

RIGHT OF WAY STANDARD SITE PLAN NOTES

EXCAVATION AND RESTORATION IN THE RIGHT OF WAY:

- 1. ALL WORK WITHIN THE RIGHT OF WAY SHALL COMPLY WITH THE CITY OF NORFOLK RIGHT OF WAY EXCAVATION & RESTORATION MANUAL, (ORDINANCE NO. 40,778), DEPARTMENT OF PUBLIC WORKS RIGHT-OF-WAY DIVISION. DOWNLOAD AT HTTP://WWW.NORFOLK.GOV/DOCUMENTCENTER/VIEW/779. IT IS IMPORTANT THAT CONTRACTORS FAMILIARIZE THEMSELVES WITH THE REQUIREMENTS OUTLINED IN THE MANUAL. FAILURE TO DO SO MAY IMPACT PROJECT COSTS. ALSO SEE "OTHER" IN THIS SECTION. EXCEPTIONS MAY BE PERMITTED. A REVIEW MEETING WITH RIGHT OF WAY IS REQUIRED. PLEASE CONTACT PUBLIC WORKS AT PWROW@NORFOLK.GOV TO SCHEDULE.
2. ALL WORK WITHIN THE RIGHT OF WAY SHALL COMPLY WITH THE CITY OF NORFOLK DESIGN STANDARDS. DOWNLOAD AT HTTP://WWW.NORFOLK.GOV/INDEX.ASPX?NID=819. EXCEPTIONS MAY BE PERMITTED. A REVIEW MEETING WITH RIGHT OF WAY IS REQUIRED. PLEASE CONTACT PUBLIC WORKS AT PWROW@NORFOLK.GOV TO SCHEDULE.
3. FLOWABLE FILL IS NOT AN APPROVED MATERIAL FOR USE IN THE CITY OF NORFOLK FOR BACKFILL WITHOUT PRIOR APPROVAL. THE SELECT MATERIAL AND 21A STONE WILL BE IN ACCORDANCE WITH THE 2002 VDOT ROAD AND BRIDGE SPECIFICATIONS. FOR BACKFILL AROUND THE PIPE USE SELECT MATERIAL (SECTION 207) - TYPE I AND 20 CBR COMPACTION. FOR THE SUB BASE MATERIAL USE 6" MIN. VDOT 21A STONE IN ACCORDANCE TO SECTION 208.
4. NEW DEVELOPMENTS, CONSTRUCTION, AND ADDITIONS REQUIRE NEW SIDEWALK, CURB, GUTTER, AND DRIVEWAYS. EXCEPTIONS MAY BE PERMITTED. A REVIEW MEETING WITH RIGHT OF WAY IS REQUIRED. PLEASE CONTACT PUBLIC WORKS AT PWROW@NORFOLK.GOV TO SCHEDULE.
5. IF APPROVED BY RIGHT-OF-WAY, WHEN THE CONTRACTORS WORK REQUIRES THE SAWCUTTING AND/OR PARTIAL DEMOLITION AND/OR REMOVAL OF ANY SECTION OF AN EXISTING APRON OR SIDEWALK, THE CONTRACTOR WILL BE REQUIRED TO REMOVE SAID EXISTING APRON OR SIDEWALK AND REPLACE IT WITH A NEW MONOLITHIC APRON OR SIDEWALK. SIDEWALK SHALL BE REMOVED TO THE NEAREST JOINT. ALL CONCRETE IS TO BE SAW CUT. NO PATCHING WILL BE ALLOWED. COMMERCIAL APRONS SHALL BE REPLACED WITH AN APPROVED COMMERCIAL APRON. RESIDENTIAL APRONS SHALL BE REPLACED WITH AN APPROVED RESIDENTIAL APRON (HS-207). SIDEWALKS SHALL BE REPLACED WITH AN APPROVED SIDEWALK DETAIL. CONTACT THE DIVISION OF RIGHT-OF-WAY FOR APPROVAL AT PWROW@NORFOLK.GOV (ORDINANCE NO. 40,778)\*
6. UTILITY POLES MUST BE RELOCATED AT YOUR PROJECT'S COST. A COPY OF THE WORK ORDER FOR POLE RELOCATIONS MUST ACCOMPANY RIGHT-OF-WAY PERMITS.

PERMITS:

- 1. A PERMIT AND INSPECTION IS REQUIRED TO PERFORM EXCAVATION AND INSTALLATION WORK OF ANY KIND IN THE RIGHT-OF-WAY. APPLICATIONS: HTTP://WWW.NORFOLK.GOV/INDEX.ASPX?NID=362
2. A PERMIT AND INSPECTION IS REQUIRED TO SLOW, CLOSE, REDIRECT, DETOUR, OR ALTER VEHICULAR AND PEDESTRIAN TRAFFIC FOR ANY DURATION. APPLICATIONS: HTTP://WWW.NORFOLK.GOV/INDEX.ASPX?NID=362
3. A PERMIT AND INSPECTION IS REQUIRED FOR LANE OR SIDEWALK CLOSURES FOR WORK WASHING, GRADING, OR INSTALLING ANY ITEM ABOVE OR UNDERGROUND. APPLICATIONS: HTTP://WWW.NORFOLK.GOV/INDEX.ASPX?NID=362
4. A PERMIT AND INSPECTION IS REQUIRED TO PLACE ANY OBJECT IN THE CITY RIGHT-OF-WAY. APPLICATIONS: HTTP://WWW.NORFOLK.GOV/INDEX.ASPX?NID=362
5. A PERMIT IS REQUIRED TO HAUL OVERSIZED, OVERWEIGHT, OR OVER HEIGHT LOADS. APPLICATIONS: HTTP://WWW.NORFOLK.GOV/INDEX.ASPX?NID=362
6. A PERMIT AND INSPECTION ARE REQUIRED WHEN A NEW APRON AND/OR SIDEWALK IS INSTALLED, ALL NEW OR EXISTING UTILITY STRUCTURES SHALL BE INSTALLED AND/OR RELOCATED OUTSIDE THE AREA OF THE NEW APRON AND/OR SIDEWALK. APPLICATION: WWW.NORFOLK.GOV/INDEX.ASPX?NID=362
7. A PERMIT AND INSPECTION IS REQUIRED FOR TEMPORARY BULK WASTE CONTAINERS PLACED IN THE RIGHT OF WAY. IF THE CONTAINER IS PLACED ON PRIVATE PROPERTY A PERMIT FROM THE HEALTH DEPARTMENT IS REQUIRED.

FEES:

- 1. CURRENT RIGHT OF WAY PERMIT FEES: HTTP://WWW.NORFOLK.GOV/DOCUMENTCENTER/VIEW/789
2. EXEMPTION: CONTRACTORS PERFORMING WORK UNDER CONTRACT WITH THE CITY OF NORFOLK ARE EXEMPT FROM PERMIT FEES THROUGH JULY 1, 2014. EFFECTIVE JULY 1, 2014, CONTRACTORS PERFORMING WORK UNDER CONTRACT WITH THE CITY OF NORFOLK MUST PAY STREET, LANE, AND SIDEWALK CLOSURE FEES.
3. EXEMPTION: CONTRACTORS PERFORMING WORK UNDER CONTRACT WITH VDOT ARE EXEMPT FROM ALL PERMIT FEES.

TRAFFIC CONTROL:

- 1. ALL TRAFFIC CONTROL SHALL COMPLY WITH THE LATEST EDITION OF THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)", THE "VIRGINIA WORK AREA PROTECTION MANUAL" AND THE "CITY OF NORFOLK RIGHT OF WAY EXCAVATION AND RESTORATION MANUAL" WHETHER IN EFFECT OR NOT AT THE TIME OF BID. ADDITIONAL CHARGES APPLY IF OFF-DUTY OFFICERS ARE REQUIRED. A LIST OF PERMIT FEES IS LOCATED AT WWW.NORFOLK.GOV/INDEX.ASPX?NID=362
2. FOR CONSTRUCTION IN OR ADJACENT TO ANY ARTERIAL AND/OR COLLECTOR STREETS REQUIRING TEMPORARY LANE OR STREET CLOSURE, THE CONTRACTOR MUST SCHEDULE A MEETING WITH THE CITY'S TRAFFIC MITIGATION TEAM. PLEASE CONTACT PUBLIC WORKS AT PWROW@NORFOLK.GOV TO SCHEDULE.
3. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A DETAILED TRAFFIC CONTROL PLAN (MOT) WITH THE CONTRACTOR'S PERMIT APPLICATION TO WORK IN THE RIGHT-OF-WAY AT LEAST 14 DAYS IN ADVANCE OF THE START DATE. THE MOT SHALL BE A DRAWING OR AERIAL PHOTO WITH SITE SPECIFIC DETAILS. THESE SHALL INCLUDE BUT ARE NOT LIMITED TO: TRAFFIC SIGNS, DIRECTIONAL SIGNS, DESTINATION SIGNAGE, CHANNELIZING DEVICES, WATER-FILLED BARRIERS, PORTABLE MESSAGE BOARDS WITH MESSAGES TO BE DISPLAYED AND TIMES AND DURATIONS OF DISPLAYED MESSAGES. ADDITIONALLY, THE MOT SHALL DISPLAY THE EXACT LOCATION OF ALL SIGNS AND/OR DEVICES INCLUDING SPACING FOR EACH SIGN AND/OR DEVICE, SPACING BEING APPROPRIATE TO THE WORK ZONE LOCATION AND POSTED SPEED LIMITS. ALL MAINTENANCE OF TRAFFIC (MOT) PLANS SHALL CONFORM TO THE CURRENT ISSUE OF "THE VIRGINIA WORK AREA PROTECTION MANUAL". COPIES OF REPRODUCTIONS OF STANDARD VWAPM TTC PLANS MAY NOT BE SUFFICIENT. CONTRACTORS SHOULD CONSIDER THESE ITEMS WHEN BIDDING FOR CONSTRUCTION AS IT MAY AFFECT COSTS.
4. NORFOLK POLICE REQUIRES OFF-DUTY OFFICERS FOR TRAFFIC CONTROL IN ANY SIGNALIZED INTERSECTION AND AS REQUIRED BY PERMIT. OFF-DUTY OFFICERS ARE INDEPENDENT CONTRACTORS. THE COST FOR OFF-DUTY OFFICERS IS A CONTRACTOR/OWNER RESPONSIBILITY.

BONDS:

- 1. THE CONTRACTOR, OWNER, OR DEVELOPER WILL BE REQUIRED TO POST A CASH, CHECK, OR CITY EDETTOR CREDIT TO EXCAVATE IN THE RIGHT OF WAY. DOWNLOAD THE FORM: HTTP://WWW.NORFOLK.GOV/DOCUMENTCENTER/VIEW/1408
2. BOND AMOUNT MUST COVER THE TOTAL COST OF ROW INSTALLATION INCLUDING STREET, SIDEWALK, STORM, BMPs, ROADWAY, SIDEWALK, CURB, GUTTER AS WELL AS ANY OTHER WATER INFRASTRUCTURE WORK BEING DONE ON THE PRIVATE PROPERTY SIDE. ADDITIONAL AMOUNT MAY BE SET AT THE DISCRETION OF THE DIVISION OF PUBLIC WORKS AND/OR ROW MANAGER.
3. BOND WILL BE REDUCED DOWN TO 10% FROM THE DATE OF FINAL INSPECTION FOR A 2 YEAR WARRANTY TERM. A SEPARATE WARRANTY BOND IS ACCEPTABLE IN LIEU OF A BOND REDUCTION. A LETTER REQUESTING RELEASE OR REDUCTION MUST BE SENT TO THE RIGHT OF WAY PERMITS OFFICE VIA E-MAIL AT PWROW@NORFOLK.GOV

NOTES TO CITY AND SPECIAL UTILITY PROJECT A/E DESIGNERS AND CONTRACTORS:

- 1. ALL CITY PROJECTS AND SPECIAL UTILITY PROJECTS (AS DETERMINED BY THE ROW ADMINISTRATOR) CANNOT BE BID UNTIL UTILITIES ARE RELOCATED OR ARRANGEMENTS HAVE BEEN COORDINATED BY THE CITY'S PROJECT MANAGER, A/E, AND RIGHT OF WAY DIVISION. PLEASE PROVIDE A LIST AND DRAWINGS OF ALL UTILITIES NEEDING RELOCATION TO RIGHT-OF-WAY DIVISION AT OR BEFORE 30% SUBMITTAL.
2. PROJECT DESIGNERS MUST INCLUDE A DETAILED TRAFFIC CONTROL PLAN FOR UTILITY WORK WITHIN THE RIGHT-OF-WAY IN THE PLANS. FOR CONSTRUCTION IN OR ADJACENT TO ANY ARTERIAL AND/OR COLLECTOR STREETS AS DEFINED IN THE VIRGINIA WORK AREA PROTECTION MANUAL REQUIRING TEMPORARY LANE OR STREET CLOSURE, THE CONTRACTOR MUST SCHEDULE A MEETING WITH THE CITY'S TRAFFIC MITIGATION TEAM. PLEASE CONTACT PUBLIC WORKS AT PWROW@NORFOLK.GOV TO SCHEDULE.
3. ANY DEVIATION FROM THE CITY'S ROW EXCAVATION & RESTORATION MANUAL THAT IS BEING REQUESTED MUST BE MARKED ON THE PLANS. ALSO, A DETAILED LIST OF THE DEVIATIONS MUST BE PROVIDED AS WELL.

OTHER:

- 1. PLEASE INCLUDE A SEQUENCE OF CONSTRUCTION IN THE PLANS.
2. DETAILED STAMPED DRAWINGS FOR SHORING AND SCAFFOLDING WILL BE REQUIRED AS PART OF THE RIGHT-OF-WAY PERMIT PROCESS.
3. ANY EXCAVATION IN THE ROADWAY MUST BE PATCHED WITH ASPHALT. STONE IS NOT ACCEPTABLE.
4. FULL CURB TO CURB RESURFACING WILL BE REQUIRED IF ROADWAY PORTION IS CUT WITHIN THE FIRST 5 YEARS AFTER RESURFACING. AN ADMINISTRATIVE FEE OF \$500 WILL BE ASSESSED IN ACCORDANCE WITH CITY CODE.\*
5. AS PART OF THE CONTRACTOR'S PERMIT APPLICATION TO WORK IN THE RIGHT OF WAY, THE CONTRACTOR MUST SUBMIT A MAP IDENTIFYING THE PROJECTS STORAGE AND LAY DOWN AREA. THE CITY DOES NOT ALLOW STORAGE, STAGING OR LAY DOWN AREAS WITHIN THE RIGHT OF WAY. CONTRACTORS ARE ENCOURAGED TO MAKE ARRANGEMENTS TO STORE MATERIALS AND LAY DOWN ON PRIVATE PROPERTY OR THEY MUST BE STORED WITHIN CONSTRUCTION SITE.\*
6. ALL MISS UTILITY MARKINGS IN THE RIGHT-OF-WAY ARE REQUIRED TO BE ERADICATED AT THE COMPLETION OF THE PROJECT IN ACCORDANCE WITH THE CITY'S ROW EXCAVATION & RESTORATION MANUAL LOCATED AT WWW.NORFOLK.GOV/INDEX.ASPX?NID=362
7. DESIGNERS ARE RESPONSIBLE TO CHECK IN-FIELD GRADES AND TO CONSULT WITH THE PROPER CITY OF NORFOLK STAFF IF THERE ARE QUESTIONS OR CONCERNS. DESIGNERS MUST SUBMIT A NOTICE VIA EMAIL TO THE RIGHT-OF-WAY DIVISION AT PWROW@NORFOLK.GOV VERIFYING THAT GRADES HAVE BEEN CHECKED AND ARE CORRECT.
8. A CONSTRUCTION FENCE MAY BE REQUIRED FOR YOUR SITE. IN DOWNTOWN, CONCRETE BARRIERS AND WOOD PANELS ARE REQUIRED IN MOST CASES. IN SOME CASES, CHAIN LINK FENCE IS ACCEPTABLE. A REVIEW BY RIGHT OF WAY IS REQUIRED TO DETERMINE THE TYPE OF FENCE. PLEASE CONTACT PUBLIC WORKS AT PWROW@NORFOLK.GOV

NOTIFICATIONS:

- 1. NOTIFICATION MUST BE APPROACHED FROM 3 LEVELS OR TIERS FOCUSING ON THOSE AFFECTED BY THE CONSTRUCTION. CONTRACTORS AND/OR PROJECT SPONSOR WILL BE REQUIRED TO NOTIFY RESIDENTS AND BUSINESSES IN THE IMMEDIATE AREA THAT WILL BE AFFECTED BY THE CONSTRUCTION. DOOR HANGERS MUST BE PLACED AT LEAST 48 HOURS PRIOR TO CONSTRUCTION AND MUST INCLUDE A 24 HOUR CONTACT PHONE NUMBER FOR EMERGENCIES. UPDATES MUST BE PROVIDED TO RESIDENTS AND BUSINESSES ON A BI-WEEKLY OR MONTHLY BASIS DEPENDING ON THE FOLLOWING:
1.1. IMMEDIATE IMPACT - BUSINESS OR RESIDENTS WITHIN THE CONSTRUCTION ZONE WHO WILL BE AFFECTED BY ACCESS RESTRICTIONS, NOISE, DIRT AND DUST, USE OF PROPERTY DIRECTLY ADJACENT TO THEM, ETC.
1.2. AREA IMPACT - THOSE WHO TRAVEL THROUGH OR WILL BE AFFECTED AROUND ARTERIAL OR COLLECTOR STREETS, AFFECTED BY CONSTRUCTION INCLUDING TRAFFIC, LEAKAGES, BUSINESS ASSOCIATIONS AND PROPERTY OWNERS.
1.3. CITYWIDE IMPACT - THOSE WHO ARE AFFECTED BY VEHICULAR OR PEDESTRIAN ACCESS ON ARTERIAL STREETS OR IN BUSINESS OR OTHER PUBLIC ACTIVTY AREAS (SCHOOLS, UNIVERSITIES, GOVERNMENT FACILITIES, ETC.)

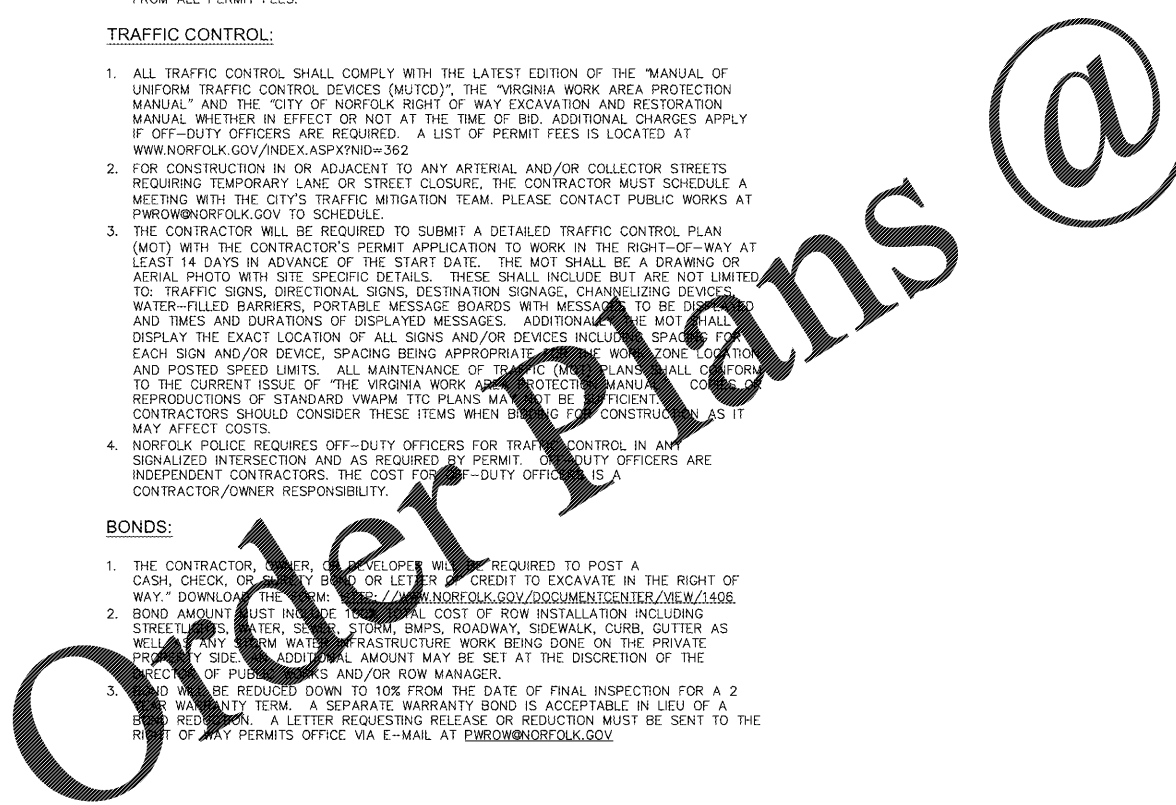
WATER AND SEWER UTILITY NOTES:

- 1. ANY TIE-INS TO EXISTING LINES THAT WILL RESULT IN INTERRUPTION OF SERVICE TO ANY CUSTOMER MUST BE COORDINATED WITH THE CITY OF NORFOLK AS TO ACCEPTABLE TIME AND DURATION OF INTERRUPTION. SCHEDULED INTERRUPTIONS OF SERVICE (TIE-INS, ABANDONMENT, ETC.) REQUIRE 3 DAYS ADVANCE NOTICE.
2. ALL TEES, BENDS, PLUGS, AND VALVES SHALL BE PROVIDED WITH MECHANICAL THRUST RESTRAINT AND RESTRAINED TO PROPER LENGTH. PLUGS INSTALLED ON ACTIVE WATER MAINS SHALL BE RESTRAINED. ENDS OF EXISTING LINES TO BE ABANDONED SHALL BE CAPPED WATER-TIGHT.
3. WHERE WATER MAINS PASS OVER SEWER MAINS, THEY MUST BE 18 INCHES ABOVE, OR THE SEWER MUST BE A 20 FOOT SECTION OF AWMA APPROVED PRESSURE PIPE. WHERE WATER LINES PASS BELOW SEWER, 18 INCHES OF CLEARANCE IS REQUIRED AND SEWER MUST BE CONSTRUCTED OF AWMA APPROVED PIPE (18 FOOT LONG PIECE MINIMUM) CENTERED ON WATER MAIN PIPE SECTION.
4. NEOPRENE PADS SHALL BE USED BETWEEN PROPOSED AND EXISTING UTILITIES AT CROSSINGS WHERE THE VERTICAL CLEARANCE IS LESS THAN SIX (6) INCHES.
5. RIGHT-OF-WAY PIPE MATERIAL SHALL BE PVC SDR 26 OR CLASS 52 DI. ALL SANITARY SEWER DUCTILE IRON PIPE SHALL BE LINED WITH PROTECTO 401 OR APPROVED EQUAL.
6. THE LOCATIONS OF EXISTING AND/OR PROPOSED SEWER LATERALS, PRIVATE PROPERTY LINE CLEAN-OUTS AND WATER METER RELOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE, BASED ON CURRENT RECORDS AND PRELIMINARY FIELD INVESTIGATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING SEWER LATERAL AND WATER SERVICE CONNECTIONS AT THE MAIN, CLEANOUT BOXES, AND WATER METER BOXES, (WHERE APPLICABLE) AND AT THE RESIDENCE PRIOR TO COMPLETING ANY REHAB OR REPLACEMENT WORK.
7. PRIOR TO CONSTRUCTION OR EXCAVATION, CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. CONTRACTOR TO BE RESPONSIBLE FOR REPAIR TO ALL DAMAGED UTILITIES AT HIS EXPENSE.
8. UTILITIES FIELD ENGINEERING OFFICE SHALL BE CONTACTED AT 823-1001 FIVE (5) DAYS PRIOR TO START OF WORK TO SCHEDULE AN INSPECTOR AND PRECONSTRUCTION CONFERENCE. APPROVED SUBMITTALS REQUIRED FOR ALL INSPECTED MATERIALS.
9. ALL CITY RIGHT-OF-WAY AND CITY UTILITY EASEMENT WATER AND SANITARY SEWER WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST HAMPTON ROADS PLANNING DISTRICT COMMISSION REGIONAL SPECIFICATIONS, CITY OF NORFOLK MODIFICATIONS TO THE HRPCD STANDARDS, AND THE VIRGINIA DEPARTMENT OF HEALTH REGULATIONS. APPROVED SUBMITTALS ARE REQUIRED BEFORE UTILITY WORK CAN PROCEED.
10. RIGHT-OF-WAY WATER INSTALLATIONS:
A. ALL TAPS, PIPING, SERVICE LINES, VALVES, VALVE BOXES, METER BOXES, AND FIRE HYDRANTS SHALL BE INSTALLED BY THE DEVELOPER'S CONTRACTOR AND INSPECTED BY THE DEPARTMENT OF UTILITIES.
B. CITY CREWS SHALL INSTALL ALL METERS AND DEFLECTOR CHECKS AT DEVELOPER'S EXPENSE. SUCH ITEMS SHALL BE INSTALLED WITHIN 90 DAYS FROM PAYMENT OF FEES.
11. DOMESTIC TAPS 4" OR GREATER AND ALL FIRE SERVICE LINE TAPS SHALL BE A MINIMUM OF 5' FROM ANY PIPE JOINT.
12. OR JOINTS BETWEEN SANITARY SEWER MANHOLE SECTIONS, "RAM NECK" OR "TRIVALENT" SHALL BE USED.
13. ADVANCED CASTINGS ON PAVED AREAS SHALL BE ADJUSTABLE TYPE. SURFACE FEELERS SUCH AS MANHOLE COVERS, VALVE BOX COVERS, METER BOX COVERS, SEWER CLEANOUTS, AND VENTS SHALL BE RE-ESTABLISHED TO FINISH GRADE. ALL SANITARY SEWER MANHOLES GREATER THAN 12 FEET IN DEPTH SHALL BE 60" IN DIAMETER BELOW SIX FEET OF MANHOLE DEPTH. ABOVE SIX FEET OF MANHOLE DEPTH MANHOLE DIAMETER SHALL BE 48".
14. LOCATION AND DEPTH OF ALL PUBLIC UTILITIES SHALL BE FIELD VERIFIED BY DEVELOPER'S CONTRACTOR WITH A NORFOLK DEPARTMENT OF UTILITIES INSPECTOR PRESENT. CONTRACTOR SHALL CONTACT THE UTILITIES FIELD ENGINEERING OFFICE, TELEPHONE 823-1001, AT LEAST 72 HOURS PRIOR TO EXCAVATION TO ARRANGE FOR A NORFOLK DEPARTMENT OF UTILITIES INSPECTOR TO BE PRESENT.
15. RIGHT-OF-WAY SANITARY SEWER INSTALLATIONS SHALL BE PERFORMED BY THE DEVELOPER'S CONTRACTOR AND INSPECTED BY THE DEPARTMENT OF UTILITIES. CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE AT ALL TIMES; ANY DAMAGE TO EXISTING UTILITIES SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.
16. ANY ACTIVITIES THAT WILL RESULT IN INTERRUPTION OF SERVICE TO ANY CUSTOMER MUST BE COORDINATED WITH THE UTILITIES WATER DISTRIBUTION AT 823-1001 AS TO AN ACCEPTABLE TIME AND DURATION OF INTERRUPTION. SCHEDULED INTERRUPTIONS OF SERVICE REQUIRE 3 WORKING DAYS ADVANCE NOTICE.
17. ALL UTILITIES SURFACE FEATURES SUCH AS SEWER MANHOLE COVERS, VALVE BOX COVERS, METER BOX COVERS, AND SEWER CLEANOUT LIDS WITHIN THE PROJECT AREA ARE TO BE REESTABLISHED TO FINISH GRADES.
18. EXISTING FIRE HYDRANTS LOCATED IN THE PROJECT AREA SHALL BE VISIBLE AND ACCESSIBLE AT ALL TIMES.
19. AT LEAST 95% STANDARD PROCTOR COMPACTION SHALL BE ACHIEVED FOR THE BACKFILL OF THE OPEN CUTS FOR THE WATER SEWER MAIN TRENCHES.
20. DURING CONSTRUCTION, PROVIDE ADEQUATE PIPE PROTECTION, RESTRAINT, AND SUPPORT BETWEEN PROPOSED UTILITIES AND EXISTING WATER AND SANITARY SEWER MAINS WHERE VERTICAL SEPARATION IS LESS THAN 12 INCHES. CONTRACTOR TO SUBMIT DETAIL TO CITY OF NORFOLK PRIOR TO APPROVAL PRIOR TO INSTALLATION.
21. FOR REQUIRED WATER MAIN SHUTDOWNS, THE CONTRACTOR SHALL COORDINATE IN ADVANCE WITH THE DEPARTMENT OF UTILITIES INSPECTOR. THIS IS TO ENSURE PREREQUISITE REQUIREMENTS AND PRECAUTIONS TAKE PLACE AND ARE SATISFIED.
22. PARALLEL ELECTRONIC CABLING SHALL NOT BE INSTALLED WITHIN 4 FEET OF EDGE OF RAW WATER AND FINISH WATER TRANSMISSION MAINS.
23. HAND DIGGING IN VICINITY OF RAW WATER MAINS IS REQUIRED WHEN INSTALLING OTHER CROSSING UTILITIES.
24. CONTRACTOR SHALL EXERCISE EXTREME CARE WHILE DEMOLISHING EXISTING STREET PAVEMENT AROUND RAW WATER LINES.
25. NO MATERIALS SHALL BE STORED WITHIN 15 FEET OF RAW WATER MAINS.
26. CONTRACTOR IS REQUIRED TO PROVIDE CITY UTILITY INSPECTOR AS BUILT DRAWINGS. AS BUILT INFORMATION SHALL BE PERFORMED UNDER THE SUPERVISION OF A CITY INSPECTOR.
27. WATER SERVICE LINES
A. WHERE WATER SERVICE LINE MUST CROSS OVER SEWERS, STORM DRAINS OR GAS LINES, THE SERVICE LINE MUST BE LAID AT SUCH AN ELEVATION THAT THE BOTTOM OF THE SERVICE LINE IS AT LEAST EIGHTEEN (18) INCHES ABOVE THE TOP OF THE SEWER OR OTHER PIPE. THIS VERTICAL SEPARATION MUST BE MAINTAINED FOR THAT PORTION ON THE SERVICE LINE WITHIN TEN FEET HORIZONTALLY OF ANY SEWER LINE THAT IT CROSSES, MEASURED AS THE CLEARANCE FROM THE SERVICE LINE TO THE SEWER OR OTHER PIPE. MINIMUM COVER OF 24 INCHES AT THE DITCH INVERT SHALL BE MAINTAINED.
B. SHOULD TEMPORARY WATER SERVICE LINE REMOVAL BECOME NECESSARY DUE TO LAYING OF SEWERS, STORM DRAIN PIPES AND GAS LINES, THE WATER SERVICE LINE SHALL BE REPLACED IN ITS ENTIRETY BETWEEN THE CORPORATION STOP AND METER STOP. CUTTING AND SPLICING WATER SERVICE LINES FOR RESOLVING UTILITY CONFLICTS AND NOT BE PERMITTED. WATER SERVICE REPLACEMENT WORK SHALL BE PERFORMED IN THE PRESENCE OF A DEPARTMENT OF UTILITIES FIELD ENGINEERING OFFICE INSPECTOR.

EROSION AND SEDIMENT CONTROL:

- 1. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA SEDIMENT CONTROL HANDBOOK (3RD EDITION, 1992) AND THE CITY OF NORFOLK EROSION AND SEDIMENT CONTROL ORDINANCE.
2. THE CONTRACTOR SHALL CONTACT THE CITY OF NORFOLK, BUREAU OF ENVIRONMENTAL SERVICES (757-664-4368) AT LEAST 45 DAYS PRIOR TO ANY LAND DISTURBING ACTIVITY (INCLUDING DEMOLITION) SO THAT A PRECONSTRUCTION CONFERENCE CAN BE SCHEDULED.
3. THE CONTRACTOR SHALL APPLY PERMANENT OR TEMPORARY SOIL STABILIZATION TO ALL DENUDED OR DISTURBED AREAS WITHIN 14 DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. SOIL STABILIZATION MUST ALSO BE APPLIED TO THE DENUDED AREAS WHICH WILL REMAIN UNDISTURBED FOR LONGER THAN 14 DAYS. SOIL STABILIZATION MEASURES INCLUDE VEGETATIVE ESTABLISHMENT, MULCHING AND THE APPLICATION OF LEVEL BASE MATERIAL ON AREAS TO BE PAVED.
4. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED IN PLACE AS THE FIRST STEP IN CONSTRUCTION.
5. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES AND CLEANUP OF SEDIMENTATION ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE MADE IMMEDIATELY.
6. THE CONTRACTOR SHALL LIMIT SITE ACCESS BY CONSTRUCTION VEHICLES TO ENTRANCES PROTECTED BY A STONE CONSTRUCTION ENTRANCE (VESCH STD. & SPEC 3.02) OR AND APPROVED EQUAL. SEDIMENT SHALL BE REMOVED FROM PAVED AREAS ON A DAILY BASIS.
7. STOCK PILES OF SOIL AND OTHER ERODIBLE MATERIALS SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES. THE CONTRACTOR IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND PERMANENT STABILIZATION FOR STOCKPILES ON SITE AS WELL AS FOR MATERIALS TRANSPORTED FROM THE PROJECT SITE.
8. THE CONTRACTOR SHALL MONITOR AND TAKE PRECAUTIONS TO CONTROL DUST INCLUDING (BUT NOT LIMITED TO) USE OF WATER, MULCH, OR CHEMICAL DUST ADHESIVES AND CONTROL OF CONSTRUCTION SITE TRAFFIC.
9. EFFLUENT FROM DE-WATERING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE, OR BOTH, AND DISCHARGED IN A MANNER THAT DOES NOT ADVERSELY AFFECT ADJACENT PROPERTIES, WETLANDS, WATERWAYS OR THE STORM DRAINAGE SYSTEM.
10. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF ANY ADDITIONAL CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED NECESSARY BY THE PLAN APPROVING AUTHORITY.
11. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES ARE NOT TO BE REMOVED UNTIL ALL DISTURBED AREAS ARE STABILIZED. AFTER STABILIZATION IS COMPLETE, ALL MEASURES SHALL BE REMOVED WITHIN 30 DAYS. TRAPPED SEDIMENT SHALL BE SPREAD AND SEEDED.

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