

SOURCE: U.S.G.S. TOPOGRAPHIC QUADRANGLES:
GOODVIEW, VA AND MONETA SOUTHWEST, VA

INDEX MAP SCALE: 1" = 2000' GENERAL NOTES

- AERIAL SURVEY TO PROVIDE PLANIMETRIC AND TOPOGRAPHIC MAPPING WAS PROVIDED BY HURT AND PROFFITT, LYNCHBURG, VIRGINIA, IN MAY, 2003. AERIAL SURVEY SUPPLEMENTED BY THE FOLLOWING: "LAKE CENTER - S.M.L. EXECUTIVE PARK CENTRAL WATER SYSTEM", "FAIRWAY VILLAGE CENTER NEW WATER SERVICE" AND "LAKE CENTER (SHOPPING CENTER) SITE PLAN" PLANS PROVIDED BY BERKLEY HOWELL & ASSOC., SURVEY FOR DANNY WAYNE DELONG AND WESLEY H. DELONG BY GARRY N. COLEMAN, PLAT OF PROPERTY TO BE ACQUIRED BY MEMBER ONE FEDERAL CREDIT UNION AND PLAT OF PROPERTY TO BE ACQUIRED BY JAMES AND PATRICIA MCKELVEY BY CORNERSTONE LAND SURVEYING, INC., BINNEY SUBDIVISION PLAT BY SHARER ENGINEERING AND LAND SURVEYING, INC., AND FIELD INVESTIGATIONS PERFORMED BY THOMSON + LITTON.
- VERTICAL CONTROL IS BASED UPON MEAN SEA LEVEL, NORTH AMERICAN VERTICAL DATUM OF 1988.
- HORIZONTAL CONTROL IS BASED UPON THE VIRGINIA STATE PLANE SOUTH ZONE, NORTH AMERICAN DATUM 1983.
- PROPERTY INFORMATION, INCLUDING BOUNDARY LINES AND TAX MAP NUMBERS, SHOWN ON THESE PLANS IS APPROXIMATE AND IS BASED ON DIGITAL TAX MAPS PROVIDED BY FRANKLIN COUNTY.
- AIR RELEASE VALVES (ARV) SHALL BE LOCATED AT HIGH POINTS IN THE WATER LINE AND SHALL BE INSTALLED AS TO NOT INTERFERE WITH FUTURE VIRGINIA DEPARTMENT OF TRANSPORTATION MAINTENANCE OPERATIONS. ARV LOCATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
- BLOW-OFF VALVES (BOV) SHALL BE LOCATED AT LOW POINTS IN THE WATER LINE AND SHALL BE INSTALLED AS TO NOT INTERFERE WITH FUTURE VIRGINIA DEPARTMENT OF TRANSPORTATION MAINTENANCE OPERATIONS. BOV LOCATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
- MINIMUM PIPE COVER FOR WATER LINES SHALL BE 3'-0" UNLESS NOTED OTHERWISE.
- THE EXISTENCE AND LOCATION OF EXISTING UTILITIES ARE NOT GUARANTEED AND SHALL BE INVESTIGATED AND FIELD VERIFIED BY THE CONTRACTOR BEFORE STARTING WORK. ANY DAMAGE DONE TO EXISTING UTILITIES AND FACILITIES SHALL BE REPAIRED WITH THE UTILITIES AND FACILITIES RESTORED TO AT LEAST THEIR ORIGINAL CONDITION.
- THE CONTRACTOR SHALL CONTACT "MISS UTILITY OF VIRGINIA" 72 HOURS BEFORE ANY EXCAVATION WORK IS BEGUN. "MISS UTILITY OF VIRGINIA" MAY BE REACHED AT 1-800-552-3120. REFERENCE DESIGN TICKET NUMBERS A317101852, A317101873, A317101889, A317101900, A317101914, A317101925, A317101941, A317101951, A317101975, A317101984, A317101998, A317102011, A317102023 AND A317700769.
- WATER LINES AND APPURTENANCES ON V.D.O.T. RIGHT-OF-WAY SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE V.D.O.T. "ROAD AND BRIDGE SPECIFICATIONS", "ROAD AND BRIDGE STANDARDS," SPECIAL PROVISIONS-MP-63 AND SUBSEQUENT SPECIAL PROVISIONS-MP-71.
- ALL FINAL PAVEMENT PATCHES AND OVERLAYS WITHIN VDOT RIGHT-OF-WAY SHALL BE INSTALLED WITH A PAVING MACHINE AND SHALL MEET VDOT SPECIFICATIONS FOR PAVEMENT REPLACEMENT.
- WATER LINES AND APPURTENANCES SHALL BE INSTALLED AT A MINIMUM OF 3 FEET FROM THE EDGE OF PAVEMENT ALONG SECONDARY ROADWAYS AND 5 FEET ALONG PRIMARY ROADWAYS IN FILL SECTIONS AND AT A MINIMUM OF 18 INCHES BACK OF DITCH LINES IN CUT SECTIONS.
- WHERE WATER LINES CROSS ROADWAY DRAINAGE CULVERTS, THE WATER LINES MUST BE INSTALLED UNDER ALL VDOT DRAINAGE STRUCTURES WITH A MINIMUM CLEARANCE OF 18 INCHES, OR PROVISIONS SHALL BE MADE TO INSTALL THE WATER LINES AT LEAST 10 FEET FROM THE END OF THE DRAINAGE STRUCTURE IF CONDITIONS WARRANT NOT INSTALLING UNDER THE STRUCTURE.
- WATER METER LOCATIONS AND SERVICE LINE ROUTES SHALL BE DETERMINED IN THE FIELD BY A MUTUAL AGREEMENT BETWEEN THE HOMEOWNER/WATER SYSTEM OWNER, CONTRACTOR, AND ENGINEER.
- ALL UNPAVED AND UNGRAVELED AREAS DISTURBED BY EXCAVATION SHALL BE SEEDED.
- WORK SHALL NOT BE PERFORMED ON VDOT RIGHT-OF-WAY PRIOR TO THE ISSUANCE OF A LAND USE PERMIT BY VDOT.
- BEDDING AND BACKFILLING PROCEDURES/REQUIREMENTS FOR WATER LINES ARE CONTAINED IN SPECIFICATION SECTION 02221 OF THE PROJECT MANUAL.
- RIGHT-OF-WAY REQUIREMENTS, PRIVATE PROPERTY: A 20' WIDE PERMANENT EASEMENT 10' LEFT AND RIGHT OF WATER LINE AND A 40' WIDE TEMPORARY EASEMENT 20' LEFT AND RIGHT OF WATER LINE RIGHT-OF-WAY REQUIREMENTS, PUBLIC PROPERTY: CONSTRUCTION LIMITS ARE DEFINED BY THE PUBLIC RIGHT-OF-WAY. SEE APPENDIX B OF THE PROJECT MANUAL FOR SUPPLEMENTAL EASEMENT INFORMATION AND/OR REQUIREMENTS.
- OWNERSHIP OF DOCUMENTS - THIS DOCUMENT, INCLUDING THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF THOMPSON + LITTON AND IS NOT TO BE USED IN WHOLE OR IN PART FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF THOMPSON + LITTON.

GENERAL LEGEND

EXISTING	NEW	DESCRIPTION
— W —		WATER LINE
⌵	⌵	BLOW-OFF VALVE
⌵	⌵	GATE VALVE
△	▲	AIR RELEASE VALVE
⊙	⬮	FIRE HYDRANT
	▨	CASING PIPE
▭		BUILDING OR STRUCTURE
==		PAVED ROAD
— ROW — ROW —		DIRT/GRAVEL ROAD
— — — — —		RIGHT-OF-WAY
— — — — —		CULVERT
⊙		UTILITY POLE
— · — · — · —		STREAM/ShORELINE
— — — — —		COUNTY LINE
+++++		RAILROAD

SHEET INDEX

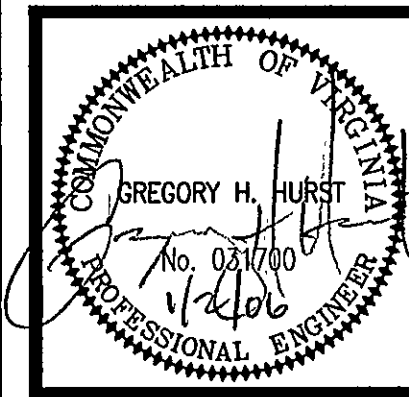
SHEET NO.	DESCRIPTION
1.	COVER SHEET
2.	SHEET INDEX, INDEX MAP, GENERAL NOTES, EROSION AND SEDIMENT CONTROL NOTES & LEGENDS
3.	PLAN AND PROFILE - LINE 100W
4.	PLAN AND PROFILE - LINE 100W
5.	PLAN AND PROFILE - LINE 100W
6.	PLAN AND PROFILE - LINES 100W & 200W
7.	PLAN AND PROFILE - LINES 100W & 300W
8.	PLAN AND PROFILE - LINE 100W
9.	PLAN AND PROFILE - LINE 100W
10.	PLAN AND PROFILE - LINES 100W, 101W, 102W & 103W
11.	PLAN AND PROFILE - LINES 100W & 102W
11A.	PLAN AND PROFILE - LINES 102W, 104W & 105W
11B.	PLAN - WESTLAKE VILLAGE BUSINESS PARK PHASE I WATER SYSTEM
12.	DELETED - PLAN AND PROFILE - LINE 200W
13.	PLAN AND PROFILE - LINE 300W
14.	PLAN AND PROFILE - LINES 300W, 301W & 302W
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16A.	PLAN - WINDTREE CENTRAL WATER SYSTEM
17.	BRIDGE CROSSING - PLAN
18.	BRIDGE CROSSING - PLAN & ELEVATION
19.	BRIDGE CROSSING - DETAILS/SECTIONS
20.	HEAT TRACE BUILDING - MECHANICAL/ELECTRICAL
20A.	DELETED - WESTLAKE PRV - MECHANICAL
21.	STANDARD WATER LINE DETAILS
22.	STANDARD WATER LINE DETAILS
23.	TYPICAL DETAILS - RESTRAINING DEVICES

EROSION AND SEDIMENT CONTROL NOTES

- EROSION AND SEDIMENT CONTROL SHALL BE IMPLEMENTED IN ACCORDANCE WITH ALL LOCAL REQUIREMENTS, THE EROSION AND SEDIMENT CONTROL PLAN FOR THIS PROJECT AND THE LATEST EDITION OF THE "VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK," BY THE DEPARTMENT OF CONSERVATION AND RECREATION, AS APPLICABLE.
- THE CONTRACTOR SHALL KEEP AT THE PROJECT SITE COPIES OF THE "VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK" AND THE EROSION AND SEDIMENT CONTROL PLAN FOR THIS PROJECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ANY ADDITIONAL EROSION AND SEDIMENT CONTROL FACILITIES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE PLAN-APPROVING AUTHORITY.
- ALL DISTURBED AREAS SHALL DRAIN TO APPROVED EROSION AND SEDIMENT CONTROL FACILITIES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES UNTIL FINAL STABILIZATION IS ACHIEVED.
- MATERIAL STOCKPILES SHALL BE CONTAINED WITHIN SEDIMENT BARRIERS. STOCKPILES THAT ARE TO REMAIN UNWORKED FOR MORE THAN 30 DAYS SHALL BE STABILIZED WITH TEMPORARY SEEDING WITHIN 7 DAYS AFTER THE COMPLETION OF STOCKPILING.
- TEMPORARY STABILIZATION SHALL BE INSTALLED WITHIN 7 DAYS ON DENUDED AREAS THAT ARE TO REMAIN DORMANT FOR GREATER THAN 30 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN ONE YEAR. PERMANENT STABILIZATION SHALL BE INSTALLED WITHIN 7 DAYS OF FINAL STABILIZATION.
- ALL AREAS WHICH REQUIRE SEEDING SHALL BE "TOPSOILED" AND STABILIZED WITH MULCH IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL PLAN AND SPECIFICATIONS FOR THIS PROJECT.
- THE CONTRACTOR SHALL INSPECT ALL EROSION AND SEDIMENT CONTROL FACILITIES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION AND SEDIMENT CONTROL FACILITIES SHALL BE MADE IMMEDIATELY. RECORDS OF ALL INSPECTIONS AND REPAIRS MADE TO EROSION AND SEDIMENT CONTROL FACILITIES SHALL BE MAINTAINED BY THE CONTRACTOR.
- NO MORE THAN 500 LINEAR FEET OF TRENCH MAY BE OPEN AT ONE TIME.
- EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES.
- PAVED OR PUBLIC ROAD SURFACES SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY.
- EFFLUENT FROM DEWATERING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH A DEWATERING STRUCTURE AND DISCHARGED IN A MANNER THAT DOES NOT ADVERSELY AFFECT FLOWING STREAMS OR OFF-SITE PROPERTY.
- WHEN WORK IN A LIVE WATERCOURSE IS PERFORMED, PRECAUTIONS SHALL BE TAKEN TO MINIMIZE ENCROACHMENT, CONTROL SEDIMENT TRANSPORT AND STABILIZE THE WORK AREA TO THE GREATEST EXTENT POSSIBLE DURING CONSTRUCTION.
- THE BED AND BANKS OF A WATERCOURSE SHALL BE STABILIZED IMMEDIATELY AFTER WORK IS COMPLETED IN THE WATERCOURSE.

EROSION AND SEDIMENT CONTROL LEGEND

SYMBOL	DESCRIPTION
— x — (SF)	SILT FENCE
▨ (CIP)	CULVERT INLET PROTECTION
(PS)	PERMANENT SEEDING
(TS)	TEMPORARY SEEDING
(TO)	TOPSOILING
(ML)	MULCHING



**Thompson
+ Litton**
Engineers
Architects
Planners

STATE ROUTE 122/BURNT CHIMNEY/SMITH MOUNTAIN LAKE
WATER DISTRIBUTION SYSTEM PROJECT
PHASE I
FOR THE
FRANKLIN COUNTY BOARD OF SUPERVISORS
SHEET INDEX, INDEX MAP, GENERAL NOTES,
EROSION AND SEDIMENT CONTROL NOTES & LEGENDS

No.	Date	Revision
	07/11/03	REVIEW DOCUMENTS ISSUED
	07/11/03	REV. DOCUMENTS ISSUED
	07/11/03	REV. DOCUMENTS ISSUED
	08/02/04	CONSTRUCTION DOCUMENTS ISSUED
	12/02/05	RECORD DOCUMENTS ISSUED

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Drawn:
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7363-03

Sheet No.
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