

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.

# UTILITY ADJUSTMENT PLANS

## THREE OAKS PARKWAY EXTENSION

### PHASE II: STA 288+36.50 TO DANIELS PARKWAY

LEE COUNTY PROJECT NO. CN160642/ANB

**BOARD OF LEE COUNTY COMMISSIONERS**

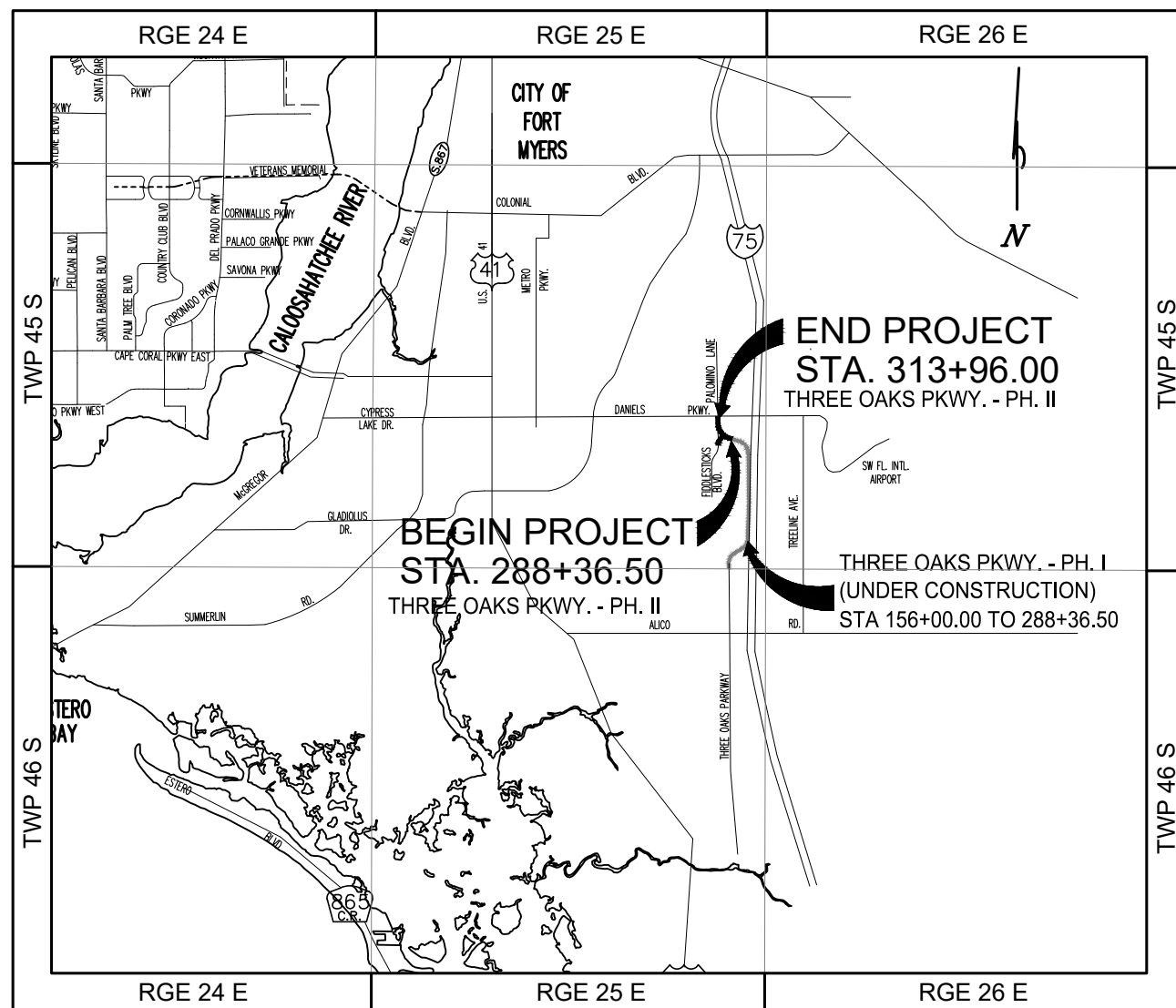
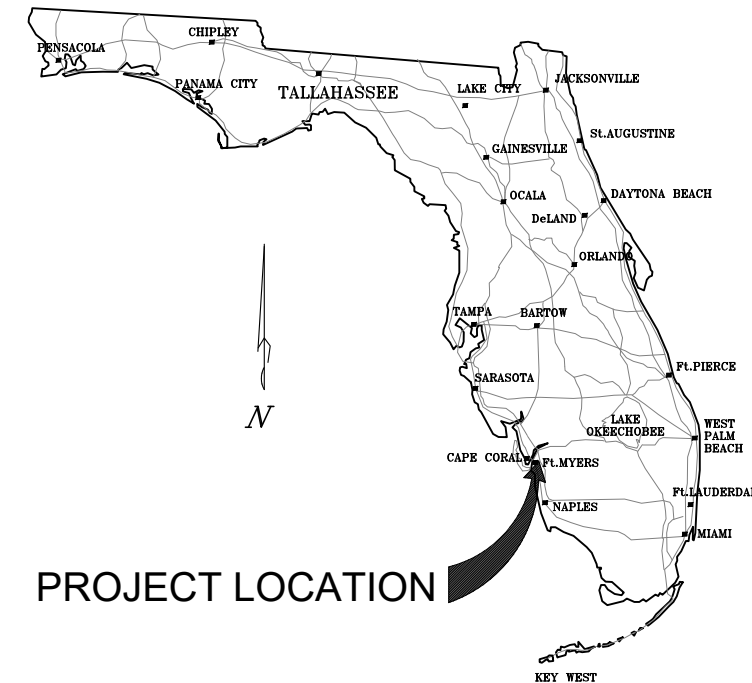
District ONE	District TWO	District THREE	District FOUR	District FIVE
Kevin Ruane	Cecil Pendergrass	Ray Sandelli	Brian Hamman	Mike Greenwell

**LEE COUNTY MANAGER**

Dave Harner

**LEE COUNTY DEPARTMENT OF TRANSPORTATION**

Robert Price, Director  
Vincent Miller, Project Manager



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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 FY 2024-2025 2020, STANDARD PLANS FOR ROADWAY FY 2024-2025, 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'.

UTILITY ADJUSTMENT PLANS  
ENGINEER OF RECORD: BRENDAN D. SLOAN, P.E.  
FL. LICENSE NO. 69978

P:\CAD\2017\17-372 PH2\PH2\UTILITY ADJ\PH2 UTIL COVER.dwg\_U-1 COVER\_10/4/2024 7:07:17 AM Avalon Engineering, Inc.

BRENDAN D. SLOAN  
No. 69978  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY BRENDAN D. SLOAN, PE, ON THE DATE BELOW. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

DATE	BY	REVISION DESCRIPTION

BID SET PLANS

AVALON PROJECT: 17-372  
PROJ. MGR. BRENDAN D. SLOAN, PE  
LEE COUNTY DOT PROJECT: CN160642/ANB  
LDT PROJ. MGR. VINCENT MILLER

**AVALON ENGINEERING, INC.**  
2503 DEL PRADO BLVD, SUITE 200  
CAPE CORAL, FLORIDA 33904  
FBPE#5126 (239) 573-2077

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

**THREE OAKS PARKWAY EXTENSION**  
PHASE II: STA 288+36.50 TO DANIELS PKWY  
LEE COUNTY, FLORIDA

COVER SHEET

SHEET U-1









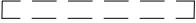
**GENERAL UTILITIES NOTES (LCU)**

- All work shall conform to latest revision of the LCU Design Manual which is available on our web-page via the following link: <https://www.leegov.com/utilities/design-manual>
- The Contractor shall comply with All Regulatory and Permitting Agencies' requirements.
- Any quantities shown on plans are not verified by LCU.
- All construction performed must be done by a Contractor properly licensed in the State of Florida.
- A pre-construction meeting is required before work may begin. Required attendees include but are not limited to; the Engineer of Record or his designee, the Underground Contractor and the LCU Inspector assigned to the project. LCU is to be notified a minimum of two (2) working days prior to the pre-construction meeting.
- One copy of the LCU Approved/Stamped Construction Plans must be maintained by the Contractor at the site at all times.
- Any and all work and materials installed by the Contractor that are intended for ownership and maintenance by LCU, which do not conform to LCU specifications and which do not have prior LCU written approval, are subject to removal and replacement at the Contractor's expense.
- Any work performed on infrastructure intended for ownership and maintenance by LCU without the knowledge of LCU is subject to re-excavation, removal and replacement of same to be done at the Contractor's expense.
- LCU Inspection Staff is to be present for all hot taps, pressure tests, lift station start-ups, and for any other necessary inspection. The Contractor is to provide a minimum of two (2) working days' notice prior to scheduling any of the above with the exception of the lift station start-up which requires a minimum of two-week's notice.
- The Contractor is to uncover all existing LCU utility infrastructure to verify horizontal location, vertical location, pipe diameter, and pipe material prior to scheduling the connection with LCU.
- 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. LCU will not guarantee any locations as shown on these plans or those omitted from these plans.
- The Contractor shall provide a minimum of at least two (2) working days' notice to the individual utility companies prior to construction.
- The Contractor shall contact the Engineer of Record and LCU immediately to report any conflict with LCU utilities/structures arising during construction of any facilities shown on these drawings.
- 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-cast valve pads will be accepted.
- LCU requires 30" minimum of cover for all underground piping except under pavement, which requires 36" minimum cover. If LCU required cover cannot be maintained, alternate methods of construction or pipe protection must be approved by LCU and the Engineer, at no additional cost to the County. If state agencies require additional cover, meeting the requirements shall be done at no additional cost to the County.
- LCU requires there to be a minimum of ten (10) feet horizontal and 18" vertical separation between potable water & sanitary sewer mains. LCU also requires minimum of ten (10) feet horizontal separation between other public and/or private utilities, structure(s), building(s), wall(s), fountain(s), fence(s) and LCU infrastructure unless specifically approved by LCU.
- LCU requires there to be a minimum of five (5) feet horizontal separation and 18" vertical separation between LCU infrastructure and drainage infrastructure, mitered end sections, inlets, etc. LCU also requires minimum of five (5) feet horizontal separation between LCU infrastructure and all new light pole foundations.
- The trunk of palm trees shall be a minimum of five (5) feet and the trunk of shade trees shall be a minimum of ten (10) feet from any existing or proposed LCU owned and maintained pipe/infrastructure.
- As the work progresses the Contractor shall provide for all changes and deviations from the LCU Stamped/Approved Construction Plans to be recorded. The exact location of all changes in vertical and horizontal alignment shall be recorded with X, Y, and Z coordinates with respect to the NAVD 1988 State Plane Florida West Coordinate System, as well as any other record information required by the LCU Design Manual.

**UTILITIES:**

- TELEPHONE**  
CENTURY LINK  
2820 CARGO STREET  
FT. MYERS, FLA. 33916
- CABLE**  
COMCAST CABLE  
301 TOWER ROAD  
NAPLES, FL 34113  
(239) 432-9227
- REFUSE**  
WASTEPRO  
13110 RICKENBACKER PKWY  
FT. MYERS, FL. 33913  
(239) 337-0800
- ELECTRIC**  
FLORIDA POWER & LIGHT  
15834 WINKLER ROAD  
FORT MYERS FLORIDA 33908
- GAS**  
TECO/PEOPLE & GAS  
5901 ENTERPRISE PARKWAY  
FT. MYERS, FLA. 33905
- WATER**  
LEE COUNTY UTILITIES  
P.O. BOX 398  
FORT MYERS, FLA. 33902
- SANITARY SEWER**  
LEE COUNTY UTILITIES  
P.O. BOX 398  
FORT MYERS, FLA. 33902

**LEGEND**

-  ELECTRICAL (INCL. LIGHT POLES)
-  COMMUNICATIONS
-  UNDERGROUND GAS
-  EXISTING WATER
-  EXIST. SEWER/SEWER FORCEMAIN
-  PROPOSED WATER
-  PROPOSED SEWER FORCE MAIN
-  PROPOSED STEEL CASING
-  UTILITY REMOVAL INDICATOR

**SUMMARY OF PAY ITEMS**

Item Number	Item Description	QUANTITY	UNIT	NOTES
<b>Utility Items:</b>				
1	ABANDONMENT OF EXISTING 16" DI WATERMAIN	1,680	LF	INCLUDES PIPE REMOVAL & DISPOAL
2	ABANDONMENT OF EXISTING 10", 8", & 6" PVC WATERMAIN	230	LF	INCLUDES PIPE REMOVAL DISPOSAL
3	16" CL 52 D.I. PIPE WITH DOUBLE CEMENT LINING	1,920	LF	INCLUDES FITTINGS
4	10" DR14 PVC WATER MAIN	55	LF	INCLUDES FITTINGS
5	30" x 0.312" WALL STEEL CASING PIPE	378	LF	
6	20" x 0.250" WALL STEEL CASING PIPE	45	LF	
7	16"x16" TAPPING SLEEVE W/ 16" GATE VALVE	5	EA	
8	16" GATE VALVE	1	EA	
9	10" GATE VALVE	1	EA	
10	8" GATE VALVE	1	EA	
11	6" GATE VALVE	1	EA	
12	16" x 2" TAPPING SADDLE W/ 2" G.V.	2	EA	
13	2" WATER SERVICE CONNECTION	2	EA	INCLUDES UP TO 10 LF OF 2" WATER SERVICE (EA.)
14	METER BOX (WATER SERVICE)	2	EA	
15	2" CROSS CONTROL ASSEMBLY	2	EA	
16	16" LINE STOP	6	EA	
17	16" RESTRAINED CAP	6	EA	
18	10" LINE STOP	2	EA	
19	FIRE HYDRANT ASSEMBLY	1	EA	
20	CONNECT TO EXISTING 10" WATER MAIN	2	EA	INCLUDES UP TO 10 LF OF 10" WATER MAIN
21	CONNECT TO EXISTING 8" WATER MAIN	1	EA	INCLUDES UP TO 10 LF OF 8" WATER MAIN
22	CONNECT TO EXISTING 6" WATER MAIN	1	EA	INCLUDES UP TO 10 LF OF 6" WATER MAIN
23	BACTERIAL SAMPLE POINT		EA	
24	8" DR14 PVC SEWER FORCEMAIN	92	LF	INCLUDES FITTINGS
25	4" DR14 PVC SEWER FORCEMAIN	25	LF	INCLUDES FITTINGS
26	4" PLUG VALVE	1	EA	
27	CONNECT TO EXISTING 8" SEWER FORCEMAIN	6	EA	INCLUDES REMOVAL OF EXISTING 8" FORCEMAIN
28	CONNECT TO EXISTING 4" SEWER FORCEMAIN	1	EA	INCLUDES REMOVAL OF EXISTING 4" FORCEMAIN
29	SEWAGE PUMPER TRUCK	1	LS	INCLUDES 3 PUMPER TRUCKS (4,000 GAL. MIN. EA.)
30	PAVEMENT RESTORATION	135	SY	PER LEE COUNTY DOT DETAIL



**CALL SUNSHINE (1-800-432-4770)  
48 HOURS BEFORE YOU DIG  
IT'S THE LAW IN FLORIDA**

**POTABLE WATERMAIN**  
PIPES 4" THROUGH 24" SHALL BE PVC DR18 AWWA C-900 PRESSURE CLASS 150. PIPES LARGER THAN 12" SHALL BE DUCTILE IRON PIPE MINIMUM CLASS 250.

**SEWER FORCEMAIN**  
PIPES 4" THROUGH 24" SHALL BE PVC DR14 AWWA C-900

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PROJ. MGR. BRENDAN D. SLOAN, PE  
LEE COUNTY DOT PROJECT: CN160642/ANB  
LDDT PROJ. MGR. VINCENT MILLER

**AVALON ENGINEERING, INC.**  
2503 DEL PRADO BLVD, SUITE 200  
CAPE CORAL, FLORIDA 33904  
FBPE#5126 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION  
(239) 533-8580

THREE OAKS PARKWAY EXTENSION  
PHASE II: STA 288+36.50 TO DANIELS PKWY  
LEE COUNTY, FLORIDA

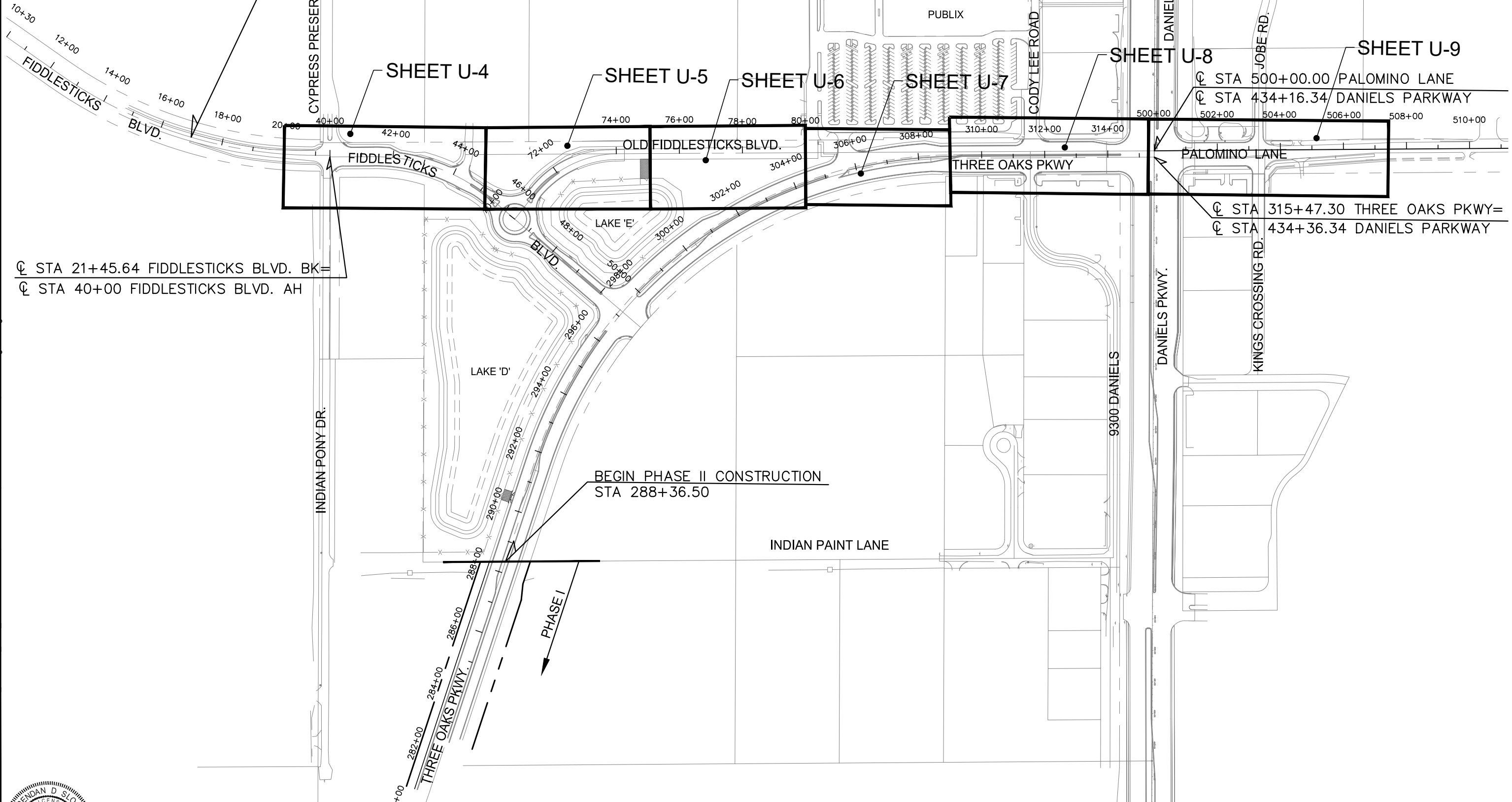
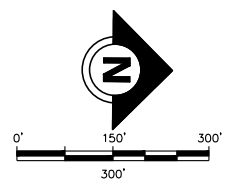
GENERAL  
NOTES

SHEET  
U-2

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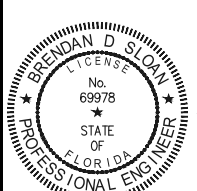
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BEGIN ROADWAY WIDENING/MILL & OVERLAY  
 @ STA 17+00 FIDDLESTICKS BLVD.



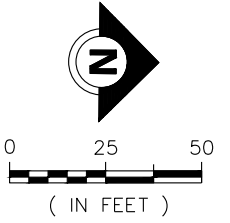
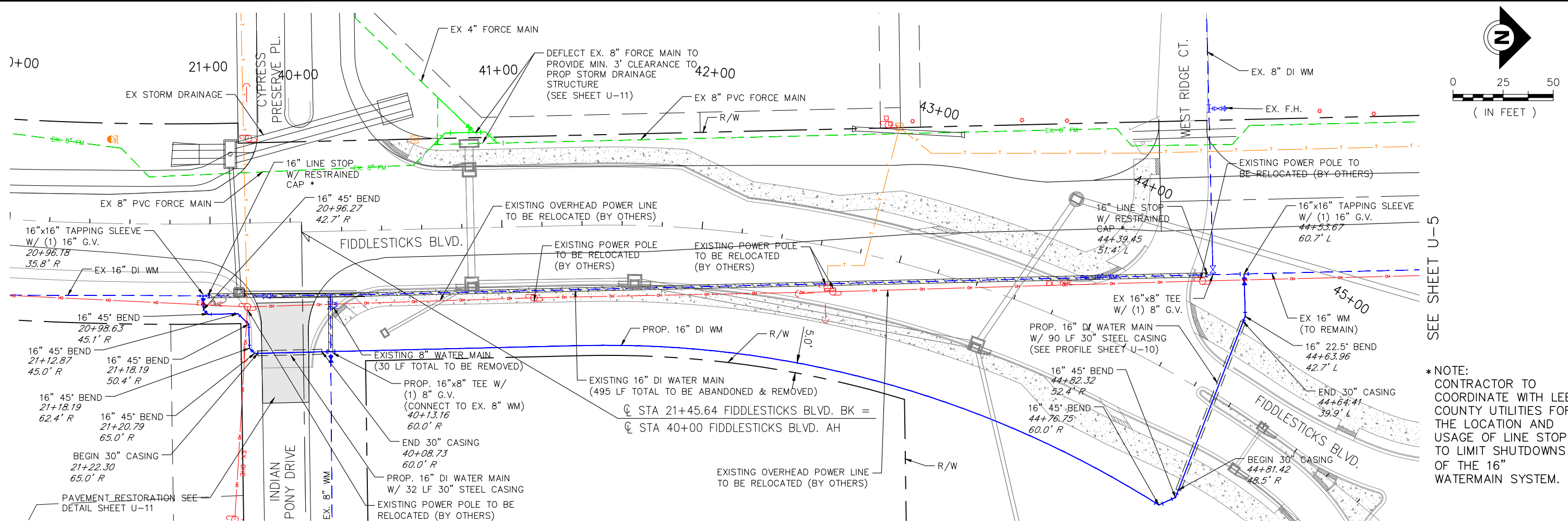
@ STA 21+45.64 FIDDLESTICKS BLVD. BK=  
 @ STA 40+00 FIDDLESTICKS BLVD. AH

BEGIN PHASE II CONSTRUCTION  
 STA 288+36.50



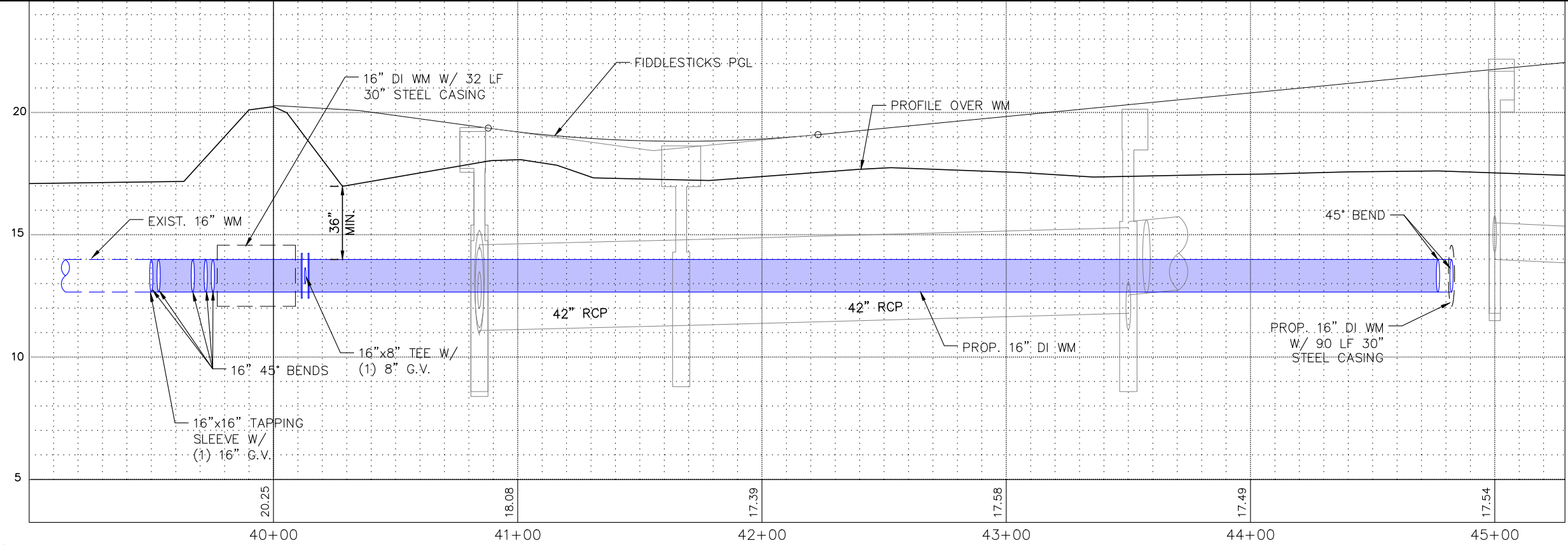
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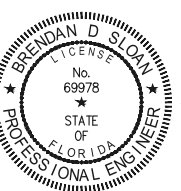
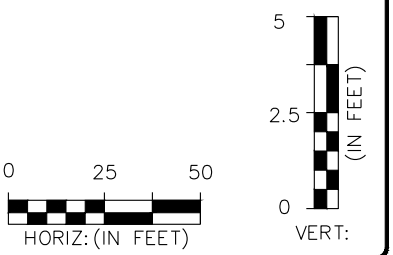


SEE SHEET U-5

\* NOTE:  
CONTRACTOR TO  
COORDINATE WITH LEE  
COUNTY UTILITIES FOR  
THE LOCATION AND  
USAGE OF LINE STOPS  
TO LIMIT SHUTDOWNS  
OF THE 16" WATERMAIN SYSTEM.



- LEGEND**
- ELECTRICAL (INCL. LIGHT POLES)
  - COMMUNICATIONS
  - UNDERGROUND GAS
  - EXISTING WATER
  - EXIST. SEWER/SEWER FORCEMAIN
  - PROPOSED WATER
  - PROPOSED SEWER FORCE MAIN
  - PROPOSED STEEL CASING
  - UTILITY REMOVAL INDICATOR
  - PAVEMENT RESTORATION



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PROJ. MGR. BRENDAN D. SLOAN, PE  
LEE COUNTY DOT PROJECT: CN160642/ANB  
LOOT PROJ. MGR. VINCENT MILLER

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

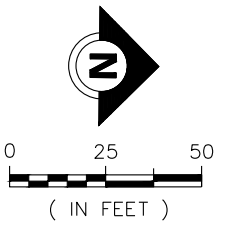
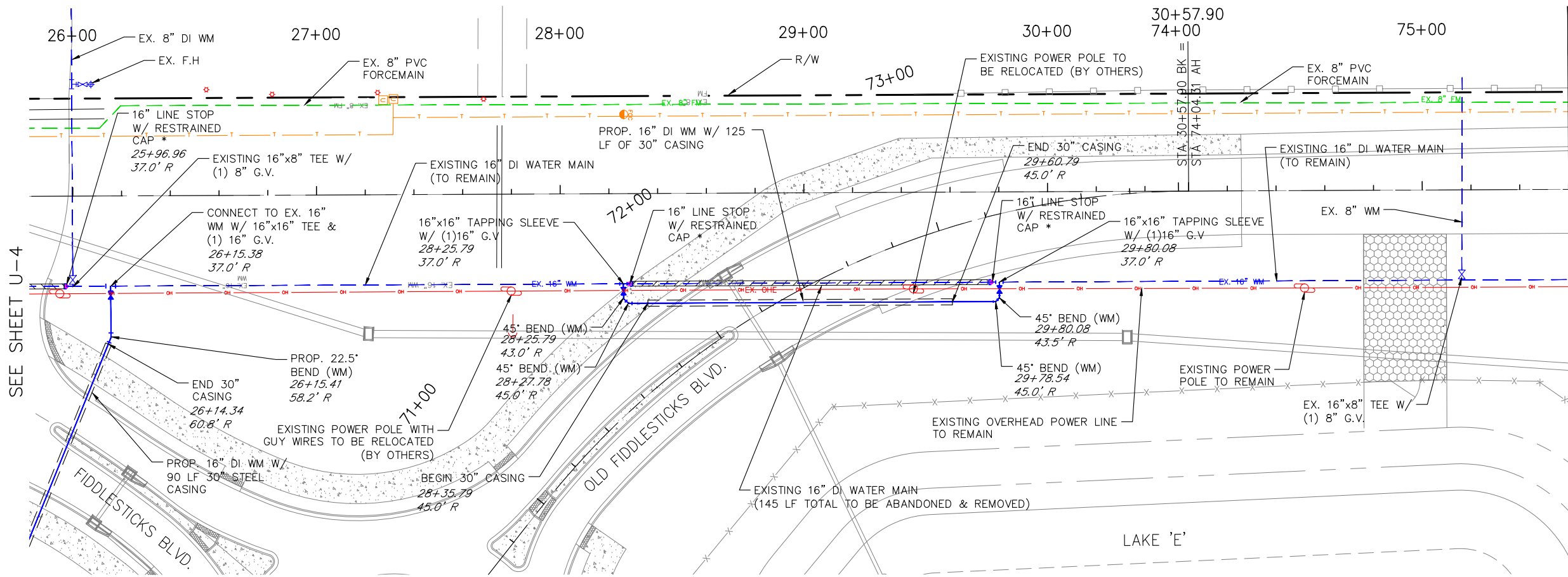
**LEE COUNTY DEPARTMENT OF TRANSPORTATION**  
(239) 633-8580

**THREE OAKS PARKWAY EXTENSION**  
PHASE II: STA 288+36.50 TO DANIELS PKWY  
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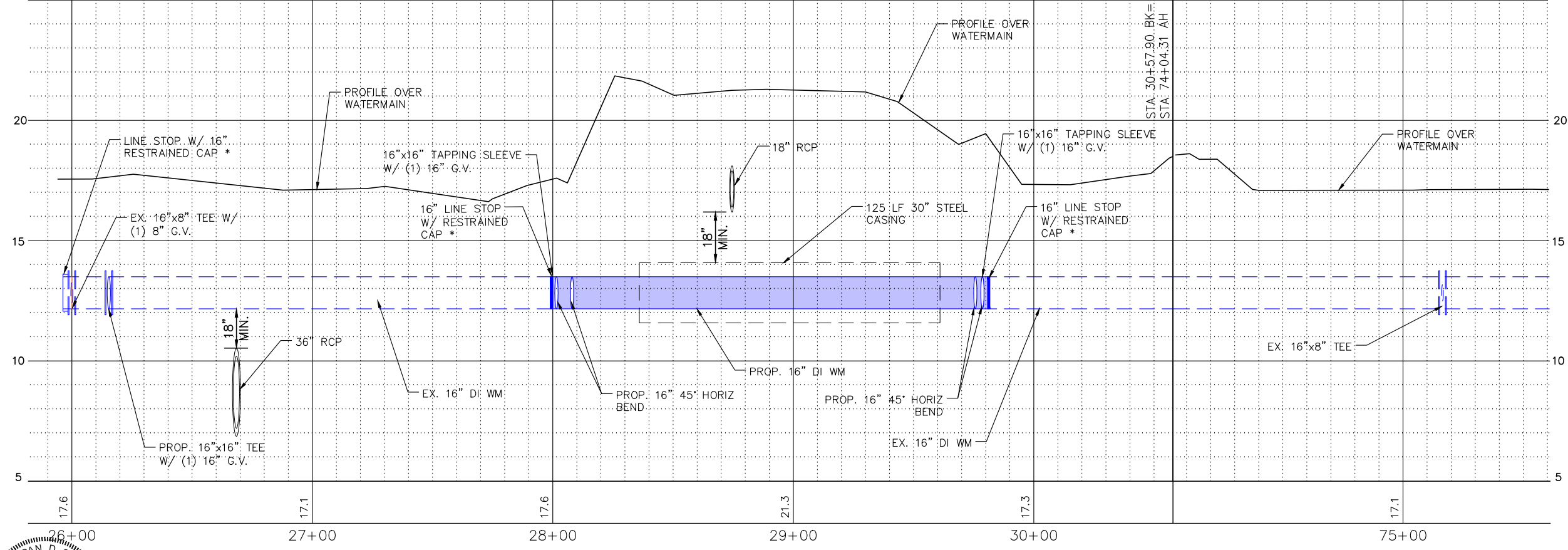
**UTILITY ADJUSTMENT PLANS**

SHEET U-4

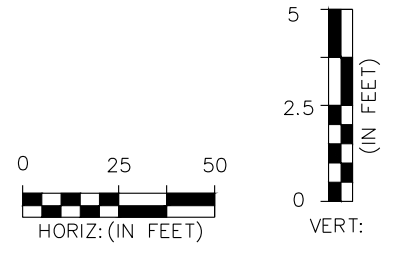
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\* NOTE: CONTRACTOR TO COORDINATE WITH LEE COUNTY UTILITIES FOR THE LOCATION AND USAGE OF LINE STOPS TO LIMIT SHUTDOWNS OF THE 16" WATERMAIN SYSTEM.



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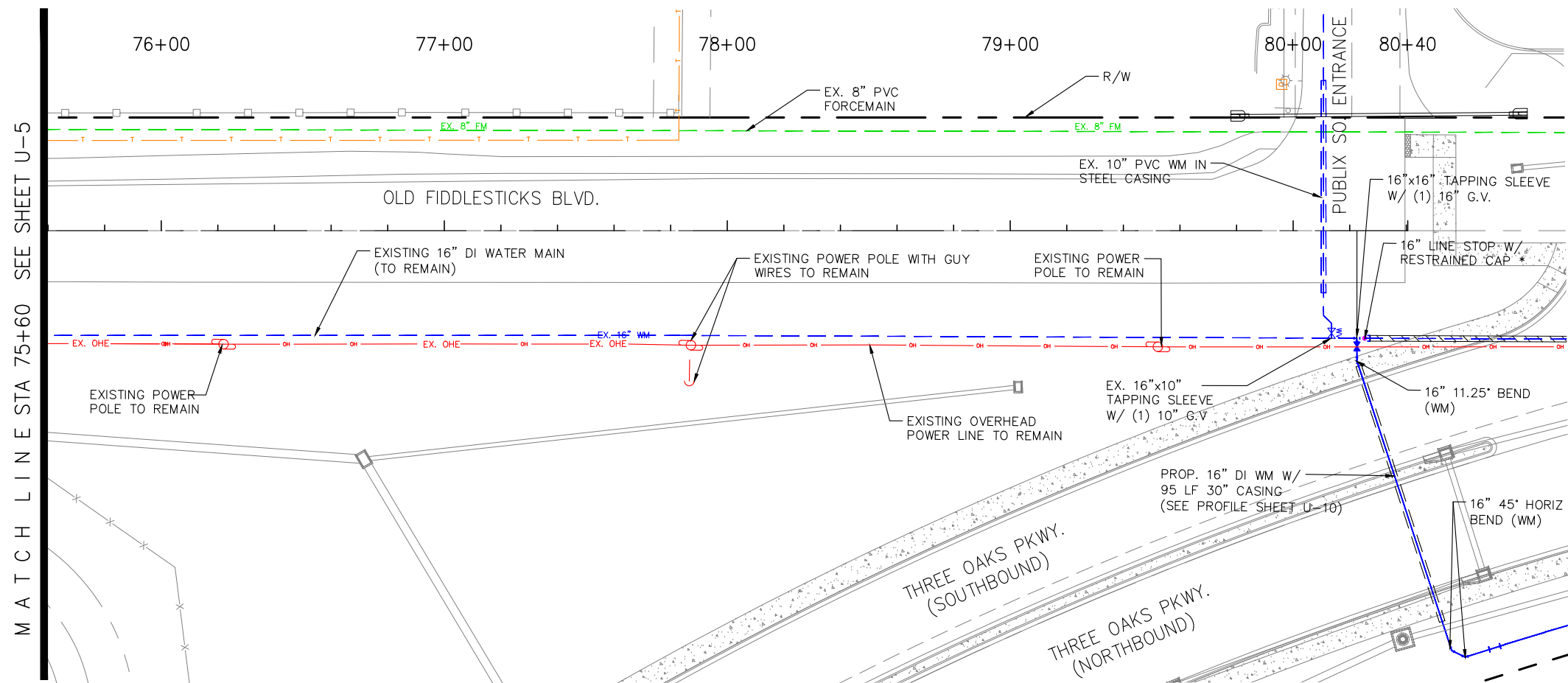
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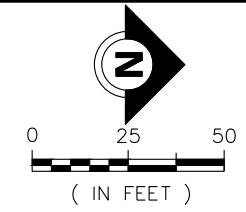
UTILITY ADJUSTMENT  
 PLANS

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 U-5

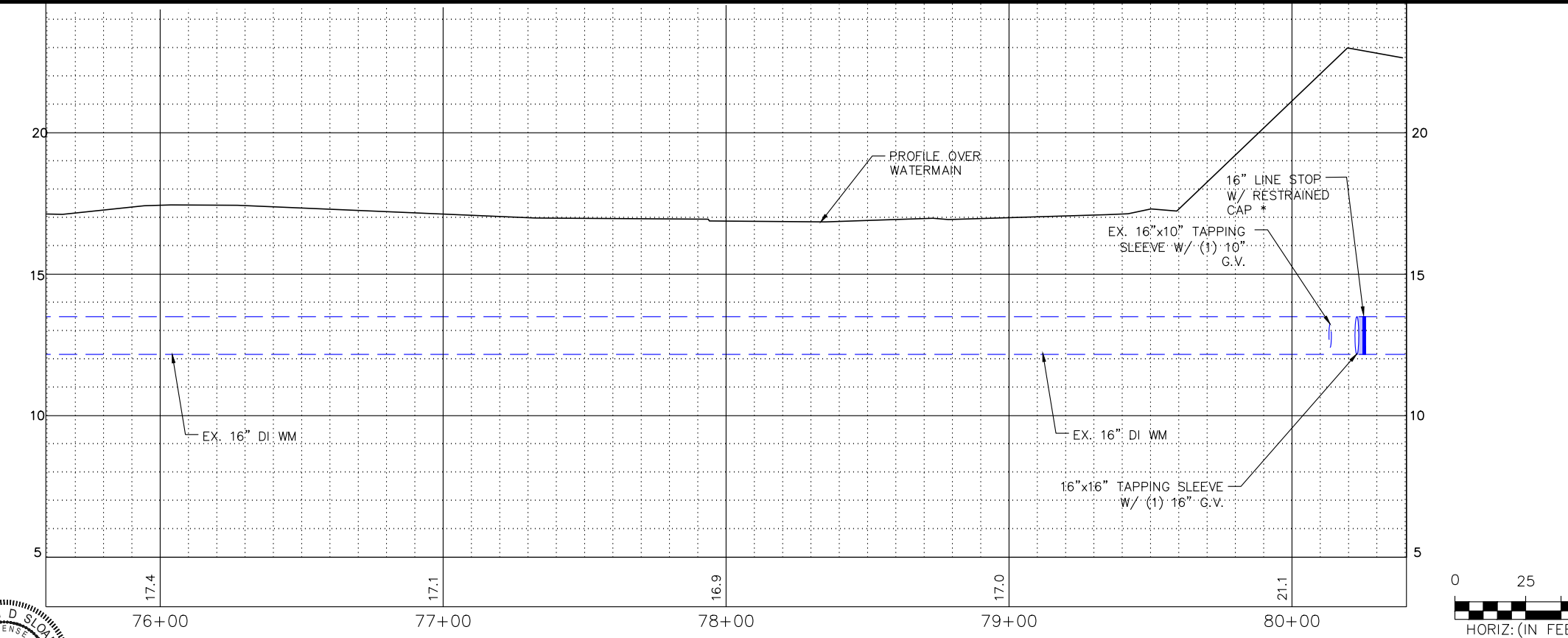
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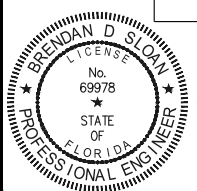
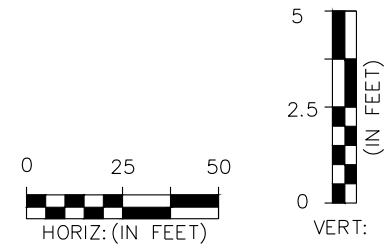
NOTE:  
SEE SHEET U-7 FOR STA/OFFSET  
INFORMATION FOR PROPOSED  
WATERMAIN FITTINGS, CASING  
LOCATIONS.



- LEGEND**
- ELECTRICAL (INCL. LIGHT POLES)
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  - UNDERGROUND GAS
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  - UTILITY REMOVAL INDICATOR



\* NOTE:  
CONTRACTOR TO COORDINATE WITH  
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STOPS TO LIMIT SHUTDOWNS OF  
THE 16" WATERMAIN SYSTEM.



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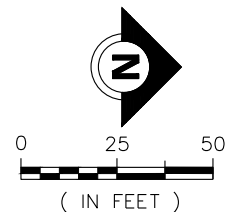
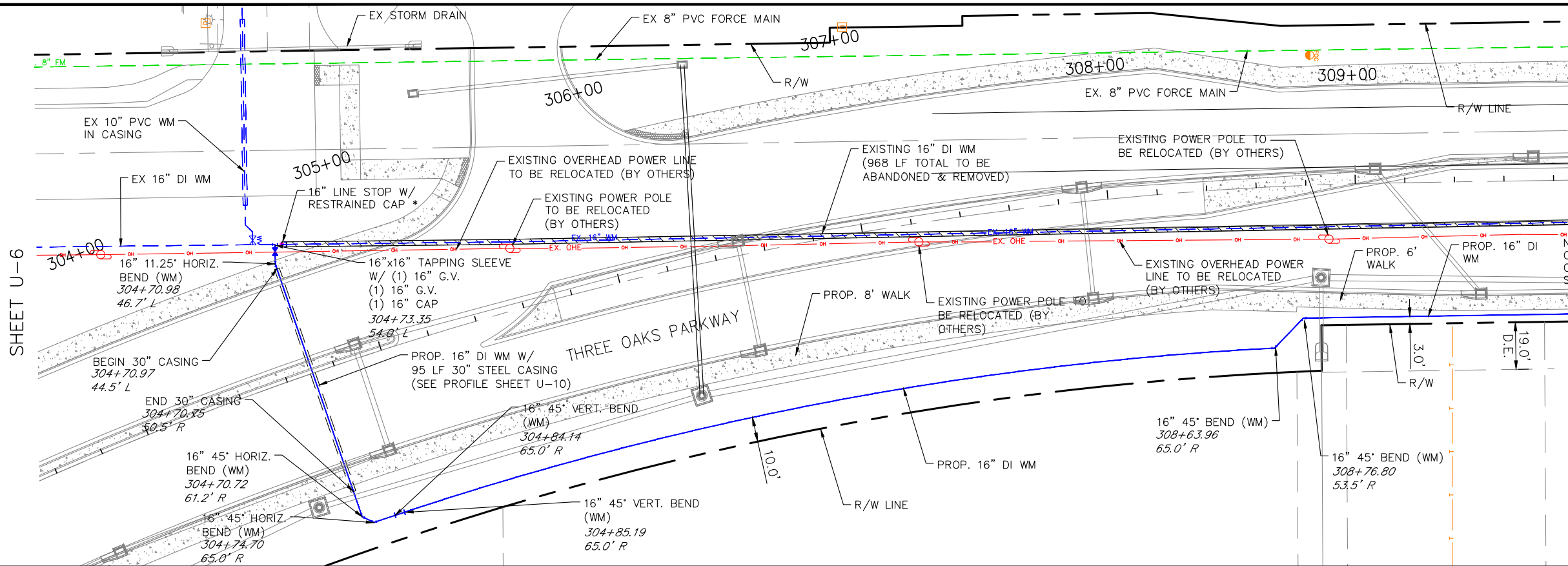
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**UTILITY ADJUSTMENT PLANS**

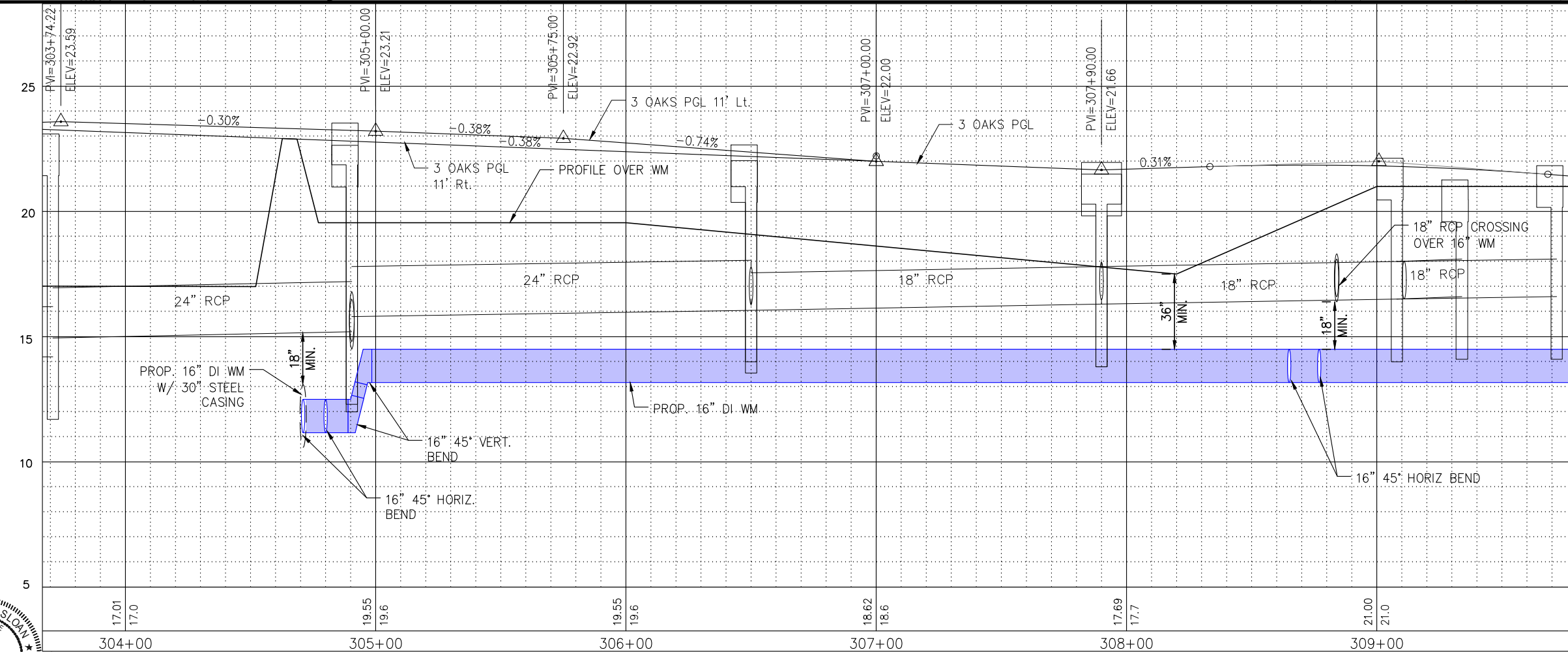
SHEET U-6

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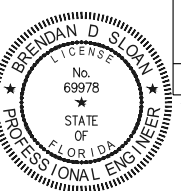
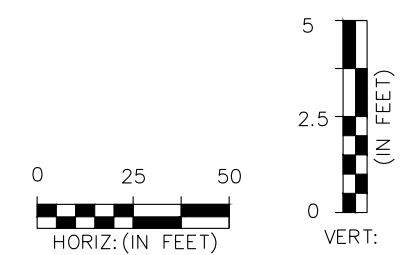
SEE SHEET U-8

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THE 16\"/>



**LEGEND**

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- PROPOSED STEEL CASING
- UTILITY REMOVAL INDICATOR



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DATE	BY	REVISION DESCRIPTION	

*BID SET PLANS*

AVALON PROJECT: 17-372  
 PROJ. MGR. BRENDAN D. SLOAN, PE  
 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#3126 (239) 573-2077

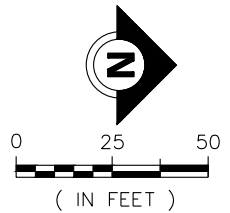
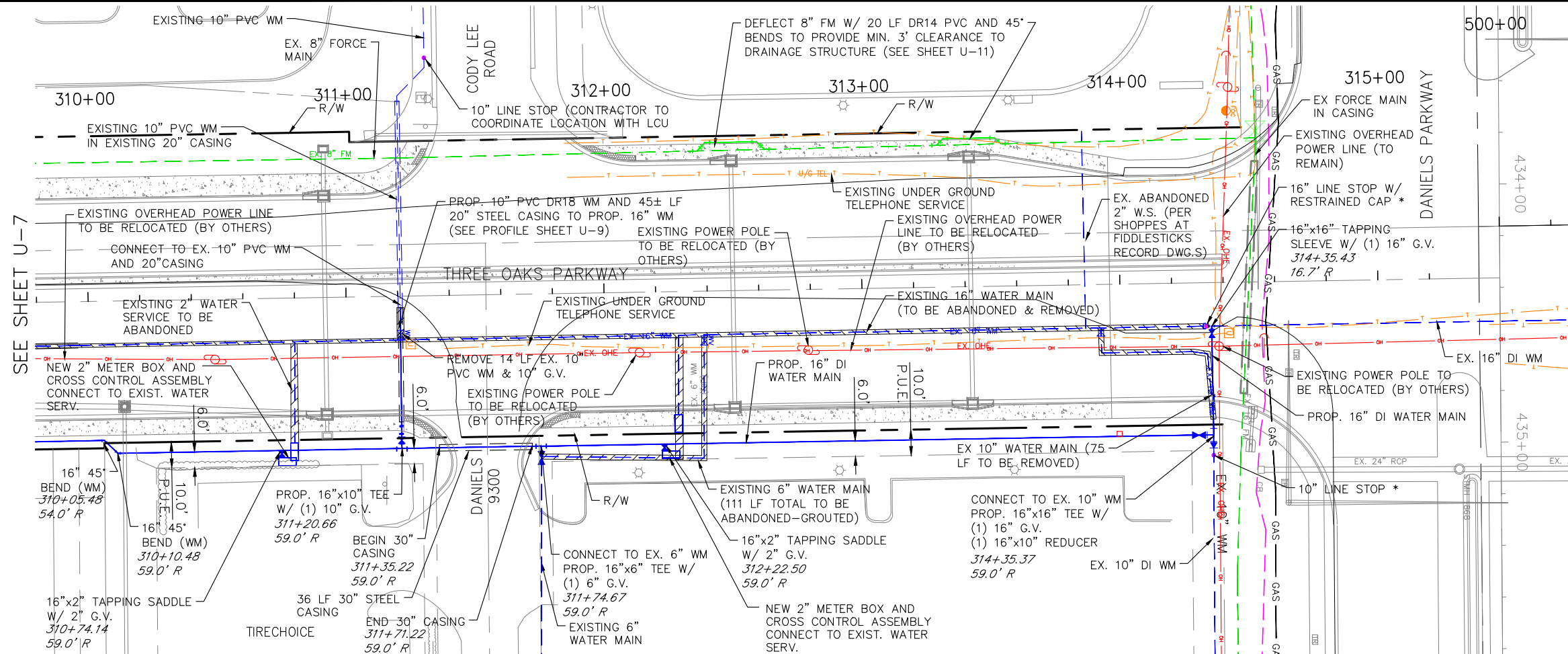
**LEE COUNTY DEPARTMENT OF TRANSPORTATION**  
 (239) 533-8580

**THREE OAKS PARKWAY EXTENSION**  
 PHASE II: STA 288+36.50 TO DANIELS PKWY  
 LEE COUNTY, FLORIDA

**UTILITY ADJUSTMENT PLANS**

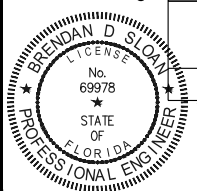
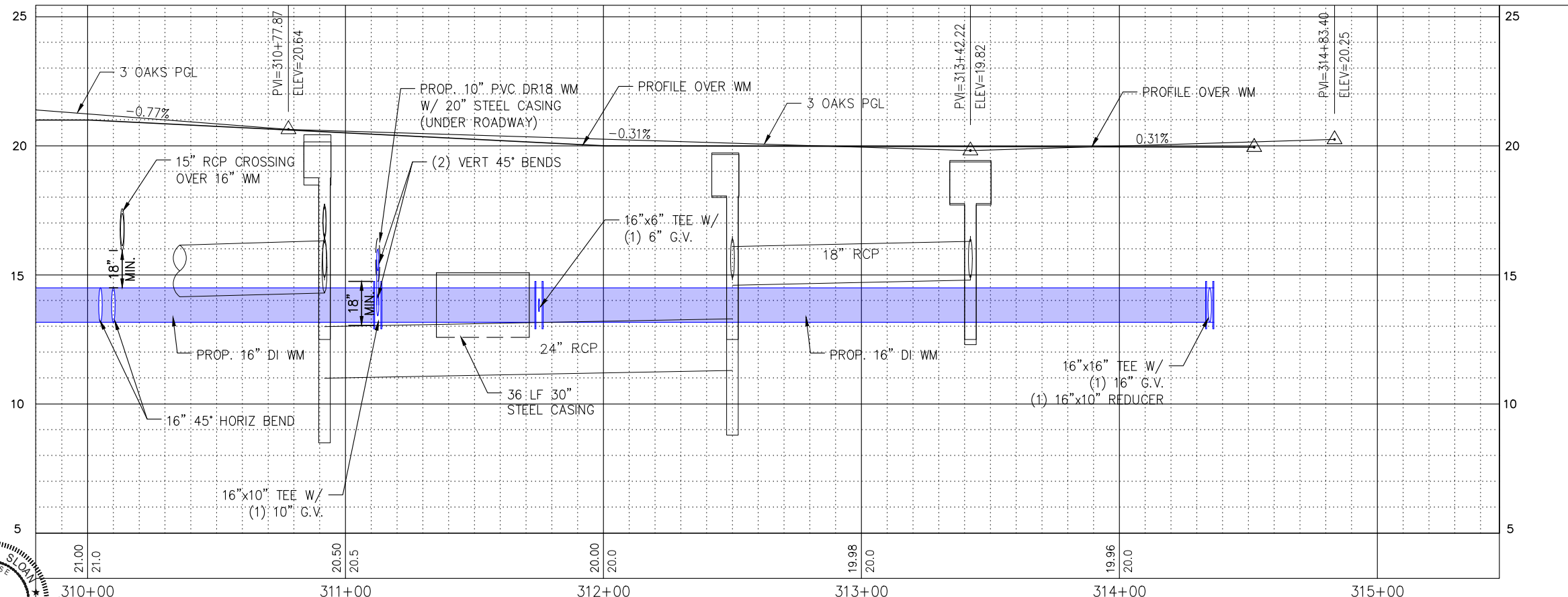
SHEET U-7

P:\CAD\2017\17-372 PH2\PH2-UTILITY ADJUSTMENT-10/4/2024 7:09:08 AM-Avalon Engineering Inc



\* NOTE:  
CONTRACTOR TO COORDINATE WITH LEE COUNTY UTILITIES FOR THE LOCATION AND USAGE OF LINE STOPS TO LIMIT SHUTDOWNS OF THE 16" WATERMAIN SYSTEM.

- LEGEND**
- ELECTRICAL (INCL. LIGHT POLES)
  - COMMUNICATIONS
  - UNDERGROUND GAS
  - EXISTING WATER
  - EXIST. SEWER/SEWER FORCEMAIN
  - PROPOSED WATER
  - PROPOSED SEWER FORCE MAIN
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FBPE#3126 (239) 573-2077

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

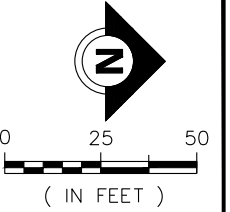
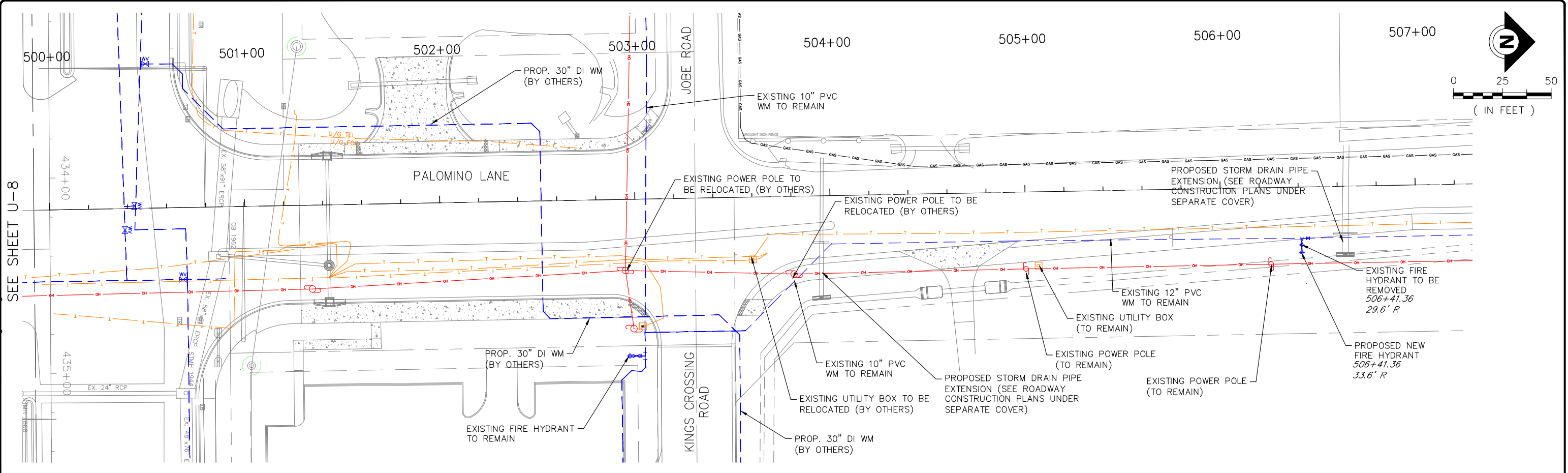
**THREE OAKS PARKWAY EXTENSION**  
PHASE II: STA 288+36.50 TO DANIELS PKWY  
LEE COUNTY, FLORIDA

**UTILITY ADJUSTMENT PLANS**

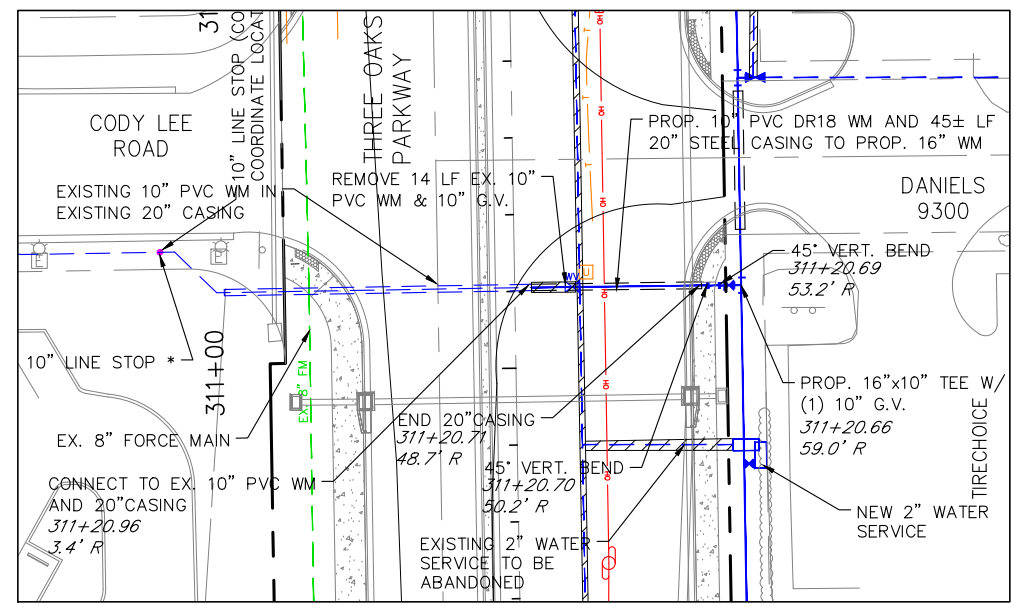
SHEET U-8



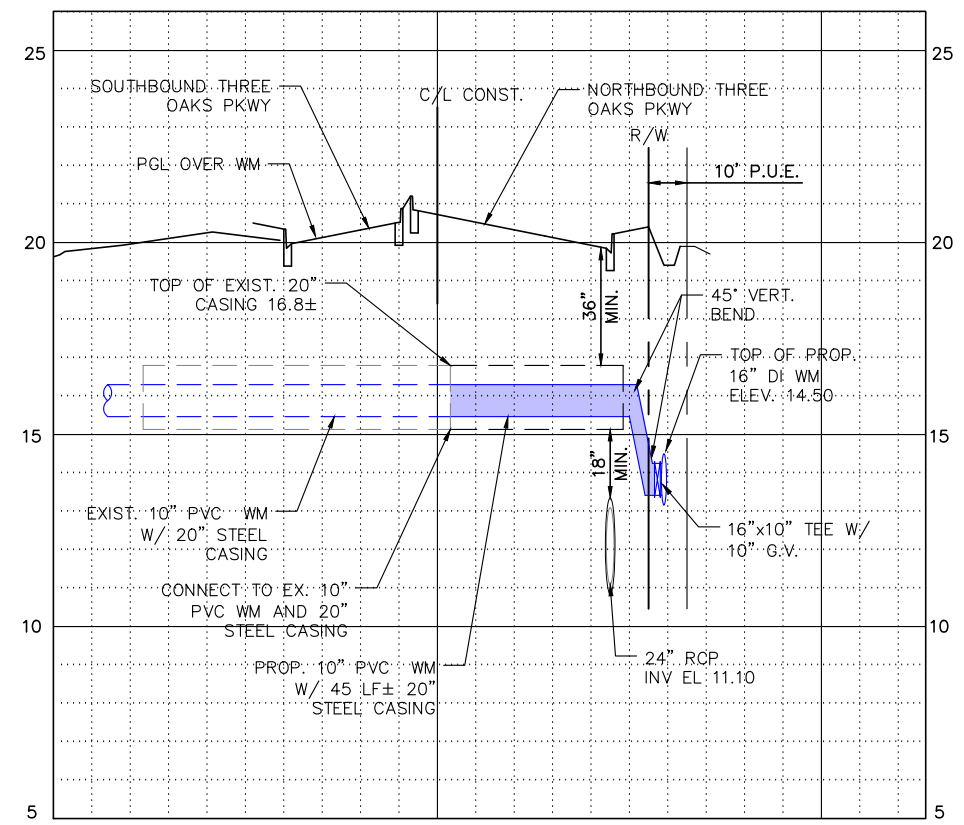
P:\CAD\2017\17-372 PH2\PH2\UTILITY ADJUSTMENT\_10/4/2024 7:09:14 AM-Avalon Engineering Inc. U-9 PALOMINO UTILITY ADJUSTMENT



SEE SHEET U-8



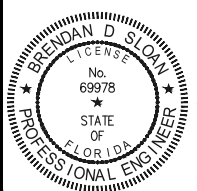
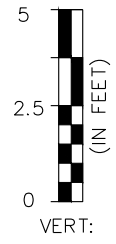
**10" WATERMAIN EXTENSION PLAN**  
(SEE SHEET U-8)



**10" WATERMAIN EXTENSION PROFILE**  
(SEE SHEET U-8)

- LEGEND**
- ELECTRICAL (INCL. LIGHT POLES)
  - COMMUNICATIONS
  - UNDERGROUND GAS
  - EXISTING WATER
  - EXIST. SEWER/SEWER FORCEMAIN
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  - PROPOSED SEWER FORCE MAIN
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\* NOTE:  
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LOCATION AND USAGE OF LINE  
STOPS TO LIMIT SHUTDOWNS OF  
THE 16" WATERMAIN SYSTEM.



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DATE	BY	REVISION DESCRIPTION

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LEE COUNTY DOT PROJECT: CN160642/ANB  
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**AVALON ENGINEERING, INC.**  
2503 DEL PRADO BLVD, SUITE 200  
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FBPE#3126 (239) 573-2077

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

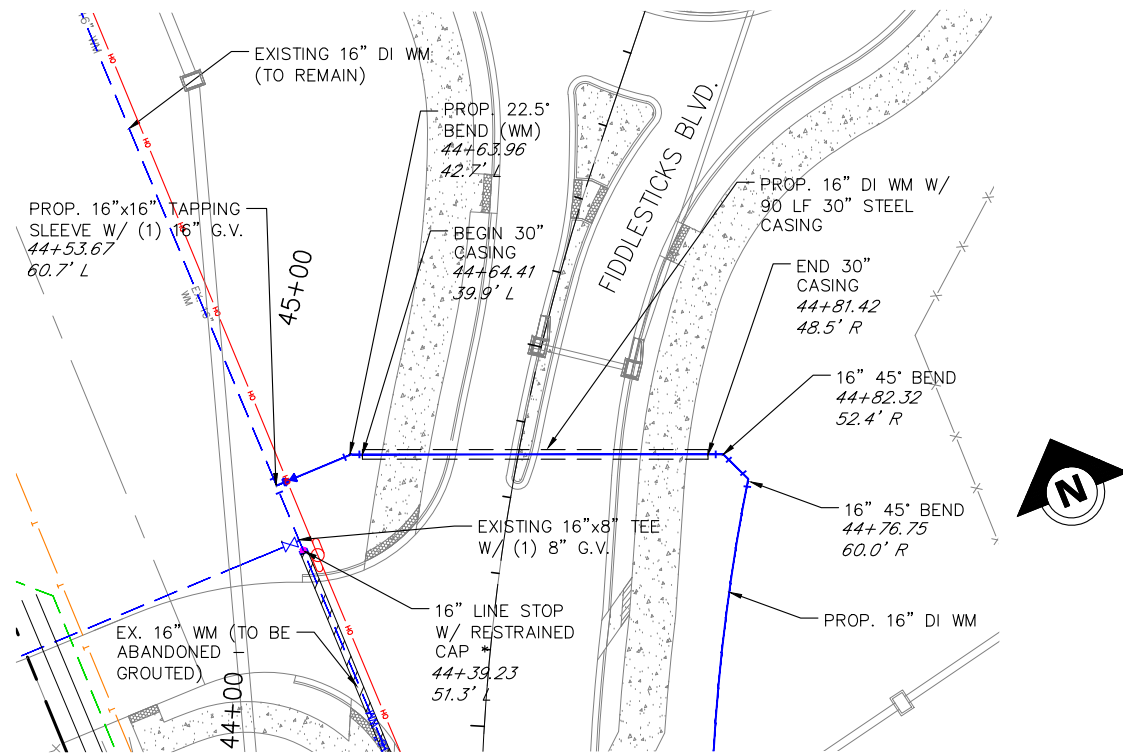
**THREE OAKS PARKWAY EXTENSION**  
PHASE II: STA 288+36.50 TO DANIELS PKWY  
LEE COUNTY, FLORIDA

**PALOMINO UTILITY ADJUSTMENT & PUBLIX 10" WM EXTENSION**

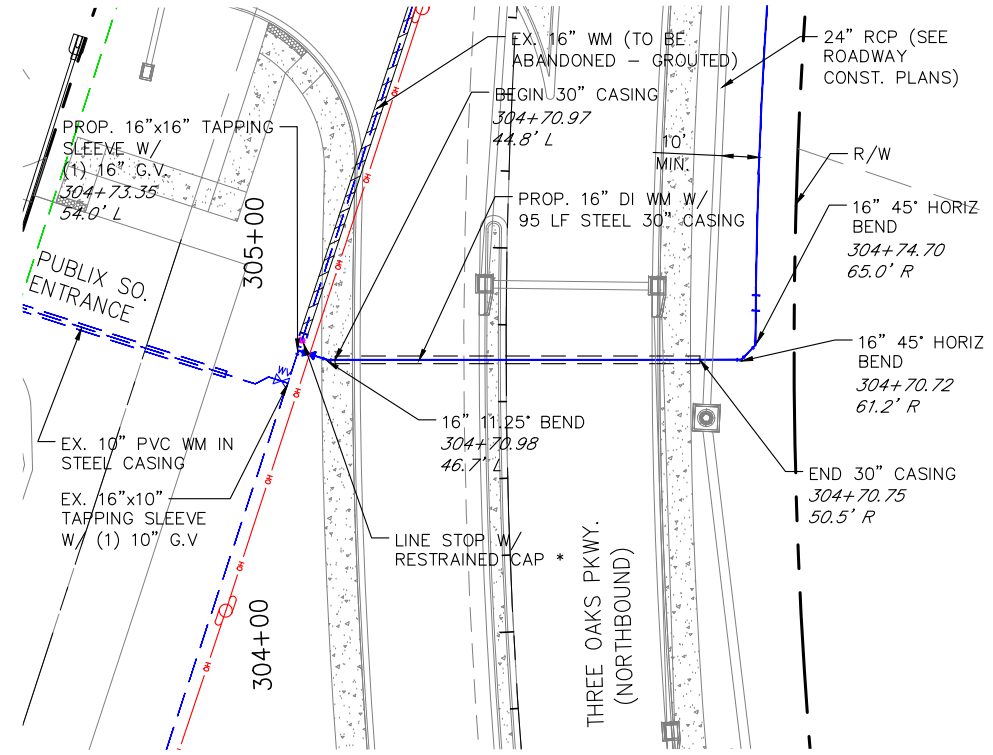
SHEET U-9

P:\CAD\2017\17-372 PH2\PH2-UTILITY ADJPH2 UTIL PRO-DTL.dwg\_U-10 16 INCH WATERMAIN CROSSING\_10/4/2024 7:09:34 AM Avalon Engineering, Inc.

### 16" WM & 30" CASING CROSSING FIDDLESTICKS BLVD. (SEE SHEET U-4)

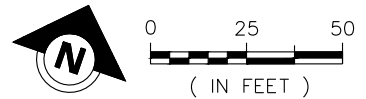


### 16" WM & 30" CASING CROSSING THREE OAKS PKWY. (SEE SHEET U-6 & U-7)

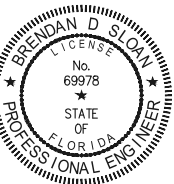
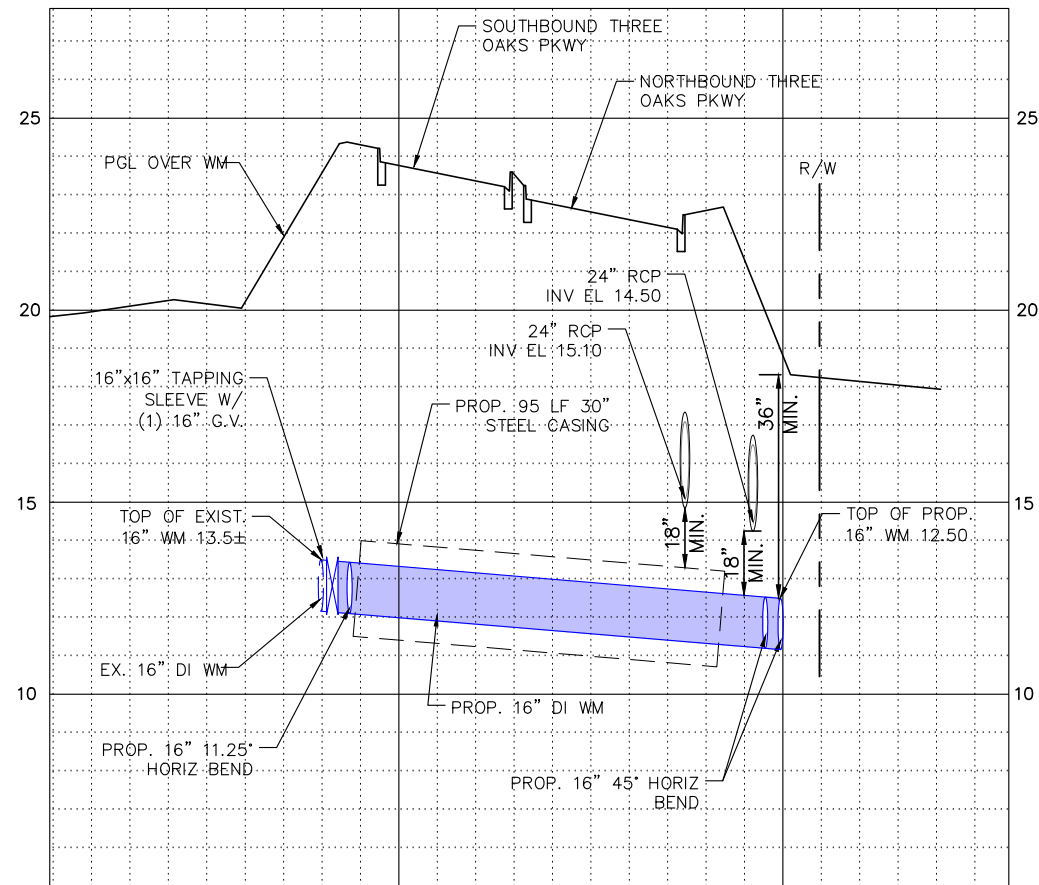
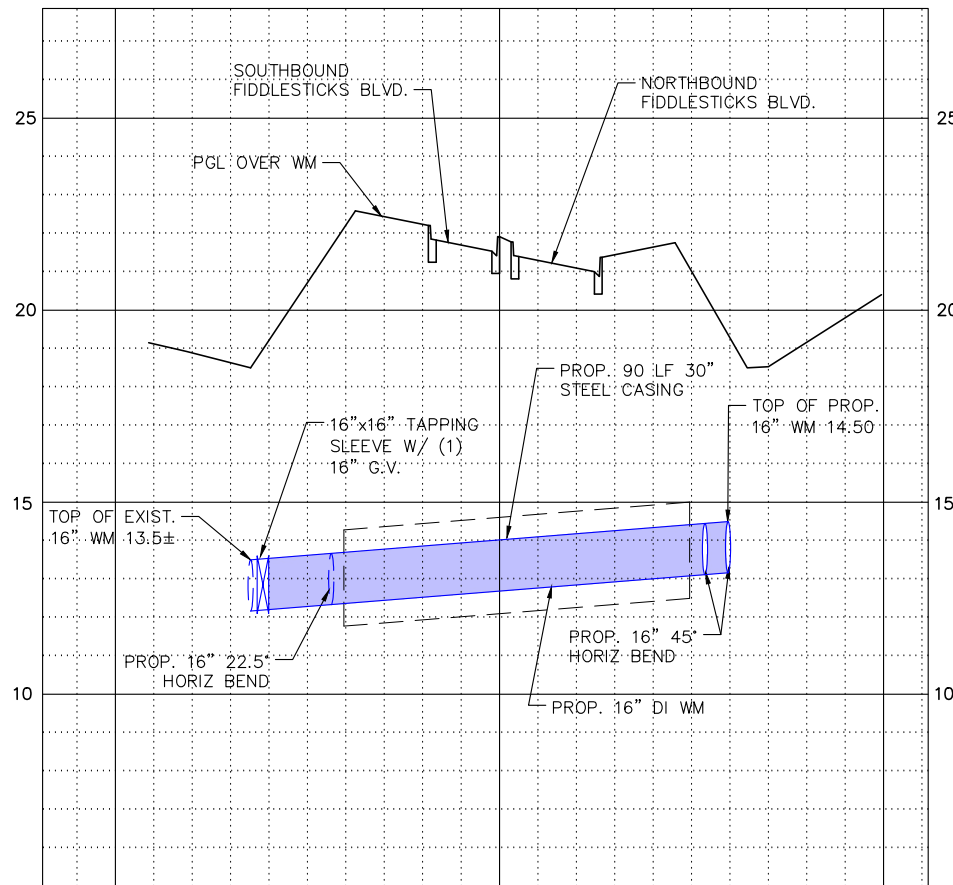


**LEGEND**

- ELECTRICAL (INCL. LIGHT POLES)
- COMMUNICATIONS
- UNDERGROUND GAS
- EXISTING WATER
- EXIST. SEWER/SEWER FORCEMAIN
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**\*NOTE:**  
CONTRACTOR TO COORDINATE WITH LEE COUNTY UTILITIES FOR THE LOCATION AND USAGE OF LINE STOPS TO LIMIT SHUTDOWNS OF THE 16" WATERMAIN SYSTEM.



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AVALON PROJECT: 17-372  
 PROJ. MGR. BRENDAN D. SLOAN, PE  
 LEE COUNTY DOT PROJECT: CN160642/ANB  
 LDDT PROJ. MGR. VINCENT MILLER

**AVALON ENGINEERING, INC.**  
 2503 DEL PRADO BLVD, SUITE 200  
 CAPE CORAL, FLORIDA 33904  
 FBPE#3126 (239) 573-2077

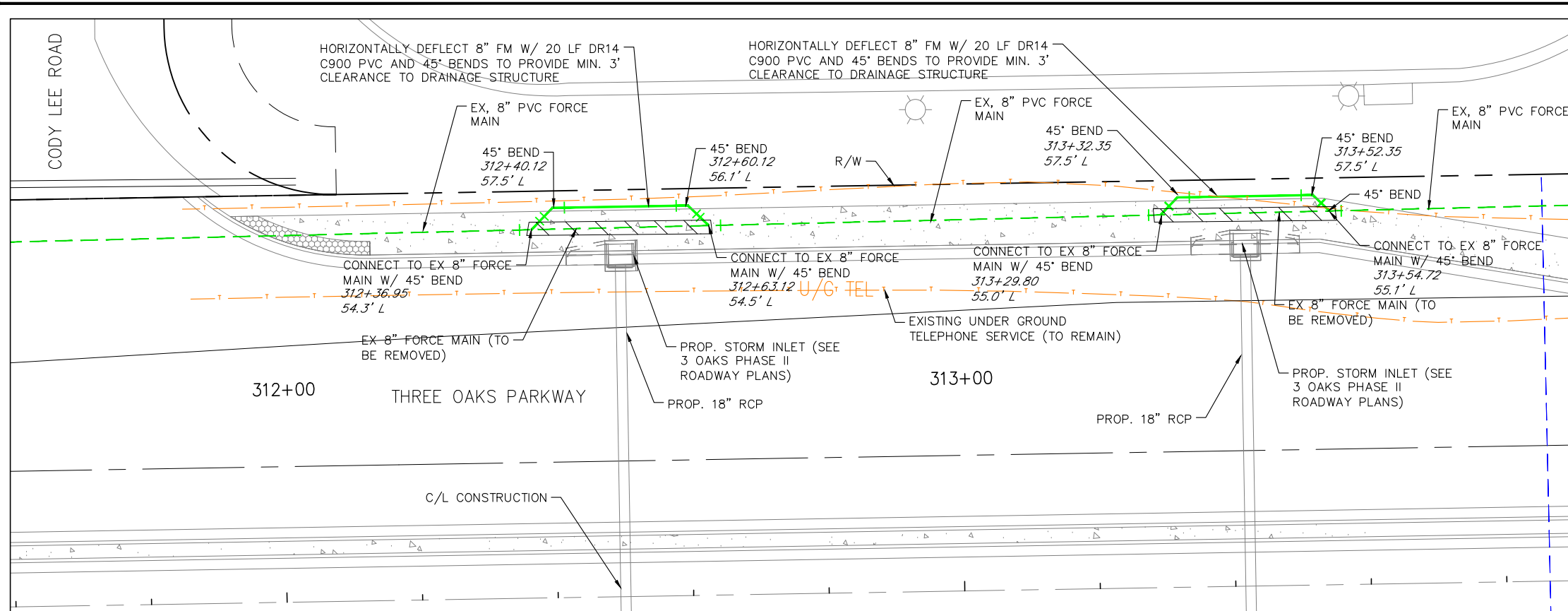
**LEE COUNTY DEPARTMENT OF TRANSPORTATION**  
 (239) 533-8580

**THREE OAKS PARKWAY EXTENSION**  
 PHASE II: STA 288+36.50 TO DANIELS PKWY  
 LEE COUNTY, FLORIDA

**16 INCH WATERMAIN CROSSING**  
**FIDDLESTICKS AND 3 OAKS PKWY**

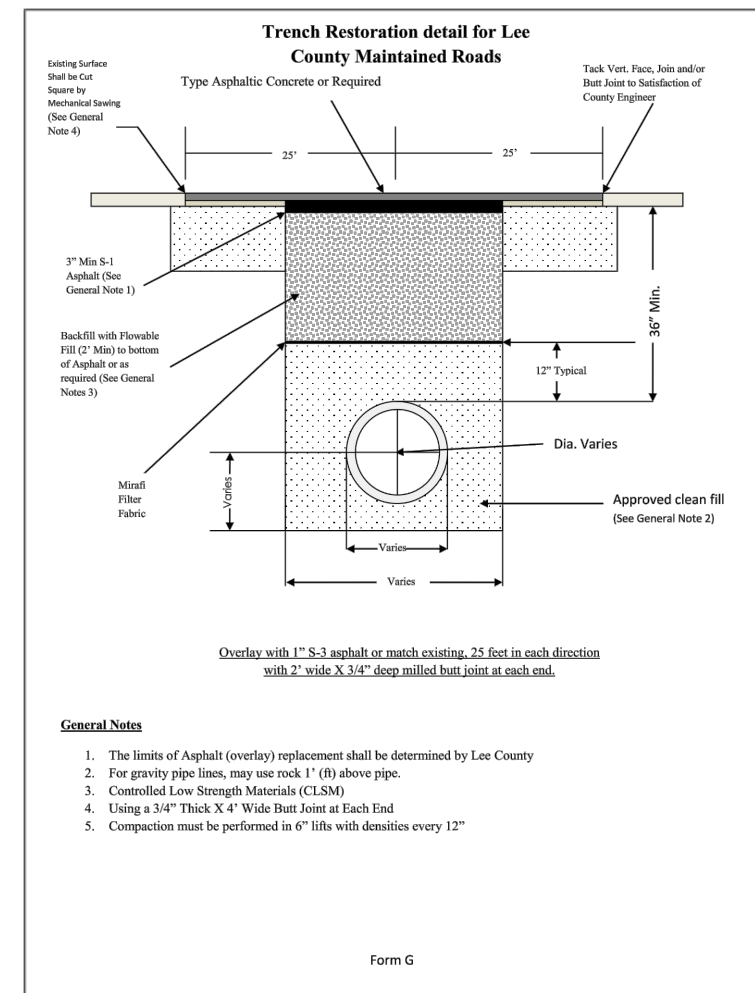
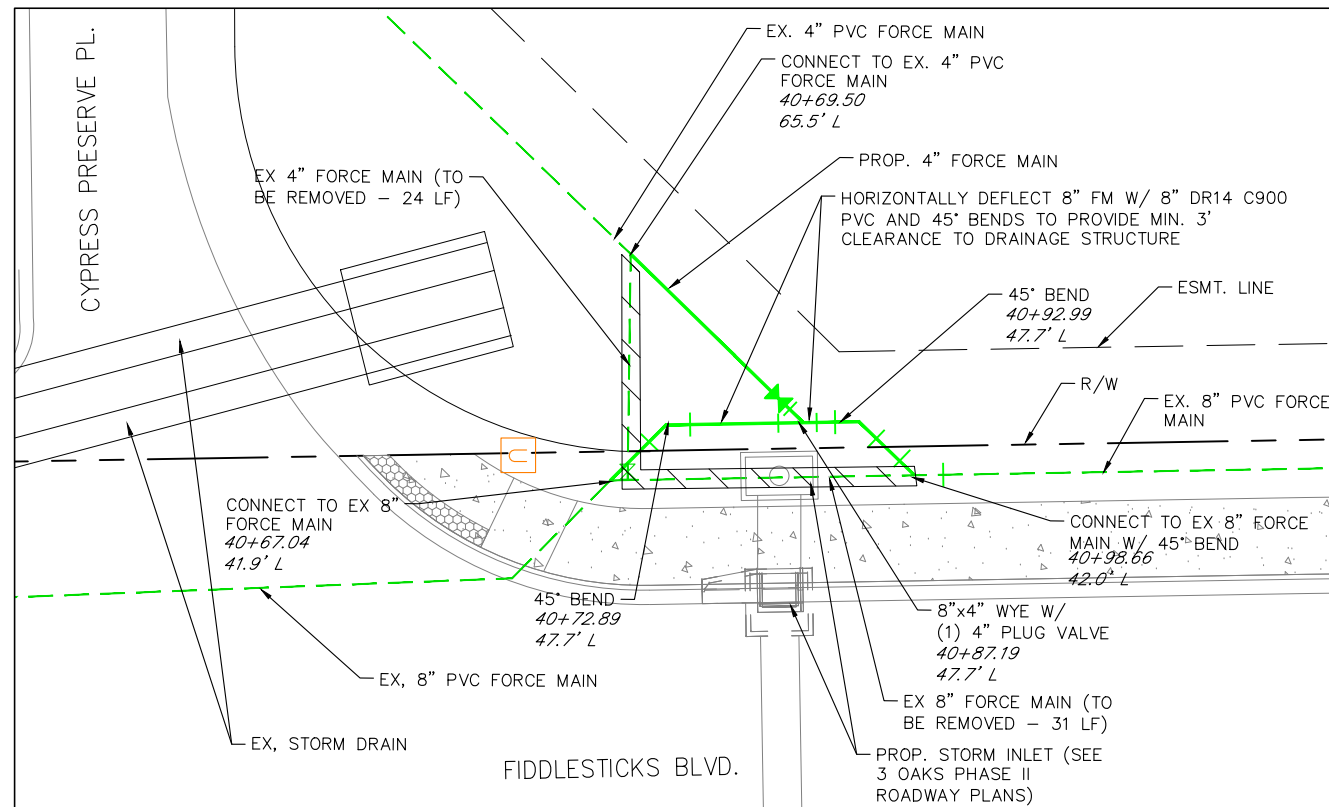
SHEET U-10

P:\CAD\2017\17-372 PH2\PH2-UTILITY AD\PH2 UTIL DTL FORCEMAIN.dwg\_U-11 EXISTING 8 INCH FORCEMAIN\_10/4/2024 7:10:05 AM Avalon Engineering, Inc.



- LEGEND**
- ELECTRICAL (INCL. LIGHT POLES)
  - COMMUNICATIONS
  - UNDERGROUND GAS
  - EXISTING WATER
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  - PROPOSED WATER
  - PROPOSED SEWER FORCE MAIN
  - PROPOSED STEEL CASING
  - UTILITY REMOVAL INDICATOR

**8" PVC FORCEMAIN DEFLECTION THREE OAKS PKWY (SEE SHEET U-8)**



**8" PVC FORCEMAIN DEFLECTION FIDDLESTICKS BLVD (SEE SHEET U-4)**



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FBPE#3126 (239) 573-2077

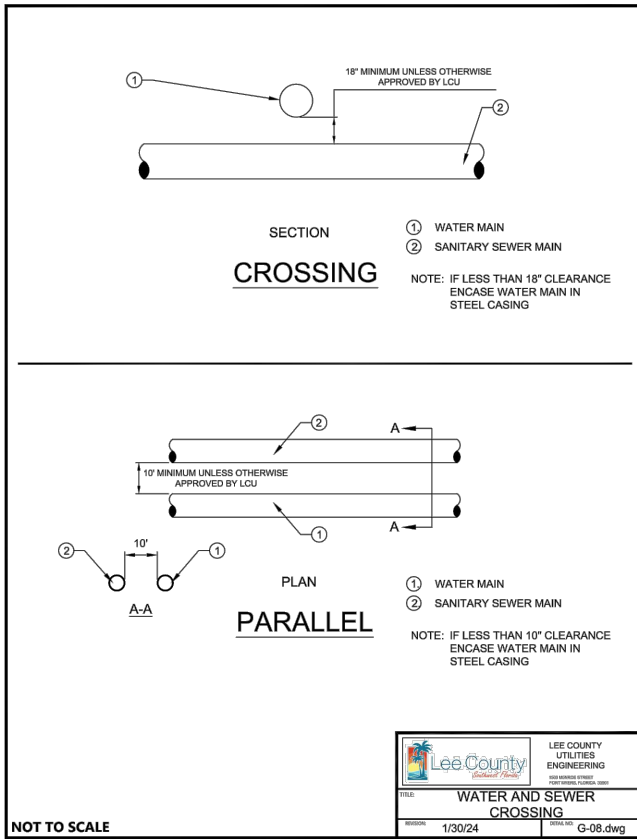
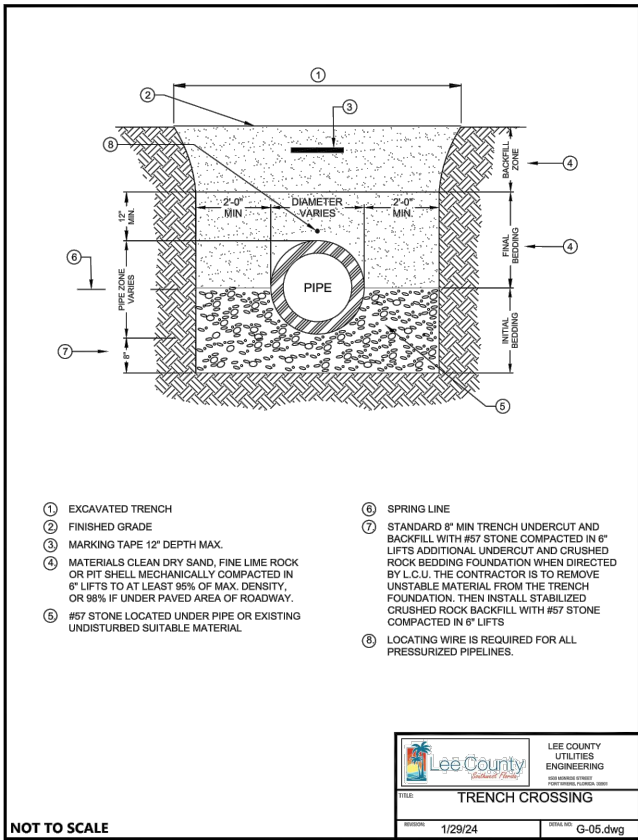
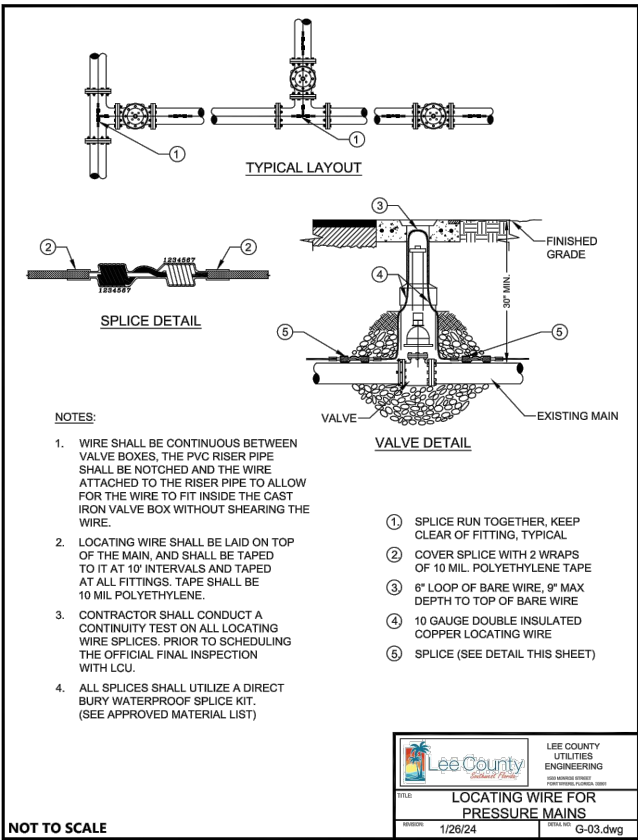
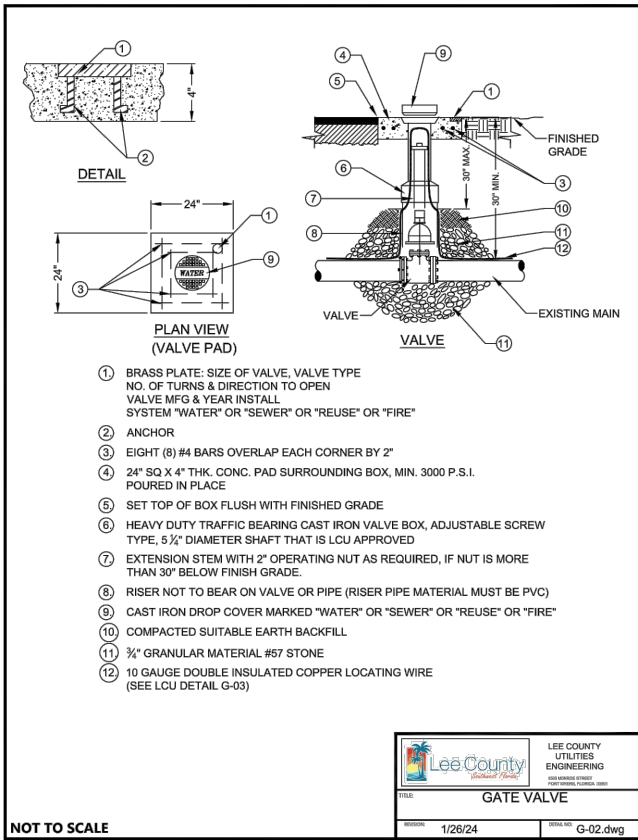
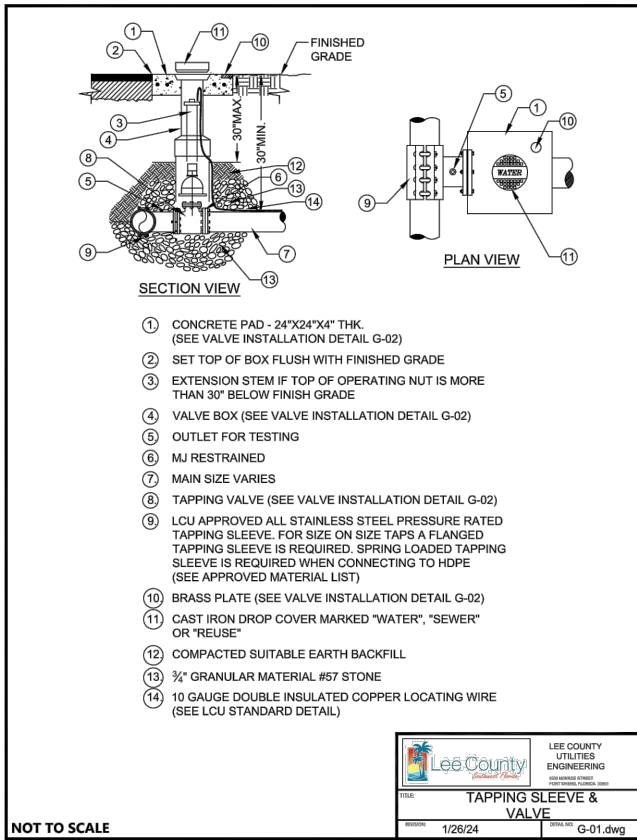
LEE COUNTY DEPARTMENT OF TRANSPORTATION  
(239) 633-8580

THREE OAKS PARKWAY EXTENSION  
PHASE II: STA 288+36.50 TO DANIELS PKWY  
LEE COUNTY, FLORIDA

EXISTING 8 INCH FORCEMAIN  
DEFLECTION DETAILS

SHEET  
U-11

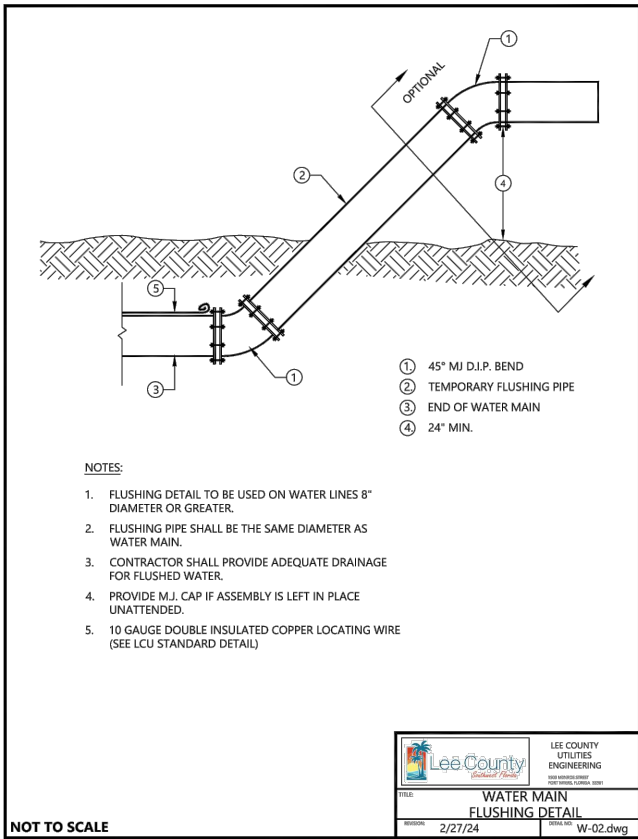
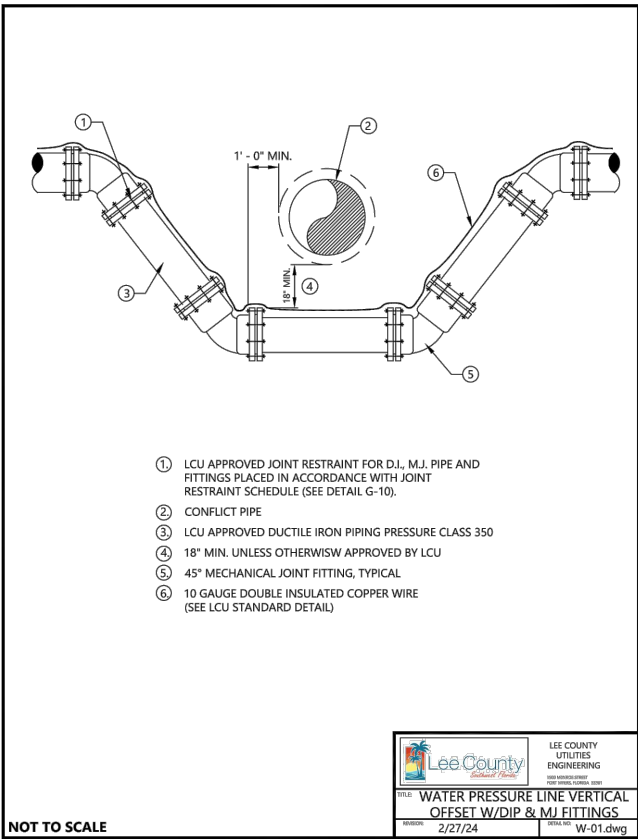
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**RESTRAINT TABLE**

PIPE SIZE	HORIZONTAL DEFLECTIONS				VERTICAL DEFLECTIONS		DEAD ENDS Lr (FT.)	REDUCERS (SEE NOTES)	TEES				
	90° BENDS Lr (FT.)	45° BENDS Lr (FT.)	22.5° BENDS Lr (FT.)	11.25° BENDS Lr (FT.)	45° BENDS Lr (FT.)	45° BENDS Lr (FT.)			SIZE	BRANCH SIZE	Lr (FT.)	Lr (FT.)	
4"	27	11	5	3	31	8	60	6 x 4	64	43	4"	10	11
6"	37	15	7	4	43	11	84	8 x 6	60	46	6"	10	34
8"	48	20	10	5	57	15	110	8 x 8	153	79	8"	10	17
10"	57	24	11	6	68	17	131	10 x 8	55	44	8"	10	59
12"	67	29	13	7	80	20	152	10 x 10	46	36	10"	10	17
16"	88	38	17	9	106	27	198	12 x 8	104	59	10"	10	80
20"	107	47	21	11	129	33	249	16 x 12	81	45	10"	10	45
24"	131	57	26	14	161	42	336	20 x 16	58	45	12"	10	79
								20 x 12	139	81	12"	10	49
								24 x 20	55	45	12"	10	38
								24 x 16	128	82	12"	10	24
								20"	20"	10	10"	10	95
								16"	16"	10	10"	10	63
								12"	12"	10	10"	10	49
								8"	8"	10	10"	10	38
								24"	24"	10	116	10	87
								18"	18"	10	53	10	16
								12"	12"	10	24	10	16
								8"	8"	10	10	10	10

Lee County UTILITIES ENGINEERING  
RESTRAINED LENGTH SCHEDULE  
4/3/24 G-10.dwg



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BRENDAN D. SLOAN  
LICENSE No. 69978  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER

DATE	BY	REVISION DESCRIPTION

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PROJ. MGR. BRENDAN D. SLOAN, PE  
LEE COUNTY DOT PROJECT: CN160642/ANB  
LDDT PROJ. MGR. VINCENT MILLER

**AVALON ENGINEERING, INC.**  
2503 DEL PRADO BLVD, SUITE 200  
CAPE CORAL, FLORIDA 33904  
FBPE #3126 (239) 573-2077

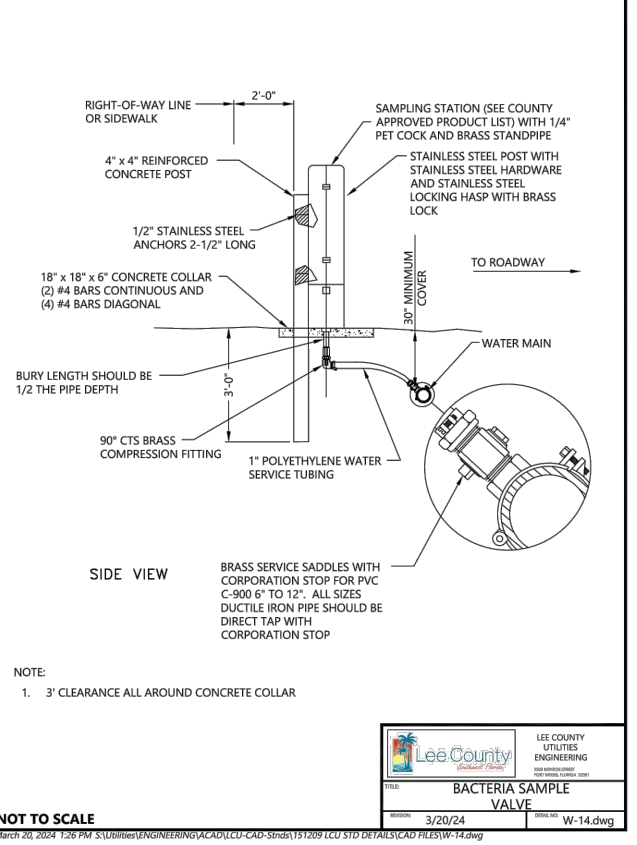
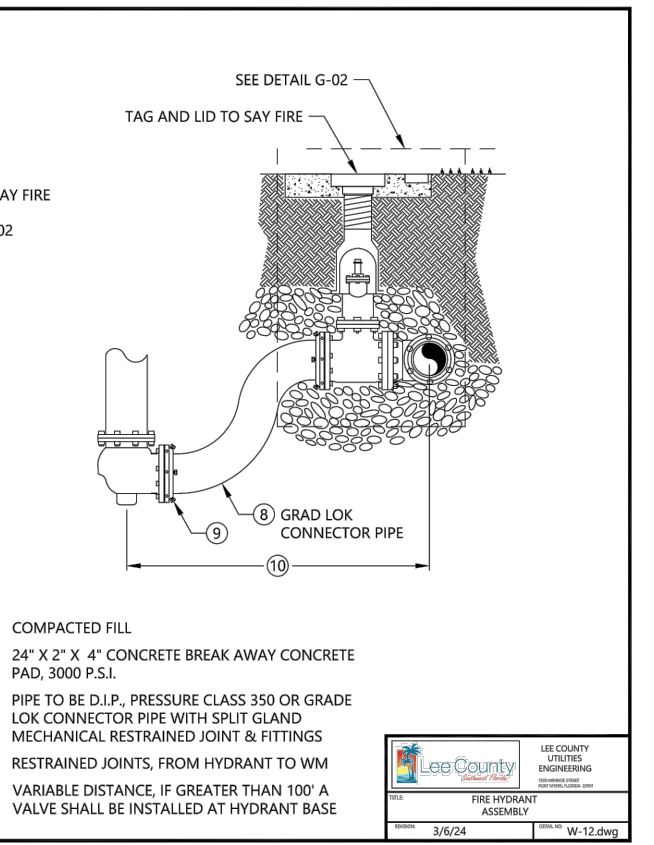
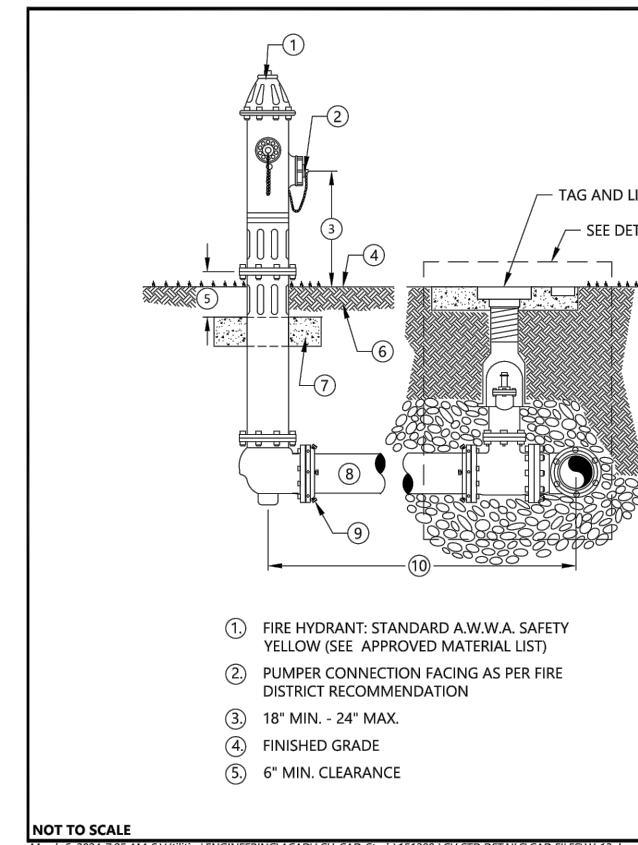
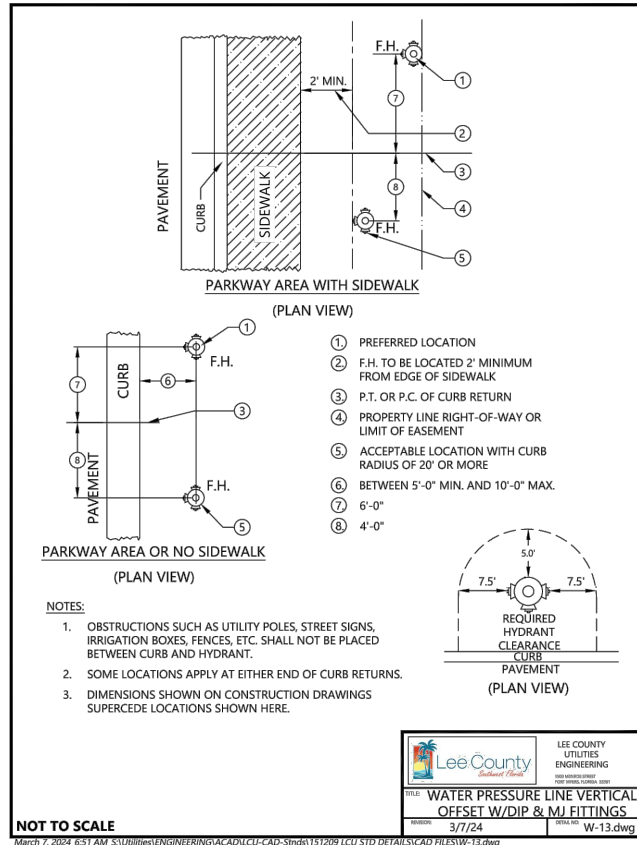
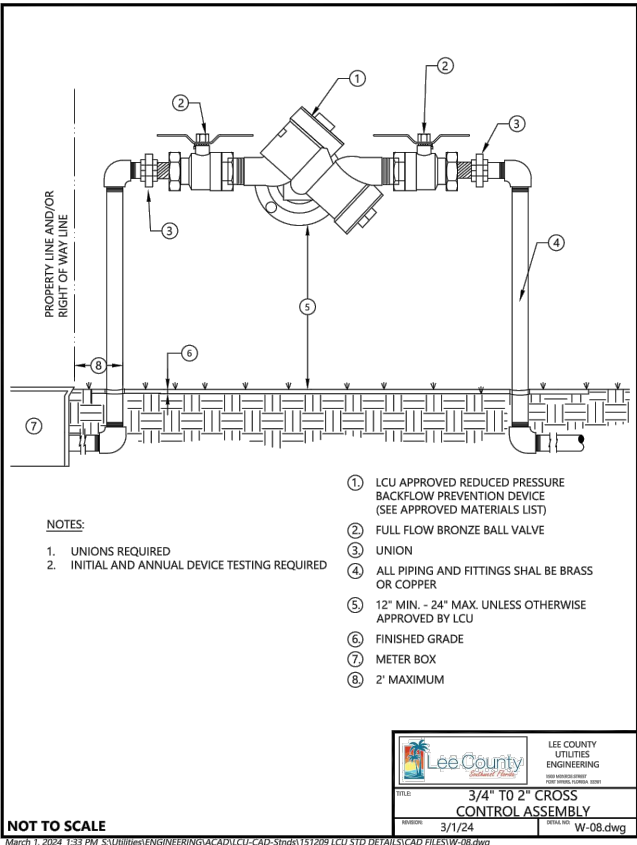
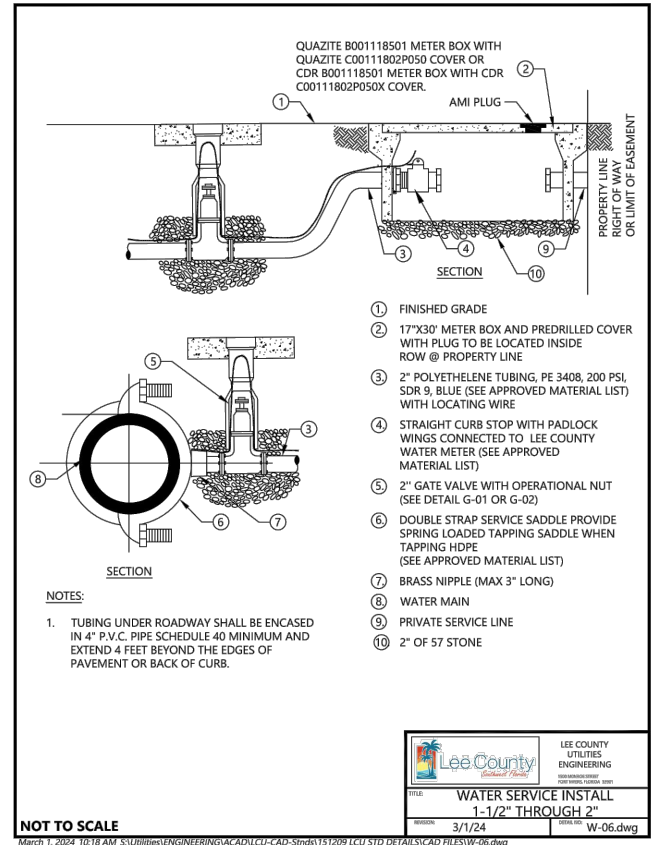
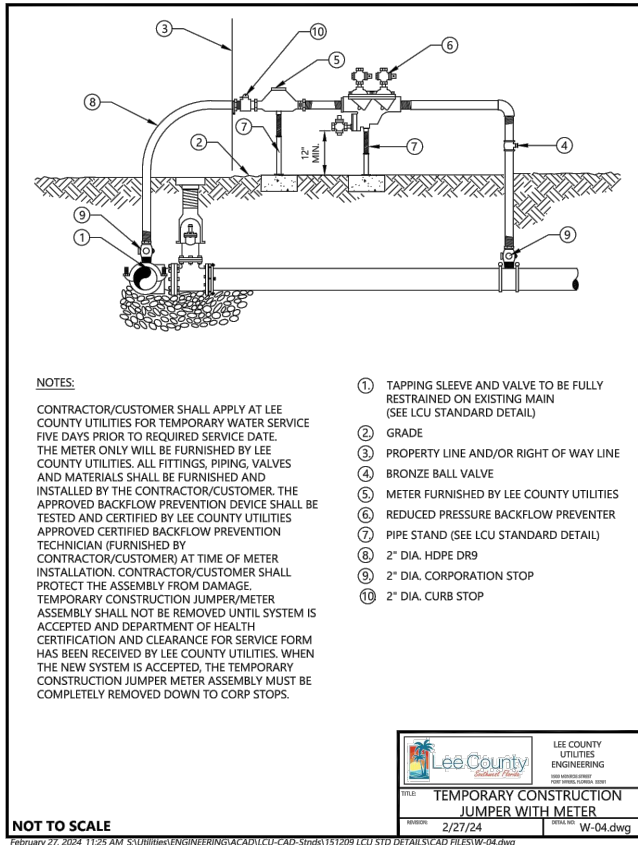
LEE COUNTY DEPARTMENT OF TRANSPORTATION  
(239) 533-8580

**THREE OAKS PARKWAY EXTENSION**  
PHASE II: STA 288+36.50 TO DANIELS PKWY  
LEE COUNTY, FLORIDA

**UTILITY DETAILS**

**SHEET U-12**

P:\CAD\2017\17-372 PH2\PH2-UTILITY-AD\PH2-UTIL-DTL-UTIL.dwg, U-13 UTILITY, 10/14/2024 7:10:22 AM, Avalon Engineering, Inc.



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 2503 DEL PRADO BLVD, SUITE 200  
 CAPE CORAL, FLORIDA 33904  
 FBPE #3126 (239) 573-2077

LEE COUNTY DEPARTMENT OF TRANSPORTATION  
 (239) 633-8580

THREE OAKS PARKWAY EXTENSION  
 PHASE II: STA 288+36.50 TO DANIELS PKWY  
 LEE COUNTY, FLORIDA

UTILITY DETAILS

SHEET U-13