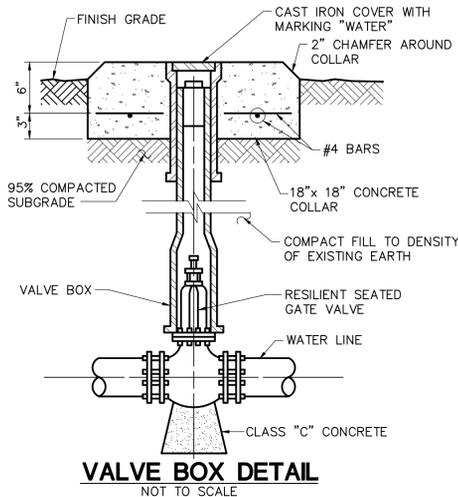
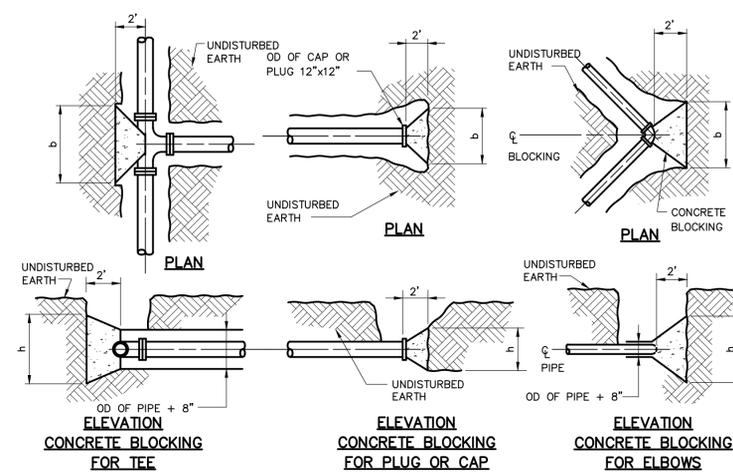


**TRACER WIRE INSTALLATION AT VALVE BOX DETAIL**  
NOT TO SCALE



**VALVE BOX DETAIL**  
NOT TO SCALE



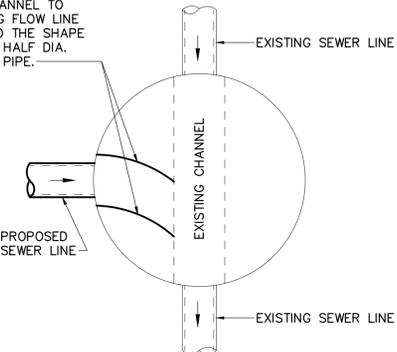
**WATER LINE THRUST BLOCK DETAILS**  
NOT TO SCALE

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

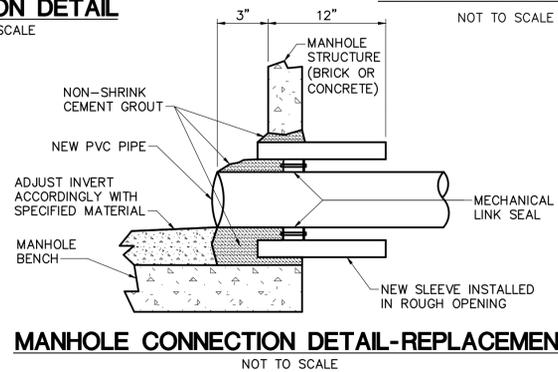
BLOCKING DIMENSIONS FOR PLUG OR CAP			
PIPE SIZE	DIMENSION b	DIMENSION h	DIMENSION
4"	2'-0"	2'-0"	2'-0"
6"	2'-0"	2'-0"	2'-0"
8"	3'-0"	3'-0"	3'-0"
10"	3'-6"	3'-6"	3'-6"

**CAST IRON BOOT DETAIL**  
NOT TO SCALE

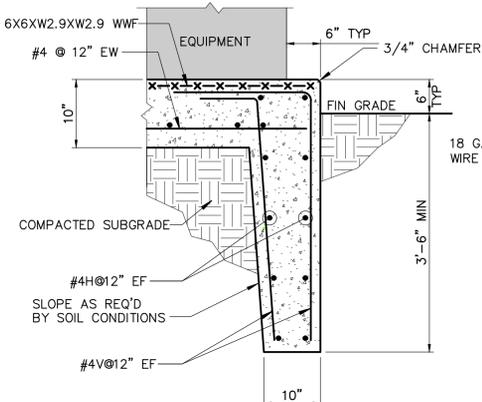
CAREFULLY REMOVE EXISTING CONCRETE AS REQUIRED, CONSTRUCT CHANNEL TO MATCH EXISTING FLOW LINE CONFORMING TO THE SHAPE OF THE LOWER HALF DIA. OF THE SEWER PIPE.



**EXISTING MANHOLE FLOW LINE DETAIL**  
NOT TO SCALE

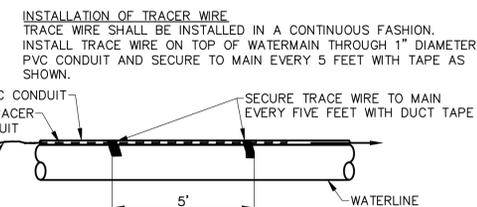


**MANHOLE CONNECTION DETAIL-REPLACEMENT**  
NOT TO SCALE



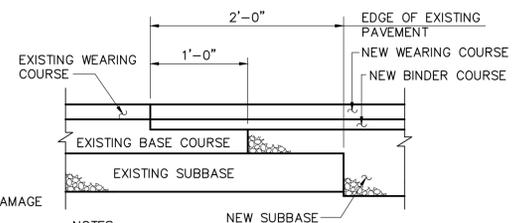
NOTES:  
1. PROVIDE EQUIPMENT PAD 6" LARGER THAN EQUIPMENT. TYP ALL SIDES.

**TYPICAL EXTERIOR EQUIPMENT PAD DETAIL**  
NOT TO SCALE



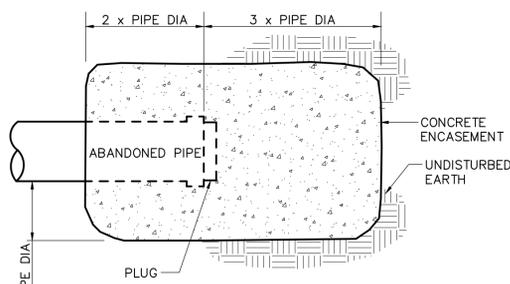
NOTES:  
BRING TRACE WIRE TO SURFACE AT EVERY VALVE BOX. TAKE CARE NOT TO DAMAGE THE WIRE COATING. REPAIR DAMAGE WITH ELECTRICAL TAPE.

**TRACER WIRE INSTALLATION ON PIPE DETAIL**  
NOT TO SCALE

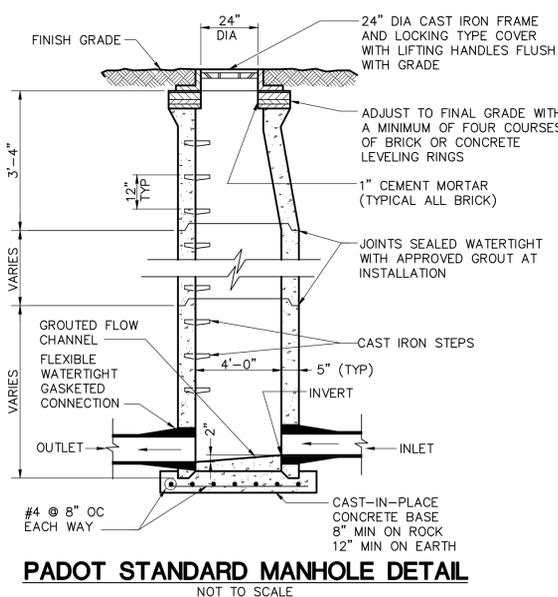


NOTES:  
• SAWCUT ALL JOINTS VERTICAL AND NEAT  
• PLACE TACK COAT ON EXISTING SAWCUT BITUMINOUS SURFACES AND EXISTING BASE  
• APPLY SEALER MATERIAL ALONG JOINT BETWEEN EXISTING AND NEW WEARING SURFACES

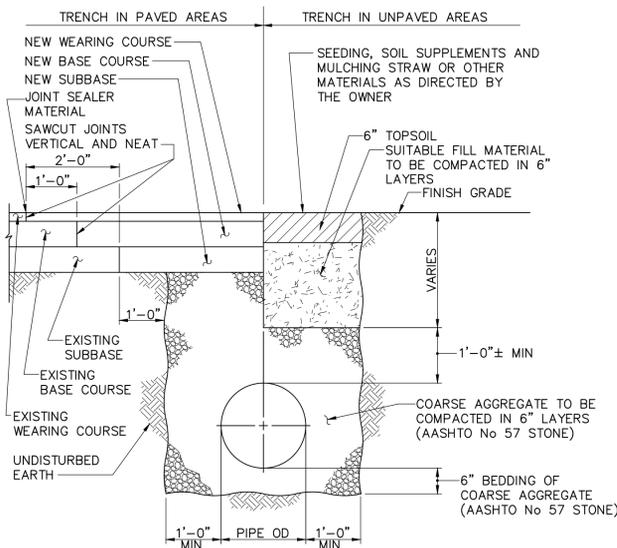
**ASPHALT PAVEMENT MATCH DETAIL**  
NOT TO SCALE



**ABANDONED UTILITY LINE END CAP DETAIL**  
NOT TO SCALE

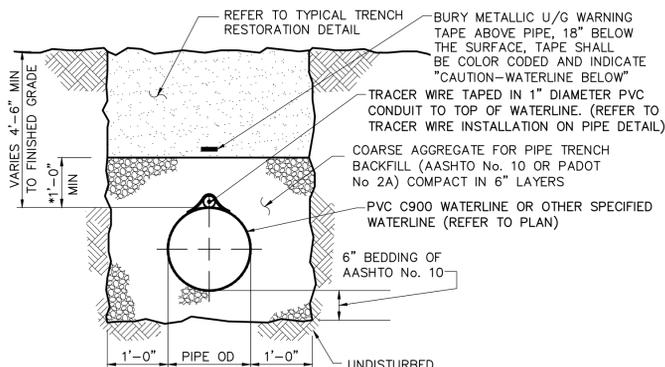


**PADOT STANDARD MANHOLE DETAIL**  
NOT TO SCALE



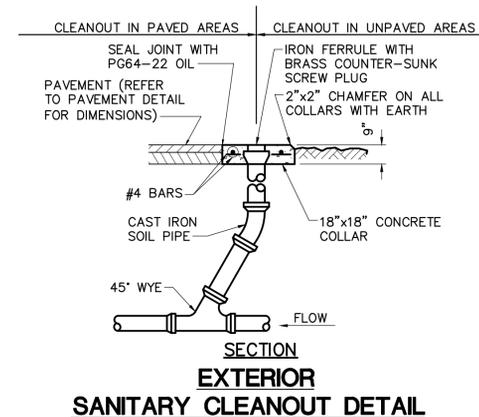
NOTES:  
• PLACE TACK COAT ON EXISTING SAWCUT BITUMINOUS SURFACES AND EXISTING BASE.  
• REFER TO SITE WORK DETAILS FOR NEW PAVEMENT THICKNESS.

**TYPICAL PIPE INSTALLATION AND TRENCH RESTORATION DETAIL**  
NOT TO SCALE



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



**SECTION EXTERIOR SANITARY CLEANOUT DETAIL**

**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.

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

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