

SHEET INDEX:

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7. DETAILS

GENERAL NOTES

1. THESE PLANS HAVE BEEN PREPARED BY DRAPER ADEN ASSOCIATES, 4130 WINDLAKE DRIVE, GLEN ALLEN, VIRGINIA 22060, TELEPHONE (804)775-7875.
2. TAX MAP INFORMATION: PARCELS CAN BE FOUND ON TAX MAP 32-2
3. GENERAL INFORMATION:
AREA OF RIGHT-OF-WAY: 5.082 ACRES
BMP "A" AREA: 3.289 ACRES
BMP "B" AREA: 1.307 ACRES
DISTURBED AREA: 7.9 ACRES
4. ZONING INFORMATION: THE PROJECT AREA IS ZONED R-3
5. THE ON-SITE TOPOGRAPHY SHOWN ON THE PLANS IS PROVIDED BY DRAPER ADEN ASSOCIATES AND COUNTY WATER AND SEWER PLANS.
6. THE ENTIRE DEVELOPMENT HAS BEEN DEDICATED AS A RESOURCE MANAGEMENT AREA UNDER JAMES CITY COUNTY'S CHESAPEAKE BAY PRESERVATION ORDINANCE. ACCORDING TO NMI MAPS, THIS SITE CONTAINS NO WETLANDS, AND THERE ARE NO SLOPES GREATER THAN 25%.
7. VDOT IS NOT RESPONSIBLE FOR THE MAINTENANCE OF THE STORMWATER MANAGEMENT/BMP FACILITIES.
8. DUE TO FUTURE SIGHT DISTANCE PROBLEMS, NO BUSHES SHALL EXCEED 18" AND ALL TREES MUST BE TRIMMED AND LIMBED TO A MAXIMUM HEIGHT OF 8' WITHIN THE LINE OF SIGHT.

GENERAL CONSTRUCTION NOTES

1. THE LOCATION OF EXISTING UNDERGROUND UTILITIES SHOWN ON THESE PLANS IS BASED ON AVAILABLE RECORDS. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO THE START OF CONSTRUCTION AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCY IN THE INFORMATION SHOWN ON THESE PLANS. THE CONTRACTOR SHALL CONTACT XCS UTILITY AT 1-800-553-7001 PRIOR TO BEGINNING ANY EXCAVATION OR EARTHWORK. "X" FITS SHALL BE DONE BY HAND WHERE SHOWN ON THE PLANS AND AS IS REQUIRED BASED ON FIELD CONDITIONS.
2. CUT AND FILL SLOPES SHALL NOT EXCEED A SLOPE OF 2:1 (50 PERCENT GRADE).
3. ALL DISTURBED RIGHT-OF-WAY MONUMENTS ARE TO BE REPLACED BY A CERTIFIED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.
4. BURNING IS NOT ALLOWED WITHIN 25 FEET OF EXISTING UTILITIES.
5. ALL DISTURBED AREAS NOT OTHERWISE STABILIZED ARE TO HAVE 4" OF TOP SOIL PLACED AND BE PERMANENTLY SEEDED AND MULCHED IN ACCORDANCE WITH THE SPECIFICATIONS.
6. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE RELOCATION OF ALL TELEPHONE PEDESTALS WITHIN THE RIGHT OF WAY WITH THE TELEPHONE COMPANY, AT THE OWNERS EXPENSE.

DRAINAGE

1. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO CURRENT VDOT STANDARDS AND SPECIFICATIONS.
2. ALL DRAINAGE STRUCTURES CALLED OUT ON THE PLANS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH VDOT ROAD AND BRIDGE STANDARDS AND SPECIFICATIONS.
3. WHERE STANDARD VDOT CAST-IN-PLACE DRAINAGE STRUCTURES ARE CALLED FOR ON THE PLANS, THE CONTRACTOR MAY SUBSTITUTE VDOT APPROVED PRECAST CONCRETE DRAINAGE STRUCTURES WHERE APPROPRIATE. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THAT ALL INVERT ELEVATIONS SHOWN ON THE PLANS CAN BE MET BY ANY PRECAST STRUCTURES USED ON THE PROJECT.
4. ALL STORM SEWER PIPE IS TO BE ASTM C78 CLASS III REINFORCED CONCRETE PIPE UNLESS OTHERWISE NOTED ON THE PLANS.

ROADWAYS

1. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO CURRENT VDOT STANDARDS AND SPECIFICATIONS.
2. EXTEND ALL STORM SEWERS FROM A STRUCTURE TO INTERCEPT AND CONTAIN SPRINGS AND SEASONAL WATER TABLE. ALL SPRINGS SHALL BE CAPPED WITH A VDOT STANDARD 50-1 UNIT.
3. WHERE PLANS CALL FOR MATCHING EXISTING PAVEMENT THE CONTRACTOR SHALL PROVIDE CUT JOINT AND/OR ASPHALT OVERLAY AS DIRECTED BY VDOT.
4. VDOT STANDARD STOP SIGNS ARE TO BE PROVIDED AT ALL STREET INTERSECTIONS AS SHOWN ON THE PLANS.
5. COUNTY STANDARD STREET SIGNS SHALL BE PROVIDED AT ALL STREET INTERSECTIONS AS SHOWN ON THE PLANS. THE SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH VDOT STANDARDS.
6. PAVEMENT STRIPING AND MARKING IS NOT REQUIRED.
7. A PRIME COAT MUST BE APPLIED TO THE ROAD BASE AGGREGATE PRIOR TO THE APPLICATION OF SMA-2A (PRIME COAT FC-250, 0.30 GALLONS PER SQUARE YARD).
8. WHEN GRADES ARE GREATER THAN 3% OR LESS THAN 1% AND WATER STANDS IN THE DITCH OR THE DITCHES WILL NOT HOLD VEGETATION, THEN PAVED DITCHES SHALL BE INSTALLED.
9. CONTACT VDOT FOR SOIL AND AGGREGATE BASE INSPECTIONS AT LEAST 24 HOURS BEFORE THE PLACEMENT OF AGGREGATE BASE AND PAVEMENT, RESPECTIVELY.

WATER SYSTEM

1. ALL COMPONENTS OF THE WATER DISTRIBUTION SYSTEM SHALL BE INSTALLED AND TESTED IN ACCORDANCE WITH THE LATEST EDITION OF THE JAMES CITY SERVICE AUTHORITY STANDARDS AND SPECIFICATIONS FOR WATER DISTRIBUTION SYSTEMS AND THE VIRGINIA WATERWORKS REGULATIONS.
2. THE DEVELOPER'S REPRESENTATIVE SHALL SUBMIT A LIST OF MATERIALS FOR APPROVAL TO THE JAMES CITY SERVICE AUTHORITY PRIOR TO COMMENCEMENT OF CONSTRUCTION.
3. ANY CHANGES TO THE FINAL PLANS SHALL BE APPROVED BY THE JAMES CITY SERVICE AUTHORITY AND SHALL BE ACCURATELY INDICATED ON THE AS-BUILT DRAWINGS.
4. THE WATER MAIN CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS, AND ORDERS OF ANY PUBLIC BODY HAVING JURISDICTION. HE SHALL ERECT AND MAINTAIN, AS REQUIRED BY THE CONDITIONS AND PRIORITIES OF THE WORK, ALL NECESSARY SAFEGUARDS FOR SAFETY AND PROTECTION. HE SHALL ALSO NOTIFY "XCS UTILITY" PRIOR TO PERFORMING ANY UNDERGROUND EXCAVATION.

SANITARY SEWER SYSTEM

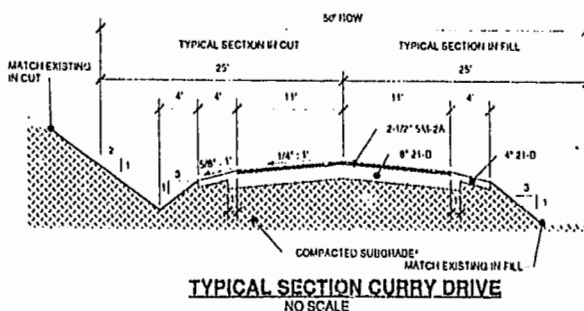
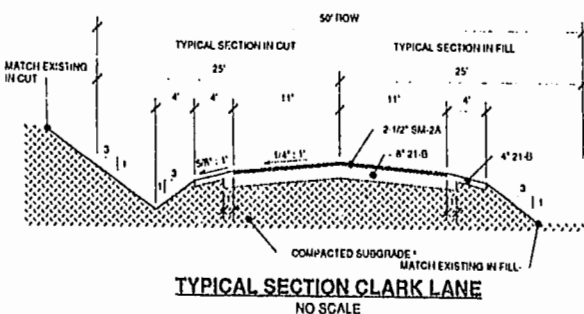
1. ALL MATERIALS AND CONSTRUCTION SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE JAMES CITY SERVICE AUTHORITY STANDARDS AND SPECIFICATIONS FOR WATER DISTRIBUTION SYSTEMS. TESTING SHALL BE IN ACCORDANCE WITH SECTION 1.03 OF THE JAMES CITY SERVICE AUTHORITY STANDARDS AND SPECIFICATIONS FOR SANITARY SEWER SYSTEMS.
2. THE DEVELOPER'S REPRESENTATIVE SHALL SUBMIT A LIST OF MATERIALS FOR APPROVAL TO THE JAMES CITY SERVICE AUTHORITY PRIOR TO COMMENCEMENT OF CONSTRUCTION.
3. ANY CHANGES TO THE FINAL PLANS SHALL BE APPROVED BY THE JAMES CITY SERVICE AUTHORITY AND SHALL BE ACCURATELY INDICATED ON THE AS-BUILT DRAWINGS.
4. ALL RESET MANHOLE RINGS ARE TO CONFORM TO JCSA STANDARDS AND SPECIFICATIONS.

STORMWATER MANAGEMENT AND BMP

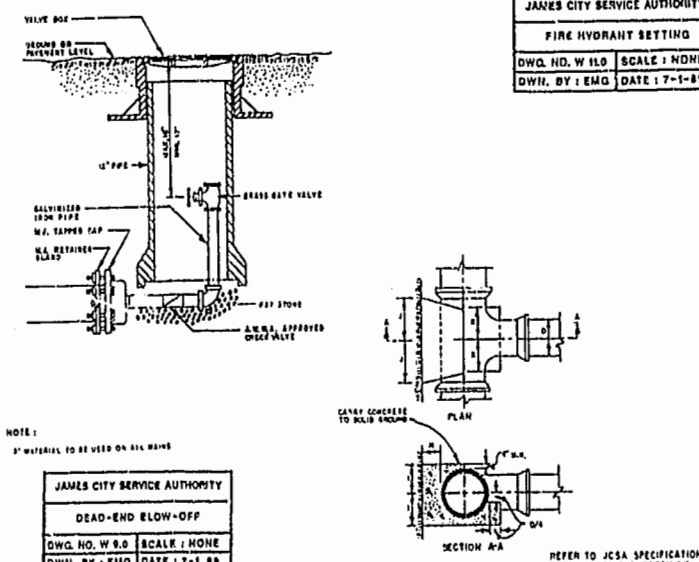
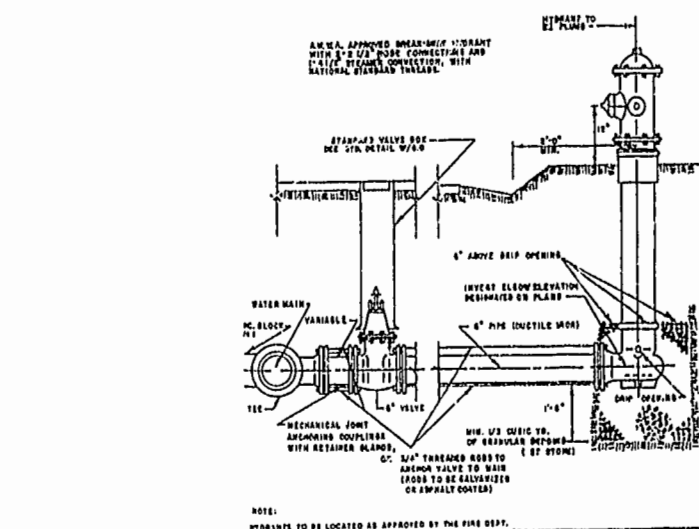
1. STORMWATER MANAGEMENT AND STORMWATER QUALITY (BMP) FOR THE PROJECT IS BEING PROVIDED BY TWO STORMWATER MANAGEMENT/BMP FACILITIES. THESE FACILITIES HAVE BEEN DESIGNED BY JAMES CITY COUNTY.

STREET LIGHTS

1. THE OWNER WILL CONTRACT WITH VIRGINIA POWER DIRECTLY TO INSTALL ALL STREET LIGHTS. THE STREET LIGHTS ARE NOT PART OF THIS CONTRACT.

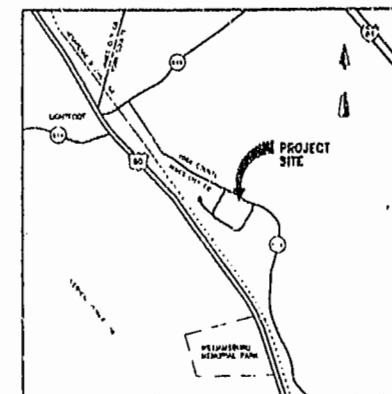


*NOTE: IT IS ANTICIPATED THAT ONE (1) TO FIVE (5) FEET OF LOOSE SANDS AND SOFT CLAYS WILL HAVE TO BE REMOVED TO OBTAIN SUITABLE SUBGRADE MATERIAL. THE OWNER RETAINED GEOTECHNICAL ENGINEER WILL MAKE THE FINAL DECISION ON SITE. FILL FOR SUBGRADE IS TO BE COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698, STANDARD PROCTOR.



| SIC OF MATCH | | | | | | | | | |
|--------------|----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0 | 6" | 8" | 10" | 12" | 14" | 16" | 18" | 20" | 24" |
| H | 8" | 9" | 10" | 11" | 12" | 13" | 14" | 15" | 16" |
| I | 8" | 10" | 11" | 12" | 13" | 14" | 15" | 16" | 17" |
| J | 8" | 8" | 10" | 11" | 12" | 13" | 14" | 15" | 16" |
| K | 6" | 8" | 8" | 8" | 10" | 11" | 12" | 13" | 14" |

| JAMES CITY SERVICE AUTHORITY BUTTRESS FOR TEES | |
|--|--------------|
| DWG. NO. 4.1 | SCALE: NONE |
| DWN. BY: EMG | DATE: 7-1-89 |



VICINITY MAP
NOT TO SCALE

LEGEND:

EXISTING FEATURES:

- DROP INLET & STORM SEWER
- STORM SEWER MANHOLE
- SANITARY SEWER & MANHOLE
- CLEAROUT
- WATERLINE
- WATER VALVE
- WATER METER
- FIRE HYDRANT
- WELL (POTABLE)
- GAS LINE
- GAS VALVE
- TELEPHONE PEDESTAL
- POWER POLE
- LIGHT POLE / STREET LAMP
- CONTOUR LINE
- TREE LINE
- OVERHEAD POWER

PROPOSED FEATURES:

- DROP INLET & STORM SEWER
- STORM SEWER MANHOLE
- SANITARY SEWER & MANHOLE
- CLEAROUT
- WATERLINE
- WATER VALVE
- WATER METER
- CHECK VALVE
- FIRE HYDRANT
- CONTOUR LINE
- LIGHT POLE
- LIMITS OF CLEARING & GRADING
- CHECK DAM
- DIVERSION DIRT
- CHECK DAM
- INLET PROTECTION
- SEDIMENT TRAP
- SILT FENCE
- OUTLET PROTECTION
- DIVERGENT INLET PROTECTION

12:17 PM
Recorded 24 day of May 1995
B.B. No. 339 - pages 62
W. B. B. Clerk



Draper Aden Associates
CONSULTING ENGINEERS

BLACKSBURG, VIRGINIA - RICHMOND, VIRGINIA - NASHVILLE, TENNESSEE

DESIGNED: GVS
DRAWN: GD
CHECKED: SPH
DATE: 6-1-94

COVER SHEET
MOORETOWN ROAD NEIGHBORHOOD IMPROVEMENTS
JAMES CITY COUNTY, VIRGINIA

PLAT RECORDED IN
P.B. NO. 601 PAGE 69-75

REVISIONS:
8-10-84 PER COUNTY CLERK
11-10-84 PER COUNTY CLERK
12-8-84 PER COUNTY CLERK

SCALE: AS NOTED

PLAN NO. T-21086

SHEET
1 OF 7