

SANITARY SEWER MINIMUM FLOOR ELEVATION

LOT NUMBER	STATION	CO INVERT ELEVATION	MIN FLOOR ELEV FOR GRAVITY SEWER	TOTAL LATERAL LENGTH
1	0+51.80	1112.02	1115.24	35.50
2	1+49.74	1116.39	1119.55	37.33
3	1+74.93	1118.05	1121.46	62.01
4	2+28.78	1121.00	1125.51	51.80
5	2+85.62	1122.21	1126.46	58.00
6	3+28.42	1127.32	1129.69	54.82
7	3+52.38	1127.20	1130.80	46.14
8	3+33.89	1126.20	1128.98	58.05
9	3+05.13	1125.28	1127.42	81.76
10	2+53.10	1121.01	1124.43	75.97
11	1+95.61	1118.03	1121.09	54.82
12	1+82.65	1117.33	1120.34	63.33
13	0+99.14	1114.41	1117.21	51.29
14	0+61.69	1112.78	1115.71	61.98

FIRE FLOW ANALYSIS

FIRE HYDRANT	STATIC PRESSURE	FIRE FLOW	RESIDUAL PRESSURE
FH#1	55 PSI	1000 GPM	35 PSI
FH#2	63 PSI	1000 GPM	45 PSI
FH#3	71 PSI	1500 GPM	31 PSI

LOTS MAY REQUIRE A SANITARY LIFT SYSTEM IF THE BASEMENT HAS SERVICE

FIELD REVISION #1

BUILDING DRAINAGE NOTES:

- A 12" ROOF DRAIN COLLECTOR (RFD) SHALL BE INSTALLED BEHIND LOTS 9-14 TO COLLECT ROOF RUNOFF AND SMALL AMOUNTS OF WATER AROUND BUILDINGS AS SHOWN.
- SPLASH BLOCKS SHALL BE INSTALLED ON THE REMAINING GUTTER DOWNSPOUTS WHERE POSITIVE FLOW AWAY FROM BUILDINGS CAN BE ACHIEVED TO CURB AND GUTTER.

12" NYOPLAST-ADS INDRAIN BASIN WITH STANDARD GRATE. CONNECTION TO BE TEE FITTING (TYP). (STRUCTURES 10 THRU 12)

20' WATERLINE EASEMENT

REMOVE AND RELOCATE EXISTING HYDRANT TO NEW LOCATION SHOWN

SEE SHEET C07 FOR:
1. UTILITIES PERTAINING TO WALHALLA COURT
2. GENERAL UTILITY NOTES.

CONTRACTOR SHALL ABANDON ALL EXISTING WATER SERVICES NOT UTILIZED FOR THIS PROJECT. ABANDONMENT SHALL OCCUR AT THE CORPORATION STOP.

PROPOSED SEGMENTAL BLOCK WALL

EX 9
TOP = 1094.50
FLOOR = 1085.60
CORE NEW 15"
INV = 1088.0
CONTRACTOR TO PROVIDE IS-1 INLET SHAPING

FLORA FARM DRIVE

parker
DESIGN GROUP
816 Boulevard
Salem, Virginia 24153
Phone: 540-387-1153
Fax: 540-389-5767
www.parkerdg.com

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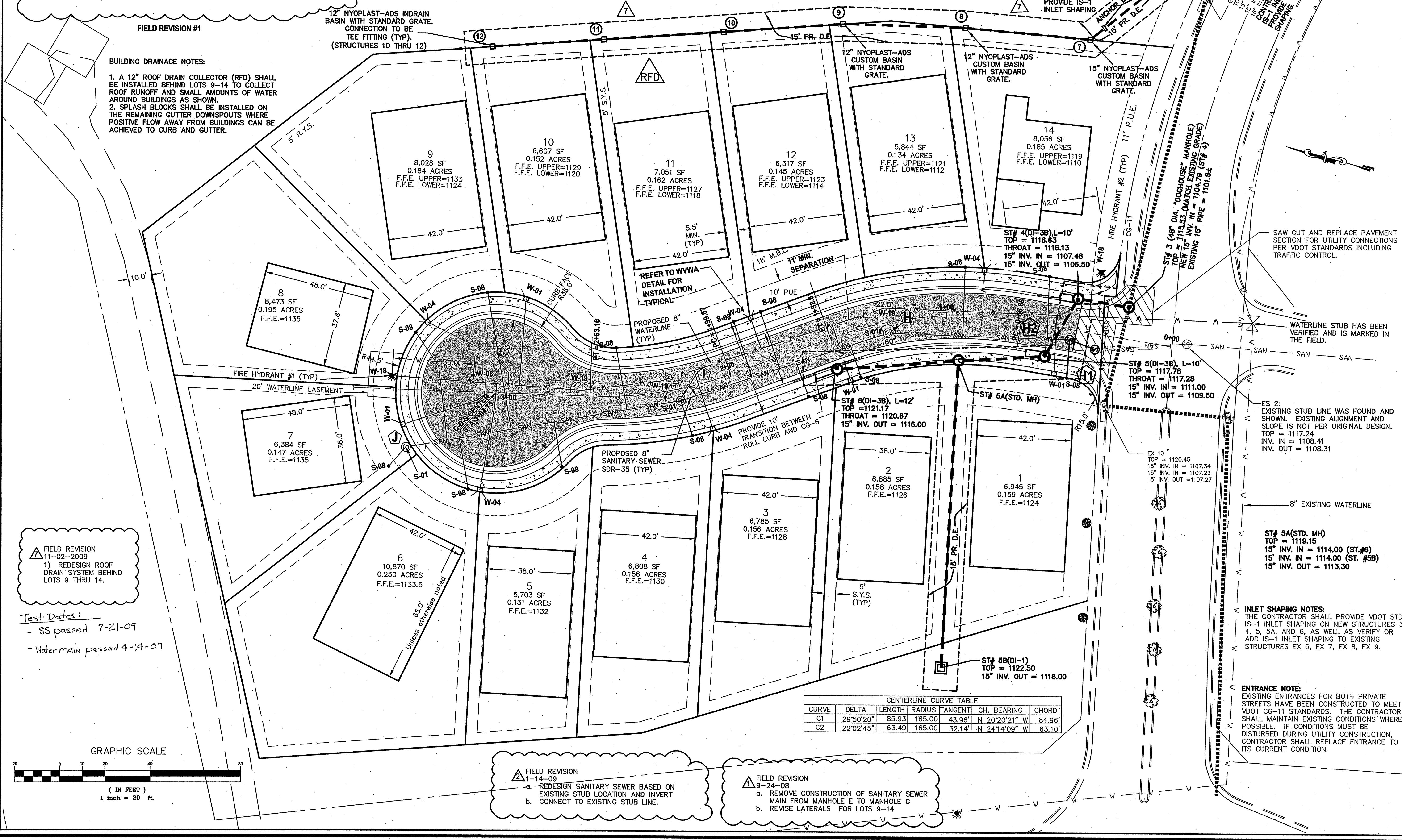
PAUL J. BROWN
PROFESSIONAL ENGINEER
11-25-2009
Lic. No. 036148

**Comprehensive Site Plan for
The Village at Tinker Creek-Phase II
Prepared for Star City Developers**
Hollins Magisterial District
Roanoke County, Virginia

REVISIONS:
Revisions per Roanoke County Comments
Revisions per Roanoke County Comments
Revisions per Roanoke County Comments
Field revision per owner
Field Revisions Per Existing Conditions
Field Revision #7
Address Review Comments to Field Rev. #7
PUB 2009-11-23

DESIGNED BY: SRB / PJB
DRAWN BY: AAS/PJB
CHECKED BY: SRB
SCALE: 1"=20'
DATE: July 20, 2007

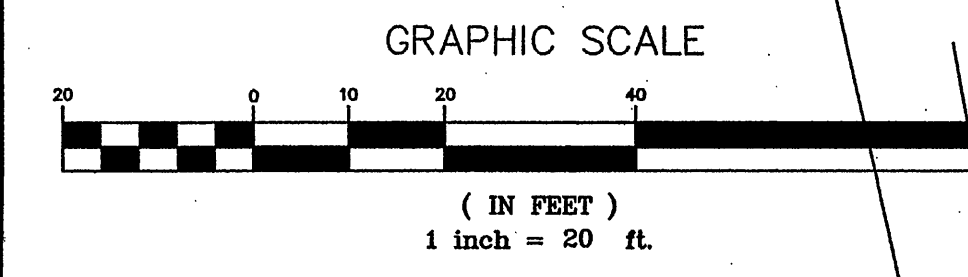
SHEET TITLE:
**Dimensional & Utility Plan
Seneca Drive**
C05
5 OF 16
PROJECT NUMBER:
06-0402-04



CURVE	DELTA	LENGTH	RADIUS	TANGENT	CH. BEARING	CHORD
C1	29°50'20"	85.93	165.00	43.96'	N 20°20'21" W	84.96'
C2	22°02'45"	63.49	165.00	32.14'	N 24°14'09" W	63.10'

FIELD REVISION
11-02-2009
1) REDESIGN ROOF DRAIN SYSTEM BEHIND LOTS 9 THRU 14.

Test Dates:
- SS passed 7-21-09
- Water main passed 4-14-09



FIELD REVISION
1-14-09
a. REDESIGN SANITARY SEWER BASED ON EXISTING STUB LOCATION AND INVERT
b. CONNECT TO EXISTING STUB LINE.

FIELD REVISION
9-24-08
a. REMOVE CONSTRUCTION OF SANITARY SEWER MAIN FROM MANHOLE E TO MANHOLE G
b. REVISE LATERALS FOR LOTS 9-14

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