

ADVANCE PLANNING REPORT

**US11E (SR-34)
FROM US25E (SR-32) IN MORRISTOWN
TO I-81 SOUTH OF BULLS GAP
HAMBLLEN, HAWKINS AND GREENE COUNTIES**





PREPARED BY
TENNESSEE DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING AND DEVELOPMENT

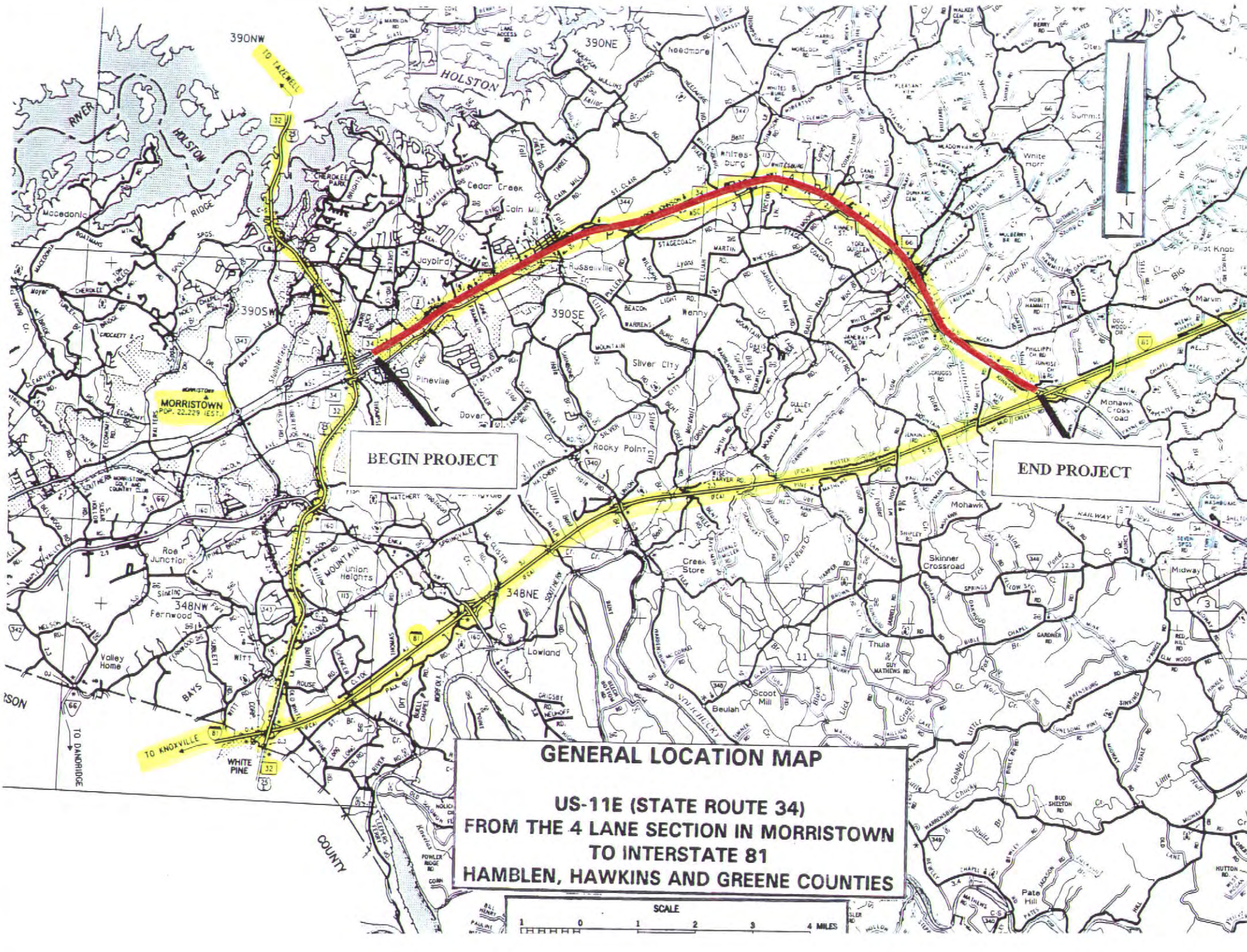
Approved by: 

Director, Bureau of Planning and Development

4/23/99
Date

REVISION

Recommended by:	INITIALS	DATE	Recommended by:	INITIALS	DATE
TRANS. DIRECTOR PLANNING DIVISION	GAB	4/6/99	TRANS. DIRECTOR PLANNING DIVISION		
ENG. DIRECTOR DESIGN DIVISION		4/9/99	ENG. DIRECTOR DESIGN DIVISION		
ENG. DIRECTOR STRUCTURES DIVISION		4/19/99	ENG. DIRECTOR STRUCTURES DIVISION		
TRANS. DIRECTOR PROG. DEV. DIVISION		4/22/99	ENG. DIRECTOR PROG. DEV. DIVISION		
ASST. EXEC. DIRECTOR PLN. AND DEV.		4/22/99	ASST. EXEC. DIRECTOR PLN. AND DEV.		
ASST. EXEC. DIRECTOR PLAN. AND DEV.	WCW	4/22/99	ASST. EXEC. DIRECTOR PLAN. AND DEV.		

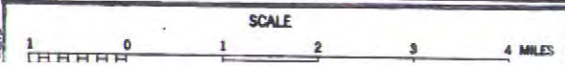


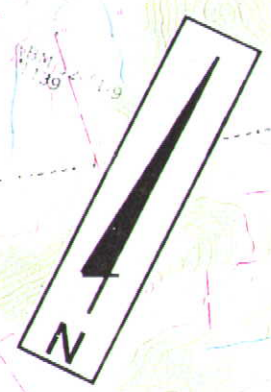
MORRISTOWN
POP. 22,229 EST.

BEGIN PROJECT

END PROJECT

GENERAL LOCATION MAP
US-11E (STATE ROUTE 34)
FROM THE 4 LANE SECTION IN MORRISTOWN
TO INTERSTATE 81
HAMBLLEN, HAWKINS AND GREENE COUNTIES





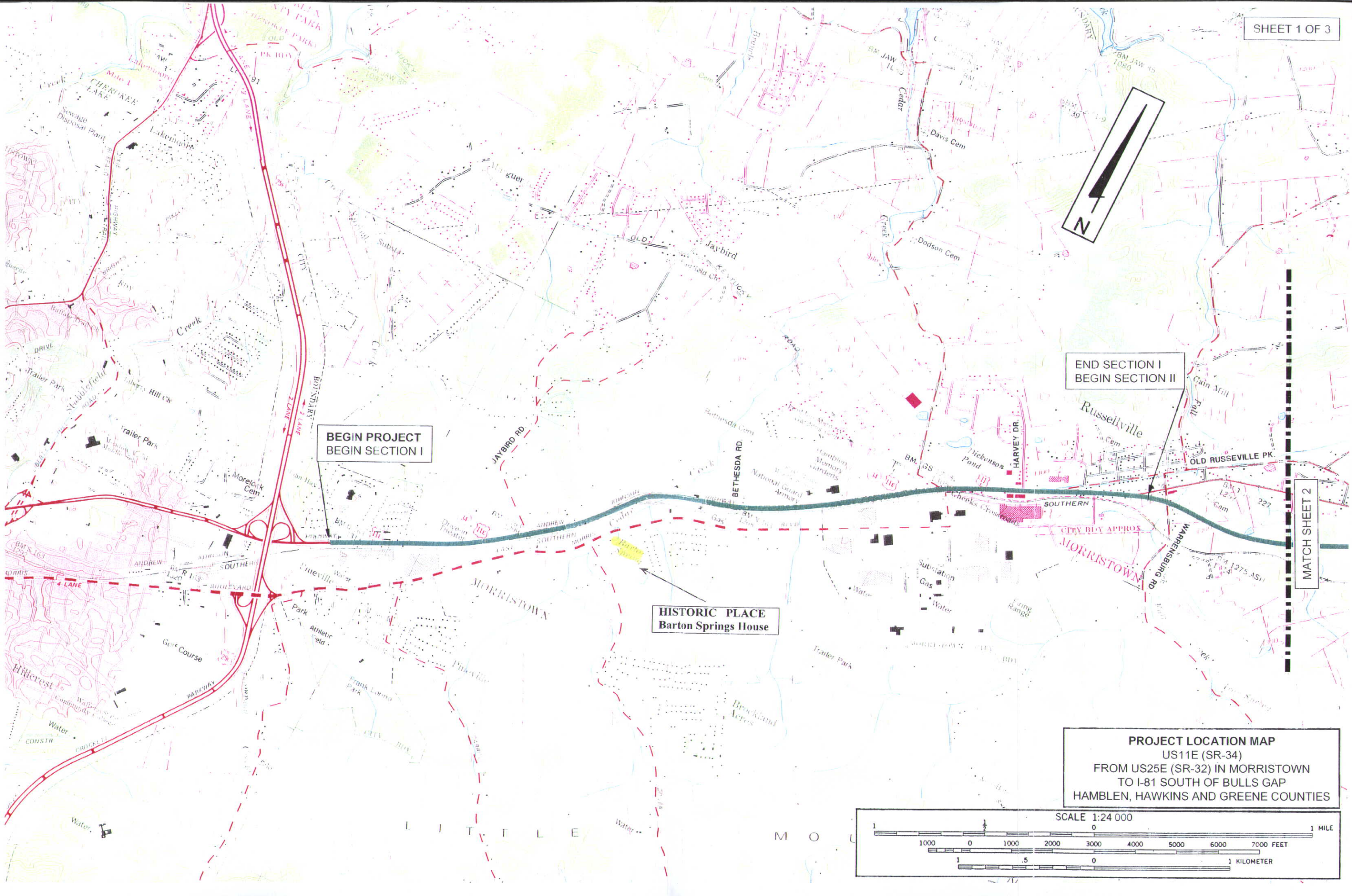
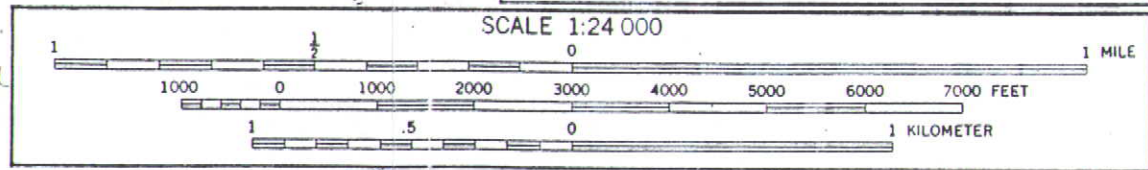
BEGIN PROJECT
BEGIN SECTION I

END SECTION I
BEGIN SECTION II

MATCH SHEET 2

HISTORIC PLACE
Barton Springs House

PROJECT LOCATION MAP
US11E (SR-34)
FROM US25E (SR-32) IN MORRISTOWN
TO I-81 SOUTH OF BULLS GAP
HAMBLLEN, HAWKINS AND GREENE COUNTIES





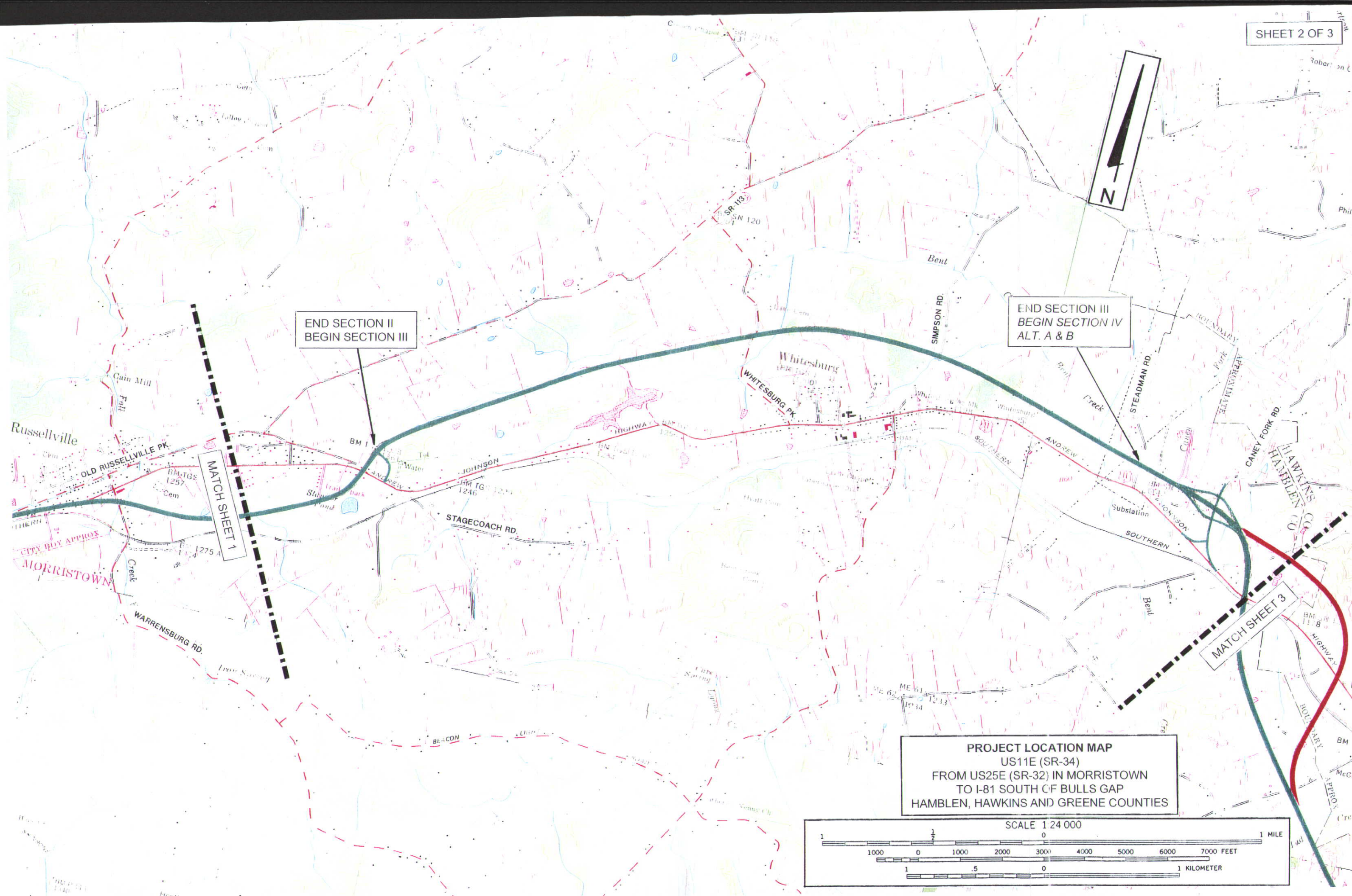
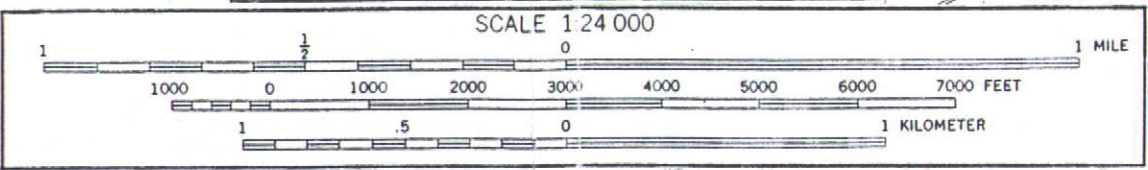
END SECTION II
BEGIN SECTION III

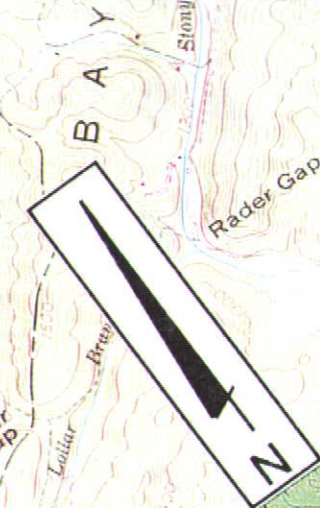
END SECTION III
BEGIN SECTION IV
ALT. A & B

MATCH SHEET 1

MATCH SHEET 3

PROJECT LOCATION MAP
US11E (SR-34)
FROM US25E (SR-32) IN MORRISTOWN
TO I-81 SOUTH OF BULLS GAP
HAMBLEN, HAWKINS AND GREENE COUNTIES





HAWKINS
HAMBLEN

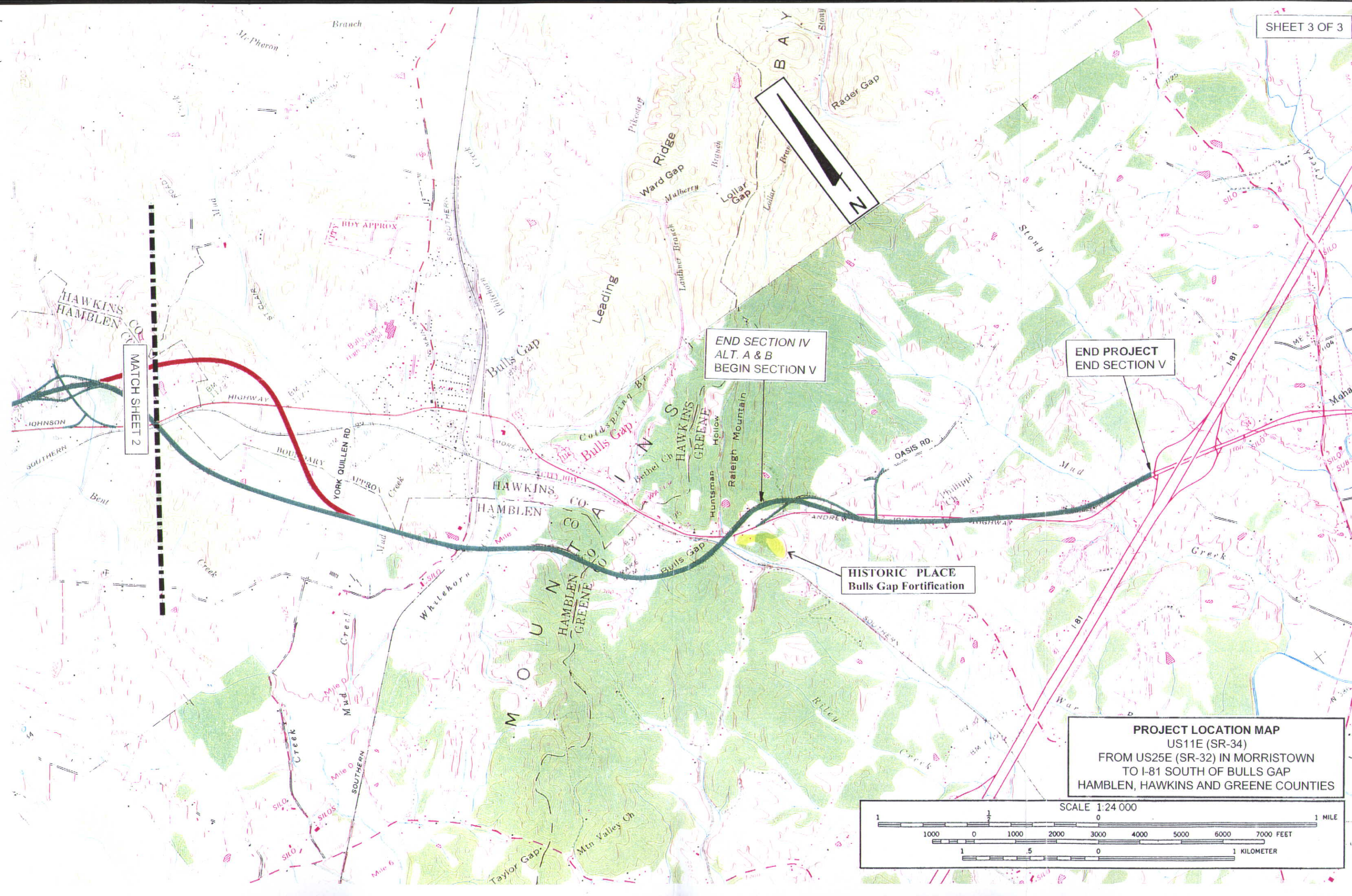
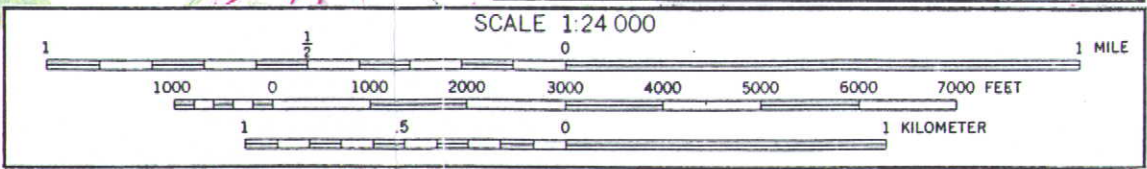
MATCH SHEET 2

END SECTION IV
ALT. A & B
BEGIN SECTION V

END PROJECT
END SECTION V

HISTORIC PLACE
Bulls Gap Fortification

PROJECT LOCATION MAP
US11E (SR-34)
FROM US25E (SR-32) IN MORRISTOWN
TO I-81 SOUTH OF BULLS GAP
HAMBLEN, HAWKINS AND GREENE COUNTIES



DATA TABLE
STATE ROUTE 34

Item	Existing
Functional Class	Rural Minor Arterial
System Class	Surface Transportation Program
Length (Miles)	14.07
Cross Section (Feet)	Varies 22/30/60 - 2@25/95/250
Present ADT (2003)	11,930
Future ADT (2023)	19,050
DHV (11% ADT)	2,096
% Trucks (DHV)	8
Estimated Right-of-Way Acquisition (acres)	
Estimated Right-of-Way Tracts Affected	
Estimated Family Displacement	
Estimated Business Displacement	
Estimated Non-Profit Displacement	
Estimated Right-of-Way Cost	
Estimated Utility Cost Reimbursable	
Estimated Utility Cost Non-Reimbursable	
Estimated Construction Cost	
Estimated Preliminary Engineering Cost	-
Total Estimated Project Cost	

DATA TABLE
STATE ROUTE 34
SECTION I

Item	Proposed
Functional Class	Urban Minor Arterial
System Class	Surface Transportation Program
Length (Miles)	3.6
Cross Section (Feet)	48/84/104
Present ADT (2003)	17,900
Future ADT (2023)	28,600
DHV (11% ADT)	3,146
% Trucks (DHV)	8
Estimated Right-of-Way Acquisition (acres)	17.04
Estimated Right-of-Way Tracts Affected	70
Estimated Family Displacement	18
Estimated Business Displacement	27
Estimated Non-Profit Displacement	0
Estimated Right-of-Way Cost	\$ 6,815,000
Estimated Utility Cost Reimbursable	\$ 515,000
Estimated Utility Cost Non-Reimbursable	\$ 2,900,000
Estimated Construction Cost	\$ 8,710,000
Estimated Preliminary Engineering Cost	\$ 790,000
Total Estimated Section Cost	\$ 19,730,000

DATA TABLE
STATE ROUTE 34,
SECTION II

Item	Proposed
Functional Class	Rural Minor Arterial
System Class	Surface Transportation Program
Length (Miles)	1.4
Cross Section (Feet)	48/120/300
Present ADT (2003)	14,900
Future ADT (2023)	23,800
DHV (11% ADT)	2,618
% Trucks (DHV)	8
Estimated Right-of-Way Acquisition (acres)	44.77
Estimated Right-of-Way Tracts Affected	20
Estimated Family Displacement	10
Estimated Business Displacement	6
Estimated Non-Profit Displacement	0
Estimated Right-of-Way Cost	\$ 2,425,000
Estimated Utility Cost Reimbursable	\$ N/A
Estimated Utility Cost Non-Reimbursable	\$ 90,000
Estimated Construction Cost	\$ 5,510,000
Estimated Preliminary Engineering Cost	\$ 500,000
Total Estimated Section Cost	\$ 8,525,000

DATA TABLE
STATE ROUTE 34
SECTION III

Item	Proposed
Functional Class	Rural Minor Arterial
System Class	Surface Transportation Program
Length (Miles)	3.7
Cross Section (Feet)	48/120/300
Present ADT (2003)	7,150
Future ADT (2023)	11,400
DHV (11% ADT)	1,254
% Trucks (DHV)	8
Estimated Right-of-Way Acquisition (acres)	99.10
Estimated Right-of-Way Tracts Affected	16
Estimated Family Displacement	5
Estimated Business Displacement	0
Estimated Non-Profit Displacement	0
Estimated Right-of-Way Cost	\$ 1,350,000
Estimated Utility Cost Reimbursable	\$ 15,000
Estimated Utility Cost Non-Reimbursable	\$ 90,000
Estimated Construction Cost	\$ 13,865,000
Estimated Preliminary Engineering Cost	\$ 1,260,000
Total Estimated Section Cost	\$ 16,580,000

DATA TABLE
STATE ROUTE 34
SECTION IV, ALTERNATE A

Item	Proposed
Functional Class	Rural Minor Arterial
System Class	Surface Transportation Program
Length (Miles)	3.8
Cross Section (Feet)	48/120/300
Present ADT (2003)	7,150
Future ADT (2023)	11,400
DHV (11% ADT)	1,254
% Trucks (DHV)	8
Estimated Right-of-Way Acquisition (acres)	173.85
Estimated Right-of-Way Tracts Affected	45
Estimated Family Displacement	18
Estimated Business Displacement	1
Estimated Non-Profit Displacement	0
Estimated Right-of-Way Cost	\$ 3,375,000
Estimated Utility Cost Reimbursable	\$ 240,000
Estimated Utility Cost Non-Reimbursable	\$ 170,000
Estimated Construction Cost	\$ 26,355,000
Estimated Preliminary Engineering Cost	\$ 2,395,000
Total Estimated Section Cost	\$ 32,535,000

DATA TABLE
STATE ROUTE 34
SECTION IV, ALTERNATE B

Item	Proposed
Functional Class	Rural Minor Arterial
System Class	Surface Transportation Program
Length (Miles)	4.0
Cross Section (Feet)	48/120/300
Present ADT (2003)	7,150
Future ADT (2023)	11,400
DHV (11% ADT)	1,254
% Trucks (DHV)	8
Estimated Right-of-Way Acquisition (acres)	184.43
Estimated Right-of-Way Tracts Affected	38
Estimated Family Displacement	11
Estimated Business Displacement	1
Estimated Non-Profit Displacement	0
Estimated Right-of-Way Cost	\$ 2,810,000
Estimated Utility Cost Reimbursable	\$ 235,000
Estimated Utility Cost Non-Reimbursable	\$ 150,000
Estimated Construction Cost	\$ 27,379,000
Estimated Preliminary Engineering Cost	\$ 2,490,000
Total Estimated Section Cost	\$ 33,064,000

DATA TABLE
STATE ROUTE 34,
SECTION V

Item	Proposed
Functional Class	Rural Minor Arterial
System Class	Surface Transportation Program
Length (Miles)	1.7
Cross Section (Feet)	48/84/104
Present ADT (2003)	7,750
Future ADT (2023)	12,400
DHV (11% ADT)	1,364
% Trucks (DHV)	8
Estimated Right-of-Way Acquisition (acres)	53.82
Estimated Right-of-Way Tracts Affected	31
Estimated Family Displacement	15
Estimated Business Displacement	2
Estimated Non-Profit Displacement	0
Estimated Right-of-Way Cost	\$ 3,535,000
Estimated Utility Cost Reimbursable	\$ 315,000
Estimated Utility Cost Non-Reimbursable	\$ 635,000
Estimated Construction Cost	\$ 8,040,000
Estimated Preliminary Engineering Cost	\$ 730,000
Total Estimated Section Cost	\$ 13,255,000

DATA TABLE
STATE ROUTE 34
TOTAL
ALTERNATE A

Item	Proposed
Functional Class	Urban/Rural Minor Arterial
System Class	Surface Transportation Program
Length (Miles)	14.2
Cross Section (Feet)	Varies 48/84/104 - 48/120/300
Present ADT (2003)	7,150 – 17,900
Future ADT (2023)	11,400 – 28,600
DHV (11% ADT)	1,254 – 3,146
% Trucks (DHV)	8
Estimated Right-of-Way Acquisition (acres)	388.58
Estimated Right-of-Way Tracts Affected	182
Estimated Family Displacement	66
Estimated Business Displacement	36
Estimated Non-Profit Displacement	0
Estimated Right-of-Way Cost	17,500,000
Estimated Utility Cost Reimbursable	1,085,000
Estimated Utility Cost Non-Reimbursable	3,885,000
Estimated Construction Cost	62,480,000
Estimated Preliminary Engineering Cost	5,675,000
Total Estimated Project Cost	90,625,000

DATA TABLE
STATE ROUTE 34
TOTAL
ALTERNATE B

Item	Proposed
Functional Class	Urban/Rural Minor Arterial
System Class	Surface Transportation Program
Length (Miles)	14.4
Cross Section (Feet)	Varies 48/84/104 - 48/120/300
Present ADT (2003)	7,150 – 17,900
Future ADT (2023)	11,400 – 28,600
DHV (11% ADT)	1,254 – 3,146
% Trucks (DHV)	8
Estimated Right-of-Way Acquisition (acres)	399.16
Estimated Right-of-Way Tracts Affected	175
Estimated Family Displacement	59
Estimated Business Displacement	36
Estimated Non-Profit Displacement	0
Estimated Right-of-Way Cost	16,935,000
Estimated Utility Cost Reimbursable	1,080,000
Estimated Utility Cost Non-Reimbursable	3,865,000
Estimated Construction Cost	63,504,000
Estimated Preliminary Engineering Cost	5,770,000
Total Estimated Project Cost	91,154,000

PURPOSE OF STUDY

The purpose of this study is to examine the existing conditions and determine the feasibility of improving US 11E (State Route 34) from US 25E (State Route 32) in Morristown, Hamblen County to Interstate 81 South of Bulls Gap, Green County. The objectives of this study are to evaluate the existing deficiencies, develop recommendations for improvement, estimate the cost of project implementation and identify the preliminary environmental concerns. This study was initiated in response to the request of State Representative Stancil Ford.

EXISTING CONDITIONS AND DEFICIENCIES

State Route 34 is functionally classified as Urban/Rural Minor Arterial. This roadway connects US 25E (State Route 32) and Interstate 81. Traffic on this two-lane arterial with high percentage of trucks has increased congestion and number of accidents on the existing road system.

There are two (2) historic properties listed in the National Register of Historic Places. There are the Barton Springs House, located near Morristown in Hamblen County, and the Bulls Gap Fortification located in Greene County.

Geometrics X Structures X Operational X Railroad Crossing X

Horizontals X Verticals X Stopping Sight Distance _____

Accident Rate (accidents per million vehicle miles traveled) 2.67 urban section, 0.59 rural section

Statewide Average Accident Rate 3.32 urban two lane highway, 1.77 rural two lane highway

Other Level of Service (LOS) for existing system is E

PROPOSED IMPROVEMENT

The proposed improvement consists of constructing 8.9 miles of four-lane roadway on new location, and widening the remaining 5.3 miles along the existing alignment. This project has been divided into five- (5) study sections for planning and funding purposes. Sections I and V will follow the existing route while sections II, III, and IV will be on new location. The roadway typical section for Section I will consist of four traffic lanes, continuous turn lane, shoulders including curbs and gutters and utility strips within a 104' right-of-way. The remainder of the project will have four lanes, 48' median, shoulders and ditches as required with an approximate 300' right-of-way.

It is proposed to by-pass the Russellville community to the South and then cross the present road east of Russellville. A one-quadrant interchange is proposed at this crossing. The Whitesburg community will be by-passed to the north. Existing State Route 34 (US 11E) will be relocated into Caney Fork Road just west of the Hawkins-Hamblen County line and an interchange provided at the relocation of new State Route 34 (US 11E). Bulls Gap will be by-passed to the southwest with two (2) alternate alignments. An interchange will be provided south of the Hawkins-Greene County line.

Partial access controlled right-of-way is proposed for Sections II, III and IVA/IVB. Access will be provided at all the above-described interchanges and by at-grade intersection at all county roads. Sections I and V will not have access control.

CAPACITY ANALYSIS AND LEVEL OF SERVICE

Capacity analysis is the study of a highway facility and its ability to carry traffic. It is a measure of the supply side of transportation facilities.

Level of service (LOS) is a measure of the quality of flow. Level of service is defined as those operational conditions within a traffic stream as perceived by users of the traffic facility. The concept of level of service uses qualitative factors such as, speed and travel time, delay, freedom to maneuver, traffic interruptions, comfort and convenience, and safety. The six level of service are designated by letters, A to F with level of service A representing the best operating conditions and F the worst.

For comparison, operational analyses utilizing present (2003) and design year (2023) design hourly volumes (DHV) were conducted on the existing and proposed conditions. The results of the analysis for the proposed conditions indicate an improved traffic stream in the base year (2003) and design year (2023) as well. The results are as follows:

STATE ROUTE 34	LEVEL OF SERVICE	
	2003	2023
EXISTING CONDITIONS	E	F
PROPOSED CONDITIONS Section I Sections II, III, IV, and V	B/A* A/A	C/B B/A

* Highway Capacity Software (HCS) used for capacity analysis uses a bi-directional calculation for LOS on multilane highways

INTELLIGENT TRANSPORTATION SYSTEMS (ITS)

There are no ITS recommendations that can be implemented with the proposed project at this time.

DISPOSITION OF EXISTING ROUTE

A portion of proposed project (8.9 miles) is on new location. Upon completion of this proposed project the portion of the existing State Route 34 from near Warrensburg Road to near Oasis Road will be removed from the State Highway System and will become the responsibility of local county and/or city government. The proposed State Route & Functional Classification Revisions are shown on the map.

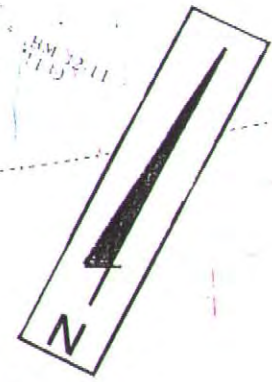
FIELD REVIEW TEAM

The following Department Personnel held a field review of this study on Friday, May 8, 1998:

Charles Graves	Special Design and Estimates
Bill Hart	Facilities Planning
Steve Hylton	Special Design and Estimates
Jack Lindsey	Region I, Surveying Design
Jeff Turner	Region I, Surveying Design

PROPOSED STATE ROUTE & FUNCTIONAL CLASSIFICATION REVISIONS, SR-34 (US 11E) HAMBLLEN, HAWKINS, & GREENE COUNTIES

- NEW SR-34 - URBAN PRINCIPAL ARTERIAL
- NEW SR-34 - RURAL MINOR ARTERIAL
- SECTION OF OLD SR-34 DELETED FROM STATE HWY. SYSTEM - WILL BECOME LOCAL ROAD
- SECTION OF OLD SR-34 DELETED FROM STATE HWY. SYSTEM - WILL BECOME RURAL MINOR COLLECTOR
- SECTION OF OLD SR-34 TO BE RENUMBERED AS SR-66 - RURAL MINOR ARTERIAL

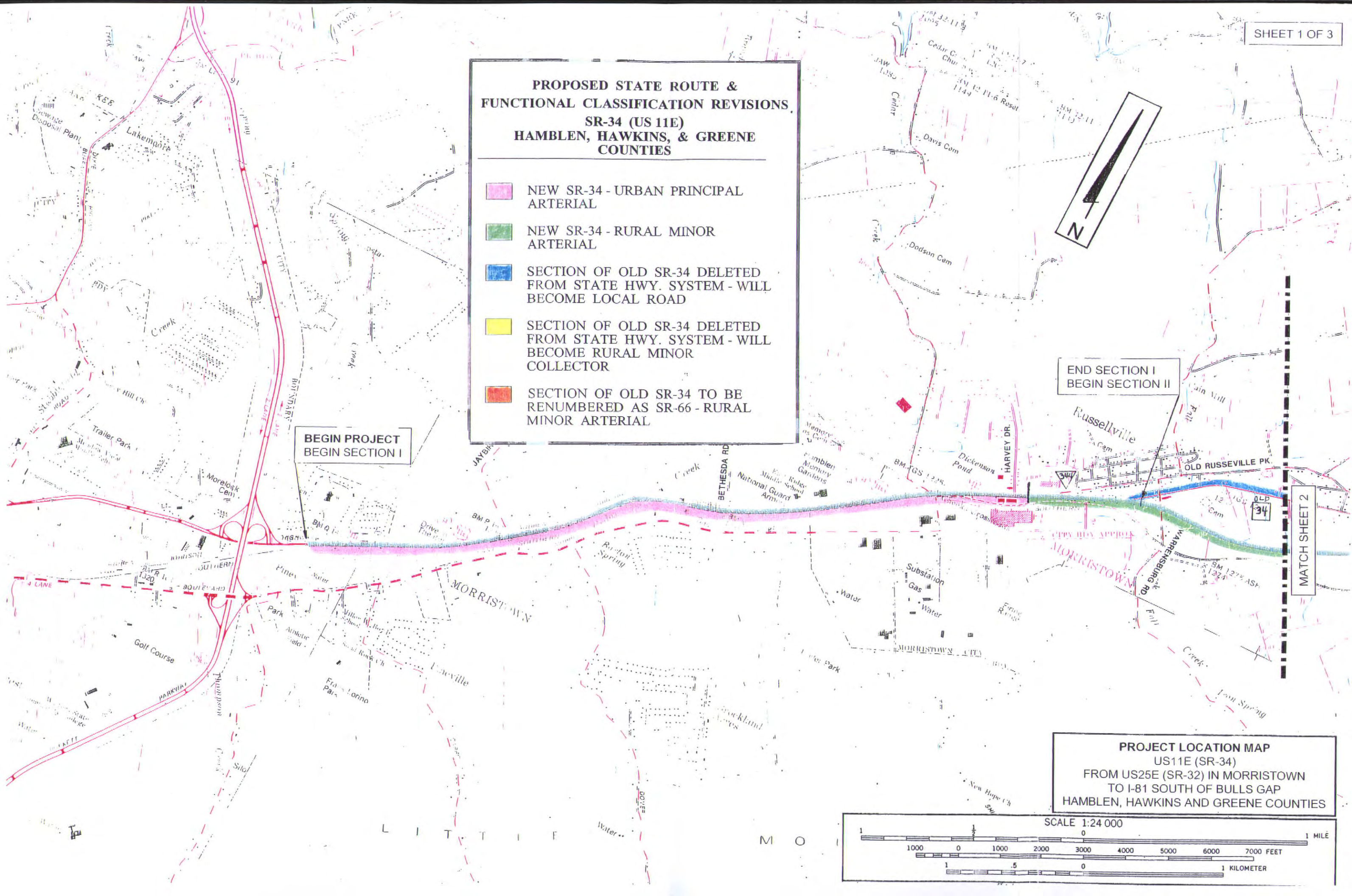
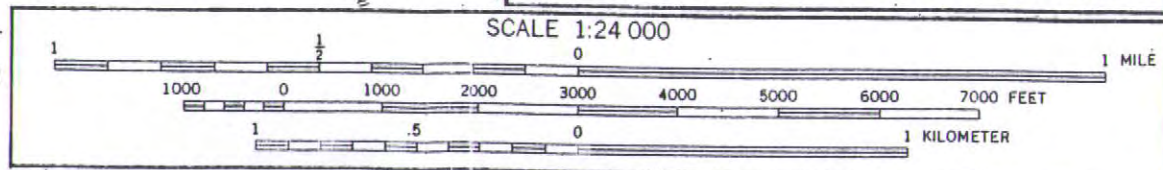


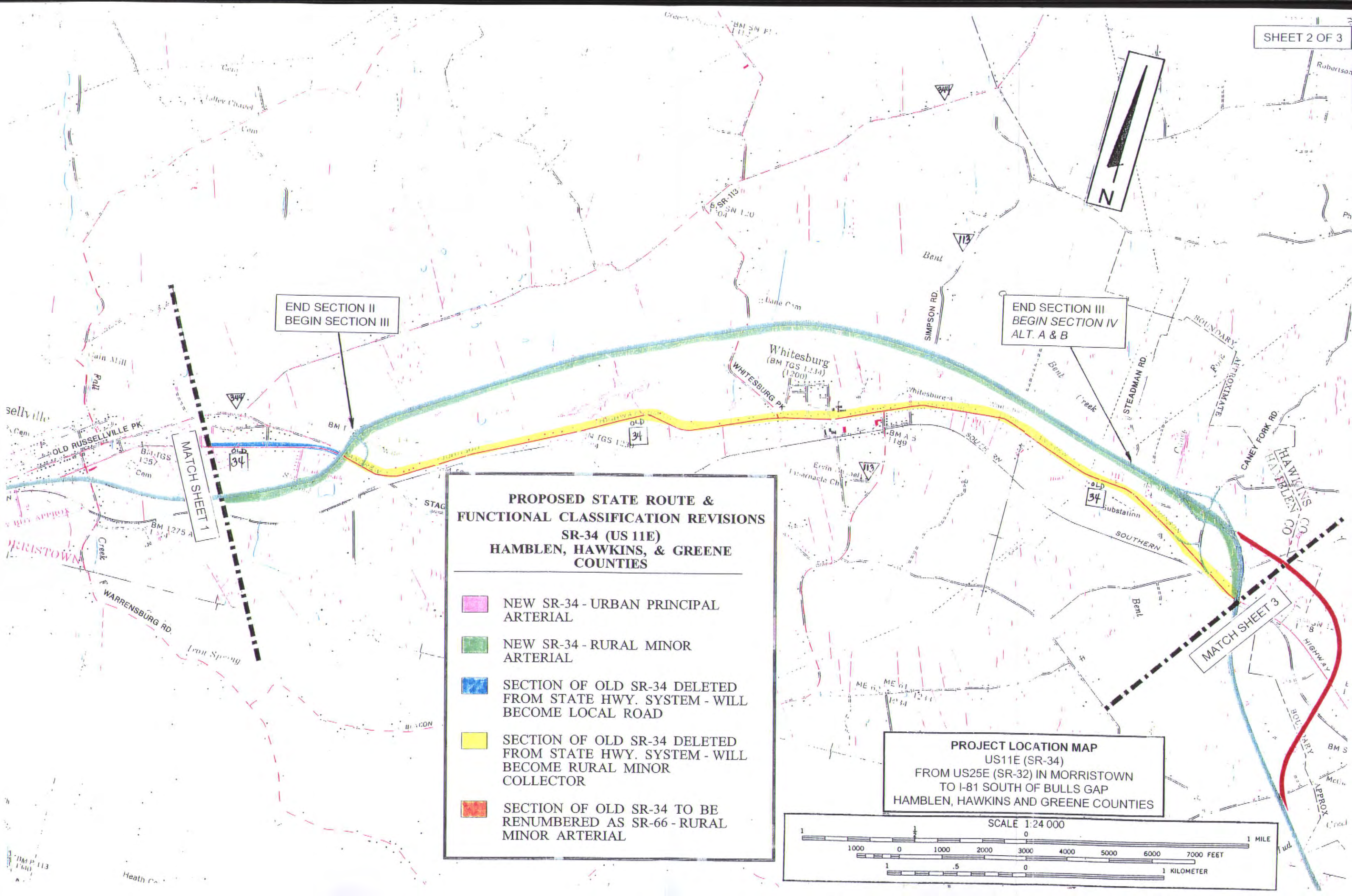
BEGIN PROJECT
BEGIN SECTION I

END SECTION I
BEGIN SECTION II

MATCH SHEET 2

PROJECT LOCATION MAP
US11E (SR-34)
FROM US25E (SR-32) IN MORRISTOWN
TO I-81 SOUTH OF BULLS GAP
HAMBLLEN, HAWKINS AND GREENE COUNTIES





END SECTION II
BEGIN SECTION III

END SECTION III
BEGIN SECTION IV
ALT. A & B

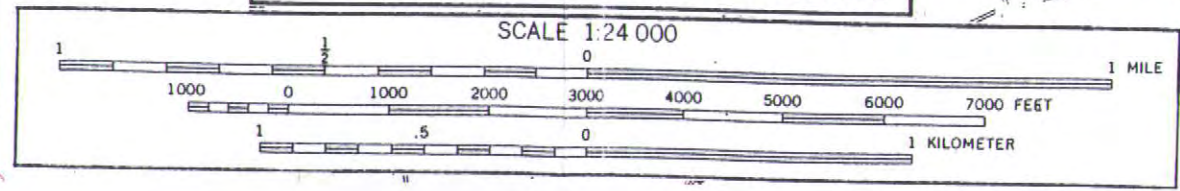
MATCH SHEET 1

MATCH SHEET 3






**PROPOSED STATE ROUTE & FUNCTIONAL CLASSIFICATION REVISIONS
SR-34 (US 11E)
HAMBLLEN, HAWKINS, & GREENE
COUNTIES**

- NEW SR-34 - URBAN PRINCIPAL ARTERIAL
- NEW SR-34 - RURAL MINOR ARTERIAL
- SECTION OF OLD SR-34 DELETED FROM STATE HWY. SYSTEM - WILL BECOME LOCAL ROAD
- SECTION OF OLD SR-34 DELETED FROM STATE HWY. SYSTEM - WILL BECOME RURAL MINOR COLLECTOR
- SECTION OF OLD SR-34 TO BE RENUMBERED AS SR-66 - RURAL MINOR ARTERIAL

PROJECT LOCATION MAP
US11E (SR-34)
FROM US25E (SR-32) IN MORRISTOWN
TO I-81 SOUTH OF BULLS GAP
HAMBLLEN, HAWKINS AND GREENE COUNTIES



PROPOSED STATE ROUTE & FUNCTIONAL CLASSIFICATION REVISIONS
SR-34 (US 11E)
HAMBLEN, HAWKINS, & GREENE COUNTIES

-  NEW SR-34 - URBAN PRINCIPAL ARTERIAL
-  NEW SR-34 - RURAL MINOR ARTERIAL
-  SECTION OF OLD SR-34 DELETED FROM STATE HWY. SYSTEM - WILL BECOME LOCAL ROAD
-  SECTION OF OLD SR-34 DELETED FROM STATE HWY. SYSTEM - WILL BECOME RURAL MINOR COLLECTOR
-  SECTION OF OLD SR-34 TO BE RENUMBERED AS SR-66 - RURAL MINOR ARTERIAL

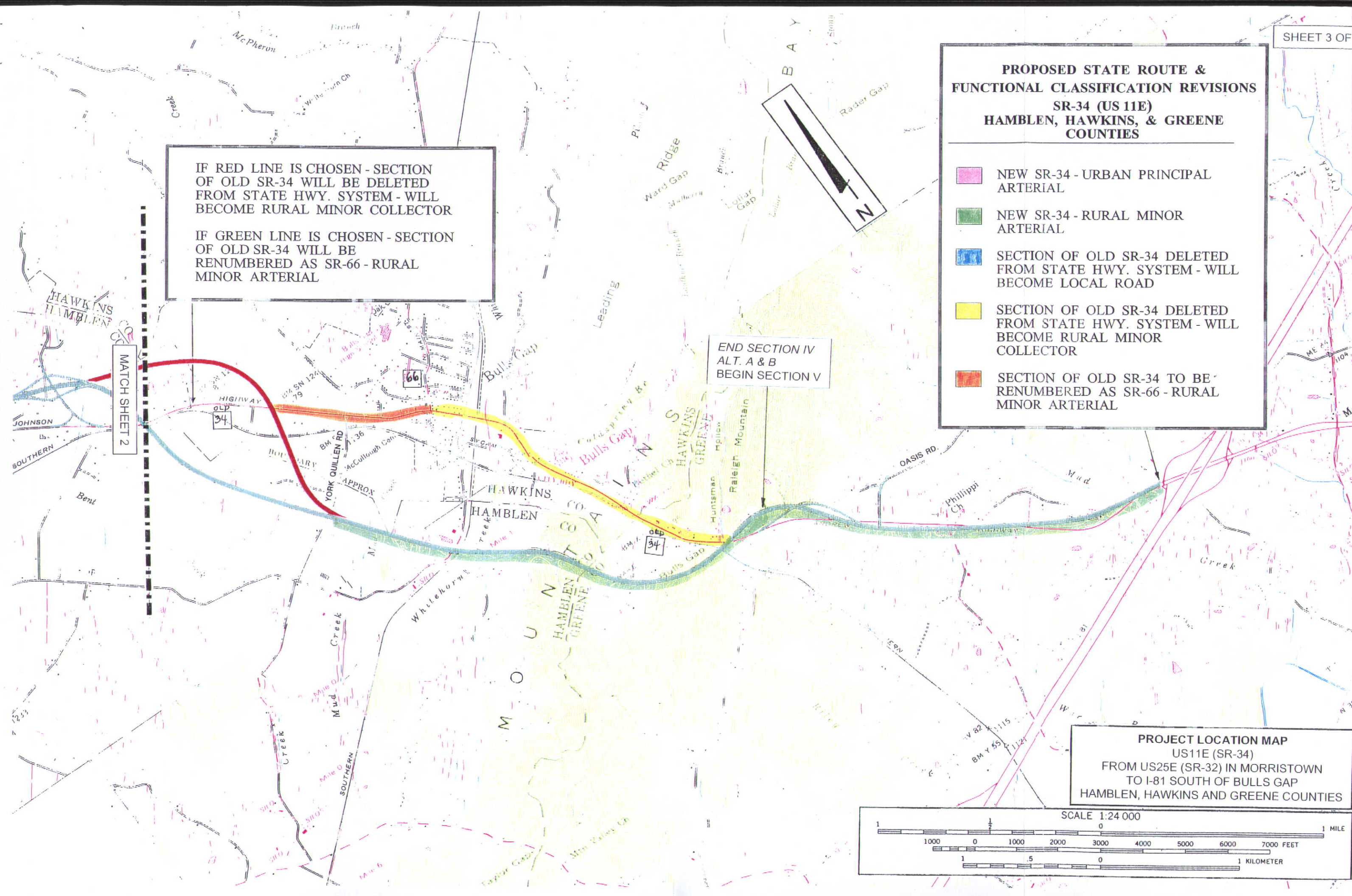
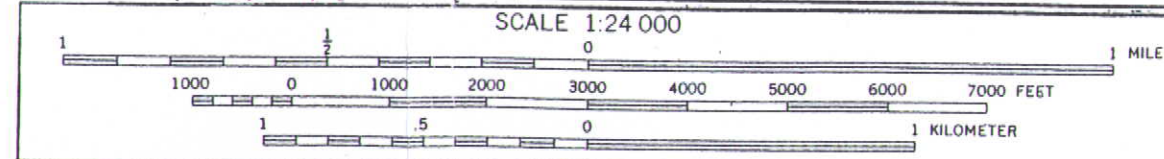
IF RED LINE IS CHOSEN - SECTION OF OLD SR-34 WILL BE DELETED FROM STATE HWY. SYSTEM - WILL BECOME RURAL MINOR COLLECTOR

IF GREEN LINE IS CHOSEN - SECTION OF OLD SR-34 WILL BE RENUMBERED AS SR-66 - RURAL MINOR ARTERIAL

END SECTION IV
 ALT. A & B
 BEGIN SECTION V

MATCH SHEET 2

PROJECT LOCATION MAP
 US11E (SR-34)
 FROM US25E (SR-32) IN MORRISTOWN
 TO I-81 SOUTH OF BULLS GAP
 HAMBLEN, HAWKINS AND GREENE COUNTIES



CHECK LIST OF DETERMINANTS FOR LOCATION STUDY

If preliminary field reviews indicate the presence of any of the following facilities or ESE categories, place an "X" in the blank opposite the items. Where more than one alternate is to be considered, place its letter designation in the blank.

1.	Agricultural land usage	X
2.	Airport (existing or proposed)	
3.	Commercial area, shopping center	X
4.	Floodplains	
5.	Forested land	
6.	Historical, archaeological, cultural or natural landmark, or cemeteries	X*
7.	Industrial park, factory	X
8.	Institutional usages	
	a. School or other educational institution	
	b. Church or other religious institution	
	c. Hospital or other medical facility	
	d. Public building, e.g. fire station	
	e. Defense installation	
9.	Recreational usages	
	a. Park or recreational area, State Natural Area	
	b. Wildlife refuge or wildlife management area	
10.	Residential establishment	X
11.	Urban area, town, city, or community	X**
12.	Waterway, lake, pond, river, stream, spring, wetland	X
	Permit required: Coast Guard	
	Section 404	
	Section 10	
	TVA Section 26a review	
	NPDES	
	Aquatic Resource Alteration Permit	X
	Class V Injection Wells	
13.	Location coordinated with local officials	
14.	Railroad Crossings	X
15.	Hazardous Material Site (U.S.T.)	X
16.	Other	

* Burton Springs House and Bulls Gap Fortification

** Morristown, population 22,229

TENNESSEE DEPARTMENT OF TRANSPORTATION
DESIGN CRITERIA FOR LOCATION AND DESIGN PHASE

ROUTE	SR-34	ALTERNATE	N/A
SECTION	I	REGION	I
COUNTY	HAMBLEN	PROJECT No.	

LOCATION

From	U.S. 25E (State Route 32) in Morristown
To	Near Warrensburg Road

PARAMETER	CRITERIA
2003 ADT	17,900
2023 ADT	28,600
PERCENT TRUCKS (DHV)	8
DHV (11% ADT 2023)	3,146
FUNCTIONAL CLASSIFICATION	Urban Minor Arterial
MINIMUM DESIGN SPEED	50 mph
ACCESS CONTROL	N/A
MAXIMUM CURVE	6° 00' S.E. = 4%
MAXIMUM GRADE	6%
MINIMUM STOPPING S.DISTANCE	400' - 475'
SURFACE WIDTH	2 @ 24'
NUMBER OF LANES	4
USABLE SHOULDER WIDTH	2 @ 12'
MEDIAN WIDTH	12' Turn Lane
MINIMUM RIGHT OF WAY	104' *
SIGNALIZATION	Modification @ Jaybird Rd.

REMARKS :

* Easement will be required outside the right-of-way

TENNESSEE DEPARTMENT OF TRANSPORTATION
DESIGN CRITERIA FOR LOCATION AND DESIGN PHASE

ROUTE	SR-34	ALTERNATE	N/A
SECTION	II	REGION	I
COUNTY	HAMBLEN	PROJECT No.	

LOCATION

From	Near Warrensburg Road
To	Just West of Old Stagecoach Road in Russellville

PARAMETER	CRITERIA
2003 ADT	14,900
2023 ADT	23,800
PERCENT TRUCKS (DHV)	8
DHV (11% ADT 2023)	2,618
FUNCTIONAL CLASSIFICATION	Rural Minor Arterial
MINIMUM DESIGN SPEED	70 mph
ACCESS CONTROL	N/A
MAXIMUM CURVE	3° 00'
MAXIMUM GRADE	3%
MINIMUM STOPPING S.DISTANCE	625' – 850'
SURFACE WIDTH	2 @ 24'
NUMBER OF LANES	4
USABLE SHOULDER WIDTH	2 @ 12'
MEDIAN WIDTH	48'
MINIMUM RIGHT OF WAY	300
SIGNALIZATION	N/A.

REMARKS :

* Easement will be required outside the right-of-way

TENNESSEE DEPARTMENT OF TRANSPORTATION
DESIGN CRITERIA FOR LOCATION AND DESIGN PHASE

ROUTE	SR-34	ALTERNATE	N/A
SECTION	III	REGION	I
COUNTY	HAMBLEN	PROJECT No.	

LOCATION

From	Just West of Old Stagecoach Road in Russellville
To	Steadman Road

PARAMETER	CRITERIA
2003 ADT	7,150
2023 ADT	11,400
PERCENT TRUCKS (DHV)	8
DHV (11% ADT 2023)	1,254
FUNCTIONAL CLASSIFICATION	Rural Minor Arterial
MINIMUM DESIGN SPEED	70 mph
ACCESS CONTROL	N/A
MAXIMUM CURVE	3° 00'
MAXIMUM GRADE	3%
MINIMUM STOPPING S.DISTANCE	625' – 850'
SURFACE WIDTH	2 @ 24'
NUMBER OF LANES	4
USABLE SHOULDER WIDTH	2 @ 12'
MEDIAN WIDTH	48'
MINIMUM RIGHT OF WAY	300
SIGNALIZATION	N/A.

REMARKS :

* Easement will be required outside the right-of-way

TENNESSEE DEPARTMENT OF TRANSPORTATION
DESIGN CRITERIA FOR LOCATION AND DESIGN PHASE

ROUTE	SR-34	ALTERNATE	A
SECTION	IV	REGION	I
COUNTY	HAWKINS	PROJECT No.	

LOCATION

From	Steadman Road
To	Near Oasis Road

PARAMETER	CRITERIA
2003 ADT	7,150
2023 ADT	11,400
PERCENT TRUCKS (DHV)	8
DHV (11% ADT 2023)	1,254
FUNCTIONAL CLASSIFICATION	Rural Minor Arterial
MINIMUM DESIGN SPEED	70 mph
ACCESS CONTROL	N/A
MAXIMUM CURVE	3° 00'
MAXIMUM GRADE	3%
MINIMUM STOPPING S.DISTANCE	625' – 850'
SURFACE WIDTH	2 @ 24'
NUMBER OF LANES	4
USABLE SHOULDER WIDTH	2 @ 12'
MEDIAN WIDTH	48'
MINIMUM RIGHT OF WAY	300
SIGNALIZATION	N/A.

REMARKS :

* Easement will be required outside the right-of-way

TENNESSEE DEPARTMENT OF TRANSPORTATION
DESIGN CRITERIA FOR LOCATION AND DESIGN PHASE

ROUTE	SR-34	ALTERNATE	B
SECTION	IV	REGION	I
COUNTY	HAWKINS	PROJECT No.	

LOCATION

From	Steadman Road
To	Near Oasis Road

PARAMETER	CRITERIA
2003 ADT	7,150
2023 ADT	11,400
PERCENT TRUCKS (DHV)	8
DHV (11% ADT 2023)	1,254
FUNCTIONAL CLASSIFICATION	Rural Minor Arterial
MINIMUM DESIGN SPEED	70 mph
ACCESS CONTROL	N/A
MAXIMUM CURVE	3° 00'
MAXIMUM GRADE	3%
MINIMUM STOPPING S.DISTANCE	625' – 850'
SURFACE WIDTH	2 @ 24'
NUMBER OF LANES	4
USABLE SHOULDER WIDTH	2 @ 12'
MEDIAN WIDTH	48'
MINIMUM RIGHT OF WAY	300
SIGNALIZATION	N/A.

REMARKS :

* Easement will be required outside the right-of-way

TENNESSEE DEPARTMENT OF TRANSPORTATION
DESIGN CRITERIA FOR LOCATION AND DESIGN PHASE

ROUTE	SR-34	ALTERNATE	N/A
SECTION	V	REGION	I
COUNTY	GREENE	PROJECT No.	

LOCATION

From	Near Oasis Road
To	Interstate 81 South of Bulls Gap

PARAMETER	CRITERIA
2003 ADT	7,750
2023 ADT	12,400
PERCENT TRUCKS (DHV)	8
DHV (11% ADT 2023)	1,364
FUNCTIONAL CLASSIFICATION	Rural Minor Arterial
MINIMUM DESIGN SPEED	70 mph
ACCESS CONTROL	N/A
MAXIMUM CURVE	3° 00'
MAXIMUM GRADE	3%
MINIMUM STOPPING S.DISTANCE	625' – 850'
SURFACE WIDTH	2 @ 24'
NUMBER OF LANES	4
USABLE SHOULDER WIDTH	2 @ 12'
MEDIAN WIDTH	48'
MINIMUM RIGHT OF WAY	300
SIGNALIZATION	N/A.

REMARKS :

* Easement will be required outside the right-of-way

COST DATA SHEET

ROUTE	SR-34	ALTERNATE	N/A
SECTION	I	REGION	I
COUNTY	HAMBLEN	LENGTH	3.6 miles

CROSS SECTION	feet	48/84/104
---------------	------	-----------

RIGHT-OF-WAY COST

Land, Improvements, and Damages (17.04 ac.)	\$	5,920,000
Incidentals (70 Tracts)	\$	234,000
Relocation Payments 18 Residences 27 Businesses 0 Non-Profits	\$	661,000
TOTAL	\$	6,815,000

UTILITY RELOCATION COST

Reimbursable (State)	\$	515,000
Non-Reimbursable (Local)	\$	2,900,000
TOTAL	\$	3,415,000

CONSTRUCTION COST

Clear and Grubbing	\$	70,000
Earthwork	\$	1,500,000
Pavement Removal	\$	80,000
Drainage (Includes Erosion Control)	\$	1,960,000
Structures (Railroad)	\$	N/A
Railroad Crossing	\$	N/A
Paving	\$	2,715,000
Retaining Walls	\$	N/A
Maintenance of Traffic	\$	370,000
Topsoil	\$	10,000
Seeding	\$	10,000
Sodding	\$	190,000
Signing	\$	10,000
Signalization	\$	60,000
Fence	\$	N/A
Guardrail	\$	5,000
Rip Rap or Slope Protection	\$	10,000
Other Construction Items (8.5%)	\$	595,000
Mobilization	\$	335,000
10% Engineering and Contingencies	\$	790,000
TOTAL CONSTRUCTION COST	\$	8,710,000
10% PRELIMINARY ENGINEERING	\$	790,000
TOTAL SECTION COST	\$	19,730,000

COST DATA SHEET

ROUTE	SR-34	ALTERNATE	N/A
SECTION	II	REGION	I
COUNTY	HAMBLLEN	LENGTH	1.4 miles

CROSS SECTION	feet	48/120/300
---------------	------	------------

RIGHT-OF-WAY COST

Land, Improvements, and Damages (44.77 ac.)	\$	2,064,000
Incidentals (20 Tracts)	\$	70,000
Relocation Payments	\$	291,000
10 Residences 6 Businesses 0 Non-Profits		
TOTAL	\$	2,425,000

UTILITY RELOCATION COST

Reimbursable (State)	\$	N/A
Non-Reimbursable (Local)	\$	90,000
TOTAL	\$	90,000

CONSTRUCTION COST

Clear and Grubbing	\$	85,000
Earthwork	\$	1,315,000
Pavement Removal	\$	455,000
Drainage (Includes Erosion Control)	\$	865,000
Structures (Railroad)	\$	N/A
Railroad Crossing	\$	N/A
Paving	\$	1,390,000
Retaining Walls	\$	N/A
Maintenance of Traffic	\$	95,000
Topsoil	\$	30,000
Seeding	\$	20,000
Sodding	\$	10,000
Signing	\$	5,000
Signalization	\$	N/A
Fence	\$	60,000
Guardrail	\$	70,000
Rip Rap or Slope Protection	\$	20,000
Other Construction Items (8.5%)	\$	370,000
Mobilization	\$	220,000
10% Engineering and Contingencies	\$	500,000
TOTAL CONSTRUCTION COST	\$	5,510,000
10% PRELIMINARY ENGINEERING	\$	500,000
TOTAL SECTION COST	\$	8,525,000

COST DATA SHEET

ROUTE	SR-34	ALTERNATE	N/A
SECTION	III	REGION	I
COUNTY	HAMBLLEN	LENGTH	3.7 miles

CROSS SECTION	feet	48/120/300
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RIGHT-OF-WAY COST

Land, Improvements, and Damages (99.10 ac.)	\$	1,182,000
Incidentals (16 Tracts)	\$	50,000
Relocation Payments	\$	118,000
5 Residences 0 Businesses 0 Non-Profits		
TOTAL	\$	1,350,000

UTILITY RELOCATION COST

Reimbursable (State)	\$	15,000
Non-Reimbursable (Local)	\$	90,000
TOTAL	\$	105,000

CONSTRUCTION COST

Clear and Grubbing	\$	205,000
Earthwork	\$	6,165,000
Pavement Removal	\$	N/A
Drainage (Includes Erosion Control)	\$	605,000
Structures (Railroad)	\$	N/A
Railroad Crossing	\$	N/A
Paving	\$	3,525,000
Retaining Walls	\$	N/A
Maintenance of Traffic	\$	205,000
Topsoil	\$	55,000
Seeding	\$	40,000
Sodding	\$	20,000
Signing	\$	5,000
Signalization	\$	N/A
Fence	\$	160,000
Guardrail	\$	175,000
Rip Rap or Slope Protection	\$	10,000
Other Construction Items (8.5%)	\$	935,000
Mobilization	\$	550,000
10% Engineering and Contingencies	\$	1,260,000
TOTAL CONSTRUCTION COST	\$	13,865,000
10% PRELIMINARY ENGINEERING	\$	1,260,000
TOTAL SECTION COST	\$	16,580,000

COST DATA SHEET

ROUTE	SR-34	ALTERNATE	A
SECTION	IV	REGION	I
COUNTY	HAWKINS	LENGTH	3.8 miles

CROSS SECTION	feet	48/120/300
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RIGHT-OF-WAY COST

Land, Improvements, and Damages (173.85 ac.)	\$	2,802,000
Incidentals (45 Tracts)	\$	144,000
Relocation Payments 18 Residences 1 Businesses 0 Non-Profits	\$	429,000
TOTAL	\$	3,357,000

UTILITY RELOCATION COST

Reimbursable (State)	\$	240,000
Non-Reimbursable (Local)	\$	170,000
TOTAL	\$	410,000

CONSTRUCTION COST

Clear and Grubbing	\$	300,000
Earthwork	\$	4,365,000
Pavement Removal	\$	10,000
Drainage (Includes Erosion Control)	\$	1,240,000
Structures (Railroad)	\$	7,035,000
Railroad Crossing	\$	N/A
Paving	\$	7,490,000
Retaining Walls	\$	N/A
Maintenance of Traffic	\$	260,000
Topsoil	\$	85,000
Seeding	\$	60,000
Sodding	\$	20,000
Signing	\$	5,000
Signalization	\$	N/A
Fence	\$	175,000
Guardrail	\$	180,000
Rip Rap or Slope Protection	\$	70,000
Other Construction Items (8.5%)	\$	1,795,000
Mobilization	\$	870,000
10% Engineering and Contingencies	\$	2,395,000
TOTAL CONSTRUCTION COST	\$	26,355,000
10% PRELIMINARY ENGINEERING	\$	2,395,000
TOTAL SECTION COST	\$	32,535,000

COST DATA SHEET

ROUTE	SR-34	ALTERNATE	B
SECTION	IV	REGION	I
COUNTY	HAWKINS	LENGTH	4.0 miles

CROSS SECTION	feet	48/120/300
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RIGHT-OF-WAY COST

Land, Improvements, and Damages (184.43 ac.)	\$	2,428,000
Incidentals (38 Tracts)	\$	118,000
Relocation Payments	\$	264,000
11 Residences 1 Businesses 0 Non-Profits		
TOTAL	\$	2,810,000

UTILITY RELOCATION COST

Reimbursable (State)	\$	235,000
Non-Reimbursable (Local)	\$	150,000
TOTAL	\$	385,000

CONSTRUCTION COST

Clear and Grubbing	\$	245,000
Earthwork	\$	5,385,000
Pavement Removal	\$	10,000
Drainage (Includes Erosion Control)	\$	1,185,000
Structures (Railroad)	\$	6,700,000
Railroad Crossing	\$	N/A
Paving	\$	7,695,000
Retaining Walls	\$	N/A
Maintenance of Traffic	\$	280,000
Topsoil	\$	90,000
Seeding	\$	65,000
Sodding	\$	20,000
Signing	\$	5,000
Signalization	\$	N/A
Fence	\$	184,000
Guardrail	\$	195,000
Rip Rap or Slope Protection	\$	70,000
Other Construction Items (8.5%)	\$	1,865,000
Mobilization	\$	895,000
10% Engineering and Contingencies	\$	2,490,000
TOTAL CONSTRUCTION COST	\$	27,379,000
10% PRELIMINARY ENGINEERING	\$	2,490,000
TOTAL SECTION COST	\$	33,064,000

COST DATA SHEET

ROUTE	SR-34	ALTERNATE	N/A
SECTION	V	REGION	I
COUNTY	GREENE	LENGTH	1.7 miles

CROSS SECTION	feet	48/84/104
---------------	------	-----------

RIGHT-OF-WAY COST

Land, Improvements, and Damages (53.82 ac.)	\$	3,058,000
Incidentals (31 Tracts)	\$	103,000
Relocation Payments 15 Residences 2 Businesses 0 Non-Profits	\$	374,000
TOTAL	\$	3,535,000

UTILITY RELOCATION COST

Reimbursable (State)	\$	315,000
Non-Reimbursable (Local)	\$	635,000
TOTAL	\$	950,000

CONSTRUCTION COST

Clear and Grubbing	\$	110,000
Earthwork	\$	2,575,000
Pavement Removal	\$	25,000
Drainage (Includes Erosion Control)	\$	505,000
Structures (Railroad)	\$	865,000
Railroad Crossing	\$	N/A
Paving	\$	2,045,000
Retaining Walls	\$	N/A
Maintenance of Traffic	\$	145,000
Topsoil	\$	45,000
Seeding	\$	35,000
Sodding	\$	10,000
Signing	\$	5,000
Signalization	\$	N/A
Fence	\$	15,000
Guardrail	\$	40,000
Rip Rap or Slope Protection	\$	30,000
Other Construction Items (8.5%)	\$	550,000
Mobilization	\$	310,000
10% Engineering and Contingencies	\$	730,000
TOTAL CONSTRUCTION COST	\$	8,040,000
10% PRELIMINARY ENGINEERING	\$	730,000
TOTAL SECTION COST	\$	13,255,000

Index of Sheets

SHEET NUMBER	SHEET TITLE
1	TITLE SHEET
2	TYPICAL SECTION
3-39	PROPOSED LAYOUT SHEETS
40-41	GENERAL LOCATION MAPS

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING AND DEVELOPMENT

HAMBLEN, HAWKINS, & GREENE COS.

S.R. 34 (U.S. 11E)

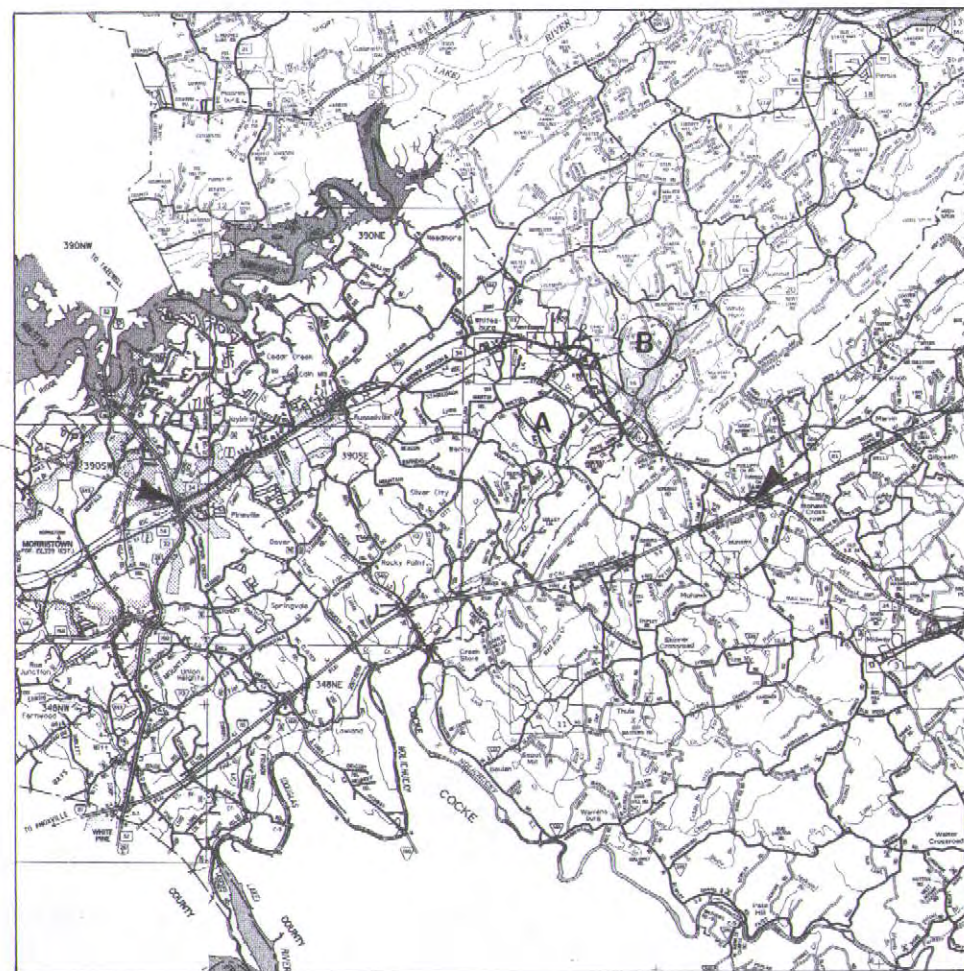
FROM S.R. 32 (U.S. 25E) IN MORRISTOWN
TO I-81 SOUTH OF BULLS GAP

STATE HIGHWAY NO. 34 F.A.H.S. NO. 11 E.

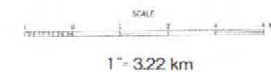
TENN.	YEAR	SHEET NO.
	1998	1
FED. AID PROJ. NO.		
STATE PROJ. NO.		



PROJECT LOCATION



END PROJECT



SPECIAL NOTES

PROPOSALS MAY BE REJECTED BY THE COMMISSIONER IF ANY OF THE UNIT PRICES CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW REASONABLE COST ANALYSIS VALUE.

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED MARCH 1, AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

SPECIAL DESIGN & ESTIMATES

SIGNER STEVE HYLTON DRAFTSMAN DAMON GORE, BILL GREEN, KEN HERRELL

TRAFFIC DATA
ADT
.ADT
DHV
D
T
V

APPROVED: _____
DIRECTOR, DESIGN DIVISION

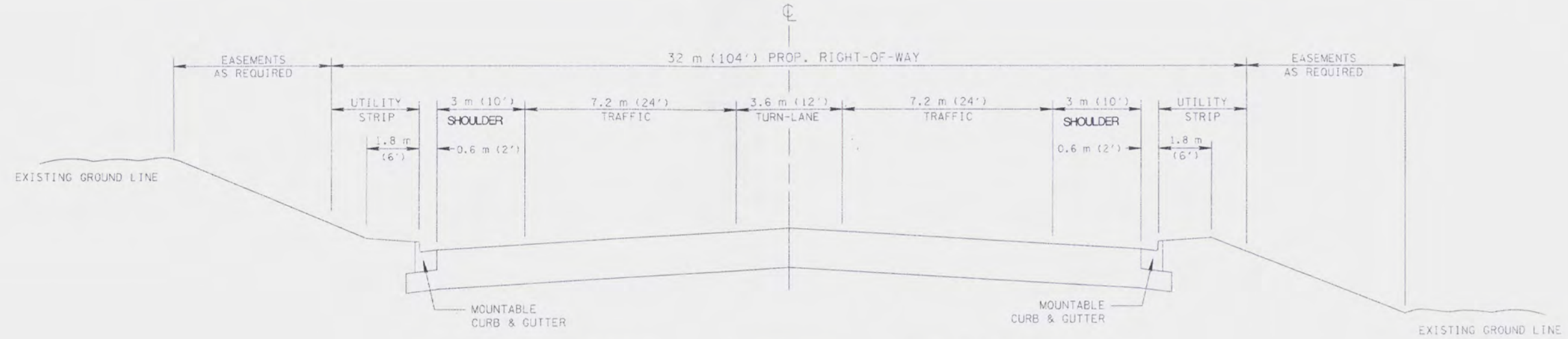
DATE _____

APPROVED: _____
COMMISSIONER

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED: _____
DIVISION ADMINISTRATOR DATE _____

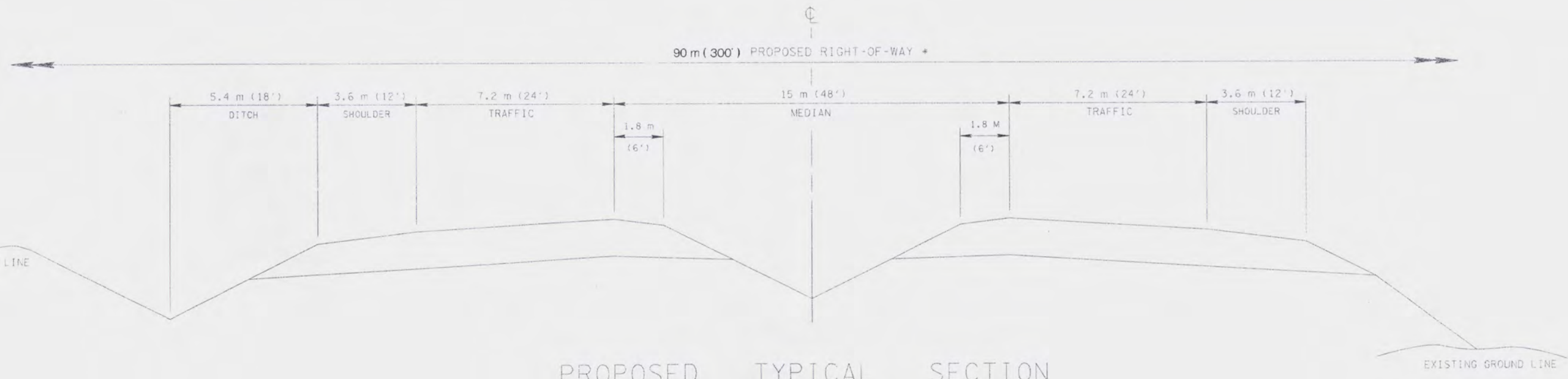
TYPE	YEAR	PROJECT NO.	SHEET NO.
			2



PROPOSED TYPICAL SECTION

FROM S.R. 32 (U.S. 25E) IN MORRISTOWN TO WARRENSBURG ROAD

* FOR ESTIMATING PURPOSES ONLY. ACTUAL RIGHT-OF-WAY WILL BE THAT WHICH IS REQUIRED FOR CONSTRUCTION OF PROJECT.

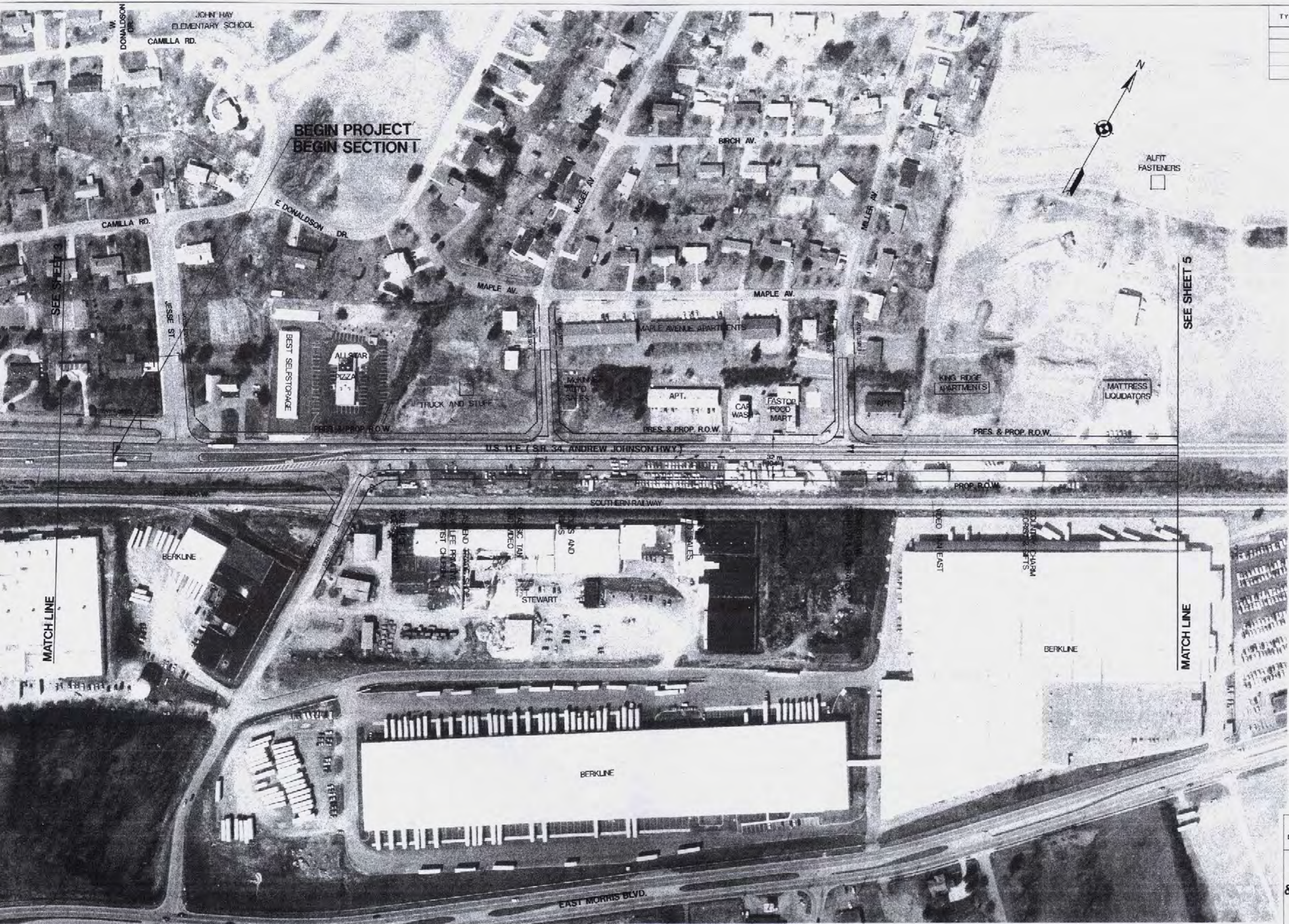


PROPOSED TYPICAL SECTION

FROM WARRENSBURG ROAD TO I-81 SOUTH OF BULLS GAP

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
 BUREAU OF PLANNING & DEVELOPMENT
 HAMBLIN, HAWKINS
 AND
 GREENE COUNTIES
 STATE ROUTE 34
 (U.S. 11E)
 NOT TO SCALE

TYPE	YEAR	PROJECT NO.	SHT. NO.
			4



BEGIN PROJECT
BEGIN SECTION I

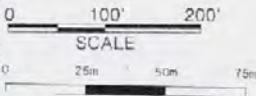
ALFIT
FASTENERS

SEE SHEET 5

SEE SHEET 3

MATCH LINE

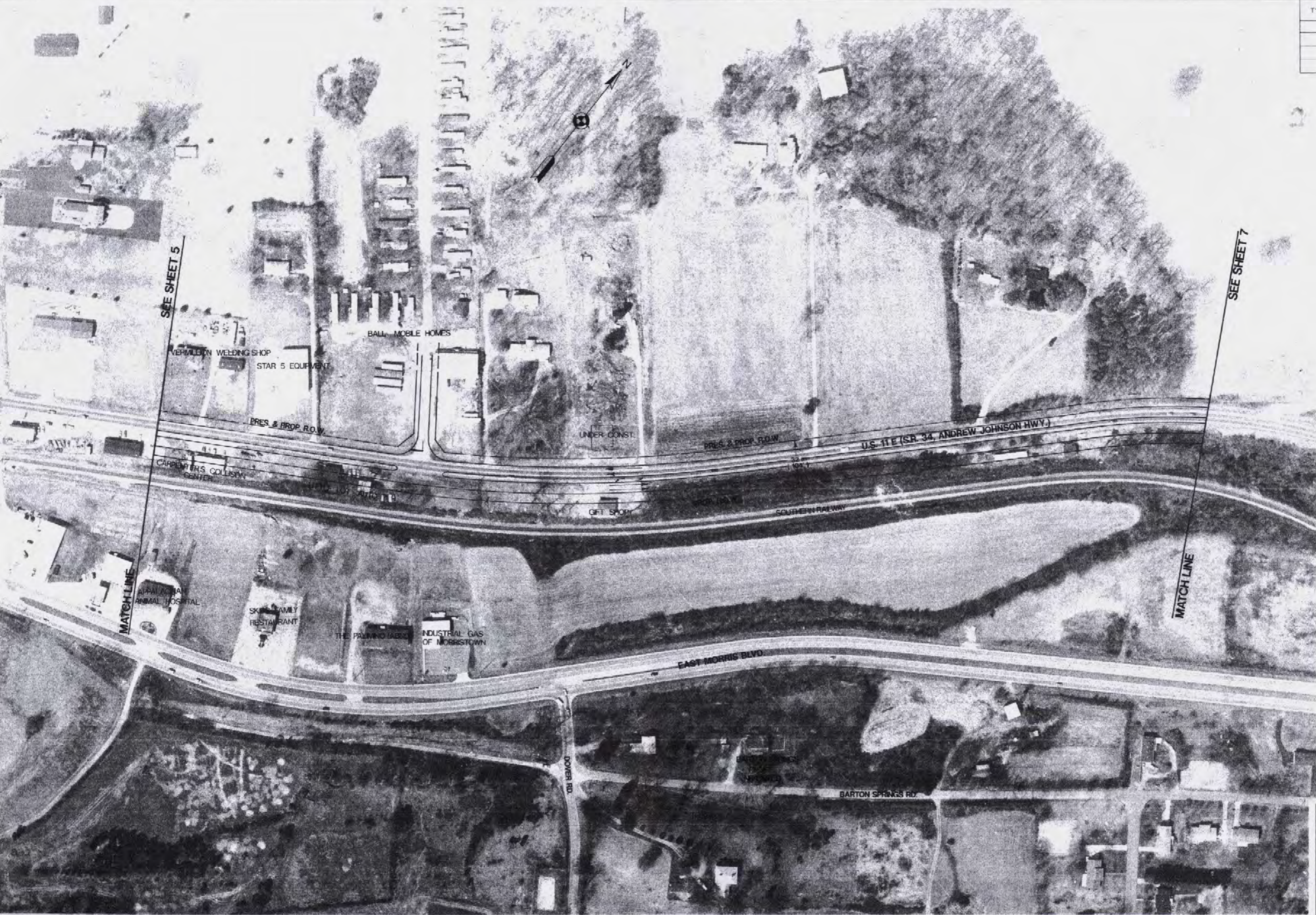
MATCH LINE



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

HAMBLLEN, HAWKINS
& GREENE COUNTIES
S.R. 34 (U.S. 11E)

TYPE	YEAR	PROJECT NO.	SHT NO.
			6

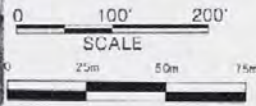


SEE SHEET 5

SEE SHEET 7

MATCH LINE

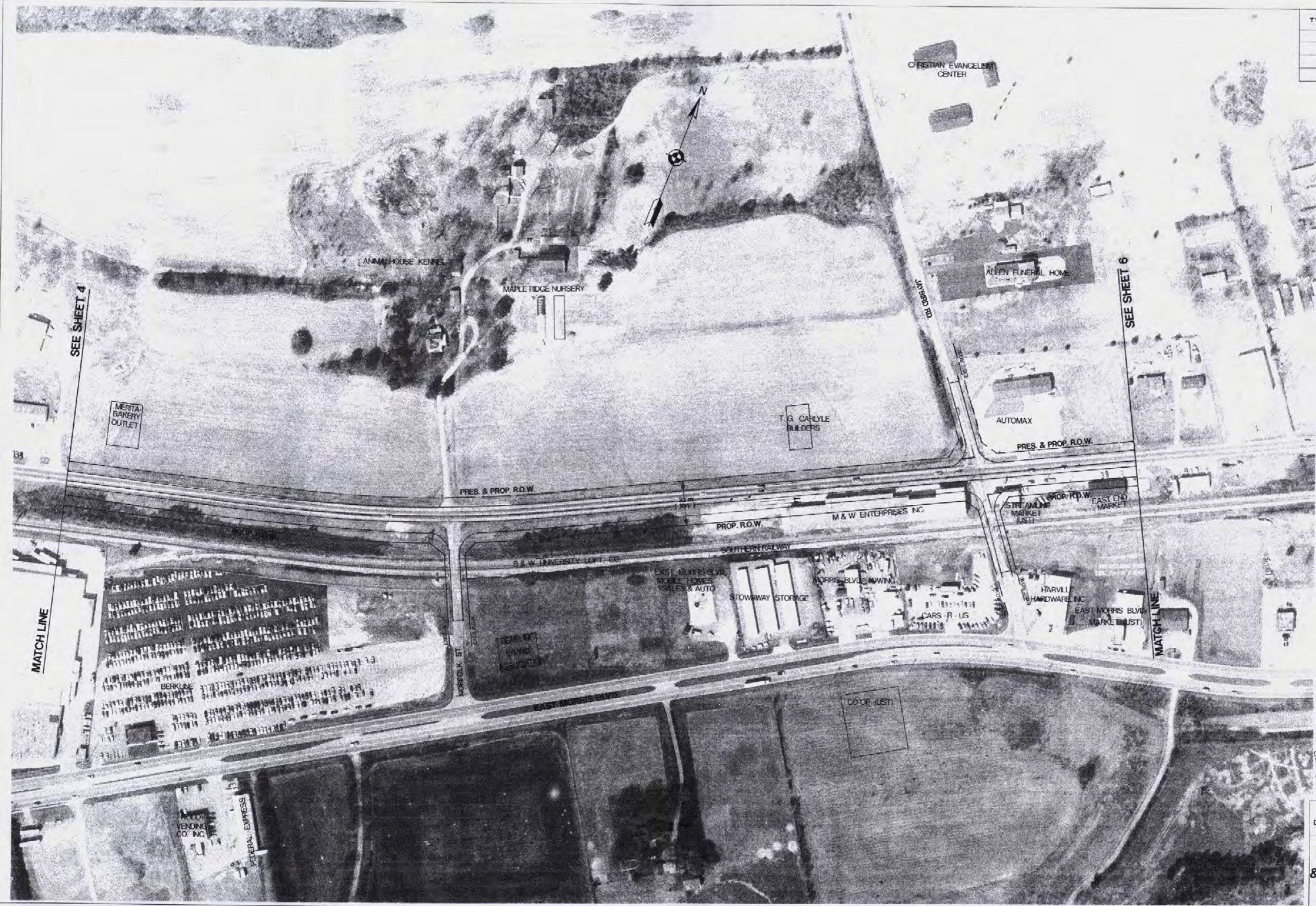
MATCH LINE



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

HAMBLEN, HAWKINS
& GREENE COUNTIES
SR. 34 (U.S. 11E)

TYPE	YEAR	PROJECT NO.

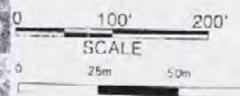


SEE SHEET 4

SEE SHEET 6

MATCH LINE

MATCH LINE



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

HAMBLEN, HAWKINS
& GREENE COUNTIES

S.R. 34 (U.S. 11E)

TYPE	YEAR	PROJECT NO.	SH NO.



K & M CABLE

COMMUNITY CHRISTIAN CHURCH

Cedar Creek

PANTHER STEEL

MORRIS WOOD TOOL CO.

BURNETT'S ANNEX

SOUTHERN RAILWAY

EAST MORRIS BLVD.

R & J TRUCKING

AMERI GAS

ROBLIN ST.

BARTON SPRINGS RD.

FULLER ESTATES CIR.

BETHESDA ROAD

POSSIBLE HISTORIC

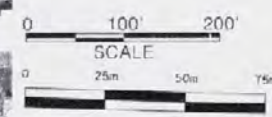
LARRY BAKER DR.

SEE SHEET 6

SEE SHEET 8

MATCH LINE

MATCH LINE

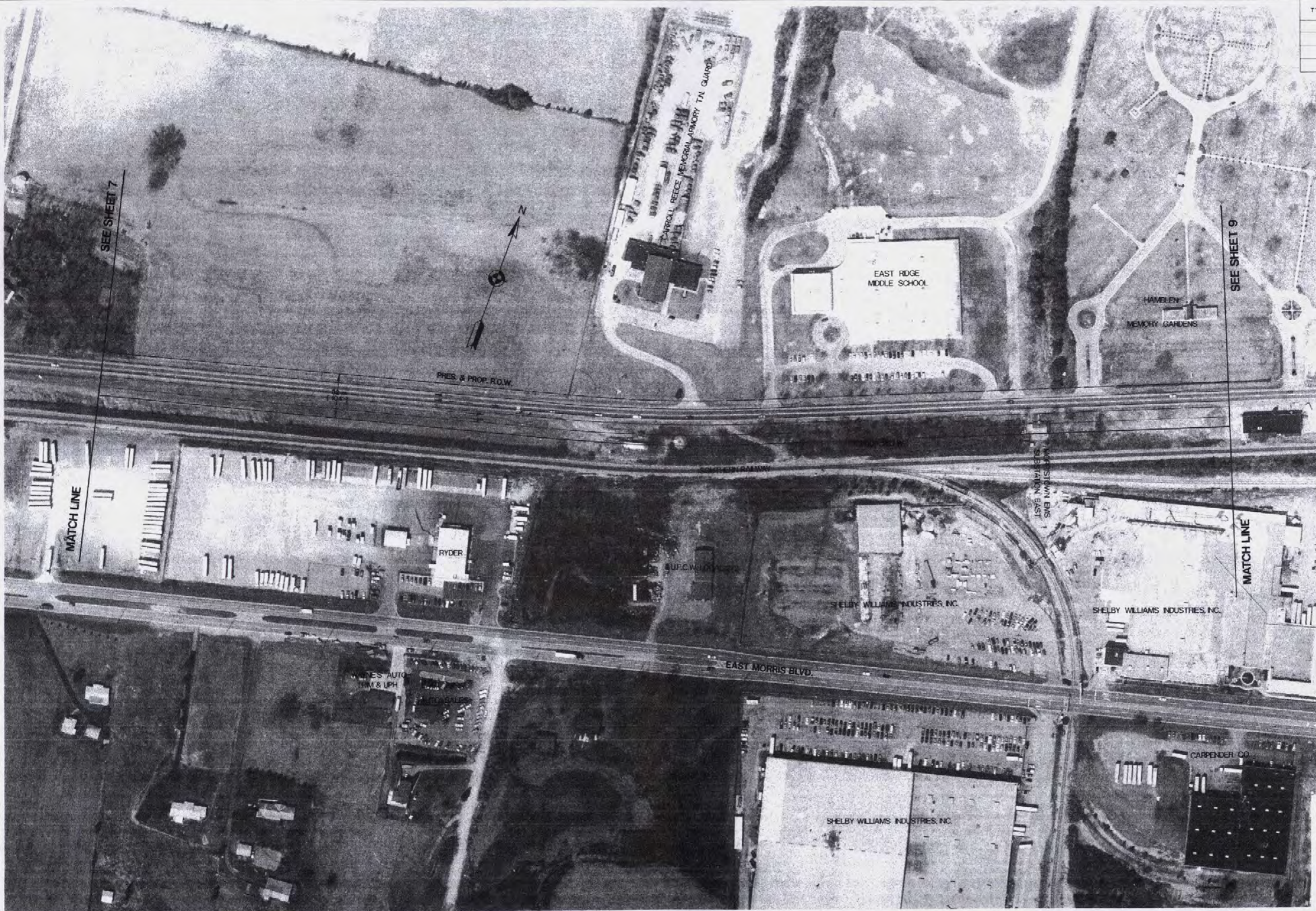


STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

HAMBLEN, HAWKINS
& GREENE COUNTIES

SR. 34 (U.S. 11E)

TYPE	YEAR	PROJECT NO.	S



SEE SHEET 7

SEE SHEET 9



PRES. & PROP. R.O.W.

MATCH LINE

MATCH LINE

RYDER

SHELBY WILLIAMS INDUSTRIES, INC.

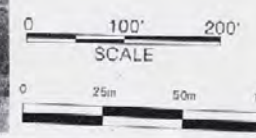
SHELBY WILLIAMS INDUSTRIES, INC.

EAST MORRIS BLVD.

WINE'S AUTO
TRM & UPH

SHELBY WILLIAMS INDUSTRIES, INC.

CARPENDER CO



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

HAMBLEN, HAWKINS
& GREENE COUNTIES

S.R. 34 (U.S. 11E)

TYPE	YEAR	PROJECT NO.	SHT. NO.
			9

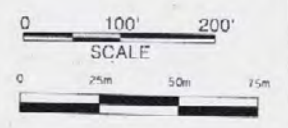


SEE SHEET 8

SEE SHEET 10

MATCH LINE

MATCH LINE

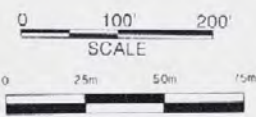
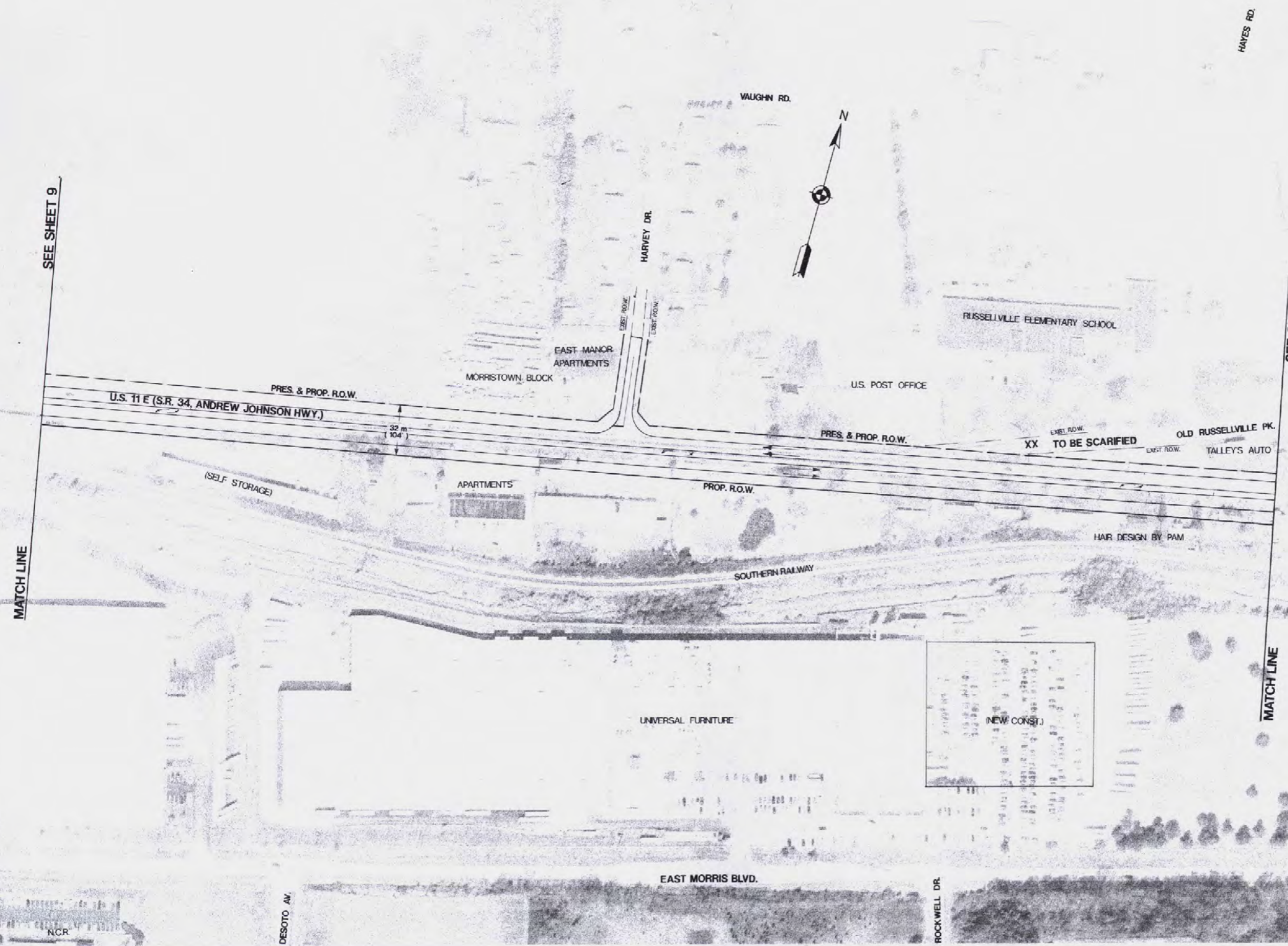


STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

**HAMBLEN, HAWKINS
& GREENE COUNTIES**

S.R. 34 (U.S. 11E)

TYPE	YEAR	PROJECT NO.	SHT NO.
			10

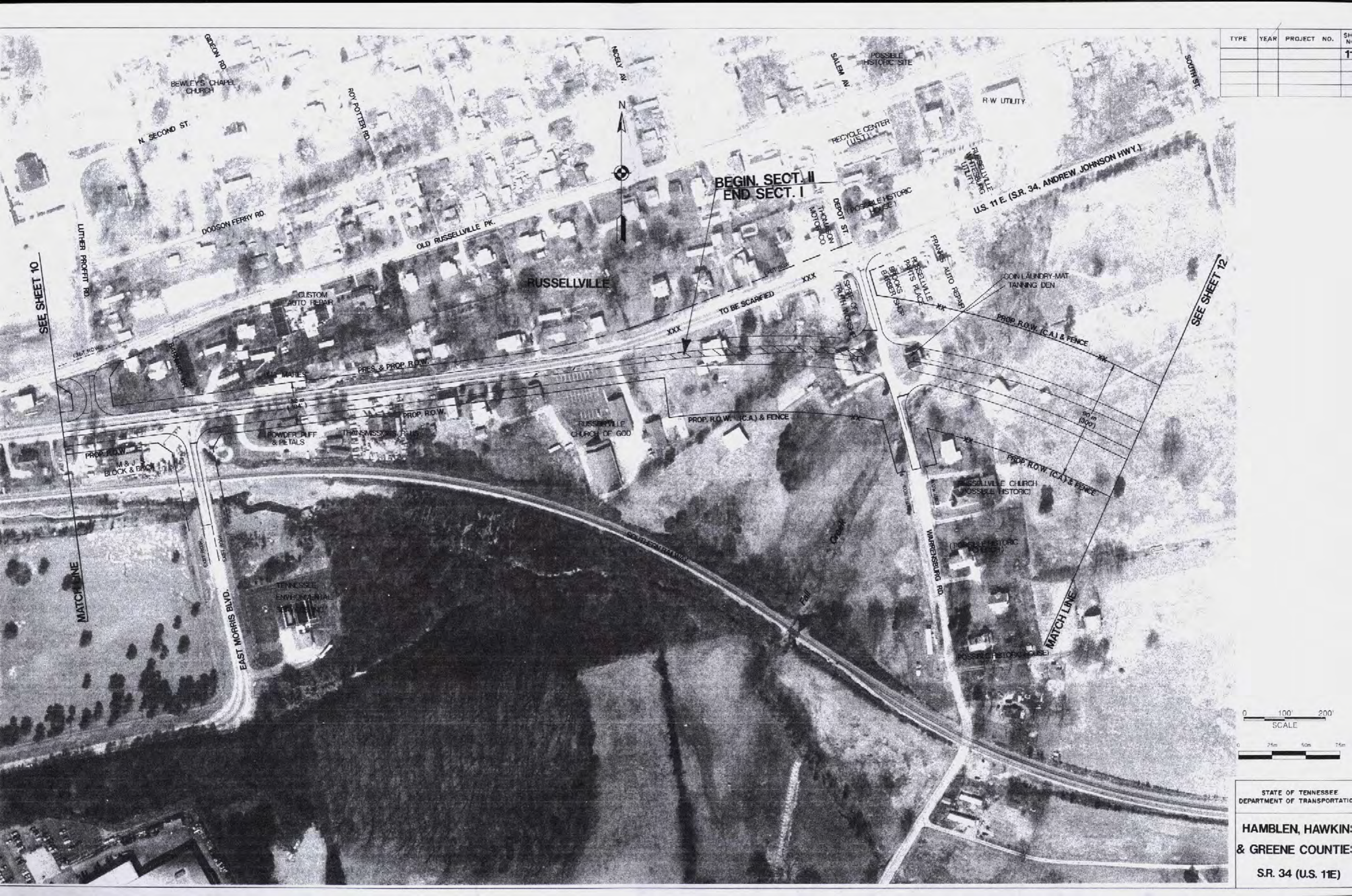


STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

HAMBLEN, HAWKINS
& GREENE COUNTIES
S.R. 34 (U.S. 11E)

NCR

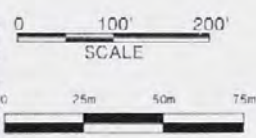
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			1



SEE SHEET 10

SEE SHEET 12

BEGIN. SECT. II
END. SECT. I

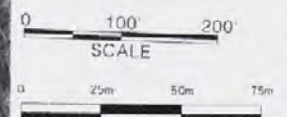


STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

**HAMBLEN, HAWKINS
& GREENE COUNTIES**

SR. 34 (U.S. 11E)

TYPE	YEAR	PROJECT NO.	SHT. NO.
			12



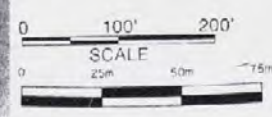
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

**HAMBLÉN, HAWKINS
& GREENE COUNTIES**

S.R. 34 (U.S. 11E)



TYPE	YEAR	PROJECT NO.	SHT NO.
			13

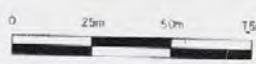
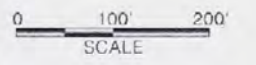
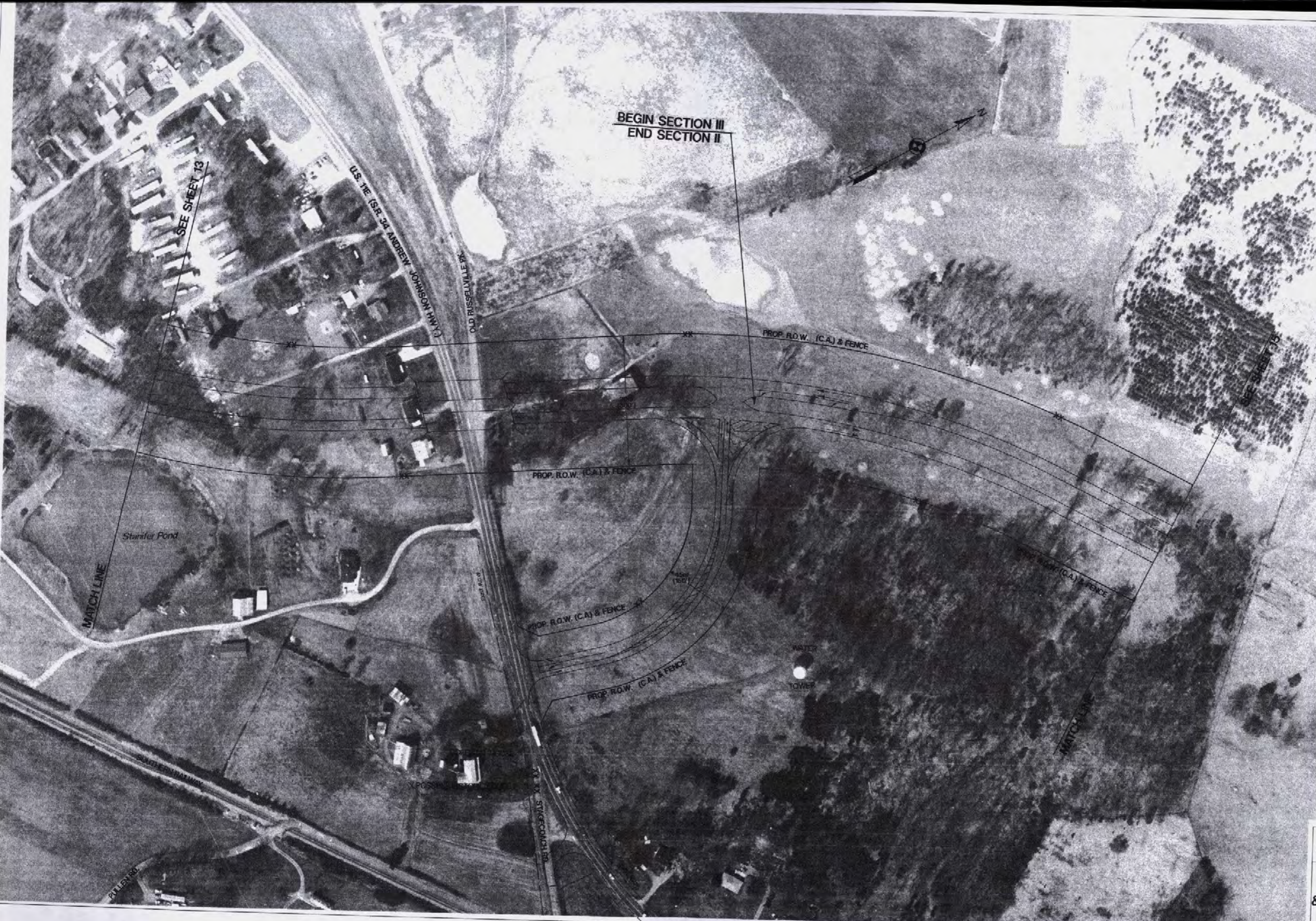


STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

**HAMBLIN, HAWKINS
& GREENE COUNTIES**

S.R. 34 (U.S. 11E)

TYPE	YEAR	PROJECT NO.

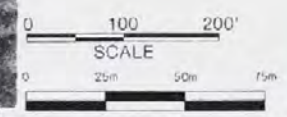


STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

**HAMBLEN, HAWKINS
& GREENE COUNTIES**

S.R. 34 (U.S. 11E)

TYPE	YEAR	PROJECT NO.	SH NO.
			15



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

**HAMBLEN, HAWKINS
& GREENE COUNTIES**

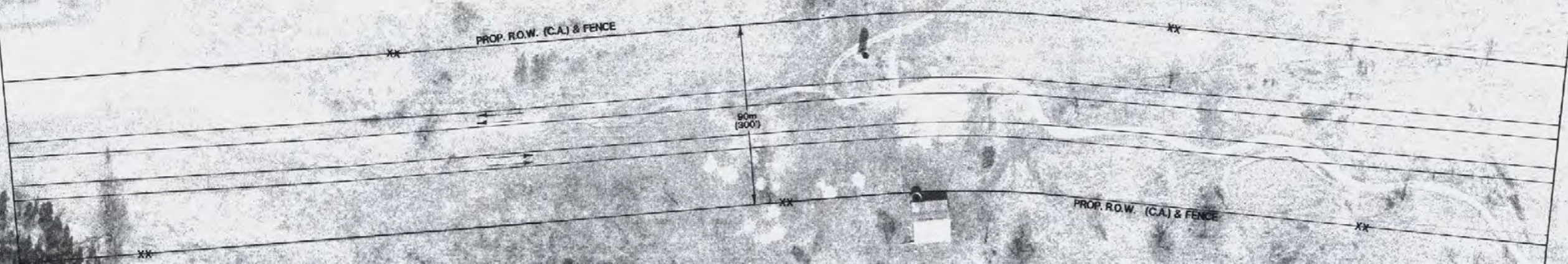
S.R. 34 (U.S. 11E)

U.S. 11E (SR 34, ANDREW JOHNSON HWY.)

TYPE	YEAR	PROJECT NO.	S

SEE SHEET 15

SEE SHEET 17



MATCH LINE

MATCH LINE

0 100 200'
SCALE

0 25m 50m 75m

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

HAMBLLEN, HAWKINS
& GREENE COUNTIES

S.R. 34 (U.S. 11E)

TYPE	YEAR	PROJECT NO.	SHT. NO.
			17

SEE SHEET 16

SEE SHEET 18



MATCH LINE

MATCH LINE

0 100 200
SCALE

0 25m 50m 75m

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

**HAMBLLEN, HAWKINS
& GREENE COUNTIES**

S.R. 34 (U.S. 11E)

TYPE	YEAR	PROJECT NO.	SH NO.
			1E

SEE SHEET 17

SEE SHEET 19

LANE CEMETERY
(POSSIBLE HISTORIC)

NEW SUBDIVISION
UNDER CONSTRUCTION

PROP. R.O.W. (C.A.) & FENCE

PROP. R.O.W. (C.A.) & FENCE

PROP. R.O.W. (C.A.) & FENCE

PROP. R.O.W.
PRES. & PROP. R.O.W.

90m
(300')



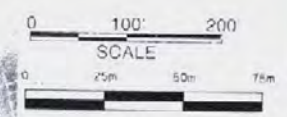
MATCH LINE

MATCH LINE

WHITESBURG PK

TO WHITESBURG

WHITESBURG



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

HAMBLEN, HAWKINS
& GREENE COUNTIES

S.R. 34 (U.S. 11E)

TYPE	YEAR	PROJECT NO.	SHEET NO.
			1

SEE SHEET 18

SEE SHEET 20

MATCH LINE

MATCH LINE

PROP. R.O.W. (C.A.) & FENCE

PROP. R.O.W. (C.A.) & FENCE

90m
(300')

N



BUSINESS

SIMPSON RD.

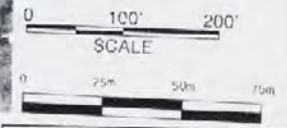
S.R. 713

U.S. 11E (S.R. 24 ANDREW JOHNSON HWY.)

CORNER MARKET (U.S.T.)

KARL & KATHY'S COUNTRY KITCHEN

(POSSIBLE HISTORIC SITE)



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

HAMBLEN, HAWKINS
& GREENE COUNTIES

S.R. 34 (U.S. 11E)

TYPE	YEAR	PROJECT NO.	SHT. NO.
			20



SEE SHEET 19

SEE SHEET 21

MATCH LINE

MATCH LINE

PROP. R.O.W. (C.A.) & FENCE

PROP. R.O.W. (C.A.) & FENCE

STEEL GENERAL STORE

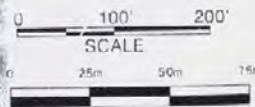
NURSERY UNDER CONST.

U.S. HIGHWAY 34, ANDREW JOHNSON HWY.

SOUTHERN RAILWAY

N

90m
(300')



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

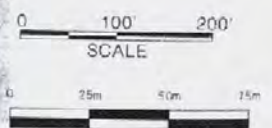
HAMBLLEN, HAWKINS
& GREENE COUNTIES

S.R. 34 (U.S. 11E)

TYPE	YEAR	PROJECT NO.	SH. N.
			2



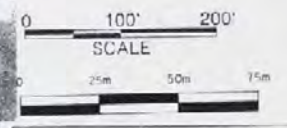
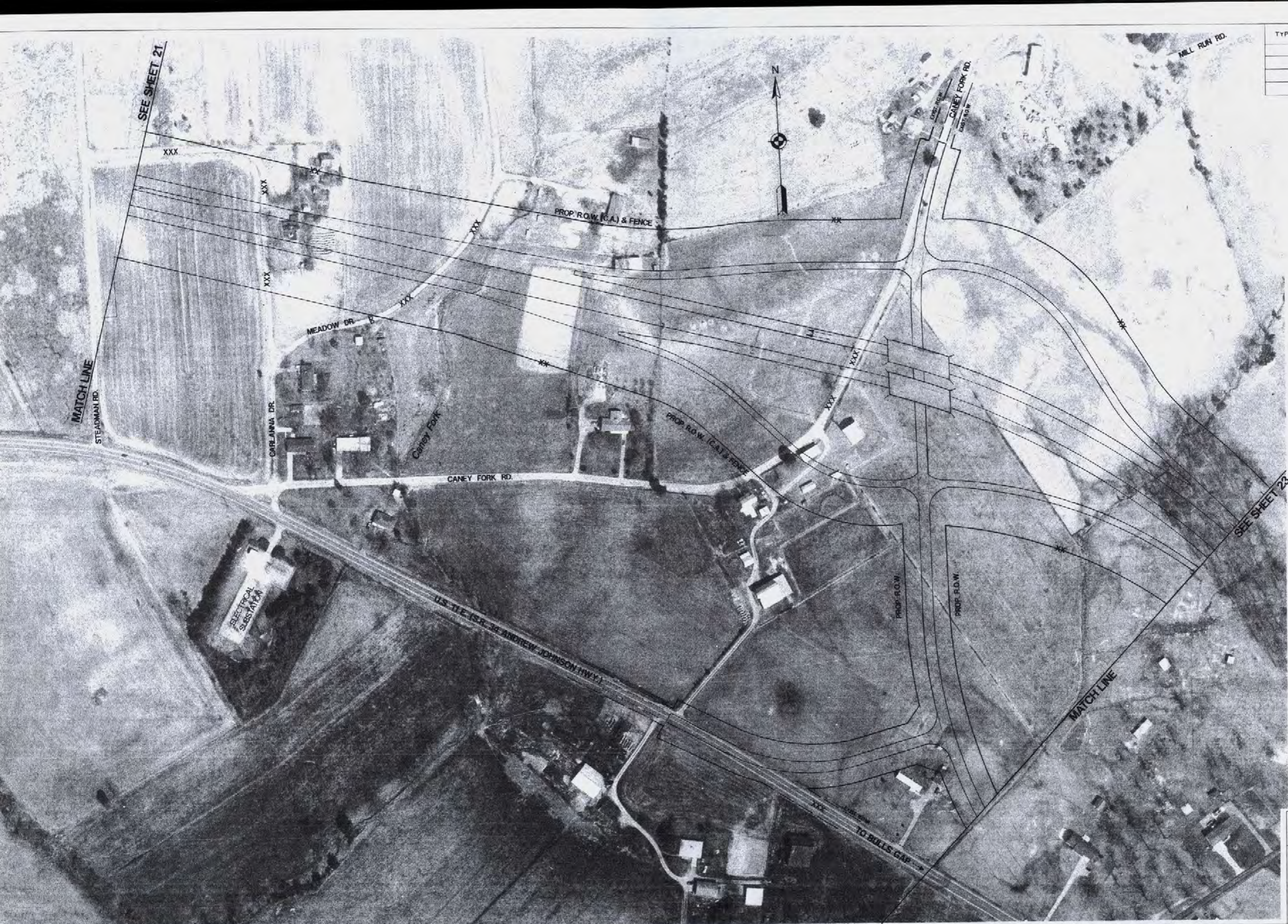
BEGIN SECTION IV
ALT. A & B
END SECTION III



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

HAMBLEN, HAWKINS
& GREENE COUNTIES
S.R. 34 (U.S. 11E)

TYPE	YEAR	PROJECT NO.	SHT. NO.
			22



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

**HAMBLEN, HAWKINS
& GREENE COUNTIES**
S.R.34 (U.S. 11E)
ALT. "A"

TYPE	YEAR	PROJECT NO.	SHT. NO.
			23



SEE SHEET 22

SEE SHEET 24

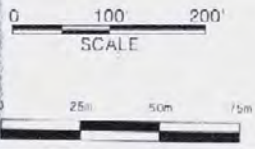
PROP. R.O.W. (C.A.) & FENCE

PROP. R.O.W. (C.A.) & FENCE

U.S. 11E (S.R. 34 ANDREW JOHNSON HWY.)
SOUTHERN RAILWAY

MATCH LINE

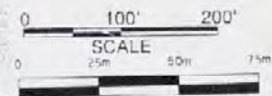
MATCH LINE



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

HAMBLEN, HAWKINS
& GREENE COUNTIES
S.R. 34 (U.S. 11E)
ALT. "A"

TYPE	YEAR	PROJECT NO.	SHT. NO.
			24



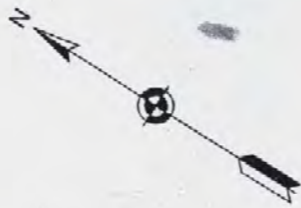
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

HAMBLLEN, HAWKINS
& GREENE COUNTIES
S.R. 34 (U.S. 11E)
ALT. "A"

TYPE	YEAR	PROJECT NO.	SHT NO.
			25

McCULLOUGH
CEM

TEKE
CEM



SEE SHEET 24

SUNDOWN STABLES

YORK CULLEN RD

SEE SHEET 26

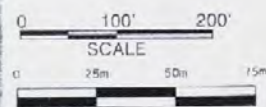
PROP. R.O.W. (C.A.) & FENCE

90 m
(300')

PROP. R.O.W. (C.A.) & FENCE

MATCH LINE

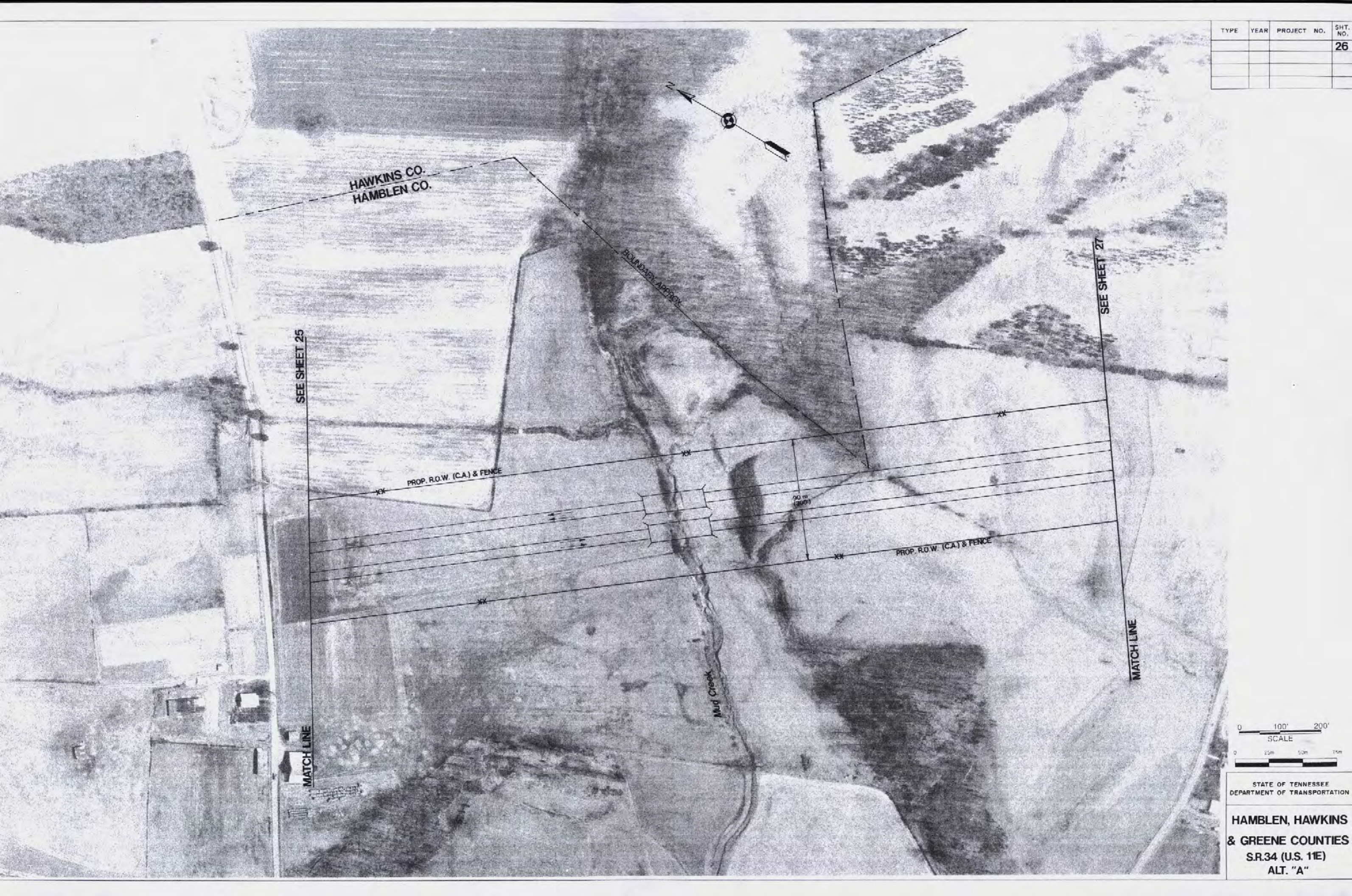
MATCH LINE



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

**HAMBLEN, HAWKINS
& GREENE COUNTIES**
S.R. 34 (U.S. 11E)
ALT. "A"

TYPE	YEAR	PROJECT NO.	SHT. NO.
			26



HAWKINS CO.
HAMBLEN CO.

BOUNDARY APPROX.

SEE SHEET 25

SEE SHEET 27

PROP. R.O.W. (C.A.) & FENCE

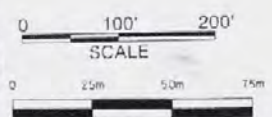
PROP. R.O.W. (C.A.) & FENCE

90 m
(300')

Mud Creek

MATCH LINE

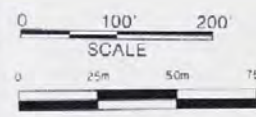
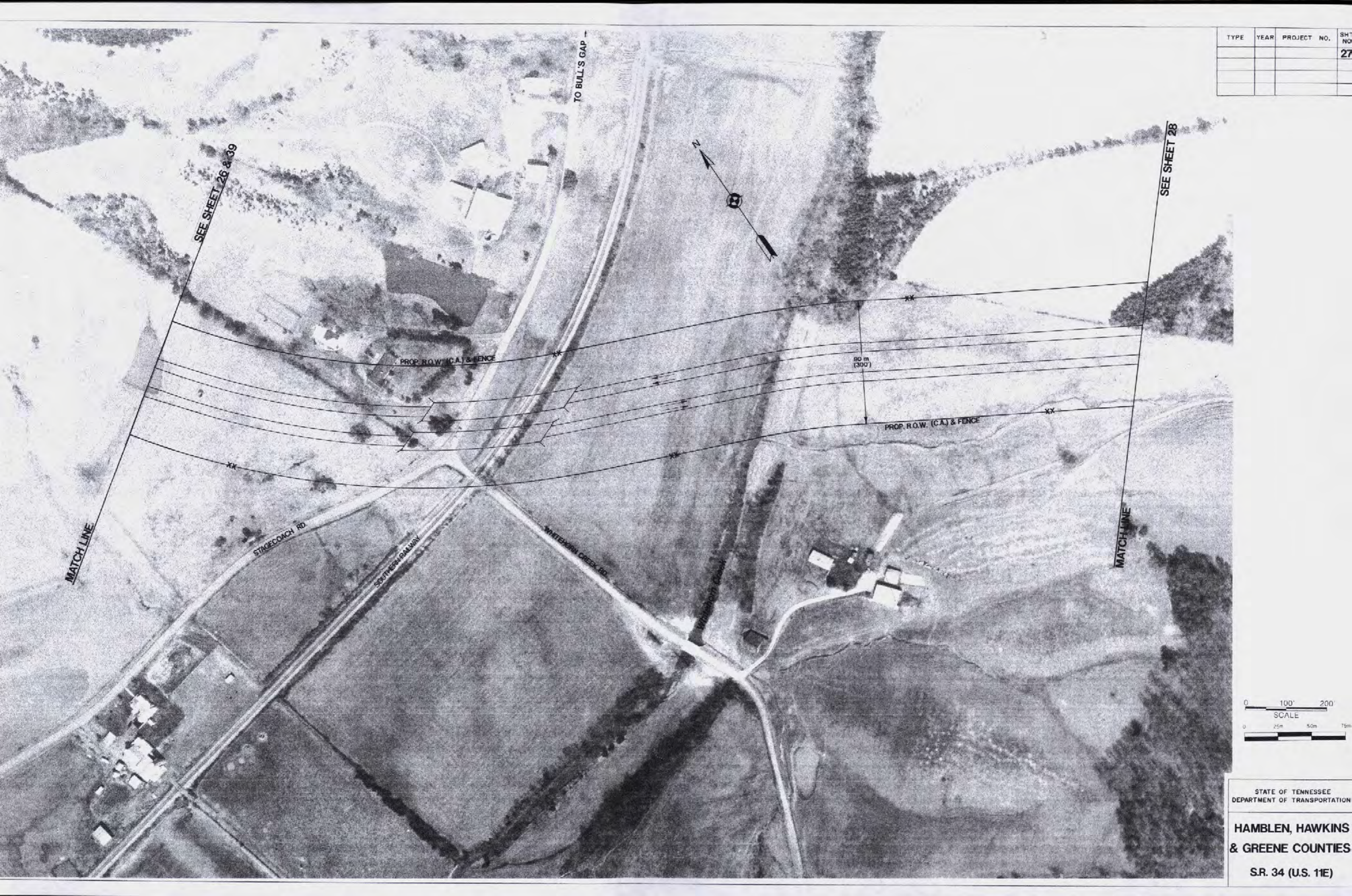
MATCH LINE



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

HAMBLEN, HAWKINS
& GREENE COUNTIES
S.R.34 (U.S. 11E)
ALT. "A"

TYPE	YEAR	PROJECT NO.	SH. NO.
			27



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

HAMBLEN, HAWKINS
& GREENE COUNTIES

S.R. 34 (U.S. 11E)

U.S. 11E
(S.R. 34, ANDREW JOHNSON HWY.)

TYPE	YEAR	PROJECT NO.	SHT NO.
			28

SEE SHEET 27

MATCH LINE

BOUNDARY APPROX

HAMBLEEN CO.

HAWKINS CO.
GREENE CO.

PROP 40' W. 10' R.I. & FENCE

PROP 40' W. 10' R.I. & FENCE

DRAKE'S CEMETERY

90' (300')

SEE SHEET 29

MATCH LINE

PEACEFUL VALLEY LN

HAMBLEEN CO.
GREENE CO.

0 100' 200'
SCALE

0 25m 50m 75m

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

HAMBLEEN, HAWKINS
& GREENE COUNTIES

S.R. 34 (U.S. 11E.)

TYPE	YEAR	PROJECT NO.	SHT NO.
			29

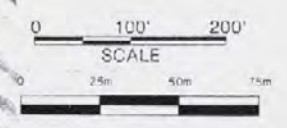


SEE SHEET 28

SEE SHEET 30

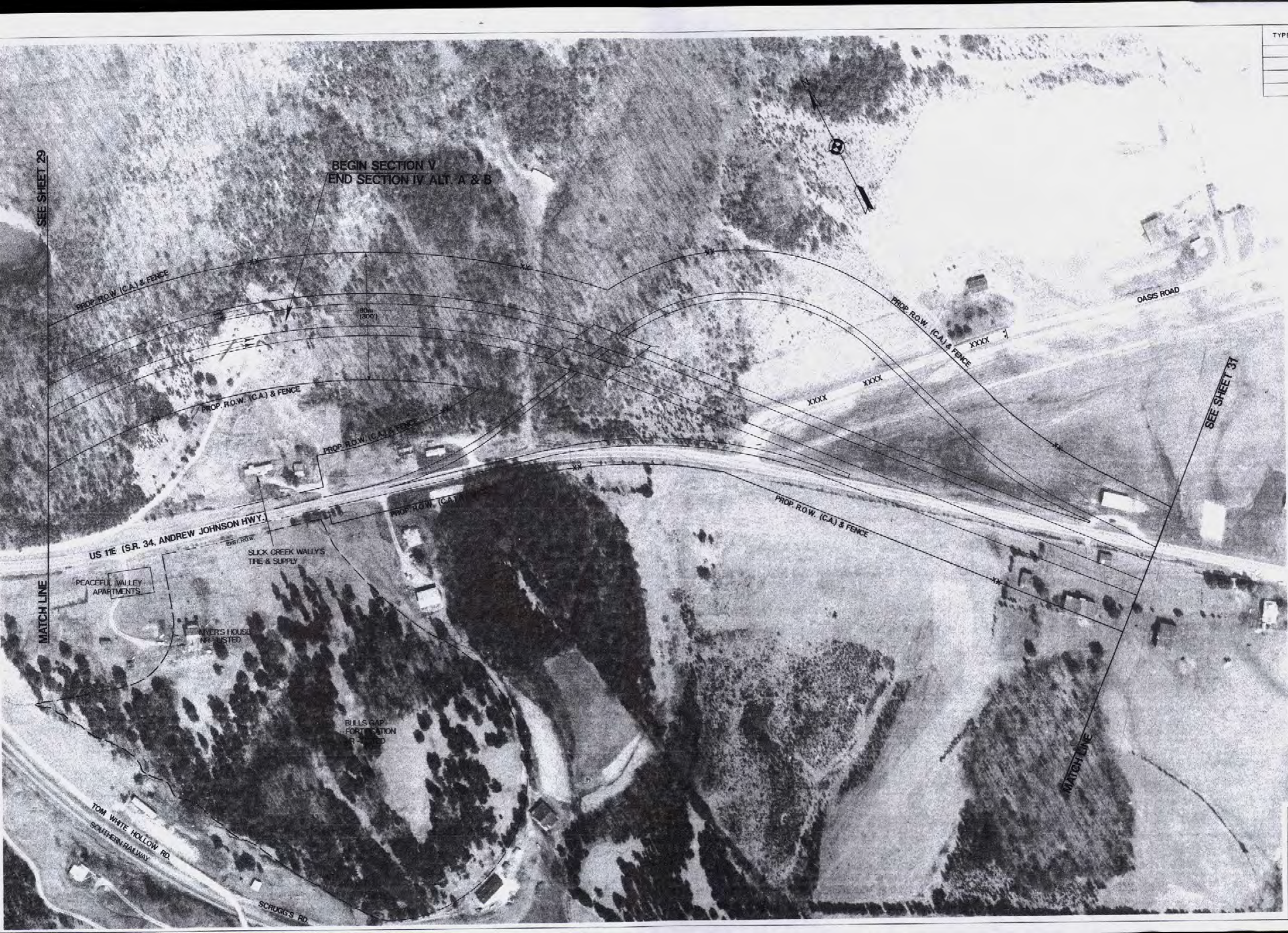
MATCH LINE

MATCH LINE



STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
**HAMBLEN, HAWKINS
 & GREENE COUNTIES**
 S.R. 34 (U.S. 11E.)

TYPE	YEAR	PROJECT NO.	SHT. NO.
			30

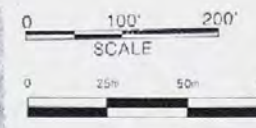


SEE SHEET 29

MATCH LINE

SEE SHEET 31

MATCH LINE

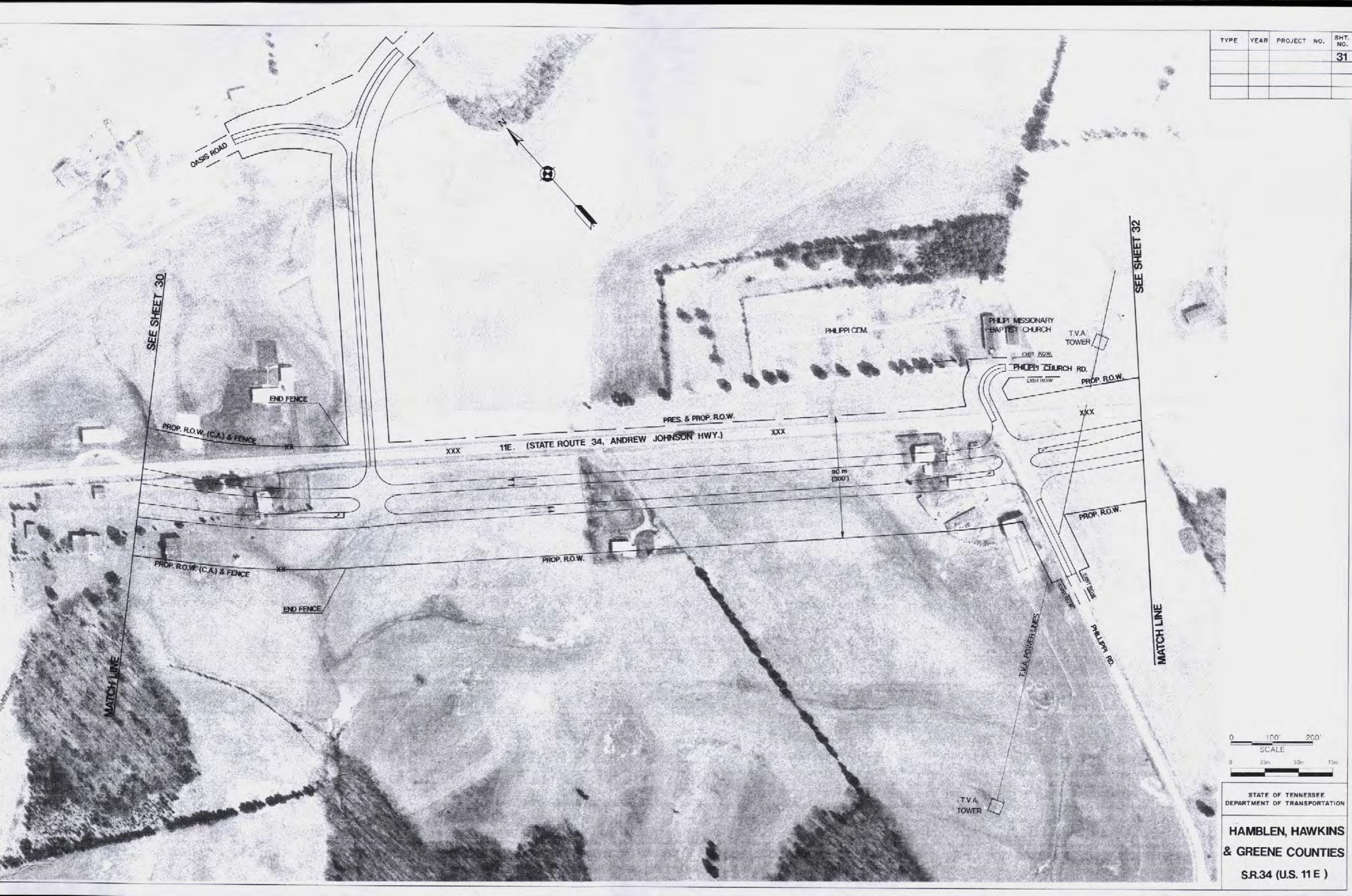


STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

HAMBLEN, HAWKINS
& GREENE COUNTIES

S.R. 34 (U.S. 11E.)

TYPE	YEAR	PROJECT NO.	SHT. NO.
			31



SEE SHEET 30

SEE SHEET 32

MATCH LINE

MATCH LINE

OASIS ROAD



PHILPI CEM.

PHILPI MISSIONARY BAPTIST CHURCH

TVA TOWER

PHILPI CHURCH RD.

11E. (STATE ROUTE 34, ANDREW JOHNSON HWY.)

PHILPI RD.

90 m (300')

PROP. R.O.W. (C.A.) & FENCE

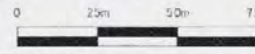
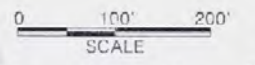
PROP. R.O.W. (C.A.) & FENCE

PRES. & PROP. R.O.W.

PROP. R.O.W.

PROP. R.O.W.

TVA TOWER

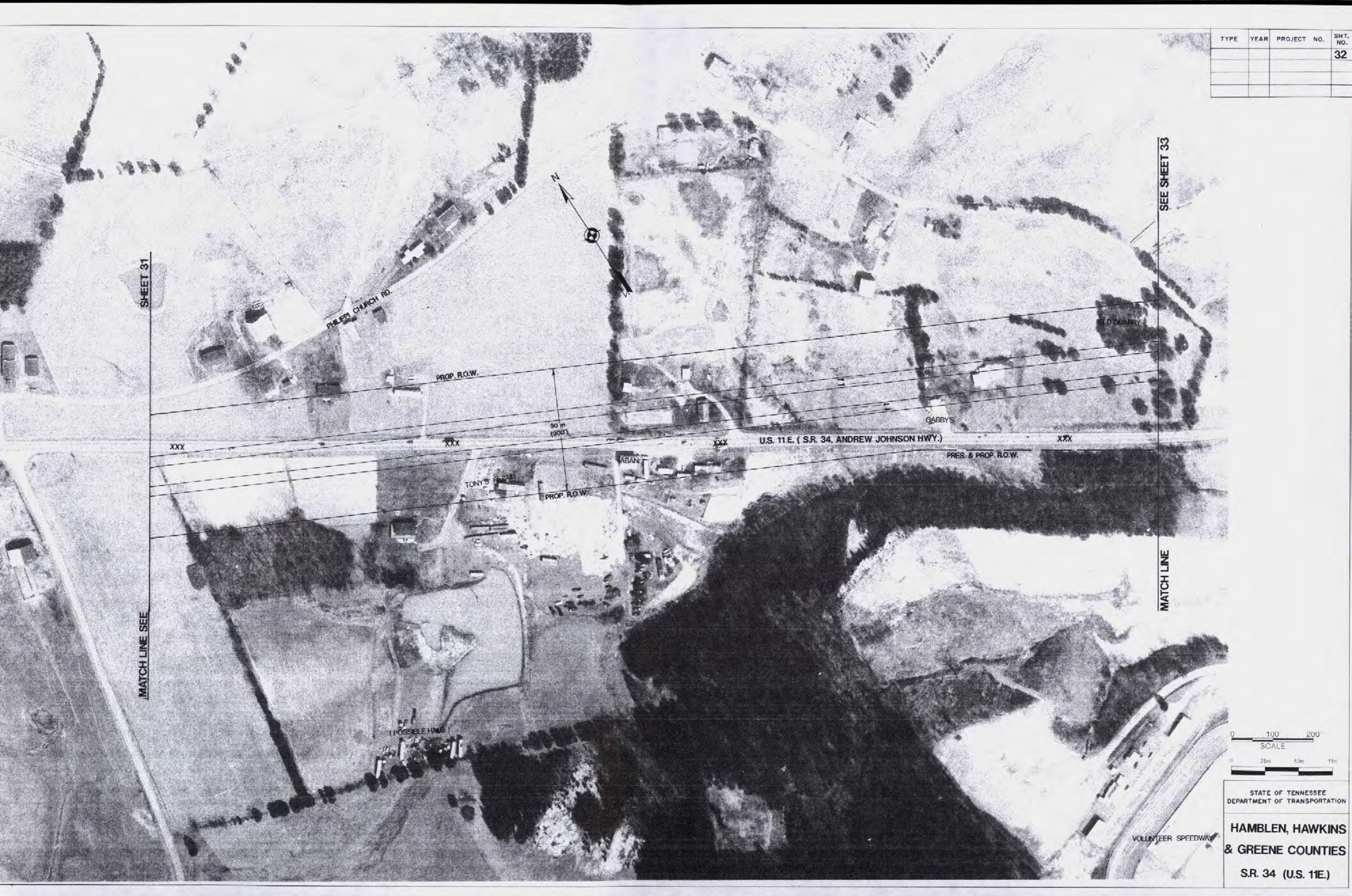


STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

HAMBLEN, HAWKINS
& GREENE COUNTIES

SR.34 (U.S. 11 E)

TYPE	YEAR	PROJECT NO.	SHT. NO.
			32



SHEET 31

SEE SHEET 33

MATCH LINE SEE

MATCH LINE

PHILIP CHURCH RD.

PROP. R.O.W.

90 m (300')

U.S. 11E. (S.R. 34, ANDREW JOHNSON HWY.)

GABBYS

PRES. & PROP. R.O.W.

TONY'S ROAD

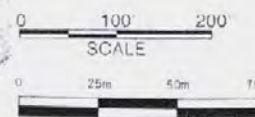
PROP. R.O.W.

ABAN

(POSSIBLE HOME)

OLD QUARRY

VOLUNTEER SPEEDWAY

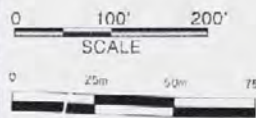
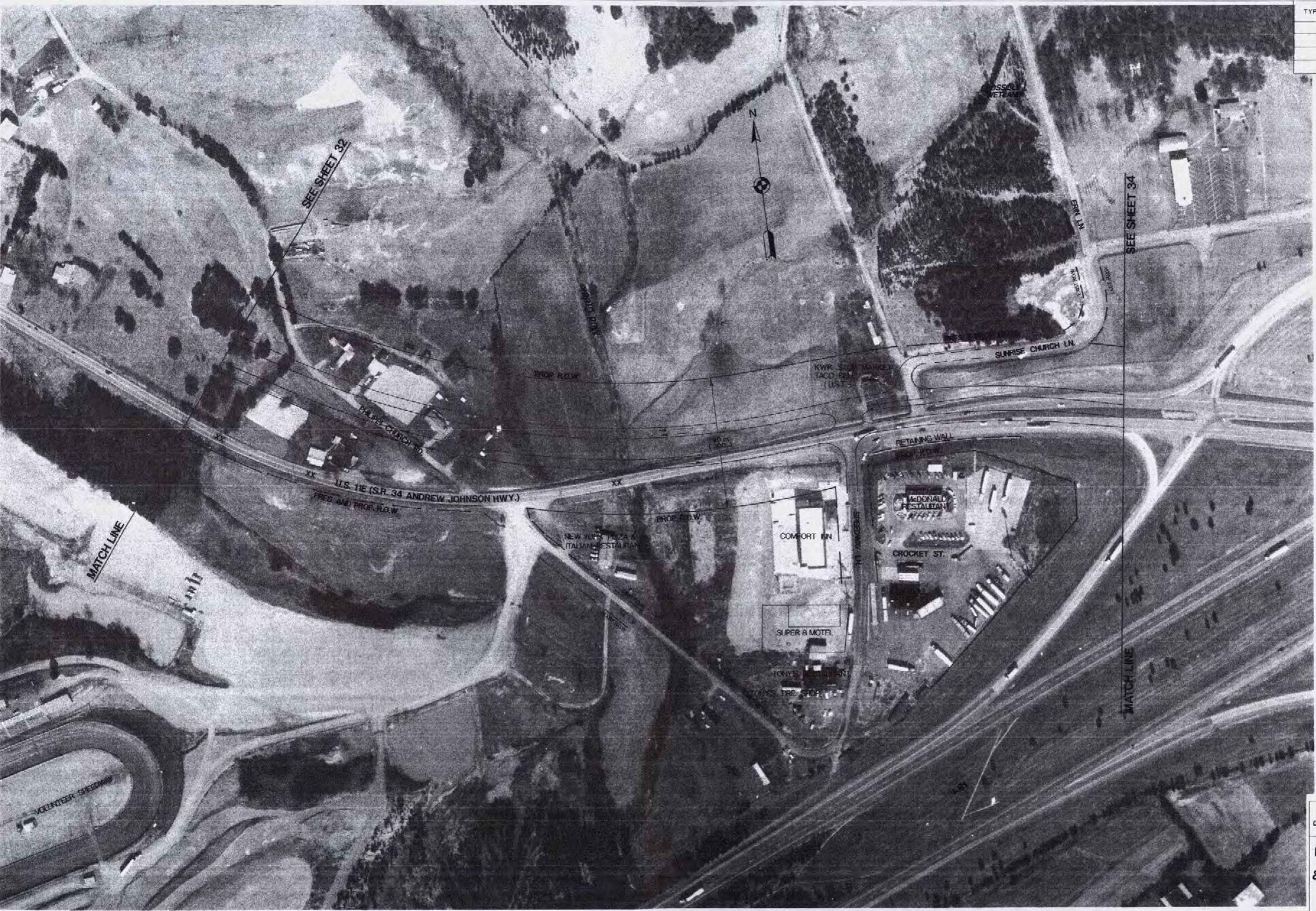


STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

HAMBLLEN, HAWKINS
& GREENE COUNTIES

S.R. 34 (U.S. 11E.)

TYPE	YEAR	PROJECT NO.	SHEET NO.
			33

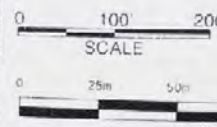
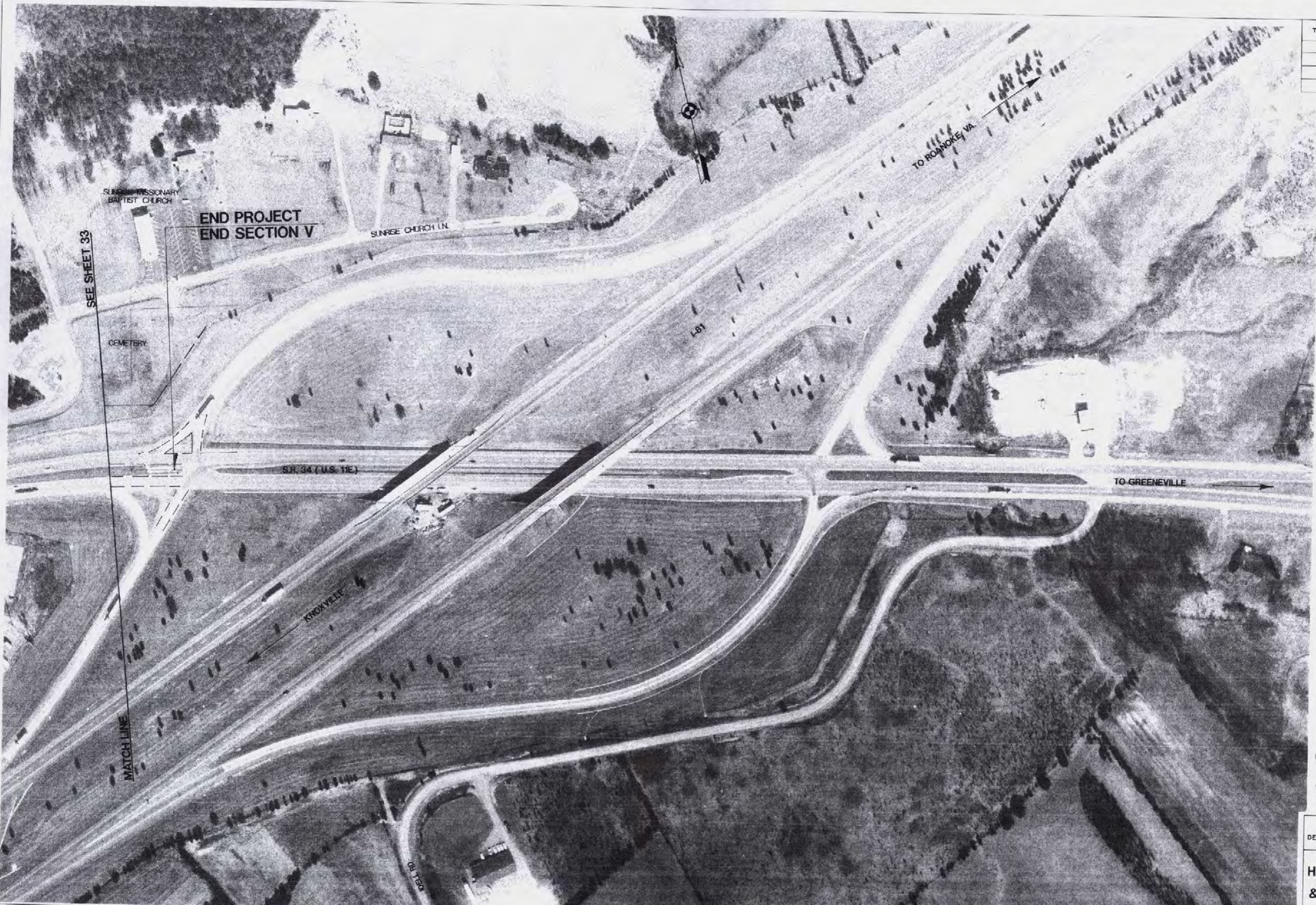


STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

**HAMBLEN, HAWKINS
& GREENE COUNTIES**

S.R.34 (U.S. 11E)

TYPE	YEAR	PROJECT



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

HAMBLLEN, HAWKINS
& GREENE COUNTIES
SR 34 (U.S. 11E)

END PROJECT
END SECTION V

SEE SHEET 33

CEMETERY

SR 34 (U.S. 11E)

KNOXVILLE

TO ROANOKE VA.

TO GREENEVILLE

SUNRISE CHURCH LN.

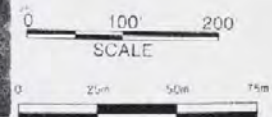
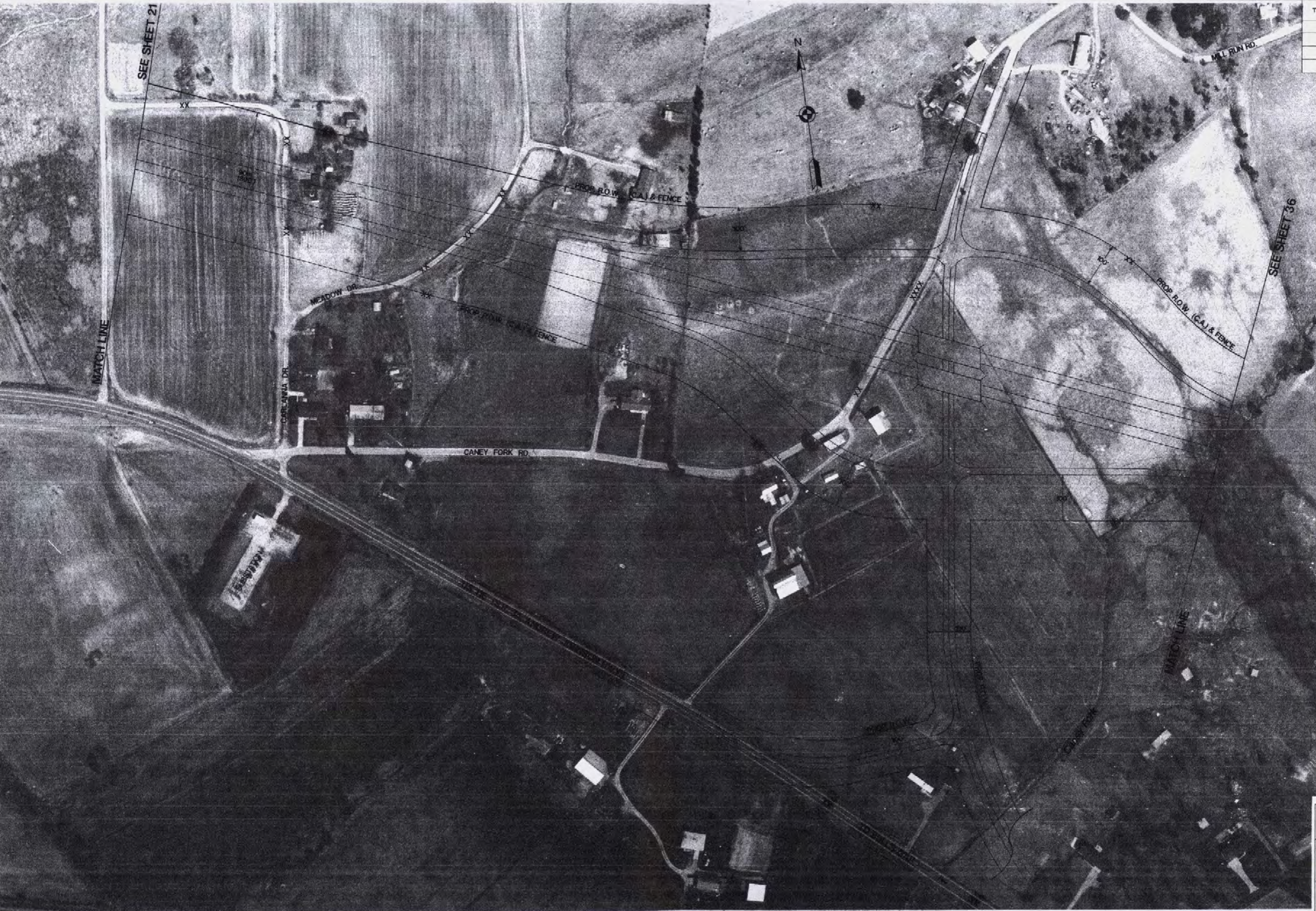
L-61

MATCH LINE

SUNRISE MISSIONARY
BAPTIST CHURCH

DEPT. OF TRANSPORTATION

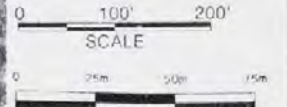
TYPE	YEAR	PROJECT NO.	SH. NO.
			35



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

**HAMBLEN, HAWKINS
& GREENE COUNTIES**
S.R. 34 (U.S. 11E.)
ALT. "B".

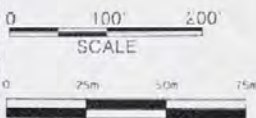
TYPE	YEAR	PROJECT NO.	SHT. NO.
			36



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

**HAMBLEN, HAWKINS
& GREENE COUNTIES**
S.R. 34 (U.S. 11E.)
ALT. "B".

TYPE	YEAR	PROJECT NO.	SHT. NO.
			37



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

**HAMBLLEN, HAWKINS
& GREENE COUNTIES**
S.R. 34 (U.S. 11E.)
ALT. "B".

SEE SHEET 38

MATCH LINE

MATCH LINE

U.S. 11E (S.R. 34, ANDREW JOHNSON HWY.)

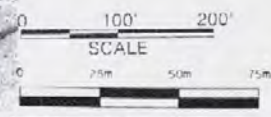
PROP. R.O.W. (C.A.) & FENCE

PROP. R.O.W. (C.A.) & FENCE

90m (300)



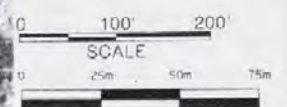
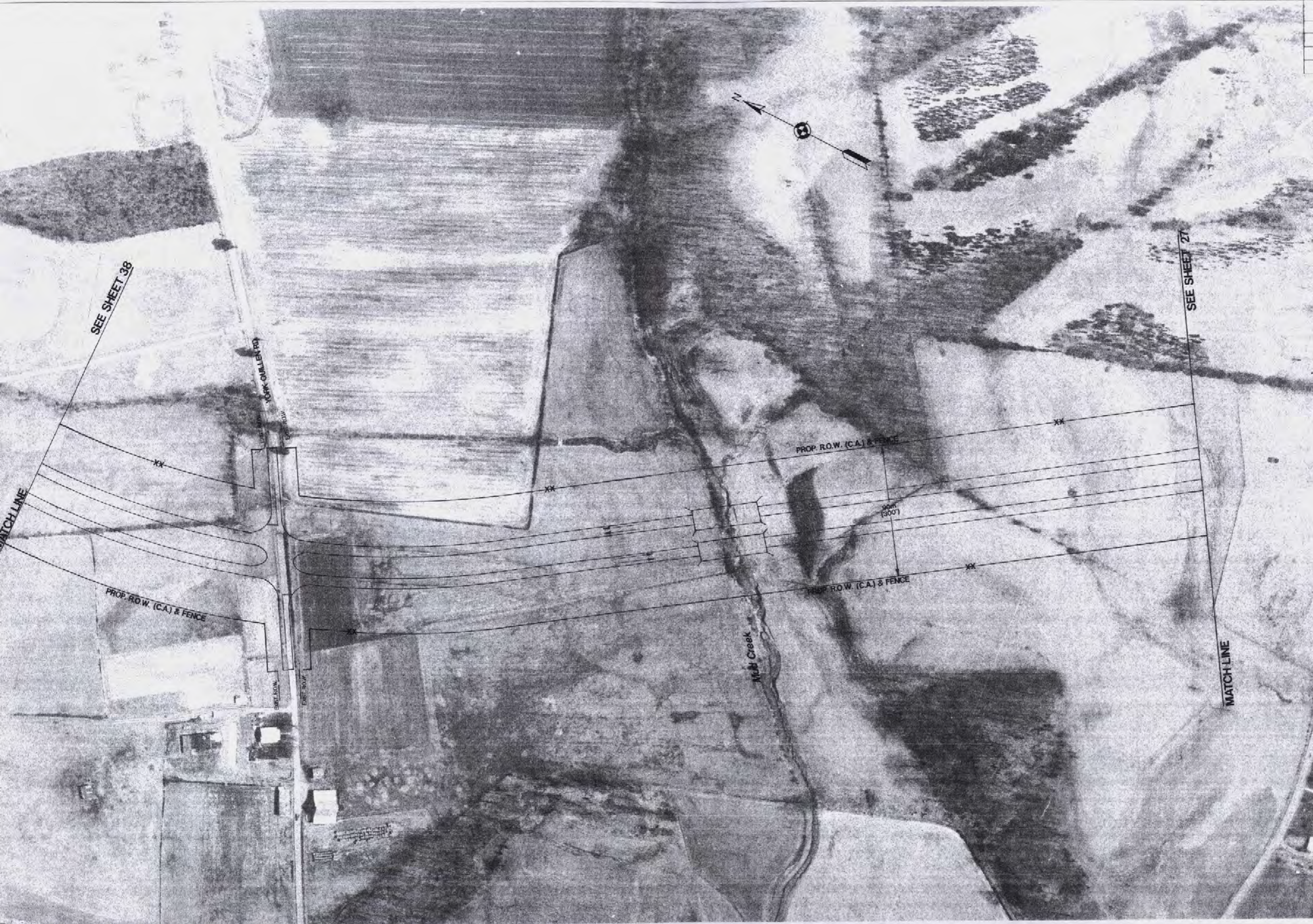
TYPE	YEAR	PROJECT NO.	SHT. NO.
			38



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

**HAMBLEN, HAWKINS
& GREENE COUNTIES**
S.R. 34 (U.S. 11E.)
ALT. "B".

TYPE	YEAR	PROJECT NO.	SHT. NO.
			39



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

**HAMBLLEN, HAWKINS
& GREENE COUNTIES**
S.R. 34 (U.S. 11E.)
ALT. "B".

TYPE	YEAR	PROJECT NO.	SHEET NO.
			40

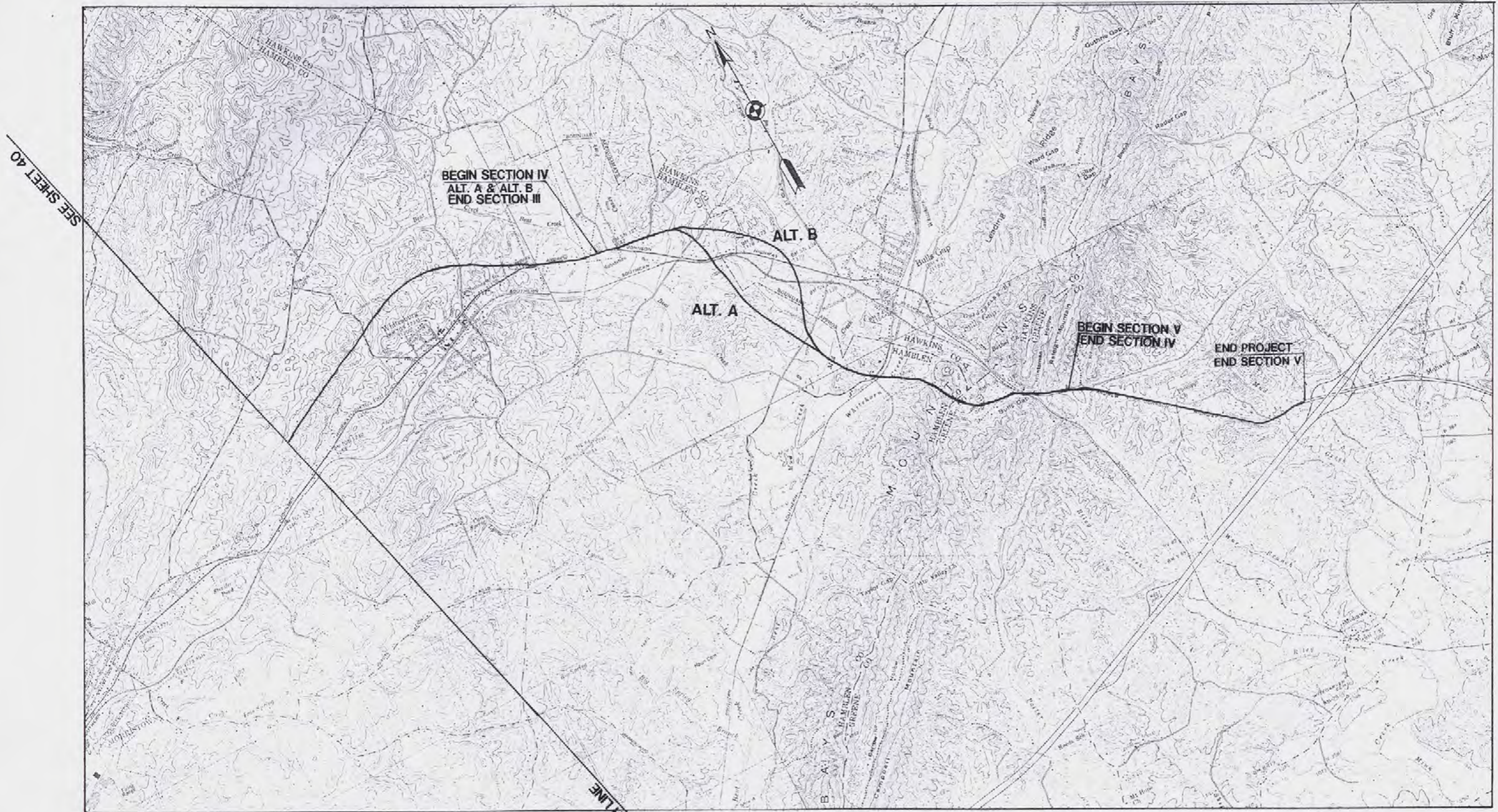
SEE SHEET 41



MATCH LINE

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
 BUREAU OF PLANNING & DEVELOPMENT
**HAMBLÉN, HAWKINS,
 & GREENE COUNTIES**
 U.S. 11E (S.R. 34)
 GENERAL LOCATION
 MAP

TYPE	YEAR	PROJECT NO.	SHEET NO.
			41



MATCH LINE
SEE SHEET 40



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PLANNING & DEVELOPMENT

**HAMBLEN, HAWKINS,
& GREENE COUNTIES**
U.S. 11E (S.R. 34)
GENERAL LOCATION
MAP