

LANGLEY & McDONALD GENERAL NOTES

1. THIS PLAN DOES NOT GUARANTEE THE EXISTENCE OR NON-EXISTENCE OF ANY UTILITIES OF THE DEPTH OR UTILITIES EXCEPT AT POINTS OF SPECIFIED INVERTS OR TOPS OF PIPES EXCAVATED AND MEASURED IN THE FIELD. PRIOR TO ANY CONSTRUCTION OR EXCAVATION FOR CONSTRUCTION, THE CONTRACTOR SHALL ASSUME THE RESPONSIBILITY OF LOCATING AND VERIFYING ALL UTILITIES, ABOVE OR BELOW GROUND, PUBLIC AND/OR PRIVATE THAT MAY EXIST AND CROSS THROUGH THE AREAS OF CONSTRUCTION AS WELL AS VERIFY THE DEPTH OF ALL UNDERGROUND LINES.

2. OVERHEAD, SURFACE AND SUB-SURFACE INVESTIGATIONS. THE INFORMATION CONCERNING EXISTING UNDERGROUND CONDUITS, CABLES, UTILITIES AND GROUND STRUCTURES HAS BEEN OBTAINED BY THE ENGINEER FOR HIS OWN USE. ALL SUCH INFORMATION AND THE DRAWINGS OF EXISTING CONSTRUCTION ARE FURNISHED ONLY FOR THE INFORMATION AND CONVENIENCE OF THE BIDDERS. ITS ACCURACY OR COMPLETENESS IS NOT GUARANTEED BY THE ENGINEER AND IS NOT INTENDED TO BE CONSIDERED AS PART OF THE CONTRACT DOCUMENTS EVEN THOUGH SHOWN FOR GUIDANCE ON SOME DRAWINGS. THE CONTRACTOR MUST UNDERTAKE SUCH INVESTIGATIONS AS HE DEEMS NECESSARY TO VERIFY THE LOCATION OF SUCH UNDERGROUND CONDUITS, CABLES, UTILITIES AND GROUND STRUCTURES. THE CONTRACTOR MUST ASSUME ALL RISKS IN EXCAVATING FOR THIS CONTRACT BASED ON HIS OWN INVESTIGATION OF THESE UNDERGROUND CONDUITS, CABLES, UTILITIES AND GROUND STRUCTURES.

3. IT IS FURTHER AGREED AND UNDERSTOOD THAT THE BIDDER OR THE CONTRACTOR WILL NOT USE ANY OF THE INFORMATION MADE AVAILABLE TO HIM OR OBTAINED IN ANY EXAMINATION MADE BY HIM IN ANY MANNER AS A BASIS OR GROUND OF CLAIM OR DEMAND OF ANY NATURE, AGAINST THE OWNER OR THE ENGINEER, ARISING FROM OR BY REASON OF ANY VARIANCE WHICH MAY EXIST BETWEEN THE INFORMATION OFFERED AND THE ACTUAL MATERIALS OR STRUCTURES ENCOUNTERED DURING THE CONSTRUCTION WORK. 9/96

CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL NOTIFY THE LOCAL PUBLIC WORKS AND UTILITY DEPARTMENTS AND VDOT A MINIMUM OF 36 HOURS PRIOR TO THE COMMENCEMENT OF ANY DEMOLITION CONSTRUCTION ON SITE OR IN THE RIGHT-OF-WAY.

2. THE CONTRACTOR SHALL VERIFY CRITICAL DIMENSIONS AND ELEVATIONS IN THE FIELD PRIOR TO BEGINNING WORK AND SHALL NOTIFY ARCHITECT/ENGINEER AND OWNER OF ANY DISCREPANCIES.

3. DIMENSIONS SHOWN ARE TO FACE OF CURBS, FACE OF BUILDINGS, CENTERLINE OF STORM AND UTILITY STRUCTURES, AND CENTERLINE OF PIPES, UNLESS OTHERWISE NOTED.

4. THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING WORK. BEFORE YOU DIG, TO MISS THE UTILITIES, CALL "MISS UTILITY" OF VIRGINIA AT 1-800-552-7001.

5. SHOULD CONFLICTS WITH ANY EXISTING UTILITY OR STORM SYSTEM BECOME EVIDENT THE CONTRACTOR SHALL CONTACT THE ENGINEER AND OWNER BEFORE MAKING ANY ADJUSTMENTS WHICH MAY DIFFER FROM THIS PLAN.

6. ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM WITH CURRENT VIRGINIA DEPARTMENT OF TRANSPORTATION (V.D.O.T) ROAD AND BRIDGE STANDARDS, AS SPECIFIED HEREIN.

7. EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED TO COMPLY WITH THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (V.E.S.C.H.). ALL EROSION CONTROL DEVICES SHALL BE INSTALLED WITH THE FIRST PHASE OF DEMOLITION/CONSTRUCTION AND SHALL REMAIN IN PLACE AND BE MAINTAINED UNTIL COMPLETION OF CONSTRUCTION. SEE PLANS AND EROSION CONTROL NOTES FOR ADDITIONAL REQUIREMENTS.

8. CONTRACTOR SHALL PROTECT ALL TREES FROM DAMAGE SUCH AS CUTS, COMPACTION OF SOIL IN AREAS OF ROOTS, ETC. UNLESS INDICATED TO BE REMOVED. SHOULD TREES BECOME DAMAGED, THE CONTRACTOR WILL BE REQUIRED TO PROVIDE NEW TO MATCH EXISTING SPECIES AND SIZE. SEE TREE PROTECTION NOTES FOR ADDITIONAL REQUIREMENTS.

9. SLOPES STEEPER THAN 3 TO 1 (H TO V) SHALL BE BENCHED OR STEPPED PRIOR TO THE PLACEMENT OF FILL.

10. FILL MATERIALS CONTAINING ROCKS LARGER THAN SIX (6) INCHES SHALL NOT BE USED. THE UPPER MOST TWO (2) FEET SHALL NOT HAVE ANY ROCK LARGER THAN TWO (2) INCHES IN DIAMETER. THE TOP SIX (6) INCHES SHALL NOT HAVE ANY ROCK LARGER THAN ONE-HALF (1/2) INCH IN DIAMETER, COMPLY WITH TOPSOIL REQUIREMENTS.

11. EMBANKMENT MATERIAL IN FILL AREAS SHALL BE PLACED IN LIFTS NOT EXCEEDING EIGHT (8) INCHES AND SHALL BE COMPACTED TO A MINIMUM 95% DENSITY IN ACCORDANCE WITH THE LATEST EDITION VDOT ROAD AND BRIDGE SPECIFICATIONS.

12. FIELD DENSITY TESTS ARE TO BE CONDUCTED BY AN INDEPENDENT SOILS TESTING LABORATORY UNDER THE DIRECTION OF A QUALIFIED GEOTECHNICAL ENGINEER. THE RESULTS OF THESE TESTS SHALL BE SUBMITTED TO THE OWNER WITH AS-BUILT PLANS AS A CONDITION OF ACCEPTANCE OF THE FACILITY. AS DIRECTED BY THE ENGINEER, FIELD DENSITY TESTS SHALL BE PERFORMED PERIODICALLY TO DETERMINE THE DEGREE OF COMPACTION. ANY AREAS FAILING TO MEET THE ABOVE REQUIREMENTS SHALL BE REMOVED AND RECOMPACTED UNTIL THE REQUIRED DEGREE OF COMPACTION IS ACHIEVED.

13. ANTI-SLEEP COLLARS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION.

14. FOR WORK WITHIN CITY OR VDOT ROAD WAYS, THE CONTRACTOR SHALL MAINTAIN TWO-WAY TRAFFIC AT ALL TIMES. TRAFFIC CONTROL PLAN AND DEVICES SHALL COMPLY WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS. LANE CLOSURES ARE NOT PERMITTED WITHOUT

15. HANDICAPPED PARKING SPACES SHALL CONFORM TO AMERICANS WITH DISABILITIES ACT (ADA). INDIVIDUAL SPACES SHALL BE IDENTIFIED WITH AN ABOVE GRADE SIGN.

16. RESET MANHOLE RIMS, CLEAN OUT AND VALVE BOXES, ETC. AS REQUIRED TO MATCH NEW FINISHED GRADES.

17. THE CONTRACTOR SHALL ENGAGE THE SERVICES OF A STATE REGISTERED LAND SURVEYOR TO PROVIDE AS-BUILT AND VOLUME CALCULATIONS OF THE STORMWATER MANAGEMENT FACILITY AND PROVIDE THE AS-BUILT TO THE OWNER AND ENGINEER.

18. THE CONTRACTOR SHALL INSTALL STORM DRAINAGE FROM THE LOW (DISCHARGE) END OF THE SYSTEM TO THE HIGH (HEAD) OF THE SYSTEM. ALL PIPES SHALL BE INSTALLED WITH THE JOINTS FACING THE CONNECT DIRECTION (AS RECOMMENDED BY THE MANUFACTURER) FOR THE GRAVITY FLOW IN THE PIPES. THE CONTRACTOR SHALL CONFIRM CONNECTION ELEVATIONS PRIOR TO COMMENCING CONSTRUCTION.

19. DURING CONSTRUCTION, SHOULD CONFLICTS WITH ANY EXISTING UTILITIES BECOME EVIDENT, THE ENGINEER IS TO BE CONTACTED BEFORE ANY ADJUSTMENTS ARE MADE WHICH MAY DIFFER FROM THIS PLAN. ANY ADJUSTMENTS MADE SHALL BE AT THE DIRECTION OF THE ENGINEER.

20. ON-SITE PROJECT LIMITS TO BE PROPERTY LINES UNLESS OTHERWISE NOTED ON THE PLAN.

21. ALL DIMENSIONS OR RADII DENOTED AS (+) ARE TO BE FIELD DETERMINED.

22. GRADES SHOWN ON SITE PLAN ARE FINISHED GRADES AND DENOTE THE COMPLETION OF THE GRADATION OR TOP OF SLOPE IN UNPAVED AREAS, FINISHED PAVEMENT SURFACE OR TOP OF CURB AS APPLICABLE IN PAVED AREAS.

23. TOPSOIL SHALL BE STRIPPED WITHOUT CONTAMINATION WITH SUBSOIL AND STOCKPILED FREE OF UNDESIRABLE MATERIALS. REMOVE HEAVY GROWTHS OR GRASS PRIOR TO STRIPPING.

24. ANY BACKFILL MATERIAL PLACED UNDER GRASSED AND PLANTED AREAS SHALL BE FREE OF DEBRIS, WASTE, FROZEN MATERIALS, TOXIC MATERIALS, VEGETATION, STONES LARGER THAN ONE HALF INCH, OR OTHER DELETERIOUS MATERIAL.

25. IN AREAS WHICH WILL NOT BE PAVED OR COVERED WITH A BUILDING OR STRUCTURE ALL UNSUITABLE SOILS SUCH AS CRUSHERS, RUBBLE, SLABS, FOUNDATIONS SHALL BE REMOVED. THE AREAS SHALL THEN BE BACKFILLED WITH TOPSOIL. PLANTED AND GRASSED AREAS SHALL CONTAIN A MINIMUM OF SIX INCHES OF TOPSOIL FROM STOCKPILE ON-SITE, IF AVAILABLE, OR IMPORTED. TOPSOIL SHALL BE A NATURAL, FERTILE, FRIABLE SOIL. IT SHALL HAVE A PH BETWEEN 6.0 AND 6.8 AND BE FREE OF TOXIC SUBSTANCES WHICH MAY BE HARMFUL TO PLANT GROWTH. TOPSOIL SHALL BE WITHOUT ADMIXTURES OF SUBSOIL AND SHALL BE CLEAN AND FREE OF CLAY LUMPS, STONES, STUMPS, ROOTS AND SIMILAR MATERIALS OVER ONE HALF INCH IN DIAMETER. SEE PLANTING PLANS FOR SPECIFIC TOPSOIL AND PLANTING REQUIREMENTS.

26. UNSUITABLE MATERIAL WITHIN PUBLIC RIGHT-OF-WAY SHALL BE EXCAVATED TO THE LIMITS ESTABLISHED BY THE CITY OR VDOT INSPECTOR AND ONLY BY DIRECTION OF THE OWNER. UNSUITABLE MATERIAL WITHIN THE SITE SHALL BE EXCAVATED AT THE DIRECTION OF THE GEOTECHNICAL ENGINEER AND ONLY BY DIRECTION OF THE OWNER. NO ADDITIONAL RIGHT-OF-WAY OR ON-SITE EXCAVATION/BACKFILLING SHALL BE UNDERTAKEN UNTIL DIRECTED BY THE OWNER.

27. CONSTRUCTION DEBRIS SHALL BE CONTAINERIZED IN ACCORDANCE WITH THE VIRGINIA LITTER CONTROL ACT. NO LESS THAN ONE LITTER RECEPTACLE SHALL BE PROVIDED AT ALL TIMES.

28. THE CONTRACTOR SHALL SUPPLY THE OWNER WITH CORRECT DETAILED AS-BUILT PLANS BEFORE FINAL ACCEPTANCE. 9/96

UTILITY CONSTRUCTION NOTES

1. A MINIMUM OF THREE (3) FEET OF COVER IS REQUIRED OVER NEW WATER LINES IN THE RIGHT-OF-WAY AND A MINIMUM OF TWO (2) FEET OF COVER IS REQUIRED OVER NEW WATER LINES ON SITE, UNLESS ADDITIONAL COVER IS REQUIRED BY LOCAL AUTHORITIES.

2. A MINIMUM OF TWO (2) FEET OF COVER IS REQUIRED OVER NEW SANITARY AND STORM SEWER LINES IN THE RIGHT-OF-WAY AND A MINIMUM OF EIGHTEEN (18) INCHES OF COVER IS REQUIRED OVER NEW SANITARY AND STORM SEWER LINES ON SITE, UNLESS ADDITIONAL COVER IS REQUIRED BY LOCAL AUTHORITIES.

3. THE CONTRACTOR SHALL LOCATE, AND UNCOVER IF PAVED OVER OR BURIED, ON AS-BUILT PLANS.

4. ALL EXISTING UTILITIES MAY NOT BE SHOWN OR MAY NOT BE SHOWN IN THE EXACT LOCATION. THE CONTRACTOR SHALL COMPLY WITH THE STATE WATER WORKS REGULATION WHERE LINES CROSS.

5. A REDUCED PRESSURE BACKFLOW PREVENTOR SHALL BE INSTALLED ON THE IRRIGATION WATER SUPPLY ABOVE GRADE INSIDE THE BUILDING NEAR A FLOOR DRAIN, TO FACILITATE TESTING.

6. A MINIMUM 1" IRRIGATION PIPE SHALL BE STUBBED OUT OF THE BUILDING WATER SUPPLY TO THE IRRIGATION SYSTEM. IN ADDITION A 4" PIPE SHALL BE STUBBED OUT OF THE BUILDING AN APPROPRIATE LOCATION TO FACILITATE THE IRRIGATION CONTROLLER AND DIRECT ACCESS FOR CONTROL WIRING TO THE OUTSIDE.

TREE & SHRUB PROTECTION NOTES

1. THE CONTRACTOR IS HEREBY NOTIFIED THAT THE PROTECTION OF ALL TREES AND SHRUBS IS HIS RESPONSIBILITY AFTER THE CONSTRUCTION LIMITS HAVE BEEN ESTABLISHED. THE CONTRACTOR SHALL FLAG ALL TREES AND SHRUBS WHICH CONFLICT WITH CONSTRUCTION, ONCE FLAGGED, THE CONTRACTOR WILL CONDUCT A MEETING WITH THE ARCHITECT/ENGINEER AND OWNER TO EVALUATE THE LIMITS OF TREES AND SHRUBS SHOWN ON THE DRAWINGS TO BE REMOVED.

2. ONCE THE LIMITS OF SHRUB REMOVAL HAS BEEN DETERMINED, THE CONTRACTOR SHALL HAVE A QUALIFIED NURSERY TAG, REMOVE, STORE AND MAINTAIN ALL SHRUBS DURING CONSTRUCTION WHICH ARE TO BE RELOCATED. ONCE CONSTRUCTION IS COMPLETED, THE NURSERY SHALL RECONSTRUCT THE EXISTING PLANT BEDS TO THE LIMITS SHOWN ON THE DRAWINGS BY INSTALLING THE REMOVED SHRUBS.

3. PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION, PROTECTION BARRIERS SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (V.E.S.C.H.) TO PREVENT DAMAGE TO THE INDIVIDUAL TREES AND SHRUBS AND THEIR ROOT SYSTEMS, WHICH ARE INDICATED TO REMAIN. MATERIALS SHALL NOT BE STOCKPILED WITHIN THIS DEFINED AREA AND VEHICLES AND OTHER EQUIPMENT ARE TO BE EXCLUDED TO AVOID SOIL COMPACTION.

4. BOARDS OR WIRES OF A NON PROTECTIVE NATURE SHALL NOT BE NAILED OR ATTACHED TO TREES DURING BUILDING OPERATIONS.

5. HEAVY EQUIPMENT OPERATIONS SHALL BE CAUTIONED TO AVOID DAMAGE TO EXISTING TREE TRUNKS AND ROOTS DURING LAND LEVELING OPERATIONS. FEEDER ROOTS SHOULD NOT BE CUT IN AN AREA EQUAL TO TWICE THE TREE CIRCUMFERENCE (MEASURED 4 1/2 FEET ABOVE GROUND LINE IN INCHES) EXPRESSED IN FEET. (EXAMPLE: CIRCUMFERENCE OF TEN INCHES WOULD HAVE A TWO CUT ZONE OF TWENTY FEET IN ALL DIRECTIONS FROM THE TREE). THIS SHOULD APPLY TO TRENCING FOR ALL UTILITY SERVICES, IF FEASIBLE.

6. TREE TRUNKS AND EXPOSED ROOTS DAMAGED DURING EQUIPMENT OPERATION SHALL BE PAINTED IMMEDIATELY WITH A GOOD GRADE OF "TREE PAINT", CARE FOR SERIOUS INJURY SHALL BE THE RESPONSIBILITY OF THE NURSERY EMPLOYED BY THE CONTRACTOR TO REMOVE AND MAINTAIN EXISTING SHRUBS.

7. ALL TREE LIMBS DAMAGED DURING BUILDING OR LAND LEVELING OR REMOVED FOR ANY OTHER REASON, SHALL BE SAVED TO TREE TRUNK AND PAINTED WITH A "TREE PAINT".

8. CRITERIA FOR REPLACING TREES KILLED DURING CONSTRUCTION: IF DESIRED TREES PROTECTED BY THE ABOVE MEANS ARE KILLED DURING CONSTRUCTION, THEY SHALL BE REPLACED BY A TREE OF AT LEAST 3 INCHES CALIPER OF THE SAME SPECIES OR LIKE QUALITY, AS SPECIFIED BY THE ARCHITECT/ENGINEER AND OWNER. 9/96

EROSION CONTROL NOTES

1. ALL SOIL EROSION & SEDIMENT CONTROL MEASURES SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS CONTAINED IN THE LATEST EDITION OF THE VIRGINIA EROSION AND SEDIMENT CONTROL (V.E.S.C.H.) HANDBOOK.

2. THE APPROVING AUTHORITY MAY ADD TO, DELETE, RELOCATE, CHANGE, OR OTHERWISE MODIFY CERTAIN EROSION AND SEDIMENT CONTROL MEASURES WHERE FIELD CONDITIONS ARE ENCOUNTERED THAT WARRANT SUCH MODIFICATIONS.

3. ALL EROSION CONTROL DEVICES SHALL BE INSTALLED WITH THE FIRST PHASE OF DEMOLITION/CONSTRUCTION AND SHALL REMAIN IN PLACE AND BE MAINTAINED UNTIL COMPLETION OF ALL CONSTRUCTION. EACH STRUCTURE SHALL BE CLEANED, RESET OR REPLACED AT THE END OF EACH STORM EVENT, AS A MINIMUM EACH STRUCTURE SHALL BE MAINTAINED WEEKLY.

4. IN NO CASE DURING CONSTRUCTION SHALL WATER RUNOFF BE ALLOWED TO FLOW TO LOCATIONS WHERE ADEQUATE PROTECTION HAS NOT BEEN PROVIDED.

5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LEAVE THE SITE ADEQUATELY PROTECTED AGAINST EROSION, SEDIMENTATION, OR ANY DAMAGE TO ANY ADJACENT PROPERTY AT THE END OF EACH DAY'S WORK.

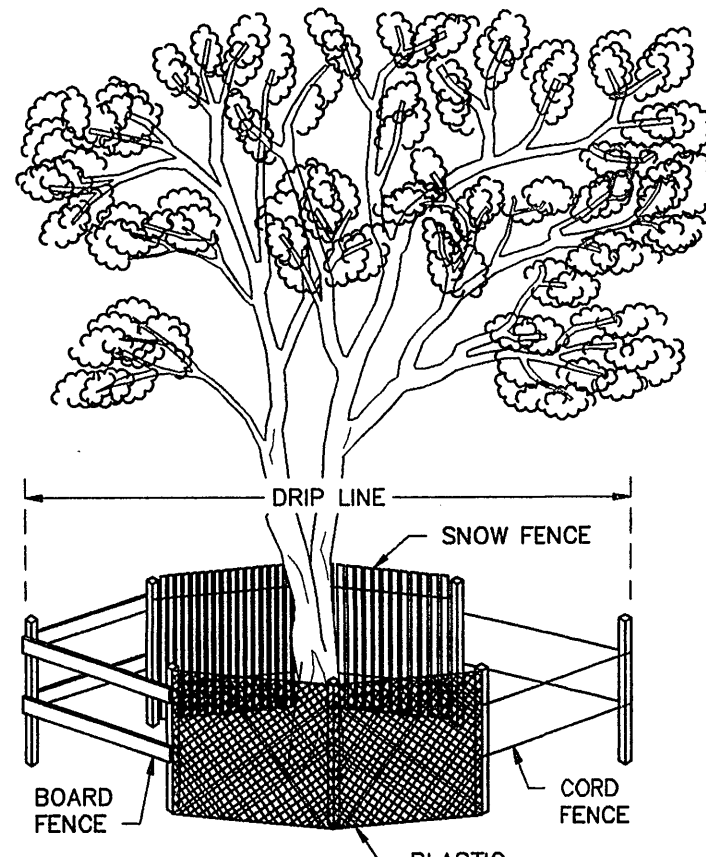
6. FOR THE EROSION CONTROL KEY SYMBOLS SHOWN ON THE PLANS, REFER TO THE VIRGINIA UNIFORM CODING SYSTEM FOR EROSION AND SEDIMENT CONTROL PRACTICES CONTAINED IN THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION.

7. THE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN SILT TRAPS SUFFICIENT TO PREVENT SOIL BEING ERODED FROM THE SITE INTO ANY ADJACENT DRAINAGE SYSTEM, DITCH OR WATER COURSES. ANY MATERIAL THAT IS SO ERODED SHALL BE PROMPTLY REMOVED.

8. ALL STREETS, STORM SEWER PIPES, DRAIN INLETS AND CURB INLETS SHALL BE CLEANED OF DEBRIS AND ERODED MATERIAL AT THE LAST STAGE OF CONSTRUCTION.

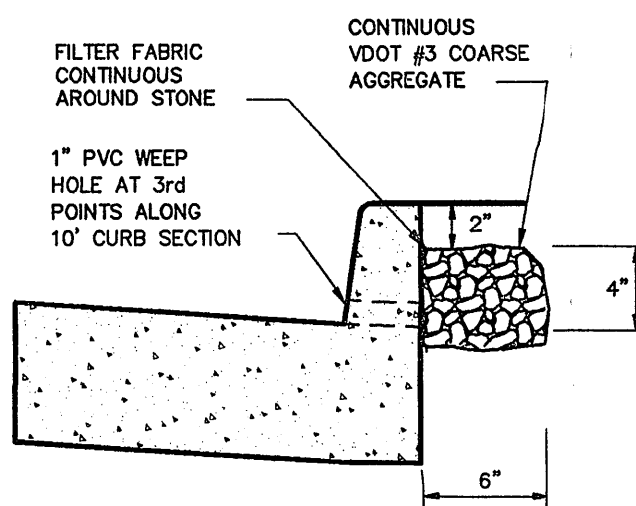
9. THE CONTRACTOR IS RESPONSIBLE FOR ADEQUATELY CLEANING EQUIPMENT PRIOR TO LEAVING CONSTRUCTION SITE, SO AS NOT TO TRACK MUD, ASPHALT, ETC. ONTO PUBLIC RIGHT-OF-WAY. THE CONTRACTOR IS RESPONSIBLE FOR ANY CLEAN UP OPERATIONS ON ADJACENT PROPERTY OR PUBLIC RIGHT-OF-WAY DUE TO MUD, ASPHALT, ETC. BEING TRACKED FROM THE CONSTRUCTION SITE.

10. REMOVAL OF ERODED SEDIMENTS SHALL INCLUDE REMOVAL OF SEDIMENTS FROM ANY OFF-SITE DRAINAGE SYSTEM, INCLUDING EXISTING DITCHES AND STORM SEWERS, WHICH CONTAIN SEDIMENTS ERODED FROM THE WORK AREA. TEMPORARY DRAINAGE DURING CONSTRUCTION SHALL BE PROVIDED BY THE CONTRACTOR TO RELIEVE FLOODED AREAS THAT MAY CAUSE DAMAGE TO SITE OR CITY RIGHT-OF-WAY. 9/96



TREE PROTECTION BARRIER

NOT TO SCALE



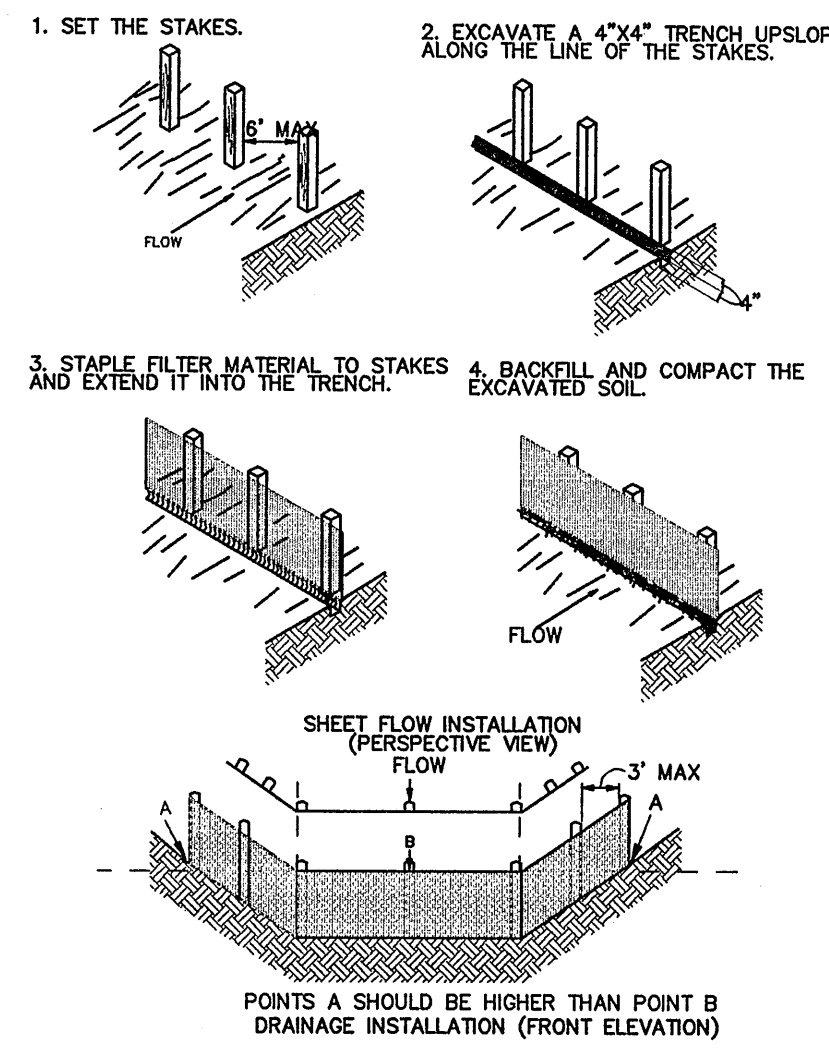
CURB WEEP HOLE DETAIL

NOT TO SCALE

TEMPORARY SEEDING MIXTURE

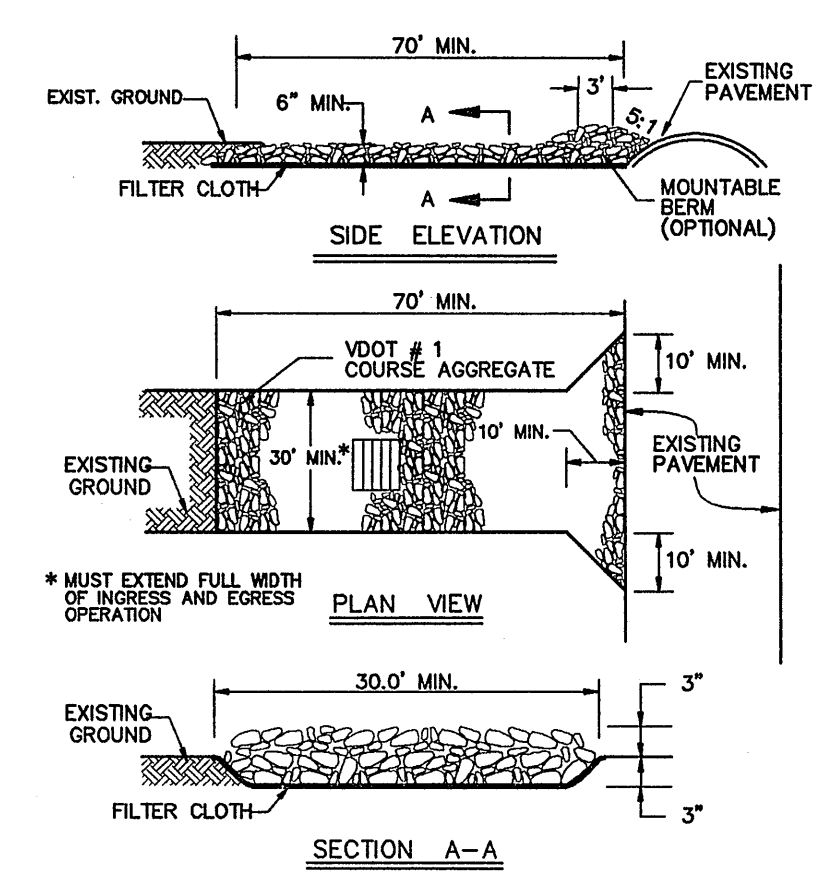
PROVIDE TEMPORARY SEEDING WITHIN 14 DAYS OF DENUDING AREA. SEE LANDSCAPE PLAN FOR PERMANENT SEEDING AND/OR SODDING REQUIREMENTS.

TYPE A	TYPE B (SLOPES 3:1 OR STEEPER)
15 OCTOBER TO 1 FEBRUARY K-31 FESCUE @ 5 LB/1000 SF BONZY WINTER RYE @ 1/2 LB/1000 SF	15 MARCH TO MAY CROWN VETCH @ 1/2 LB/1000 SF PERENNIAL RYEGRASS @ 1/2 LB/1000 SF RED TOP @ 1/8 LB/1000 SF
1 FEBRUARY TO 1 JUNE K-31 FESCUE @ 5 LB/1000 SF ANNUAL RYE @ 1/2 LB/1000 SF	15 AUGUST TO 15 OCTOBER CROWN VETCH @ 1/2 LB/1000 SF PERENNIAL RYEGRASS @ 1/2 LB/1000 SF RED TOP @ 1/8 LB/1000 SF
1 JUNE TO 1 SEPTEMBER K-31 FESCUE @ 5 LB/1000 SF GERMAN MILLET @ 1/2 LB/1000 SF	
1 SEPTEMBER TO 15 OCTOBER K-31 FESCUE @ 5 LB/1000 SF ANNUAL RYE @ 1/2 LB/1000 SF	
LIME: 140 LB/100 SF PULVERIZED AGRICULTURAL LIMESTONE	
FERTILIZER: 5-20-10 @ 25 LB / 1000 S.F.	
MULCH: IF REQUIRED, SHALL BE USED OVER ALL SEEDING AREAS AND SHALL BE APPLIED IN ACCORDANCE WITH SECTION 1.7.2 OF THE VA. EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION.	
SOIL CONDITION: INCORPORATION OF LIME AND FERTILIZER, SELECTION OF CERTIFIED SEED, MULCHING, MAINTENANCE OF NEWS SEEDINGS, AND RESEEDING SHALL BE IN ACCORDANCE WITH SPECIFICATIONS CONTAINED WITHIN THE VIRGINIA SOIL EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION. ADDITIONAL SEEDING TO BE PERFORMED AS REQUIRED BY THE INSPECTOR.	
SEED APPLICATION: APPLY SEED, UNIFORMLY WITH A CYCLONE, SEEDER, DRILL, CULTIPACKER, SEEDER, OR HYDROSEEDER ON A FIRM, FRIABLE, SEEDBED, MAXIMUM SEEDING DEPTH SHALL BE 1/4 INCH.	



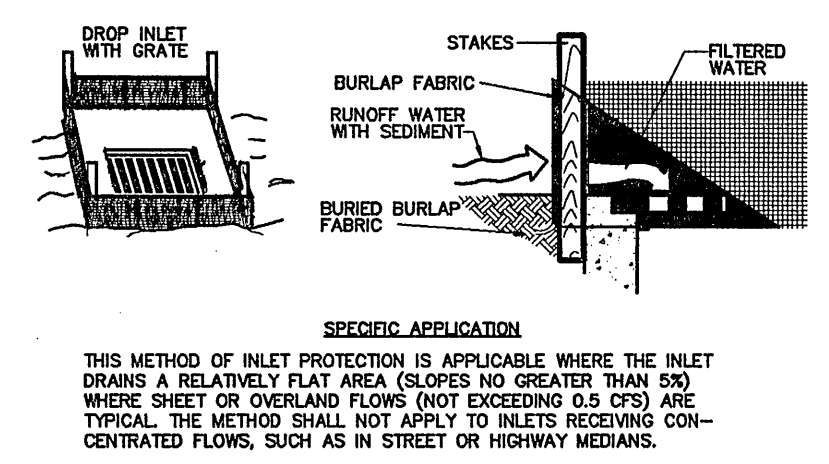
CONSTRUCTION OF A FILTER BARRIER WITHOUT WIRE SUPPORT

NOT TO SCALE



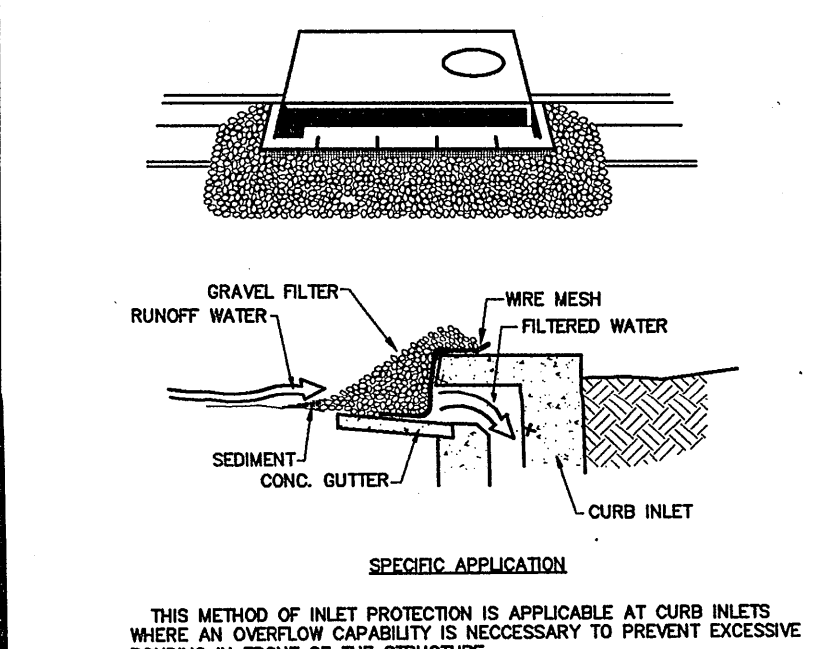
TEMP. GRAVEL CONST. ENTRANCE

NOT TO SCALE



BURLAP DROP INLET SEDIMENT FILTER

NOT TO SCALE



GRAVEL DROP INLET SEDIMENT FILTER

NOT TO SCALE

TRAFFIC CONTROL PLAN

TYPICAL APPLICATION - LANE CLOSURE OPERATION ON TWO LANE ROADWAY

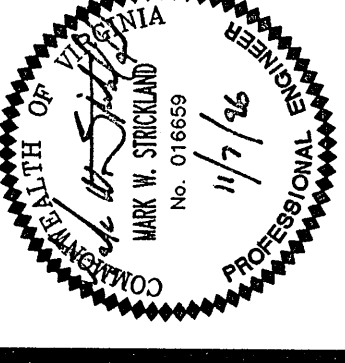
TRAFFIC CONTROL PLAN

TYPICAL APPLICATION - LANE CLOSURE OPERATION ON FOUR LANE ROADWAY

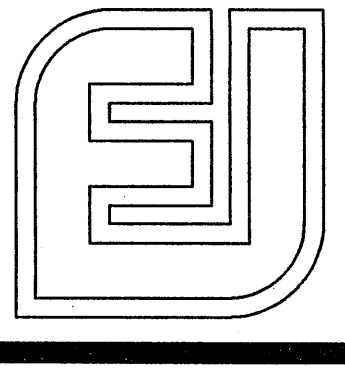
TRAFFIC CONTROL NOTES:

- ALL TRAFFIC CONTROL DEVICES USED ON STREETS AND HIGHWAY CONSTRUCTION, MAINTENANCE, UTILITY OR INCIDENT MANAGEMENT (TEMPORARY TRAFFIC CONTROL) OPERATIONS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- CONTRACTOR SHALL MAINTAIN TWO-WAY TRAFFIC AL ALL TIMES DURING CONSTRUCTION.
- CONTRACTOR TO EXERCISE CAUTION WHEN ESTABLISHING THE LIMITS OF WORK TO INSURE MAXIMUM POSSIBILITY SIGHT DISTANCE.
- SPACING BETWEEN SIGNS MAY VARY DEPENDING ON ACTUAL LOCAL CONDITIONS AND TYPE OF OPERATIONS. CONTRACTOR TO COORDINATE MODIFICATIONS TO TRAFFIC CONTROL PLAN WITH LOCAL TRAFFIC ENGINEER.
- LENGTH OF ADVANCE WARNING ARE SHOWN IS FOR URBAN STREETS. FOR OPEN HIGHWAY CONDITIONS, REFER TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- CONE SPACING SHALL BE AT THE FOLLOWING:

LOCATION	SPEED(mph)
	0-35 36+
TRANSITION SPACING	20' 40'
TRAVELWAY SPACING	40' 80'



Langley and McDonald, P.C.
Engineers • Surveyors • Planners
Landscape Architects • Environmental Consultants
VIRGINIA BEACH



DES.	MWS/DMA
DWN.	CCC
CHK.	MWS
DATE	10/15/96

2.15 Acres Northeast of the Intersection of Brandon Avenue S.W. and Edgewood Street S.W. in the City of Roanoke, Virginia
for
RITE AID CORPORATION
30 Hunter Lane
Camp Hill, PA 17011

PROJ.NO.	94100-54
SCALE:	AS SHOWN
SHEET	OF 9
DWG. NO.	24741 D