



PUBLIC NOTICE

File Number: NRS 10.105

Notice Date:
July 28, 2010

Expiration Date:
August 27, 2010

Pursuant to Chapter 1200-4-7 of the Department's rules, the proposed activity described below has been submitted for approval under an Aquatic Resource Alteration Permit (this also includes §401 Water Quality Certifications). This notice is intended to inform interested parties of this permit application and to ask for comments and information necessary to determine possible impacts to water quality. No decision has been made whether to issue or deny this application.

APPLICANT: Tennessee Department of Transportation
Attn: Khalid Ahmed
Suite 900, James K. Polk Building
505 Deaderick Street
Nashville, TN 37243
615-253-0021

LOCATION: The proposed alterations are located along the existing SR-111 alignment from south of SR-8 to south of SR-284. The project begins in Sequatchie County and extends into Van Buren County.

PROJECT DESCRIPTION / PURPOSE: According to the applicant, "the existing road facility is deficient in surface width, roadway alignments, passing and stopping sight distances, capacity and operation speeds." In order to correct the deficiencies the applicant proposes to improve the roadway to four lane divided highway and a five lane undivided highway in certain sections. The following stream and wetlands alterations are proposed in order to construct the road improvements.

Site # 1 (Sta. 641+50.00 to Sta. 646+00.00)

Unnamed tributary to Gladly Fork (STR-1)

Existing: 125 ft. of 42 in. RCP
33 ft. of open channel
Proposed: 125 ft. of existing 42 in. RCP to remain
13 ft. of 42 in. RCP culvert extension at the inlet
20 ft. of U type concrete end wall at the inlet

Gladly Fork (STR-2)

Existing: 270.5 ft. of 10 ft. x 8 ft. concrete box culvert.
43 ft. of open channel
Proposed: 270.5 ft. of existing 10 ft. x 8 ft. concrete box culvert to remain
30.5 ft. of 10 ft. x 8 ft. concrete box culvert extension at the inlet
12.5 ft. open channel between the wing walls at the inlet
Mitigation: \$6,200.00 to the Tennessee Stream Mitigation Program for the 31 ft. of culvert extension

Site # 2 (Sta. 658+47.79)**Unnamed tributary to Glady Fork (STR-4)**

Existing: 120 ft. of 18 in. RCP
 45 ft. of open channel
 Proposed: 120 ft. of existing 18 in. RCP to remain
 21 ft. of 18 in. RCP culvert extension at the outlet
 10 ft. of U type concrete end wall at the outlet
 14 ft. of rip-rap at the outlet

Site # 3 (Sta. 674+40.00)**Unnamed tributary to Rocky River (STR-5)**

Existing: 70 ft. of open channel
 Proposed: 70 ft. of rock fill in the existing channel
 Mitigation: \$14,000.00 to the Tennessee Stream Mitigation Program for the 70 ft. of stream loss

Wetland (WTL-4)

Proposed: area of permanent wetland impact = 0.007 acre
 area of temporary wetland impact = 0.030 acre

Site # 4 (Sta. 693+42.79)**Unnamed tributary to Rocky River (STR-6)**

Existing: 68 ft. of 18 in. RCP
 153 ft. of open channel.
 Proposed: remove the existing 18 in. RCP
 95.5 ft. of 30 in. RCP culvert.
 20 ft. of U type concrete end wall at the inlet
 20 ft. of U type concrete end wall at the outlet
 24 ft of rip-rap at the outlet
 56.5 ft. of relocated channel (trees will be planted)
 Mitigation: \$1,000.00 to the Tennessee Stream Mitigation Program for the 5 ft. of stream loss

Wetland (WTL-5)

Proposed: area of permanent wetland impact = 0.074 acre
 area of temporary wetland impact = 0.060 acre

Site # 5 (Sta. 704+00 to Sta. 715+50.00)**Unnamed tributary to Rocky River (STR-7) and a Seep (Sep-1)**

Existing: seep and 25 ft. of associated channel
 Proposed: rock fill in SEP-1 area and the existing 25 ft. channel
 Mitigation: \$5,000.00 to the Tennessee Stream Mitigation Program for the 25 ft. of stream loss

Unnamed tributary to Rocky River (STR-9)

Existing: 153 ft. of 72 in. RCP
 243 ft. of open channel
 Proposed: 153 ft. of existing 72 in. RCP to remain

44 ft. of 72 in. RCP extension at the outlet
 18 ft. of impact basin at the outlet.
 168 ft. of relocated open channel (trees planted along banks)
 Mitigation: \$45,600.00 to the Tennessee Stream Mitigation Program for the 13
 ft. of stream loss and 215 ft of culvert

Unnamed tributary to Rocky River (STR-10)

Existing: 298 ft. of open channel
 Proposed: rock fill in the existing 298 ft. channel
 Mitigation: \$59,600.00 to the Tennessee Stream Mitigation Program for the
 298 ft. of stream loss

Wetland (WTL-9)

Proposed: area of permanent wetland impact = 0.008 acre
 area of temporary wetland impact = 0.039 acre
 Mitigation: debit, at a 4:1 ratio, 0.032 acre from available wetland credits at
 the Coffee County Wetland Mitigation Bank

Site # 6 (Sta. 737+59.84)

Unnamed tributary to Rocky River (STR-12)

Existing: 226 ft. of 36 in. RCP
 242 ft. of open channel
 Proposed: 226 ft. of existing 36 in. RCP to remain
 75 ft. of 36 in. RCP culvert extension at the outlet
 16 ft. of U type concrete end wall at the outlet
 15.5 ft. of rip-rap at the outlet
 146 ft. of relocated open channel with rip-rap in stream bed and
 trees planted along banks
 Mitigation: \$18,200.00 to the TSMP for the 91 ft. of culvert extension
 \$24,200.00 to the TSMP for the 146 ft. of riprap lined channel

Site # 7 (Sta. 770+00.00)

Wetland (WTL-11)

Proposed: area of permanent wetland impact = 0.01 acre
 area of temporary wetland impact = 0.00 acre
 Mitigation: debit, at a 4:1 ratio, 0.04 acre from available wetland credits at the
 Coffee County Wetland Mitigation Bank

Site # 8 (Sta. 786+01.97)

Seep (SEP-6) and Unnamed tributary to Rocky River (STR-16)

Existing: 116 ft. of 36 in. RCP.
 129 ft. of open channel.
 Proposed: 116 ft. of existing 36 in. RCP remains
 92 ft. of 36 in. RCP culvert extension at the outlet including a
 junction box
 16 ft. of U type concrete end wall at the outlet
 21 ft. of rip-rap at the outlet
 rock fill will be used over SEP-6 to allow flow to enter STR-16

Mitigation: \$44,800.00 to the TSMP for the culvert extension, endwall and existing culvert

Site # 9 (Sta. Sta. 793+50.00 to Sta. 801+00.00)

Wetland (WTL-18)

Proposed: area of permanent wetland impact = 0.019 acre

Wetland (WTL-19)

Proposed: area of permanent wetland impact = 0.028 acre

Mitigation: debit, at a 4:1 ratio, 0.11 acre from available wetland credits at the Coffee County Wetland Mitigation Bank

Spring (SPG-4)

Proposed: road cut through spring

Site # 10 (Sta. 806+25.00)

Wetland (WTL-20)

Proposed: area of permanent wetland impact = 0.019 acre

Mitigation: debit, at a 4:1 ratio, 0.076 acre from available wetland credits at the Coffee County Wetland Mitigation Bank

Site # 11 (Sta. 833+50.00 to Sta. 841+00.00)

Green Sea Branch (STR-19)

Existing: 204 ft. of 12 ft. x 12 ft. box culvert
87 ft. of open channel

Proposed: 204 ft. of existing 12 ft. x 12 ft. box culvert remains.
69.5 ft. of 12 ft. x 12 ft. culvert extension at the outlet
17.5 ft. of open channel at the outlet between the wing walls

Mitigation: \$13,900.00 to TSMP for the culvert extension

Wetland (WTL-22)

Proposed: area of permanent wetland impact = 0.069 acre

Mitigation: debit, at a 4:1 ratio, 0.276 acre from available wetland credits at the Coffee County Wetland Mitigation Bank

Wetland (WTL-23)

Proposed: area of permanent wetland impact = 0.033 acre
area of temporary wetland impact = 0.039 acre

Mitigation: debit, at a 4:1 ratio, 0.132 acre from available wetland credits at the Coffee County Wetland Mitigation Bank

Unnamed tributary to Green Sea Branch (STR-20)

Existing: 284 ft. of 10 ft. x 7.5 ft. box culvert
83 ft. of open channel

Proposed: 284 ft. of existing 10 ft. x 7.5 ft. box culvert remains
65.5 ft. of 10 ft. x 7.5 ft. culvert extension at the outlet
17.5 ft. of open channel at the outlet between the wing walls

Mitigation: \$13,100.00 to TSMP for the culvert extension

Unnamed tributary to Green Sea Branch (STR-20A)

Existing: 76.5 ft. channel that connects WTL-22 to WTL-23

Proposed: rock fill in channel

Mitigation: \$15,300.00 to TSMP for the rock fill in channel

Site # 12 (Sta. 872+90.37)

Unnamed tributary to Samples Fork (STR-22)

Existing: 128 ft. of 36 in. RCP
128 ft. of open channel

Proposed: remove 36 ft. of existing 36 in. RCP
92 ft. of existing 36 in. RCP remains.
126 ft. of 36 in. RCP extension including 8 ft catch basin.
11.5 ft. of U type concrete end wall at the outlet.
26.5 ft. of rip-rap at the outlet.

Mitigation: \$45,900.00 to TSMP for the extension, remaining culvert and endwalls

Wetland (WTL-24B)

Proposed: area of permanent wetland impact = 0.039 ac.
Mitigation: debit, at a 4:1 ratio, 0.156 acre from available wetland credits at the Coffee County Wetland Mitigation Bank

Site # 12A (Sta. 866+50.00)

Wetland (WTL-24A)

Proposed: area of permanent wetland impact = 0.178 ac.
Mitigation: debit, at a 4:1 ratio, 0.712 acre from available wetland credits at the Coffee County Wetland Mitigation Bank

Site # 13 (Sta. 888+25.42)

Unnamed tributary to Samples Fork (STR-23)

Existing: 127.5 ft. of 36 in. RCP
109 ft. of open channel

Proposed: 127.5 ft. of existing 36 in. RCP remains
90 ft. of 36 in. RCP culvert extension at the outlet
10 ft. of open channel at the outlet
9 ft. of impact basin at the outlet

Mitigation: \$45,300.00 to TSMP for the extension, remaining culvert and endwalls

Wetland (WTL-26)

Proposed: area of permanent wetland impact = 0.090 acre
area of temporary wetland impact = 0.022 acre
Mitigation: debit, at a 4:1 ratio, 0.36 acre from available wetland credits at the Coffee County Wetland Mitigation Bank

Site # 14 (Sta. 903+00)

Wetland (WTL-28)

Proposed: area of permanent wetland impact = 0.039 acre
area of temporary wetland impact = 0.00 acre
Mitigation: debit, at a 4:1 ratio, 0.156 acre from available wetland credits at the Coffee County Wetland Mitigation Bank

Site # 15 (Sta. 905+50± to Sta. 915+00±)**Wetland (WTL-29)**

Proposed: area of permanent wetland impact = 0.730 acre
 area of temporary wetland impact = 0.071 acre
 Mitigation: debit, at a 4:1 ratio, 2.92 acres from available wetland credits at
 the Coffee County Wetland Mitigation Bank

Unnamed tributary to Samples Fork (STR-24)

Existing: 209 ft. of 54 in. RCP
 233 ft. of open channel
 Proposed: 209 ft. of existing 54 in. RCP remains
 129.5 ft. of 54 in. RCP culvert extension at the outlet
 16 ft. of impact basin at the outlet
 87.5 ft. of relocated open channel at the outlet with trees planted
 Mitigation: \$29,100.00 to TSMP for the culvert extension

Seep (SEP-8)

Proposed: rock fill so seep can drain to STR-24

Site # 16 (Sta. 919+00.00 to Sta. 926+50.00)**Unnamed tributary to Samples Fork (STR-25)**

Existing: 224.5 ft. of 36 in RCP.
 100 ft. of open channel
 Proposed: 224.5 ft. of existing 36 in RCP remains
 89.5 ft. of 36 in RCP extension at the outlet
 10.5 ft. of impact basin at the outlet
 Mitigation: \$20,000.00 to TSMP for the culvert extension

Wetland (WTL-30)

Proposed: area of permanent wetland impact = 0.042 acre
 Mitigation: debit, at a 4:1 ratio, 0.168 acre from available wetland credits at
 the Coffee County Wetland Mitigation Bank

Site # 17 (Sta. 945+58.41)**Samples Fork (STR-28)**

Existing: 213 ft. of 12 ft. x 10 ft. box culvert
 94 ft. of open channel
 Proposed: 213 ft. of existing 12 ft. x 10 ft. box culvert. remains
 77 ft. of 12 ft. x 10 ft. box culvert extension at the outlet
 17 ft. of open channel between the wing walls
 Mitigation: \$15,400 to TSMP for the culvert extension

Site # 18 (Sta. 961+00.00 to Sta. 963+60.00)**Wetland (WTL-34)**

Proposed: area of permanent wetland impact = 0.221 acre
 area of temporary wetland impact = 0.021 acre
 Mitigation: debit, at a 4:1 ratio, 0.884 acre from available wetland credits at
 the Coffee County Wetland Mitigation Bank

Seep (SEEP-11) and Unnamed tributary to Samples Fork (STR-32)

Existing: 81 ft. of open channel
 Proposed: rock fill in the existing channel
 rock fill over SEEP-11
 Mitigation: \$16,200.00 to TSMP for the rock fill

Site # 19 (Sta. 970+86.60)

Unnamed tributary to Samples Fork (STR-29)

Existing: 179.5 ft. of 66 in RCP
 99 ft. of open channel
 Proposed: 179.5 ft. of existing 66 in. RCP remains.
 77 ft. of 66 in. RCP extension at the outlet.
 22 ft. of impact basin at the outlet
 Mitigation: \$55,700.00 to TSMP for the extension and existing culvert

Wetland (WTL-38)

Proposed: area of permanent wetland impact = 0.09 acre
 area of temporary wetland impact = 0.05 acre
 Mitigation: debit, at a 4:1 ratio, 0.36 acre from available wetland credits at
 the Coffee County Wetland Mitigation Bank

Site # 20 (Sta. 982+00.00 to Sta. 983+69.14)

Unnamed tributary to Samples Fork (STR-30)

Existing: 152 ft. of 66 in RCP
 230 ft. of open channel
 Proposed: 152 ft. of existing 66 in. RCP remains
 103 ft. of 66 in. RCP extension at the outlet
 17.5 ft. of impact basin at the outlet
 110.00 ft. of open channel with trees planted along banks
 Mitigation: \$54,500.00 to TSMP for the existing culvert and extension

Wetland (WTL-37)

Proposed: area of permanent wetland impact = 0.03 acre
 Mitigation: debit, at a 4:1 ratio, 0.12 acre from available wetland credits at
 the Coffee County Wetland Mitigation Bank

DEGRADATION: In accordance with the Tennessee Antidegradation Statement (Rule 1200-4-3-.06), the division has determined that the proposed activities on streams 9, 10, 12, 16, 19, 20, 24, 25, 28, 22, 23, 29 and 30 would result in degradation to water quality.

WATERSHED / WATERBODY DESCRIPTION: A major portion of the proposed alterations are located within the Caney Fork River watershed (HUC 06020004). The Caney Fork River watershed drains approximately 1,800 square miles and empties into the Cumberland River. More information on the Caney Fork River watershed can be found on the department's website at <http://www.tennessee.gov/environment/watersheds/two/caneyfork/>. A small portion of the proposed alterations are located in the Sequatchie River watershed (HUC 05130108). The Sequatchie River watershed drains approximately 600 square miles and empties into the Sequatchie River. More information on the Sequatchie River watershed can be found on the department's website at <http://www.tennessee.gov/environment/watersheds/five/sequatchie/>.

The proposed road widening would impact a total of 21 streams and 18 wetlands. The only stream classified as Exceptional Tennessee Waters is Glady Fork. Glady Fork is also assessed as not supporting one or more of its classified uses. Those uses are recreation, irrigation, livestock watering and wildlife, and fish and aquatic life. Streams 6, 9, 19 and 20 are also assessed as not supporting their classified uses. They have the same uses as Glady Fork.

PERMIT COORDINATOR: Trent Thomas

FACTORS CONSIDERED: In deciding whether to issue or deny a permit, the department will consider all comments of record and the requirements of applicable federal and state laws. In making this decision, a determination will be made regarding the lost value of the resource compared to the value of any proposed mitigation. The department shall consider practicable alternatives to the alteration. The department shall also consider loss of waters or habitat, diminishment in biological diversity, cumulative or secondary impacts to the water resource, and adverse impact to unique, high quality, or impaired waters.

COMMENTING: 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. Send all written comments to the department's address listed below and to the attention of the permit coordinator.

PUBLIC HEARING: Interested persons may 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. Send all public hearing request to the department's address listed below and to the attention of the permit coordinator.

APPEAL: A petition for permit appeal may be filed, pursuant to T.C.A. §69-3-105 by the permit applicant or by any aggrieved person who participated in the public comment period whose appeal is based upon any of the issues that were provided to the commissioner in writing during the public comment period or in testimony at a formal public hearing on the permit application. Any petition for permit appeal shall be filed with the board within thirty (30) days after public notice of the commissioner's decision to issue or deny the permit. Such petition must state in numbered paragraphs the basis of the appeal as required by the Administrative Procedures Act and promulgated regulations. The petition must be prepared on 8" x 11" paper, addressed to the Water Quality Control Board and filed in duplicate at the address listed below. Any hearing would be in accordance with T.C.A. §§69-3-110 and 4-5-301 et seq.

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

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

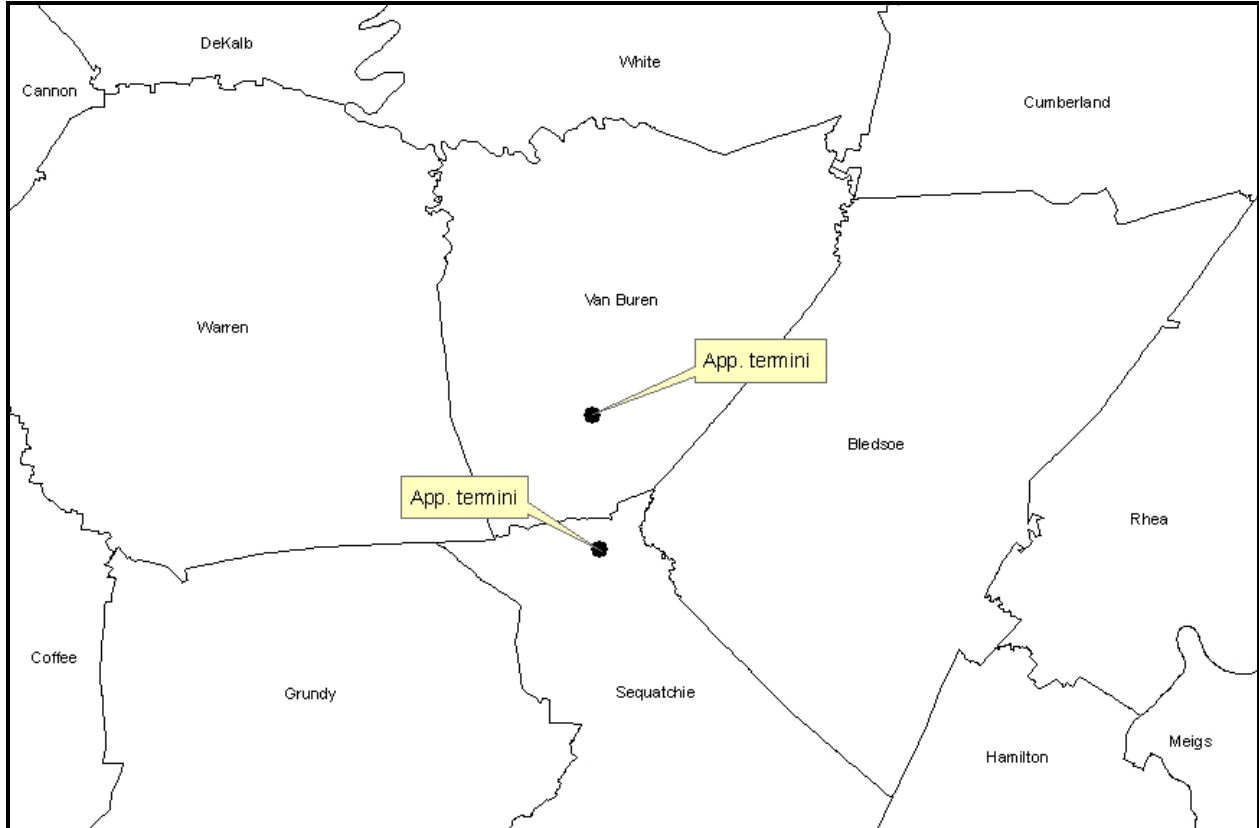


Figure 1: Approximate project termini

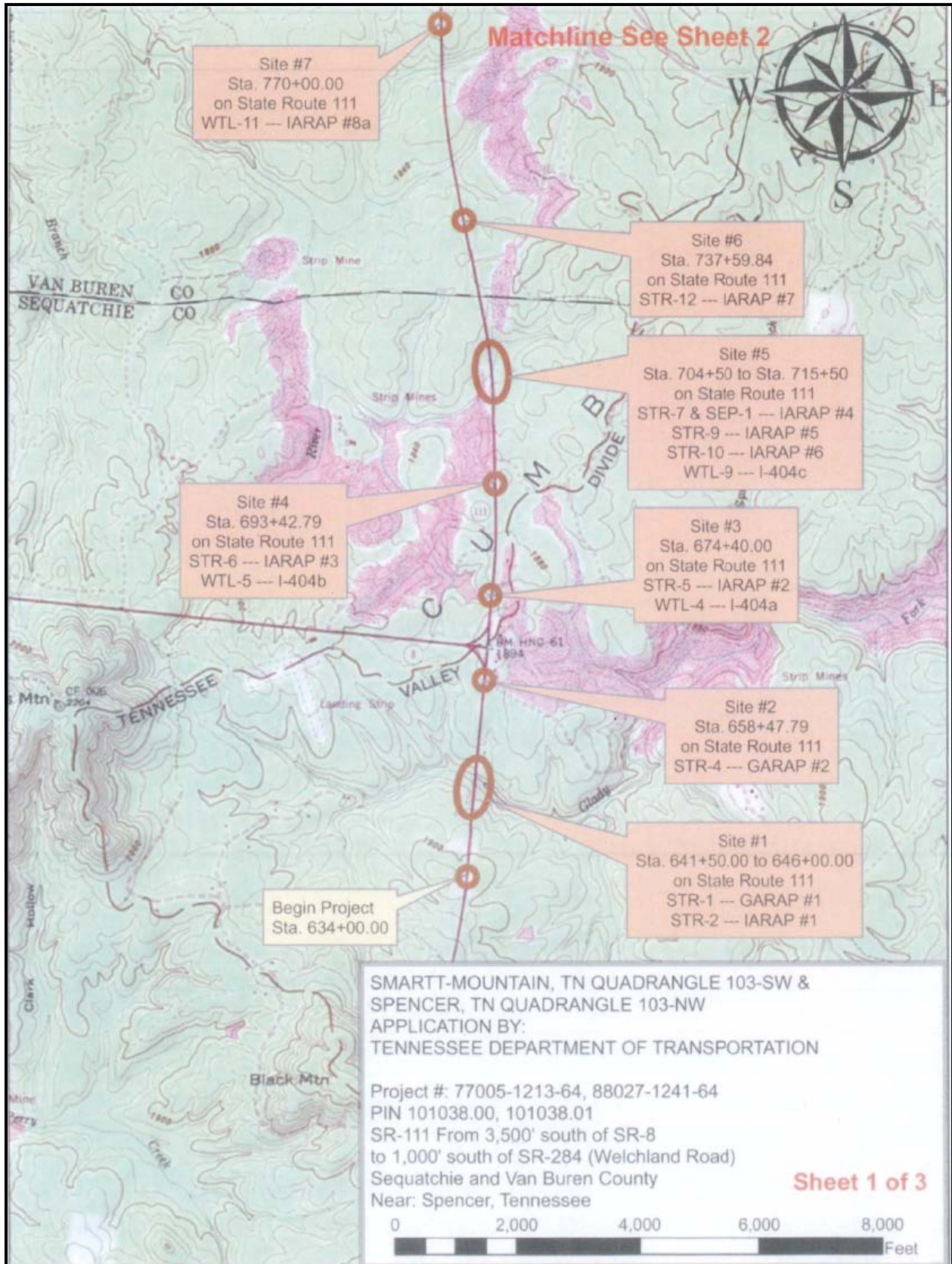


Figure 2: Topographic map with site locations

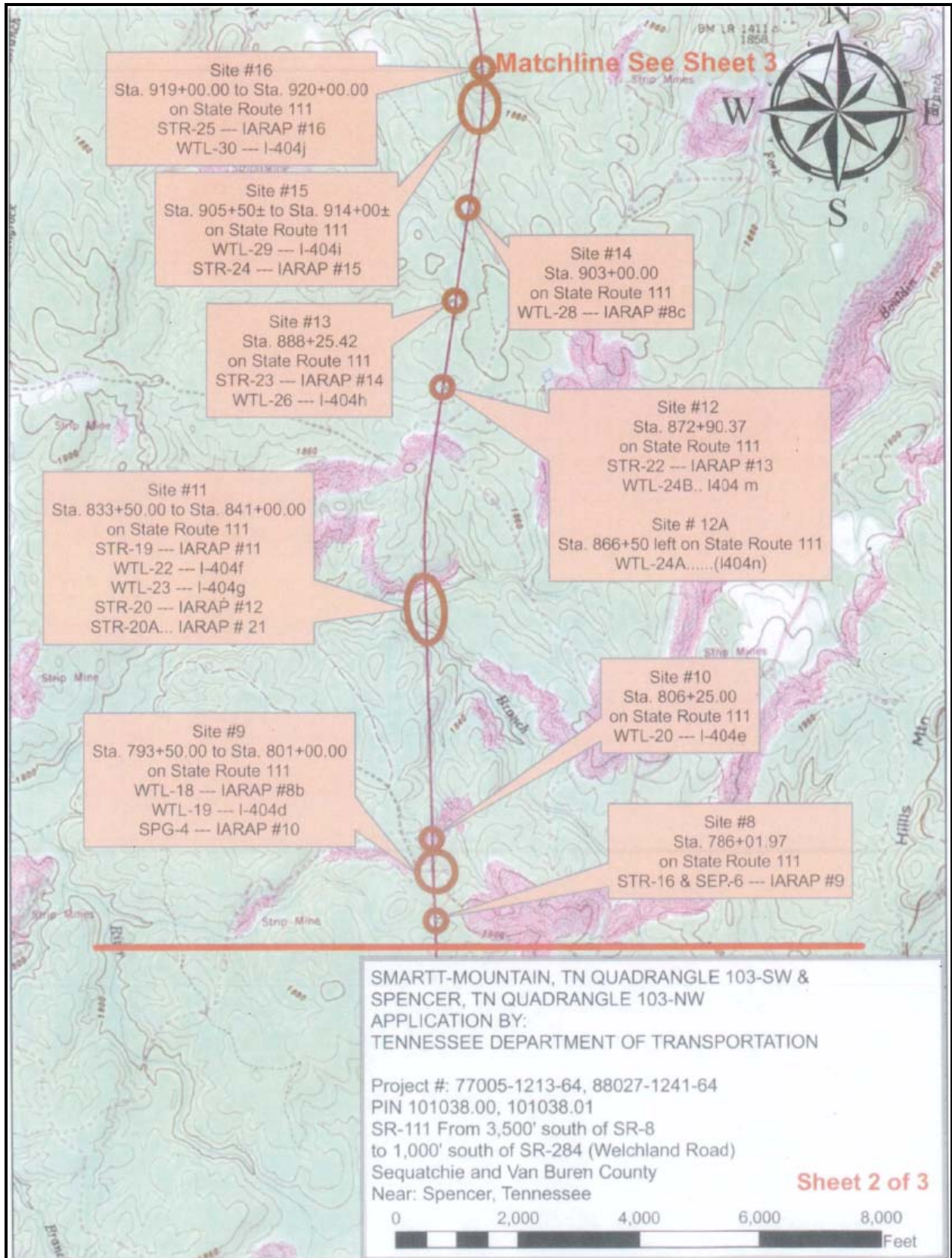


Figure 3 : Topographic map with site locations, continued

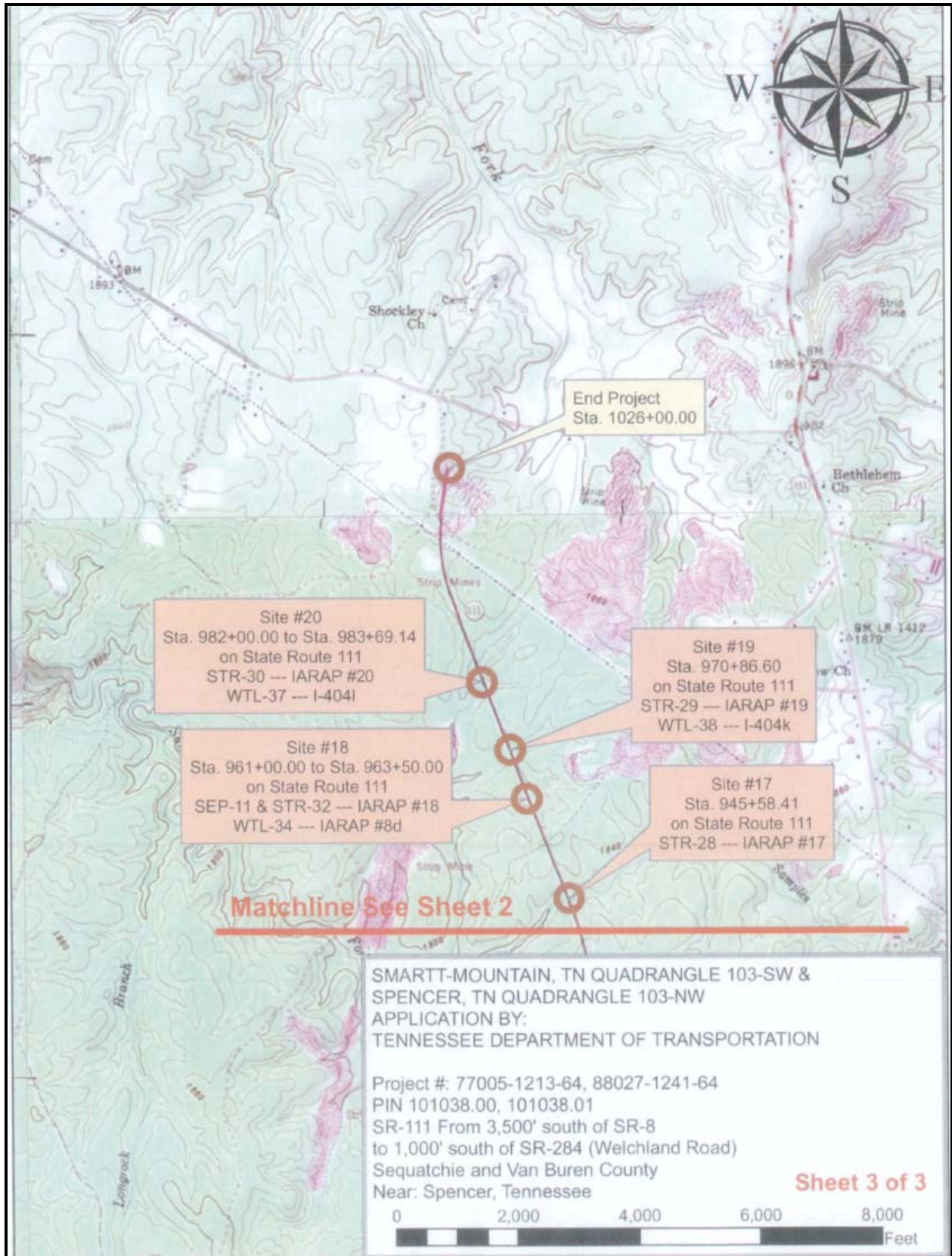


Figure 4 : Topographic map with site locations, continued