

SUBDIVISION AND LAND DEVELOPMENT

22 Attachment 4

Township of East Rockhill

Appendix D As-Built Drawing Requirements

1. General.
 - A. The following requirements listed within subsections (1) through (6) shall be considered minimum standards. Additional detail and information may be required by the Township depending on amount of detail needed.
 - B. All individual sheets of as-built plans shall be signed and sealed by the responsible licensed professional land surveyor.
 - C. Storm sewer, sanitary sewer and utility as-built information shall all be included on same plan and profile views. Independent plan sets for each shall not be permitted unless specifically requested by the Township.
 - D. Proof set of plans shall be submitted to the Township for review of completeness prior to preparation of final drawings. Proof plan shall be titled as such. Final drawings shall consist of two sets of reproducible mylars and two sets of opaque blue line prints of all plan sheets.
 - E. Final as-built plan set shall include a reproducible mylar sheet of the detention basin as-built.
 - F. All plan sheets shall include a standard Act 38 notification requirement for location of underground utilities prior to excavation.
2. Detention Basins.
 - A. As-built plan for detention basins shall be prepared on standard 24 inch x 36 inch plan sheets.
 - B. Plan shall be prepared at a scale of one inch = 50 feet or at design plan scale (if larger).
 - C. As-built plan shall include but not be limited to the following:
 - (1) Contours at one foot intervals.
 - (2) Spot elevations on the top of berm along interior and exterior edges at 25 feet intervals.

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- (3) Spot elevations on the top of berm and spillway crest at all four corners of the spillway and spot elevations centrally on interior and exterior edge of the spillway.
- (4) Stage/storage calculations must be included on the plan.
- (5) Size, type, length, inverts and slope of outfall pipe.
- (6) Top of structure elevation and all associated inverts/sizes of weirs and orifices on same.
- (7) Inverts of all storm sewer pipes discharging into the basin.
- (8) As-built information on constructed swales which discharge into the basin shall be furnished upon request, as required by the Township.

3. Storm Sewer.

A. Drafting Standards.

- (1) Plan size must be standard 24 inch x 36 inch plan sheets.
- (2) Plan shall be prepared utilizing standard plan and profile paper.
- (3) Horizontal scale must be one inch = 50 feet, and vertical scale must be one inch = feet or at design plan scales (if larger.)
- (4) Plan Views.
 - (a) Plan view shall delineate all right-of-way and easement boundaries and all property corners that intersect same.
 - (b) Centerline stationing shall be included along all streets.
 - (c) All roadways, curbing and sidewalk shall be shown and dimensioned.
 - (d) All lot numbers shall be labeled.

B. Storm sewer as-built information shall include but not be limited to the following:

- (1) Grate and manhole rim elevations.
- (2) Pipe sizes, types, lengths and slopes.
- (3) Inverts of all inlets, manholes and endwalls.

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- (4) Types of endwalls shall be identified (i.e., “FES,” “DW,” “D,” etc.
 - (5) Location of all sump pump/roof drain tie-in’s.
 - (6) Invert of storm sewer at sanitary sewer and utility crossings.
4. Sanitary Sewer.
- A. Drafting standards shall be the same as listed for storm sewer above.
 - B. Sanitary sewer as-built information shall include but not be limited to:
 - (1) Manhole rim elevations and inverts (including drop inverts).
 - (2) Pipes, sizes, lengths, slopes and types.
 - (3) Location and stationing of all laterals.
 - (4) Location and inverts of all lateral connections. (Inverts may be interpolated from as-built manhole invert information. Lateral location shall be determined from video inspection log.)
 - (5) Location and as-built inverts of all cleanouts located at the right-of-way boundary.
 - (6) Invert of sanitary sewer at storm sewer and utility crossings.
5. Water System.
- A. As-built information shall be prepared in accordance with prevailing standards and requirements of the applicable authority or water department.
 - B. At a minimum, Township as-built drawings shall include the following on plan and profile views: location, size and type of water mains, fire hydrants, water valve boxes, laterals, tees, bends, etc.
6. Miscellaneous.
- A. Location of all conduit crossings for underground utilities through easements and right-of-way must be shown.
 - B. Set of design plans for gas service installation shall be submitted to the Township with as-built plans. Design plans shall be used for general reference only and shall not be referred to for purpose of as-built information.

(Ord. 158, 12/20/1991, App. D)