

PUBLIC SANITARY SEWER PLAN FOR BOTETOURT CONVENIENCE CENTER AND TRANSFER STATION

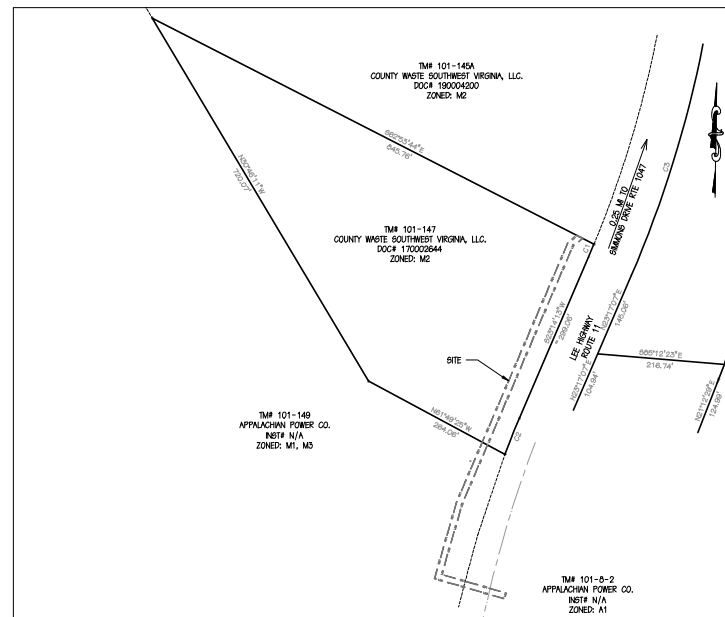
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SITE NOTES:

1. THIS PLAN HAS BEEN PREPARED TO EXTEND PUBLIC SEWER FOR THE BENEFIT OF TAX PARCELS 101-140A AND 101-147.
2. CONTRACTOR TO CONTACT COUNTY CONSTRUCTION COORDINATOR AND MS6 UTILITY (811) 48 HOURS IN ADVANCE OF ANY CONSTRUCTION ACTIVITY.
3. CONTRACTOR TO FIELD VERIFY ALL INSETS AND CONNECTION POINTS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. IF POTENTIAL CONFLICTS ARE DETECTED, CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY.
4. THIS TOPOGRAPHIC SURVEY WAS PREPARED BY PERKINS & ORRISON.
5. THE EXISTING UNDERGROUND UTILITIES SHOWN HEREON ARE BASED UPON AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES BEFORE COMMENCING WORK AND FOR ANY DAMAGES THAT OCCUR BY HIS/HER FAILURE TO LOCATE OR PRESERVE THESE UTILITIES. IF, DURING CONSTRUCTION, THE CONTRACTOR SHOULD ENCOUNTER UTILITIES OTHER THAN THOSE SHOWN ON THE PLANS HE/SHE SHOULD NOTIFY THE ENGINEER AND TAKE NECESSARY AND PROPER STEPS TO PROTECT THE FACILITY AND ASSURE THE CONTINUANCE OF SERVICE.
6. DISPOSE OF TREES, STUMPS AND OTHER DEBRIS OFF SITE.
7. ANY DISCREPANCIES FOUND BETWEEN THE DRAWINGS AND SITE CONDITIONS OR ANY DISCREPANCIES OR AMBIGUITIES IN THE DRAWINGS SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER. WORK DONE BY THE CONTRACTOR WITHOUT DIRECTION AFTER THE DISCOVERY OF SUCH INCONSISTENCIES SHALL BE DONE AT THE CONTRACTOR'S RISK.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL NECESSARY PERMITS BEFORE THE START OF CONSTRUCTION.
9. ALL PAVING AND CONCRETE FLATWORK SHALL BE AS PER APPLICABLE SECTIONS OF THE VDOT ROAD AND BRIDGE STANDARDS AND SPECIFICATIONS AND REFORM COUNTY STANDARDS AND SPECIFICATIONS.
10. ALL FILLS TO BE PLACED IN 6" LOOSE LIFTS AND COMPACTED TO 90% STD. PROCTOR.
11. ALL DISTURBED AREAS TO RECEIVE TEMPORARY SEEDINGS, PERMANENT SEEDINGS AND MULCH.
12. THIS PLAN DOES NOT INCLUDE THE RIGHT OF WAY IMPROVEMENTS PROPOSED FOR THE TRANSFER STATION. ANY CHANGES OR IMPROVEMENTS NOT SHOWN ON THIS PLAN MAY REQUIRE ADDITIONAL REVISIONS TO THIS PLAN.

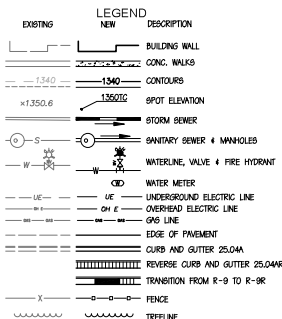
WMA WATER AND SEWER NOTES:

1. ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO THE LATEST EDITION OF THE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS OF THE WESTERN VIRGINIA WATER AUTHORITY (WVWA) AVAILABLE AT WWW.WESTERNVIRGINIAWATERAUTHORITY.COM OR BY CONTACTING THE AUTHORITY AT 540-853-1700. THE PROJECT SHALL ALSO COMPLY WITH THE GOVERNING JURISDICTION'S STANDARDS AND OTHER AGENCY STANDARDS (E.G., VDOT, DEQ, DCR, VWA, ETC.) WHERE APPLICABLE.
2. A MINIMUM COVER OF THREE (3) FEET IS REQUIRED ON ALL WMA WATER AND SEWER LINES.
3. ALL EXISTING UTILITIES MAY NOT BE SHOWN IN THEIR EXACT LOCATIONS. THE CONTRACTOR SHALL NOTIFY MS6 UTILITY AND SHALL VERIFY LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES IN THE AREAS OF CONSTRUCTION PRIOR TO STARTING WORK.
4. PLEASE SHOW ALL WMA WATER AND SEWER UTILITIES ON ANY DEVELOPMENT PLAN.
5. THE LOCATION OF EXISTING UTILITIES ACROSS OR ALONG THE LINE OF PROPOSED WORK ARE NOT NECESSARILY SHOWN ON THE PLANS AND WHERE SHOWN ARE ONLY APPROXIMATELY CORRECT. THE CONTRACTOR SHALL ON HIS OWN INITIATIVE AND AT NO EXTRA COST, LOCATE ALL UNDERGROUND LINES AND STRUCTURES AND POTPOLE AS NECESSARY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UNDERGROUND STRUCTURES. ALL DAMAGE INCURRED TO EXISTING UTILITIES DURING CONSTRUCTION SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
6. PLAN APPROVAL BY THE WMA DOES NOT REMOVE THE CONTRACTOR'S RESPONSIBILITY TO REMOVE OR RELOCATE ANY EXISTING CONFLICTS FOUND DURING CONSTRUCTION.
7. ALL PRIVATE UTILITY CONSTRUCTION, I.E. PIPING, VALVES, HYDRANTS, METERS AND BOXES, CLEAN OUTS, SANITARY SEWER MANHOLES, RECORDS, ETC. SHALL COMPLY WITH THE CURRENT VIRGINIA UNIFORM STATEWIDE BUILDING CODE (INCLUDING AMENDMENTS).
8. THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 10' CLEARANCE VERTICALLY AND TWO (2) FOOT MINIMUM HORIZONTALLY FROM THE OUTSIDE OF PIPE TO OUTSIDE OF PIPE WITH ALL OTHER UNDERGROUND UTILITIES, WHERE THIS CANNOT BE ACHIEVED, ADDITIONAL MEASURES IN ACCORDANCE WITH WMA STANDARDS SHALL BE ENFORCED.
9. ALL UTILITY GRADE ADJUSTMENTS SHALL BE IN ACCORDANCE WITH WMA STANDARDS AND ARE THE RESPONSIBILITY OF THE CONTRACTOR.
10. FIELD CHANGES SHALL BE SUBMITTED BY THE ENGINEER OF RECORD TO THE LOCALITY AND APPROVED BY THE WMA.



BOUNDARY INSERT

1" = 100'



ABBREVIATIONS

AB	ANCHOR BLOCK	HR	HORIZONTAL
BLDG	BUILDING	IN	INVERT
BC	BOTTOM FACE OF CURB	IN	INVERT N
BM	BENCHMARK	IO	INVERT OUT
CL	CENTERLINE	MAX	MAXIMUM
CL	CLAMP	MCH	MECHANICAL
CMF	CORRUGATED METAL PIPE	MT	MANHOLE
CO	CLEANOUT	MIN	MINIMUM
CONC	CONCRETE	PVC	PLAIN VERTICAL CURVE
DI	DROP INLET	PVC	POLYVINYL CHLORIDE
DA	DAMETER	PVT	END VERTICAL CURVE
DI	DUCTILE IRON PIPE	RC	REINFORCED CONCRETE PIPE
EA	EACH	SHT	SHEET
EC	EROSION CONTROL	STR	STRUCTURE
EL	ELEVATION	SW	SEWER
EP	EDGE OF PAVEMENT	T	TOP
ES	END SECTION	TBR	TO BE REMOVED
EX	EXISTING	TC	TOP BACK OF CURB
FB	FACE OF BUILDING	TYP	TYPICAL
FF	FINISHED FLOOR	VB	VERTICAL BEND
FI	FIRE HYDRANT	VDOT	VIRGINIA DEPARTMENT OF TRANSPORTATION
GV	GATE VALVE	WWM	WELDED WIRE MESH
HD	HORIZONTAL BEND	W	WITH
NC	NOT IN CONTRACT	WV	WEST VIRGINIA

CURVE TABLE				
CURVE	LENGTH	SPACING	BEARING	CHORD
C1	23.98'	1089.68'	N22°11'07"E	23.98'
C2	65.00'	1350.00'	S21°46'21"W	65.00'
C3	413.61'	1657.60'	N17°14'02"E	413.61'

CONTACT INFORMATION:

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CONSULTANTS

JOB:
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AND TRANSFER STATION
BOTETOURT COUNTY, VIRGINIA

CLIENT:
COUNTY WASTE SOUTHWEST VIRGINIA, LLC
C.O. DELBERT BEASLEY

MARK	DATE	DESCRIPTION
3	11/15/20	REV PER COMMENTS
2	10/07/20	REV PER COMMENTS
1	08/28/20	REV PER COMMENTS
MARK	DATE	DESCRIPTION
ISSUE:	4/6/20	
CONTOUR INTERVAL:	2'	
DESIGNED BY:	RTM	
DRAWN BY:	DBM	
CHECKED BY:	NBW	

SHEET TITLE

SEWER
COVER SHEET

C-200

18108 17. 21