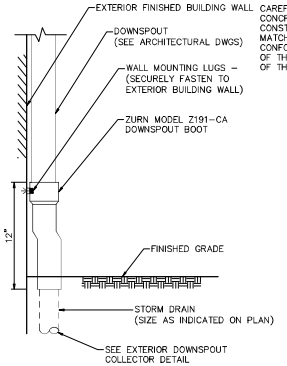
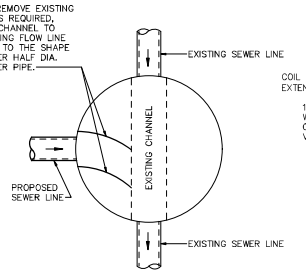


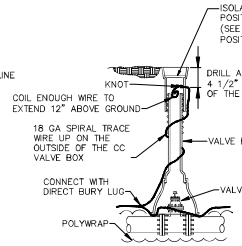
CAST IRON BOOT DETAIL

NOT TO SCALE



EXISTING MANHOLE FLOW LINE DETAIL

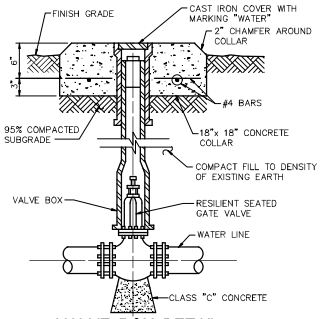
NOT TO SCALE



NOTE:
BRING TRACE WIRE TO SURFACE AT EVERY VALVE BOX. TAKE CARE NOT TO DAMAGE THE WIRE COATING. REPAIR DAMAGE WITH ELECTRICAL TAPE.

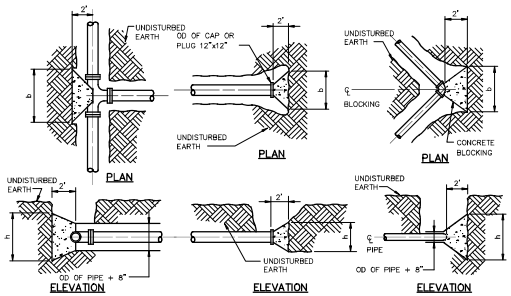
TRACER WIRE INSTALLATION AT VALVE BOX DETAIL

NOT TO SCALE



VALVE BOX DETAIL

NOT TO SCALE

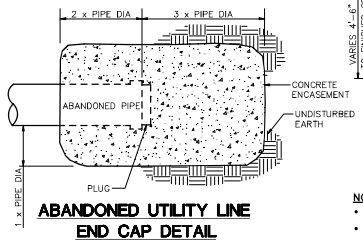


WATER LINE THRUST BLOCK DETAILS

NOT TO SCALE

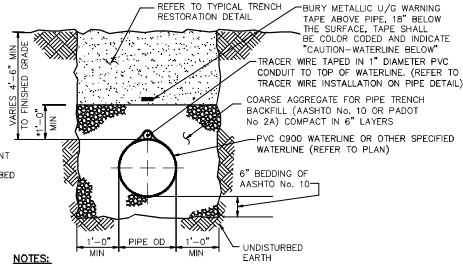
BLOCKING DIMENSIONS			
PIPE SIZE	BEND ANGLE	a DIMENSION	b DIMENSION
4"	ALL ANGLES	2'-0"	2'-0"
6"	90	2'-0"	2'-0"
6"	45	2'-0"	2'-0"
6"	22-1/2	2'-0"	2'-0"
6"	11-1/4	2'-0"	2'-0"
8"	90	3'-0"	3'-0"
8"	45	2'-0"	2'-0"
8"	22-1/2	2'-0"	2'-0"
8"	11-1/4	2'-0"	2'-0"
10"	90	3'-6"	3'-6"
10"	45	3'-0"	3'-0"
10"	22-1/2	3'-0"	3'-0"
10"	11-1/4	3'-0"	3'-0"

BLOCKING DIMENSIONS FOR PLUG OR CAP		
PIPE SIZE	b DIMENSION	c DIMENSION
4"	2'-0"	2'-0"
6"	2'-0"	2'-0"
8"	3'-0"	3'-0"
10"	3'-6"	3'-6"



ABANDONED UTILITY LINE END CAP DETAIL

NOT TO SCALE

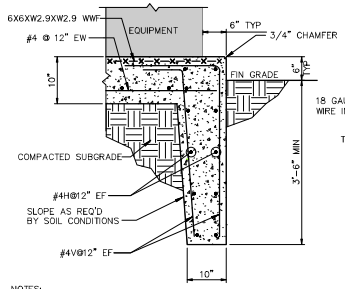


NOTES:

- TRENCH WIDTH APPLIES AT AND BELOW TOP OF PIPE.
- WHERE PIPE CROSSES UNDER PARKING LOT AND/OR ROADWAY PLACE COARSE AGGREGATE IN TRENCH TO PAVEMENT SUBGRADE ELEVATION
- REFER TO CONSTRUCTION DRAWINGS FOR SURFACE TREATMENT
- CONTRACTOR TO INSTALL A DETECTABLE MARKING (WARNING) TAPE ALONG CENTERLINE OF NEW WATER LINE FOR COMPLETE LENGTH OF LINE IN ACCORDANCE WITH THE WATER AUTHORITY REQUIREMENTS.

WATER LINE INSTALLATION DETAIL

NOT TO SCALE

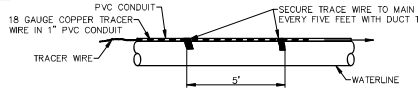


NOTES:
1. PROVIDE EQUIPMENT PAD 6" LARGER THAN EQUIPMENT. TYP ALL SIDES.

TYPICAL EXTERIOR EQUIPMENT PAD DETAIL

NOT TO SCALE

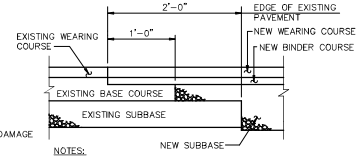
INSTALLATION OF TRACER WIRE
TRACE WIRE SHALL BE INSTALLED IN A CONTINUOUS FASHION. INSTALL TRACE WIRE ON TOP OF WATERMAIN THROUGH 1" DIAMETER PVC CONDUIT AND SECURE TO MAIN EVERY 5 FEET WITH TAPE AS SHOWN.



NOTES:
BRING TRACE WIRE TO SURFACE AT EVERY VALVE BOX. TAKE CARE NOT TO DAMAGE THE WIRE COATING. REPAIR DAMAGE WITH ELECTRICAL TAPE.

TRACER WIRE INSTALLATION ON PIPE DETAIL

NOT TO SCALE

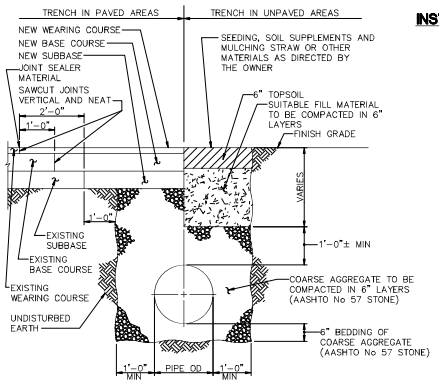


NOTES:

- SAWCUT ALL JOINTS VERTICAL AND NEAT
- PLACE TACK COAT ON EXISTING SAWCUT BITUMINOUS SURFACES AND EXISTING BASE
- APPLY SEALER MATERIAL ALONG JOINT BETWEEN EXISTING AND NEW WEARING SURFACES

ASPHALT PAVEMENT MATCH DETAIL

NOT TO SCALE



NOTES:

- PLACE TACK COAT ON EXISTING SAWCUT BITUMINOUS SURFACES AND EXISTING BASE.
- REFER TO SITE WORK DETAILS FOR NEW PAVEMENT THICKNESS.

TYPICAL PIPE INSTALLATION AND TRENCH RESTORATION DETAIL

NOT TO SCALE

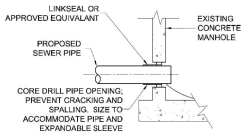
LATERAL NOTES:

1. ALL MATERIAL USED FOR LATERAL INSTALLATIONS SHALL BE NEW, FREE FROM DEFECTS AND CONFORM TO ALL STANDARDS SET FORTH BY LOYSVILLE VILLAGE MUNICIPAL AUTHORITY.
2. CONTINUOUS SUPPORT OF BARREL OF PIPE TO BE MAINTAINED. PIPE SHALL NOT BE SUPPORTED ON BLOCKING TO GRADE.
3. ANY PLUMBING PASSING UNDER A FOOTING SHALL BE PROVIDED WITH RELIEVING ARCH.
4. MINIMUM 6" OF AASHTO #8 STONE TOBE REPLACED BELOW AND A MINIMUM OF 12" ABOVE SEWER LATERAL PIPE.
5. JOINTS FOR BELL AND SPIGOT PVC SDR 35 PIPE AND FITTINGS SHALL BE USED WITH AN APPROVED COMPRESSION GASKET THAT IS COMPRESSED WHEN THE SPIGOT IS INSERTED INTO THE HUB OF THE PIPE.
6. ALL LATERALS MUST BE INSPECTED BEFORE BACKFILLING. COMPLETED DRAWINGS SHOWING THE EXACT LOCATION AND DEPTH OF LINE SHALL BE SUBMITTED TO THE AUTHORITY DURING FINAL INSPECTION OR THE LATERAL WILL NOT BE AUTHORIZED TO USE.
7. ALL FEES MUST BE PAID IN PROPER AMOUNT BEFORE A CONNECTION PERMIT WILL BE ISSUED.

MATERIAL ALLOWED BY LOYSVILLE VILLAGE MUNICIPAL AUTHORITY FOR BUILDING GRAVITY SEWERS

1. MINIMUM 4" PVC BELL AND SPIGOT SEWER PIPE (SDR 35) OR MINIMUM 4" SCH40 PVC.
2. 4" @ 1/4" / FT. MIN. GRADE
   6" @ 1/8" / FT. MIN. GRADE

LOW PRESSURE:
1. HDPE
2. MINIMUM DIAMETER: 1-1/4 INCH



NOTES:

1. PROPOSED SEWER PIPE INVERT ELEVATION SHALL NOT BE BELOW EXISTING SEWER INVERT ELEVATION.
2. PROPOSED SEWER PIPE SHALL BE LOCATED A MINIMUM OF 8" ABOVE OR BELOW EXISTING MANHOLE JOINT.
3. AFTER CONNECTION OF PIPE TO MANHOLE, REMOVE CONCRETE CHANNEL AS REQUIRED AND RECONSTRUCT CHANNEL.
4. KEEP GROUNDWATER, SURFACE WATER AND DEBRIS FROM ENTERING EXISTING FACILITIES.
5. MAINTAIN EXISTING FLOW DURING CONSTRUCTION.
6. DROPS OVER 2 FT WILL REQUIRE A DROP CONNECTION.

TYPICAL TIE-IN TO EXISTING MANHOLE DETAIL

SCALE: NONE

1	07/31/23	LVMA COMMENTS

RECORD REVISIONS

PROFESSIONAL'S SIGNATURE DATE

UpStreet ARCHITECTS, INC.
541 PHILADELPHIA ST. INDIANA, PA 15701
911 MENOHER BLVD. JOHNSTOWN, PA 15905

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF GENERAL SERVICES
HARRISBURG, PENNSYLVANIA

D.G.S. PROJECT No.
C-0588-0015 PHASE 1

LOYSVILLE YOUTH DEVELOPMENT CENTER-RENOVATIONS TO ZIMMERMAN-BINGAMAN (ZB) COTTAGE
DEPARTMENT of HUMAN SERVICES
LOYSVILLE, TYRONE TOWNSHIP, PERRY COUNTY, PA

CONSTRUCTION DETAILS SHEET

VERIFY SCALE
BAR IS ONE (1) INCH LONG ON ORIGINAL DRAWING.
0 1
IF BAR IS NOT ONE (1) INCH LONG, ADJUST SCALE ACCORDINGLY.

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT PROFESSIONAL & BUREAU OF CONSTRUCTION APPROVAL.

DRAWN BY	DATE 27 JUNE 2023	SHEET No.
CHECKED BY	SCALE AS NOTED	C-004

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