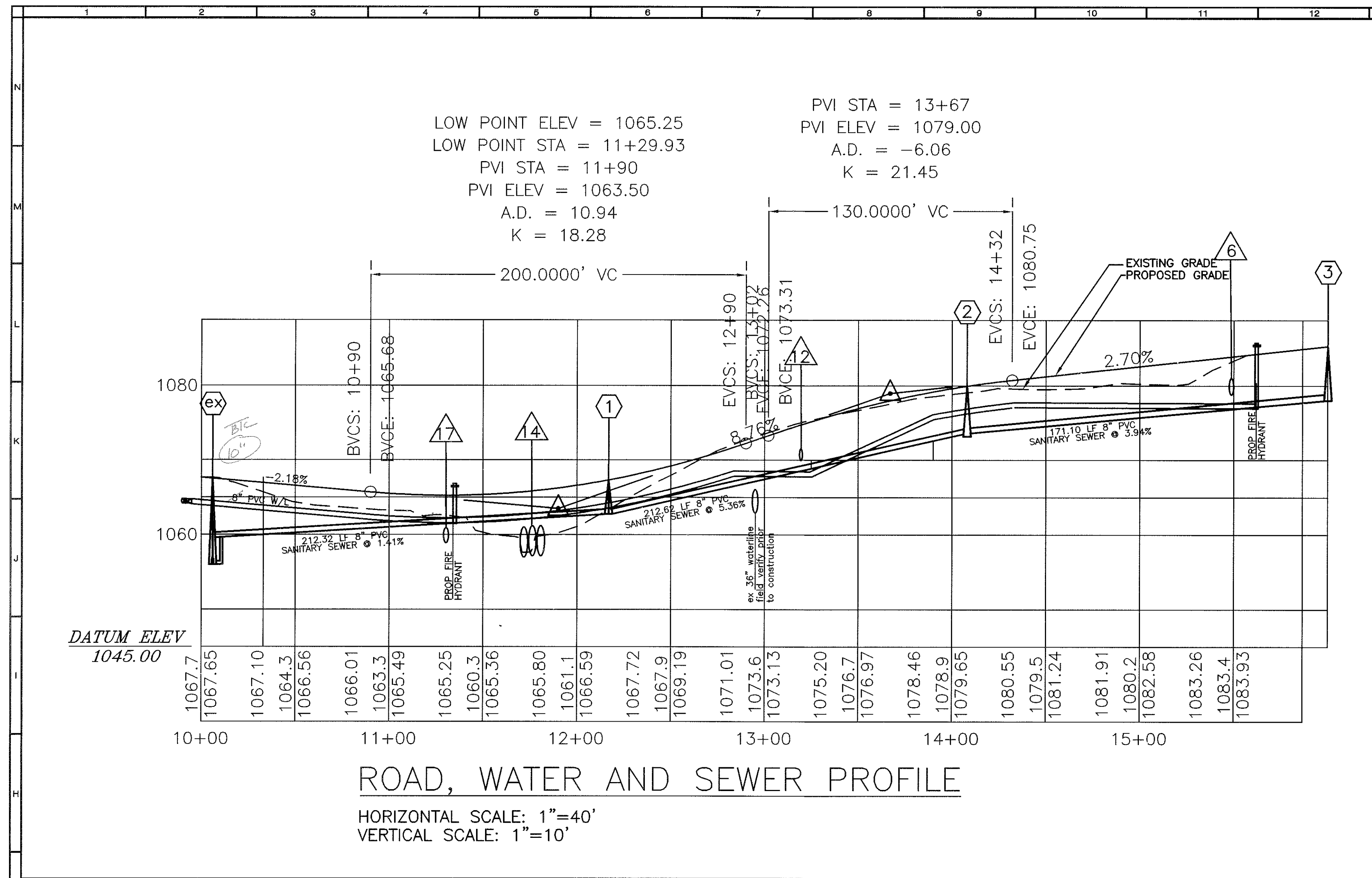




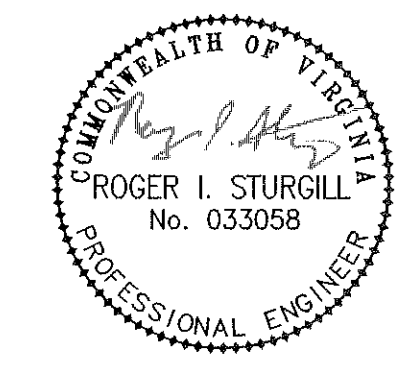
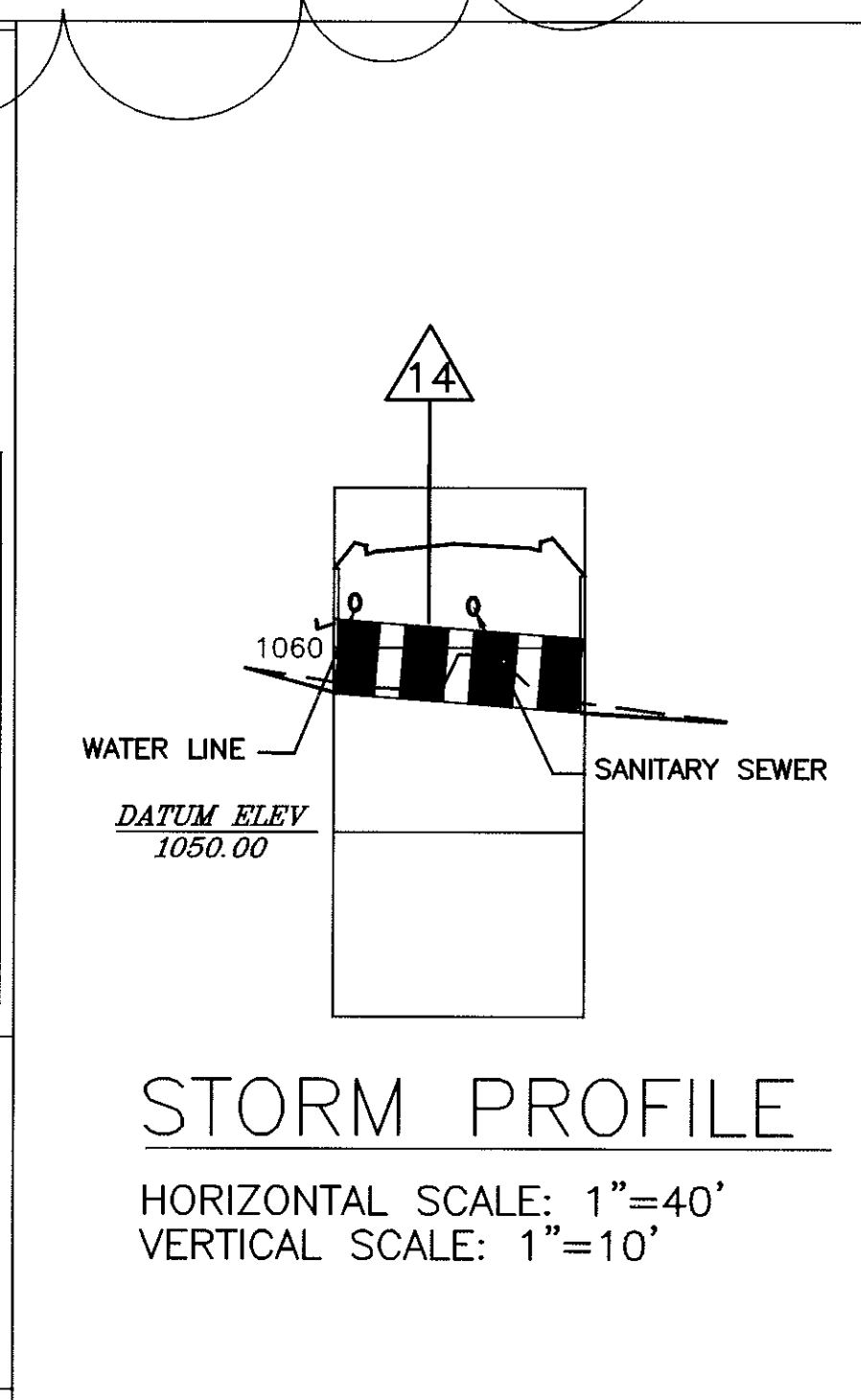
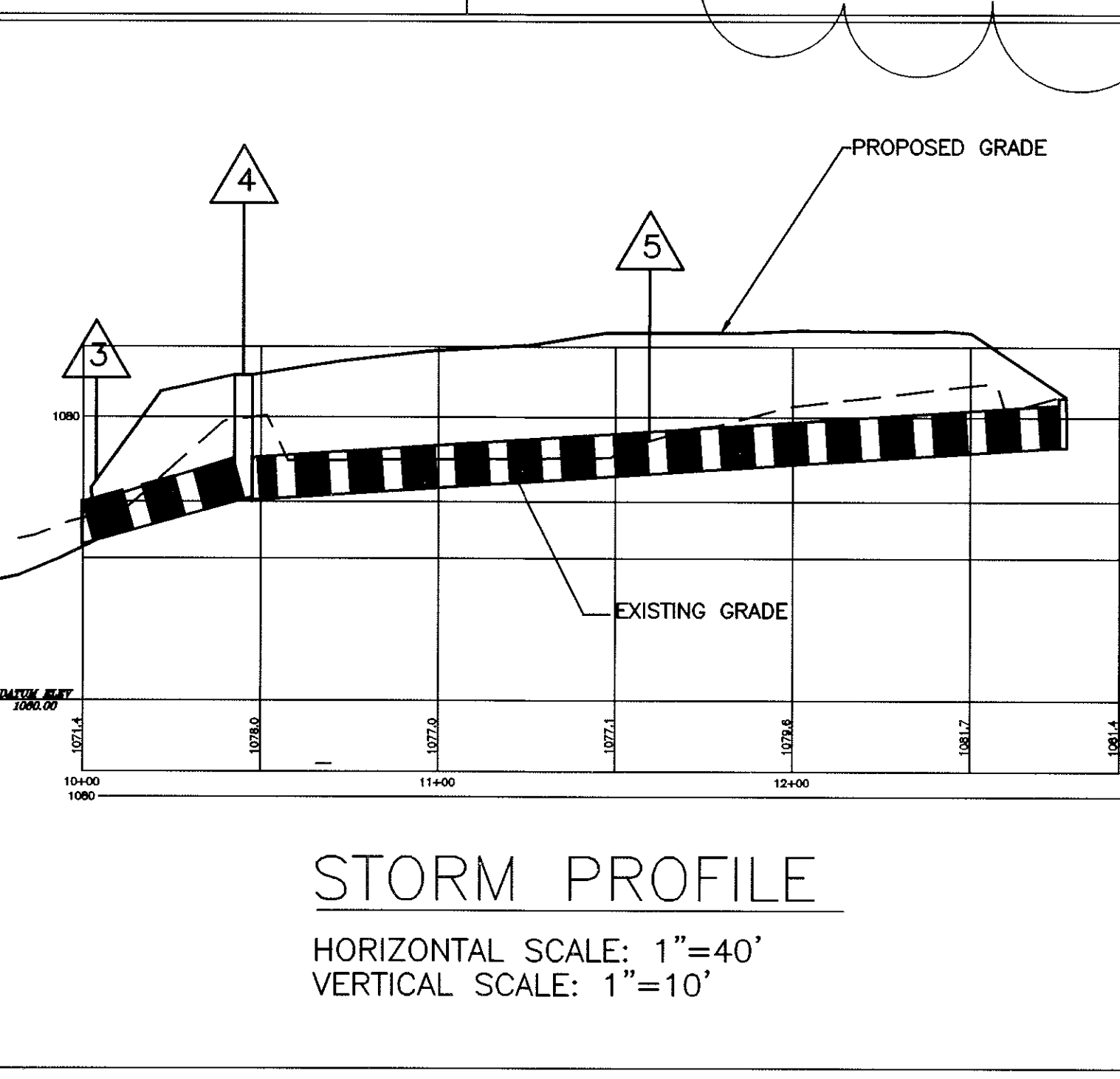
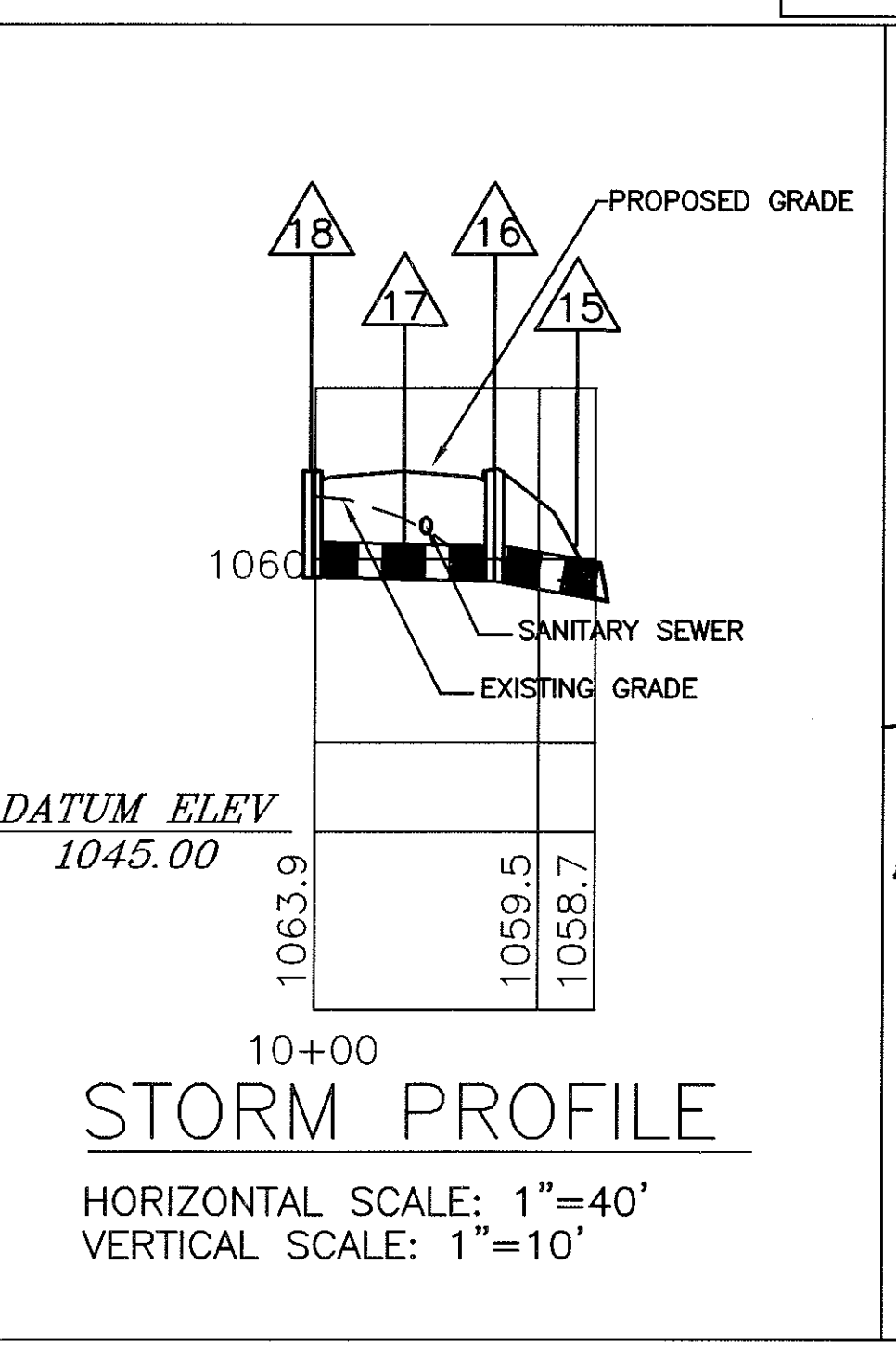
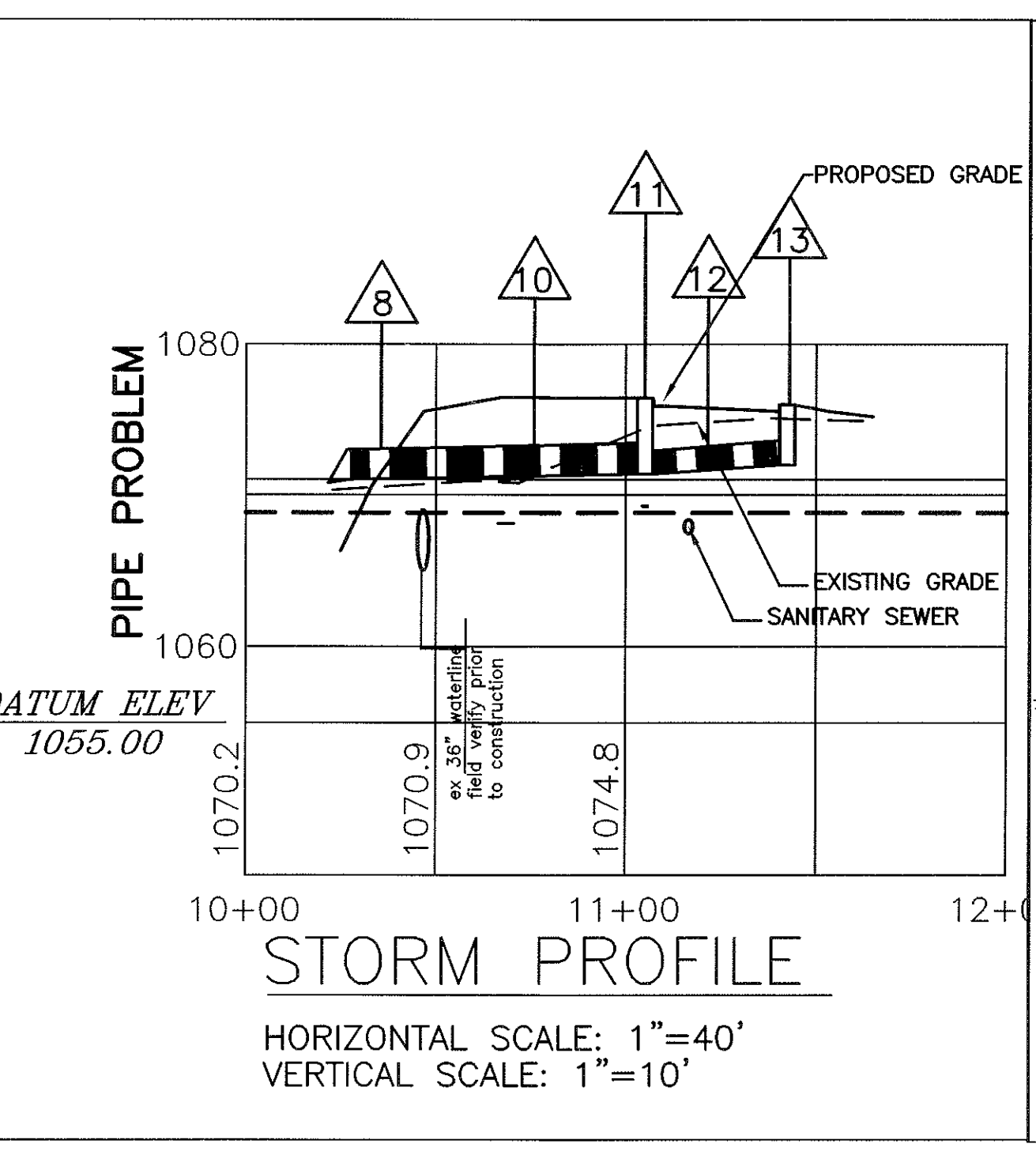
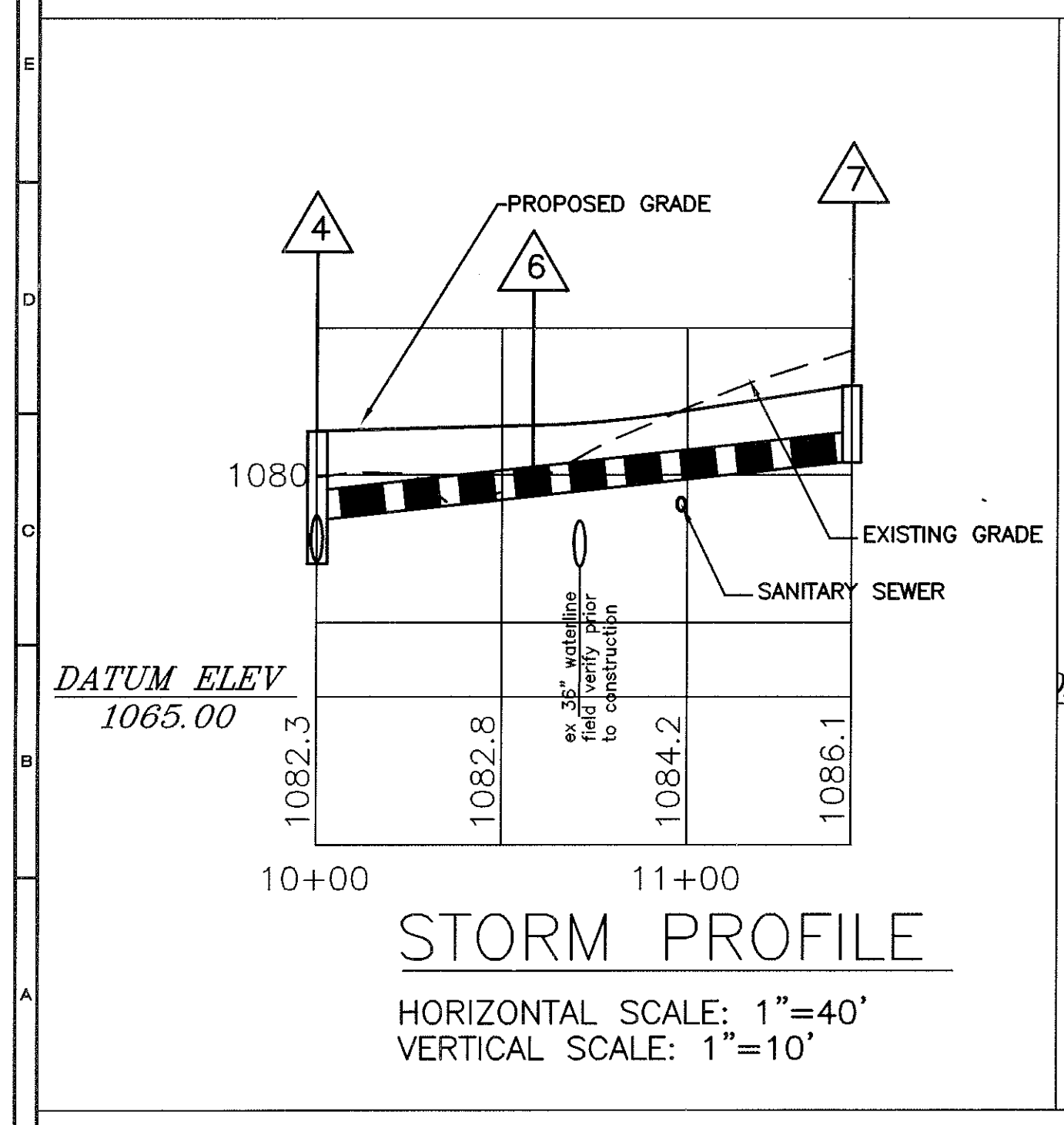
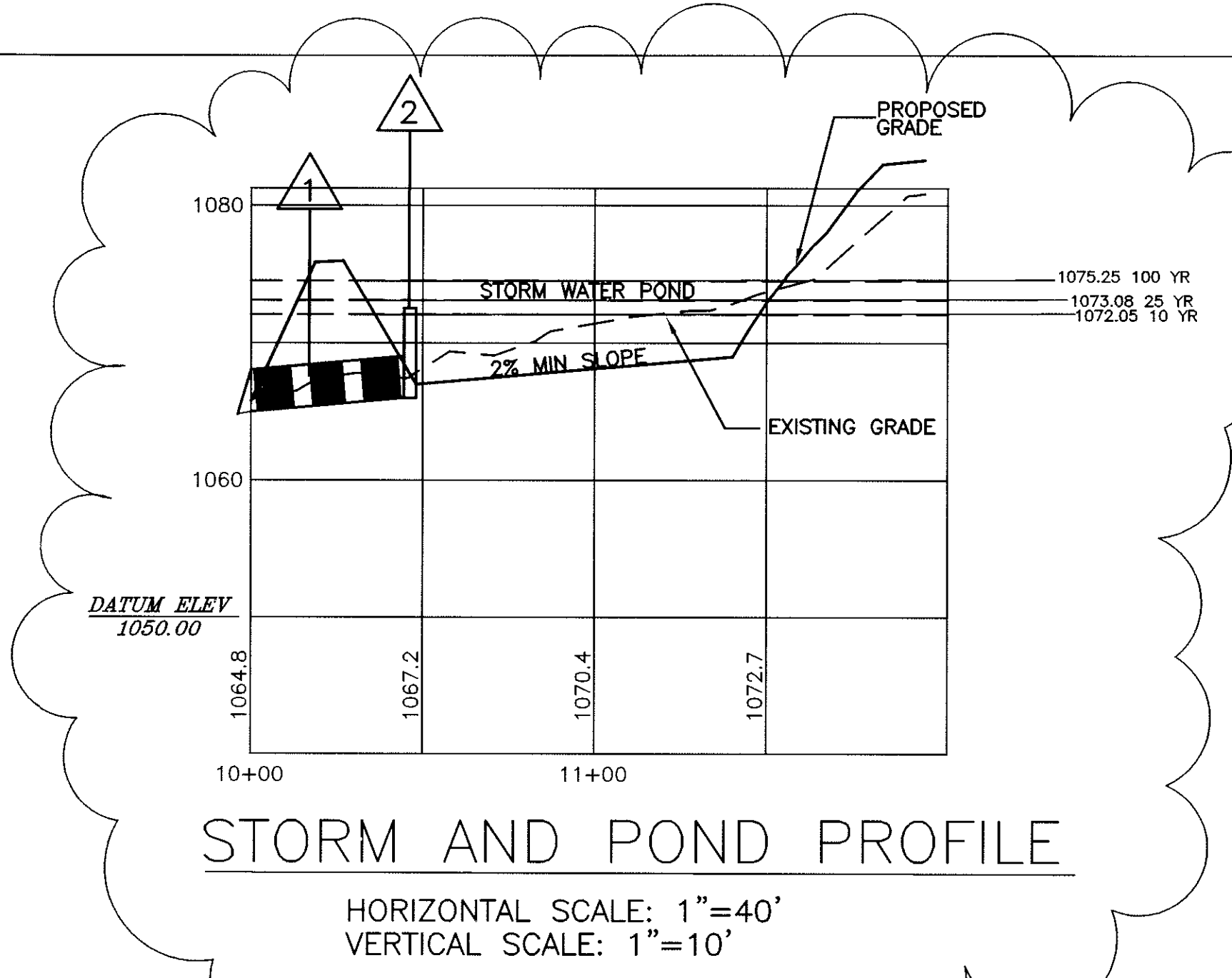
STORM SEWER STRUCTURE SCHEDULE

- 1 48 LF 36" DIA RCP
AT 2.9 % W/ ES-1
INV IN = 1065.00
INV OUT = 1063.60
- 2 STORM WATER MANEGMENT RISER
5' DIA RCP W DI-7 TOP
TOP = 1072.50
(SEE DETAIL)
- 3 45 LF 36" DIA RCP
AT 7.77 % W/ EG-1
INV IN = 1073.50
INV OUT = 1070.00
- 4 STORM MANHOLE MH-1 W/IS-1
TOP = 1083
- 5 223 LF 36" DIA RCP
AT 1.97 % W/ EW-1
INV IN = 1078.00
INV OUT = 1073.6
- 6 144 LF 24" DIA RCP
AT 3.4 %
INV IN = 1081.00
INV OUT = 1076.10
- 7 STORM MANHOLE MH-1
TOP = 1087.75
- 8 73.12 LF 24" DIA RCP
AT 1.16 % W/ ES-1
INV IN = 1069.15
INV OUT = 1068.25
- 9 STORM MANHOLE MH-1 W/IS-1
TOP = 1075.00
- 10 37 LF 24" DIA RCP
AT 3.1 %
INV IN = 1071.40
INV OUT = 1071.03
- 11 DI 3-B INSTALLED ON GRADE W/IS-1
LENGTH=10'
TOP = 1076.50
- 12 57.5 LF 18" DIA RCP
AT 0.88 %
INV IN = 1072.00
INV OUT = 1071.50
- 13 DI 3-B INSTALLED ON GRADE
LENGTH= 12'
TOP = 1076.00
- 14 55 LF 48" DIA RCP (3 EACH)
AT 1.8 % W/ EW-7
INV IN = 1057.50
INV OUT = 1056.50
- 15 23 LF 18" DIA RCP
AT 3.9 % W/ ES-1
INV IN = 1058.90
INV OUT = 1058.00
- 16 DI 3-C INSTALLED AT LOW POINT W/IS-1
LENGTH= 8'
TOP = 1065.00
- 17 40 LF 15 DIA RCP
AT 1.0 %
INV IN = 1059.40
INV OUT = 1059.00
- 18 DI 3-C INSTALLED AT LOW POINT
LENGTH=8'
TOP = 1065.00

SANITARY SEWER LINE TABLE				
LINE	BEARING	LENGTH	SIZE	SLOPE
L8	S34°55'11"E	212.32	8" PVC	1.41%
L9	N75°16'36"W	212.62	8" PVC	5.36%
L10	N38°53'46"W	171.10	8" PVC	2.88%

SANITARY SEWER STRUCTURE SCHEDULE

- EX EXISTING MANHOLE (PROVIDE OUTSIDE DROP)
TOP = 1067.50
NEW INV = 1059.50
INV OUT = 1055.22
- 1 PROPOSED MANHOLE
TOP = 1067.25
INV IN = 1062.60
INV OUT = 1062.50
- 2 PROPOSED MANHOLE
TOP = 1080.00
INV IN = 1074.10
INV OUT = 1074.00
- 3 PROPOSED MANHOLE
TOP = 1085.50
INV OUT = 1079.03



BALZER AND ASSOCIATES, INC.
BALZER
REFLECTING TOMORROW
PLANNERS • ARCHITECTS
ENGINEERS • SURVEYORS

1208 Corporate Circle
Roanoke, Virginia 24018
Phone: 540/773-6500
FAX: 540/773-6500

501 Branchway Road
Richmond, Virginia 23230
Phone: 804/784-0271
FAX: 804/784-2030

880 Technology Park Drive
Suite 200
Glen Allen, Virginia 23059
Phone: 804/663-0132
FAX: 804/663-0133

102 Hubbard Street
Blacksburg, Virginia 24060
Phone: 540/961-0661
FAX: 540/961-0662

1557 Commerce Road
Suite 201
Verona, Virginia 24482
Phone: 540/248-2220
FAX: 540/248-3221

New Century Industrial Park
Profiles
Hollins District
ROANOKE COUNTY, VIRGINIA

DRAWN BY: SMH
DESIGNED BY: SMH
CHECKED BY: RIS
DATE:

REVISIONS:
4-15-05
5-15-05
6-7-05
6-8-05
7-5-05
7-29-05

SCALE: AS SHOWN

SHEET NO.

C5

JOB NO.
R050002.00