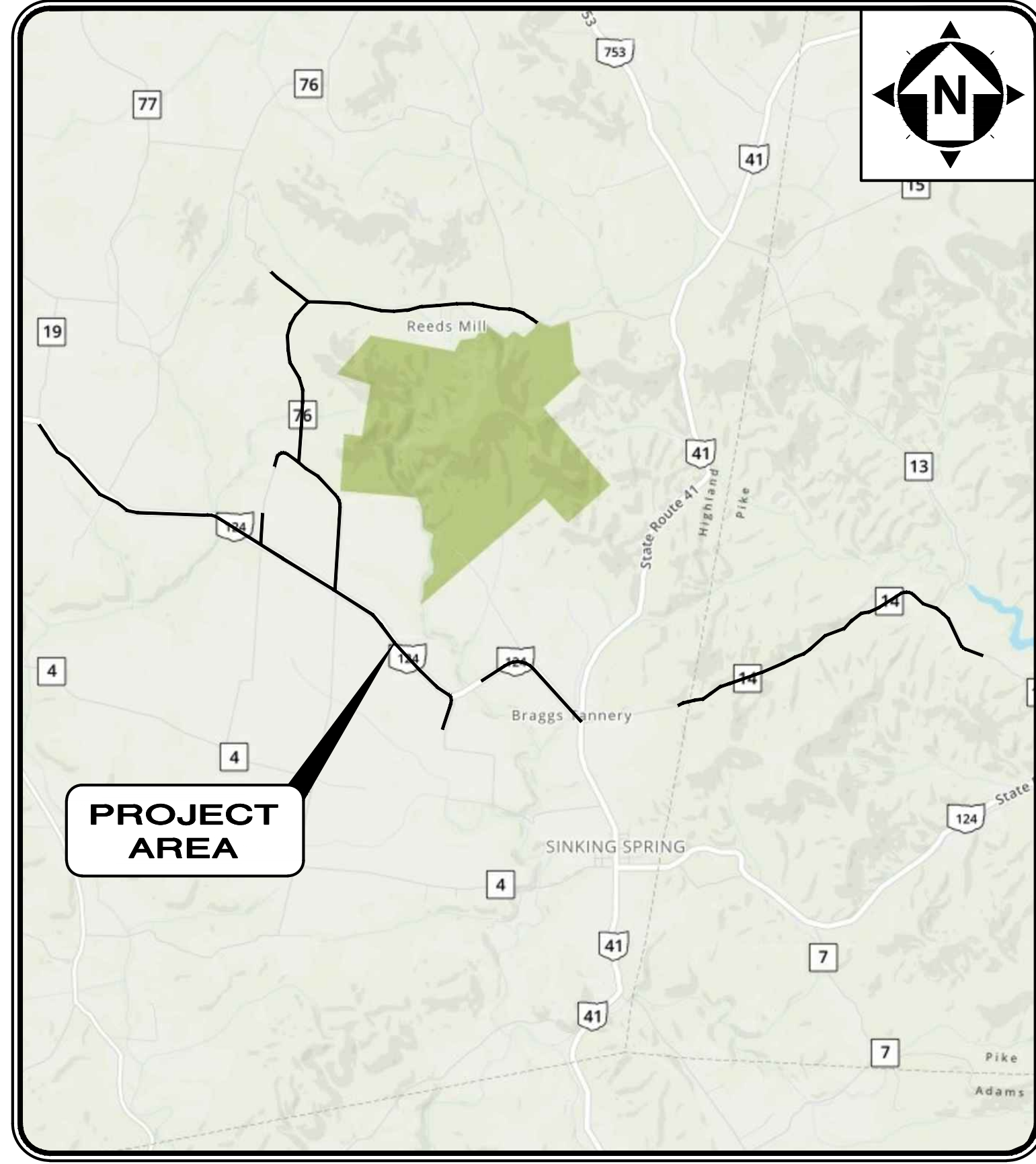
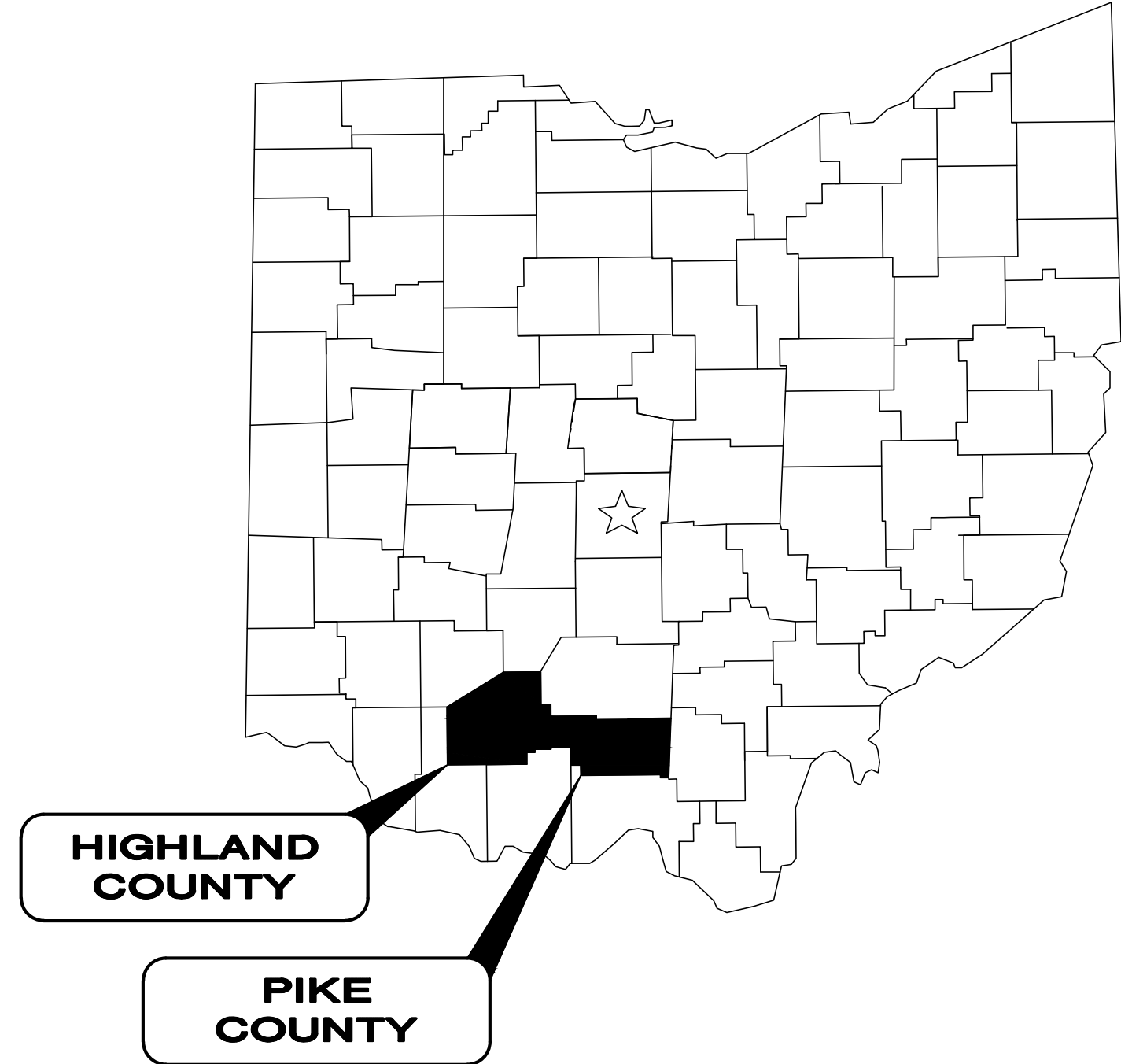


# PIKE WATER INC.

## HIGHLAND / PIKE WATERLINE EXTENSION

### HIGHLAND & PIKE COUNTY, OHIO

JANUARY, 2019



**LOCATION MAP**  
NOT TO SCALE

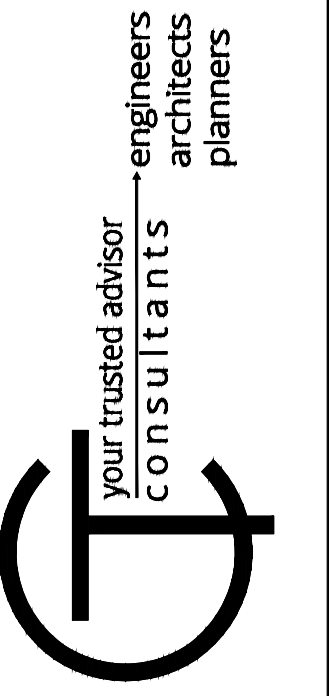
**PIKE WATER APPROVALS:**

*[Signature]* 1-11-2019  
TIM WILLIAMS, GENERAL MANAGER DATE

**ENGINEER/ARCHITECT:**

CT CONSULTANTS, INC.  
148 N. HIGH ST.  
GAHANNA, OH 43230  
  
(614) 471-7310 PHONE  
(614) 471-7320 FAX

*[Signature]* 1/17/2019  
BARBARA R. ANDERSON DATE



ISSUED FOR:	DATE	NO.	REVISION
OCEPA REVIEW	4/3/20	1	ALIGNMENT REVISIONS
ISSUE DATE:			
SCALE:			
DESIGNED BY:			
DRAWN BY:			
CHECKED BY:			

**HIGHLAND/PIKE  
WATERLINE EXTENSION  
HIGHLAND & PIKE COUNTY, OHIO**  
  
**COVER SHEET**

PROJECT NO.	180735
DISCIPLINE	GENERAL
SHEET NAME	00G-01
SHEET	OF
1	25



**NOTE:**  
THE SURVEY SHOWN ON THESE PLANS WAS OBSERVED IN THE FIELD FOR CONSTRUCTION PURPOSES ONLY AND MAY NOT BE SUITABLE FOR PROPERTY LINE SURVEYS OR ANY OTHER PURPOSE.



**ENGINEER'S PROJECT No. 180735**

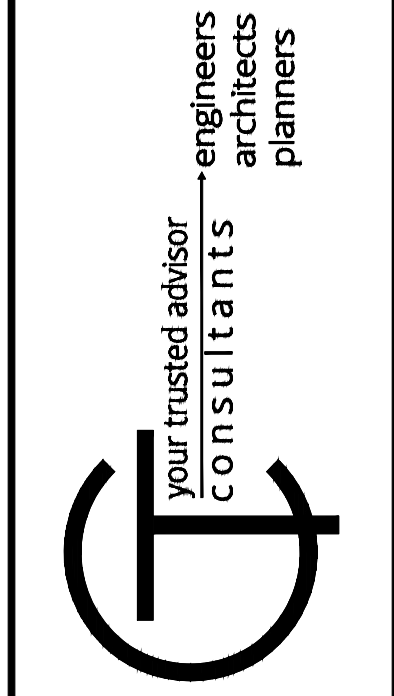






SHEET INDEX		
SHEET NUMBER	SHEET TITLE	SHEET NAME
GENERAL - 00 SERIES: GENERAL		
1	COVER SHEET	00G-01
2	GENERAL NOTES	00G-02
3	SHEET INDEX	00G-03
GENERAL - 00 SERIES: CIVIL		
4	CONSTRUCTION DETAILS - 1	00C-01
5	CONSTRUCTION DETAILS - 2	00C-02
6	CONSTRUCTION DETAILS - 3	00C-03
WATERLINE PLANS - 01 SERIES: CIVIL		
7	LINE A	01C-01
8	LINE A	01C-02
9	LINE C	01C-03
10	LINE D	01C-04
11	LINE D	01C-05
12	LINE D	01C-06
13	LINE D	01C-07
14	LINE D	01C-08
15	LINE D-1 & LINE D-2	01C-08
16	LINE D-3	01C-10
17	LINE D-3	01C-11
18	LINE D-3 & LINE D-4	01C-12
HYDRAULIC PROFILES - 02 SERIES: CIVIL		
19	LINE A	02C-01
20	LINE A & LINE C	02C-02
21	LINE D	02C-03
22	LINE D (CONT.)	02C-04
23	LINE D (CONT. 2)	02C-05
24	LINE D-1, LINE D-2 & LINE D-4	02C-06
25	LINE D-3	02C-07

- NOTES:**
1. THIS PROJECT DOES NOT INCORPORATE A LINE B.
  2. LOCATIONS SHOWN FOR EXISTING WATERLINE ARE APPROXIMATE.

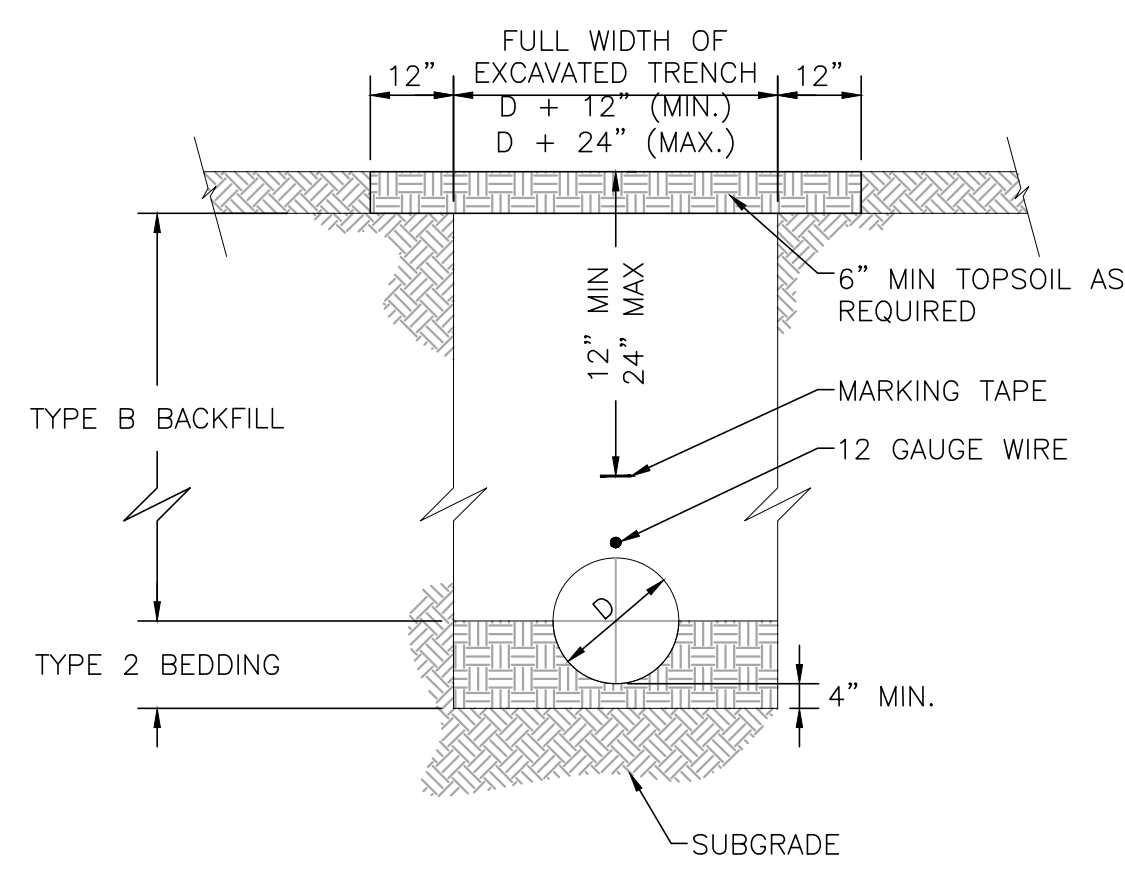


ISSUED FOR:	DATE	REVISION	NO	DESCRIPTION
DEPA REVIEW	1/18/19		1	ALIGNMENT REVISIONS
ISSUE DATE:	4/3/20			
SCALE:	NOT TO SCALE			
DESIGNED BY:	BRA			
DRAWN BY:	AGD			
CHECKED BY:	BRA			

**HIGHLAND/PIKE  
WATERLINE EXTENSION  
HIGHLAND & PIKE COUNTY, OHIO**

**SHEET INDEX**

PROJECT NO.	180735
DISCIPLINE	GENERAL
SHEET NAME	00G-03
SHEET	OF
3	25



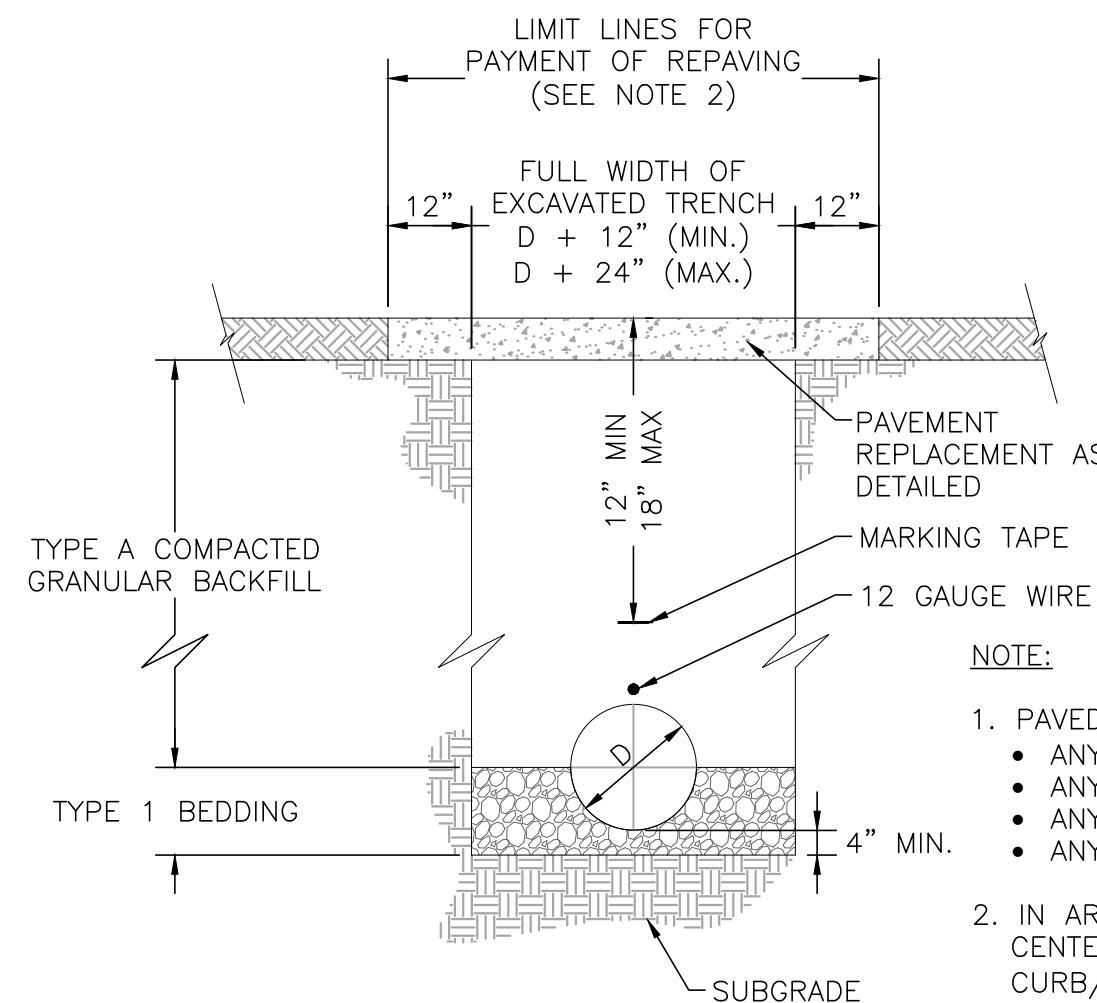
**TRENCH DETAIL FOR WATERLINE INSTALLED IN NON-PAVED AREAS**  
NOT TO SCALE

**BACKFILL:**

1. TYPE A, SHALL BE COMPACTED GRANULAR MATERIAL AS SPECIFIED IN ODOT CMS ITEM 304.
2. TYPE B SHALL BE NATURAL SOIL FREE FROM STONES LARGER THAN 2 INCHES ACROSS THEIR GREATEST DIMENSION, TOPSOIL, VEGETATION, DEBRIS, RUBBISH OR FROZEN MATERIAL.
3. TYPE C SHALL BE LOW STRENGTH MORTAR BACKFILL, TYPE 1 AS SPECIFIED IN ODOT CMS ITEM 613.

**BEDDING:**

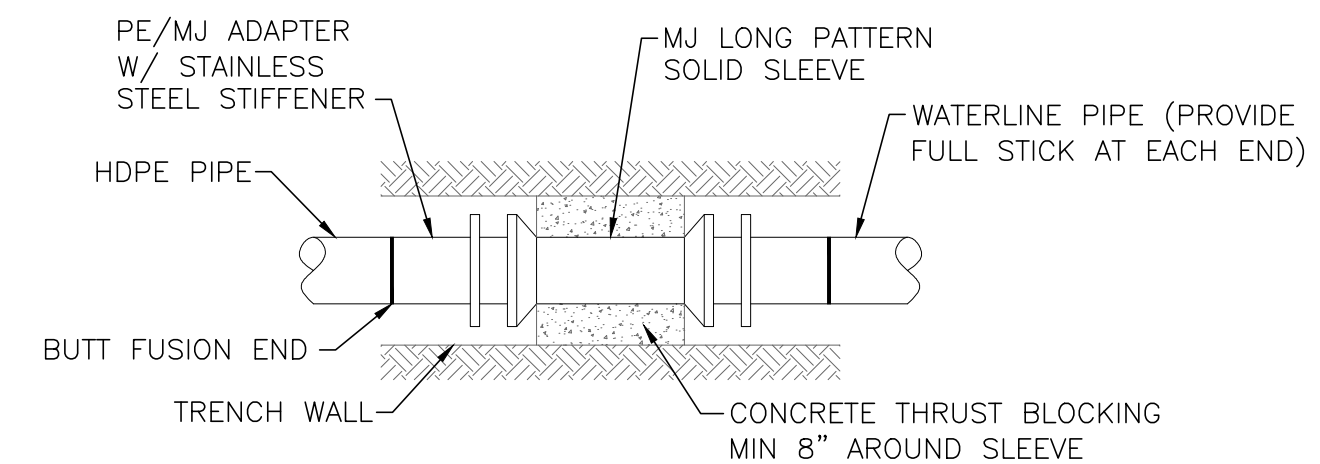
1. TYPE 1—GRANULAR MATERIAL No. 57,6,67,68 OR 7 PER ODOT CMS TABLE 703.01-1.
2. TYPE 2—NATIVE SOIL FREE FROM STONES LARGER THAN 2 INCHES ACROSS THEIR GREATEST DIMENSIONS, TOP SOIL, VEGETATION, DEBRIS OR FROZEN MATERIAL.
3. TYPE 3—CONCRETE BEDDING, CLASS QC1 CONCRETE PER ODOT CMS 499.



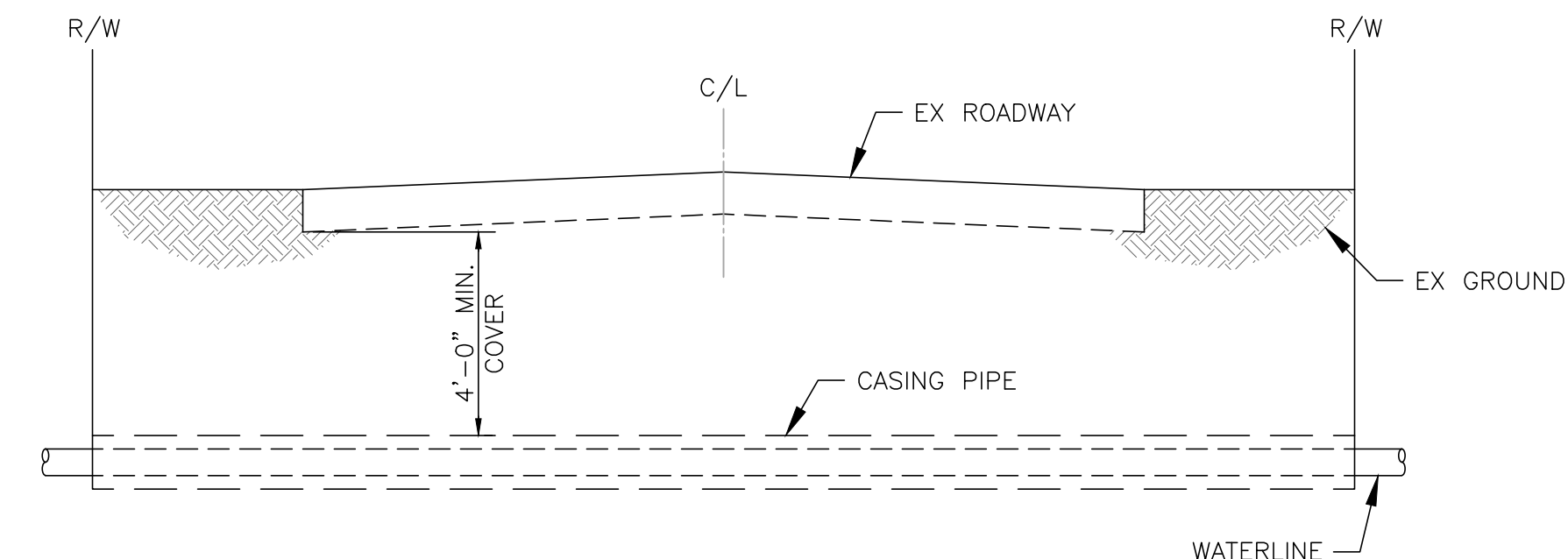
**TRENCH DETAIL FOR WATERLINE INSTALLED UNDER OR WITHIN 5' OF PAVED AREAS**  
NOT TO SCALE

**NOTE:**

1. PAVED AREAS INCLUDE:
  - ANY ROAD (ASPHALT, CONCRETE, GRAVEL)
  - ANY DRIVEWAY
  - ANY PARKING LOT
  - ANY OTHER AREA SUBJECT TO TRAFFIC
2. IN AREAS WHERE DISTANCE BETWEEN CENTERLINE OF PIPE AND FACE OF CURB/GUTTER EXCEEDS "D"+2', PAVEMENT RESTORATION QUANTITIES SHALL BE COORDINATED WITH THE ENGINEER TO ALLOW SURFACE REPAIR TO EXTEND TO THE FACE OF CURB/GUTTER.



**END CONNECTION DETAIL - HDPE**  
NOT TO SCALE

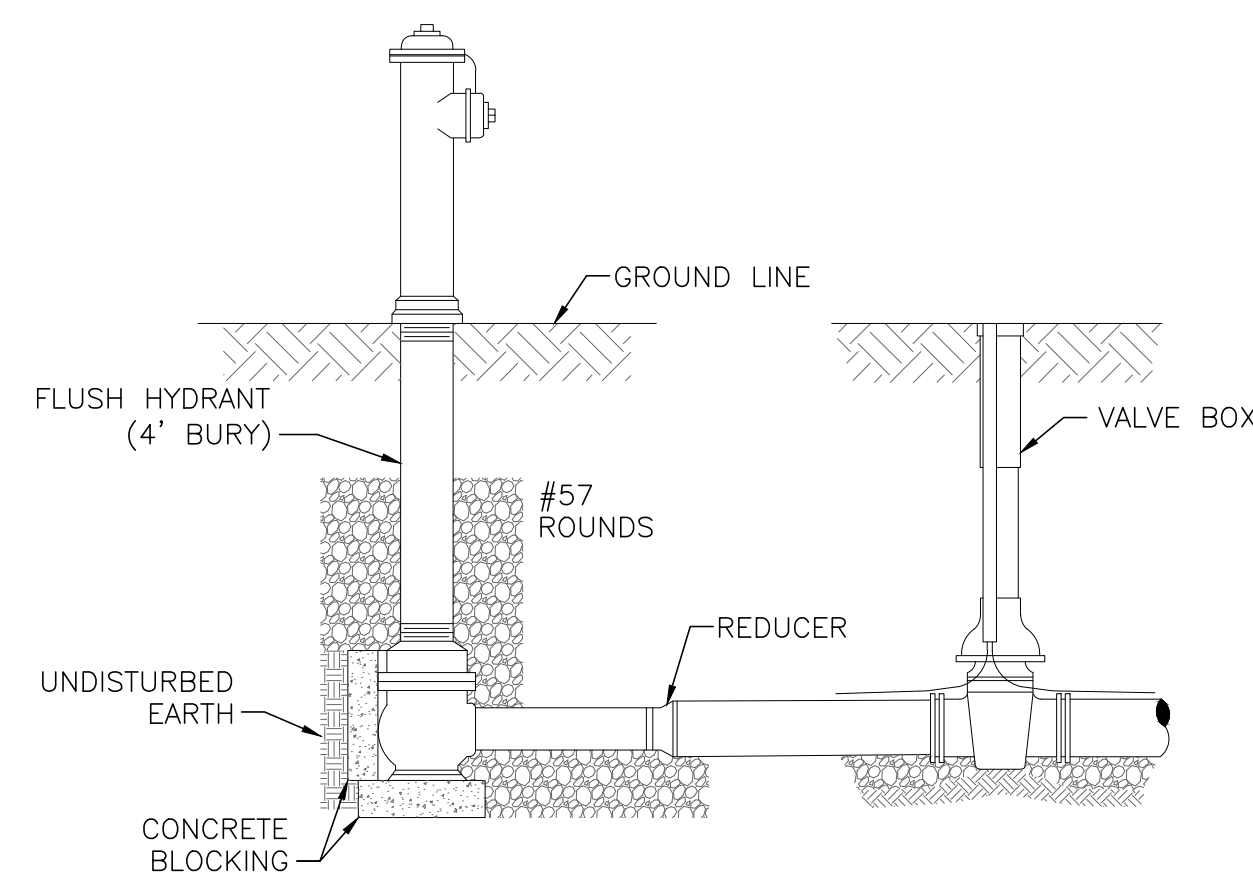


**ROADWAY CROSSING DETAIL**  
NOT TO SCALE

**NOTES:**

1. ROAD CROSSINGS SHALL BE INSTALLED WITH CASING PIPE AT ALL LOCATIONS. CONTRACTOR SHALL INCORPORATE CARRIER PIPE AND CASING PIPE MATERIALS AS OUTLINED ON DRAWINGS.
2. WATERLINE INSTALLED WITHIN & 5'-0" OF EITHER SIDE OF ROAD BORE CASING SHALL UTILIZE RESTRAINED JOINTS.
3. CASING PIPE SHALL BE STEEL PIPE IN ACCORDANCE WITH ODOT CMS ITEM 748.06 OR PVC (SDR 21)
4. CARRIER PIPE INSTALLATION SHALL INCORPORATE ONE INSULATED NO 12 GAUGE, SOLID, COPPER WIRE INSTALLED WITH THE PIPE FOR LOCATING PURPOSES. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
5. END CONNECTION DETAIL SHALL APPLY TO WATERLINE INSTALLATIONS UTILIZING HDPE CARRIER PIPE.
6. UNLESS OTHERWISE NOTED, CASING DIAMETERS STATED WITHIN THE DRAWINGS INDICATE THOSE APPLICABLE TO STEEL OR PVC CASING. CASING DIAMETERS WHEN UTILIZING HDPE CASING SHALL BE ADJUSTED TO MAINTAIN A MINIMUM 2" INTERNAL CLEARANCE WITH THE CARRIER PIPE.

CASING PIPE SCHEDULE								
CARRIER PIPE DIA	2"	3"	4"	6"	8"	10"	12"	14"
CASING PIPE DIA (STEEL/PVC)	4"	6"	8"	14"	16"	18"	20"	24"



**2" FLUSH HYDRANT**  
NOT TO SCALE

**NOTES:**

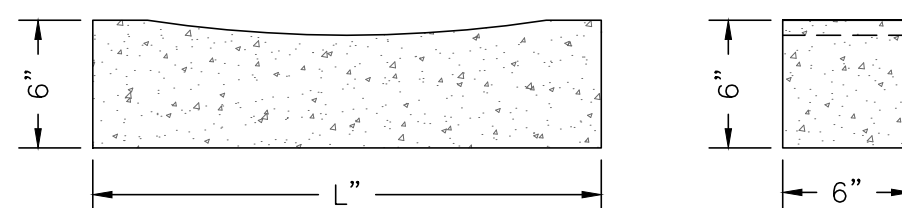
1. HYDRANTS SHALL BE SET IN 4 CUBIC FEET OF CRUSHED STONE TO ALLOW FOR PROPER DRAINAGE OF THE HYDRANT. RECOMMENDATIONS OF THE AWWA SHOULD BE FOLLOWED WHEN INSTALLING THE HYDRANT.
2. POST HYDRANTS SHALL BE ECLIPSE #2 POST HYDRANTS OR APPROVED EQUAL.
3. 2" FLUSH HYDRANTS SHALL PROVIDE JOINT RESTRAINTS BETWEEN HYDRANT AND VALVE.
4. VALVE SIZE SHALL BE SIZED AS NOTED ON DRAWINGS.
5. 2" FLUSH HYDRANTS SHALL NOT BE UTILIZED ON WATERLINES LARGER THAN 4" IN DIAMETER.

	SIZE	L	V
GATE VALVES	3"	15	0.31
	4"	16	0.33
	6"	17	0.36
	8"	20	0.42
BUTTERFLY VALVES	12"	24	0.50
	14"	28	0.58
	16"	30	0.63
	20"	36	0.75
	24"	42	0.88
	30"	48	1.00

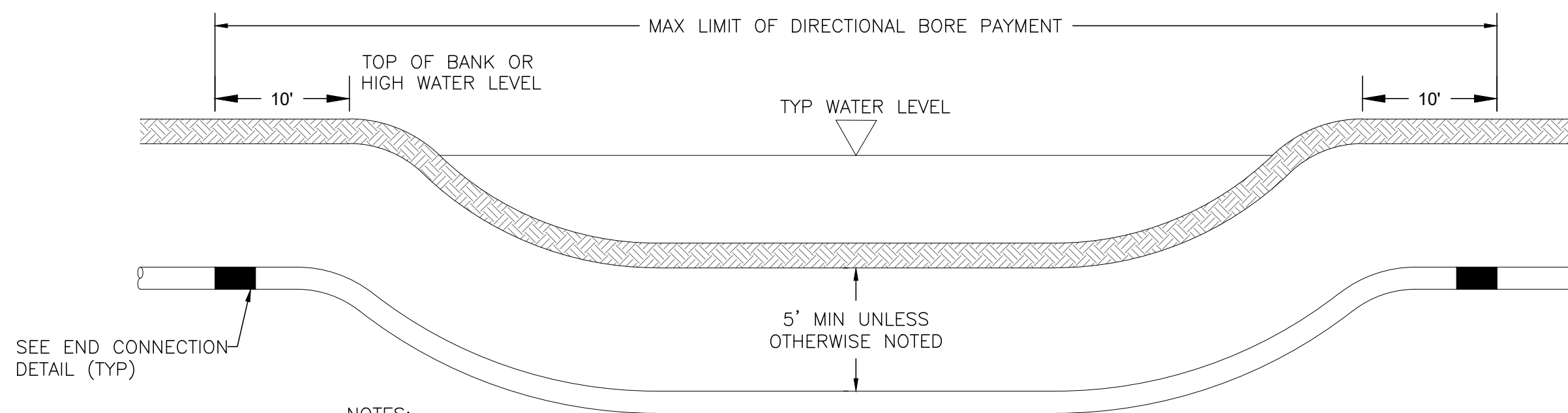
V = VOLUME OF CONCRETE IN CUBIC FEET

**NOTES:**

1. CONCRETE FOR SUPPORTS SHALL BE ODOT CLASS "QC1".
2. BACKING SHALL BE DESIGNED FOR 300 PSF SOIL BEARING.
3. CONCRETE SHALL BE PLACED AGAINST UNDISTURBED EARTH.
4. PROVIDE CLEARANCE FOR REMOVAL BOLTS.



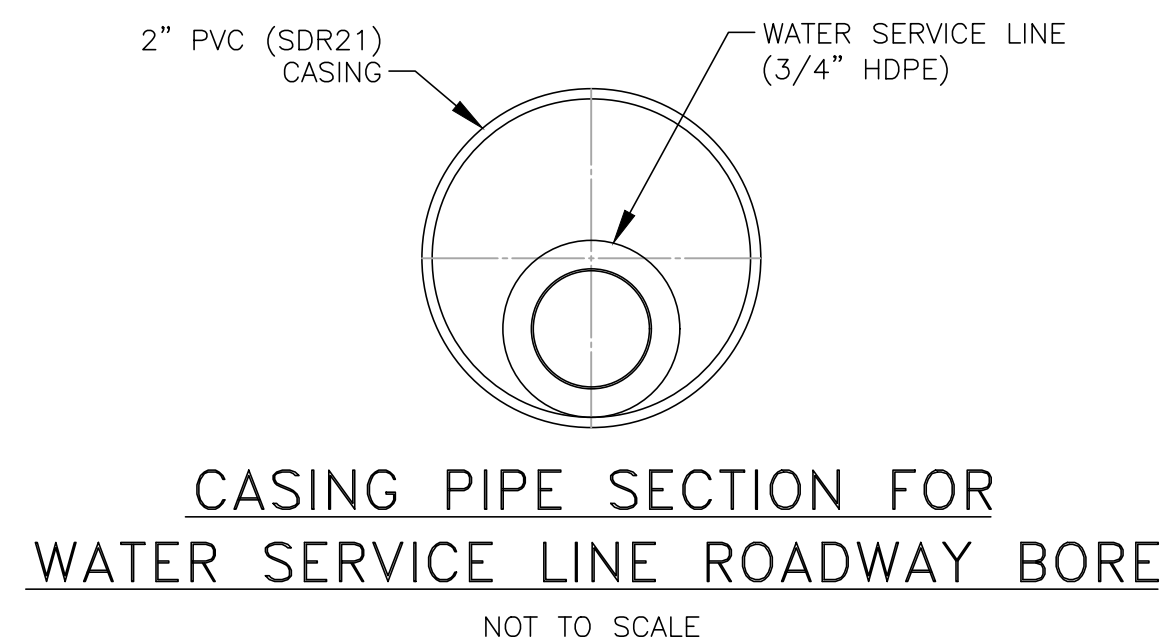
**CONCRETE VALVE SUPPORTS**  
NOT TO SCALE



**NOTES:**

1. WHERE DIRECTIONAL BORE INCORPORATES RESTRAINED JOINT PVC PIPE, OMIT PE/MJ ADAPTER.
2. DIRECTIONAL BORE SHALL INCORPORATE TWO INSULATED NO 12 GAUGE, SOLID, COPPER WIRES INSTALLED WITH THE PIPE FOR LOCATING PURPOSES. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
3. WHERE NOTED, INSTALLATION SHALL INCORPORATE A CASING PIPE AND CARRIER PIPE. THE CASING PIPE SHALL BE INSTALLED VIA DIRECTIONAL DRILL PROCEDURES AND THE CARRIER PIPE SHALL BE PULLED BACK THROUGH THE CASING PIPE.

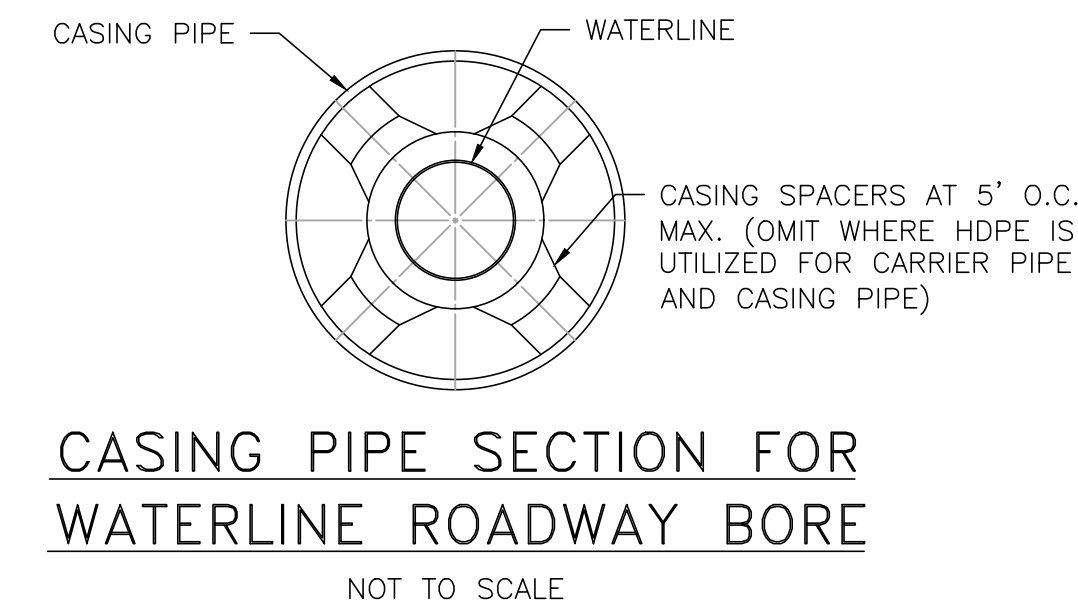
**HORIZONTAL DIRECTIONAL DRILLING @ STREAM CROSSING**  
NOT TO SCALE



**CASING PIPE SECTION FOR WATER SERVICE LINE ROADWAY BORE**  
NOT TO SCALE

**NOTES:**

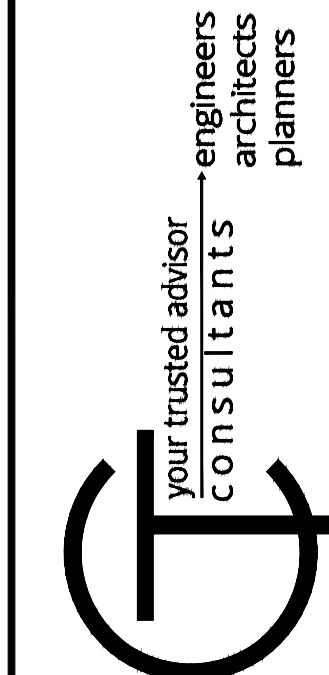
1. CASING PIPE SHALL BE INSTALLED VIA BORE & JACK METHODS.
2. TYPE K COPPER SERVICE LINE SHALL BE SUBSTITUTED FOR HDPE SERVICE LINE WHERE PRESSURE EXCEEDS 200 PSI.



**CASING PIPE SECTION FOR WATERLINE ROADWAY BORE**  
NOT TO SCALE

**NOTES:**

1. WHERE INDICATED CASING PIPE SHALL BE INSTALLED VIA DIRECTIONAL BORE METHODS.
2. CASING PIPE SHALL BE SIZED TO PROVIDE A MINIMUM 2" CLEARANCE BETWEEN INTERNAL DIAMETER AND THE CARRIER PIPE OUTSIDE DIAMETER.
3. STEEL/PVC CASING PIPE SHALL BE SIZED AS SHOWN IN CASING PIPE SCHEDULE.



DATE	REVISION	NO	ISSUED FOR:	ISSUE DATE:	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
4/3/20 <td>ALIGNMENT REVISIONS <td>1 <td>DEFA REVIEW <td>1/18/19 <td>AS SHOWN <td>BRA <td>AGD <td>BRA </td></td></td></td></td></td></td></td>	ALIGNMENT REVISIONS <td>1 <td>DEFA REVIEW <td>1/18/19 <td>AS SHOWN <td>BRA <td>AGD <td>BRA </td></td></td></td></td></td></td>	1 <td>DEFA REVIEW <td>1/18/19 <td>AS SHOWN <td>BRA <td>AGD <td>BRA </td></td></td></td></td></td>	DEFA REVIEW <td>1/18/19 <td>AS SHOWN <td>BRA <td>AGD <td>BRA </td></td></td></td></td>	1/18/19 <td>AS SHOWN <td>BRA <td>AGD <td>BRA </td></td></td></td>	AS SHOWN <td>BRA <td>AGD <td>BRA </td></td></td>	BRA <td>AGD <td>BRA </td></td>	AGD <td>BRA </td>	BRA

**HIGHLAND/PIKE WATERLINE EXTENSION**  
HIGHLAND & PIKE COUNTY, OHIO

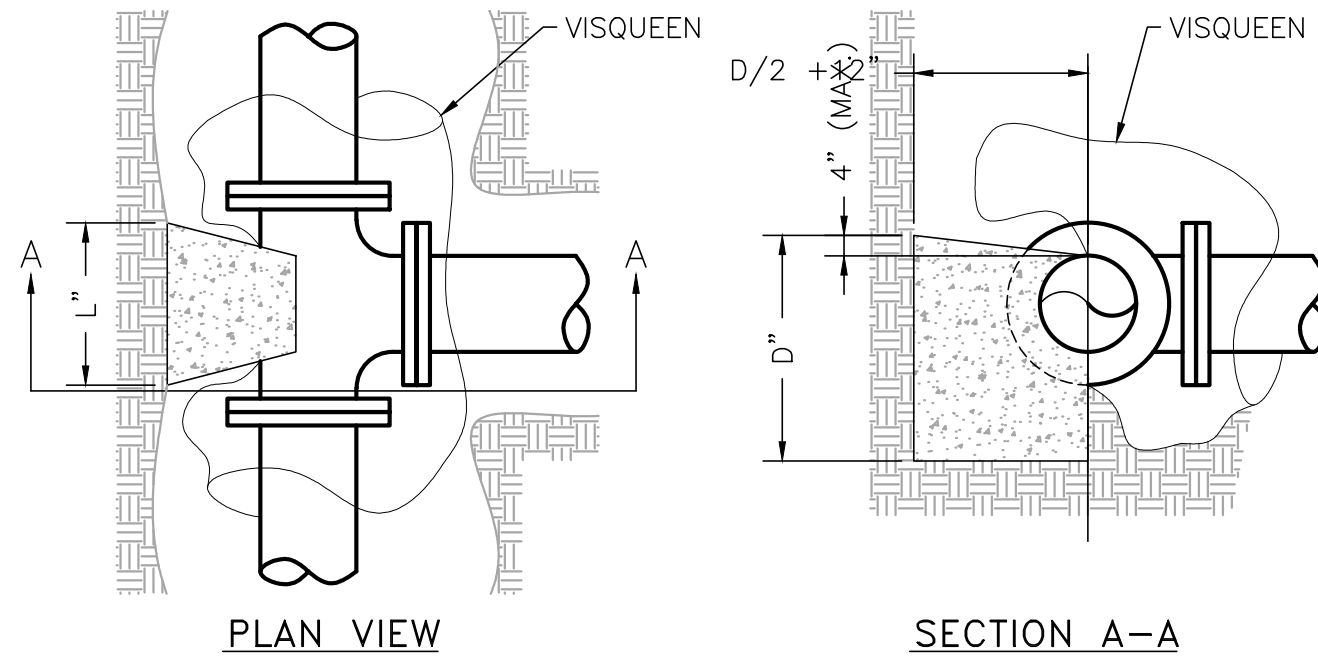
**CONSTRUCTION DETAILS - 1**

PROJECT NO.	180735
DISCIPLINE	CIVIL
SHEET NAME	00C-01
SHEET	4
OF	25



RUN	BRANCH								BRANCH							
	3"		4"		6"		8"		12"		16"		20"		24"	
	L	D	V	L	D	V	L	D	V	L	D	V	L	D	V	
3"	12	5	0.5													
4"	10	6	0.5	11	8	0.8										
6"	9	7	0.5	11	8	0.8	18	12	1.9							
8"	8	8	0.5	10	9	0.7	18	12	1.9	23	16	3.5				
12"	6	12	0.6	8	12	0.8	18	12	1.9	23	16	3.5	38	22	8.7	
16"	6	16	0.8	6	16	0.8	14	16	2.0	20	18	3.3	36	23	8.7	
20"	6	20	1.0	6	20	1.0	11	20	1.9	18	20	3.3	35	24	8.7	
24"	6	24	1.2	6	24	1.2	9	24	1.9	15	24	3.3	30	28	8.7	

V = VOLUME OF CONCRETE IN CUBIC FEET



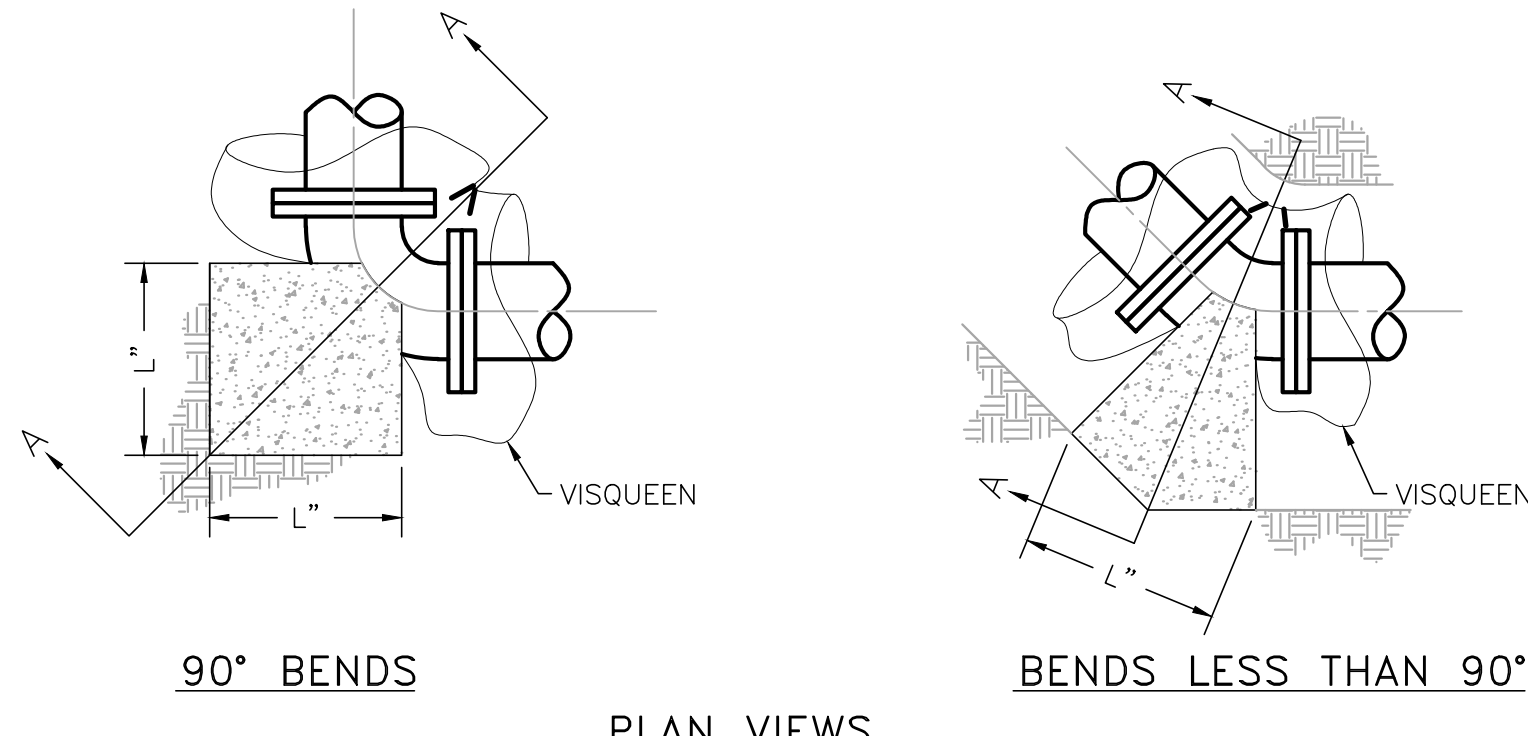
NOTES:

1. CONCRETE FOR BACKING SHALL BE ODOT CLASS "QC1".
2. BACKING SHALL BE DESIGNED FOR 3000 PSF SOIL BEARING.
3. REINFORCING STEEL SHALL BE USED AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
4. CONCRETE SHALL BE PLACED AGAINST UNDISTURBED EARTH.
5. PROVIDE CLEARANCE FOR REMOVAL OF BOLTS.
6. VISQUEEN SHALL BE PLACED IN A MANNER SUCH THAT CONCRETE BLOCKING DOES NOT HAVE DIRECT CONTACT WITH TEE AND/OR FITTINGS.

**BACKING FOR TEES**  
NOT TO SCALE

PIPE SIZE	DEGREE OF BEND											
	11 1/4°			22 1/2°			45°			90°		
	L	D	V	L	D	V	L	D	V	L	D	V
3"	4	3	0.1	6	4	0.2	10	4	0.3	10	4	0.3
4"	5	4	0.2	9	5	0.4	14	5	0.6	14	5	0.6
6"	8	6	0.5	12	7	0.7	20	8	1.4	18	9	1.7
8"	9	8	0.7	16	9	1.4	24	12	2.7	25	11	4.0
12"	14	12	1.8	24	14	3.6	36	18	6.8	32	18	10.7
16"	18	16	3.4	32	18	6.7	36	32	13.4	41	26	25.4
20"	25	20	6.4	30	30	11.5	49	36	20.5	50	32	46.5
24"	27	24	9.0	39	34	18.4	60	42	35.0	58	40	77.7

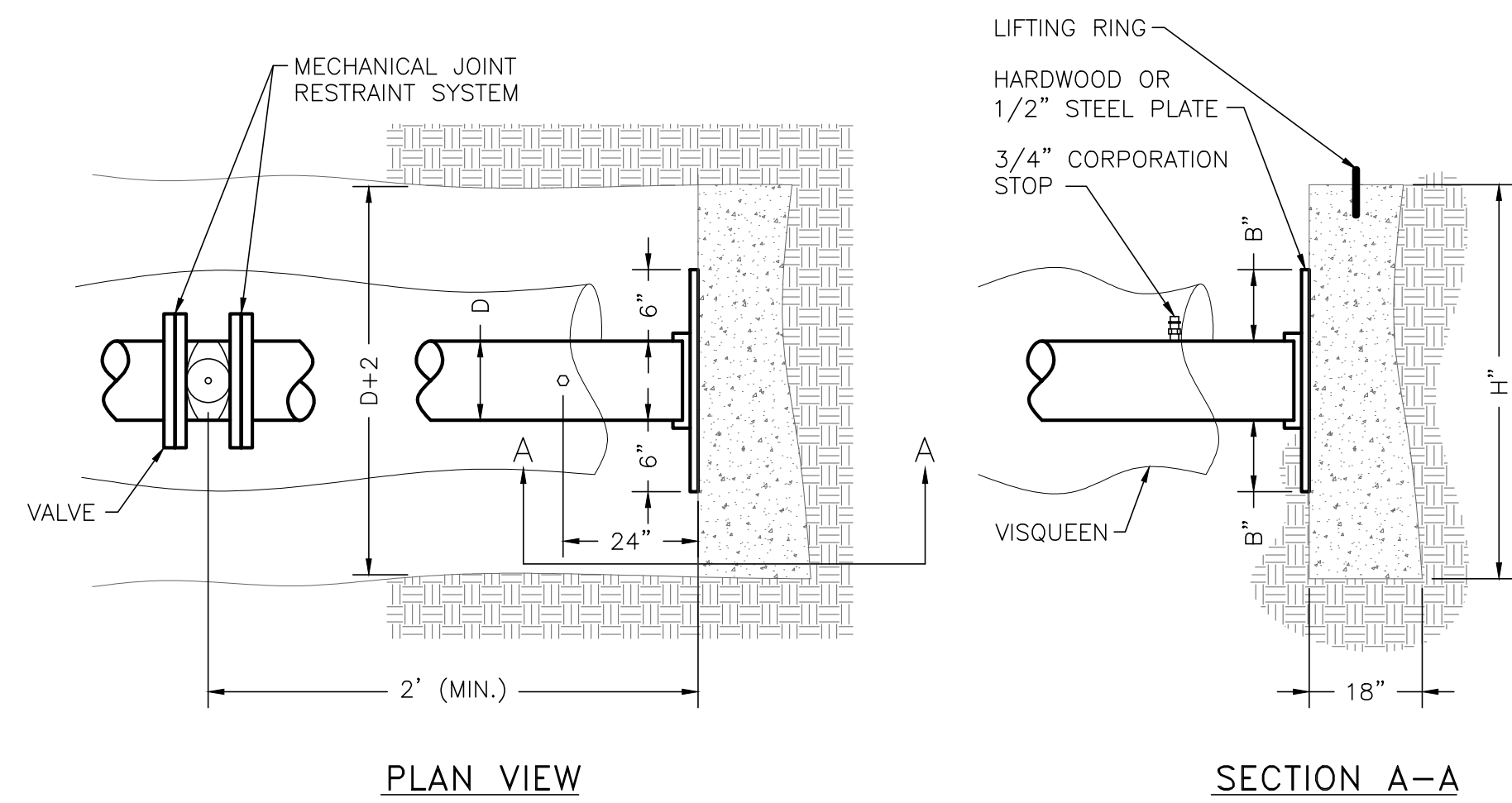
V = VOLUME OF CONCRETE IN CUBIC FEET



NOTES:

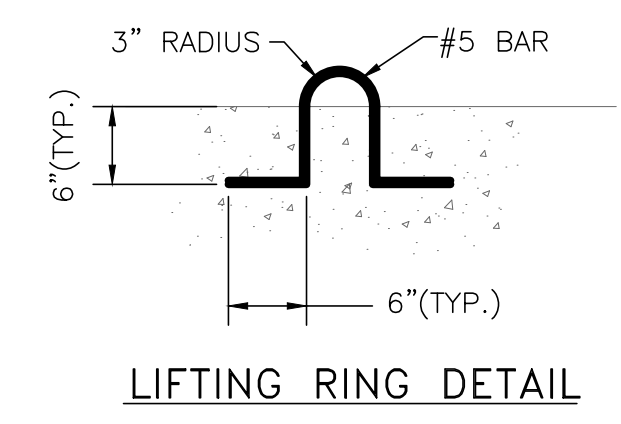
1. CONCRETE FOR BACKING SHALL BE ODOT CLASS "QC1".
2. BACKING SHALL BE DESIGNED FOR 3000 PSF SOIL BEARING.
3. REINFORCING STEEL SHALL BE USED AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
4. CONCRETE SHALL BE PLACED AGAINST UNDISTURBED EARTH.
5. PROVIDE CLEARANCE FOR REMOVAL OF BOLTS.
6. VISQUEEN SHALL BE PLACED IN A MANNER SUCH THAT CONCRETE BLOCKING DOES NOT HAVE DIRECT CONTACT WITH TEE AND/OR FITTINGS.

**BACKING FOR BENDS**  
NOT TO SCALE



NOTES:

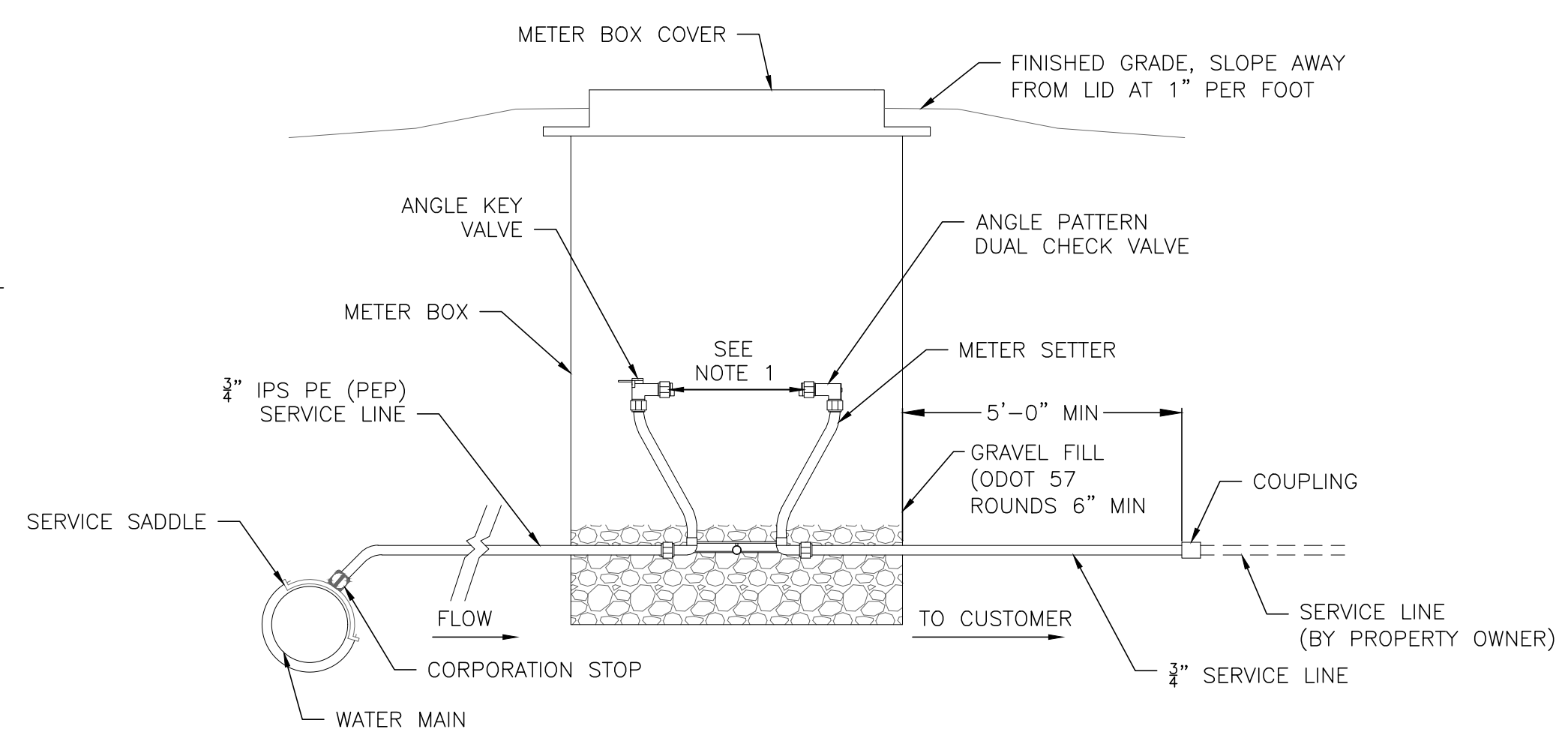
1. CONCRETE FOR BACKING SHALL BE ODOT CLASS "QC1".
2. BACKING SHALL BE DESIGNED FOR 3000 PSF SOIL BEARING.
3. CONCRETE SHALL BE PLACED AGAINST UNDISTURBED EARTH.
4. PROVIDE CLEARANCE FOR REMOVAL OF BOLTS.
5. VISQUEEN SHALL BE PLACED IN A MANNER SUCH THAT CONCRETE BLOCKING DOES NOT HAVE DIRECT CONTACT WITH TEE AND/OR FITTINGS.
6. END OF PIPE SHALL BE CAPPED OR PLUGGED.
7. STEEL PLATE SHALL BE GREASED WHERE IN CONTACT WITH CONCRETE BACKING.
8. PLUG POLES SHALL BE INSTALLED AT ALL END-OF-LINE STUBS AT THE THRUST BLOCK.



SIZE OF PIPE	H	B	L (PVC)	L (DIP)	V
6"	8	1	20	18	2.52
8"	12	1	20	18	4.00
12"	23	3	20	18	8.64
16"	37	3	20	18	15.39

V = VOLUME OF CONCRETE IN CUBIC FEET.

**THRUST BLOCK**  
NOT TO SCALE



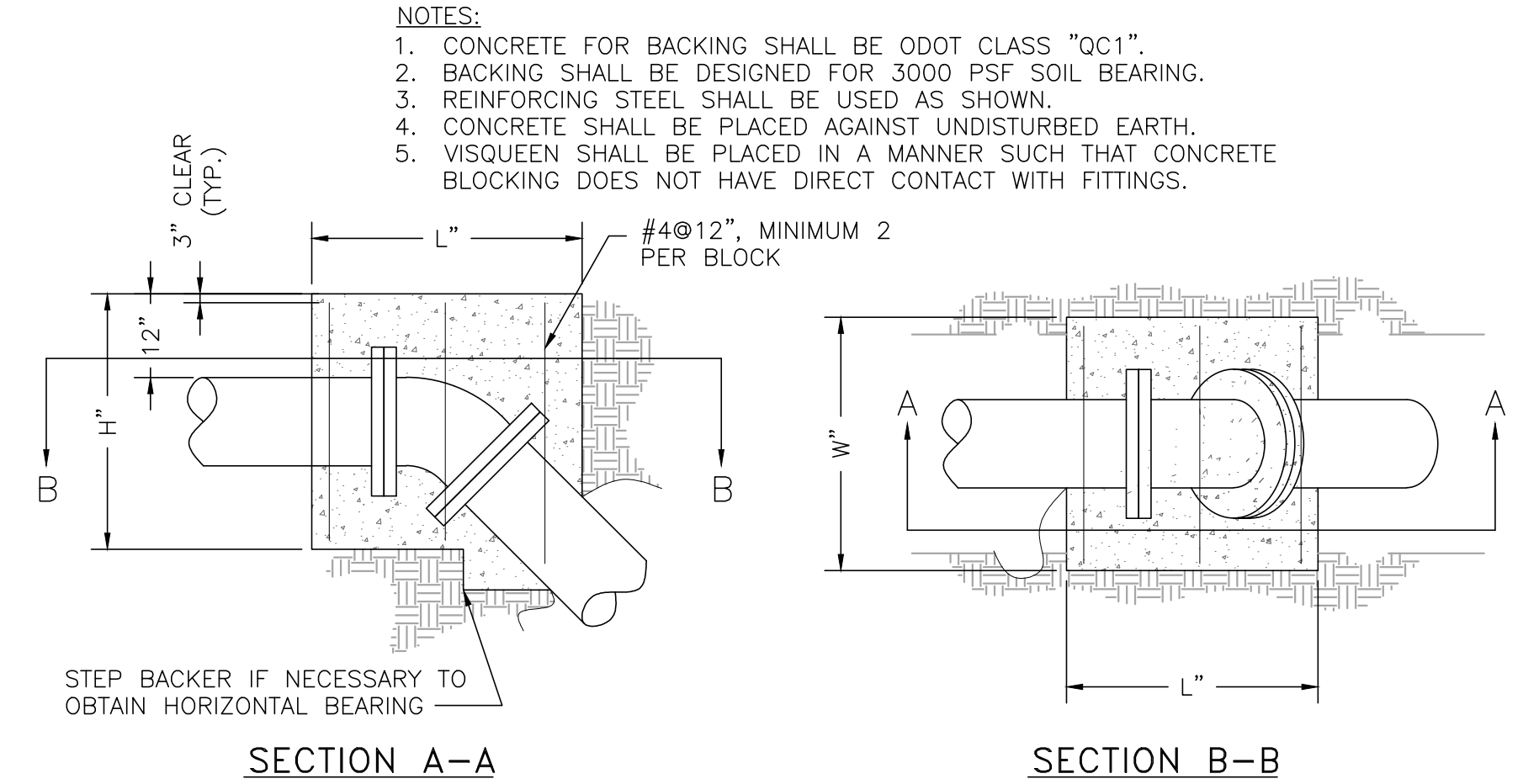
NOTES:

1. STANDARD METERS SHALL BE 5/8" X 3/4" SERVICE METERS AS OUTLINED WITHIN SPECIFICATIONS.
2. CONTRACTOR SHALL PROVIDE INSERT STIFFENERS AT ALL POINTS OF CONNECTION OF PE SERVICE LINE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
3. WHERE DESIGNATED, METER SETTERS SHALL BE SUPPLIED IN A TANDEM CONFIGURATION, INSTALLATION OF THIS TYPE SHALL BE SUPPLIED WITH INDIVIDUAL PRESSURE REDUCING VALVES, S-BARS AND NECESSARY UNIONS AND APPURTENANCES FOR A COMPLETE INSTALLATION.
4. 3/4" IPS PE (PEP) SERVICE LINE SHALL BE UTILIZED.

**METER INSTALLATION**  
NOT TO SCALE

PIPE SIZE	DEGREE OF BEND												
	11 1/4°			22 1/2°			45°			90°			
	L	W	H	V	L	W	H	V	L	W	H	V	
3"	12	18	12	1.5	13	25	16	3.0	18	30	19	5.9	25
4"	12	24	16	2.6	16	30	18	5.0	22	36	24	11.0	27
6"	12	48	18	6.0	15	43	36	13.4	30	55	24	22.9	37
8"	12	63	24	10.5	18	57	34	20.2	36	57	33	39.2	47
12"	20	54	36	22.6	37	62	37	49.0	48	62	51	87.9	66
16"	31	65	38	44.3	60	65	39	88.1	65	65	65	159.2	72
20"	45	70	40	72.8	56	70	60	136.2	72	76	78	247.0	86
24"	41	72	54	92.3	67	74	69	198.0	88	84	84	359.1	96

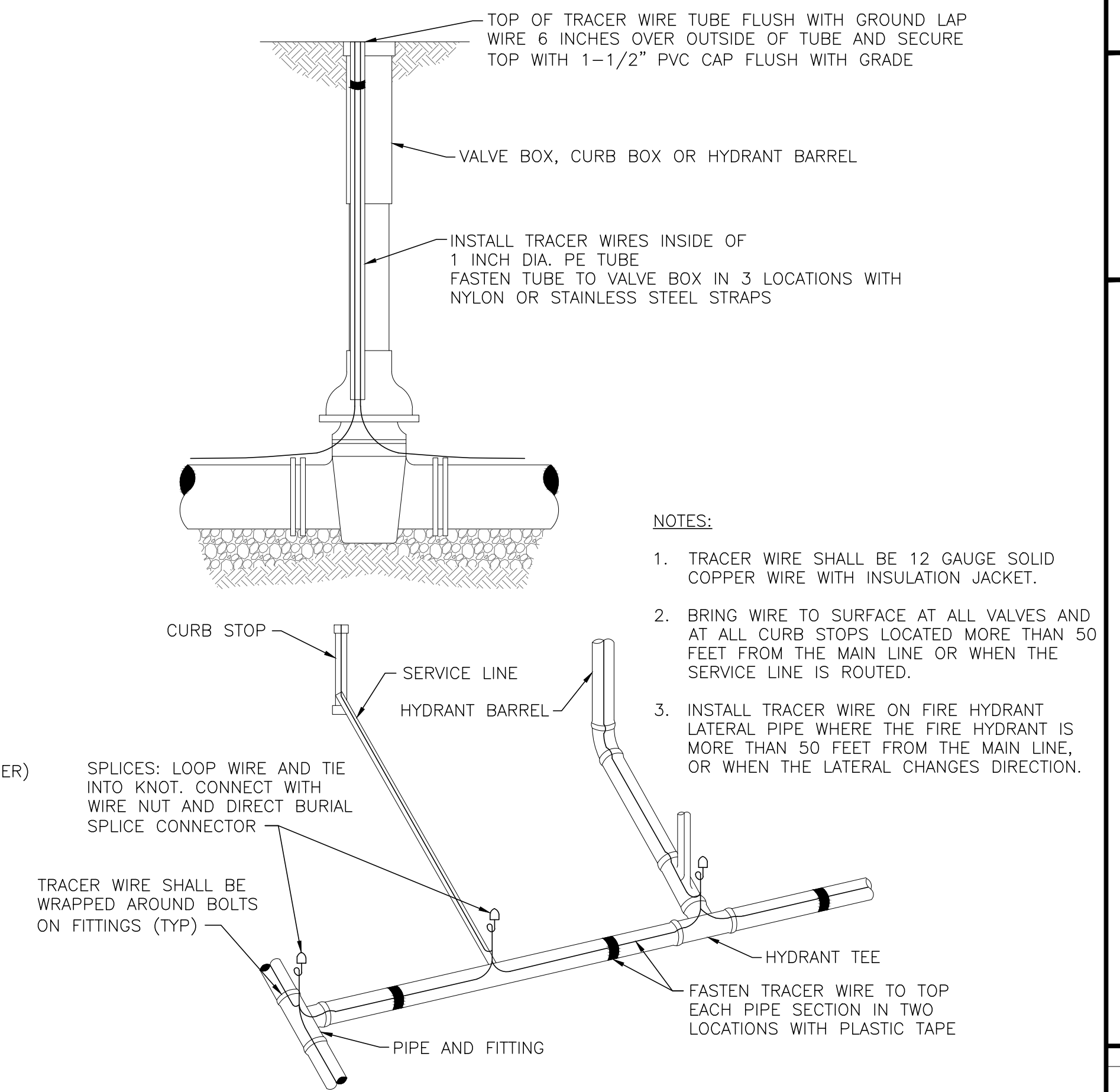
V = VOLUME OF CONCRETE IN CUBIC FEET



NOTES:

1. CONCRETE FOR BACKING SHALL BE ODOT CLASS "QC1".
2. BACKING SHALL BE DESIGNED FOR 3000 PSF SOIL BEARING.
3. REINFORCING STEEL SHALL BE USED AS SHOWN.
4. CONCRETE SHALL BE PLACED AGAINST UNDISTURBED EARTH.
5. VISQUEEN SHALL BE PLACED IN A MANNER SUCH THAT CONCRETE BLOCKING DOES NOT HAVE DIRECT CONTACT WITH FITTINGS.

**BACKING FOR VERTICAL BENDS**  
NOT TO SCALE



NOTES:

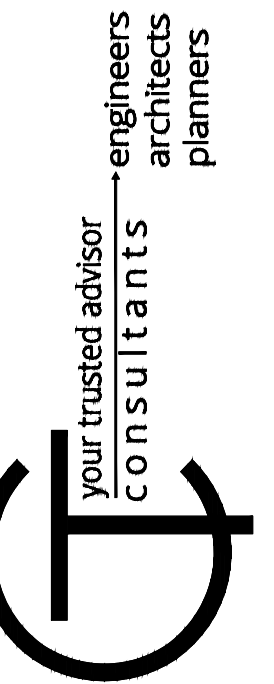
1. TRACER WIRE SHALL BE 12 GAUGE SOLID COPPER WIRE WITH INSULATION JACKET.
2. BRING WIRE TO SURFACE AT ALL VALVES AND AT ALL CURB STOPS LOCATED MORE THAN 50 FEET FROM THE MAIN LINE OR WHEN THE SERVICE LINE IS ROUTED.
3. INSTALL TRACER WIRE ON FIRE HYDRANT LATERAL PIPE WHERE THE FIRE HYDRANT IS MORE THAN 50 FEET FROM THE MAIN LINE, OR WHEN THE LATERAL CHANGES DIRECTION.

SPICES: LOOP WIRE AND TIE INTO KNOT. CONNECT WITH WIRE NUT AND DIRECT BURIAL SPLICE CONNECTOR

TRACER WIRE SHALL BE WRAPPED AROUND BOLTS ON FITTINGS (TYP)

FASTEN TRACER WIRE TO TOP EACH PIPE SECTION IN TWO LOCATIONS WITH PLASTIC TAPE

**TRACER WIRE DETAIL**  
NOT TO SCALE

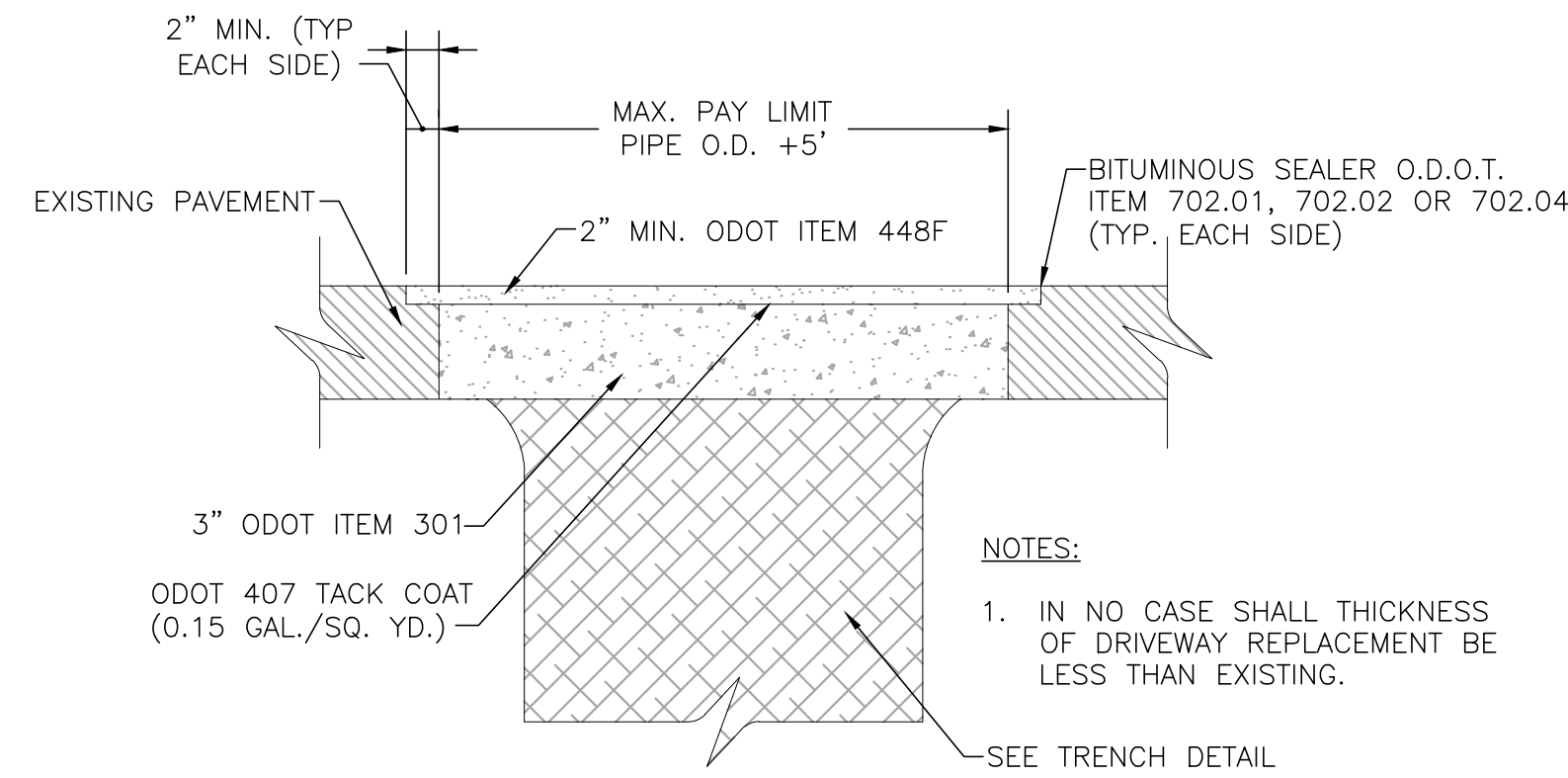


DATE	REVISION	NO	ISSUED FOR:	ISSUE DATE:	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
4/3/20 <td>ALIGNMENT REVISIONS</td> <td>1</td> <td>DEPA REVIEW</td> <td>1/18/19</td> <td>AS SHOWN</td> <td>BRA</td> <td>AGD</td> <td>BRA</td>	ALIGNMENT REVISIONS	1	DEPA REVIEW	1/18/19	AS SHOWN	BRA	AGD	BRA

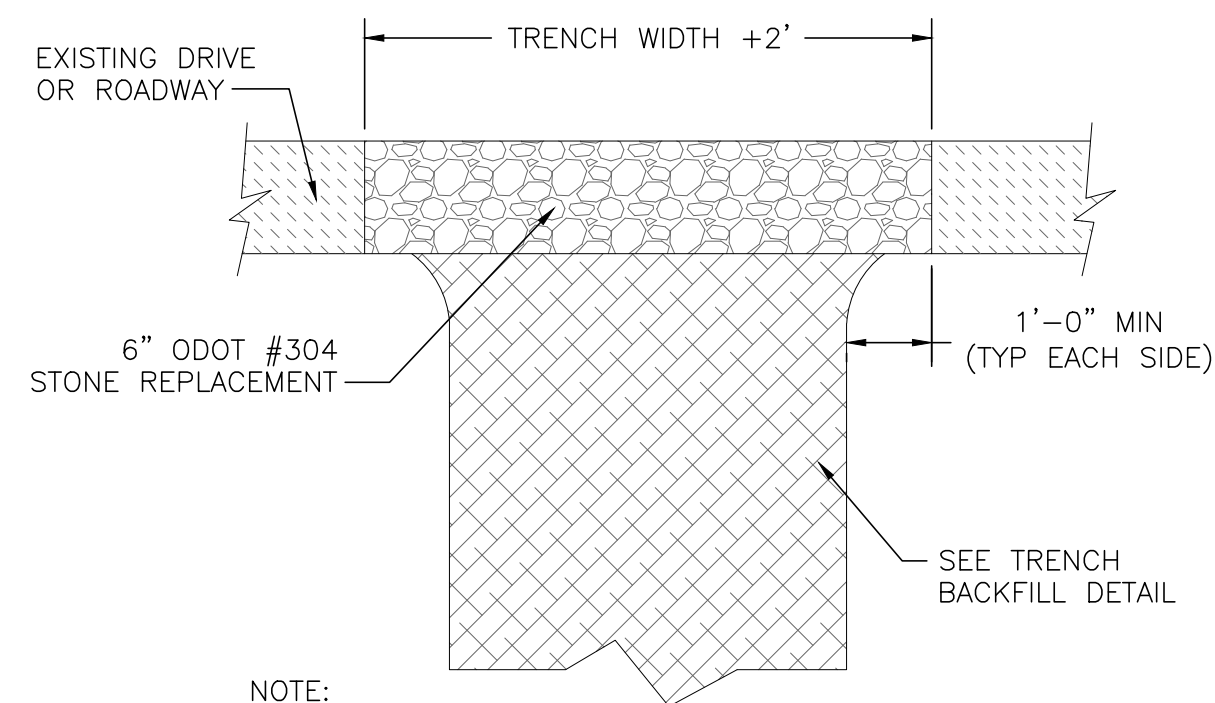
**HIGHLAND/PIKE WATERLINE EXTENSION**  
HIGHLAND & PIKE COUNTY, OHIO

**CONSTRUCTION DETAILS - 2**

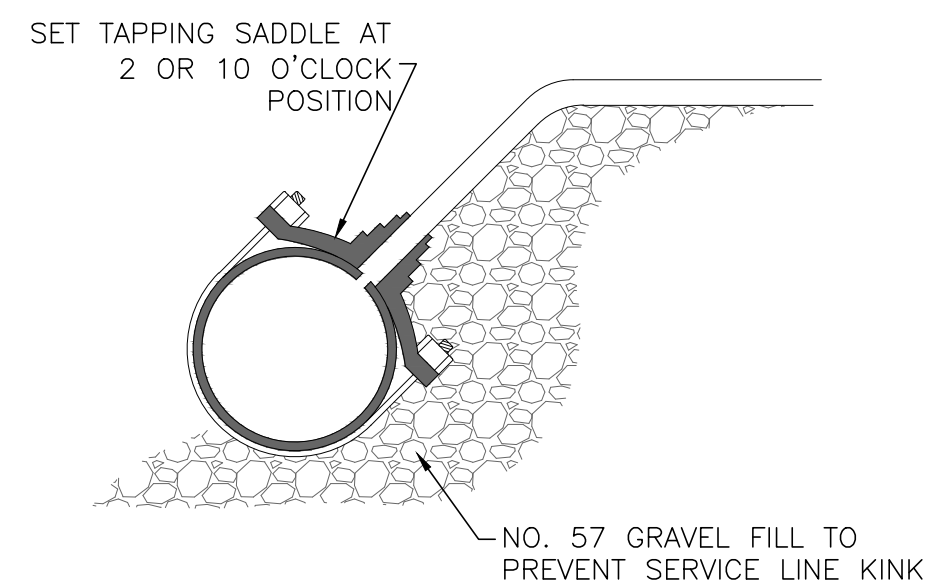
PROJECT NO.	180735
DISCIPLINE	CIVIL
SHEET NAME	00C-02
SHEET	5
OF	25



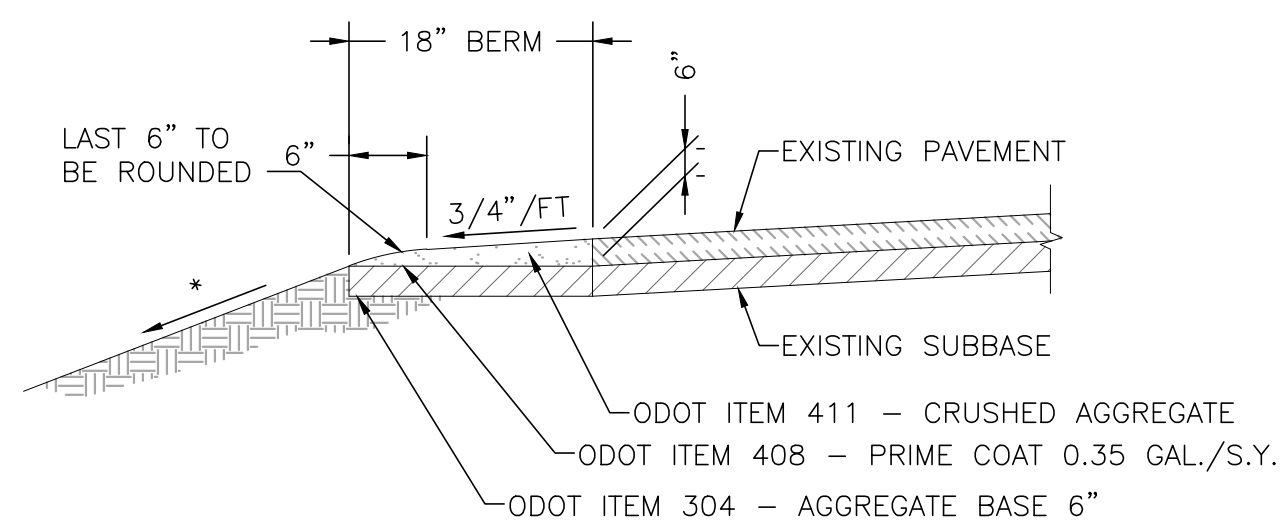
**ASPHALT DRIVE REPLACEMENT**  
NOT TO SCALE



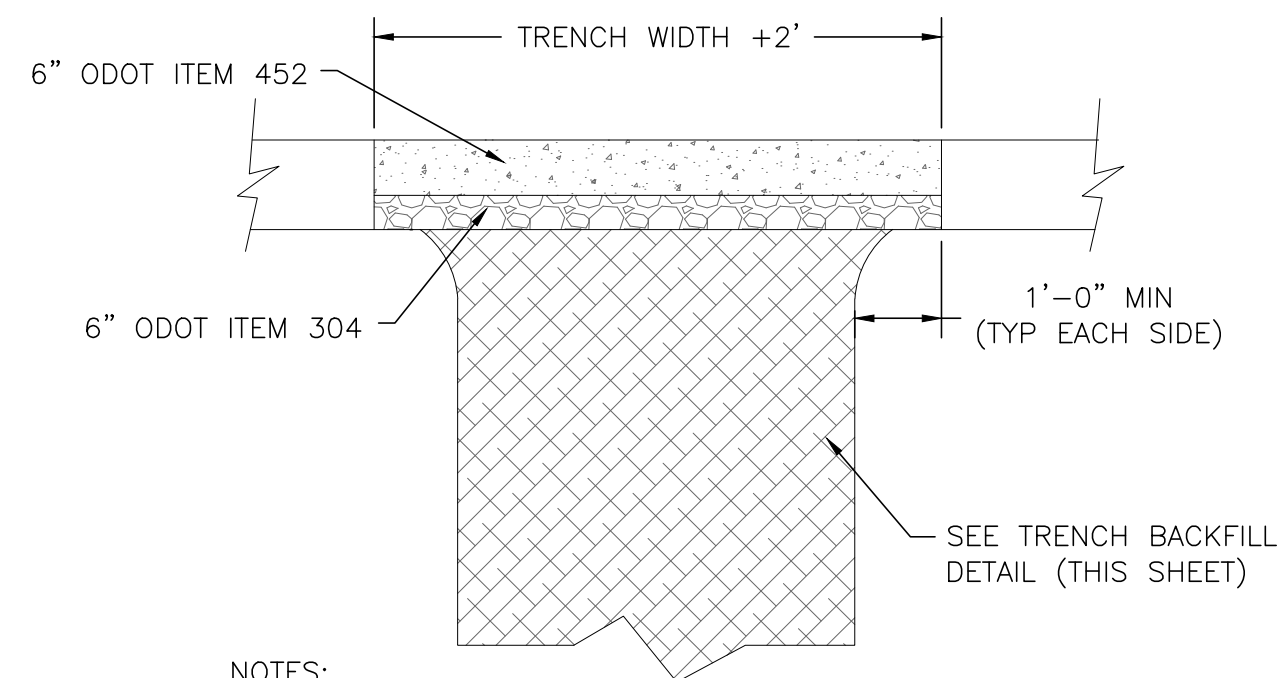
**GRAVEL DRIVE REPLACEMENT**  
NOT TO SCALE



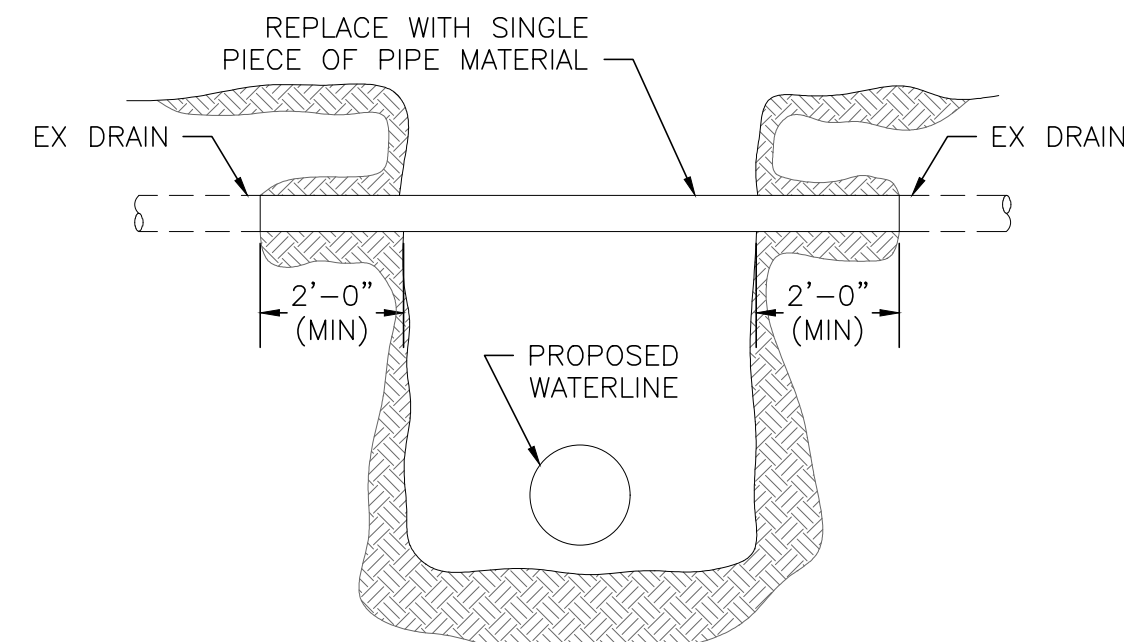
**TAP DETAIL**  
NOT TO SCALE



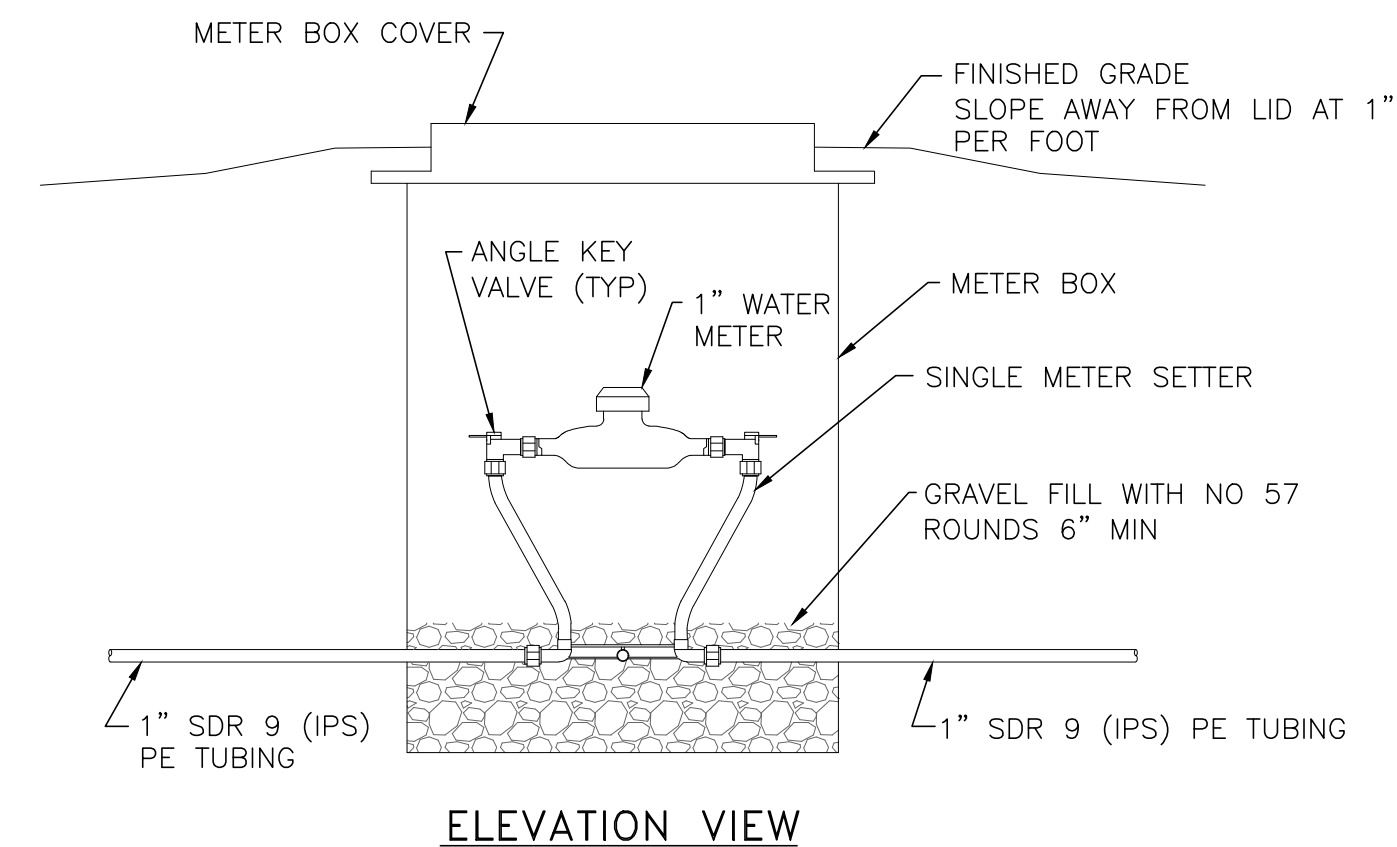
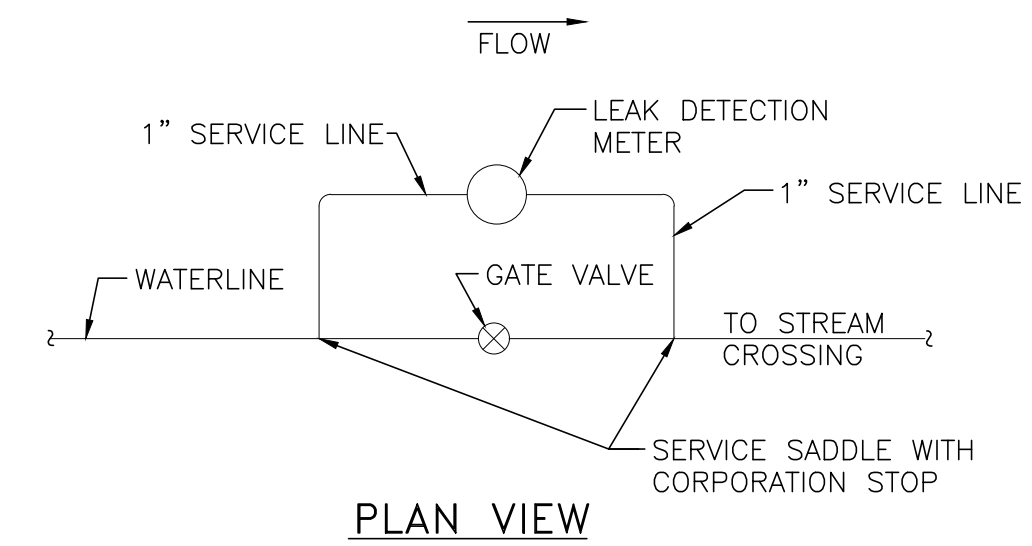
**TYPICAL BERM REPLACEMENT**  
NOT TO SCALE



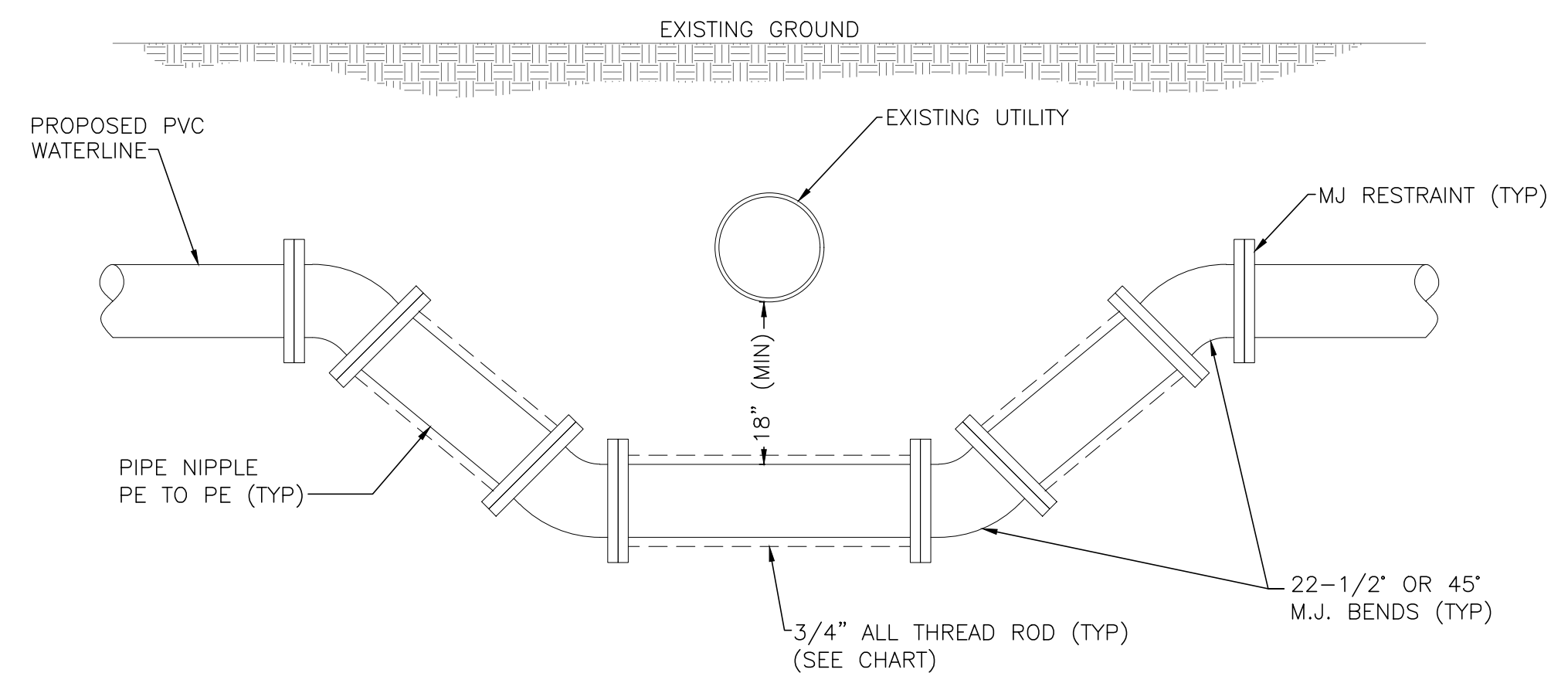
**CONCRETE DRIVE REPLACEMENT**  
NOT TO SCALE



**DRAIN TILE AND UNDERDRAIN REPLACEMENT**  
NOT TO SCALE

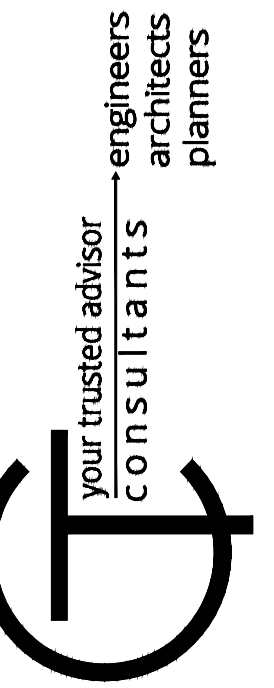


**LEAK DETECTION METER**  
NOT TO SCALE



**TYPICAL WATERLINE GRADE ADJUSTMENT**  
NOT TO SCALE

PIPE DIAMETER	NO OF RODS
4" & 6"	2
8"	3
10" & UP	4



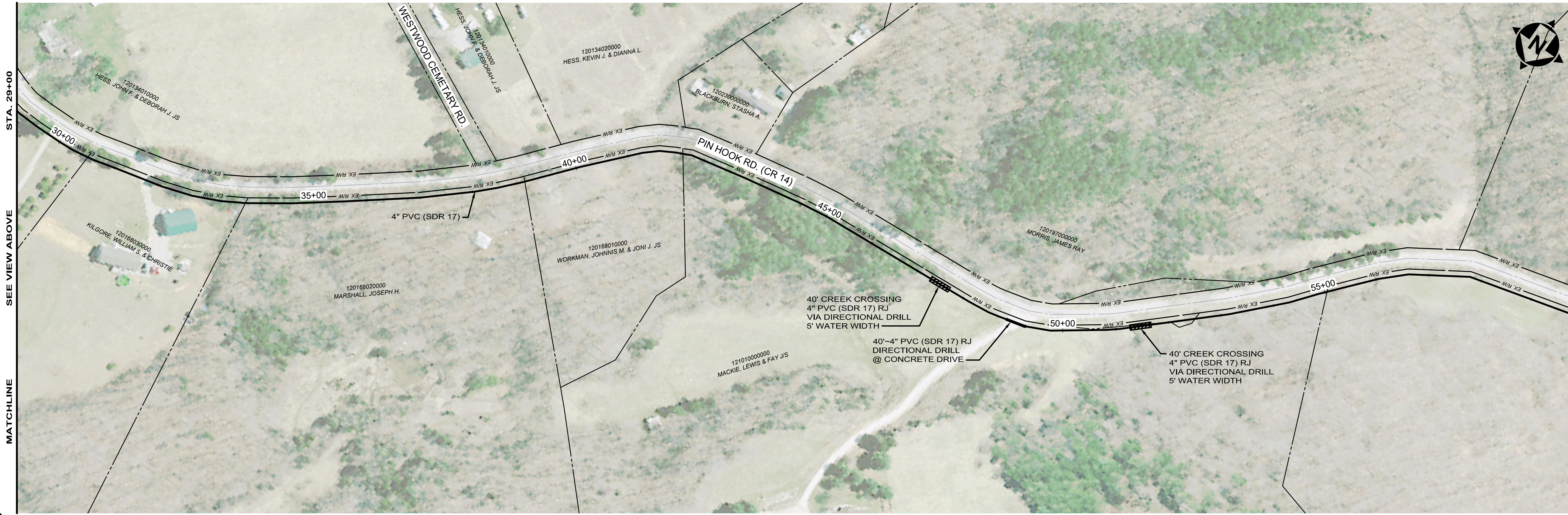
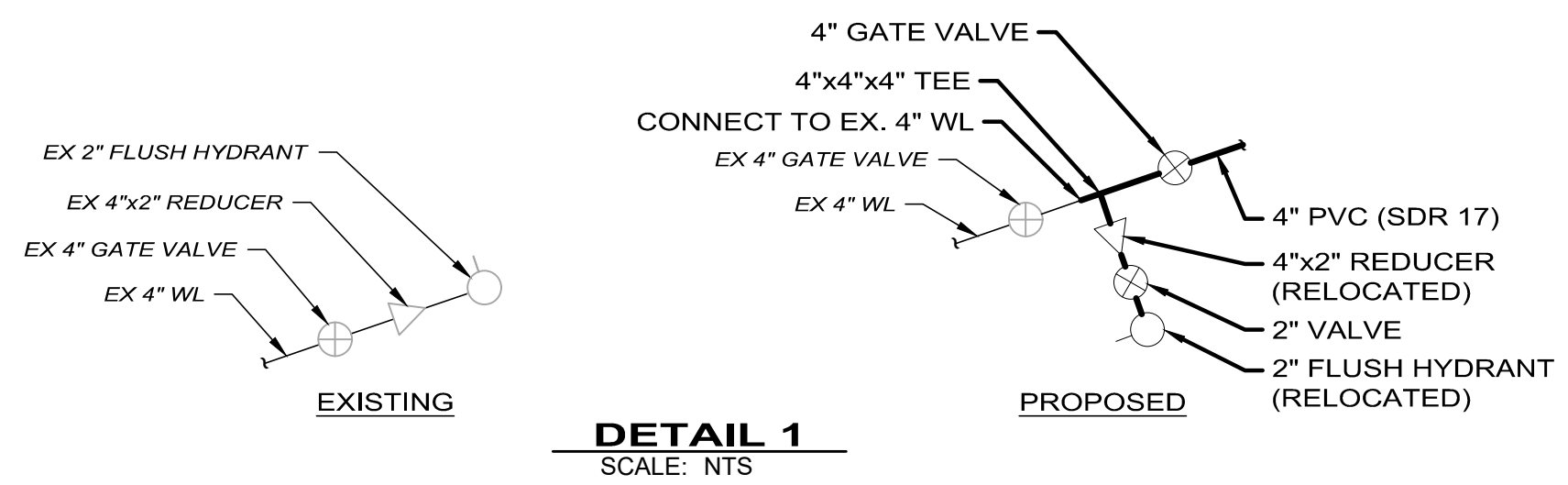
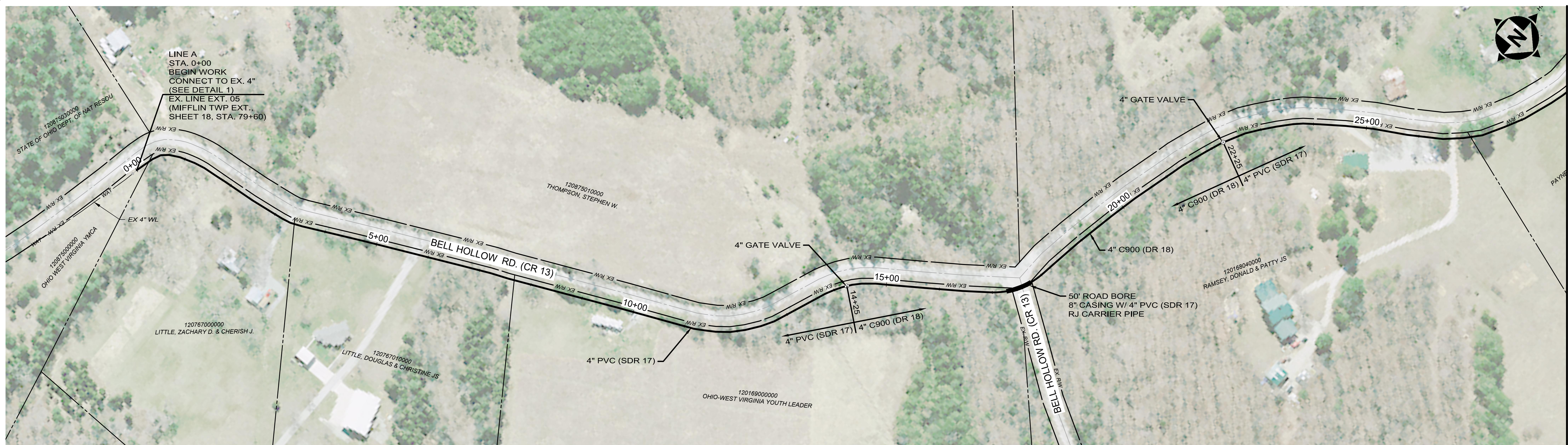
ISSUED FOR:	DEPA REVIEW	DATE	REVISION	NO
1/18/19 <td>AS SHOWN <td>4/3/20 <td>ALIGNMENT REVISIONS <td>1</td> </td></td></td>	AS SHOWN <td>4/3/20 <td>ALIGNMENT REVISIONS <td>1</td> </td></td>	4/3/20 <td>ALIGNMENT REVISIONS <td>1</td> </td>	ALIGNMENT REVISIONS <td>1</td>	1
SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:	
	BRA	AGD	BRA	

**HIGHLAND/PIKE WATERLINE EXTENSION**  
HIGHLAND & PIKE COUNTY, OHIO

**CONSTRUCTION DETAILS - 3**

PROJECT NO.	180735
DISCIPLINE	CIVIL
SHEET NAME	00C-03
SHEET	OF
6	25





SEE VIEW BELOW
STA. 29+00

MATCHLINE
SEE VIEW ABOVE

ISSUED FOR: DEPA REVIEW
DATE: 4/3/20

ISSUE DATE: 1/18/19
ALIGNMENT REVISIONS

SCALE: AS SHOWN
NO. 1

DESIGNED BY: BRA
REVISION

DRAWN BY: ACD
NO.

CHECKED BY: BRA
DATE

ISSUED FOR: DEPA REVIEW
DATE: 1/18/19

ISSUE DATE: 1/18/19
ALIGNMENT REVISIONS

SCALE: AS SHOWN
NO. 1

DESIGNED BY: BRA
REVISION

DRAWN BY: ACD
NO.

CHECKED BY: BRA
DATE

PROJECT NO. 180735
DATE

DISCIPLINE CIVIL
ALIGNMENT REVISIONS

SHEET NAME 01C-01
NO. 1

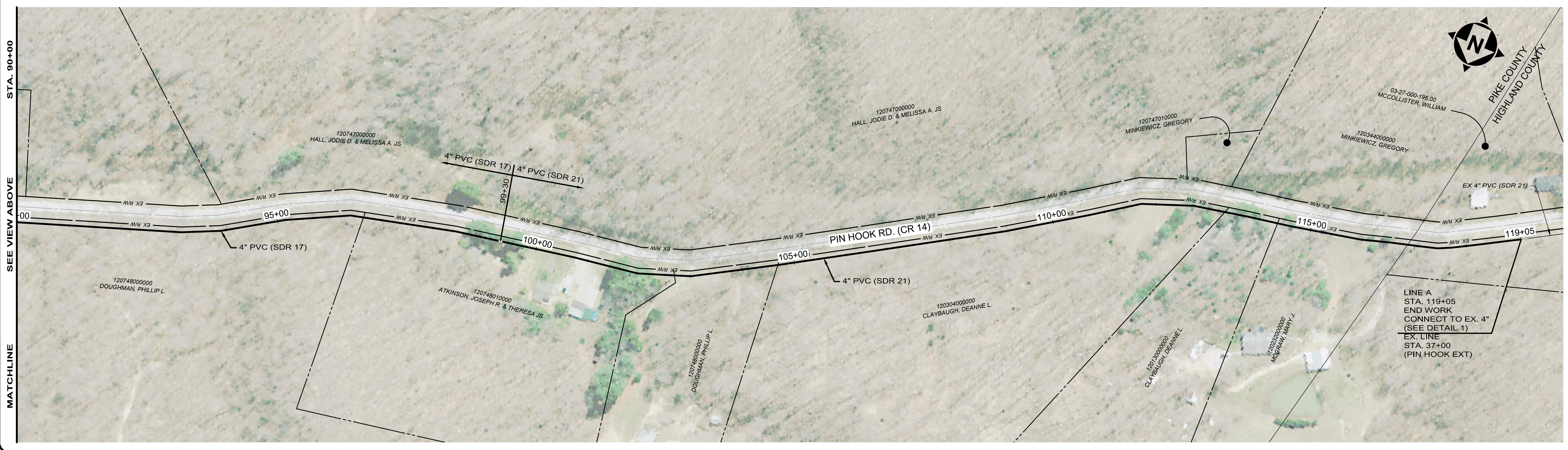
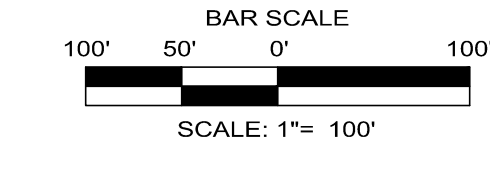
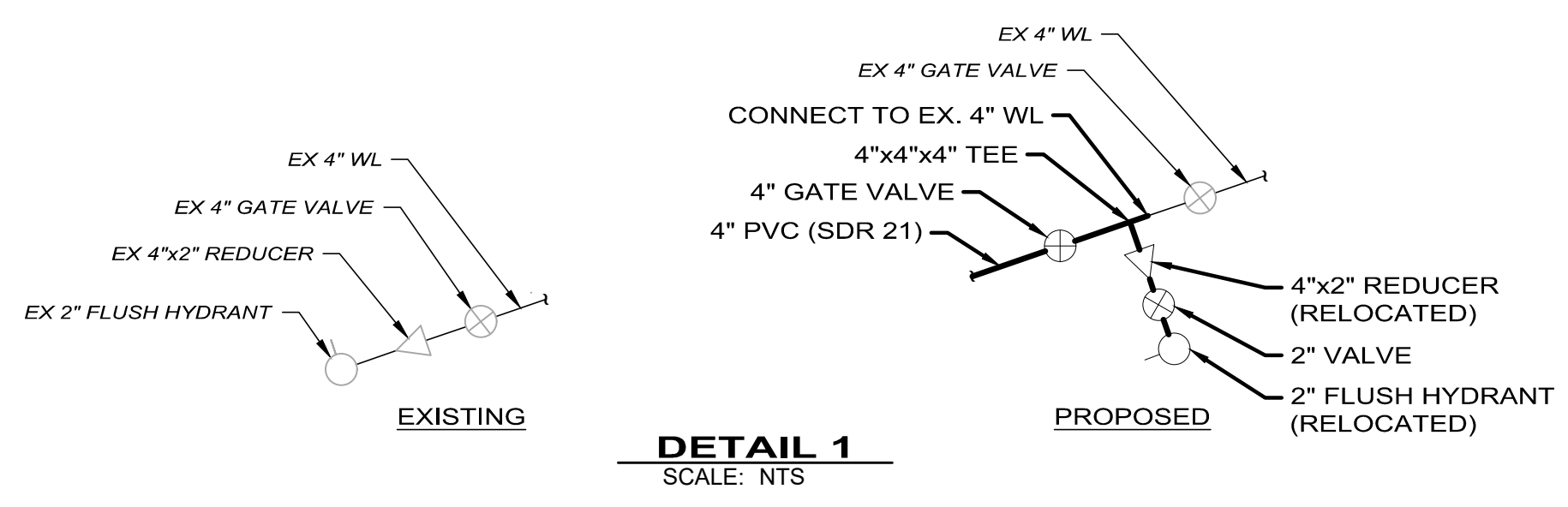
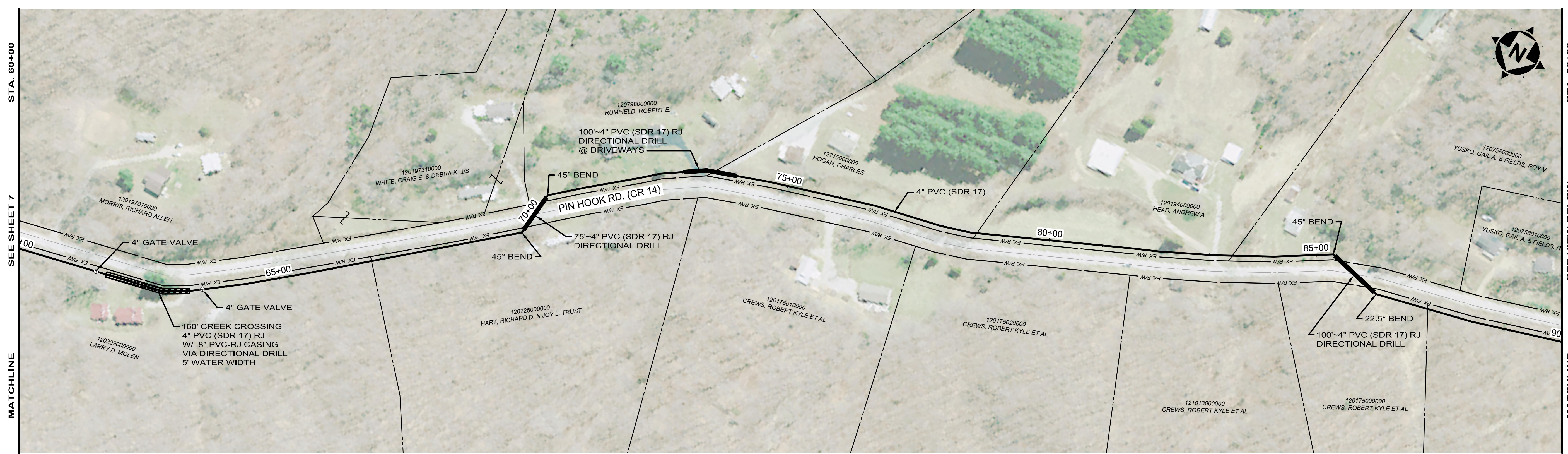
SHEET 7
OF 25

**HIGHLAND/PIKE**  
**WATERLINE EXTENSION**  
 HIGHLAND & PIKE COUNTY, OHIO

**LINE A**

your trusted advisor  
**consultants**  
 engineers  
 architects  
 planners





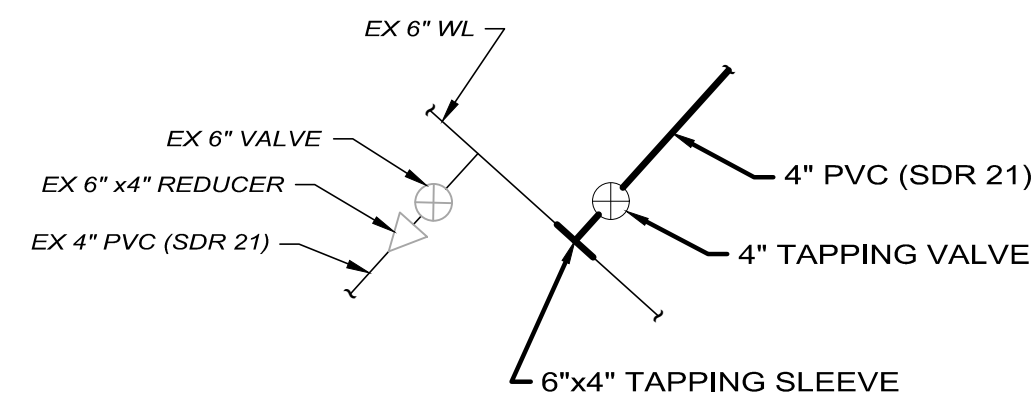
DATE	4/3/20
REVISION	ALIGNMENT REVISIONS
NO	1
ISSUED FOR:	OEPA REVIEW
ISSUE DATE:	1/18/19
SCALE:	AS SHOWN
DESIGNED BY:	XXX
DRAWN BY:	AGD
CHECKED BY:	BRA

<b>HIGHLAND/PIKE WATERLINE EXTENSION</b> HIGHLAND & PIKE COUNTY, OHIO	
<b>LINE A</b>	
PROJECT NO.	180735
DISCIPLINE	CIVIL
SHEET NAME	01C-02
SHEET	8
OF	25

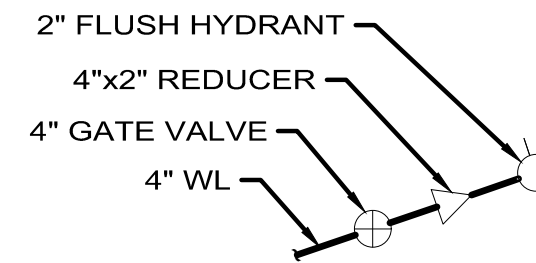




MATCHLINE SEE VIEW BELOW STA. 27+00



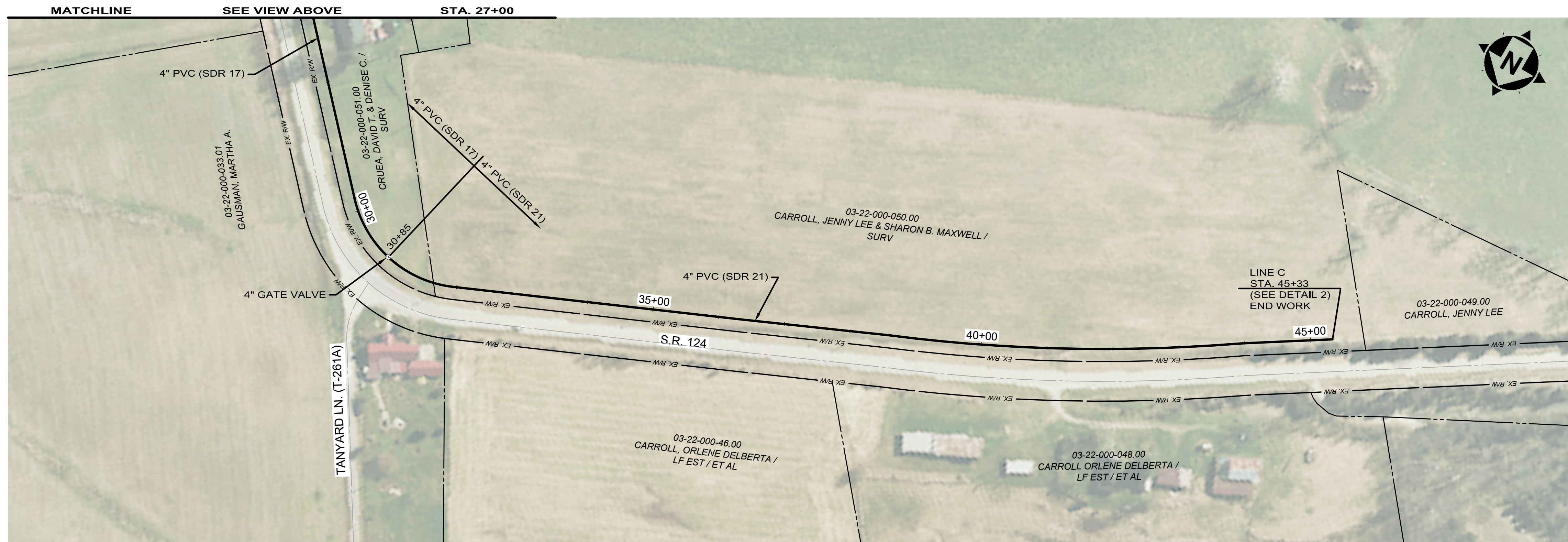
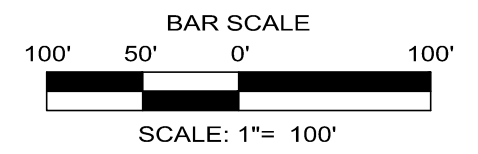
**DETAIL 1**  
SCALE: NTS



**DETAIL 2**  
SCALE: NTS

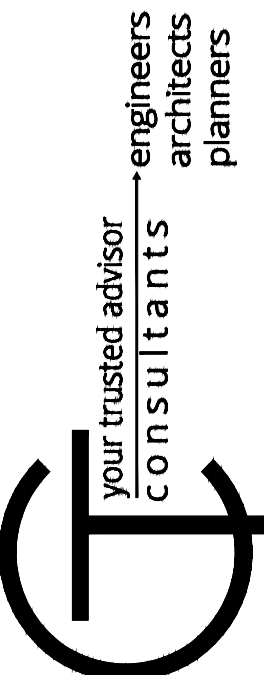
**NOTES:**

- CONTRACTOR SHALL SUPPLEMENT CORRIDOR BASED EROSION CONTROL ACTIVITIES IN THE AREA OF LINE C, STA. 0+00 TO STA. 6+00 TO ADDRESS THE CROSS-COUNTRY NATURE OF THE PROPOSED ALIGNMENT. THESE ACTIVITIES SHALL EXTEND TO INCLUDE SITE ACCESS ROUTES, MATERIAL STORAGE, TRENCH SPOIL AREAS, ETC.



MATCHLINE SEE VIEW ABOVE STA. 27+00

LINE C  
STA. 45+33  
(SEE DETAIL 2)  
END WORK



ISSUED FOR:	DATE	REVISION	NO
OEPA REVIEW	1/18/19	ALIGNMENT REVISIONS	1
ISSUE DATE:	4/3/20		
SCALE:	AS SHOWN		
DESIGNED BY:	BRA		
DRAWN BY:	ACD		
CHECKED BY:	BRA		

**HIGHLAND/PIKE  
WATERLINE EXTENSION  
HIGHLAND & PIKE COUNTY, OHIO**

**LINE C**

PROJECT NO.	180735
DISCIPLINE	CIVIL
SHEET NAME	01C-03
SHEET	9
OF	25