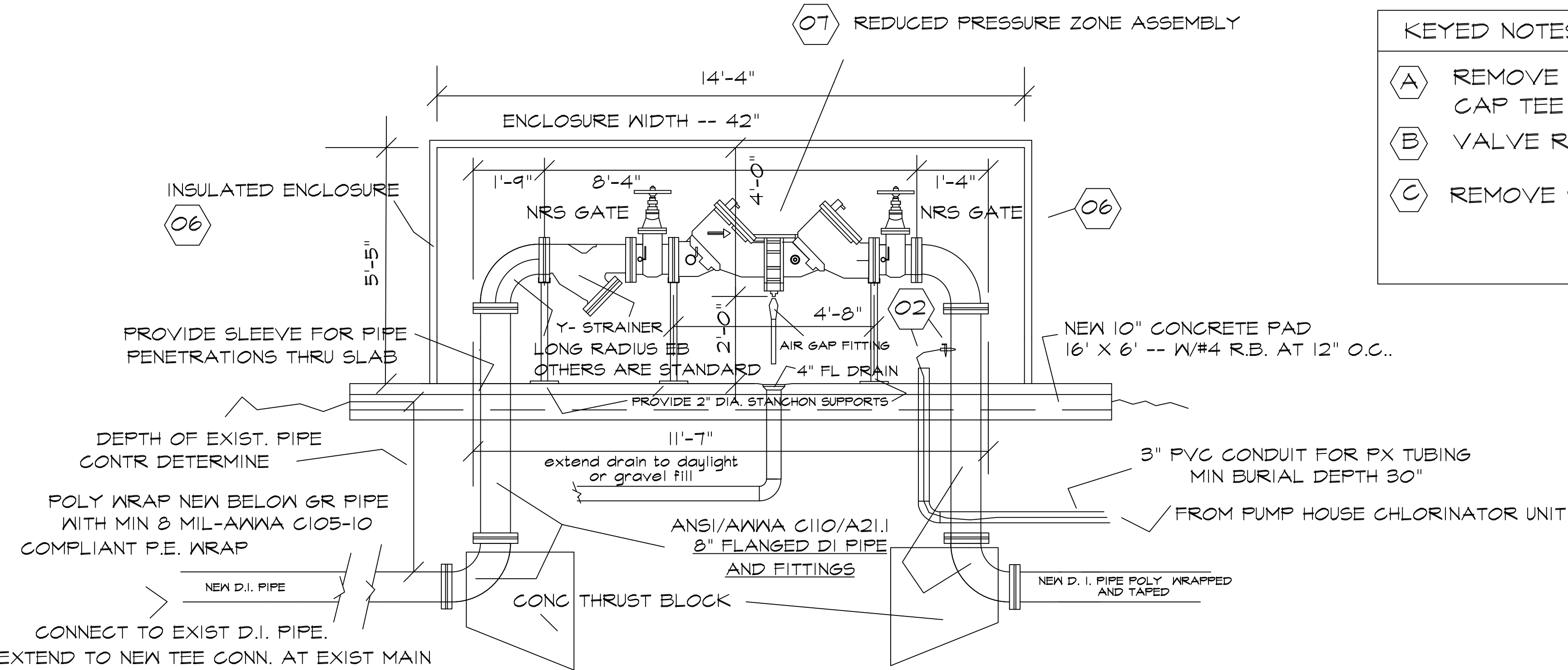
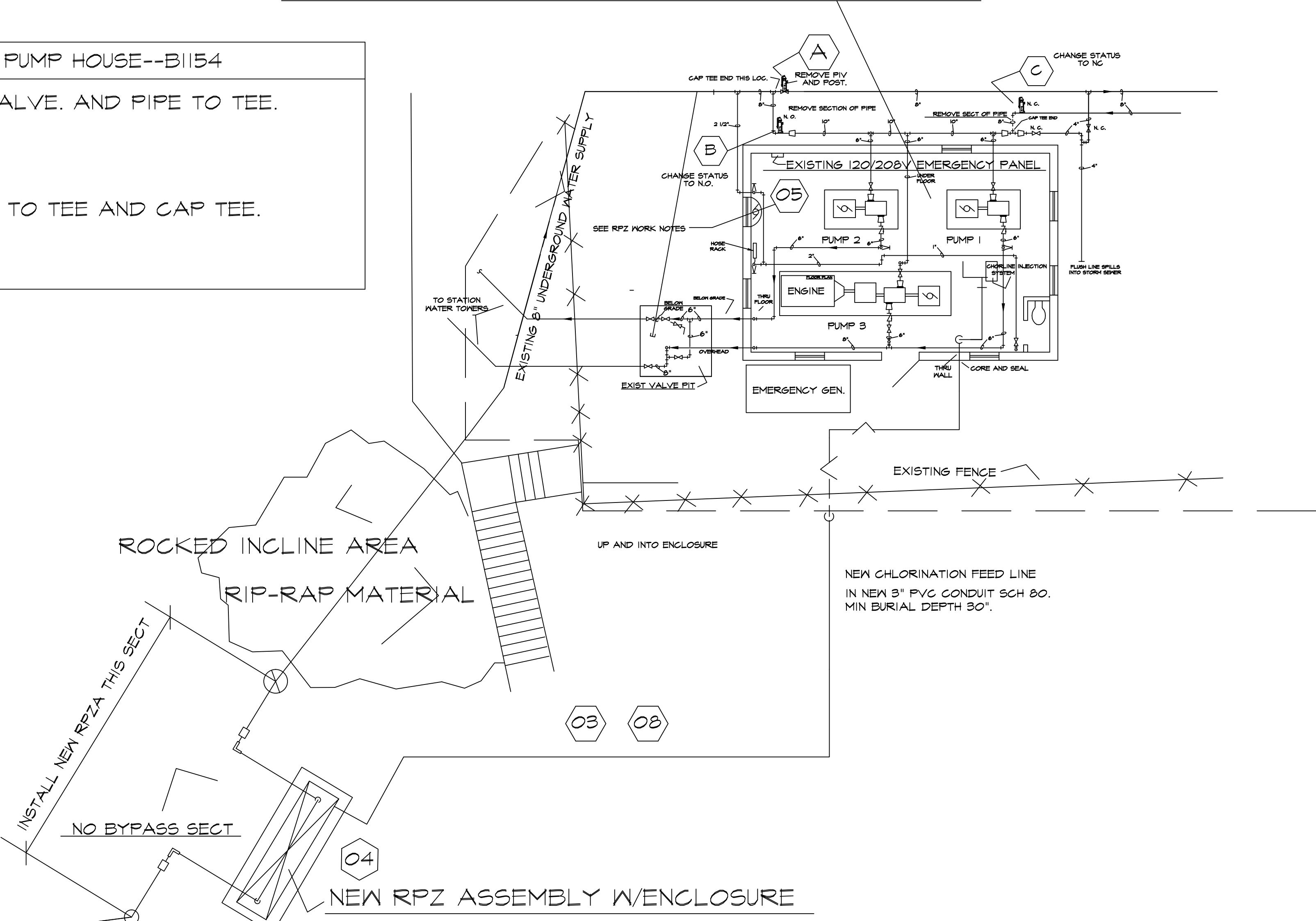


PUMP STATION B1154 AND PIPING



RPZA INSTALLATION DETAIL
AS DIMENSIONED

- KEYED NOTES/MISC WORK AT PUMP HOUSE--B1154
- (A) REMOVE FIV POST AND VALVE. AND PIPE TO TEE. CAP TEE END.
 - (B) VALVE REMAINS N. O.
 - (C) REMOVE SECTION OF PIPE TO TEE AND CAP TEE.



EXIST AREA LOCATION PLAN
APPROX: 1/8"=1'-0"

- MIN MATERIAL SPECIFICATION REQUIREMENTS/EXTERIOR PIPE AND FITTINGS.
- (01) PROVIDE SUBMITTALS ON EXTERIOR PIPE AND FITTINGS AND ASSOCIATED COMPONENTS.
 - (02) PIPE AND FITTINGS SHALL COMPLY WITH APPLICABLE AWWA STANDARDS. AWWA C110, C111, C115, C150, C151, AND C153. JOINTS FOR D.I. PIPE AND FITTINGS SHALL BE MECHANICAL, PUSH-ON, OR FLANGED. UNLESS A SPECIFIC JOINING METHOD IS SHOWN.
 - (03) D.I. PIPE SHALL BE CEMENT LINED, WITH EXTERIOR SURFACES COATED WITH AN ASPHALTIC COATING.
 - (04) PRESSURE RATING OF NEW D.I. PIPE SHALL BE EQUAL TO OR GREATER THAN EXISTING.
 - (05) ALL WORK SHALL COMPLY WITH I.P.C. (INTERNATIONAL PLUMB CODE) AND ARK. PLUMB CODE.



- KEYED NOTES
- (01) INSTALL NEW RPZA - ABOVE GRADE IN INSULATED ENCLOSURE AS SHOWN, IN LOCATION INDICATED.
 - (02) INSTALL A BRASS TAP-FITTING IN NEW WATER SUPPLY PIPING TO NEW RPZ VALVE, FOR CONNECTION TO CHLORINE INJECTION SYSTEM.
 - (03) EXTEND 3/8" PLASTIC PX TUBING IN 3" SCHEDULE 80 PVC PIPE FROM PUMP HOUSE LOCATION TO RPZ LOCATION AND CONNECT AT NEW TAP FITTING AT DISCHARGE OF RPZ VALVE LOC. MATCH EXISTING TUBING SPEC FOR CHLORINE INJECTION TUBING.
 - (04) APPROXIMATE LOCATION OF NEW RPZ AND ENCLOSURE. OFFSET AT CENTER OF EXISTING SECTION. SEE PLAN DETAIL.
 - (05) EXTEND 208 V CIRCUIT FROM EXISTING EMERGENCY PANEL TO NEW ENCLOSURE. ROUTE MIN 1" COND AND 4 #10 WIRES TO J-BOX AND FUSED DISCONNECT SWITCH IN ENCLOSURE. PROVIDED RECOMMENDED HEATER AND INSTALL PER BOX MANUFACTURER REQUIREMENTS.
 - (06) INSULATED BOX ENCLOSURE EQUAL TO WATTSBOX W8-NIOS.
 - (07) PROVIDE REDUCED PRESSURE ZONE ASSEMBLY - EQUAL TO WATTS REGULATOR LF909- INSTALL PER MFG WRITTEN INSTRUCTIONS.
 - (08) CHLORINATION FEED LINE FOR INJECTION INTO PIPING SHALL BE TUBING PER CHLORINE INJECTION SYSTEM MFG. (PHIGENICS) @ PHIGENICS.COM.
 - (09) PROVIDE ALL NEW PIPE AND FITTINGS AS REQUIRED TO MAKE OFFSET AND INSTALL NEW RPZ ASSEMBLY, AND CONNECT TO EXISTING PIPING. COMPLY W/AWWA STANDARDS, AND APPLICABLE CODE REQUIREMENTS.
 - (10) AT TIE LOCATIONS, PROVIDE FITTINGS AS REQ TO MAKE JOINT CONN. WHERE HUB OR MJ FITTINGS ARE USED PROVIDE MEGA-LUG JOINT RESTRAINTS. SYMBOL (RL)
 - (11) REPAIR ANY DAMAGE TO EXISTING PIPING, AND/POLY WRAP WHERE EXISTING PIPING IS ACCESSED OR EXPOSED.
 - (12) PROVIDE BEDDING FOR NEW BELOW GRADE PIPING. MATCH EXISTING. USE MARKING TAPE, MATCH THAT EXISTING.
 - (13) INSTALL NEW QUICK ACTION CHECK VALVE IN CONCRETE VALVE BOX THIS LOCATION. NEW CHECK SHALL BE EQUAL TO VAL-MATIC 500A. PROVIDE NECESSARY FITTING CONNECTIONS AS REQ'D FOR INSTALL. PROVIDE SUPPORT FOR VALVE & FITTINGS AND BOX DRAIN. INSTALL PER MFG. INSTRUCTIONS. SIZE BOX FOR ACCESS AND REMOVAL.