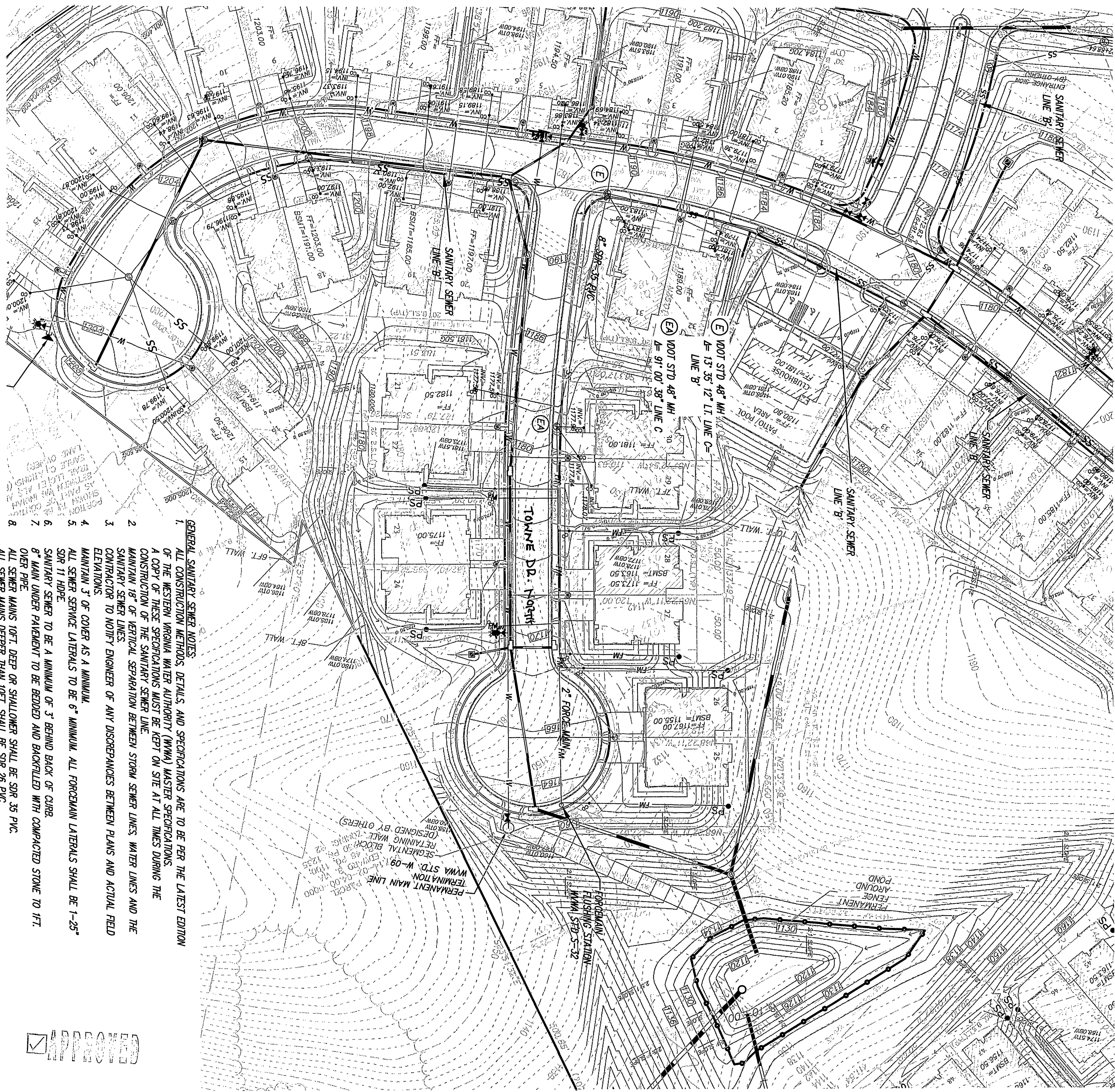
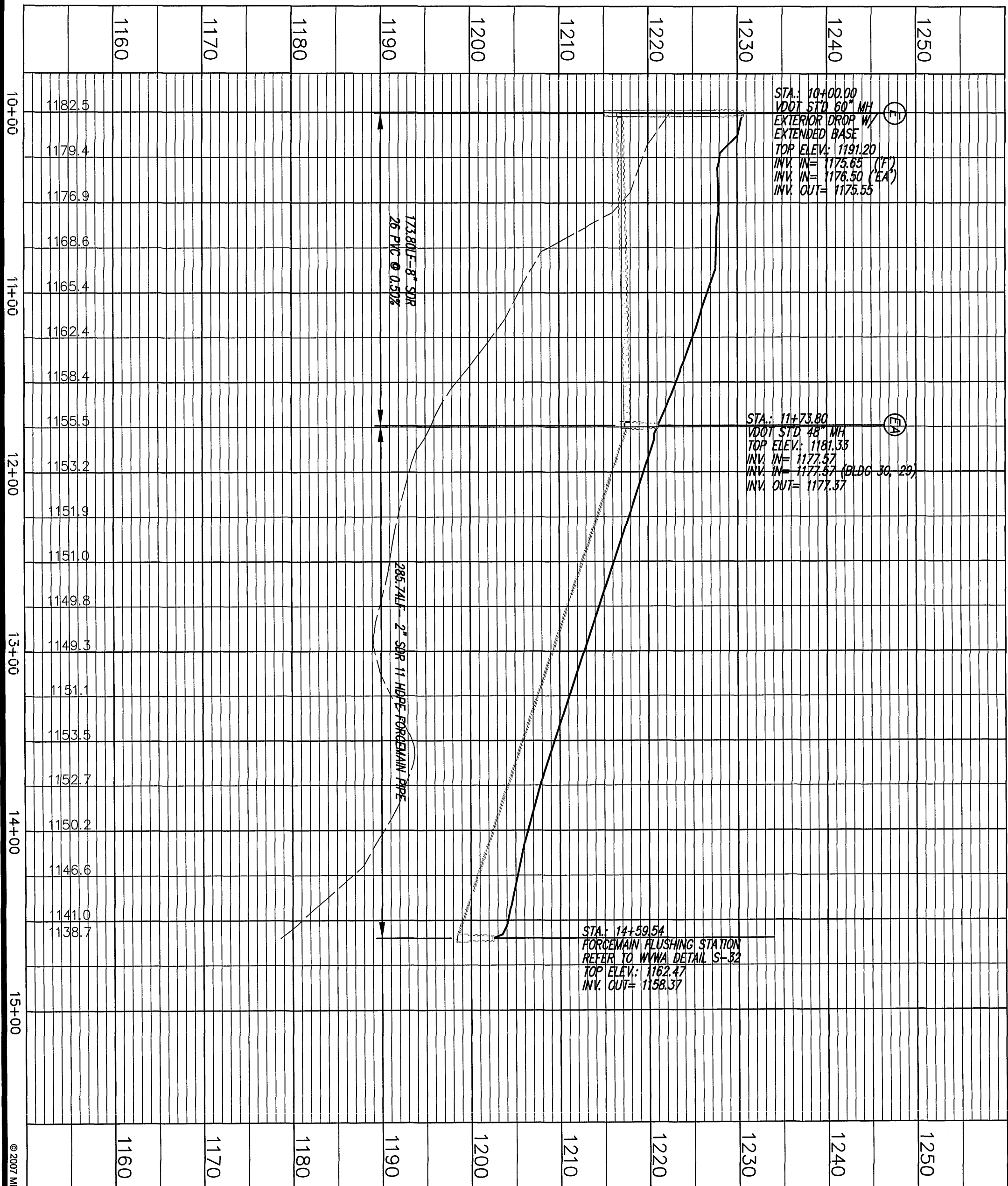




SANITARY SEWER LINE 'B'

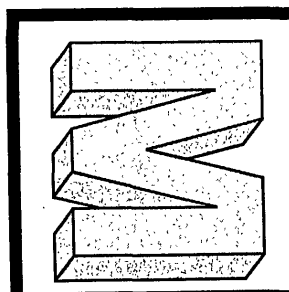
SANITARY SEWER LINE 'C'

1. ALL CONSTRUCTION METHODS, DETAILS, AND SPECIFICATIONS ARE TO BE PER THE LATEST EDITION OF THE MICHIGAN WATER AUTHORITY (MWA) MASTER SPECIFICATIONS.
2. CONSTRUCTION OF THE SANITARY SEWER LINE.
3. MAINTAIN 18" OF VERTICAL SEPARATION BETWEEN STORM SEWER LINES AND THE SANITARY SEWER LINES.
4. MAINTAIN 3' TO 4' HORIZONTAL SEPARATION OF ANY DISCHARGEMENTS BETWEEN PIPES AND ACTUAL FIELD ELEVATIONS.
5. MAINTAIN 3' OF COVER AS A MINIMUM.
6. ALL SANITARY SERVICE LATERALS ARE TO BE 6" MINIMUM. ALL THROUGH-DRAIN LATERALS SHALL BE -28".
7. SANITARY SEWER TO BE A MINIMUM OF 3' BENCH MARK OR CURB.
8. OVER THE PIPES SHALL BE A MINIMUM OF 18" OF COVER.
9. ALL PIPES UNDER PAVEMENT TO BE BEDDED AND BACKFILLED WITH COMPACTED STONE TO FIT OVER THE PIPES. MANUS. NOT DEEPER THAN 36" SHALL BE SOR 36" MC.
10. ALL SEWER MANUS DEEPER THAN 36" SHALL BE SOR 36" MC.
11. BUILDINGS 22' THRU 28' AND BUILDINGS 28' THRU 40' FORCE MAIN LATERALS SHALL BE CONSTRUCTED WITH SANITARY SERVICE PRESSURE. LATERALS DEEPER THAN 36" SHALL BE SOR 36" MC.

SEWER LINE 'C'

10 50 25 05

SITE DEVELOPMENT PLAN FOR THE TOWNES AT HIDDEN VALLEY WINDSOR HILLS DISTRICT, ROANOKE COUNTY, VIRGINIA



MIKE MORGAN ENGINEERING, LLC
14350 SOMMERVILLE COURT
MIDLOTHIAN, VA 23113
Office: 804.419.2559
Fax: 804.419.2558

REVISION	
1 - PER COUNTY COMMENTS	
2- 10/03/07- PER VDOT AND	
PER COUNTY COMMENTS	
3- 11/06/07- PER COUNTY	
COMMENTS	
4- 12/11/07- PER VDOT	
COMMENTS	

COMMONWEALTH OF VIRGINIA
MICHAEL D. MORONEY
Lic. No. 041247
12/11/07
PROFESSIONAL ENGINEER

MME PROJECT NUMBER	
2006-125	
DRAWN BY:	CHECK BY:

DATE	ISSUE
03/21/07	12/11/06

**SHEET 1111E
SANITARY SEWER
AND C PLAN AND
PROFILE SHEET**