

Jul 16, 2014 - 1:15pm V:\Land\Projects\2013\003\Eng\Asbuilt - COVER-WL.dwg

GENERAL NOTES:

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE DRAWINGS, CHAPTER 22 OF THE FRANKLIN COUNTY CODE, AND THE WESTERN VIRGINIA WATER AUTHORITY (WVWA). THE CONTRACTOR SHALL MAINTAIN A COPY OF THE DRAWINGS AND SPECIFICATIONS AT THE SITE AT ALL TIMES DURING CONSTRUCTION. EARTHWORK, SITE GRADING, STORM DRAINAGE, AND PAVING SPECIFICATIONS AND DETAILS NOT COVERED BY THESE DRAWINGS AND THE SPECIFICATIONS SHALL CONFORM TO THE LATEST EDITION OF THE VDOT ROAD AND BRIDGE SPECIFICATIONS AND STANDARDS.
- THE TOPOGRAPHICAL INFORMATION SHOWN HEREON FOR HURT & PROFFITT SECTION OF PROJECT WAS PREPARED FROM AN ACTUAL FIELD SURVEY AS PER APRIL 11, 2013.
- THE CONTRACTOR SHALL VERIFY ALL DATA IN THE FIELD PRIOR TO CONSTRUCTION. CONTACT MISS UTILITY (TELEPHONE NO. 811) 48 HOURS PRIOR TO PERFORMING ANY EXCAVATION TO HAVE UNDERGROUND UTILITIES MARKED. THE CONTRACTOR SHALL PERFORM ANY TEST PIT WORK OR PROVIDE LOCATION SERVICES AS REQUIRED TO AVOID CONFLICTS WITH EXISTING UTILITIES.
- MINIMUM COVER OVER WATER LINE IS TO BE 3 FEET. PIPING SHALL BE INSTALLED TO ALLOW MINIMUM 18" VERTICAL SEPARATION BETWEEN NEW UTILITIES AND EXISTING OR PROPOSED UTILITIES.
- PROVIDE ALL CONNECTING PIECES AND TRANSITION PIECES REQUIRED TO MAKE FINAL PIPING CONNECTIONS. PROVIDE RESTRAINED JOINTS FOR ALL CARRIER PIPE INSTALLED IN CASING PIPE. ALL PIPING UNDER STRUCTURES SHALL BE PROVIDED WITH RETRAINED JOINTS.
- EROSION AND SEDIMENT CONTROL MEASURES SHALL COMPLY WITH THE VESCH, 1992 EDITION OR LATER. THE CONTRACTOR SHALL MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES AS NECESSARY AND SHALL BE RESPONSIBLE FOR ALL ADDITIONAL MEASURES AS DETERMINED BY FRANKLIN COUNTY.
- CONSTRUCTION LIMITS SHALL INCLUDE ALL DISTURBED AREAS. ALL DISTURBED AREAS SHALL BE SEEDED AND PROVIDED WITH EROSION CONTROL DURING AND AT THE END OF CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS, PERFORMING ALL TESTS AND PAYING ALL FEES & BONDS AS DEEMED NECESSARY BY FRANKLIN COUNTY, VDOT AND WVWA.
- CONTRACTOR RESPONSIBLE FOR COORDINATING WITH THE VIRGINIA DEPARTMENT OF TRANSPORTATION, FRANKLIN COUNTY, AND OTHER GOVERNING BODY, PERMITS AND INSPECTIONS AS REQUIRED.
- VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE CONSTRUCTED AND MAINTAINED FOR ALL DISTURBED AREAS IN ACCORDANCE WITH ALL LOCAL REQUIREMENTS AND THE LATEST EDITION OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK. ALL EROSION AND SEDIMENTATION CONTROL DEVICES SHALL BE INSTALLED AS A FIRST STEP IN CONSTRUCTION AND BEFORE EXCAVATION BEGINS.
- ALL SLOPES STEEPER THAN 2:1 SHALL BE PROTECTED WITH VDOT EC-2 EROSION CONTROL MATTING FROM TOP OF SLOPE TO TOE OF SLOPE. THE CONTRACTOR SHALL ENSURE THE PROPER INSTALLATION OF SUCH MEASURES IN ACCORDANCE WITH VIRGINIA EROSION AND SEDIMENT CONTROL REGULATIONS AND THE MANUFACTURER'S WRITTEN RECOMMENDATIONS.
- THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL CONFINED SPACE ENTRY REGULATIONS.
- MAINTAIN ALL OVERHEAD AND UNDERGROUND ELECTRICAL, TELEPHONE, WATER AND GAS SERVICES AND ALL OTHER UTILITIES DURING ENTIRE CONSTRUCTION PERIOD. UTILITY OUTAGES WILL NOT BE ALLOWED.
- THE CONTRACTOR SHALL MAINTAIN SURFACE DRAINAGE DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL PUMPS AND PIPING REQUIRED TO MAINTAIN SURFACE DRAINAGE.
- CONSTRUCT EXCAVATION SUPPORT SYSTEMS AS REQUIRED BY OSHA AND U.S. ARMY CORPS OF ENGINEERS SAFETY & HEALTH REQUIREMENTS MANUAL EM 385-1-1, SECTIONS 23 A AND 23 B, AND WHERE INDICATED ON THE DRAWINGS TO ADEQUATELY SUPPORT EXISTING SOIL AND ADJACENT STRUCTURES DURING EXCAVATION ACTIVITIES. THE CONTRACTOR SHALL PROVIDE THE OWNER WITH INSTALLATION DRAWINGS, SPECIFICATIONS, AND DESIGN CALCULATIONS STAMPED BY PROFESSIONAL ENGINEERING LICENSED BY THE COMMONWEALTH OF VIRGINIA FOR ALL EXCAVATION SUPPORT SYSTEMS.
- SUBSURFACE EXPLORATION HAS NOT BEEN PERFORMED FOR THE PROJECT SITE. ALL EARTHWORK EXCAVATION SHALL BE UNCLASSIFIED AND SHALL BE PERFORMED TO THE INDICATED ELEVATIONS AT NO ADDITIONAL COST TO THE OWNER. SEE PROJECT MANUAL FOR ADDITIONAL INFORMATION.
- THE CONTRACTOR SHALL BE FULLY LIABLE FOR REPAIR OF ANY DAMAGES ON PUBLIC OR PRIVATE PROPERTY CAUSED BY HIS CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL REPLACE ALL DISTURBED SURFACES IN KIND, INCLUDING PAVEMENT, STONE, DITCHES, MAILBOXES, STORM CULVERTS, FENCING, ETC. AT NO ADDITIONAL COST TO THE OWNER.
- ALL EXISTING SIGNS, CURBS, GUARDRAIL FENCING, STONE, STRUCTURES, LANDSCAPING, PLANTERS, SHRUBS, AND OTHER PHYSICAL IMPROVEMENTS TEMPORARILY REMOVED BY THE CONTRACTOR SHALL BE REPLACED TO ORIGINAL CONDITION.
- ALL DRIVEWAYS, PARKING LOTS AND ROADS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE SAW CUT AND REPLACED TO ORIGINAL CONDITION. ALL ASPHALT AND GRAVEL DRIVEWAYS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED TO ORIGINAL CONDITION.
- THE CONTRACTOR SHALL PROTECT EXISTING PAVED SURFACES. ANY DAMAGED PAVEMENT SHALL BE REPAIRED TO MATCH EXISTING. TRACKED EQUIPMENT WILL NOT BE ALLOWED ON PAVED SURFACES. ANY PAVEMENT MARKINGS DAMAGED BY CONSTRUCTION SHALL BE REPLACED IN KIND BY A PAVEMENT MARKING CONTRACTOR FROM THE VDOT PRE-QUALIFICATION LIST.
- ALL PROPERTY PINS DISTURBED DURING CONSTRUCTION SHALL BE REPLACED BY A LAND SURVEYOR LICENSED IN THE COMMONWEALTH OF VIRGINIA.
- THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EQUIPMENT, PIPING AND STRUCTURES INDICATED TO BE DEMOLISHED OFF THE OWNER'S PROPERTY IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. ELECTRICAL SYSTEMS ASSOCIATED WITH ALL EQUIPMENT INDICATED TO BE DEMOLISHED SHALL ALSO BE REMOVED.
- DISPOSE OF SURPLUS SOIL MATERIAL OFF THE OWNER'S PROPERTY IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.
- THE CONTRACTOR MAY USE JM EAGLE LOK 900 GASKETS OR APPROVED EQUAL WITHIN STEEL CASING PIPE WHERE CALLED FOR IN LIEU OF RESTRAINED JOINT PIPE.
- THE CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION FROM PROPERTY OWNERS FOR USE OF ANY ACCESS POINTS OTHER THAN THOSE LOCATED WITHIN RIGHT-OF-WAYS AND OBTAINED EASEMENTS. WRITTEN PERMISSION SHALL CONTAIN CONDITIONS FOR USE AND RESTORATION AGREEMENTS BETWEEN PROPERTY OWNER AND CONTRACTOR.
- TREES AND SHRUBS TO REMAIN IN PLACE SHALL BE ROPED OFF DURING GRADING OPERATIONS TO KEEP EQUIPMENT AWAY FROM ROOT SYSTEMS. THE CONTRACTOR SHALL MAKE SELECT CUTTING OF TREES, TAKING THE SMALLEST TREES FIRST, THAT ARE MANDATORY FOR CONSTRUCTION. WVWA AND PROPERTY OWNER'S DECISION SHALL BE FINAL ON DETERMINATION OF WHICH TREES SHALL BE CUT.
- ANY FENCING DISTURBED BY CONSTRUCTION SHALL BE IMMEDIATELY REPLACED OR SUPPLEMENTED BY TEMPORARY FENCING SUITABLE FOR INTENDED PURPOSE OF EXISTING FENCING. THE CONTRACTOR SHALL REPAIR AND/OR REPLACE DISTURBED FENCING TO ORIGINAL CONDITION.
- ALL CLEARED MATERIALS TO BE REMOVED FROM SITE AND DISPOSED OF LEGALLY AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL NOTIFY THE WVWA ENGINEERING COORDINATOR, MARK SINK, AT 540-537-3460 AT LEAST 3 DAYS PRIOR TO CONSTRUCTION.
- A PRECONSTRUCTION MEETING WILL BE SCHEDULED AT LEAST ONE DAY PRIOR TO ANY CONSTRUCTION.
- CONTRACTOR SHALL CONTACT MISS UTILITY AT 811 PRIOR TO DIGGING AND CONTRACTOR MUST HAVE A VALID MISS UTILITY TICKET PRIOR TO DIGGING.
- CONTRACTOR SHALL PROVIDE THE WVWA AND ENGINEER AUTHORITY WITH A CORRECT SET OF AS-BUILT PLANS AT THE END OF CONSTRUCTION.
- OPEN CUTTING REDBUD ROAD WILL REQUIRE A PERMIT FROM VDOT. THE VDOT CONTACT IS JAY KNIGHT, AREA LAND USE ENGINEER AT 540-526-7438.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC AT ALL TIMES AND FOR PROVIDING TEMPORARY TRAFFIC CONTROL MEASURES IN STRICT ACCORDANCE WITH VA WORK AREA PROTECTION MANUAL.

WATER LINE NOTES:

- THE PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 22 OF THE FRANKLIN COUNTY CODE AND THE LATEST EDITION OF THE WESTERN VIRGINIA REGIONAL DESIGN AND CONSTRUCTION STANDARDS.
- WATER LINE TO BE LOCATED 3' FROM THE EDGE OF PAVEMENT MINIMUM.
- SEPTIC SYSTEM DRAINFIELDS SHALL BE A MINIMUM OF 30 HORIZONTAL FEET FROM THE WATER LINE.
- POLYETHYLENE CASING IS REQUIRED FOR EACH SERVICE LINE THAT CROSSES UNDER PAVEMENT.
- WATER LINE SHALL BE CONSTRUCTED USING PVC C900 PIPE DR14 PC305 AND DUCTILE IRON PC 350.
- FERNCO COUPLINGS ARE TO BE USED AT ALL TRANSITIONS.
- MAINTAIN A MINIMUM OF 18" SEPARATION BETWEEN WATER LINE AND ANY STORM STRUCTURE.
- WHERE WATER LINE IS SHOWN DEFLECTING WITHOUT FITTINGS, THE CONTRACTOR IS TO FOLLOW THE PIPE MANUFACTURERS RECOMMENDATIONS. IF THE DEFLECTION CANNOT BE MADE, THE CONTRACTOR IS TO CONTACT THE ENGINEER FOR ASSISTANCE IN DETERMINING APPROPRIATE FITTING.
- PRESSURE REDUCING VALVES (PRV'S) WILL BE INSTALLED ON ALL SERVICE CONNECTIONS TO REDUCE THE PRESSURE TO 60 PSI.
- ALL PIPE, FITTINGS, AND APPURTENANCES SHALL BE RESTRAINED AND ANCHORED IN ACCORDANCE WITH THE STANDARD DETAILS. THRUST RESTRAINTS ARE REQUIRED FOR ALL BENDS AND TEES. IF MECHANICAL JOINT RESTRAINT SYSTEMS ARE USED, INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS AND RECOMMENDATIONS RELATED TO NUMBER OF JOINTS RESTRAINED.
- WATER LINES SHALL BE TESTED AT A PRESSURE OF 210 PSI.
- WATER LINES SHALL HAVE A MINIMUM COVER OF 3 FEET AND BE LAID DEEPER WHERE SHOWN ON THE PROFILES TO PROVIDE GRADES TO AIR RELEASES AND BLOW OFF VALVES, AND AS REQUIRED TO ALLOW FOR 18 INCHES OF SEPARATION BETWEEN PROPOSED WATER LINES AND EXISTING WATER OR SEWER LINES.
- GATE VALVES AND BOXES: PROVIDE AN EXTENDED VALVE STEM WHERE DEPTH TO TOP OF NUT EXCEEDS 5 FEET.
- CONTRACTOR TO DETERMINE FIRE HYDRANT RISER LENGTH FOR EACH HYDRANT LOCATION PRIOR TO ORDERING HYDRANTS.
- TRACER WIRE TO BE INSTALLED AS SHOWN ON DETAIL FOR ALL NON-METALLIC PIPE AND IN ALL CASINGS. TRACER WIRE TO BE INSTALLED WITH ALL PIPE FOR THIS PROJECT.
- CONTRACTOR MUST SCHEDULE A PRECONSTRUCTION MEETING WITH WVWA AT LEAST 24 HOURS PRIOR TO STARTING WORK.

Notes-ASBUILT

FOR

HALES POINT WATER SYSTEM

FRANKLIN COUNTY, VIRGINIA

PROJECT NO.	20130063
G.L. NO.	298-04-A1.3
FILE NO.	G-13930
DATE:	6/14/13
DRAWN BY:	WCH
CHECKED BY:	BLC



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EXCELLENCE

SHEET NO.

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2	9/5/13	WVWA COMMENTS
1	8/16/13	REVIEW AGENCY COMMENTS

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