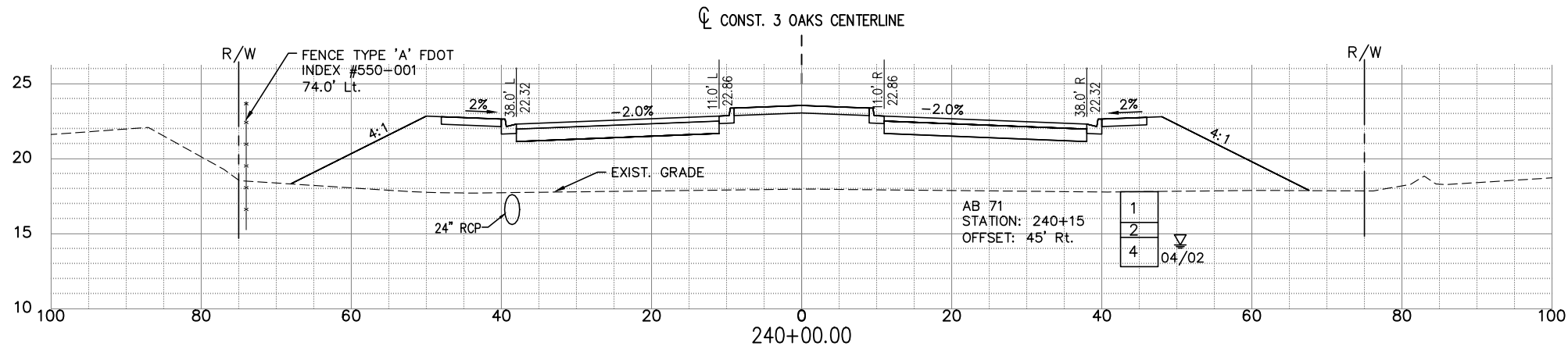
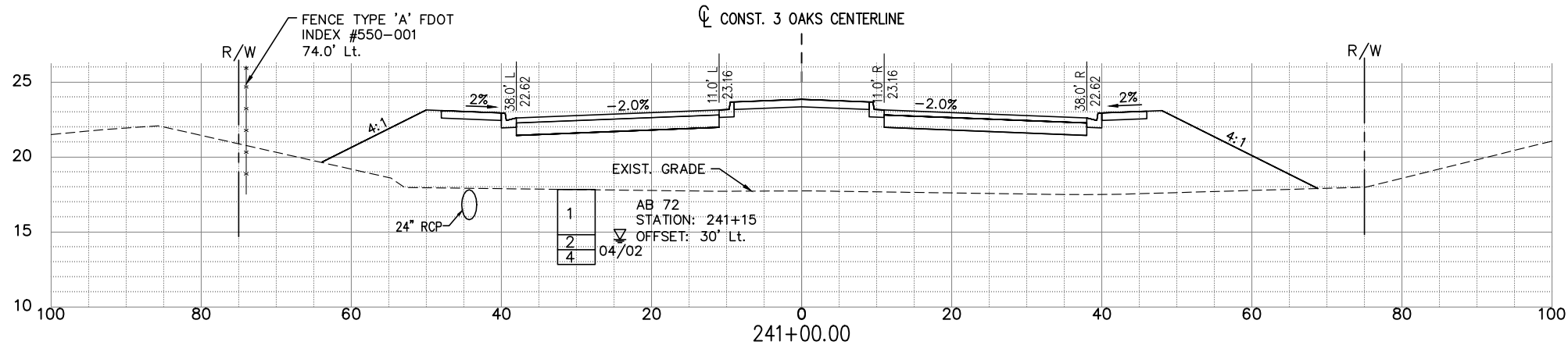
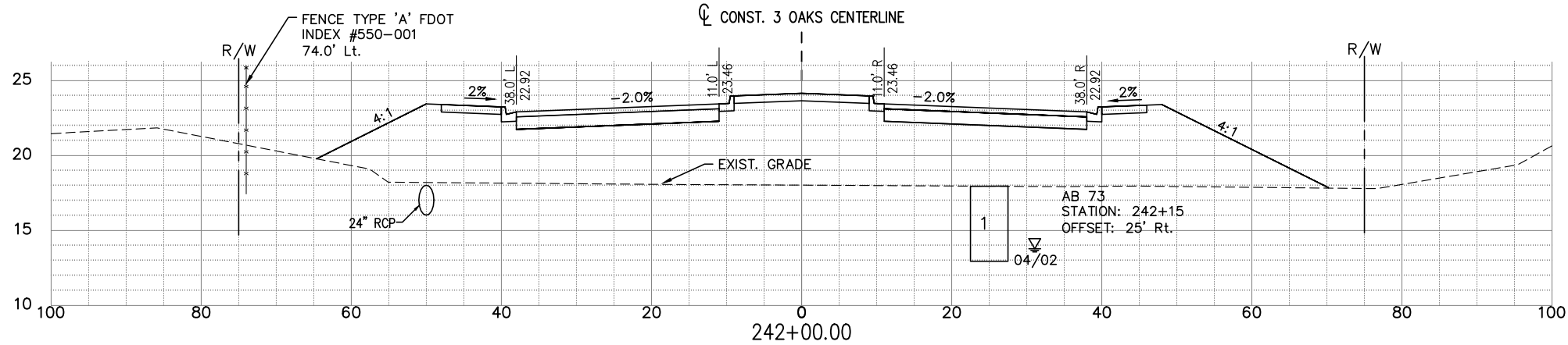
LEE COUNTY DEPARTMENT
OF
TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
102 of 132

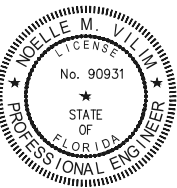
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NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.

SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT

EXC		EMB	
A	V	A	V
0	258	540	142897
0	258	536	140904
0	258	494	138997



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01/26/23	NV	ADDENDUM #1

BID SET PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Noelle M. Vilim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

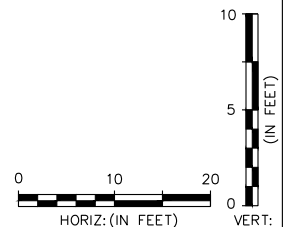
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

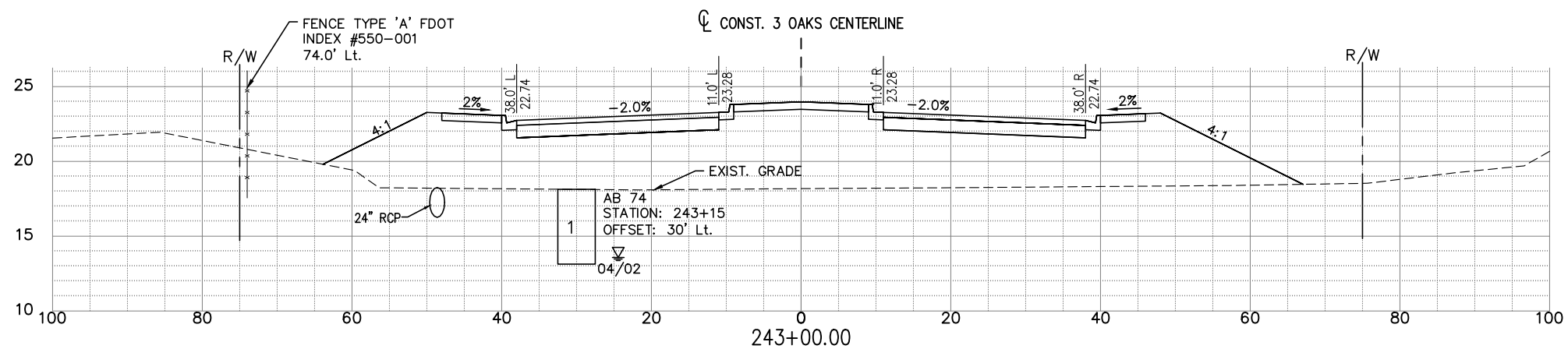
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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LEE COUNTY, FLORIDA

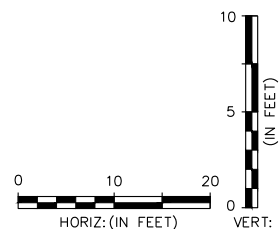
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THREE OAKS PKWY EXT.

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103 of 132





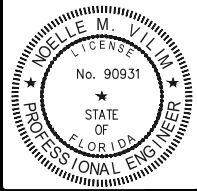
SOIL BORING DATA FROM UNIVERSAL
 ENGINEERING GEOTECHNICAL REPORT



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0	258	491	144808

SHEET
104 of 132

P:\CAD\2017\17-372\3-Oaks-Ph1\PILOT_PHASE1THREE OAKS XSECT.Dwg 105 ROADWAY CROSS SECTIONS 1/26/2023 12:27:20 PM Avalon Engineering Inc.



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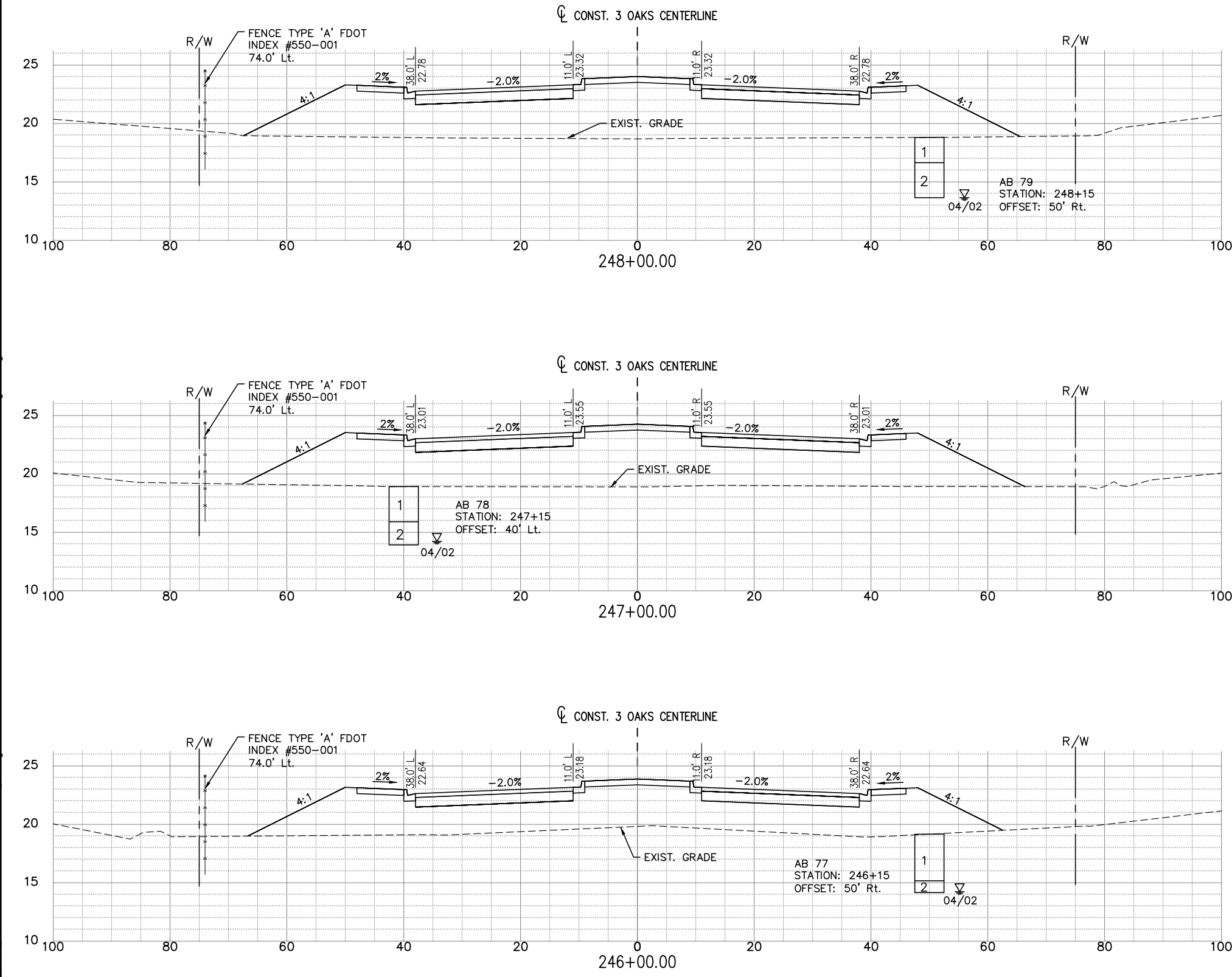
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

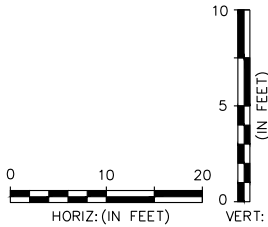
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
105 of 132



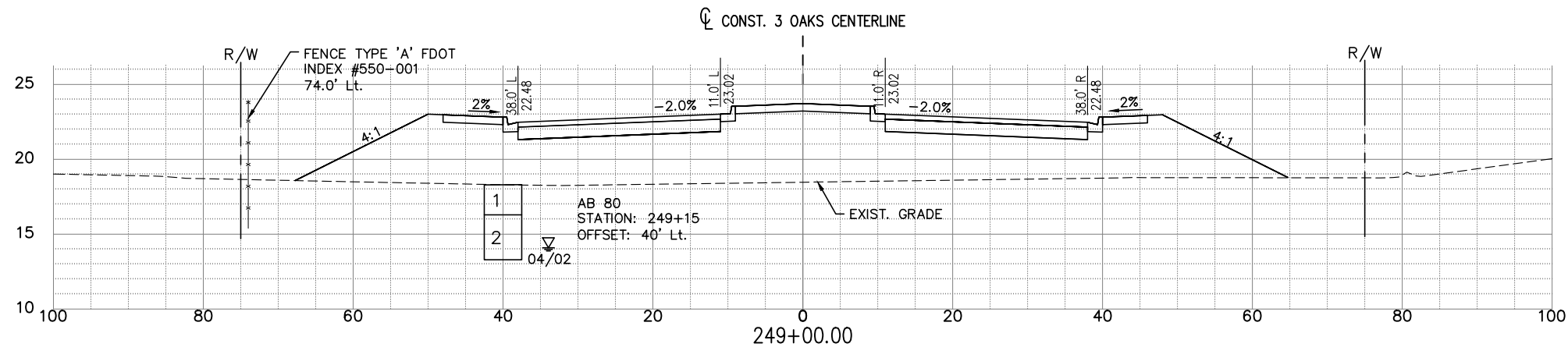
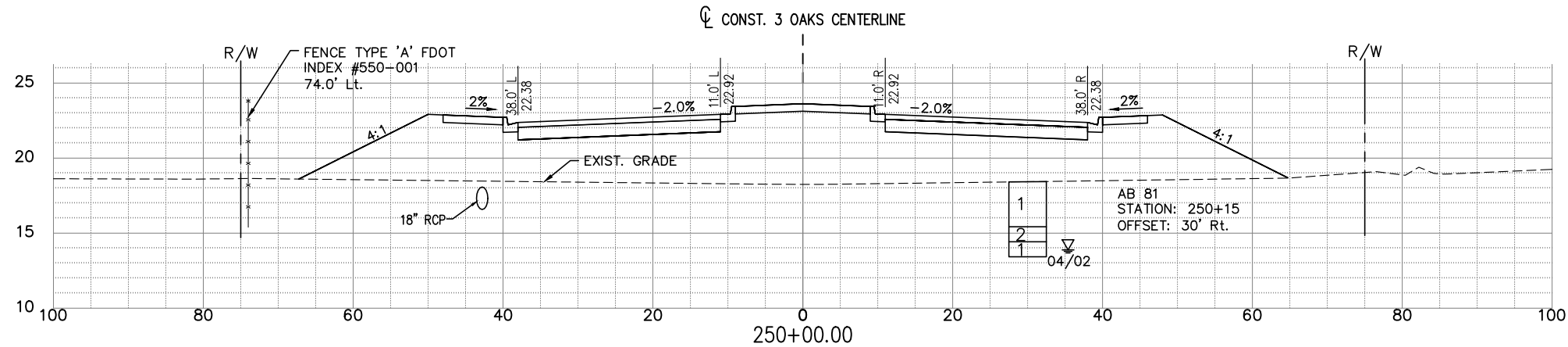
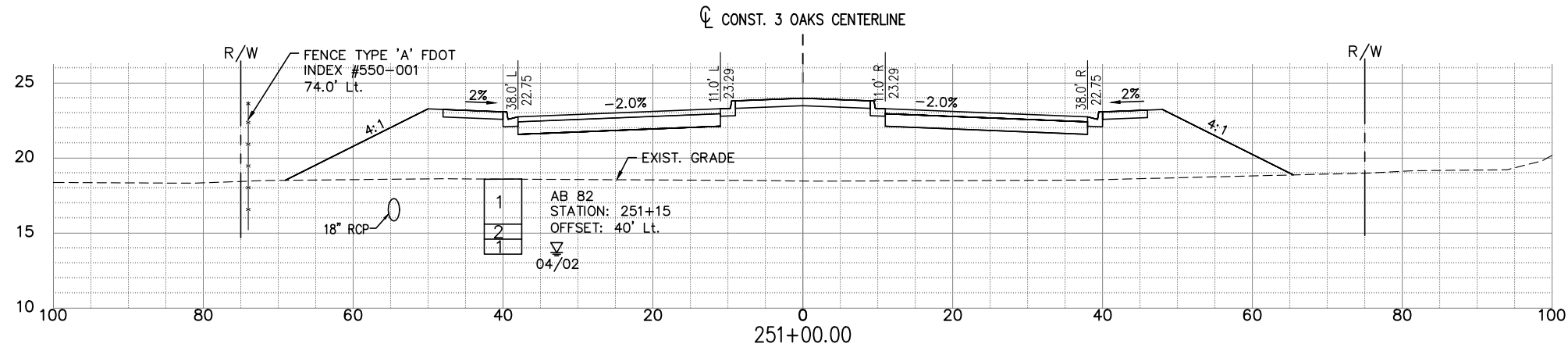
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SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT



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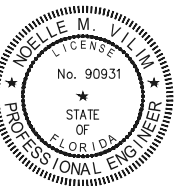
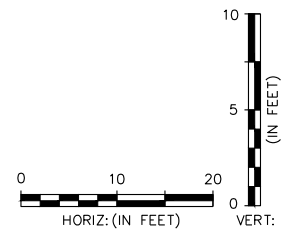
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NOTE:
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SOIL BORING DATA FROM UNIVERSAL
ENGINEERING GEOTECHNICAL REPORT

EXC		EMB	
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0	258	430	153802



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LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

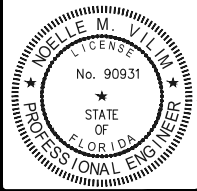
LEE COUNTY DEPARTMENT
OF
TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
106 of 132

P:\CAD\2017\17-372\3-Oaks-Ph1\PILOT PHASE\THREE OAKS XSECT E.dwg 107 ROADWAY CROSS SECTIONS 1/26/2023 12:28:43 PM Avalon Engineering, Inc.



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LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
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CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

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(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

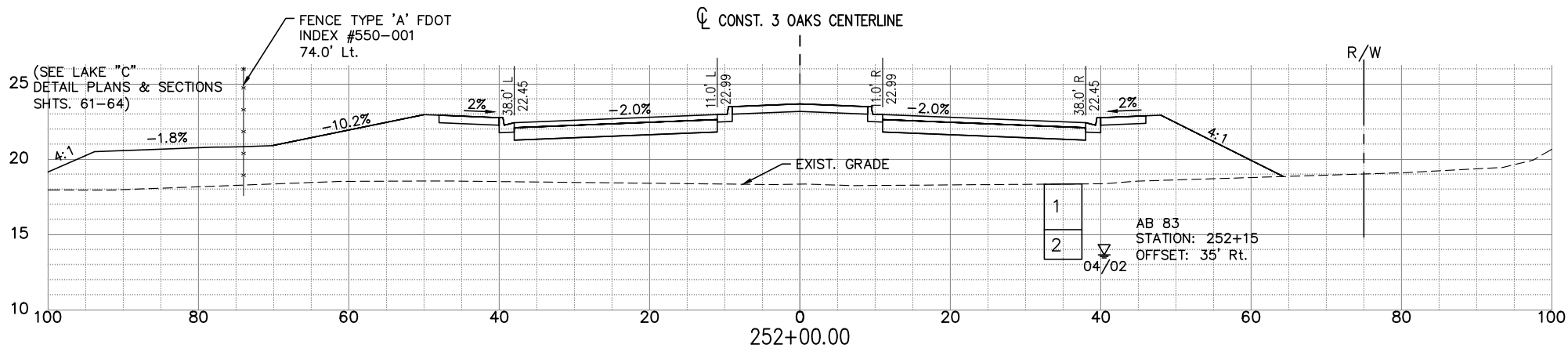
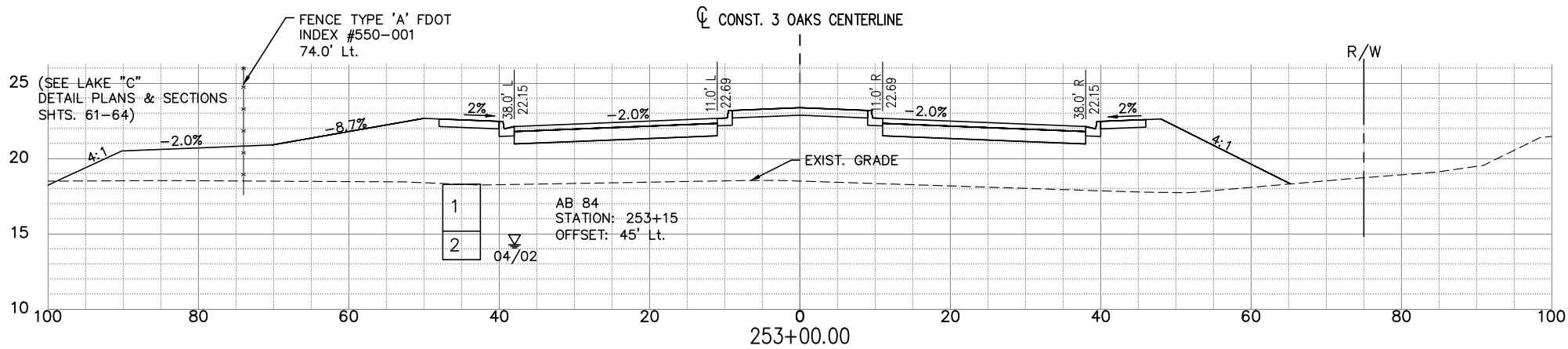
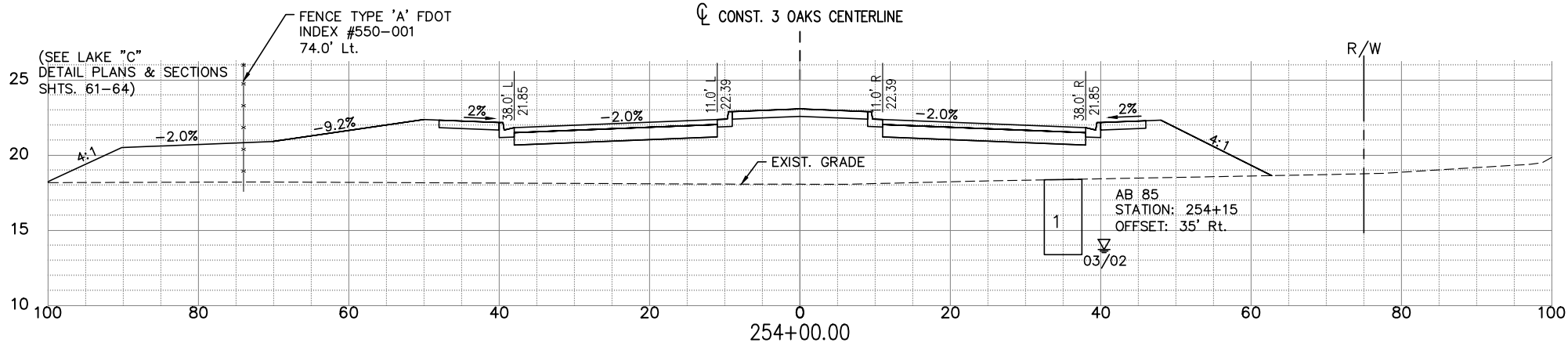
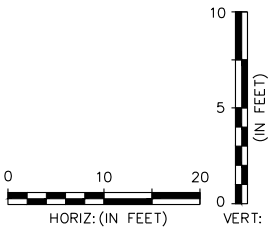
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

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107 of 132

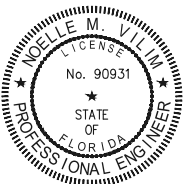
NOTE:
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SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT

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0	258	451	160432
0	258	463	158739



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT PHASE\THREE OAKS XSECT E.dwg 108 ROADWAY CROSS SECTIONS 1/26/2023 12:29:05 PM Avalon Engineering, Inc.



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AVALON PROJECT: 17-372
PROJ. MGR. Noelle M. Vilim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

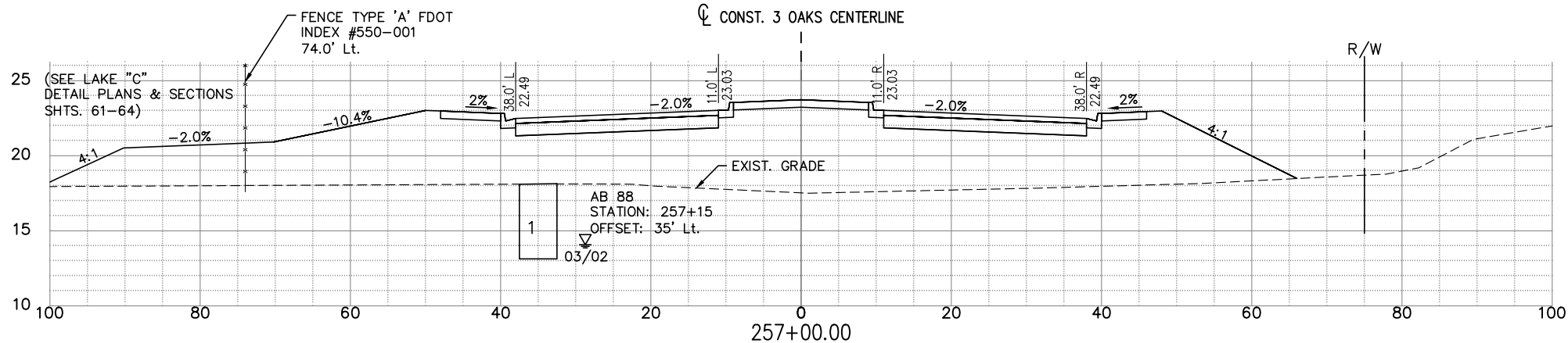
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

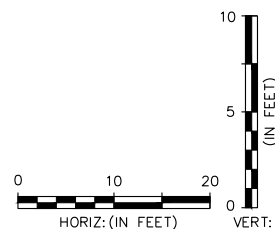
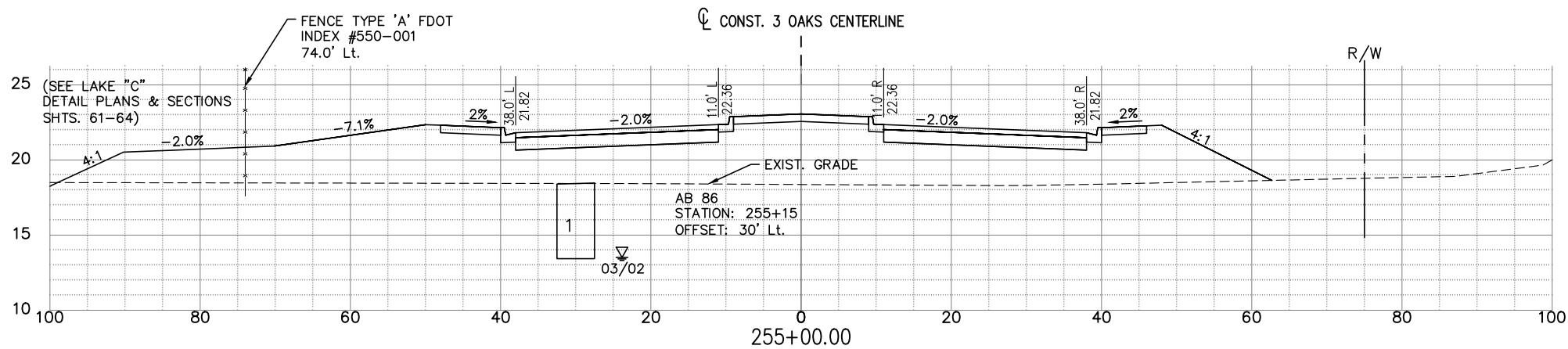
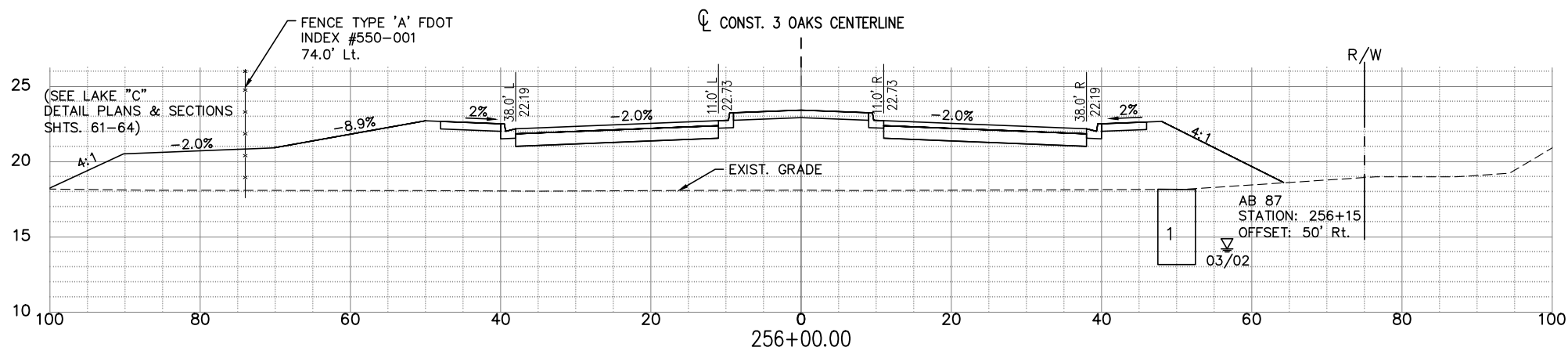
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
108 of 132



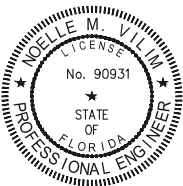
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SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT



EXC		EMB	
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0	258	476	165140
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P:\CAD\2017\17-372\3-Oaks-Pkwy\PILOT PHASE\THREE OAKS XSECT E.dwg 109 ROADWAY CROSS SECTIONS 1/26/2023 12:29:25 PM Avalon Engineering, Inc.



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AVALON PROJECT: 17-372
PROJ. MGR. Noelle M. Vilim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

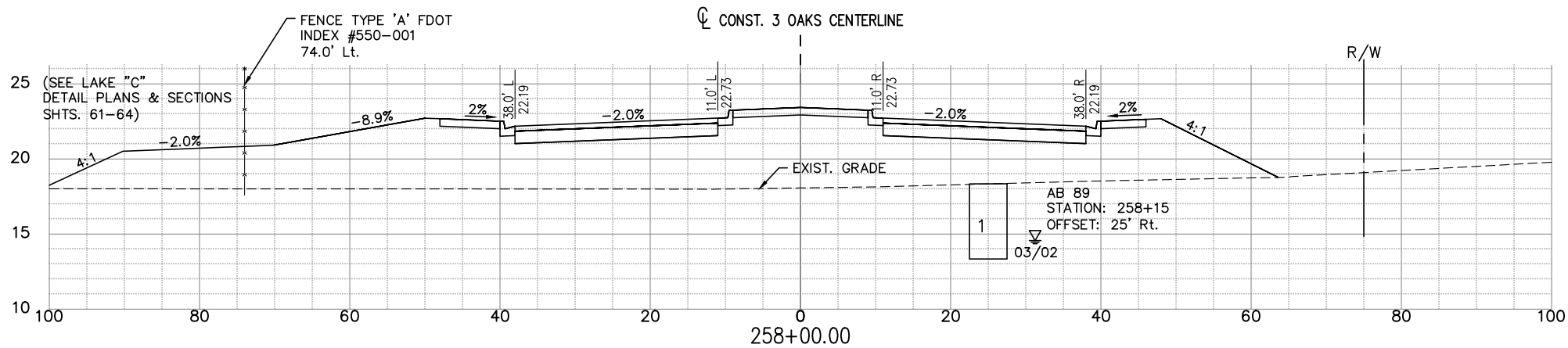
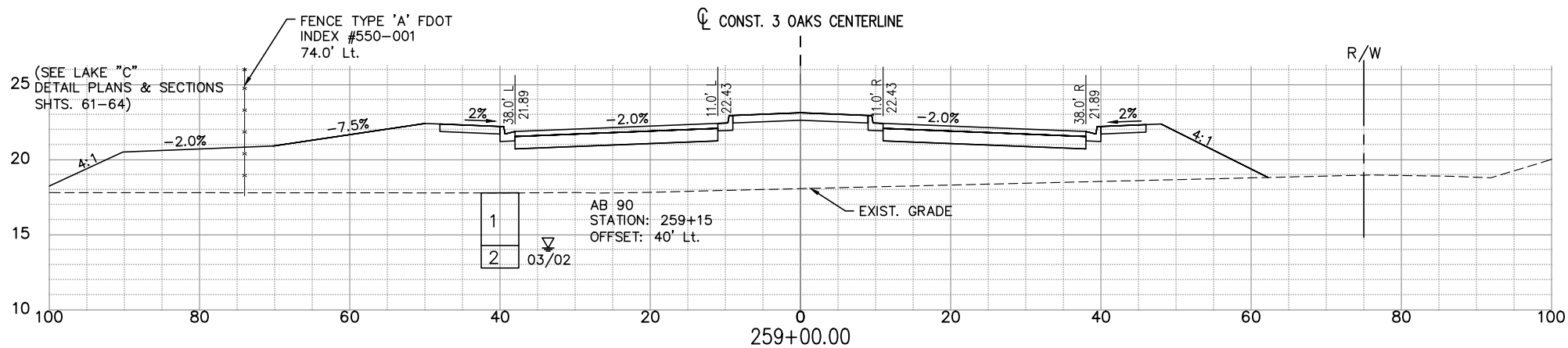
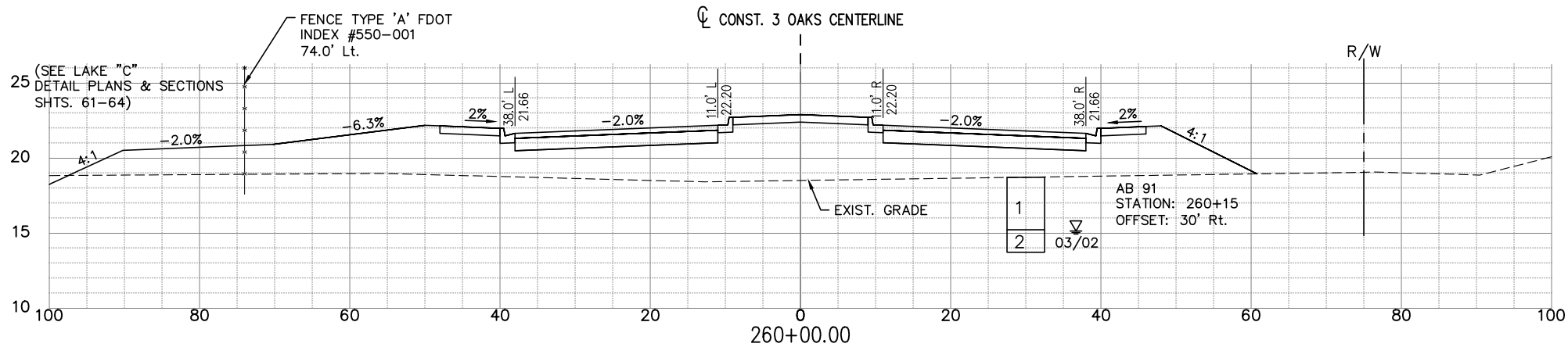
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

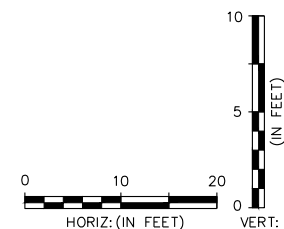
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
109 of 132



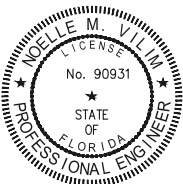
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SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT



EXC		EMB	
A	V	A	V
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0	258	437	170542
0	258	464	168874

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LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
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CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

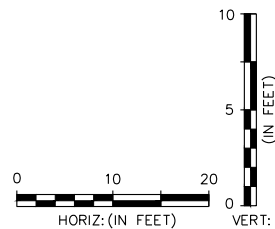
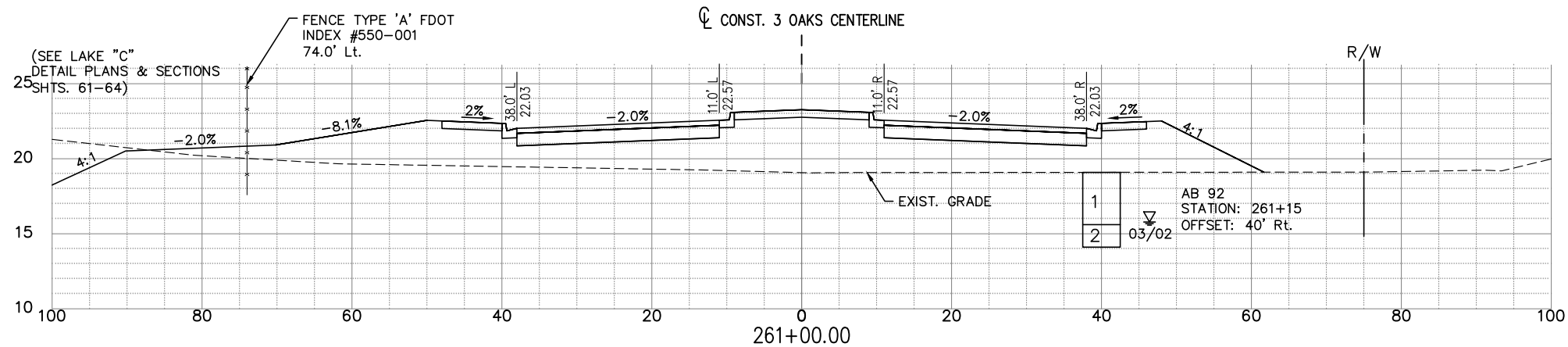
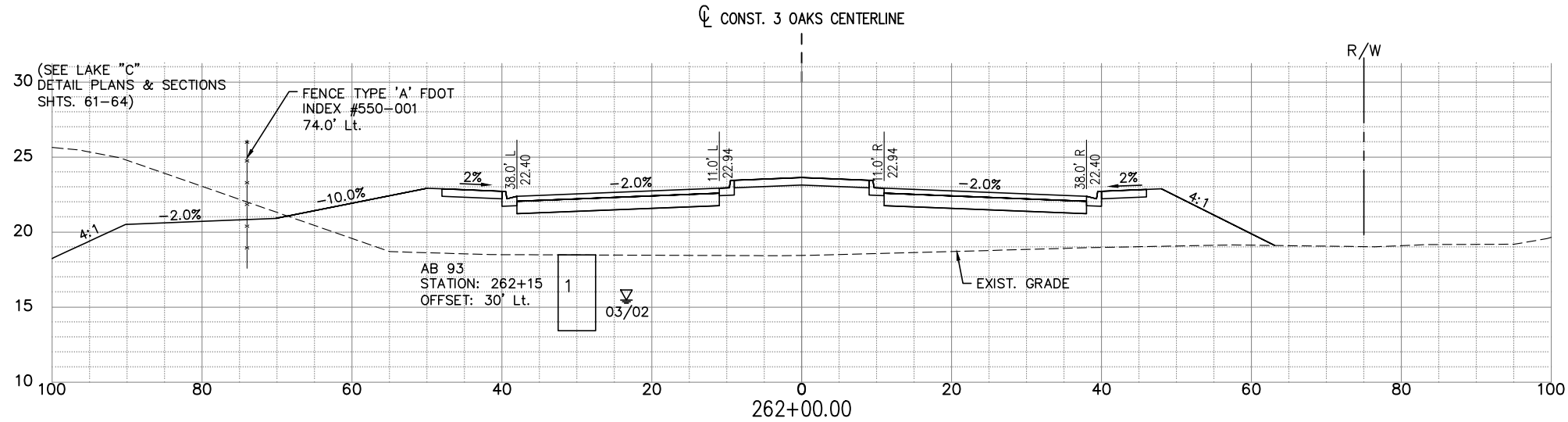
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
110 of 132

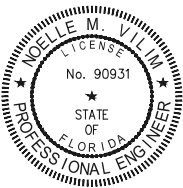
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SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT



EXC		EMB	
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0	258	302	173132

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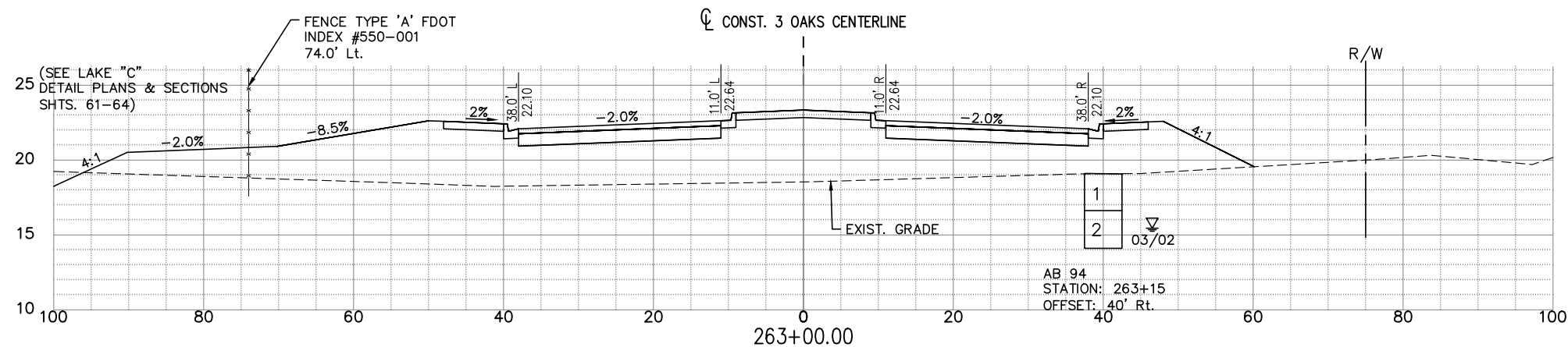
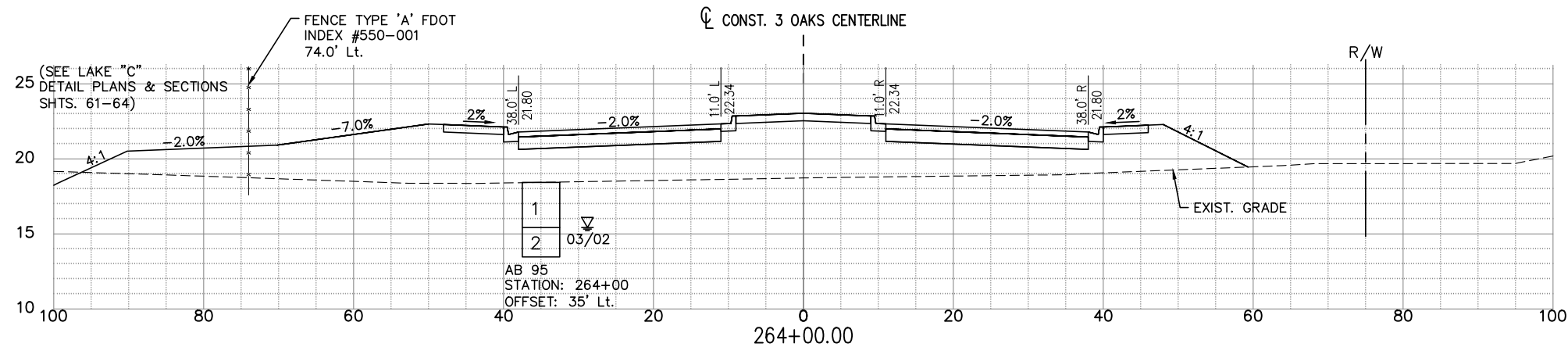
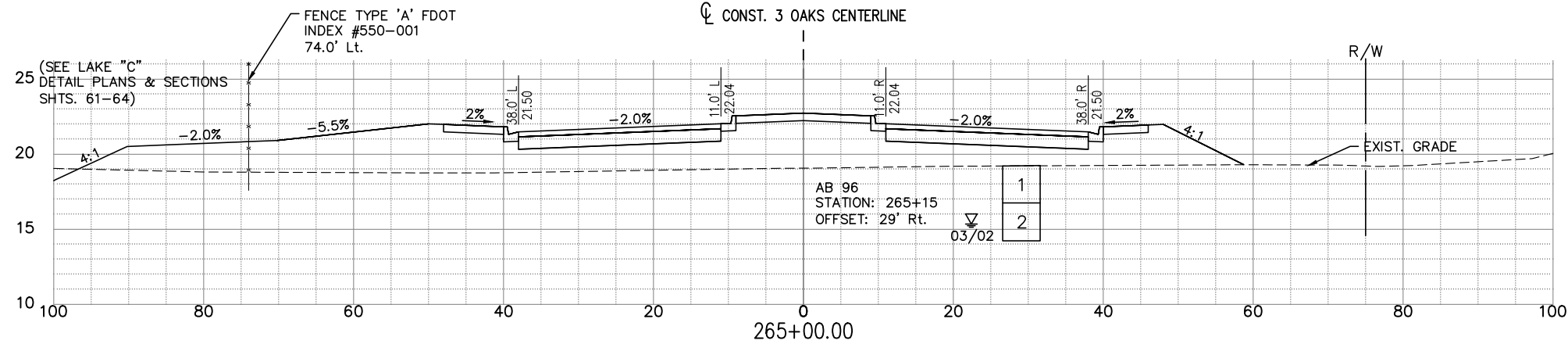
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
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PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

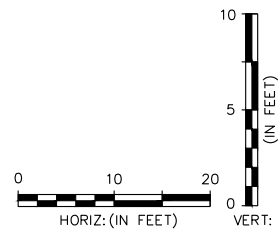
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
111 of 132



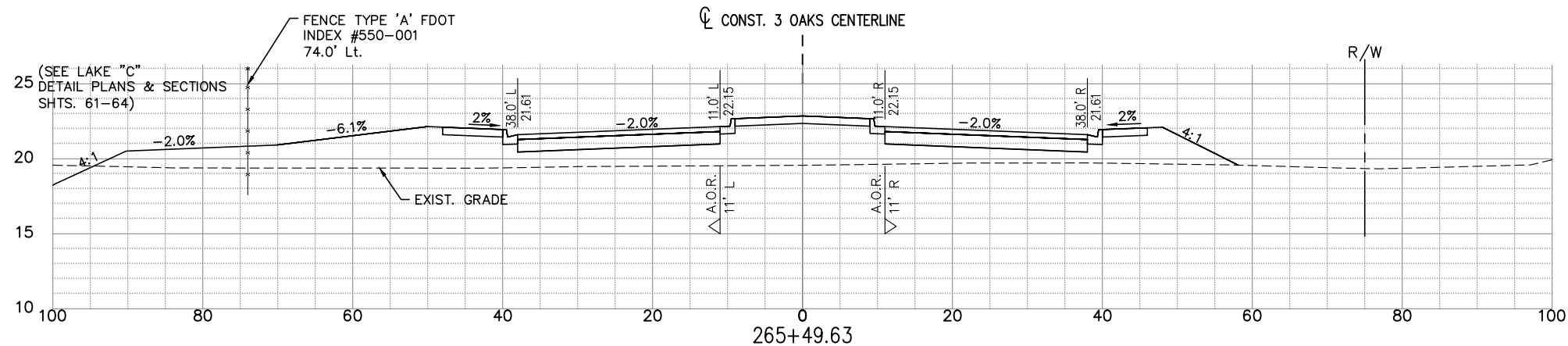
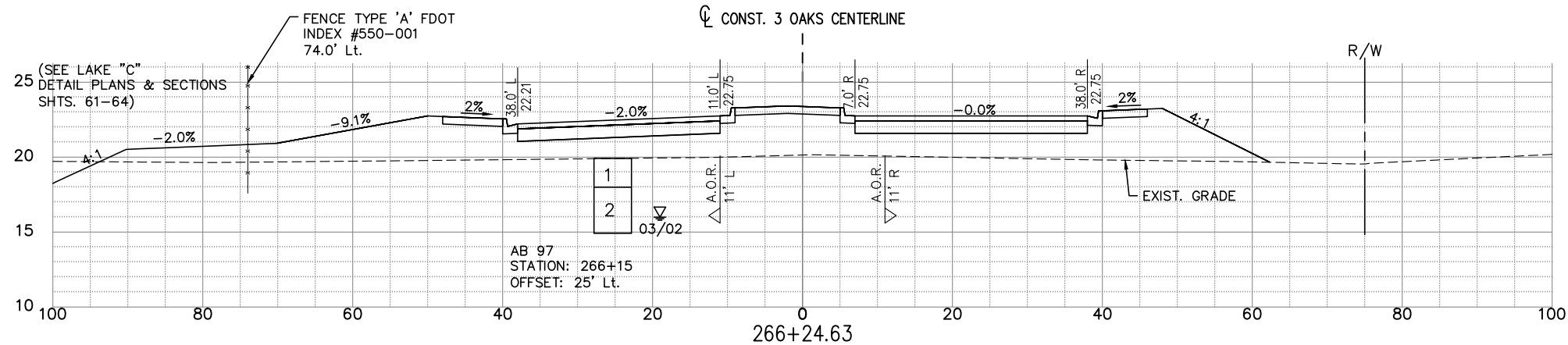
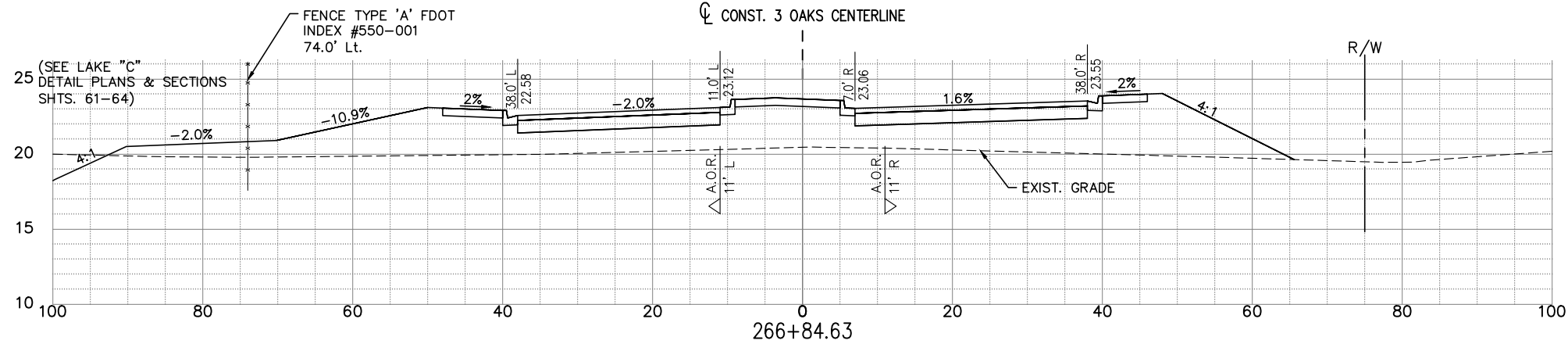
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SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT



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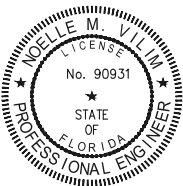
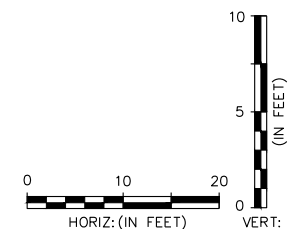
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SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT

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0	260	260	179513
0	260	217	178851



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DATE	BY	REVISION DESCRIPTION
01/26/23	NV	ADDENDUM #1

BID SET PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Noelle M. Vilim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

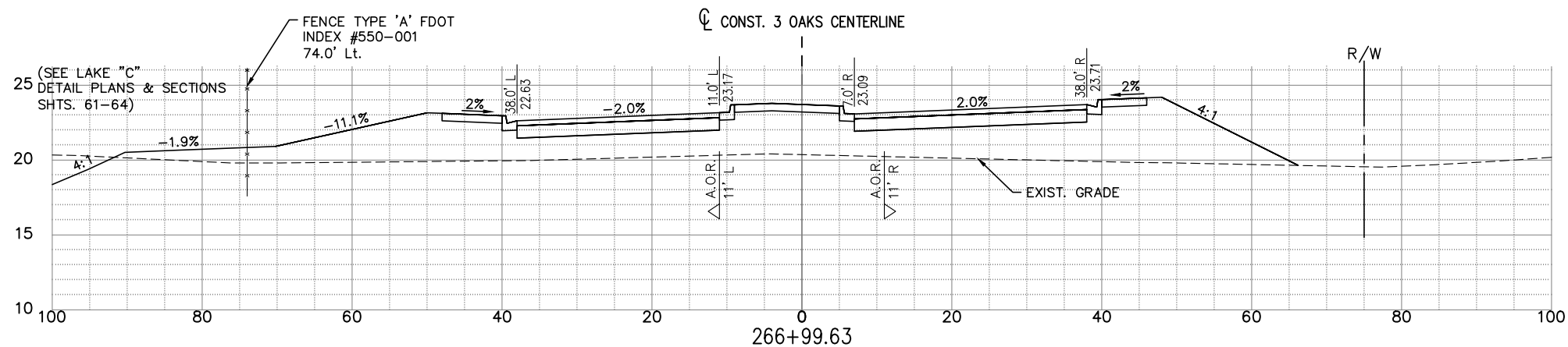
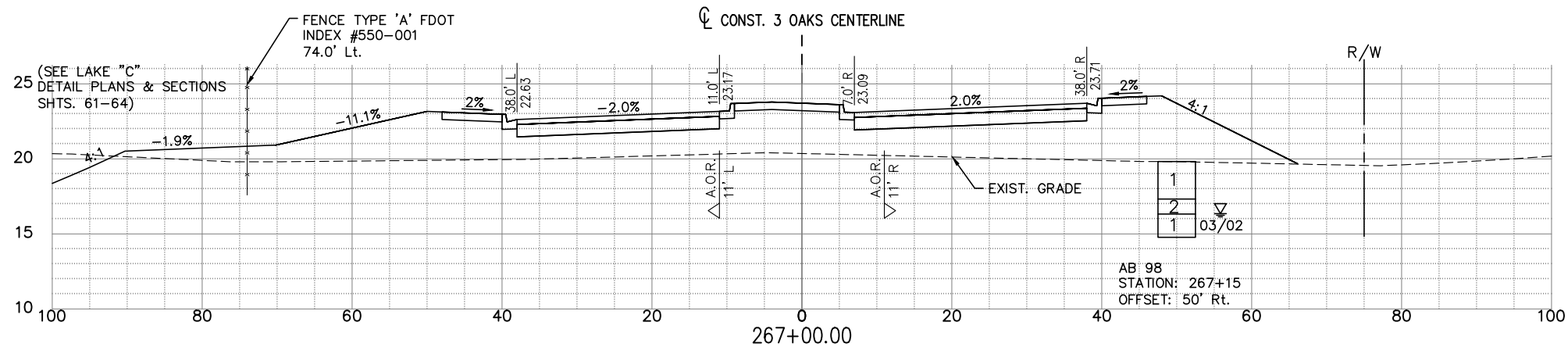
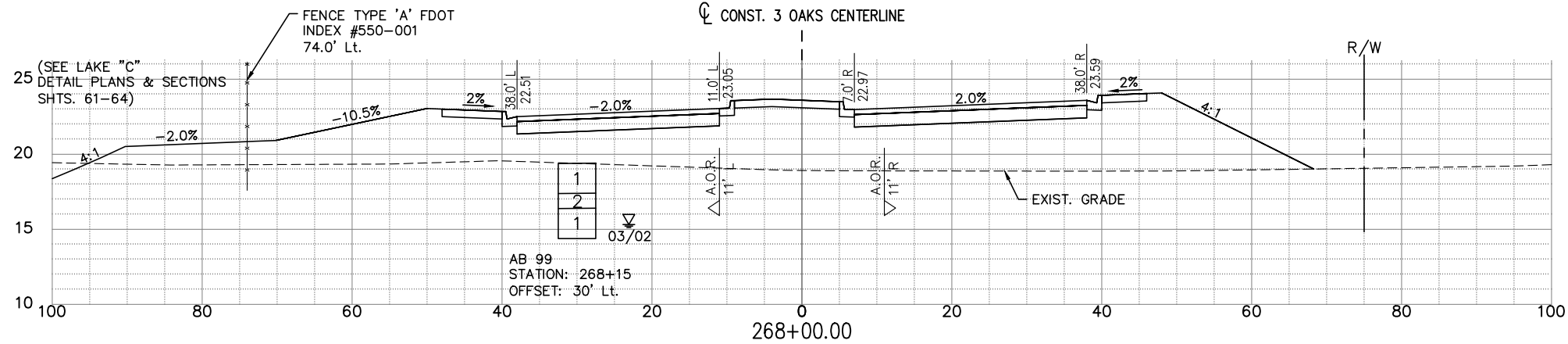
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
112 of 132

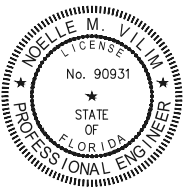
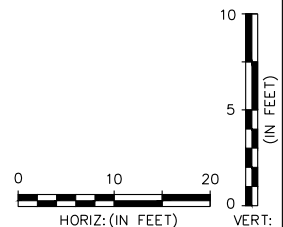
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NOTE:
1.) ALL EXISTING AND PROPOSED GRADES
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CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.

SOIL BORING DATA FROM UNIVERSAL
ENGINEERING GEOTECHNICAL REPORT

EXC		EMB	
A	V	A	V
0	260	422	181661
0	260	312	180300
0	260	311	180296



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LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

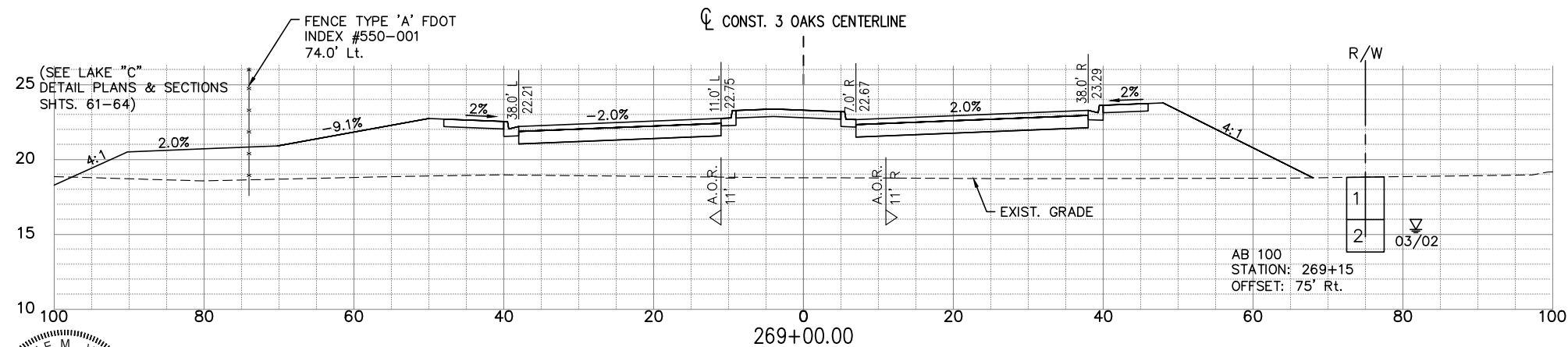
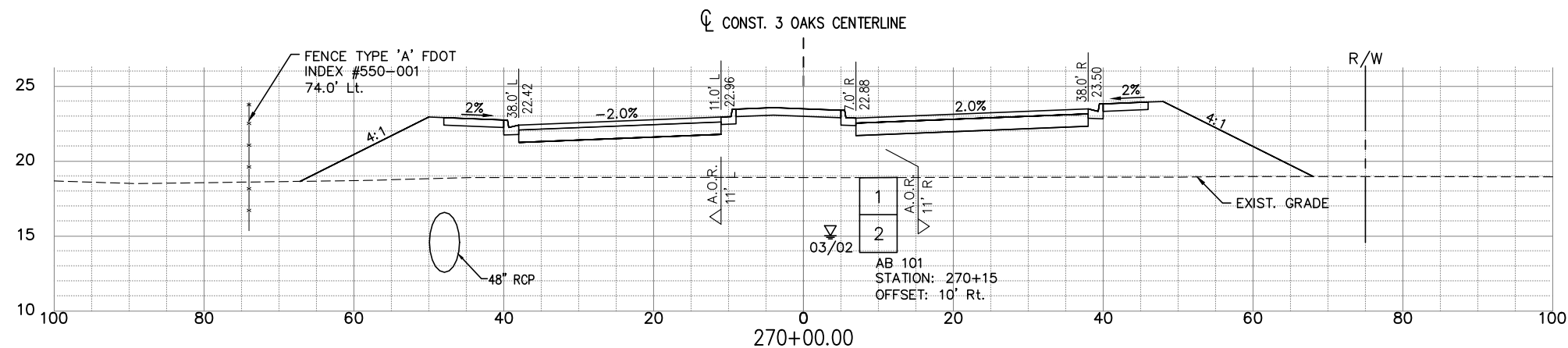
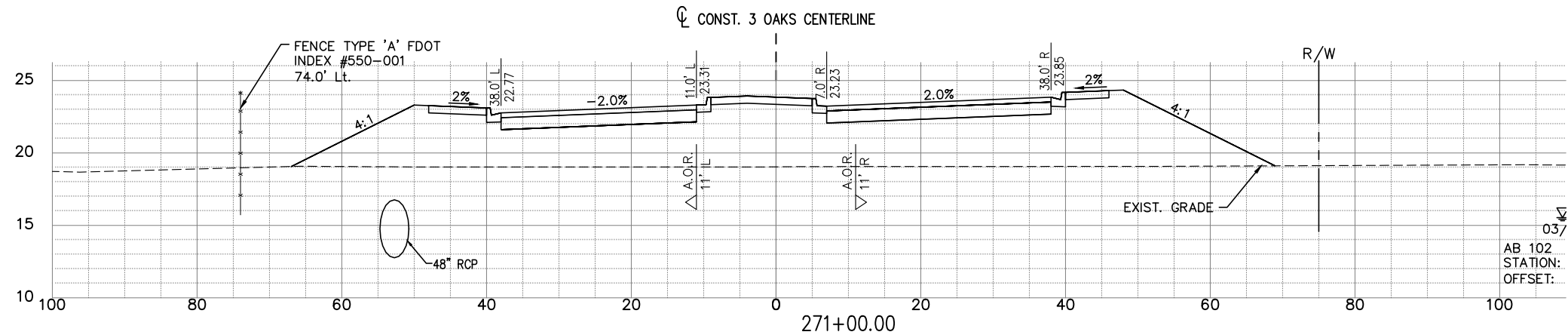
LEE COUNTY DEPARTMENT
OF
TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
113 of 132

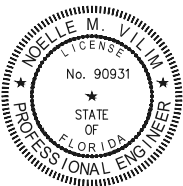
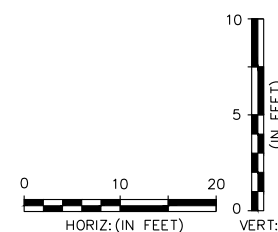
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NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.

SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT

EXC		EMB	
A	V	A	V
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0	260	425	183232



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AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

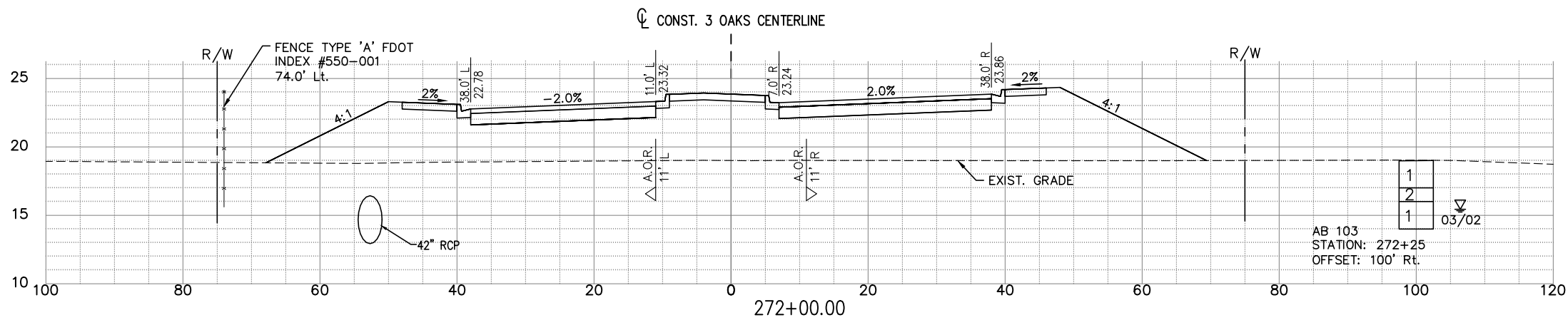
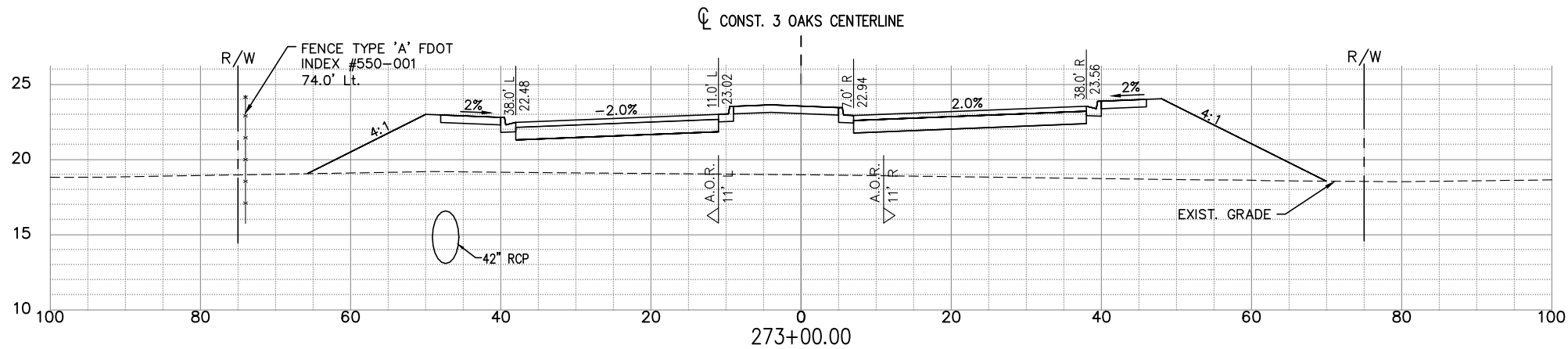
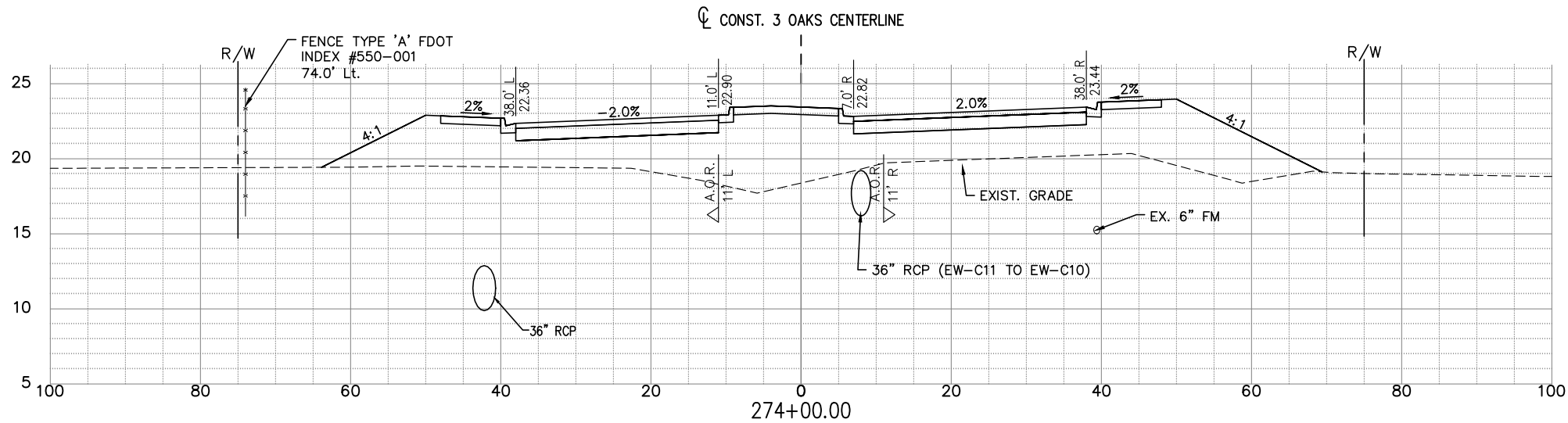
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
114 of 132

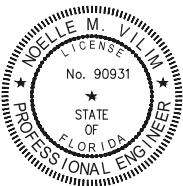
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NOTE:
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SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT

EXC		EMB	
A	V	A	V
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0	260	413	189609
0	260	451	188001



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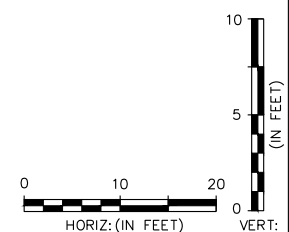
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

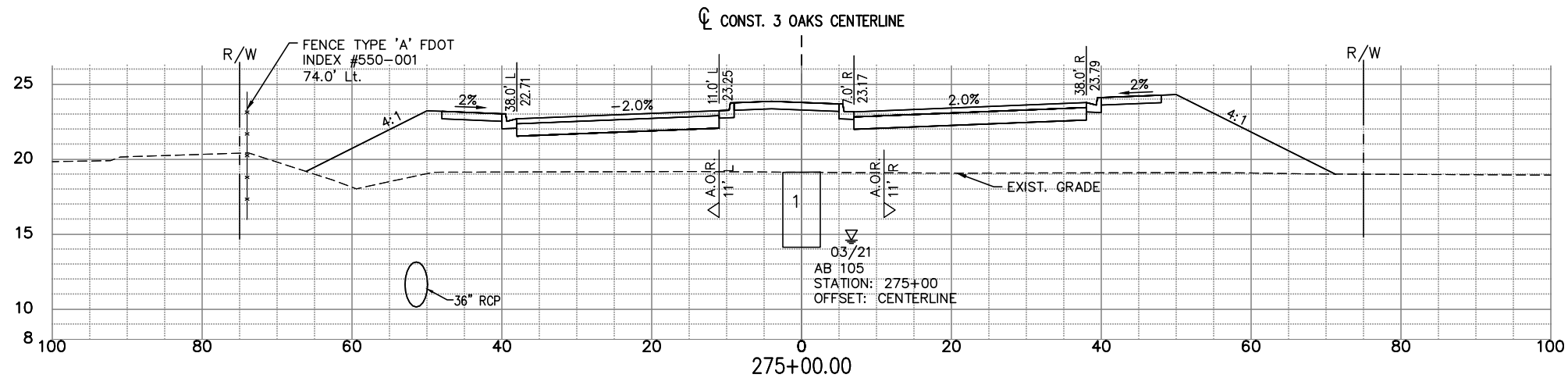
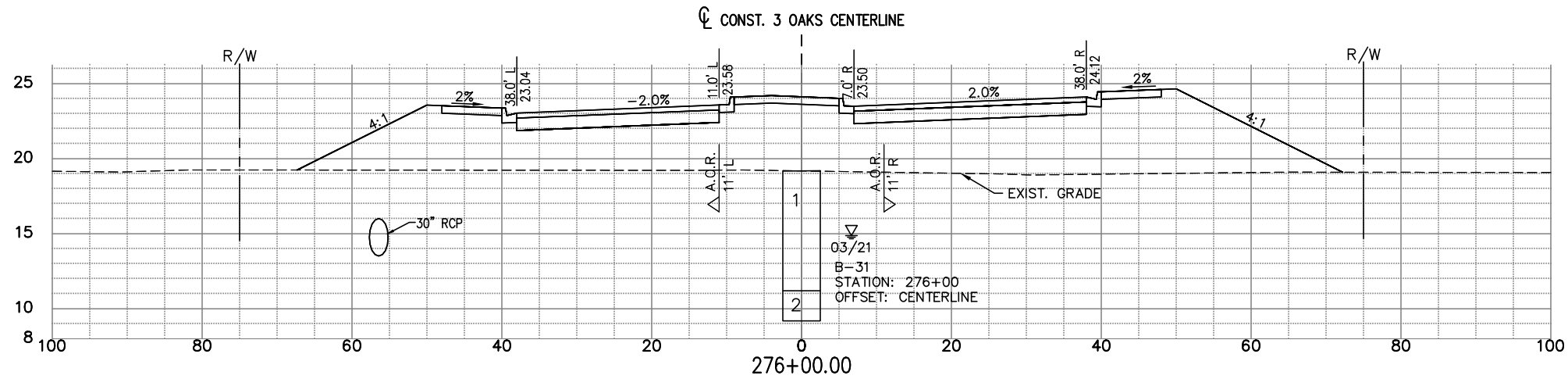
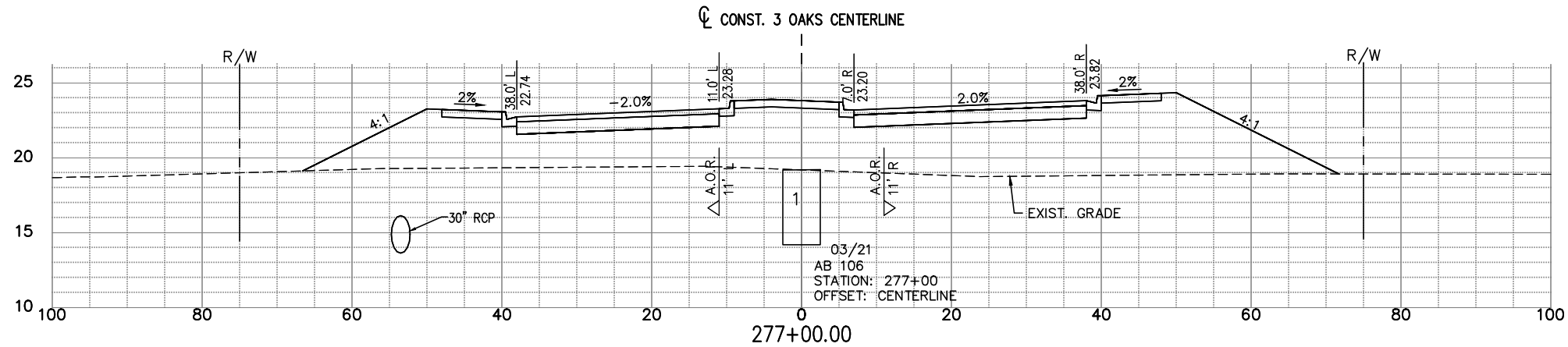
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
115 of 132



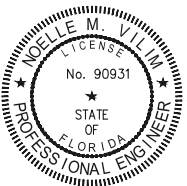
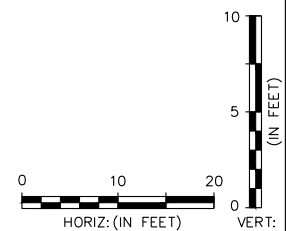
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NOTE:
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SOIL BORING DATA FROM UNIVERSAL
ENGINEERING GEOTECHNICAL REPORT

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0	260	474	194207
0	260	438	192511



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LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

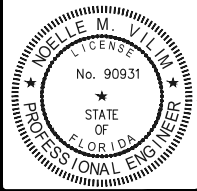
LEE COUNTY DEPARTMENT
OF
TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
116 of 132

P:\CAD\2017\17-372\3-Oaks-Pkwy\117 ROADWAY CROSS SECTIONS 1/26/2023 12:33:13 PM Avalon Engineering, Inc.



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PROJ. MGR. Noelle M. Vilim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

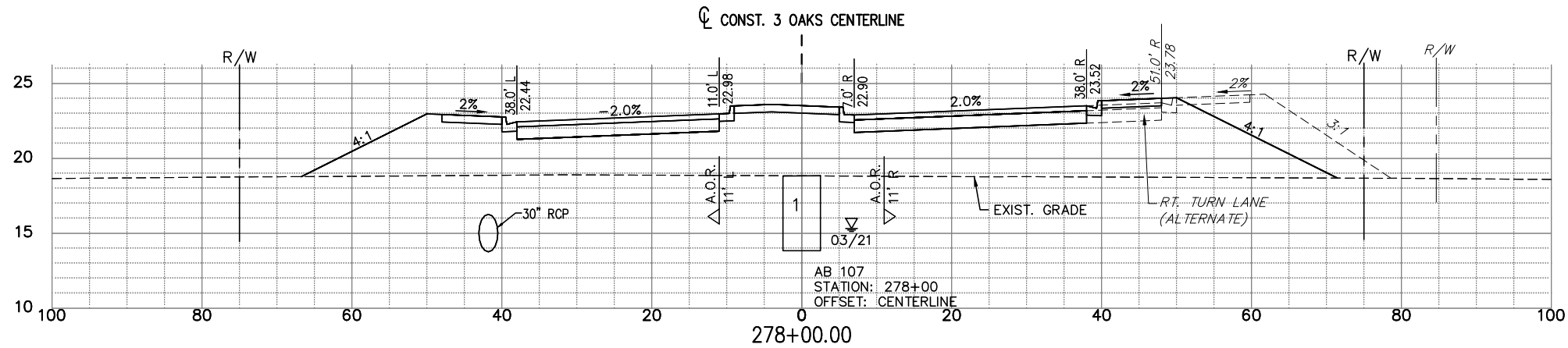
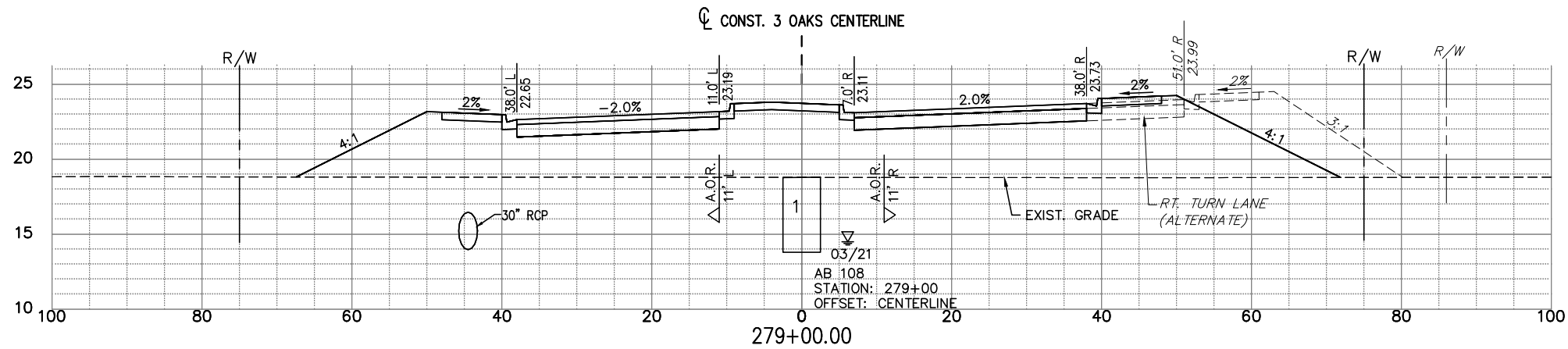
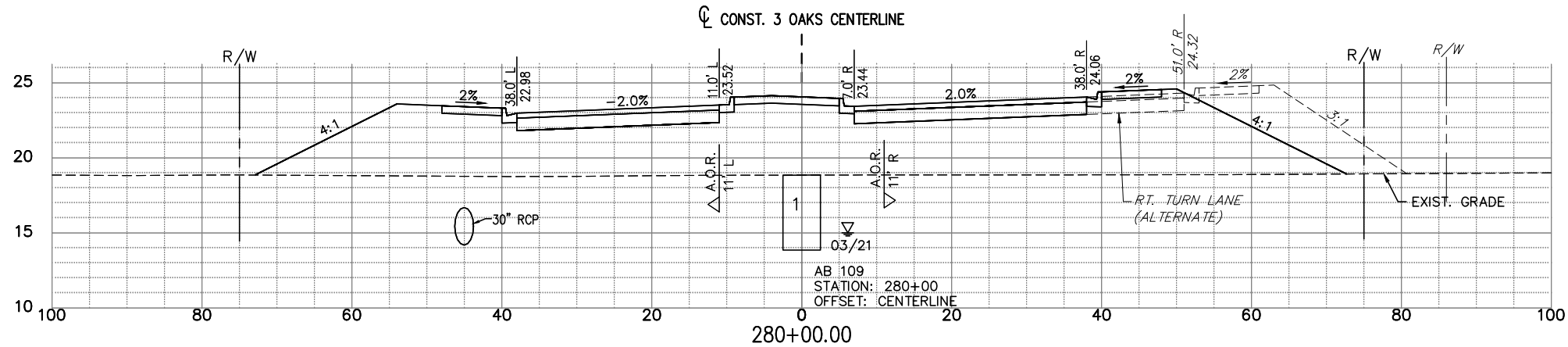
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

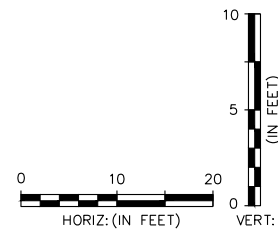
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
117 of 132



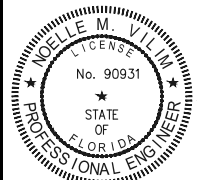
NOTE:
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SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT



EXC		EMB	
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		175	429
0	260	466	199205
		170	254
0	260	435	197527
		169	84

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LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

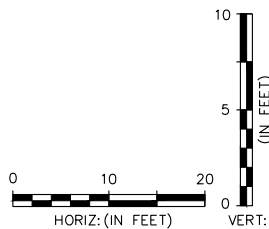
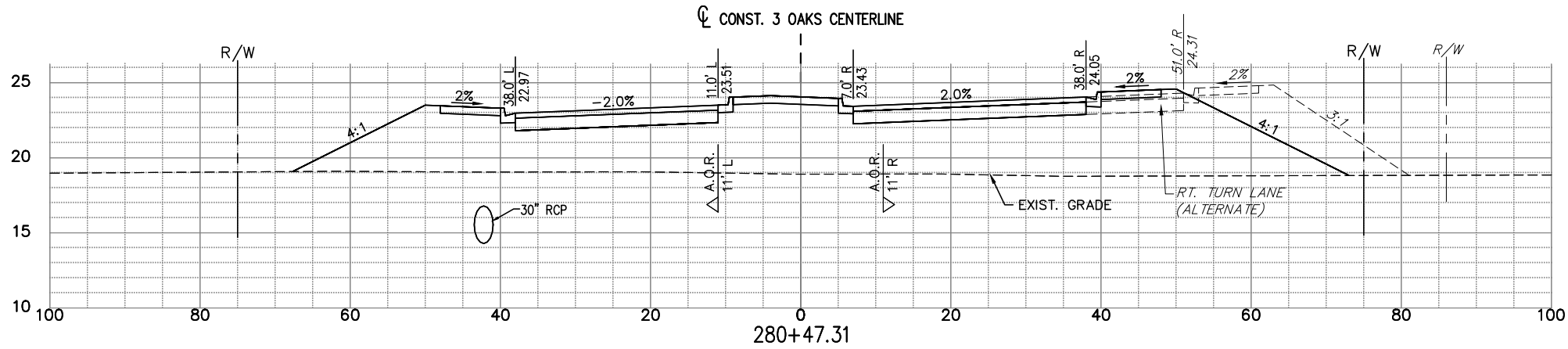
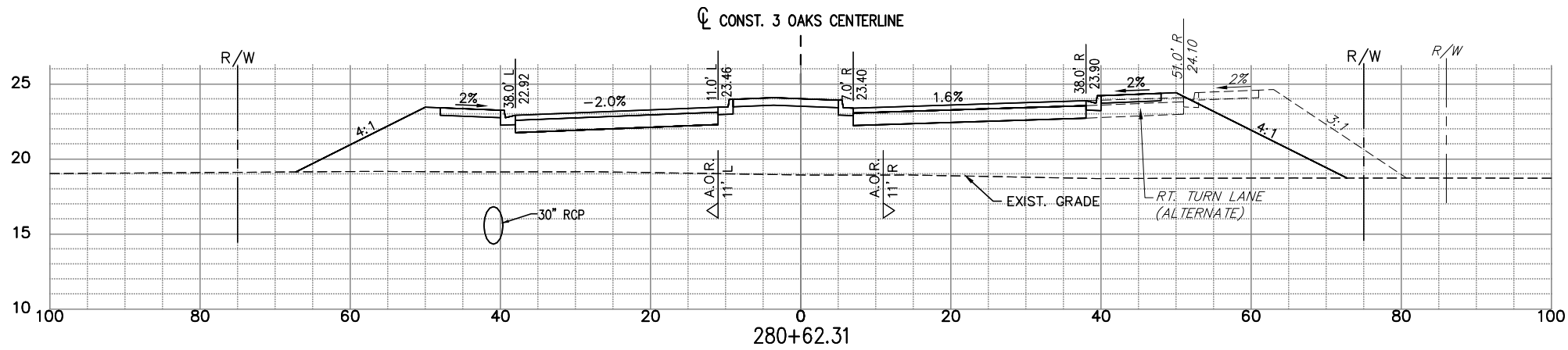
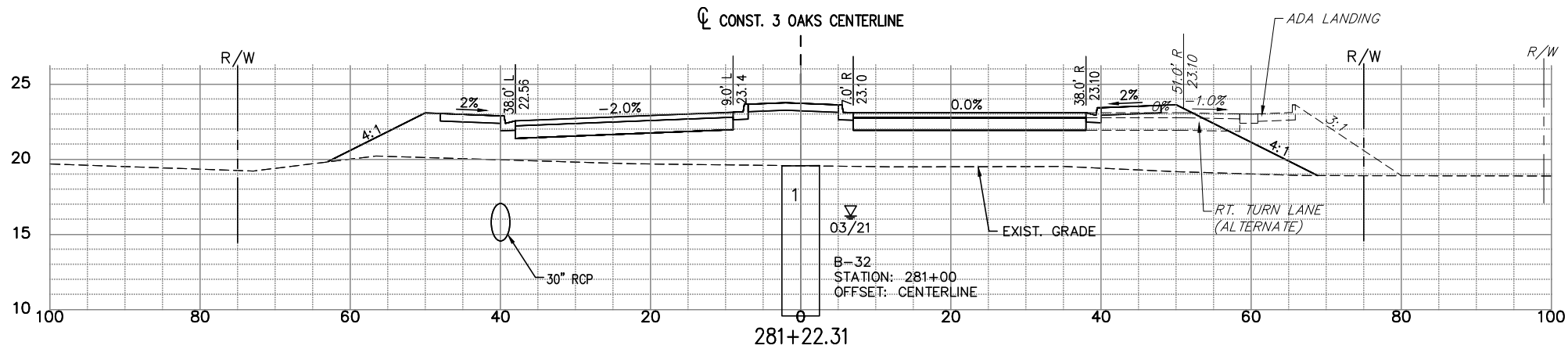
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
118 of 132

NOTE:
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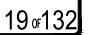
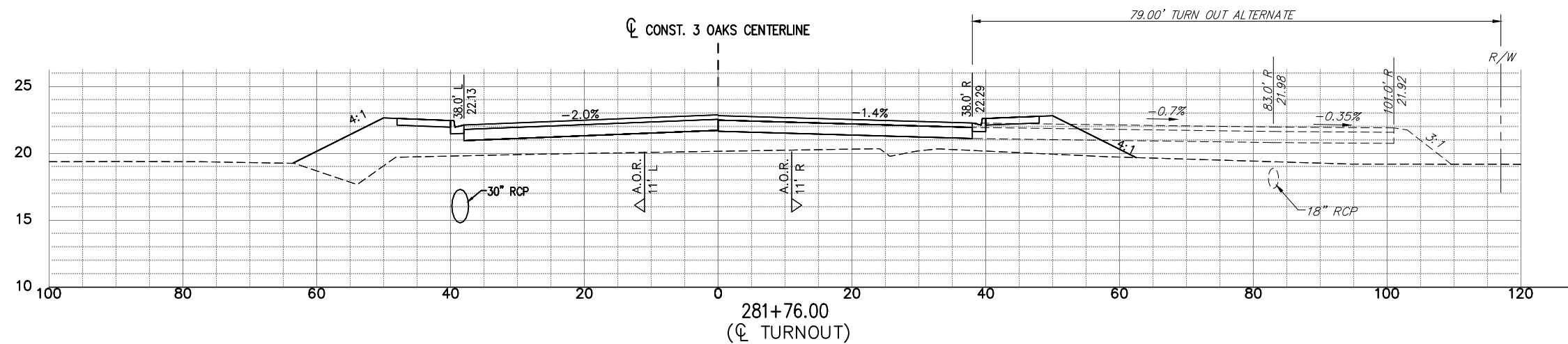
SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT



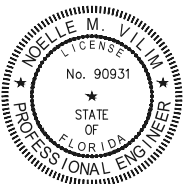
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0	260	478	202188
		27	541
0	260	491	201919
		85	514

A circular professional engineer seal for the State of Florida. The outer ring contains the text "NOELLE M. VILIM" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside the ring, the word "LICENSE" is at the top, "No. 90931" is in the center, and "STATE OF FLORIDA" is at the bottom, also separated by two stars.

SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT PHASE\THREE OAKS XSECT E.dwg 120 ROADWAY CROSS SECTIONS 1/26/2023 12:36:33 PM Avalon Engineering Inc.



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AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

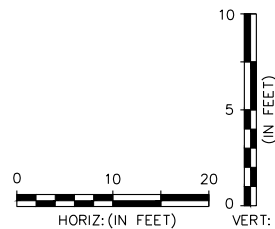
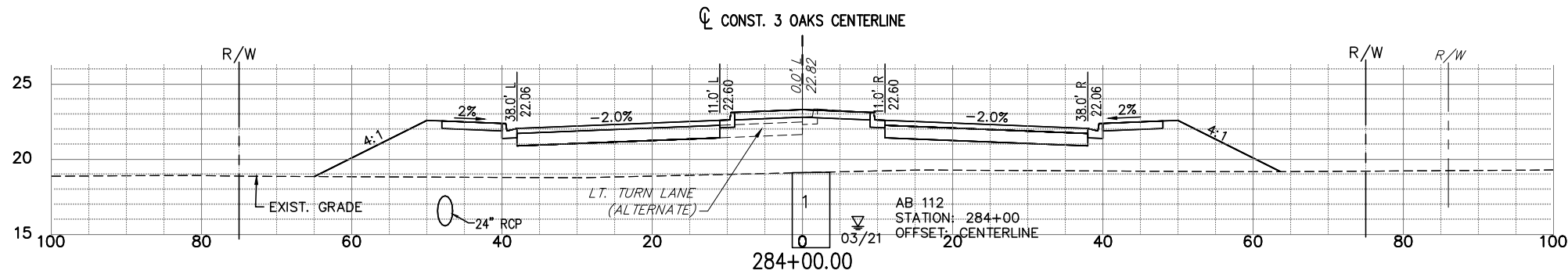
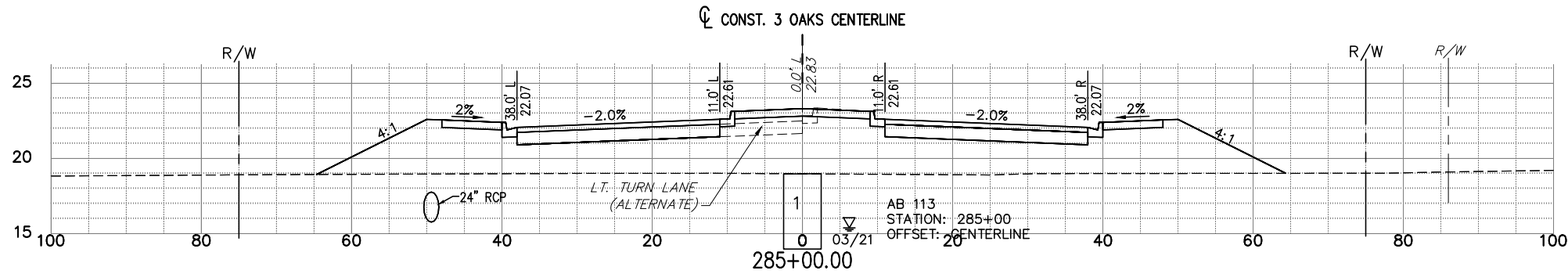
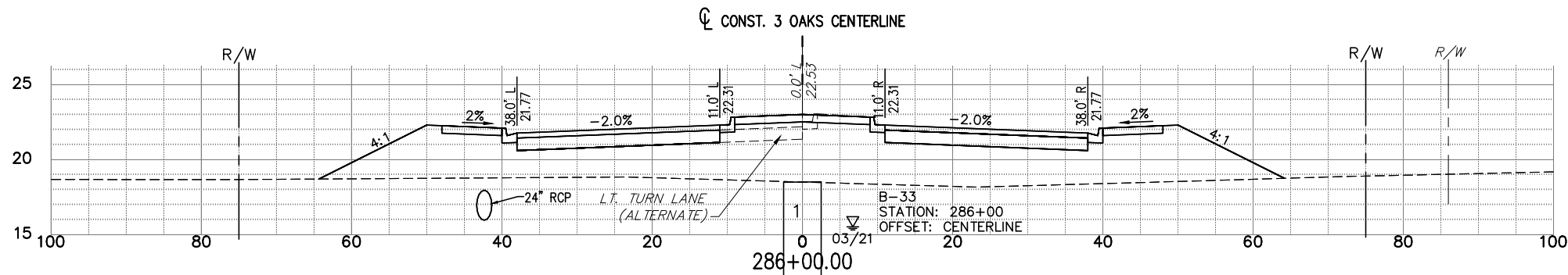
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
120 of 132

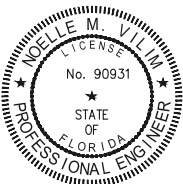
NOTE:
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SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT



EXC		EMB	
A	V	A	V
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		-44	567
0	260	323	206937
		-44	612
0	260	313	205758
		-44	656

P:\CAD\2017\17-372\3-Oaks-Ph1\PILOT PHASE\THREE OAKS XSECT F.dwg 121 ROADWAY CROSS SECTIONS 1/26/2023 12:37:50 PM Avalon Engineering Inc.



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LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

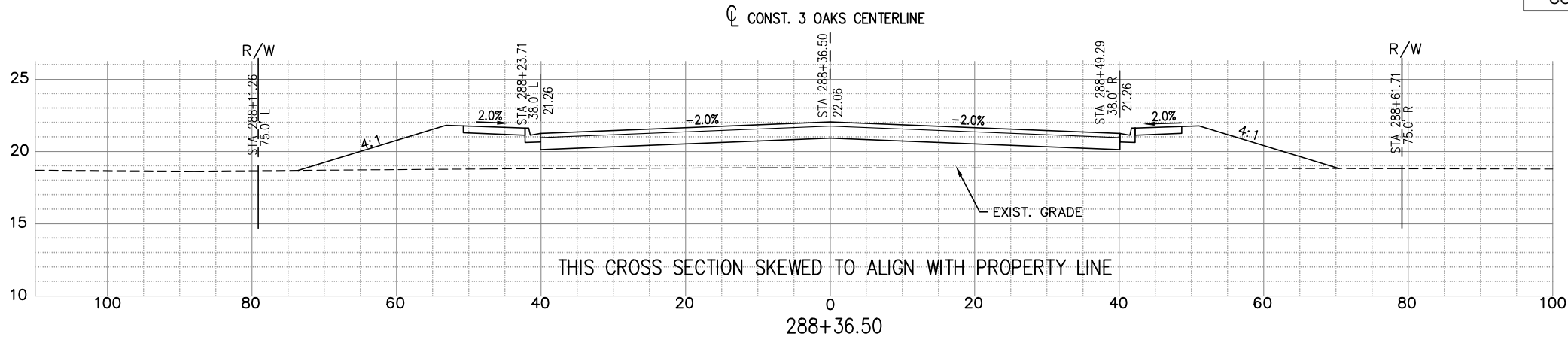
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

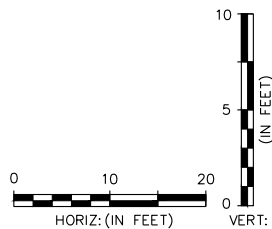
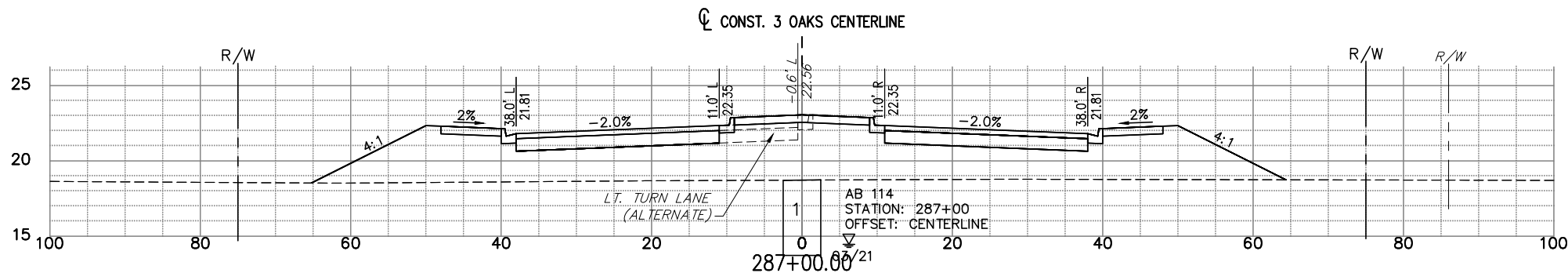
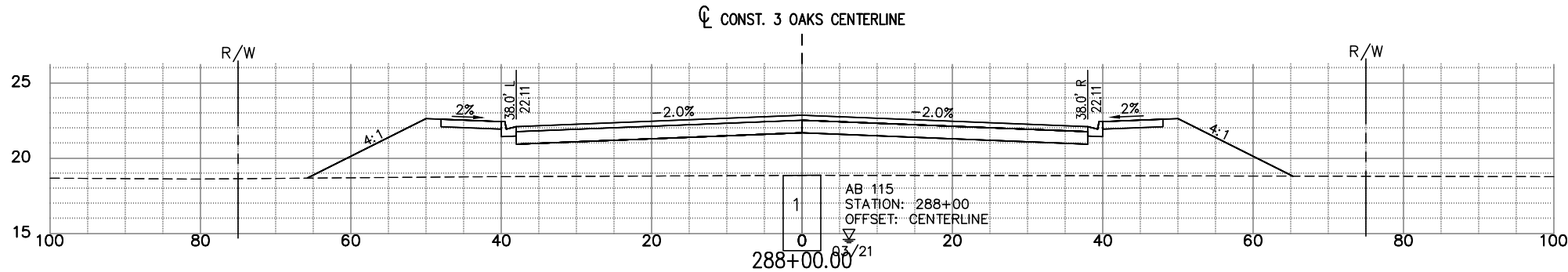
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
121 of 132

NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.

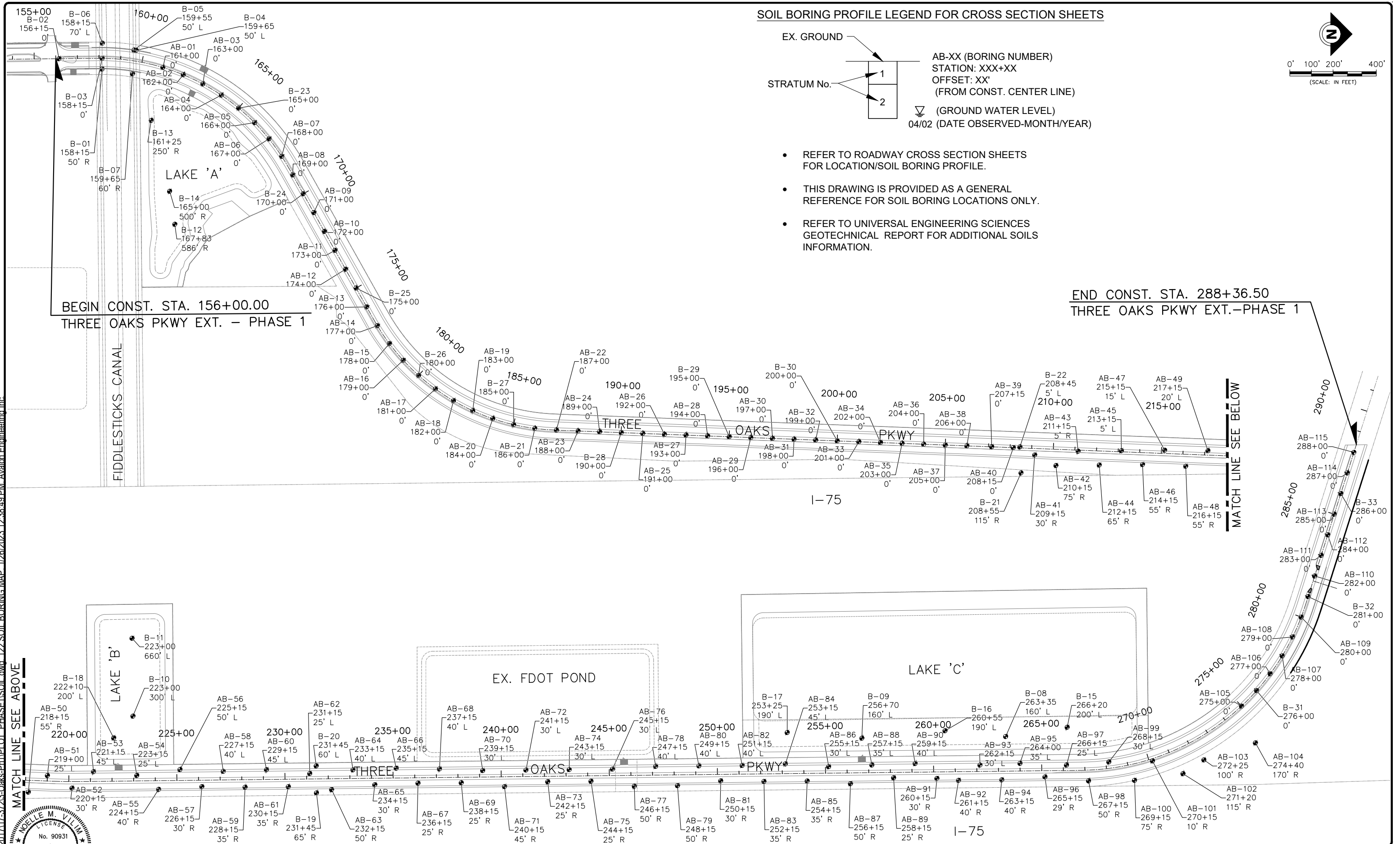


SOIL BORING DATA FROM UNIVERSAL ENGINEERING GEOTECHNICAL REPORT

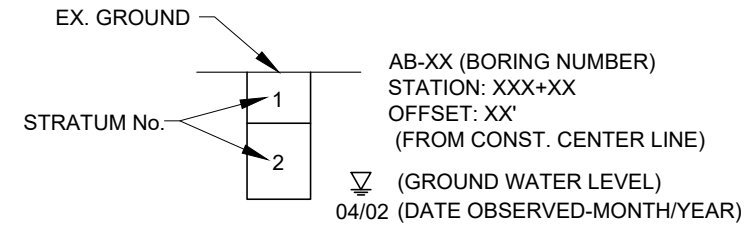


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SOIL BORING PROFILE LEGEND FOR CROSS SECTION SHEETS

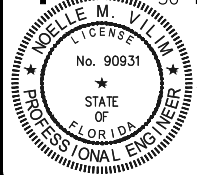


- REFER TO ROADWAY CROSS SECTION SHEETS FOR LOCATION/SOIL BORING PROFILE.
- THIS DRAWING IS PROVIDED AS A GENERAL REFERENCE FOR SOIL BORING LOCATIONS ONLY.
- REFER TO UNIVERSAL ENGINEERING SCIENCES GEOTECHNICAL REPORT FOR ADDITIONAL SOILS INFORMATION.

END CONST. STA. 288+36.50
THREE OAKS PKWY EXT.-PHASE 1

MATCH LINE SEE ABOVE

MATCH LINE SEE BELOW



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BID SET PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Noelle M. Vilim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

SOIL BORING MAP
THREE OAKS PKWY EXT.

SHEET
122 of 132

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STORMWATER POLLUTION PREVENTION PLAN
THREE OAKS PARKWAY EXTENSION

Outfall Information: There are 3 outfalls in Phase 1.

Description:	Location:		Est. Drainage Area Size (AC):	Outfall No:	Receiving Water:
	Latitude:	Longitude:			
BASIN "A" Control Structure	N26° 30' 39.43"	W81° 47' 59.63"	26.00	1	Six Mile Slough
BASIN "B" Control Structure	N26° 31' 31.12"	W81° 47' 52.05"	20.12	2	Six Mile Slough
BASIN "C" Control Structure	N26° 32' 05.27"	W81° 47' 52.11"	48.12	3	Six Mile Slough

STORMWATER POLLUTION PREVENTION PLAN

The following narrative of the Stormwater Pollution Prevention Plan contains references to the Standard Specifications for Road and Bridge Construction, the Design Standards, and other sheets of these construction plans. The first sheet of the construction plans (called the Key Sheet) contains an Index to the other sheets. The complete Stormwater Pollution Prevention Plan includes several items: this narrative description, the documents referenced in this narrative, the Contractor's approved Erosion Control Plan required by Specification Section 104, and reports of Inspections made during construction.

1.0 SITE DESCRIPTION

- 1.1 Nature of Construction Activity: The project is the extension of Three Oaks Parkway, a four-lane roadway with an urban type section. This project involves constructing a roadway surface, curb and gutter, sidewalk, underground storm sewer systems, and stormwater management facilities. This project begins approximately 4200 LF north of Alico Road at Station 156+00 and roadway construction extends to Station 283+40.00. The majority of the roadway section parallels I-75 on the west side of I-75.

1.2 Sequence of Major Soil Distributing Activities:

In the Section 104 Erosion Control Plan, the contractor shall provide a detailed sequence of construction for all construction activities. The Contractor shall follow the sequence of major activities described below, unless the Contractor proposes a different sequence that is equal or better at controlling erosion and trapping sediment and is approved by the Engineer.

For the construction phase, install perimeter controls after clearing and grubbing necessary for installation of controls but before beginning other work for the construction phase. Remove perimeter controls only after all upstream areas are stabilized.

- 1.2.1 Clearing and grubbing, earthwork, and storm sewer construction for the stormwater detention areas and control structures and outfall connections to the existing storm sewer system.
- 1.2.2 Storm sewer and roadway underdrain construction. Construct the storm drain pipe in the upstream direction.
- 1.2.3 Earthwork associated with roadway, and construction of gravity wall, curb, subgrade, base, pavement, and sidewalk.

1.3 Area Estimates:

Three Oaks Parkway Extension: Phase 1

Total Phase 1 site area: 97.58 acres.
Total area to be disturbed: 97.58 acres.

1.4 Runoff Data:

Runoff coefficients:
Before 0.45
During: Varies from 0.45 to 0.59
After: 0.57

Soils Data: The results of the soil borings along the roadway are shown on the Roadway Soil Survey Sheet(s). The numbers for these are identified on the Key Sheet of these construction plans. In general, the soils are fine sands with varying amounts of silt, rock, clay, and shell fragments.

2.0 CONTROLS:

2.1 Erosion And Sediment Controls:

In the Section 104 Erosion Control Plan, the Contractor shall describe the proposed stabilization and structural practices based on the Contractor's proposed Traffic Control Plan. The following recommended guidelines are based on the Traffic Control Plan (TCP) outlined in the construction plans. Where the following Traffic Control Plan (TCP) outlined in these construction plans, the Contractor may chose to accept the following guidelines or modify them in the Section 104 Erosion Control Plan, subject to approval of the Engineer. As work progresses, the Contractor shall modify the plan to adapt to seasoned variation, changes in construction activities, and the need for better erosion control practices.

For each construction phase, install perimeter controls after clearing and grubbing necessary for installation of controls but before beginning other work for the construction phase. Remove perimeter controls only after all upstream areas are stabilized.

- 1.5.5 Locations of Temporary Controls: These are shown on the Erosion Control Sheets. Tables providing summaries of temporary erosion and sediment control items are provided in the Summary of Quantity Sheets.

- 1.5.6 Locations of Permanent Controls: The existing and proposed detention/retention area are the primary permanent stormwater management controls. These are shown on the Plan/Profile Sheets and Drainage Detail sheets.

- 1.5.7 Areas To Be Stabilized: Temporary stabilization practices are required in the same location as the temporary controls mentioned above. Permanent stabilization is shown on the Typical Section Sheets, the Plan-Profile Sheets and the detention/retention Area Details Sheets.

- 1.5.8 Surface Water: The existing Six Mile Slough System is the main surface water outfall for this site. The detention/retention outfall locations are shown on the Basin Drainage Map sheets.

- 1.5.9 Discharge Points To Surface Waters: They are shown on the Basin Drainage Map Sheets.

- 1.5.10 Receiving Waters: See Item 1.4 for the outfall locations and receiving water names. There are wetland areas on the project site.

2.1.2.2 Permanent:

Sod stormwater Detention/Retention areas.

2.2 Stormwater Management:

The stormwater systems will be constructed to convey runoff to five (5) stormwater Detention/Retention Areas. The facilities have been permitted by the Florida Department of Environmental Protection (FDEP) and Lee County, and comply with applicable design standards.

2.3 Other Controls:

2.3.1 Waste Disposal:

In the Section 104 Erosion Control Plan, the Contractor shall describe the proposed methods to prevent the discharge of solid materials, including building materials, to waters of the United States. The proposed methods shall include at least the following, unless otherwise approved by the Engineer.

- 2.3.1.1 Providing litter control and collection within the project during construction activities.

- 2.3.1.2 Disposing of all fertilizer or other chemical containers according to EPA's standard practices as detailed by the manufacturer.

- 2.3.1.3 Disposing of solid materials including building and construction materials off the project site but not in surface waters, or wetlands.

2.3.2 Off-Site Vehicle Tracking & Dust Control:

In the Section 104 Erosion Control Plan, the Contractor shall describe the proposed methods for minimizing offsite vehicle tracking of sediments and generating dust. The proposed methods shall include at least the following, unless otherwise approved by the Engineer.

- 2.3.2.1 Covering loaded haul trucks with tarpaulins.

- 2.3.2.2 Removing excess dirt from roads, daily.

- 2.3.2.3 Stabilizing construction entrances according to Design Standards Index No. 106.

- 2.3.2.4 Using roadway sweepers with water during dust generating activities such as excavation and milling operations.

2.3.3 State and Local Regulations For Waste Disposal, Sanitary Sewer, Or Septic Tank Regulations:

In the Section 104 Erosion Control Plan, the Contractor shall describe the procedures for comply with applicable state and local regulations for waste disposal, and sanitary sewer or septic systems.

2.3.4 Fertilizers and Pesticides:

In the Section 104 Erosion Control Plan, the Contractor shall describe the procedures for applying fertilizers and pesticides. The proposed procedures shall comply with applicable subsections of either Section 570 of 577 of the Specifications.

2.3.5 Toxic Substances:

In the Section 104 Erosion Control Plan, the Contractor shall provide a list of toxic substances that are likely to be used on the job and provide a plan addressing the generation, application, migration, storage, and disposal of these substances.

2.3.6 Approved State and Local Plans and Permits:

2.3.6.1 FDEP Rule Chapter 62-25 F.A.C.

2.3.6.2 Lee County Land Development Code.

3.0 MAINTENANCE:

In the Section 104 Erosion Control Plan, the Contractor shall provide a plan for maintaining all erosion and sediment controls throughout construction. The maintenance plan shall at a minimum, comply with the following.

- 3.1 Silt Fence: Maintain per Section 104. The Contractor should anticipate replacing silt fence on twelve (12) month intervals.

- 3.2 Synthetic Bales: Remove sediment when it reaches ½ height of bales or when water ponds in unacceptable amounts or areas. The Contractor should anticipate replacing bales on three (3) month intervals.

- 3.3 The Detention/Retention Areas are temporary sediment basins until the areas that drain to them are stabilized, so until then, remove sediment from the Detention/Retention Areas when it becomes six (6) inches deep at any point.

- 3.4 Turbidity Barriers: The Contractor shall provide a plan for maintaining all turbidity barriers throughout construction. The maintenance plan shall at a minimum, comply with Section 103 and Section 104.

4.0 INSPECTIONS:

Qualified personnel shall inspect the following items at least once every seven (7) calendar days and within 24 hours of the end of a storm that is 0.50 inches or greater. To comply, the Contractor shall install and maintain rain gages and record the daily rainfall. Where sites have been permanently stabilized, inspections shall be conducted at least once every month. The Contractor shall also inspect that controls installed in the field agree with the latest Stormwater Pollution Prevention Plan. The Contractor shall also inspect the following items that are associated with the Project:

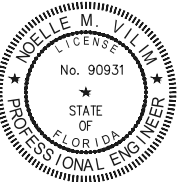
- 4.0.1 Points of discharge to waters of the United States.
- 4.0.2 Points of discharge to municipal separate storm sewer systems.
- 4.0.3 Disturbed areas of the site that have not been finally stabilized.
- 4.0.4 Areas used for storage of materials that are exposed to precipitation.
- 4.0.5 Structural controls.
- 4.0.6 Stormwater management systems.
- 4.0.7 Locations where vehicles enter or exit the site.

The Contractor shall initiate repairs within 24 hours of inspections that indicate items are not in good working order and/or do not meet the requirements outlined in the SWPPP.

If inspections indicate that the installed stabilization and structural practices are not sufficient to minimize erosion, retain sediment, and prevent discharging pollutants, the Contractor shall provide additional measures, as approved by the Engineer.

5.0 NON-STORMWATER DISCHARGES:

In the Section 104 Erosion Control Plan, the Contractor shall identify all anticipated non-stormwater discharges (except flows from fire fighting activities). The Contractor shall describe the proposed measures to prevent pollution of these non-stormwater discharges. If the Contractor encounters contaminated soil or groundwater, contact DEP National Response Center at 1-800-424-8802.



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FBPE#3128 (239) 573-2077

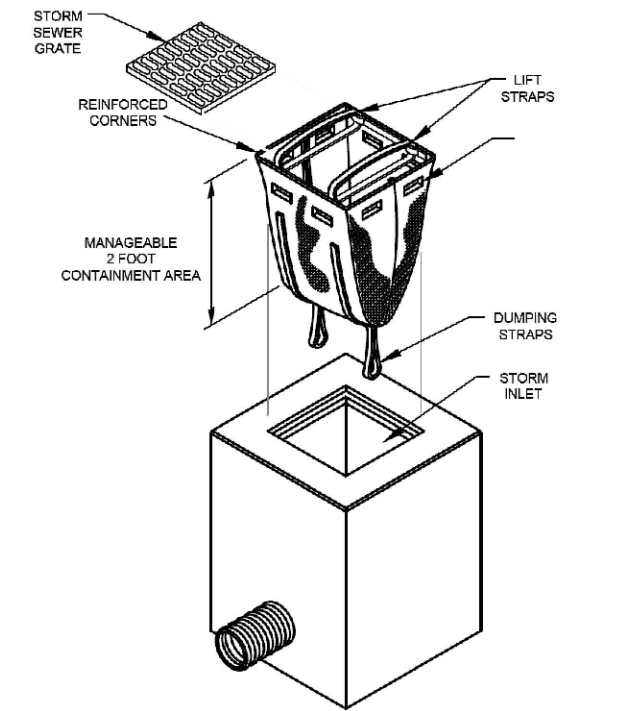
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

STORMWATER POLLUTION
PREVENTION PLAN

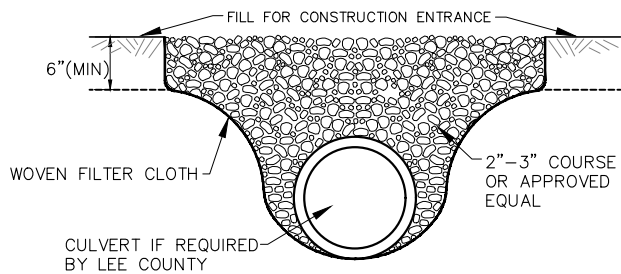
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123 of 132

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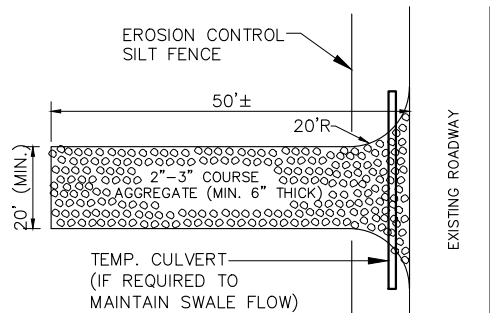


DANDY SAC MAY BE SUBSTITUTED FOR SIMILAR PRODUCT .

DANDYSACK TM



SECTION

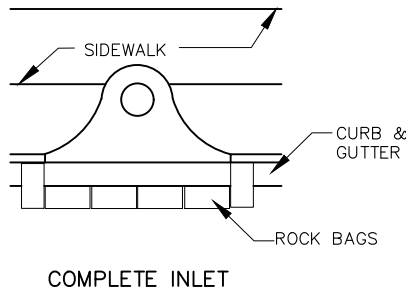


PLAN VIEW

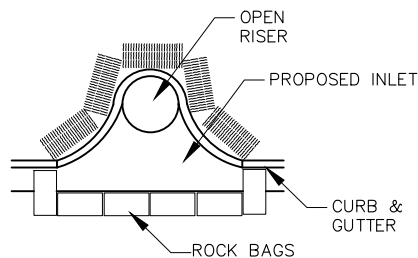
NOTE:

- 1.) THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC R/W. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT.
- 2.) WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC R/W.
- 3.) WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED W/ CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

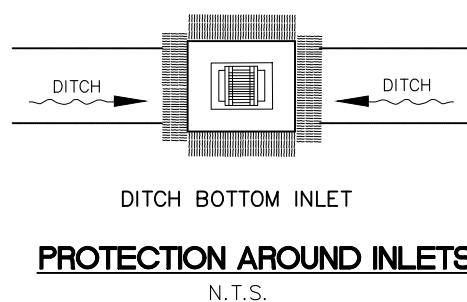
TEMP. CULVERT • CONSTRUCTION ENTRANCE
N.T.S.



COMPLETE INLET

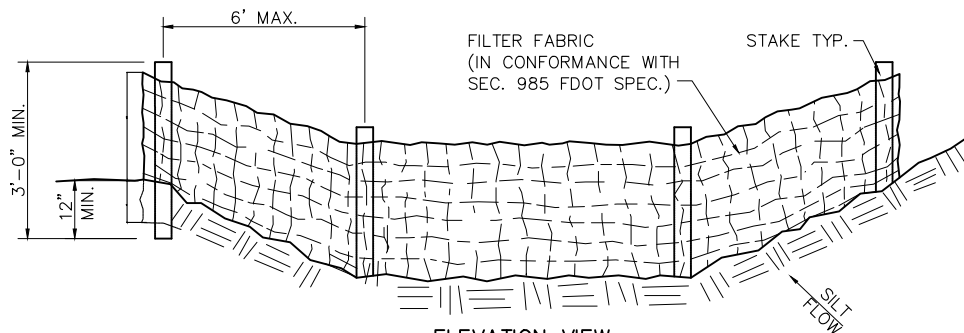


PARTIAL INLET

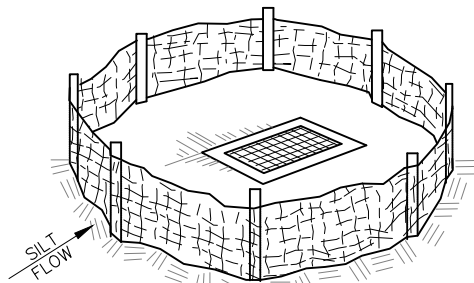


PROTECTION AROUND INLETS

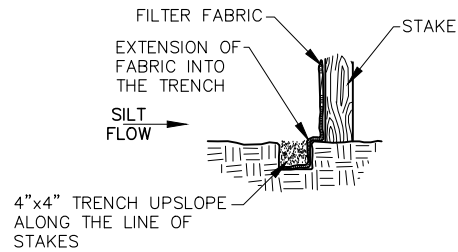
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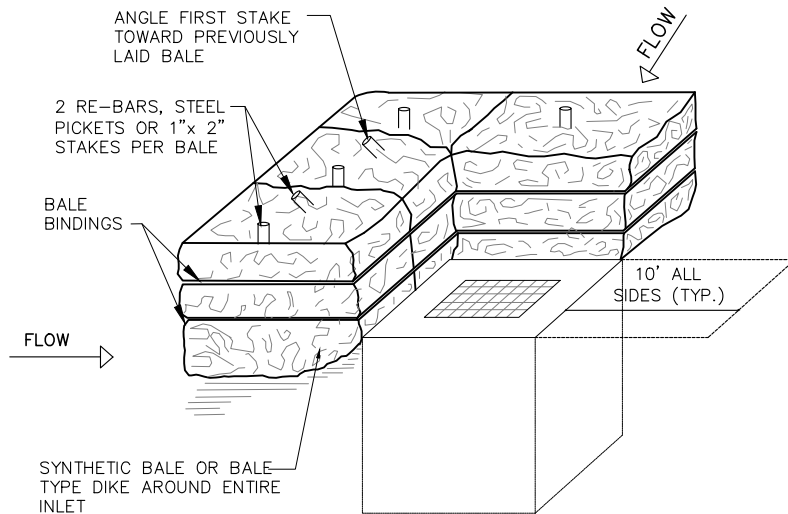
**ELEVATION VIEW
SILT SCREEN PLACEMENT**



**SILT FENCE PROTECTION
AROUND DITCH BOTTOM INLETS**



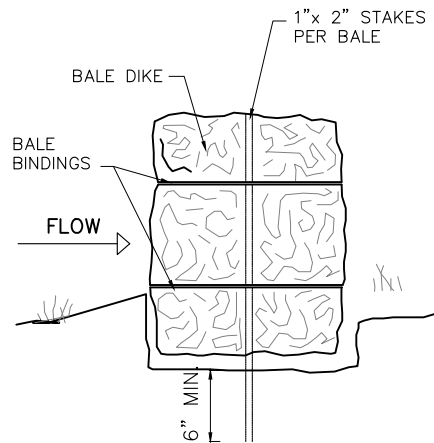
**CONSTRUCTION OF A
SILT FENCE**



**ANCHORING DETAIL SYNTHETIC BALE
PLACEMENT**

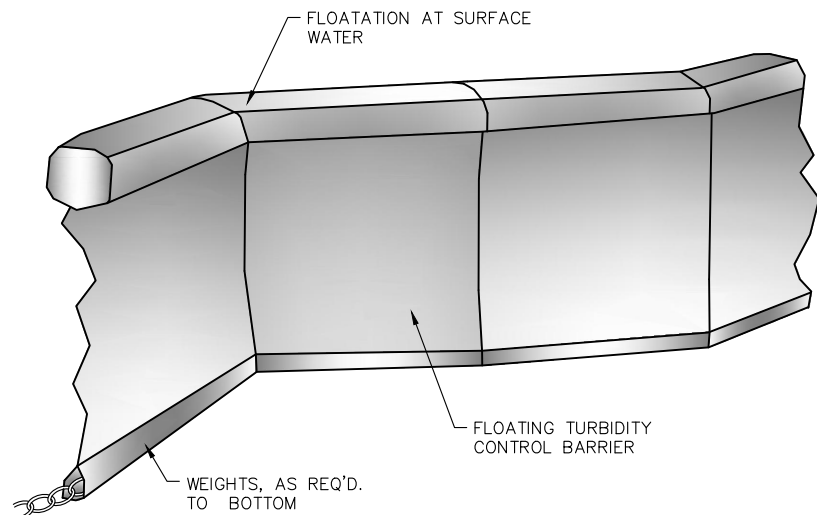
1. PRIOR TO CONSTRUCTION, FILTER FABRIC, SILT SCREENS, SYNTHETIC BALES OR OTHER APPROVED EROSION CONTROL DEVICES SHALL BE INSTALLED ACROSS THE SWALE AT THE LOWEST DISTURBED POINT TO PREVENT EROSION MATERIAL FROM LEAVING THE CONSTRUCTION AREA, INCLUDING ANY VACANT AREAS USED FOR INGRESS AND EGRESS.
2. ALL AFFECTED STORMWATER PIPES, INLETS AND CATCH BASINS SHALL BE PROTECTED BY EROSION CONTROL DEVICES TO PREVENT CONSTRUCTION RELATED EROSION MATERIAL FROM ENTERING THE STORMWATER SYSTEM.
3. THE EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION PROCESS AND SHALL REMAIN IN PLACE UNTIL STABILIZED WITH SOD AND THE VACANT AREAS ARE SEED AND MULCHED.

EROSION CONTROL
N.T.S.



BEDDING DETAIL

NOTE: RESTORE ALL INLETS IN R/W WITH SOD ON ALL SIDES (10' TYP.)



THE CONTRACTOR SHALL BE RESPONSIBLE TO HAVE APPROVED TURBIDITY BARRIERS IN PLACE DURING ANY AND ALL CLEARING, EXCAVATING, JETTING AND BACKFILLING OPERATIONS WHICH TOTALLY ENCLOSES THE CONSTRUCTION SITE. BARRIERS ARE TO REMAIN IN PLACE 24 HOURS MINIMUM AFTER CONSTRUCTION CEASES OR UNTIL TURBIDITY LEVEL IS 29 NTU OR LESS ABOVE THE PRE-CONSTRUCTION TURBIDITY LEVEL. BARRIERS MUST EXTEND FROM THE WATER SURFACE TO THE BOTTOM AND HAVE ADEQUATE WEIGHT TO KEEP THEM IN PLACE DURING ALL OPERATIONS. THERE SHALL BE ADEQUATE FLOTATION AT THE SURFACE TO PREVENT OVERFLOW. THIS FLOTATION MUST BE BRIGHTLY COLORED TO MAXIMIZE VISIBILITY.

FLOATING TURBIDITY CONTROL BARRIER

DR-SILT-CURTAIN.dwg (2014)
N.T.S.



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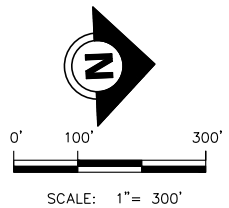
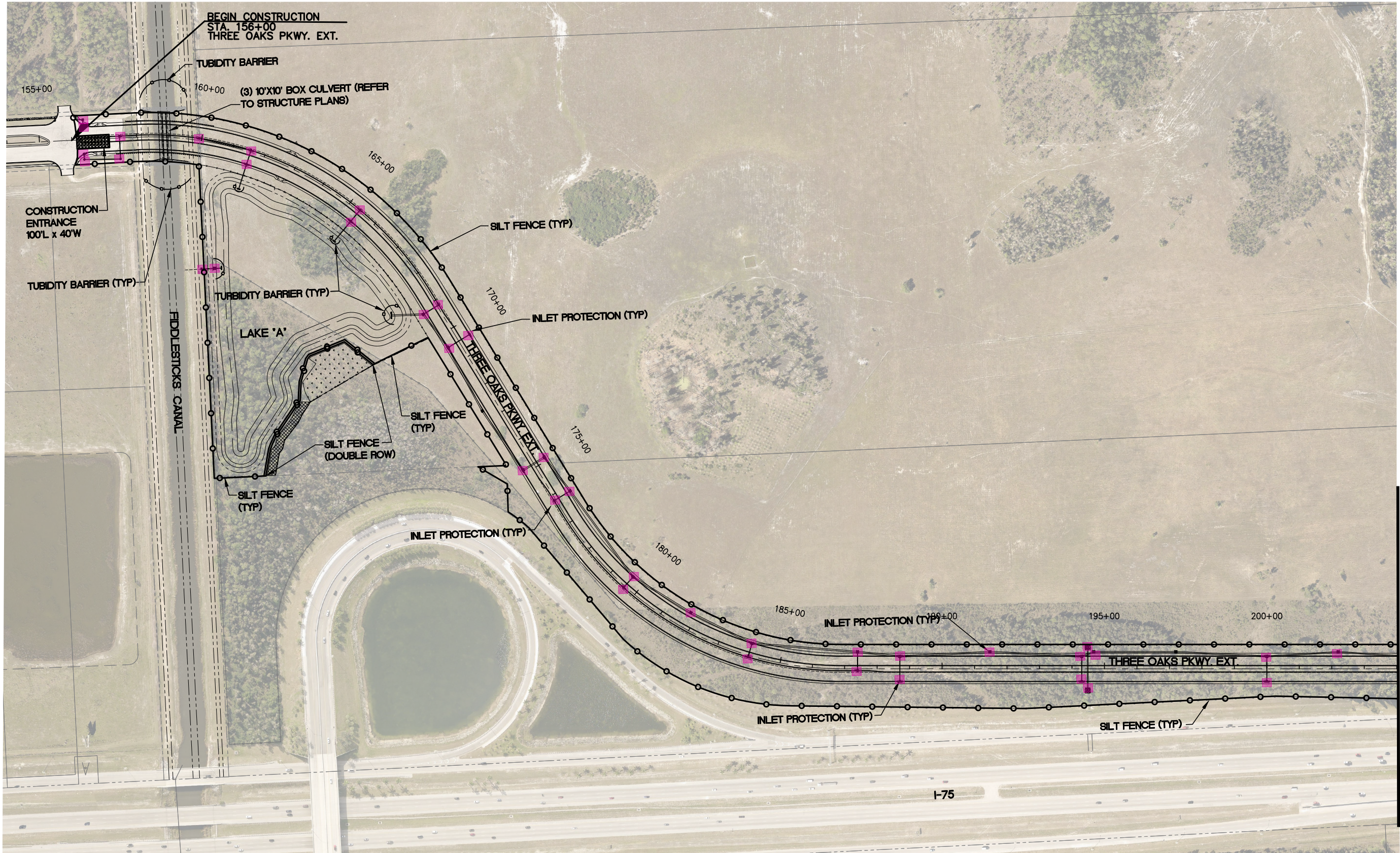
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PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

**STORMWATER POLLUTION
PREVENTION PLAN**

SHEET
124 of 132

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LEGEND

-  INLET PROTECTION
-  SILT FENCE
-  TURBIDITY BARRIER
- AERIAL 2020



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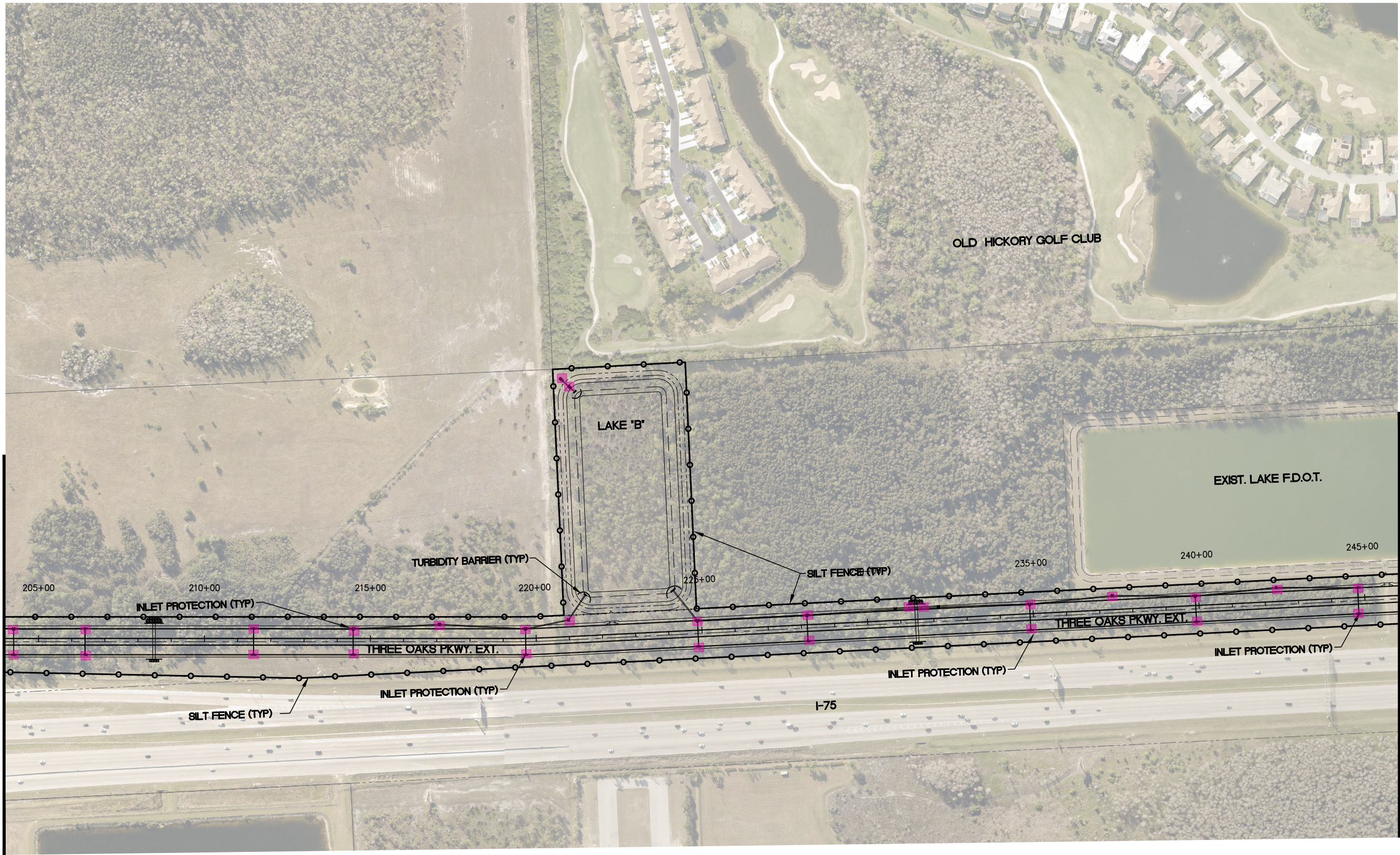
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EROSION CONTROL PLAN
THREE OAKS PKWY EXT.

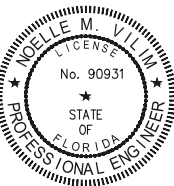
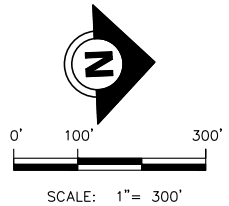
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125 of 132

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EROSION CONTROL PLAN
THREE OAKS PKWY EXT.

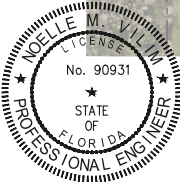
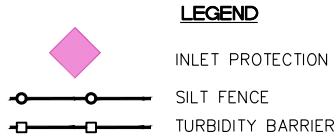
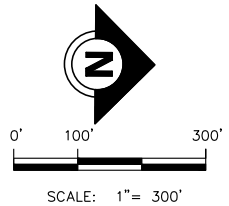
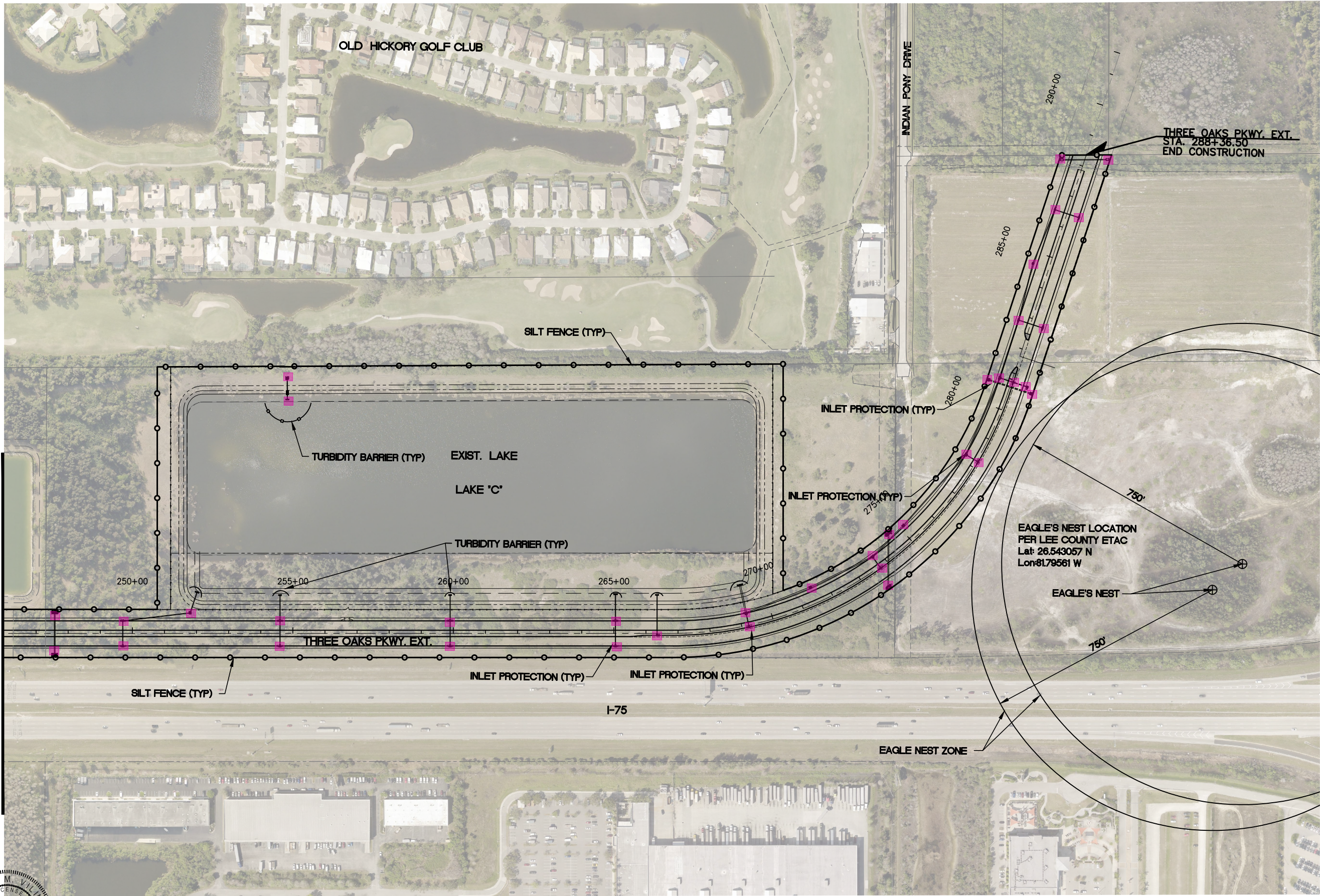
SHEET
126 of 132

LEGEND

- INLET PROTECTION
- SILT FENCE
- TURBIDITY BARRIER
- AERIAL 2020

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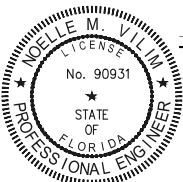
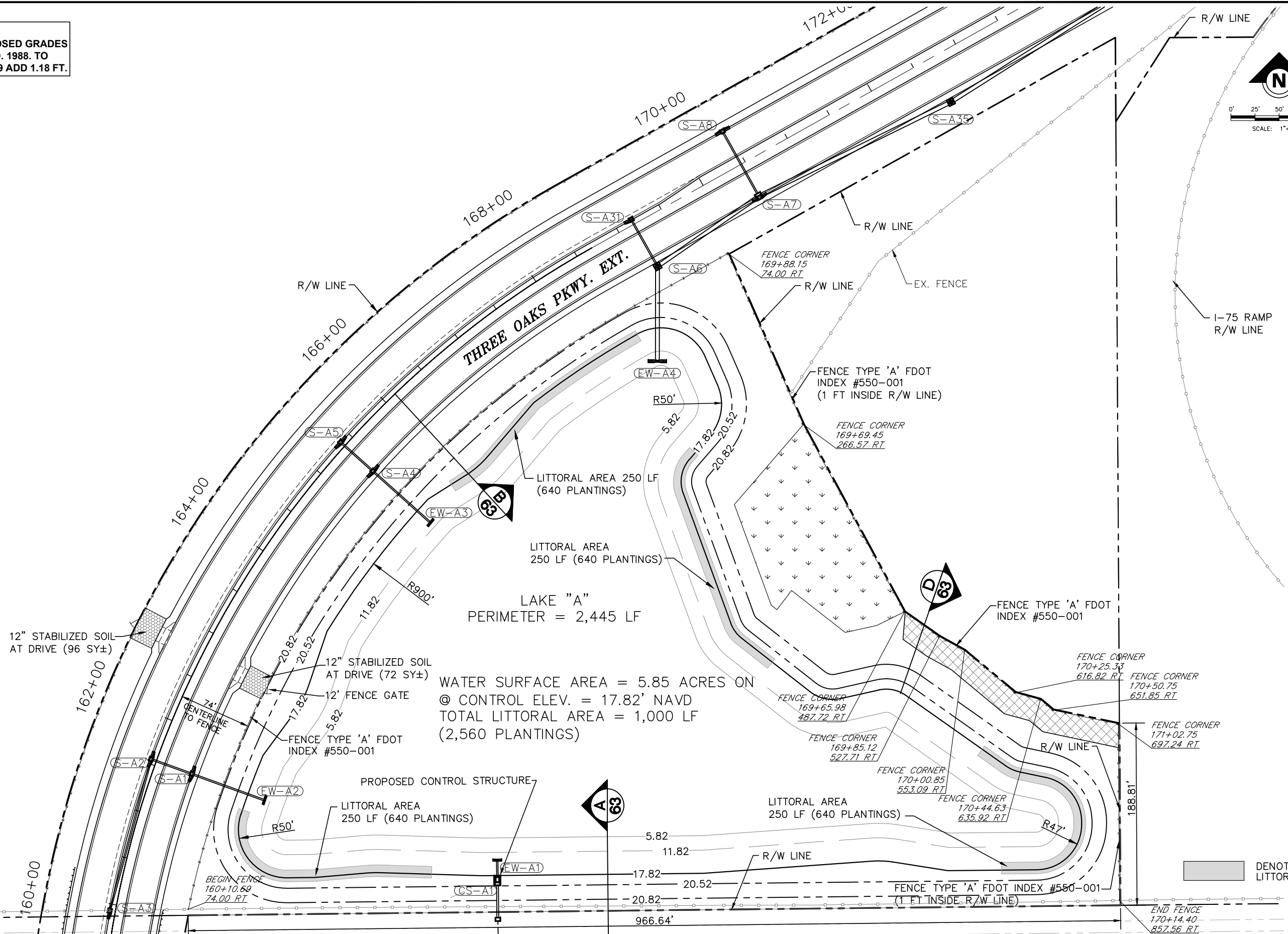
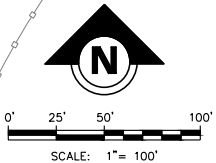
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

EROSION CONTROL PLAN
THREE OAKS PKWY EXT.

SHEET
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P:\CAD\2017\17-372\3-Oaks-Ph1\Plot - PHASE\littoral plantings.dwg 128 LAKE-A LITTORAL PLANTINGS 1/26/2023 12:40:10 PM Avalon Engineering Inc.

NOTE:
1.) ALL EXISTING AND PROPOSED GRADES
SHOWN REFER TO N.A.V.D. 1988. TO
CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.



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01/26/23	NV	ADDENDUM #1

BID SET PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Noelle M. Vilim, P.E.
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

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THREE OAKS PARKWAY EXTENSION
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LEE COUNTY, FLORIDA

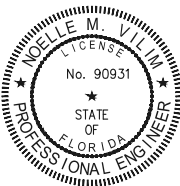
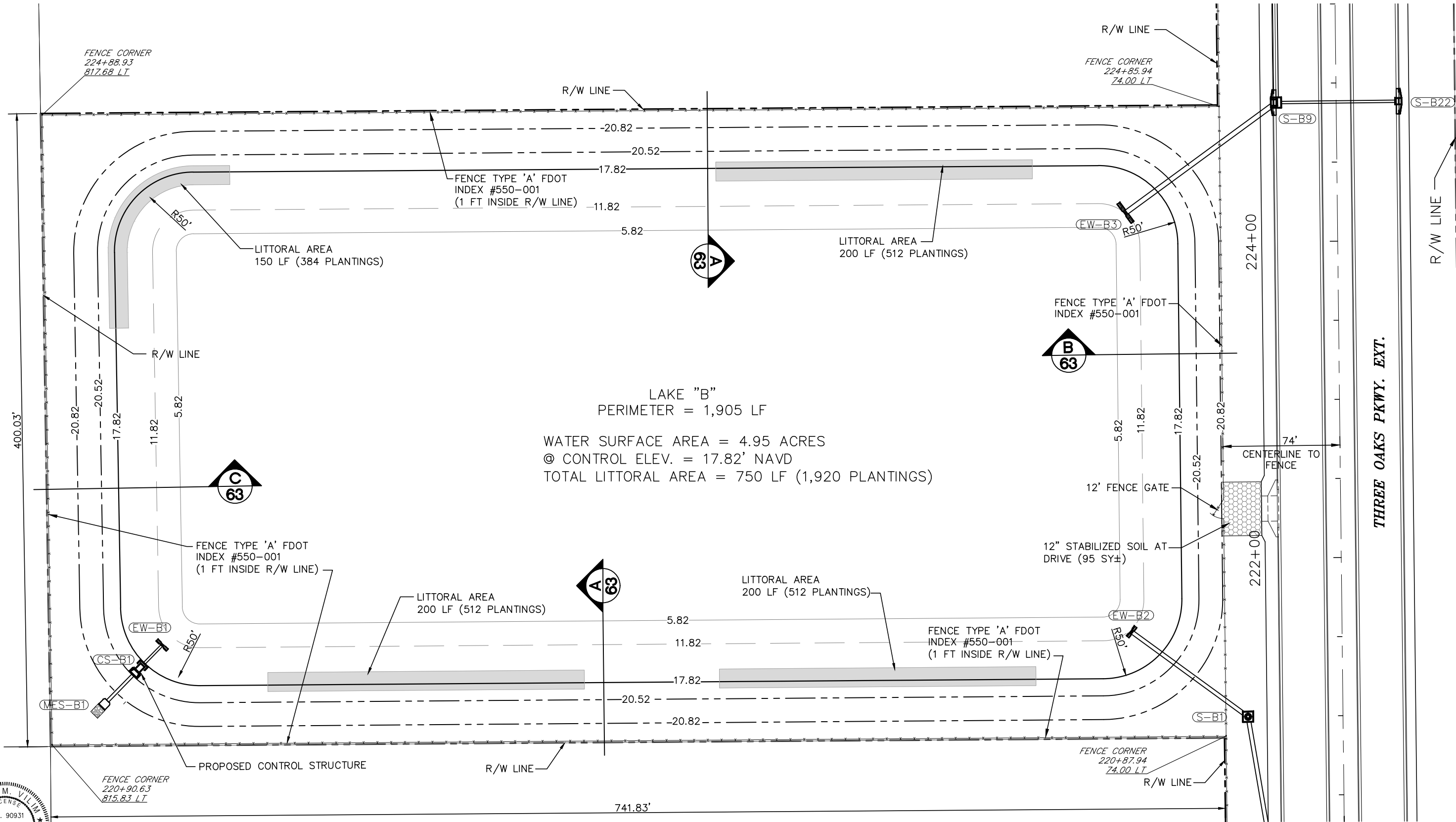
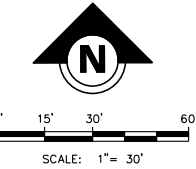
LAKE-A LITTORAL PLANTINGS
THREE OAKS PKWY EXT.

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128 of 132

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■ DENOTES
LITTORAL AREA

NOTE:
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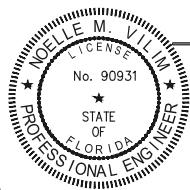
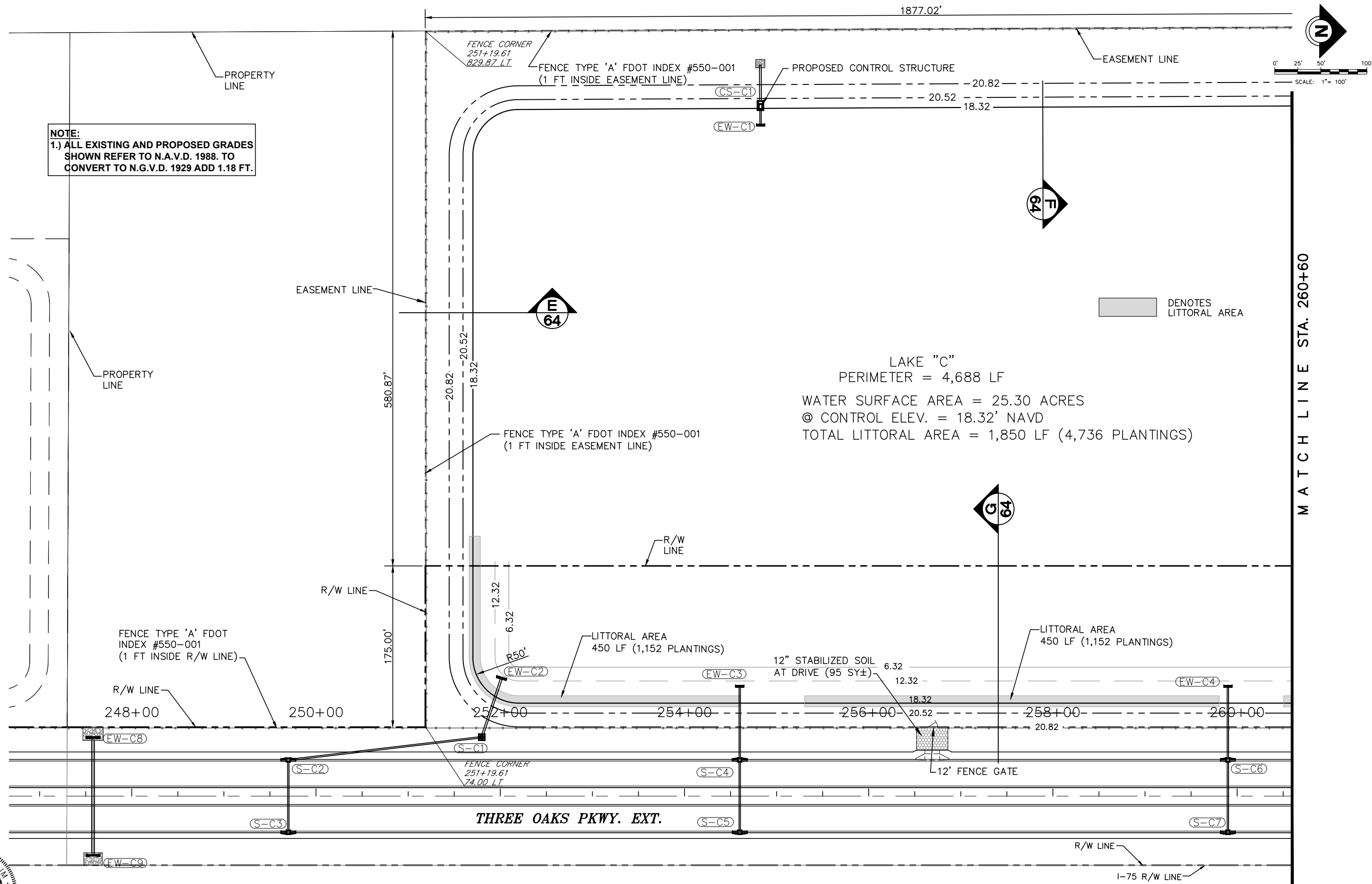
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THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

LAKE-B LITTORAL PLANTINGS
THREE OAKS PKWY EXT.

SHEET
129 of 132

P:\CAD\2017\17-372\3-Oaks-Ph1\PILOT PHASE\littoral plantings.dwg, 130 LAKE-C LITTORAL PLANTINGS (S), 1/26/2023 12:40:19 PM Avalon Engineering Inc.



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THREE OAKS PARKWAY EXTENSION
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LEE COUNTY, FLORIDA

LAKE-C LITTORAL PLANTINGS (S)
THREE OAKS PKWY EXT.

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MATCH LINE STA. 260+60

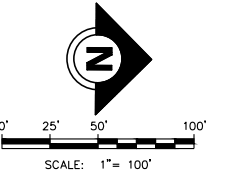
FENCE TYPE 'A' FDOT INDEX #550-001
(1 FT INSIDE EASEMENT LINE)

EASEMENT LINE

FENCE CORNER
276+41.81
694.50 LT

NOTE:
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DENOTES
LITTORAL AREA



LAKE "C"
PERIMETER = 4,688 LF

WATER SURFACE AREA = 25.30 ACRES
© CONTROL ELEV. = 18.32' NAVD
TOTAL LITTORAL AREA = 1,850 LF (4,736 PLANTINGS)

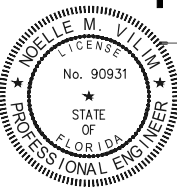
LITTORAL AREA
450 LF (1,152 PLANTINGS)

LITTORAL AREA
500 LF (1,280 PLANTINGS)

THREE OAKS PKWY. EXT.

R/W LINE

I-75 R/W LINE



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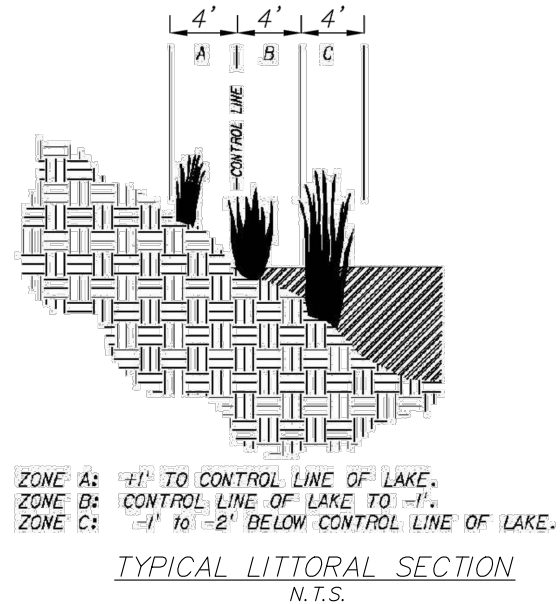
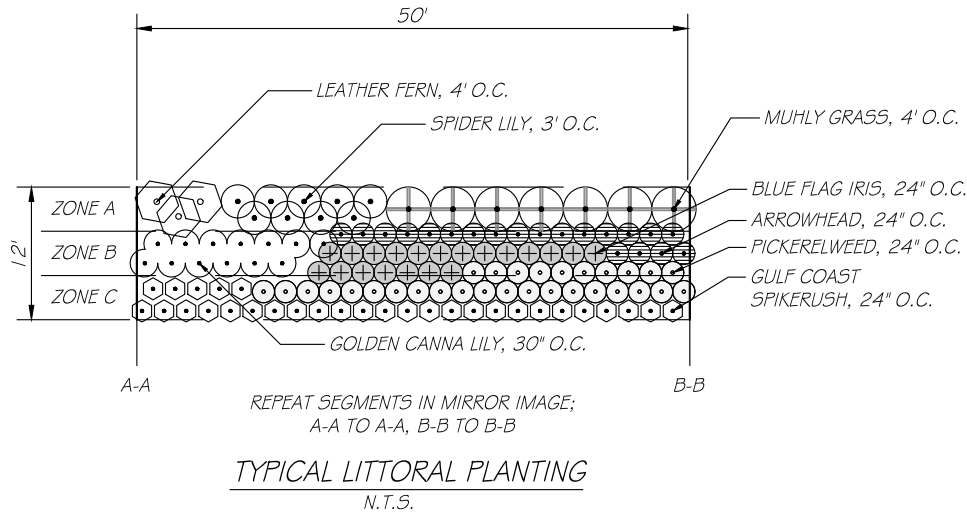
THREE OAKS PARKWAY EXTENSION
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LEE COUNTY, FLORIDA

LAKE-C LITTORAL PLANTINGS (N)
THREE OAKS PKWY EXT.

SHEET

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P:\CAD\2017\17-372\3-Oaks-Ph1\PILOT PHASE\17-372 LITTORAL-DETAILS.dwg, 132 LITTORAL PLANTING, 1/26/2023 12:40:32 PM, Avalon Engineering, Inc.



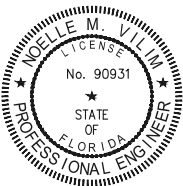
SAMPLE LITTORAL PLANT LIST FOR 50 LF SHORELINE

ZONE	BOTANICAL NAME	COMMON NAME	SIZE / SPACING	QTY
ZONE A CE to +1				
	<i>Acrostichum danaeafolium</i>	Leather Fern	1 gal, 48" o.c.	3
	<i>Hymenocallis latifolia</i>	Spider Lily	1 gal, 36" o.c.	9
	<i>Muhlenbergia capillaris</i>	Muhly Grass	1 gal, 48" o.c.	7
		SubTotal		19
ZONE B CE to -1				
	<i>Canna flaccida</i>	Golden Canna	Bareroot, 30" o.c.	13
	<i>Iris virginica</i>	Blue Flag Iris	Bareroot, 24" o.c.	16
	<i>Sagittaria latifolia</i>	Arrowhead	Bareroot, 24" o.c.	20
		SubTotal		49
ZONE C CE to -2				
	<i>Pontederia cordata</i>	Pickerelweed	Bareroot, 24" o.c.	30
	<i>Eleocharis cellulosa</i>	Gulf Coast Spikerush	Bareroot, 24" o.c.	30
		SubTotal		60
TOTAL PLANTS				128

NOTES:

1. THE MINIMUM REQUIRED NUMBER OF NATIVE WETLAND HERBACEOUS PLANTS IS ONE PLANT PER LINEAR FOOT OF LAKE SHORELINE AS MEASURED AT THE CONTROL ELEVATION.
2. MINIMUM REQUIRED HERBACEOUS PLANT SIZE IS A TWO-INCH CONTAINER, REFERRED TO AS A LINER EXCEPT AS SHOWN IN THE DETAILS.
3. THE TYPICAL LITTORAL PLANTING DETAIL IS TO PROVIDE THE DESIGN INTENT ONLY. ACTUAL PLANTINGS SHOULD BE VARIED.
4. ADDITIONAL ACCEPTABLE PLANT SPECIES ARE INCLUDED IN THE LEE COUNTY DEVELOPMENT WEBSITE.
5. USE A MINIMUM OF 3 PLANTING CONFIGURATIONS PER LAKE TO ENSURE PLANT DIVERSITY.
6. PLANT MATERIALS MUST BE INSTALLED IN SOIL CONDITIONS THAT ARE CONDUCIVE TO THE PROPER GROWTH OF THE PLANT MATERIAL.
7. FINAL PLANTING LOCATIONS TO BE DELINEATED BY LANDSCAPE CONTRACTOR THAT SPECIALIZES IN WETLAND RETORATION.
8. CONTRACTOR SHALL SUBMIT PLANTING DETAILS AND PLANT SPECIES FOR APPROVAL PRIOR TO PLANTING.

TYPICAL LITTORAL ZONE PLANTINGS



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LITTORAL PLANTING
DETAILS

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