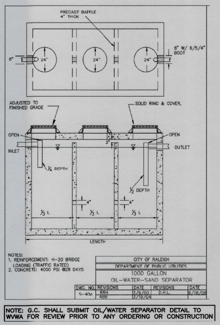


NOTES:
1. REINFORCEMENT: H-20 BRIDGE LOADING (TRAFFIC RATED)
2. CONCRETE: 4000 PSI @28 DAYS

CITY OF RALEIGH
DEPARTMENT OF PUBLIC UTILITIES
1000 GALLON
OIL-WATER-SAND SEPARATOR

DWG. NO.	REVISIONS	DATE	REVISIONS	DATE
S-40a	RRH	3/9/00	D.H.L.	6/18/08
	ABB	3/19/04		

NOTE: G.C. SHALL SUBMIT OIL/WATER SEPARATOR DETAIL TO WVWA FOR REVIEW PRIOR TO ANY ORDERING OR CONSTRUCTION

SANITARY SEWER SCHEDULE:

BLDG Ⓐ 5 LF 6" SDR-35 PVC AT 2.00% (PRIVATE)

Ⓐ PRIVATE 6" S.S. C.O. (TRAFFIC BEARING)
TOP = 1302.76
INV. = 1295.00

Ⓐ Ⓑ 32 LF OF 6" SDR-35 PVC AT 1.25% (PRIVATE)

Ⓑ PRIVATE 6" S.S. C.O. (TRAFFIC BEARING)
TOP = 1301.60
INV. = 1294.60

Ⓑ Ⓒ 21 LF OF 6" SDR-35 PVC AT 1.44% (PRIVATE)

Ⓒ PRIVATE SAMPLING MANHOLE
TOP = 1301.29
INV. IN = 1296.00
INV. IN = 1294.30
INV OUT= 1294.20

Ⓒ Ⓓ 100 LF OF 6" SDR-35 PVC AT 1.10% (PRIVATE)

Ⓓ PRIVATE 6" S.S. C.O. (TRAFFIC BEARING)
TOP = 1297.56
INV. = 1293.10

Ⓓ Ⓔ 100 LF OF 6" SDR-35 PVC AT 1.10% (PRIVATE)

Ⓔ PRIVATE 6" S.S. C.O.
TOP = 1298.62
INV. = 1292.00

Ⓔ Ⓕ 79 LF OF 6" SDR-35 PVC AT 1.14% (PRIVATE)

Ⓕ PRIVATE 6" S.S. C.O. (TRAFFIC BEARING)
TOP = 1297.00
INV. = 1291.10

Ⓕ Ⓖ 78 LF OF 6" SDR-35 PVC AT 15.57% (PRIVATE).

Ⓖ PRIVATE 6" S.S. C.O. (TRAFFIC BEARING)
TOP = 1283.52
INV. IN =1279.00
INV. OUT =1271.50

Ⓖ Ⓗ 19 LF OF 6" SDR-26 PVC AT 18.08% (PRIVATE)

Ⓗ PRIVATE 6" S.S. C.O. (TRAFFIC BEARING)
TOP = 1273.84
INV. IN =1268.00
INV. OUT =1261.50

Ⓗ Ⓘ 19 LF OF 6" SDR-26 PVC AT 18.01% (PRIVATE)

Ⓘ PUBLIC SAMPLING MANHOLE
TOP = 1264.81
INV. IN = 1258.10
INV. OUT = 1258.00

Ⓘ EX 10 LF OF 6" SDR-26 PVC AT 19.43% (PUBLIC)

EX EX. PUBLIC S.S. MANHOLE
EX. TOP = 1261.00
NEW INV. IN = 1256.00
APPROX. BENCH LOCATION 1237.50 (G.C. TO VERIFY PRIOR TO ANY CONSTRUCTION)
EX. INV. OUT = 1237.00 (G.C. TO VERIFY PRIOR TO ANY CONSTRUCTION)
G.C. SHALL PLUG EX. INV. IN FROM THE SUBJECT SITE WITH MECHANICAL PLUG

G.C. TO CONFIRM TIE-IN ELEVATION AT EXISTING MAIN PRIOR TO ANY CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES IMMEDIATELY

BLDG Ⓙ 5 LF 6" SDR-35 PVC AT 2.00% (PRIVATE)

Ⓙ PRIVATE 6" S.S. C.O. (TRAFFIC BEARING)
TOP = 1165.92
INV. IN = 1298.00

Ⓙ Ⓚ 21 LF OF 6" SDR-35 PVC AT 4.72% (PRIVATE)

Ⓚ PRIVATE 1,000 GALLON OIL/WATER SEPARATOR
TOP = 1301.70
INV. = 1297.00

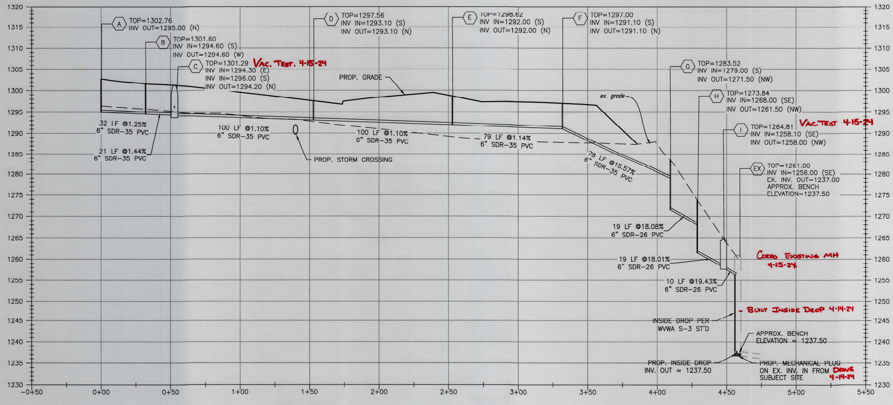
Ⓚ Ⓒ 9 LF OF 6" SDR-35 PVC AT 11.49% (PRIVATE)

NOTES:
1. G.C. TO CONFIRM & COORDINATE ALL BUILDING TIE-IN LOCATIONS WITH M.E.P. AND ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION OF LATERALS.
2. G.C. TO CONFIRM ALL TIE-IN LOCATIONS TO EXISTING LINES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.

STORM SCHEDULE

STR#	TYPE	NOSE	TOP ELEV.	HEIGHT	LENGTH	DIAMETER	MATERIAL	SLOPE	INV. IN	INV. OUT	COMMENTS
1	DI-3C	TYPE B	1294.00	5.50	10.00						IS-1, ST-1
2					152.99	24"	HDPE (TYPE S)	0.52%	1288.50	1287.70	
3	DI-3C	TYPE B	1294.00	6.40	10.00						IS-1, ST-1
4					150.01	24"	HDPE (TYPE S)	0.53%	1287.60	1286.80	
5	DI-3C	TYPE B	1294.00	7.30	10.00						IS-1, ST-1
6					170.06	24"	HDPE (TYPE S)	0.53%	1286.70	1285.80	
7	DI-3CC	TYPE B	1297.00	21.00	8.00						8,000 SF OF FUTURE IMPERVIOUS, SL 1,
8					54.97	24"	CL. III RCP	5.46%	1276.00	1273.00	
9	48" MH-2		1277.93	19.93							SL-1, IS-1, ST-1
10					32.00	24"	CL. III RCP	5.94%	1258.00	1256.10	
11	48" MH-2		1261.71	19.71							IS-1, ST-1
12					65.21	24"	CL. III RCP	6.13%	1242.00	1238.00	
13	48" MH-2		1241.98	19.98							SL-1, IS-1, ST-1
14					33.09	24"	CL. III RCP	6.04%	1222.00	1220.00	
15	48" MH-2		1225.58	13.58							SL-1, IS-1, ST-1
16	PIPE				54.08	24"	HDPE (TYPE S)	3.70%	1212.00	1210.00	24" HDPE END SECTION
17	DI-3C	TYPE B	1300.40	4.80	10.00						IS 1, ST 1
18					90.00	15"	HDPE (TYPE S)	0.56%	1295.60	1295.10	
19	DI-3C	TYPE B	1300.40	5.40	6.00						IS-1, ST-1
20					140.46	18"	HDPE (TYPE S)	0.50%	1295.00	1294.30	
21			1302.09	7.89							IS-1
22					200.77	18"	HDPE (TYPE S)	0.50%	1294.20	1293.20	
23	48" MH-1		1298.91	5.81							ROOF LEADER TRUNKLINE, IS-1, ST-1
24					214.82	24"	HDPE (TYPE S)	0.56%	1293.10	1291.90	
25	48" MH-1		1298.91	7.11							ROOF LEADER TRUNKLINE, IS-1, ST-1
26					134.51	24"	HDPE (TYPE S)	0.97%	1291.80	1290.50	
27	DI-3B	TYPE B	1308.93	6.43	10.00						IS-1, ST-1
28					150.13	15"	HDPE (TYPE S)	4.26%	1302.50	1296.10	
29	DI-1		1300.60	4.60							IS 1, ST 1
30					113.85	18"	HDPE (TYPE S)	0.53%	1296.00	1295.40	
31	DI-1		1299.90	4.60							8,600 SF FUTURE IMPERVIOUS COVER,
32					143.97	18"	HDPE (TYPE S)	1.04%	1295.30	1293.80	
33	DI-1		1300.22	6.52							12,200 SF FUTURE IMPERVIOUS COVER,
34					117.15	24"	HDPE (TYPE S)	1.88%	1303.70	1301.50	
35	DI-1		1300.00	8.60							IS-1, ST-1
36					183.28	24"	HDPE (TYPE S)	1.20%	1291.40	1289.20	
37	DI-3C	TYPE B	1296.80	7.70	10.00						11,000 SF FUTURE IMPERVIOUS, IS-1, ST-1
O-37	PIPE				79.08	24"	HDPE (TYPE S)	48.81%	1254.00	1215.40	EXISTING PIPE
38					154.50	24"	HDPE (TYPE S)	1.04%	1289.10	1287.50	
39	DI-3CC	TYPE B	1296.30	8.90	10.00						IS-1, ST-1
40					203.71	24"	HDPE (TYPE S)	0.88%	1287.40	1285.60	
41	48" MH-2		1222.00	11.00							ST-1
42	PIPE				58.99	30"	HDPE (TYPE S)	6.78%	1211.00	1207.00	30" HDPE END SECTION
43			1205.99	4.36							
44	PIPE				66.24	30"	CL. III RCP	1.35%	1201.63	1200.74	30" HDPE END SECTION

SANITARY SEWER PROFILE



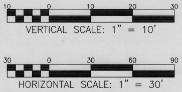
Vac. Test. 4-15-24

Vac. Test 4-15-24

Cored Existing MH 4-15-24.

- Built Inside Drop 4-14-24

Done 4-14-24



VERTICAL SCALE: 1" = 10'

HORIZONTAL SCALE: 1" = 30'

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Shenandoah Valley
www.balzer.cc
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Roanoke, VA 24018
540.772.9580

CHRISTOPHER P. BURNS
Lic. No. 47338
2/5/2024

GLENMARY DRIVE - SUNCAP

UTILITY PROFILES III

GLENMARY DRIVE
ROANOKE COUNTY, VIRGINIA

DRAWN BY	AAB
DESIGNED BY	AAB
CHECKED BY	BTC
DATE	12/21/2023
SCALE	AS SHOWN
REVISIONS	
1/2/2024	
1/29/2024	
1/30/2024	
2/5/2024	

C8.3
PROJECT NO. 04230016.01

APPROVED, 2/12/2024