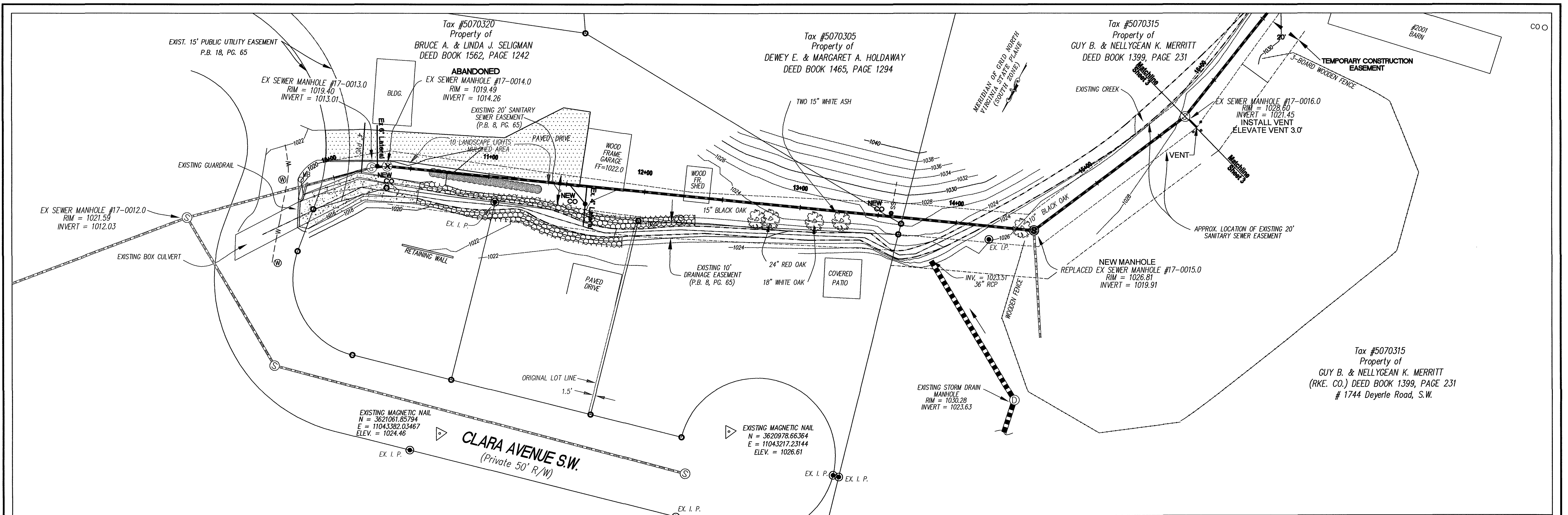
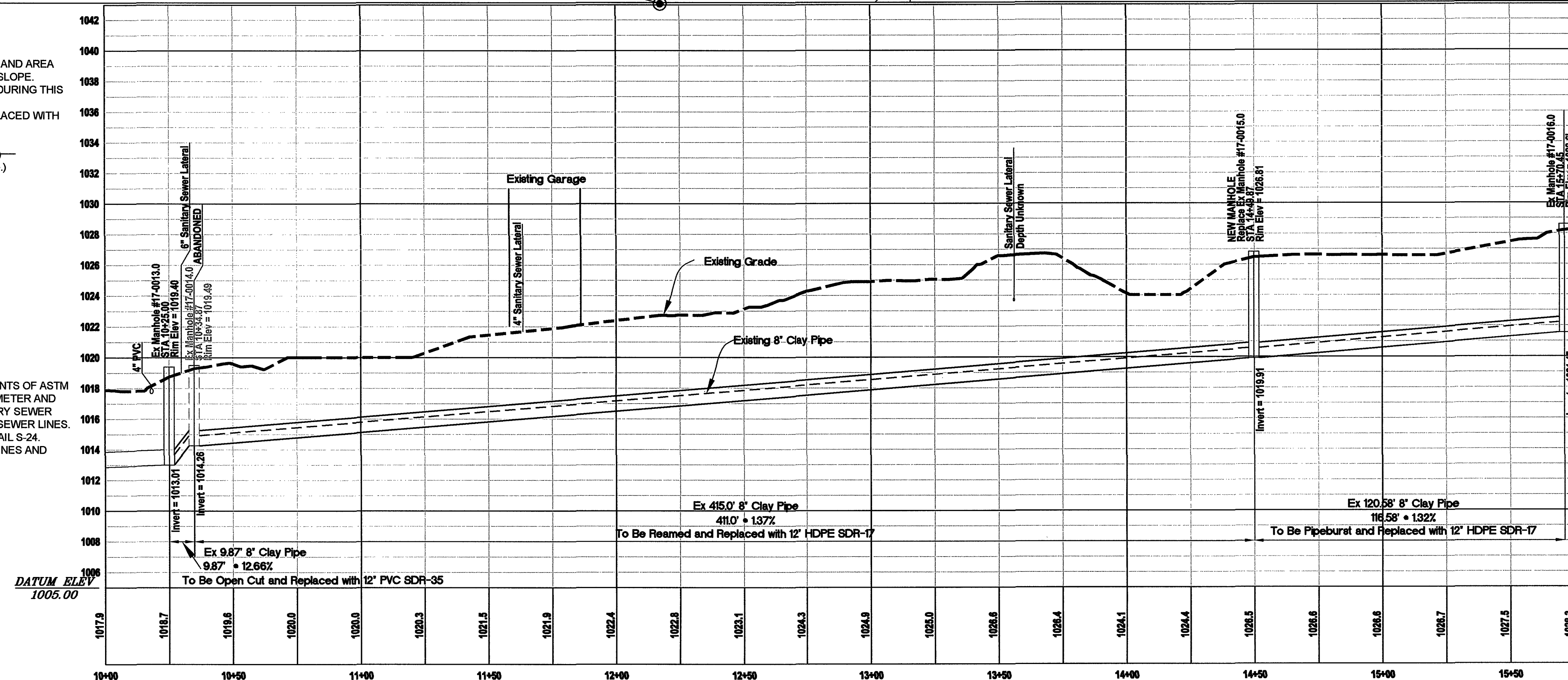




CONSTRUCTION NOTES:

1. NEW MANHOLES TO BE INSTALLED APPROXIMATELY 6"-12" ABOVE GRADE AND AREA AROUND MANHOLE RIM SHALL BE FINE GRADED TO TOP OF RIM WITH 2:1 SLOPE.
2. NO EQUIPMENT SHALL BE ALLOWED TO CROSS THE CREEK AT ANY TIME DURING THIS PROJECT.
3. THE FOLLOWING MANHOLES SHALL HAVE THEIR FRAME AND COVER REPLACED WITH BOLT DOWN MANHOLE COVERS AS PART OF THIS PROJECT:
 17-0012.0 (New Manhole Replacement)
 17-0017.0 (To be replaced if pipebursting, open cut method will abandon manhole.)
 17-0016.0 (To be replaced if pipebursting, open cut methods will abandon manhole.)
 17-0019.0
 17-0013.0
 17-0015.0
 See Off-Site Frame and Cover Replacement Sheet for the following manholes:
 17-0012.0
 17-0011.0
 17-0010.0
 17-0009.0
 17-0008.0
 17-0007.0
 17-0006.0
 17-0005.0
 17-0004.0
 17-0003.0
 OFF-SITE WORK NOT COMPLETED
4. ALL HDPE PIPE USED FOR SANITARY SEWER SHALL MEET THE REQUIREMENTS OF ASTM F714 POLYETHYLENE (PE) PLASTIC PIPE (SDR-17) BASED ON OUTSIDE DIAMETER AND ASTM 3350 CELL CLASSIFICATION 345464E. ALL HDPE USED FOR SANITARY SEWER SHALL HAVE A LIGHT COLOR INTERIOR TO ASSIST WITH TELEVISIONING THE SEWER LINES.
5. ABANDON MANHOLES - REMOVE TOP 2' AND BACKFILL. SEE SHEET 8 DETAIL S-24.
6. DRIVEWAY AT 3346 CLARA AVENUE SHALL BE SAWCUT (WITH STRAIGHT LINES AND PERPENDICULAR CORNERS) AND NEATLY PATCHED.



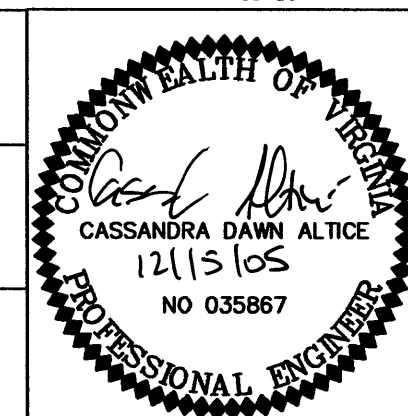
LEGEND	
	Property Corner
	Ex. Iron Pipe
	Ex. Sanitary Sewer Manhole
	Ex. Sanitary Sewer Pipe
	New Sanitary Sewer Manhole
	New Sanitary Sewer - Open Cut
	Ex Water Manhole
	Ex Water Pipe
	Proposed Pipebursting

Record Drawings 5/1/2006

**WESTERN VIRGINIA
WATER AUTHORITY**

ENGINEERING SERVICES
601 S. JEFFERSON STREET
ROANOKE, VIRGINIA 24011
PHONE: (540) 853-5641

DESIGNED: CDA
DRAWN: CDA
CHECKED: JGR



VERTICAL SCALE:
1" = 5'
HORIZONTAL SCALE:
1" = 30'

REV.	DATE	DESCRIPTION
1	5/1/06	ASBUILT

DATE:
3/15/06
AUTOCAD DRAWING NAME:

**CLARA AVENUE SEWER UPSIZING -
PIPEBURSTING/OPEN CUT OPTION
PLAN AND PROFILE
CITY of ROANOKE, VIRGINIA**

SHEET
2 of 5
PLAN NO.
6HAL94