

### DRAINAGE SUMMARY

GB	48" DIA BASE W/ MH-2 MANHOLE TOP = 1250.00 15" INV IN = 1246.25 (B.U.O.) 15" INV OUT = 1246.15
GA	48" DIA BASE W/ MH-2 MANHOLE TOP = 1232.60 15" INV IN = 1229.10 15" INV OUT = 1229.00
G	60" DIA BASE W/ DI-7, TYPE III GRATE TOP = 1229.00 15" INV IN = 1224.68 (FROM GA) 36" INV IN = 1222.10 (FROM H) 36" INV OUT = 1222.00
F	60" DIA BASE W/ DI-7, TYPE III GRATE TOP = 1215.00 36" INV IN = 1208.50 36" INV OUT = 1206.00
E	60" DIA BASE W/ DI-7, TYPE III GRATE TOP = 1191.50 36" INV IN = 1185.00 36" INV OUT = 1184.90
D	72" DIA BASE W/ REDUCER FOR DI-7, TYPE III GRATE TOP = 1175.00 36" INV IN = 1167.50 36" INV OUT = 1164.00
C	36" VDOT STD EW-1, 36" ENDWALL 36" INV OUT = 1158.00 ATTACHED PRECAST VDOT STD 15" EW-1 ENDWALL AS ENERGY DISSIPATOR. INSTALL OUTLET PROTECTION

### STORMWATER MANAGEMENT LOT (LOT 49):

- LOT 49 IS A UTILITY LOT TO BE RESERVED AS A STORMWATER DETENTION FACILITY. THIS LOT IS TO BE OWNED AND MAINTAINED BY A HOMEOWNERS ASSOCIATION. REFERENCE IS DIRECTED TO A ACCESS ROAD FROM "ARROWHEAD TRAIL" TO THE STORMWATER MANAGEMENT FACILITY. THE SLOPE OF THE ROAD VARIES WITH THE EXISTING TERRAIN. THE MAXIMUM SLOPE OF THE PAVED ROAD IS 18% (ALLOWED BY ROANOKE COUNTY TO SERVICE STORMWATER MANAGEMENT FACILITIES). THE STONE PORTION OF THE ACCESS ROAD HAS A MAXIMUM SLOPE OF 10%. SEE SHEET C12 FOR PROFILE.
- THE LOCATION OF THE TOP OF BERM IS SHOWN FROM THE INTERSTATE RIGHT OF WAY. THE DISTANCE WAS PROVIDED TO ALLOW FOR THE EXPANSION OF I-81.

FROM STR	TO STR	BEARING	DISTANCE
130	129	S 82°24'36" E	178.02'
129	128	S 79°19'55" E	99.86'
128	127	S 65°21'42" E	75.83'
127	126	S 45°28'09" E	79.90'
126	125	S 41°55'07" E	218.02'
125	124	S 54°39'57" E	80.62'
124	123	S 78°58'39" E	120.63'
123	122	N 80°58'39" E	298.26'
122	121	S 85°49'21" E	58.55'
121	120	N 78°10'10" E	151.27'
120	119	N 85°59'06" E	69.67'
201	122	S 01°38'58" W	208.31'

### SANITARY SEWER SERVICE ELEVATIONS

LOT NO.	STATION OR MANHOLE	CLEANOUT INV. ELEV.	MIN. FF ELEV. FOR GRAVITY SERVICE
24	22+17.7	1219.5	1222
25	LINE 201 TO 122	1226.7	1230
26	LINE 201 TO 122	1227.4	1231
27	25+11.8	1226.6	1230
28	25+82.7	1228.1	1231
29	26+70.0	1229.9	1233.5
30	SSMH 124	1235.0	1238.5
31	29+30.1	1240.3	1244
32	30+49.1	1246.4	1250
33	SSMH 127	1253.9	1257.5
34	SSMH 128	1255.2	1258.5
35	SSMH 128	1255.2	1258.5
36	SSMH 126	1249.4	1253
37	30+29.2	1245.3	1249
38	29+34.5	1240.7	1244
39	28+55.1	1237.2	1241
40	27+69.5	1235.8	1237
41	27+15.3	1231.5	1235
42	25+97.7	1228.3	1232
43	25+06.8	1226.6	1230
44	24+08.0	1224.7	1228
45	SSMH 121	1222.7	1226
46	22+42.8	1220.5	1224
47	22+42.8	1220.5	1224
48	SSMH 120	1217.8	1221
LOT 11,B5	33+70.0	1255.0	1258.6
LOT 1,B13	33+65.0	1254.7	1258
LOT 1,B10	SSMH 130	1259.0	1262.5
LOT 15,B12	SSMH 130	1258.7	1262

### ZONING INFORMATION:

SUBJECT PROPERTY IS ZONED R1.  
MINIMUM SIZE = 7, 200 SQUARE FEET  
MINIMUM ROAD FRONTAGE = 60'  
MINIMUM BUILDING LINE = 30'  
SIDE YARD SETBACK = 10'  
REAR YARD SETBACK = 25'  
MAIN BUILDING COVERAGE = 30% OF LOT  
TOTAL IMPERVIOUS AREA = 50% OF LOT  
MAXIMUM BUILDING HEIGHT = 45'

AS BUILT SEWER SERVICE NOTE:  
THE CONTRACTOR INSTALLED VERTICAL BENDS ON ALL LATERALS TO LESSEN THE DEPTH ON THE LATERALS. THE MIN. FF ELEV. TABLE IS NO LONGER ACCURATE. ALL LOTS ARE STILL SERVED BY GRAVITY SEWER, BUT THE MINIMUM DEPTHS ARE UNKNOWN.

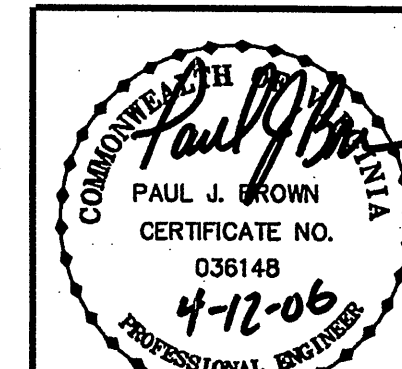
REVISED APRIL 12, 2006:  
AS-BUILT PLANS FOR WATER AND SANITARY SEWER ONLY. MANHOLE TOPS WERE LOCATED. INVERT INFORMATION WAS PROVIDED BY THE CONTRACTOR. WATERLINE INFORMATION WAS BASED ON CONTRACTOR MARK UPS.

### STORMWATER MANAGEMENT AREA

#### DIMENSION & UTILITY PLAN

FOR  
SECTION 4, CHEROKEE HILLS  
SITUATE ARROWHEAD TRAIL  
CATAWBA MAGISTERIAL DISTRICT  
ROANOKE COUNTY, VIRGINIA

REVISED: 06 JULY 2005 SCALE: 1" = 40'



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