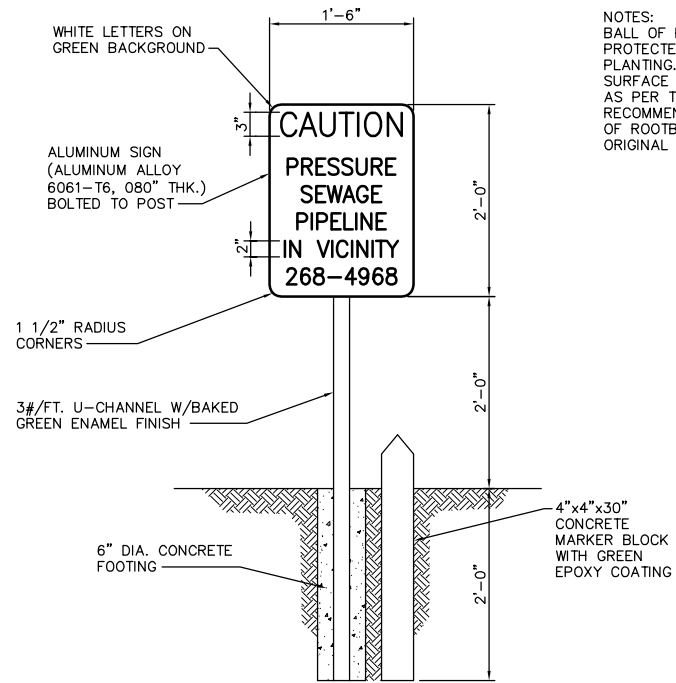


**MANHOLE GRATE DETAIL**

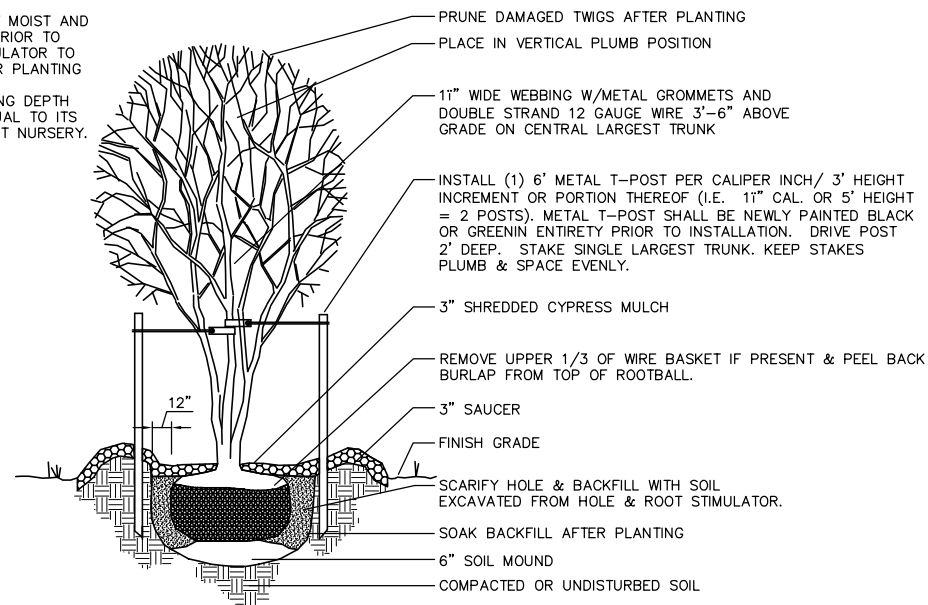
NO SCALE



**FORCE MAIN WARNING SIGN DETAIL**

NO SCALE

NOTES:  
BALL OF PLANT TO BE KEPT MOIST AND PROTECTED FROM DAMAGE PRIOR TO PLANTING. ADD ROOT STIMULATOR TO SURFACE IMMEDIATELY AFTER PLANTING AS PER THE MANUFACTURER'S RECOMMENDATIONS. PLANTING DEPTH OF ROOTBALL SHALL BE EQUAL TO ITS ORIGINAL PLANTING DEPTH AT NURSERY.

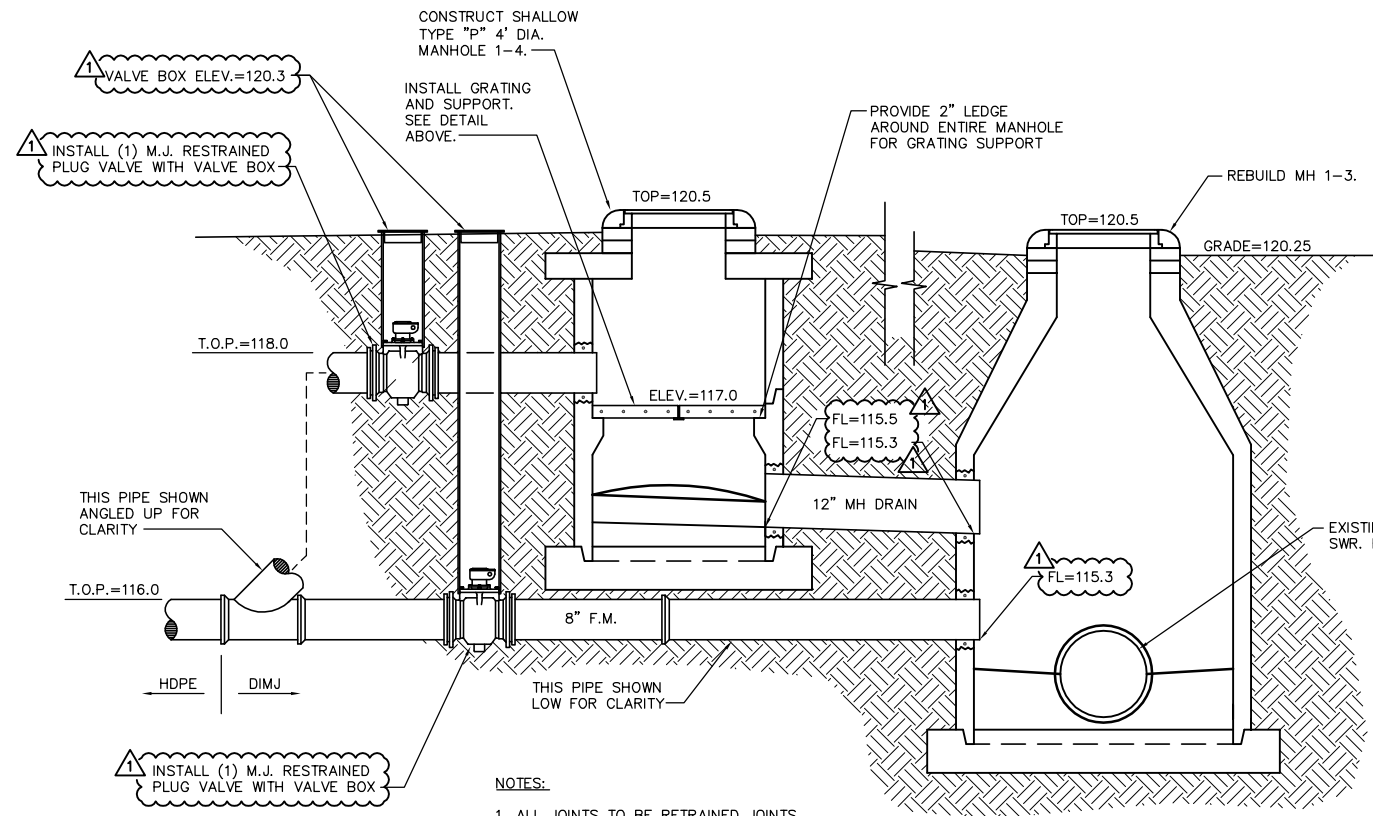


**MULTI-TRUNK TREE PLANTING DETAIL**

NOT TO SCALE

**TREE PROTECTION NOTES:**

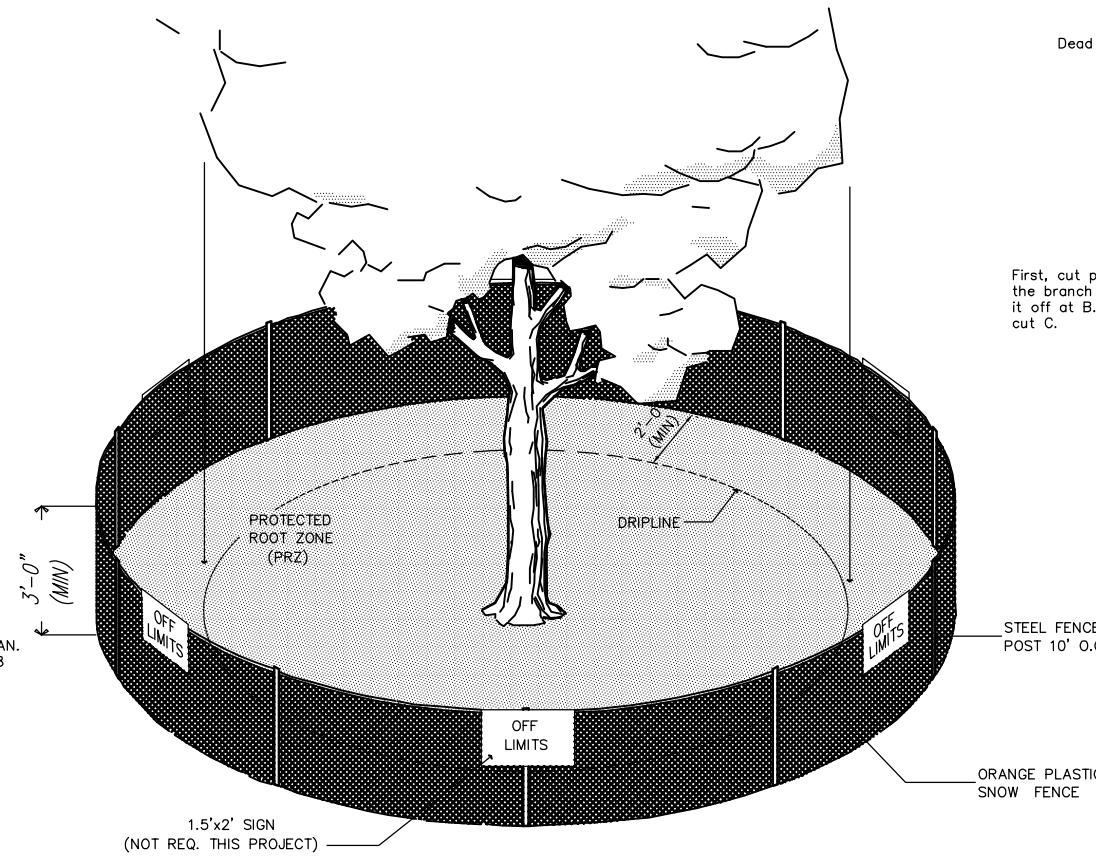
- CONTRACTOR SHALL MAKE EVERY EFFORT TO PRESERVE EACH EXISTING TREE (UNLESS NOTED FOR REMOVAL) AS DIRECTED IN THESE PLANS & NOTES.
- BEFORE ANY TYPE OF CONSTRUCTION BEGINS WITHIN THE PROJECT IMPROVEMENT AREA THE CONTRACTOR SHALL INSTALL PROTECTION FENCE AROUND ALL EXISTING TREES TO BE PRESERVED.
- CONSTRUCTION EQUIPMENT & STORED MATERIALS SHALL REMAIN OUT OF AREAS NOTED TO BE TREE PRESERVATION. CONTRACTOR SHALL TAKE EVERY PRECAUTION WHEN WORKING ON THE PROPOSED FENCELINE WHERE THERE WILL BE NEED FOR CLOSE PROXIMITY TO TREES.
- EQUIPMENT AND CONSTRUCTION MATERIALS SHALL REMAIN OUT OF AND AWAY FROM TREE DRIP LINES SO AS TO NOT COMPACT THE ROOT ZONE OR DAMAGE THE TREE. CHEMICAL SPILL DAMAGE SHALL BE PREVENTED BY FILLING GAS TANKS, CLEANING TOOLS & REPAIRING EQUIPMENT WELL OUTSIDE TREE PROTECTED ROOT ZONES. MIXING TRUCKS SHALL BE RINSED OUT OFF SITE.
- ANY TREE THAT MUST HAVE BRANCHES REMOVED SHALL BE TRIMMED WITH SHARP INSTRUMENT/TOOL THAT IS INTENDED FOR SUCH OPERATIONS. CONSULT LANDSCAPE ARCHITECT PRIOR TO TRIMMING. KNOCKING BRANCHES OFF WITH A BACKHOE OR OTHER SIMILAR MACHINE IS NOT ACCEPTABLE. REFER TO TREE TRIMMING DETAIL ON THIS SHEET FOR TRIMMING PROCEDURE.
- FAILURE TO MAINTAIN ERECTED TREE PROTECTION FENCE AROUND DESIGNATED AREAS WITHOUT PRIOR REMOVAL CONSENT FROM THE OWNER IS STRICTLY PROHIBITED. ALL EQUIPMENT WORK SHALL HALT UNTIL REMIDIED SHOULD ANY PROTECTION FENCE BE REMOVED OR MOVED.



- NOTES:
- ALL JOINTS TO BE RESTRAINED JOINTS.
  - PIG RECOVERY MANHOLE SHOWN ABOVE FORCE MAIN FOR CLARITY OF PIPING. SEE PIPING SITE PLAN FOR ARRANGEMENT.

**PIG RECOVERY MANHOLE DETAIL**

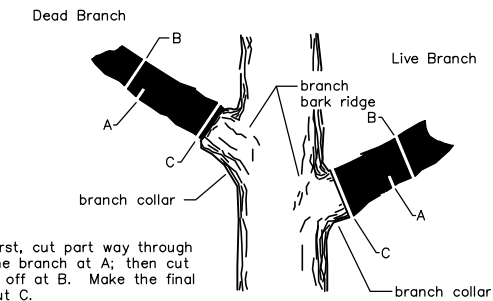
NO SCALE



NOTE: THE TEMPORARY FENCE IS TO BE CONSTRUCTED AROUND SPECIFIED AREAS/TREES PRIOR TO ANY CONSTRUCTION AND SHALL REMAIN UNTIL ALL CONSTRUCTION IS COMPLETE. CONSTRUCTION EQUIPMENT AND MATERIALS ARE NOT PERMITTED WITHIN THE (PRZ). THE FENCE PLACEMENT AROUND THE (PRZ) MAY ONLY BE ADJUSTED WITH PERMISSION FROM THE OWNER'S REPRESENTATIVE.

**TEMPORARY TREE PROTECTION DETAIL**

NOT TO SCALE



**TREE TRIMMING DETAIL**

NOT TO SCALE

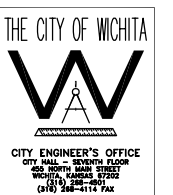
NO.	BY	DATE	DESCRIPTION
0	DLM	10/17/05	ISSUE FOR CONSTRUCTION
1	DLM	2/27/06	REVISION #1 - CHANGED ELEVATIONS IN MH 1-3 & MH 1-4. SPLIT PLUG VALVE CALLOUT FOR CLARITY. ISSUED



**CITY OF WICHITA, KANSAS**  
15th STREET PUMP STATION  
AND FORCE MAIN

MISCELLANEOUS CIVIL DETAILS III

CONFORMING TO  
CONSTRUCTION RECORDS  
4/20/07



DESIGNED BY	DLM	CHECKED BY	DLM
DRAWN BY	BDM	DATE	JUNE, 2005
PROJECT	0301030310	CONTRACT	-

DRAWING	REVISION
C6	- 1

FILE: S:\ENR\03310\3010\30310\_05-MISC\_CIVIL-3.dwg 10/31/2005 11:05:53 AM CST