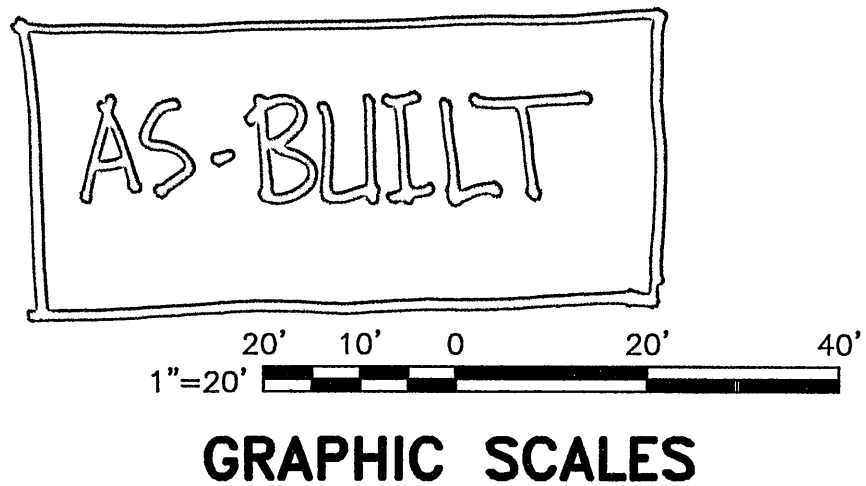


PLAN - LINES 100W, 101W & 200W
SCALE: 1"=20'

1. NOTIFY THE WESTERN VIRGINIA WATER AUTHORITY AT LEAST 72-HOURS PRIOR TO MAKING A CONNECTION TO AN EXISTING WATER MAIN. KEEP SERVICE OUTAGES TO A MINIMUM AND ONLY OUTAGES PRE-APPROVED BY THE WESTERN VIRGINIA WATER AUTHORITY WILL BE ALLOWED. ALTERNATE WORK SCHEDULES MAY BE REQUIRED TO ENSURE THESE OUTAGES OCCUR DURING PERIODS OF LOW DEMAND. PROVIDE TEMPORARY RELOCATIONS OF EXISTING WATER LINES, IF NECESSARY, TO MAINTAIN SERVICE.
2. DO NOT OPERATE EXISTING WATER VALVES. THE WESTERN VIRGINIA WATER AUTHORITY WILL OPEN/CLOSE VALVES WHEN NECESSARY.
3. OBTAIN PERMITS AND LICENSES REQUIRED BY THE COMMONWEALTH OF VIRGINIA, THE WESTERN VIRGINIA WATER AUTHORITY, OR OTHER GOVERNING AGENCIES, AS NECESSARY, TO COMPLETE THIS PROJECT. PAY FEES ASSOCIATED WITH OBTAINING THESE PERMITS.
4. PERFORM THE CONSTRUCTION STAKEOUT. MARK THE CENTERLINE AND NEW WATER MAINS AND APPURTENANCES. DO NOT PROCEED WITH WORK UNTIL THE ALIGNMENT HAS BEEN APPROVED BY THE WESTERN VIRGINIA WATER AUTHORITY.
5. FURNISH MATERIALS, LABOR AND EQUIPMENT AND PERFORM WORK, INCLUDING RESTORATION FOR THE COMPLETED WATER LINES, NECESSARY TO PROVIDE A COMPLETE SYSTEM READY FOR USE. UNLESS OTHERWISE NOTED, COMPLETE WORK IN ACCORDANCE WITH APPLICABLE STANDARDS AND CONSTRUCTION SPECIFICATIONS OF THE VIRGINIA DEPARTMENT OF TRANSPORTATION, THE VIRGINIA DEPARTMENT OF HEALTH, WESTERN VIRGINIA WATER AUTHORITY AND THESE CONTRACT DOCUMENTS.
6. ADJUST TOPS OF EXISTING AND/OR NEW VALVE BOXES TO MATCH FINISHED GRADE.
7. IF EXISTING UTILITIES ARE DAMAGED, IMMEDIATELY REPAIR TO PRE-CONSTRUCTION CONDITION.
8. FIELD VERIFY DIMENSIONS, ELEVATIONS, AND PIPE MATERIAL & LOCATIONS PRIOR TO ORDERING WATER PIPE, VALVES, FITTINGS, TAPPING SLEEVES AND ASSOCIATED APPURTENANCES.
9. LINE LENGTHS AND ASSOCIATED APPURTENANCES ILLUSTRATED HEREIN ARE FOR ESTIMATING PURPOSES ONLY. DETERMINE THE ACTUAL MATERIAL QUANTITIES REQUIRED TO FURNISH A COMPLETE WORKING SYSTEM, IN ACCORDANCE WITH THE INTENT OF THE DRAWINGS.
10. MAINTAIN A MINIMUM COVER FOR NEW WATER MAINS OF 3- FEET FROM TOP OF THE PIPE TO ESTABLISHED FINAL GRADE.
11. EXCAVATION FOR UNDERGROUND PIPE INSTALLATION MUST COMPLY WITH OSHA STANDARDS FOR THE CONSTRUCTION INDUSTRY (29 CFR PART 1926).
12. ALL EXISTING WATER SERVICES CONNECTED TO EXISTING WATER MAINS BEING ABANDONED SHALL BE CONNECTED TO THE NEW WATER MAINS PER WVWA STANDARDS AND SPECIFICATIONS.
13. ALL NEW WATER MAINS SHALL BE DISINFECTED AND PRESSURE TESTED IN ACCORDANCE WITH WVWA STANDARDS AND SPECIFICATIONS.
14. ALL CONNECTIONS TO EXISTING WVWA WATER MAINS SHALL BE DRY CONNECTIONS. WET TAPS WILL NOT BE REQUIRED.
15. CONSTRUCTION SEQUENCING:
 - A. CONSTRUCT NEW WATER MAINS TO WITHIN 5 FEET OF THE EXISTING WATER MAINS AND INSTALL NEW SERVICE LATERALS TO WITHIN 5 FEET OF THE EXISTING WATER METERS.
 - B. DISINFECT, OBTAIN BACTERIOLOGICAL SAMPLES, AND PRESSURE TEST THE NEW WATER MAINS.
 - C. SUBMIT BACTERIOLOGICAL AND PRESSURE TEST RESULTS TO THE WVWA FOR APPROVAL.
 - D. UPON RECEIPT OF APPROVAL FROM THE WVWA, SCHEDULE PLANNED OUTAGE WITH THE WVWA AT LEAST 72 HOURS IN ADVANCE.
 - E. THE WVWA WILL OPERATE ALL WATER VALVES NECESSARY TO MAKE A DRY CONNECTION TO THE EXISTING WATER MAINS.
 - F. ONCE ALL NECESSARY WATER VALVES HAVE BEEN CLOSED, MAKE CONNECTION TO EXISTING WATER MAINS, PLUG AND CAP EXISTING WATER MAINS TO BE ABANDONED.
 - G. THE WVWA WILL REOPEN ALL CLOSED VALVES.
 - H. CONNECT NEW SERVICE LATERALS TO EXISTING WATER METERS.

LEGEND		
EXISTING	NEW	DESCRIPTION
	---	DEMOLITION
(W)	(WV)	WATER VALVE
—W—	—W—	WATER LINE



SEALS

CONSULTANT

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FOR MERRIMAN ROAD
AND SOUTH COUNTY LIBRARY
AS-BUILT
ROANOKE COUNTY

ROANOKE COUNTY, VIRGINIA

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ROANOKE, VA 24016
(540) 857-3100
www.aecom.com

REV	DATE	DESCRIPTION	APP

PROJECT NO:	30233
PROJECT PHASE:	
ISSUE DATE:	FEBRUARY 19, 2010
DESIGNED BY:	MLP
DRAWN BY:	DWG
CHECKED BY:	JLL
SUBMITTED BY:	JSH

CIVIL

UTILITY PLAN
LINES 100W, 101W & 200W

CU101

M:\PROJECTS\30000SERIES\30233\CADD\DWG\KB1CUN_0101.DWG 30233 02/16/2010 14:52:24 SCHAEFFER, MATT
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