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

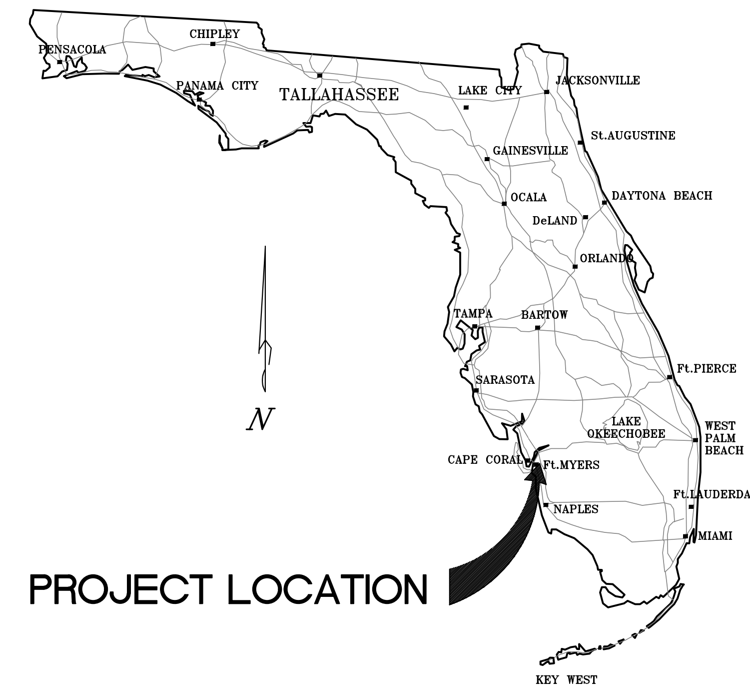
District ONE	District TWO	District THREE	District FOUR	District FIVE
John Manning	*Cecil Pendergrass*	*Ray Sandelli*	*Brian Hamman*	*Frank Mann*

LEE COUNTY MANAGER

Roger Desjarlais

LEE COUNTY DEPARTMENT OF TRANSPORTATION

Randy Cerchie, Director
Vincent Miller, Project Manager



VICINITY MAP
N.T.S.

ADDITIONAL PLAN SETS PROVIDED UNDER SEPARATE COVER:

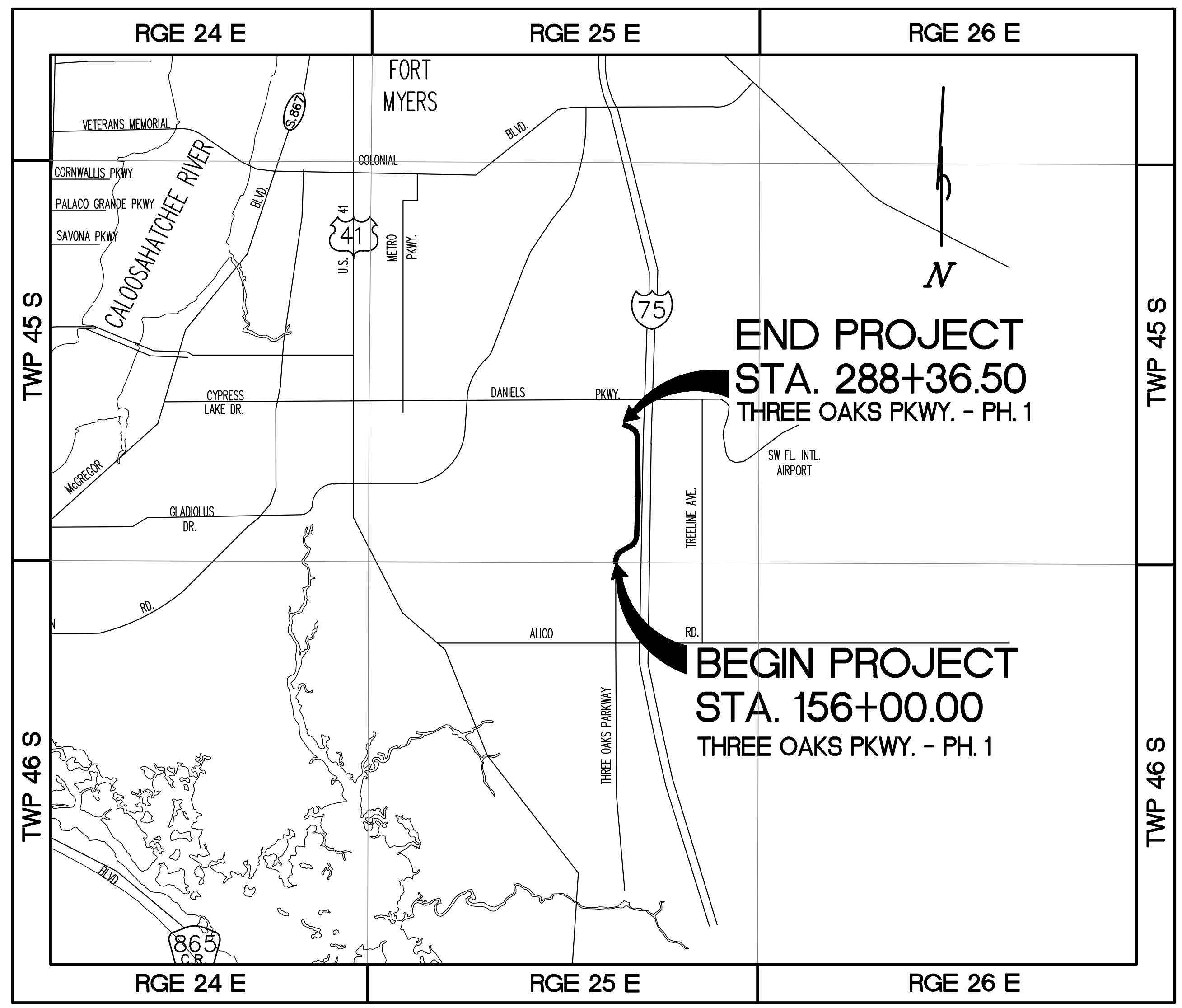
UTILITY ADJUSTMENT PLANS
BOX CULVERT PLANS
SIGNAGE AND PAVEMENT MARKING PLANS
RIGHT OF WAY MAPS

THIS CONTRACT PLAN SET INCLUDES

ROADWAY PLANS

INDEX OF ROADWAY PLANS

1	COVER SHEET
2–3	SUMMARY OF PAY ITEMS
4–5	DRAINAGE BASINS MAP
6–7	DRAINAGE SYSTEM PROFILE
8	TYPICAL SECTIONS
9–12	SUMMARY OF DRAINAGE STRUCTURES
13–14	DRAINAGE STRUCTURE DATA
15–16	PROJECT LAYOUT
17	GENERAL NOTES
18–36	ROADWAY PLAN & PROFILE (THREE OAKS PKWY. EXT.)
37	INTERSECTION DETAIL
38–57	DRAINAGE STRUCTURES
58	SECTIONS AT BOX CULVERTS
59	LAKE–A DETAIL PLAN
60	LAKE–B DETAIL PLAN
61	LAKE–C SOUTH DETAIL PLAN
62	LAKE–C NORTH DETAIL PLAN
63–64	LAKE SECTIONS
65	CONTROL STRUCTURES AND MISC. DETAILS
66	ENDWALL RIPRAP DETAILS
67–121	ROADWAY CROSS SECTIONS
122	ROADWAY SOIL SURVEY
123–124	STORMWATER POLLUTION PREVENTION PLAN
125–127	EROSION CONTROL PLAN
128	LAKE–A LITTORAL PLANTINGS
129	LAKE–B LITTORAL PLANTINGS
130–131	LAKE–C LITTORAL PLANTINGS
132	LITTORAL PLANTING DETAILS



LOCATION MAP
N.T.S.

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: JACK SCHRAGER, P.E.
FL. LICENSE NO. 24070

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\COVER.dwg, 1 COVER SHEET, 6/16/2020 11:34:00 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

COVER SHEET
THREE OAKS PKWY EXT.

SHEET 1 of 132

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.

110-1-1 QUANTITY SHALL INCLUDE 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.

110-4-10 PAY ITEM SHALL INCLUDE REMOVAL AND DISPOSAL OF EXISTING FENCE AS INDICATED ON THE PLANS.

285-709 OPTIONAL BASE GROUP SHALL INCLUDE BITUMINOUS MATERIAL (PRIME AND TACK COAT) AS REQUIRED FOR SPECIFIC BASE OPTION SELECTED. THE FOLLOWING ARE EXCLUDED FROM USE:
- CEMENTED COQUINA
- SHELL BASE/BANK RUN SHELL
- SHELL ROCK

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.

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	
104-11	TURBIDITY BARRIER (FLOATING)	1,800	LF	
104-10-3	SEDIMENT BARRIER - SILT FENCE STAKED (TYPE III)	30,998	LF	
104-18	INLET PROTECTION SYSTEM	97	EA	
104-15	SOIL TRACKING PREVENTION DEVICE	1	EA	TEMP. CONSTRUCTION ENTRANCE
104-100	NPDES POLLUTION CONTROL	1	LS	NPDES POLLUTION CONTROL
110-1-1	CLEARING AND GRUBBING	98	AC	PROJECT ROW AREA (97.58 ACRES +/-)
110-4-10	REMOVAL OF EXISTING CONCRETE	223	SY	INCLUDES SIDEWALK AND CURB & GUTTER
120-1	EXCAVATION REGULAR	267,481	CY	
120-6	EMBANKMENT (ON SITE) - IN PLACE	224,291	CY	
160-4	STABILIZATION TYPE B (12")	96,944	SY	
285-709	OPTIONAL BASE (BASE GROUP #09)	81,977	SY	
327-70-1	MILLING EXIST ASPH PAVT (1" AVG DEPTH)	360	SY	
334-1-13 (SURF)	SUPERPAVE ASPHALTIC CONCRETE TYPE SP-9.5 (1")	4,509	TN	SURFACE COURSE (NOT IN THIS CONTRACT)
334-1-13 (STR)	SUPERPAVE ASPHALTIC CONCRETE TYPE SP-12.5 (2.5")	11,222	TN	STRUCTURAL COURSE
339-1	MISCELLANEOUS ASPHALT PAVEMENT	16	TN	2" THICK PAVEMENT AT GUARDRAIL
400-1-2	CONCRETE CLASS I (ENDWALLS) (INCLUDES REINFORCEMENT)	70.2	CY	
425-1-351	INLETS (CURB) (TYPE P-5) (<10')	13	EA	
425-1-361	INLETS (CURB) (TYPE P-6) (<10')	35	EA	
425-1-452	INLETS (CURB) (TYPE J-5) (>10')	1	EA	
425-1-461	INLETS (CURB) (TYPE J-6) (<10')	7	EA	
425-1-462	INLETS (CURB) (TYPE J-6) (>10')	10	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')	2	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)	16	EA	
425-5	ADJUST MANHOLE (STORM DRAIN)	1	EA	CONNECT LAKE 'A' OUTFALL TO EXIST. INLET
430-175-118	PIPE CULVERT OPTIONAL MATERIAL (18" RCP)	3,069	LF	
430-175-124	PIPE CULVERT OPTIONAL MATERIAL (24" RCP)	1,643	LF	
430-175-130	PIPE CULVERT OPTIONAL MATERIAL (30" RCP)	2,059	LF	
430-175-136	PIPE CULVERT OPTIONAL MATERIAL (36" RCP)	1,914	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)	150	LF	
430-982-625	MITERED END SECTION (23" x 14")	1	EA	
520-1-10	CONCRETE CURB AND GUTTER (TYPE F)	52,863	LF	INCL. RAMPS , CURB FLARED ENDS & DROP CURB
522-2	SIDEWALK CONCRETE (6" THICK)	20,948	SY	INCLUDES ACCESS DRIVES
527-2	DETECTABLE WARNINGS	2	EA	
530-3-4	RIP RAP RUBBLE - DITCH LINING (FDOT SPECIFICATION SECTION 530)	371	TN	INCLUDES FILTER FABRIC (FDOT SPEC. SECTION 514)
536-1-0	GUARDRAIL (ROADWAY, W-BEAM GENERAL) TL-3	526	LF	
536-85-24	GUARDRAIL END TREATMENT - PARALLEL APPROACH TERMINAL	2	EA	
536-85-26	GUARDRAIL END TREATMENT - TYPE CRT	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)	179,926	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.

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

NOTE:
QUANTITIES SHOWN ARE PRELIMINARY. INFORMATION PROVIDED IN THIS 90% DRAWING SET IS SUBJECT TO CHANGE AS MORE DETAILED DESIGN PROGRESSES.

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\SUM_PAY-ITEMS.dwg, 3 SUMMARY OF PAY ITEMS, 6/16/2020 11:34:09 AM, Avalon Engineering Inc.

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	
TURNOUT CONSTRUCTION STA 281+76	0	
LAKE 'A'	85,881	
LAKE 'B'	81,481	
LAKE 'C'	99,506	
SWALES (RIPRAP AREAS AT ENDWALLS)	363	
SUB TOTAL	267,481	
EMBANKMENT (PAY ITEM 120-6)	P	F
THREE OAKS PARKWAY EXTENSION	178,268	
TURNOUT CONSTRUCTION STA 281+76	130	
LAKE 'A'	8,805	
LAKE 'B'	4,804	
LAKE 'C'	32,284	
SWALES	0	
TOTAL VOLUME REQUIRED	224,291	
	P	F
EXCESS MATERIAL	-43,190	

EARTHWORK NOTES:

1. 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.
2. ALL EXCAVATIONS & EMBANKMENTS QUANTITIES ARE IN PLACE VOLUMES WITH NO FACTORS APPLIED; INCLUDING SHRINKAGE OR EXPANSION FACTORS OR ADJUSTMENTS FOR DRAINAGE STRUCTURES AND PIPES.
3. EARTHWORK QUANTITIES CALCULATED USING THE AVERAGE END AREA METHOD.
4. 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.
5. 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+27.34	Lt.	269	8 TON
157+36.63		160+03.19	Rt.	257	8 TON
			TOTALS	526	16 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	536-85-26
157+36.63	Rt.	APPROACH	1	
157+69.00	Lt.	TRAILING		1
160+03.19	Rt.	TRAILING		1
160+27.34	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
EW-C12	275+04.32	60.00' Lt.	24"	2.24
EW-C13	274+02.77	60.00' Rt.	24"	2.24
	TOTAL VOLUME			70.17

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
			TOTAL L.F.	52863	

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
EW-C12	275+04.32	60.00' LT.	514	24	54.8
EW-C13	274+02.77	60.00' RT.	340	24	36.3
TOTAL TONNAGE					371

1. RUBBLE RIPRAP TONNAGE CALCULATED PER FDOT BASIS OF ESTIMATES 530 PAY ITEM.
2. REFER TO 8'x3' BOX CULVERT PLANS 9UNDER SEPARATE COVER) 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	237,301
MINUS PAVEMENT AREA	-81,977
MINUS CURB & GUTTER AREA	-11,747
MINUS 6" WALK AREA	-20,948
MINUS GUARDRAIL PAVEMENT AREA	-144
MINUS RIPRAP AREA	-597
NET SODDING R/W AREA	121,888
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
TOTAL SODDING AREA	179,215

SODDING NOTES:

1. WATER SURFACE AREA IS AT LAKE CONTROL ELEVATION.
2. SODDING AT MITERED END SECTIONS INCLUDED IN THIS SUMMARY OF SODDING QUANTITY.
3. 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.	189	MILLED AREA
156+00.00		156+24.00	Rt.	171	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. (1" SP 9.5)				81,977	4,509 TON
TOTAL S.Y. (2.5" SP 12.5) EXCLUDES MILLED AREA				81,617	11,222 TON

ASPHALTIC CONCRETE PAVEMENT NOTES:

1. ASPHALT TONNAGE BASED UPON 110 lb./Sq. YD./INCH THICKNESS.
2. 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+44.58	Lt.	16	CURB RETURN LEFT
156+44.58		157+53.66	Lt.	24	CURB LEFT
156+09.20		157+53.66	Rt.	82	WALK LEFT
156+00.00		156+44.59	Lt.	18	CURB RETURN RIGHT
156+05.25		157+53.67	Rt.	83	WALK RIGHT
			TOTAL S.Y.	223	

SUMMARY OF STABILIZATION (PAY ITEM 160-4)

LOCATION				S.Y.	COMMENT
STATION	TO	STATION	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

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

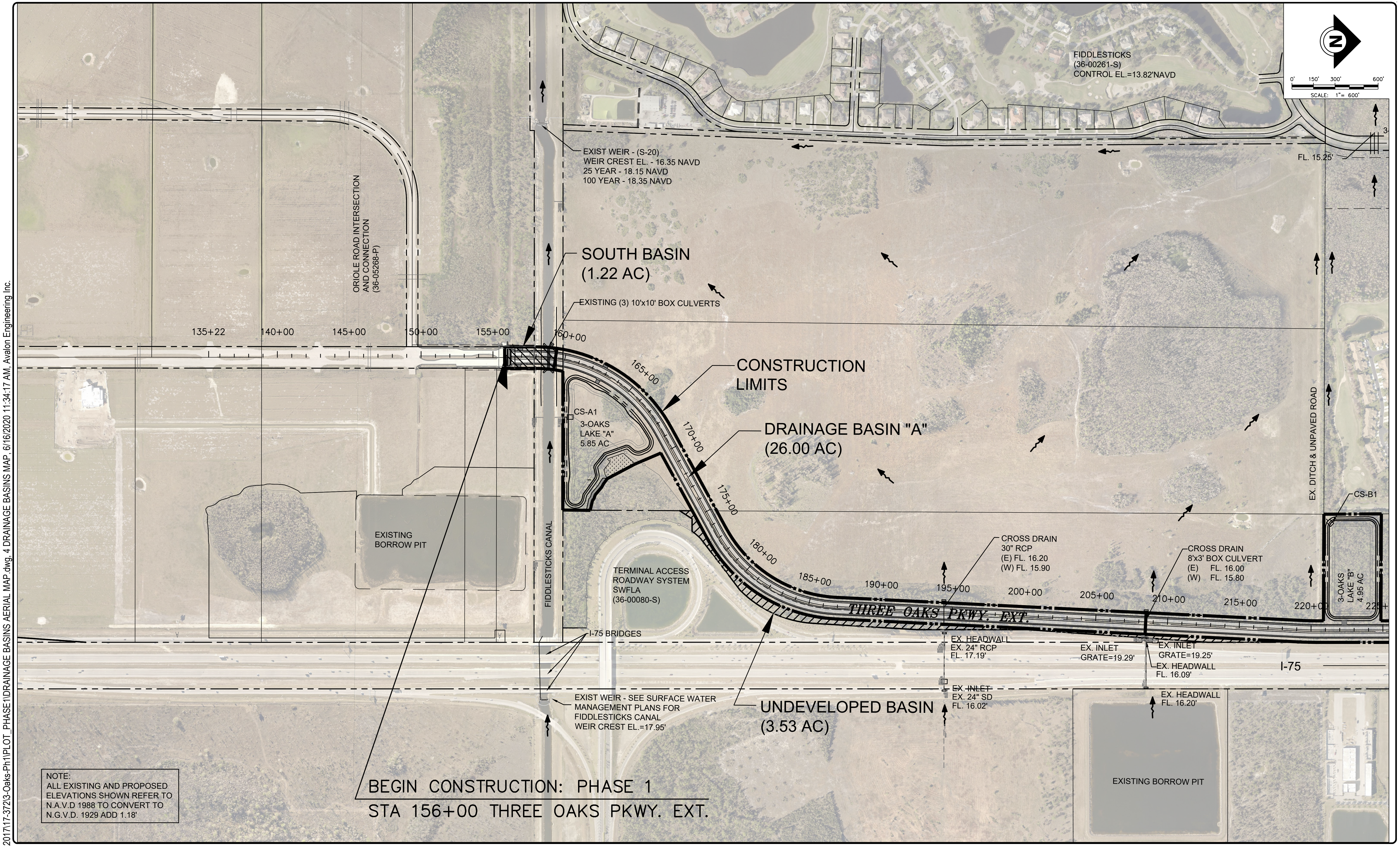
AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

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 PAY ITEMS
THREE OAKS PKWY EXT.



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\DRAINAGE BASINS\DRAINAGE BASINS AERIAL MAP.dwg, 4 DRAINAGE BASINS MAP, 6/16/2020 11:34:17 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

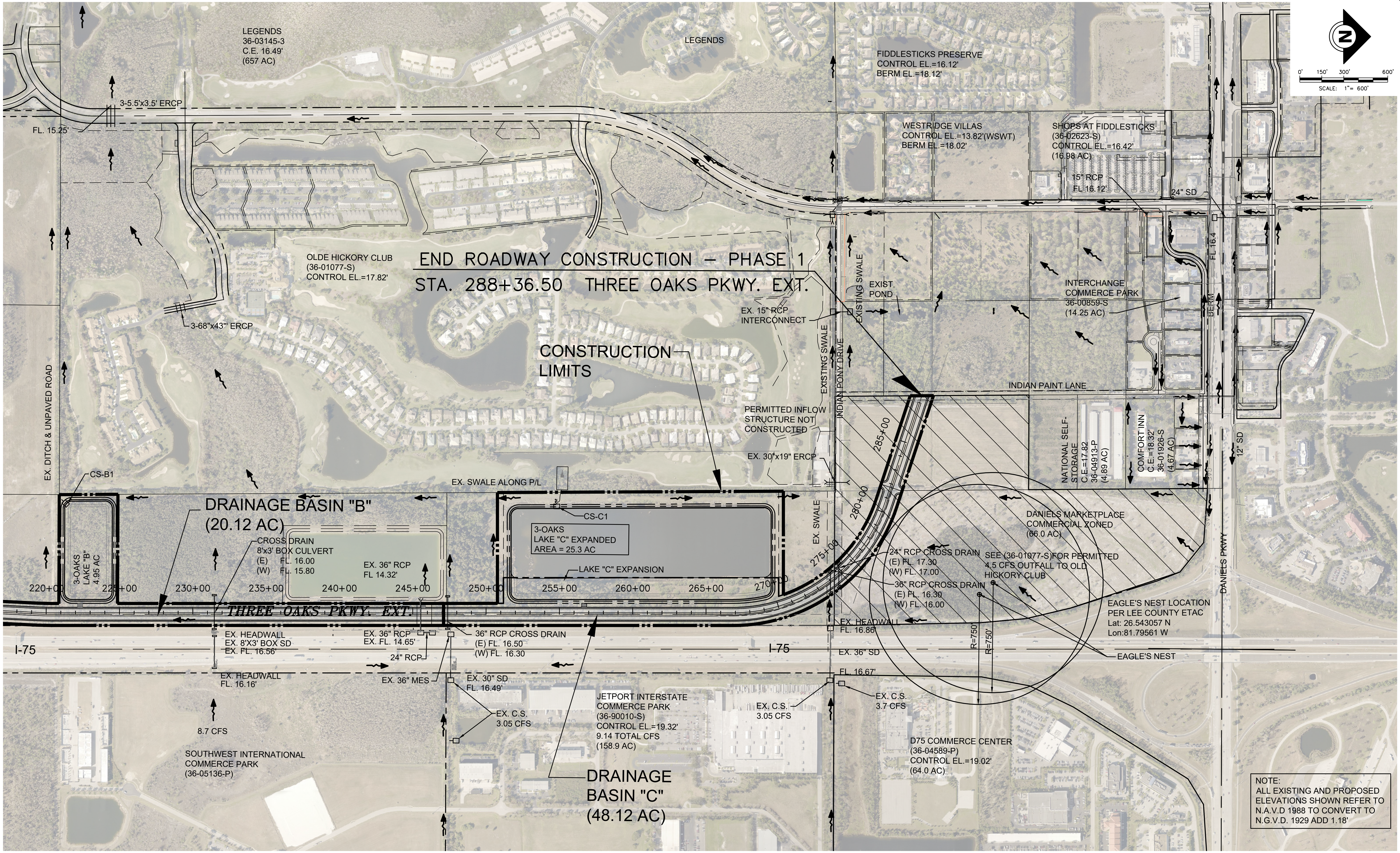
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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

DRAINAGE BASINS MAP
THREE OAKS PKWY EXT.

SHEET
4 of 132

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\DRAINAGE BASINS AERIAL MAP.dwg, 5 DRAINAGE BASINS MAP, 6/16/2020 11:34:29 AM, Avalon Engineering Inc.



DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

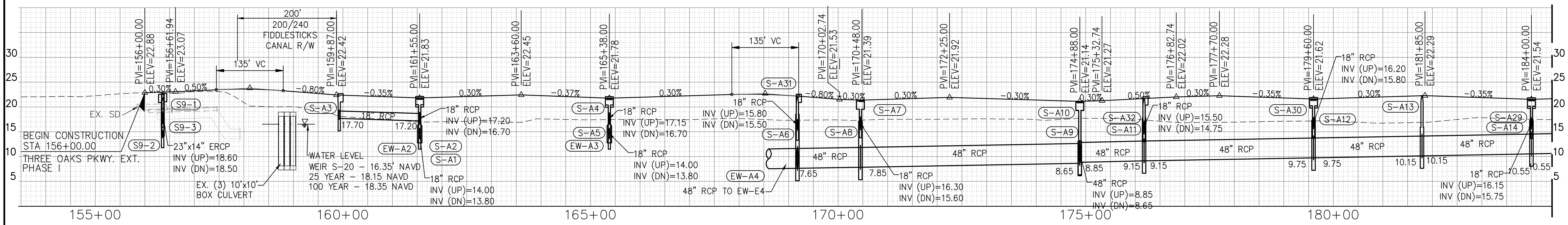
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

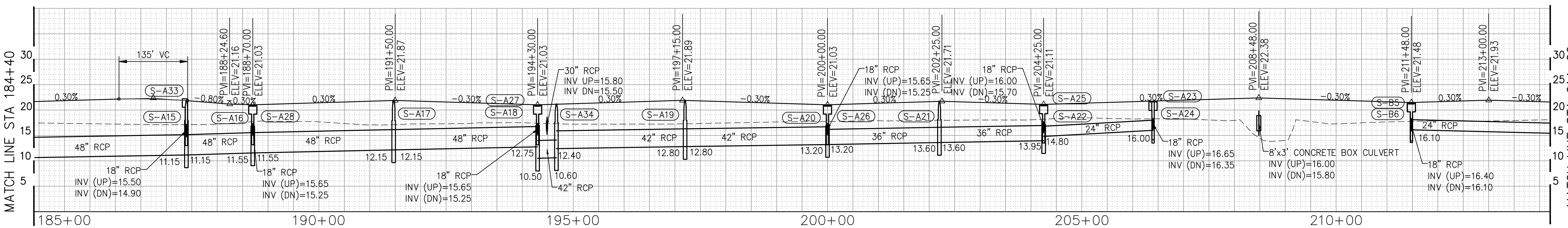
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

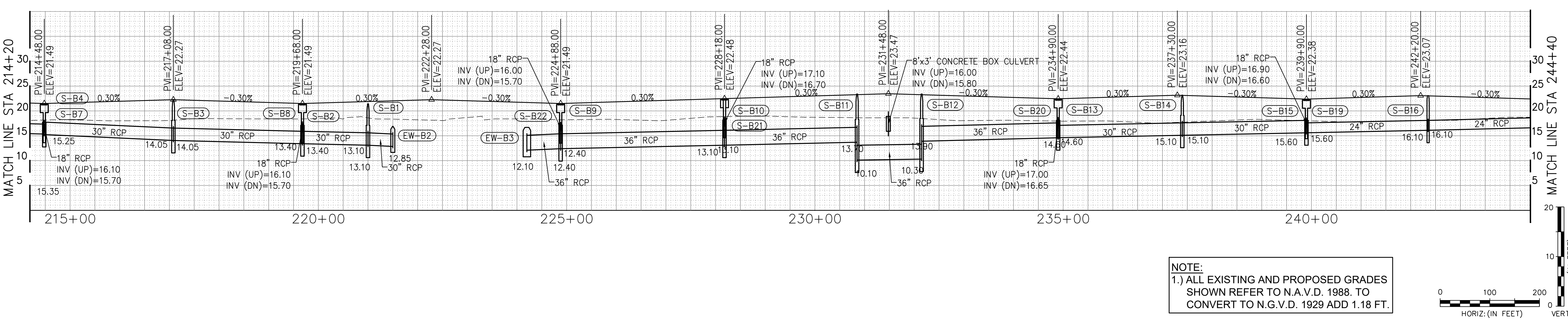
THREE OAKS PARKWAY EXTENSION
PHASE I: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

DRAINAGE BASINS MAP
THREE OAKS PKWY EXT.

SHEET
5 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.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

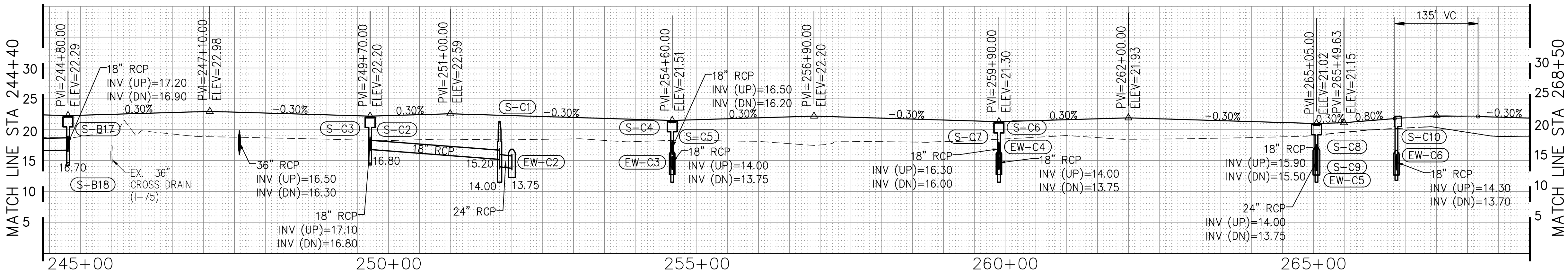
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

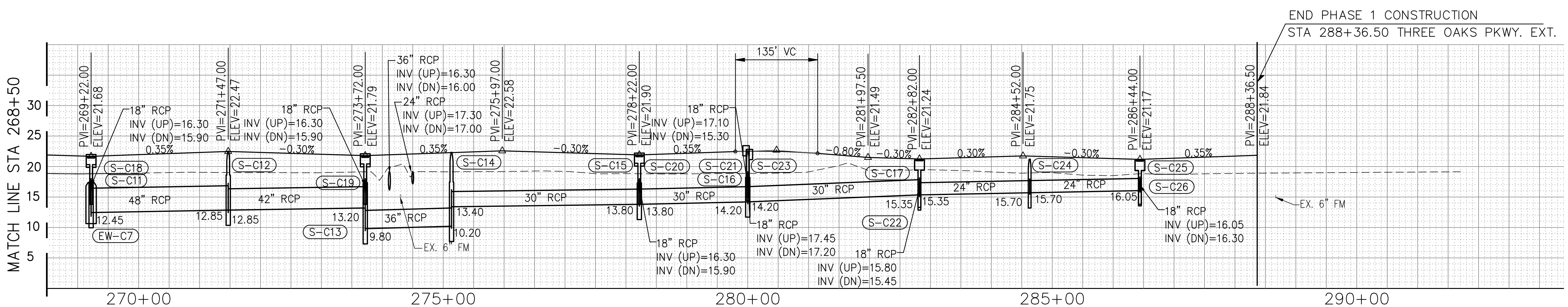
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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

DRAINAGE SYSTEM PROFILE
THREE OAKS PKWY EXT.

SHEET 6 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.

0 100 200
HORIZ: (IN FEET)
0 10 20 (IN FEET)
VERT:

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\17-372_PROFILE_100SC.dwg, 7 DRAINAGE SYSTEM PROFILE, 6/16/2020 11:34:59 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

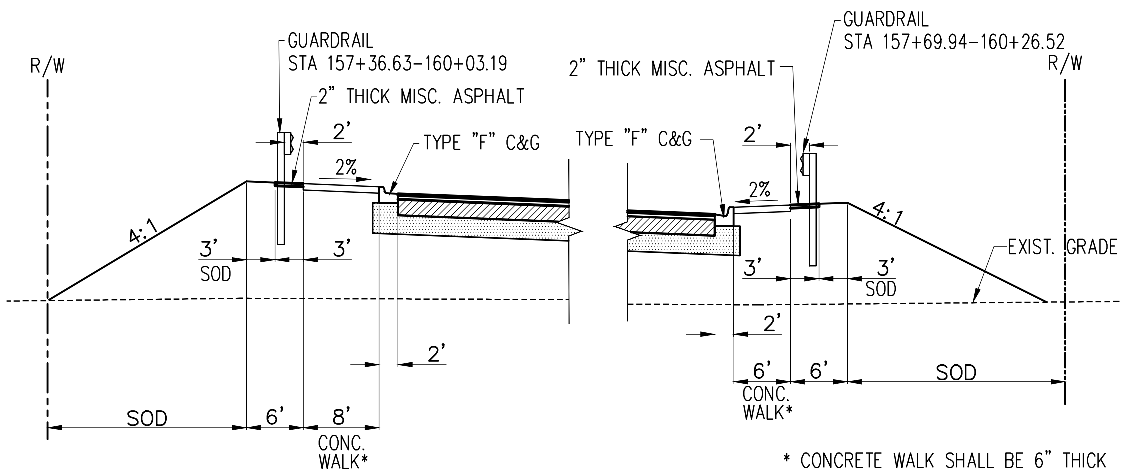
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

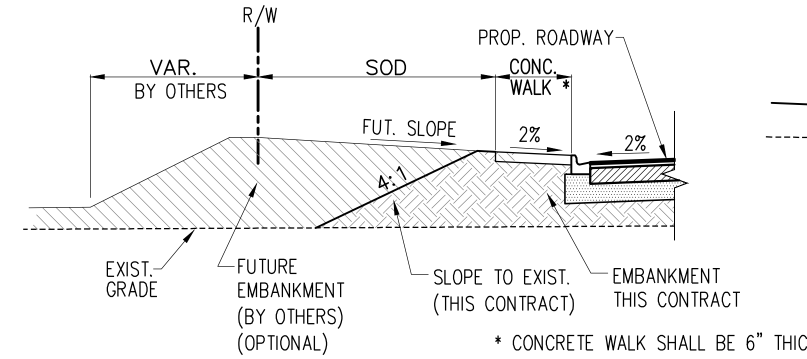
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

DRAINAGE SYSTEM PROFILE
THREE OAKS PKWY EXT.

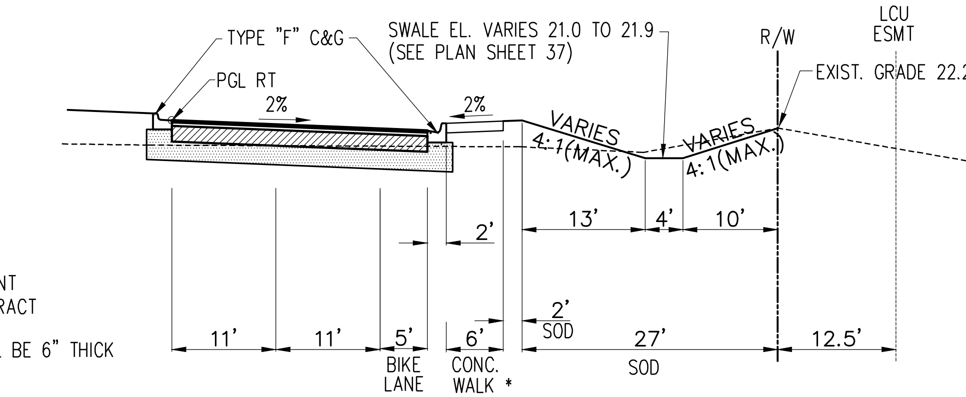
SHEET
7 of 132



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



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

THREE OAKS PKWY EXTENSION PAVEMENT

SURFACE COURSES

TYPE "SP-9.5" SURFACE COURSE (1") – FUTURE CONTRACT
TYPE "SP-12.5" STRUCTURAL COURSE (2.5")

BASE COURSE PERMITTED

(OPTIONAL BASE GROUP 9)

SUBGRADE

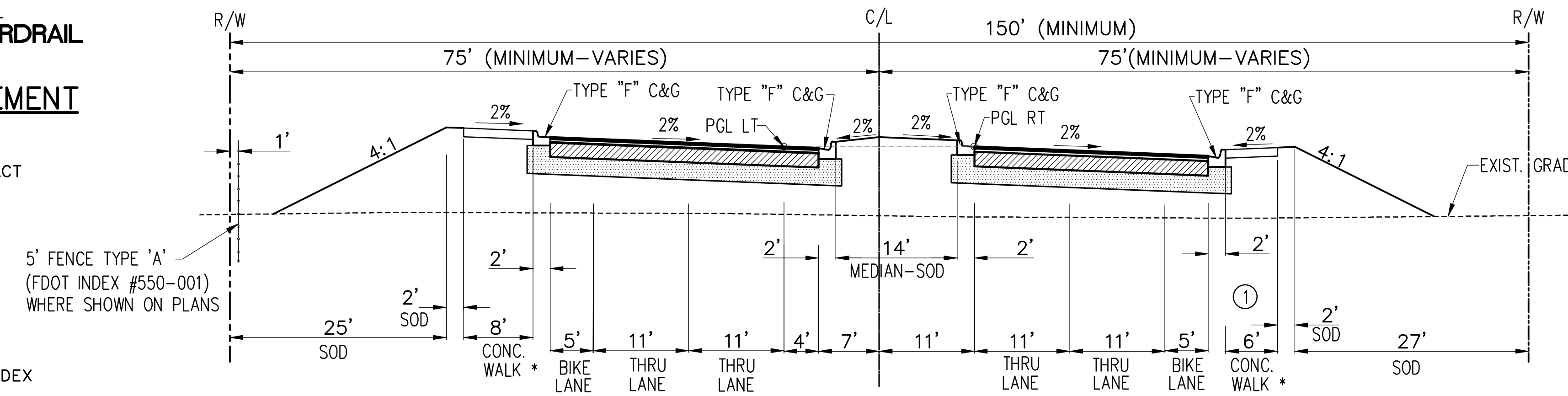
12" TYPE B STABILIZATION (MIN. LBR 40)

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)



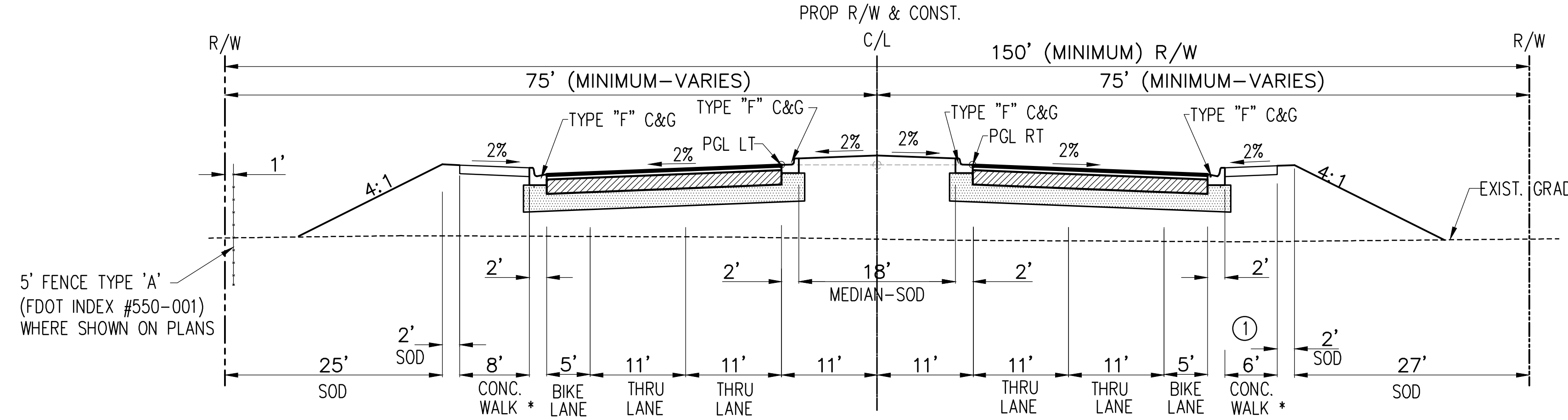
① CONCRETE WALK WIDTH:
6' WIDE STA 256+00 – 273+94.44
8' WIDE STA 273+94.44 – 288+36.50

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.

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

* CONCRETE WALK SHALL BE 6" THICK

PROP R/W & CONST.



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.

* CONCRETE WALK SHALL BE 6" THICK

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

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

NEW PAV'T SECTION

MINIMUM PAVEMENT ELEVATIONS AT PROFILE GRADE LINE (PGL) FOR SFWMD PERMITTING

BASIN	25 YEAR-3 DAY DESIGN STAGE	MIN. PGL ELEVATION
BASIN A	20.37'NAVD	21.03' NAVD
BASIN B	20.57'NAVD	21.49'NAVD
BASIN C	19.57'NAVD	21.24'NAVD
SOUTH BASIN	20.37'NAVD(BASIN A)	22.80'NAVD

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\TYP-SECT.dwg, 8 TYPICAL SECTIONS, 6/23/2020 1:55:50 PM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
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 I: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

TYPICAL SECTIONS
THREE OAKS PKWY EXT.

SHEET 8 of 132

QUANTITY					DRAINAGE PIPE							CURB INLET					MANHOLE				DITCH BOTTOM	CONTROL STRUCTURE 425-1-559	430-175-218	REMARKS
					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	INLET 425-1-521			
	No. STR	SIDE	STATION	DESCRIPTION	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'	TYPE 'E' (MOD.)	23"x14" MES	
P	S-A1	RT	161+55.00	INLET, PIPE	75									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	75									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						438						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	837	211	0	415	523	2583	0	3	0	9	2	7	0	0	0	7		0	0	

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\SUMDS.dwg, 9 SUMMARY OF, 6/16/2020 11:35:11 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

QUANTITY					DRAINAGE PIPE							CURB INLET					MANHOLE				DITCH BOTTOM	CONTROL STRUCTURE 425-1-559	430-175-218	REMARKS
					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	INLET 425-1-521			
	No. STR	SIDE	STATION	DESCRIPTION	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'	TYPE 'E' (MOD.)	23"x14" MES	
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-B1	LT	221+00.00	MANHOLE, PIPE			80													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				113								1								
F																								
P	S-B10	LT	228+18.00	INLET, PIPE				325					1											
F																								
P	S-B11	LT	231+29.00	MANHOLE, PIPE				262												1				
F																								
P	S-B12	LT	231+65.00	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																								
				SHEET TOTAL	683	781	1207	1095	34	0	0	3	1	10	4	1	0	1	0	6		0	0	

QUANTITY					DRAINAGE PIPE							CURB INLET					MANHOLE				DITCH BOTTOM	CONTROL STRUCTURE 425-1-559	430-175-218	REMARKS
	No. STR	SIDE	STATION	DESCRIPTION	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	INLET 425-1-521			
					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'	TYPE 'E' (MOD.)	23"x14" MES	
P	S-B21	RT	228+18.00	INLET, PIPE	74							1												
F																								
P	S-B22	RT	224+88.00	INLET, PIPE	74									1										
F																								
P	S-C1	LT	251+80.00	MANHOLE, PIPE		61													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	75									1										
F																								
P	S-C5	RT	254+60.00	INLET, PIPE	76									1										
F																								
P	S-C6	LT	259+90.00	INLET, PIPE	75									1										
F																								
P	S-C7	RT	259+90.00	INLET, PIPE	76									1										
F																								
P	S-C8	LT	265+05.00	INLET, PIPE		75								1										
F																								
P	S-C9	RT	265+05.00	INLET, PIPE	76									1										
F																								
P	S-C10	RT	266+34.63	INLET, PIPE	120							1												
F																								
P	S-C11	LT	269+22.00	INLET, PIPE						83						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	276+35.00	MANHOLE, PIPE				132												1				
F																								
P	S-C15	LT	278+22.00	INLET, PIPE			290								1									
F																								
P	S-C16	LT	280+00.00	MANHOLE, PIPE			166													1				
F																								
P	S-C17	LT	282+82.00	INLET, PIPE			276							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+00.00	INLET, PIPE	53							1												
F																								
P	S-C22	RT	282+82.00	INLET, PIPE	76									1										
F																								
P	S-C23	RT	280+00.00	INLET, PIPE	31							1												
F																								

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

QUANTITY	No. STR	SIDE	STATION	DESCRIPTION	DRAINAGE PIPE 430-175-118	DRAINAGE PIPE 430-175-124	DRAINAGE PIPE 430-175-130	DRAINAGE PIPE 430-175-136	DRAINAGE PIPE 430-175-142	DRAINAGE PIPE 430-175-148	DRAINAGE PIPE 430-175-218	CURB INLET 425-1-351	CURB INLET 425-1-152	CURB INLET 425-1-361	CURB INLET 425-1-461	CURB INLET 425-1-462	MANHOLE 425-2-41	MANHOLE 425-2-61	MANHOLE 425-2-91	MANHOLE 425-2-92	DITCH BOTTOM INLET 425-1-521	CONTROL STRUCTURE 425-1-559	430-175-218	REMARKS
					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'	TYPE 'E' (MOD.)	23"x14" MES	
				SHEET TOTAL	1210	136	732	132	211	294	0	4	0	14	1	2	0	0	1	3		0		
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	CS-A1	RT	161+62.69	INLET, PIPES							38											1		LAKE "A"
F																								
P	CS-B1	LT	221+53.07	INLET, PIPE							28											1		LAKE "B"
F																								
P	CS-C1	LT	254+82.75	INLET, PIPE							70											1		LAKE "C"
F																								
P	MES-B1	LT	220+92.92	MES, PIPE																			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			120																	
F																								
P	EW-B1	LT	221+41.59	ENDWALL,PIPE	19																			TO CS-B1
F																								
P	EW-C1	LT	254+82.80	ENDWALL,PIPE	18																			TO CS-C1
F																								
P	EW-C9	RT	247+58.00	ENDWALL,PIPE				120																
F																								
P	EW-C11	RT	273+97.73	ENDWALL,PIPE				152																
F																								
P	EW-C13	RT	274+02.77	ENDWALL,PIPE		157																		
F																								
				SHEET TOTAL	339	515	120	272	0	0	150	3	0	2	0	0	2	1	0	0	1	3	1	
				PLAN TOTAL	3069	1643	2059	1914	768	2877	150	13	1	35	7	10	2	2	1	16	1	3	1	
				FINAL TOTAL																				

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\SUMDS.dwg, 12 SUMMARY OF, 6/16/2020 11:35:24 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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 I: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

SUMMARY OF DRAINAGE STRUCTURES

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=12.00
INV IN (W)= 16.70 18" RCP
INV OUT (E)= 14.00 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=12.00
INV IN (NW)= 16.70 18" RCP
INV OUT (SE)= 14.00 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=22.04
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=21.23
LIP/EOP ELEV=20.85
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=21.23
LIP/EOP ELEV=20.85
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=20.97
LIP/EOP ELEV=20.60
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=20.97
LIP/EOP ELEV=20.60
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=21.73
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=21.45
LIP/EOP ELEV=21.08
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=22.31
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=21.38
LIP/EOP ELEV=21.00
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=21.88
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=20.87
LIP/EOP ELEV=20.49
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=21.90
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=20.87
LIP/EOP ELEV=20.49
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=21.91
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=20.87
LIP/EOP ELEV=20.49
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=21.73
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=20.94
LIP/EOP ELEV=20.57
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=21.59
LIP/EOP ELEV=21.21
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=21.59
LIP/EOP ELEV=21.21
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=20.94
LIP/EOP ELEV=20.57
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=20.87
LIP/EOP ELEV=20.49
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=20.87
LIP/EOP ELEV=20.49
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=20.87
LIP/EOP ELEV=20.49
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=21.84
LIP/EOP ELEV=21.46
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=21.91
LIP/EOP ELEV=21.54
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=22.57
LIP/EOP ELEV=22.20
SUMP=13.80
INV OUT (SE)= 15.80 18" RCP

S–A32
CONST. CURB INLET TYPE 'P–5' <10'
FDOT Index No. 425–021
STA 176+17.75 (5.75 R)
RIM ELEV=22.06
LIP/EOP ELEV=21.69
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=22.21
LIP/EOP ELEV=21.83
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=21.18
SUMP=8.60
INV IN (N)= 12.40 42" RCP
INV OUT (S)= 10.60 42" RCP

S–B1
CONST. MANHOLE TYPE 'J–8' >10'
FDOT Index No. 425–001
STA 221+00.00 (–60.00 L)
RIM=21.40
SUMP=11.10
INV IN (S)= 13.10 30" RCP
INV OUT (NW)= 13.10 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=21.32
LIP/EOP ELEV=20.95
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=22.30
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=21.32
LIP/EOP ELEV=20.95
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=21.31
LIP/EOP ELEV=20.94
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=21.31
LIP/EOP ELEV=20.94
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=21.32
LIP/EOP ELEV=20.95
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=21.32
LIP/EOP ELEV=20.95
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=21.32
LIP/EOP ELEV=20.95
SUMP=10.40
INV IN (E)= 15.70 18" RCP
INV IN (N)= 12.40 36" RCP
INV OUT (SW)= 12.40 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=22.31
LIP/EOP ELEV=21.94
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 (–52.00 L)
RIM=23.40
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 (–52.00 L)
RIM=23.39
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=22.28
LIP/EOP ELEV=21.90
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=23.17
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. 425–001
STA 239+90.00 (–39.25 L)
RIM ELEV=22.22
LIP/EOP ELEV=21.84
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=23.06
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=22.13
LIP/EOP ELEV=21.75
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=22.13
LIP/EOP ELEV=21.75
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=22.22
LIP/EOP ELEV=21.84
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=22.28
LIP/EOP ELEV=21.90
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=22.31
LIP/EOP ELEV=21.94
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=21.32
LIP/EOP ELEV=20.95
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.

DRAINAGE STRUCTURES

S-C1
CONST. MANHOLE TYPE 'J-8' <10'
FDOT Index No. 425-001
STA 251+80.00 (-64.00 L)
RIM=21.35
SUMP=12.00
INV IN (S)= 15.20 18" RCP
INV OUT (W)= 14.00 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=22.04
LIP/EOP ELEV=21.66
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=22.04
LIP/EOP ELEV=21.66
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=21.35
LIP/EOP ELEV=20.97
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=21.35
LIP/EOP ELEV=20.97
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=21.14
LIP/EOP ELEV=20.76
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=21.14
LIP/EOP ELEV=20.76
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=20.85
LIP/EOP ELEV=20.48
SUMP=12.00
INV IN (E)= 15.50 18" RCP
INV OUT (W)= 14.00 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=20.85
LIP/EOP ELEV=20.48
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=22.19
LIP/EOP ELEV=21.82
SUMP=12.30
INV OUT (W)= 14.30 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=21.52
LIP/EOP ELEV=21.14
SUMP=10.45
INV IN (NW)= 12.45 48" RCP
INV IN (E)= 15.90 18" RCP
INV OUT (W)= 12.45 48" RCP

S-C12
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 271+47.00 (-52.00 L)
RIM=22.51
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=21.63
LIP/EOP ELEV=21.26
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=22.33
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=21.74
LIP/EOP ELEV=21.37
SUMP=11.80
INV IN (W)= 13.80 30" RCP
INV IN (NE)= 15.90 18" RCP
INV OUT (SE)= 13.80 30" RCP

S-C16
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 280+00.00 (-52.00 L)
RIM=22.55
SUMP=12.20
INV IN (W)= 14.20 30" RCP
INV IN (N)= 15.30 18" RCP
INV OUT (E)= 14.20 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=21.08
LIP/EOP ELEV=20.70
SUMP=13.35
INV IN (N)= 15.45 18" 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=21.98
LIP/EOP ELEV=21.60
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=22.09
LIP/EOP ELEV=21.72
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=22.20
LIP/EOP ELEV=21.83
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+00.00 (5.75 R)
RIM ELEV=22.81
LIP/EOP ELEV=22.43
SUMP=15.10
INV IN (N)= 17.20 18" RCP
INV OUT (S)= 17.10 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=21.08
LIP/EOP ELEV=20.70
SUMP=13.80
INV OUT (S)= 15.80 18" RCP

S-C23
CONST. CURB INLET TYPE 'P-5' <10'
FDOT Index No. 425-021
STA 280+00.00 (39.25 R)
RIM ELEV=23.43
LIP/EOP ELEV=23.05
SUMP=15.45
INV OUT (S)= 17.45 18" RCP

S-C24
CONST. MANHOLE TYPE 'P-8' <10'
FDOT Index No. 425-001
STA 284+63.00 (-52.00 L)
RIM=21.21
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=21.02
LIP/EOP ELEV=20.64
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=21.02
LIP/EOP ELEV=20.64
SUMP=14.30
INV OUT (S)= 16.30 18" RCP

ENDWALLS

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

EW-A2
CONST. 18" STRAIGHT CONC. ENDWALL
FDOT Index No. 430-030
STA 161+55.00 (116.00 R)
INV IN (W)= 13.80 18" RCP

EW-A3
CONST. 18" STRAIGHT CONC. ENDWALL
FDOT Index No. 430-030
STA 165+38.00 (116.00 R)
INV IN (NW)= 13.80 18" RCP

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

EW-A5
CONST. 30" STRAIGHT CONC. ENDWALL
FDOT INDEX 430-030
STA 194+48.52 (-60.00 L)
INV IN (E)= 15.50 30" RCP

EW-A6
CONST. 30" STRAIGHT CONC. ENDWALL
FDOT INDEX 430-030
STA 194+48.52 (60.00 R)
INV OUT (W)= 15.80 30" RCP

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

EW-B2
CONST. 30" STRAIGHT CONC. ENDWALL
FDOT Index No. 430-030
STA 221+50.00 (-127.00 L)
INV IN (SE)= 12.85 30" RCP

EW-B3
CONST. 36" STRAIGHT CONC. ENDWALL
FDOT Index No. 430-030
STA 224+20.00 (-133.00 L)
INV IN (NE)= 12.10 36" RCP

EW-C1
CONST. 18" STRAIGHT CONC. ENDWALL
FDOT INDEX 425-030
STA 254+82.80 (-704.39 L)
INV OUT (W)= 13.80 18" RCP

EW-C2
CONST. 24" STRAIGHT CONC. ENDWALL
FDOT Index No. 430-030
STA 252+00.00 (-124.00 L)
INV IN (E)= 13.75 24" RCP

EW-C3
CONST. 18" STRAIGHT CONC. ENDWALL
FDOT Index No. 430-030
STA 254+60.00 (-116.00 L)
INV IN (E)= 13.75 18" RCP

EW-C4
CONST. 18" STRAIGHT CONC. ENDWALL
FDOT Index No. 430-030
STA 259+90.00 (-116.00 L)
INV IN (E)= 13.75 18" RCP

EW-C5
CONST. 24" STRAIGHT CONC. ENDWALL
FDOT Index No. 430-030
STA 265+05.00 (-116.00 L)
INV IN (E)= 13.75 24" RCP

EW-C6
CONST. 18" STRAIGHT CONC. ENDWALL
FDOT Index No. 430-030
STA 266+34.63 (-116.00 L)
INV IN (E)= 13.70 18" RCP

EW-C7
CONST. 48" STRAIGHT CONC. ENDWALL
FDOT Index No. 430-030
STA 269+22.00 (-124.27 L)
INV IN (E)= 12.25 48" RCP

EW-C8
CONST. 36" STRAIGHT CONC. ENDWALL
FDOT Index No. 430-030
STA 247+58.00 (-60.00 L)
INV IN (E)= 16.30 36" RCP

EW-C9
CONST. 36" STRAIGHT CONC. ENDWALL
FDOT Index No. 430-030
STA 247+58.00 (60.00 R)
INV OUT (W)= 16.50 36" RCP

EW-C10
CONST. 36" STRAIGHT CONC. ENDWALL
FDOT Index No. 430-030
STA 274+55.86 (-60.00 L)
INV IN (E)= 16.00 36" RCP

EW-C11
CONST. 36" STRAIGHT CONC. ENDWALL
FDOT Index No. 430-030
STA 273+62.34 (60.00 R)
INV OUT (W)= 16.30 36" RCP

EW-C12
CONST. 24" STRAIGHT CONC. ENDWALL
FDOT Index No. 430-030
STA 275+04.32 (-60.00 L)
INV IN (E)= 17.00 24" RCP

EW-C13
CONST. 24" STRAIGHT CONC. ENDWALL
FDOT Index No. 430-030
STA 274+02.77 (60.00 R)
INV OUT (W)= 17.30 24" 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+82.75 (-724.64 L)
CONST. FDOT Index No. 425-052
Inlet Type "E" (Modified)
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 (18"RCP)
INV OUT (W)=17.75 (23"x14" ERCP)

MITERED END SECTIONS

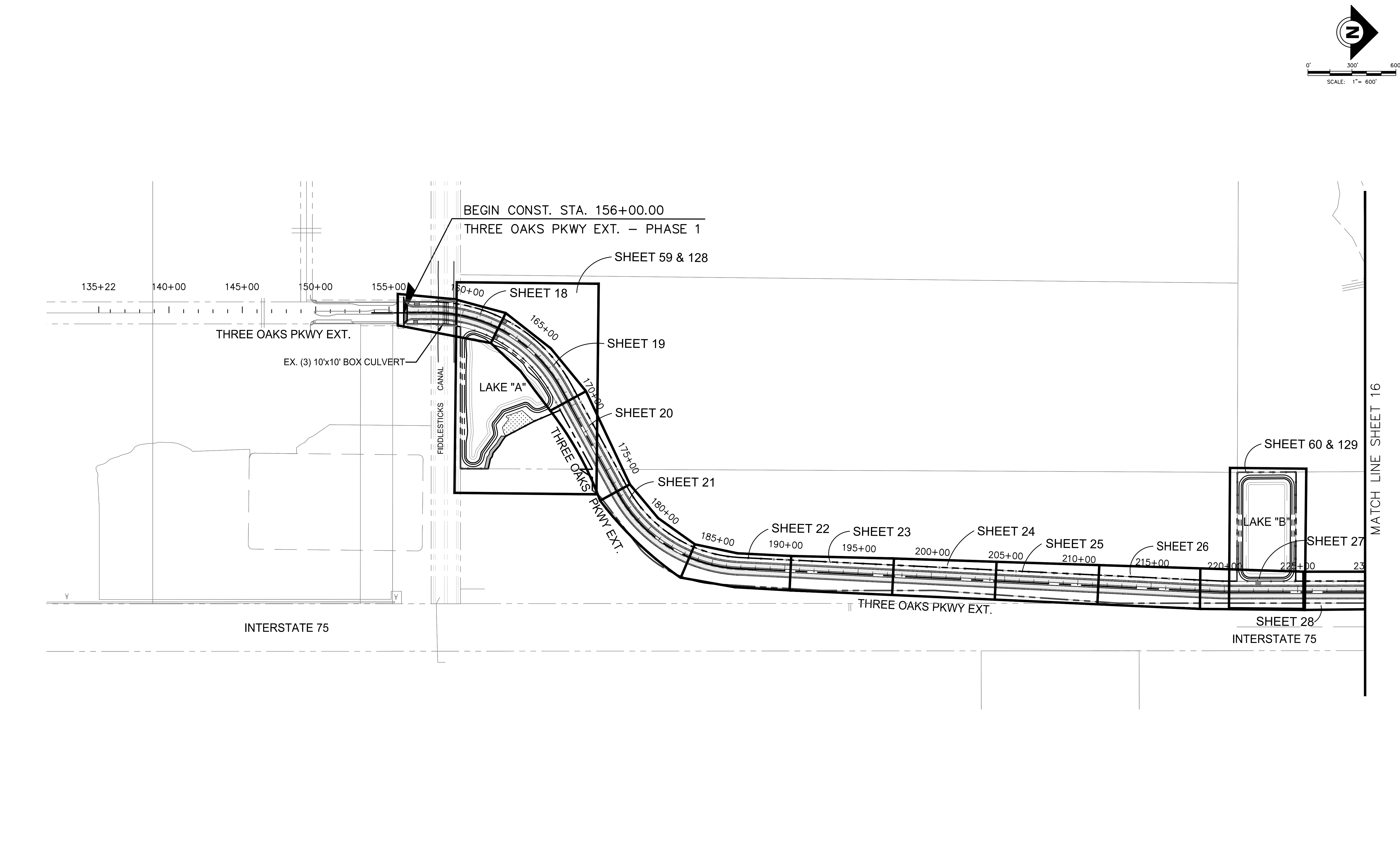
MES-B1
CONST. 23"x14" ERCP MES
FDOT INDEX 425-021
STA 221+16.48 (-782.01 L)
INV IN (NE)= 17.30 23" RCP

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.) 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.



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\KEY-SHEET_PHASE1.dwg, 15 PROJECT LAYOUT, 6/16/2020 11:36:16 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

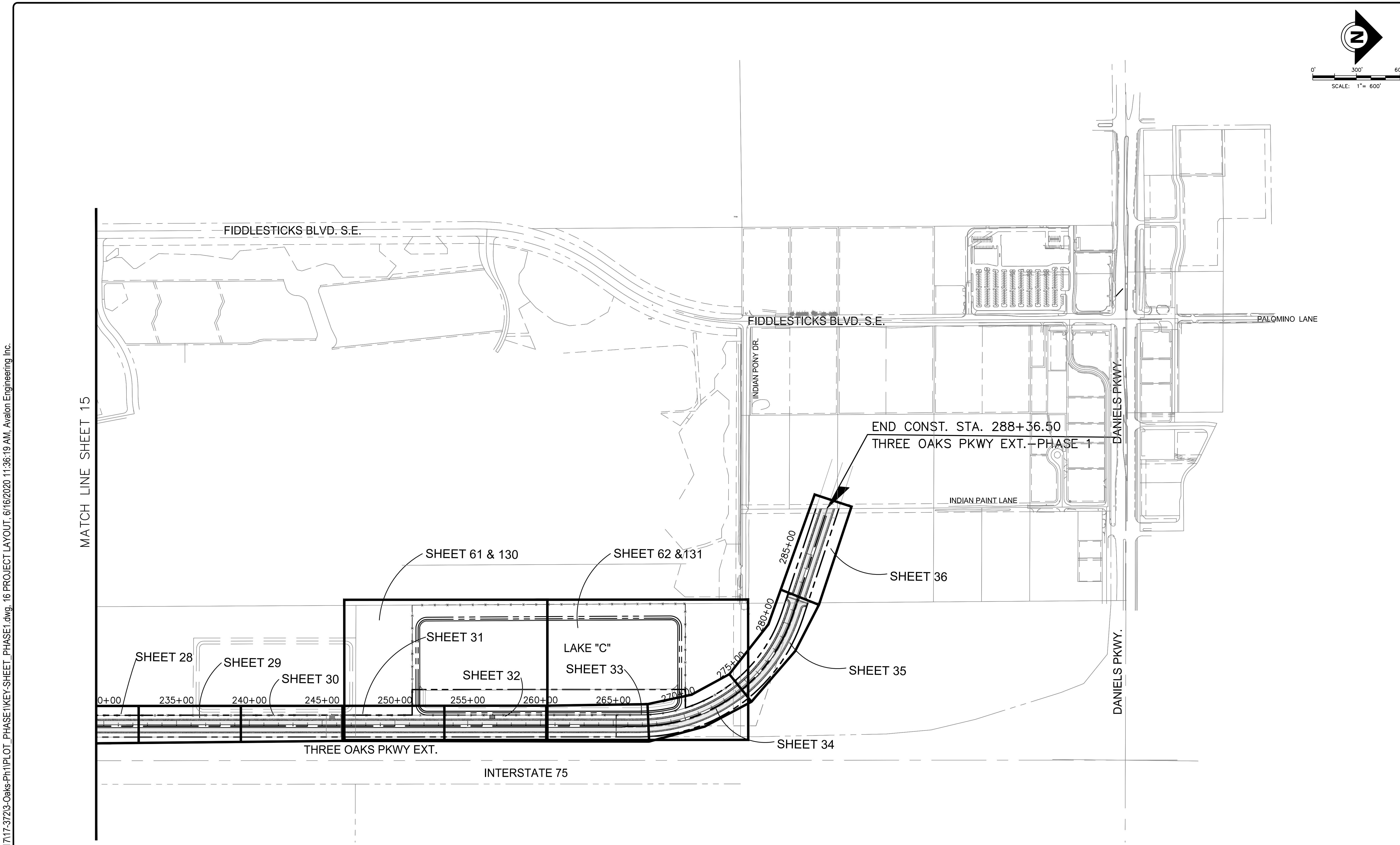
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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

PROJECT LAYOUT
THREE OAKS PKWY EXT.

SHEET 15 of 132



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\KEY-SHEET_PHASE1.dwg, 16 PROJECT LAYOUT, 6/16/2020 11:36:19 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

PROJECT LAYOUT
THREE OAKS PKWY EXT.

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
- (S-XX) STRUCTURE I.D.
- PROP. STORM DRAIN & INLET
- (6.50) MATCH EXISTING GRADE POINT
- —6.50— PROPOSED CONTOUR ELEVATION
- [6.50] PROPOSED ELEVATION (NAVD)
- x 4.50 EXISTING ELEVATION (NAVD)
- DRAINAGE FLOW ARROW
- (CR-23) 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

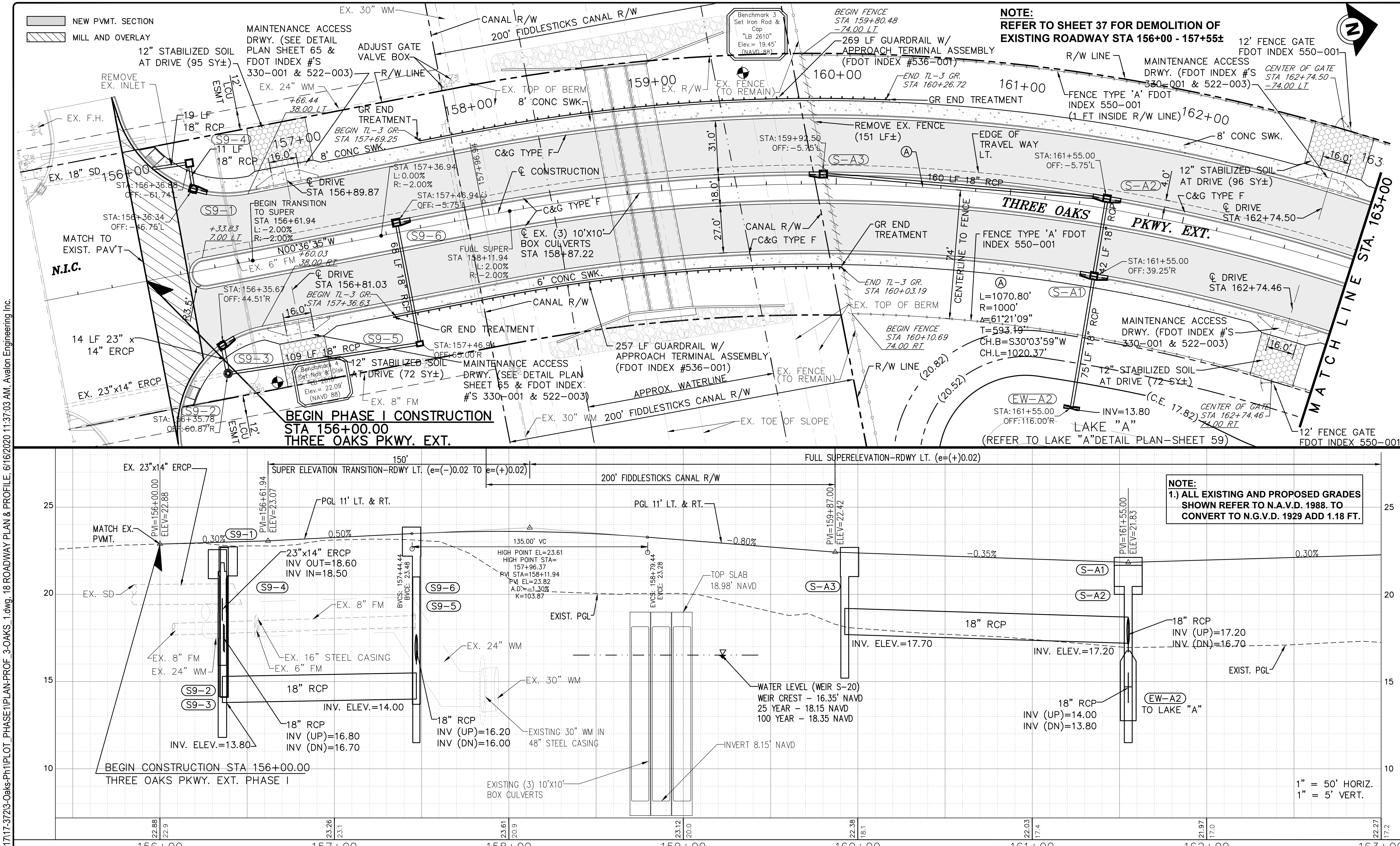
ABREVIATIONS

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

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.

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\PLAN-PROF_3-OAKS_1.dwg, 18 ROADWAY PLAN & PROFILE, 6/16/2020 11:37:03 AM, Avalon Engineering Inc.

NOTE:
REFER TO SHEET 37 FOR DEMOLITION OF EXISTING ROADWAY STA 156+00 - 157+55±



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.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

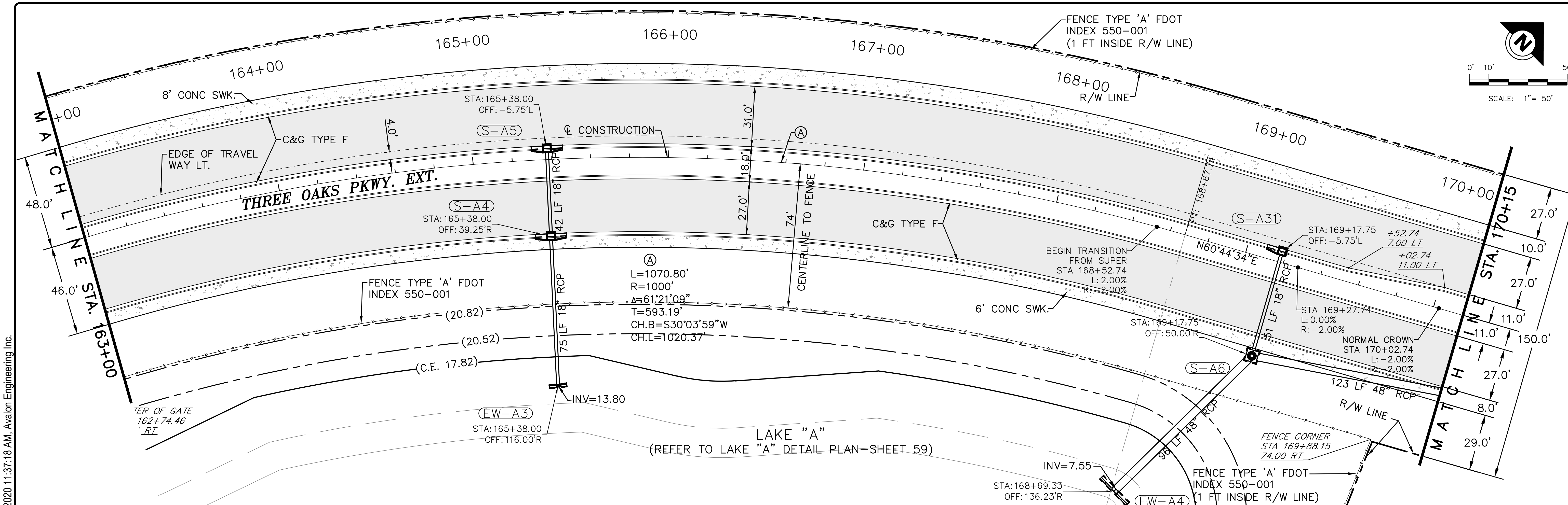
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

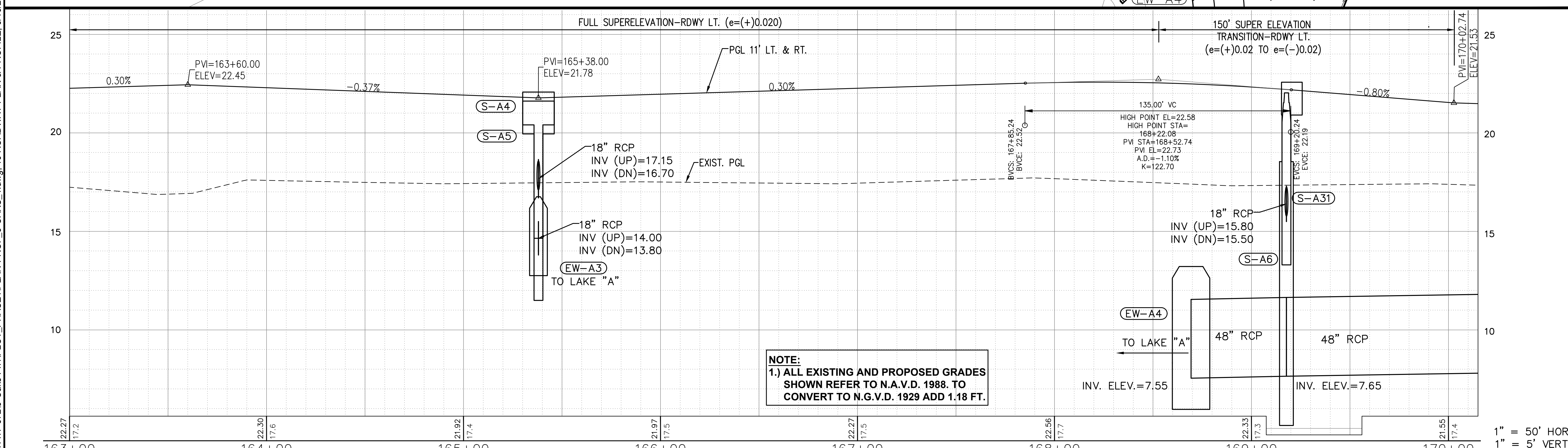
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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

ROADWAY PLAN & PROFILE
STA 156+00 TO 163+00

SHEET 18 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.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

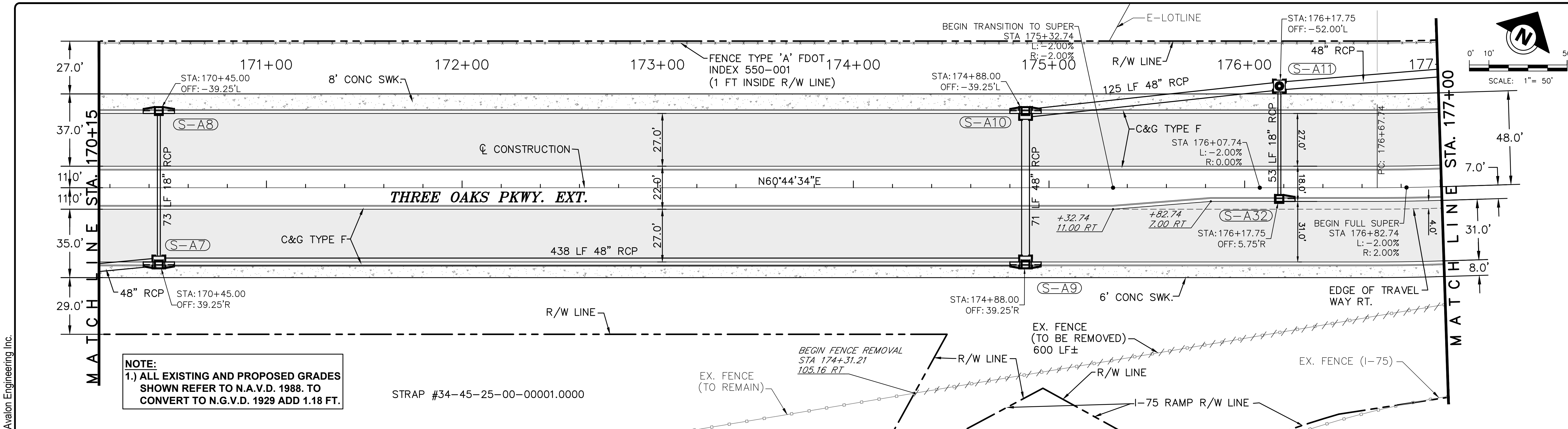
AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

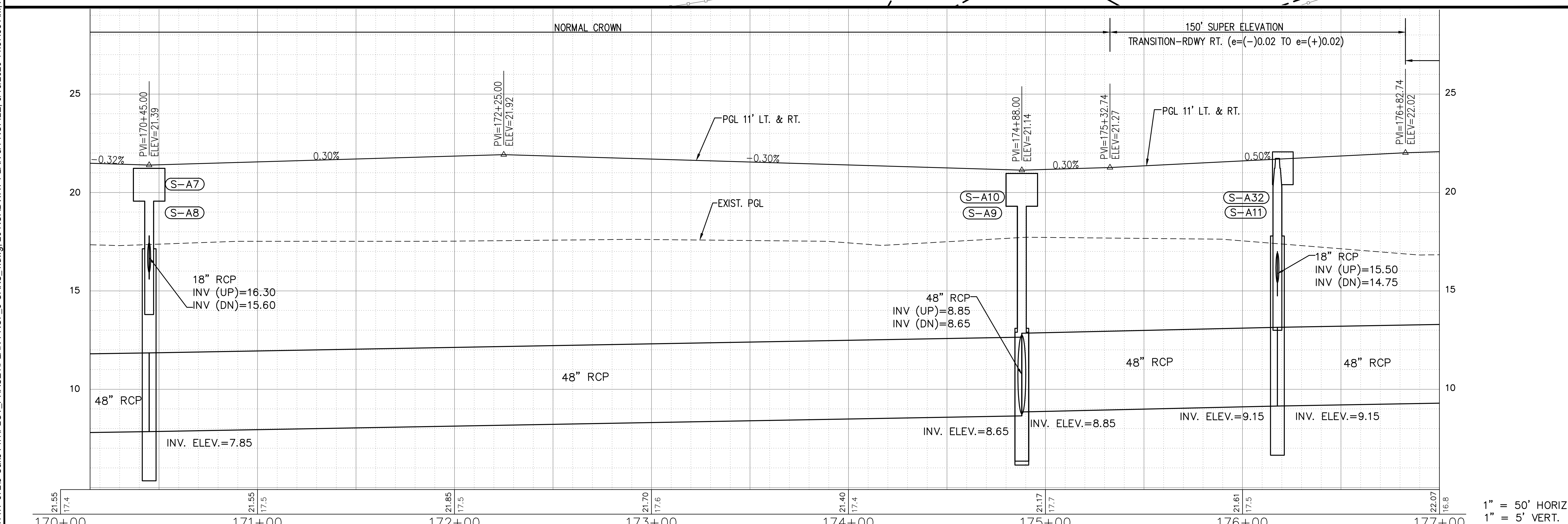
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

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





DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

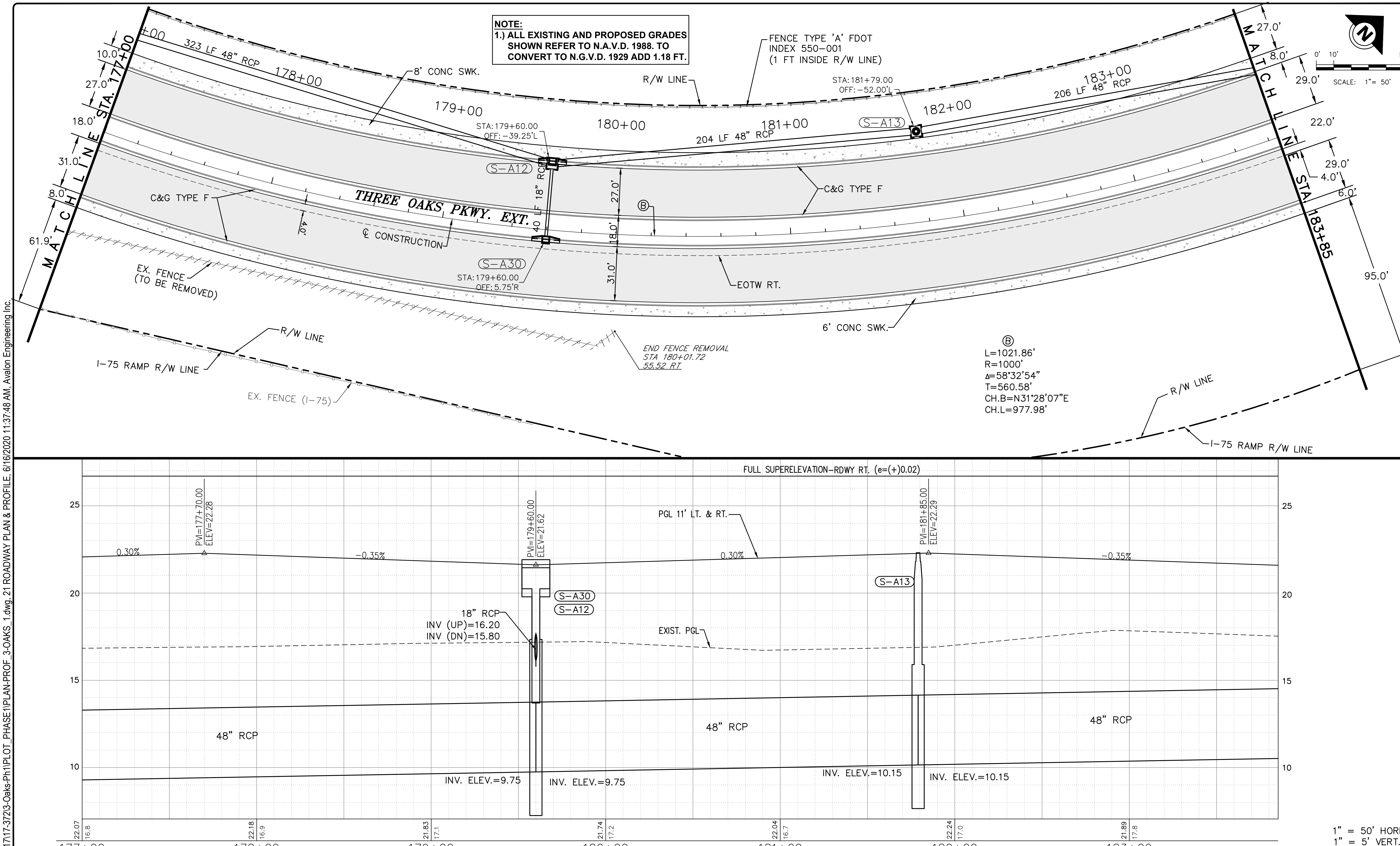
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

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 170+15 TO 177+00

SHEET



DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

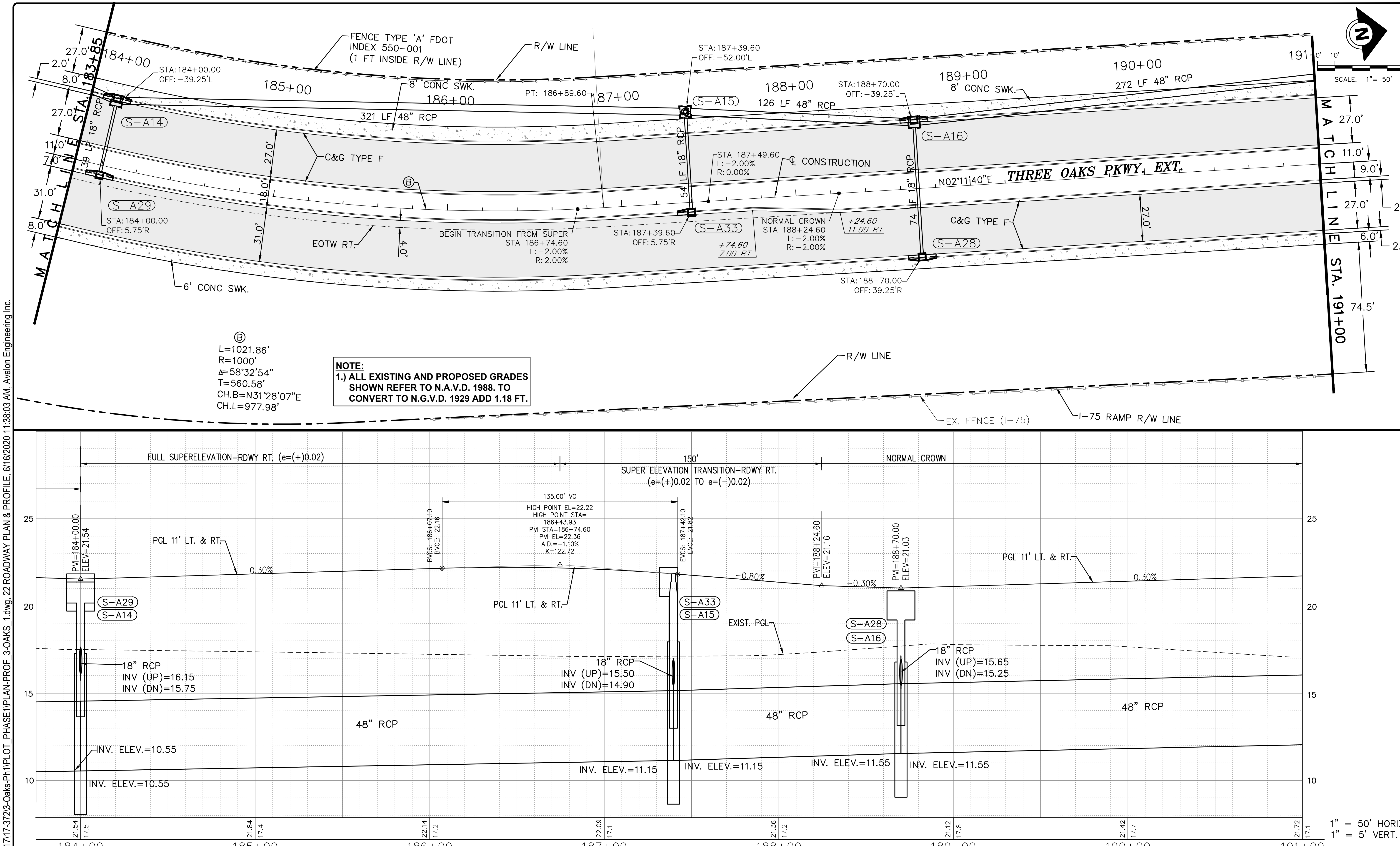
AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

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 177+00 TO 183+85



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\PLAN-PROF_3-OAKS_1.dwg, 22 ROADWAY PLAN & PROFILE, 6/16/2020 11:38:03 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

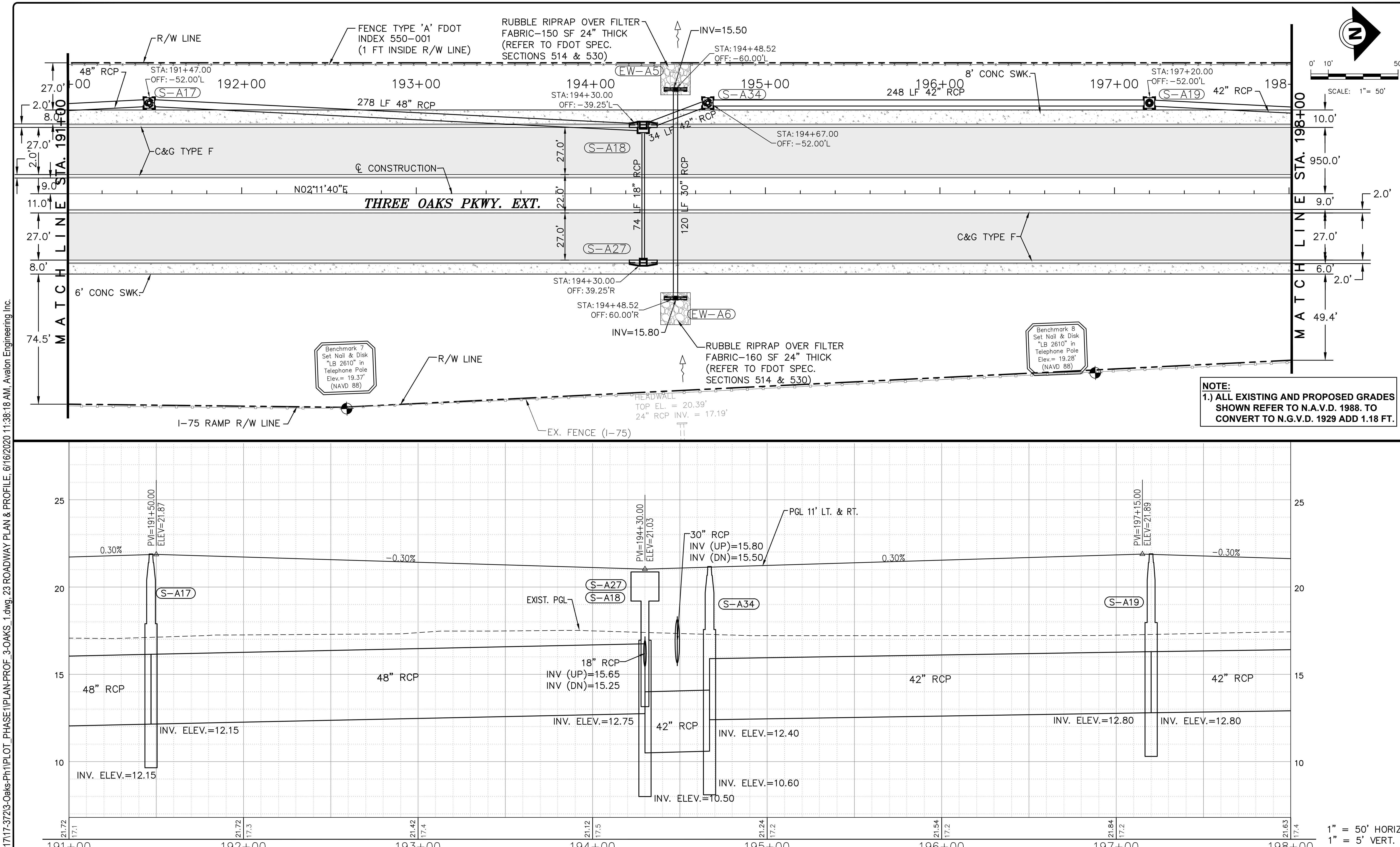
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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

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

SHEET 22 of 132



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\PLAN-PROF_3-OAKS_1.dwg, 23 ROADWAY PLAN & PROFILE, 6/16/2020 11:38:18 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

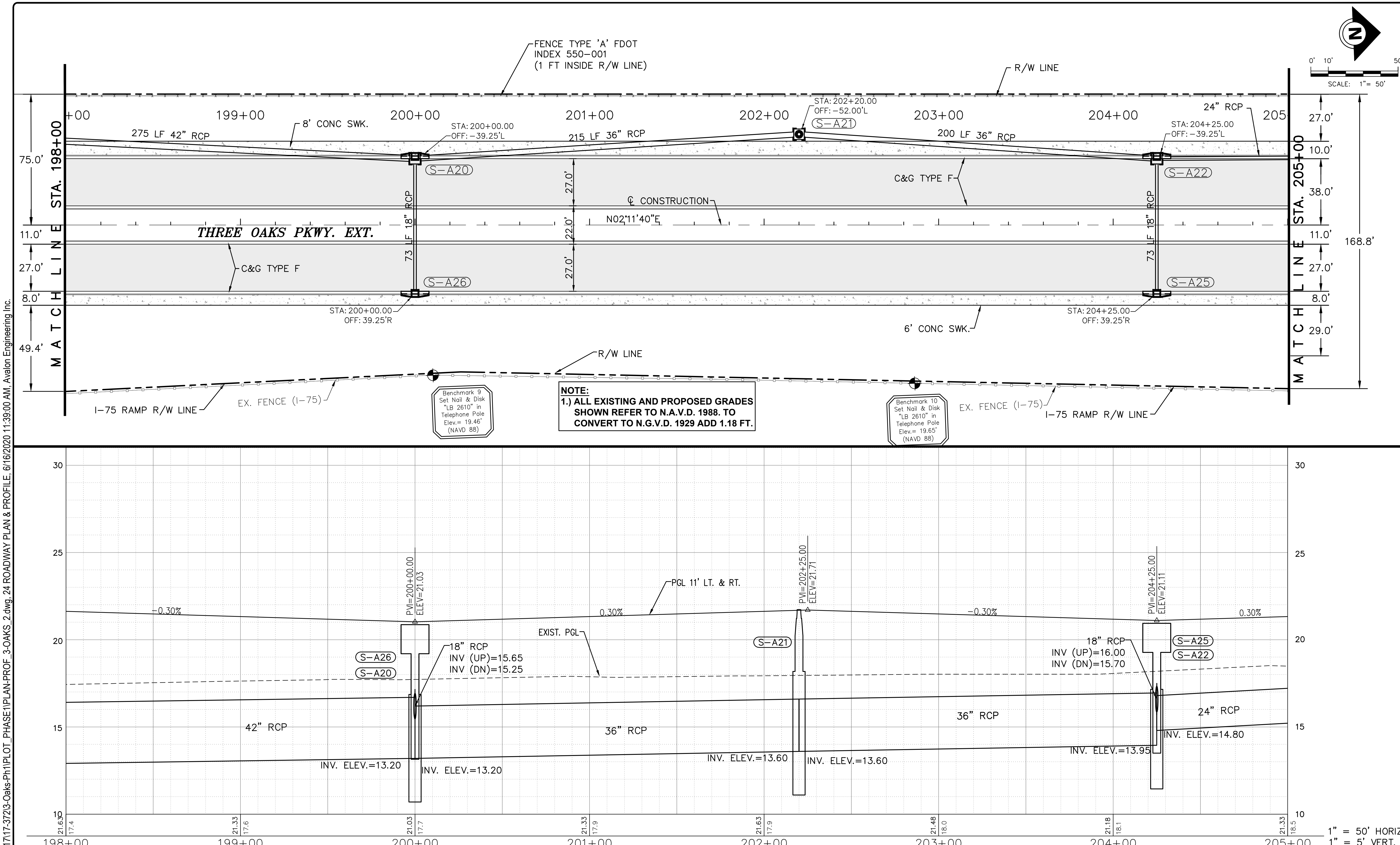
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

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 191+00 TO 198+00

SHEET
23 of 132



DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

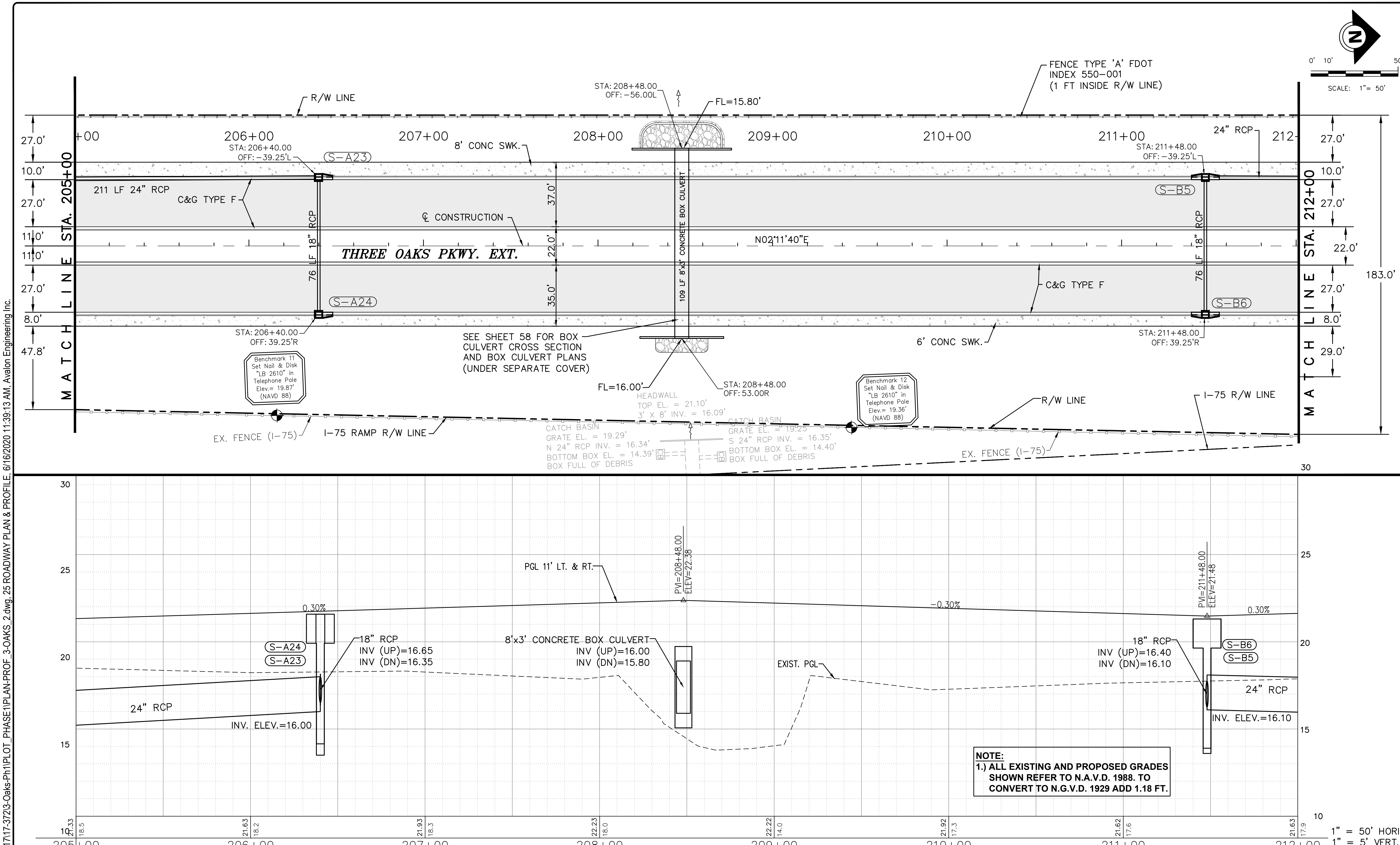
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

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 198+00 TO 205+00

SHEET
24 of 132



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\PLAN-PROF_3-OAKS_2.dwg, 25 ROADWAY PLAN & PROFILE, 6/16/2020 11:39:13 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

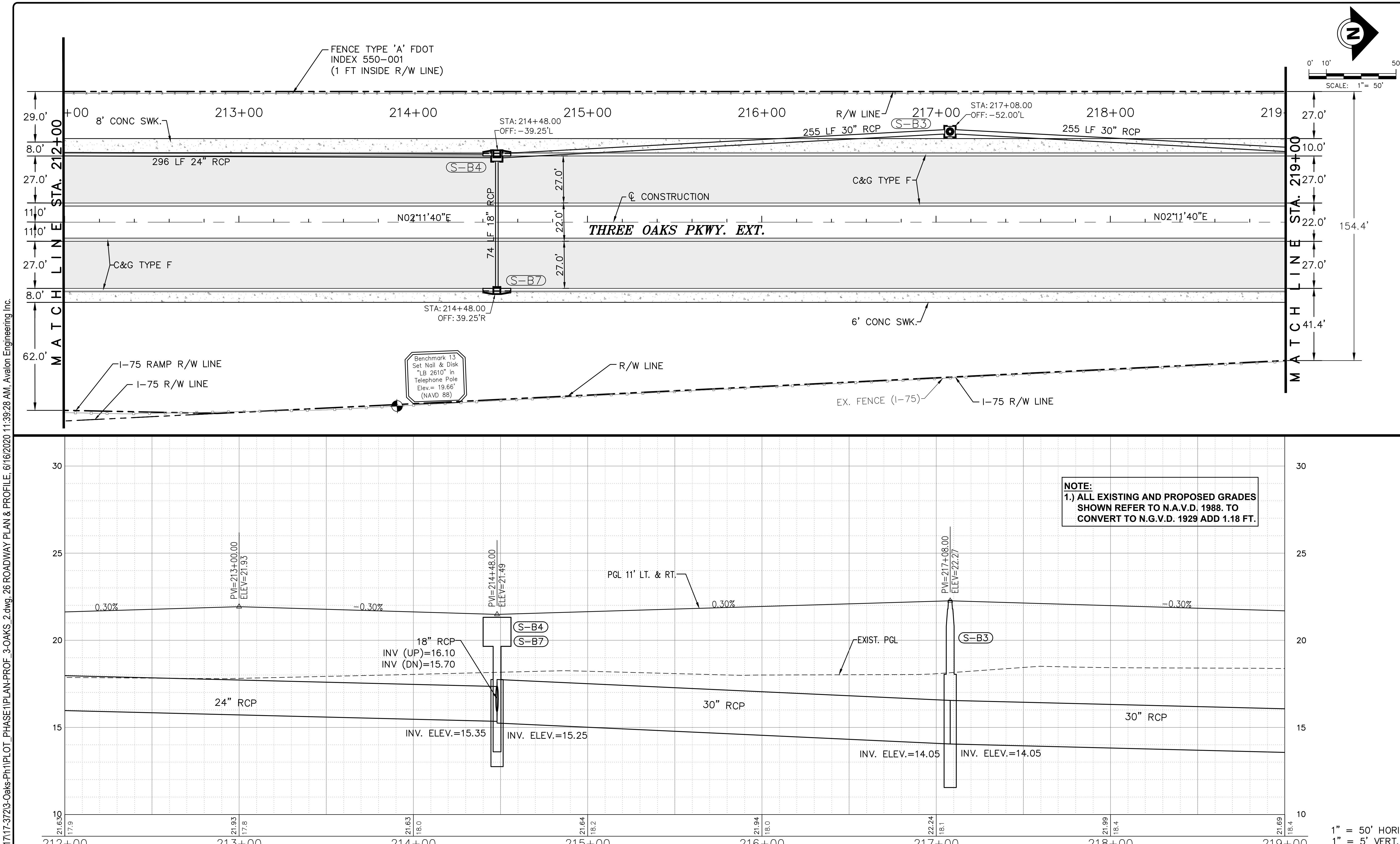
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

THREE OAKS PARKWAY EXTENSION
PHASE I: 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-Ph1\PLOT_PHASE1\PLAN-PROF_3-OAKS_2.dwg, 26 ROADWAY PLAN & PROFILE, 6/16/2020 11:39:28 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

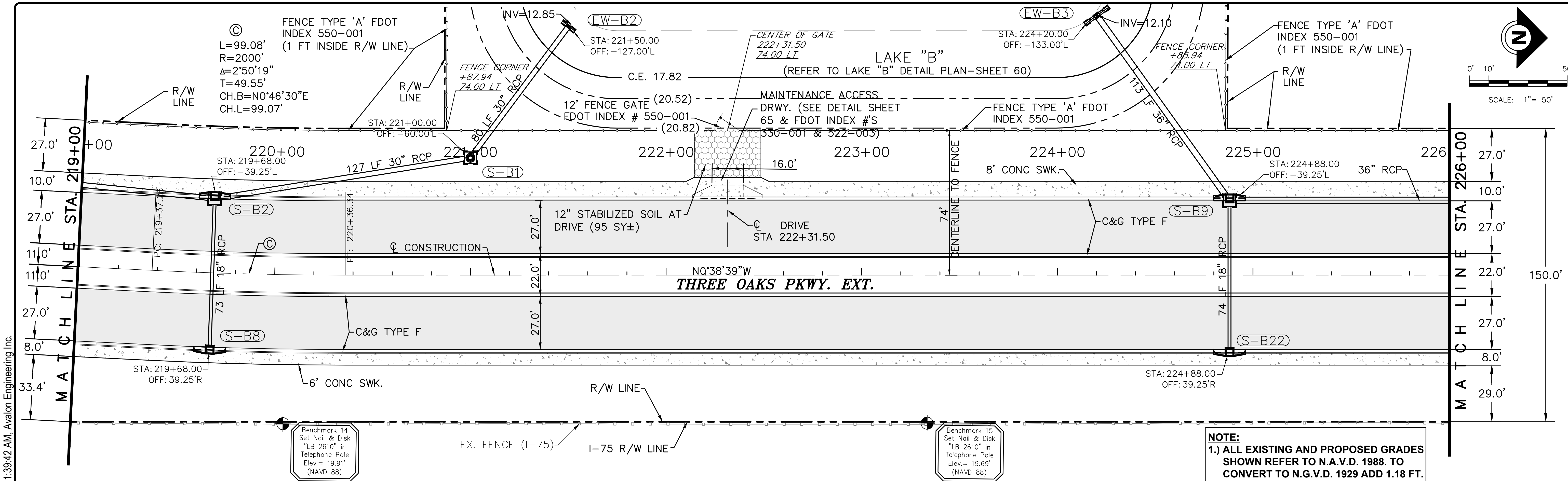
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

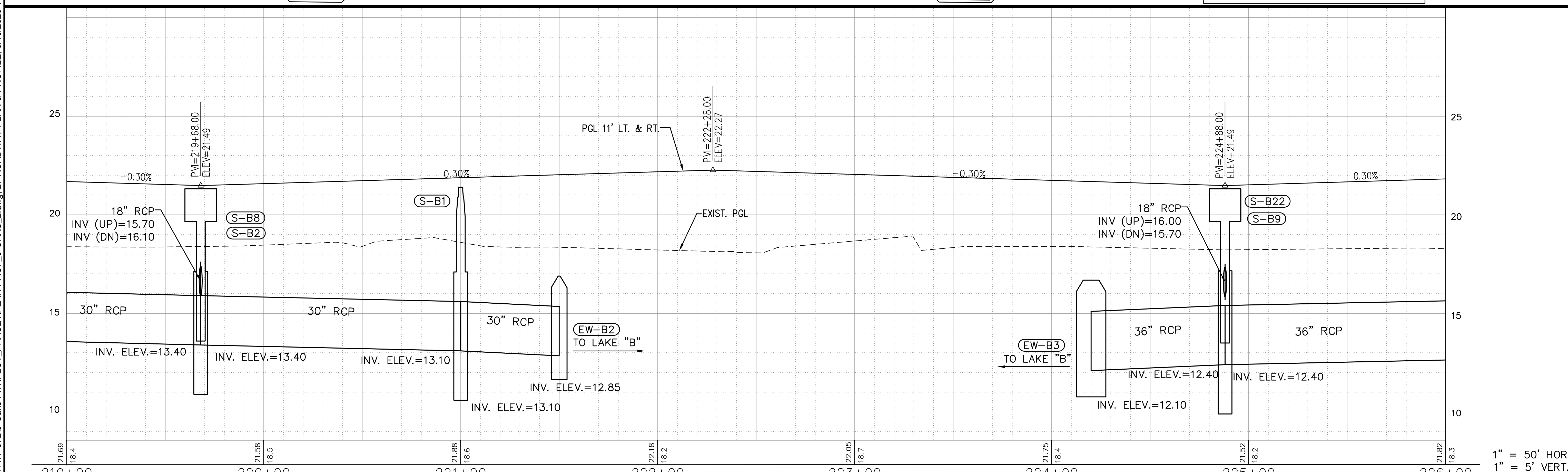
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

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

SHEET
26 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.



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\PLAN-PROF_3-OAKS_2.dwg, 27 ROADWAY PLAN & PROFILE, 6/16/2020 11:39:42 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

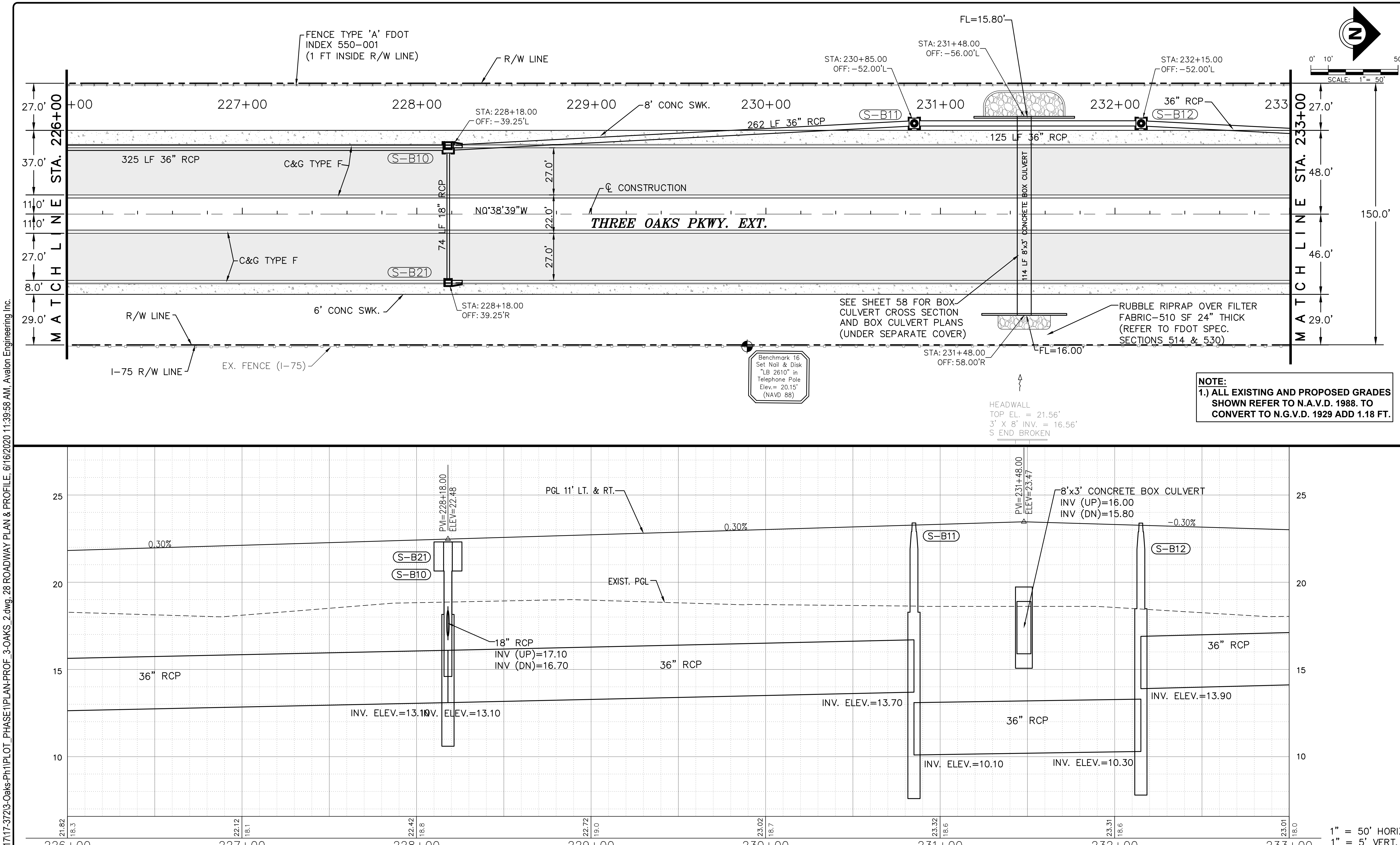
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

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-Ph1\PLOT_PHASE1\PLAN-PROF_3-OAKS_2.dwg, 28 ROADWAY PLAN & PROFILE, 6/16/2020 11:39:58 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

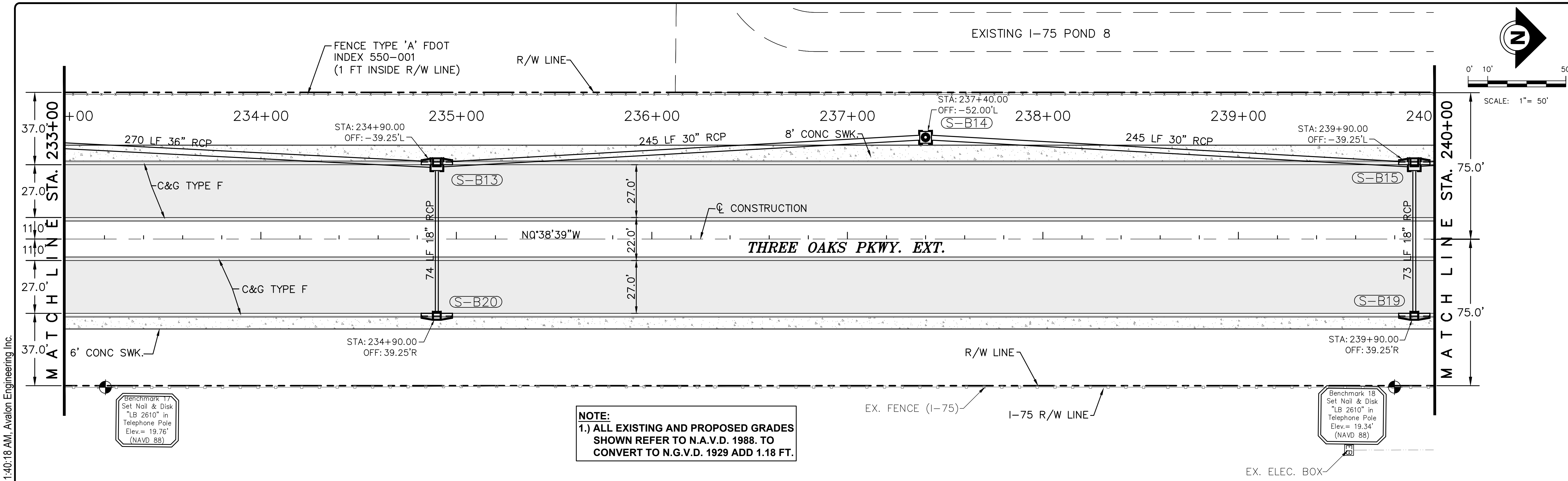
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

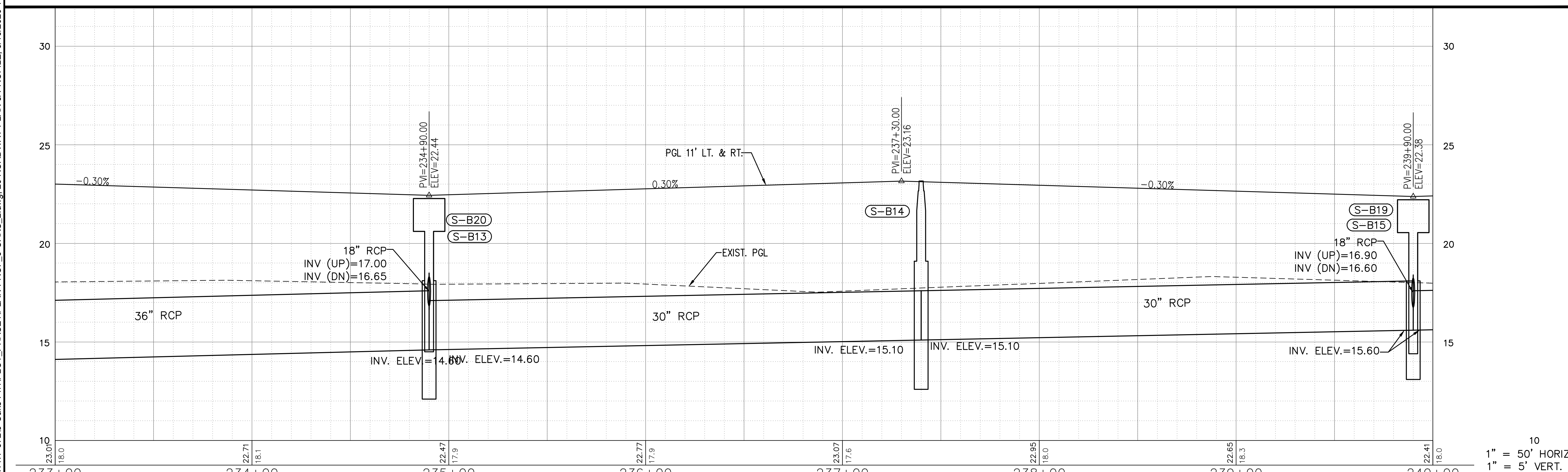
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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

ROADWAY PLAN & PROFILE
STA 226+00 TO 233+00

SHEET 28 of 132





DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

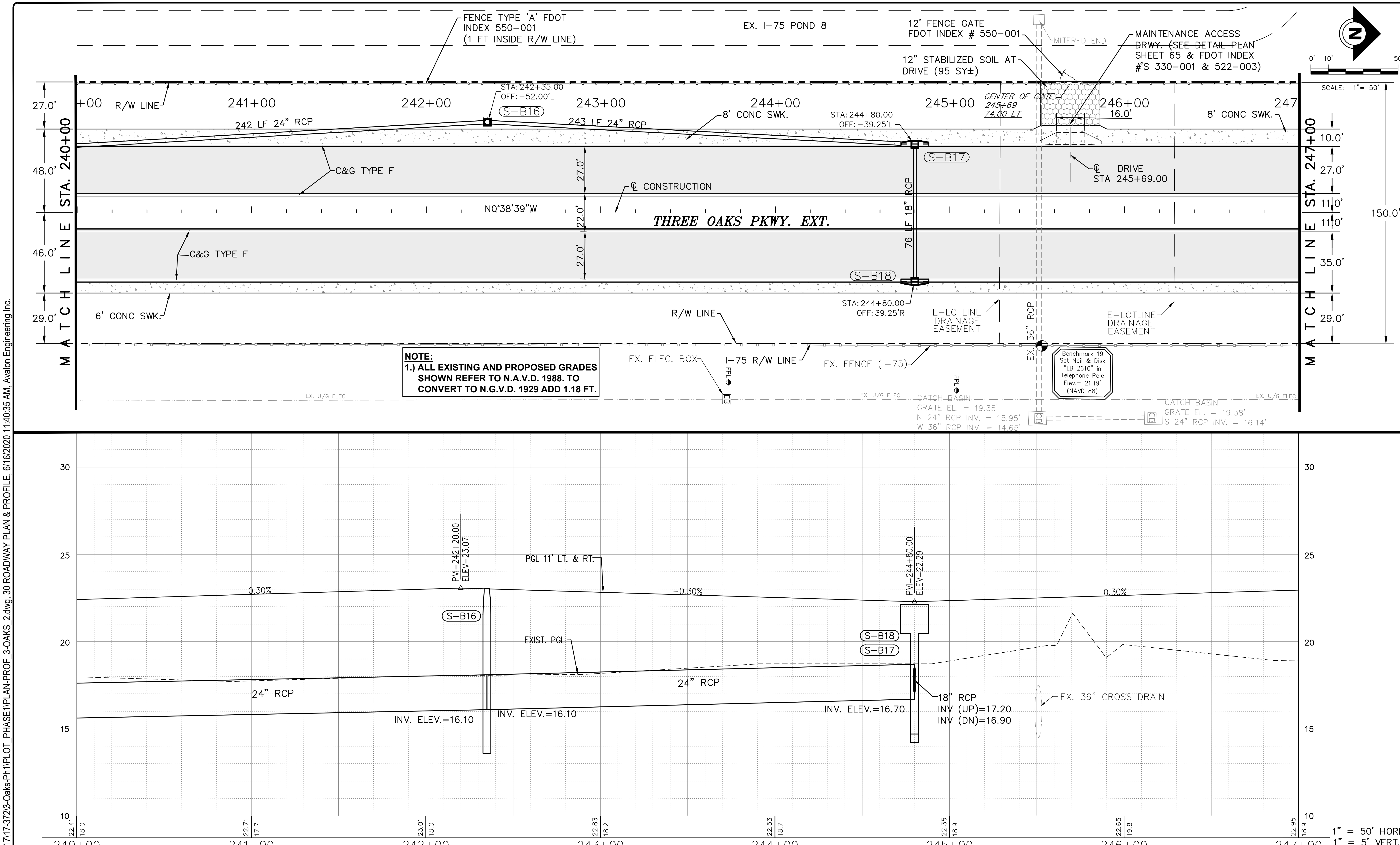
AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
LEE COUNTY DOT PROJECT:CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

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 233+00 TO 240+00



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\PLAN-PROF_3-OAKS_2.dwg, 30 ROADWAY PLAN & PROFILE, 6/16/2020 11:40:35 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

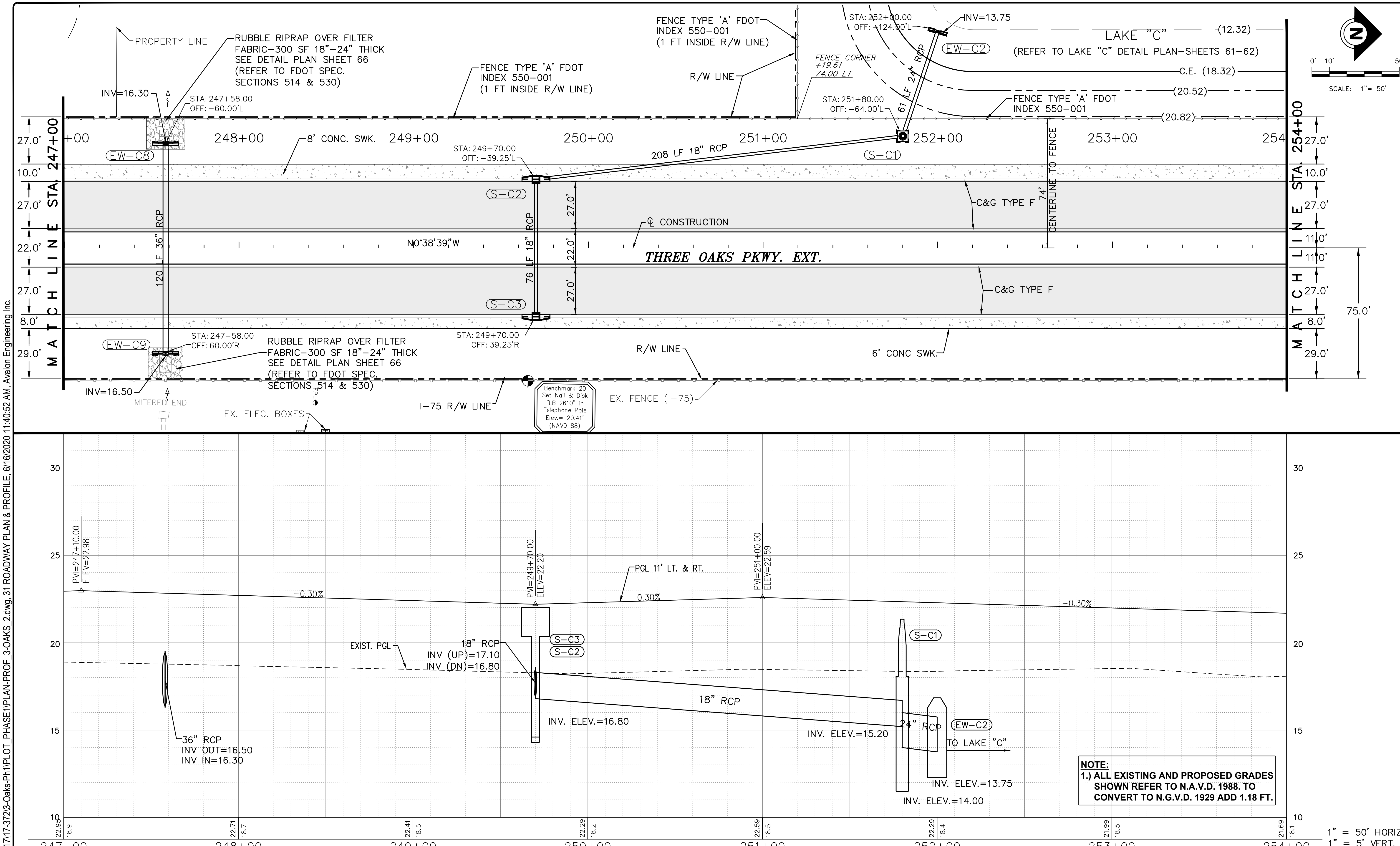
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

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 240+00 TO 247+00

SHEET 30 of 132



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\PLAN-PROF_3-OAKS_2.dwg, 31 ROADWAY PLAN & PROFILE, 6/16/2020 11:40:52 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17–372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

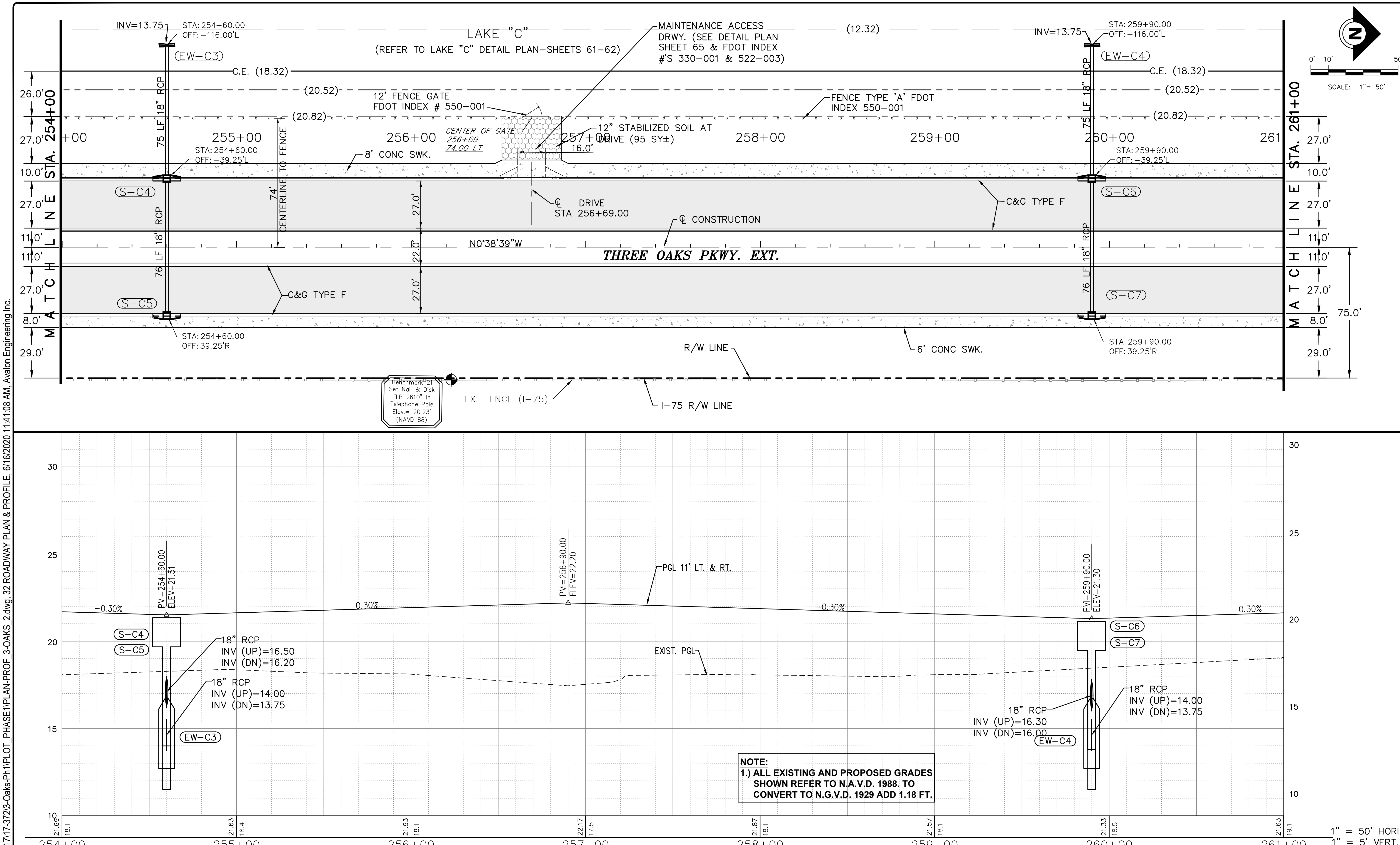
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573–2077

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 247+00 TO 254+00

SHEET 31 of 132



DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17–372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

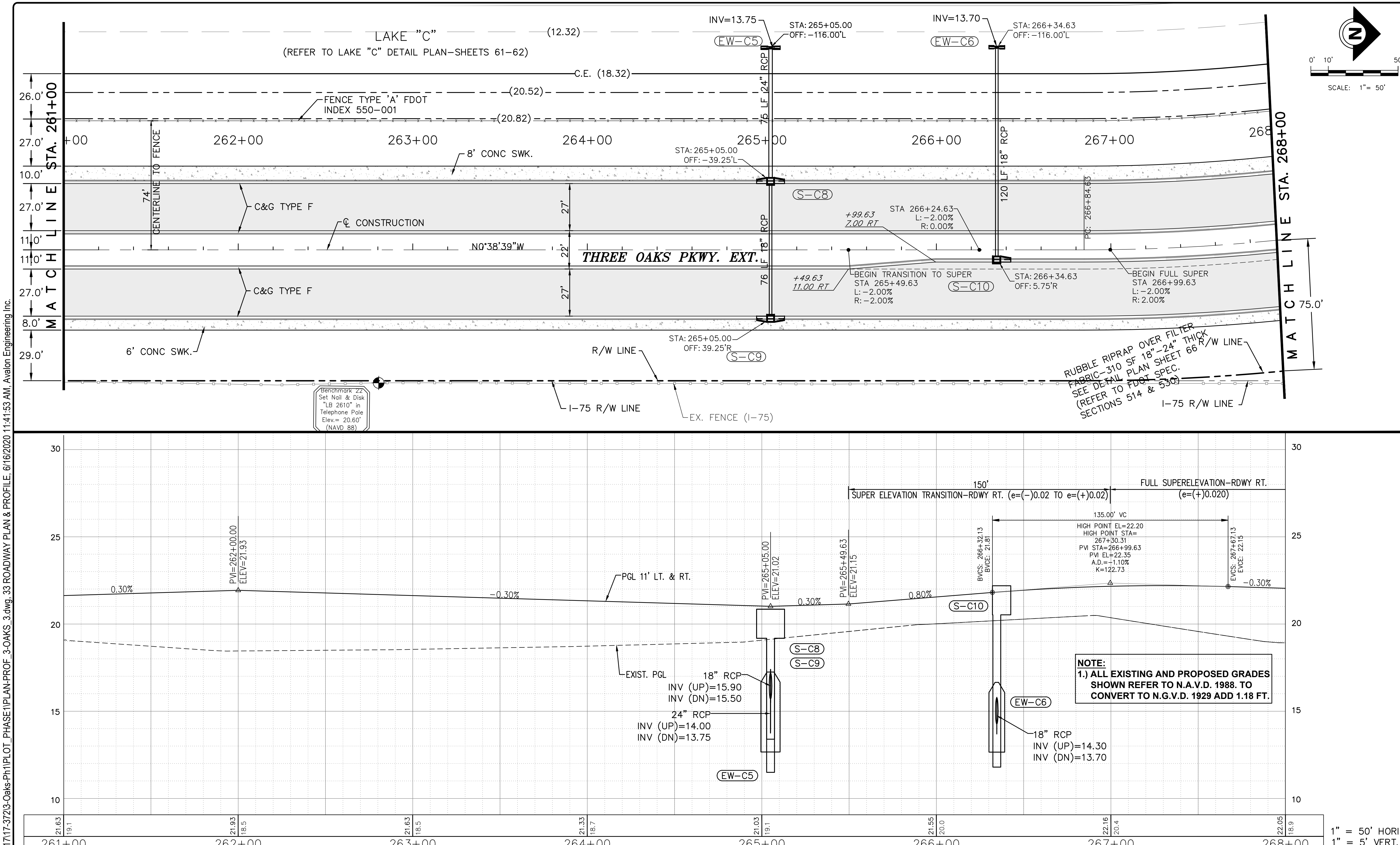
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573–2077

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 254+00 TO 261+00

SHEET 32 of 132



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\PLAN-PROF_3-OAKS_3.dwg, 33 ROADWAY PLAN & PROFILE, 6/16/2020 11:41:53 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

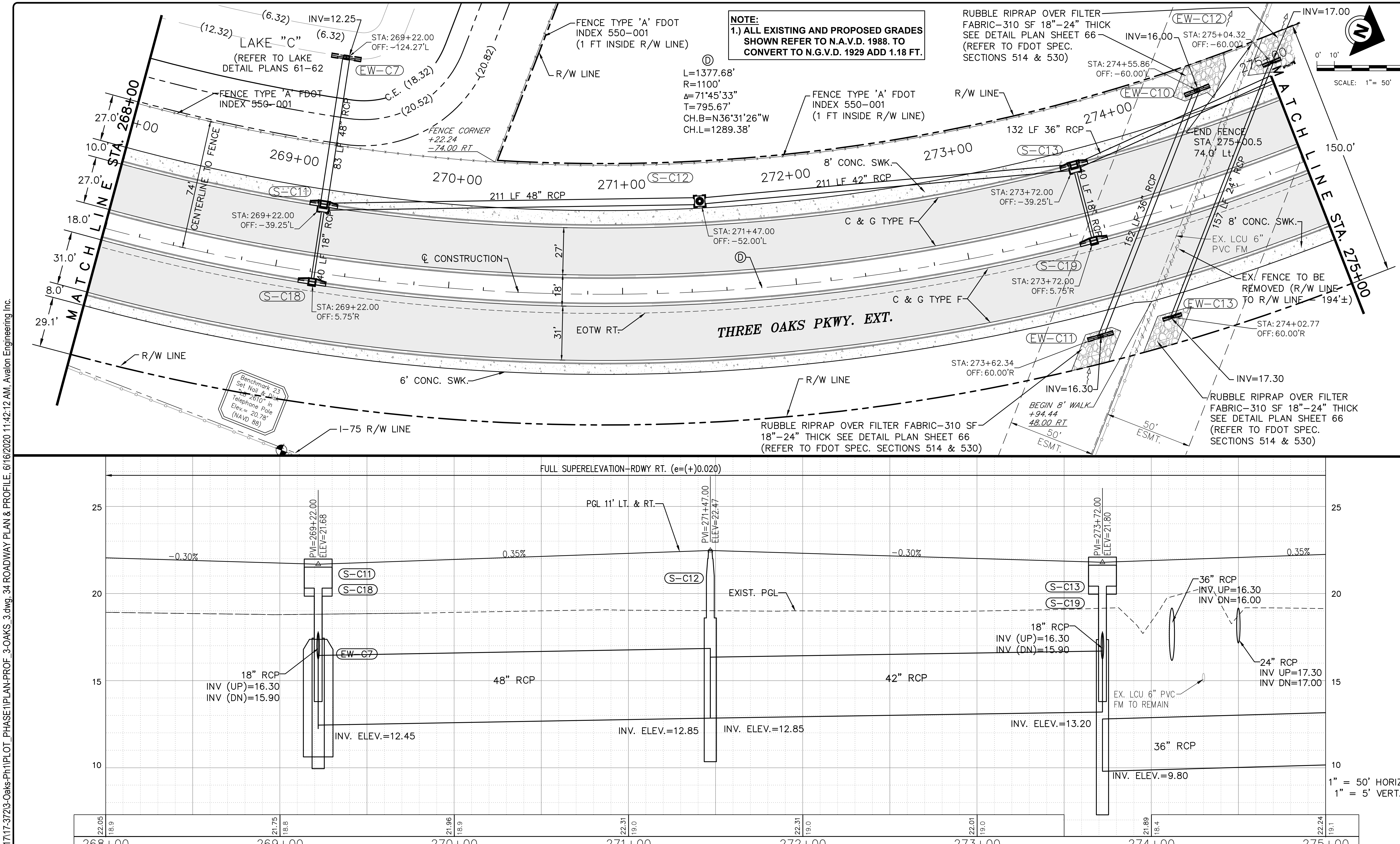
AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

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 261+00 TO 268+00



DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

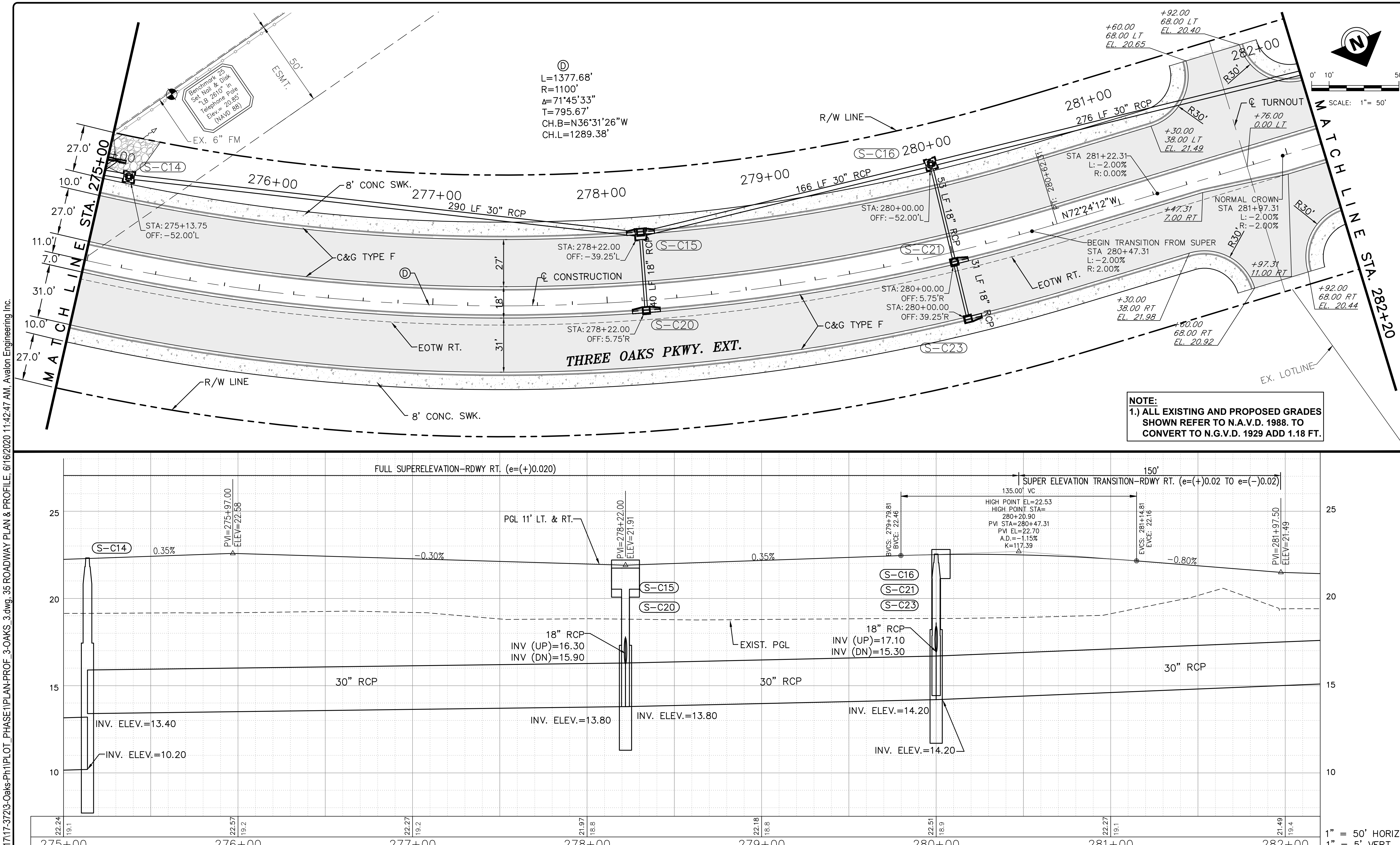
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

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 268+00 TO 275+00

SHEET



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\PLAN-PROF_3-OAKS_3.dwg, 35 ROADWAY PLAN & PROFILE, 6/16/2020 11:42:47 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

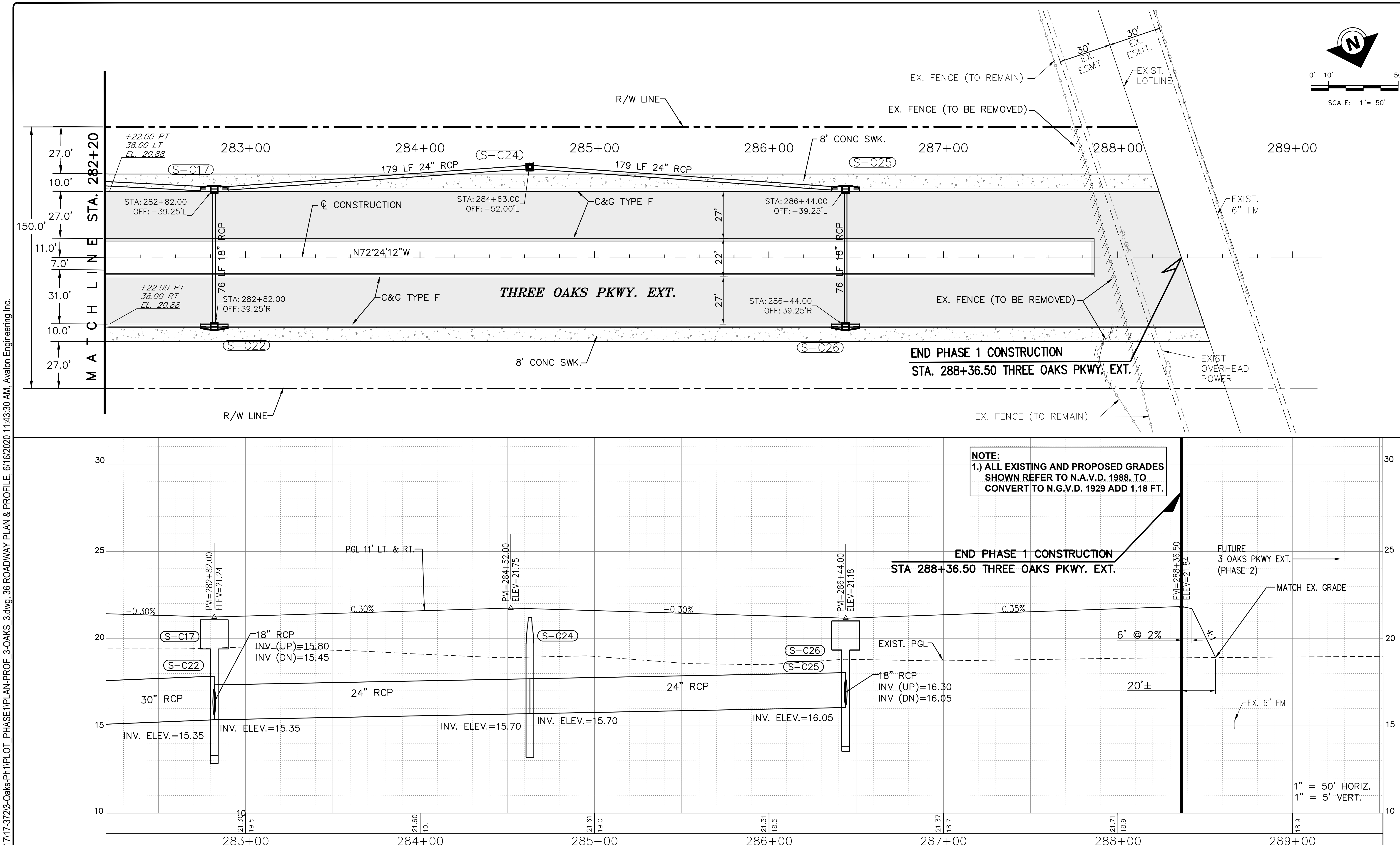
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

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 275+00 TO 282+20

SHEET
35 of 132



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\PLAN-PROF_3-OAKS_3.dwg, 36 ROADWAY PLAN & PROFILE, 6/16/2020 11:43:30 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

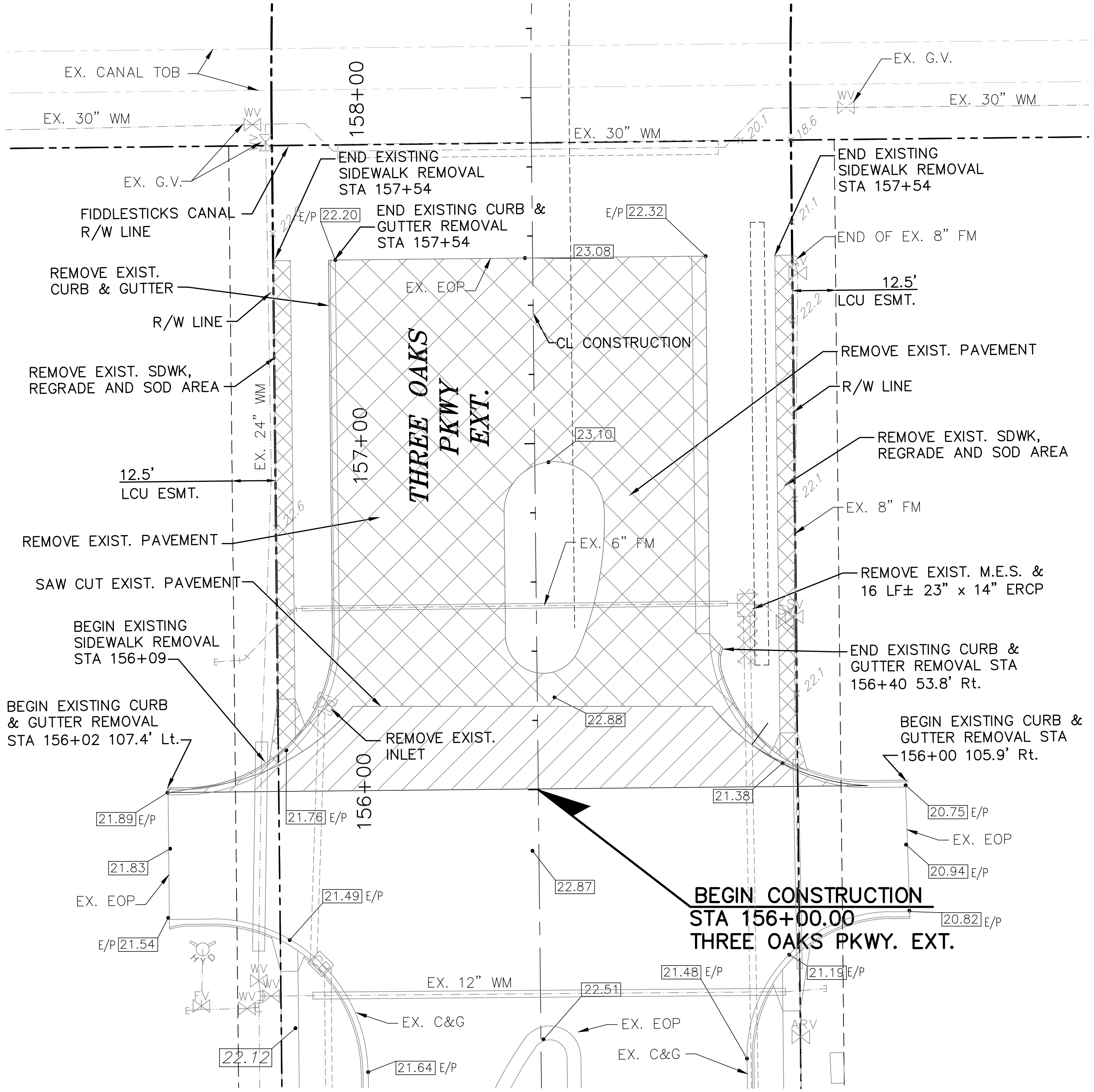
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

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 282+20 TO 288+36.50

SHEET
36 of 132



DEMOLITION PLAN

SCALE: 1"= 40'

LEGEND

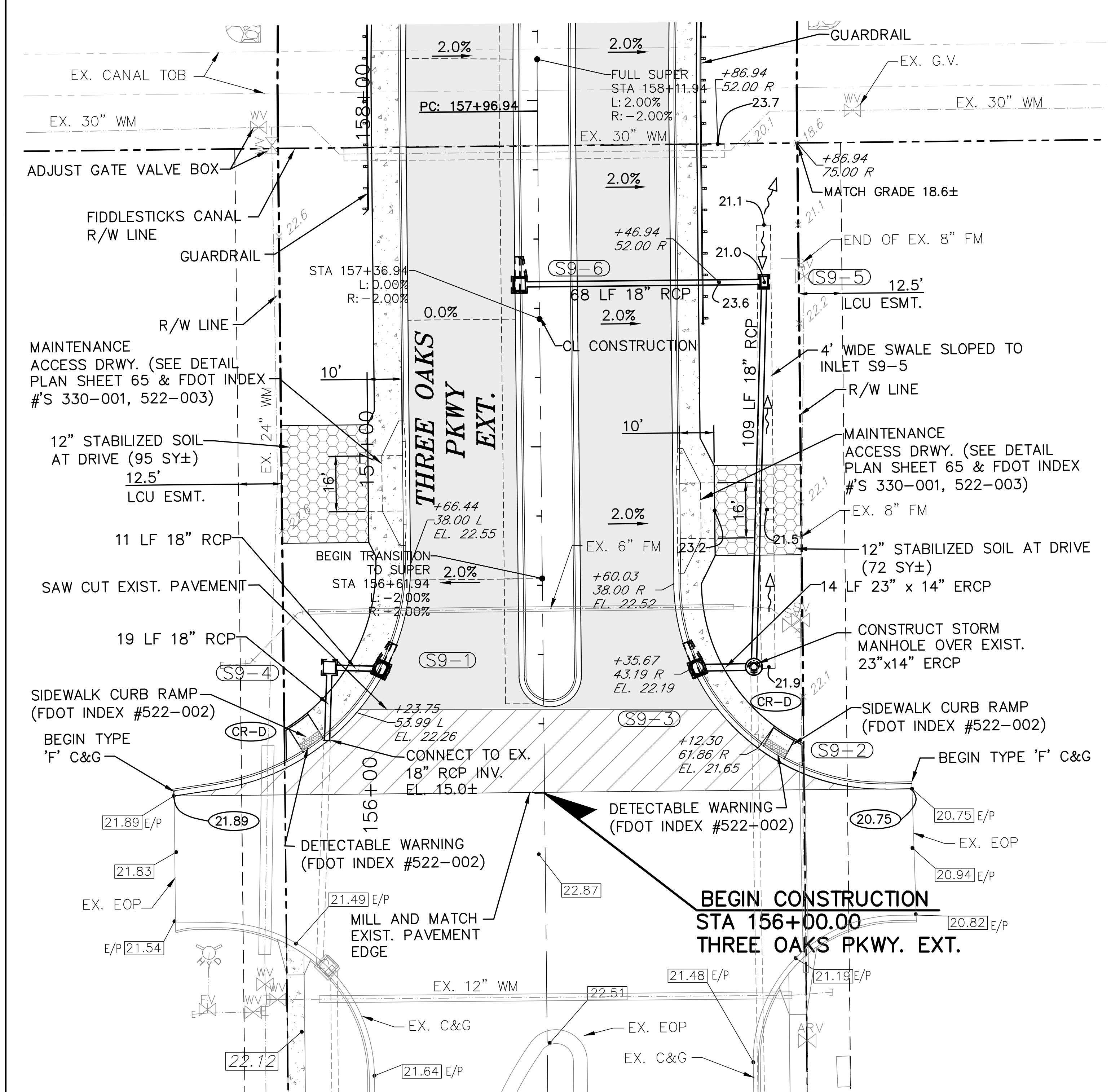
EXISTING GROUND GRADES

22.99 EXISTING PAVEMENT GRADES

PAVEMENT, CONCRETE, DRAINAGE STRUCTURE & PIPE REMOVAL

MILL AND OVERLAY (1" TYP.)

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.



CONSTRUCTION PLAN

SCALE: 1"= 40'

LEGEND

22.99 EXISTING PAVEMENT GRADES

22.13 MATCH EXISTING GRADE POINT

+39.14 48.00' R 22.13 PROPOSED PAVEMENT GRADE (W/STATION & OFFSET)

EXISTING GROUND GRADES

21.8 PROPOSED GROUND GRADES

NEW PAVEMENT SECTION

MILL AND OVERLAY (1" TYP.)

PROPOSED CONCRETE

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

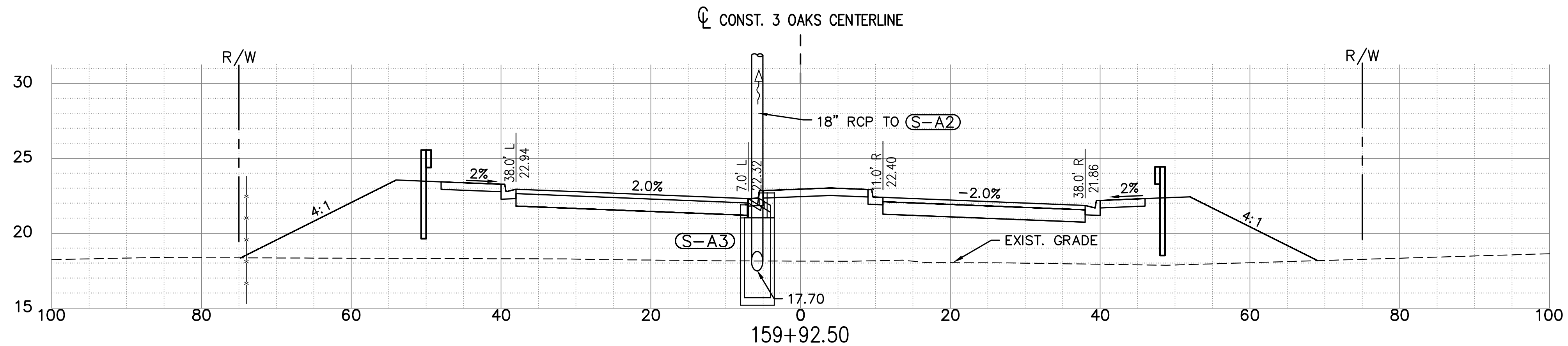
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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

INTERSECTION DETAIL
BEGIN STA 156+00

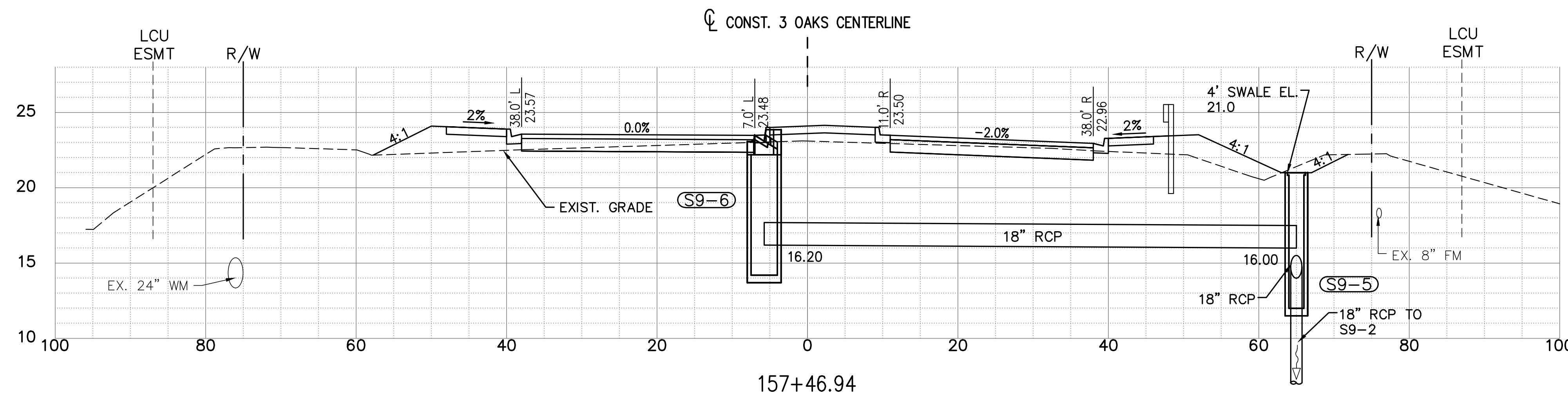
SHEET 37 of 132

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\INTERSECT_3-Oaks TIE TO EXISTING.dwg, 37 INTERSECTION DETAIL, 6/16/2020 11:44:13 AM, Avalon Engineering Inc.



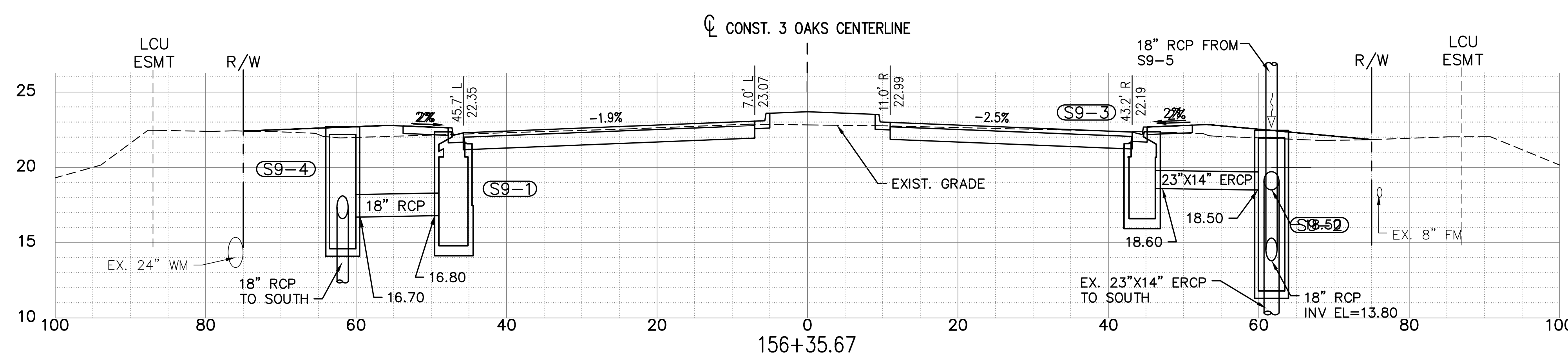
(S-A3)
CONST. CURB INLET TYPE 'P-5' <10'
FDOT Index No. 425-021
STA 159+92.50 (-5.75 L)
RIM ELEV=22.69
LIP/EOP ELEV=22.32
SUMP=15.70
INV OUT (N)= 17.70 18" RCP

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

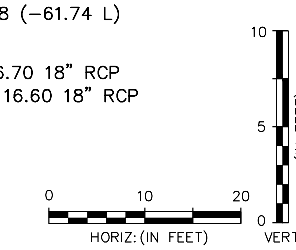


(S9-1)
CONST. CURB INLET TYPE 'P-5' <10'
FDOT Index No. 425-021
STA 156+36.34 (-46.75 L)
RIM ELEV=22.73
LIP/EOP ELEV=22.35
SUMP=16.20
INV OUT (W)= 16.80 18" RCP

(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=16.00
INV IN (E)= 16.70 18" RCP
INV OUT (S)= 16.60 18" RCP



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\DRNG-STR_X-SECT.dwg, 38 DRAINAGE STRUCTURES, 6/16/2020 11:45:01 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

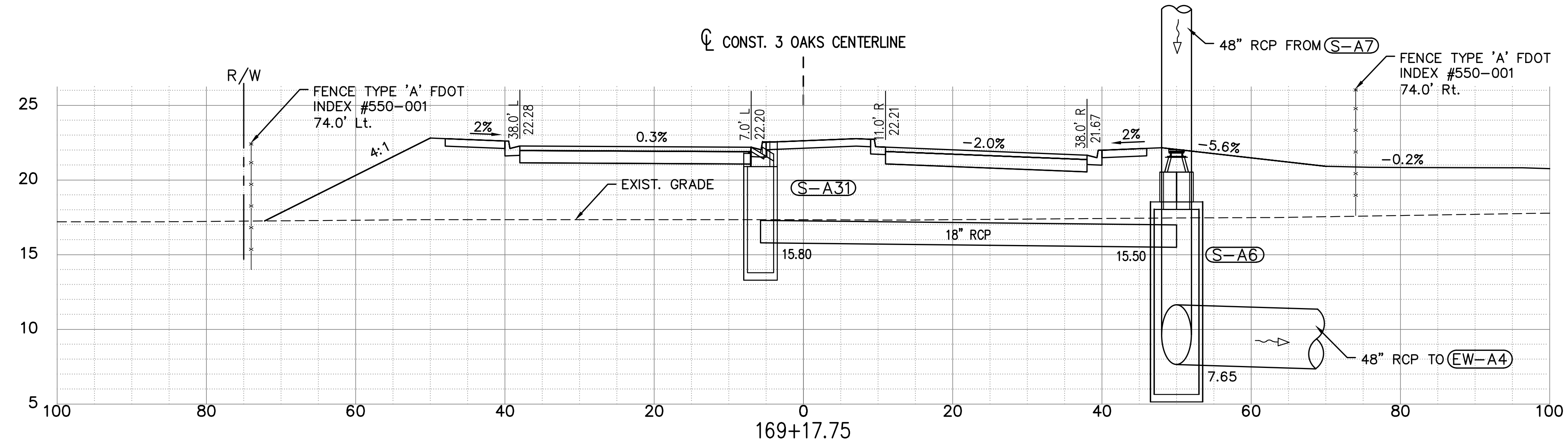
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

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
38 of 132

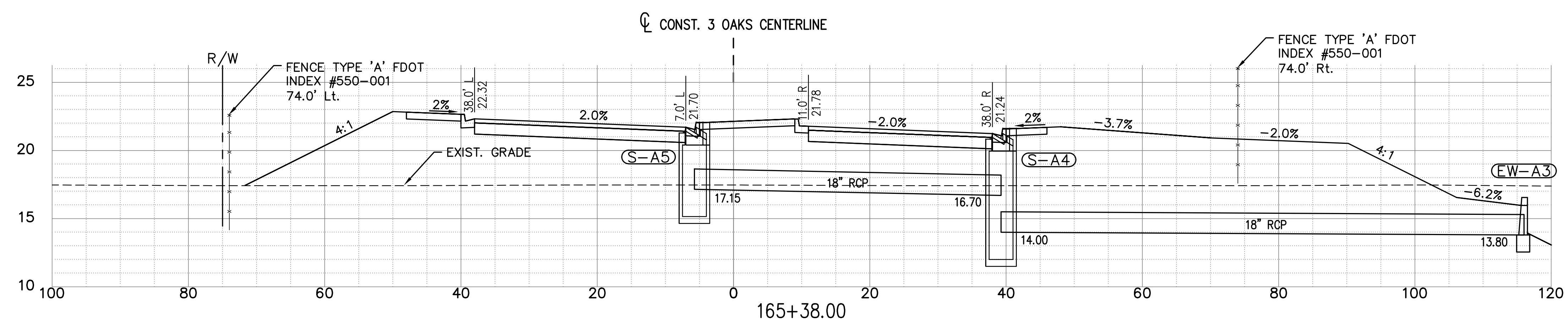


(S-A6)
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 169+17.75 (50.00 R)
RIM=22.04
SUMP=5.65
INV IN(NE)= 7.65 48" RCP
INV IN(NW)= 15.50 18" RCP
INV OUT (S)= 7.65 48" RCP

(S-A31)
CONST. CURB INLET TYPE 'P-5' <10'
FDOT Index No. 425-021
STA 169+17.75 (-5.75 L)
RIM ELEV=22.57
LIP/EOP ELEV=22.20
SUMP=13.80
INV OUT (SE)= 15.80 18" RCP

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

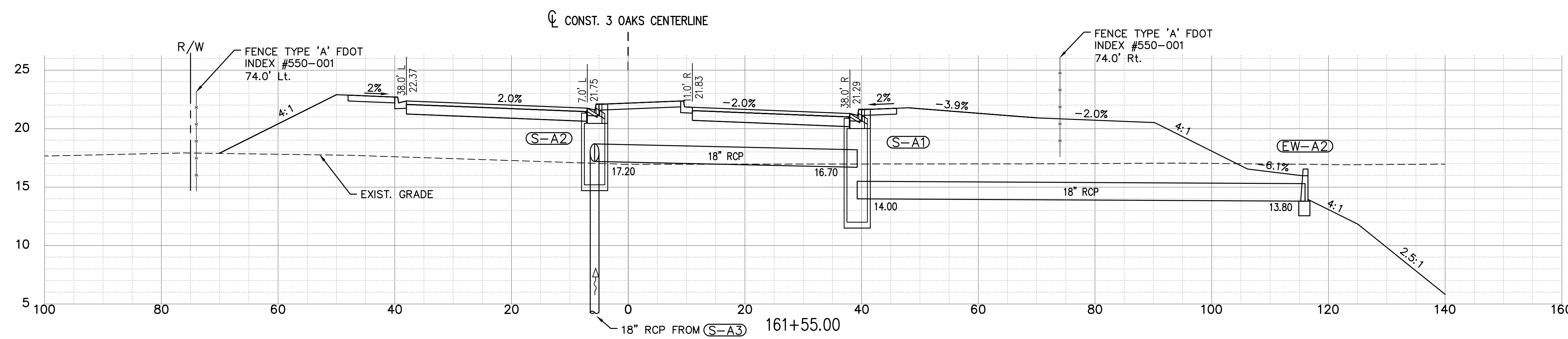
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN ON THIS SHEET REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.



(S-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=12.00
INV IN (NW)= 16.70 18" RCP
INV OUT (SE)= 14.00 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

(EW-A3)
CONST. 18" STRAIGHT CONC. ENDWALL
FDOT INDEX 430-030
STA 165+38.00 (116.00 R)
INV IN= 13.80 (NW) 18" RCP



(EW-A2)
CONST. 18" STRAIGHT CONC. ENDWALL
FDOT INDEX 430-030
STA 161+55.00 (116.00 R)
INV IN (W)= 13.80 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-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=12.00
INV IN (W)= 16.70 18" RCP
INV OUT (E)= 14.00 18" RCP

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

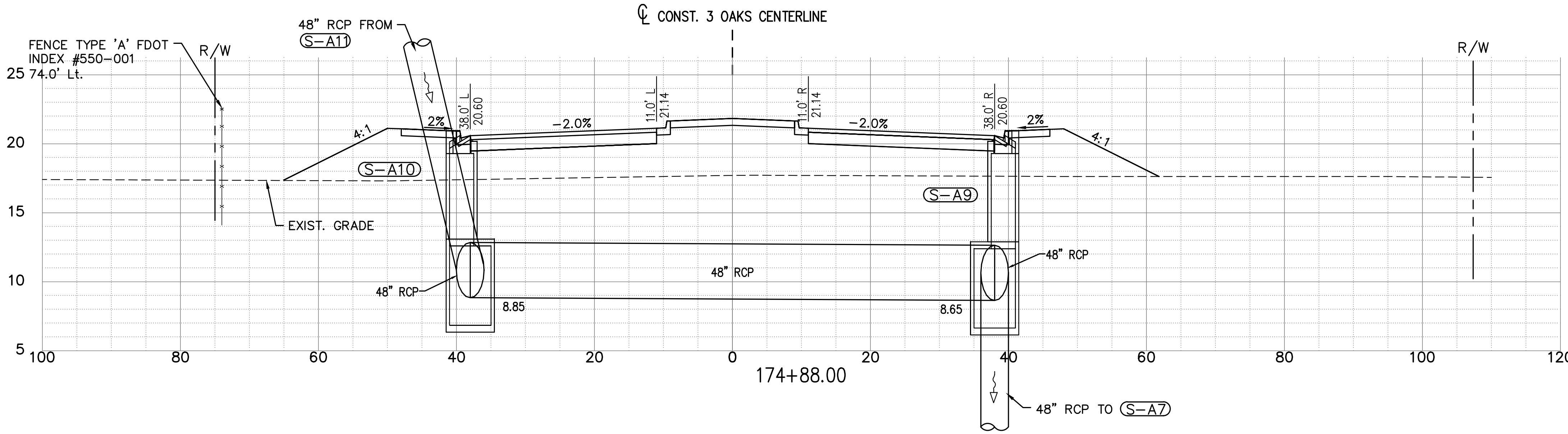
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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

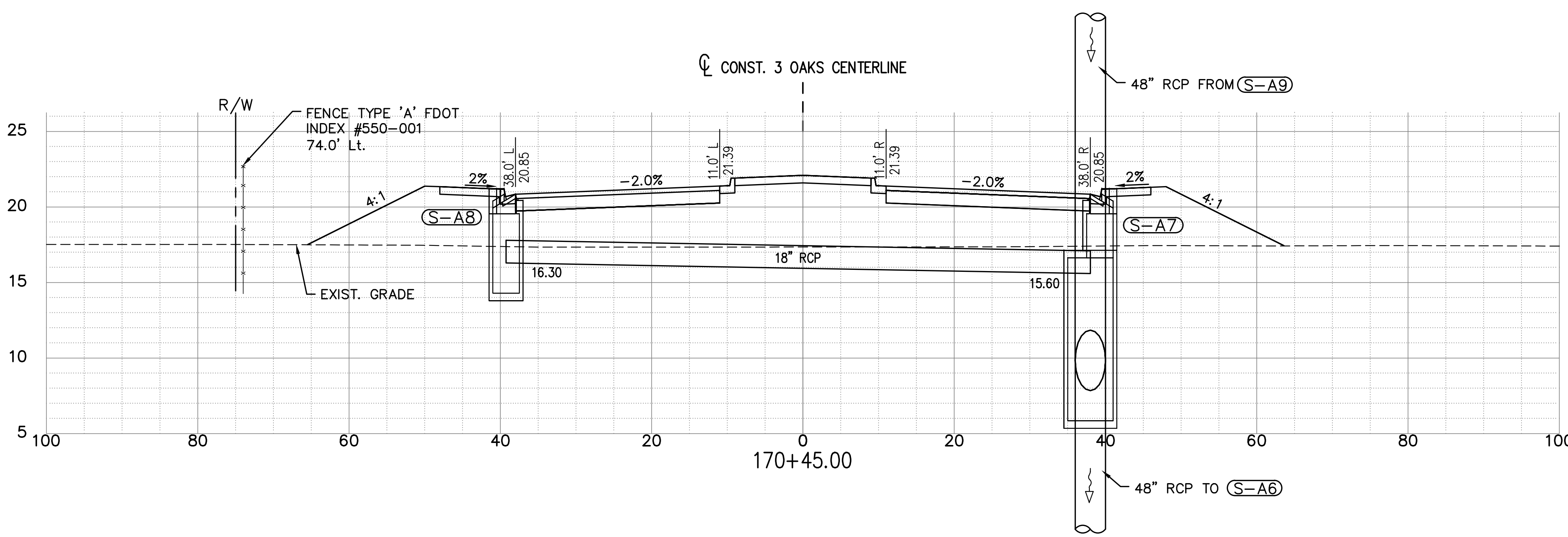
DRAINAGE STRUCTURES
THREE OAKS PKWY EXT.

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.



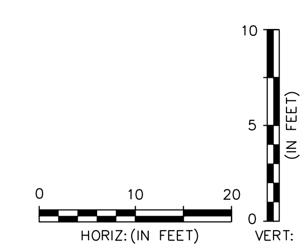
S-A9
CONST. CURB INLET TYPE 'J-6' >10'
FDOT Index No. 425-021
STA 174+88.00 (-39.25 L)
RIM ELEV=20.97
LIP/EOP ELEV=20.60
SUMP=6.65
INV IN(NW)= 8.65 48" RCP
INV OUT (SW)= 8.65 48" RCP

S-A10
CONST. CURB INLET TYPE 'J-6' >10'
FDOT Index No. 425-021
STA 174+88.00 (39.25 R)
RIM ELEV=20.97
LIP/EOP ELEV=20.60
SUMP=6.85
INV IN(NE)= 8.85 48" RCP
INV OUT (SE)= 8.85 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=21.23
LIP/EOP ELEV=20.85
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=21.23
LIP/EOP ELEV=20.85
SUMP=14.30
INV OUT (SE)= 16.30 18" RCP



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\DRNG-STR_X-SECT.dwg, 40 DRAINAGE STRUCTURES, 6/16/2020 11:45:53 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

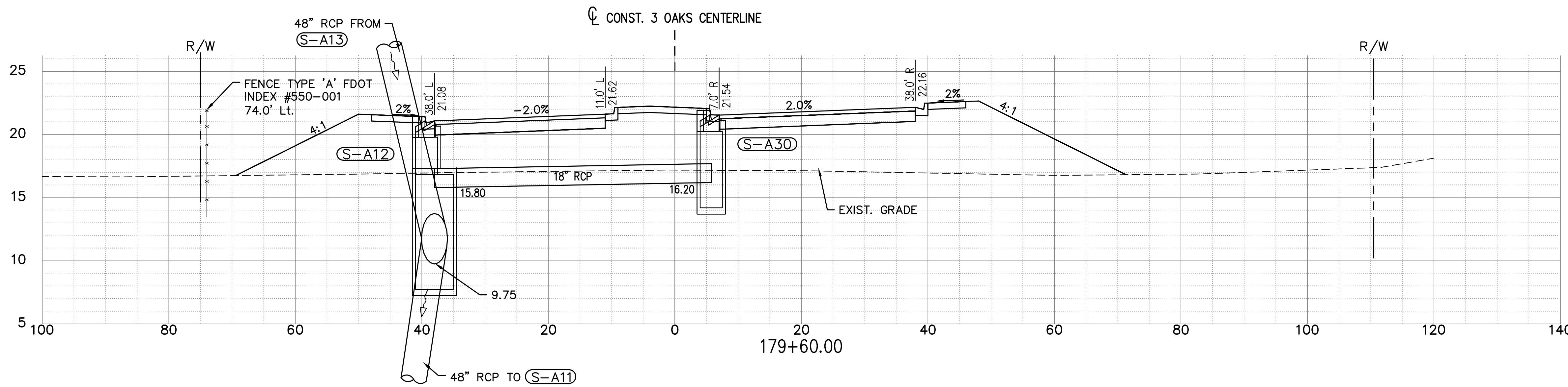
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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

DRAINAGE STRUCTURES
THREE OAKS PKWY EXT.

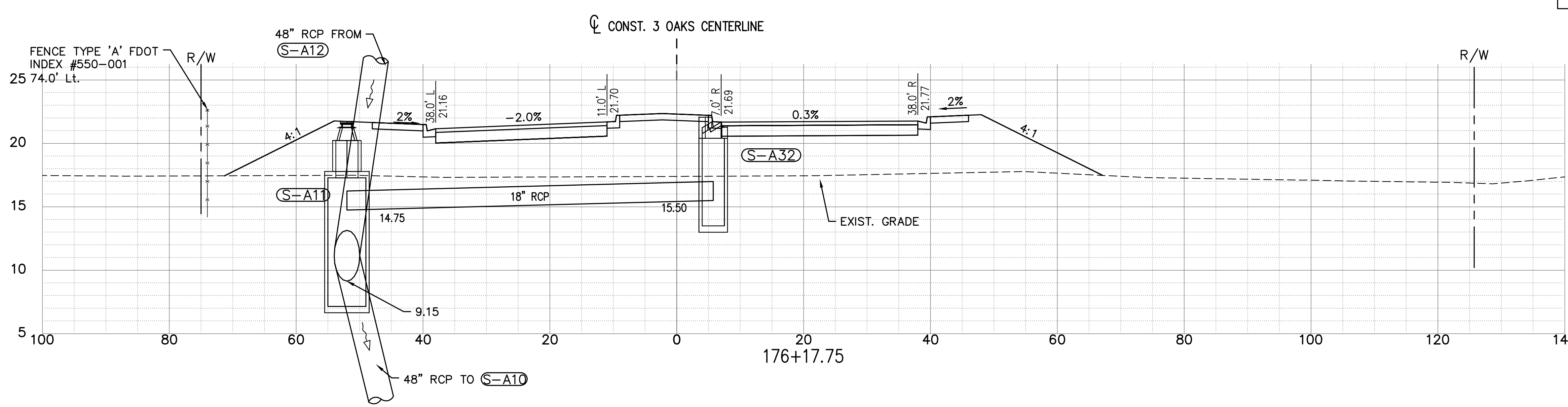
SHEET 40 of 132



S-A12
CONST. CURB INLET TYPE 'J-6' >10'
FDOT Index No. 425-021
STA 179+60.00 (-39.25 L)
RIM ELEV=21.45
LIP/EOP ELEV=21.08
SUMP=7.75
INV IN(SE)= 15.80 18" RCP
INV IN(NE)= 9.75 48" RCP
INV OUT (SW)= 9.75 48" RCP

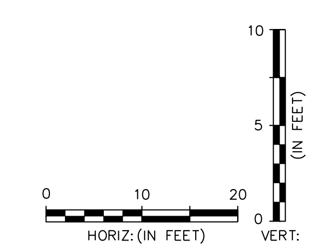
S-A30
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 179+60.00 (5.75 R)
RIM ELEV=21.91
LIP/EOP ELEV=21.54
SUMP=14.20
INV OUT (NW)= 16.20 18" RCP

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.



S-A11
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 176+17.75 (-52.00 L)
RIM=21.73
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=22.06
LIP/EOP ELEV=21.69
SUMP=13.50
INV OUT (NW)= 15.50 18" RCP



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\DRNG-STR_X-SECT.dwg, 41 DRAINAGE STRUCTURES, 6/16/2020 11:46:08 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

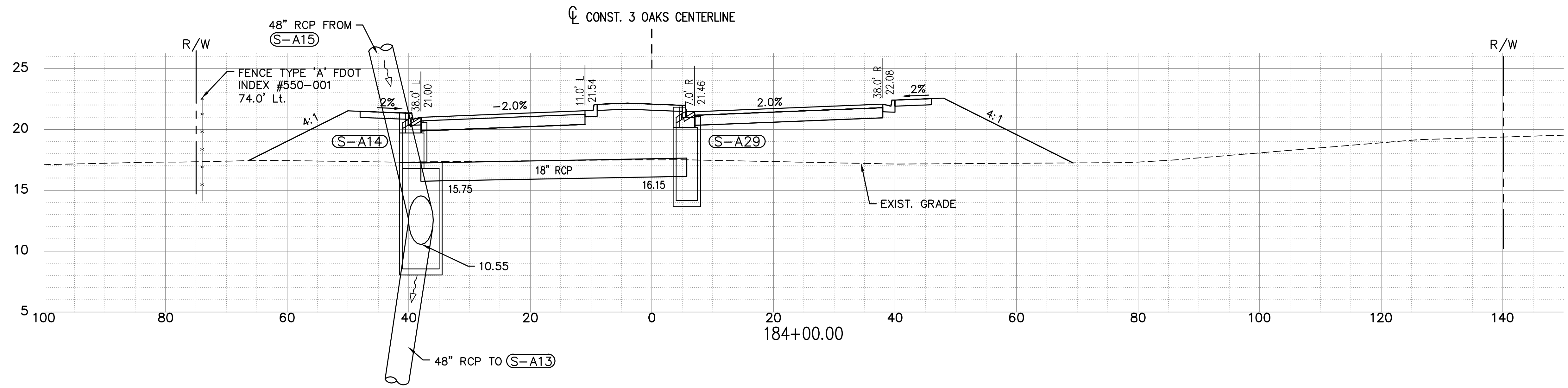
AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

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

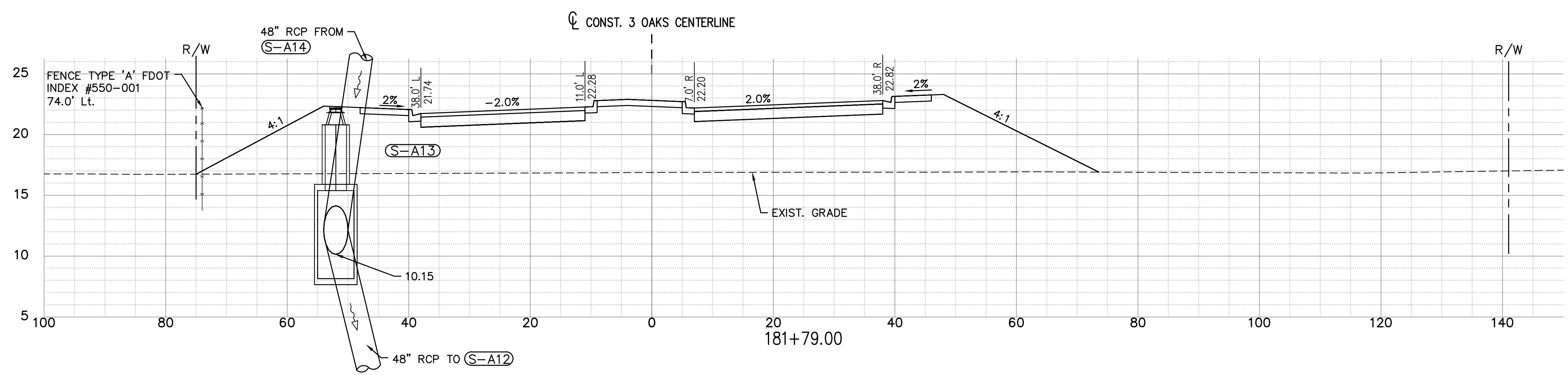
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

DRAINAGE STRUCTURES
THREE OAKS PKWY EXT.



S-A14
CONST. CURB INLET TYPE 'J-6' >10'
FDOT Index No. 425-021
STA 184+00.00 (-39.25 L)
RIM ELEV=21.38
LIP/EOP ELEV=21.00
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-A29
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 184+00.00 (5.75 R)
RIM ELEV=21.84
LIP/EOP ELEV=21.46
SUMP=14.15
INV OUT (W)= 16.15 18" RCP



S-A13
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 181+79.00 (-52.00 L)
RIM=22.31
SUMP=8.15
INV IN(NE)= 10.15 48" RCP
INV OUT (SW)= 10.15 48" 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.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

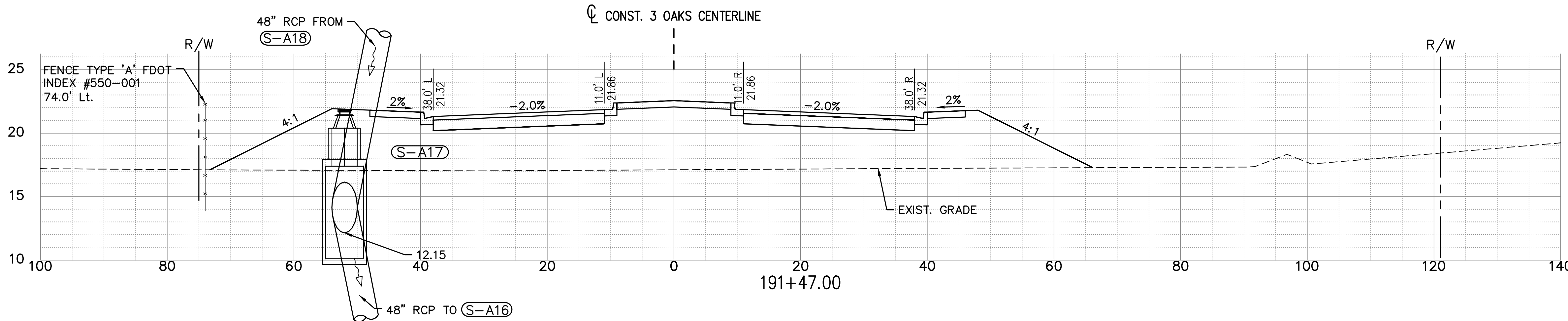
AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

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

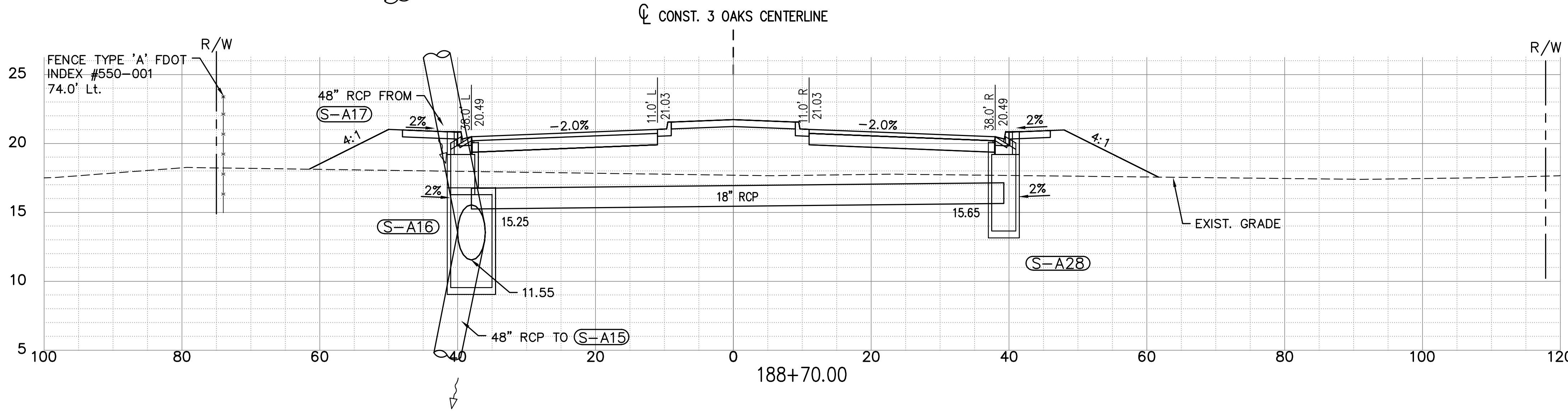
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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

DRAINAGE STRUCTURES
THREE OAKS PKWY EXT.

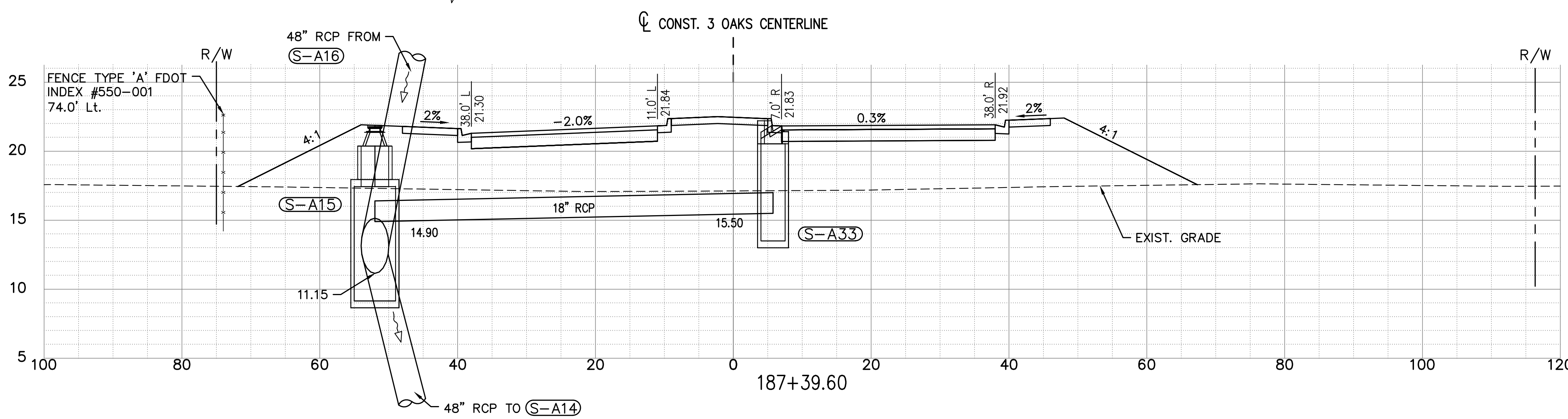


S-A17
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 191+47.00 (-52.00 L)
RIM=21.90
SUMP=10.15
INV IN (N)= 12.15 48" RCP
INV OUT (S)= 12.15 48" RCP



S-A16
CONST. CURB INLET TYPE 'J-6' >10'
FDOT Index No. 425-021
STA 188+70.00 (-39.25 L)
RIM ELEV=20.87
LIP/EOP ELEV=20.49
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-A28
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 188+70.00 (39.25 R)
RIM ELEV=20.87
LIP/EOP ELEV=20.49
SUMP=13.65
INV OUT (W)= 15.65 18" RCP



S-A15
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 187+39.60 (-52.00 L)
RIM=21.88
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-A33
CONST. CURB INLET TYPE 'P-5' <10'
FDOT Index No. 425-021
STA 187+39.60 (5.75 R)
RIM ELEV=22.21
LIP/EOP ELEV=21.83
SUMP=13.50
INV OUT (W)= 15.50 18" RCP

HORIZ: (IN FEET) 0 10 20
VERT: (IN FEET) 0 5 10

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.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

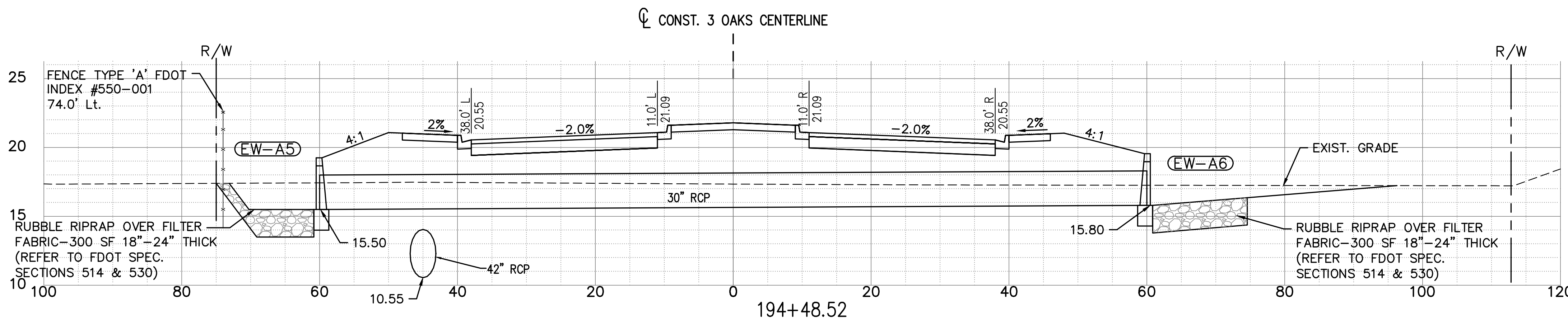
AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

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

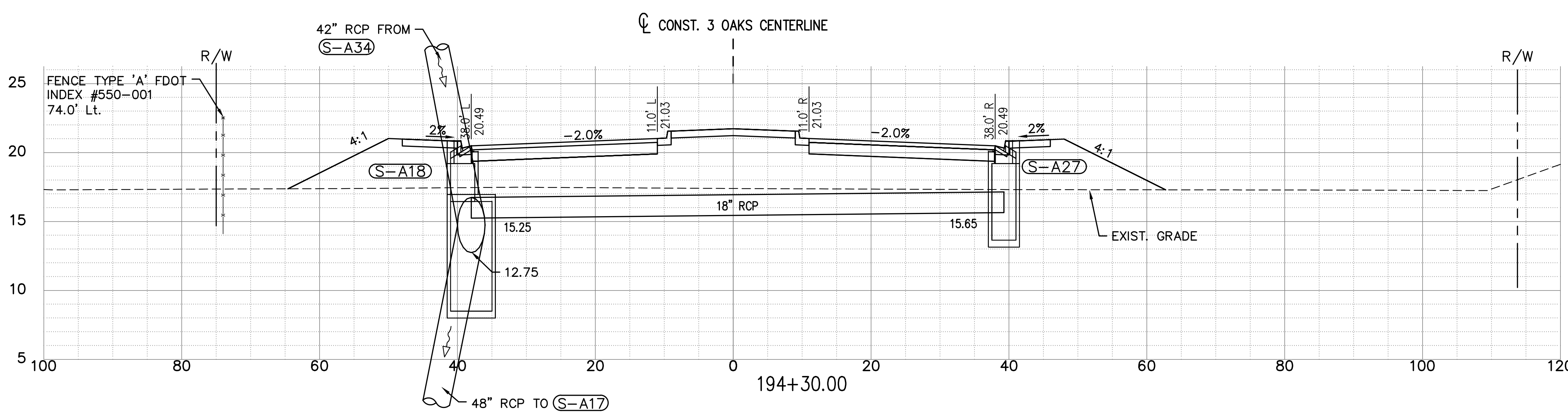
THREE OAKS PARKWAY EXTENSION
PHASE I: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

DRAINAGE STRUCTURES
THREE OAKS PKWY EXT.



EW-A5
CONST. 30" STRAIGHT CONC. ENDWALL
FDOT INDEX 430-030
STA 194+48.52 (-60.00 L)
INV IN (E)= 15.50 30" RCP

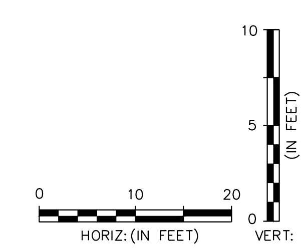
EW-A6
CONST. 30" STRAIGHT CONC. ENDWALL
FDOT INDEX 430-030
STA 194+48.52 (60.00 R)
INV OUT= 15.80 (W)



S-A18
CONST. CURB INLET TYPE 'J-6' >10'
FDOT Index No. 425-021
STA 194+30.00 (-39.25 L)
RIM ELEV=20.87
LIP/EOP ELEV=20.49
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=20.87
LIP/EOP ELEV=20.49
SUMP=13.65
INV OUT (W)= 15.65 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.



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\DRNG-STR_X-SECT.dwg, 44 DRAINAGE STRUCTURES, 6/16/2020 11:46:53 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

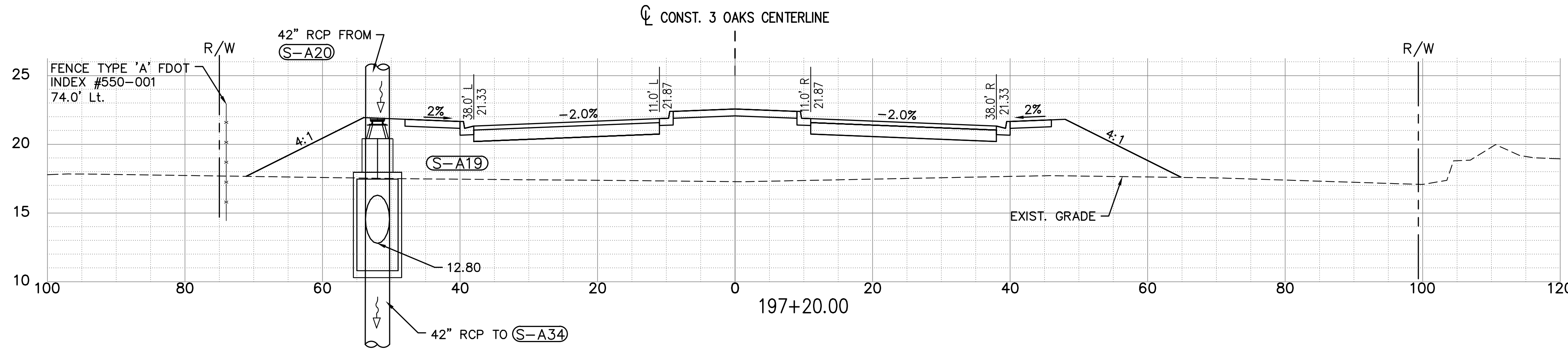
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

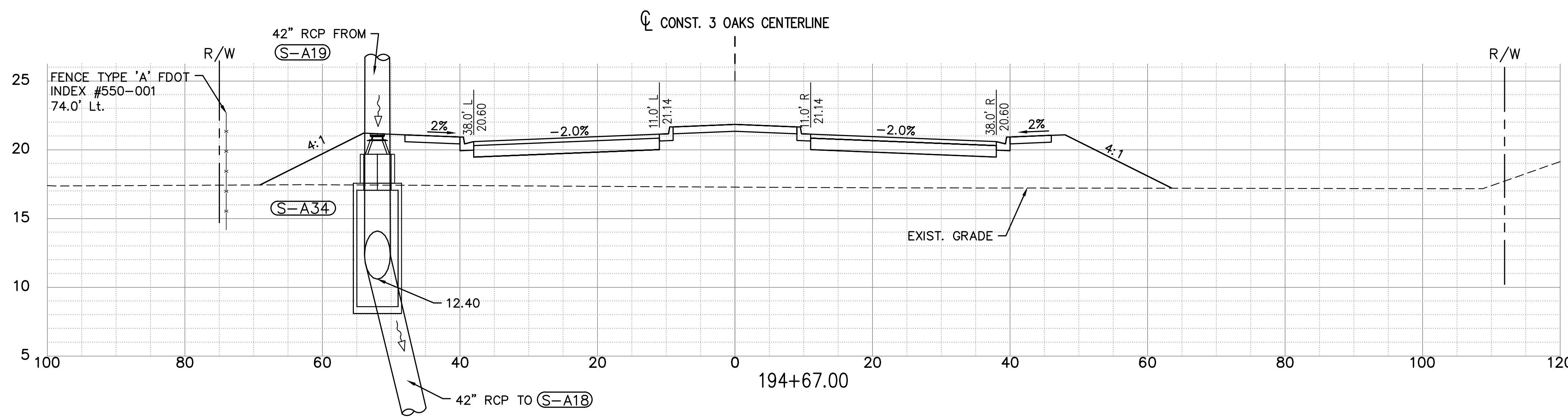
THREE OAKS PARKWAY EXTENSION
PHASE I: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

DRAINAGE STRUCTURES
THREE OAKS PKWY EXT.

SHEET 44 of 132

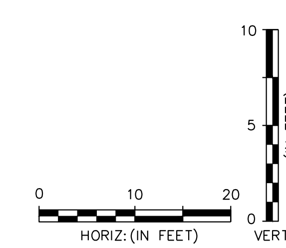


S-A19
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 197+20.00 (-52.00 L)
RIM=21.91
SUMP=10.80
INV IN(N)= 12.80 42" RCP
INV OUT (S)= 12.80 42" RCP



S-A34
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 194+67.00 (-52.00 L)
RIM=21.18
SUMP=8.60
INV IN(N)= 12.40 42" RCP
INV OUT (S)= 10.60 42" 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.



DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

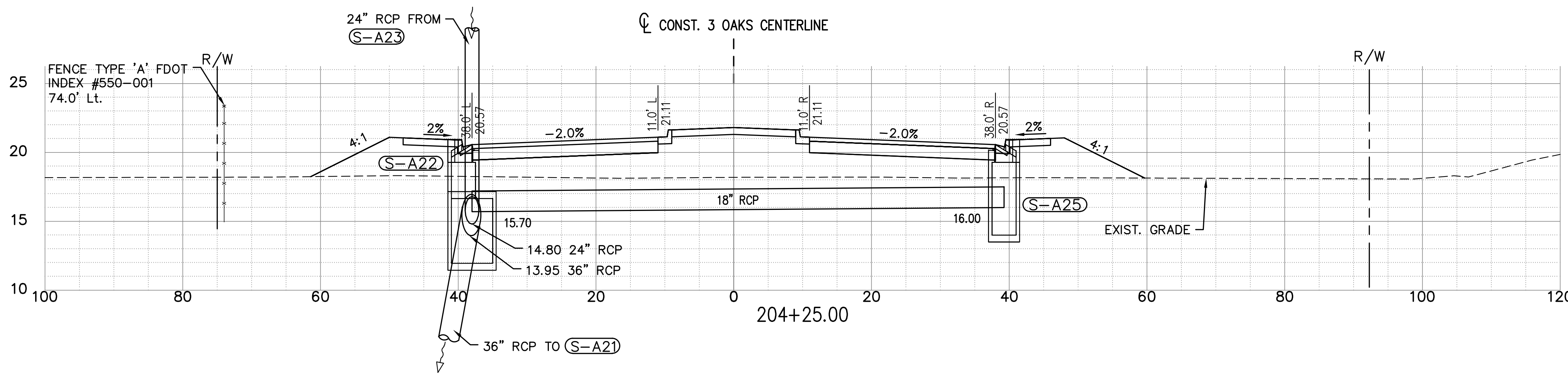
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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

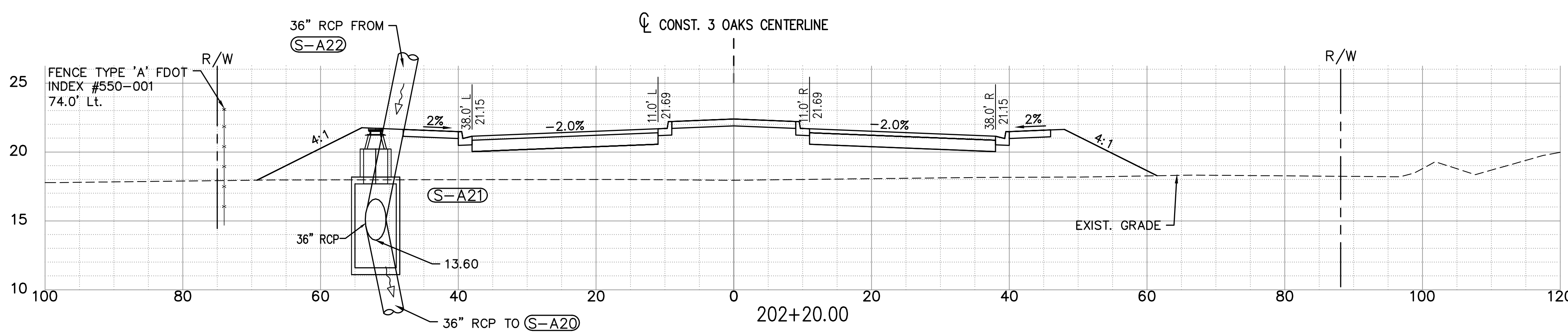
DRAINAGE STRUCTURES
THREE OAKS PKWY EXT.

SHEET
45 of 132



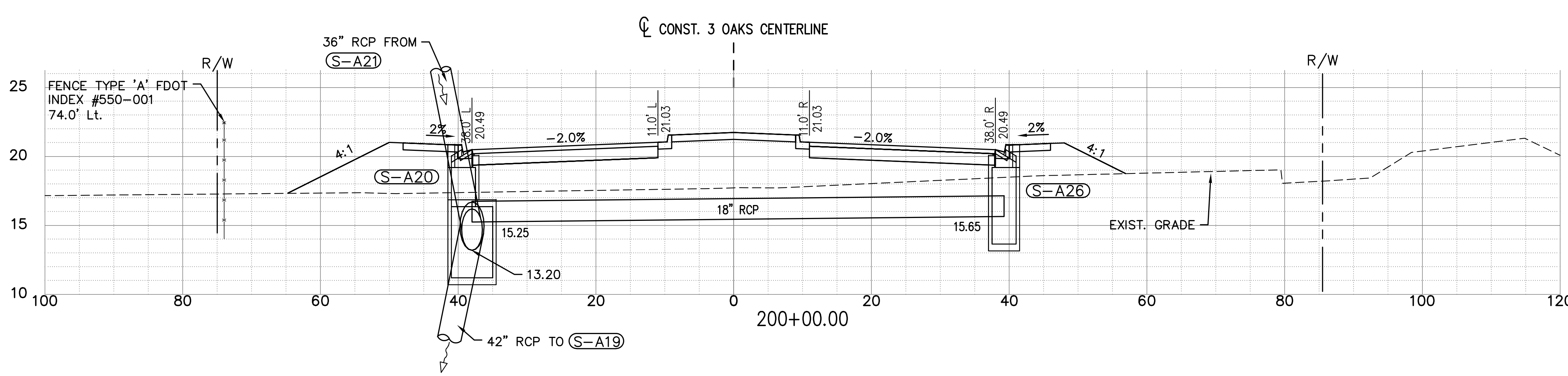
S-A22
CONST. CURB INLET TYPE 'J-6' <10'
FDOT Index No. 425-021
STA 204+25.00 (-39.25 L)
RIM ELEV=20.94
LIP/EOP ELEV=20.57
SUMP=11.95
INV IN(E)= 15.70 18" RCP
INV IN(N)= 14.80 24" RCP
INV OUT (S)= 13.95 36" RCP

S-A25
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 204+25.00 (39.25 R)
RIM ELEV=20.94
LIP/EOP ELEV=20.57
SUMP=14.00
INV OUT (W)= 16.00 18" RCP



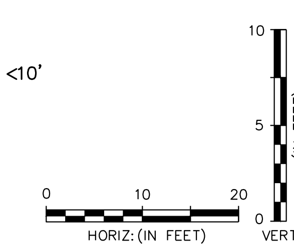
S-A21
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 202+20.00 (-52.00 L)
RIM=21.73
SUMP=11.60
INV IN(N)= 13.60 36" RCP
INV OUT (S)= 13.60 36" RCP

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-A20
CONST. CURB INLET TYPE 'J-6' <10'
FDOT Index No. 425-021
STA 200+00.00 (-39.25 L)
RIM ELEV=20.87
LIP/EOP ELEV=20.49
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=20.87
LIP/EOP ELEV=20.49
SUMP=13.65
INV OUT (W)= 15.65 18" RCP



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\DRNG-STR_X-SECT.dwg, 46 DRAINAGE STRUCTURES, 6/16/2020 11:47:23 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

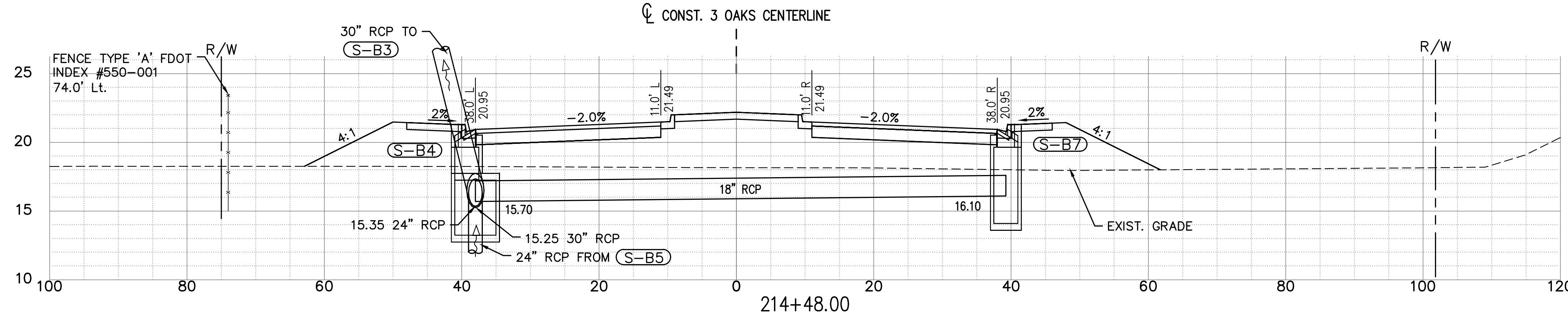
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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

DRAINAGE STRUCTURES
THREE OAKS PKWY EXT.

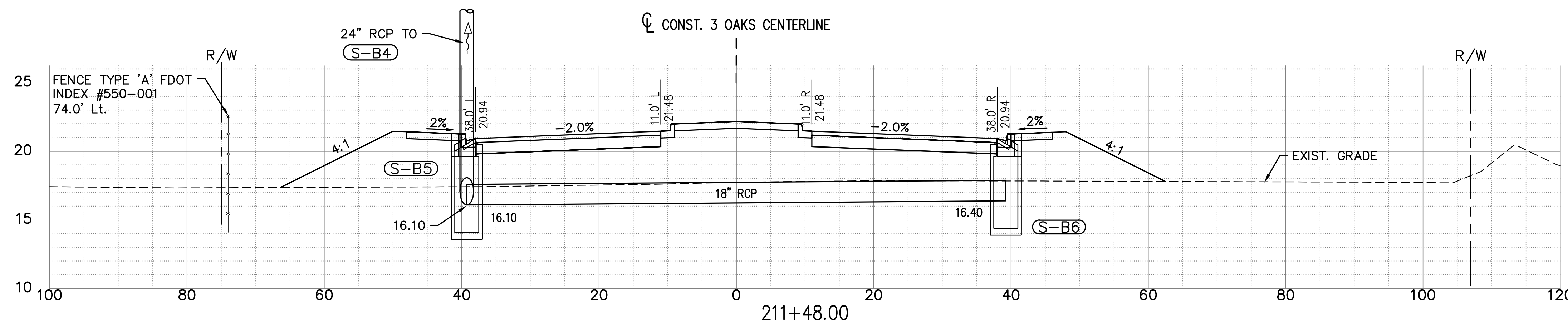
SHEET
46 of 132

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\DRNG-STR_X-SECT.dwg, 47 DRAINAGE STRUCTURES, 6/16/2020 11:47:38 AM, Avalon Engineering Inc.



S-B4
CONST. CURB INLET TYPE 'J-6' <10'
FDOT Index No. 425-021
STA 214+48.00 (-39.25 L)
RIM ELEV=21.32
LIP/EOP ELEV=20.95
SUMP=13.25
INV IN(E)= 15.70 18" RCP
INV IN(S)= 15.35 24" RCP
INV OUT (N)= 15.25 30" RCP

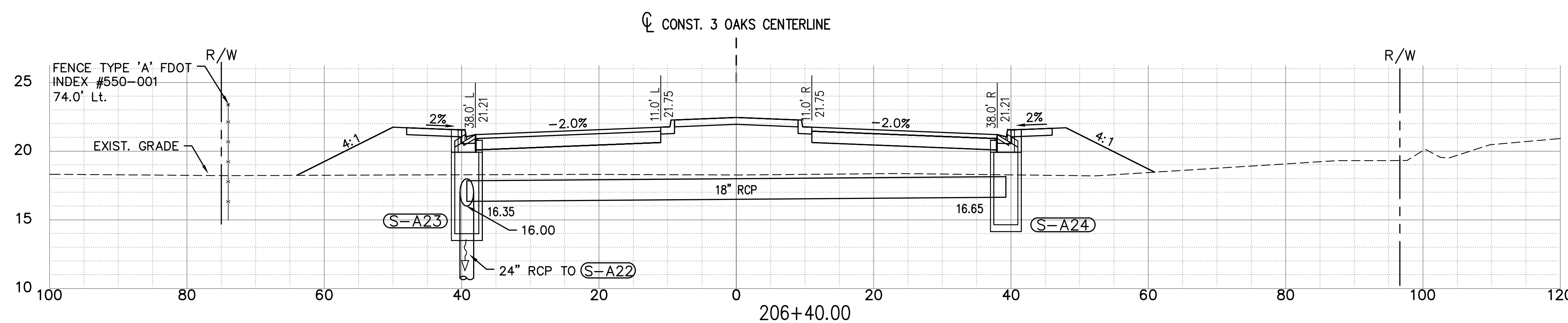
S-B7
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 214+48.00 (39.25 R)
RIM ELEV=21.32
LIP/EOP ELEV=20.95
SUMP=14.10
INV OUT (W)= 16.10 18" RCP



S-B5
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 211+48.00 (-39.25 L)
RIM ELEV=21.31
LIP/EOP ELEV=20.94
SUMP=14.10
INV IN(E)= 16.10 18" RCP
INV OUT (N)= 16.10 24" RCP

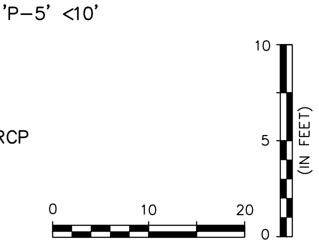
S-B6
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 211+48.00 (39.25 R)
RIM ELEV=21.31
LIP/EOP ELEV=20.94
SUMP=14.40
INV OUT (W)= 16.40 18" RCP

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.



S-A23
CONST. CURB INLET TYPE 'P-5' <10'
FDOT Index No. 425-021
STA 206+40.00 (-39.25 L)
RIM ELEV=21.59
LIP/EOP ELEV=21.21
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=21.59
LIP/EOP ELEV=21.21
SUMP=14.65
INV OUT (W)= 16.65 18" RCP



DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
LEE COUNTY DOT PROJECT:CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

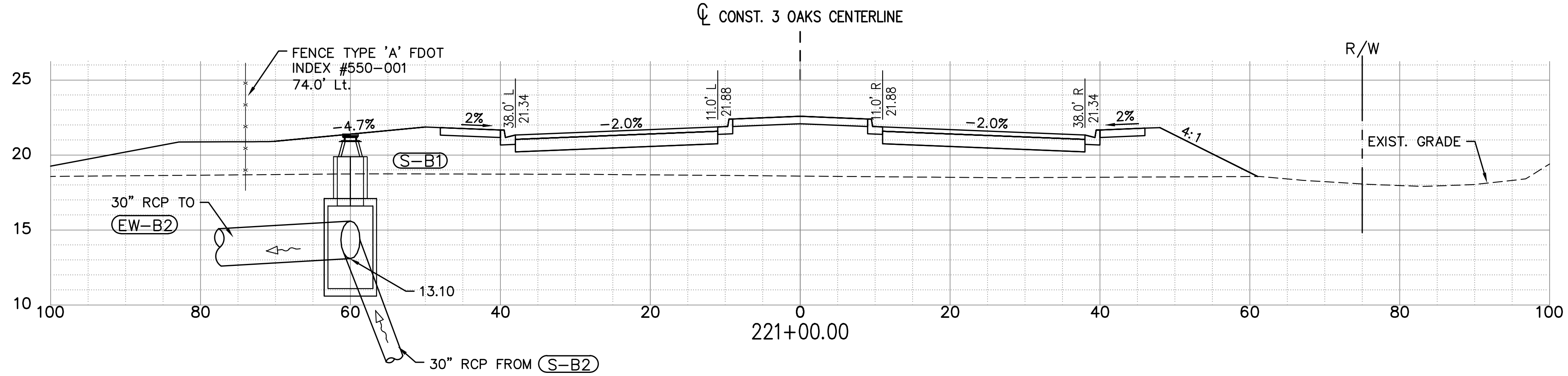
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

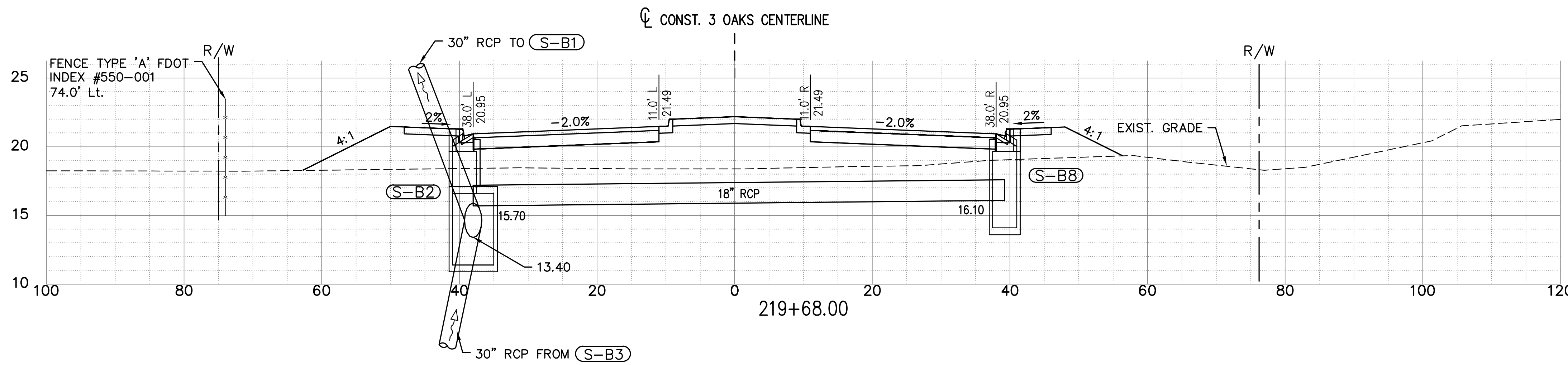
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

DRAINAGE STRUCTURES
THREE OAKS PKWY EXT.

SHEET
47 of 132

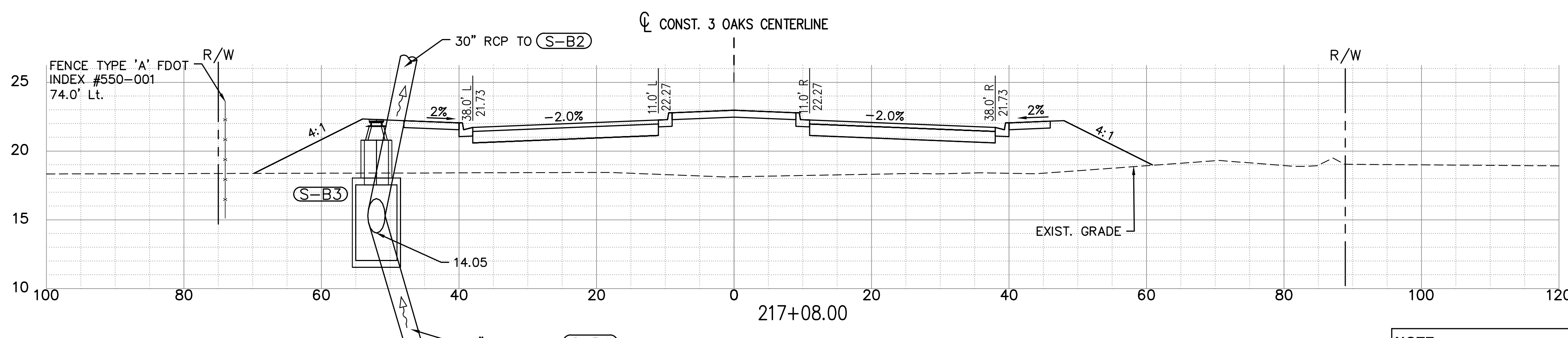


(S-B1) CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 221+00.00 (-60.00 L)
RIM=21.40
SUMP=11.10
INV IN(S)= 13.10 30" RCP
INV OUT (NW)= 13.10 30" RCP

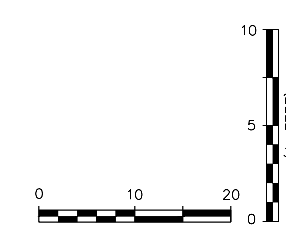


(S-B2) CONST. CURB INLET TYPE 'J-6' <10'
FDOT Index No. 425-021
STA 219+68.00 (-39.25 L)
RIM ELEV=21.32
LIP/EOP ELEV=20.95
SUMP=11.40
INV IN(E)= 15.70 18" RCP
INV IN(S)= 13.40 30" RCP
INV OUT (N)= 13.40 30" RCP

(S-B8) CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 219+68.00 (39.25 R)
RIM ELEV=21.32
LIP/EOP ELEV=20.95
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=22.30
SUMP=12.05
INV IN(S)= 14.05 30" RCP
INV OUT (N)= 14.05 30" 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.**

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\DRNG-STR_X-SECT.dwg, 48 DRAINAGE STRUCTURES, 6/16/2020 11:47:53 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

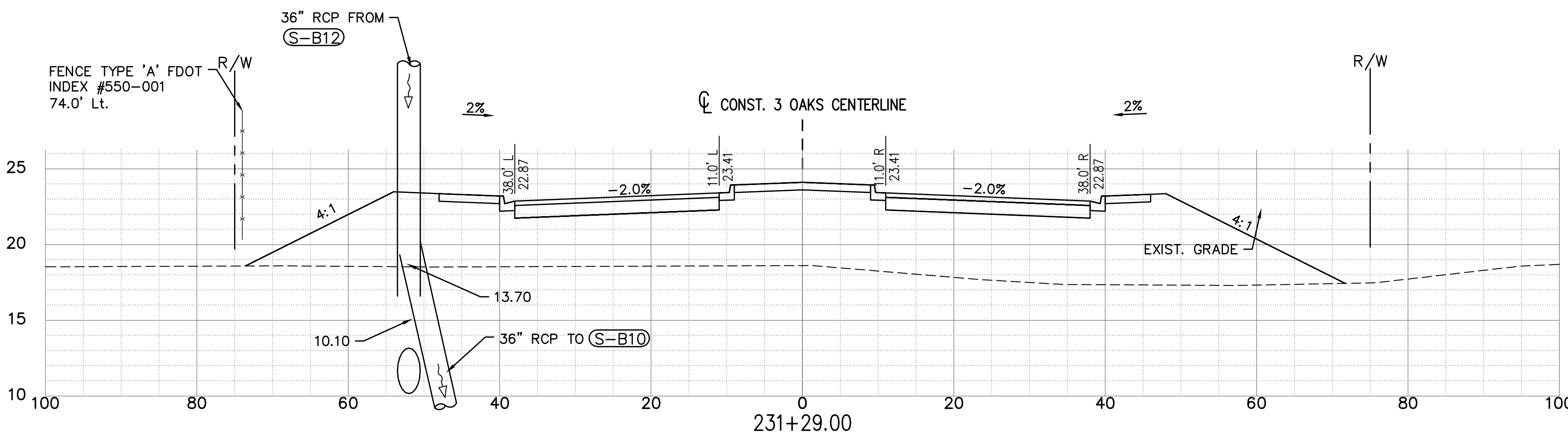
AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

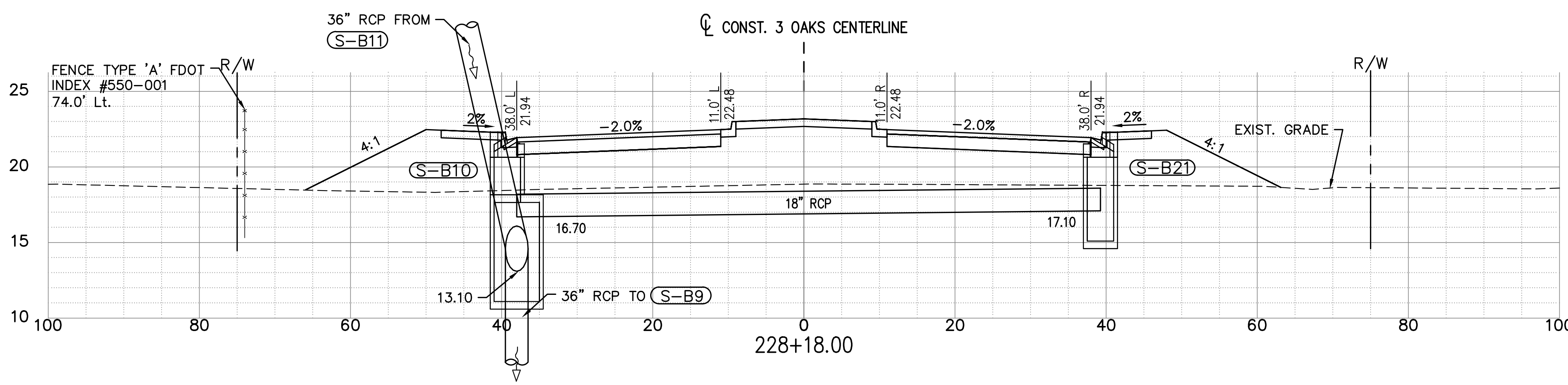
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

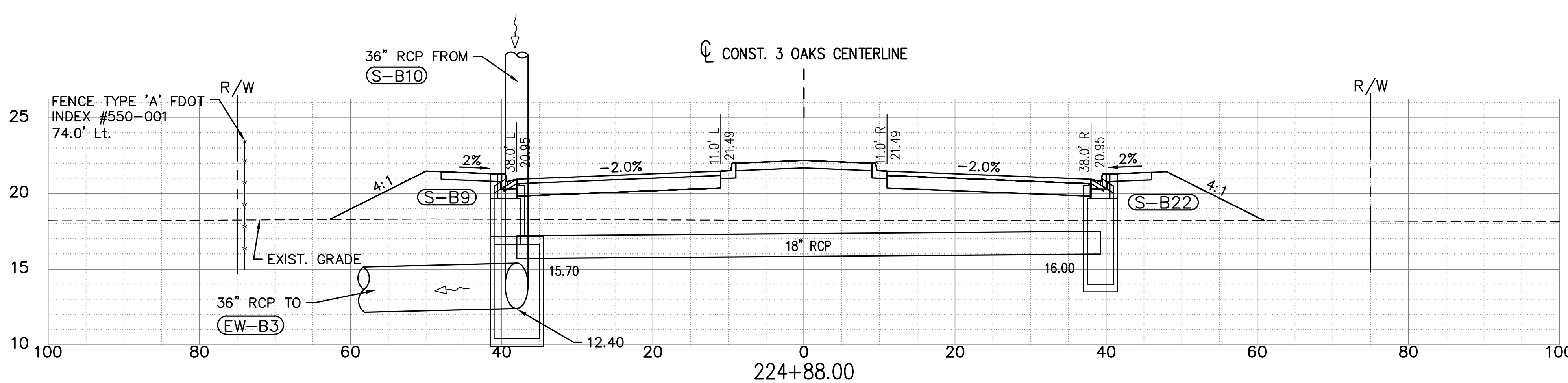
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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

DRAINAGE STRUCTURES
THREE OAKS PKWY EXT.







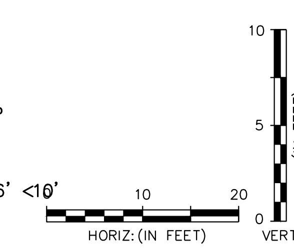
S-B10
CONST. CURB INLET TYPE 'J-5' >10'
FDOT Index No. 425-021
STA 228+18.00 (-39.25 L)
RIM ELEV=22.31
LIP/EOP ELEV=21.94
SUMP=11.10
INV IN(E)= 16.70 18" RCP
INV IN(N)= 13.10 36" RCP
INV OUT (S)= 13.10 36" RCP

S-B21
CONST. CURB INLET TYPE 'P-5' <10'
FDOT Index No. 425-021
STA 228+18.00 (39.25 R)
RIM ELEV=22.31
LIP/EOP ELEV=21.94
SUMP=15.10
INV OUT (W)= 17.10 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.

S-B9
CONST. CURB INLET TYPE 'J-6' >10'
FDOT Index No. 425-021
STA 224+88.00 (-39.25 L)
RIM ELEV=21.32
LIP/EOP ELEV=20.95
SUMP=10.40
INV IN(E)= 15.70 18" RCP
INV IN(N)= 12.40 36" RCP
INV OUT (SW)= 12.40 36" RCP

S-B22
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 224+88.00 (39.25 R)
RIM ELEV=21.32
LIP/EOP ELEV=20.95
SUMP=14.00
INV OUT (W)= 16.00 18" RCP



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\DRNG-STR_X-SECT.dwg, 49 DRAINAGE STRUCTURES, 6/16/2020 11:48:13 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

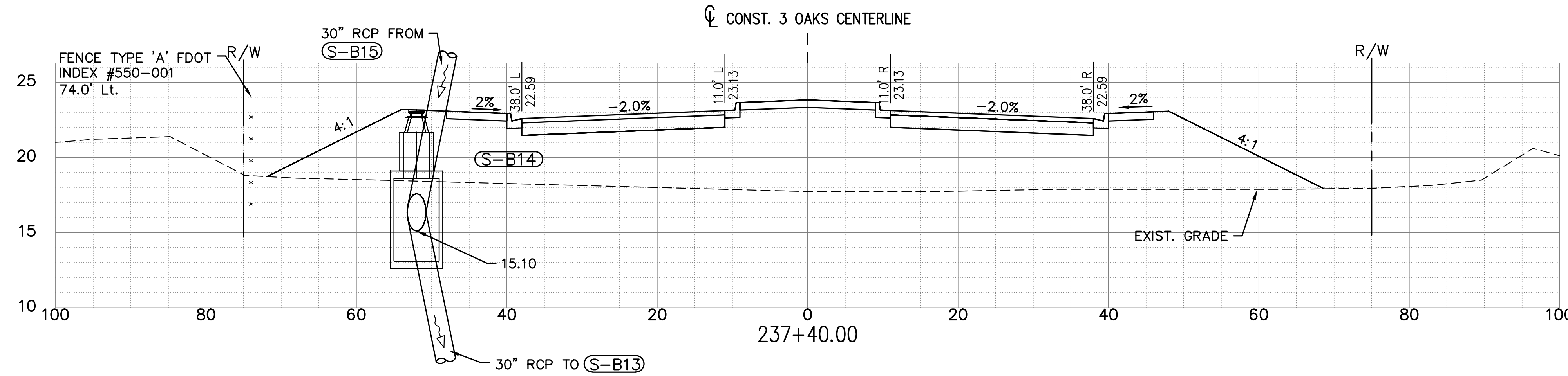
AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

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

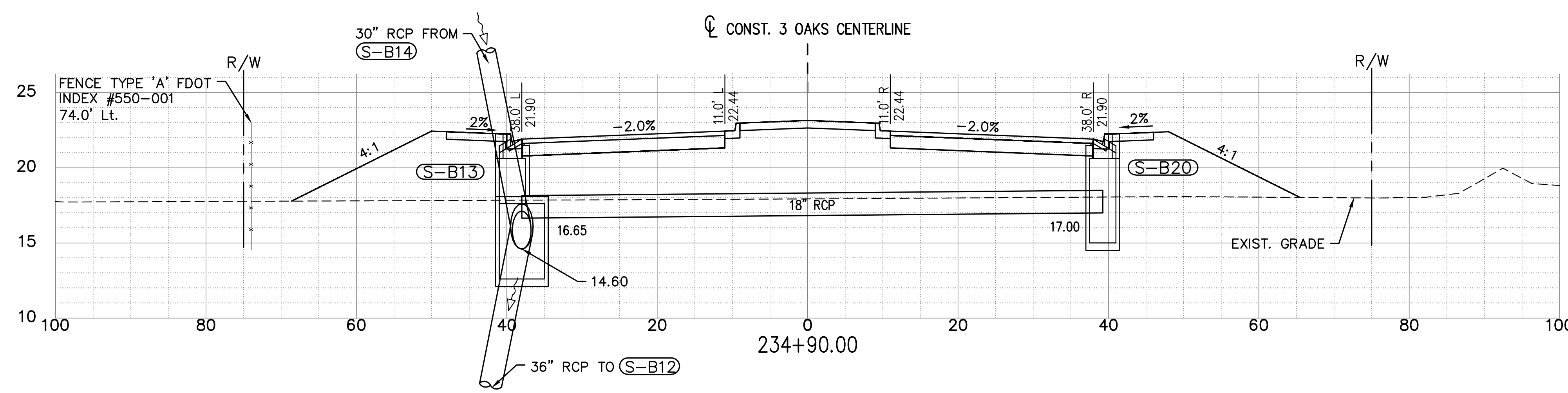
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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

DRAINAGE STRUCTURES
THREE OAKS PKWY EXT.



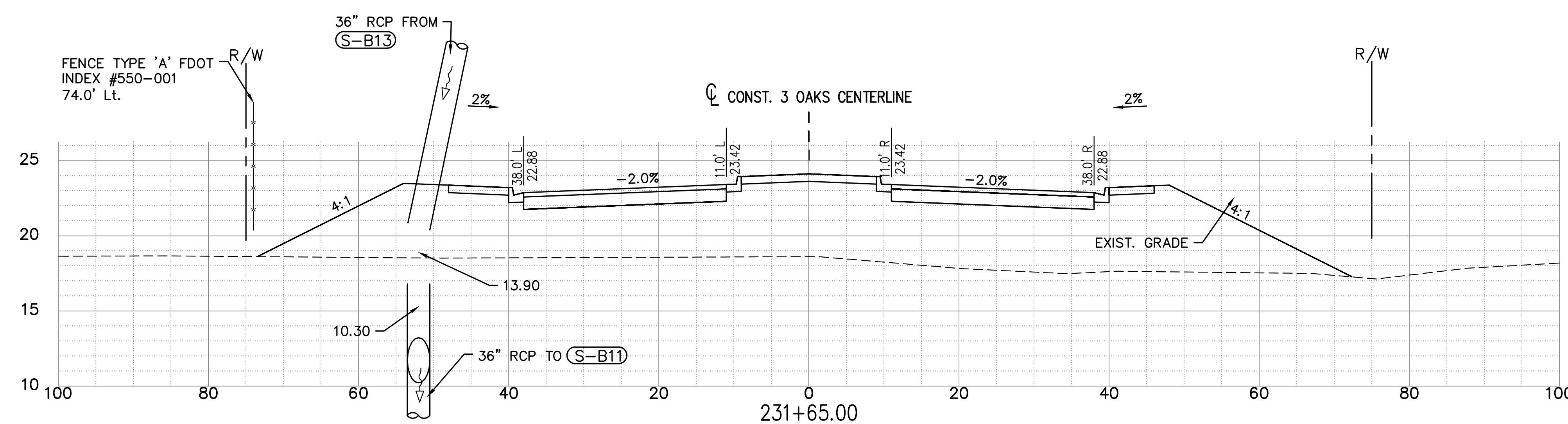
S-B14
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 237+40.00 (-52.00 L)
RIM=23.17
SUMP=13.10
INV IN(N)= 15.10 30" RCP
INV OUT (S)= 15.10 30" RCP

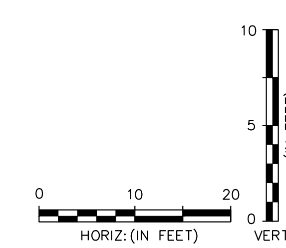


S-B13
CONST. CURB INLET TYPE 'J-6' <10'
FDOT Index No. 425-021
STA 234+90.00 (-39.25 L)
RIM ELEV=22.28
LIP/EOP ELEV=21.90
SUMP=12.60
INV IN(E)= 16.65 18" RCP
INV IN(N)= 14.60 30" RCP
INV OUT (S)= 14.60 36" RCP

S-B20
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 234+90.00 (39.25 R)
RIM ELEV=22.28
LIP/EOP ELEV=21.90
SUMP=15.00
INV OUT (W)= 17.00 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.





DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

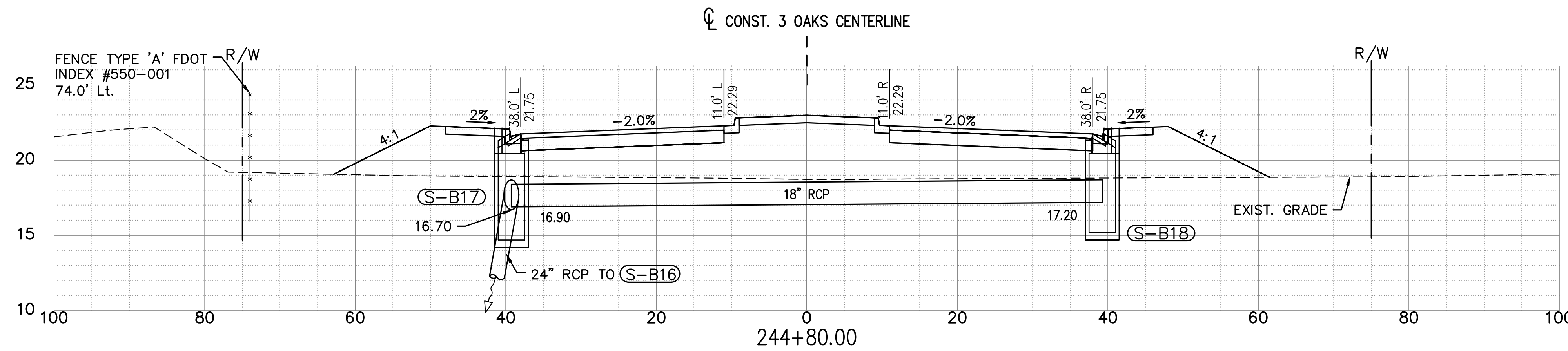
AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

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

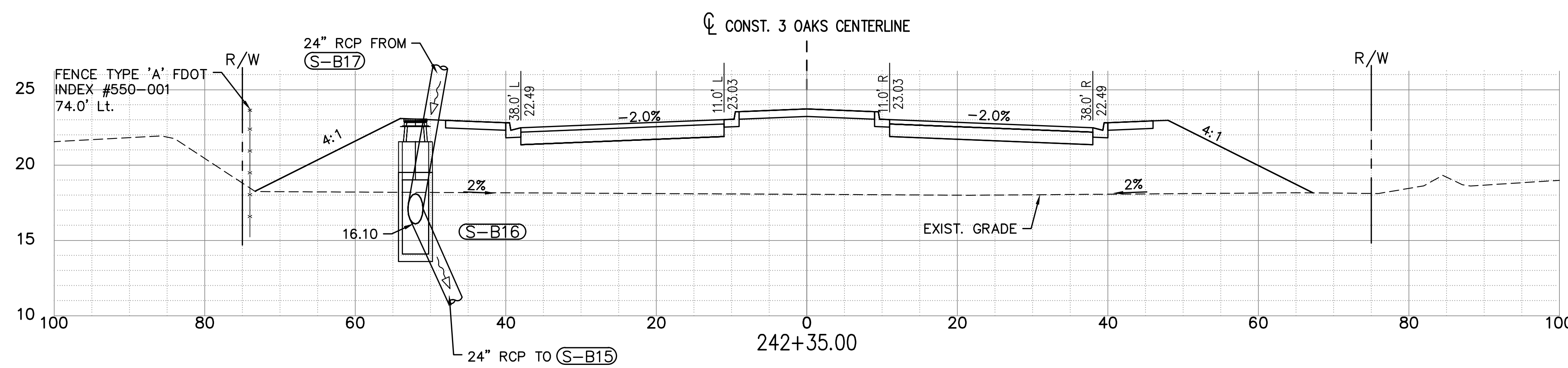
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

DRAINAGE STRUCTURES
THREE OAKS PKWY EXT.

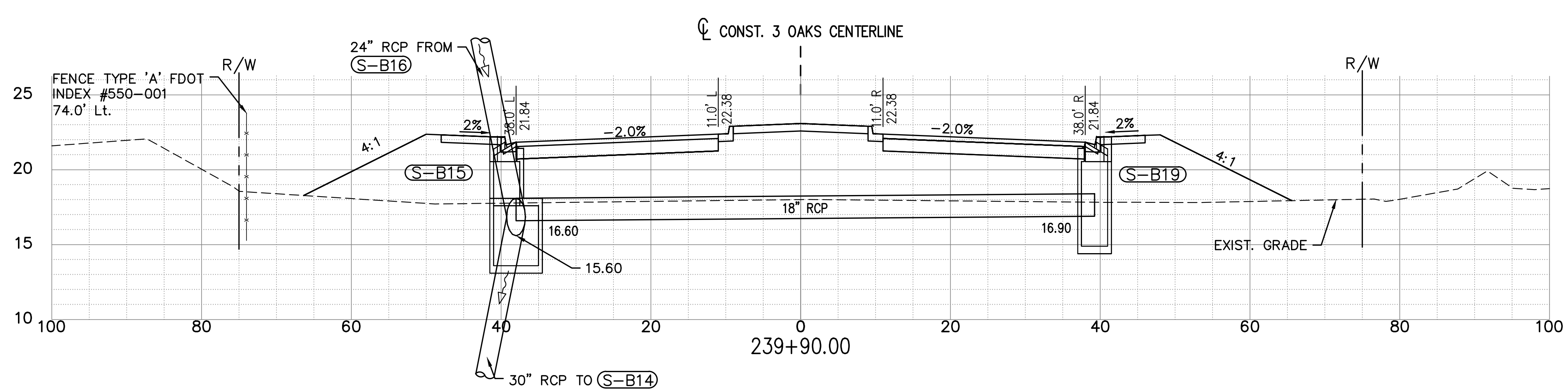


S-B17
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 244+80.00 (-39.25 L)
RIM ELEV=22.13
LIP/EOP ELEV=21.75
SUMP=14.70
INV IN(E)= 16.90 18" RCP
INV OUT (S)= 16.70 24" RCP

S-B18
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 244+80.00 (39.25 R)
RIM ELEV=22.13
LIP/EOP ELEV=21.75
SUMP=15.20
INV OUT (W)= 17.20 18" RCP

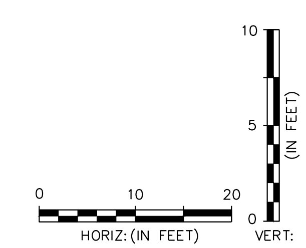


S-B16
CONST. MANHOLE TYPE 'P-8' <10'
FDOT Index No. 425-001
STA 242+35.00 (-52.00 L)
RIM=23.06
SUMP=14.10
INV IN(N)= 16.10 24" RCP
INV OUT (S)= 16.10 24" RCP



S-B15
CONST. CURB INLET TYPE 'J-6' <10'
FDOT Index No. 425-021
STA 239+90.00 (-39.25 L)
RIM ELEV=22.22
LIP/EOP ELEV=21.84
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=22.22
LIP/EOP ELEV=21.84
SUMP=14.90
INV OUT (W)= 16.90 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.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

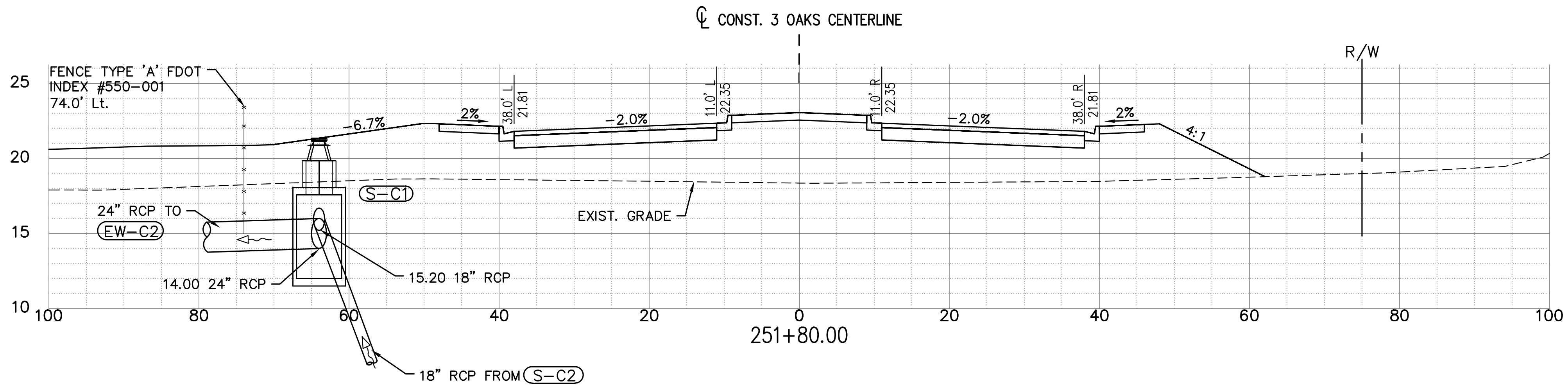
AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

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

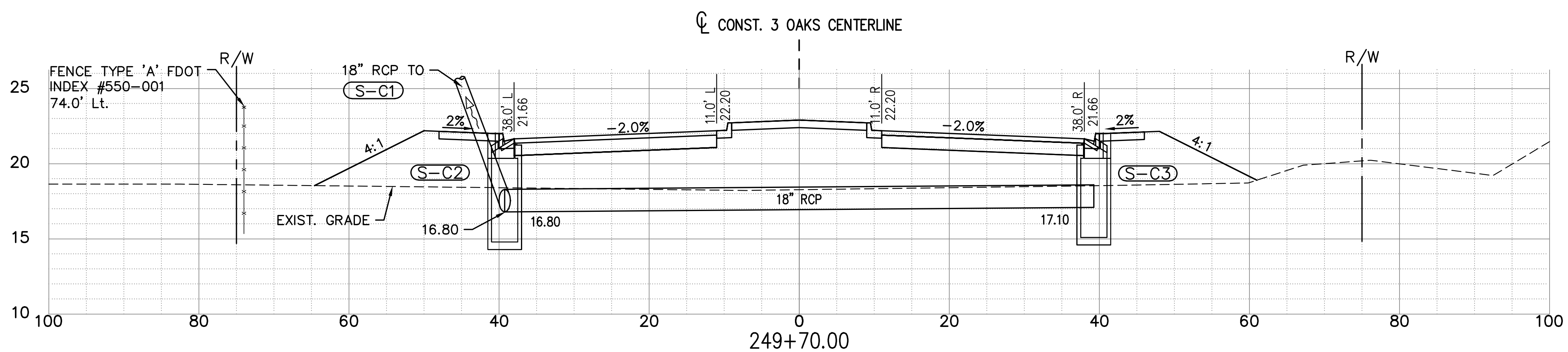
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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

DRAINAGE STRUCTURES
THREE OAKS PKWY EXT.

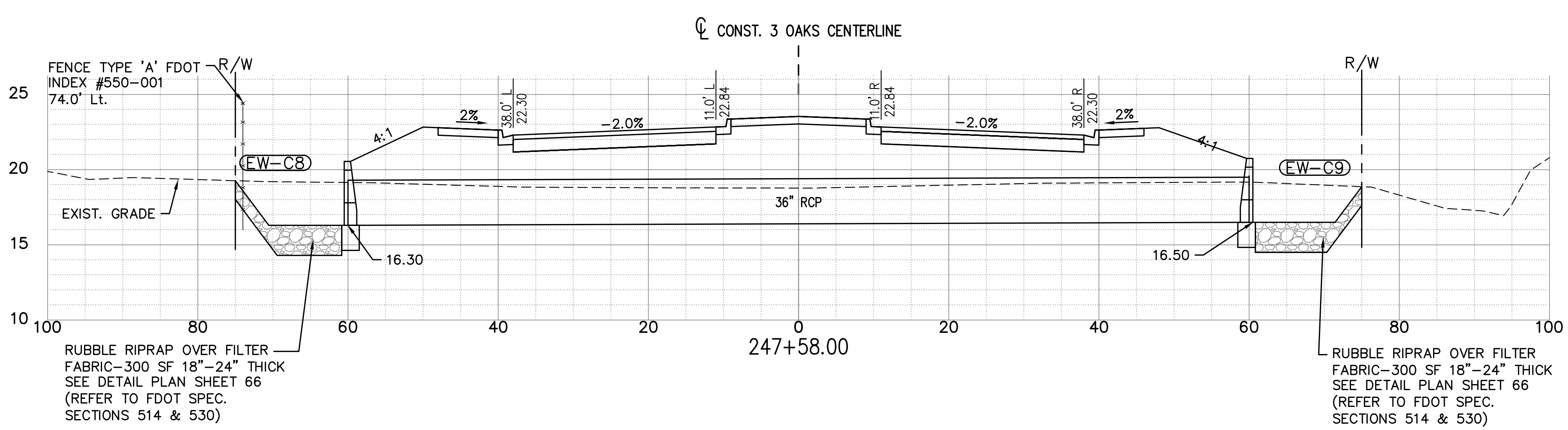


(S-C1)
CONST. MANHOLE TYPE 'J-8' <10'
FDOT Index No. 425-001
STA 251+80.00 (-64.00 L)
RIM=21.35
SUMP=12.00
INV IN(S)= 15.20 18" RCP
INV OUT (W)= 14.00 24" RCP



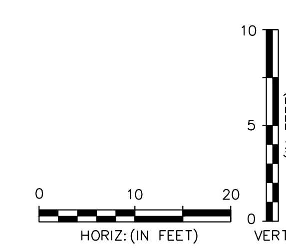
(S-C2)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 249+70.00 (-39.25 L)
RIM ELEV=22.04
LIP/EOP ELEV=21.66
SUMP=14.80
INV IN(E)= 16.80 18" RCP
INV OUT (N)= 16.80 18" RCP

(S-C3)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 249+70.00 (39.25 R)
RIM ELEV=22.04
LIP/EOP ELEV=21.66
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 (-60.00 L)
INV IN (E)= 16.30 36" RCP

(EW-C9)
CONST. 36" STRAIGHT CONC. ENDWALL
FDOT INDEX 430-030
STA 247+58.00 (60.00 R)
INV OUT= 16.50 (W)



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.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

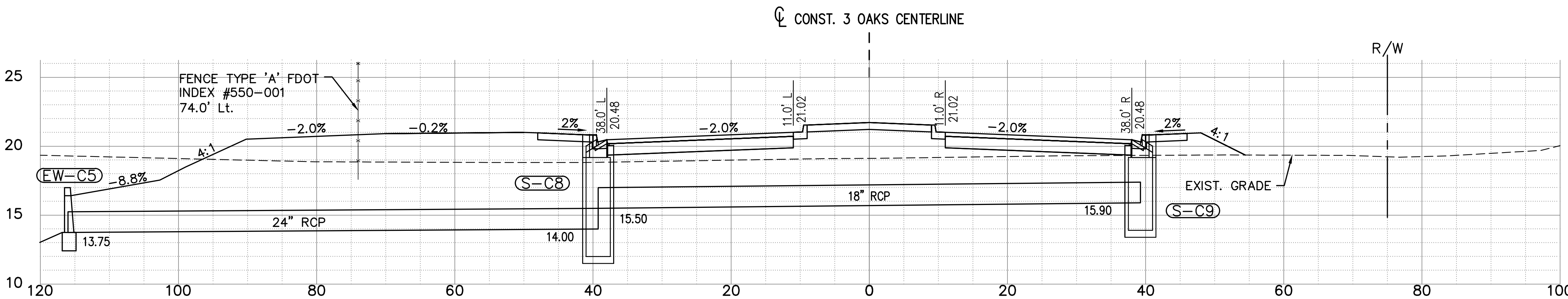
AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

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

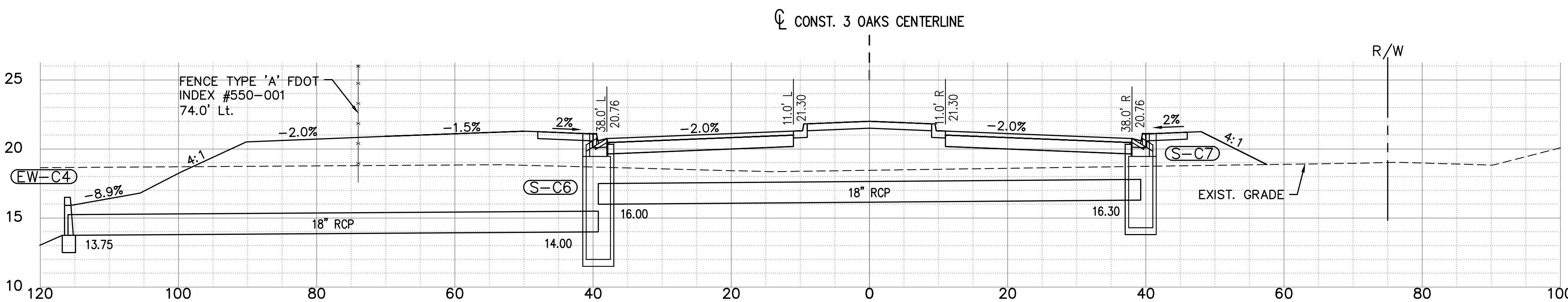
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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

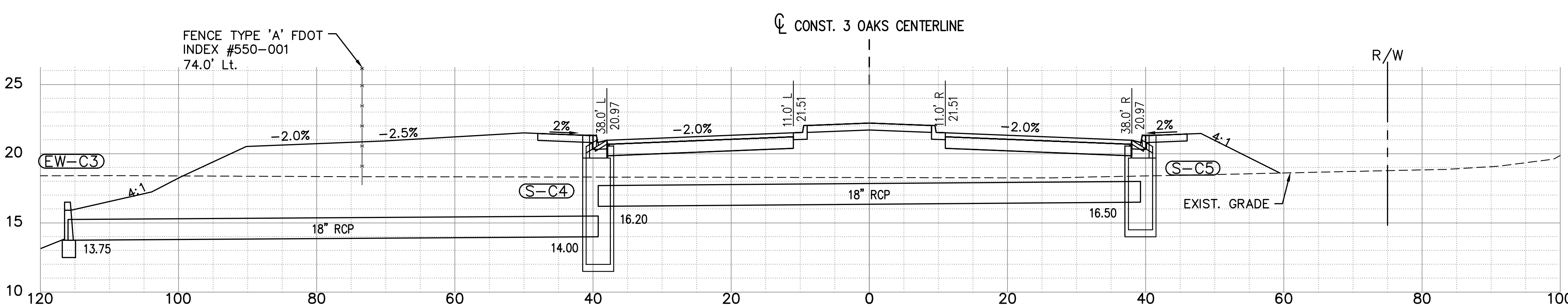
DRAINAGE STRUCTURES
THREE OAKS PKWY EXT.



265+05.00



259+90.00



254+60.00

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.

EW-C5
CONST. 24" STRAIGHT CONC. ENDWALL
FDOT INDEX 430-030
STA 265+05.00 (-116.00 L)
INV IN (E)= 13.75 24" RCP

S-C8
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 265+05.00 (-39.25 L)
RIM ELEV=20.85
LIP/EOP ELEV=20.48
SUMP=12.00
INV IN(E)= 15.50 18" RCP
INV OUT (W)= 14.00 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=20.85
LIP/EOP ELEV=20.48
SUMP=13.90
INV OUT (W)= 15.90 18" RCP

EW-C4
CONST. 18" STRAIGHT CONC. ENDWALL
FDOT INDEX 430-030
STA 259+90.00 (-116.00 L)
INV IN (E)= 13.75 18" RCP

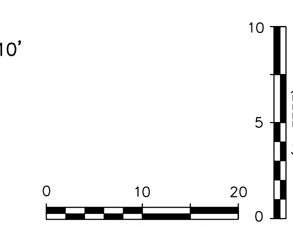
S-C6
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 259+90.00 (-39.25 L)
RIM ELEV=21.14
LIP/EOP ELEV=20.76
SUMP=12.00
INV IN(E)= 16.00 18" RCP
INV OUT (W)= 14.00 18" RCP

S-C7
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 259+90.00 (39.25 R)
RIM ELEV=21.14
LIP/EOP ELEV=20.76
SUMP=14.30
INV OUT (W)= 16.30 18" RCP

EW-C3
CONST. 18" STRAIGHT CONC. ENDWALL
FDOT INDEX 430-030
STA 254+60.00 (-116.00 L)
INV IN (E)= 13.75 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=21.35
LIP/EOP ELEV=20.97
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=21.35
LIP/EOP ELEV=20.97
SUMP=14.50
INV OUT (W)= 16.50 18" RCP



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\DRNG-STR_X-SECT.dwg, 53 DRAINAGE STRUCTURES, 6/16/2020 11:49:52 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
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

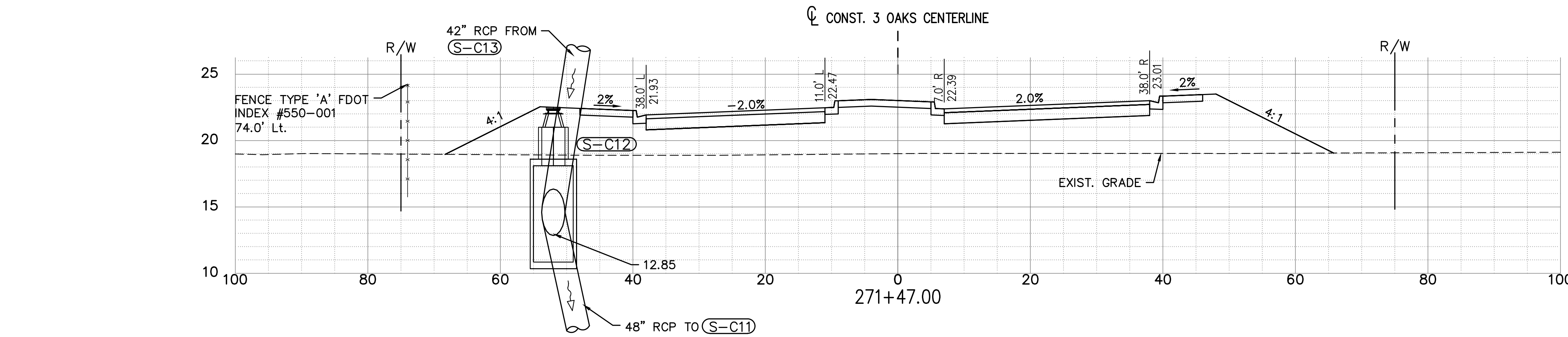
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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

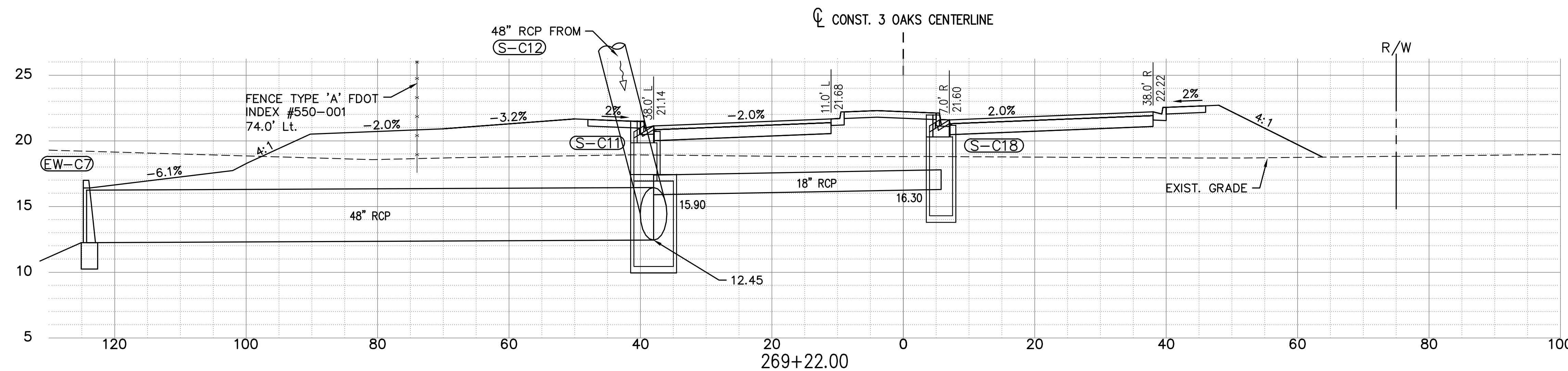
DRAINAGE STRUCTURES
THREE OAKS PKWY EXT.

SHEET
53 of 132

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.



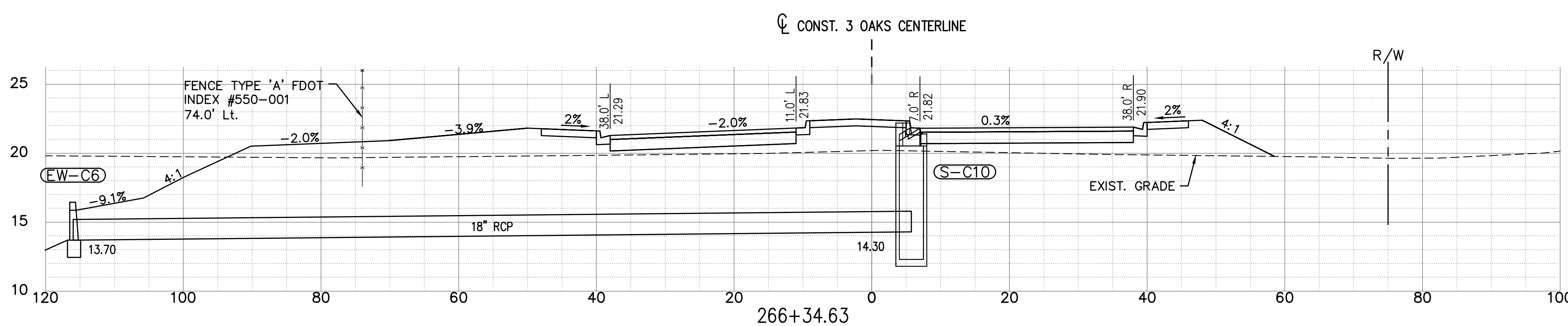
(S-C12)
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 271+47.00 (-52.00 L)
RIM=22.51
SUMP=10.85
INV IN(NW)= 12.85 42" RCP
INV OUT (SE)= 12.85 48" RCP



(EW-C7)
CONSTRUCT 48" CONC. ENDWALL
FDOT INDEX 430-030
STA 269+22.00 (-124.27 L)
INV IN= 12.25 (E)

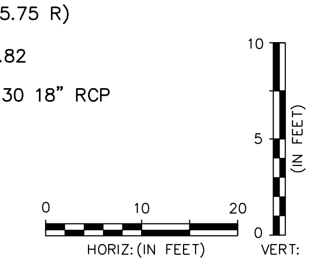
(S-C11)
CONST. CURB INLET TYPE 'J-6' >10'
FDOT Index No. 425-021
STA 269+22.00 (-39.25 L)
RIM ELEV=21.52
LIP/EOP ELEV=21.14
SUMP=10.45
INV IN(NW)= 12.45 48" RCP
INV IN(E)= 15.90 18" RCP
INV OUT (W)= 12.45 48" RCP

(S-C18)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 269+22.00 (5.75 R)
RIM ELEV=21.98
LIP/EOP ELEV=21.60
SUMP=14.30
INV OUT (W)= 16.30 18" RCP



(EW-C6)
CONST. 18" STRAIGHT CONC. ENDWALL
FDOT INDEX 430-030
STA 266+34.63 (-116.00 L)
INV IN (E)= 13.70 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=22.19
LIP/EOP ELEV=21.82
SUMP=12.30
INV OUT (W)= 14.30 18" RCP



DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

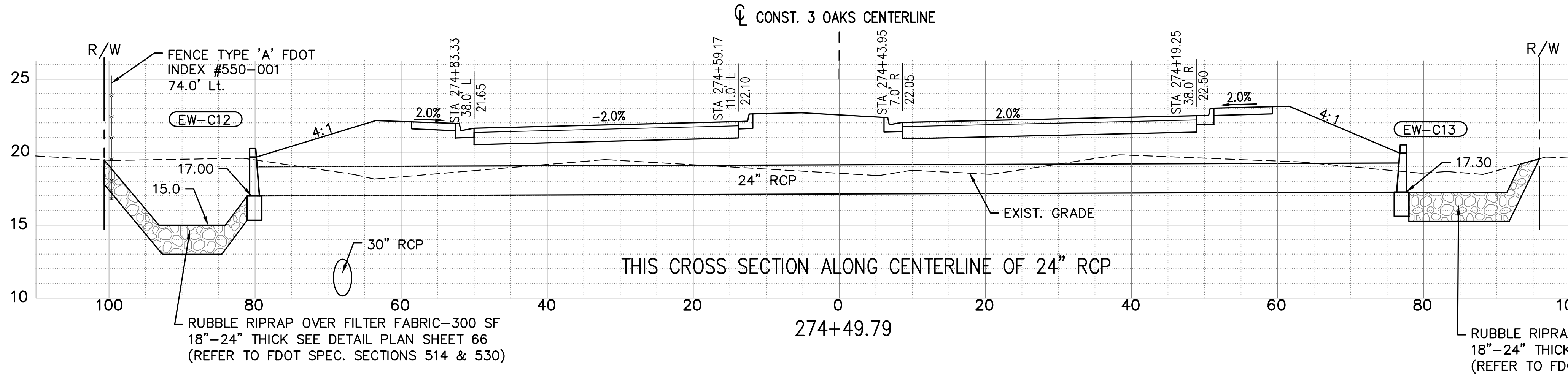
AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

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

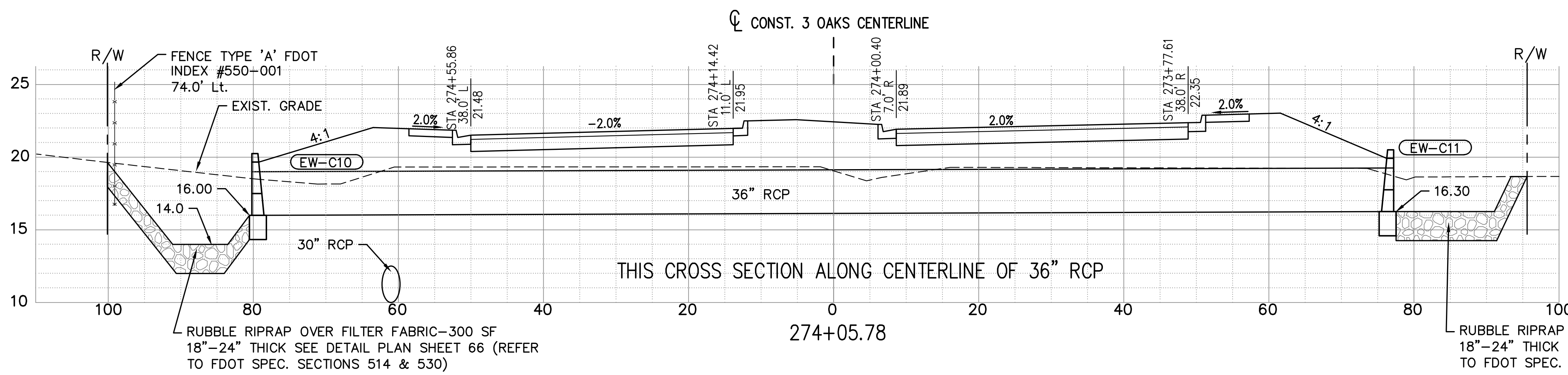
DRAINAGE STRUCTURES
THREE OAKS PKWY EXT.



EW-C12
CONST. 24" STRAIGHT CONC. ENDWALL
FDOT INDEX 430-030
STA 275+04.32 (-60.00 L)
INV IN (E)= 17.00 24" RCP

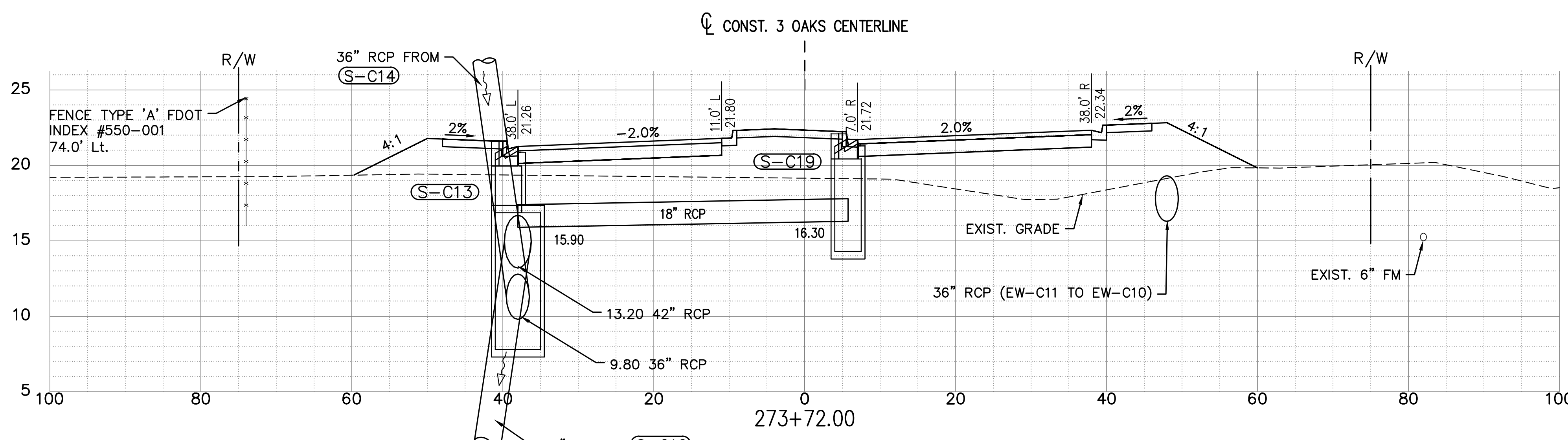
EW-C13
CONST. 24" STRAIGHT CONC. ENDWALL
FDOT INDEX 430-030
STA 274+02.77 (60.00 R)
INV OUT= 17.30 (W)

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.



EW-C10
CONST. 36" STRAIGHT CONC. ENDWALL
FDOT INDEX 430-030
STA 274+55.86 (-60.00 L)
INV IN (E)= 16.00 36" RCP

EW-C11
CONST. 36" STRAIGHT CONC. ENDWALL
FDOT INDEX 430-030
STA 273+62.34 (60.00 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=21.63
LIP/EOP ELEV=21.26
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=22.09
LIP/EOP ELEV=21.72
SUMP=14.30
INV OUT (SW)= 16.30 18" RCP

HORIZ: (IN FEET) 0 10 20
VERT: (IN FEET) 0 5 10

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\DRNG-STR_X-SECT.dwg, 55 DRAINAGE STRUCTURES, 6/16/2020 11:50:52 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

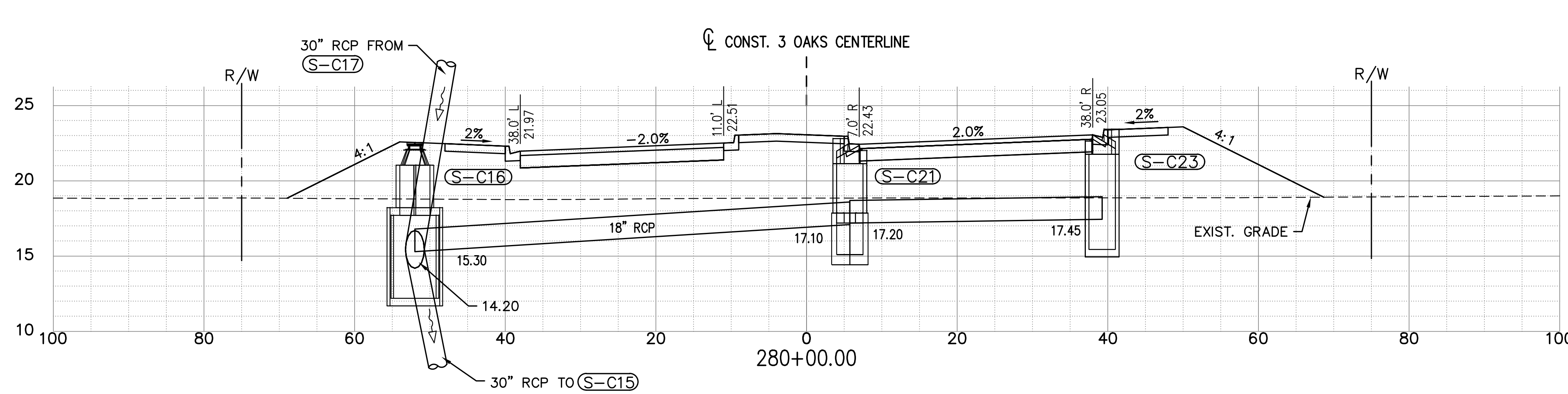
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

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.

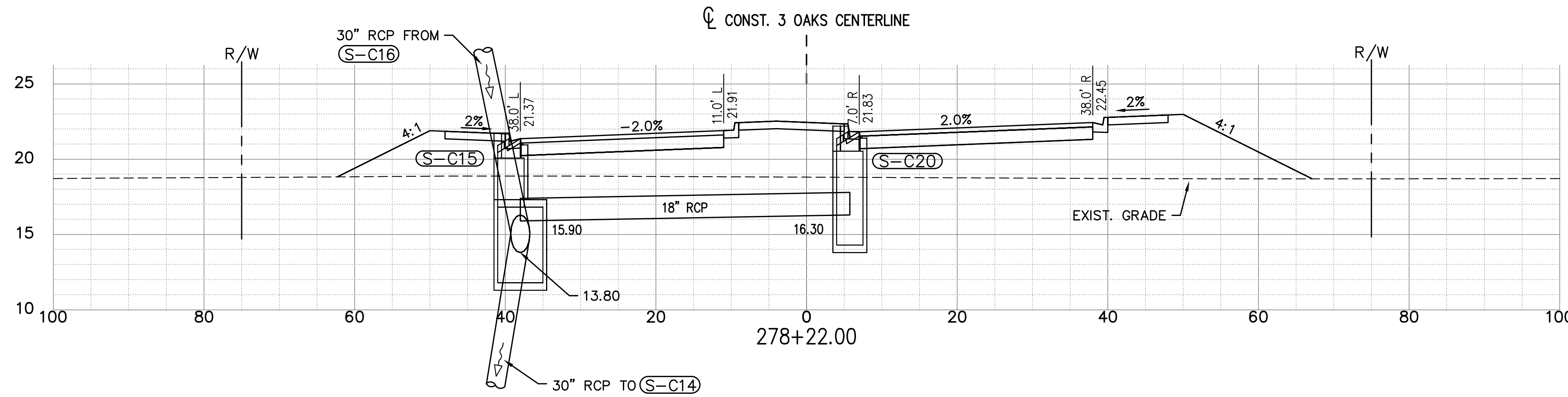
SHEET
55 of 132



(S-C16)
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 280+00.00 (-52.00 L)
RIM ELEV=22.55
LIP/EOP ELEV=22.17
SUMP=12.20
INV IN(W)= 14.20 30" RCP
INV IN(N)= 15.30 18" RCP
INV OUT (E)= 14.20 30" RCP

(S-C21)
CONST. CURB INLET TYPE 'P-5' <10'
FDOT Index No. 425-021
STA 280+00.00 (5.75 R)
RIM ELEV=22.81
LIP/EOP ELEV=22.43
SUMP=15.10
INV IN(N)= 17.20 18" RCP
INV OUT (S)= 17.10 18" RCP

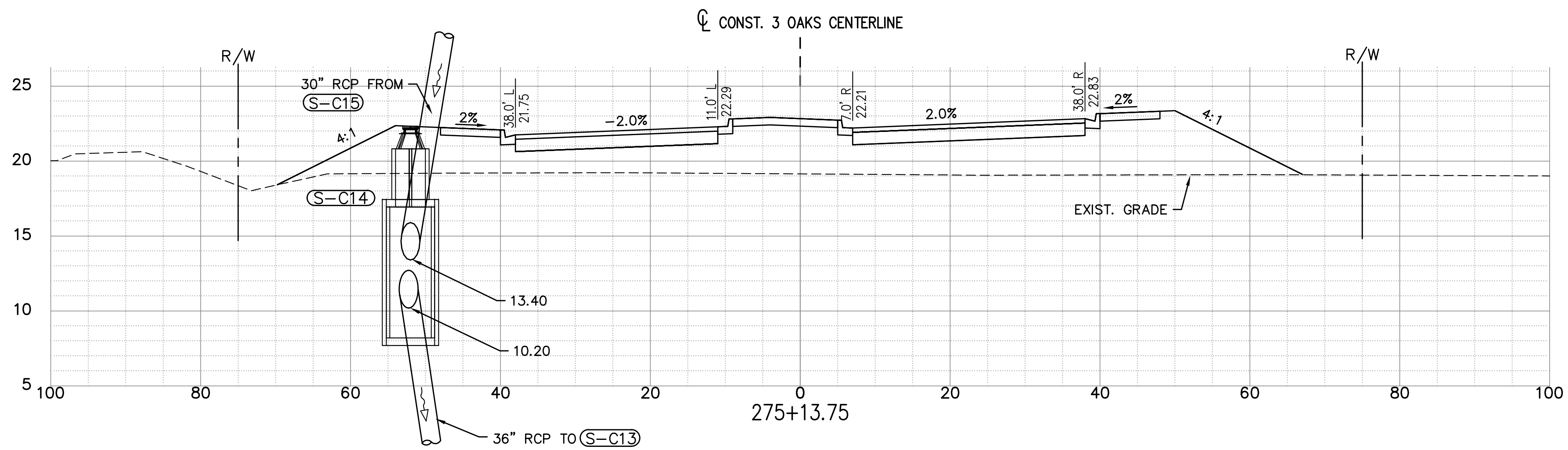
(S-C23)
CONST. CURB INLET TYPE 'P-5' <10'
FDOT Index No. 425-021
STA 280+00.00 (39.25 R)
RIM ELEV=23.43
LIP/EOP ELEV=23.05
SUMP=15.45
INV OUT (S)= 17.45 18" RCP



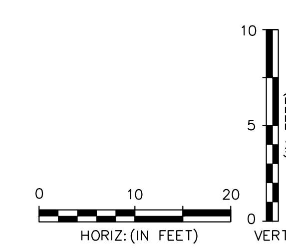
(S-C15)
CONST. CURB INLET TYPE 'J-6' <10'
FDOT Index No. 425-021
STA 278+22.00 (-39.25 L)
RIM ELEV=21.74
LIP/EOP ELEV=21.37
SUMP=11.80
INV IN(W)= 13.80 30" RCP
INV IN(NE)= 15.90 18" RCP
INV OUT (SE)= 13.80 30" RCP

(S-C20)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 278+22.00 (5.75 R)
RIM ELEV=22.20
LIP/EOP ELEV=21.83
SUMP=14.30
INV OUT (SW)= 16.30 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.



(S-C14)
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 275+13.75 (-52.00 L)
RIM=22.33
SUMP=8.20
INV IN(NW)= 13.40 30" RCP
INV OUT (SE)= 10.20 36" RCP



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\DRNG-STR_X-SECT.dwg, 56 DRAINAGE STRUCTURES, 6/16/2020 11:51:18 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

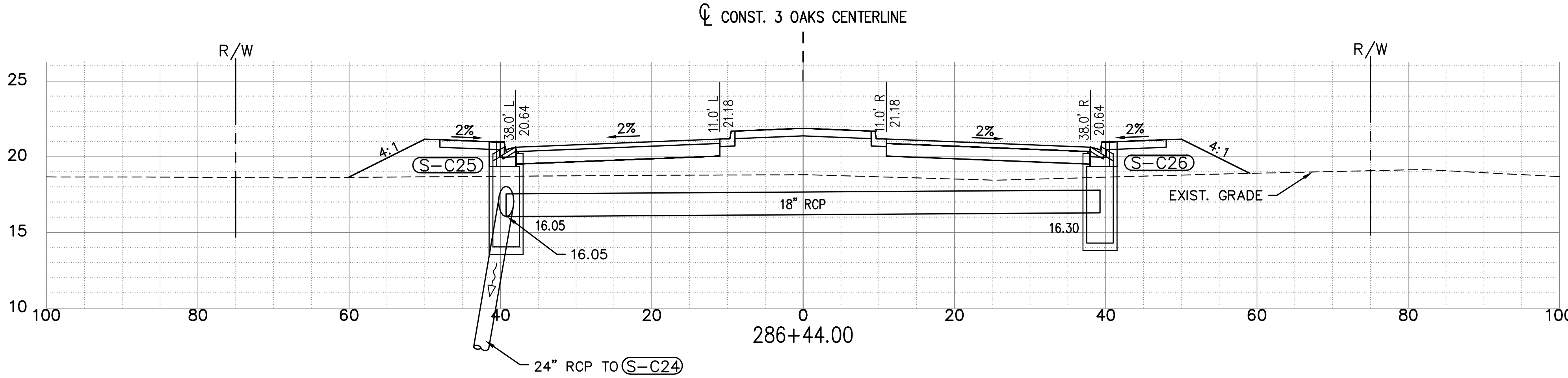
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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

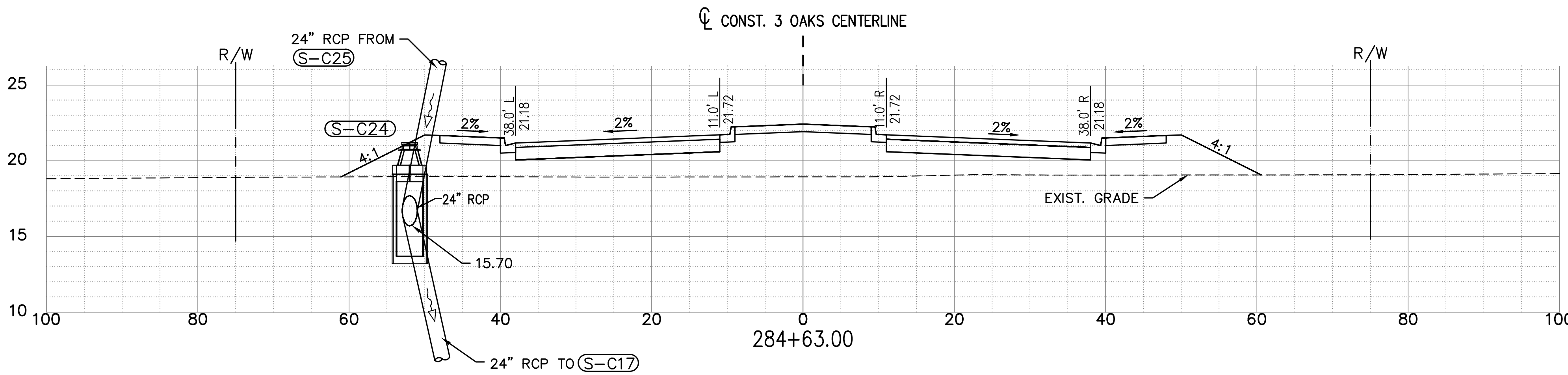
DRAINAGE STRUCTURES
THREE OAKS PKWY EXT.

SHEET
56 of 132

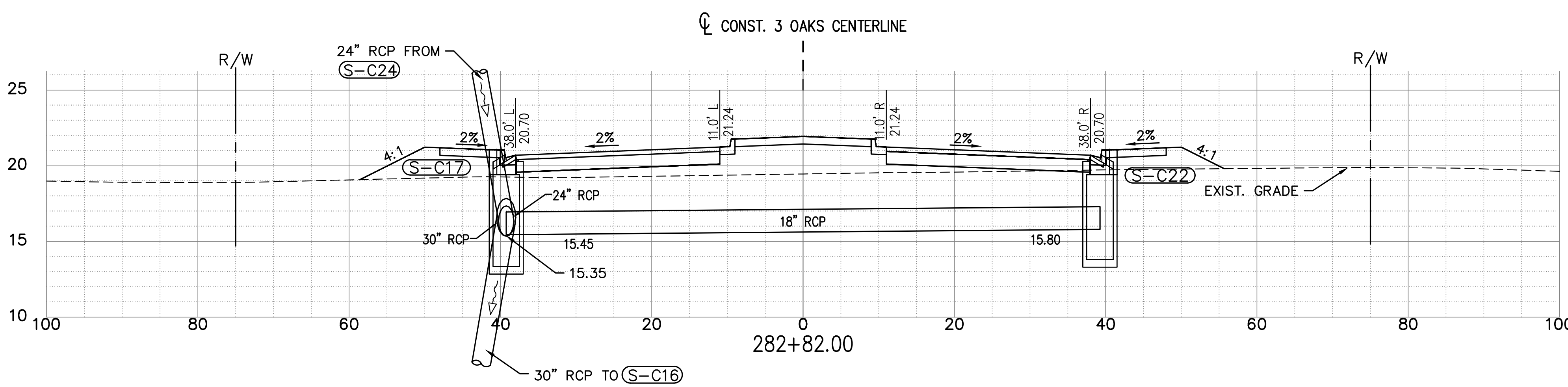


(S-C25)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 286+44.00 (-39.25 L)
RIM ELEV=21.02
LIP/EOP ELEV=20.64
SUMP=14.05
INV IN(N)= 16.05 18" RCP
INV OUT (E)= 16.05 24" RCP

(S-C26)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 286+44.00 (39.25 R)
RIM ELEV=21.02
LIP/EOP ELEV=20.64
SUMP=14.30
INV OUT (S)= 16.30 18" RCP

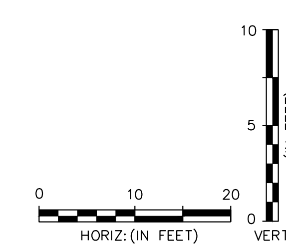


(S-C24)
CONST. MANHOLE TYPE 'P-8' <10'
FDOT Index No. 425-001
STA 284+63.00 (-52.00 L)
RIM=21.21
SUMP=13.70
INV IN(W)= 15.70 24" RCP
INV OUT (E)= 15.70 24" RCP



(S-C17)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 282+82.00 (-39.25 L)
RIM ELEV=21.08
LIP/EOP ELEV=20.70
SUMP=13.35
INV IN(N)= 15.45 18" 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=21.08
LIP/EOP ELEV=20.70
SUMP=13.80
INV OUT (S)= 15.80 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.

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\DRNG-STR_X-SECT.dwg, 57 DRAINAGE STRUCTURES, 6/16/2020 11:51:38 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

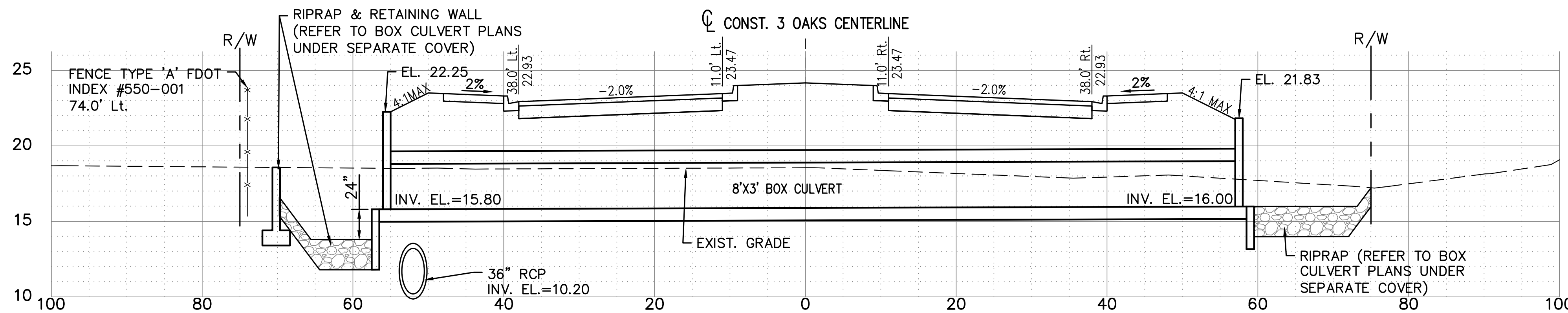
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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

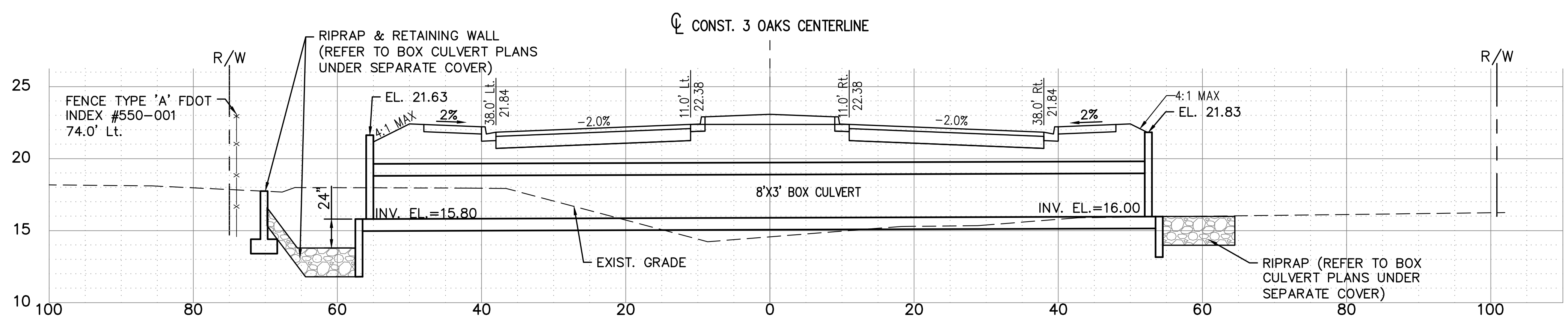
DRAINAGE STRUCTURES
THREE OAKS PKWY EXT.

SHEET 57 of 132

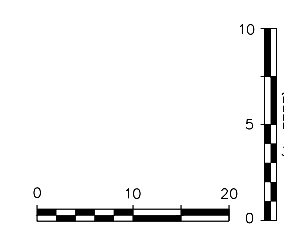
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN ON THIS SHEET REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.



231+48.00



208+48.00



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\BOX CULVERT-SEC.dwg, 58 SECTIONS AT BOX CULVERTS, 6/16/2020 11:51:50 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

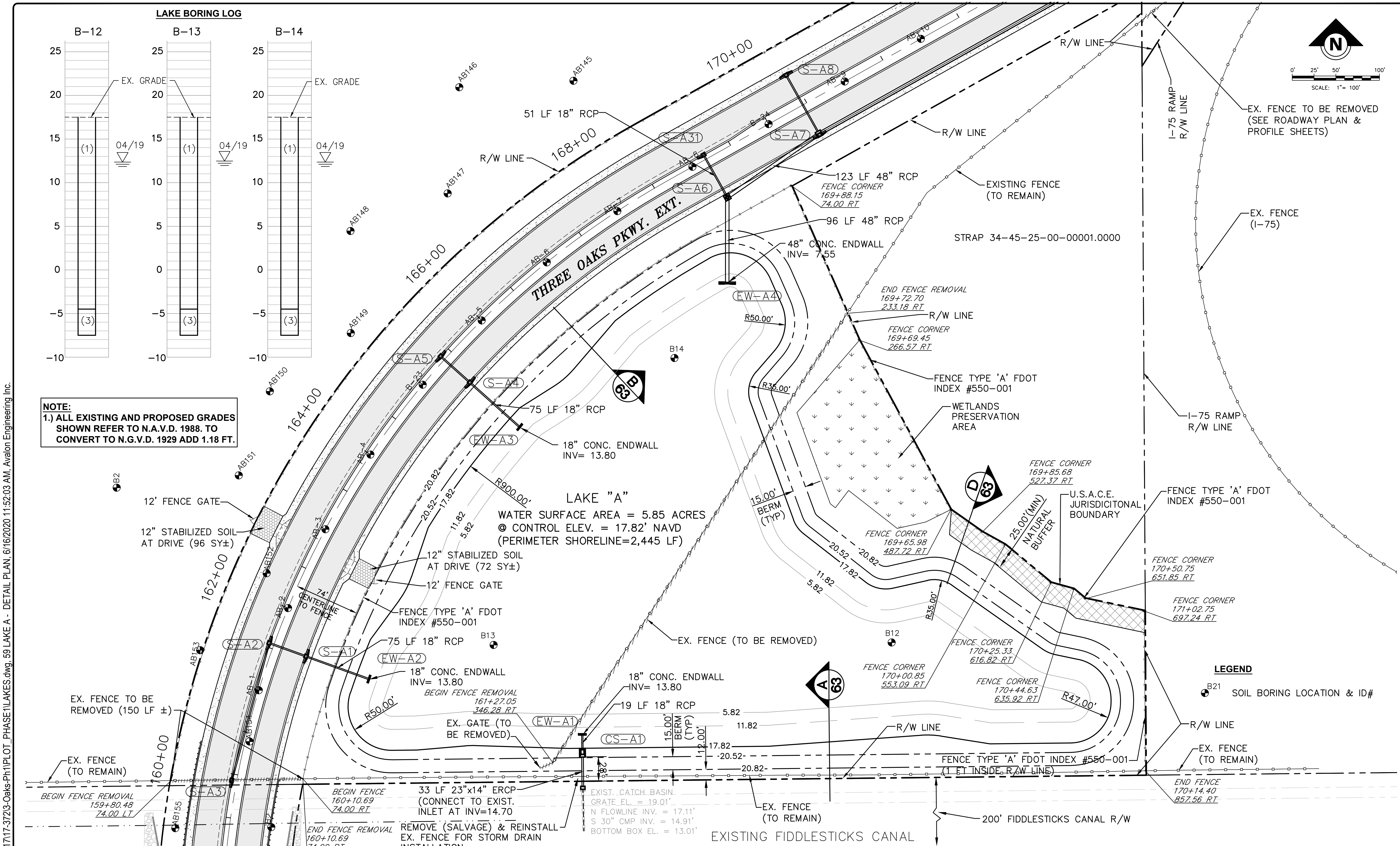
AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

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

SECTIONS AT BOX CULVERTS
THREE OAKS PKWY EXT.



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\LAKES.dwg, 59 LAKE A - DETAIL PLAN, 6/16/2020 11:52:03 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

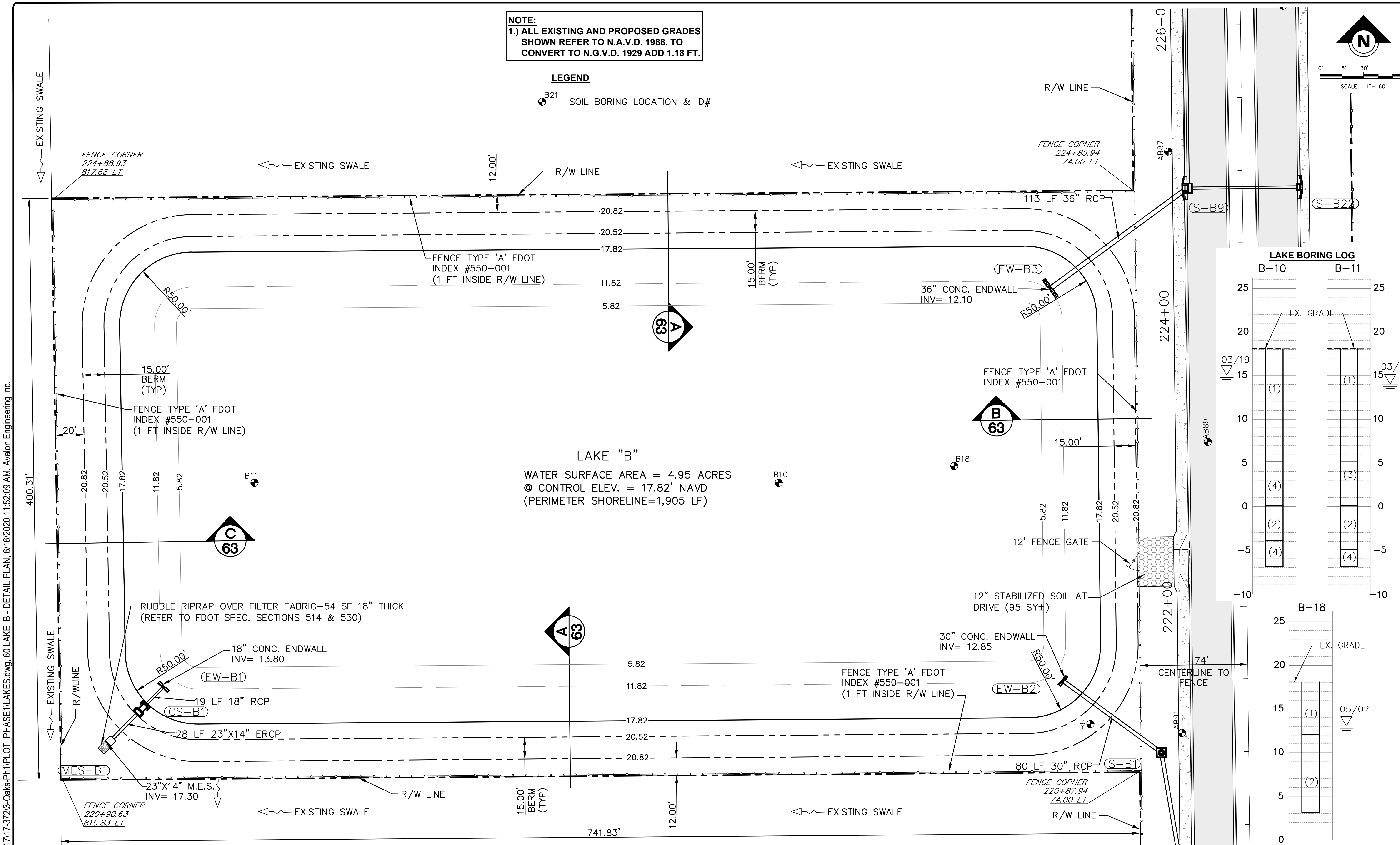
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

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 A - DETAIL PLAN
THREE OAKS PKWY EXT.

SHEET 59 of 132



DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

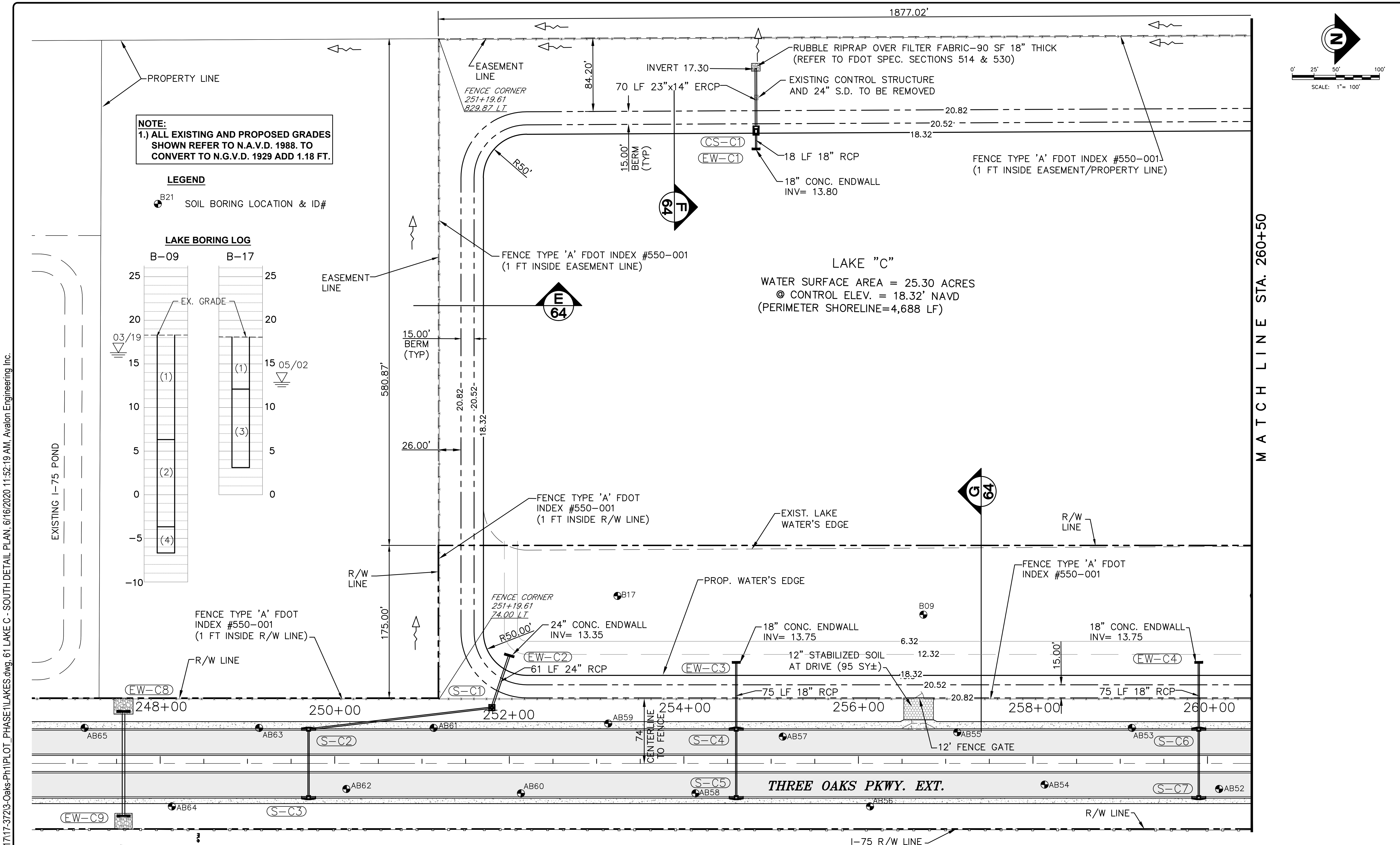
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

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 B - DETAIL PLAN
THREE OAKS PKWY EXT.

SHEET 60 of 132



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\LAKES.dwg, 61 LAKE C - SOUTH DETAIL PLAN, 6/16/2020 11:52:19 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

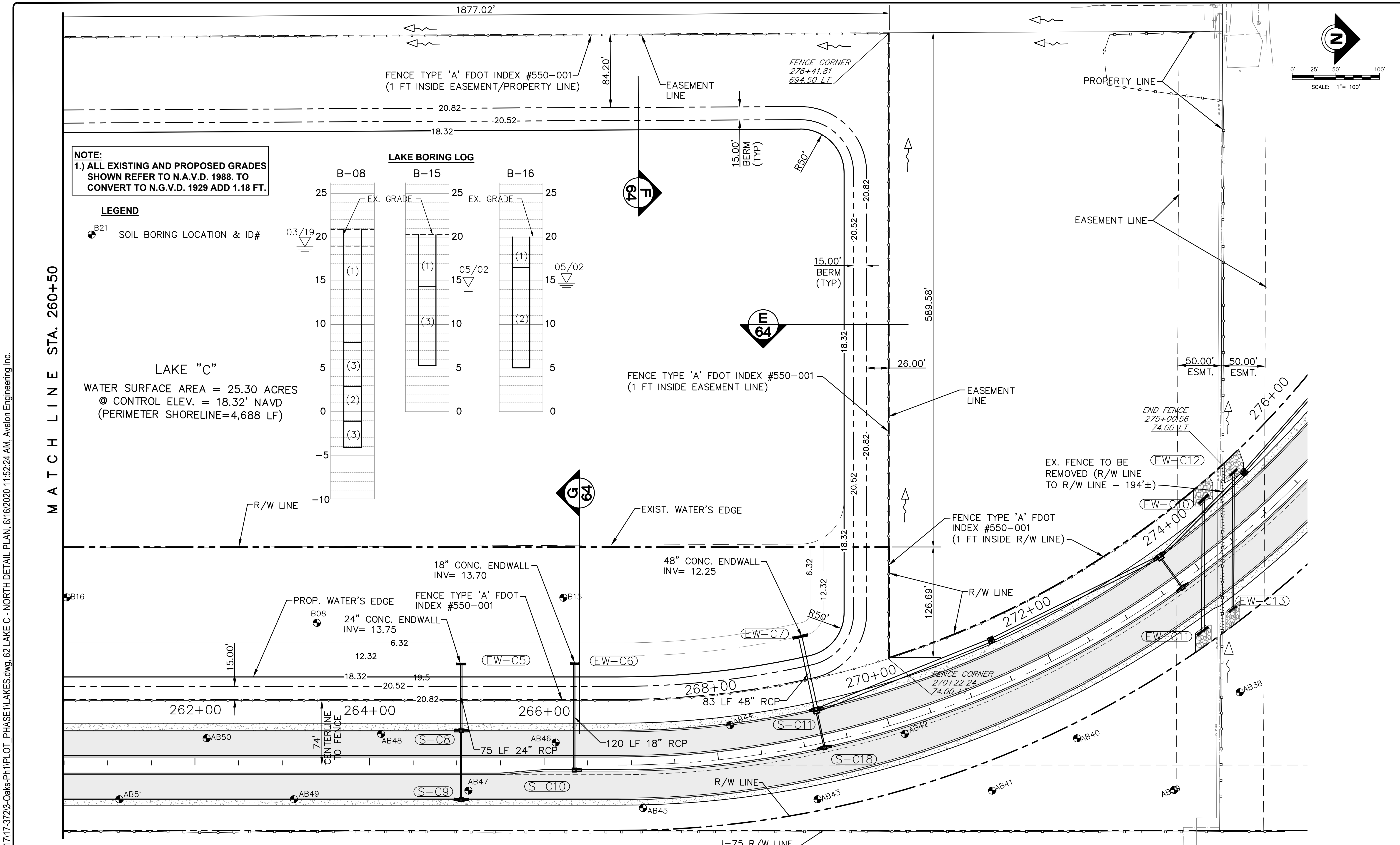
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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

LAKE C - SOUTH DETAIL PLAN
THREE OAKS PKWY EXT.

SHEET
61 of 132



DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

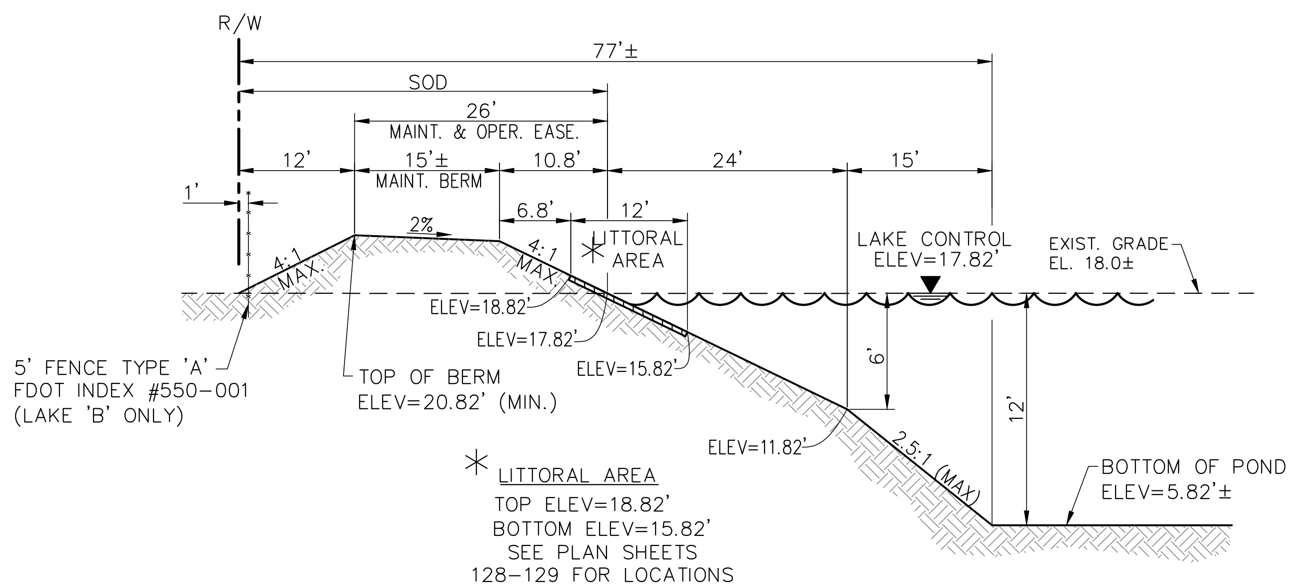
AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

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

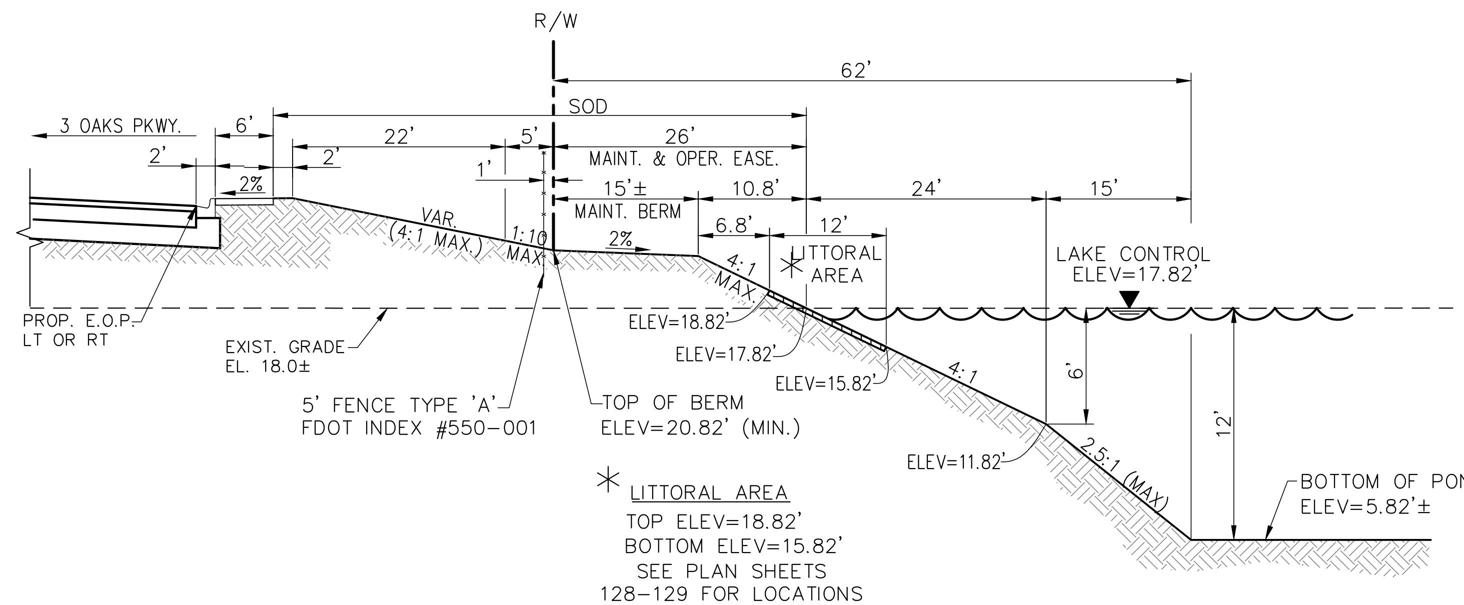
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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

LAKE C - NORTH DETAIL PLAN
THREE OAKS PKWY EXT.

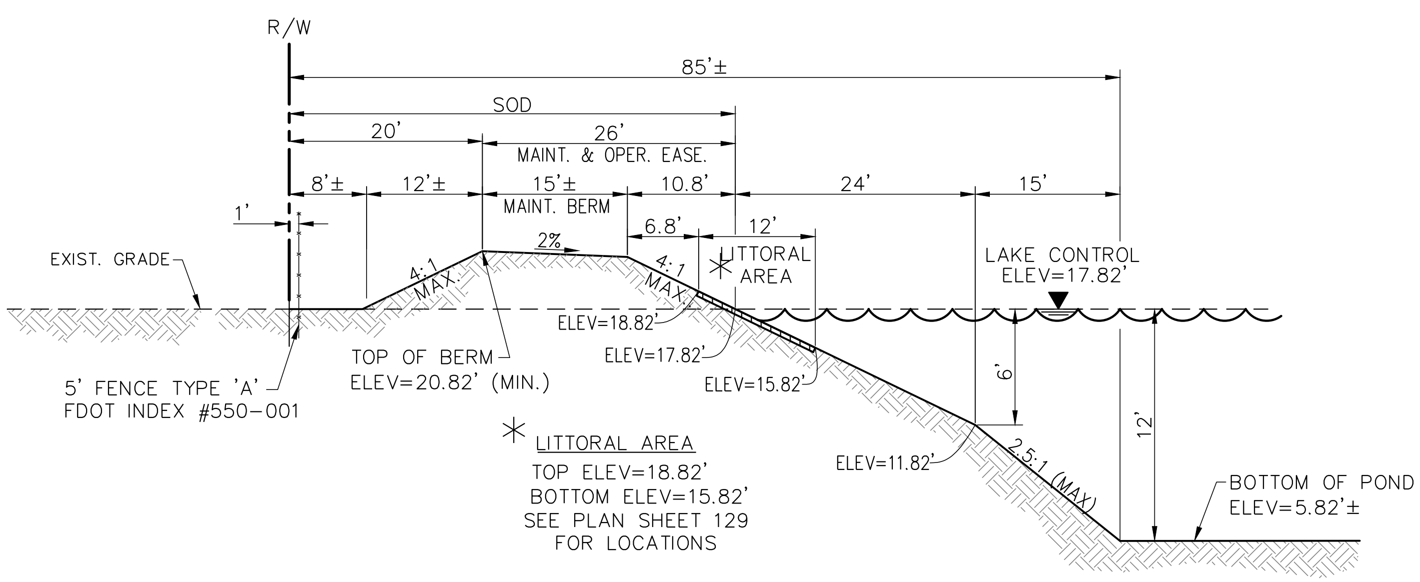


A 63 **TYPICAL LAKE PERIMETER BERM DETAIL**
(DETAIL PLAN SHEETS 59, 60, 128 & 129)
N.T.S.

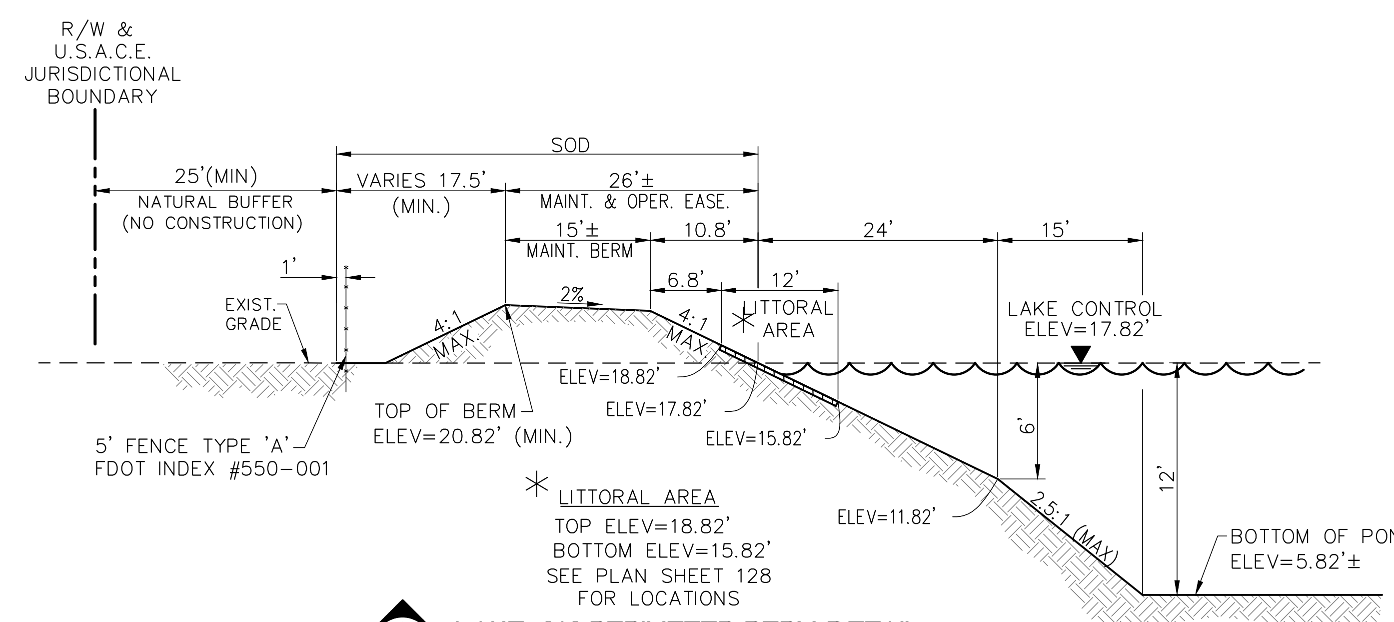


B 63 **TYPICAL LAKE AND ROADWAY SIDE SLOPE DETAIL**
(DETAIL PLAN SHEETS 59, 60, 128 & 129)
N.T.S.

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

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\LAKE-SEC.dwg, 63 LAKE SECTIONS, 6/16/2020 11:52:30 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

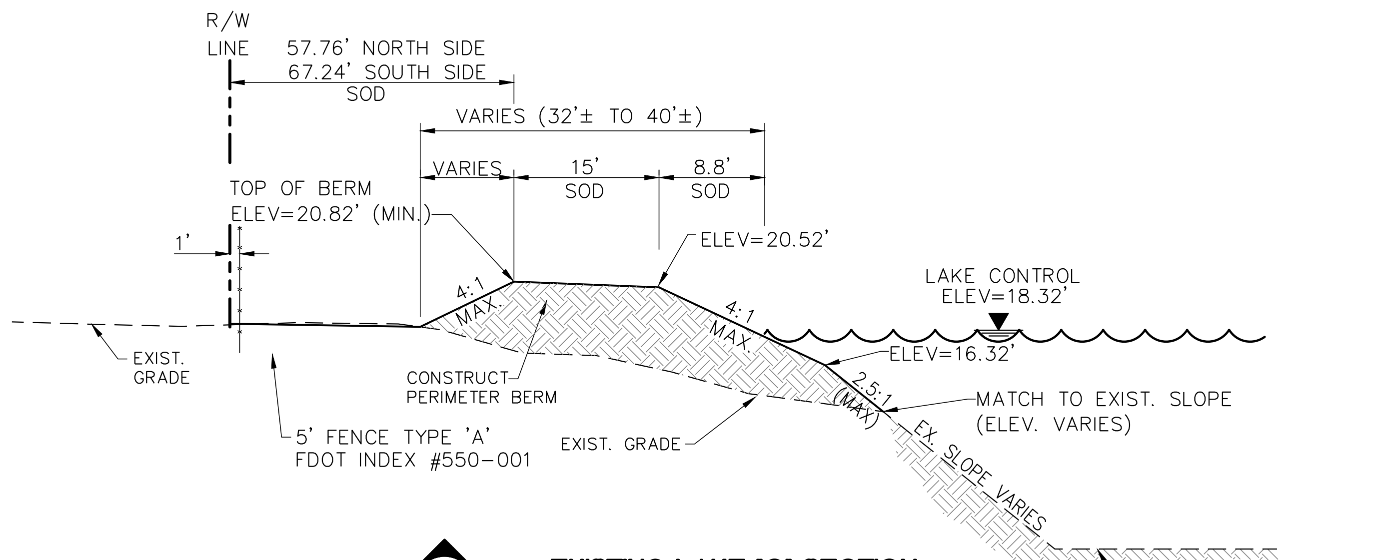
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

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 SECTIONS
THREE OAKS PKWY EXT.

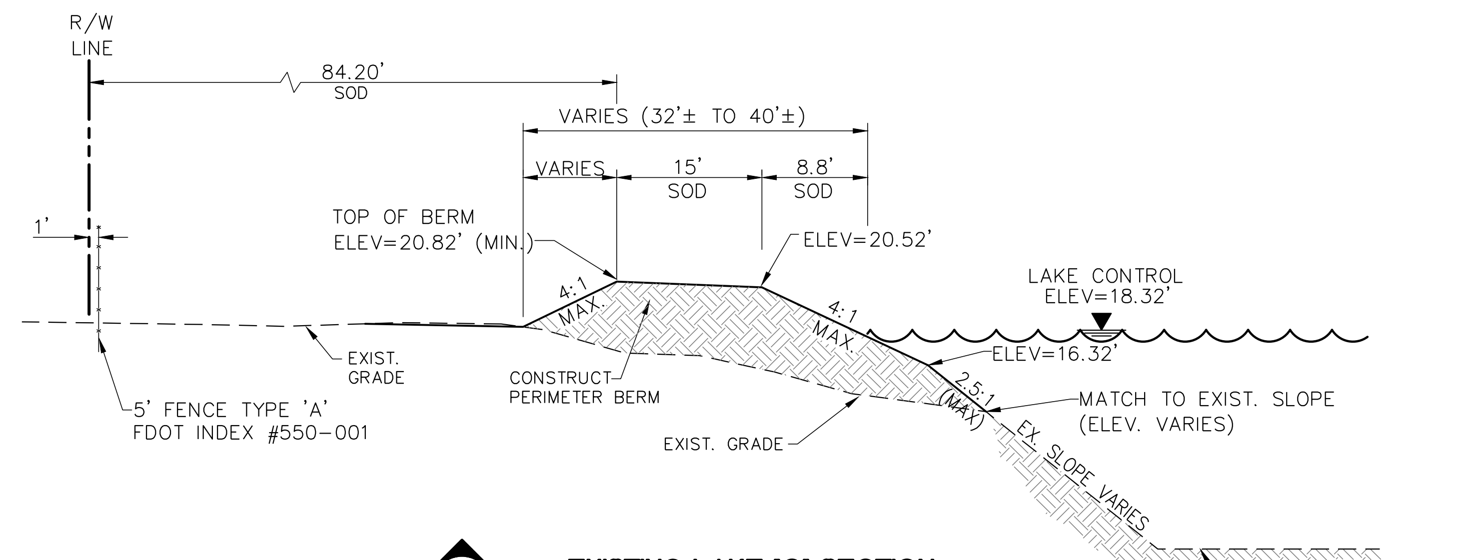
SHEET



E
64

EXISTING LAKE 'C' SECTION W/PROP. PERIMETER BERM DETAIL

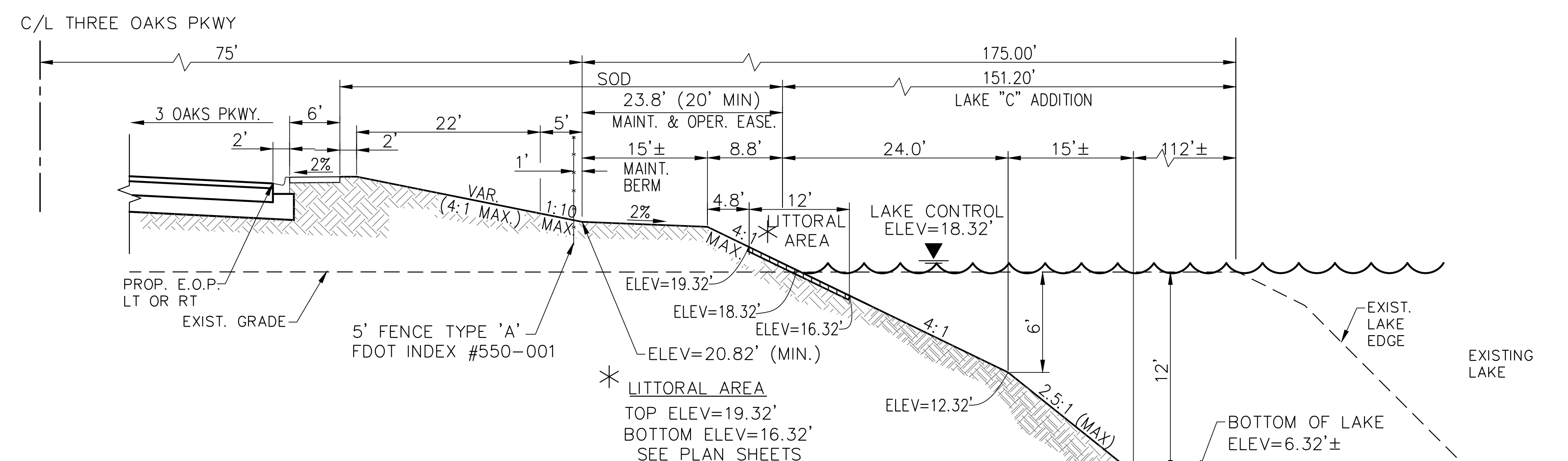
(DETAIL PLAN SHEETS 61, 62, 130 & 131)
N.T.S.



F
64

EXISTING LAKE 'C' SECTION W/PROP. PERIMETER BERM DETAIL

(DETAIL PLAN SHEETS 61, 62, 130 & 131)
N.T.S.



G
64

PROPOSED LAKE 'C' ADDITION AND ROADWAY SIDE SLOPE DETAIL

(DETAIL PLAN SHEET 61, 62, 130 & 131)
N.T.S.

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.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

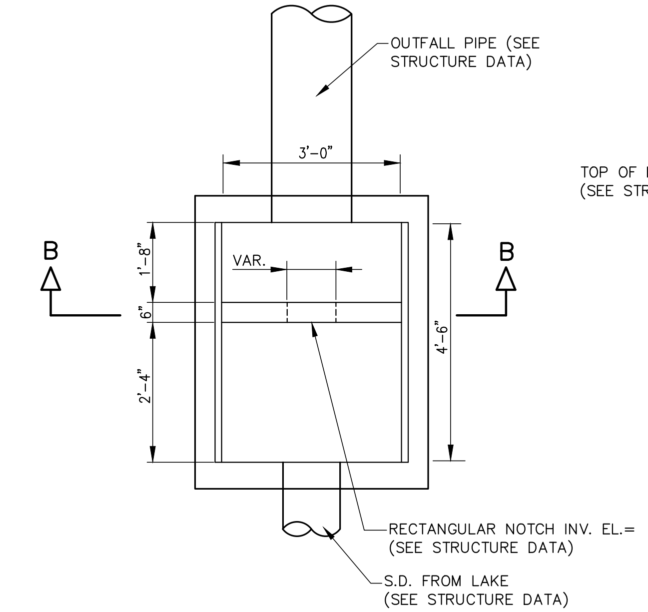
AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

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

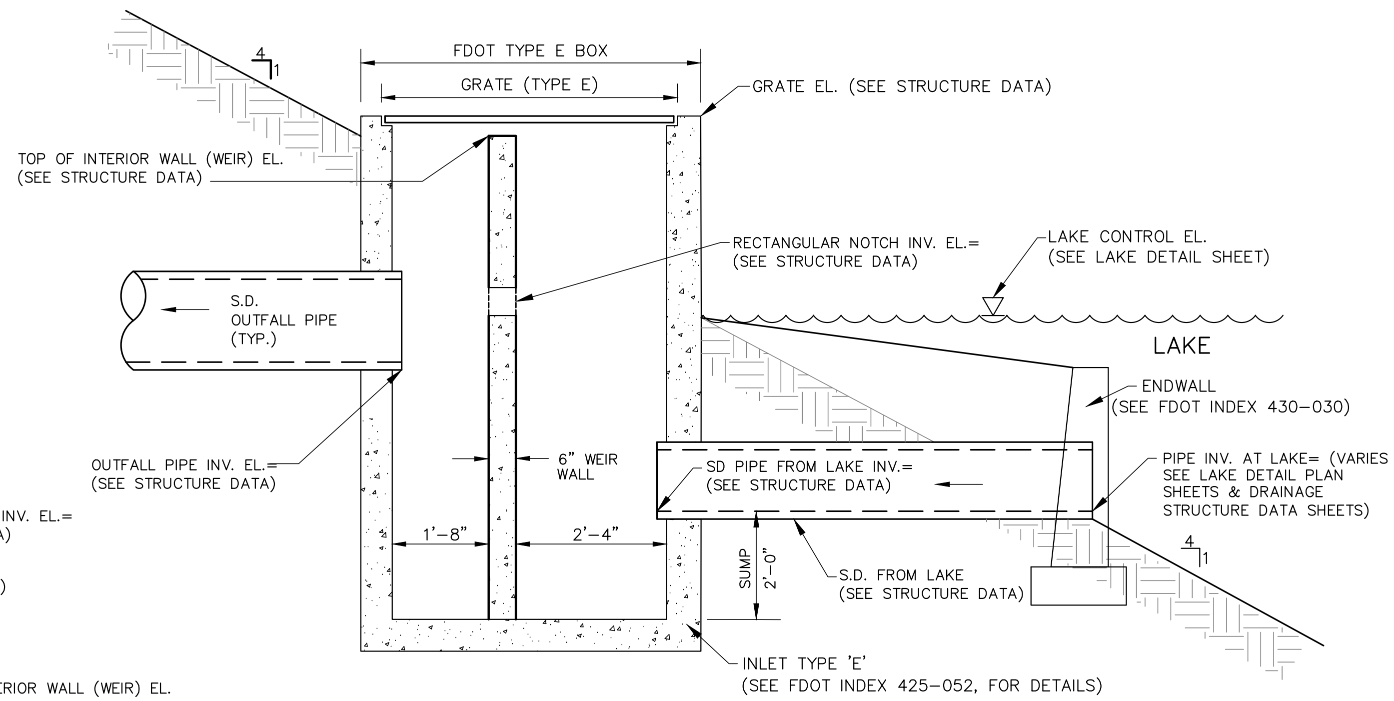
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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

LAKE SECTIONS
THREE OAKS PKWY EXT.

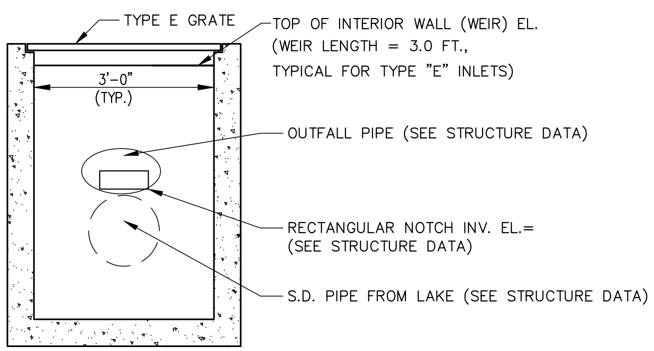


PLAN VIEW



TYPICAL CROSS SECTION AT LAKE

N.T.S.



SECTION BB

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

(LAKE DETAIL PLAN DETAIL SHEETS 59–62)

CS–A1

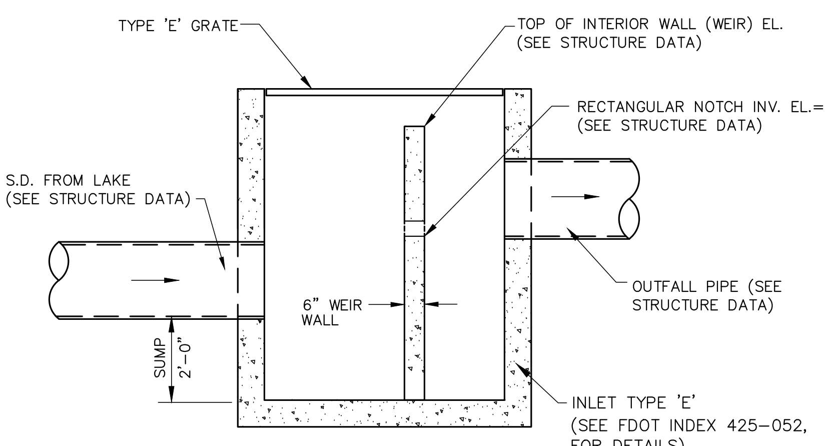
STA: 161+62.69 (374.34'R)
CONST. INLET TYPE "E" MODIFIED
FDOT INDEX #425–052
GRATE = 20.87
TOP OF WALL (WEIR) EL. = 20.37
RECT. NOTCH 0.25'H X 0.88'W
RECT. NOTCH INVERT EL. = 17.82
SUMP = 12.30
INV IN (N)=14.30 (PROP 18" RCP)
INV OUT (S)=14.80 (PROP 23"x14" ERCP)

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)

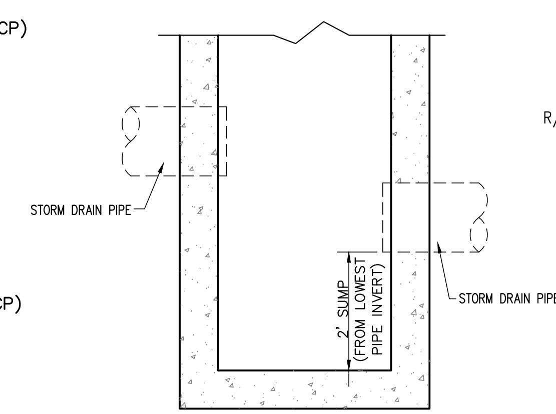


SECTION AA

STRUCTURE BOTTOM FDOT TYPE E

CONTROL STRUCTURE DETAIL

N.T.S.

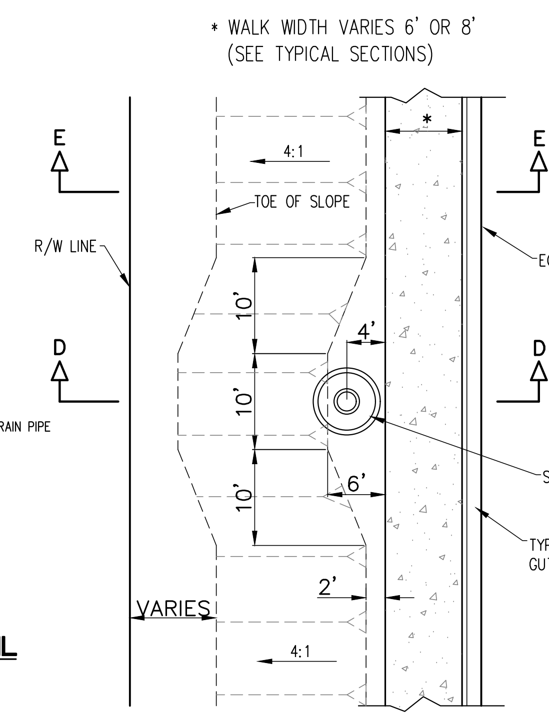


SECTION

NOTE: ALL STORM DRAIN STRUCTURES SHALL HAVE A 2' SUMP UNLESS OTHERWISE SHOWN.

STORM STRUCTURE SUMP DETAIL

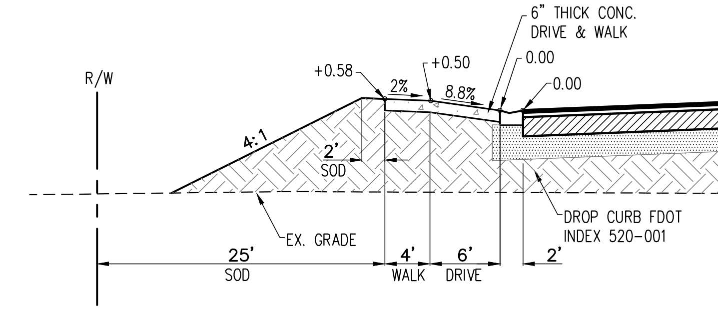
N.T.S.



PLAN VIEW

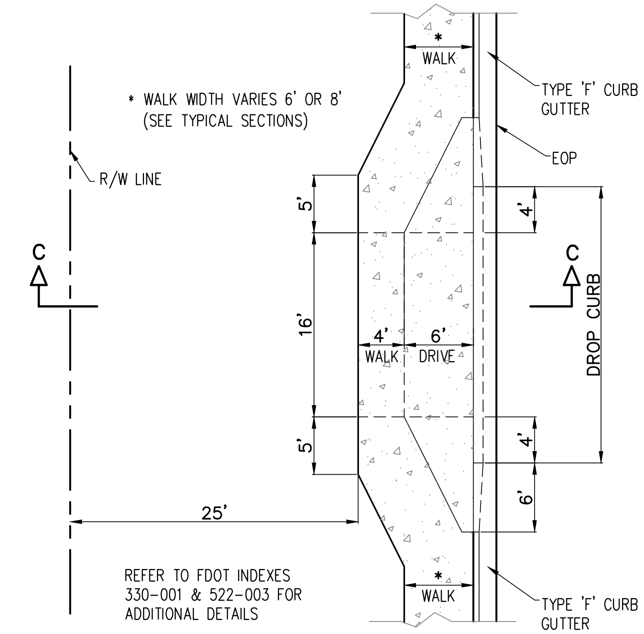
N.T.S.

GRADING DETAIL AT STORM MANHOLE



SECTION C-C

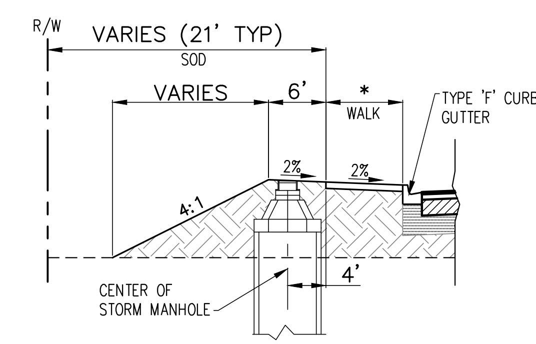
N.T.S.



PLAN VIEW

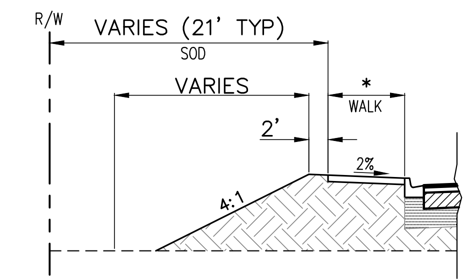
N.T.S.

MAINTENANCE ACCESS DRIVE



SECTION D-D

N.T.S.



SECTION E-E

N.T.S.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

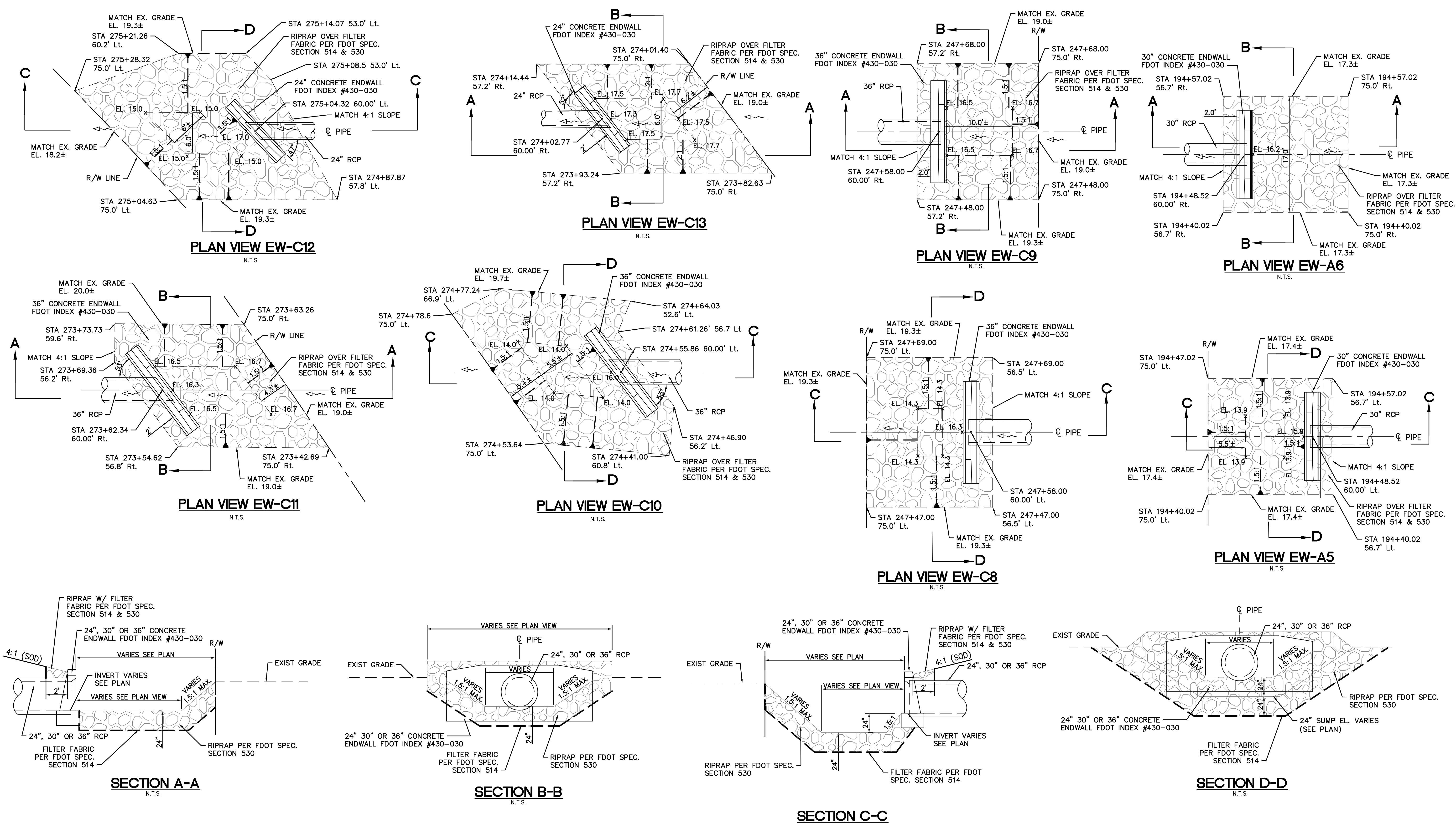
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

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-Ph1\PLOT_PHASE1\3 OAKS DRAINAGE DETAILS.dwg, 66 ENDWALL, 6/16/2020 11:52:45 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
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

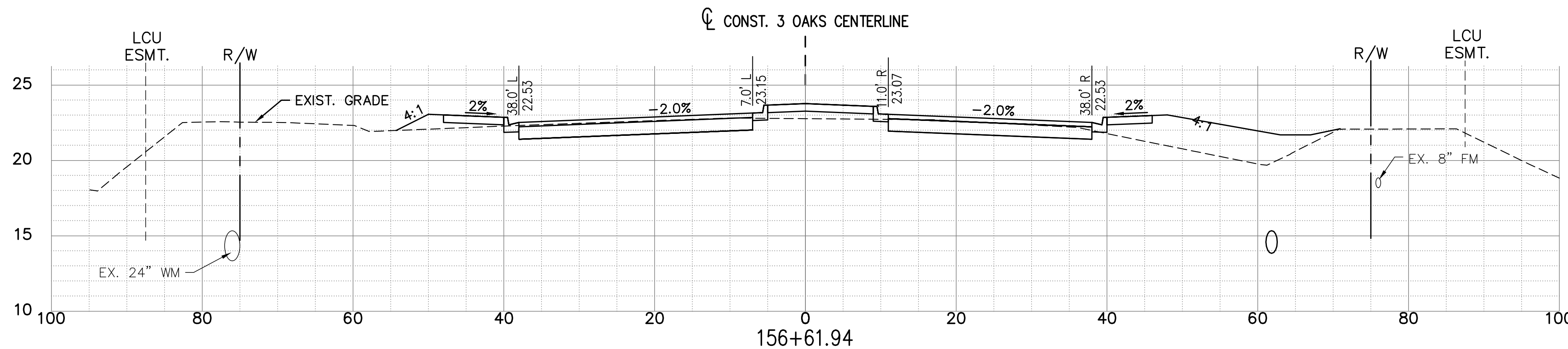
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

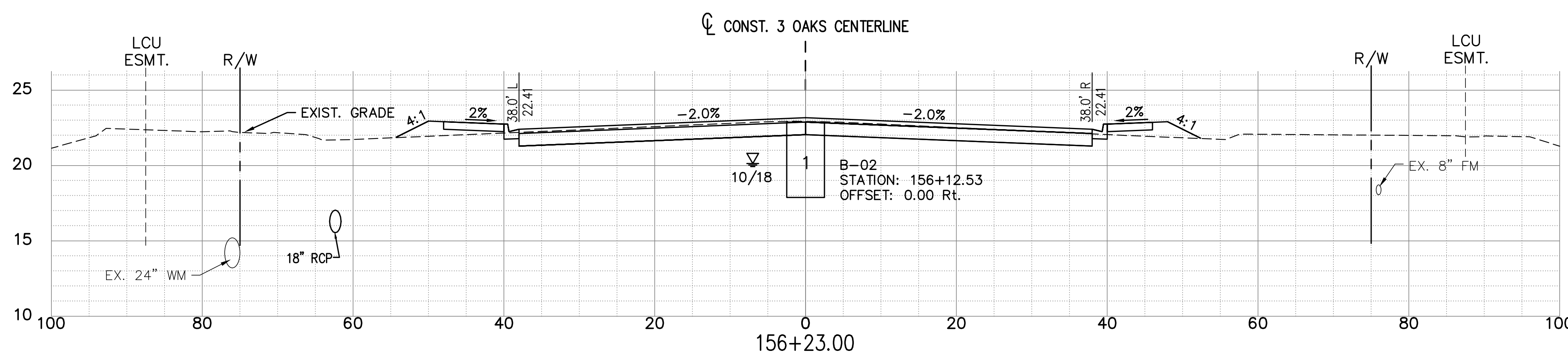
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ENDWALL
RIPRAP DETAILS

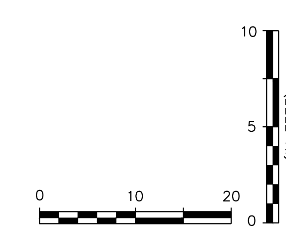
SHEET
66 of 132

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.

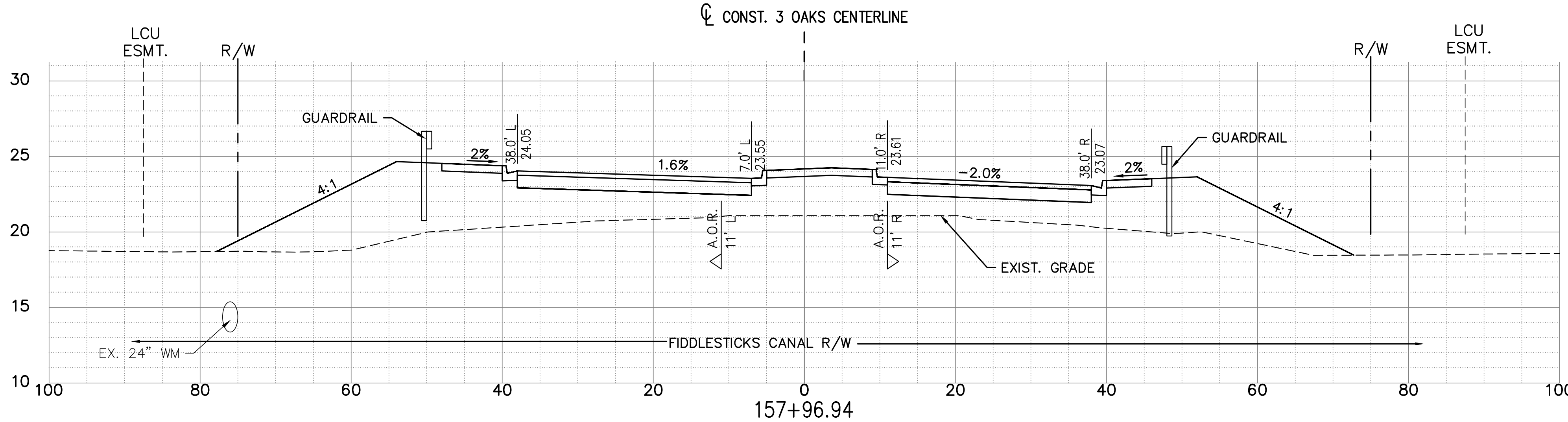


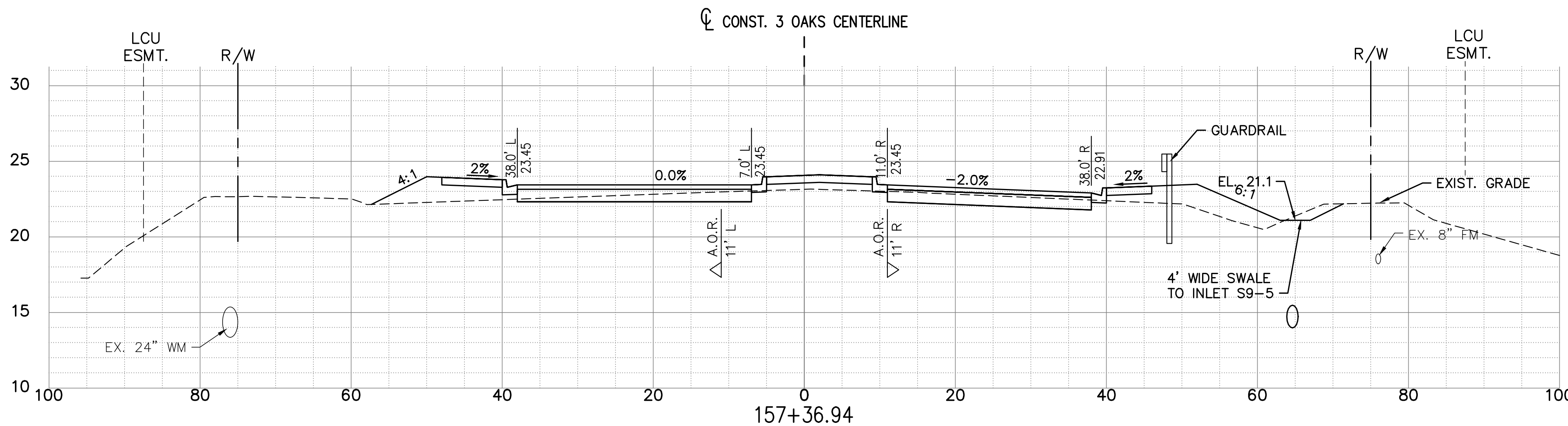


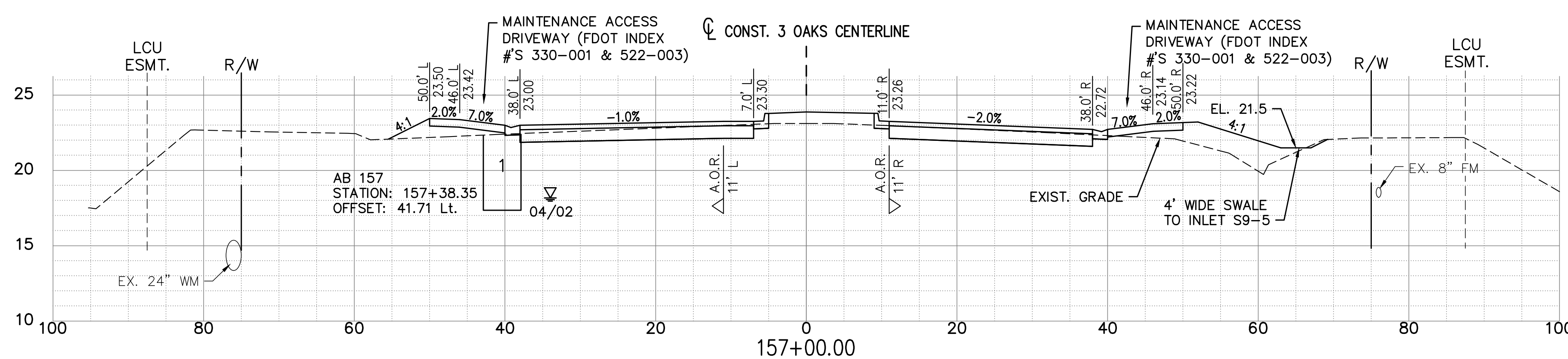
EXC		EMB	
A	V	A	V
50	87	36	35
70	0	12	0



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.







EXC		EMB	
A	V	A	V
0	245	359	568
33	208	41	125
46	155	27	79

HORIZ: (IN FEET) 0 10 20
VERT: (IN FEET) 0 5 10

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_A.dwg, 68 ROADWAY CROSS SECTIONS, 6/16/2020 11:54:01 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
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

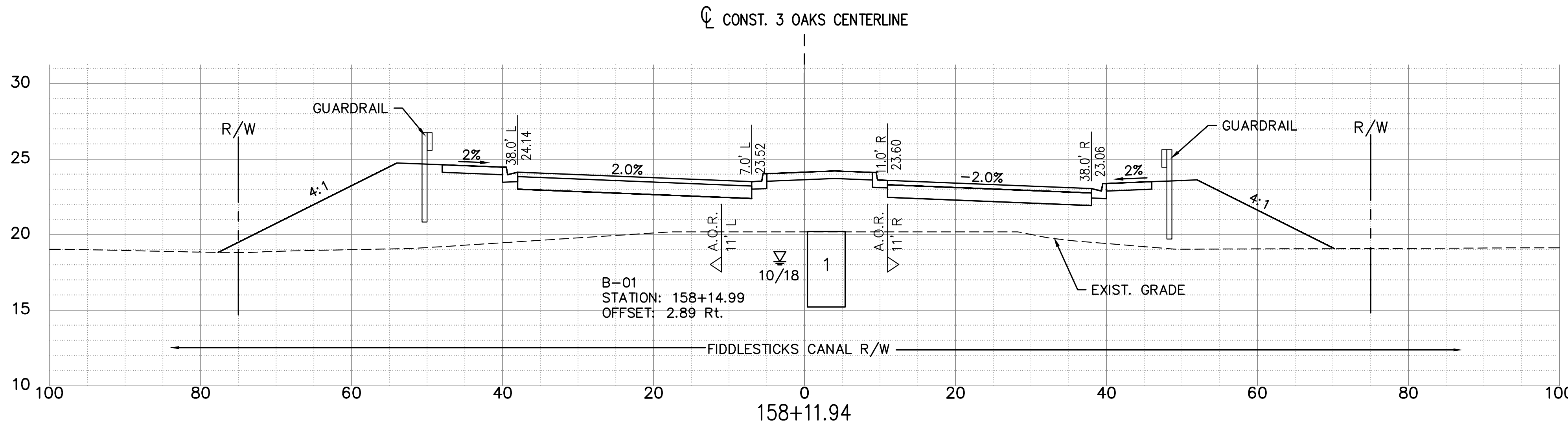
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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

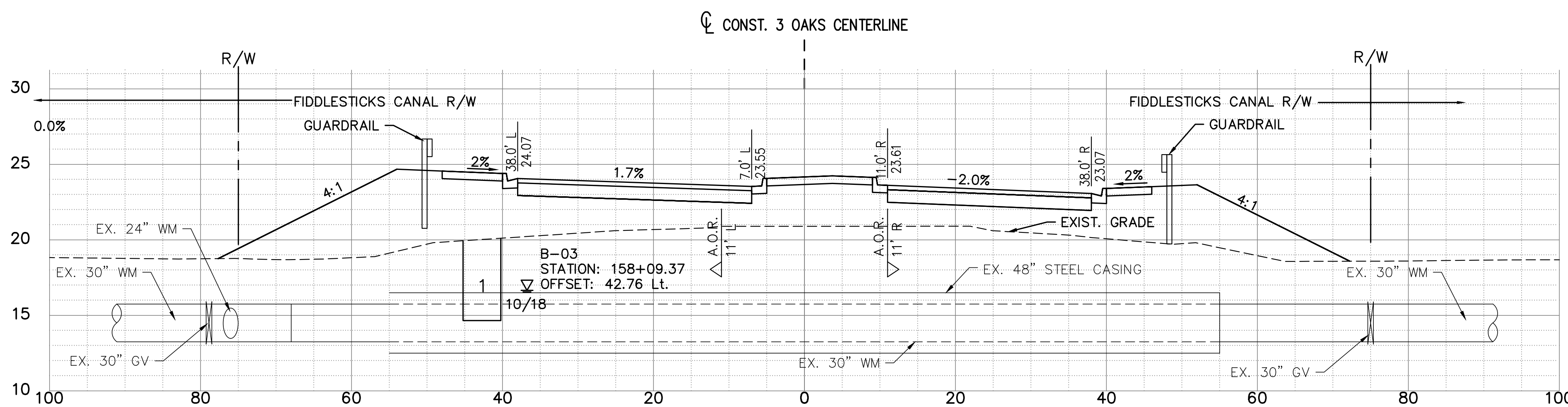
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

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.

EXC A	EXC V	EMB A	EMB V
0	245	446	793
0	245	382	610



158+11.94



158+00.00

HORIZ: (IN FEET) 0 10 20
VERT: (IN FEET) 0 5 10

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_A.dwg, 69 ROADWAY CROSS SECTIONS, 6/16/2020 11:54:23 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

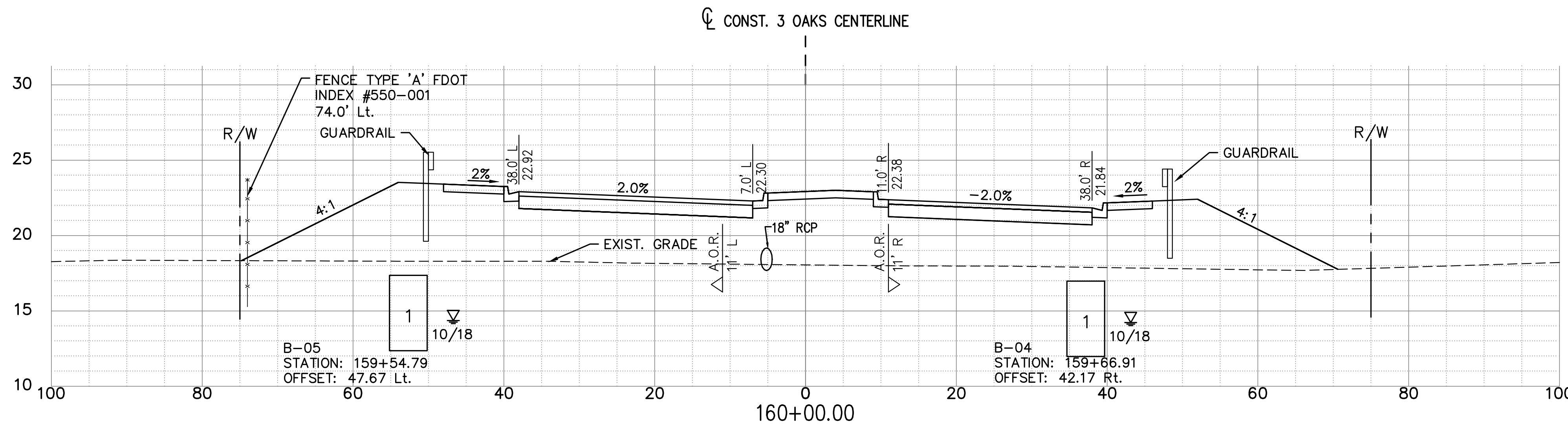
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

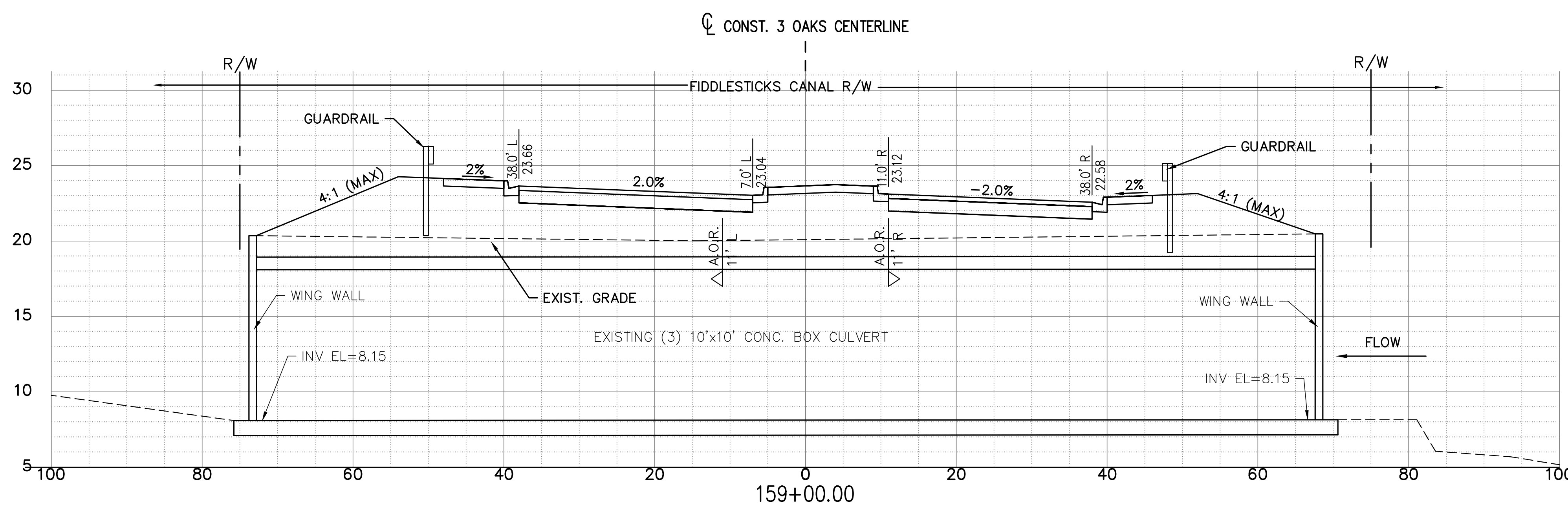
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

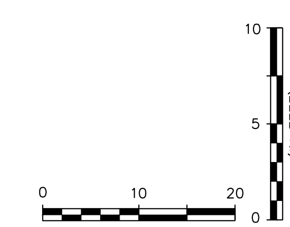
SHEET 69 OF 132

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.

EXC		EMB	
A	V	A	V
0	245	491	3559
0	245	319	2051







P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_A.dwg, 70 ROADWAY CROSS SECTIONS, 6/16/2020 11:54:47 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
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

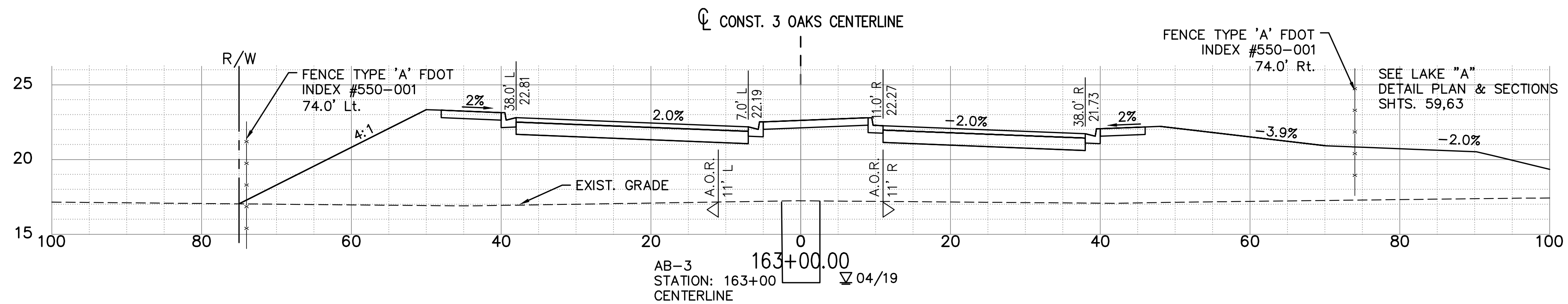
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

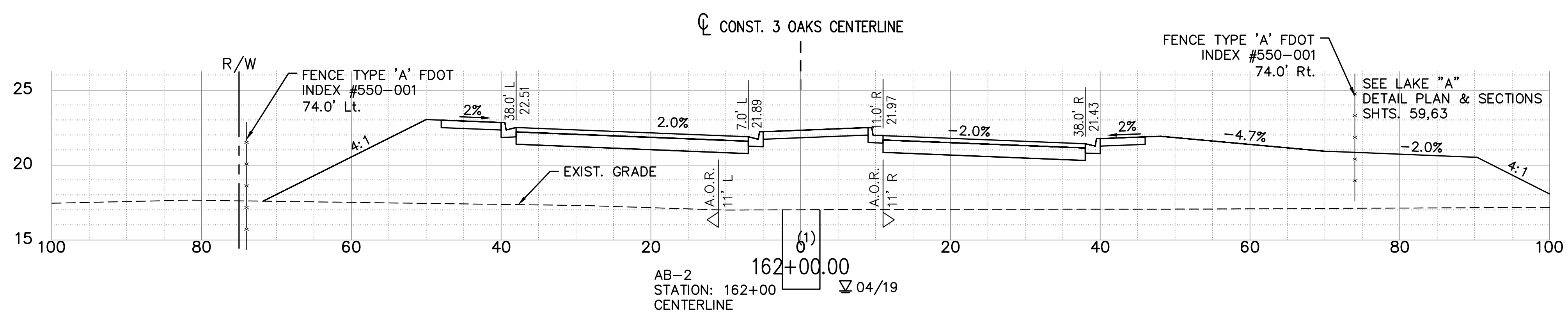
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

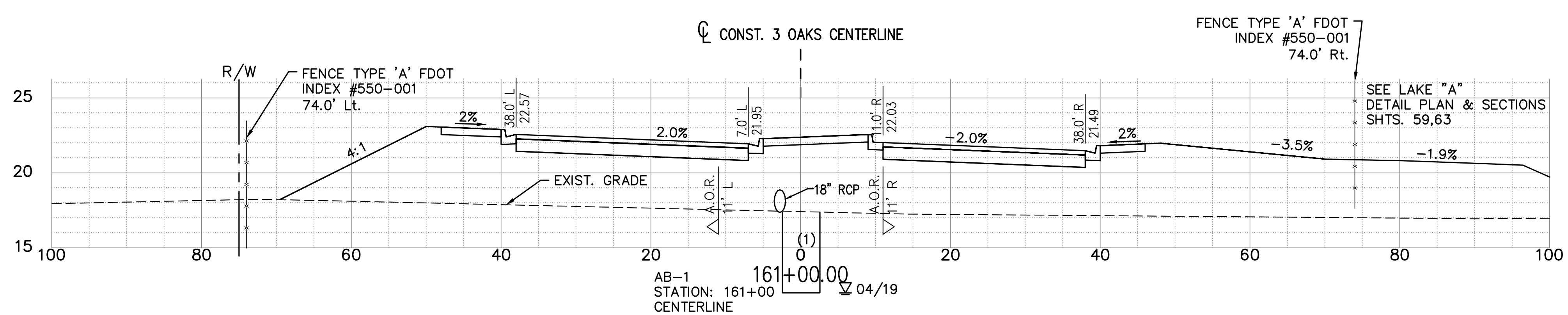
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

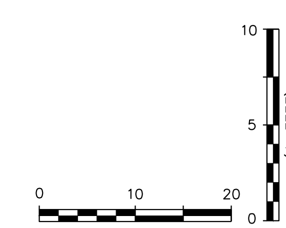
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.

EXC		EMB	
A	V	A	V
0	245	613	9461
0	245	561	7288
0	245	480	5361









DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

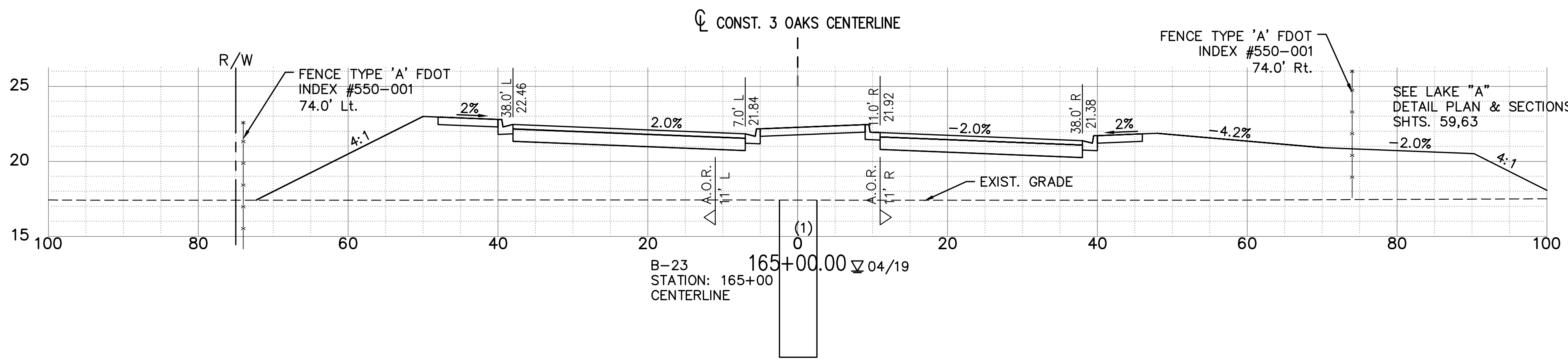
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

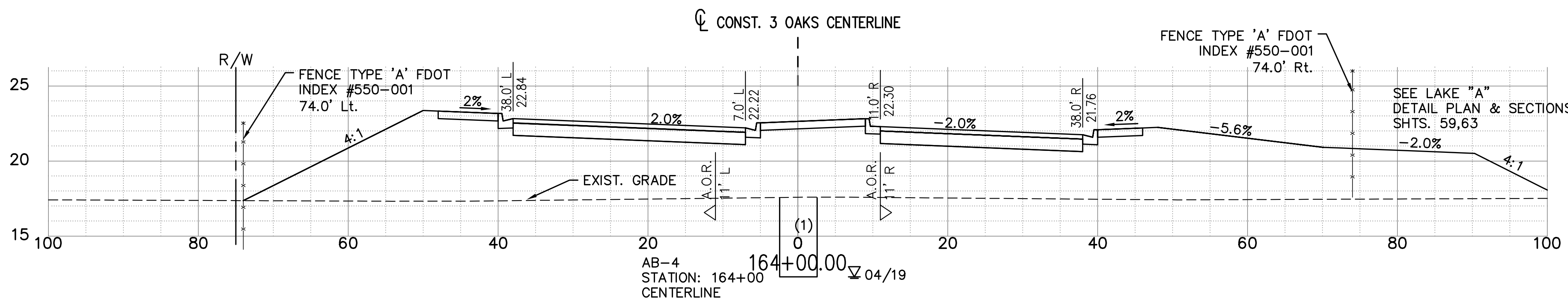
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

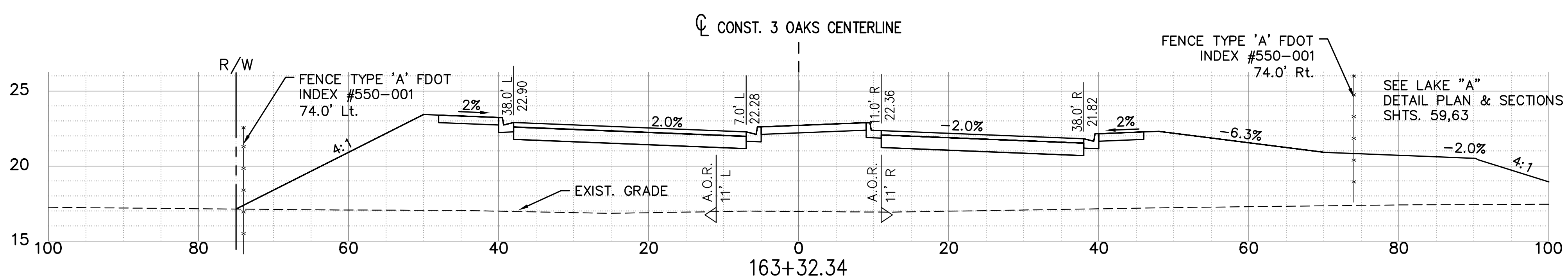
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

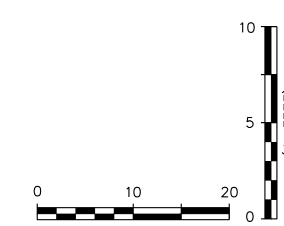
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.

EXC		EMB	
A	V	A	V
0	245	521	13723
0	245	566	11710
0	245	632	10208









P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_A.dwg, 72 ROADWAY CROSS SECTIONS, 6/16/2020 11:55:27 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
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

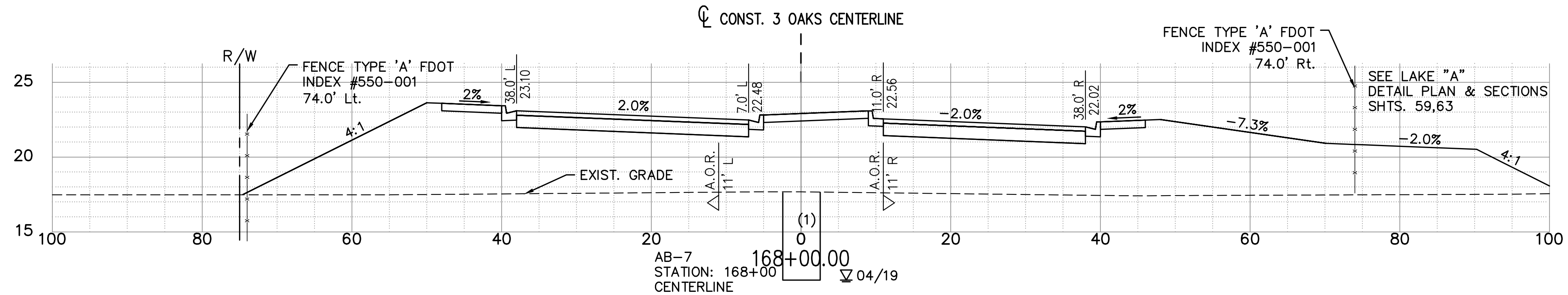
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

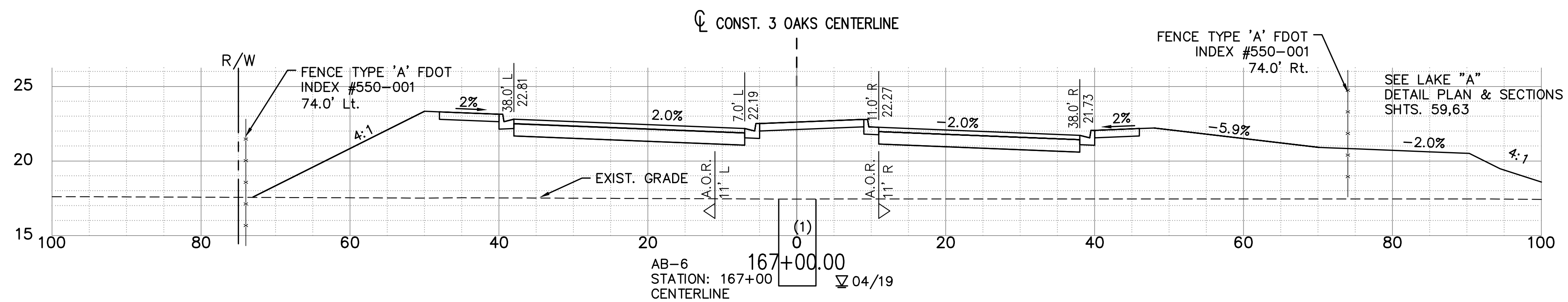
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

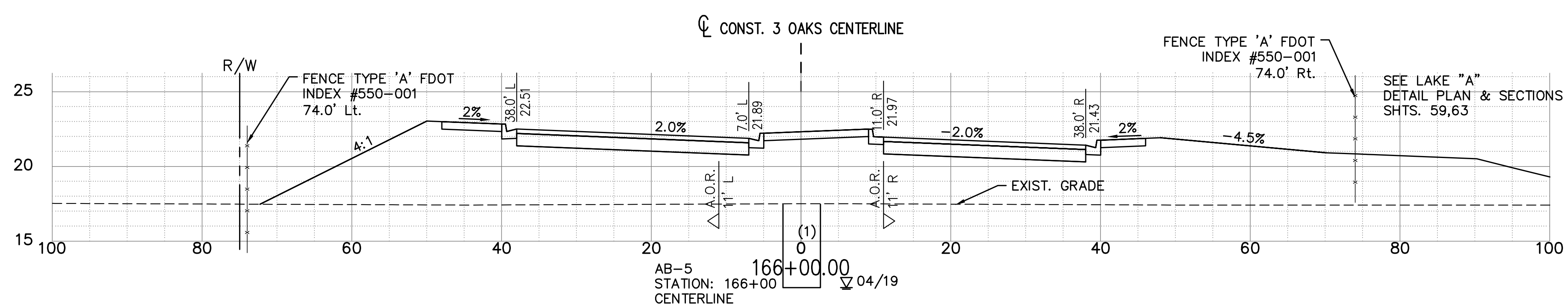
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
72 OF 132

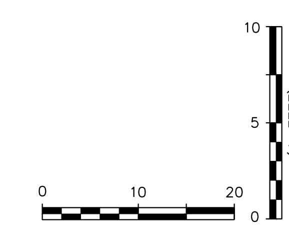
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.







EXC		EMB	
A	V	A	V
0	245	589	19777
0	245	558	17653
0	245	522	15654



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_A.dwg, 73 ROADWAY CROSS SECTIONS, 6/16/2020 11:55:47 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

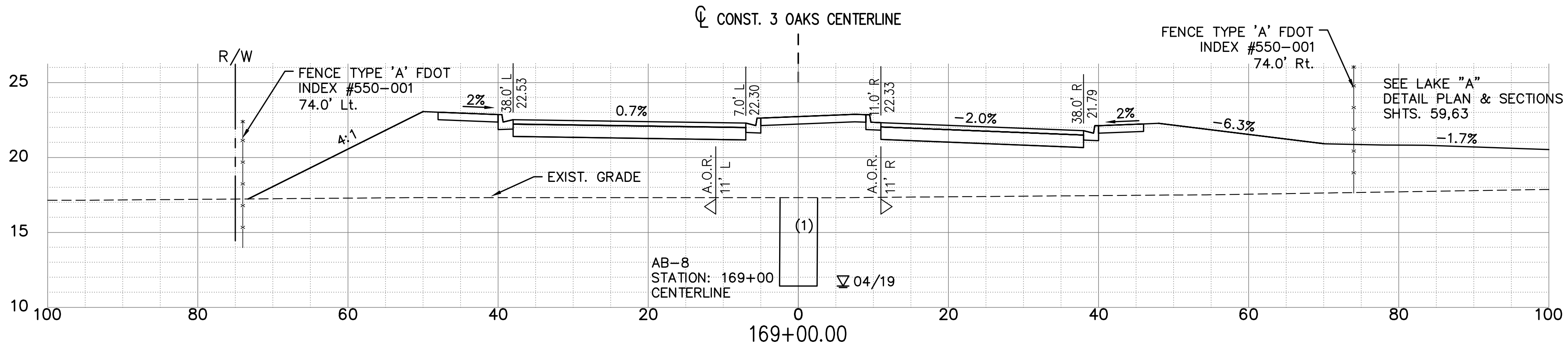
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

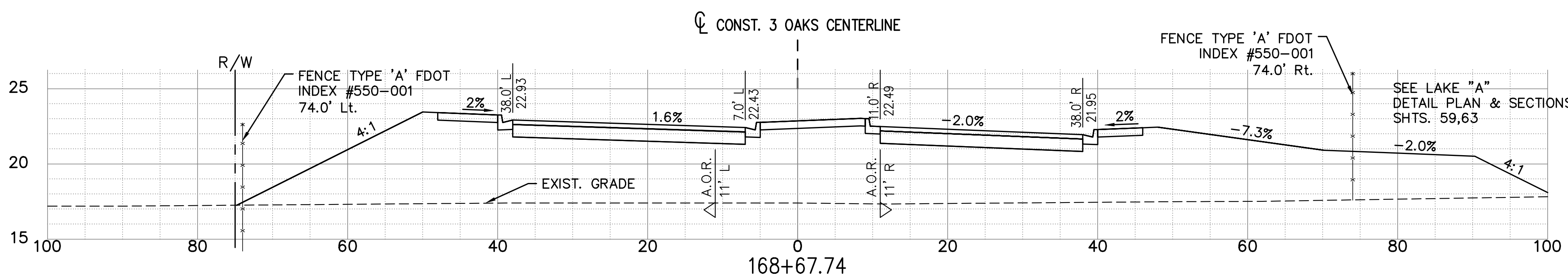
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

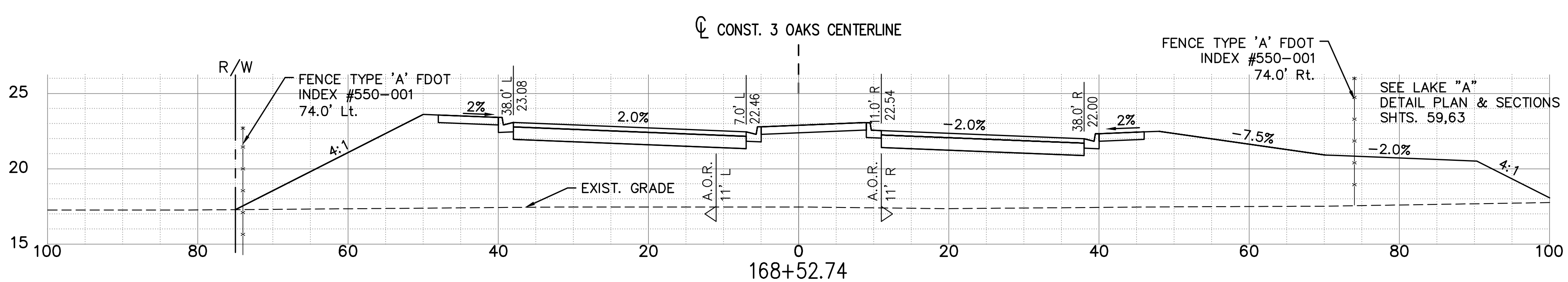
SHEET
73 of 132

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_A.dwg, 74 ROADWAY CROSS SECTIONS, 6/16/2020 11:56:07 AM, 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.







EXC		EMB	
A	V	A	V
0	245	566	21966
0	245	594	21273
0	245	601	20941

HORIZ: (IN FEET) 0 10 20
VERT: (IN FEET) 0 5 10

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

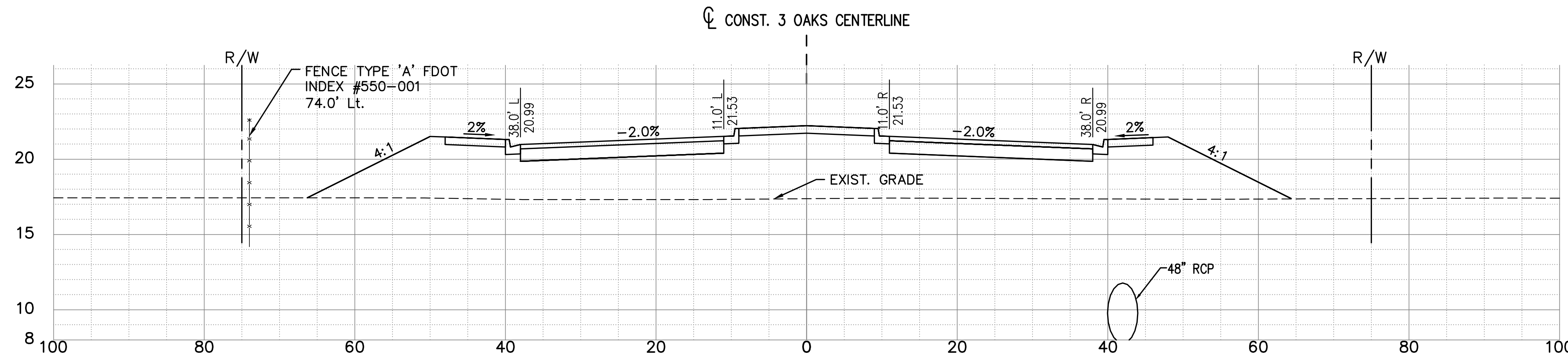
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

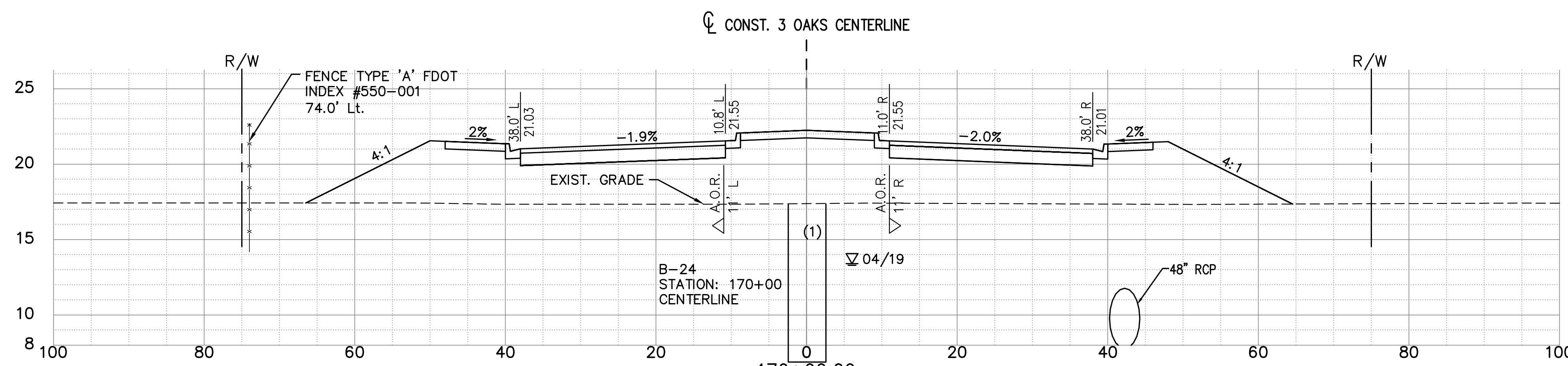
SHEET
74 OF 132

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.

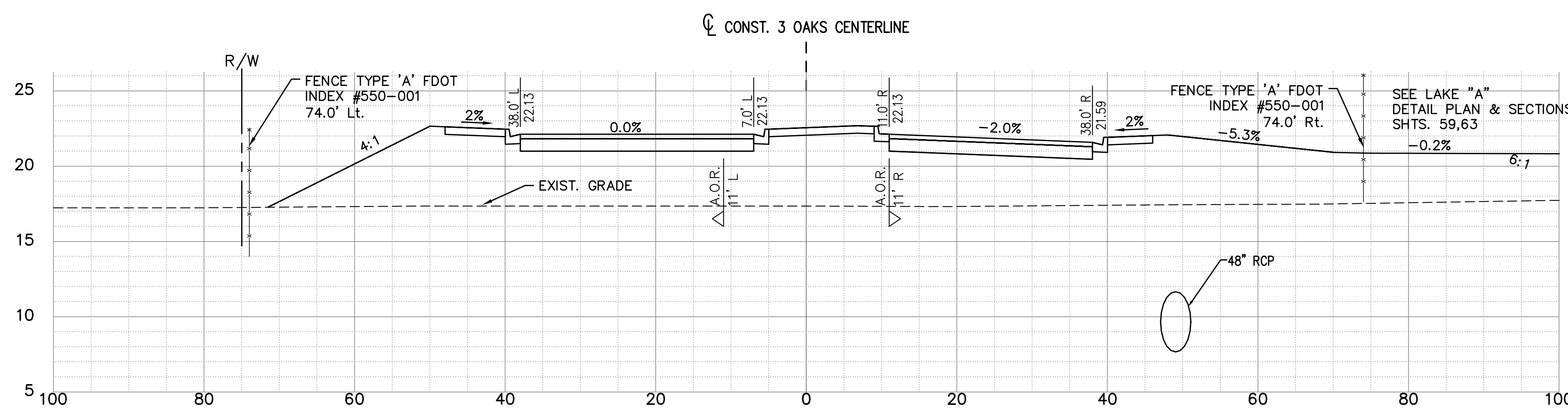
EXC		EMB	
A	V	A	V
0	245	386	23800
0	245	389	23760
0	245	531	22529



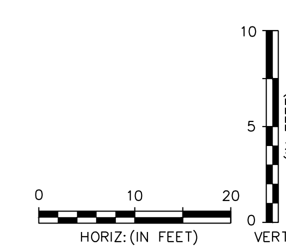
170+02.74



170+00.00



169+27.74



DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

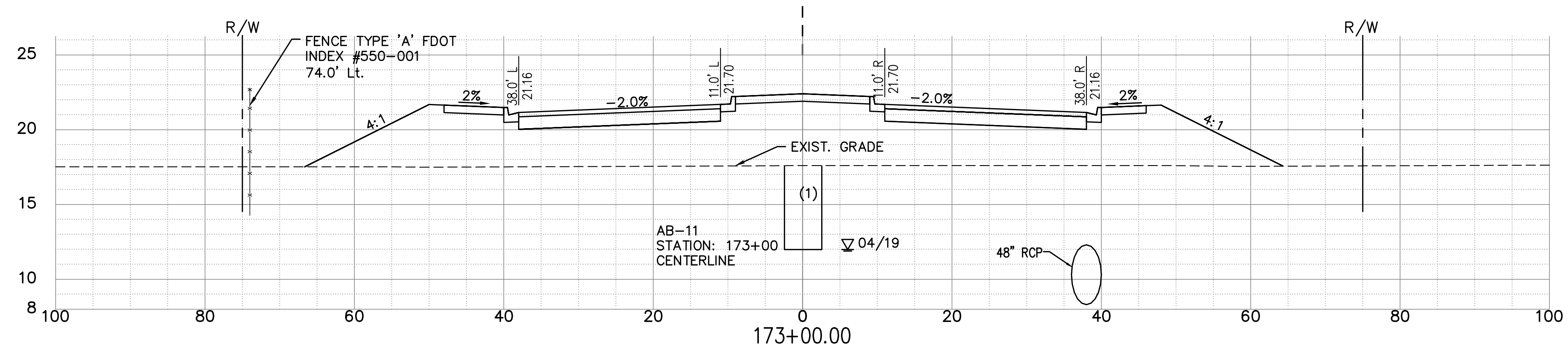
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

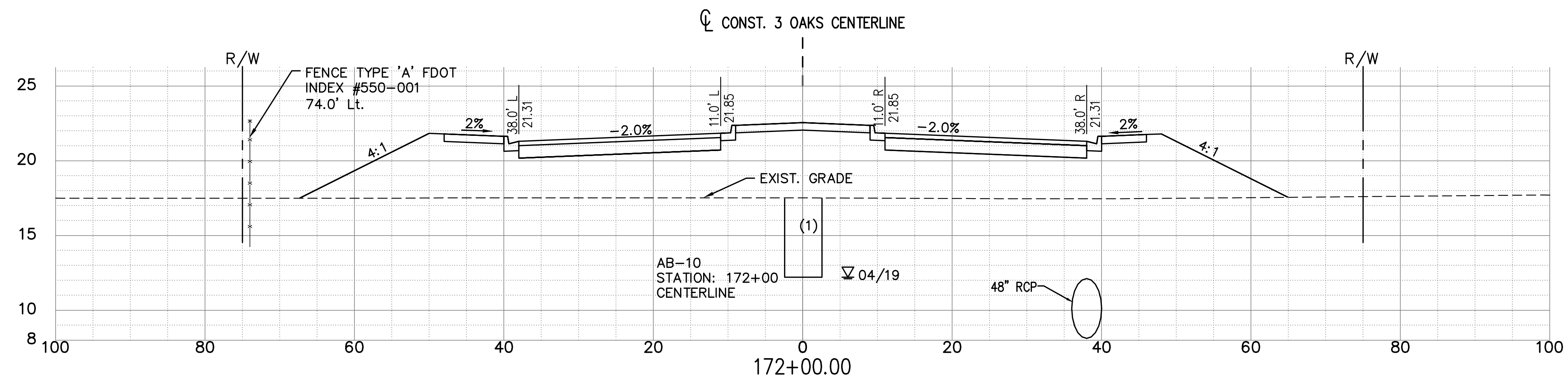
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

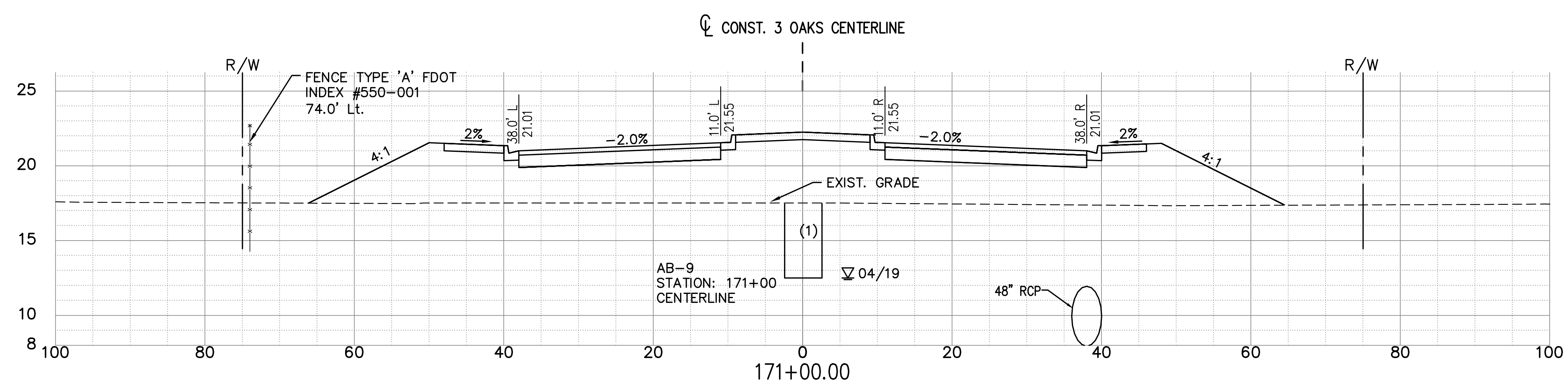
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

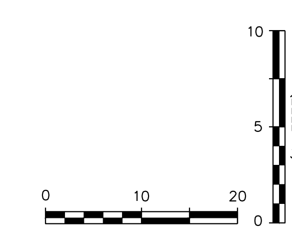
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.







EXC		EMB	
A	V	A	V
0	245	383	28106
0	245	411	26636
0	245	378	25175



DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

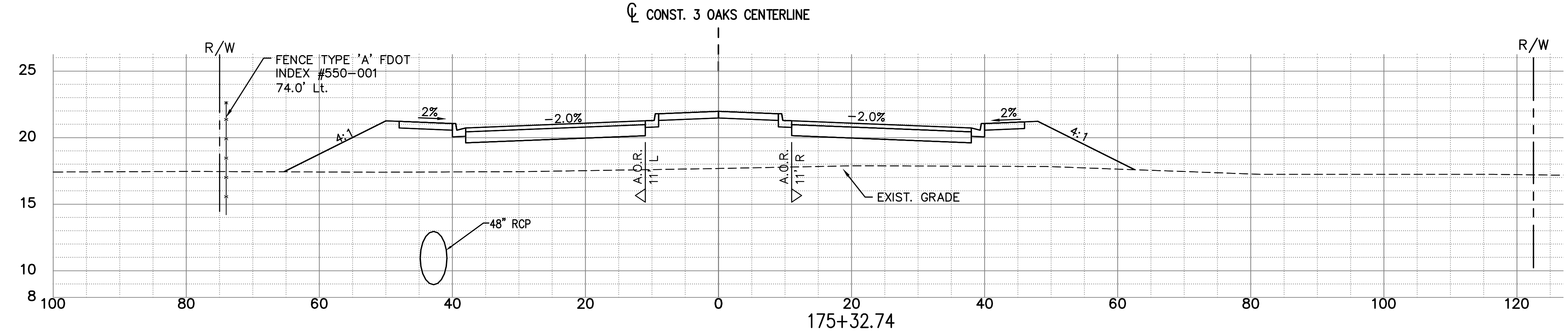
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

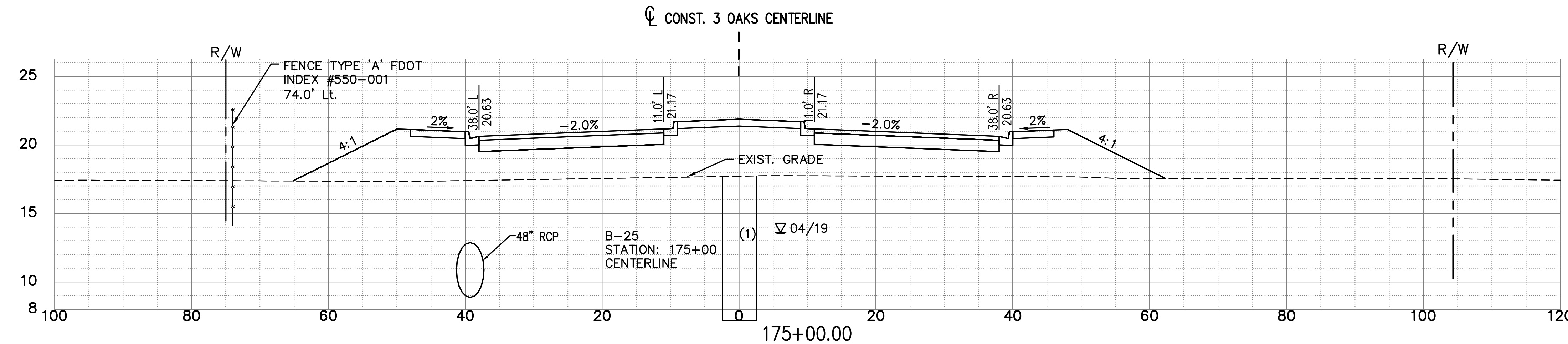
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

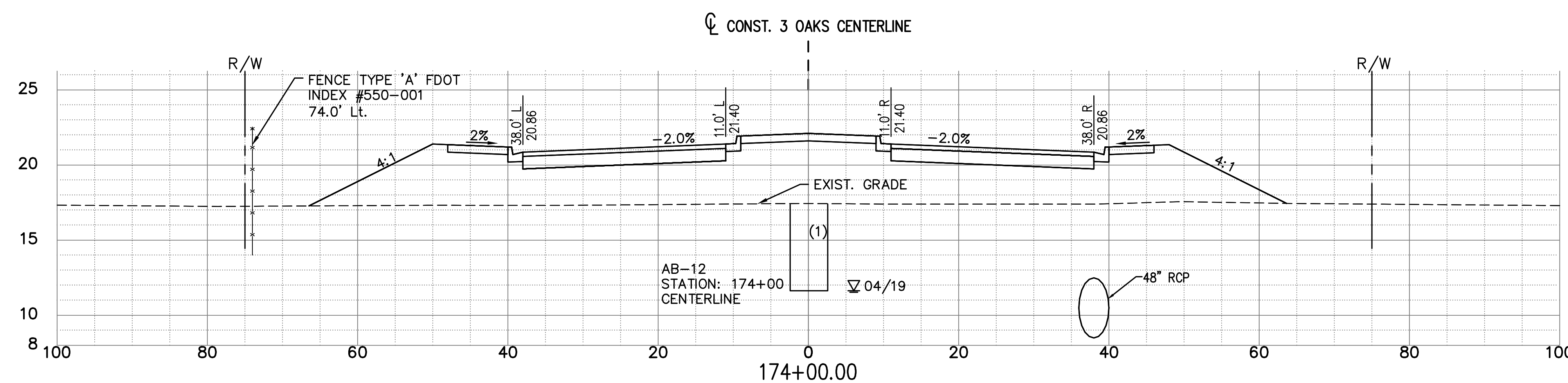
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

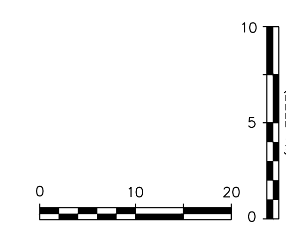
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.







EXC A	EXC V	EMB A	EMB V
0	245	319	31142
0	245	314	30758
0	245	368	29496



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_B.dwg, 77 ROADWAY CROSS SECTIONS, 6/16/2020 11:58:15 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

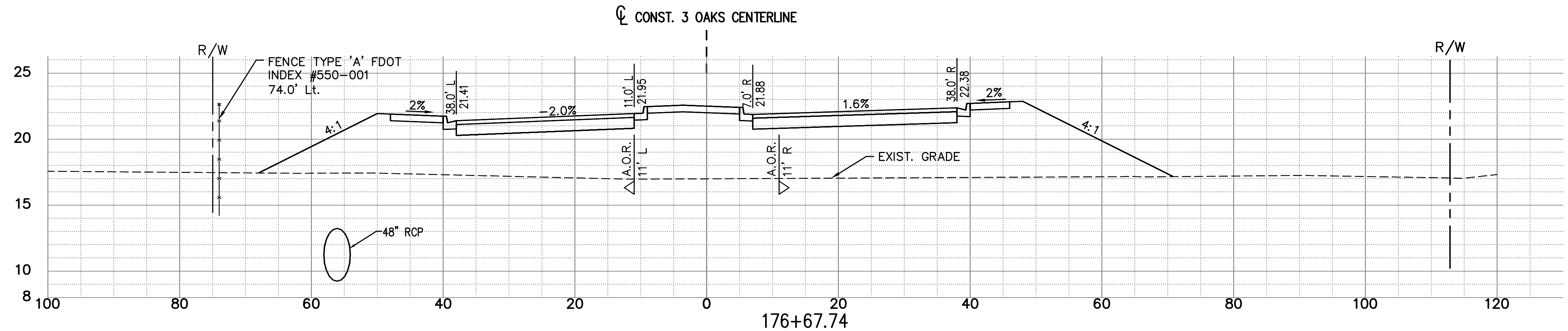
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

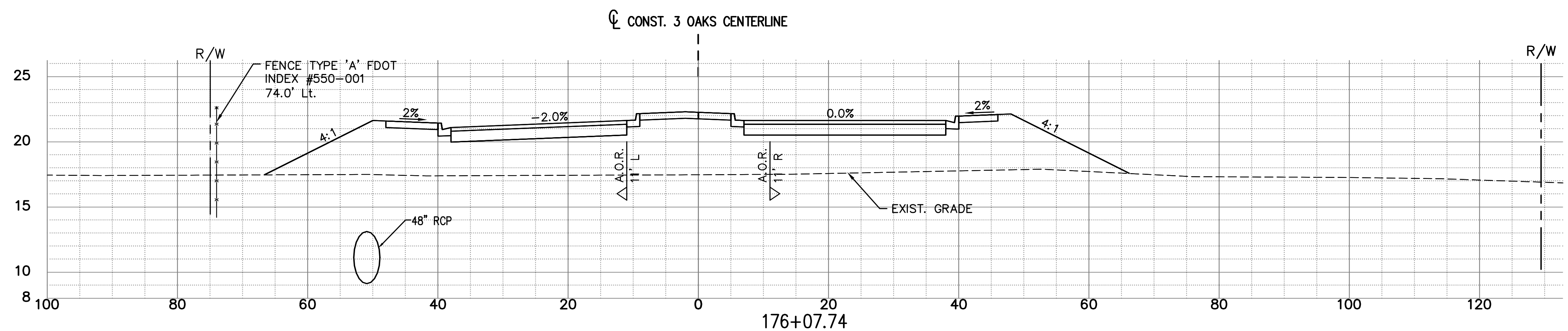
THREE OAKS PARKWAY EXTENSION
PHASE I: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

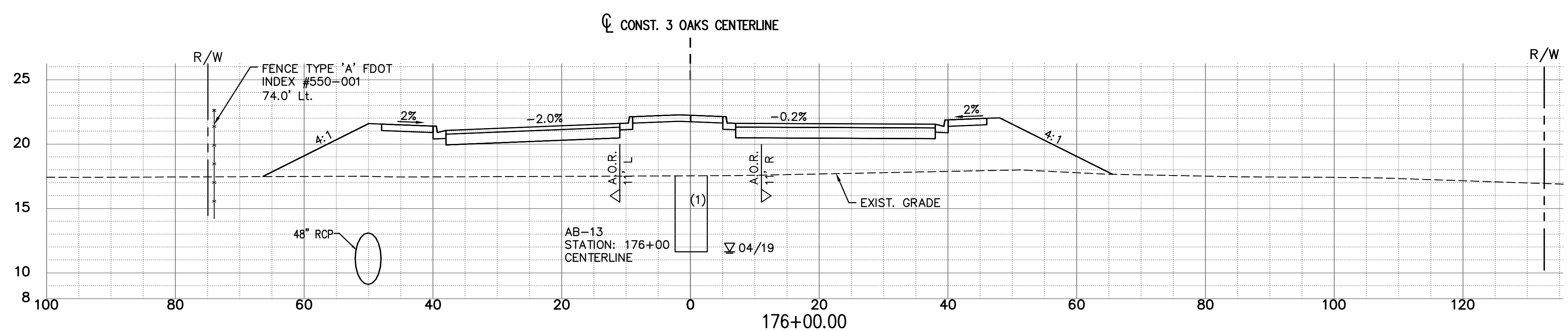
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

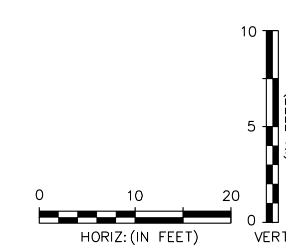
SHEET 77 OF 132

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.









EXC		EMB	
A	V	A	V
0	245	508	33135
0	245	403	32122
0	245	378	32010

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_B.dwg, 78 ROADWAY CROSS SECTIONS, 6/16/2020 11:59:51 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

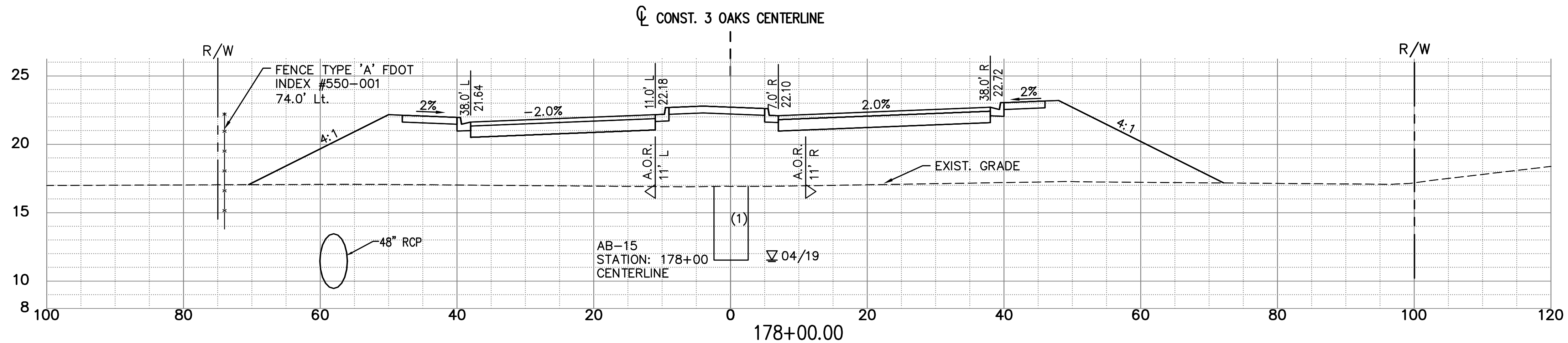
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

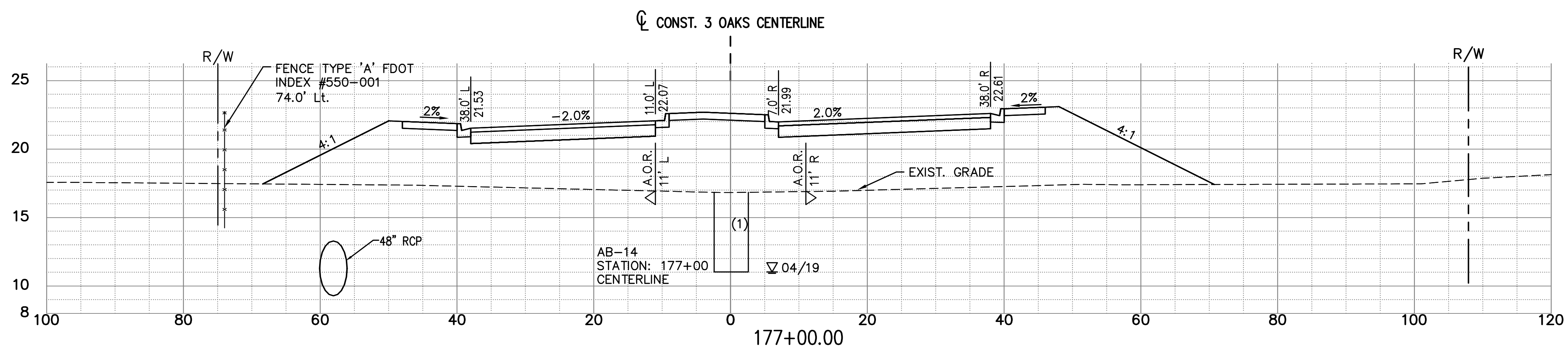
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

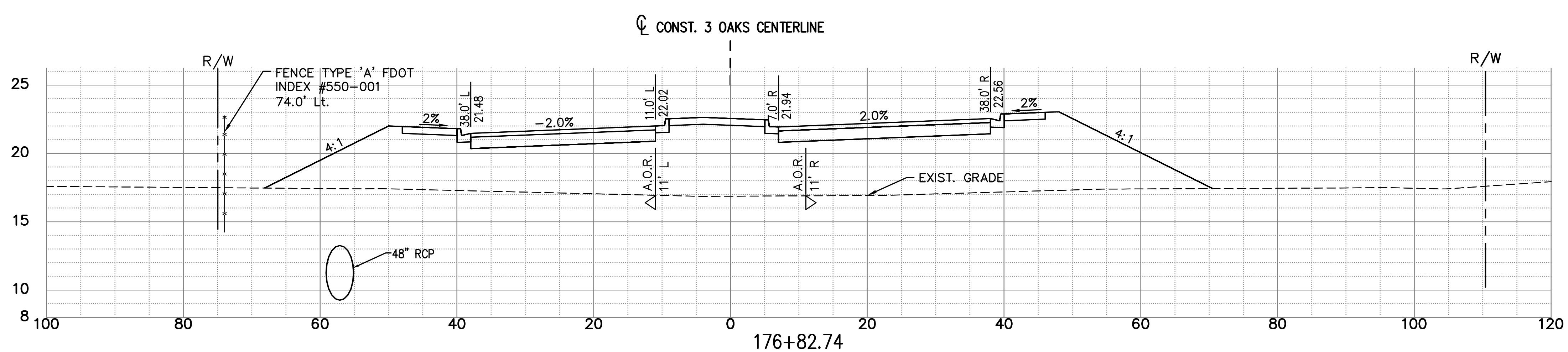
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

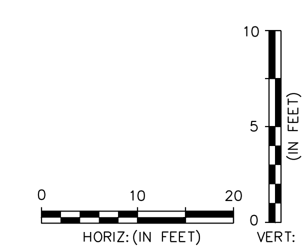
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.







EXC		EMB	
A	V	A	V
0	245	559	35770
0	245	526	33755
0	245	521	33421



DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

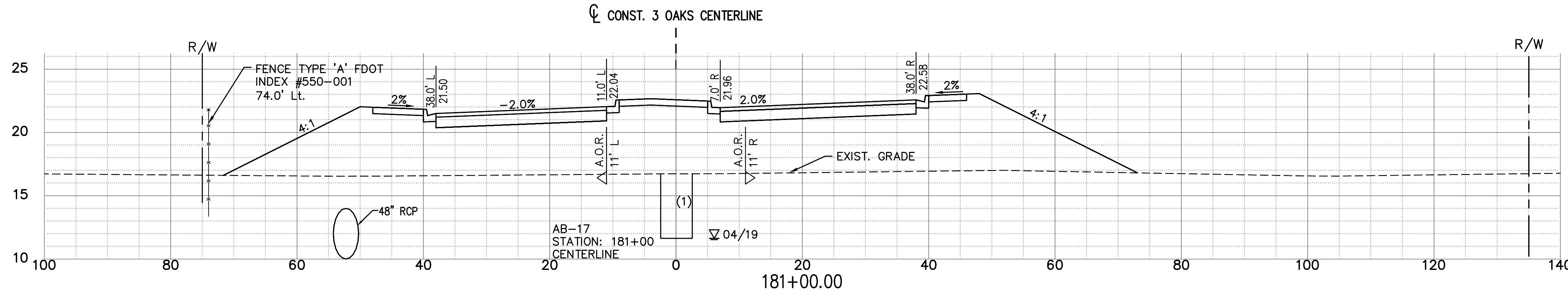
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

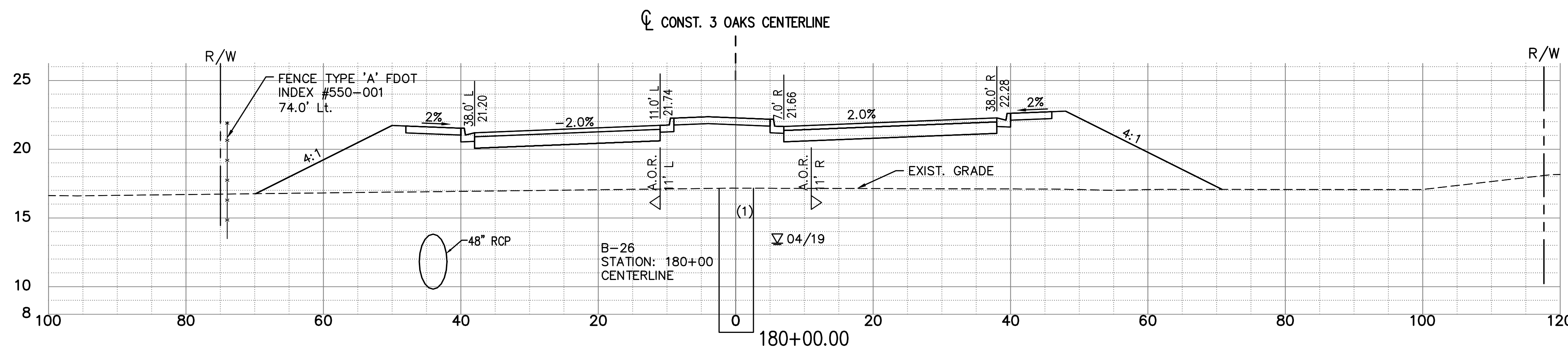
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

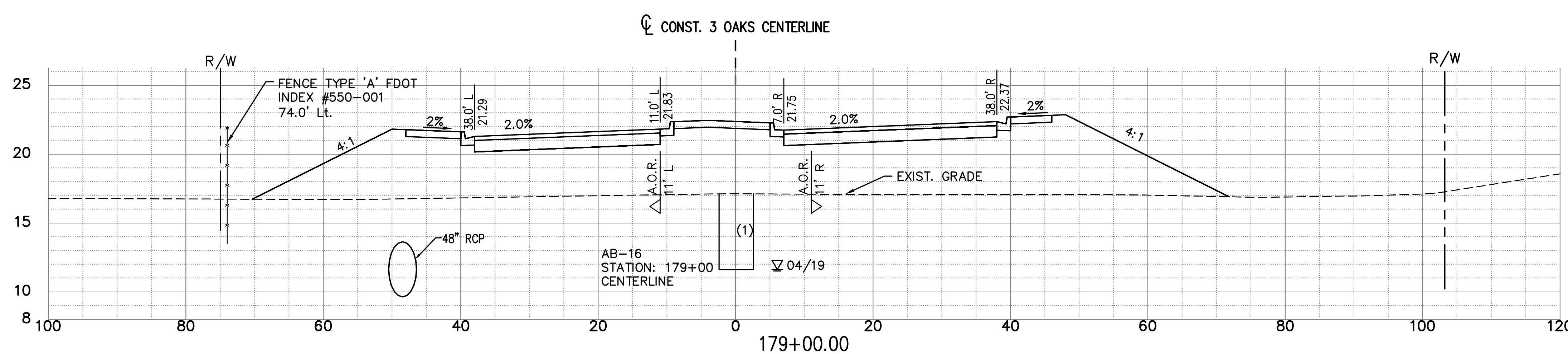
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

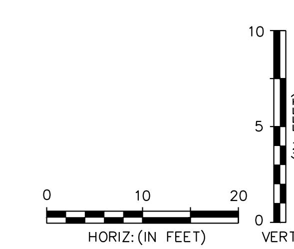
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.

EXC		EMB	
A	V	A	V
0	245	585	41688
0	245	501	39674
0	245	522	37776









DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

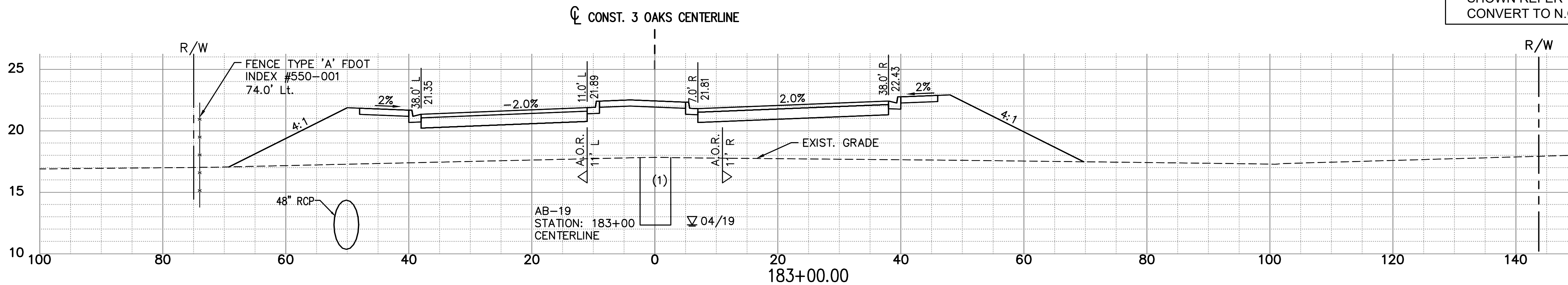
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

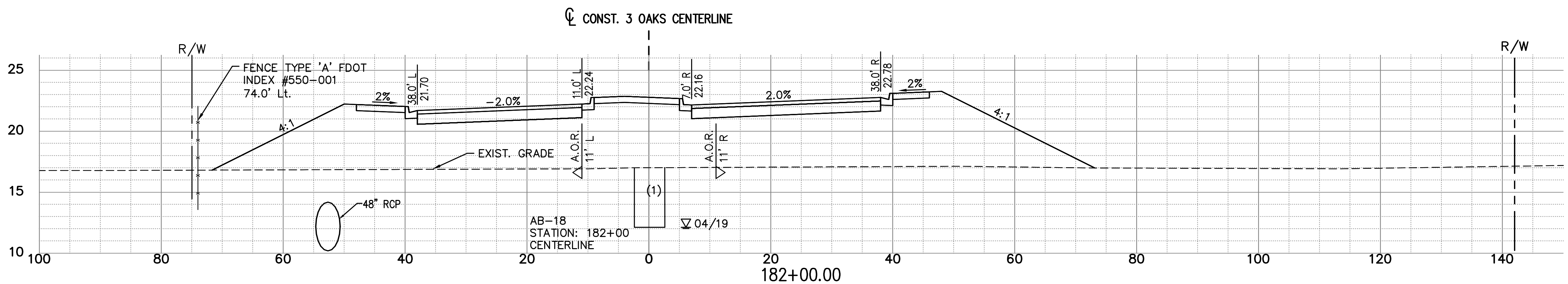
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

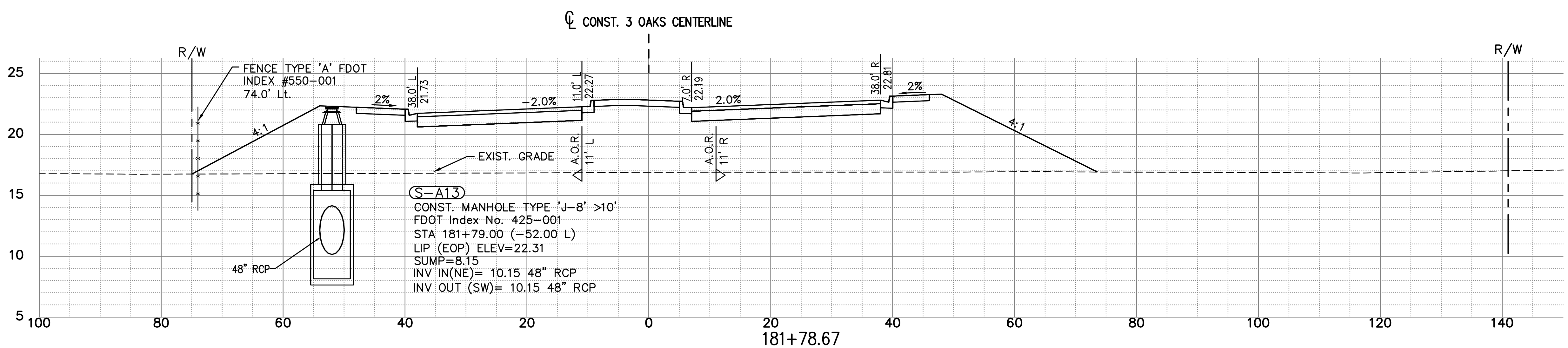
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

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.







EXC		EMB	
A	V	A	V
0	245	448	45833
0	245	581	43924
0	245	622	43448

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_B.dwg, 81 ROADWAY CROSS SECTIONS, 6/16/2020 12:02:35 PM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

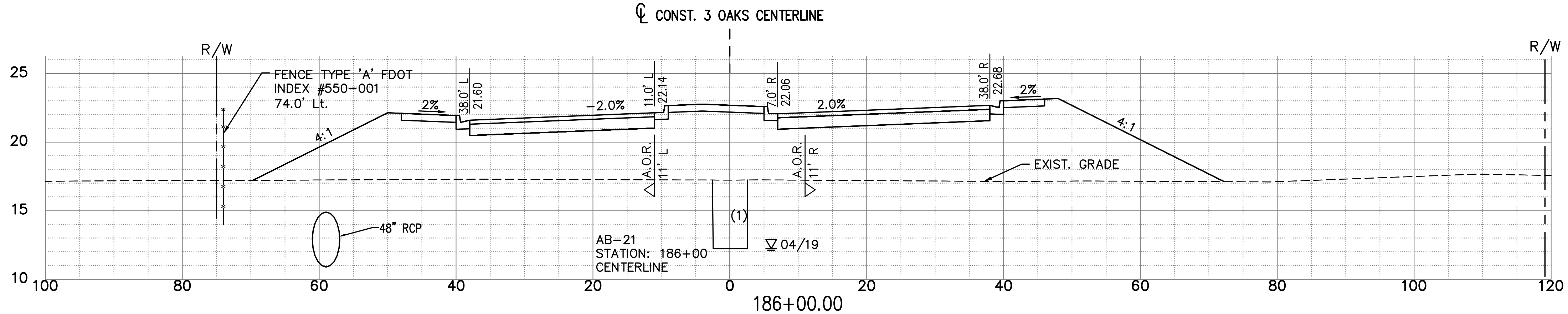
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

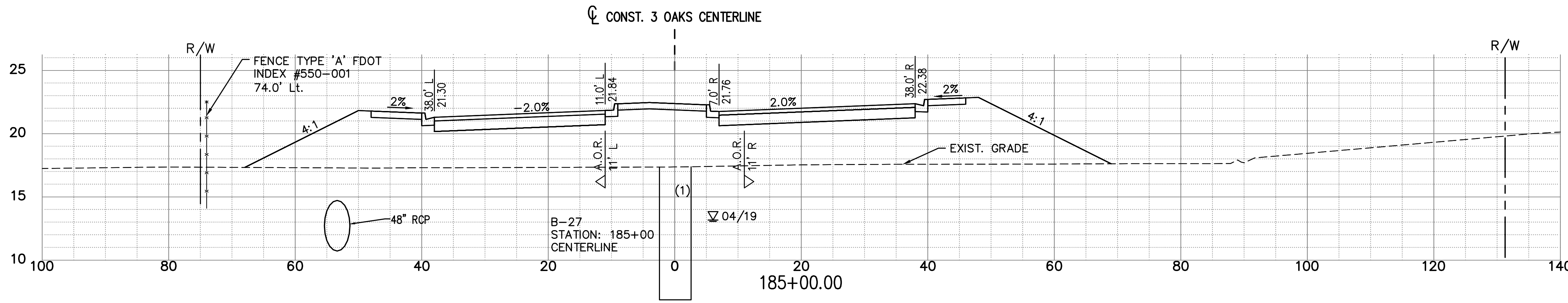
THREE OAKS PARKWAY EXTENSION
PHASE I: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

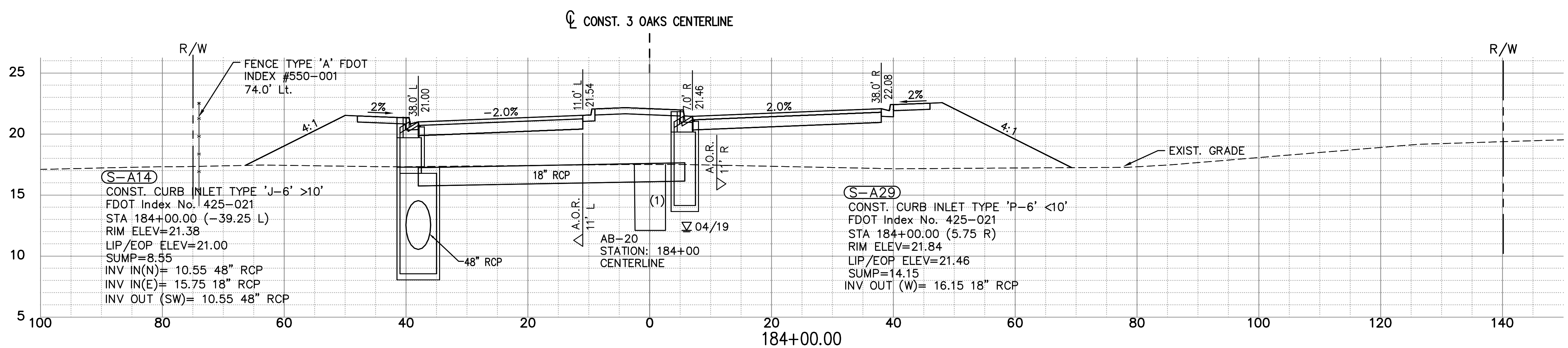
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
81 OF 132

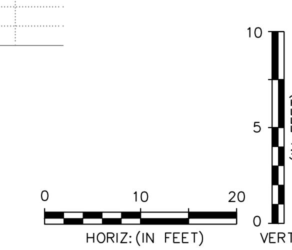
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.







EXC		EMB	
A	V	A	V
0	245	533	50960
0	245	430	47465
0	245	430	47465



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_B.dwg, 82 ROADWAY CROSS SECTIONS, 6/16/2020 12:03:12 PM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

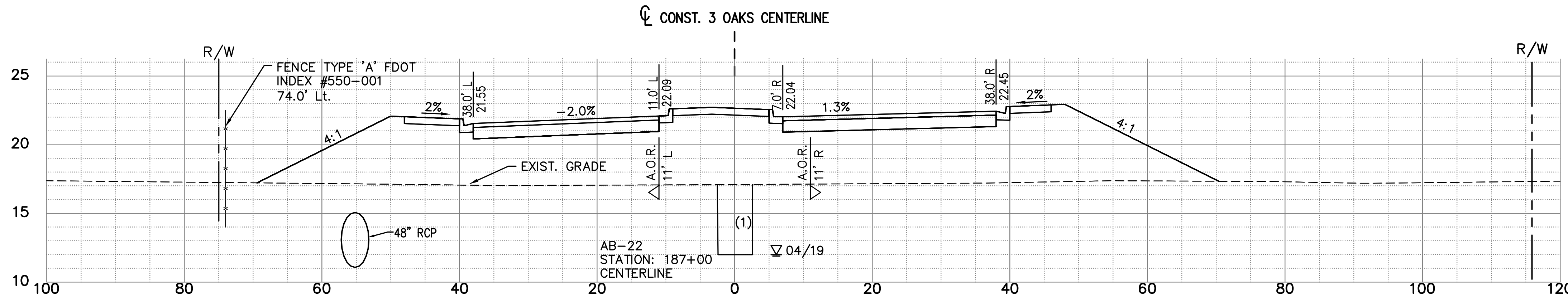
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

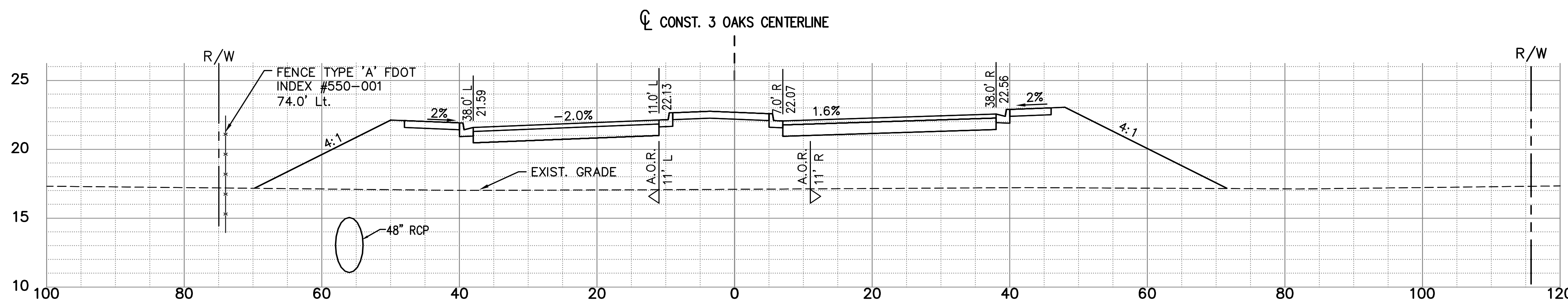
THREE OAKS PARKWAY EXTENSION
PHASE I: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

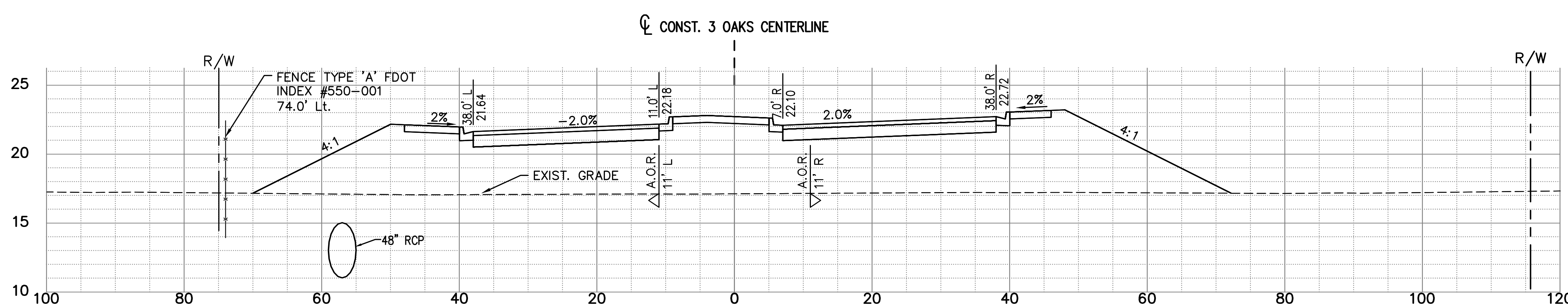
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.



187+00.00

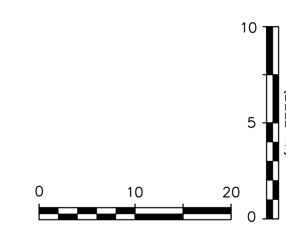


186+89.60



186+74.60

EXC		EMB	
A	V	A	V
0	245	523	52964
0	245	539	52759
0	245	548	52457



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_B.dwg, 83 ROADWAY CROSS SECTIONS, 6/16/2020 12:04:30 PM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

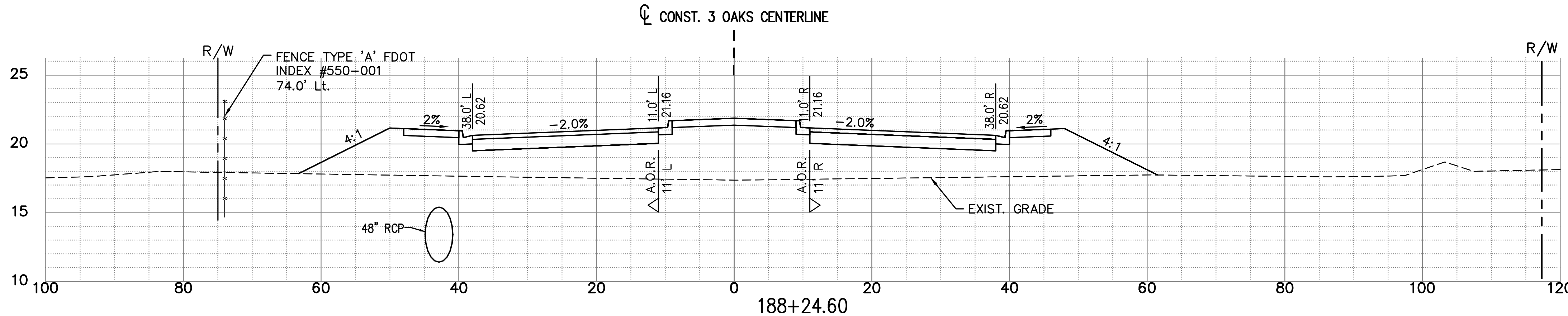
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

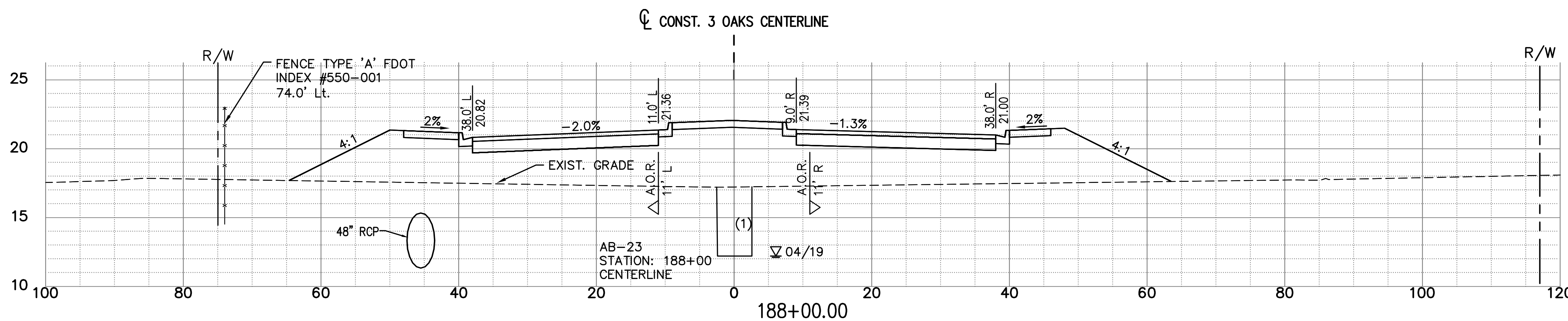
THREE OAKS PARKWAY EXTENSION
PHASE I: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

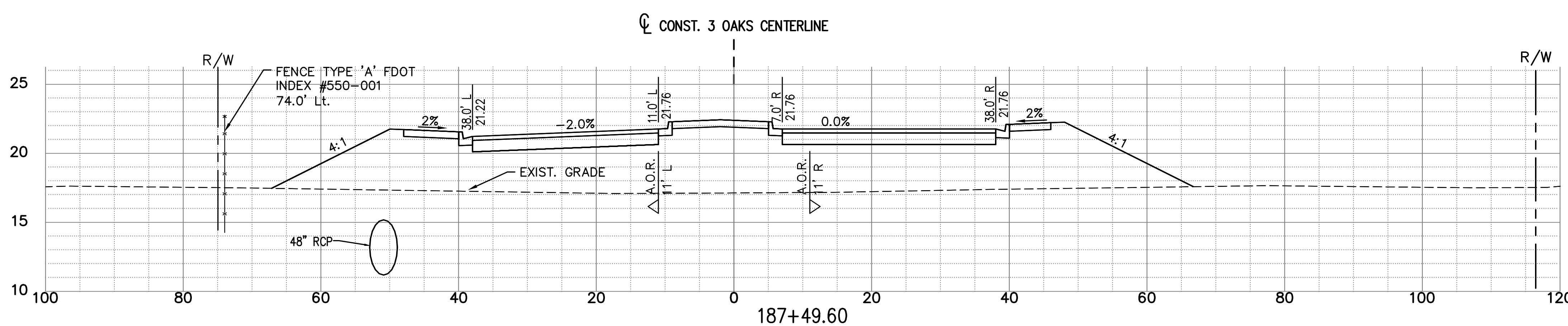
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
83 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.







EXC A	EXC V	EMB A	EMB V
0	245	313	54934
0	245	362	54627
0	245	456	53863

HORIZ: (IN FEET) 0 10 20
VERT: (IN FEET) 0 5 10

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

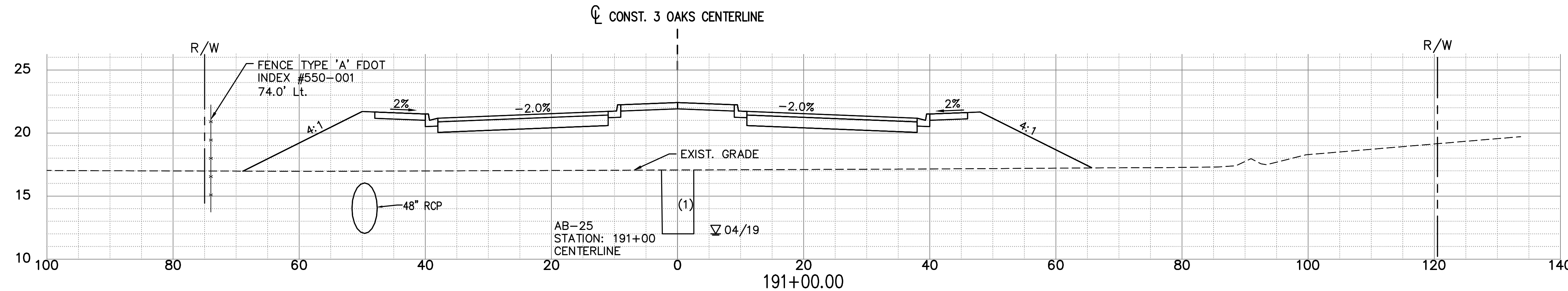
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

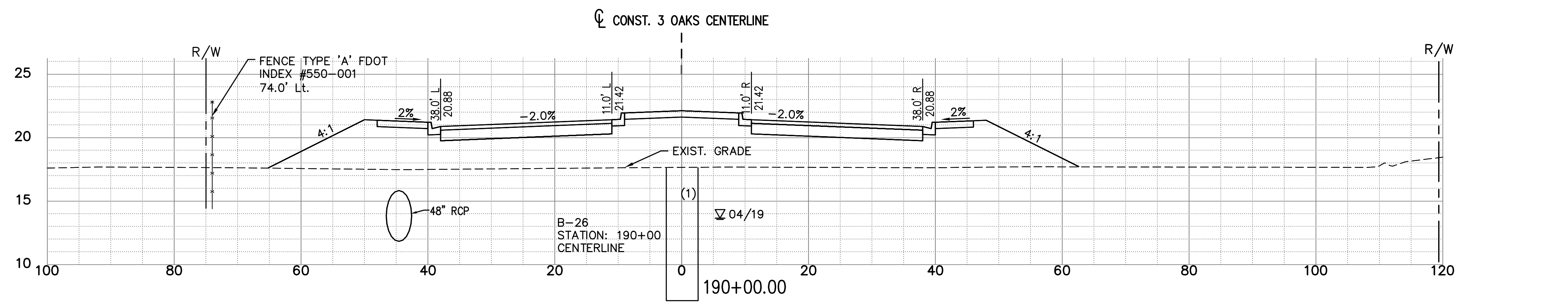
SHEET 84 OF 132

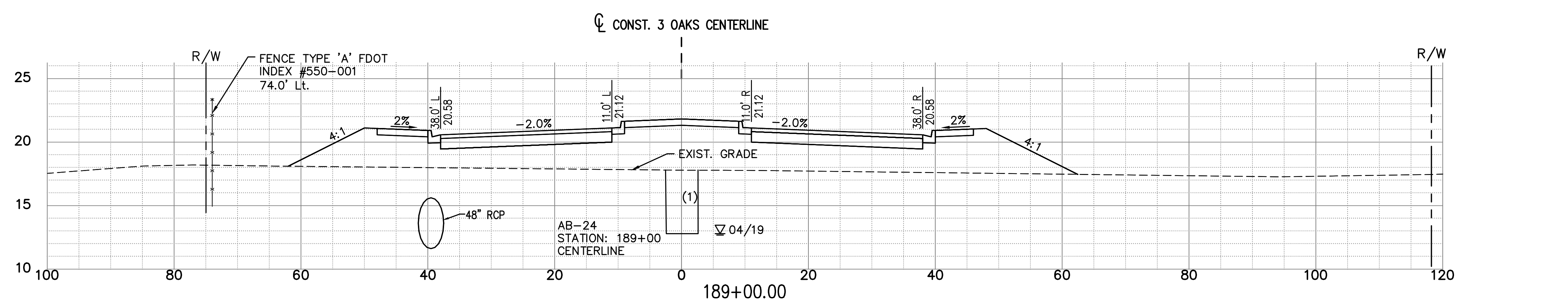
P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_B.dwg, 84 ROADWAY CROSS SECTIONS, 6/16/2020 12:05:10 PM, Avalon Engineering Inc.

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_B.dwg, 85 ROADWAY CROSS SECTIONS, 6/16/2020 12:06:11 PM, Avalon Engineering Inc.

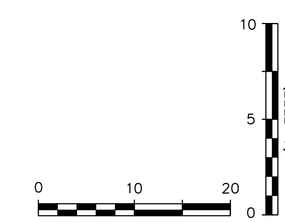
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.







EXC		EMB	
A	V	A	V
0	245	451	58381
0	245	341	56913
0	245	280	55762



DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

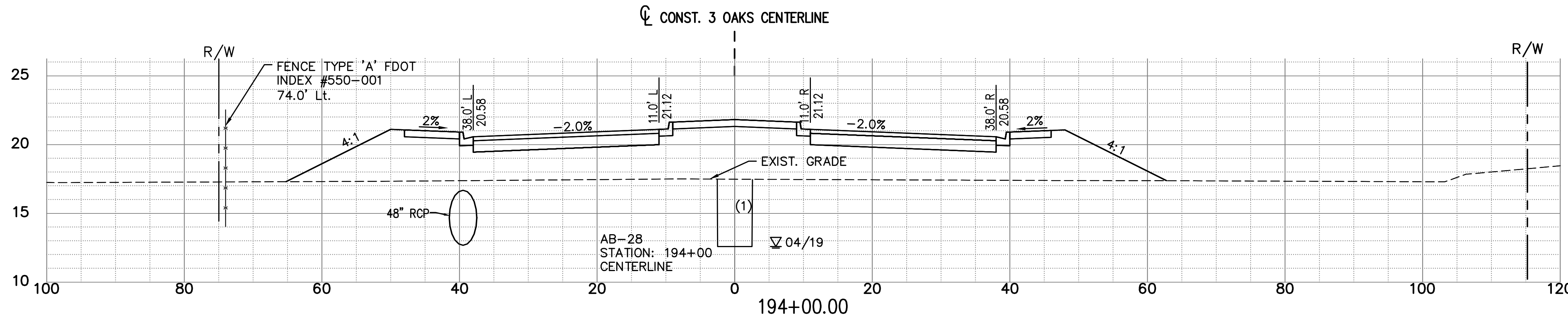
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

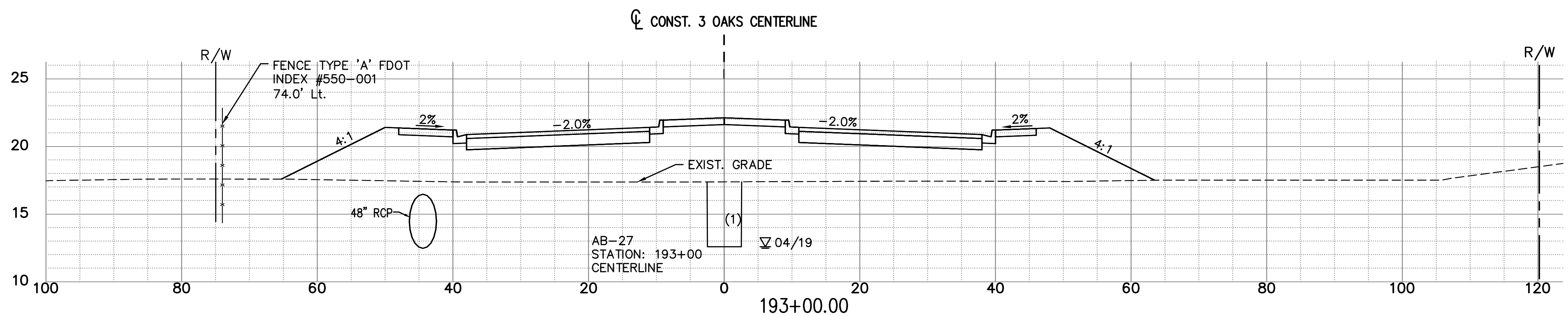
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

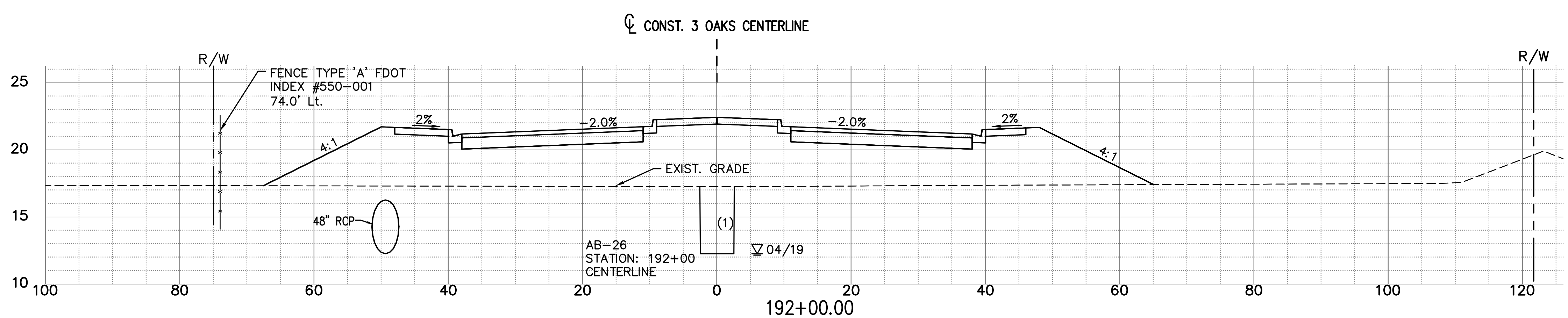
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
85 OF 132

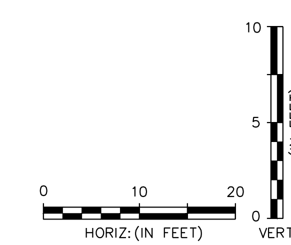






NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.

EXC		EMB	
A	V	A	V
0	245	328	62733
0	245	366	61449
0	245	420	59994



DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

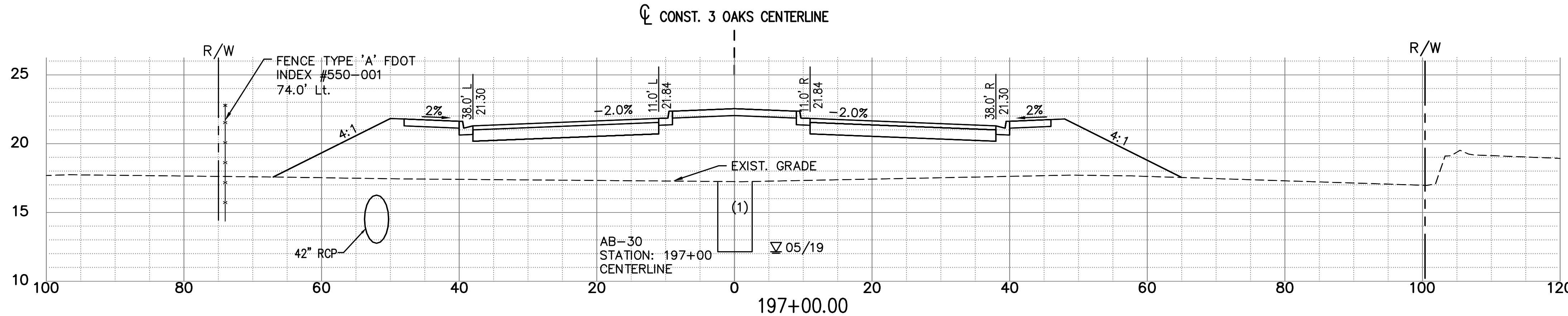
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

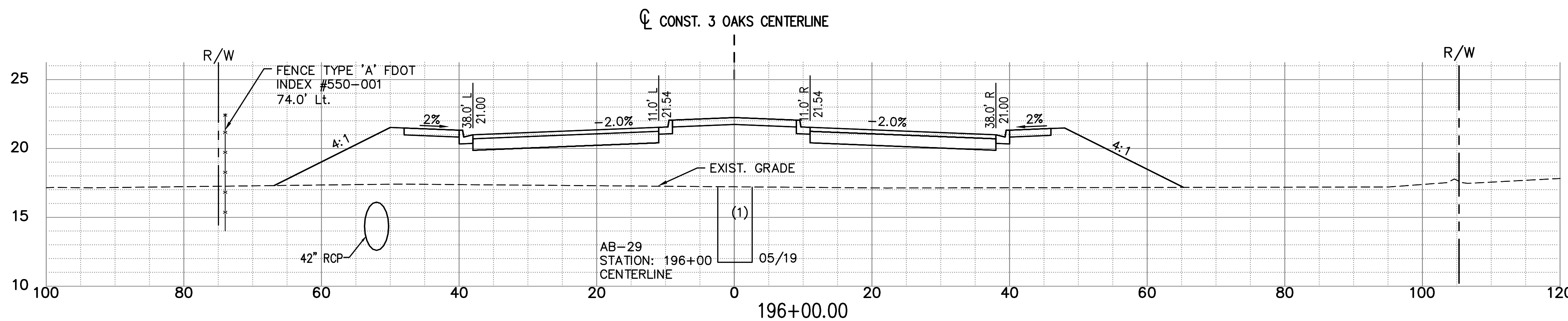
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

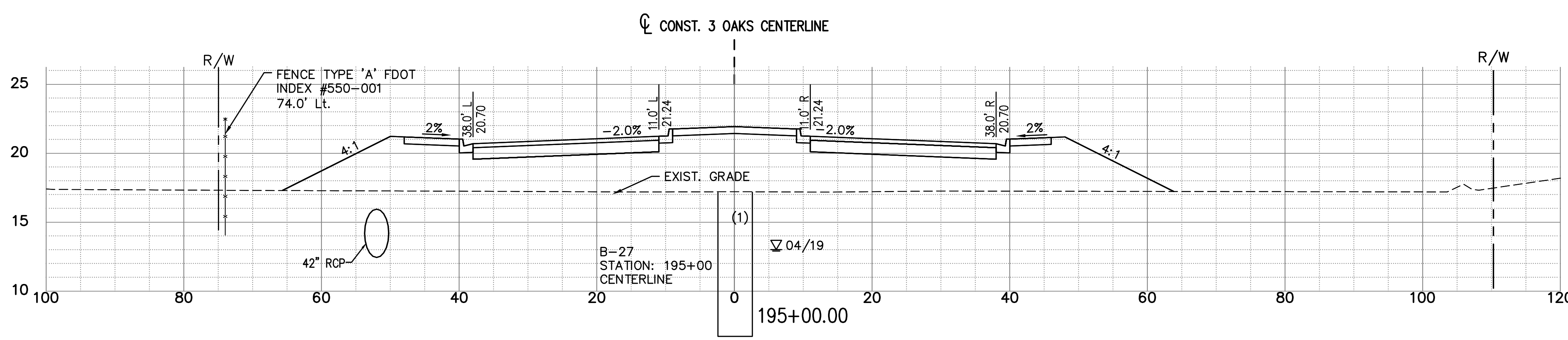
SHEET
86 OF 132

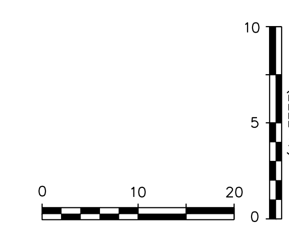
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.

EXC		EMB	
A	V	A	V
0	245	417	66967
0	245	404	65446
0	245	366	64019









P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_C.dwg, 87 ROADWAY CROSS SECTIONS, 6/16/2020 12:09:11 PM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
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

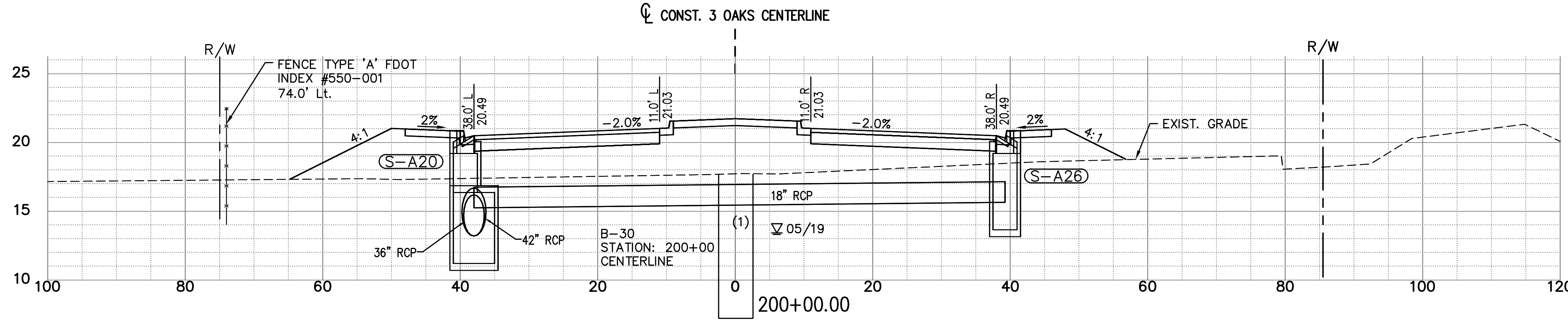
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
87 OF 132

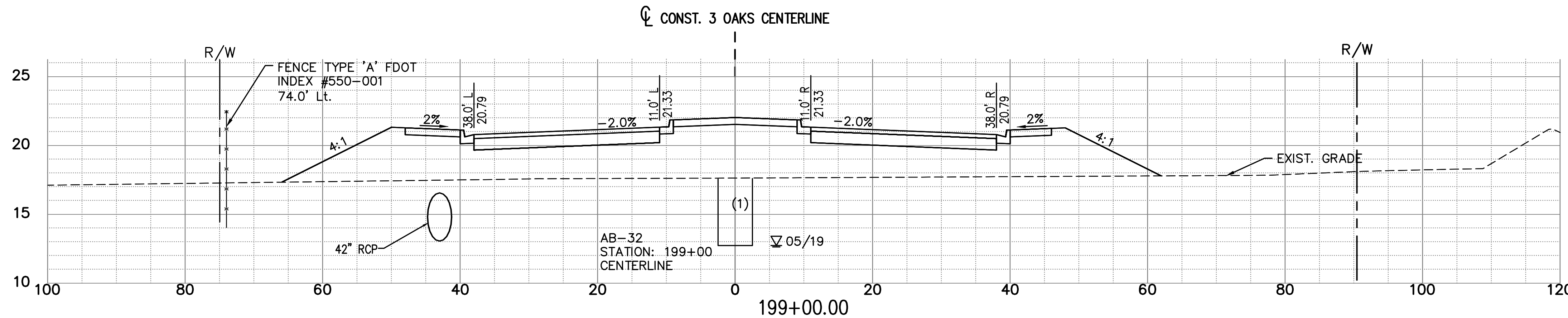
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.

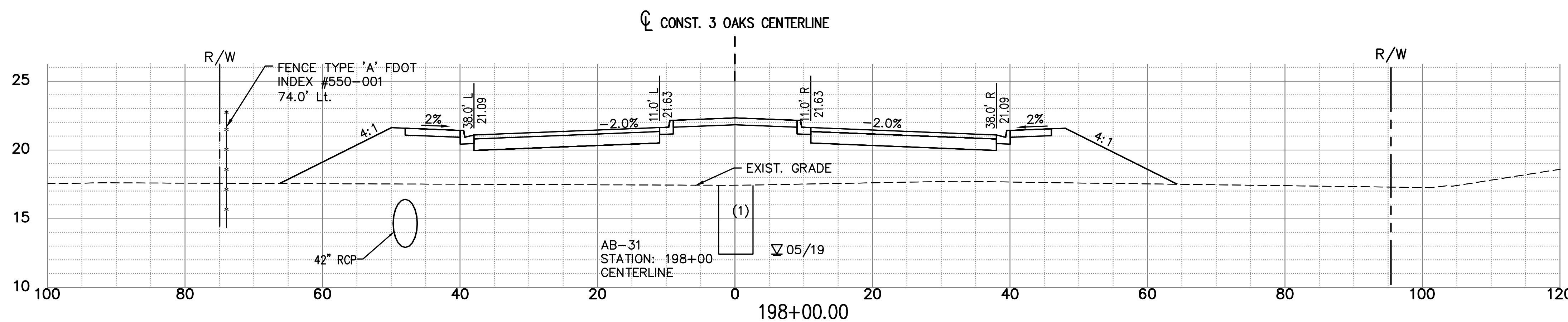
EXC		EMB	
A	V	A	V
0	245	264	70847
0	245	330	69748
0	245	377	68438

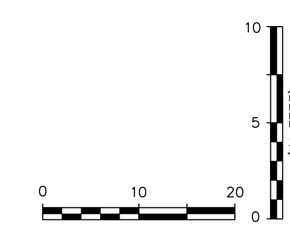


(S-A20)
CONST. CURB INLET TYPE 'J-6' <10'
FDOT Index No. 425-021
STA 200+00.00 (-38.00 L)
LIP (EOP) ELEV=20.87
SUMP=11.20
INV IN(N)= 13.20 36" RCP
INV IN(E)= 15.25 18" RCP
INV OUT (S)= 13.20 42" RCP

(S-A26)
CONST. CURB INLET TYPE 'P-6' <10'
FDOT Index No. 425-021
STA 200+00.00 (39.25 R)
LIP (EOP) ELEV=20.87
SUMP=13.65
INV OUT (W)= 15.65 18" RCP







P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_C.dwg, 88 ROADWAY CROSS SECTIONS, 6/16/2020 12:10:02 PM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

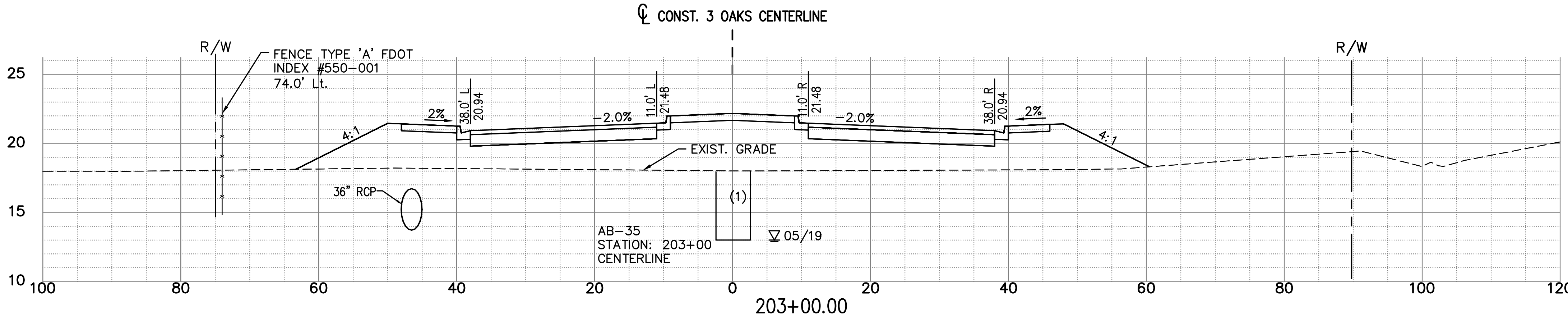
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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

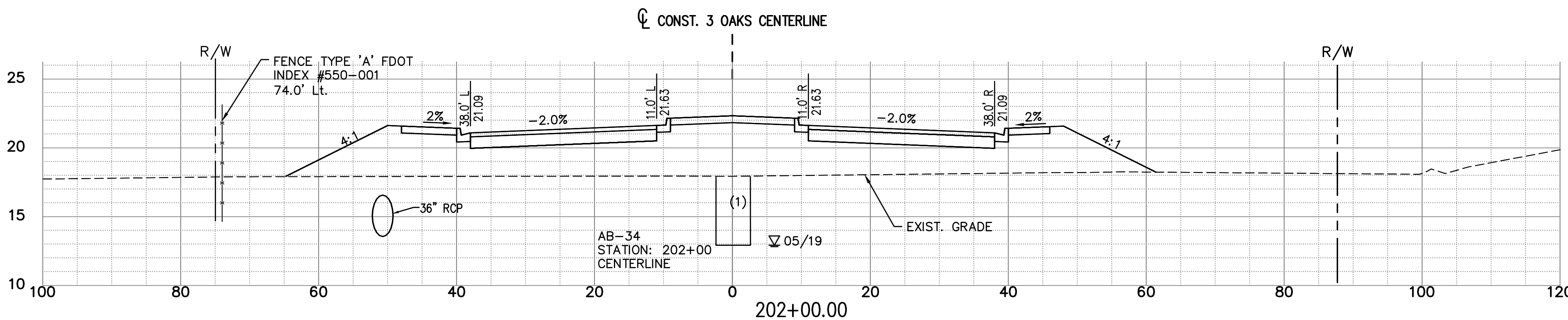
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
88 OF 132

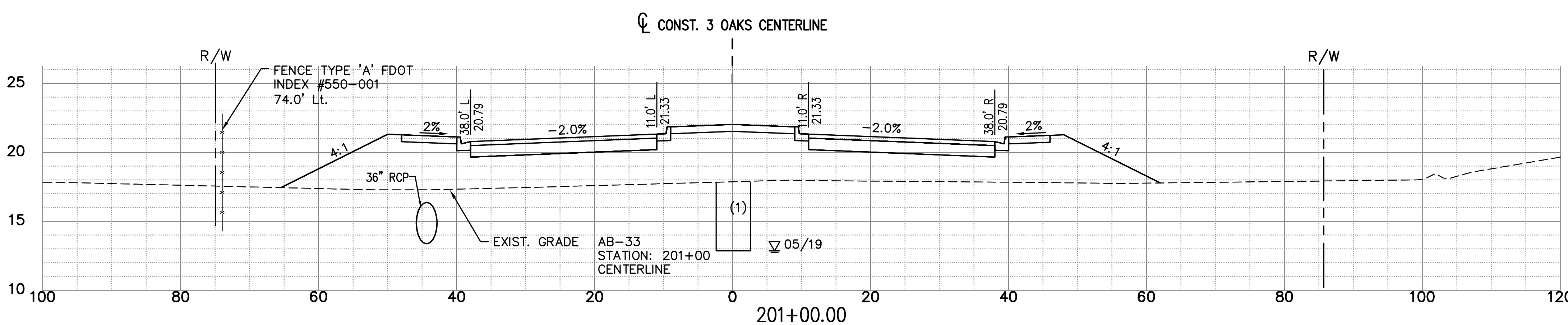
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.



203+00.00

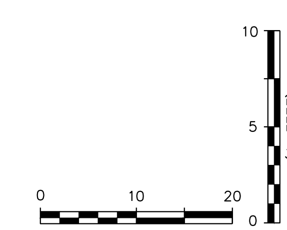


202+00.00



201+00.00

EXC		EMB	
A	V	A	V
0	245	285	74228
0	245	317	73112
0	245	321	71931



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_C.dwg, 89 ROADWAY CROSS SECTIONS, 6/16/2020 12:11:02 PM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT:CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

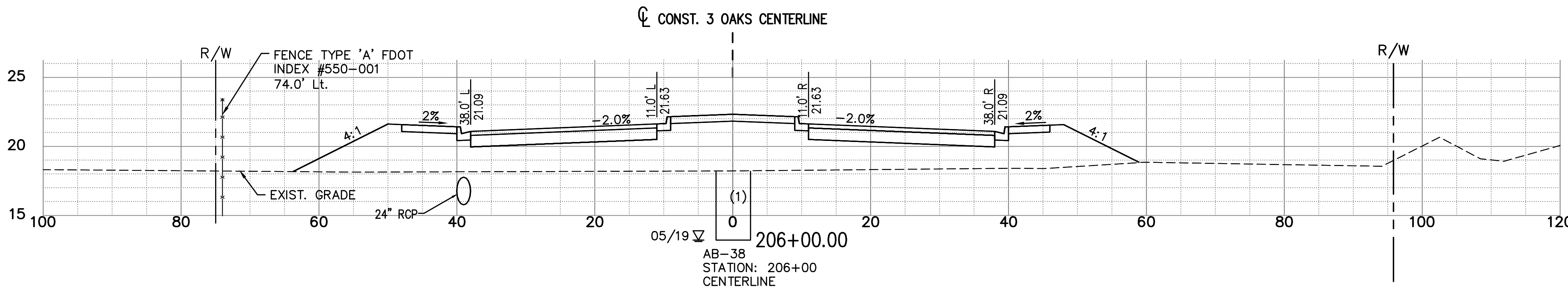
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

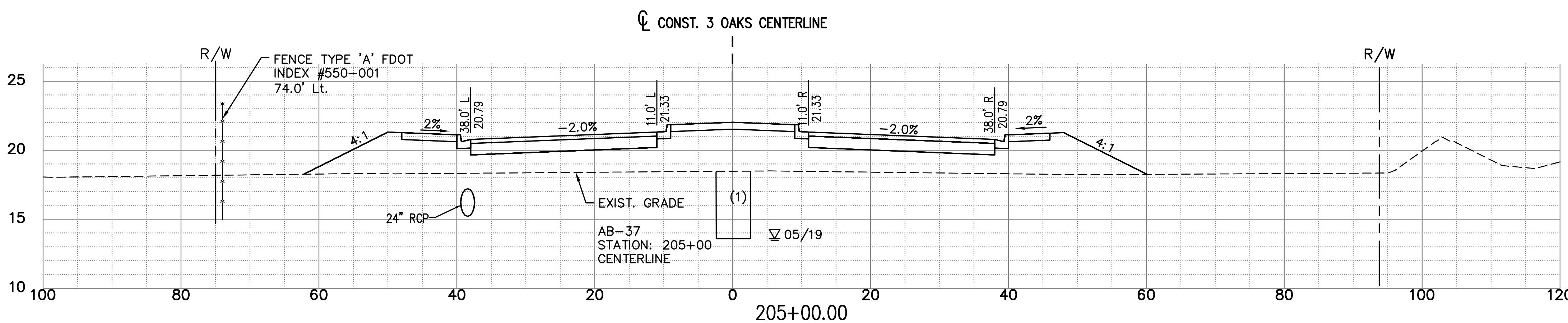
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

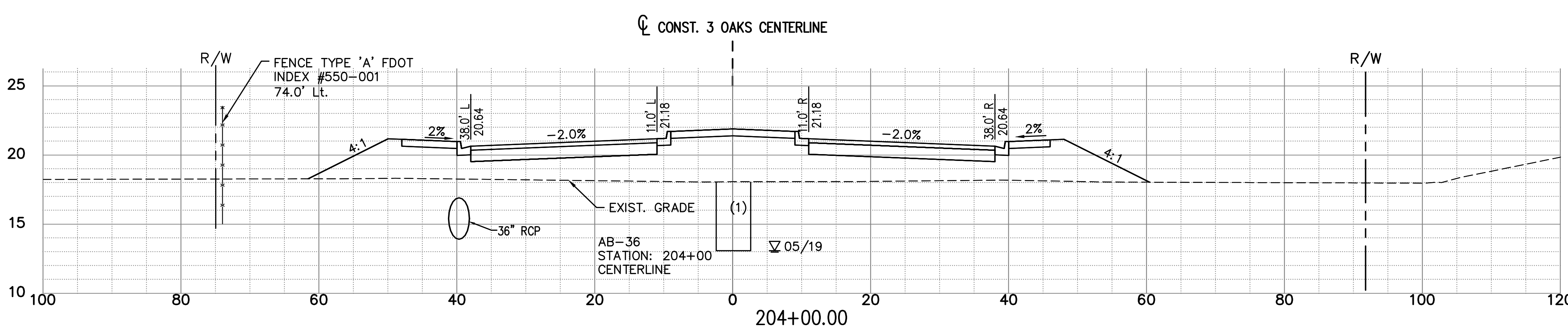
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

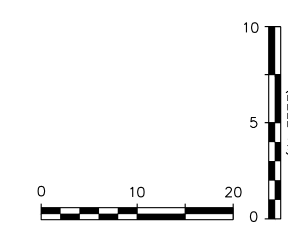
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.







EXC		EMB	
A	V	A	V
0	245	282	77056
0	245	236	76097
0	245	244	75208



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_C.dwg, 90 ROADWAY CROSS SECTIONS, 6/16/2020 12:11:46 PM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

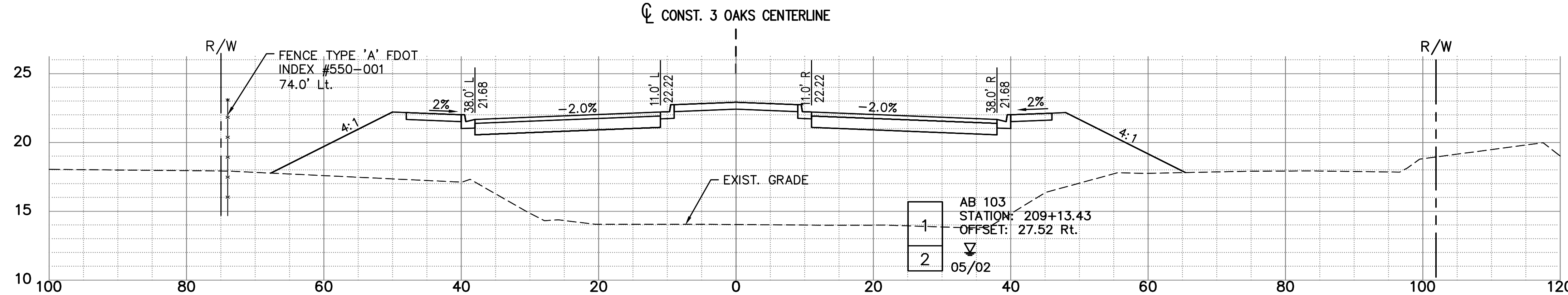
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

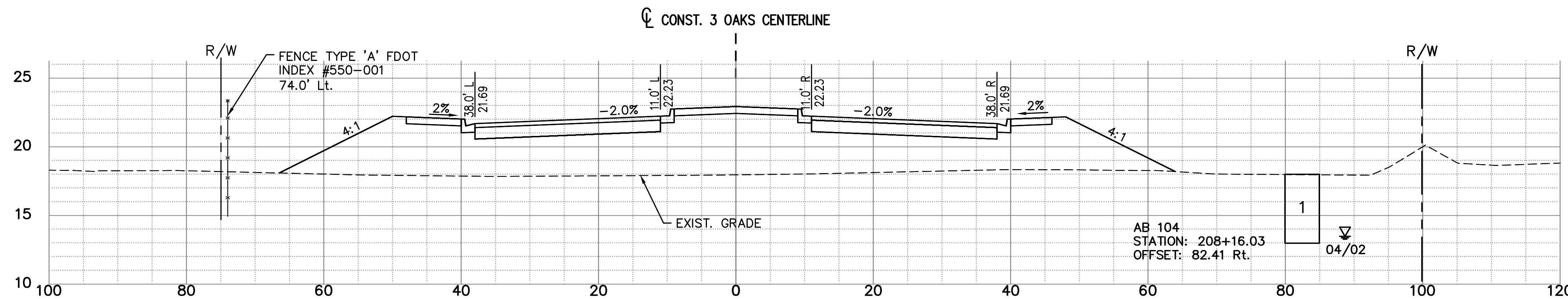
THREE OAKS PARKWAY EXTENSION
PHASE I: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

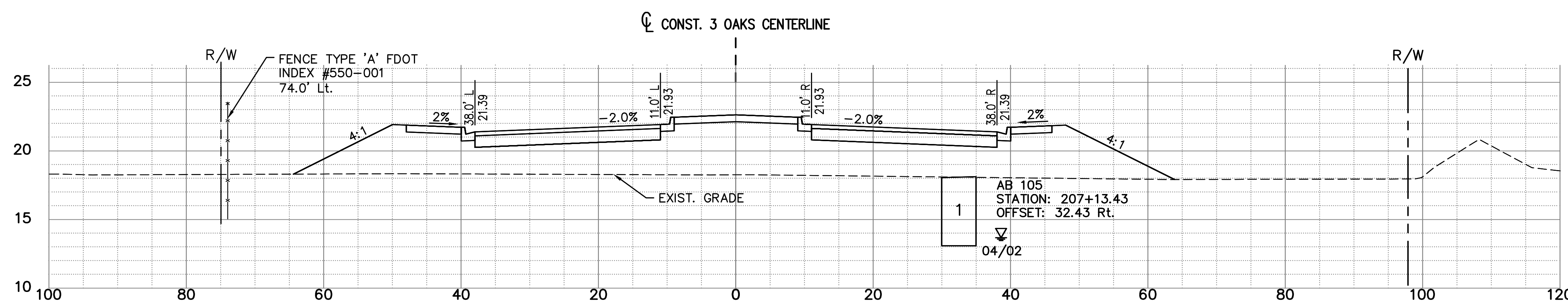
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.



209+00.00

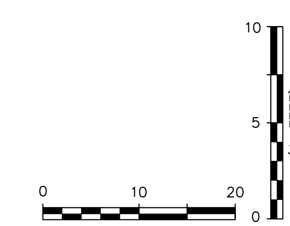


208+00.00



207+00.00

EXC		EMB	
A	V	A	V
0	245	728	81596
0	245	389	79527
0	245	331	78193



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_C.dwg, 91 ROADWAY CROSS SECTIONS, 6/16/2020 12:12:31 PM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

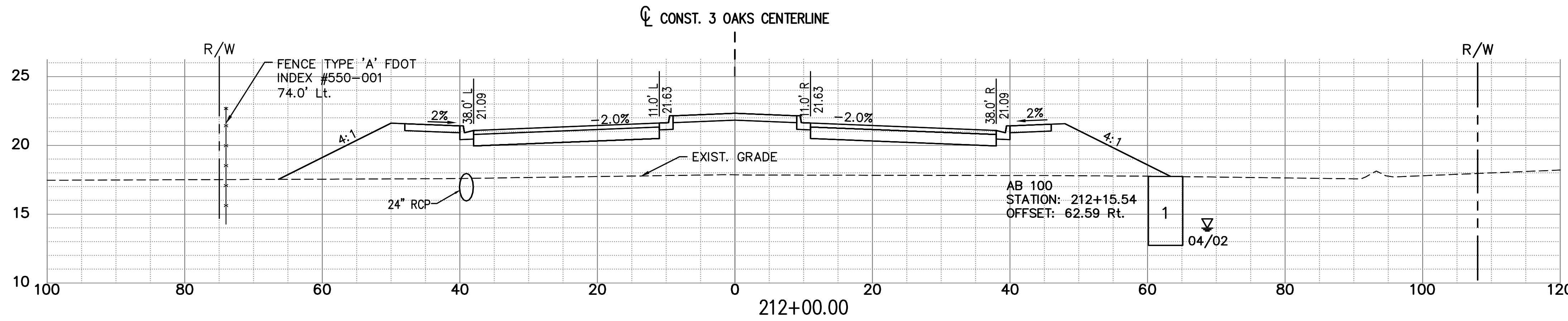
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

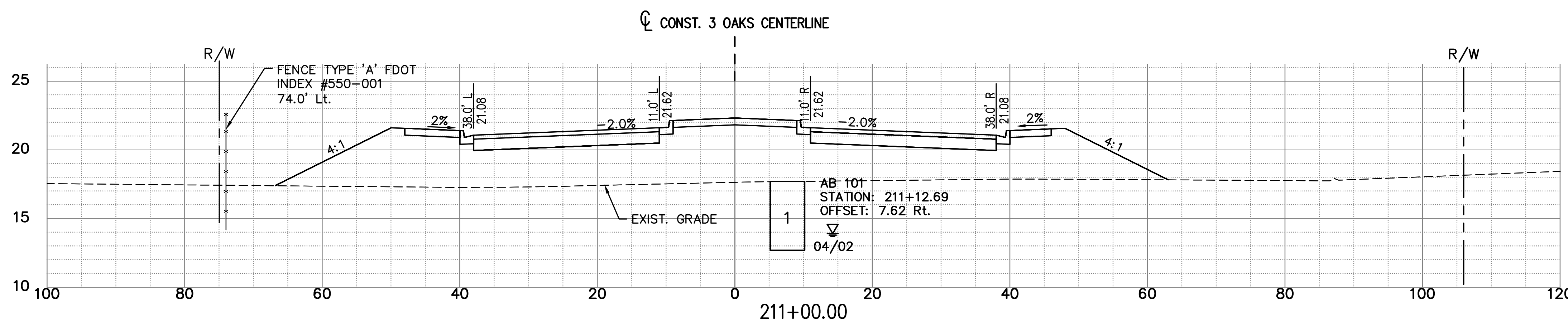
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

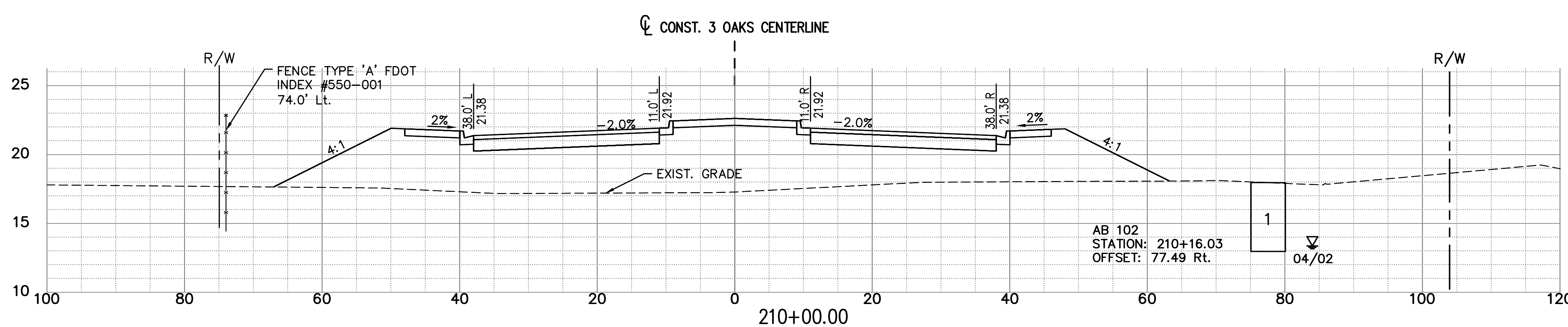
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

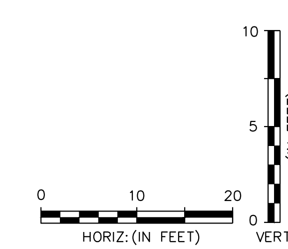
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.

EXC		EMB	
A	V	A	V
0	245	352	86478
0	245	370	85142
0	245	408	83700









P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_C.dwg, 92 ROADWAY CROSS SECTIONS, 6/16/2020 12:13:16 PM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

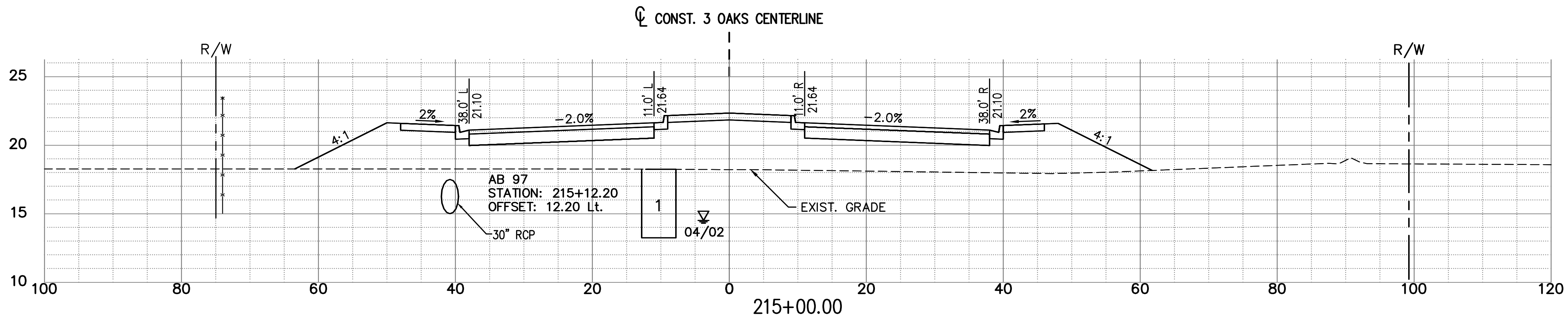
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

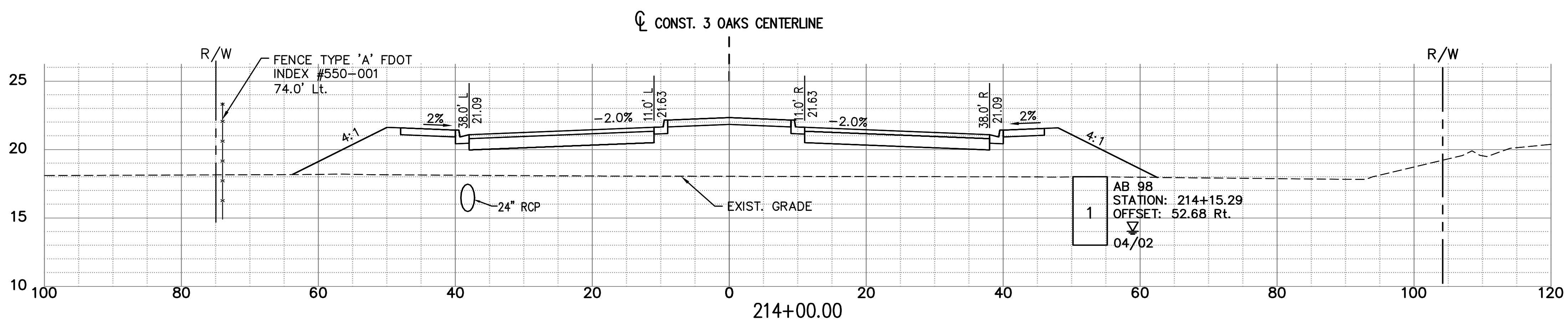
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

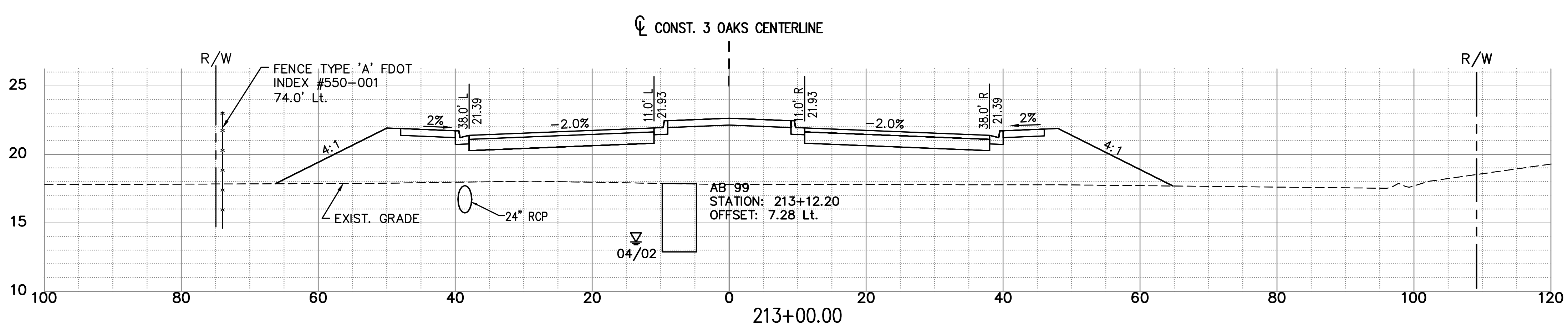
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

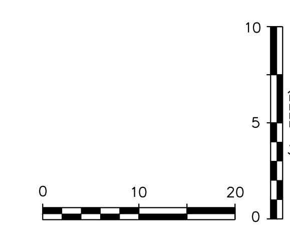
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.







EXC		EMB	
A	V	A	V
0	245	299	90230
0	245	311	89101
0	245	377	87827



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_C.dwg, 93 ROADWAY CROSS SECTIONS, 6/16/2020 12:13:52 PM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

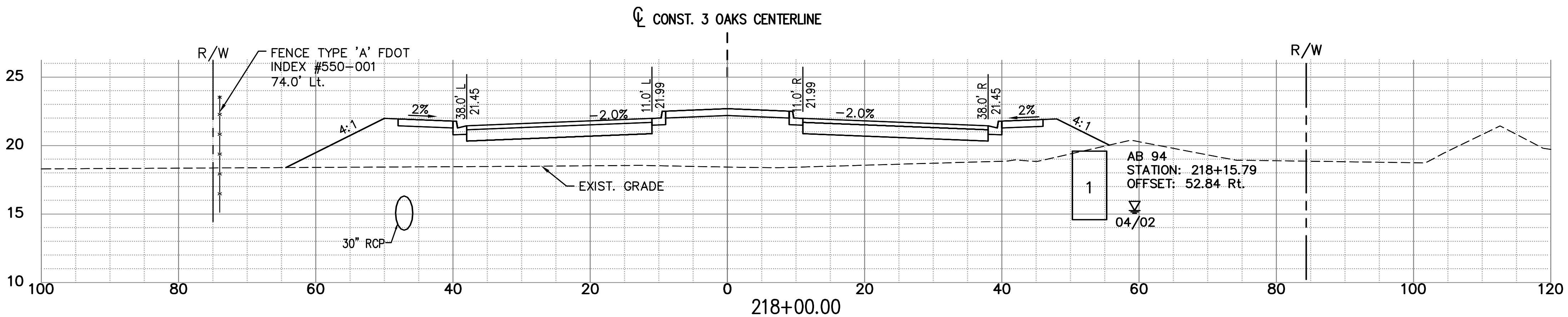
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

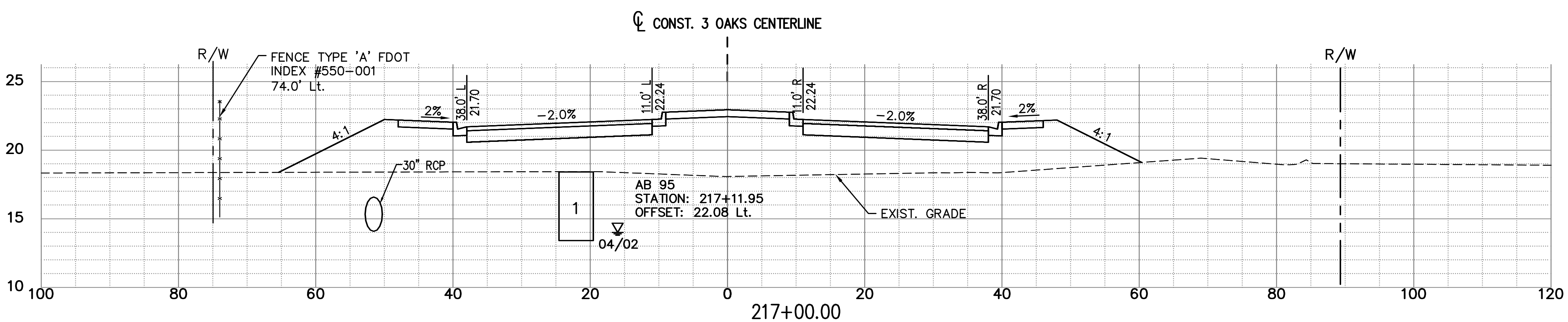
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

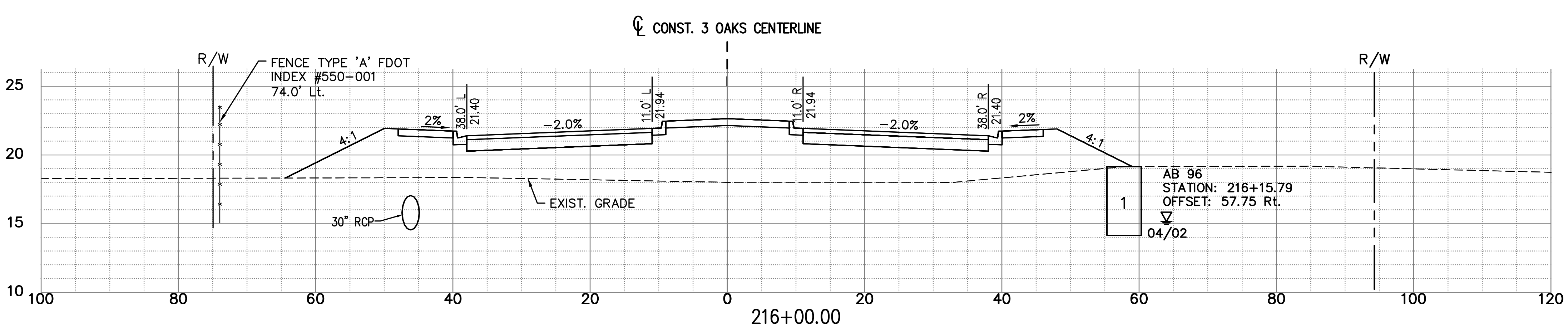
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

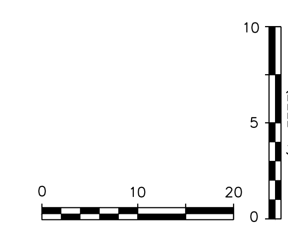
SHEET
93 OF 132

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.









EXC		EMB	
A	V	A	V
0	245	283	93822
0	245	354	92641
0	245	325	91384

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_C.dwg, 94 ROADWAY CROSS SECTIONS, 6/16/2020 12:14:36 PM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

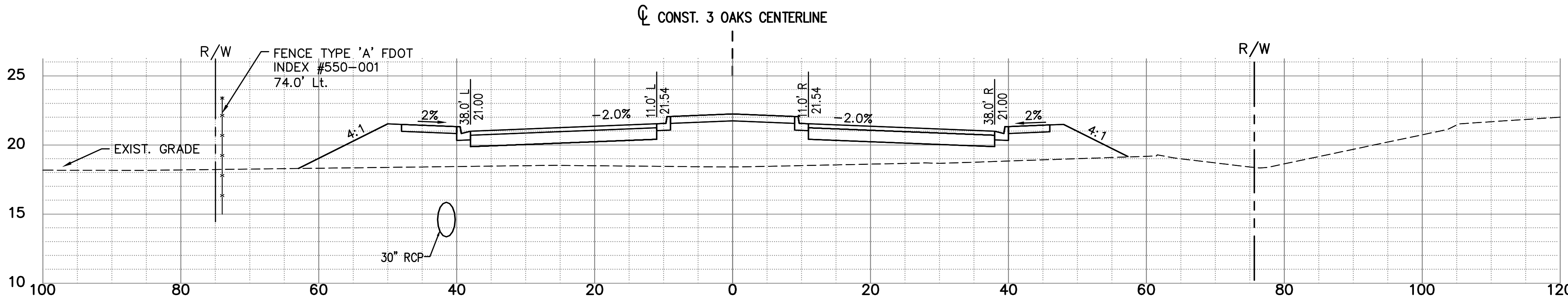
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

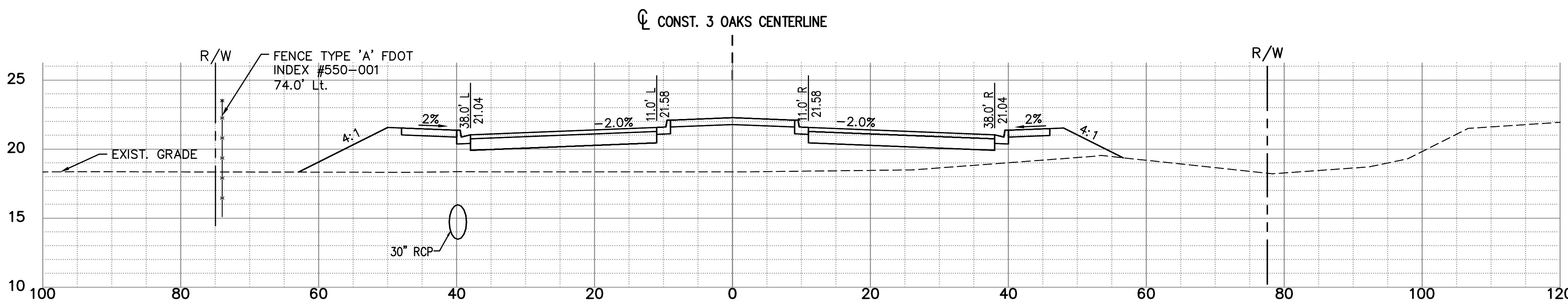
THREE OAKS PARKWAY EXTENSION
PHASE I: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

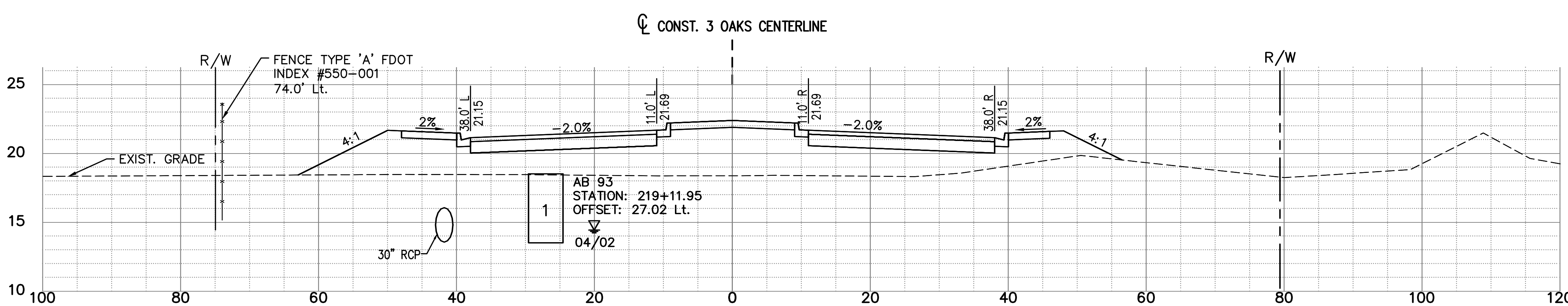
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.



219+86.79

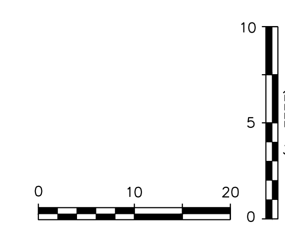


219+37.25



219+00.00

EXC		EMB	
A	V	A	V
0	245	235	95586
0	245	243	95149
0	245	250	94809



DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

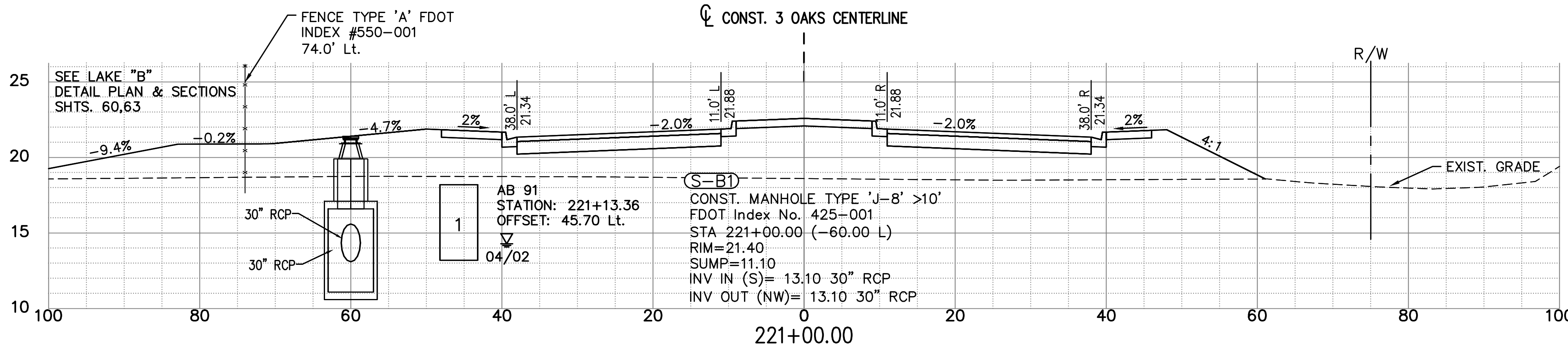
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

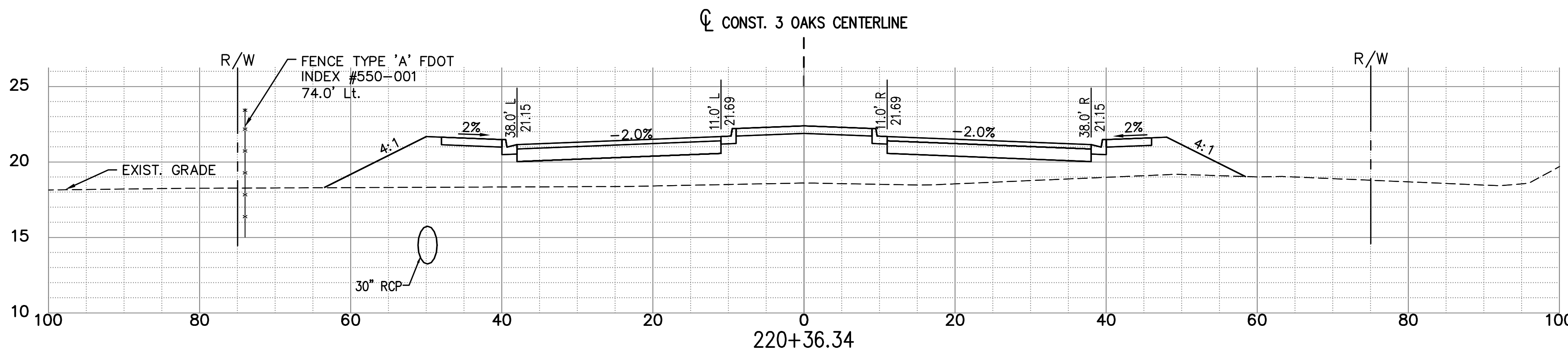
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

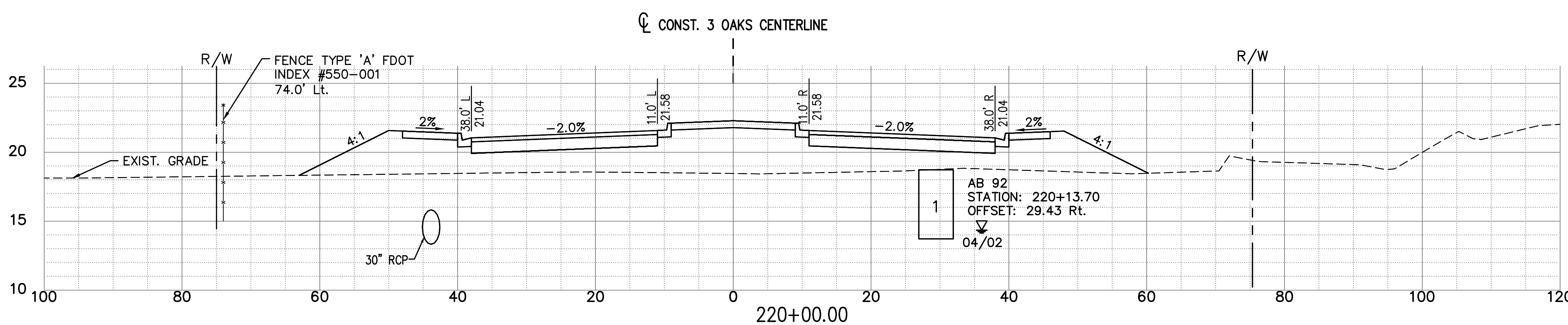
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
95 OF 132

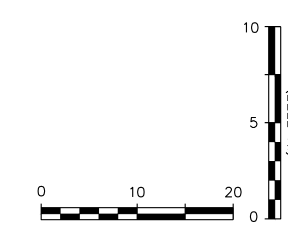
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.







EXC		EMB	
A	V	A	V
0	245	307	96699
0	245	253	96039
0	245	246	95704



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_C.dwg, 96 ROADWAY CROSS SECTIONS, 6/16/2020 12:15:49 PM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

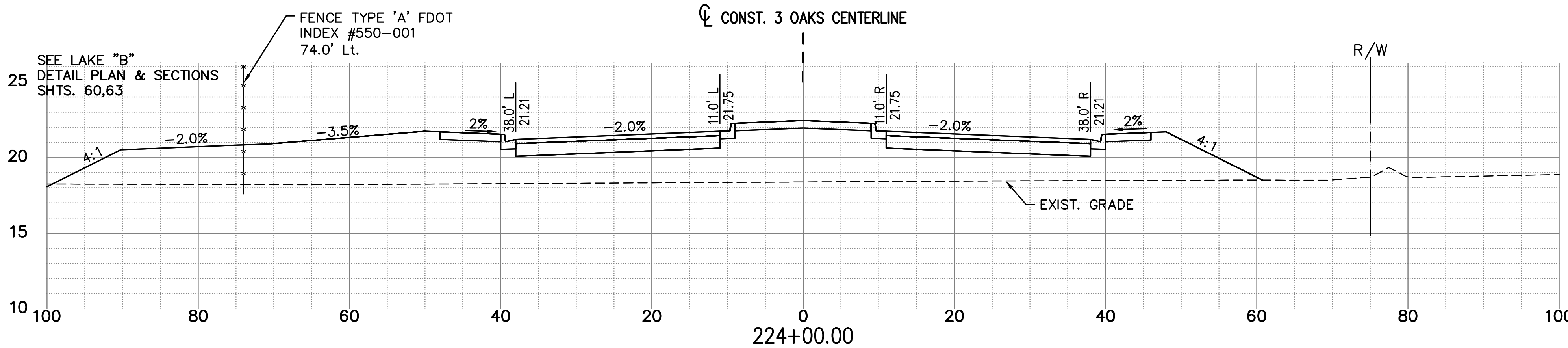
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

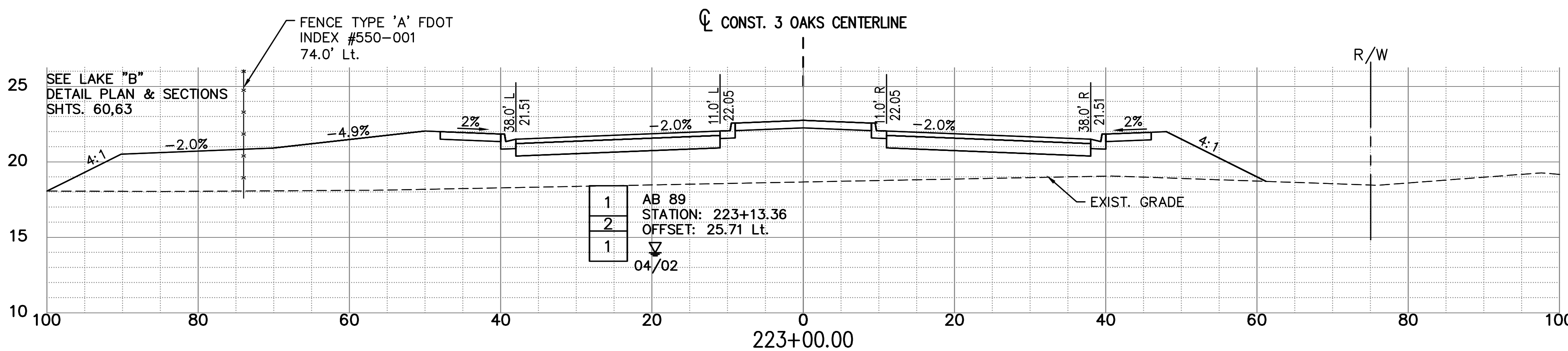
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

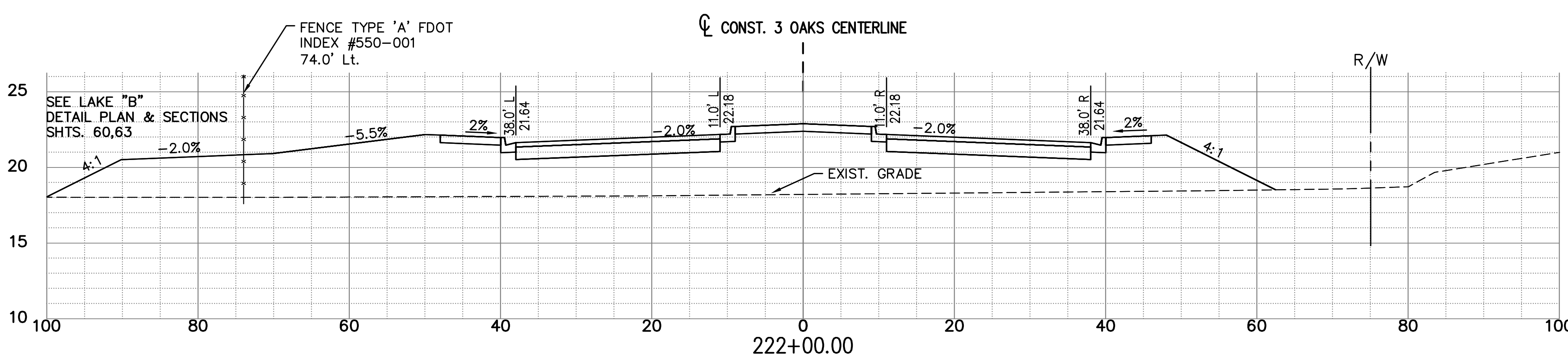
THREE OAKS PARKWAY EXTENSION
PHASE I: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

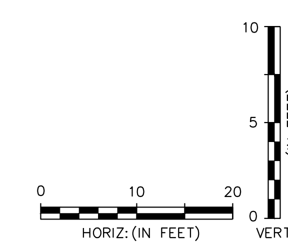
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.







EXC		EMB	
A	V	A	V
0	245	324	100566
0	245	332	99351
0	245	397	98002



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_D.dwg, 97 ROADWAY CROSS SECTIONS, 6/16/2020 12:17:32 PM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

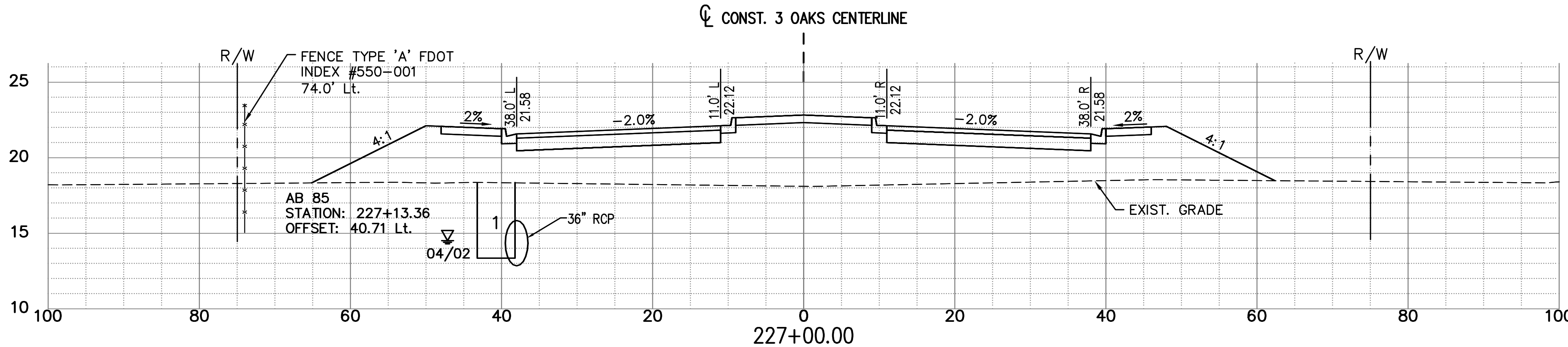
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

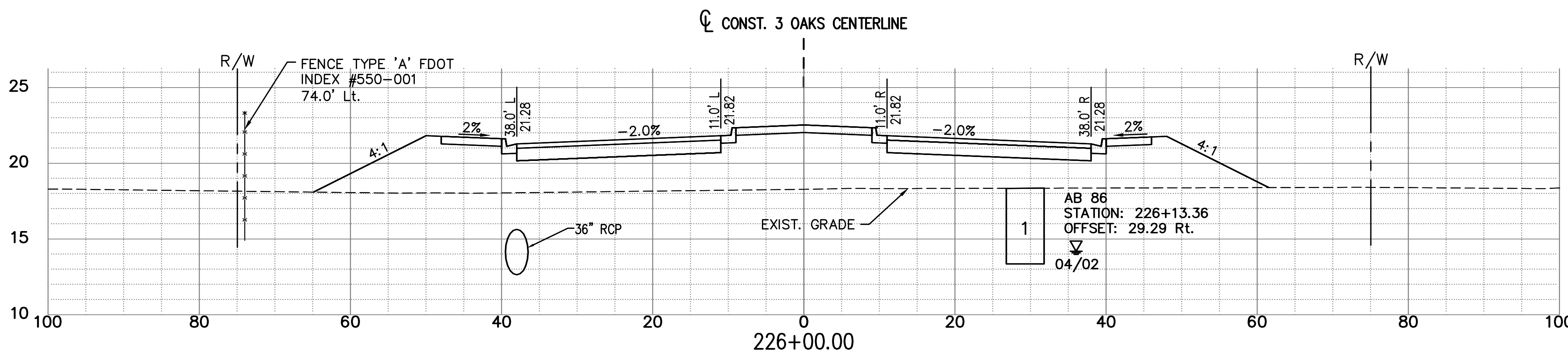
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

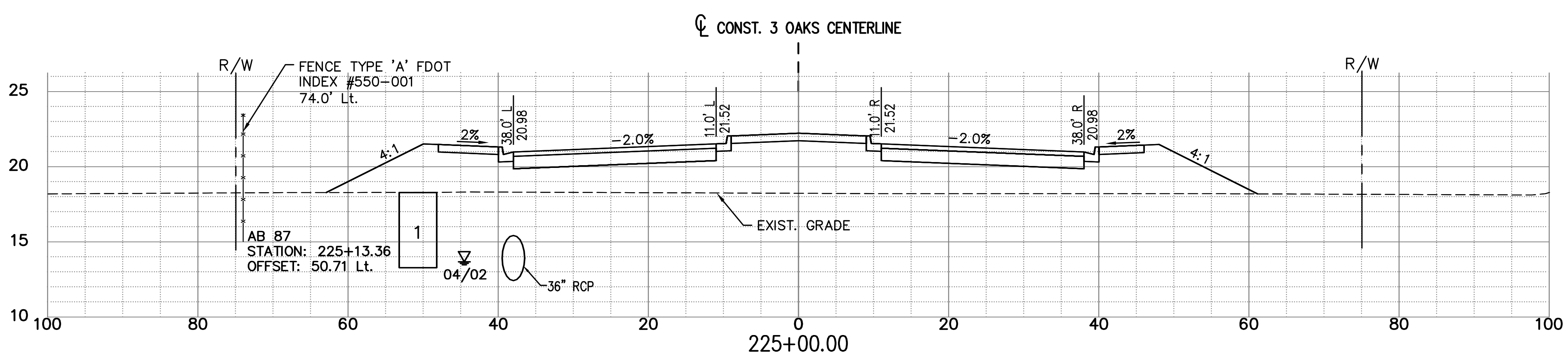
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
97 OF 132

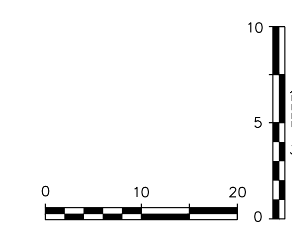
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.







EXC		EMB	
A	V	A	V
0	245	341	103977
0	245	314	102766
0	245	275	101676



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_D.dwg, 98 ROADWAY CROSS SECTIONS, 6/16/2020 12:18:16 PM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
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

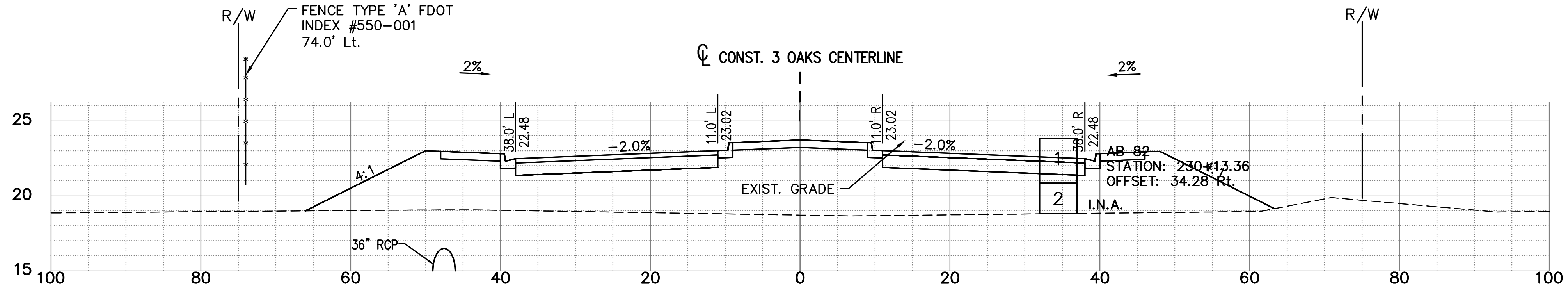
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

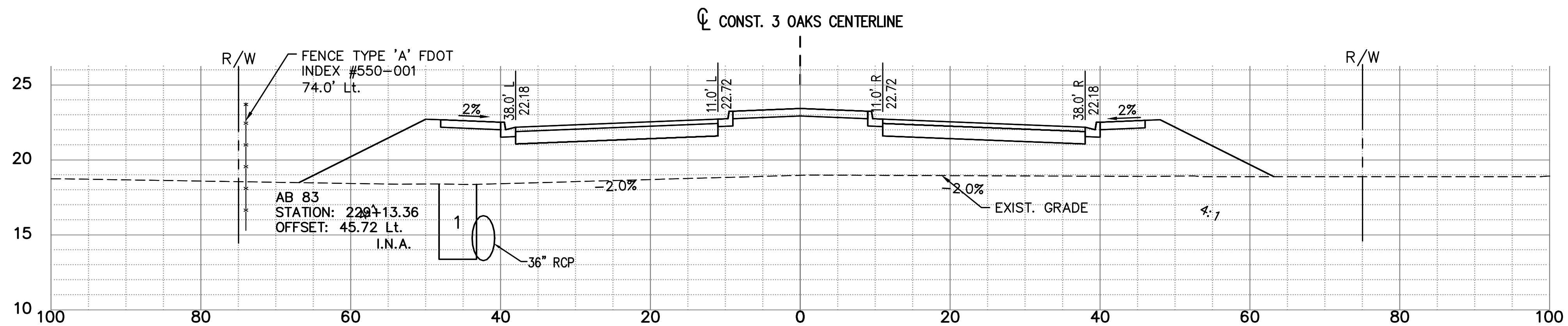
SHEET
98 OF 132

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.

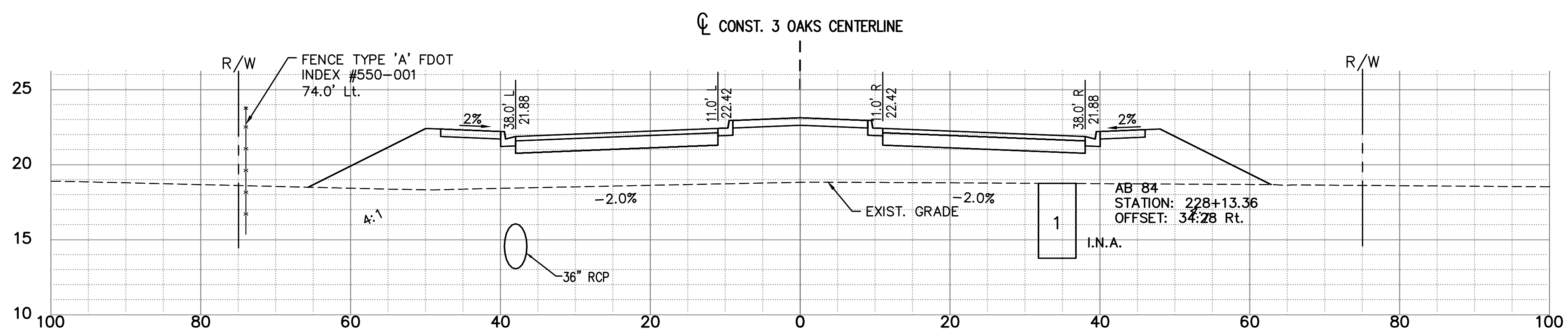
EXC		EMB	
A	V	A	V
0	245	385	107915
0	245	363	106530
0	245	338	105233



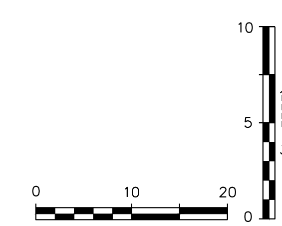
230+00.00



229+00.00



228+00.00



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_D.dwg, 99 ROADWAY CROSS SECTIONS, 6/16/2020 12:19:01 PM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

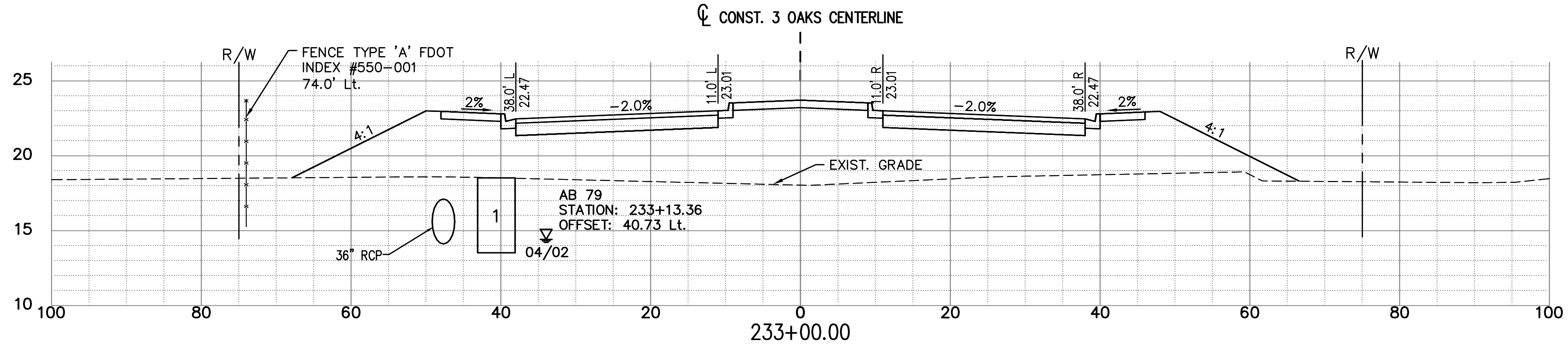
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

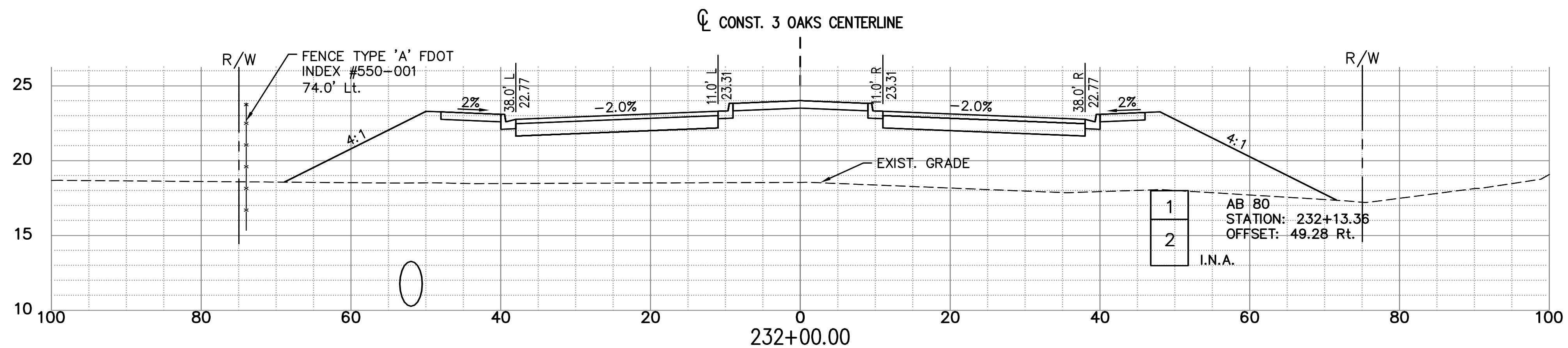
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

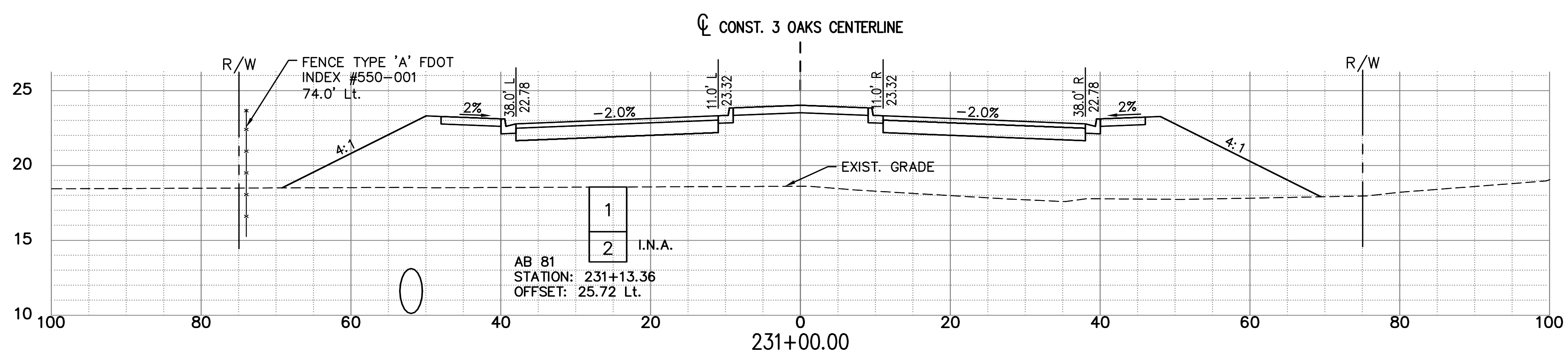
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

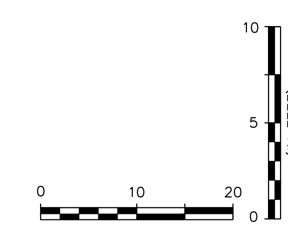
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.







EXC		EMB	
A	V	A	V
0	245	437	113202
0	245	505	111456
0	245	511	109574



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_D.dwg, 100 ROADWAY CROSS SECTIONS, 6/16/2020 12:19:38 PM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

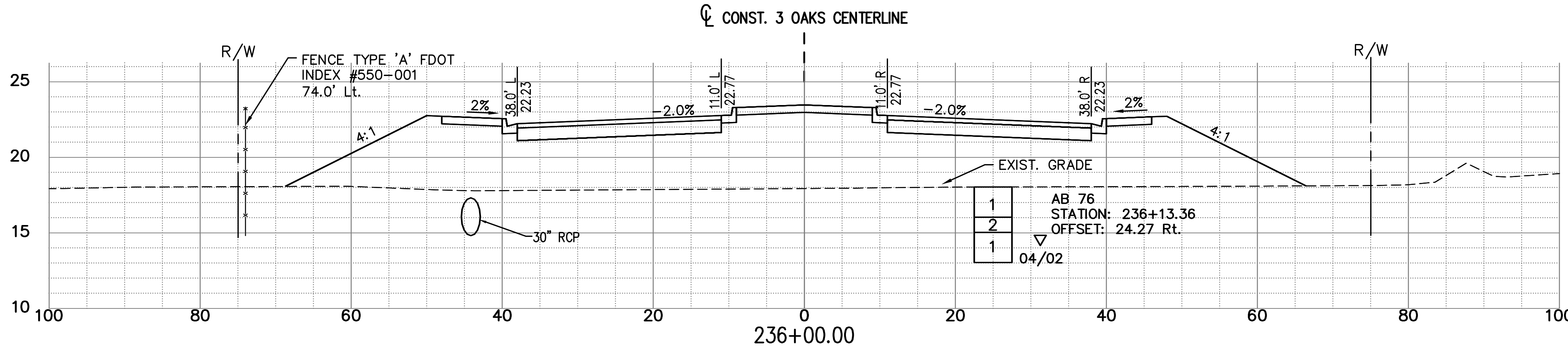
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

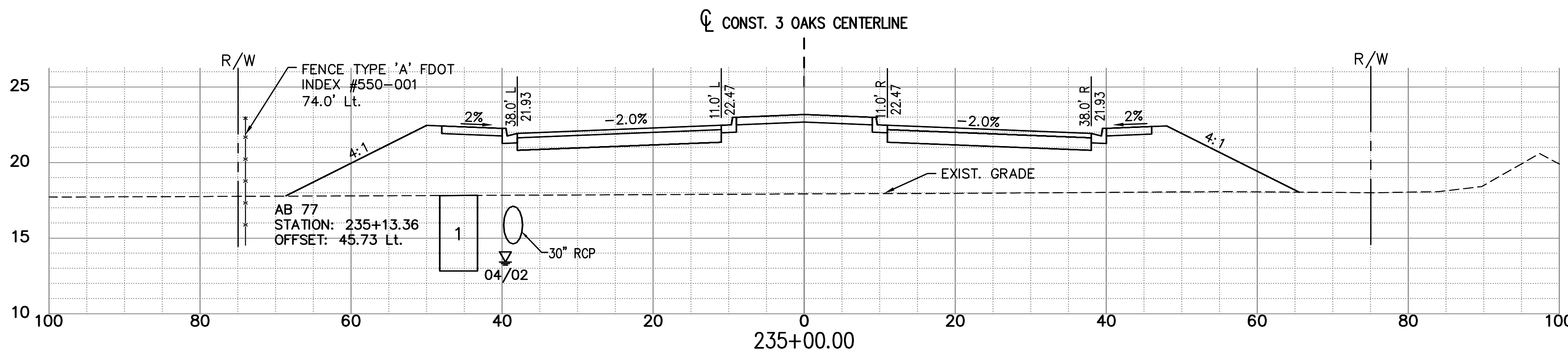
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

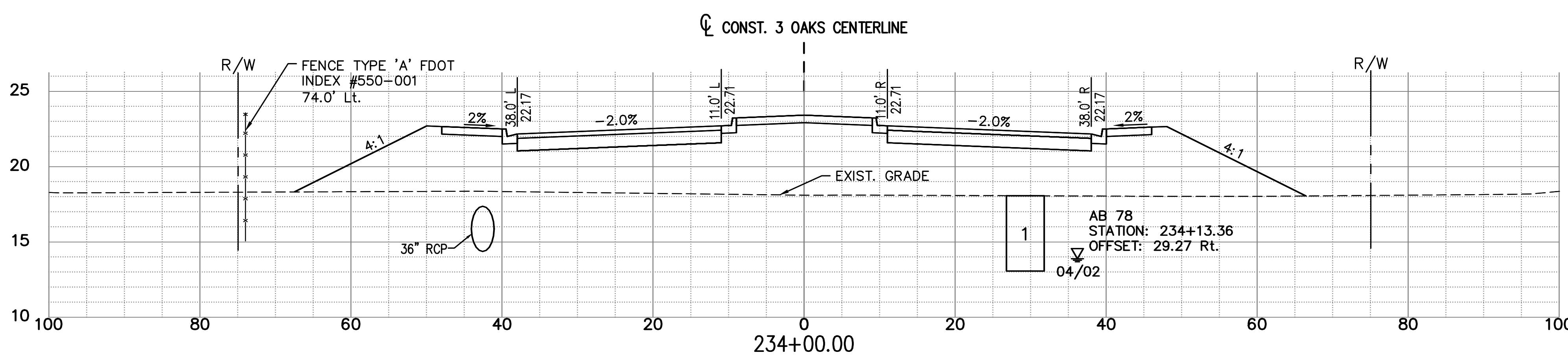
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

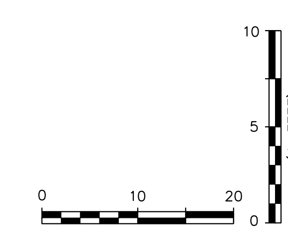
P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_D.dwg, 101 ROADWAY CROSS SECTIONS, 6/16/2020 12:20:21 PM, Avalon Engineering Inc.

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.









EXC		EMB	
A	V	A	V
0	245	472	118130
0	245	438	116443
0	245	437	114822

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

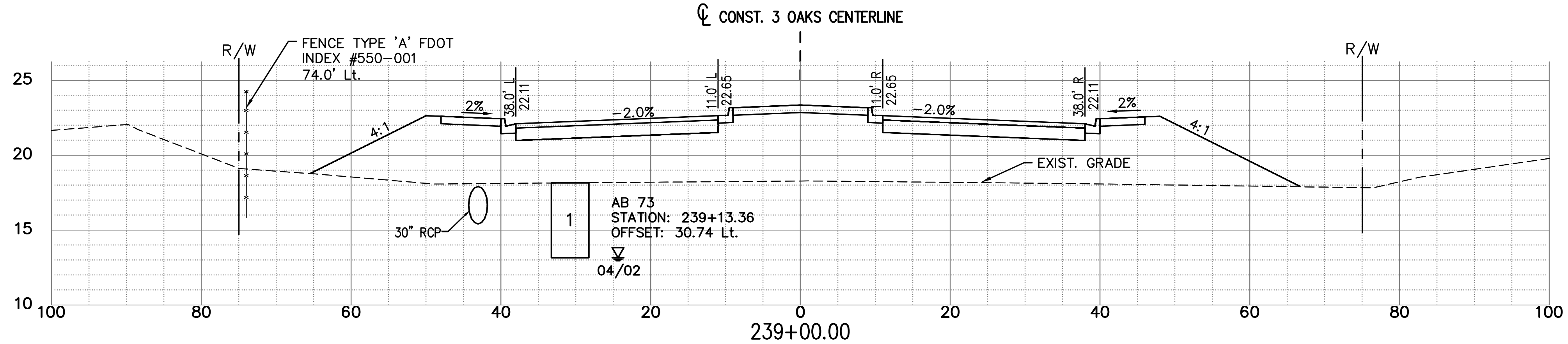
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

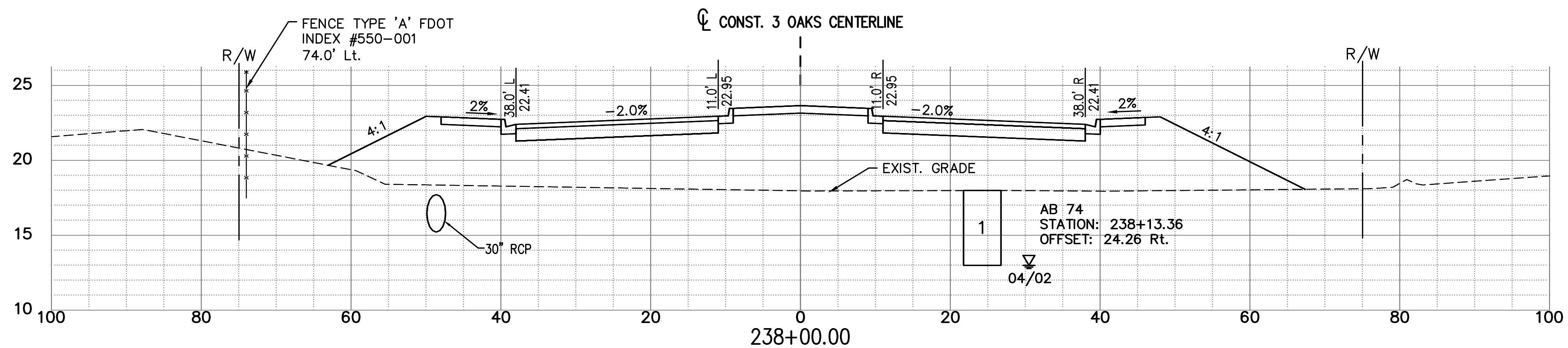
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

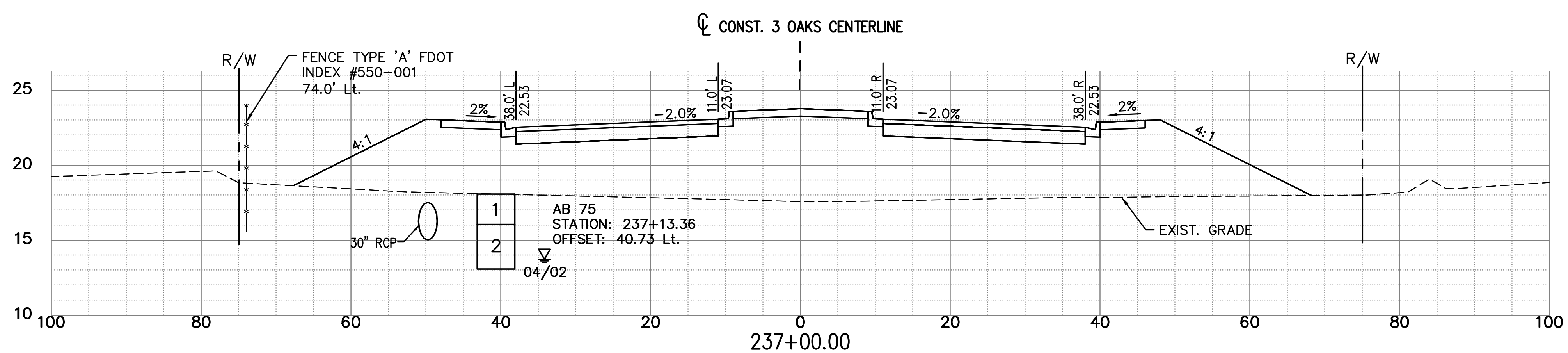
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET

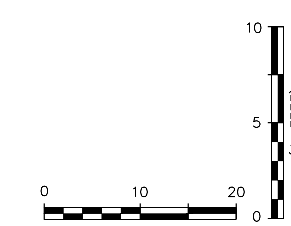
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.







EXC		EMB	
A	V	A	V
0	245	427	123467
0	245	469	121806
0	245	522	119971



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_D.dwg, 102 ROADWAY CROSS SECTIONS, 6/16/2020 12:20:58 PM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
LEE COUNTY DOT PROJECT:CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

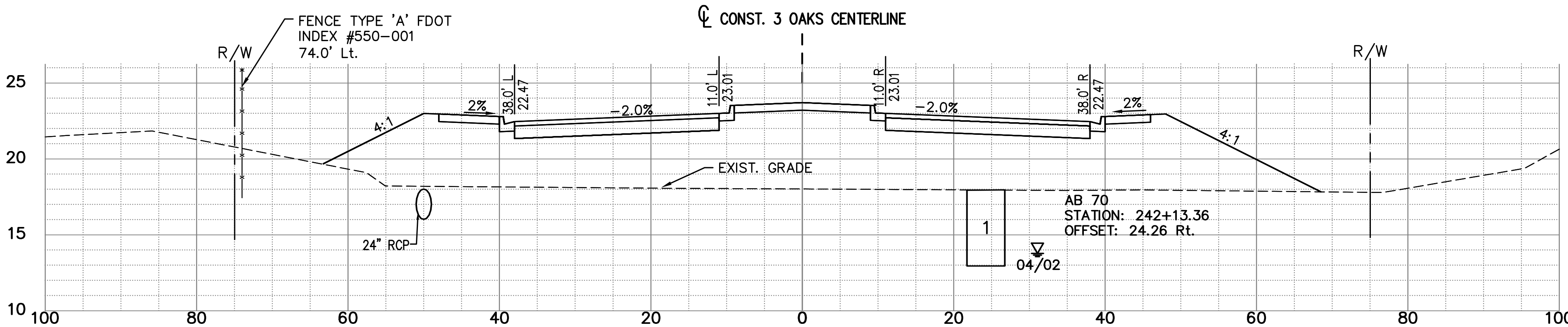
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

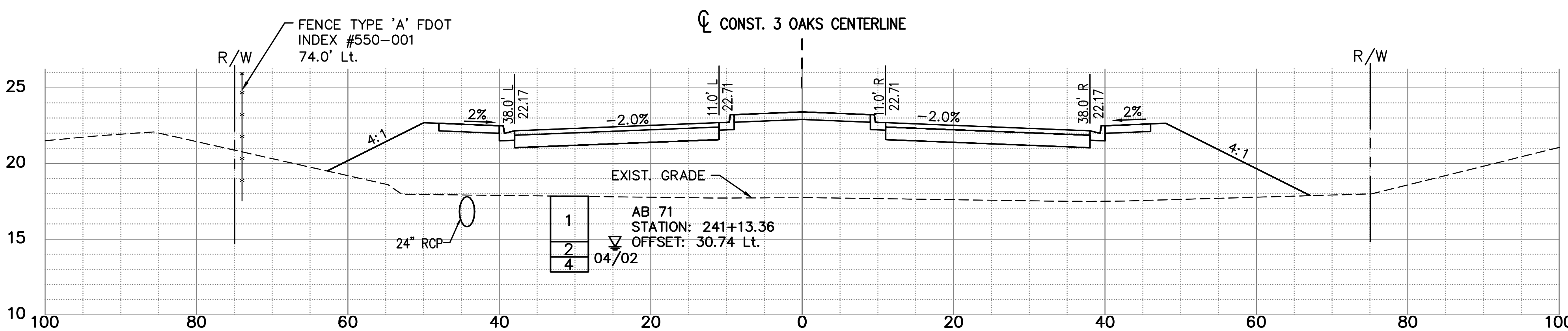
THREE OAKS PARKWAY EXTENSION
PHASE I: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

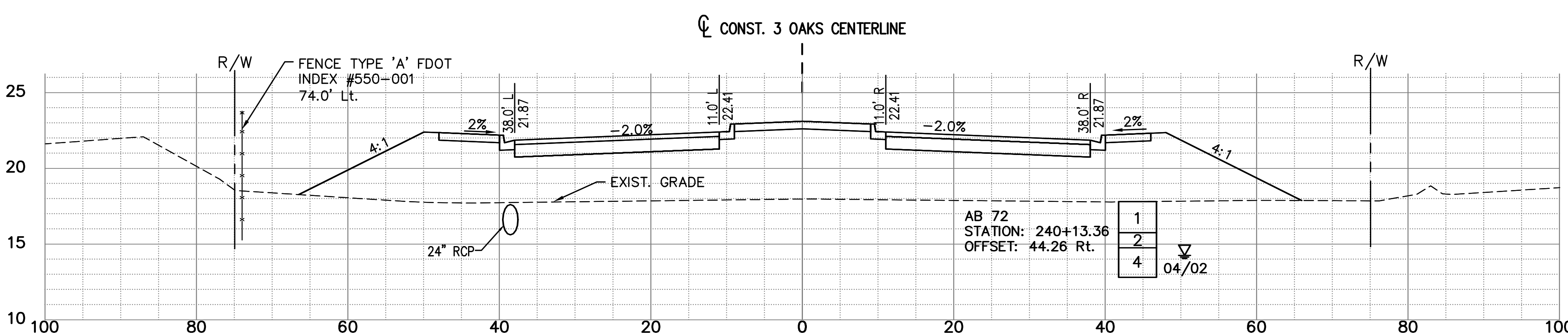
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.



242+00.00



241+00.00



240+00.00

EXC		EMB	
A	V	A	V
0	245	483	128547
0	245	480	126763
0	245	436	125066

0 10 20
HORIZ: (IN FEET)
10 5 0
VERT: (IN FEET)

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_D.dwg, 103 ROADWAY CROSS SECTIONS, 6/16/2020 12:21:41 PM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

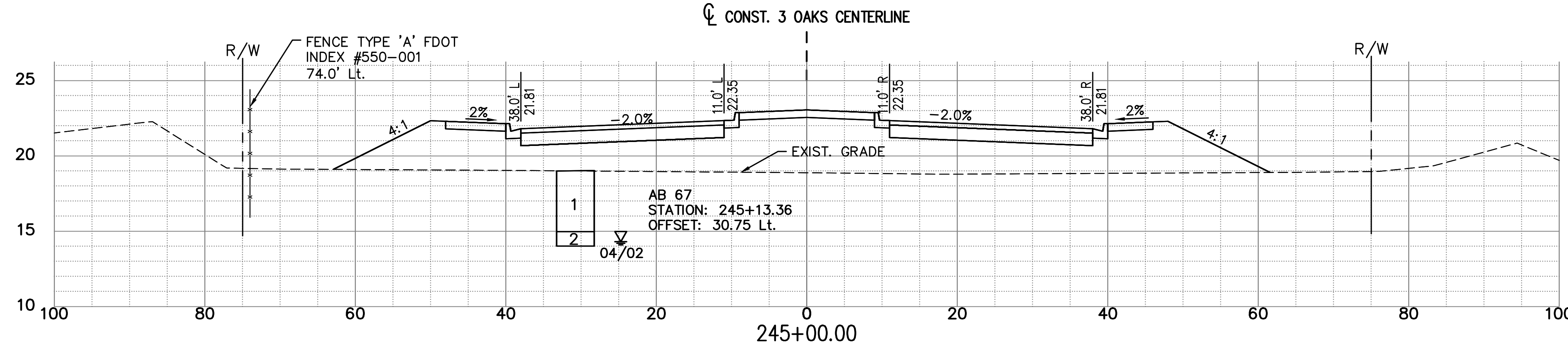
THREE OAKS PARKWAY EXTENSION
PHASE I: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

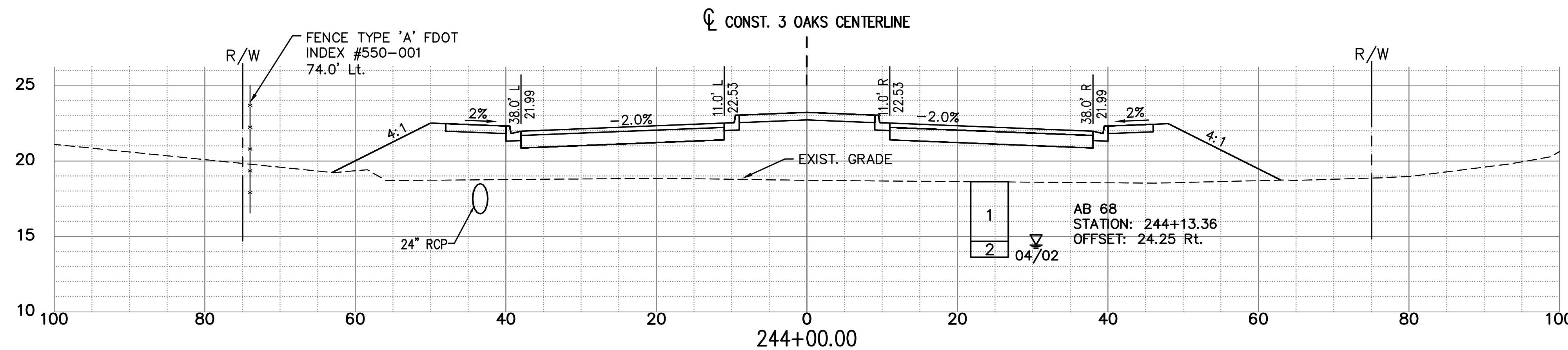
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

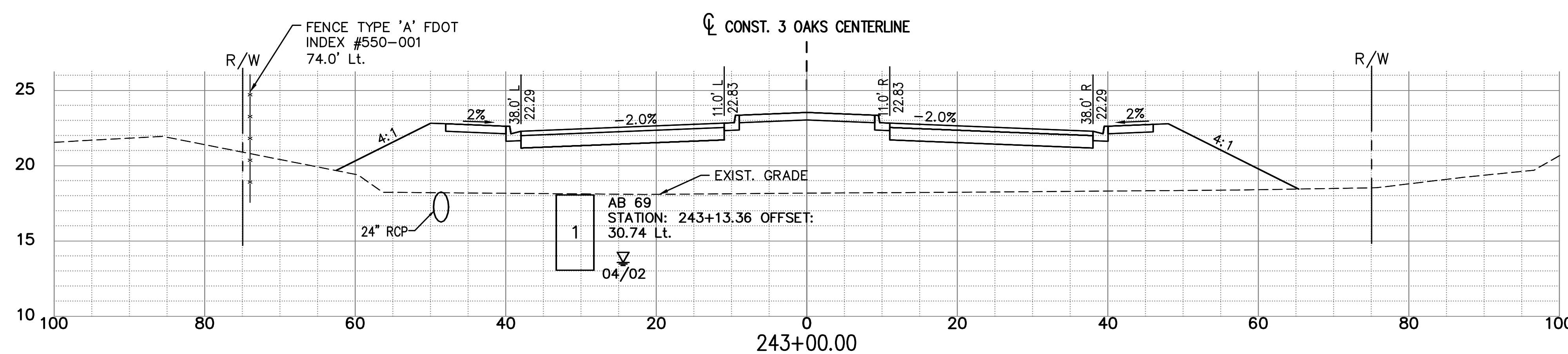
SHEET
103 OF 132

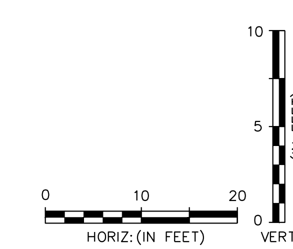
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.

EXC		EMB	
A	V	A	V
0	245	293	132856
0	245	339	131685
0	245	436	130249









P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_D.dwg, 104 ROADWAY CROSS SECTIONS, 6/16/2020 12:22:26 PM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
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

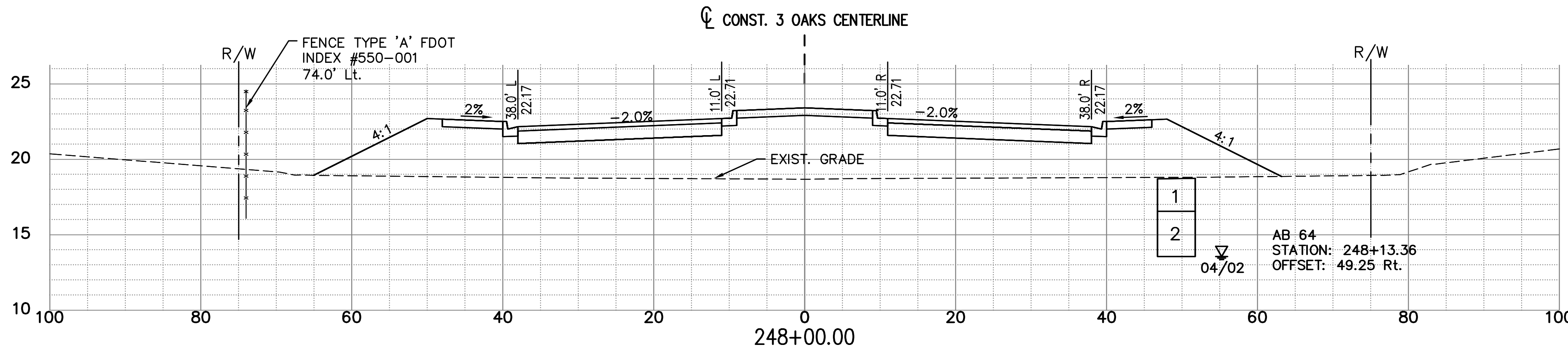
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

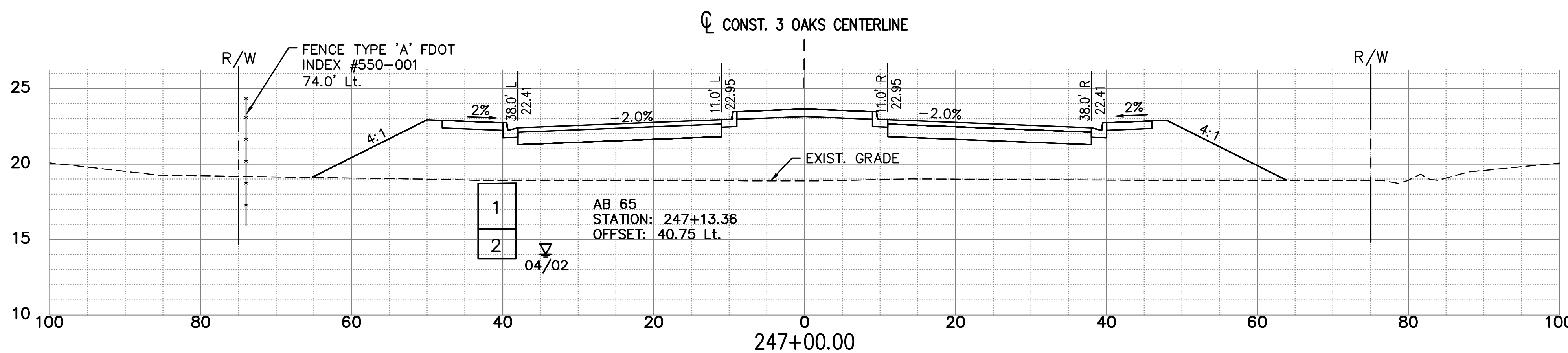
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

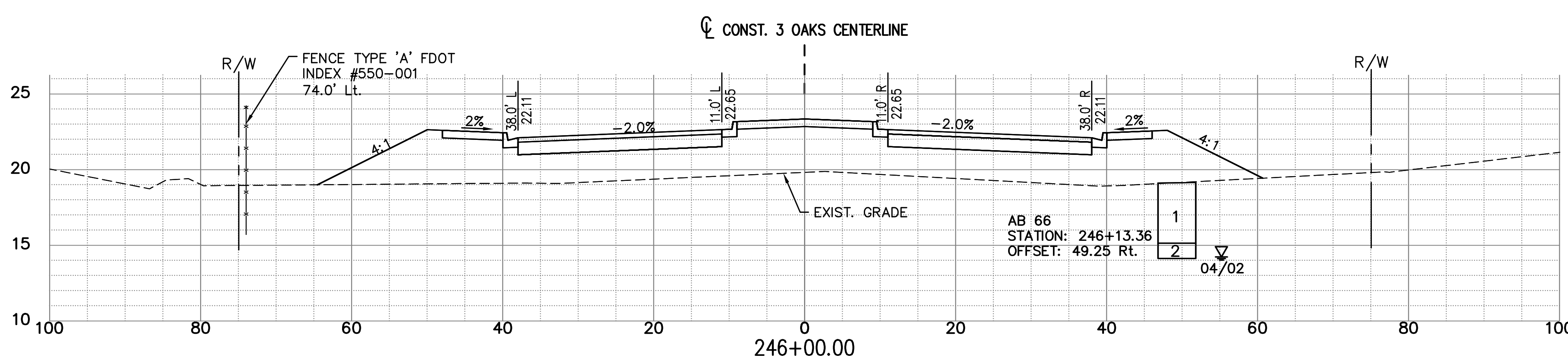
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
104 OF 132

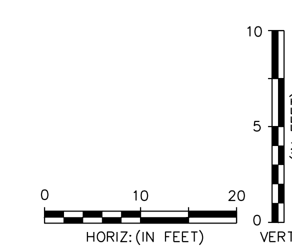
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.







EXC		EMB	
A	V	A	V
0	245	357	136466
0	245	366	135127
0	245	284	133923



DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

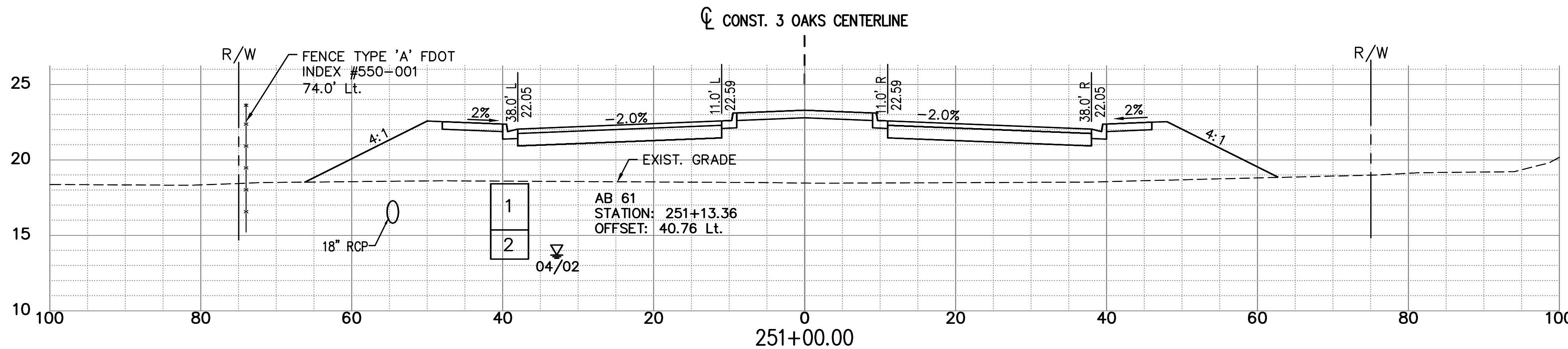
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

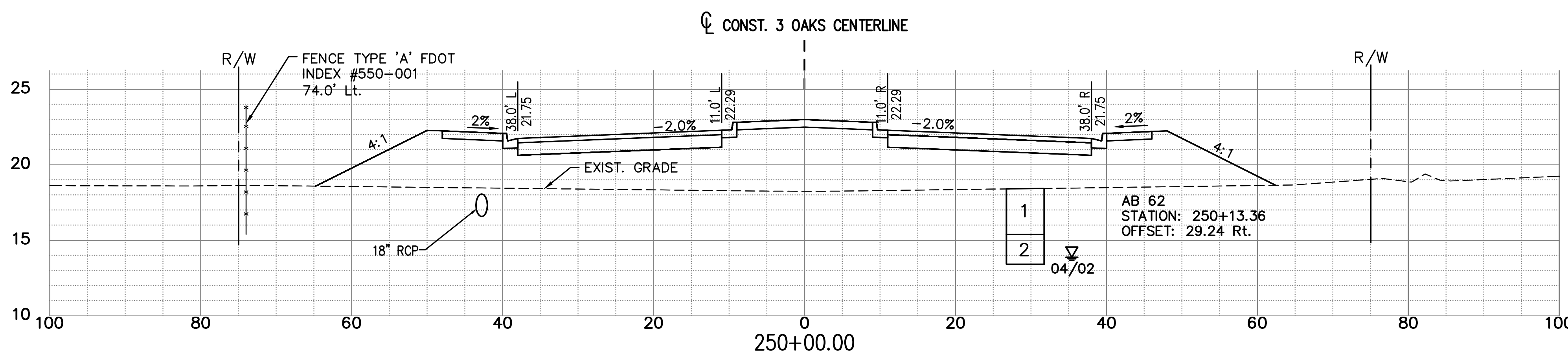
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

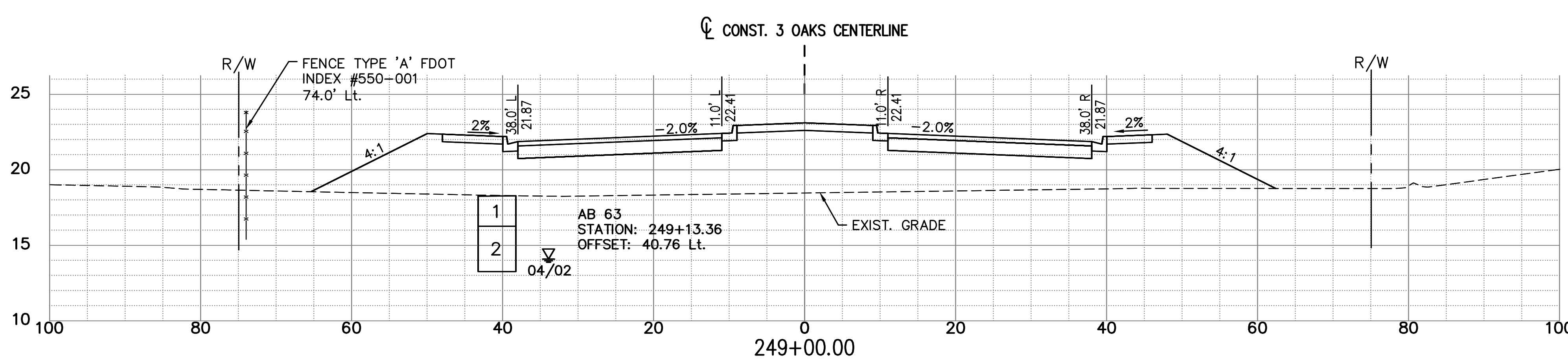
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
105 OF 132

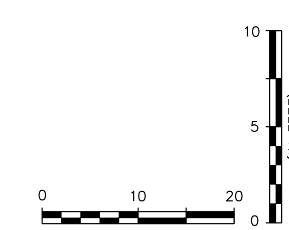
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.







EXC		EMB	
A	V	A	V
0	245	369	140410
0	245	349	139080
0	245	353	137780



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_D.dwg, 106 ROADWAY CROSS SECTIONS, 6/16/2020 12:23:48 PM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

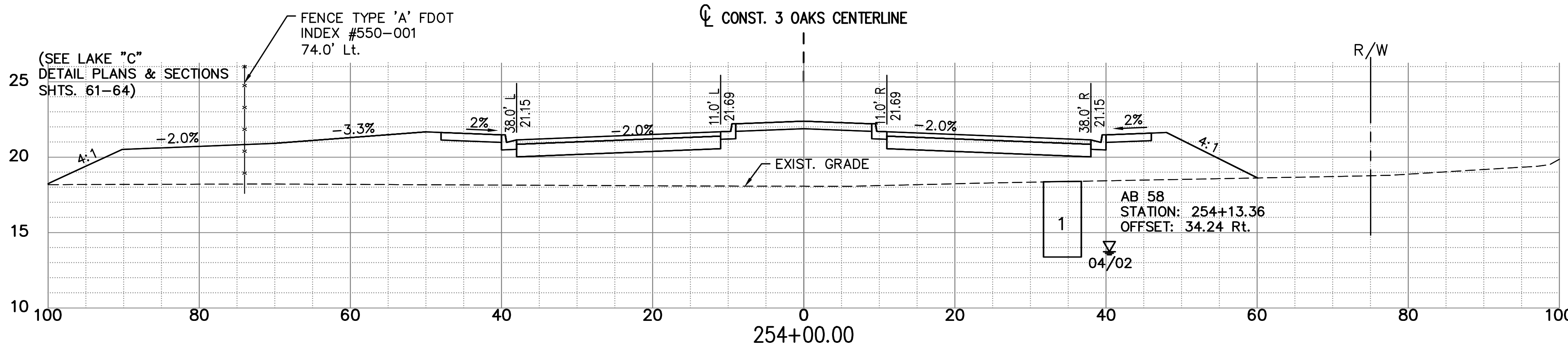
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

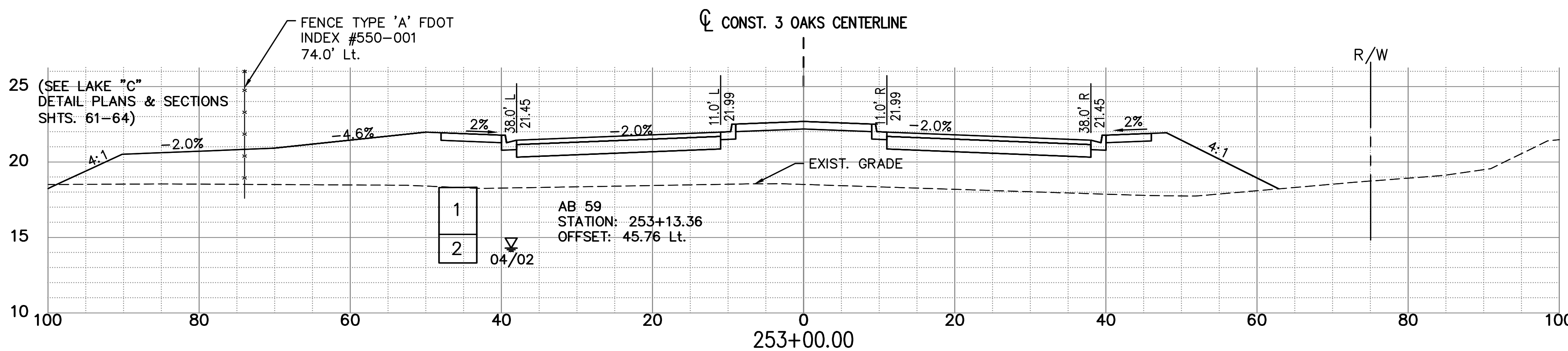
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

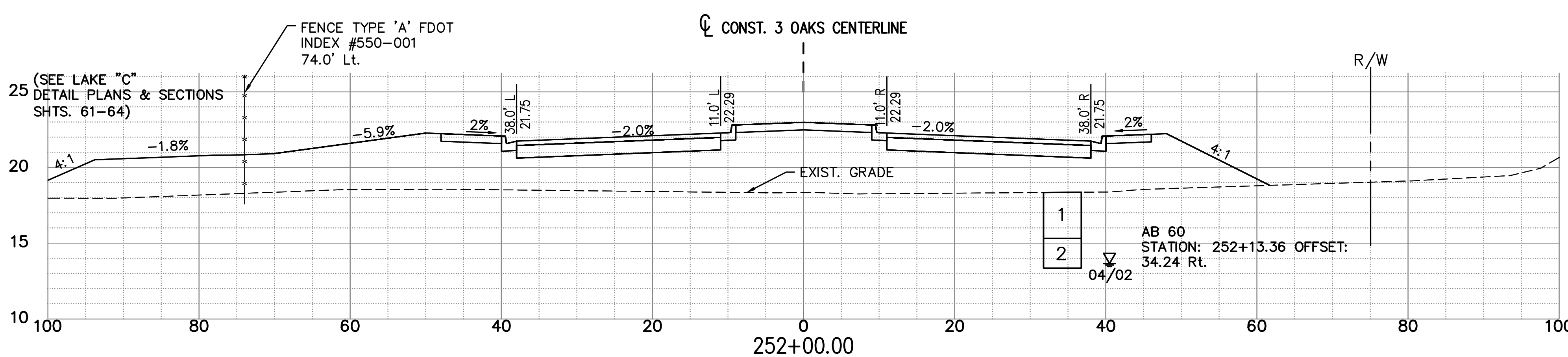
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

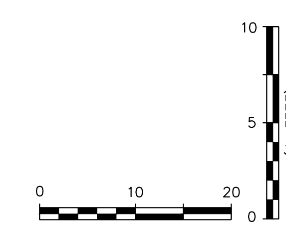
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.







EXC		EMB	
A	V	A	V
0	245	335	144478
0	245	367	143178
0	245	379	141796



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_E.dwg, 107 ROADWAY CROSS SECTIONS, 6/16/2020 12:25:09 PM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

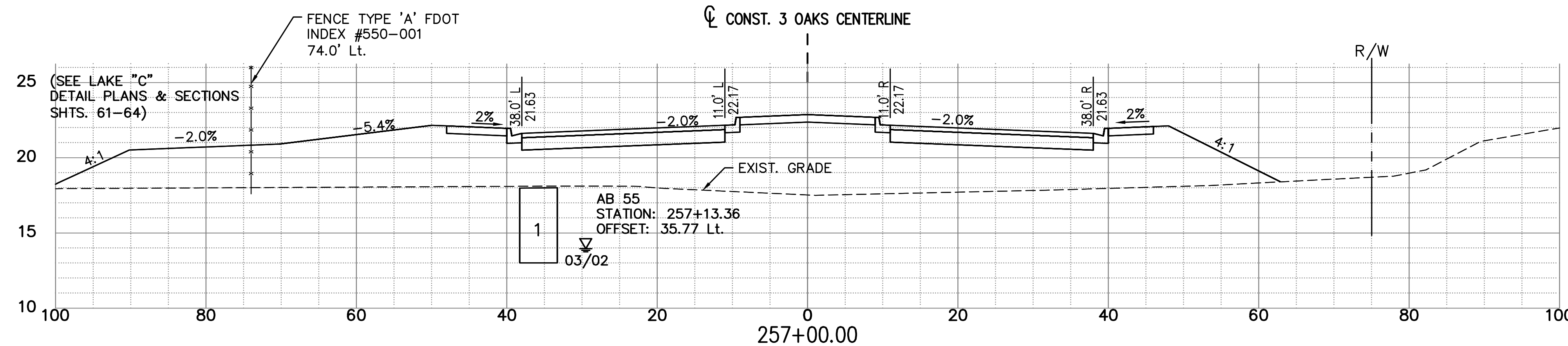
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

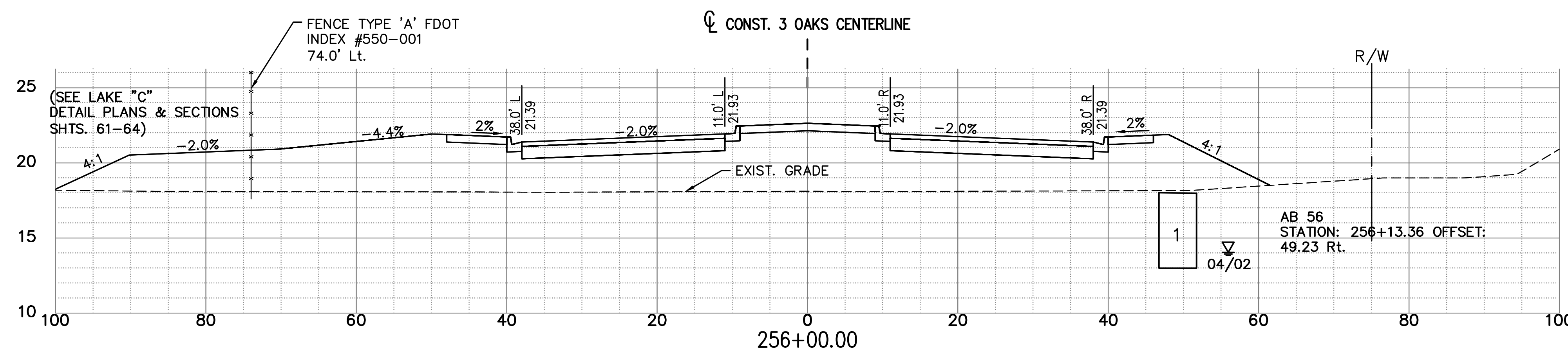
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

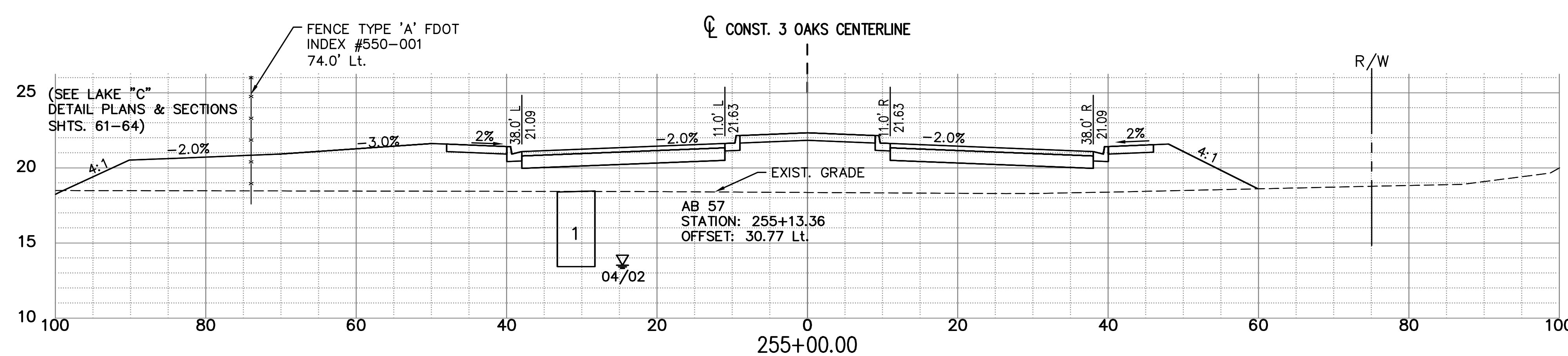
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
107 OF 132

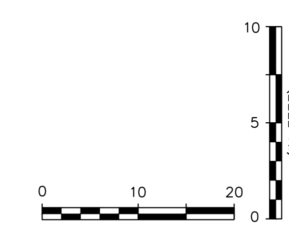
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.







EXC		EMB	
A	V	A	V
0	245	434	148436
0	245	380	146929
0	245	305	145662



DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

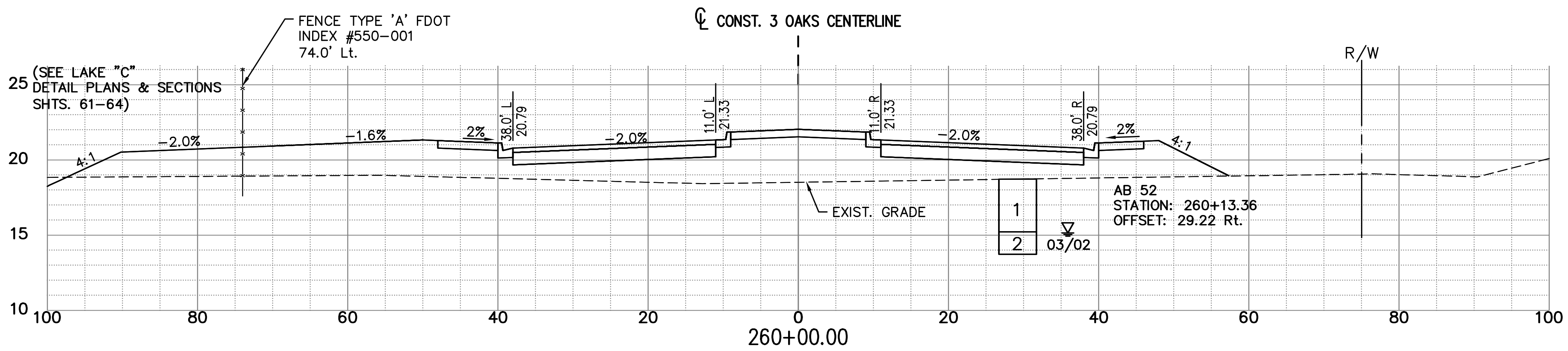
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

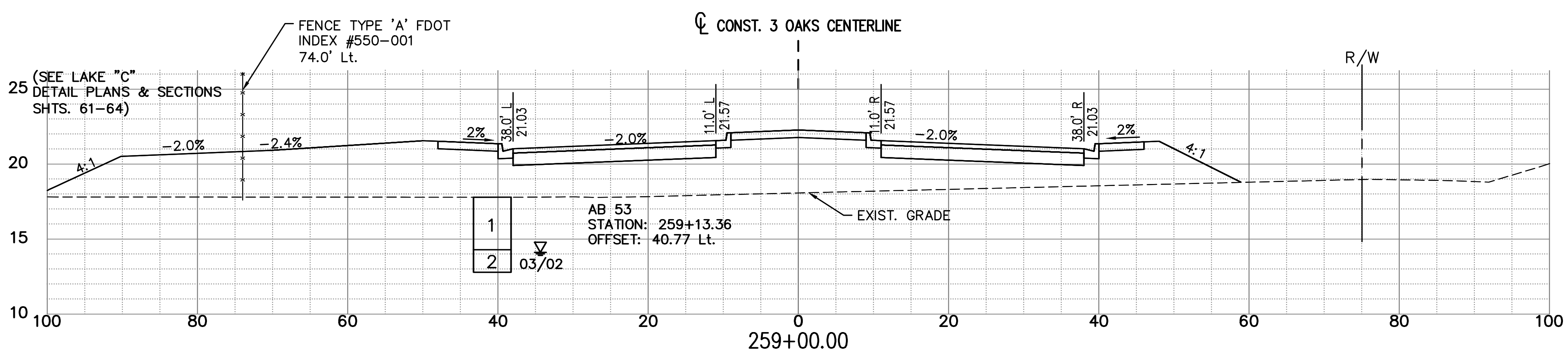
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

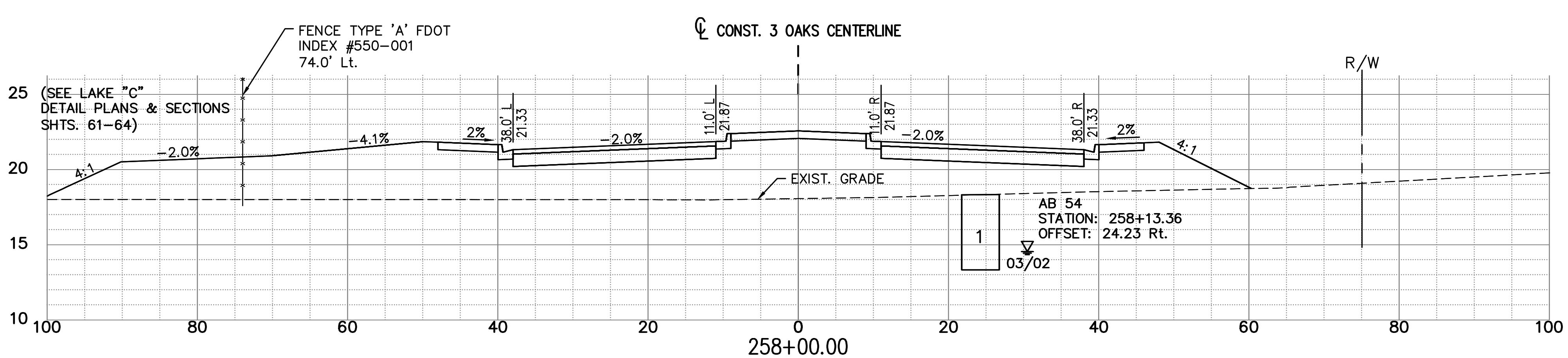
SHEET
108 OF 132

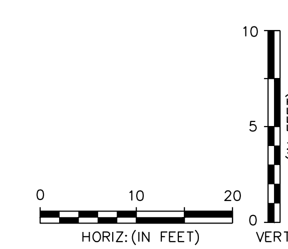
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.

EXC		EMB	
A	V	A	V
0	245	229	152245
0	245	335	151200
0	245	362	149909









P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_E.dwg, 109 ROADWAY CROSS SECTIONS, 6/16/2020 12:26:30 PM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

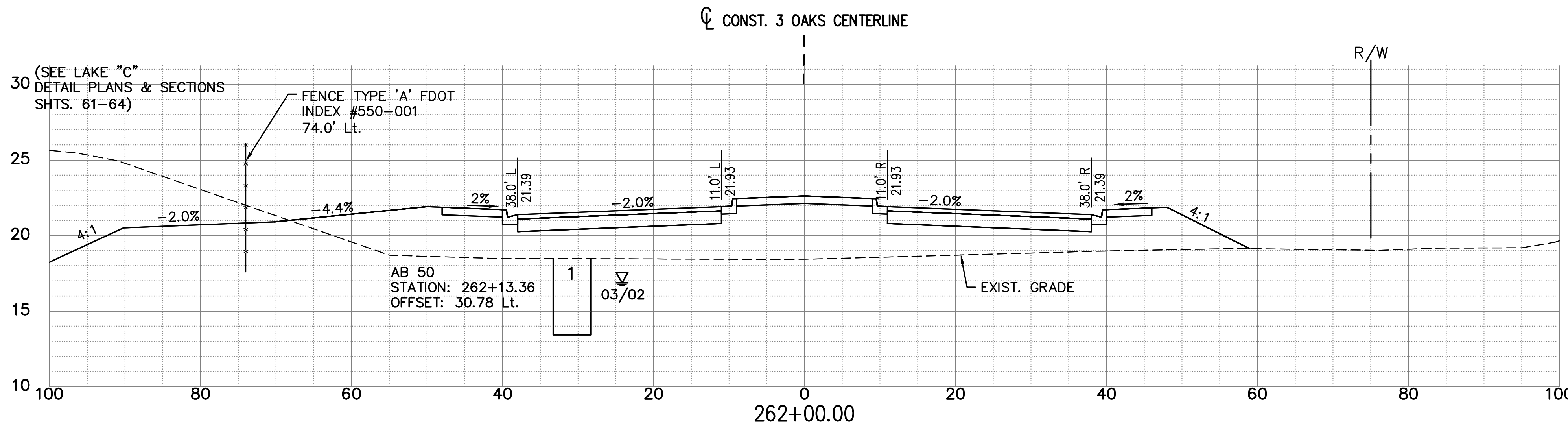
THREE OAKS PARKWAY EXTENSION
PHASE I: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

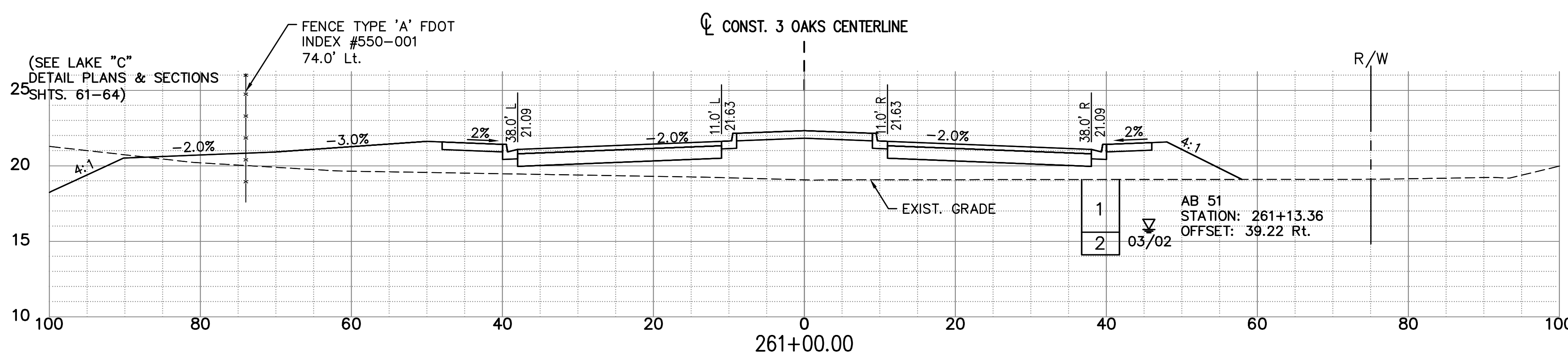
SHEET
109 OF 132

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.

EXC A	EXC V	EMB A	EMB V
0	246	286	153909
0	245	192	153025



262+00.00



261+00.00

0 10 20
HORIZ: (IN FEET)
10 5 0 (IN FEET) VERT:

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_E.dwg, 110 ROADWAY CROSS SECTIONS, 6/16/2020 12:27:11 PM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

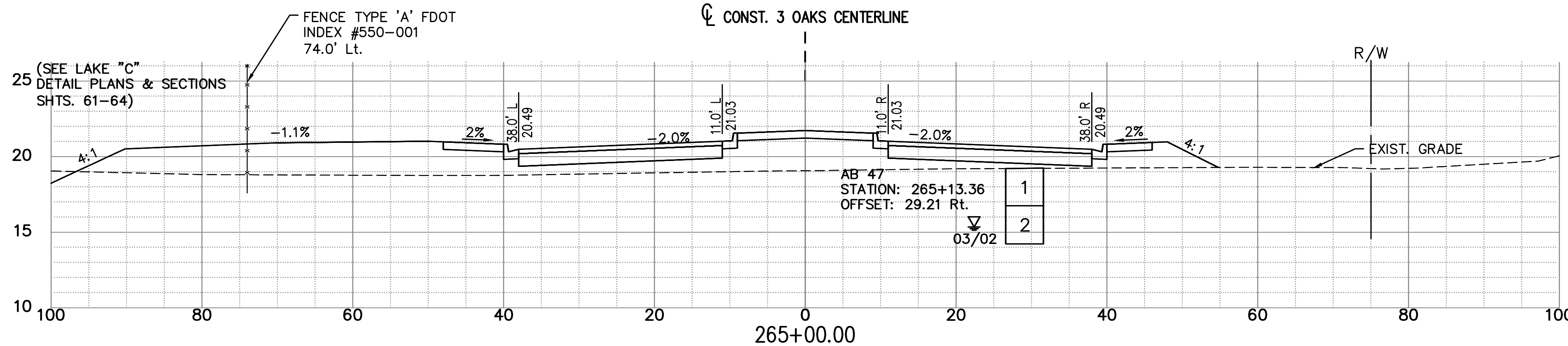
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

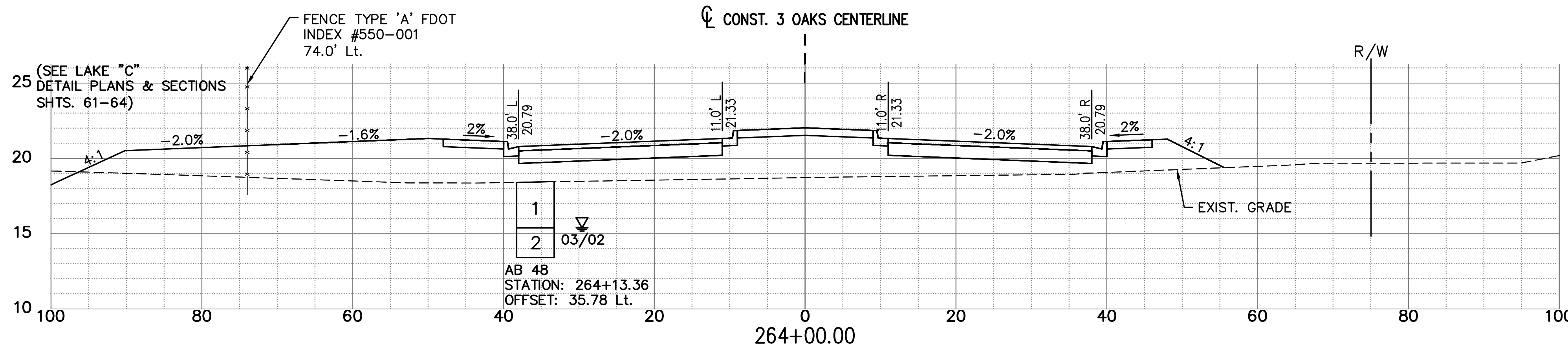
THREE OAKS PARKWAY EXTENSION
PHASE I: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

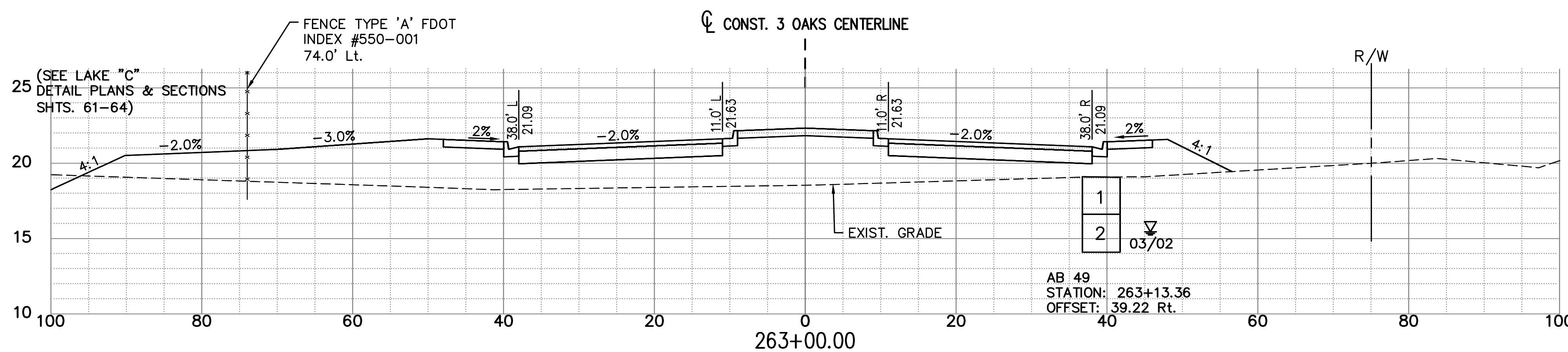
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
110 OF 132

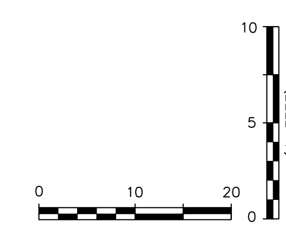
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.







EXC		EMB	
A	V	A	V
0	246	156	156574
0	246	228	155862
0	246	270	154939



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_E.dwg, 111 ROADWAY CROSS SECTIONS, 6/16/2020 12:27:55 PM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

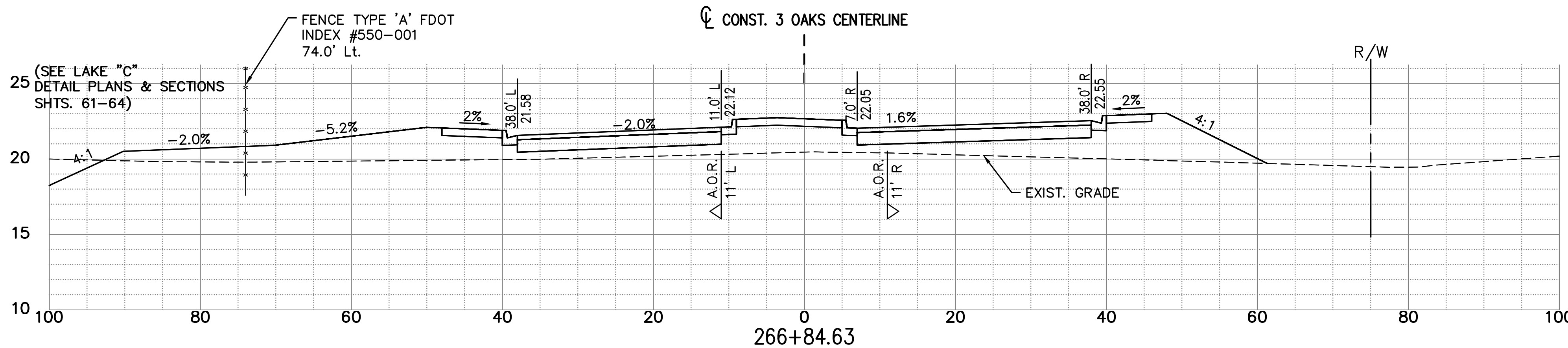
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

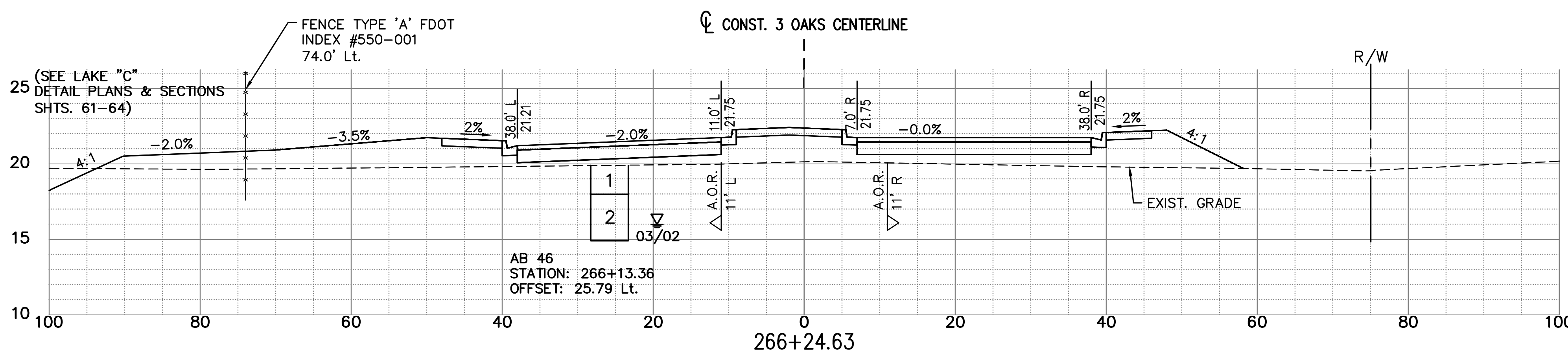
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

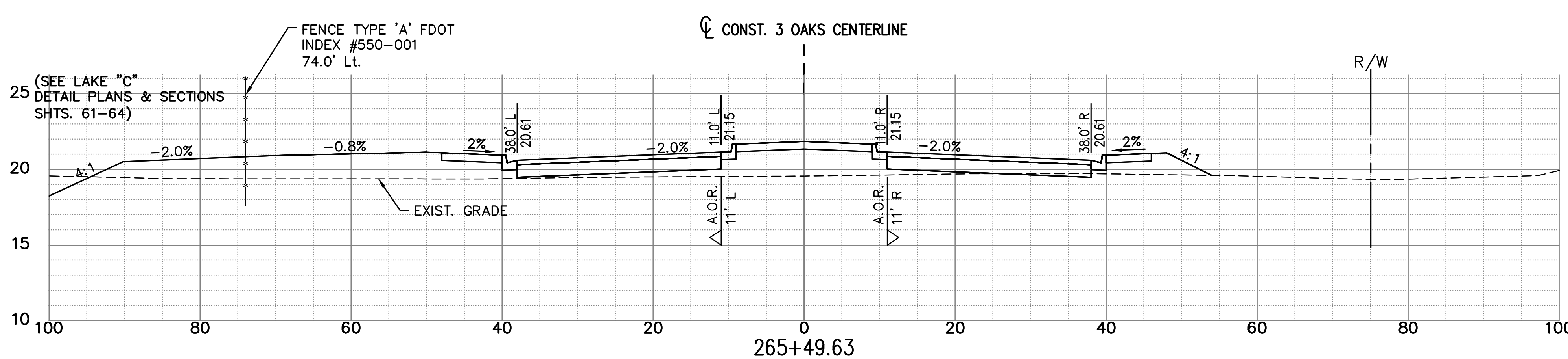
THREE OAKS PARKWAY EXTENSION
PHASE I: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

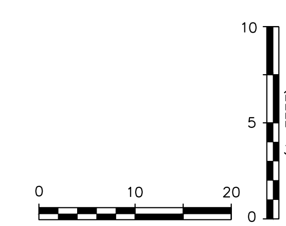
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.







EXC		EMB	
A	V	A	V
0	250	172	157501
0	250	141	157154
1	248	104	156813



DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

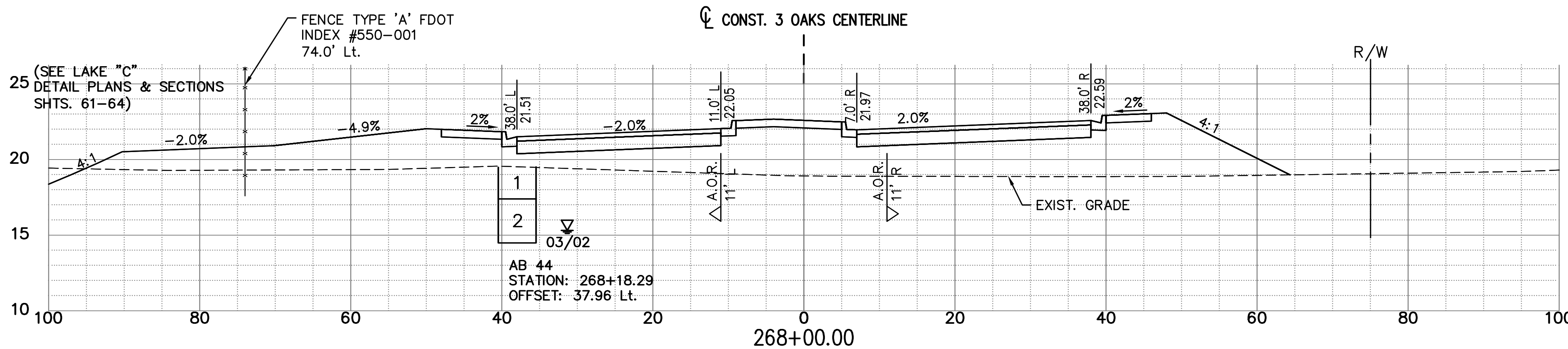
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

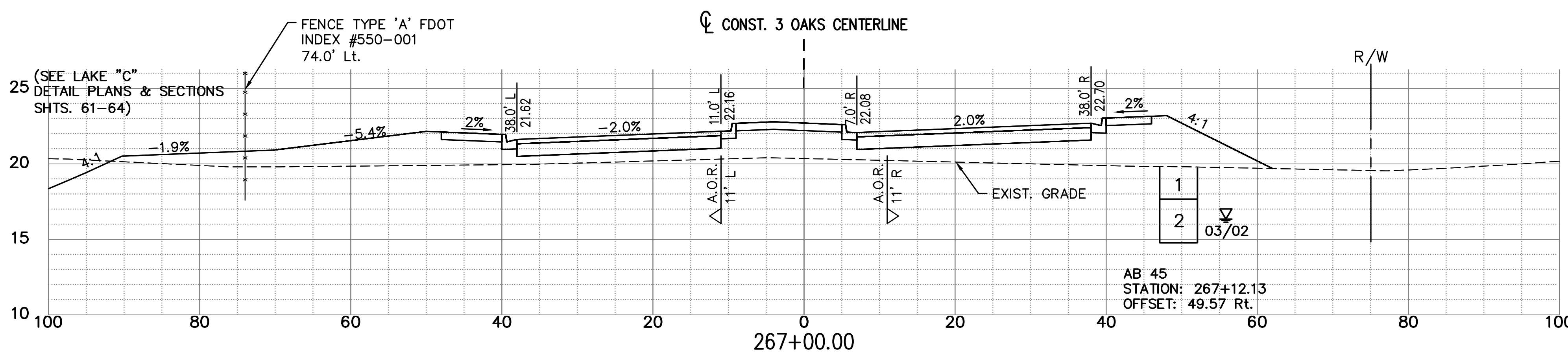
SHEET
112 OF 132

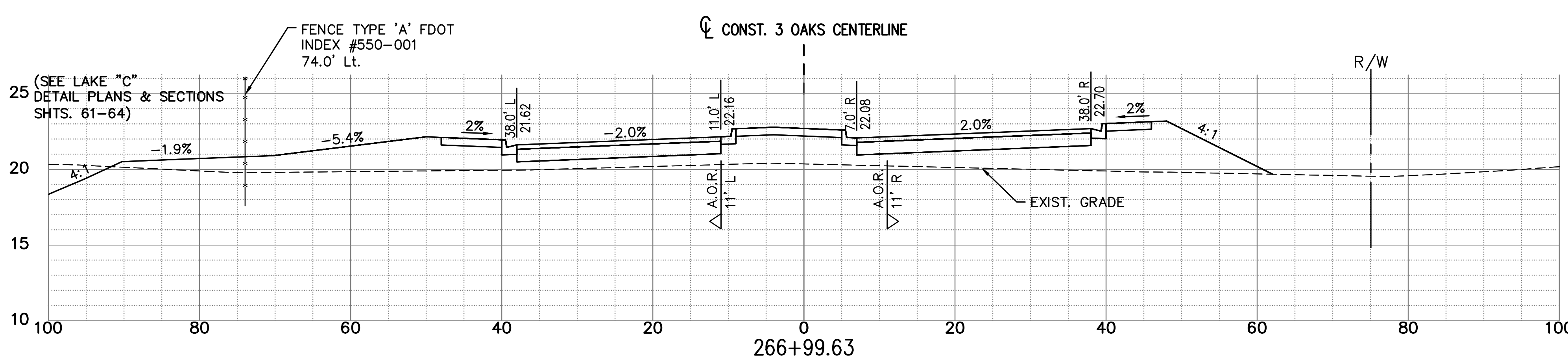
P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_E.dwg, 113 ROADWAY CROSS SECTIONS, 6/16/2020 12:29:20 PM, Avalon Engineering Inc.

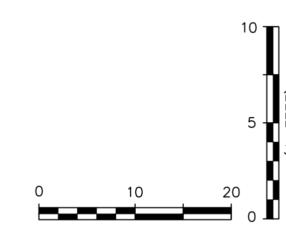
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.

EXC		EMB	
A	V	A	V
0	250	298	158507
0	250	189	157604
0	250	189	157601









DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

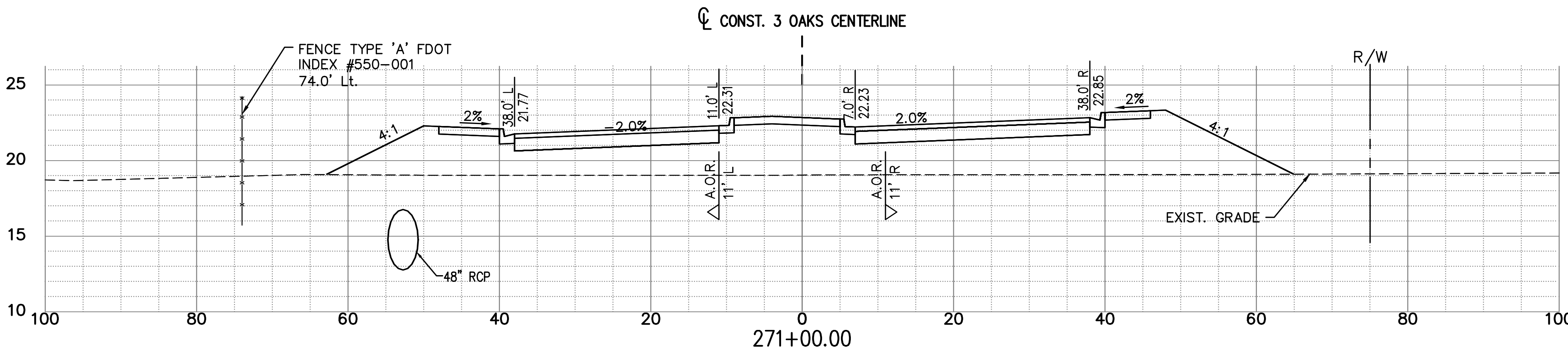
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

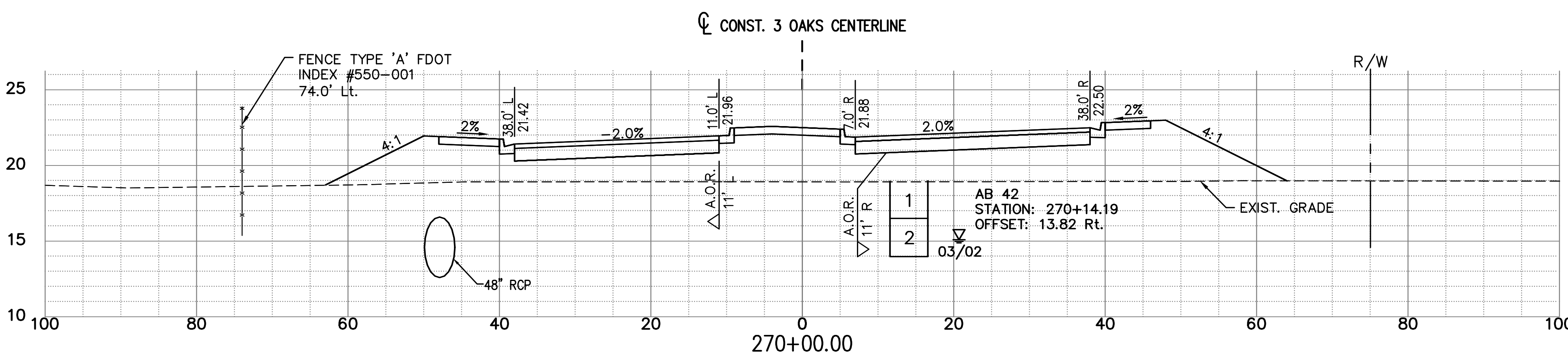
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

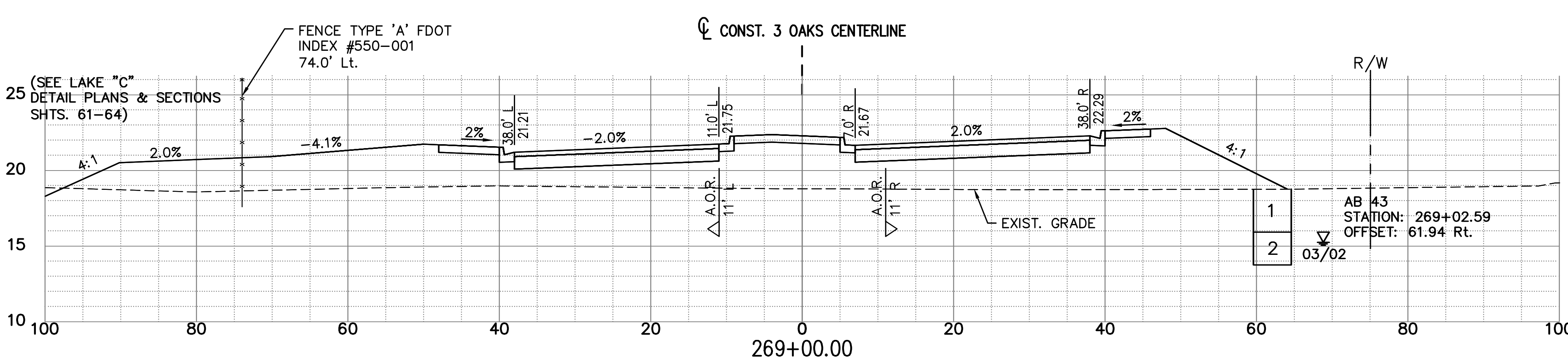
SHEET
113 OF 132

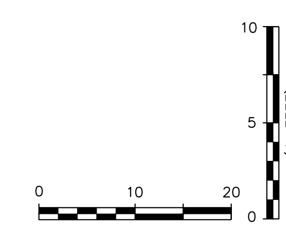
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.

EXC		EMB	
A	V	A	V
0	250	307	161783
0	250	280	160692
0	250	301	159615









DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

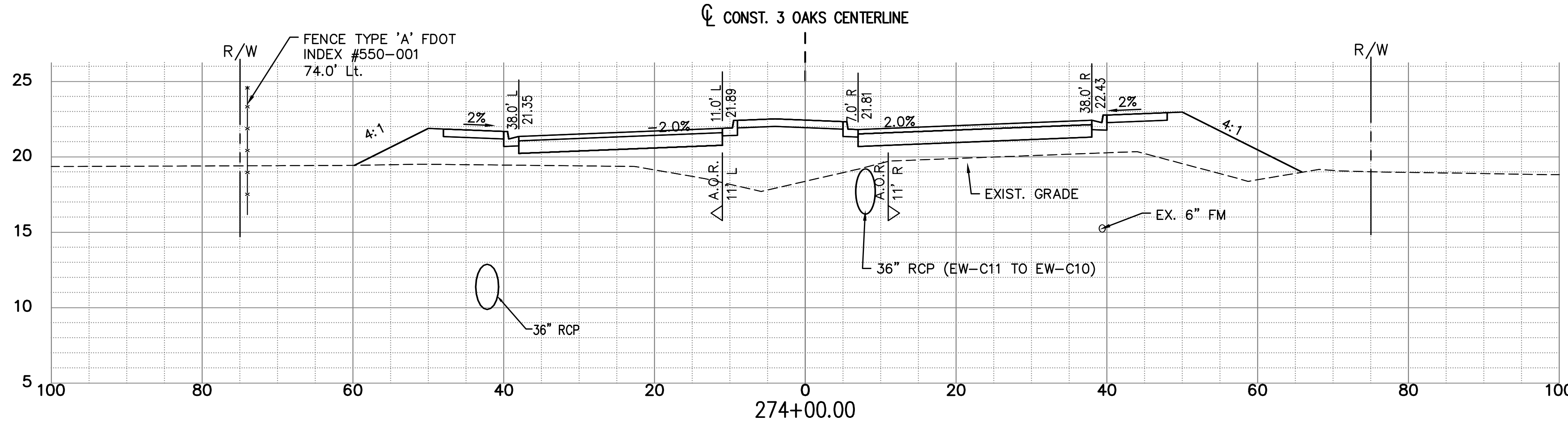
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

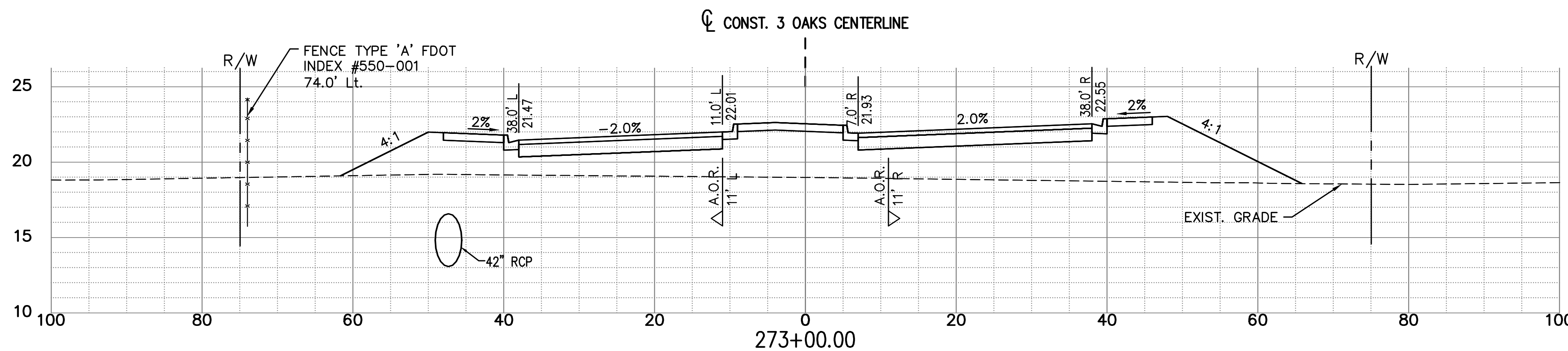
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

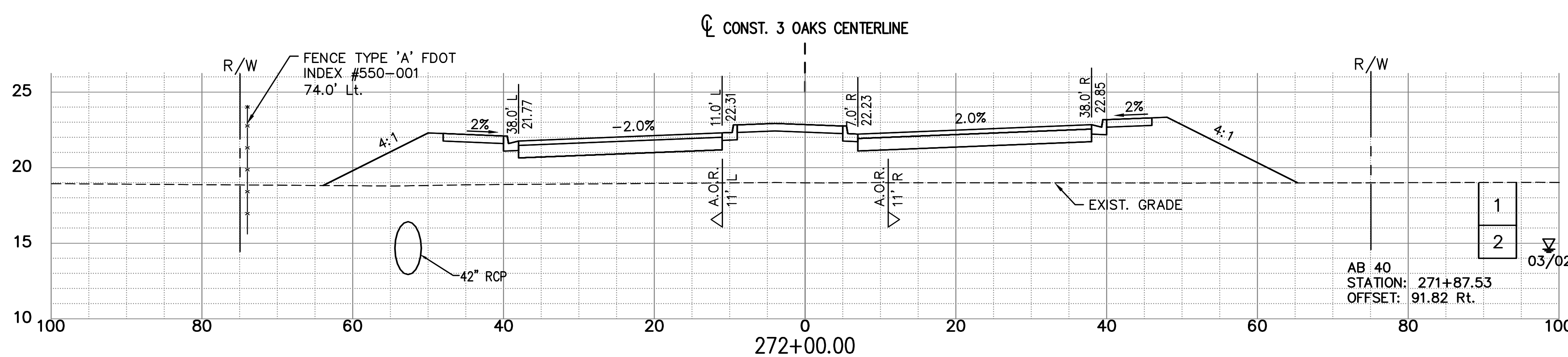
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

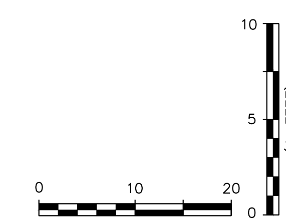
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.







EXC		EMB	
A	V	A	V
0	250	227	165021
0	250	283	164071
0	250	320	162948



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_E.dwg, 115 ROADWAY CROSS SECTIONS, 6/16/2020 12:30:46 PM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

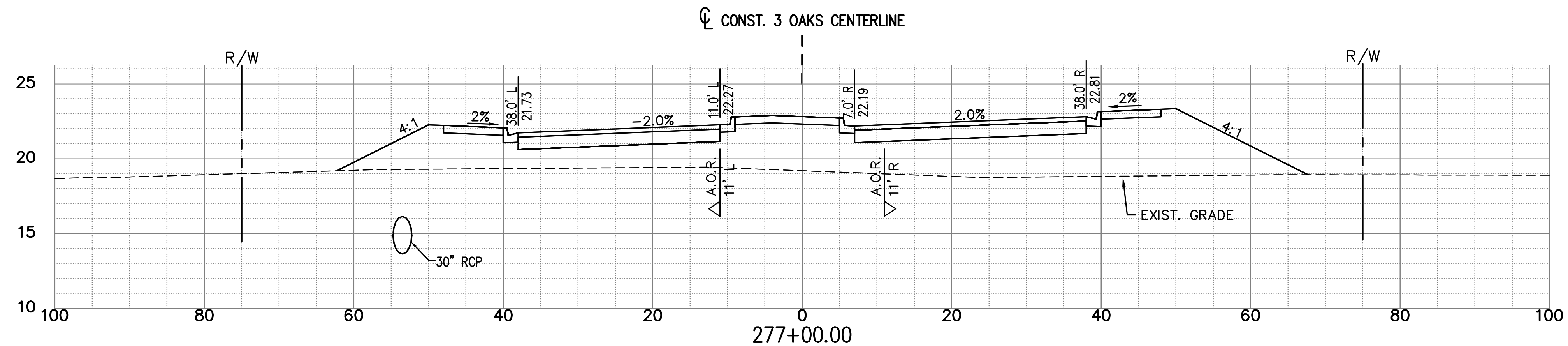
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

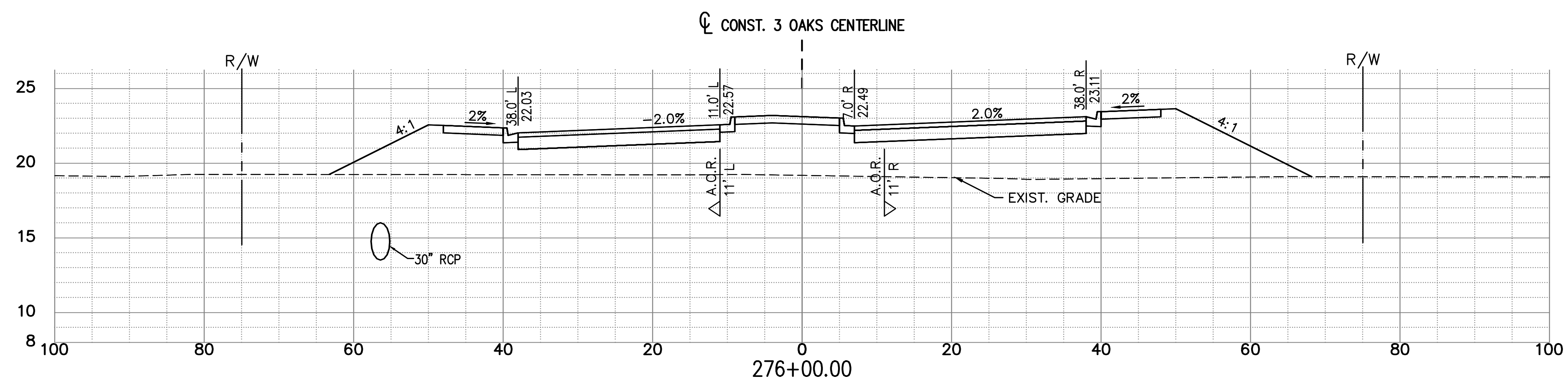
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

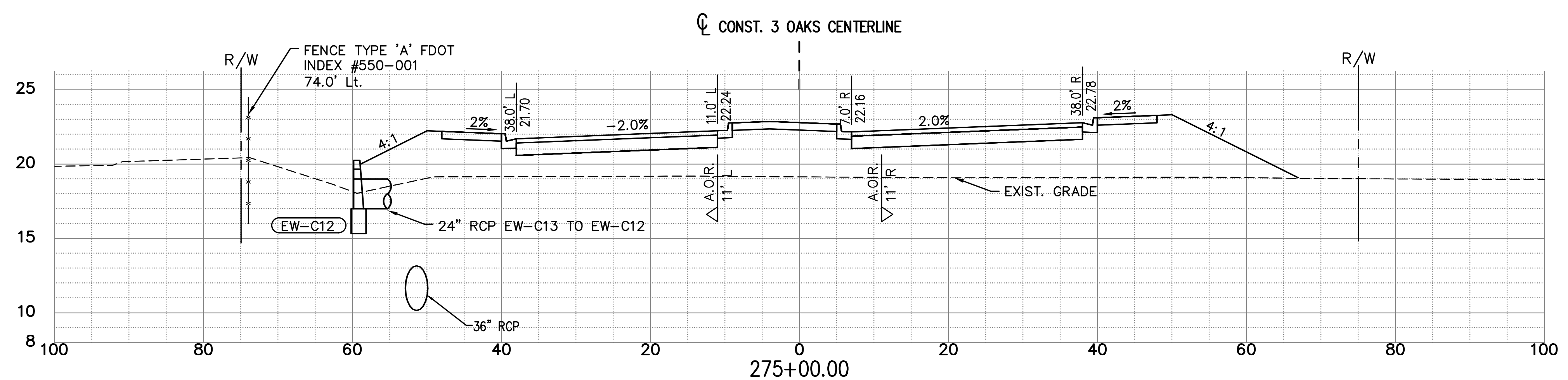
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET 115 OF 132

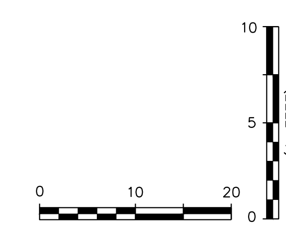
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.







EXC		EMB	
A	V	A	V
0	250	304	168416
0	250	340	167214
0	250	306	166012



DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

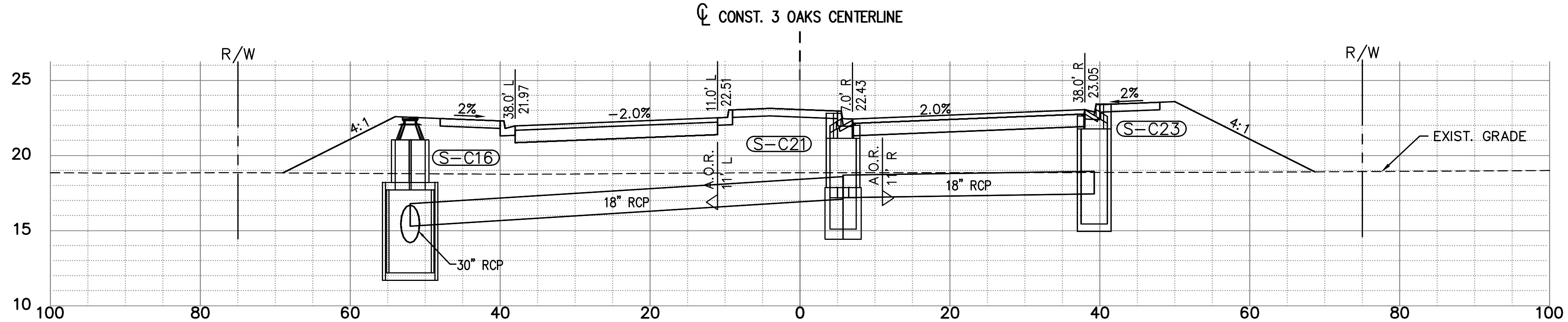
AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

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

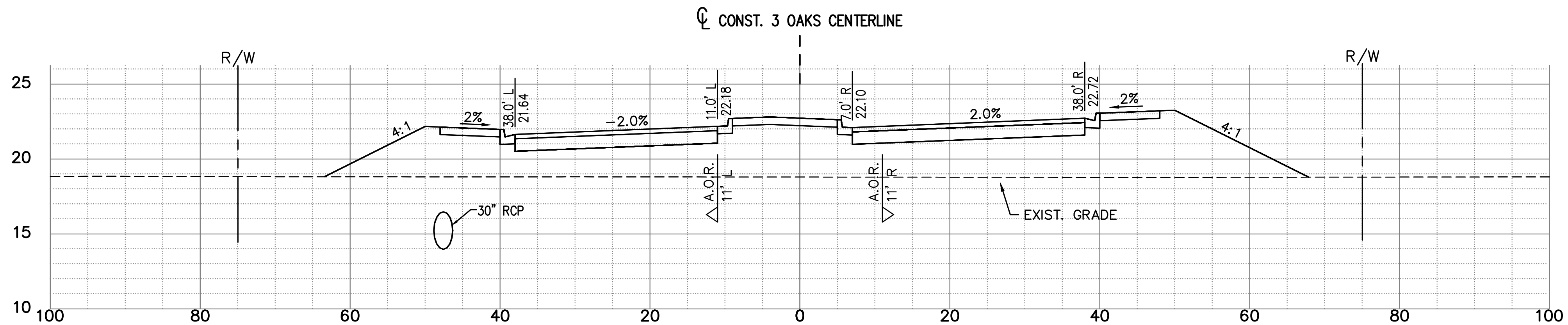
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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

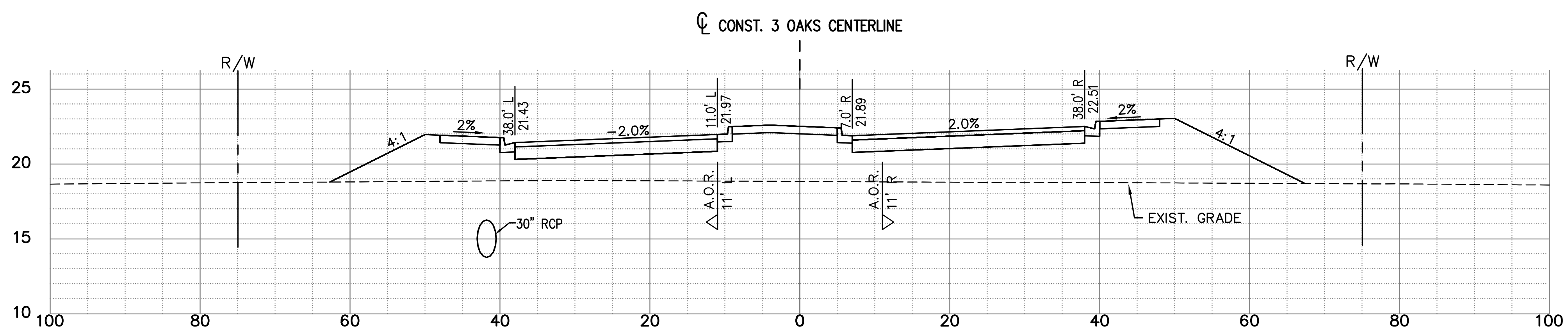
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.



280+00.00



279+00.00



278+00.00

S-C16
CONST. MANHOLE TYPE 'J-8' >10'
FDOT Index No. 425-001
STA 280+00.00 (-52.00 L)
RIM=22.55
SUMP=12.20
INV IN (W)= 14.20 30" RCP
INV IN (N)= 15.30 18" RCP
INV OUT (E)= 14.20 30" RCP

S-C21
CONST. CURB INLET TYPE 'P-5' <10'
FDOT Index No. 425-021
STA 280+00.00 (5.75 R)
LIP (EOP) ELEV=22.81
SUMP=15.10
INV IN(N)= 17.20 18" RCP
INV OUT (S)= 17.10 18" RCP

S-C23
CONST. CURB INLET TYPE 'P-5' <10'
FDOT Index No. 425-021
STA 280+00.00 (39.25 R)
LIP (EOP) ELEV=23.43
SUMP=15.45
INV OUT (S)= 17.45 18" RCP

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.

HORIZ: (IN FEET) 0 10 20
VERT: (IN FEET) 0 5 10

EXC A	EXC V	EMB A	EMB V
0	250	387	172071
0	250	333	170733
0	250	303	169549

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

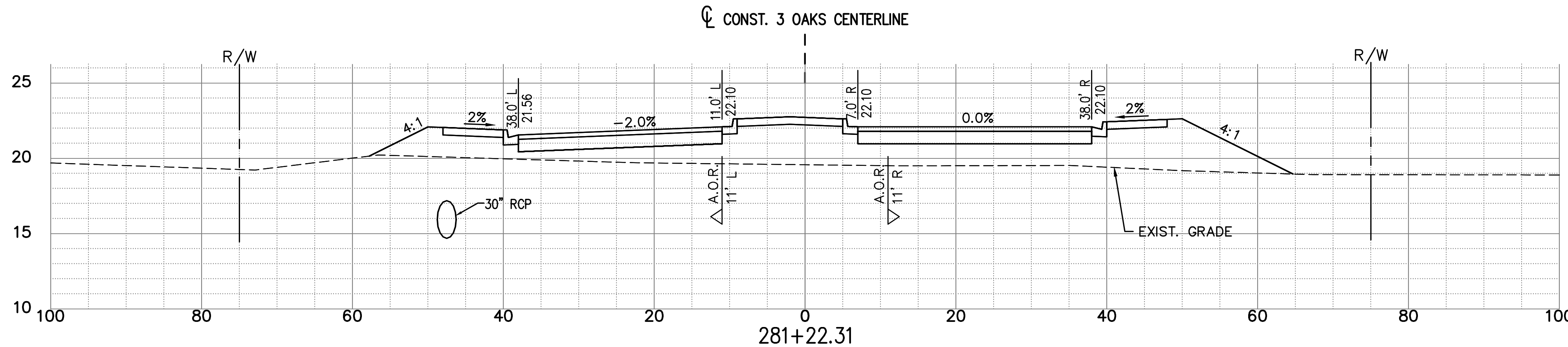
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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

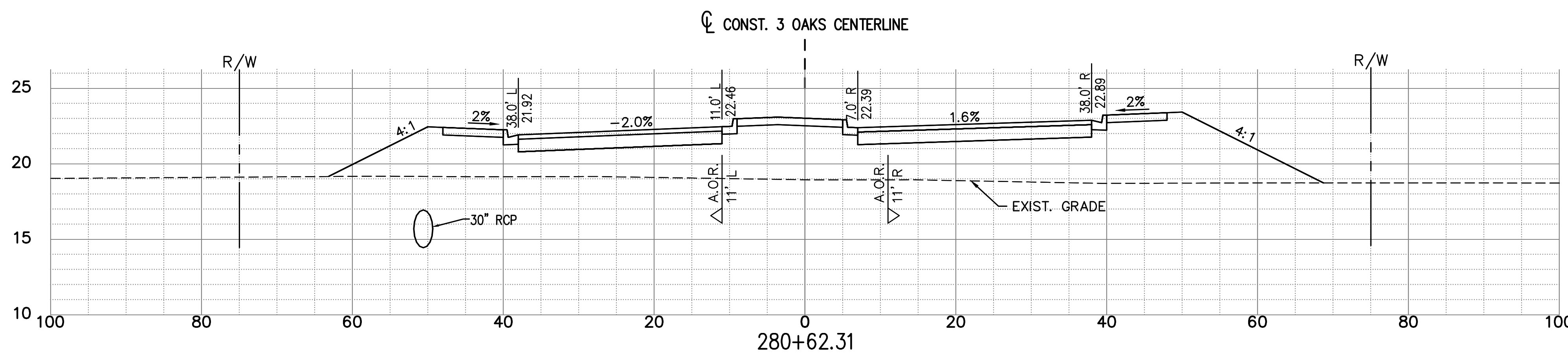
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_F.dwg, 118 ROADWAY CROSS SECTIONS, 6/16/2020 12:33:57 PM, Avalon Engineering Inc.

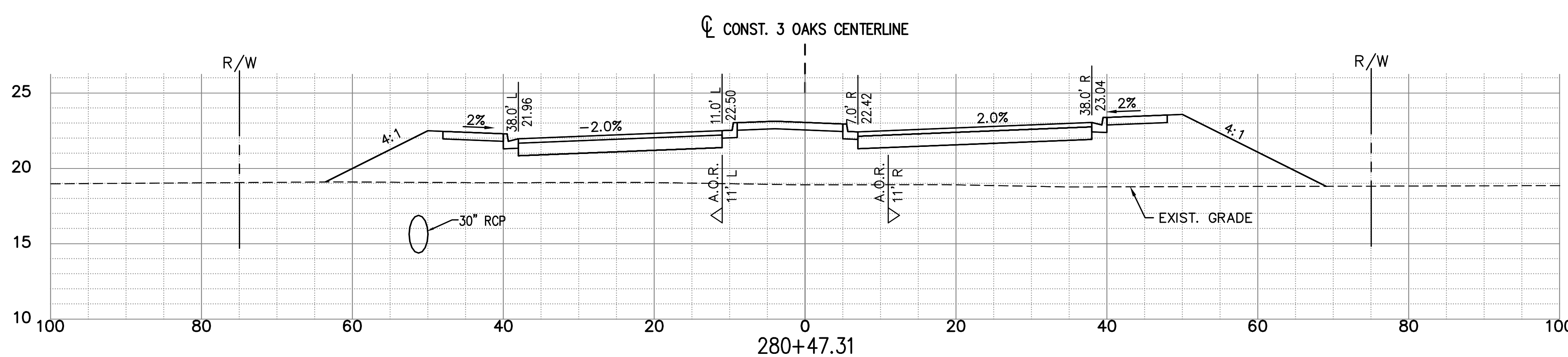
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.



281+22.31

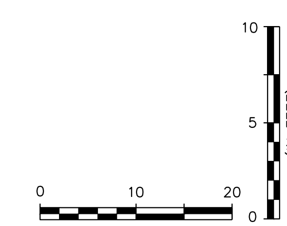


280+62.31



280+47.31

EXC		EMB	
A	V	A	V
0	250	198	173522
0	250	344	172920
0	250	356	172725



DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

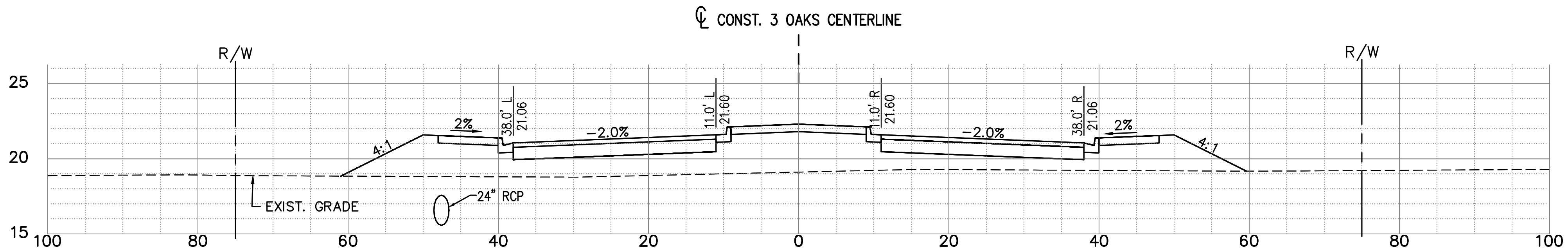
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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

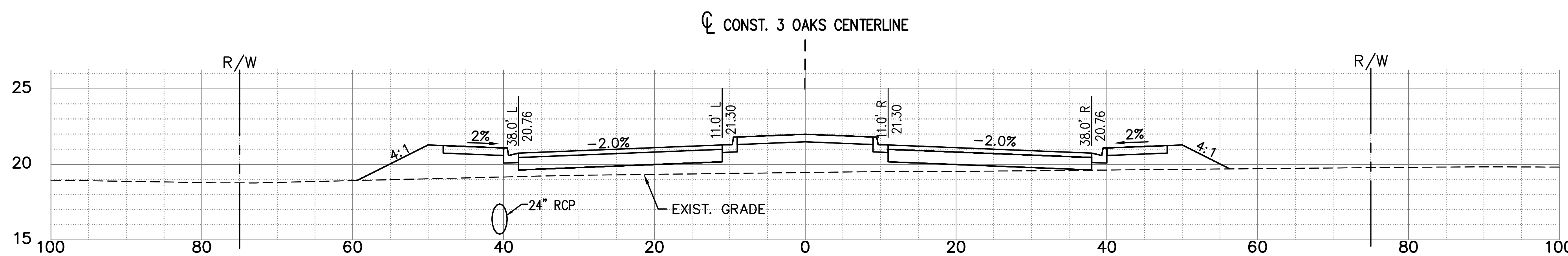
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

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.

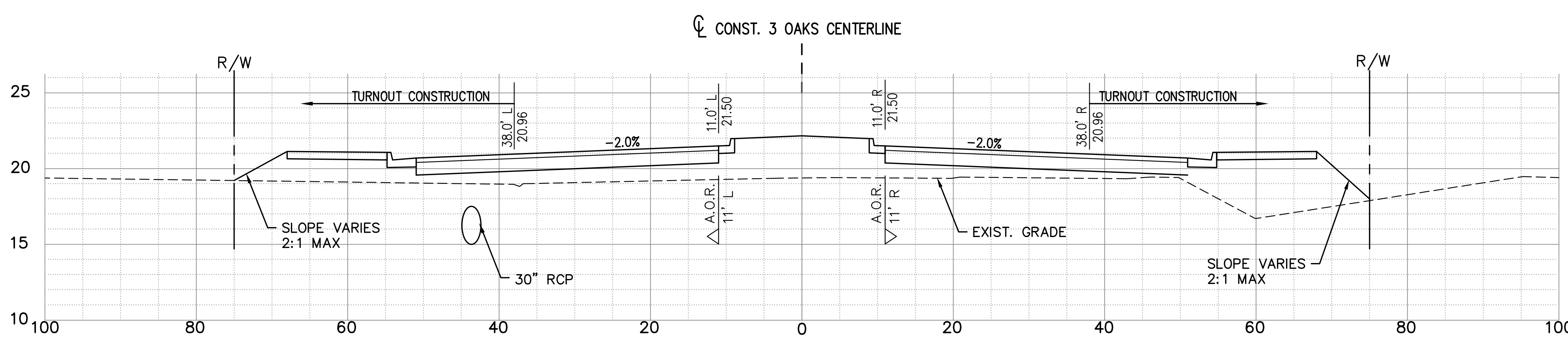
EXC		EMB	
A	V	A	V
0	250	190	175141
0	250	112	174581
0	250	174	174038



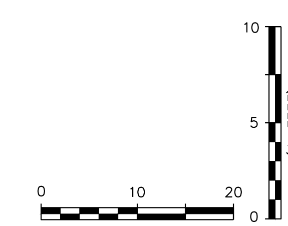
284+00.00



283+00.00



281+97.31



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_F.dwg, 119 ROADWAY CROSS SECTIONS, 6/17/2020 9:04:53 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

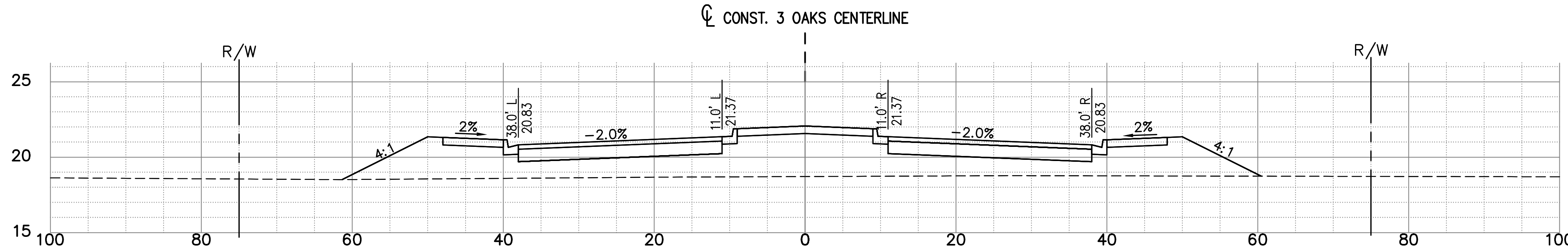
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

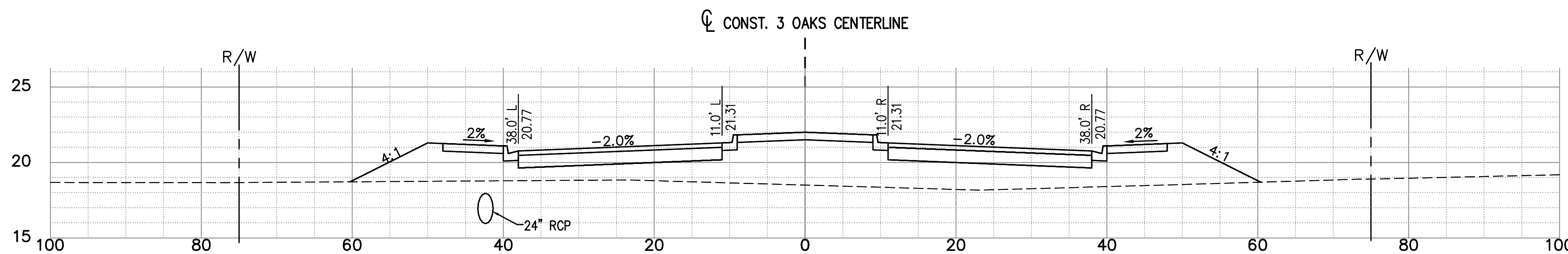
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

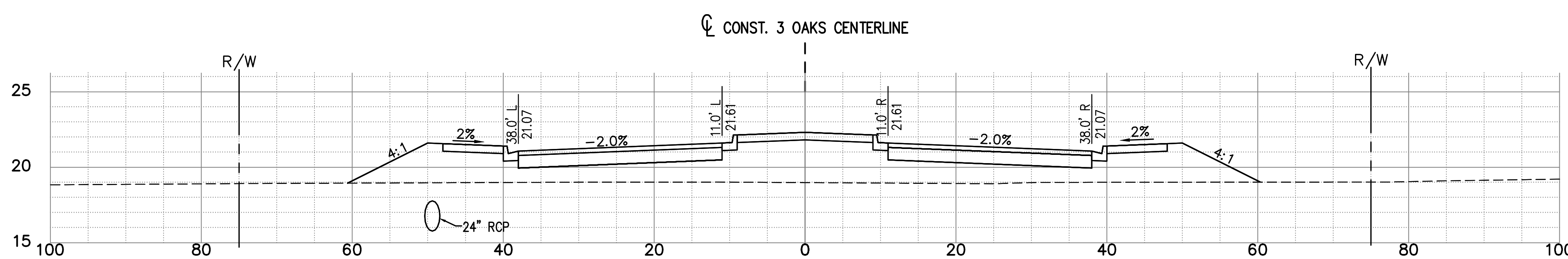
NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988. TO CONVERT TO N.G.V.D. 1929 ADD 1.18 FT.



287+00.00

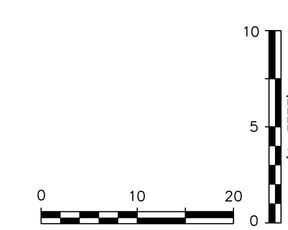


286+00.00



285+00.00

EXC		EMB	
A	V	A	V
0	250	206	177405
0	250	213	176629
0	250	200	175864



DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

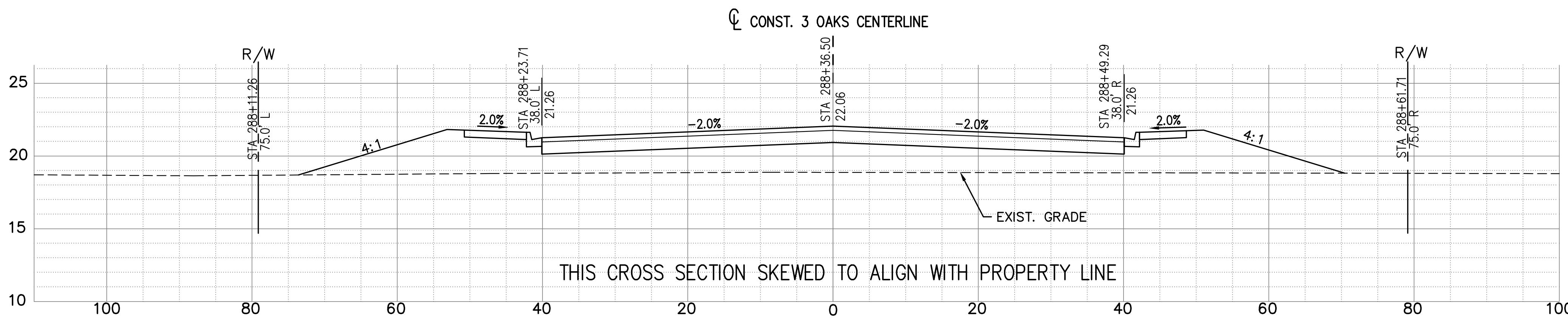
ROADWAY CROSS SECTIONS
THREE OAKS PKWY EXT.

SHEET
120 OF 132

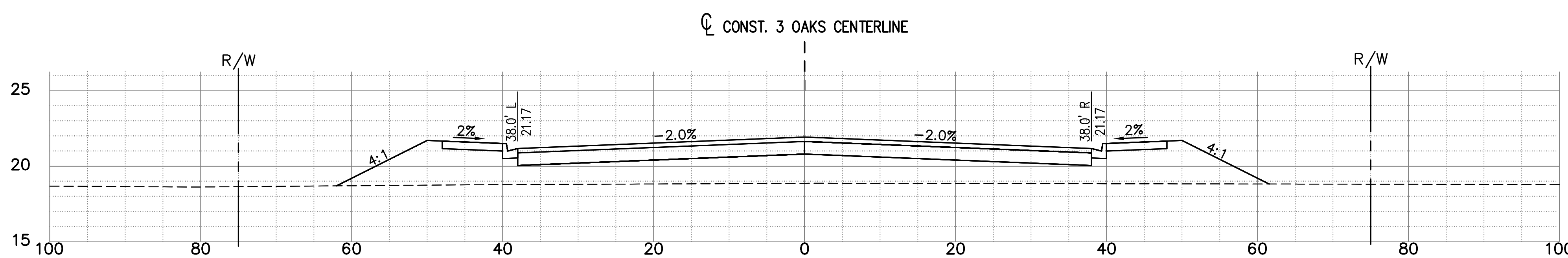
P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\THREE OAKS XSECT_F.dwg, 121 ROADWAY CROSS SECTIONS, 6/16/2020 12:36:39 PM, Avalon Engineering Inc.

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.

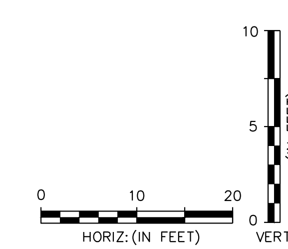
EXC		EMB	
A	V	A	V
0	250	220	178464
0	250	210	178174



288+36.50



288+00.00



DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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
121 OF 132

UNIVERSAL ENGINEERING SCIENCES
CROSS SECTION OF SOIL SURVEY
REPORT OF TESTS
THREE OAKS PARKWAY EXTENSION PHASE 1
LEE COUNTY, FLORIDA

DISTRICT: LEE COUNTY
SUBMITTED BY: UNIVERSAL ENGINEERING SCIENCES

TOWNSHIP: 46
RANGE: 25
SECTION: 03
COUNTY: LEE

DATES OF SURVEY: APRIL/MAY 2019, MARCH/APRIL 2002

SURVEYED BY: UNIVERSAL ENGINEERING SCIENCES

PROJECT BEGINS APPROXIMATE STA. NO.: 156+00
PROJECT ENDS APPROXIMATE STA. NO.: 265+20
DATE REPORTED: AUGUST 2, 2019

		ORGANIC CONTENT			SIEVE ANALYSIS RESULTS (% PASSING)						ATTERBERG LIMITS (%)					CORROSION TEST RESULTS				SUBSTRUCTURE ENVIRONMENTAL CLASSIFICATION	
STRATUM NO.	MAX. LBR VALUE	NO. OF TESTS	% ORGANIC	MOISTURE CONTENT %	NO. OF TESTS	#10 MESH	#40 MESH	#60 MESH	#100 MESH	#200 MESH	NO. OF TESTS	LIQUID LIMIT	PLASTICITY INDEX	AASHTO GROUP	DESCRIPTION	RESISTIVITY ohm-cm	CHLORIDES ppm	SULFATES ppm	pH	STEEL	CONCRETE
1	52	--	--	--	56	100	97-100	78-96	34-94	1-10	--	--	--	A-3	FINE SAND	5390-9310	0	0-33	7.2-7.8	SLIGHTLY AGGRESSIVE	SLIGHTLY AGGRESSIVE
2	--	--	--	--	2	--	--	--	--	11-13	--	--	--	A-2-4	FINE SAND WITH CLAY OR SILT (<15% SOIL FINES)	--	--	--	--	--	--
3	--	--	--	--	6	--	--	--	--	18-33	--	--	--	A-2-4	CLAYEY OR SILTY FINE SAND	--	--	--	--	--	--
4	--	--	--	--	1	--	--	--	--	49	--	--	--	A-4	SILTY FINE SAND	--	--	--	--	--	--
5	--	--	--	--	1	--	--	--	--	52	--	--	--	A-6	FINE SANDY CLAY						

NOTES

1) STRATA BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH TEST HOLE LOCATION ONLY. ANY STRATUM CONNECTING LINES SHOWN ARE FOR ESTIMATING EARTHWORK ONLY AND DO NOT INDICATE ACTUAL STRATUM LIMITS. SUBSURFACE VARIATIONS BETWEEN BORINGS SHOULD BE ANTICIPATED AS INDICATED IN SECTION 2-4. FOR FURTHER DETAILS SEE SECTION 120-3.

2) GROUNDWATER TABLE SHOWN AS ▼ WHERE ENCOUNTERED AT TIME OF SURVEY. GROUNDWATER NOT ENCOUNTERED SHOWN AS "GNE". ESTIMATED SEASONAL HIGH GROUNDWATER TABLE SHOWN AS ▽.

3) REMOVAL OF MUCK AND PLASTIC MATERIAL OCCURING WITHIN ROADWAY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH INDEX NO. 500, UNLESS OTHERWISE SHOWN ON PLANS. THE MATERIAL USED IN EMBANKMENT CONSTRUCTION SHALL BE IN ACCORDANCE WITH INDEX 505 OF FDOT ROADWAY AN TRAFFIC DESIGN STANDARDS.

4) SOIL ANALYSIS INCLUDES DATA FROM ROADWAY AND POND AREAS.

5) THE SYMBOL "--" REPRESENTS AN UNMEASURERED SOIL PARAMETER.

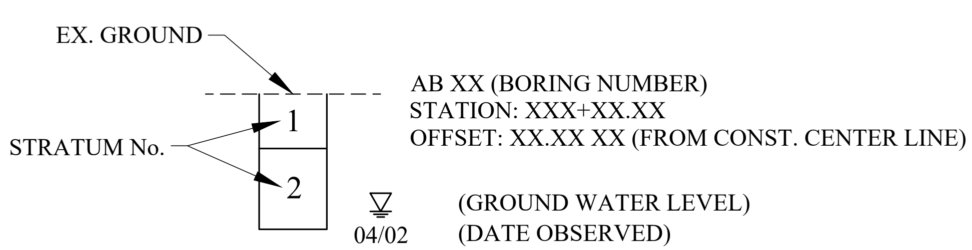
6) THE MATERIAL FROM STRATA 1, 2 AND 3 CAN BE CLASSIFIED AS SELECT (S).

7) THE MATERIAL FROM STRATA 4 AND 5 SHOULD BE TREATED AS PLASTIC (P) MATERIAL.

8) THE MATERIAL FROM STRATA 2, 3, 4 AND 5 ARE LIKELY TO RETAIN EXCESS MOISTURE AND MAY BE DIFFICULT TO DRY AND COMPACT.

9) THE MATERIAL FROM STRATUM 3 SHOULD NOT BE PLACED BELOW WATER TABLE.

SOIL BORING PROFILE LEGEND



- REFER TO ROADWAY CROSS SECTIONS SHEET FOR LOCATION.
- REFER TO UNIVERSAL ENGINEERING SCIENCES GEOTECHNICAL REPORT FOR ADDITIONAL SOILS INFORMATION.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
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 I: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

ROADWAY SOIL SURVEY
THREE OAKS PKWY EXT.

STORMWATER POLLUTION PREVENTION PLAN
THREE OAKS PARKWAY EXTENSION

Outfall Information: There are 3 outfalls in Phase 1.

Description:	Location: Latitude:	Location: Longitude:	Est. Drainage Area Size (AC):	Outfall No:	Receiving Water:
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.

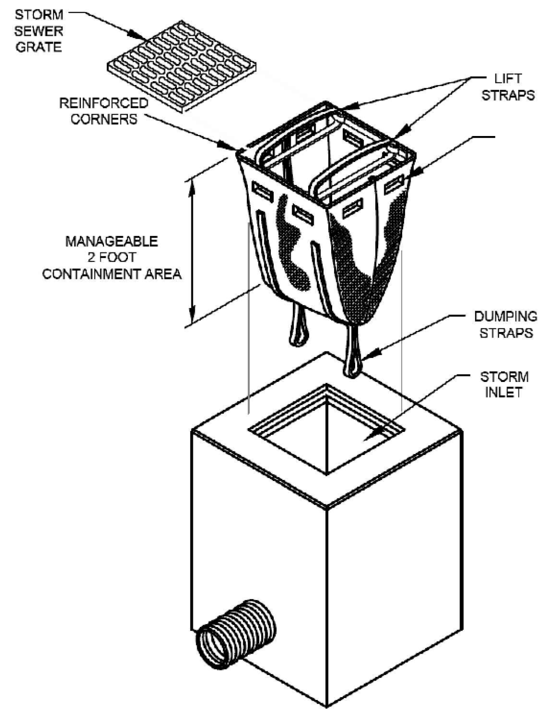
4.0.7 Locations where vehicles enter or exit the site.

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.

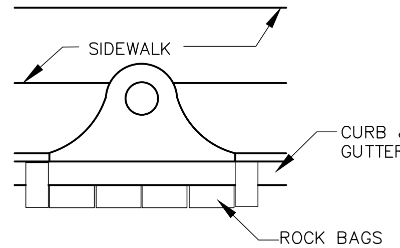
5.0 NON-STORMWATER DISCHARGES:

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.

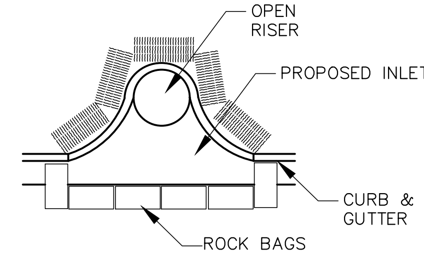


DANDY SAC MAY BE SUBSTITUTED FOR SIMILAR PRODUCT .

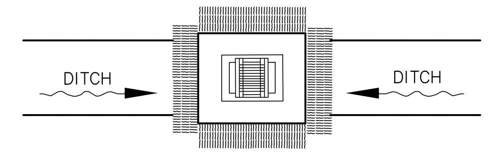
DANDYSACK TM



COMPLETE INLET



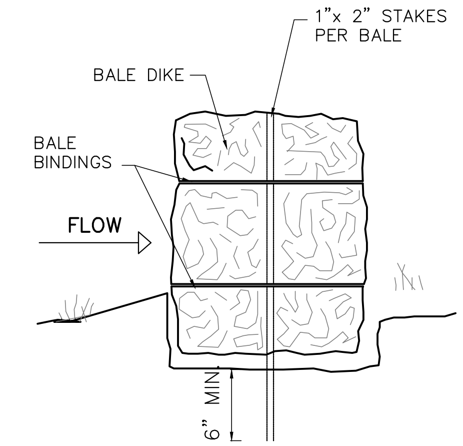
PARTIAL INLET



DITCH BOTTOM INLET

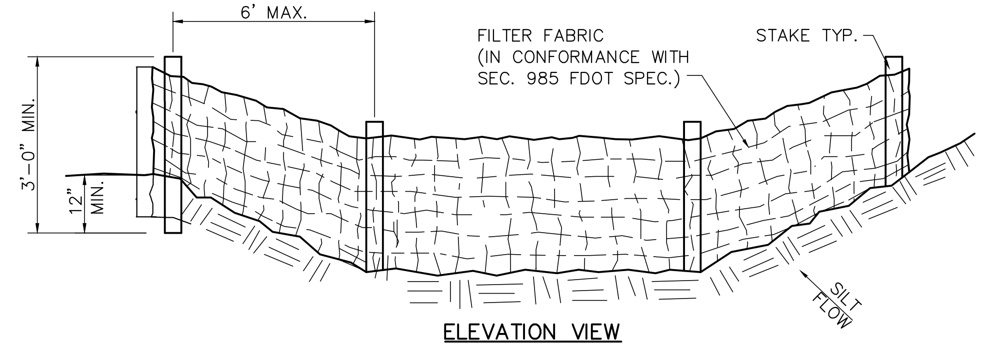
PROTECTION AROUND INLETS

N.T.S.

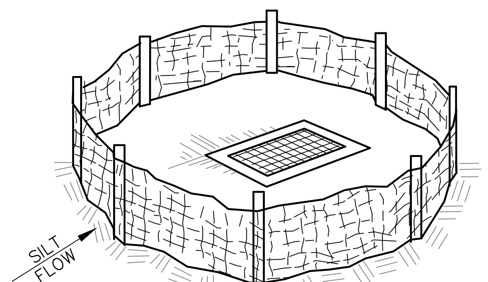


BEDDING DETAIL

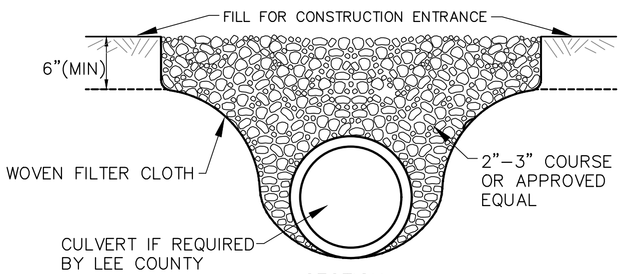
NOTE: RESTORE ALL INLETS IN R/W WITH SOD ON ALL SIDES (10' TYP.)



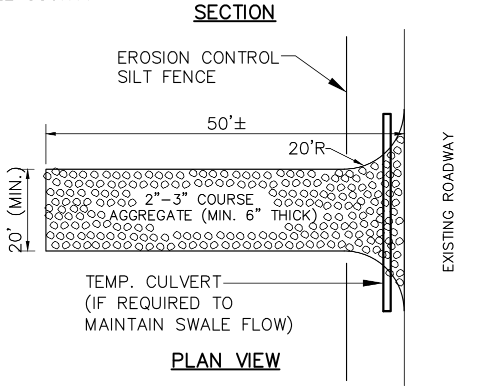
ELEVATION VIEW
SILT SCREEN PLACEMENT



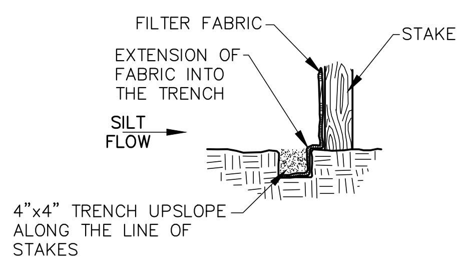
SILT FENCE PROTECTION
AROUND DITCH BOTTOM INLETS



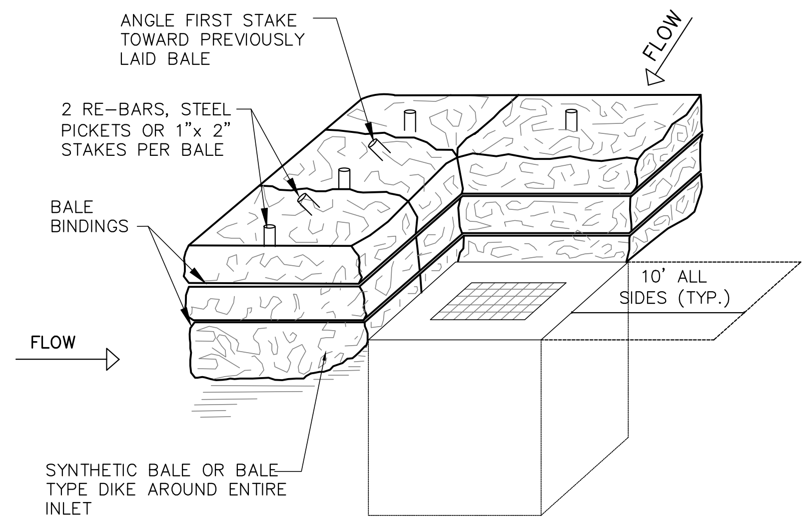
SECTION



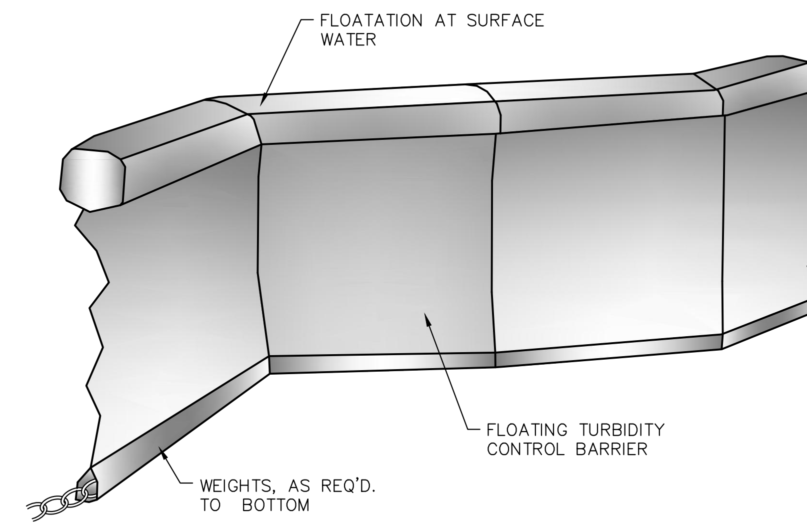
PLAN VIEW



CONSTRUCTION OF A
SILT FENCE



ANCHORING DETAIL SYNTHETIC BALE
PLACEMENT



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 VISIBLITY.

FLOATING TURBIDITY CONTROL BARRIER

DR-SILT-CURTAIN.dwg (2014)

N.T.S.

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.

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 SEEDED AND MULCHED.

EROSION CONTROL

N.T.S.

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\sppp-notes_3-oaks.dwg, 124 STORMWATER POLLUTION, 6/16/2020 12:37:29 PM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

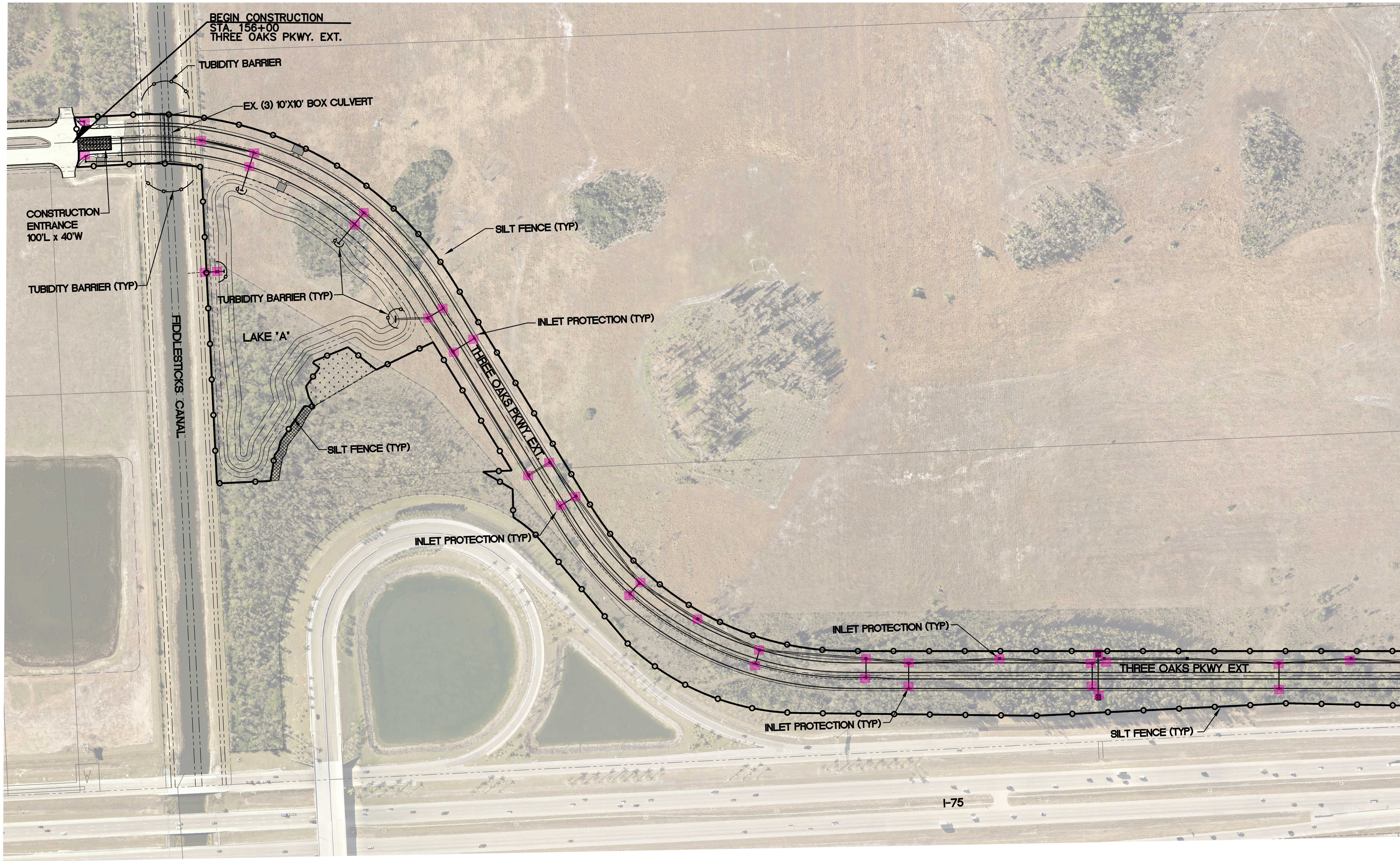
AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

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

STORMWATER POLLUTION
PREVENTION PLAN



N

0' 100' 300'

SCALE: 1"= 300'

LEGEND

- INLET PROTECTION
- SILT FENCE
- TURBIDITY BARRIER

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\SILT_FENCE.dwg, 125 EROSION CONTROL PLAN, 6/16/2020 12:37:42 PM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

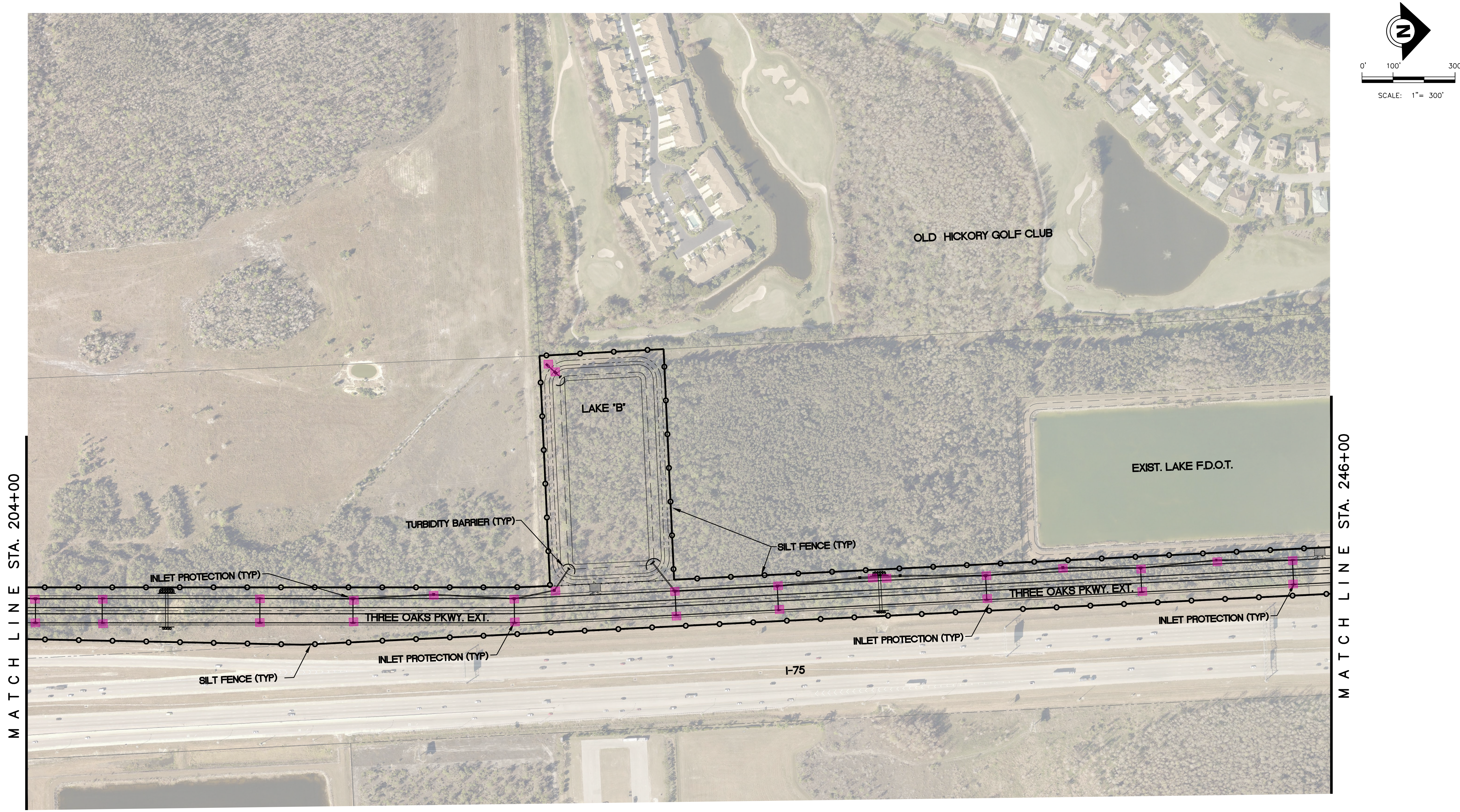
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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

EROSION CONTROL PLAN
THREE OAKS PKWY EXT.

SHEET
125 of 132



LEGEND

INLET PROTECTION

SILT FENCE

TURBIDITY BARRIER

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

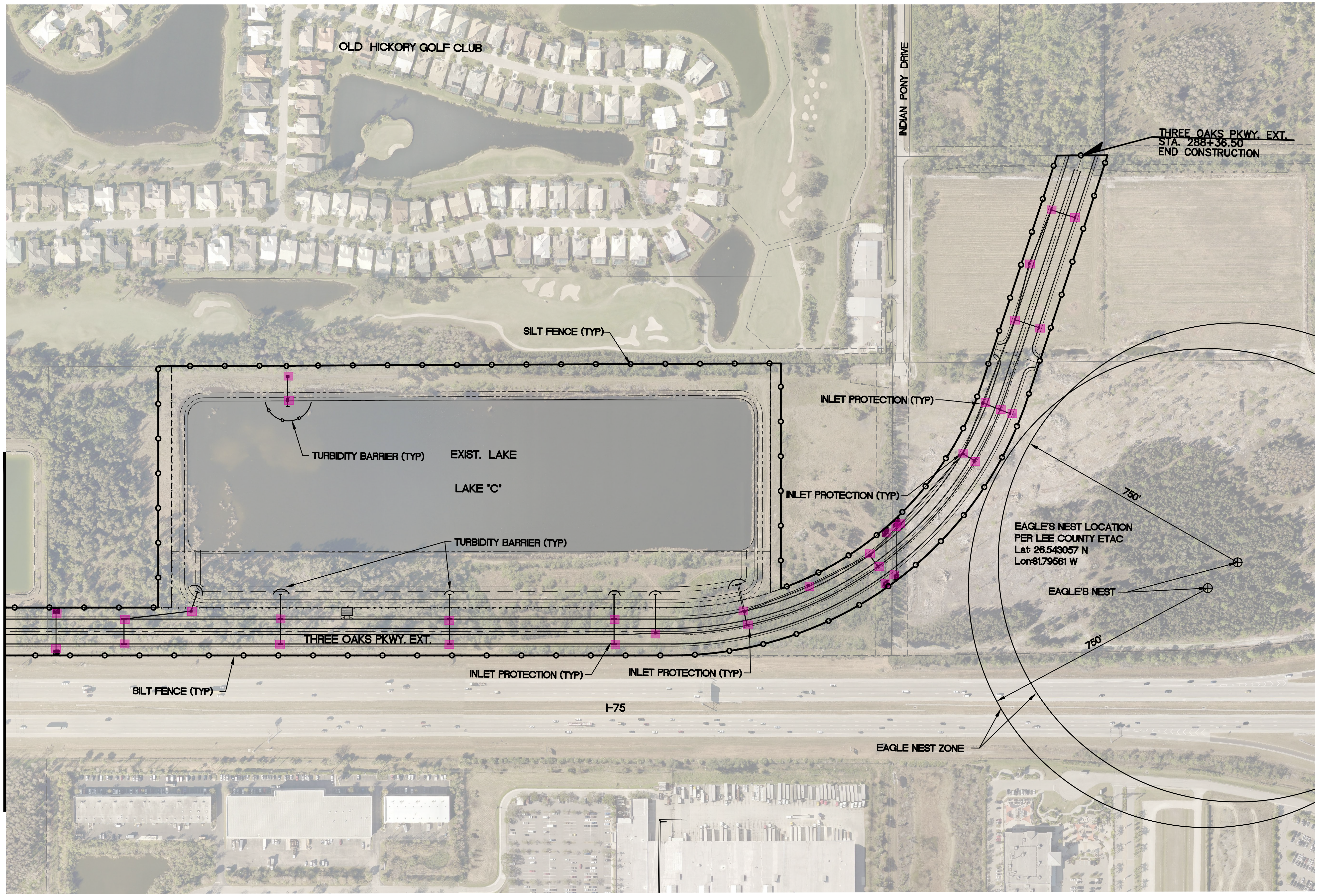
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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

EROSION CONTROL PLAN
THREE OAKS PKWY EXT.

SHEET
126 of 132



0' 100' 300'

SCALE: 1"= 300'

LEGEND

- INLET PROTECTION
- SILT FENCE
- TURBIDITY BARRIER

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\SILT_FENCE.dwg, 127 EROSION CONTROL PLAN, 6/16/2020 12:37:54 PM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

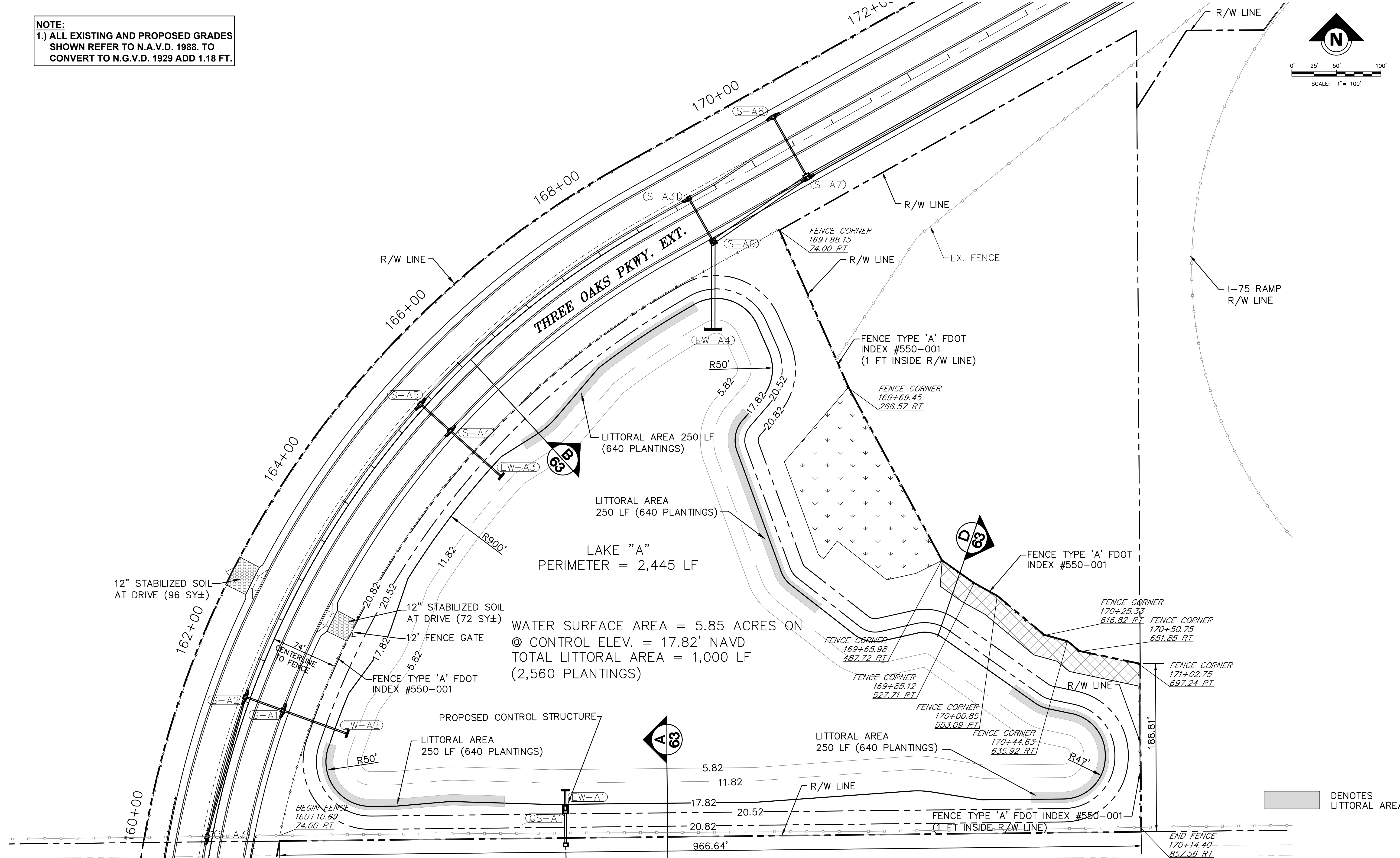
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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

EROSION CONTROL PLAN
THREE OAKS PKWY EXT.

SHEET
127 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.



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\Litoral_plantings.dwg, 128 LAKE-A LITTORAL PLANTINGS, 6/16/2020 12:38:07 PM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
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-A LITTORAL PLANTINGS
THREE OAKS PKWY EXT.

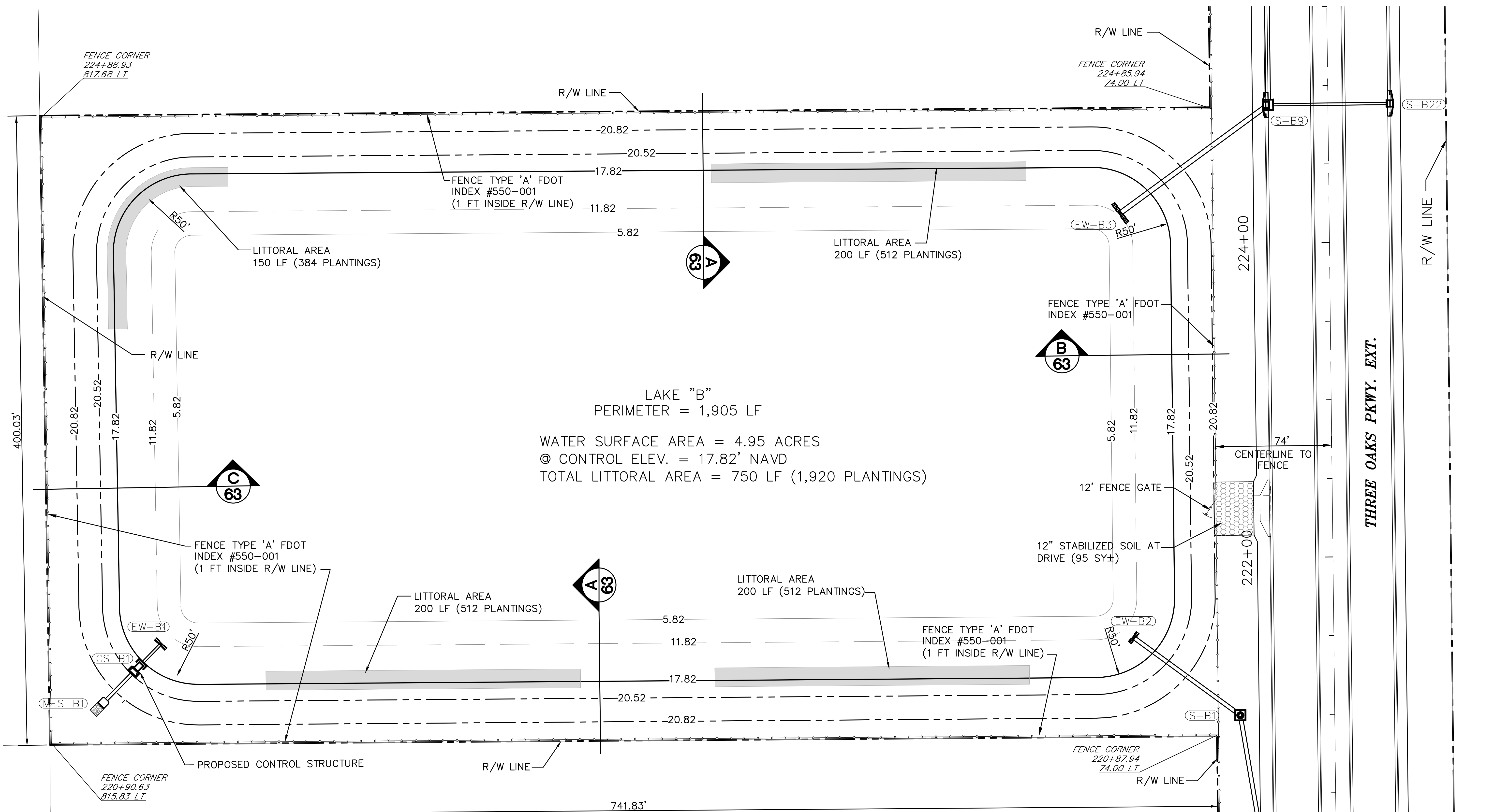
SHEET 128 of 132

DENOTES LITTORAL AREA

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.

N

0' 15' 30' 60'
SCALE: 1"= 30'



DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

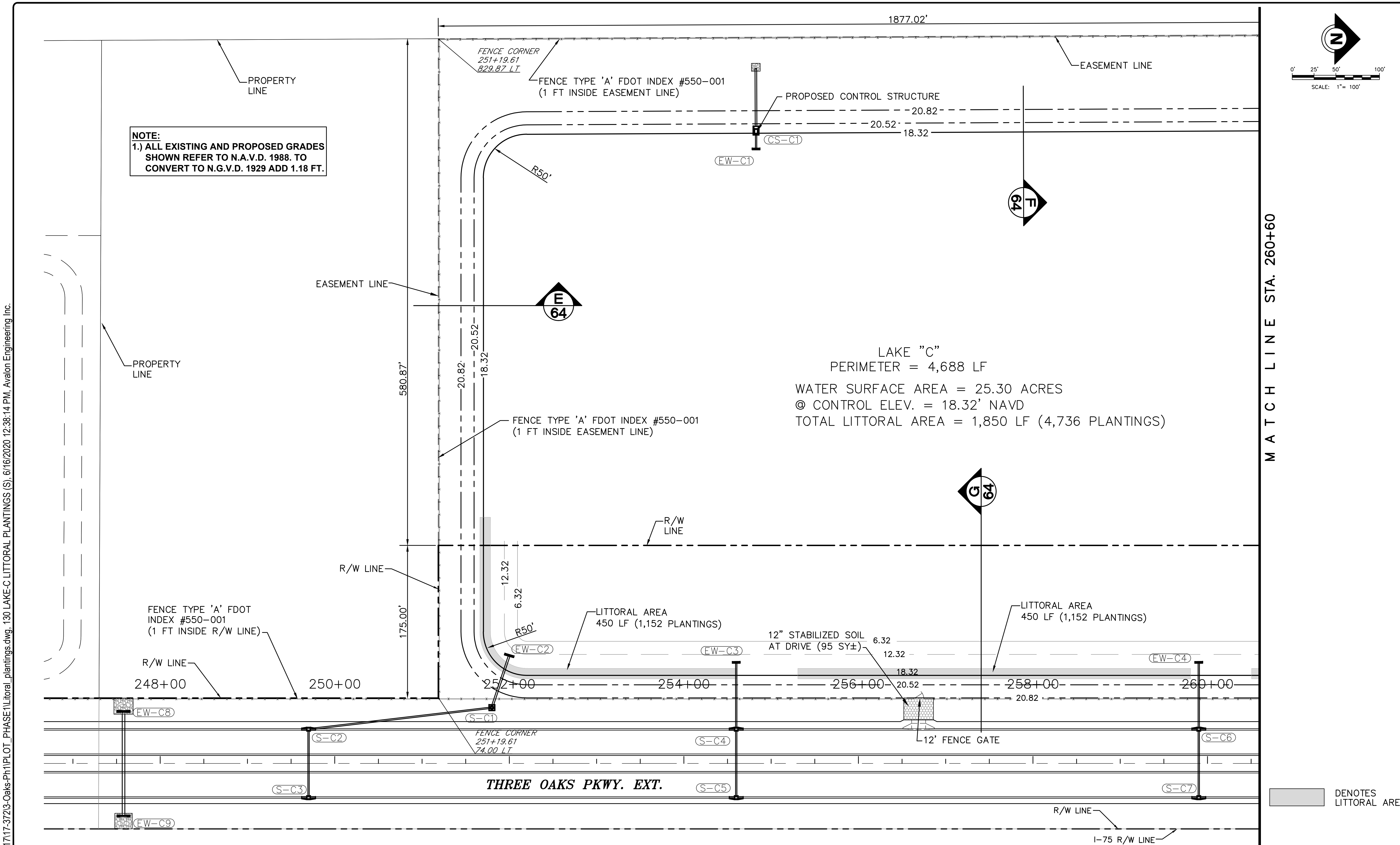
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

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-B LITTORAL PLANTINGS
THREE OAKS PKWY EXT.

SHEET
129 of 132



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\Littoral_plantings.dwg, 130 LAKE-C LITTORAL PLANTINGS (S), 6/16/2020 12:38:14 PM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

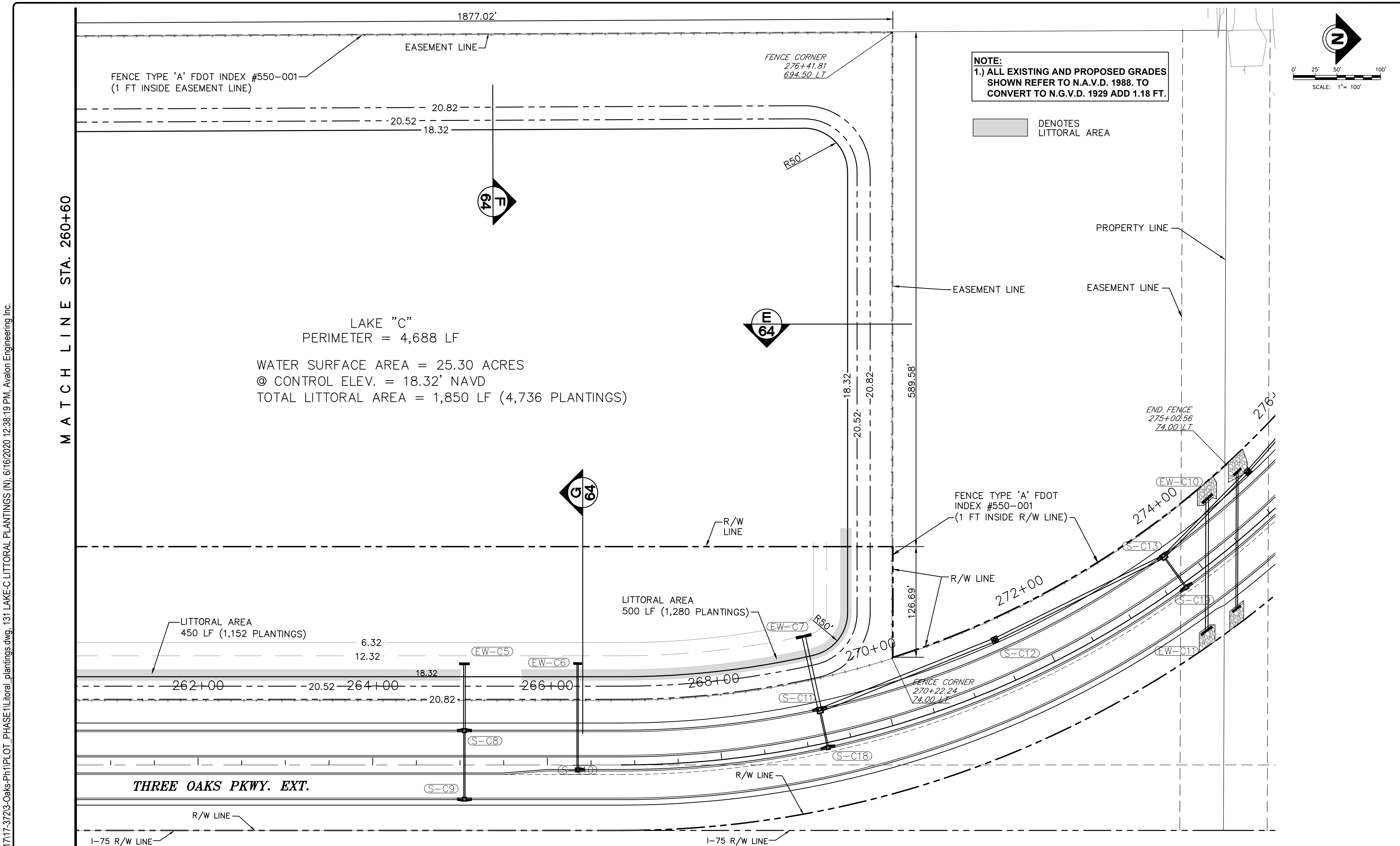
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE #3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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

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

SHEET
130 of 132



DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

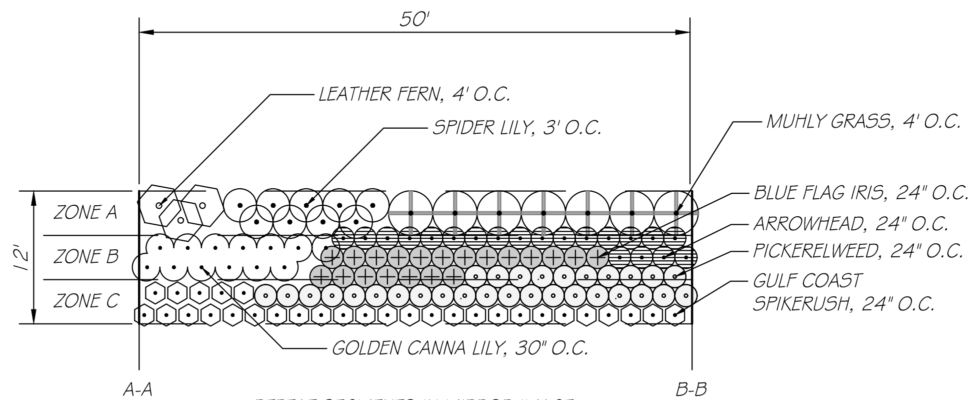
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

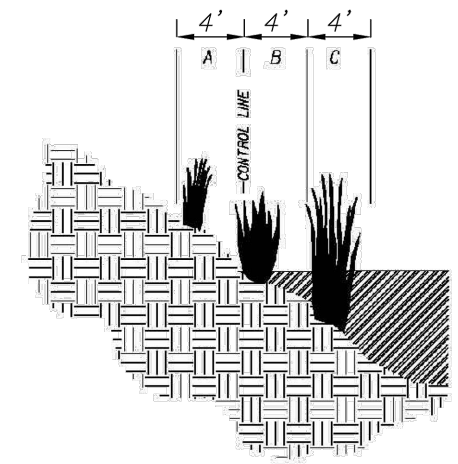
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

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

SHEET
131 of 132



TYPICAL LITTORAL PLANTING
N.T.S.



ZONE A: +1' TO CONTROL LINE OF LAKE.
ZONE B: CONTROL LINE OF LAKE TO -1'.
ZONE C: -1' to -2' BELOW CONTROL LINE OF LAKE.

TYPICAL LITTORAL SECTION
N.T.S.

SAMPLE LITTORAL PLANT LIST FOR 50 LF SHORELINE

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

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

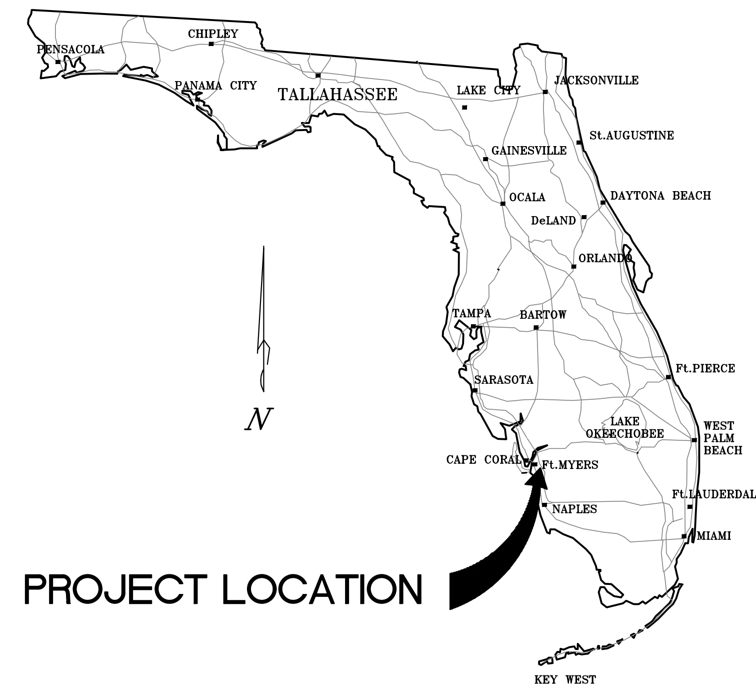
District ONE	District TWO	District THREE	District FOUR	District FIVE
John Manning	*Cecil Pendergrass*	*Ray Sandelli*	*Brian Hamman*	*Frank Mann*

LEE COUNTY MANAGER

Roger Desjarlais

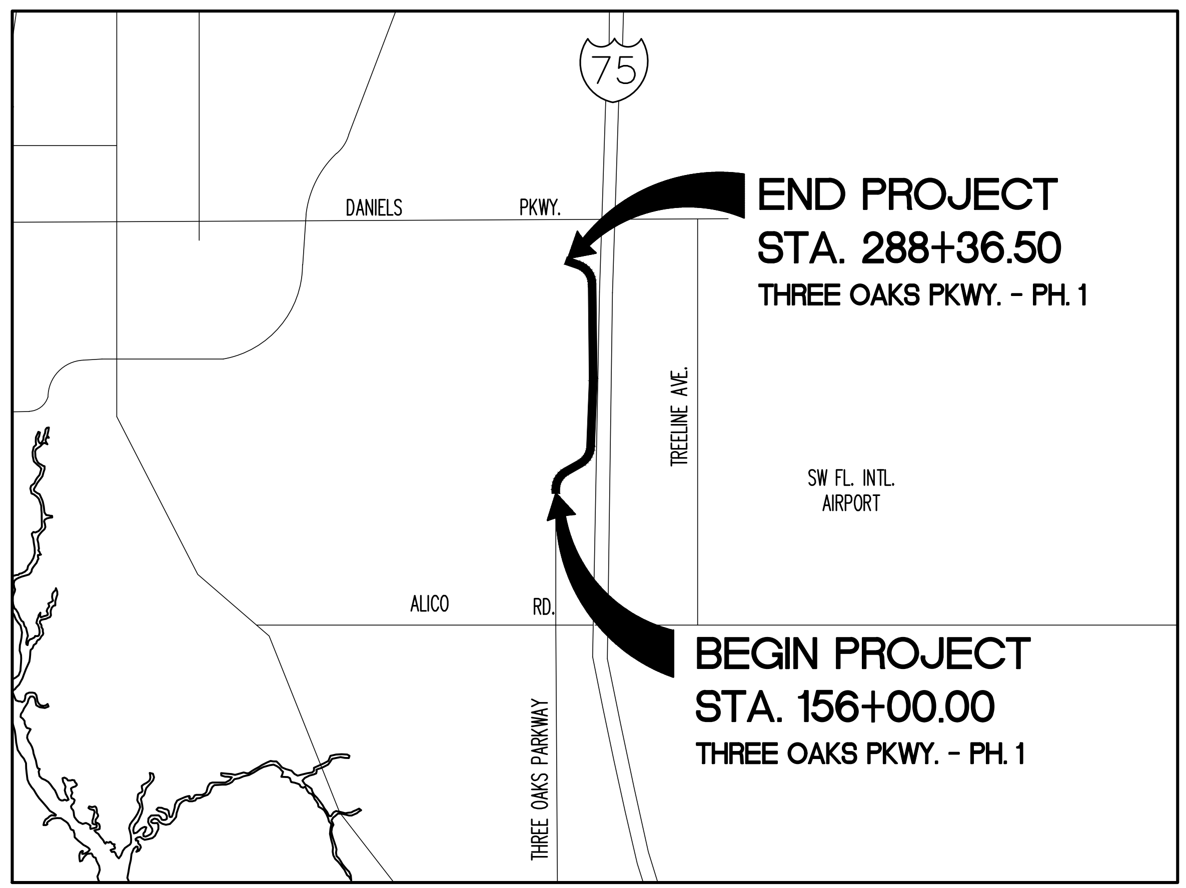
LEE COUNTY DEPARTMENT OF TRANSPORTATION

Randy Cerchie, Director
Vincent Miller, Project Manager



VICINITY MAP
N.T.S.

SIGNING AND PAVEMENT MARKING PLANS



LOCATION MAP
N.T.S.

INDEX OF SIGNING AND PAVEMENT MARKING PLANS

S1	KEY SHEET
S2	TABULATION OF QUANTITIES
S3	GENERAL NOTES
S4 TO S5	PROJECT LAYOUT
S6 TO S15	SIGNNG AND PAVEMENT MARKING PLANS

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, DATED JULY 2019, DESIGN STANDARDS 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.
DATUM CONVERSION: NAVD'88 = (-)1.18 NGVD'29

ROADWAY PLANS
ENGINEER OF RECORD: JACK SCHRAGER, P.E.
FL. LICENSE NO._________24070_________

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\SPM_PHASE1\Cover_SPM-3-OAKS.dwg, S1 KEY SHEET, 6/16/2020 11:28:55 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

KEY SHEET
THREE OAKS PKWY EXT.

SHEET
S1 of 15

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																				TOTAL ALL SHEETS	
			S-6		S-7		S-8		S-9		S-10		S-11		S-12		S-13		S-14		S-15			
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
700-1-11	SINGLE POST SIGN, F&I, LESS THAN 12 SF	AS	8		0		2		0		4		0		2		0		2		21		39	
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS (ALL COLORS, INCLUDES MD/Y RPMS FOR THE ISLAND END)	EA	88		71		72		72		72		72		72		72		72		17		680	
710-111-01	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	0.506		0.523		0.530		0.530		0.530		0.530		0.530		0.530		0.530		0.123		4.862	
710-111-31	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP, 10-30 SKIP,6" WIDE	GM	0.506		0.523		0.530		0.530		0.530		0.530		0.530		0.530		0.530		0.123		4.862	
710-111-60	PAINTED PAVEMENT MARKING, STANDARD, WHITE, MESSAGE, (INCLUDES BIKE SYM)	EA	4		2		2		2		4		2		2		4		2				24	
710-112-01	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	0.509		0.523		0.530		0.530		0.530		0.530		0.530		0.530		0.530		0.123		4.865	
710-11-290	PAINTED PAVEMENT MARKINGS,STANDARD,YELLOW (ISLAND NOSE)	SF	24																				24	

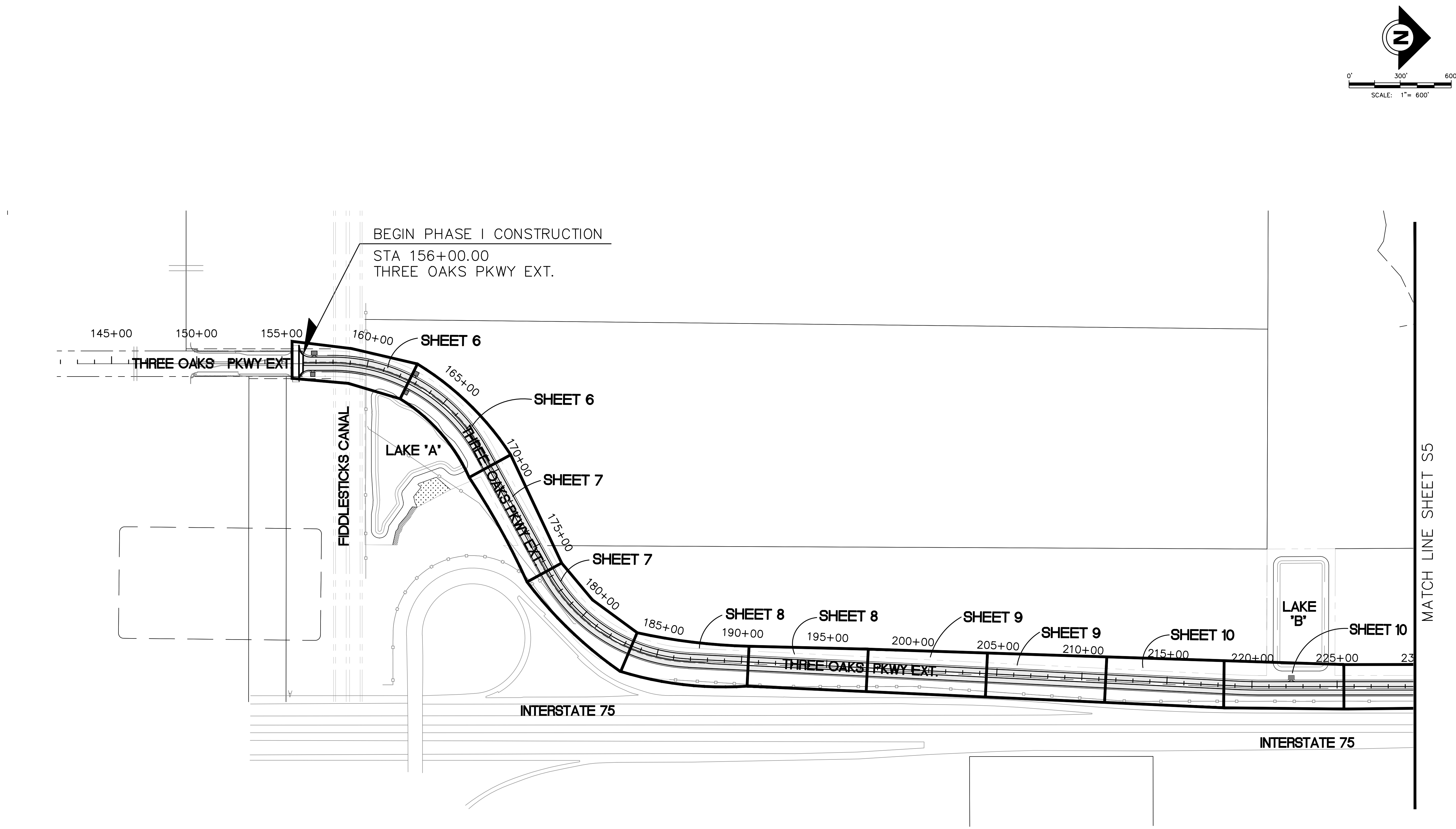
NOTE: ALL PAVEMENT MARKINGS FOR PHASE I CONSTRUCTION SHALL BE PAINTED (FINAL LIFT OF ASPHALT TO BE PLACED AT LATER DATE)

SIGNING AND PAVEMENT MARKING GENERAL NOTES:

1. THE IMPLEMENTATION OF THE SIGNING AND PAVEMENT MARKING PLANS SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), THE 2018 EDITION OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE 2019/2020 EDITION OF THE FDOT DESIGN STANDARDS.
2. TEMPORARY PAVEMENT MARKINGS SHALL CONFORM TO TECHNICAL PROVISION 710 – PAINTED TRAFFIC STRIPES AND MARKINGS.
3. ALL STRIPING SHALL BE APPLIED BEFORE RAISED REFLECTIVE PAVEMENT MARKERS (RPMS) ARE INSTALLED.
4. ALL PAVEMENT MARKINGS SHALL BE PAINTED UNLESS OTHERWISE NOTED.
5. ALL PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH INDEX NO. 710 ALL.
6. PLACEMENT OF RPMS SHALL BE IN ACCORDANCE WITH INDEX NO. 706.
7. ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH INDEX NO. 700 AND LEE COUNTY SIGN AND INSTALLATION STANDARDS.
8. SIGN ASSEMBLY LOCATIONS WHICH ARE IN CONFLICT WITH LIGHTING, UTILITIES, DRIVEWAYS, CURB CUTS, ETC. MAY BE ADJUSTED BY THE ENGINEER IN ACCORDANCE WITH THE MUTCD.
9. ALL SIGNS SHALL BE NEW, UNLESS OTHERWISE NOTED. THE EXISTING SIGNS SHALL BE SALVAGED, DISMANTLED AND DELIVERED TO LEE COUNTY.
10. OFFSETS SHOWN ON THE PLANS ARE FROM THE CENTERLINE OF CONSTRUCTION.
11. MATCH EXISTING PAVEMENT MARKINGS AT THE BEGINNING AND END OF THE PROJECT, AT INTERSECTIONS, AND AT ALL SIDE STREETS.
12. ANY EXISTING PAVEMENT MARKINGS TO REMAIN, WHICH ARE DAMAGED DURING CONSTRUCTION, SHALL BE REFURBISHED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.
13. THE FOLLOWING ABBREVIATIONS ARE USED ON THESE PLANS:
    RPMS – RAISED REFLECTIVE PAVEMENT MARKERS
    W/R – BI-DIRECTIONAL WHITE/RED
    MD/Y – MONO-DIRECTIONAL YELLOW

LEE COUNTY DOT SIGNAGE NOTES:

1. ALL SIGN PANELS INSTALLED ON LEE COUNTY ROADWAYS TO BE OF GRADE 5052 H38 ALUMINUM MATERIAL WITH A THICKNESS OF .080 INCHES (2.0 MM) OR GREATER.
2. ALL SIGNS SHALL HAVE THE SHAPE AND SIZE AS SPECIFIED IN THE LATEST VERSION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
3. ANY BORDER OR FRAME AROUND A SIGN SHALL MAINTAIN THE SAME SHAPE AS THE SIGN.
4. SIGN POSTS, FOUNDATIONS, AND MOUNTINGS SHALL BE SO CONSTRUCTED AS TO HOLD SIGNS IN A PROPER AND PERMANENT POSITION, AND TO RESIST SWAYING IN THE WIND OR DISPLACEMENT BY VANDALISM.
5. SIGN POST SHALL BE A MINIMUM OF 14 GAUGE STEEL, 2" SQUARE WITH A GALVANIZED COATING.
6. EXTENSION SLEEVES, IF USED, SHALL BE A MINIMUM OF 12 GAUGE STEEL, 2.25" SQUARE WITH A GALVANIZED COATING.
7. THE SIGN POST OR SLEEVE SHALL BE INSTALLED A MINIMUM OF 30" BELOW THE FINISHED GRADE.
8. SLEEVES, IF USED, MAY NOT PROTRUDE MORE THAN 3" ABOVE THE FINISHED GRADE.
9. SLEEVES AND SIGN POST SHOULD BE POUNDED FIRMLY, EITHER MANUALLY OR MECHANICALLY INTO THE GROUND.
10. IF HOLES ARE HAND DUG, AN 8" X 3/8" DIAMETER GALVANIZED STEEL SPIKE OR APPROVED OTHER MECHANISM SHALL BE PLACED THROUGH OR AROUND THE POST SECURELY APPROXIMATELY 1' UP FROM BOTTOM OF HOLE TO PROVIDE UPLIFT RESISTANCE.
11. HOLES DUG FOR ALL POSTS OR SLEEVES SHALL BE COMPACTED IN 6 INCH LIFTS.
12. BOLTS, WASHERS, AND NUTS SHALL BE 5/16 INCH STAINLESS STEEL, GRADE 5 OR GREATER.
13. LOCK NUTS WITH NYLON INSERT SHALL BE USED ON ALL INSTALLATIONS.
14. STAINLESS STEEL WASHERS .080 INCH (2.0 MM) OR GREATER THICKNESS TO BE INSTALLED ON FACE OF SIGN AT EACH FASTENING POINT. WASHERS SHALL HAVE NOMINAL SAE DIMENSIONS.
15. FASTENER POINTS ARE TO BE 3" FROM TOP AND BOTTOM OF SIGN PANEL WITH NO DISTANCE GREATER THAN 30 INCHES UNFASTENED TO SIGN POST WHETHER SINGLE OR MULTI-POST INSTALLATION.
16. ALL FASTENING HARDWARE SHALL BE SECURELY FASTENED WITHOUT RESULTING IN DAMAGE TO SIGN SHEETING.
17. REGULATORY, WARNING, AND GUIDE SIGNS SHALL BE RETRO REFLECTIVE TO SHOW THE SAME SHAPE AND SIMILAR COLOR BY BOTH DAY AND NIGHT. SIGN SHEETING WITH AN ASTM D4956-01 TYPE IV (EQUIVALENT TO 3M HI-INTENSITY OR AVERY DENNISON PRISMATIC) OR BETTER RETRO REFLECTIVITY SHALL BE USED. A SIGN'S RETRO REFLECTIVITY SHALL MEET OR EXCEED STANDARDS SET FORTH IN THE LATEST VERSION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. PARKING, STANDING, AND STOPPING SIGNS R7 AND R8 SERIES, WALKING, HITCHHIKING, CROSSING SIGNS R9 SERIES R10-1 THROUGH R10-4, ACKNOWLEDGEMENT SIGNS AND CERTAIN BIKEWAY SIGNS THAT ARE INTENDED FOR EXCLUSIVE USE BY BICYCLIST OR PEDESTRIANS MAY USE LOWER SHEETING GRADES.
18. SIGN ILLUMINATION SHALL NOT BE CONSIDERED AS A SATISFACTORY ALTERNATIVE TO RETRO REFLECTIVITY.
19. REQUIREMENTS FOR SIGN ILLUMINATION SHALL NOT BE CONSIDERED TO BE SATISFIED BY STREET OR HIGHWAY LIGHTING.
20. ONLY SYMBOLS RECOGNIZED BY THE LATEST VERSION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES MAY BE USED ON SIGNS.
21. UNLESS SPECIFICALLY STATED OTHERWISE, EACH SIGN ILLUSTRATED HEREIN SHALL HAVE A BORDER OF THE SAME COLOR AS THE LEGEND, AT OR JUST INSIDE THE EDGE. THE WIDTH OF THE BORDER SHALL BE AS DESCRIBED IN THE STANDARD HIGHWAY SIGNS MANUAL PUBLISHED BY FHWA.
22. THE CORNERS OF ALL SIGN BORDERS SHALL BE ROUNDED WITH A THREE (3) INCH RADIUS, EXCEPT FOR STOP SIGNS.
23. SIGNS INSTALLED AT THE SIDE OF THE ROAD IN RURAL DISTRICTS SHALL BE AT LEAST 1.5 M (5 FT) HIGH, MEASURED FROM THE BOTTOM OF THE SIGN TO THE NEAR EDGE OF THE PAVEMENT.
24. WHERE PARKING OR PEDESTRIAN MOVEMENTS OCCUR, THE CLEARANCE TO THE BOTTOM OF THE SIGN SHALL BE AT LAST 2.1 M (7 FT) HIGH.
25. THE BOTTOM OF A SIGN SHALL BE A MAXIMUM OF 8 FEET HIGH MEASURED FROM THE BOTTOM OF THE SIGN TO THE NEAR EDGE OF THE PAVEMENT.
26. DIRECTIONAL SIGNS, ROUTE SIGNS, WARNING SIGNS, AND REGULATORY SIGNS ON FREEWAYS AND EXPRESSWAYS SHALL BE INSTALLED WITH A MINIMUM HEIGHT OF 2.1 M (7 FT).
27. IF A SECONDARY SIGN IS MOUNTED BELOW ANOTHER SIGN, THE MAJOR SIGN SHALL BE INSTALLED AT LEAST 2.4 M (8 FT) AND THE SECONDARY SIGN AT LEAST 1.5 M (5 FT) ABOVE THE LEVEL OF THE PAVEMENT EDGE.
28. GROUND-MOUNTED SIGN SUPPORTS SHALL BE BREAKAWAY, YIELDING, OR SHIELDED WITH A LONGITUDINAL BARRIER OR CRASH CUSHION IF WITHIN THE CLEAR ZONE.



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\SPM_PHASE1\LAYOUT_PHASE1_SPM.dwg, S4 PROJECT LAYOUT, 6/16/2020 11:29:10 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

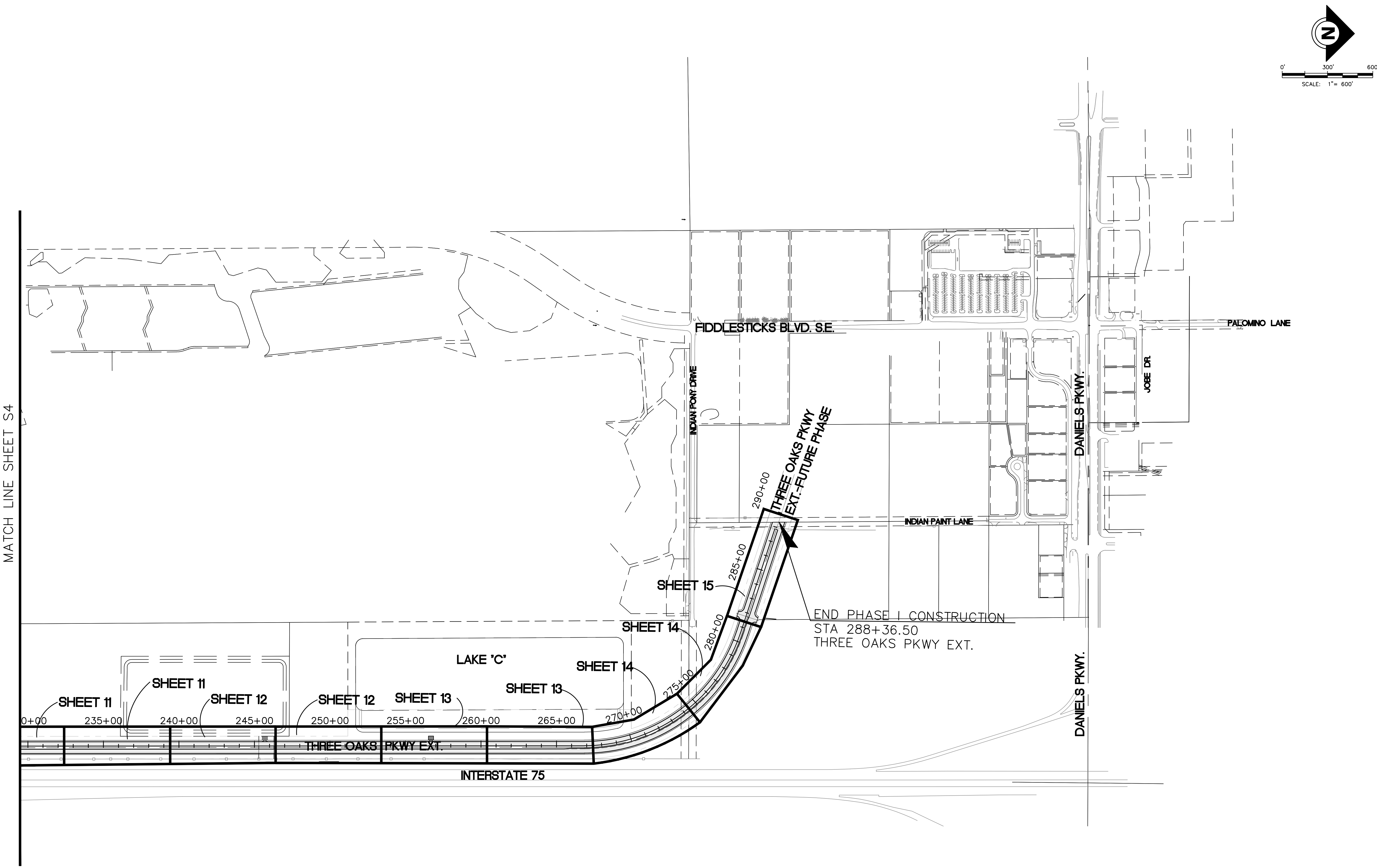
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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

PROJECT LAYOUT
THREE OAKS PKWY EXT.

SHEET
S4 of 15



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\SPM_PHASE1\LAYOUT_PHASE1_SPM.dwg, S5 PROJECT LAYOUT, 6/16/2020 11:29:13 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

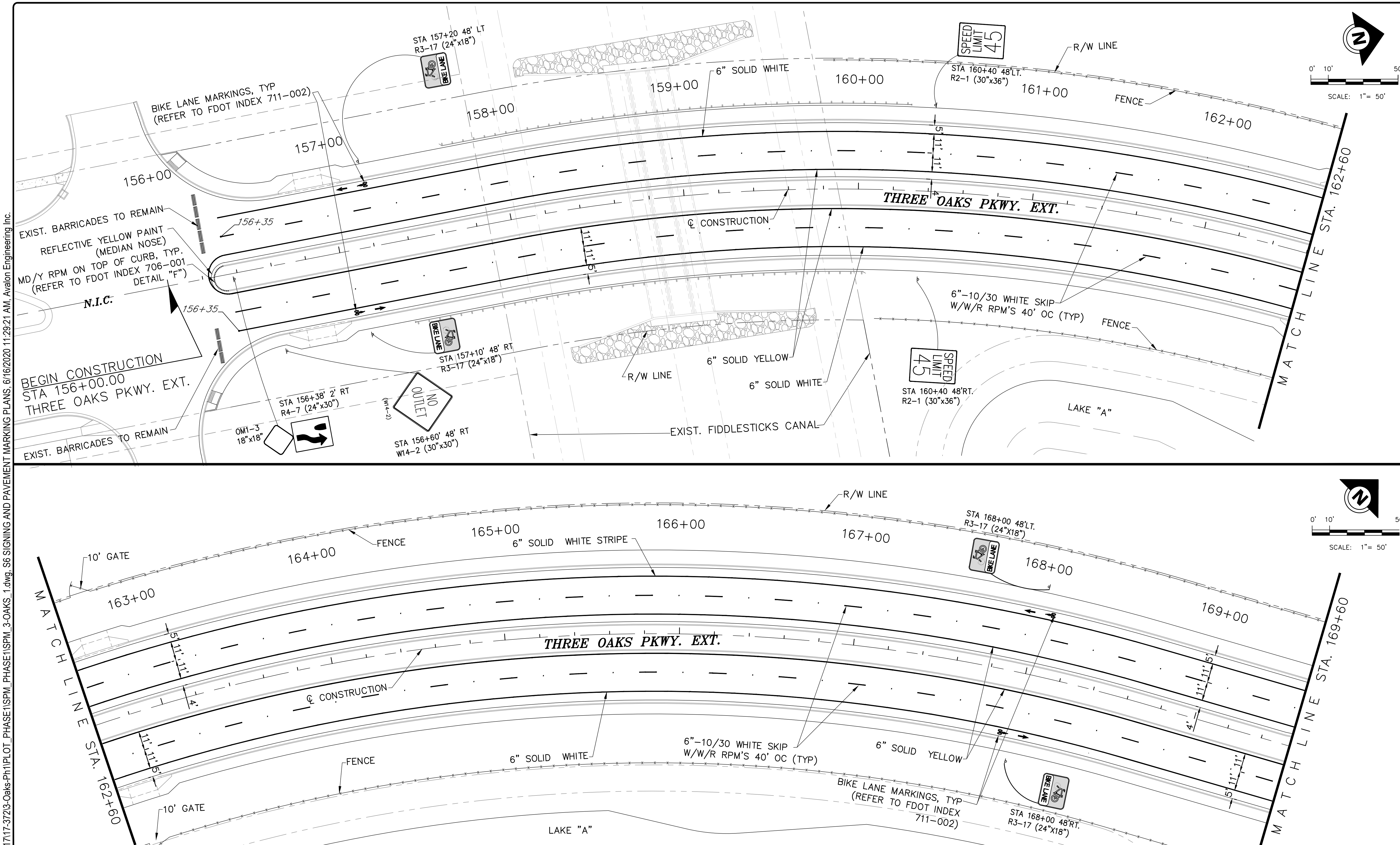
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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

PROJECT LAYOUT
THREE OAKS PKWY EXT.

SHEET
S5 of 15

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\SPM_PHASE1\SPM_3-OAKS_1.dwg, S6 SIGNING AND PAVEMENT MARKING PLANS, 6/16/2020 11:29:21 AM, Avalon Engineering Inc.



DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

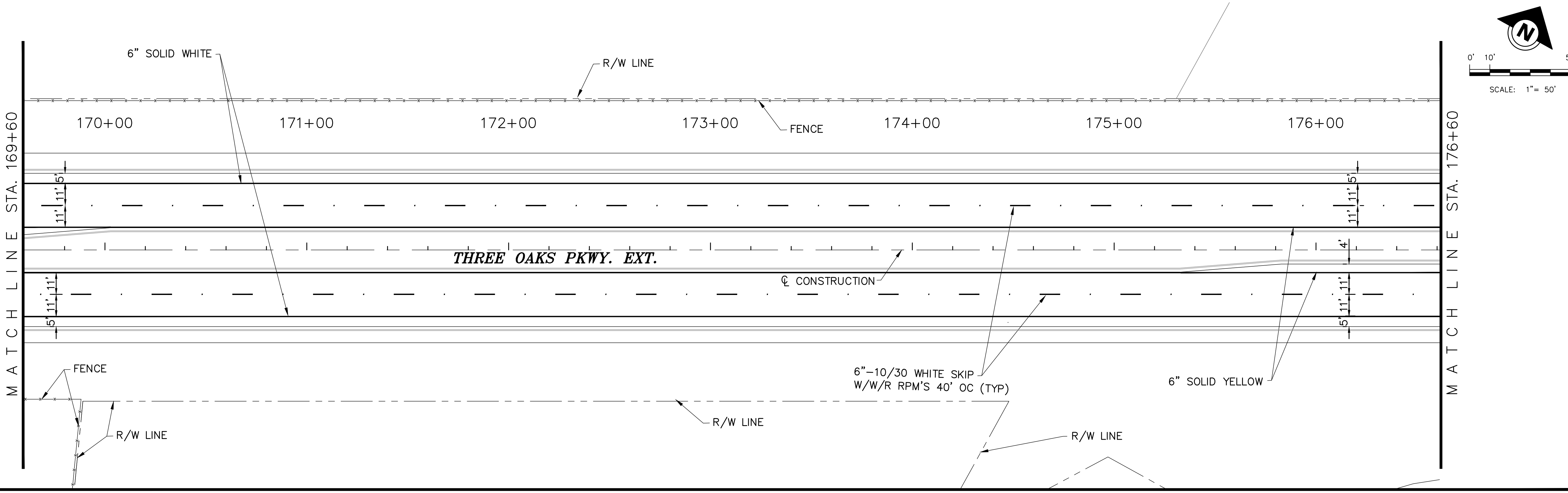
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

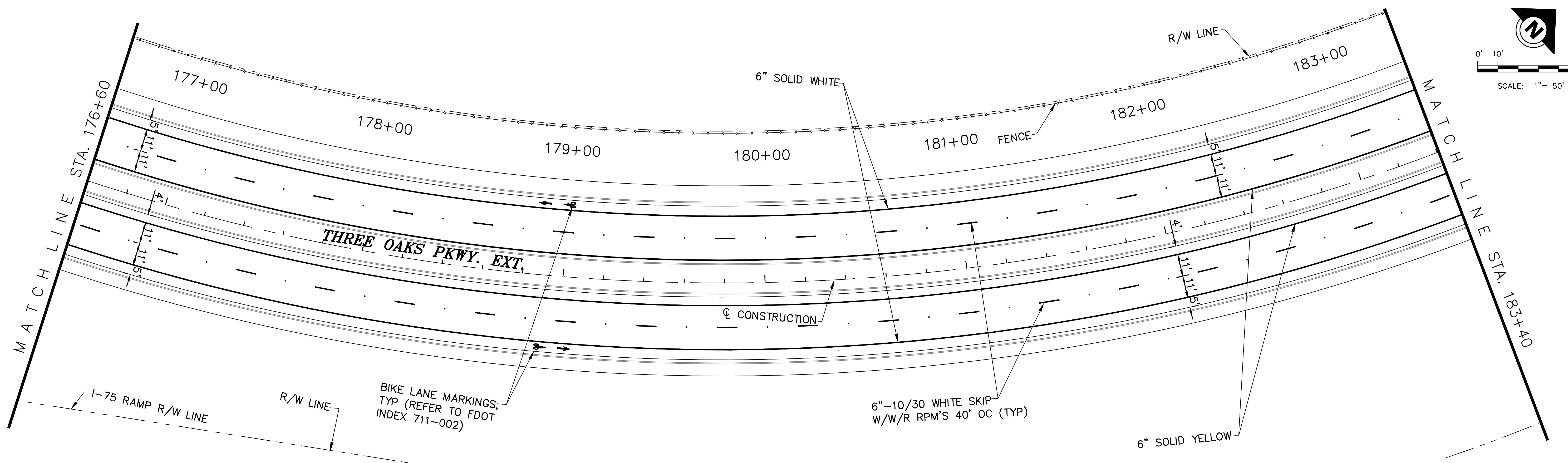
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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

SIGNING AND PAVEMENT MARKING PLANS
THREE OAKS PKWY EXT.

SHEET
S6 of 15





DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
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

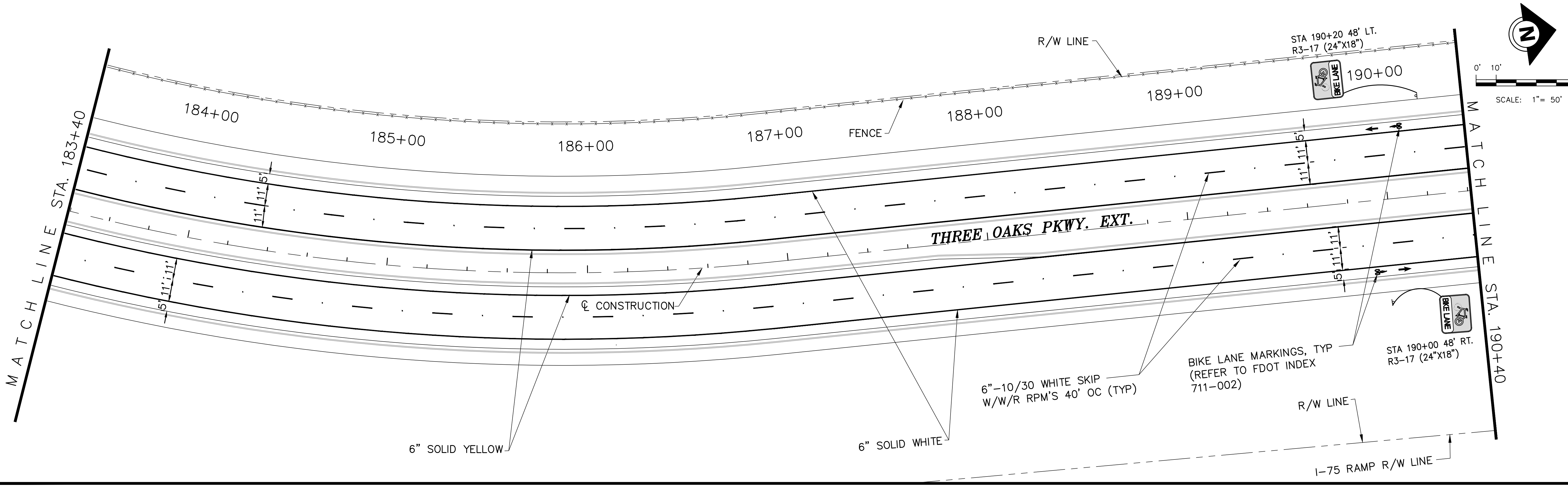
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

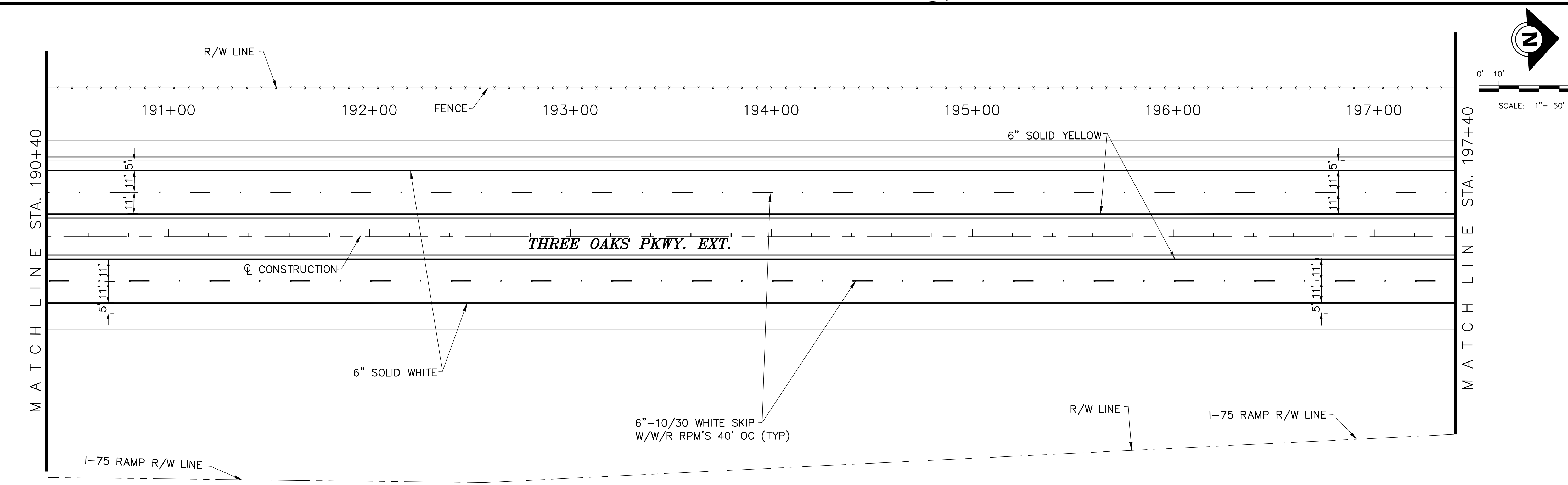
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

SIGNING AND PAVEMENT MARKING PLANS
THREE OAKS PKWY EXT.

SHEET
S7 of 15

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\SPM_PHASE1\SPM_3-OAKS_1.dwg, S8 SIGNING AND PAVEMENT MARKING PLANS, 6/16/2020 11:29:34 AM, Avalon Engineering Inc.





DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

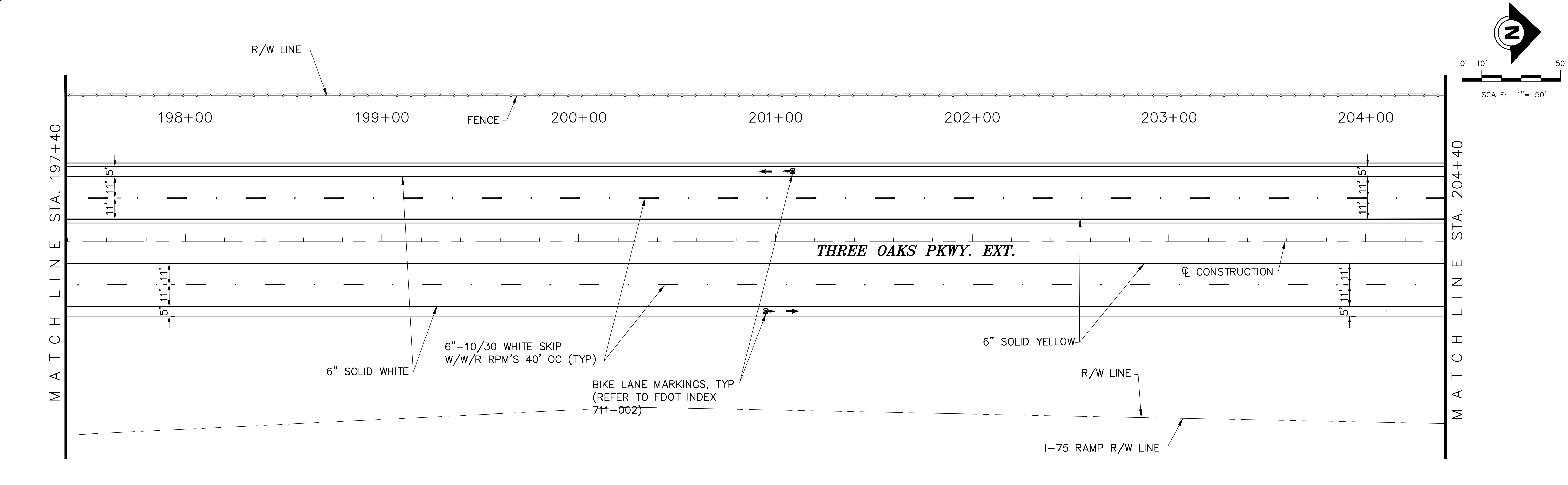
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

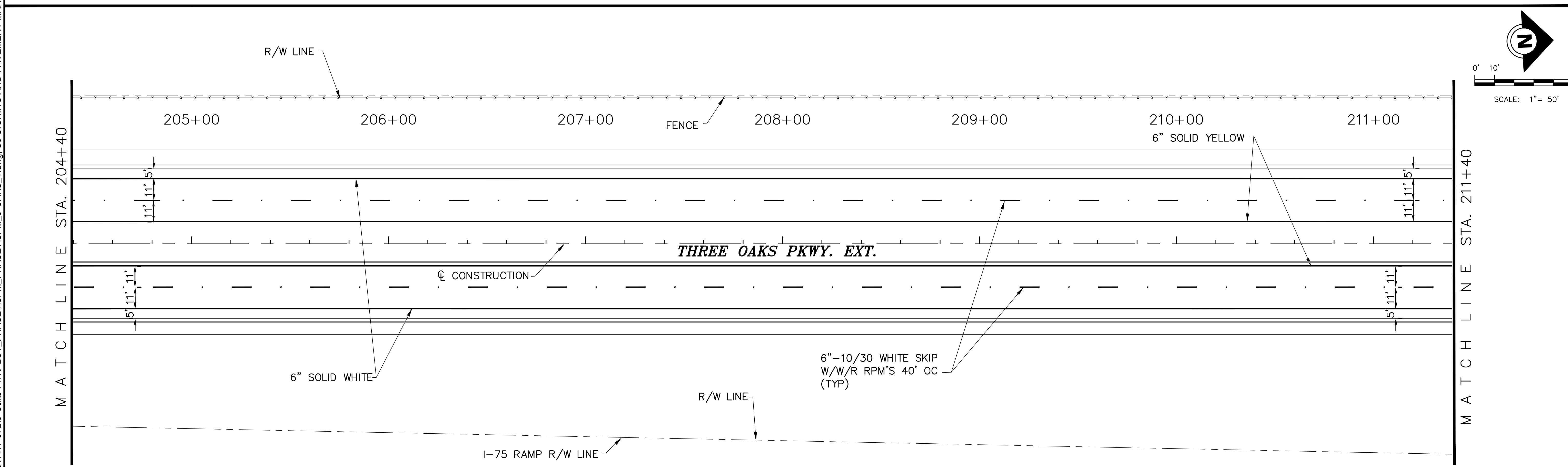
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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

SIGNING AND PAVEMENT MARKING PLANS
THREE OAKS PKWY EXT.

SHEET
S8 of 15





P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\SPM_PHASE1\SPM_3-OAKS_1.dwg, S9 SIGNING AND PAVEMENT MARKING PLANS, 6/16/2020 11:29:39 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

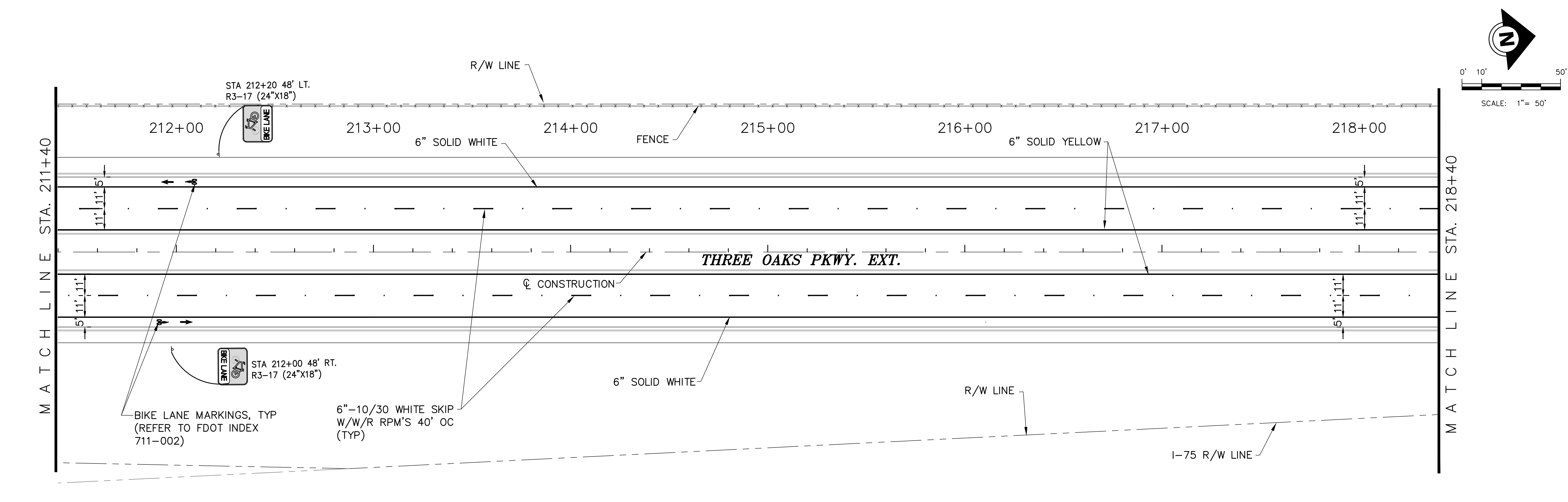
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

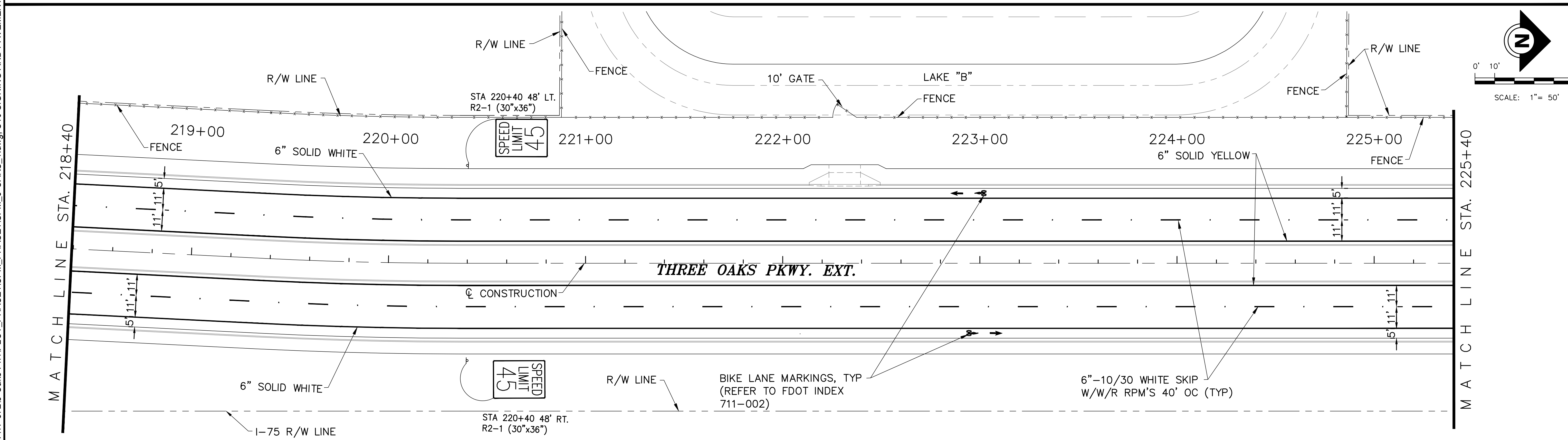
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

SIGNING AND PAVEMENT MARKING PLANS
THREE OAKS PKWY EXT.

SHEET
S9 OF 15

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\SPM_PHASE1\SPM_3-OAKS_1.dwg, S10 SIGNING AND PAVEMENT MARKING PLANS, 6/16/2020 11:29:44 AM, Avalon Engineering Inc.





DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
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

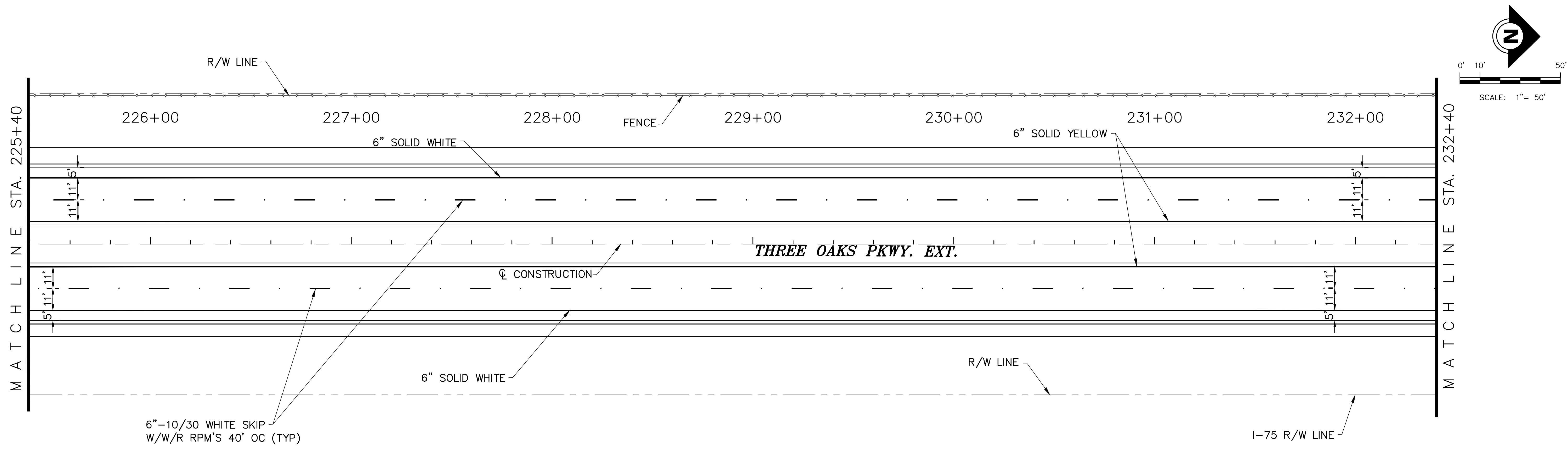
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

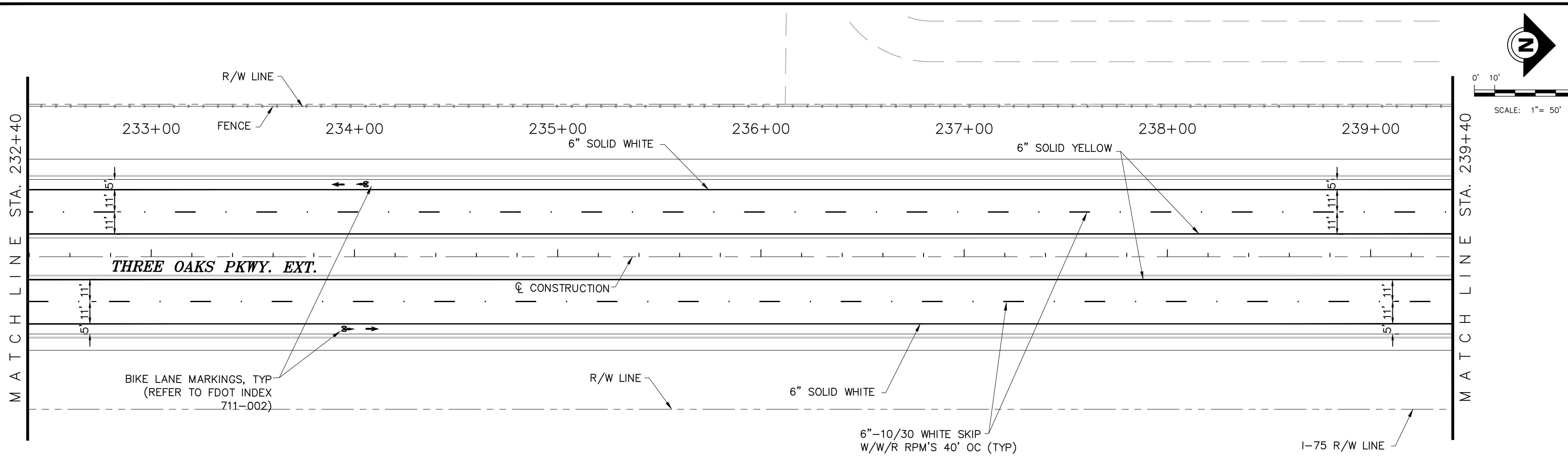
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

SIGNING AND PAVEMENT MARKING PLANS
THREE OAKS PKWY EXT.

SHEET
S10 of 15

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\SPM_PHASE1\SPM_3-OAKS_1.dwg, S11 SIGNING AND PAVEMENT MARKING PLANS, 6/16/2020 11:29:49 AM, Avalon Engineering Inc.





DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

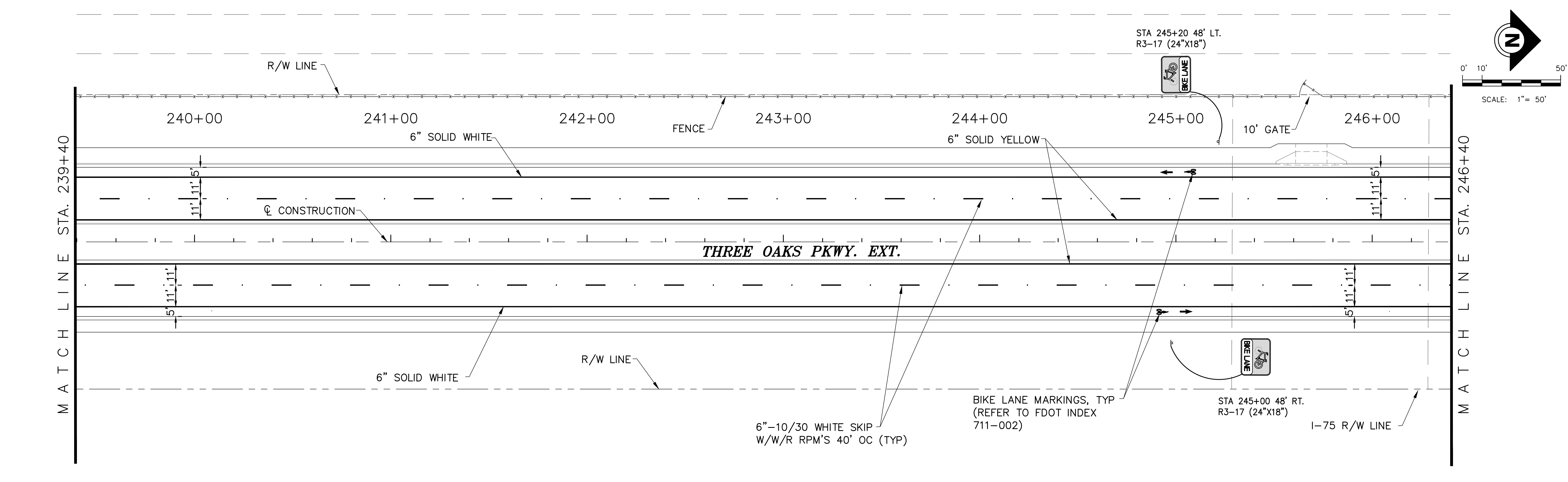
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

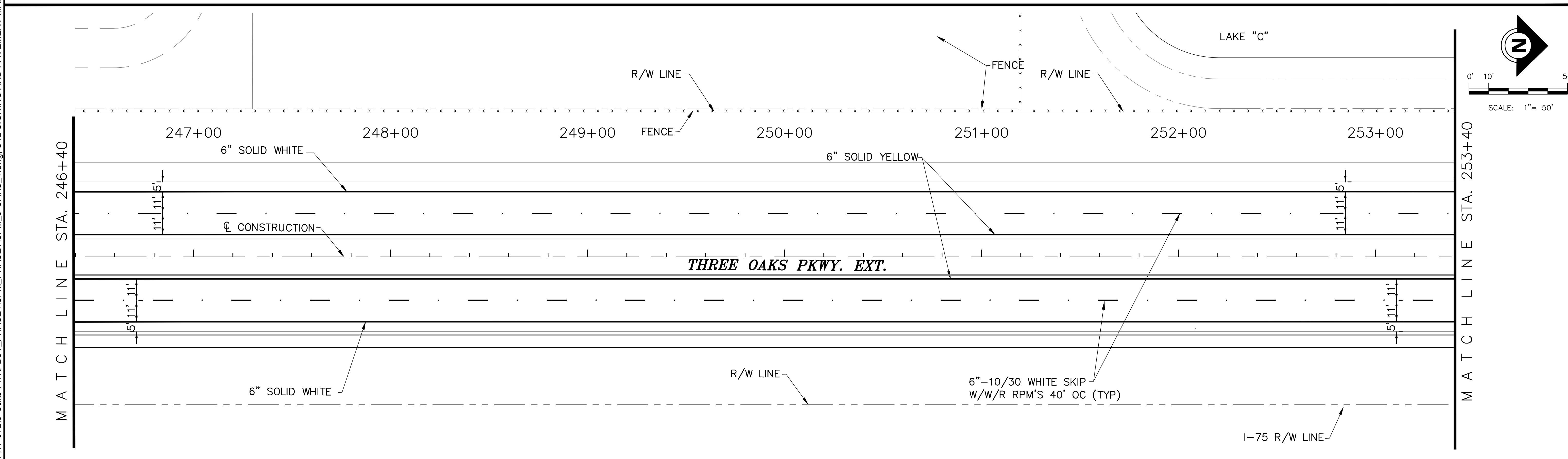
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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

SIGNING AND PAVEMENT MARKING PLANS
THREE OAKS PKWY EXT.

SHEET
S11 of 15





DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schrager, PE, VP
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

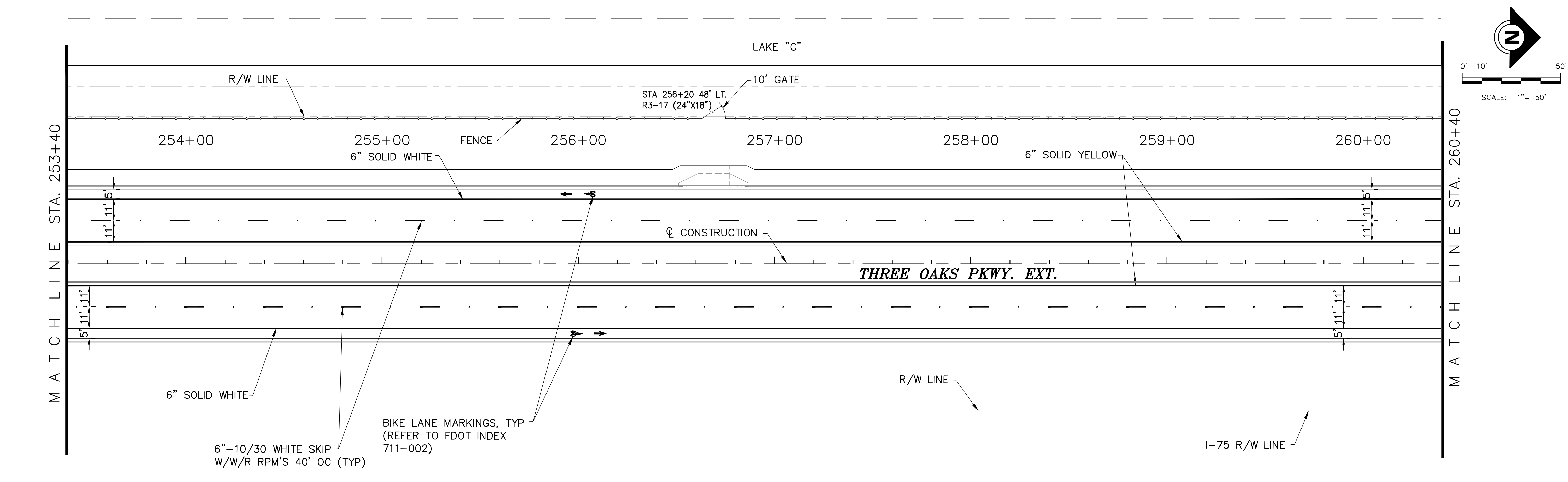
LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

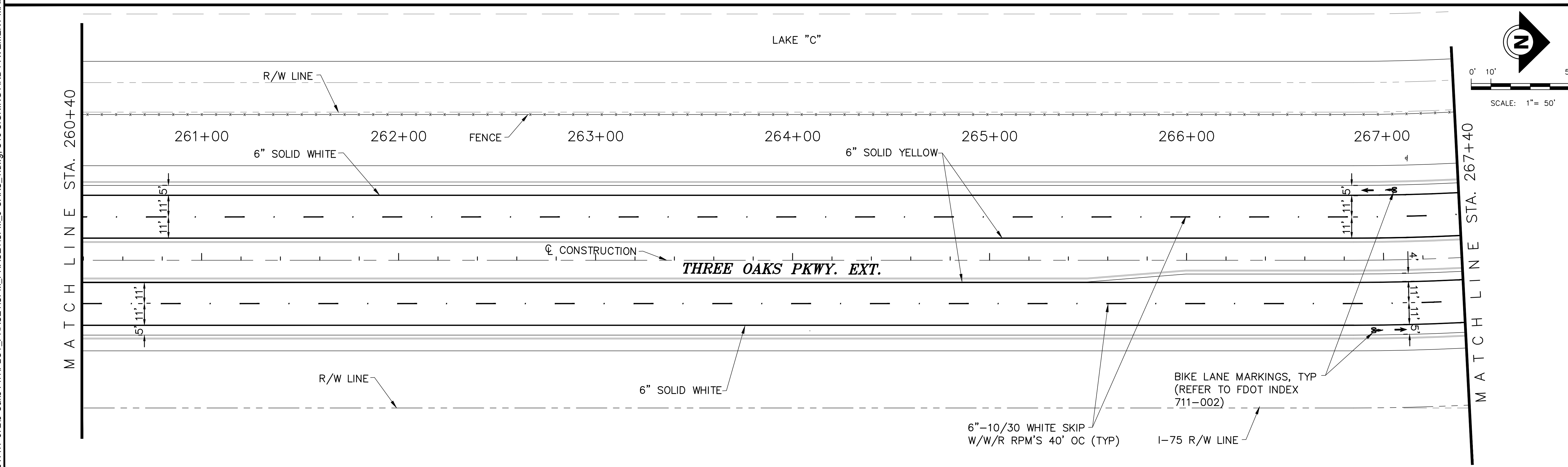
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

SIGNING AND PAVEMENT MARKING PLANS
THREE OAKS PKWY EXT.

SHEET
S12 of 15

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\SPM_PHASE1\SPM_3-OAKS_1.dwg, S12 SIGNING AND PAVEMENT MARKING PLANS, 6/16/2020 11:29:54 AM, Avalon Engineering Inc.





DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
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

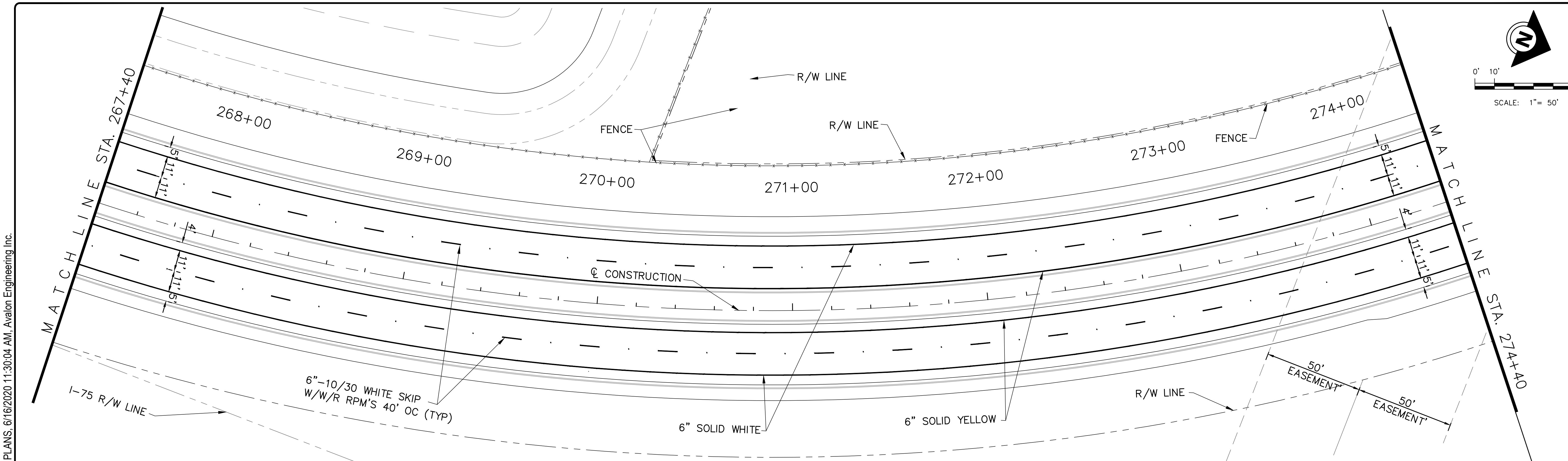
THREE OAKS PARKWAY EXTENSION
PHASE 1: FIDDLESTICKS CANAL TO STA 288+36.50
LEE COUNTY, FLORIDA

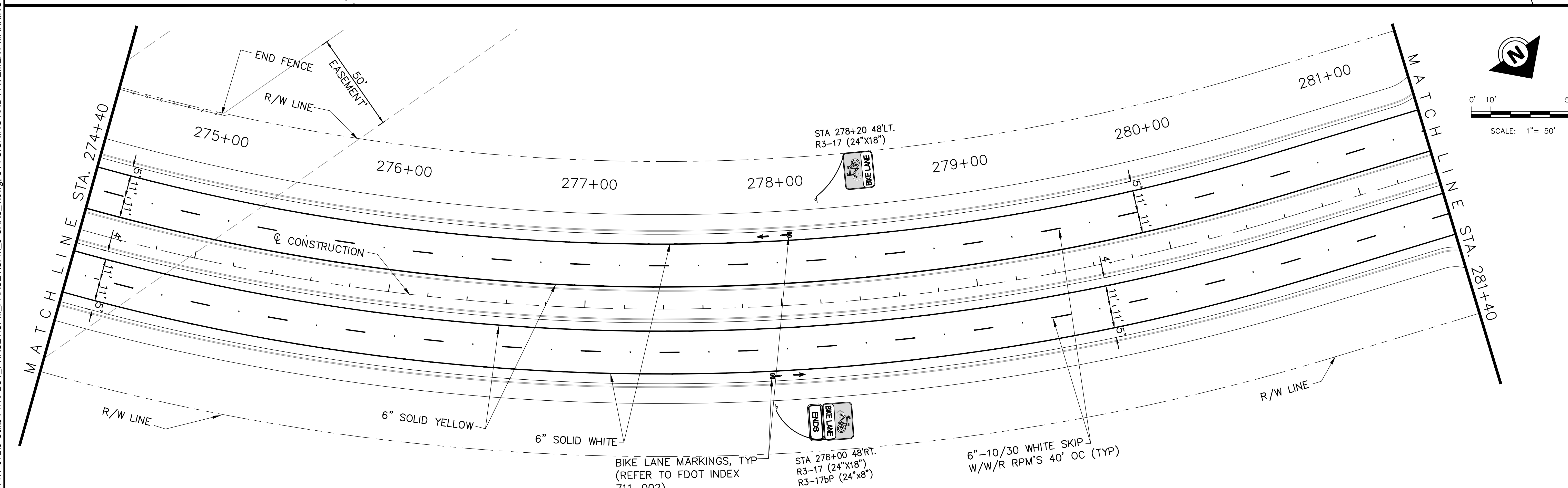
SIGNING AND PAVEMENT MARKING PLANS
THREE OAKS PKWY EXT.

SHEET
S13 of 15

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\SPM_PHASE1\SPM_3-OAKS_1.dwg, S13 SIGNING AND PAVEMENT MARKING PLANS, 6/16/2020 11:29:59 AM, Avalon Engineering Inc.

P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\SPM_PHASE1\SPM_3-OAKS_1.dwg, S14 SIGNING AND PAVEMENT MARKING PLANS, 6/16/2020 11:30:04 AM, Avalon Engineering Inc.





DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
LEE COUNTY DOT PROJECT: CN160642/ANB
LDOT PROJ. MGR. VINCENT MILLER

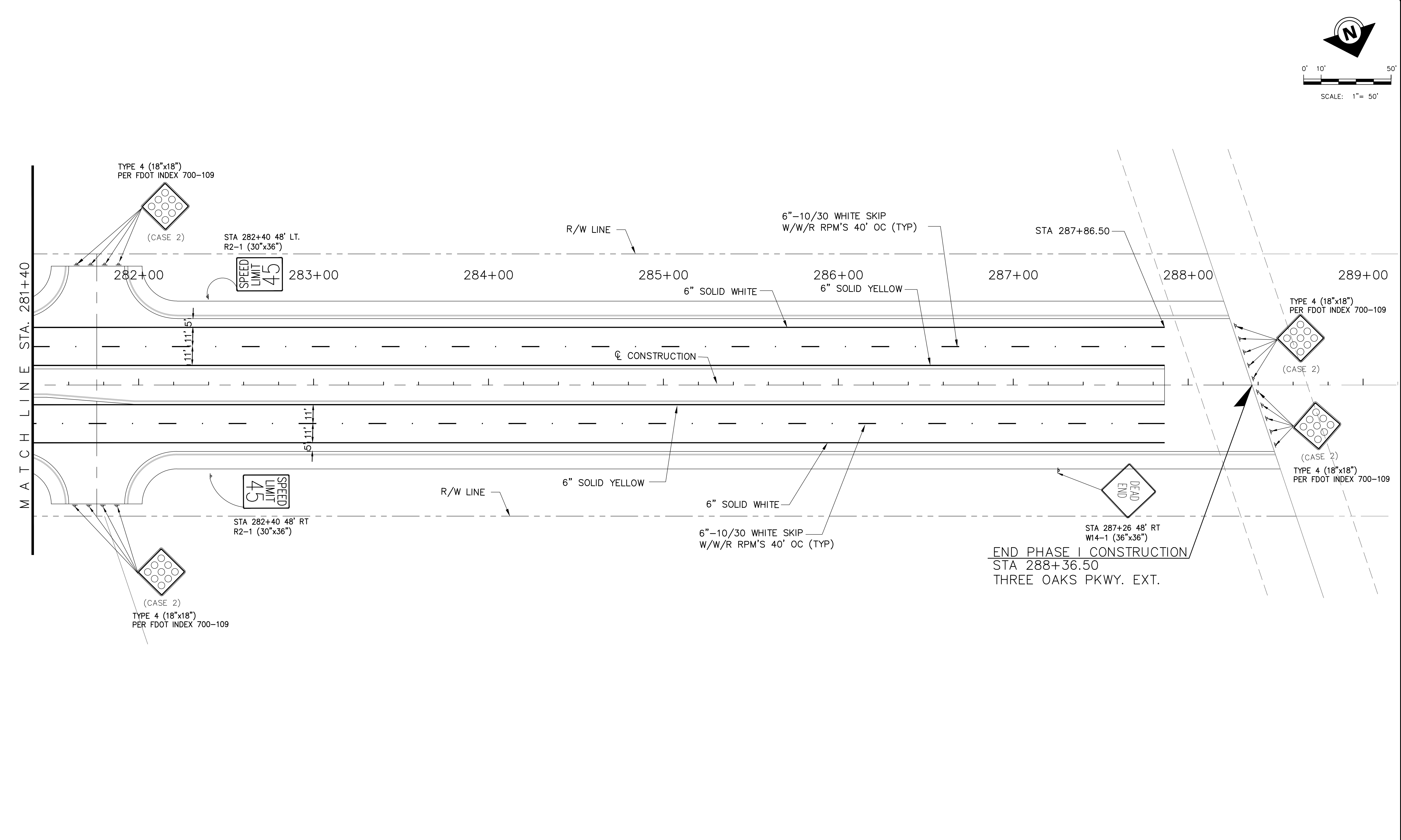
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD, SUITE 200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION
(239) 533-8580

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

SIGNING AND PAVEMENT MARKING PLANS
THREE OAKS PKWY EXT.

SHEET
S14 of 15



P:\CAD\2017\17-372\3-Oaks-Ph1\PLOT_PHASE1\SPM_PHASE1\SPM_3-OAKS_1.dwg, S15 SIGNING AND PAVEMENT MARKING PLANS, 6/16/2020 11:30:09 AM, Avalon Engineering Inc.

DATE	BY	REVISION DESCRIPTION

SUBMITTED 06/23/20

90% PLANS

AVALON PROJECT: 17-372
PROJ. MGR. Jack Schroger, PE, VP
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

SIGNING AND PAVEMENT MARKING PLANS
THREE OAKS PKWY EXT.

SHEET
S15 of 15