## GENERAL NOTES – UTILITIES

1. OWNER: COUNTY OF PRINCE GEORGE

2. ENGINEER: DRAPER ADEN ASSOCIATES
   8090 VILLA PARK DRIVE
   RICHMOND, VIRGINIA 23228
   804-264-2228

3. BOUNDARY INFORMATION IS APPROXIMATE. SEE PLAT FOR DETAILED BOUNDARY INFORMATION.

4. VERTICAL DATUM IS BASED UPON NGVD1988

5. ALL CONSTRUCTION MATERIALS AND INSTALLATION SHALL BE SUPPLIED AND INSTALLED ACCORDING TO THE CONTRACT DOCUMENTS FOR THE PRINCE GEORGE COUNTY SOUTHPOINT BUSINESS PARK INFRASTRUCTURE IMPROVEMENTS

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE ENGINEER TO SCHEDULE A PRE-CONSTRUCTION MEETING AT LEAST 72 HOURS PRIOR TO THE START OF ANY CONSTRUCTION ON THE PROJECT. ALL WORK SHALL BE SUBJECT TO INSPECTION BY THE COUNTY AND ITS AGENTS.

7. ALL BOUNDARY OR PROPERTY LINE MARKERS DISTURBED SHALL BE REPLACED IN THEIR ORIGINAL LOCATION AT NO ADDITIONAL COST.

8. THE CONTRACTOR SHALL NOTIFY MISS UTILITY TELEPHONE NO. 1-800-552-7001 AT LEAST 72 HOURS PRIOR TO CONSTRUCTION START-UP FOR EXACT LOCATION OF EXISTING UNDERGROUND UTILITIES.

9. THE LOCATION, DESCRIPTION AND ELEVATION OF ALL EXISTING UTILITIES ACROSS AND ALONG THE ROUTE OF THE PROPOSED PROJECT ARE NOT NECESSARILY SHOWN ON THE PLANS, AND WHERE SHOWN, ARE ONLY APPROXIMATE. THE CONTRACTOR SHALL, ON HIS OWN INITIATIVE AND AT NO EXTRA COST, LOCATE ALL UNDERGROUND LINES AND STRUCTURES AS REQUIRED FOR THE CONSTRUCTION OF THE PROPOSED PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DAMAGE TO ANY UNDERGROUND LINE OR STRUCTURE. THE CONTRACTOR SHALL NOTIFY THE COUNTY IMMEDIATELY IF THE LOCATION, DESCRIPTION, OR ELEVATION IS DIFFERENT FROM THAT SHOWN ON THE PLAN, OR IF THERE APPEARS TO BE A CONFLICT UPON THE DISCOVERY OF THE EXACT LOCATION, DESCRIPTION, AND ELEVATION OF ANY UNDERGROUND LINE OR STRUCTURE.

10. STAKE-OUT OF WORK SHALL BE PERFORMED BY A LAND SURVEYOR LICENSED IN THE STATE OF VIRGINIA.

11. THE CONTRACTOR IS REQUIRED TO APPLY FOR AND OBTAIN ALL PERMITS; INCLUDING VDOT, EROSION CONTROL, LAND DISTURBANCE, ETC. ALL TEMPORARY AND PERMANENT EASEMENTS SHALL BE OBTAINED BY THE OWNER.

12. ALL MATERIALS AND WORK PERFORMED WITHIN EXISTING VDOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE VIRGINIA DEPARTMENT OF HIGHWAYS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING PERMITS AND PERMISSIONS BEFORE WORK IS BEGUN, AND A COPY OF SUCH PERMITS OR PERMISSIONS SHALL BE FILED WITH THE COUNTY ADMINITRATOR BEFORE WORK IS BEGUN. THE CONTRACTOR SHALL ALSO FURNISH A RELEASE FROM THE VIRGINIA DEPARTMENT OF TRANSPORTATION BEFORE FINAL ACCEPTANCE OF THE WORK BY THE COUNTY.

13. FOR WATERLINE INSTALLATION WITHIN AN EXISTING VDOT RIGHT-OF-WAY; UTILITY CONTRACTORS MUST NOTIFY VDOT WHEN DISTURBING AREAS.

14. WATERLINE AND SANITARY FORCE MAIN SHALL BE INSTALLED WITH A MINIMUM COVER OF 3.5 FEET UNLESS OTHERWISE INDICATED ON THE PLANS.

15. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF THE VIRGINIA WATERWORKS REGULATIONS.

16. WHERE ROCK IS ENCOUNTERED AT THE BOTTOM OF THE TRENCH, BEDDING SHALL BE A MINIMUM OF 8 INCHES APPROVED GRANULAR MATERIAL.

17. ALL WATER MAINS SHALL BE PRESSURE TESTED IN ACCORDANCE WITH AWWA C600 SECTION 4 AND COUNTY REQUIREMENTS, DISINFECTED IN ACCORDANCE WITH AWWA C601 AND THE REQUIREMENTS OF THE VIRGINIA DEPARTMENT OF HEALTH, AND FLUSHED PRIOR TO BEING PLACED INTO SERVICE.

18. ALL VALVES ARE TO BE RODDED AND BLOCKED AS CLOSE TO TEES AND CROSSES AS POSSIBLE PER THE DETAILS IN THE PLAN DRAWINGS. ALL BENDS, FITTINGS, ETC. SHALL BE RESTRAINED BY CONCRETE THRUST BLOCKS.

19. ALL BURIED FITTINGS SHALL BE DUCTILE IRON MECHANICAL JOINT TYPE MIN. CLASS 52. ALL BURIED DUCTILE IRON WATER MAIN SHALL BE MINIMUM CLASS 52.

20. CONTRACTOR TO INSTALL PERMANANT ABOVE GROUND MARKERS AT ALL VALVES AND BLOW-OFFS NOT LOCATED WITHIN PAVEMENT.

## EROSION CONTROL NOTES – UTILITIES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH THE COUNTY'S EROSION AND SEDIMENT CONTROL STANDARDS.

2. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE "VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK" (VE&SCH), LATEST EDITION. THE CONTRACTOR SHALL OBTAIN A COPY OF THE HANDBOOK, IN WHICH THE SPECIFIC MEASURES ARE DESCRIBED IN THE MANNER THEY ARE TO BE APPLIED TO THE PROJECT.

3. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO OR DURING CLEARING, GRUBBING, AND/OR ROUGH GRADING ACTIVITIES.

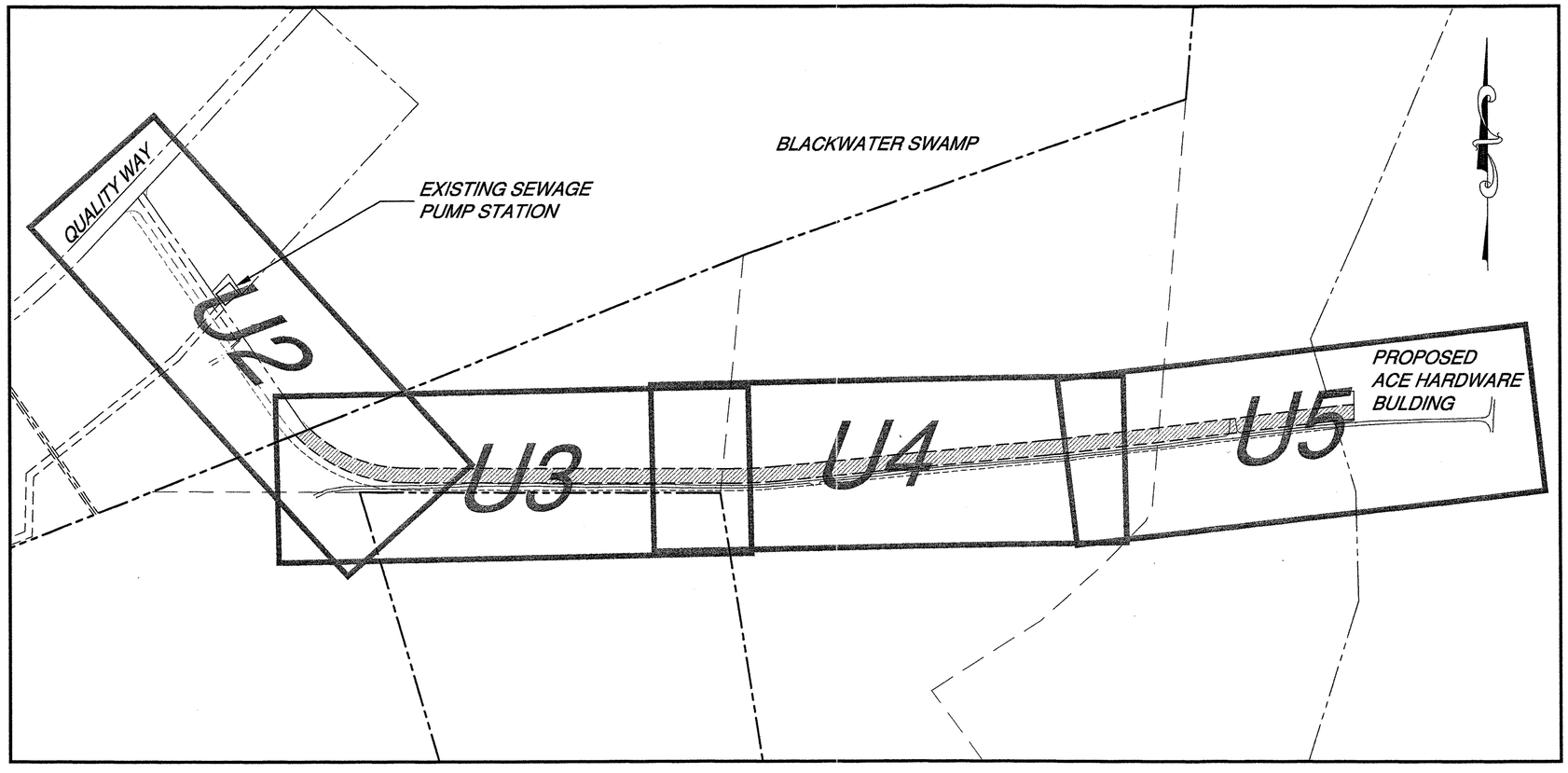
4. GRADED PORTIONS OF THE SITE NOT TO BE CONSTRUCTED UPON SHALL BE TOPSOILED AND SEEDED WITHIN 7 DAYS OF INITIAL GRADING.

5. WHEREVER POSSIBLE, NATURAL VEGETATION SHALL REMAIN INTACT TO AID IN EROSION CONTROL.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES.

7. AT COMPLETION OF CONSTRUCTION THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL MEASURES, AND SEED DISTURBED AREAS.

# UTILITY SHEET INDEX




NOT TO SCALE

COMMONWEALTH OF VIRGINIA
JEFFREY P. KAPINOS
No. 21876
8/15/00
PROFESSIONAL ENGINEER

R00223-NOTES.DWG

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| **Draper Aden Associates**<br>Blacksburg • Richmond, Virginia<br>Engineering • Surveying • Environmental Services | DESIGNED: AQN<br>CADD-TECH: AQN<br>CHECKED: JPK<br>DATE: 8-15-00 | **UTILITY NOTES AND SHEET INDEX**<br>SOUTHPOINT BUSINESS PARK ROAD AND UTILITY EXTENSION<br>PRINCE GEORGE COUNTY , VIRGINIA | REVISIONS: | SCALE: NOT TO SCALE<br>PROJECT No. R00223-04F | SHEET U1 |