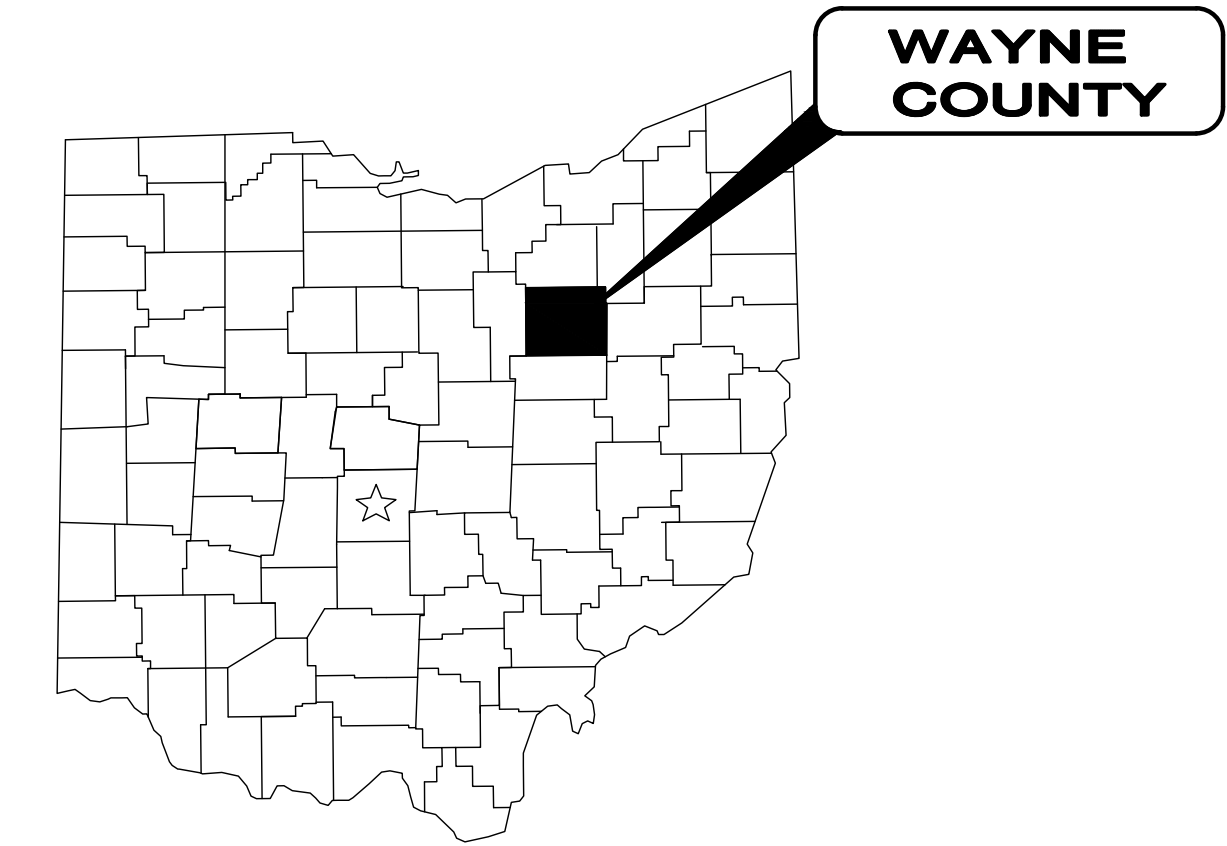


VILLAGE OF SMITHVILLE SANITARY SEWER LINING - PHASE 4 OPWC FUNDED PROJECT WAYNE COUNTY, OHIO

MAY 2026



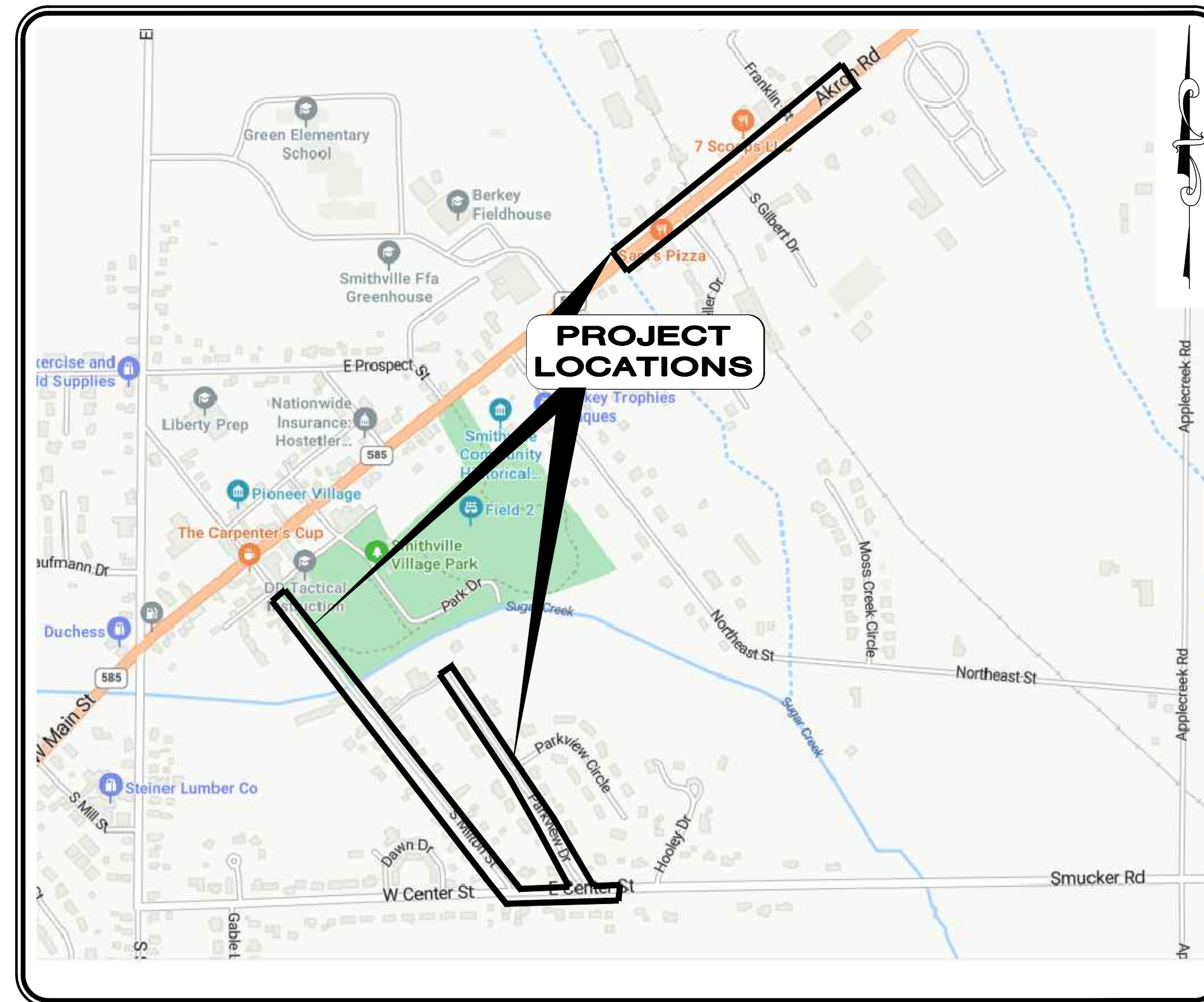
SMITHVILLE COUNCIL

TOM POULSON
TRICIA MULLINS
ADRIENNE KARLEN
PATRICK FINN
LARRY ALLEN
SCOTT THORN
MATT HAAS
JOSEPH REED
NATE DUENKE

MAYOR
PRESIDENT
VETERANS MEMORIAL
STREETS & SIDEWALKS
FIRE DEPARTMENT
EQUIPMENT
PARKS/TREES
FINANCE AND PERSONNEL
EQUIPMENT

SMITHVILLE BOARD OF PUBLIC AFFAIRS

LYNN MOOMAW- PRESIDENT
KYLE KROWNAPPLE
RYAN IMHOFF



LOCATION MAP
NOT TO SCALE

OWNER:

VILLAGE OF SMITHVILLE
VILLAGE HALL, 207 WEST MAIN STREET
SMITHVILLE, OH 44677
(330) 438-6569 PHONE
(330) 489-3073 FAX

VILLAGE OF SMITHVILLE OFFICIALS

MAYOR: TOM POULSON
FISCAL OFFICER: PAMELA KEENER
VILLAGE ENGINEER: ALAN FRYGIER, P.E.

ENGINEER:

VERDANTAS
3875 EMBASSY PARKWAY
SUITE 200
AKRON, OH 44333
(330) 375-0800 PHONE
(330) 665-0620 FAX

PROJECT LOCATION:

PROJECT LOCATION IS ON SECTIONS OF
W. AND E. CENTER ST., S MILTON ST., E
MAIN ST., SUGAR CREEK, AND PARKVIEW
DR. THE PROJECT WILL CONSIST OF 8",
10" & 12" CURED-IN-PLACE LINING OF
SANITARY SEWERS, POINT REPAIRS, AND
CONNECTION REINSTATEMENTS.

OUPS ONE CALL-UTILITY LIST:

NATURAL GAS DIST./TRANS.
DOMINION EAST OHIO GAS
320 SPRINGSIDE DR.
AKRON, OHIO 44333
330-664-2409
ATTN: BRYAN D. DAYTON
RELOCATION@DOMINIONENERGY.COM

AMERICAN ELECTRIC POWER
825 TECH CENTER DR.
GAHANNA, OHIO 43230
614-552-1183
ATTN: TONY PURSES
ajpurses@aep.com

CLEAR PICTURE, INC.
444 W. MILLTOWN RD.
WOOSTER, OHIO 44691
330-345-8114

SMITHVILLE WATER DEPARTMENT
4363 EBY ROAD
SMITHVILLE, OHIO 44677
PHONE: 330-669-2633

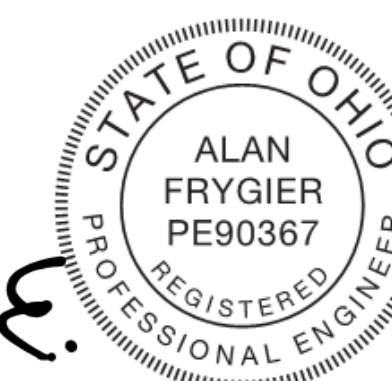
CENTURYLINK
665 LEXINGTON AVENUE
MANSFIELD, OHIO 44907
800-786-6272



ENGINEER'S
PROJECT No. 39617

Alan Frygier P.E.

ALAN E. FRYGIER, P.E.



P.E. No. 90367

5/14/2026

DATE

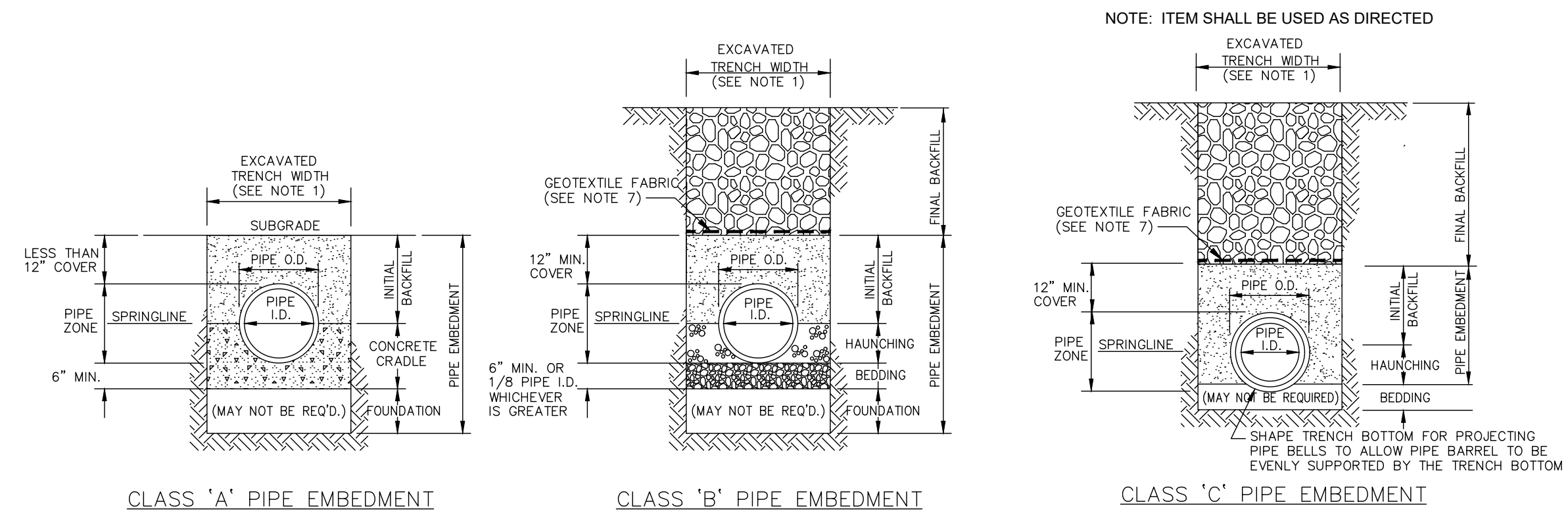
1. UNDERGROUND BUILDING SERVICE UTILITY LINES ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, MAINTAINING AND REPLACING AS NECESSARY TO ENSURE CONTINUAL SERVICE TO BUILDINGS.
2. THE CONTRACTOR IS RESPONSIBLE TO CALL OHIO UTILITIES PROTECTION SERVICE @ 1-800-362-2764, THREE WORKING DAYS PRIOR TO CONSTRUCTION.



NO	REVISION	DATE

ISSUED FOR: REVIEW SET
ISSUE DATE: 5/11/26
SCALE: AS SHOWN
DESIGNED BY: TCB
DRAWN BY: JPB
CHECKED BY: AEF

PROJECT NO.		39617
DISCIPLINE		GENERAL
SHEET NAME		G-01
SHEET	OF	
1	16	

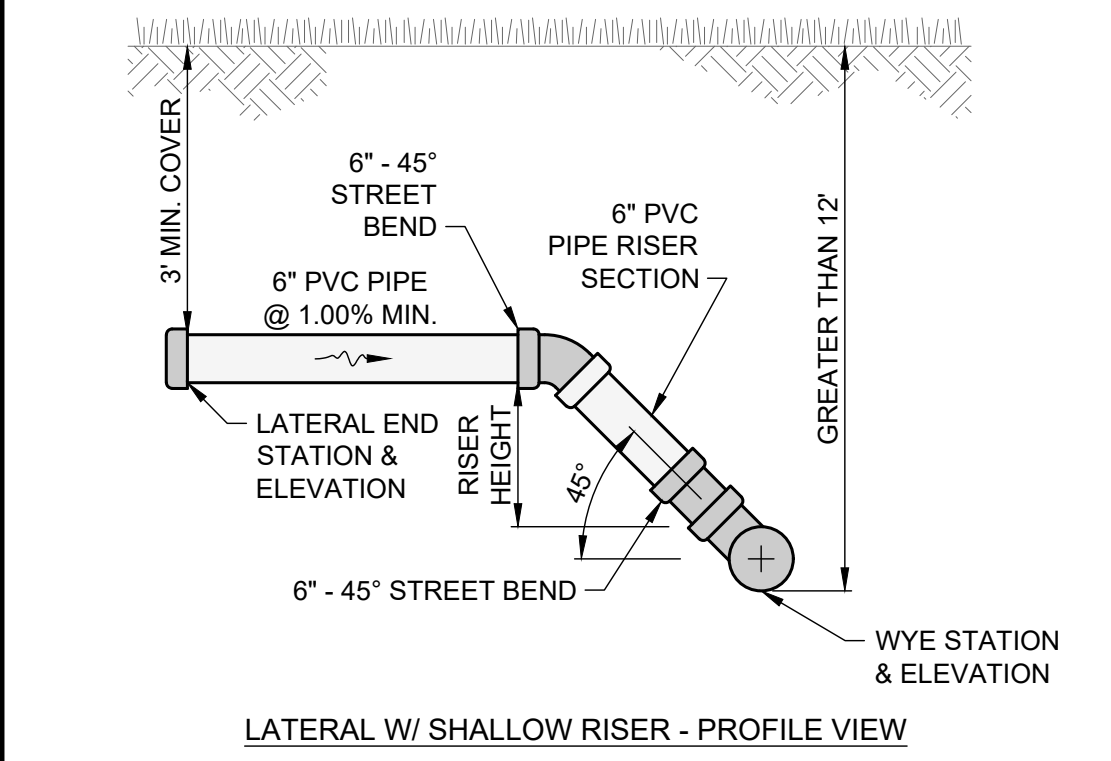
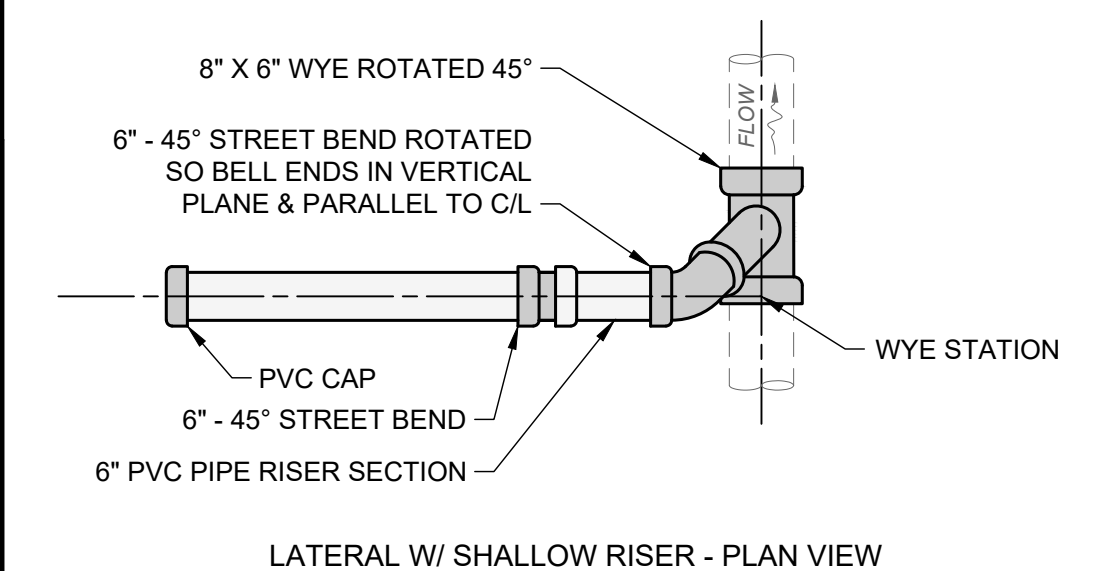
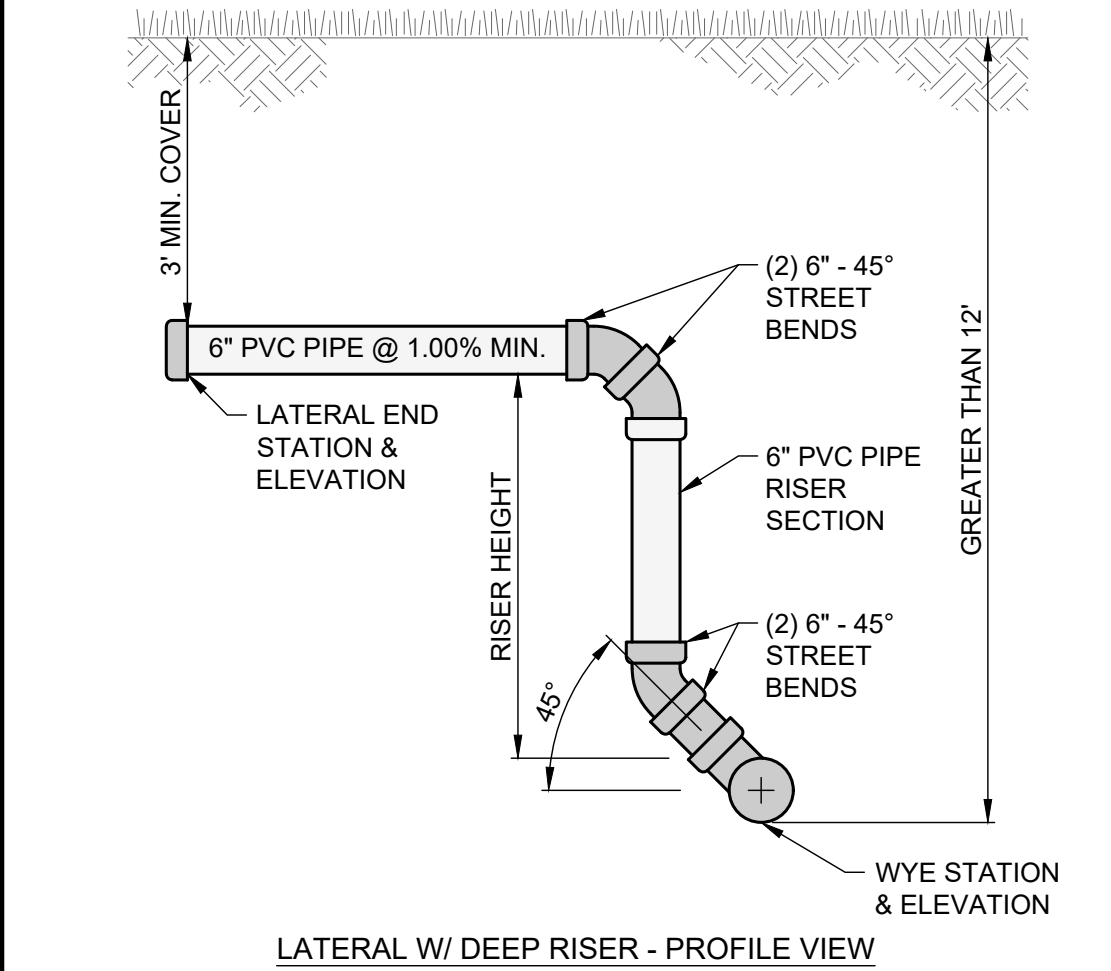
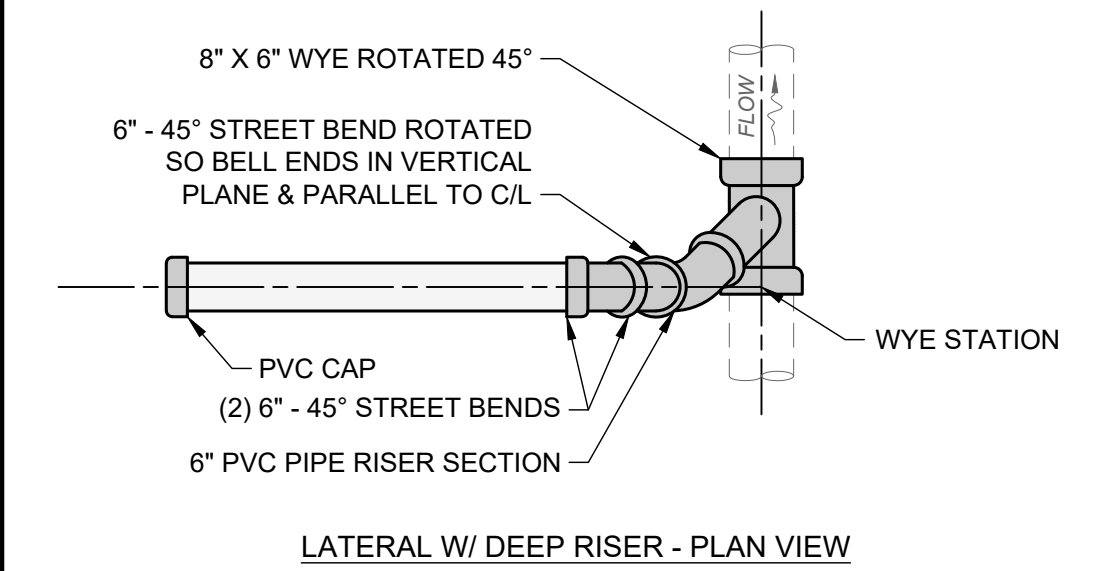


NOTES:

1. MAXIMUM EXCAVATED TRENCH WIDTH: THE MAXIMUM EXCAVATED TRENCH WIDTH FROM THE BOTTOM OF THE TRENCH TO 12" OVER THE TOP OF THE PIPE (WITHIN PIPE EMBEDMENT) SHALL BE O.D. + 24" FOR ALL PIPES UP TO AND INCLUDING 24" I.D. + 30" FOR PIPE FROM 24" I.D. TO 54" I.D. AND O.D. + 48" FOR PIPES SIZES 60" I.D. AND OVER.
2. FOUNDATION: WHERE AN UNSTABLE TRENCH BOTTOM CONDITION IS ENCOUNTERED, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH MATERIAL AS DIRECTED BY THE ENGINEER.
3. PIPE EMBEDMENT:
 CLASS A: CLASS A PIPE EMBEDMENT SHALL BE USED FOR ALL PIPING UNDER PAVEMENT OR STRUCTURES WITH LESS THAN 12 INCHES OF PIPE COVER TO THE SUBGRADE. THE CONCRETE CRADLE SHALL BE IN ACCORDANCE WITH ODOT ITEM 499, CLASS "C". THE INITIAL BACKFILL SHALL BE AASHTO NO. 57 OR NO. 67 GRANULAR PIPE EMBEDMENT.
 CLASS B: CLASS B PIPE EMBEDMENT SHALL BE USED FOR ALL PIPING UNLESS OTHERWISE NOTED ON THE PLANS OR AUTHORIZED BY THE ENGINEER. THE BEDDING AND HAUNCHING SHALL BE AASHTO NO. 57 OR NO. 67 GRANULAR PIPE EMBEDMENT. IN ALL AREAS UNDER PAVEMENT, STRUCTURES OR WITHIN THE ZONE OF INFLUENCE, THE INITIAL BACKFILL SHALL BE AASHTO NO. 57 OR NO. 67 STONE GRANULAR PIPE EMBEDMENT. IN ALL AREAS OUTSIDE OF PAVEMENT, STRUCTURES OR THE ZONE OF INFLUENCE, THE INITIAL BACKFILL SHALL BE SUITABLE ON-SITE MATERIAL APPROVED BY THE ENGINEER FOR ONLY REINFORCED CONCRETE PIPE AND DUCTILE IRON PIPE. THE INITIAL BACKFILL FOR ALL OTHER PIPES SHALL BE AASHTO NO. 57 OR NO. 67 GRANULAR PIPE EMBEDMENT.
 CLASS C: CLASS C PIPE EMBEDMENT SHALL ONLY BE USED FOR DUCTILE IRON WATER MAIN, DUCTILE IRON FORCE MAINS OR AS AUTHORIZED BY THE ENGINEER. THE PIPE EMBEDMENT SHALL BE AASHTO NO. 57 OR NO. 67 GRANULAR PIPE EMBEDMENT IN ALL AREAS UNDER PAVEMENT, STRUCTURES OR WITHIN THE ZONE OF INFLUENCE. THE PIPE EMBEDMENT SHALL BE SUITABLE ON-SITE MATERIAL APPROVED BY THE ENGINEER IN ALL AREAS OUTSIDE OF PAVEMENT, STRUCTURES OR THE ZONE OF INFLUENCE. WHERE ROCK OR SHALE IS ENCOUNTERED, A MINIMUM 6-INCHES OF AASHTO NO. 57 OR NO. 67 GRANULAR PIPE BEDDING OR SAND BEDDING SHALL BE PLACED AS DIRECTED BY THE ENGINEER.
4. FINAL BACKFILL: IN ALL AREAS UNDER PAVEMENT, STRUCTURES OR WITHIN THE ZONE OF INFLUENCE THE FINAL BACKFILL SHALL BE SPECIAL BACKFILL MATERIAL. IN ALL AREAS OUTSIDE OF PAVEMENT, STRUCTURES OR THE ZONE OF INFLUENCE, THE FINAL BACKFILL SHALL BE SUITABLE ON-SITE MATERIAL APPROVED BY THE ENGINEER.
5. SPECIFICATIONS: ALL TRENCHING, PIPE EMBEDMENT AND BACKFILL MATERIALS SHALL BE IN ACCORDANCE WITH SPECIFICATION 310000.
6. CLAY TRENCH DAMS: CLAY TRENCH DAMS SHALL BE REQUIRED AS SHOWN ON PLANS OR WHEN AND WHERE NECESSARY AS DIRECTED BY THE ENGINEER.
7. GEOTEXTILE FABRIC: INSTALL A GEOTEXTILE FABRIC IN ACCORDANCE WITH ODOT 712.09, TYPE A, AFTER ALL INITIAL BACKFILL CONSISTING OF AASHTO NO. 57 OR NO. 67 GRANULAR PIPE EMBEDMENT.
8. DETECTOR TAPE: IF REQUIRED IN THE SPECIFICATIONS, INSTALL DETECTABLE WARNING TAPE ABOVE UTILITIES, 12" BELOW FINISHED GRADE, EXCEPT 6 INCHES BELOW SUBGRADE UNDER PAVEMENT AND SLABS.

TRENCHING, EMBEDMENT AND BACKFILL DETAIL

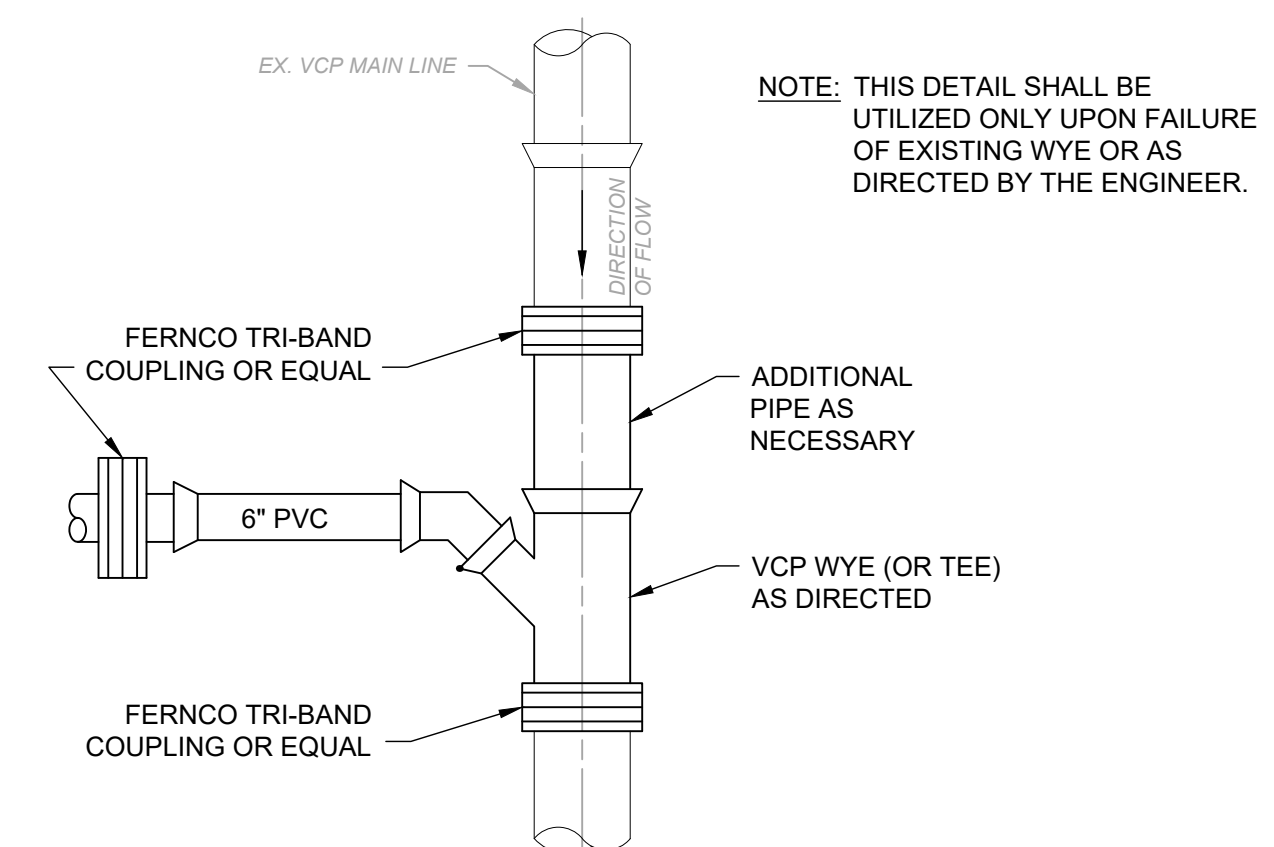
6/04 NOT TO SCALE SD-1-1
(FOR SEWER INSTALLATION)



- NOTES:**
1. THIS DETAIL SHOWS 6" LATERAL PIPE FOR REFERENCE ONLY. SEE PLANS FOR ACTUAL PIPE SIZES, MATERIALS, SLOPES, ELEVATIONS AND RISER HEIGHT.

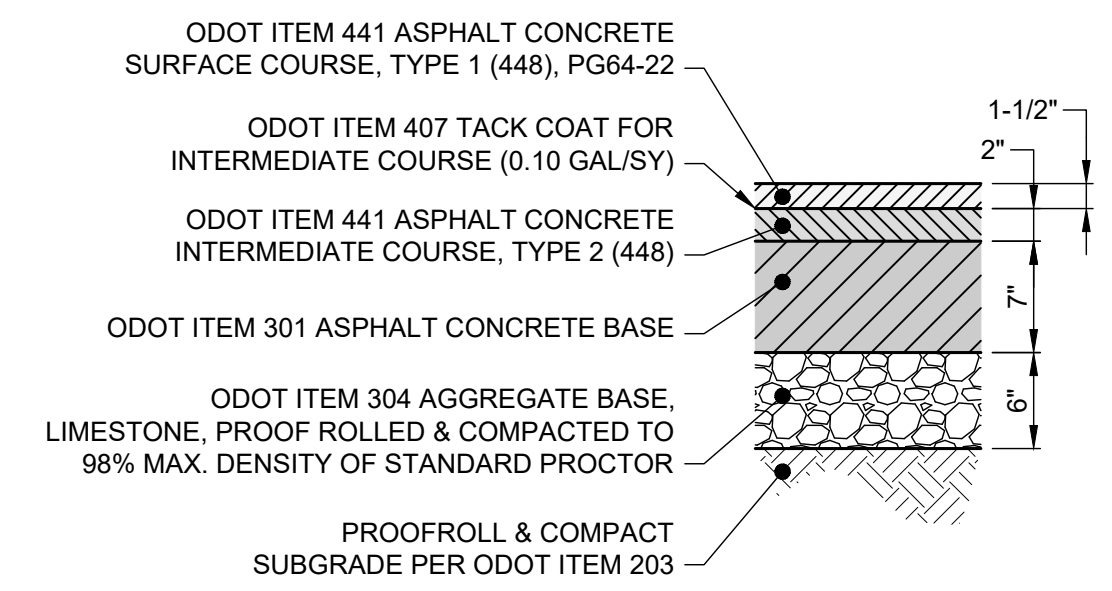
SANITARY LATERAL CONNECTION (>12') DETAIL

SCALE: NONE



WYE REPLACEMENT DETAIL

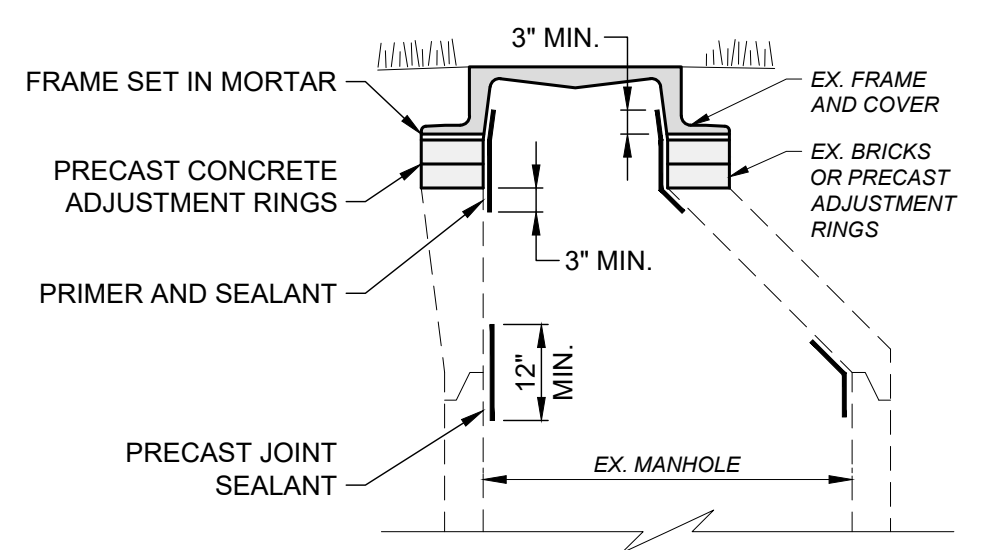
NOT TO SCALE



- NOTES:**
1. IF UNSUITABLE SOILS EXISTS, SEE SUBGRADE REPAIR DETAIL.

ASPHALT PAVEMENT REPLACEMENT DETAIL

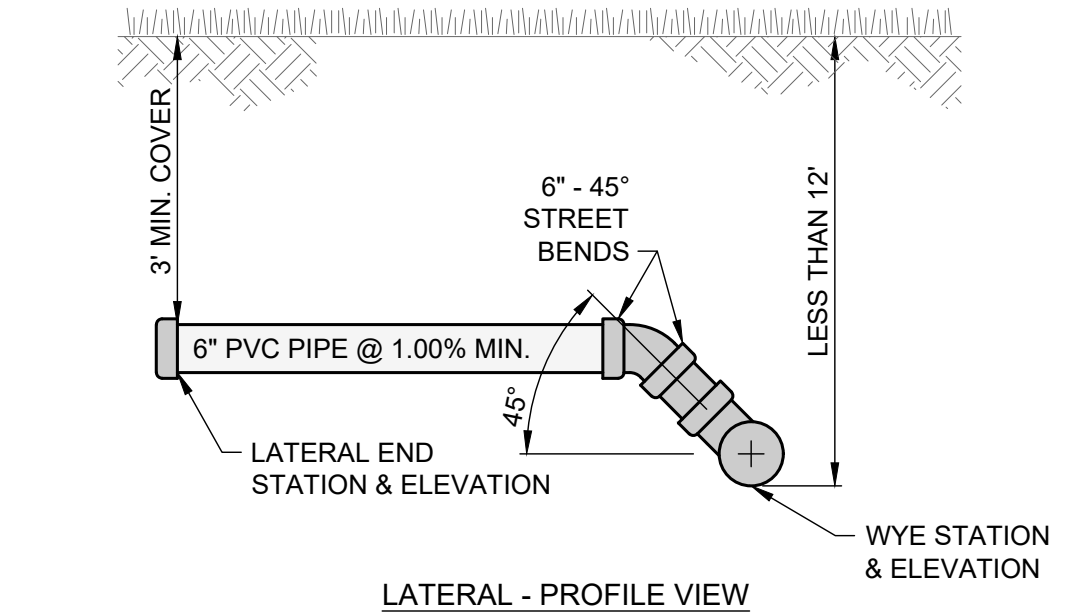
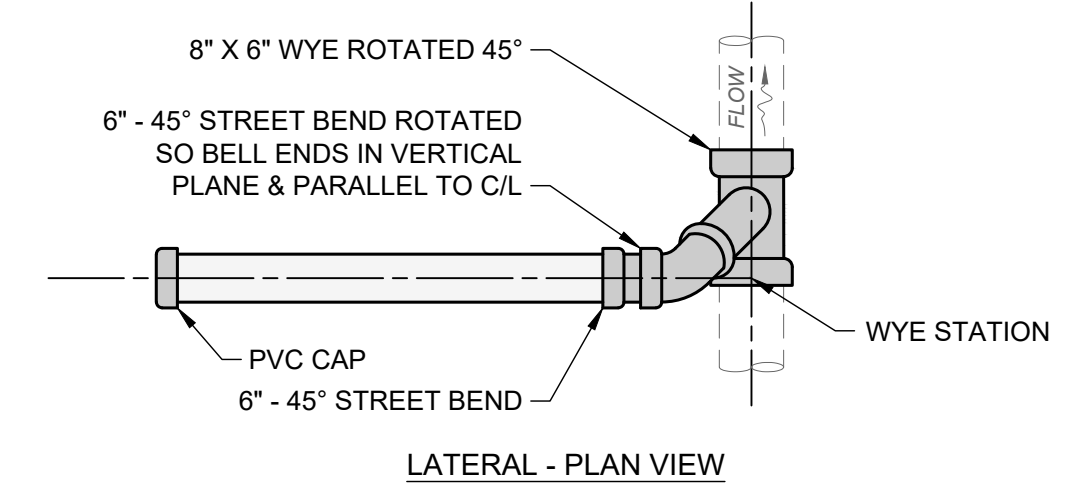
SCALE: NONE



- NOTES:**
1. REMOVE FRAME AND CASTING.
 2. CLEAN SURFACES OF FRAME, CASTING AND PRECAST MANHOLE. REMOVE RUST, DEBRIS AND LOOSE MORTAR.
 3. CLEAN SURFACES OF ADJUSTMENT RINGS OR BRICKS. REMOVE LOOSE BRICK AND MORTAR. IF EXCESSIVE BRICK DAMAGE, REPLACE WITH NEW ADJUSTMENT RINGS.
 4. STOP ALL ACTIVE INTERNAL LEAKS WITH WATER PLUG.
 5. FILL ALL VOIDS WITH CEMENTITIOUS GROUT. IF SURFACE IS ROUGH, IRREGULAR OR CONTAINS EXCESSIVE VOIDS THAT PREVENTS AN EFFECTIVE SEAL, APPLY PATCHING MIX TO PROVIDE A SMOOTH UNIFORM SURFACE. DRY INTERIOR SURFACES PER MANUFACTURER'S RECOMMENDATION.
 6. APPLY PRIMER AND SEALANT (I.E. FLEX-SEAL) TO MANHOLE ADJUSTMENT RINGS. THICKNESSES SHALL BE PER MANUFACTURER'S RECOMMENDATION. APPLY TO ENTIRE SURFACE OF ADJUSTMENT RINGS, AS WELL AS MANHOLE STRUCTURE AND CASTING AT LEAST 3" ABOVE AND BELOW ADJUSTMENT RINGS. ALLOW PRIMER TO CURE PRIOR TO APPLYING SEALANT.

ADJUST SANITARY MANHOLE CASTING & REHABILITATE ADJUSTMENT RING DETAIL

SCALE: NONE



- NOTES:**
1. THIS DETAIL SHOWS 6" LATERAL PIPE FOR REFERENCE ONLY. SEE PLANS FOR ACTUAL PIPE SIZES, MATERIALS, SLOPES AND ELEVATIONS.

SANITARY LATERAL CONNECTION (<12') DETAIL

SCALE: NONE



NO.	REVISION	DATE

ISSUED FOR: REVIEW SET

ISSUE DATE: 5/11/26

SCALE: AS SHOWN

DESIGNED BY: TCB

DRAWN BY: JPB

CHECKED BY: AEF

VILLAGE OF SMITHVILLE

SANITARY SEWER LINING - PHASE 4

WAYNE COUNTY

SMITHVILLE, OHIO

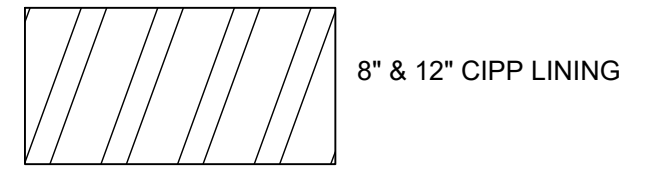
CONSTRUCTION DETAILS

PROJECT NO.	39617
DISCIPLINE	GENERAL
SHEET NAME	G-03
SHEET	OF
3	16



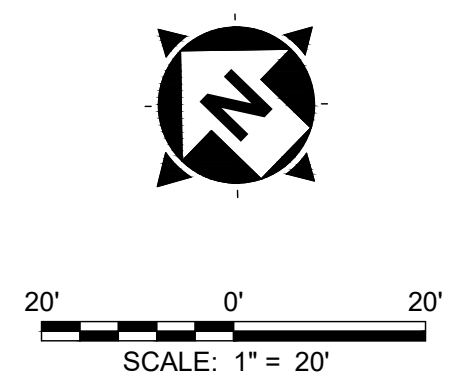
**PLAN VIEW
STA 0+00 TO STA 5+00**

LEGEND:



CODED NOTES:

- 0 100 FT OF 12" CIPP LINING
- 1 500 FT OF 8" CIPP LINING



NO	REVISION	DATE

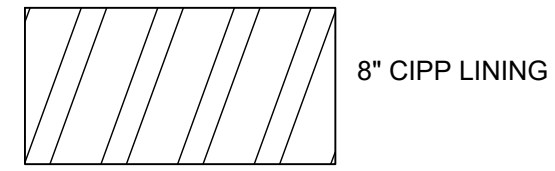
VILLAGE OF SMITHVILLE
SMITHVILLE, OHIO
WAYNE COUNTY
SANITARY SEWER LINING - PHASE 4
S. MILTON ST. STA 0+00 - 5+00

PROJECT NO.	39617
DISCIPLINE	CIVIL
SHEET NAME	C-01
SHEET	OF
4	16



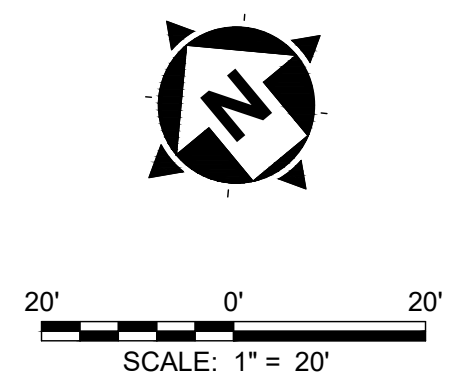
**PLAN VIEW
STA 5+00 TO STA 10+50**

LEGEND:



CODED NOTES:

2 550 FT OF 8" CIPP LINING



NO	REVISION	DATE

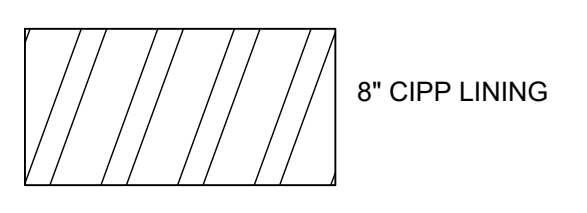
VILLAGE OF SMITHVILLE
SMITHVILLE, OHIO
WAYNE COUNTY
SANITARY SEWER LINING - PHASE 4
S. MILTON ST. STA 5+00 - 10+50

PROJECT NO.	39617
DISCIPLINE	CIVIL
SHEET NAME	C-02
SHEET	5
OF	16



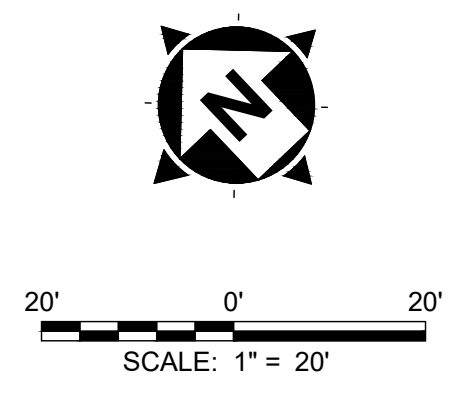
PLAN VIEW
STA 10+50 TO STA 16+00

LEGEND:



CODED NOTES:

- 3 550 FT OF 8" CIPP LINING

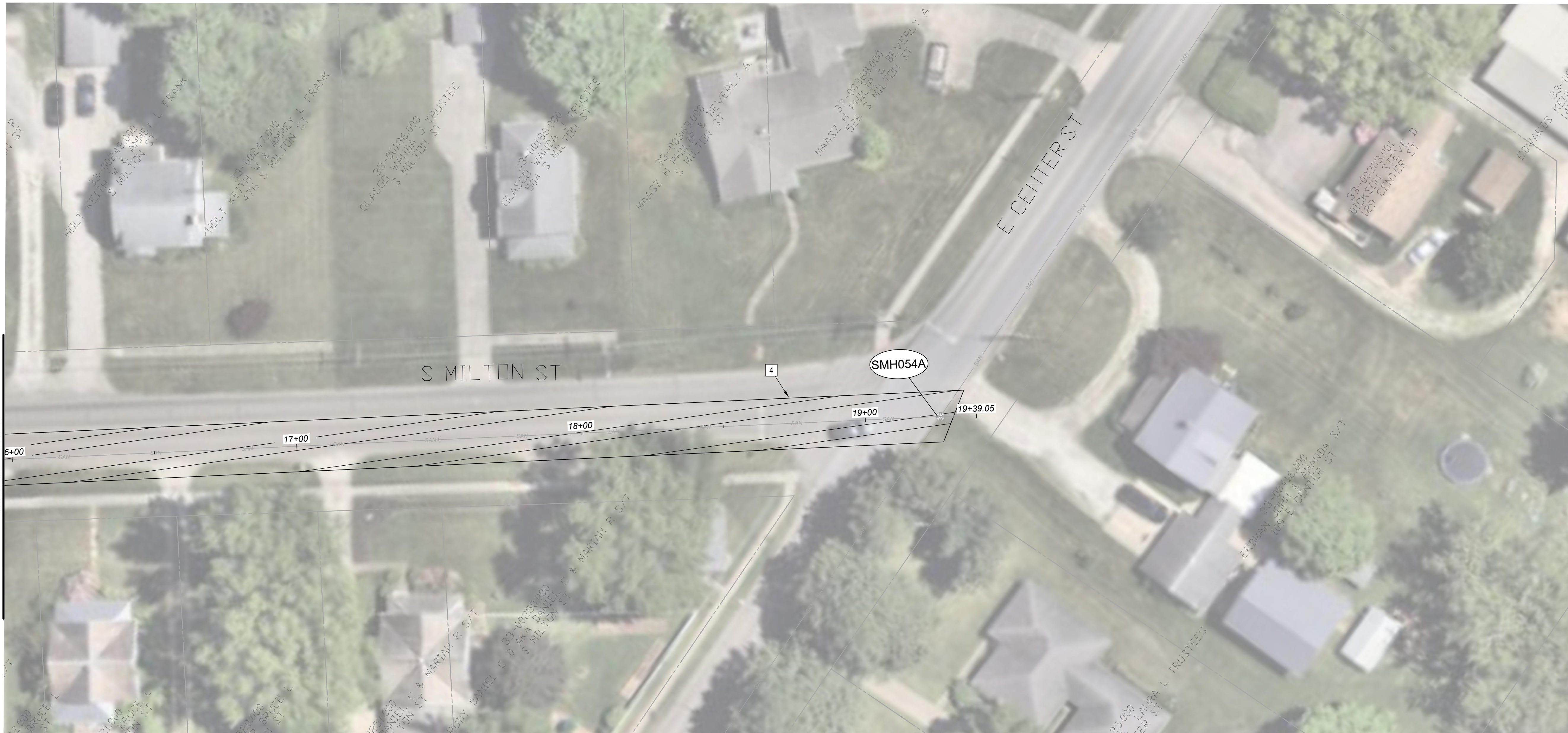


NO	REVISION	DATE

ISSUED FOR:	REVIEW SET
ISSUE DATE:	5/11/26
SCALE:	AS SHOWN
DESIGNED BY:	TCB
DRAWN BY:	JFB
CHECKED BY:	AEF

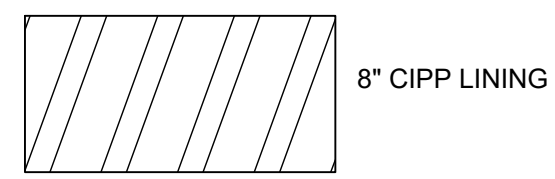
VILLAGE OF SMITHVILLE
SANITARY SEWER LINING - PHASE 4
 WAYNE COUNTY SMITHVILLE, OHIO
S. MILTON ST. STA 10+50 - 16+00

PROJECT NO.	39617
DISCIPLINE	CIVIL
SHEET NAME	C-03
SHEET	OF
6	16



MATCHLINE STA 16+00 SEE SHEET 6

LEGEND:



CODED NOTES:

4 350 FT OF 8" CIPP LINING

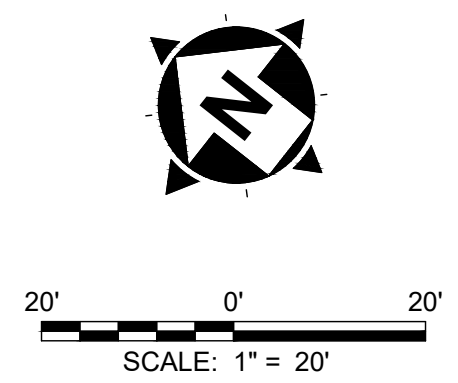
**PLAN VIEW
STA 16+00 TO END**

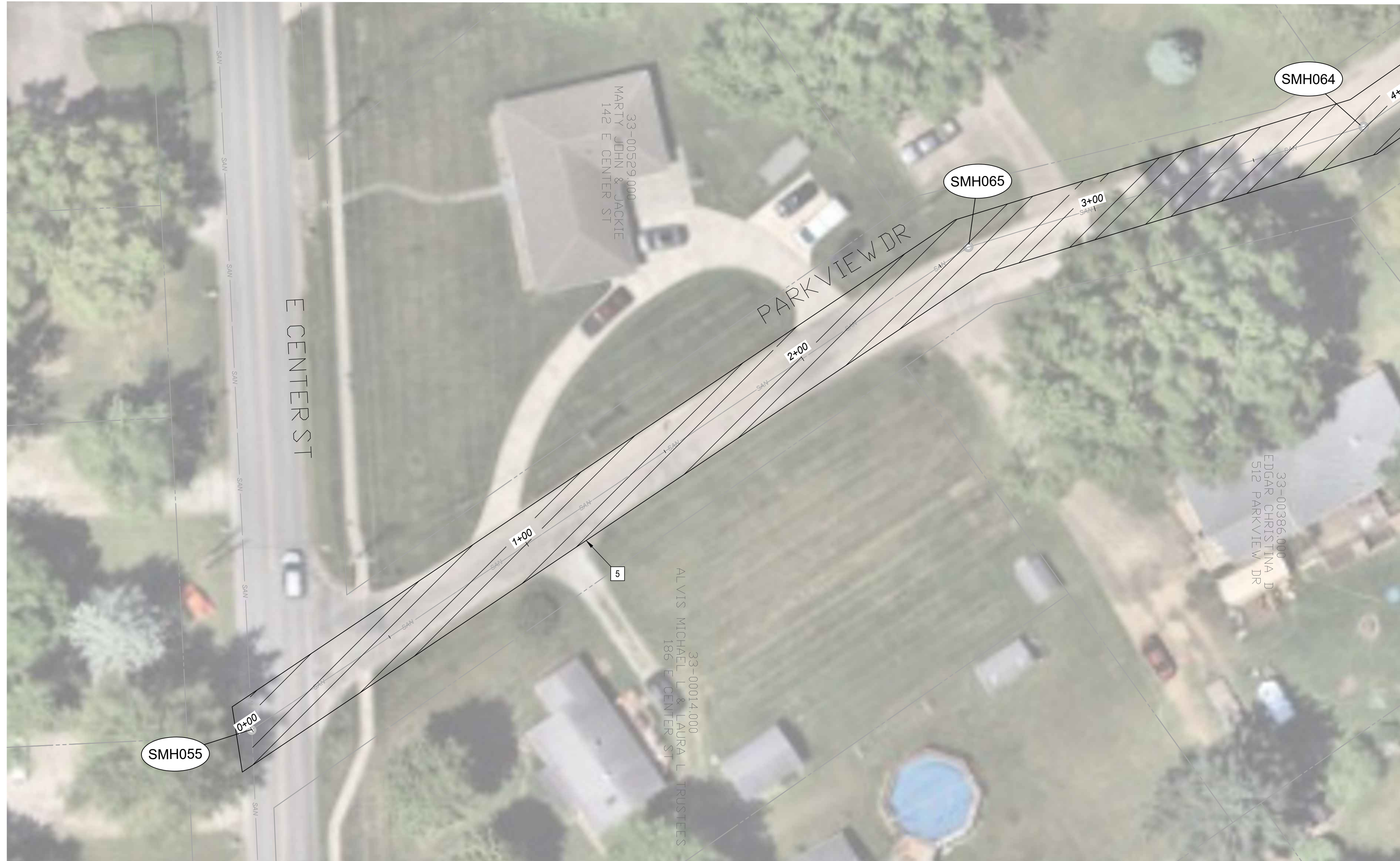


ISSUED FOR:	REVIEW SET	NO	REVISION	DATE
ISSUE DATE:	5/11/26			
SCALE:	AS SHOWN			
DESIGNED BY:	TCB			
DRAWN BY:	JFB			
CHECKED BY:	AEF			

VILLAGE OF SMITHVILLE
SMITHVILLE, OHIO
WAYNE COUNTY
SANITARY SEWER LINING - PHASE 4
S. MILTON ST. STA 16+00 - END

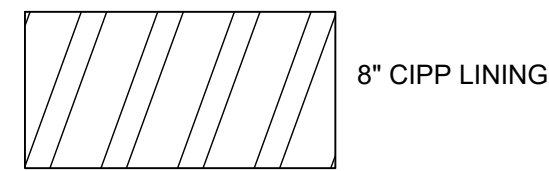
PROJECT NO.	39617
DISCIPLINE	CIVIL
SHEET NAME	C-04
SHEET	7
OF	16





SEE SHEET 9
MATCH LINE STA 4+00

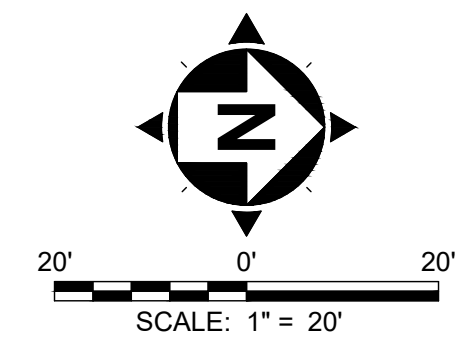
LEGEND:



CODED NOTES:

5 400 FT OF 8" CIPP LINING

PLAN VIEW
STA 0+00 TO STA 4+00



ISSUED FOR:	REVIEW SET	NO	REVISION	DATE
ISSUE DATE:	5/11/26			
SCALE:	AS SHOWN			
DESIGNED BY:	TCB			
DRAWN BY:	JPB			
CHECKED BY:	AEF			

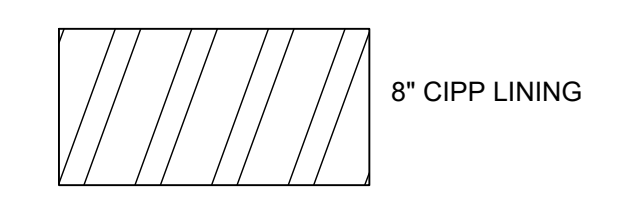
VILLAGE OF SMITHVILLE
SMITHVILLE, OHIO
WAYNE COUNTY
PARKVIEW DR. STA 0+00 - 4+00
SANITARY SEWER LINING - PHASE 4

PROJECT NO.	39617
DISCIPLINE	CIVIL
SHEET NAME	C-05
SHEET	8
OF	16



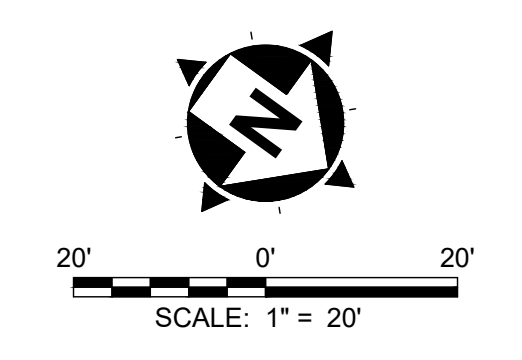
PLAN VIEW
STA 4+00 TO STA 9+00

LEGEND:



CODED NOTES:

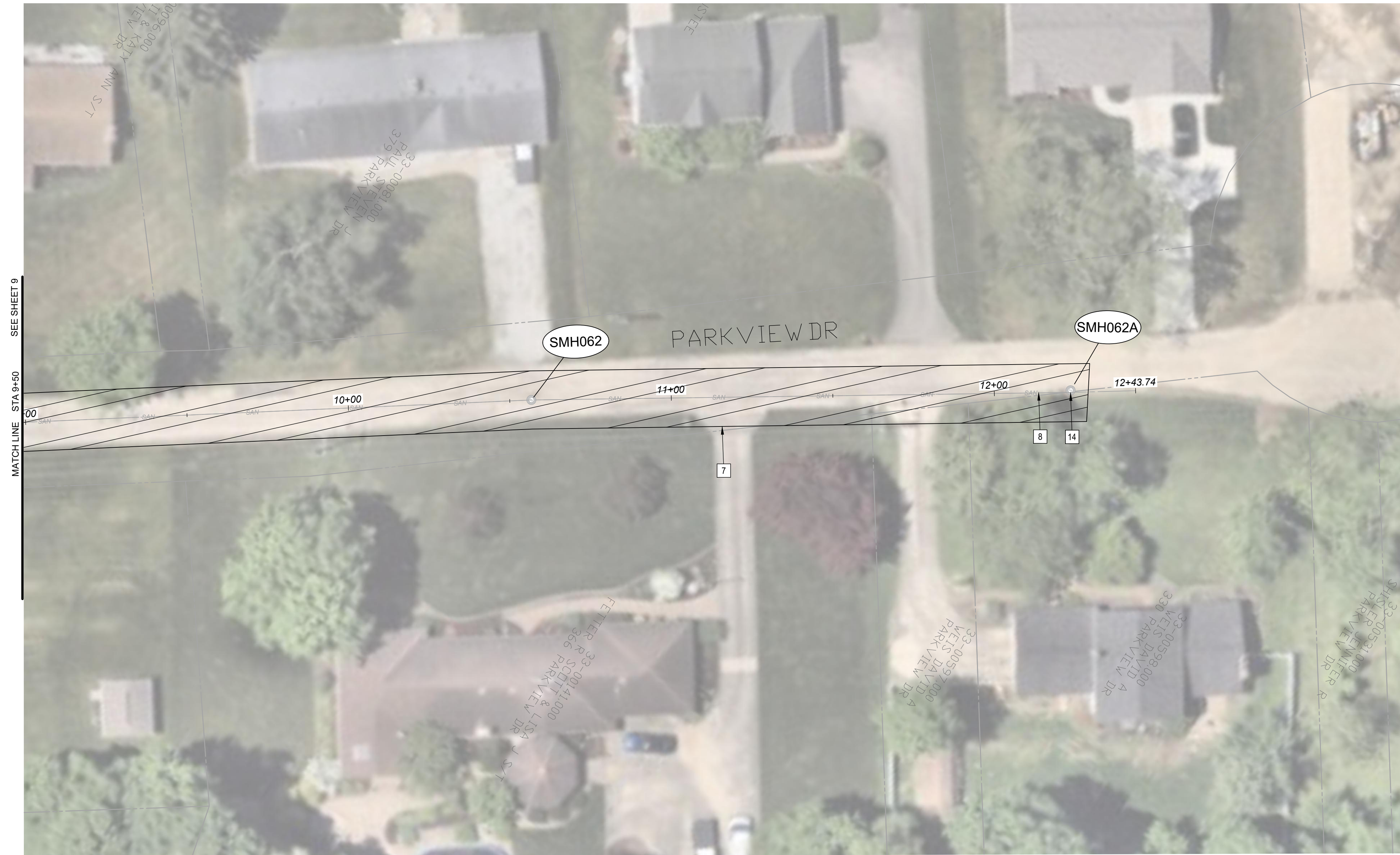
- 6 500 FT OF 8" CIPP LINING



ISSUED FOR:	REVIEW SET	NO	REVISION	DATE
ISSUE DATE:	5/11/26			
SCALE:	AS SHOWN			
DESIGNED BY:	TCB			
DRAWN BY:	JPB			
CHECKED BY:	AEF			

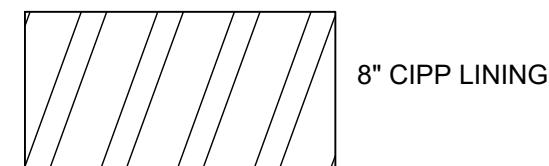
VILLAGE OF SMITHVILLE
SMITHVILLE, OHIO
WAYNE COUNTY
SANITARY SEWER LINING - PHASE 4
PARKVIEW DR. STA 4+00 - 9+00

PROJECT NO.	39617
DISCIPLINE	CIVIL
SHEET NAME	C-06
SHEET	OF
9	16



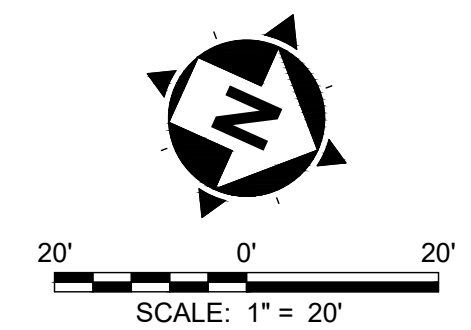
**PLAN VIEW
STA 9+00 TO END**

LEGEND:



CODED NOTES:

- 7 350 FT OF 8" CIPP LINING
- 8 PROTRUDING TAP, POINT REPAIR TO BE DONE
- 14 MANHOLE ADJUSTED TO GRADE



NO	REVISION	DATE

ISSUED FOR:	REVIEW SET
ISSUE DATE:	5/11/26
SCALE:	AS SHOWN
DESIGNED BY:	TCB
DRAWN BY:	JFB
CHECKED BY:	AEF

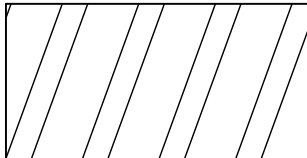
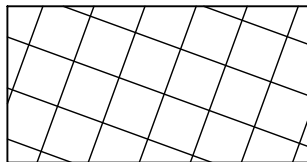
PROJECT NO.	
39617	
DISCIPLINE	
CIVIL	
SHEET NAME	
C-07	
SHEET	OF
10	16

VILLAGE OF SMITHVILLE
SMITHVILLE, OHIO
WAYNE COUNTY
PARKVIEW DR. STA 9+00 - END
SANITARY SEWER LINING - PHASE 4



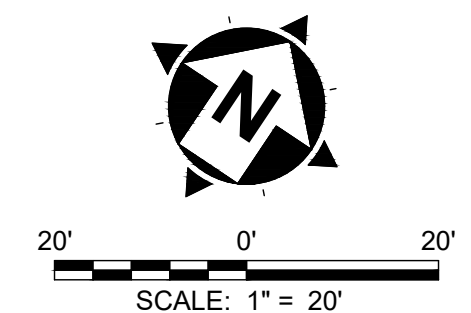
PLAN VIEW
STA 0+00 TO STA 6+00

LEGEND:

-  8" CIPP LINING
-  10" CIPP LINING

CODED NOTES:

- 9 530 FT OF 8" CIPP LINING
- 10 70 FT OF 10" CIPP LINING



NO	REVISION	DATE

VILLAGE OF SMITHVILLE
SMITHVILLE, OHIO

WAYNE COUNTY

SANITARY SEWER LINING - PHASE 4

E MAIN ST. STA 0+00 - 6+00

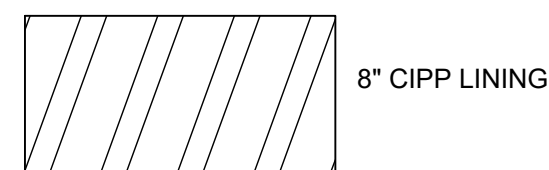
PROJECT NO.	39617
DISCIPLINE	CIVIL
SHEET NAME	C-08
SHEET	OF
11	16



MATCH LINE STA 6+00 SEE SHEET 11

MATCH LINE STA 11+00 SEE SHEET 13

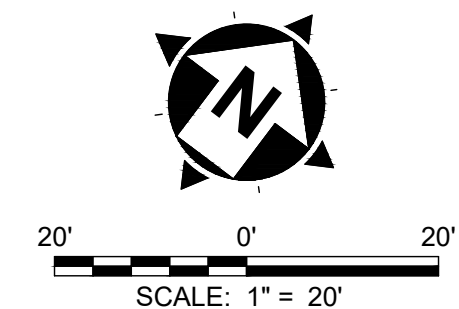
LEGEND:



**PLAN VIEW
STA 6+00 TO STA 11+00**

CODED NOTES:

11 500 FT OF 8" CIPP LINING



NO	REVISION	DATE

ISSUED FOR:	REVIEW SET
ISSUE DATE:	5/11/26
SCALE:	AS SHOWN
DESIGNED BY:	TCB
DRAWN BY:	JFB
CHECKED BY:	AET

VILLAGE OF SMITHVILLE
SMITHVILLE, OHIO
WAYNE COUNTY
SANITARY SEWER LINING - PHASE 4
E MAIN ST. STA 6+00 - 11+00

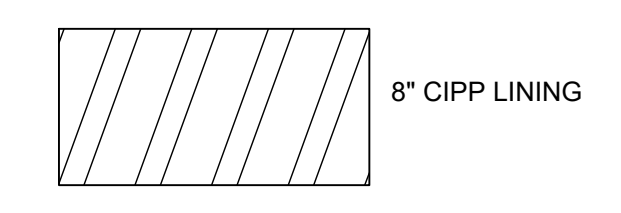
PROJECT NO.	39617
DISCIPLINE	CIVIL
SHEET NAME	C-09
SHEET	OF
12	16



MATCHLINE STA 11+00 SEE SHEET 12

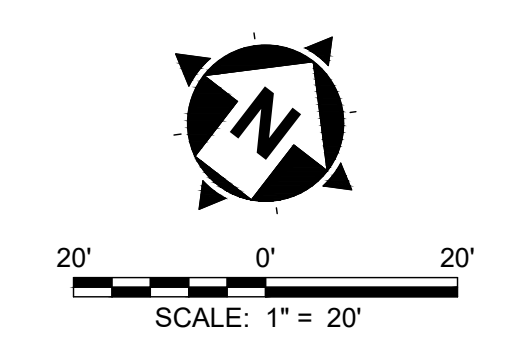
**PLAN VIEW
STA 11+00 TO END**

LEGEND:



CODED NOTES:

12 150 FT OF 8" CIPP LINING



NO	REVISION	DATE

ISSUED FOR: REVIEW SET
 ISSUE DATE: 5/11/26
 SCALE: AS SHOWN
 DESIGNED BY: TCB
 DRAWN BY: JFB
 CHECKED BY: AEF

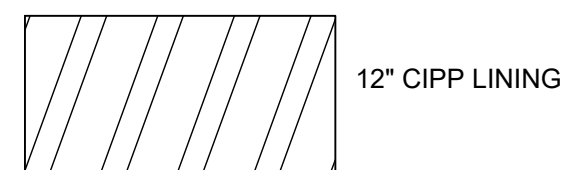
VILLAGE OF SMITHVILLE
SANITARY SEWER LINING - PHASE 4
 WAYNE COUNTY SMITHVILLE, OHIO
E MAIN ST. STA 11+00 - END

PROJECT NO.	39617
DISCIPLINE	CIVIL
SHEET NAME	C-10
SHEET	OF
13	16



SEE SHEET 4
MATCHLINE STA 1+00

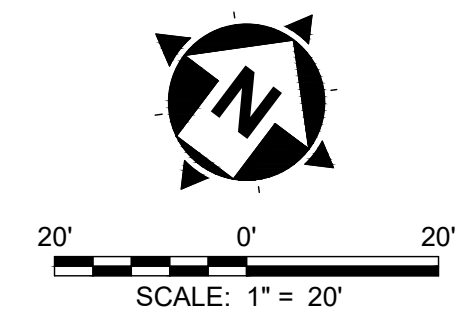
LEGEND:



CODED NOTES:

13 425 FT OF 12" CIPP LINING

**PLAN VIEW
STA 1+00 TO END**



ISSUED FOR:	REVIEW SET	NO	REVISION	DATE
ISSUE DATE:	5/11/26			
SCALE:	AS SHOWN			
DESIGNED BY:	TCB			
DRAWN BY:	JPB			
CHECKED BY:	AEF			

VILLAGE OF SMITHVILLE
SANITARY SEWER LINING - PHASE 4
 WAYNE COUNTY
 SMITHVILLE, OHIO
SUGAR CREEK STA 1+00 - END

PROJECT NO.	39617
DISCIPLINE	CIVIL
SHEET NAME	C-11
SHEET	OF
14	16

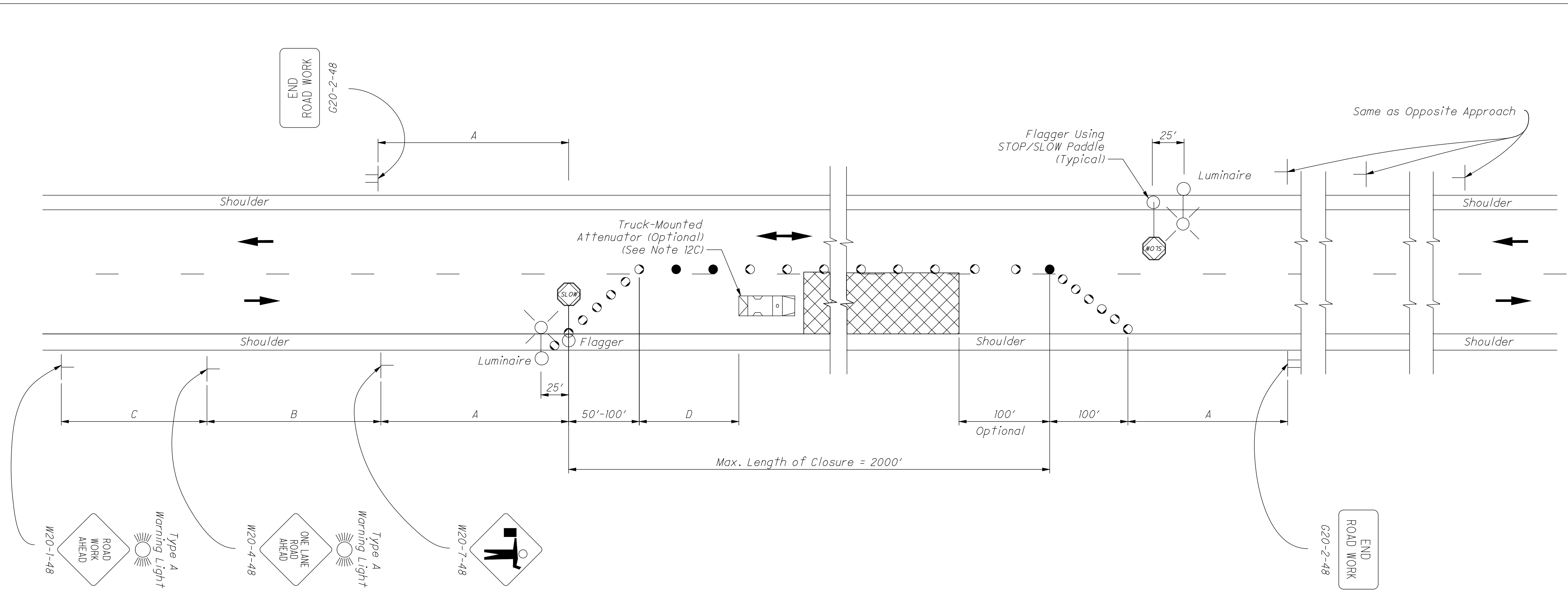
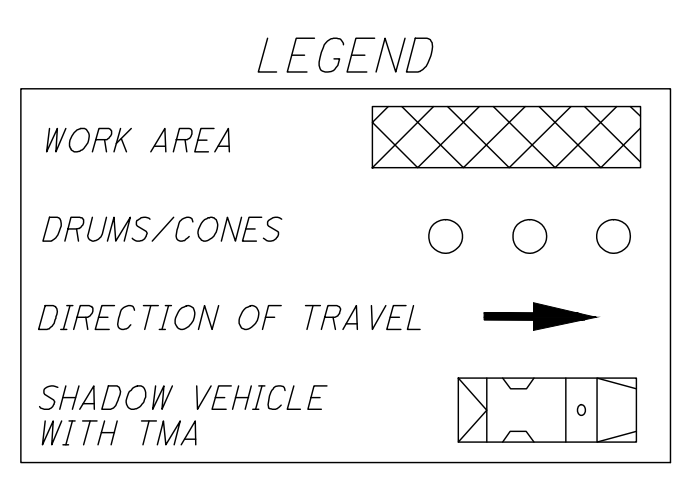


TABLE I (SIGN SPACING)

ROAD TYPE	DISTANCE BETWEEN SIGNS (FT)		
	A	B	C
Two-Lane (≤ 40 MPH)	100	100	100
Two-Lane (45-50 MPH)	350	350	350
Two-Lane (55-60 MPH)	500	500	500

TABLE II

SPEED LIMIT (MPH)	BUFFER (D) (FT) MIN.
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570



THIS DRAWING REPLACES MT-97.10 DATED 07-18-2014.

PROJECT NO. MT - 97.10	OFFICE OF ROADWAY ENGINEERING	STDS. ENGINEER Soisson	STATE OF OHIO DEPARTMENT OF TRANSPORTATION ADMINISTRATOR David L. Holstein	REVISION DATE 04-19-2019
<p>ISSUED FOR: REVIEW SET</p> <p>ISSUE DATE: 5/11/26</p> <p>SCALE: AS SHOWN</p> <p>DESIGNED BY: TCB</p> <p>DRAWN BY: JPB</p> <p>CHECKED BY: AEF</p>				

VILLAGE OF SMITHVILLE
SANITARY SEWER LINING - PHASE 4
 WAYNE COUNTY
 SMITHVILLE, OHIO
MAINTENANCE OF TRAFFICE DETAIL

PROJECT NO. **39617**
 DISCIPLINE **GENERAL**
 SHEET NAME **G-04**
 SHEET **15** OF **16**

verdantas

NO	REVISION	DATE

