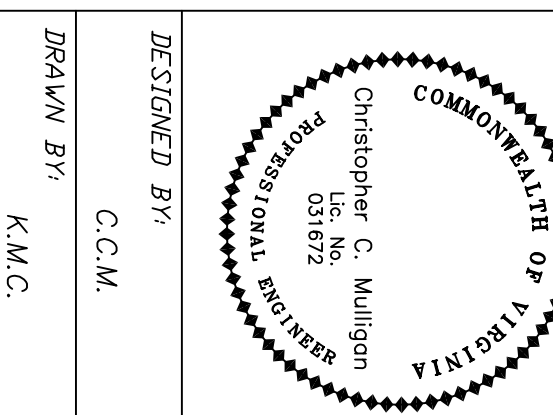
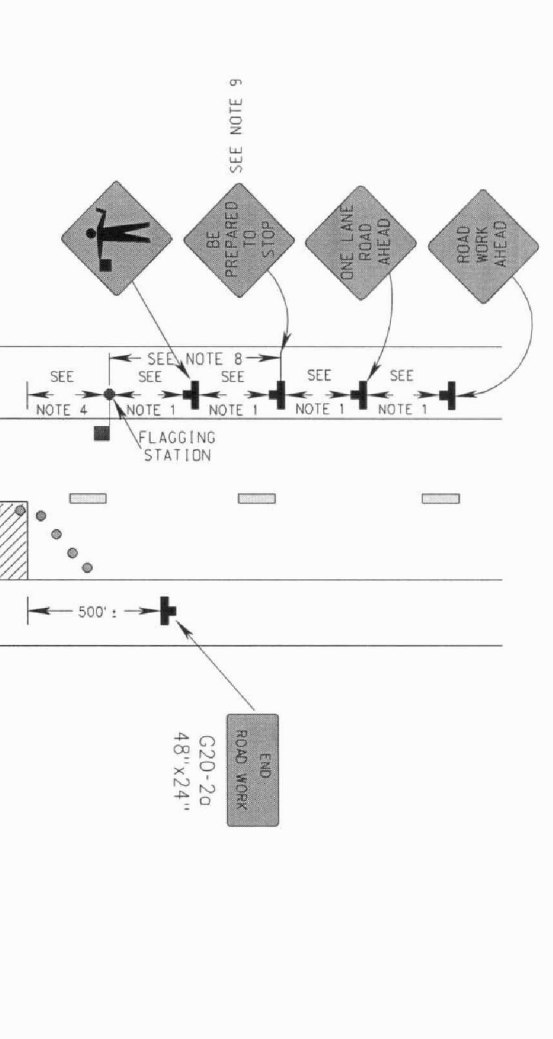
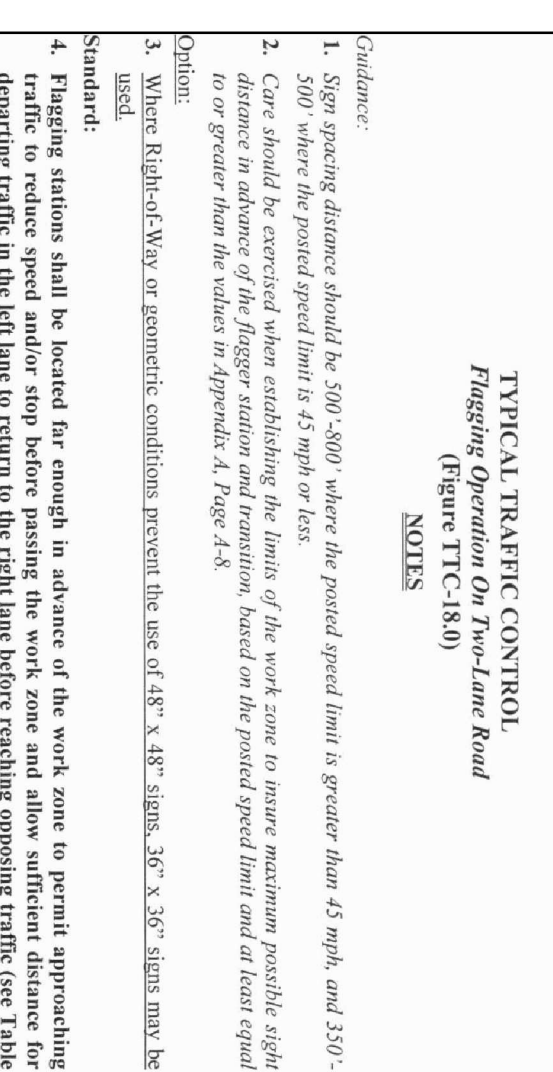
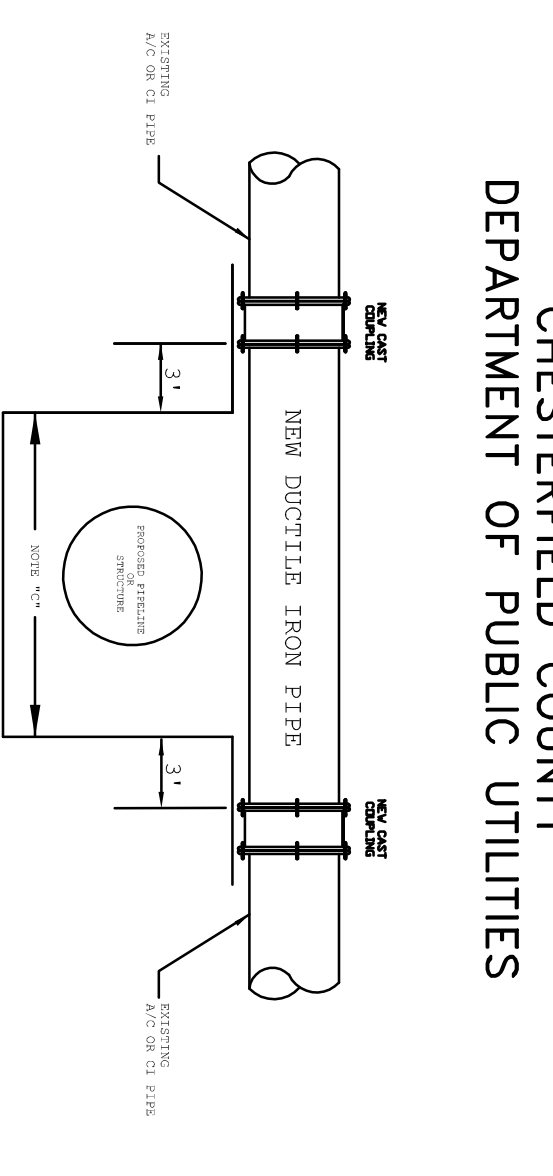


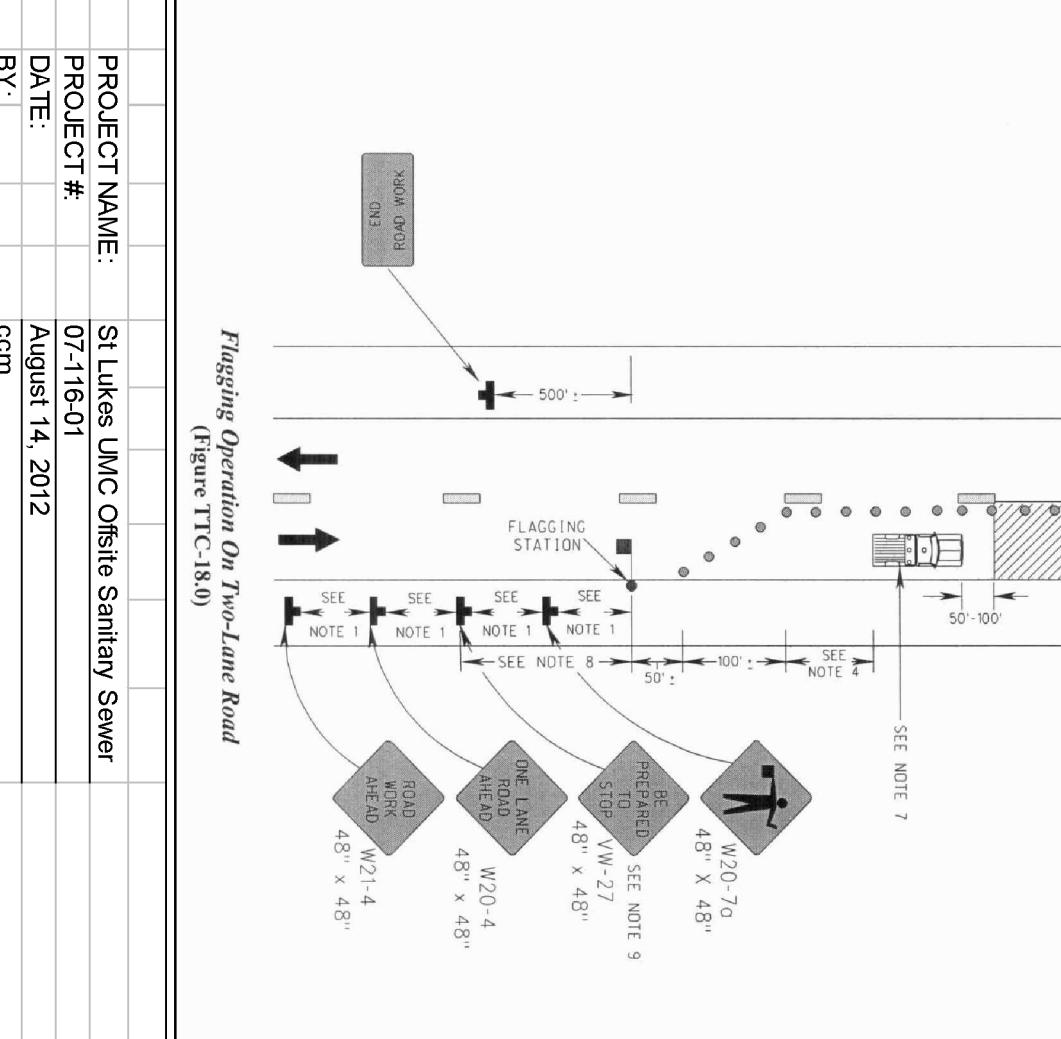
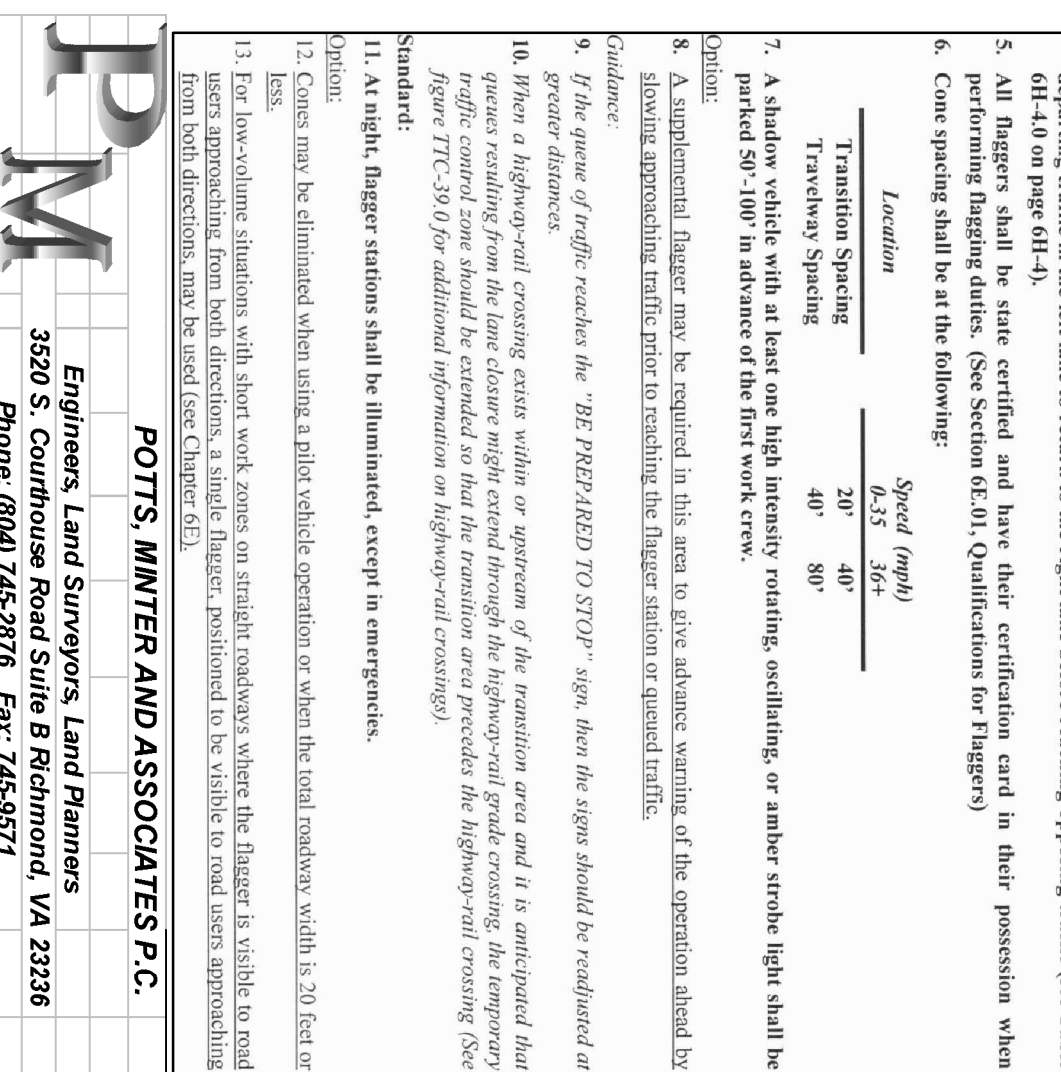
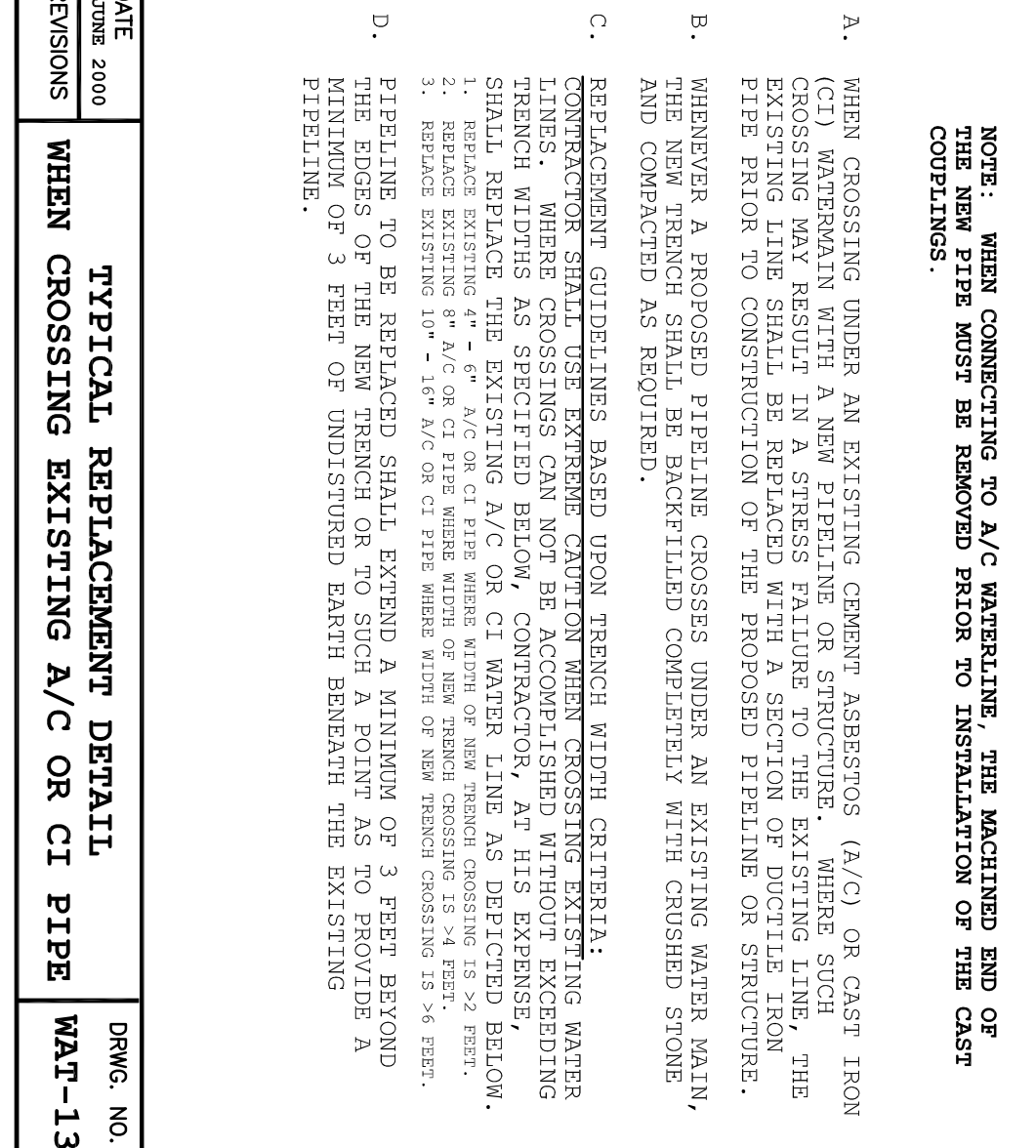
- PRIOR TO BEGINNING CONSTRUCTION, AN ON SITE PRE-CONSTRUCTION MEETING SHALL BE HELD. COUNTY OFFICIALS, THE ENGINEER, CONTRACTOR, AND A CERTIFIED LAND DISTURBER (CLD) MUST ATTEND. APPROPRIATE OFFICIALS MUST RECEIVE 48 HOURS NOTICE PRIOR TO SCHEDULING.
- THE CONTRACTOR IS TO NOTIFY THE COUNTY ENVIRONMENTAL ENGINEER OFFICE 48 HOURS PRIOR TO COMMENCING WITH LAND DISTURBANCE ACTIVITIES.
- AT THE TIME OF THE PRE-CONSTRUCTION MEETING, TWO STANDARD SIGNS MUST BE INSTALLED ON EACH SIDE OF THE CONSTRUCTION ACCESS. THESE SIGNS MAY BE INSTALLED ON TRIPOD DEVICES AND SHOULD STATE EITHER CONSTRUCTION ENTRANCE AHEAD OR TRUCKS ENTERING HIGHWAY.
- A ROOT LAND USE PERMIT IS REQUIRED FOR THIS PROJECT PRIOR TO ISSUANCE OF A LAND DISTURBANCE PERMIT.
- CLEAR EASEMENTS.
- INSTALL SILT FENCE.
- NO SOIL STOCKPILE NECESSARY AS EXCESS DIRT WILL BE USED OR REMOVED.
- ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED AT ANY TIME AT THE REQUEST OF THE CONSTRUCTION INSPECTOR OR CLD.
- PLACE TOPSOIL. SEED ALL EARTH AREAS PROMPTLY.
- ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND VIRGINIA REGULATIONS VR 625-02-200 EROSION AND SEDIMENT CONTROL REGULATIONS.
- ALL DISTURBED AREAS ARE TO BE PLANTED WITH APPROPRIATE SEEDS AND MEASURES AT ALL TIMES DURING LAND DISTURBANCE ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED.
- PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENuded AREAS WITHIN SEVEN DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN DAYS TO DENuded AREAS THAT MAY NOT BE AT 50 DAYS PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN ONE YEAR.
- ALL SPOILS AREAS ARE TO BE RETURNED TO NATURAL GROUND AT THE COMPLETION OF THE PROJECT, FILL IS NOT PERMITTED WITHIN THE FLOODPLAIN, RPA, OR JURISDICTIONAL WETLANDS.
- THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND REPORT TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY.
- THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE ENVIRONMENTAL ENGINEERING DEPARTMENT.
- UPON COMPLETION OF THE PROJECT AND APPROVAL BY THE PROJECT ENGINEER AND LOCAL COUNTY OFFICIALS THE AREA MUST BE RESTORED TO ITS ORIGINAL CONDITION. ALL SILT FENCES ARE TO BE REMOVED FROM THE SITE, UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER OR LOCAL COUNTY OFFICIAL.

- UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND VIRGINIA REGULATIONS VR 625-02-200 EROSION AND SEDIMENT CONTROL REGULATIONS.
- THE PLAN APPROVING AUTHORITY MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE ONE WEEK PRIOR TO THE FINAL INSPECTION.
- ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN CLEARING.
- A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING, BUT NOT LIMITED TO, OFF-SITE BORROW OR WASTE AREAS), THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE OWNER FOR REVIEW AND APPROVAL BY THE PLAN APPROVING AUTHORITY.
- THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE PLAN APPROVING AUTHORITY.
- ALL DISTURBED AREAS ARE TO BE PLANTED WITH APPROPRIATE SEEDS AND MEASURES AT ALL TIMES DURING LAND DISTURBANCE ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED.
- DURING DEMATERING OPERATIONS, WATER WILL BE PLUMBED INTO AN APPROVED FILTERED DRAINAGE.
- THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND REPORT TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY.
- UNDERGROUND UTILITY LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARDS IN ADDITION TO OTHER APPLICABLE CRITERIA:
 - NO MORE THAN 500 LF OF TRENCH MAY BE OPENED AT ONE TIME.
 - EXCAVATED MATERIAL SHALL BE PLACED ON THE UP-HILL SIDE OF TRENCHES.
 - EFLUENT FROM DEMATERING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE, OR BOTTI, AND DISCHARGE IN A MANNER THAT DOES NOT ADVERSELY AFFECT FLOWING STREAMS OR ON-SITE PROPERTY.
 - REPAVING SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE REGULATIONS.
- APPLICABLE SAFETY REGULATIONS SHALL BE COMPLIED WITH.
- RPA RESTORATION PLAN FOR PERMANENT EASEMENTS:
 - PERMANENT EASEMENTS TO BE OPENED 20% BLUESTEM, 20% GERMAN TOP MILLET, 20% BROOM TOP MILLET, 20% GERMAN TOP MILLET, 20% ANNUAL PTE GRASS, 10% POA TRIALS, 5% SWITCH GRASS, 5% RED TOP GRASS AT 50 LBS./ACRE.
 - RPA RESTORATION PLAN FOR SANITARY SEWER LATERALS:
 - ALL SANITARY SEWER LATERAL DISTURBANCE WITHIN THE RPA, BUT OUTSIDE THE PERMANENT EASEMENT, SHALL BE RESTORED WITH SIMILAR VEGETATION. IF SHRUBS & TREES WERE REMOVED, THEN THEY SHALL BE REPLACED AT EQUAL DENSITY WITH THE FOLLOWING:
 - MEDIUM TO LARGE TREES - PERSIMMON, SWETGUM, OR SOUTHERN RED OAK
 - SMALL TREES - FLOWERING DOGWOOD, SILKY DOGWOOD OR SWEET MAONOLIA
 - SHRUBS - RED CHOCCHOERRY, GREYSTEM DOGWOOD OR WITCH HAZEL
 - BEARBERRY OR VIRGINIA BLUEBELLS
 - IF GRASS AREA WAS DISTURBED, THEN IT SHALL BE REPLACED WITH A SEED MIXTURE OF 26% BIG BLUESTEM, 40% INDIAN WOODCOATS, 6% SWITCH GRASS, 14% LITTLE BLUESTEM, & 14% IDIAN GRASS AT 40 LBS./ACRE.

- WHEN CROSSING UNDER AN EXISTING CONDUIT, A (4.0) OR CAST IRON (C.I.) WATERPIPER WITH A NEW PIPELINE OR STRUCTURE, WHERE SUCH CROSSING MAY RESULT IN A STRESS FAILURE TO THE EXISTING LINE, THE EXISTING LINE SHALL BE REPLACED WITH A SECTION OF DUCTILE IRON PIPE PRIOR TO CONSTRUCTION OF THE PROPOSED PIPELINE OR STRUCTURE.
- WHENEVER A PROPOSED PIPELINE CROSSES UNDER AN EXISTING WATER MAIN, THE NEW TRENCH SHALL BE BACKFILLED COMPLETELY WITH CRUSHED STONE AND COMPACTED AS REQUIRED.
- REPAVING OPERATIONS BASED UPON TRENCH WIDTH CRITERIA:
 - WHERE TRENCH WIDTH IS LESS THAN 24 INCHES, THE EXISTING PAVEMENT SHALL BE REPAVED WITHIN 24 HOURS OF THE COMPLETION OF THE TRENCH.
 - WHERE TRENCH WIDTH IS GREATER THAN 24 INCHES, THE EXISTING PAVEMENT SHALL BE REPAVED WITHIN 72 HOURS OF THE COMPLETION OF THE TRENCH.
 - WHERE TRENCH WIDTH IS GREATER THAN 72 INCHES, THE EXISTING PAVEMENT SHALL BE REPAVED WITHIN 144 HOURS OF THE COMPLETION OF THE TRENCH.



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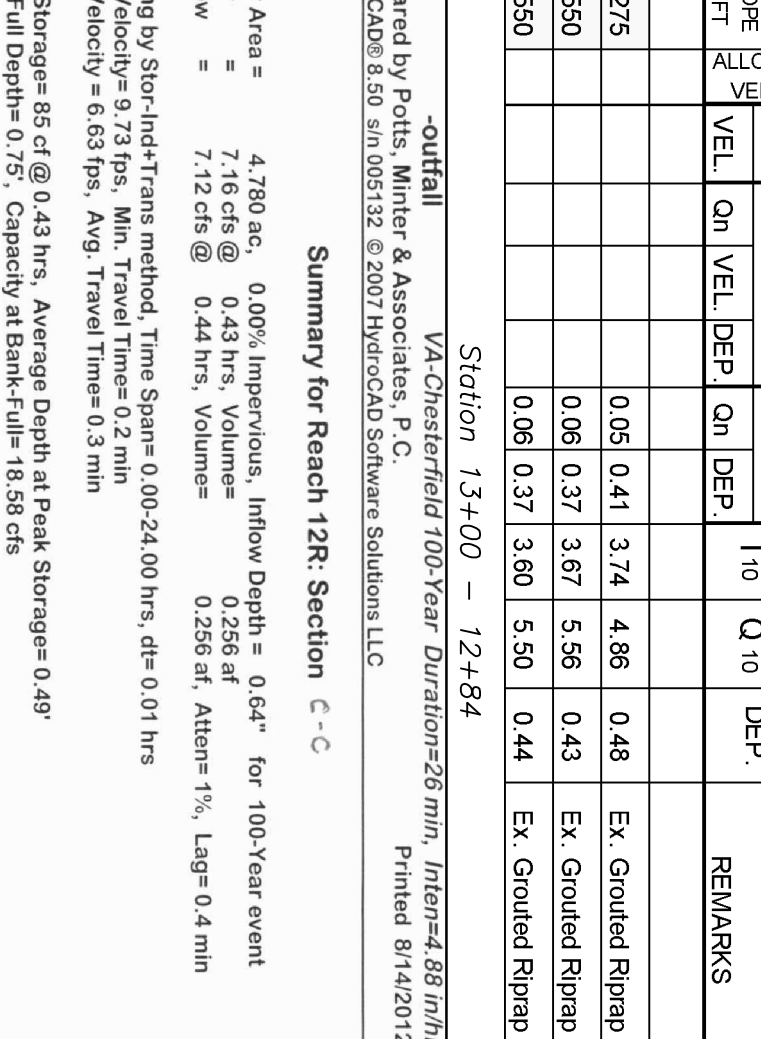
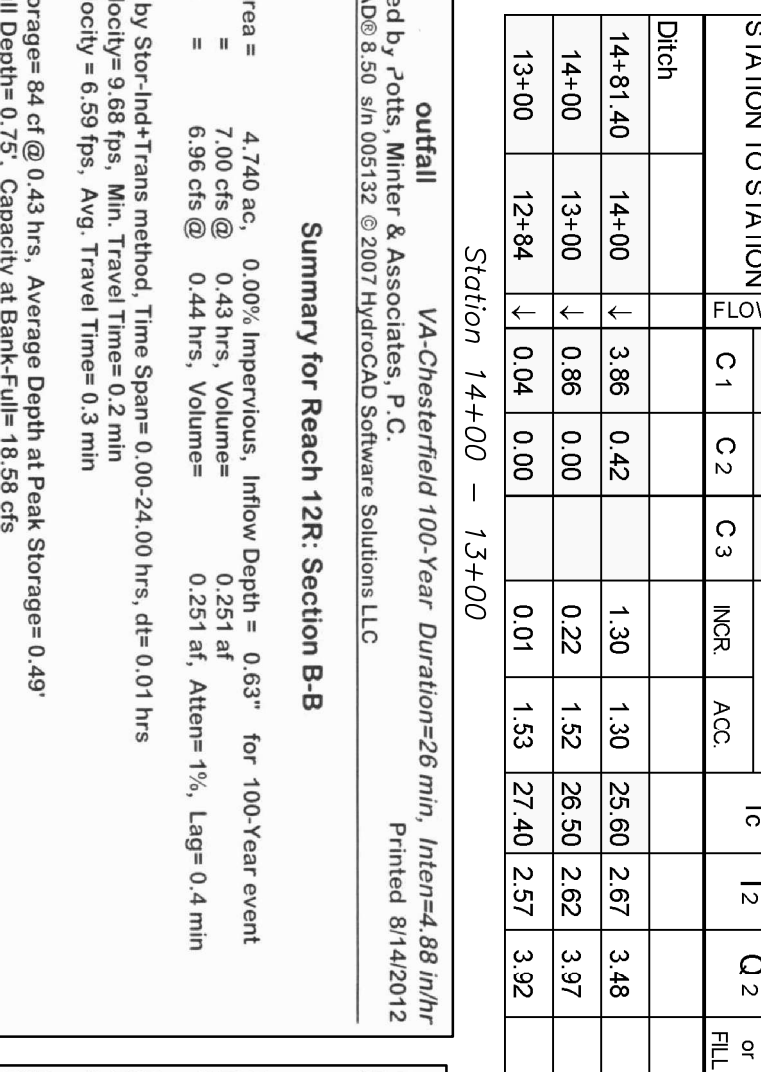
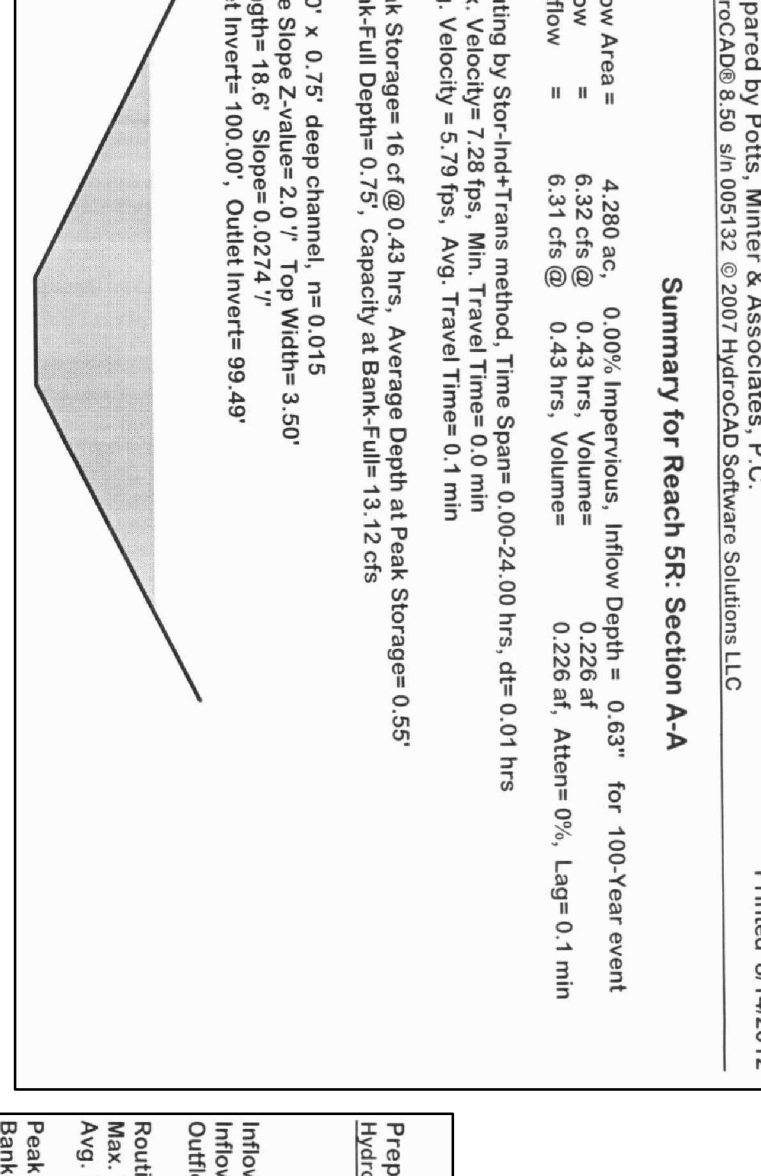
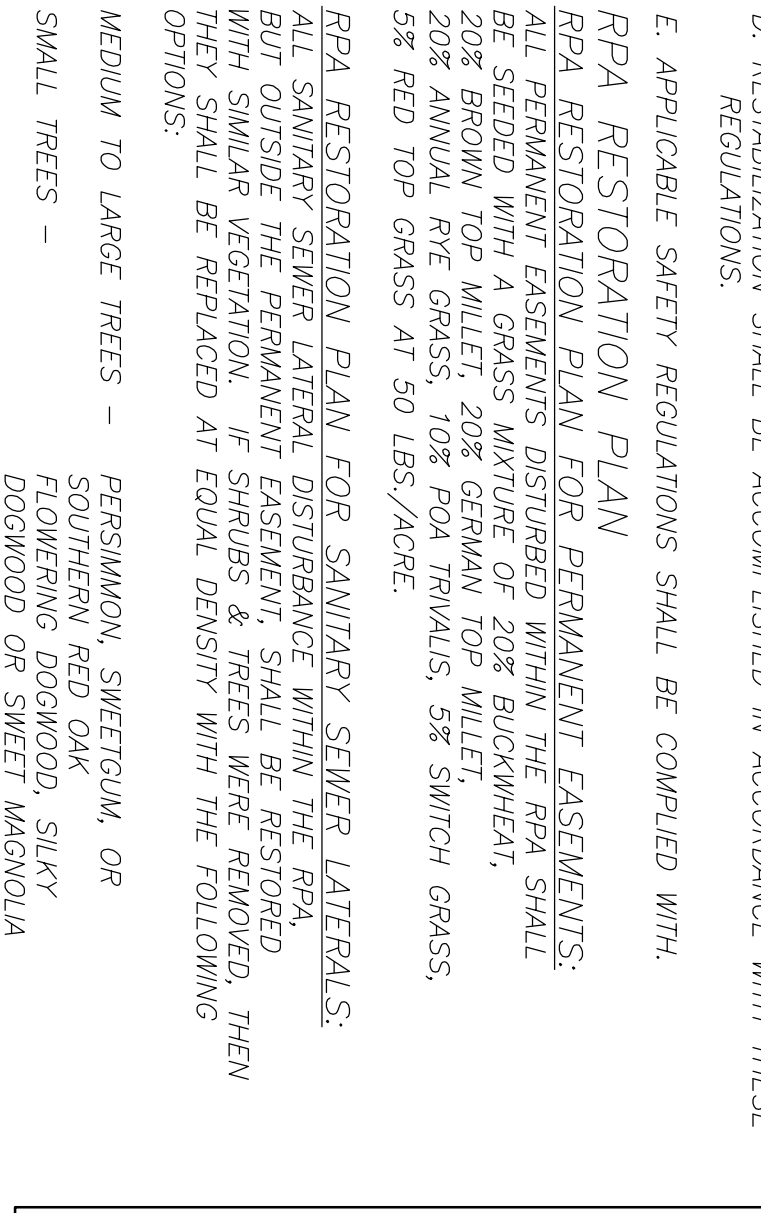
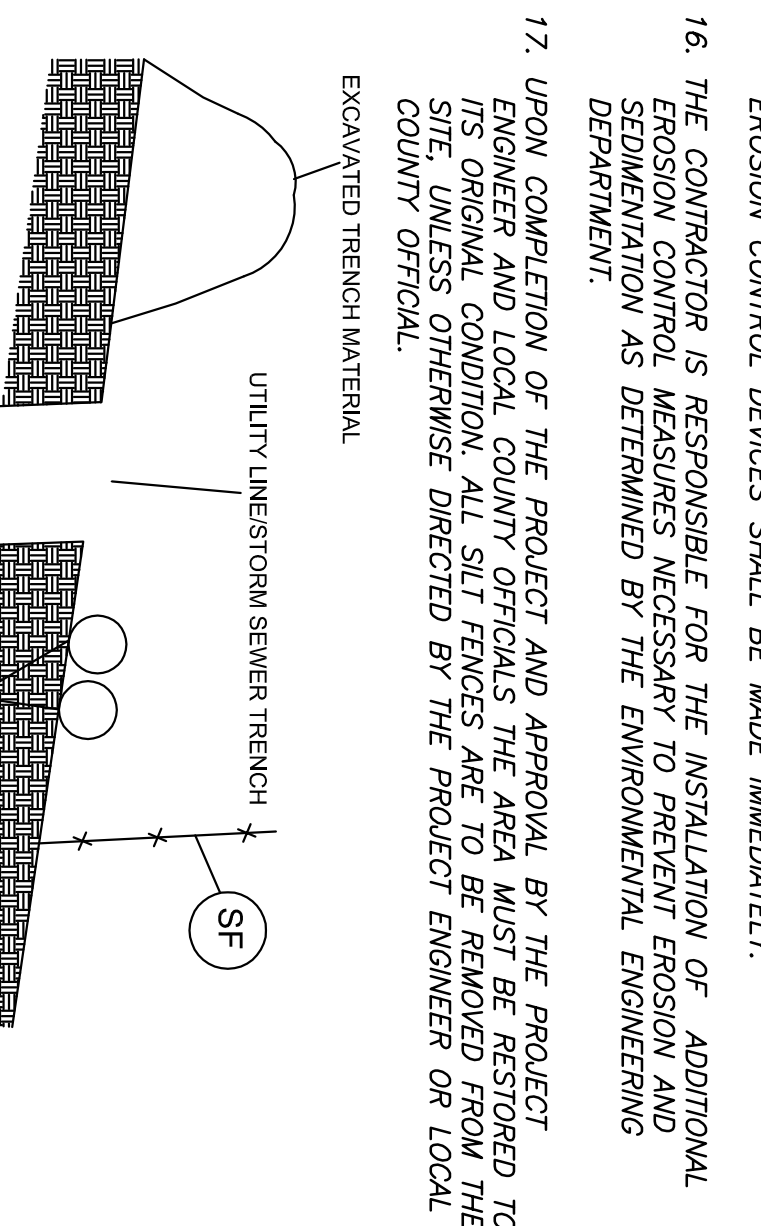
STONE CONSTRUCTION ENTRANCE

CONSTRUCTION OF A SILT FENCE (WITH WIRE SUPPORT)

CHESTERFIELD COUNTY DEPARTMENT OF PUBLIC UTILITIES VDOT APPROVED VDOT VOTING

CHESTERFIELD COUNTY DEPARTMENT OF PUBLIC UTILITIES VDOT APPROVED VDOT VOTING

STANDARD PAVED DITCHES



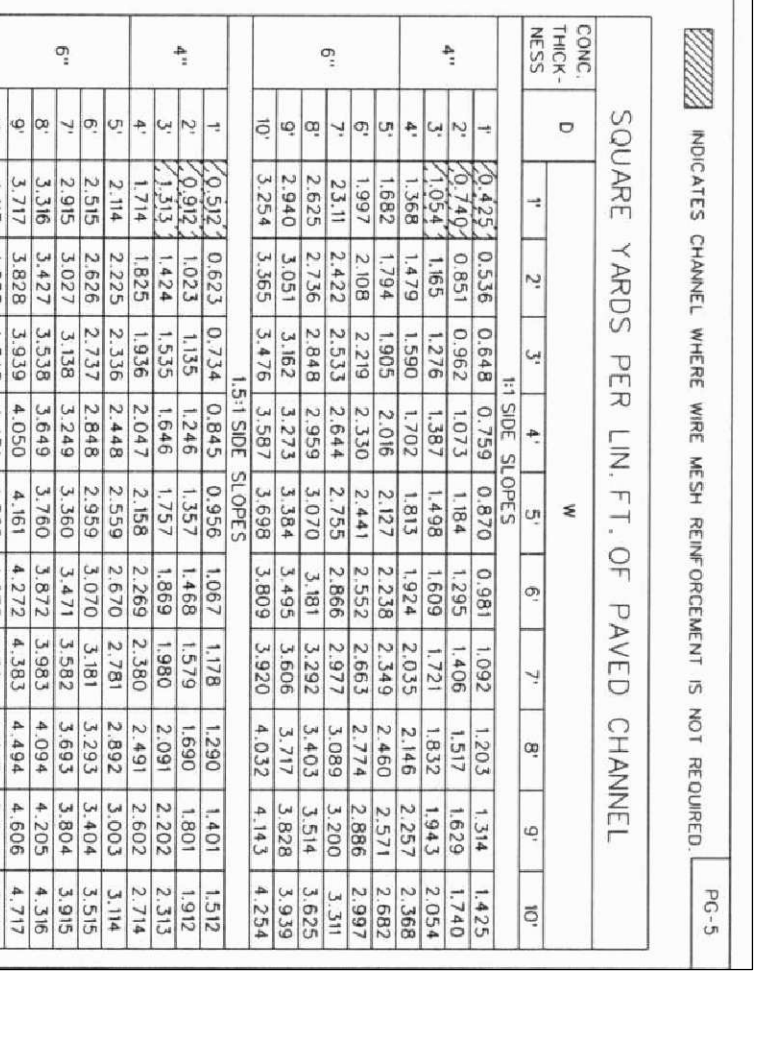
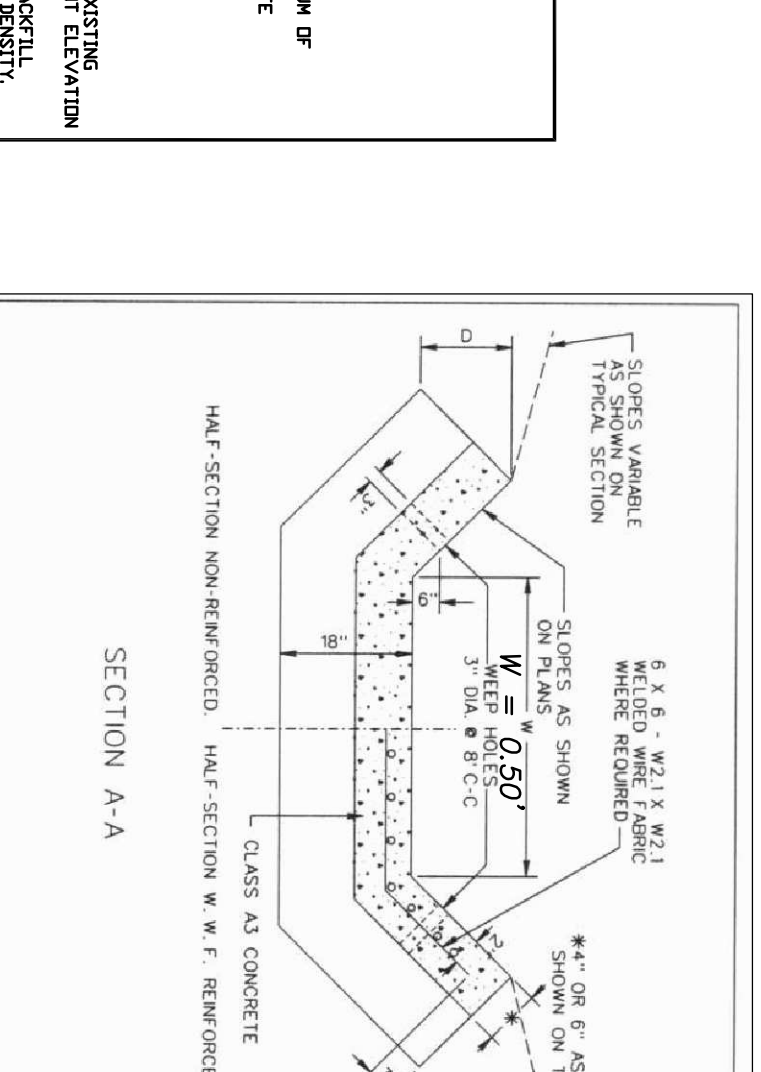
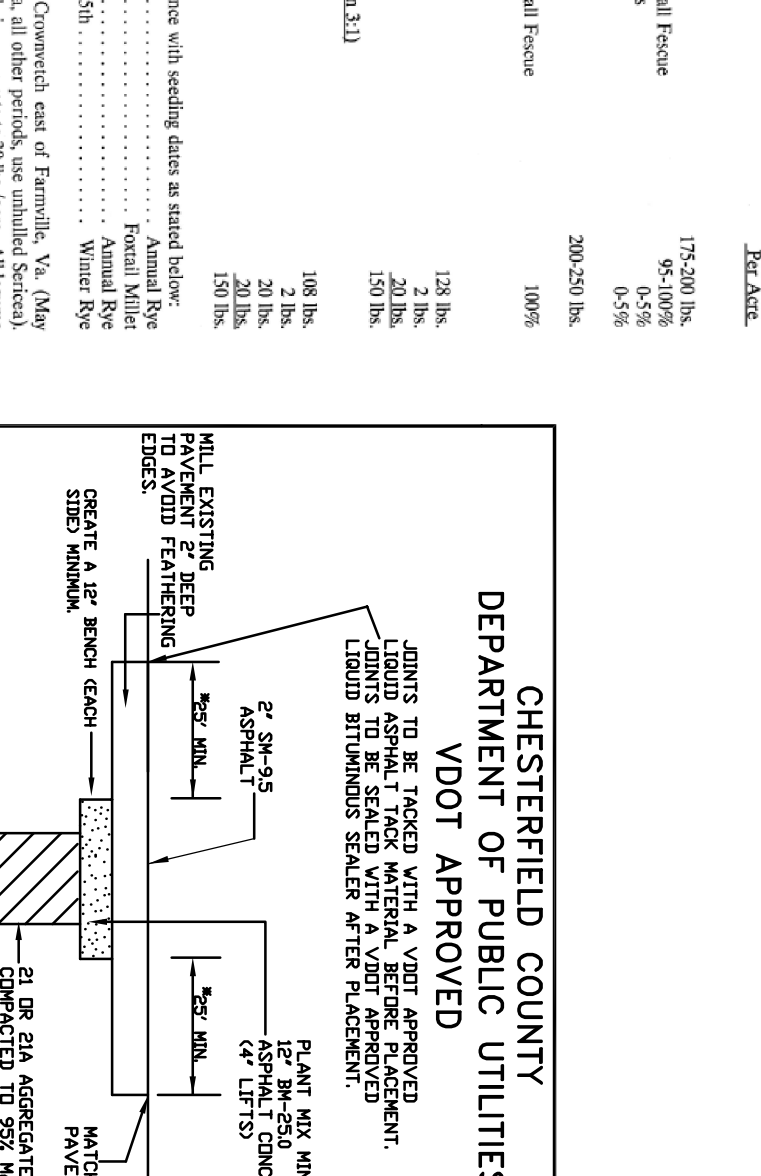
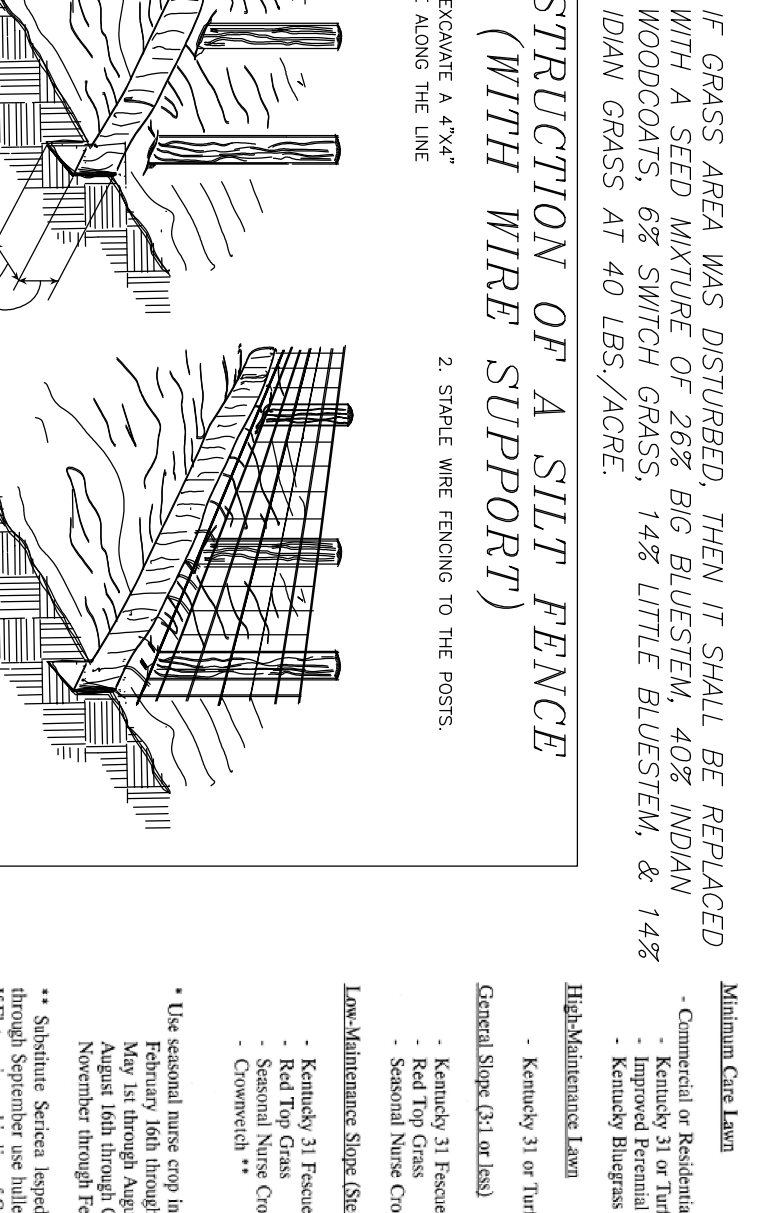
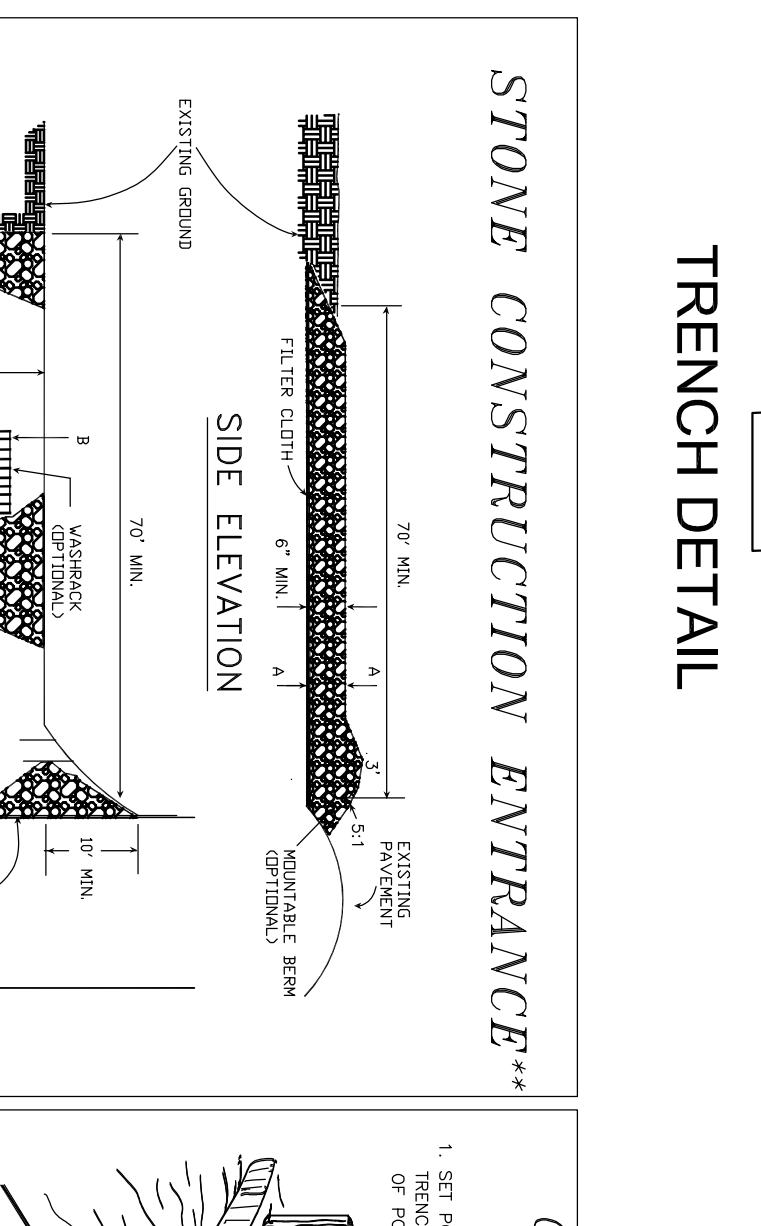
TRENCH DETAIL

CONSTRUCTION OF A SILT FENCE (WITH WIRE SUPPORT)

CHESTERFIELD COUNTY DEPARTMENT OF PUBLIC UTILITIES VDOT APPROVED VDOT VOTING

CHESTERFIELD COUNTY DEPARTMENT OF PUBLIC UTILITIES VDOT APPROVED VDOT VOTING

STANDARD PAVED DITCHES



STONE CONSTRUCTION ENTRANCE

CONSTRUCTION OF A SILT FENCE (WITH WIRE SUPPORT)

CHESTERFIELD COUNTY DEPARTMENT OF PUBLIC UTILITIES VDOT APPROVED VDOT VOTING

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STANDARD PAVED DITCHES

