THE HOST CURRENT EDITION OF THE ROAD AND BRIDGE SPECIFICATIONS OF THE VIRGINIA DEPARTMENT OF HIGHWAYS AND TRANSPORATION SHALL GOVERN THE FOLLOWING: A. POURING, CURING, FORMS, WORKHANSHIP, ETC OF ALL CONCRETE USED ON THIS PROJECT. STABILIZED BASE COARSE MATERIAL AND SURFACE TREATMENT OR BITUMINOUS SURFACE. MATERIALS AND INSTALLING OF ALL PIPE CULVERTS. ALL CURB AND GUTTER FILLETS AT INTERSECTIONS ARE TO HAVE 20' RADII UNLESS OTHERWISE NOTED. ALL EARTH DITCH FILLETS AT INTERSECTIONS ARE TO HAVE 35' RADII BACKFILL FOR ALL UTILITIES WITHIN PROPOSED SUBDIVISION STREETS SHALL BE PLACED GENERALLY IN ACCORDANCE WITH PRINCE GEORGE COUNTY UTILITY SPECIFICATIONS AND THE FOLLOWING CRITERIA. A. NO TRENCH SHALL BE BACKFILLED UNTIL AUTHORIZED BY THE COUNTY ENGINEER. HATERIALS USED FOR BACKFILL FROM THE BOTTOM OF THE TRENCH TO TWELVE (12") INCHES ABOVE THE PIPE SHALL BE SELECT MATERIAL FREE FROM FROST, LARGE CLODS, COMPACTED TO INSURE A SOUND BACKFILL AROUND AND OVER THE BACKFILL SHALL BE COMPACTED BY MECHANICAL TAMPING THROUGHOUT THE DEPTH OF THE TRENCH TO OBTAIN 95% DENSITY AT OPTIMUM MOISTURE ±20%. THIS IS TO INSURE A SUITABLE IF. IN THE OPINION OF THE COUNTY ENGINEER, THE MATERIAL TAKEN FROM THE DITCH IS NOT SUITABLE FOR BACKFILLING, IT SHALL BE REMOVED AND ACCEPTABLE MATERIAL USED FOR 4. ALL UTILITIES TO BE IN PLACE BEFORE LAYING BASE MATERIAL THE LOCATION OF ALL DRAINAGE STRUCTURES ON THESE PLANS IS APPROXIMATE. FINAL FIELD LOCATION MAY BE MADE BY THE ENGINEER ALL DRAINAGE EASEMENTS TO BE CLEARED, GRUBBED AND GRADED TO CONTAIN WATER FROM PIPE CULVERTS. LENGTH OF ALL PIPE CULVERTS SHOWN ON THESE PLANS IS APPROXIMATE SPECIFICATIONS OF THE VIRGINIA DEPARTMENT OF HIGHWAYS AND OF THESE PLANS WILL EXPIRE THREE (3) YEARS FROM THE DATE OF PAVED IN ACCORDANCE WITH STANDARD PG-2A-1 (MODIFIED TO FIT TYPICAL SECTION) WITH MINIMUM DEPTH TO CONTAIN TEN YEAR STORM. UNLESS OTHERWISE DIRECTED BY THE ENGINEER IN WRITING. VIRGINIA DEPARTMENT OF HIGHWAYS AND TRANSPORTATION APPROVAL OF SUBDIVISION ROAD PLANS DOES NOT PRECLUDE THE RIGHT TO ADD BASINS, ETC. AS MAY BE DEEMED NECESSARY BY THE DEPARTMENT PRIOR TO THE ACCEPTANCE OF SUCH ROADS IN ORDER TO LIMIT SILTATION AND POLLUTION OF NEARBY LAKES, PONDS, STREAMS, AND ADJACENT PROPERTIES. . ALL DRATNAGE EASEMENTS ARE TO EXTEND TO A NATURAL WATER COURSE. 4. SLOPE EASEMENTS FOR FILL SLOPES ARE REQUIRED WHERE SLOPES EXCEED PROPOSED RIGHT OF WAY LIMITS. A PERMIT TO TIE INTO EXISTING ROADS SHALL BE OBTAINED FROM THE RESIDENT ENGINEER PRIOR TO ROAD CONSTRUCTION. THE CONTRACTOR WILL SEED ALL SLOPES AND EASEMENTS WITH AT LEAST A TEMPORARY SEEDING WITHIN FIFTEEN (15) DAYS AFTER COMPLETION OF STREET GRADING OR STORM SEWER PLACEMENT TO ELIMINATE UNNECESSARY EROSION. NO DISTURBED AREA WILL BE ALLOWED AT THE TIME OF ACCEPTANCE OF THE ROAD INTO THE STATE SYSTEM. ENGINEER PRIOR TO THE PLACEMENT OF THE SURFACE COURSE. IN UNSUITABLE MATERIAL FOR THE SUBGRADE IS ENCOUNTERED, THE ROAD ENGINEER MUST BE NOTIFIED PRIOR TO PLACEMENT OF THE BASE THE ROAD ENGINEER HUST BE NOTIFIED PRIOR TO THE SURFACE TREATMENT BEING APPLIED. 20. THE LOCATION OF EXISTING UTILITIES, STORM SEWERS, SANITARY SEWERS, GAS LINES, WATER LINES, ELECTRICAL LINES AND TELEPHONE LINES EITHER UNDERGROUND AND/OR OVERHEAD ACROSS OR ALONG THE LINE OF PROPOSED WORK ARE NOT NECESSARILY SHOWN ON THE PLANS AND WHERE AT NO EXTRA COST, LOCATE ALL UNDERGROUND LINES AND STRUCTURES AS NECESSARY. NO CLAIMS FOR DAMAGES OR EXTRA COMPENSATION SHALL ACCURE TO THE CONTRACTOR FROM THE PRESENCE OF SUCH PIPES OR OTHER OBSTRUCTIONS OR FROM ANY DELAY DUE TO THE REMOVAL OF OR REARRANGEMENT OF SAME. 1. ALL CUT AND FILL SLOPES AND CHANNELSIDE SLOPES WHICH ARE NOT PAVED SHALL BE SEEDED UNTIL A GOOD STAND OF GRASS IS OBTAINED IN ACCORDANCE WITH THE VIRGINIA EROSION & SEDIMENT CONTROL HANDDBOOK AND THE FOLLOWING TABLE: A. 100 LB. PER 1000 SQ. FT. GROUND LIMESTONE OR EQUIVALENT. NO SOIL TEST REQUIRED FOR INITIAL ESTABLISHMENT. 25 LB. OF 5-20-10 FERTILIZER OR EQUIVALENT PER 1000 SQ. FT. VARIETIES TO BE SEEDED: SPRING SEEDING - MARCH 1 THRU MAY 1; MIXTURE #5 AT 1 LB. PER 1000 SQ. FT. SUMMER SEEDING - MAY 1 THRU AUGUST 1; MIXTURE #4 1-1/2 LBS. PER 1000 SQ. FT. AUTUMN SEEDING - AUGUST 1 THRU OCTOBER 1; MIXTURE #5 AT 1 LB. PER 1000 SQ. FT. HULCH 80 LB. STRAW PER 1000 SQ. FT. OR ASPHALT MULCH 10 GAL. PER 1000 SQ. FT. 30. ALL MANHOLES IN UTILITY EASEMENTS ARE TO HAVE THE CONCRETE 5. ALL SEEDING MUST BE MULCHED. ADVANCE OF THE WORK TO BE STARTED SO AN AUTHORIZED REPRESENTATIVE HAY BE ASSIGNED TO MAKE ANY AND ALL NECESSARY INSPECTIONS OF THE WORK PERFORMED. CONTRACTOR SHALL CALL FOR COUNTY INSPECTION OF ALL PIPE LINE ALL MATERIALS FOR THE SEWER SYSTEM SHOWN SHALL BE SUPPLIED AND INSTALLAION PRIOR TO PLACING BACKFILL. WHEN ALL IMPROVEMENTS ARE COMPLETED, ALL DRAINAGE AND SANITARY SEWER LINES ARE FLUSHED AND CLEANED OF FOREIGN MATTER AND ALL CURBS, GUTTERS AND STREETS ARE CLEANED AND FREE OF DIRT AND DEBRIS, THE DEVELOPER SHALL NOTIFY THE APPROPRIATE LOCAL OFFICIAL TO MAKE FINAL INSPECTION, A REPRESENTATIVE OF THE DEVELOPER SHALL BE PRESENT AT THE FINAL INSPECTION. THE CONTRACTOR SHALL NOTIFY THE LOCAL INSPECTOR AT LEAST 24 HOURS BEFORE PLACING BASE STONE SO THE SUBGRADE MAY BE INSPECTED AND 24 HOURS BEFORE PLACING SURFACE COURSE SO THE LOCAL INSPECTOR WILL BE ON SITE. WHERE DITCHES ARE DEEPENED TO ACCOMODATE CULVERTS. THE SLOPE FROM THE SHOULDER TO THE DITCH SHALL BE MAINTAINED THEREBY MOVING THE DITCH PROFILE FURTHER FROM THE CENTERLINE. 27. CONTRACTOR SHALL NOTIFY "MISS UTILITY" (1-800-552-7001) BEFORE BEGINNING ANY EXCAVATION. 28. ALL CONCENTRATED DRAINAGE BEING CONVEYED FROM ROADSIDE DITCHES IN CUT SECTIONS INTO FILL SECTIONS SHOULD BE CONFINED ALONG SUCH AREAS BY TOE DITCHES WHERE ADJACENT PROPERTY SLOPES AWAY FROM ROADWAY, TO PREVENT CONCENTRATED DRAINAGE FROM BEING TURNED ONTO ADJACENT LOTS. 29. EXCESS EXCAVATION TO BE DISPOSED OF AS DIRECTED BY THE ENGINEER.

ROCK CHECK DAM

2-10 ACRES OF DRAINAGE AREA:

STONE CONSTRUCTION ENTRANCE

SIDE ELEVATION

PLAN VIEW

SECTION EXTENDED ONE FOOT ABOVE THE GROUND.

FOR PRINCE GEORGE COUNTY.

USE OF HEIGHT ADJUSTMENT RINGS WILL NOT BE ALLOWED EXCEPT UNDER

A SMOOTH TRANSITION OR DROP MANHOLE MUST BE PROVIDED FOR EACH

INSTALLED IN ACCORDANCE WITH THE LATEST APPLICABLE SPECIFICATIONS

SPECIAL BEDDING AND BACKFILL

DETAIL FOR PLASTIC SEWER PIPE __Top of Ground

Compaction per

* ADDITIONAL STONE BACKFILL

LATERAL OR SANITARY SEWER ENTERING A SANITARY SEWER MANHOLE..

PAVED SURFACES WHERE A MAXIMUM OF ONE RING IS PERMITTED.

Thoroughly compacted 1:

fill area to be free

of clods, debrio, etc.

DHITZEKS THEHEVAN

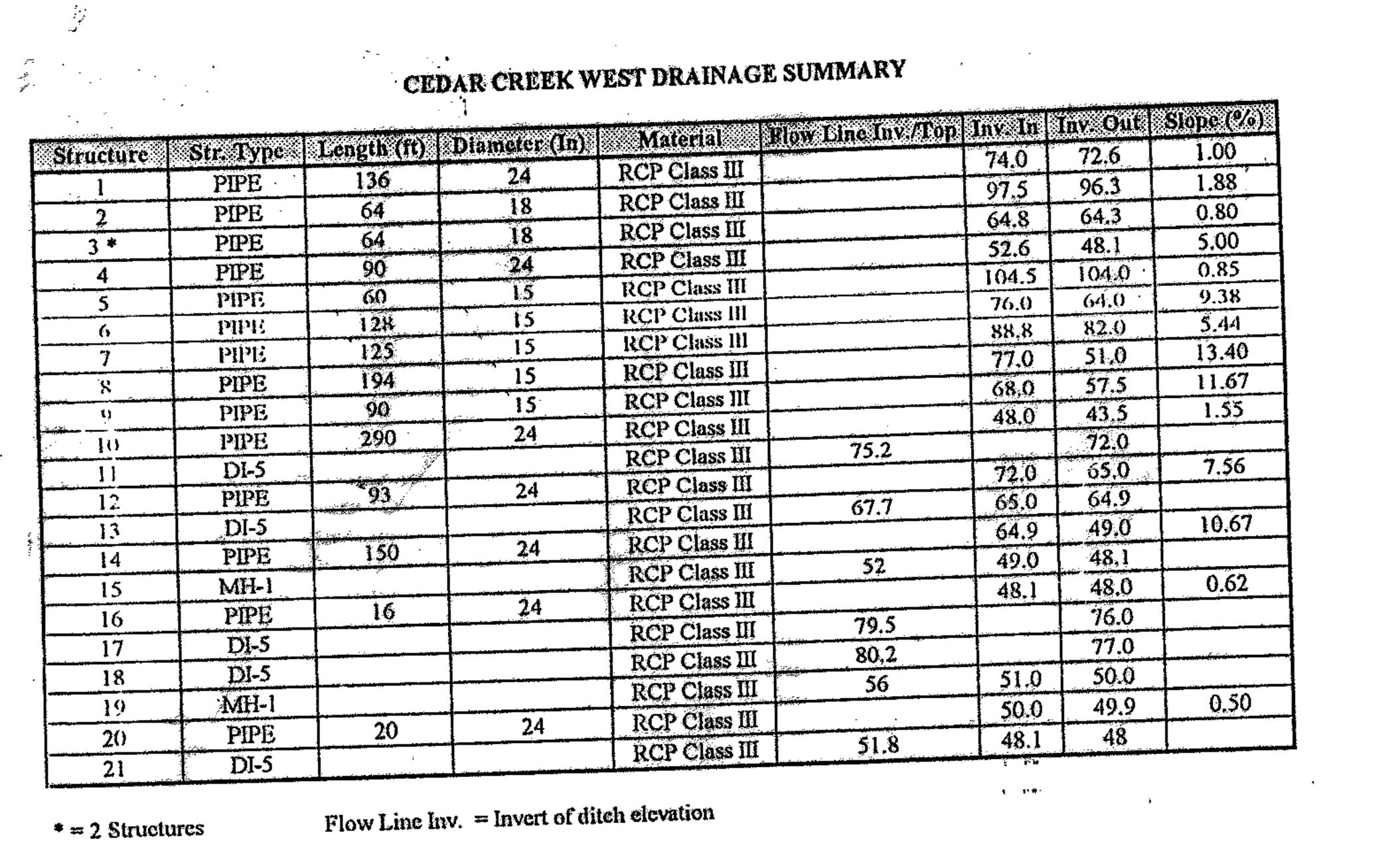
76' NIN.

MUST EXTEND FULL WIDTH OF INGRESS AND EGRESS OPERATION

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OWNER & DEVELOPER

P.O. BOX 1402 , VIRGINIA 23860 PH. (804) 733-4656



CONFORMING TO AASHTO M304 OR POLYETHYLENE RIBBED PIPE SMOOTH INTERIOR, CONFORMING TO AMENTO M294 FOR ALL STORM SEWER PIPE SYSTEMS. BEDDING SHALL IN ACCORDANCE WITH PB-1 PLASTIC CULVERT PIPE BEDDING STANDARD.

EROSION CONTROL NARRATIVE

THE JAMES RIVER SOIL AND WATER CONSERVATION DISTRICT (748-2235 OR 733-2788) FOR A PRE-CONSTRUCTION MEETING AND ON-SITE VISIT ONE WEEK PRIOR TO BEGINNING CONSTRUCTION. CLEAR AND GRUB ALL RIGHTS OF WAYS AND EASEMENTS OF CEDAR CREEK WEST ONLY AS DIRECTED BY DESIGN ENGINEER TEMPORARY *SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN DAYS TO DENUDED AREAS THAT WILL REMAIN DORMANT (UNDISTURBED) FOR LONGER THAN THIRTY DAYS. *PERMANENT STABILIZATION SHALL BI

INSTALL CONSTRUCTION ENTRANCE PAD, CE 3.02. INSTALL SILT FENCE AND STONE CHECK DAMS IN LOCATIONS SHOWN. BRING ROAD TO SUBGRADE. PERMANENT *SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF

APPLIED TO AREAS THAT ARE LEFT DORMANT FOR MORE THAN ONE YEAR

INSTALL STORM SEWER AND CULVERTS. INSTALL INLET PROTECTION. INSTALL SANITARY SEWER. INSTALL WATERLINES. INSTALL ALL DITCH IMPROVEMENTS IN CÉDAR CREEK WEST

INSTALL STONE BASE. INSTALL SURFACE TREATMENT. STABILIZE SITE.

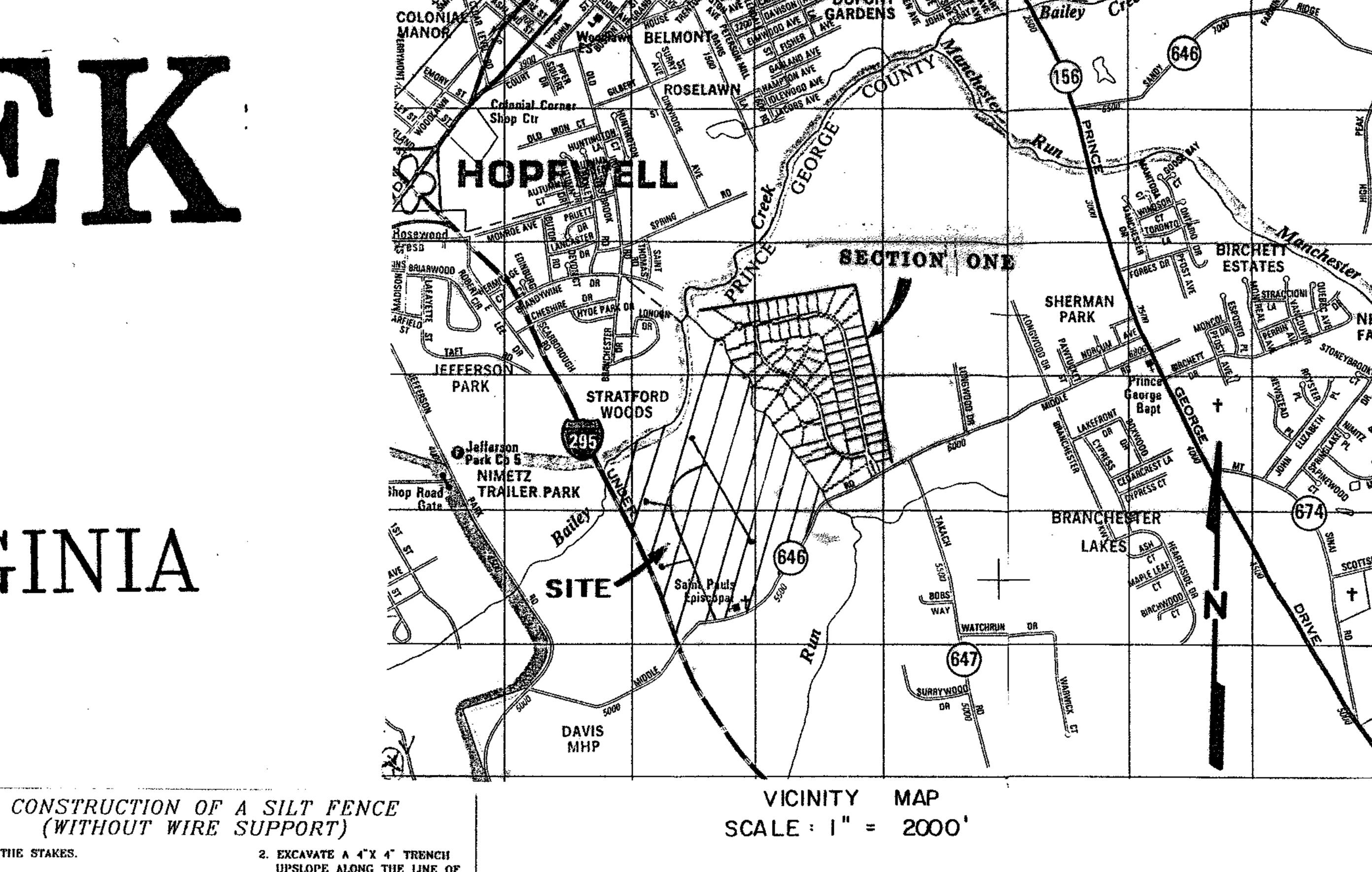
OUTFALLS OF ANY SILT AND REMOVE SILT FROM SITE. REMOVE SILT TRAPS AND CHECK DAMS AND REDIRECT DISCHARGE FROM ROADWAYS INTO PRECONSTRUCTION OUTFALL DITCHES. REMOVE SILT FENCE AS UPSTREAM STABILIZES WITH AN ADEOUATE PERMANENT GROUND COVER.

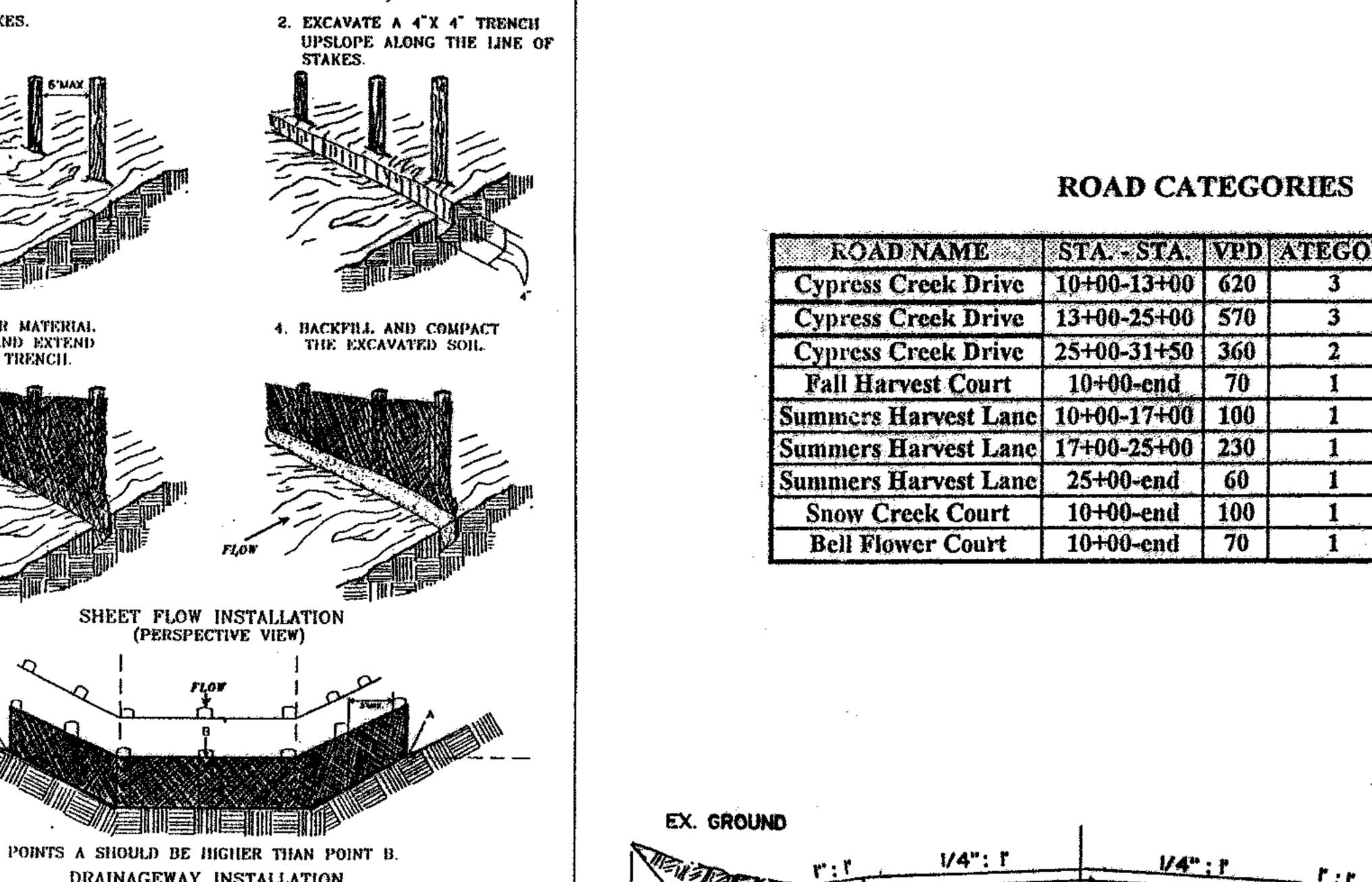
UPON SITE STABILIZATION. CLEAN STORM SEWER SYSTEM AND PAVED

* DENOTES HYDROSEED

SOIL EROSION AND SEDIMENT CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE CURRENT <u>VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK</u>. THE COUNTY OF PRINCE GEORGE ENGINEERING DEPARTMENT AND OTHER INTERESTED COUNTY AGENCIES SHALL MAKE A CONTINUING REVIEW AND EVALUATION OF THE METHOD USED AND THE OVERALL EFFECTIVENESS OF THE EROSION CONTROL PROGRAM. AN APPROVED EROSION AND SEDIMENT CONTROL PLAN MAY BE AMENDED BY THE PLAN APPROVING AUTHORITY IF ON-SITE INSPECTION INDICATES THAT THE APPROVED CONTROL MEASURES ARE NOT EFFECTIVE IN CONTROLLING EROSION AND SEDIMENTATION OR IF BECAUSE OF

ALL EROSION CONTROL DEVICES SHALL BE INSPECTED DAILY BY THE SITE IMMEDIATELY REPAIRED OR REPLACED.





218 AGG. BASE 4' 4' AS SHOWN AS SHOWN EX. GROUN CUT SECTION FILL SECTION TYPICAL ROAD SECTION 50'R/W . NOT TO SCALE

Note: All sanitary sewer to be installed satisfying Prince George County Sewer Specifications.

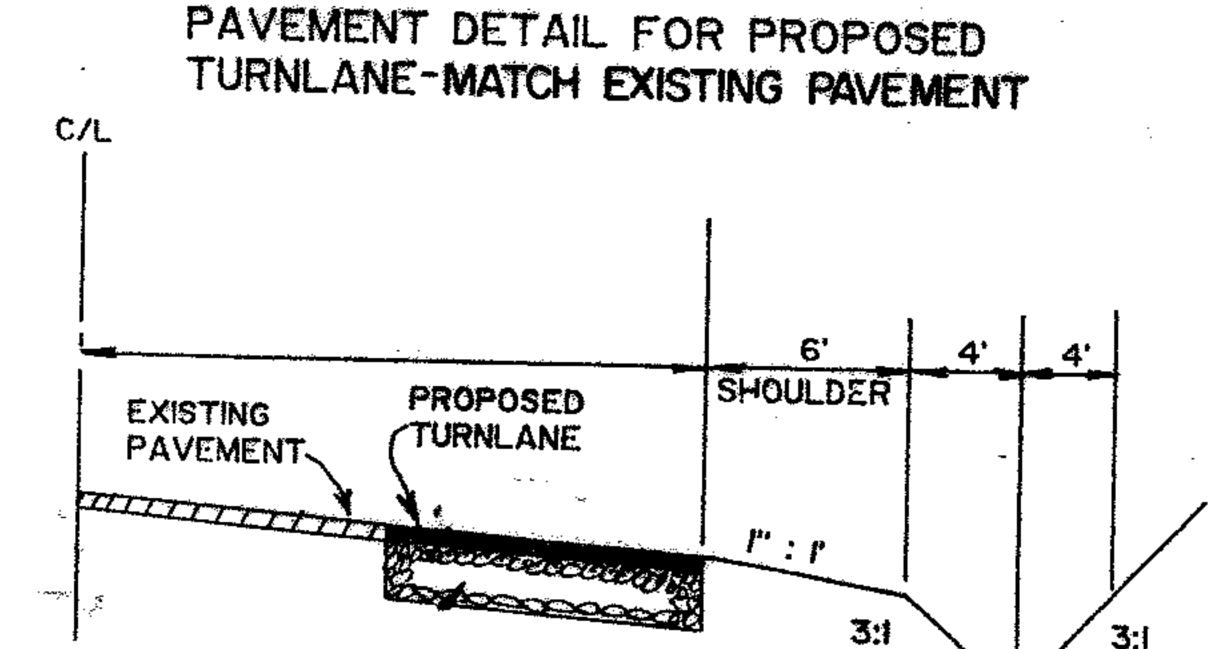
Plate 3.05-2

Owner of Waterline: Virginia Amercian Water Co. P.O. Box 25405 Alexandria, Virginia 22313

Source: Adapted from Installation of Straw and Fabric Filter

Owner of Sewer: County of Prince George Prince George, Virginia 23875

Receiving WWTP: Department of Development 300 N. Main Street



BENCH MARK & REFERENCE NO.

VOOT STANDARD STOP SIGN

6" 21-B | 2" SM-

6" 21-B 2" SM-2

6" 21-B 2" SM-2A

ROAD AND DRAINAGE EROSION CONTROL EROSION CONTROL DEVICE WITH SPEC. NUMBER AS PER VIRGINIA EROSION & SEDIMENT CONTROL HANDBOOK SPECIFICATION NUMBER. IROE _____ _____ _ EXISTING CULVERT OR STORM SEWER PIPE X SILT FENCE DROP INLET & STRUCTURE NO. CONSTRUCTION ENTRANCE EXISTING MANHOLE PAVED DITCH _____JUTE MESH OR SODDED DITCH EARTH DITCH - GRASS LINED ---- 100----- EXISTING CONTOUR

--- SS - --- EXISTING SANITARY SEWER SANITARY SEWER SERVICE CONNECTIONS

REVISIONS

JUNE 17, 1997 SCALE

DRAWN BY CHECKED BY

Hopewell Regional Treatment Facility Hopewell, Virginia 23860 PRIME 8 DOUBLE SEAL MAY BE SUBSTITUTED FOR THE 2"SM-2A SURFACE TREATMENT. PROPOSED SPOT ELEVATIONS

CHANGED CIRCUMSTANCES, THE APPROVED PLAN CAN NOT BE CARRIED OUT.

FOREMAN. ANY STRUCTURES THAT ARE DAMAGED OR INOPERATIVE WILL BE