

PROJECT: 4230B  
CLIENT: WESTERN VIRGINIA WATER AUTHORITY  
HORIZONTAL DATUM: NAD83/2011 (EPOCH: 2020.0212)  
VERTICAL DATUM: NAVD83  
SURVEY BY: T. W. CALDWELL  
DRAWN BY: J. A. DETHLEFSEN  
CHECK BY: T. W. CALDWELL  
DATE: 11-22-2021  
SCALE: 1" = 20'



#### SURVEY BASELINE

PT #1	N: 3655206.1484	E: 11071324.3558	Z: 1183.0074
	BEARING: N47°39'07"E	DIST: 780.221	
PT #2	N: 3655731.7300	E: 11071900.9910	Z: 1155.4122
	BEARING: N29°59'15"E	DIST: 622.866	
PT #3	N: 3656271.2162	E: 11072212.3058	Z: 1140.4577
	BEARING: N11°33'07"E	DIST: 598.002	
PT #4	N: 3656857.1049	E: 11072332.0592	Z: 1136.7278
	BEARING: N30°06'24"E	DIST: 678.823	
PT #5	N: 3657444.3505	E: 11072872.5637	Z: 1134.0828
	BEARING: N27°43'56"E	DIST: 1128.358	
PT #6	N: 3658443.0975	E: 11073197.6323	Z: 1128.6493
	BEARING: N52°48'34"E	DIST: 1244.077	
PT #7	N: 3659195.1044	E: 11074188.6991	Z: 1143.8250
	BEARING: N55°36'16"E	DIST: 328.373	
PT #8	N: 3659380.6027	E: 11074459.6584	Z: 1140.1520

#### BENCHMARK

BM-1: CHISELED SQUARE S.W. CORNER OF CONC. HEADWALL  
ELEV. = 1130.28'

BM-2: RAILROAD SPIKE IN POWER POLE  
ELEV. = 1142.84'

#### NOTES:

- THIS LOCATION SURVEY OF SANDERSON ROAD FOR WESTERN VIRGINIA WATER AUTHORITY WAS COMPLETED UNDER THE DIRECT AND RESPONSIBLE CHARGE OF TIMOTHY W. CALDWELL, L.S. FROM AN ACTUAL GROUND SURVEY MADE UNDER MY DIRECT SUPERVISION. THAT THE MAGNETIC AND/OR ORIGINAL DATA WAS OBTAINED FROM NOVEMBER 1, 2021 THRU NOVEMBER 12, 2021; THAT THIS PLAN, MAP, OR DIGITAL GEOSPATIAL DATA INCLUDING METADATA MEETS MINIMUM ACCURACY STANDARDS UNLESS OTHERWISE NOTED.
- PROPERTY INFORMATION IS BASED ON PLATS OF RECORD AND PHYSICAL EVIDENCE FOUND.
- HORIZONTAL (NAD 83/2011) AND VERTICAL (NAV808) CONTROL WAS ESTABLISHED BY OPUS BY TIMOTHY L. CALDWELL, L.S.
- CONTOURS AS SHOWN HEREON ARE AT 1'-FOOT INTERVALS.
- UNDERGROUND UTILITIES LOCATION BASED ON DESIGNATION BY MISS UTILITY TICKET NOS. A128701581 & A128701542.

TICKET : A128701581 REV. 00A TAKEN: 10/14/21 11:54 AM

STATE: VA CNTY: BOTETOURT PLACE: CLOVERDALE  
ADDRESS : STONEDALE DR  
RESPONSES DUE BY: 11/08/21 07:00 AM EXPIRES:

WHEN THE MEMBER MARKING CODE IS BLUE, CLICK FOR ADDITIONAL INFORMATION THAT MAY BE PROVIDED BY THE OPERATOR/LOCATOR.

MARKING CODE	DESCRIPTION	RESPONSE
AEP	APPALACHIAN POWER (AEP111)	11/04/21 05:43 PM
MARKED	FIELD CONTACT: BRIAN DONDY LDP (540)204-5732 IN THE EVENT OF DAMAGE TO A FACILITY CALL: (800)956-4237	
AQV	AQUA VIRGINIA-WATER (AQV322) FOR LOCATE FIELD CONTACT: LUTHER GORLEY (877)987-2782 IN THE EVENT OF DAMAGE TO A FACILITY CALL: (877)987-2782 COMCAST (CMC503)	10/15/21 10:30 AM
CMC	MARKED FIELD CONTACT: CABLE PROTECTION SERVICES (804)962-3861 IN THE EVENT OF DAMAGE TO A FACILITY CALL: (877)359-1821 EXT OPT 1 LUMOS TELEPHONE (LMS545)	10/18/21 03:42 PM
LMS	NO CONFLICT; UTILITY IS OUTSIDE OF STATED WORK AREA. FIELD CONTACT: STAKE CENTER LOCATING (801)364-1063 IN THE EVENT OF DAMAGE TO A FACILITY CALL: (877)411-6930 ROANKE GAS (RGS400)	11/03/21 03:15 PM
RGC	MARKED FIELD CONTACT: ZACH BECKNER (540)655-0280 IN THE EVENT OF DAMAGE TO A FACILITY CALL: (540)777-4427 WESTERN VA-BOTETOURT WTR (WVW181)	10/19/21 11:16 AM
WVW	MARKED UP TO PRIVATELY OWNED UTILITY; CONTACT PRIVATE UTILITY OWNER FOR LOCATE FIELD CONTACT: MICHELLE NIDAY (540)283-2981 IN THE EVENT OF DAMAGE TO A FACILITY CALL: (540)283-2981 WESTERN VA-BOTETOURT SWR (WVW182)	10/19/21 11:16 AM
WVW	MARKED UP TO PRIVATELY OWNED UTILITY; CONTACT PRIVATE UTILITY OWNER FOR LOCATE FIELD CONTACT: MICHELLE NIDAY (540)283-2981 IN THE EVENT OF DAMAGE TO A FACILITY CALL: (540)283-2981 WESTERN VA-WIRKSWR (WVW183)	10/19/21 11:16 AM
WVW	NO CONFLICT; UTILITY IS OUTSIDE OF STATED WORK AREA. FIELD CONTACT: MICHELLE NIDAY (540)283-2981 IN THE EVENT OF DAMAGE TO A FACILITY CALL: (540)283-2981	

#### SANITARY SEWER TABLE

(S1) Sanitary Sewer Manhole Top of Rim = 1163.73' Inv. in 8" PVC = 1152.34' Inv. Out 8" PVC = 1152.24'	(S17) Sanitary Sewer Manhole Paved Over: Data from WVWA GIS Top of Rim = 1134.45' Inv. 8" PVC Flow = 1124.65'	(S18) Sanitary Sewer Manhole Top of Rim = 1126.08' Inv. in 8" PVC (S1) = 1155.00' Inv. in 8" PVC (S2) = 1151.23' Inv. Out 8" PVC (S4) = 1149.95'	(S19) Sanitary Sewer Manhole Top of Rim = 1126.08' Inv. in 8" Terra Cotta (S13) = 1115.85' Inv. Out 8" Terra Cotta (S15) = 1115.78'	(S20) Sanitary Sewer Manhole Top of Rim = 1131.92' Inv. 4" PVC Lat = 1129.62' Inv. in 8" PVC (S8) = 1126.57' Inv. Out 8" PVC (S11) = 1126.47'
(S2) Sanitary Sewer Manhole Top of Rim = 1168.48' Inv. Out 8" PVC (S3) = 1155.63'	(S12) Sanitary Sewer Manhole Paved Over: Data from WVWA GIS Top of Rim = 1135.78' Inv. 8" PVC Flow = 1123.83'	(S21) Sanitary Sewer Manhole Top of Rim = 1161.14' Inv. in 8" PVC (S1) = 1155.00' Inv. in 8" PVC (S2) = 1151.23' Inv. Out 8" PVC (S4) = 1149.95'	(S13) Sanitary Sewer Manhole Top of Rim = 1126.08' Inv. in 8" Terra Cotta (S13) = 1115.85' Inv. Out 8" Terra Cotta (S15) = 1115.78'	(S21) Sanitary Sewer Manhole Top of Rim = 1161.14' Inv. in 8" PVC (S1) = 1155.00' Inv. in 8" PVC (S2) = 1151.23' Inv. Out 8" PVC (S4) = 1149.95'
(S3) Sanitary Sewer Manhole Top of Rim = 1161.14' Inv. in 8" PVC (S1) = 1155.00' Inv. in 8" PVC (S2) = 1151.23' Inv. Out 8" PVC (S4) = 1149.95'	(S13) Sanitary Sewer Manhole Top of Rim = 1126.08' Inv. in 8" Terra Cotta (S13) = 1115.85' Inv. Out 8" Terra Cotta (S15) = 1115.78'	(S14) Sanitary Sewer Manhole Top of Rim = 1126.08' Inv. in 8" Terra Cotta (S13) = 1115.85' Inv. Out 8" Terra Cotta (S15) = 1115.78'	(S15) Sanitary Sewer Manhole Top of Rim = 1119.60' Inv. in 8" Terra Cotta (S14) = 1115.80' Inv. Out 8" Terra Cotta (S15) = 1115.22'	(S15) Sanitary Sewer Manhole Top of Rim = 1119.60' Inv. in 8" Terra Cotta (S14) = 1115.80' Inv. Out 8" Terra Cotta (S15) = 1115.22'
(S4) Sanitary Sewer Manhole Top of Rim = 1157.09' Inv. in 8" PVC (S3) = 1146.91' Inv. Out 8" PVC (S5) = 1146.86'	(S15) Sanitary Sewer Manhole Top of Rim = 1119.60' Inv. in 8" Terra Cotta (S14) = 1115.80' Inv. Out 8" Terra Cotta (S15) = 1115.22'	(S16) Sanitary Sewer Manhole Top of Rim = 1155.54' Inv. in 8" PVC (S4) = 1146.29' Inv. Out 8" PVC (S6) = 1146.24'	(S16) Sanitary Sewer Manhole Top of Rim = 1119.60' Inv. in 8" Terra Cotta (S14) = 1115.80' Inv. Out 8" Terra Cotta (S15) = 1115.22'	(S16) Sanitary Sewer Manhole Top of Rim = 1119.60' Inv. in 8" Terra Cotta (S14) = 1115.80' Inv. Out 8" Terra Cotta (S15) = 1115.22'
(S5) Sanitary Sewer Manhole Top of Rim = 1155.54' Inv. in 8" PVC (S4) = 1146.29' Inv. Out 8" PVC (S6) = 1146.24'	(S16) Sanitary Sewer Manhole Top of Rim = 1119.60' Inv. in 8" Terra Cotta (S14) = 1115.80' Inv. Out 8" Terra Cotta (S15) = 1115.22'	(S6) Sanitary Sewer Manhole Top of Rim = 1152.72' Inv. in 8" PVC (S5) = 1142.85' Inv. Out 8" PVC (S7) = 1142.79'	(S17) Sanitary Sewer Manhole Top of Rim = 1147.82' Inv. in 8" PVC (S6) = 1142.77' Inv. Out 8" PVC (S8) = 1142.70'	(S17) Sanitary Sewer Manhole Top of Rim = 1147.82' Inv. in 8" PVC (S6) = 1142.77' Inv. Out 8" PVC (S8) = 1142.70'
(S6) Sanitary Sewer Manhole Top of Rim = 1152.72' Inv. in 8" PVC (S5) = 1142.85' Inv. Out 8" PVC (S7) = 1142.79'	(S17) Sanitary Sewer Manhole Top of Rim = 1147.82' Inv. in 8" PVC (S6) = 1142.77' Inv. Out 8" PVC (S8) = 1142.70'	(S7) Sanitary Sewer Manhole Top of Rim = 1147.82' Inv. in 8" PVC (S6) = 1142.77' Inv. Out 8" PVC (S8) = 1142.70'	(S18) Sanitary Sewer Manhole Top of Rim = 1142.52' Inv. in 8" PVC (S7) = 1138.83' Inv. Out 8" PVC (S9) = 1138.16'	(S18) Sanitary Sewer Manhole Top of Rim = 1142.52' Inv. in 8" PVC (S7) = 1138.83' Inv. Out 8" PVC (S9) = 1138.16'
(S7) Sanitary Sewer Manhole Top of Rim = 1147.82' Inv. in 8" PVC (S6) = 1142.77' Inv. Out 8" PVC (S8) = 1142.70'	(S18) Sanitary Sewer Manhole Top of Rim = 1142.52' Inv. in 8" PVC (S7) = 1138.83' Inv. Out 8" PVC (S9) = 1138.16'	(S8) Sanitary Sewer Manhole Top of Rim = 1142.52' Inv. in 8" PVC (S7) = 1138.83' Inv. Out 8" PVC (S9) = 1138.16'	(S19) Sanitary Sewer Manhole Top of Rim = 1144.07' Inv. in 8" PVC (S8) = 1137.13' Inv. In Lateral = 1212.28' Inv. In Lateral = 1212.28' Inv. In 8" PVC (S10) = 1212.32' Inv. Out 8" PVC (S11) = 1212.27'	(S19) Sanitary Sewer Manhole Top of Rim = 1144.07' Inv. in 8" PVC (S8) = 1137.13' Inv. In Lateral = 1212.28' Inv. In Lateral = 1212.28' Inv. In 8" PVC (S10) = 1212.32' Inv. Out 8" PVC (S11) = 1212.27'
(S8) Sanitary Sewer Manhole Top of Rim = 1142.52' Inv. in 8" PVC (S7) = 1138.83' Inv. Out 8" PVC (S9) = 1138.16'	(S19) Sanitary Sewer Manhole Top of Rim = 1144.07' Inv. in 8" PVC (S8) = 1137.13' Inv. In Lateral = 1212.28' Inv. In Lateral = 1212.28' Inv. In 8" PVC (S10) = 1212.32' Inv. Out 8" PVC (S11) = 1212.27'	(S9) Sanitary Sewer Manhole Top of Rim = 1144.07' Inv. in 8" PVC (S8) = 1137.13' Inv. In Lateral = 1212.28' Inv. In Lateral = 1212.28' Inv. In 8" PVC (S10) = 1212.32' Inv. Out 8" PVC (S11) = 1212.27'	(S20) Sanitary Sewer Manhole Top of Rim = 1131.92' Inv. 4" PVC Lat = 1129.62' Inv. in 8" PVC (S8) = 1126.57' Inv. Out 8" PVC (S11) = 1126.47'	(S20) Sanitary Sewer Manhole Top of Rim = 1131.92' Inv. 4" PVC Lat = 1129.62' Inv. in 8" PVC (S8) = 1126.57' Inv. Out 8" PVC (S11) = 1126.47'

#### WATER LINE TABLE

(W1) Water Manhole Top of Rim = 1160.34' Nothing In Manhole	(W2) Water Manhole Top of Rim = 1161.51' Top of Nut = 1158.53'	(W3) Water Valve Top of Rim = 1140.59' Paved Over	(W4) Water Valve Top of Rim = 1141.14' Paved Over	(W5) Water Valve Top of Rim = 1142.74' Top of Nut = 1140.16'	(W6) Water Valve Top of Rim = 1141.65' Top of Nut = 1139.17'	(W7) Water Manhole Top of Rim = 1212.97' Top of Nut = 1210.46'	(W8) Water Manhole Top of Rim = 1211.57' Top of Nut = 1208.97'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'
(W1) Water Manhole Top of Rim = 1160.34' Nothing In Manhole	(W2) Water Manhole Top of Rim = 1161.51' Top of Nut = 1158.53'	(W3) Water Valve Top of Rim = 1140.59' Paved Over	(W4) Water Valve Top of Rim = 1141.14' Paved Over	(W5) Water Valve Top of Rim = 1142.74' Top of Nut = 1140.16'	(W6) Water Valve Top of Rim = 1141.65' Top of Nut = 1139.17'	(W7) Water Manhole Top of Rim = 1212.97' Top of Nut = 1210.46'	(W8) Water Manhole Top of Rim = 1211.57' Top of Nut = 1208.97'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'
(W2) Water Manhole Top of Rim = 1161.51' Top of Nut = 1158.53'	(W3) Water Valve Top of Rim = 1140.59' Paved Over	(W4) Water Valve Top of Rim = 1141.14' Paved Over	(W5) Water Valve Top of Rim = 1142.74' Top of Nut = 1140.16'	(W6) Water Valve Top of Rim = 1141.65' Top of Nut = 1139.17'	(W7) Water Manhole Top of Rim = 1212.97' Top of Nut = 1210.46'	(W8) Water Manhole Top of Rim = 1211.57' Top of Nut = 1208.97'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'
(W3) Water Valve Top of Rim = 1140.59' Paved Over	(W4) Water Valve Top of Rim = 1141.14' Paved Over	(W5) Water Valve Top of Rim = 1142.74' Top of Nut = 1140.16'	(W6) Water Valve Top of Rim = 1141.65' Top of Nut = 1139.17'	(W7) Water Manhole Top of Rim = 1212.97' Top of Nut = 1210.46'	(W8) Water Manhole Top of Rim = 1211.57' Top of Nut = 1208.97'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'
(W4) Water Valve Top of Rim = 1141.14' Paved Over	(W5) Water Valve Top of Rim = 1142.74' Top of Nut = 1140.16'	(W6) Water Valve Top of Rim = 1141.65' Top of Nut = 1139.17'	(W7) Water Manhole Top of Rim = 1212.97' Top of Nut = 1210.46'	(W8) Water Manhole Top of Rim = 1211.57' Top of Nut = 1208.97'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'
(W5) Water Valve Top of Rim = 1142.74' Top of Nut = 1140.16'	(W6) Water Valve Top of Rim = 1141.65' Top of Nut = 1139.17'	(W7) Water Manhole Top of Rim = 1212.97' Top of Nut = 1210.46'	(W8) Water Manhole Top of Rim = 1211.57' Top of Nut = 1208.97'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'
(W6) Water Valve Top of Rim = 1141.65' Top of Nut = 1139.17'	(W7) Water Manhole Top of Rim = 1212.97' Top of Nut = 1210.46'	(W8) Water Manhole Top of Rim = 1211.57' Top of Nut = 1208.97'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'
(W7) Water Manhole Top of Rim = 1212.97' Top of Nut = 1210.46'	(W8) Water Manhole Top of Rim = 1211.57' Top of Nut = 1208.97'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'
(W8) Water Manhole Top of Rim = 1211.57' Top of Nut = 1208.97'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'
(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'	(W9) Water Manhole Top of Rim = 1211.36' Top of Nut = 1209.04'

#### STORM DRAIN TABLE

\* DENOTES DATA OBTAINED FROM PLANS OF VDOT PROJECT 0654-011-166 C-502

(D1) In Pl. 24" CMP Inv. in = 1158.95' Inv. Out = 1157.48'	(D2) Catch Basin Top of Grade = 1135.50' Inv. in 15" CMP (D20) = 1133.10' Inv. Out 15" CMP (D22) = 1133.10'	(D40) In Pl. 15" CMP Buried Inv. in = 1122.15' Inv. Out = 1122.08'	(D60) In Pl. 24" RCP Inv. in = 1140.94' Inv. Out = 1138.37'
(D2) In Pl. 30" HDPE Inv. in = 1156.54' Inv. Out = 1155.21'	(D22) In Pl. 15" CMP Inv. in = 1133.10' Inv. Out = 1132.20'	(D41) Catch Basin Top of Grade = 1122.00' Inv. Out 24" CMP (D42) = 1119.63'	(D81) In Pl. 15" CMP Inv. in = 1139.17' Inv. Out = 1133.89'
(D3) In Pl. 30" RCP Inv. in = 1149.83' Inv. Out = 1150.21'	(D23) Catch Basin Top of Grade = 1132.01' Inv. Out 18" CMP (D24) = 1127.95'	(D42) In Pl. 24" CMP Inv. in = 1119.63' Inv. Out = 1119.00'	(D62) In Pl. 36" RCP Inv. in = 1119.63' Inv. In Blind Tie to (D53) Inv. Out = 1151.75'
(D4) Curb Inlet Top of Rim = 1155.09' Inv. in 30" RCP (D3) = 1150.21' Inv. Out 30" RCP (D5) = 1150.18'	(D24) In Pl. 18" CMP Top of Grade = 1127.95' Inv. in 18" CMP (D42) = 1119.00' Inv. Out 24" CMP = 1118.92'	(D43) Catch Basin Top of Grade = 1123.63' Inv. in 24" CMP (D42) = 1119.00' Inv. Out 24" CMP = 1118.92'	(D63) 2x In Pl. 7" CMP Inv. in = 1127.35' Inv. Out = 1127.30'
(D5) In Pl. 30" RCP Inv. in = 1150.18' Inv. Out = 1149.80'	(D25) Storm Drain Manhole Top of Rim = 1126.53' Inv. in 18" CMP = 1122.33' Inv. Out 18" CMP (D45) = 1118.48'	(D44) In Pl. Triple Box Culvert 8'x8' Inv. in = 1118.35' Inv. Out = 1118.15'	(D64) 2x In Pl. 7" CMP Inv. in = 1121.45' Inv. Out = 1121.36'
(D6) Curb Inlet Top of Rim = 1155.11' Inv. in 30" RCP (D3) = 1149.80' Inv. Out 30" RCP (D7) = 1149.68'	(D26) In Pl. 14" x 22" OVAL RCP Inv. in = 1127.97' Inv. Out = 1127.83'	(D45) In Pl. 18" CMP Inv. in = 1118.48' Inv. Out = 1118.15'	(D65) In Pl. 24" RCP Inv. in = 1141.35' Inv. Out (Buried) = 1139.98'
(D7) In Pl. 30" RCP Inv. in = 1149.83' Inv. Out = 1149.75'	(D27) In Pl. 6" PVC Inv. in = 1116.99' Inv. Out = 1113.25'	(D46) In Pl. 18" CMP Inv. in = 1116.99' Inv. Out = 1113.21'	(D66) In Pl. 18" RCP Inv. in = 1118.92' Inv. Out (Buried) = Direction Only
(D8) In Pl. 55'x72" Elliptical CMP Top of Rim = 1137.28' Inv. Out 18" CMP (D29) = 1122.13'	(D28) Catch Basin Top of Grade = 1125.01' Inv. Out 18" RCP (D67) = 1135.53'	(D47) Catch Basin Top of Grade = 1139.28' Inv. Out 18" RCP (D67) = 1135.53'	(D67) In Pl. 18" RCP Inv. in = 1135.53' Inv. Out = 1133.40'
(D9) In Pl. 55'x72" Elliptical CMP Top of Rim = 1137.32' Inv. Out = 1135.60'	(D29) In Pl. 18" CMP Inv. in = 1122.13' Inv. Out = 1121.29'	(D48) In Pl. 18" CMP Inv. in = 1139.83' Inv. Out Blind Tie to (D9)	(D68) Catch Basin (Buried) Top of Grade = 1136.00' Inv. in 18" CMP (D67) = 1133.40' Inv. Out 30" x 19" Elliptical = 1133.30'
(D10) Catch Basin Top of Rim = 1141.95' Inv. Out 18" RCP = 1139.83'	(D30) Storm Drain Manhole Top of Rim = 1124.74' Inv. in 18" CMP = 1121.29' Inv. Out 18" CMP (D46) = 1116.99'	(D49) In Pl. 36" HDP Inv. in Direction Unknown Inv. Out = 1154.67'	(D69) In Pl. 18" RCP Inv. in = 1135.58' Inv. Out = 1133.40'
(D11) Catch Basin Top of Rim = 1142.60' Inv. Out 18" RCP = 1139.17'	(D31) Catch Basin Top of Grade = 1122.56' Inv. Out 24" CMP (D32) = 1118.21'	(D50) Curb Inlet Top of Rim = 1160.53' Inv. in 36" HDP (D49) = 1154.67' Inv. Out 36" HDP (D51) = 1154.52'	(D70) Catch Basin Top of Grade =