PUBLIC NOTICE

PERMIT APPLICATION: **NRS 07.092**

APPLICANT: Stonebrook Development, LLC
Richard Brenner, agency
840 Southerland Road
Dickson, Tenn. 37055
615-533-1125

LOCATION: Unnamed tributaries to Jones Creek, Stonebrook subdivision
Dickson County 36.0846 °N, -87.3685 °W

WATERSHED DESCRIPTION: The main unnamed tributary to Jones Creek is located in the Lower Duck watershed (HUC 06040003) and is not currently assessed for its support of its designated uses. The designated uses for this stream are fish and aquatic life, irrigation, livestock watering and wildlife, and recreation. The receiving stream, Jones Creek, is listed as impaired by nutrients and sediment, with the source of impairment listed as land development and pasture grazing. The unnamed tributary has flow originating from Luther Lake dam overflows and has intermittent flow with sinking sections. The average channel width is 5 –7 feet; with a 3 – 5 foot wide flow width. The riparian zone is a mix of cedars, oaks and fescue with sections showing the impact of cattle grazing. There is a second stream channel depicted on the topographic map, but it is a grass-lined swale on the property. The surrounding land use is primarily residential and agricultural. Color photos of this stream are available on the Internet version of this notice at http://www.state.tn.us/environment/wpc/ppo/arap

PROJECT DESCRIPTION: The applicant proposes two road crossings and three sewer line crossings of the streams. The project site is part of a 65-acre residential development and these alterations are associated with Phase 1 of the development.
There are three proposed crossings of gravity sewer lines, two 8” and one 12” ductile iron pipe (DIP).

The road crossing of the main tributary will be two 78” culverts, with one culvert placed slightly higher to transport flood flows. The culvert length will be 50 linear feet and the outlet will be stabilized with gabion baskets. On the second smaller channel, there will be 100 linear feet of two 36” diameter culverts.

In accordance with the Tennessee Antidegradation Statement (Rule 1200-4-3-.06), the division has determined that the proposed activity will not result in degradation to water quality.

USGS TOPOGRAPHIC QUADRANGLE: Burns 48 SE

PERMIT COORDINATOR: Juliana W. Kyzar

No decision has been made whether to issue or deny this permit. The purpose of this notice is to inform interested parties of this permit application and to ask for comments and information necessary to determine possible impacts to water quality. Persons wishing to comment on the proposal are invited to submit written comments to the department. Written comments must be received within **thirty days of the date that this notice is posted**. Comments will become part of the record and will be considered in the final decision. The applicant’s name and permit number should be referenced.

Interested persons may also request in writing that the department hold a public hearing on this application. The request must be filed within the comment period, indicate the interest of the person requesting it, the reasons that the hearing is warranted, and the water quality issues being

raised. When there is sufficient public interest in water quality issues, the department will hold a public hearing.

The permit application, supporting documentation including detailed plans and maps, and related comments are available at the department's address for review and/or copying. The department's address is:

Tennessee Department of Environment & Conservation
Division of Water Pollution Control, Natural Resources Section
7th Floor L & C Annex
401 Church Street
Nashville, TN 37243

In deciding whether to issue or deny a permit, the department will consider all comments on record and the requirements of applicable federal and state laws.

Photograph 1: Typical stream section facing south. Provided by Southern Consulting LLC

Photograph 2: Typical stream section facing east, in sinking section. Provided by Southern Consulting, LLC.

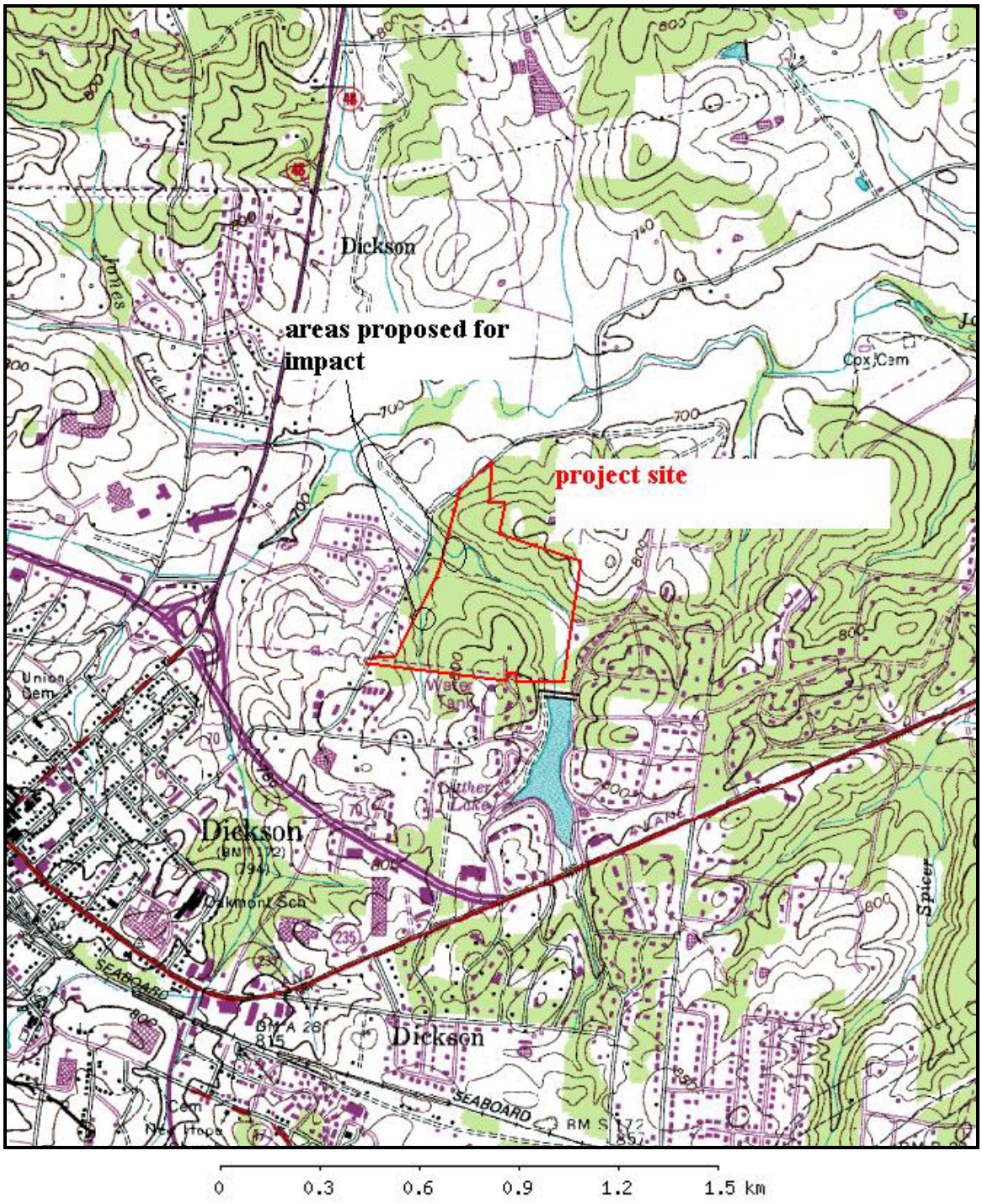
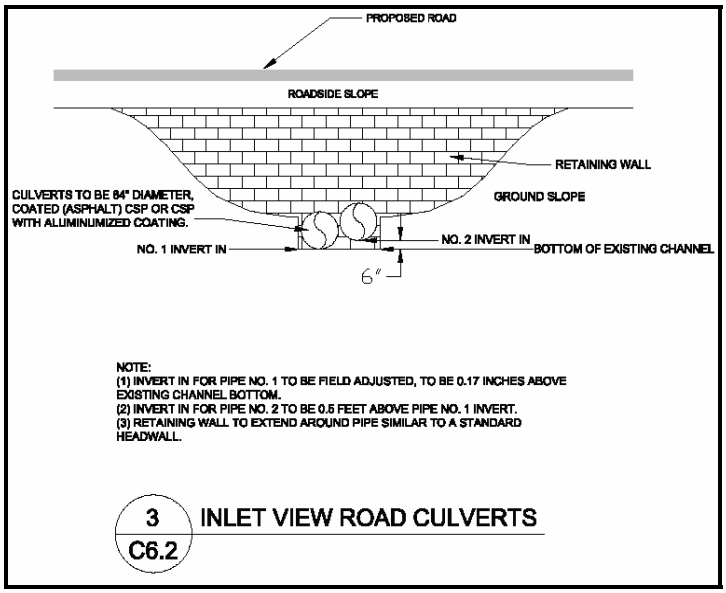
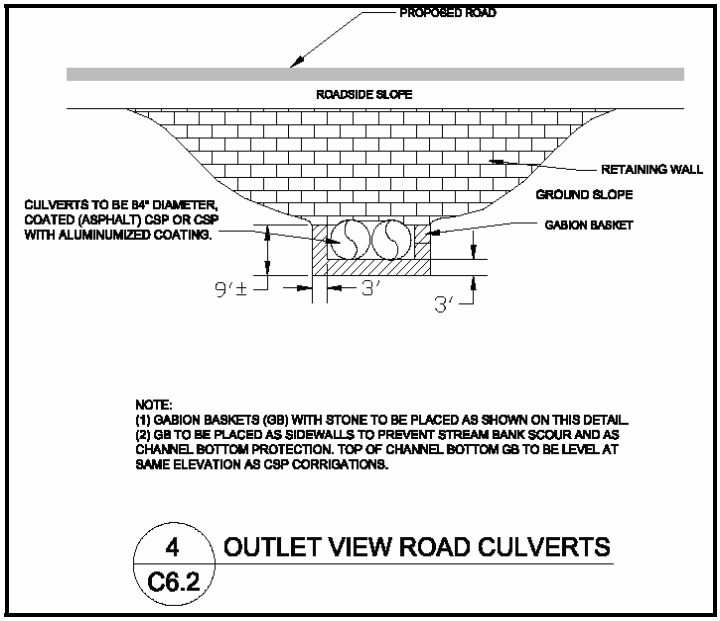


Figure 1: USGS topographic map showing project area and impact area

Figure 2: Site plan with sewer crossings, road crossings and photo locations noted on sheet.





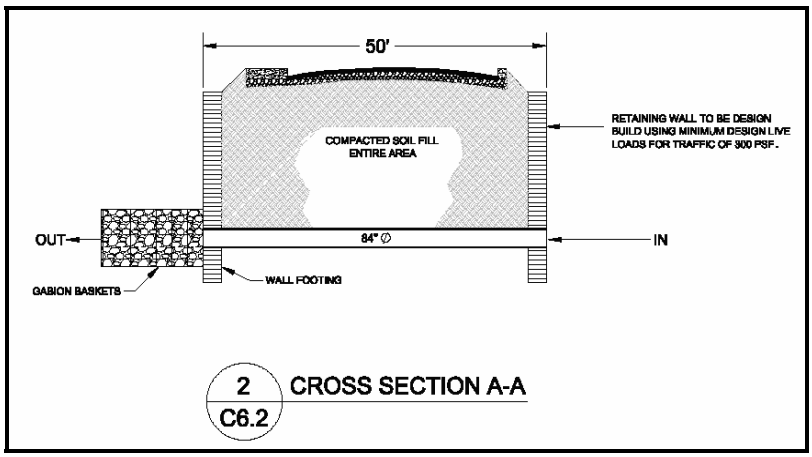


Figure 3 – 5: Road crossing detail of main tributary, culverts reduced to 78”

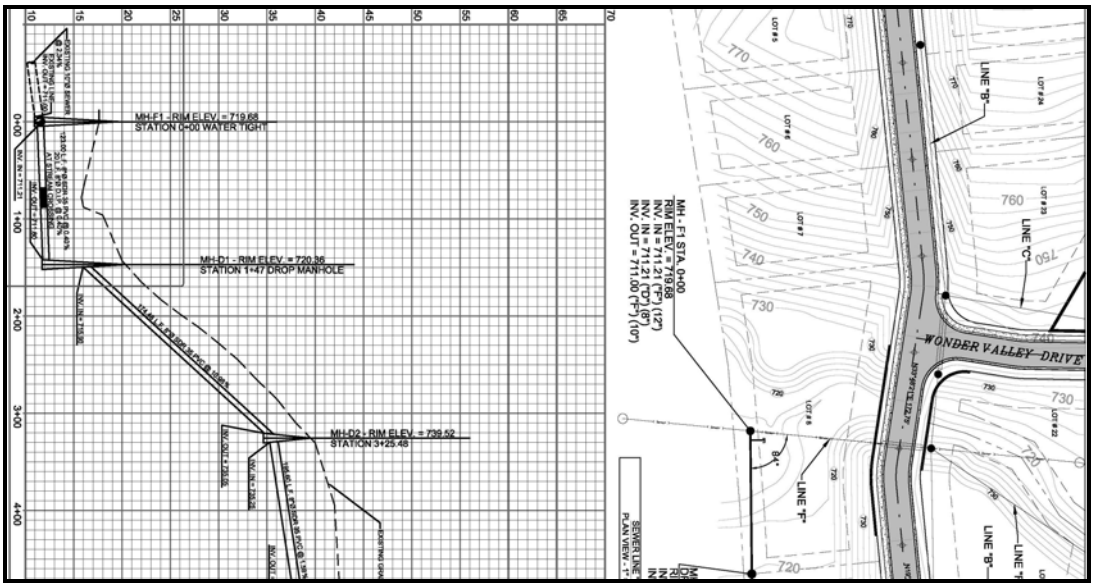


Figure 6: sewer line D with and 8" DIP

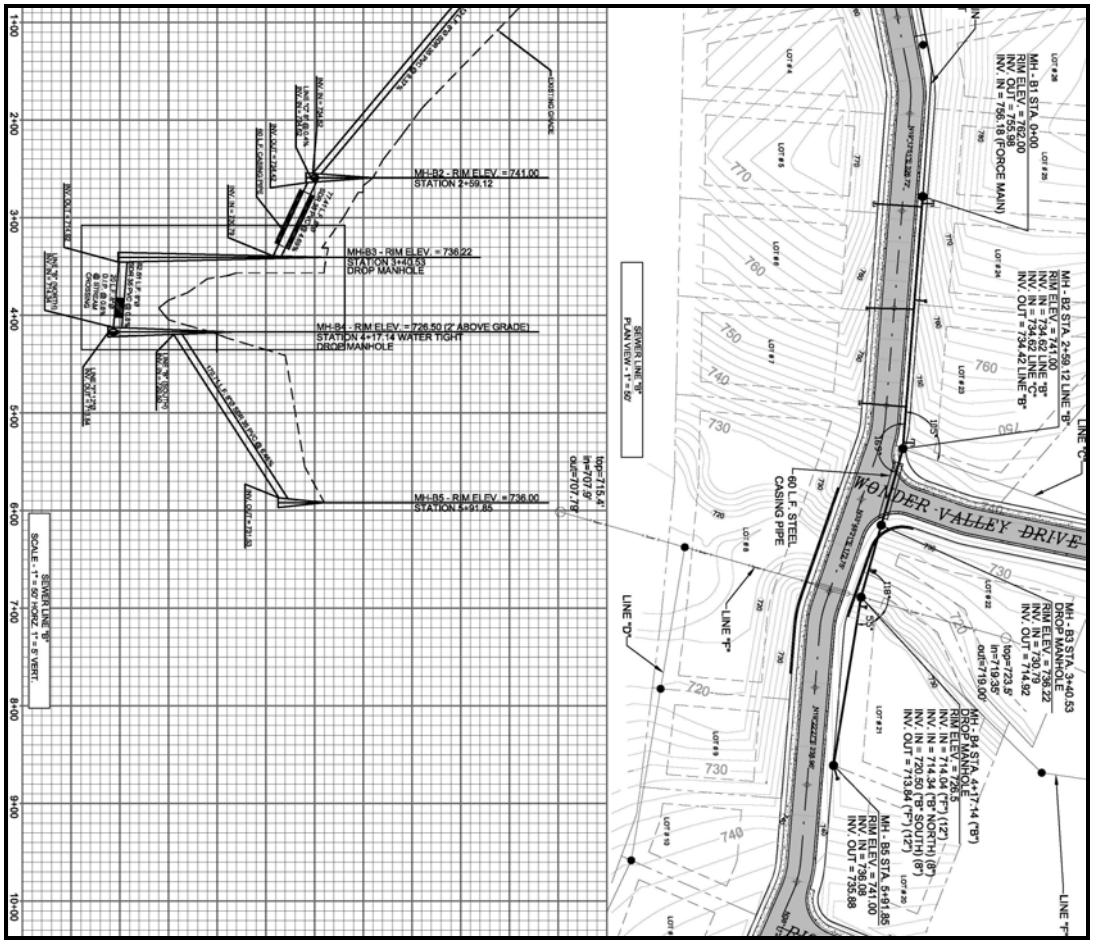


Figure 7: Sewerline B with 8" DIP

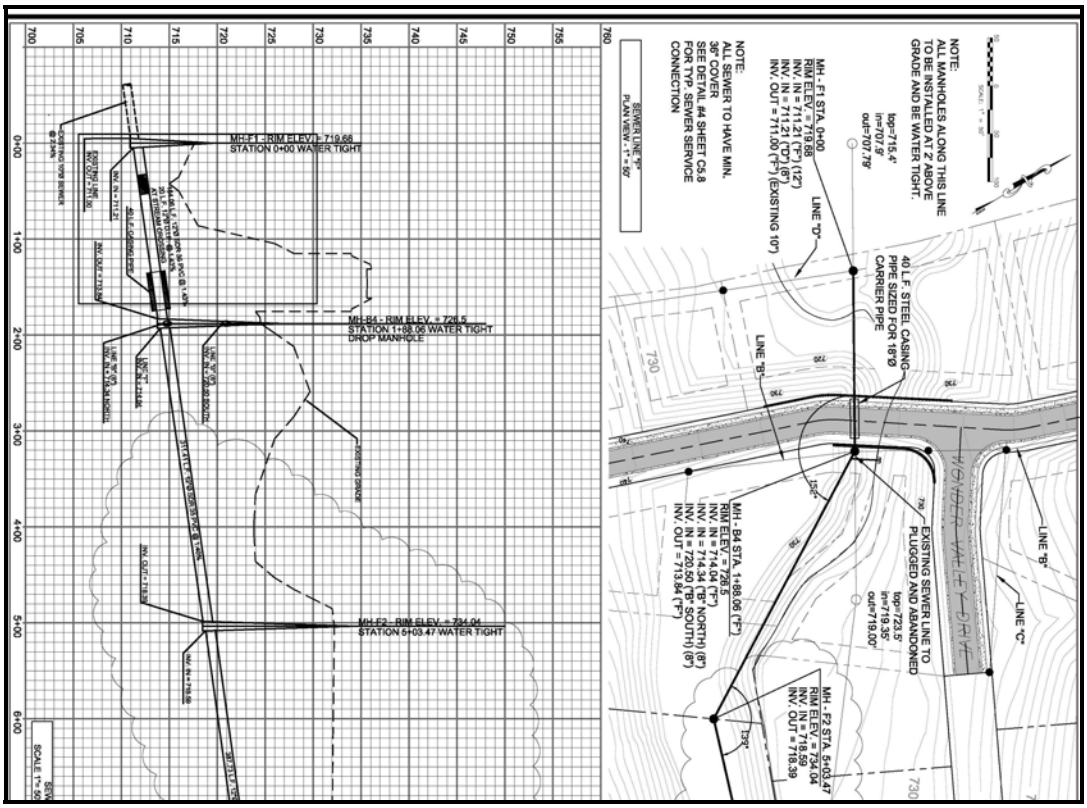


Figure 8: Sewerline F with 12" DIP

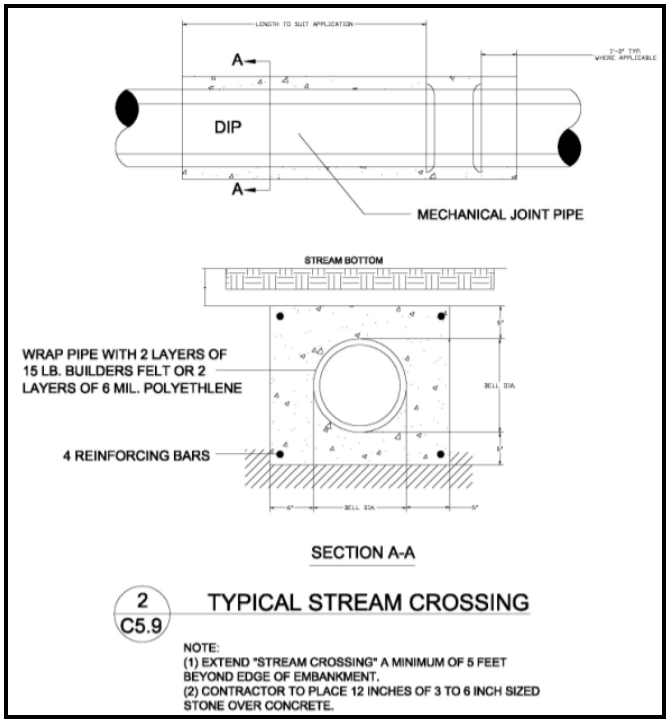


Figure 9: Stream crossing details