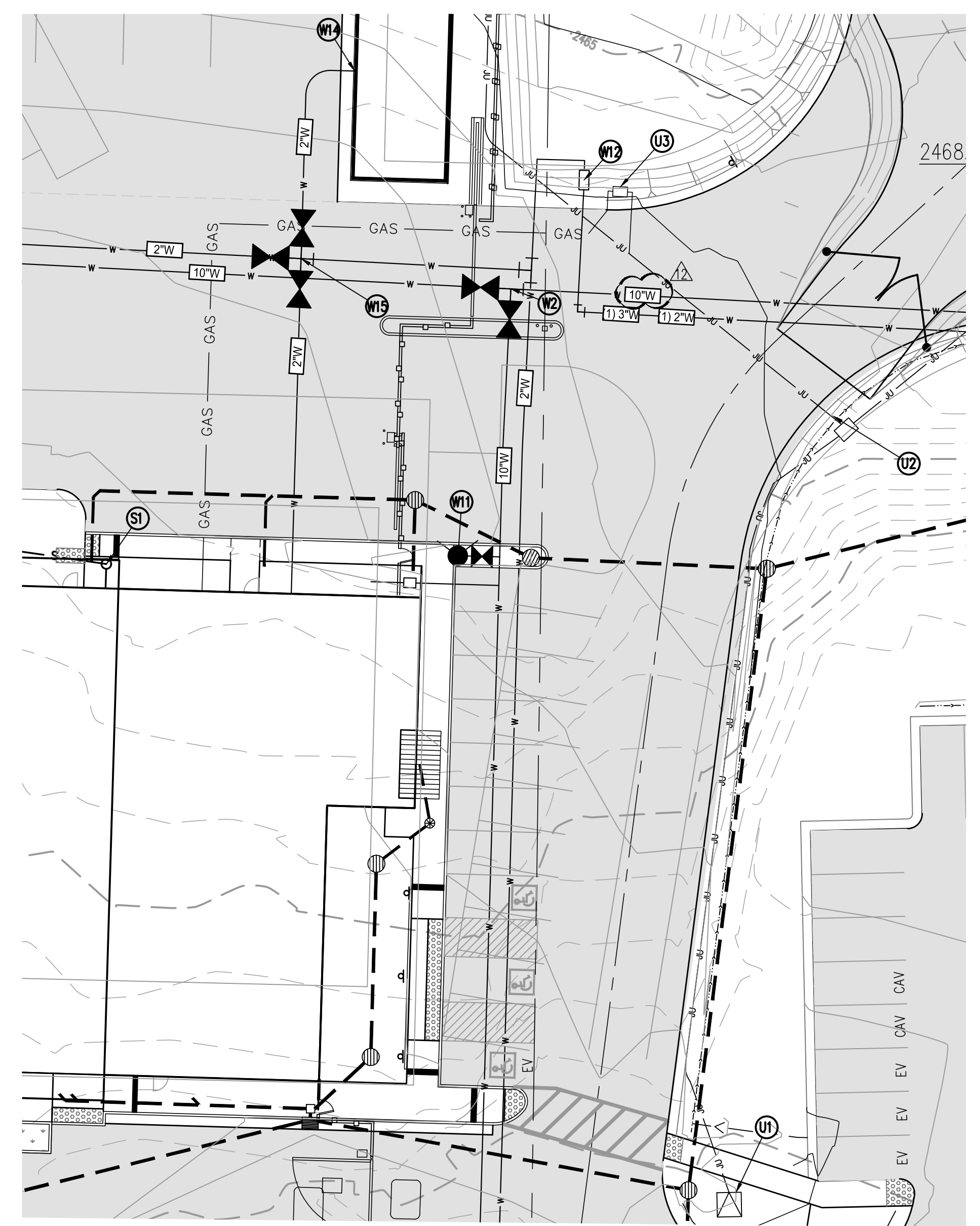
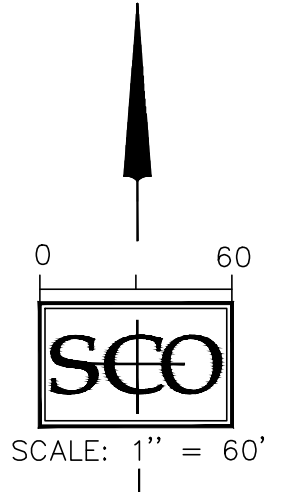


LEGEND

| | |
|--|---|
| | ASPHALT PAVEMENT (SEE DETAIL 9 SHEET C11) |
| | EXISTING ASPHALT PAVEMENT |
| | GRAVEL (COMPACTED TO 95% R.C.) |
| | DIRT (COMPACTED TO 90% R.C.) |
| | CONCRETE |
| | PROPOSED PVC SDR35 SEWER LINE (SIZE AS NOTES) |
| | PROPOSED SANITARY SEWER CLEANOUT |
| | PROPOSED WATER MAIN (SIZE AS NOTED) |
| | PROPOSED WATER VALVE |
| | PROPOSED FIRE HYDRANT |
| | EXISTING WATER MAIN |
| | EXISTING OVERHEAD UTILITIES (E.T.CATV) |
| | EXISTING GAS MAIN |
| | PROPOSED STORM PIPE (SIZE AS NOTED) |
| | PROPOSED FLOWLINE/SWALE |
| | PROPOSED JOINT TRENCH |
| | PROPOSED TRANSFORMER |



UTILITIES BLOW-UP
1" = 20'



DATE SIGNED: 3-6-2019

WATER NOTES:

- 01 - INSTALL 16x16x8 TAPPING SLEEVE AND 8" GATE VALVE. CONTRACTOR TO HOT TAP AND COORDINATE WITH N.I.D.. CONTINUE WITH 8" PVC C900 WATER MAIN. SEE NID DETAILS SD1, SD2, SD3/SHT C13, SD4/SHT C14.
- 02 - INSTALL 10"x10"x10" TEE 10" GATE VALVES TO SOUTH AND WEST. SEE NID DETAILS SD2/SHT C13, SD4/SHT C14.
- 03 - INSTALL 10" 90 DEGREE ELBOW. SEE NID DETAIL SD2.
- 04 - INSTALL 6"x6"x6" TEE WITH TWO (2) 6" GATE VALVES TO EAST AND WEST AND 6"x10" INCREASER TO SOUTH. SEE NID DETAILS SD1, SD2, SD3/SHT C13, SD4/SHT C14.
- 05 - INSTALL 8" PRIVATE FIRE SERVICE - SINGLE DETECTOR CHECK ASSEMBLY WITH POST INDICATOR VALVE AND FIRE DEPARTMENT CONNECTION WITH TRAFFIC RATED VAULT AND LID. COORDINATE FINAL LOCATION WITH FIRE DEPARTMENT PRIOR TO INSTALLATION. SEE N.I.D. DETAIL SD14/SHT C15.
- 06 - INSTALL 6" PRIVATE FIRE SERVICE - SINGLE DETECTOR CHECK ASSEMBLY WITH POST INDICATOR VALVE AND FIRE DEPARTMENT CONNECTION WITH TRAFFIC RATED VAULT AND LID. COORDINATE FINAL LOCATION WITH FIRE DEPARTMENT PRIOR TO INSTALLATION. SEE N.I.D. DETAIL SD14/SHT C15.
- 07 - INSTALL FIRE HYDRANT ASSEMBLY COMPLETE WITH BARRIER POSTS (4). SEE NID DETAIL SD8, SD17/SHT C15.
- 08 - INSTALL 6" PVC C900 FIRE LINE FROM PRIVATE FIRE SERVICE TO FIRE RISER ROOM. (TYPICAL). SEE NID DETAILS SD1, SD3/SHT C13.
- 09 - INSTALL 6" 90 DEGREE ELBOW. SEE N.I.D. DETAIL SD2/SHT C13. SEE FIRE PROTECTION PLANS. PLANS FOR SPECIFICS ON ENTRY LOCATION TO BUILDING (TYPICAL).
- 10 - INSTALL 10"x10"x4" TEE W/ 8" GATE VALVE AND 10"x6" REDUCER AND 6" GATE VALVE TO SOUTH AND 22.5 DEGREE ELBOW FOR HYDRANT ASSEMBLY. SEE N.I.D. DETAILS SD1, SD2, SD3/SHT C13 AND SD4/SHT C14.
- 11 - INSTALL 8" x 6" REDUCER AND FIRE HYDRANT ASSEMBLY COMPLETE WITH BARRIER POSTS (4). SEE N.I.D. DETAILS SD8/SHT C14, SD17/SHT C15.
- 12 - INSTALL FIRE HYDRANT ASSEMBLY. SEE NID DETAIL SD8/SHT C14, SD17/SHT C15.
- 13 - INSTALL 3"x2" REDUCER W/2" GATE VALVE FOR DOMESTIC SUPPLY LINE IN LANDSCAPE BOX. CONTINUE 2" LANDSCAPE IRRIGATION LINE TO CONNECTION POINT PER LANDSCAPE PLANS.
- 14 - CONSTRUCT 2" POLYETHYLENE SERVICE LINES WHERE SHOWN WITH 2" ISOLATION VALVES AND TRAFFIC RATED VALVE BOXES TO GRADE.
- 15 - SEE PLUMBING/MECHANICAL PLANS FOR SPECIFICS ON ENTRY LOCATION TO BUILDING OR ACCESSORY FACILITIES.
- 16 - INSTALL 2" WATER VALVES AS SHOWN WITH A VALVE BOX TO GRADE
- 17 - INSTALL AIR RELEASE VALVE.
- 18 - INSTALL WATERLINE BLOW-OFF.
- 19 - INSTALL 1" WATER METER (IRRIGATION) AND BACKFLOW PREVENTION DEVICE. CONTINUE WITH 2" IRRIGATION LINE. SEE NID DETAIL SD11 & SD22/SHT C14.
- 20 - INSTALL 2" WATER METER (DOMESTIC) AND BACKFLOW PREVENTION DEVICE. CONTINUE WITH 3" DOMESTIC LINE. SEE NID DETAIL SD13 & SD22/SHT C14.
- 21 - INSTALL UTILITY TRENCH PER NID REQUIREMENTS WITH ONE (1) 3" P.E. LINE (DOMESTIC), ONE (1) 2" P.E. LINE (IRRIGATION) AND ONE (1) 3" P.E. LINE (SPARE). STUB 3" LINE (SPARE) W/CAP AT IRRIGATION LINE 90° ELBOW.
- 22 - STUB 3" LINE (SPARE) W/CAP.

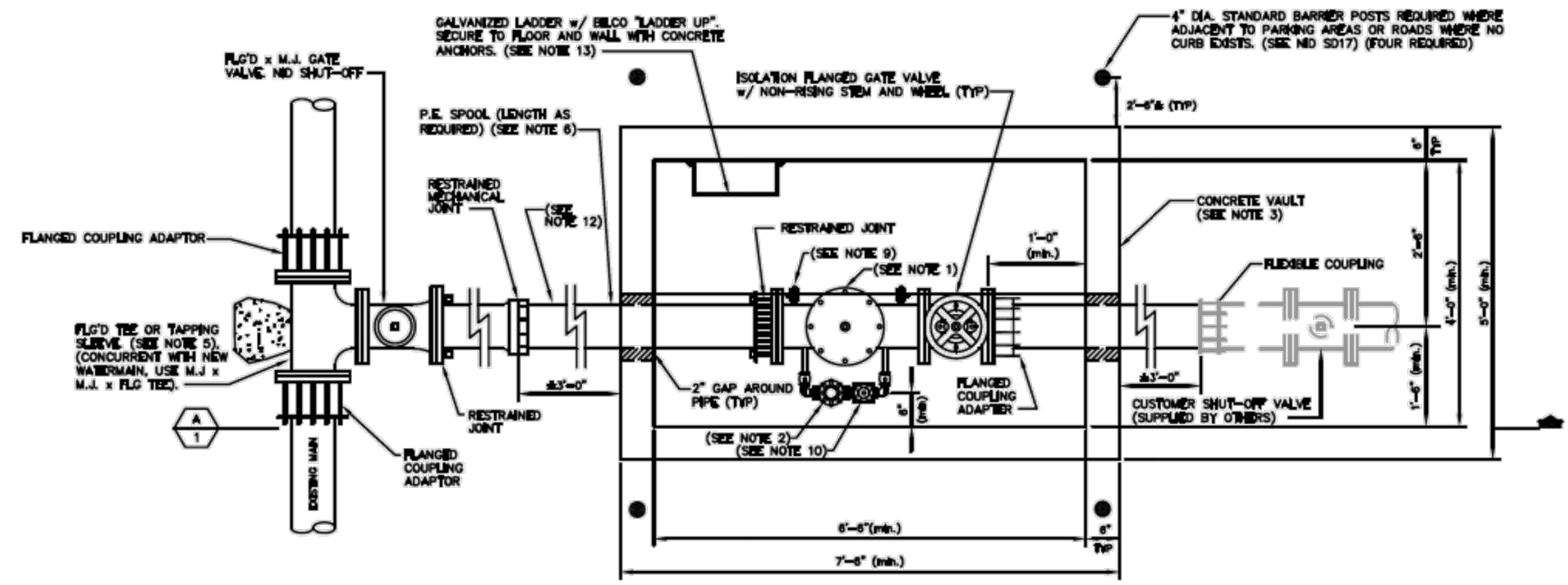
SEWER NOTES:

- 01 - INSTALL 2-WAY CLEANOUT TO GRADE. SEE TRUCKEE SANITARY DISTRICT FIGURE 10/SHT C12.
- 02 - INSTALL CLEANOUT TO GRADE. SEE TRUCKEE SANITARY DISTRICT FIGURE 10/SHT C12.
- 03 - INSTALL 6" PVC SDR35 SEWER LATERAL TO SEPTIC TANK AND LEACH SYSTEM (SEE JENSEN SEPTIC DESIGN BY H&K FOR SPECIFICS DET 13/SHT C11). S = 1% MIN.
- 04 - SEE SEPTIC DESIGN BY OTHERS (SEE JENSEN DESIGN BY H&K FOR TANK AND GENERAL SEPTIC SYSTEM DESIGN SPECIFICS, DET 13/SHT C11).
- 05 - INSTALL 320 GALLON JENSEN SAND-OIL INTERCEPTOR, SEE DETAIL 13/SHT 11. INLET INVERT = 2462.03, OUTLET INV = 2461.77
- 06 - INSTALL 1000 GALLON JENSEN SAND OIL INTERCEPTOR, SEE DETAIL 13/SHT 11.
- 07 - INSTALL TWO-WAY CLEANOUT TO GRADE. SEE TRUCKEE SANITARY DISTRICT FIGURE 10/SHT C12. CAP LINE FOR FUTURE EXTENSION.
- 08 - INSTALL 6" PVC C-900 SEWER LATERAL TO SEPTIC TANK AND LEACH SYSTEM (SEE JENSEN SEPTIC DESIGN BY H&K FOR SPECIFICS DET 13/SHT C11). S = 0.5% MIN.
- 09 - INSTALL 6" PVC SDR35 SEWER LATERAL TO SEPTIC TANK AND LEACH SYSTEM (SEE JENSEN SEPTIC DESIGN BY H&K FOR SPECIFICS DET 13/SHT C11). S = 0.5% MIN.
- 10 - INSTALL CLEANOUT TO GRADE. SEE TRUCKEE SANITARY DISTRICT FIGURE 10/SHT C12. INV. ELEV. 2461.34.

DRY UTILITY NOTES:

- 01 - JOINT UTILITY TRENCH ALIGNMENT AND TRANSFORMER LOCATION SHOWN FOR GENERAL LOCATION ONLY. SEE SPECIFIC ELECTRIC AND GAS DESIGN BY P.G.&E. AND TELEPHONE DESIGN BY A.T.&T. FOR SPECIFIC DESIGN CRITERIA AND SPECIFIC CONNECTION TO EXISTING MAINLINES WITHIN LOBARR MEADOWS ROADWAY RIGHT OF WAY. ADDITIONALLY, SEE SITE ELECTRICAL/MECHANICAL CONSULTANT PLANS FOR SPECIFICS.
- 02 - SEE ELECTRIC, TELEPHONE AND COMMUNICATION PLANS BY UTILITY PROVIDER AND INSTALL BOXES/VAULTS AS DESIGNED BY OTHERS.
- 03 - INSTALL GAS METER. SEE PLUMBING PLANS FOR CONTINUATION AND CONNECTION.
- 04 - DRY UTILITIES CONNECTION TO INCLUDE CONNECTION TO EXISTING OVERHEAD UTILITIES ON EASTERLY SIDE OF LOBARR MEADOWS RD, DOWN BY A NEW DROP POLE AND GUY SUPPORTS AND CONTINUING UNDERGROUND WESTERLY INTO THE PROJECT. GAS CONNECTION WILL OCCUR IN LOBARR MEADOWS ROW AND CONTINUE WESTERLY TO MEET WITH PROPOSED JOINT TRENCH ALIGNMENT. CIVIL PLANS SHOW GENERAL ALIGNMENT FOR UTILITIES, HOWEVER CONTRACTOR IS ADVISED TO UTILIZE POLE, AT&T, AND OTHER DRY UTILITY SCHEMATIC DRAWINGS FOR DETAILED DESIGN, DETAILS AND SPECIFIC INSTALLATION CRITERIA. CONTRACTOR BID SHALL INCLUDE INSTALLATION OF DRY UTILITIES TO FULL OPERATIONAL COMPLETENESS PER THE REQUIRED SPECIFICATIONS AND REQUIREMENTS OF THE RESPECTIVE UTILITIES (A.T.&T., P.G.&E. & COMCAST).

811 CONTRACTOR SHALL CONTACT 811 FOR LOCATION OF ALL UTILITIES, AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION

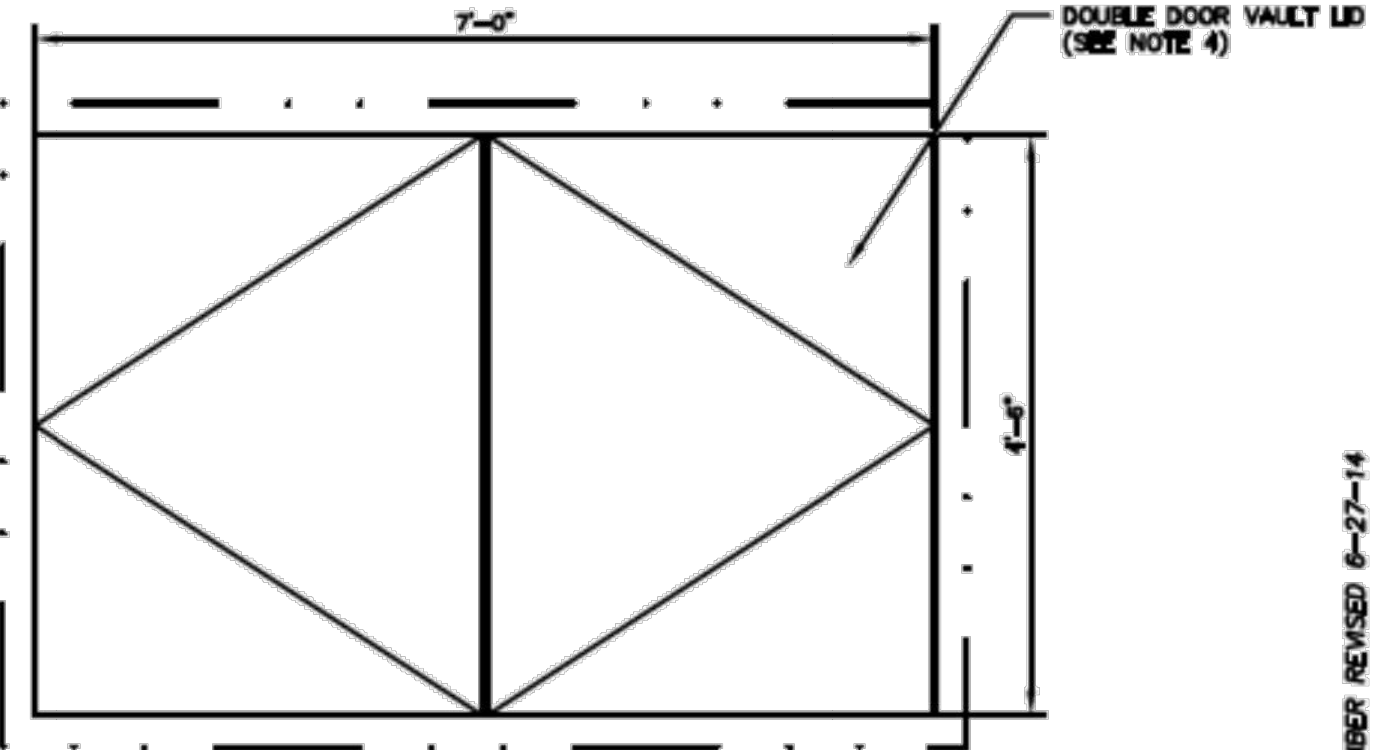
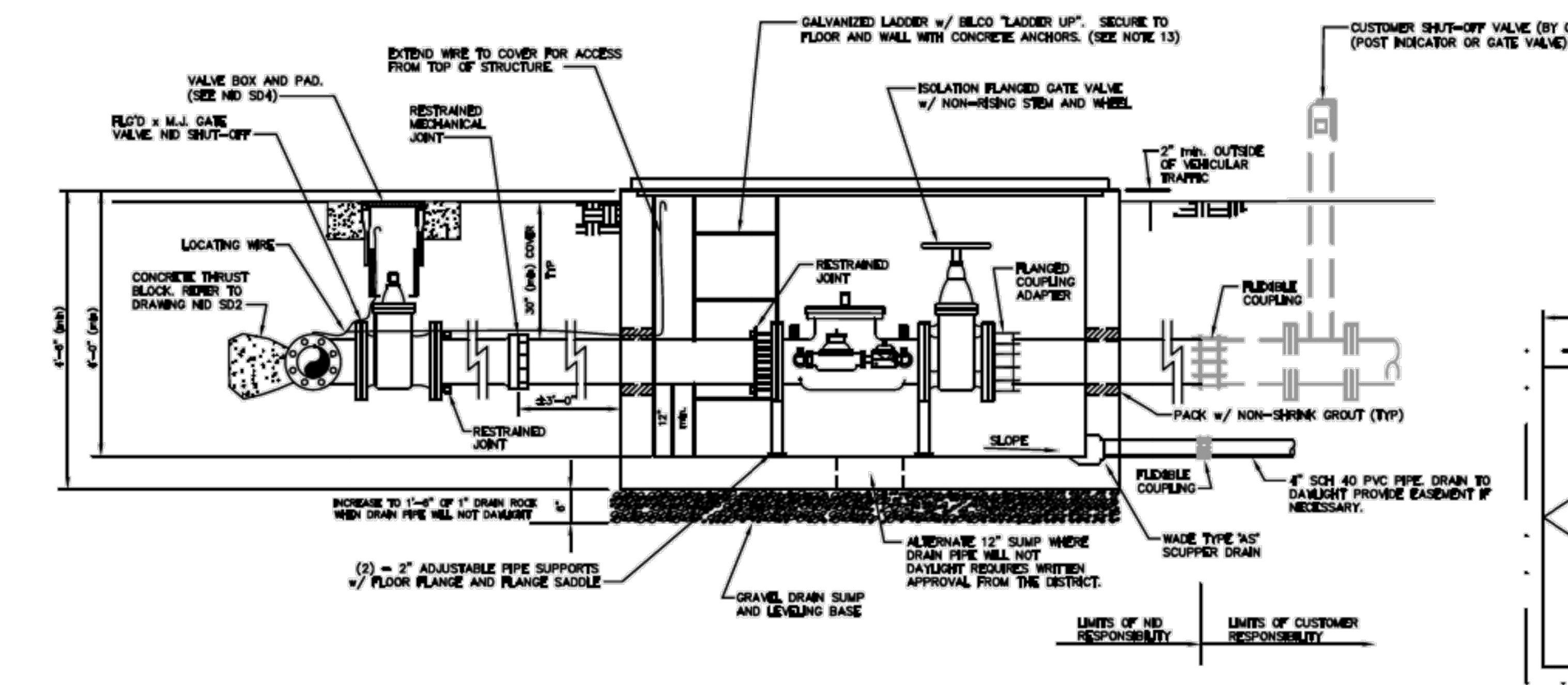


- NOTES:**
1. DETECTOR CHECKS SHALL BE AMES 1000 SERIES
 2. DETECTOR METER SHALL BE A 3/8" SENSUS OR II METER w/ AN ELECTRONIC COMMUNICATIONS REGISTER (ECR) AND METER TRANSDUCER UNIT (MTU), 100 PSI ELECTRONIC READ. FOR DEVELOPER PROJECTS, THE REDUCED PRESSURE DEVICE SHOULD BE PURCHASED WITHOUT METER. THE METER SHALL BE PURCHASED THROUGH AND INSTALLED BY NID.
 3. THE VAULT SHALL BE BROOKS 500 4'-0" x 8' 6" OR APPROVED EQUIVALENT. A POURED-IN-PLACE REINFORCED VAULT IS ALLOWED ONLY WITH PRE-APPROVED ENGINEERED DRAWINGS AND SHALL CONFORM TO NID STANDARD SPECIFICATIONS.
 4. THE VAULT LID SHALL BE PARKWAY LOADING, ALUMINUM TWO PIECE TORSION-ASSIST LID (READING LID NOT NECESSARY) ANY VAULT IN A ROADWAY AREA WILL REQUIRE SPECIAL PERMISSION AND A GALVANIZED STEEL LID MEETING H20 LOADING.
 5. HOT TAPPING OF MAINS MAY BE ALLOWED FOR LATERALS NOT EXCEEDING 75% OF THE DIAMETER OF THE MAIN, AND NOT ON A.C. OR CAST IRON PIPES. TAPPING SLEEVES TYPES WILL BE AS DETERMINED BY THE DISTRICT.
 6. LATERALS SHALL BE DUCTILE IRON PIPE w/ CEMENT MORTAR LINING. MECHANICAL JOINTS AND RETAINER RINGS. THE LATERAL SHALL PROVIDE POSITIVE RESTRAINT BETWEEN THE WATER MAIN AND THE CUSTOMER PIPE.
 7. FLANGED JOINTS CAN REPLACE MECHANICAL JOINTS w/ PRIOR DISTRICT APPROVAL.
 8. ALL MATERIALS AND WORK SHALL CONFORM TO NID STANDARD SPECIFICATIONS - PROVIDE SUBMITTALS ON ALL MATERIALS AND EQUIPMENT.
 9. LOCKING TEST COCK SHALL BE MULLER B-20200, FORD B111-233 OR APPROVED EQUIVALENT FOR 8" OR LARGER.
 10. METER CHECK VALVE SHALL BE WATER TIGHT.
 11. LOCATE VAULT ON APPLICANT'S PROPERTY. VAULT WILL NOT BE ALLOWED WITHIN COUNTY ROAD RIGHT OF WAY. APPLICANT SHALL GRANT AN EASEMENT TO NID FOR OPERATION, MAINTENANCE & REPLACEMENT.
 12. 4" FIRE SERVICES: INSTALL 4" x 6" REDUCER UPSTREAM OF VAULT.
 13. LADDER UP NOT REQUIRED WHERE SHALLOW DEPTH PROHIBITS.

LATERAL SIZING

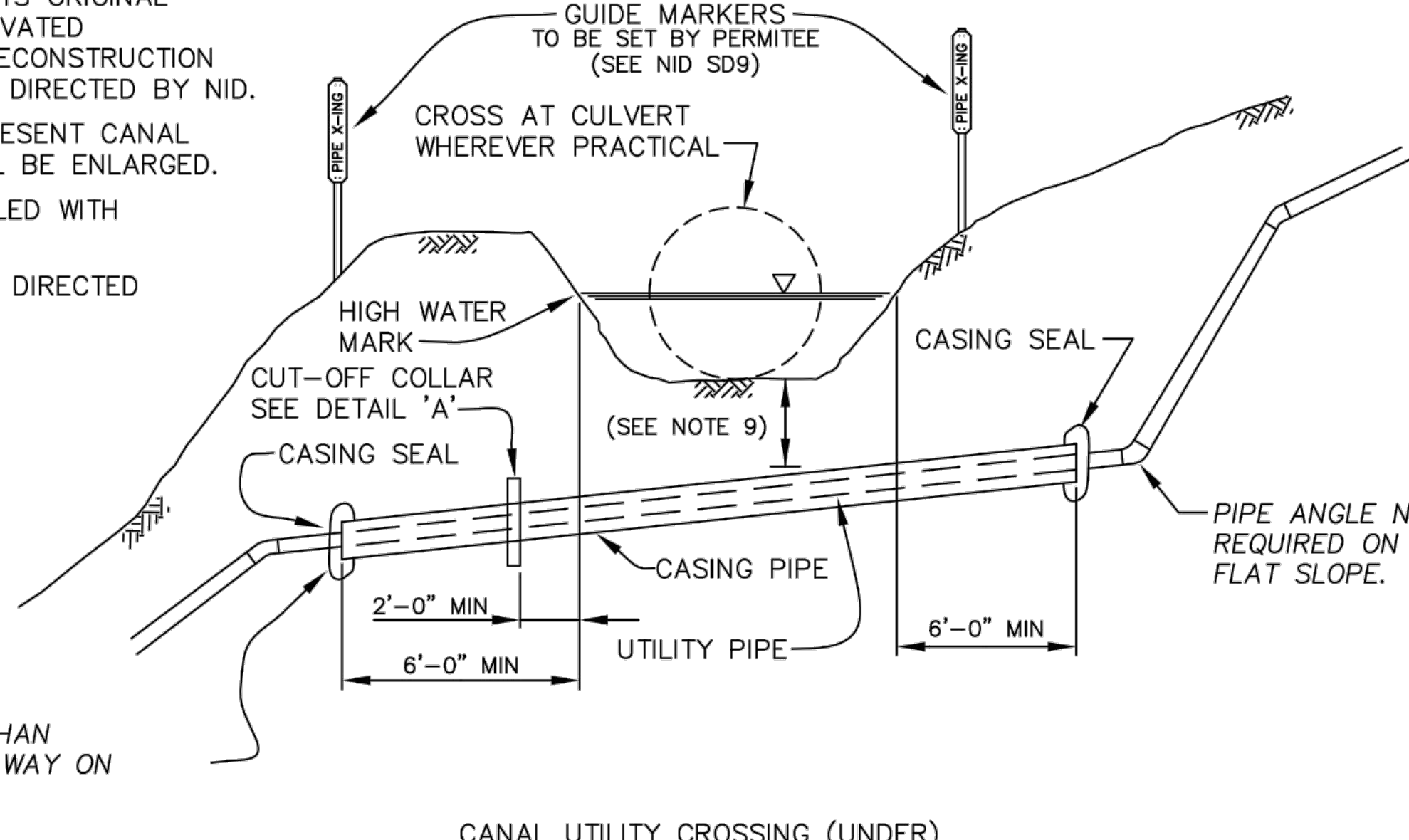
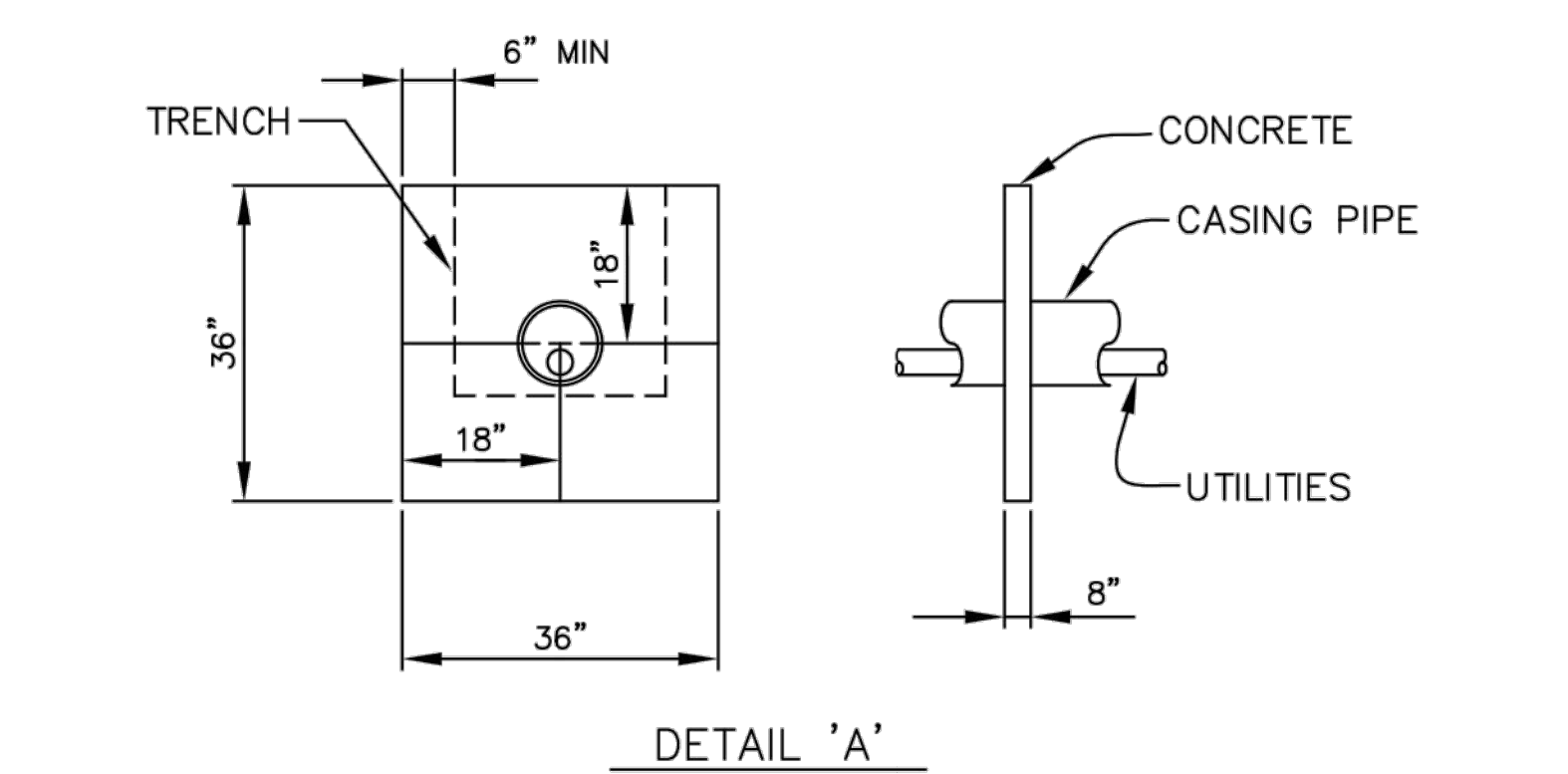
| DETECTOR CHECK SIZE | 1) MAXIMUM FLOW CAPACITY | 2) MINIMUM SERVICE LATERAL DIAMETER |
|---------------------|--------------------------|-------------------------------------|
| 4" (SEE NOTE 10) | 600 G.P.M. | 6" |
| 6" | 1200 G.P.M. | 8" |
| 8" | 2400 G.P.M. | 8" |

1. ACTUAL AVAILABLE FIVE FLOW IS DEPENDENT ON THE WATER SYSTEMS CAPABILITIES.
2. THE DISTRICT MAY REQUIRE LARGER DIAMETER SERVICE LATERALS & DETECTOR CHECKS IN CERTAIN SITUATIONS.



PRIVATE FIRE SERVICE—SINGLE DETECTOR CHECK NOT TO SCALE NID SD14

- NOTES:**
1. CROSS THE CANAL UNDER A CULVERT WHEREVER PRACTICAL. CENTER THE CROSSING ON THE CULVERT PIPE.
 2. WATERLINE, ELECTRICAL, AND TELECOM CAN CROSS IN THE SAME CASING PIPE. ELECTRICAL AND TELECOM MUST BE ENCLOSED IN SEPARATE PIPES WITHIN THE CASING.
 3. CASING PIPE SHALL BE EITHER CONTINUOUS #10 GAUGE DIPPED AND WRAPPED STEEL PIPE OR CMP WITH #16 GAUGE FOR STEEL AND #14 GAUGE FOR ALUMINUM. A CASING SHALL BE AT LEAST TWO INCHES LARGER THAN THE WATER PIPE DIAMETER, WITH A MINIMUM OF FOUR INCHES. EXTEND CASING PIPE ON UPHILL SIDE TO ABOVE THE ELEVATION OF THE MAXIMUM CANAL WATER LEVEL.
 4. CANAL OUTAGES MUST BE APPROVED BY THE DISTRICT IN ADVANCE. IF A CASING PIPE ELBOW IS TO BE INSTALLED, IT MUST BE FABRICATED BEFORE THE OUTAGE IS SCHEDULED.
 5. THE CANAL CROSS SECTION MUST BE RECONSTRUCTED TO ITS ORIGINAL SHAPE. BACKFILL MATERIAL MUST BE SIMILAR TO THE EXCAVATED MATERIAL AND BE COMPACTED TO ITS ORIGINAL DENSITY. RECONSTRUCTION IN GUNITED SECTIONS WILL REQUIRE SPECIAL ATTENTION AS DIRECTED BY NID.
 6. THE CASING PIPE MAY REQUIRE EXTENDING BEYOND THE PRESENT CANAL CROSS SECTION IF IT IS ANTICIPATED THAT THE CANAL WILL BE ENLARGED.
 7. SEAL BOTH ENDS OF CASING PIPE WITH BURLAP SACKS FILLED WITH CONCRETE OR AN APPROVED EQUIVALENT.
 8. GUIDE MARKERS SHALL BE INSTALLED BY THE PERMITEE AS DIRECTED BY NID.
 9. 1'-6" MINIMUM UNDER CANAL
1'-0" MINIMUM UNDER CULVERT



CANAL UTILITY CROSSING (UNDER) NOT TO SCALE NID SD17