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alex.schenck@YonkersNY.gov

# CITY OF YONKERS

## Purchasing

Mike Spano, Mayor

Thomas E. Collich, Director

**TO: PROSPECTIVE BIDDERS**  
**FROM: ALEX SCHENCK, PRINCIPAL BUYER**

**MARCH 11, 2022 1 PAGE**

**Re: Addendum No. 2**  
**IFB-6748: Multiple Building Envelope Restorations – School 29 and PEARLS Hawthorne**

*The contents of this addendum alter and amend the original bid requirements and take precedence over the related items therein. This addendum forms a part of the contract documents. Proposers must acknowledge receipt of all addenda when submitting their bids. Failure to acknowledge receipt may render your bid as non-responsive and ineligible for award. Vendors are responsible for ensuring that they receive all addenda.*

**This addendum consists of One (1) page; Specification Section 22 1005 Plumbing Piping; Revised drawing PHSA432; and Sketch SK-PHS-P1.0.**

1. ***THE FOLLOWING ARE MODIFICATIONS, CLARIFICATIONS, DELETIONS OR ADDITIONS TO THE SPECIFICATIONS:***
  - a. **TABLE OF CONTENTS**  
ADD "22 1005 PLUMBING PIPING".
  - b. **SECTION 01 1000 – SUMMARY OF WORK**  
01 1000-4, 1.6 **REVISE** "...as indicated on drawing PHS P103..." to read "...as indicated on drawing PHS P100...".
  - c. **SECTION 22 1005 – PLUMBING PIPING**  
ADD specification section attached to this addendum.
  
2. ***THE FOLLOWING ARE MODIFICATIONS, CLARIFICATIONS, DELETIONS OR ADDITIONS TO THE DRAWINGS:***
  - a. **DRAWING PHS A432 – CONCRETE REPAIR DETAILS, PARTIAL BASEMENT PLAN & MISC. DETAILS**
    - Detail 2 **DELETE** in its entirety.
    - Workslope notes **REVISE** as indicated on the attached revised drawing.
  - b. **DRAWING PHS P100 – PARTIAL PLUMBING BASEMENT PLAN & DETAILS**  
ADD detail 4 as indicated on Sketch SK-PHS-P1.0 attached to this addendum.".

***The Bid due date remains 2:00 pm on April 1, 2022.***

### **IFB-6748 ADDENDUM No. 2 ACKNOWLEDGEMENT**

Please submit acknowledgements with your proposal

Bidding Firm: \_\_\_\_\_

Address: \_\_\_\_\_

Bidder's Representative: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**SECTION 22 1005  
PLUMBING PIPING**

**PART 1 GENERAL**

**1.1 SECTION INCLUDES**

- A. Pipe, pipe fittings, valves, and connections for piping systems.

**1.2 RELATED REQUIREMENTS**

- A. Section 22 1343 - Packaged Sump Pump System

**1.3 REFERENCE STANDARDS**

- A. ASME B16.3 - Malleable Iron Threaded Fittings: Classes 150 and 300; 2016.
- B. ASME B16.4 - Gray Iron Threaded Fittings: Classes 125 and 250; 2016.
- C. ASME B16.18 - Cast Copper Alloy Solder Joint Pressure Fittings; 2012.
- D. ASME B16.29 - Wrought Copper and Wrought Copper Alloy Solder Joint Drainage Fittings - DWV; 2012.
- E. ASME B31.9 - Building Services Piping; 2014.
- F. ASTM A47/A47M - Standard Specification for Ferritic Malleable Iron Castings; 1999, with Editorial Revision (2018).
- G. ASTM A53/A53M - Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless; 2018.
- H. ASTM A74 - Standard Specification for Cast Iron Soil Pipe and Fittings; 2017.
- I. ASTM B42 - Standard Specification for Seamless Copper Pipe, Standard Sizes; 2015a.
- J. ASTM C564 - Standard Specification for Rubber Gaskets for Cast Iron Soil Pipe and Fittings; 2014.
- K. AWWA C110/A21.10 - Ductile-Iron and Gray-Iron Fittings; 2012.
- L. CISPI 301 - Standard Specification for Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste and Vent Piping Applications; 2009 (Revised 2012).
- M. CISPI 310 - Specification for Coupling for Use in Connection with Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Applications; 2011 (Revised 2012).
- N. MSS SP-58 - Pipe Hangers and Supports - Materials, Design, Manufacture, Selection, Application, and Installation; 2009.

**1.4 SUBMITTALS**

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data on pipe materials, pipe fittings, valves, and accessories. Provide manufacturers catalog information. Indicate valve data and ratings.

**1.5 QUALITY ASSURANCE**

- A. Perform work in accordance with applicable codes.
- B. Identify pipe with marking including size, ASTM material classification, ASTM specification, potable water certification, water pressure rating.

**1.6 DELIVERY, STORAGE, AND HANDLING**

- A. Provide temporary end caps and closures on piping and fittings. Maintain in place until installation.
- B. Protect piping systems from entry of foreign materials by temporary covers, completing sections of the work, and isolating parts of completed system.

## **PART 2 PRODUCTS**

### **2.1 GENERAL REQUIREMENTS**

### **2.2 SANITARY SEWER PIPING, BURIED WITHIN 5 FEET OF BUILDING**

- A. Cast Iron Pipe: ASTM A74 extra heavy weight.
  - 1. Joints: Hub-and-spigot, CISPI HSN compression type with ASTM C564 neoprene gaskets or lead and oakum.
- B. Cast Iron Pipe: CISPI 301, hubless.
  - 1. Fittings: Cast iron.
  - 2. Joints: CISPI 310, neoprene gasket and stainless steel clamp and shield assemblies.

### **2.3 SANITARY SEWER PIPING, ABOVE GRADE**

- A. Cast Iron Pipe: CISPI 301, hubless, service weight.
  - 1. Fittings: Cast iron.
  - 2. Joints: CISPI 310, neoprene gaskets and stainless steel clamp-and-shield assemblies.
- B. Steel Pipe: ASTM A53/A53M Schedule 40, galvanized, using one of the following joint types:
  - 1. Threaded Joints: ASME B16.4 cast iron fittings.

### **2.4 FLANGES, UNIONS, AND COUPLINGS**

- A. Flanges for Pipe Size Over 1 Inch:
  - 1. Ferrous pipe: Class 150 malleable iron threaded or forged steel slip-on flanges; preformed neoprene gaskets.

### **2.5 PIPE HANGERS AND SUPPORTS**

- A. Provide hangers and supports that comply with MSS SP-58.
  - 1. If type of hanger or support for a particular situation is not indicated, select appropriate type using MSS SP-58 recommendations.
  - 2. Overhead Supports: Individual steel rod hangers attached to structure or to trapeze hangers.
  - 3. Trapeze Hangers: Welded steel channel frames attached to structure.
  - 4. Vertical Pipe Support: Steel riser clamp.

### **2.6 SWING BACKWATER CHECK VALVES**

- A. Manufacturers:
  - 1. Zurn Plumbing Products; Z1095.
- B. Over 8 Inches: (Match existing pipe size)
  - 1. Brass flapper
  - 2. Threaded brass gasketed cover
  - 3. Comply with ANSI A112.14.1

## **PART 3 EXECUTION**

### **3.1 PREPARATION**

- A. Ream pipe and tube ends. Remove burrs. Bevel plain end ferrous pipe.
- B. Remove scale and dirt, on inside and outside, before assembly.
- C. Prepare piping connections to equipment with flanges or unions.

### **3.2 INSTALLATION**

- A. Install in accordance with manufacturer's instructions.
- B. Route piping in orderly manner and maintain gradient. Route parallel and perpendicular to walls.
- C. Install piping to maintain headroom, conserve space, and not interfere with use of space.
- D. Pipe Hangers and Supports:

1. Install in accordance with ASME B31.9.

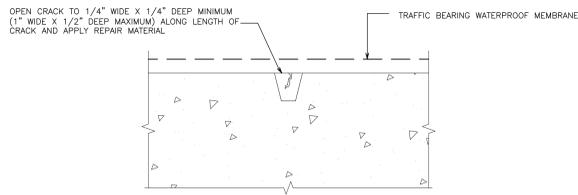
**3.3 APPLICATION**

- A. Install unions downstream of valves and at equipment or apparatus connections.
- B. Install gate valves for shut-off and to isolate equipment, part of systems, or vertical risers.

**3.4 TOLERANCES**

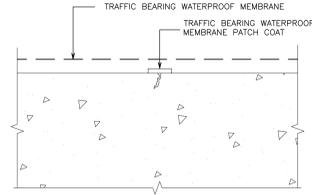
- A. Drainage Piping: Establish invert elevations within 1/2 inch vertically of location indicated and slope to drain at minimum of 1/4 inch per foot slope.

**END OF SECTION**



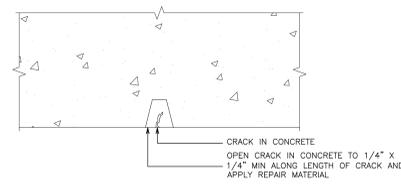
NOTE:  
APPLIES TO CRACKS WIDER THAN 1/16".  
REFER TO TOP OF SLAB/WALKWAY REPAIR NOTES FOR PROCEDURE.

**A TYPICAL WALKWAY CRACK REPAIR DETAIL**  
SCALE: N.T.S.



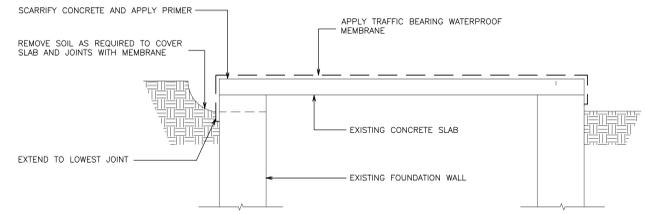
NOTE:  
APPLIES TO CRACKS 1/16" WIDE OR LESS.  
REFER TO TOP OF SLAB/WALKWAY REPAIR NOTES FOR PROCEDURE.

**B TYPICAL PATCH DETAIL**  
SCALE: N.T.S.



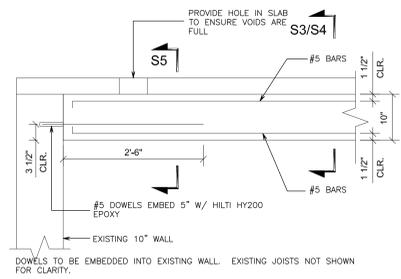
NOTE:  
REFER TO UNDERSIDE OF SLAB REPAIR NOTES FOR PROCEDURE.

**C TYPICAL TUNNEL ROOF CRACK REPAIR DETAIL**  
SCALE: N.T.S.

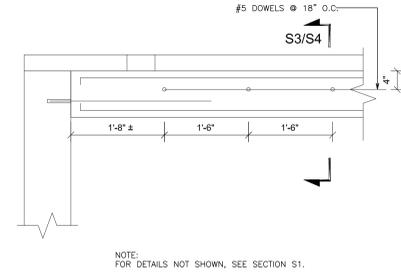


NOTE:  
WATERPROOF MEMBRANE TO BE APPLIED AFTER CONCRETE REPAIR. MEMBRANE MUST EXTEND PAST JOINT BETWEEN SLAB AND FOUNDATION WALL. REPLACE ANY REMOVED SOIL AFTER REPAIR MATERIAL CURES.

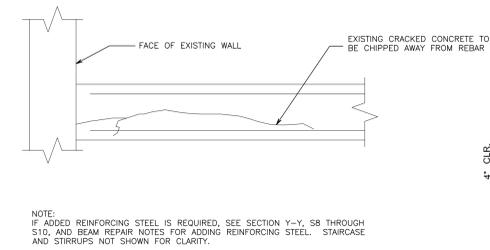
**D WALKWAY WATERPROOFING DETAIL**  
SCALE: N.T.S.



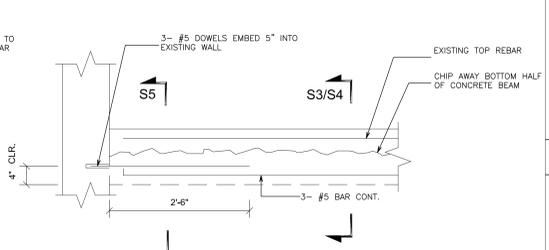
**S1 SECTION**  
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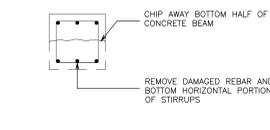
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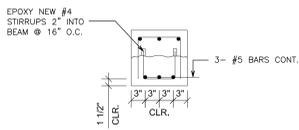
**XX BEAM REPAIR SECTION**  
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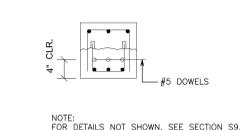
**YY BEAM REPAIR SECTION**  
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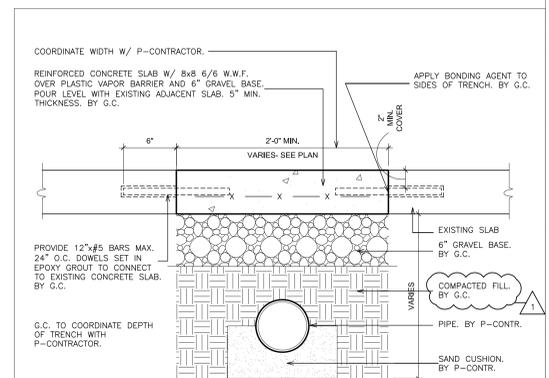
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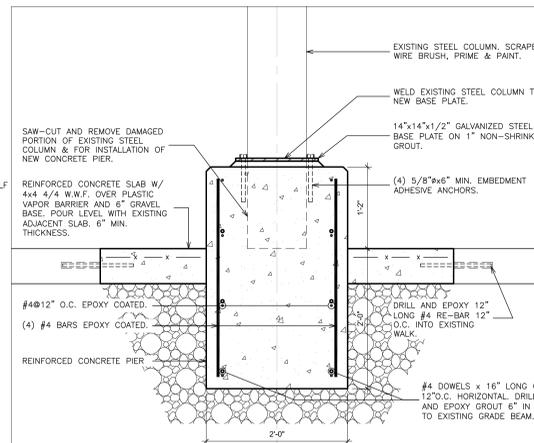
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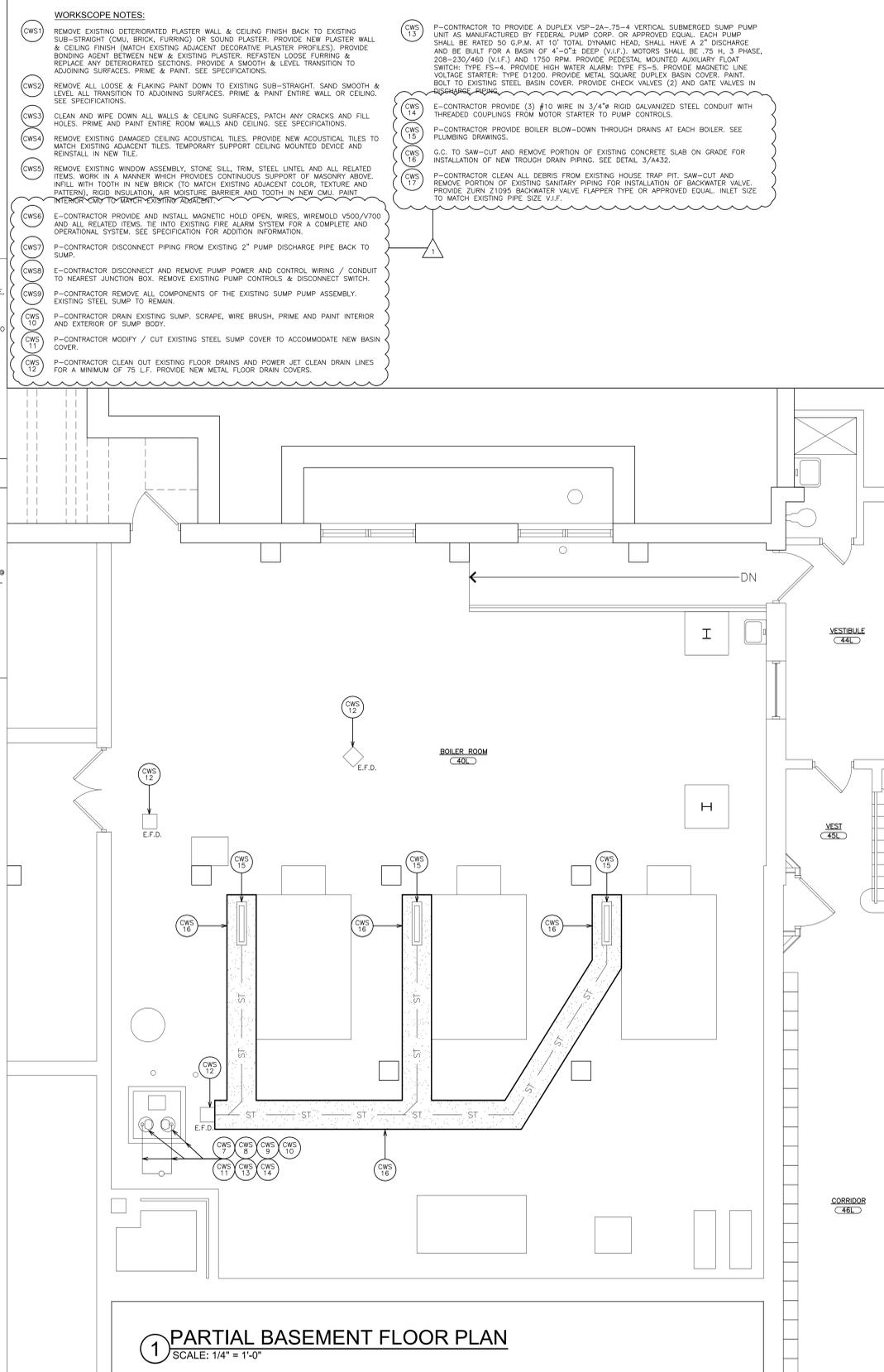
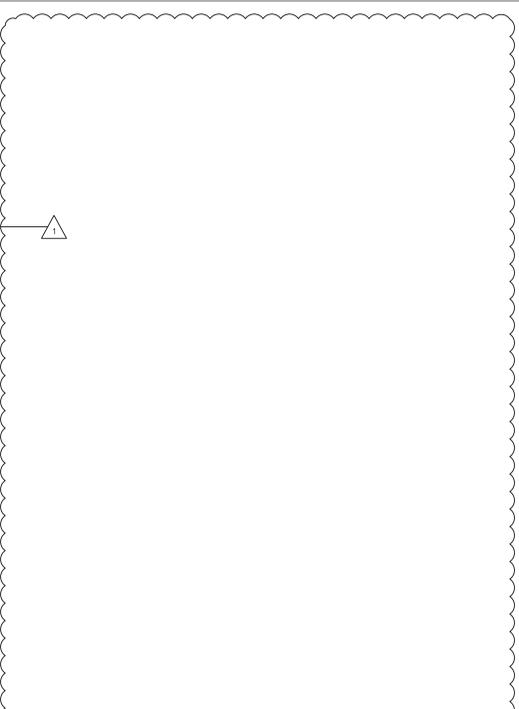
**S5 SECTION**  
SCALE: N.T.S.



**3 DETAIL - TRENCH**  
SCALE: 1 1/2" = 1'-0"



**4 COLUMN DETAIL**  
SCALE: 1" = 1'-0"



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FULLER & D'ANGELO ARCHITECTS & PLANNERS

S.E.D. CONTROL NUMBER:  
66-23-00-01-029-011  
PEARLS HAYTHORNE SCHOOL  
66-23-00-01-01-008

PROJECT TITLE:  
YONKERS SCHOOL DISTRICT  
MULTIPLE BUILDING ENVELOPE RENOVATIONS  
SCHOOLS 208 PEARLS HAYTHORNE SCHOOL

DRAWING TITLE:  
CONCRETE REPAIR DETAILS PARTIAL  
BASEMENT FLOOR & MISCELLANEOUS DETAILS

DATE: 03-14-2022  
ADDENDUM

DATE: 02-16-2022  
BID

DATE: 10-11-2019  
DESIGN DEVELOPMENT

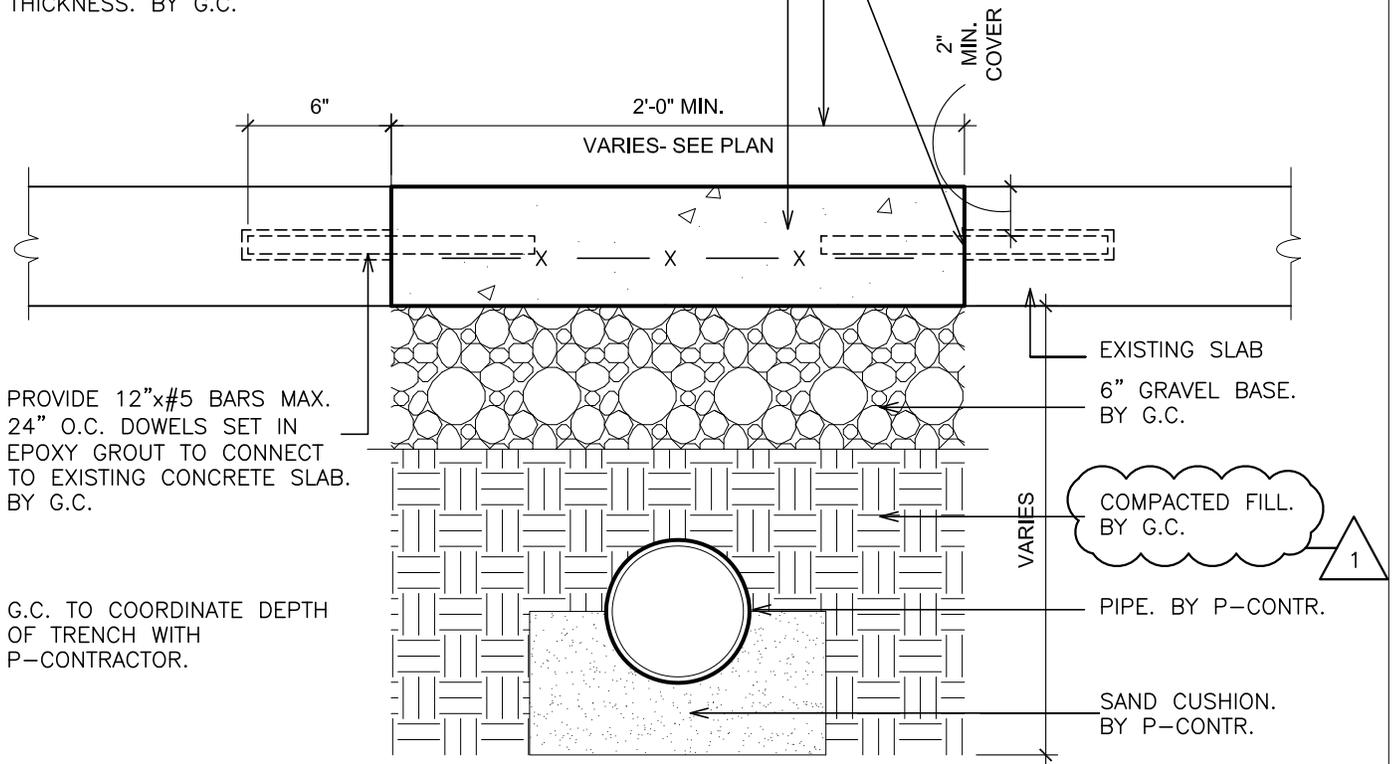
DATE: ISSUED TO

SHEET SIZE: 30"x42"  
SCALE: AS NOTED  
DRAWING NO.: PHS  
SCALE: A432  
DRAWN BY: F & D  
FILE NO.: 19354.07

COORDINATE WIDTH W/ P-CONTRACTOR.

REINFORCED CONCRETE SLAB W/ 8x8 6/6 W.W.F.  
OVER PLASTIC VAPOR BARRIER AND 6" GRAVEL BASE.  
POUR LEVEL WITH EXISTING ADJACENT SLAB. 5" MIN.  
THICKNESS. BY G.C.

APPLY BONDING AGENT TO  
SIDES OF TRENCH. BY G.C.



# 4 DETAIL - TRENCH

SCALE: 1 1/2" = 1'-0"

PS 29: 66-23-00-01-0-029-011 / PEARLS HAWTHORNE SCHOOL: 66-23-00-01-0-101-008

**FULLER  
D'ANGELO  
P.C.**  
**ARCHITECTS  
PLANNERS**

**NOTE:**  
ALL INFORMATION ON ORIGINAL CONTRACT DOCUMENT SHALL PERTAIN UNLESS SPECIFICALLY CHANGED BY THIS DRAWING.

**JOB NAME:**  
YONKERS SCHOOL DISTRICT  
MULTIPLE BUILDING ENVELOPE RENOVATIONS  
AND RELATED WORK GROUP 'B' AT  
SCHOOL 29 & PEARLS HAWTHORNE SCHOOL

**ADDRESS**

**DRAWING TITLE:**  
TRENCH DETAILS  
{REF. DWG. PHS-P100}

03-14-2022	ADDENDUM
DATE	ISSUED TO
SCALE:	AS NOTED
FILE NO.	DRAWING NO.
<b>19354.07</b>	<b>SK-PHS-P1.0</b>