Wetlands PQS Memorandum

DATE 6/13/2016

TO Ryan Walkowiak, NDOR EDU

FROM Roger Yerdon, NDOR EPU

SUBJECT Wetlands PQS Memo
Project No: STP-14-1(119)
Control No: 42566
Project Name: Deweese Spur North

☒A wetland delineation was completed 8/14/2013
Or
☐A desktop review was completed on Click here to enter a date.

Are there wetlands, stream channels, or other waters within the study area?
☒ Yes ☐ No

Will the action result in wetland impacts in accordance with Section 404 of the Clean Water Act and/or Nebraska State Title 117?
☒ Yes ☐ No ☐ Not Applicable

If the project is processed with a Nationwide Permit, is a Pre-construction Notification required?
☒ Yes ☐ No ☐ Not Applicable

Describe resources, <u>potential</u> impacts and anticipated permit type (*Include estimated permanent wetland impacts (acres). If known, also provide estimated temporary wetland impacts (acres), estimated channel impacts (linear feet/acres), special wetland areas, cause of impacts, and any Nationwide Permit information.*): No permanent wetland impacts are anticipated with this project. Temporary impacts associated with this project are anticipated to be approximately 0.107 acres of PEMA/PEMC wetlands, and 0.0250 ac (60.0 ft.) of filled stream channel for temporary contractor access crossings for the bridge repair at Sta. 280+50-282+78. The temporary contractor access crossing will be removed after completion of the bridge construction and the area will be graded back to pre-construction elevations. A NWP 14 – Linear Transportation Projects is anticipated for this project.

Cowardin Class Impacted (*Select all that apply*)
☒ Palustrine ☐ Riverine ☐ Lacustrine ☐ Not Applicable

Describe any coordination conducted to date with officials/agencies (*Include: Any coordination with USACE)*: N/A

Wetlands/Waters of the U.S. Mitigation
☐ On-Site/Permittee Responsible ☐ USACE Approved Mitigation Bank Site ☒ Not Applicable

Wetlands/Waters of the U.S. Commitments:
The Contractor shall not stage, store, waste or stockpile materials and equipment in undisturbed locations, or in known/potential wetlands and/or known/potential streams that exhibit a clear "bed and Bank" channel. Potential wetland areas consist of any area that is known to pond water, swampy areas or areas supporting known wetland vegetation or areas where there is a distinct difference in vegetation (at lower elevations) from the surrounding upland areas.

☒ All wetlands/waters within the project area that are not permitted for impacts will be marked on the 2W aerial sheets for the contractor as avoidance areas.

Select the following that apply:
☐ No wetland impacts are anticipated for this project; however, if impacts are found during design, the required permits shall be obtained prior to letting. NDOR Environmental shall reevaluate the project for the change in impacts. All wetlands within the project area shall be marked on the project plans or listed on Attachment 1 of the Environmental Commitment for the Contractor as avoidance areas. (NDOR Design, NDOR Environmental)

☐ The project qualifies under Nationwide Permit # Non-notifying Nationwide Permit Number. The contractor shall adhere to the permit conditions, including regional and general conditions, during construction. (Contractor)

☒ The project will require a Nationwide Permit for impacts to waters of the U.S. The permit shall be obtained prior to project letting. The contractor shall adhere to all permit conditions, including regional and general conditions, during construction. (NDOR Environmental, Contractor)

☐ The project will require a Title 117 Letter of Opinion for impacts to waters of the State. (NDOR Environmental, Contractor)

Project Description:
Project Description Date: 2/3/2016

This project will resurface 10.67 miles of N-14 located in Clay County, starting where the pavement transitions from concrete to asphalt, at mile marker (MM) 26+50, and extending north to MM 37+17, 0.27 miles south of the south corporate limits of Clay Center. Construction may begin and/or end approximately 200 feet ahead of or beyond the actual project limits to accommodate transitioning the pavement.

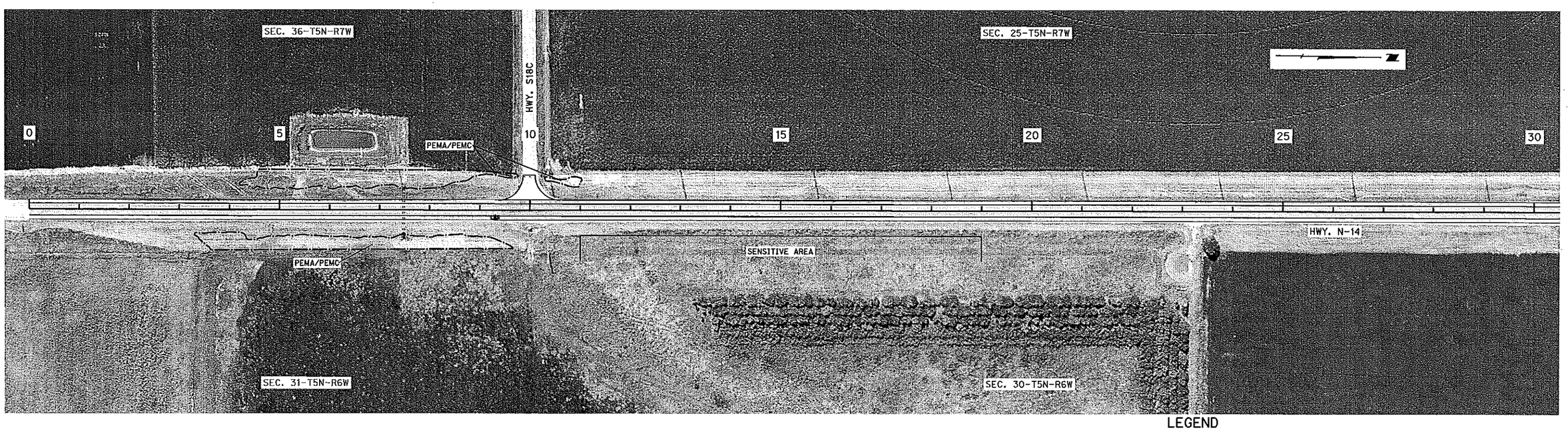
A short segment of the roadway where the bridge is being replaced (MM 31+82) will be built to New and Reconstruction minimum design standards. The extent of pavement work ahead or beyond the structure to accommodate the replacement will be determined by Roadway Design.
The existing roadway on this segment of N-14 consists of the following:

- MM 26+50 – MM 27+02: The segment consists of two 12 foot wide asphalt lanes and 10 foot wide shoulders, of which 8 feet is paved with asphalt.
- MM 27+02 – MM 27+34: The segment consists of two 12 foot wide asphalt lanes and 14 foot wide shoulders, of which a maximum of 12 feet is paved with asphalt.
- MM 27+34 – MM 30+60: The segment consists of two 12 foot wide asphalt lanes and 10 foot wide shoulders, of which 8 feet is paved with asphalt.
- MM 30+60 – MM 31+82: The segment consists of two 12 foot wide asphalt lanes and 14 foot wide shoulders, of which a maximum of 12 feet is paved with asphalt.
- MM 31+82 – MM 37+17: The segment consists of two 12 foot wide asphalt lanes and 10 foot wide shoulders, of which 8 feet is paved with asphalt.

PROJECT NO.	SHEET NO.
14-1(119)	2-W1

C.N. 42566

PRELIMINARY PLAN
NOT FINAL - SUBJECT TO CHANGE



DEWEESE SPUR NORTH

CLAY COUNTY

LEGEND

- LIMITS OF CONSTRUCTION
- WETLANDS - DO NOT DISTURB
- IMPACTED WETLANDS
- TEMPORARY IMPACTED WETLANDS

DATE: 2011
FLIGHT: ESRI
SCALE: 1"=100'

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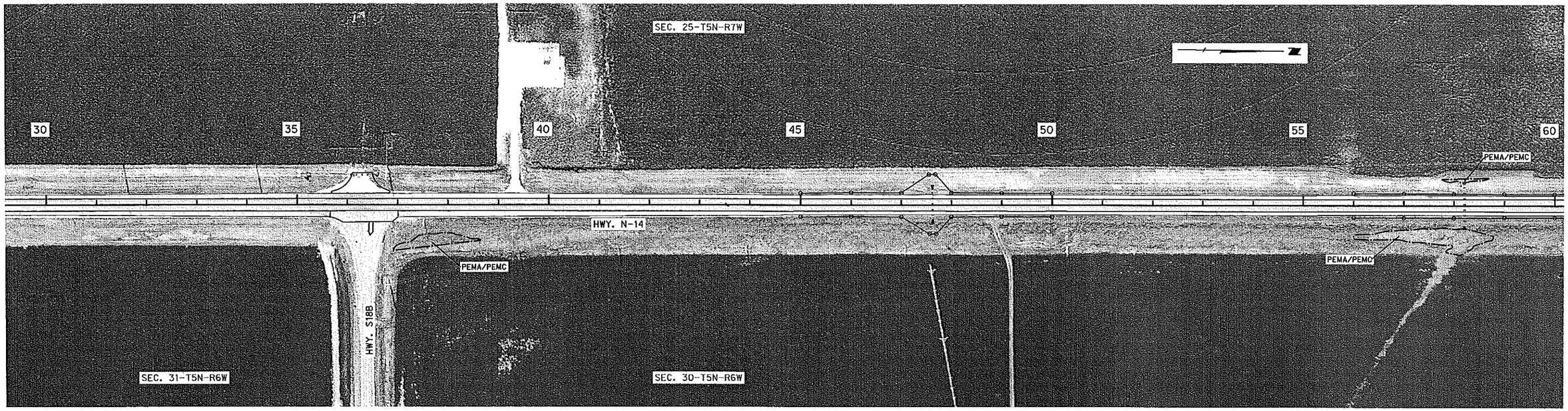
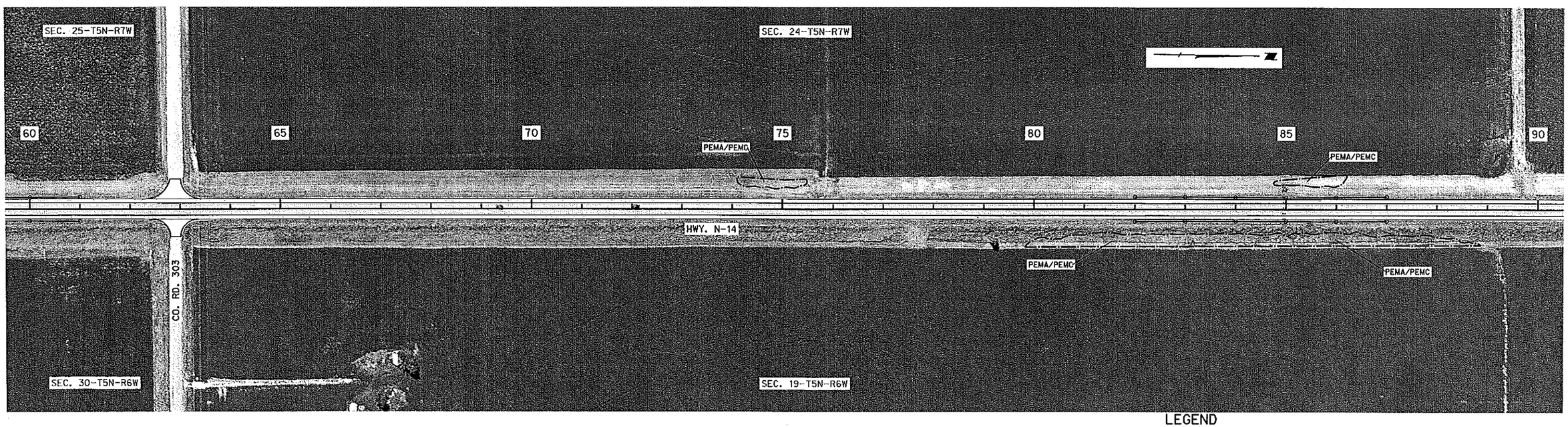
PROJECT NO.	SHEET NO.
14-1(119)	2-W2

C.N. 42566

PRELIMINARY PLAN

NOT FINAL - SUBJECT TO CHANGE





LEGEND

- LIMITS OF CONSTRUCTION
- WETLANDS - DO NOT DISTURB
- IMPACTED WETLANDS
- TEMPORARY IMPACTED WETLANDS

DATE: 2011
FLIGHT: ESRI
SCALE: 1"=100'

ROADWAY DESIGN DIVISION

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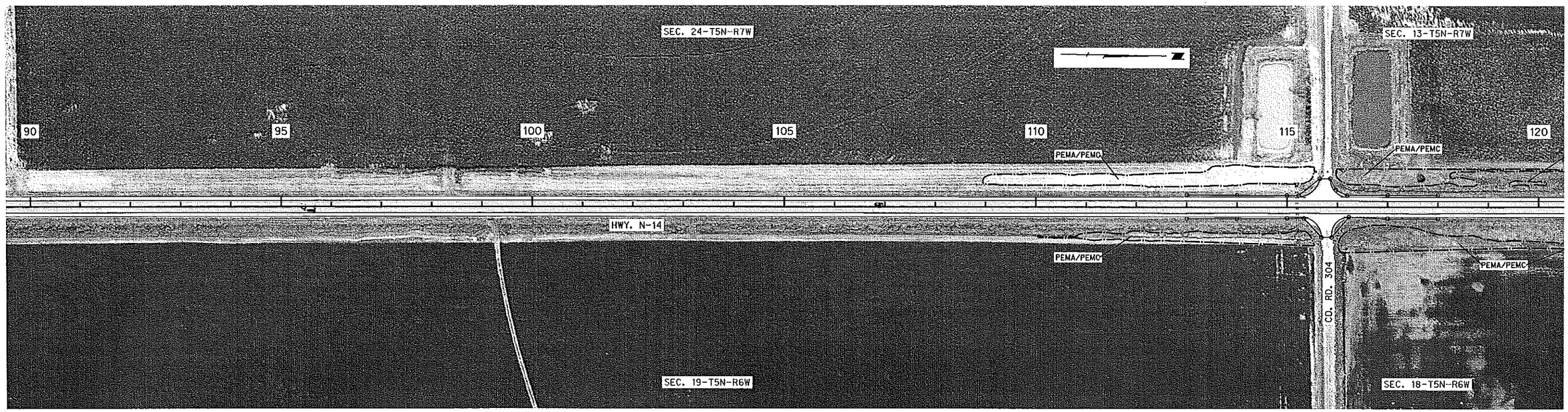
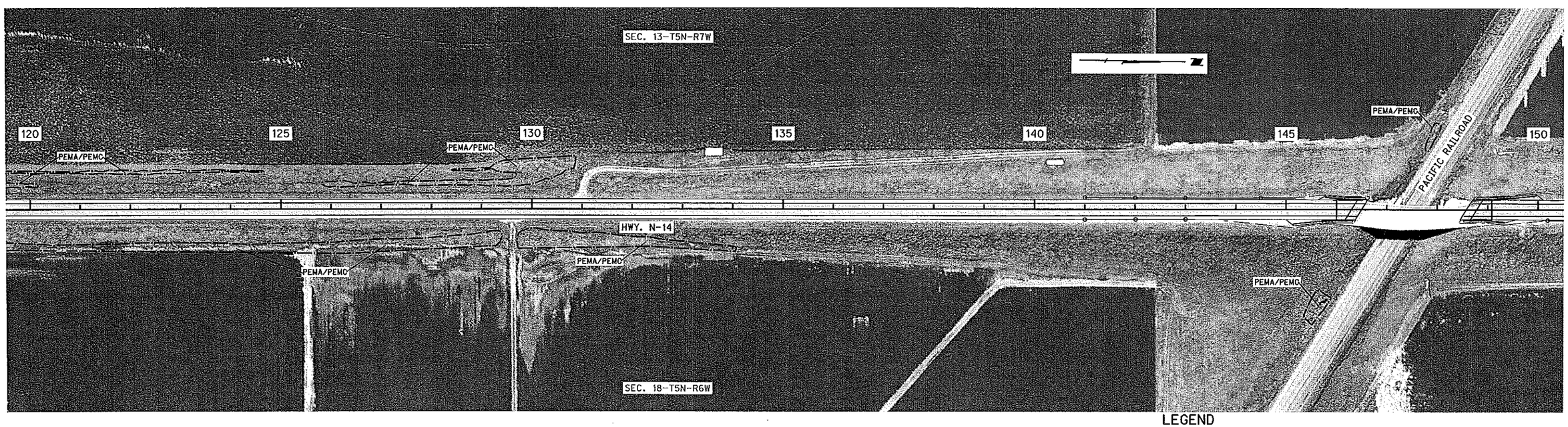
PROJECT NO.	SHEET NO.
14-1(119)	2-W3

C.N. 42566

PRELIMINARY PLAN
NOT FINAL - SUBJECT TO CHANGE





LEGEND

- LIMITS OF CONSTRUCTION
- WETLANDS - DO NOT DISTURB
- IMPACTED WETLANDS
- TEMPORARY IMPACTED WETLANDS

DATE: 2011
FLIGHT: ESRI
SCALE: 1"=100'

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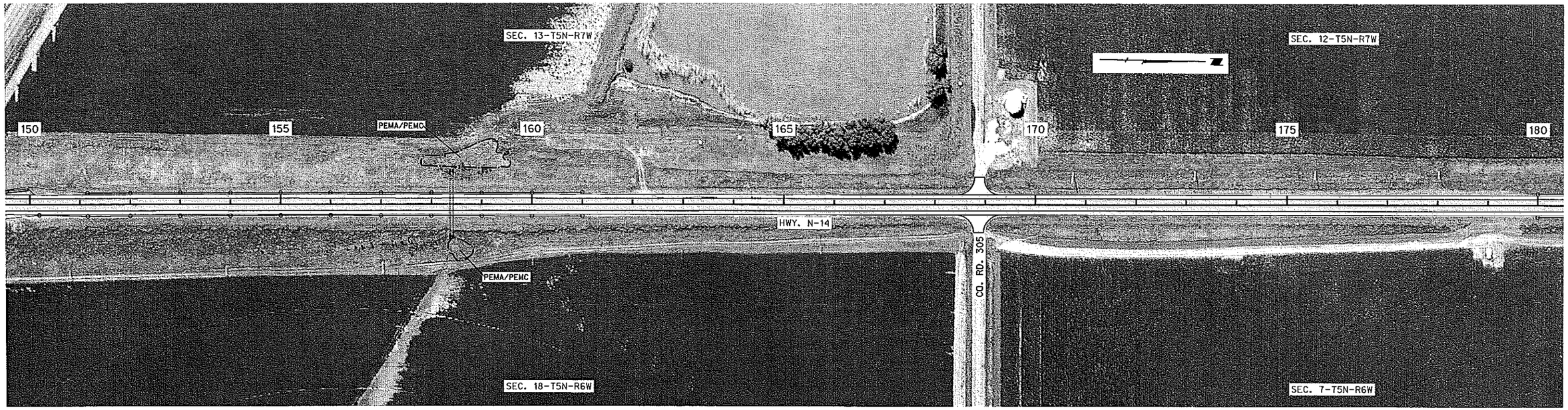
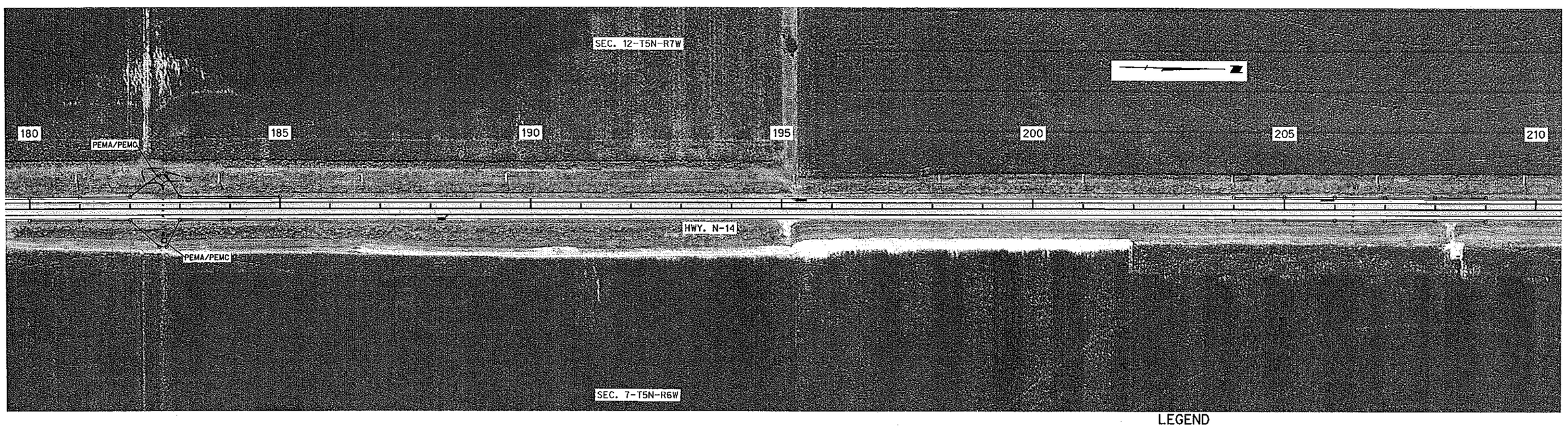
PROJECT NO.	SHEET NO.
14-1(119)	2-W4
C.N. 42566	

PRELIMINARY PLAN
NOT FINAL - SUBJECT TO CHANGE





LEGEND

- LIMITS OF CONSTRUCTION
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DATE: 2011
FLIGHT: ESRI
SCALE: 1"=100'

ROADWAY DESIGN DIVISION
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PROJECT NO.	SHEET NO.
14-1(119)	2-W5

C.N. 42566

PRELIMINARY PLAN
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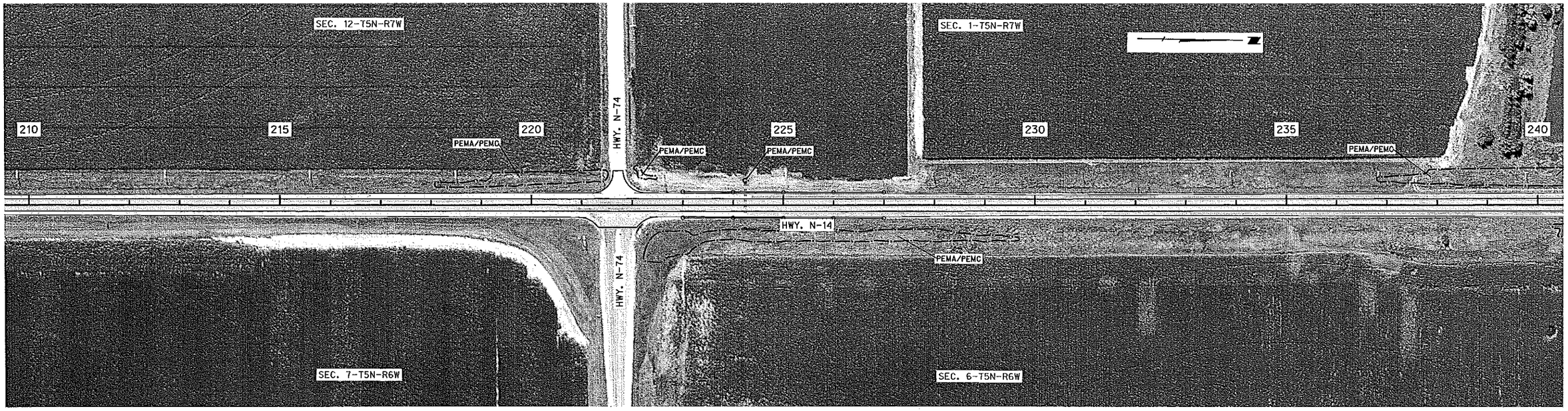

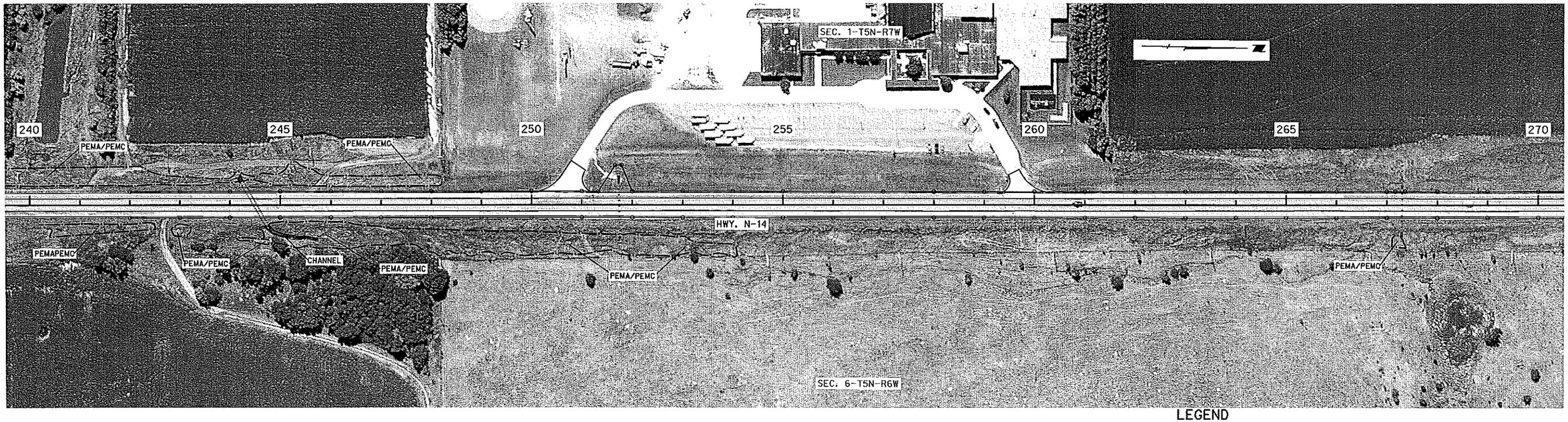

LEGEND

- LIMITS OF CONSTRUCTION
- WETLANDS - DO NOT DISTURB
- IMPACTED WETLANDS
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DATE: 2011
FLIGHT: ESRI
SCALE: 1"=100'

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PROJECT NO.	SHEET NO.
14-1(119)	2-W6
C.N. 42566	

PRELIMINARY PLAN
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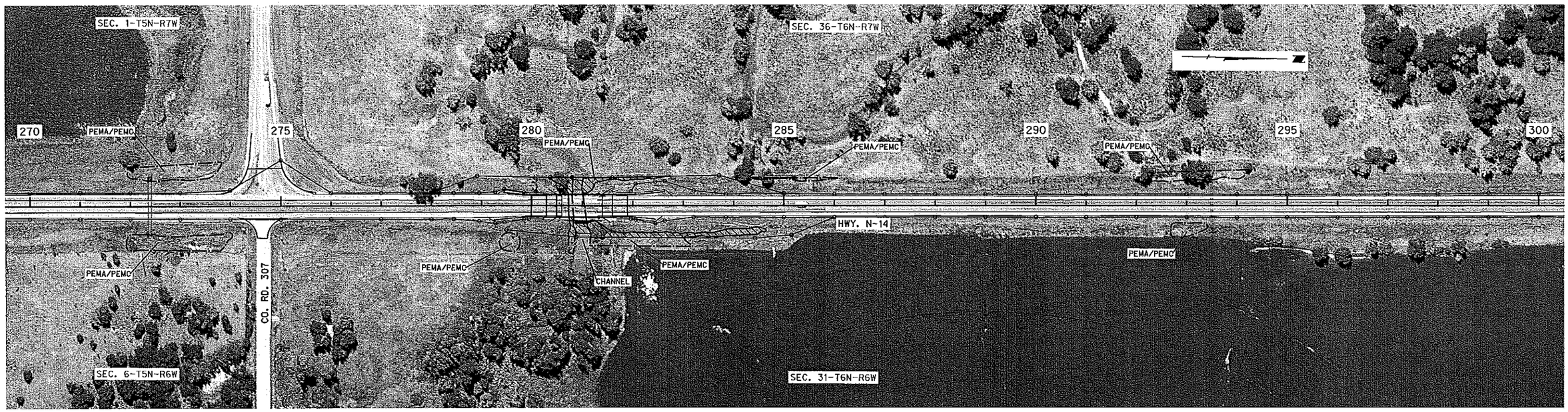

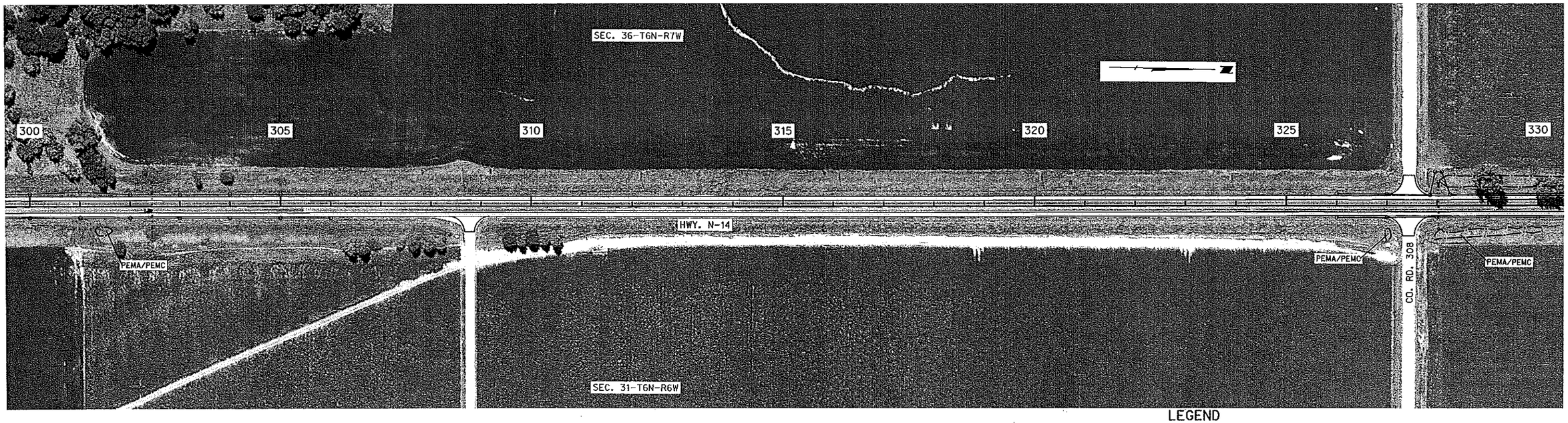

LEGEND

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DATE: 2011
FLIGHT: ESRI
SCALE: 1"=100'

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PROJECT NO.	SHEET NO.
14-1(119)	2-W7

C.N. 42566

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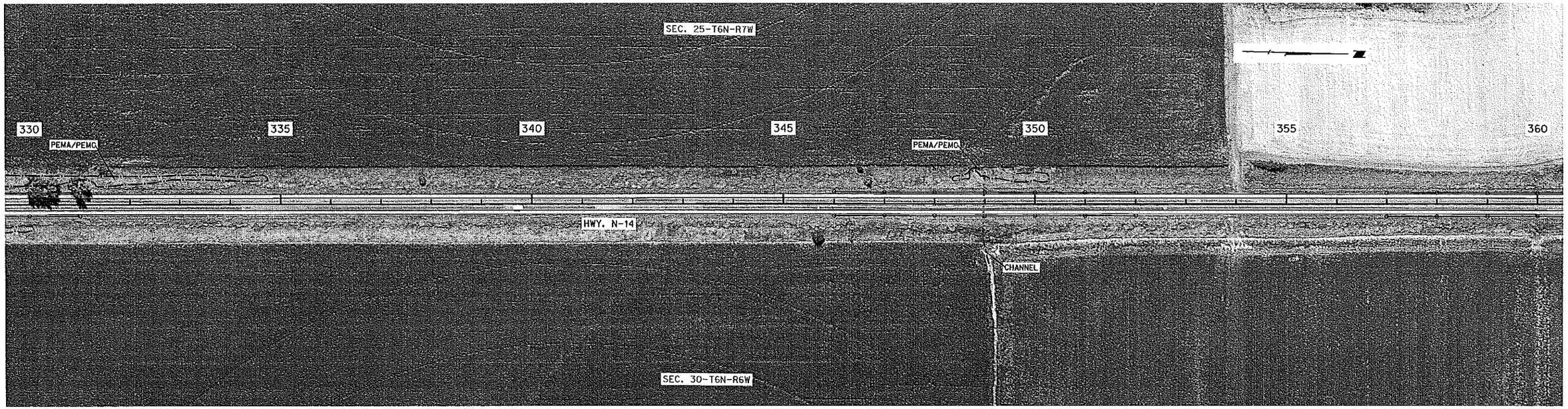

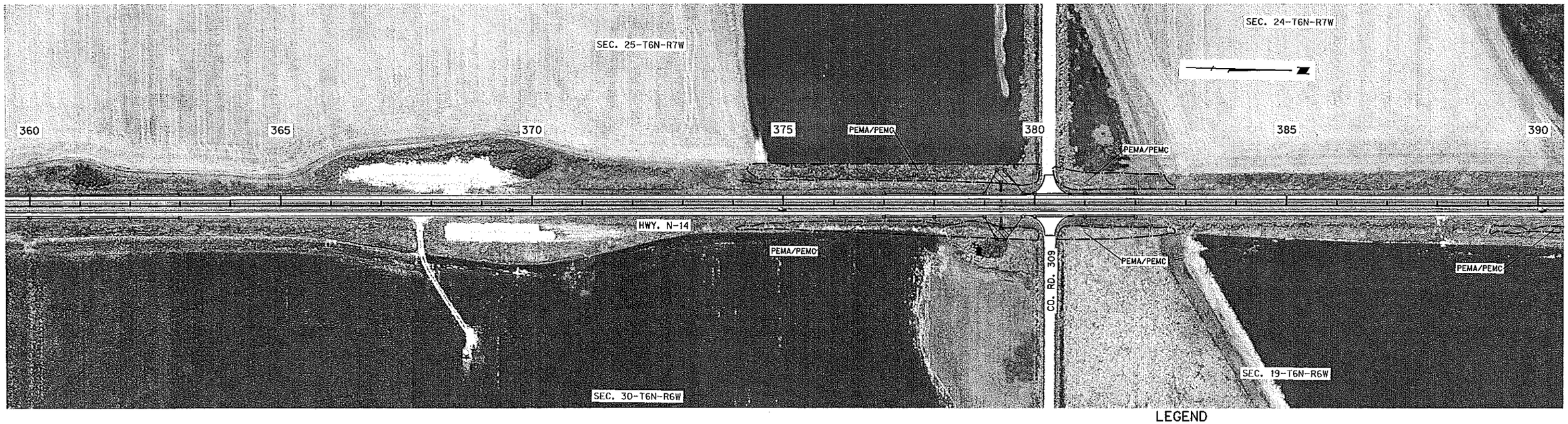

LEGEND

- LIMITS OF CONSTRUCTION
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- TEMPORARY IMPACTED WETLANDS

DATE: 2011
FLIGHT: ESRI
SCALE: 1"=100'

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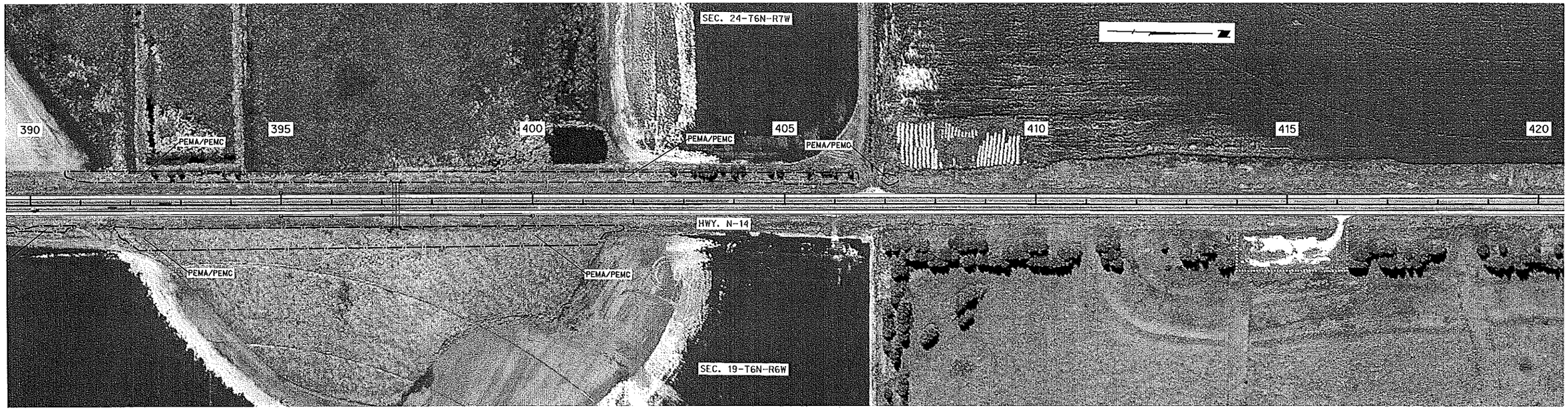
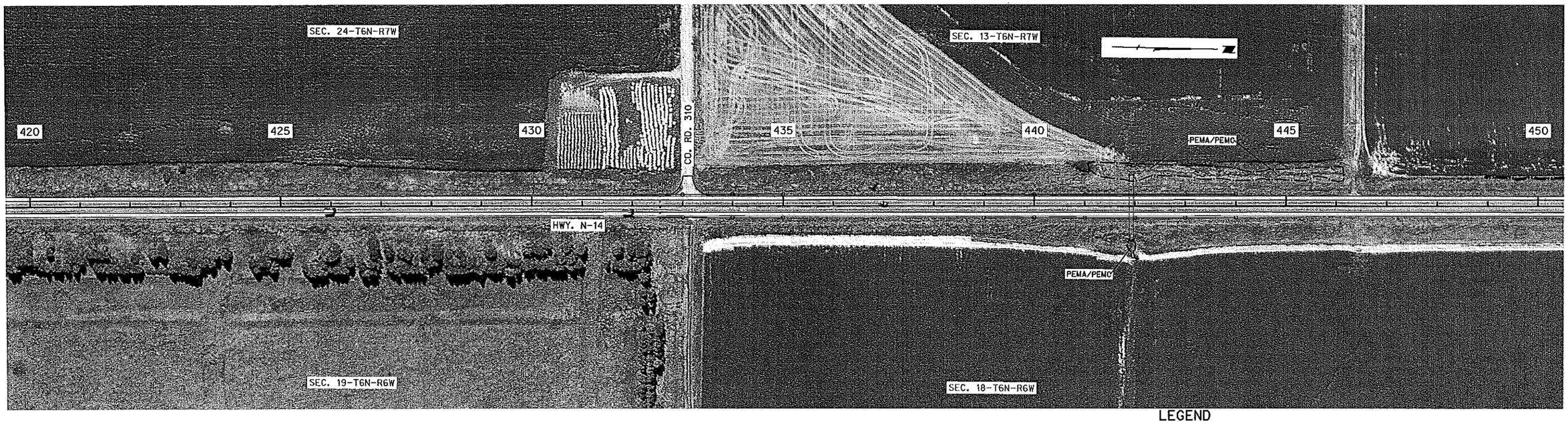
PRELIMINARY PLAN
NOT FINAL - SUBJECT TO CHANGE

PROJECT NO.	SHEET NO.
14-1(119)	2-W8

C.N. 42566





LEGEND

- LIMITS OF CONSTRUCTION
- WETLANDS - DO NOT DISTURB
- IMPACTED WETLANDS
- TEMPORARY IMPACTED WETLANDS

DATE: 2011
FLIGHT: ESRI
SCALE: 1"=100'

ROADWAY DESIGN DIVISION

Computer: DRDESIGN56
User: dor13205
Date: 03-JUN-2016 14:24
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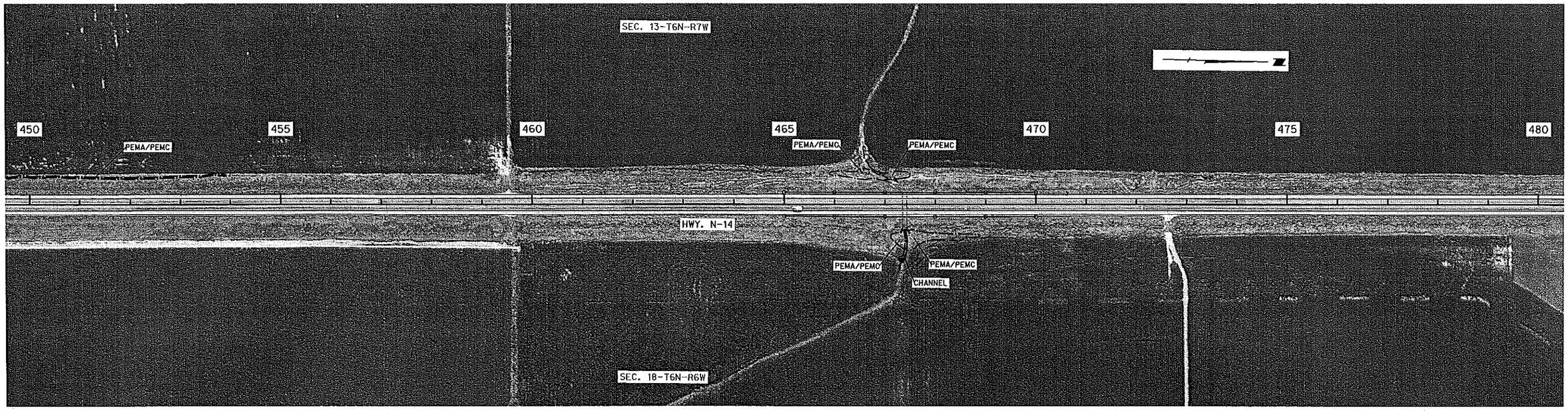
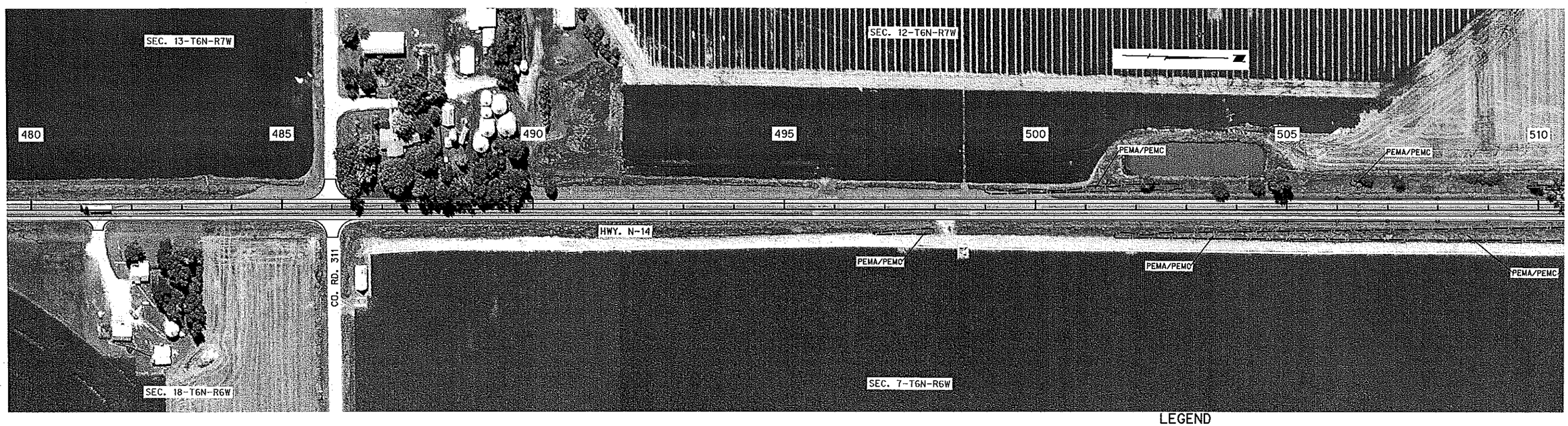
PROJECT NO.	SHEET NO.
14-1(119)	2-W9
C.N. 42566	

PRELIMINARY PLAN
NOT FINAL - SUBJECT TO CHANGE





LEGEND

- LIMITS OF CONSTRUCTION
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- TEMPORARY IMPACTED WETLANDS

DATE: 2011
FLIGHT: ESRI
SCALE: 1"=100'

ROADWAY DESIGN DIVISION
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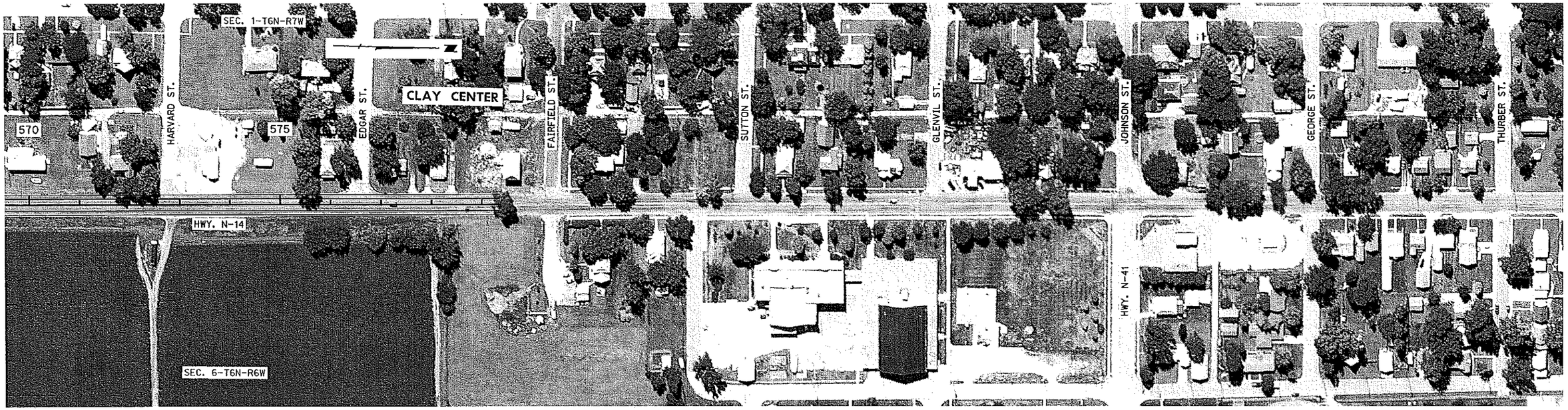
PROJECT NO.	SHEET NO.
14-1(119)	2-W10

C.N. 42566

PRELIMINARY PLAN
NOT FINAL - SUBJECT TO CHANGE



LEGEND

- LIMITS OF CONSTRUCTION
- WETLANDS - DO NOT DISTURB
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- TEMPORARY IMPACTED WETLANDS

DATE: 2011
FLIGHT: ESRI
SCALE: 1"=100'

ROADWAY DESIGN DIVISION

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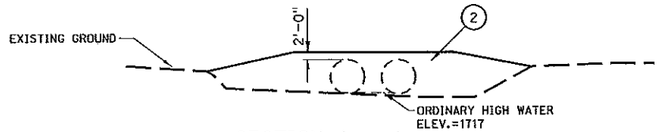
Scale: 1:200

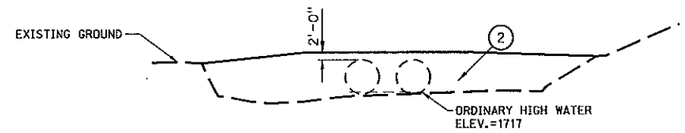
ROADWAY DESIGN DIVISION
Computer: DRDESIGN56
User: dor13205
Date: 03-JUN-2016 15:21
File: 425660dn02.dgn
Scale: 1:200

- RESTRICTED AREAS
  Restricted Areas are designated on the Plans from the edge of pavement to the ROW Line. This will protect waters of the state, Critical Habitat, and/or other sensitive resources. Construction Activities in these areas are limited to those required to build the Project as specified in the Contract.

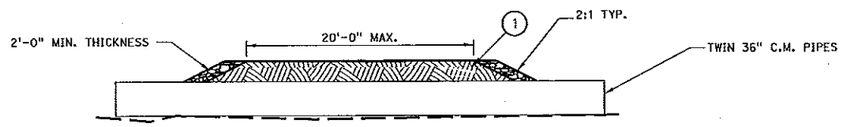
  Restricted Areas May Not Be Used For:
  1. Equipment Storage and Maintenance, with the Exception of Cranes
  2. Stockpile of Construction and Excavated Materials that have a Potential to Pollute Waters, Habitat or Sensitive Resources
  3. Sanitary Facilities
  4. Mixing or Storage of any Hazardous Materials
  5. Concrete Washout



SECTION A - A



SECTION D - D



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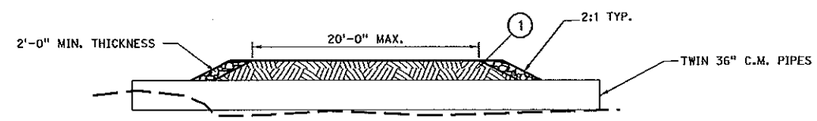
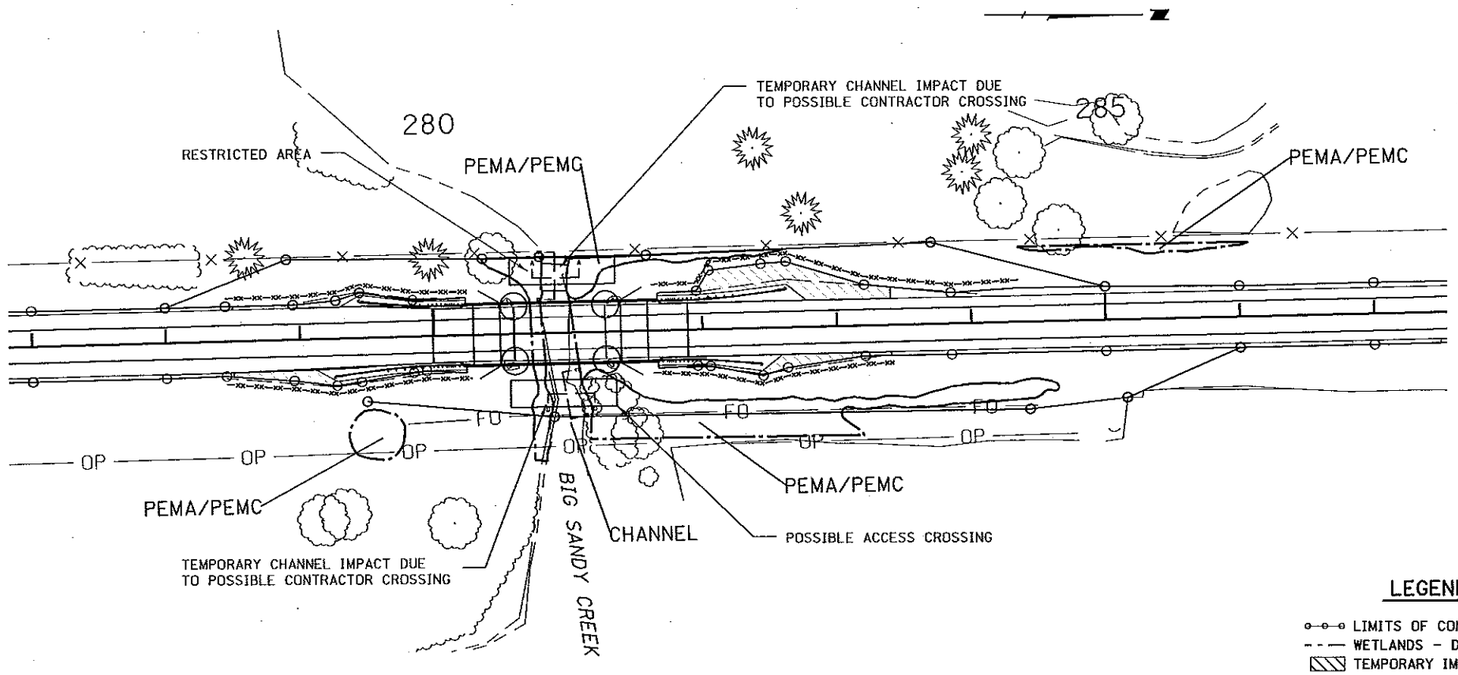


SECTION C - C



BIG SANDY CREEK
STA. 280+95.0

NOTE:
BRIDGE CONTRACTOR IS ALLOWED TO WORK WITHIN THE ROW AND TEMPORARY EASEMENT SHOWN ON THIS SHEET.

THE AREA BELOW THE ORDINARY HIGH WATER ELEVATION IS TO BE IMPACTED ONLY DURING THE OPERATIONS REQUIRED TO BUILD, MAINTAIN AND REMOVE THE CONTRACTOR CROSSING.

LEGEND

- LIMITS OF CONSTRUCTION
- WETLANDS - DO NOT DISTURB
- TEMPORARY IMPACTED WETLANDS
- TEMPORARY CHANNEL DISTURBANCE
- EXISTING ROW

(1) MATERIAL SHALL BE CLEAN EARTHEN FILL

(2) MINIMUM 2'-0" CLASS B ROCK RIPRAP OR BROKEN CONCRETE RIPRAP THAT MEETS THE REQUIREMENTS OF THE NDOR STANDARD SPECIFICATIONS

ACCESS CROSSING