



MATCHLINE - SHEET C-16

EXISTING NOTE	TYPICAL NOTE TEXT	PROPOSED NOTE
	SANITARY LINE	
	STORM LINE	
	SANITARY DEWER LATERAL	
	UNDERGROUND WATER LINE	
	UNDERGROUND ELECTRIC LINE	
	UNDERGROUND GAS LINE	
	OVERHEAD WIRE	
	UNDERGROUND TELEPHONE LINE	
	UNDERGROUND CABLE LINE	
	STORM SEWER	
	SANITARY SEWER MAIN	
	WATER METER	
	WATER VALVE	
	GAS VALVE	
	GAS METER	
	TYPICAL END SECTION	
	REDNAIL OR ENDWALL	
	YARD INLET	
	CURB	
	CLEAN OUT	
	ELECTRIC MANHOLE	
	TELEPHONE MANHOLE	
	ELECTRIC BOX	
	ELECTRIC PEDESTAL	
	MONITORING WELL	
	TEST PIT	

UTILITY NOTES

1. ALL FILL MATERIAL IS TO BE IN PLACE AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
2. CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES 72 HOURS BEFORE CONNECTING TO ANY EXISTING LINE.
3. WATER LINES SHALL BE AS FOLLOWS:
A. ALL DUCTILE IRON PIPE SHALL BE PROVIDED WITH POLYETHYLENE CASING.
B. SANITARY DEWER LATERALS SHALL BE 12" DUCTILE IRON PIPE WITH MECHANICAL JOINTS AT LEAST 10 FEET ON BOTH SIDES OF CROSSING. THE OTHER END SHALL HAVE MECHANICAL JOINTS WITH APPROPRIATE TRENCHING AND BACKFILLING TO PROVIDE A MINIMUM OF 18" CLEARANCE. MEETING REQUIREMENTS OF AASHTO A191.11 OR AASHTO C-151 CLASS B.
4. TRENCH WIDTHS TO BE BASED ON PIPE DIAMETERS PER TOWN DETAILS SD-5 AND WD-12 TO ALLOW SUFFICIENT WORKSPACE FOR PROPER BEDDING AND COMPACTION. SEE SHEET D-11.
5. ALL WATER JOINTS ARE TO BE MECHANICAL JOINTS WITH THRUST BLOCKING AS SHOWN ON THE TOWN DETAILS.
6. IF FEASIBLE ALL UTILITIES SHOULD BE KEPT TEN (10') CLEAR (PARALLEL) OR WHEN CROSSING IF VERTICAL CLEARANCE (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE).
7. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 4'-0" COVER ON ALL WATER LINES UNLESS OTHERWISE SPECIFIED.
8. IN THE EVENT OF A VERTICAL CONFLICT BETWEEN WATER LINES, SANITARY LINES, STORM LINES AND GAS LINES EXISTING AND PROPOSED, THE SANITARY LINE SHALL BE DUCTILE IRON PIPE WITH MECHANICAL JOINTS AT LEAST 10 FEET ON BOTH SIDES OF CROSSING. THE OTHER END SHALL HAVE MECHANICAL JOINTS WITH APPROPRIATE TRENCHING AND BACKFILLING TO PROVIDE A MINIMUM OF 18" CLEARANCE. MEETING REQUIREMENTS OF AASHTO A191.11 OR AASHTO C-151 CLASS B.
9. LINES UNDERGROUND SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.
10. TOPS OF EXISTING MANHOLES SHALL BE ADJUSTED AS NECESSARY TO BE FLUSH WITH PROPOSED PAVEMENT ELEVATIONS.
11. ALL CONCRETE FOR ENCLOSUREMENTS SHALL HAVE A MINIMUM 28-DAY COMPRESSION STRENGTH AT 3000 P.S.I.
12. EXISTING UTILITIES SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION OF ANY NEW LINES.
13. REFER TO INTERIOR FLOORING DRAWINGS FOR TIE-IN OF ALL UTILITIES.
14. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE SPECIFICATIONS OF THE LOCAL AUTHORITIES (TOWN OF LEESBURG) WITH RESPECT TO MATERIALS AND INSTALLATION OF THE WATER AND SEWER LINES.
15. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO VERIFY EXACT FIELD LOCATION OF ALL UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATING ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
16. CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY LOCAL UTILITY SERVICE COMPANIES. THIS AND THE FINAL CONNECTIONS OF THE SERVICE SHALL BE COMPLETED 30 DAYS PRIOR TO STORE RECEPTION.
17. CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS.
18. UTILITIES SHOWN AS EXISTING IN PUBLIC RIGHT-OF-WAY (SEWER, STORM) AND THE ROADWAYS THEMSELVES ARE NOT CONSTRUCTED AT TIME OF WALMART'S CONSTRUCTION.
19. REFER TO BUILDING PLANS FOR SITE LIGHTING ELECTRICAL PLAN.
20. ALL CONNECTIONS TO EXISTING SANITARY SEWER MANHOLES MUST BE CORE DRILLED WITH A N/A APPROVED FLEXIBLE SLEEVE.
21. FOR GRAVITY SEWER APPLICATIONS, DUCTILE IRON PIPE AND FITTINGS (EPOXY COATED CLASS 50) ARE REQUIRED FOR PIPE DEPTHS LESS THAN 4' THAT ARE SUBJECT TO VEHICULAR LOADING.
22. ALL PIPE JOINTS AND CONNECTIONS MUST BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER ASTM AND VDOT REQUIREMENTS.
23. ALL THERMOPLASTIC PIPE JOINTS AND CONNECTIONS SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. ALL THERMOPLASTIC PIPE JOINTS AND CONNECTIONS SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. ALL THERMOPLASTIC PIPE JOINTS AND CONNECTIONS SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. ALL THERMOPLASTIC PIPE JOINTS AND CONNECTIONS SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
24. FOR CONCRETE UNDERGROUND UTILITY ENCLOSURE FRAME, REFER TO STRUCTURE DRAWING (SHEET C-19) FOR SANITARY SEWER CONNECTIONS. SEE PAGE 83 FOR STORM CONNECTIONS AND PAGE 83 FOR SANITARY SEWER CONNECTIONS. SEE PAGE 83 FOR STORM CONNECTIONS.
25. ALL IN-PLANT FIRE LINES, STUB-OUT VALVES, BENDS, TEES, CROSSERS, WYES, PLUGS AND CAPS SHALL HAVE POUR-IN-PLACE CONCRETE ANCHOR THRU-ROCK AGAINST UNDISTURBED EARTH.
26. STRUCTURES A19 AND B19 PROPOSED AS SIPHONIC MANHOLES WITH SLOTTED GRATES.
27. FILL HOLES FOR EXISTING UTILITIES AND PROPOSED UTILITIES SHALL BE INSTALLED TO A MINIMUM OF 18" COVER AND INSTALLED PER THE MANUFACTURER'S SPECIFICATIONS WITH A CONCRETE COLLAR AND A MINIMUM OF 8" OF GRAVEL BEDDING COMPACTED PER THE PROJECT SPECIFICATIONS.

- UTILITY KEYNOTES
- A. APPROXIMATE LOCATION OF ANY SEWER LATERAL AT 1.0% MIN. SLOPE. COORDINATE WITH ALL PLANS.
 - B. GAS ENTRY POINT. CONTRACTOR RESPONSIBLE FOR INSTALLING PIPE ROLLER AND METER. CONTRACTOR SHALL COORDINATE WITH GAS COMPANY FOR CONNECTION WITH GAS COMPANY REGARDING INSTALLATION OF SERVICE LINE.
 - C. FIVE FOOT CLEARANCE FOR TAMPING EQUIPMENT TO RUN ADJACENT TO 12" FIRE SERVICE LINE.
 - D. CONTRACTOR TO VERIFY EXACT LOCATION AND DEPTH OF EXISTING UTILITY COMPANY PRIOR TO INSTALLATION. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF CONCRETE COLLAR AND PIPE COLLAR. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF CONCRETE COLLAR AND PIPE COLLAR. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF CONCRETE COLLAR AND PIPE COLLAR.
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 - G. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE TELEPHONE COMPANY FOR THE INSTALLATION OF ANY ADDITIONAL OVERHEAD TELEPHONE LINES. CONTRACTOR TO COORDINATE WITH TELEPHONE COMPANY TO INSURE PROPER SEPARATION BETWEEN OVERHEAD LINES AND LIGHT POLES.
 - H. 2" DOMESTIC WATER LINE ENTRY PER TOWN OF LEESBURG REQUIREMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ANY APPURTENANCES ON THE DOMESTIC LINE SUCH AS BACKFLOW PREVENTION DEVICES, GATE VALVES, ETC. WHICH MAY BE REQUIRED. CONTRACTOR TO COORDINATE WITH TOWN OF LEESBURG.
 - I. SPRINKLER ENTRY CONTRACTOR SHALL BE REQUIRED TO INSTALL ANY APPURTENANCES ON THE SPRINKLER LINE SUCH AS, BUT NOT LIMITED TO: A DOUBLE DETECTOR CHECK BACKFLOW PREVENTION DEVICE, A SERIES WITH A CHECK VALVE, GATE VALVES, ETC. MEETING TOWN OF LEESBURG SPECIFICATIONS.
 - J. PROPOSED FIRE HYDRANT AND ASSEMBLY, TYPICAL AS INDICATED. SEE DETAIL SHEET 82 OUT OF 150.
 - K. REMOTE GARDEN CENTER UTILITIES PIPE BOLLARD. SEE DETAIL SHEET 82 OUT OF 150.
 - L. ALL LP CAMERA PULL BOXES LOCATED ON PAVED AREAS SUBJECT TO TRUCK TRAFFIC SHALL BE 4" 20' LOAD RATED, THE TYPICAL PULL BOX SIZE WILL BE 17" X 31" 28" SQUARE 10150828 BOX WITH PATTERNHAWK OR APPROVED EQUAL. DEEPER BOXES MAY BE REQUIRED WHEN THE CONDUIT ALIGNMENT IS AFFECTED BY OTHER UTILITIES. THE PULL BOX SHALL BE INSTALLED PER THE MANUFACTURER'S SPECIFICATION WITH A CONCRETE COLLAR AND A MINIMUM OF 8" OF GRAVEL COMPACTED PER PROJECT SPECIFICATIONS.
 - M. ONE 2" DIAMETER CARLON TYPE 100 DIRECT BURIAL TELEPHONE DUCT OR 3" SCHEDULE 40 PVC. INSTALL GALVANIZED PULL WIRE OR PURPLE PROPRIETARY POLYETHYLENE ROPE WITH A MINIMUM PULLING TENSION OF 100 POUNDS. THE MINIMUM BURIAL DEPTH SHALL BE 4". INSTALL AN ORANGE DETECTABLE HAZARD TAPE WITH INTEGRAL "BURIED CABLE" WORKING 12" ABOVE CONDUIT.
 - N. ONE 2" CONDUIT SHALL BE CARLON TYPE 100 DIRECT BURIAL TELEPHONE DUCT OR SCHEDULE 40 PVC. INSTALL GALVANIZED PULL WIRE OR PURPLE PROPRIETARY POLYETHYLENE ROPE WITH A MINIMUM PULLING TENSION OF 100 POUNDS. THE MINIMUM BURIAL DEPTH SHALL BE 4". INSTALL AN ORANGE DETECTABLE HAZARD TAPE WITH INTEGRAL "BURIED CABLE" WORKING 12" ABOVE CONDUIT. THE 2" LP CAMERA CONDUIT SHALL BE SEPARATED FROM THE HANGING LIGHT FIXTURE POWER BY A DIVIDER PLACED IN THE LIGHT POLE BASE JUNCTION BOX.

NO LP CAMERAS ARE REQUIRED WITH THIS PLAN.

ALERT TO CONTRACTOR:
ALL GENERAL CONTRACTOR WORK TO BE COMPLETED (BARTHWOR, FINAL UTILITIES, AND FINAL GRADING) BY THE MAINTENANCE DATE IN PROJECT DOCUMENTS.

REVISIONS

NO.	DATE	BY	DESCRIPTION
1			REVISED PER COUNTY AND TOWN COMMENTS
2			REVISED PER COUNTY AND TOWN COMMENTS
3			REVISED PER COUNTY AND TOWN COMMENTS

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UTILITY PLAN

WALMART SUPERCENTER #1904-005 - SPAM #1
CATOCTIN ELECTION DISTRICT,
LEESBURG, LOUDOUN COUNTY, VA

WAL-MART STORES, INC.
BENTONVILLE, AR

DRAWN: GRP
CHECKED: MJB
DATE: 12/22/16
SCALE: 1" = 30'
JOB NO: 1514800
SHEET: C-18
SHEET 21 OF 103

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