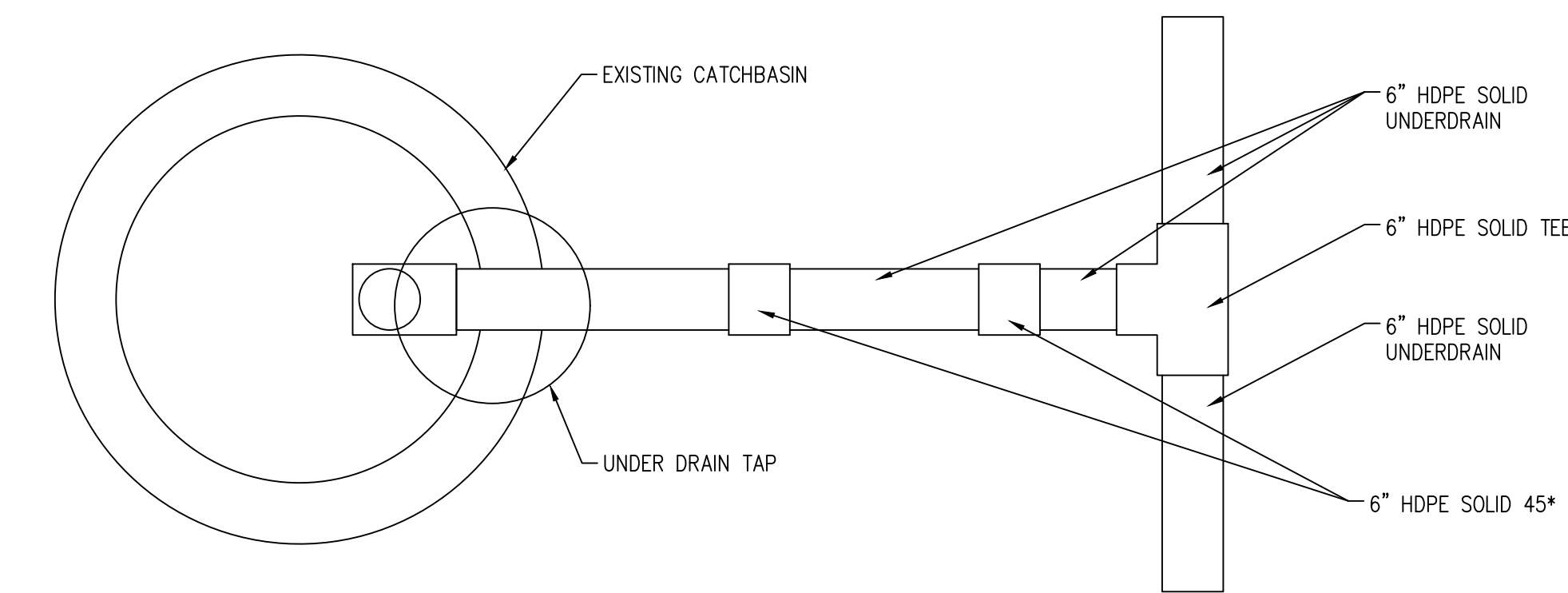
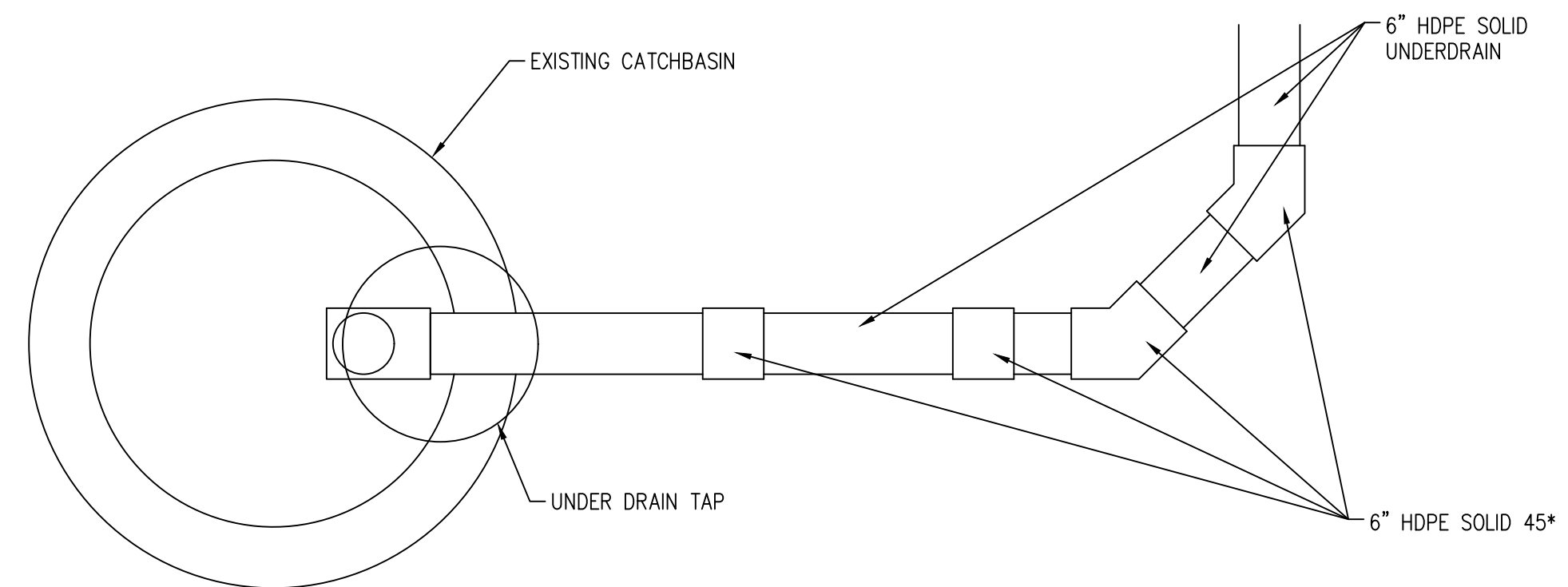


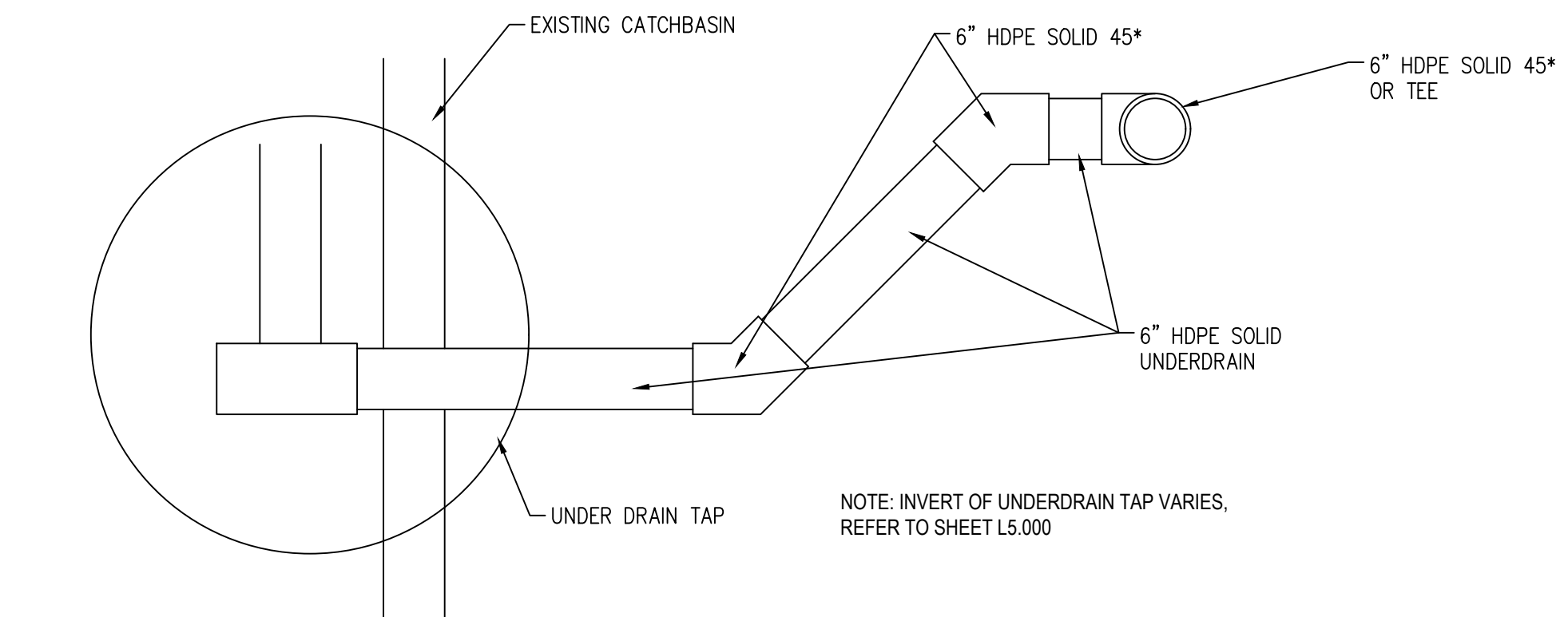
1 UNDERDRAIN TAP  
L7.001 NO SCALE



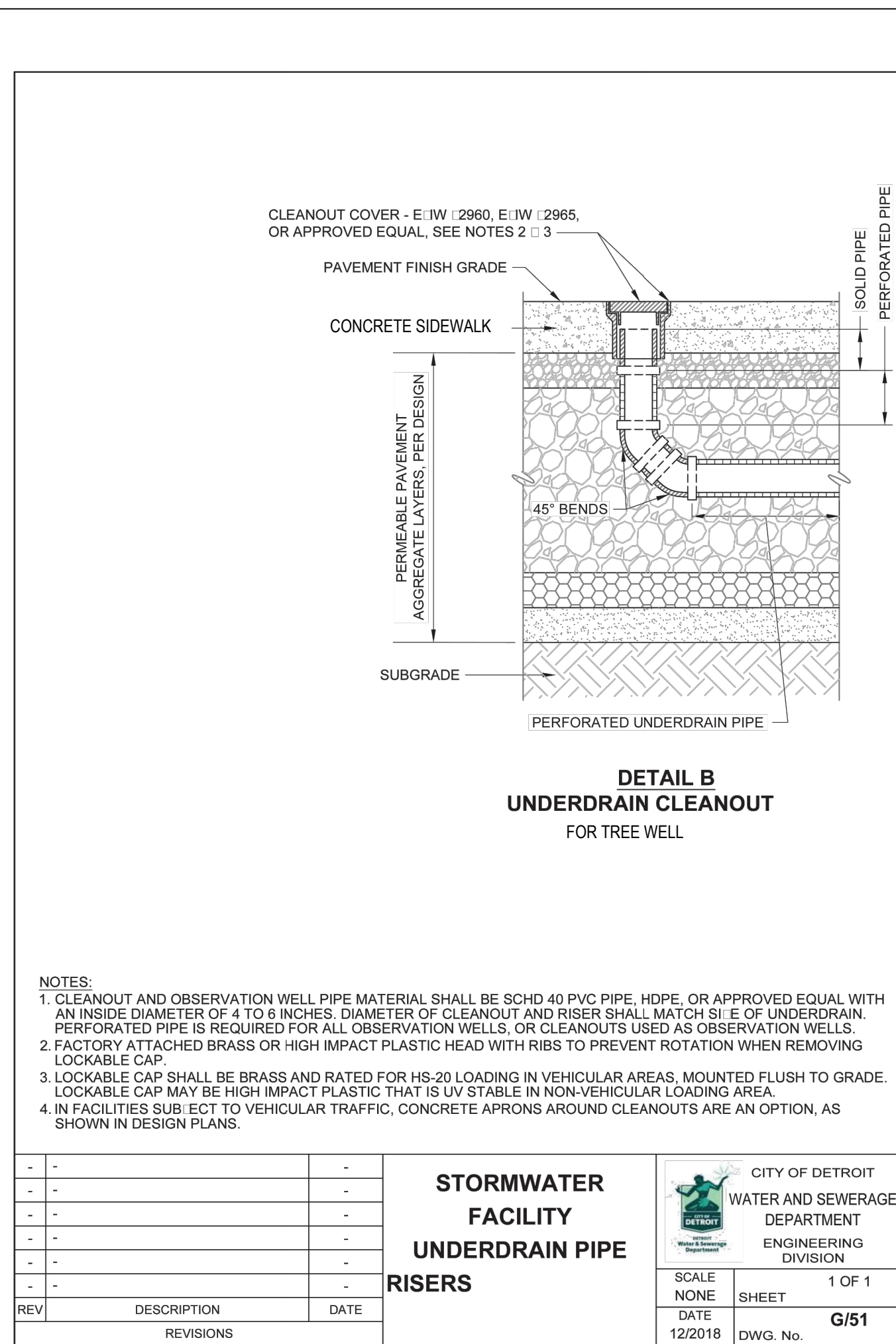
2 UNDERDRAIN DROP W/ TEE PLAN  
L7.001 NO SCALE



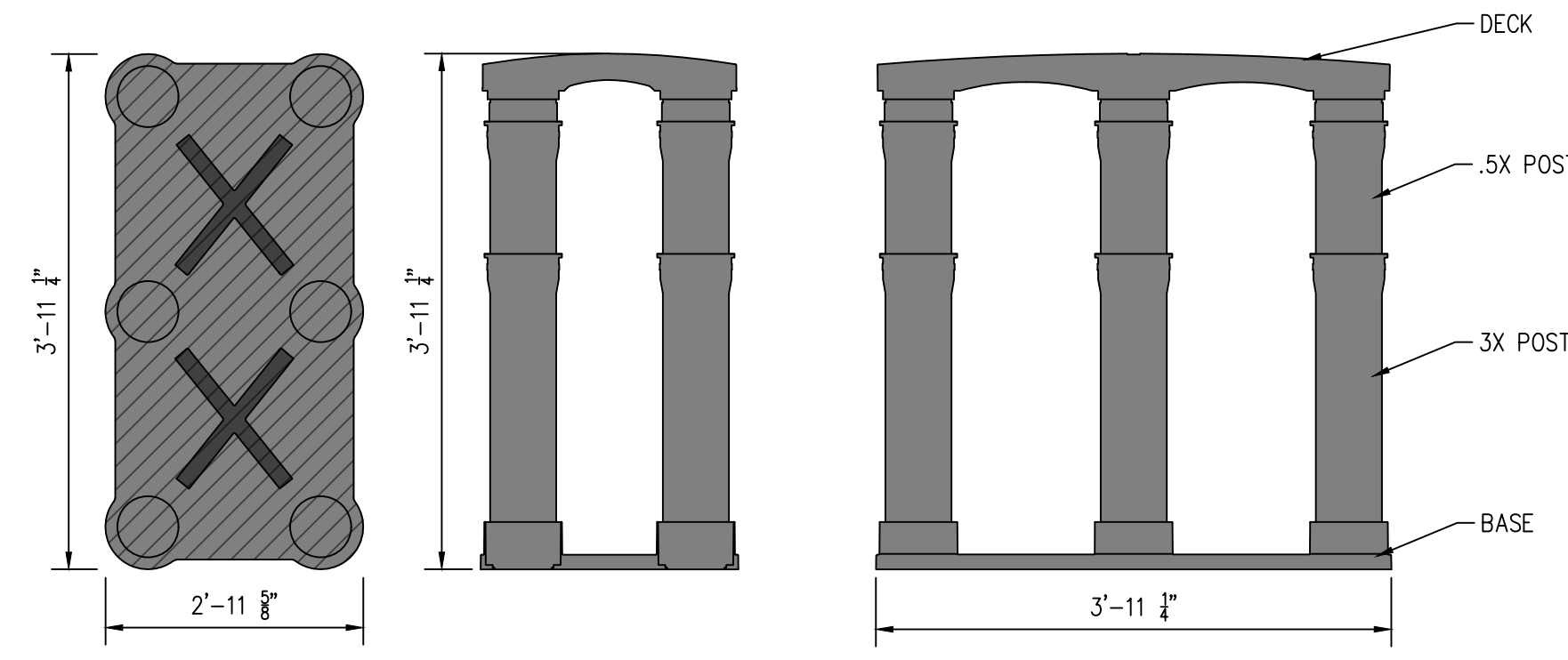
3 UNDERDRAIN DROP W/ 45 DEGREE PLAN  
L7.001 NO SCALE



4 UNDERDRAIN DROP W/ 45 DEGREE ELEVATION  
L7.001 NO SCALE



5 TREE WELL UNDERDRAIN  
L7.001 NO SCALE



6 DEEPROOT SILVA CELL 3.5X  
L7.001 NO SCALE

#### GENERAL LANDSCAPE NOTES

THE WORK CONSISTS OF PROVIDING ALL NECESSARY MATERIALS, LABOR, EQUIPMENT, TOOLS AND SUPERVISION REQUIRED TO COMPLETE THE WORK AS SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING AND COORDINATING WITH ALL PERTINENT UTILITY COMPANIES WORKING DAYS IN ADVANCE OF ANY DIGGING TO FAMILIARIZE THEMSELVES WITH ALL UNDERGROUND UTILITIES, PIPES AND STRUCTURES. THE CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR ANY COST INCURRED DUE TO DAMAGE TO ANY UTILITIES.

THE CONTRACTOR SHALL NOT WILLFULLY PROCEED WITH THE CONSTRUCTION AS DESIGNED WHEN IT IS OBVIOUS THAT OBSTRUCTIONS AND/OR GRADE DIFFERENCES EXIST. SUCH CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT AND FIELD ENGINEER. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE NOTIFICATION.

DISCREPANCIES BETWEEN DIMENSIONED LAYOUT AND ACTUAL FIELD CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.

ALL UNPAVED PORTIONS OF THE SITE SHALL BE PLANTED WITH GRASS, GROUND COVER, SHRUBS OR OTHER LIVE PLANT MATERIAL.

ALL LAWN AREAS SHALL HAVE 4" MINIMUM OF TOPSOIL.

ALL PLANTING BEDS SHALL HAVE 12" MINIMUM OF PLANT MIX AND 4" OF SHREDDED HARDWOOD BARK MULCH AS SPECIFIED ON THIS SHEET.

ALL TOPSOIL SHALL BE SCREENED, FERTILE, SANDY LOAM. PH RANGE SHALL BE 6.5%-7%. ORGANIC CONTENT SHALL RANGE BETWEEN 4%-6%. AMEND SOIL AS NECESSARY TO ACHIEVE SOIL PARAMETERS.

PLANT MATERIAL:  
THE CONTRACTOR SHALL PROVIDE A ONE YEAR WARRANTY ON ALL PLANTS AND VEGETATION PROPOSED ON THE PLANTING PLAN. ANY TREES, SHRUBS, GROUND COVER OR OTHER VEGETATION PLANTED AS PART OF THIS PROJECT THAT DO NOT SURVIVE ONE YEAR FROM PLANTING SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR. THE LANDSCAPE ARCHITECT SHALL BE THE SOLE JUDGE OF REQUIRED REPLACEMENTS.

REFER TO THE DRAWING AND PLANTING DETAILS FOR PLANTING REQUIREMENTS, MATERIALS AND EXECUTION. IF THERE IS A DISCREPANCY BETWEEN THE DRAWINGS AND THE PLANT LIST, THE DRAWINGS SHALL GOVERN.

PLANT SHRUBS IN A DORMANT CONDITION, BEFORE NEW GROWTH APPEARS. PLANTING AT TIMES OTHER THAN THOSE INDICATED MUST OBTAIN PRIOR APPROVAL FROM THE LANDSCAPE ARCHITECT.

PLANTS SHALL BE OBTAINED FROM REGISTERED PLANT NURSERIES, AND NOT OBTAINED FROM THE WILD.

ALL PLANTS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT UPON DELIVERY TO THE SITE. PLANTS DELIVERED TO THE SITE THAT DO NOT MEET THE ABOVE CRITERIA MAY BE REJECTED AND ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

THE OWNER RESERVES THE RIGHT TO SELECT AND/OR APPROVE PLANT SELECTIONS AT THE NURSERY WHERE GROWN, PRIOR TO ACCEPTANCE OF MATERIALS.

CONTRACTOR SHALL FIELD STAKE TREES AND SHRUBS TO BE APPROVED BY THE LANDSCAPE ARCHITECT.

THE LANDSCAPE ARCHITECT SHALL APPROVE ALL BED LAYOUTS, PRIOR TO INSTALLATION BY THE CONTRACTOR. BACKFILL MIX FOR ALL PLANTINGS, USE BACKFILL MIX CONSISTING OF THE FOLLOWING:

- ONE PART EXCAVATED SOIL.
- ONE PART EPA RATED CLASS IV COMPOST.
- A SLOW RELEASE COMMERCIAL FERTILIZER (20-20-20 OR EQUAL) ADDED AT A RATE OF 5 POUNDS PER CUBIC YARD TO THE BACKFILL MIX.
- IF SOIL AREAS ARE OF HIGH PH (GREATER THAN 6.5) APPLY 1.25 POUNDS OF ELEMENTAL SULFUR PER CUBIC YARD OF BACKFILL MIX.

NOTE: CONTRACTOR SHALL SUPPLY A DETAILED SOIL ANALYSIS PRIOR TO ALL PLANT BED PREPARATION. ANALYSIS SHALL INDICATE SOIL PH, TEXTURE, MAJOR NUTRIENTS, SALTS, ETC. SOIL ANALYSIS SHALL BE FROM A REPUTABLE, INDEPENDENT LAB. SOIL AMENDMENTS SHALL BE INCORPORATED INTO BACKFILL. PLANT MIX AS RECOMMENDED BY THE INDEPENDENT LAB.

SMOOTH AND SHAPE THE BACKFILL MIX TO FORM A SHALLOW BASIN SLIGHTLY LARGER THAN THE PLANTING HOLE. MULCH ALL PLANTING AREAS WITH A LAYER OF FINELY SHREDDED HARDWOOD BARK OF UNIFORM TEXTURE AND SIZE. USE SHREDDED HARDWOOD BARK, AGED MIN. OF ONE YEAR. RAKE AND SMOOTH THE ENTIRE AREA OF THE PLANTING BEDS. MULCH TO A DEPTH OF 4 INCHES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING, DELIVERING, APPLYING, MEASURING AND SCHEDULING A SUFFICIENT AMOUNT OF WATER NECESSARY TO KEEP EACH PLANT IN A HEALTHY GROWING CONDITION THROUGHOUT THE PERIOD OF ESTABLISHMENT. THE CONTRACTOR SHALL APPLY 1" OF WATER PER WEEK TO ALL NEW PLANTS.

RESTORATION OF DISTURBED AREAS FOR NEW LAWN. ALL DISTURBED AREAS NOT COVERED BY BUILDING, PAVEMENT OR LANDSCAPE PLANTING BEDS SHALL BE PREPARED FOR GRASS AND SEEDED. LOOSEN RUTS AND WORK THE SOIL AREAS TO A MINIMUM OF 8" DEEP PRIOR TO FINE GRADING AND SEEDING WORK.

STRAW MULCH SHALL BE APPLIED 3" IN DEPTH. ALL MULCHING MUST HAVE A TIE DOWN.

LAWN SEED SHALL BE FRESH, CLEAN DRY NEW CROP SEED COMPOSED OF VARIETIES, MIXED IN PROPORTIONS, AND TESTED FOR MINIMUM PERCENTAGES OF PURITY AND GERMINATION AS FOLLOWS BY WEIGHT.

VARIETY	PROPORTION BY WEIGHT	PURITY	GERMINATION
BARON KENTUCKY BLUEGRASS	20	90	80
VANTAGE KENTUCKY BLUEGRASS	20	90	80
PARK KENTUCKY BLUEGRASS	20	90	80
PENNING PERENNIAL RYEGRASS	20	90	80
CREeping RED FESCUE	20	90	80

#### IRRIGATION

ALL PLANTING BEDS AND TURF AREAS SHALL HAVE FULLY AUTOMATIC IRRIGATION SYSTEM INSTALLED.

WATER SHALL BE POTABLE AND SUPPLIED FROM THE BUILDING.

CONTRACTOR TO COORDINATE WITH THE MEP CONTRACTORS TO HAVE WATER AND POWER SUPPLIED FOR THE IRRIGATION SYSTEM.

WATER SHALL NOT BE SPRAYED ACROSS WALKS, AT SIGNS, OTHER SITE FEATURES OR THE BUILDING.

PLANTING BEDS AND TURF AREAS SHALL BE ZONED SEPARATELY.

CONTRACTOR SHALL DISCUSS WITH OWNER IRRIGATION OPTIONS TO DETERMINE PREFERRED IRRIGATION METHOD OF PLANTING BEDS.

TURF AREAS SHALL BE IRRIGATED WITH POP UPS AND/OR ROTORS, SIZED TO FIT THE LAWN AREA TO BE IRRIGATED.

IF THE OWNER ELECTS TO USE DRIP IRRIGATION IN PLANTING BEDS, THE FOLLOWING SPECIFICATIONS APPLY:

- DRIPPERLINE TO BE MANUFACTURED BY HUNTER PLD-36-12, NETAFIM TECHLINE CV, RAINBRO XSF DRIPLINE XSF-06-12, OR TORO DL200, RGP-2-12.
- SUBSURFACE IRRIGATION TUBING SHALL BE SELF-FLUSHING, PRESSURE COMPENSATING DRIPPERLINE WITH INTERNAL CHECK VALVE AT EACH EMITTER. DRIPPERLINE SHALL CONSIST OF NOMINAL SIZE ONE-HALF INCH-LOW DENSITY, LINEAR POLYETHYLENE TUBING WITH INTERNAL PRESSURE COMPENSATING, CONTINUOUSLY SELF-FLUSHING, INTEGRAL DRIP EMITTERS. THE EMITTERS SHALL HAVE THE ABILITY TO INDEPENDENTLY REGULATE DISCHARGE RATES, WITH AN OUTPUT PRESSURE OF 7 TO 70 PSI AND SHALL CONTINUOUSLY CLEAN THEMSELVES WHILE IN OPERATION.
- DRIPPERLINE SHALL HAVE EMITTERS SPACED 12" O.C. AND EACH EMITTER SHALL HAVE 5 - 8 GPH EMITTER OUTPUT.
- HEADER PIPE FOR ALL DRIPPERLINE SHALL BE POLYETHYLENE PIPE, 1" SIZE.
- ALL FITTINGS SHALL BE MANUFACTURED FOR USE WITH THE SUBSURFACE IRRIGATION TUBING BY THE SUBSURFACE DRIPPERLINE MANUFACTURER.
- ALL ASSOCIATED SYSTEM EQUIPMENT INCLUDING AIR RELIEF VALVES, FLUSH VALVES, PRESSURE REGULATING VALVES AND FILTERS SHALL BE MANUFACTURED FOR USE WITH THE SUBSURFACE IRRIGATION TUBING BY THE SUBSURFACE DRIPPERLINE MANUFACTURER.

SUBMIT SHOP DRAWING OF ALL IRRIGATION COMPONENTS, PROPOSED LAYOUT AND WATER SOURCE, TO THE LANDSCAPE ARCHITECT, FOR REVIEW, PRIOR TO THE START OF CONSTRUCTION.

CONTRACTOR TO OPERATE THE SYSTEM FOR APPROVAL BY THE OWNER.

CONTRACTOR TO PROVIDE SPRING START UP, FALL SHUT DOWN AND TRAINING TO THE OWNER'S MAINTENANCE STAFF.

ADJUST IRRIGATION HEADS AND TIMING TO SUIT NEW LANDSCAPE PLAN.

TREAT TREES TO BE RELOCATED, WITH WILT PRUF, OR EQUAL, PRIOR TO TRANSPLANTING. FOLLOW MANUFACTURER'S DIRECTIONS.