

PUBLIC NOTICE

PERMIT APPLICATION: NRS 07.140

APPLICANT: Park Trust Development, LLC
640 Broadmor Boulevard, Suite 100
Murfreesboro, Tenn. 37129
615-896-4045

LOCATION: Unnamed tributaries to Station Camp Creek, Williwbrooke Subdivision, Saundersville Road, Hendersonville, Sumner County 36.33811 °N, -86.55609°W

WATERSHED DESCRIPTION: The unnamed tributaries and wetlands are in the Lower Cumberland-Old Hickory Lake watershed (HUC 05130201) and none of the streams have been assessed by the division for their support of classified uses. The classified uses for the streams are fish and aquatic life, recreation, irrigation, and livestock watering and wildlife. On the project site there are four jurisdictional streams, totaling 5,184 linear feet of channel. In addition there are two ponds and 0.42 acres of wetlands at the headwaters of pond 1. The streams have intermittent flow, clay and gravel substrate, and well-developed riparian zones of hackberry, juniper, and osage orange. The applicant provided benthic and habitat data on the four streams that is currently being evaluated as part of the Tier evaluation process.

Photos of the stream proposed for alteration can be viewed on the Internet version of this notice at <http://www.state.tn.us/environment/wpc/ppo/arap>.

PROJECT DESCRIPTION: The applicant proposes to encapsulate 2105 total linear feet of stream for Willowbrooke, a mixed-use (residential, commercial and industrial) development. The proposed alterations are associated primarily with the construction of a NHC facility.

The applicant asserts the stream impact is unavoidable due to topographic and logistic constraints in locating this facility. The facility must have emergency vehicle access and gradual grading for handicap accessibility.

There is a proposed encapsulation of 1787 stream C and 229 stream D for the building pad and parking, and 89 feet of stream A for a road crossing/hydrologic detention structure.

The hydrologic detention structure will also be used as a road crossing in future phases of development.

The preliminary designs for the future phases of the development currently have three road crossings proposed (two on stream B and one on stream C). The applicant is not seeking to permit these at this time due to the early stages of these plans, but the division will consider this existing proposed impact when considering any future applications for this site.

The applicant's proposed mitigation for the 1,787 feet of culvert on stream C, and 229 of culvert on stream D, and 89 feet of road crossing/detention culvert on stream A is a mix of on-site restoration, enhancement, wetland creation, and preservation.

More details of the on-site mitigation are as follows:

Restoration for 971 feet of stream A. Stream A currently has a habitat score of 56. The channel, currently braided or non-existent, will be reconstructed with a gradient of 1%, sinuosity of 1.5:1 and have in-stream habitat installed. The riparian terrace area will be planted with green ash, black willow and willow oak at staggered 30' centers and stabilizes with switch grass and big bluestem. Downstream of the existing impoundment, there will be a road crossing that will be designed as a hydrologic detention structure. The overbank area of the stream channel will be created 2.0-acre wetland basin planted with mix of FACW or OBL hardwood species. The applicant proposes this is a 1.5:1 ratio (647 feet of compensatory mitigation credit).

Enhancement of 1,551 feet of stream B. Stream B currently has a habitat score of 65. The existing riparian zone will be enhanced with additional plantings of trees on 30' centers, random plantings of understory shrubs (black alder, sweetshrub, oakleaf hydrangea), and seeding with switch grass and big bluestem. Instream habitat structures will be added. The applicant proposes this is a 4:1 ration (387 feet of compensatory mitigation credit).

Enhancement of 646 feet of stream C. Stream C currently has a habitat score of 68. The same enhancement is proposed as on stream B. The applicant proposes this is a 4:1 ratio (161 feet of compensatory mitigation credit).

On site stream and wetland mitigation sites will be monitored for five years with reports submitted to the division.

The remainder of the proposed mitigation is a proposed purchase of 973 credits in Tennessee Wildlife Federation's In-Lieu Fee Program.

In accordance with the Tennessee Antidegradation Statement (Rule 1200-4-3-.06), the division has determined that the proposed activity will result in degradation to water quality. The tier assessment of stream C and D is underway.

USGS TOPOGRAPHIC QUADRANGLE: Hendersonville 310 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.

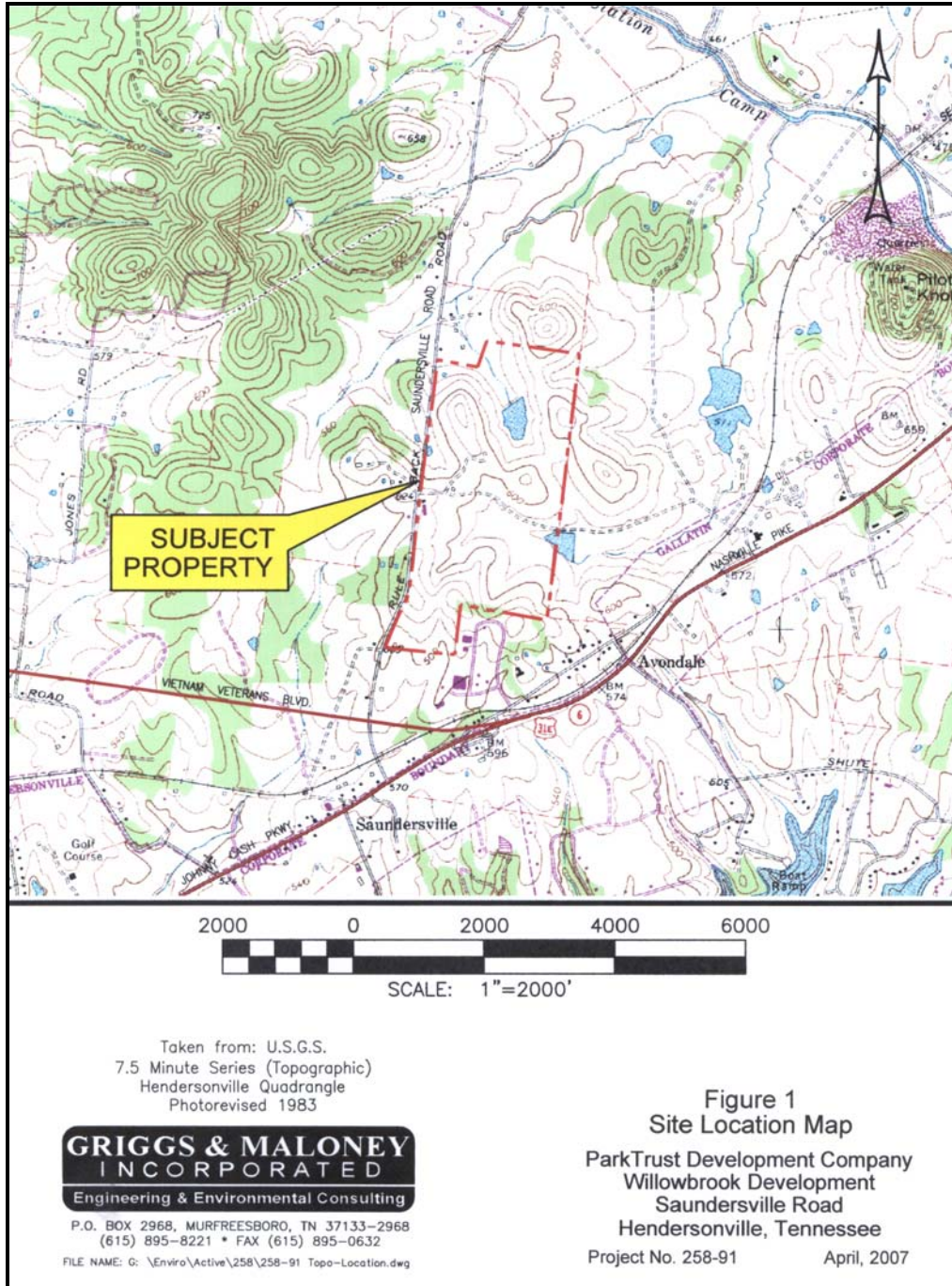


Figure 1: topographic map with project area indicated



Photo 1: Stream C in spring 2007. photo by Griggs and Maloney



Photo 2: Stream C in late May 2007. photo by JWK

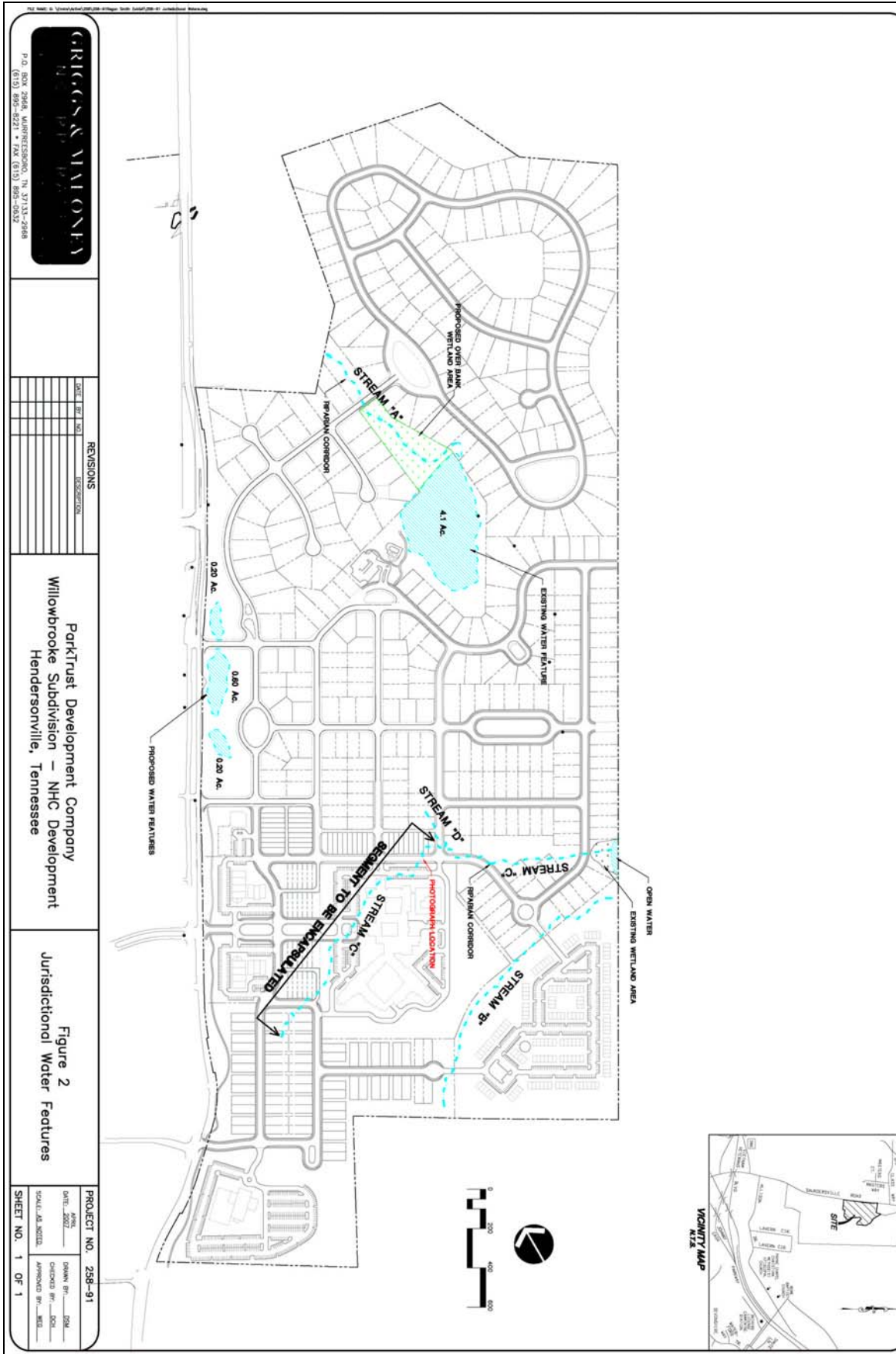


Figure 2: Site payout with existing water features.

