



2011

Pre-Design Scoping Study

Data
Needs
AnalYSIS



KY 54, Daviess County
From US 60 to Whitesville
Item No. 2-8300.00

Prepared by the KYTC
Division of Planning and
KYTC District 2

September 2011



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I. INTRODUCTION

This study is a Data Needs Analysis (DNA) of a roadway project for the KY 54 corridor in Daviess County, Item Number 2-8300.00.

A. Study Purpose

The purpose of the DNA is to address the nine elements of Purpose and Need as defined by NEPA in order to develop a draft Purpose and Need Statement for the project. This study will also provide a more defined project scope, possible alternatives, planning-level cost estimates, an identification of potential environmental impacts, and other information that will be of assistance in future phases of the Project Development Phase of this project.

B. Location

This project is located on KY 54 in Daviess County east of Owensboro. The project limits extend from US 60, formerly the Bypass (MP 2.62), to the Jack Hinton Road intersection (MP 8.0). For the purposes of this study, it is divided into three sections. See **Figure 1** and Exhibit 1 in **Appendix A**. A topographic map of the study area, Exhibit 2, can also be viewed in **Appendix A**.



Figure 1: Project Location Map

II. PROJECT PURPOSE AND NEED

A. Legislation

The following is a description of the project as it is listed in the 2010 General Assembly's Enacted Highway Plan.

- **Item #2-8300.00, Daviess County**

<u>Funding</u>	<u>Phase</u>	<u>Year</u>	<u>Amount</u>
SPP	D	2010	\$2,820,000
SP	R	2011	\$7,700,000
SP	U	2012	\$17,040,000

WIDENING KY-54 FROM THE US-60 BYPASS TO WHITESVILLE FROM MILEPOST 4.51 TO MILEPOST 8.0. (06CCN)(10CCR)

Purpose and Need: RELIABILITY/ MAJOR WIDENING (O)

The construction phase did not make it into the current Biennial Highway Plan. However, the estimate in the recommended plan for construction was \$35,540,000.

B. Project Status

Design funds for this project have been authorized. The Highway Plan Design year is listed as 2010. There is currently a construction project for the extension of US 60 north of this project and plans to modify the ramps of the US 60/KY 54 Interchange. A few years ago, KY 54 was widened from two lanes to five lanes from the US 60 interchange to MP 4.505.

There is currently a project on the Unscheduled Projects List (UPL) that calls for major widening to 5 lanes from Thruston-Dermont Road to Jack Hinton Road southeast of Owensboro. The Project Identification Form (PIF) for the project (#02 030 D0054 18.00) can be viewed in **Appendix B**. According to the PIF, the regional goal of this project is to eliminate congestion and improve safety along KY 54. The Metropolitan Planning Organization (MPO) for the City of Owensboro has included a similar project in their Transportation Improvement Plan (TIP), ID #GR-02-0012.

C. System Linkage

This segment of KY 54 connects the city of Owensboro to the community of Whitesville and other communities southeast of Owensboro (See **Figure 2** and Exhibit 3 in **Appendix A**).

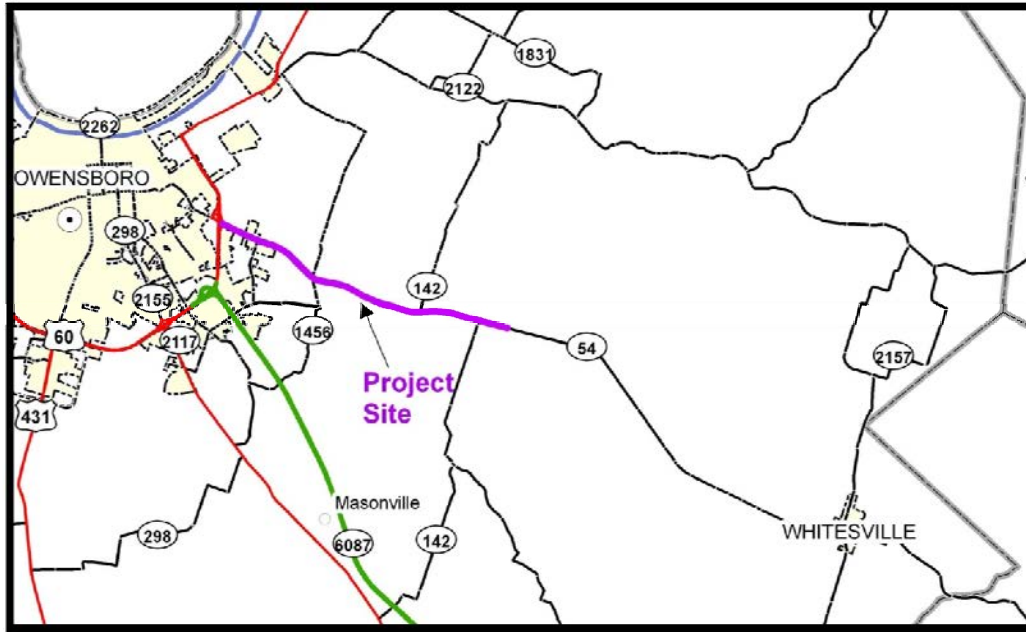


Figure 2: System Linkage Map

KY 54 has the following roadway classifications:

	Sections 1 & 2	Section 3
Functional Classification	Urban Principal Arterial	Urban Minor Arterial
State System	State Primary	State Secondary
National Truck Network	No	No
Truck Weight Class	AAA	AAA
Type of Access	By Permit	By Permit

D. Modal Interrelationships

Sections of KY 54 are included as part of bike routes in Kentucky. Section 1 of KY 54 is part of the Ramblin' River Tour, and Sections 1 and 2 are part of the Underground Railroad Tour. In addition, the Owensboro Transit System has a route on Section 1 of KY 54. Refer to Figure 1 for KY 54 section locations.

E. Social Demands & Economic Development

Most of the recent growth in Owensboro has been on this corridor. Section 1 has seen significant growth with several commercial and retail developments. It is expected that

development in the study area will continue. There are also two elementary schools along this route, and a new hospital is under construction north of the route near the US 60 extension which may attract additional traffic.

F. Transportation Demand

KY 54 within the project limits contains four different traffic counting sections. The first is Section 1 from MP 2.62 to MP 3.318. The second is Section 2 from MP 3.318 to MP 4.505. The third traffic counting section is part of Section 3 from MP 4.505 to MP 6.447, and is referred to as Section 3a on the **Figure 3** below. The last section is from MP 6.447 to MP 11.591, and is referred to as Section 3b on the **Figure 3** below. **Figure 3** displays historic traffic counts for each of these sections.

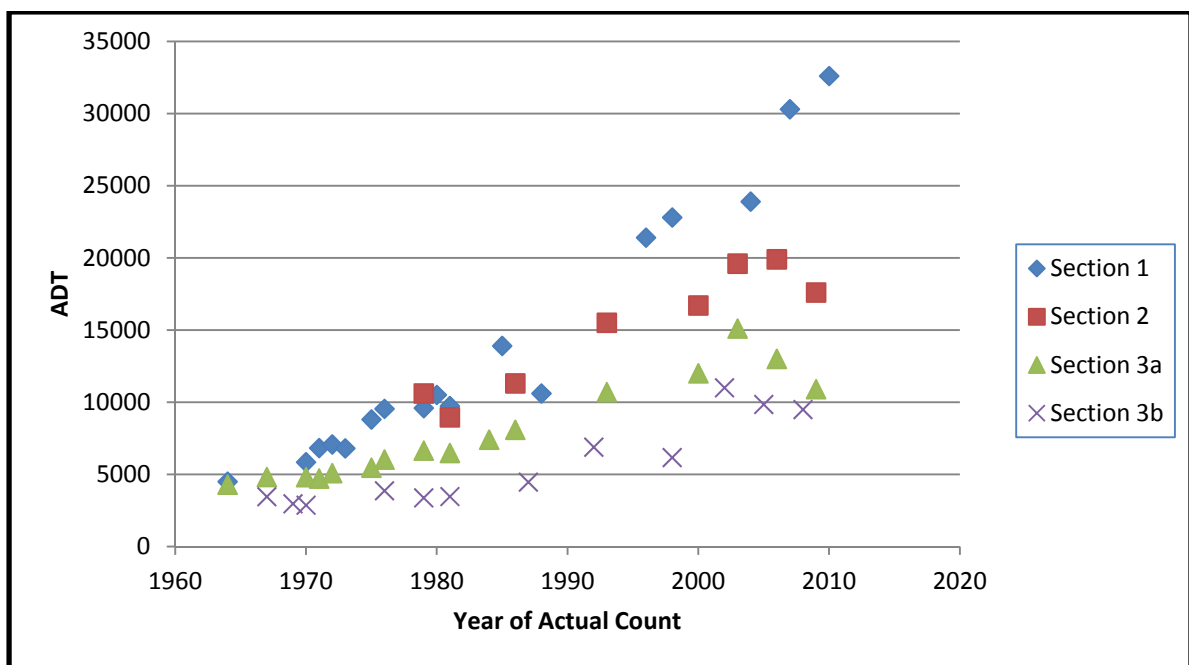


Figure 3: Historic Traffic Counts on KY 54

The last actual traffic counts for these sections are:

- Section 1 – 32,600 in 2010
- Section 2 – 17,600 in 2009
- Section 3a – 10,900 in 2009
- Section 3b – 9,490 in 2008

It can be seen in **Figure 3** that traffic has declined in the past few years for all the sections except Section 1 which has experienced a noticeable increase. There was a drop in ADT for what is referenced as Section 2 which also has a 5-lane typical section. This decrease in ADT may be due to the opening of a back way into Wal-Mart for local residents. Sections 3a and 3b have also experienced a recent decline in ADT.

G. Capacity

There is congestion in the area of the five-lane section of KY 54 near the bypass especially near Highland Elementary School. When school is in session, the traffic back-up from the school reduces the roadway to one through lane. In the past, the ramp backed up to US 60 (formerly US 60 Bypass) during school time. A traffic detecting loop was put in place to give added green time to the signal in the afternoons to eliminate back-ups onto US 60.

Given the recent traffic counts, the capacity of the existing two-lane roadway, Section 3, may become an issue in the future. The potential for development on KY 54 could impact the capacity of the roadway.

H. Safety

Collision data was obtained from the Kentucky State Police database for a three year period from January 1, 2008 to December 31, 2010 for the project limits on KY 54. **Figure 4** displays the location of the collisions along the 5-lane segment (Sections 1 & 2) and their manner of collision.

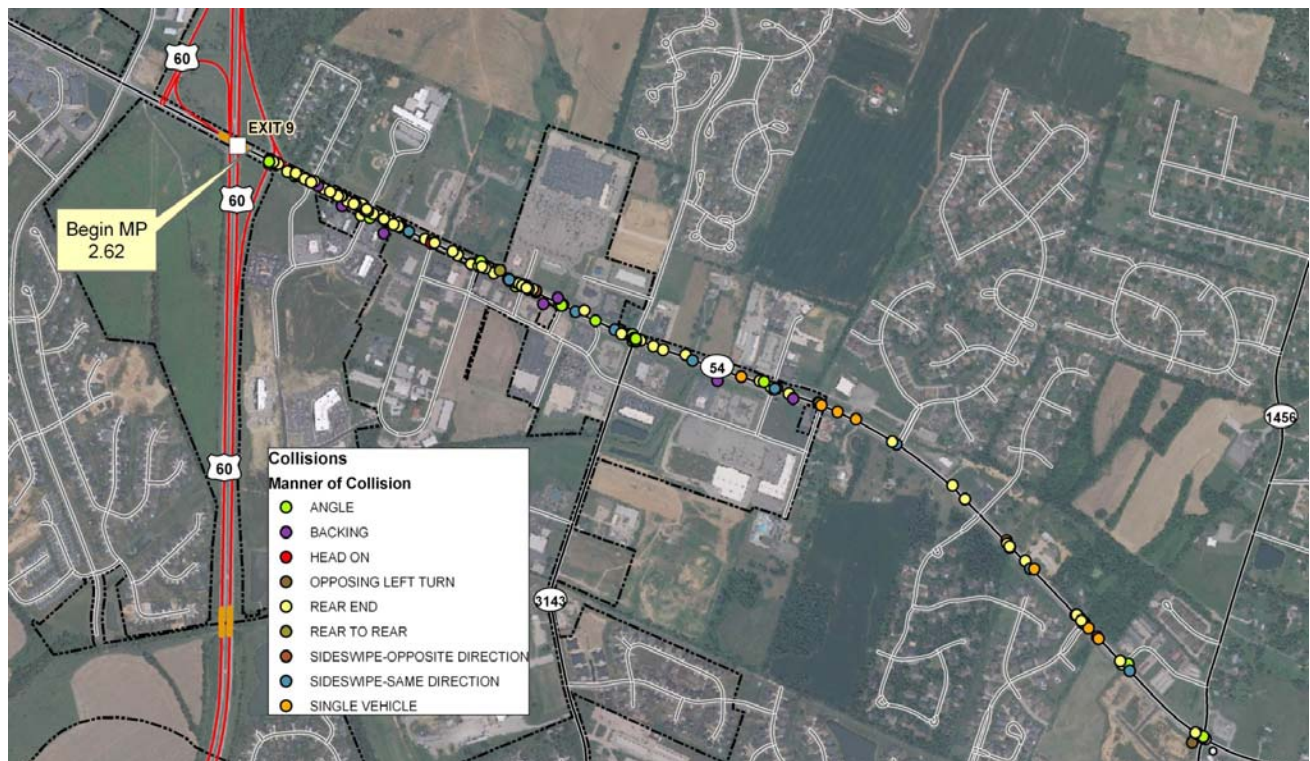


Figure 4: Collision Locations Sections 1 & 2

The following is a summary of the collisions for Sections 1 & 2 during the analysis period:

- 1 fatality
- 35 Injury collisions
- 244 Total collisions
- Section 1 CRF = 1.10
- Section 2 CRF = 0.54

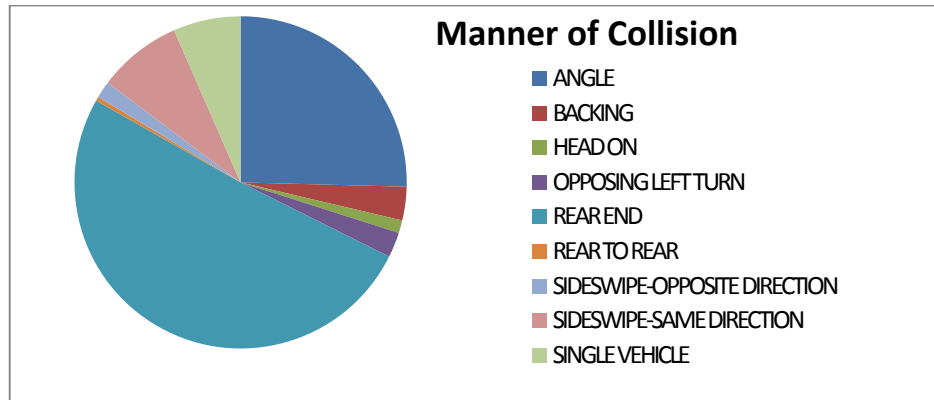


Figure 5: Manner of Collisions, Sections 1 & 2

Approximately half of the reported collisions were rear ends, and one-fourth were angle collision with the majority occurring at the more congested, western end of the project.

Figure 6 displays the location of the collisions along the 2-lane segment (Section 3) and their manner.

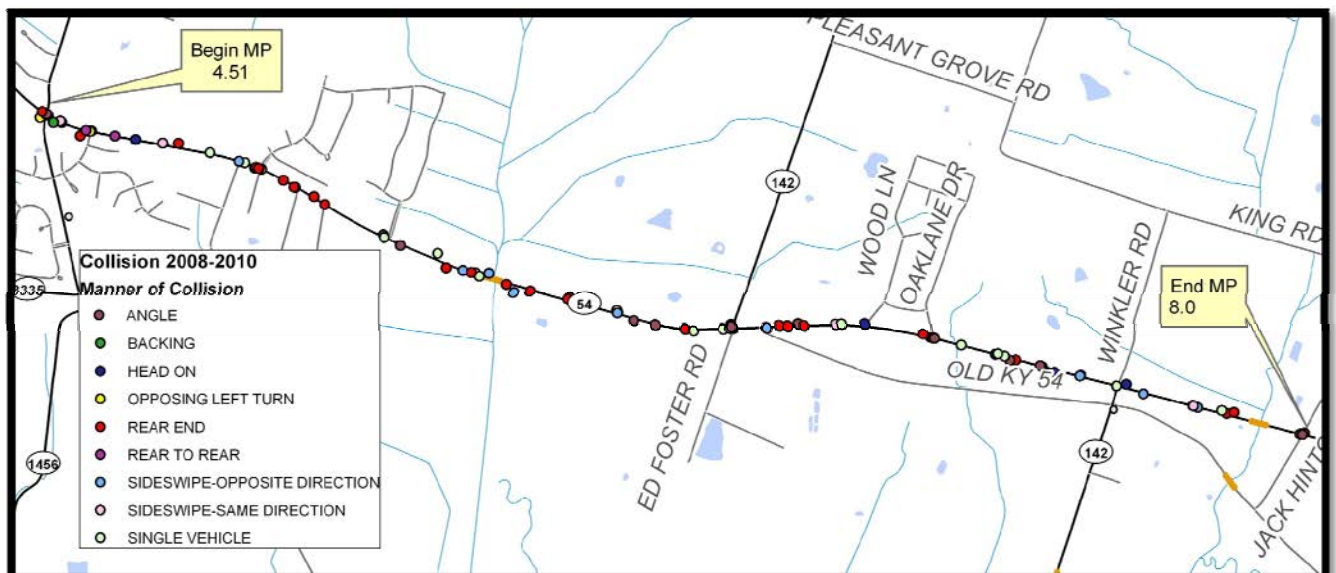


Figure 6: Collision Locations Section 3

The following is a summary of the collisions for Section 3 during the analysis period:

- 0 fatalities
- 29 Injury collisions
- 96 Total collisions
- Section CRF = 0.55

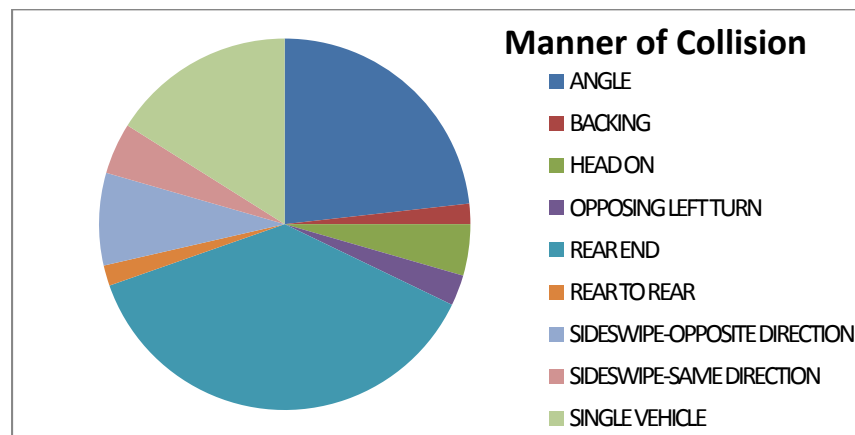


Figure 7: Manner of Collisions, Section 3

Although there was some clustering of the collisions in the location of intersections, the collisions on Section 3 were scattered throughout the corridor. No night/day or weather pattern could be determined. Most of the collisions were rear ends, single vehicle, and angle collisions.

The Critical Rate Factor (CRF) is the ratio of the actual crash rate on a segment of highway for a given time period as compared to the average crash rate of other similar roads in Kentucky. A CRF greater than 1.00 indicates the segment of roadway may have a statistically significant number of crashes. Section 1 has a CRF slightly higher than 1.0. The CRF for Sections 2 and 3 is 0.54 and 0.55, respectively. More detailed collision data can be viewed in **Appendix C**.

I. Roadway Deficiencies

a. Mainline Geometrics

Sections 1 and 2 were recently reconstructed as an urban section with four 12-ft lanes, a center turn lane, curb and gutter, and sidewalks. These sections meet KYTC's Common Geometric Practices for Urban Arterials. There are several signalized and non-signalized intersections and access points throughout the section. A summary of existing conditions can be viewed in **Table 1**.

Section 3 was built in the 1950s, and currently has a rural template with 11-ft lanes and 2-ft shoulders. This section is currently classified as an Urban Minor Arterial. KYTC's Common Geometric Practices for Urban Arterial Streets (see **Appendix D**) recommends 12-ft lanes with curb and gutter and sidewalk. The existing alignment is within the minimum criteria for horizontal curvature and grade. There are several access points throughout the route. A summary of existing conditions can be viewed in **Table 2**.

None of the sections appear to have significant drainage problems. FIRM maps of the area can be viewed in **Appendix E**.

Pictures for each section can be viewed in **Appendix F**. The plan sheets for the existing roadway can be viewed in **Appendix G**.

b. Bridges

There are two bridges located within the project limits, Bridge #0310B00017N over Barnett Creek and Bridge #030B00018N over Caney Creek. Neither of these are structurally deficient with Sufficiency Ratings of 66 for each bridge. The bridges are currently only wide enough to provide two lanes of traffic with roadway widths of 25.9-ft and 27.9-ft. They are also considered functionally obsolete due to substandard bridge rails. Additional information can be viewed in the Structure Inventory and Appraisal Sheets located in **Appendix H** and in **Table 2**.

Table 1: Existing Conditions and Data Summary – Sections 1 & 2

County:	<u>Daviess</u>	Road Name:	<u>Owensboro – Whitesville Road</u>
Route Number(s):	<u>KY 54</u>		
Item No.:	<u>02-8300.00</u>		
BMP:	<u>2.62</u>	EMP:	<u>4.5</u>
Segment Length:	<u>1.88 miles</u>		
Rdwy. Class.:	<u>Urban Principal Arterial</u>	State Class.:	<u>State Primary</u>
Truck Class:	<u>AAA</u>		
ADT (current):	<u>Sect 1-32,615, Sect 2-17,200</u>		
Terrain:	<u>Flat, Rolling</u>	Access Control:	<u>By Permit</u>
Posted Speed:	<u>45-55 MPH</u>	Median Type:	<u>TWLT</u>
Funding Type:	<u>D-SPP, R-SP, U-SP</u>		

Roadway Data:

	<u>Existing Conditions</u>	<u>Design Criteria</u>
No. of Lanes	4	Min. 2
Lane Width	12 ft	Min. 11 ft
Shoulder Width	Curbed	Curbed
Minimum Radius	1909.88 ft	1060 ft*
Maximum Grade	3%	6%
Sidewalk	4 ft	Min. 4 ft
		<i>* From AASHTO's Policy on Geometric Design of Highway and Street, Ex. 3-15, 55 MPH Design Speed, 6% eMax</i>
Adequacy Rtg %:	Sect 1 - 47 th Sect 2 – 84 th	

Table 2: Existing Conditions and Data Summary – Section 3

County:	<u>Daviess</u>		
Route Number(s):	<u>KY 54</u>	Road Name:	<u>Owensboro – Whitesville Road</u>
Item No.:	<u>02-8300.00</u>		
BMP:	<u>4.5</u>	EMP:	<u>8</u>
Project Length:	<u>3.5 miles</u>		
Rdwy. Class.:	<u>Urban Minor Arterial</u>	State Class.:	<u>State Secondary</u>
Truck Class:	<u>AAA</u>		
ADT (current):	<u>10,200-12,100</u>		
Terrain:	<u>Rolling</u>	Access Control:	<u>By Permit</u>
Posted Speed:	<u>45-55 MPH</u>	Median Type:	<u>Undivided</u>
Funding Type:	<u>D-SPP, R-SP, U-SP</u>		

Roadway Data:

	<u>Existing Conditions</u>	<u>Design Criteria</u>
No. of Lanes	2	2
Lane Width	11 ft	11 ft
Shoulder Width	2 ft	Curbed
Minimum Radius	2865 ft	960 ft*
Maximum Grade	4%	6%
		<i>* From AASHTO's Policy on Geometric Design of Highway and Street, Ex. 3-15, 55 MPH Design Speed, 8% eMax</i>
Adequacy Rtg %:	95 th	

Bridge Data:	<u>030B00017N</u>	<u>030B00018N</u>
Max. Span Length	29.9 ft	24.9 ft
Length	99.1 ft	84 ft
Width, out to out	31.0 ft	33.5 ft
Width, curb to curb	25.9 ft	27.9 ft
Sufficiency Rating	66	66
Year Built	1954	1960

III. PRELIMINARY ENVIRONMENTAL OVERVIEW

Currently this project is listed as being state funded, therefore, not requiring an Environmental Document. Since there are potentially two (2) stream crossings, Burnett Creek and Caney Creek, involved the likelihood of an Army Corps of Engineers (USACE) permit exists. If a permit is required, then an environmental document will be necessary.

A. Air Quality

Daviess County is currently in attainment for all monitored air pollutants.

B. Archaeology

All additional right of way or permanent easement will require a Phase I archaeology survey.

C. Threatened and Endangered Species

The United States Fish and Wildlife Service (USFWS) has identified the known and potential presence of threatened and endangered species in Daviess County (**Table 3**). During a site visit on February 17, 2011, potential habitat was observed for the bat species and several of the mussel species. A biological assessment should be completed prior to construction to assess the potential impact to threatened and endangered species.

Table 3 – USFWS listing of Threatened and Endangered Species in Daviess County

Group	Species	Common Name	Legal Status	Known Potential
Mammals	<i>Myotis sodalis</i>	Indiana bat	E	K
Mussels	<i>Plethobasus cooperianus</i>	orangefoot pimpleback	E	P
	<i>Plethobasus cyphus</i>	sheepnose	E	P
	<i>Pleurobema clava</i>	clubshell	E	P
	<i>Pleurobema plenum</i>	rough pigtoe	E	P
	<i>Potamilus capax</i>	fat pocketbook	E	P
	<i>Cyprogenia stegaria</i>	fanshell	E	P
	<i>Lampsilis abrupta</i>	pink mucket	E	P

C. Hazardous Materials

During the February 17, 2011 site visit the presence of two (2) gasoline stations were noted on the potential project. Franey's Shell station is located at the intersection of KY 1456 & KY 54. A Kangaroo station is located near the intersection of Old KY 54 & KY 54. If any right of way or permanent easement is required from either station, then a Phase II Hazardous Material investigation would be required to rule out the possibility of any Underground Storage Tank (UST) leakage. If the two bridges are to be replaced on the project, then they should be tested for asbestos mastic prior to demolition.

E. Historic Resources

There were several homes noted on the project that were 50 years old or older. A thorough assessment of local residences would be required to gauge their eligibility for listing on the National Register of Historic Places. An example of the structures observed is noted below in **Figure 8**.



Figure 8: Property Potentially Eligible for the National Register of Historic Places

F. Permitting

Any impacts below the ordinary highwater mark within either Burnett Creek or Caney Creek will need a USACE 404 Permit.

G. Noise

The scope of the project should not require additional noise analyses.

H. Socioeconomic

Socioeconomic impacts should not be an issue on this project.

I. Section 4(f) Resources

If either the archaeology sites or residences located nearby are ruled eligible for the National Register of Historic Places they could also be afforded protection under Section 4(f). KYTC has options to mitigate and avoid impacts to Section 4 (f) resources including a Programmatic Agreement for mitigating historic properties, using 'de minimus' guidance for minor strip takings.

J. Section 6(f) Resources

No potential Section 6(f) resources were observed on this potential project.

IV. PRELIMINARY PROJECT INFORMATION

A. Utilities

A summary of the utility contacts in the project area is below.

Big Rivers Electric Dale Rector 270-827-2561	OMU Electric Dale Harris 270-926-3200
Kentucky Utilities Terry Moore 270-383-6000	Time Warner Cable Brent Rafferty 270-222-0861
RWRA (Sewer) Dean Behnke 270-687-5450	Atmos Energy Jim Capps 270-685-8103
AT&T Larry Crabtree 270-685-7609	KDL Communications Jesse Chapman 812-759-7955
South East Daviess County Water Perry Higdon 270-685-5594	OMU water Matt Alvey 270-926-3200
City Of Whitesville Water Kevin Merritt 270-233-5666	

A preliminary sketch of the approximate location of some of the utilities in the project area can be viewed in **Figure 9**. This information was obtained from GIS databases. The location of utilities will need to be verified as the project survey is completed in Phase I Design.

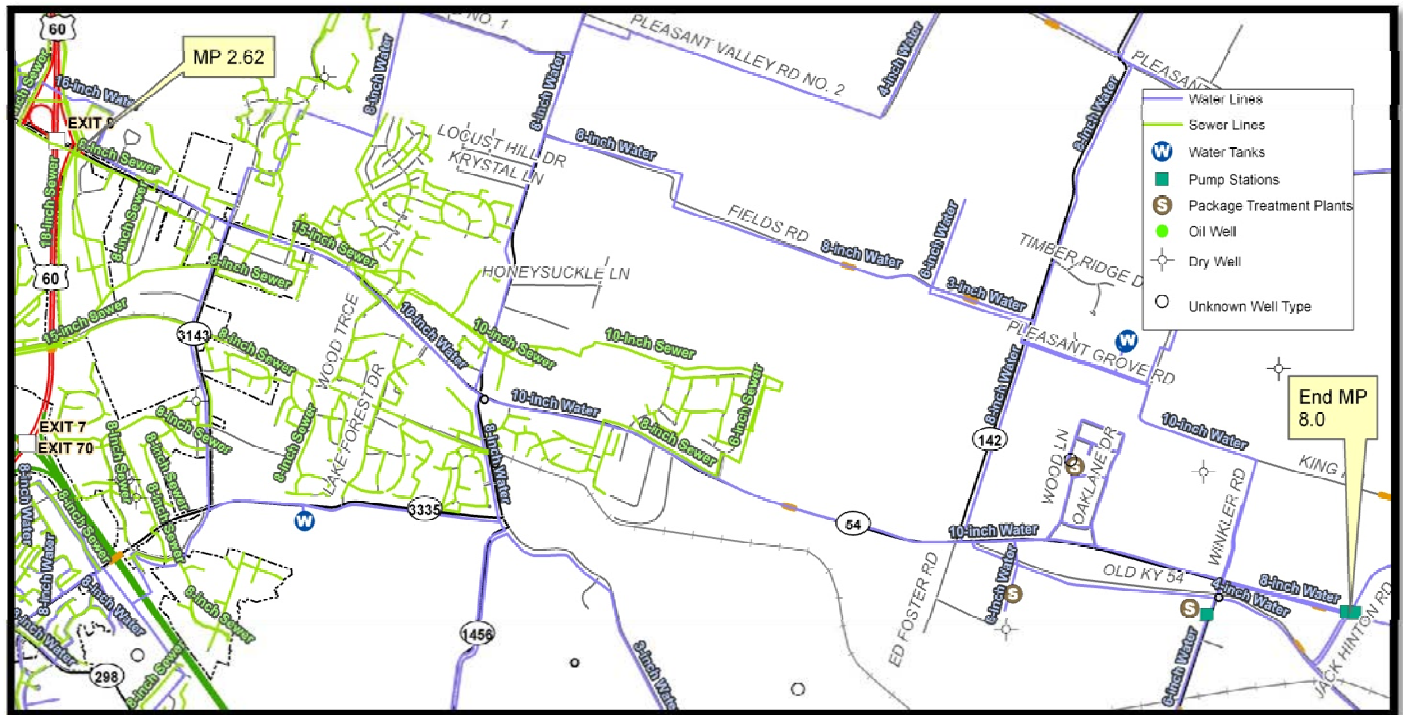


Figure 9: Utility Locations

B. Agency Coordination

The Project Team met on April 18, 2011 to review and discuss the project and the DNA study. Existing conditions information, future development, and current work on the ramps with US 60 were discussed. Some alternatives were also discussed. The minutes of this meeting can be reviewed in **Appendix I**.

V. PROJECT PURPOSE AND NEED STATEMENT

A Purpose and Need Statement is the foundation for project decision-making and is needed for projects requiring NEPA documentation. Based upon the information presented in Section II of this report and discussion of the project team, the following Purpose and Need Statement was drafted for this project:

KY 54 near the interchange with US 60 is congested during peak traffic periods. Growth along this corridor is expected to continue. There are also collision patterns at intersections

with KY 54 and a high CRF on the more developed section of KY 54. KY 54 connects the communities of Whitesville and Owensboro. **The purpose of this study is to address the congestion of KY 54 during peak periods and to improve the safety, mobility, and connectivity between Owensboro and Whitesville.**

VI. POSSIBLE ALTERNATIVES

The following are the alternatives analyzed and discussed during the development of this study.

A. Alternative #1 - No Build

This alternate does not adequately address the purpose and need for the project.

B. Alternative #2 – Widen KY 54

Widen KY 54 from 5 lanes to 7 lanes from MP 2.62 to MP 3.318 (0.698 miles) using an urban template with 6 thru lanes, a middle turn lane, curb and gutter, and sidewalk to address the congestion issues in this section. Widen KY 54 from 2 lanes to 3 lanes from MP 4.505 to a logical stopping point considering the funding allocated for the project. If there is enough funding available, stopping at Countryside Drive where the school entrance is located (MP 5.485) should be considered. Past this intersection there is a significant length of roadway with no development. Also, stopping at this point would avoid the expense of widening or replacing the bridges located over Barnett Creek and Caney Creek located further down the corridor. The widening of approximately 0.98 miles would utilize an urban template with 2 thru lanes, a middle turning lane, curb and gutter and sidewalk.

Although the project was initially thought to include widening KY 54 from MP 4.505 to MP 8.0 (Section 3), it was determined that traffic volumes are decreasing on this section while increasing significantly from MP 2.62 to MP 3.318 (Section 1). Section 2 is not addressed in this alternative because the current 5-lane template adequately serves traffic volumes on this section. A sketch of the project limits for this alternative can be viewed in **Figure 10**.

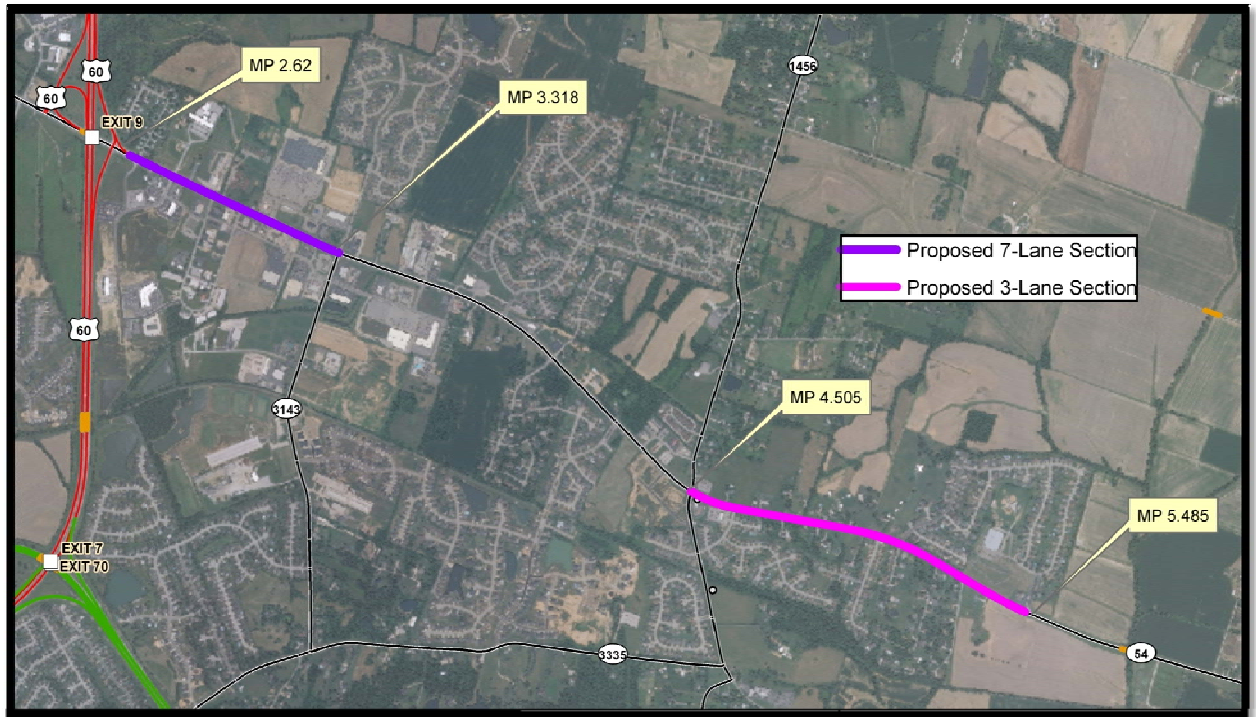


Figure 10: Alternative #2

C. Alternative #3 – Provide Turning Lanes on KY 54 for intersection with Stonegate Dr./Shell Dr. and Jack Hinton Rd.

There were clusters of collisions around some of the intersections on the 2-lane section of KY 54 that may be addressed by providing a turning lane to remove turning vehicles from mainline traffic. A left turn lane for Stonegate Drive and Jack Hinton Road could be considered. See the aerial of the intersections in **Figures 11** and **12**. Jack Hinton currently has a caution light.

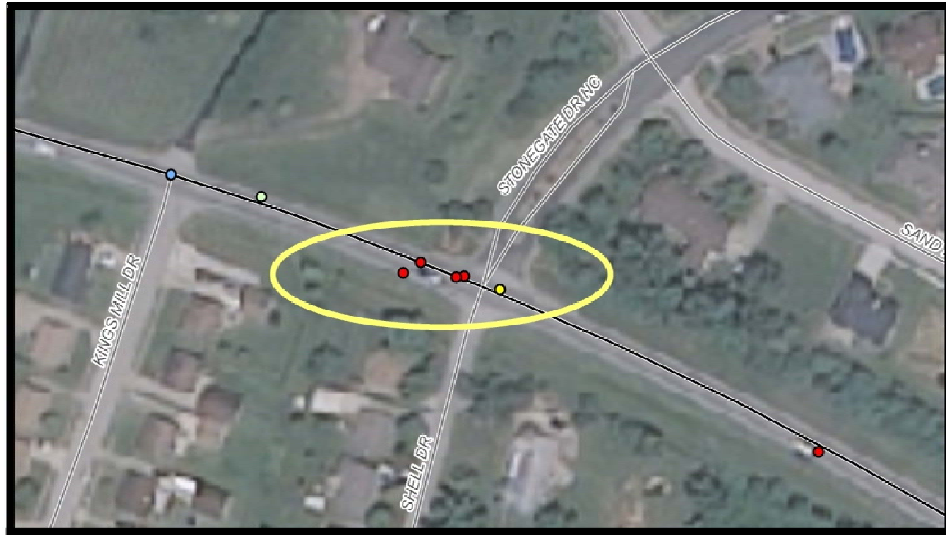


Figure 11: Possible Turning Lane Location



Figure 12: Possible Turning Lane Location

VII. SUMMARY

This study is a Data Needs Analysis (DNA) of a roadway project for the KY 54 corridor in Daviess County, Item Number 2-8300.00. Through analysis of the existing roadway

geometrics, crash data, site visits, and discussion with the project team, several needs were identified within the project limits. The following were identified as project needs:

- KY 54 near the interchange with US 60 is congested during peak traffic periods. Growth along this corridor is expected to continue.
- There are collision patterns at intersections with KY 54.
- KY 54 connects the communities of Whitesville and Owensboro

The purpose of this study is to address the congestion of KY 54 during peak periods and to improve the safety, mobility, and connectivity between Owensboro and Whitesville.

Included in the alternates were a no build recommendation, a widening alternative, and spot improvements for turn-lanes. After review of the data and discussion at the project team meeting it was determined that Alternative #2, widening of KY 54 from 5 to 7 lanes from MP 2.62 to MP 3.318, and from 2 to 3 lanes (urban template) from MP 4.505 to MP 5.485, would best address the purpose and need for the project. The following is the preliminary cost estimated for Alternative #2:

<u>Phase</u>	<u>Estimate</u>
Design	\$2,820,000
Right of Way	\$7,500,000
Utilities	\$7,500,000
Construction	<u>\$15,990,000</u>
Total	\$33,810,000

This is a preliminary cost estimate and the construction estimate is based on cost per unit. The estimate is within the funding listed in the current Highway Plan (phases D, R, and U).

Appendix B – UPL Project Information Forms



UNSCHEDULED NEEDS



NEW PIF <> SEARCH <> STATUS

DIVISION OF PLANNING

ADMIN <> HELP <> LOGOUT

GENERAL INFO ROW/UTIL ECO/SOCIAL ENV/AIRQLTY COST EST HIGHWAY ATT PIF STATUS RANKING

[SECONDARY ROUTE](#) [EDIT IMAGES](#)

GENERAL INFORMATION

The PIF has an attachment. Click this Image for PDF:



Control No:

Requestor Name:

Requestor Title:

Requested By Date:

Form Completed By:

Title/Organization:

Form Completed Date:

District:

County:

Prefix:

Route No:

Route Type:

Suffix:

BMP :

Length:

Existing Studies:

Status: Active

Mode: Highways

Type: Major widening

ADD:

MPO: Owensboro

Urban Area:

Parent Control No:

RSE Unique No:

State System:

Functional System:

EMP:

BMP	EMP	SPRS
0	4.5050	State Primary (Other)
4.5050	17.6190	State Secondary

BMP	EMP	FC
0	4.5050	Urban Principal Arterial
4.5050	8.0030	Urban Minor Arterial Street
8.0030	17.6190	Rural Major Collector

Project Description:

Regional Goal:

Last Updated By:

Last Updated Date:

Possible Funding source: IM NH HES BR STP SP TE CMAQ PLH

Other:

Highway Network: Non NHS NHS NN Scenic Way Coal Haul Bike Forest
Strahnet Ext Weight ADHS

[Save](#) [Cancel](#)





UNSCHEDULED NEEDS



NEW PIF <> SEARCH <> STATUS

DIVISION OF PLANNING

ADMIN <> HELP <> LOGOUT

GENERAL INFO ROW/UTIL ECO/SOCIAL ENV/AIRQLTY COST EST HIGHWAY ATT PIF STATUS RANKING

RIGHT OF WAY

Avg. Width:

Source: HIS Plans Microfilm

Other:

Current Primary Use: Industrial Commercial Residential Farmland

Other:

Project may require additional R/W: False True

Possible Number of Relocations: Homes Businesses

Comments:

UTILITIES

Existing Utilities: Electrical Gas Telephone Cable
Sewer Water ITS None

Other:

Project may require Utility Relocations: False True

Comments:

[Save](#)





UNSCHEDULED NEEDS



NEW PIF <> SEARCH <> STATUS

DIVISION OF PLANNING

ADMIN <> HELP <> LOGOUT

GENERAL INFO ROW/UTIL ECO/SOCIAL ENV/AIRQLTY COST EST HIGHWAY ATT PIF STATUS RANKING

ECONOMIC IMPACT

Planning/Zoning Reg exist in Community: False True

Project may affect established Business, Commercial or Industrial districts: False True

Economic impacts on regional/local economy: False True Development Retail Sales Tax Revenues Other Emp Opportunity

Comments:

Direct access to major points of interest: False True Nat'l/St Parks Historic Sites Monuments US Public Land Amusement Parks Other

Comments:

Direct access to major traffic generators: False True Shopping Centers Military Installations Schools Other Industries

Comments:

MULTIMODAL

This Project is a candidate for:(Check all that apply): Bicycle Paths Sidewalks Shared-Use Paths Park/Ride Lots N/A

Project Improves direct access to:(Check all that apply): Airports Railways Riverports Trucking routes N/A

Type of Public Transportation Available: Fixed routes Demand Response

Comments:

SOCIAL IMPACT

This Project May affect:(Check all that apply): Neighborhood/community Cohesion Travel Patterns (vehicular, commuter, bicycle, pedestrian) Household relocations Elderly, disabled, nondrivers, minorities, low-income persons No adverse effects to neighborhoods apparent

Comments:

[Save](#)





UNSCHEDULED NEEDS



NEW PIF <> SEARCH <> STATUS

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GENERAL INFO ROW/UTIL ECO/SOCIAL ENV/AIRQLTY COST EST HIGHWAY ATT PIF STATUS RANKING

ENVIRONMENTAL IMPACT

Environmental Impact:	Blue Line Streams	Wetlands	Floodplain
	Wildlife Managed Areas	Historic Properties	Cemeteries
	Schools	Churches	Endangered species
	Public land/Park	Noise Impact	Arch. Sites
	NR Properties	Potential NR Properties	
	Other:		
Potential Contaminated sites:	Gas Stations	Landfills	Auto Repair
	Junkyards		
	Other:		

Comments:

AIR QUALITY

Maintenance or Nonattainment Area:	False	True	Ozone	PM
Adds through Lane Capacity:	False	True		
Congestion Management Plan:	False	True		
Project is included in TIP/STIP:	False	True		

Comments:

[Save](#)





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COST ESTIMATE

PIF #: 02 030 D0054 18.00

Revision #: 1

BMP: 4.505

EMP: 8.003

Last Updated By: 6/22/2010 4:18:36 PM

Last Updated Date:

Estimate Class: Requires Further Study

Per Mile

Terrain:

BMP	EMP	TERRAIN
3.3180	4.5050	Rolling
4.5050	8.0030	Rolling
8.0030	15.1720	Flat

Detailed Estimate with Calculations Attached

EstimateAssumptions:

Planning: No Records

Design: No Records

Right of Way: No Records

Utilities: No Records

Construction: No Records

Planning:

Design:

Right of Way:

Original Estimate:

Utilities:

Construction:

Total Cost:

Estimate Procedure Used:

Attachments: Location Map Photograph(s) Others: Sheet showing Cost Estimate

Comments:





UNSCHEDULED NEEDS



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GENERAL INFO ROW/UTIL ECO/SOCIAL ENV/AIRQLTY COST EST HIGHWAY ATT PIF STATUS RANKING

HIGHWAY ATTRIBUTES

This PIF has Proposals, Update the fields to Edit and Click 'Save Changes'

PIF #: 02 030 D0054 18.00

BMP: 4.505

EMP: 8.003

Last Updated By:

Last Updated Date: 6/22/2010 4:21:46 PM

Adequacy Rating Range

	From	To	Problem Statement
Adequacy Rating:	87	95	
CRF:	0.3390	0.8690	
IRI:	50.73	159.40	
V/SF:	0.27	0.38	
ADT:	10200	18700	
% Trucks (Single):	4	4	
% Trucks (Combination):	3.10	3.10	
Speed Limit:	45	55	
ProjectedADT (HDO)/Year:	% Growth:		ProjectedADT:

Miscellaneous Roadway Conditions

Access Control:	BMP	EMP	TYPE
	0	17.6190	None

Proposed Access Control: Partial *

Lane Width:	BMP	EMP	WIDTH	LANES
	4.5050	17.6190	11	2
	1.2740	4.5050	12	4

Proposed Lane Width: *

Proposed Lanes: *

MedianType:

BMP	EMP	WIDTH	TYPE
0	17.6190		None

Proposed Median Type: None *

Proposed Median Width: *

Shoulders:

BMP	EMP	WIDTH	TYPE	X SECT
2.7380	4.5050	2	Curbed	CR
2.7380	4.5050	2	Curbed	NR
4.5050	14.4150	2	Paved w/ Bituminous Material	CR
4.5050	14.4150	2	Paved w/ Bituminous Material	NR

Proposed Shoulder Type: Paved w/ Bituminous Material *

Proposed Shoulder Width: *

No. of Bridges:

Traffic Loop:

Other Improvement Projects in Area: None SYP Resurface Others

Comments:

[Save](#)
[Changes](#)





UNSCHEDULED NEEDS



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GENERAL INFO ROW/UTIL ECO/SOCIAL ENV/AIRQLTY COST EST HIGHWAY ATT PIF STATUS RANKING

RANKING

Click the 'Add Rank' button below to Rank this PIF

	RANK TYPE	YEAR	PRIORITY	RANK	TIER	OVERALL	UPDATED BY	UPDATED DATE
Edit	LOCAL	2001	HIGH	0			sowjanya.burugupalli	3/10/2010 12:53:50 PM
Edit	REGIONAL	2001	HIGH	1			sowjanya.burugupalli	3/10/2010 12:54:17 PM
Edit	DISTRICT	2001	HIGH	0			sowjanya.burugupalli	3/10/2010 12:55:15 PM
Edit	LOCAL	2003	NONE	0	3		sowjanya.burugupalli	3/10/2010 2:10:17 PM
Edit	REGIONAL	2003	HIGH	3	3	3	sowjanya.burugupalli	3/10/2010 2:26:12 PM
Edit	DISTRICT	2003	HIGH	1	3	1	sowjanya.burugupalli	3/10/2010 2:29:01 PM
Edit	LOCAL	2005	HIGH	0			sowjanya.burugupalli	4/5/2010 11:21:25 AM
Edit	REGIONAL	2005	HIGH	1		4	sowjanya.burugupalli	4/5/2010 11:27:35 AM
Edit	DISTRICT	2005	HIGH	3		4	sowjanya.burugupalli	4/5/2010 12:37:55 PM
Edit	LOCAL	2007	HIGH	0				6/22/2010 4:30:46 PM
Edit	REGIONAL	2007	NONE	0			sowjanya.burugupalli	4/5/2010 1:29:02 PM
Edit	DISTRICT	2007	NONE	0			sowjanya.burugupalli	4/5/2010 1:37:38 PM
Edit	LOCAL	2009	HIGH	0				6/22/2010 4:30:41 PM
Edit	REGIONAL	2009	NONE	0			sowjanya.burugupalli	4/5/2010 4:30:32 PM
Edit	DISTRICT	2009	NONE	0			sowjanya.burugupalli	4/5/2010 4:31:01 PM

[Add Rank](#)



Appendix C – Collision Data

MASTER FILE NUMBER	INVESTIGATING AGENCY	ROADWAY NAME	LATITUDE	LONGITUDE	MILEPOINT DERIVED	COLLISION DATE	COLLISION TIME	INTERSECTION ROADWAY NAME	BETWEEN STREET ROADWAY NAME 1	BETWEEN STREET ROADWAY NAME 2	UNITS INVOLVED	MOTOR VEHICLES INVOLVED	KILLED	INJURED	WEATHER	ROADWAY CONDITION	DIRECTIONAL ANALYSIS	MANNER OF COLLISION	ROADWAY CHARACTER	LIGHT CONDITION
70522961	OWENSBORO POLICE DEPARTMENT	KY54	37.7526379	-87.0566285	3.447	1/12/2008	1258				2	2	0	0	0 CLEAR	DRY	1 VEHICLE ENTERING/LEAVING ENTRANCE	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70528074	OWENSBORO POLICE DEPARTMENT	KY54	37.7564205	-87.0676967	2.814	1/28/2008	1101		WIMSATT	HIGHLAND	3	3	0	2	2 CLOUDY	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & GRADE	DAYLIGHT
70536124	OWENSBORO POLICE DEPARTMENT	KY54	37.7558444	-87.0661442	2.908	2/20/2008	1624		ALVEY PARK	HIGHLAND	2	2	0	0	0 CLEAR	DRY	REAR END IN TRAFFIC ONE VEHICLE STOPPED	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70542084	OWENSBORO POLICE DEPARTMENT	KY54	37.7540229	-87.0611887	3.203	3/7/2008	1730	PLAZA			2	2	0	0	0 SNOWING	DRY	ANGLE COLLISION - ONE VEHICLE TURNING RIGHT	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70542089	OWENSBORO POLICE DEPARTMENT	KY54	37.7538666	-87.060204	2.855	3/7/2008	1938	NO NAME			2	2	0	0	0 SNOWING	DRY	ANGLE COLLISION - ONE VEHICLE TURNING RIGHT	ANGLE	STRAIGHT & LEVEL	DARK-HWY LIGHTED/ON
70543106	OWENSBORO POLICE DEPARTMENT	KY54	37.7532098	-87.0586899	3.328	3/10/2008	1623		COMMONWEALTH	FAIRVIEW	2	2	0	0	0 CLEAR	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70546123	OWENSBORO POLICE DEPARTMENT	KY54	37.7531899	-87.0589312	3.324	3/18/2008	1611	FAIRVIEW			2	2	0	0	0 RAINING	WET	ANGLE COLLISION - BOTH VEHICLES GOING STRAIGHT	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70548565	OWENSBORO POLICE DEPARTMENT	KY54	37.7534545	-87.0594964	3.286	3/25/2008	1409		FAIRVIEW	NO NAME	2	2	0	0	0 CLOUDY	DRY	SIDESWIPE COLLISION - SAME DIRECTION	SIDESWIPE-SAME DIRECTION	STRAIGHT & LEVEL	DAYLIGHT
70550386	DAVISS COUNTY SHERIFF DEPT.	KY54	37.7562952	-87.0445556	4.261	3/30/2008	0550				1	1	0	0	0 CLEAR	DRY	COLLISION WITH ANIMAL	SINGLE VEHICLE	STRAIGHT & LEVEL	DARK-HWY NOT LIGHTED
70551921	OWENSBORO POLICE DEPARTMENT	KY54	37.754478	-87.062252	3.143	4/6/2008	1915				1	1	0	0	0 CLEAR	DRY	COLLISION WITH FIXED OBJECT NON - INTERSECTION - FIRST EVENT COLLISION 09 - 32 EXCLUDING	SINGLE VEHICLE	STRAIGHT & LEVEL	DUSK
70552183	DAVISS COUNTY SHERIFF DEPT.	KY54	37.7570256	-87.0694546	2.661	4/1/2008	1955				2	2	0	0	0 CLOUDY	DRY	1 VEHICLE ENTERING/LEAVING ENTRANCE	ANGLE	STRAIGHT & GRADE	DARK-HWY LIGHTED/ON
70552571	OWENSBORO POLICE DEPARTMENT	KY54	37.7570363	-87.0693641	2.664	4/7/2008	1751				2	2	0	0	0 CLEAR	DRY	OTHER ROADWAY OR MID-BLOCK COLLISION	REAR END	STRAIGHT & GRADE	DAYLIGHT
70553833	OWENSBORO POLICE DEPARTMENT	KY54	37.75618	-87.0671052	2.851	4/11/2008	1653	HIGHLAND			2	2	0	2	2 CLOUDY	DRY	ANGLE COLLISION - ONE VEHICLE TURNING LEFT	ANGLE	STRAIGHT & GRADE	DAYLIGHT
70554021	OWENSBORO POLICE DEPARTMENT	KY54	37.7547974	-87.067277	3.114	4/12/2008	1446				2	2	0	0	0 CLOUDY	DRY	REAR END IN TRAFFIC ONE VEHICLE STOPPED	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70554866	DAVISS COUNTY SHERIFF DEPT.	KY54	37.7439532	-87.0411407	4.504	4/15/2008	0757	THRUSTON DERMONT			2	2	0	2	2 CLEAR	DRY	ANGLE COLLISION - OTHER	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70555108	OWENSBORO POLICE DEPARTMENT	KY54	37.7573683	-87.0702134	2.62	4/15/2008	1430	US608 RAMP			2	2	0	1	1 CLEAR	DRY	ANGLE COLLISION - ONE VEHICLE TURNING LEFT	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70557121	DAVISS COUNTY SHERIFF DEPT.	KY54	37.7456478	-87.0436687	4.322	4/17/2008	1618				2	2	0	0	0 CLEAR	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70558420	OWENSBORO POLICE DEPARTMENT	KY54	37.7558373	-87.0651922	2.906	4/25/2008	1349				2	2	0	0	0 CLEAR	DRY	1 VEHICLE ENTERING/LEAVING ENTRANCE	ANGLE	STRAIGHT & GRADE	DAYLIGHT
70560476	OWENSBORO POLICE DEPARTMENT	KY54	37.7562077	-87.0671793	2.846	5/1/2008	0727	HIGHLAND	ALVEY PARK	HIGHLAND	2	2	0	0	0 CLEAR	DRY	ANGLE COLLISION - ONE VEHICLE TURNING LEFT	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70563933	DAVISS COUNTY SHERIFF DEPT.	KY54	37.7552043	-87.0643829	3.015	5/7/2008	0520				1	1	0	0	0 CLEAR	DRY	COLLISION WITH ANIMAL	SINGLE VEHICLE	STRAIGHT & LEVEL	DAWN
70563941	DAVISS COUNTY SHERIFF DEPT.	KY54	37.7485542	-87.047294	4.041	5/3/2008	0506				1	1	0	0	0 CLEAR	DRY	COLLISION WITH ANIMAL	SINGLE VEHICLE	STRAIGHT & LEVEL	DARK-HWY NOT LIGHTED
70564943	KY STATE POLICE, POST 16	KY54	37.7439004	-87.0410617	4.51	5/9/2008	1512				2	2	0	2	2 CLOUDY	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DAYLIGHT
7056478	OWENSBORO POLICE DEPARTMENT	KY54	37.7559364	-87.065097	2.9	5/20/2008	1453				2	2	0	0	0 CLEAR	DRY	ANGLE COLLISION - BOTH VEHICLES GOING STRAIGHT	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70567479	OWENSBORO POLICE DEPARTMENT	KY54	37.754497	-87.063765	3.136	5/21/2008	1752				2	2	1	1	1 CLEAR	DRY	ANGLE COLLISION - BOTH VEHICLES GOING STRAIGHT	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70571361	OWENSBORO POLICE DEPARTMENT	KY54	37.7544662	-87.0623419	3.139	5/30/2008	1704	WALMART ENTRANCE			2	2	0	0	0 CLEAR	DRY	REAR END - OTHER	REAR END	STRAIGHT & GRADE	DAYLIGHT
70571538	DAVISS COUNTY SHERIFF DEPT.	KY54	37.752121	-87.0544586	3.571	3/15/2008	0811		COMMONWEALTH		2	2	0	0	0 CLEAR	DRY	OTHER ROADWAY OR MID-BLOCK COLLISION	OPPOSING LEFT TURN	STRAIGHT & LEVEL	DAYLIGHT
70572015	OWENSBORO POLICE DEPARTMENT	KY54	37.752125	-87.054575	3.565	6/3/2008	1246		WALMART ENTRANCE		3	3	0	0	0 CLOUDY	DRY	REAR END - BOTH VEHICLES GOING STRAIGHT	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70573069	OWENSBORO POLICE DEPARTMENT	KY54	37.7544691	-87.0621393	3.139	6/7/2008	1522				2	2	0	0	0 CLEAR	DRY	ANGLE COLLISION - ONE VEHICLE TURNING LEFT	ANGLE	STRAIGHT & GRADE	DAYLIGHT
70574877	OWENSBORO POLICE DEPARTMENT	KY54	37.7532564	-87.0588622	3.318	6/11/2008	1645	FAIRVIEW			2	2	0	0	0 CLOUDY	DRY	ANGLE COLLISION - OTHER	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70580429	OWENSBORO POLICE DEPARTMENT	KY54	37.7561852	-87.0671103	2.85	6/28/2008	1616	HIGHLAND			2	2	0	0	0 CLEAR	DRY	OPPOSITE DIRECTION - BOTH VEHICLES GOING STRAIGHT AHEAD	SIDESWIPE-OPPOSITE DIRECTION	STRAIGHT & LEVEL	DAYLIGHT
70581150	OWENSBORO POLICE DEPARTMENT	KY54	37.7562088	-87.067179	2.846	6/30/2008	1537	HIGHLAND			2	2	0	2	2 CLOUDY	DRY	ANGLE COLLISION - ONE VEHICLE TURNING LEFT	ANGLE	STRAIGHT & GRADE	DAYLIGHT
70581621	OWENSBORO POLICE DEPARTMENT	KY54	37.7561454	-87.0672659	2.808	7/1/2008	1745			WIMSATT	2	2	0	1	1 CLOUDY	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70581794	OWENSBORO POLICE DEPARTMENT	KY54	37.7562206	-87.0672556	2.842	7/2/2008	0955			WIMSATT	2	2	0	0	0 CLEAR	DRY	OTHER ROADWAY OR MID-BLOCK COLLISION	REAR END	STRAIGHT & GRADE	DAYLIGHT
70582254	OWENSBORO POLICE DEPARTMENT	KY54	37.7566536	-87.0682031	2.781	7/4/2008	1516			WIMSATT	3	3	0	0	0 CLOUDY	DRY	REAR END IN TRAFFIC ONE VEHICLE STOPPED	REAR END	STRAIGHT & HILLCREST	DAYLIGHT
70583680	OWENSBORO POLICE DEPARTMENT	KY54	37.7544656	-87.0623414	3.139	7/8/2008	0922	VILLA			2	2	0	0	0 CLOUDY	DRY	REAR END - OTHER	REAR END	STRAIGHT & GRADE	DAYLIGHT
70583776	OWENSBORO POLICE DEPARTMENT	KY54	37.7532459	-87.0588728	3.319	7/8/2008	1544	FAIRVIEW			2	2	0	0	0 CLOUDY	DRY	REAR END - OTHER	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70584406	OWENSBORO POLICE DEPARTMENT	KY54	37.7564034	-87.0676797	2.82	7/10/2008	1715	HIGHLAND			2	2	0	0	0 CLEAR	DRY	ANGLE COLLISION - ONE VEHICLE TURNING LEFT	ANGLE	STRAIGHT & GRADE	DAYLIGHT
70585582	OWENSBORO POLICE DEPARTMENT	KY54	37.7549964	-87.063725	3.055	7/14/2008	1440	ALVEY PARK			2	2	0	0	0 CLEAR	DRY	COLLISION WITH PARKED VEHICLE	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70586150	DAVISS COUNTY SHERIFF DEPT.	KY54	37.7563247	-87.067981	2.803	7/13/2008	1033				2	2	0	0	0 CLEAR	DRY	VEHICLE BACKING	BACKING	STRAIGHT & LEVEL	DAYLIGHT
70586153	DAVISS COUNTY SHERIFF DEPT.	KY54	37.7480881	-87.0467111	4.086	7/14/2008	1647				2	2	0	0	0 CLEAR	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70586317	OWENSBORO POLICE DEPARTMENT	KY54	37.7570699	-87.0694499	2.665	7/16/2008	1621				2	2	0	0	0 CLEAR	DRY	REAR END IN TRAFFIC ONE VEHICLE STOPPED	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70586066	OWENSBORO POLICE DEPARTMENT	KY54	37.7561437	-87.064954	2.857	8/14/2008	1400			HIGHLAND	2	2	0	0	0 CLEAR	DRY	REAR END IN TRAFFIC ONE VEHICLE STOPPED	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70597391	KY STATE POLICE, POST 16	KY54	37.743935	-87.0411521	4.504	8/15/2008	1450	MILLERS MILL			2	2	0	0	0 CLEAR	DRY	REAR END - OTHER	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70598511	OWENSBORO POLICE DEPARTMENT	KY54	37.7540503	-87.0611359	3.201	8/22/2008	1613	PLAZA			2	2	0	0	0 CLEAR	DRY	SIDESWIPE-SAME DIRECTION	SIDESWIPE-SAME DIRECTION	STRAIGHT & HILLCREST	DAYLIGHT
70601597	OWENSBORO POLICE DEPARTMENT	KY54	37.7555554	-87.0654	2.981	9/1/2008	1137	ALVEY PARK			2	2	0	0	0 CLEAR	DRY	REAR END - OTHER	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70602398	DAVISS COUNTY SHERIFF DEPT.	KY54	37.7484041	-87.0471912	4.052	8/28/2008	1530				2	2	0	0	0 CLEAR	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	CURVE & LEVEL	DAYLIGHT
70605386	DAVISS COUNTY SHERIFF DEPT.	KY54	37.7456538	-87.0434825	4.029	9/9/2008	1149	GATE			2	2	0	1	1 CLEAR	DRY	ANGLE COLLISION - ONE VEHICLE TURNING LEFT	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70608530	OWENSBORO POLICE DEPARTMENT	KY54	37.7544795	-87.0623603	3.138	9/14/2008	1644				2	2	0	0	0 CLOUDY	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70612994	OWENSBORO POLICE DEPARTMENT	KY54	37.7545288	-87.0625287	3.128	10/1/2008	1726	WALMART ENTRANCE			2	2	0	0	0 CLEAR	DRY	SIDESWIPE-SAME DIRECTION	SIDESWIPE-SAME DIRECTION	STRAIGHT & LEVEL	DAYLIGHT
70613718	DAVISS COUNTY SHERIFF DEPT.	KY54	37.7455004	-87.0434367	4.338	10/3/2008	1659				2	2	0	0	0 CLEAR	DRY	SIDESWIPE COLLISION - SAME DIRECTION	SIDESWIPE-SAME DIRECTION	STRAIGHT & LEVEL	DAYLIGHT
70615254	OWENSBORO POLICE DEPARTMENT	KY54	37.7544662	-87.0623421	3.139	10/6/2008	0810	WALMART ENTRANCE			2	2	0	0	0 RAINING	WET	OPPOSING LEFT TURN	OPPOSING LEFT TURN	STRAIGHT & LEVEL	DAYLIGHT
70616191	OWENSBORO POLICE DEPARTMENT	KY54	37.7544656	-87.0622918	3.141	10/10/2008	1614	WALMART ENTRANCE			2	2	0	0	0 CLEAR	DRY	ANGLE COLLISION - ONE VEHICLE TURNING LEFT	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70618817	OWENSBORO POLICE DEPARTMENT	KY54	37.7549204	-87.0636413	3.061	10/17/2008	1720	ALVEY PARK			2	2	0	0	0 CLEAR	DRY	REAR END - ONE VEHICLE STOPPED	REAR END	STRAIGHT & HILLCREST	DAYLIGHT
70620836	OWENSBORO POLICE DEPARTMENT	KY54	37.7521049	-87.0545735	3.566	10/22/2008	1300	COMMONWEALTH			2	2	0	2	2 CLEAR	DRY	ANGLE COLLISION - OTHER	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70625610	OWENSBORO POLICE DEPARTMENT	KY54	37.7564415	-87.0686469	2.838	11/3/2008	0755			HIGHLAND	3	3	0	0	0 CLEAR	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & GRADE	DAYLIGHT
70627297	OWENSBORO POLICE DEPARTMENT	KY54	37.7561479	-87.0670769	2.853	11/6/2008	1733	HIGHLAND			2	2	0	0	0 CLOUDY	WET	REAR END - OTHER	REAR END	STRAIGHT & GRADE	DARK-HWY LIGHTED/ON
70633766	OWENSBORO POLICE DEPARTMENT	KY54	37.7532555	-87.0588637	3.318	11/21/2008	1029	FAIRVIEW			2	2	0	0	0 CLEAR	DRY	ANGLE COLLISION - BOTH VEHICLES GOING STRAIGHT	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70633980	DAVISS COUNTY SHERIFF DEPT.	KY54	37.743985	-87.0412569	4.497	11/22/2008	1711				2	2	0	0	0 CLEAR	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	CURVE & HILLCREST	DARK-HWY LIGHTED/ON
70635121	OWENSBORO POLICE DEPARTMENT	KY54	37.7540305	-87.0611172	3.202	11/25/2008	1043	PLAZA			2	2	0	0	0 CLEAR	DRY	ANGLE COLLISION - ONE VEHICLE TURNING LEFT	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70636154	OWENSBORO POLICE DEPARTMENT	KY54	37.7545138	-87.0621399	3.135	11/29/2008	1056				2	2	0	0	0 CLEAR	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70638457	DAVISS COUNTY SHERIFF DEPT.	KY54	37.7466402	-87.044848	4.228	11/25/2008	2217				2	2	0	0	0 CLEAR	DRY	1 VEHICLE ENTERING/LEAVING ENTRANCE	ANGLE	STRAIGHT & LEVEL	DARK-HWY NOT LIGHTED
70638843	OWENSBORO POLICE DEPARTMENT	KY54	37.7559861	-87.0665316	2.															

70782463	OWENSBORO POLICE DEPARTMENT	KY54	37.7565612	-87.0679791	2.795	11/25/2009 1715		WIMSATT	HIGHLAND POINTE		3	3	0	0	CLEAR	DRY	REAR END IN TRAFFIC ONE VEHICLE STOPPED	REAR END	STRAIGHT & LEVEL	DARK-HWY LIGHTED/ON
70782464	OWENSBORO POLICE DEPARTMENT	KY54	37.7562938	-87.0673922	2.833	11/24/2009 1700		WIMSATT	HIGHLAND POINTE		2	2	0	0	CLOUDY	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & HILLCREST	DARK-HWY LIGHTED/ON
70783241	OWENSBORO POLICE DEPARTMENT	KY54	37.7544725	-87.0623592	3.138	11/29/2009 2148					2	2	0	0	RAINING	WET	SIDESWIPE COLLISION - SAME DIRECTION	STRAIGHT & GRADE	DARK-HWY LIGHTED/ON	
70784479	DAVESS COUNTY SHERIFF DEPT.	KY54	37.743941	-87.0411905	4.502	11/27/2009 0503					2	2	0	0	CLEAR	DRY	1 VEHICLE ENTERING/LEAVING ENTRANCE	ANGLE	STRAIGHT & GRADE	DARK-HWY NOT LIGHTED
70786616	OWENSBORO POLICE DEPARTMENT	KY54	37.7532691	-87.0589716	2.721	11/25/2009 1015	FAIRVIEW				2	2	0	0	CLEAR	DRY	REAR END - OTHER	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70787560	OWENSBORO POLICE DEPARTMENT	KY54	37.7565477	-87.0680196	2.704	12/7/2009 1626		WIMSATT	HIGHLAND POINTE		3	3	0	0	CLEAR	WET	REAR END IN TRAFFIC ONE VEHICLE STOPPED	REAR END	CURVE & LEVEL	DARK-HWY LIGHTED/ON
70789553	OWENSBORO POLICE DEPARTMENT	KY54	37.7539105	-87.0604435	3.235	12/10/2009 1724		PLAZA	NO NAME		2	2	0	0	CLEAR	DRY	REAR END IN TRAFFIC ONE VEHICLE STOPPED	REAR END	STRAIGHT & LEVEL	DARK-HWY NOT LIGHTED
70789981	OWENSBORO POLICE DEPARTMENT	KY54	37.7546417	-87.0628144	3.11	12/11/2009 1749					2	2	0	0	CLEAR	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DARK-HWY LIGHTED/ON
70791354	OWENSBORO POLICE DEPARTMENT	KY54	37.7556881	-87.0666785	2.891	12/15/2009 1730		HIGHLAND	ALVEY PARK		2	2	0	0	CLOUDY	DRY	VEHICLE BACKING	BACKING	STRAIGHT & LEVEL	DARK-HWY LIGHTED/ON
70792135	OWENSBORO POLICE DEPARTMENT	KY54	37.7561748	-87.0681305	2.787	12/17/2009 0755		WIMSATT	HIGHLAND		2	2	0	0	CLEAR	DRY	OTHER ROADWAY OR MID-BLOCK COLLISION	REAR END	STRAIGHT & GRADE	DAYLIGHT
70797406	OWENSBORO POLICE DEPARTMENT	KY54	37.7545492	-87.0625678	3.125	12/30/2009 1700		ALVEY PARK	WALMART ENTRANCE		2	2	0	0	CLOUDY	DRY	SIDESWIPE COLLISION - SAME DIRECTION	STRAIGHT & LEVEL	DUSK	
70799892	OWENSBORO POLICE DEPARTMENT	KY54	37.7544797	-87.0623861	3.136	1/6/2010 1733	VILLA				2	2	0	0	CLEAR	DRY	REAR END - OTHER	REAR END	CURVE & LEVEL	DARK-HWY LIGHTED/ON
70809981	OWENSBORO POLICE DEPARTMENT	KY54	37.7570172	-87.0692789	2.668	1/29/2010 1546		US60B RAMP	US60B RAMP		3	3	0	1	CLOUDY	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70812228	OWENSBORO POLICE DEPARTMENT	KY54	37.7561147	-87.0674623	2.829	2/5/2010 1259		HIGHLAND	WIMSATT		2	2	0	0	RAINING	WET	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & GRADE	DAYLIGHT
70812602	OWENSBORO POLICE DEPARTMENT	KY54	37.7576124	-87.0702315	2.618	2/16/2010 1212		US60B RAMP			2	2	0	0	CLOUDY	DRY	REAR END - ONE VEHICLE STOPPED	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70813368	OWENSBORO POLICE DEPARTMENT	KY54	37.754494	-87.0623615	3.137	2/8/2010 2103	WALMART ENTRANCE				1	1	0	0	BLOWING SAND/SOIL/DIRT/SNOW	SNOW/SLUSH	COLLISION WITH FIXED OBJECT IN INTERSECTION - FIRST EVENT COLLISION 09 - 32	SINGLE VEHICLE	STRAIGHT & HILLCREST	DARK-HWY LIGHTED/ON
70815373	OWENSBORO POLICE DEPARTMENT	KY54	37.7517276	-87.0530795	3.652	2/10/2010 0754		RALPH	BOLD FORBES		1	1	0	0	CLEAR	ICE	COLLISION WITH FIXED OBJECT NON - INTERSECTION - FIRST EXCLUDING 1 SINGLE VEHICLE	CURVE & GRADE	DAYLIGHT	
70815679	OWENSBORO POLICE DEPARTMENT	KY54	37.7568861	-87.0689386	2.686	2/12/2010 1545					2	2	0	0	CLOUDY	WET	REAR END IN TRAFFIC ONE VEHICLE STOPPED	REAR END	STRAIGHT & GRADE	DARK-HWY LIGHTED/ON
70816655	OWENSBORO POLICE DEPARTMENT	KY54	37.7508818	-87.0589716	3.286	2/13/2010 0654					2	2	0	0	CLEAR	WET	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & GRADE	DAYLIGHT
70818814	OWENSBORO POLICE DEPARTMENT	KY54	37.7545076	-87.0623698	3.136	2/20/2010 1827	WALMART ENTRANCE				2	2	0	0	CLEAR	DRY	REAR END - OTHER	REAR END	STRAIGHT & GRADE	DARK-HWY LIGHTED/ON
70821876	OWENSBORO POLICE DEPARTMENT	KY54	37.7545249	-87.0624729	3.131	2/26/2010 1000	VILLA				2	2	0	3	CLEAR	DRY	REAR END - OTHER	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70823584	OWENSBORO POLICE DEPARTMENT	KY54	37.7544611	-87.0622771	3.142	3/5/2010 1826					2	2	0	0	CLEAR	DRY	OTHER ROADWAY OR MID-BLOCK COLLISION	REAR END	STRAIGHT & LEVEL	DUSK
70824529	OWENSBORO POLICE DEPARTMENT	KY54	37.7533738	-87.0592905	3.297	3/8/2010 1446		FAIRVIEW	NO NAME		2	2	0	0	CLEAR	DRY	OTHER ROADWAY OR MID-BLOCK COLLISION	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70824533	OWENSBORO POLICE DEPARTMENT	KY54	37.7569153	-87.0603261	2.722	3/8/2010 1654		WIMSATT	HIGHLAND		2	2	0	0	CLEAR	DRY	OTHER ROADWAY OR MID-BLOCK COLLISION	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70827407	OWENSBORO POLICE DEPARTMENT	KY54	37.7567231	-87.0685379	2.762	3/16/2010 0752		WIMSATT			2	2	0	0	CLEAR	DRY	OTHER ROADWAY OR MID-BLOCK COLLISION	REAR END	STRAIGHT & GRADE	DAYLIGHT
70828920	OWENSBORO POLICE DEPARTMENT	KY54	37.7573684	-87.0702135	2.62	3/21/2010 1611	WENDELL FORD				2	2	0	0	RAINING	WET	ANGLE COLLISION - OTHER	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70830567	KY STATE POLICE, POST 16	KY54	37.7439323	-87.0411467	4.504	3/23/2010 2010	THRUSTON DERMONT				2	2	0	1	CLEAR	DRY	REAR END - OTHER	REAR END	STRAIGHT & LEVEL	DARK-HWY NOT LIGHTED
70833536	OWENSBORO POLICE DEPARTMENT	KY54	37.7559654	-87.066488	2.888	3/31/2010 1641		HIGHLAND POINTE	ALVEY PARK		2	2	0	0	CLEAR	DRY	REAR END IN TRAFFIC ONE VEHICLE STOPPED	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70833538	OWENSBORO POLICE DEPARTMENT	KY54	37.7533487	-87.0589465	3.127	4/1/2010 1538					2	2	0	0	CLEAR	DRY	ANGLE COLLISION - ONE VEHICLE TURNING RIGHT	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70836747	OWENSBORO POLICE DEPARTMENT	KY54	37.7521258	-87.0545767	3.565	4/9/2010 0923	COMMONWEALTH				2	2	0	0	CLEAR	DRY	ANGLE COLLISION - BOTH VEHICLES GOING STRAIGHT	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70839999	OWENSBORO POLICE DEPARTMENT	KY54	37.7532513	-87.0588595	3.318	4/17/2010 1005	FAIRVIEW				2	2	0	0	CLEAR	DRY	REAR END - OTHER	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70842029	OWENSBORO POLICE DEPARTMENT	KY54	37.7532718	-87.0589002	3.321	4/23/2010 2111	FAIRVIEW				2	2	0	1	CLOUDY	DRY	OPPOSING LEFT TURN	STRAIGHT & LEVEL	DARK-HWY LIGHTED/ON	
70843135	DAVESS COUNTY SHERIFF DEPT.	KY54	37.7439381	-87.0411305	4.505	4/26/2010 1155					2	2	0	0	CLOUDY	DRY	REAR END IN TRAFFIC ONE VEHICLE STOPPED	REAR END	STRAIGHT & GRADE	DAYLIGHT
70843455	OWENSBORO POLICE DEPARTMENT	KY54	37.7570829	-87.0694256	2.66	5/24/2010 1650		US60B RAMP	US60B RAMP		2	2	0	0	CLEAR	DRY	OTHER ROADWAY OR MID-BLOCK COLLISION	REAR END	STRAIGHT & GRADE	DAYLIGHT
70845461	OWENSBORO POLICE DEPARTMENT	KY54	37.7521468	-87.0546489	3.561	5/24/2010 1335	COMMONWEALTH				2	2	0	0	CLEAR	DRY	ANGLE COLLISION - ONE VEHICLE TURNING RIGHT	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70856738	OWENSBORO POLICE DEPARTMENT	KY54	37.7532474	-87.0588461	3.319	5/31/2010 2047	FAIRVIEW				2	2	0	0	CLOUDY	WET	ANGLE COLLISION - ONE VEHICLE TURNING LEFT	ANGLE	STRAIGHT & LEVEL	DARK-HWY LIGHTED/ON
70858719	OWENSBORO POLICE DEPARTMENT	KY54	37.7548455	-87.0631562	3.088	6/4/2010 1809					2	2	0	0	CLEAR	DRY	1 VEHICLE ENTERING/LEAVING ENTRANCE	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70858725	OWENSBORO POLICE DEPARTMENT	KY54	37.7543943	-87.0621182	3.149	6/5/2010 1522	WALMART ENTRANCE				2	2	0	0	CLEAR	DRY	REAR END - OTHER	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70861186	OWENSBORO POLICE DEPARTMENT	KY54	37.7562086	-87.0672214	2.844	6/9/2010 1223	HIGHLAND POINTE				2	2	0	0	CLOUDY	WET	OPPOSITE DIRECTION - BOTH VEHICLES GOING STRAIGHT AHEAD	SIDESWIPE-OPPOSITE DIRECTION	STRAIGHT & LEVEL	DAYLIGHT
70871865	OWENSBORO POLICE DEPARTMENT	KY54	37.7519956	-87.0540836	3.593	7/6/2010 2134					2	2	0	0	CLEAR	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DARK-HWY LIGHTED/ON
70873055	OWENSBORO POLICE DEPARTMENT	KY54	37.7554568	-87.0652091	2.969	7/10/2010 2056	ALVEY PARK				2	2	0	0	CLEAR	DRY	OPPOSITE DIRECTION - BOTH VEHICLES GOING STRAIGHT AHEAD	HEAD ON	STRAIGHT & LEVEL	DAYLIGHT
70873153	OWENSBORO POLICE DEPARTMENT	KY54	37.7597495	-87.0665326	2.884	7/10/2010 2129					2	2	0	0	CLEAR	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & GRADE	DARK-HWY LIGHTED/ON
70875537	OWENSBORO POLICE DEPARTMENT	KY54	37.7552421	-87.0672865	2.384	7/16/2010 2118	HIGHLAND POINTE				2	2	0	0	CLEAR	DRY	REAR END - ONE VEHICLE STOPPED	REAR END	STRAIGHT & LEVEL	DARK-HWY LIGHTED/ON
70878547	OWENSBORO POLICE DEPARTMENT	KY54	37.7544729	-87.0623384	3.139	7/25/2010 1823	WALMART ENTRANCE				2	2	0	0	CLEAR	DRY	ANGLE COLLISION - OTHER	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70879635	KY STATE POLICE, POST 16	KY54	37.7567924	-87.0687359	2.75	7/18/2010 1708					2	2	0	0	CLOUDY	WET	VEHICLE BACKING	BACKING	STRAIGHT & LEVEL	DAYLIGHT
70879636	KY STATE POLICE, POST 16	KY54	37.7439303	-87.0411457	4.504	7/18/2010 2025					2	2	0	0	CLOUDY	WET	1 VEHICLE ENTERING/LEAVING ENTRANCE	ANGLE	STRAIGHT & LEVEL	DUSK
70889462	OWENSBORO POLICE DEPARTMENT	KY54	37.7562348	-87.0621826	2.842	8/21/2010 1710	HIGHLAND POINTE				2	2	0	0	CLEAR	DRY	ANGLE COLLISION - OTHER	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70891923	OWENSBORO POLICE DEPARTMENT	KY54	37.7518783	-87.0539468	3.603	8/26/2010 0705					2	2	0	0	CLEAR	DRY	VEHICLE BACKING	BACKING	STRAIGHT & LEVEL	DAYLIGHT
70892209	OWENSBORO POLICE DEPARTMENT	KY54	37.7549324	-87.0637306	3.056	8/28/2010 1607	ALVEY PARK				2	2	0	0	CLEAR	DRY	ANGLE COLLISION - ONE VEHICLE TURNING LEFT	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70893520	OWENSBORO POLICE DEPARTMENT	KY54	37.775547	-87.0651024	2.971	8/31/2010 1537					2	2	0	0	CLEAR	DRY	REAR END IN TRAFFIC ONE VEHICLE STOPPED	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70894433	DAVESS COUNTY SHERIFF DEPT.	KY54	37.7439331	-87.0411303	4.504	8/22/2010 0255	MILLERS MILL				2	2	0	1	CLEAR	DRY	ANGLE COLLISION - BOTH VEHICLES GOING STRAIGHT	ANGLE	STRAIGHT & LEVEL	DARK-HWY LIGHTED/ON
70894854	DAVESS COUNTY SHERIFF DEPT.	KY54	37.7480812	-87.0450972	4.21	8/24/2010 1725					2	2	0	0	CLEAR	DRY	REAR END IN TRAFFIC ONE VEHICLE STOPPED	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70895014	OWENSBORO POLICE DEPARTMENT	KY54	37.7562331	-87.0672432	2.842	9/3/2010 1350	HIGHLAND				3	3	0	0	CLEAR	DRY	REAR END - OTHER	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70909529	OWENSBORO POLICE DEPARTMENT	KY54	37.7529959	-87.057991	3.369	10/7/2010 1908	COMMONWEALTH	FAIRVIEW			2	2	0	0	CLEAR	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DARK-HWY LIGHTED/ON
70910705	DAVESS COUNTY SHERIFF DEPT.	KY54	37.7466168	-87.044879	4.228	10/7/2010 1814	LAKE FOREST				2	2	0	0	CLEAR	DRY	ANGLE COLLISION - OTHER	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70911240	OWENSBORO POLICE DEPARTMENT	KY54	37.7558451	-87.0662331	2.904	10/12/2010 1712					2	2	0	0	CLOUDY	WET	REAR END IN TRAFFIC ONE VEHICLE STOPPED	REAR END	STRAIGHT & GRADE	DAYLIGHT
70914026	OWENSBORO POLICE DEPARTMENT	KY54	37.7573577	-87.0700201	2.621	10/19/2010 1646	US60B RAMP				2	2	0	1	CLOUDY	DRY	REAR END - ONE VEHICLE TURNING RIGHT	REAR END	CURVE & LEVEL	DAYLIGHT
70918750	OWENSBORO POLICE DEPARTMENT	KY54	37.7563693	-87.0673739	2.832	10/29/2010 1549	HIGHLAND				2	2	0	0	CLEAR	DRY	REAR END - OTHER	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70918884	OWENSBORO POLICE DEPARTMENT	KY54	37.7544667	-87.062335	3.139	10/29/2010 1842	VILLA				2	2	0	0	CLEAR	DRY	SIDESWIPE-SAME DIRECTION	SIDESWIPE-SAME DIRECTION	STRAIGHT & LEVEL	DARK-HWY LIGHTED/ON
70925805	OWENSBORO POLICE DEPARTMENT	KY54	37.7560924	-87.0667971	2.868	11/15/2010 0730	HIGHLAND				2	2	0	0	CLEAR	DRY	REAR END - ONE VEHICLE STOPPED	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70928304	OWENSBORO POLICE DEPARTMENT	KY54	37.7540031	-87.0640513	3.153	11/19/2010 1725	WALMART ENTRANCE		PLAZA		2	2	0	0	CLOUDY	DRY	REAR END IN TRAFFIC ONE VEHICLE STOPPED	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70928807	DAVESS COUNTY SHERIFF DEPT.	KY54	37.7573041	-87.0699703	2.632	11/15/2010 1800					2	2	0	0	CLEAR	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING			

MASTER_INVESTIG	ROADWAY_BLOCK	HOUSE	LATITUDE	LONGITUDE	MILEPOINT	COLLISION_DATE	COLLISION	INTERSECTION	INTERSECTION	UNITS	IN	MOTOR_V	KILLED	INJURED	WEATHER	ROADWAY_CONDITION	DIRECTIONAL_ANALYSIS	MANNER_OF_COLLISION	ROADWAY_CHARACTER	LIGHT_CONDITION
70520792	DAVIESS (KY0054		37.74151	-87.0296	5.165	1/4/2008 0710				2	2	0	0	0	0 CLEAR	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70523386	DAVIESS (KY0054		37.73613	-87.0052	6.571	1/12/2008 1118				2	2	0	0	0	0 CLEAR	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70526340	DAVIESS (KY0054	5600	37.73656	-87.0131	6.134	1/18/2008 1545				2	2	0	0	0	0 CLEAR	DRY	1 VEHICLE ENTERING OR LEAVING PARKED POSITION (NOT PARKING LOT)	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70537398	DAVIESS (KY0054	6200	37.73319	-86.9848	7.714	2/22/2008 2130				2	2	0	0	0	0 BLOWING	ICE	SIDESWIPE COLLISION - OPPOSITE DIRECTION	SIDESWIPE-OPPOSITE DIRECTION	STRAIGHT & LEVEL	DARK-HWY LIGHTED/OFF
70545559	DAVIESS (KY0054	6028	37.73437	-86.9905	7.389	3/14/2008 1600				2	2	0	0	0	0 CLEAR	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70554866	DAVIESS (KY0054		37.74395	-87.0411	4.504	4/15/2008 0757	KY1456	THRUSTO		2	2	0	0	0	2 CLEAR	DRY	ANGLE COLLISION - OTHER	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70557948	DAVIESS (KY0054		37.7373	-87.0182	5.852	4/19/2008 1114				2	2	0	0	0	0 CLEAR	DRY	OCCUPANT FELL FROM MOVING VEHICLE	SIDESWIPE-OPPOSITE DIRECTION	STRAIGHT & LEVEL	DAYLIGHT
70561187	DAVIESS (KY0054		37.73663	-87.0131	6.13	5/2/2008 2247				1	1	0	0	0	0 RAINING	WET	COLLISION WITH FIXED OBJECT NON - INTERSECTION - FIRST EVENT COLLISION 09 - 32 EXCLUDING 16	SINGLE VEHICLE	STRAIGHT & LEVEL	DARK-HWY LIGHTED/ON
70562150	DAVIESS (KY0054		37.7322	-86.9797	8.003	5/2/2008 1845		JACK HINT		3	3	0	0	0	2 CLOUDY	WET	ANGLE COLLISION - ONE VEHICLE TURNING LEFT	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70564943	KY STATE KY0054		37.7439	-87.0411	4.51	5/9/2008 1512				2	2	0	0	0	2 CLOUDY	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70574200	DAVIESS (KY0054	5611	37.73611	-87.0048	6.594	6/5/2008 1331				2	2	0	0	0	1 CLEAR	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70587926	DAVIESS (KY0054	5270	37.73823	-87.0215	5.659	7/21/2008 1604				3	3	0	0	0	1 CLEAR	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70593357	KY STATE KY0054		37.74363	-87.0404	4.55	7/28/2008 1100				2	2	0	0	0	0 CLOUDY	DRY	1 VEHICLE ENTERING OR LEAVING PARKED POSITION (NOT PARKING LOT)	BACKING	STRAIGHT & LEVEL	DAYLIGHT
70597391	KY STATE KY0054		37.74394	-87.0412	4.504	8/15/2008 1450	KY1456	MILLERS H		2	2	0	0	0	0 CLEAR	DRY	REAR END - OTHER	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70599575	DAVIESS (KY0054		37.73326	-86.985	7.7	8/23/2008 1348				2	2	0	0	0	0 CLEAR	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70600480	DAVIESS (KY0054	5371	37.73714	-87.0155	5.997	8/27/2008 0813				2	2	0	0	0	0 CLEAR	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70600482	DAVIESS (KY0054		37.73597	-87.008	6.414	8/27/2008 1540				1	1	0	0	0	0 CLEAR	DRY	OVERTURNED IN ROADWAY	SINGLE VEHICLE	STRAIGHT & LEVEL	DAYLIGHT
70602813	DAVIESS (KY0054		37.73813	-87.0207	5.702	8/30/2008 1700				2	2	0	0	0	0 CLEAR	DRY	SIDESWIPE COLLISION - OPPOSITE DIRECTION	SIDESWIPE-OPPOSITE DIRECTION	STRAIGHT & LEVEL	DAYLIGHT
70607797	DAVIESS (KY0054	4527	37.74313	-87.0395	4.611	9/17/2008 0735				2	2	0	0	0	0 CLEAR	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70607818	DAVIESS (KY0054		37.73494	-86.9937	7.211	9/11/2008 1650				2	2	0	0	0	0 CLOUDY	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70614236	DAVIESS (KY0054		37.73405	-86.9883	7.516	9/30/2008 1417	KY0142	KY142		3	3	0	0	0	2 CLEAR	DRY	OPPOSITE DIRECTION - BOTH VEHICLES GOING STRAIGHT AHEAD	HEAD ON	STRAIGHT & LEVEL	DAYLIGHT
70616881	DAVIESS (KY0054		37.74289	-87.0355	4.827	10/9/2008 1634				2	2	0	0	0	0 CLEAR	DRY	SIDESWIPE COLLISION - SAME DIRECTION	SIDESWIPE-SAME DIRECTION	STRAIGHT & LEVEL	DAYLIGHT
70619771	DAVIESS (KY0054		37.74198	-87.031	5.082	10/11/2008 1344				2	2	0	0	0	1 CLEAR	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70621019	DAVIESS (KY0054		37.74194	-87.0306	5.099	10/22/2008 0706		SHELL		2	2	0	0	0	0 CLOUDY	DRY	OPPOSING LEFT TURN	OPPOSING LEFT TURN	CURVE & GRADE	DAYLIGHT
70629729	DAVIESS (KY0054		37.73621	-87.0043	6.623	11/11/2008 0645				2	2	0	0	0	2 RAINING	WET	1 VEHICLE ENTERING/LEAVING ENTRANCE	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70630059	KY STATE KY0054		37.73325	-86.985	7.701	11/9/2008 1430				2	2	0	0	0	0 CLOUDY	DRY	SIDESWIPE COLLISION - SAME DIRECTION	SIDESWIPE-SAME DIRECTION	STRAIGHT & LEVEL	DAYLIGHT
70630063	KY STATE KY0054		37.73226	-86.9796	8.007	11/12/2008 1410		JACK HINT		2	2	0	0	0	0 RAINING	WET	REAR END - ONE VEHICLE STOPPED	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70633980	DAVIESS (KY0054		37.74399	-87.0413	4.497	11/22/2008 1711				2	2	0	0	0	0 CLEAR	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	CURVE & HILLCREST	DARK-HWY LIGHTED/ON
70636624	DAVIESS (KY0054	4960	37.73947	-87.0246	5.469	11/24/2008 1547				2	2	0	0	0	0 CLEAR	DRY	1 VEHICLE ENTERING/LEAVING ENTRANCE	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70636719	DAVIESS (KY0054		37.73577	-86.9979	6.975	11/20/2008 1541				3	3	0	0	0	3 CLEAR	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70638456	DAVIESS (KY0054		37.73805	-87.0201	5.735	11/30/2008 0317				1	1	0	0	0	2 RAINING	WET	COLLISION WITH FIXED OBJECT NON - INTERSECTION - FIRST EVENT COLLISION 09 - 32 EXCLUDING 16	SINGLE VEHICLE	CURVE & LEVEL	DARK-HWY NOT LIGHTED
70638765	KY STATE KY0054		37.73937	-87.0246	5.474	12/1/2008 2240				1	1	0	0	0	0 SNOWING	DRY	COLLISION WITH ANIMAL	SINGLE VEHICLE	STRAIGHT & GRADE	DUSK
70639139	KY STATE KY0054		37.7322	-86.9797	8.003	12/4/2008 1304		JACK HINT		2	2	0	0	0	0 CLEAR	DRY	ANGLE COLLISION - BOTH VEHICLES GOING STRAIGHT	ANGLE	STRAIGHT & GRADE	DAYLIGHT
70643005	DAVIESS (KY0054		37.73589	-86.9982	6.955	12/9/2008 1721		OAKLANE		2	2	0	0	0	1 CLEAR	DRY	REAR END - OTHER	REAR END	STRAIGHT & LEVEL	DARK-HWY LIGHTED/ON
70643876	DAVIESS (KY0054		37.7409	-87.028	5.258	12/13/2008 1407				3	3	0	0	0	2 CLOUDY	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & GRADE	DAYLIGHT
70646717	DAVIESS (KY0054		37.73398	-86.9888	7.489	12/17/2008 1150				2	2	0	0	0	1 CLOUDY	WET	1 VEHICLE ENTERING/LEAVING ENTRANCE	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70652400	DAVIESS (KY0054		37.73492	-86.994	7.197	12/19/2008 1833				2	2	0	0	0	2 CLEAR	DRY	1 VEHICLE ENTERING/LEAVING ENTRANCE	ANGLE	STRAIGHT & LEVEL	DARK-HWY NOT LIGHTED
70658339	DAVIESS (KY0054	4870	37.74124	-87.029	5.203	1/19/2009 0348				1	1	0	0	0	0 SNOWING	SNOW/SLUSH	COLLISION WITH FIXED OBJECT NON - INTERSECTION - FIRST EVENT COLLISION 09 - 32 EXCLUDING 16	SINGLE VEHICLE	STRAIGHT & LEVEL	DARK-HWY NOT LIGHTED
70661677	DAVIESS (KY0054		37.73223	-86.9797	8.001	1/26/2009 0822		JACK HINT		2	2	0	0	0	0 CLEAR	DRY	ANGLE COLLISION - ONE VEHICLE TURNING LEFT	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70661937	KY STATE KY0054		37.73601	-87.0075	6.44	1/30/2009 1940	KY0142	KY142		2	2	0	0	0	2 FOG/SMOKE		ANGLE COLLISION - OTHER	ANGLE	STRAIGHT & LEVEL	DARK-HWY LIGHTED/OFF
70668805	DAVIESS (KY0054		37.74223	-87.0317	5.036	2/12/2009 0755		KINGS MIL		3	3	0	0	0	0 CLEAR	DRY	REAR END - OTHER	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70669570	KY STATE KY0054		37.74399	-87.0413	4.496	2/12/2009 1755				2	2	0	0	0	0 CLEAR	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DARK-HWY NOT LIGHTED
70670281	DAVIESS (KY0054		37.74368	-87.0405	4.545	2/18/2009 2035				2	2	0	0	0	0 CLEAR	DRY	SIDESWIPE COLLISION - SAME DIRECTION	SIDESWIPE-SAME DIRECTION	CURVE & LEVEL	DARK-HWY LIGHTED/ON
70671342	DAVIESS (KY0054	6000	37.73398	-86.9888	7.489	2/19/2009 1211				1	1	0	0	0	0 CLOUDY	DRY	RAN OFF ROADWAY (1 VEHICLE WITH/EARTH EMBANKMENT/DITCH)	SINGLE VEHICLE	STRAIGHT & LEVEL	DAYLIGHT
70675093	DAVIESS (KY0054		37.73624	-87.0123	6.181	3/5/2009 1134				2	2	0	0	0	0 CLOUDY	DRY	1 VEHICLE ENTERING/LEAVING ENTRANCE	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70677647	DAVIESS (KY0054		37.74393	-87.0414	4.495	2/4/2009 0704	KY1456	THRUSTO		2	2	0	0	0	0 CLEAR	DRY	ANGLE COLLISION - BOTH VEHICLES GOING STRAIGHT	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70692780	DAVIESS (KY0054		37.7322	-86.9797	8.001	4/20/2009 1520				3	3	0	0	0	1 CLEAR	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70694977	DAVIESS (KY0054		37.73614	-87.0076	6.434	4/25/2009 2327	KY0142	KY142		2	2	0	0	0	3 CLEAR	DRY	ANGLE COLLISION - ONE VEHICLE TURNING LEFT	ANGLE	STRAIGHT & LEVEL	DARK-HWY NOT LIGHTED
70700020	DAVIESS (KY0054		37.74401	-87.0413	4.496	5/7/2009 0632				2	2	0	0	0	0 CLEAR	DRY	1 VEHICLE ENTERING/LEAVING ENTRANCE	ANGLE	STRAIGHT & GRADE	DAWN
70701439	DAVIESS (KY0054		37.73605	-87.0058	6.537	5/9/2009 1036				2	2	0	0	0	0 CLOUDY	DRY	SIDESWIPE COLLISION - OPPOSITE DIRECTION	SIDESWIPE-OPPOSITE DIRECTION	STRAIGHT & LEVEL	DAYLIGHT
70711396	DAVIESS (KY0054		37.73574	-86.9978	6.982	5/29/2009 2130				1	1	0	0	0	0 CLOUDY	DRY	COLLISION WITH ANIMAL	SINGLE VEHICLE	STRAIGHT & LEVEL	DARK-HWY NOT LIGHTED
70714156	DAVIESS (KY0054		37.73575	-86.9977	6.985	6/7/2009 1725		OAKLANE		1	1	0	0	0	0 CLEAR	DRY	COLLISION WITH FIXED OBJECT IN INTERSECTION - FIRST EVENT COLLISION 09 - 32	SINGLE VEHICLE	STRAIGHT & LEVEL	DAYLIGHT
70714161	DAVIESS (KY0054		37.73222	-86.9798	7.997	6/11/2009 1020				2	2	0	0	0	0 RAINING	WET	REAR END IN TRAFFIC ONE VEHICLE STOPPED	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70716957	DAVIESS (KY0054		37.74197	-87.0307	5.092	6/17/2009 1714		SHELL		2	2	0	0	0	1 CLOUDY	DRY	REAR END - ONE VEHICLE TURNING RIGHT	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70717926	KY STATE KY0054		37.742	-87.0309	5.084	6/18/2009 1818				2	2	0	0	0	0 CLEAR	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70722549	DAVIESS (KY0054	5300	37.73609	-87.0113	6.238	6/30/2009 1615				2	2	0	0	0	1 CLEAR	DRY	1 VEHICLE ENTERING/LEAVING ENTRANCE	ANGLE	STRAIGHT & GRADE	DAYLIGHT
70725195	DAVIESS (KY0054	5000	37.74061	-87.0275	5.293	7/5/2009 1750				2	2	0	0	0	0 CLOUDY	WET	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70730628	DAVIESS (KY0054		37.73621	-87.0025	6.723	7/18/2009 1821				2	2	0	0	0	0 CLEAR	DRY	SIDESWIPE COLLISION - SAME DIRECTION	SIDESWIPE-SAME DIRECTION	CURVE & LEVEL	DAYLIGHT
70732237	DAVIESS (KY0054		37.74255	-87.0331	4.956	7/26/2009 2135				1	1	0	0	0	0 CLEAR	DRY	COLLISION WITH ANIMAL	SINGLE VEHICLE	STRAIGHT & LEVEL	DARK-HWY LIGHTED/OFF
70732955	DAVIESS (KY0054		37.74393	-87.0412	4.504	7/23/2009 0730	KY1456	THRUSTO		2	2	0	0	0	0 CLEAR	DRY	REAR END - ONE VEHICLE STOPPED	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70740290	DAVIESS (KY0054	5400	37.73736	-87.0174	5.891	8/16/2009 1421				2	2	0	0	0	1 CLEAR	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70745494	DAVIESS (KY0054		37.74381	-87.0415	4.497	8/30/2009 1343	KY1456	THRUSTO		3	3	0	0	0	2 CLEAR	DRY	OPPOSING LEFT TURN	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70755581	DAVIESS (KY0054		37.74197	-87.0308	5.091	9/15/2009 1636		SHELL		2	2	0	0	0	0 CLOUD					

70883282	DAVIESS (KY0054		37.73435	-86.9906	7.388	7/29/2010 1634			2	2	0	0 CLEAR	DRY	SIDESWIPE COLLISION - OPPOSITE DIRECTION	SIDESWIPE-OPPOSITE DIRECTION	STRAIGHT & LEVEL	DAYLIGHT
70883283	DAVIESS (KY0054	6000	37.73516	-86.9946	7.161	7/30/2010 0100			1	1	0	0 CLEAR	DRY	COLLISION WITH FIXED OBJECT NON - INTERSECTION - FIRST EVENT COLLISION 09 - 32 EXCLUDING 16	SINGLE VEHICLE	STRAIGHT & LEVEL	DARK-HWY LIGHTED/ON
70885862	DAVIESS (KY0054	4550	37.74334	-87.0392	4.618	8/4/2010 1019			2	2	0	0 CLEAR	DRY	1 VEHICLE PARKED POSITION (NOT PARKING LOT/DRIVEWAY)	REAR TO REAR	STRAIGHT & LEVEL	DAYLIGHT
70890368	DAVIESS (KY0054		37.73601	-87.0076	6.431	8/17/2010 1730			2	2	0	0 CLEAR	DRY	SIDESWIPE COLLISION - SAME DIRECTION	SIDESWIPE-SAME DIRECTION	STRAIGHT & HILLCREST	DAYLIGHT
70894433	DAVIESS (KY0054		37.74395	-87.0411	4.504	8/22/2010 0255	KY1456	MILLERS R	2	2	0	1 CLEAR	DRY	ANGLE COLLISION - BOTH VEHICLES GOING STRAIGHT	ANGLE	STRAIGHT & LEVEL	DARK-HWY LIGHTED/ON
70897438	DAVIESS (KY0054		37.74363	-87.0408	4.532	8/31/2010 1218			2	2	0	0 CLOUDY	DRY	1 VEHICLE PARKED POSITION (NOT PARKING LOT/DRIVEWAY)	BACKING	STRAIGHT & LEVEL	DAYLIGHT
70898723	DAVIESS (KY0054		37.73473	-86.9925	7.279	9/10/2010 1604			2	2	0	0 RAINING	WET	1 VEHICLE ENTERING/LEAVING ENTRANCE	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70898725	DAVIESS (KY0054		37.73573	-86.9977	6.986	9/11/2010 1143		OAKLANE	2	2	0	0 CLEAR	DRY	ANGLE COLLISION - ONE VEHICLE TURNING LEFT	ANGLE	STRAIGHT & LEVEL	DAYLIGHT
70907657	DAVIESS (KY0054	5900	37.73448	-86.9918	7.319	10/1/2010 1410			2	2	0	1 CLEAR	DRY	HEAD-ON COLLISION	HEAD ON	STRAIGHT & LEVEL	DAYLIGHT
70928978	DAVIESS (KY0054		37.73706	-87.0155	5.995	11/19/2010 1342			2	2	0	0 CLEAR	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70941472	DAVIESS (KY0054		37.73624	-87.001	6.801	12/12/2010 1207			2	2	0	2 SNOWING	WET	HEAD-ON COLLISION	HEAD ON	STRAIGHT & LEVEL	DAYLIGHT
70942917	DAVIESS (KY0054	5400	37.73806	-87.0203	5.726	12/13/2010 1640			2	2	0	0 CLOUDY	DRY	REAR END IN TRAFFIC LANES BOTH VEHICLES MOVING	REAR END	STRAIGHT & LEVEL	DAYLIGHT
70947291	DAVIESS (KY0054		37.74404	-87.0414	4.49	12/29/2010 2232	KY1456	THRUSTO	2	2	0	0 RAINING	WET	REAR END - ONE VEHICLE STOPPED	REAR END	STRAIGHT & LEVEL	DARK-HWY LIGHTED/ON
70948797	DAVIESS (KY0054	5540	37.73606	-87.0076	6.435	12/28/2010 1841			2	2	0	1 CLOUDY	DRY	1 VEHICLE ENTERING/LEAVING ENTRANCE	ANGLE	STRAIGHT & LEVEL	DARK-HWY NOT LIGHTED

Appendix D – KYTC's Common Geometric Practices for Urban Arterials

COMMON GEOMETRIC PRACTICES URBAN ROADWAYS (OTHER THAN FREEWAYS)

(13)

		URBAN LOCAL STREETS			URBAN COLLECTOR STREETS						URBAN ARTERIAL STREETS							
DESIGN SPEED (14)		20 M.P.H. - 30 M.P.H.			MIN. 30 M.P.H.						30 M.P.H. - 60 M.P.H.							
NUMBER OF LANES		MINIMUM 2			MINIMUM 2 (4)						MINIMUM 2 (4)							
LANE WIDTH	RESIDENTIAL	MIN. 10' (1)			MIN. 10' (2)						12' FREE FLOW CONDITION (2) 11' MIN. INTERRUPTED FLOW CONDITION							
	COMMERCIAL	MIN. 11'			MIN. 11'													
	INDUSTRIAL	MIN. 12' (3)			MIN. 12' (3)													
SIDEWALK	RESIDENTIAL	MINIMUM 4' DESIRABLE 8' (16)																
	COMMERCIAL																	
MINIMUM CLEAR ROADWAY WIDTH OF NEW AND (11) RECONSTRUCTED BRIDGES		MINIMUM CURB TO CURB WIDTH																
BERM AREA (5)		10' TYPICAL																
MINIMUM RADIUS (FEET)		(6)																
MAXIMUM GRADE (PERCENT)		- R) - MAX. 15% - C) - MAX. 8% - I) - MAX. 8% (12)			M.P.H.	30	35	40	45	50	(9) M.P.H.	30	35	40	45	50	55	60
					LEVEL	9			8	7	LEVEL	8	7	6			5	
					ROLLING	11	10		9	8	ROLLING	9	8	7		6		
					MOUNTAIN	12			11	10	MOUNTAIN	11	10	9		8		
NORMAL PAVEMENT CROSS SLOPE (8)		RATE OF CROSS SLOPE = 2%																
NORMAL SHOULDER CROSS SLOPE		EARTH - 8%										PAVED - 4%						
SUPERELEVATION		(10)	4% MAX.		4% MAX.						4% - 6% MAX.							
MINIMUM STOPPING SIGHT DISTANCE (FEET) (7)		M.P.H.	20	25	30	35		40		45	50	55	60					
		MIN.	115	155	200	250		305		360	425	495		570				

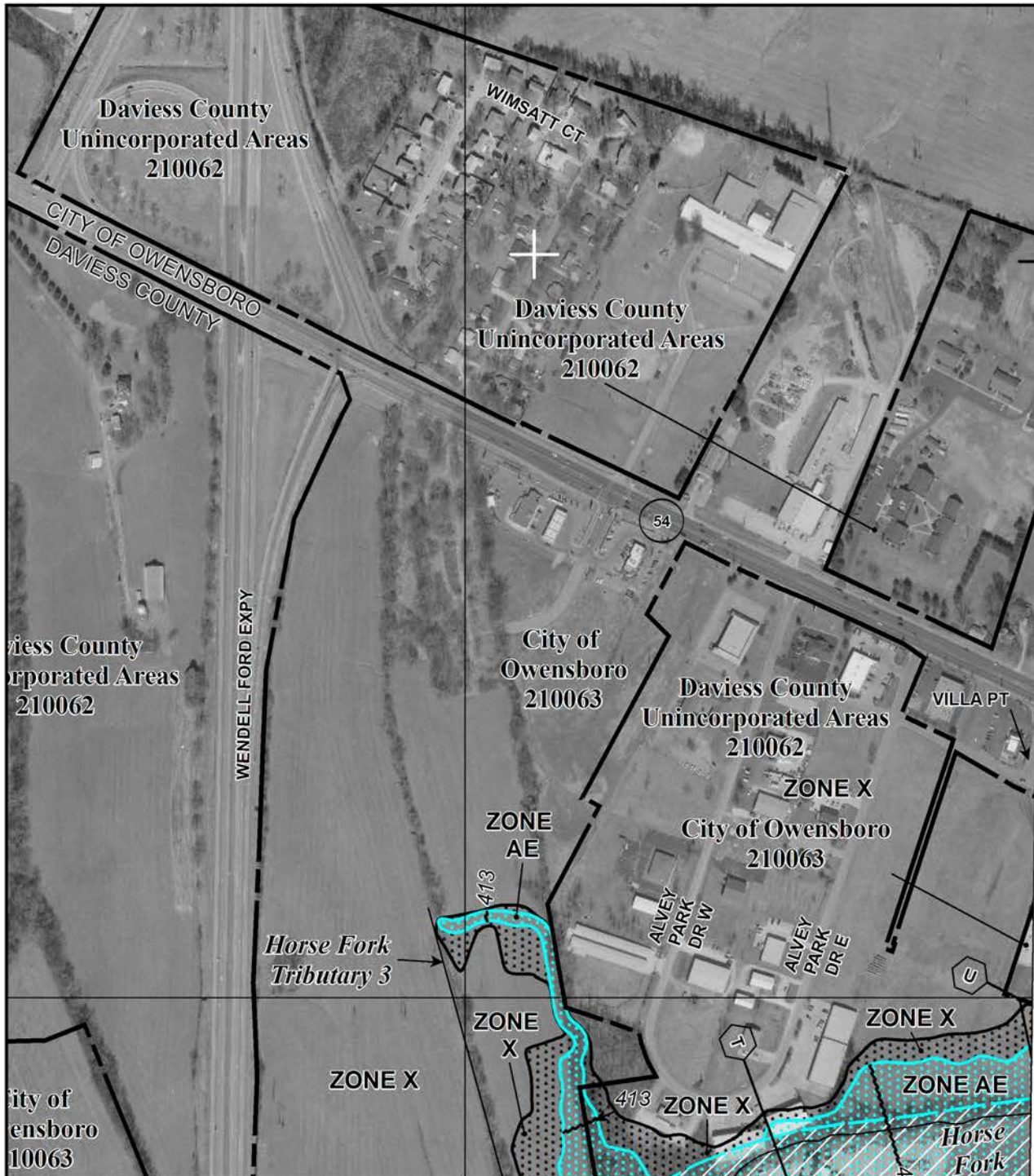
- R) = RESIDENTIAL

- C) = COMMERCIAL

- I) = INDUSTRIAL

- (1) TURNING LANES : 9' MINIMUM – 12' DESIRABLE; PARKING LANES : RESIDENTIAL – 7' MINIMUM – 10' DESIRABLE; COMMERCIAL & INDUSTRIAL – 9' MINIMUM – 12' DESIRABLE.
- (2) TURNING LANES : 10' MINIMUM – 12' DESIRABLE; PARKING LANES : 9' MINIMUM – 12' DESIRABLE.
- (3) VERTICAL CURBS WITH HEIGHTS OF 6" OR GREATER ADJACENT TO TRAVELED WAY SHOULD BE OFFSET A MINIMUM OF 1 FOOT. WHEN A CURB AND GUTTER SECTION IS PROVIDED, THE GUTTER PAN WIDTH, NORMALLY 2 FEET, SHOULD BE USED AS THE OFFSET DISTANCE.
- (4) THE NUMBER OF LANES TO BE PROVIDED ON STREETS WITH A CURRENT ADT OF 2000 OR GREATER SHOULD BE DETERMINED BY A HIGHWAY CAPACITY ANALYSIS OF THE DESIGN TRAFFIC VOLUMES. SUCH ANALYSIS SHOULD BE MADE FOR FUTURE DESIGN TRAFFIC. (DESIRABLE)
- (5) THE BERM AREA IS TYPICALLY FROM FACE OF CURB TO 2 FEET BEHIND BACK OF SIDEWALK.
- (6) REFER TO CHAPTER 3 OF AASHTO'S "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS" CURRENT EDITION.
- (7) MINIMUM STOPPING SIGHT DISTANCES ARE BASED ON HEIGHT OF EYE 3.5 FT. & HEIGHT OF OBJECT OF 2.0 FT. BOTH HORIZONTAL & VERTICAL ALIGNMENTS CONSIDERED.
- (8) NORMAL PAVEMENT CROSS SLOPES ON BRIDGES SHALL BE 2 PERCENT.
- (9) ARTERIALS WITH LARGE NUMBERS OF TRUCKS AND OPERATING NEAR CAPACITY SHOULD CONSIDER GRADES FLATTER THAN THOSE IN RURAL SECTIONS TO AVOID UNDESIRABLE REDUCTIONS IN SPEEDS.
- (10) SUPERELEVATION MAY NOT BE REQUIRED ON LOCAL STREETS IN RESIDENTIAL AND COMMERCIAL AREAS.
- (11) THE BRIDGE WIDTH FOR URBAN ROADWAYS WITH SHOULDERS AND NO CURBS SHOULD NOT BE LESS THAN WIDTHS SHOWN FOR RURAL ROADS APPROVED ROADWAY WIDTHS.
- (12) MAXIMUM GRADES OF SHORT LENGTHS (LESS THAN 500') AND ON ONE-WAY DOWN GRADES MAY BE ONE PERCENT STEEPER.
- (13) FOR GUIDANCE ON FREEWAYS, REFER TO AASHTO, "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS."
- (14) INTERMEDIATE DESIGN SPEEDS (5 M.P.H. INCREMENTS) MAY BE APPROPRIATE WHERE TERRAIN AND OTHER ENVIRONMENTAL CONDITIONS DICTATE.
- (15) REFER TO AASHTO'S "GUIDE FOR THE DEVELOPMENT OF BICYCLY FACILITIES", CURRENT EDITION, WHEN COMBINING A PEDESTRIAN SIDEWALK WITH A BICYCLE PATH.

Appendix E – FIRM Maps



MAP SCALE 1" = 500'

50 0 500 1000 FEET

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0139D

FIRM

FLOOD INSURANCE RATE MAP

**DAVISS COUNTY,
KENTUCKY
AND INCORPORATED AREAS**

PANEL 139 OF 435
(SEE LOCATOR DIAGRAM OR MAP INDEX FOR
FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
DAVISS COUNTY	210062	0139	D
OWENSBORO, CITY OF	210063	0139	D

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

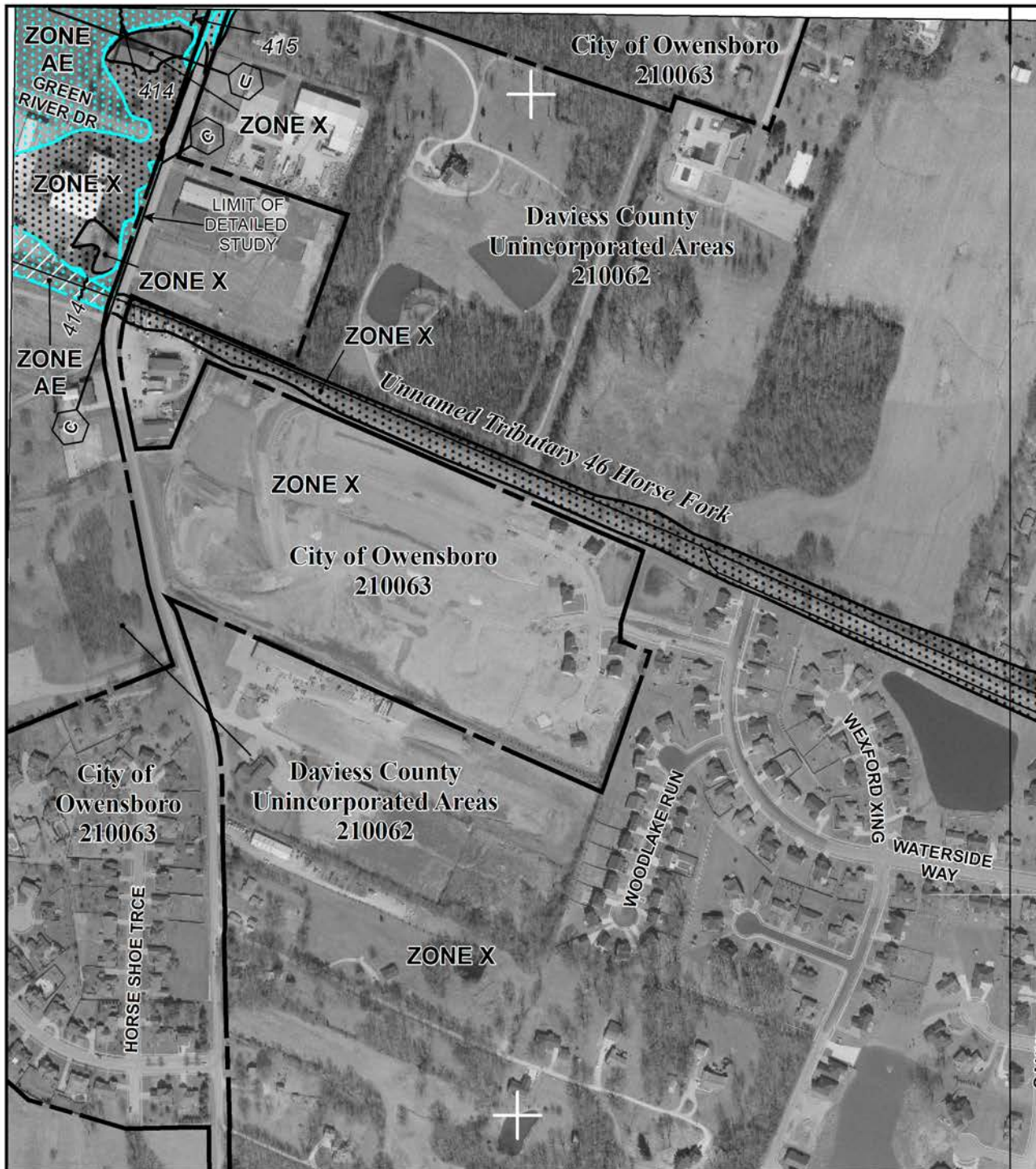
MAP REVISED
APRIL 16, 2009

MAP NUMBER
21059C0139D



State of Kentucky
Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov



MAP SCALE 1" = 500'

50 0 500 1000 FEET

NFIP

PANEL 0281D

NATIONAL FLOOD INSURANCE PROGRAM

FIRM FLOOD INSURANCE RATE MAP

**DAVISS COUNTY,
KENTUCKY
AND INCORPORATED AREAS**

PANEL 281 OF 435
(SEE LOCATOR DIAGRAM OR MAP INDEX FOR
FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
DAVISS COUNTY	210062	0281	D
OWENSBORO, CITY OF	210063	0281	D

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

MAP REVISED
APRIL 16, 2009

MAP NUMBER
21059C0281D



State of Kentucky
Federal Emergency Management Agency

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MAP SCALE 1" = 500'

50 0 500 1000 FEET

NFIP

PANEL 0281D

NATIONAL FLOOD INSURANCE PROGRAM

FIRM FLOOD INSURANCE RATE MAP

DAVISS COUNTY,
KENTUCKY
AND INCORPORATED AREAS

PANEL 281 OF 435
(SEE LOCATOR DIAGRAM OR MAP INDEX FOR
FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
DAVISS COUNTY	210062	0281	D
OWENSBORO, CITY OF	210063	0281	D

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

MAP REVISED
APRIL 16, 2009

MAP NUMBER
21059C0281D



State of Kentucky
Federal Emergency Management Agency

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MAP SCALE 1" = 500'

50 0 500 1000 FEET

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0281D

FIRM

FLOOD INSURANCE RATE MAP

DAVIESS COUNTY,
KENTUCKY
AND INCORPORATED AREAS

PANEL 281 OF 435
(SEE LOCATOR DIAGRAM OR MAP INDEX FOR
FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
DAVIESS COUNTY	210062	0281	D
OWENSBORO, CITY OF	210063	0281	D

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

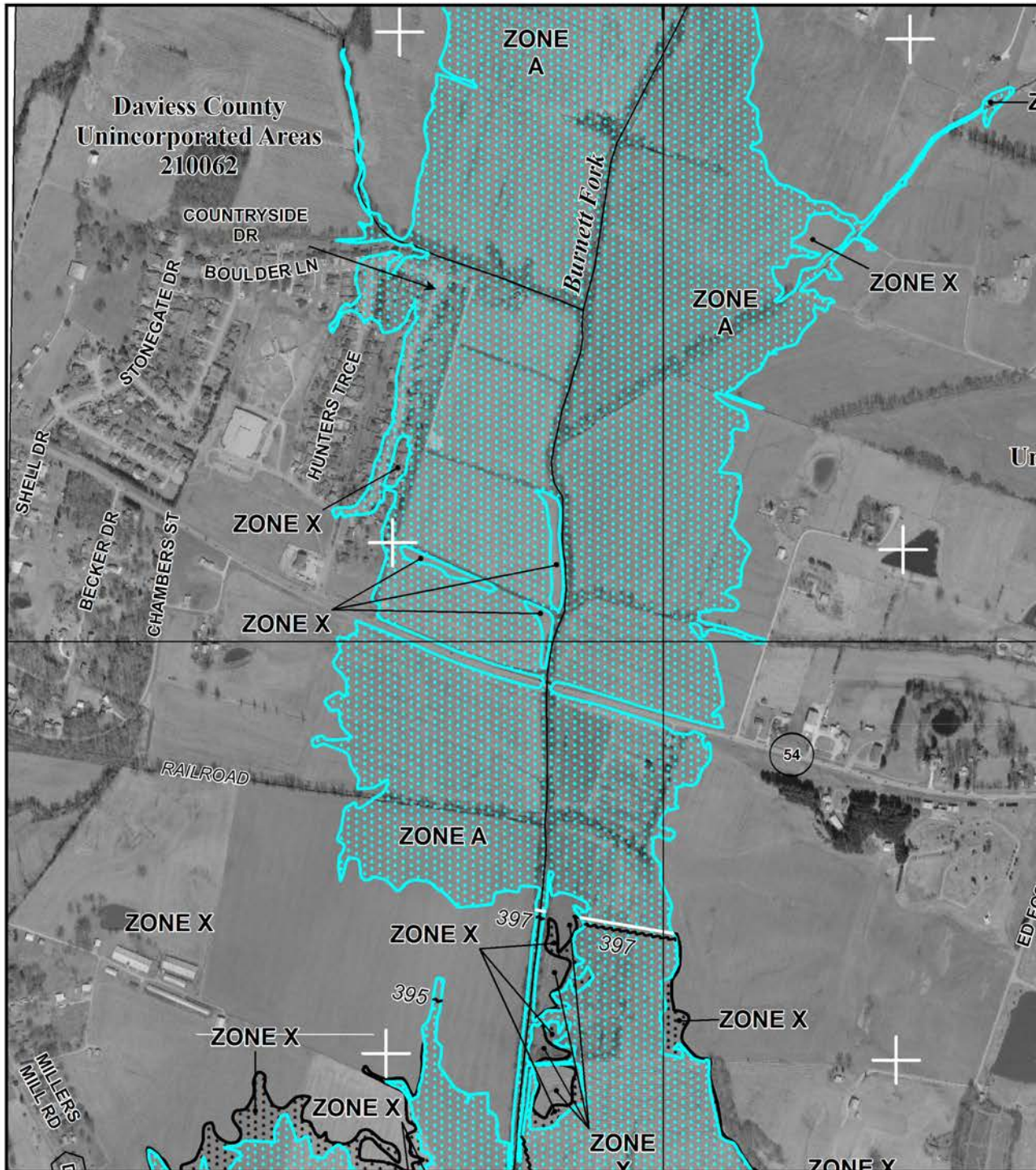
MAP REVISED
APRIL 16, 2009

MAP NUMBER
21059C0281D



State of Kentucky
Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov



MAP SCALE 1" = 1000'

0 0 1000 2000 FEET

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0285D

FIRM

FLOOD INSURANCE RATE MAP

DAVIESS COUNTY,
KENTUCKY
AND INCORPORATED AREAS

PANEL 285 OF 435
(SEE LOCATOR DIAGRAM OR MAP INDEX FOR
FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
DAVIESS COUNTY	210062	0285	D

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

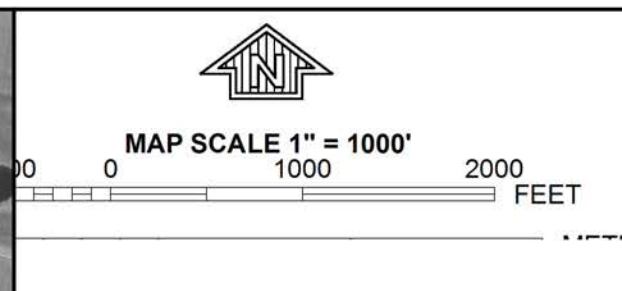
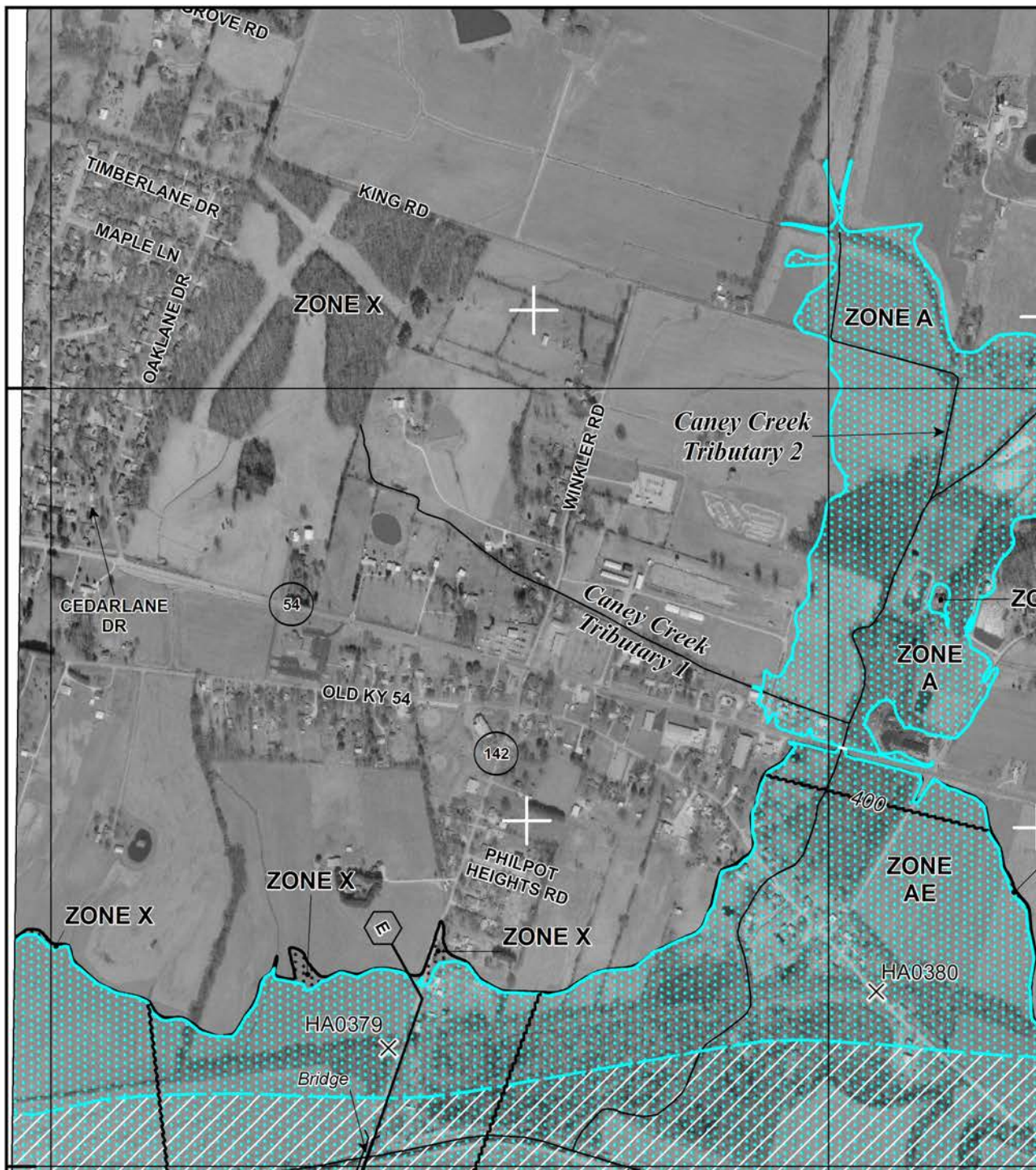
MAP REVISED
APRIL 16, 2009

MAP NUMBER
21059C0285D



State of Kentucky
Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov



NATIONAL FLOOD INSURANCE PROGRAM

NFIP

PANEL 0305D

FIRM

FLOOD INSURANCE RATE MAP

DAVIESS COUNTY, KENTUCKY AND INCORPORATED AREAS

PANEL 305 OF 435
(SEE LOCATOR DIAGRAM OR MAP INDEX FOR
FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
DAVIESS COUNTY	210062	0305	D

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

MAP REVISED
APRIL 16, 2009

MAP NUMBER
21059C0305D

State of Kentucky
Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

Appendix F – Photographs



KY 54 Section 1 Typical



KY 54 Approaching US 60 Interchange



KY 54 Section 2 Typical



KY 54/KY 1456 Intersection



KY 54 Section 3 Typical Section



Structure Approach on Section 3



KY 54 Section 3 Typical Section



KY 54/Waterwheel Way Intersection



KY 54/Jack Hinton Rd Intersection



KY 54/Countryside Dr Intersection



Stonegate Dr Intersection

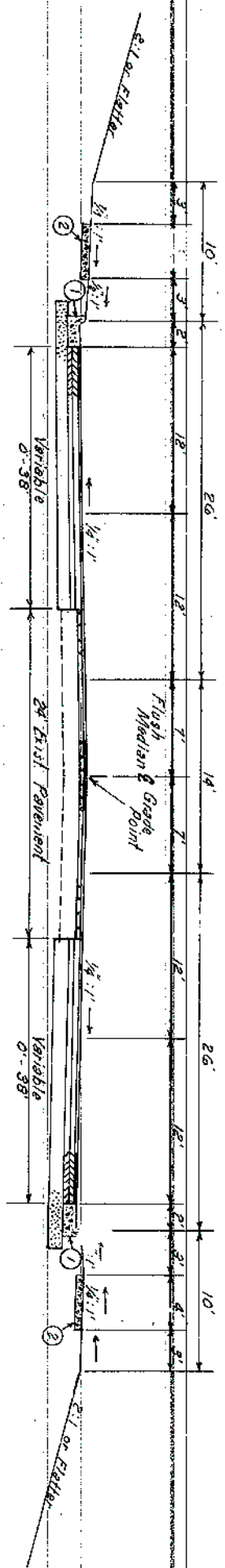
Appendix G – Existing Roadway Plans

TYPICAL SECTIONS

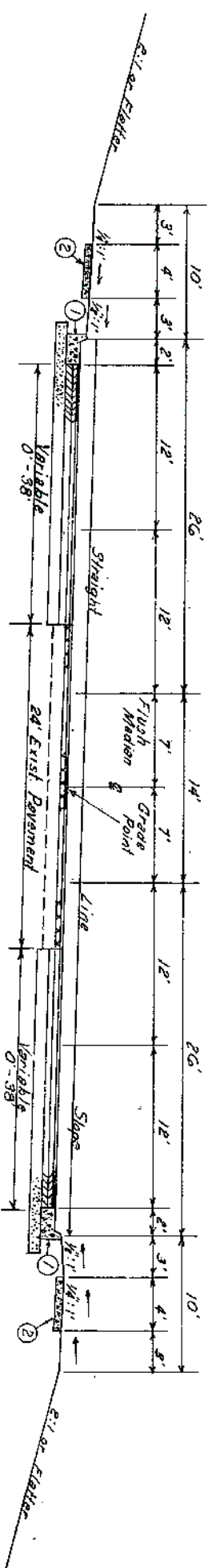
COUNTY	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
DAVIESS		2	487

M 8668 (S) RS 5078 (C) 201

— MAINLINE —



NORMAL SECTION



SUPERELEVATED SECTION

- ① Standard Curb and Gutter RPM 100-03
- ② 4" Cement Concrete Sidewalk

NEW CONSTRUCTION: Grade, Drain and Flexible Pavement

— USING —

- WIDENING (TRENCH)
Approximately 15' Base — 8" Compacted depth Dense Graded Aggregate Base (4" + 3 Courses)
7" Compacted depth Bituminous Concrete Base (4" + 3 Courses)
- OVERLAY
Leveling & Wedging — Bituminous Mixture for Leveling & Wedging (Estimated at 2" over Exst. Day 1)
Tack Coat — Bituminous Material for Tack (Apply as Directed by the Engineer, Between each Course)
Surface — 1" Compacted depth Bituminous Concrete Surface Class A

See Cross Sections for slopes outside the limits of the shoulders
See Cross Section and Plan Sheets for Construction Variations

MYLAR CROSS SECTION SHEETS ARE
SUITABLE FOR FINAL QUANTITIES

MAINLINE APPROACHES
STA. 264+75 TO STA. 276+00

TYPICAL SECTIONS

— APPROACHES —

SURFACING SCHEDULE FOR ROAD APPROACHES

Approximately 12" Base — 8" Compacted Depth Dense Graded Aggregate Base

Tack Coat — Bituminous Tack (Apply as Directed by the Engineer)

Surface — 1" Compacted Depth Bituminous Core Surface Class 1

SURFACING SCHEDULE FOR COMMERCIAL ENTRANCES

Approximately 9" Base — 6" Compacted Depth Dense Graded Aggregate Base

Tack Coat — Bituminous Tack (Apply as Directed by the Engineer)

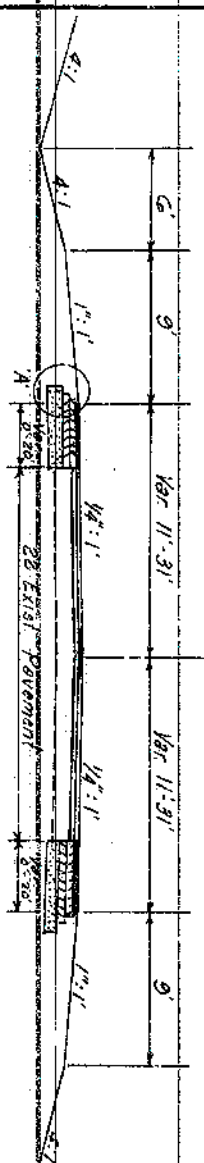
Surface — 1" Compacted Depth Bituminous Core Surface Class 1

SURFACING SCHEDULE FOR RESIDENTIAL ENTRANCES

Approximately 7" Base — 4" Compacted Depth Dense Graded Aggregate Base

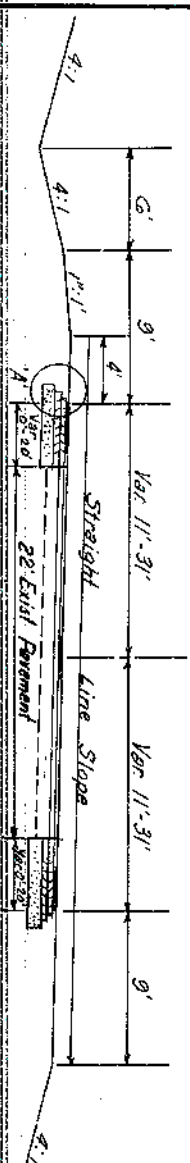
Tack Coat — Bituminous Tack (Apply as Directed by the Engineer)

Surface — 1" Compacted Depth Bituminous Core Surface Class 1



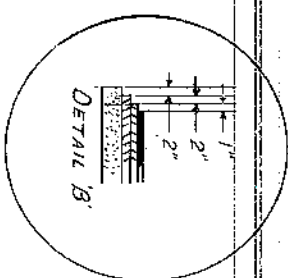
NORMAL SECTION

DETAIL A

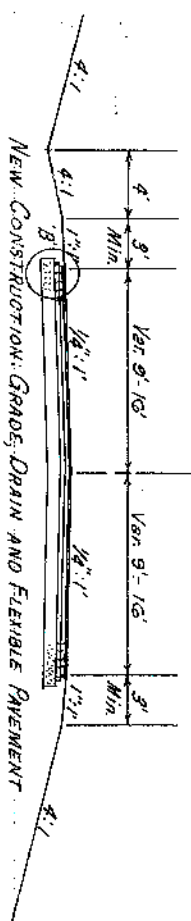


SUPERELEVATED SECTION
USE SURFACING SCHEDULE SEE
SHEET No. 2

ALLEY PARK DR. WEST & RALPH AVENUE



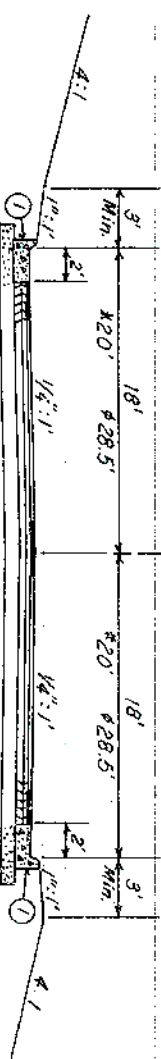
DETAIL B



NEW CONSTRUCTION: GRADE DRAIN AND FLEXIBLE PAVEMENT
ALLEY PARK DR. EAST
USE ROAD APPROACH SURFACING SCHEDULE

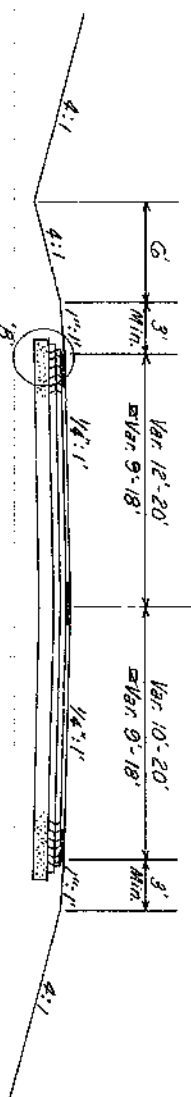


USE SURFACING SCHEDULE SEE SHEET No. 2
* COMMONWEALTH CT. & THOROBRED EAST
VILLA PT. PLAZA PT. & WATERWHEEL WAY
FAIRVIEW DR. RT. (KY. 3143) STA. 48+50 AH.



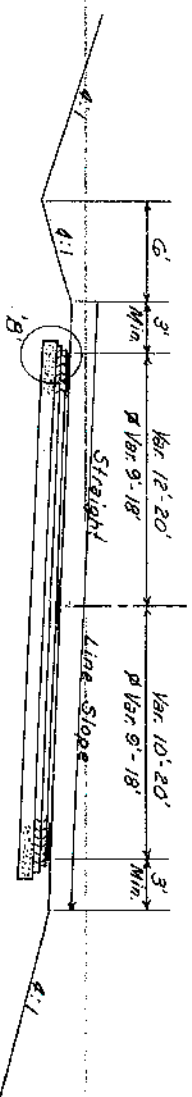
USE SURFACING SCHEDULE SEE SHEET No. 2

Standard Curb and Gutter RPM 100-03
See Cross Sections for slopes outside the
limits of the shoulders
See Cross Sections and Plan Sheets for
Construction Variations.



NORMAL SECTION

FAIRVIEW DR. RT. (KY. 3143) STA. 46+50 TO 48+50
P. THURSTON - DERMONT RD. & KY. 1456



SUPERELEVATED SECTION

NEW CONSTRUCTION: GRADE DRAIN AND FLEXIBLE PAVEMENT
USE ROAD APPROACH SURFACING SCHEDULE

SUPERELEVATED SHOULDERS: Construct to standard super-elevation except not flatter than the
slopes indicated on typical section for normal shoulders.

COUNTY	TOWN	SHEET	DATE
DAVIESS		20	197

M 6868(5) RS 5078(2) 201

GENERAL SUMMARY

ITEM CODE	ITEM	UNIT	M 8668(5)										R3 5078(6)					TOTAL PROJECT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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				ALVEY PARK DRIVE WEST	ALVEY PARK DRIVE EAST	VILLA POINT	PLALA POINT	FAIRVIEW DRIVE (KY 3143)			MAINLINE STA 26+17.5 TO STA 27+61.00	COMMON-WEALTH COURT	RALPH AVENUE		THOROBRAID EAST	KY 145G	THURSTON DERMONT ROAD																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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*

- ① Approximately 7.98 Acres
- ② Approximately 23.39 Acres
- ③ Note Deleted.
- ④ These Quantities are included in M Totals
- ⑤ Includes 2177 Cu Yds for Emb. Benching
- ⑥ Includes 6826 Cu Yds for Emb. Benching
- ⑦ Includes 8043 Cu Yds for Emb. Benching
- ⑧ Includes an estimated 3809G Cu Yds of Emb. in place to be obtained by the contractor in addition to useable existing material as shown in the Earthwork Calculations for the Total Project. (See below)
- ⑨ For Dust Control Only
- ⑩ Note Deleted.
- ⑪ Note Deleted.
- ⑫ Lt. Sta. 21+77 Remove 20' x 30' Concrete Slab Bridge.
- ⑬ See sheets 47a thru 47m for Quantities, Location and Details.
- ⑭ See sheets 47n thru 47g for Quantities, Location and Details.
- ⑮ See sheets 47h thru 47g for Quantities, Location and Details.
- ⑯ See sheet No. 87g thru 87m for notes, details and quantities.

TOTAL PROJECT EARTHWORK CALCULATIONS

48460 Emb. (Total from X-Sections)
16476 134% Shr on 48460 Cu Yds.
64936
26840 Useable Exc. (25638 Cam + 1202 Surf. D.)
38096 Additional Emb-in-Place Material
To Be Obtained by the Contractor.

COUNT OF	TOTAL	PAGE NO.	TOTAL SHEETS
DAVIES	26	14	14

R3 5078 (6)
M 8668 (5)

PIPE DRAINAGE SUMMARY

[illegible]

① Corrugated Steel or Aluminum Alloy Pipe Fabricated with 5% Vertical elongation.

② See Sheets No. 82 thru 87 for Details.

③ See Sheet No. 81 for Details.

④ See Std. Drawg. No. RDP-001 for Permissible Alternates.

PIPE DRAINAGE SUMMARY

SHEET NO.		COUNT OF		SHEET		TOTAL	
		DRAIERS		NO.		SHEETS	
				2d		149	

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEET
DAVIES	20	194	

DOCK INLET	DANIELSON	COUNTY OF			
PLUGGING		WHEEL YEAR			
PIPE			20	194	
	RS 5070 (C)				
	M 8668 (S)				
REMARKS					

DATE	COUNT	MATERIAL	SHEET NO.	TOTAL SHEETS	DRILLING
					PIPE
03/24/88	DAVIS58	RS 5078 (2)	26	194	REMARKS IN 8668 (5)

DAVIDSON	COUNTY OF	MICAL	SHEET NO.	TOTAL SHEETS
		1848	20	104
R5 5078 (C) 201				
M 8668 (S)				
REMARKS				
BOX TRILET				
FLUCCING				
PIPE				
4/13/86				

[illegible]

PIPE DRAINAGE SUMMARY

SHEET NO.			
SKEW			
R.C.P. CL. III OR B.C.C.S.P. 16 Ga. B.C.C.P. 16 Ga.	15"		
R.C.P. CL. III OR 16 GAGE B.C.C.S.P.F.L. B.C.C.A.P.F.L.	15"		
R.C.P. CL. III OR 16 GAGE B.C.C.S.P.F.L. B.C.C.A.P.F.L.	18"		
R.C.P. CL. III OR B.C.C.S.P. 16 Ga. B.C.C.P. 16 Ga.	18"		
R.C.P. CL. III OR 14 GAGE B.C.C.S.P.F.L. B.C.C.A.P.F.L.	24"		
R.C.P. CL. III (No ALT.)	18"		
R.C.P. CL. III OR 14 GAGE B.C.C.S.P.F.L. B.C.C.A.P.F.L.	24"		
R.C.P. CL. III (No ALT.)	30"		
R.C.P. CL. III OR 12 GAGE B.C.C.S.P.F.L. B.C.C.A.P.F.L.	30"		
R.C.P. CL. III OR 8 GAGE B.C.C.S.P. B.C.C.A.P.	36"		
R.C.P. CL. III OR 8 GAGE B.C.C.S.P. B.C.C.A.P.	36"		
TYPE 4			
TYPE 1			
TYPE 13 S			
TYPE 14			
TYPE 16			
CURB BOX INLET TYPE A			
18"	5' 4" BOX INLET/OUTLET		
R.C.P. CL. III (NO ALT.)	15"		
R.C.P. CL. III 16 GAGE C.S.P. OR 14 GAGE C.A.P.	15"		
R.C.P. CL. III OR 16 GAGE C.S.P. OR 14 GAGE C.A.P.	18"		
R.C.P. CL. III OR 12 GAGE C.S.P. OR 14 GAGE C.A.P.	24"		
R.C.P. CL. III OR 12 GAGE C.S.P. OR 12 GAGE C.A.P.	30"		
PERFORATED PIPE	4"		
NON-PERFORATED PIPE	4"		
SLOTTED DRAIN PIPE	12"		
B.C.C.S.P. 16 Ga. OR B.C.C.P. 16 Ga.	12"		
CLASS A CONCRETE			
STEEL REINFORCEMENT			
RECONSTRUCT ING MANHOLE REMOVING HEADWALL			
CAPPING DROP BOX INLET PLUGGING PIPE			
REMARKS			
RS 5078 (6) M 8468 (5)			
2'			
20'			

UNIT TO BID ON		LINEAR FOOT						EACH						LINEAR FOOT						CU YD LB.						EACH					
BID ITEM CODE		461	461	462	462	464	467	468	468	470	499	499	508	577	1450	1490	440	440	441	443	445	1000	1010	980	460	8100	8150	1189	2628	1364	1319

-RS 5018 (6) FSP 030 0054 003-005 MAINLINE CONT'D

Station	Run	Size	Material	Length	Notes	Remarks	Inspector	Date
1+00	1+20	12"	Cast Iron	20'	Good			
1+20	1+40	12"	Cast Iron	20'	Good			
1+40	1+60	12"	Cast Iron	20'	Good			
1+60	1+80	12"	Cast Iron	20'	Good			
1+80	2+00	12"	Cast Iron	20'	Good			
2+00	2+20	12"	Cast Iron	20'	Good			
2+20	2+40	12"	Cast Iron	20'	Good			
2+40	2+60	12"	Cast Iron	20'	Good			
2+60	2+80	12"	Cast Iron	20'	Good			
2+80	3+00	12"	Cast Iron	20'	Good			
3+00	3+20	12"	Cast Iron	20'	Good			
3+20	3+40	12"	Cast Iron	20'	Good			
3+40	3+60	12"	Cast Iron	20'	Good			
3+60	3+80	12"	Cast Iron	20'	Good			
3+80	4+00	12"	Cast Iron	20'	Good			
4+00	4+20	12"	Cast Iron	20'	Good			
4+20	4+40	12"	Cast Iron	20'	Good			
4+40	4+60	12"	Cast Iron	20'	Good			
4+60	4+80	12"	Cast Iron	20'	Good			
4+80	5+00	12"	Cast Iron	20'	Good			
5+00	5+20	12"	Cast Iron	20'	Good			
5+20	5+40	12"	Cast Iron	20'	Good			
5+40	5+60	12"	Cast Iron	20'	Good			
5+60	5+80	12"	Cast Iron	20'	Good			
5+80	6+00	12"	Cast Iron	20'	Good			
6+00	6+20	12"	Cast Iron	20'	Good			
6+20	6+40	12"	Cast Iron	20'	Good			
6+40	6+60	12"	Cast Iron	20'	Good			
6+60	6+80	12"	Cast Iron	20'	Good			
6+80	7+00	12"	Cast Iron	20'	Good			
7+00	7+20	12"	Cast Iron	20'	Good			
7+20	7+40	12"	Cast Iron	20'	Good			
7+40	7+60	12"	Cast Iron	20'	Good			
7+60	7+80	12"	Cast Iron	20'	Good			
7+80	8+00	12"	Cast Iron	20'	Good			
8+00	8+20	12"	Cast Iron	20'	Good			
8+20	8+40	12"	Cast Iron	20'	Good			
8+40	8+60	12"	Cast Iron	20'	Good			
8+60	8+80	12"	Cast Iron	20'	Good			
8+80	9+00	12"	Cast Iron	20'	Good			
9+00	9+20	12"	Cast Iron	20'	Good			
9+20	9+40	12"	Cast Iron	20'	Good			
9+40	9+60	12"	Cast Iron	20'	Good			
9+60	9+80	12"	Cast Iron	20'	Good			
9+80	10+00	12"	Cast Iron	20'	Good			

20	2/6	124	044	14	358
		132			529

22 23 24 25 26

1

PIPE DRAINAGE SUMMARY

[illegible]

COMPANY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
DAVIES		23	797

M 065057, RS 507816) 201

① Estimated of 2" Depth Over-Existing Pavement

~~PAVING AREAS~~

12

BRIDGE AND CULVERT SUMMARY

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
DAVLESS		28	97

M 8668(5) R5 5078 (6)

DIVISION OF BRIDGES-ESTIMATE AND PROJECT SUMMARY
KENTUCKY BUREAU OF HIGHWAYS

SHEET 1

COUNTY DAVLESS
ROAD LEITCHFIELD
SPECIAL DRAWINGS 21354/4SH

STATE PROJECT NO. FSP-030-0054-002-005-020-D
FEDERAL PROJECT NO. 0004 08668 005

COMPLETED DATE
REVISION DATE

STANDARD DRAWINGS BOX-006-04/1SH

TOTAL PLAN SHEETS 5

DRAWING NUMBER 21354
STATION ON PROJECT ROUTE 195+63.15
PLANS PREPARED BY KING

D-E-S-C-R-I-P-T-I-O-N-O-F-S-T-R-U-C-T-U-R-E
CULVERT
TOTAL LENGTH E-57.0
NO. OF BARRELS SINGLE
TYPE & SIZE 45.0 LEFT
INLET LENGTH RCBC 08X05
INLET ELEV. 27.0
OUTLET LENGTH 413.6
OUTLET ELEV. 30.0

DEPTH OF COVER 5.0
FOUNDATION EARTH

QUANTITIES
CODE UNIT DESCRIPTION
8100 C.Y. CONCRETE-CLASS A 86.8
8150 LBS. STEEL REINFORCEMENT 9836.7
8001 C.Y. STRUCTURE EXCAVATION-COMMON 195.3
2403 C.Y. REMOVING CONCRETE MASONRY 15.0
2200 C.Y. ROADWAY EXCAVATION 15.0
NOTE 1

TOTALS FOR
PROJECT
86.8
9836.7
195.3
15.0
15.0
NOTE 1

NOTES AND SPECIAL PROVISIONS
1 SEE ROADWAY PLANS FOR CHANNEL CHANGE EXCAVATION.
INLET END EXTENDED AT 45 DEG TO C/L OF EXISTING BARREL
SPECIAL NOTE FOR FABRIC WRAPPED BACKFILL DRAINS

BRIDGE AND CULVERT
QUANTITIES ARE NOT
INCLUDED IN THE
GENERAL SUMMARY.

BRIDGE AND CULVERT SUMMARY

DATE	11-28-78	BY	RS 5078 (C)
TOTAL SHEETS	27	NO.	19

DIVISION OF BRIDGES, ESTIMATE AND PROJECT SUMMARY
KENTUCKY BUREAU OF HIGHWAYS

SHEET 1

COUNTY DAVIESS
ROAD LEITCHFIELD

STATE PROJECT NO. FSP-030-0054-002 J05-020-D
FEDERAL PROJECT NO. 000RS 05078 003

COMPLETED DATE

SPECIAL DRAWINGS 21355/2SH, 21356/3SH

REVISION DATE

STANDARD DRAWINGS BOX-066-04/1SH

TOTAL PLAN SHEETS 6

DRAWING NUMBER 21355 21356
STATION ON PROJECT ROUTE -208+20.45 216+50.00
PLANS PREPARED BY KING KING

D-E-S-C-R-I-P-T-I-O-N-O-F-S-T-R-U-C-T-U-R-E

CULVERT	CULVERT
TOTAL LENGTH	E 68.0
NO. OF BARRELS	SINGLE SINGLE
SKEW	30.0 RIGHT 45.0 RIGHT
TYPE & SIZE	RCBC 12X06 RCBC 12X06
INLET LENGTH	34.0 71.0
INLET ELEV	411.3 413.0
OUTLET LENGTH	34.0 74.0

DEPTH OF COVER	7.0	EARTH	5.0
FOUNDATION	NOTE 4	NOTE 6	NOTE 5

QUANTITIES

CODE UNIT	DESCRIPTION	1534.4	250.4
8100 C.Y. CONCRETE-CLASS A		1534.4	250.4
8150 LBS. STEEL REINFORCEMENT		85	1078
8001 C.Y. STRUCTURE EXCAVATION-COMMON		25	
2403 C.Y. REMOVING CONCRETE MASONRY			
2200 C.Y. ROADWAY EXCAVATION			
	NOTE 1	NOTE 1	

TOTALS FOR PROJECT
408.4
40976
4469
25

NOTES AND SPECIAL PROVISIONS

- SEE ROADWAY PLANS FOR CHANNEL CHANGE EXCAVATION
- FLUME TYPE WINGS
- PAVED OUTLET WITH TRADITIONAL WINGS
- PAVED INLET WITH TRADITIONAL WINGS
- SPECIAL NOTE FOR FABRIC WRAPPED BACKFILL DRAINS

BRIDGE AND CULVERT
QUANTITIES ARE NOT
INCLUDED IN THE
GENERAL SUMMARY.

GENERAL NOTES

COUNT OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
DAVEISS		20	201
M 8668 (5)			
RS 5078 (6)			

THE CONTROL OF ACCESS ON THIS PROJECT SHALL BE BY PERMIT.

BUILDING REMOVAL NOTE

THE FOLLOWING IS A LIST OF BUILDINGS ON THIS PROJECT TO BE REMOVED BY THE CONTRACTOR:

PARCEL NO.	IMPROVEMENTS
64	STORE AND RESIDENCE
67	STONE AND RESIDENCE

ALL OTHER BUILDINGS WITHIN THE RIGHT-OF-WAY LIMITS ON THIS PROJECT ARE TO BE REMOVED BY OTHERS. HOWEVER, ANY REMAINING FOUNDATIONS OR DEBRIS SHALL BE REMOVED BY THE CONTRACTOR. NO DIRECT PAYMENT WILL BE ALLOWED FOR THIS WORK, SAME BEING INCLUDED IN THE UNIT PRICE BID FOR OTHER ITEMS OF WORK. ALL MATERIALS FROM THE DEMOLITION OF THESE BUILDINGS BECOME THE PROPERTY OF THE CONTRACTOR.

DETAIL SHEETS

ANY STANDARD DRAWINGS REFERRED TO IN THE PLANS, OR PROPOSAL, THAT ARE NOT ATTACHED AS HALF-SIZE SHEETS, HAVE BEEN INCLUDED ELSEWHERE IN THE PLANS AS FULL-SIZE DETAIL SHEETS.

BEFORE YOU DIE

THE CONTRACTOR IS ADVISED THAT HE CAN CALL 1-800-252-6002 FOR A LISTING OF 24 HOURS PRIOR TO EXCAVATION FOR INFORMATION ON THE LOCATION OF EXISTING UNDERGROUND UTILITIES, EXCEPT FOR THE COUNTIES OF GALLATIN, GRANT, PENDLETON, BOONE, KENTON AND CAMPBELL. FOR THESE COUNTIES, THE NUMBER TO CALL COLLECT IS (606) 397-466.

UTILITIES - HAZARDOUS OR FLAMMABLE MATERIALS

THE CONTRACTOR IS ADVISED TO EXERCISE CAUTION IN HIS OPERATIONS IN AREAS WHERE PLANS INDICATE THE PRESENCE OF A GAS LINE OR OTHER LINES CARRYING HAZARDOUS MATERIAL.

UTILITY NOTE

THE FOLLOWING UTILITY COMPANIES HAVE FACILITIES LOCATED ON SUBJECT PROJECT:

- ASHLAND OIL & TRANSPORTATION
- BIG RIVERS-ELECTRIC CORPORATION
- GREEN RIVER ELECTRIC CORPORATION
- KENTUCKY UTILITIES COMPANY
- OWENSBORO CABLEVISION
- SOUTHEAST DAVEISS WATER DISTRICT
- WESTERN KENTUCKY GAS COMPANY
- SOUTH CENTRAL BELL
- CITY OF OWENSBORO

BIG RIVERS ELECTRIC CORP. AND KENTUCKY UTILITIES HAVE NO RELOCATION NECESSARY. ASHLAND OIL & TRANSPORTATION, GREEN RIVER ELECTRIC CORP., OWENSBORO CABLEVISION, WESTERN KENTUCKY GAS COMPANY AND SOUTH CENTRAL BELL WILL HAVE THEIR FACILITIES RELOCATED AND/OR ADJUSTED PRIOR TO THE AWARD OF THE CONTRACT.

SOUTHEAST DAVEISS WATER DISTRICT AND CITY OF OWENSBORO RELOCATION WORK IS TO BE A PART OF THIS CONTRACT.

TRAFFIC NOTE

SEE PROPOSAL FOR MAINTENANCE OF TRAFFIC NOTES.

TRAFFIC CONTROL ITEMS

UNLESS OTHERWISE DIRECTED, ALL SALVAGEABLE TRAFFIC CONTROL ITEMS, DEVICES, MATERIALS AND INCIDENTALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR WHEN NO LONGER NEEDED FOR MAINTAINING AND CONTROLLING TRAFFIC DURING CONSTRUCTION.

DEPARTMENT OF THE ARMY PERMITS

CONSTRUCTION AT ONE OR MORE LOCATIONS ON THIS PROJECT IS FEDERALLY REGULATED BY A DEPARTMENT OF THE ARMY PERMIT. INDIVIDUAL, GENERAL, AND/OR ALIQUOT PERMITS. THE PERMITS ARE ASSEMBLED IN THE CONTRACT BID PROPOSAL DOCUMENT. THE CONTRACTOR SHALL PERFORM THE APPLICABLE WORK IN COMPLIANCE WITH THESE PERMITS. HE SHALL POST A COPY OF EACH PERMIT IN A CONSPICUOUS PLACE AT THE PROJECT SITE FOR THE DURATION OF PROJECT CONSTRUCTION AS DIRECTED BY THE PERMIT.

THE MATERIAL REQUIREMENTS FOR ANY TEMPORARY FILL USED IN AN AREA ON THIS PROJECT WHICH IS REGULATED BY A DEPARTMENT OF THE ARMY PERMIT SHALL BE INCIDENTAL TO THE CONTRACT. TEMPORARY FILLS INCLUDE, BUT ARE NOT LIMITED TO, FILLS USED FOR DETOURS, EQUIPMENT CROSSINGS, EQUIPMENT PADS, COFFROADS AND SIMILAR PURPOSES.

NOTICE - CAUTION - CLASSIFICATION

WITHOUT REGARD TO THE MATERIALS ENCOUNTERED, ALL ROADWAY AND DRAINAGE EXCAVATION SHALL BE UNCLASSIFIED. IT SHALL BE DISTINCTLY UNDERSTOOD THAT ANY REFERENCE TO ROCK, EARTH, OR ANY OTHER MATERIAL ON THE PLANS OR CROSS-SECTIONS WHETHER IN NUMBERS, WORDS, LETTERS OR LINES, IS SOLELY FOR THE DEPARTMENT'S INFORMATION AND IS NOT TO BE TAKEN AS AN INDICATION OF CLASSIFIED EXCAVATION OR THE QUANTITY OF EITHER ROCK, EARTH OR ANY OTHER MATERIAL INVOLVED. THE BIDDER MUST DRAW HIS OWN CONCLUSION AS TO THE CONDITIONS TO BE ENCOUNTERED. THE DEPARTMENT DOES NOT GIVE ANY GUARANTEE AS TO THE ACCURACY OF THE DATA AND NO CLAIM WILL BE CONSIDERED FOR ADDITIONAL COMPENSATION IF THE MATERIALS ENCOUNTERED ARE NOT IN ACCORD WITH THE CLASSIFICATION SHOWN.

SOILS ROADBED NOTE

ALL SOILS SHOWN ON THE SOIL PROFILE ARE SUITABLE IN THE TOP 12 INCHES OF THE ROADBED IN CUT AND FILL SECTIONS AND SHALL HAVE A MINIMUM CBR VALUE OF 5 OR GREATER.

EROSION CONTROL

SEED MIXTURE NO. 1 SHALL BE USED.

FERTILIZER SHALL BE APPLIED AT THE RATE OF 25 POUNDS PER 1000 SQUARE FEET.

AGRICULTURAL LIME/STONE SHALL BE APPLIED AT THE RATE OF 150 POUNDS PER 1000 SQUARE FEET.

BITUMINOUS CONCRETE NOTES

THE BITUMINOUS MATERIAL FOR BITUMINOUS CONCRETE SHALL BE AC-20.

BITUMINOUS CONCRETE SURFACE (FINE AGGREGATE)

NATURAL, CONGLOMERATE, CRUSHED SLAG, CRUSHED GRANITE, CRUSHED SILICEOUS GRAVEL, OR CRUSHED SANDSTONE SAND IS REQUIRED IN THE FINAL BITUMINOUS CONCRETE SURFACE COURSE IN THE PROPORTION OF NO LESS THAN 40% OF THE TOTAL COMBINED COARSE AND FINE AGGREGATE, EXCLUSIVE OF BITUMINOUS CONCRETE SURFACE FOR SHOULDERS.

STANDARD DRAWINGS FOR HEADWALLS

STANDARD DRAWINGS FOR HEADWALLS (600 SERIES) ARE NOT ATTACHED TO THESE PLANS BUT ARE AVAILABLE IN THE SUPPLEMENT TO THE STANDARD DRAWING BOOK, WHICH MAY BE OBTAINED FROM THE MANAGEMENT SERVICES DIVISION OF THE DEPARTMENT OF HIGHWAYS IN FRANKFORT, KENTUCKY AT A COST OF \$7.50 PER COPY.

PIPE REMOVAL

CONTRARY TO THE STANDARD SPECIFICATIONS, THE REMOVAL OF PIPE, WHETHER SHOWN ON THE PLANS OR NOT, IS INCIDENTAL TO THE CONTRACT.

PROPOSAL ATTACHMENTS

SPECIAL NOTE FOR COARSE AGGREGATES (4-7-86)

SPECIAL NOTE FOR PAYMENT RIDEABILITY (5-31-85)

SPECIAL NOTE FOR PERFORATED PIPE UNDERDRAINS AND ROCK OR SAND DRAINAGE BLANKETS (5-29-85)

SPECIAL NOTE FOR SIGNING, LOW SHOULDERS, AND SHOULDER COMPLETION (10-29-84)

SPECIAL NOTE FOR BITUMINOUS MIXTURES USING RECLAIMED MATERIALS (5-30-85)

SPECIAL NOTE FOR VALUE ENGINEERING (9-22-83)

SPECIAL NOTE FOR CORRUGATED POLYETHYLENE ENTRANCE PIPE (5-30-85)

SPECIAL NOTE FOR CURING CONCRETE (6-1-85)

SPECIAL NOTE FOR RIGID PIPE JOINTS (6-1-85)

SPECIAL NOTE FOR FABRIC WRAPPED BACKFILL DRAINS (1-20-86)

SPECIAL NOTES FOR DAVEISS COUNTY M 8668 (5) AND RS 5078 (6)

SPECIAL NOTE FOR DENSE GRADED AGGREGATE BASE (10-3-85)

SPECIAL NOTE FOR CRUSHED STONE BASE (11-15-85)

SPECIAL NOTE FOR PORTLAND CEMENT CONCRETE WITH CLASS C FLY ASH (12-13-85)

SPECIAL NOTE FOR MASONRY COATING CONCRETE FINISH (4-9-86)

SPECIAL NOTE FOR BITUMINOUS PAVEMENTS (6-25-86)

SPECIAL NOTE FOR BITUMINOUS CONCRETE LABORATORY MIX DESIGN CRITERIA (5-1-86)

SPECIAL NOTE FOR AUTOMATIC PRINTING SCALES (10-29-86)

SPECIAL NOTE FOR DELINEATOR POST (TYPE 1) (11-7-86)

SPECIAL PROVISIONS

- 38F (85) BUY AMERICA AND CARGO PREFERENCE
- 39A (85) GEOTEXTILE CONSTRUCTION
- 46F (85) PRICE ADJUSTMENT FOR PETROLEUM PRODUCTS
- 56D (85) PORTLAND CEMENT CONCRETE WITH FLY ASH
- 58A (85) HISTORIC PRESERVATION -- BORROW SITES
- 75C (85) GRADATION ACCEPTANCE OF NON-SPECIFICATION AGGREGATE

SLOTTED DRAIN PIPE

IN ADDITION TO THE REQUIREMENTS OF SECTION 810.02.05-1 OF THE STANDARD SPECIFICATIONS, SLOTTED DRAIN PIPE SHALL BE FURNISHED IN THE FOLLOWING GAGES AND SIZES, 12", 15", 18" AND 21" OF 16 GAGE, AND 24" AND 30" OF 14 GAGE. THE SLOTTED DRAIN PIPE MUST BE ON THE DEPARTMENT'S APPROVED LIST IN THE CENTRAL OFFICE DIVISION OF MATERIALS PRIOR TO ITS USE.

CONVENTIONAL SIGNS

- SURVEY LINE
- GRADE LINE
- GROUND LINE
- COUNTY LINE
- CORPORATE LIMITS
- PROPOSED RIGHT OF WAY
- RIGHT OF WAY MARKERS
- BENCH MARK
- EXISTING ROAD
- RAILROAD
- FENCE (CONTROLLED ACCESS)
- FENCE (EXCEPT STONE AND HEDGE)
- TREES
- PIPE CULVERT
- CULVERT
- BRIDGE
- BUILDINGS
- GUARD RAIL
- END TREATMENT GUARD RAIL
- TERMINAL SECTION
- EXISTING
- PROPOSED
- JOINT POWER & TELEPHONE POLE
- TELEPHONE & TELEGRAPH POLE
- ANCHOR POWER OR TELEPHONE
- STUB POWER
- STUB TELEPHONE
- WATER MAIN
- GAS MAIN
- TELEPHONE DUCT
- ELECTRIC DUCT
- TELEPHONE MANHOLE
- ELECTRIC MANHOLE
- SEWER MANHOLE
- STORM SEWER
- SEWER MANHOLE
- DIRECT BURIAL TELEPHONE CABLE
- DIRECT BURIAL TELEPHONE CABLE
- TOWER
- STONE FENCE
- HEDGE FENCE
- SWAMP OR MARSH
- SPRINGS
- SINK HOLE
- QUARRY SITE
- SALT CHECK
- SHUT TRAP
- LARGE STREAM
- SMALL STREAM
- INTERMITTENT STREAM
- LAKES OR PONDS
- NORTH POINT

DAN MARSH
HELEN MARSH (WF)
(ESTATE)

KATHERYN WIMSATT (WID.)

DAVIESS COUNTY BOARD OF EDUCATION

COUNTY	SHEET NO.	TOTAL SHEETS
DAVIESS	3	3

M 8668 (5) R5 5078 (6)

PROFILE
NOTE BOOK
No. _____
SURVEYED
PLOTTED
GRADES CHECKED
BY _____
DATE _____
STRUCTURE NOTATIONS CHECKED

PLAN
NOTE 1
No. _____
SURVEYED
PLOTTED
ALIGNMENT CHECKED
BY _____
DATE _____
RT OF WAY CHECKED

SOURCE OF LEVELS

- Ashland Oil & Transmission
- Owensboro, Ky.
- West Daviess Water District
- Owensboro, Ky.
- Owensboro Codewson
- Owensboro, Ky.
- Green River Electric Corp.
- Owensboro, Ky.
- South Central Bell Telephone
- Owensboro, Ky.
- Kentucky Utilities Company
- Lexington, Ky.
- Western Ky. Gas Company
- Owensboro, Ky.
- Owensboro Municipal Utilities (Power)
- Owensboro, Ky.

PAUL A. NELSON
KATHLEEN NELSON (WF)

JAMES G. FRENCH

KENTUCKY
DEPARTMENT OF HIGHWAYS
COUNTY OF
DAVIESS
LEITCHFIELD ROAD (KY. 54)
PROJECT M. 8668 (5) R5 5078 (6)
FSP 030 0054 002-005
5/22/19, B.G. BY C.C. 2/2/20

SCALE: 1"=20'

PLAN STA. 170+00 TO STA. 174+00

71575 TOWN NO. 2

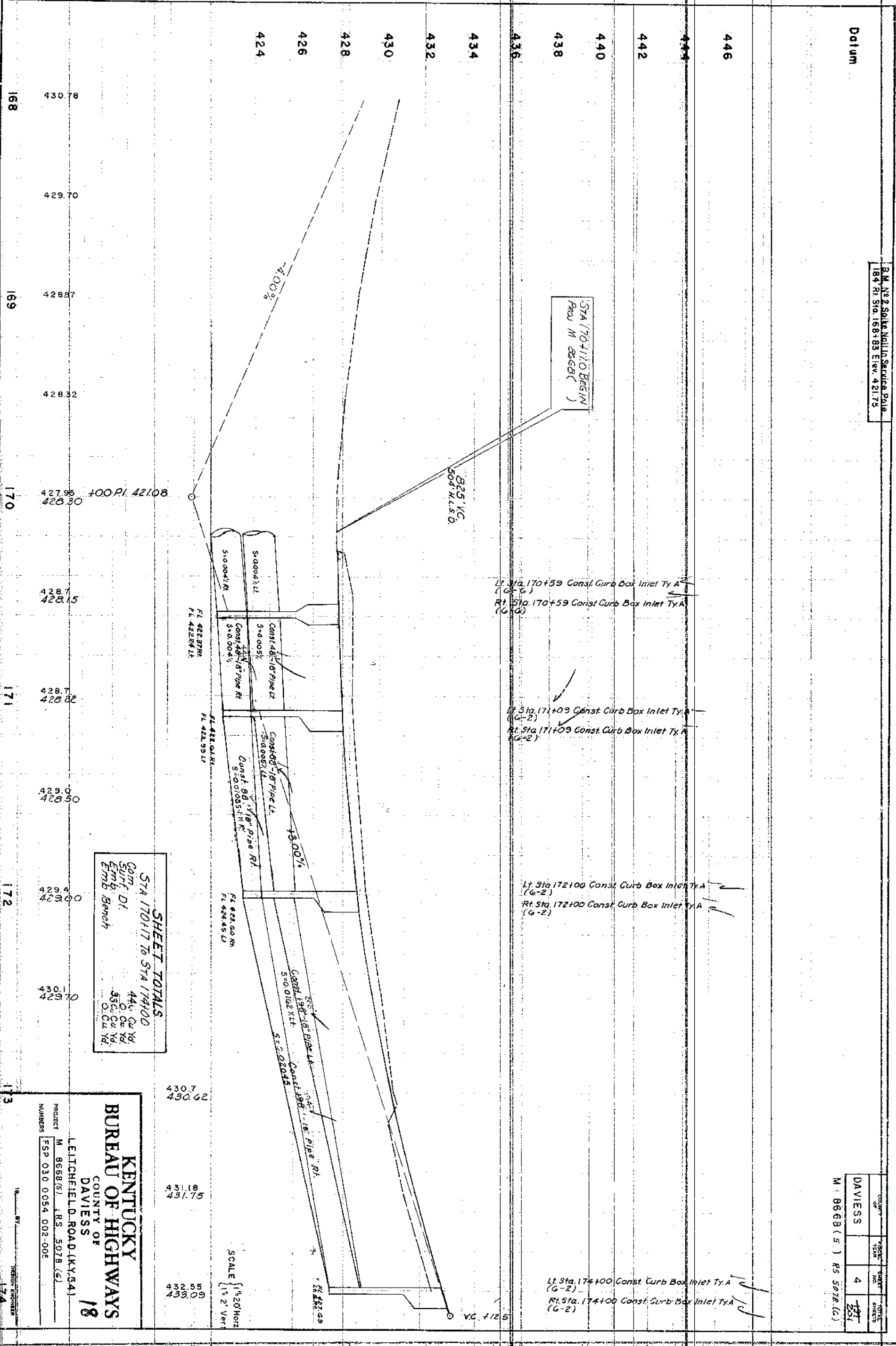
B.M. N 2 Spike Nail in Service Pole
184' R. Sta. 168+83 Elev. 421.75

Datum

DATE	BY	NO.	SHEET	TOTAL
DAVISS		4	181	281

M 8668 (5) R5 5072 (G)

BRUNING
3-1-64
FORM NO. 5



SHEET TOTALS
STA 170+17 TO STA 174+00
Comp. 44' Cu Yd
Surf. DI. 0 Cu Yd
Emb. 33' Cu Yd
Emb. Bench 0 Cu Yd

KENTUCKY
BUREAU OF HIGHWAYS
COUNTY OF
DAVISS
18
LEITCHFIELD ROAD (KY. 54)
PROJECT M 8668 (5) R5 5072 (G)
NUMBERS FSP 030 0054 002-006

PROFILE STA. 170+00 TO STA. 174+00

Oatum

BM N 93 Spike Nail in Power Pole
147 Rt. Sta. 178+50 Elev. 437.52

DAVISS
M 8668 (S)
RS 5078 (C)

Lt. Sta. 176+19 Const. Curb Box Inlet Ty. A (G-2)
Rt. Sta. 176+19 Const. Curb Box Inlet Ty. A (G-2)

Lt. Sta. 178+36 Const. Curb Box Inlet Ty. A (G-2)
Rt. Sta. 178+36 Const. Curb Box Inlet Ty. A (G-2)

Lt. Sta. 180+00 Const. Curb Box Inlet Ty. A (G-2)
Rt. Sta. 180+00 Const. Curb Box Inlet Ty. A (G-2)

444

442

440

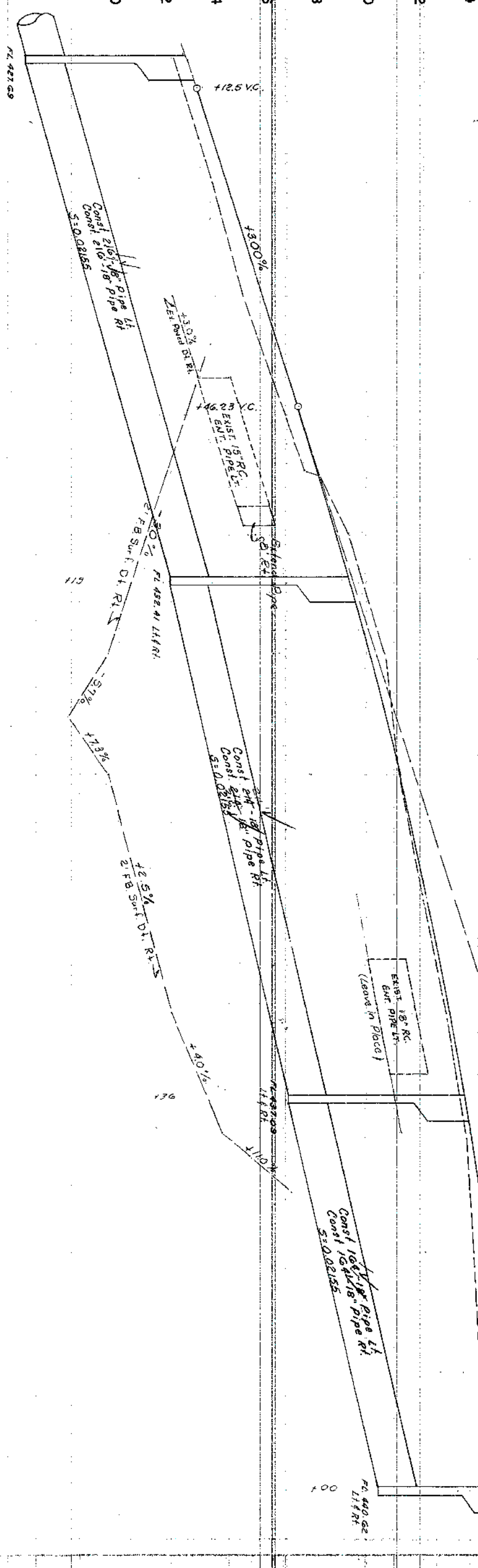
438

436

434

432

430



SHEET TOTALS
Sta 174+00 to Sta 180+00
Comp. 718 Cu Yd
Surf. Dt. 47 Cu Yd
Emb. 182 Cu Yd
Emb. Bench 726 Cu Yd

SCALE { 1" = 20' Horiz.
1" = 2' Vert.

433.09
433.09

434.01
434.58

435.33
436.08

437.00
437.58

439.5
439.07

440.9
440.37

441.44
441.50

442.40
442.56

443.37
443.50

444.10
444.37

444.41
445.00

444.98
445.57

444.9
446.02

PROFILE STA. 174+00 TO STA. 180+00

180

1-S-Merit Bidg

PL 18040794
J - 10 11' 46" U.
C - 0° 30' 00" R.
T - 119.52'
L - 239.22'
R - 11459.16'
E - 0.62'
Se-WC.

(55.6 Sq. Yd. C. C. Ent. P. Unit.)
(W/ 80.57. 8th P. Unit.)

R.

1. Sta 183440 Const. 50' diam. Ent.
1. (55-65 Yd. C.C. Ent. Punt)
(W 35-57. 87. Punt.)

COMMONWEALTH OF KENTUCKY
DEPT. OF HUMAN RESOURCES

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
DAVIESS		1	1861

M 8668 (5) RS 5078 (C)

ALVEY BROTHERS LUMBER CO. INC

At Sta. 181+85 Const Sidewalk Ramp
Ty. 3 Condition No. 1

RT 51a 102+45 Const sidewalk Ramp
Type 3 Condition No. 1

CENTRAL REALTY OF OWENSBORO

ROBERT H. STEELE

SCALE: 1"=20'

PLAN STA. 180+00 TO STA. 186+00

Datum

+3.00%

P.I. 180+58.73
Elev. 452.84

H.I. PT. 181+56.35
Elev. 446.62

Lt. Sta. 183+03 Const. Curb Box Inlet Ty. A (4-2)
Rt. Sta. 183+03 Const. Curb Box Inlet Ty. A (4-2)

Lt. Sta. 184+41 Const. Curb Box Inlet Ty. A (4-2)
Rt. Sta. 184+41 Const. Curb Box Inlet Ty. A (4-2)

Lt. Sta. 185+78 Const. Curb Box Inlet Ty. A (4-2)
Rt. Sta. 185+78 Const. Curb Box Inlet Ty. A (4-2)

BM #4 Spike Nail in Power Pole
277 Rt. Sta. 184+37 Elev. 442.04

DAVIES 8 198
M 8668 (5) R5 5078 (6)

446

444

442

440

439

436

434

432

430

1025 V.C.
533 V.P.S.D.

FL 440.94 U.S.A.R.

Const. 183+15 Pipe R/L
3" x 0.015" L.R. R/L

FL 439.50 U.S.A.R.

Const. 184+15 Pipe R/L
3" x 0.015" L.R. R/L

171.23 V.C.

444.9
446.02

445.02
446.34

445.14
446.54

445.25
446.62

445.08
446.57

445.0
446.40

444.6
446.11

+43
444.2
445.76
444.2
445.70

443.7
445.16

443.06
444.50

442.45
443.71

441.64
442.81

440.84
441.80

SHEET TOTALS
STA 180+00 To STA 186+00
Comp. DI
Sub. DI
Emb. Bench
182 Cu Yd
183 Cu Yd
184 Cu Yd
185 Cu Yd

SCALE { 1" = 20' Horiz.
1" = 2' Vert.

22

PROFILE STA 180+00 To STA 186+00

JOHN W. KENNEDY

188

Lt. Sta 189+00 to Sta 190+00 =
Mill and Texture Exist. Pym't.
(Estimated 07 tons)

66

ROBERT W. FIELD SR

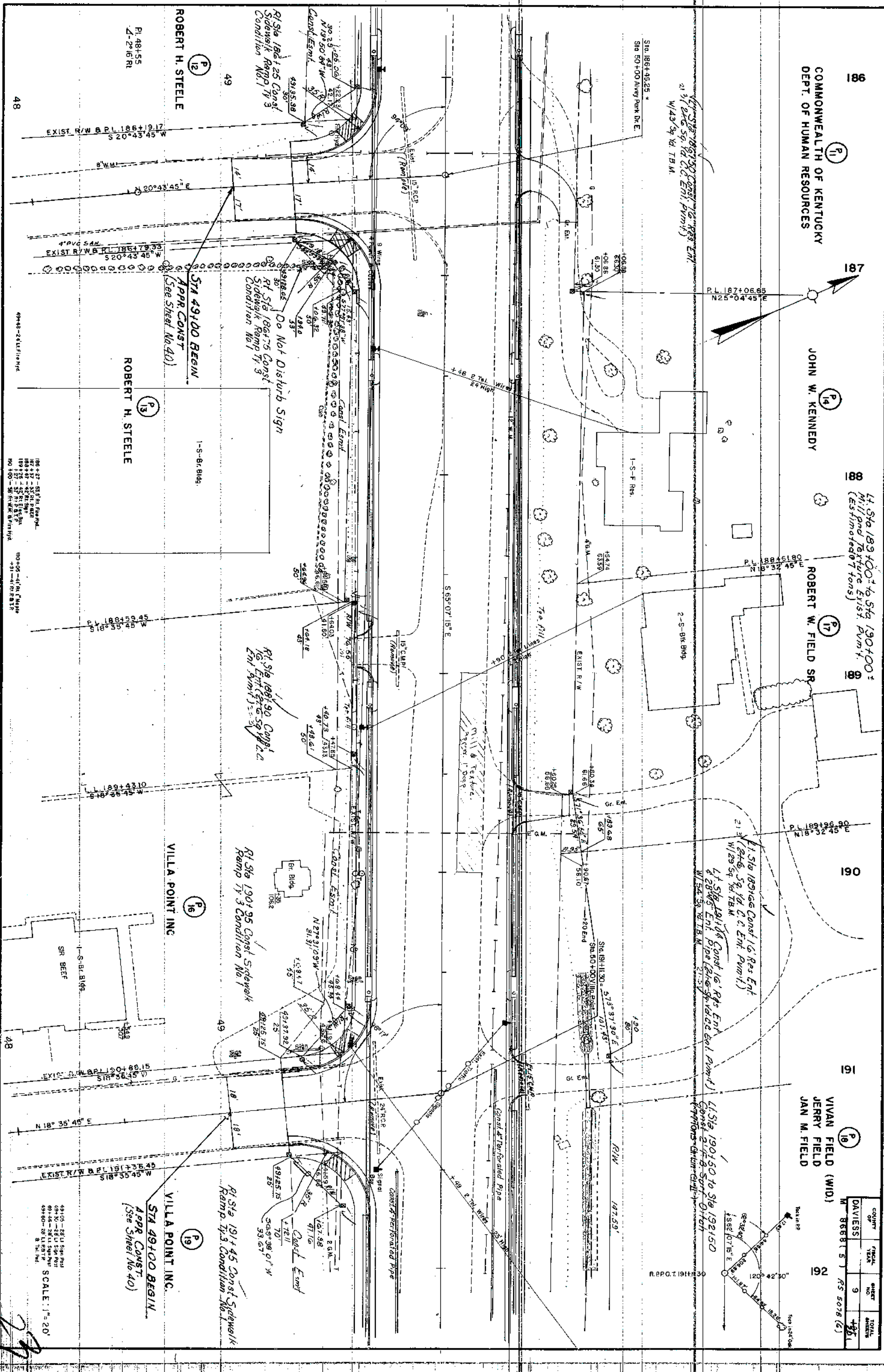
190

191

VIVAN FIELD (WID.)
JERRY FIELD
JAN M. FIELD

COUNTRY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
DAVEISS		9	9

M 8668 (5) RS 5076 (6)



PLAN STA. 186+00 TO STA. 192+00

Datum

DAVISS 10 1st 201
M. 8668(5) R5 5078(6)

446
444

Lt. Sta. 187+50 Const. Curb Box Inlet Ty.A
(4-2)
Rt. Sta. 187+50 Const. Curb Box Inlet Ty.A
(4-2)

442

Lt. Sta. 189+15 Const. Curb Box Inlet Ty.A
(4-2)
Rt. Sta. 189+15 Const. Curb Box Inlet Ty.A
(4-2)

440

Lt. Sta. 190+60 Const. Curb Box Inlet Ty.A
(4-2)
Rt. Sta. 190+60 Const. Curb Box Inlet Ty.A
(4-2)

438

436

434

432

430

428

426

424

440.84
441.80

440.01
440.78

439.20
439.76

438.21
438.74

437.19
437.72

436.26
436.70

435.52
435.86
435.35
435.68

434.48
434.62
434.08
434.33

433.34
433.64

432.26
432.56

431.09
431.60
430.94
431.44

430.12
430.58

429.62
429.96

SCALE 1"=20' Horiz
1"=2' Vert

SHEET TOTALS
Sta 186+00 to Sta 192+00
Comp. D.T. 616 Cu.Yd.
Emh. 1463 Cu.Yd.
Emh. Bench 104 Cu.Yd.

PROFILE STA: 186+00 TO STA: 192+00

24

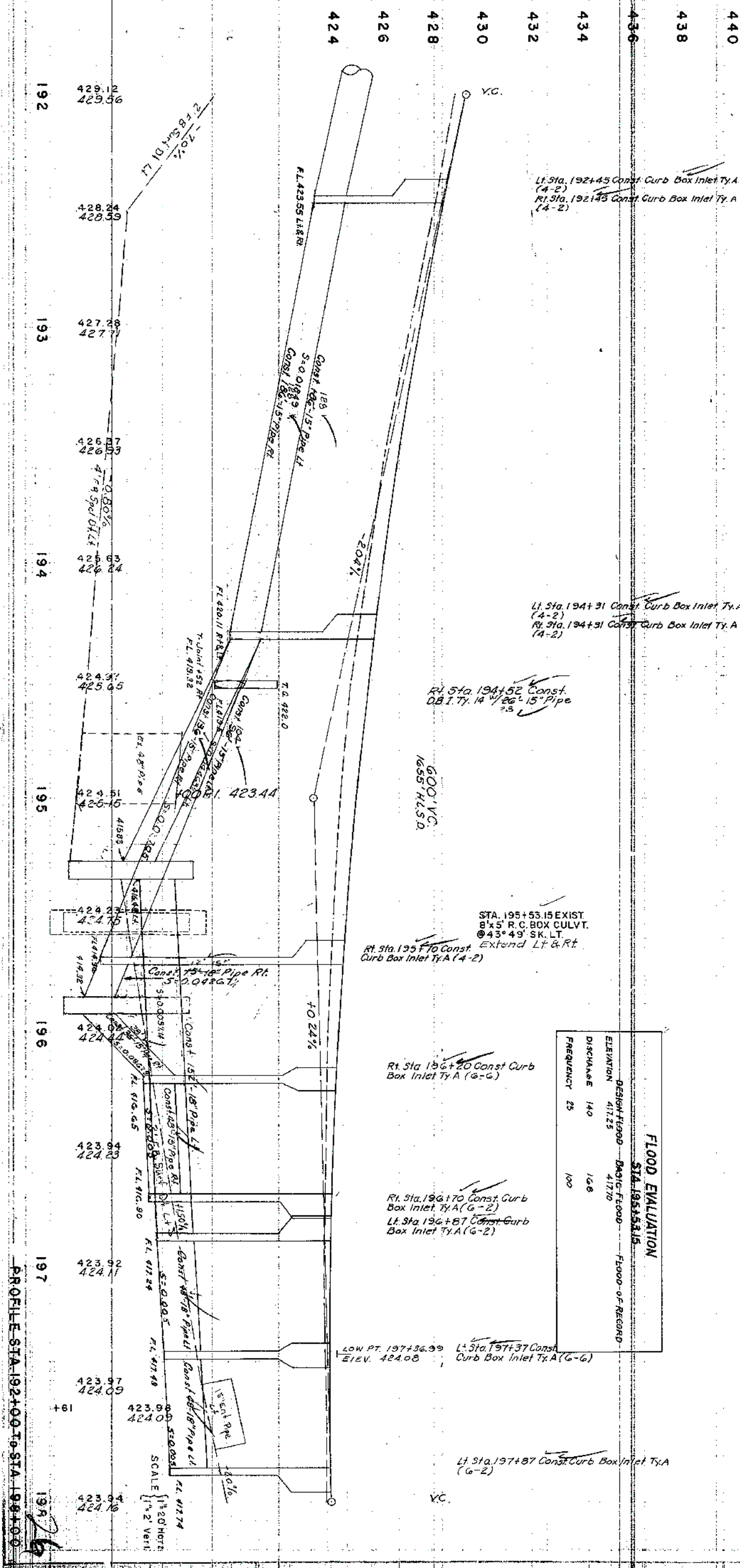
Datum

256' Lt. Sta. 195+22 Elev. 420.18

DAVIES 12 197
M 8668 (5) AS 5076 (2)

SHEET TOTALS
STA 192100 TO STA 198100
Comp. DI
797 Cu Yd
177 Cu Yd
575 Cu Yd
Emb. Bench
1503 Cu Yd

FLOOD EVALUATION			
	DESIGN FLOOD	EXIST. FLOOD	FLOOD-OF-RECORD
ELEVATION	417.25	417.70	
DISCHARGE	140	166	
FREQUENCY	25	100	



PROFILE STA. 192+00 TO STA. 198+00

98

99

200

201

202

203

204

EDWARD L. SWEAT
BARBARA G. SWEAT (WF)

LI STA 198+00 to Sta 200+00
Const. 24" B.S. 17" Ditch
(133.59 Yds. Sod)

PAUL I. MCCARTY
MARION J. MCCARTY (WF)
LI STA 201+91.5 Const. 40"
Const. 24" B.S. 17" Ditch
(133.59 Yds. Sod)

EDWARD L. RICHARDS
LORETTA M. RICHARDS (WF)
BILLY JOE MILES
NANCY MILES (WF)

LI STA 203+25 to 204+00 Const
24" B.S. 17" Ditch
(235.94 Yds. Sod)

COUNTY	SHEET	TOTAL
DAVIESS	13	46
M 8653 (5) RS 5078 (6)		

JOE A. HARPER
WANDA HARPER (WF)

STA 46150 BEGIN
Const. 24" B.S. 17" Ditch
(See Sheet No 40)

LILLIAN BRABANDT

STA 202150.4
END M. 866.05
BEGIN RS 5078.63

LI STA 202+50 to Sta 204+00
Const. 24" B.S. 17" Ditch
(213.59 Yds. Sod)

LI STA 202+50 to Sta 204+00
Const. 24" B.S. 17" Ditch
(213.59 Yds. Sod)

LI STA 201+70 Const. Sidewalk
Ramp Ty. 3 Condition No 1

LI STA 198+00 to Sta 201+50 Const.
36" 4" Perforated Pipe

Const. 4" Perforated Pipe

Const. 4" Perforated Pipe

Const. 4" Perforated Pipe

Const. 4" Perforated Pipe

Const. 4" Perforated Pipe

Const. 4" Perforated Pipe

Const. 4" Perforated Pipe

Const. 4" Perforated Pipe

Const. 4" Perforated Pipe

Const. 4" Perforated Pipe

Const. 4" Perforated Pipe

Const. 4" Perforated Pipe

Const. 4" Perforated Pipe

SCALE: 1"=20'

PLAN STA 198+00 TO STA 204+00

B. M. No 6 Spike Nail in Telephone Pole
247 Rt. Sto. 201+74 Elev. 419.04

DAVIESS 14 ~~19~~
201
M. 8668(5) RS 5078(6)

SHEET TOTALS	
57A 2021.50 To 57A 2044.00	
Comp	181 Cu Yd.
Subf. Of	38 Cu Yd.
Emb	387 Cu Yd.
Emb. Bench	17 Cu Yd.

Sta. 190+93 Const Gurb Box Inlet Ty A
(6-2)

Let Sta. 199+98 Const. Curb Box Inlet Ty. A
(6-2)

Sta. 200+63 Const. Curb Box Inlet Ty. A
(6-2)

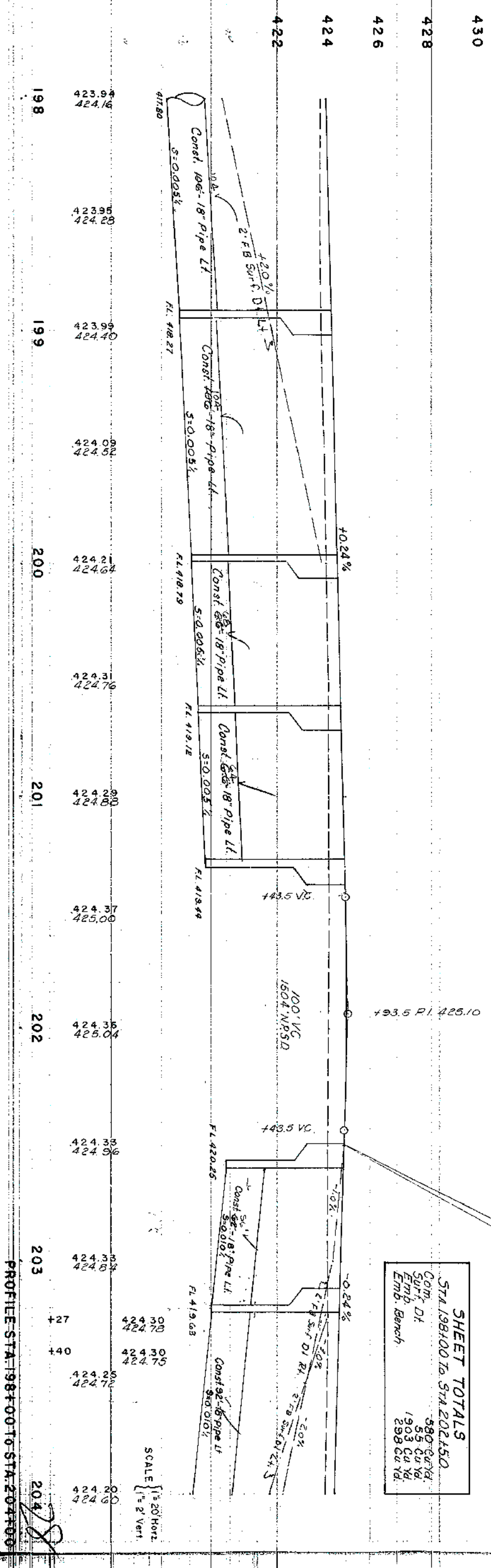
At Sta. 201+28 Const. Curb Box Inlet Ty. A
(6-2)

LA Sta. 202+58 Const. Curb Box Inlet TxA
(6-2)

Sta. 203+20 Const. Curb Box Inlet Ty. A
(6-2)

STA 202+50.0
END M 8668(5)
BEGIN RS 5078(6)

SHEET TOTALS	
STA 198+00 To STA 202+50	
Comp.	580 Cu Yd.
Subt. Dk.	55 Cu Yd.
Emb.	1903 Cu Yd.
Emb. Bench	298 Cu Yd.



204
P 25
EDWARD L. RICHARDS
LORETTA M. RICHARDS (WF)
BILLY JOE MILES
NANCY MILES (WF)

EDWARD L. RICHARDS
LORETTA M. RICHARDS (WF.)

205

Lt Sta 204+00 to Sta 204+45
Const 2' F.B. Surf. Ditch
(203 Sq Yd Sod)

Lt Sta 204+45 to Sta 205+00
Const 2' F.B. Surf. Ditch
(203 Sq Yd Sod)

207

208

J.P. RUSHER
MAGGIE RUSHER (WF)

209

Lt Sta 207+65 to Sta 209+00
Const 2' F.B. Surf. Ditch
(617 tons Ch Lin Cl II)

Lt Sta 209+00 to Sta 210+00
Const 2' F.B. Surf. Ditch
(138 tons Ch Lin Cl II)

210

COUNT OF FEET YEAR	SHEET NO.	TOTAL SHEETS
DAVISS	15	15
RS 50781 (6)	M 666 (5)	

Lt Sta 204+45 Const 40' Comm
Const 2' F.B. Surf. Ditch
(203 Sq Yd Sod)

Lt Sta 208+50 to Lt Sta 210+00
Const 2' F.B. Surf. Ditch
(138 tons Ch Lin Cl II)

LILLIAN BRABANDT
P 27

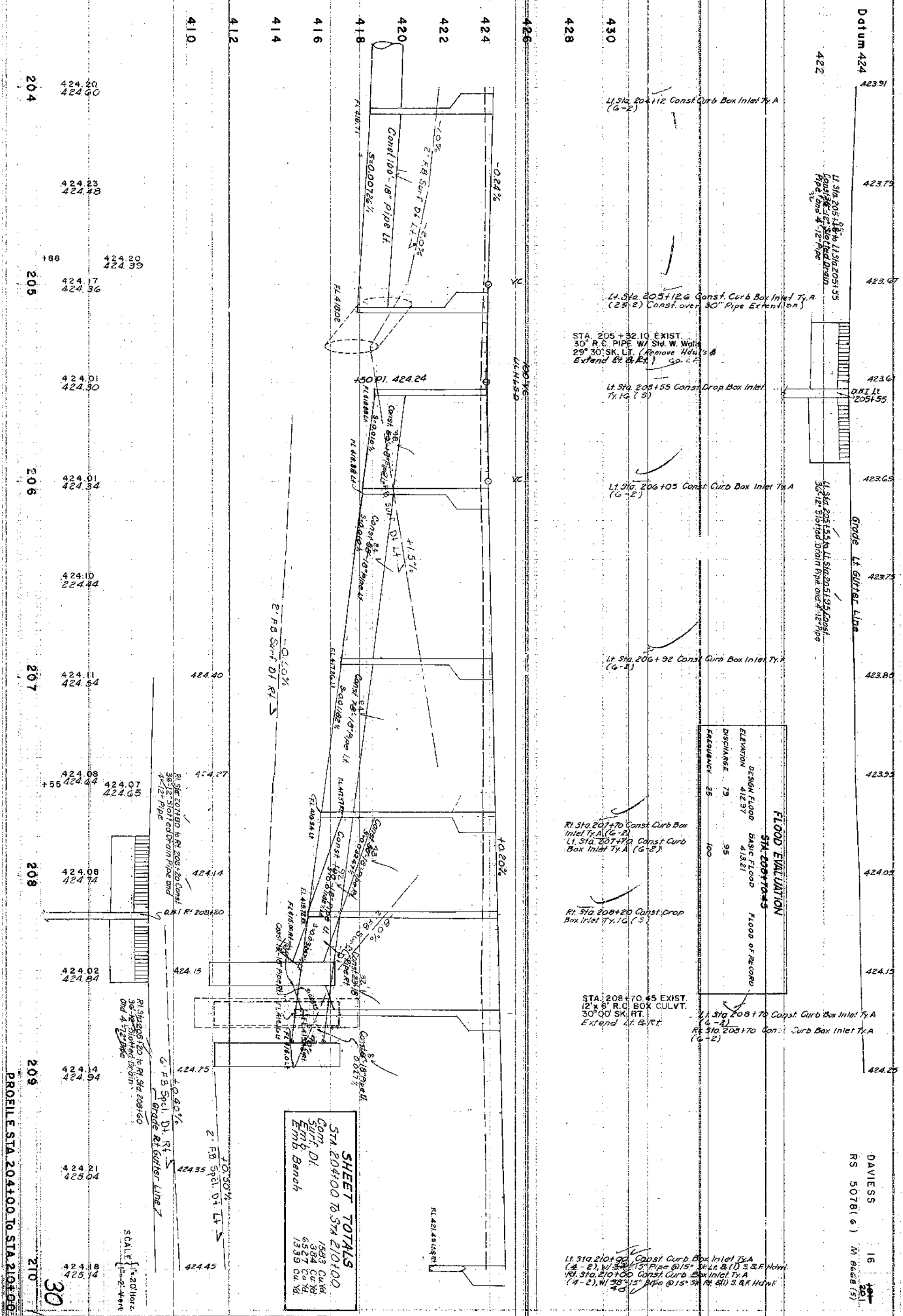
Lt Sta 205+00 to Sta 208+20
Const 2' F.B. Surf. Ditch
(114 tons Ch Lin Cl II)

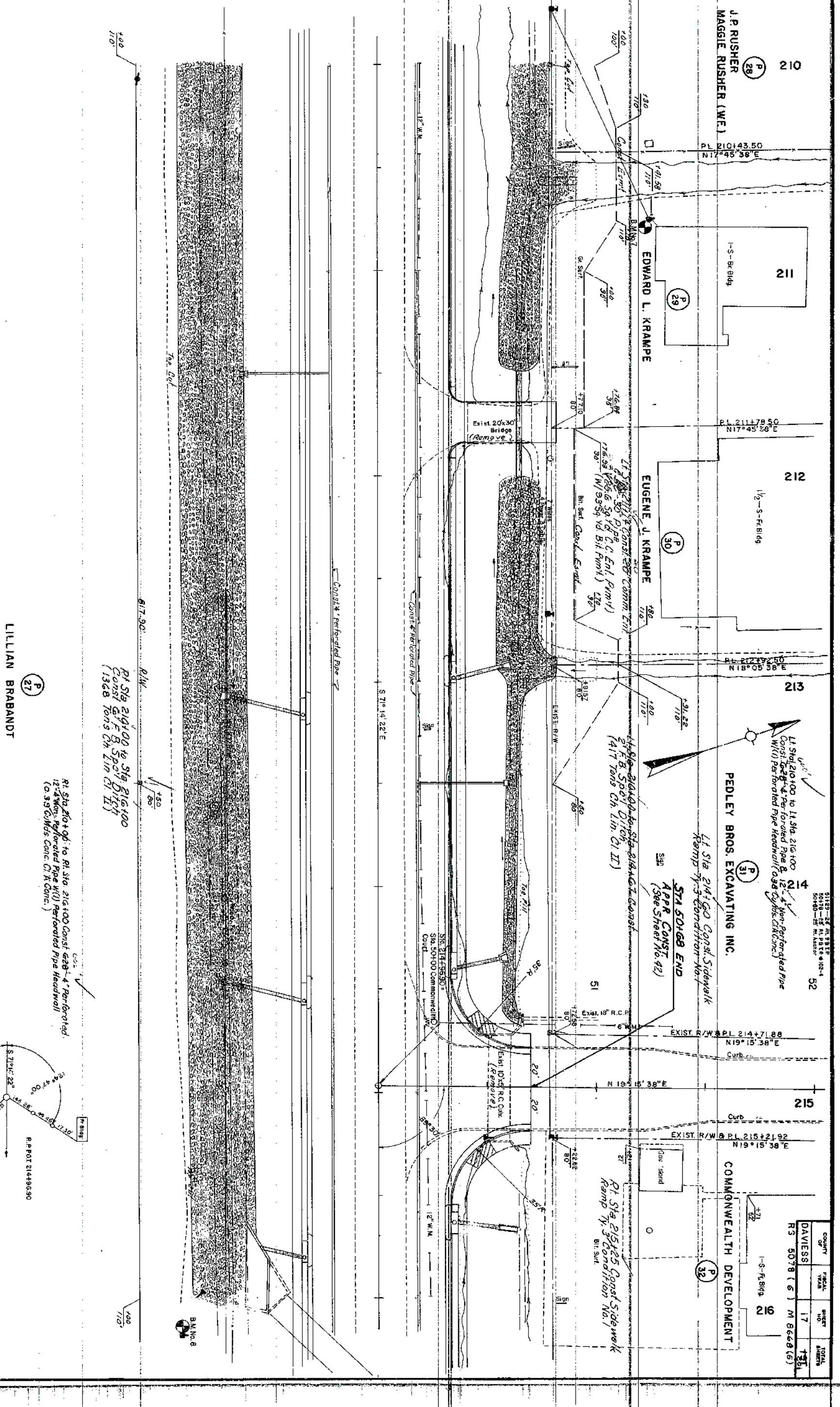
Lt Sta 203+75 to Lt Sta 210+00
Const 2' F.B. Surf. Ditch
(114 tons Ch Lin Cl II)

Lt Sta 208+20 to Sta 210+00
Const 2' F.B. Surf. Ditch
(410 tons Ch Lin Cl II)

SCALE: 1"=20'

PLAN STA 204+00 to STA 210+00





LILLIAN BRABANDT

27

Rt. Sta. 210+00 to Rt. Sta. 216+00 Const. 628'-4" Perforated 12'-4" Wdg. Perforated Pipe w/1" Perforated Pipe Headwall (0.33 CuYds Conc. Ct. A Conc.)

At Sta 214+00 to Sta 216+00
Const of F.B. Spec' Ditch
(1368 Tons Ch Lin Cl. II)

517-201 R/W

750
80

PLAN STA 210+00 TO STA 216+00

SCALE: 1"=20'

60

PLAN 7 Spike Nailin Service Pole
125' Lt. Sta. 210+177 Elev. 421.11

Datum

DAVISS 18 197
RS 5078 (6) / M 8668 (5)

428

426

424

422

420

418

416

414

412

410

210

211

212

213

214

215

216

423.18
425.14

424.19
425.24

424.37
425.34

424.45
425.39

+73

424.41
425.37

424.40
425.32

424.40
425.20

424.39
425.08

424.32
424.96

424.24
424.84

424.23
424.72

424.18
424.60

424.17
424.48

424.21
424.36

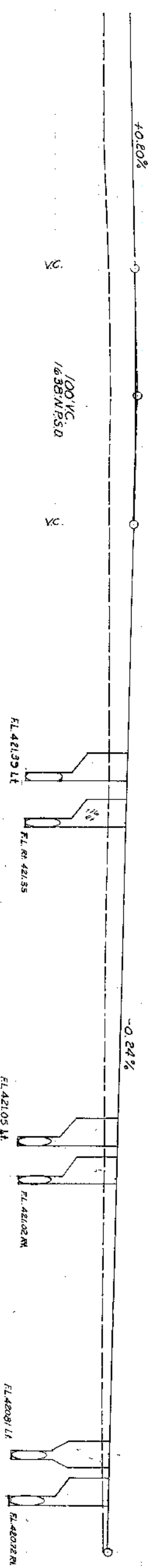
10.50%
1.60%

Const 52'-50" R.R.

40.50%
2' FB Spill Out Lt

40.70%

+0.40%
Grp B Spill Out Rt



+50 Rt. 425.44

Lt Sta. 212+90 Const Curb Box Inlet Ty. A
(4-2) W/ 24\"/>

Rt Sta. 213+40 Const Curb Box Inlet Ty. A
(4-2) W/ 24\"/>

Lt Sta. 214+40 Const Curb Box Inlet Ty. A
(4-2) W/ 24\"/>

Rt Sta. 214+50 Const Curb Box Inlet Ty. A
(4-2) W/ 32\"/>

Lt Sta. 215+62 Const Curb Box Inlet Ty. A
(4-6) W/ 12\"/>

Rt Sta. 215+50 Const Curb Box Inlet Ty. A
(4-2) W/ 20\"/>

SHEET TOTALS
Sta 210+00 To Sta 216+00
Comp 4164 Cu Yd
Surf Dt 0 Cu Yd
Emb. Bench 7706 Cu Yd
1537 Cu Yd

SCALE 1\"/>

PROFILE STA. 210+00 TO STA. 216+00

216

217

218

219

220

221

222

COMMONWEALTH DEVELOPMENT

AUDUBON ENTERPRISES

THOMAS N. THOMPSON

COUNTY	TOTAL	SHEET	TOTAL
DAVIES	19	19	19
NS 50781 & 1	19	19	19
NS 50781 & 1	19	19	19

Lt Sta 216+00 to Sta 222+00
Const 4" Perforated Pipe
w/11 Perforated Pipe Headwall (0.5' Dia) to C/A Road

Lt Sta 216+50 to Sta 217+00
Const 2" B. S. Pipe
(76.5' Yd Siding)

Lt Sta 216+00 Const 2" B. S. Pipe
Const 2" B. S. Pipe
(w/11 3" Id. Bit. Pipe)

Lt Sta 217+00 to Sta 220+00
Const 2" B. S. Pipe
(62.5 Tons Ch. Lin. C.I. II)

Lt Sta 219+00 Const 2" B. S. Pipe
Const 2" B. S. Pipe
(w/11 3" Id. Bit. Pipe)

Lt Sta 220+00 to Sta 221+25
Const 2" B. S. Pipe
(130 Tons Ch. Lin. C.I. II)

Sta 216+30=50+00
Gutter Base Line

Const 4" Perforated Pipe

Const 4" Perforated Pipe

Const 4" Perforated Pipe

Const 4" Perforated Pipe

Const 4" Perforated Pipe

Const 4" Perforated Pipe

Const 4" Perforated Pipe

Const 4" Perforated Pipe

571' 14" 22' E

Const 4" Perforated Pipe

Const 4" Perforated Pipe

Const 4" Perforated Pipe

Const 4" Perforated Pipe

Const 4" Perforated Pipe

Const 4" Perforated Pipe

Const 4" Perforated Pipe

Const 4" Perforated Pipe

Const 4" Perforated Pipe

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Const 4" Perforated Pipe

Const 4" Perforated Pipe

Const 4" Perforated Pipe

Const 4" Perforated Pipe

Const 4" Perforated Pipe

Const 4" Perforated Pipe

PLAN STA 216+00 TO STA 222+00

SCALE: 1"=20'

PLAN STA 216+00 TO STA 222+00

LILLIAN BRABANDT

JAMES DANIEL NAPIER

JESSIE MAE BENNETT (W.F.)

Const 2" B. S. Pipe
(100' Sq. Yds Siding)

Const 2" B. S. Pipe
(100' Sq. Yds Siding)

IMMANUEL BAPTIST CHURCH

IMMANUEL BAPTIST CHURCH

BOBBY GENE PATE

DONA PATE (W.F.)

R. L. OWEN

J. ANN OWEN (W.F.)

Const 4" Perforated Pipe

Const 4" Perforated Pipe

Const 4" Perforated Pipe

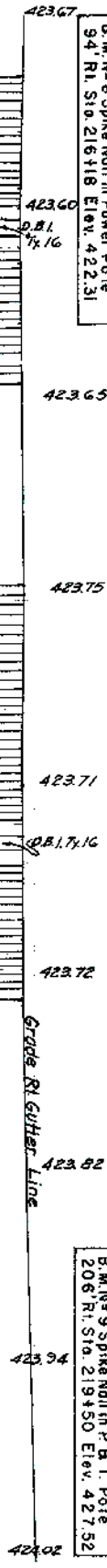
Const 4" Perforated Pipe

Datum

B.M. #8 Spike Nail in Power Pole
94' R.L. Sta. 216+18 Elev. 422.31

B.M. #9 Spike Nail in P.A.T. Pole
208' R.L. Sta. 219+30 Elev. 427.52

DAVISS
RS 5078 (6) M 848 (5)



Lt. Sta. 216+12 Const. Curb Box Inlet T.Y.A
(4-2) W/24" 15" Pipe @ 0.5% R.
(1) S.B.P. Hdwl

Sta. 216+50 Const.
132" 12" x 6" Curb @ 45° Sk. Rt

Rt. Sta. 216+55 Const. Drop Box Inlet
T.Y. 1G (5)

Rt. Sta. 217+05 Const. Curb Box Inlet T.Y.A
(38-2)

Rt. Sta. 216+55 to Rt. Sta. 216+95 Const.
36" 12" Slotted Drain Pipe and 4-12" Pipe
Rt. Sta. 217+50 to Rt. Sta. 218+15 Const.
62" 12" Slotted Drain Pipe and 4-12" Pipe
Rt. Sta. 218+15 to Rt. Sta. 218+55 Const.
36" 12" Slotted Drain Pipe and 4-12" Pipe

Rt. Sta. 218+15 Const. Drop Box Inlet
T.Y. 1G (5)

Rt. Sta. 218+30 Const. D.B.I. T.Y. 1A

Rt. Sta. 218+45 Const. Curb Box Inlet T.Y.A
(38-2)

Rt. Sta. 219+55 Const. D.B.I. T.Y. 4
(See Pipe Sheet - Rt. Sta. 45+20
Ralph Ave.)

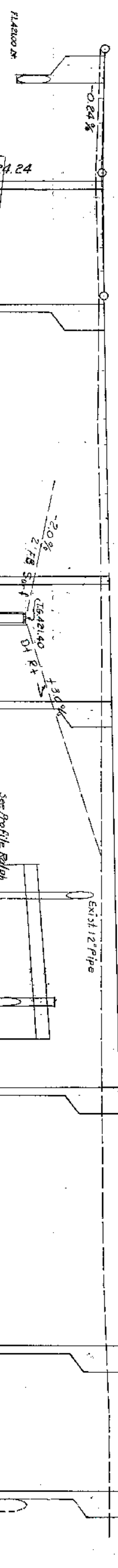
Rt. Sta. 220+21 Const. Curb Box Inlet T.Y.A
(38-2)

Rt. Sta. 221+20 Const. Curb Box Inlet T.Y.A
(24-2)

Sta. 221+87.5 EXIST. Rt. Sta. 221+83 Const. Curb Box Inlet T.Y.A
18" R.C. PIPE (24-2)
140' SK. LT. T.O.
(Plug Pipe)

VC
100' VC
V.C.

+0.80%



424

422

420

418

416

414

412

410

FLOOD EVALUATION
Sta. 216+50
DESIGN FLOOD BASIC FLOOD FLOOD OF RECORD
ELEVATION 417.74 418.46 416.46
DISCHARGE 368 446
FREQUENCY 25 100

SHEET TOTALS
Sta. 216+00 to Sta. 222+00
Comp. DI 2246 Cu Yd
Silt. DI 79 Cu Yd
EMB. Branch 4293 Cu Yd
907 Cu Yd

SCALE 1" = 20' HORIZ.
1" = 2' VERT.

PROFILE STA. 216+00 TO STA. 222+00

34

THOMAS N. THOMPSON

222

223

224

225

226

52

227

228

LI Sta 22175 to LI Sta 225125
Const 285'-4" Perforated Pipe
W/12" 4" Non-Perforated Pipe
& (1) Heedwell (0.74' dia. Vb. Ch.
Conc.)

THOMPSON HOMES INC.

LI Sta 22700 Const Side Walk
Ramp to 3' Condition No. 1

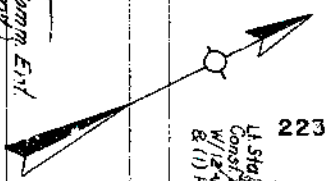
LI Sta 22135 Const 35' Comm Ent
W/108'-54" Vd. C.C. Ent. Pump
(W/108'-54" Vd. B.T. Pump)

LI Sta 225176 Const 16' Comm Ent
W/136'-54" Vd. C.C. Ent. Pump
(See Sheet No. 41)

STA 50+72.99 END
APPR CONST
(See Sheet No. 41)

LI Sta 227100 Const
Side Walk Ramp to 3'
Condition No. 1

THOMPSON HOMES INC.



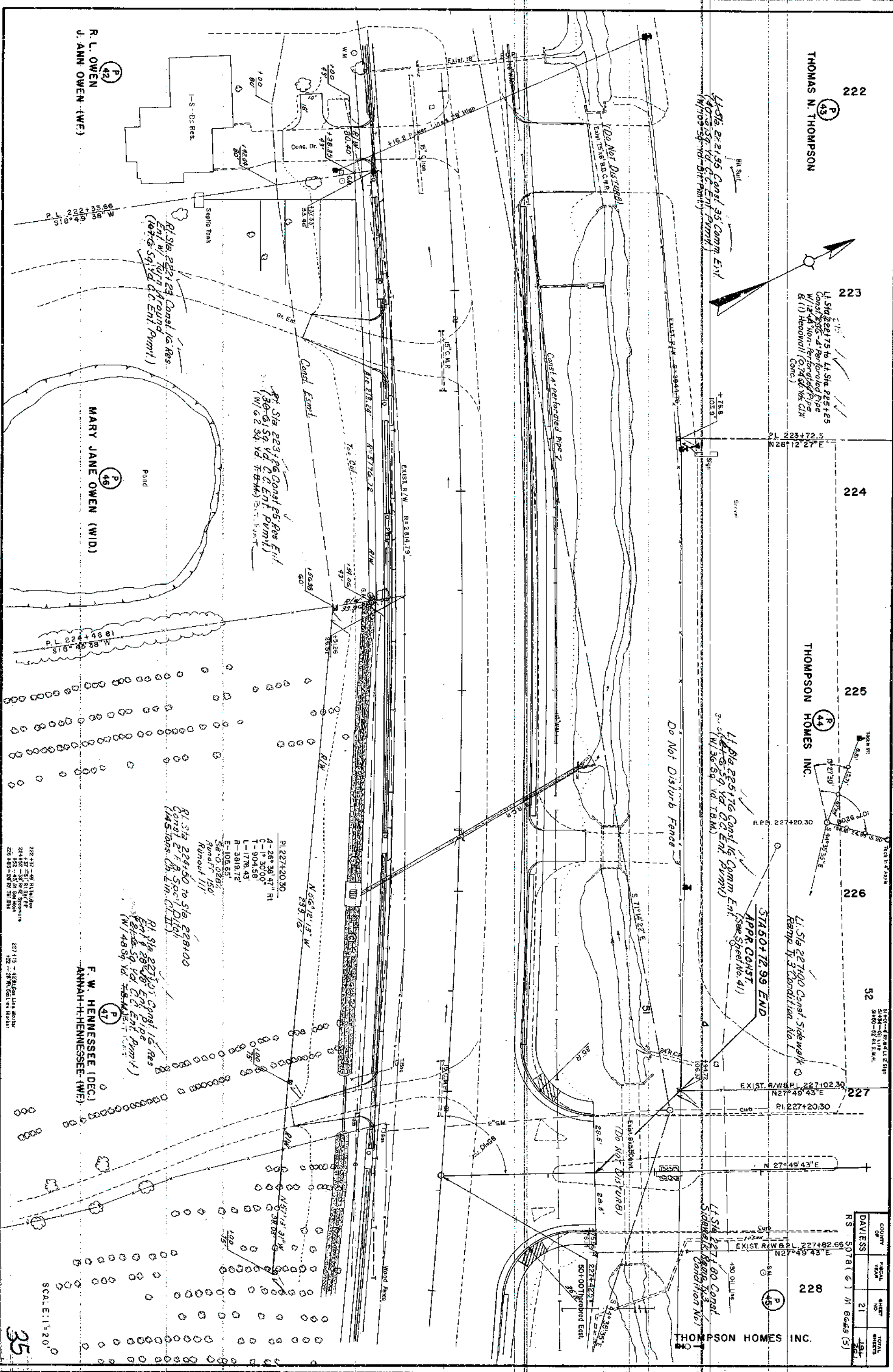
R. L. OWEN
J. ANN OWEN (WF)

MARY JANE OWEN (WID)

F. W. HENNESSEE (DEC.)
ANNAH H. HENNESSEE (WF)

SCALE: 1"=20'

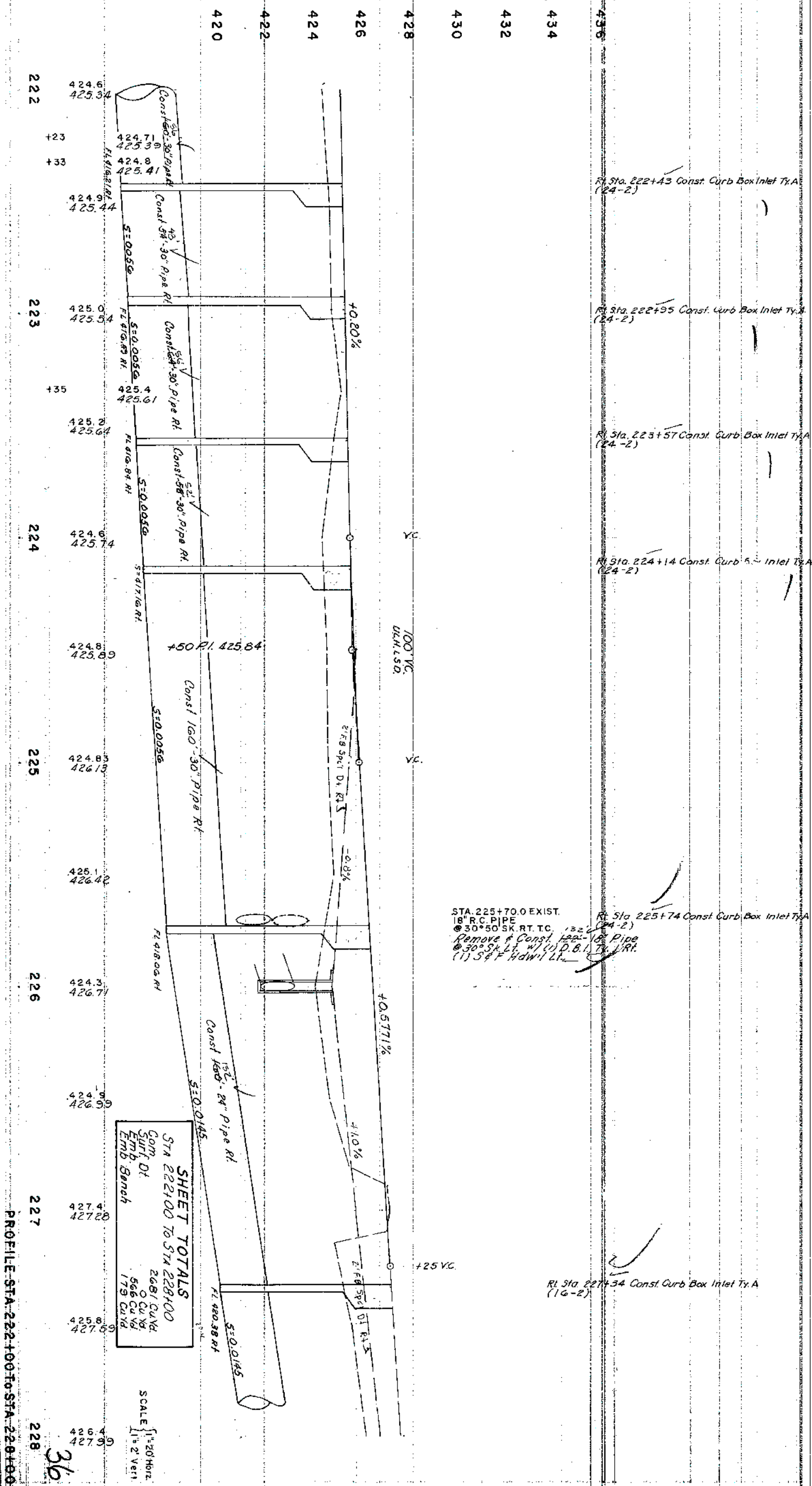
PLAN STA 222+00 TO STA 228+00



COUNTY	TOTAL	SHEET	TOTAL
DAVIESS	21	101	101

RS 5078 (6) M 6048 (5)

DAVIESS 22 ~~104~~
RS. 5078 (6) M8668(5)



228

THOMPSON HOMES INC.

(P 45)

229

230

231

232

233

BILL RICHESON

REFORMED PRESBYTERIAN CHURCH
OF OWENSBORO INC.

(P 49)

234

COUNT OF	ARCIAL TEAM	SHEET NO.	TOTAL SHEETS
DAVISS		23	197
RS 5078(6) & M 866(5)			

11 Sta 229+50 Const. 16' Ent.
8.28' 16' Ent. Pipe Ent.
20' 24' 59' 14' C.C. Ent. Pipe Ent.
(W/ 60' 09' Yd. T.B.M.)

F.W. HENNESSEE

Headwall (C.S.G. Co. 1/4" C.A. Conc.)

14 Sta 229+00 to Sta 231+76
Const. 2' F.B. Surface Ditch
(118' 20" Ch. Line Cl. II)

11 Sta 232+60 Const. 16' Comm. Ent.
8.28' 16' Ent. Pipe Ent.
20' 24' 59' 14' C.C. Ent. Pipe Ent.
(W/ 60' 09' Yd. T.B.M.)

11 Sta 232+50 to Sta 234+00 Const.
2' F.B. Surface Ditch (55' 20" Ch. Line Cl. II)

R=2814.79

EXIST. R/W

R=2794.79

F.W. HENNESSEE (DEC.)
ANNAN H. HENNESSEE (WF)

JOHN M. GRIMES
NANCY GRIMES (WF)

THOMAS N. THOMPSON
CHARLES J. KAMUF

SCALE: 1"=20'

PLAN STA 228+00 TO STA 234+00

7/15/72 EBM No. 2

REFORMED PRESBYTERIAN CHURCH
OF OWENSBORO INC.

L4510, 236+7814 Const.
 Stationed for 31' Street Appr.
 W/16' Ent. to P=55'
 (Prop. St. to be Constructed by Others)
 See Sheet No. 47
 (W/172.59' rd. T.B.M.)

41. Sta. 234+00 to Sta. 236+36
Const. 2 ft. B. Spec'l Ditch
(107 ft. long Ch. Lin. C.I. II)

STA 236+77.65 =
 STA 50+00 WOODLANDS
 TRACE

145°24'25" \checkmark
PROPOSED STREET

P.L. 237+03.40 237
N 45° 24' 25"E

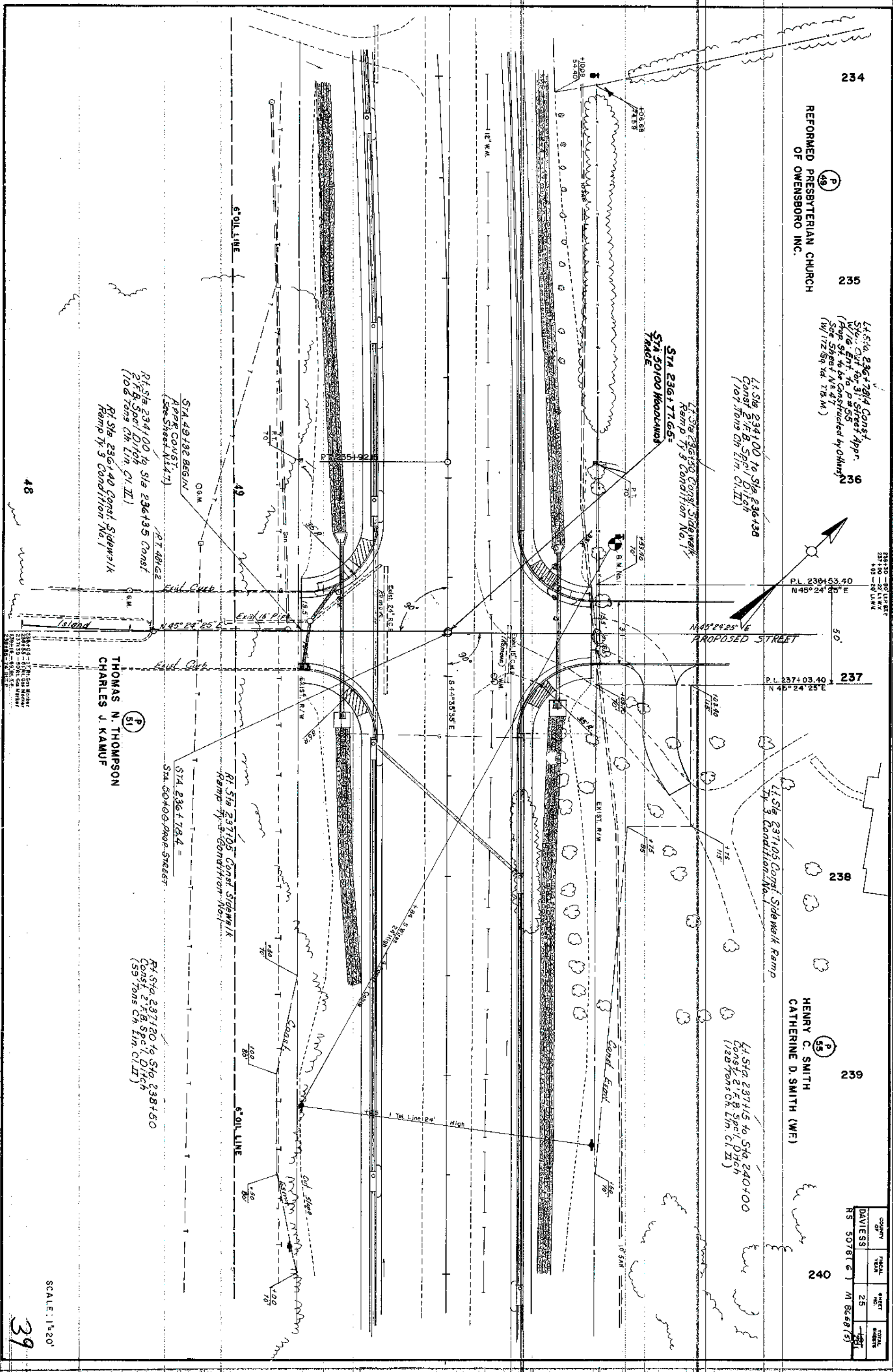
HENRY C. SMITH
CATHERINE D. SMITH (W/F)

240

COUNTRY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
DAVIESS		25	121

RS 5078(6) M 8668(5)

236+30 = 90' L.P. AT. P.
237+00 = 22' L.W.V.
+ 03 = 20' L.W.V.



SCALE: 1"=20'

39

PLAN STA. 234+00 TO STA. 240+00

B.M. N. 11 Spine Nail in P.A.T. Pole
80' Lt. Sta. 236+30 Elev. 451.11

DAVISS 26 497
R3 5078(6) M 868(5)

Datum

460

458

456

454

452

450

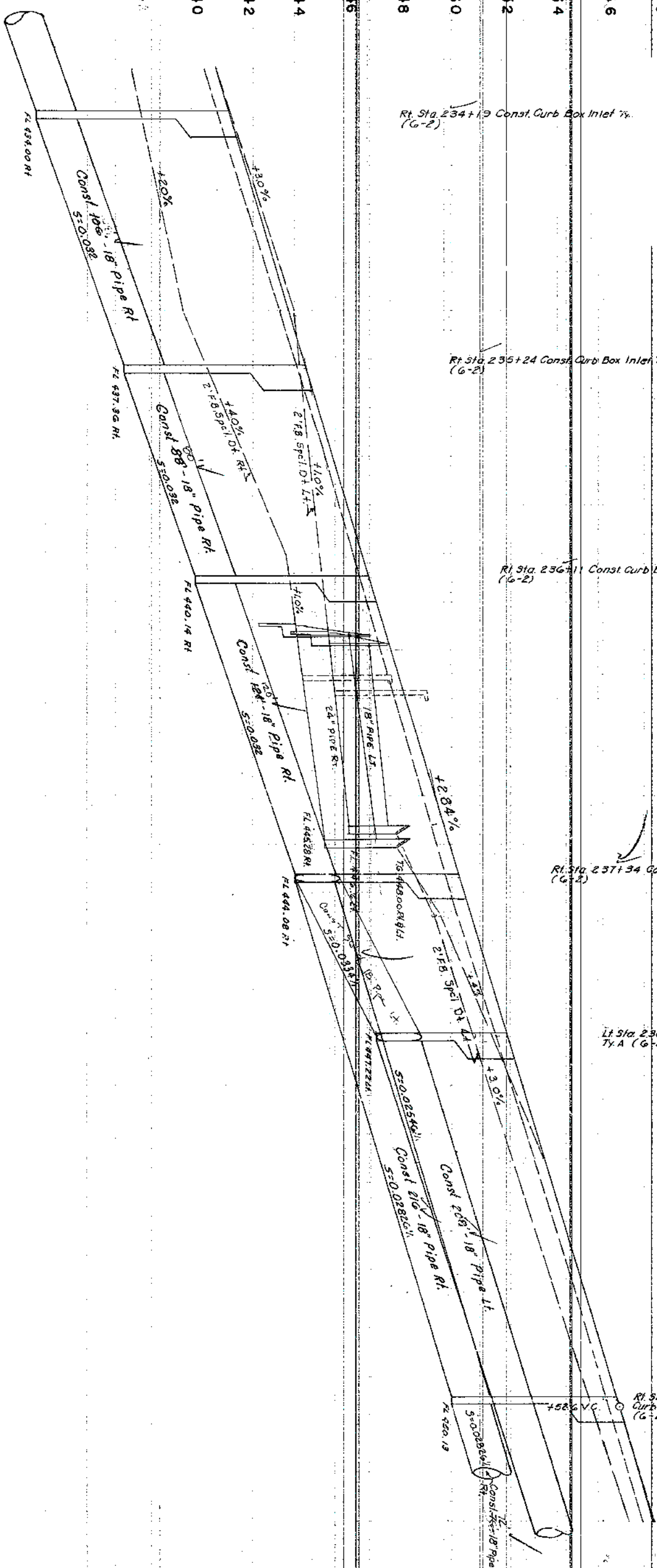
448

446

444

442

440



Lt Sta. 235+00 Const. Curb Box Inlet Ty A (G-2) w/ 34\" 18\" pipe

Rt Sta. 237+34 Const Curb Box Inlet Ty A (G-2)

Rt Sta. 235+24 Const. Curb Box Inlet Ty A (G-2)

Rt Sta. 234+19 Const. Curb Box Inlet Ty (G-2)

SHEET TOTALS
Sta 234+00 to Sta 240+00
Comp. 2677 Cu Yd
Surf. DI 0 Cu Yd
EMB. Bench 1029 Cu Yd
0 Cu Yd

SCALE { 1\" 20' Horiz
1\" 2' Vert

234	440.47 440.94	235	443.47 443.78	236	446.28 446.62	237	448.98 449.46	238	451.88 452.30	239	454.78 455.14
	441.89 442.36		444.9 445.20		447.6 448.04		450.37 450.88		453.38 453.72		456.13 456.56

PROFILE STA. 234+00 TO STA. 240+00

240

COUNTY	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
DAVIES	27	42	100
RS 5078 (6)	M 8668 (6)		

HENRY C. SMITH
CATHERINE D. SMITH

Lt. Sta. 240100 to Sta. 240150
Const. 2" F.B. Spec. Ditch
(23 ft. long ch. lim. cl. II)

WILLIAM E. PURDY
JOLENE PURDY (WF)

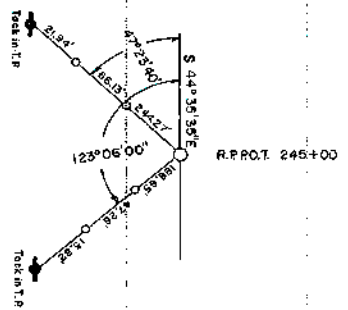
Lt. Sta. 241100 to Sta. 241150
Const. 2" F.B. Spec. Ditch
(23 ft. long ch. lim. cl. II)

HELEN PURDY (W.D.)

Lt. Sta. 243150 to Sta. 243200
Const. 2" F.B. Spec. Ditch
(148 ft. long)

THOMAS N. THOMPSON
CHARLES J. KAMUF

G. WALLACE THACKER
RACHEL THACKER
GEORGE THACKER



SCALE: 1"=20'

41

PLAN STA. 240+00 TO STA. 246+00

7-23-53 FORM NO. 1

B.M. N°12 R.R. Spike in Power Pole
121 Rt. Sta. 242+22 Elev. 467.92

DAVISS 28 197
RS 5078 (6) M 8668 (5)

Datum

470

468

466

464

462

460

458

456

454

452

450

Lt. Sta. 240+07 Const. Curb Box Inlet TxA
(G-2)

Rt. Sta. 240+25 Const. Curb Box Inlet TxA
(G-2)

Rt. Sta. 241+00 Const. Curb Box Inlet TxA
(G-2)

Rt. Sta. 241+75 Const. Curb Box Inlet TxA
(G-2)

Lt. Sta. 242+14 Const. Curb Box Inlet TxA
(G-2)

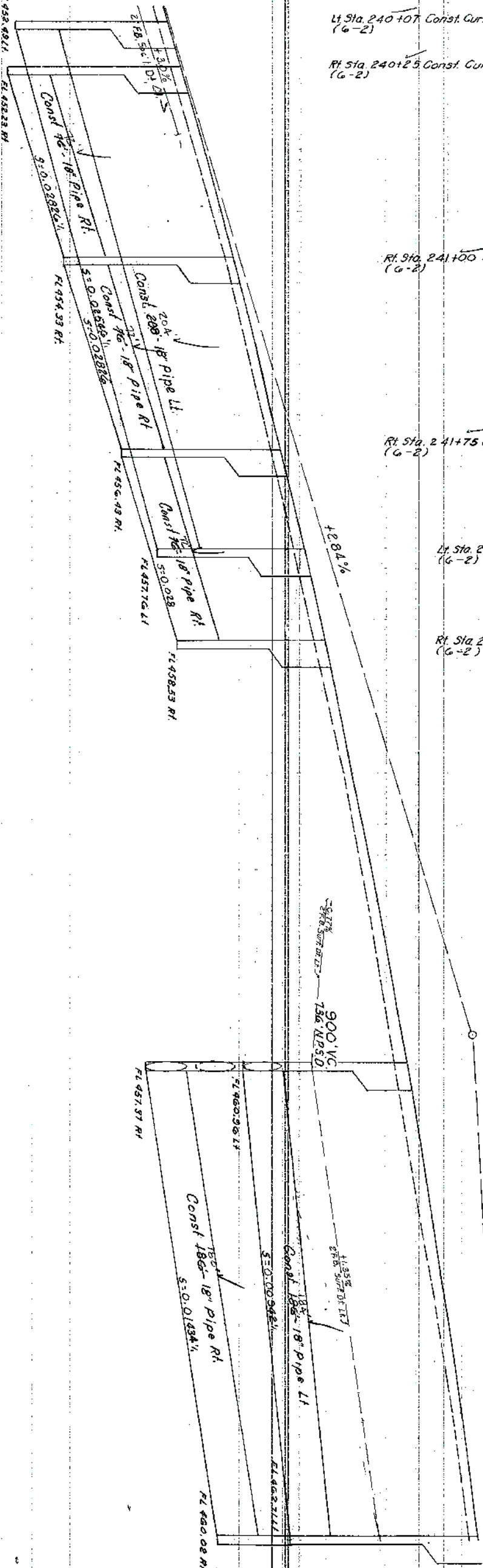
Rt. Sta. 242+50 Const. Curb Box Inlet TxA
(G-2)

402.60 P.I. 46941
STA 244+15 EXIST
18" R.C. PIPE 10' O.P.B.
(Extend to Rt. W/O D.B.I. Ty. 1 Lt.
& 11 S.A. H.W.I. Rt.)
Lt. Sta. 244+15 Const. Curb Box Inlet TxA
(G-2)
Rt. Sta. 244+15 Const. Curb Box Inlet TxA
(G-2)

+0.52%

Lt. Sta. 245+20
Rt. Sta. 245+15 R.P.C. (ADD ON)

Lt. Sta. 246+00 Const. Curb Box
Inlet TxA (G-2)
Rt. Sta. 246+00 Const. Curb Box
Inlet TxA (G-2)



SHEET TOTALS
STA 240+00 TO STA 246+00
Comp. DI
Surf. DI
Emb. Bench
921 Cu Yd.
36 Cu Yd.
2715 Cu Yd.
312 Cu Yd.

SCALE 1" = 20' HORIZ.
1" = 2' VERT.

PROFILE STA 240+00 TO STA 246+00

240	457.58 457.95	241	460.24 460.54	242	462.37 462.71	243	464.62 464.94	244	466.33 466.76	245	467.93 468.31	246	469.24 469.67
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42

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
DAVIESS		29	127
RS 5078 (6) M 8668 (5)			

246
247
248
249
250
251
252

HELEN PURDY (WID.)

ROBERT M. PURDY

JOHN PURDY

1-5 Sta. 246+00 to Sta. 247+50
Const. 1-5' B. Surf. Ditch
(61.5' Yd. 50d)

1-5 Sta. 249+00 to Sta. 250+00
Const. 1-5' B. Surf. Ditch
(61.5' Yd. 50d)

Sta. 247+50 to Sta. 248+50
Mill and Texture EXIST. P.M.
(Estimated 15 tons)

G. WALLACE THACKER
RACHEL THACKER
GEORGE THACKER

1-5 Sta. 251+00 to Sta. 252+00
Const. 1-5' B. Surf. Ditch
(61.5' Yd. 50d)

SCALE: 1"=20'

43

PLAN STA. 246+00 TO STA. 252+00

Datum

DAVIES 30
RS 5078(6) M 866(5)

480

478

476

474

472

470

468

466

464

462

460

246

247

248

249

250

251

252

469.24
469.61

469.88
470.17
+60 469.99
470.27

470.48
470.66

470.96
471.08

471.38
471.44

471.63
471.74

471.87
472.00

472.02
472.26
+58 472.04
472.30

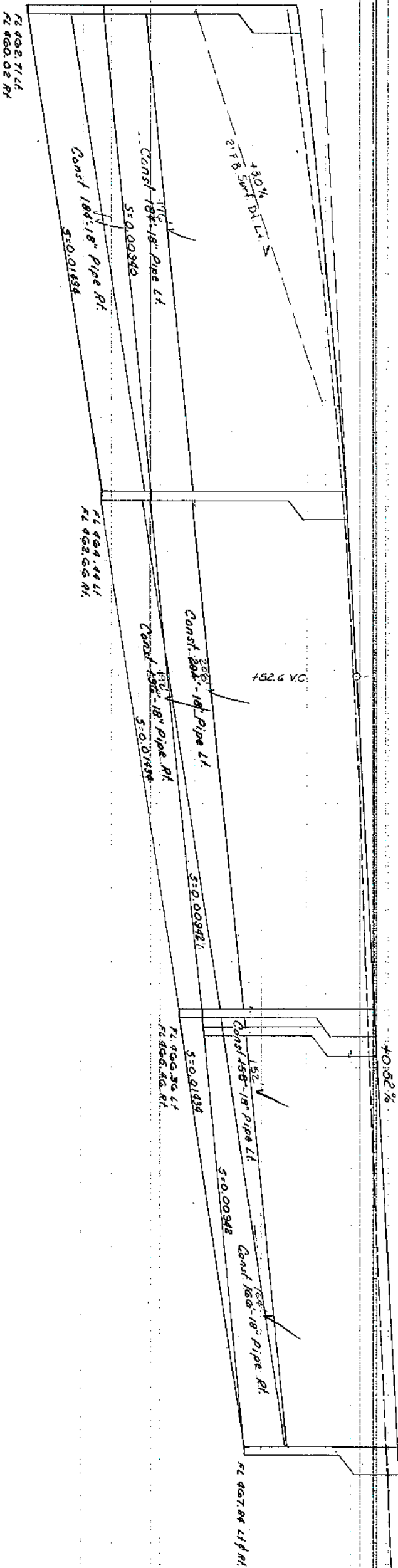
472.24
472.52

472.44
472.78

472.63
473.02

472.88
473.30
+60 472.94
473.35

473.03
473.56



Lt Sta 247+84 Const Curb Box Inlet Ty A (G-2)
Rt Sta 247+84 Const Curb Box Inlet Ty A (G-2)

Rt Sta 249+79 Const Curb Box Inlet Ty A (G-2)
Lt Sta 249+79 Const Curb Box Inlet Ty A (G-2)

Lt Sta 251+45 Const Curb Box Inlet Ty A (G-2)
Rt Sta 251+45 Const Curb Box Inlet Ty A (G-2)

SHEET TOTALS
Sta 246+00 To Sta 252+00
Comp 66.6 C.A.V.
Surf DI 8.74 C.A.V.
Emb Bench 0 C.A.V.

SCALE 1"=20' Horiz
1"=2' Vert

44

PROFILE STA 246+00 TO STA 252+00

252

JOHN PURDY

253

254

51

255

EASTGATE DEVELOPMENT CO.

256

257

258

COUNTY OF	TOWN OF	SHEET NO.	TOTAL SHEETS
DAVIESS		31	42
RS 5078 (6) M 6468 (5)			

PL 253+29.30
N 38° 06' 26" E

Lt Sta 253+25 to Sta 254+75 Const
2" F.B. Surf Ditch (100 Sq Yds 50d)

Lt Sta 254+62 Const
Sidewalk Ramp Ty 3
Condition No. 1

Lt Sta 255+42 Const Sidewalk
Ramp Ty 3 Condition No. 1

Lt Sta 255+50 to Sta 258+00 Const
2" F.B. Surf Ditch (167 Sq Yds 88d)

STA 255+12.90 =
GATE WAY STA. 50+00

Const. Easmt.

Const. Easmt.

Const. Easmt.

Const. Easmt.

1/4" Sta 252+25 to R. Sta 255+75 Const
3" F.B. 4" Perforated Pipe & 4" Non-Perforated Pipe
(0.63 100 Yds. Cl. A Const. 24)

G. WALLACE THACKER
RACHEL THACKER
GEORGE THACKER

SCALE: 1"=20'

B.M. No. 13 Spike Nail in Telephone Pole
163' Rt. Sta. 252+10 Elev. 465.41

Datum

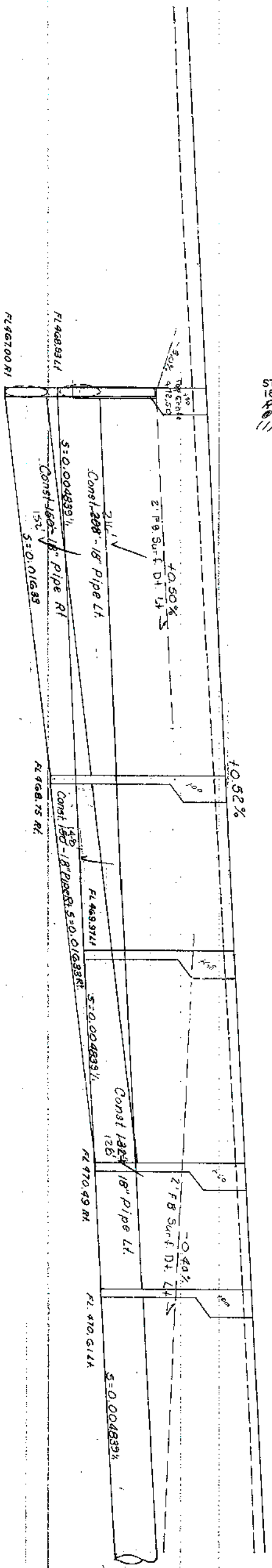
DAVISS 32
RS 5078 (6) M 8668 (5)

482
484
486
488
490

470
472
474
476
478
480

252
253
254
255
256
257
258

473.05
473.56
473.26
473.82
473.56
474.08
473.83
474.34
474.12
474.60
474.39
474.86
474.70
475.12
474.81
475.22
475.00
475.38
475.29
475.64
475.57
475.90
475.56
476.16
476.11
476.42
476.28
476.68



STA. 253+49.5 EXIST.
18" R.C. PIPE @ 0% SK.
Remove & Const. 140'-24" Pipe
@ 0% SK. (1) D.B. 1/4" L.A.
(1) S.F. Hdwr. Rt.

Lt. Sta. 253+50 Const. Curb Box Inlet Ty. A
(15'-2)
Rt. Sta. 253+50 Const. Curb Box Inlet Ty. A
(15'-2)

Rt. Sta. 255+00 Const. Curb Box Inlet Ty. A
(6'-2)

Lt. Sta. 255+60 Const. Curb Box Inlet Ty. A
(6'-2)

Rt. Sta. 256+50 Const. Curb Box Inlet Ty. A
(6'-2)

Lt. Sta. 256+99 Const. Curb Box Inlet Ty. A
(6'-2)

SHEET TOTALS
STA 252+00 TO STA 258+00
Comp. 672 Cu Yd
Surf. Dt. 70 Cu Yd
Emb. 1648 Cu Yd
Bench. 183 Cu Yd

SCALE { 1" = 20' Hor
1" = 2' Ver

46

PROFILE STA. 252+00 TO STA. 258+00

258

EASTGATE DEVELOPMENT CO.

259

260

261

262

263

264

258-264 - 45' x 100'

258-264 - 45' x 100'

COUNTY	PIECES	SHEET	TOTAL
DAVIESS	33	147	147

RS 5078 (6) M 8648 (5)

J. M. BUNCH
JONELL BUNCH (W/F)

2-S Blk Bldg

1.5" Sta 260+50 to Sta 262+75 Const. 304" A Perforated Pipe
8.12" A Perforated Pipe W/ (1) Perforated Pipe Headwall
(0.38' x 1.0' C/A Conc)

1.5" Sta 258+00 to Sta 259+00 Const.
2.5" B Surf Ditch (0.38' x 1.0' C/A Conc)

P 62

L.F. 260+11.04
N 46° 24' 25" E

Const. Limit.

7th. P.W.

EXIST. S.W.

108' 7" W/195'

EXIST.

Const. & Perforated Pipe 2

Const. Limit. 1.5"

50.25'

50.25'

50.25'

50.25'

50.25'

50.25'

50.25'

50.25'

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50.25'

50.25'

50.25'

G. WALLACE THACKER
RACHEL THACKER
GEORGE THACKER

P 57

Rt. Sta. 259+53 Const.
1.5" Res. Ent. & 2.5" B Surf Ditch
Pipe (0.38' x 1.0' C/A Conc)

R.P.T.S. 258+41.88

1/2-S-Suico
Res.

Fl. Garage

JENNIE V. GOOD (DEC.)
THOMAS LOY TOON (SON)

P 63

P 64

JAMES L. WILKINS
LETTIE LOU WILKINS (W/F)

P 65

SUE GAYLE F. JOHNSON

P 66

MORRIS L. BAIRD (W/D.)

P 68

SCALE: 1"=20'

47

PLAN STA. 258+00 TO STA. 264+00

Datum

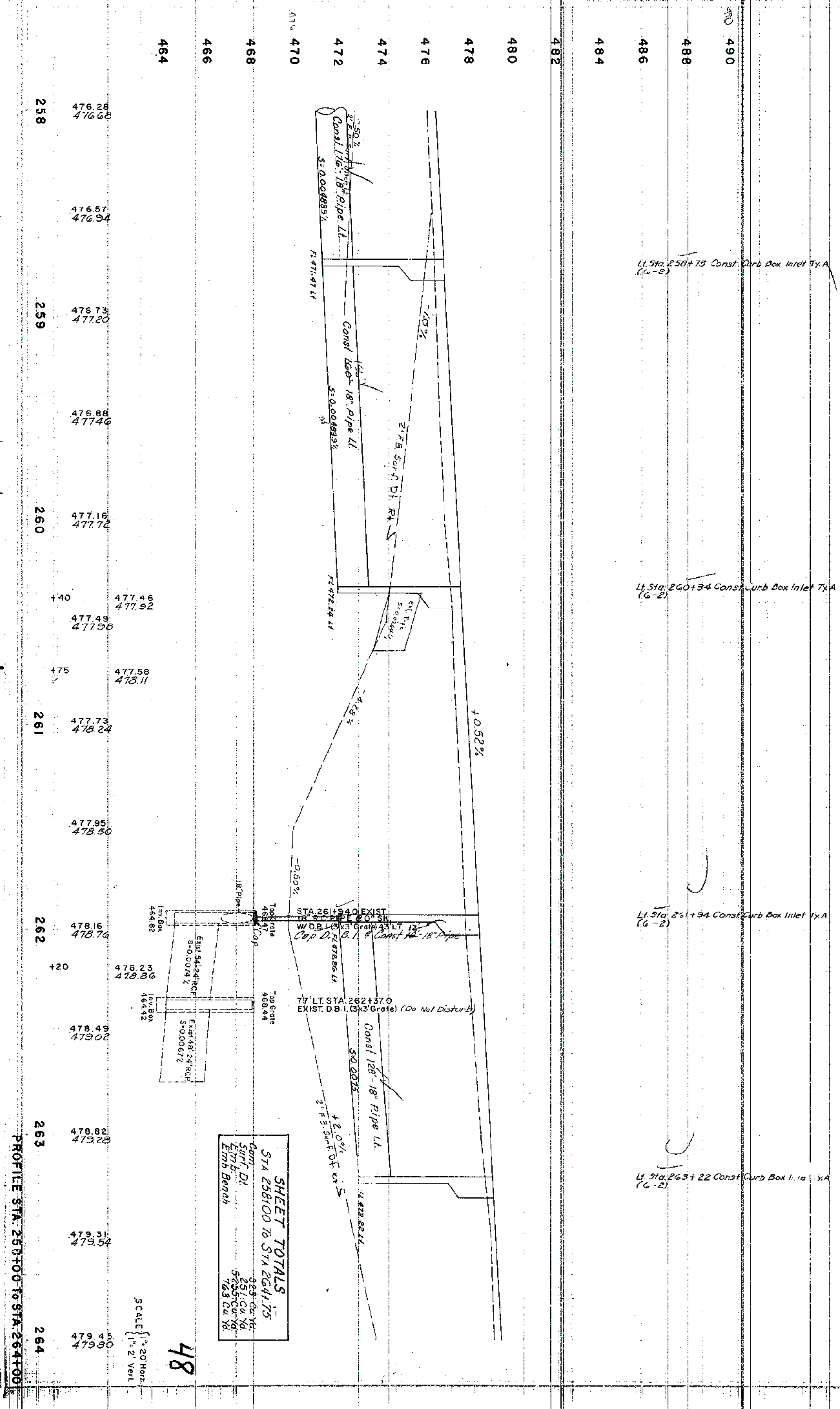
DAVISS 34 101
RS 5078 (6) M 8668 (5)

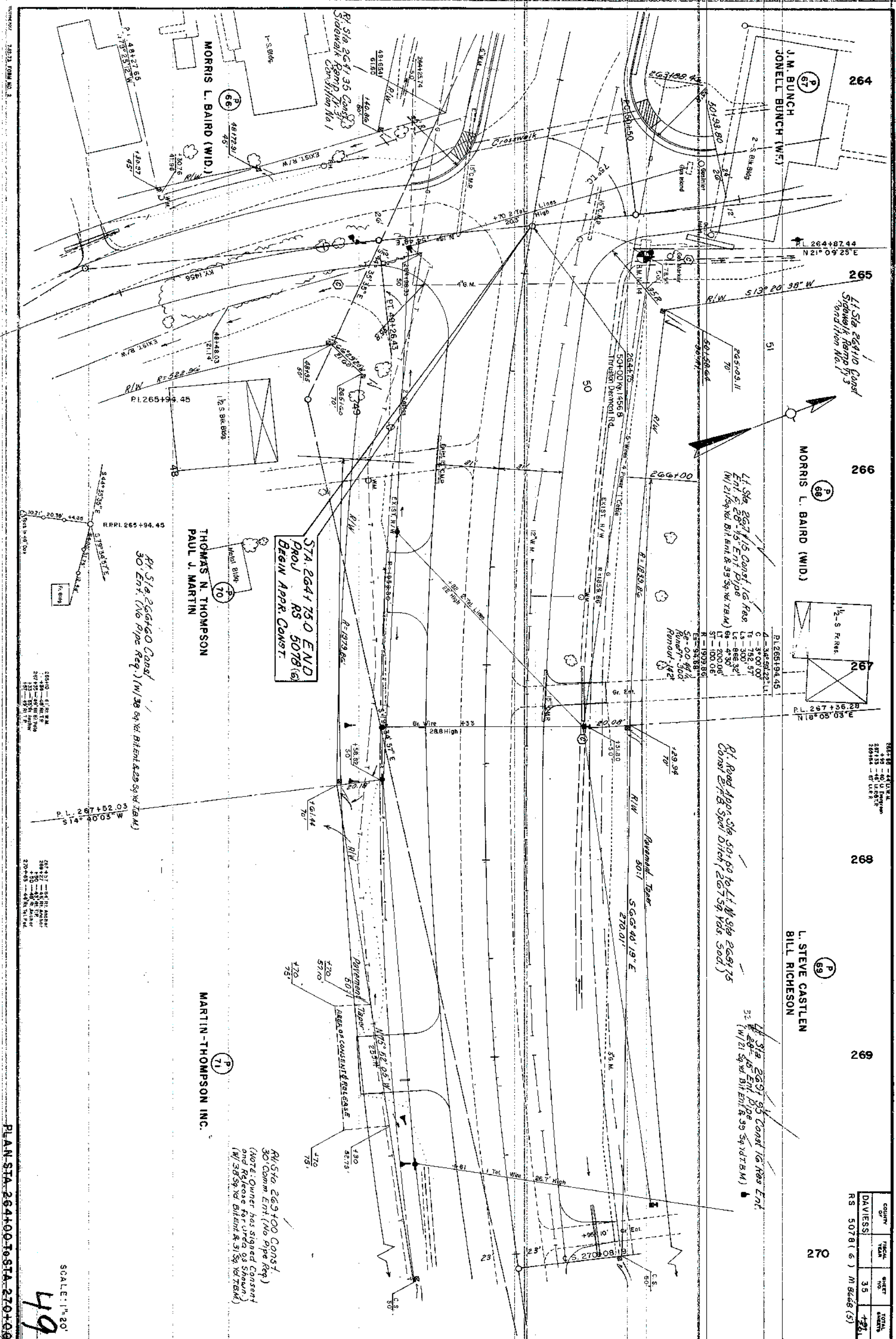
Lt Sta. 258+75 Const. Curb Box Inlet Ty. A
(6-2)

Lt Sta. 260+34 Const. Curb Box Inlet Ty. A
(6-2)

Lt Sta. 261+94 Const. Curb Box Inlet Ty. A
(6-2)

Lt Sta. 263+22 Const. Curb Box Inlet Ty. A
(6-2)





COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
DAVEISS		35	426

BM 14 Wing Spike in P. 1 Pole
St. Lt. Sta. 264+78 Elev. 480.01

Datum

DAVISS 36 1st
RS 5078(6) M 666(5)

490

488

486

484

482

480

478

476

474

472

470

STA 264+750 END
PROJ. RS 5078(6)
BEGIN APPR CONST

+0.52%

+0.50%

Spd. 2' FB D+ 14.5

+68.25 V.C.

HL PT. 268+92.11
Elev. 482.03

SCALE { 1" = 20' Horiz
1" = 2' Vert

50'

479.45
479.80

479.79
480.06

480.00
480.32

480.25
480.58

480.56
480.84

480.80
481.10

480.95
481.36

+17 481.02
481.44

481.13
481.62

481.41
481.85

481.66
481.99

+81.83
482.03

481.73
481.96

481.56
481.79

264

265

266

267

268

269

270

PROFILE STA. 264+00 To STA. 270+00

WILLIAM L. JONES
CHARLOTTE JONES (WF)

4. Sta 27540 Const 16' Res
Ent 28' 45" Ent. Pipe
(W/ 21 59.4d. Bit Ent. 8 1859.4d T.B.M.)

COUNTRY OF	FISCAL YEAR	SHEET NO	TOTAL SHEETS
DAVIESS		37	201

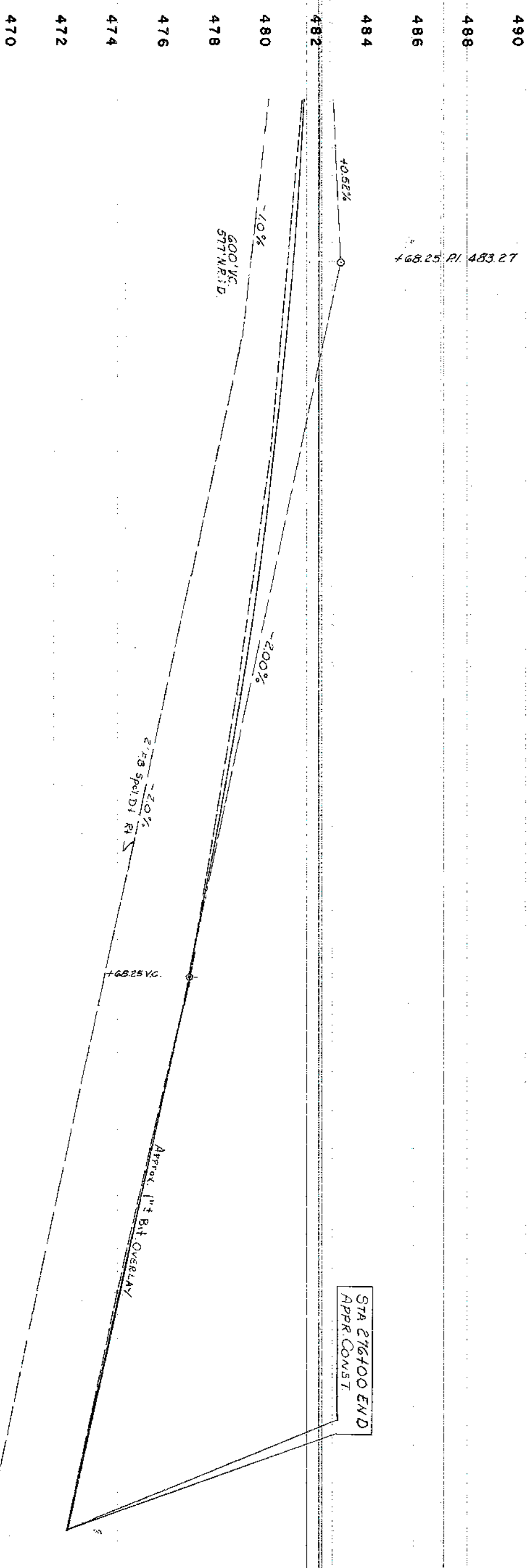
RS 5078(6) M8668(5)



8 MAN'S 50' x 100' in P.A.T. Pole
338 Rt 316.2715 Elev. 474.12

Datum

DAVLESS 38 497
RS 5078 (6)
M 8668 (5)



SHEET TOTALS
STA 264+75 To STA 276+00
Comp. Dt. 2301 Cu Yd.
Emb. Bench 926 Cu Yd.
O Cu Yd.

SCALE { 1" = 20' Hor
1" = 2' Ver

52

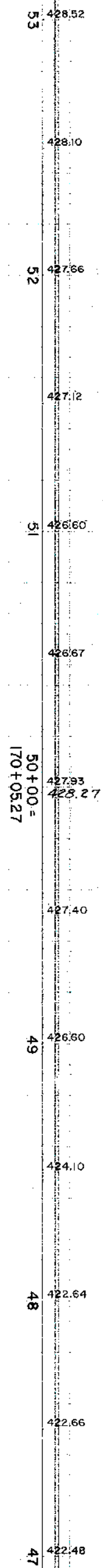
PROFILE STA: 270+00 To STA: 276+00

Datum
430
428
426
424
422
420

WIMSATT COURT
Rt. B. Lt. Sta. 170+05.27
0° 09' Sk. Rt.

Sta. 50+62 Ex.
16" R.C. Pipe @ 40' Sk. Rt.
Const. (U) 5' P. Hdwl. Lt.
Sta. 50+55 Const. 8" x 12"
Pipe w/ (U) 5' P. Hdwl.
@ 20° Sk. Rt.
+33.0 - 427.58
+33.0 - 427.58
Sta. 49+45 Const. 8" x 12"
Pipe w/ (U) 5' P.
Hdwl. @ 22° Sk. Lt.
Sta. 49+34 Ex.
16" R.C. Pipe @ 40' Sk.
Const. (U) 5' P. Hdwl. Lt.

DAVISS
M. 8668 (S)
RS 5078 (C)
39
+91'
201
SCALE { 1" = 20' Horiz.
1" = 2' Vert.

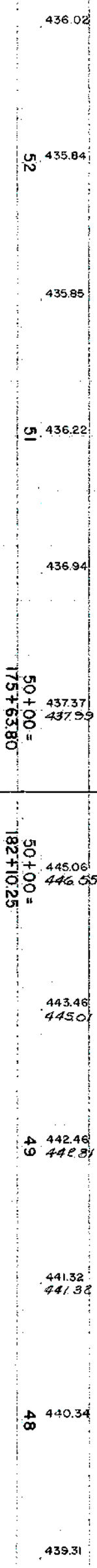


Datum
440
438
436
434

SCHOOL ENTRANCE
Lt. Sta. 175+63.80
1° 04' Sk. Rt.

ALVEY PARK DRIVE WEST
Rt. Sta. 182+10.25
6° 28' Sk. Lt.

Note: Quantities Included in Mainline



APPR. PROFILES - WIMSATT CT., SCHOOL ENT., ALVEY PK. W

53

EDWARD L. RICHARDS
LORETTA M. RICHARDS (WF)
BILLY JOE MILES
NANCY MILES (WF)

202

PAUL I. MCCARTY
MARION J. MCCARTY (WF)

201

JOE A. HARPER
WANDA HARPER (WF)

23

27

CILITAN BRABANDT

49

48

47

46

COUNTRY OF	RISCAL YEAR	SHEET NO.	TOTAL SHEETS
DAWESS		40	40

Rt. Sta. 46+81 Const. 20' Ent. A-34-15" Ent. Pipe
(38 Sq. Yds. Bit Ent. Pump)

13-Br, Res

STA. 46+50 BEGIN
APPR. CONST.

L7. Std. 47 + 18 Const. 20" Conc. Ent. 8-56-15" Ent. Pipe
(~32-56" Yds. Conc. Ent. Pymt.)

FAIRVIEW DR. (KY 3143) RT. STA. 201+93.5

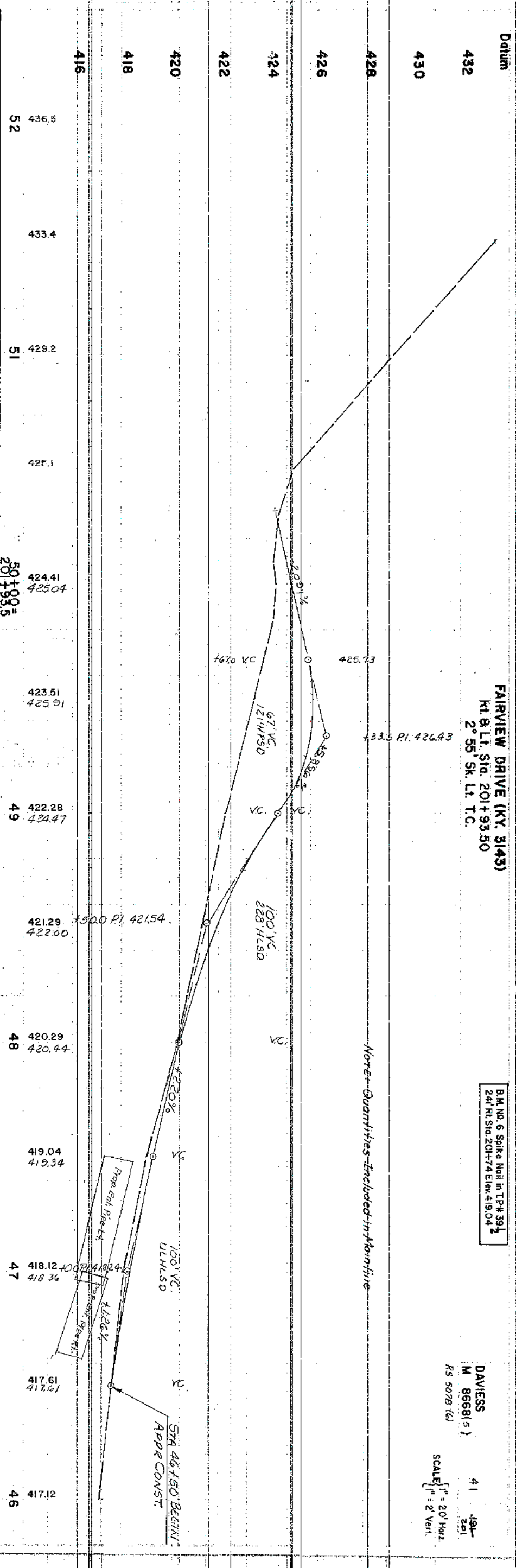


FAIRVIEW DRIVE (KY. 3143)
Rt Sta. 201+93.50
2° 55' Sk. Lt. T.C.

B.M. NO. 6 Spike Nail in TP# 39
24" Rt. Sta. 201+74 Elev. 419.04

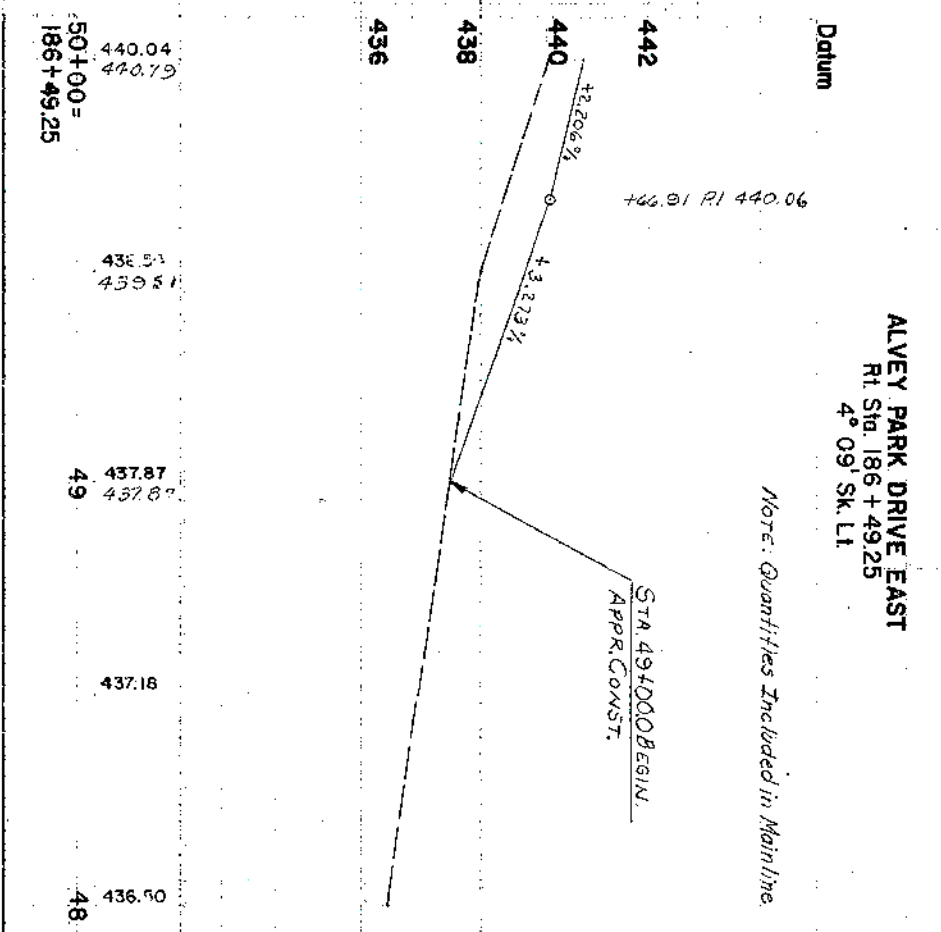
DAVISS
M 866815
RS 5078 (6)
41 19-
25-
SCALE 1" = 20' Horiz.
1" = 2' Vert.

Note: Quantities Included in Mainline



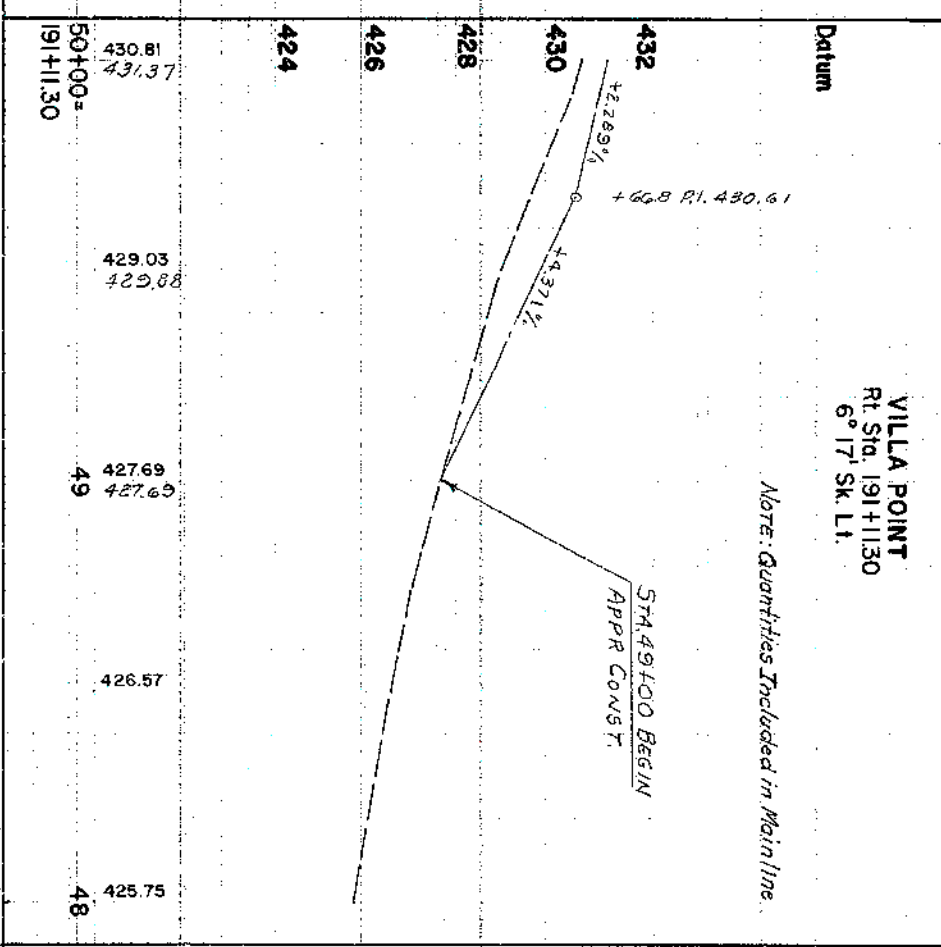
ALVEY PARK DRIVE EAST
Rt Sta. 186+49.25
4° 09' Sk. Lt.

Note: Quantities Included in Mainline



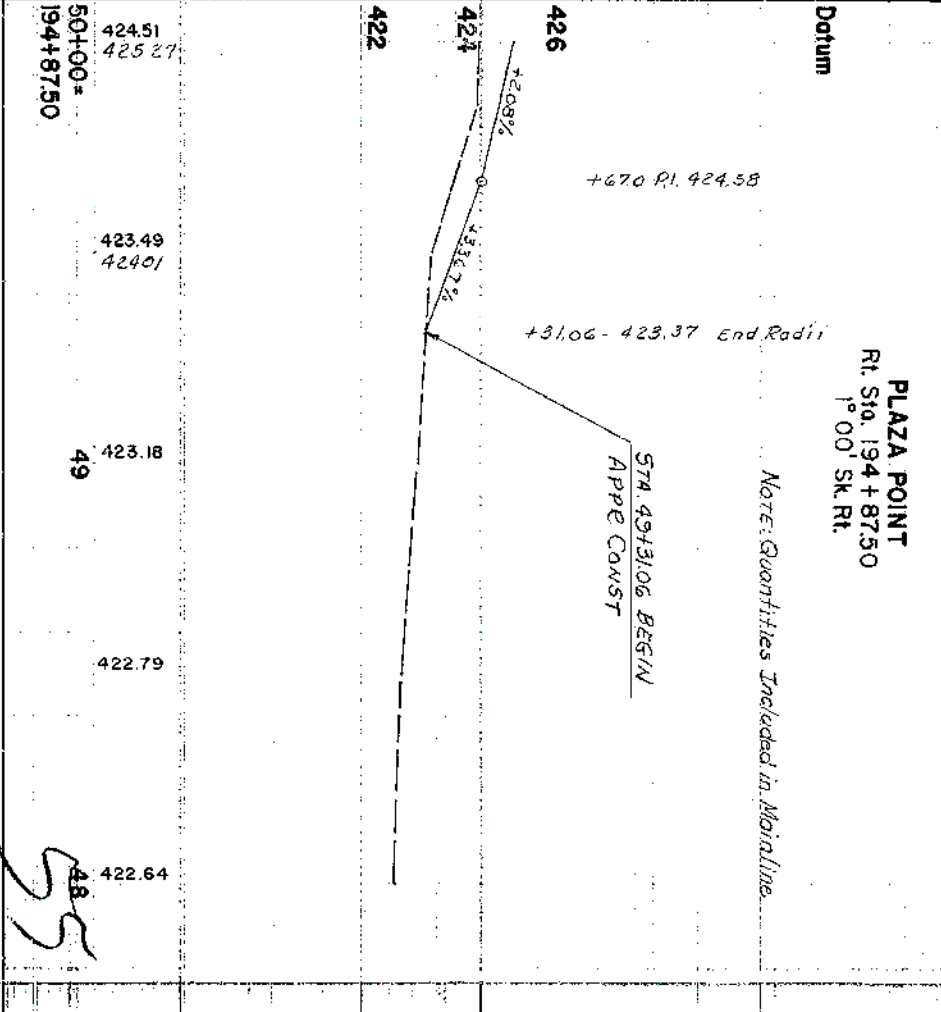
VILLA POINT
Rt Sta. 191+11.30
6° 17' Sk. Lt.

Note: Quantities Included in Mainline



PLAZA POINT
Rt Sta. 194+87.50
1° 00' Sk. Rt.

Note: Quantities Included in Mainline



APPR. PROFILES - FAIRVIEW DR. (KY. 3143), ALVEY PARK DR. E, VILLA PT., PLAZA PT.

55

51

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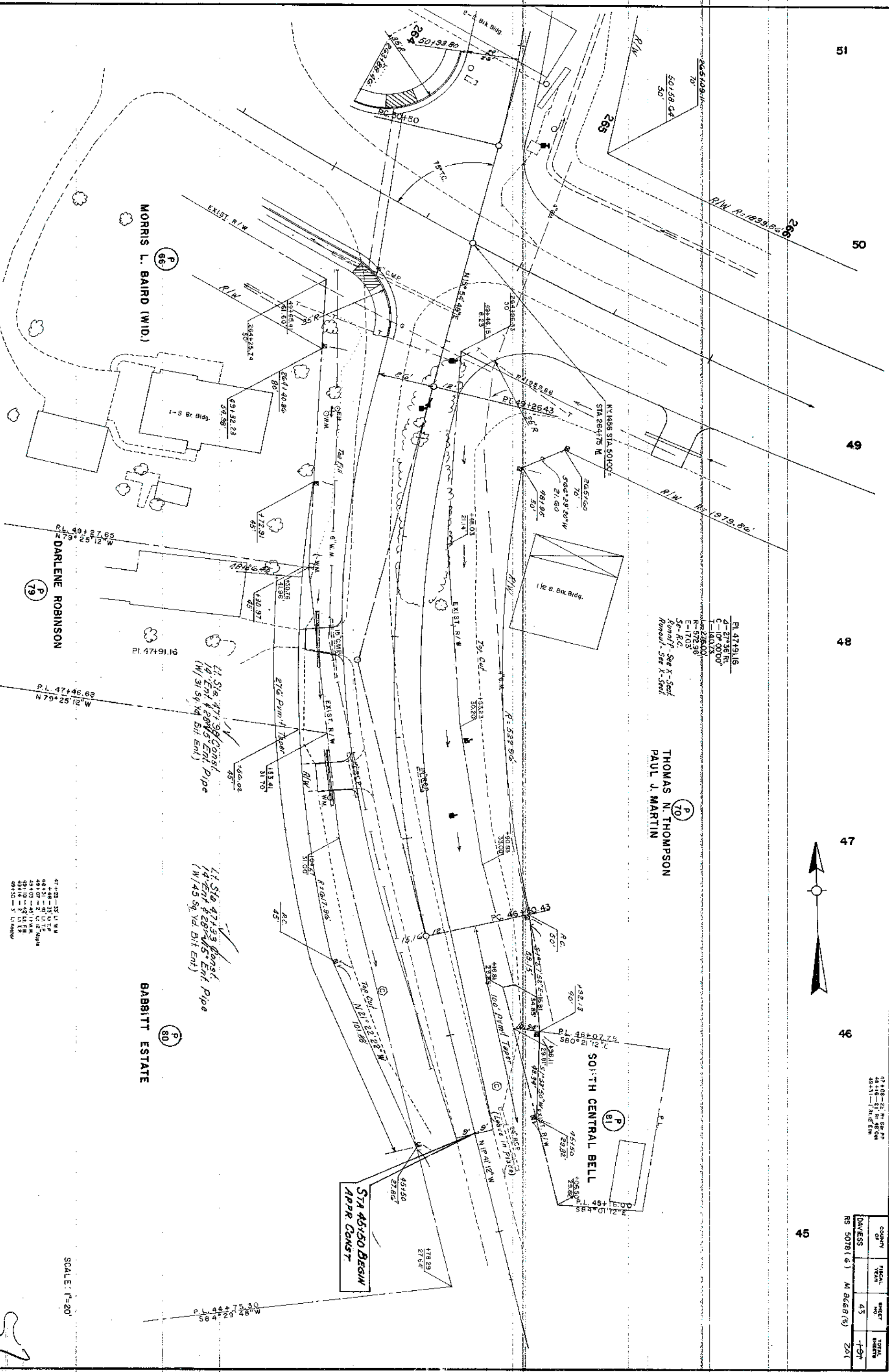


47+08.23, R/L SEE PP
48+11.11, R/L SEE PP
49+11.11, R/L SEE PP

COUNTY	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
DAVIESS	43	43	49
RS 50781(6) M 2668(5) 251			

PL 47491.16
A-27°35'36" R
C-10°00'00" L
T-140.73
R-275.00
E-170.03
S-170.03
Runoff - See X-Section
Runoff - See X-Section

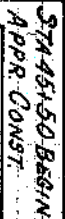
THOMAS N. THOMPSON
PAUL J. MARTIN



SCALE: 1"=20'

KY 1456 RD. APPR. RT. STA. 264+75

DAVISS 44 196
RS 5078(2) 201
M 8668(5)



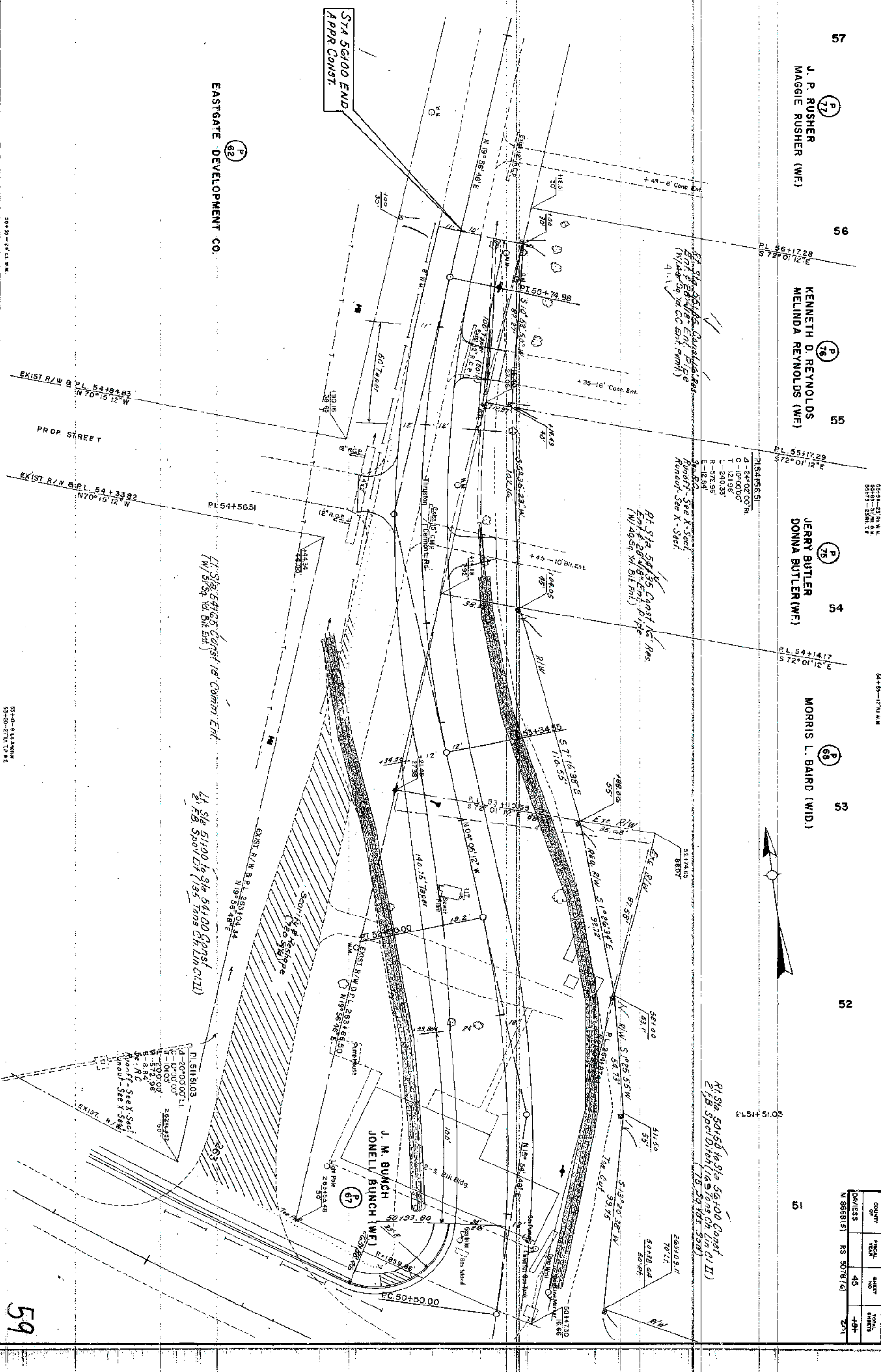
SCALE { 1" = 20' Horiz
1" = 2' Vert.

PROFILE KY. 1456 RD. APPR. RT. STA. 264+75.00

58

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
DAVIESS		45	+9+

M 8658(5) RS 5078(6) 251



Datum

DAVISS
RS 5078 (6)
M 366 (5)

482

480

478

476

474

472

470

468

466

464

462

460

458

456

454

452

450

PROFILE THURSTON DERMONT RD APPR. LT. STA 264+75.00

57 450.57
+43 452.16
452.36
56 453.53
453.54
+35 454.67
454.61
454.92
454.93
55 455.47
455.67
+65 456.23
456.43
456.27
456.82
+35 456.27
457.26
54 457.07
458.53
PI 457.80
458.07
460.88
53 459.77
463.80
462.71
466.80
52 465.31
471.80
470.41
472.79
+23 471.11
474.33
51 475.56

STA 56100 END
APPR. CONST.

SHEET TOTALS
STA 50134.16 TO STA 56100
Comp. D.T.
Surf. D.T.
Emb. Bench
1263 Cu Yd
1705 Cu Yd
0 Cu Yd

SCALE 1"=25'
1"=2'

+75 V.O.

150' V.C.
230' H.S.D.

+25 V.O.

+60 V.C.

+100 P.I. 475.00

120' V.C.
192' H.P.S.

-2.13%

-1.10%

-3.0%

-8.0%

-4.0%

-6.00%

-6.0%

-10%

-10%

Spel 2' FB DIT RT J

Spel 2' FB DIT LT J

Spel 2' FB DIT RT J

Spel 2' FB DIT LT J

GATE WAY
Lt. Sta. 255+12.90
0° Sk.

Datum

WATER WHEEL WAY
Rt. Sta. 271+31.85
2° 09' Sk. Lt. TS.

DAVISS
115 5078(6)
M 8668 (5)

47 49
201
SCALE 1" = 20' Horiz.
1" = 2' Vert.

476

474

472

470

468

466

53
52
51

50+00 =
255+12.90

50+00 =
271+31.85

49

48

+68.0 - End Radii
+33.0 - 474.43

+73.74 Pl. 481.34

+440 - 48008 End Radii

NOTE: Quantities Included in Mainline Approach

Proposed Grades

100' VC

STA 50+680 END
APPR CONST

Sta. 49+60 Const. 62"
18" Pipe @ 0° Sk.
W/ (2) S.B.F. Inlet-Outlet
Boxes

PROPOSED STREET
(To Be Constructed By Others)

WOODLANDS TRACE
Lt. Sta. 236+77.65
0° Sk.

STA 50+680 END
APPR CONST

STA 49+320 BEGIN
APPR CONST

Sta. 50+52 Const. 76"-18" Pipe @ 0° Sk.
W/ (1) C.B.I. Ty. A' Lt. (6-2) H=3.43'
(1) S.B.F. Hdwl. Lt., (1) D.B.I. Ty. I Rt.

Sta. 49+50 Const. 82"-24" Pipe @ 0° Sk.
W/ (1) C.B.I. Ty. A' Lt. (16-3) H=3.16'
(1) S.B.F. Hdwl. Lt., (1) D.B.I. Ty. I Rt.

10' Lt. Sta. 49+35 Exist.
Manhole (Storm Sewer) (Re Const.) & 26'-15" Pipe
@ Sta. 49+25 Exist.
Manhole (San. Sewer)
Rt. Sta. 49+32 Const. Drop Box Inlet Ty. 13(S)
& 28'-15" Pipe

Temporary Tie In

+99 Pl. 44993
(Future)

62' VC
(Future Tie In)

+68.0 - 449.64 End Radii

+33.0 - 449.22

+67.0 - 448.13

35' VC

IN 444.45

FL 442.36

EXIST. 8" R.C.P. SAN. SEWER S=0.0183

EXIST. 15" R.C.P. STORM SEWER S=0.020

458

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50+00 =
236+77.65

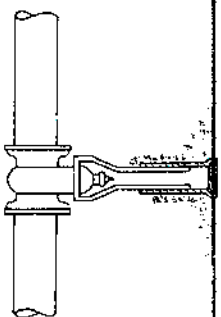
APPR. PROFILES

101

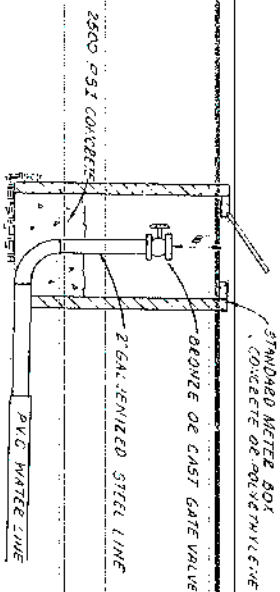
WATER LINE RELOCATION SUMMARY

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
DAVIESS		47a	191

[illegible]



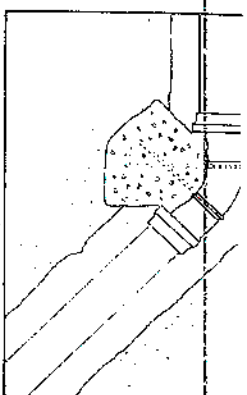
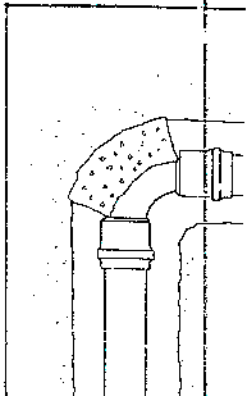
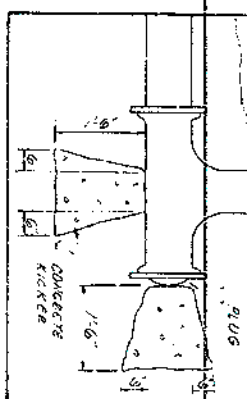
VALVE BOX



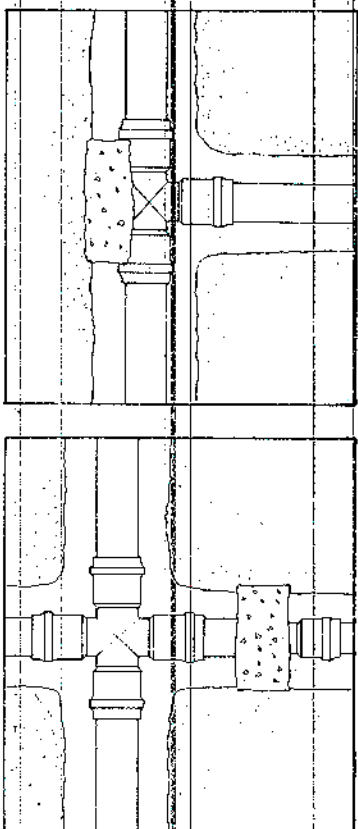
TYPICAL HYDRANT INSTALLATION

PIE HYDRANT 10 MIN. 1-1/2" HYDRANT CONNECTION AND 2-1/2" NOZZLES WITH 1/2" T

INSTALL PUMP NOZZLE TOWARD STREET

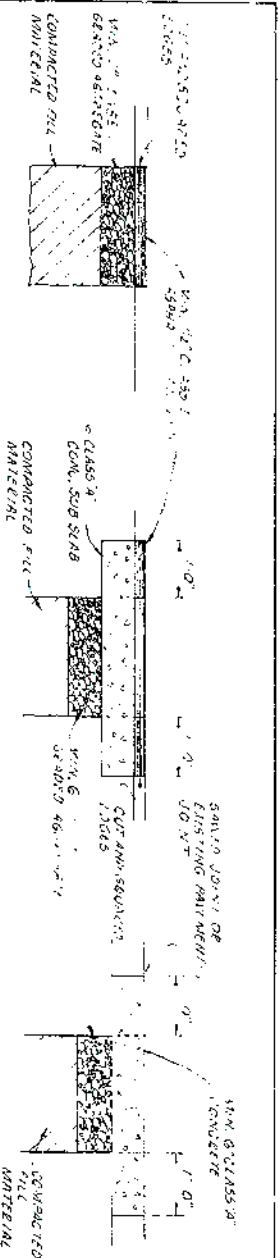


DAVIES CO. 541-470-2491 M 8668(5) 201



THRUST BLOCK DETAILS

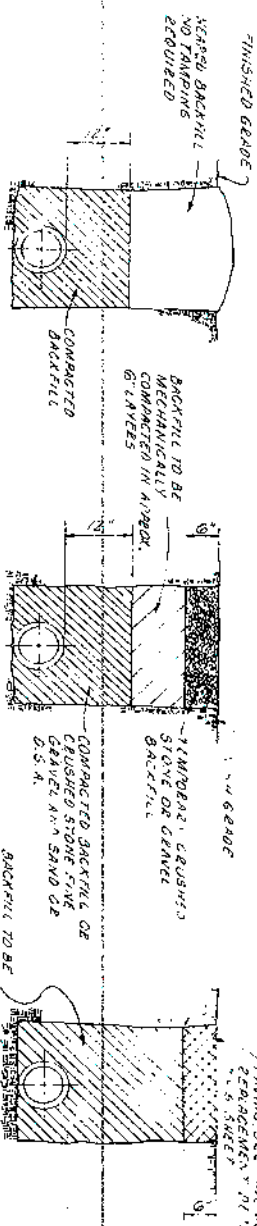
SPECIAL NOTES



LIGHT DUTY BITUMINOUS

HEAVY DUTY BITUMINOUS PAVEMENT REPLACEMENT

CONCRETE

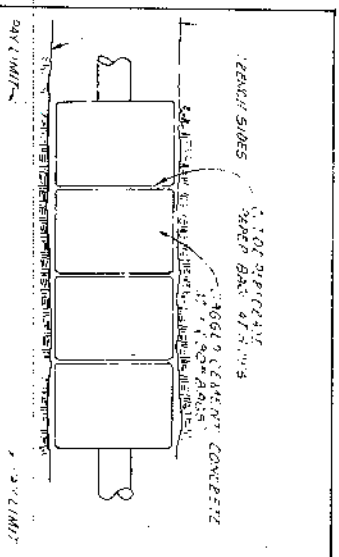


METHOD A

METHOD B

METHOD C

DITCH CROSSING PROTECTION DETAIL



1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTING THE NEW WATER LINE TO SUCH A DETAIL, LINE AND GRADE NECESSARY TO CLEAR EXISTING STRUCTURES WITHOUT THE USE OF VERTICAL FILTINGS.
2. LOCATION OF THE EXISTING WATER MAINS AS SHOWN ON THE PLANS IS APPROXIMATE ONLY. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE THE EXISTING WATER MAINS AND BEGIN AND COMPLETE THE NEW INSTALLATION AS CLOSE TO THE SPECIFIED STATIONS AS SHOWN ON THE PLANS.
3. CASTING WATER LINE TO BE HANDLED IN 2' AC

50+80-42 R. NEW BOX
50+80-38 L. NEW BOX
50+82-15 L. TR
50+84-15 L. TR
50+85-15 L. TR
50+86-15 L. TR

175+175+85 Const. 28" School Air
Line and Exst. 15" RC Enr. Pipe
8" R.

SIA 175+05
12" 6" TAPPING VALVE & SLEEVES
(HOT TAP), VALVE & BOX

51

CUT 2" LINE AND INSTALL
2" PLUG

175+175+85 Const. Sidewalk
Ramp 1/4" 3 Condition. 1/4"

Grade Line Elevation
P.L. 177+28.00
T.M. 27+32.50

175+175+04 Const. 40" Comm. Enr.

178+25-70 L. W.M.

JAMES G. FRENCH

6

At Sta. 175+125 to Sta. 178+75 Const.
2" F B Surface Ditch

Right of Way 138.00'
Perm Limit 3,901.0'
Const Limit 3,025.0'

PRELIMINARY
SUBJECT TO CHANGE

SCALE: 1"=20'

64

174+80-42 R. NEW BOX
174+80-38 L. NEW BOX
174+82-15 L. TR
174+84-15 L. TR
174+85-15 L. TR
174+86-15 L. TR
175+125-27 R. 6" F
175+125-27 L. 6" F
175+125-27 R. 6" F
175+125-27 L. 6" F
175+125-27 R. 6" F
175+125-27 L. 6" F

B.M. 3

7 Trns. Lines
60' High

7 Trns. Lines
50'

PC 78+88.33

Const. Enr.

Co. Rd. D. 5' x 5' Sign

EXIST. R/W

4' SON

Const. Enr.

OW.M.

At Sta. 174+67 Const. 16" Comm. Enr.
(No Pipe Reg.)

At Sta. 173+40 Const. Sidewalk
Ramp 1/4" 4

+ 52

+ 25

531

431

431

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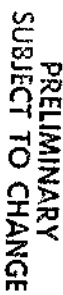
431

431

431

COUNTY OF	FISCAL YEAR	SHEET NO	TOTAL SHEETS
DAVIESS		47d	197

M 866815 } 201



ROBERT H. STEELE

PLAN STA 180+00 TO STA 186+00

SCALE: 1"=20'

Davies Co.

Some of the plans from

#65 thru 89 have a

very dark area in the
center, blocking out
information which may
not appear clearly on
film.

192

193

194

THOMAS OWEN SWEAT

197

198

COUNTY	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
DAVIESS	47	47	48
M 8668 (5) 201			

ROBERT H. STEELE

RONALD J. BAMBERGER
LLOYD OOST
P. GARY ABISHIER

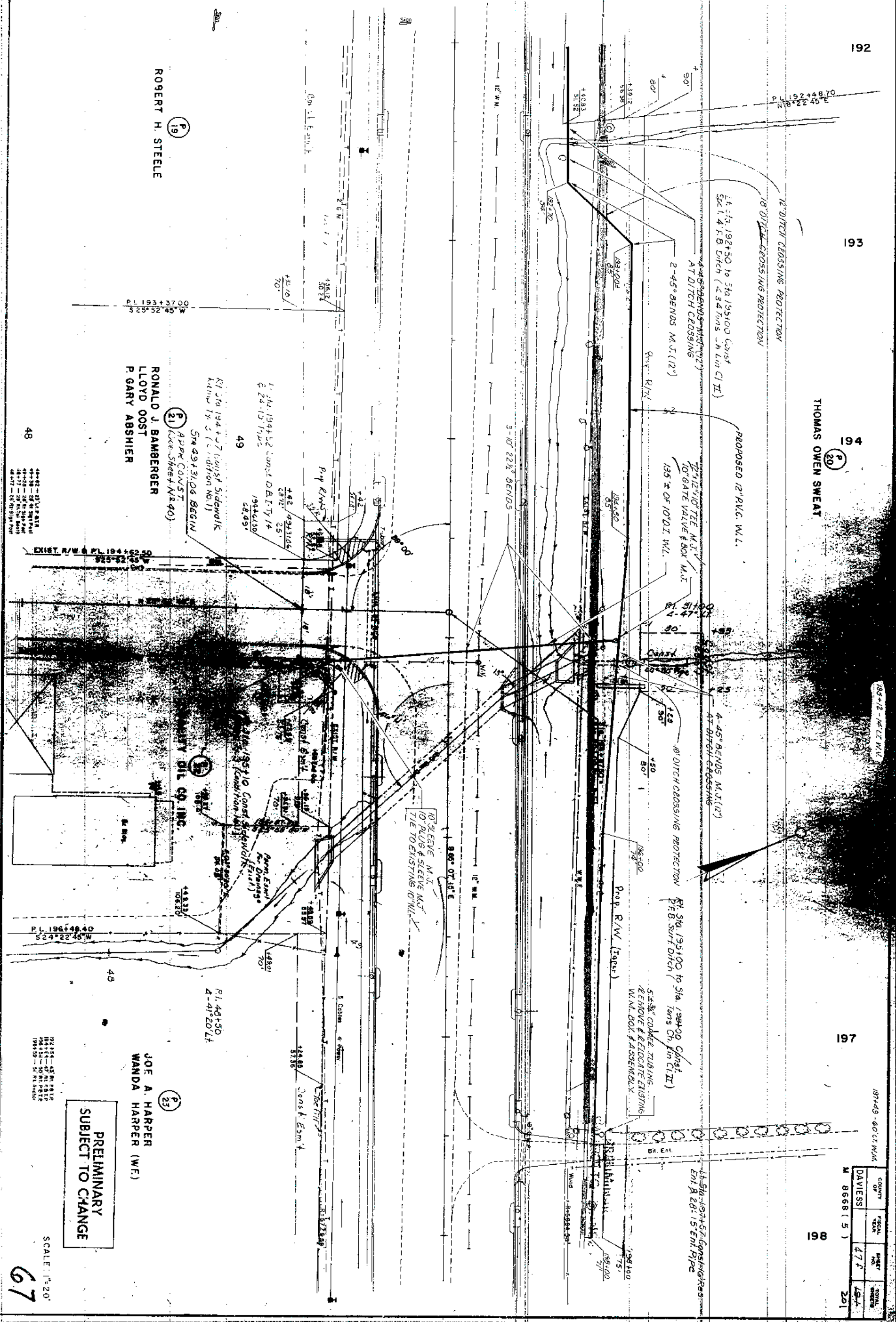
JOE A. HARPER
WANDA HARPER (W.F.)

PRELIMINARY
SUBJECT TO CHANGE

SCALE: 1"=20'

67

PLAN STA. 192+00 TO STA. 194+00



198

199

200

203

204

THOMAS OWEN SWEAT

EDWARD L. RICHARDS
LORETTA M. RICHARDS (WF)
BILLY JOE MILES
NANCY MILES (WF)

LI STA. 202+10 Const. Sidewalk Ramp Tr. 3 (Condition No. 1)

COUNTY	TOWNSHIP	SHEET NO.	TOTAL SHEETS
DAVIESS	47g	197	201

M 8668 (5)

LI STA. 198+00 to Sta. 200+00
Const. 8" Surf. Ditch (134 Tons Clay @ 11.5)

LI STA. 202+25 to 204+00 Const. 8" Surf. Ditch (134 Tons Clay @ 11.5)

LI STA. 203+25 to 204+00 Const. 8" Surf. Ditch (134 Tons Clay @ 11.5)

PROPOSED 12" P.V.C. W.L.

PROPOSED 10" P.V.C. W.L.

LI STA. 203+40 Const. 16 Res. Lin. 20" 15' Ent. Pipe

5' ± 3/4" COPPER TUBING
RESET EXISTING W.M.
BOX & ASSEMBLY

2" 10" STEEL V. N.T.
10" GATE VALVE & BOX M.J.
END 10" D.I. W.L.

5' ± 3/4" COPPER TUBING
REMOVE & RELOCATE
EXISTING W.M. BOX & ASSEMBLY

12" W. W.

105'-6" D.I. W.L.

5' ± 14' 28" E

10" W. W.

Shank Unit Fence

RI STA. 201+70 Const. Sidewalk Ramp Tr. 3 (Condition No. 1)

RI STA. 202+25 Const. Sidewalk Ramp Tr. 3 (Condition No. 1)

RI STA. 202+31 Const. 16 Res. Lin. 5' ± 15' Ent. Pipe

JOE A. HARPER
WANDA HARPER (WF)

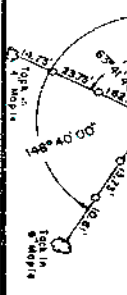
STA. 195+50 Begin
A.P.P. (See Sheet N340)

LILLIAN BRABANDT

PRELIMINARY
SUBJECT TO CHANGE

SCALE: 1" = 20'

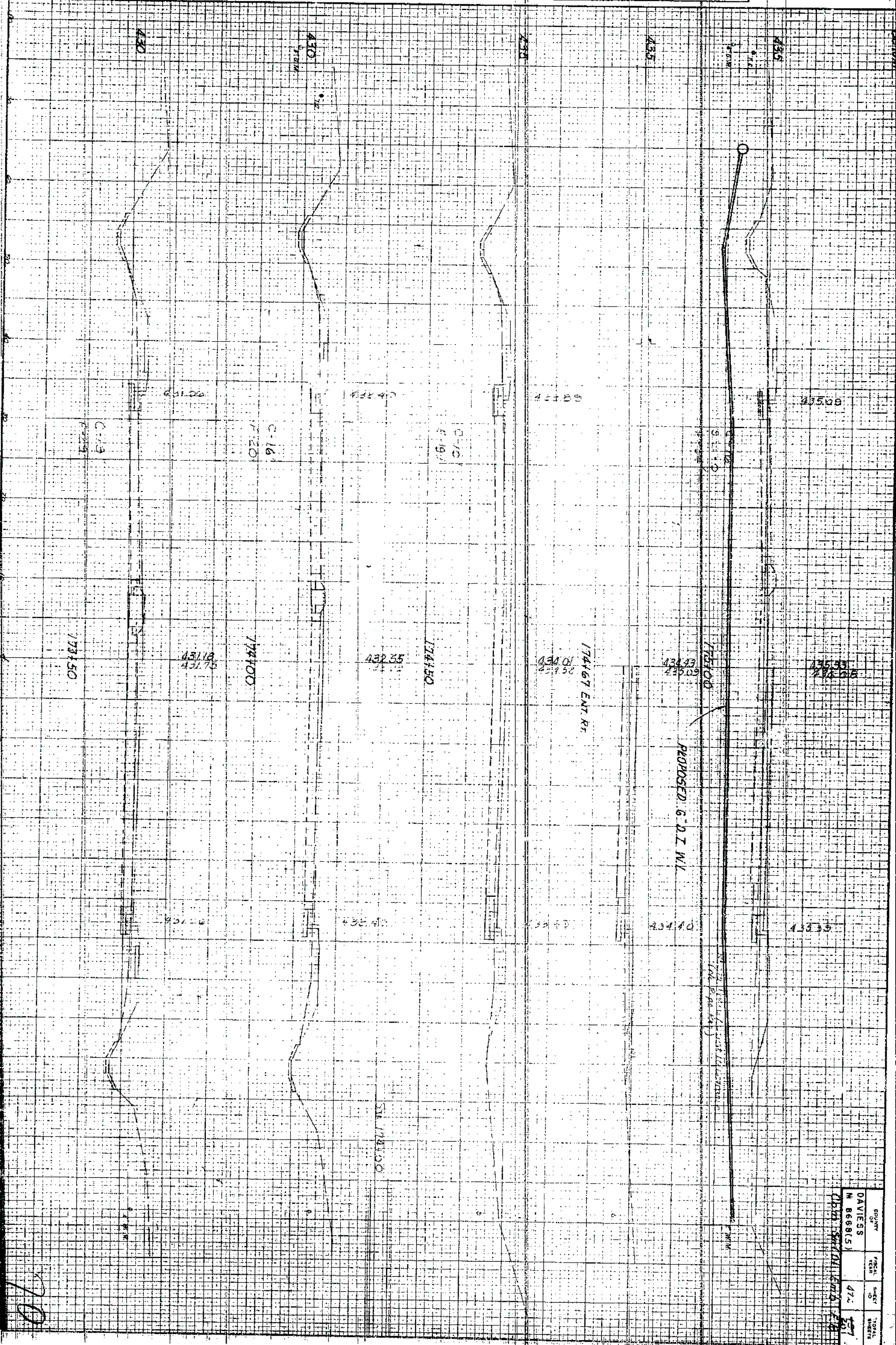
PLAN STA. 198+00 TO STA. 204+00



68

ORIGINAL SURVEY	DATE
NOTED IN BOOK	BY
NO	DATE

FINAL SURVEY	DATE
NOTED IN BOOK	BY
NO	DATE

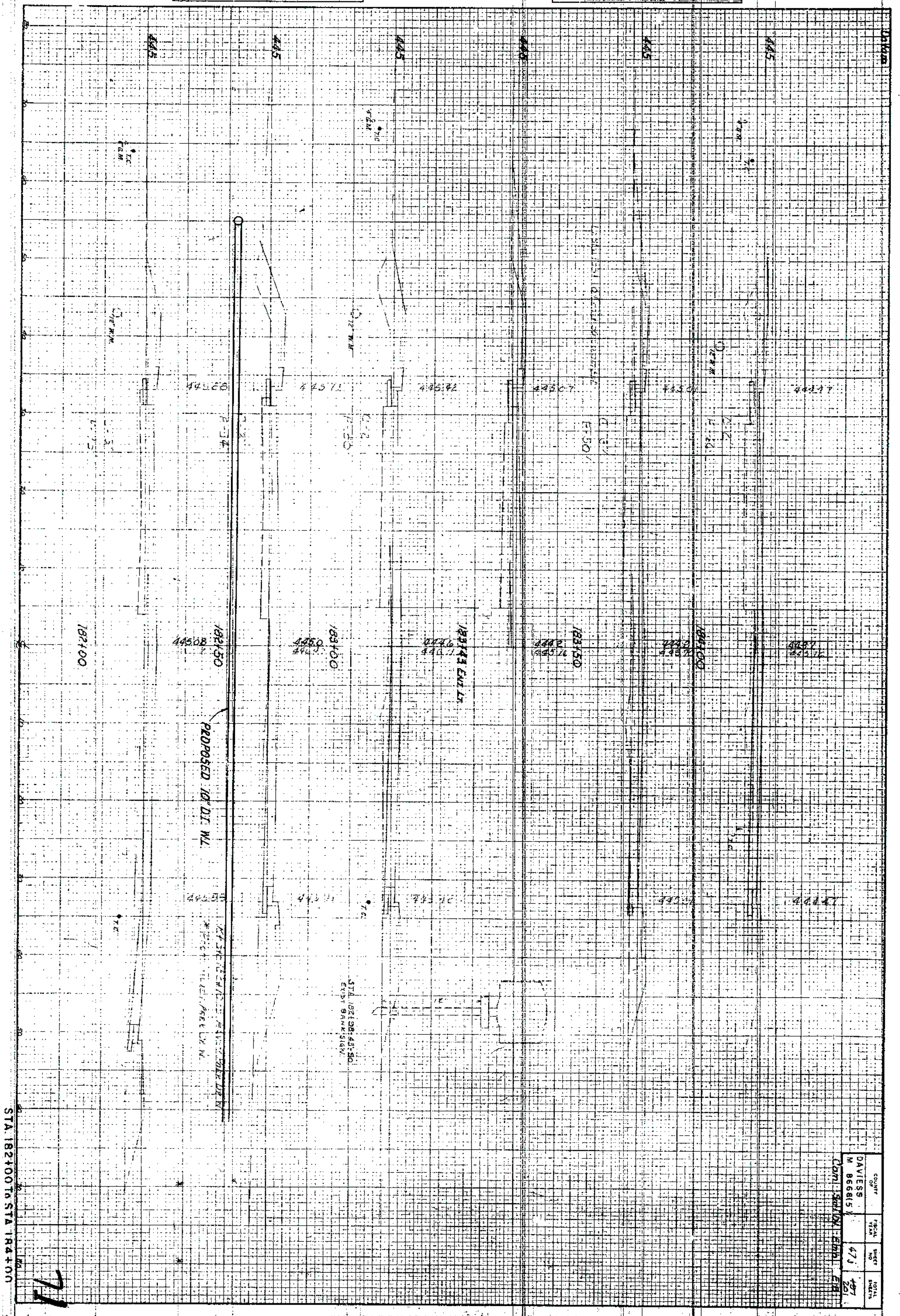


SURVEY OF	SECTION	SHEET	TOTAL SHEETS
DAVIES	42	42	42
M 868(5)			

70

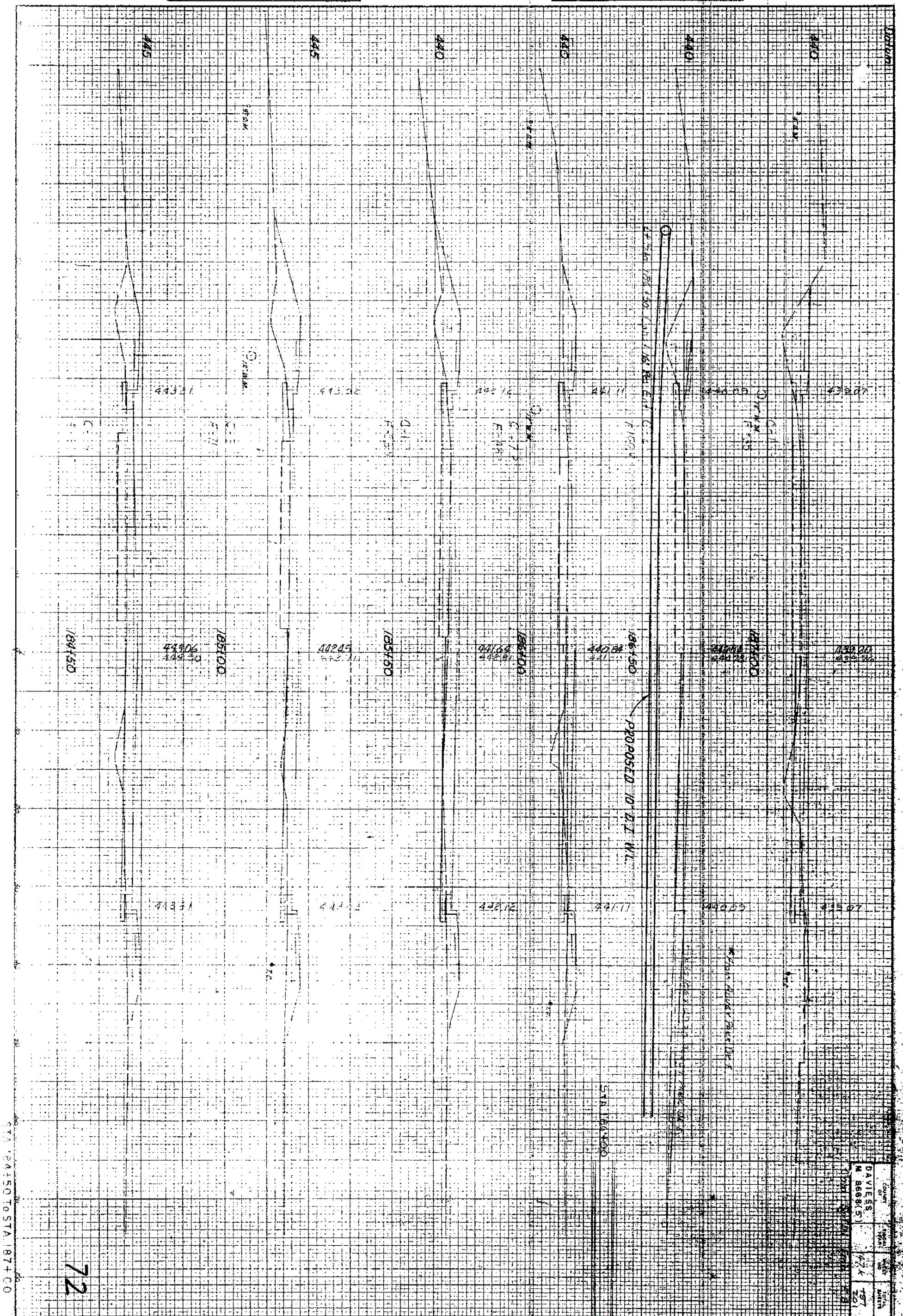
ORIGINAL SURVEY	SURVEYED	BY	DATE
PHOTO BOOD	PHOTOED		
NO	TEMPLATE		
	AREAS		
	AREAS		

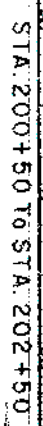
FINAL SURVEY	IDENTIFIED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



ORIGINAL SURVEY	BY	DATE
NOTE BOOK		
NO.		

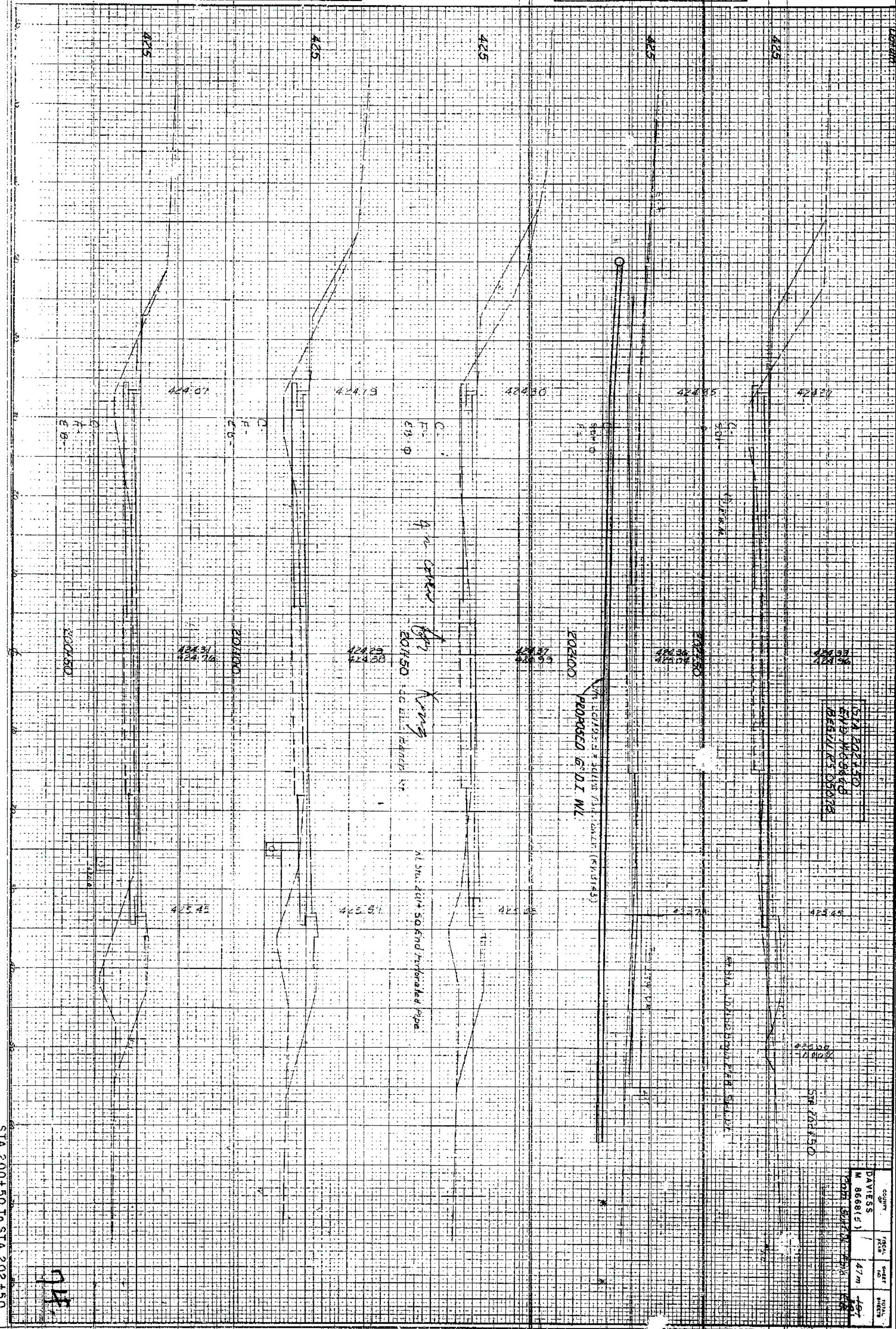
FINAL		BY	DATE
SURVEY	SURVEYED		
	PLOTTING		
NOTE BOOK	TEMPLATE		
NO	AIRTEL		
	AREAS CHECKED		





ORIGINAL SURVEY	SURVEYED	BY	DATE
NO. 10000	NO. 10000	NO. 10000	NO. 10000
NO. 10000	NO. 10000	NO. 10000	NO. 10000

FINAL SURVEY	SURVEYED	BY	DATE
NO. 10000	NO. 10000	NO. 10000	NO. 10000
NO. 10000	NO. 10000	NO. 10000	NO. 10000



STA 202+50
END WORK
REVISION 050728

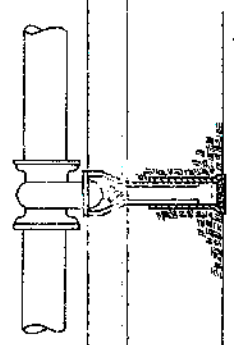
COUNTY	SHEET NO.	TOTAL SHEETS
DAVIES	47	101
M 868151		

STA 200+50 TO STA 202+50

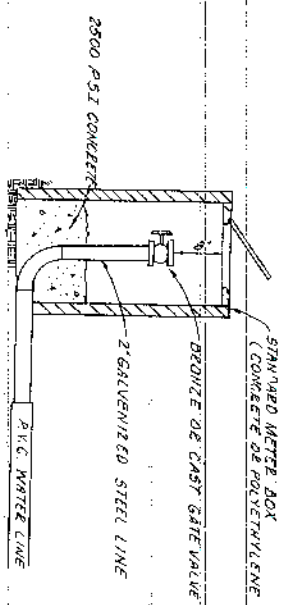
74

COUNTRY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
DOMINICA		47n	481

7



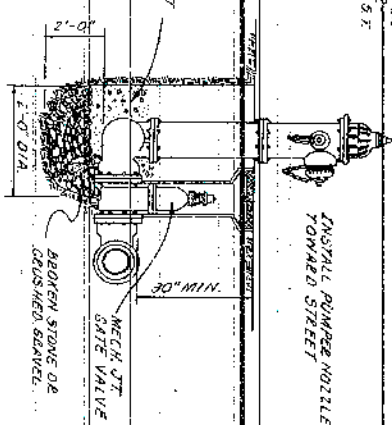
VALVE BOX



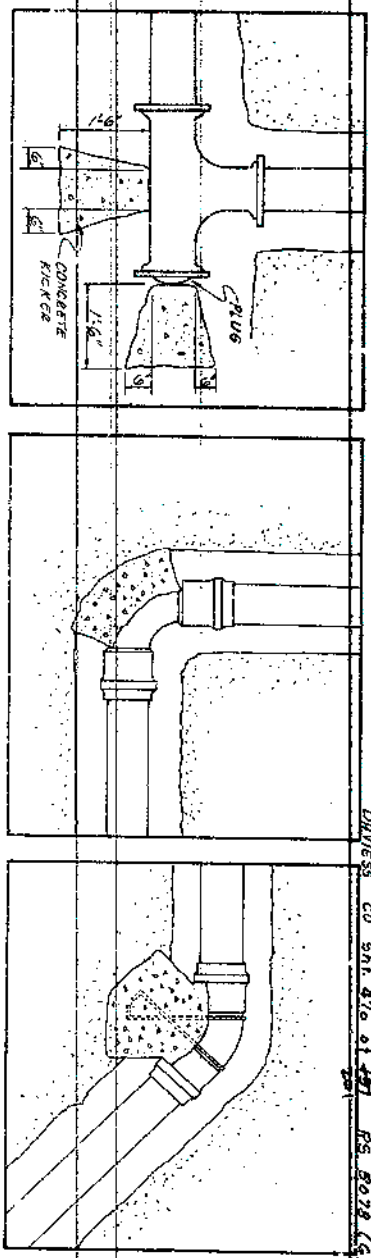
BLOW OFF DETAIL

FACE HOSE TO HANG
1" RIGID STEAM
CONNECTION AND 2"
NOZZLES, WITH N.S.K.

INSTALL RUMBER NOZZLE
TOWARD STREET



TYPICAL HYDRANT
INSTALLATION

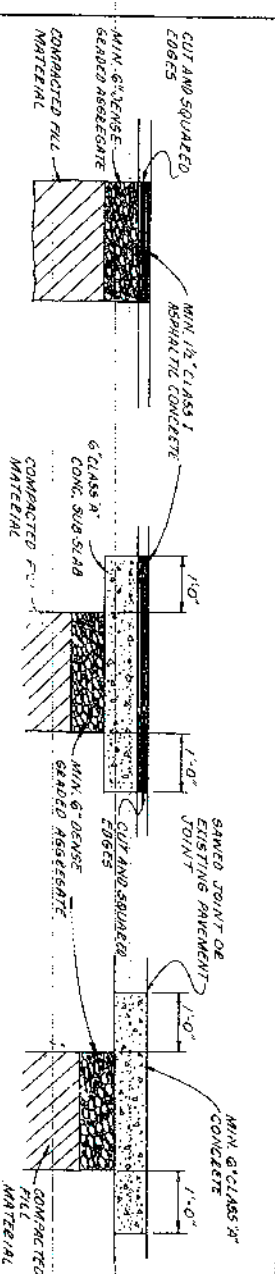


THRUST BLOCK DETAILS

SPECIAL NOTES

1. ALL SERVICE LINES SHALL HAVE NOT LESS THAN 30" COVER AFTER ROADWAY FINISHING AND CUTTING HAS BEEN COMPLETED. CHANGES IN THE ALIGNMENT OR GRADE OF SERVICE LINES SHALL BE BY SMOOTH TRANSITION WITHOUT SHARP BENDS OR ANGLES IN THE LINES.
2. NO ADDITIONAL COMPENSATION WILL BE MADE FOR REMOVING AND RE-TURNING EXISTING ABANDONED WATER METERS TO THE WATER DISTRICT OFFICE. SUCH COSTS TO BE MERGED INTO THE BID UNIT PRICE PER LINEAR FOOT OF WATER MAINS.
3. BACKFILL WITH SPECIAL-FILL SAND MATERIALS AT ALL WATER MAIN OR SERVICE LINE LOCATIONS WHICH WILL BE UNDER EXISTING OR PROPOSED HARD SURFACES (I.E. PAVED) AREAS. THE COST OF SPECIAL FILL MATERIALS WILL BE PAID AT THE BID UNIT PRICE PER TON OF SPECIAL FILL SAND.
4. AT THE CONTRACTOR'S OPTION AND UPON APPROVAL BY THE PROJECT ENGINEER THE NATURAL SOIL EXCAVATION MAY BE COMPACTED BY MEANS OF A MECHANICAL VIBRATORY COMPACTOR (I.E. MECHANICAL HACKER OR SIMILAR DEVICE) IN LIEU OF PLACING THE SPECIAL FILL SAND. NO ADDITIONAL COMPENSATION WILL BE MADE FOR COMPACTION OF THE TRENCH MATERIAL IN LIEU OF SPECIAL FILL SAND.
5. AT ALL T.J.S., PLUGS, CAPS, AND AT BENDS OF 22.5° AND OVER AND AT WATER MAINS EXPOSED OVER, PROTECTION SHALL BE PROVIDED BY USING CLASS A CONCRETE ANCHORS OR THRUST BLOCKS. THRUST BLOCKS AND SUB PITS SHALL BE AS SHOWN IN THE TYPICAL DETAILS WITH SUFFICIENT VOLUMES OF CONCRETE BEING PROVIDED. HOWEVER, CARE SHALL BE TAKEN TO LEAVE NEAR HOLES UNDISTURBED AND ALLOW FOR FUTURE TIGHTENING OR CORRECTING OF ALL NEARBY JOINTS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTING THE NEW WATER LINE TO SUCH A DEPTH, LINE AND GRADE NECESSARY TO CLEAR EXISTING STRUCTURES WITHOUT THE USE OF VERTICAL FITTINGS.
7. LOCATION OF THE EXISTING WATER MAINS AS SHOWN ON THE P.L.S. IS APPROXIMATE ONLY. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE THE EXISTING WATER MAINS AND BEGIN AND COMPLETE THE NEW INSTALLATION AS CLOSE TO THE SPECIFIED STATIONS AS SHOWN ON THE PLANS.

EXISTING WATER LINE TO BE ABANDONED IN PLACE

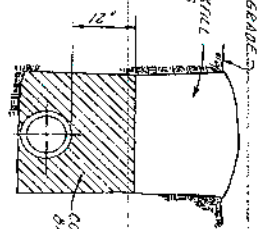


LIGHT DUTY BITUMINOUS

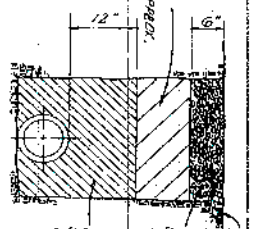
HEAVY DUTY BITUMINOUS

CONCRETE

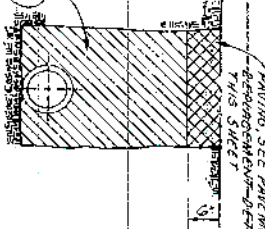
PAVEMENT REPLACEMENT



METHOD A

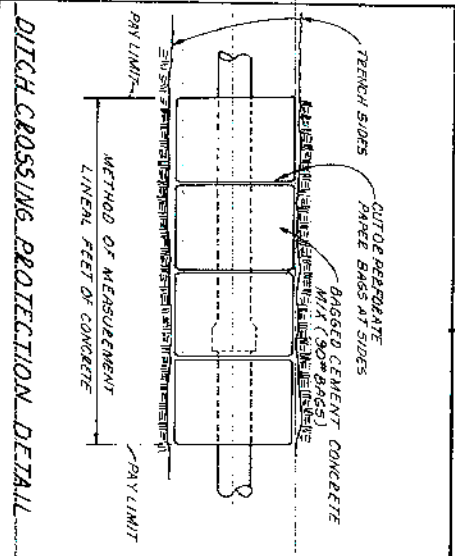


METHOD B



METHOD C

BACK FILLING



DITCH CROSSING PROTECTION DETAIL

204
P 25
EDWARD L. RICHARDS
LORETTA M. RICHARDS (WF)
BILLY JOE MILES
NANCY MILES (WF)

EDWARD L. RICHARDS
LORETTA M. RICHARDS (WF)

205
P 26

LI STA 204+00 TO STA 207+45
CONST. F.B. SURF DITCH
(155 TONS CH. LIN. CL. II)

PROPOSED 10" P.V.C. W.L.
10# 3/4" COPPER TUBING
RESET EXISTING W.M.
BOX & ASSEMBLY

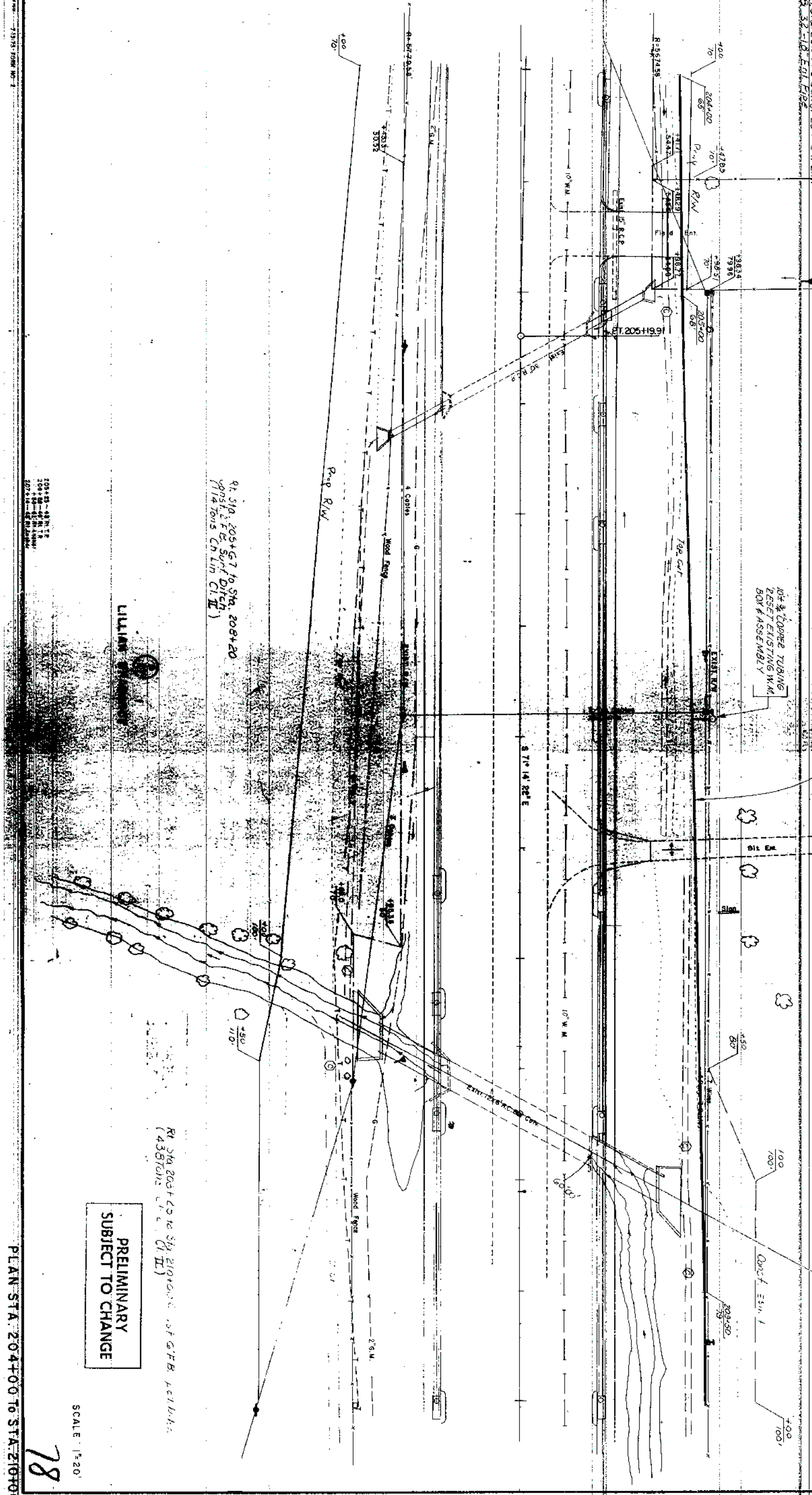
208
P 28
J. P. RUSHER
MAGGIE RUSHER (WF)

LI STA 207+45 TO STA 209+00
CONST. F.B. SURF DITCH
(61 TONS CH. LIN. CL. II)

LI STA 209+00 TO STA 210+00
CONST. F.B. SURF DITCH
(215 TONS CH. LIN. CL. II)

COUNTY OF	TOTAL SHEET NO.	TOTAL SHEET NO.
DAVIESS	478	487
RS 5078(6)	201	

210



PRELIMINARY
SUBJECT TO CHANGE

SCALE 1"=20'

78

PLAN STA. 204+00 TO STA. 210+00

21438-802 L.M.L.

210
J.P. RUSHER
MAGGIE RUSHER (WF)
PL 210+43.50
N 17° 45' 38" E

211
I-S-Bldg
P 29
EDWARD L. KRAMPE

212
1/2-S-Fldg
PL 211+78.50
N 17° 45' 38" E

214
214+65 - 25' L.T. W.V.
52
P 31
PEDLEY BROS. EXCAVATING INC.
L.S. Sta. 214+6.5 Const. S. 1/2 Sec. 16 T. 14 N. R. 10 E.
Condition No. 1
S. 1/2 Sec. 16 T. 14 N. R. 10 E.
APPR. CONST.
(See Sheet N-41)

215
EXIST. R/W & PL 215+21.92
N 19° 15' 38" E
Curb

216
I-S-Fldg
P 32
COMMONWEALTH DEVELOPMENT

COUNTY	TOWNSHIP	RANGE	SECTION	TOTAL
DAVIES			47	49
RS 5078 (6)				201

PROPOSED 10" P.V.C. W.L.
P 30
EUGENE J. KRAMPE

STA. 210+00 TO STA. 214+00 CONST. G.T.R.
Spec. Ditch 732 7003 CH. 17-11

1-6" COPPER TUBING
RESET EXISTING W.M.
BOX & ASSEMBLY
Blt. Smt. 53m. f.
95
1770
30
1-6" SLEEVE
20'-0" OF 6" P.V.C. W.L.
TIE TO EXISTING 6" W.L.

1-6" TEE M.T.
6" GATE VALVE & 60" M.T.
PROTECTION
1-6" SLEEVE
20'-0" OF 6" P.V.C. W.L.
TIE TO EXISTING 6" W.L.

4-45° BENDS AT DITCH CROSSING (10')

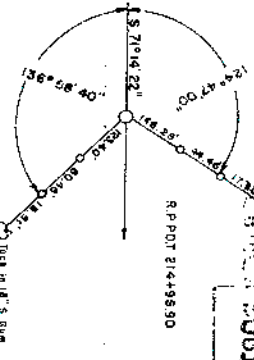
Sta. 214+30.2
S.E. 20' 10" CONCRETE
CULVERT

Exist. 10" R.C. Curb
(See Sheet N-41)

45' OF 14" STEEL CASING (THICK # 80E)
FOR 10" P.V.C. W.L.

Sta. 210+00 to Sta. 214+00 Const. G.T.R. Spec. Ditch
(See Sheet N-41)

PRELIMINARY
SHEET
SUBJECT TO CHANGE



SCALE: 1"=20'

PLAN STA. 210+00 TO STA. 214+00

79

COUNTY	TOWN	SHEET NO.	SHEET TOTAL
DAVIES		475	194
RS 50781 &			201

COMMONWEALTH DEVELOPMENT

1. Sta. 214+50 to Sta. 215+00
Const. 2" F.B. Spec. Ditch
(6'4" Ch Lin C.I.I.)

3. 2" COPPER TUBING
REMOVE & RELOCATE
EXISTING W.M. BOX #
ASSEMBLY

1. Sta. 217+00 to Sta. 219+94
Const. 2" F.B. Spec. Ditch
(6'4" Ch Lin C.I.I.)

1. Sta. 219+94 to Sta. 221+00
Const. 2" F.B. Spec. Ditch
(6'4" Ch Lin C.I.I.)

1. Sta. 221+00 to Sta. 222+00
Const. 2" F.B. Spec. Ditch
(6'4" Ch Lin C.I.I.)

PRELIMINARY
SUBJECT TO CHANGE

LILLIAN BRABANDT

JAMES DANIEL NAPIER

JESSIE MAE BENNETT (W.F.)

APPROXIMATE
(See Survey Map)

IMMANUEL BAPTIST CHURCH

BOBBY GENE PATE
DONA PATE (W.F.)

R. L. OWEN
J. ANN OWEN (W.F.)

SCALE: 1"=20'

80

PLAN STA. 216+00 TO STA. 222+00

THOMAS N. THOMPSON

222

P 43

223

224

52

227

228

LT Sta 222+38 Const 35' Comm Ent

30' OF 14" STEEL CASING
(JACK & BORE) FOR 10" P.V.C.

P.L. 223+78.5
N 28° 12' 21"

PROPOSED 10" P.V.C. W.L.

LT Sta 227+00 Const Sidewalk
Ramp 7' 3" Condition No. 1

Sta 227+26.99 END
APPR. CONST
(See Sheet 41)

EXIST. R/W B.P.L. 227+02.30
N 27° 49' 43" E
P.L. 227+20.30

EXIST. R/W B.P.L. 227+82.66
N 27° 49' 43" E

THOMPSON HOMES INC.

R. L. OWEN
J. ANN OWEN (WF)

P 42

MARY JANE OWEN (WID)

P 46

F. W. HENNESSEE (DEC.)
ANNA H. HENNESSEE (WF)

P 47

PRELIMINARY
SUBJECT TO CHANGE

SCALE 1" = 20'

DATE: 10-10-77
BY: J. L. OWEN
CHECKED: J. L. OWEN
DATE: 10-10-77

227-18 - 42' P.V.C. LINE NORTH
42 - 28' R/W B.P.L. NORTH

PLAN STA 222+00 TO STA 228+00

81

228

THOMPSON HOMES INC.

P 45

229

230

233

234

REFORMED PRESBYTERIAN CHURCH
OF OWENSBORO, INC.

P 49

COUNTY	TOWN	SECTION	AREA
DAVIES		47	184
RS 5078 (S)			201

BURIAL

1/4 Sta. 229+00 Const. 16' Ent.
& 28' 45" Ent. Pipe

F. W. HENNESSEE

PROPOSED 10" PVC W.L.

1/4 Sta. 232+50 to Sta. 234+00
Const. 16' 30" Ent. Pipe
(6' 0" 10" 5" CH. Lim. CH. II)

18' DITCH CROSSING PROTECTION

EXIST. R/W R=291679

Const. 16' Ent. Pipe

228+00

S 44° 35' 32" E

231+00

150

232+00

129.93

233+00

158.31

234+00

110.09

54.40

EX. 18" R.C.P.

120' ± 3" COOPER TUBING
REMOVE & RELOCATE
EXISTING W.M., BOX #
ASSEMBLY
R=281479

EXIST. R/W

120' ± 3" COOPER TUBING
REMOVE & RELOCATE
EXISTING W.M., BOX #
ASSEMBLY

F. W. HENNESSEE (DEC.)
ANNAL H. HENNESSEE (WF)

P 47

1/4 Sta. 228+00 to Sta. 234+00
Const. 16' 30" Ent. Pipe
(6' 0" 10" 5" CH. Lim. CH. II)

1/4 Sta. 233+00 Const. 16' 30" Ent.
& 28' 45" Ent. Pipe

JOHN M. GRIMES
NANCY GRIMES (WF)

P 50

THOMAS N. THOMPSON
CHARLES J. KAMUF

P 51

PRELIMINARY
SUBJECT TO CHANGE

SCALE: 1"=20'

82

PLAN STA. 228+00 TO STA. 234+00

51273 FORM NO. 2

REFORMED PRESBYTERIAN CHURCH
OF OWENSBORO INC.

BILL RICHESON

HENRY C. SMITH
CATHERINE D. SMITH (WF)

234

235

236

239

240

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
DAVIESS		47V	49
RS 50781 (6)			201

235+33.81
245+24.25 E

LT Sta 234+00 To Sta 240+00 Const
4" B. Spec. 1. D.I.C.
1210 for C. L. (1 II)

LT Sta 234+72.4 Const. 31 Sheet Appr

LT Sta 234+72.4 Const. 31 Sheet Appr
TX 3 (Condition No. 1)

STA 234+72.4 E
STA 50100 WOODLANDS
8" PLUG
8" GATE VALVE BOX M.J.
10' 10" 8" TEE M.J.
10' 10" 8" TEE M.J.

10' 10" 8" TEE M.J.
8" GATE VALVE BOX M.J.

10' 10" 8" TEE M.J.
8" GATE VALVE BOX M.J.

10' 10" 8" TEE M.J.
8" GATE VALVE BOX M.J.

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10' 10" 8" TEE M.J.
8" GATE VALVE BOX M.J.

10' 10" 8" TEE M.J.
8" GATE VALVE BOX M.J.

10' 10" 8" TEE M.J.
8" GATE VALVE BOX M.J.

PRELIMINARY
SUBJECT TO CHANGE

SCALE: 1"=20'

83

PLAN STA 234+00 TO STA 240+00

COUNTY	SECTION	SHEET	TOTAL
DAVIESS	47 W	194	201
RS	50781 (4)		

HENRY C. SMITH
CATHERINE D. SMITH

LT STA. 240+00 TO STA. 240+50 CONST.
2" F.E. 50" DIA. (176 TONS CH. LIN. CL. II.)

PROPOSED 10" PVC. WL.

LT STA. 241+95 CONST. 16" RES. ENT.
(NO PIPE)

LT STA. 245+28 CONST. 16" RES. ENT.
2" F.E. 18" DIA. PIPE

LT STA. 242+15 TO STA. 246+00
CONST. 2" F.E. 50" DIA. (176 TONS CH. LIN. CL. II.)

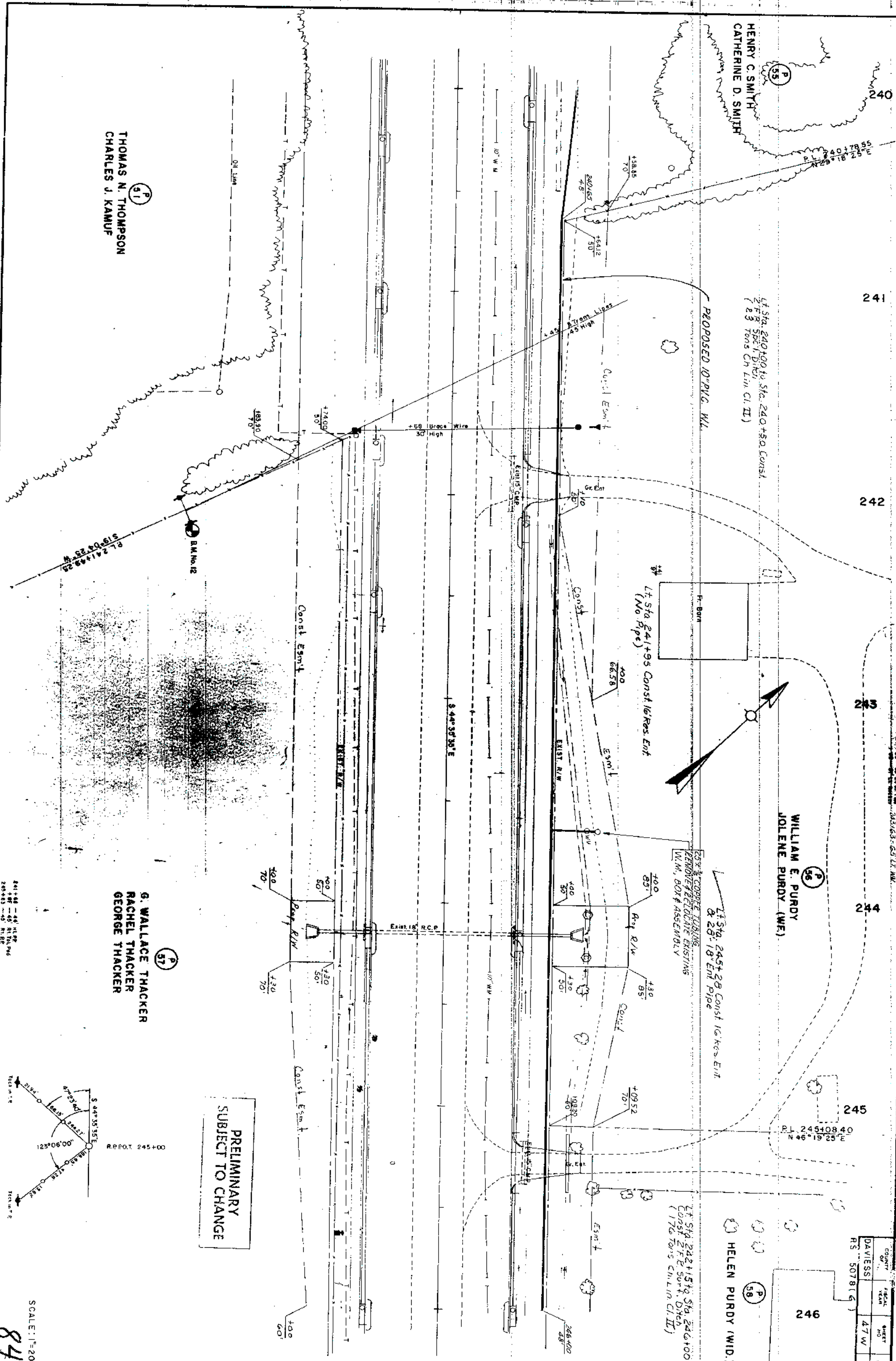
WILLIAM E. PURDY
JOLENE PURDY (W.F.)

HELEN PURDY (WID.)

THOMAS N. THOMPSON
CHARLES J. KAMUF

G. WALLACE THACKER
RACHEL THACKER
GEORGE THACKER

PRELIMINARY
SUBJECT TO CHANGE



PLAN STA. 240+00 TO STA. 246+00

SCALE: 1"=20'
84

252

JOHN PURDY
P 61

253

PL 253+29.30
N38°05'25"E

254

51

50128 - 28' L. W.L.

255

EASTGATE DEVELOPMENT CO.

P 62
256

257

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
DAVIESS	47 X	404	201
RS 507816			

258

Lt. Sta. 253+25 to Sta. 254+75 Const
ZFB Sun. Birch (100' V.I.D. Sod)

Lt. Sta. 254+82 Const
Sidewalk Ramp T-3
(Condition No. 1)
6" SLEEVE M.T.
TIE TO EXISTING W.L.
6" PLUG & SLEEVE M.T.
0" 10" 6" TEE M.T.
6" GATE VALVE 4' BOX M.T.
20' 6" R.W. W.L.

Lt. Sta. 255+42 Const Sidewalk
Ramp T-3 (Condition No. 1)
30" 0" 10" D.I. W.L.
2" 10" SLEEVES
STA. 255+12.90 =
GATE WAY STA. 50+00

PROPOSED 10" P.V.C. W.L.

Const. Esm't
135
80
30
465
80
700
4.11

Const. Esm't

Top Cut
400
1.5

WALLACE THACKER
NAGEL THACKER
GEORGE THACKER

PRELIMINARY
SUBJECT TO CHANGE

SCALE: 1"=20'

251+92 - 25' R.L. P. 7

253+60 - 40' R.L. P. 8

PLAN STA. 252+00 TO STA. 258+00

851

EASTGATE DEVELOPMENT CO.

60

~~P.L. 260 + 11.04~~
~~N 46° 24' 25" E~~

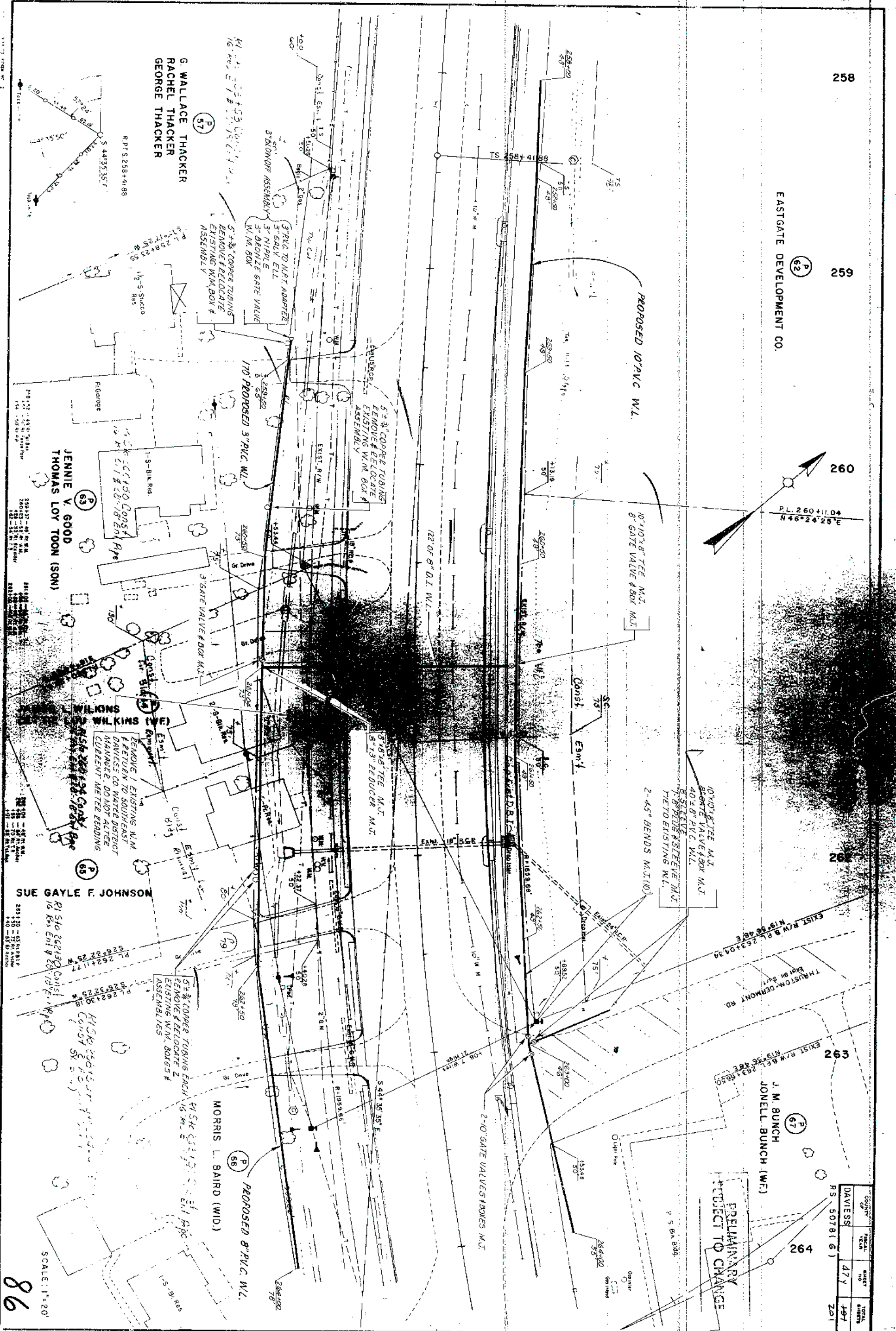
62

53

J. M. BUNCH
JONELL BUNCH (Wife)

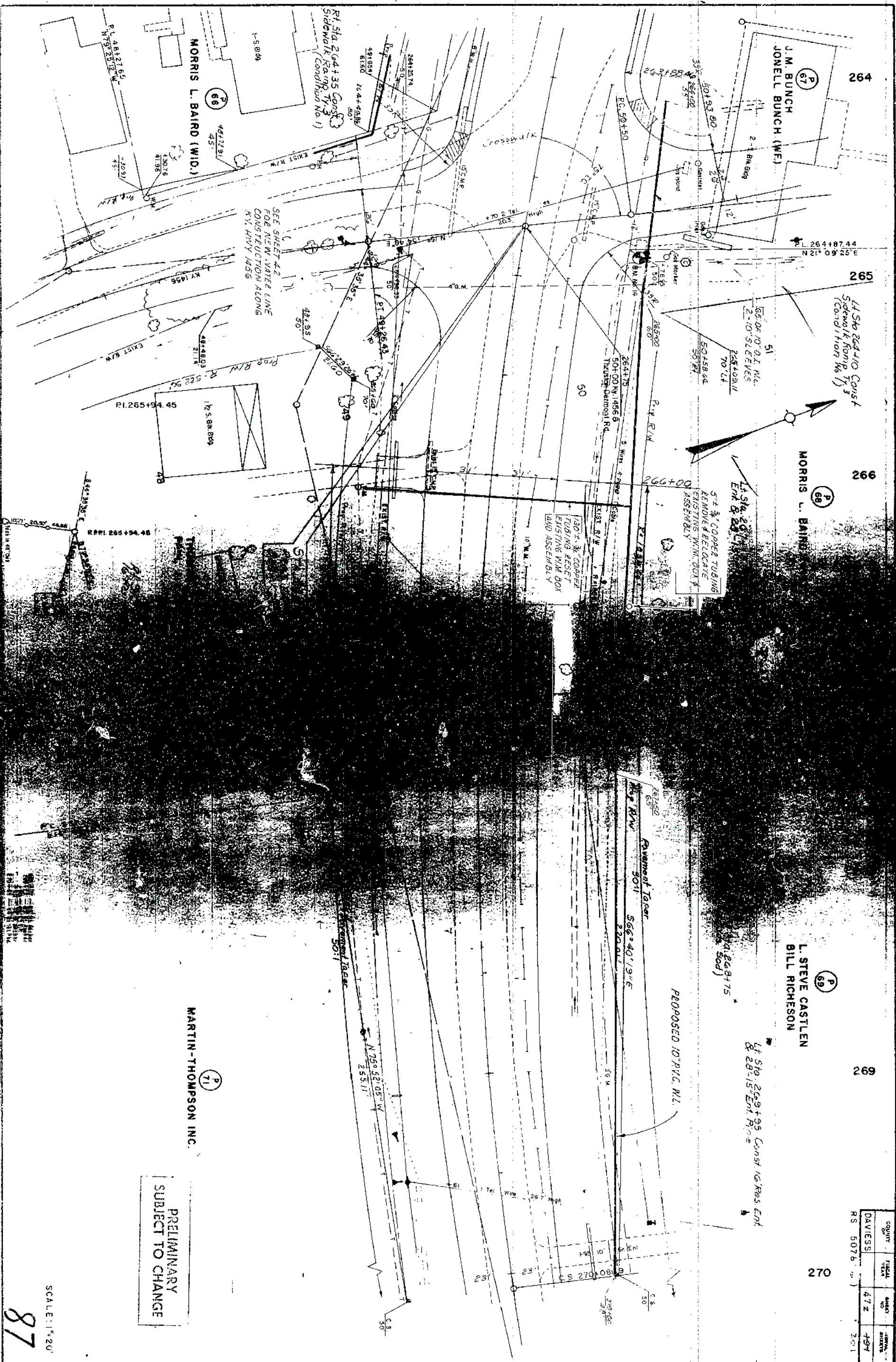
~~PRELIMINARY
SUBJECT TO CHANGE~~

COUNTY OF	FISCAL YEAR	SHEET NO	TOTAL SHEETS
DAVIESS		477	497



PLAN STA 258+00 TO STA 264+00

89



COUNT	FEET	INCHES	FEET	INCHES
DAVIES	472	494		
RS 5076		201		

PRELIMINARY
SUBJECT TO CHANGE

SCALE: 1"=20'

87

270

271

272

273

274

275

L. STEVE CASTLEN
BILL RICHESON

THOMAS A. HERMANN
MARGARET W. HERMANN (WF)

WILLIAM L. JONES
CHARLOTTE JONES (WF)

COUNTY OF	TOTAL	SHEET NO.	TOTAL SHEETS
DAVIES	47	47	47
RS 707816			201

Lt. Sta. 269+35 Const. 16" Res. Ent.
& 28" 10' Ent. Pipe

Lt. Sta. 273+78 Const. 16" Res. Ent.
& 28" 10' Ent. Pipe

Lt. Sta. 275+01 Const. 16" Res. Ent.
& 28" 10' Ent. Pipe

25' 3" COOPER TUBING
RESET EXISTING W.M.
BOX & ASSEMBLY

10" 10' 8" TEE M.T.
8" GATE VALVE & BOX M.T.

10" 3" COOPER TUBING
RESET EXISTING W.M.
BOX & ASSEMBLY

10" 3" COOPER TUBING
RESET EXISTING W.M.
BOX & ASSEMBLY

10" TAPPING SLEEVE
VALVE & BOX
10" PLUG & SLEEVE
M.T.

STA. 276+00 END
APPR. CONST.

36" 0' 8" 1/2" W.L.

PROPOSED 10" P.V.C. W.L.

4" 8" 34' 57" E

2" 10" 45" BEADS M.T.

49

STA. 49+40 BEGIN
APPR. CONST.
(See Sheet N 246)

MARTIN-THOMPSON INC.

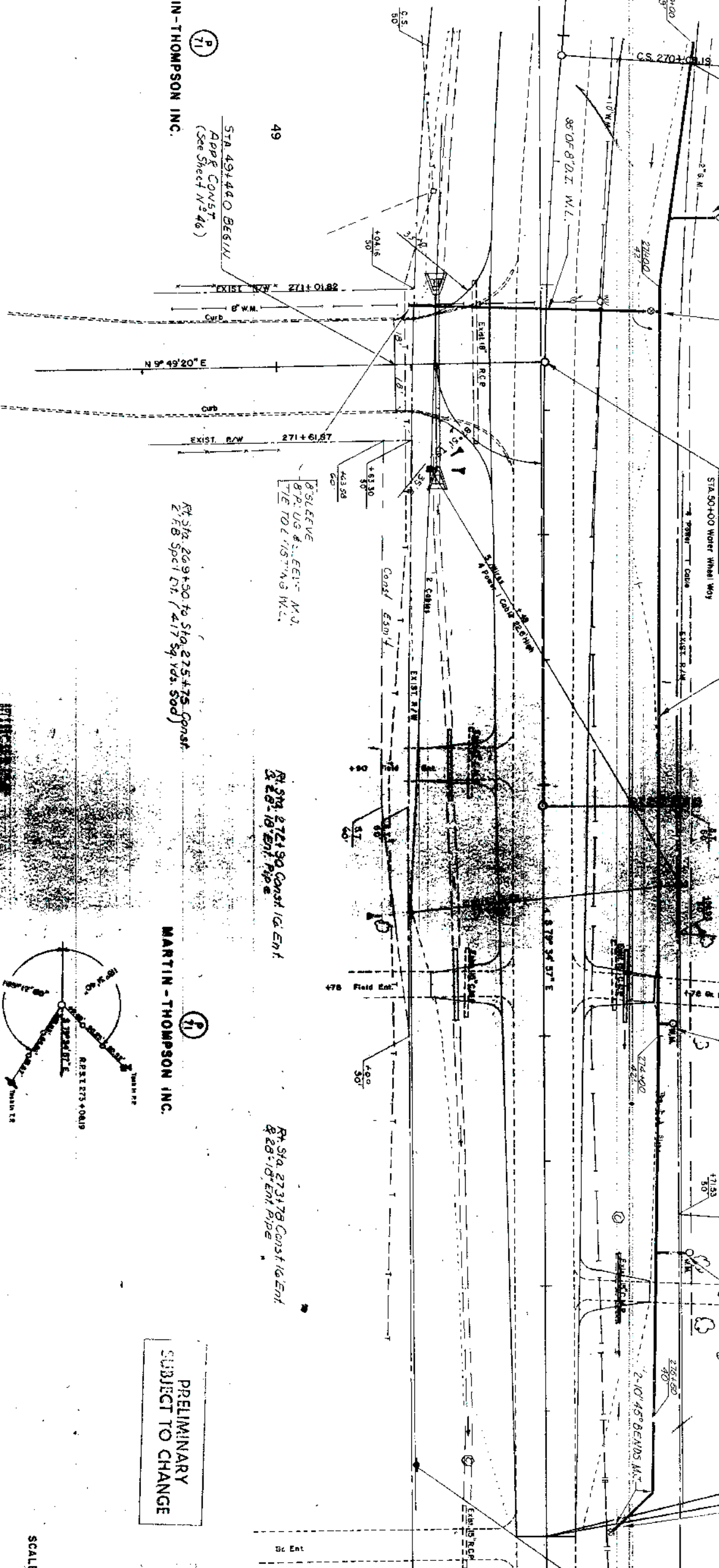
MARTIN-THOMPSON INC.

PRELIMINARY
SUBJECT TO CHANGE

Rt. Sta. 269+30 to Sta. 275+75 Const.
& 28" 10' Ent. Pipe / 4" 17" 34' 10" 50d

Rt. Sta. 274+90 Const. 16" Res. Ent.
& 28" 10' Ent. Pipe

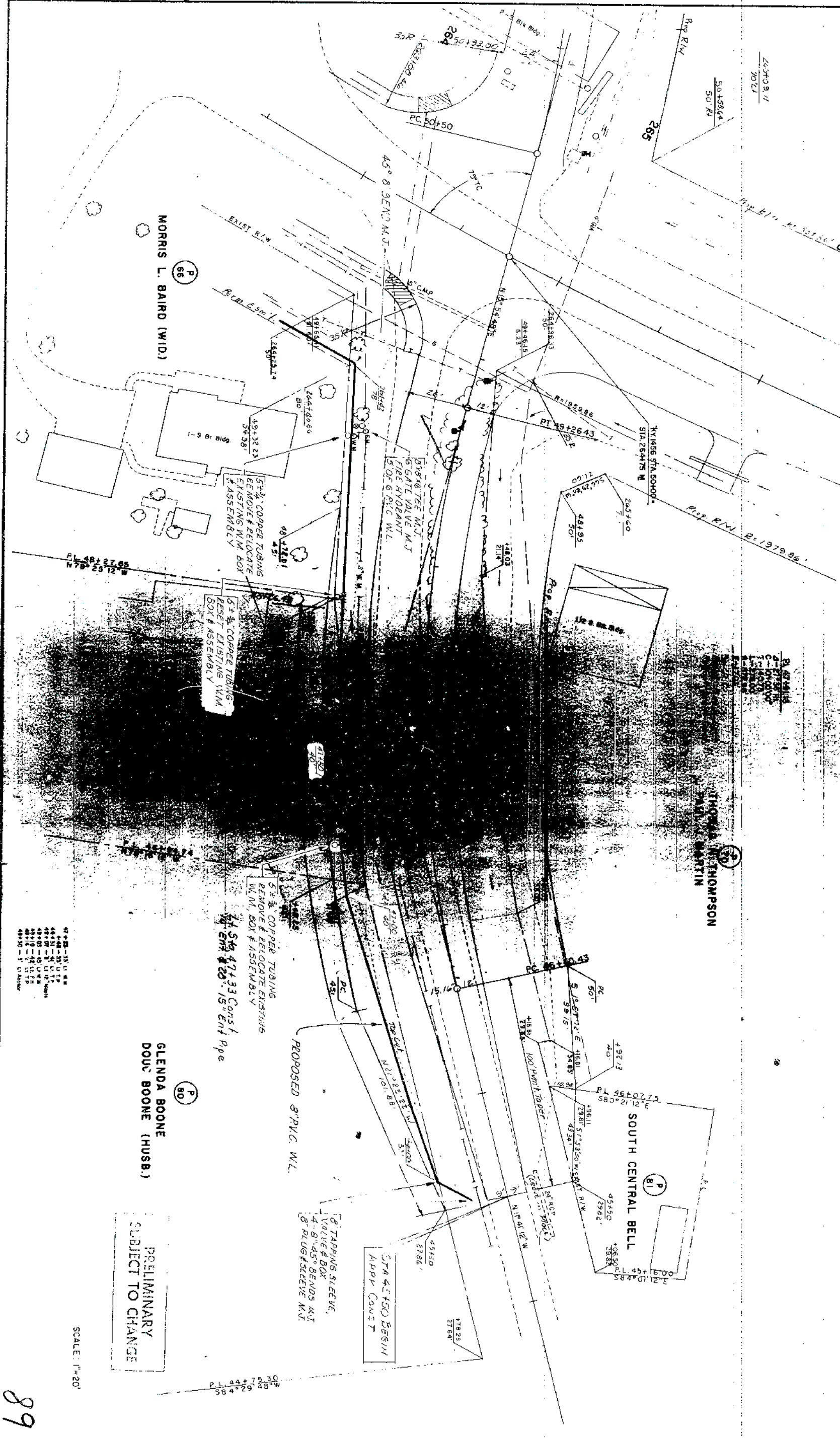
Rt. Sta. 273+78 Const. 16" Res. Ent.
& 28" 10' Ent. Pipe



SCALE: 1" = 40'

PLAN STA. 270+00 TO STA. 276+00

COUNTY	DAVIESS	SHEET NO.	47 b b	TOTAL SHEETS	19-1
OF					
RS 5078 (G)					



PRELIMINARY
SUBJECT TO CHANGE

SCALE: 1"=20'

REVISED ON ADDN. RT STA 264+75

89

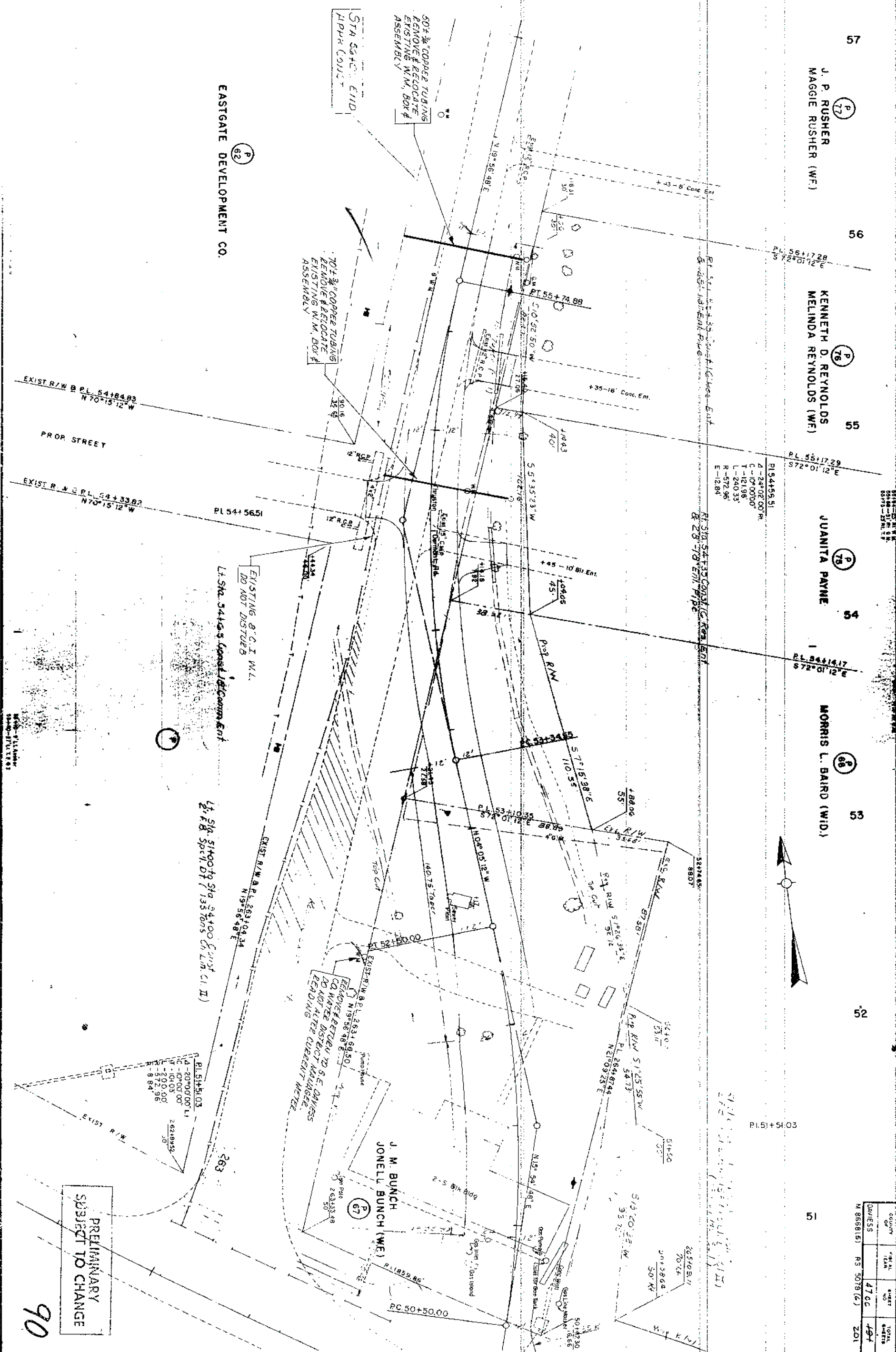
J. P. RUSHER
MAGGIE RUSHER (WF)

KENNETH D. REYNOLDS
MELINDA REYNOLDS (WF)

JUANITA PAYNE

MORRIS L. BAIRD (WID.)

COUNTY OF	SHEET NO.	TOTAL SHEETS
DAVIESS	470C	494
M 8668(5)	RS 5078(6)	201



THRUSTON FERMONT RD. APPR. LT STA. 264+75.00

~~PRELIMINARY~~
~~SUBJECT TO CHANGE~~

00

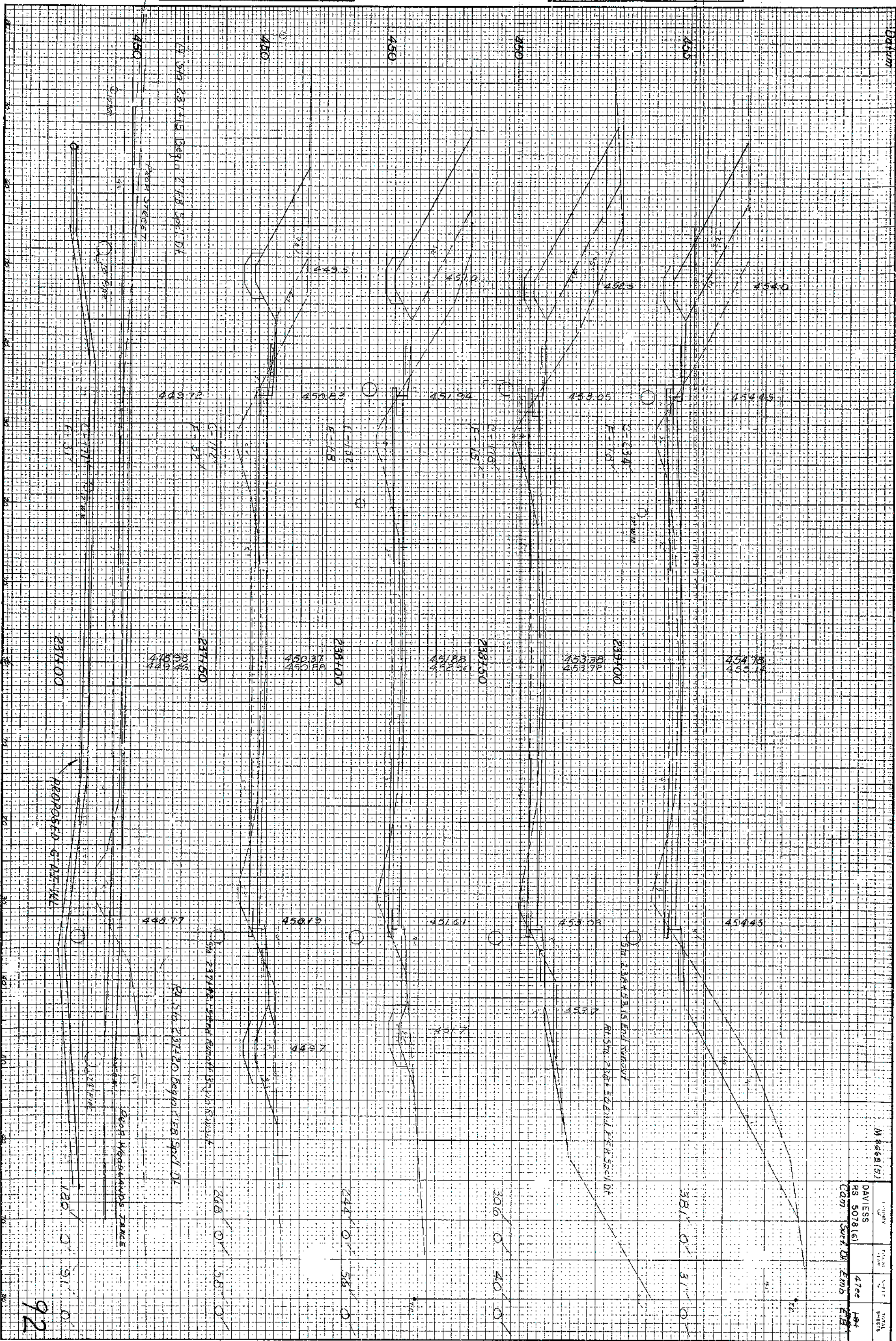
FINAL SURVEY	BY		DATE
NOTE BOOK NO.	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHOC		

STA 219+50 TO STA 221+50

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

TELETYPE POST 8-77
FORM NO. 6



STA 237+00 TO STA 239+00

92

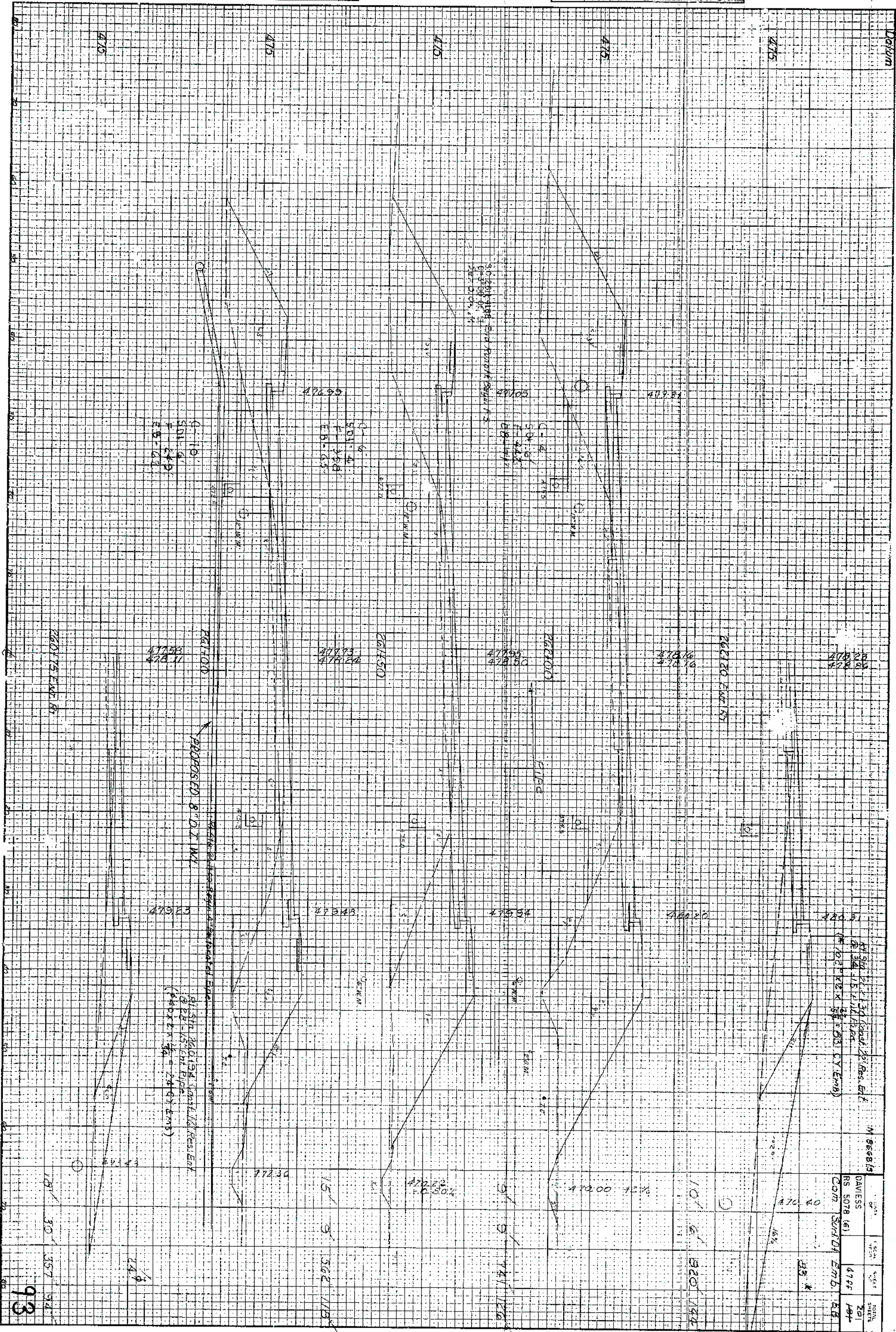
(M 8668.5)

DAVLESS	RS 5078.61	COM	SMITH	EMIS	ED
4/100	184				

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	HEAD		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	HEAD		
	AREAS CHECKED		

TELETYPE POST 8-77
FORM NO. 6



STA 260+75 TO STA 262+20

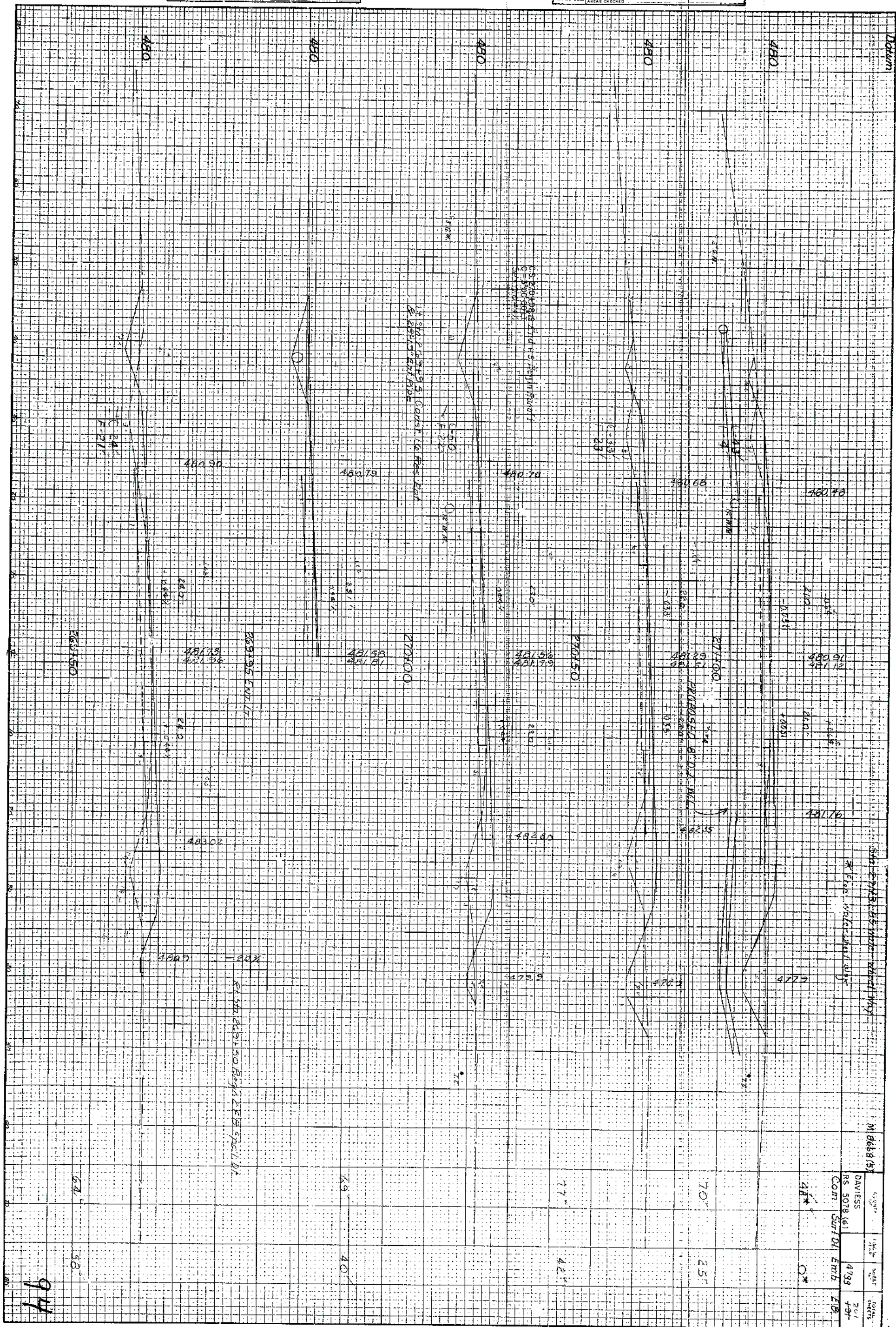
93

AT STA 261.30 (approx. 20' from E/L)
8\"/>

DAVEISS
RS 5078 (6)
CON. 5078.04 EMB. 4.8
4144
184

M 9668.15

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPERATURE		
AREA		
NO.		



STA 269+50 TO STA 271+00

20

Davies	47 hh	tg
FSP-030-0034-702-003		
M8668(5)		

95

174

DAVISS COUNTY BOARD OF EDUCATION

7

175

52

176

177

178

179

DAVISS COUNTY KENTUCKY

8

180

COUNTY	TRAIL	SHEET	TOTAL
DAVISS	751	47	180
		180	180

LT Sta 175+40 Const Sidewalk Ramp
TY 3 Condition No. 1

LT Sta 175+65 Const Sidewalk
Ramp TY 3 Condition No. 1

LT Sta 178+04 Const 40' Comm Ent

RT Sta 174+67 Const 16' Comm Ent
(No Pipe Required)

RT Sta 175+40 Const Sidewalk
Ramp TY 4

RT Sta 175+25 to RT Sta 178+75
Const 2' F.B. Surf Ditch

RT Sta 176+13 to RT Sta 179+50
Const 33" 8' Perforated Pipe
(See X Sections)

JAMES G. FRENCH

6

174+35 - 52' R/W SWL L&M P

177+70 - 52' R/W SWL L&M P

178+80 - 52' R/W SWL L&M P

179+15 - 52' R/W SWL L&M P

180+00 - 52' R/W SWL L&M P

SCALE: 1" = 20'

96

PLAN STA 174+00 TO STA 180+00

DAVISS COUNTY KENTUCKY

180

181

182

183

184

185

186

1 - Metal Bldg

LT Sta 183+40 Const 50' Comm. Eas

COMMONWEALTH OF KENTUCKY
DEPT. OF HUMAN RESOURCES

COUNTY	TOTAL	SHEET	TOTAL
OF	YEARS	NO.	SHEETS
DAVISS	47	1	197
M 8658 (5)			

PL 180+07.94
J-111 46' LT
C-030000 R
L-119 32'
R-11459.18'
E-0.82'
3d-NC

STA. 184+73-72 LT. PI.
FL. APPROX. 436.57

PLUG CASING PIPE
AND FORCE MAIN

ABANDON
90 LF - 8" STEEL
CASING (EXISTING)

FL. 437.2

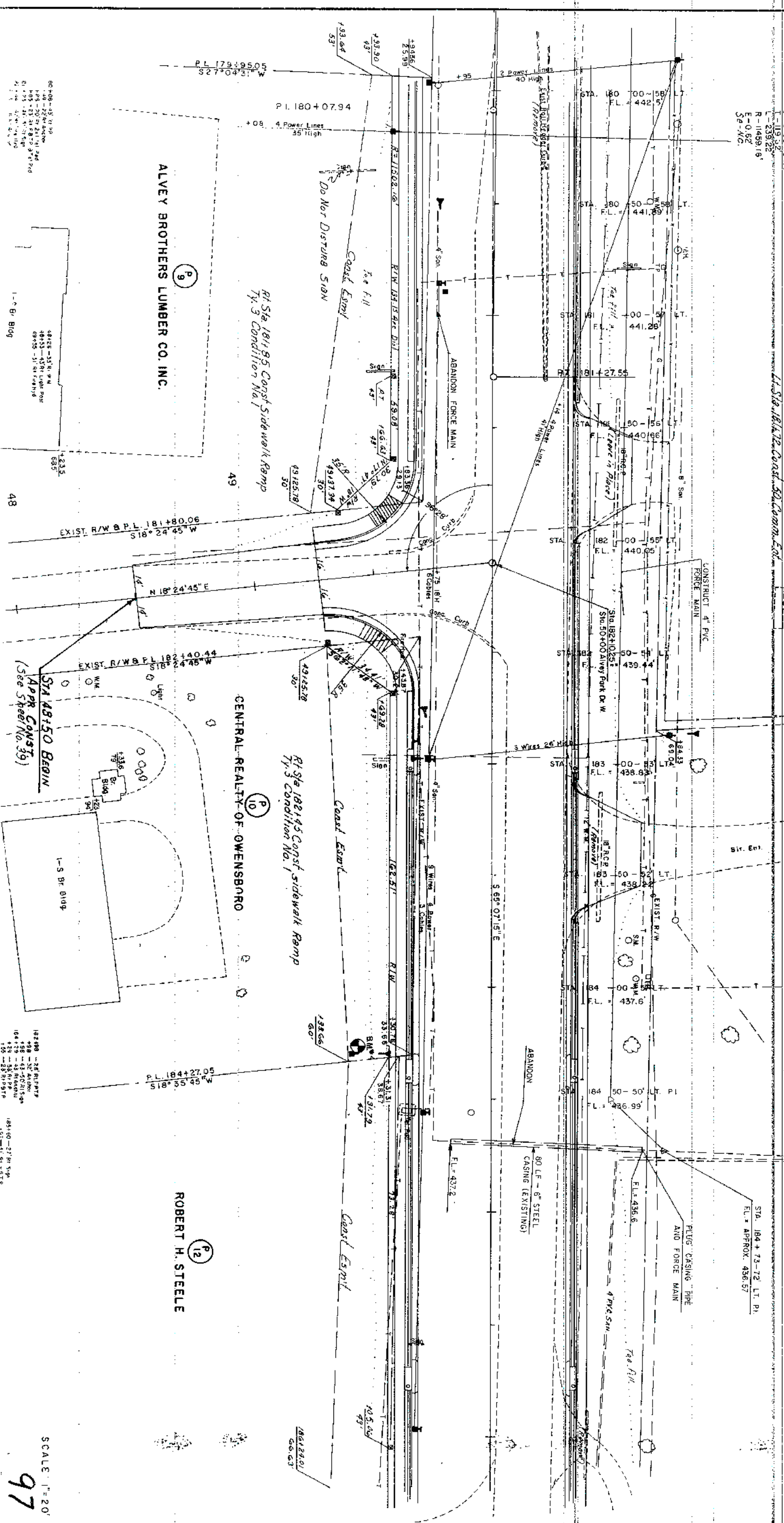
186+22.01
66.63'

ROBERT H. STEELE

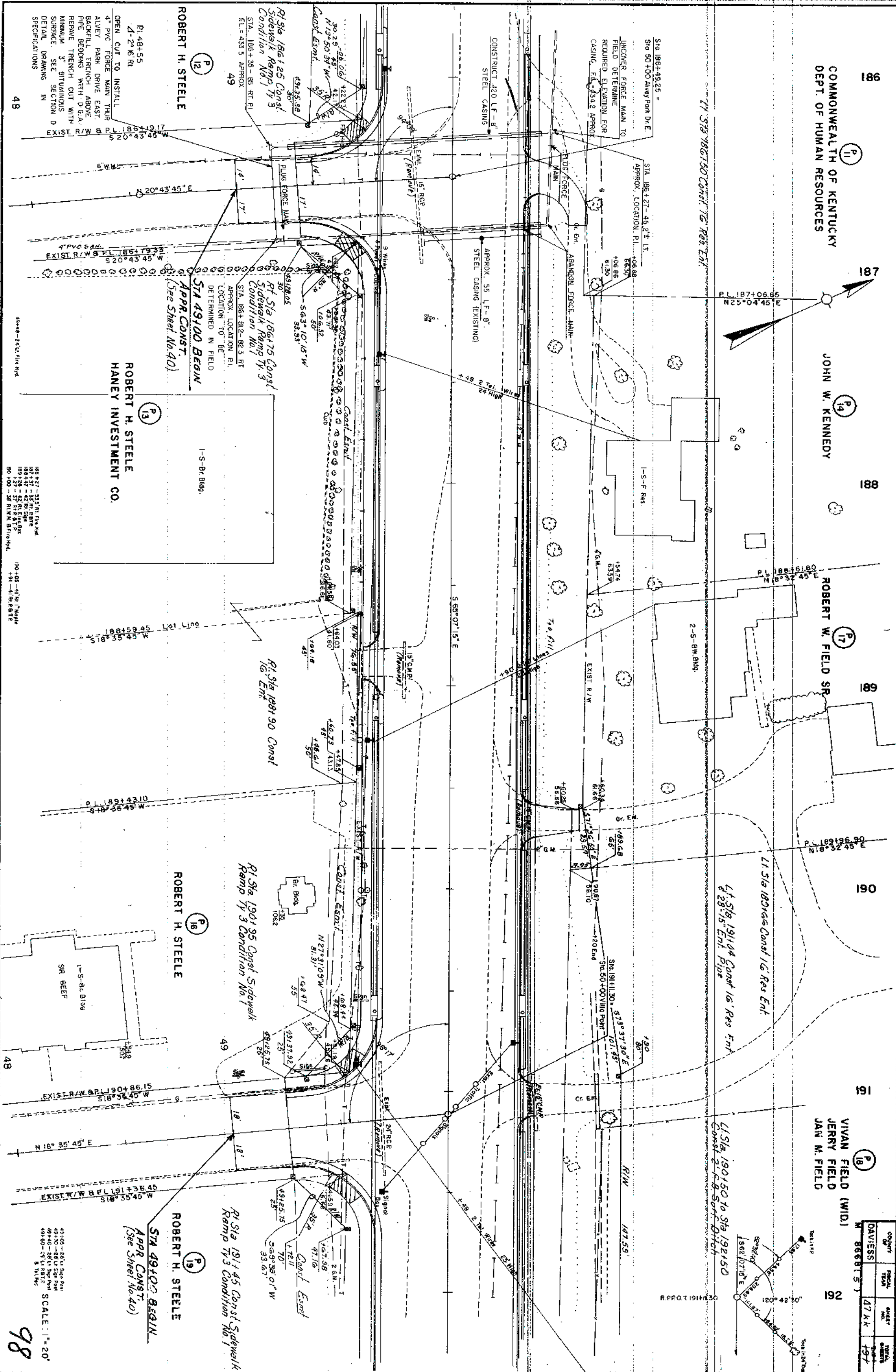
SCALE 1"=20'

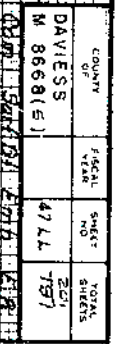
97

PLAN STA. 180+00 TO STA. 186+00



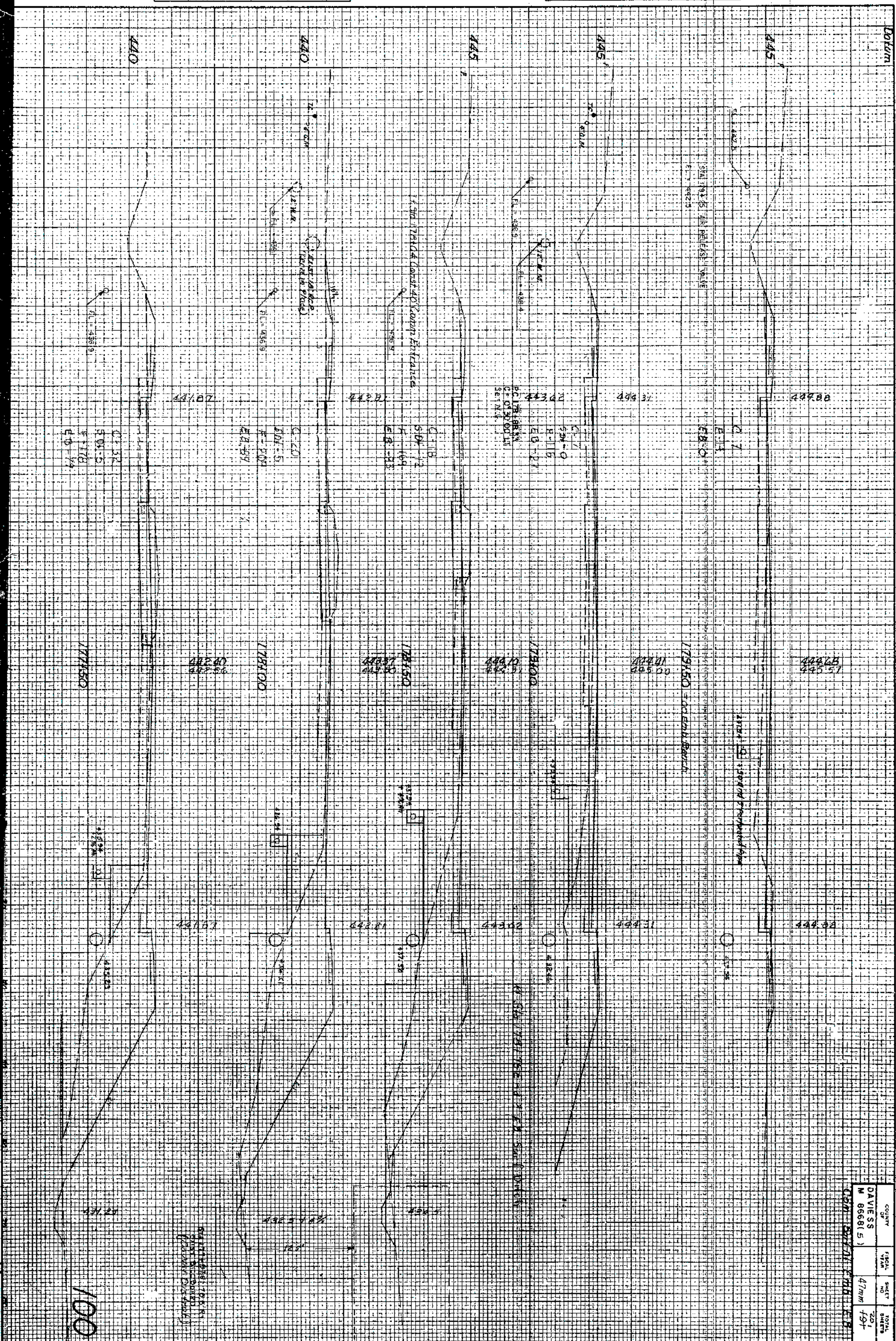
COUNTRY OR	FISCAL YEAR	GUEST NO.	TOTAL GUESTS
DAVISS		47 k k	197





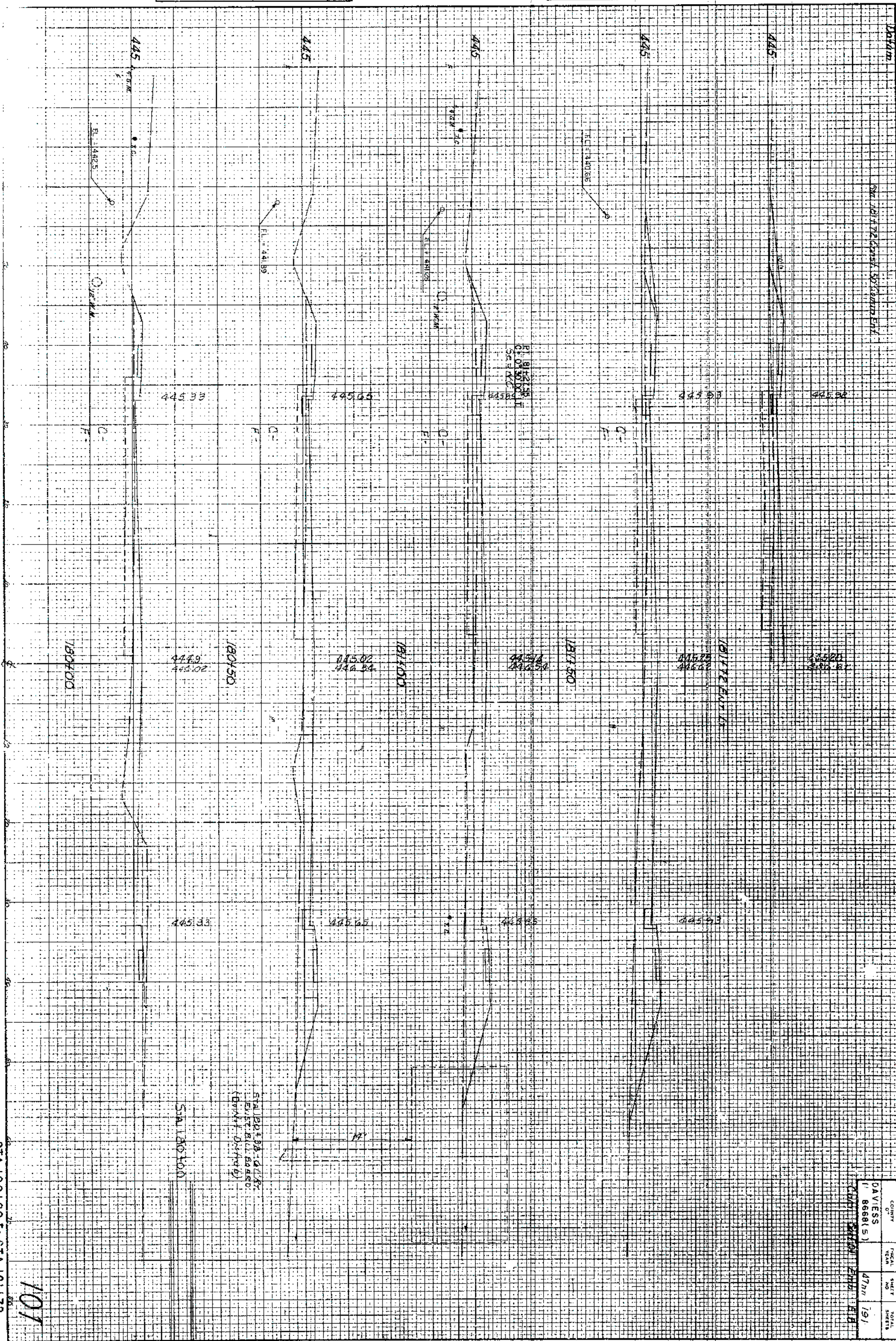
STA. 175+50 TO STA. 177+00

99

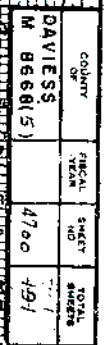


ORIGINAL SURVEY	DATE	BY	FILE
1. GENERAL			
2. SPECIAL			
3. TEMPORARY			
4. AMEND.			
5. OTHER			

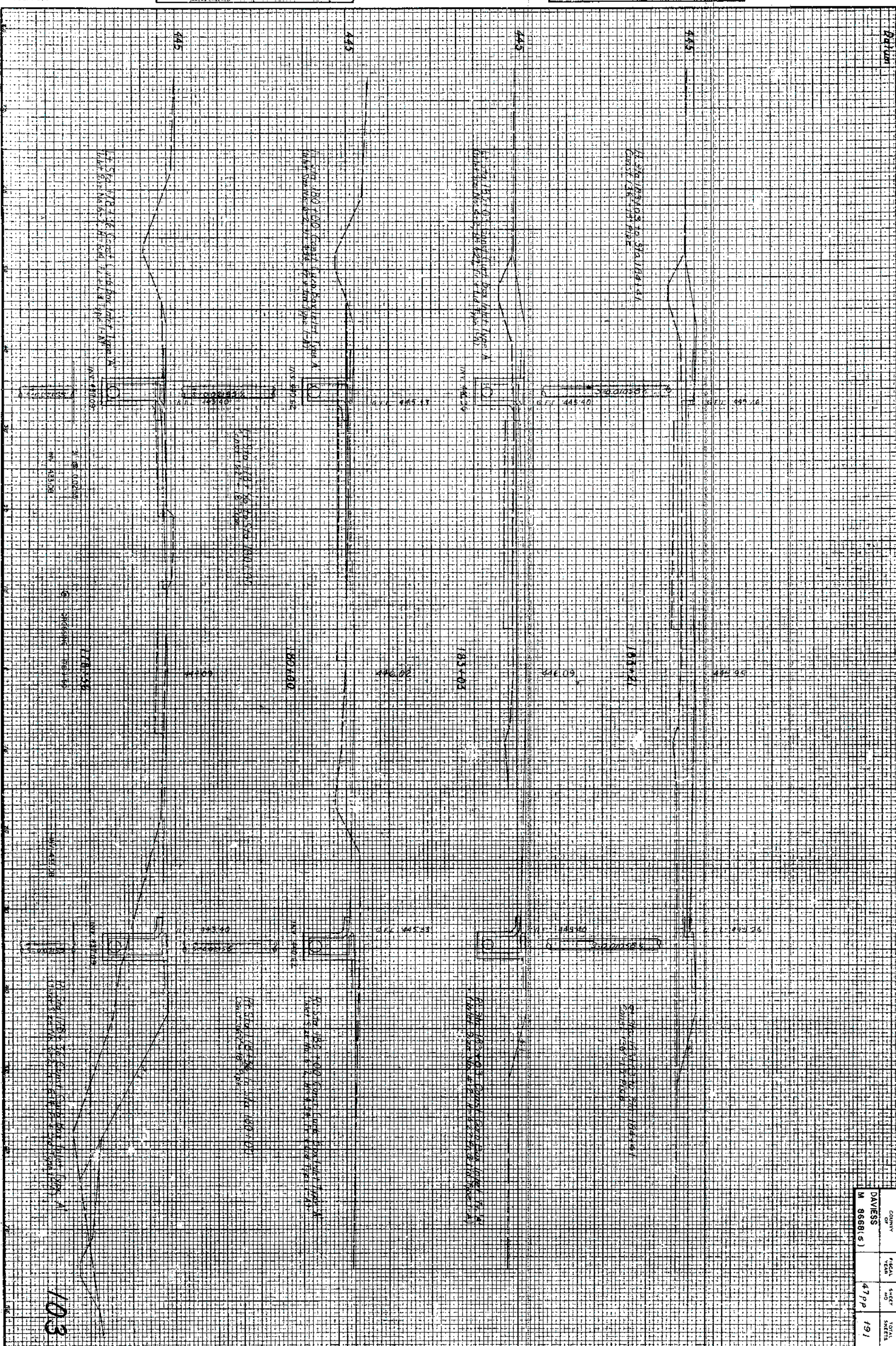
FINAL		BY	DATE
SURVEY	REVISED		
	MODIFIED		
NOTE BOOK	TEMPLATE		
	REAS		
NO	AREAS CHECKED		



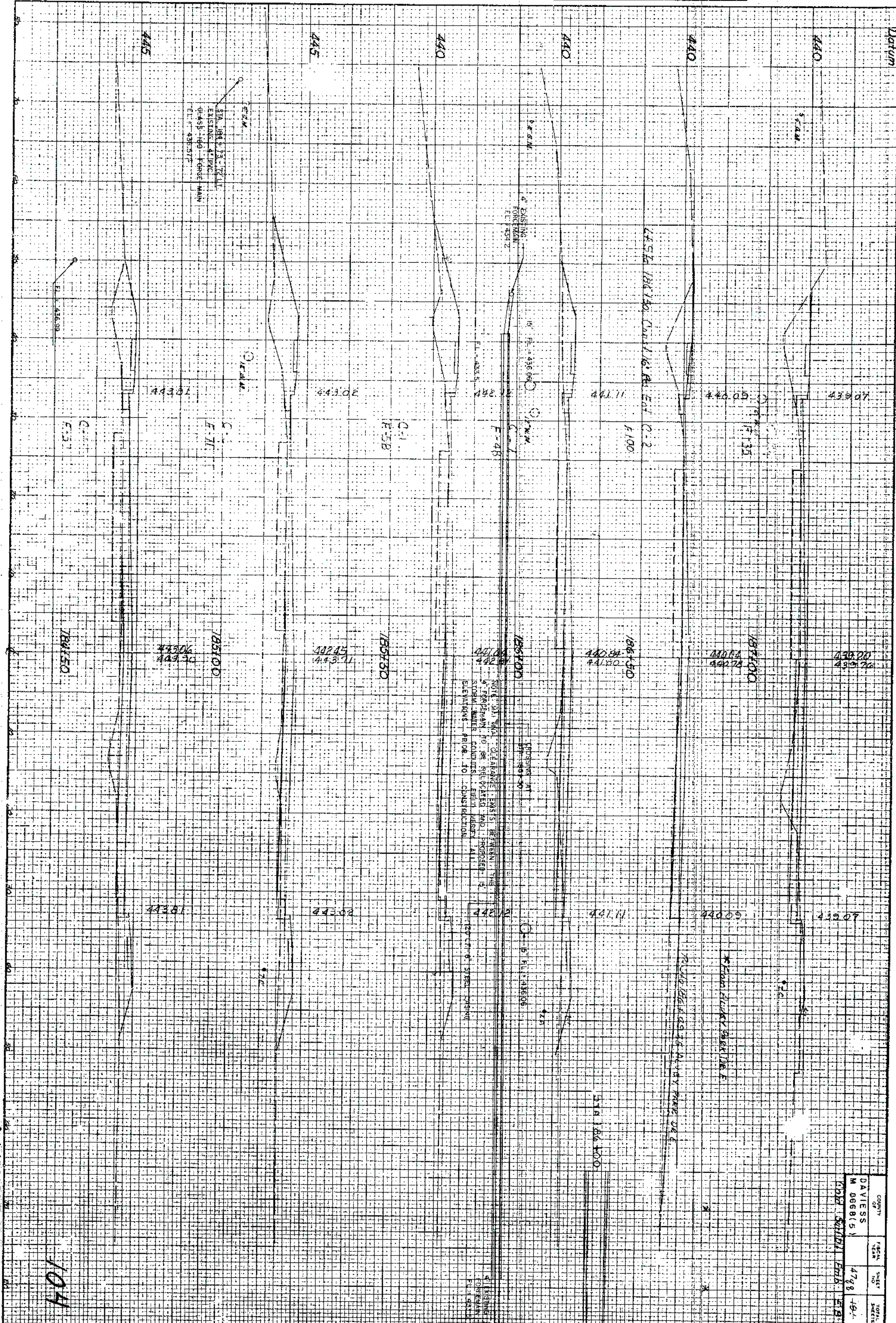
DAVISS	COMINT 07	F-HCAL VEAN	SHELT NO	TOTAL SHEETS
11 8668(5)		47mm	191	



102



COUNTY OF	FISCAL YEAR	SHEET NO	TOTAL SHEETS
DAVIESS		47pp	191
M 8668(s)			



COUNTY	TOWN	SHEET NO.	TOTAL SHEETS
DAVIES	M 066(5)	478	491

STA. 184+50 TO STA. 187+00

104

174

DAVESS COUNTY BOARD OF EDUCATION

(P)

175

52
50+00 - 24' R.C. EMBANKMENT
50+00 - 24' R.C. EMBANKMENT
50+00 - 24' R.C. EMBANKMENT
50+00 - 24' R.C. EMBANKMENT
50+00 - 24' R.C. EMBANKMENT

LT Sta 175+40 Const Sidewalk Ramp
Ty 3 Condition No 1

176

LT Sta 175+50 to Sta 179+50
Mill and Texture Exst P.W.
(Estimated @ 30 Tons)

177

178

179

DAVESS COUNTY KENTUCKY

(P)

180

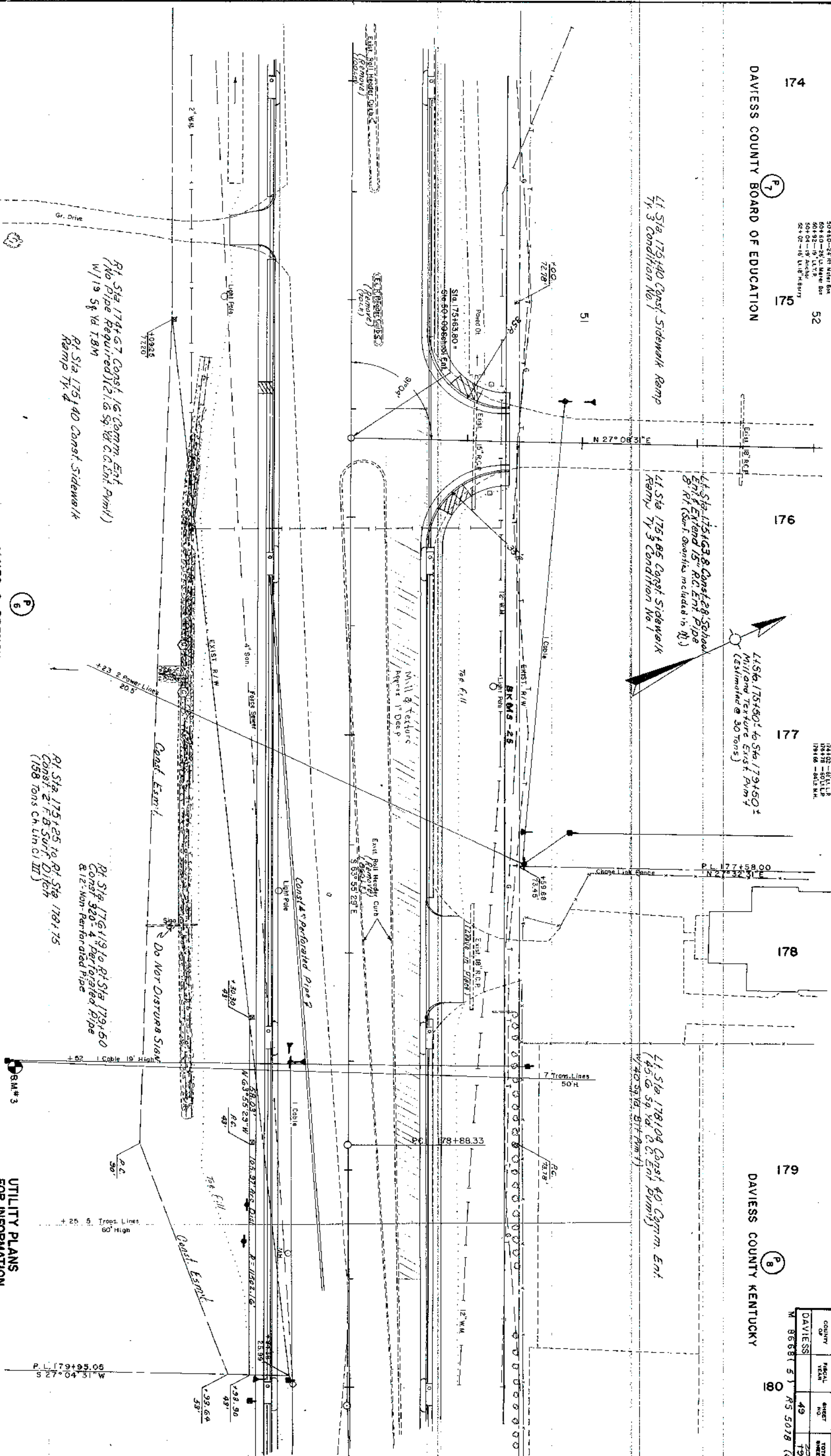
COUNTY	FISCAL	SHEET	TOTAL
DAVESS	1981	49	194
M 86681 51	R5 5078 (2)		

UTILITY PLANS
FOR INFORMATION
PURPOSES ONLY

SCALE: 1" = 20'

106

PLAN STA 174+00 TO STA 180+00



JAMES G. FRENCH

(P)

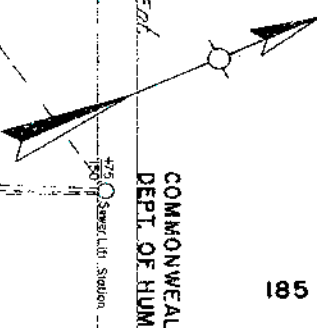
174+00 - 24' R.C. EMBANKMENT
177+00 - 24' R.C. EMBANKMENT
179+00 - 24' R.C. EMBANKMENT
179+00 - 24' R.C. EMBANKMENT
179+00 - 24' R.C. EMBANKMENT
179+00 - 24' R.C. EMBANKMENT
179+00 - 24' R.C. EMBANKMENT
179+00 - 24' R.C. EMBANKMENT
179+00 - 24' R.C. EMBANKMENT
179+00 - 24' R.C. EMBANKMENT

BM#3

186

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
DAVIESS		50	791

M. 8668 (5) RS 5078 (6)



UTILITY PLANS
FOR INFORMATION
PURPOSES ONLY

PLAN STA. 180+00 TO STA. 186+00

107

R.R.O.T 194-1130

Pt 872 101 + AS Project Sidawolk

⑤

APPR CONST.
(See Sheet No. 40)

BEQ
(40)

100

PLAN STA. 186+00 TO STA. 192+00

108

192

Lt Sta 194875 Prop 20' Ent
W/30'-48" Ent Pipe
(To be Constructed by Others)

ROGER DALE WILKERSON

Lt Sta 193100 Const 25' Comm. Ent
8.41'-48" Ent Pipe
(30.0' Sq Yd C.C. Ent Pymt.)
(W/139.39 Yd T.B.M.)

Lt Sta 192450 to Sta 194725 Const
Spec 4 F.B. Ditch (338 tons Ch. Lin. C.I.II)

C. CURTIS SIMPSON
NICHOLAS D. RINALDI

Lt Sta 194875 Const.
25' Comm. Ent (Use Ex. Pipe)
(30.0' Sq Yd C.C. Ent Pymt.)
(W/180.39 Yd T.B.M.)

Lt Sta 191400 to 19737 Const.
482'-4" Perforated Pipe 8.12'-4"
Non-Perforated Pipe

Lt Sta 193405 to Sta 195435
Const Spec 4 F.B. Ditch
(40 tons Ch. Lin. C.I.II)

EDWARD L. SWEAT
BARBARA G. SWEAT (WF)

Lt Sta 196135 to Sta 198100 Const
2 F.B. Surf Ditch (158.54 Yd Sod)

Lt Sta 197157 Const 16' Res
4.48'-48" Ent Pipe
(21.5 Sq Yd C.C. Ent Pymt.)
(W/47.59 Yd B.M. Pymt.)

COUNTY	TOTAL	SHEET	TOTAL
DAVIES	52	52	52
M 8668 (5) RS 5078 (6)			

VILLA POINT INC.

ROBERT H. STEELE
UTILITY PLANS
FOR INFORMATION
PURPOSES ONLY

QUALITY OIL CO. INC.

JOE A. HARPER
WANDA HARPER (WF)

Lt Sta 196400 to Sta 198400
Million Textured Exst. Pymt.
(Estimated @ 12 tons)

SCALE: 1"=20'

109

PLAN STA 192400 TO STA 198400

44 S4a 198400 to 54a 200400
 40N340020 to 50N340020
 (193 5q Yds 50a)

220

PAUL J. MCCARTY
MARION J. MCCARTY (W.F.)

5

EDWARD L. RICHARDS
LORETTA M. RICHARDS (WF)
BILLY JOE MILES
NANCY MILES (WF)

45

COUNTY OF	FISCAL YEAR	SHEET NO	TOTAL SHEETS
DAVIESS		53	254 +01

204

UTILITY PLANS
FOR INFORMATION
PURPOSES ONLY

JOE A. HARPER
WANDA HARPER (W.F.)

STA 46+50 BEGIN
APPR CONST.
(See Sheet No 40)

LILLIAN BRABANDT

STA 202+500
END M 8668
BEGIN

Rt Sta 202+50 to Sta 204+00
Const. 2' F B Surf, Ditch
(Bt 50 Yds. Good)

SCALE: 1"=20'

196+36=50' Rt. P.B.T.P.
196+49=51' Rt. Anchor
198+34=53' Rt. P.B.T.P.

49+37—82 Lt. Anchor
49+35—50 Lt. Evergreen
49+08—29 Lt. Anchor
48+41—25 Lt. T. P. 40

48

PLAN STA. 198+00 TO STA. 204+00

110

204

P
26

4th Sta 204+00 to Sta 207+45
Constr. 2' F.B. Surf. Ditch
(203 Sq Yd. Sod)

4 Sta 207451 Const 16' Res.
Ent. (No Pipe)
(21.6 Sq. Yd. C. Ent Permit)
(W/21 Sq. Yd. Bit Perm.)

J. P. RUSHER
MAGGIE RUSHER (W.F.)

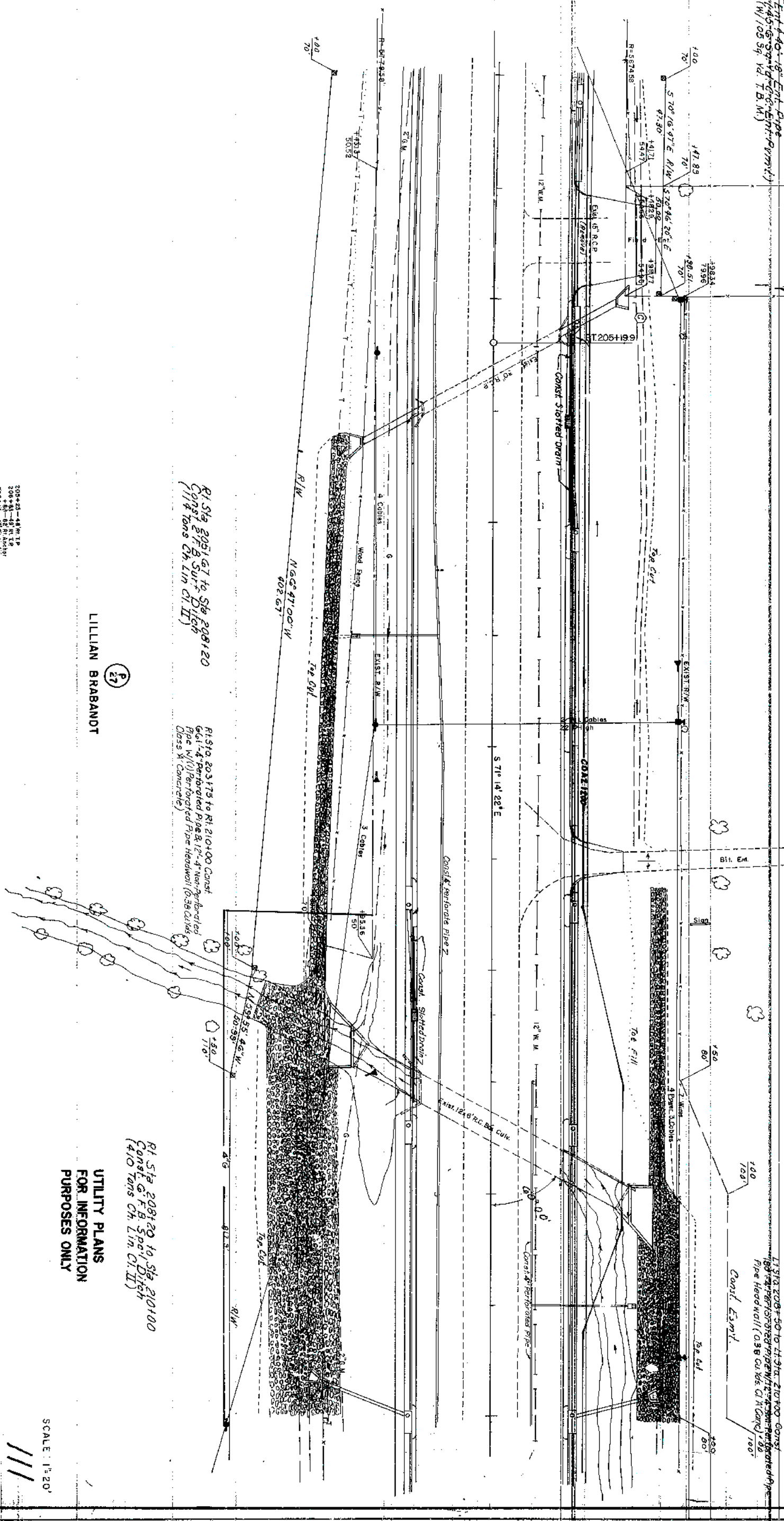
L1 Sta. 207+65 to Sta 209+00
Const. 2' F.B. Surf Ditch
(61 Tons Ch Lin. Cl. II)

47. Sta 209+00 to Sta 210+00
Const 2' F.B. 5' po 1 Ditch
(138 Tons Ch Lin. Ct. II)

210

COUNTY OF	FISCAL YEAR	SHEET NO	TOTAL SHEETS
DAVISS		54	197

RS 5078(6) M 8668(5)

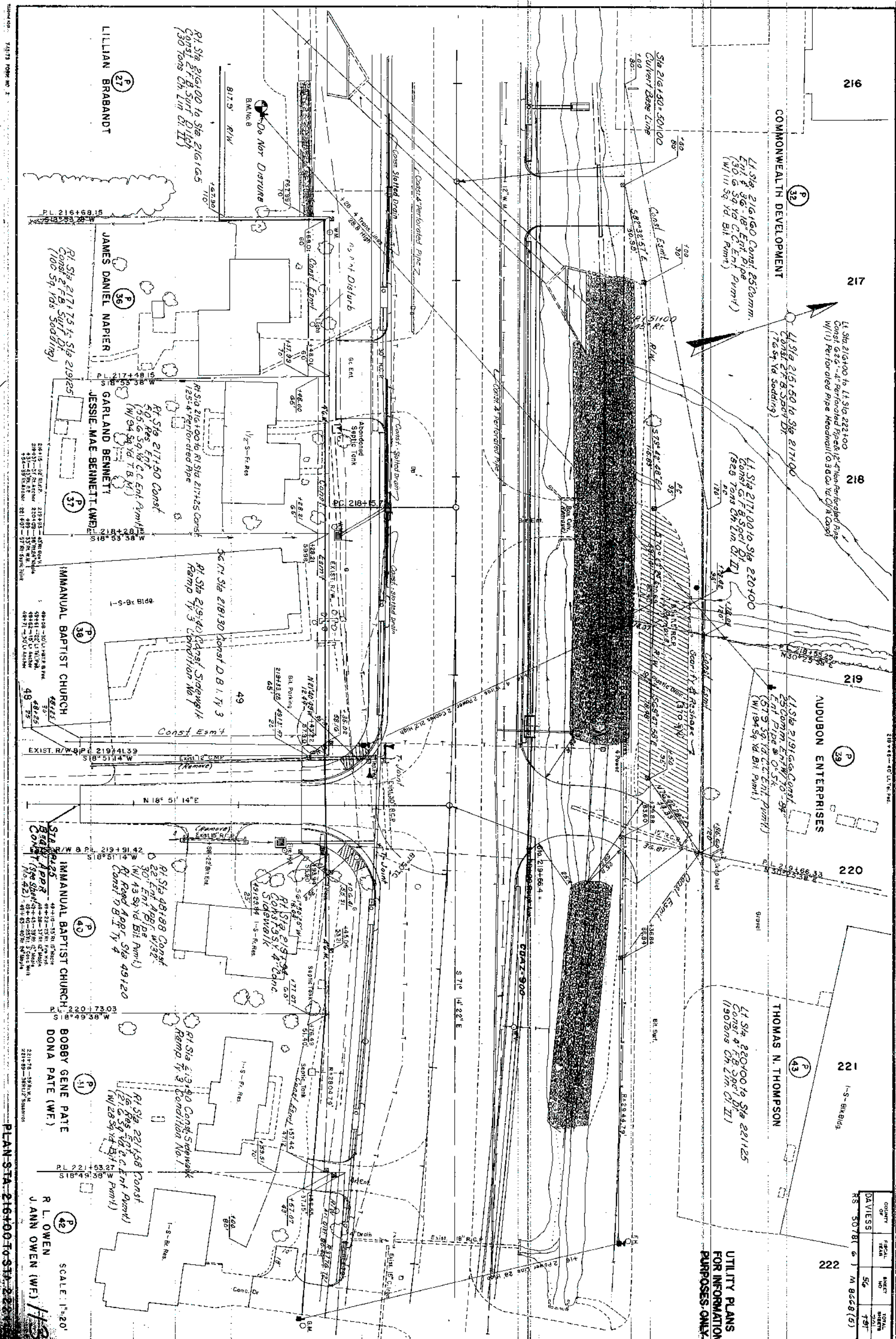


**UTILITY PLANS
FOR INFORMATION
PURPOSES ONLY**

SCALE: 1"=20'

PLAN STA. 204+0.0 TO STA. 210+0.0

RS 5078(6) M 8668(5)



222

THOMAS N. THOMPSON

223

LI Sta 222175 to LI Sta 225125
Const. 2" 6" 4" Perforated Pipe
w/ 12" 4" Non-Perforated Pipe
& (1) Handrail (0.74 Cu Yds. CMA
Comp.)

224

THOMPSON HOMES, INC.

225

226

52

227

228

THOMPSON HOMES, INC.

LI Sta 222135 Const. 3" 6" Comm. Ent.
(40' 6" Sq. Yd. C.C. Ent. Pmt.)
(W/ 100' Sq. Yd. C.C. Ent. Pmt.)

LI Sta 225176 Const. 16" Comm. Ent.
(21' 6" Sq. Yd. C.C. Ent. Pmt.)
(W/ 36' Sq. Yd. T.B.M.)

STA 227123.99 END
APPR CONST.
(See Sheet No. 41)

LI Sta 227100 Const. Sidewalk
Ramp 1/3 Condition No. 1

LI Sta 227180 Const.
Sidewalk Ramp 1/3
Condition No. 1

R. L. OWEN
J. ANN OWEN (WF)

MARY JANE OWEN (WID)

F. W. HENNESSEE (DEC.)
ANNAL H. HENNESSEE (WF)

UTILITY PLANS
FOR INFORMATION
PURPOSES ONLY

PI Sta 224100 to Sta 228100
Const. 2" 6" 4" Ditch
(14.5 Tons Ch. Lim. C.H.I.)

PI Sta 227107 Const. 16" Res.
Ent. w/ 28' 18" Ent. Pipe
(21' 6" Sq. Yd. C.C. Ent. Pmt.)
(W/ 48' Sq. Yd. T.B.M.)

PI 227120.30
A-28' 38" 47" R1
C-12' 30" 00"
L-30' 04" 58"
L-17' 08" 45"
R-36' 19" 72"
E-108' 65"
Sta 227120.30
Runoff III

SCALE: 1"=20'

PLAN STA 222+00 TO STA 228+00

COUNTY	TAXID	SHEET	TOTAL
DAVIESS	57	57	497
RS	50781 (6)	M 8468 (5)	

228

THOMPSON HOMES INC.

229

230

231

232

233

234

COUNTY OF	TOTAL	SHEET NO.	TOTAL SHEETS
DAVIESS	58	58	107
RS 50781 (6) M 8668 (5)			

BILL RICHESON

REFORMED PRESBYTERIAN CHURCH
OF OWENSBORO INC.

LI STA 229+50 Const 16' Ent
R 26'-30' Ent Pipe
(21' G 59' Yd C.C. Ent Pipe)
(W/ 60' 59' Yd T.B.M.)

LI STA 229+75 LI 232+25 Const
342' F. Perforated Pipe 112'-4' High
Perforated Pipe 8' (1) Perforated Pipe
Headwall (0.56 Cu Yds C.C. Conc.)

LI STA 229+00 to STA 231+76
Const 2 F.B. Surface Ditch
(11' x 24" Ch. 21' C.I. II)

LI STA 232+65 Const 16' Comm. Ent.
R 23'-18' Ent Pipe
(21' G 59' Yd C.C. Ent Pipe)
(W/ 60' 59' Yd T.B.M.)

LI STA 232+50 to Sta 234+00 Const
2 F.B. Spec Ditch 15' 6" x 15' 6" Ch. 11' C.I. II

F. W. HENNESSEE

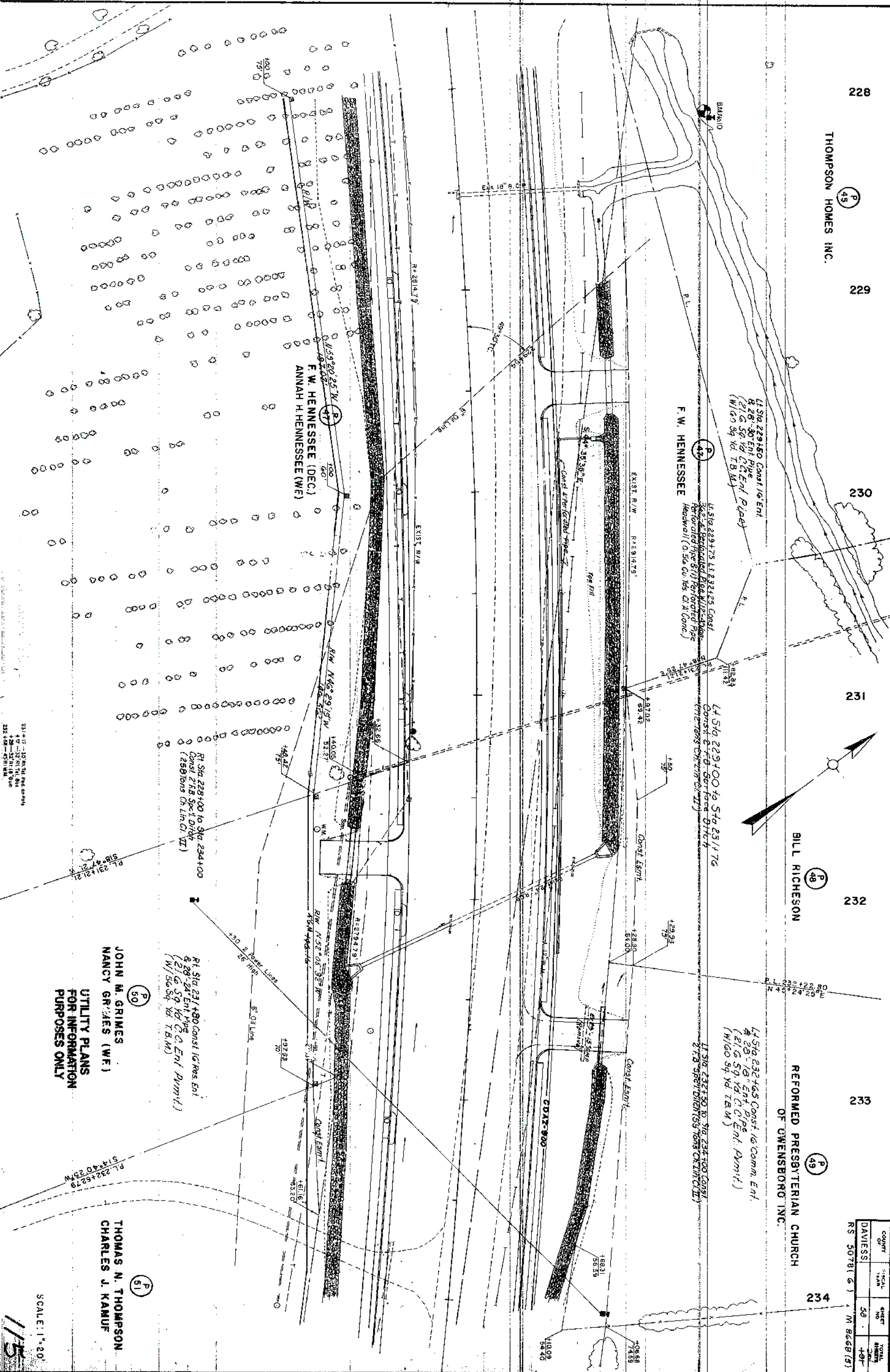
F. W. HENNESSEE (DEC.)
ANNAH H. HENNESSEE (WF)

JOHN M. GRIMES
NANCY GRIMES (WF)

THOMAS N. THOMPSON
CHARLES J. KANUF

UTILITY PLANS
FOR INFORMATION
PURPOSES ONLY

SCALE: 1"=20'



PLAN STA 228+00 TO STA 234+00

234

REFORMED PRESBYTERIAN CHURCH
OF OWENSBORO INC.

235

Lt Sta 236+78.4 Const
Side Cut for 31' Street Appr.
w/16' Ent to P 55
(Prop St to be constructed by others)
See Sheet No. 47
(w/ 172.59' Rd. T.B.M.)

236

Lt Sta 234+00 to Sta 236+38
Const 2' F.B. Spec'l Ditch
(107 Tons Ch. Lin. Cl. II)

Lt Sta 236+50 Const Sidewalk
Ramp Ty 3 Condition No. 1
Sta 236+77.65 =
Sta 30100 Woodlands
Trace

234+00 - 50' L.R. 6.10
234+00 - 50' L.R. 6.10
103 - 20' L.R. 6.10

PL 236+53.40
N 45° 24' 25" E

PROPOSED STREET

237

Lt Sta 237+05 Const Sidewalk Ramp
Ty 3 Condition No. 1

238

HENRY C. SMITH
CATHERINE D. SMITH (WF)

239

Lt Sta 237+15 to Sta 240+00
Const 2' F.B. Spec'l Ditch
(128 Tons Ch. Lin. Cl. II)

240

COUNTY	SHEET	DATE	BY
DAVIES	59	197	
RS 50781 (6)	M 8668 (5)		

SCALE: 1"=20'

UTILITY PLANS
FOR INFORMATION
PURPOSES ONLY

THOMAS N. THOMPSON
CHARLES J. KAMUF

Rt Sta 234+00 to Sta 236+35 Const
2' F.B. Spec'l Ditch Cl. II
(106 Tons Ch. Lin. Cl. II)
Rt Sta 236+40 Const Sidewalk
Ramp Ty 3 Condition No. 1

Rt Sta 237+05 Const Sidewalk
Ramp Ty 3 Condition No. 1
Sta 236+78.4 =
Sta 30100 Prop Street

Rt Sta 237+20 to Sta 238+50
Const 2' F.B. Spec'l Ditch
(59 Tons Ch. Lin. Cl. II)

PLAN STA. 234+00 TO STA. 240+00

7/13/53 FORM NO. 2

246

2-S-Ft. Res.

HELEN PURDY (WID.)

247

P.L. 246+97.90
N 47° 55' 25" E

ROBERT M. PURDY

248

1-S-Ft. Res.

249

P.L. 249+35.49
N 44° 00' 25" E

HELEN PURDY (WID.)

250

P.L. 249+85.50
N 44° 00' 25" E

251

JOHN PURDY

252

COUNTY	TOWNSHIP	SHEET NO.	TOTAL SHEETS
DAVIESS		61	197
RS 5078 (2) M 8268 (5)			

Lt. Sta. 246+02 Const. 16' Res. Ent.
(21.6 Sq. Yd. C.G. Ent. Punt)
(W/20.54 Yd. T.B.M.)

Lt. Sta. 246+00 to Sta. 247+50
Const. 2' P.B. Surf. Ditch
(81.54 Yd. 500')

Lt. Sta. 249+00.5 Const. 30' Comm. Ent.
(38.16 Sq. Yd. C.G. Ent. Punt)
(W/33.84 Yd. T.B.M.)

Do Not Remove Tree

Const. Ent.

Do Not Disturb Fence

Const. Ent.

EXIST. R/W

Field Ent.

Const. Ent.

Approx. 1" Deep
Soil & Texture

11 3/4" Wires
25' High

Sta. 247+50 to Sta. 248+50
Mill and Texture Exst. Punt
(Estimated @ 15 tons)

G. WALLACE THACKER
RACHEL THACKER
GEORGE THACKER

Rt. Sta. 251+70 Const. 16' Res. Ent.
(21.6 Sq. Yd. C.G. Ent. Punt)
(W/54.34 Yd. T.B.M.)

UTILITY PLANS
FOR INFORMATION
PURPOSES ONLY

SCALE: 1"=20'

B.M. 113

PLAN STA. 246+00 TO STA. 252+00

249713-47 R.P.P.
201+85-19 W.P.P.

252

JOHN PURDY
P 61

253

PL 253+29.30
N 38° 05' 25" E

254

51

255

EASTGATE DEVELOPMENT CO.

P 62
256

257

COUNTY OF	TOTAL FEET	SUBCT NO.	TOTAL SILL
DAVIESS		62	184
RS 5078 (6) M 86.68 (5)			

28

Lt Sta. 253125 to Sta 254175 Const
2 F.B. Surf Ditch (100 Sq Yds Sod)

Lt Sta. 254182 Const
Sidewalk Ramp Ty 3
Condition No. 50

Lt Sta. 255142 Const Sidewalk
Ramp Ty 3 Condition No. 1

Lt Sta. 255150 to Sta 256100 Const
2 F.B. Surf Ditch (167 Sq Yds Sod)

STA 255+12.90 =
GATEWAY STA. 50+00

Rt Sta 252+25 to Rt Sta 255+75 Const
36" 4" Perforated Pipe & 12" 4" Non-Perforated Pipe
(0.63 Cu Yds C.I.A. Conc.)

G. WALLACE THACKER
RACHEL THACKER
GEORGE THACKER

UTILITY PLANS
FOR INFORMATION
PURPOSES ONLY

SCALE: 1" = 20'

119

PLAN STA. 252+00 TO STA. 256+00

258

259

260

261

262

263

264

EASTGATE DEVELOPMENT CO.

UTILITY PLANS
FOR INFORMATION
PURPOSES ONLY

COUNTY	TAX MAP NO.	SHEET NO.	TOTAL SHEETS
DAVIESS	63	120	120

RS, 50781 (6) M 8660 (5)

LI STA 258+00 TO STA 259+00 Const
2" Perforated Pipe (1) Perforated Pipe Headwall
(0.38 cu yds. C.I.A. Conc.)

LI STA 260+50 TO LI 262+75 Const 30" 4" Perforated Pipe
312" 4" Non-Perforated Pipe W/ (1) Perforated Pipe Headwall
(0.38 cu yds. C.I.A. Conc.)

J. M. BUNCH
JONELL BUNCH (WF)

G. WALLACE THACKER
RACHEL THACKER
GEORGE THACKER

JENNIE V. GOOD (DEC.)
THOMAS LOY TOON (SON)

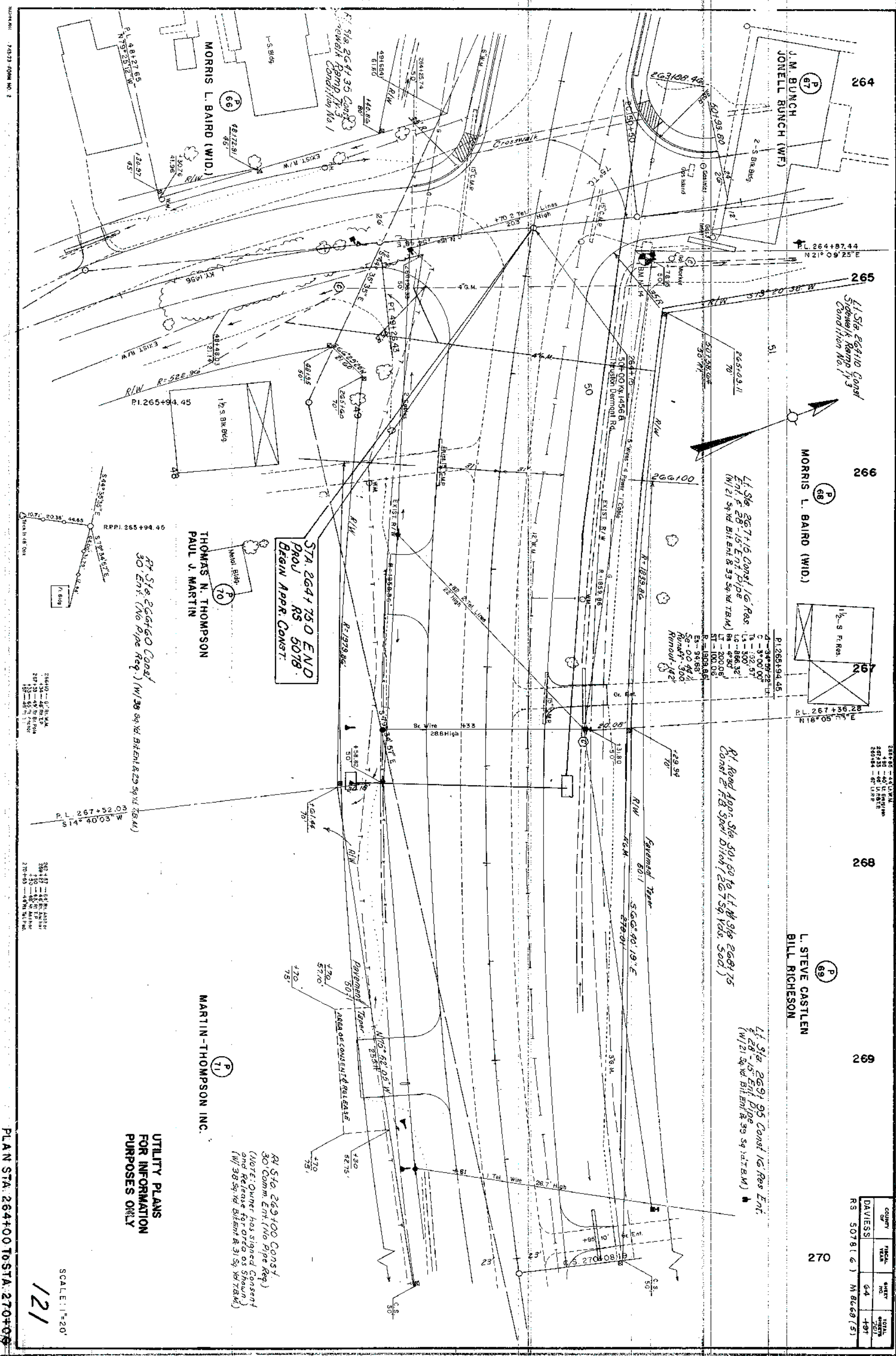
JAMES L. WILKINS
LETTIE LOU WILKINS (WF)

SUE GAYLE F. JOHNSON

MORRIS L. BAIRD (WID.)

OBSERVE CLOSELY DURING OPEN IN SITUATION
ADJUSTMENT MAY BE REQUIRED

SCALE: 1"=20'



270

271

272

273

274

275

L. STEVE CASTLEN
BILL RICHESON

THOMAS A. HERMANN
MARGARET W. HERMANN (WF)

WILLIAM L. JONES
CHARLOTTE JONES (WF)

DATE	BY	REVISION	TOTAL
DAVIES	65	101	
RS 30781 (6)	M 8668 (5)		

LT Sta 273+78 Const 16' Res.
Ent 28-15 Ent Pipe
(W/ 21 54 Yd. Bt. Ent. & 24 54 Yd. T.B.M.)

LT Sta 275+01 Const 16' Res.
Ent 28-15 Ent Pipe
(W/ 21 54 Yd. Bt. Ent. & 15 54 Yd. T.B.M.)

STA 276+00 END
APPR. CONST.

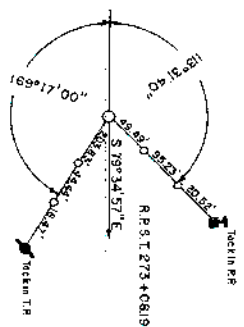
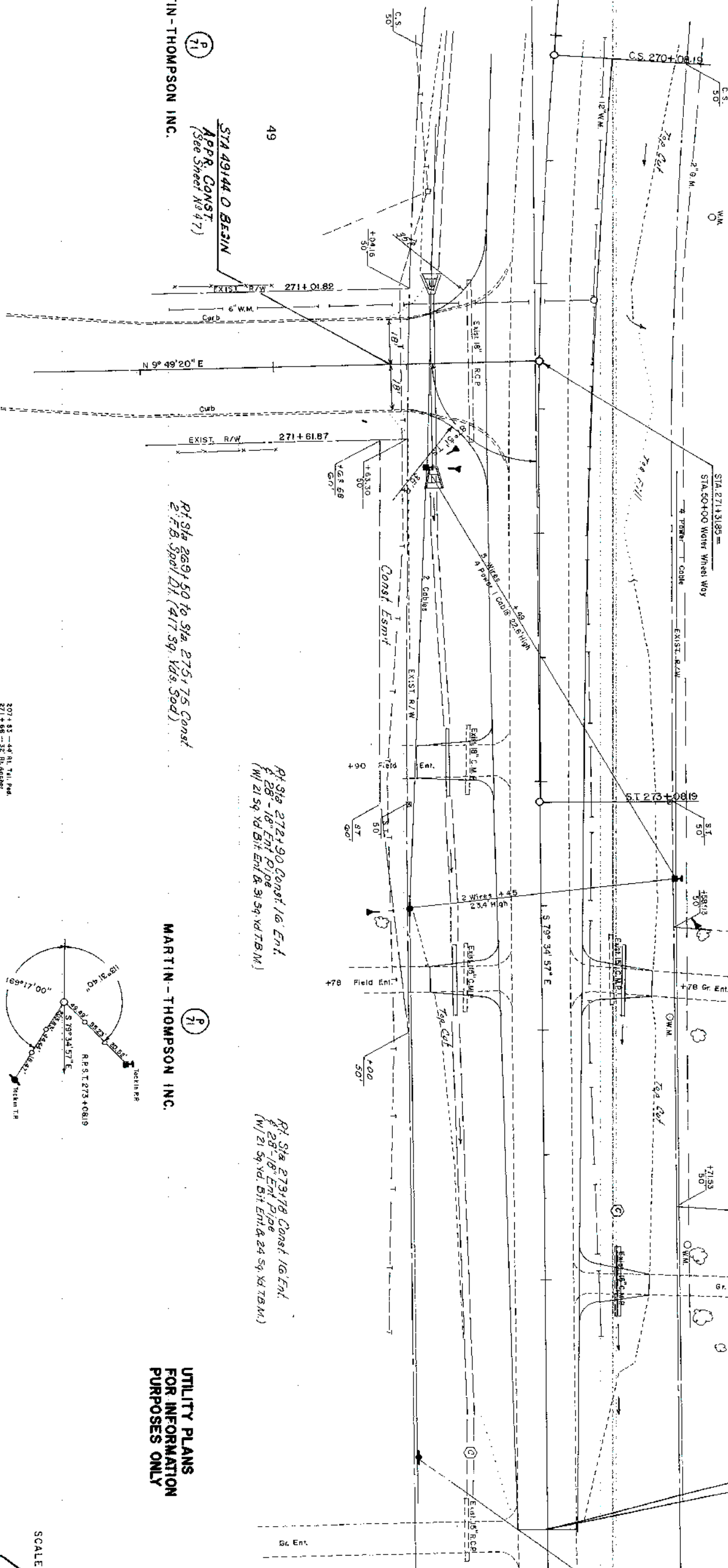
STA 491+44 O BEGIN
APPR. CONST.
(See Sheet No 47)

MARTIN-THOMPSON INC.

UTILITY PLANS
FOR INFORMATION
PURPOSES ONLY

RT Sta 272+90 Const 16' Ent.
28-18 Ent Pipe
(W/ 21 54 Yd. Bt. Ent. & 31 54 Yd. T.B.M.)

RT Sta 273+78 Const 16' Ent.
28-18 Ent Pipe
(W/ 21 54 Yd. Bt. Ent. & 24 54 Yd. T.B.M.)



51

50

49

48

47

46

45



COUNTY	TOWN	SHEET NO.	TOTAL SHEETS
DAVIESS	67	194	

RS 507E(6) M 8668 (5)

PL 47+91.16
4-27.35 RI
C-10'00'00"
T-140.75
E-170.3
St. R.C.
Runoff - See X-Scal
Runoff - See X-Scal

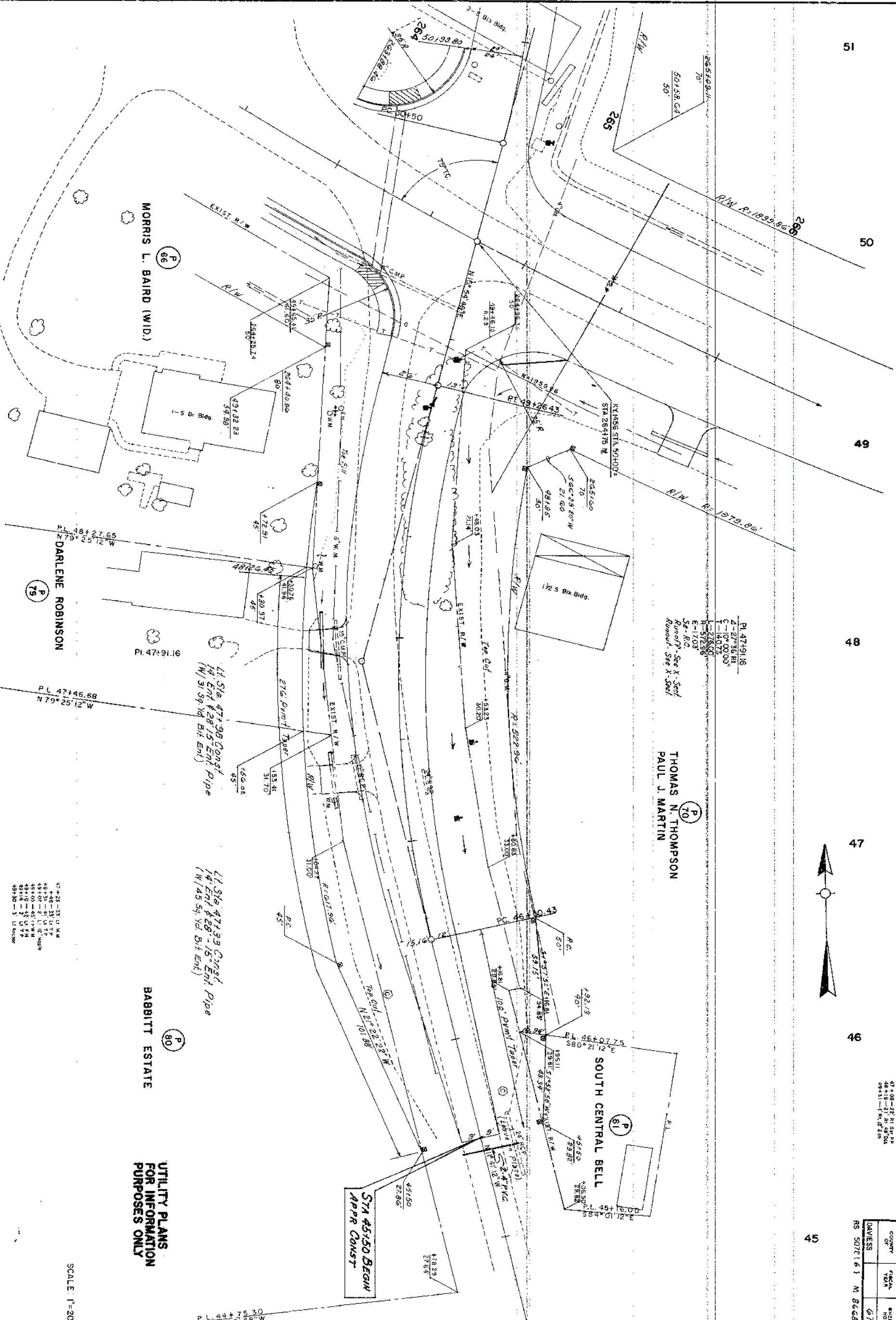
THOMAS N. THOMPSON
PAUL J. MARTIN

SOUTH CENTRAL BELL

STA 45+50 BEGIN
APPR CONST

UTILITY PLANS
FOR INFORMATION
PURPOSES ONLY

SCALE: 1"=20'

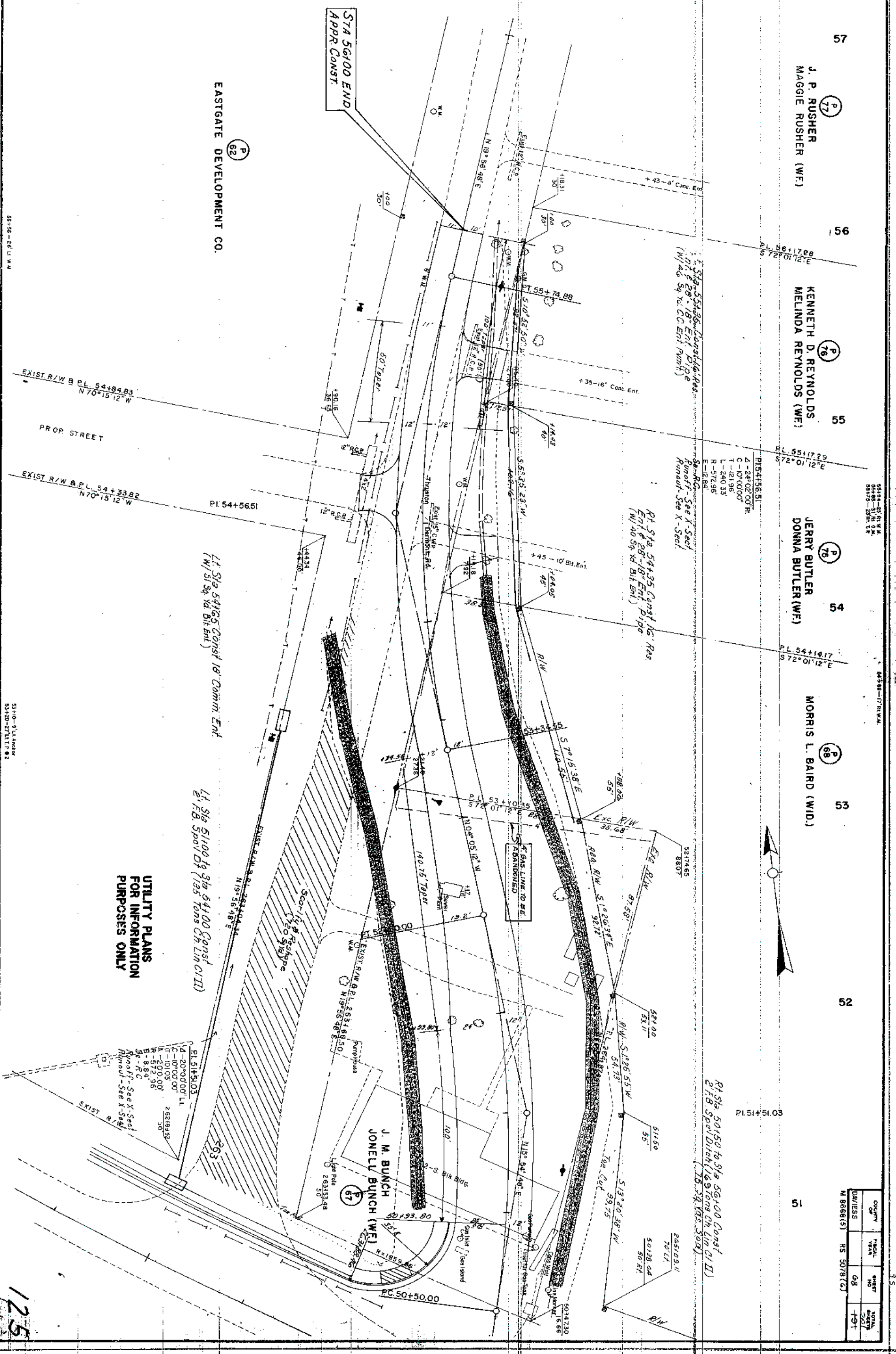


KY 1466 RD. APPR. RT. STA 264+75

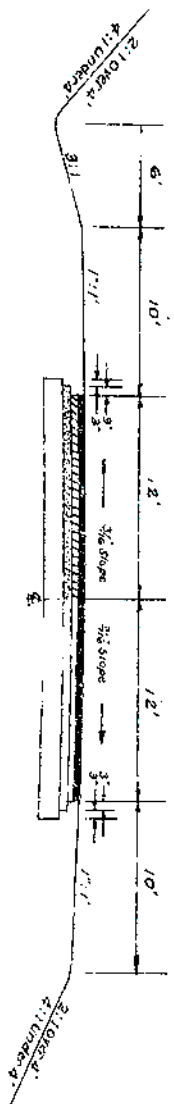
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COUNTY OF	FISCAL YEAR	SHEET NO	TOTAL SHEETS
DAVIESS		68	191

M 8666(5) RS 5078(2)



TYPICAL SECTIONS



NEW CONSTRUCTION: Grade, Drain & Surface

USING

BITUMINOUS CONCRETE SURFACE CLASS I
DENSE GRADED AGGREGATE BASE

STA. 74+00 TO STA. 170+50 Owensboro - Dermont

- 1" Base — 3" Compacted Dense Graded Aggregate Base.
- Prime (Track) — 3" Bituminous Concrete Base.
- 1 1/2" Binder — 0.10 Gallon per Sq. Yd. Emulsified Asphalt RS-1. Apply by fogging.
- Prime (Track) — 3" Bituminous Concrete Binder.
- 1 1/4" Surface — 0.10 Gallon per Sq. Yd. Emulsified Asphalt RS-1. Apply by fogging.
- 1 1/4" Surface — Bituminous Concrete Surface Type B.

NEW CONSTRUCTION: Grade, Drain & Surface

USING

BITUMINOUS CONCRETE SURFACE CLASS I
DENSE GRADED AGGREGATE BASE

STA. 170+50 TO STA. 689+00 Dermont-Whitesville

- 9" Base — 6" Compacted Dense Graded Aggregate Base.
- Prime (Track) — 0.10 Gallon per Sq. Yd. Emulsified Asphalt RS-1. Apply by fogging.
- 1 1/2" Binder — Bituminous Concrete Binder.
- Prime (Track) — 0.10 Gallon per Sq. Yd. Emulsified Asphalt RS-1. Apply by fogging.
- 1 1/4" Surface — Bituminous Concrete Surface Type B.

All Dense Graded Aggregate shall be plant mixed and constructed in the number of courses necessary to obtain the required density.

Prime (Track) between Base and Binder and between Binder and Surface to be used only if directed on construction. Asphalt cement PAC-5 shall be used in all Class I mixtures. Fine aggregate used in Class I bituminous concrete mixtures that are to be used for a riding surface shall be natural sand. Fine aggregate used in Class I bituminous concrete mixtures for other courses shall be natural sand or crushed limestone sand.

Where the center line grade is less than 0.5%, special ditches shall be constructed to a minimum grade of 0.50% (preferably to a grade of approximately 1.00%) as directed by the Engineer on construction.

GENERAL NOTES

All curves to be banked and widened according to Standards or as directed. Super-elevation for special cases to be authorized by the Area Engineer.

The Contractor is not to order material for drainage structures until the quantities have been checked by the Engineer.

For typical section in solid rock cuts, see Standard Drawings on Sheet No. 106. of these plans.

Drawings for standard warning signs for the protection of traffic will be furnished by the Area Engineer.

Extra compaction in conformity with Art. 2.5.3-D-2 of the Department's 1956 Standard Specifications will be required throughout the project (inclusive of final line striping to the 603.196).

The Contractor shall use all possible care in excavating on this project so as not to disturb any existing pipe lines whether shown on the plans or not shown on the plans. Elevations and locations of existing pipes are approximate only. Any pipe disturbed or damaged by the Contractor, through carelessness during his construction operations, shall be replaced by the Contractor at no extra cost to the Department.

Borrow material shall be obtained off the right-of-way from sites acquired by the Contractor and approved by the Engineer, at no expense to the Department. All such material shall weigh not less than 98 pounds per cubic foot dry weight Standard Proctor Density, and shall be capable of being compacted to the specified extra compaction density (Art. 2.5.3-D-2). In addition, material that is to be used in the top 12" of sub-grade shall have a C.B.R. of 8.2 or greater. No direct payment will be allowed for overhaul of borrow material.

The Standard Specifications for Road and Bridge Construction, Edition of 1956, with the following provisions, special specifications and Amendments will apply on this project:

Emergency Provision No. 13 - Derment or cancellation.

Erosion Control Notes.

The road may be closed to through traffic.

Required Provisions - Federal Aid Contracts - Secondary Highways

Waste material in excess of that wasted as directed by the Engineer within the right-of-way limits, shall be disposed of off the right-of-way at sites acquired by the Contractor and approved by the Engineer, at no additional cost to the Department. No direct payment will be allowed for overhaul of waste material.

Special Provisions for Seed Germination Test.

Unutilized waste material resulting from slides shall either be wasted within the right-of-way limits as directed by the Engineer, or disposed of off the right-of-way at sites acquired by the Engineer. Payment for necessary overhaul of this material will be allowed.

All buildings within the right-of-way limits on this project are to be removed by others provided, however, that any remaining foundations or debris shall be removed by the Contractor. Payment for this work shall be included in the unit price bid per acre for clearing and grubbing.

Amendment No. 1: Mulching Material

Amendment No. 2: Fine Aggregates - Use Limitations

Amendment No. 3: Dense Graded Aggregate Base

Amendment No. 4: Bituminous Plants - Tester for Dry

Amendment No. 5: Field Pointing Guard Rail Posts

Amendment No. 6: Guard Rail Posts

Amendment No. 7: Pipe Culverts

Amendment No. 8: Culvert Pipe

Amendment No. 9: Agricultural Limestone

Amendment No. 10: Steel Reinforcement

Amendment No. 11: Removal of existing items that fall within the limits of the roadway, sections shall be included in the unit price bid per cubic yard for existing excavation in conformity with Article 2.3.0 of the Department's 1956 Standard Specifications.

SURFACING QUANTITIES

BITUMINOUS CONCRETE SURFACE CLASS I
DENSE GRADED AGGREGATE

ITEM	UNIT	QUANTITY
Dense Graded Aggregate Base	TON	69445
Bituminous Concrete Base	TON	25625
Emulsified Asphalt RS-1 Prime (Track)	GAL.	32710
Bituminous Concrete Binder	TON	11925
Bituminous Concrete Surface Type B	TON	10220
Crushed Limestone Size 10 for Entrance of Wall Turnouts	TON	5710
Crushed Limestone Size 10 for Maintenance of Traffic	TON	1200

Includes sufficient material for surfacing Entrances and County Road approaches in conformity with the following designs:

FOR ENTRANCE: 1" Base - 3" Compacted Dense Graded Aggregate Base. 1 1/2" Binder - 0.10 Gallon per Sq. Yd. Emulsified Asphalt RS-1 Apply by fogging. 1 1/4" Surface - 0.10 Gallon per Sq. Yd. Emulsified Asphalt RS-1 Apply by fogging. 1 1/4" Surface - Bituminous Concrete Surface Type B.

FOR COUNTY ROAD: 1" Base - 3" Compacted Dense Graded Aggregate Base. 1 1/2" Binder - 0.10 Gallon per Sq. Yd. Emulsified Asphalt RS-1 Apply by fogging. 1 1/4" Surface - 0.10 Gallon per Sq. Yd. Emulsified Asphalt RS-1 Apply by fogging. 1 1/4" Surface - Bituminous Concrete Surface Type B.

FOR SURFACING

ITEM	LINE FT.	50 YDS.	MILES
Gross Length or Deductions	61500.0		11.647
Net Length	61098.45		11.571
Added for Deductions for Bridges		2981.50	
Added for Deductions for Railroad Crossing		3050.00	
Added for Transitions and Approaches		8120.00	
TOTAL AREA		64469.95	1.190

CLASS ESTIMATE

COURSE	LB. PER SQ. YD.
1 1/4"	126
1 1/2"	151
3"	303

SELECTED SOILS

Low-bearing soils, identified herein as Soils Nos. 6, 8, 9, 12, 13, 19, 22, 23, and 24, shall not be used in the top 12" of subgrade in fill sections and when encountered within the top 12" of subgrade in cut sections shall be removed and replaced with selected soils having a Corrected C.B.R. value of 8.2 or greater, identified herein as Soils Nos. 1, 2, 3, 4, 5, 7, 10, 11, 13, 14, 15, 16, 17, 20, and 21. The Contractor shall conduct grading operations in such manner as to allow ample quantities of selected soils to be laid in reserve or stockpiled as necessary to provide the required topsoil for fills and subgrade replacement in cuts. No direct payment will be allowed for such necessary manipulation as double handling or hauling between balance points.

PIPE SUMMARY

PIPE SUMMARY		L.I.N. FT.	
CULVERT PIPE			
18" Alternate A	Reinforced Concrete Class III	214.4	
18" Alternate B	Reinforced Concrete Class III	214.4	
24" Alternate A	Reinforced Concrete Class III	130.8	
24" Alternate B	Reinforced Concrete Class III	130.8	
30" Alternate A	Reinforced Concrete Class III	120	
30" Alternate B	Reinforced Concrete Class III	120	
36" Alternate A	Reinforced Concrete Class III	160	
36" Alternate B	Reinforced Concrete Class III	160	
42" Alternate A	Reinforced Concrete Class III	320	
42" Alternate B	Reinforced Concrete Class III	320	
48" Alternate A	Reinforced Concrete Class III	120	
48" Alternate B	Reinforced Concrete Class III	120	

ENTRANCE PIPE			
15" Alternate A	Reinforced Concrete Class III	362.4	
15" Alternate B	Reinforced Concrete Class III	362.4	
18" Alternate A	Reinforced Concrete Class III	772	
18" Alternate B	Reinforced Concrete Class III	772	
24" Alternate A	Reinforced Concrete Class III	200	
24" Alternate B	Reinforced Concrete Class III	200	
48" Alternate A	Reinforced Concrete Class III	32	
48" Alternate B	Reinforced Concrete Class III	32	

GENERAL SUMMARY		L.I.N. FT.	
CULVERT PIPE			
18" Alternate A	Reinforced Concrete Class III	214.4	
18" Alternate B	Reinforced Concrete Class III	214.4	
24" Alternate A	Reinforced Concrete Class III	130.8	
24" Alternate B	Reinforced Concrete Class III	130.8	
30" Alternate A	Reinforced Concrete Class III	120	
30" Alternate B	Reinforced Concrete Class III	120	
36" Alternate A	Reinforced Concrete Class III	160	
36" Alternate B	Reinforced Concrete Class III	160	
42" Alternate A	Reinforced Concrete Class III	320	
42" Alternate B	Reinforced Concrete Class III	320	
48" Alternate A	Reinforced Concrete Class III	120	
48" Alternate B	Reinforced Concrete Class III	120	

ENTRANCE PIPE			
15" Alternate A	Reinforced Concrete Class III	362.4	
15" Alternate B	Reinforced Concrete Class III	362.4	
18" Alternate A	Reinforced Concrete Class III	772	
18" Alternate B	Reinforced Concrete Class III	772	
24" Alternate A	Reinforced Concrete Class III	200	
24" Alternate B	Reinforced Concrete Class III	200	
48" Alternate A	Reinforced Concrete Class III	32	
48" Alternate B	Reinforced Concrete Class III	32	

BRIDGE & CULVERT SUMMARY

BRIDGE & CULVERT SUMMARY		L.I.N. FT.	
CULVERT PIPE			
18" Alternate A	Reinforced Concrete Class III	214.4	
18" Alternate B	Reinforced Concrete Class III	214.4	
24" Alternate A	Reinforced Concrete Class III	130.8	
24" Alternate B	Reinforced Concrete Class III	130.8	
30" Alternate A	Reinforced Concrete Class III	120	
30" Alternate B	Reinforced Concrete Class III	120	
36" Alternate A	Reinforced Concrete Class III	160	
36" Alternate B	Reinforced Concrete Class III	160	
42" Alternate A	Reinforced Concrete Class III	320	
42" Alternate B	Reinforced Concrete Class III	320	
48" Alternate A	Reinforced Concrete Class III	120	
48" Alternate B	Reinforced Concrete Class III	120	

ENTRANCE PIPE			
15" Alternate A	Reinforced Concrete Class III	362.4	
15" Alternate B	Reinforced Concrete Class III	362.4	
18" Alternate A	Reinforced Concrete Class III	772	
18" Alternate B	Reinforced Concrete Class III	772	
24" Alternate A	Reinforced Concrete Class III	200	
24" Alternate B	Reinforced Concrete Class III	200	
48" Alternate A	Reinforced Concrete Class III	32	
48" Alternate B	Reinforced Concrete Class III	32	

① Estimated 10 gal. of water per cubic yard of common excavation used in embankment

② Steel Beam Guard Rail shall be installed where directed on construction.

③ Includes 120 Cu Yds. from Bridges and Culvert Summary.

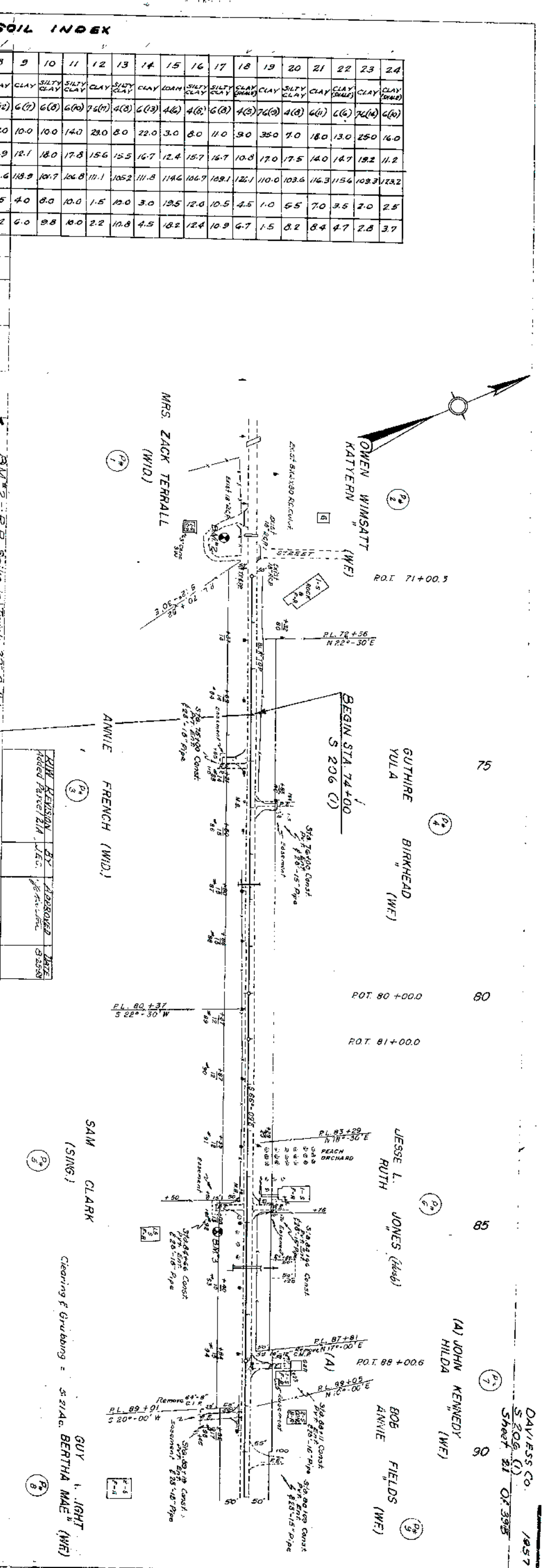
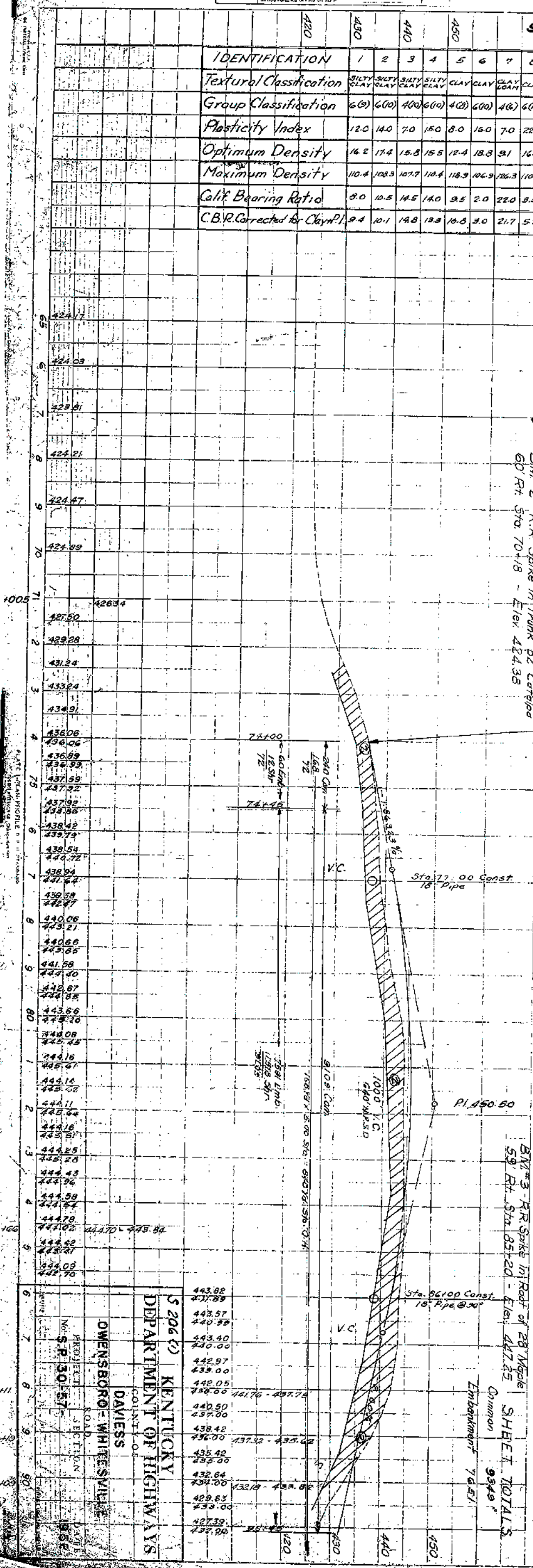
④ Included in General Summary.

⑤ Slope Protection shall be constructed as indicated on bridge plans.

⑥ Existing water line located at Sta. 62+25 shall be removed and relaid as directed on construction. Water line shall be encased in a 24" galvanized iron pipe to facilitate possible future removal. The unit price bid per linear foot for removing and relaying 1 1/2" water line shall include payment in full for all excavation, backfill, labor, material (exclusive of the encasement pipe), and incidentals necessary to complete the work. Payment for the encasement pipe will be made on the basis of the number of linear feet of 2 1/2" galvanized iron pipe encasement.

SOIL INDEX

IDENTIFICATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Textural Classification	SILTY CLAY	SILTY CLAY	SILTY CLAY	SILTY CLAY	CLAY	CLAY	CLAY	CLAY	CLAY	SILTY CLAY	SILTY CLAY	CLAY	SILTY CLAY	CLAY	CLAY	SILTY CLAY	SILTY CLAY	CLAY	SILTY CLAY	CLAY	CLAY	CLAY	CLAY	CLAY
Group Classification	6(9)	6(9)	4(10)	6(10)	4(10)	6(9)	4(8)	6(7)	6(7)	6(8)	6(9)	7(10)	4(8)	6(10)	4(6)	4(6)	6(8)	4(8)	7(10)	4(8)	6(10)	6(10)	7(10)	6(10)
Plasticity Index	12.0	14.0	7.0	15.0	8.0	16.0	7.0	22.0	10.0	10.0	14.0	28.0	8.0	22.0	3.0	8.0	11.0	9.0	35.0	7.0	18.0	13.0	25.0	16.0
Optimum Density	16.2	17.4	15.8	15.5	12.4	18.3	9.1	16.9	12.1	18.0	17.8	15.6	15.5	16.7	12.4	15.7	16.7	10.8	17.0	17.5	14.0	14.7	19.2	11.2
Maximum Density	110.4	108.3	107.7	104.4	118.9	106.9	126.3	110.6	118.9	121.7	126.8	111.1	105.2	111.8	114.6	106.7	109.1	126.1	110.0	103.6	116.3	115.6	109.3	123.2
Calif. Bearing Ratio	8.0	10.5	14.5	14.0	9.5	2.0	22.0	3.5	4.0	8.0	10.0	1.5	10.0	3.0	19.5	12.0	10.5	4.5	1.0	5.5	7.0	3.5	2.0	2.5
C.B.R. Corrected for Clay PI	9.4	10.1	14.8	13.3	10.8	3.0	21.7	5.2	6.0	9.8	10.0	2.2	10.8	4.5	18.2	12.4	10.9	4.7	1.5	8.2	8.4	4.7	2.8	3.7



KENTUCKY
DEPARTMENT OF HIGHWAYS
OWENSBORO - WHITEVILLE
COUNTY OF
DAVIES

PROJECT
SECTION
DATE
BY
CHECKED
SCALE

NO. 30-57
S.P. 30-57

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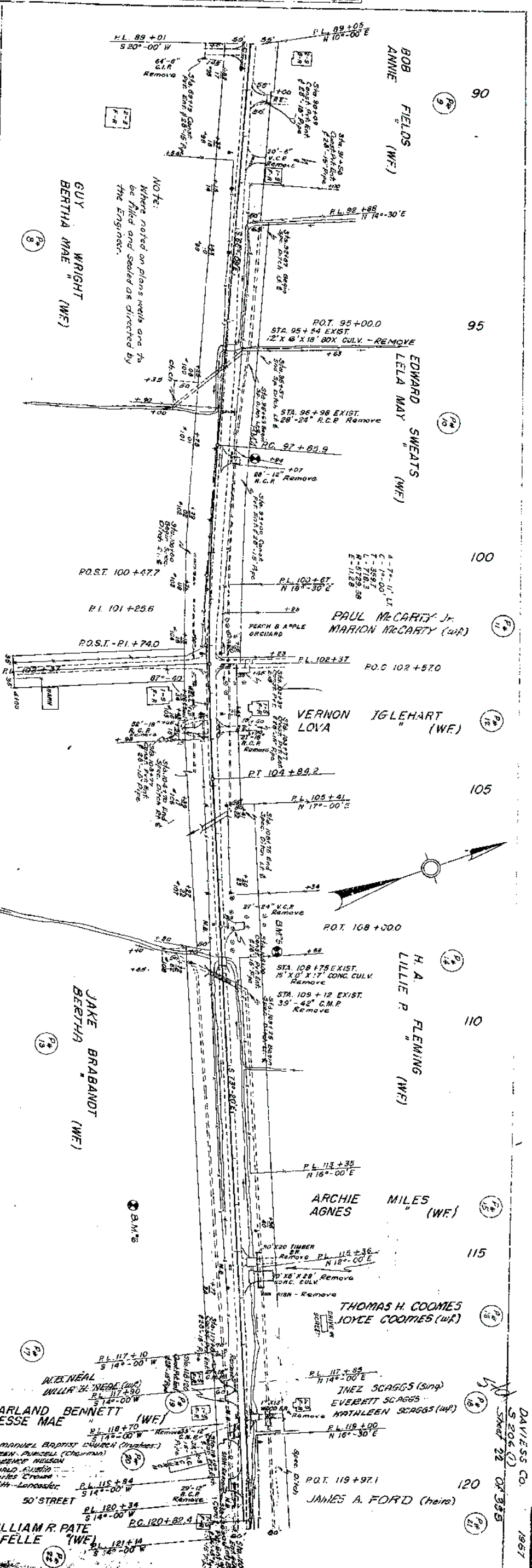
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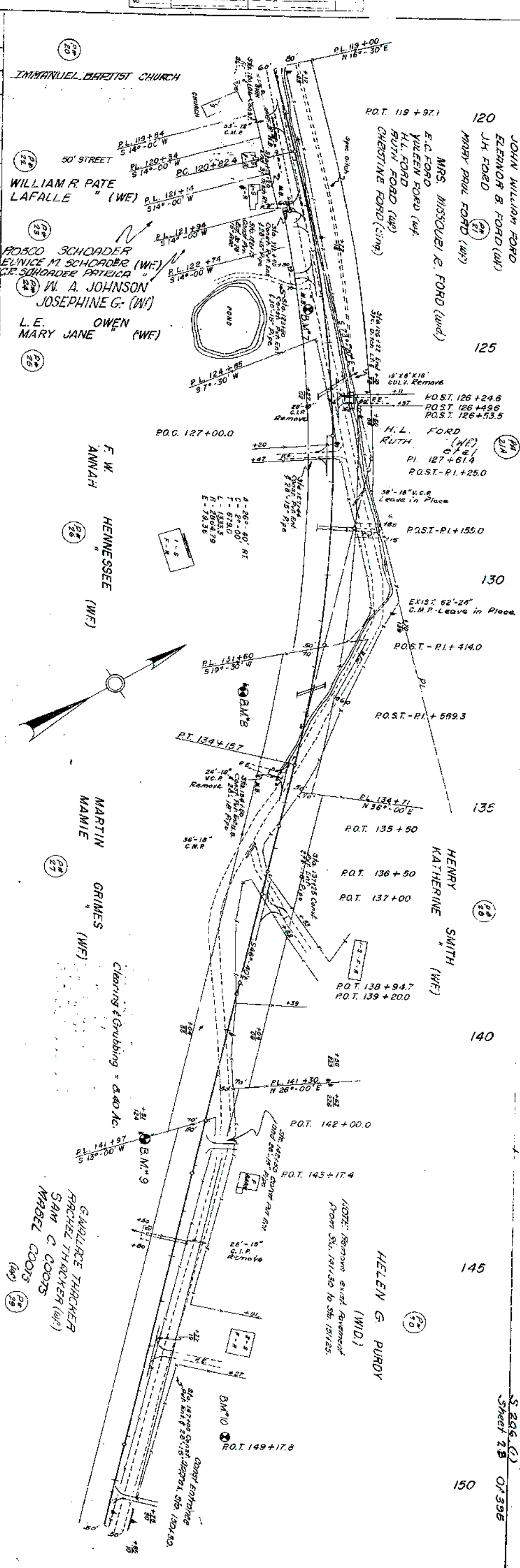
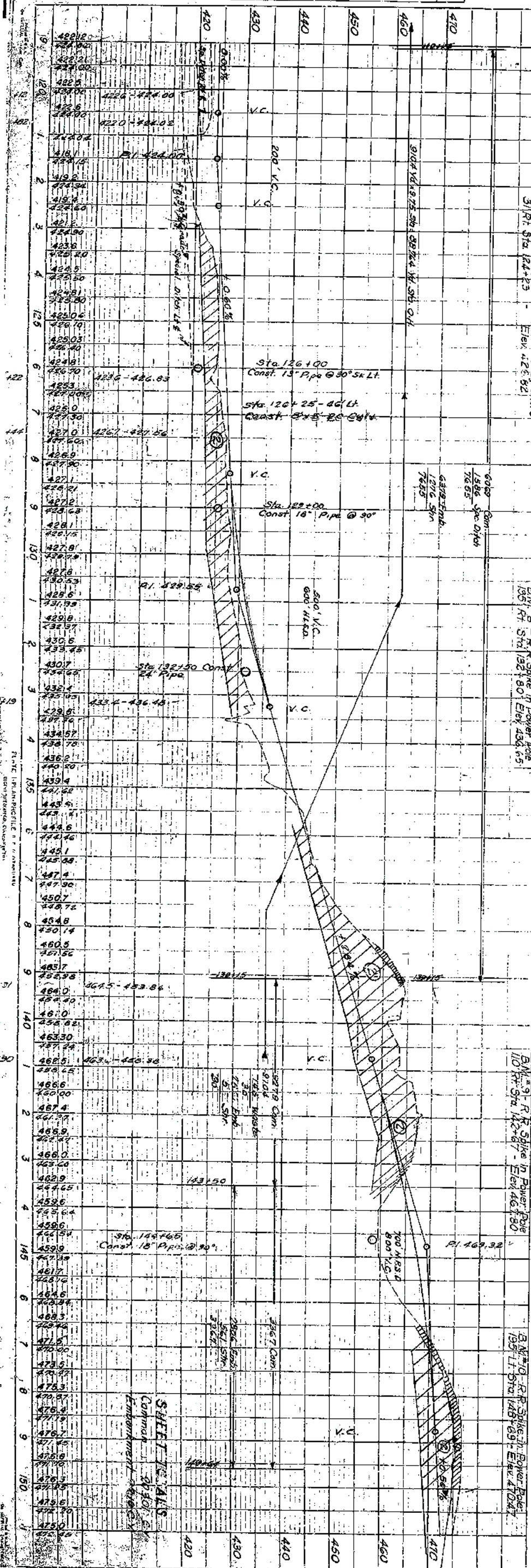
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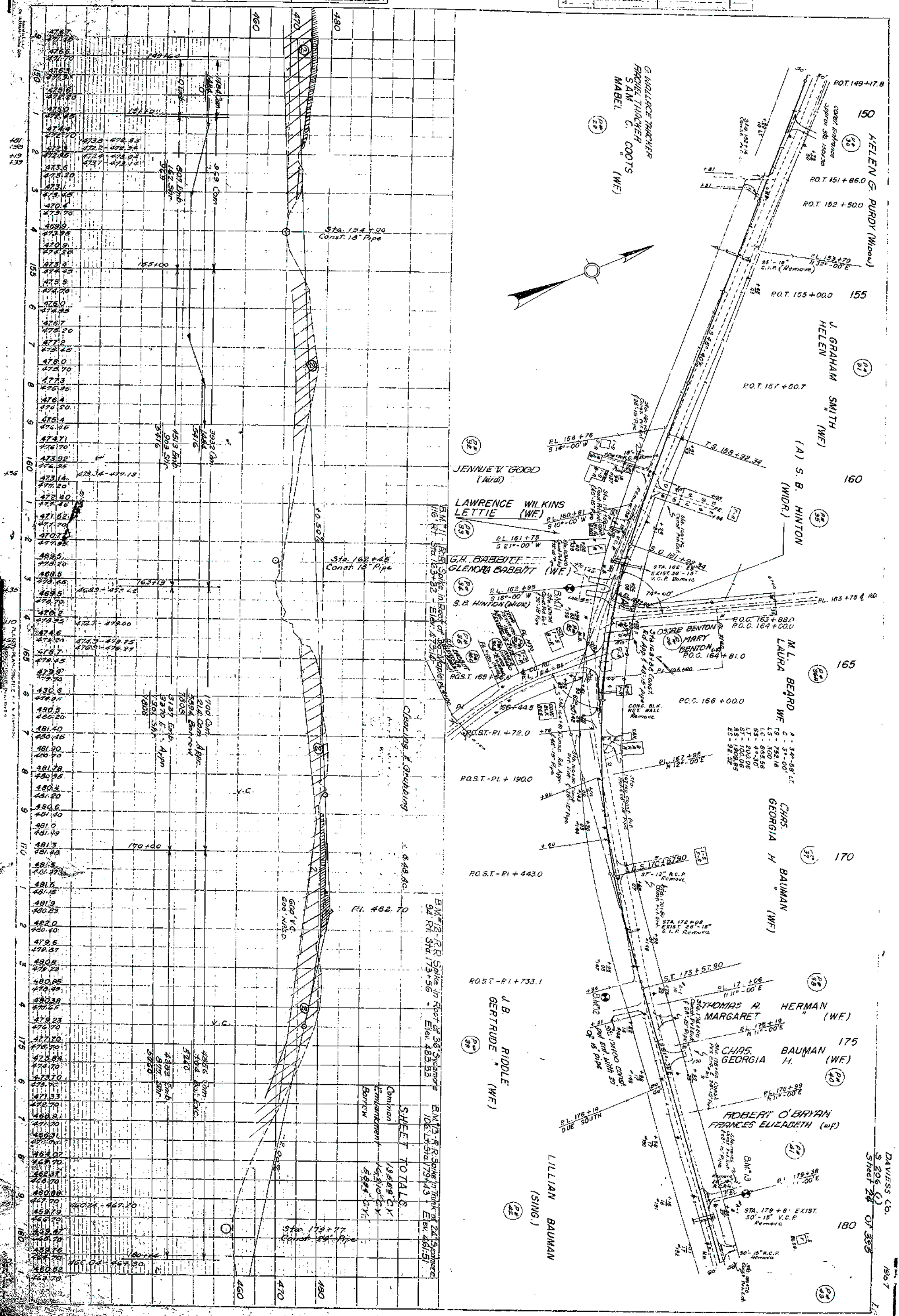
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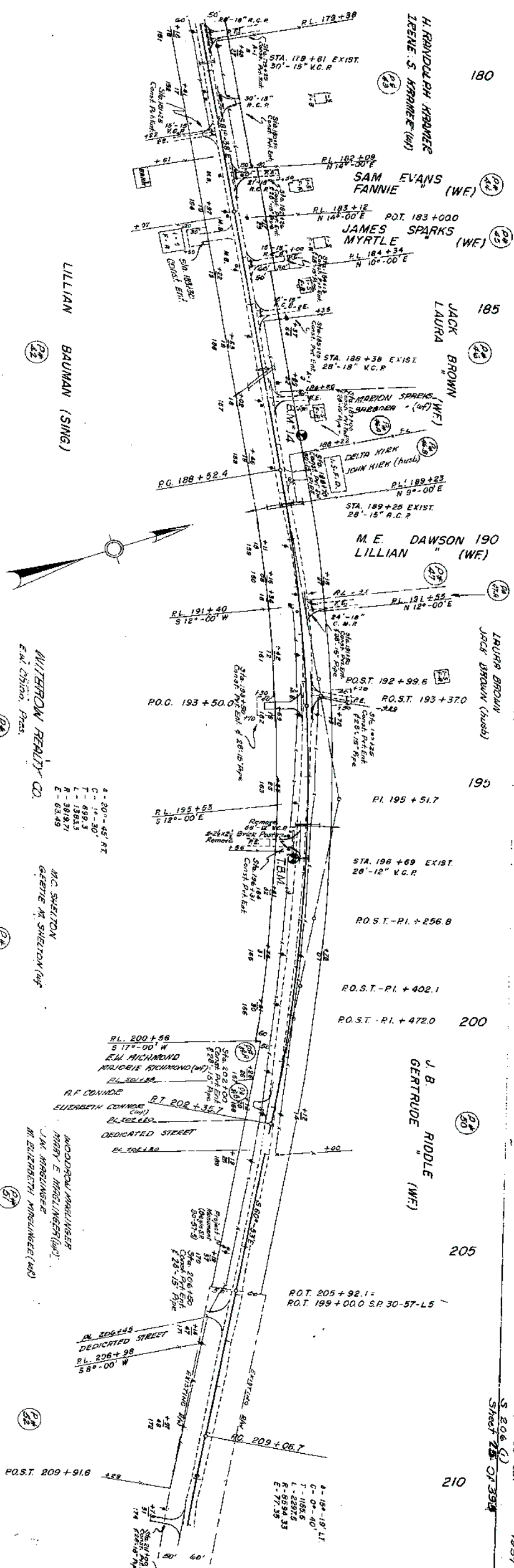
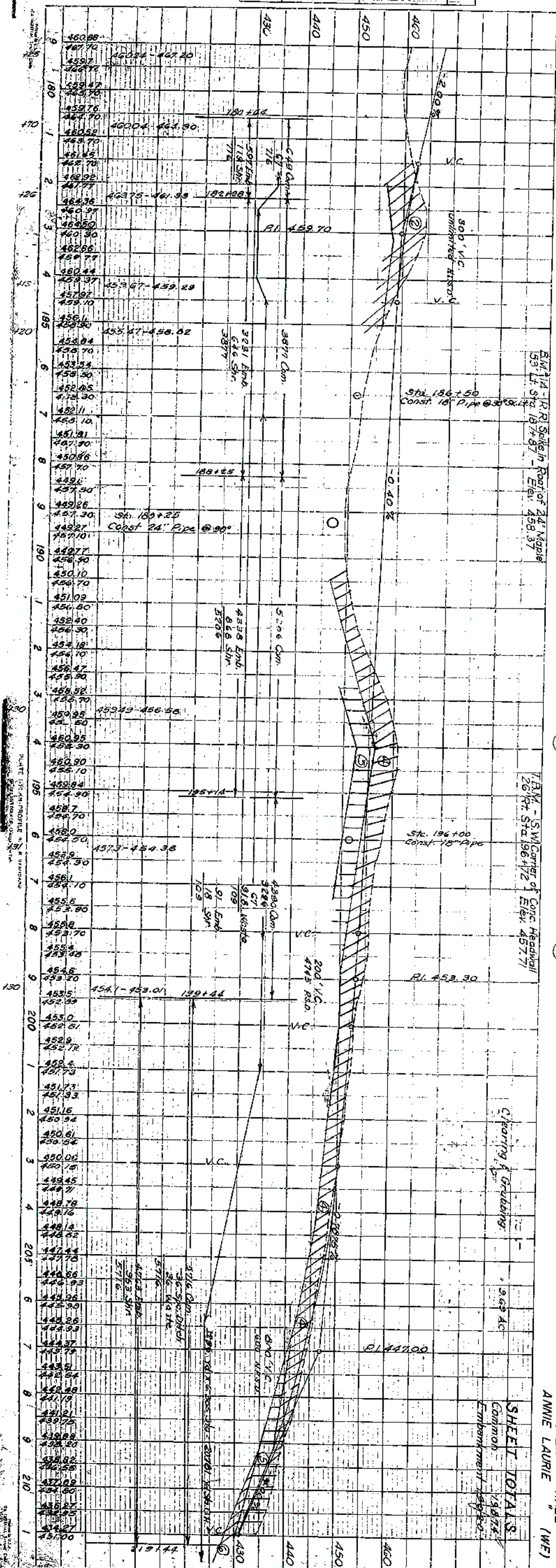




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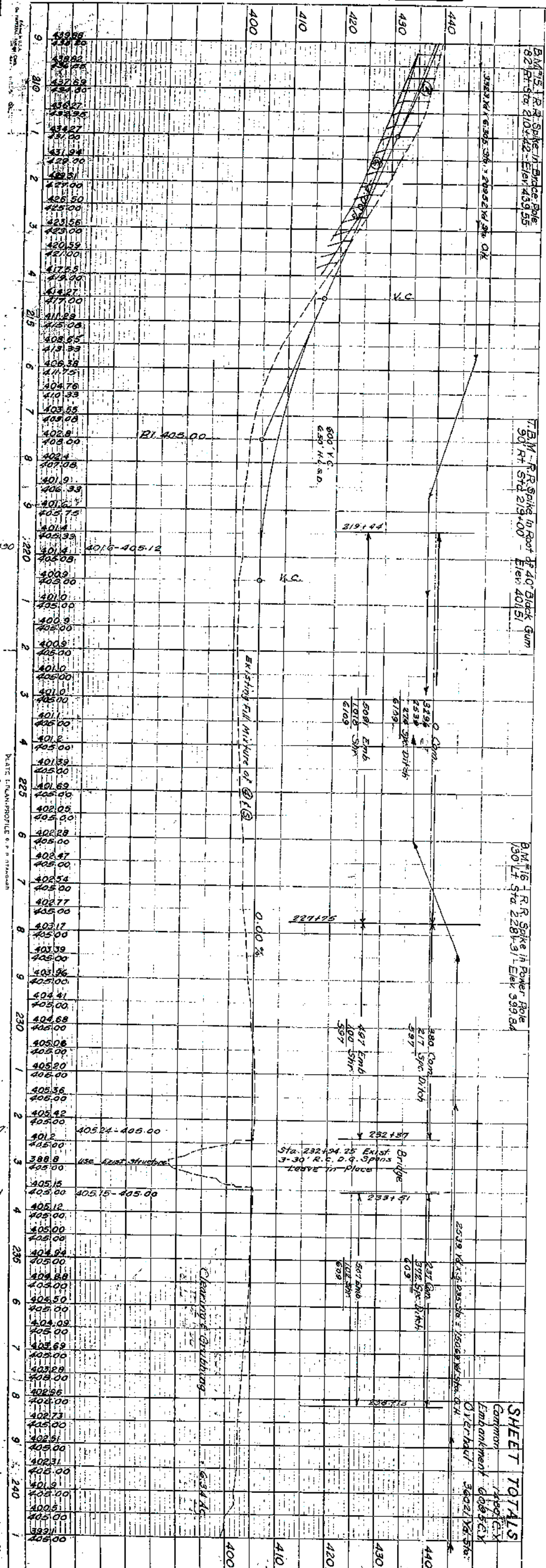
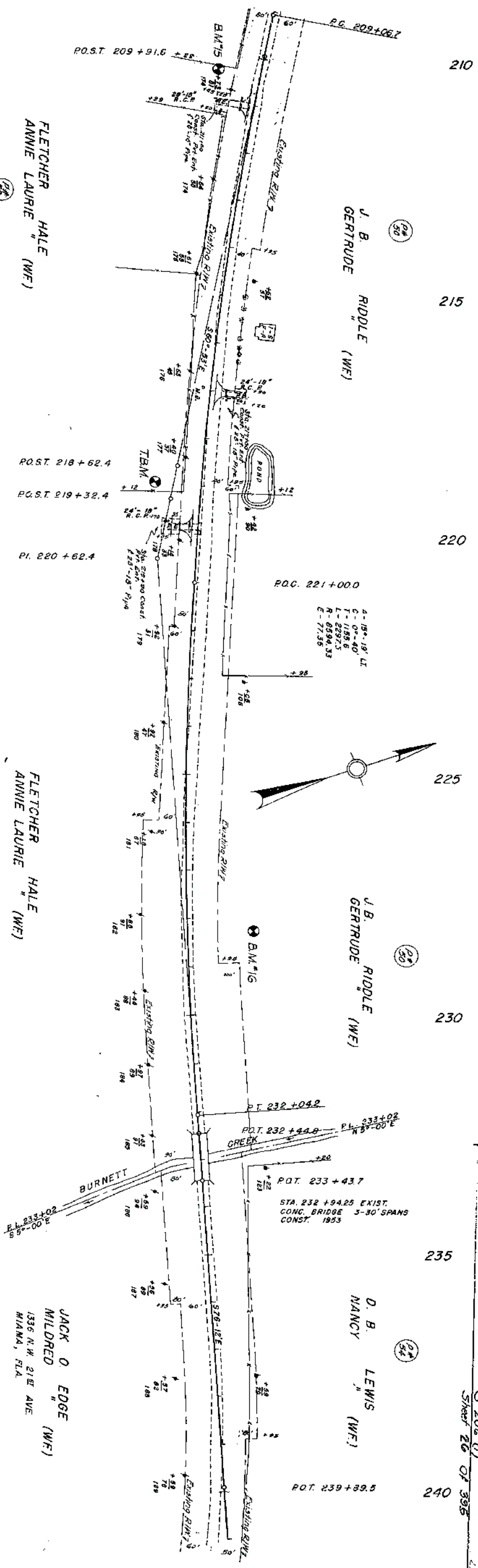


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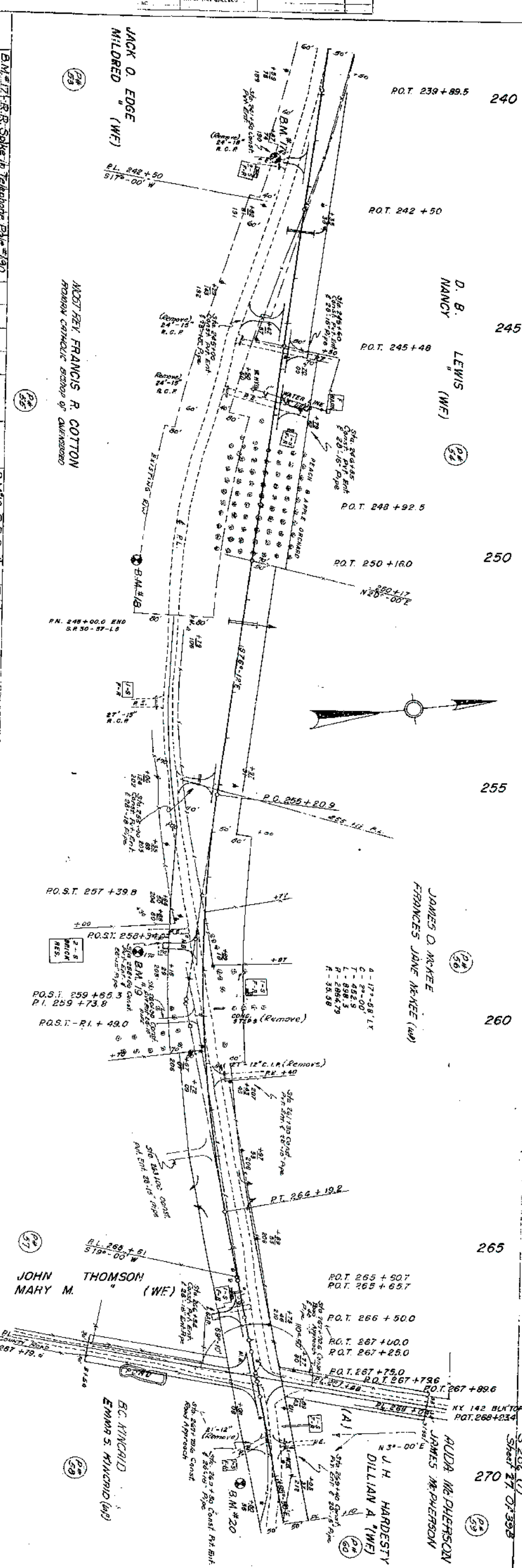
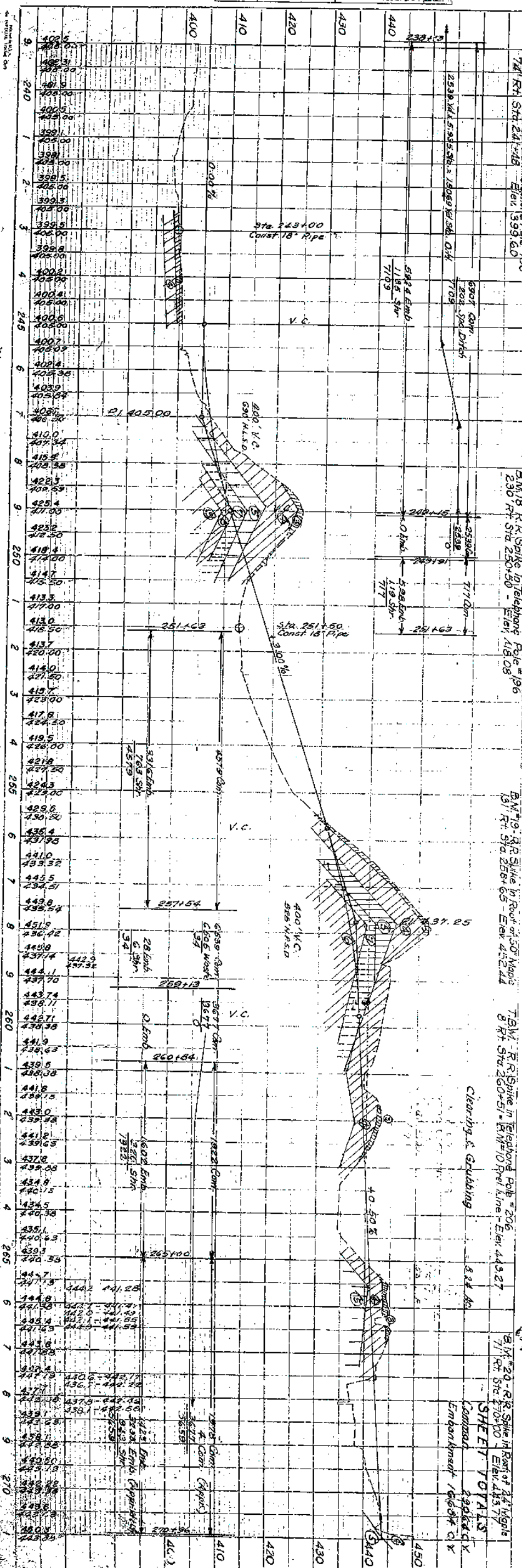
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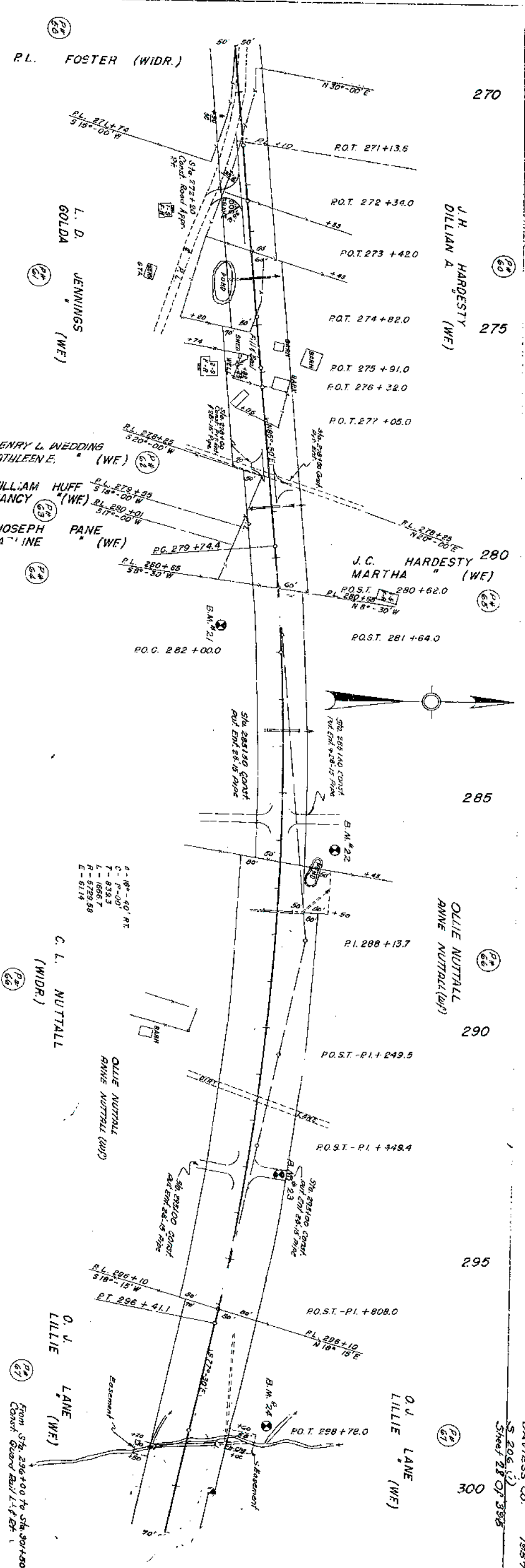
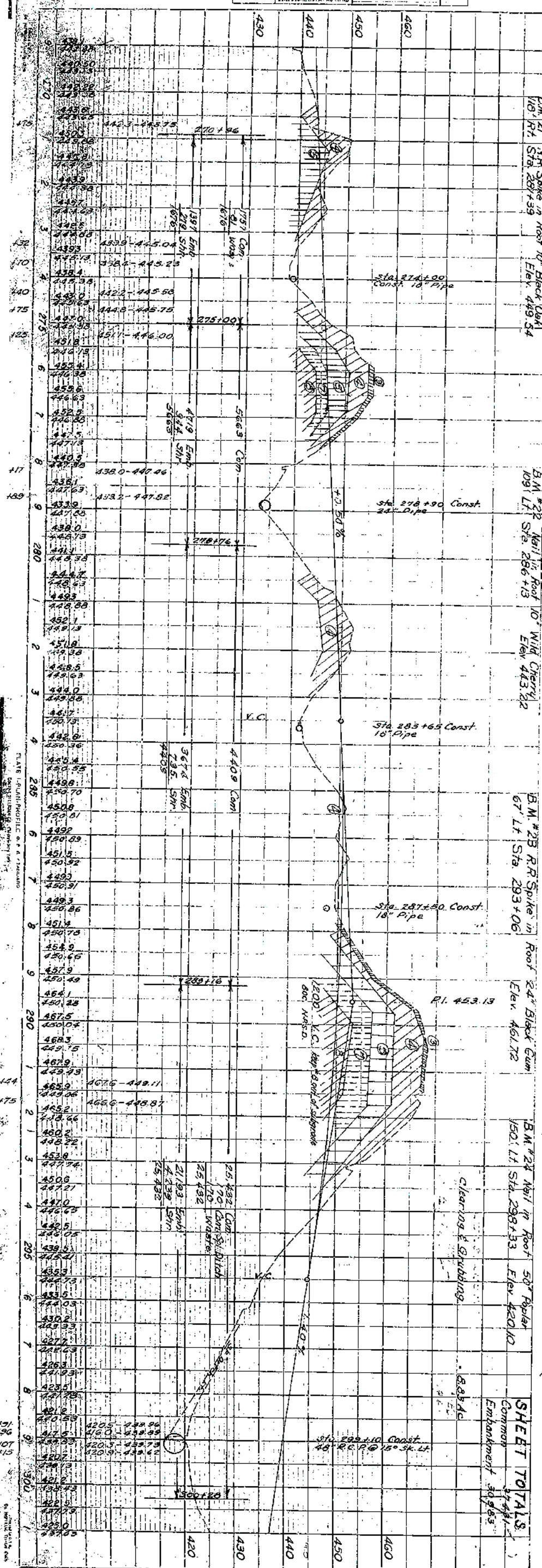
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BY A. NOTED			
STRUCTURAL NOTATIONS OK			

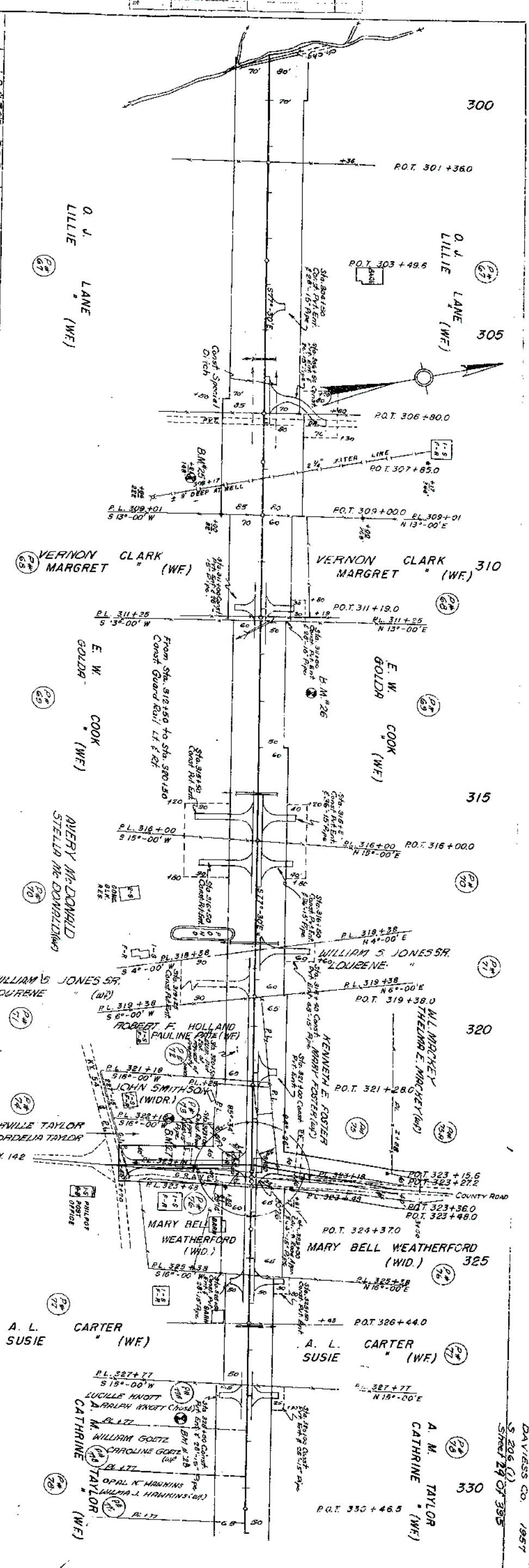
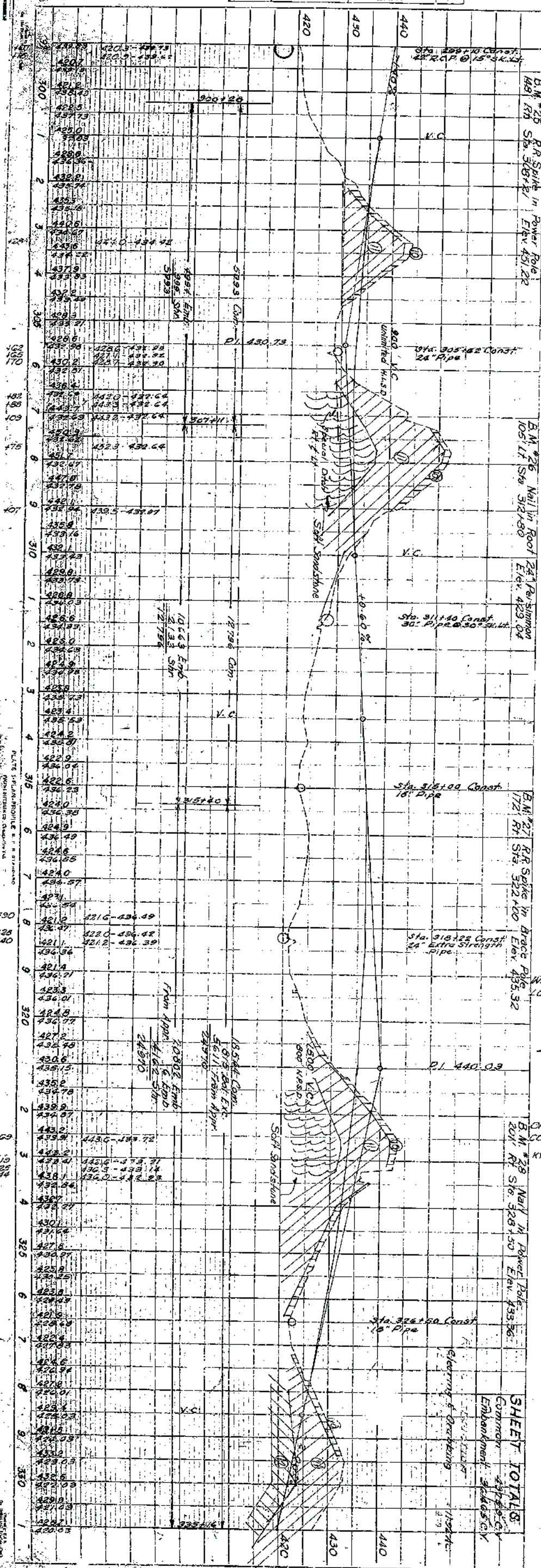


DAVIES CO.
S 206 (1)
Sheet 26 of 395
1957

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	ALIGNMENT CHECKED		
	BY: 9/4/49 GHECOLD		







Appendix H – Structure Inventory and Appraisals

Structure Inventory and Appraisal Sheet (English Units)

Bridge Key: 3304		Agency ID: 030B00018N		SR: 66		SD/FO: FO	
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IDENTIFICATION

State 1: 21 Kentucky Struc Num 8: 030B00018N

Facility Carried 7: KY-54 Location 9: .45 MI EAST OF JCT KY 142

Rte.(On/Under)5A: Route On Structure Rte. Signing Prefix 5B: 3 State Hwy

Level of Service 5C: 1 Mainline Rte. Number 5D: 00054

Directional Suffix 5E: 0 N/A (NBI) % Responsibility : Unknown

SHD District 2: District 2 County Code 3: Daviess (030)

Place Code 4: FIPS 0000 Mile Post 11: 7.882 mi

Feature Intersected 6: CANEY CREEK

Latitude 16: 37d 43' 57" Longitude 17: 086d 58' 54"

Border Bridge Code 98: Unknown (P)

Border Bridge Number 99:

INSPECTION

Frequency 91: 24 months Inspection Date 90: 11/17/2009 Next Inspection: 11/17/2011

FC Frequency 92A: NA FC Inspection Date 93A: NA Next FC Inspection: NA

UW Frequency 92B: NA UW Inspection Date 93B: NA Next UW Inspection: NA

SI Frequency 92C: NA SI Date 93C: NA Next SI: NA

Element Frequency: 24 months Element Inspection Date: 11/17/2009 Next Elem. Insp. Due: 11/17/2011

STRUCTURE TYPE AND MATERIALS

Number of Approach Spans 46: 0 Number of Spans Main Unit 45: 3

Main Span Material/Design 43A/B:

1 Concrete 04 Tee Beam

Deck Type 107: 1 Concrete-Cast-in-Place

Wearing Surface 108A: 1 Monolithic Concrete

Membrane 108B: 8 Unknown

Deck Protection 108C: 8 Unknown

CLASSIFICATION

Defense Highway 100: 0 Not a STRAHNET hwy Parallel Structure 101: No || bridge exists

Direction of Traffic 102: 2 2-way traffic Temporary Structure 103: Not Applicable (P)

Highway System 104: 0 Not on NHS NBIS Length 112: Long Enough

Toll Facility 20: 3 On free road Functional Class 26: 16 Urban Minor Arterial

Defense Hwy 110: 0 Historical Significance 37: 5 Not eligible for NRHP

Owner 22: 01 State Highway Agency

Custodian 21: 01 State Highway Agency

AGE AND SERVICE

Year Built 27: 1960 Year Reconstructed 106: -4

Type of Service on 42A: 1 Highway

Type of Service under 42B: 5 Waterway

Lanes on 28A: 2 Lanes Under 28B: 0 Detour Length 19: 21.1 mi

ADT 29: 9,930 Truck ADT 109: 7 % Year of ADT 30: 2010

CONDITION

Deck 58: 7 Good Super 59: 7 Good Sub 60: 7 Good

Culvert 62: N N/A (NBI) Channel/Channel Protection 61: 7 Minor Damage

GEOMETRIC DATA

Length Max Span 48: 24.9 ft Structure Length 49: 84.0 ft

Curb/Sdwk Width L 50A: 1.5 ft Curb/Sidewalk Width R 50B: 1.5 ft

Width Curb to Curb 51: 27.9 ft Width Out to Out 52: 33.5 ft

Approach Roadway Width 32: 22.0 ft Median 33: 0 No median (w/ shoulders)

Deck Area: 2,813.7 sq. ft

Skew 34: 0.00 ° Structure Flared 35: 0 No flare

Vertical Clearance 10: 99.99 ft Horiz. Clearance 47: 27.89 ft

Minimum Vertical Clearance Over Bridge 53: 328.1 ft

Minimum Vertical Underclearance Reference 54A: N Feature not hwy or RR

Minimum Vertical Underclearance 54B: 0.0 ft

Minimum Lateral Underclearance Reference R 55A: N Feature not hwy or RR

Minimum Lateral Underclearance R 55: 0.0 ft

Minimum Lateral Underclearance L 56: 0.0 ft

LOAD RATING AND POSTING

Inventory Rating Method 65: 2 AS Allowable Stress: Operating Rating Method 63: 2 AS Allowable Stress

Inventory Rating 66: HS29.5 Operating Rating 64: HS42.2

Design Load 31: 5 MS 18 (HS 20) Posting 70: 5 At/Above Legal Loads

Posting status 41: A Open, no restriction

APPRAISAL

Bridge Rail 36A: 0 Substandard Approach Rail 36C: 1 Meets Standards

Transition 36B: 1 Meets Standards Approach Rail Ends 36D: 1 Meets Standards

Str. Evaluation 67: 7 Deck Geometry 68: 2 Intolerable - Replace

Underclearance, Vertical and Horizontal 69: N Not applicable (NBI)

Waterway Adequacy 71: 7 Above Minimum Approach Alignment 72: 9 Above Desirable Crit

Scour Critical 113: 8 Stable Above Footing

PROPOSED IMPROVEMENTS

Bridge Cost 94: \$ 329,000 Type of Work 75: 34 Widen w/ Deck Reha

Roadway Cost 95: \$ 0 Length of Improvement 76: 8.5 ft

Total Cost 96: \$ 328,000 Future ADT 114: 11,220

Year of Cost Estimate 97: 1994 Year of Future ADT 115: 2030

NAVIGATION DATA

Navigation Control 38: 0 0

Vertical Clearance 39: 0.0 ft Horizontal Clearance 40: 0.0 ft

Pier Protection 111: 1 Not Required Lift Bridge Vertical Clearance 116:

ELEMENT CONDITION STATE DATA

Str Unit	Elm/Env	Description	Units	Total Qty	% in 1	Qty. St. 1	% in 2	Qty. St. 2	% in 3	Qty. St. 3	% in 4	Qty. St. 4	% in 5	Qty. St. 5
1	12/1	Bare Concrete Deck	(SF)	2,394	100 %	2,394	0 %	0	0 %	0	0 %	0	0 %	0
1	110/1	R/Conc Open Girder	(EA)	420	100 %	420	0 %	0	0 %	0	0 %	0	0 %	0
1	205/1	R/Conc Column	(EA)	10	100 %	10	0 %	0	0 %	0	0 %	0	0 %	0
1	215/1	R/Conc Abutment	(LF)	80	100 %	80	0 %	0	0 %	0	0 %	0	0 %	0
1	234/1	R/Conc Cap	(LF)	58	100 %	58	0 %	0	0 %	0	0 %	0	0 %	0
1	301/1	Pourable Joint Seal	(LF)	67	0 %	0	100 %	67	0 %	0	0 %	0	0 %	0

Structure Inventory and Appraisal Sheet (English Units)

Str Unit	Elm/Env	Description	Units	Total Qty	% in 1	Qty. St. 1	% in 2	Qty. St. 2	% in 3	Qty. St. 3	% in 4	Qty. St. 4	% in 5	Qty. St. 5
1	331/1	Conc Bridge Railing	(LF)	168	0 %	0	100 %	168	0 %	0	0 %	0	0 %	0
1	359/1	Soffit Smart Flag	(EA)	1	100 %	1	0 %	0	0 %	0	0 %	0	0 %	0
1	503/1	RC Curb	(LF)	168	100 %	168	0 %	0	0 %	0	0 %	0	0 %	0

Str Unit	Elm/Env	Description	Element Notes
1	12/1	Concrete Deck - Bare	The concrete deck is worn to aggregate. The deck is map cracking.
1	110/1	Reinforced Conc Open Girder/Bear	< none >
1	205/1	Reinforced Conc Column or Pile Ex	< none >
1	215/1	Reinforced Conc Abutment	< none >
1	234/1	Reinforced Conc Cap	< none >
1	301/1	Pourable Joint Seal	The asphaltic material is coming out of the joints.
1	331/1	Reinforced Conc Bridge Railing	The concrete rails are worn and weathered with a few minor spalls. The rail columns has approximately 10 feet of rebar exposed due to shallow spalling of the concrete.
1	359/1	Soffit of Concrete Deck or Slab	There are cracks visible in the bottom of the deck at abutment 1&3 on the left side. There are 3 spalls in span 1 on the bottom of the deck with reinforcing steel exposed.
1	503/1	Reinforced Concrete Curb	< none >

BRIDGE NOTES

-89.9

PAST INSPECTION

Inspection Date: 11/17/2009

Type: 2 Standard (24 months)

Inspector: RSEMONES

Pontis User Key: RSEMONES - Rot

Scope:

NBI: ☒ Other: ☐ Element: ☒
Underwater: ☐ Fracture Critical: ☐

INSPECTION NOTES

The poured seal joints looked satisfactory at the time of the inspection. The railing on both sides have experienced some spalling exposing the rebar in the rail columns. (See photos)

Structure Inventory and Appraisal Sheet (English Units)

PAST INSPECTION

Inspection Date: 11/29/2007 Type: 2 Standard (24 months)
Inspector: DLARKIN Pontis User Key: DLARKIN - Denny
Scope:
NBI: ☒ Other: ☐ Element: ☒
Underwater: ☐ Fracture Critical: ☐

INSPECTION NOTES

PAST INSPECTION

Inspection Date: 11/01/2005 Type: 1 SIA (Initial Inventory)
Inspector: DLARKIN Pontis User Key: DLARKIN - Denny
Scope:
NBI: ☒ Other: ☐ Element: ☐
Underwater: ☐ Fracture Critical: ☐

INSPECTION NOTES

INSPECTOR WORK CANDIDATES

Structure Inventory and Appraisal Sheet (English Units)

Bridge Key: 3303		Agency ID: 030B00017N		SR: 66		SD/FO: FO	
------------------	--	-----------------------	--	--------	--	-----------	--

IDENTIFICATION

State 1: 21 Kentucky Struc Num 8: 030B00017N

Facility Carried 7: KY-54 Location 9: .50 MI WEST OF JCT KY 142

Rte.(On/Under)5A: Route On Structure Rte. Signing Prefix 5B: 3 State Hwy

Level of Service 5C: 1 Mainline Rte. Number 5D: 00054

Directional Suffix 5E: 0 N/A (NBI) % Responsibility : Unknown

SHD District 2: District 2 County Code 3: Daviess (030)

Place Code 4: FIPS 0000 Mile Post 11: 5.787 mi

Feature Intersected 6: BARNETT CREEK

Latitude 16: 37d 44' 16" Longitude 17: 087d 01' 09"

Border Bridge Code 98: Unknown (P)

Border Bridge Number 99:

INSPECTION

Frequency 91: 24 months Inspection Date 90: 11/17/2009 Next Inspection: 11/17/2011

FC Frequency 92A: NA FC Inspection Date 93A: NA Next FC Inspection: NA

UW Frequency 92B: NA UW Inspection Date 93B: NA Next UW Inspection: NA

SI Frequency 92C: NA SI Date 93C: NA Next SI: NA

Element Frequency: 24 months Element Inspection Date: 11/17/2009 Next Elem. Insp. Due: 11/17/2011

STRUCTURE TYPE AND MATERIALS

Number of Approach Spans 46: 0 Number of Spans Main Unit 45: 3

Main Span Material/Design 43A/B:

1 Concrete 04 Tee Beam

Deck Type 107: 1 Concrete-Cast-in-Place

Wearing Surface 108A: 4 Low Slump Concrete

Membrane 108B: 8 Unknown

Deck Protection 108C: 8 Unknown

CLASSIFICATION

Defense Highway 100: 0 Not a STRAHNET hwy Parallel Structure 101: No || bridge exists

Direction of Traffic 102: 2 2-way traffic Temporary Structure 103: Not Applicable (P)

Highway System 104: 0 Not on NHS NBIS Length 112: Long Enough

Toll Facility 20: 3 On free road Functional Class 26: 16 Urban Minor Arterial

Defense Hwy 110: 0 Historical Significance 37: 5 Not eligible for NRHP

Owner 22: 01 State Highway Agency

Custodian 21: 01 State Highway Agency

AGE AND SERVICE

Year Built 27: 1954 Year Reconstructed 106: -4

Type of Service on 42A: 1 Highway

Type of Service under 42B: 5 Waterway

Lanes on 28A: 2 Lanes Under 28B: 0 Detour Length 19: 21.1 mi

ADT 29: 10,900 Truck ADT 109: 7 % Year of ADT 30: 2010

CONDITION

Deck 58: 7 Good Super 59: 7 Good Sub 60: 7 Good

Culvert 62: N N/A (NBI) Channel/Channel Protection 61: 7 Minor Damage

GEOMETRIC DATA

Length Max Span 48: 29.9 ft Structure Length 49: 99.1 ft

Curb/Sdwk Width L 50A: 1.5 ft Curb/Sidewalk Width R 50B: 1.5 ft

Width Curb to Curb 51: 25.9 ft Width Out to Out 52: 31.0 ft

Approach Roadway Width 32: 24.0 ft Median 33: 0 No median (w/ shoulders)

Deck Area: 3,071.6 sq. ft

Skew 34: 0.00 ° Structure Flared 35: 0 No flare

Vertical Clearance 10: 99.99 ft Horiz. Clearance 47: 25.92 ft

Minimum Vertical Clearance Over Bridge 53: 328.1 ft

Minimum Vertical Underclearance Reference 54A: N Feature not hwy or RR

Minimum Vertical Underclearance 54B: 0.0 ft

Minimum Lateral Underclearance Reference R 55A: N Feature not hwy or RR

Minimum Lateral Underclearance R 55: 0.0 ft

Minimum Lateral Underclearance L 56: 0.0 ft

LOAD RATING AND POSTING

Inventory Rating Method 65: 2 AS Allowable Stress: Operating Rating Method 63: 2 AS Allowable Stress

Inventory Rating 66: HS25.5 Operating Rating 64: HS40.0

Design Load 31: 4 M 18 (H 20) Posting 70: 5 At/Above Legal Loads

Posting status 41: A Open, no restriction

APPRAISAL

Bridge Rail 36A: 0 Substandard Approach Rail 36C: 1 Meets Standards

Transition 36B: 1 Meets Standards Approach Rail Ends 36D: 1 Meets Standards

Str. Evaluation 67: 7 Deck Geometry 68: 2 Intolerable - Replace

Underclearance, Vertical and Horizontal 69: N Not applicable (NBI)

Waterway Adequacy 71: 7 Above Minimum Approach Alignment 72: 9 Above Desirable Crit

Scour Critical 113: 8 Stable Above Footing

PROPOSED IMPROVEMENTS

Bridge Cost 94: \$ 359,000 Type of Work 75: 34 Widen w/ Deck Reha

Roadway Cost 95: \$ 0 Length of Improvement 76: 9.8 ft

Total Cost 96: \$ 358,000 Future ADT 114: 12,317

Year of Cost Estimate 97: 2004 Year of Future ADT 115: 2030

NAVIGATION DATA

Navigation Control 38: 0 0

Vertical Clearance 39: 0.0 ft Horizontal Clearance 40: 0.0 ft

Pier Protection 111: 1 Not Required Lift Bridge Vertical Clearance 116:

ELEMENT CONDITION STATE DATA

Str Unit	Elm/Env	Description	Units	Total Qty	% in 1	Qty. St. 1	% in 2	Qty. St. 2	% in 3	Qty. St. 3	% in 4	Qty. St. 4	% in 5	Qty. St. 5
1	22/1	P Conc Deck/Rigid Ov	(SF)	2,574	100 %	2,574	0 %	0	0 %	0	0 %	0	0 %	0
1	110/1	R/Conc Open Girder	(LF)	495	100 %	495	0 %	0	0 %	0	0 %	0	0 %	0
1	205/1	R/Conc Column	(EA)	12	100 %	12	0 %	0	0 %	0	0 %	0	0 %	0
1	215/1	R/Conc Abutment	(LF)	62	100 %	62	0 %	0	0 %	0	0 %	0	0 %	0
1	234/1	R/Conc Cap	(LF)	60	98 %	59	2 %	1	0 %	0	0 %	0	0 %	0
1	301/1	Pourable Joint Seal	(LF)	62	0 %	0	50 %	31	50 %	31	0 %	0	0 %	0

Structure Inventory and Appraisal Sheet (English Units)

Str Unit	Elm/Env	Description	Units	Total Qty	% in 1	Qty. St. 1	% in 2	Qty. St. 2	% in 3	Qty. St. 3	% in 4	Qty. St. 4	% in 5	Qty. St. 5
1	331/1	Conc Bridge Railing	(LF)	236	100 %	236	0 %	0	0 %	0	0 %	0	0 %	0
1	358/1	Deck Cracking SmFlag	(EA)	1	0 %	0	100 %	1	0 %	0	0 %	0	0 %	0
1	359/1	Soffit Smart Flag	(EA)	1	100 %	1	0 %	0	0 %	0	0 %	0	0 %	0
1	503/1	RC Curb	(LF)	236	100 %	236	0 %	0	0 %	0	0 %	0	0 %	0
1	611/1	Embankment Erosion	(EA)	1	100 %	1	0 %	0	0 %	0	0 %	0	0 %	0

Str Unit	Elm/Env	Description	Element Notes
1	22/1	Concrete Deck - Protected w/ Rigid	The concrete deck overlay is worn to aggregate.
1	110/1	Reinforced Conc Open Girder/Bear	< none >
1	205/1	Reinforced Conc Column or Pile Ex	< none >
1	215/1	Reinforced Conc Abutment	< none >
1	234/1	Reinforced Conc Cap	There is a small crack approximately 2.5 feet in length on the west face of the north pier cap. It appears to be corner spalling only.
1	301/1	Pourable Joint Seal	The joints over pier 2 has failed. The joint over pier 3 is loosing cohesion due to minor 'D' cracking of the overlay and is leaking.
1	331/1	Reinforced Conc Bridge Railing	< none >
1	358/1	Deck Cracking	Unsealed cracks exist in the deck that are of moderate size and density.
1	359/1	Soffit of Concrete Deck or Slab	There are a few small areas in the bottom of the deck with cracks and small amounts of efflorescence present in these cracks.
1	503/1	Reinforced Concrete Curb	< none >
1	611/1	Embankment Erosion	The slopes under span 1 & 3 have some minor erosion present. Abutment 4 is undermined in one area on the left side exposing 1 conc. pile.

BRIDGE NOTES

-80

PAST INSPECTION

Inspection Date: 11/17/2009

Type: 2 Standard (24 months)

Inspector: RSEMONES

Pontis User Key: RSEMONES - Rot

Scope:

NBI: ☒ Other: ☐ Element: ☒
Underwater: ☐ Fracture Critical: ☐

INSPECTION NOTES

Diagonal crack in pier cap. It seems to be corner spalling of the pier cap (See Photo)

Structure Inventory and Appraisal Sheet (English Units)

PAST INSPECTION

Inspection Date: 11/30/2007

Type: 2 Standard (24 months)

Inspector: DLARKIN

Pontis User Key: DLARKIN - Denny

Scope:

NBI: ☒Other: ☐Element: ☒Underwater: ☐Fracture Critical: ☐

INSPECTION NOTES

—

PAST INSPECTION

Inspection Date: 11/01/2005

Type: 1 SIA (Initial Inventory)

Inspector: DLARKIN

Pontis User Key: DLARKIN - Denny

Scope:

NBI: ☒Other: ☐Element: ☐Underwater: ☐Fracture Critical: ☐

INSPECTION NOTES

—

INSPECTOR WORK CANDIDATES

Appendix I – Project Team Meeting Minutes

MEETING MINUTES

Project: Pre-Design Scoping Study for 2-8300, 2-8631, 2-8632

Purpose: Project Team Meeting

Place: Kentucky Transportation Cabinet (KYTC), District 2 Conference Room, Madisonville, Ky.

Meeting Date: April 18, 2011

In Attendance:

Nick Hall	KYTC-D2 Planning
Kevin McClearn	KYTC-D2 C.D.E.
Everett T. Green	KYTC-D2 Project Development
John Rudd	KYTC-D2 Design
Steve Ross	KYTC-CO Planning
Jill Asher	KYTC-CO Planning

INTRODUCTIONS: Jill opened the Project Team Meeting by discussing the purpose of the DNA Studies. Similar studies to these, formerly known as First Look Studies and Pre-Design Scoping Studies, have been done in the past by some of the districts. It is anticipated that a study of this type will be done for every project preceding the design phase if there is no planning study associated with the project. The nine elements of Purpose and Need as defined by NEPA will be addressed and used to create a purpose and need statement for each project. Pre-Design Scoping Studies will also provide more defined project scopes, cost estimates for possible alternatives, potential environmental impacts, and other information that will be of assistance in the Phase I Design process. This study was done for Item Numbers 2-8300, 2-8631, 2-8632 in Daviess County. A handout of the meeting presentation was given to all meeting attendees. A copy of the information presented is attached to the meeting notes. A sign-in sheet was also passed around.

During the meeting, each project was discussed separately. The meeting notes will also present each project separately. Please refer to the attached presentations for each project for information discussed. The following is information from discussions during the meeting that are not documented on the attached presentations.

Item #2-8300, KY 54 in Daviess County

- Kevin McClearn gave a brief overview of some of the work planned at the ramps of the US 60/KY 54 intersection and the US 60 Extension that is currently under construction. These projects have separate funding sources than Item #2-8300. The SE quadrant of the US 60/KY 54 intersection has developed rapidly and 67 acres are currently being developed in the SW quadrant
- There is congestion in the area of the five-lane section of KY 54 near the bypass especially in the area of the Highland Elementary School. When school is in session, the back-up from the school reduces the roadway to one through lane. In

the past the ramp backed up to US 60(formerly US 60 Bypass) during school time. A loop was put in place to give added green time to the signal in the afternoons to eliminate back-ups onto US 60.

- Of the three projects discussed, this one is most likely to be designed first.
- There was a drop in ADT for what is referenced as Section 2 in the attached presentation. Nick stated that this may be due to a back way to Wal-Mart opening up for local residents.

Item #2-8631, KY 144 in Daviess County

- In 2005, coal was being hauled regularly on this road. There was a safety concern, especially for school busses, sharing this road with large coal haul trucks.
- In 2005 The Daviess County Fiscal Court asked KYTC if they could provide construction funds if the county used its coal severance money for design, property acquisition, and utility relocation to straighten out eight curves near Pleasant Valley Road. Since then, the amount and frequency of coal hauled on the road has decreased. It is unknown if the County is still willing to provide money for the project.
- Item #2-8631 is additional funds for Item #2-194.
- The preferred alternative for this project is the revision of the curves that have been identified. There is not enough money allocated to improve the length of the corridor.

Item #2-8631, KY 1554 in Daviess County

- This project was probably placed in the Highway Plan by a former Legislator from Sorgho.
- Although the project calls for a new route, the crash and traffic data do not support the need. The probable location of the new corridor may result in property owner disputes.
- Widening the existing corridor would result in major impacts to residents in the study area.
- This project has a PIF, but Nick believes it is on the inactive list.
- Improvements to the intersection of KY 1554/KY 56 may be a more logical approach.

NEXT STEPS: The district agreed to provide planning level, phased cost estimates for the alternates they would like to see move forward.

The meeting was followed by a visit to the site by Central Office Planning staff.

END OF MINUTES

**KY 54
Daviess County
Item #2-8300.00**

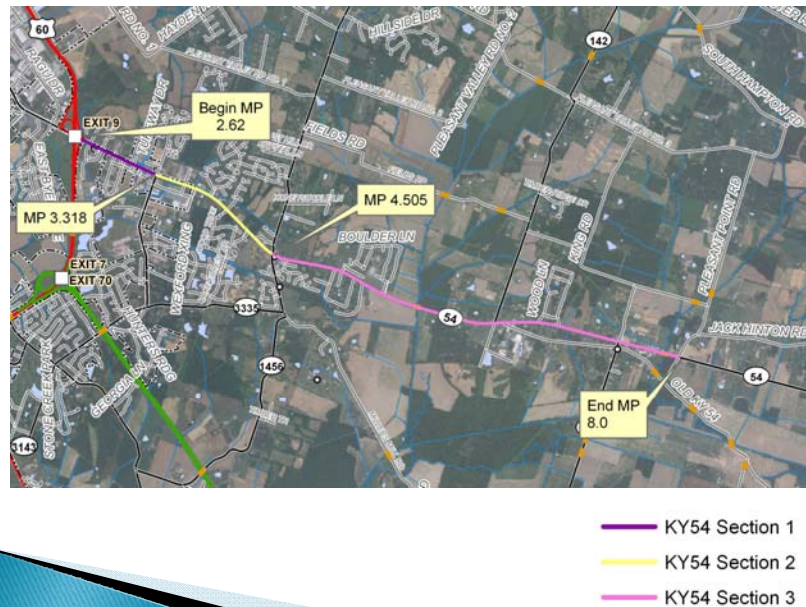


**Data Needs Analysis
April 18, 2011**

Agenda

- ▶ Introductions
- ▶ Project Purpose & Need Checklist
- ▶ Other Considerations
- ▶ Observations
- ▶ Possible Alternatives
- ▶ Potential Conflicts
- ▶ Draft Purpose & Need

Project Limits



9 Elements of a Purpose and Need Statement

- ❑ Legislation
- ❑ Project Status
- ❑ System Linkage
- ❑ Modal Interrelationships
- ❑ Social Demands or Economic Development
- ❑ Transportation Demand
- ❑ Capacity
- ❑ Safety
- ❑ Roadway Deficiencies

Legislation

2010 General Assembly's Enacted Roadway Plan

▶ **Item #2-8300.00, Daviess County**

<u>Phase</u>	<u>Fund</u>	<u>Year</u>	<u>Estimate</u>
D	SPP	2010	\$2,820,000
R	SP	2011	\$7,700,000
U	SP	2012	\$17,040,000

WIDENING KY-54 FROM THE US-60 BYPASS TO WHITESVILLE
FROM MILEPOST 4.51 TO MILEPOST 8.0

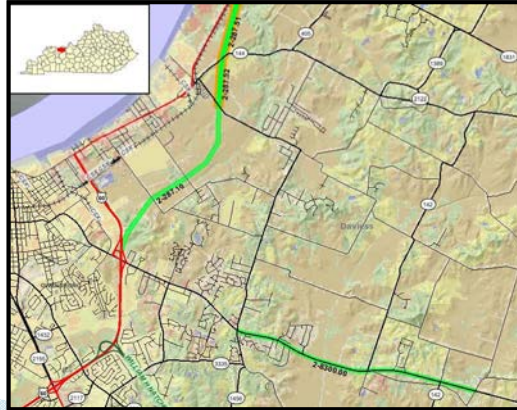
Purpose and Need: RELIABILITY/ MAJOR WIDENING

Project Status

- ▶ \$2,820,000 of design funds were authorized on March 22, 2011
- ▶ This project was proposed to be a second section of the continuation of widening KY 54 from US 60 to Whitesville.
- ▶ There is a PIF (02 030 D0054 18.00) with a project description of major widening to 5 lanes from Thruston-Dermont Road to Jack Hinton Road. It was ranked high locally, but not ranked regionally or by the district.
- ▶ There has recently been an interest to include widening the segment of KY 54 from US 60 to KY 3143 to 7 lanes.
- ▶ Improvements to the ramps to US 60 are currently in the Design phase.

Project Status (cont.)

- ▶ Another project, Item #2-287.10, is relocating US 60 just north of its interchange with KY 54. It is currently under construction.



System Linkage



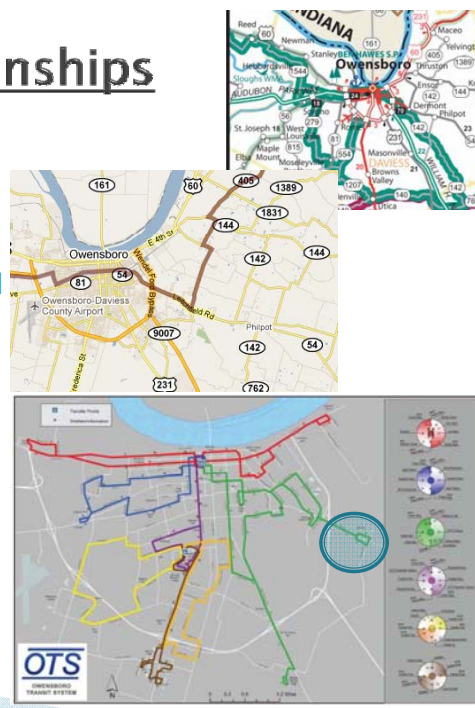
KY 54 connects Whitesville to Owensboro.

KY 54 Road Classifications

- Functional Classification –
 - Sections 1 & 2 – Urban Principal Arterial
 - Section 3 – Urban Minor Collector
- State System –
 - Sections 1 & 2 – State Primary
 - Section 3 – State Secondary
- Truck Weight Classification – AAA
- Access – By Permit

Modal Interrelationships

- ▶ Designated Bike Route –
 - Sections 1 – Ramblin' River Tour
 - Section 1 & 2 – Underground Railroad Tour
- ▶ Public Transit
 - Owensboro Transit System
 - GRITS – on call service



Social Demands & Economic Development

Social Demands

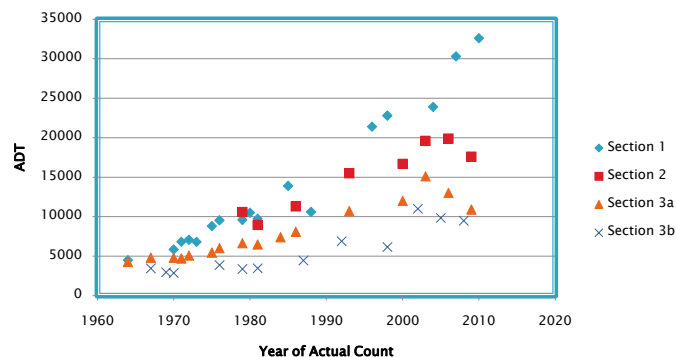
- ▶ New Hospital
- ▶ Schools

Economic Development

- ▶ Most of the recent growth in Owensboro has been on this corridor. It is expected that development will continue in the study area will continue.

Transportation Demand

The current ADT is approximately 32,000 to 10,000 along this corridor.



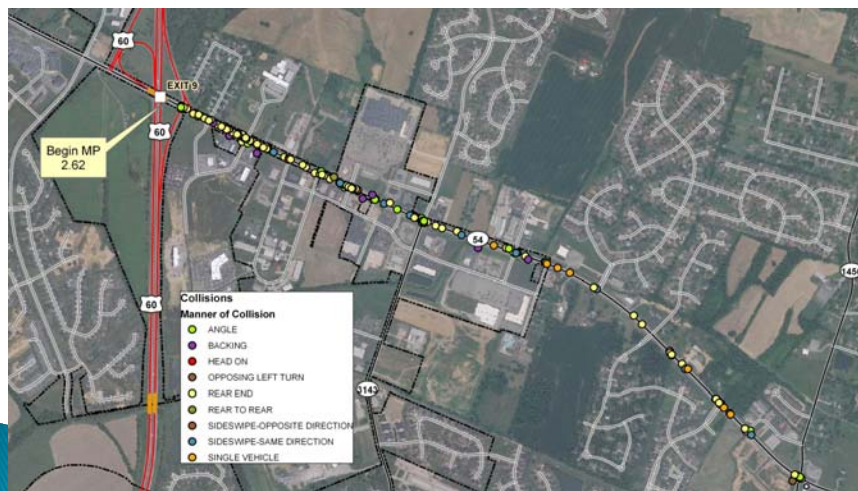
Note: Section 3a - MP 4.505 to MP 6.447
Section 3b - MP 6.447 to MP 8.0

Capacity

- ▶ VSF
 - Section 1 - 0.39
 - Section 2 - 0.27
 - Section 3 - 0.37

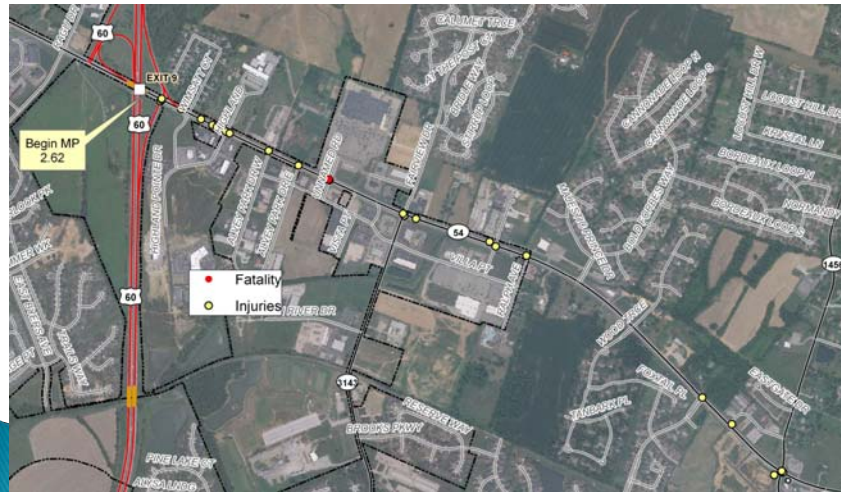
Safety

Collision Locations (January 1, 2008 to December 31, 2010)
Segments 1 & 2



Safety

Injury & Fatality Locations (January 1, 2008 to December 31, 2010) - Segments 1&2

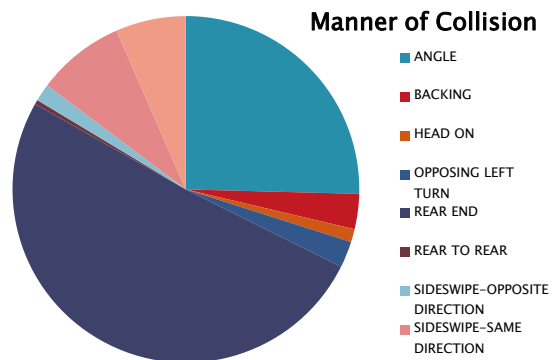


Safety

(January 1, 2008 to December 31, 2010) - Segments 1&2

Summary:

- 1 fatality
- 35 Injury collisions
- 244 Total collisions
- Seg. 1 CRF = 1.10
- Seg. 2 CRF = 0.54



Safety

Collision Locations (January 1, 2008 to December 31, 2010) Segment 3



Safety

Injury Locations (January 1, 2008 to December 31, 2010) - Segment 3



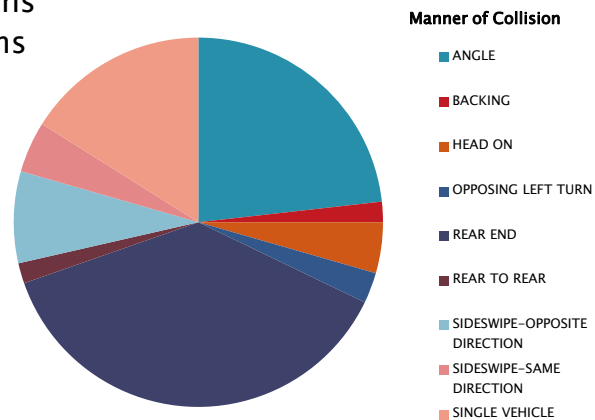
Note: No fatalities were reported on this segment during the analysis period.

Safety

(January 1, 2008 to December 31, 2010) – Segment 3

► **Summary:**

- 0 fatalities
- 29 Injury collisions
- 96 Total collisions
- CRF = 0.55



Roadway Deficiencies Sections 1 & 2

► **Existing Roadway Data**

- 12 Ft. Lanes
- 4 Ft. Sidewalks
- Max Grade = 3%
- Min Radius = 1910 Ft.
- 45–55 MPH posted speed limit
- 47th – 84th percentile Adequacy Ratings

• **Geometric Practices for Urban Arterials**

- Min. 11 Ft. Lanes
- Min. 4 Ft. Sidewalks
- Max Grade = 6%
- Min Radius = 1065 Ft.

Roadway Deficiencies

Section 3

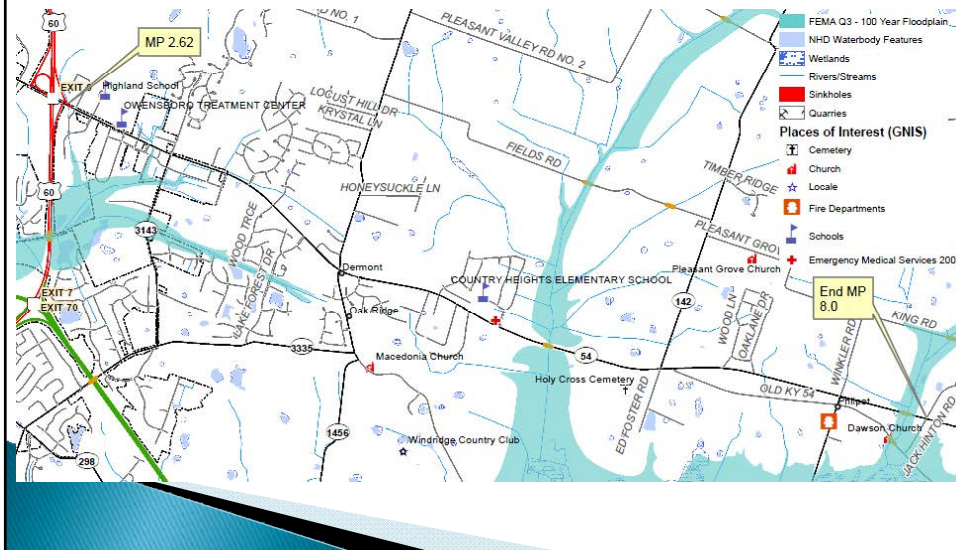
- ▶ Existing Roadway Data
 - Currently a Rural Template
 - No Sidewalks
 - Max Grade = 4%
 - Min Radius = 1910 Ft.
 - 45–55 MPH posted speed limit
 - 95th percentile Adequacy Ratings
- Geometric Practices for Urban Arterials
 - Min. 11 Ft. Lanes
 - Min. 4 Ft. Sidewalks
 - Max Grade = 6%
 - Min Radius = 1065 Ft.

Roadway Deficiencies

Bridge Data

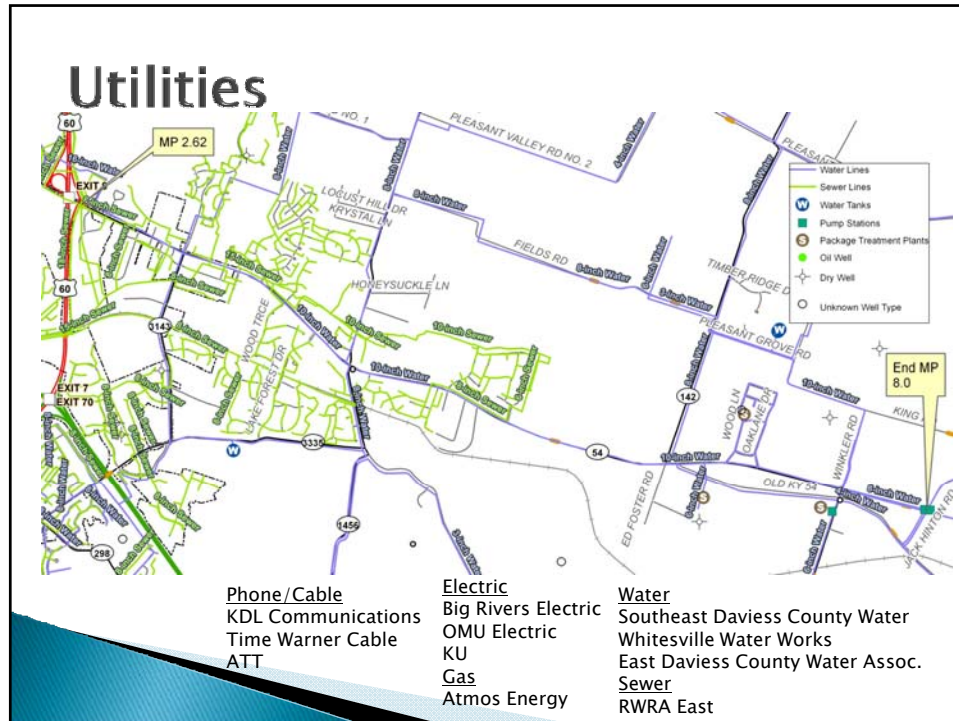
- | | |
|---|---|
| <ul style="list-style-type: none"> ▶ 030B0017N <ul style="list-style-type: none"> ◦ Bridge over Barnett Creek ◦ Length – 99.1 ft ◦ Width curb to curb – 25.9 ft ◦ SR=66 ◦ FO – Substandard Bridge Rail | <ul style="list-style-type: none"> ▶ 030B0018N <ul style="list-style-type: none"> ◦ Bridge over Caney Creek ◦ Length – 84.0 ft ◦ Width curb to curb – 27.9 ft ◦ SR=66 ◦ FO – Substandard Bridge Rail |
|---|---|

Environmental Considerations



Environmental Considerations

- ▶ Preliminary Environmental Overview
 - Additional R/W would require Phase I archaeology survey.
 - Several threatened and endangered species have been identified in Daviess County.
 - Impact to the two gas stations located on the project would require a Phase II Hazardous Material investigation. Impact to the two bridges may require testing for asbestos mastic.
 - Several homes on the project were noted as being 50 years old or older.



Observations

(Video & Pictures)

KY 54 at Walmart Intersection



KY 54 5-Lane Section



KY 54 Nearing the End of Section 2



KY 54/KY 1456 Intersection



KY 54 Intersection with Countryside Drive (School & Residential Area)



KY 54 Misc. Pictures



KY 54 Intersection with Jack Hinton Road



Possible Alternatives

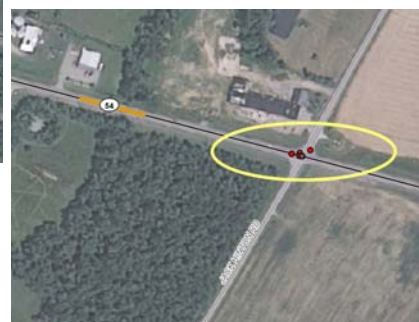
- ▶ No Build
- ▶ Widen Section 1 to 7 lanes and widen Section 3 to 3 lanes from KY 1456 to Countryside Drive
- ▶ Turning Lanes at KY 54 Intersections with Waterwheel Way, Stonegate Drive, and Jack Hinton Road

Widen KY 54, Sections 1 & 3



This option would widen Section 1 to 7 lanes (6 thru, 1 TWLTL) and part of Section 3 (End MP TBD) to 3 lanes (2 thru, 1 TWLTL)

Proposed Turn Lanes



Potential Conflicts

- ▶ Utilities
- ▶ R/W issues

Purpose & Need Statement(s)

- ▶ Needs
 - KY 54 near the interchange with US 60 is congested during peak traffic periods. Growth along this corridor is expected to continue.
 - There are collision patterns at intersections with KY 54.
 - KY 54 connects the communities of Whitesville and Owensboro
- ▶ Purpose
 - The purpose of this study is to address the congestion of KY 54 during peak periods and to improve the safety, mobility, and connectivity between Owensboro and Whitesville.

Appendix A - Exhibits

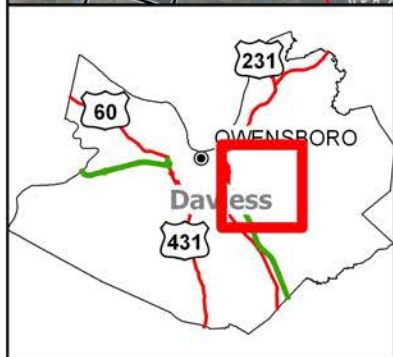
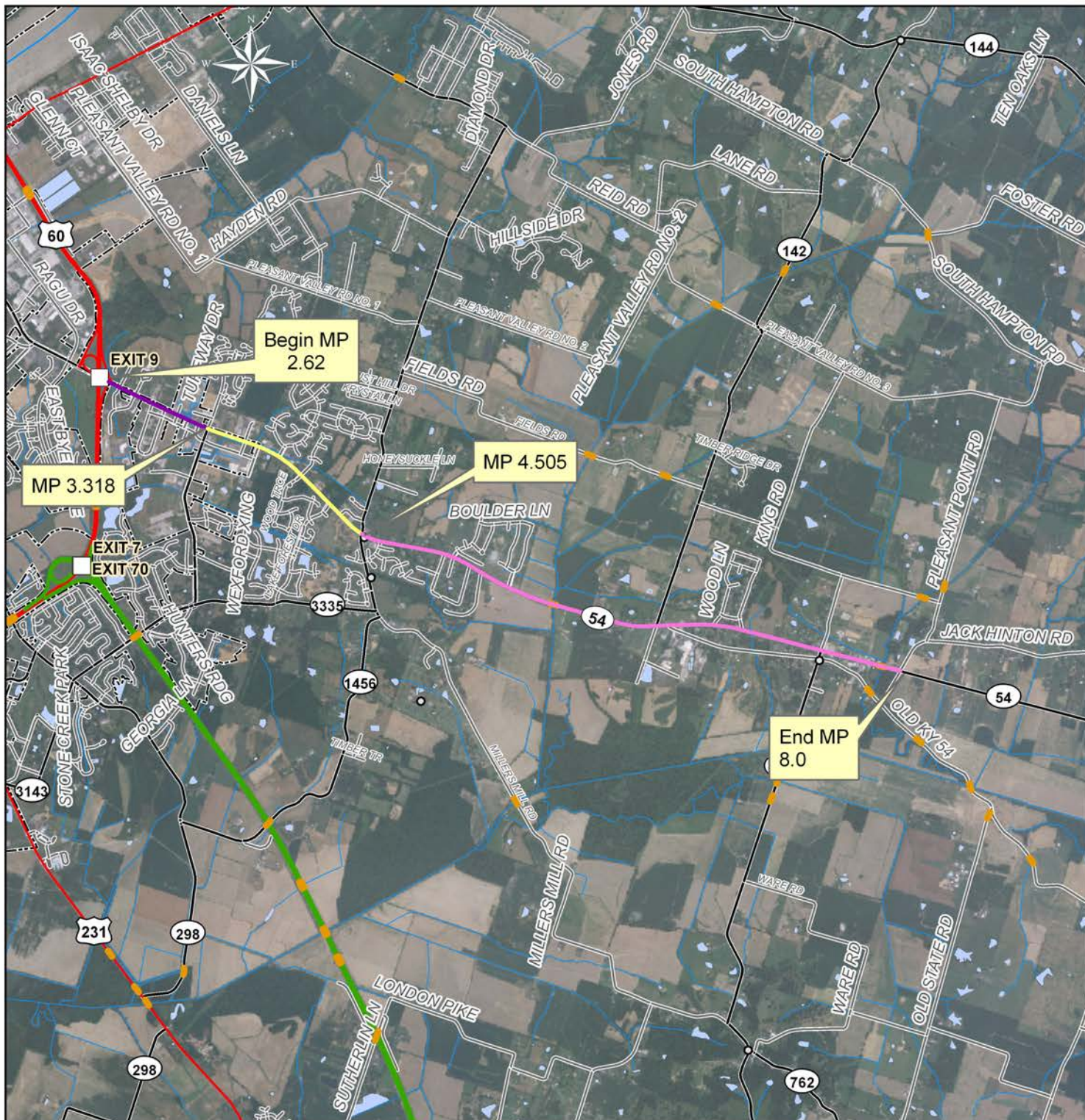
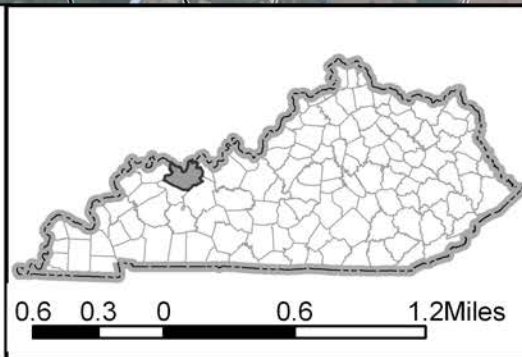


Exhibit 1: Location Map
Davies County
Item # 2-8300.00
KY 54

Legend

- KY54 Section 1
- KY54 Section 2
- KY54 Section 3



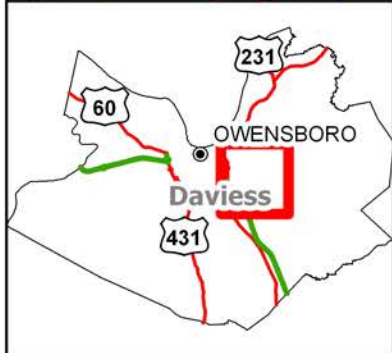
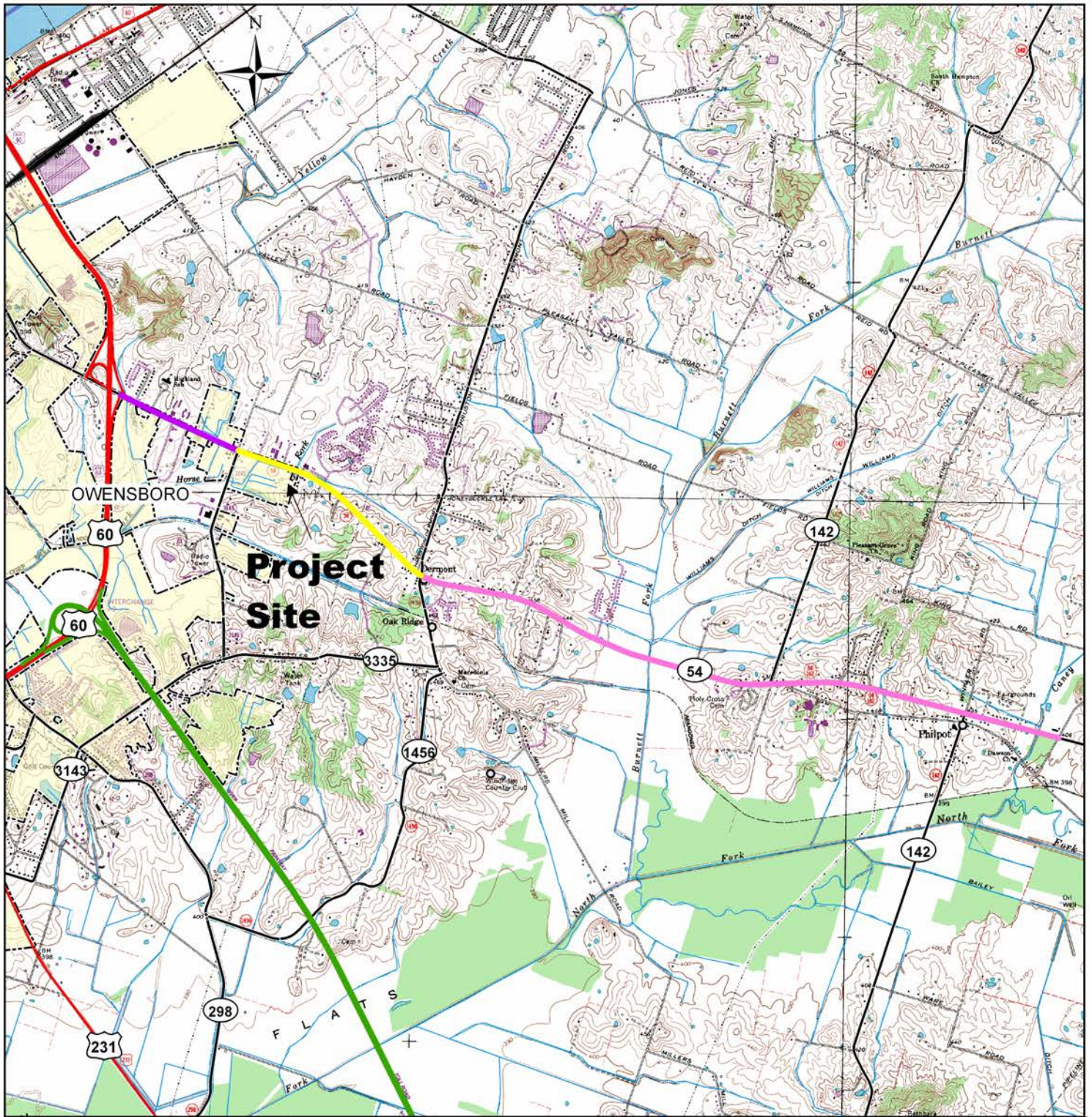
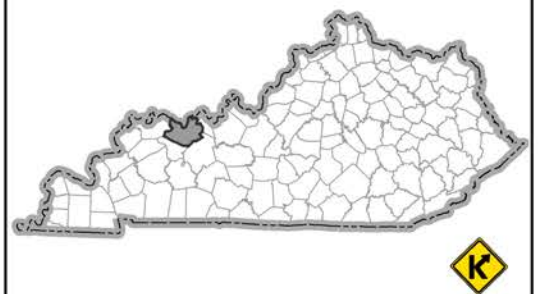


Exhibit 2: Topographic Map
Davies County
Item # 2-8300.00
KY 54

0.4 0.2 0 0.4 0.8 Miles



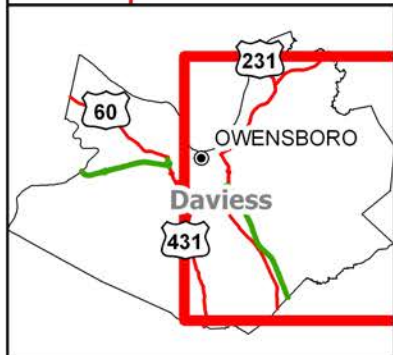
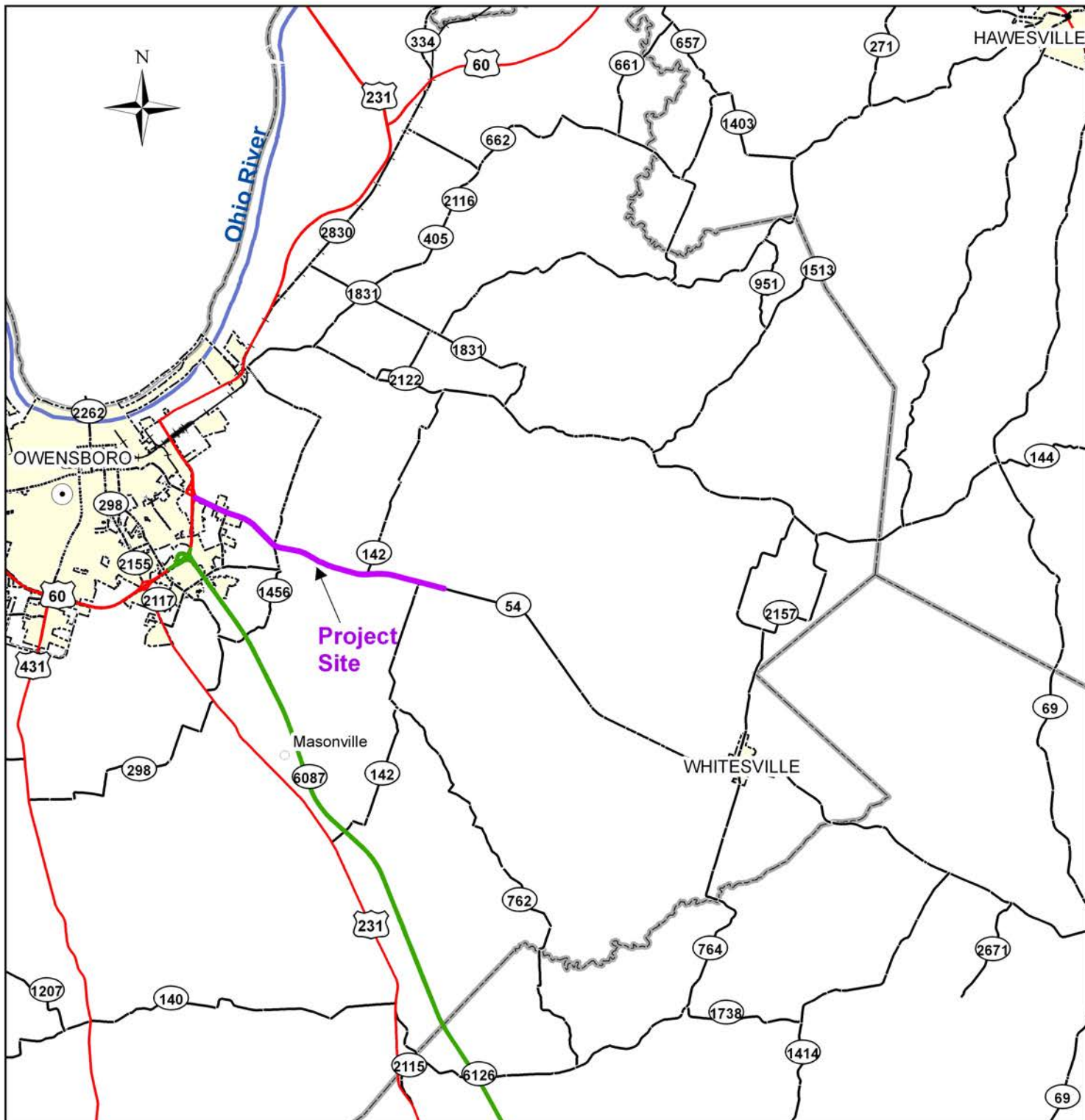


Exhibit 3: Systems Linkage Map
Davies County
Item # 2-8300.00
KY 54

1 0.5 0 1 2 Miles

