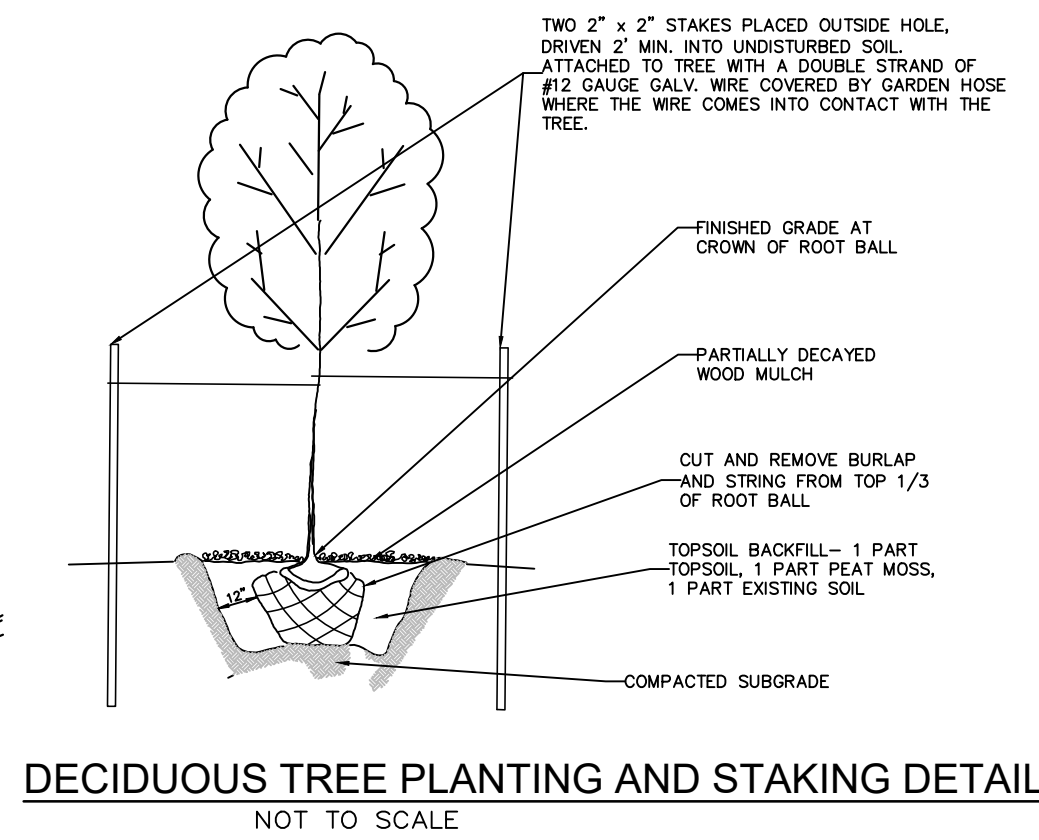
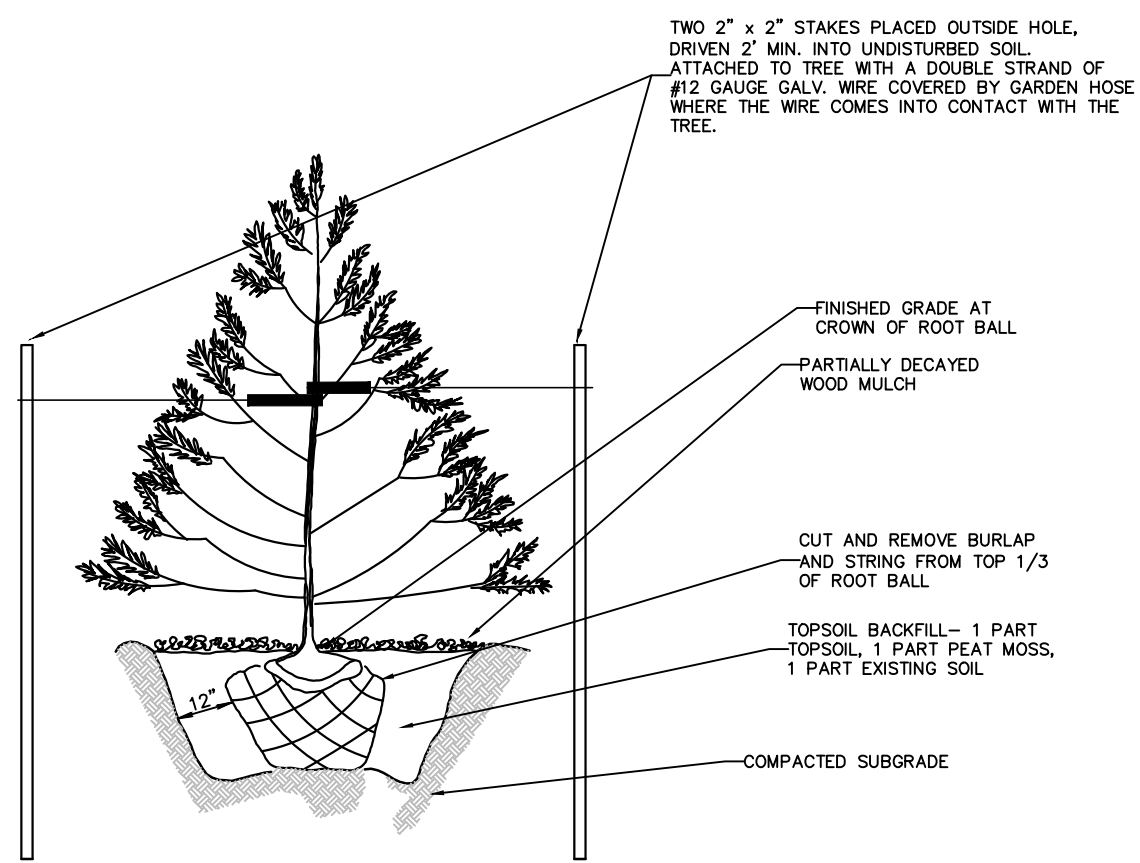


**TREE and SHRUB PLANTING and STAKING DETAIL**  
NOT TO SCALE



**DECIDUOUS TREE PLANTING and STAKING DETAIL**  
NOT TO SCALE



**EVERGREEN TREE PLANTING and STAKING DETAIL**  
NOT TO SCALE

**LANDSCAPING NOTES:**

1. PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND IN ACCORDANCE WITH ACCEPTED LAND PRACTICE AND THE STANDARDS OF THE AMERICAN ASSOCIATION OF NURSERMEN.
2. A MINIMUM OF 4" OF SHREDED HARDWOOD BARK MULCH SHALL BE PLACED IN ALL PLANTING BEDS.
3. EACH PLANT TO BE IN THE TOP OF ITS SIZE CLASS AFTER SHEARING AND PRUNING.
4. EACH PLANT TO BE FREE FROM DISEASE, INSECT INFESTATION AND MECHANICAL INJURIES AND IN ALL RESPECTS BE SUITABLE FOR FIELD PLANTING.
5. ALL PLANTS TO BE FULLY QUARANTEED (LABOR AND MATERIAL) FOR A PERIOD OF NOT LESS THAN ONE (1) YEARS FROM DATE OF INSTALLATION AND BE GUARANTEED TO BE IN VIGOROUS GROWING CONDITION. PROVISIONS SHALL BE MADE AT THE BEGINNING OF THE FIRST SUCCEEDING GROWING SEASON.
6. PLANTS TO CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK, (ANSI Z60.1-1986) IN REGARD TO SIZING, GROWING AND B & B SPECIFICATIONS.
7. PLANT MATERIAL SHALL BE FURNISHED AND INSTALLED AS INDICATED INCLUDING ALL LABOR, MATERIALS, PLANTS, EQUIPMENT, INCIDENTALS AND CLEAN UP.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLANTING AT CORRECT GRADES AND ALIGNMENT AS SHOWN ON THE GRADING PLAN.
9. PLANTS SHALL BE TRUTHFUL OF THEIR SPECIES AND VARIETY, HAVE NORMAL GROWTH HABITS, WELL DEVELOPED BRANCHES, DENSE FOLIAGE, VIGOROUS ROOT SYSTEMS AND BE FREE FROM DEFECTS AND INJURIES.
10. CONTRACTOR SHALL REPORT ANY SOIL OR DRAINAGE CONDITIONS CONSIDERED DETRIMENTAL TO THE GROWTH OF PROPOSED PLANT MATERIAL.
11. INsofar AS IS PRACTICABLE, PLANT MATERIAL SHALL BE PLANTED ON THE DAY OF DELIVERY. IN THE EVENT THIS IS NOT POSSIBLE, THE CONTRACTOR SHALL PROTECT STOCK NOT PLANTED. PLANTS SHALL NOT REMAIN UNPLANTED FOR LONGER THAN A THREE (3) DAY PERIOD AFTER DELIVERY.
12. NO PLANT, EXCEPT GROUND COVERS, SHALL BE PLANTED LESS THAN TWO (2) FEET FROM EXISTING STRUCTURES AND SIDEWALKS.
13. ALL INJURED ROOTS SHALL BE PRUNED TO MAKE CLEAN ENDS BEFORE PLANTING. IT IS ADVISABLE TO PRUNE APPROXIMATELY 1/3 OF THE SUPERFLUOUS BRANCHES, THOSE WHICH CROSS, THOSE WHICH RUN PARALLEL, ETC. MAIN LEADER OF TREES MUST NOT BE CUT BACK. LONG SIDE BRANCHES, HOWEVER, SHOULD BE SHORTENED.
14. EACH TREE AND SHRUB SHALL BE PRUNED IN ACCORDANCE WITH STANDARD HORTICULTURAL PRACTICE TO PRESERVE NATURAL CHARACTER OF PLANT. PRUNING SHALL BE DONE WITH CLEAN, SHARP TOOLS. CUTS OVER 3/4" IN DIAMETER SHALL BE PAINTED WITH SUITABLE TREE PAINT.
15. TREES SHALL BE SUPPORTED IMMEDIATELY AFTER PRUNING. ALL TREES SIX (6) INCHES AND OVER IN CALIPER SHALL BE GUYED. SMALLER TREES SHALL BE STAKED. GUYING WIRES AND STAKES SHALL BE INSTALLED AS INDICATED.
16. DRAWINGS TO BE SCALED FOR PURPOSES OF LOCATING SOIL BERMS, PLANT MATERIAL, PLANTING BEDS, GROUND COVER AREAS AND OTHER SITE AMENITIES SHOWN. DRAWINGS ARE SCHEMATIC AND PLANT MATERIAL IS SUBJECT TO FIELD ADJUSTMENT.
17. PLANTS SHALL NOT BE SOUND AT ANY TIME WITH WIRE OR ROPE AS TO DAMAGE THE BARK AND BRANCHES. PLANTS SHALL BE HANDLED FROM THE BOTTOM OF THE ROOT BALL ONLY.
18. ALL PLANTS SHALL BE PLUMB AND STRAIGHT, AT SUCH A LEVEL THAT, AFTER SETTLEMENT, A NORMAL RELATIONSHIP BETWEEN THE CROWN OF THE ROOT BALL AND THE GROUND SURFACE WILL BE ESTABLISHED. ALL PLANTS SHALL BE LOCATED IN THE CENTER OF THEIR RESPECTIVE PLANTING PITS.
19. ANY DISCREPANCY BETWEEN THE PLANS AND FIELD CONDITIONS SHALL BE ADDRESSED BY THE ENGINEER IN THE FIELD.

**STANDARD FOR TOPSOILING**

**1. Materials**

a. Topsoil should be friable, loamy, free of debris, objectionable weeds and stone, and contain no toxic substance or adverse chemical or physical condition that may be harmful to plant growth. Soluble salts should not be excessive (conductivity less than 0.5 millimhos per centimeter, more than 0.5 millimhos may desiccate seedlings and adversely impact growth), topsoil hauled in from offsite should have a minimum organic matter content of 2.75 percent. organic matter content may be raised by additives.

b. Topsoil substitute is a soil material which may have been amended with sand, silt, clay, organic matter, fertilizer or lime and has the appearance of topsoil. Topsoil substitutes may be utilized on sites with insufficient topsoil for establishing permanent vegetation. All topsoil substitute materials shall meet the requirements of topsoil noted above. Soil tests shall be performed to determine the components of sand, silt, clay, organic matter, soluble salts and pH level.

**2. Stripping and Stockpiling**

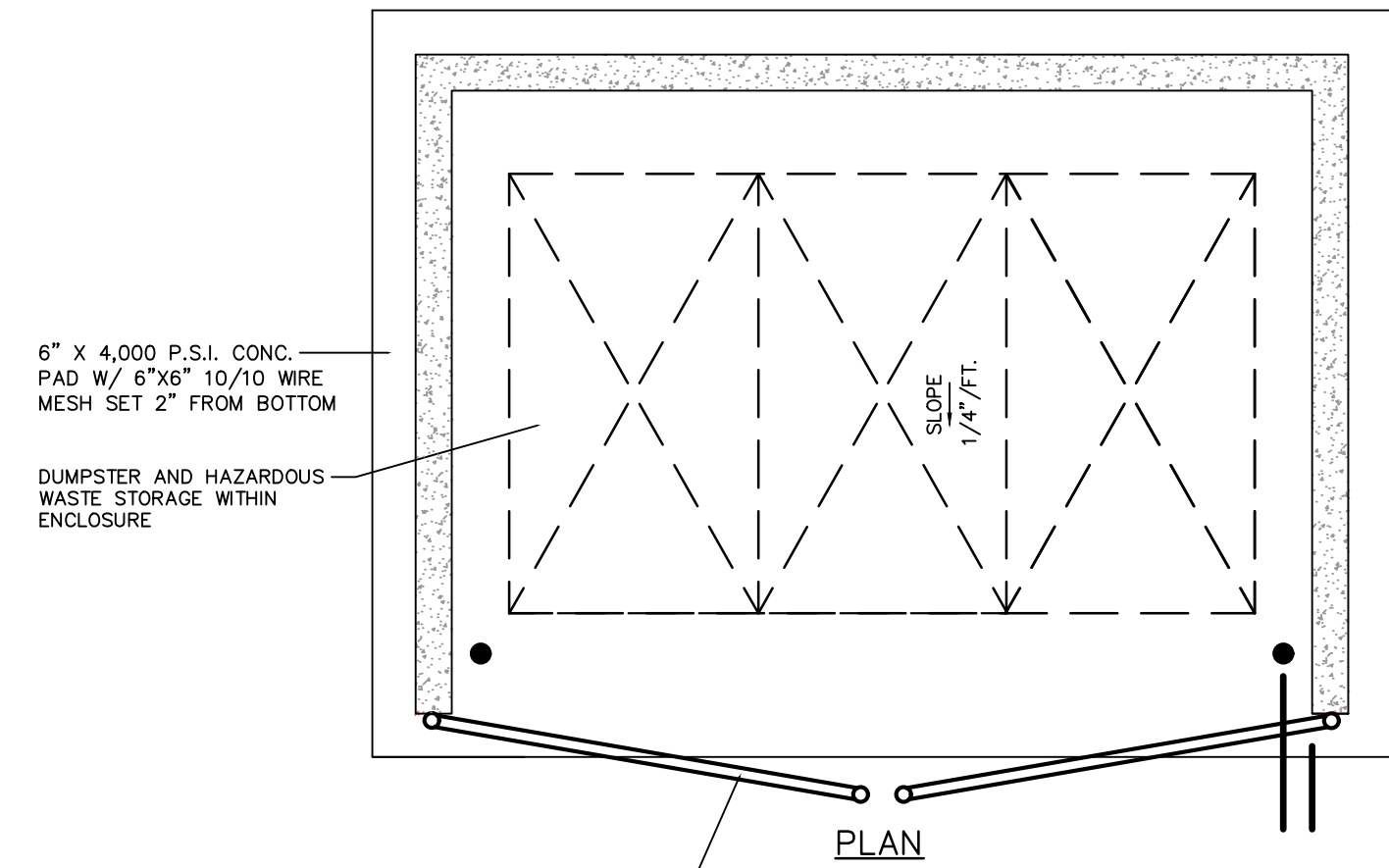
- a. Field exploration should be made to determine whether quantity and/or quality of surface soil justifies stripping.
- b. Stripping should be confined to the immediate construction area.
- c. Where feasible, lime may be applied before stripping at a rate determined by soil tests to bring the soil pH approximately 6.5. In lieu of soil tests, see lime rate guide in seedbed preparation for Permanent Vegetative Cover for soil stabilization, pg 4-1.
- d. A 4-6 inch stripping depth is common, but may vary depending on the particular soil.
- e. Stockpiles of topsoil should be situated so as not to obstruct natural drainage or cause offsite environmental damage.
- f. Stockpiles of topsoil should be vegetated in accordance with standards previously described herein; see standards for Permanent (pg. 4-1) or Temporary (pg. 7-1) vegetative cover for soil stabilization. Weeds should not be allowed to grow on stockpiles.

**3. Site Preparation**

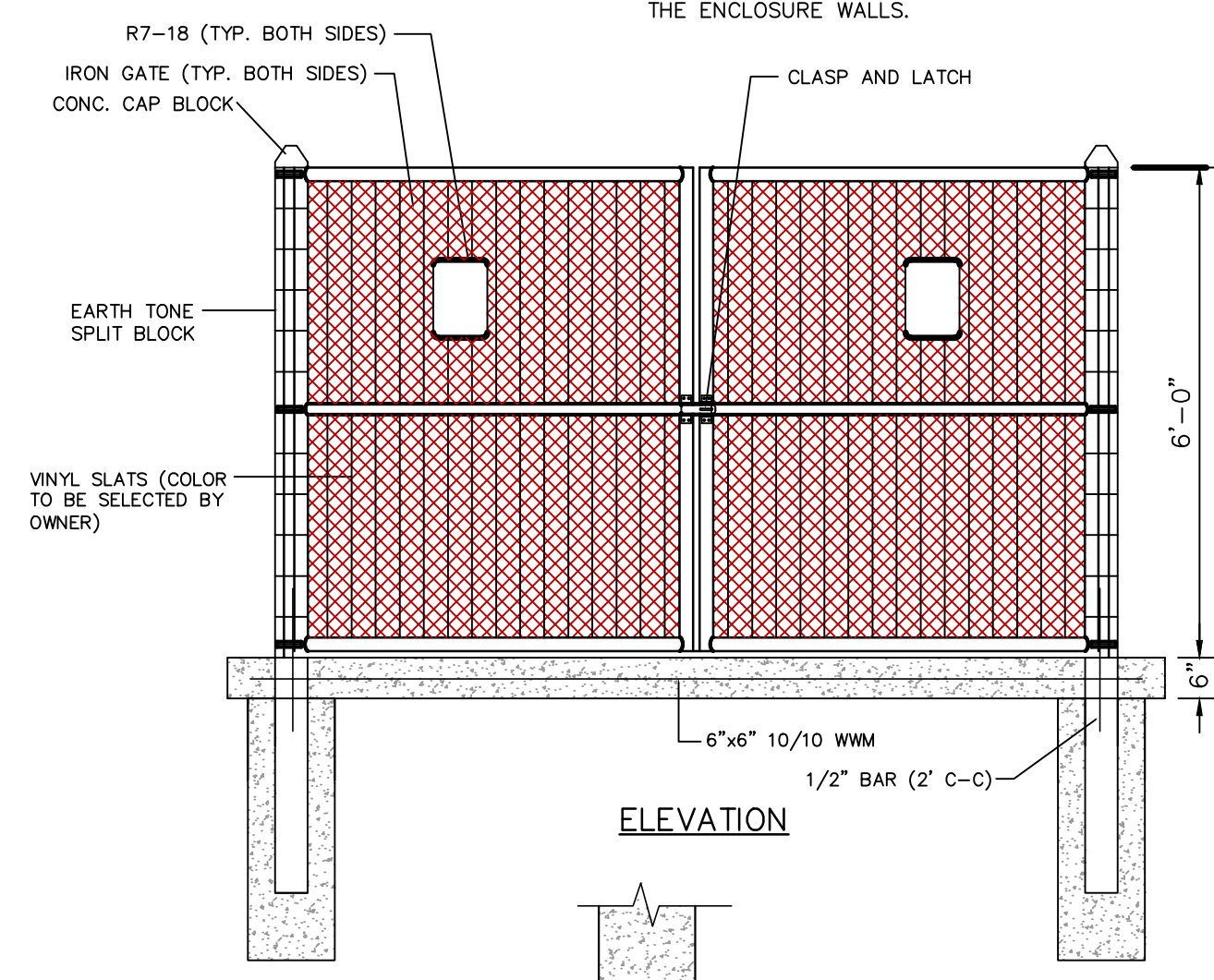
- a. Grade at the onset of the optimal seeding period so as to minimize the duration and area of exposure of disturbed soil to erosion. Immediately proceed to establish vegetative cover in accordance with the specified seed mixture. Time is of the essence.
- b. Grade as needed and feasible to permit the use of conventional equipment for seedbed preparation, seeding, mulch application and anchoring, and maintenance. See the Standard for Land Grading, pg. 19-1.
- c. As guidance for ideal conditions, subsoil should be tested for lime requirements. Limestone, if needed, should be applied to bring soil to a Ph of approximately 6.5 and incorporated into the soil as nearly as practical to a depth of 4 inches.
- d. Immediately prior to topsoiling, the surface should be scarified & compacted. This will help insure a good bond between the topsoil and subsoil. This practice is permissible only where there is no danger to underground utilities (cables, irrigation systems, etc).
- e. Employ needed erosion control patches such as diversions, grade stabilization structures, channel stabilization measures, sedimentation basins, and waterways. See standards 11 through 42.

**4. Applying Topsoil**

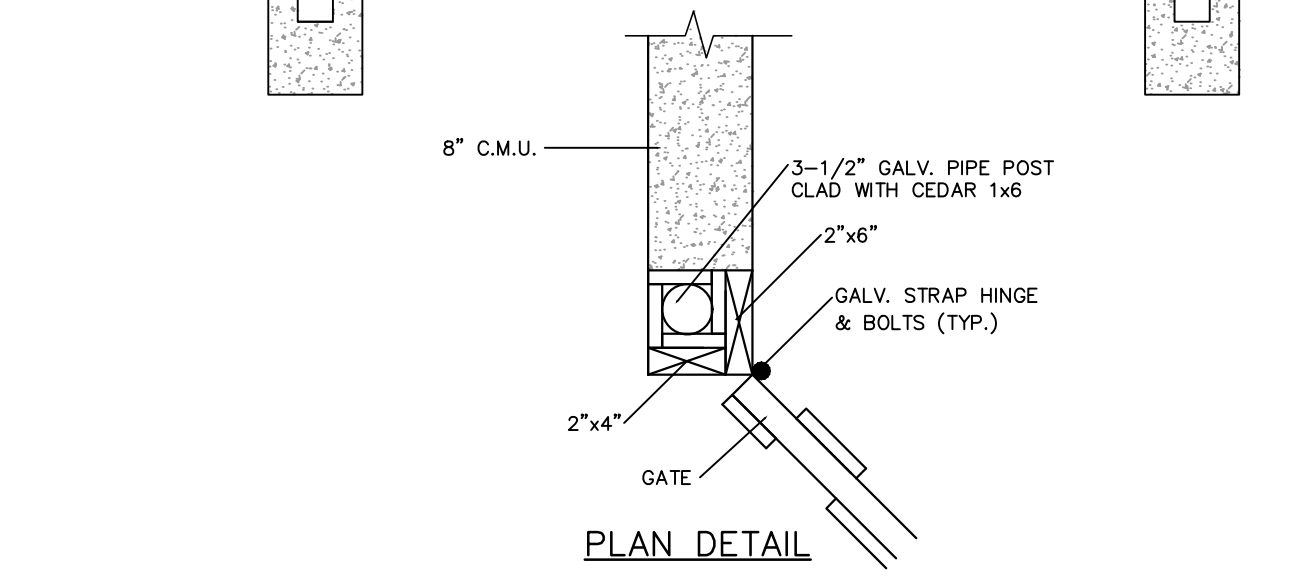
- a. Topsoil should be handled only when it is dry enough to work without damaging soil structure; i.e., less than field capacity (see glossary).
- b. A uniform application to a depth of 5 inches (unsettled) is recommended. Soils with a pH of 4.0 or less or containing iron sulfide shall be covered with a minimum depth of 12 inches of soil having a pH of 5.0 or more, in accordance with the standard for management of high acid producing soil (pg. 1-1).



**PLAN**  
NOTES:  
1. ROLL OUT DUMPSTERS ARE PROPOSED TO ACCOMMODATE ACCESS TO ALL DUMPSTERS.  
2. NO TRASH AND/OR OTHER DEBRIS SHALL BE STACKED TO BE VISIBLE ABOVE THE HEIGHT OF THE ENCLOSURE WALLS.



**ELEVATION**



**PLAN DETAIL**

**REFUSE/RECYCLING ENCLOSURE DETAIL**  
NOT TO SCALE

**OneSource**  
Construction & Engineering  
CLIENT: MELISSA AND ANTHONY MARTIN  
PROJECT LOCATION:  
739 SOUTH MAIN STREET  
MT. PLEASANT, TN 38474  
MAURY COUNTY PLANNING FILE NO. T.B.D

**739 SOUTH MAIN PLAZA**  
**CONSTRUCTION DETAILS**  
**739 SOUTH MAIN STREET**  
**MT. PLEASANT, TENNESSEE**

PROJECT ADDRESS

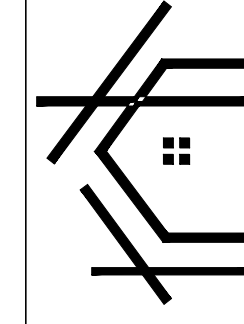
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0 3/23/26	ORIGINAL ISSUE
4/28/26	REVISED PER CITY AND FIRE COMMENTS

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CHECKED	ZA	3/30/26
SCALE	AS NOTED	
PROJECT	26005	

SHEET	DRAWING NUMBER
18	C-18
OF 23	

4/29/26

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Construction & Engineering  
CLIENT: MELISSA AND ANTHONY MARTIN  
PROJECT LOCATION:  
739 SOUTH MAIN STREET  
MT. PLEASANT, TN 38474  
MAURY COUNTY PLANNING FILE NO. T.B.D

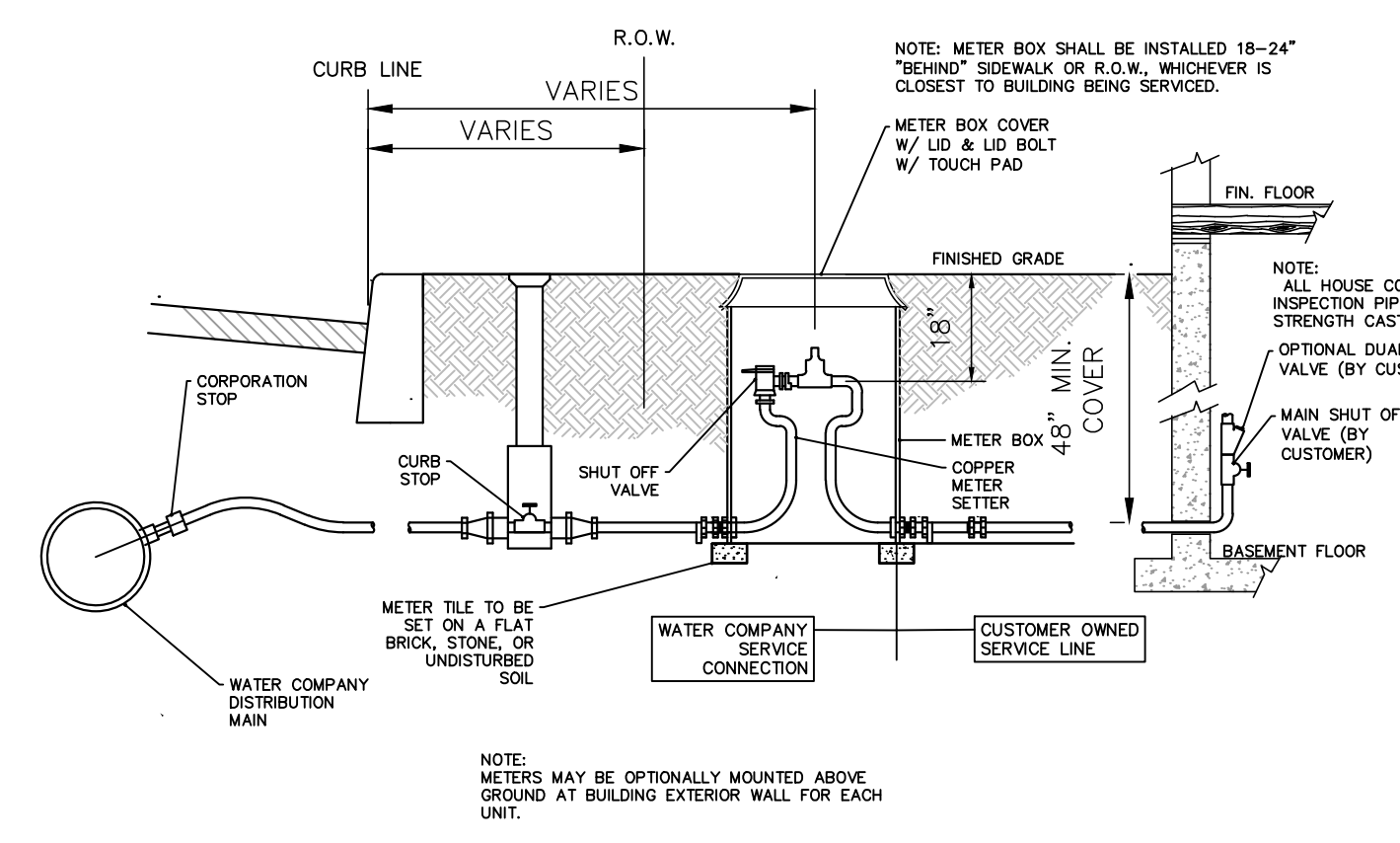
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CONSTRUCTION DETAILS  
ADDRESS  
739 SOUTH MAIN STREET  
MT. PLEASANT, TENNESSEE

REVISIONS	
DATE	DESCRIPTION
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4/28/26	REVISED PER CITY AND FIRE COMMENTS

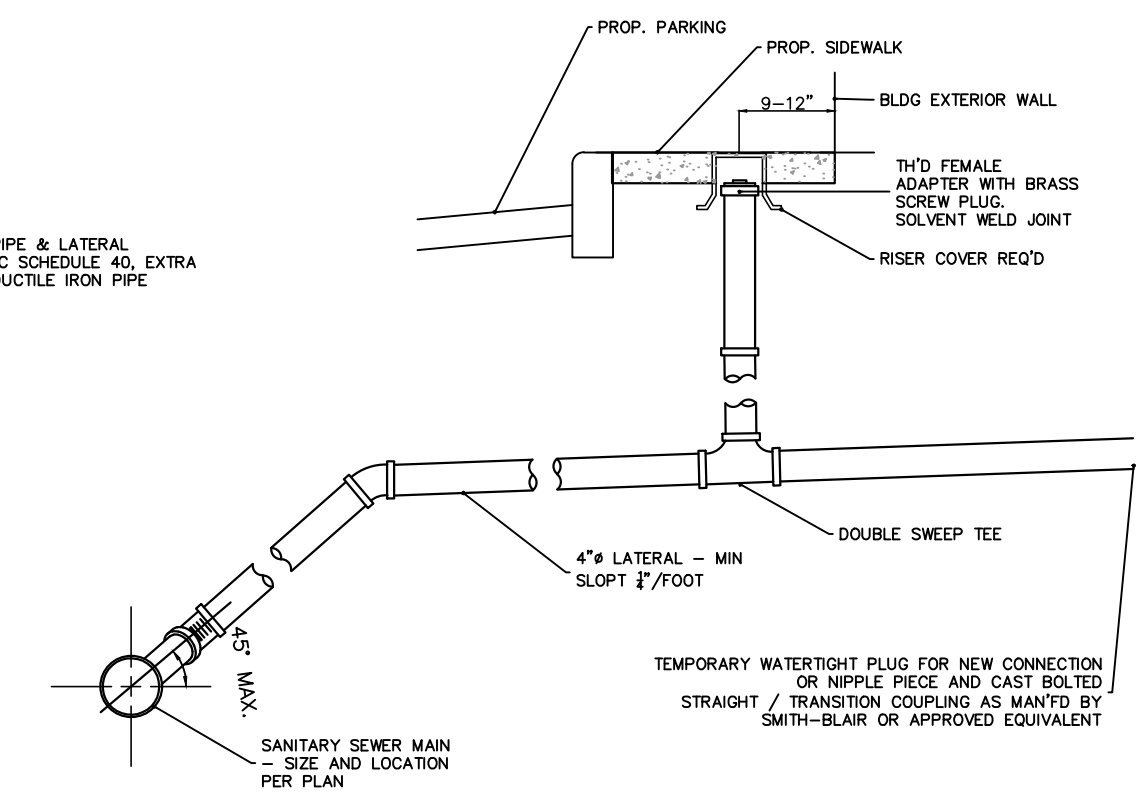
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SCALE	AS NOTED	
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OF	23	

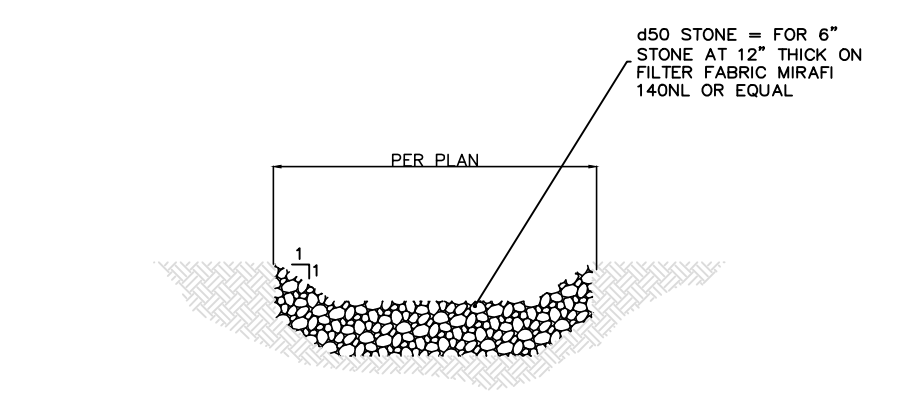
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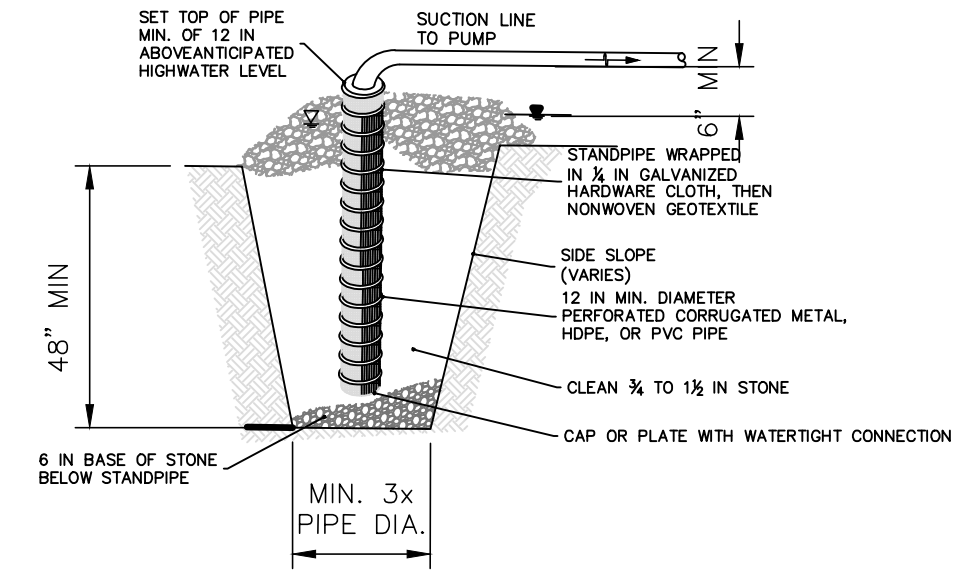
TYPICAL SERVICE CONNECTION WITH METER PIT  
NOT TO SCALE



STANDARD SINGLE UNIT SANITARY CONNECTION  
NOT TO SCALE

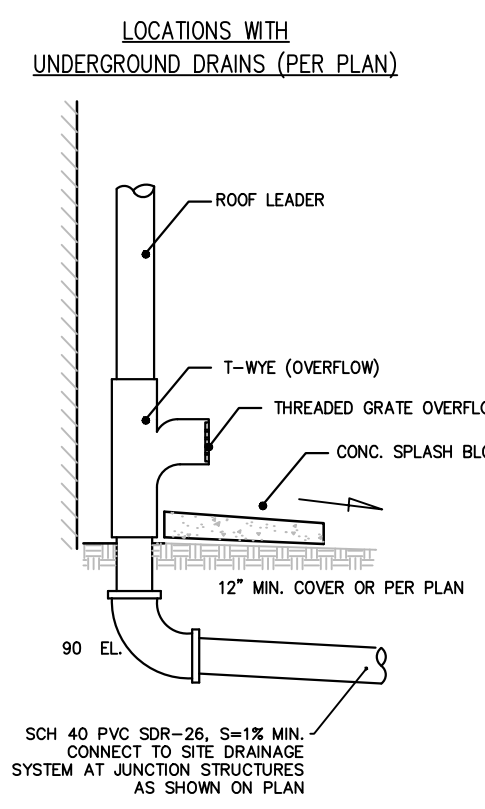


RIP-RAP LOW FLOW CHANNEL/OUTFALL PROTECTION  
NOT TO SCALE

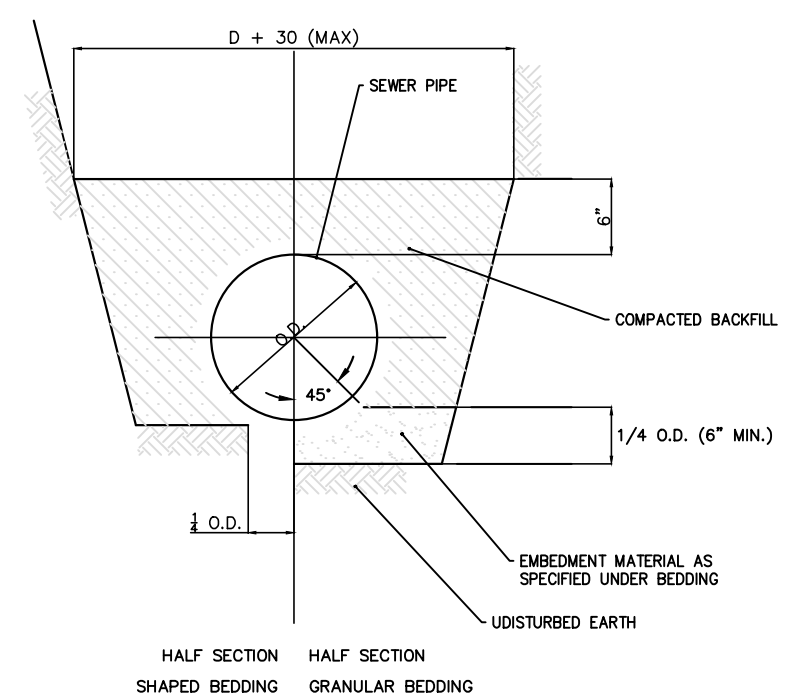


CONSTRUCTION SPECIFICATIONS:  
1. USE 12 INCH OR LARGER DIAMETER CORRUGATED METAL, HDPE, OR PVC PIPE WITH 1 INCH DIAMETER PERFORATIONS, 6 INCHES ON CENTER. BOTTOM OF PIPE MUST BE CAPPED WITH WATER TIGHT SEAL.  
2. WRAP PIPE WITH 4 GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS, OVER THE HARDWARE CLOTH.  
3. EXCAVATE PIT TO THREE TIMES THE PIPE DIAMETER AND FOUR FEET IN DEPTH. 1/2, 6 INCHES IN OR EQUIVALENT RECYCLED CONCRETE. 1/2 PLACE 2-4 DEPTH PRIOR TO PIPE PLACEMENT.  
4. SET TOP OF PIPE MINIMUM 12 INCHES ABOVE ANTICIPATED WATER SURFACE ELEVATION. 1/2 OR 1/4 INCH CLEAN STONE TO 1.  
5. BACKFILL PIT AROUND THE PIPE WITH 2-4 AND EXTEND STONE A MINIMUM OF 6 INCHES EQUIVALENT RECYCLED CONCRETE ABOVE ANTICIPATED WATER SURFACE ELEVATION.  
6. DISCHARGE TO A STABLE AREA AT A NONEROSIVE RATE.  
7. A SUMP PIT REQUIRES FREQUENT MAINTENANCE. IF SYSTEM CLOGS, REMOVE PERFORATED PIPE AND REPLACE GEOTEXTILE AND STONE. KEEP POINT OF DISCHARGE FREE OF EROSION.

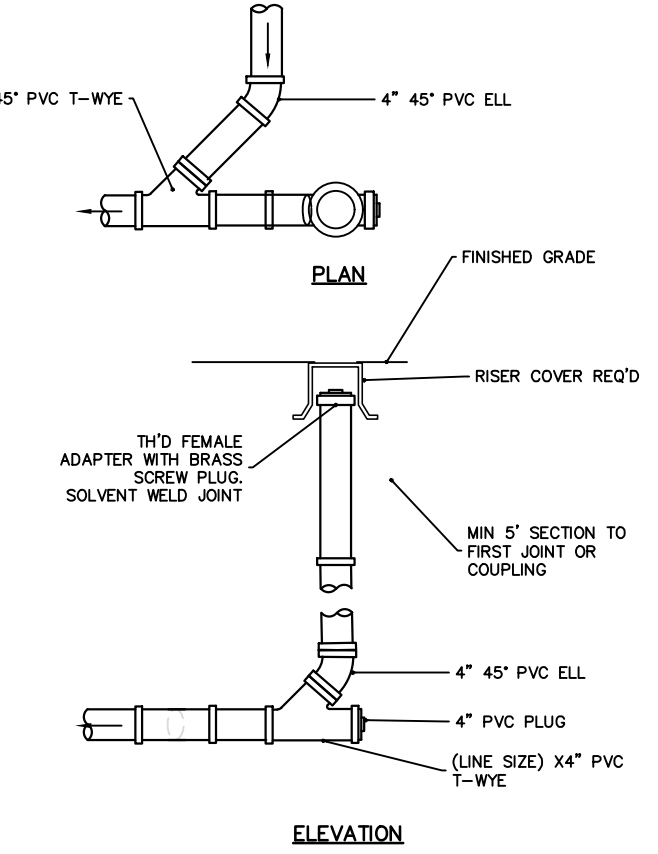
FILTERED DEWATERING PIT  
NOT TO SCALE



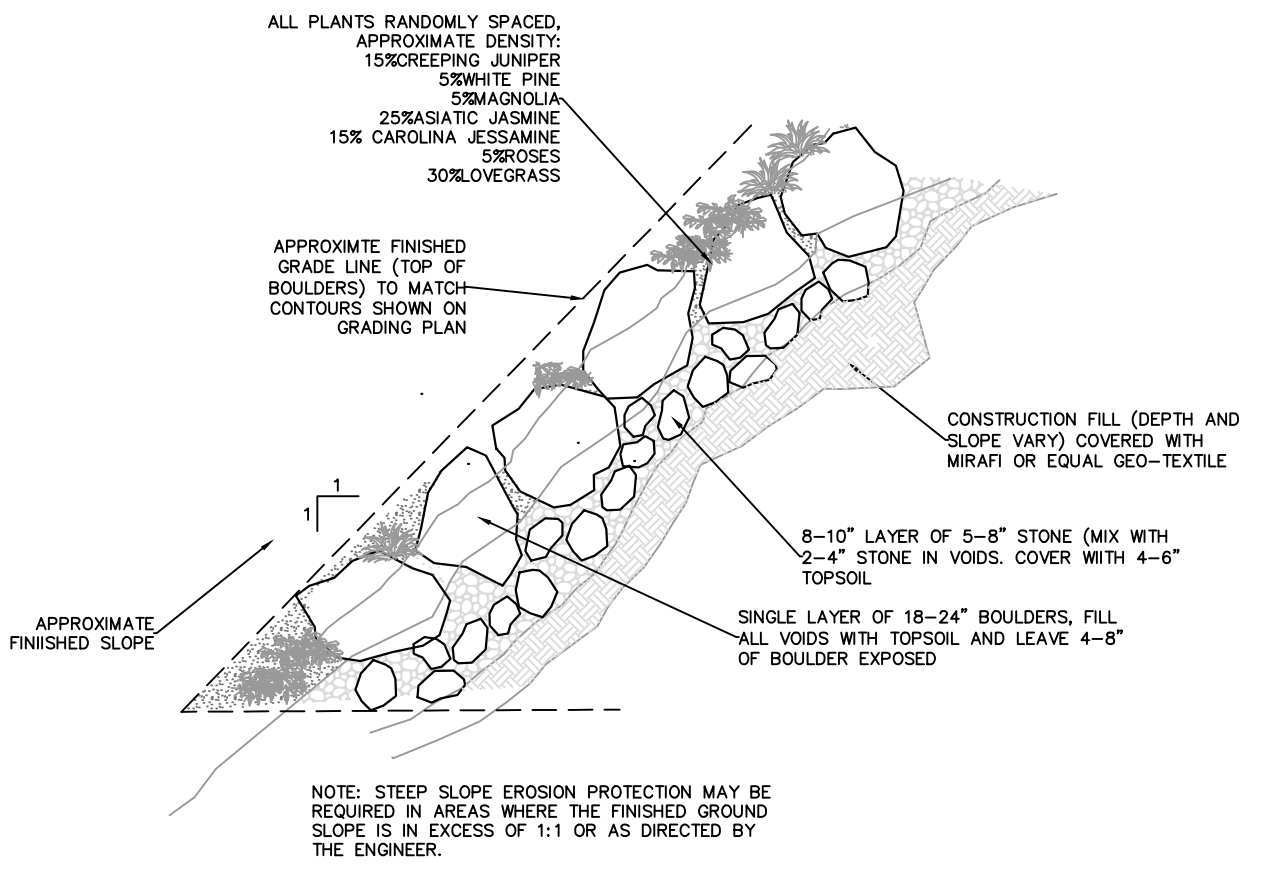
ROOF LEADER DETAIL  
NOT TO SCALE



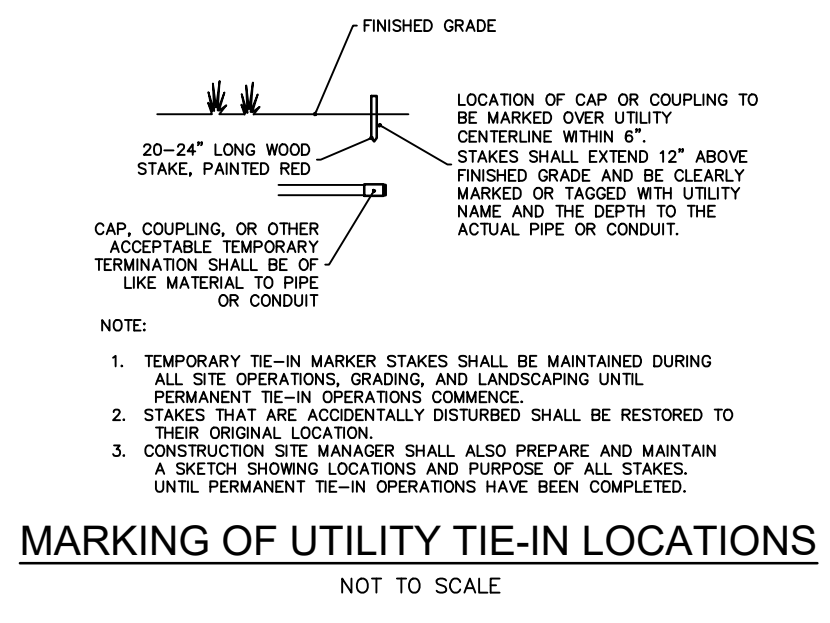
SANITARY SEWER PIPE BEDDING DETAIL  
NOT TO SCALE



4" PVC SANITARY CLEANOUT  
NOT TO SCALE



STEEP SLOPE EROSION PROTECTION DETAIL  
NOT TO SCALE



MARKING OF UTILITY TIE-IN LOCATIONS  
NOT TO SCALE

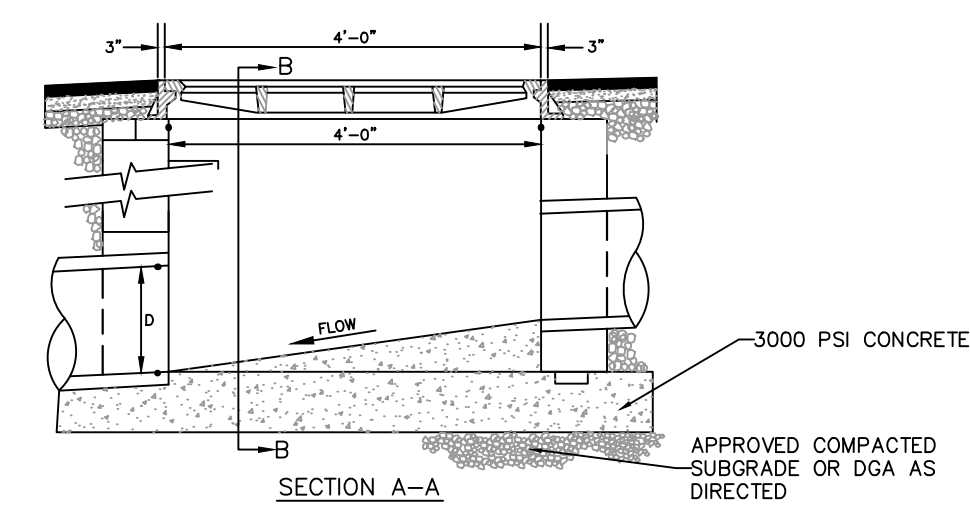
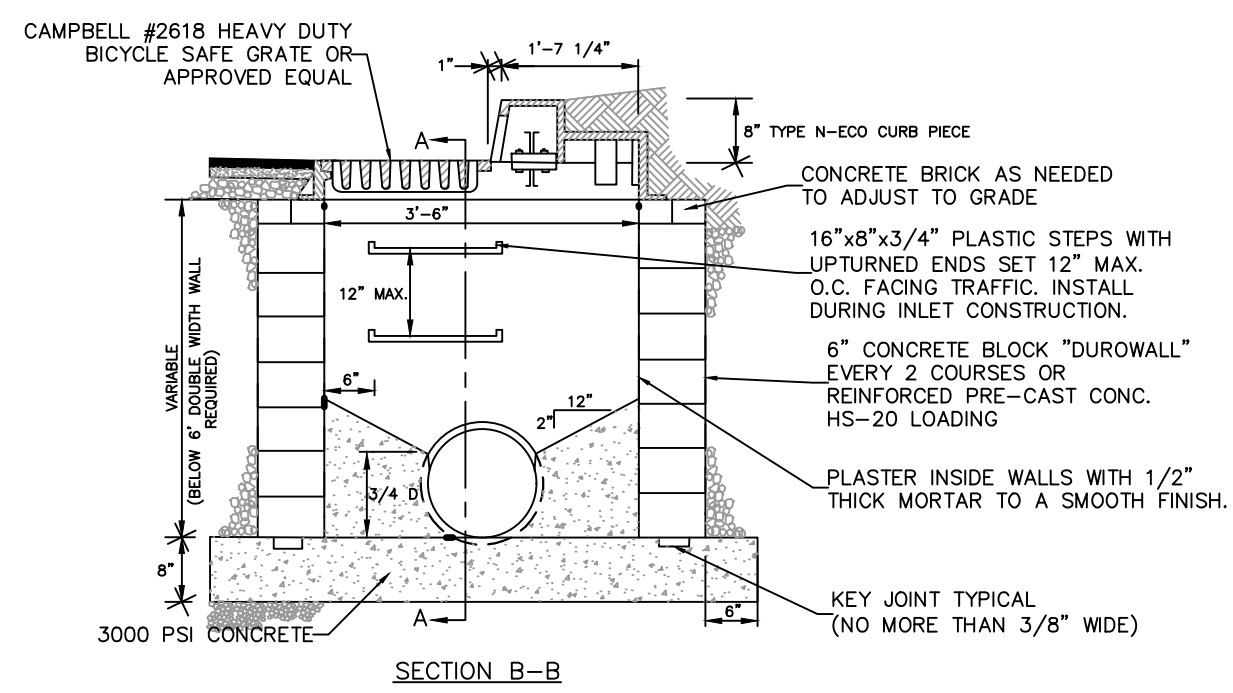
□ = CONTACT BEARING AREA OF BLOCK WITH EARTH, SQUARE FEET

DIAMETER (d) OF PIPE	5'-22 1/2' ELBOW	23'-45' ELBOW	46'-90' ELBOW	TEE CONNECTION	45' WYE	PLUG
4"	0.5	1.4	2.6	1.8	2.2	2.0
6"	1.5	3.0	6.0	4.0	4.5	4.5
8"	2.5	5.0	9.5	6.5	9.5	8.0
10"	4.1	8.0	13.0	9.5	12.5	12.5
12"	5.5	11.5	19.0	13.5	16.0	18.0
16"	9.0	18.0	33.0	23.0	27.0	32.0
20"	14.0	28.0	51.0	36.0	42.0	50.5

- NOTES:
- BEARING AREAS ARE BASED ON UNDISTURBED SOIL WITH A BEARING CAPACITY OF 1,000 POUNDS PER SQUARE FOOT; FOR A LESSER SOIL BEARING CAPACITY THESE AREAS SHALL BE INCREASED ACCORDINGLY.
  - ALL CONCRETE THRUST BLOCKS SHALL BE CLASS "B".
  - THRUST BLOCKS SHALL BE POURED AGAINST UNDISTURBED EARTH.
  - NO JOINT SHALL BE COVERED WITH CONCRETE.
  - APPROVED MECHANICAL JOINT RESTRAINTS ARE REQUIRED AT ALL VERTICAL BENDS AND MAY BE USED IN LIEU OF THRUST BLOCKS AT HORIZONTAL BENDS AT THE OPTION OF THE ENGINEER, AT NO ADDITIONAL COST TO THE OWNER.
  - A BITUMASTIC COATING SHALL BE APPLIED TO ALL BOLTS, NUTS, WASHERS, RODS, THRUST RESTRAINT BOLTS AND ALL UNCOATED HARDWARE.
  - 6 MIL. POLY SHEATHING SHALL BE PLACED BETWEEN FITTINGS AND CONCRETE THRUST BLOCKS.
  - THIS TABLE SHALL BE USED FOR BOTH HORIZONTAL AND VERTICAL OFFSETS OVER 12".

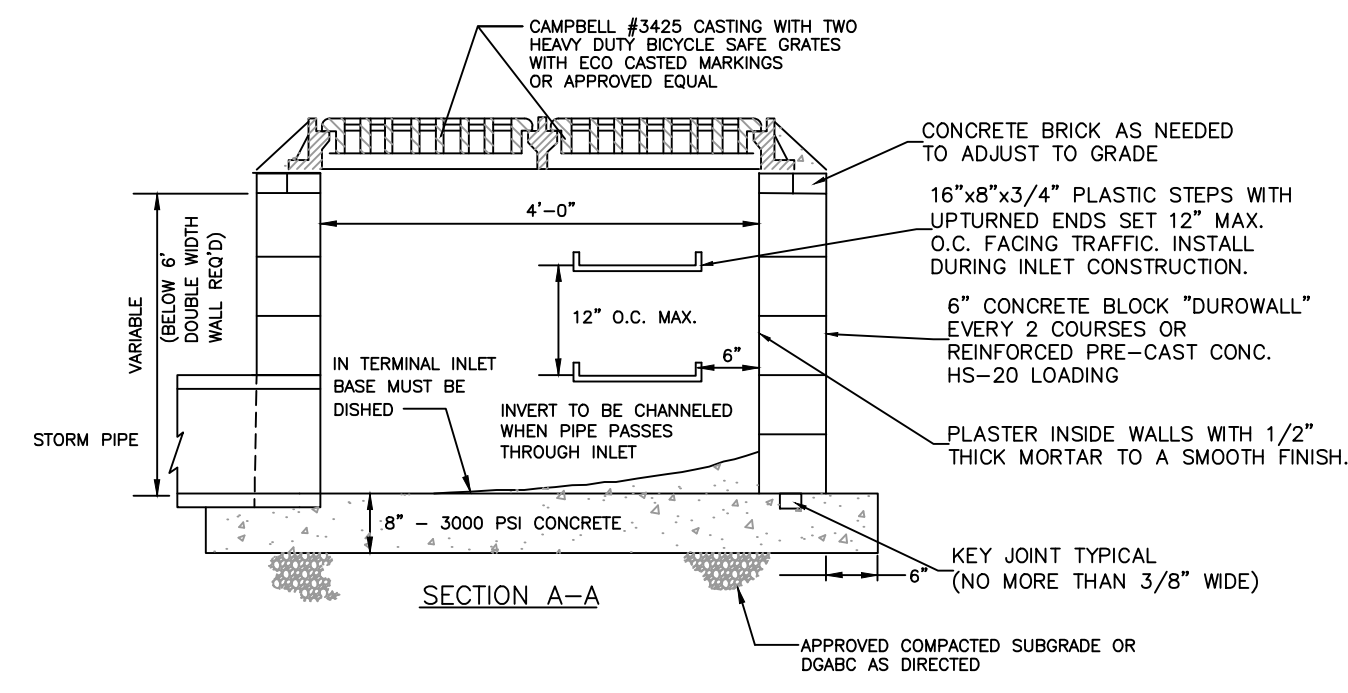
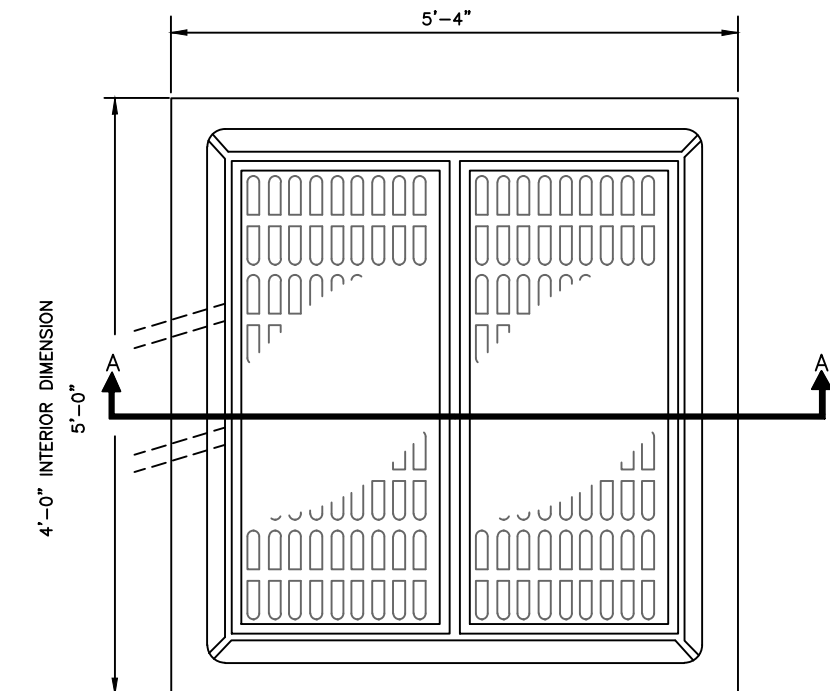
TABLE OF THRUST BLOCKS  
NOT TO SCALE

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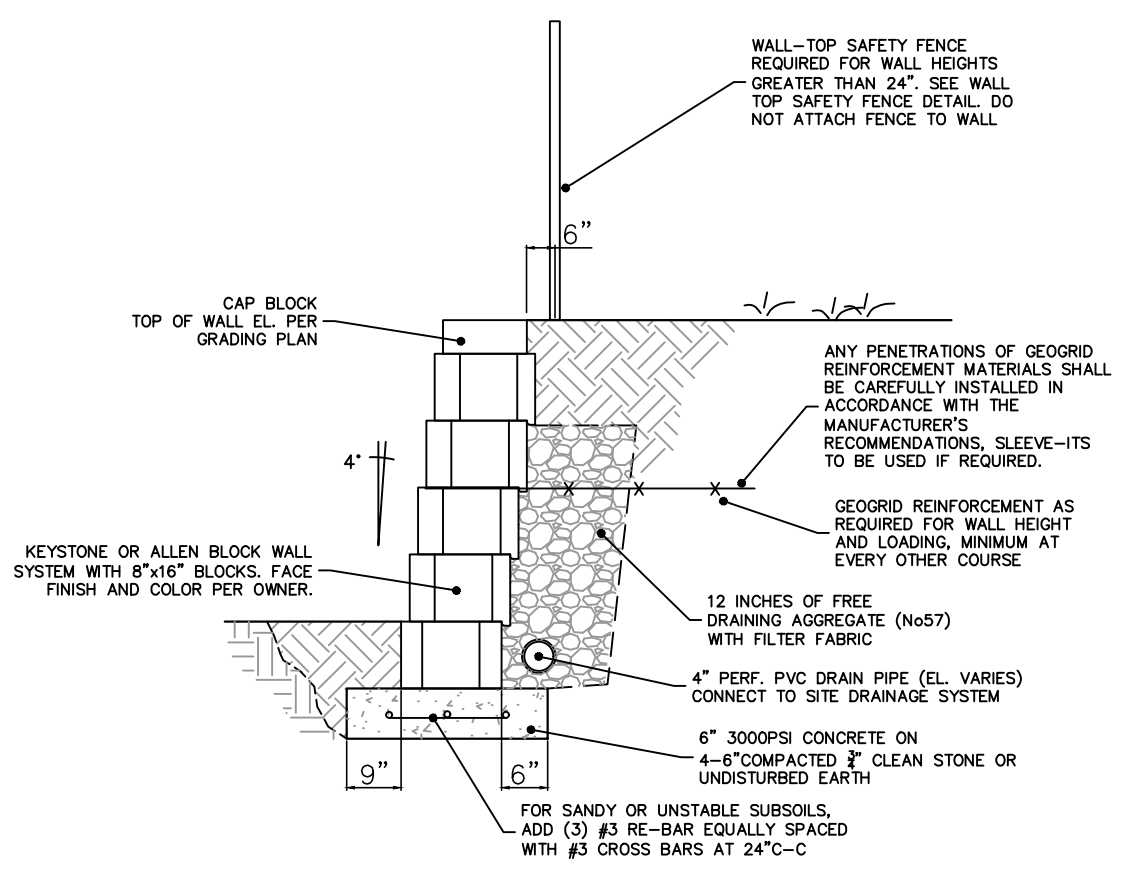


- NOTES:
1. FOOTER AND INVERT TO BE 3000 PSI CONCRETE.
  2. PLASTER WALLS INSIDE WITH 1/2" THICK MORTAR TO A SMOOTH FINISH.
  3. FOR DEPTH BELOW 6" DOUBLE WALL IS REQUIRED.
  4. "DUROWALL" EVERY 2 COURSES.
  5. CASTING TO BE SET IN A BED OF MORTAR.
  6. ALL BACKFILL TO BE DENSE-GRADED AGGREGATE COMPACTED IN 8" LIFTS.
  7. PROVIDE TEMPORARY BITUMINOUS CONCRETE RAMPS AS DIRECTED BY THE ENGINEER.
  8. TYPE N-ECO CURB PIECE TO CONTAIN CASTED CURB MARKINGS "DRAINS TO WATERWAY".

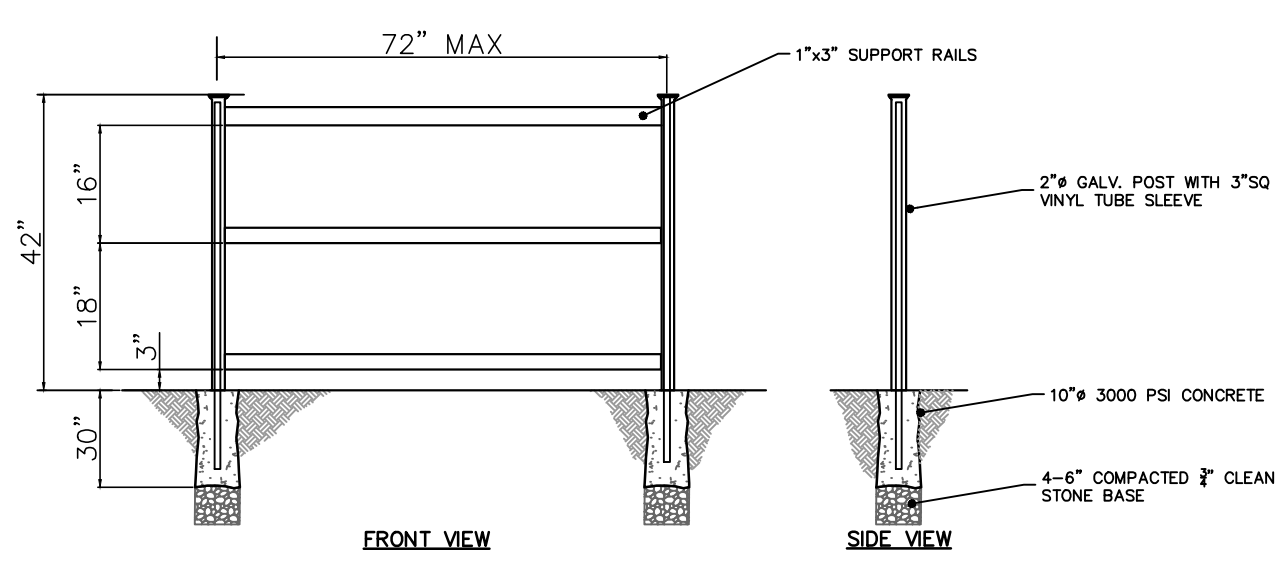
**B-INLET DETAIL**  
NOT TO SCALE



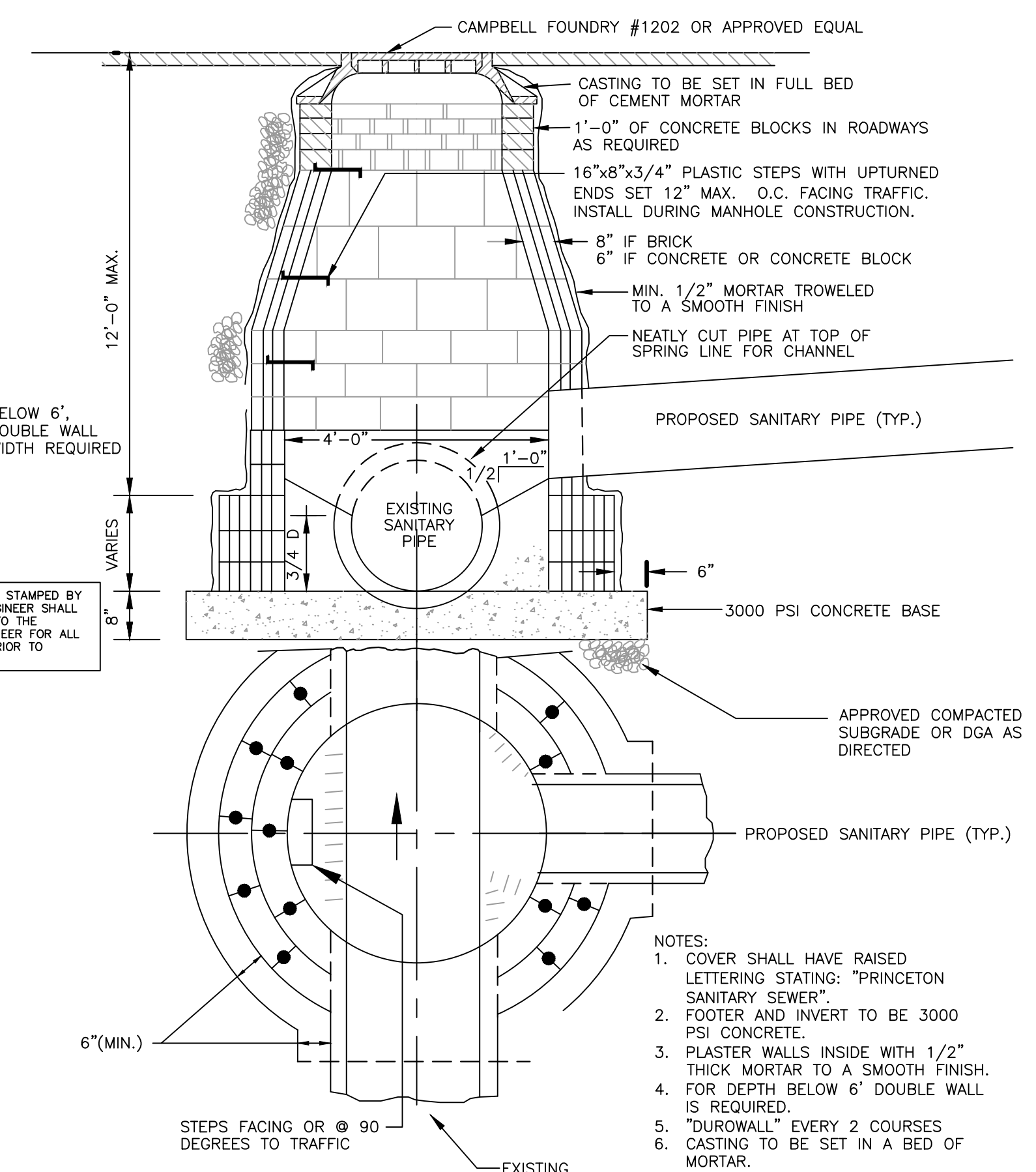
**E-INLET DETAIL**  
NOT TO SCALE



**MODULAR BLOCK RETAINING WALL**  
NOT TO SCALE



**42" WHITE VINYL WALL TOP SAFETY FENCE DETAIL**  
NOT TO SCALE

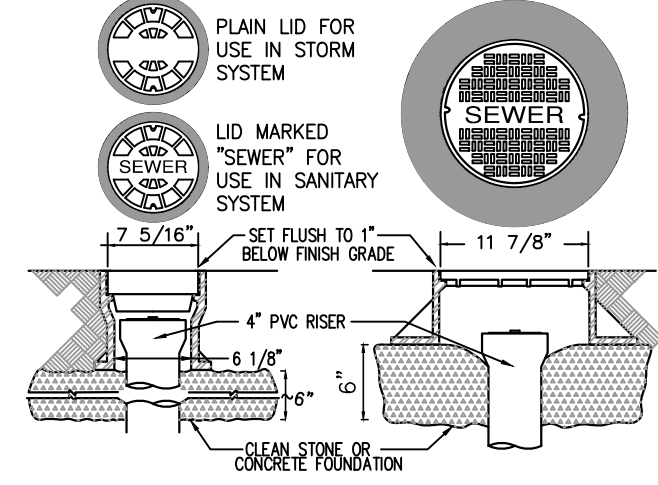


SHOP DRAWINGS STAMPED BY THE DESIGN ENGINEER SHALL BE SUBMITTED TO THE TOWNSHIP ENGINEER FOR ALL COMPONENTS PRIOR TO CONSTRUCTION.

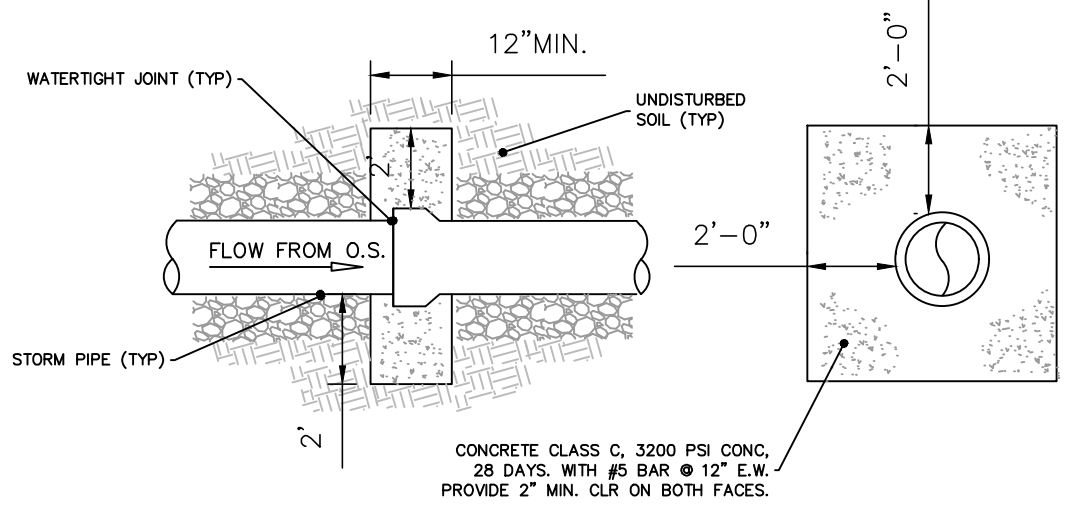
- NOTES:
1. COVER SHALL HAVE RAISED LETTERING STATING: "PRINCETON SANITARY SEWER".
  2. FOOTER AND INVERT TO BE 3000 PSI CONCRETE.
  3. PLASTER WALLS INSIDE WITH 1/2" THICK MORTAR TO A SMOOTH FINISH.
  4. FOR DEPTH BELOW 6" DOUBLE WALL IS REQUIRED.
  5. "DUROWALL" EVERY 2 COURSES.
  6. CASTING TO BE SET IN A BED OF MORTAR.
  7. ALL BACKFILL TO BE DENSE-GRADED AGGREGATE COMPACTED IN 8" LIFTS.
  8. PROVIDE TEMPORARY BITUMINOUS CONCRETE RAMPS AS DIRECTED BY THE ENGINEER.
  9. HS-20 TRAFFIC LOADING REQUIRED.

**TYPICAL SANITARY MH (DOGHOUSE) DETAIL**  
NOT TO SCALE

(\*) CAST IRON FRAME AND LID REQUIRED IN ALL PAVED SURFACES AND WITHIN RIGHT OF WAY.



**RISER COVER DETAIL**  
(DETAIL SIMILAR FOR SANITARY CLEANOUTS)  
NOT TO SCALE



**ANTI-SEEP COLLAR DETAIL**  
NOT TO SCALE

**OneSource Construction & Engineering**  
CLIENT: MELISSA AND ANTHONY MARTIN  
PROJECT LOCATION:  
739 SOUTH MAIN STREET  
MT. PLEASANT, TN 38474  
MAURY COUNTY PLANNING FILE NO. T.B.D.

**739 SOUTH MAIN PLAZA**  
**STORM DRAINAGE SYSTEM DETAILS**  
**739 SOUTH MAIN STREET**  
**MT. PLEASANT, TENNESSEE**

PROJECT ADDRESS

REVISIONS	
DATE	DESCRIPTION
0 3/23/26	ORIGINAL ISSUE
4/28/26	REVISED PER CITY AND FIRE COMMENTS

DRAWN	MJF	2/20/26
CHECKED	ZA	3/30/26
SCALE	AS NOTED	
PROJECT	26005	

SHEET	DRAWING NUMBER	
20	C-20	
OF	23	

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4/29/26



