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**CLIENT:**  
**MARYLAND ZOO**  
 THE MARYLAND ZOO IN BALTIMORE  
 1 SAFARI PLACE  
 BALTIMORE, MD 21217

**RED PANDA**  
 THE MARYLAND ZOO  
 IN BALTIMORE  
 1 SAFARI PLACE  
 BALTIMORE, MD 21217

THIS DRAWING IS TO ILLUSTRATE THE WORK TO BE DONE. THE ARCHITECT IS NOT RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES USED TO DO THE WORK OR THE SAFETY ASPECTS OF CONSTRUCTION, AND NOTHING ON THIS DRAWING EXPRESSED OR IMPLIED CHANGES THIS CONDITION. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING HOW THEY AFFECT THE WORK. SUBMITTAL OF A BID TO PERFORM THIS WORK IS AN ACKNOWLEDGMENT OF THESE RESPONSIBILITIES, AND THAT THEY HAVE BEEN FULLY CONSIDERED IN PLANNING OF THE WORK, AND THE BID PRICE. NO CLAIMS FOR EXTRA CHARGES DUE TO THESE CONDITIONS WILL BE FORTHCOMING.

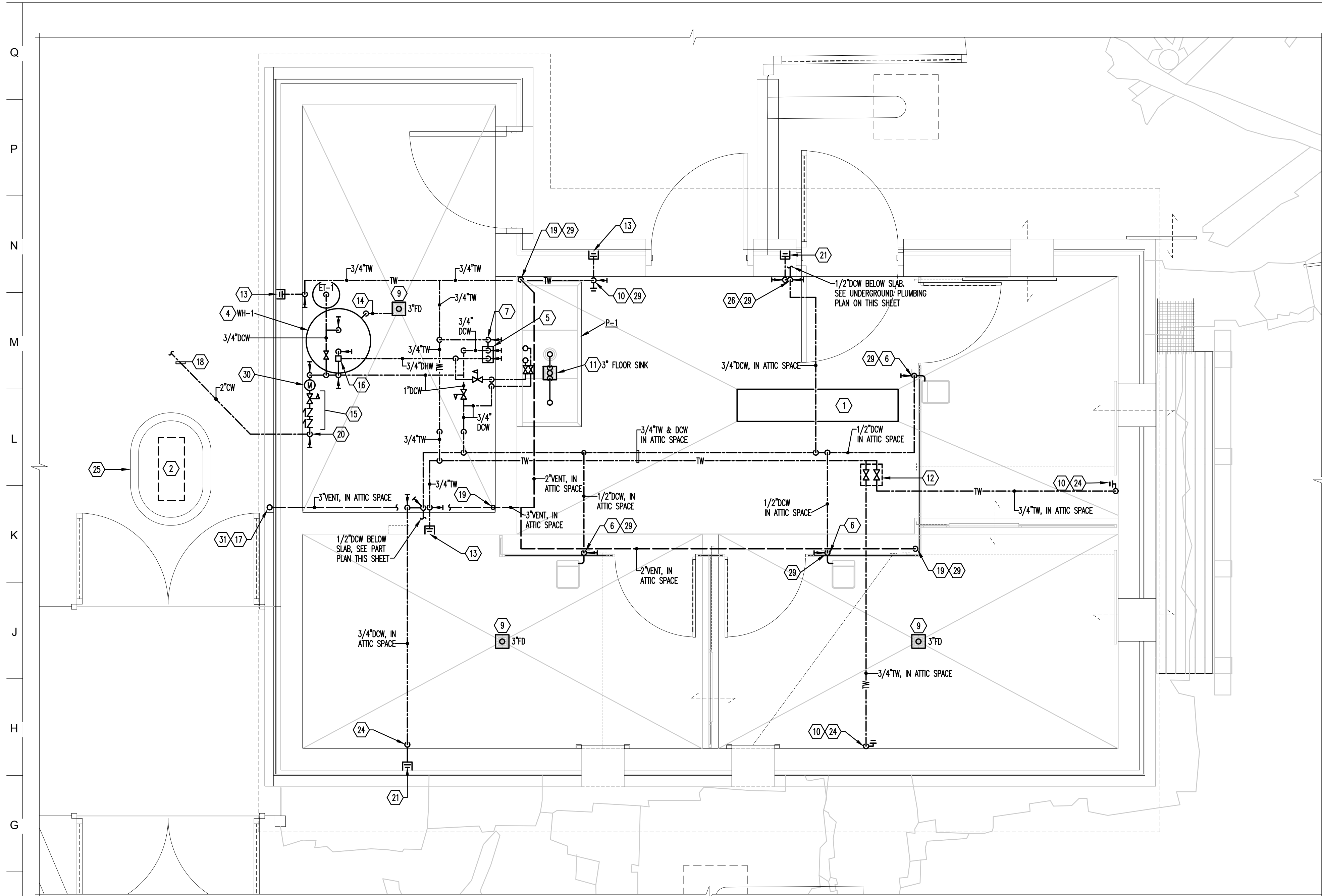
**SEAL:**

DATE:	JANUARY 14, 2025
PROJECT NO:	2023-10.04
DRAWN BY:	KWA
CHECKED BY:	KWA
SUBMISSION DATE:	DATE
BID SET:	01/14/2025
REVISION:	DATE
ADDENDUM #1:	02/03/2025

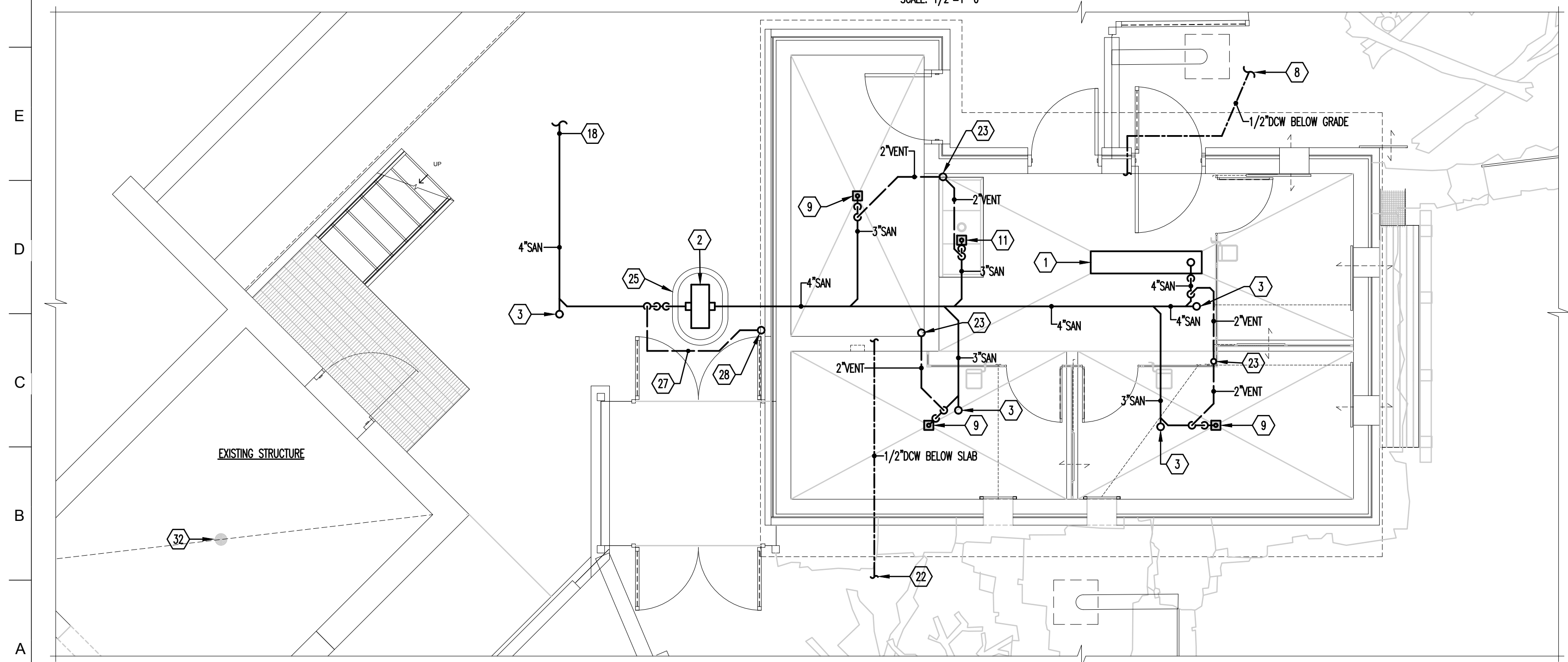
**DRAWING TITLE:**  
 HOLDING BUILDING -  
 PLUMBING - NEW WORK

**DRAWING NO:**  
**P-101**

- DRAWING NOTES:**
- 1) PROVIDE NEW 12" WIDE AND 60" LONG TRENCH DRAIN.
  - 2) PROVIDE SOLIDS INTERCEPTOR BELOW GRADE IN CONCRETE VAULT. REFER TO SOLIDS INTERCEPTOR DETAIL ON SHEET P-501.
  - 3) SANITARY PIPE UP TO CLEANOUT AT FLOOR ABOVE.
  - 4) PROVIDE WATER HEATER. MOUNT TO 4" HIGH HOUSEKEEPING PAD. REFER TO WATER HEATER DETAIL ON SHEET P-501. REFER TO WATER HEATER SCHEDULE ON SHEET P-001.
  - 5) PROVIDE MIXING STATION WITH ADJUSTABLE BALL VALVES AND TEMPERATURE GAUGE. REFER TO MIXING STATION DETAIL ON SHEET P-501.
  - 6) 1/2"DCW DOWN TO WATER BOWL. SECURE PIPE TO CAGING. REFER TO WATER BOWL CONNECTION DETAIL ON SHEET P-501.
  - 7) 3/4" TEMPERED WATER FROM MIXING VALVE TO HOSE BIBBS.
  - 8) 1/2"DCW BELOW GRADE TO WATER BOWL IN HABITAT. REFER TO HABITAT B PLAN ON SHEET P-102 FOR CONTINUATION.
  - 9) PROVIDE FLOOR DRAIN WITH TRAP AND 3" SAN CONNECTION.
  - 10) PROVIDE TEMPERED WATER DOWN ALONG WALL TO HOSE BIBB. ANCHOR PIPE TO WALL AT HOSE BIBB AT EVERY 48" ALONG WALL.
  - 11) PROVIDE FLOOR SINK BELOW COMPARTMENT SINK. DRAIN COMPARTMENT SINK TO FLOOR SINK WITH AIR GAP. PROVIDE FLOOR SINK WITH TRAP AND 3" SAN CONNECTION.
  - 12) PROVIDE 8"x8" ACCESS DOOR IN CEILING FOR HOSE BIBB ISOLATION BALL VALVES.
  - 13) PROVIDE RECESSED WALL HYDRANT CONNECTED TO TEMPERED WATER. HYDRANTS EXPOSED TO THE EXTERIOR SHALL BE FREEZE-PROOF TYPE.
  - 14) RELIEF FITTING FROM HOT WATER HEATER ALONG FLOOR TO FLOOR DRAIN.
  - 15) BACKFLOW PREVENTER, PRESSURE REDUCING VALVE AND SEDIMENT FILTER ON INCOMING DOW LINE. REFER TO COLD WATER INLET DETAIL ON SHEET P-501.
  - 16) MIXING VALVE FOR DOMESTIC WATER HEATER. REFER TO DOMESTIC HOT WATER MIXING VALVE DETAIL ON SHEET P-501.
  - 17) PROVIDE 3" VENT THROUGH WALL AND UP TO ATMOSPHERE. TERMINATE VENT AT LEAST 60" ABOVE OA INTAKE LOUVER.
  - 18) COORDINATE WITH CIVL DIVISION TO CONNECT 4" SAN AND 2" CW FOR NEW HOLDING BUILDING TO 8" SAN AND 2" CW. CONNECTIONS PROVIDED BY CIVL DIVISION.
  - 19) 2" VENT DOWN THROUGH FLOOR.
  - 20) PROVIDE 2" CW UP THROUGH SLAB THEN REDUCE TO 1-1/4" CW PRIOR TO FITTINGS.
  - 21) PROVIDE RECESSED WALL HYDRANT CONNECTED TO DOMESTIC COLD WATER. HYDRANTS EXPOSED TO THE EXTERIOR SHALL BE FREEZE-PROOF TYPE.
  - 22) 1/2" CW BELOW GRADE TO WATER BOWL IN HABITAT. REFER TO HABITAT A PLAN ON SHEET P-102 FOR CONTINUATION.
  - 23) 2" VENT UP TO ATTIC SPACE.
  - 24) PROVIDE COVER PLATE OVER PIPING IN ANIMAL STALL. REFER TO CG001 FOR DETAILS AND NOTES. WHERE ACCESS TO HOSE BIBBS IS REQUIRED, PROVIDE HINGED ASSEMBLY WITH QUARTER TURN LATCH FOR COVER PLATES.
  - 25) CONCRETE VAULT. REFER TO CIVL DRAWINGS FOR DETAIL.
  - 26) DROP DOW DOWN ALONG WALL. PROVIDE BALL VALVE TO ISOLATE HOSE BIBB AND HABITAT WATER BOWL.
  - 27) 2" VP UNDERGROUND.
  - 28) 2" VP UP ALONG EXTERIOR OF BUILDING.
  - 29) INSTALL PIPE ESCUTCHEON AT PIPE PENETRATION THROUGH CEILING.
  - 30) PROVIDE METRON-FARNIER SPECTRUM SINGLE JET WATER METER. PROVIDE METER WITH WN-LITE REGISTER THAT WILL ALLOW COMMUNICATION WITH WATERSCOPE DASHBOARD. CONTRACTOR TO COORDINATE INSTALLATION WITH MWMR WATER. CONTACT: ANNICKI CHAMBERLAIN PHONE: 929-910-0149 EMAIL: annicki@mimirwater.com
  - 31) DROP 2" VP DOWN BELOW GRADE.
  - 32) CONFIRM THAT DRAINAGE FROM EXISTING FLOOR DRAIN FLOWS UNOBSTRUCTED. CLEAR BLOCKAGE IF DOES NOT. TYPICAL AT TWO LOCATIONS IN EXISTING STRUCTURE.



**HOLDING BUILDING - PLUMBING - NEW WORK**  
 SCALE: 1/2"=1'-0"



**HOLDING BUILDING - UNDERGROUND PLUMBING - NEW WORK**  
 SCALE: 1/4"=1'-0"