GENERAL NOTES

- ALL CONSTRUCTION MATERIALS AND INSTALLATION SHALL BE SUPPLIED AND INSTALLED ACCORDING TO CONTRACT DOCUMENTS FOR THE DISPUTANTA SEWAGE COLLECTION SYSTEM IMPROVEMENTS, PRINCE GEORGE COUNTY, VIRGINIA
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE PRINCE GEORGE COUNTY 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.
- ALL BOUNDARY OR PROPERTY LINE MARKERS DISTURBED SHALL BE REPLACED IN THEIR ORIGINAL LOCATION AT NO ADDITIONAL COST.
- 4. 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.
- 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.
- 6. STAKE-OUT OF WORK SHALL BE PERFORMED BY A LAND SURVEYOR LICENSED IN THE STATE OF VIRGINIA. FIELD NOTES AND CUT SHEETS ARE TO BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT OF MANHOLES, PIPES, BORES, PUMP STATIONS OR OTHER STRUCTURES.
- THE NORFOLK DISTRICT OFFICE OF THE ARMY CORPS OF ENGINEERS WAS CONTACTED AND THE PORTIONS OF THIS PROJECT THAT WILL IMPACT WETLANDS ARE GOVERED UNDER A NATIONWIDE 12 PERMIT. THE CONTRACTOR SHALL RESPONSIBLE FOR COMPLYING WITH ALL PERMIT CONDITIONS IN ORDER TO MINIMIZE SOIL DISTURBANCE. THE TOP 6" TO 12" OF THE TRENCH SHALL BE BACKFILLED WITH TOPSOIL FROM THE TRENCH. EXCESS MATERIAL SHALL BE REMOVED IMMEDIATELY UPON COMPLETION OF CONSTRUCTION. EXISTING GRADES SHALL BE MAINTAINED UPON COMPLETION OF CONSTRUCTION. IN ADDITION TO DRAINAGE CROSSINGS, WETLANDS IMPACTS ARE EXPECTED IN THE FOLLOWING AREAS:

8-INCH FORCE MAIN ON SHEET 12 - 20:

STA. 13+50 TO 50+50 STA. 56+00 TO STA. 75+00 STA. 82+00 TO STA. 86+00

STA. 147+00 TO STA. 152+00

8-INCH GRAVITY SEWER ON SHEET 26 - 27:

STA. 10+50 TO STA. 39+80 STA. 41+00 TO STA. 45+50 STA. 46+50 TO STA. 55+00

4-INCH FORCE MAIN ON SHEET 35:

STA. 10+50 TO STA. 20+00

ALL MATERIALS AND WORK PERFORMED WITHIN EXISTING VDOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE VIRGINIA HIGHWAY PERMIT AND SUBJECT TO VDOT INSPECTION. THE CONTRACTOR SHALL PAY ALL COSTS ASSOCIATED WITH A VDOT INSPECTOR, IF REQUIRED.

- 9. FOR GRAVITY SEWER AND FORCE MAIN INSTALLATION WITHIN AN EXISTING VOOT RIGHT-OF-WAY; UTILITY CONTRACTORS MUST NOTIFY VDOT WHEN INSTALLATION BEGINS SO THAT DENSITY CAN BE TESTED (95% STANDARD PROCTOR @ OPTIMUM MOISTURE ± 20%) ON ALL DISTURBED AREAS.
- 10. SEWAGE FORCE MAIN SHALL BE INSTALLED WITH A MINIMUM COVER OF 3.0 FEET UNLESS OTHERWISE INDICATED ON THE PLANS.
- 11. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF THE SEWAGE COLLECTION AND TREATMENT REGULATIONS, VIRGINIA DEPARTMENT OF HEALTH.
- 12. NOT MORE THAN 500 FEET OF TRENCH SHALL BE DISTURBED AT ANY ONE TIME. RESTORATION OF THE TRENCH SHALL PROCEED IMMEDIATELY AFTER BACKFILL. PAYMENT FOR INSTALLATION OF GRAVITY SEWER AND FORCE MAIN SHALL NOT BE MADE UNTIL RESTORATION IS COMPLETE.
- 13. ALL SEWER LATERALS IN PAVED AREAS (ROAD AND/OR PARKING AREAS) SHALL BE INSTALLED PRIOR TO PAVEMENT RESTORATION.
- 14. ALL CONSTRUCTION ALONG OR IN ROADS THAT ARE SURFACE TREATED SHALL BE CONSTRUCTED WITH A RUBBER TIRE BACKHOE, FRONT END LOADER, ETC.
- 15. UNLESS OTHERWISE NOTED ON THE PLANS, ALL MANHOLES SHALL HAVE STANDARD MANHOLE FRAMES
- 16. ALL MANHOLE TOPS IN PAVED OR GRAVELED AREAS SHALL BE SET FLUSH WITH THE EXISTING OR FINAL GROUND ELEVATION. ALL MANHOLE TOPS IN EASEMENTS SHALL BE SET APPROXIMATELY 6 INCHES ABOVE THE EXISTING OR FINISHED GROUND ELEVATION AND GROUTED IN PLACE.
- 17. A MAXIMUM OF ONE HEIGHT ADJUSTMENT RING SHALL BE ALLOWED ON MANHOLES IN PAVED AREAS. NO ADJUSTMENT RINGS SHALL BE ALLOWED OUTSIDE OF PAVED AREAS.

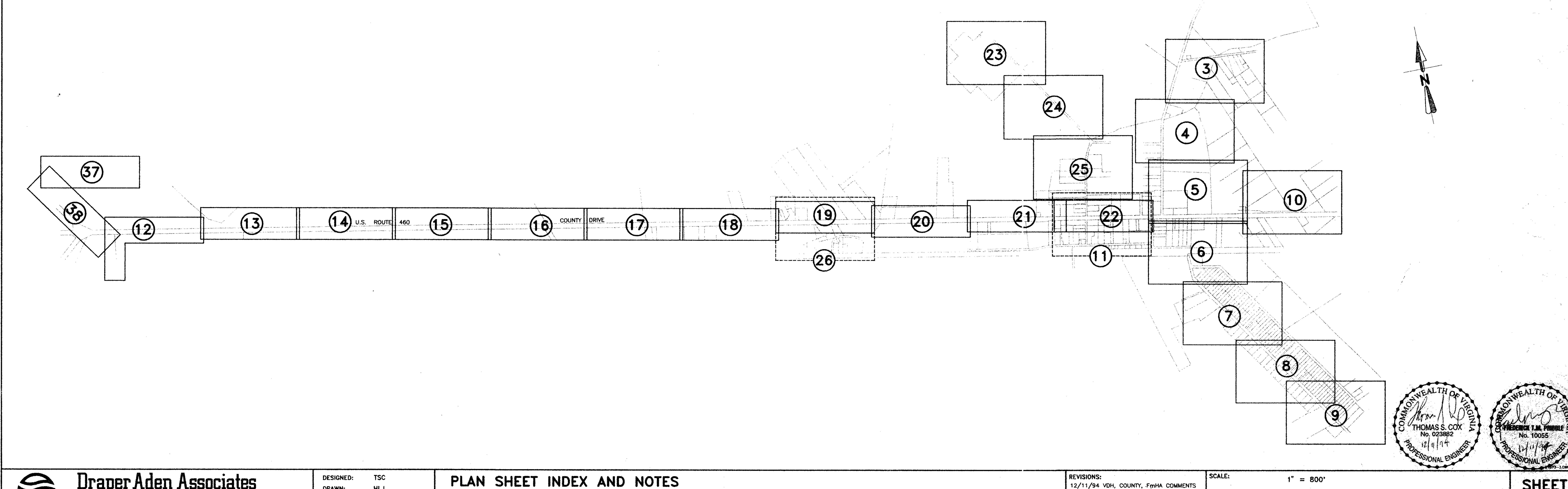
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH THE COUNTY'S EROSION AND SEDIMENT

- 18. THE CONTRACTOR SHALL NOTE THAT THERE ARE EXISTING UNDERGROUND TELEPHONE (BOTH COPPER AND FIBER OPTIC) AND POWER LINES AND SERVICES IN THE CONSTRUCTION AREA.
- CONTROL STANDARDS. 20. THE CONTRACTOR SHALL SUBMIT FOR REVIEW AND APPROVAL SHOP DRAWINGS ON ALL ELECTRICAL
- CONTROLS, VAULT ENCLOSURES, PUMPS, VALVES, ETC. CONSTRUCTION SHALL NOT COMMENCE UNTIL ALL SHOP DRAWINGS ARE APPROVED.
- 21. CONTRACTOR SHALL SUBMIT TO THE COUNTY FOR APPROVAL A NARRATIVE DETAILING THE SEQUENCE OF CONSTRUCTION.
- 22. THE CONTRACTOR SHALL COORDINATE WITH VIRGINIA POWER IN AREAS WHERE GUY WIRES ARE DISTURBED AND BRACING OF POLES IS REQUIRED FOR THE INSTALLATION OF GRAVITY SEWER AND FORCE MAIN.
- 23. THE CONTRACTOR SHALL MAKE PROVISIONS TO PROTECT OR REPLACE ALL EXISTING STRUCTURES INCLUDING BUT NOT LIMITED TO DRIVEWAYS, SIGNS, FENCES, CULVERTS, AND MAILBOXES.
- 24. THE FORCE MAIN MAY BE ADJUSTED TO MINIMIZE UTILITY CONFLICTS BASED UPON ACTUAL FIELD CONDITIONS WITH THE APPROVAL OF THE ENGINEER. ALL WORK WILL BE CONFINED WITHIN THE EXISTING RIGHT-OF-WAY. NO ADDITIONAL EASEMENTS WILL BE REQUIRED.
- 25. EXISTING UTILITIES SHALL BE RELOCATED AS REQUIRED.

- 26. A MINIMUM OF 1" OF SAWDUST OR SAND SHALL BE PLACE ON ANY ROAD SURFACE PRIOR TO SIDE
- 27. BORES MAY BE ADJUSTED BASED UPON ACTUAL FIELD CONDITIONS WITH THE PERMISSION OF THE ENGINEER.
- 28. CLEANOUTS SHALL BE SET AT THE PROPERTY LINE FOR ALL SEWER LATERALS.
- 29. A MINIMUM OF 2-INCH VDOT 21-A AGGREGATE BASE MATERIAL SHALL BE PLACED ON ALL DISTURBED SHOULDERS
- 30. ALL TRENCHES IN A ROAD SHOULDER WITHIN 5 FEET OF THE EDGE OF PAVEMENT SHALL BE BY CKFILLED TO FINAL GRADE WITH VOOT #21A AND COMPACTED TO 95 % OF MAXIMUM DENSITY AS DETAILED IN THESE
- 31. ALL PVC PIPE SHALL BE BEDDED IN COMPACTED STONE (3/4" CRUSHER RUN) TO AT LEAST 6 INCHES ABOVE THE TOP OF THE PIPE AS DETAILED IN THE PLAN DRAWINGS. WHERE DEPTH OF EXCAVATION EXCEEDS 14 FEET, STONE SHALL BE PLACED TO AT LEAST 12 INCHES ABOVE THE TOP OF THE PIPE.
- 32. FOR WORK PERFORMED IN EASEMENTS, ALL WOOD, DEBRIS, ETC. SHALL BE REMOVED AND DISPOSED OF PROPERLY UNLESS OTHERWISE DIRECTED BY THE PROPERTY OWNER.
- 33. CERTIFIED AS-BUILD DRAWINGS SHALL BE PROVIDED BY THE CONTRACTOR SHOWING FINAL HORIZONTAL. AND VERTICAL LOCATIONS WITH PERCENT GRADES AND DISTANCES BETWEEN STRUCTURES. AS-BUILT DRAWINGS SHALL BE PREPARED AND CERTIFIED BY A VIRGINIA LICENSED LAND SURVEYOR.

EROSION CONTROL NOTES

- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE "VIRGINIA" EROSION AND SEDIMENT CONTROL HANDBOOK" (VERSCH), 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.
- ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO OR DURING CLEARING, GRUBBING, AND/OR ROUGH GRADING ACTIVITIES.
- GRADED PORTIONS OF THE SITE NOT TO BE CONSTRUCTED UPON SHALL BE TOPSOILED AND SEEDED WITHIN 15 DAYS OF INITIAL GRADING.
- WHEREVER POSSIBLE, NATURAL VEGETATION SHALL REMAIN INTACT TO AID IN EROSION CONTROL
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES.
- 6 AT COMPLETION OF CONSTRUCTION THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL MEASURES, AND SEED DISTURBED AREAS.





CONSULTING ENGINEERS

CHECKED: 5/20/94

PLAN SHEET INDEX AND NOTES DISPUTANTA SEWAGE COLLECTION SYSTEM IMPROVEMENTS

PRINCE GEORGE COUNTY, VIRGINIA

SHEET 2 OF 45

T-21073 PLAN NO.