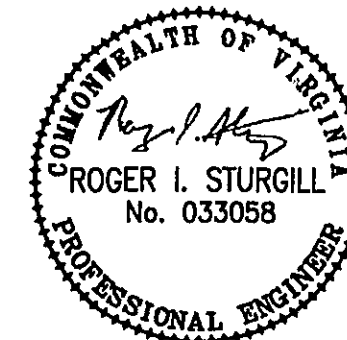




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MAPLE RIDGE

DIMENSIONAL PLAN

ROANOKE CITY, VIRGINIA

DRAWN BY: JVV

DESIGNED BY: JVV

CHECKED BY: SMH

DATE: 09/29/2006

REVISIONS:

1st - 02/26/2007
per City Review

2nd - 04/20/2007
per City Review

3rd - 05/15/2007
per City Review

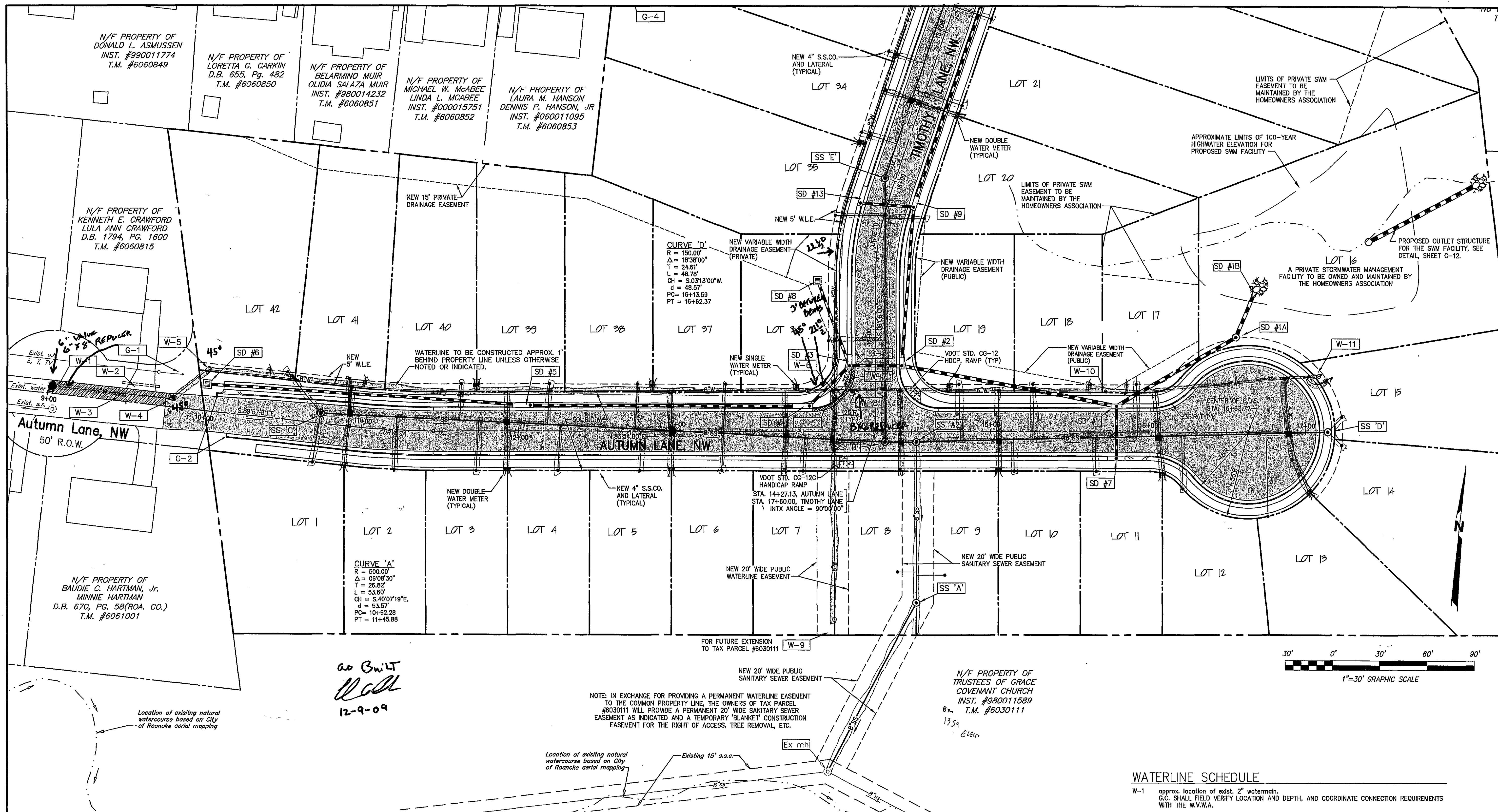
4th - 08/28/2007
Owner Revisions

5th - 09/20/2007
per City Review

SHEET NO.

C-4

JOB NO.
R0400131.03



GENERAL NOTES

- G-1 G.C. SHALL COORDINATE W/ AMERICAN ELECTRIC POWER(AEP) TO SUPPORT THE EXISTING POWER POLE AS MAY BE REQUIRED DURING INSTALLATION OF THE PROPOSED WATERLINE.
- G-2 PROVIDE A CURB TAPER AT PROPOSED END OF THE CURB & GUTTER, SEE DETAIL SHEET C-3.
- G-3 UPON COMPLETION OF THE INSTALLATION OF THE CURB & GUTTER AND STONE BASE, THE G.C. SHALL INSTALL TEMPORARY 'STOP SIGNS' AT THE INTERSECTION AS INDICATED. THE SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH PART 2 OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
- G-4 G.C. SHALL COORDINATE W/ AEP TO SUPPORT THE EXISTING POWER POLE AND GUY ANCHORS AS MAY BE REQUIRED DURING INSTALLATION OF THE PROPOSED ROADWAY AND ASSOCIATED GRADING.
- G-5 PROVIDE REVERSE CURB AND GUTTER SECTION. PROVIDE TRANSITION TO STANDARD CURB AND GUTTER SECTION AT EACH END OF CURVE.

SANITARY SEWER SCHEDULE

Ex. mh	Existing s.s. manhole G.C. TO CORE BORE EXISTING STRUCTURE, INSTALL NEW BOOT AND EXTEND 8" S.S. MAIN AS INDICATED. ALL WORK TO BE ACCOMPLISHED BY THE G.C. AND INSPECTED BY THE W.V.W.A.	SS 'C'	SANITARY SEWER MANHOLE STA. 10+73.45, 6.5' LT. ANGLE = 228°
SS 'A'	SANITARY SEWER MANHOLE STA. 14+53.13, 109.0' RT. ANGLE = 152°	SS 'D'	SANITARY SEWER MANHOLE STA. 17+14.27 ANGLE = 135° & 228°
SS 'A2'	SANITARY SEWER MANHOLE STA. 14+53.13, 6.5' RT. ANGLE = 90° & 269°	SS 'E'	SANITARY SEWER MANHOLE STA. 16+00.00, 6.5' RT. ANGLE = 199°
SS 'B'	SANITARY SEWER MANHOLE STA. 10+73.45, 6.5' LT. ANGLE = 183° & 270°	SS 'F'	SANITARY SEWER MANHOLE STA. 13+12.70, 6.5' LT. ANGLE = 141° & 250°
		SS 'G'	SANITARY SEWER MANHOLE STA. 11+82.65, 6.5' LT. ANGLE = 95°

NOTE: THE GENERAL CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT NECESSARY TO INSTALL, BACKFILL AND TEST ALL SANITARY SEWER COLLECTOR LINES AND ASSOCIATED STRUCTURES IN ACCORDANCE WITH THE WESTERN VIRGINIA WATER AUTHORITY WATER AND SEWER DESIGN & CONSTRUCTION STANDARDS, LATEST EDITION.

STORM DRAIN SCHEDULE

SD #1B	VDOT STD. ES-1 STA. 16+68, 88.0' LT. PRECAST END SECTION, W/STD. EC-1 CLASS 1 RIPRAP.	SD #6	VDOT STD. DI-7 TYPE A III GRATE STA. 10+00.2, 16.7' LT.
SD #1A	VDOT STD. MANHOLE STA. 16+56, 60.0' LT.	SD #7	VDOT STD. DI-3CC THROAT = 10" STA. 15+80.00, 16.5' RT.
SD #1	VDOT STD. DI-3CC THROAT = 6" STA. 15+80.00, 16.5' RT.	SD #8	VDOT STD. DI-1 STA. 16+84.5, 37.0' RT.
SD #2	VDOT STD. DI-3B THROAT = 6" STA. 17+18.00, 16.5' LT.	SD #9	VDOT STD. DI-3B THROAT = 10" STA. 16+11.67, 16.5' LT.
SD #3	VDOT STD. DI-3B THROAT = 8" STA. 17+18.00, 16.5' RT.	SD #10	VDOT STD. DI-3B THROAT = 10" STA. 13+71.19, 16.47' LT.
SD #4	VDOT STD. DI-3B THROAT = 12" STA. 13+86.13, 16.5' LT.	SD #11	VDOT STD. DI-3B THROAT = 10" STA. 13+43.60, 16.55' RT.
SD #5	VDOT STD. DI-3B THROAT = 12" STA. 12+07.42, 16.5' LT.	SD #12	VDOT STD. DI-7 TYPE A III GRATE STA. 13+43.6, 82.1' RT.
		SD #13	VDOT STD. DI-3B THROAT = 12" STA. 16+19.37, 16.45' RT.

NOTE: THE GENERAL CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT NECESSARY TO INSTALL, BACKFILL AND TEST ALL STORM DRAIN AND ASSOCIATED STRUCTURES IN ACCORDANCE WITH THE VIRGINIA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE STANDARDS AND SPECIFICATIONS, LATEST EDITION.

WATERLINE SCHEDULE

- W-1 approx. location of exist. 2" watermain. G.C. SHALL FIELD VERIFY LOCATION AND DEPTH, AND COORDINATE CONNECTION REQUIREMENTS WITH THE W.V.W.A.
- W-2 G.C. SHALL COORDINATE WITH PROPERTY OWNER TO MAINTAIN ACCESS TO THE DWELLING AT ALL TIMES.
- W-3 PROPOSED PAVEMENT PATCH. INSTALLATION SHALL BE IN ACCORDANCE WITH CITY OF ROANOKE RIGHT OF WAY EXCAVATION AND RESTORATION STANDARDS - FIRST EDITION.
- W-4 45° BEND, APPROX. STA. 9+79, 5' LT.
- W-5 45° BEND, APPROX. STA. 10+00, 26' LT.
- W-6 8"x8" CROSS AND THREE(3) 8" GATE VALVES, STA. 14+01.1, 26' LT. REFER TO PLAN VIEW TO INSURE THAT GATE VALVE TOPS ARE LOCATED AWAY FROM THE EDGES OF THE PROPOSED SIDEWALK OR CURBING.
- W-7 FIRE HYDRANT ASSEMBLY REQUIRED, STA. 14+08, 34' LT.
- W-8 8" GATE VALVE AND AN 8"x6" REDUCER, APPROXIMATE STA. 14+15, 26' LT.
- W-9 BLOWOFF ASSEMBLY FOR MAINLINE TEMPORARY TERMINATION, STA. 14+01, 120' RT.
- W-10 IN-LINE BLOWOFF ASSEMBLY AT CONSTRUCTED LOW POINT OF WATERLINE ALONG AUTUMN LANE.
- W-11 AIR RELEASE VALVE AND A PERMANENT END OF LINE ASSEMBLY AS INDICATED.
- W-12 STD. FIRE HYDRANT ASSEMBLY, STA. 10+65, 16.5' RT.
- W-13 REMOVE EXISTING 8" PLUG AND EXTEND 8" WATERMAIN ONE (1) PIPE JOINT, PROVIDE A 22 1/2' BEND AND EXTEND 8" WATERMAIN ALONG TIMOTHY LANE TO INTERSECTION WITH AUTUMN LANE.
- NOTE: THE GENERAL CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT NECESSARY TO INSTALL, BACKFILL AND TEST ALL WATERLINE AND ASSOCIATED APPURTENANCES IN ACCORDANCE WITH THE WESTERN VIRGINIA WATER AUTHORITY WATER AND SEWER DESIGN & CONSTRUCTION STANDARDS, LATEST EDITION.