

Section 805. Appendix E - As-Built Plan Requirements. (Ordinance 165, April 26, 1999, Section 24)

APPENDIX E

AS-BUILT PLAN REQUIREMENTS

The Developer's Engineer is required to submit As-Built Plans prior to the dedication and/or acceptance of any municipal improvements within the subdivision/land development.

The following is a list of items to be provided and/or shown on the Plans:

- (1) Plan Scale - no smaller than one inch (1") = fifty feet (50')
- (2) Information to be shown:
 - (a) Street cartway and width, including curb and/or shoulder, right-of-way with widths dimensioned and Horizontal and Vertical curve data, transitions for the curb and cartway, and street grades along centerline;
 - (b) Sidewalk including width and all handicap ramps;
 - (c) Driveway locations and widths;
 - (d) Curb with elevations on P.C. and P.T. at intersections;
 - (e) Street monuments with elevations;
 - (f) Public utility lines (gas, electric, cable, telephone); or PA ONE CALL NOTE;
 - (g) Storm sewer lines and all storm sewer facilities with complete information;
 - (h) Public water lines and services appurtenances such as valves, hydrants, services;
 - (i) Public sanitary sewer lines and all facilities; including lateral locations, lengths and depths at end of lateral;
 - (j) Size (volume) by contours of detention basins;
 - (k) Type and elevations of basin outlet;
 - (l) Width and elevation of the basin emergency spillway;
 - (m) Width and elevation of the top of the basin berm;
 - (n) Street lights and signs; and
 - (o) Street address for each lot.
- (3) Reproducible mylars are to be furnished after the Plans have been reviewed and approved.

NOTE:

- (1) The Township and/or Engineer may require additional information if deemed necessary.
- (2) All Municipal improvements which are required by the Subdivision Ordinance shall be provided on the As-Built Plans.

Section 806. Appendix F - Well Abandonment Procedure. (Ordinance 165, April 26, 1999, Section 25)

APPENDIX F

WELL ABANDONMENT PROCEDURE

The sealing of abandoned water wells is covered under Act 610, Water Well Drillers Licensing Act. This regulation makes it the legal responsibility of the well owner to seal effectively any abandoned water well on their property.

Improperly abandoned wells are a threat to public health. Wells should be properly abandoned to eliminate the physical hazard, prevent groundwater contamination, maintain yield and hydrostatic head and to prevent exchange of water between various zones.

Each abandonment should be considered individually. Questions on abandonment in multi aquifer systems, limestone aquifers, screened or gravel packed wells or artesian aquifers should be referred to the regional hydrogeologist. Most of the situations that we will encounter concern wells in unconfined aquifers. The following are general guidelines for well abandonment.

Casing should be pulled or perforated unless the casing in place has been properly grouted.

Fill must be free of organic materials and naturally occurring clays. Disinfected fill material must be used. A concentration of at least one hundred (100) PPM available chlorine (per two (2) times well volume) must be achieved prior to backfilling. Sodium hypochlorite or calcium hypochlorite should be used to disinfect.

A neat cement, grout or concrete plug must be provided from near the ground surface to ten feet (10') below the top of the uncreviced bedrock or to below the casing depth, whichever is deeper. Another option is to fill the entire well with neat cement grout. All grout, cement or concrete must be placed in one continuous motion from the bottom up. It must not be dumped in from the top.

The location of the abandoned well should be fixed by "tying in" with a permanent reference point (ex: bench mark).

The abandonment of a well can become complex. When specific information about a well is available from drillers logs or physical logging methods some variation from the guidelines can be allowed. In the absence of that data the guidelines should be followed.