

DATE: 11/12/09

REVISIONS
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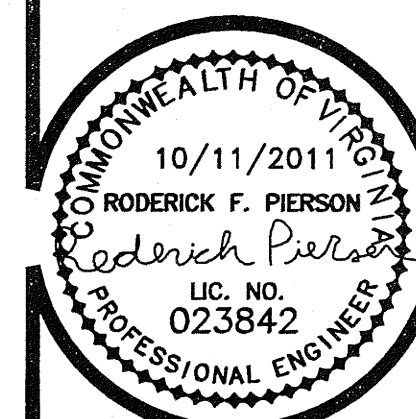
**PIERSON
ENGINEERING
&
SURVEYING**

P.O. BOX 311
1324 ROANOKE ROAD
DALEVILLE, VA 24083

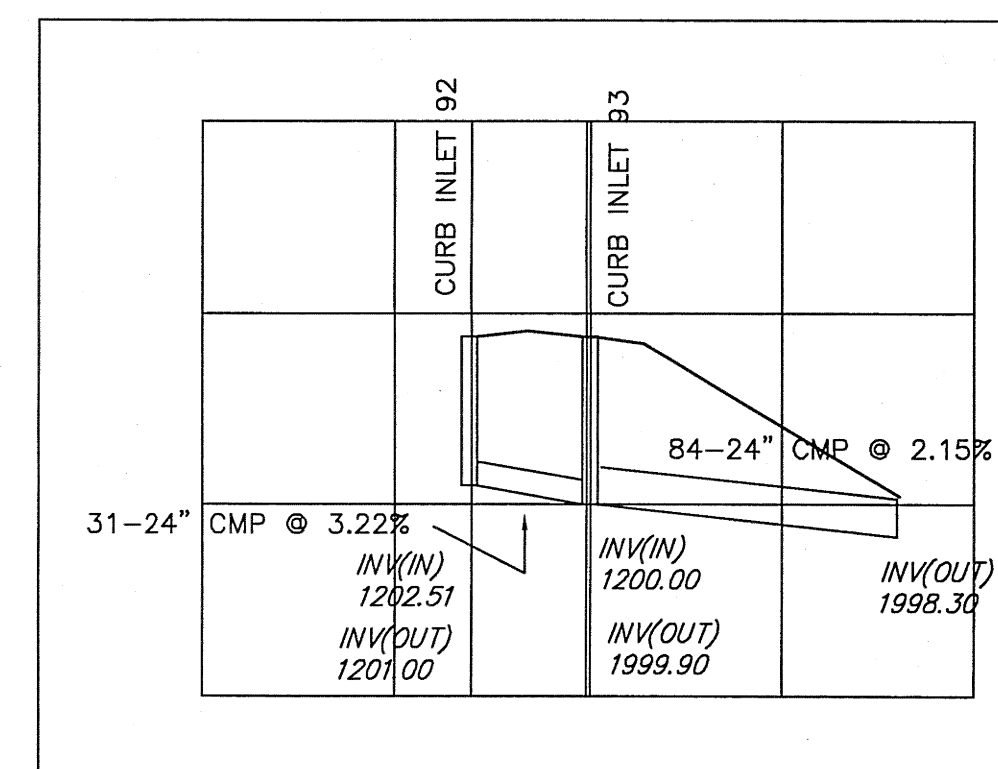
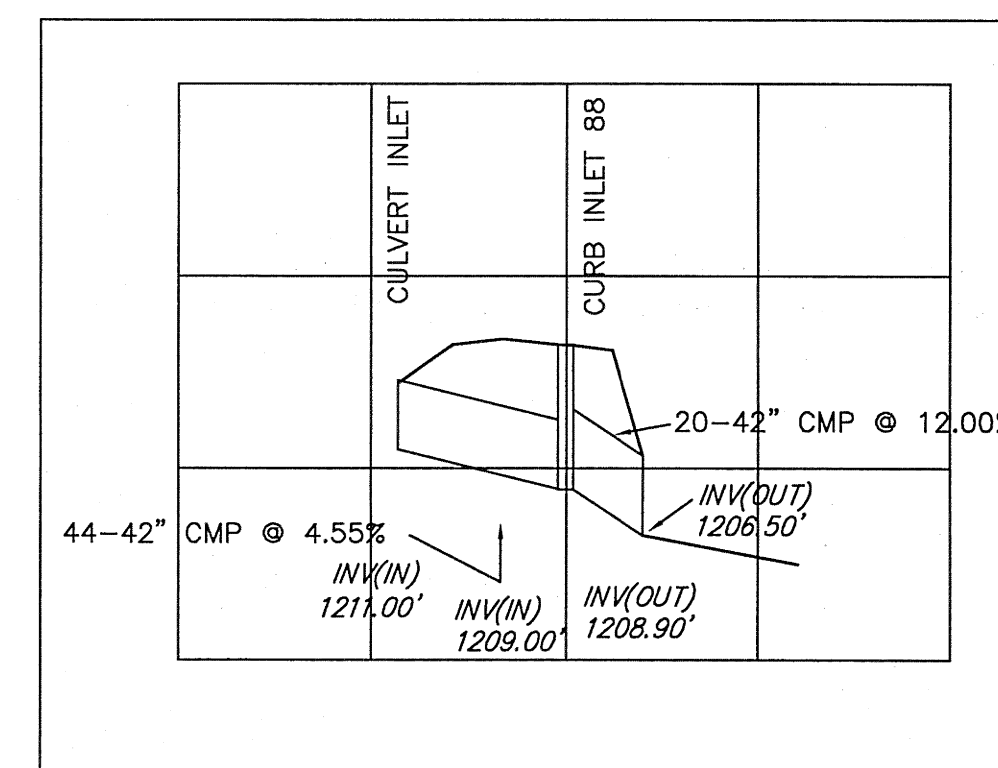
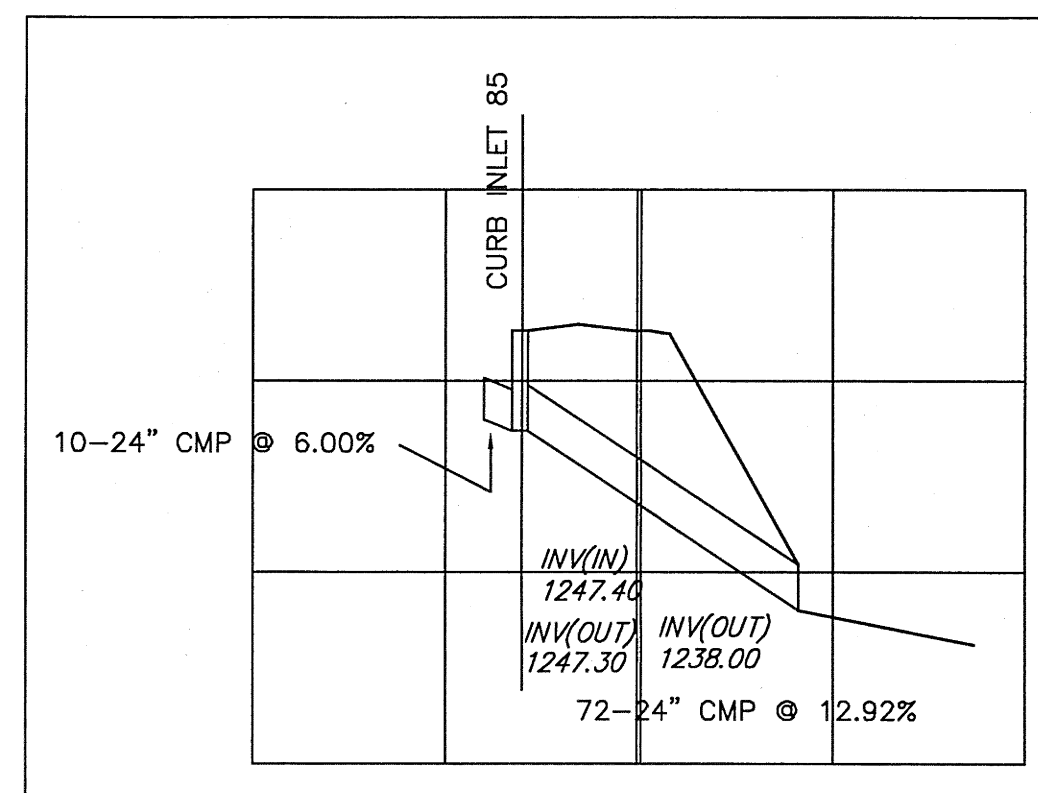
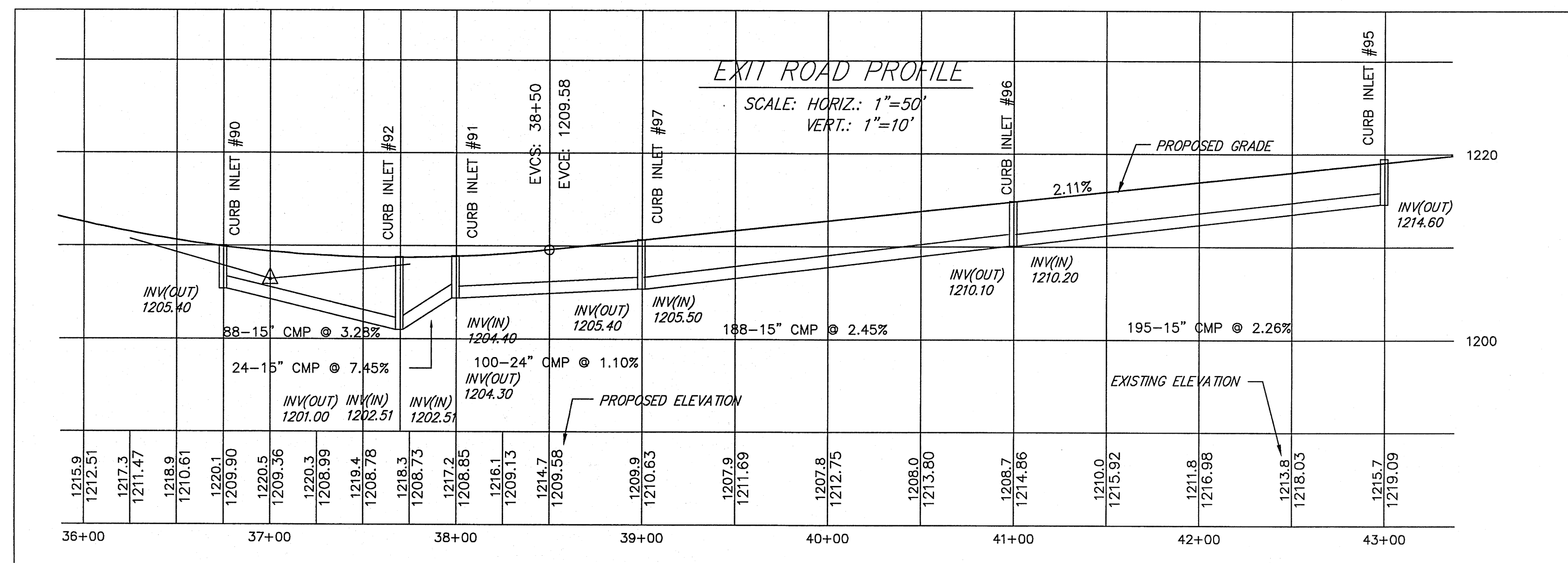
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DEVELOPMENT PLANS FOR
SANTILLANE TOWNHOMES
BOTETOURT COUNTY, VIRGINIA

ROADWAY
PROFILE



SHEET
6



DRAINAGE STRUCTURE SCHEDULE

- 84 10'-24" CMP @ 6.00%
WITH 24" VDOT STD END-SECTION,
ES-2, ON END OF THE PIPE
INV(IN) 1248.00
- 85 EXIT ROAD
STA. 29+00, LT. VDOT STD
CURB INLET, DI-3B, L=10'
TOP 1252.65
INV(IN) 1247.40
INV(OUT) 1247.30
- 86 72'-24" CMP @ 12.92%
WITH 24" VDOT STD END-SECTION,
ES-2, ON END OF THE PIPE
INV(OUT) 1238.00
- 87 44'-42" CMP @ 4.55%
WITH 24" VDOT STD END-SECTION,
ES-2, ON END OF THE PIPE
INV(IN) 1211.00
- 88 EXIT ROAD
STA. 35+25 RT. VDOT STD
CURB INLET, DI-3B, L=14'
TOP 1216.57
INV(IN) 1209.00
INV(OUT) 1208.90
- 89 20'-42" CMP @ 12.00%
WITH 42" VDOT STD END-SECTION,
ES-2, ON END OF THE PIPE
INV(OUT) 1206.50
- 90 EXIT ROAD
STA. 36+75, LT. VDOT STD
CURB INLET, DI-3B, L=10'
TOP 1209.96
INV(OUT) 1205.40
- 90-92 88'-15" CMP @ 3.28%
- 91 EXIT ROAD
STA. 38+00, LT. VDOT STD
CURB INLET, DI-3B, L=6'
TOP 1208.91
INV(OUT) 1204.30
- 91-92 24'-24" CMP @ 7.45%
- 92 EXIT ROAD
STA. 37+70, LT. VDOT STD
CURB INLET, DI-3C, L=10'
TOP 1208.79
INV(IN) 1202.51
INV(OUT) 1201.00
- 92-93 31'-24" CMP @ 3.22%
- 93 EXIT ROAD
STA. 37+70, RT. VDOT STD
CURB INLET, DI-3C, L=12'
TOP 1208.79
INV(IN) 1201.00
INV(OUT) 1199.90
- 94 80'-24" CMP @ 2.00%
WITH 24" VDOT STD END-SECTION,
ES-2, ON END OF THE PIPE
INV(OUT) 1198.30
- 95 EXIT ROAD
STA. 43+00, LT. VDOT STD
CURB INLET, DI-3BB, L=10'
TOP 1219.15
INV(OUT) 1214.60
- 95-96 195'-15" CMP @ 2.26%
- 96 EXIT ROAD
STA. 41+00, LT. VDOT STD
CURB INLET, DI-3B, L=10'
TOP 1214.92
INV(IN) 1210.20
INV(OUT) 1210.10
- 96-97 188'-15" CMP @ 2.45%
- 97 EXIT ROAD
STA. 39+00, LT. VDOT STD
CURB INLET, DI-3B, L=10'
TOP 1210.69
INV(IN) 1205.50
INV(OUT) 1205.40
- 97-91 100'-24" CMP @ 1.10%
- 97 44'-42" CMP @ 4.55%
WITH 42" VDOT STD END-SECTION,
ES-2, ON END OF THE PIPE
INV(IN) 1211.00
- 98 EXIT ROAD
STA. 35+25 RT. VDOT STD
CURB INLET, DI-4B, L=14'
TOP 1216.57
INV(IN) 1209.00
INV(OUT) 1208.90
- 99 20'-42" CMP @ 12.00%
WITH 42" VDOT STD END-SECTION,
ES-2, ON END OF THE PIPE
INV(OUT) 1206.50

SEE SHEET 5

