

PLUMBING GENERAL NOTES

- ALL WORK SHALL BE PERFORMED BY A LICENSED CONTRACTOR. CONTRACTOR SHALL INSTALL SYSTEMS, EQUIPMENT & COMPONENTS SHALL COMPLY WITH 2018 NC PLUMBING CODE AND IN ACCORDANCE WITH REQUIREMENTS SHOWN IN THESE PLANS. IF WHAT IS SHOWN ON THE PLAN EXCEEDS THE PLUMBING CODE REQUIREMENT THEN WORK SHALL COMPLY WITH WHAT IS SHOWN. ANY DEVIATION FROM THE DESIGN PLANS SHALL ONLY BE PERFORMED IF APPROVED BY THE OWNER REPRESENTATIVE OR DESIGN ENGINEER. ALL WORK SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS OF ALL APPLICABLE CODES AND STANDARDS.
- IT WILL BE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO INSURE THAT ITEMS TO BE FURNISHED UNDER PLUMBING CONTRACT WILL FIT THE SPACE AVAILABLE. PLUMBING CONTRACTOR SHALL MAKE NECESSARY FIELD MEASUREMENTS TO ASCERTAIN SPACE REQUIREMENTS, INCLUDING THOSE FOR CONNECTIONS AND SHALL FURNISH AND INSTALL SUCH SIZES AND SHAPES OF EQUIPMENT THAT ARE THE TRUE INTENT OF THE DRAWINGS AND SPECIFICATIONS.
- PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR WATER, VENT, AND WASTE SYSTEM TESTS, PERAPPLICABLE CODE REQUIREMENTS. ALL HVAC AND EXHAUST SYSTEMS MUST BE RUNNING WHILE THESE WASTE/VENT TESTS ARE BEING PERFORMED. A CERTIFICATE WILL BE REQUIRED FROM THE PLUMBING CONTRACTOR CERTIFYING COMPLIANCE AND ACCEPTANCE OF THESE TESTS. DELETED
- THE SCHEDULED AND/OR SPECIFIED PLUMBING EQUIPMENT REPRESENT THE MINIMUM CRITERIA AND SHALL BE THE BASIS FOR THE CONTRACTOR'S BASE BID. IF THE SCHEDULED OR SPECIFIED FIXTURES OR EQUIPMENT DO NOT COMPLY WITH GOVERNING CODES OR REGULATIONS IN ALL RESPECTS, THE CONTRACTOR SHALL PROVIDE AN ALTERNATE BID FOR COMPLYING FIXTURES, EQUIPMENT, TRIM, OR FITTINGS. THE ABSENCE OF AN ALTERNATE BID SHALL BE CONSTRUED TO MEAN THAT THE CONTRACTOR'S BID INCLUDES ALL COSTS NECESSARY TO MEET ALL REGULATIONS & LATEST NC PLUMBING & ENERGY CODES.
- CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR APPROVED FLOOR PLAN AND DIMENSIONS. DO NOT SCALE PLUMBING DRAWINGS.
- ANY DEVIATIONS FROM SPECIFIED PLUMBING FIXTURES AND LISTED IN FIXTURE SCHEDULE SHALL OBTAIN PRIOR APPROVAL FROM THE OWNER'S REPRESENTATIVE.

EXISTING CONDITIONS

- EXISTING WASTE/VENT AND WATER SUPPLY LINES AND FIXTURES ARE SHOWN IN APPROXIMATE LOCATION. PLUMBING CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES PRIOR TO DIGGING AND MAKE NECESSARY ADJUSTMENT AS REQUIRED.

COORDINATION

- IT WILL BE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO ENSURE THAT ITEMS TO BE FURNISHED UNDER PLUMBING CONTRACT WILL FIT IN THE SPACE AVAILABLE. PLUMBING CONTRACTOR SHALL MAKE NECESSARY FIELD MEASUREMENTS TO ASCERTAIN SPACE REQUIREMENTS, INCLUDING THOSE FOR CONNECTIONS AND SHALL FURNISH AND INSTALL SUCH SIZES AND SHAPES OF EQUIPMENT THAT ARE THE TRUE INTENT OF THE DRAWINGS AND SPECIFICATIONS.

DWV PIPING

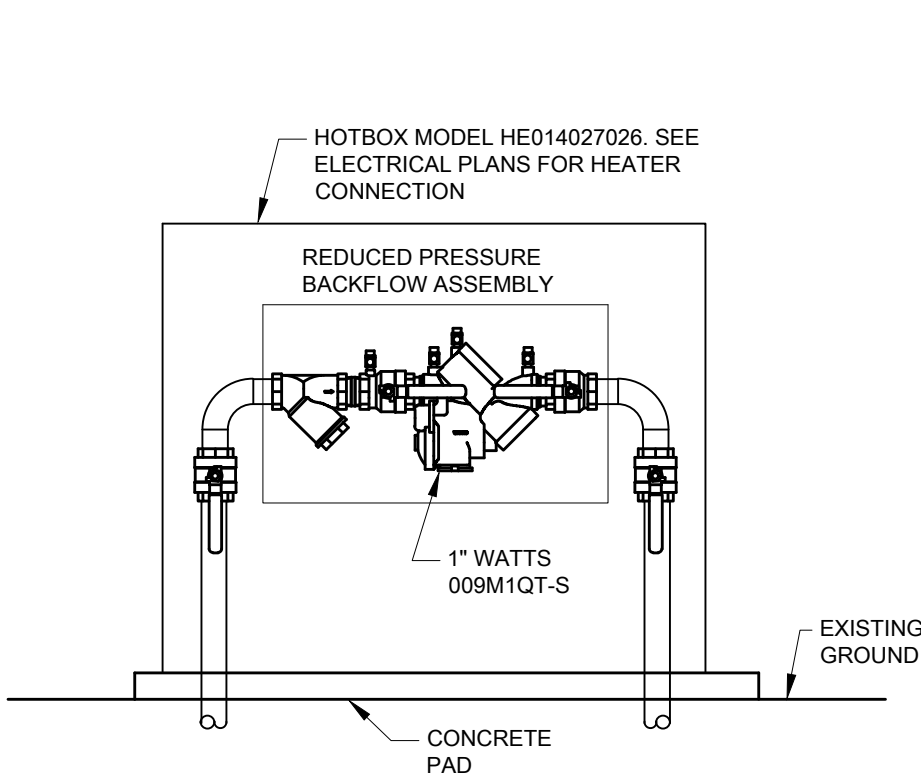
- ALL WASTE AND VENT PIPING SHALL BE SCHEDULE 40 PVC WITH SOCKET FITTINGS, EXCEPT BELOW ROADWAY. PIPING BELOW ROADWAY SHALL BE HUB AND SPIGOT CAST IRON MATERIAL WITH CAULKED JOINTS. TRANSITIONS SHALL BE MADE MINIMUM OF 3FT ON EACH SIDE OF ROADWAY.
- INSTALL TRACER WIRE CONFORMING NC PLUMBING CODE ALONG THE BURIED WASTE PIPE. TRACER WIRE SHALL NOT BE LESS THAN 14AWG. TRACER SHALL CONFORM TO ASTM B-1, B-3 AND B-8. TRACER WIRE SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATION.
- INSTALLATION UNDER THE ROADWAY SHALL CONFORM TO REQUIRMENTS OF NC DOT AND LOCAL REQUIREMENTS.
- CLEANOUTS LOCATED IN TRAFFIC-BEARING AREAS SHALL BE INSTALLED WITH A VEHICLE TRAFFIC BEARING BOX. THE BOX SHALL BE SET IN CONCRETE SLAB, EXTENDING AT LEAST 12" FROM THE PERIMETER OF THE CLEANOUT. THE SLAB SHALL BE NOT LESS THAN 8" THICK. THE CONCRETE SHALL BE NOT LESS THAN 2,500 PSI. ALL SANITARY WASTE PIPING SHALL BE ROUTED AT $\frac{1}{8}$ " PER FT SLOPE OR 1%.
- FIELD VERIFY EXISTING SANITARY MANHOLE INVERT PRIOR TO CONSTRUCTION TO CONFIRM DEPTH.

WATER PIPING

- ALL WATER PIPING SHALL BE TYPE "L", COPPER TUBING, JOINTS IN COPPER TUBING SHALL BE WITH SILVER SOLDER.
- ALL VALVES SHALL BE SAME SIZE AS PIPING SERVED (MIN.)

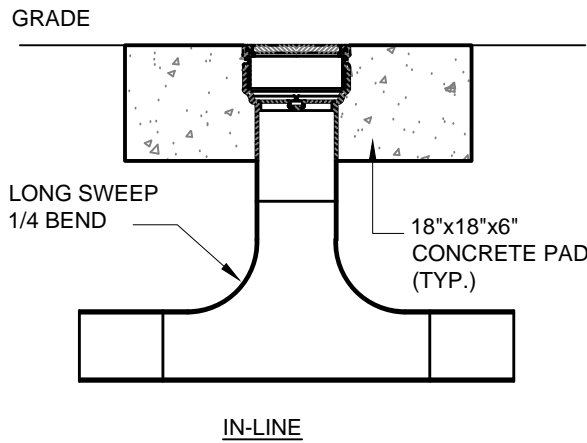
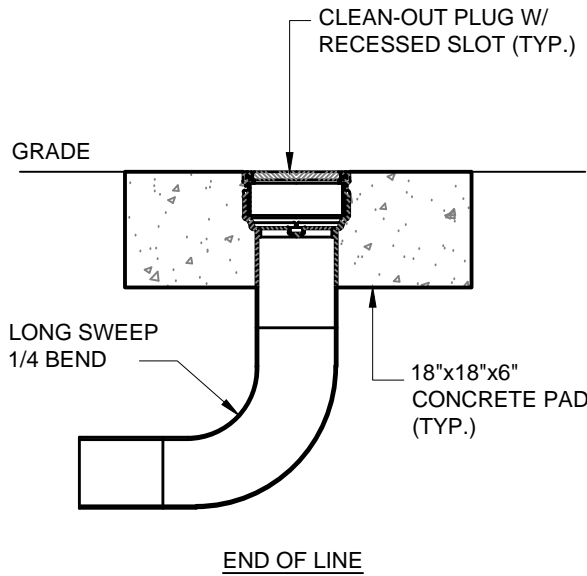
APPROVED MANUFACTURERS

- BACKFLOW PREVENTER
 - ZURN WILKINS
 - FABLO
- HEAT TAPE
 - RAYCHEM
 - THERMON
 - THERMO TECH INDUSTRIES.
- HOT BOX
 - HOTBOX
 - HUBBEL POWER SYSTEM
 - FABCO
 - ZURN



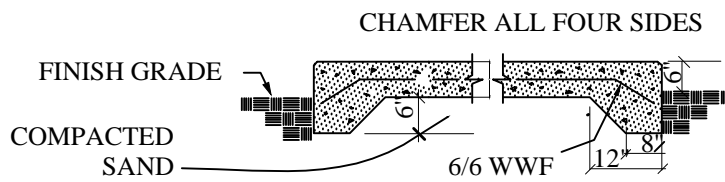
BACKFLOW PREVENTER DETAIL

SCALE: NTS



EXTERIOR CLEANOUT DETAIL

SCALE: NTS

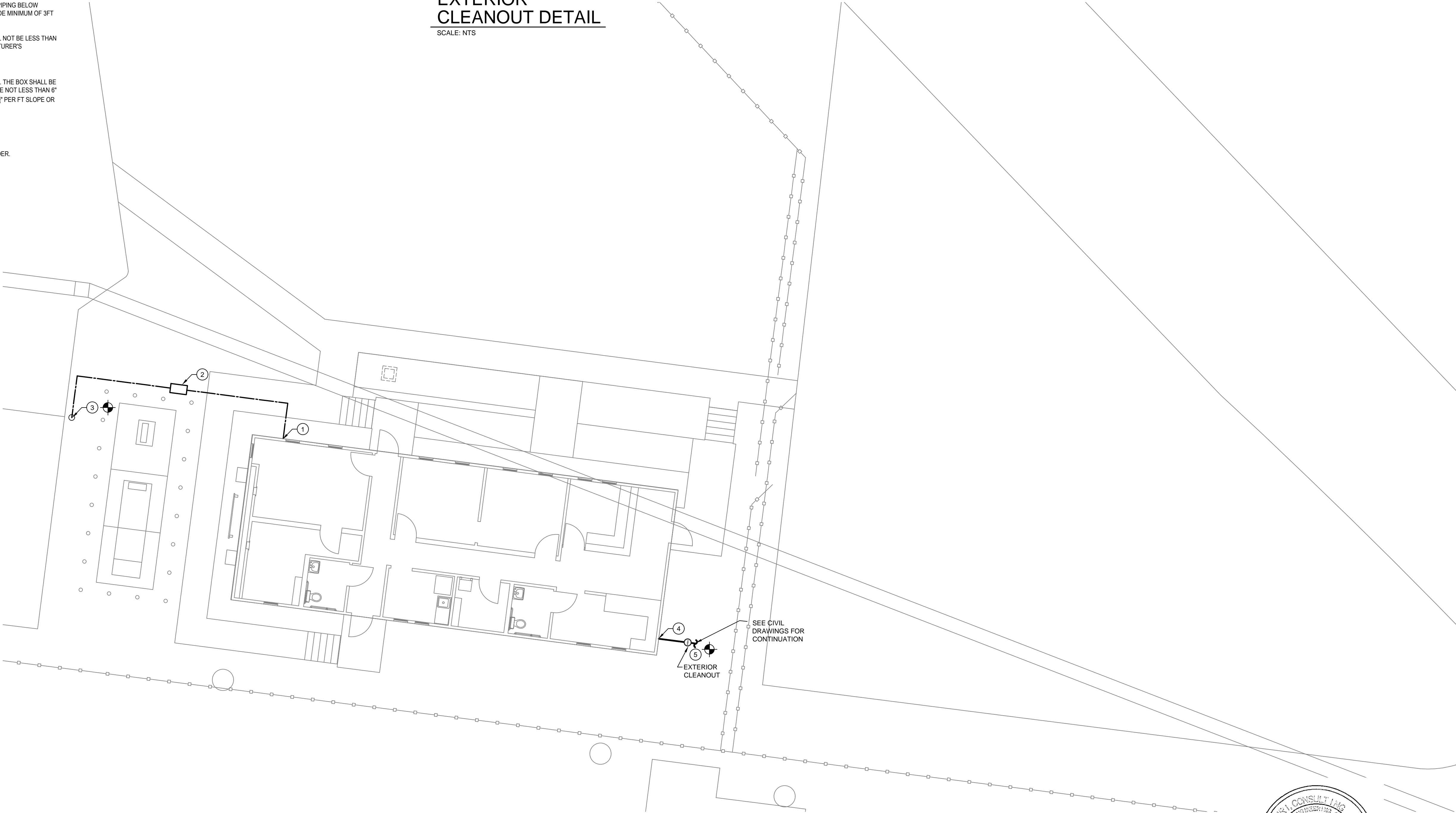


NOTES:

- COMPACT SOIL UNDER MOUNTING PAD TO 95% DENSITY. CONCRETE SHALL BE 3000 PSI CLASS. THE CONCRETE PAD SHALL BE MINIMUM 2" LARGER ON ALL FOUR SIDES.

CONCRETE PAD DETAIL

SCALE: NTS



PLUMBING PLAN

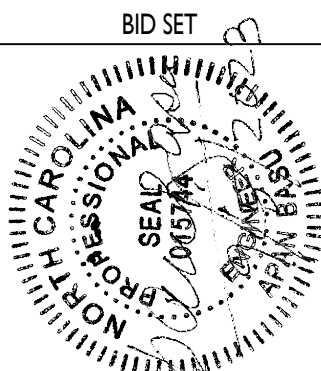
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

- SEE THIS SHEET FOR ALL GENERAL NOTES.

CONSTRUCTION NOTES:

- CONNECT NEW 1" CW TO EXISTING WATER SERVICE IN CRAWL SPACE OF MODULAR UNIT. FIELD VERIFY EXACT LOCATION. PROVIDE SELF REGULATING HEAT TAPE ON THE ABOVE GROUND PIPING TO PROTECT FROM FREEZING.
- PROVIDE NEW 1" WATTS LF009QT-S IN ABOVE GROUND HEATED ENCLOSURE. HOT BOX MODEL HE014027026. CONTRACTOR SHALL PROVIDE CONCRETE PAD FROM ENCLOSURE TO BE MOUNTED ON. PATCH ALL PORTIONS OF AREA DISTURBED TO MATCH EXISTING CONDITIONS.
- CONNECT NEW 1" CW TO EXISTING UNDERGROUND 2" WATER LINE. PATCH ALL PORTIONS OF AREA DISTURBED TO MATCH EXISTING CONDITIONS.
- CONNECT NEW 4" W TO EXISTING BUILDING DRAIN. FIELD VERIFY EXACT LOCATION.
- EXTENSION OF THE THE 4" W TO STREET MAIN BY CIVIL.



NC DOT FACILITIES DESIGN UNIT
ARCHITECT & ENGINEERS



SITE PLAN, SPECIFICATIONS & DETAILS
PLUMBING

Modular Office Relocation for
NCDOT Highway Division 5
Bridge Maintenance Office
5850 CORNWALL ROAD
OXFORD, NORTH CAROLINA 27585

STATE CONSTRUCTION
ID.# 22-24690-01A

EQUIPMENT NUMBER:
1320-0008-3222

REVISIONS

NO. DATE

DATE ISSUED: 9/5/2023
DRAWN BY: CH
CHECKED BY: AB

SHEET NO.

P-101



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