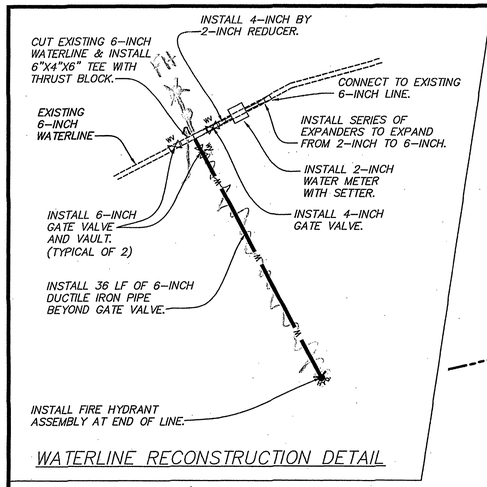


WATERLINE RECONSTRUCTION DETAIL

EXISTING & PROPOSED DRAINAGE SCHEDULE:

(A) STATION 19+76.4, 29.8' L CENTERLINE
30" CMP PIPE END
INV. OUT = 1267.07

(B) TO (A) EXISTING 51.9 LF OF 30-INCH, CMP @ 8.75%
30" INV. IN = 1271.61
30" INV. OUT = 1267.07

(B) STATION 19+76.4, 22.1' R CENTERLINE
VDOT STANDARD 60" BASE WITH DI-7, TYPE III GRATE TOP
(REMOVE LEAF GUARDS)
TOP = 1276.34
CORE NEW 15" INV = 1272.84 (3.5' FROM TOP)
EXISTING 30" INV. OUT = 1271.61

(C) PROPOSED 11.0 LF (ONE SECTION BETWEEN STRUCTURES)
15-INCH, CLASS III RCP @ 10.55%
15" INV. IN = 1274.00
15" INV. OUT = 1272.84

(D) STATION 24+63.6, 19.7' R CENTERLINE
PROPOSED VDOT STD 48" BASE WITH DI-7, TYPE III GRATE TOP
TOP = 1276.75
15" INV. OUT = 1274.00

GENERAL UTILITY NOTES:

1. THIS PROJECT NOW INCLUDES THE FOLLOWING WATER ITEMS: i) REMOVAL OF EXISTING FIRE HYDRANT, ii) REMOVAL OF 2-INCH WATER METER, iii) INSTALLATION OF "JUMPER" AT METER TO CONNECT PIPES, iv) CUT EXISTING 6-INCH WATERLINE AND INSTALLATION OF 6"X4"X6" TEE, v) INSTALLATION OF 6-INCH GATE VALVE AND FIRE HYDRANT (36 LF OF PIPE), AND vi) INSTALLATION OF 2-INCH WATER METER WITH SETTER AND CONNECTION TO EXISTING 6-INCH LINE. THE CONTRACTOR SHALL COORDINATE WITH THE LOCAL UTILITY COMPANIES TO MARK EXISTING UTILITIES. THE CONTRACTOR SHALL USE CARE WHEN WORKING THE GRASSED SHOULDERS IN AREAS OF THE WATERLINE AND TELEPHONE LINES.

2. REFERENCE IS DIRECTED TO THE DEMOLITION PLAN FOR RELOCATION/REMOVAL OF TELEPHONE PEDESTAL, WATER LATERAL SERVICE, AND/OR SANITARY SEWER LATERAL.

3. THE CONTRACTOR SHALL ABANDON THE EXISTING SANITARY SEWER LINE IN PLACE PER THE WVWA DETAIL.

DIMENSION NOTES:

1. THE ROAD CENTERLINE IS BASED UPON THE ORIGINAL PLANS FOR SECTION 3 SUNCREST HEIGHTS.

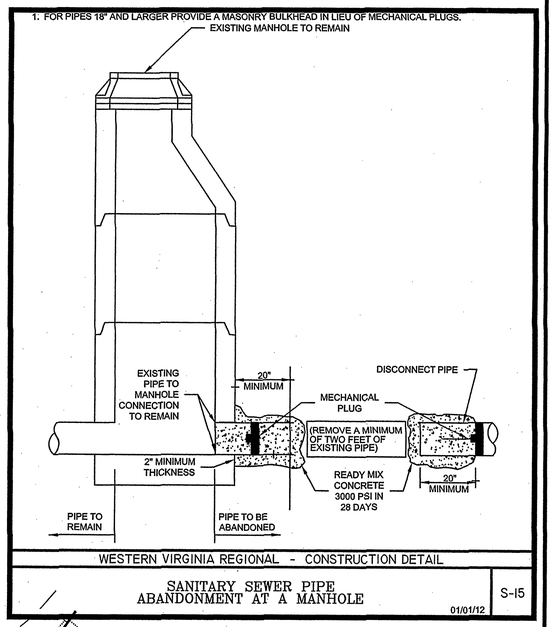
2. FOR CONSTRUCTION OF CUL-DE-SAC, A CONSTRUCTION BASELINE IS ESTABLISHED FROM CENTERLINE STATION 23+33.1 TO CENTERLINE STATION 24+30.6, 36.5' R. THE ROAD PROFILE AND GRADING IS BASED UPON THE CONSTRUCTION BASELINE IN THIS AREA. IF THE STATIONS ARE NOT NOTED AS "CONST. LINE", THEN THE STATION CORRESPONDS TO THE ROAD CENTERLINE (PER PLAN).

3. THE CONTRACTOR SHALL SHOW SPECIAL ATTENTION TOWARD PROVIDING A FIVE-FOOT (5') SHOULDER FROM THE LEFT HAND TOP OF SLOPE. THE CONTRACTOR MAY BE REQUIRED TO RECONSTRUCT A PORTION OF THE ROAD ON THE RIGHT HAND SIDE IN ORDER TO PROVIDE A 5' SHOULDER AND 20' WIDE PAVEMENT.

4. THE PROPOSED CUL-DE-SAC PAVEMENT EDGE HAS A 35-FOOT RADIUS.

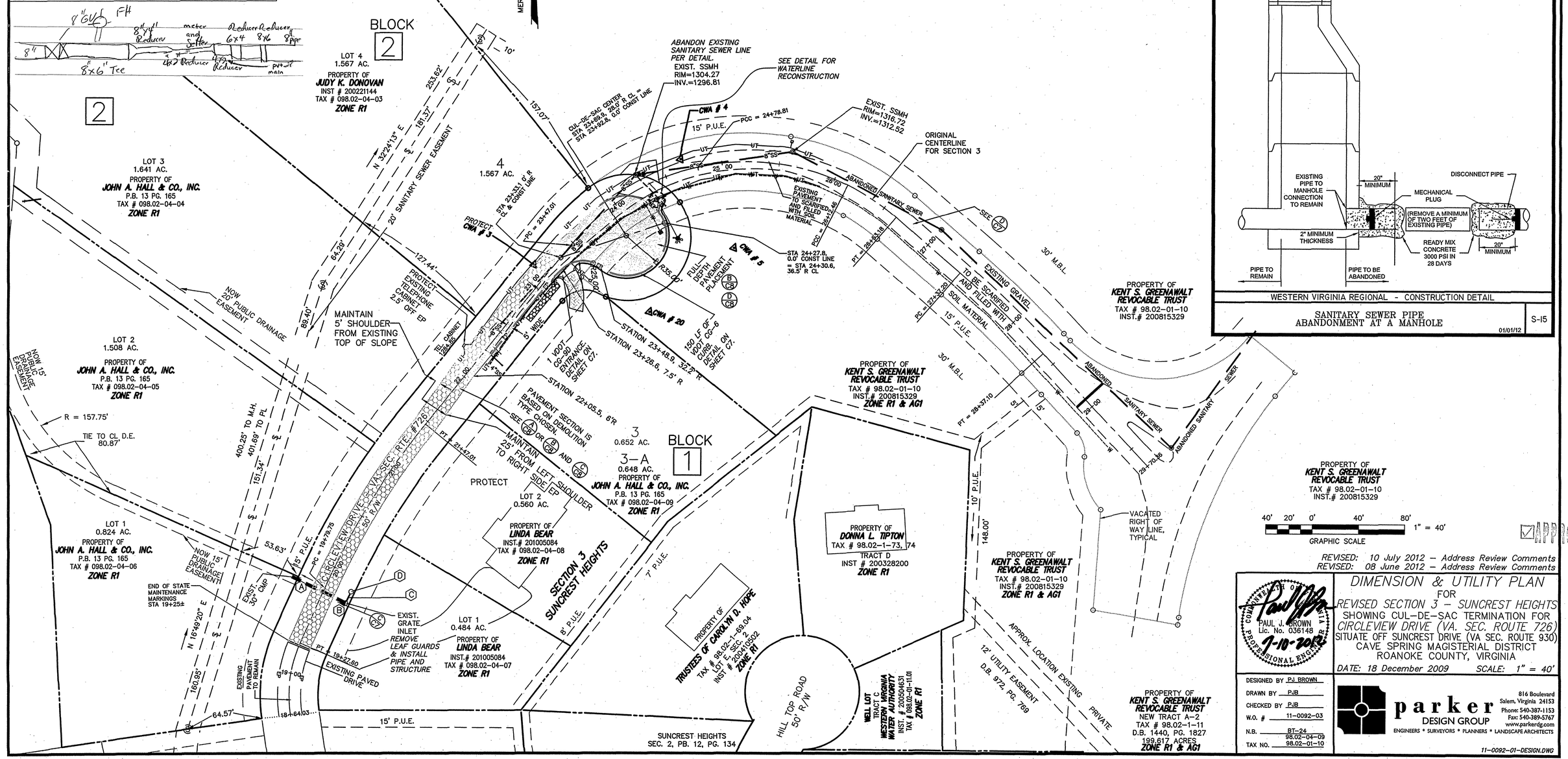
5. COORDINATES ARE BASED ON AN ASSUMED DATUM, CORRESPONDING TO THE RECORDED SUBDIVISION PLAT.

6. REFERENCE IS DIRECTED TO THE RECORD PLAT FOR BOUNDARY INFORMATION, EASEMENTS, AND RIGHT OF WAY VACATION AND DEDICATION.



WESTERN VIRGINIA REGIONAL - CONSTRUCTION DETAIL

SANITARY SEWER PIPE ABANDONMENT AT A MANHOLE — 01/01/12 — S-15



REVISED: 10 July 2012 - Address Review Comments
REVISED: 08 June 2012 - Address Review Comments

COMMONWEALTH OF VIRGINIA — PAUL J. BROWN Lic. No. 036148 — 7-10-2012 — PROFESSIONAL ENGINEER

DIMENSION & UTILITY PLAN

FOR

REVISED SECTION 3 - SUNCREST HEIGHTS
SHOWING CUL-DE-SAC TERMINATION FOR
CIRCLEVIEW DRIVE (VA. SEC. ROUTE 726)
SITUATE OFF SUNCREST DRIVE (VA SEC. ROUTE 930)
CAVE SPRING MAGISTERIAL DISTRICT
ROANOKE COUNTY, VIRGINIA

DATE: 18 December 2009 SCALE: 1" = 40'

DESIGNED BY PJ BROWN
DRAWN BY PJB
CHECKED BY PJB
W.O. # 11-0092-03
N.B. BT-24 98.02-04-09
TAX NO. 98.02-01-10

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