PUBLIC NOTICE

PERMIT APPLICATION: NRS #08.034

APPLICANT: State of Tennessee
Department of Transportation
Environmental Division
Suite 900, J. K. Polk Bldg.
505 Deaderick Street
Nashville, TN 37243-0334
615-253-2441

LOCATION: SR-840 from East of Pinewood Rd to West of Columbia Pike (SR-6)
Williamson County

WATERSHED DESCRIPTION: This project will impact wetlands, Locke Branch, Boston Branch, Moore's Branch, Garrison Creek, South Garrison Branch, Burns Branch, Leipers Creek, Robinson Branch, Sycamore Creek, and West Prong Murfrees Fork. The streams and wetlands to be impacted were assessed by the applicant to determine tier status. Sampling stations were established for fish and aquatic life and for use by the USGS. The streams vary from upland spring fed tributaries to large watershed drainages. Additional stream assessment data is available at http://www.tennessee.gov/environment/wpc/ppo/arap/. The land use in the surrounding area is primarily rural agricultural.

PROJECT DESCRIPTION: The applicant proposes to construct 10.5 miles of SR-840 from east of Pinewood Road to west of Columbia Pike in Williamson County. Specific impacts would be as follows:
Station 771+30 +\- to Sta. 773+30+/-: Unnamed trib to Locke Branch, Install 309 ft. of rock fill French Drain with 24" perforated pipe. Sta. 772+25+/-: Unnamed trib to Locke Branch, 103 ft. of rock fill French Drain w/ 24" perforated pipe. Sta. 771+60 +/- to Sta. 771+90+/-: permanent fill of 0.003 acre wetlands. Sta. 789+60+/- to Sta. 790+00+/-: permanent fill of 0.025 acre of wetland. Sta. 789+92+/-: Unnamed trib to Locke Branch, install 340 ft. of 54" RCP in 392 ft. of stream. Sta. 793+05+/-: unnamed trib to Locke Branch, install 8X4 ft. box culvert outfall structure with riprap. Sta. 814+80+/-(Rt.): Unnamed trib to Moore's Branch, install 140 ft. of 30" RCP and 10 ft. of riprap in 150 ft. of stream. Sta. 40+25+/- to Sta. 40+50+/- (Garrison Road): existing 50 ft. of open stream and 29 ft. of 18" pipe to be replaced with 55 ft. of open stream and 40 ft. of 36" RCP. Sta. 40+10+/- to Sta. 40+25+/- (Garrison Road): Unnamed tributary to Garrison Creek, Stream length loss of 15 ft. Sta. 843+35.80: Unnamed trib to Garrison Creek, install three span dual bridges. Sta. 843+49+/- to Sta. 847+44+/-: unnamed trib to Garrison Creek, relocate 330 ft. of stream into a constructed channel 425 ft. in length with two rows of tree plantings. Sta. 870+64.33: Unnamed tribs to South Garrison Branch (Tier 2), install three dual span bridges. Sta. 894+50+/-: Unnamed trib to Locke Branch, Stream length loss of 15 ft. Sta. 894+80+/- to Sta. 907+20+/-: Unnamed trib to Locke Branch (tier 2), 1414 ft. of existing channel, install 618 ft. of 4X6 ft. box culvert and relocate 843 ft. of open stream. Sta. 899+00+/- to Sta. 899+50+/-: unnamed trib to Locke Branch, 140 ft. of stream length loss. Sta. 913+20+/- to Sta. 918+00+/-: Unnamed trib to Burns Branch (tier 1), 548 ft. of existing open stream, install 518 ft. of 18" pipe and 10 ft. of riprap at the outlet. Sta. 918+50: unnamed trib to Burns Branch, 790 ft. of existing stream, install 634 ft. of 36" RCP with 13 ft. of u-shaped end wall at inlet and outlet and 20 ft. of riprap at outlet and 130 ft. of relocated channel. Sta. 918+80 to Sta. 920+70+/-: Unnamed trib to Burns Creek, relocation of 264 ft. of open stream into a constructed channel 180 ft. in length for a loss of 84 ft. of stream. Sta. 930+50+/- to Sta. 932+00+/-: Unnamed trib to Burns Branch, install 137 ft. of 36" RCP and 20 ft. of riprap. Sta. 941+11.46: Unnamed tribs to South Garrison Branch. Install two span dual bridges. Sta. 965+60+/- (Lt) to Sa 970+55+/-(Lt): unnamed trib to Boston Branch (tier 2), relocation of 230 ft. of open channel into a constructed channel 500 ft. in length with two rows of tree plantings. Sta. 965+30+/-(Rt): unnamed trib to Boston Branch (tier 2), existing 30 ft. of spring

and stream install spring box and 34 ft. of 18” RCP connecting to proposed 6X4 ft. box culvert. Sta. 965+91.61: unnamed trib to Boston Branch (tier 2), existing 910 ft. of open stream install 726 ft. of 6X4 ft. box culvert with 44 ft. of riprap at the outlet and 165 ft. of open stream (loss of 19 ft.). Sta. 966+70+/- to Sta. 967+30+/-: unnamed trib to Boston Branch (tier 2), 260 ft. of rock fill French Drain with perforated pipe. Sta. 981+78.10: unnamed trib to Boston Branch (tier 1) existing 560 ft. of open stream, install 360 ft. of 42” RCP with 14 ft. of endwall at inlet and outlet, 46 ft. of inlet transition channel and 140 ft of outlet transition (40 ft riprap). Sta. 111+00+/- to Sta. 116+85+/- (Leipers Creek Road): unnamed trib to Boston Branch (tier 2), existing 392 ft. of open stream and 150 ft. of 3X4 ft. box culvert replaced with 121 ft. of 20X18 ft. conspan bridge and 434 ft. of relocated channel with two rows of tree plantings. Sta. 116+25 to Sta. 117+40 (Leipers Creek Road): unnamed trib to Boston Branch (tier 2), 118 ft. of stream length loss. Sta. 989+80(Lt) to Sta. 990+30(Lt): unnamed trib to Boston Branch (tier 1), existing 56 ft. of open stream relocated into 125 ft. of constructed stream channel. Sta. 991+00(Rt) to Sta. 995+00+/- (Rt): unnamed trib to Boston Branch (tier 2), existing 328 ft. of open stream channel relocate 129 ft. of open channel and install 133 ft. of 24” RCP, 90 ft. of 30” RCP and 13 ft. of U shape endwall at inlet and outlet. Sta. 992+40+/-(Rt) to Sta. 993+50+/-(Rt):permanent fill of 0.046 acre of wetland. Sta. 107+40(Rt) to Sta. 108+00(Rt) (Leipers Creek Road): unnamed trib to Boston Branch (tier 1), 58 ft. of stream length lost. Sta. 95+00+/- to Sta. 97+50+/-: unnamed trib to Leipers Creek (tier 1): existing 193 ft. of open stream relocated into 215 ft. of open channel and 47 ft. of 30” RCP, 92 ft. of 36” RCP with 10ft. of U shaped endwall at inlet. Sta. 92+30+/- to Sta. 97+40+/- (Leipers Creek Road): Leipers Creek (tier 1), existing 530 ft. of open stream and 71 ft. of 30” CMP replaced with 48 ft. of 30” RCP, 409 ft. of relocated stream and 74 ft. of 36” RCP. Sta. 92+86.22+/-: unnamed trib to Boston Branch (tier 1), existing 295 ft. of open stream, install 264 ft. of 60” RCP with 41 ft. of riprap at the outlet. Sta. 103+85.37+/- (Frontage Road H) Sta. 1014+41.48 (SR-840): Boston Branch, existing 427 ft. of open stream install 74 ft. of 16X10 ft. conspan and 293 ft. of 6X4 ft. box culvert with 35 ft. of riprap. Sta. 1011+35+/-(Lt) to Sta. 1011+60+/-(Lt): unnamed trib and spring, loss of 57 ft. of stream length. Sta. 1020+00+/- to Sta. 1020+70+/-: unnamed trib to Boston Branch (tier 1), existing 205 ft. of open stream, install 372 ft. of 24” RCP and 136 ft. of 36” RCP with 20 ft. of riprap at outlet. Sta. 1024+08.74 unnamed trib to Boston Branch (tier 1), existing 592 ft. of open stream install 539 ft. of 6X4 ft. box culvert with 35 ft. of riprap at the outlet. Sta. 1029+57.81: unnamed trib to Boston Branch (tier 1), existing 860 ft. of open stream relocate 147 ft. of open channel (30 ft. riprap) and install 714 ft. of 6X4 ft. box culvert. Sta. 1029+80+/- (Lt) to Sta. 1030+80+/- (Lt): spring and unnamed trib to Boston Branch (tier 1), existing 118 ft. of open stream, install spring box with 110 ft. of 18” pipe. Sta. 1049+69: unnamed trib to Robinson Branch, existing 283 ft. of open stream install 294 ft. of 24” RCP and 108 ft. of 30” RCP. Sta. 1049+90+/- (Lt) to Sta. 1050+50+/- (Lt): unnamed trib to Robinson Branch, 74 ft. of rock fill French Drain with perforated pipe. Sta. 1063+35 to Sta. 1064+10: unnamed trinutary to Robinson Branch. Install 28 ft. of 18” side drain and temporary impact to 0.202 ac and permanent impact to 0.016 acre of wetlands. Sta. 1075+10+/- to Sta. 1075+75+/-: unnamed tribs to Robinson Branch, loss of 48 ft. of stream length. Sta. 1077+13+/-: unnamed trib to Robinson Branch, existing 680 ft. of open stream install, 602 ft. of 6X4 ft. box culvert with 36 ft. of transition at the inlet and 40 ft. of riprap at the outlet. Sta. 1082+51.24+/-: unnamed trib to Robinson Branch, existing 511 ft. of open stream install, 448 ft. of 6X6 ft. box culvert with 30 ft. of transition at the inlet and 25 ft. of riprap at the outlet. Sta. 1091+35+/- to Sta. 1107+60+/-: unnamed trib to Robinson Branch (tier 1), existing 1,785 ft. of open stream relocated into 1,681 ft. of constructed channel with two rows of tree plantings. Sta. 1094+30+/- to Sta. 1094+80+/-: unnamed trib to Robinson Branch, existing 106 ft. of open stream install 38 ft. of riprap and a loss of 106 ft. of open stream. Sta. 1099+85+/- to Sta. 1100+50+/-: unnamed trib to Boston Branch (tier 1), existing 128 ft. of open stream install 60 ft. of riprap and a loss of 68 ft. of stream length. Sta. 1109+50+/- to Sta. 1123+60+/-: unnamed trib to Robinson Branch, existing 1400 ft. of open stream and 67 ft. of structure relocated into 1471 ft. of constructed channel and 53 ft. of 10X5 ft. of box culvert. Sta. 1136+65: unnamed trib to Sycamore Creek (tier 1), existing 400 ft. of open stream, install 204 ft. of 24” RCP and 143 ft. of 36” RCP with 35 ft. of energy dissipater and 15 ft. of riprap at the outlet. Sta. 1143+00.67+/-: unnamed trib to Sycamore Creek (tier 1), existing 454 ft. of open stream channel install 454 ft. of 8X8 ft. box culvert. Sta. 1169+70+/- to Sta. 1178+50+/-: unnamed trib to Sycamore Creek (tier 1), existing 1,371 ft. of open stream channel, 50 ft. of

structure (Sycamore Rd) and 50 ft. of structure (Johnson Hollow Road) relocated into 1,431 ft. of constructed channel, 17 ft. of 8X4 ft. box culvert (Sycamore Road), 49 ft. of 8X4 ft. box culvert (Johnson Hollow Road) and 59 ft. of 10X4 ft. box culvert (Old Johnson Hollow Rd). Sta. 1200+49 to Sta. 1207+95: Sycamore Creek, existing 830 ft. of open stream relocated into 835 ft. of constructed stream channel including 60 ft. of bank stabilization on the south bank. Sta. 1237+53: West Prong Murfrees Fork (tier 1), existing 573 ft. of open stream channel install 573 ft. of 3 @ 18X15 ft. slab bridge. Sta. 1251+86: unnamed trib to West Prong Murfrees Fork (tier 1), existing 415 ft. of open stream channel, install 316 ft. of 30" RCP and 38 ft. of 36" RCP with 20 ft. of riprap at the outlet. Sta. 1286+50 to Sta. 1295+50: unnamed trib to Murfrees Fork (tier 1), existing 961 ft. of open stream channel and 19 ft. of structure relocated into 756 ft. of constructed stream channel and 68 ft. of 10X5 ft. box culvert. Sta. 1334+67: unnamed trib to West Prong Murfrees Fork, existing 359 ft. of open stream channel install 264 ft. of 3 @ 12X10 ft. slab bridge with 36 ft. of riprap at the outlet. Additional impacts qualifying for General Permits are not listed here.

The project, as proposed, would permanently impact 0.173 acres and temporarily impact 0.209 acres of wetlands. Wetlands impacts would be mitigated through debiting, at a 2:1 ratio 0.35 acre of available credit from the Harpeth Wetland Mitigation Bank. Stream impacts not mitigated on site would be mitigated by payment of $2,163,200.00 to the Tennessee Stream Mitigation Program for TSMP approved mitigation within the Murfrees Creek and Leipers Fork Creek watershed.

Standard erosion control devices would be used to prevent sediment from entering flowing water. Upon completion of the work, all disturbed areas would be stabilized.

USGS TOPOGRAPHIC QUADRANGLE: Spring Hill, TN (63-SW) and **Theta, TN** (56-SE)

PERMIT COORDINATOR: Brian Canada,

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

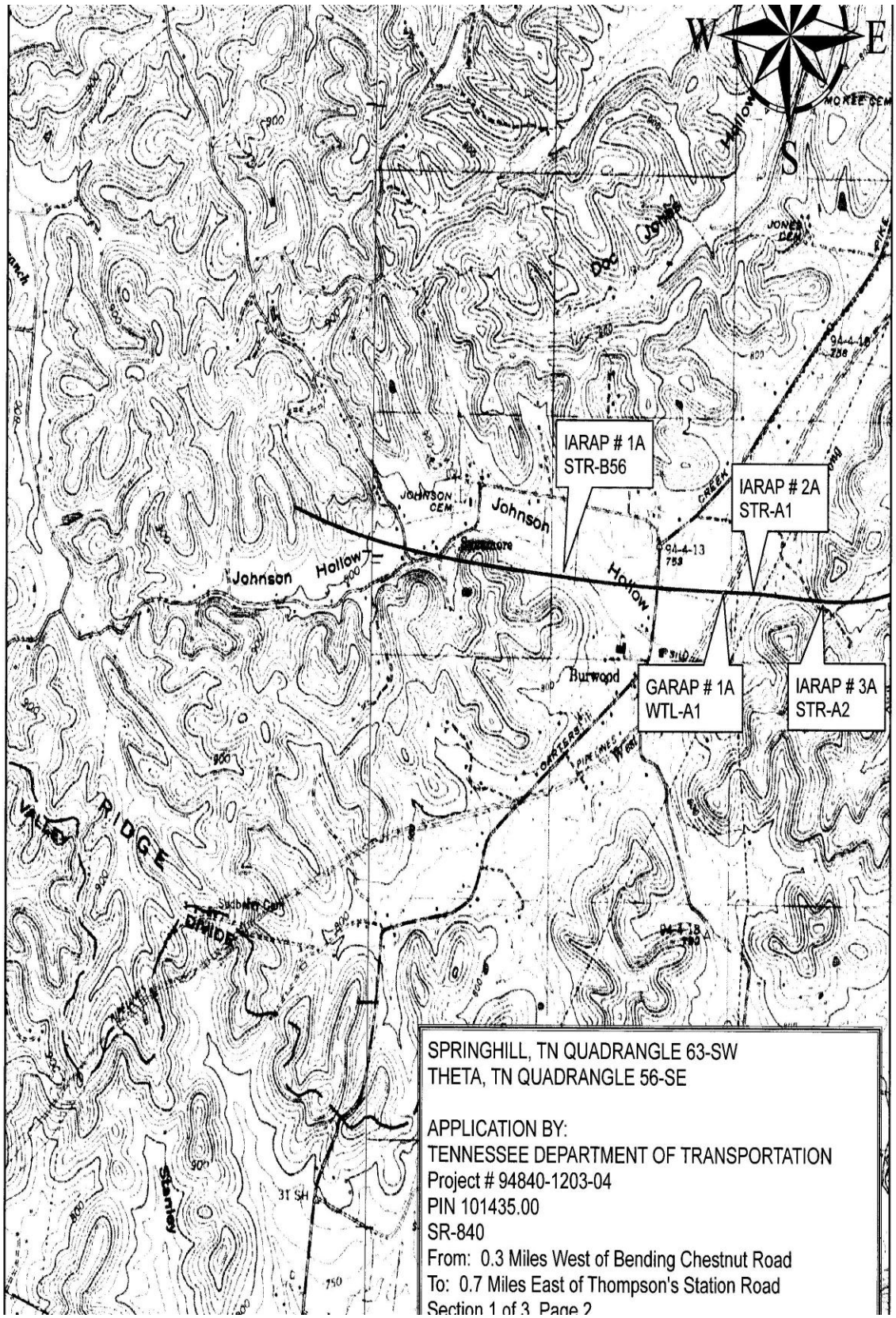
No decision has been made whether to issue or deny this permit. The purpose of this notice is to inform interested parties of this permit application and to ask for comments and information necessary to determine possible impacts to water quality. Persons wishing to comment on the proposal are invited 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.


W
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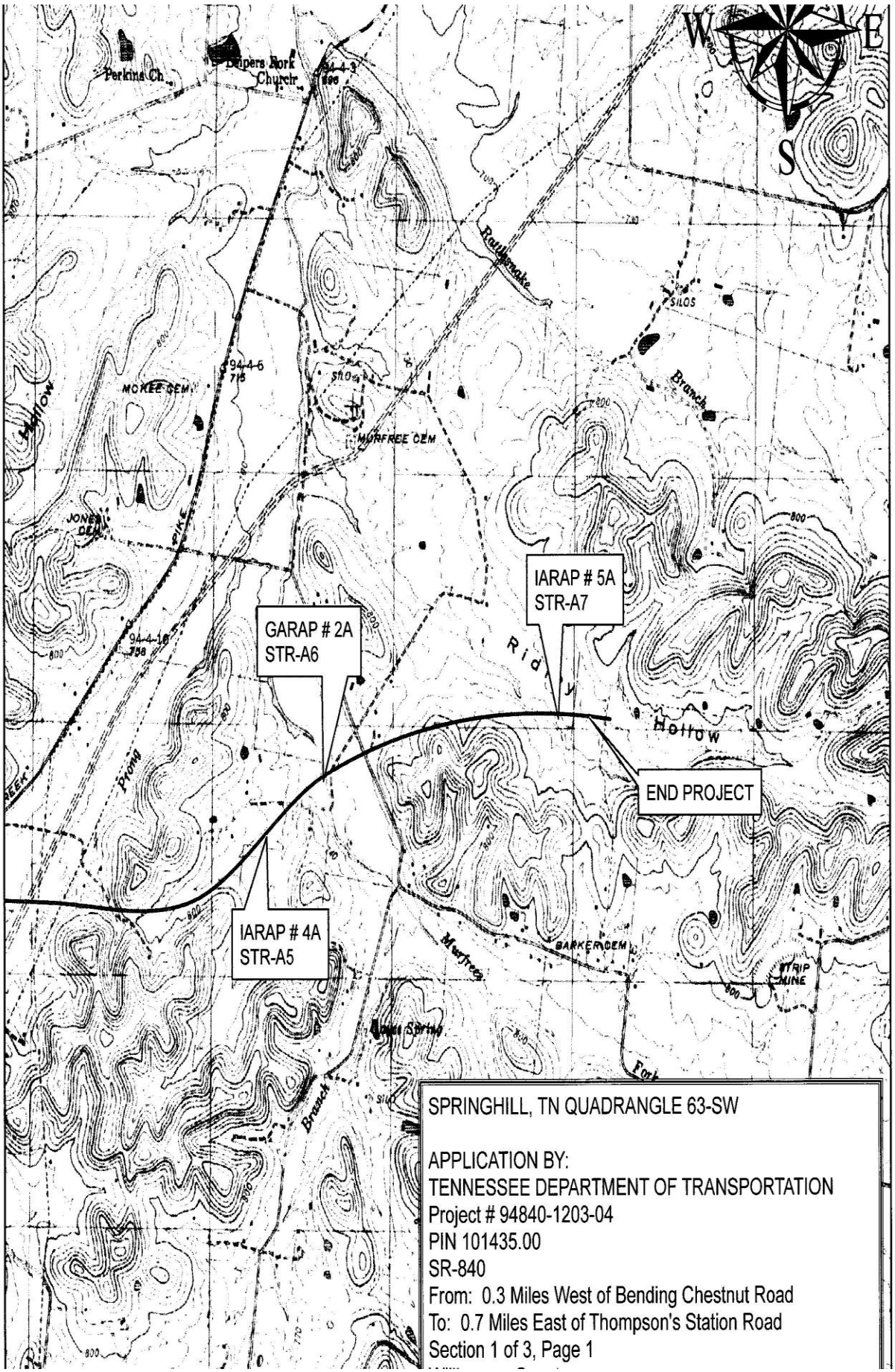
IARAP # 1A
STR-B56
IARAP # 2A
STR-A1
GARAP # 1A
WTL-A1
IARAP # 3A
STR-A2
Johnson Hollow
Johnson
Hollow
Burwood
RIDGE
DIVIDE
SPRINGHILL, TN QUADRANGLE 63-SW
THETA, TN QUADRANGLE 56-SE
APPLICATION BY:
TENNESSEE DEPARTMENT OF TRANSPORTATION
Project # 94840-1203-04
PIN 101435.00
SR-840
From: 0.3 Miles West of Bending Chestnut Road
To: 0.7 Miles East of Thompson's Station Road
Section 1 of 3, Page 2


W
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S
Perkins Ch
Deipers Fork Church
94-4-3
Rattlesnake
SILOS
Branch
94-4-6
715
MOKEE CEM
SILO
MURFREE CEM
Hollow
JONES CEM
PIKE
94-4-10
758
IARAP # 5A
STR-A7
GARAP # 2A
STR-A6
Ridley
Hollow
END PROJECT
Prong
IARAP # 4A
STR-A5
Murfrees
BARKER CEM
STRIP MINE
Branch
SPRINGHILL, TN QUADRANGLE 63-SW
APPLICATION BY:
TENNESSEE DEPARTMENT OF TRANSPORTATION
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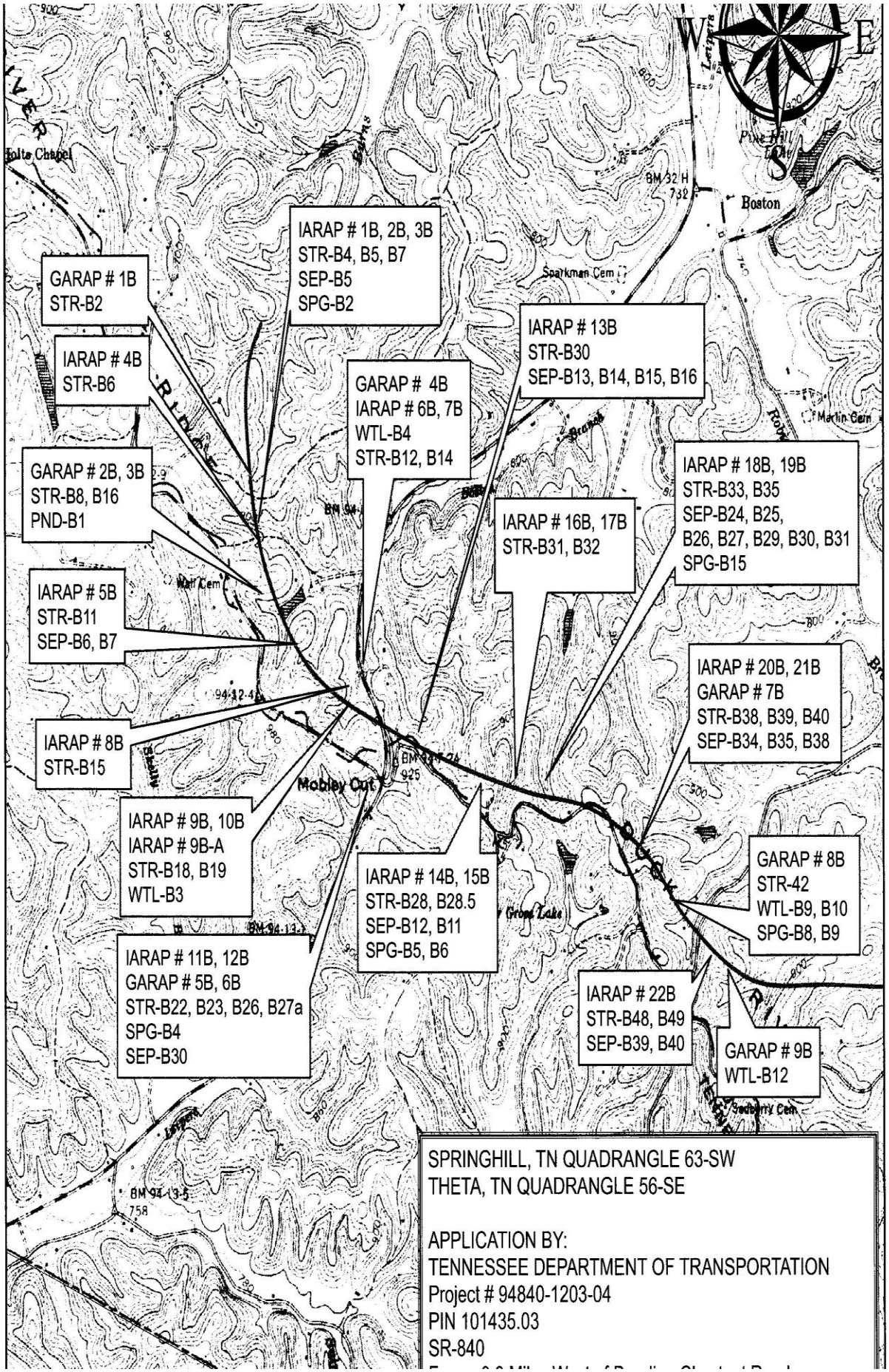
Section 1 of 3, Page 1


W
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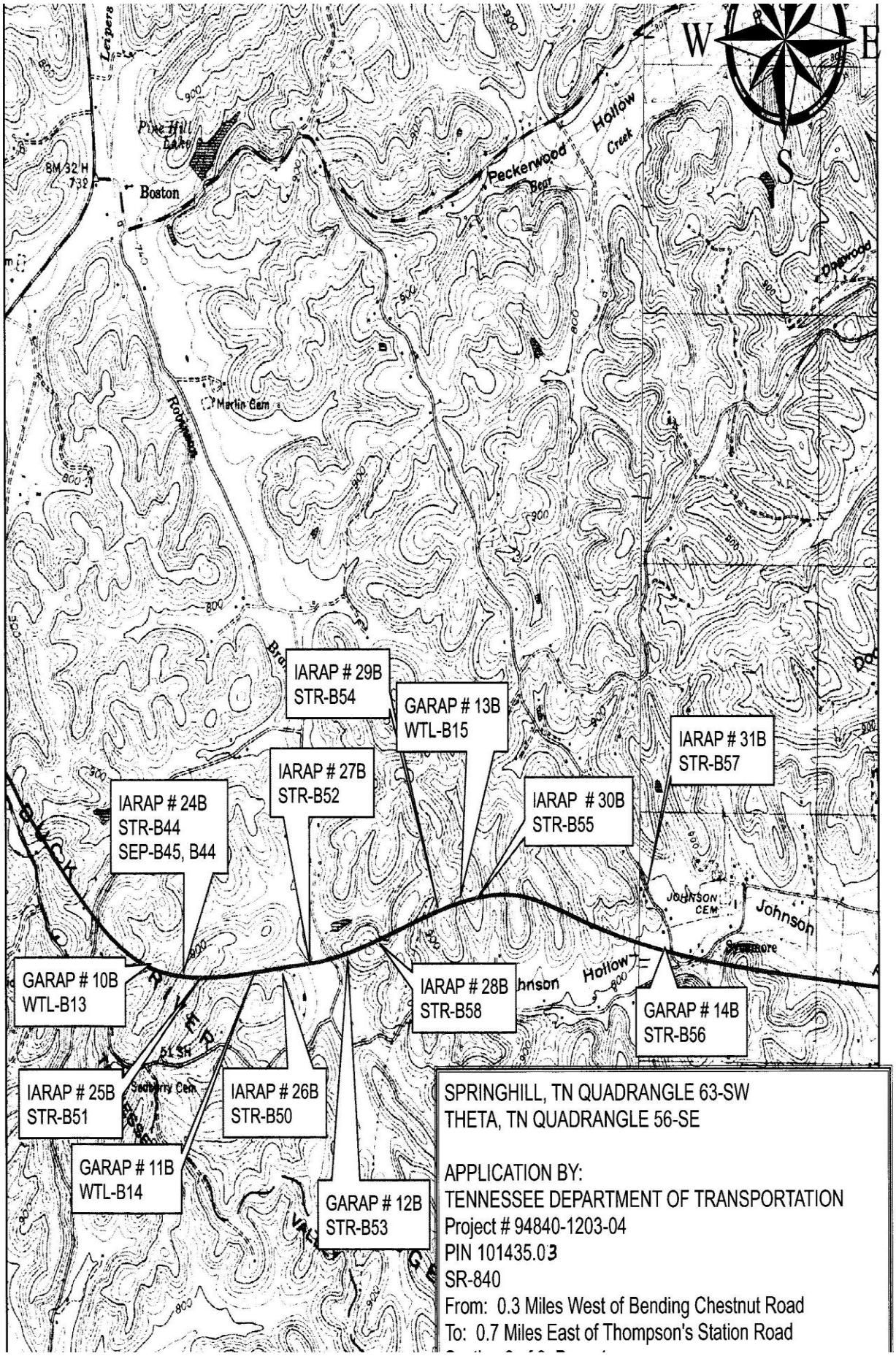
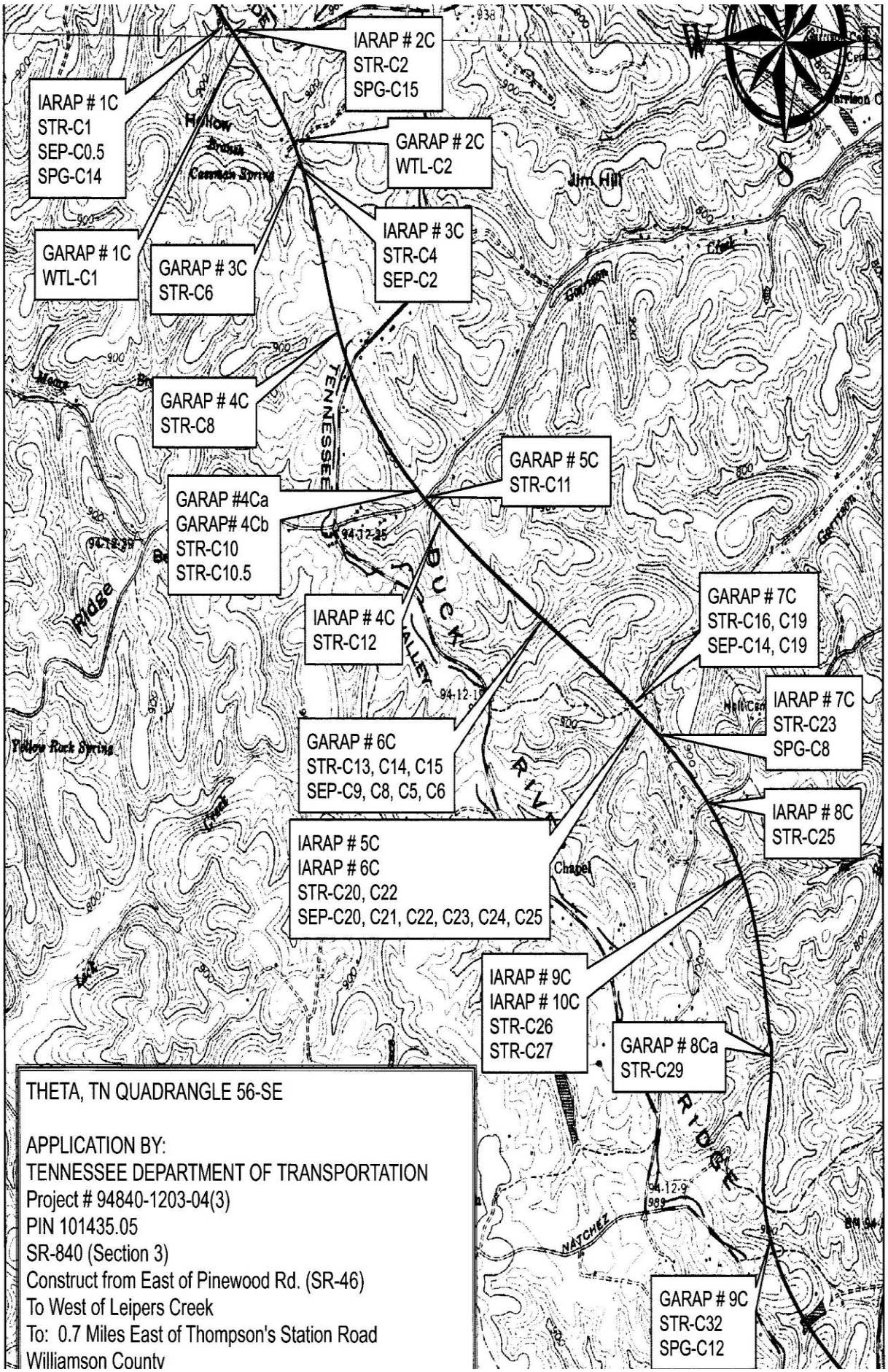
Holts Chapel
Boston
Sparkman Cem
Martin Cem
Wall Cem
Mobley Cut
Grove Lake
Sedberry Cem
GARAP # 1B
STR-B2
IARAP # 1B, 2B, 3B
STR-B4, B5, B7
SEP-B5
SPG-B2
IARAP # 4B
STR-B6
GARAP # 4B
IARAP # 6B, 7B
WTL-B4
STR-B12, B14
IARAP # 13B
STR-B30
SEP-B13, B14, B15, B16
GARAP # 2B, 3B
STR-B8, B16
PND-B1
IARAP # 16B, 17B
STR-B31, B32
IARAP # 18B, 19B
STR-B33, B35
SEP-B24, B25,
B26, B27, B29, B30, B31
SPG-B15
IARAP # 5B
STR-B11
SEP-B6, B7
IARAP # 20B, 21B
GARAP # 7B
STR-B38, B39, B40
SEP-B34, B35, B38
IARAP # 8B
STR-B15
IARAP # 9B, 10B
IARAP # 9B-A
STR-B18, B19
WTL-B3
IARAP # 14B, 15B
STR-B28, B28.5
SEP-B12, B11
SPG-B5, B6
GARAP # 8B
STR-42
WTL-B9, B10
SPG-B8, B9
IARAP # 11B, 12B
GARAP # 5B, 6B
STR-B22, B23, B26, B27a
SPG-B4
SEP-B30
IARAP # 22B
STR-B48, B49
SEP-B39, B40
GARAP # 9B
WTL-B12
SPRINGHILL, TN QUADRANGLE 63-SW
THETA, TN QUADRANGLE 56-SE
APPLICATION BY:
TENNESSEE DEPARTMENT OF TRANSPORTATION
Project # 94840-1203-04
PIN 101435.03
SR-840



SPRINGHILL, TN QUADRANGLE 63-SW
THETA, TN QUADRANGLE 56-SE

APPLICATION BY:
TENNESSEE DEPARTMENT OF TRANSPORTATION
Project # 94840-1203-04
PIN 101435.03
SR-840
From: 0.3 Miles West of Bending Chestnut Road
To: 0.7 Miles East of Thompson's Station Road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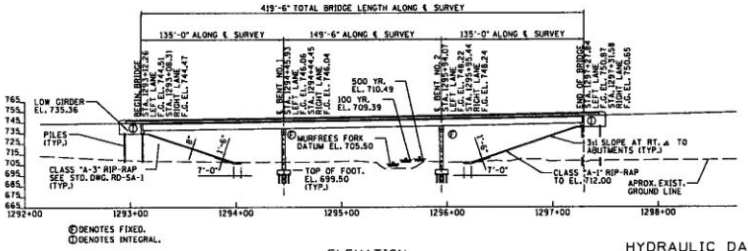
SPG-C15
IARAP # 1C
STR-C1
SEP-C0.5
SPG-C14
GARAP # 2C
WTL-C2
IARAP # 3C
STR-C4
SEP-C2
GARAP # 1C
WTL-C1
GARAP # 3C
STR-C6
GARAP # 4C
STR-C8
GARAP # 5C
STR-C11
GARAP #4Ca
GARAP# 4Cb
STR-C10
STR-C10.5
IARAP # 4C
STR-C12
GARAP # 7C
STR-C16, C19
SEP-C14, C19
IARAP # 7C
STR-C23
SPG-C8
GARAP # 6C
STR-C13, C14, C15
SEP-C9, C8, C5, C6
IARAP # 8C
STR-C25
IARAP # 5C
IARAP # 6C
STR-C20, C22
SEP-C20, C21, C22, C23, C24, C25
IARAP # 9C
IARAP # 10C
STR-C26
STR-C27
GARAP # 8Ca
STR-C29
GARAP # 9C
STR-C32
SPG-C12
THETA, TN QUADRANGLE 56-SE
APPLICATION BY:
TENNESSEE DEPARTMENT OF TRANSPORTATION
Project # 94840-1203-04(3)
PIN 101435.05
SR-840 (Section 3)
Construct from East of Pinewood Rd. (SR-46)
To West of Leipers Creek
To: 0.7 Miles East of Thompson's Station Road
Williamson County



ELEVATION
SCALE: 1" = 40'-0"

GENERAL NOTES:

1) SPECIFICATIONS: STANDARD ROAD AND BRIDGE SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION, (MARCH 1, 2006 EDITION).
2) DESIGN SPECIFICATIONS: AASHTO 2002 EDITION WITH ADDENDA INCLUDING THE STANDARD SPECIFICATIONS FOR SEISMIC DESIGN OF HIGHWAY BRIDGES, (SEISMIC PERFORMANCE CATEGORY A, WITH ACCELERATION COEFFICIENT 0.075).
3) LOADING: HS20-44 (DEAD LOADS TO INCLUDE 33 LB/FT² FOR FUTURE OVERLAY)
4) CONCRETE: CLASS "A" F'c = 3,000 PSI; EXCEPT AS NOTED OTHERWISE.
5) CLASS "D" CONCRETE FOR BRIDGE DECKS SHALL BE IN ACCORDANCE WITH SECTION 604 OF THE STANDARD SPECIFICATIONS.
6) REINFORCING STEEL: ASTM A615 GRADE 60. (EPOXY COAT ALL SLAB STEEL).
7) SUPERSTRUCTURE: TO CONSIST OF 3 SPAN PRESTRESSED PRECAST CONCRETE BULB-T BEAMS WITH COMPOSITE CONCRETE DECK SLAB.
8) BRIDGE EXCAVATION: BASED ON FINAL PROFILE AT ABUTMENTS.
9) BRIDGE DECK FINISH: TO BE IN ACCORDANCE WITH NOTE "C" IN ARTICLE 604.22 OF THE STANDARD SPECIFICATIONS.
10) MACHINED RIP RAP SHALL BE CLASS "A-1" & "A-3" IN ACCORDANCE WITH SECTION 709 OF THE STANDARD SPECIFICATIONS AND SHALL BE MEASURED AND PAID FOR UNDER ROADWAY ITEM 709-05.05.
11) BRIDGE DECK DRAINS ARE REQUIRED.
12) END OF BRIDGE DRAINS ARE REQUIRED.
13) USE STD-1-15S BRIDGERAIL.
14) USE MULTI-POST BENTS.

P.E. NO. 94840-1203-04

PROJECT NO.	YEAR	SHEET NO.
SP	2008	

REVISIONS

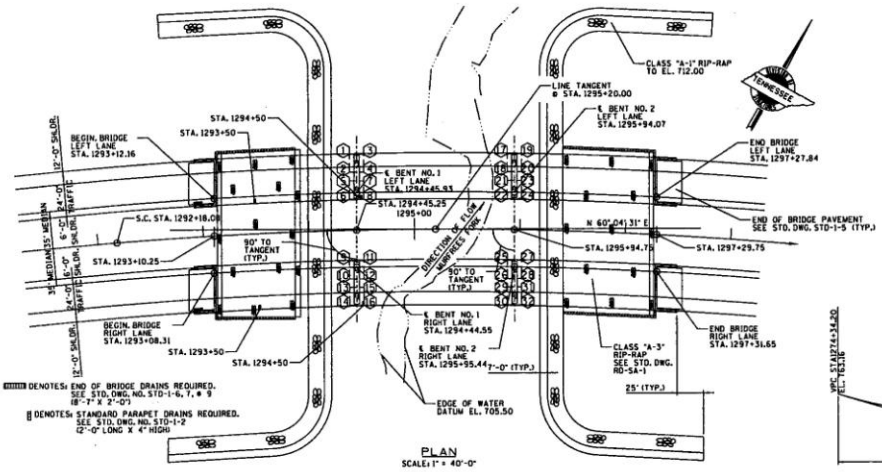
NO.	DATE	BY	WHY DESCRIPTION

HYDRAULIC DATA

DRAINAGE AREA = 8.94 MI²
DESIGN DISCHARGE (100 YR.) = 5437 CFS
WATER AREA PROVIDED BELOW EL. 708.94 = 1382.10 FT²
100 YR. VELOCITY = 4.49 FPS
100 YR. BRIDGE BACKWATER = 0.94 FT. @ EL. 709.39
ROADWAY OVERTOPPING EL. = 742.00
500 YR. DISCHARGE 7123 CFS @ EL. 710.49

CURVE DATA

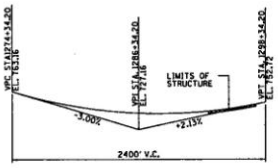
(STATE ROUTE 840)
P.I. STA. 1302+20.93
N 521,728.4057
E 1,716,067.6399
Δ 33° 51' 10" RT.
Δc 27° 03' 11" RT.
D 1° 30' 00"
Rc 3820.00
Lc 1937.02
Tc 1322.86
Ls 320.00
θs 2° 23' 59"
K 159.98
P 1.117
Xc 4.467
Yc 319.943
Sa 0.051 '/'
DESIGN SPEED = 70 mph



PLAN
SCALE: 1" = 40'-0"

TABLE OF FOOTING COORDINATES

POINT	COORDINATE	POINT	COORDINATE	POINT	COORDINATE	POINT	COORDINATE
1	N 521304.37 E 1715417.57	9	N 521217.68 E 1715467.46	17	N 521378.94 E 1715547.13	25	N 521292.26 E 1715597.02
2	N 521289.64 E 1715426.05	10	N 521202.95 E 1715475.94	18	N 521364.21 E 1715555.61	26	N 521277.53 E 1715605.50
3	N 521311.10 E 1715429.27	11	N 521224.42 E 1715479.16	19	N 521385.68 E 1715558.83	27	N 521298.99 E 1715608.72
4	N 521296.37 E 1715437.75	12	N 521209.69 E 1715487.64	20	N 521370.95 E 1715567.31	28	N 521284.26 E 1715617.20
5	N 521282.70 E 1715430.04	13	N 521196.02 E 1715479.93	21	N 521357.28 E 1715559.60	29	N 521270.59 E 1715609.49
6	N 521267.97 E 1715438.52	14	N 521181.28 E 1715488.41	22	N 521342.54 E 1715568.08	30	N 521255.86 E 1715617.97
7	N 521289.44 E 1715441.74	15	N 521202.75 E 1715491.63	23	N 521364.01 E 1715571.30	31	N 521277.33 E 1715621.19
8	N 521274.70 E 1715450.22	16	N 521188.02 E 1715500.11	24	N 521349.28 E 1715579.78	32	N 521262.59 E 1715629.67



GRADE SKETCH
STATE ROUTE 840

2028 ADT = 40,275
42'-0" ROADWAY WITH STD-1-15S BRIDGE RAIL
DESIGN SPEED = 70 mph

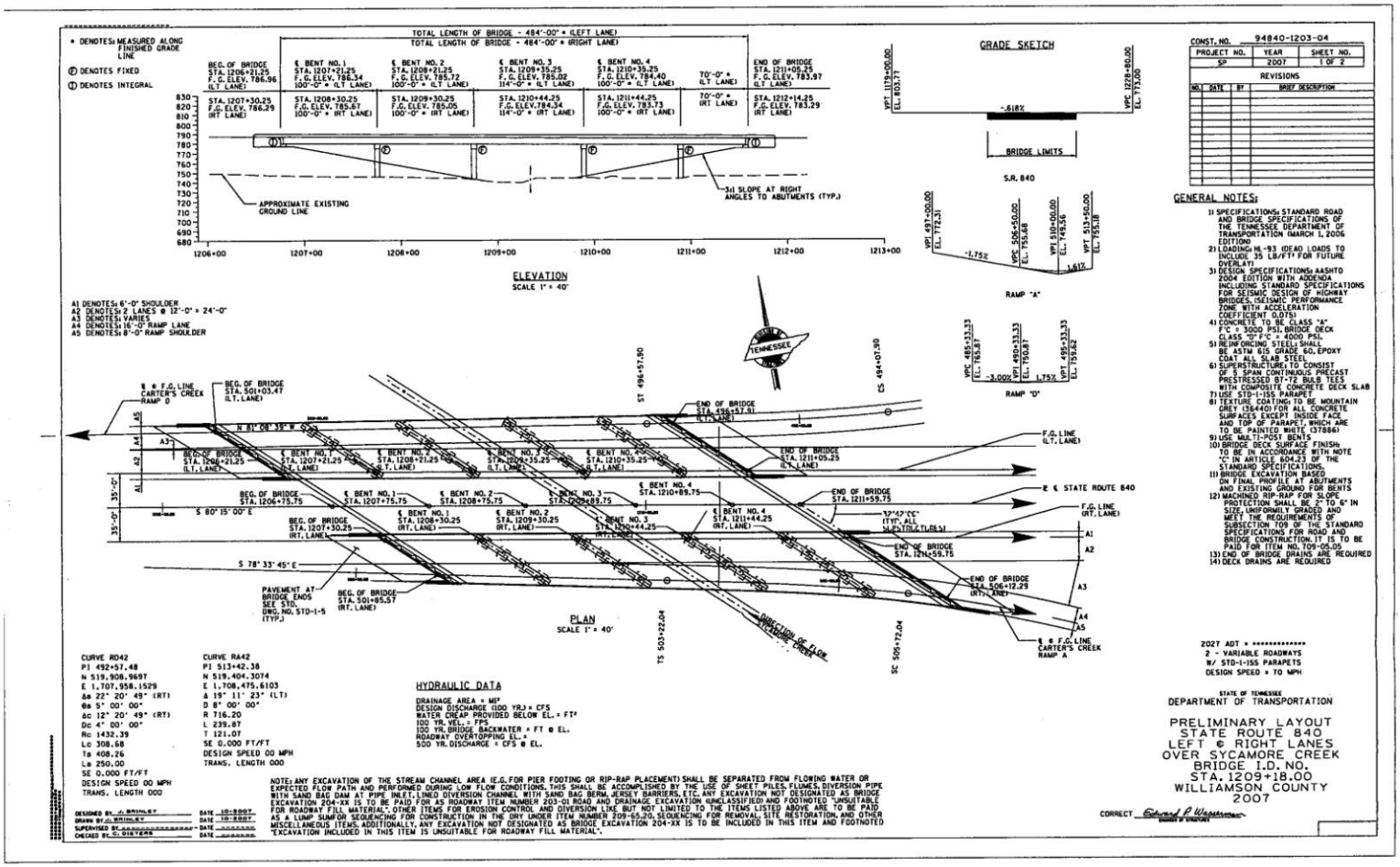
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
PRELIMINARY LAYOUT
STATE ROUTE 840
OVER
MURFREES FORK
BRIDGE ID. NO. 94SR8400093 RL
BRIDGE ID NO. 94SR8400094 LL
STATION 1295+20.00
WILLIAMSON COUNTY
2008

CORRECT Edward P. Wiesemann
ENGINEER OF RECORD

DESIGNED BY JKB DATE 7-07
DRAWN BY KDM DATE 7-07
SUPERVISED BY JKB DATE 7-07
CHECKED BY JKB DATE

SHEET 1 OF 2

CLASS "A-1" RIP-RAP = 2540 TONS CLASS "A-3" RIP-RAP = 1000 TONS


ELEVATION
SCALE 1" = 40'
PLAN
SCALE 1" = 40'
GRADE SKETCH
RAMP "A"
RAMP "D"
HYDRAULIC DATA
GENERAL NOTES:
DEPARTMENT OF TRANSPORTATION
PRELIMINARY LAYOUT
STATE ROUTE 840
LEFT ℄ RIGHT LANES
OVER SYCAMORE CREEK
BRIDGE I.D. NO.
STA. 1209+18.00
WILLIAMSON COUNTY
2007