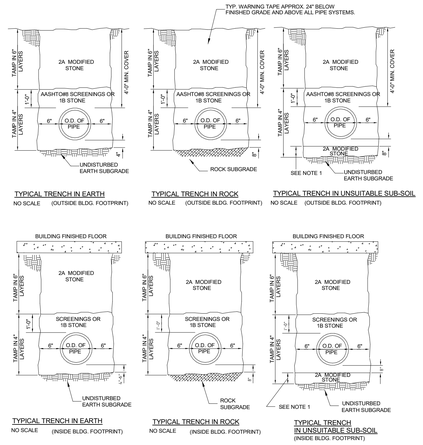


TYPICAL TRENCH IN EARTH
NO SCALE (OUTSIDE BLDG. FOOTPRINT)

TYPICAL TRENCH IN ROCK
NO SCALE (OUTSIDE BLDG. FOOTPRINT)

TYPICAL TRENCH IN UNSUITABLE SUB-SOIL
NO SCALE (OUTSIDE BLDG. FOOTPRINT)

TYPICAL TRENCH IN EARTH
NO SCALE (INSIDE BLDG. FOOTPRINT)

TYPICAL TRENCH IN ROCK
NO SCALE (INSIDE BLDG. FOOTPRINT)

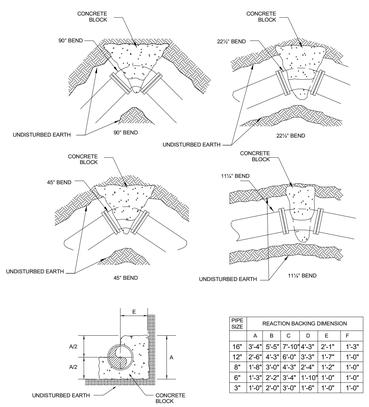
TYPICAL TRENCH IN UNSUITABLE SUB-SOIL
(INSIDE BLDG. FOOTPRINT)

1. MINIMUM 12", EXACT DEPTH TO BE DETERMINED BY ARCHITECT / ENGINEER IN FIELD BASED ON EXISTING UNSUITABLE SUB-SOIL CONDITION.

2. IT IS THE INTENT THAT THE MATERIALS EXCAVATED FROM THE TRENCHES IS NOT TO BE USED FOR TRENCH BACKFILL. REFER TO DETAILS ABOVE FOR APPROVED BACKFILL MATERIALS. RAW EXCAVATED MATERIALS MUST BE DISPOSED OF PROPERLY OFF SITE BY THIS CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

*WITHIN ROAD RIGHT-OF-WAYS, SURFACE RESTORATION, BACKFILL MATERIALS, AND METHODS SHALL MEET THE APPROPRIATE MUNICIPAL OR PENN-DOT REQUIREMENTS.

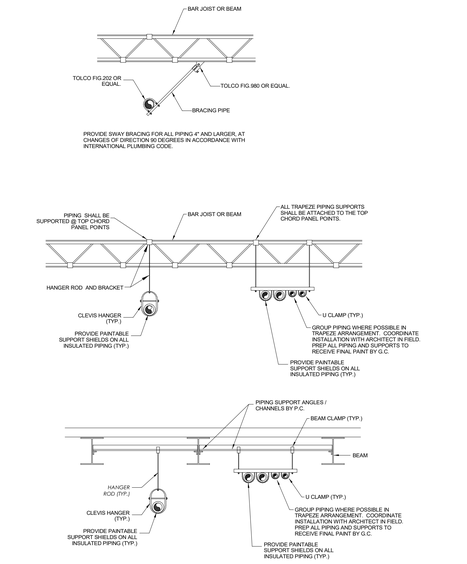
Typical Pipe Trench Details
Scale: None



PIPE SIZE	REACTION BACKING DIMENSION					
	A	B	C	D	E	F
16"	3'-4"	5'-5"	7'-10"	4'-3"	2'-1"	1'-3"
12"	2'-6"	4'-3"	6'-0"	3'-3"	1'-7"	1'-0"
8"	1'-8"	3'-0"	4'-3"	2'-4"	1'-2"	1'-0"
6"	1'-3"	2'-2"	3'-4"	1'-10"	1'-0"	1'-0"
3"	1'-0"	2'-0"	3'-0"	1'-6"	1'-0"	1'-0"

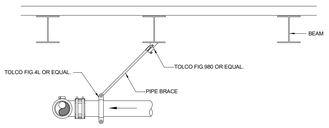
ALL FIRE PROTECTION SERVICE PIPING SHALL BE INSTALLED AND RESTRAINED IN ACCORDANCE WITH NFPA-24 REQUIREMENTS.

Typical Thrust Block Details
Scale: None



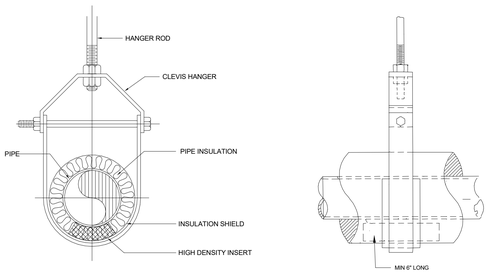
PROVIDE SWAY BRACING FOR ALL PIPING 4" AND LARGER, AT CHANGES OF DIRECTION 90 DEGREES IN ACCORDANCE WITH INTERNATIONAL PLUMBING CODE.

Typical Piping Support Details
Scale: None

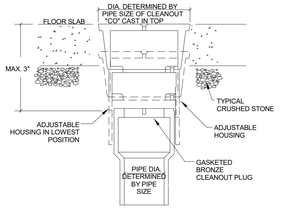


PROVIDE SWAY BRACING FOR ALL PIPING 4" AND LARGER, AT CHANGES OF DIRECTION GREATER THAN 45 DEGREES IN ACCORDANCE WITH INTERNATIONAL PLUMBING CODE. PROVIDE SWAY BRACING TO RESTRICT LATERAL MOVEMENT OF UPSTREAM PIPING.

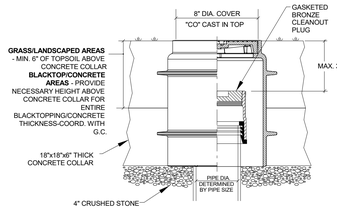
Typical Lateral Sway Brace Detail (Drainage Piping 4" and Larger)
Scale: None



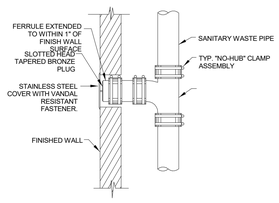
Typical Clevis Hanger Detail
Scale: None



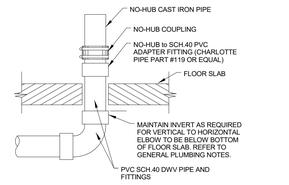
Typical Floor Cleanout Detail
Scale:None



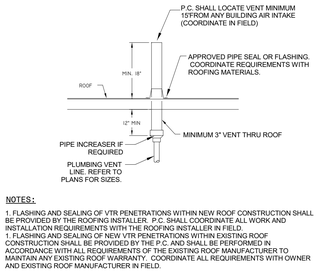
Typical Cleanout To Grade Detail
Scale:None



Typical Wall Cleanout Detail
Scale:None



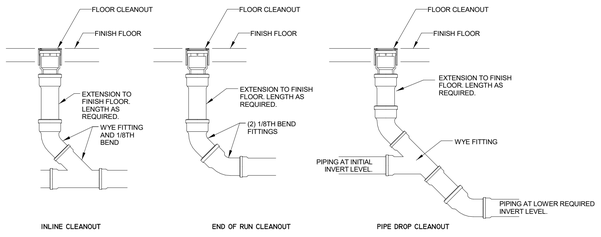
Typical No-Hub Cast Iron Above Slab to PVC Below Slab Transition
Scale:None



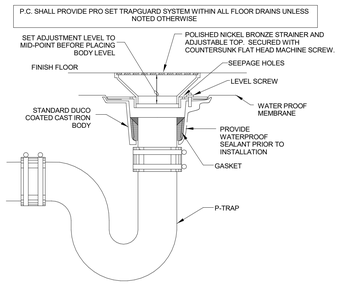
NOTES:

1. FLASHING AND SEALING OF VTR PENETRATIONS WITHIN NEW ROOF CONSTRUCTION SHALL BE PROVIDED BY THE ROOFING INSTALLER. P.C. SHALL COORDINATE ALL WORK AND INSTALLATION REQUIREMENTS WITH THE ROOFING INSTALLER IN FIELD..
1. FLASHING AND SEALING OF NEW VTR PENETRATIONS WITHIN EXISTING ROOF CONSTRUCTION SHALL BE PROVIDED BY THE P.C. AND SHALL BE PERFORMED IN ACCORDANCE WITH ALL REQUIREMENTS OF THE EXISTING ROOF MANUFACTURER TO MAINTAIN ANY EXISTING ROOF WARRANTY. COORDINATE ALL REQUIREMENTS WITH OWNER AND EXISTING ROOF MANUFACTURER IN FIELD.

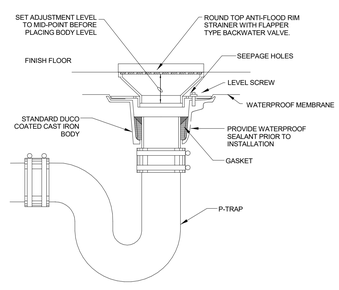
Vent Thru Roof Detail
Scale: None



Typical Floor Cleanout Connection/Installation Details
Scale: None



Typical Floor Drain Detail
Scale: None



Typical Condensate Drain Detail
Scale: None

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SEAL

Hampden Township Aquatics Center Improvements
5002 Hampden Park Dr
Mechanicsburg, PA 17050

REVISIONS

No.	Date	Description
	05.19.23	Issued for Permit

DRAWING TITLE
DETAILS - PLUMBING

PROJECT NUMBER
22.226

DRAWN BY
RAP

SCALE

DATE
05/19/2023

DRAWING NUMBER
P601

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