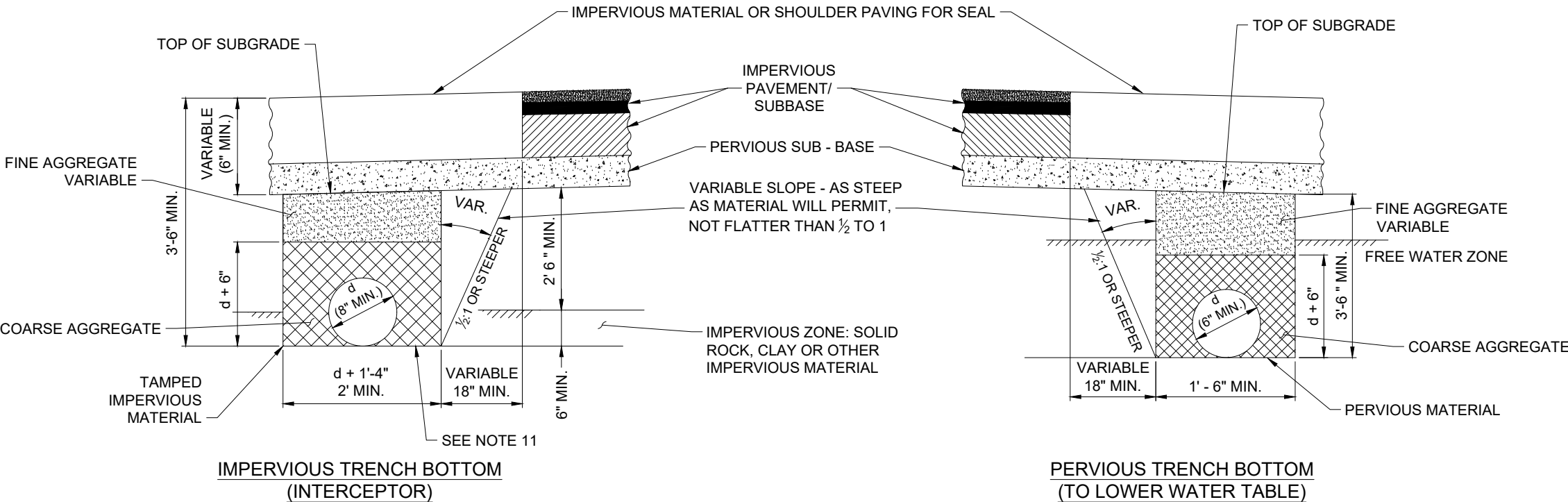
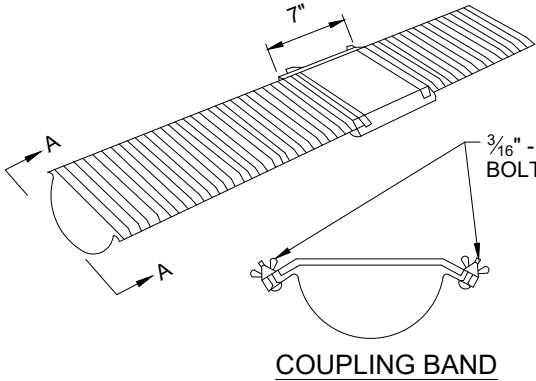
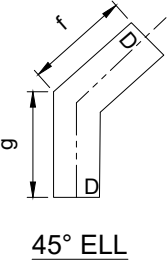
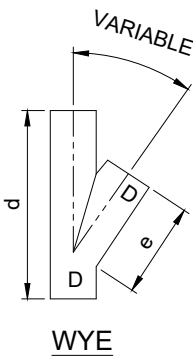
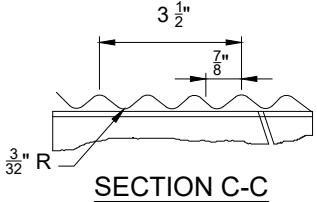
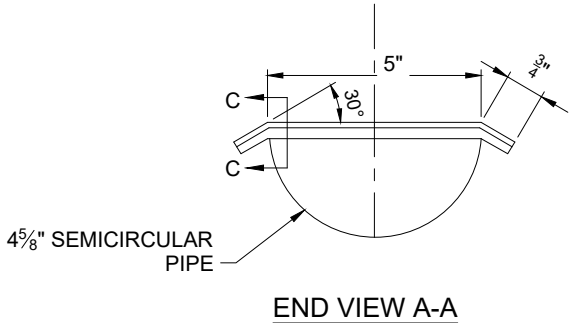
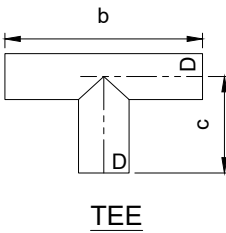
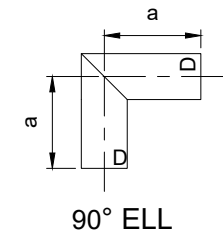
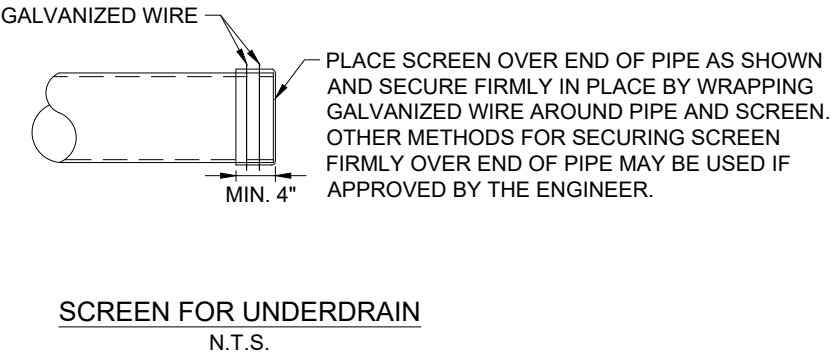
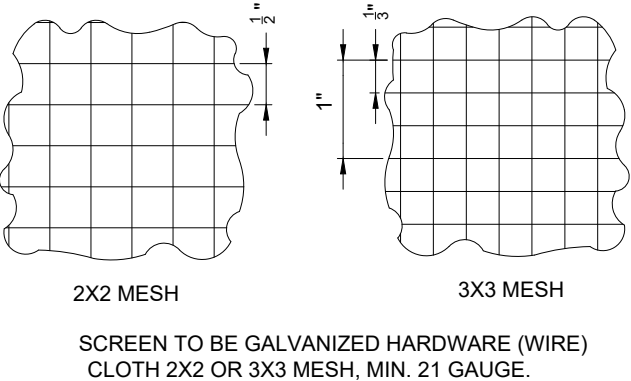


520 - Standard Perforated Underdrain.dwg March 17, 2026 - 3:12pm



- NOTES:
1. UNDERDRAINS MAY BE PLACED IN SHOULDER AREAS OR AS TRANSVERSE DRAINAGE UNDER PAVEMENT. SEE SPECIAL SECTION AND PLAN AND PROFILE SHEETS FOR SPECIAL CONDITIONS.
 2. TRENCH SHALL BE SHAPED WITH SIDES AS NEARLY VERTICAL AS IS PRACTICAL AND WITH A FLAT BOTTOM.
 3. MINIMUM GRADIENT FOR UNDERDRAIN PIPE SHALL BE 0.15%.
 4. THE LOWER ROW OF PERFORATIONS IN THE PIPE SHALL BE PLACED ABOVE THE BOTTOM OF THE TRENCH AS SHOWN.
 5. DEAD ENDS OF PIPE SHALL BE CLOSED WITH METAL CAPS OR CONCRETE PLUGS. OUTFALL ENDS OF PIPE SHALL BE EQUIPPED WITH SCREEN.
 6. LATERAL CONNECTIONS SHALL BE MADE WITH SUITABLE STANDARD FITTINGS (ELLS, WYES OR TEES AS DETAILED).
 7. THE DIMENSIONS (A THRU G) SHOWN ABOVE ON THE LATERAL CONNECTIONS FOR THE VARIOUS KINDS AND SIZES OF PERFORATED UNDERDRAIN SHALL BE IN AGREEMENT WITH THE MANUFACTURER'S STANDARD PRACTICE.
 8. MARKERS: EACH OUTLET END OF THE DRAINAGE SYSTEM SHALL BE MARKED WITH A 5'X4'X4". PERSEVERATIVE TREATED WOOD POST PLACED 3' IN THE GROUND IN A VERTICAL POSITION OF THE EXTREME OUTLET END AND ADJACENT TO THE SITE OF THE PIPE.
 9. COURSE AGGREGATE FOR UNDERDRAIN TO BE COMPOSED OF NO.7 STONE. FINE AGGREGATE FOR UNDERDRAIN TO BE COMPOSED OF NO.20 SAND.
 10. PERFORATED UNDERDRAIN PIPE WILL BE INSTALLED COMPLETE PRIOR TO PLACING PERVIOUS SUBBASE MATERIAL.
 11. IF THE BOTTOM OF THE TRENCH IS EXCAVATED WITH A MACHINE OR ANY OTHER IMPLEMENT, LEAVING A ROUNDED BOTTOM THE AREA SO THE PIPE SHALL BE BACKFILLED WITH A STABLE MATERIAL, THOROUGHLY COMPACTED, LEAVING A FIRM FLAT SURFACE. EACH FINISHED TRENCH SHALL HAVE A FLAT BOTTOM.



SEMICIRCULAR UNDERDRAIN PIPE



FULTON COUNTY STANDARD DETAIL 520
STANDARD PERFORATED UNDERDRAIN

DATE	REVISIONS	DATE	REVISIONS

DGS/DRN/CHKD: MB/EB/ML
APPROVED: TM
DATE: 02-18-2026



FULTON COUNTY PUBLIC WORKS
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404-612-7400 FAX: 404-224-0498

DRAWING NO.
520