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COMMONWEALTH OF VIRGINIA
PAUL J. BROWN
CERTIFICATE NO. 036148
9-19-06
PROFESSIONAL SEAL

**Sanitary Sewer Extension for
Western Virginia Water Authority
Serving Section 1 Cherokee Hills**
Catawba Magisterial District
Roanoke County, Virginia

REVISIONS:

Revisions per WVA	PJB
Revisions per VDOT	PJB
Revisions per VDOT	PJB

DESIGNED BY: PJB
DRAWN BY: PJB
CHECKED BY: SRB
SCALE: 1" = 40'
DATE: 14 SEPTEMBER 2006

SHEET TITLE:
**Sanitary Sewer
Plan Sheet**
C01
01 OF 02
PROJECT NUMBER:
05-0705-06

GENERAL NOTES:
1. TOPOGRAPHIC INFORMATION SHOWN WITHIN THE SANITARY SEWER LINE EXTENSION AREA IS BASED UPON A FIELD TOPOGRAPHIC SURVEY OF MARCH 2006. ELEVATIONS ARE BASED UPON THE VERTICAL DATUM OF CHEROKEE HILLS, SECTION 4 PROJECT. ALL DOTTED CONTOURS SHOWN ARE BASED UPON ROANOKE COUNTY AERIAL TOPOGRAPHY OR SECTION 4 CHEROKEE HILLS PROPOSED GRADING PLAN AND SHOULD BE CONSIDERED APPROXIMATE.
2. ADJOINING LAND OWNER INFORMATION IS BASED UPON ROANOKE COUNTY GIS INFORMATION, CHECKED ON SEPTEMBER 2006.

UTILITY NOTES:
1. ALL SANITARY SEWER CONSTRUCTION SHALL MEET THE REQUIREMENTS AS OUTLINED BY THE WESTERN VIRGINIA WATER AND SEWER DESIGN & CONSTRUCTION STANDARDS AND DETAILS, AS REVISED, EFFECTIVE MARCH 1, 2006.

SANITARY SEWER SYMBOLS:
"S-01" 4" STD. MANHOLE (TYP OF 3)
"S-08" SANITARY SEWER LATERAL (TYP OF 6)
"S-11" COMBINED 6" BY TWO 4" LATERALS (TYP OF 1)
"S-29" SANITARY SEWER PRESSURE LATERAL (TYP OF 9)

FORCE MAIN INSTALLATION NOTES:
1. AT A MINIMUM, THE 2" FORCE MAIN SHALL BE DIRECTIONAL DRILLED UNDER SUNDANCE ROAD AND ALL EXISTING DRIVEWAYS. THE CONTRACTOR MAY CHOOSE TO DIRECTIONAL DRILL THE ENTIRE FORCEMAIN LINE.
2. THE TWO (2) 45° BENDS, LOCATED SOUTH OF SUNDANCE ROAD, MAY BE INSTALLED AS A SWEEPING 90° BEND.

- CONSTRUCTION STAKEOUT COSTS:**
1. PARKER DESIGN GROUP CAN PROVIDE THE CONSTRUCTION STAKEOUT AND CONSTRUCTION SHEETS FOR THE FOLLOWING ITEMS:
A) THREE (3) PROPOSED MANHOLES WITH 10' & 20' OFFSETS FOR EACH MANHOLE. LUMP SUM = \$500.
B) STAKEOUT OF SIX (6) GRAVITY LATERALS & 5' OFFSET FOR EACH LATERAL. LUMP SUM = \$400.
C) IF NECESSARY, STAKEOUT OF SEVEN (7) FORCE MAIN LATERALS & 5' OFFSET FOR EACH LATERAL. LUMP SUM = \$500.
D) IF NECESSARY, STAKEOUT OF FORCEMAIN ALONG LOT 9. STAKEOUT TO INCLUDE BEND, AIR RELEASE ASSEMBLY, AND 50' INTERVALS. LUMP SUM = \$300.
E) AS-BUILT PLANS. LUMP SUM = \$1,200.
- LEGEND**
..... ROANOKE CO. AERIAL CONTOURS
..... FIELD LOCATION CONTOURS
○ EXISTING SANITARY SEWER STRUCTURE
○ PROPOSED SANITARY SEWER STRUCTURE
--- SS --- FM --- PROPOSED SANITARY SEWER LINE
--- EXISTING SANITARY SEWER LINE
--- PROPERTY LINE
===== EXISTING STORM SEWER LINE
--- EXISTING DRAINAGE CHANNEL
--- EASEMENT LINE
--- EXISTING BUILDINGS
--- FIELD LOCATED BUILDINGS