

NOTES

2 11/16"-

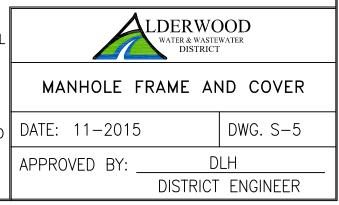
COVER SECTION

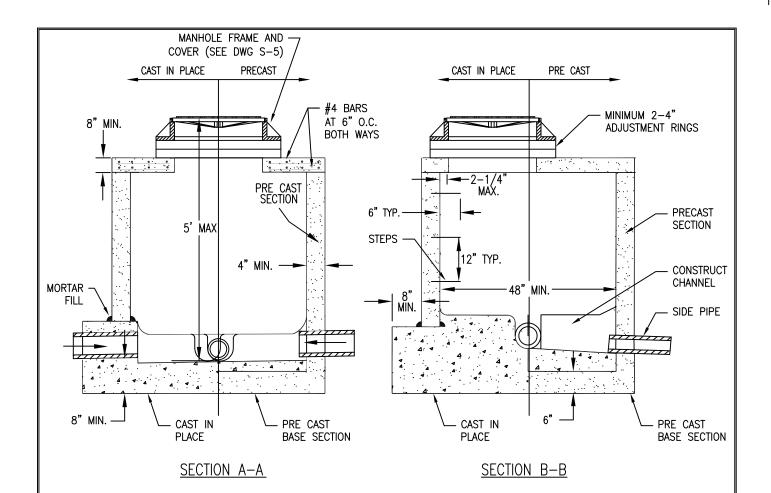
- 1. MATERIALS ARE DUCTILE IRON COVER ASTM A536, AND GRAY IRON IRON FRAME ASTM A48 CL35B PRODUCT# 3715ZPT.
- 2. MANUFACTURED IN THE USA BY EAST JORDAN IRON WORKS MANUFACTURING CO. HEAVY DUTY MANHOLE ASSEMBLY (H20 AND HS20 LOADINGS) OR APPROVED EQUAL.
- 3. MANHOLES LOCATED WITHIN NON-PAVED AREAS SHALL REQUIRE THE INSTALLATION OF GREEN FIBERGLASS MARKER POSTS 5' IN LENGTH WITH DECAL STATING "CAUTION SEWER PIPELINE". THE BURIED END SHALL BE "BARBED" OR AN ANCHOR KIT SHALL BE USED. INSTALL A CONCRETE COLLAR 6' DIAMETER 6" THICK UNLESS OTHERWISE DIRECTED BY THE DISTRICT.
- 4. 3/4" STRIP OF CONSEAL CD-101 MANHOLE RING AND COVER SEALANT REQUIRED BETWEEN COVER AND FRAME WHERE MANHOLE IS SUSCEPTIBLE TO INUNDATION OR THERE IS THE POTENTIAL FOR EXCESSIVE ODORS OR AS DIRECTED BY THE DISTRICT.

5. IN SIDEWALKS, RAMPS OR CROSSWALKS USE LID COMPLIANT TO AMERICANS WITH DISABILITIES ACT REQUIREMENTS.

BOLT DETAIL

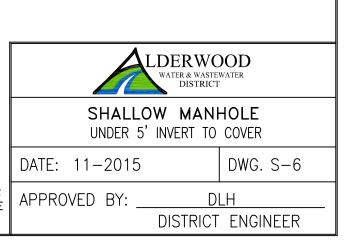
6. SEE DETAIL TBR-6 FOR ADJUSTMENT DETAILS.



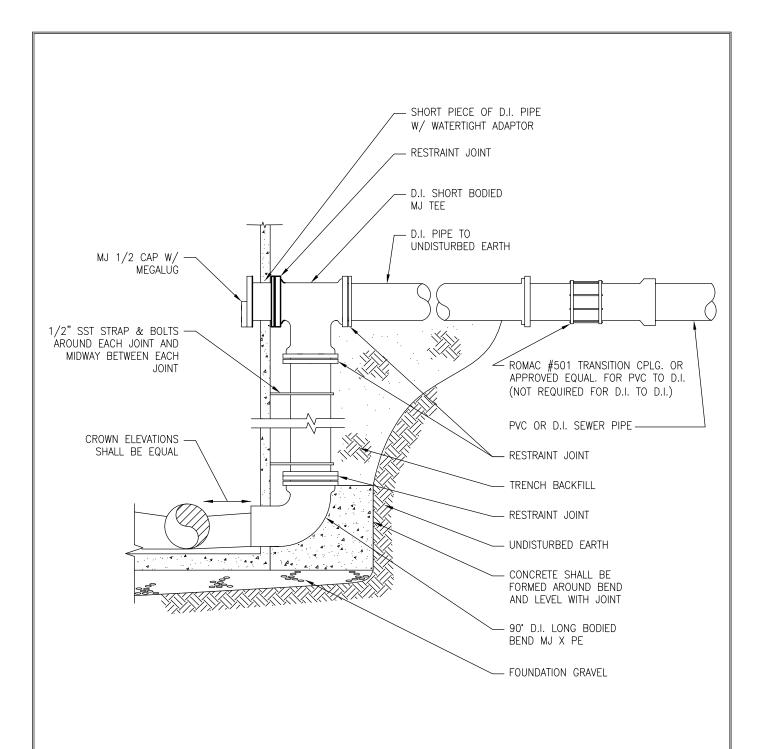




- 1. ONLY USED WITH SPECIAL WRITTEN APPROVAL FROM THE DISTRICT.
- PRE CAST MANHOLE SECTION AND FLAT SLAB COVER SHALL CONFORM TO WSDOT STD DWG B-23C.
- 3. ALL MANHOLE JOINTS SHALL BE GROUTED WITH NON-SHRINK GROUT TO INSURE A WATER TIGHT SEAL AND THE INTERIOR SHALL BE TRAWLED TO A BROOM FINISH.
- 4. ALL CHANNELIZATION OF MANHOLE BASES SHALL BE COVERED BY A RIGID MATERIAL DURING CONSTRUCTION OF ROAD SURFACES TO PREVENT FOREIGN MATERIALS FROM ENTERING SYSTEM.
- 5. WHEN CONSTRUCTING MANHOLE OVER AN EXISTING MAIN, SUPPORT PIPE(S) AND MANHOLE SECTION WITH CONCRETE BLOCK AND POUR BASE AS SHOWN. REMOVE TOP 1/2 OF MAIN PIPE AND FORM SIDE CHANNEL(S) AS REQUIRED.



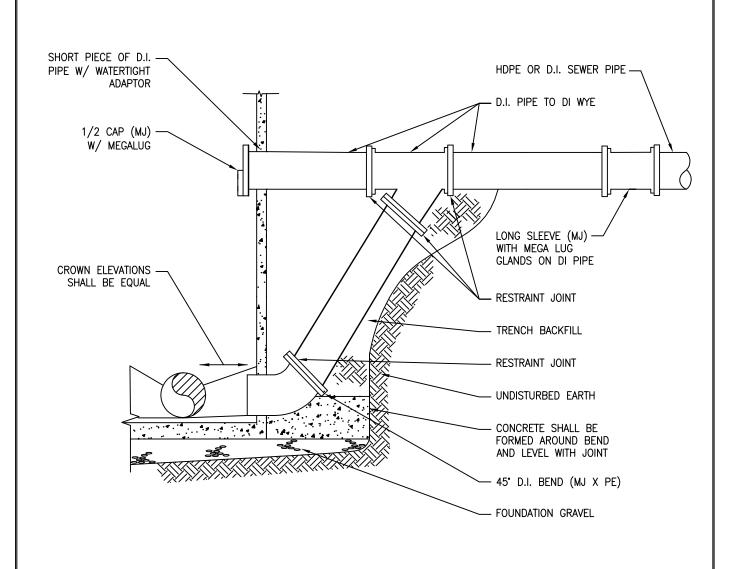
LADDER



NOTE:

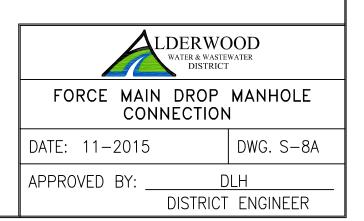
- 1. ALL D.I. JOINTS TO BE RESTRAINED WITH MEGALUG TYPE DEVICES OR APPROVED EQUAL.
- 2. ALL D.I. PIPE AND FITTINGS TO BE EPOXY LINED.
- 3. ENTIRE MANHOLE INTERIOR TO BE COATED WITH RAVEN 400 OR EQUAL, UNLESS APPROVED OTHERWISE BY THE DISTRICT.

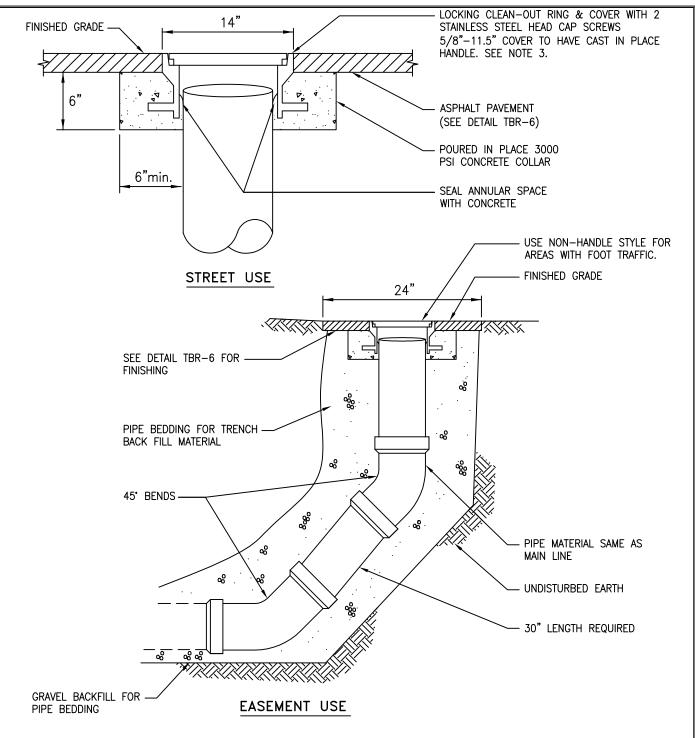




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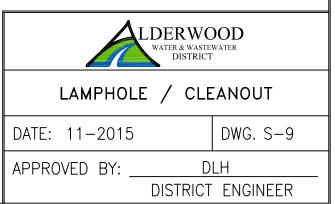
- 1. ALL D.I. JOINTS TO BE RESTRAINED WITH MEGALUG TYPE DEVICES OR APPROVED EQUAL.
- 2. ALL D.I. PIPE AND FITTINGS TO BE CERAMIC EPOXY LINED.
- 3. ENTIRE MANHOLE INTERIOR TO BE COATED WITH RAVEN 400 OR EQUAL.

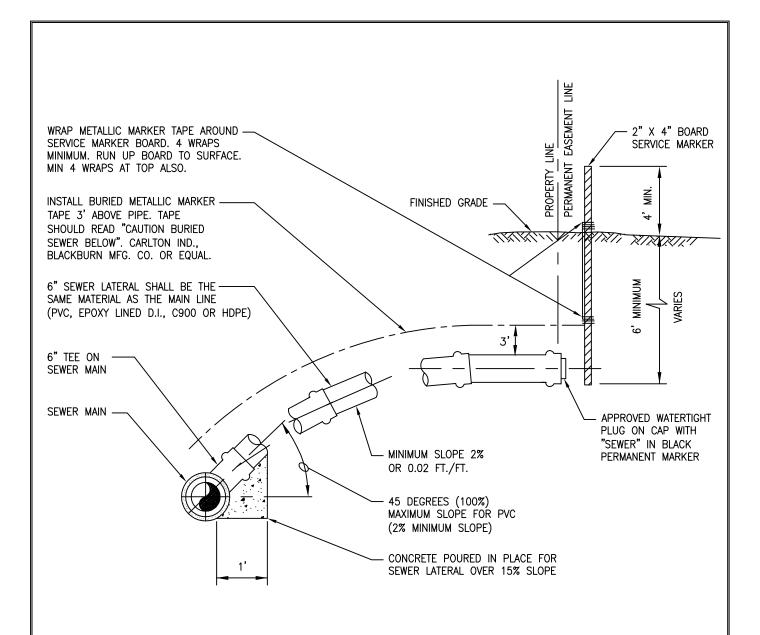




NOTES:

- 1. RESTORATION SHALL BE IN ACCORDANCE WITH DETAIL TBR-6.
- 2. TRENCH BACKFILL SHALL BE COMPACTED AND TESTED IN ACCORDANCE WITH STANDARD SPECIFICATIONS AND LOCAL REGULATORY REQUIREMENTS.
- 3. RING AND COVER SHALL BE EJIW MFG. CO. MODEL NO. 00366107.



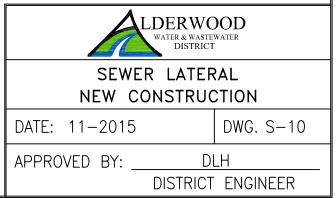


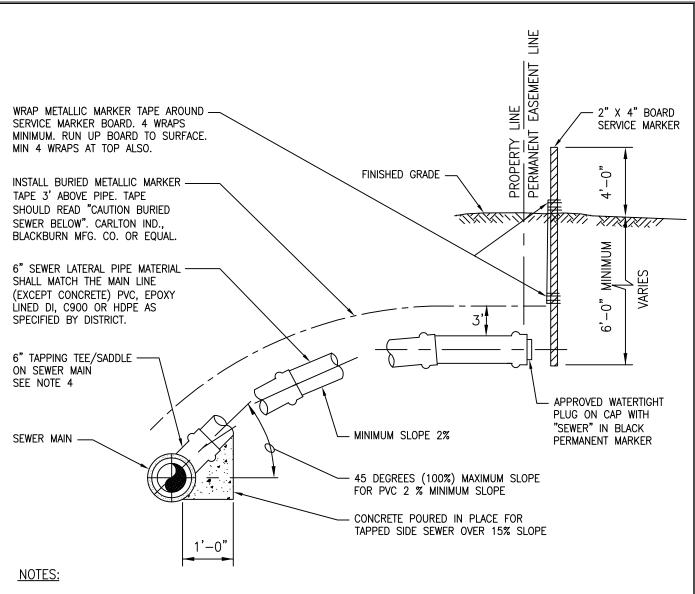
NOTES:

1. 2" X 4" BOARD — LENGTH AS REQUIRED IN EVEN FOOT INCREMENTS. PAINT TOP 4' ABOVE GROUND WITH WHITE PAINT. STENCIL IN BLOCK LETTERS THE WORD "SEWER" &

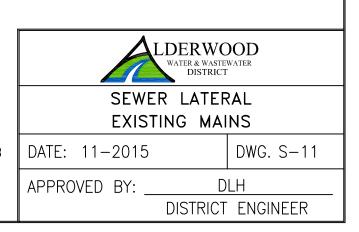
TOTAL LENGTH OF THE 2" X 4" BOARD. LETTERING TO BE 3" IN HEIGHT. TOP OF 2" X 4" SHALL BE 4' ABOVE GROUND LEVEL.

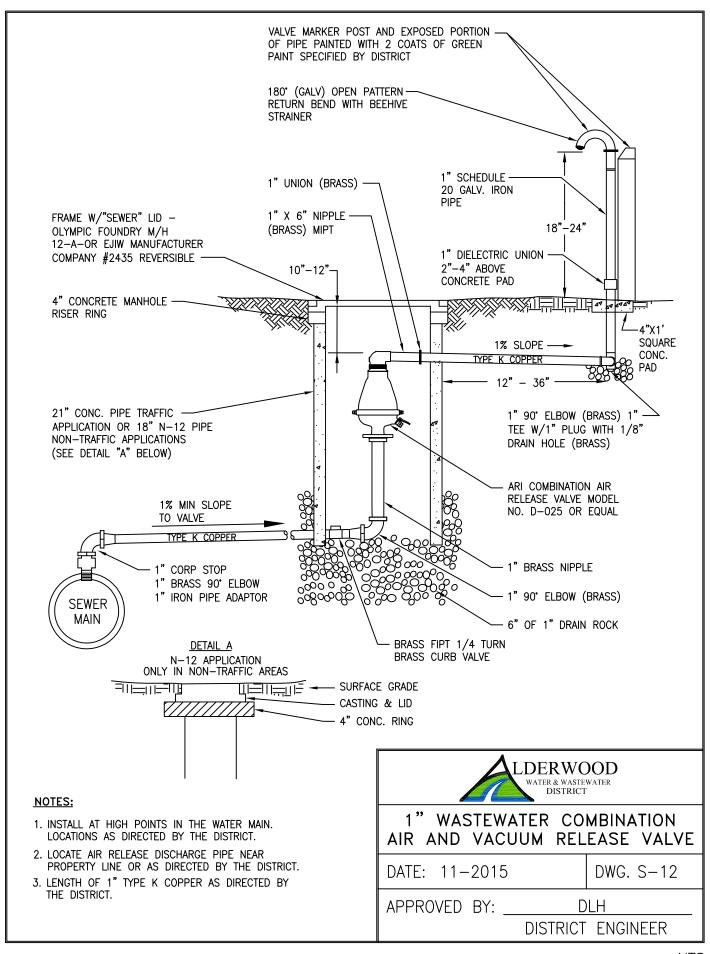
- 2. FOR DUCTILE IRON PIPE IN RIGHT-OF-WAY & EASEMENTS, USE RESTRAINING DEVICE AS SPECIFIED BY THE DISTRICT.
- 3. PROVIDE DISTANCE IN FEET FROM TEE TO DOWNSTREAM MANHOLE TO THE DISTRICT.

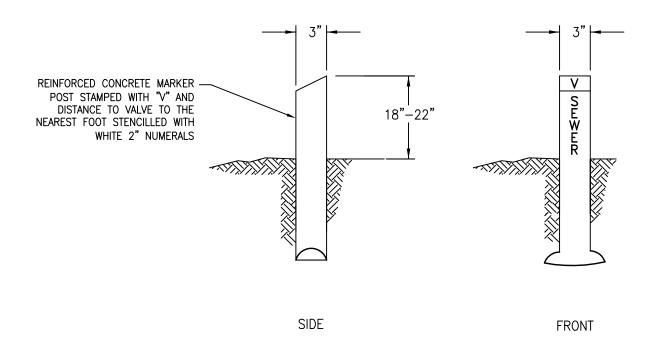




- 1. 2" X 4" BOARD LENGTH AS REQUIRED IN EVEN FOOT INCREMENTS. PAINT TOP 5' WITH WHITE PAINT. STENCIL IN BLOCK LETTERS THE WORD "SEWER" & TOTAL LENGTH OF THE 2" X 4" BOARD. LETTERING TO BE 3" IN HEIGHT. TOP OF 2" X 4" SHALL BE 4' ABOVE GROUND LEVEL.
- 2. CONTRACTOR TO PROVIDE ALL MATERIALS, TRAFFIC CONTROL, PERMITS, FLAGGING, SHORING AND MISCELLANEOUS WORK TO TAP THE MAIN AND INSTALL THE SIDE SERVICE.
- 3. FOR DUCTILE IRON PIPE IN RIGHT— OF—WAY & EASEMENTS, USE RESTRAINING DEVICE AS SPECIFIED BY THE DISTRICT.
- 4. FOR TAPS ON:
 DI USE SST ROMAC, SMITH BLAIR, OR FORD
 TAPPING TEE. PVC OR CONCRETE, USE ROMAC CB
 TEE W/SST CLAMP, HDPE CONSULT THE DISTRICT.
- 5. PROVIDE DISTANCE IN FEET FROM TEE/SADDLE TO DOWNSTREAM MANHOLE TO THE DISTRICT.







VALVE MARKER POST

NOTES:

- 1. INSTALL AT ALL VALVES NOT LOCATED WITHIN PAVED AREA.
- 2. THE LETTER V AND THE WORD SEWER SHALL BE CAST IN THE FACE OF THE MARKER FACING THE VALVE WITH THE DISTANCE TO THE VALVE PAINTED ON THE MARKER WITH WHITE ENAMEL PAINT.
- 3. PAINT THE ABOVE GROUND PORTION WITH 2 COATS OF GREEN PAINT SPECIFIED BY DISTRICT.
- 4. MARKERS SHALL BE DIRECT BURY.
- 5. 66" CARSONITE, HANSON TRI-FLEX, OR EQUAL MAY BE USED UPON APPROVAL BY THE DISTRICT.

