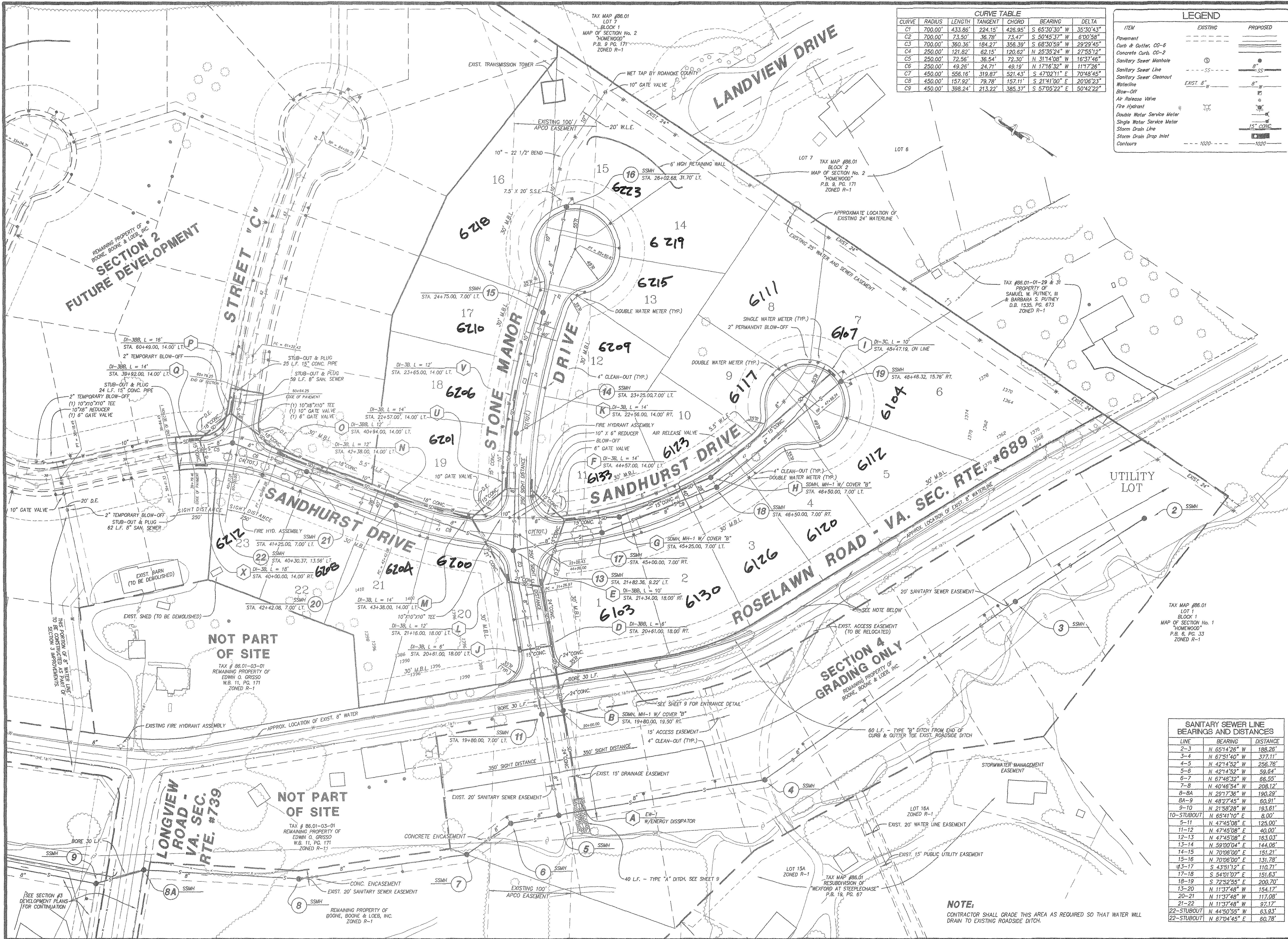




CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	700.00'	433.86'	224.15'	428.95'	S 85°30'30" W	35°30'43"
C2	700.00'	73.50'	36.78'	73.47'	S 50°45'37" W	8°00'56"
C3	700.00'	390.36'	184.27'	356.39'	S 68°30'59" W	29°29'45"
C4	250.00'	121.82'	62.15'	120.62'	N 25°35'24" W	27°55'12"
C5	250.00'	72.56'	36.54'	72.30'	N 31°14'08" W	16°37'46"
C6	250.00'	49.26'	24.71'	49.19'	N 17°16'32" W	11°17'26"
C7	450.00'	556.16'	319.87'	521.43'	S 47°02'11" E	70°48'45"
C8	450.00'	157.92'	79.78'	157.11'	S 21°41'00" E	20°06'23"
C9	450.00'	398.24'	213.22'	385.37'	S 57°05'22" E	50°42'22"

LEGEND		
ITEM	EXISTING	PROPOSED
Pavement	---	---
Curb & Gutter, CC-6	---	---
Concrete Curb, CC-2	---	---
Sanitary Sewer Manhole	SS	SS
Sanitary Sewer Line	---	---
Sanitary Sewer Cleanout	---	---
Waterline	---	---
Blow-Off	---	---
Air Release Valve	---	---
Fire Hydrant	---	---
Double Water Service Meter	---	---
Single Water Service Meter	---	---
Storm Drain Line	---	---
Storm Drain Drop Inlet	---	---
Contours	1020	1020

SANITARY SEWER LINE BEARINGS AND DISTANCES		
LINE	BEARING	DISTANCE
2-3	N 65°14'26" W	188.28'
3-4	N 67°51'40" W	377.11'
4-5	N 42°14'52" W	256.76'
5-6	N 42°14'52" W	59.84'
6-7	N 67°48'32" W	66.55'
7-8	N 40°46'54" W	208.12'
8-9	N 29°17'36" W	190.29'
9-10	N 49°27'45" W	60.91'
10-11	N 21°58'28" W	193.61'
11-12	N 65°41'10" E	8.00'
12-13	N 47°45'08" E	125.00'
13-14	N 47°45'08" E	40.00'
14-15	N 47°45'08" E	163.03'
15-16	N 59°00'04" E	144.06'
16-17	N 70°06'00" E	151.21'
17-18	N 70°06'00" E	131.78'
18-19	N 43°51'12" E	110.71'
19-20	N 34°01'07" E	151.63'
20-21	N 72°52'55" E	200.70'
21-22	N 11°37'48" W	154.17'
22-23	N 11°37'48" W	97.17'
23-24	N 44°50'55" W	63.93'
24-25	N 67°04'45" E	80.78'

NOTE:
CONTRACTOR SHALL GRADE THIS AREA AS REQUIRED SO THAT WATER WILL DRAIN TO EXISTING ROADSIDE DITCH.

LUMSDEN ASSOCIATES, P.C.
ENGINEERS-SURVEYORS-PLANNERS
ROANOKE, VIRGINIA

COMMONWEALTH OF VIRGINIA
No. 033002
3/20/03
PROFESSIONAL ENGINEER

SECTION NO. 1
STONE MANOR
PREPARED FOR
BOONE, BOONE & LOEB, INC.
WINDSOR HILLS MAGISTERIAL DISTRICT
ROANOKE COUNTY, VIRGINIA

REVISIONS

NO.	DATE	DESCRIPTION

DATE: 20 MARCH 2003

SCALE: 1" = 50'

COMMISSION NO: 01-409

CADD FILE: F:\CADD\01409\ENG\SEC1\0140901.DWG

SHEET 5 OF 12