LIST OF ABBREVIATIONS: OVERHEAD TELEVISION AMERICAN WATER WORKS ASSOCIATION POUNDS PER SQUARE INCH CUBIC FEET CURB AND GUTTER CULVERT INLET PROTECTION POLYVINYL CHLORIDE RIGHT-OF-WAY SANITARY SANITARY DIVERSION DIKI DUCTILE IRON DROP INLET STREAM BANK STABILIZATION STRAW BALE BARRIER FLOW LINE GROUND SHOT INVERT TEMPORARY CONSTRUCTION FENCE TOP OF STEP TOP OF WALL VIRGINIA DEPARTMENT OF TRANSPORTATION VIRGINIA EROSION AND SEDIMENT CONTROL OVERHEAD ELECTRIC OVERHEAD TELEPHONE

GENERAL NOTES

- . OBTAIN ALL NECESSARY PERMITS, INSPECTIONS, BONDS, AND OTHER APPROVAL RELATED ITEMS IN ACCORDANCE WITH LOCAL AND STATE POLICY AND COUNTY OF PRINCE GEORGE. PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION WITHIN ANY EXISTING PUBLIC RIGHT-OF-WAY, INCLUDING CONNECTION TO ANY EXISTING ROAD, A PERMIT FOR SAID CONSTRUCTION SHALL BE OBTAINED FROM THE VIRGINIA DEPARTMENT OF TRANSPORTATION (HEREAFTER ABBREVIATED VDOT).
- 2. ALL PAVING AND DRAINAGE RELATED MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO CURRENT STANDARDS AND SPECIFICATIONS OF VDOT UNLESS OTHERWISE NOTED.
- 3. EROSION AND SILTATION CONTROL MEASURES SHALL BE PROVIDED IN ACCORDANCE WITH THE APPROVED EROSION CONTROL PLAN AND THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, 3RD ED. ALL MEASURES SHALL BE INSTALLED PRIOR TO ANY CLEARING, GRADING, OR OTHER CONSTRUCTION.
- 4. ALL SLOPES AND DISTURBED AREAS ARE TO BE FERTILIZED, SEEDED, AND MULCHED. MAXIMUM ALLOWABLE FILL OR CUT SLOPE IS 2:1, WHERE POSSIBLE, LESSER SLOPES OF 4:1 OR BETTER ARE TO BE ACHIEVED. EROSION AND SEDIMENT CONTROL MEASURES SHALL MEET STANDARDS OF VESCH. 3RD EDITION.
- 5. UNLESS OTHERWISE NOTED, ALL CONCRETE PIPE SHALL BE REINFORCED CONCRETE PIPE, CLASS III.
- 6. ALL EXCAVATION FOR UNDERGROUND PIPE INSTALLATION MUST COMPLY WITH OSHA STANDARDS FOR THE CONSTRUCTION INDUSTRY (29 CFR PART 1926).
- 7. VERIFY THE PROPOSED LAYOUT WITH ITS RELATIONSHIP TO THE EXISTING SITE SURVEY. ALSO VERIFY ALL DIMENSIONS, SITE CONDITIONS, AND MATERIAL SPECIFICATIONS AND NOTIFY THE OWNER AND ENGINEER OF ANY ERRORS, OMISSIONS, OR DISCREPANCIES BEFORE COMMENCING OR PROCEEDING WITH WORK.
- 8. DEVIATIONS FROM, OR CHANGES TO THESE PLANS WILL NOT BE ALLOWED, UNLESS OTHERWISE APPROVED BY THE
- 9. THE PLAN DOES NOT GUARANTEE THE EXISTENCE OR NONEXISTENCE OF UNDERGROUND UTILITIES. PRIOR TO ANY CONSTRUCTION OR EXCAVATION, VERIFY THE EXISTENCE AND LOCATION OF, OR NONEXISTENCE OF UNDERGROUND UTILITIES. NOTIFY "MISS UTILITY" (1-800-552-7001).
- 10. MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UTILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO THE PLANS IF NECESSARY. THE EXISTENCE AND/OR LOCATION OF UTILITIES SHOWN ON THESE PLANS MAY BE ONLY APPROXIMATELY CORRECT AND TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN HEREON AND ANY OTHER EXISTING UTILITIES NOT OF RECORD OR NOT SHOWN ON THESE PLANS. REPAIR AT YOUR OWN EXPENSE, ANY EXISTING UTILITIES DAMAGED DURING CONSTRUCTION. IF A UTILITY IS DAMAGED DURING CONSTRUCTION, STOP WORK IMMEDIATELY AND NOTIFY THE ENGINEER.
- 11. RELOCATION OF ANY UTILITIES SHALL BE AT THE OWNER'S EXPENSE AND COMPLETED WITH THE SITE WORK. THE OWNER SHALL BE NOTIFIED AS TO THE RELOCATIONS REQUIRED PRIOR TO THE START OF CONSTRUCTION.
- 12. PROPERLY SECURE THE CONSTRUCTION AREA AT ALL TIMES AGAINST UNAUTHORIZED ENTRY AND SHALL ADEQUATELY PROTECT EQUIPMENT, MATERIALS, AND COMPLETED WORK FROM THEFT AND VANDALISM. THE OWNER IS NOT RESPONSIBLE FOR THE LOSS OF ANY MATERIAL STORED AT THE SITE.
- 13. ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL AND ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT. EXCEPTING FOR LIABILITY ARISING FROM "THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER."
- 14. ANY DAMAGE TO EXISTING PHYSICAL FEATURES (WALKS, LIGHTS, CURBS, PLANTS, ETC.) SHALL BE REPAIRED OR REPLACED AS NECESSARY AT NO COST TO THE OWNER.
- 15. ALL TURF AREAS THAT ARE IMPACTED OR DISTURBED BY VEHICLES, EQUIPMENT, OR ACTIVITY SHALL BE REPAIRED, REGRADED, AND RESEEDED.
- 16. AN APPROVED SET OF PLANS AND ALL APPLICABLE PERMITS MUST BE MAINTAINED BY AND MADE AVAILABLE AT THE CONSTRUCTION SITE AT ALL TIMES.
- 17. NOTIFY OPERATORS WHO MAINTAIN UNDERGROUND UTILITY LINES IN THE AREA OF PROPOSED EXCAVATION AT LEAST THREE WORKING DAYS, BUT NOT MORE THAN TEN WORKING DAYS, PRIOR TO COMMENCEMENT OF EXCAVATION OR DEMOLITION. (REFER TO GENERAL NOTES #9 AND #10).
- 18. PERFORM ALL WORK USING DIMENSIONS SHOWN ON THESE PLANS. DO NOT USE SCALES, RULERS, DIVIDERS, MAP WHEELS OR OTHER MEASURING DEVICES TO DETERMINE SPATIAL RELATIONSHIPS ON THESE DRAWINGS.
- 19. DIMENSIONS & RADII ARE TO FACE OF CURB, WHERE APPLICABLE, UNLESS OTHERWISE INDICATED.
- 20. GEOTECHNICAL REPORT HAS BEEN COMPLETED AND IS AVAILABLE THROUGH THE ENGINEER.
- 21. ALL UNSUITABLE MATERIAL SHALL BE REMOVED FROM THE CONSTRUCTION LIMITS OF PAVED AREAS.

EROSION CONTROL NARRATIVE

- INSTALL ALL TREE PROTECTION, SILT FENCE, AND CONSTRUCTION ENTRANCE, AS A FIRST STEP IN CONSTRUCTION AND PRIOR TO LAND DISTURBANCE.
- BEGIN SELECT DEMOLITION OF SITE FEATURES TO ALLOW FOR INSTALLATION OF SEDIMENT TRAPS & DIVERSION DIKE.
- CONSTRUCT SEDIMENT TRAPS.
- COMPLETE INSTALLATION OF SILT FENCE & INSTALL DIVERSION DIKES.
- . COMPLETE SITE DEMOLITION AND BEGIN GRADING OF THE SITE. ADJUST SILT FENCE AS NECESSARY TO MAINTAIN PROPER FUNCTION.
- BEGIN SITE CONSTRUCTION, INCLUDING ROAD UTILITIES AND STORM SEWER
- CONTINUE WITH CONSTRUCTION. AS DROP INLETS ARE CONSTRUCTED, INSTALL INLET PROTECTION.
- 8. INSTALL CULVERT INLET PROTECTION & OUTLET PROTECTION ON CULVERTS IMMEDIATELY UPON INSTALLATION.
- . AS GRADING PROCEEDS, ADJUST DIVERSION DIKE TO MAINTAIN POSITIVE DRAINAGE TO SEDIMENT TRAPS.
- 10. AS AREAS ARE BROUGHT TO FINAL GRADE, APPLY TEMPORARY SEEDING TO STABILIZE THE SITE.
- 11. AS A LAST STEP IN CONSTRUCTION, APPLY PERMANENT SEEDING & MULCHING. APPLY PERMANENT SEEDING AND MULCHING IN ACCORDANCE WITH VESCH, 3RD ED.
- 12. UPON STABILIZATION OF ALL UPSLOPE AREAS AND WITH THE APPROVAL OF THE ENVIRONMENTAL INSPECTOR, REMOVE EROSION CONTROL MEASURES.

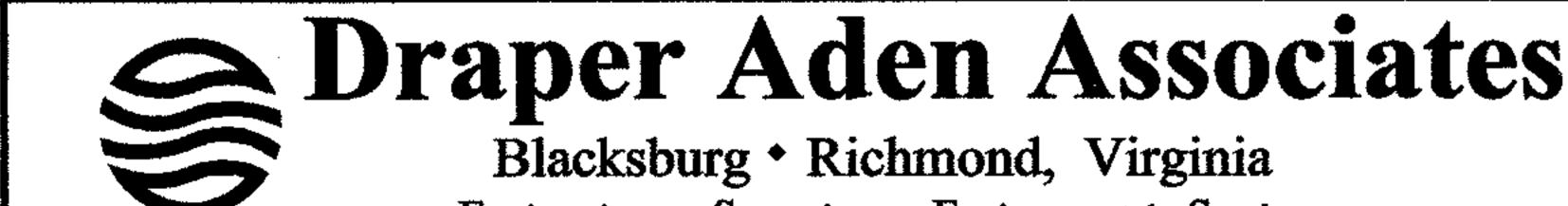
EROSION AND SEDIMENT CONTROL NOTES

- 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 VR 625-02-00 EROSION AND SEDIMENT CONTROL REGULATIONS.
- THE DIVISION OF SOIL AND WATER CONSERVATION OF THE DEPARTMENT OF CONSERVATION AND RECREATION MUST BE NOTIFIED (804-371-0041) ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITY, AND 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, GRADING OR LAND-DISTURBING AND SEQUENCE OF CONSTRUCTION APPROVED.
- ES-4. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- PRIOR TO LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS OR OFF-SITE FILL ACTIVITIES, THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE OWNER FOR REVIEW AND APPROVAL BY THE DEPARTMENT OF CONSERVATION AND RECREATION/DIVISION OF SOIL AND WATER
- ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE DIVISION OF SOIL AND WATER CONSERVATION OF THE DEPARTMENT OF CONSERVATION
- SITE GRADING IS TO DRAIN TO THE PERIMETER CONTROLS AT ALL TIMES DURING LAND DISTURBING ACTIVITIES AND DURING CONSTRUCTION, UNTIL FINAL STABILIZATION IS ACHIEVED.
- MEASURES PERIODICALLY (AT LEAST DAILY) AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY. THE CONTRACTOR WILL MAINTAIN A LOG OF INSPECTIONS, MAINTENANCE PERFORMED AND REPAIRS MADE FOR INSPECTION BY THE OWNER AND THE DEPARTMENT OF CONSERVATION AND RECREATION/DIVISION OF SOIL AND WATER CONSERVATION.
- APPLIED TO DENUDED AREAS WITHIN SEVEN DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT (UNDISTURBED) FOR LONGER THAN 30 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT DORMANT FOR MORE

- TEMPORARY PROTECTION AND PERMANENT STABILIZATION OF ALL SOIL STOCKPILES ON SITE AS WELL AS SOIL INTENTIONALLY TRANSPORTED FROM THE PROJECT SITE.
- 11. MS-3. [4(3)] A PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED ON DENUDÉD AREAS NOT OTHERWISE PERMANENTLY STABILIZED UNTIL A GROUND COVER IS ACHIEVED THAT. IN THE OPINION OF THE DIVISION OF SOIL AND WATER CONSERVATION OF THE DEPARTMENT O CONSERVATION AND RECREATION, IS UNIFORM, MATURE ENOUGH TO SURVIVE AND WILL INHIBIT EROSION.
- 12. MS-4. [4(4)] SEDIMENT BASINS AND TRAPS, PERIMETER DIKES, SEDIMENT BARRIERS, AND OTHER MEASURES INTENDED TO TRAP SEDIMENT SHALL BE CONSTRUCTED AS A FIRST STEP IN ANY LAND DISTURBING ACTIVITY, AND SHALL BE MADE FUNCTIONAL BEFORE UPSLOPE LAND DISTURBANCE TAKES PLACE.
- 13. MS-10. [4(10)] ALL STORM SEWER INLETS THAT ARE MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SEDIMENT-LADEN WATER CANNOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT.
- 14. MS-17. [4(17)] WHERE CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY VEHICULAR TRACKING ONTO THE PAVED SURFACE. WHERE SEDIMENT IS TRANSPORTED ONTO A PUBLIC ROAD SURFACE, THE ROAD SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM THE ROADS B' DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER. THIS PROVISION SHALL APPLY TO INDIVIDUAL SUBDIVISION LOTS AS WELL AS TO LARGER LAND-DISTURBING ACTIVITIES.
- 15. MS-18. [4(18)] ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION, OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED UNLESS OTHERWISE AUTHORIZED BY THE LOCAL PROGRAM ADMINISTRATOR. TRAPPED SEDIMENT AND THE DISTURBED SOIL AREAS RESULTING FROM THE DISPOSITION OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION.



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DESIGNED: GWC ____ CHECKED: 8/13/00 DATE:

NOTES SOUTHPOINT BUSINESS PARK ACCESS ROAD PRINCE GEORGE COUNTY, VIRGINIA

REVISIONS:

SCALE:

NO SCALE

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