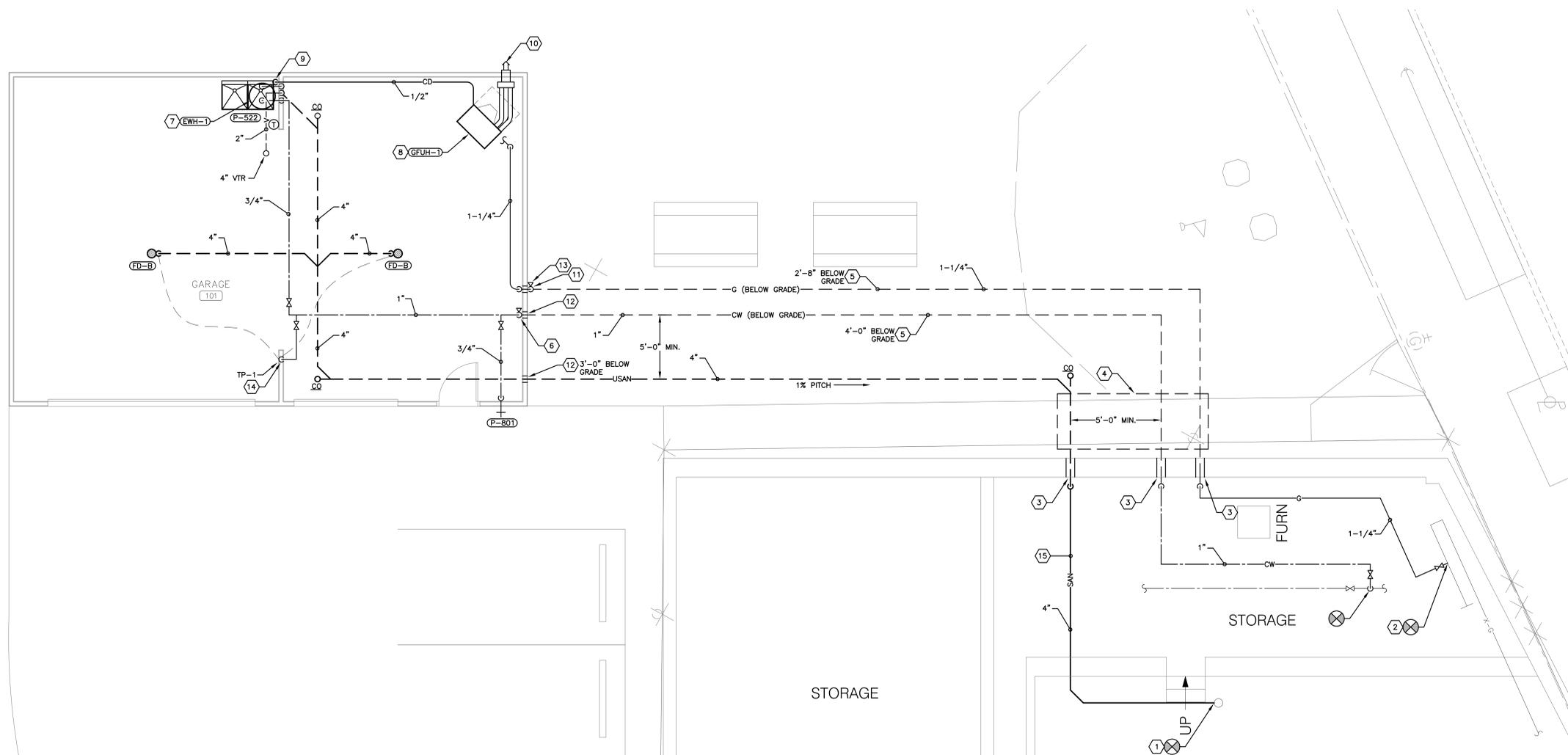


three inches = one foot  
 one and one half inches = one foot  
 one inch = one foot  
 three quarters inch = one foot  
 one half inch = one foot  
 three eighths inch = one foot  
 one quarter inch = one foot  
 one eighth inch = one foot



- CODED NOTES:**
- 1 CONNECT 2" SAN TO EXISTING 4" SAN MAIN DROPPING BELOW GRADE. CONNECT IN VERTICAL WITH WYE.
  - 2 CONNECT 1-1/4" G INTO EXISTING GAS HEADER LOCATED ALONG EXTERIOR WALL. FIELD VERIFY EXISTING CONDITIONS. COORDINATE SHUTDOWN OF SERVICE WITH OWNER AND GAS COMPANY.
  - 3 PROVIDE STEEL SLEEVE FOR PIPE PENETRATION OF FOUNDATION WALL. CONTRACTOR SHALL ASSESS FOUNDATION STABILIZATION FOR INSERTION OF SLEEVE AND PIPE PENETRATION. CONTRACTOR SHALL REMOVE AND RE-BUILD FOOTER/FOUNDATION AS REQUIRED FOR INSTALLATION. PROVIDE WATER TIGHT SEAL AT SLEEVE.
  - 4 REMOVE AND EXCAVATE SIDEWALK AND GROUND AS REQUIRED FOR INSTALLATION OF NEW PIPING SYSTEMS.
  - 5 CONTRACTOR SHALL BURY PIPING ROUTED TO THE EXTERIOR OF BUILDINGS. BURY PIPING AT FROST DEPTH NOTED OR DEEPER.
  - 6 RACK PIPE TIGHT TO WALL (VERTICALLY). PROVIDE SHUT-OFF VALVE IN VERTICAL. MOUNT VALVE AT 4'-0" AFF.
  - 7 FURNISH AND INSTALL WATER HEATER, EWH-1, ABOVE NEW LAUNDRY TUB. REFER TO DETAIL. PROVIDE MANUFACTURER'S RECOMMENDED ACCESSIBILITY. REFER TO PIPING DETAIL FOR ADDITIONAL INFORMATION.
  - 8 MOUNT GAS-FIRED UNIT HEATER FROM BUILDING STRUCTURE. PIPE GAS TO HEATER PER MANUFACTURER'S RECOMMENDATIONS AND PER DETAIL, DWG. 1-M1.
  - 9 ROUTE 1/2" CONDENSATE (PVC) FROM UNIT HEATER TO LAUNDRY TUB. RACK PIPING TO WALL AND SPILL INTO SINK.
  - 10 PROVIDE MANUFACTURER'S HORIZONTAL, CONCENTRIC-VENT KIT. SYSTEM SHALL INCLUDE CONCENTRIC ADAPTER ASSEMBLY, VENT TERMINATION CAP, AND AIR INLET GUARD ASSEMBLY. FIELD INSTALL TEE WITH DRIP LEG AND CLEANOUT CAP IN VENT DUCT. COORDINATE WALL PENETRATION WITH GC.
  - 11 RISE GAS LINE TO 12" ABOVE FLOOR SLAB PRIOR TO PENETRATING BUILDING. PROVIDE SLEEVE AND WEATHER TIGHT SEAL AT PENETRATION.
  - 12 PIPE THROUGH FOUNDATION. PROVIDE SLEEVE AND WATER TIGHT SEAL AT PENETRATIONS OF FOUNDATION AND FLOOR.
  - 13 NATURAL GAS SHUT-OFF VALVE.
  - 14 1/2" CW DOWN TO TRAP PRIMER, TP-1. PIPE 1/2" SOFT COPPER TRAP PRIMER PIPING BELOW SLAB TO EACH FLOOR DRAIN.
  - 15 FIELD VERIFY ELEVATION OF SANITARY PIPING THROUGH BASEMENT. CONTRACTOR SHALL HANG AND/OR TRENCH PIPING AS REQUIRED THROUGH BASEMENT SPACE.

**GROUND LEVEL PLAN**  
 SCALE: 1/4" = 1'-0"  
 0' 2' 4' 8' 16'

**OHIO UTILITIES PROTECTION SERVICE  
 CALL 2 WORKING DAYS  
 BEFORE YOU DIG  
 800-362-2764**

**FOR CONSTRUCTION**

Revisions: FINAL CD SUBMISSION 01-14-13 Date	<b>CONSULTANTS:</b>  	 FF&H #12062	<b>ARCHITECT/ENGINEERS:</b>  MAKOVICH & PUSTI ARCHITECTS, INC. 111 FRONT STREET, DEALE, OHIO 44017 (440) 991-4910 P (440) 991-4986 F	 FREDRICK, FREDRICK & HELLER ENGINEERS, INC. 672 EAST ROYALTON ROAD BRIDGEVIEW HTS., OHIO 44147 TEL (440) 546-9696 FAX (440) 546-9696	Drawing Title <b>MECHANICAL PLAN</b>	Project Title <b>VAMC WADE PARK CLEVELAND                  TR HOUSE IMPROVEMENTS</b>	Project Number 541-12-125	Office of Construction and Facilities Management 
					Approved: Project Director	Location 9401 LORAIN AVE, CLEVELAND, OHIO 44102	Building Number	
Date 01-14-13	Checked By LDH	Drawn By LDH						