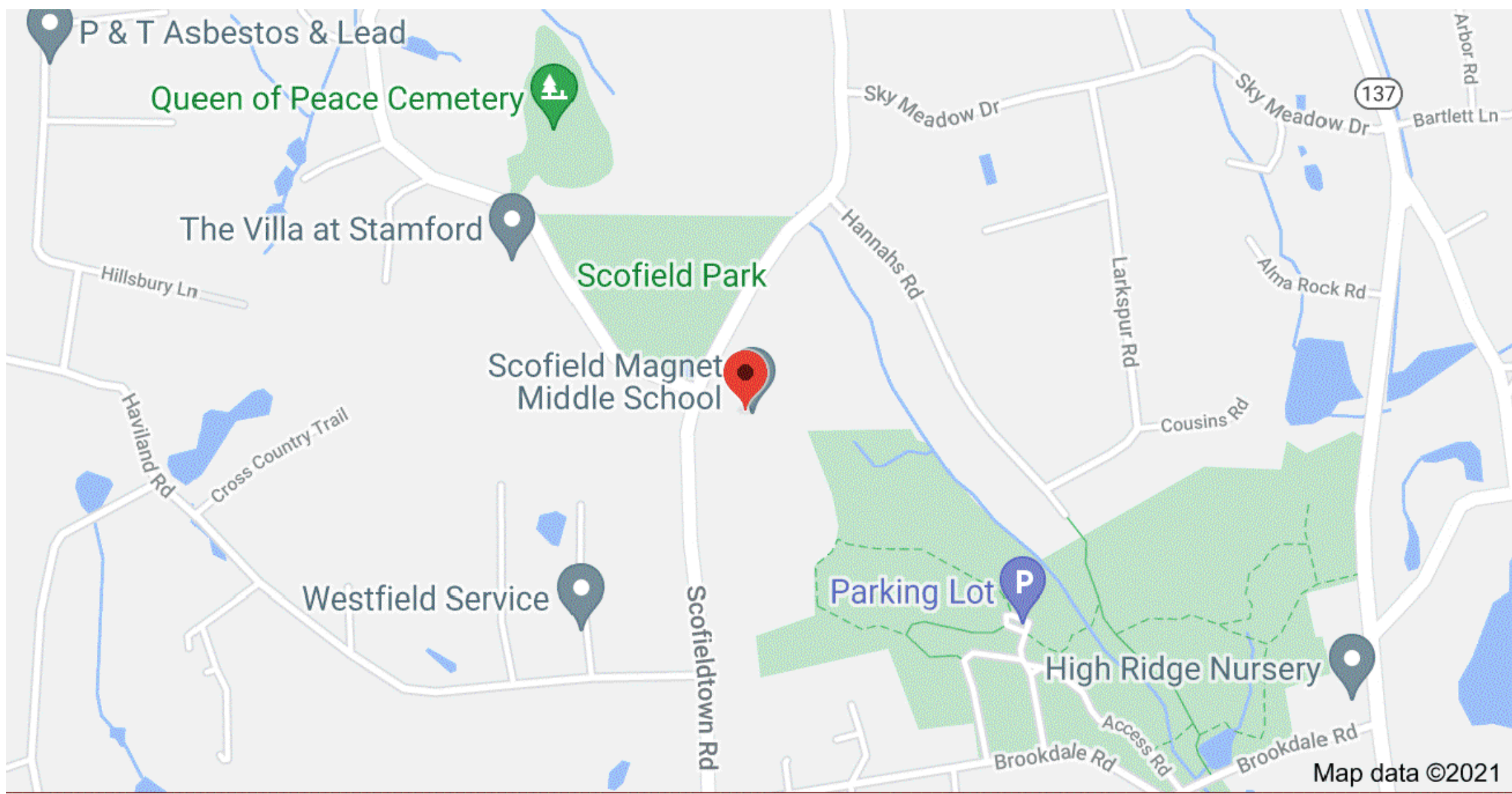


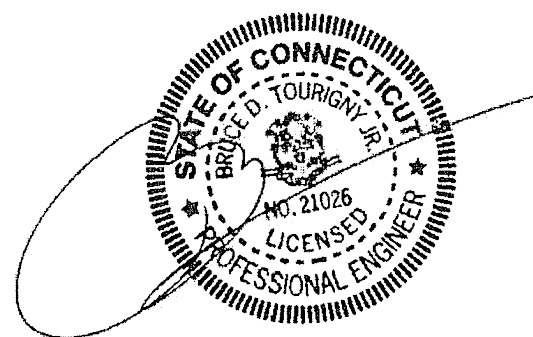
# SCOFIELD SCHOOL FLOOR DRAIN

641 SCOFIELDTOWN RD  
STAMFORD, CT 06903



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P-100	PLUMBING WEST BASEMENT PLAN



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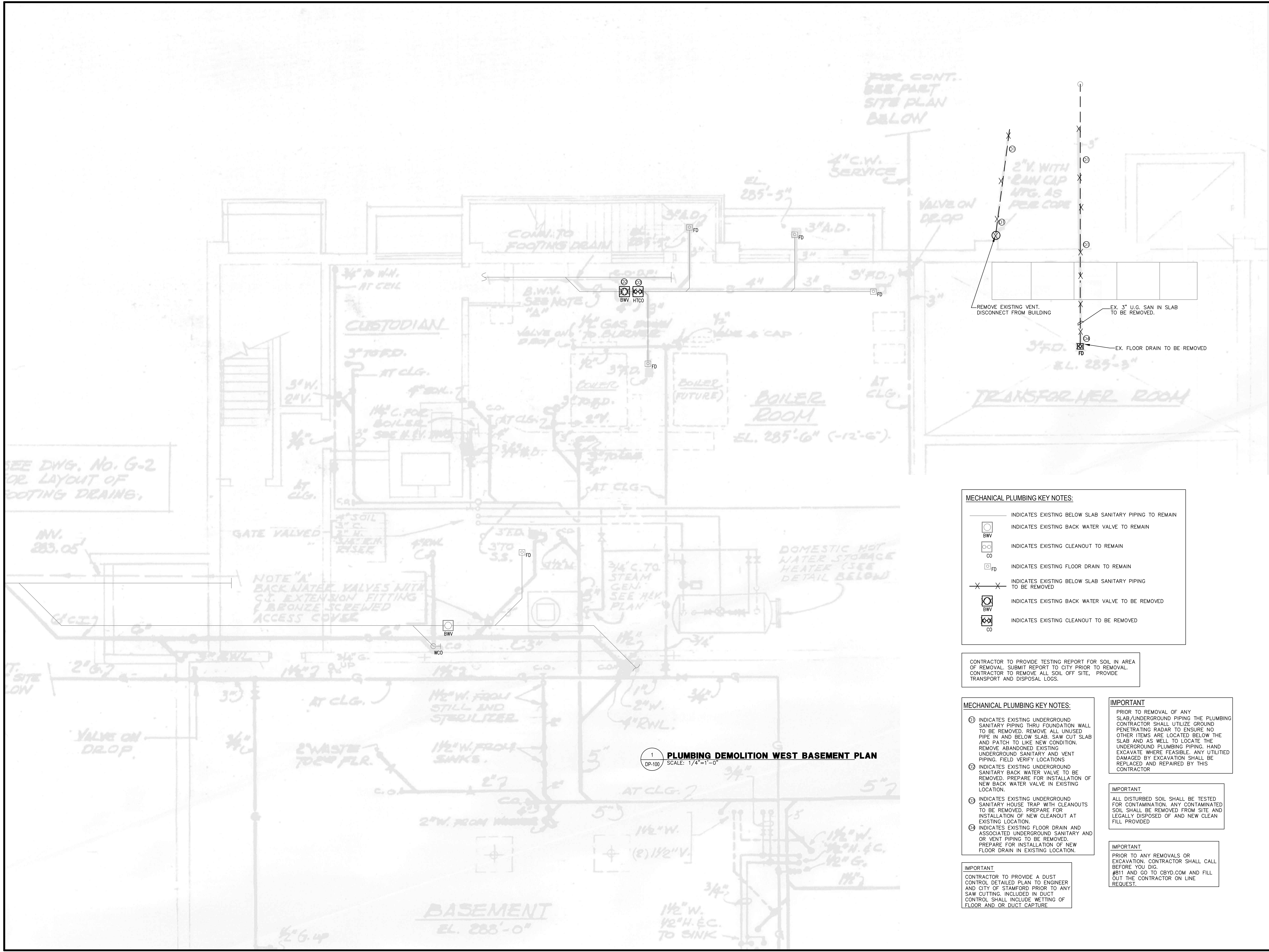
PROFESSIONAL ENGINEERS

46 Riverside Avenue  
Westport, CT 06880  
Phone (203) 299-0250  
CDA PROJECT# 2021.138.01

**PLAN SUBMISSION**

<b>SUBMISSION:</b>	<b>ISSUED FOR PERMIT</b>	<b>DATE:</b>	<b>03.18.2022</b>
<b>SUBMISSION:</b>		<b>DATE:</b>	
<b>SUBMISSION:</b>		<b>DATE:</b>	
<b>SUBMISSION:</b>		<b>DATE:</b>	

**CS-000**



SCOFIELD SCHOOL FLOOR DRAIN

641 SCOFIELDTOWN RD  
STAMFORD, CT 06903

STATE OF CONNECTICUT  
PLUMBING BOARD  
LICENSE NO. 2026  
PROFESSIONAL ENGINEER

COLLECTIVE DESIGN ASSOCIATES, INC.

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Westport, Connecticut 06880  
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DRAWING TITLE: PLUMBING DEMOLITION WEST BASEMENT PLAN

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SOURCE: AS NOTED

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DRAWN BY: B.D.T.

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PLUMBING DRAIN SCHEDULE							
SYMBOL	FIXTURE TYPE	MANUFACTURER MODEL NUMBER	PIPE SIZES				DESCRIPTION
			HOT	COLD	SOIL OR WASTE	VENT	
BWV	BACK WATER VALVE	MIFAB BVI200R	---	---	4"	---	PROVIDE NICKEL BRONZE ACCESS COVER. EXTEND TO GRADE
FCO	FLOOR CLEAN OUT	JR SMITH 4040-U	---	---	4"		FINISH TO BE NICKEL BRONZE
FD	ELECTRICAL ROOM FLOOR DRAIN	JR SMITH 2110-FBS-NB	---	---	3"	2"	PROVIDE WITH PROSET TRAP GUARD PROVIDE WITH NICKEL BRONZE TOP
TD	TRENCH DRAIN	ZURN Z-895 SERIES	---	---	4"	---	ZURN FLOW-THRU SYSTEM, Z-895 SERIES, 12" WIDE, 3" OUTLET, HPDE-USA. HELL PROOF DUCTILE SLOTTED GRATE, CLASS E. 8.5 IN SHALLOW INVERT

SCHEDULE OF PIPING MATERIAL:	
<u>SYSTEM OR EQUIPMENT:</u>	<u>MATERIALS:</u>
VENT AND SANITARY PIPING IN BUILDING (GRAVITY), OR UNDERGROUND	NO HUB CAST IRON SOIL PIPE AND FITTINGS, SERVICE WEIGHT
JOINTS: a) CAST IRON PIPE AND FITTINGS	7NG-HUB SCHEDULE 40 CAST IRON PIPING WITH HEAVY WEIGHT HEAVY DUTY SHIELDED COUPLINGS FOR ABOVE AND BELOW GROUND USE

PLUMBING SYMBOL LIST	
SYMBOL	DESCRIPTION
<div><div><div></div><div></div></div><div></div></div>	SANITARY ABOVE SLAB SANITARY BELOW SLAB
<div><div></div></div>	VENT PIPING
<div><div><div>FCO</div><div></div></div></div>	FLOOR CLEANOUT
<div><div><div></div><div>FD</div></div></div>	FLOOR DRAIN
<div><div><div></div><div>TD</div></div></div>	TRENCH DRAIN
<div><div><div>4" 3"</div><div></div></div></div>	INDICATES SANITARY PIPE SIZE

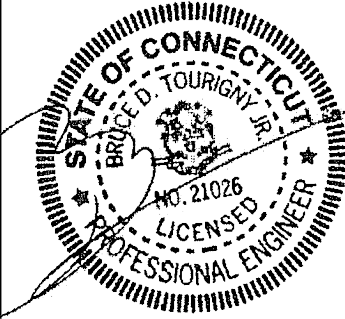
IMPORTANT

ALL SANITARY AND STORM PIPING 3" AND LARGER SHALL BE PITCHED AT 1/8" P/FT MIN. ALL 2" AND SMALLER SANITARY PIPING SHALL BE PITCHED AT 1/4"P/FT MIN UNLESS OTHERWISE NOTED

- CONTRACTOR TO PROVIDE THE FOLLOWING SUBMITTALS:
- FLOOR DRAIN
  - PIPING
  - TRENCH DRAINS
  - BALANCING WATER VALVE

SCOFIELD SCHOOL FLOOR DRAIN

641 SCOFIELDTOWN RD  
STAMFORD, CT 06903



DRAWING TITLE: PLUMBING NOTES, LEGEND AND SPECIFICATIONS

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PLUMBING SPECIFICATIONS:

1. GENERAL

A. ALL WORK AND MATERIALS SHALL COMPLY WITH APPLICABLE PROVISIONS OF THE LOCAL CITY & STATE BUILDING CODE.
2. WORK

A. IT IS THE INTENT OF THESE SPECIFICATION TO HAVE THE CONTRACTOR PROVIDE FOR THE FURNISHING OF ALL LABOR, MATERIALS, PROTECTION AND SUPERVISION NECESSARY AND REQUIRED TO COMPLETE THE PLUMBING WORK AS INDICATED ON THE DRAWINGS AND DESCRIBED OR REFERRED TO IN THESE SPECIFICATIONS.

B. ALL PLUMBING AND DRAINAGE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE PERTINENT REQUIREMENTS OF THE STATE/LOCAL BUILDING CODE, NATIONAL SANITATION FOUNDATION, HEALTH DEPARTMENT AND OTHER AGENCIES OR DEPARTMENTS HAVING JURISDICTION.

C. ALL WORK SHOWN ON THE DRAWINGS IS DIAGRAMMATIC AND SHALL BE INSTALLED TO FIT ACTUAL BUILDING CONDITIONS, ALL SUBJECT TO APPROVAL, THE CONTRACTOR SHALL AS PART OF THIS CONTRACT, FURNISH ALL INCIDENTALS SUCH AS PIPES, FITTINGS, VALVES, PIPE HANGERS AND SUPPORTS, ETC., AND ALL REMOVALS, TESTING, CLEANING AND MISCELLANEOUS ITEMS NECESSARY TO LEAVE EACH SYSTEM COMPLETE IN EVERY DETAIL AND READY FOR OPERATION.

D. IF MENTION HAS BEEN OMITTED IN THE SPECIFICATIONS OF ANY WORK SHOWN ON THE DRAWINGS OR IF WORK NOT SHOWN ON THE DRAWINGS IF CALLED FOR IN THE SPECIFICATIONS, SAME SHALL BE INCLUDED AS PART OF THE WORK OF THE CONTRACTOR.

E. SPECIAL CARE SHALL BE TAKEN DURING CONSTRUCTION TO PREVENT UNNECESSARY DAMAGE TO EXISTING STRUCTURE. ALL REMOVAL AND CUTTING TO PERMIT INSTALLATION OF NEW EQUIPMENT OR PIPING SHALL BE DONE ONLY AFTER RECEIVING APPROVAL OF THE OWNER. EQUIPMENT TO BE REMOVED IS THE PROPERTY OF THE OWNER AND SHALL BE DISPOSED OF AS DIRECTED.

F. PROVIDE ALL LABOR AND NEW MATERIALS REQUIRED AS INDICATED ON DRAWINGS.

G. CARE SHALL BE TAKEN WHEN CUTTING INTO EXISTING WATER AND DRAINAGE LINE TO PREVENT ACCIDENTAL FLOODING OF PREMISES. ALL SHUTDOWNS AND ALL REMOVALS AND NEW WORK SHALL BE IN COORDINATION WITH OWNER.

H. PERFORM ALL NECESSARY REMOVALS OF EXISTING PLUMBING PIPING AND MATERIALS. ALL EXISTING PLUMBING MATERIALS SHALL BE REMOVED BEFORE NEW WORK IS COMMENCED, ALL IN ACCORDANCE WITH STAGING REQUIREMENTS OF THE CONTRACT.

I. FILE AND PAY ALL FEES AND OBTAIN ALL APPROVALS FROM THE LOCAL BUILDING DEPARTMENT AND AUTHORITIES HAVING JURISDICTION.
3. NOT USED
4. OPENINGS AND CHASES

A. PROVIDE ALL OPENINGS, CHASES, RECESSES AND BUCKS THAT ARE REQUIRED FOR THE ADMISSION OF THE WORK. THE CONTRACTOR SHALL DETERMINE IN AMPLE TIME, PRIOR TO THE INSTALLATION OF HIS WORK, ALL REQUIRED OPENINGS FOR ADMISSION OF FLOOR DRAINS, ETC.

B. INSPECT THE GENERAL PLANS FOR PIPE SPACES. DO ALL NECESSARY CUTTING, IF SUCH IS REQUIRED, TO ALLOW FOR THE ADMISSION OF THE WORK. REMOVE ALL SURPLUS MATERIALS AND DISPOSE OF SAME, AS AND WHERE DIRECTED.

C. CUTTING SHALL BE DONE WITH HAND TOOLS. NO CUTTING BY JACKHAMMER WILL BE PERMITTED.
5. CONSTRUCTION NOTES

A. IT IS THE INTENT THAT EACH PART OF THE SYSTEM SHALL BE COMPLETE IN ALL DETAILS AND WATER LINES PROVIDED WITH ALL CONTROL VALVES NECESSARY FOR SATISFACTORY OPERATIONS AND MAINTENANCE.

B. EXAMINE CAREFULLY THE PLANS OF OTHER TRADES IN DETAIL AND ALL CONDITIONS RELATIVE TO THE INSTALLATION OF PIPING.

C. IN NO CASE SHALL PIPING BE EXPOSED BEYOND FINISHED PLASTER LINES UNLESS SPECIFICALLY SHOWN OTHERWISE ON DRAWINGS. CONSULT WITH THE OTHER TRADES IN THE BUILDING AND INSTALL PIPING IN SUCH A WAY AS TO LEAST INTERFERE WITH THE INSTALLATION OF OTHER TRADES.

D. PIPING SHALL BE INSTALLED SO AS TO AVOID ALL UNDERGROUND UTILITIES INCLUDING ELECTRICAL, AND ELECTRIC LIGHT OUTLETS ETC.AND BEFORE THE INSTALLATION OF SAME CONSULT WITH THE OTHER TRADES AND FACILITATE THE ERECTION OF THE EQUIPMENT.

E. AFTER CUTTING, ALL PIPES SHALL BE REAMED OUT TO FULL BORE, AND BEFORE ERECTION THE INSIDE OF ALL PIPES SHALL BE THOROUGHLY CLEANED.
6. MATERIALS – GENERAL REQUIREMENTS

A. ALL MATERIALS SHALL BE NEW AND THE BEST OF THEIR RESPECTIVE KINDS, SUITABLE FOR THE CONDITIONS AND DUTIES IMPOSED UPON SAME AT THE BUILDING. MATERIALS SHALL MATCH EXISTING FOR SIMILAR SERVICE EXCEPT AS OTHERWISE NOTED HEREIN. THEY SHALL GENERALLY BE OF REPRESENTATIVE MANUFACTURE. BRAND NAMES ARE SPECIFIED TO INDICATE A STANDARD OF QUALITY ONLY.
7. DRAINAGE SYSTEM

A. SOIL, WASTE, AND VENT PIPING SHALL BE CAST IRON "NO HUB" CISPI STD-301-75. PIPING SHALL BE SUPPORTED AT EVERY FIVE FEET AND AT EVERY CHANGE IN DIRECTION FOR HORIZONTAL PIPING. SCREW PLUG CLEANOUTS SHALL BE PROVIDED AT EACH CHANGE OF DIRECTION IN DRAINAGE PIPING. COUPLINGS SHALL BE HEAVY WEIGHT HEAVY DUTY SHIELDED COUPLINGS FOR ABOVE AND BELOW GROUND USE

8. HANGERS AND SUPPORTS

A. ALL PIPING SHALL BE SUBSTANTIALLY SUPPORTED FROM THE BUILDING STRUCTURE. ALL HANGERS, RODS AND SUPPORTS SHALL BE SPECIFICALLY APPROVED FOR USE INTENDED. HANGERS AND SUPPORTS SHALL BE INSTALLED IN STRICT CONFORMITY WITH STATE/LOCAL BUILDING CODE REQUIREMENTS.

B. WHERE OVERHEAD CONSTRUCTION DOES NOT PERMIT FASTENING OF HANGER RODS, INSERTS, ETC., IN REQUIRED LOCATIONS, PROVIDE ADDITIONAL STEEL FRAMING AS REQUIRED AND APPROVED.

C. EXPANSION SHIELDS SHALL BE PROVIDED TO SUPPORT HANGER RODS AT REQUIRED INTERVALS. EXPANSION SHIELDS SHALL BE "PHILLIPS" ANCHORS, HILTI CO., OR APPROVED EQUAL.

D. CHAINS, STRAPS, PERFORATED BARS OR WIRE HANGERS WILL NOT BE PERMITTED.
9. TESTS

A. WHEN ALL FIXTURES, EQUIPMENT, GAS, WATER AND WASTE PIPING, ETC., INSTALLED UNDER THIS CONTRACT HAS BEEN COMPLETED, NOTIFY THE ENGINEER AND OWNER OF READINESS FOR INSPECTION AND MAKE ALL TESTS REQUIRED BY AUTHORITIES.
10. DISSIMILAR METALS

A. CONNECTION BETWEEN DISSMETALS, SUCH AS FERROUS AND NON-FERROUS SHALL BE ISOLATED BY MEANS OF A DIELECTRIC MATERIAL SUCH AS TEFLON MICARTA OR SCREWED INSULTING UNIONS MANUFACTURED BY EPCO SALES, INC., TO PROVIDE CATHODIC PROTECTION CURRENTS AND TO STOP GALVANIC CORROSION.
11. SHOP DRAWINGS

A. SUBMIT TO THE ENGINEER FOR APPROVAL IN PDF FORMAT AND MANUFACTURER'S MANUFACTURERS' MANUALS AND TECHNICAL DATA FOR THE FOLLOWING: ALL PIPING INSULATION, INSULATION,DRAINS ETC

B. SHOP DRAWINGS SHALL INCLUDE DIMENSIONS, MATERIALS AND AUXILIARY EQUIPMENT. ALL SHOP DRAWINGS TO BE PROVIDED ELECTRONICALLY.
12. SPECIFYING CONDITIONS

A. IT SHALL BE ABSOLUTELY MANDATORY FOR ALL BIDDERS TO VISIT THE SITE AND INSPECT ALL EXISTING CONDITIONS FIRSTHAND. ARRANGEMENTS FOR INSPECTION SHALL BE FURTHER CONFIRMED AND VERIFIED WITH THE OWNER.

B. BEFORE STARTING ANY WORK EXAMINE EXISTING CONDITIONS, AND THOROUGHLY CHECK DRAWINGSS, SPECIFICATIONS, ADJOINING OR UNDERLYING CONDITIONS IN WHICH THE WORK OF THESE SPECIFICATIONS IS TO BE PERFORMED, AND ALL DIMENSIONS.

C. REPORT IN WRITING, TO THE OWNER WITH A COPY TO THE ENGINEER, ANY AND ALL CONDITIONS WHICH MAY INTERFERE WITH OR OTHERWISE AFFECT OR PREVENT THE PROPER EXECUTION AND COMPLETION OF THE WORK OF THESE SPECIFICATIONS.

D. DO NOT COMMENCE ANY WORK UNTIL ANY AND ALL SUCH CONDITIONS HAVE BEEN CORRECTED.

E. FAILURE TO NOTIFY THE OWNER AND/OR THE ENGINEER OF UNSATISFACTORY CONDITIONS WILL BE CONSTRUED AS AN ACCEPTANCE OF ALL CONDITIONS.

F. EXECUTION OF WORK OF THESE SPECIFICATIONS CONSTITUTES ACCEPTANCE OF THE BASE OF ADJOINING WORK AND OTHER CONDITIONS AS SATISFACTORY IN EVERY RESPECT AND LATER CLAIMS OF DEFECTS IN SUCH CASES WILL NOT BE ALLOWED.

13. CONDUCT OF OPERATIONS

A. THE BUILDING IN WHICH WORK OF THIS CONTRACT WILL BE PERFORMED IS AN EXISTING STRUCTURE AND WILL BE OCCUPIED DURING THE TERM OF THIS CONTRACT.

B. SERVICES TO AND THROUGHOUT THE BUILDING SHALL BE MAINTAINED. SERVICES MAY BE INTERRUPTED ONLY BY OBTAINING PERMISSION TO DO SO FROM THE OWNER IN WRITING.

C. ALL MATERIALS, DEBRIS, AND REFUSE REMOVED FROM CONSTRUCTION SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND HE SHALL REMOVE SAME FROM THE PREMISES AS DIRECTED.

D. THE WORK OF THE CONTRACT SHALL BE PROGRESSED IN SUCH A MANNER AS TO INTERFERE AS LITTLE AS POSSIBLE WITH THE FUNCTIONING OF THE PREMISES AND WITH THE SAFETY AND CONVENIENCE OF THE OCCUPANTS, STAFF, AND OTHER EMPLOYED IN AND ABOUT THE PREMISES.

E. CONTRACTOR'S ATTENTION IS DIRECTED TO THE SCHEDULING OF THE WORK AS DETERMINED BY THE OWNER AND SHALL SCHEDULE ALL DELIVERY OF MATERIALS AND MANPOWER REQUIREMENTS TO EXPEDITE THE WORK ACCORDINGLY.

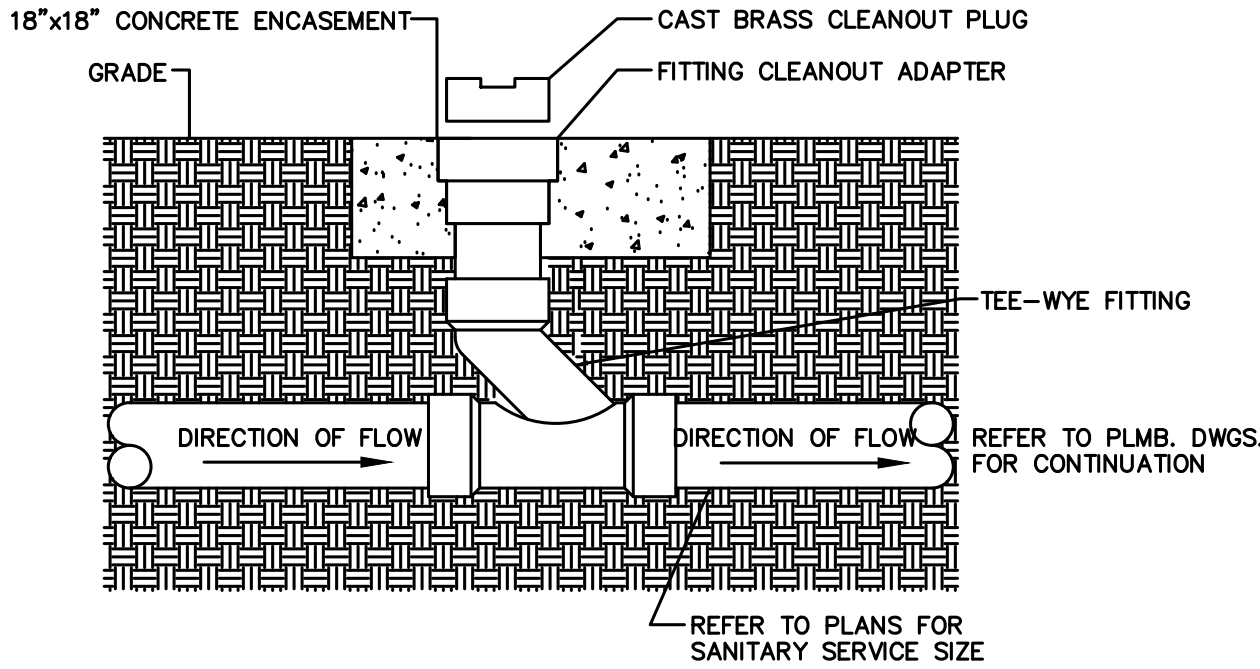
F. ROUTES OF INGRESS TO THE BUILDING AND WITHIN THE BUILDING TO THE SITE OF THE WORK SHALL BE OVER ROUTES AS DIRECTED BY THE OWNER.

G. DELIVERY OF MATERIALS AND REMOVALS OF DEBRIS SHALL BE ARRANGED FOR WITHIN TIME LIMITS ESTABLISHED BY THE OWNER. THE CONTRACTOR SHALL NOT, EXCEPT AS OTHERWISE AGREED TO, DELIVER ANY MATERIAL TO THE SITE UNLESS HIS FORCES ARE PRESENT AND AVAILABLE TO RECEIVE AND UNLOAD IT.
14. REGULATIONS

A. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH AND COMPLY WITH BUILDING REGULATIONS AND RULES TO MAINTAIN THE SAFETY OF THE PREMISES AND ITS OCCUPANTS AT ALL TIMES.
15. CLEANING

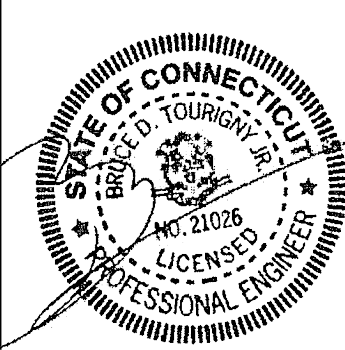
A. THE CONTRACTOR SHALL NEATLY PILE, STORE AND PROTECT ALL MATERIALS IN LOCATIONS ON THE PREMISES WHERE APPROVED AND DIRECTED. DURING WORK OPERATIONS ON THE INTERIOR OF THE BUILDINGS, AL REFUSE AND DEBRIS SHALL BE REMOVED AND THE AREAS LEFT BROOM CLEAN. ALL SAW CUTS SHALL BE PRE TREATED ALL NEW CONCRETE SHALL BE PATCHED TO LIKE NEW CONDITION AND PREPED FOR PAINTING

IMPORTANT  
CONTRACTOR TO PROVIDE A DUST CONTROL DETAILED PLAN TO ENGINEER AND CITY OF STAMFORD PRIOR TO ANY SAW CUTTING. INCLUDED IN DUCT CONTROL SHALL INCLUDE WETTING OF FLOOR AND OR DUCT CAPTURE



FINISHED GRADE CLEANOUT INSTALLATION DETAIL  
(BACK WATER VALVE SIMILAR)  
NOT TO SCALE

SCOFIELD SCHOOL FLOOR DRAIN  
641 SCOFIELDTOWN RD  
STAMFORD, CT 06903



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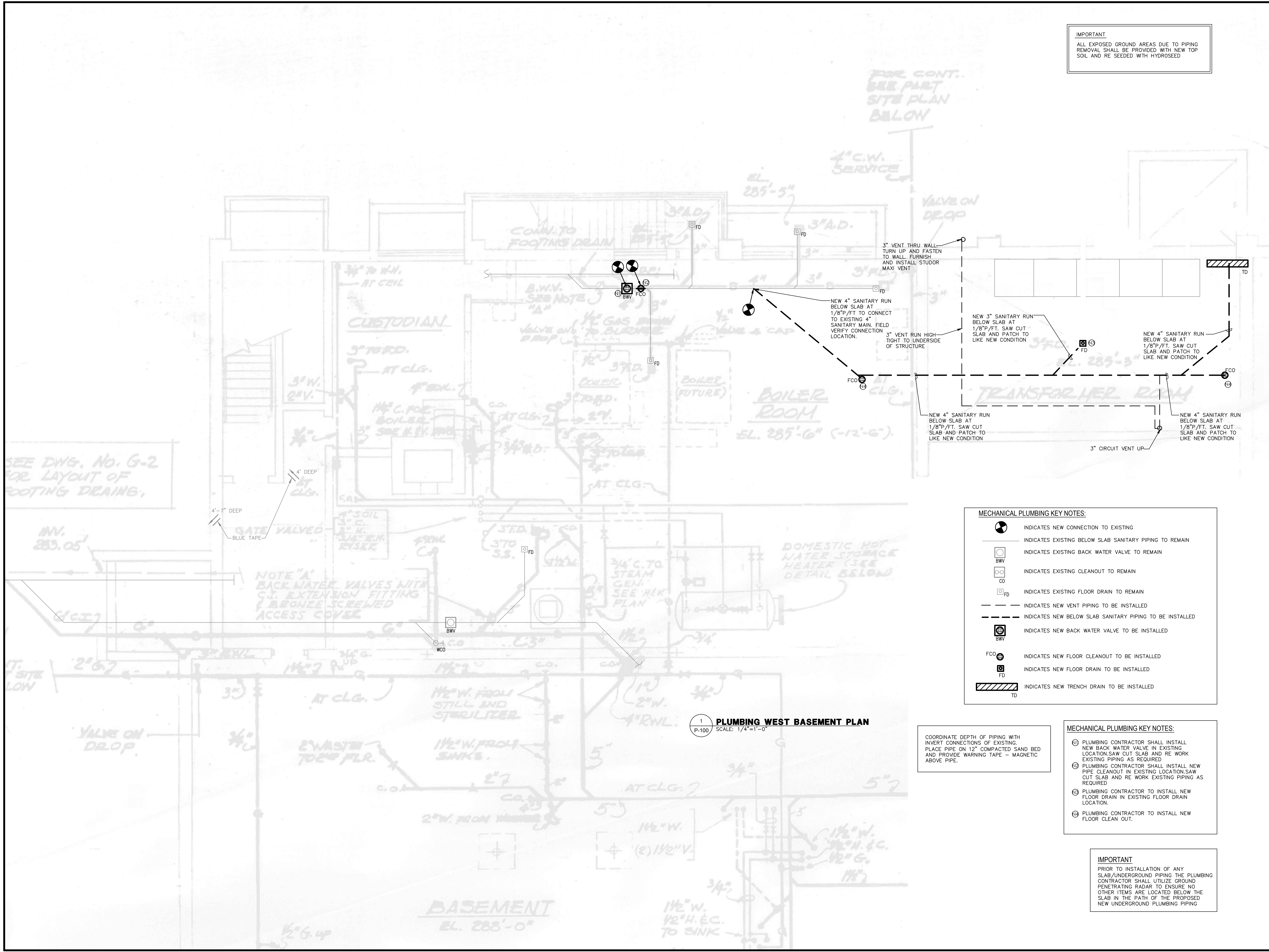
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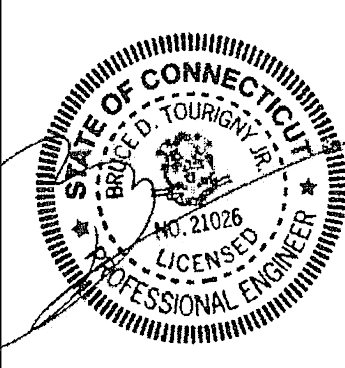
P-002

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**IMPORTANT**  
ALL EXPOSED GROUND AREAS DUE TO PIPING REMOVAL SHALL BE PROVIDED WITH NEW TOP SOIL AND RE SEEDED WITH HYDROSEED

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- MECHANICAL PLUMBING KEY NOTES:**
- INDICATES NEW CONNECTION TO EXISTING
  - INDICATES EXISTING BELOW SLAB SANITARY PIPING TO REMAIN
  - INDICATES EXISTING BACK WATER VALVE TO REMAIN
  - INDICATES EXISTING CLEANOUT TO REMAIN
  - INDICATES EXISTING FLOOR DRAIN TO REMAIN
  - INDICATES NEW VENT PIPING TO BE INSTALLED
  - INDICATES NEW BELOW SLAB SANITARY PIPING TO BE INSTALLED
  - INDICATES NEW BACK WATER VALVE TO BE INSTALLED
  - INDICATES NEW FLOOR CLEANOUT TO BE INSTALLED
  - INDICATES NEW FLOOR DRAIN TO BE INSTALLED
  - INDICATES NEW TRENCH DRAIN TO BE INSTALLED

COORDINATE DEPTH OF PIPING WITH INVERT CONNECTIONS OF EXISTING. PLACE PIPE ON 12" COMPACTED SAND BED AND PROVIDE WARNING TAPE - MAGNETIC ABOVE PIPE.

- MECHANICAL PLUMBING KEY NOTES:**
- ① PLUMBING CONTRACTOR SHALL INSTALL NEW BACK WATER VALVE IN EXISTING LOCATION. SAW CUT SLAB AND RE WORK EXISTING PIPING AS REQUIRED.
  - ② PLUMBING CONTRACTOR SHALL INSTALL NEW PIPE CLEANOUT IN EXISTING LOCATION. SAW CUT SLAB AND RE WORK EXISTING PIPING AS REQUIRED.
  - ③ PLUMBING CONTRACTOR TO INSTALL NEW FLOOR DRAIN IN EXISTING FLOOR DRAIN LOCATION.
  - ④ PLUMBING CONTRACTOR TO INSTALL NEW FLOOR CLEAN OUT.

**IMPORTANT**  
PRIOR TO INSTALLATION OF ANY SLAB/UNDERGROUND PIPING THE PLUMBING CONTRACTOR SHALL UTILIZE GROUND PENETRATING RADAR TO ENSURE NO OTHER ITEMS ARE LOCATED BELOW THE SLAB IN THE PATH OF THE PROPOSED NEW UNDERGROUND PLUMBING PIPING