

Addendum #1 IFB 22-10



CITY OF SOMERVILLE, MASSACHUSETTS
Department of Purchasing
JOSEPH A. CURTATONE
MAYOR

To: Engine 7 Floor Slab and Drain Repair Project
From: Andrea Caruth, Assistant Director of Purchasing
Date: August 10, 2021
Re: Response to requests for information

Addendum No. 1 to IFB 22-10

The Plumbing Drawings were not included in the published drawings set. The 2 sheets attached, P-001, P-002 & P-100 shall be added to the drawings set. **This addendum consists of this 1 page and 3 Drawing pages.**

****This addendum changes the drawings. Failure to acknowledge this addendum will result in bid disqualification.****

NAME OF COMPANY / INDIVIDUAL: _____

ADDRESS: _____

CITY/STATE/ZIP: _____

TELEPHONE/FAX/EMAIL: _____

SIGNATURE OF AUTHORIZED INDIVIDUAL: _____

ACKNOWLEDGEMENT OF ADDENDA:

Addendum #1 _____ **#2** _____ **#3** _____ **#4** _____



BLW Engineers, Inc.

311 Great Road, Post Office Box 1551
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BLW Job #: XXXXX
HVAC * Electrical * Plumbing * Fire Protection

GENERAL NOTES

- 1. ALL PLUMBING WORK SHALL BE DONE IN ACCORDANCE WITH THE MASSACHUSETTS STATE FUEL GAS AND PLUMBING CODE, LATEST ACCEPTED EDITION.
2. CAREFULLY COORDINATE LOCATION OF PIPING WITH ALL OTHER TRADES.
3. ALL PIPING SHOWN DIAGRAMMATICALLY AND EXACT LOCATION SHALL BE DETERMINED IN THE FIELD.
4. ALL PIPING SHALL BE RUN CONCEALED ABOVE CEILINGS, IN WALLS AND IN CHASES, UNLESS OTHERWISE NOTED.
5. NO STRUCTURAL MEMBERS SHALL BE CUT WITHOUT THE APPROVAL OF THE STRUCTURE ENGINEER.
6. ALL PIPING SHALL BE SUPPORTED FROM BUILDING STRUCTURE.
7. THE TERM "PROVIDE" SHALL MEAN FURNISH AND INSTALL.
8. RUN WATER PIPE ON THE WARM SIDE OF BUILDING INSULATION. NO WATER PIPING SHALL BE RUN ON EXTERIOR WALLS.
9. PROVIDE DRAFFOFFS WITH BALL VALVE, HOSE END VACUUM BREAKER, CAP & CHAIN AT ALL DOMESTIC WATER LOW POINTS AND PITCH PIPING TO DRAIN.
11. WHERE DIFFERENT SIZES ARE SHOWN ON PLANS, THE LARGER SIZE SHALL SUPERCEDE.
12. LAUNDRY STACK HORIZONTAL OFFSETS SHALL RUN A MINIMUM 10-STACK PIPE DIAMETER PRIOR TO CONNECTION TO SANITARY/WASTE MAIN AND/OR BRANCH.
13. PROVIDE BALANCING VALVES ON THE HOT WATER RE-CIRCULATION SYSTEM AS REQUIRED, AND/OR AS SHOWN.
14. PROVIDE DANDY CLEAN-OUT AT THE BOTTOM OF ALL SANITARY AND STORM DRAIN STACKS. PROVIDE ACCESS PANEL WHERE REQUIRED. DANDY CLEAN-OUT SHALL BE LOCATED AT MINIMUM 0-6" ABOVE FLOOR.
15. PROVIDE SHOCK ABSORBERS ON ALL PIPING SERVICING FLUSH VALVE FIXTURES.
16. ACCESSIBLE CLEANOUTS SHALL BE PROVIDED AT THE BOTTOM OF ALL STACKS/RISERS.
17. ALL PIPING SHALL BE NEW, INSTALLED PARALLEL TO BUILDING LINES AND PITCHED TO LOW POINTS.
18. PLUMBING CONTRACTOR SHALL PROVIDE FIRESTOPPING FOR ALL PENETRATIONS THRU FIRE WALLS AND FIRE RATED SEPARATIONS. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR THESE AREAS.
19. PLUMBING CONTRACTOR SHALL FURNISH, INSTALL AND MAINTAIN ALL SCAFFOLDING, HOISTING EQUIPMENT DERRICKS, ETC., NECESSARY FOR INSTALLATION OF WORK.
20. ALL PLUMBING PIPING AND DRAINS SHALL BE KEPT CLEAR OF BLOCKAGE WHILE CONSTRUCTION IS UNDERWAY. ALL PLUMBING PIPING SHALL BE DEBURRED BEFORE JOINTS ARE MADE.
21. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL CUTTING AND PATCHING IN ORDER TO ACCOMMODATE THE PLUMBING WORK.
22. WHERE PLUMBING DROPS ONLY ARE SHOWN TO FIXTURES OR GROUPS OF FIXTURES, THE PLUMBING CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS OF WATER, SANITARY AND VENT TO EACH FIXTURE. PLUMBING CONNECTIONS TO FIXTURES SHALL BE IN ACCORDANCE WITH THE PLUMBING FIXTURE SCHEDULE. PROVIDE SERVICE STOP AT EACH FIXTURE.
23. ALL ISOLATION VALVES, BALANCING VALVES AND BUTTERFLY VALVES INSTALLED IN WALLS OR ABOVE CEILINGS SHALL BE PROVIDED WITH ACCESS PANELS. WHERE REMOVABLE SUSPENDED CEILING TILES ARE USED, NO ACCESS PANELS ARE REQUIRED.
24. ALL PIPING RISER PENETRATIONS THRU FLOORS SHALL BE SEALED WATER TIGHT.
25. SOME VENT PIPING MAY NOT BE SHOWN FOR CLARITY PURPOSES. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING VENT PIPING AS NOTED IN RISER DIAGRAMS, PART PLANS AND IN ACCORDANCE WITH 248 CMR.
26. GARAGE DRAINAGE VENT PIPING SYSTEM SHALL RUN TO ROOF INDEPENDENTLY OF SANITARY SEWER VENT PIPING SYSTEM.
27. ALL VENT THRU ROOF PIPING SHALL BE LOCATED NO LESS THAN 2'-0" FROM ALL FRESH AIR INTAKE. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING VENT PIPING AT LEVELS 4 AND 5, AND COMBINE VENT PIPING TO THE EXTENT POSSIBLE PRIOR TO ROOF PENETRATION. VENT PIPING SHALL BE IN STRICT ACCORDANCE WITH 248 CMR MASSACHUSETTS STATE PLUMBING CODE.

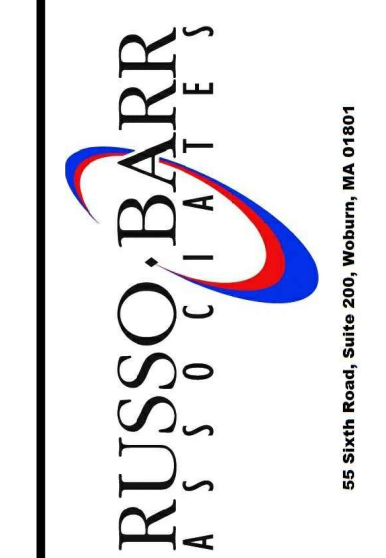
DEMOLITION NOTES

- 1. PLUMBING CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH ALL EXISTING ELEMENTS OF CONSTRUCTION PRIOR TO COMMENCING DEMOLITION WORK. ALL WORK SHALL COMPLY WITH APPLICABLE REQUIREMENTS OF MASSACHUSETTS BUILDING CODE, AND HEALTH REGULATIONS AND BE PERFORMED IN SUCH A MANNER AS TO ENSURE HUMAN SAFETY.
2. ALL ITEMS TO BE RE-USED SHALL BE CAREFULLY REMOVED FREE OF DAMAGE AND STORED IN A SECURE LOCATION.
3. ALL EXISTING PLUMBING PIPING TO BE REMOVED SHALL BE CAPPED AT A POINT NEAREST ACTIVE MAIN, OR AT POINT OF ORIGIN.
4. ALL DEMOLITION SHALL BE PERFORMED IN SUCH A MANNER AS TO MINIMIZE DAMAGE TO CONSTRUCTION THAT IS TO REMAIN.
5. PLUMBING CONTRACTOR SHALL COORDINATE WITH BUILDING MANAGER/OWNER ON SHUTDOWN TIME WHEN WORKING ON EXISTING SYSTEMS.
6. PLUMBING CONTRACTOR SHALL RECOGNIZE THAT THE BUILDING MIGHT REMAIN OCCUPIED THROUGHOUT DEMOLITION AND SHALL USE EVERY EFFORT AND MEANS POSSIBLE TO MINIMIZE NOISE CAUSED BY THE DEMOLITION OPERATIONS.
7. REMOVAL OF EXISTING PLUMBING FIXTURES/EQUIPMENT SHALL INCLUDE, BUT NOT LIMITED TO, UTILITY PIPING, FITTINGS, ACCESSORIES AND SUPPORT. REMOVAL, WHERE NECESSARY, SHALL BE COORDINATED WITH OTHER TRADES.
8. ALL WORK RELATED TO DEMOLITION SHALL BE CAREFULLY COORDINATED WITH OWNER, ARCHITECT, AND OTHER TRADES.
9. ABATEMENT AND/OR REMOVAL OF ASBESTOS AND HAZARDOUS MATERIALS SHALL BE CAREFULLY COORDINATED WITH THE GENERAL CONTRACTOR.

PLUMBING LEGEND & ABBREVIATIONS

Table with 4 columns: Symbol, Abbreviation, Description, and Additional Abbreviation. Includes symbols for CW (Cold Water Above/Below Floor), SAN OR W (Sanitary Waste), GW (Garage Waste Above Floor), TP (Trap Primer Supply Above Floor), CO (Cleanout), WCO (Wall Cleanout - Provide Access Panel), Capped Pipe, Union, Flow Arrow, Direction of Slope, Pipe Break, Pipe Sleeve, Pipe Guide, Pipe Anchor, Ball Valve, Ball Valve - Normally Closed, Gas Shut Off Valve, RPBP (Reduced Pressure Zone Backflow Preventer), TP (Trap Primer Valve), Elbow Up/Down, Tee Drop, Open-End Drain, HB (Hose Bibb), WH (Wall Hydrant), CTE (Connect to Existing Piping), FD (Floor Drain), RD (Roof/Area Drain), Keynote Designation, HC (Handicapped Accessible), and Revision Cloud.

Table with 4 columns: NO., DATE, BY, DESCRIPTION. Header row: NO., DATE, BY, DESCRIPTION. Body rows: empty.

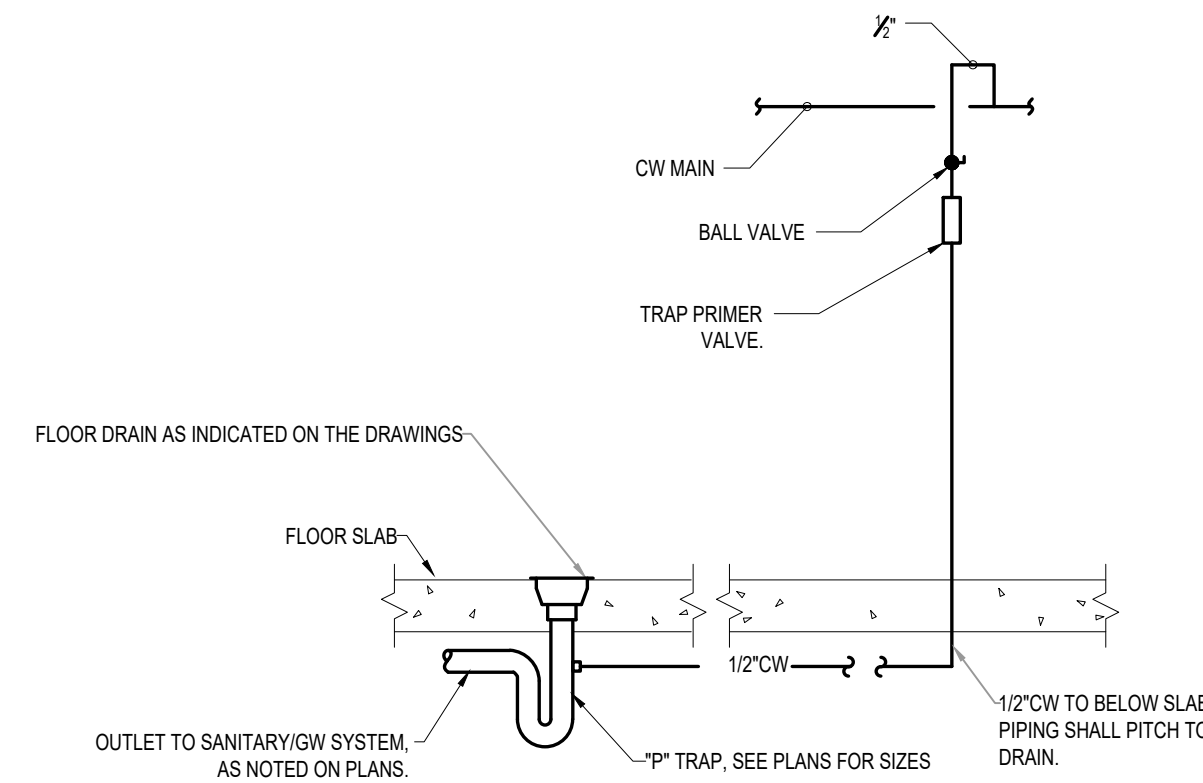


FLOOR SLAB & DRAINAGE REPAIR PROJECT
SOMERVILLE ENGINE #7
265 HIGHLAND AVENUE
SOMERVILLE, MASSACHUSETTS
PLUMBING LEGEND, NOTES, AND ABBREVIATIONS

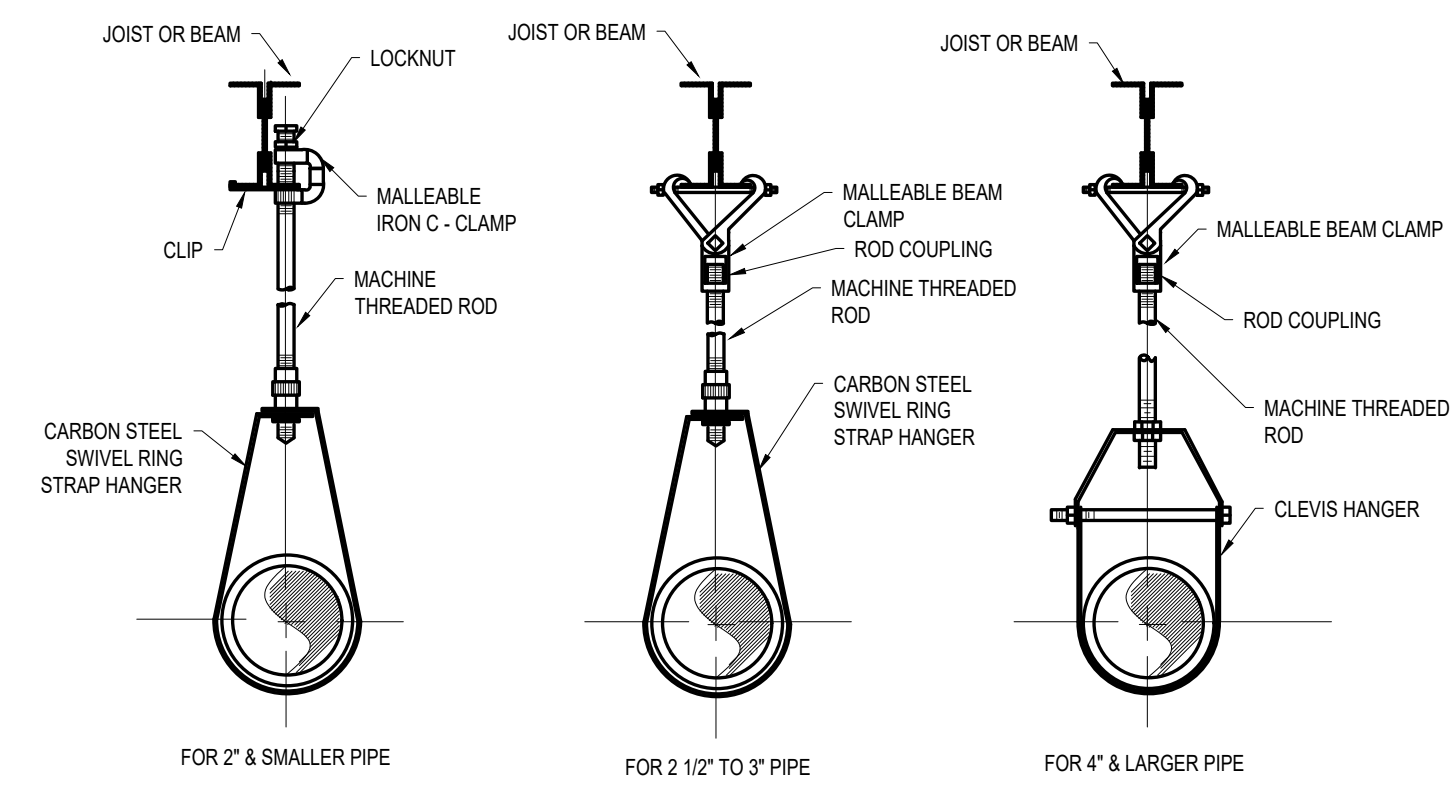
Table with 2 columns: Field Name, Value. Fields: DATE (07.10.20), SCALE (AS NOTED), DRAWN BY / CHECKED BY (JK / CM), PROJECT NO (2018008), DRAWING NO (P-001).

P-001

NOTE:
 1. TRAP PRIMER SHALL BE BY PRECISION PLUMBING PRODUCT, MI-FAB, SIOUX CHIEF OR APPROVED EQUAL.
 2. INSTALL TRAP PRIMER AS CLOSE TO WALL AS POSSIBLE.
 3. PROVIDE TRAP PRIMER DISTRIBUTION UNITS AS REQUIRED.
 4. TRAP PRIMERS SHALL BE PROVIDED WHERE REQUIRED AND/OR WHERE SHOWN ON PLANS.
 5. ALL FLOOR DRAINS SHALL BE PROVIDED WITH TRAP PRIMER, EXCEPT FLOOR DRAIN RECEIVING KITCHEN EQUIPMENT INDIRECT WASTE.



2 TYPICAL TRAP PRIMER AT FLOOR DRAIN
 P-001 NOT TO SCALE



NOTE:
 1. HANGER ROD SHALL BE INSTALLED PER MANUFACTURER'S GUIDELINES.
 2. PROVIDE 1'-0\"/>

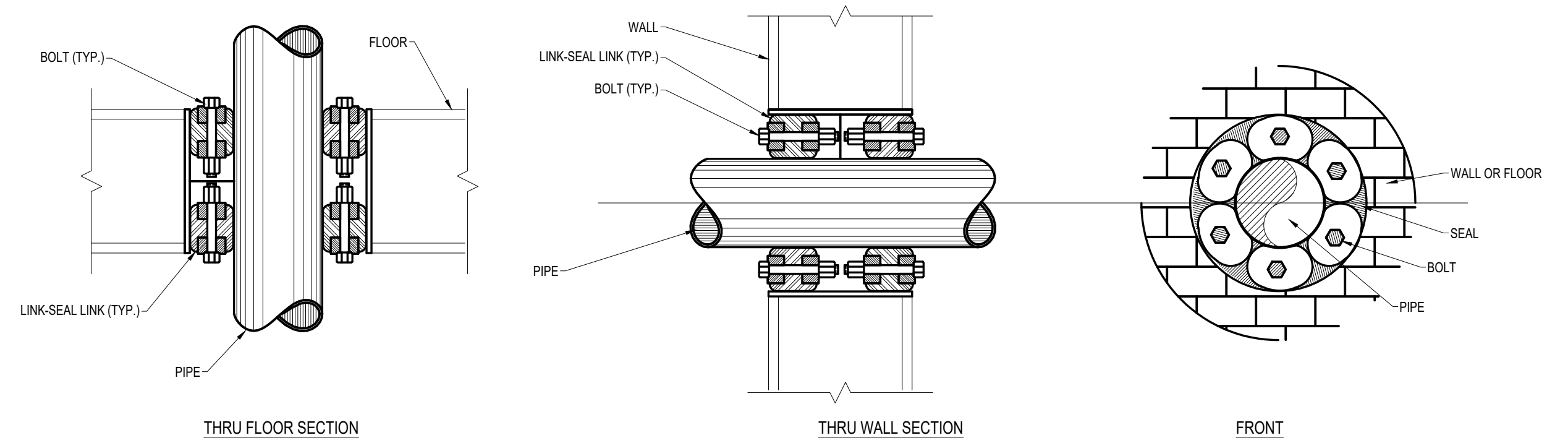
3 BAND HANGER
 P-001 NOT TO SCALE

DRAIN SCHEDULE					
TAG NO	TYPE	MANUFACTURER	MODEL	STRAINER	REMARKS
GD-A	GARAGE FLOOR DRAIN	WATTS	FD-450-5-6	F1460	PROVIDE WITH DUCTILE IRON GRATE, SEDIMENT BUCKET, VANDAL PROOF. PROVIDE TRAP GUARD AND/OR TRAP PRIMER CONNECTION, AS NOTED ON PLANS.

NOTES: DRAIN SHALL BE BY WATTS, J.R. SMITH, JOSAM, ZURN, OR APPROVED EQUAL.

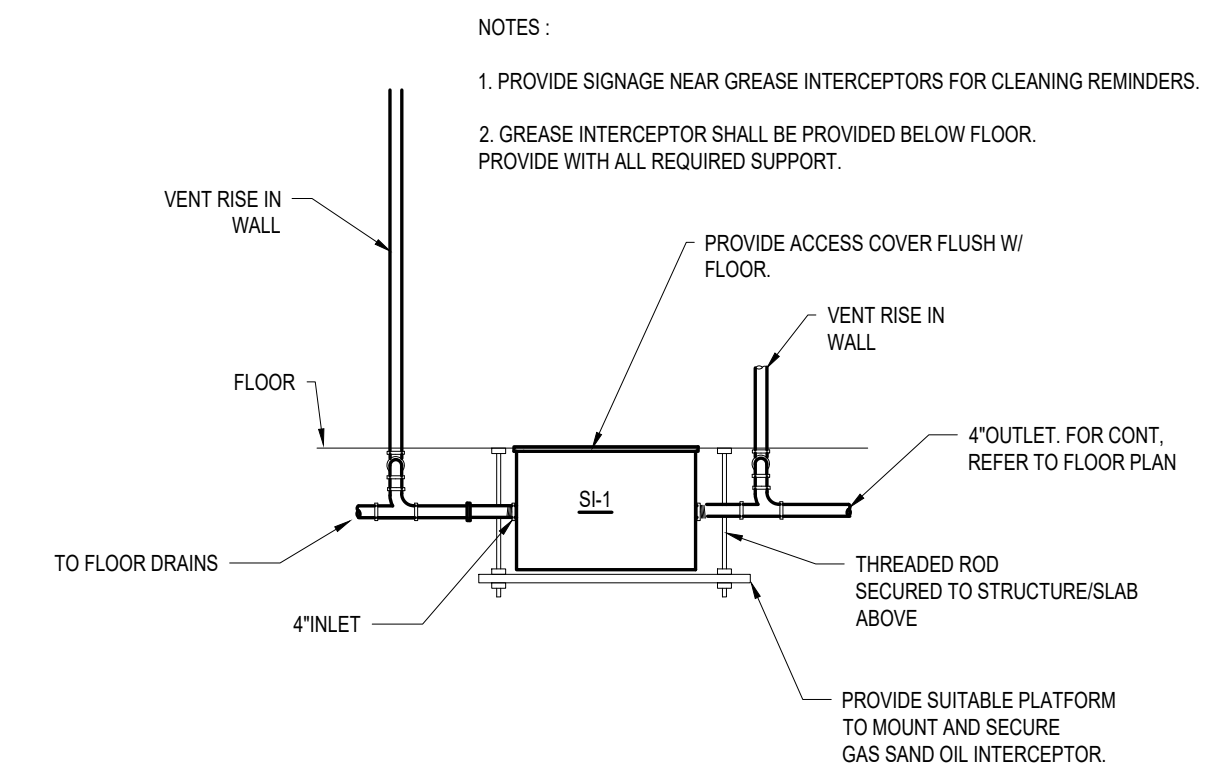
GAS/SAND/OIL INTERCEPTOR SCHEDULE						
TAG NO	MANUFACTURER	MODEL	CAPACITY (GAL.)	INLET	OUTLET	REMARKS
SI-1	MIFAB	MI-SO-0-HD-FLM-C	109	4"	4"	PROVIDE W/ VENT CONNECTION, HEAVY DUTY LID, EXTENSION AS REQUIRED, ANCHOR FLANGE AND MEMBRANE CLAMP. PROVIDE SUPPORT, AS REQUIRED.

NOTES: INTERCEPTOR SHALL BE BY MIFAB, J.R. SMITH, JOSAM, OR APPROVED EQUAL. INTERCEPTOR SHALL BE INSTALLED PER ALL APPLICABLE CODES, AND MANUFACTURER'S RECOMMENDATIONS. COORDINATE EXTENSION HEIGHT ON THE FIELD, AS REQUIRED. INTERCEPTOR SHALL BE EQUIPPED WITH INTEGRAL SEWER GAS STOPPER.



NOTE:
 1. INSTALL LINK-SEAL ON BOTH ENDS OF THE CORE DRILLED OPENING.
 2. PROVIDE PROTECTIVE SLEEVE, COATING & WRAPPING ON PIPING PENETRATING THRU CONCRETE.

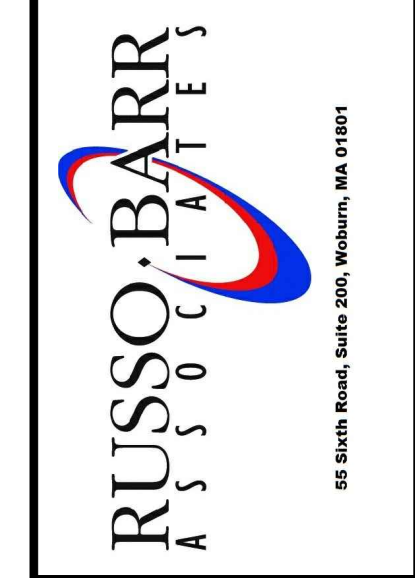
4 PIPE SLEEVES THRU WALL / FLOOR
 P-001 NOT TO SCALE



NOTES:
 1. PROVIDE SIGNAGE NEAR GREASE INTERCEPTORS FOR CLEANING REMINDERS.
 2. GREASE INTERCEPTOR SHALL BE PROVIDED BELOW FLOOR. PROVIDE WITH ALL REQUIRED SUPPORT.

1 GAS SAND OIL INTERCEPTOR DETAILS
 P-001 NOT TO SCALE

NO	DATE	BY	DESCRIPTION

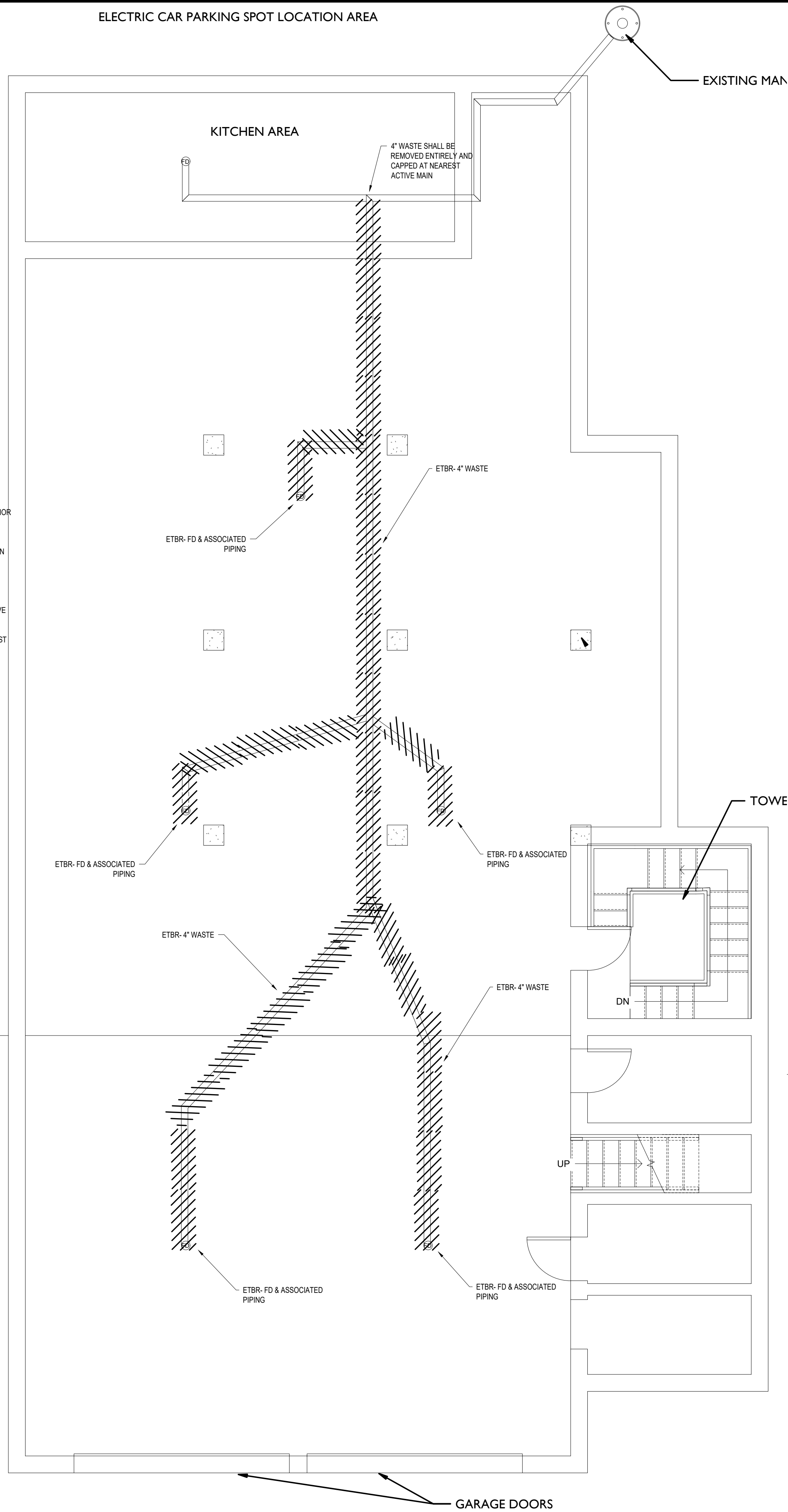


FLOOR SLAB & DRAINAGE REPAIR PROJECT
 SOMERVILLE ENGINE #7
 265 HIGHLAND AVENUE
 SOMERVILLE, MASSACHUSETTS
 PLUMBING SCHEDULES AND DETAILS

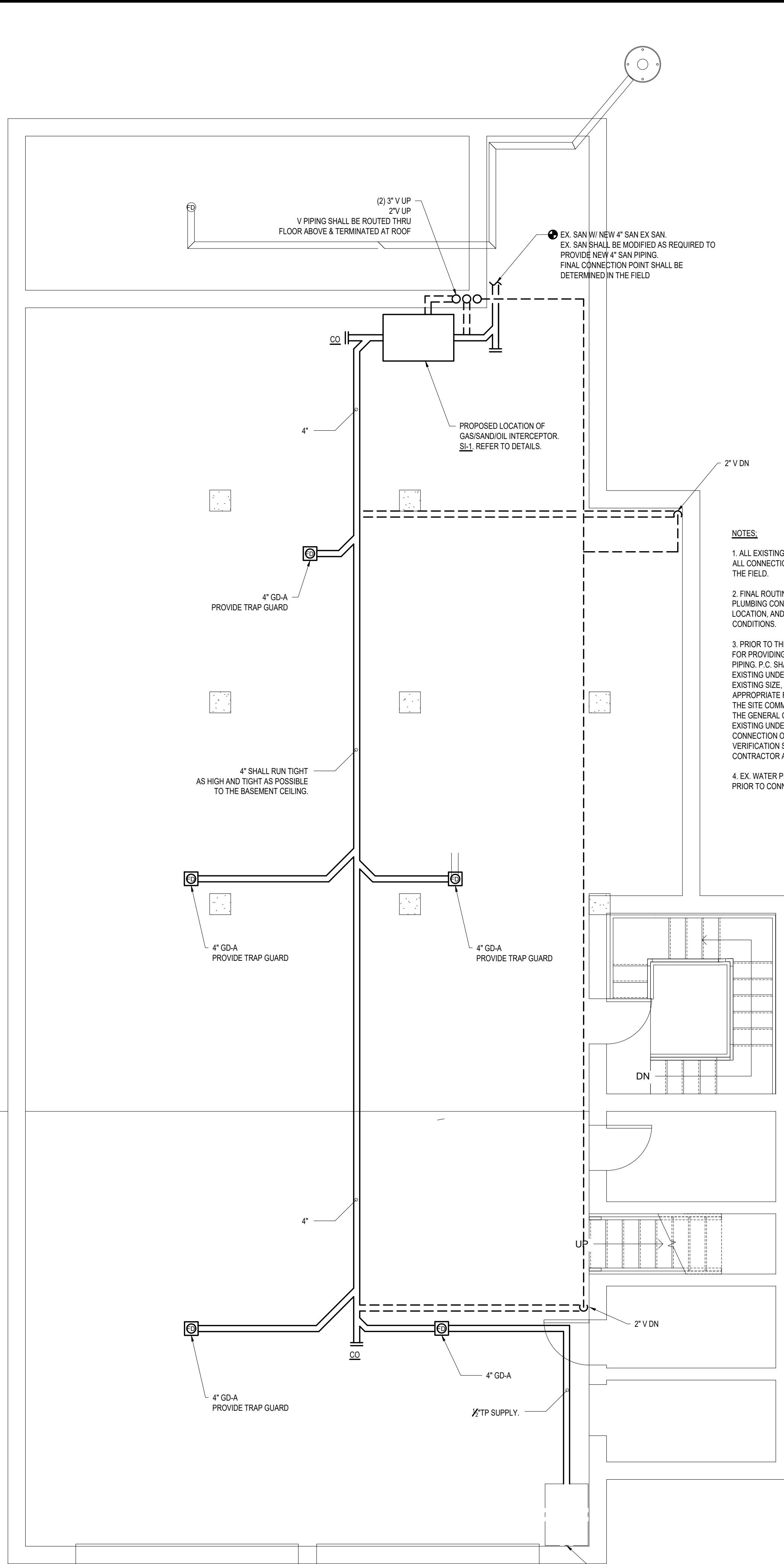
DATE: 07.10.20
 SCALE: AS NOTED
 DRAWN BY / CHECKED BY: JK / CM
 PROJECT NO: 2018008
 DRAWING NO:

P-002

ELECTRIC CAR PARKING SPOT LOCATION AREA



1 Demolition Plan
 SCALE: 1/4"=1'-0"

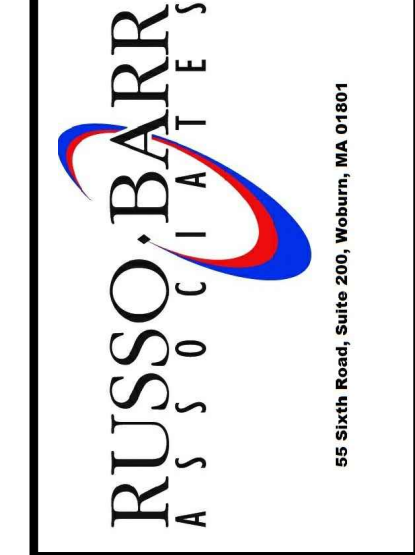


2 New Work Plan
 SCALE: 1/4"=1'-0"

- NOTES:
1. ALL EXISTING PIPING SHALL BE FIELD VERIFIED.
 2. PLUMBING FIXTURE SHALL BE SAFELY DISCONNECTED FROM UTILITY PIPING PRIOR TO REMOVAL. REMOVAL SHALL BE COORDINATED WITH OTHER TRADES, WHERE REQUIRED.
 3. PLUMBING CONTRACTOR SHALL COMPLETE ALL REQUIRED DEMOLITION WORK IN ORDER TO ACCOMMODATE NEW ARCHITECTURAL LAYOUT.
 4. PLUMBING DEMOLITION SCOPE OF WORK SHALL BE COORDINATED WITH ARCHITECTURAL PLANS.
 5. EXISTING WASTE PIPING SHALL BE RODDED, FLUSHED AND CLEANED TO ACHIEVE FULL FLOW, PRIOR TO CONNECTION TO NEW WASTE PIPING.
 6. PIPING TO BE REMOVED SHALL BE REMOVED ENTIRELY AND CAPPED AT NEAREST ACTIVE PIPING MAIN.

- NOTES:
1. ALL EXISTING PIPING SHALL BE VERIFIED IN THE FIELD. ALL CONNECTION BETWEEN NEW PIPING AND EXISTING PIPING SHALL BE DETERMINED IN THE FIELD.
 2. FINAL ROUTING OF ALL PIPING SHALL BE COORDINATED AND DETERMINED IN THE FIELD. PLUMBING CONTRACTOR SHALL VERIFY ALL EXISTING PIPING INVERT ELEVATION AND LOCATION, AND SHALL MODIFY/EXTEND PLUMBING SYSTEMS AS REQUIRED PER EXISTING CONDITIONS.
 3. PRIOR TO THE COMMENCEMENT OF ANY WORK AT THE SITE P.C. SHALL BE RESPONSIBLE FOR PROVIDING A SEWER CAMERA SERVICE TO INSPECT THE EXISTING UNDERGROUND SAN PIPING. P.C. SHALL VERIFY THE EXACT SIZE, LOCATION AND INVERT ELEVATION OF THE EXISTING UNDERGROUND SAN VIA THE USE OF THE SEWER CAMERA SERVICE. ONCE THE EXISTING SIZE, LOCATION AND INVERT ELEVATIONS HAVE BEEN VERIFIED TO BE APPROPRIATE FOR THE CONNECTION OF THE NEW WORK, ONLY THEN SHALL ANY WORK AT THE SITE COMMENCE. THE PLUMBING CONTRACTOR SHALL COORDINATE THIS EFFORT WITH THE GENERAL CONTRACTOR TO ENSURE THAT NO WORK AT THE SITE BEGINS UNTIL THE EXISTING UNDERGROUND CONDITIONS ARE VERIFIED TO BE APPROPRIATE FOR THE CONNECTION OF THE NEW WORK. ANY WORK PERFORMED PRIOR TO THE SEWER CAMERA VERIFICATION SHALL BE REMOVED, REPLACED AND PATCHED BY THE PLUMBING CONTRACTOR AND AT NO EXTRA COST TO THE CONTRACT.
 4. EX. WATER PIPING SYSTEM SHALL BE DISINFECTED, CLEANED AND FLUSHED ENTIRELY PRIOR TO CONNECTION TO NEW PIPING.

NO.	DATE	BY	DESCRIPTION



FLOOR SLAB & DRAINAGE REPAIR PROJECT
 SOMERVILLE ENGINE #7
 265 HIGHLAND AVENUE
 SOMERVILLE, MASSACHUSETTS
 PLUMBING PLANS

DATE	07.10.20
SCALE	AS NOTED
DRAWN BY / CHECKED BY	JK / CM
PROJECT NO	2018008
DRAWING NO	P-100