

# GENERAL CONSTRUCTION NOTES

CONSTRUCTION.

STRUCTURE.

- . ALL CONSTRUCTION MATERIALS AND INSTALLATION SHALL CONFORM TO CONTRACT DOCUMENTS FOR THE ROUTE 106 AND COMMONWEALTH ACRES WATER MAINS. COUNTY OF PRINCE GEORGE, VIRGINIA.
- . THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE COUNTY OF PRINCE GEORGE ENGINEER AND SCHEDULING A PRE-CONSTRUCTION MEETING AT LEAST 72 HOURS PRIOR TO STARTING ANY CONSTRUCTION ON THE PROJECT. ALL WORK SHALL BE SUBJECT TO INSPECTION BY THE COUNTY.
- THE CONTRACTOR SHALL CONTACT "MISS UTILITY" TOLL FREE AT 1-800-552-7001 AT LEAST 72 HOURS PRIOR TO THE START OF ANY
- . THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES ACROSS AND ALONG THE ROUTE OF THE PROPOSED WATER LINE 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 WATER LINE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DAMAGE TO ANY UNDERGROUND LINE OR STRUCTURE. THE CONTRACTOR SHALL CONTACT THE COUNTY IMMEDIATELY IF THE LOCATION OR ELEVATION IS DIFFERENT FROM THAT SHOWN ON THE PLAN OR IF THERE APPREARS TO BE A CONFLICT UPON THE DISCOVERY OF THE EXACT LOCATION AND ELEVATION OFF ANY UNDERGROUND LINE OR
- . ALL WORK ALONG THE STATE ROADS WILL BE IN ACCORDANCE WITH THE STATE HIGHWAY PERMIT AND SUBJECT TO INSPECTION BY THE VDOT INSPECTOR. THE CONTRACTOR SHALL PAY ALL COST ASSOCIATED WITH A VDOT INSPECTOR, IF REQUIRED.
- . ALL CONSTRUCTION WITHIN THE VIRGINIA POWER RIGHT-OF-WAY OR EASEMENT SHALL BE IN ACCORDANCE WITH ALL THE REQUIREMENTS SET BY VIRGINIA POWER,
- PRIOR TO EXCAVATION NEAR THE EXISTING GAS LINES, THE CONTRACTOR SHALL CONTACT COMMONWEALTH GAS PIPELINE AT 323-5400 48 HOURS PRIOR TO ANY EXCAVATION. AN INSPECTOR FROM THE GAS COMPANY WILL BE PRESENT DURING WORK AROUND THE EXISTING GAS LINE. ALL WORK IN THE AREA OF THE GAS LINE WILL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE COMMONWEALTH GAS PIPELINE COMPANY. IT SHOULD BE NOTED BY THE CONTRACTORS THAT THE GAS LINE IS CATHODICALLY PROTECTED.
- 3. ALL WATER LINE SHALL HAVE A MINIMUM COVER OF 3.5 FEET. ALL FIRE HYDRANT LATERALS CROSSING DITCH LINES SHALL HAVE A MINIMUM OF 3.5 FEET AT THE DITCH LINE.
- 9. ALL FIRE HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAIL SHOWN ON THE PLANS.
- 10. THE APPROXIMATE LOCATION OF SERVICE CONNECTIONS ARE SHOWN ON THE PLANS. THE ACTUAL LOCATION WILL BE DETERMINED DURING CONSTRUCTION BY THE COUNTY. IT IS INTENDED THAT ALL EXISTING BUILDINGS AND AND EXISTING SUBDIVISION LOTS BE SERVED. ALL SERVICES WILL BE COPPER, TYPE K, DRAWN TUBING. THE CONTRACTOR WILL SUPPLY ALL MATERIALS AND INSTALL THE SERVICE CONNECTION, COPPERSETTER, AND METER BOX. ALL WATER SERVICES THAT CROSS THE EXISTING ROAD SHALI
- 11. THE CONTRACTOR SHALL INSTALL IN ANY VALVE BOX WHERE THE VALVE IS DEEPER THAN 6 FEET, A REMOVABLE EXTENSION ADAPTABLE TO THE

BE BORED BY THE CONTRACTOR.

⇒ \* american blueprint of columbia

EXISTING VALVE KEYS USED BY THE COUNTY.

- AT ANY ONE TIME. RESTORATION OF THE TRENCH SHALL PROCEED IMMEDIATELY AFTER BACKFILL. PAYMENT FOR INSTALLATION OF WATER LINE SHALL NOT BE MADE UNTIL THE RESTORATION IS COMPLETE.
- 13. ALL BENDS, TEES, FITTINGS, ETC. SHALL BE BLOCKED AS PER DETAILS ON PLANS.
- 14. ALL TREES, SHRUBS, DEBRIS, ETC., REQUIRED TO BE REMOVED DUE TO THE INSTALLATION OF THE WATER LINE SHALL BE PROPERLY REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR. THE LOCATION OF TREES TO BE REMOVED SHALL BE APPROVED AND COORDINATED WITH THE COUNTY PRIOR TO THE START OF CONSTRUCTION.
- 15. ALL SERVICE CONNECTIONS IN PAVED AREAS (ROAD AND/OR PARKING AREAS) SHALL BE INSTALLED PRIOR TO THE PAVEMENT RESTORATION. ALL METER BOXES IN PAVED AREAS SHALL BE DESIGNED TO WITHSTAND TRAFFIC LOADS.
- 16. ALL CONSTRUCTION ALONG OR IN ROADS THAT ARE SURFACE TREATED SHALL BE CONSTRUCTED WITH A RUBBER TIRE BACKHOE, FRONT END LOADER, ETC.

#### EROSION AND SEDIMENTATION CONTROL NOTES

AFTER THE GRADING HAS BEEN COMPLETED.

AND MULCHED WITH HAY OR STRAW.

- CONTRACTOR SHALL INSTALL EROSION CONTROL DEVICES AS REQUIRED DURING CONSTRUCTION IN GENERAL CONFORMANCE WITH THE VIRGINIA EROSION AND SEDIMENTATION CONTROL HANDBOOK.
- ALL EROSION CONTROL DEVICES AND SILTATION CONTROL DEVICES SHALL BE PLACED PRIOR TO OR AS THE FIRST STEP IN THE CONSTRUCTION. ALL TEMPORARY EARTH BERMS, DIVERSION DAMS ARE TO BE MULCHED AND SEEDED FOR THE TEMPORARY VEGATATIVE COVER WITHIN TEN (10) DAYS
- 4. ANY DISTURBED AREA NOT PAVED, SODDED, OR BUILT UPON WITHIN THIRTY (30) DAYS SHALL BE SEEDED WITH OATS, ABRUZZI RYE, OR EQUIVALENT
- ALL STORM AND SANITARY SEWER LINES NOT IN THE STREETS ARE TO BE MULCHED AND SEEDED WITHIN FIFTEEN (15) DAYS AFTER BACKFILL.
- DURING CONSTRUCTION ALL STORM SEWER INLETS SHALL BE PROTECTED BY SILT TRAPS, MAINTAINED AND MODIFIED AS REQUIRED BY THE PROGRESS OF THE CONSTRUCTION.
- 7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSPECT ALL EROSION CONTROL DEVICES PERIODICALLY AND AFTER EVERY RAINFALL ANY NECESSARY REPAIR AND/OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY.
- DURING CONSTRUCTION, SHOULD THE PRINCE GEORGE COUNTY ENGINEER OR INSPECTOR REVEAL THE NEED FOR ADDITIONAL EROSION CONTROL DEVICES, THEY SHALL BE INSTALLED AT THE COUNTY'S DIRECTION.
- TEMPORARY STRAW BALES WILL BE USED AS DITCH CHECKS ALONG THE ROUTE OF THE WATER LINE WHERE REQUIRED AND DIRECTED BY THE COUNTY. THE TEMPORARY STRAW BALES SHALL BE INSTALLED IN ACCORDANCE WITH THE VIRGINIA EROSION AND SEDIMENTATION CONTROL HANDBOOK.
- 10. INLET AND OUTLET PROTECTION WILL BE REQUIRED ON ALL EXISTING DRAINAGE PIPES.

# NOTE TO CONTRACTOR

CONTRACTOR SHALL SUPPLY TO THE COUNTY AS PART OF THIS PROJECT ONE FISHER TW-770 LOCATOR. REQUIRED EQUIPMENT SHALL INCLUDE LOCATOR (TRANSMITTER & RECEIVER), COUPLING CLAMP AND HEAD PHONES.

## VIRGINIA DEPARTMENT OF TRANSPORTATION

- THE COUNTY OF PRINCE GEORGE WILL OBTAIN THE REQUIRED PERMIT FROM THE VIRGINIA DEPARTMENT OF TRANSPORTATION.
- ALL WORK ON THE STATE RIGHTS-OF-WAY SHALL BE CONDUCTED IN ACCORDANCE WITH THE PERMIT.
- NO MANHOLES, WATER VALVES, FIRE HYDRANTS, OR BLOW-OFFS SHALL BE INSTALLED WITHIN THE DITCHLINE OR THE FRONT OR BACK SLOPE. IF THIS CONDITION OCCURS THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY TO DETERMINE THE PROPER RELOCATION THAT WOULD BE REQUIRED.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RE-SHAPING ALL DITCH LINES DISTURBED BY THE CONSTRUCTION TO ASSURE PROPER DRAINAGE.
- ALL DITCHES SHALL HAVE 4" OF TOPSOIL PLACED ON BOTH THE FRONT AND BACK SLOPE PRIOR TO SEEDING AND MULCHING.
- 6. PRIOR TO FINAL PAYMENT, THE VDOT SHALL HAVE ISSUED THE STANDARD RELEASE FORM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK WITHIN THE STATE RIGHTS-OF-WAY FOR A PERIOD OF THREE YEARS.

### C & P UNDERGROUND CABLE

- THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL CABLES AND CONDUITS THAT RUN PARALLEL OR CROSS THE PROPOSED WATER LINE. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY IF THERE ARE ANY CONFLICTS WITH THE PROPOSED WATER LINE SO THAT PROPER ADJUSTMENTS CAN BE MADE.
- 2. AT ALL BORES (WATER MAIN AND SERVICE CONNECTION) CROSSING THE EXISTING ROADS THE C&P LINES MUST BE LOCATED AND THE DEPTH VERFIED BY THE CONTRACTOR AS A FIRST SET IN CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY IF THERE ARE ANY CONFLICTS WITH THE PROPOSED BORE SO THAT PROPER ADJUSTMENTS CAN BE MADE.

DRAPER - ADEN ASSOCIATES, INC.

CONSULTING ENGINEERS RICHMOND, VIRGINIA DRAWN CHECKED

2/26/89

DESIGNED FTP

COMMONWEALTH ACRES WATER MAINS PRINCE GEORGE COUNTY, VIRGINIA

INDEX MAP & NOTES

REVISIONS: REV. 8-15-95

SCALE:

1" = 500' PLAN Nº T - 21511

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