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WATER & SEWER GENERAL NOTES

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	24	0581-128-310, RW-201, C-501	18

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

CONSTRUCTION NOTES - SEWER

1. THE CONTRACTOR SHALL COORDINATE THE CHANGEOVER OF SANITARY SEWER FACILITIES WITH WESTERN VIRGINIA WATER AUTHORITY (WVWA) 48 HOURS PRIOR TO CHANGEOVER. THE CONTRACTOR SHALL NOTIFY MARK SINK AT (540) 537-3460 PRIOR TO BEGINNING WORK ON THE SANITARY SEWER.
2. INSPECTION AND APPROVAL OF ALL WORK AND MATERIALS PERTAINING TO SANITARY SEWER SHALL BE UNDER THE JURISDICTION OF THE WESTERN VIRGINIA WATER AUTHORITY.
3. ALL SEWER LINES AND CONSTRUCTION THEREOF SHALL COMPLY WITH THE STANDARDS AND SPECIFICATIONS OF THE WESTERN VIRGINIA WATER AUTHORITY AND THE VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY.
4. USE APPLICABLE STANDARD DETAILS FROM THE WESTERN VIRGINIA REGIONAL DESIGN AND CONSTRUCTION STANDARDS, LATEST EDITION.
5. SEWER IMPROVEMENTS WILL NOT BE ACCEPTED UNTIL THE CITY APPROVES AS-BUILT DRAWINGS.
6. ALL SERVICE INTERRUPTIONS TO EXISTING WATER AND SEWER CUSTOMERS SHALL BE APPROVED BY AND COORDINATED WITH THE UTILITY INSPECTOR. ALL SERVICE INTERRUPTIONS TO EXISTING CUSTOMERS WILL REQUIRE A MINIMUM OF 48 HOURS NOTICE.
7. ALL SEWER LINES WITH LESS THAN THREE (3) FEET OF COVER OR MORE THAN TEN (10) FEET OF COVER SHALL BE CONSTRUCTED OF CLASS 350 DUCTILE IRON CONFORMING TO AWWA C151. IT SHALL BE LINED WITH CEMENT MORTAR IN ACCORDANCE WITH AWWA C104. ALL DUCTILE IRON SEWER PIPE SHALL BE LINED WITH PROTECTO 401 EPOXY OR APPROVED EQUAL.
8. THERE SHALL BE A 10' HORIZONTAL SEPARATION BETWEEN WATER LINES AND SEWER LINES, AND A VERTICAL SEPARATION OF 18" BETWEEN THE BOTTOM OF THE WATER MAIN AND THE TOP OF THE SEWER. THIS APPLIES TO HOUSE SEWER LATERALS ALSO.
9. ALL SEWER SELECT BACKFILL, STRUCTURAL BACKFILL, AND PIPE BEDDING MATERIAL SHALL BE COMPACTED TO 95% VTM-1 MAXIMUM DRY DENSITY. ALL CONTROLLED FILL IN TRENCHES UNDER PAVEMENT SHALL BE COMPACTED TO 95% VTM-1 MAXIMUM DRY DENSITY.
10. CONTRACTOR SHALL RETURN ALL OLD FRAME AND COVERS TO WESTERN VIRGINIA WATER AUTHORITY.
11. CONTRACTOR SHALL INSTALL CLEANOUT CAPS INVERT ON ALL NEW SANITARY SEWER LATERALS.
12. EXISTING SANITARY SEWER MAINS WITHIN THE PROJECT LIMITS THAT ARE NOT BEING REPLACED OR REHABILITATED, SHALL BE CCTV INSPECTED AFTER THE COMPLETION OF THE ROADWAY.

CONSTRUCTION NOTES - WATER

1. A PRECONSTRUCTION CONFERENCE SHALL BE HELD ON ALL WATER AND SEWER PROJECTS AT LEAST TWO DAYS PRIOR TO ANY CONSTRUCTION WORK BEING PERFORMED. THE CONTRACTOR SHALL HAVE A REPRESENTATIVE OF APPROPRIATE AUTHORITY AT THIS MEETING. PRIOR TO THE START OF CONSTRUCTION, CONTRACTOR MUST HAVE AN APPROVED SET OF CONSTRUCTION DOCUMENTS ON SITE.
2. FOR THE EXISTING SERVICES TO BE REPLACED OR ABANDONED, THE CONTRACTOR SHALL ABANDON THE WATER SERVICE BY SHUTTING OFF THE CORPORATION STOP AT THE WATER MAIN AND REMOVE THE SERVICE LINE FROM THE WATER MAIN. WESTERN VIRGINIA WATER AUTHORITY (WVWA) WILL MAKE THE TAP AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR WILL PROVIDE PROPER SHORING AND ALL MATERIALS NECESSARY TO MAKE THE TAP. THE CONTRACTOR SHALL NOTIFY MARK SINK AT (540) 537-3460 PRIOR TO BEGINNING WORK ON THE WATER.
3. CONTACT DAVID VOGELSONG AT THE WESTERN VIRGINIA WATER AUTHORITY AT 540-853-5688, 72 HOURS BEFORE BEGINNING WORK ON WATER UTILITIES, INCLUDING SERVICE TAPS. CONTACT MISS UTILITY 72 HOURS IN ADVANCE OF ANY EXCAVATION WORK, AS PROVIDED FOR BY LAW.
4. INSPECTION AND APPROVAL OF ALL WORK AND MATERIALS PERTAINING TO WATER SHALL BE UNDER THE JURISDICTION OF THE WESTERN VIRGINIA WATER AUTHORITY.
5. ALL WATER LINES AND CONSTRUCTION THEREOF SHALL COMPLY WITH THE STANDARDS AND SPECIFICATIONS OF THE WESTERN VIRGINIA WATER AUTHORITY AND THE VIRGINIA DEPARTMENT OF HEALTH.
6. USE APPLICABLE STANDARD DETAILS FROM THE WESTERN VIRGINIA REGIONAL DESIGN AND CONSTRUCTION STANDARDS, LATEST EDITION.
7. WATER IMPROVEMENTS WILL NOT BE ACCEPTED UNTIL THE CITY APPROVES AS-BUILT DRAWINGS.
8. ALL SERVICES INTERRUPTIONS TO EXISTING WATER AND SEWER CUSTOMERS SHALL BE APPROVED BY AND COORDINATED WITH THE UTILITY INSPECTOR. ALL SERVICE INTERRUPTIONS TO EXISTING CUSTOMERS WILL REQUIRE A MINIMUM OF 48 HOURS NOTICE.
9. ALL WATER MAINS SHALL HAVE MINIMUM 36" COVER, UNLESS OTHERWISE STATED.
10. THERE SHALL BE A 10' HORIZONTAL SEPARATION BETWEEN WATER LINES AND SEWER LINES, AND A VERTICAL SEPARATION OF 18" BETWEEN THE BOTTOM OF THE WATER MAIN AND THE TOP OF THE SEWER, UNLESS OTHERWISE REQUESTED BY WESTERN VIRGINIA WATER AUTHORITY. THIS APPLIES TO HOUSE SEWER LATERALS ALSO.
11. ALL WATERLINE SELECT BACKFILL, STRUCTURAL BACKFILL, AND PIPE BEDDING MATERIAL SHALL BE COMPACTED TO 95% VTM-1 MAXIMUM DRY DENSITY. ALL CONTROLLED FILL IN TRENCHES UNDER PAVEMENT SHALL BE COMPACTED TO 95% VTM-1 MAXIMUM DRY DENSITY.



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