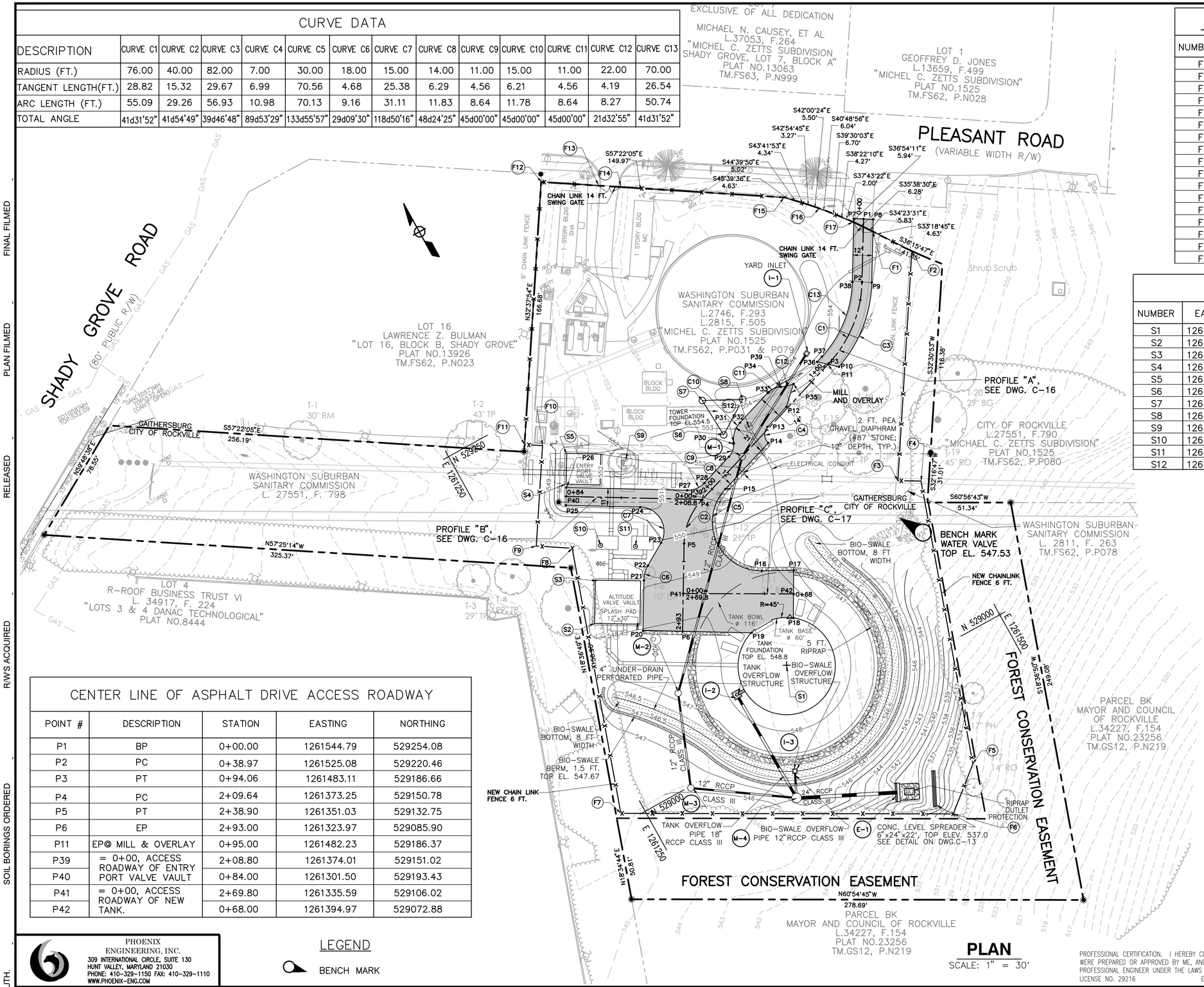
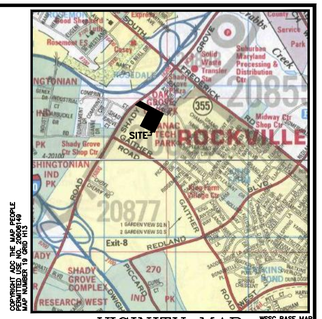
CURVE DATA

DESCRIPTION	CURVE C1	CURVE C2	CURVE C3	CURVE C4	CURVE C5	CURVE C6	CURVE C7	CURVE C8	CURVE C9	CURVE C10	CURVE C11	CURVE C12	CURVE C13
RADIUS (FT.)	76.00	40.00	82.00	7.00	30.00	18.00	15.00	14.00	11.00	15.00	11.00	22.00	70.00
TANGENT LENGTH(FT.)	28.82	15.32	29.67	6.99	70.56	4.68	25.38	6.29	4.56	6.21	4.56	4.19	26.54
ARC LENGTH (FT.)	55.09	29.26	56.93	10.98	70.13	9.16	31.11	11.83	8.64	11.78	8.64	8.27	50.74
TOTAL ANGLE	41d31'52"	41d54'49"	39d46'48"	89d53'29"	133d55'57"	29d09'30"	118d50'16"	48d24'25"	45d00'00"	45d00'00"	45d00'00"	21d32'55"	41d31'52"



NEW FENCE TABLE

NUMBER	EASTING	NORTHING
F1	1261546.37	529244.21
F2	1261561.27	529222.35
F3	1261485.11	529102.71
F4	1261497.44	529095.62
F5	1261440.89	528927.55
F6	1261415.38	528906.52
F7	1261236.27	529006.15
F8	1261289.27	529163.63
F9	1261270.57	529175.58
F10	1261303.98	529227.87
F11	1261294.50	529233.71
F12	1261382.02	529370.40
F13	1261411.69	529351.40
F14	1261423.48	529343.85
F15	1261508.32	529289.53
F16	1261524.07	529273.09
F17	1261538.25	529255.62



VICINITY MAP

SCALE: 1" = 2000'

STRUCTURE TABLE

NUMBER	EASTING	NORTHING	DESCRIPTION
S1	1261369.75	529036.01	CENTER OF TANK
S2	1261278.83	529116.43	SW COR. OF ALTITUDE VALVE CONC. VAULT
S3	1261292.21	529139.60	NW COR. OF ALTITUDE VALVE CONC. VAULT
S4	1261305.11	529200.01	SW COR. OF ENTRY PORT CONC. VAULT
S5	1261314.70	529216.41	NW COR. OF ENTRY PORT CONC. VAULT
S6	1261404.87	529179.46	SOUTH CORNER OF COMM.TOWER
S7	1261403.58	529204.43	NORTH CORNER OF COMM. TOWER
S8	1261425.85	529193.06	EAST CORNER OF COMM. TOWER
S9	1261344.81	529195.59	VAULT ACCESS MANHOLE
S10	1261305.43	529156.72	VAULT ACCESS MANHOLE
S11	1261323.92	529145.81	VAULT ACCESS MANHOLE
S12	1261420.89	529176.38	ELECTRICAL HANDHOLE

EDGE OF ASPHALT DRIVE ACCESS ROAD

POINT #	EASTING	NORTHING	POINT #	EASTING	NORTHING
P7	1261539.68	529257.22	P24	12613302.6	529165.56
P8	1261549.91	529250.94	P25	1261298.72	529188.69
P9	1261530.26	529217.43	P26	1261304.27	529198.18
P10	1261487.35	529181.77	P27	1261368.65	529160.54
P12	1261447.16	529175.97	P28	1261380.00	529159.31
P13	1261431.00	529170.32	P29	1261401.15	529166.20
P14	1261426.52	529161.87	P30	1261407.55	529171.68
P15	1261389.59	529149.80	P31	1261407.89	529172.35
P16	1261384.82	529094.79	P32	1261417.31	529181.21
P17	1261402.06	529085.54	P33	1261441.43	529189.08
P18	1261387.72	529059.94	P34	1261449.67	529188.51
P19	1261360.49	529064.54	P35	1261457.75	529186.15
P20	1261302.94	529098.20	P36	1261477.07	529191.00
P21	1261318.56	529125.25	P37	1261481.25	529192.36
P22	1261324.92	529131.70	P38	1261519.91	529223.50
P23	1261338.38	529139.74	P39	1261450.04	529188.33

NOTE

STAKE OUT INFORMATION FOR THE STORM DRAIN SYSTEM IS ON SHEET C-14.

CENTER LINE OF ASPHALT DRIVE ACCESS ROADWAY

POINT #	DESCRIPTION	STATION	EASTING	NORTHING
P1	BP	0+00.00	1261544.79	529254.08
P2	PC	0+38.97	1261525.08	529220.46
P3	PT	0+94.06	1261483.11	529186.66
P4	PC	2+09.64	1261373.25	529150.78
P5	PT	2+38.90	1261351.03	529132.75
P6	EP	2+93.00	1261323.97	529085.90
P11	EP@ MILL & OVERLAY	0+95.00	1261482.23	529186.37
P39	= 0+00, ACCESS ROADWAY OF ENTRY PORT VALVE VAULT	2+08.80	1261374.01	529151.02
P40		0+84.00	1261301.50	529193.43
P41	= 0+00, ACCESS ROADWAY OF NEW TANK.	2+69.80	1261335.59	529106.02
P42		0+68.00	1261394.97	529072.88

MDE 12-SF-0377

PHOENIX ENGINEERING, INC.
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LEGEND

BENCH MARK

PLAN

SCALE: 1" = 30'

PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 29216 EXPIRATION DATE: 06/19/2013

PERMITTING SUBMITTAL

STATE OF MARYLAND AMAL K. SEDRAK No. 29216 PROFESSIONAL ENGINEER

AMAL K. SEDRAK , P.E.
Professional Engineer No. 29216

DATE	REVISION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 — 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT DELIVERY GROUP

DSGN	AKS
DR.	SGP
CHK	AKS
APVD	AKS
DWG. NO.	C-03

CONTRACT BE5061A09

50S — Y

NO. 10

200S — OF 71

WASHINGTON SUBURBAN SANITARY COMMISSION

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WHITMAN, REQUARDT AND ASSOCIATES, LLP
ENGINEERS, ARCHITECTS, AND PLANNERS
BALTIMORE, MARYLAND

SHADY GROVE STANDPIPE REPLACEMENT

GEOMETRIC LAYOUT PLAN

FINAL FILMED — PLAN FILMED — RELEASED — R/WS ACQUIRED — SOIL BORINGS ORDERED — JOB AUTH.

G:\10\10-038 Shady Grove Water Tank Replacement\Drawings\FINAL\To MDE\708290000 C1-03_Geometric Layout Plan.dwg
Jan 30, 2013 - 1:58pm