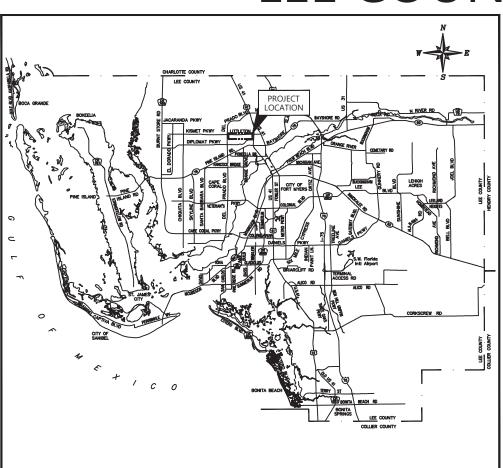
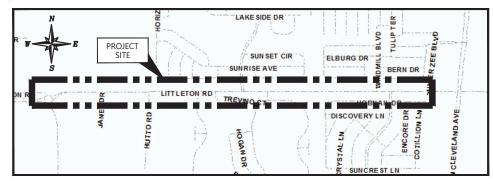
# LEE COUNTY BOARD OF COUNTY COMMISSIONERS LEE COUNTY UTILITIES ENGINEERING LITTLETON ROAD WATERMAIN REPLACEMENT LEE COUNTY, FLORIDA





### PROJECT SITE

THIS IS TO CERTIFY THAT THESE PLANS AND THE ASSOCIATED CONSTRUCTION PROJECT ARE IN SUBSTANTIAL COMPLIANCE WITH THE LEE COUNTY LAND DEVELOPEMENT CODE WITH THE EXCEPTION OF THE FOLLOWING DEVIATIONS WHICH HAVE BEEN APPROVED BY THE ASSISTANT COUNTY MANAGER.

DEVIATIONS: NONE

JOEL ALLAN MAKAU, P.E. FLORIDA P.E. #86414

DATE

DEVELOPEMENT ORDER APPROVED: LEE COUNTY ADMINISTRATION

GLEN SALYER ASSISTANT COUNTY MANAGER DATE

PROJECT LOCATION

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

ELEVATIONS BASED ON NORTH AMERICAN VERTICAL DATUM NAVD88.

### LEE COUNTY COMMISSIONERS

**SHEET INDEX** 

**COVER SHEET** 

SIGNATURE SHEET

SHEET DESCRIPTION

LCU STANDARD SYM, ABBREV & NOTES SHEET

LITTLETON RD STA 25+00 TO 30+80

LITTLETON RD STA 30+80 TO 36+40

LITTLETON RD STA 36+40 TO 42+00

LITTLETON RD STA 42+00 TO 47+60 LITTLETON RD STA 47+60 TO 53+20

LITTLETON RD STA 53+20 TO 58+80

LITTLETON RD STA 58+80 TO 64+40 NORTH

LITTLETON RD STA 58+80 TO 64+40 SOUTH

LITTLETON RD STA 64+40 TO 70+00 SOUTH

LITTLETON RD STA 70+00 TO 75+60 SOUTH

LITTLETON RD STA 75+60 TO 81+20 SOUTH

LITTLETON RD STA 86+80 TO 89+50 SOUTH

DIST 1. Kevin Ruane

DIST 2. Cecil L Pendergrass
DIST 3. Raymond Sandelli

DIST 3. Raymond Sand

DIST 5. Frank Mann

### **COUNTY MANAGER**

LITTLETON RD CROSSOVERS

LCU STANDARD DETAILS SHEET 1

LCU STANDARD DETAILS SHEET 2

Roger Desjarlais

### ASSISTANT COUNTY MANAGER

Glen Salyer

### **DIRECTOR OF PUBLIC UTILITIES**

Pamela S. Keyes, P.E.

	REVISIONS					
lo.:	DATE:	DESCRIPTION:	APPROVED:			



LEE COUNTY UTILITIES ENGINEERING

1500 MONROE STREET FORT MYERS, FLORIDA 3390

02/09/2022

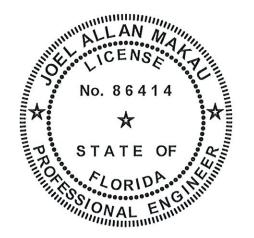
PROJECT No.:

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1 <sub>OF</sub>

THE PROFESSIONAL ENGINEERS NAME TO THE RIGHT SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET INDEX					
Sheet Number	SHEET DESCRIPTION				
1	COVER SHEET				
2	SIGNATURE SHEET				
3	LCU STANDARD SYM, ABBREV & NOTES SHEET				
4	LITTLETON RD STA 25+00 TO 30+80				
5	LITTLETON RD STA 30+80 TO 36+40				
6	LITTLETON RD STA 36+40 TO 42+00				
7	LITTLETON RD STA 42+00 TO 47+60				
8	LITTLETON RD STA 47+60 TO 53+20				
9	LITTLETON RD STA 53+20 TO 58+80				
10	LITTLETON RD STA 58+80 TO 64+40 NORTH				
11	LITTLETON RD STA 58+80 TO 64+40 SOUTH				
12	LITTLETON RD STA 64+40 TO 70+00 SOUTH				
13	LITTLETON RD STA 70+00 TO 75+60 SOUTH				
14	LITTLETON RD STA 75+60 TO 81+20 SOUTH				
15	LITTLETON RD STA 81+20 TO 86+80 SOUTH				
16	LITTLETON RD STA 86+80 TO 89+50 SOUTH				
17	LITTLETON RD CROSSOVERS				
18	LCU STANDARD DETAILS SHEET 1				
19	LCU STANDARD DETAILS SHEET 2				



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

JOEL ALLAN MAKAU, P.E. P.E. LICENSE NUMBER 86414 LEE COUNTY UTILITIES 1500 MONROE ST. FORT MYERS, FL 33901

Joel Allan Makau PE 86414 State of Florida Date: 2023.05.01 11:52:20

Digitally signed by Joel Allan Makau PE 86414 State of Florida -04'00'



LEE COUNTY UTILITIES **ENGINEERING** 

1500 MONROE STREET FORT MYERS, FLORIDA 33901

DRAWN: DRW	CHECKED:  JAM	
DESIGNED: JAM	DATE: 02/09/2022	
HORIZ. SCALE (FULL): 1" = 40'		
VERT, SCALE (FULL):		

1" = 4"

SHEET TITLE: **LITTLETON ROAD** SIGNATURE SHEET

> 10" WATERMAIN REPLACEMENT

TITLE:

PROJECT:

LITTLETON ROAD WATERMAIN REPLACEMENT

PROJECT NO .:

LITTLETON RD WM RELOCATION SIG SHT.dwg

SHEET NUMBER:

2 of 19

### **SYMBOLS ABBREVIATIONS** AIR RELEASE VALVE AC - ASBESTOS CEMENT ⑻ AUTOMATIC FLUSHING DEVICE AFD - AUTOMATIC FLUSHING DEVICE (SP) BACTERIAL SAMPLE POINT ARV - AIR RELEASE VALVE $\sim$ BEND **BOV - BLOW-OFF VALVE BLOW-OFF VALVE BV - BUTTERFLY VALVE** CAP CI - CAST IRON **CROSS** CMP - CORRUGATED METAL PIPE FIRE HYDRANT, EXISTING CO - CLEANOUT FIRE HYDRANT DDCV - DOUBLE DETECTOR CHECK VALVE (DCDA) GATE VALVE, EXISTING DI - DUCTILE IRON $V \vee$ GATE VALVE, PLUG VALVE **EOP - EDGE OF PAVEMENT** IR IRRIGATION METER FH - FIRE HYDRAN1 MANHOLE, EXISTING FM - FORCE MAIN MANHOLE GM - GRAVITY MAIN $\blacksquare$ MECHANICAL JOINT SLEEVE GV - GATE VALVE POWER POLE HDPE - HIGH DENSITY POLYURETHANE REDUCER, EXISTING IRR - IRRIGATION REDUCER MH - MANHOLE SEWER CLEAN OUT, EX. (LATERAL PSP - PERMANENT SAMPLE POINT SEWER CLEAN OUT (LATERAL) PV - PLUG VALVE 山 PVC - POLYVINYL CHLORIDE TEE, SADDLE WATER METER, EXISTING RCP - REINFORCED CONCRETE PIPE WATER METER **RDCR - REDUCER** S-SHAPED FITTING **ROW - RIGHT OF WAY** X LINE STOP SP - STEEL PIPE D DDCV (DCDV) TSP - TEMPORARY SAMPLE POINT LIFT STATION VCP - VITRIFIED CLAY PIPE $\blacksquare$ CASING (WATER/SEWER) WM - WATER MAIN

### STANDARD PLAN NOTES

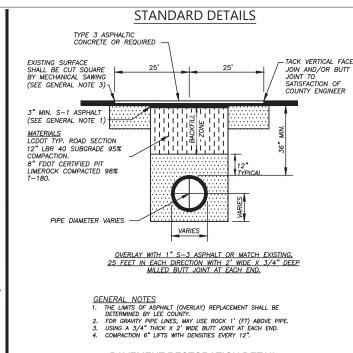
THE STANDARD NOTES SHOWN BELOW SHALL BE INCLUDED ON ALL WATER AND SEWER PLANS SUBMITTED FOR APPROVAL TO LEE COUNTY UTILITIES (LCU).

- 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.I FEGOV.COM/LITILITIES/DESIGN-MANUAL
- ALL REGULATORY AND PERMITTING AGENCIES' REQUIREMENTS
   SHALL BE COMPLIED WITH AS WELL.
- 3. ANY QUANTITIES SHOWN ON PLANS ARE NOT VERIFIED BY LCU.
  4. THE INFORMATION PROVIDED IN THESE PLANS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF CONDITIONS THAT 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.
- ALL CONSTRUCTION WORK PERFORMED MUST BE DONE BY A CONTRACTOR LICENSED IN THE STATE OF FLORIDA TO DO THE WORK INTENDED.
- 6. 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 TWO (2) WORKING DAYS PRIOR TO THE PRE-CONSTRUCTION MEETING.
- 7. ONE COPY OF THE LCU APPROVED/STAMPED CONSTRUCTION PLANS, ALL CONTRACT DOCUMENTS, REFERENCE DOCUMENTS AND TECHNICAL DOCUMENTS SUBMITTED MUST BE KEPT AT THE SITE AND MAINTAINED IN GOOD ORDER.
- 8. ALL WORK AND MATERIALS, WHICH DO NOT CONFORM TO LCU SPECIFICATIONS, ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
- ANY WORK PERFORMED WITHOUT THE KNOWLEDGE OF LCU IS SUBJECT TO RE-EXCAVATION, REMOVAL AND REPLACEMENT OF SAME TO BE DONE AT THE CONTRACTOR'S EXPENSE.
- 10. LCU INSPECTION STAFF IS TO BE PRESENT FOR ALL HOT TAPS, PRESSURE TESTS, LIFT STATION START-UPS AND FOR ANY 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 ONE-WEEK NOTICE.
- 11. TRAFFIC MUST BE MAINTAINED AT ALL TIMES AS PER LEE COUNTY DEPARTMENT OF TRANSPORTATION (LCDOT) AND PER FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND REIDGE CONSTRUCTION LATEST EDITION
- AND BRIDGE CONSTRUCTION, LATEST EDITION.

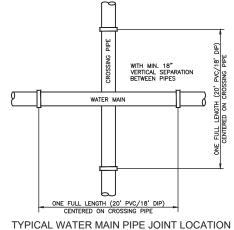
  12. THE CONTRACTOR IS TO UNCOVER ALL EXISTING LINES BEING TIED INTO AND VERIFY GRADES BEFORE BEGINNING CONSTRUCTION.
- 13. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE 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.
- 14. THE CONTRACTOR SHALL VERIFY ALL UTILITIES AND PROVIDE AT LEAST TWO (2) WORKING DAYS NOTICE TO THE INDIVIDUAL UTILITY COMPANIES, FDOT AND LCDOT PRIOR TO CONSTRUCTION.
- 15.IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND TAKE ALL POSSIBLE PRECAUTIONS TO AVOID ANY DAMAGE TO ALL UNDERGROUND PIPELINES, TELEPHONE, CABLE TV, ELECTRIC LINES/CONDUITS AND STRUCTURES IN ADVANCE OF ANY CONSTRUCTION. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES THAT MAY OCCUR DUE TO HIS FAILURE TO EXACTLY LOCATE AND PROTECT EXISTING UTILITIES AND STRUCTURES.
- 16. ANYTHING NOT SHOWN ON THESE DRAWINGS SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND SHALL NOT CONSTITUTE AN EXTRA, UNLESS APPROVED BY THE ENGINEER OF RECORD.

### STANDARD PLAN NOTES CONTINUED

- 17. THE CONTRACTOR SHALL CONTACT THE ENGINEER AND LCU IMMEDIATELY CONCERNING ANY CONFLICTS WITH LCU UTILITIES/STRUCTURES ARISING DURING CONSTRUCTION OF ANY FACILITIES SHOWN ON THESE DRAWINGS.
- 18. THE CONTRACTOR SHALL VERIFY ALL QUANTITIES SHOWN ON THE PLANS. IF ANY DISCREPANCIES IN QUANTITIES ARE FOUND, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD AND LCU.
- 19. 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.
- 20. WITHIN THE FDOT AND LCDOT RIGHT-OF-WAY, ALL DISTURBED AREAS SHALL RECEIVE GRASSING (SEEDING) OR SODDING MATERIALS IN ACCORDANCE WITH FDOT SPECIFICATIONS. THOSE AREAS THAT ARE CLASSIFIED AS DRAINAGE DITCHES SHALL RECEIVE FULL SOLID SOD.
  21. ALL FRAMES. COVERS VALVE BOXES. METER BOXES AND
- 21. 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 WILL BE ALLOWED.
- 22. APPROPRIATE TURBIDITY CONTROL DEVICES (E.G. SILT FENCES HAY BALES) WILL BE UTILIZED DURING ALL PHASES OF INSTALLATION AND GRADING. CONTRACTOR IS RESPONSIBLE FOR SUBMITTING THE NOTICE OF INTENT AND NOTICE OF TERMINATION TO THE EPA IN COMPLIANCE WITH LEE COUNTY'S NPDES PERMIT.
- 23. CONTRACTOR IS RESPONSIBLE FOR DEVELOPING AND MAINTAINING AN EFFECTIVE STORM WATER POLLUTION PREVENTION PLAN.
- 24. LCU REQUIRES 30" OF COVER FOR ALL UNDERGROUND PIPING EXCEPT UNDER PAVEMENT, WHERE 36" OF COVER IS REQUIRED IF LCU REQUIRED COVER CANNOT BE MAINTAINED, THE CONTRACTOR SHALL PROVIDE OTHER METHODS OF CONSTRUCTION OR PIPE PROTECTION, WHICH SHALL FIRST 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.
- 25.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.
- 26.LCU REQUIRES THERE TO BE A MINIMUM OF FIVE (5) FEET HORIZONTAL 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.
- 27. THE ROOT BALL OF PALM TREES SHALL BE A MINIMUM OF FIVE
  (5) FEET AND THE ROOT BALL OF SHADE TREES SHALL BE A
  MINIMUM OF TEN (10) FEET FROM ANY EXISTING OR PROPOSED
  LCU OWNED AND MAINTAINED PIPE/INFRASTRUCTURE.
- 28. AS THE WORK PROGRESSES THE CONTRACTOR SHALL RECORD ALL CHANGES AND DEVIATIONS FROM THE LCU STAMPED/APPROVED CONSTRUCTION PLANS. IN ADDITION, HE SHALL RECORD THE EXACT LOCATION OF ALL CHANGES IN VERTICAL AND HORIZONTAL ALIGNMENT WITH COORDINATES WITH RESPECT TO THE NAVD 1988 STATE PLANE FLORIDA WEST COORDINATE SYSTEM AS WELL AS ALL REQUIREMENTS SET FORTH IN THE LCU DESIGN MANUAL. THIS INFORMATION IS TO BE FORWARDED TO THE ENGINEER OF RECORD WHO PREPARED, SIGNED AND SEALED THE APPROVED CONSTRUCTION PLANS SO THAT HE CAN PREPARE 'RECORD DRAWINGS' PER THE REQUIREMENTS SET FORTH IN THE LCU DESIGN MANUAL.



PAVEMENT RESTORATION DETAIL
FOR PUBLIC ROADS



TYPICAL WATER MAIN PIPE JOINT LOCATION
AT PERPENDICULAR CROSSINGS
PURSUANT TO CH. 62-555.314, F.A.C.

RIGHT OF WAY

EXISTING PAVEMENT

WATER MAIN

TYPICAL ROADWAY SECTION

Lee County
Southwest Florida

LEE COUNTY UTILITIES ENGINEERING

1500 MONROE STREET FORT MYERS, FLORIDA 33901 DRAWN: CHECKED: JAM
DESIGNED: DATE: 02/09/2022

HORIZ. SCALE (FULL):

/ERT. SCALE (FULL)

SHEET TITLE:

LCU STANDARD SYMBOLS ABBREV. & NOTES SHEET

TITLE:

10" WATERMAIN REPLACEMENT

PROJECT:

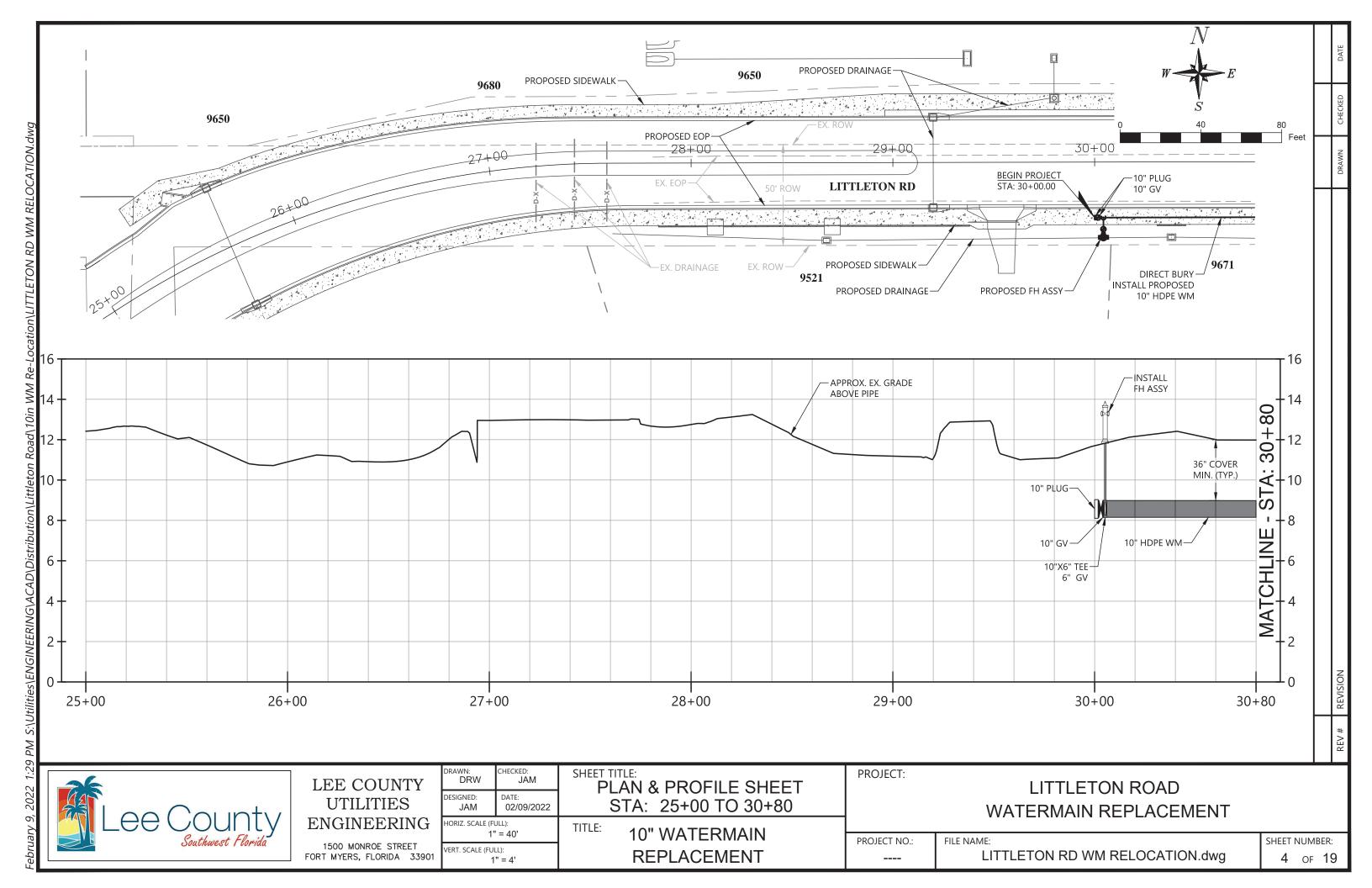
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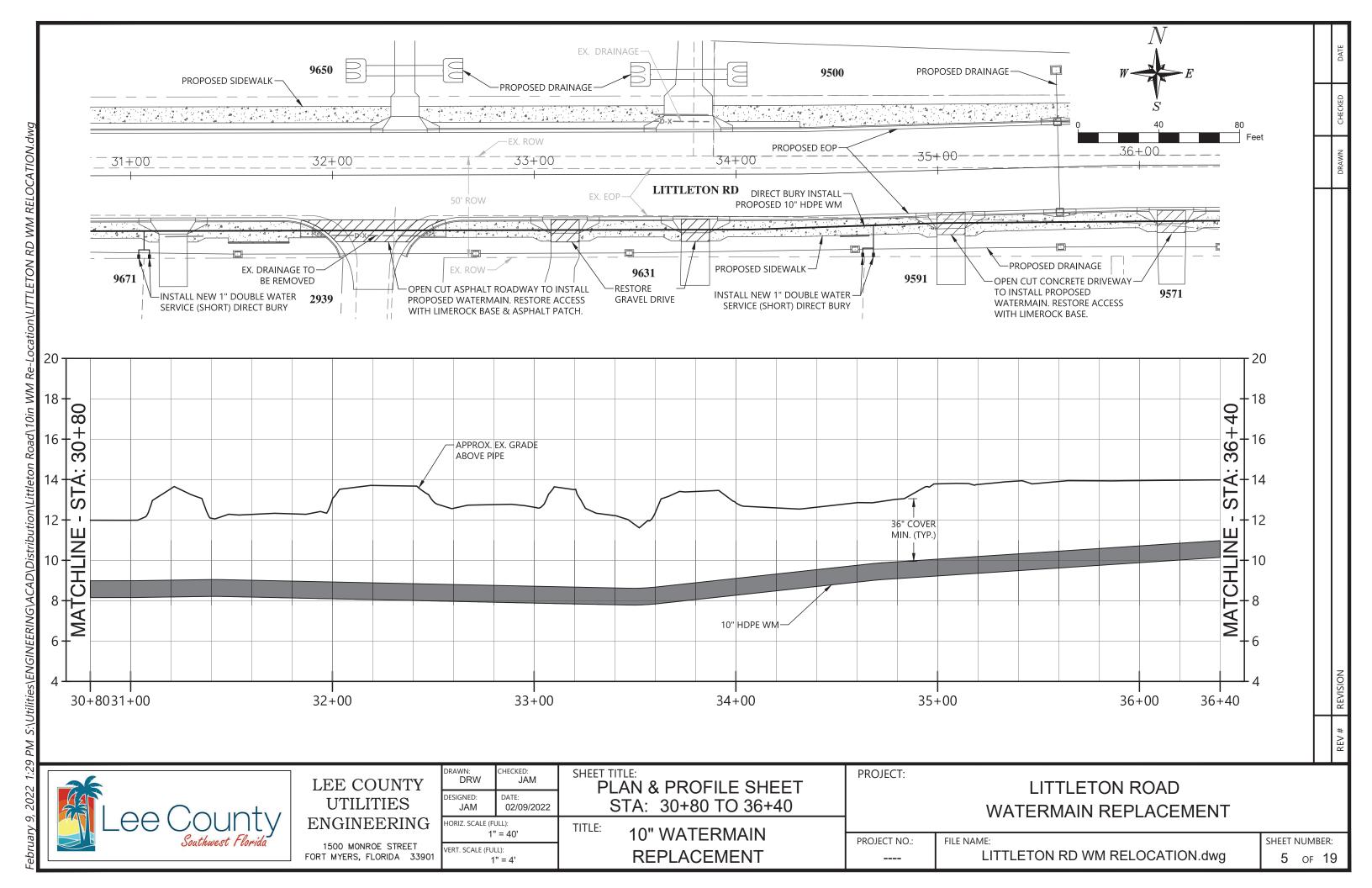
WATERMAIN REPLACEMENT

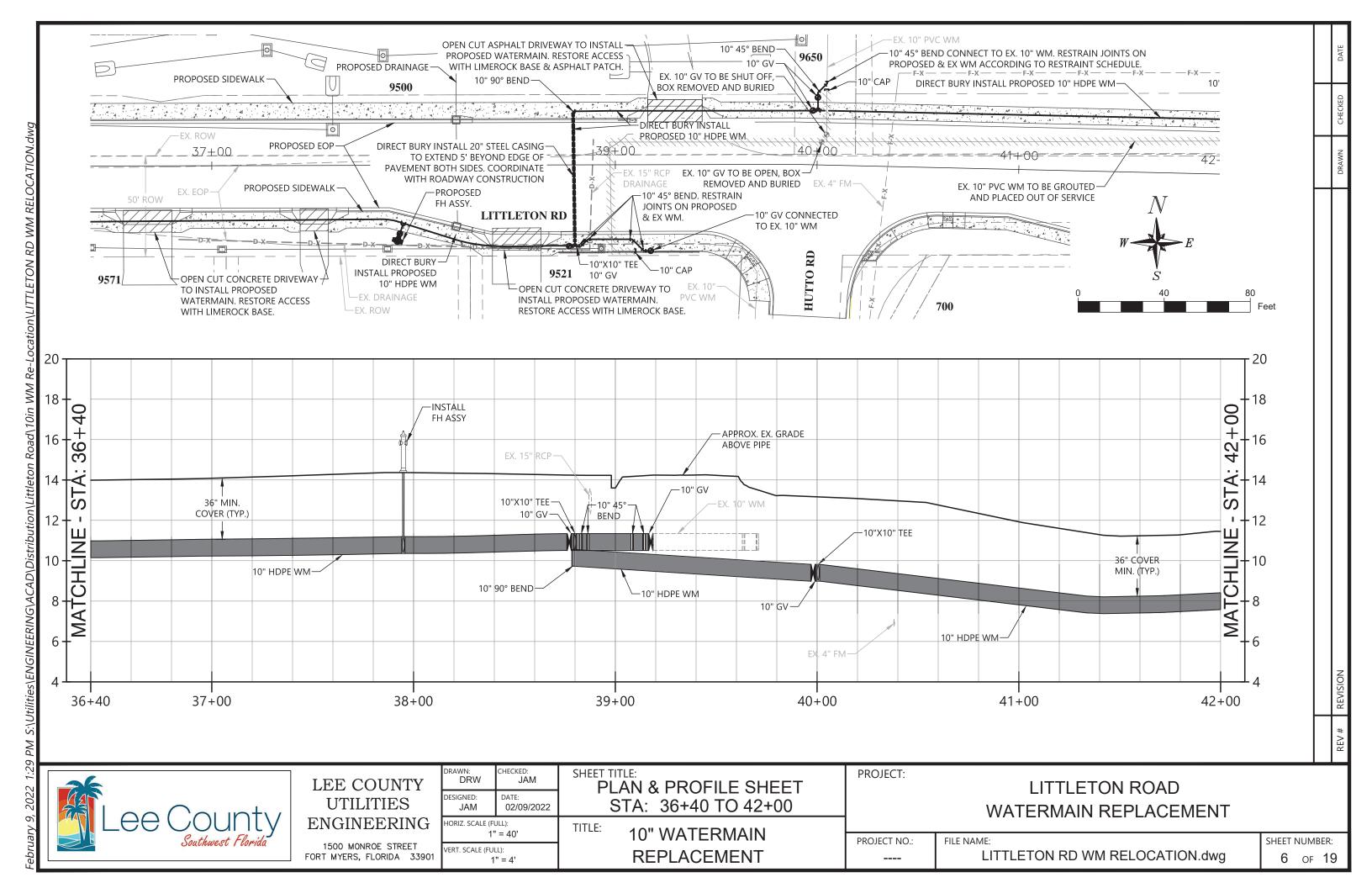
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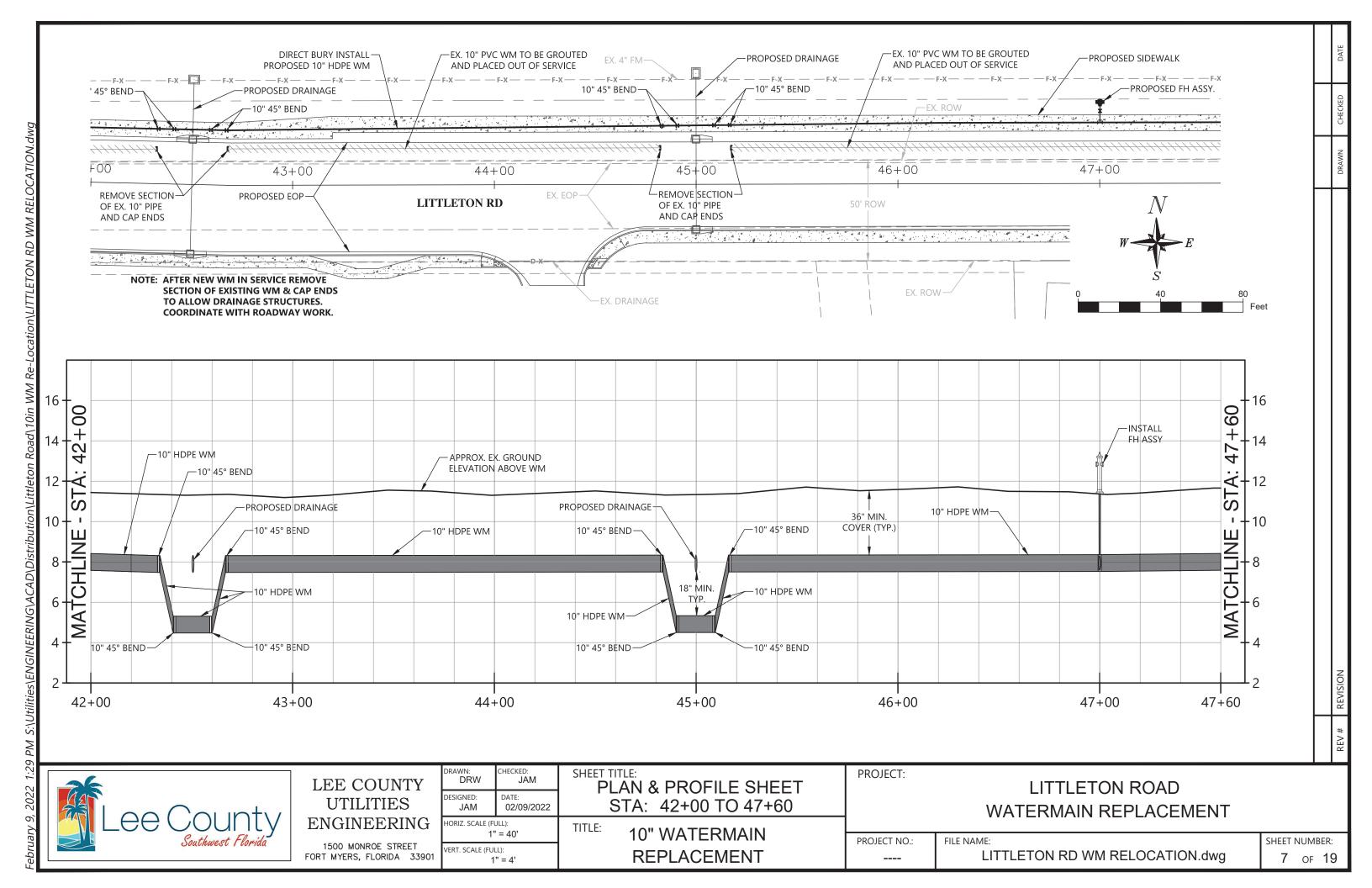
LITTLETON RD WM REL SYM-ABB-NOTES.dwa

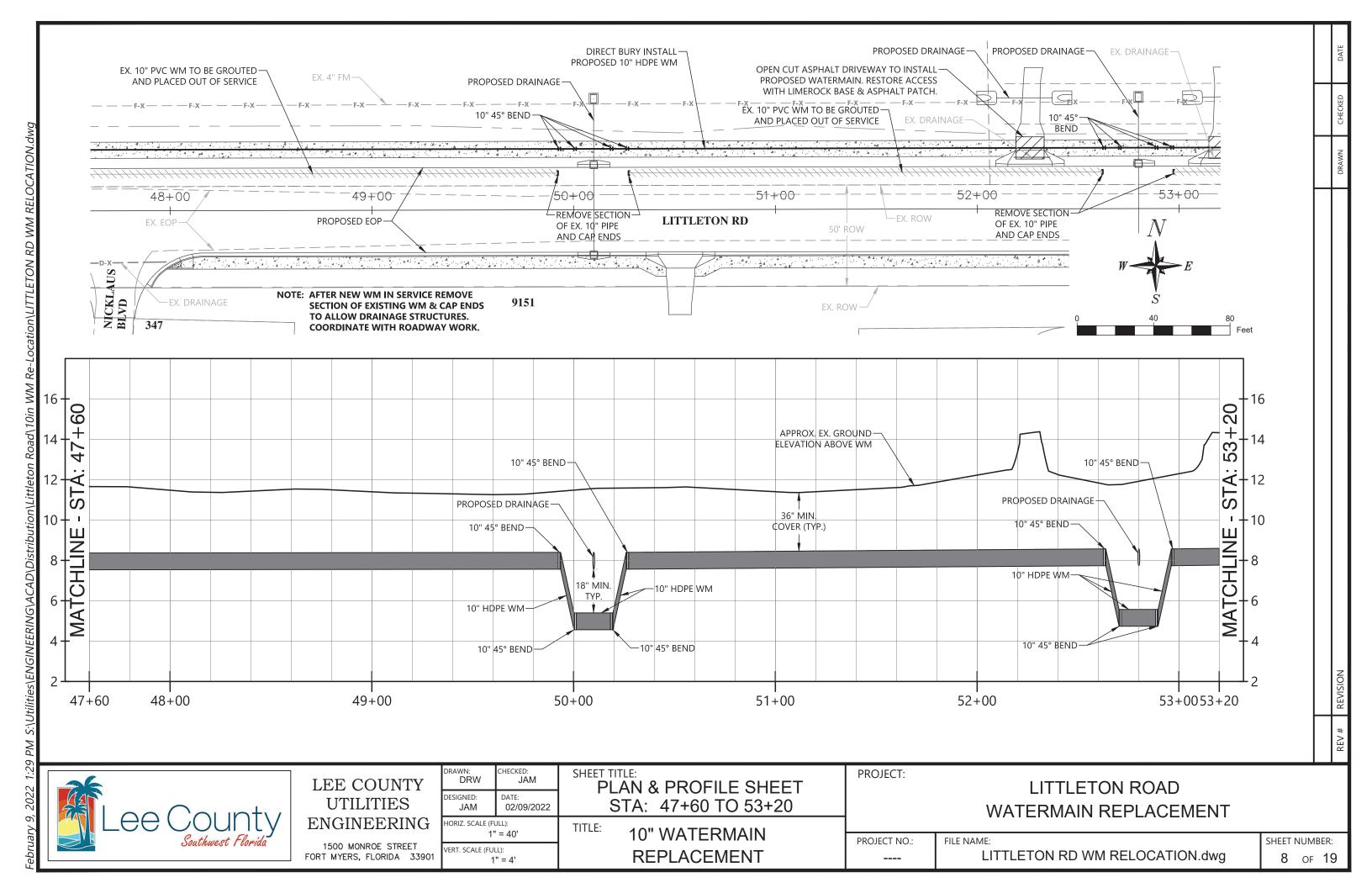
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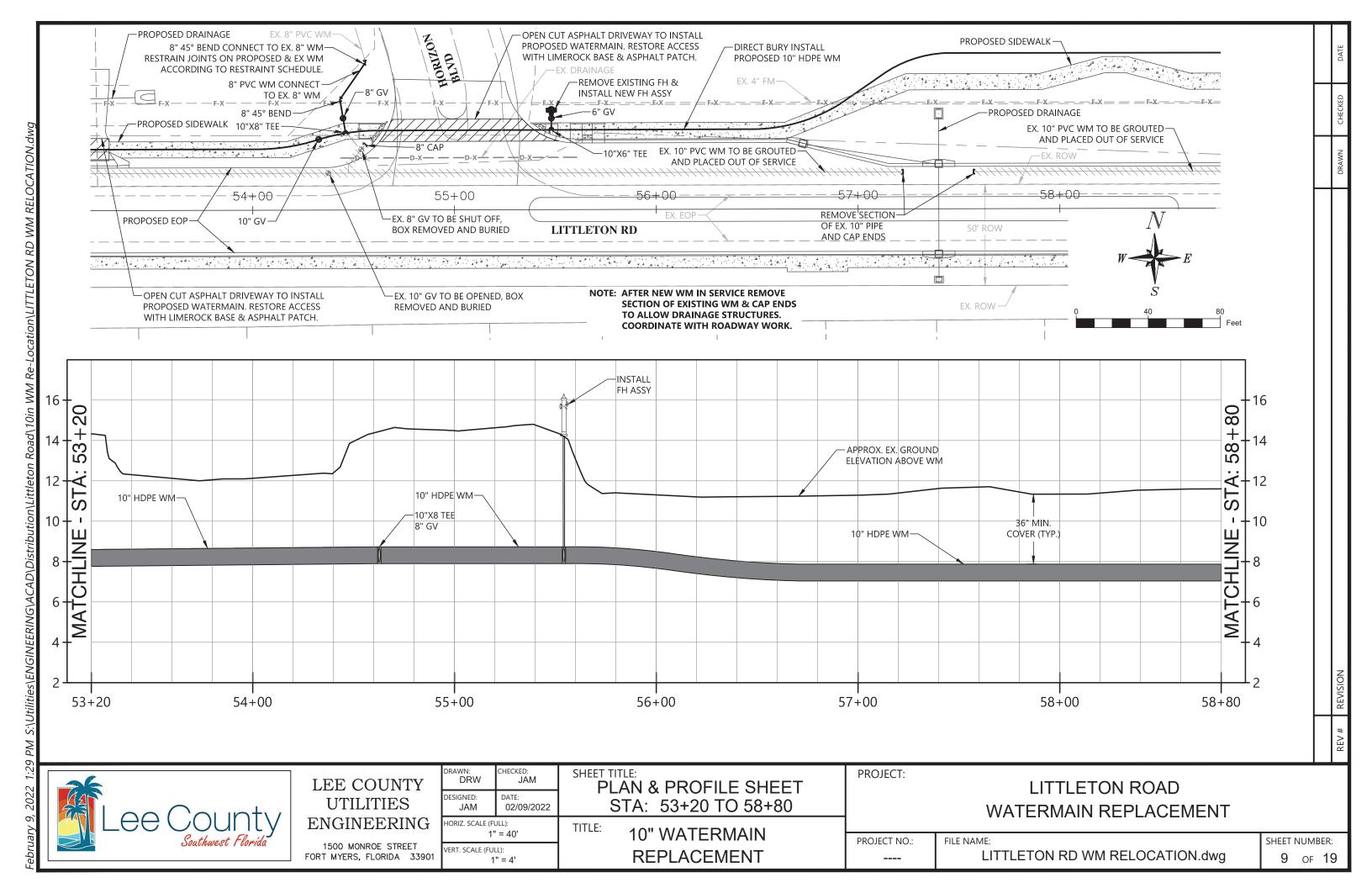


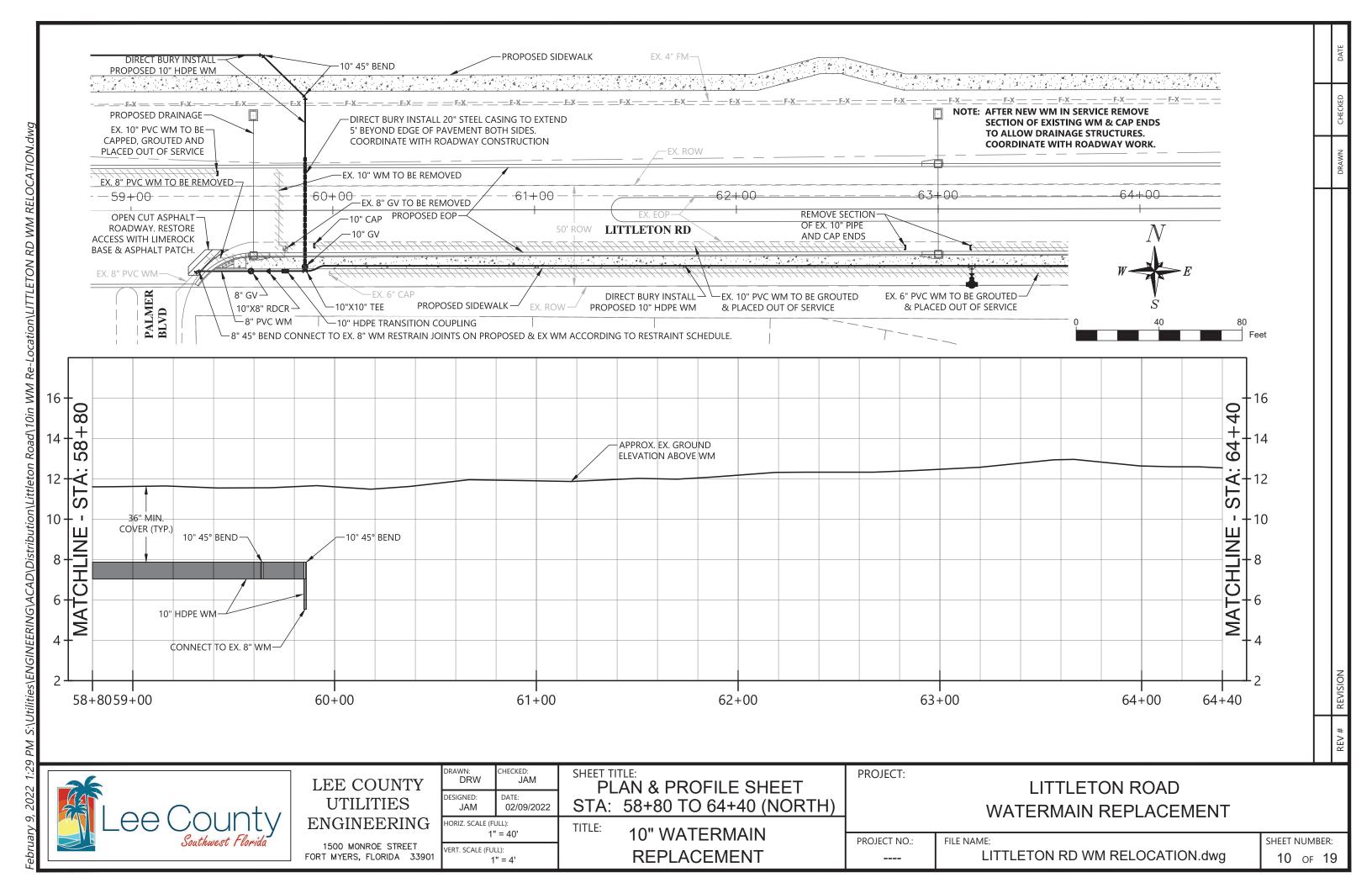


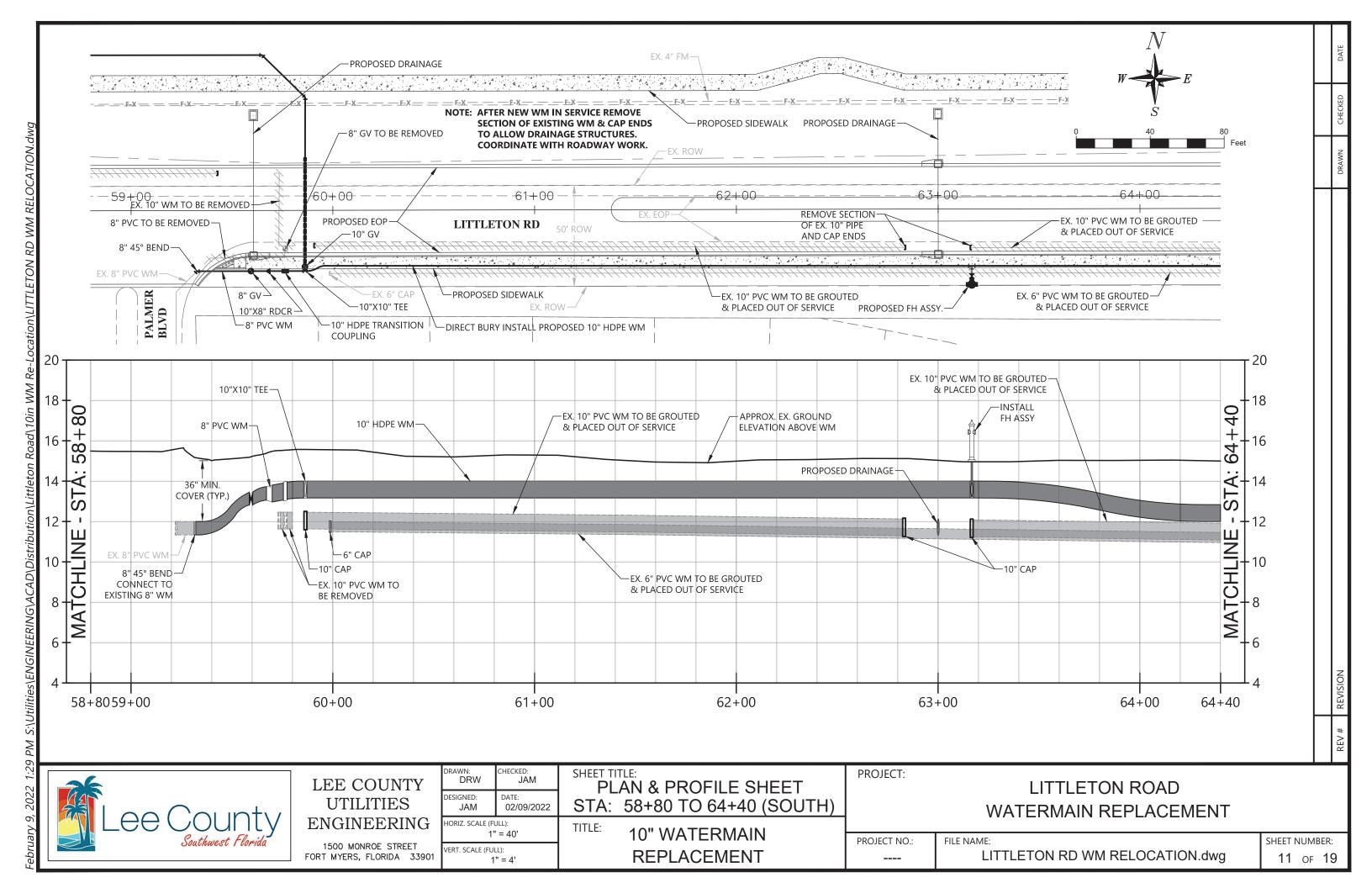


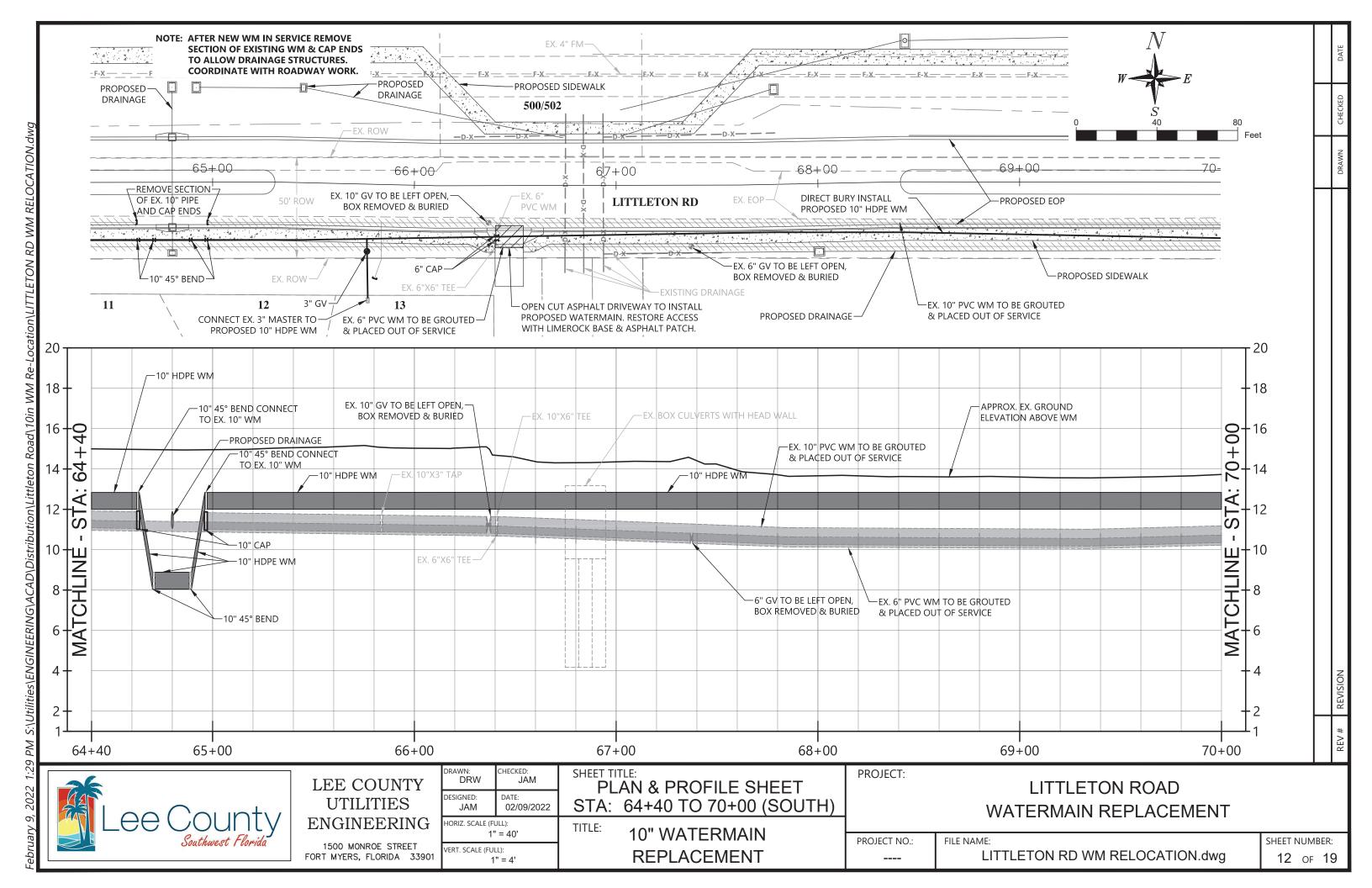


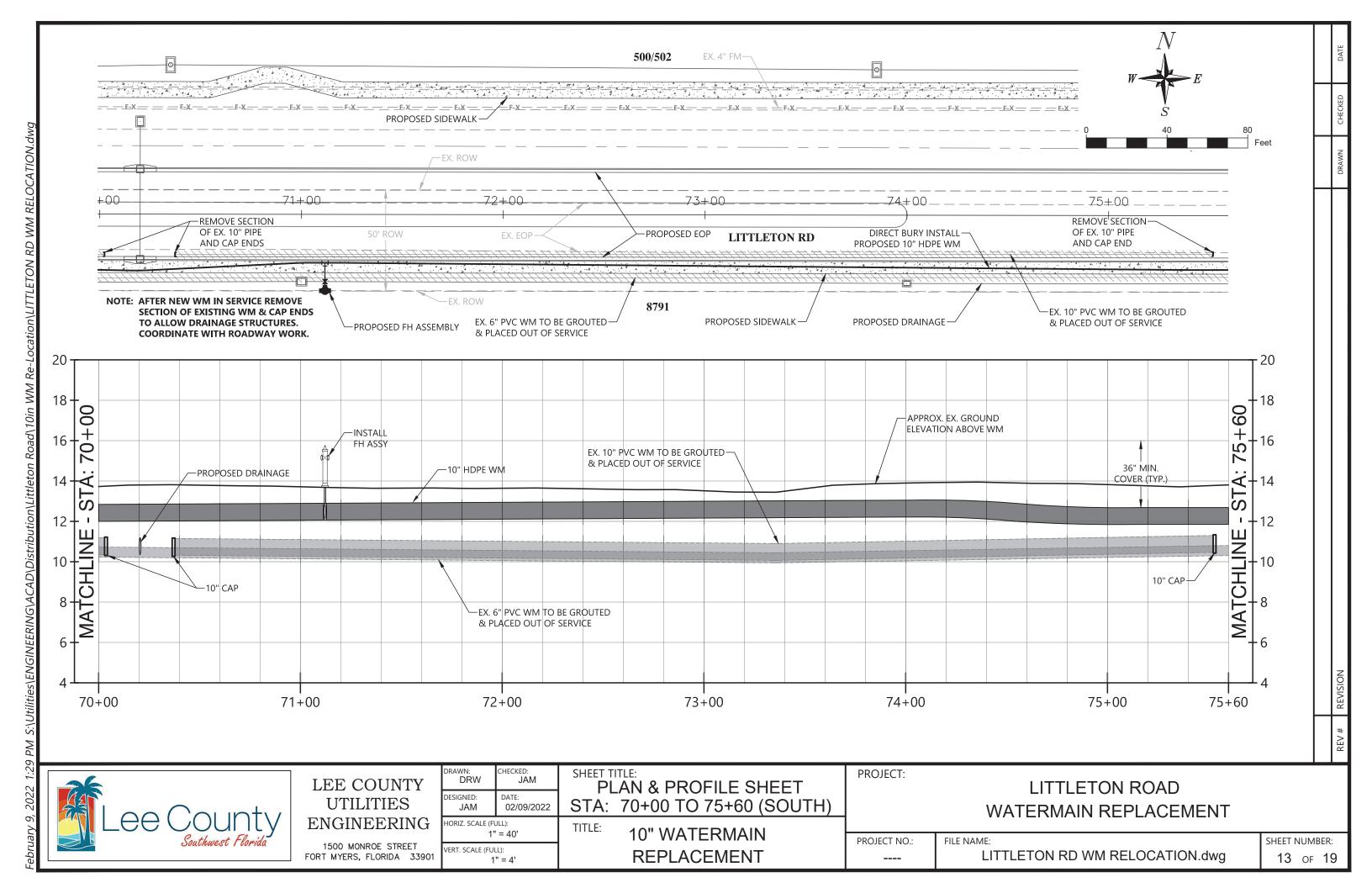


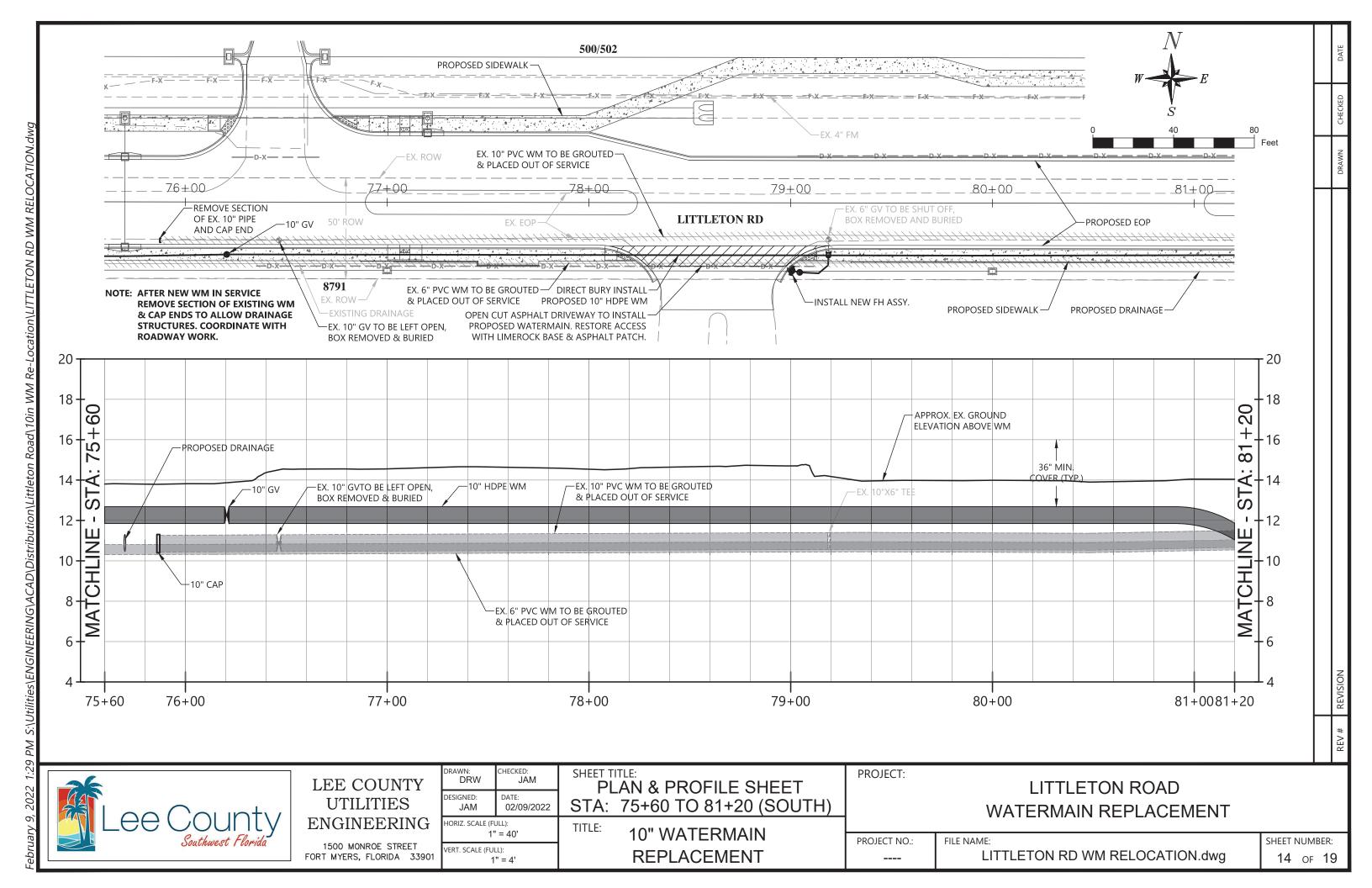


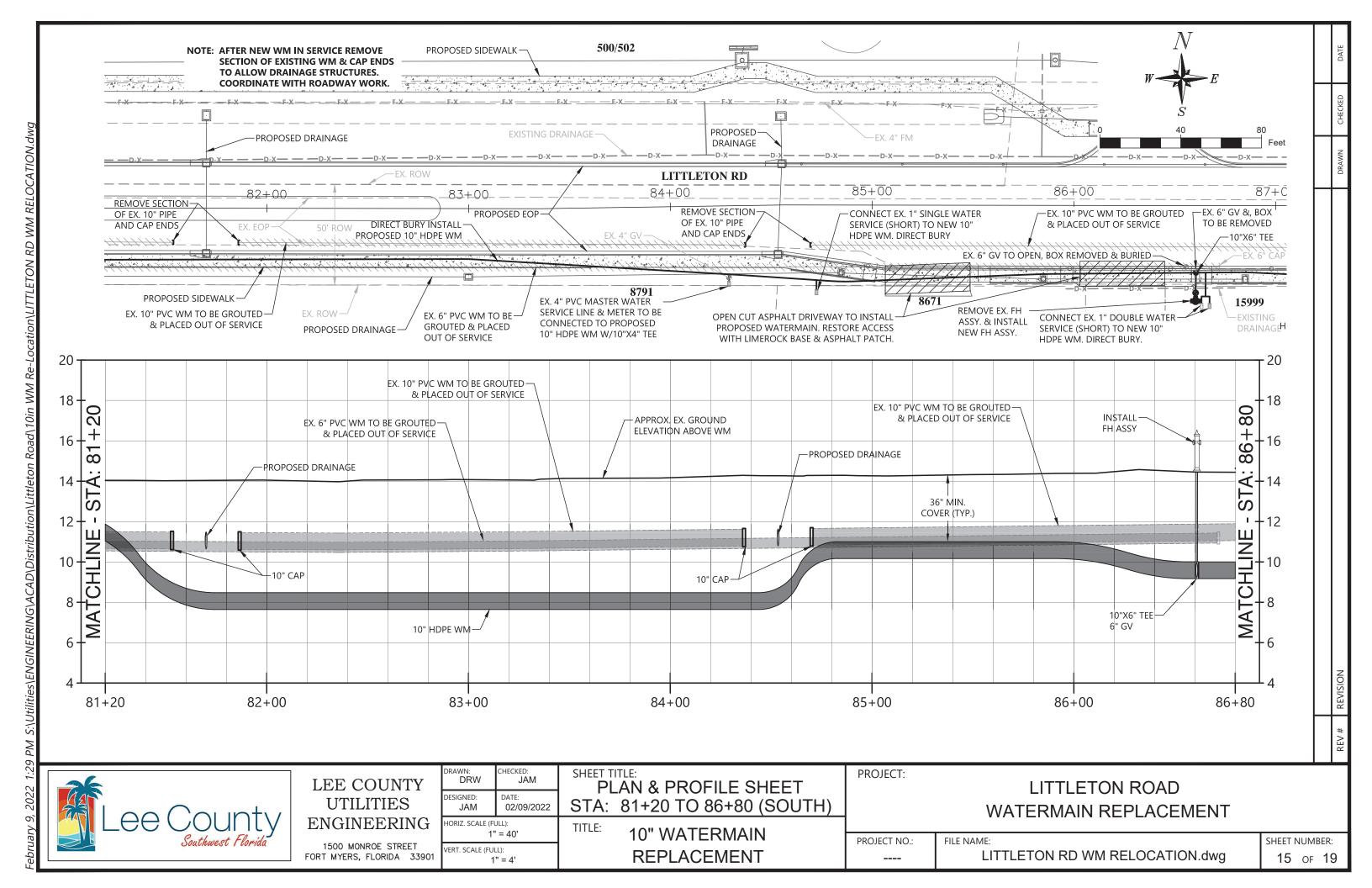


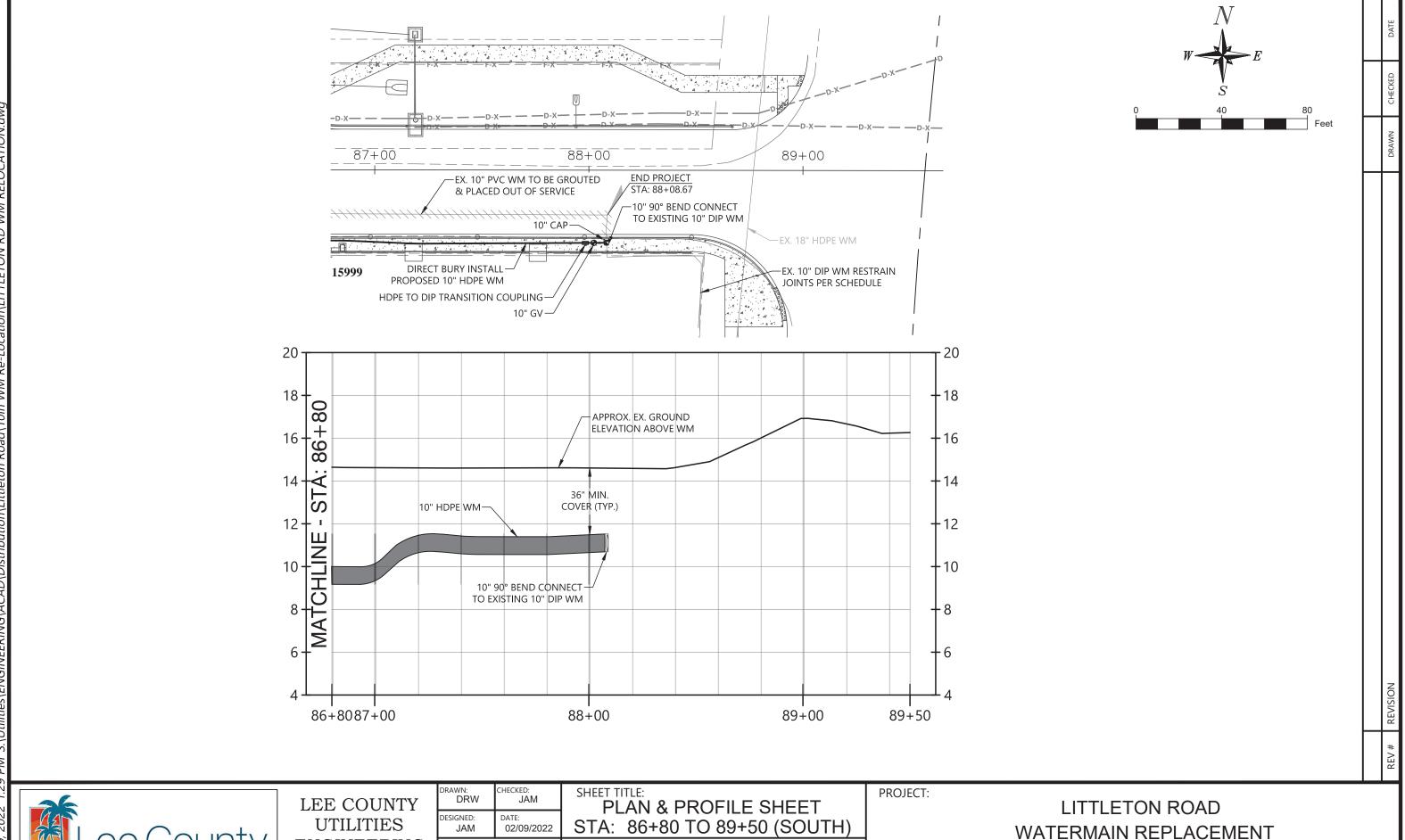












10" WATERMAIN

**REPLACEMENT** 

PROJECT NO.:

SHEET NUMBER:

16 of 19

LITTLETON RD WM RELOCATION.dwg

February 9, 2022 1:29 PM 5

**ENGINEERING** 

1500 MONROE STREET

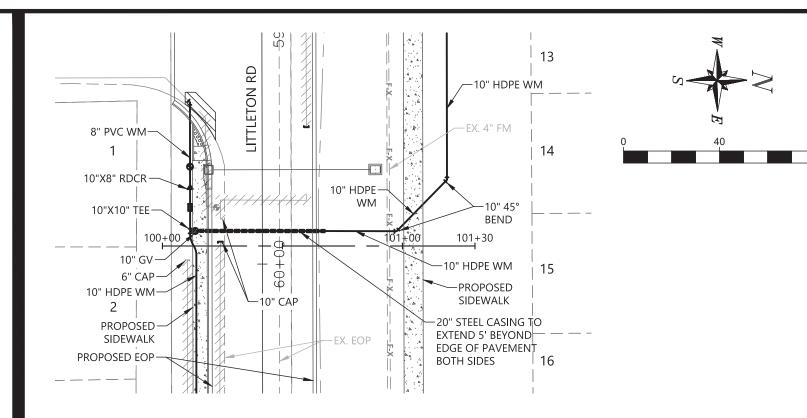
FORT MYERS, FLORIDA 33901

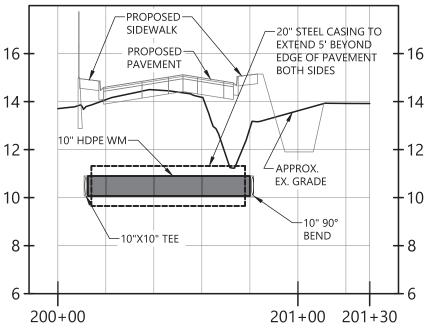
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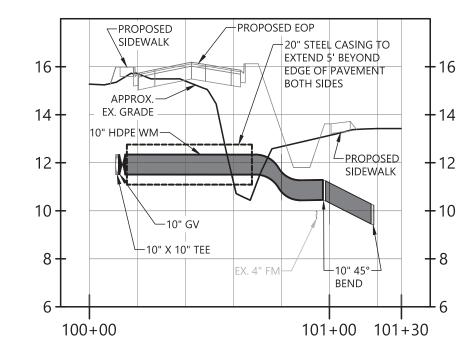
/ERT. SCALE (FULL):

1" = 40'

1" = 4'









LEE COUNTY UTILITIES **ENGINEERING** 

1500 MONROE STREET FORT MYERS, FLORIDA 33901

DRW DESIGNED: JAM HORIZ. SCALE (FULL):

HECKED: JAM DATE: 02/09/2022 TITLE:

1" = 40'

1" = 4'

/ERT. SCALE (FULL):

PLAN & PROFILE SHEET **CROSSOVERS** 

> 10" WATERMAIN REPLACEMENT

PROJECT:

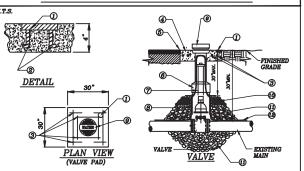
LITTLETON ROAD WATERMAIN REPLACEMENT

PROJECT NO.:

LITTLETON RD WM RELOCATION.dwg

SHEET NUMBER: 17 OF 19

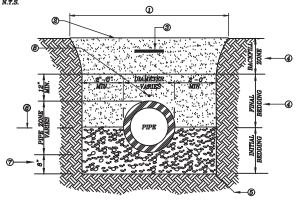
### STANDARD DETAIL NO. 6.2 LEE COUNTY UTILITIES VALVE INSTALLATION



- (1) BRASS PLATE: SIZE OF VALVE, VALVE TYPE No. OF TURNS & DIRECTION TO OPEN VALVE M.F.G. & YEAR INSTALL

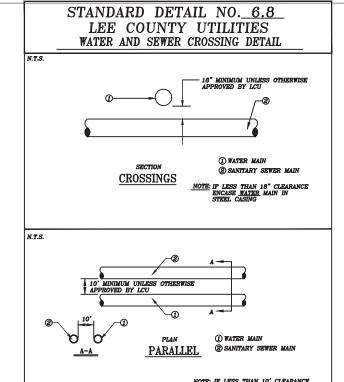
- ② EXTENSION STEM WITH 2" OPERATING NUT AS REQUIRED, IF NUT IS MORE THAN 30" BELOW FINISH GRADE
- (8) RISER NOT TO BEAR ON VALVE OR PIPE
- (9) CAST IRON DROP COVER MARKED "WATER" OR "SEWER" OR "REUSE OR "FIRE
- (0) COMPACTED SUITABLE EARTH BACKFILL
- ① 3/4" GRANULAR MATERIAL #57 STONE
- ② 12 GAUGE DOUBLE INSULATED COPPER LOCATING WIRE (SEE LCU STANDARD DETAIL)

### STANDARD DETAIL NO. 6.5 LEE COUNTY UTILITIES TRENCH CROSS SECTION

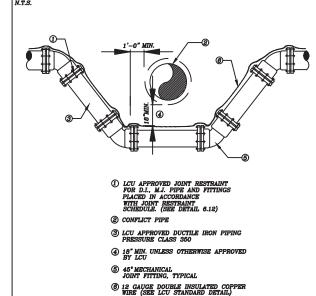


- ① EXCAVATED TRENCH

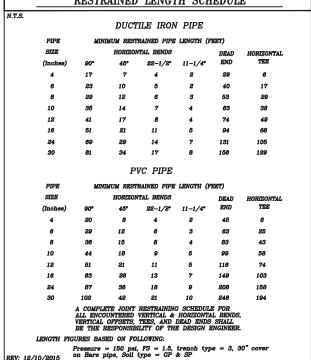
# STANDARD DETAIL NO. 6.7 LEE COUNTY UTILITIES HORIZONTAL DIRECTIONAL DRILL UNDER A ROADWAY PLAN VIEW STANDARD TRENCH DEPT PAVED ROADWAY SURFAC EXISTING UTILITY LENGTH OF HIDD S' MINIMUM CLEARANCE 30" MIN. / 48" MAX. BEOGRESSIP HIDD ALLEMNIS REV: 12/10/2015



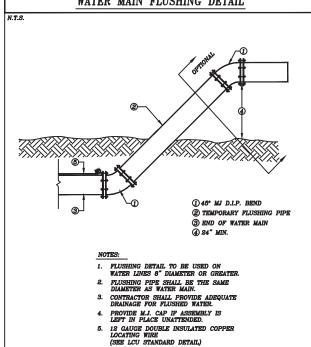




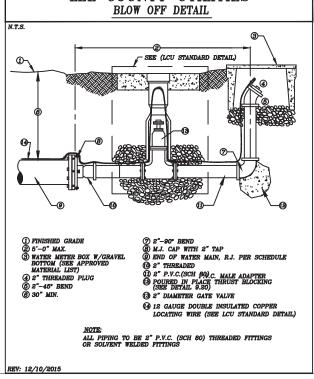
### STANDARD DETAIL NO. 6.12 LEE COUNTY UTILITIES RESTRAINED LENGTH SCHEDULE



### STANDARD DETAIL NO. 6.13 LEE COUNTY UTILITIES WATER MAIN FLUSHING DETAIL



### STANDARD DETAIL NO. 6.14 LEE COUNTY UTILITIES





### LEE COUNTY UTILITIES **ENGINEERING**

1500 MONROE STREET FORT MYERS, FLORIDA 33901

	DRAWN: DRW	JAM	
	designed: <b>JAM</b>	DATE: 02/09/20	
	HORIZ. SCALE (FULL):		

)22

TITLE:

SHEET TITLE: LCU STANDARD **DETAILS SHEET** 

> 10" WATERMAIN REPLACEMENT

PROJECT:

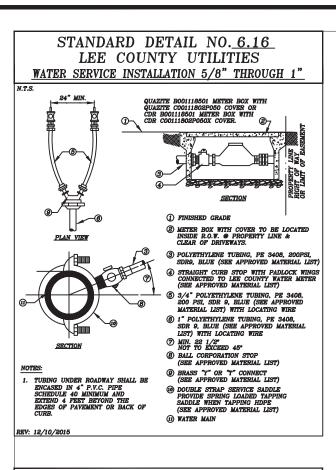
## LITTLETON ROAD

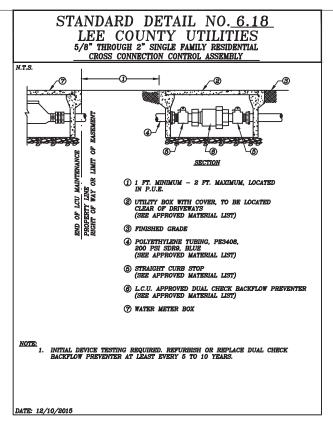
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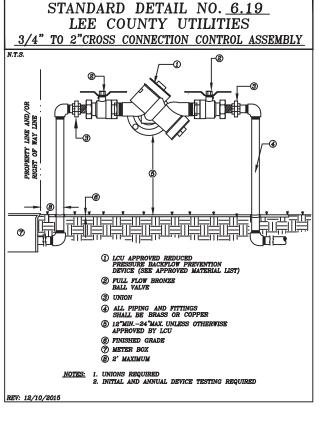
WATERMAIN REPLACEMENT

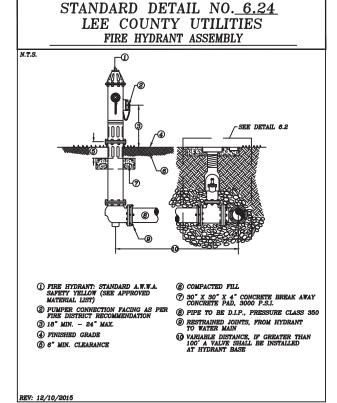
LITTLETON RD WM REL SYM-ABB-NOTES.dwg

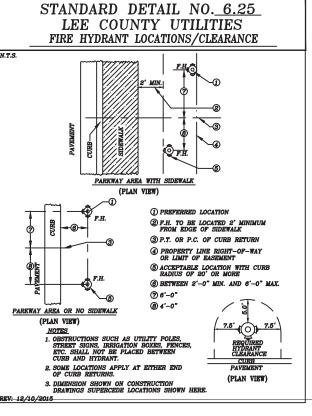
SHEET NUMBER: 18 OF 19

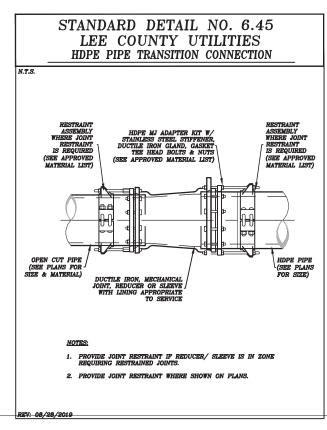


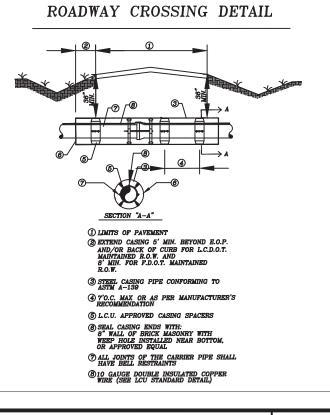














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1500 MONROE STREET FORT MYERS, FLORIDA 33901

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DRW JAM IGNED: DATE: JAM 02/09/2022 RIZ. SCALE (FULL):

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SHEET TITLE: LCU STANDARD **DETAILS SHEET** 

> 10" WATERMAIN REPLACEMENT

PROJECT:

### LITTLETON ROAD WATERMAIN REPLACEMENT

PROJECT NO .: LITTLETON RD WM REL SYM-ABB-NOTES.dwg

SHEET NUMBER:

19 OF 19