

MATERIAL LISTING

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| <p>① 2' X 2' X 8" THICK FORMED CONCRETE BLOCKING WITH LOCKING FOLLOWER RING (EBBA IRON MEGALUG OR EQUAL.</p> <p>② CL 53 SPOOL, PE X FL</p> <p>③ PRECAST CONCRETE VAULT WITH DOUBLE HINGED STEEL PLATE DOORS WITH SUPPORT ARMS, DIMENSION TO VARY WITH SIZE OF ASSEMBLY.</p> <p>④ O.S.H.A. APPROVED LADDER</p> <p>⑤ PIPE SUPPORT STAND UNDER DCDA.</p> <p>⑥ COPPER OR BRASS BYPASS WITH AN APPROVED DCVA. PLUMB TO INSIDE OF VAULT.</p> <p>⑦ 3/4" METER SUPPLIED W/ DCDA UNIT.</p> <p>⑧ WASHINGTON STATE DEPARTMENT OF HEALTH DCDA IN MAIN LINE WITH TWO O.S. & Y. RESILIENT SEATED SHUTOFF VALVES AND TEST COCKS. SEE SPECIFICATIONS FOR APPROVED GATE VALVES.</p> <p>⑨ EBAA IRON SERIES 2100 MEG-A-FLANGE.</p> <p>⑩ CLASS 52 PIPE LENGTH TO FIT.</p> <p>⑪ GROUT INTERIOR AND EXTERIOR ALL AROUND PIPE AND ALL WALL PENETRATIONS USING NON-SHRINK GROUT.</p> <p>⑫ GATE VALVE MJ X MJ WITH POST INDICATOR VALVE (PIV).</p> <p>⑬ MJ TEE ASSEMBLY SIZED ACCORDINGLY.</p> | <p>⑭ 90° BEND, (MJ).</p> <p>⑮ CL 53 SPOOL, PE X FL.</p> <p>⑯ 90° BEND, FL.</p> <p>⑰ CL 53 SPOOL FL X FL.</p> <p>⑱ UL LISTED F.D. CONNECTION AND UL LISTED BREAKAWAY CAPS.</p> <p>⑲ SCHEDULE 40 GALVANIZED PIPE SPOOL FLxTHREAD. WITH 20 MIL PIPE WRAP BELOW GRADE. PAINT PER FIRE MARSHALL REQUIREMENTS.</p> <p>⑳ 90° BEND FL.</p> <p>㉑ SWING TYPE GRAVITY OPERATED CHECK VALVE WITH BALL DRIP VALVE TO BE INSTALLED HORIZONTALLY.</p> <p>㉒ REDUCER (IF REQUIRED)OR SLEEVE COUPLING OUTSIDE OF VAULT.</p> <p>㉓ NOT USED.</p> <p>㉔ NOT USED.</p> <p>㉕ PROVIDE ZOELLER CO. SUMP PUMP- PART NO. 53-0001, MODEL NO. M-53-D. IF GRAVITY DRAIN NOT FEASIBLE</p> <p>㉖ 2" DOUBLE STRAP SADDLE ROMAC 202S OR APPROVED EQUAL W/ 2" CURB STOP WITH LOCKING HASP. TAP ON BOTTOM OF PIPE FOR FLUSHING</p> |
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DOUBLE DETECTOR CHECK AND VAULT ASSEMBLY NOTES:

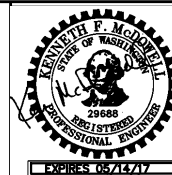
- (1) OWNER SHALL FURNISH, AND INSTALL THE DCDA AND ALL PIPING AND APPURTENANCES SHOWN ON THIS PLAN.
- (2) DOUBLE DETECTOR BACKFLOW PREVENTORS SHALL BE FEBCO OR STATE APPROVED EQUAL. (SUBMITTAL REQUIRED). NOTE:DO NOT ALTER BACKFLOW UNIT IN ANY MANNER OR IT WILL LOOSE THE STATE APPROVAL.
- (3) DISTRICT WILL PROVIDE INSPECTION AND INITIAL TEST OF THE DCDA PRIOR TO ESTABLISHMENT OF WATER SERVICE. SUBSEQUENT ANNUAL TESTING OF DCDA REQUIRED BY OWNER.
- (4) ITS SHALL BE THE OWNERS RESPONSIBILITY TO SIZE THE FIRE SPRINKLER SERVICE LINE, OBTAIN AND COORDINATE FIRE PERMIT AND ELECTRICAL PERMIT (IF REQUIRED) .
- (5) ALL PIPING, VALVES & FITTINGS DOWNSTREAM OF THE VAULT IS SHOWN & CALLED OUT GENERICALLY. A SEPARATE DETAIL PLAN FOR VAULT INSTALLATION AND SPRINKLER LINE MUST BE SUBMITTED AND APPROVED BY THE FIRE MARSHALL PRIOR TO INSTALLATION.
- (6) LADDERS SHALL BE INSTALLED IN COMPLIANCE TO O.S.H.A. REQUIREMENTS.
- (7) NO CHEMICALS ARE ALLOWED IN THE FIRE SPRINKLER PIPING SYSTEM.
- (8) LOCATE VAULT IN PLANTING AREA AND NOT IN PAVING AREA, UNLESS APPROVED BY THE DISTRICT.
- (9) PIPE SHALL BE CL. 52 AND CEMENT LINED. (EXCEPT AS SHOWN)
- (10) A SUMP PUMP SHALL BE INSTALLED W/ POWER CONDUIT AT THE OWNERS EXPENSE IF GRAVITY DRAIN IS NOT FEASIBLE. 1½" DIA. SCHEDULE 40 PVC SHALL BE USED FOR DISCHARGE PIPING. INSTALL SINGLE CHECK AND UNION IN-LINE DOWNSTREAM OF PUMP. ANCHOR PIPING TO WALL.
- (11) TEMPORARY SUPPORT SHALL BE PROVIDED UNDER VALVES AT THE TIME OF INSTALLATION. AFTER COMPLETE INSTALLATION, INSTALL PERMANENT PIPE SUPPORT STAND.
- (12) SIZE VAULT BASED ON SIZE OF APPARATUS AND MEETING MINIMUM CLEARANCES. (VAULT SUBMITTAL REQUIRED)
- (13) MINIMUM APPARATUS SIZE SHALL BE 4".
- (14) VAULT SHALL BE SEALED TO PREVENT WATER LEAKAGE.
- (15) ALL MJ JOINTS TO BE RESTRAINED W/ MEG-A-LUG OR EQUAL.

SHEET 2 OF 2



**Woodinville
Water District**

**FIRE SPRINKLER
SERVICE CONNECTION**



**WATER STD.
PLAN NO. 25A**

REVISION DATE
10-16