

3. THIS PLAN IS THE EXEMPT FROM EROSION AND SEDIMENT CONTROL PLAN REQUIREMENTS PURSUANT ARTICLES § 62-1-44.15(3) & 62-1-44.15(5) OF THE CODE OF VIRGINIA.

4. SOME EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN SHOWN ON THIS PLAN AT THE DISCRETION OF THE LOCAL DESIGNER.

5. ALL REQUIRED TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED BY THE CONTRACTOR IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.

6. EROSION AND SEDIMENT CONTROL MEASURES: UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE "VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, THIRD EDITION (2010) (VETCH), THE MINIMUM STANDARDS OF THE VETCH SHALL BE ADHERED TO UNLESS OTHERWISE DIRECTED BY THE LOCAL DESIGNER.

7. OFF-SITE AREAS: THESE PLANS DO NOT PROVIDE FOR ANY LAWN DRAIN AREA, BORROW/DISPOSAL SITE, STOCK PILE AREA, OR ANY OTHER FORM OF STAGING ACTIVITY. THE CONTRACTOR EXECUTING WORK SHOWN ON THESE PLANS SHALL BE RESPONSIBLE FOR SECURING ANY SUCH AREAS PRIOR TO ANY OFF-SITE WORK. PRIOR TO ANY OFF-SITE WORK, THE CONTRACTOR SHALL SECURE APPROVAL FROM GOVERNING LOCALITY FOR ANY OFF-SITE LAND DISTURBANCE, THE LOCATION AND SIZE OF ANY SUCH AREAS, AND THE TYPE OF WORK TO BE CONDUCTED. THE CONTRACTOR SHALL MEET WITH AND REQUEST, SUPPORTING ADEQUATE DOCUMENTATION SHALL BE PROMPTLY PROVIDED TO WYMAA.

1. A WAIVER TO THE VIRGINIA STORMWATER MANAGEMENT PROGRAM (VSWMP) REQUIREMENTS IS HEREBY REQUESTED FOR THIS LINEAR PROJECT.

2. NO CHANGES SHALL BE MADE TO THE PROJECT THAT WILL SIGNIFICANTLY ALTER THE PREDEVELOPMENT RUNOFF CHARACTERISTICS OF THE LAND SURFACE AFTER COMPLETION OF CONSTRUCTION AND LAND STABILIZATION.

3. NO MORE THAN ONE (1) ACRE OF LAND DISTURBANCE SHALL BE PERMITTED DURING CONSTRUCTION WITHOUT STABILIZATION.

4. SOIL STABILIZATION SHALL BE APPLIED TO LAND DISTURBED AREAS WITHIN SEVEN (7) DAYS IF THE LAND SURFACE AREA CAN PRODUCE EROSION AND SEDIMENT.

5. THE ENVIRONMENT SHALL BE PROTECTED FROM EROSION AND SEDIMENT DAMAGE ASSOCIATED WITH THE LAND DISTURBANCE ACTIVITY.

6. THE CONSTRUCTION ACTIVITY OPERATOR (WORKING FOR THE REGISTERED LAND DISTURBER AS IDENTIFIED ON THESE APPROVED PLANS) SHALL INSTALL, IMPLEMENT, AND MAINTAIN POLLUTION PREVENTION MEASURES TO:

- A. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER CONSTRUCTION PRACTICES.
- B. MINIMIZE EXPOSURE OF THE EXPOSURE OF BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTE, TRASH, LANDSCAPE MATERIALS, FERTILIZER, PESTICIDES, HERBICIDES, DETEGENTS, SANITARY WASTE, AND OTHER MATERIALS OR EQUIPMENT ON SITE TO THE ENVIRONMENT AND STORMWATER.
- C. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM SPILLS AND LEAKS AND IMPLEMENT CHEMICAL SPILL AND LEAK PREVENTION AND RESPONSE PROCEDURES.
- D. PROHIBIT THE DISCHARGE OF WASTEWATER FROM WASHOUT OF CONCRETE.
- E. PROHIBIT THE DISCHARGE OF WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CROCK COMPOUNDS, AND OTHER CONSTRUCTION MATERIALS.
- F. PROHIBIT THE DISCHARGE OF FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE.

1. WATER LINES SHALL NOT BE PLACED WITHIN 10 HORIZONTAL FEET OF EXISTING OR PROPOSED SANITARY DRAIN FIELDS AND/OR SEPTIC TANKS.
2. VALVES, MANHOLES, PIPES, TEES, AND CAPS SHALL BE RESTRAINED WITH MECHANICAL RESTRAINING DEVICES IN ACCORDANCE WITH THE PROJECT MANUAL AND DETAILS. CONCRETE ANCHORS IN LINE OF MECHANICAL RESTRAINTS, IF APPROVED BY THE OWNER, SHALL BE IN ACCORDANCE WITH THE PROJECT MANUAL AND DETAILS.
3. PROVIDE A VERTICAL SLOPE TO EACH EXISTING WATER METER. PROVIDE BACKWASH BARGE IN THE SHOULDER, AND FLUSH WITH PAYMENT IF LOCATED IN THE PAVEMENT. FIRE HYDRANTS SHALL BE LIFT LOCATED BEHIND THE DITCH LINE AND WATER MAINS SHALL BE RECONSTRUCTED IN THE LOCATIONS SHOWN ON THE PLANS.
4. ALL UTILITY CROSSINGS SHALL BE MADE AT LEAST 6 FEET FROM ANY ADJACENT CURB OR SIDEWALK ELEVATIONS.
5. MINIMUM COVER ON ALL WATERLINES SHALL BE "N/A" UNLESS OTHERWISE SPECIFIED.
6. CONFINEMENT AIR VALVES SHOWN ON THE PLANS SHALL BE FIELD LOCATED AT THE HIGH POINT IN THE WATER MAIN.
7. NO BLOW-OFF VALVE, AIR RELEASE VALVE, VACUUM BREAKER, OR OTHER FLUSHING DEVICE SHALL BE DIRECTLY CONNECTED TO ANY SANITARY SEWER OF STORM DRAIN SYSTEM.
8. ALL WATER LINES SHALL BE PRESSURE TESTED AND DISINFECTED IN ACCORDANCE WITH THE WESTERN VIRGINIA WATER AUTHORITY STANDARD.
9. ALL UTILITY CROSSINGS SHALL HAVE 18" MIN. SEPARATION OR CONTRACTOR SHALL UTILIZE WWA STANDARD G-8 CONCRETE PERIOD DETAIL.
10. WATER SERVICE AND WATER REPLACEMENT SHOULD BE DISCUSSED PRIOR TO THE WORK. THE WVA WILL INSTALL ALL WATER METERS AND ALL EXISTING WATER METERS. THE CONTRACTOR SHALL INSTALL COMPLETE NEW WATER SERVICES INCLUDING THE METER SETTER AND BOX IN CONFORMANCE WITH THE WVA'S STANDARDS. WHEN THE REFLECTOR IS REPLACED, THE CONTRACTOR SHALL COORDINATE EXISTING REMOVAL AND NEW METER INSTALLATION WITH THE WVA. THE CONTRACTOR SHALL COORDINATE EXISTING REMOVAL AND NEW METER INSTALLATION WITH THE WVA PRIOR TO NEEDING METER INSTALLATIONS. THE CONTRACTOR SHALL SEQUENCE CONSTRUCTION ACTIVITY TO RECEIVE NEW METERS BEFORE CONTACTING THE WVA FOR WATER METER REPLACEMENT.
11. ALL UTILITY CROSSESS SHALL BE ROBED UNLESS OTHERWISE NOTED.
12. CONTRACTOR SHALL INSTALL 2" SLAVE AT LOCATIONS WHERE SERVICE LATERALS CROSS UNDER EXISTING RETAINING WALLS.
13. ALL LIVE CONNECTIONS TO EXISTING WATERLINES SHALL BE PERFORMED BY THE WVA. THE CONTRACTOR SHALL FULLY STAMPENSTAMPS ALL EXISTING WATERLINES AND SERVICES. THE CONTRACTOR SHALL OBTAIN THE TRENCH PERMITS AND OSHA REQUIREMENTS. CLEAN THE EXISTING WATERLINE, AND INSTALL THE TAPPING SLAVE AND VALVE PRIOR TO THE WVA PERFORMING THE TAP. THE CONTRACTOR SHALL NOTIFY THE WVA IMMEDIATELY AFTER SUCH START SITE VISIT HAS BEEN COMPLETED.
14. UNDER CERTAIN CONDITIONS, WHEN CALLED FOR ON THE PLANS AND PROJECT MANUAL, CONTRACTOR SHALL CONNECT NEW WATER SERVICE LATERALS TO EXISTING SERVICE LATERAL AFTER CONTRACTOR GAINS APPROVAL FROM LOCAL OFFICE ON NEW WATER SERVICE LATERAL. COORDINATED WITH WVA.
15. CONTRACTOR SHALL COORDINATE ALL WATER ABANDONMENT AND SUBSEQUENT WATER OUTAGES WITH WVA INSPECTOR.
16. OUT OF SERVICE GATE VALVE BOXES & METER BOXES SHALL BE REMOVED A MINIMUM OF 1' BELOW GRADE & FILLED WITH CRUSHED GRANITE IN THE ROADWAY OR TOP SOIL OVERLAY IN THE YARD.
17. OUT OF SERVICE WATERLINES SHALL BE CAIPP'D ON BOTH ENDS.
18. ALL WATER FACILITIES SHALL BE INSTALLED ACCORDING TO THE PLAN AND WESTERN VIRGINIA WATER AUTHORITY (VWA) DESIGN AND CONSTRUCTION STANDARDS (LATEST REVISION).
19. THE CONTRACTOR SHALL FLUSH AND DISINFECT IN ACCORDANCE WITH AWWA SPECIFICATION C83, LATEST REVISION.
20. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND UNCORKING VALVE VAULTS AFTER PAVING AND ADJUSTMENT TO FINAL GRADE IF NECESSARY.
21. ANY FIRE HYDRANT TAKEN OUT OF SERVICE AND NOT REUSED SHALL BE PROPERTY OF THE WVA. THE INSPECTOR SHALL FIELD OPERATIONS AND COORDINATE FIELD OPERATIONS PICK UP OF THE HYDRANT.
22. CONTRACTOR SHALL CONTRIBUTE TO THE COST OF DEMOLITION OF EXISTING STRUCTURES FOR DEMOLITION ARE INACTIVE PRIOR TO DEMOLITION. OWNER WILL ASSIST CONTRACTOR WITH NOTIFICATION.

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PROJECT DESCRIPTION:

1. THE PURPOSE OF THIS PROJECT IS TO EXTEND WATER MAIN FROM WINEMERE TRAIL, TO COMPASS CREEK ALONG SCRAGGS ROAD, AND EXTEND WATER MAIN FROM COMPASS CREEK TO BERNARDS LANDING ALONG SCRAGGS ROAD.

2. THE ENTIRETY OF THE PROPOSED WORK IS LOCATED WITHIN VDOT RIGHTS OF WAY AND/OR ANDING MAJOR HIGHWAYS.

3. THE PROJECT IS BEING CONDUCTED IN ACCORDANCE WITH THE STANDARDS, SPECIFICATIONS, METHODS, MATERIALS, AND SHALL BE SUBJECT TO THE SUPERVISOR'S REVIEW AND APPROVAL OF THE VIRGINIA WATER AUTHORITY (VWA) DESIGN & CONSTRUCTION STANDARDS, AND THE APPROVED VWA ANNUAL EROSION STANDARDS & SPECIFICATIONS.

4. THE LIMITS OF DISTURBANCE WILL BE LESS THAN 1-Acre IN AREA.

2. MINIMUM STANDARDS:

THE FOLLOWING STATE MINIMUM STANDARDS APPLY AND WILL BE MET AS FOLLOWS:

(NO APPLICABLE STANDARDS ARE NOT LISTED)

M5-1 - ALL DISTURBED AREAS NOT BEING STABILIZED WITH PAVEMENT SHALL RECEIVE PERMANENT SOIL.

M5-2 - PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED ON ALL DISTURBED AREAS OUTSIDE OF PAVEMENT, INCLUDING BUT NOT LIMITED TO THOSE AREAS DISTURBED TO INSTALL WATER MAINS, PIRE PROTECTION, ETC. PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED IN ACCORDANCE WITH EROSION CONTROL BULLETIN #1, AND MULCHED APPLIED IN ACCORDANCE WITH VESCH STD 3.35.

M5-3 -

M5-4 -

M5-5 -

NO MORE THAN SOIL LINEAR FEET OF FRENCH MAY BE OPENED AT ONE TIME FOR INSTALLATION OF WATER LINES AND APPURTEANCES.

UNPAVED MATERIAL SHALL BE REMOVED IMMEDIATELY ONCE THE UNPAVED, SITE IS FILTERED.

EFFLUENT FROM DEWATERING OPERATIONS SHALL BE TYPHOCH OR PASSED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE, OR BOTH, AND DISCHARGED IN A MANNER THAT DOES NOT ADVERSELY AFFECT FLOWING STREAMS.

MATERIAL USED FOR BACKFILLING TRENCHES SHALL BE PROPERLY COMPACTED IN ORDER TO MINIMIZE EROSION AND PROMOTE STABILIZATION.

STABILIZATION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE REGULATIONS.

APPLICABLE SAFETY REGULATIONS SHALL BE COMPLIED WITH.

M5-17 - PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT TO VEHICULAR TRAFFIC ON THE PAVED SURFACE. THE ROAD SURFACE SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY WHEN SEDIMENT IS TRANSPORTED ONTO PAVEMENT OR PUBLIC ROAD SURFACES.

M5-18 - REMOVED MATERIAL SHALL BE PROPERLY STORED, COVERED, AND TRANSPORTED TO A SEDIMENT CONTROL, DISPOSAL AREA, STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED FROM THE MATERIAL.

M5-19 - ALL TEMPORARY EROSION MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER TEMPORARY MEASURES ARE NO LONGER NEEDED, UNLESS OTHERWISE PERMITTED BY THE LOCAL AGENCY SUPERVISOR. TRAPPED SEDIMENT AND THE DISTURBED SOIL AREAS SHALL BE PERMANENTLY STABILIZED.

M5-19 - NO CHANGES IN LAND COVER CONDITIONS, DRAINAGE PATTERNS, RUNOFF VOLUMES, OR RUNOFF COEFFICIENTS WILL RESULT IN A CHANGING OF THE PROJECT, THIS NO DOWNSTREAM ANALYSIS IS REQUIRED.

3. CERTIFICATION, INSPECTIONS, TRAINING, AND REPORTING:

DEQ CERTIFIED EROSION INSPECTOR SHALL PROVIDE FOR AND DOCUMENT INSPECTIONS AT THE FOLLOWING FREQUENCY: DURING AND/OR IMMEDIATELY FOLLOWING INITIAL INSTALLATION OF EROSION AND SEDIMENT CONTROLS, AT LEAST EVERY FOUR (4) DAYS, WITHIN 48 HOURS FOLLOWING ANY RUNOFF FROM A STORM EVENT, AND IMMEDIATELY FOLLOWING ANY OTHER PROJECTS THAT MAY REQUIRE SEDIMENT CONTROL. A DEQ CERTIFIED EROSION RESPONSIBLE LAND DISTURBER, THE RLD, WILL BE REQUIRED FOR INSPECTIONS FOR EROSION AND SEDIMENTATION IN ACCORDANCE WITH THE VESCH VWA EMPLOYEES, INSPECTORS, AND CONTRACTORS ARE DIRECTED TO PERFORM ALL WORK TO MINIMUM OSHA SAFETY STANDARDS. ADDITIONALLY, THEY ARE DIRECTED TO PROTECT THE ENVIRONMENT AT ALL TIMES. THE SUPERVISOR SHALL BE NOTIFIED OF ANY VIOLATIONS, INCLUDING EROSION ISSUES, TO THEIR RESPECTIVE SUPERVISOR IMMEDIATELY.

THE FOLLOWER INVOLVED IN THE PROJECT SHALL BE REQUIRED TO SUBMIT TO VDOT, AS A FEE, A COPY OF THE PROJECT PLAN AND A RECORD OF INSPECTIONS FOR EACH ACTIVE LAND-DISTURBING ACTIVITY.

THE CONTRACTOR SHALL NOTIFY THE VWA/ENFORCEMENT COORDINATOR, BRIAN WHITEHAT, AT 804-646-4141 AT THE FIRST INSPECTION.

ANY ADDITIONAL OFF-SITE ACTIONS REQUIRED FOR EROSION OR WASTE MATERIALS SHALL BE APPROPRIATELY PERMITTED.

4. STORMWATER MANAGEMENT

AS THE PROJECT WILL BE COMPLETED IN ACCORDANCE WITH DEQ GUIDANCE MEMO NO. 15-2003, THE EROSION AND Siltation CONTROL PLAN, THE STORMWATER MANAGEMENT PLAN AND THE CONSTRUCTION GENERAL PERMIT ARE NOT APPLICATED.

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