

P:\Franklin County\13-084 Rt 122 Water Ext\Drawings\13-084.dwg

WATER NOTES:

WN-1. WATER LINES SHALL NOT BE PLACED WITHIN 20 HORIZONTAL FEET OF EXISTING OR PROPOSED SANITARY DRAIN FIELDS AND/OR SEPTIC TANKS.

WN-2. ALL VALVES, BENDS, TEES, PLUGS, & CAPS SHALL BE RESTRAINED WITH MECHANICAL RESTRAINING DEVICES IN ACCORDANCE WITH THE SPECIFICATIONS AND DETAILS. CONCRETE ANCHORS IN LIEU OF MECHANICAL RESTRAINTS, IF APPROVED BY OWNER, SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND DETAILS.

WN-3. WHEN LOCATED IN A VDOT RIGHT-OF-WAY, VALVE BOXES SHALL BE BURIED 2" BELOW GRADE WHEN IN THE SHOULDER AND FLUSH WITH PAVEMENT, IF LOCATED IN THE PAVEMENT. WATER MAINS SHALL BE CONSTRUCTED IN THE LOCATIONS SHOWN ON THE PLANS.

WN-4. ALL WATER MAINS SHALL HAVE A MINIMUM COVER OF 36 INCHES. WATER LINES SHALL BE LAID DEEPER WHERE SHOWN ON THE PROFILES, OR WHERE NECESSARY TO ACCOMODATE THE BURY DEPTH OF VALVES AND VALVE VAULTS.

WN-5. ALL DISTRIBUTION LINES SHALL BE PRESSURE TESTED IN ACCORDANCE WITH THE WESTERN VIRGINIA WATER AUTHORITY STANDARDS.

WN-6. COMBINATION AIR RELEASE VALVES SHOWN ON PLANS SHALL BE FIELD LOCATED AT THE HIGH POINT IN THE WATER MAIN.

WN-7. NO BLOW OFF VALVE, AIR RELEASE VALVE, VACUUM BREAKER, OR OTHER FLUSHING DEVICE SHALL BE DIRECTLY CONNECTED TO ANY SANITARY SEWER OR STORM DRAIN SEWER.

WN-8. THE CONTRACTOR SHALL CONTINUOUSLY KEEP UP TO DATE WITH PROPERTY RESTORATION, SEEDING AND COMPACTION TESTING.

WN-9. ALL PROPOSED WATER SERVICE LINES SHALL BE 1" UNLESS OTHERWISE NOTED.

WN-10. ALL EXISTING UTILITIES MAY NOT BE SHOWN IN THE EXACT LOCATION. THE CONTRACTOR SHALL COMPLY WITH THE STATE WATER WORKS REGULATIONS WHERE LINES CROSS.

WN-11. ALL TRENCHES IN EXISTING OR FUTURE VDOT RIGHTS-OF-WAY SHALL BE COMPACTED ACCORDING TO VDOT STANDARDS.

WN-12. ALL WATER PIPE SHALL BE MATERIAL AS SPECIFIED IN THE WWA SPECIFICATIONS.

WN-13. A CONTINUOUS UNIFORM BEDDING SHALL BE PROVIDED IN THE TRENCH FOR ALL PIPE. STONES AND ROCKS FOUND IN THE TRENCH SHALL BE REMOVED FOR A DEPTH OF AT LEAST SIX (6) INCHES BELOW THE BOTTOM OF THE PIPE AND TAMPED SELECTED FILL BEDDING PROVIDED. AFTER THE PIPE HAS BEEN PLACED IN THE TRENCH, THE TRENCH SHALL BE BACKFILLED WITH SELECTED MATERIAL, THOROUGHLY COMPACTED TO 95% UNDER PAVEMENT, OF THE STANDARD PROCTOR (ASTM D 698) USING CARE NOT TO DAMAGE THE PIPE.

WN-14. ALL EXISTING WATER SERVICES SHALL BE REPLACED WITH NEW SERVICES. ALL WATER SERVICES SHALL BE BORED UNLESS OTHERWISE NOTED. ALL WATER METERS SHALL BE INSTALLED BY THE WESTERN VIRGINIA WATER AUTHORITY. ALL WET AND DRY TAPS MADE TO THE EXISTING SYSTEM SHALL BE MADE BY THE WESTERN VIRGINIA WATER AUTHORITY.

WN-15. THE CONTRACTOR SHALL PROVIDE A TESTING AGENCY TO INSPECT BACKFILL MATERIAL AND PROVIDE COMPACTION TESTS AS REQUIRED BY THE VDOT LAND USE PERMIT.

WN-16. OPEN-CUTS SHALL BE USED TO CONSTRUCT WATERMAINS ACROSS EXISTING VDOT ROADS UNLESS OTHERWISE NOTED ON THE PLANS. ALL OPEN-CUTS SHALL BE PATCHED AS PER WWA DETAIL G-12 AND THE AREA SHALL BE MILLED AND OVERLAYED WITH A SURFACE MIX TO BLEND THE NEW AND EXISTING ASPHALT.

WN-17. EXISTING WATER SERVICE CROSSINGS ARE NOT SHOWN IN PROFILE FOR CLARITY. CONTRACTOR SHALL INSTALL WATERLINE AROUND EXISTING WATER SERVICES.

DESIGN NOTES:

1. ALL HYDRAULIC DESIGN CALCULATIONS HAVE BEEN MODELED BY WESTERN VIRGINIA WATER AUTHORITY.

GENERAL NOTES:

1. ALL WORK PERFORMED IN THESE DRAWINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ORIGINAL PROJECT DOCUMENTS ENTITLED "BURNT CHIMNEY WATER EXTENSION PROJECT" DATED JUNE 27, 2013.

2. ALL CONSTRUCTION METHODS SHALL CONFORM TO THE LATEST EDITION OF THE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS OF THE WESTERN VIRGINIA WATER AUTHORITY (AUTHORITY) AVAILABLE AT WWW.WESTERNVAVATER.ORG. THE PROJECT SHALL ALSO COMPLY WITH THE GOVERNING JURISDICTION'S STANDARDS AND OTHER STANDARDS (E.G. VDOT, DEQ, DCR, VDH, ETC.) WHERE APPLICABLE.

3. ALL CONNECTIONS TO EXISTING WATERLINES SHALL BE PERFORMED BY THE AUTHORITY. THE CONTRACTOR SHALL PROVIDE FULL STAINLESS STEEL TAPPING SLEEVE(S) AND VALVE(S). THE CONTRACTOR SHALL EXCAVATE TO THE EXISTING WATER LINE, SHORE THE TRENCH PER OSHA REQUIREMENTS, CLEAN THE EXISTING WATERLINE, AND INSTALL THE TAPPING SLEEVE AND VALVE PRIOR TO THE AUTHORITY PERFORMING THE TAP. THE CONTRACTOR SHALL NOTIFY THE AUTHORITY'S UTILITY LINES SERVICES DIVISION AT 540-853-2792 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO REQUIRING THE CONNECTION.

4. PRIOR TO CONSTRUCTION IN THE RIGHT OF WAY, ALL APPLICABLE PERMIT(S) FROM THE GOVERNING JURISDICTION AND/OR AGENCY MUST BE OBTAINED BY THE CONTRACTOR AND A COPY KEPT ON THE PROJECT SITE.

5. CONTRACTOR SHALL MAINTAIN UTILITY SERVICE TO ALL EXISTING CUSTOMERS THROUGHOUT CONSTRUCTION. THIS MAY REQUIRE TEMPORARY CONNECTIONS AND/OR RELOCATION OF EXISTING SERVICE LINES AND METERS.

6. THE CONTRACTOR IS REQUIRED TO OBTAIN A VDOT LAND USE PERMIT PRIOR TO ANY WORK WITHIN THE RIGHT OF WAY BEING PERFORMED. PLEASE CONTACT LISA LEWIS (540-493-4127) OR JAY KNIGHT (540-526-7438) FOR INFORMATION RELATED TO THE VDOT LUP.

7. TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE MOST RECENT MUTCD MANUAL AND THE VIRGINIA WORK AREA PROTECTION MANUAL. ALL PAVEMENT REPAIRS SHALL BE IN ACCORDANCE WITH THE GOVERNING JURISDICTION'S STANDARDS (VDOT) OR OTHER AGENCY STANDARDS WHERE APPLICABLE.

8. THE CONTRACTOR SHALL NOTIFY THE AUTHORITY'S ENGINEERING COORDINATOR, MARK SINK. AT 540-537-3460 AT LEAST THREE (3) WORKING DAYS PRIOR TO CONSTRUCTION.

9. A PRE-CONSTRUCTION CONFERENCE SHALL BE SCHEDULED AT LEAST SEVEN DAY PRIOR TO ANY CONSTRUCTION.

10. THE CONTRACTOR SHALL HAVE A VALID MISS UTILITY TICKET PRIOR TO EXCAVATION. CONTRACTOR TO CONTACT MISS UTILITY AT 1-800-552-7001 PRIOR TO BEGINNING EXCAVATION A MINIMUM OF TWO (2) BUSINESS DAYS.

11. ALL EXISTING UTILITIES MAY NOT BE SHOWN OR MAY NOT BE SHOWN IN EXACT LOCATION. CONTRACTOR SHALL LOCATE ALL UTILITIES AND DETERMINE ALL INVERTS PRIOR TO CONSTRUCTION TO ALLOW FOR ADJUSTMENTS DUE TO THE CONFLICTS WITH OTHER UTILITIES. THE CONTRACTOR SHALL COMPLY WITH THE VIRGINIA STATE WATER WORKS REGULATIONS AND THE VIRGINIA STATE SEWAGE COLLECTION AND TREATMENT REGULATIONS WHERE LINES CROSS.

12. AN APPROVED SET OF PLANS AND PERMITS MUST BE AVAILABLE AT THE CONSTRUCTION SITE AT ALL TIMES.

13. CONSTRUCTION DEBRIS SHALL BE CONTAINERIZED IN ACCORDANCE WITH THE VIRGINIA LITTER CONTROL ACT.

14. PRIOR TO COMMENCING WORK, THE CONTRACTOR'S CERTIFIED RESPONSIBLE LAND DISTURBER SHALL OBTAIN AN EROSION AND SEDIMENT CONTROL PERMIT FOR THE PROJECT FOR THE LOCAL GOVERNING JURISDICTION (FRANKLIN COUNTY) AND DCR (IF REQUIRED). ALL EROSION AND SEDIMENT CONTROL MEASURES MUST BE IN ACCORDANCE WITH THE LATEST EDITION OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, AND SHALL BE INSTALLED PRIOR TO CONSTRUCTION.

15. THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS OF CLEANING ALL VEHICLES AND EQUIPMENT PRIOR TO ENTERING PUBLIC STREETS. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT THE STREETS ARE KEPT IN A CLEAN, MUD AND DUST FREE CONDITION AT ALL TIMES.

16. THE CONTRACTOR SHALL MAKE PROVISIONS TO PROVIDE ACCESS TO ALL PROPERTIES DURING CONSTRUCTION AND SHALL MAINTAIN SAFE ACCESSIBILITY TO FIRE HYDRANTS AT ALL TIMES. DRIVEWAYS TO REMAIN ACCESSIBLE. CONTRACTOR TO COORDINATE DRIVEWAY WORK WITH EACH INDIVIDUAL PROPERTY OWNER IN ADVANCE OF TAKING THE DRIVEWAY OFFLINE.

17. REMOVAL AND DISPOSAL OF EXISTING STRUCTURES SHALL BE IN ACCORDANCE WITH THE LATEST REVISION OF THE VDOT ROAD AND BRIDGE SPECIFICATIONS EXCEPT THE WORD ENGINEER SHALL BE CHANGED TO OWNER.

18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND UNCOVERING ALL MANHOLES AFTER PAVING. MANHOLE SHALL BE INSTALLED TO GRADE AND FLUSH WITH THE FINAL PAVEMENT. THE LONGITUDAL AND CROSS SLOPE OF THE MANHOLE MUST MATCH THE ROADWAY.

19. UNREPAIRED ROADWAYS OPENED TO TRAFFIC SHALL HAVE, AT A MINIMUM, COMPACTED AGGREGATE MATERIAL VDOT 21A OR 21B FLUSH WITH ADJACENT ROADWAY SURFACE AND SHALL BE INSPECTED AND REPAIRED ON A DAILY BASIS. SOME AREAS WILL REQUIRE A TEMPORARY PATCH UNTIL FINAL PAVING CAN BE COMPLETED.

20. THE CONTRACTOR SHALL NOT EXCAVATE MORE TRENCH LENGTH THAN CAN BE RESTORED WITHIN THE SAME WORK DAY. ALL TRENCHES SHALL BE BACKFILLED OR PLATED AT THE END OF EACH WORK DAY OR WHEN THE CONTRACTOR IS NOT ON SITE.

21. THE CONTRACTOR SHALL PROVIDE THE AUTHORITY WITH THE CORRECT AS-BUILT PLANS BEFORE SUBSTANTIAL COMPLETION IS GRANTED.

22. EXISTING IMPROVEMENTS THAT ARE REMOVED OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED IN THE SAME OR BETTER CONDITION, AT THE EXPENSE OF THE CONTRACTOR.

23. IN AREAS WHERE IT IS NECESSARY TO BENCH SLOPES TO INSTALL UTILITY LINES, FINAL SLOPES SHALL BE RESTORED TO THE ORIGINAL SLOPE OR TO THE SLOPE NECESSARY TO SUCCESSFULLY STABILIZE THE SLOPE.

24. CONTRACTOR SHALL BE RESPONSIBLE FOR SAFETY ON THIS SITE. CONTRACTOR SHALL INSTALL ANY BARRIERS, TEMPORARY FENCING, FLASHERS, LIGHTING, OR ANY OTHER MEANS NECESSARY TO PROTECT UNAUTHORIZED PERSONNEL FROM HAZARDOUS AREAS.

25. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING SURROUNDING STRUCTURES. CONTRACTOR SHALL PROVIDE SHORING, OR OTHER MEANS NECESSARY TO PROTECT ADJACENT BUILDINGS AND PROPERTY.

26. EXISTING MAILBOXES NOT SHOWN FOR CLARITY.

27. CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING A MAINTENANCE OF TRAFFIC PLAN AS PER VDOT STANDARDS AND THE INSTRUCTIONAL AND INFORMATIONAL MEMORANDUM 241.4. THE MAINTENANCE OF TRAFFIC PLAN SHALL BE APPROVED BY VDOT.

28. THE CURRENT EDITION OF THE VIRGINIA WORK AREA PROTECTION MANUAL MUST BE ADHERED TO AT ALL TIMES.

29. ALL EXISTING ROADSIDE DITCHES IMPACTED BY THE PROPOSED CONSTRUCTION SHALL BE FINE GRADED TO DRAIN AND PERMANENTLY SEEDED AS SOON AS WORK IS COMPLETED.

30. ANY REQUIRED PAVEMENT DISTURBANCE MUST MEET OR EXCEED THE EXISTING PAVEMENT SECTION OR FOLLOW THE VDOT LUP-OCPR SPECIFICATIONS FOR PAVEMENT REPLACEMENT. ALL PAVEMENT MUST BE REPAIRED WITHIN 48 HOURS TO AVOID IMPACTING THE SAFETY OF THE TRAVELING PUBLIC.

31. BACKFILL MATERIAL AND COMPACTION WITHIN VDOT RIGHTS-OF-WAY MUST MEET OR EXCEED ALL REQUIREMENTS FOUND IN THE CURRENT EDITION OF THE VDOT ROAD AND BRIDGE SPECIFICATIONS.

32. ALL FIRE HYDRANTS SHALL BE LOCATED TO PROVIDE AS MUCH CLEAR ZONE AS PRACTICAL BUT IN NO CASE LESS THAN 10' FROM THE TRAVELED WAY.

ADJACENT UTILITIES NOTES:

1. ALL EXISTING UTILITIES MAY NOT BE SHOWN OR MAY NOT BE IN THE EXACT LOCATION. THE CONTRACTOR SHALL COMPLY WITH STATE WATER WORKS REGULATIONS WHERE LINES CROSS.

2. CONTRACTOR SHALL CONSTRUCT CROSSING SUCH THAT EXISTING UTILITIES REMAIN FUNCTIONAL. CARE SHALL BE TAKEN TO PREVENT DISRUPTIONS TO EXISTING UTILITIES OR UNDERMINING OF SUPPORTING SOILS OR STRUCTURES.

3. CONTRACTOR SHALL EXERCISE CARE IN DETERMINING THE LOCATION OF ANY UNDERGROUND UTILITY TO AVOID DAMAGING OR DISRUPTING UTILITY SERVICE. IF CONTRACTOR INADVERTENTLY DAMAGES ANY UTILITY LINE OR CABLE, HE SHALL BE RESPONSIBLE FOR IMMEDIATELY CONTACTING THE AFFECTED UTILITY COMPANY FOR REPAIR, OR HAVE REPAIRED, THE DAMAGE AT HIS EXPENSE.

4. FOR UTILITIES THAT CANNOT BE DISTURBED OR TEMPORARILY REMOVED, CONSTRUCTION SHALL BE ACHIEVED BY TUNNELING, BORE & JACKING, OR A COMBINATION OF BOTH.

5. CONTRACTOR IS RESPONSIBLE FOR CONTACTING ANY AFFECTED UTILITY COMPANY FOR COORDINATION OF RELOCATIONS OR TEMPORARY SHORING OF UTILITY.

6. THE EXISTING UNDERGROUND UTILITIES SHOWN HEREON ARE BASED UPON AVAILABLE INFORMATION. UTILITIES MAY EXIST WITHIN THE CONSTRUCTION AREA OF THESE PLANS THAT ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION AND DEPTH OF ALL UTILITIES BEFORE COMMENCING WORK, AND FOR ANY DAMAGES WHICH OCCUR BY HIS FAILURE TO LOCATE SUCH UTILITIES. IF DURING CONSTRUCTION OPERATIONS THE CONTRACTOR SHOULD ENCOUNTER UTILITIES OTHER THAN THOSE SHOWN ON THESE PLANS, HE SHALL IMMEDIATELY NOTIFY THE ENGINEER AND TAKE NECESSARY AND PROPER STEPS TO PROTECT THE FACILITY AND ASSURE CONTINUANCE OF SERVICE. CALL MISS UTILITIES AT 1.800.552.7001 (TOLL FREE) 48 HOURS BEFORE DIGGING.

FIELD ADJUSTMENT NOTES:

1. PROPOSED WATERLINE AND LATERAL ALIGNMENTS ARE BASED ON AVAILABLE INFORMATION AND INDICATE THE GENERAL LOCATION AND ARRANGEMENT OF UNDERGROUND WATERLINE PIPING. INSTALL PIPING AS INDICATED, TO EXTENT PRACTICAL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL LATERALS, EXISTING UTILITIES, ETC.

2. EXISTING CONDITIONS MAY NECESSITATE SLIGHT ADJUSTMENTS IN THE ALIGNMENT AND GRADE. FIELD ADJUSTMENTS MAY NOT BE MADE THAT REDUCE THE CAPACITY OR SERVICEABILITY WITHOUT APPROVAL FROM ENGINEER. ALL FIELD ADJUSTMENTS SHALL BE APPROVED BY THE WESTERN VIRGINIA WATER AUTHORITY.

3. FIELD ADJUSTMENTS SHALL BE MADE WHEN A LESS DISRUPTIVE CONSTRUCTION ACTIVITY AND DISTURBANCE TO PRIVATE PROPERTY WILL NOT RESULT IN AN INCREASE IN CONTRACT PRICE OR DELAY TO THE SCHEDULE UPON APPROVAL OF AUTHORITY.

4. FIELD ADJUSTMENTS RESULTING IN A CHANGE IN SCHEDULE OR CONTRACT PRICE SHALL BE APPROVED BY THE AUTHORITY PRIOR TO CONSTRUCTION. NO CHANGES IN CONTRACT SCHEDULE OR PRICE WILL BE MADE FOR FIELD ADJUSTMENTS MADE WITHOUT AUTHORITY'S APPROVAL.

DEMOLITION NOTES:

1. CONTRACTOR SHALL REMOVE ALL OBSTRUCTIONS, INDICATED ON THE PLANS OR NOT, NECESSARY TO ACCOMPLISH THE WORK.

2. CARE SHALL BE TAKEN TO PROTECT EXISTING VEGETATION, TREES, RETAINING WALLS AND OTHER IMPROVEMENTS NOT REQUIRED TO BE REMOVED FOR CONSTRUCTION.

3. CONTRACTOR SHALL REPLACE AND REPAIR ALL LAWNS, TERRACES, FENCES, SIDEWALKS, CURBS, CROSS WALKS, GUTTERS, DRIVEWAYS, OR PAVEMENTS, AND REPAIR AND MAKE GOOD ALL OTHER DAMAGE THAT MAY OCCUR DURING CONSTRUCTION WORK.

4. CONTRACTOR SHALL REPLACE AND REPAIR AFFECTED CONSTRUCTION AREAS WITH MATERIALS CONSISTENT WITH EXISTING CONDITIONS.

5. CONTRACTOR SHALL BECOME FAMILIAR WITH PROJECT AREA TO INCLUDE REPAIR AND REPLACEMENT COSTS IN BID.

TREE PROTECTION NOTES:

1. PROVIDE TEMPORARY FENCE AROUND DRIP LINE OF INDIVIDUAL TREES OR DRIP LINE OF GROUPS OF TREES TO REMAIN.

2. DO NOT STORE CONSTRUCTION MATERIALS, DEBRIS, OR EXCAVATED MATERIAL WITHIN DRIPLINE OF TREES TO REMAIN.

3. DO NOT PERMIT VEHICLES, EQUIPMENT, OR FOOT TRAFFIC WITHIN DRIPLINE OF TREES TO REMAIN.

4. WHERE EXCAVATION FOR NEW CONSTRUCTION IS REQUIRED WITHIN DRIPLINE OF TREES TO REMAIN, HAND CLEAR AND EXCAVATE TO MINIMIZE DAMAGE TO ROOT SYSTEMS OR REQUEST A FIELD REVIEW WITH THE ENGINEER FOR APPROVAL OF AN ALTERNATE ROUTE.

GENERAL CONSTRUCTION NOTES:

1. DURING CONSTRUCTION, CONTRACTOR SHALL LIMIT DISRUPTION TO RESIDENTIAL ACCESS DRIVEWAYS, COORDINATE CONSTRUCTION ACTIVITIES THAT MAY AFFECT DRIVEWAYS WITH THE PROPERTY OWNER, AND PROVIDE OWNER WITH ACCESS BY END OF WORK DAY OR AS SOON AS POSSIBLE, DURING ALL TIMES OF CONSTRUCTION.

2. ALL WATER FIXTURES (METERS, VALVES, ETC...) INSTALLED BETWEEN EDGE OF PAVEMENT AND DITCH LINES SHALL BE INSTALLED 2 INCHES BELOW EXISTING GRADE. FIXTURES INSTALLED BEYOND DITCHES SHALL BE INSTALLED TO MINIMIZE DISRUPTION DURING MAINTENANCE OF ROADWAY.

3. ALL SERVICE LATERALS SHALL BE DIRECTIONAL BORED UNDER EXISTING VDOT ROADWAYS, UNLESS OTHERWISE NOTED.

4. SOILS FOR THIS SITE ARE UNCLASSIFIED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HIRE GEOTECHNICAL ENGINEER TO CLASSIFY SOILS, IF NEEDED.

5. ALL DRIVEWAYS SHALL BE RESTORED TO EQUAL OR BETTER CONDITION.

MATERIAL STAGING NOTES:

1. CONTRACTOR WILL BE RESPONSIBLE FOR DETERMINING A SUITABLE STAGING AREA FOR THE PROJECT. CONTRACTOR TO PROVIDE AN APPROVED EROSION AND SEDIMENT CONTROL PLAN TO THE COUNTY OF FRANKLIN ONCE A SITE LOCATED. STAGING AREA SHALL BE COORDINATED AND APPROVED BY THE COUNTY OF FRANKLIN BEFORE THE PRECONSTRUCTION MEETING.

EROSION CONTROL LEGEND:

- (SF) —X— SILT FENCE
- (IP) [diagonal lines] INLET PROTECTION
- (CIP) [diagonal lines] CULVERT INLET PROTECTION
- (COP) [diagonal lines] CULVERT OUTLET PROTECTION
- (PS) PERMANENT SEEDING
- (MU) MULCHING

- ABBREVIATIONS:
- APCO = AMERICAN ELECTRIC POWER
 - AVE.= AVEUNE
 - BLVD = BOULEVARD
 - BM = BENCHMARK
 - CMP = CORRUGATED METAL PIPE
 - CONC.= CONCRETE
 - DB = DEED BOOK
 - DEQ = DEPARTMENT OF ENVIRONMENTAL QUALITY
 - DI = DRAINAGE INLET
 - FES = FLARED END SECTION
 - FNC = FENCE
 - FND = FOUND
 - GIS = GEOGRAPHIC INFORMATION SYSTEM
 - INST = INSTRUMENT
 - LN = LANE
 - LP = LIGHT POLE
 - M.B. = MAP BOOK
 - MH = MANHOLE
 - MUTCD = MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
 - N/F = NOW OR FORMERLY
 - NTS = NOT TO SCALE
 - OHE = OVER HEAD ELECTRIC
 - Pg = PAGE
 - PK = PAVEMENT NAIL FOUND
 - PKS = PAVEMENT NAIL
 - PVC = POLYVYNILCHLORIDE PIPE
 - RCP = REINFORCED CONCRETE PIPE
 - SSMH = SANITARY SEWER MANHOLE
 - ST. = STREET
 - STMH = STORM MANHOLE
 - TNS = TRAVERSE NAIL SET
 - TRS = TRAVERSE ROD SET
 - VDOT = VIRGINIA DEPT OF TRANSPORTATION
 - WWA = WESTERN VIRGINIA WATER AUTHORITY

NO:	REVISIONS:	DATE:		OFFICE ADDRESS: 235 CLAIBORNE AVE. ROCKY MOUNT, VA 24151 NUMBERS: PHONE: 540-483-5975 FAX: 540-483-2221 WEBSITE WWW.EARTHENV.COM		FRANKLIN COUNTY / WESTERN VIRGINIA WATER AUTHORITY	DESIGN BY: JSW/CSF	PROJECT: ROUTE 122 WATER EXTENSION	DATE: 02/27/14
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