

Town of Henrietta

RECORD DRAWING REQUIREMENTS

FOR

UTILITIES

April 23, 2013

RECORD DRAWING REQUIREMENTS FOR
TOWN OF HENRIETTA UTILITIES

GENERAL

1. Record drawings will be required for all dedicated or private utilities shown on the Town approved plans or drawings (See Typical Record Map – Example No. 1).
2. The information shown on the record drawings will reflect the actual location of the utility infrastructure. Any deviations, alterations, or modifications from Town approved plans shall be noted on the record drawings. An amended easement shall be provided to the Director of Engineering & Planning for any utility which is offset or outside of the originally established easement.
3. All tie-distances shall be measured from permanent surface structures; such as manholes, catch basins, hydrants, and buildings. These distances shall not exceed 100 feet and should be measured to the nearest 10th of a foot. Clustered tie-distances may have to be enlarged for clarity. (See Example No. 2)
4. Any multi-cluster housing, such as townhouses and condominiums, shall have separate record utility drawings for each utility (sanitary, storm, water) for clarity.
5. The mylar size shall be 22” x 34” and the minimum mylar thickness shall be 2 millimeters.
6. The minimum scale allowed will be 1” = 50’.
7. The minimum lettering size accepted will be 1/8” or 100 Template.
8. Project title block shall include: Project Name, Address, Location, and Owner.
9. Record Drawings shall be certified and stamped by either a NYS Licensed Civil Engineer or Land Surveyor.
10. Upon final acceptance, two (2) reproducible mylars, three (3) prints, and a CD shall be submitted to the Town.

WATERMAIN SYSTEM

1. The pipe size, material type, and class designation, such as 8" D.I.P., Class 51, shall be noted.
2. Any on-line appurtenances, such as reducers, tapping sleeve, and valves, concrete encasements or casings, shall be noted.
3. The distance from the centerline of a hydrant and it's guard valve shall be noted.
4. For all residential lots, the actual location of the water service curb box with three-way tie-distances shall be supplied with the instrument survey for each individual lot (See Example No. 4)
5. When a backflow prevention device is installed, it's location within the building shall be noted.
6. Subject to any record drawing requirements of the Monroe County Water Authority.

SANITARY SEWER SYSTEM

1. The pipe size and material type shall be noted.
2. Actual measured mainline pipe distance between manholes and actual computed pipe slopes shall be noted.
3. Directional flow arrows shall be indicated for all pipe runs.
4. The pipe stationing, rim elevation, and all individual pipe inverts (entering and exiting) shall be noted for all manholes.
5. For residential subdivisions, as part of the final record utility plans, the following is required and shall be noted for each individual lot: (See Example No. 3)
 - A. Lateral wye locations on the sanitary sewer main based on pipe stationing from manhole station.
 - B. Length of lateral offset measured by the right angle tie from the centerline of the sanitary sewer main to the lateral cleanout.
 - C. Pipe stationing of the lateral cleanout located by the right angle tie from the centerline of the sanitary sewer main.
6. For all residential lots, the actual location of all sanitary cleanouts with three-way tie-distances shall be supplied with the instrument survey for each individual lot. (See Example No. 4)
7. For industrial or commercial projects, the actual locations with three-way tie-distances of all sanitary cleanouts shall be noted.
8. Requirements for pump stations and appurtenances shall be determined by the Director of Engineering & Planning on an individual basis.

STORM SEWER SYSTEM

1. The pipe size and material type shall be noted.
2. Actual measured mainline pipe distances between manholes and actual computed pipe slopes shall be noted.
3. Directional flow arrows shall be indicated for all pipe runs.
4. The pipe stationing, rim, or grate elevation, and all individual pipe inverts (entering and exiting) shall be noted for all manholes.
5. The grate elevation and all individual pipe inverts shall be supplied for all field inlets.
6. Grate elevations and pipe inverts for roadway drop inlets will be required to be supplied.
7. All end section invert elevations shall be noted.
8. For residential subdivisions, as part of the final record utility plans, the following is required and shall be noted for each individual lot: (See Example No. 3)
 - A. Lateral wye locations on the storm sewer main based on pipe stationing from manhole station.
 - B. Length of lateral offset measured by the right angle tie from the centerline of the storm sewer main to the lateral cleanout.
 - C. Pipe stationing of the lateral cleanout located by the right angle tie from the centerline of the storm sewer main.
9. For all residential lots, the actual location of the storm cleanout with three-way tie-distances shall be supplied with the instrument survey for each individual lot. (See Example No. 4)
10. For industrial or commercial projects, the actual locations with three-way tie-distances of all storm cleanouts shall be noted.
11. Spot elevations at 100 foot increments shall be supplied for any concrete swales or pond channels.
12. Record contour map shall be supplied for stormwater management facilities. In addition, elevations shall be provided for the pond control structure, spillway, and berm perimeter. Also, record pond volumes versus design volumes must be reported in the form of a note.

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23

24

SAN. M.H. S-4
STA. 4+65.5
RIM. 553.42
W.INV. 544.41
E.INV. 544.26

SAN.
Y=4+56
L=17'
C.O.=4+58

ST.
Y=5+19
L=20'
C.O.=5+22

W.S.
C.B.=1+27.31'N
E=1+29.41'N

ST. M.H. D-9
STA. 4+08 = 0+00
RIM. 554.25
N.INV. 547.41
W.INV. 547.25
E.INV. 547.05

SAN. M.H. S-5
STA. 3+15 = 0+00
RIM. 554.34
S.INV. 543.75
W.INV. 543.63
E.INV. 543.46

SAN.
Y=2+81
L=16'
C.O.=2+81

ST.
Y=3+79
L=21'
C.O.=3+80

W.S.
C.B.=2+75.29'N
E=2+74.42'N

R.O.W.

C.O.

C.O.

C.B.

150.5 L.F.- 8" PVC SAN. @ 0.42%

131.4 L.F.- 18" RCP ST. @ 1.25%

200 L.F.- 8" PVC SAN. @ 0.52%

180 L.F.- 18" RCP ST. @ 1.34%

1+00

2+00

3+00

ST. M.H. D-8
STA. 5+39.4
RIM 553.30
W. INV. 549.01
E. INV. 548.89

12" D.I.P. WATER MAIN

SAN.
Y=4+50
L=57'
C.O.=4+52

ST.
Y=5+06
L=63'
C.O.=5+09

W.S.
C.B.=1+32.30'S
E=1+33.43'S

HYD.

SEE DETAIL
(EXAMPLE NO. 1)

12" D.I.P. WATER MAIN CLASS 51

W.S.
C.B.=2+73.31'S
E=2+71.44'S

R.O.W.

40

53

D.I-9

12" D.I.P. W.M.

2" BLOW-OFF

12" PCMP

1+00

D.I.-8

D

S

70 L.F.- 12" RCP ST. @ 0.42%

C.O.

C.O.

SAN.
Y=0+79
L=25'
C.O.=0+85

ST.
Y=0+63
L=23'
C.O.=0+69

ST. M.H. DA-1
STA. 0+70
RIM. 552.38
S.W.INV. 548.45
N.INV. 548.28

SAN. M.H. SA-1
STA. 1+02.4
RIM. 552.48
N.INV. 544.18
S.INV. 544.29 STUB

EXAMPLE NO. 1



TOWN OF HENRIETTA

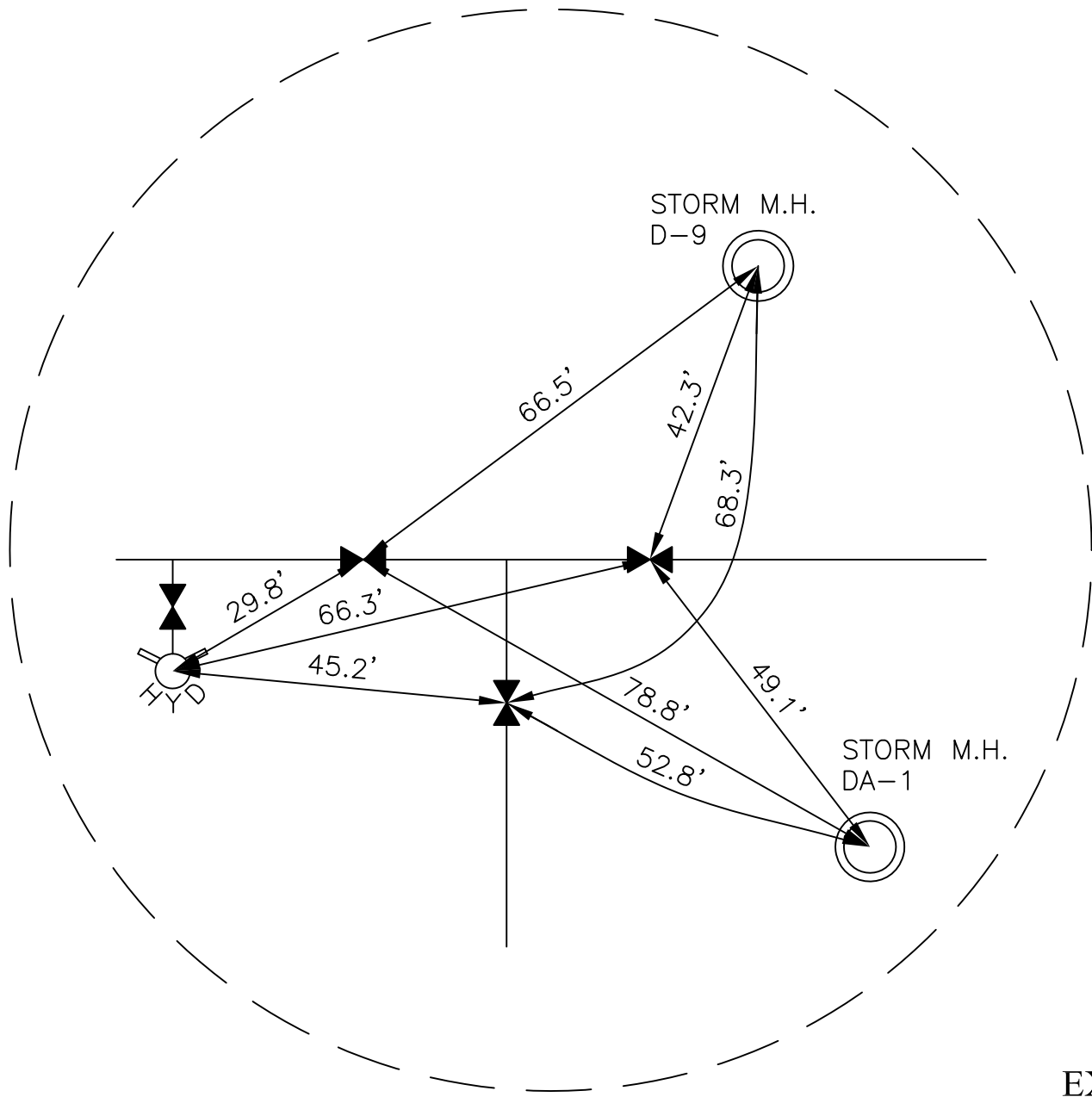
TYPICAL RECORD MAP

SCALE: N.T.S.


DATE: 4/2/2013

RM-1

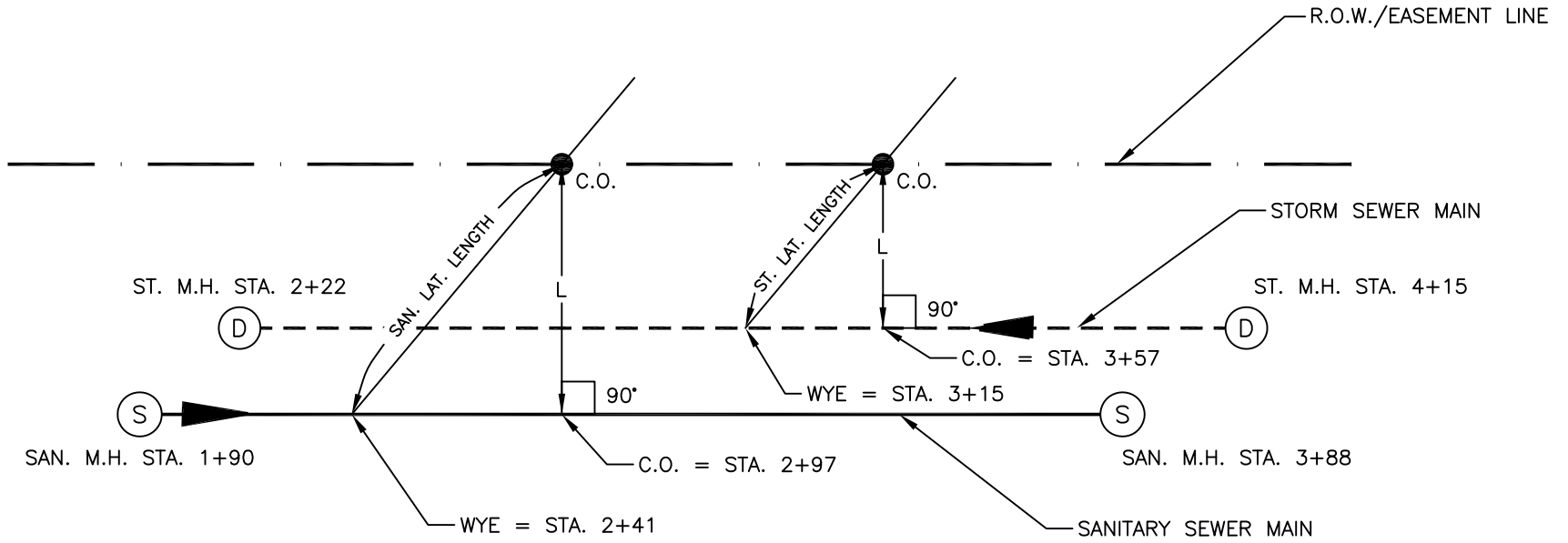
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EXAMPLE NO. 2

 TOWN OF HENRIETTA	WATER VALVE TIES	
	SCALE: N.T.S.	RM-2
	DATE: 06/15/2013	

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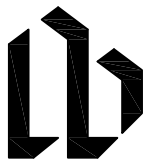


L = LENGTH OF OFFSET MEASURED BY RIGHT ANGLE TIE FROM THE RESPECTIVE MAINLINE SEWER TO THE LATERAL CLEANOUT.

NOTES:

1. ALL SANITARY OR STORM LATERAL TIE DISTANCES ARE MEASURED FROM THE SANITARY OR STORM SEWER MAIN, RESPECTIVELY.
2. THE LATERALS ARE LOCATED BY RIGHT ANGLE TIES FROM THEIR RESPECTIVE MAINLINE SEWER.

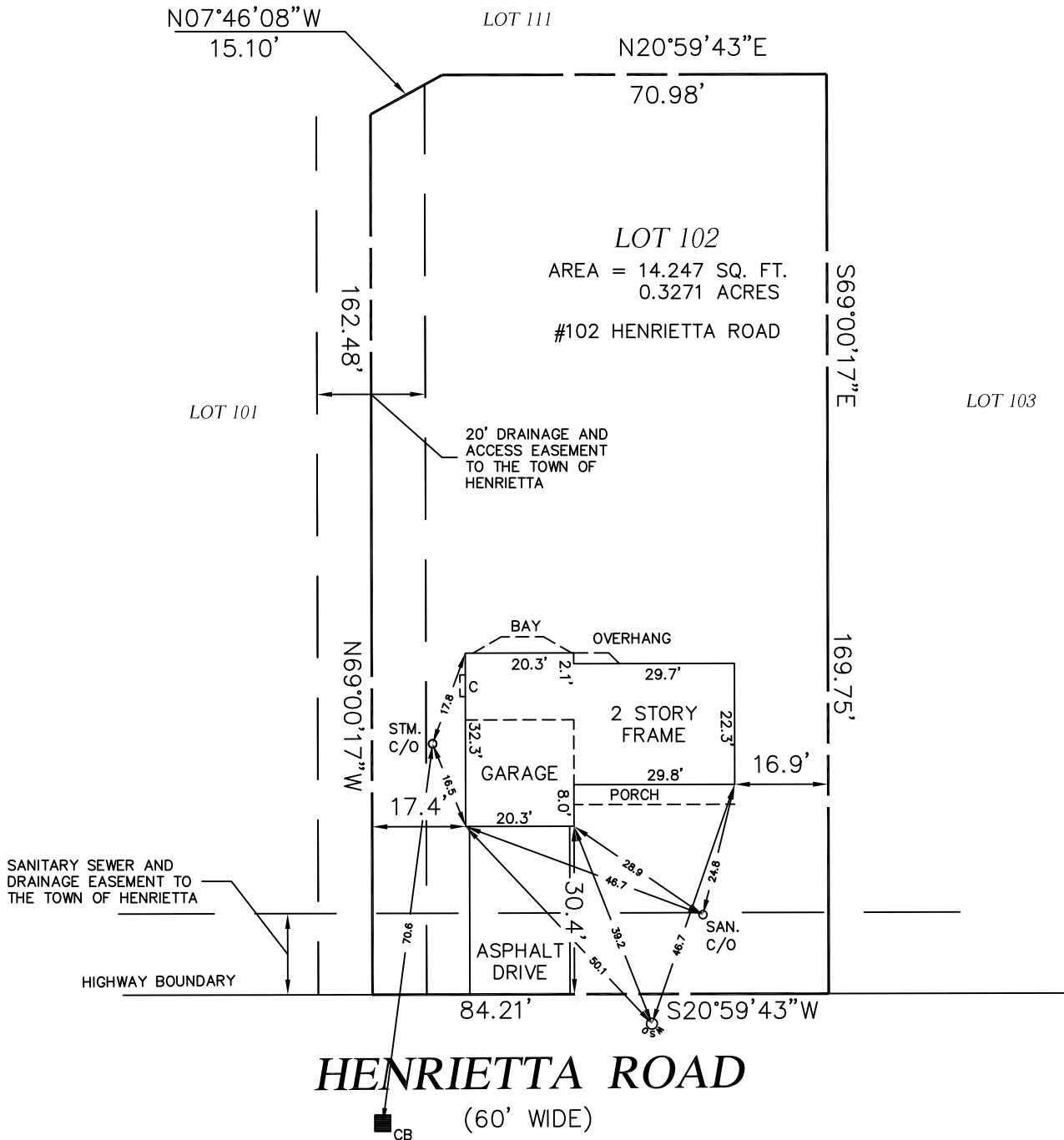
EXAMPLE NO. 3

 TOWN OF HENRIETTA	TYPICAL LATERAL TIES	
	SCALE: N.T.S.	RM-3
	DATE: 06/15/2013	

INSTRUMENT SURVEY MAP

LOT 102, HENRIETTA SUBDIVISION
SECTION ONE

TOWN OF HENRIETTA, MONROE COUNTY, N.Y.
SCALE 1" = 30'



REFERENCES:

1. "HENRIETTA SUBDIVISION – SECTION 1 – PLAT PLAN" FILED 6/29/2012 AS LIBER 100 OF MAPS PAGE 100

MINIMUM SETBACKS:

- FRONT: 30'
- SIDE: 8'
- REAR: 10'

CERTIFY TO:

1. BANK
2. THE TITLE COMPANY INSURING THE MORTGAGE
3. ATTORNEYS
4. RESIDENTS

WE, JOHN SMITH SURVEYING, P.C., HEREBY CERTIFY THAT THIS MAP WAS PREPARED FROM NOTES OF A FIELD SURVEY COMPLETED ON JUNE 19, 2013 AND FROM THE REFERENCES LISTED HEREON. SUBJECT TO ANY FACTS AN UPDATED ABSTRACT OF TITLE MAY REVEAL.

EXAMPLE NO. 4

JOHN SMITH, L.S. LIC. #111111