STA 29+00 TO STA 42+00 SHEET # 4 OF 15 STA 42+00 TO STA STA 61+00 SHEET # 5 OF 15 BEAZLEY SCHOOL STA 217+50 TO STA 231+35 SHEET # 12 OF 15 FORT LEE STA 88+00 TO STA 117+00 SHEET # 7 OF 15 COURTHOUSE STA 195+00 TO STA 217+50 SHEET # 11 OF 15 STA 146+00 TO STA 172+00 BEGIN PROJECT STA 0+00 TO STA 29+00 SHEET #3 OF 15 SHEET # 9 OF 15 STA 172+00 TO STA 195+00 STA 61+00 TO STA 88+00 SHEET # 6 OF 15 SHEET # 10 OF 15 STA 117+00 TO STA 146+00 SHEET # 8 OF 15 STATIONING

GENERAL CONSTRUCTION NOTES

STRUCTURE.

- ALL CONSTRUCTION MATERIALS AND INSTALLATION SHALL CONFORM TO CONTRACT DOCUMENTS FOR THE TEMPLE AVENUE WATER LINE EXTENSION, COUNTY OF PRINCE GEORGE, VIRGINIA.
- THE CONTRACTOR SHALL BE REPSONSIBLE 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 THE FORT LEE POST ENGINEER AT LEAST 48 HOURS PRIOR TO STARTING ANY CONSTRUCTION ON THE FORT LEE PROPERTY TO PROPERLY COORDINATE ALL WORK ON THE FORT LEE PROPERTY.
- THE CONTRACTOR SHALL CONTACT "MISS UTILITY" TOLL FREE AT 1-800-552-7001 AT LEAST 72 HOURS PRIOR TO THE START OF ANY CONSTRUCTION.
- THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES AGROSS AND ALONG THE ROUTE OF THE PROPOSED WATER LINE ARE NOT NECESSARILY 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 APPEARS TO BE A CONFLICT UPON THE DISCOVERY OF THE EXACT LOCATION AND ELEVATION OF ANY UNDERGROUND LINE OR
- 6. 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 12" GAS LINE. 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 CONTRACTOR THAT THE GAS LINE IS CATHODICALLY
- 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.
- 10. ALL FIRE HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAIL SHOWN ON THE PLANS.
- 11. 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 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 SHALL BE BORED BY THE CONTRACTOR.
- 12. THE CONTRACTOR SHALL INSTALL IN ANY VALVE BOX WHERE THE VALVE IS DEEPER THAN 6 FEET, A REMOVABLE EXTENSION ADAPTABLE TO THE EXISTING VALVE KEYS USED BY THE COUNTY.
- 13. NOT MORE THAN 500 FEET OF WATER LINE TRENCH SHALL BE DISTURBED 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.
- 14. ALL BENDS, TEES, FITTINGS, ETC. SHALL BE BLOCKED AS PER DETAILS ON PLANS.
- 15. ALL PARKING AREAS AND PAVED AREAS DISTURBED DURING THE CONSTRUCTION SHALL BE REPAIRED WITHIN ONE (1) WEEK OF THE INSTALLATION AND BACKFILL OF THE WATER LINE. "COLD PATCH" WILL BE ALLOWED AS A TEMPORARY METHOD FOR THE REPAIR OF THE DISTURBED PAVEMENT. REFER TO SECTION 02200 - 3.13 OF THE SPECIFICATIONS.
- 16. 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.
- 17. 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

EROSION AND SEDIMENTATION CONTROL NOTES

- 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 TEMPORARY VEGETATIVE COVER WITHIN TEN (10) DAYS AFTER THE GRADING HAS BEEN COMPLETED.
- 4. ANY DISTURBED AREA NOT PAVED, SODDED, OR BUILT UPON WITHIN THIRTY (30) DAYS SHALL BE SEEDED WITH OATS, ABRUZZI RYE, OR EQUIVALENT AND MULCHED WITH HAY OR STRAW.
- . 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.
- 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.

C & P UNDERGROUND CABLE

APPROXIMATELY FROM STATION 82+40 TO STATION 138+00 THERE IS A SINGLE BURIED CABLE APPROXIMATELY 2.5 FEET DEEP THAT RUNS PARALLEL TO THE PROPOSED WATER LINE. APPROXIMATELY FROM STATION 168+00 TO STATION 191+00 THERE IS A FOUR WAY 4" CONDUIT APPROXIMATELY 4' DEEP THAT RUNS PARALLEL TO THE PROPOSED WATER LINE. ALONG THE ROUTE OF THE WATER LINE THERE ARE SEVERAL LOCATIONS WHERE THE CLP CABLES CROSS THE PROPOSED LINE. 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. AT ALL BORES (WATER MAIN AND SERVICE CONNECTION) CROSSING THE EXISTING ROADS THE CLP LINES MUST BE LOCATED AND THE DEPTH

VERFIED BY THE CONTRACTOR AS A FIRST SET IN CONSTRUCTION. THE

WITH THE PROPOSED BORE SO THAT PROPER ADJUSTMENTS CAN BE MADE.

ENGINEER SHALL BE NOTIFIED IMMEDIATELY IF THERE ARE ANY CONFLICTS

VIRGINIA POWER EASEMENTS

ALL CONSTRUCTION WITHIN THE EASEMENTS AND RIGHTS-OF-WAY OF VIRGINIA POWER SHALL BE IN ACCORDANCE WITH ALL THE REQUIREMENTS SET FORTH BY VIRGINIA POWER. VIRGINIA POWER DISTRICT MANAGER SHALL BE NOTIFIED FIVE DAYS PRIOR TO THE START OF ANY CONSTRUCTION WITHIN THE RIGHTS-OF-WAY OR EASEMENTS OF VIRGINIA POWER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING ALL COST ASSOCIATED WITH A VIRGINIA POWER INSPECTOR ON THE PROJECT IF REQUIRED. THE CONTRACTOR SHALL PLACE PERMANENT IDENTIFYING MARKERS DIRECTLY OVER THE WATER MAIN AT ALL POINTS AT WHICH THE WATER MAIN ENTERS AND LEAVES THE RIGHT-OF WAY AND AT ALL BENDS WHERE THE WATER MAIN RUNS PARALLEL TO THE RIGHT-OF-WAY. IF BLASTING IS REQUIRED. THE CONTRACTOR SHALL USE A MINIMUM AMOUNT OF EXPLOSIVE AND MATTING MUST BE USED. THE CONTRACTOR SHALL NOT USE EQUIPMENT WITH WIRE CABLES. THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 15 FEET BETWEEN

STRUCTURE OR GUY WIRE.

THE ELECTRICAL CONDUCTORS AND HIS EQUIPMENT.

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. 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.

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 PEROID OF THREE

THERE WILL BE NO EXCAVATION WITHIN 15 FEET OF A POLE,

LEGEND

EXISTING VALVE PROPOSED VALVE FIRE HYDRANT MANHOLE WATER METER

BLOW - OFF VALVE MAILBOX, SIGN, OR LIGHT POWER POLE

RIP RAP SILT FENCE

> SEDIMENT TRAP STRAW BALES

TREES

EXISTING WATER MAIN -----PROPOSED WATER MAIN

RIGHT OF WAY PROPERTY LINE

> FORCE MAIN TEMPORARY CONSTRUCTION EASEMENT

PERMANENT EASEMENT SANITARY SEWER STORM SEWER

> UNDERGROUND TELEPHONE LINE UNDERGROUND ELECTRIC LINE

GAS LINE



DRAPER - ADEN ASSOCIATES, INC.

CONSULTING ENGINEERS RICHMOND, VIRGINIA DESIGNED DRAWN CHECKED DATE MWS, MLH

TEMPLE AVENUE WATER LINE EXTENSION COUNTY OF PRINCE GEORGE, VIRGINIA

REVISIONS 3/8/88

WATER SERVICE CONNECTIONS

34" SERVICE; 5/8" X 3/4" METER

-- 2" SERVICE; I" METER

→ I"SERV CE; 25 METER

SERVICE; I" METER

SCALE: AS NOTED

_____X ____X ____X

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SHEET 2 OF 17

PLAN Nº T - 20057