

2.0 METHODOLOGY

2.1 Field Investigations

The Route 40 Improvements project has been characterized by a high degree of coordination between DeIDOT and the Delaware State Historic Preservation Office (SHPO). An initial field view on the project was held March 1, 2002, featuring representatives of DeIDOT, the SHPO, Whitman, Requardt and Associates (the prime engineering contractor), and Skelly and Loy. The purpose of the field view was three-fold: to explain the nature of the project to the Delaware SHPO; to assess areas for future geomorphological/Phase I archaeological investigations; and to assess the types of historic structures likely to be found within the project APE. At that time, 22 architectural resources 50 years old or older were preliminarily identified, although the full extent of the project was not known at that time. The resources ranged in age from mid-nineteenth century farmsteads to mid-twentieth century vernacular style houses. Five resources previously evaluated for the NRHP were also noted: the Aiken's Tavern Historic District (N-3875), a NRHP-listed resource located at the intersection of Route 40 and old Route 896 (Glasgow Avenue); the Hermitage (N-3990), a NRHP-eligible nineteenth century farm located on the north side of Route 40 to the east of the Aiken's Tavern Historic District; State Bridge Number 363 (N-12626), a structure determined not eligible for listing as part of the Delaware State Historic Bridge Survey Update; Cumberland Farms (N-5083), a residence located at the southwest corner of Route 40 and Church Road determined not eligible for NRHP listing as part of the Church Road Improvement project (Traver and Thomas 2001; Davis, personal communication 2002); and Schoolhouse No. 56 (N-3881), located on Glasgow Avenue north of Route 40. Another resource, the Bear Historic District, was evaluated as eligible for listing in the NRHP as part of the Eden Square Connector project (Traver and Thomas 2002), but concurrence with the recommendation has not been received.

Following the field view, previously completed cultural resource investigation reports for projects that intersected or overlapped the Route 40 project were reviewed for additional information, including an architectural survey of old Route 896 (Bowers 1987), an architectural survey for the uncompleted U.S. Route 301 project (Siders *et al.* 1993), the Church Road report (Traver and Thomas 2001), and the Eden Square report (Traver and Thomas 2002).

A detailed field investigation of historic resources within the APE was undertaken in August 2002. The investigations included coordination with the SHPO on previously surveyed resources and relevant historic contexts. Each resource built prior to 1960 was photographed

using 35mm black and white photography, including those resources previously surveyed but lacking a NRHP evaluation. At that time, a total of 38 resources was identified as potentially eligible for listing in the NRHP. For resources where this had not been done previously, Delaware Cultural Resource Survey (CRS) forms were completed and CRS numbers were assigned to the resources. In October 2002, the extent of roadway improvements along S.R. 72 became known. At that time, all resources built prior to 1960 along that road were field surveyed. The property of one resource previously listed in the NRHP, the James Stewart House (N-1089), falls partially within the APE. The resources are shown on the Plan View (Figure 2).

2.2 Background Research

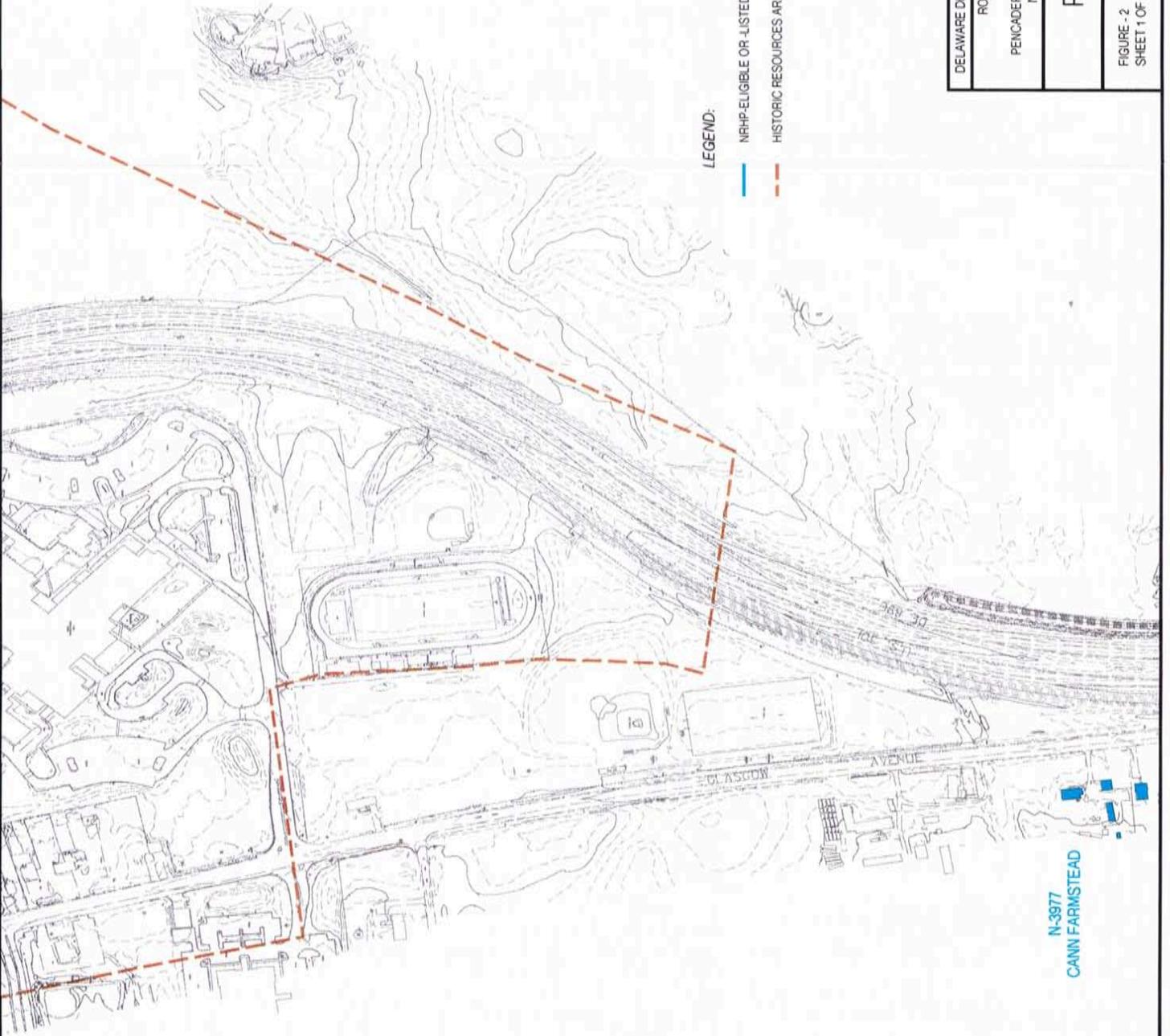
Preliminary background research on the project APE and New Castle and Pencader hundreds was conducted in August 2002. More intensive research was undertaken in October 2002. Repositories visited included the Delaware SHPO and the Delaware State Archives, both in Dover, the Historical Society of Delaware (HSD) in Wilmington, the Morris Library of the University of Delaware in Newark, and the Carnegie Library of Pittsburgh. Source material employed included historic maps and atlases, state histories, census records, railroad histories, and industrial studies. Research on specific historic resources within the APE, including deed research, was also undertaken in August 2002 at the HSD, the New Castle County Recorder of Deeds office in Wilmington, and the Morris Library. Additional research on individual properties was completed in October 2002.

2.3 Preliminary Presentation of Results

A draft version of this report was submitted for review in February 2003 (Kuncio and Hyland 2003). The report included a project description, historic contexts, and CRS forms.

Brief comments were received from the Delaware SHPO in June 2003, followed by detailed comments in February 2004. This report has been revised to address those comments.

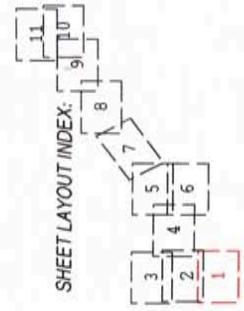
MATCH TO SHEET 2 OF 11



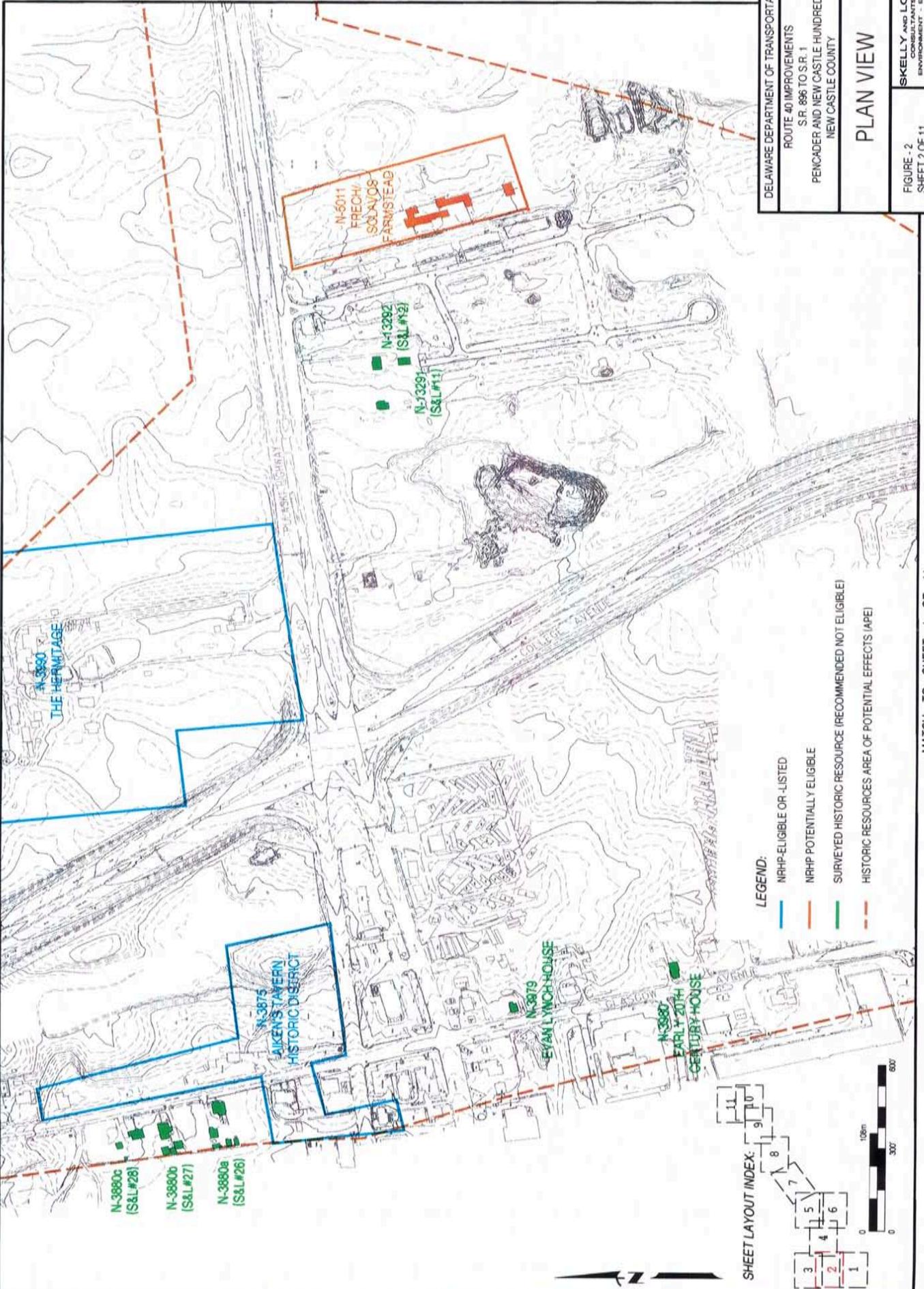
LEGEND:

— NHP-ELIGIBLE OR LISTED

- - - HISTORIC RESOURCES AREA OF POTENTIAL EFFECTS (APEI)

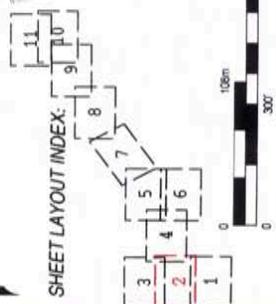


DELAWARE DEPARTMENT OF TRANSPORTATION
ROUTE 40 IMPROVEMENTS S.R. 886 TO S.R. 1 PENCADER AND NEW CASTLE HUNDREDS NEW CASTLE COUNTY
PLAN VIEW
FIGURE - 2 SHEET 1 OF 11
SKELLY AND LOY, INC. CONSULTANTS IN ENVIRONMENTAL AND ENGINEERING - PLANNING



LEGEND:

- NHP-ELIGIBLE OR -LISTED
- NHP POTENTIALLY ELIGIBLE
- SURVEYED HISTORIC RESOURCE (RECOMMENDED NOT ELIGIBLE)
- HISTORIC RESOURCES AREA OF POTENTIAL EFFECTS (APE)



DELAWARE DEPARTMENT OF TRANSPORTATION
 ROUTE 40 IMPROVEMENTS
 S.R. 886 TO S.R. 1
 PENCADER AND NEW CASTLE HUNDREDS
 NEW CASTLE COUNTY

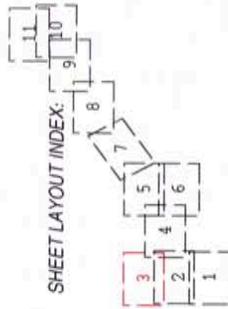
PLAN VIEW

FIGURE - 2
 SHEET 2 OF 11

SKELLY AND LOY, INC.
 CONSULTANTS IN
 ENVIRONMENT - ENERGY
 ENGINEERING - PLANNING

LEGEND:

-  NRHP-ELIGIBLE OR -LISTED
-  SURVEYED HISTORIC RESOURCE (RECOMMENDED NOT ELIGIBLE)
-  HISTORIC RESOURCES AREA OF POTENTIAL EFFECTS (APE)



DELAWARE DEPARTMENT OF TRANSPORTATION	
ROUTE 40 IMPROVEMENTS	
S.R. 886 TO S.R. 1	
PENCADER AND NEW CASTLE HUNDREDS	
NEW CASTLE COUNTY	
PLAN VIEW	
FIGURE - 2	SKELLY AND LOY, INC. CONSULTANTS IN ENGINEERING - PLANNING
SHEET 3 OF 11	

MATCH TO SHEET 2 OF 11

LEGEND:

- PREVIOUSLY SURVEYED HISTORIC RESOURCE (NOT ELIGIBLE)
- SURVEYED HISTORIC RESOURCE (RECOMMENDED NOT ELIGIBLE)
- HISTORIC RESOURCES AREA OF POTENTIAL EFFECTS (APE)

MATCH TO SHEETS 5 AND 6 OF 11

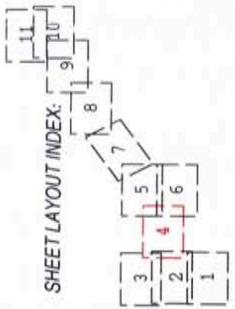
BROADLEA DRIVE

N-12626
STATE BRIDGE
NUMBER 363

N-5203
(S&L#10)

AIKEN AVENUE

MATCH TO SHEET 2 OF 11



DELAWARE DEPARTMENT OF TRANSPORTATION
ROUTE 40 IMPROVEMENTS
S.R. 696 TO S.R. 1
PENCADER AND NEW CASTLE HUNDREDS
NEW CASTLE COUNTY

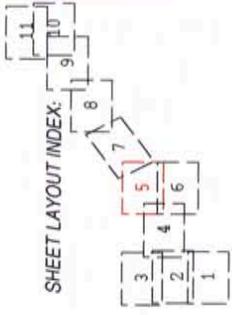
PLAN VIEW

SKELLY AND LOY, INC.
CONSULTANTS IN
ENVIRONMENT - ENERGY
ENGINEERING - PLANNING

FIGURE - 2
SHEET 4 OF 11

LEGEND:

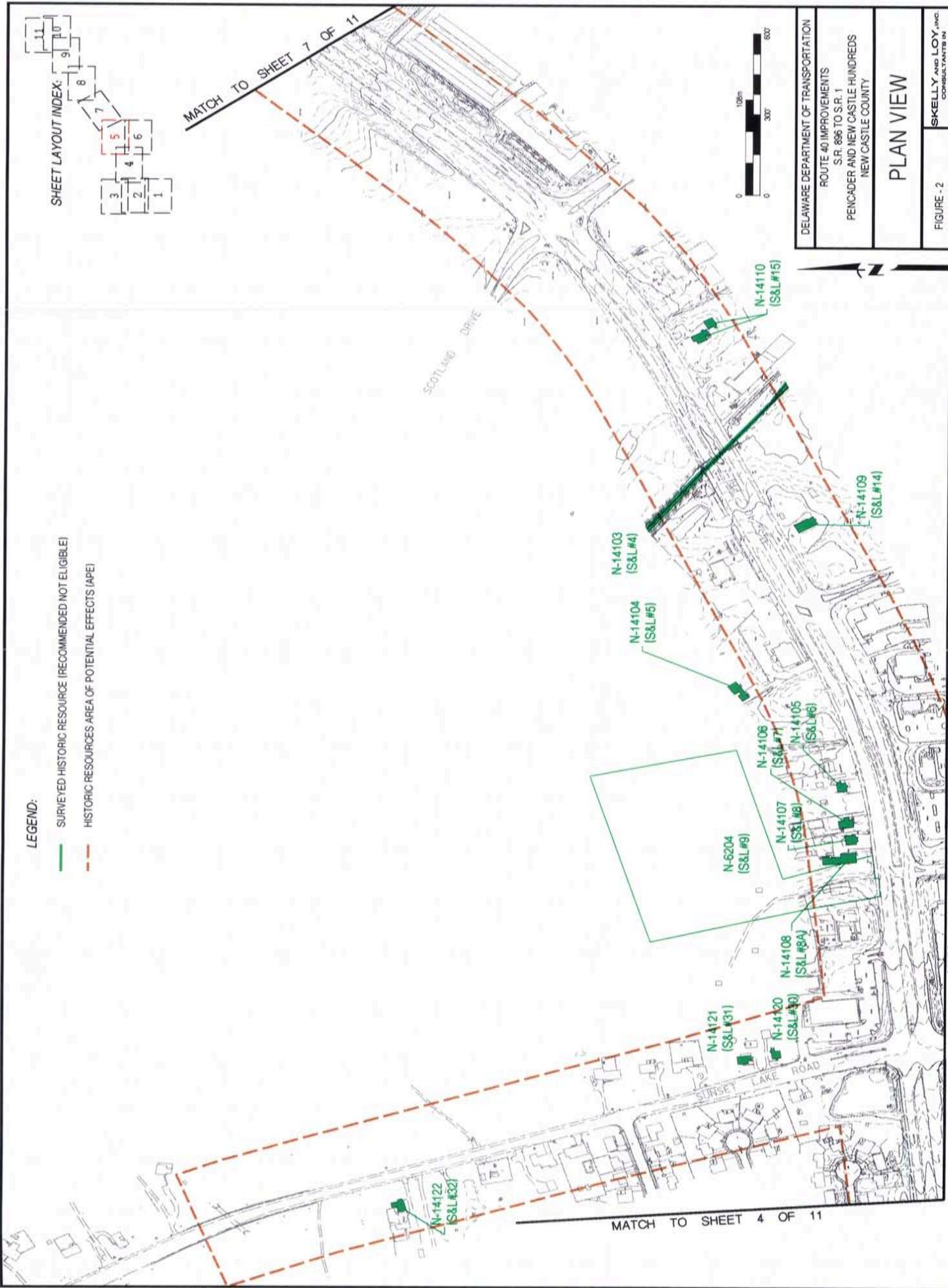
- SURVEYED HISTORIC RESOURCE (RECOMMENDED NOT ELIGIBLE)
- - - HISTORIC RESOURCES AREA OF POTENTIAL EFFECTS (APE)



MATCH TO SHEET 7 OF 11



DELAWARE DEPARTMENT OF TRANSPORTATION
ROUTE 40 IMPROVEMENTS
S.R. 896 TO S.R. 1
PENCADER AND NEW CASTLE HUNDREDS
NEW CASTLE COUNTY
PLAN VIEW
SKELLY AND LOY, INC. CONSULTANTS IN TRANSPORTATION HISTORY ENGINEERING - PLANNING
FIGURE - 2 SHEET 5 OF 11



MATCH TO SHEET 6 OF 11

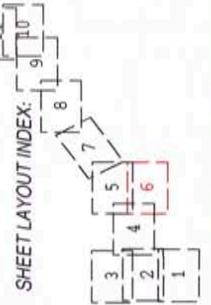
MATCH TO SHEET 4 OF 11

MATCH TO SHEET 5 OF 11

MATCH TO SHEET 4 OF 11

LEGEND:

- SURVEYED HISTORIC RESOURCE (RECOMMENDED NOT ELIGIBLE)
- NRHP-ELIGIBLE OR -LISTED
- PROPOSED NRHP BOUNDARY EXPANSION
- HISTORIC RESOURCES AREA OF POTENTIAL EFFECTS (APE)

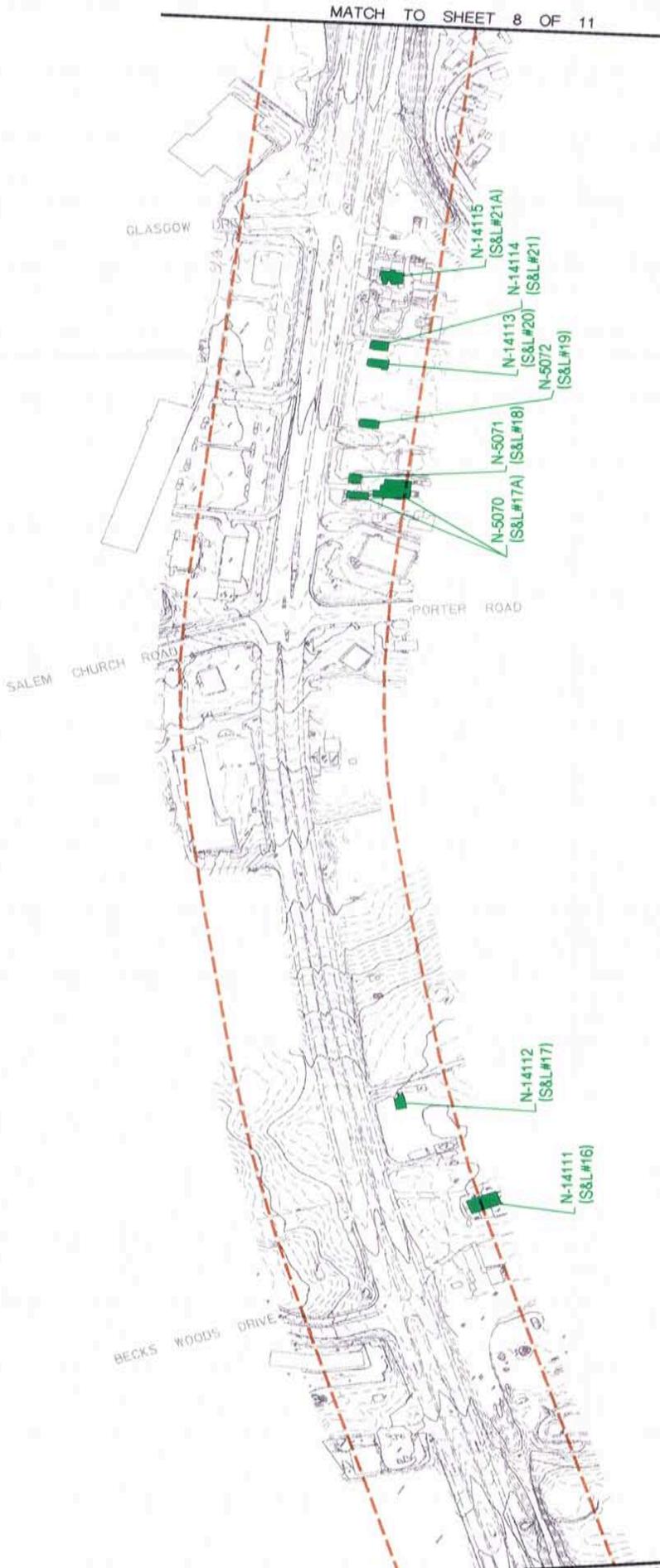


N-1089
JAMES STEWART
HOUSE

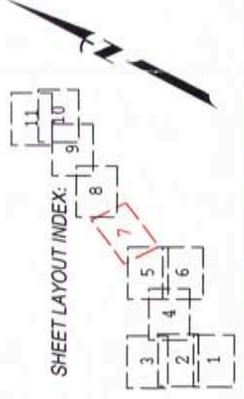
N-9978

DELAWARE DEPARTMENT OF TRANSPORTATION	
ROUTE 40 IMPROVEMENTS S.R. 896 TO S.R. 1 PENCADER AND NEW CASTLE HUNDREDS NEW CASTLE COUNTY	
PLAN VIEW	
FIGURE - 2	SHELLY AND LOY, INC. CONSULTANTS IN ENVIRONMENT - ENERGY ENGINEERING - PLANNING
FIGURE - 2 SHEET 6 OF 11	

MATCH TO SHEET 8 OF 11



DELAWARE DEPARTMENT OF TRANSPORTATION	
ROUTE 40 IMPROVEMENTS	
S.R. 896 TO S.R. 1	
PENCADER AND NEW CASTLE HUNDREDS	
NEW CASTLE COUNTY	
PLAN VIEW	
FIGURE - 2	SKELLY AND LOY, INC. CONSULTANTS IN ENVIRONMENT - ENERGY ENGINEERING - PLANNING
SHEET 7 OF 11	



LEGEND:

- SURVEYED HISTORIC RESOURCE (RECOMMENDED NOT ELIGIBLE)
- - - HISTORIC RESOURCES AREA OF POTENTIAL EFFECTS (APE)

MATCH TO SHEET 5 OF 11

MATCH TO SHEET 9 OF 11

N-14102
(S&L#3)

N-5083
(S&L#23)

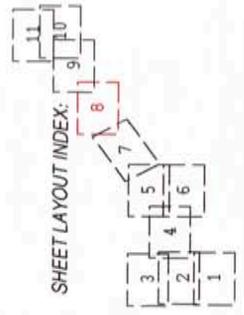
WELLINGTON DRIVE
CHURCH ROAD
S&L#22
CUMBERLAND FARM

MATCH TO SHEET 7 OF 11



LEGEND:

- PREVIOUSLY SURVEYED HISTORIC RESOURCE (NOT ELIGIBLE)
- SURVEYED HISTORIC RESOURCE (RECOMMENDED NOT ELIGIBLE)
- - - HISTORIC RESOURCES AREA OF POTENTIAL EFFECTS (APEI)

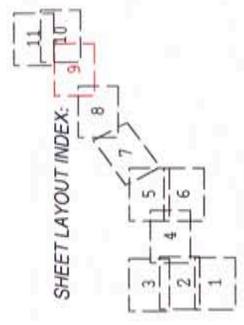


DELAWARE DEPARTMENT OF TRANSPORTATION	
ROUTE 40 IMPROVEMENTS	
S.R. 886 TO S.R. 1	
NEW CASTLE HUNDREDS	
NEW CASTLE COUNTY	
PLAN VIEW	
FIGURE - 2	SKELLY AND LOY, INC.
SHEET 8 OF 11	ENVIRONMENTAL & ENERGY ENGINEERING - PLANNING

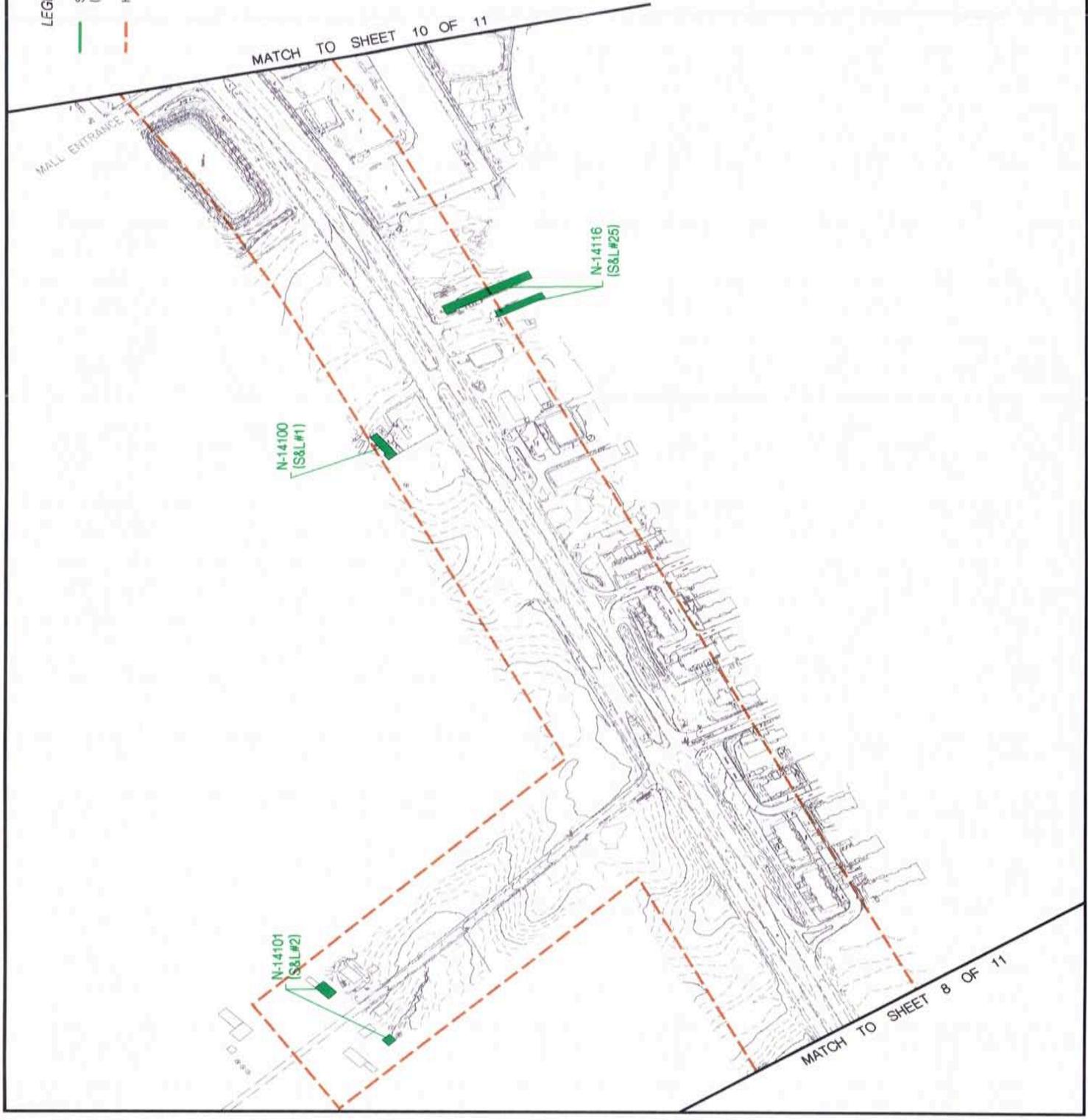
LEGEND:

SURVEYED HISTORIC RESOURCE
(RECOMMENDED NOT ELIGIBLE)

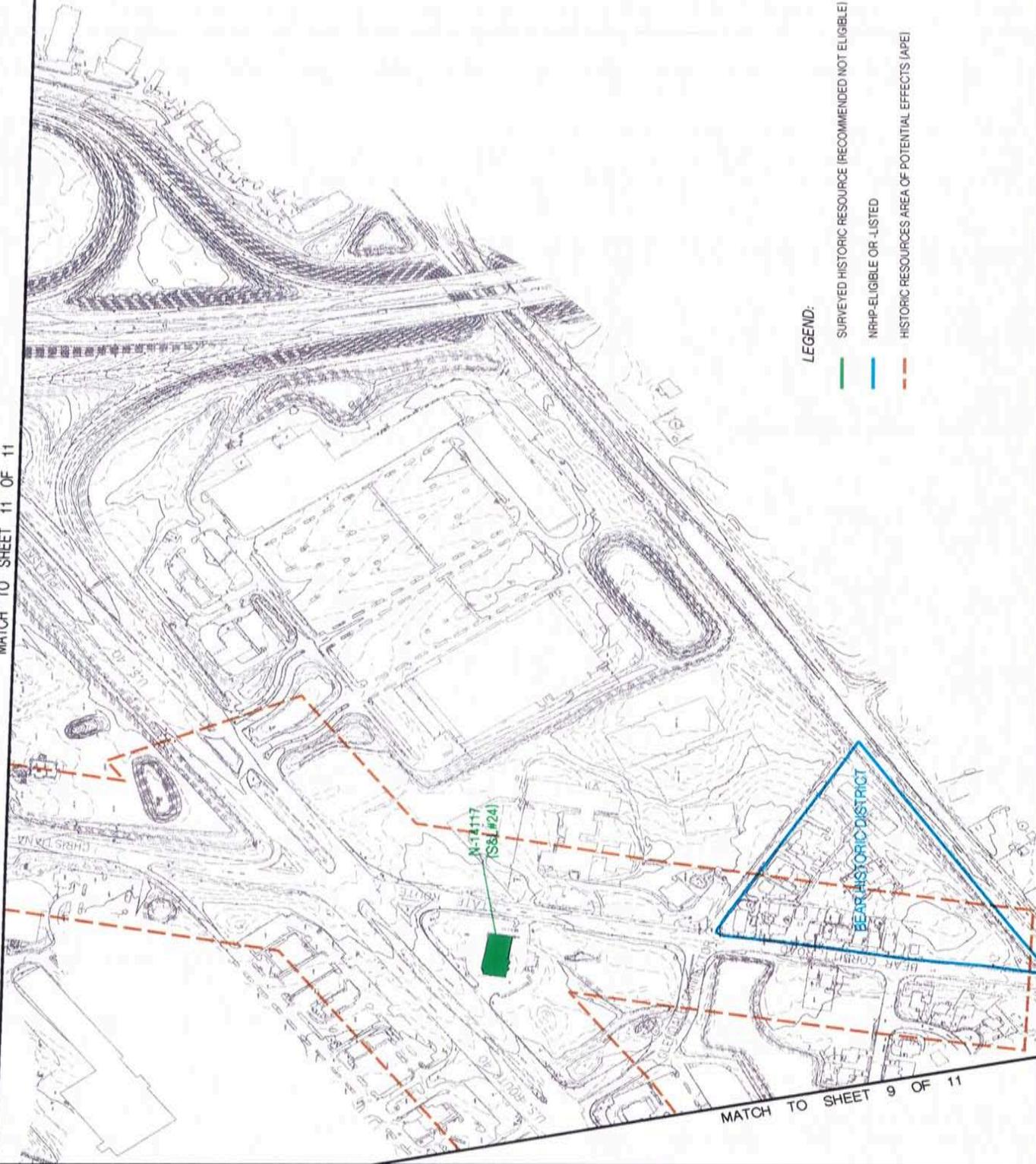
HISTORIC RESOURCES AREA OF POTENTIAL EFFECTS (APE)



DELAWARE DEPARTMENT OF TRANSPORTATION	
ROUTE 40 IMPROVEMENTS S.R. 886 TO S.R. 1 PENCADER AND NEW CASTLE HUNDREDS NEW CASTLE COUNTY	
PLAN VIEW	
FIGURE - 2 SHEET 9 OF 11	SKELLY AND LOY, INC. CONSULTANTS IN ENVIRONMENT - ENERGY ENGINEERING - PLANNING



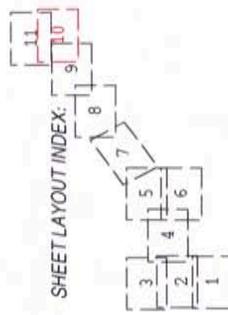
MATCH TO SHEET 11 OF 11



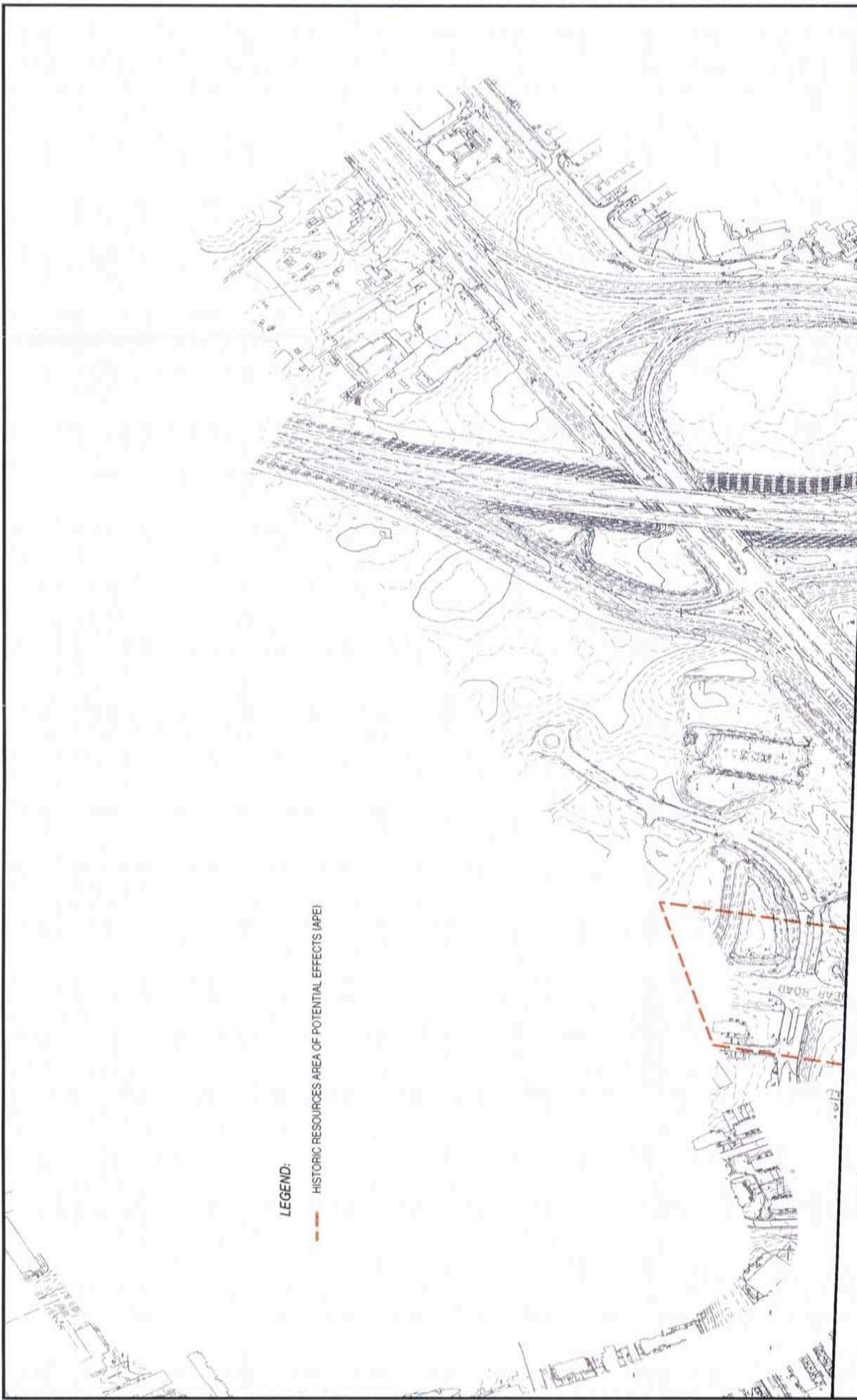
MATCH TO SHEET 9 OF 11

LEGEND:

- SURVEYED HISTORIC RESOURCE (RECOMMENDED NOT ELIGIBLE)
- NRHP-ELIGIBLE OR -LISTED
- - - HISTORIC RESOURCES AREA OF POTENTIAL EFFECTS (APE)



DELAWARE DEPARTMENT OF TRANSPORTATION	
ROUTE 40 IMPROVEMENTS	
S.R. 896 TO S.R. 1	
PENCADER AND NEW CASTLE HUNDREDS	
NEW CASTLE COUNTY	
PLAN VIEW	
FIGURE - 2	SKELLY AND LOY, INC. CONSULTANTS IN ENVIRONMENT - ENERGY ENGINEERING - PLANNING
SHEET 10 OF 11	



LEGEND:
 - - - HISTORIC RESOURCES AREA OF POTENTIAL EFFECTS (APE)

MATCH TO SHEET 10 OF 11

DELAWARE DEPARTMENT OF TRANSPORTATION	
ROUTE 40 IMPROVEMENTS	
S.R. 896 TO S.R. 1	
PENCADER AND NEW CASTLE HUNDREDS	
NEW CASTLE COUNTY	
PLAN VIEW	
FIGURE - 2	SKELLY AND LOY, INC. CONSULTANTS IN CIVIL ENGINEERING - PLANNING
SHEET 11 OF 11	



SHEET LAYOUT INDEX:

0 100m 300 500