

# JOINT PUBLIC NOTICE

3 October 2016

United States Army  
Corps of Engineers  
New Orleans District  
Regulatory Branch  
Post Office Box 60267  
New Orleans, Louisiana 70160-0267

(504) 862-2045  
[jennifer.e.burkett@usace.army.mil](mailto:jennifer.e.burkett@usace.army.mil)  
Project Manager  
Jennifer Burkett  
Permit Application Number  
MVN 2016-0955 EBB

State of Louisiana  
Department of Environmental Quality  
ATTN: Water Quality Certifications  
Post Office Box 4313  
Baton Rouge, Louisiana 70821-4313

(225) 219-3225  
[elizabeth.hill@la.gov](mailto:elizabeth.hill@la.gov)  
Project Manager  
Elizabeth Hill  
WQC Application Number  
WQC 160916-02

Interested parties are hereby notified that a permit application has been received by the New Orleans District of the U.S. Army Corps of Engineers pursuant to: [X] Section 10 of the Rivers and Harbors Act of March 3, 1899 (30 Stat. 1151; 33 USC 403); and/or [X] Section 404 of the Clean Water Act (86 Stat. 816; 33 USC 1344).

Application has also been made to the Louisiana Department of Environmental Quality for a Water Quality Certification (WQC) in accordance with statutory authority contained in LRS30:2047 A(3), and provisions of Section 401 of the Clean Water Act (P.L.95-17).

## **CANAL MAINTENANCE IN TANGIPAOHA PARISH**

**NAME OF APPLICANT:** Tangipahoa Parish Consolidated Gravity Drainage District No. 1, c/o ELOS Environmental, LLC at 43177 E. Pleasant Ridge Road, Hammond, Louisiana 70403.

**LOCATION OF WORK:** Within the existing W1-L1; W2-L3; W2-L10; W2-L12, L12A, & L12B; W2-L14; W2-L15; W2-L16 & L16A; W3-L1, L1A, L1B, & L1C; W3-L8 & L8A; W6-L5; W6-L7D; and W9-L10 Canals, located in Tickfaw, Hammond, Independence, Natalbany, and Ponchatoula areas, all in Tangipahoa Parish, Louisiana, as shown on the enclosed drawings.

Hydrologic Unit Codes: 08070203 - Tickfaw River, 08070204 - Lake Maurepas, and 08070205 - Tangipahoa River  
Latitude: 30.56836, Longitude: -90.5045

**CHARACTER OF WORK:** To clear vegetation and remove debris from approximately 268,522 linear feet (~50.84 miles) of nineteen existing drainage canals. Work will be accomplished from within the channel bottoms by chippers mounted on marsh buggies. Canals will be cleared and chipped within the limits of the channel as well as up to 10 feet above the water surface. Project implementation will require clearing of material from 187.46 acres of Waters of the US, with removed material to be chipped and sprayed onto 149.81 acres of adjacent forested wetlands at a depth not to exceed 4 inches. No permanent adverse impacts to special aquatic sites are proposed; no compensatory mitigation is anticipated at this time.

The comment period for the Department of the Army Permit and the Louisiana Department of Environmental Quality WQC will close **20 days** from the date of this joint public notice. Written comments, including suggestions for modifications or objections to the proposed work, stating reasons thereof, are being solicited from anyone having interest in this permit and/or this WQC request and must be mailed so as to be received before or by the last day of the comment period. Letters concerning the Corps of Engineers permit application must reference the applicant's name and the Permit Application Number, and be mailed to the Corps of Engineers at the address above, **ATTENTION: REGULATORY BRANCH**. Similar letters concerning the Water Quality Certification must reference the applicant's name and the WQC Application number and be mailed to the Louisiana Department of Environmental Quality at the address above. **Individuals or parties may request an extension of time in which to comment on the proposed work by writing or e-mailing the Corps of Engineers Project Manager listed above. Any request must be specific and substantively supportive of the requested extension, and received by this office prior to the end of the initial comment period. The Section Chief will review the request and the requestor will be promptly notified of the decision to grant or deny the request. If granted, the time extension will be continuous to the initial comment period and, inclusive of the initial comment period, will not exceed a total of 30 calendar days.**

The application for this proposed project is on file with the Louisiana Department of Environmental Quality and may be examined during weekdays between 8:00 a.m. and 4:30 p.m. Copies may be obtained upon payment of costs of reproduction.

### **Corps of Engineers Permit Criteria**

The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people.

The U.S. Army Corps of Engineers is soliciting comments from the public, federal, state, and local agencies and officials, Indian Tribes, and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the U.S. Army Corps of Engineers to determine whether to make, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

The New Orleans District is unaware of properties listed on the National Register of Historic Places near the proposed work. The possibility exists that the proposed work may damage or destroy presently unknown archeological, scientific, prehistorical, historical sites, or data. Issuance of this public notice solicits input from the State Archeologist and State Historic Preservation Officer regarding potential impacts to cultural resources.

Our initial finding is that the proposed work would neither affect any species, nor habitat designated as critical to the recovery of any species, listed as endangered by the U.S. Department of Commerce.

Utilizing Standard Local Operating Procedure for Endangered Species in Louisiana (SLOPES), dated October 22, 2014, between the U.S. Army Corps of Engineers, New Orleans and U.S. Fish and Wildlife Service, Ecological Services Office, the Corps has determined that the proposed activity would have no effect on any species listed as endangered by the U.S. Department of Interior.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The applicant's proposal would result in the destruction or alteration of **N/A** acres of **EFH** utilized by various life stages of red drum and penaeid shrimp. Our initial determination is that the proposed action would not have a substantial adverse impact on EFH or federally managed fisheries in the Gulf of Mexico. Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the National Marine Fisheries Service.

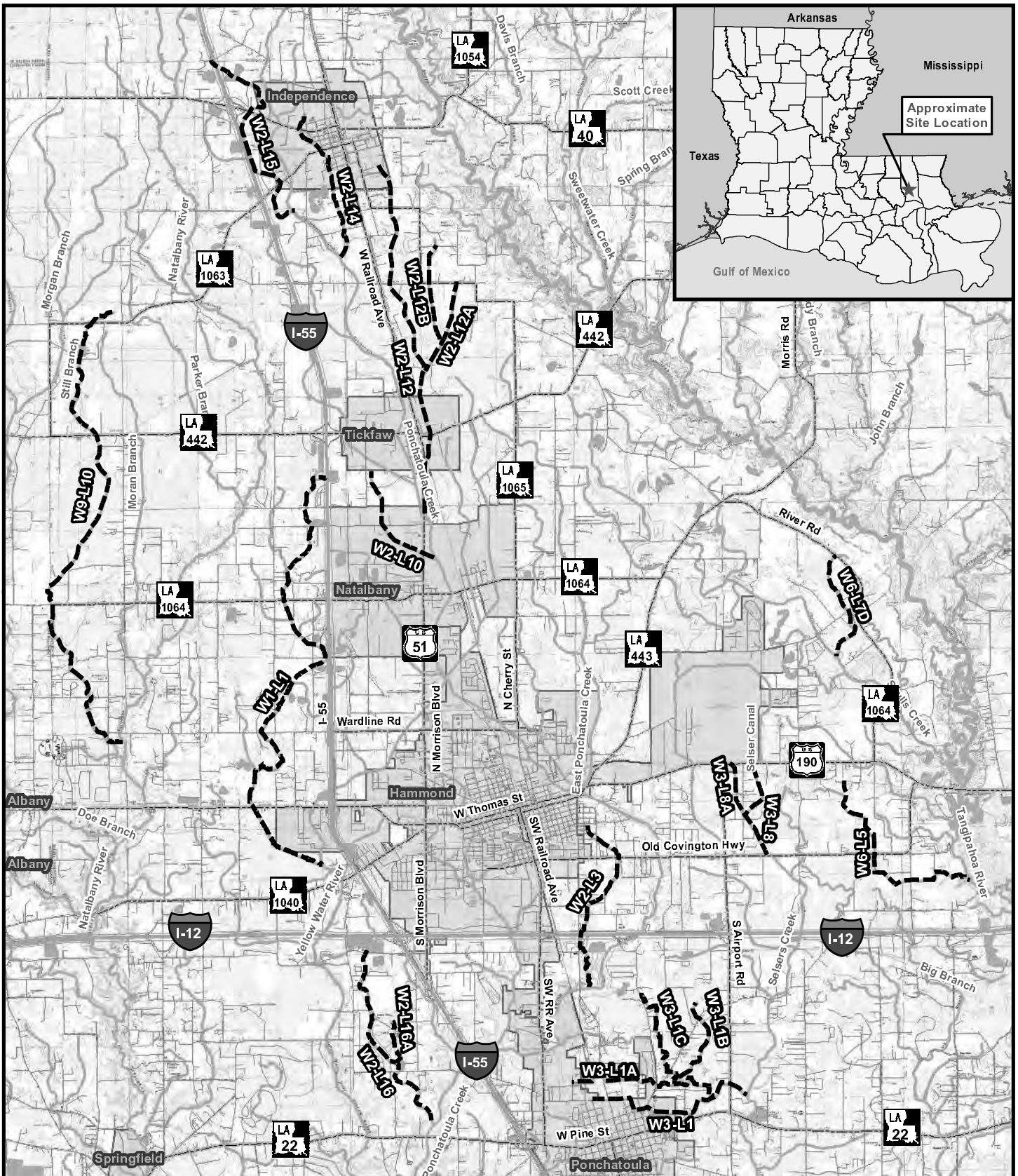
If the proposed work involves deposits of dredged or fill material into navigable waters, the evaluation of the probable impacts will include the application of guidelines established by the Administrator of the Environmental Protection Agency. Also, a certification that the proposed activity will not violate applicable water quality standards will be required from the Department of Environmental Quality before a permit is issued.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

You are requested to communicate the information contained in this notice to any other parties whom you deem likely to have interest in the matter.

Michael V. Farabee  
Chief, Eastern Evaluation Section

Enclosures



**ELOS**  
environmental  
<http://www.elosenv.com/>  
43177 East Pleasant Ridge Road  
Hammond, Louisiana 70403  
P. 985-662-5501, F. 985-662-5504

0 7,000 14,000 Feet

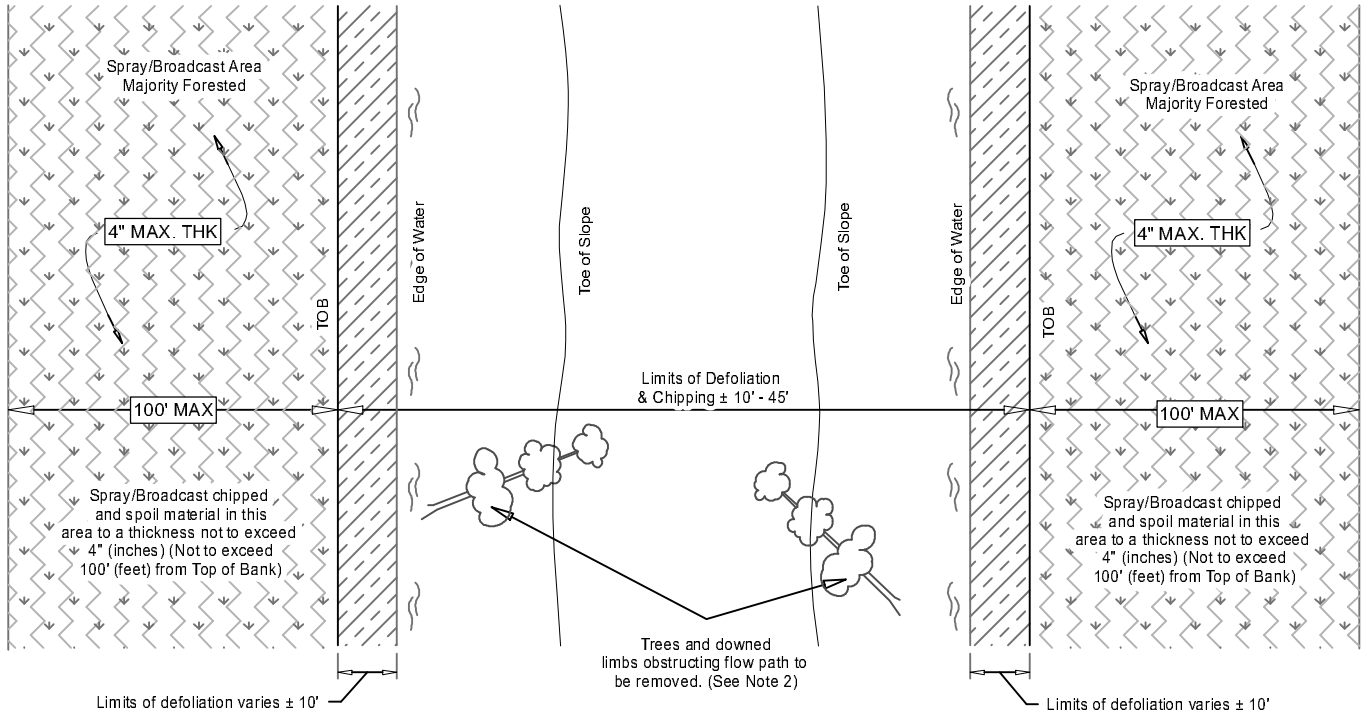
**Project Overview**

W1-L1, W2-L12, L12A, & L12B, W2-L14, W2-L15, W2-L16 & L16A, W2-L10, W9-L10, W3-L8 & L8A, W6-L5, W6-L7D, W2-L3, W3-L1, L1A, L1B, & L1C

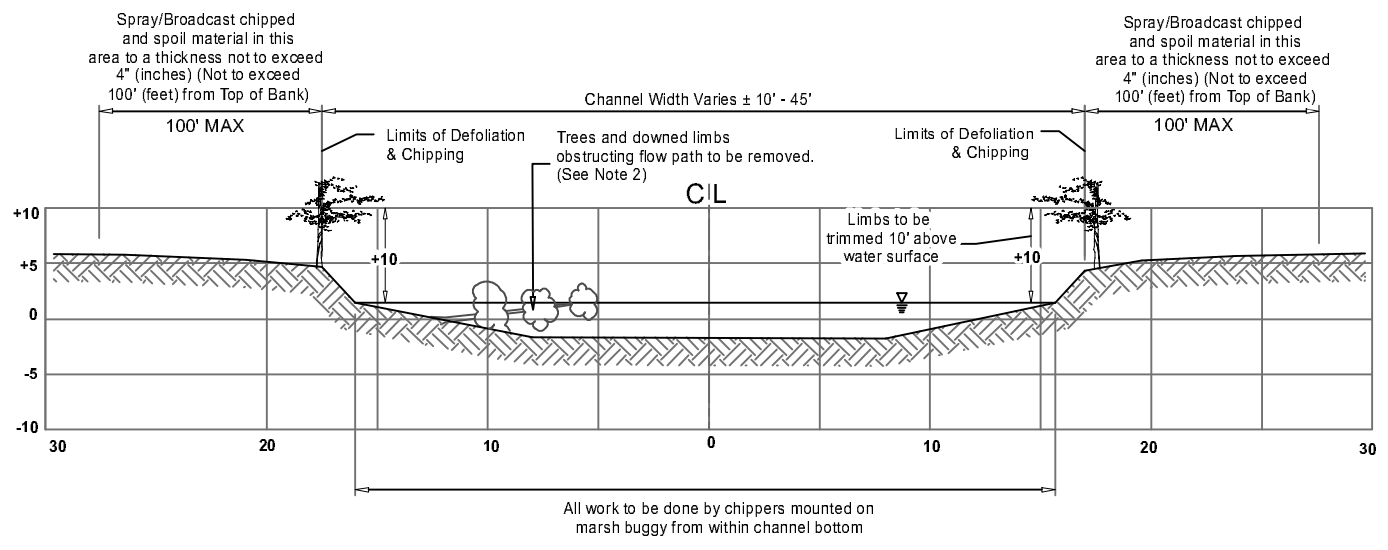
**Legend:**

- Canal Centerline
- Interstate
- Highway
- Roadway
- Stream/River
- Waterbody
- City/Town

Map prepared from public and proprietary spatial data. ELOS Environmental, LLC does not warrant its accuracy or completeness. This map should not be used to establish legal boundaries or specific locations.



Scale = Not to Scale



Scale = Not to Scale



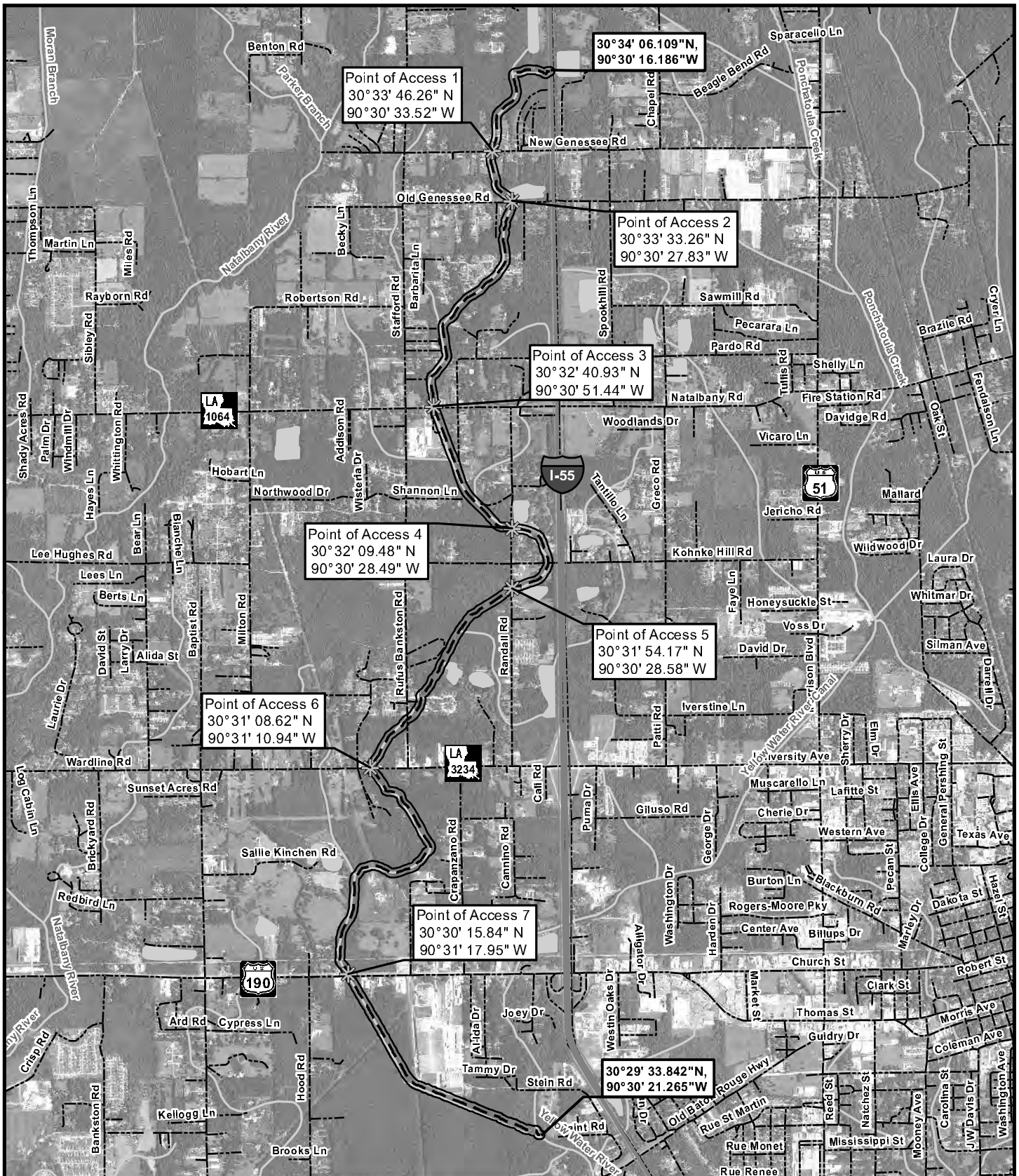
W1-L1\_W2-L12, L12A, & L12B\_W2-L14\_W2-L15  
 W2-L16 & L16A\_W2-L10\_W9-L10\_W3-L8 & L8A  
 W6-L5\_W6-L7D\_W2-L3\_W3-L1, L1A, L1B, & L1C

Figure 2: Typical Chipping

Map prepared from public and proprietary spatial data. ELOS Environmental, LLC does not warrant its accuracy or completeness. This map should not be used to establish legal boundaries or specific locations.

- Notes:**
- 1) No work to be done along Top of Bank.
  - 2) Trees and downed limbs obstructing flow (within Top of Bank) shall be removed.
  - 3) Overhanging tree limbs shall be trimmed to a distance of 10' above the water surface of the channel.
  - 4) Grinding and mulching of removed vegetation will be allowed, stumps and root systems shall remain in place less than 6" high to retain bank stability.
  - 5) Contractor is to make certain that no bank is to be damaged or disturbed.
  - 6) No living trees greater than 6" DBH shall be cut.





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0 2,500 5,000 Feet

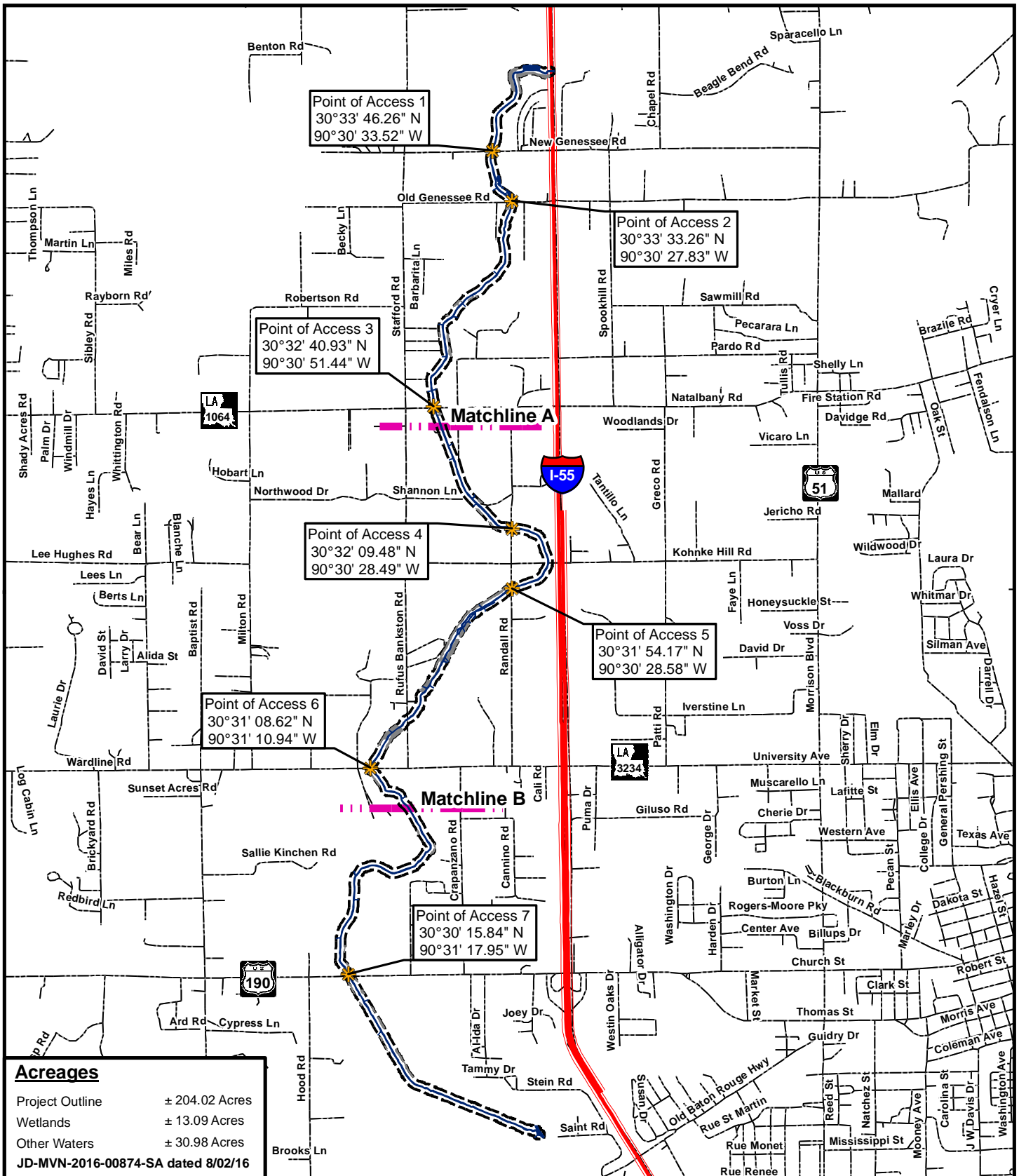
**Figure 3: W1-L1 Plan View**

W1-L1\_W2-L12, L12A, & L12B\_W2-L14\_W2-L15  
 W2-L16 & L16A\_W2-L10\_W9-L10\_W3-L8 & L8A  
 W6-L5\_W6-L7D\_W2-L3\_W3-L1, L1A, L1B, & L1C

**Legend:**

- Project Outline
- Chipping and Debris Removal ± 38,125 LF
- Point of Access
- Roadway
- Stream/River

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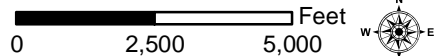


**Acres**

|                                    |                |
|------------------------------------|----------------|
| Project Outline                    | ± 204.02 Acres |
| Wetlands                           | ± 13.09 Acres  |
| Other Waters                       | ± 30.98 Acres  |
| JD-MVN-2016-00874-SA dated 8/02/16 |                |



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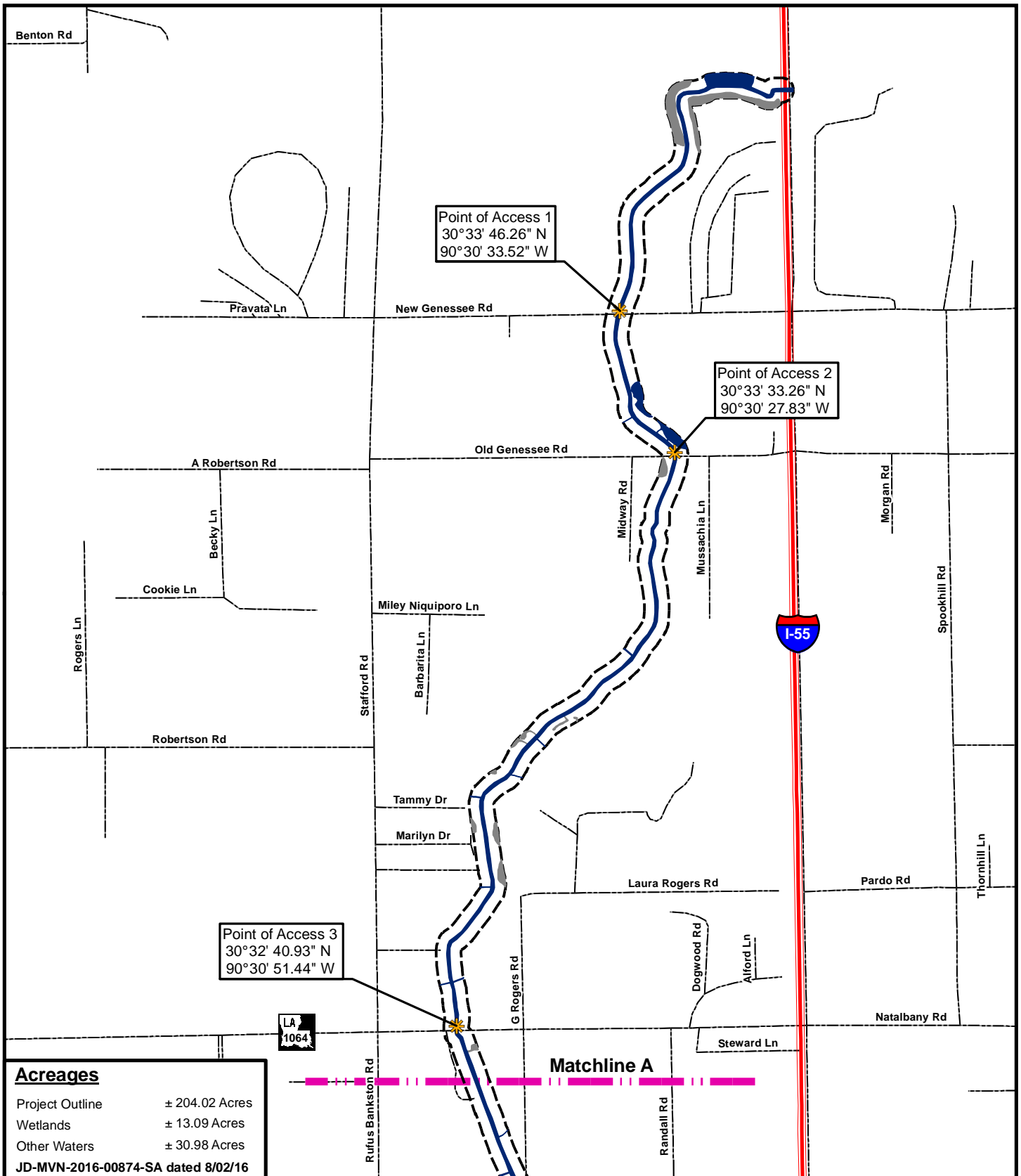
JD Overlay

**W1-L1**

**Legend:**

- Project Outline
- Point of Access
- Other Waters
- Wetlands
- Matchline
- Roadway

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**Acreages**

|                 |                |
|-----------------|----------------|
| Project Outline | ± 204.02 Acres |
| Wetlands        | ± 13.09 Acres  |
| Other Waters    | ± 30.98 Acres  |

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0 1,000 2,000 Feet

JD Overlay 1

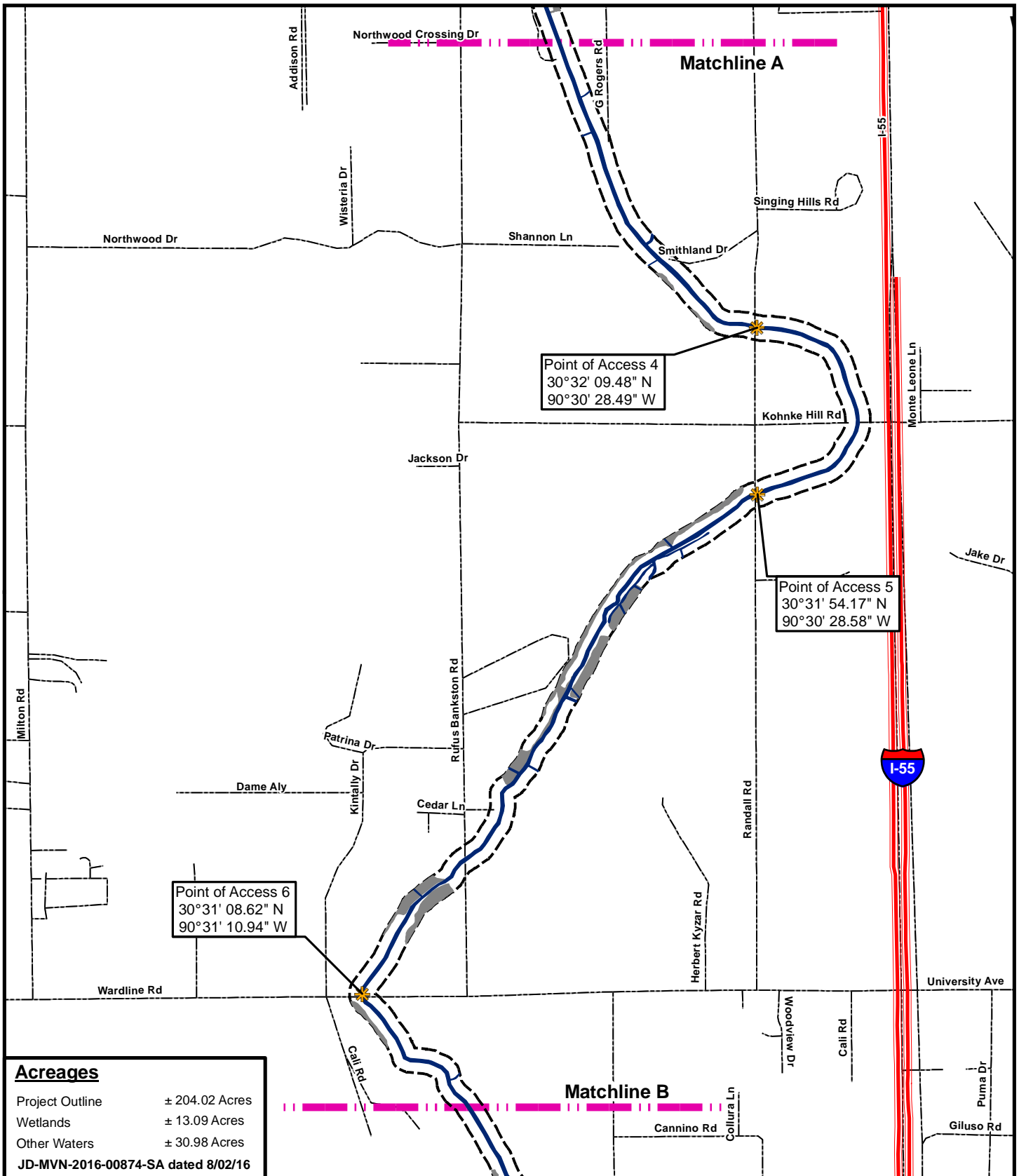
**W1-L1**

**Legend:**

- Project Outline
- Point of Access
- Other Waters
- Wetlands
- Matchline
- Roadway

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0 750 1,500 Feet

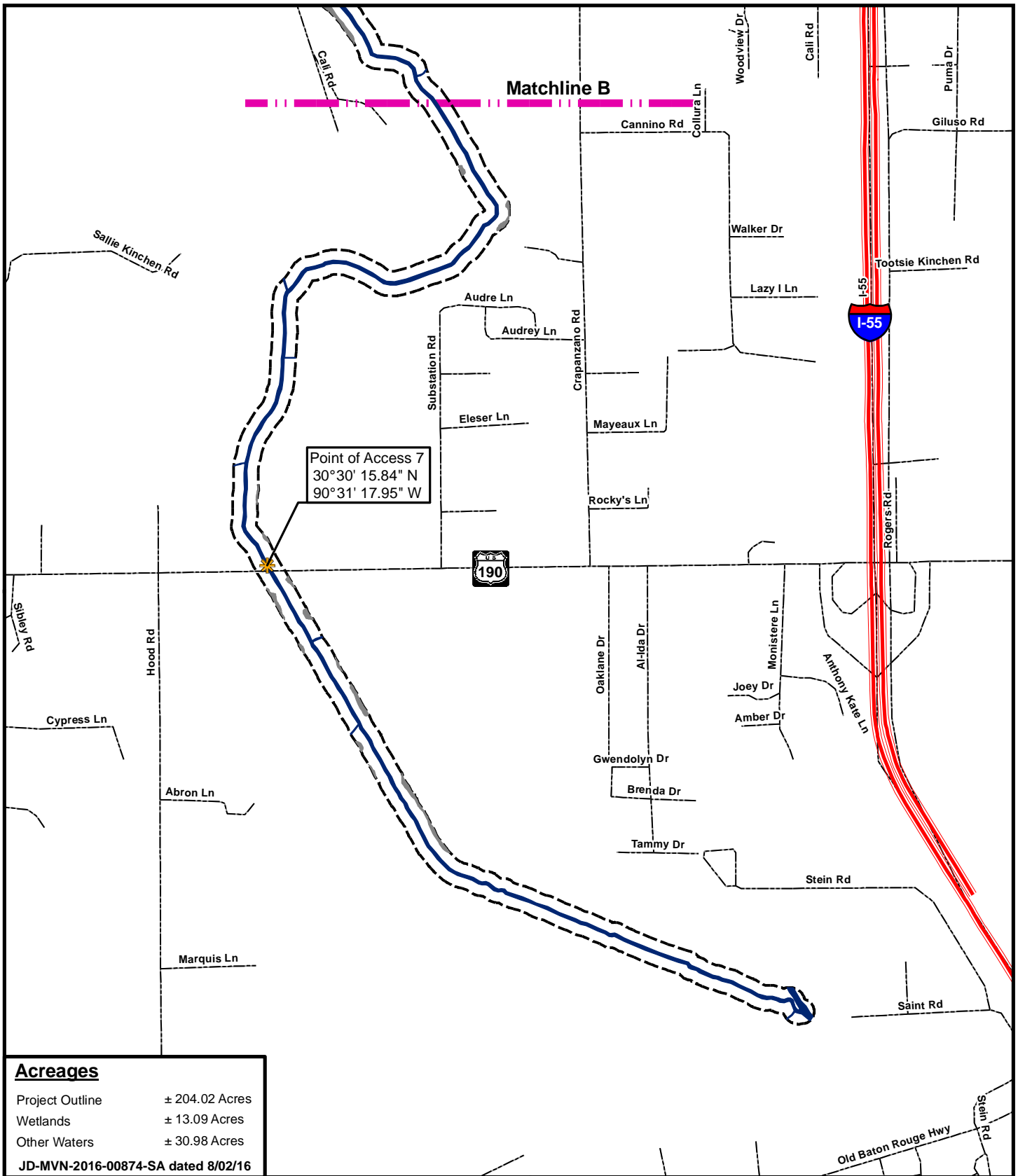
**JD Overlay 2**

**W1-L1**

**Legend:**

- Project Outline
- Point of Access
- Other Waters
- Wetlands
- Matchline
- Roadway

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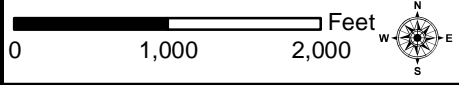
**Acreages**

|                 |                |
|-----------------|----------------|
| Project Outline | ± 204.02 Acres |
| Wetlands        | ± 13.09 Acres  |
| Other Waters    | ± 30.98 Acres  |

JD-MVN-2016-00874-SA dated 8/02/16



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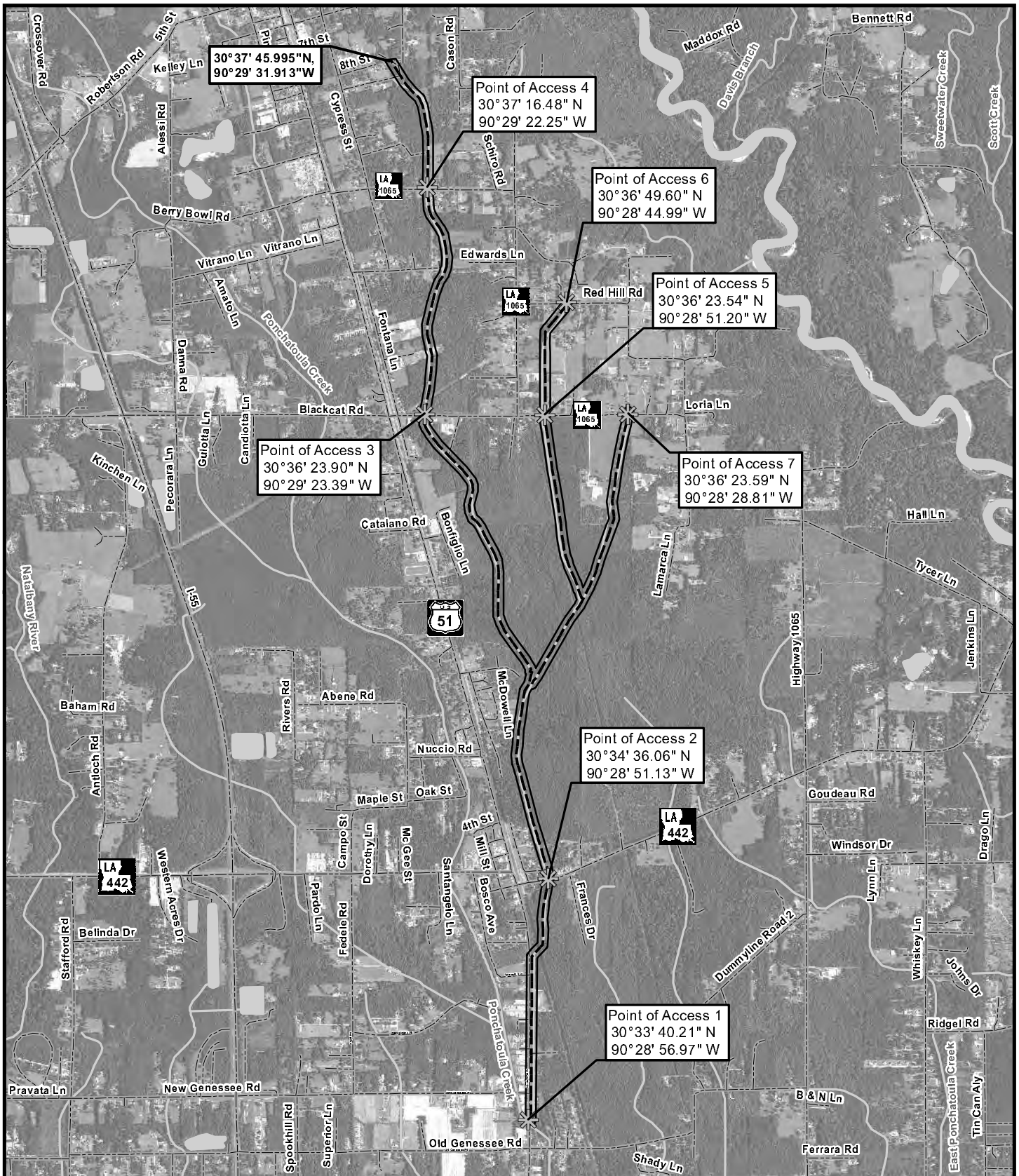
JD Overlay 3

**W1-L1**

**Legend:**

- Project Outline
- Point of Access
- Other Waters
- Wetlands
- Matchline
- Roadway

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0 2,500 5,000 Feet

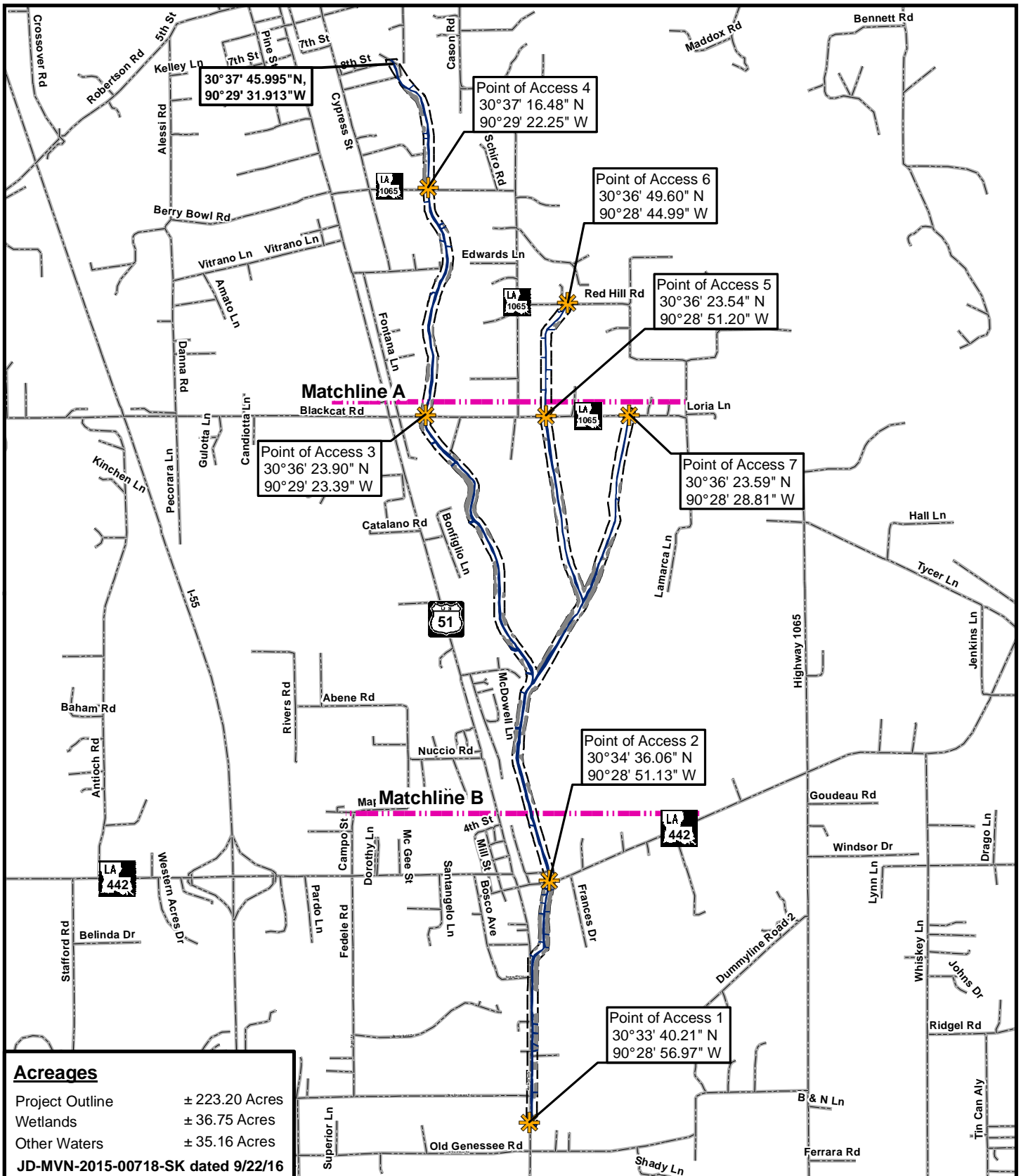
**Figure 4: W2-L12, L12A, & L12B Plan View**

W1-L1\_W2-L12, L12A, & L12B\_W2-L14\_W2-L15  
W2-L16 & L16A\_W2-L10\_W9-L10\_W3-L8 & L8A  
W6-L5\_W6-L7D\_W2-L3\_W3-L1, L1A, L1B, & L1C

**Legend:**

- Project Outline
- Chipping and Debris Removal ± 41,949 LF
- Point of Access
- Roadway
- Stream/River

Map prepared from public and proprietary spatial data. ELOS Environmental, LLC does not warrant its accuracy or completeness. This map should not be used to establish legal boundaries or specific locations.



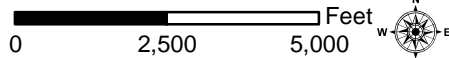
**Acreages**

Project Outline ± 223.20 Acres  
 Wetlands ± 36.75 Acres  
 Other Waters ± 35.16 Acres

JD-MVN-2015-00718-SK dated 9/22/16



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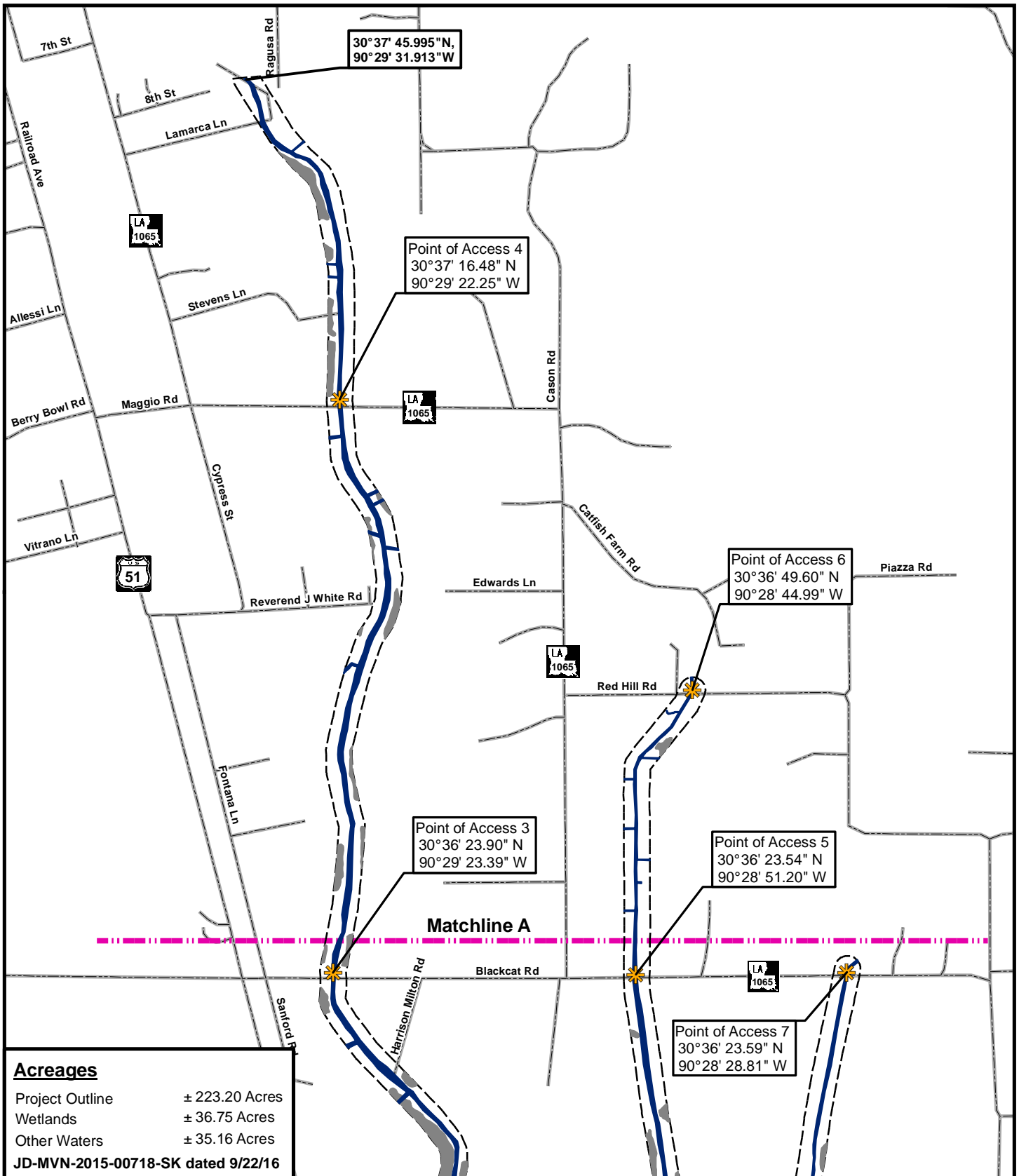
JD Overlay

**W2\_L12-12A-12B**

**Legend:**

- Project Outline
- Point of Access
- Other Waters
- Wetlands
- Matchline
- Roadway

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0 1,000 2,000 Feet

JD Overlay 1

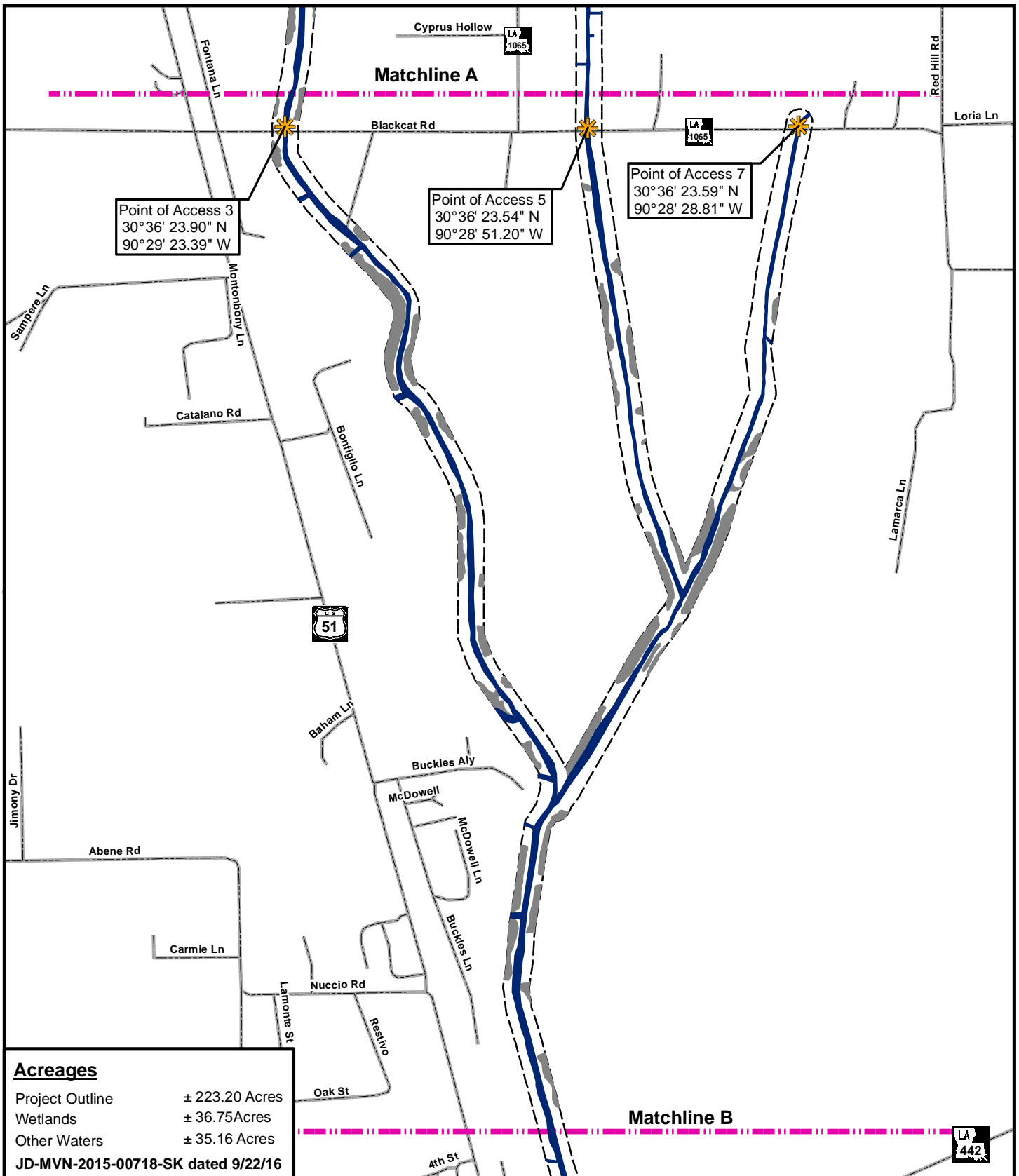
**W2\_L12-12A-12B**

**Legend:**

- Project Outline
- Point of Access
- Other Waters
- Wetlands
- Matchline
- Roadway

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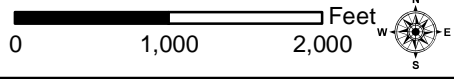




**Acreages**

Project Outline ± 223.20 Acres  
 Wetlands ± 36.75 Acres  
 Other Waters ± 35.16 Acres

JD-MVN-2015-00718-SK dated 9/22/16



**Legend:**

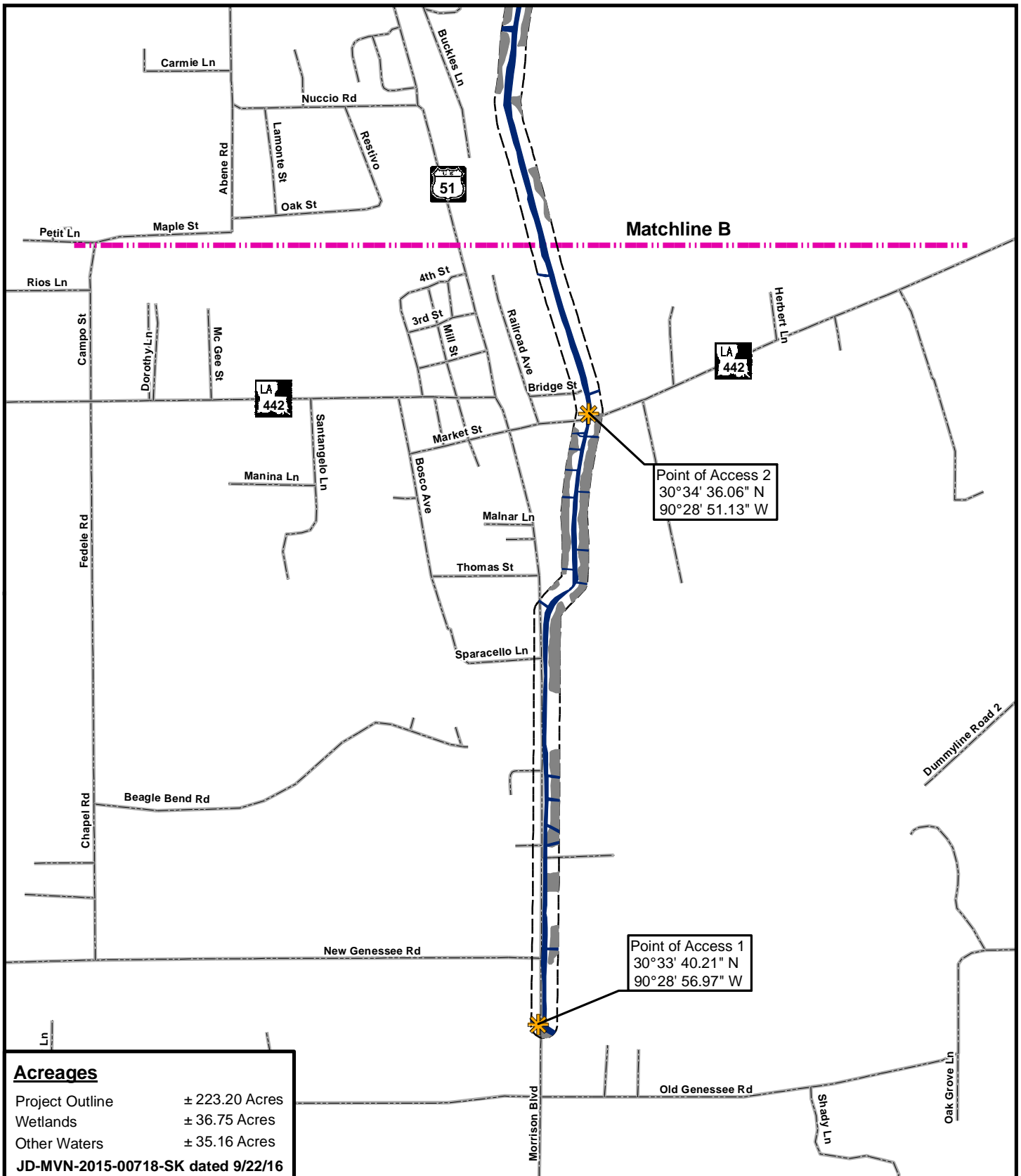
- Project Outline
- Point of Access
- Other Waters
- Wetlands
- Matchline
- Roadway

JD Overlay 2

**W2\_L12-12A-12B**

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Point of Access 2  
 30°34' 36.06" N  
 90°28' 51.13" W

Point of Access 1  
 30°33' 40.21" N  
 90°28' 56.97" W

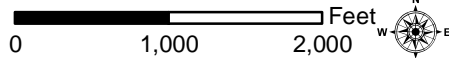
**Acreages**

Project Outline ± 223.20 Acres  
 Wetlands ± 36.75 Acres  
 Other Waters ± 35.16 Acres

JD-MVN-2015-00718-SK dated 9/22/16



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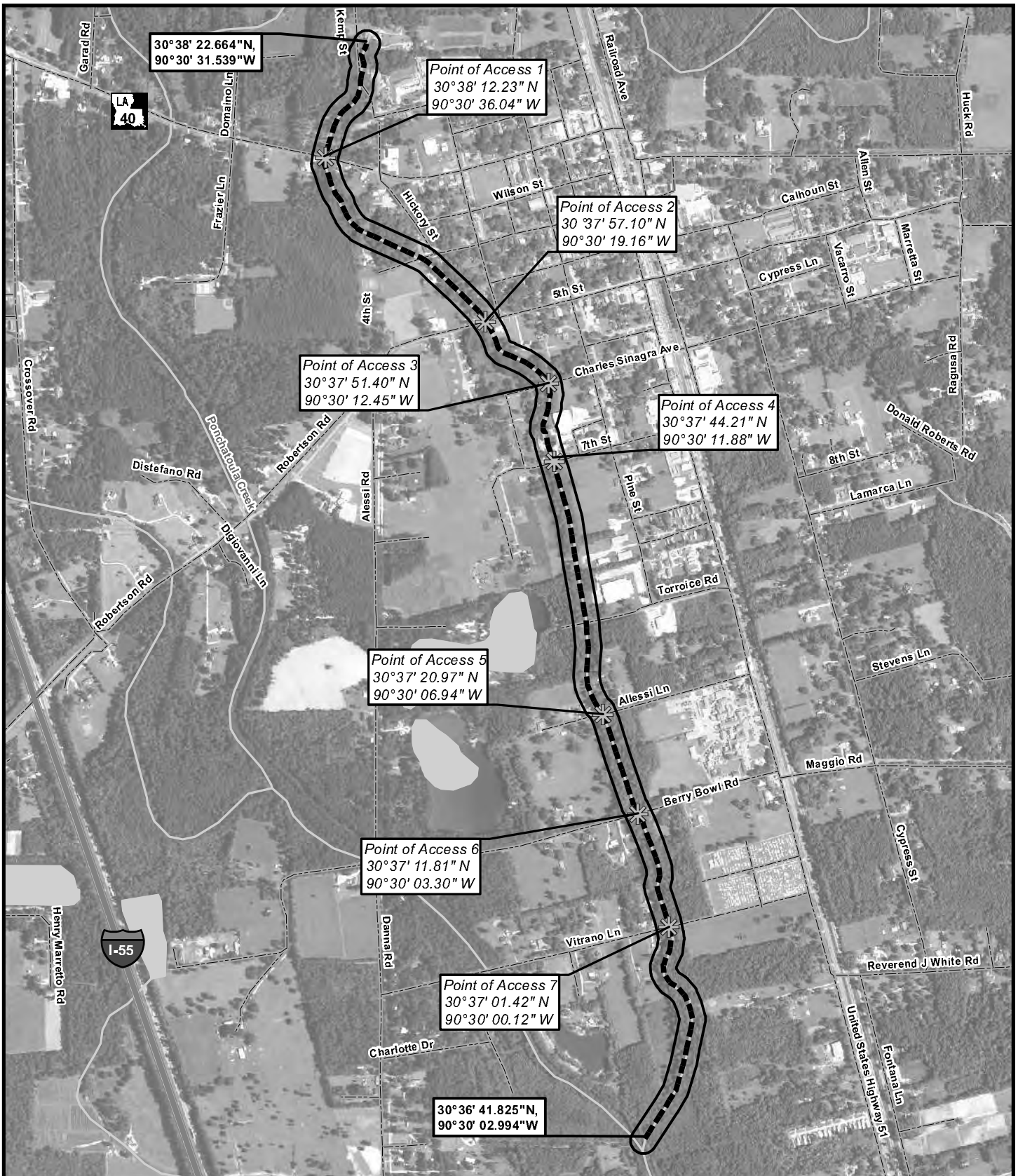
JD Overlay 3

**W2\_L12-12A-12B**

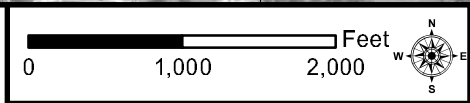
**Legend:**

- Project Outline
- Point of Access
- Other Waters
- Wetlands
- Matchline
- Roadway

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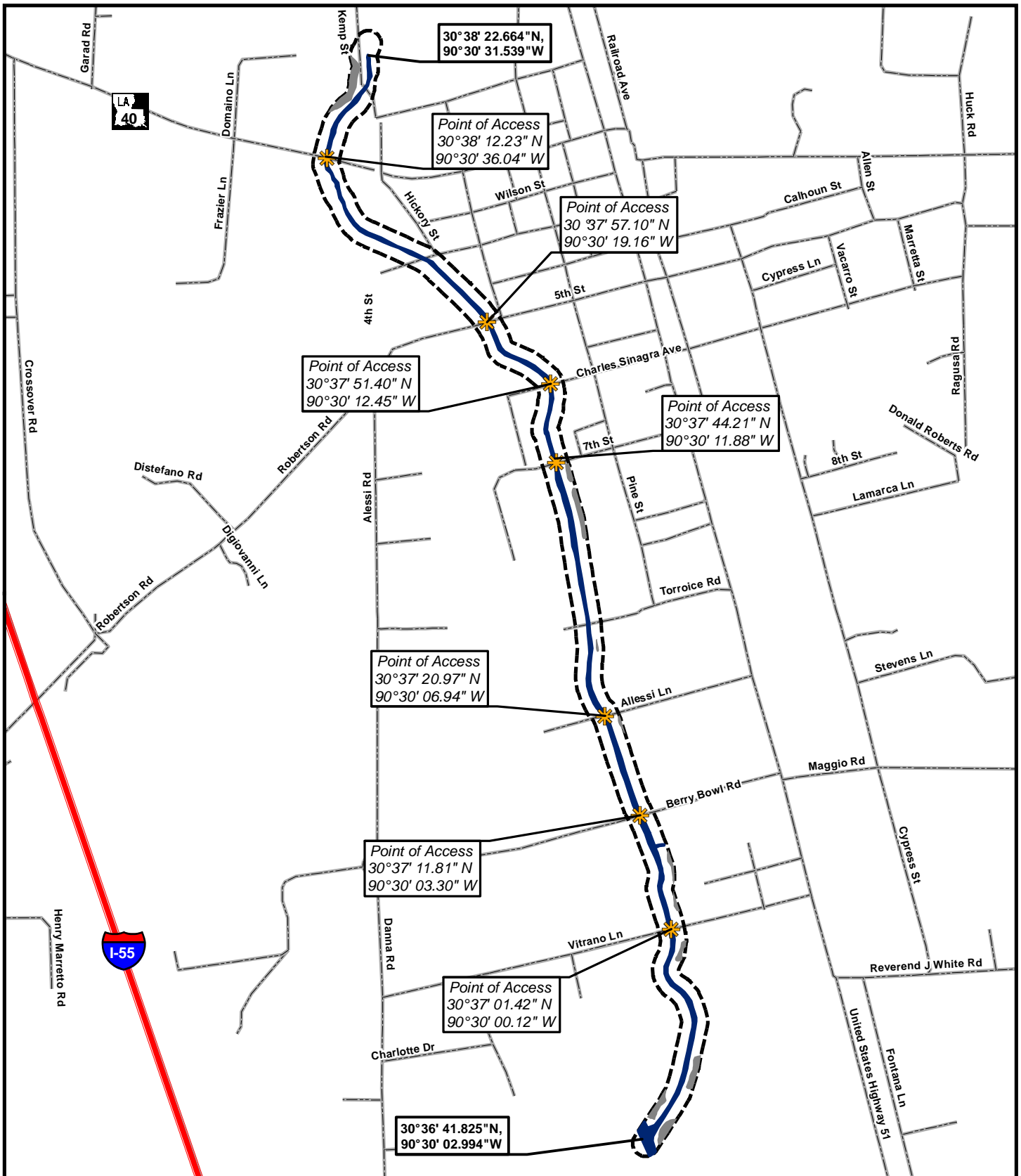
**Figure 5: W2-L14 Plan View**

W1-L1\_W2-L12, L12A, & L12B\_W2-L14\_W2-L15  
W2-L16 & L16A\_W2-L10\_W9-L10\_W3-L8 & L8A  
W6-L5\_W6-L7D\_W2-L3\_W3-L1, L1A, L1B, & L1C

**Legend:**

- Project Outline
- Chippin and Debris Removal ± 11,637 LF
- Point of Access
- Roadway
- Stream/River

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0 1,000 2,000 Feet

JD Overlay

**W2-L14**

**Legend:**

- Project Outline
- Point of Access
- Other Waters
- Wetlands

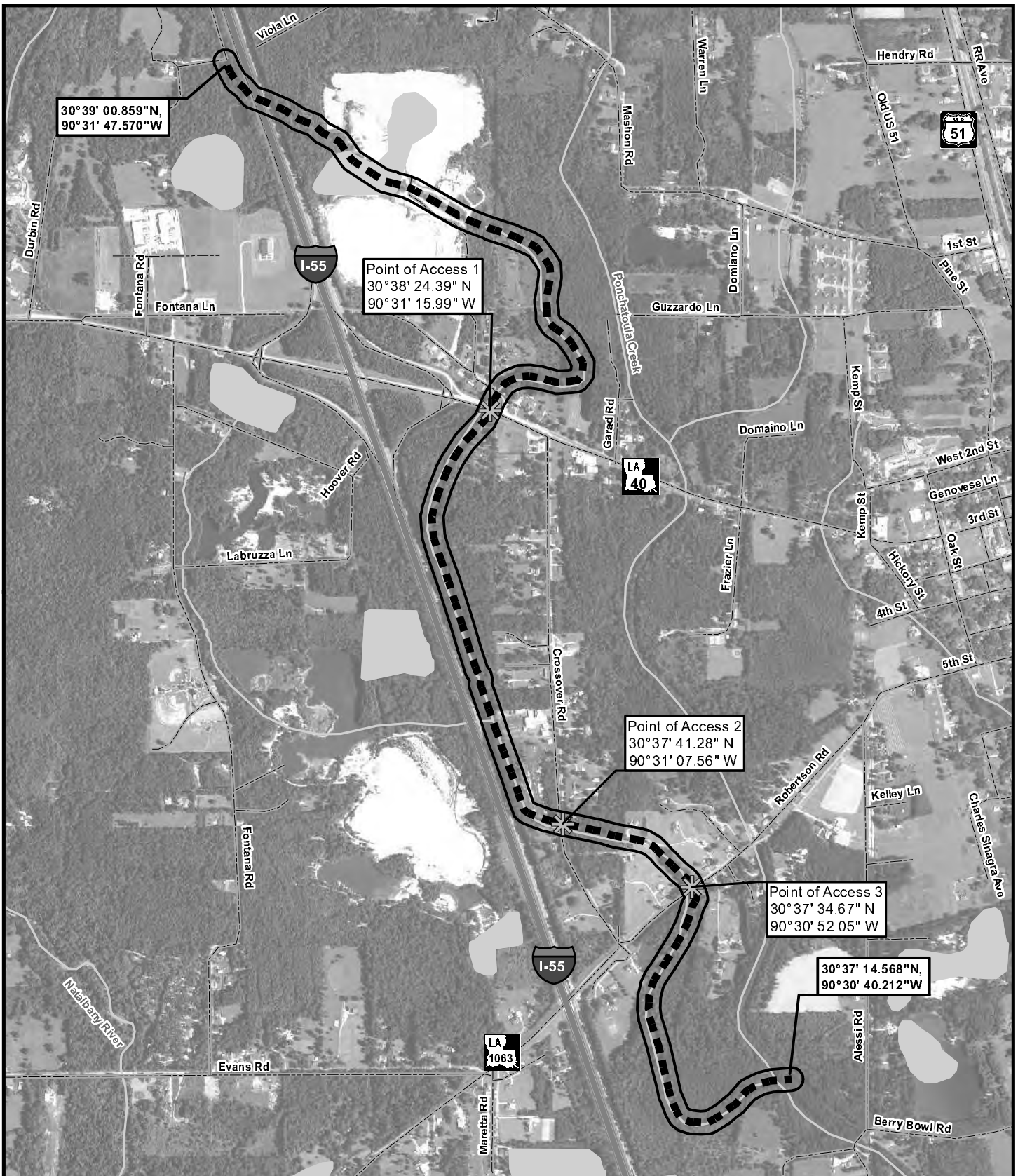
**Acrages**

Project Outline ± 65.59 Acres  
Wetlands ± 03.47 Acres  
Other Waters ± 07.42 Acres

**JD-MVN-2015-00721-SK dated 8/09/16**

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30°39' 00.859"N,  
90°31' 47.570"W

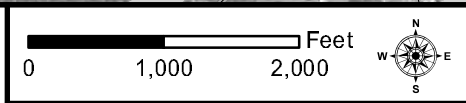
Point of Access 1  
30°38' 24.39" N  
90°31' 15.99" W

Point of Access 2  
30°37' 41.28" N  
90°31' 07.56" W

Point of Access 3  
30°37' 34.67" N  
90°30' 52.05" W

30°37' 14.568"N,  
90°30' 40.212"W

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**Figure 6: W2-L15 Plan View**

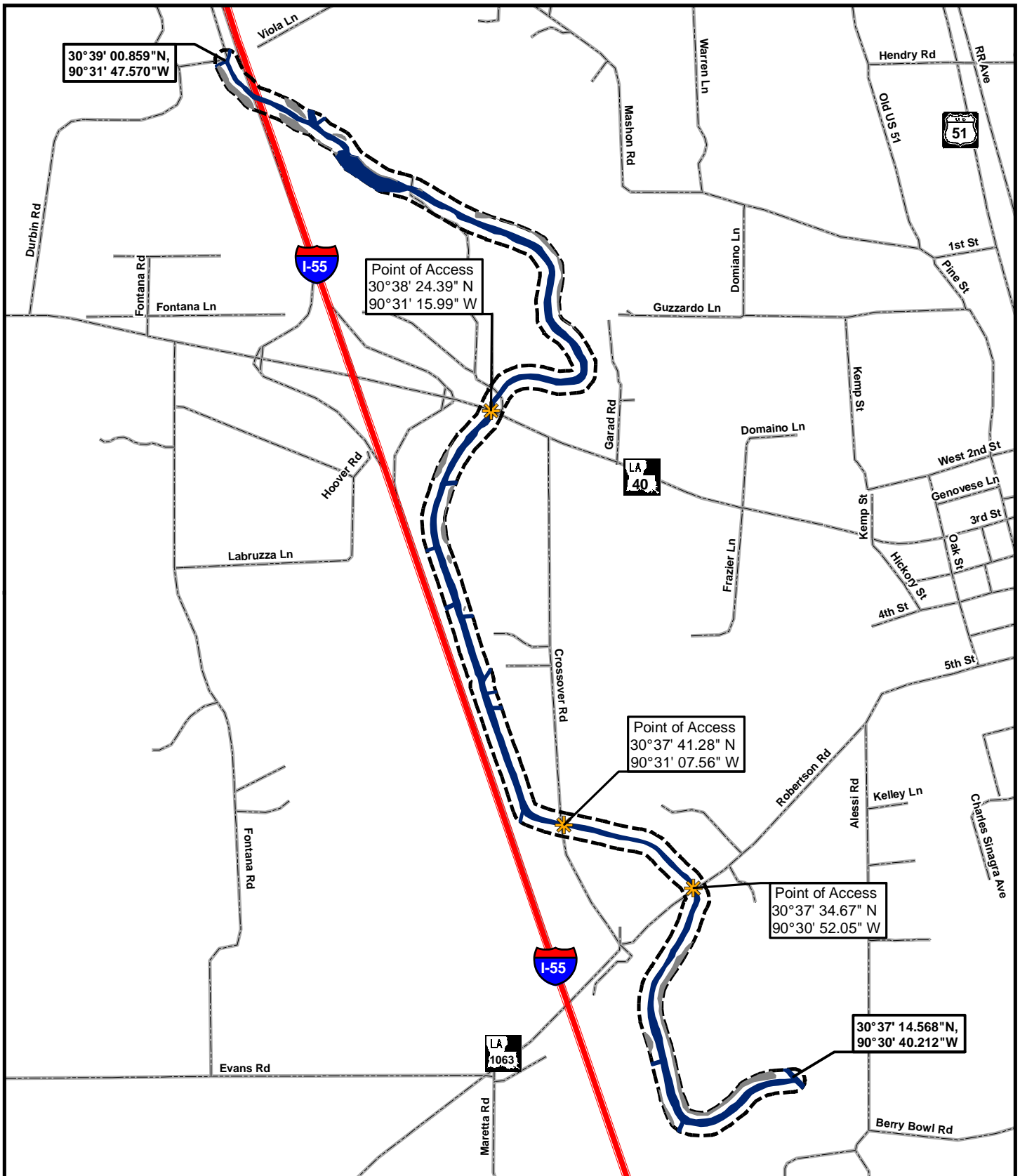
W1-L1\_W2-L12, L12A, & L12B\_W2-L14\_W2-L15  
W2-L16 & L16A\_W2-L10\_W9-L10\_W3-L8 & L8A  
W6-L5\_W6-L7D\_W2-L3\_W3-L1, L1A, L1B, & L1C

**Legend:**

- Project Outline
- Roadway
- Chipping and Debris Removal ± 17,149 LF
- Stream/River
- Point of Access

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0 1,000 2,000 Feet

JD Overlay

**W2-L15**

**Legend:**

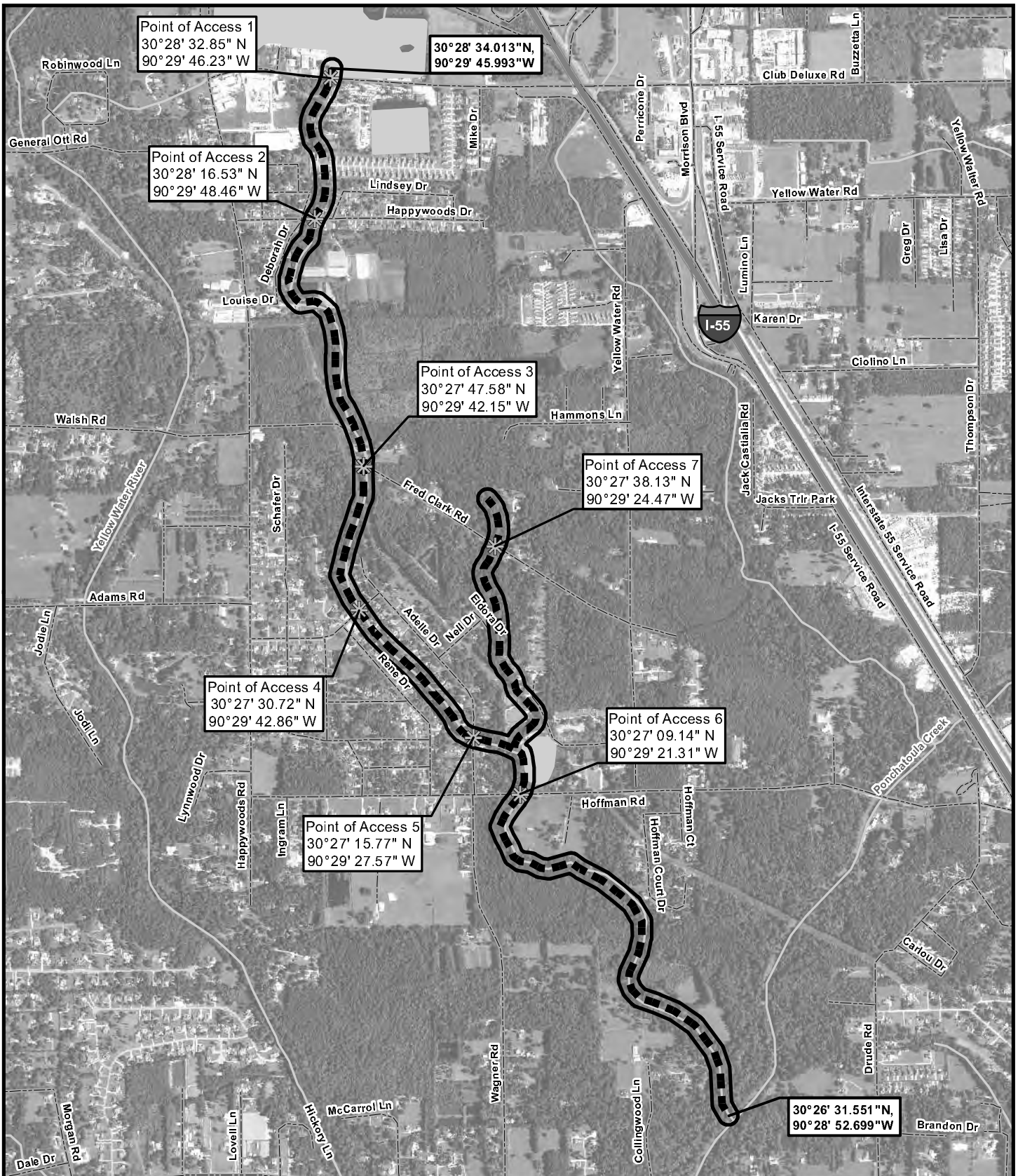
- Project Outline
- Point of Access
- Other Waters
- Wetlands

**Acres**

- Project Outline ± 95.36 Acres
- Wetlands ± 07.77 Acres
- Other Waters ± 18.26 Acres

**JD-MVN-2016-00575-SA dated 6/01/16**

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0 1,000 2,000 Feet

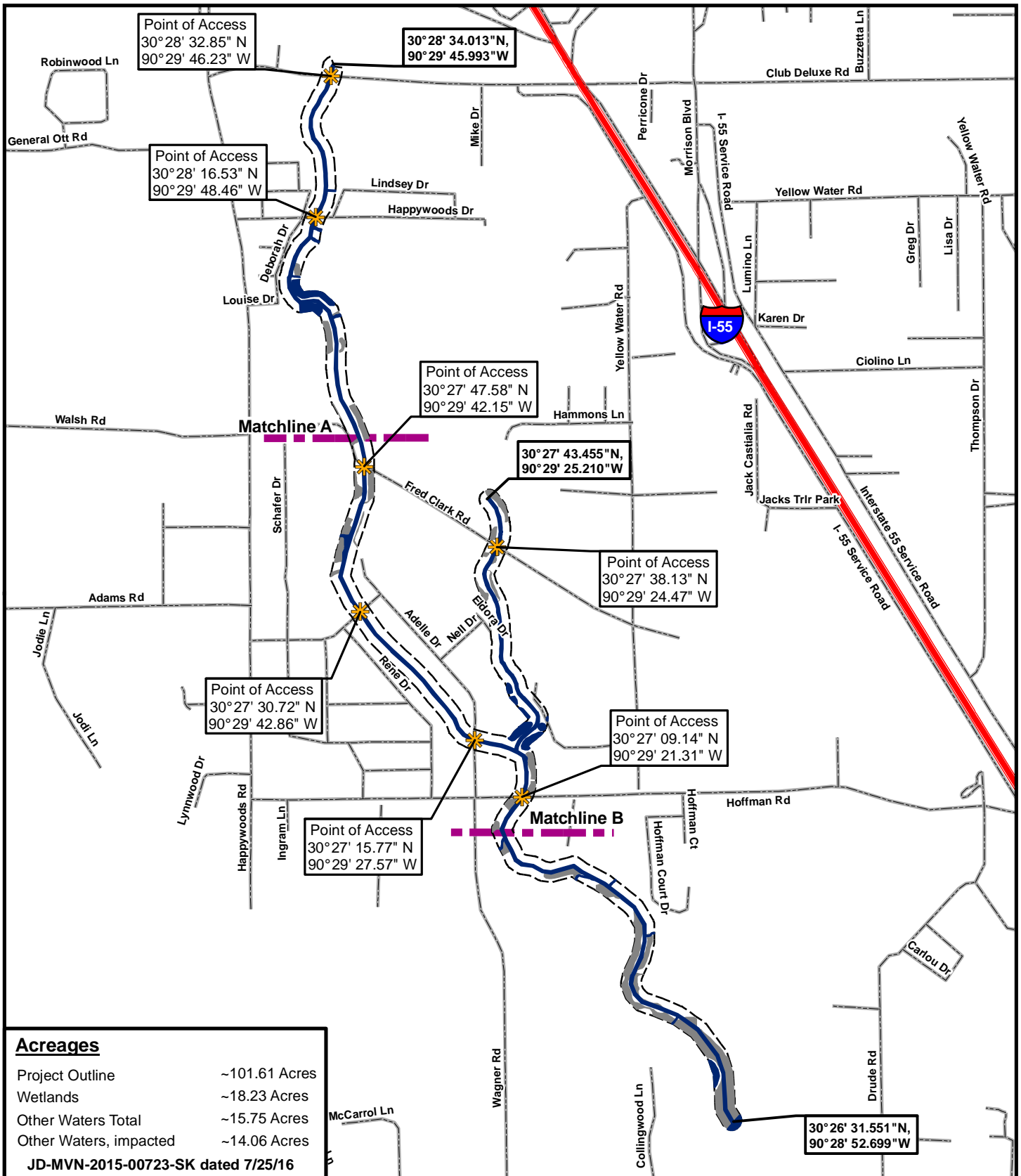
**Figure 7: W2-L16, 16A  
Plan View**

W1-L1\_W2-L12, L12A, & L12B\_W2-L14\_W2-L15  
W2-L16 & L16A\_W2-L10\_W9-L10\_W3-L8 & L8A  
W6-L5\_W6-L7D\_W2-L3\_W3-L1, L1A, L1B, & L1C

**Legend:**

- Project Outline
- Roadway
- Chipping and Debris Removal ± 18,819 LF
- Stream/River
- Point of Access


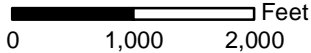







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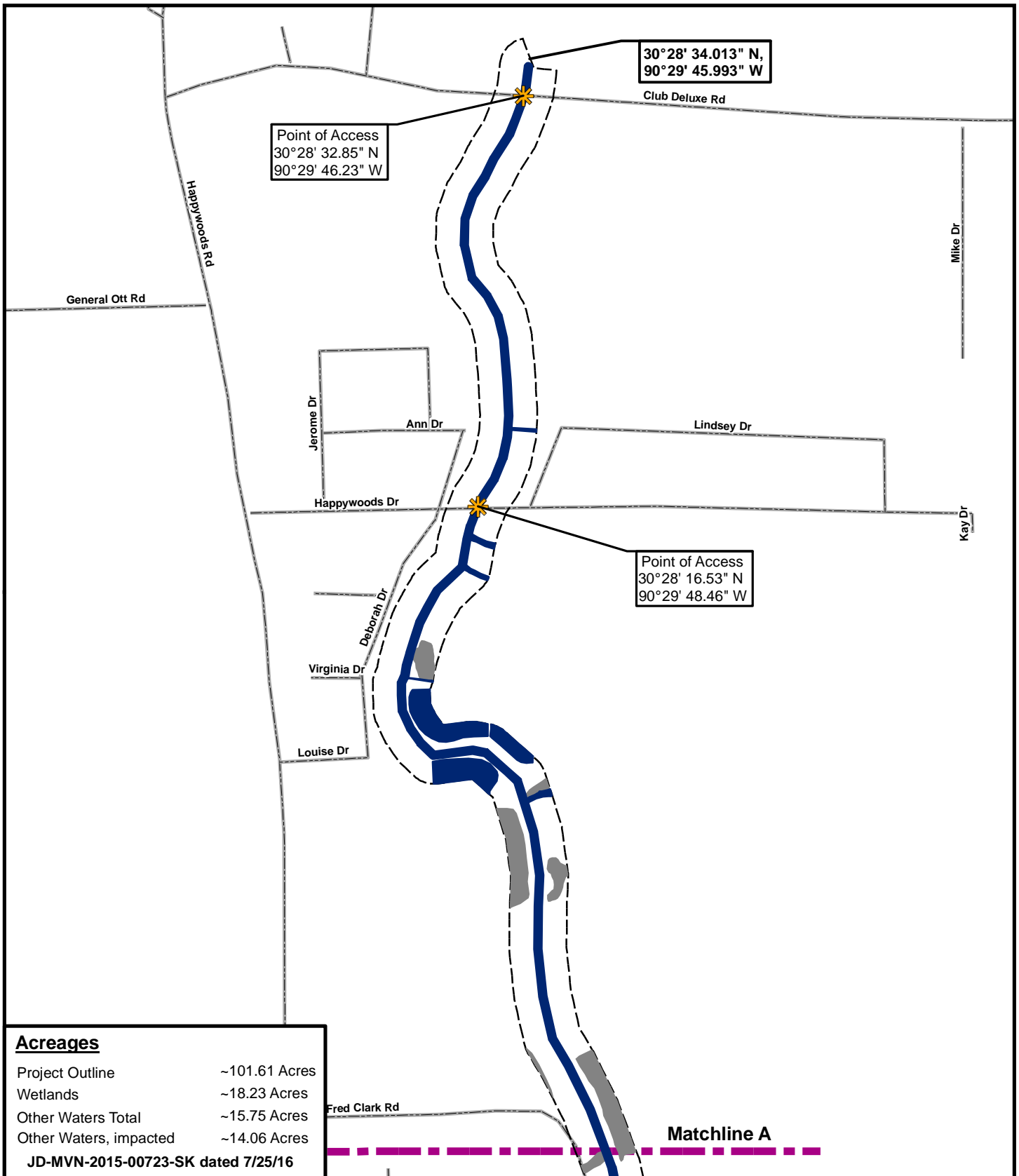
**Acres**

|                        |               |
|------------------------|---------------|
| Project Outline        | ~101.61 Acres |
| Wetlands               | ~18.23 Acres  |
| Other Waters Total     | ~15.75 Acres  |
| Other Waters, impacted | ~14.06 Acres  |

JD-MVN-2015-00723-SK dated 7/25/16

|   |   |  |
|---|---|--|
| <br>43177 East Pleasant Ridge Road<br>Hammond, Louisiana 70403<br>P. 985-662-5501, F. 985-662-5504 |   | <b>Legend:</b><br> Project Outline  Matchline<br> Point of Access  Roadway<br> Other Waters<br> Wetlands |
|   | <b>JD Overlay</b>   |  |
|   | <b>W2_L16-16A</b>   |  |

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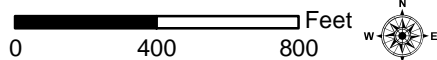
**Acreages**

|                        |               |
|------------------------|---------------|
| Project Outline        | ~101.61 Acres |
| Wetlands               | ~18.23 Acres  |
| Other Waters Total     | ~15.75 Acres  |
| Other Waters, impacted | ~14.06 Acres  |

JD-MVN-2015-00723-SK dated 7/25/16



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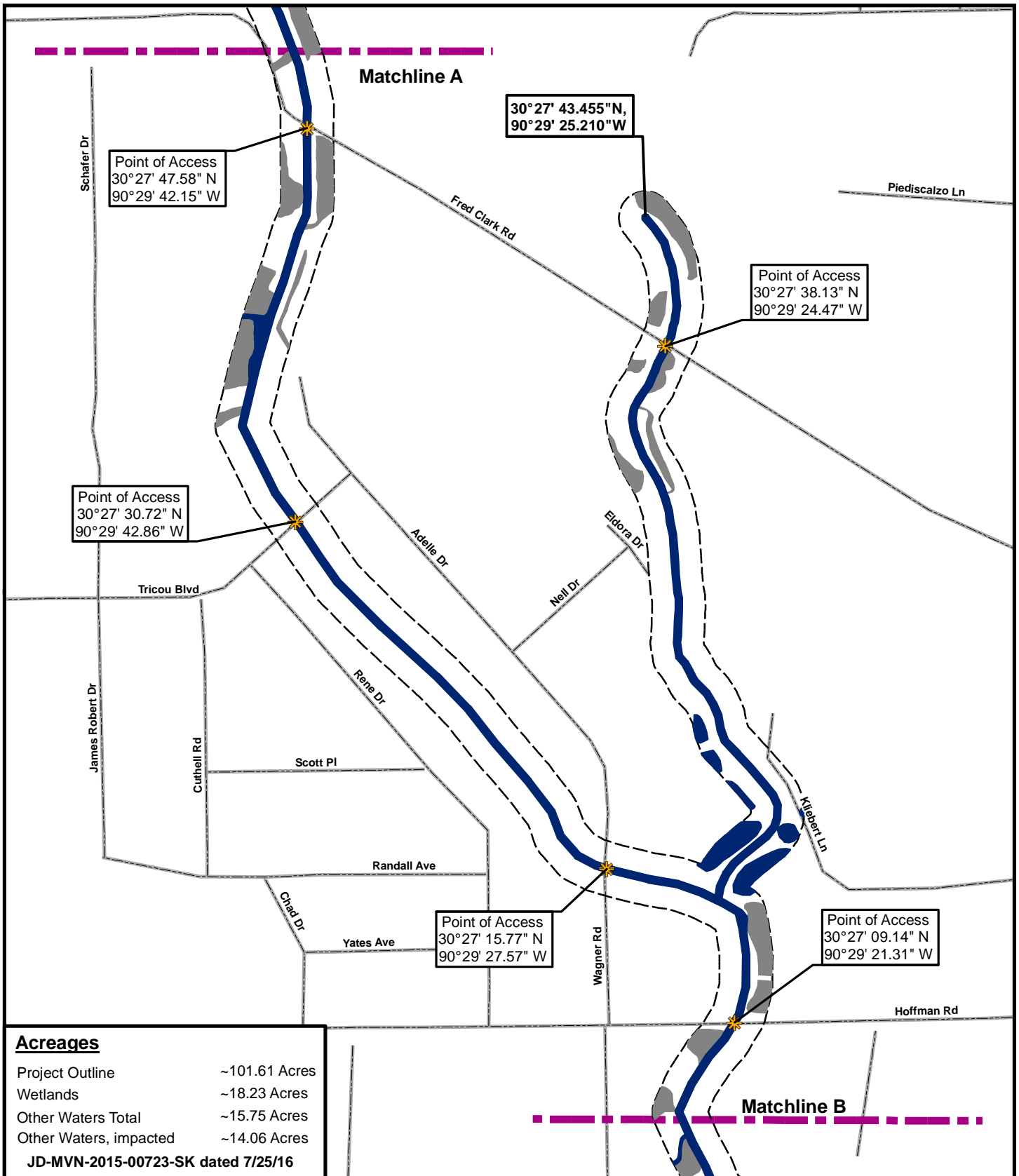
JD Overlay 1

**W2\_L16-16A**

**Legend:**

- Project Outline
- Point of Access
- Other Waters
- Wetlands
- Matchline
- Roadway

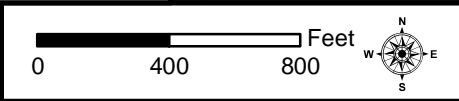
Map prepared from public and proprietary spatial data. ELOS Environmental, LLC does not warrant its accuracy or completeness. This map should not be used to establish legal boundaries or specific locations.



**Acrages**

|   |               |
|---|---------------|
| Project Outline                           | ~101.61 Acres |
| Wetlands                                  | ~18.23 Acres  |
| Other Waters Total                        | ~15.75 Acres  |
| Other Waters, impacted                    | ~14.06 Acres  |
| <b>JD-MVN-2015-00723-SK dated 7/25/16</b> |               |

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JD Overlay 2

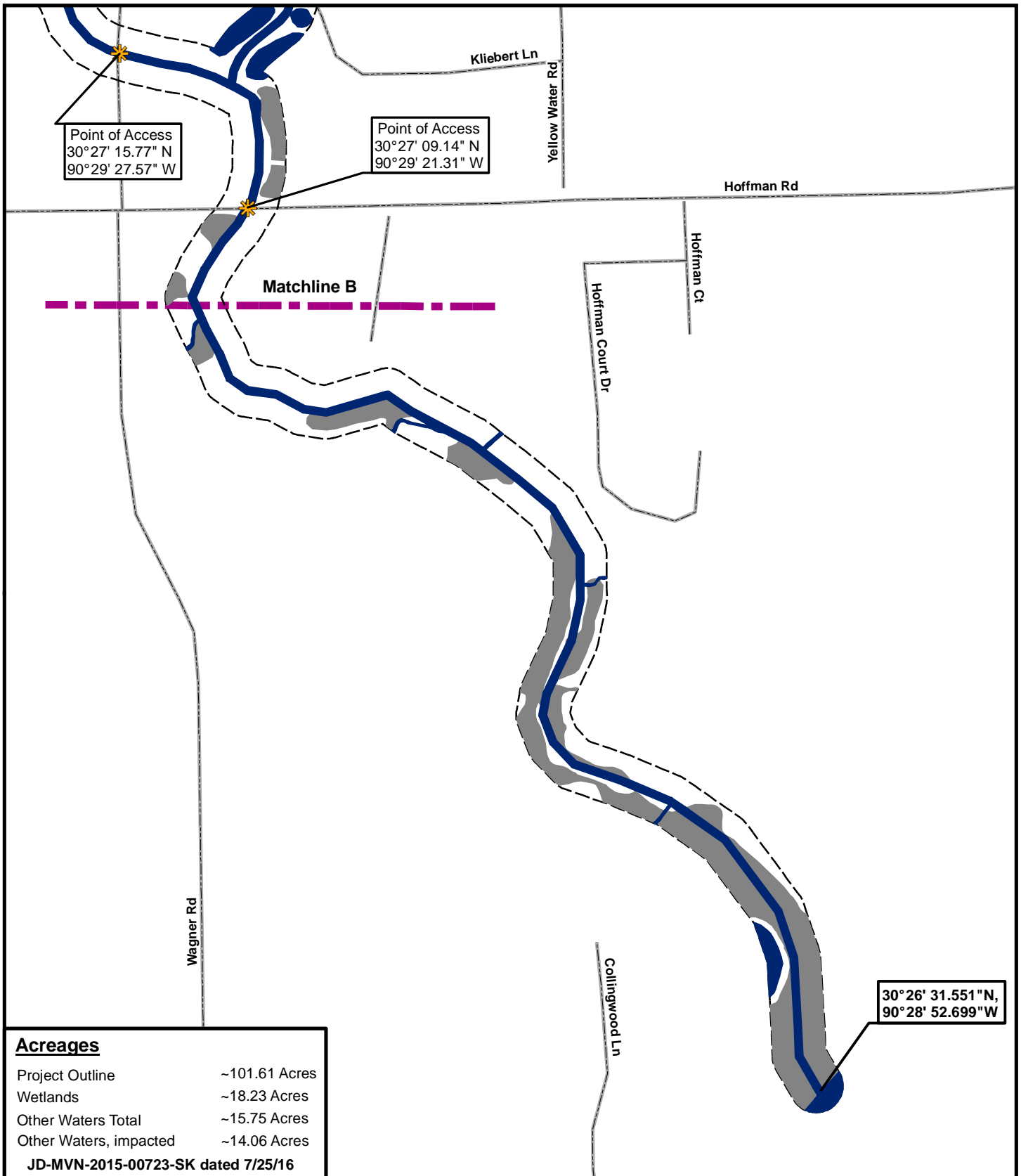
**W2\_L16-16A**

**Legend:**

- Project Outline
- Matchline
- Point of Access
- Roadway
- Other Waters
- Wetlands

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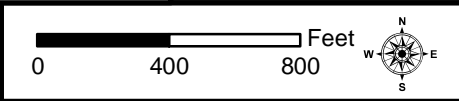




**Acreages**

|   |               |
|---|---------------|
| Project Outline                           | ~101.61 Acres |
| Wetlands                                  | ~18.23 Acres  |
| Other Waters Total                        | ~15.75 Acres  |
| Other Waters, impacted                    | ~14.06 Acres  |
| <b>JD-MVN-2015-00723-SK dated 7/25/16</b> |               |

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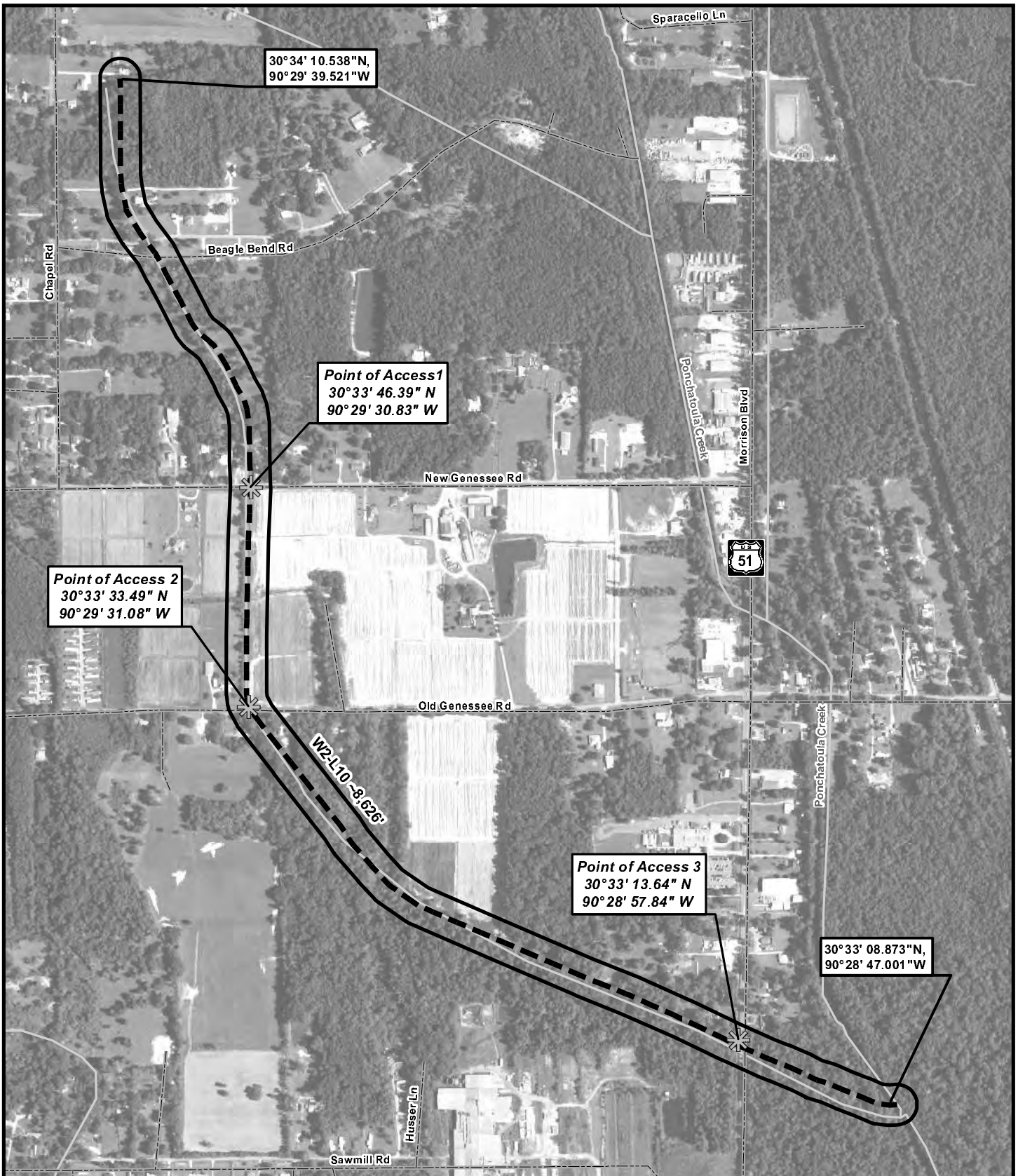
**JD Overlay 3**

**W2\_L16-16A**

**Legend:**

- Project Outline
- Matchline
- Point of Access
- Roadway
- Other Waters
- Wetlands

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0 600 1,200 Feet

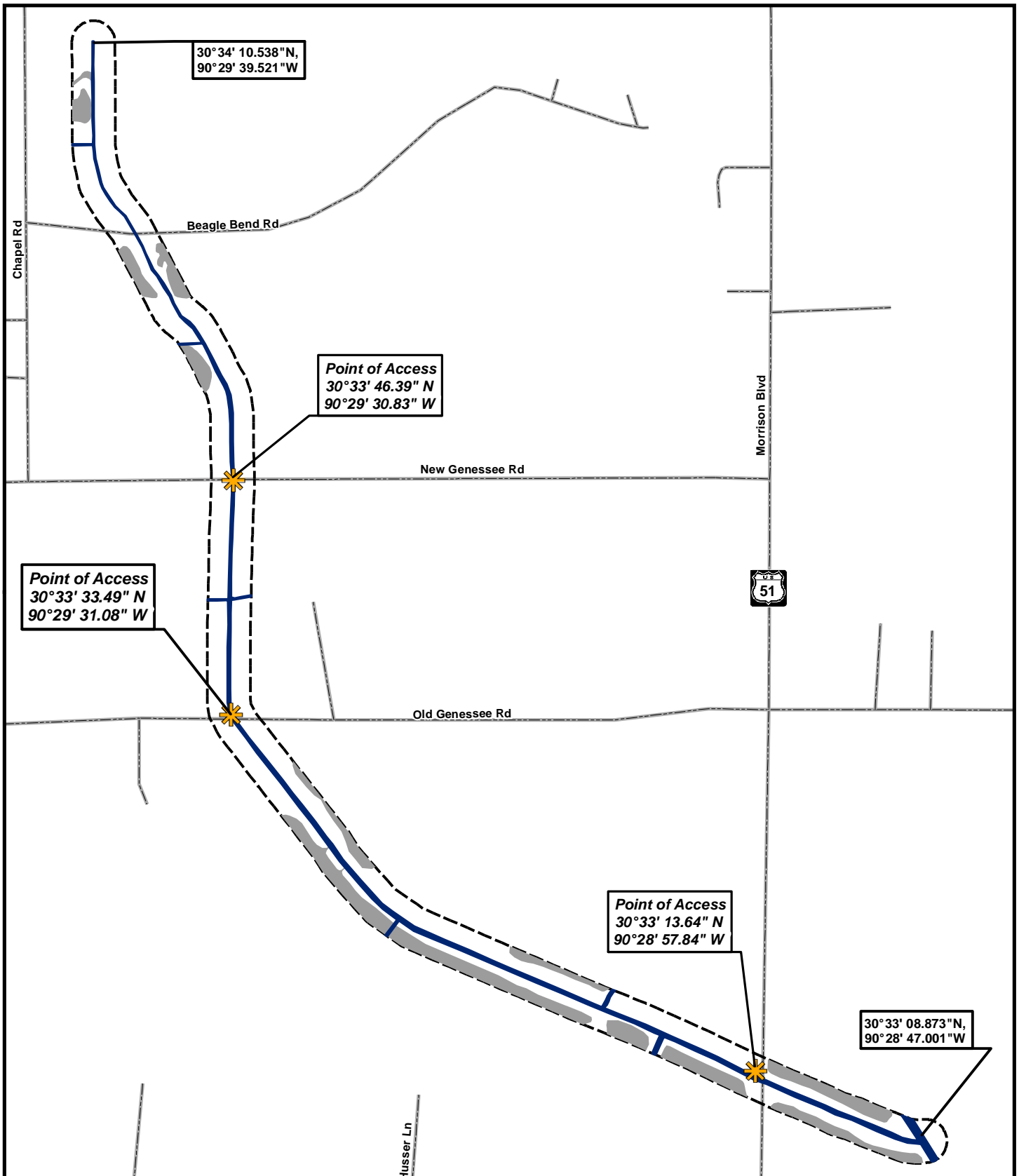
**Figure 8: W2-L10 Plan View**

W1-L1, W2-L12, L12A, & L12B, W2-L14, W2-L15  
W2-L16 & L16A, W2-L10, W9-L10, W3-L8 & L8A  
W6-L5, W6-L7D, W2-L3, W3-L1, L1A, L1B, & L1C

**Legend:**

- Project Outline
- Roadway
- Chipping and Debris Removal ± 8,539 LF
- Stream/River
- Point of Access

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0 500 1,000 Feet

JD Overlay

**W2-L10**

**Legend:**

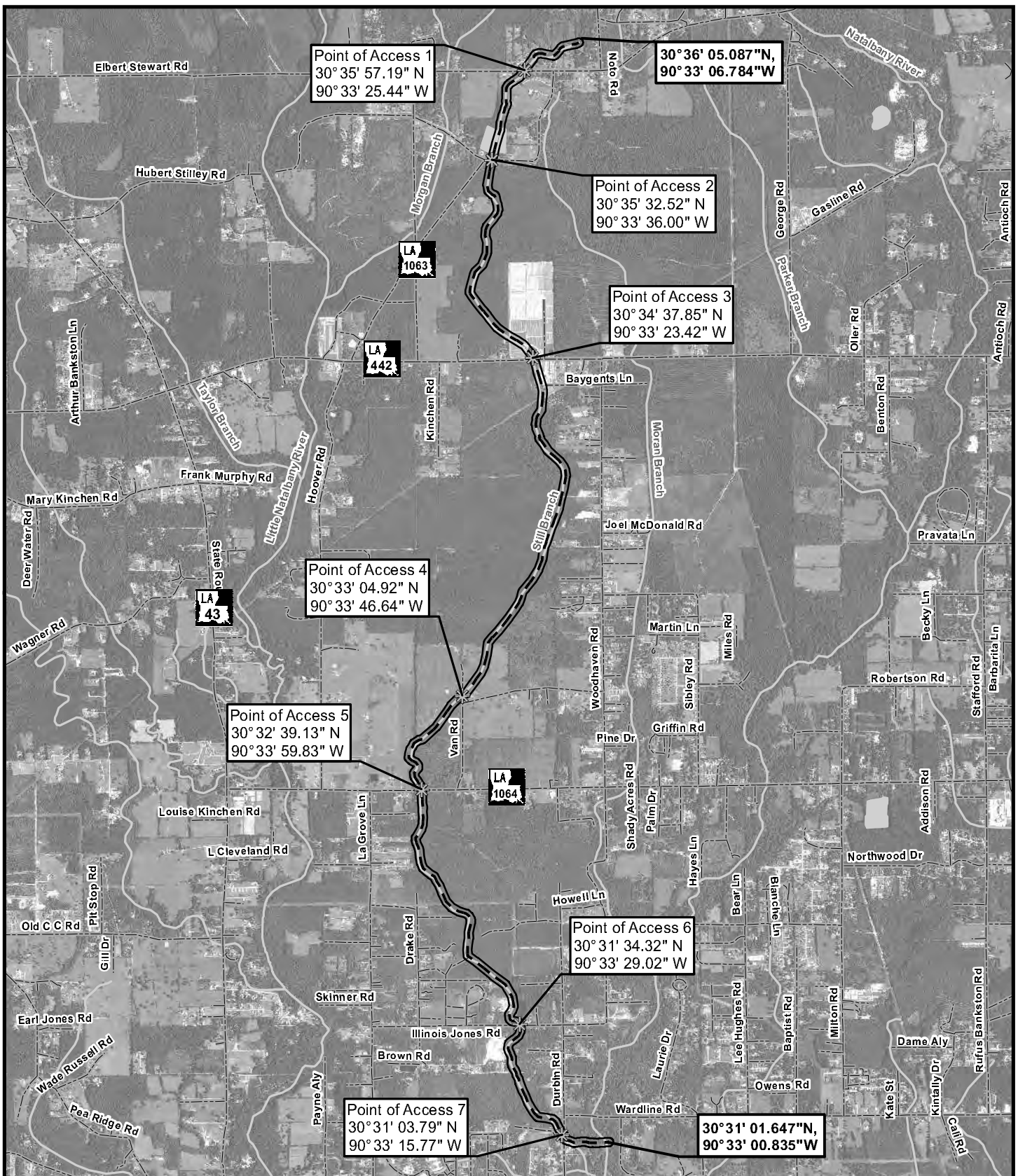
- Project Outline
- Other Waters
- Wetlands
- Roadway

**Acres**

Project Outline ± 48.56 Acres  
Wetlands ± 09.50 Acres  
Other Waters ± 03.49 Acres

**JD-MVN-2015-01410-1-ST dated 5/25/16**

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0 2,500 5,000 Feet

**Figure 9: W9-L10 Plan View**

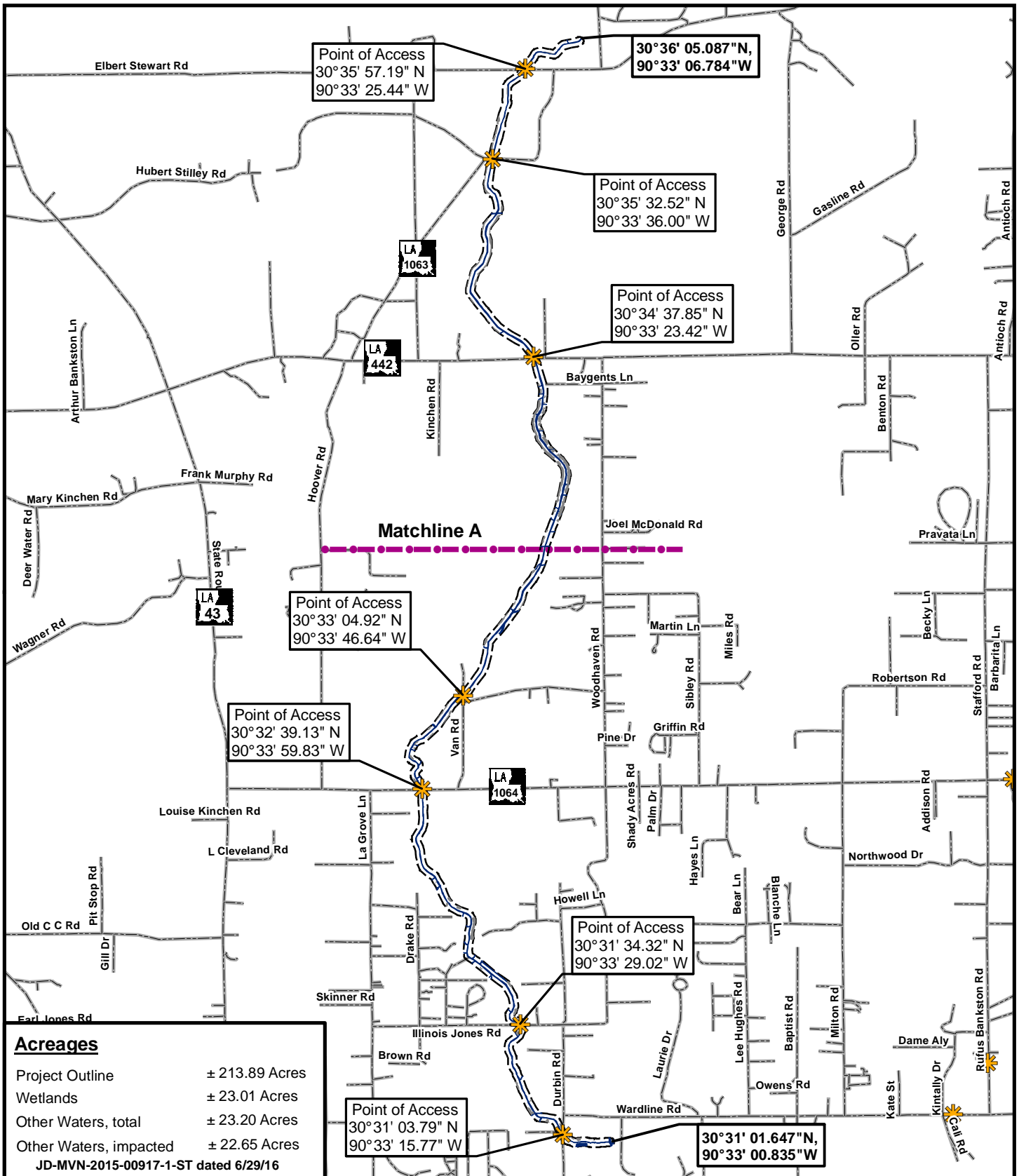
W1-L1\_W2-L12, L12A, & L12B\_W2-L14\_W2-L15  
W2-L16 & L16A\_W2-L10\_W9-L10\_W3-L8 & L8A  
W6-L5\_W6-L7D\_W2-L3\_W3-L1, L1A, L1B, & L1C

**Legend:**

- Project Outline
- Chipping and Debris Removal ± 38,604 LF
- Point of Access
- Roadway
- Stream/River

Map prepared from public and proprietary spatial data. ELOS Environmental, LLC does not warrant its accuracy or completeness. This map should not be used to establish legal boundaries or specific locations.



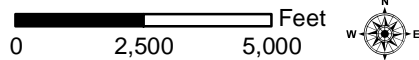


**Acreeages**

|                                      |                |
|--------------------------------------|----------------|
| Project Outline                      | ± 213.89 Acres |
| Wetlands                             | ± 23.01 Acres  |
| Other Waters, total                  | ± 23.20 Acres  |
| Other Waters, impacted               | ± 22.65 Acres  |
| JD-MVN-2015-00917-1-ST dated 6/29/16 |                |



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JD Overlay

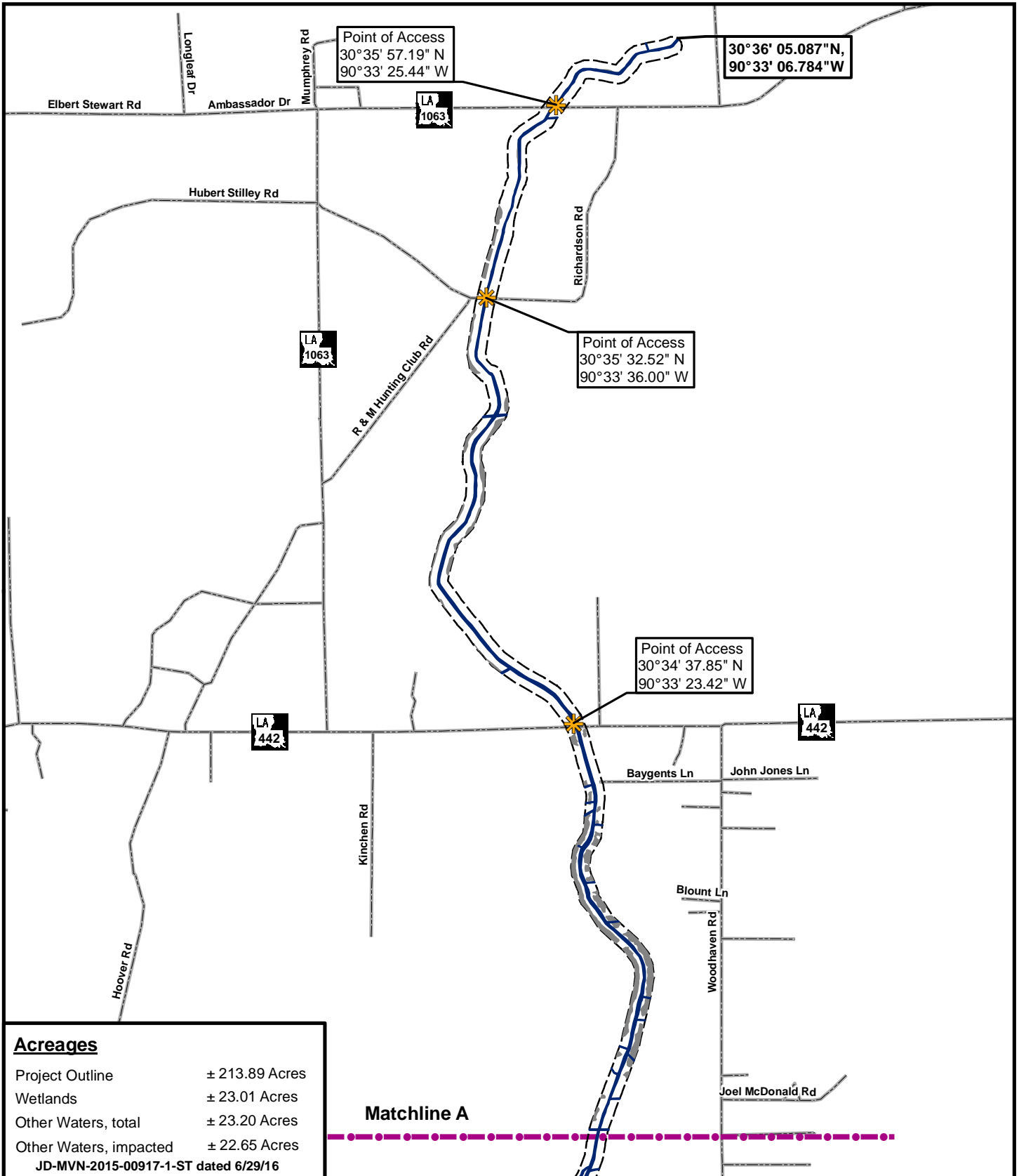
**W9-L10**

**Legend:**

- Project Outline
- Point of Access
- Wetlands
- Other Waters
- Matchline
- Roadway

Map prepared from public and proprietary spatial data. ELOS Environmental, LLC does not warrant its accuracy or completeness. This map should not be used to establish legal boundaries or specific locations.





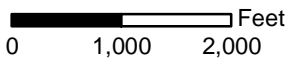
**Acreages**

|                                      |                |
|--------------------------------------|----------------|
| Project Outline                      | ± 213.89 Acres |
| Wetlands                             | ± 23.01 Acres  |
| Other Waters, total                  | ± 23.20 Acres  |
| Other Waters, impacted               | ± 22.65 Acres  |
| JD-MVN-2015-00917-1-ST dated 6/29/16 |                |

**Matchline A**



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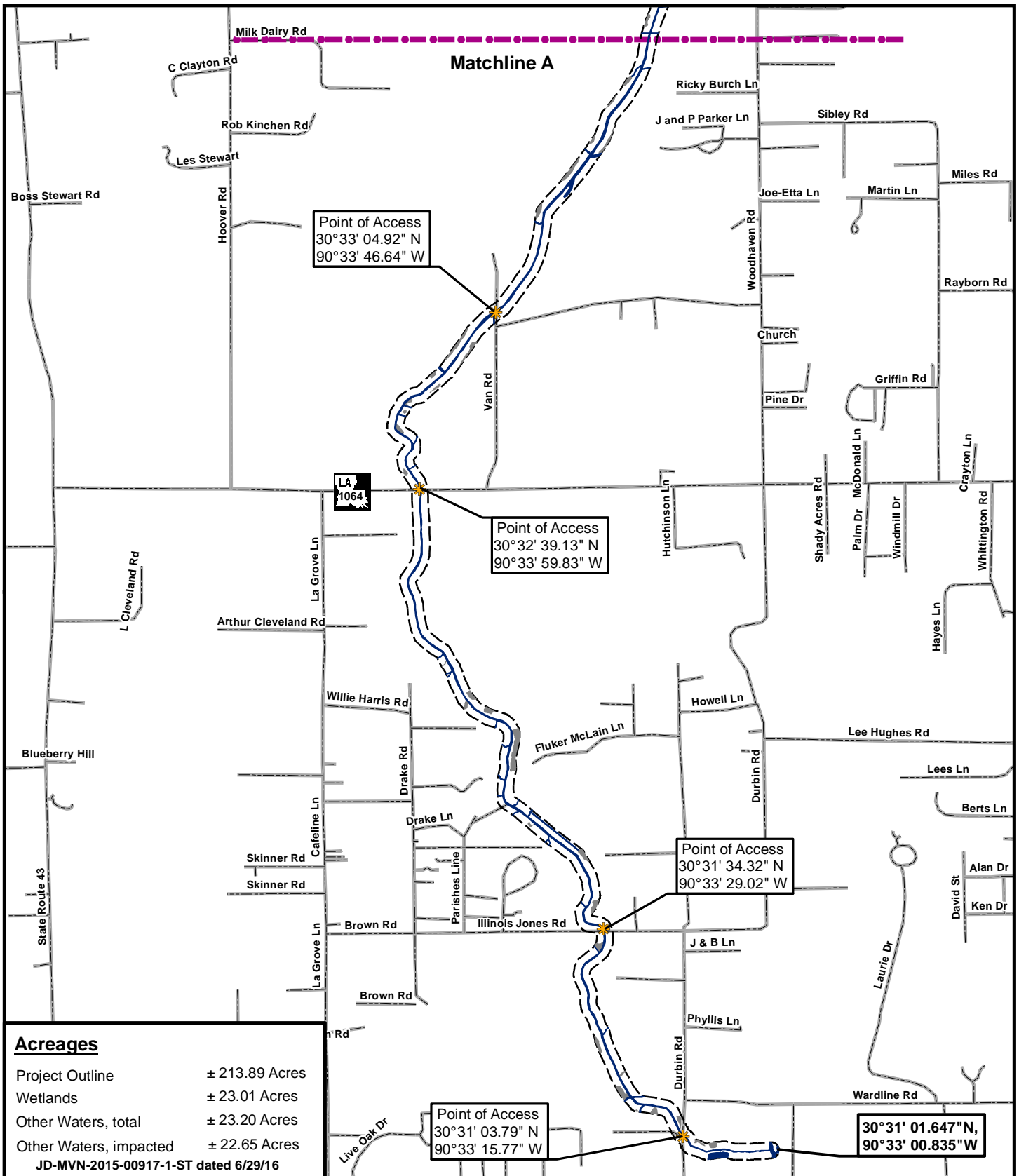
JD Overlay 1

**W9-L10**

**Legend:**

- Project Outline
- Point of Access
- Other Waters
- Wetlands
- Matchline
- Roadway

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**Acreeages**

|                                      |                |
|--------------------------------------|----------------|
| Project Outline                      | ± 213.89 Acres |
| Wetlands                             | ± 23.01 Acres  |
| Other Waters, total                  | ± 23.20 Acres  |
| Other Waters, impacted               | ± 22.65 Acres  |
| JD-MVN-2015-00917-1-ST dated 6/29/16 |                |

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0 1,250 2,500 Feet

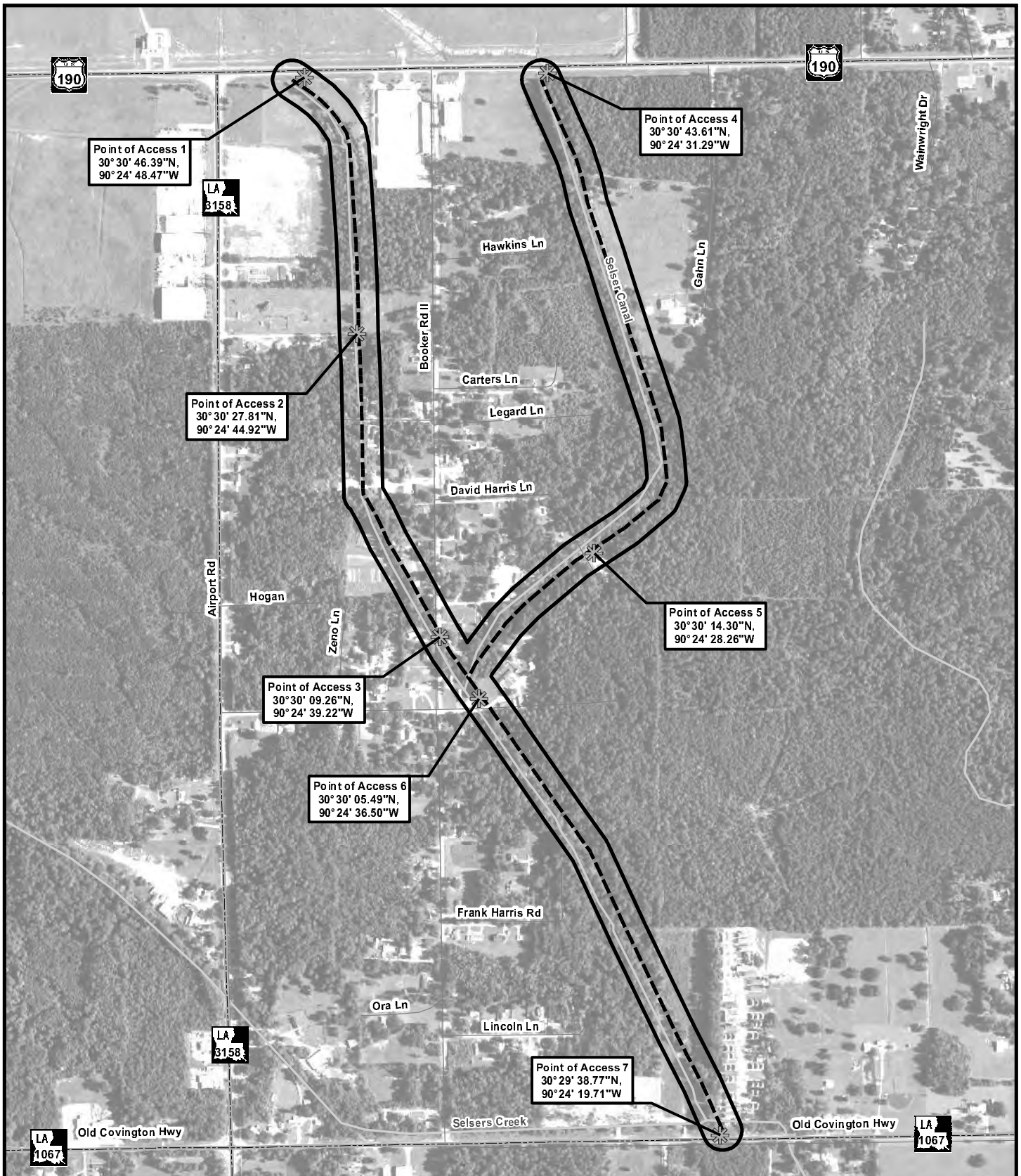
JD Overlay 2

**W9-L10**

**Legend:**

- Project Outline
- Point of Access
- Other Waters
- Wetlands
- Matchline
- Roadway

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0 500 1,000 Feet

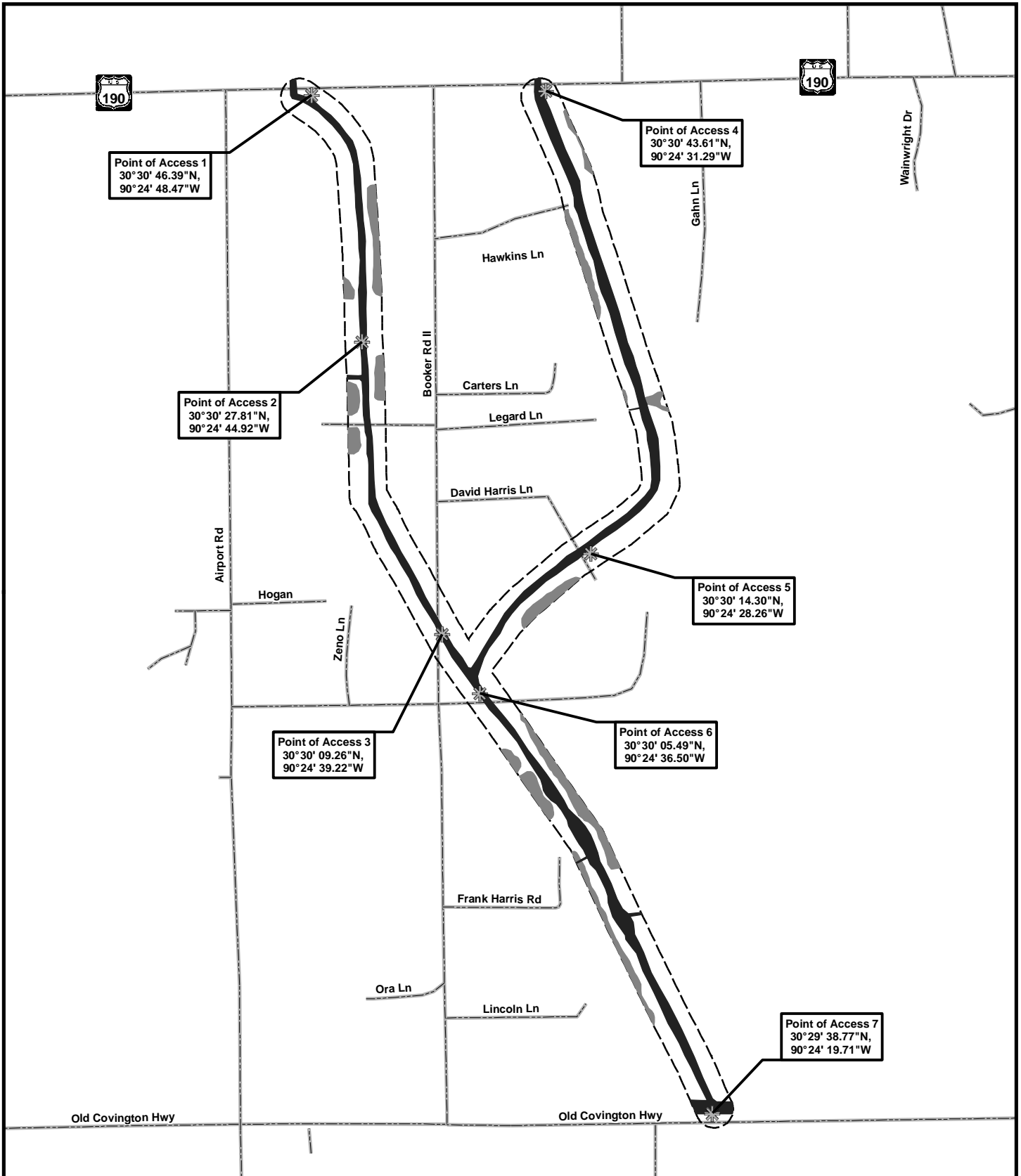
**Figure 10: W3-L8 & L8A  
Plan View**

W1-L1, W2-L12, L12A, & L12B, W2-L14, W2-L15, W2-L16 & L16A, W2-L10, W9-L10, W3-L8 & L8A, W6-L5, W6-L7D, W2-L3, W3-L1, L1A, L1B, & L1C

**Legend:**

- Project Outline
- Chipping and Debris Removal ± 11,583 LF
- Point of Access
- Highway
- Roadway
- Stream/River
- Waterbody

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0 500 1,000 Feet

**JD Overlay**

**W3-L8 & L8A**

**Legend:**

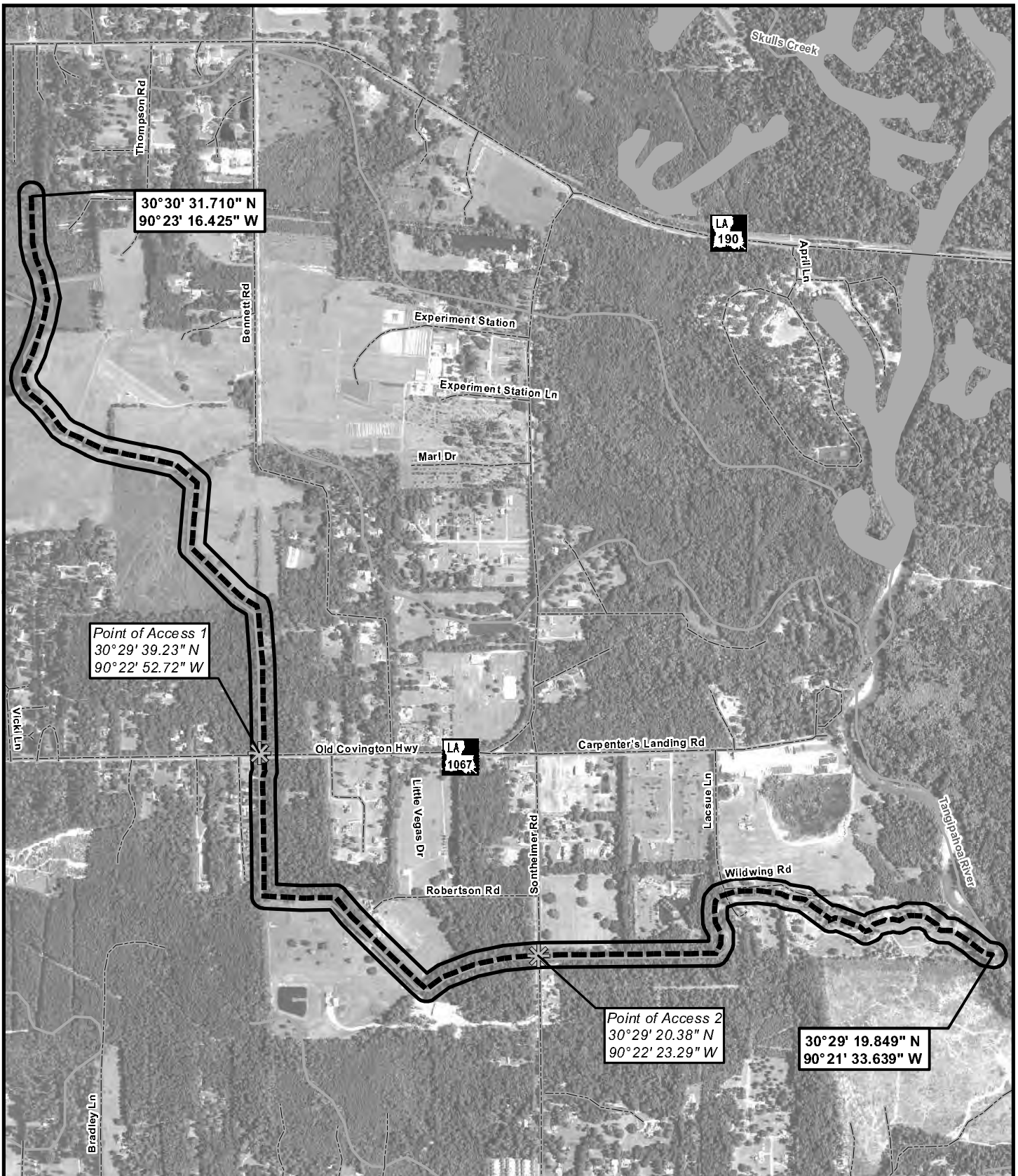
- Project Outline
- Point of Access
- Wetlands
- Other Waters

**Acres:**

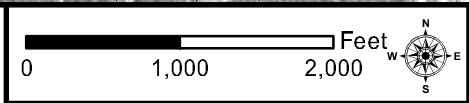
- Project Outline ± 64.64 Acres
- Wetlands ± 06.29 Acres
- Other Waters ± 13.74 Acres

**JD-MVN-2015-00909-1-SG dated 7/25/16**

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**Figure 11: W6-L5 Plan View**

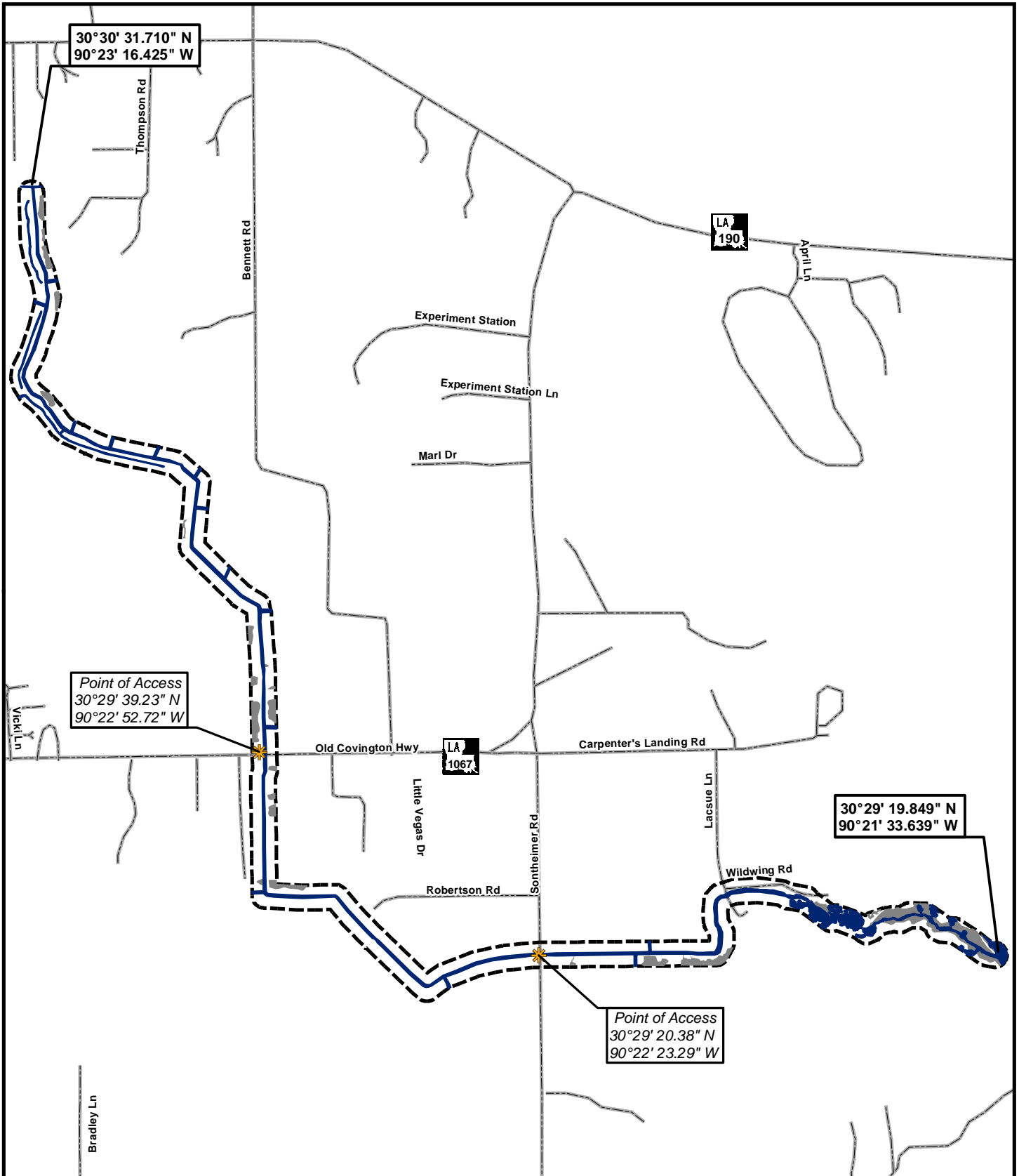
W1-L1, W2-L12, L12A, & L12B, W2-L14, W2-L15, W2-L16 & L16A, W2-L10, W9-L10, W3-L8 & L8A, W6-L5, W6-L7D, W2-L3, W3-L1, L1A, L1B, & L1C

**Legend:**

- Project Outline
- Chipping and Debris Removal ± 15,878 LF
- Point of Access
- Roadway
- Stream/River

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0 1,000 2,000 Feet

JD Overlay

**W6-L5**

**Legend:**

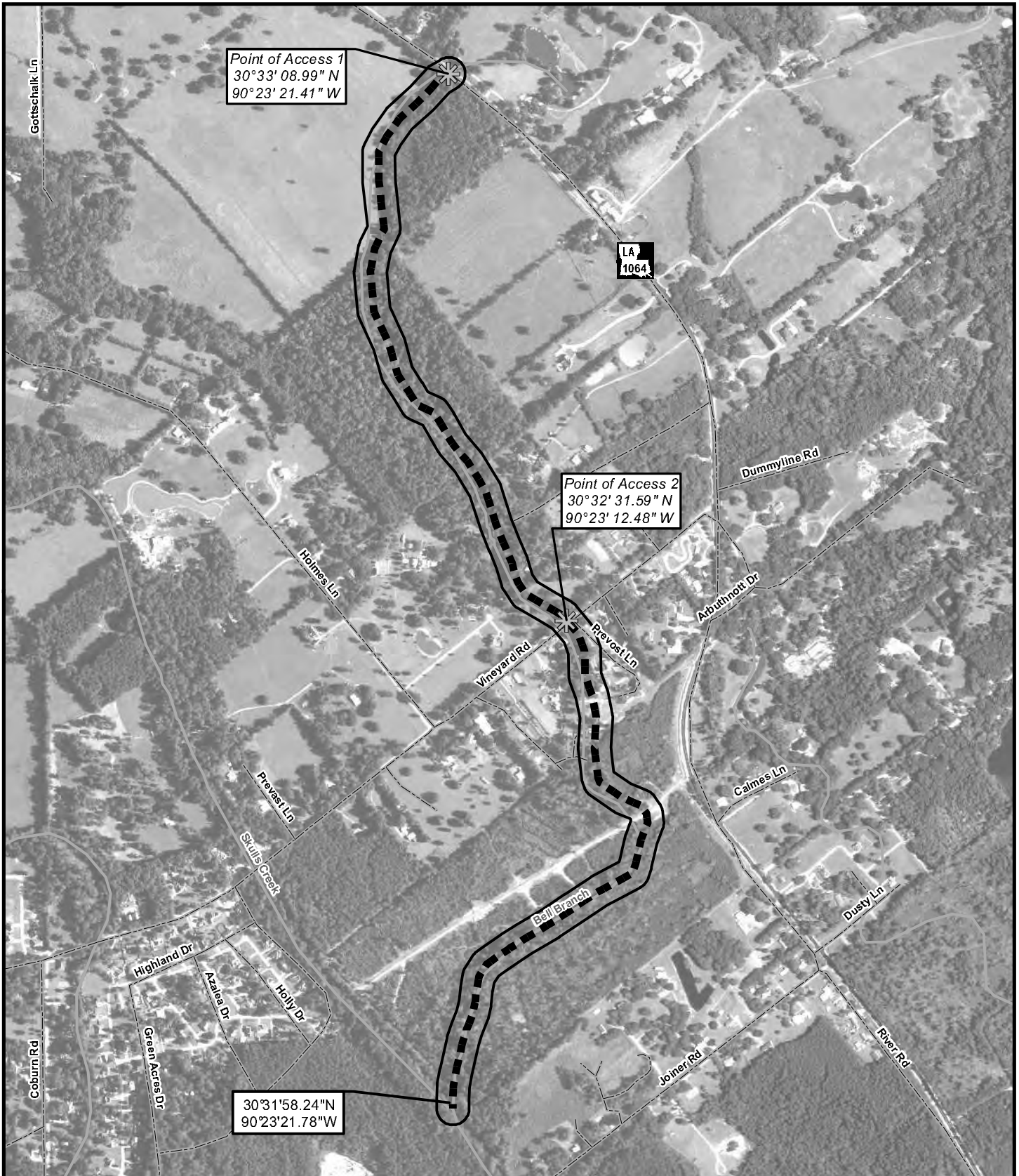
- Project Outline
- Point of Access
- Other Waters
- Wetlands

**Acrages**

|                        |               |
|------------------------|---------------|
| Project Outline        | ± 84.49 Acres |
| Wetlands               | ± 07.85 Acres |
| Other Waters, total    | ± 11.11 Acres |
| Other Waters, impacted | ± 08.88 Acres |

**JD-MVN-2015-00915-1-ST dated 5/25/16**

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0 600 1,200 Feet

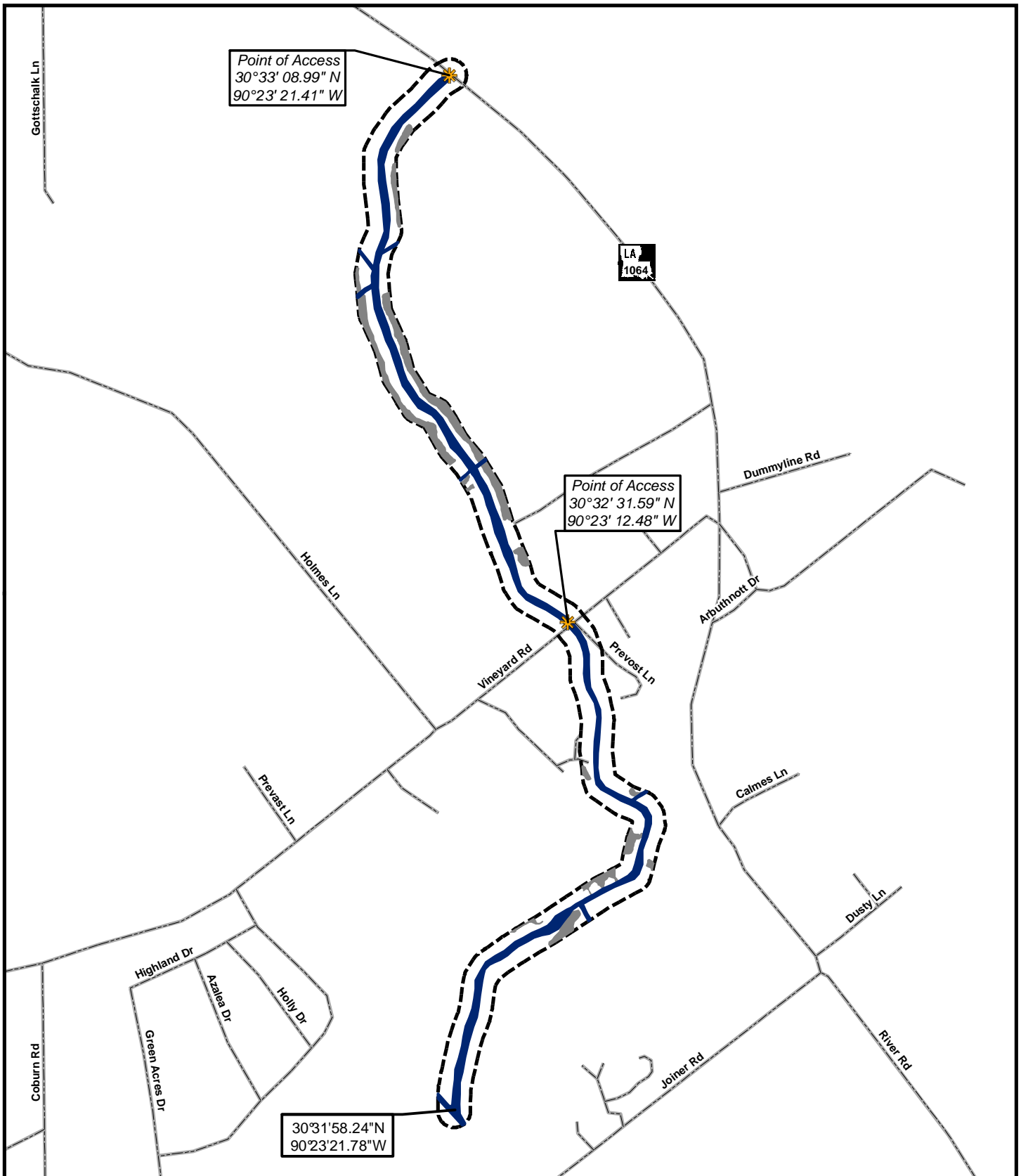
**Figure 12: W6-L7D Plan View**

W1-L1, W2-L12, L12A, & L12B, W2-L14, W2-L15, W2-L16 & L16A, W2-L10, W9-L10, W3-L8 & L8A, W6-L5, W6-L7D, W2-L3, W3-L1, L1A, L1B, & L1C


**Legend:**

- Project Outline
- Chipping and Debris Removal ± 8,685 LF
- Point of Access
- Roadway
- Stream/River

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0 600 1,200 Feet 

JD Overlay

**W6-L7D**

**Legend:**

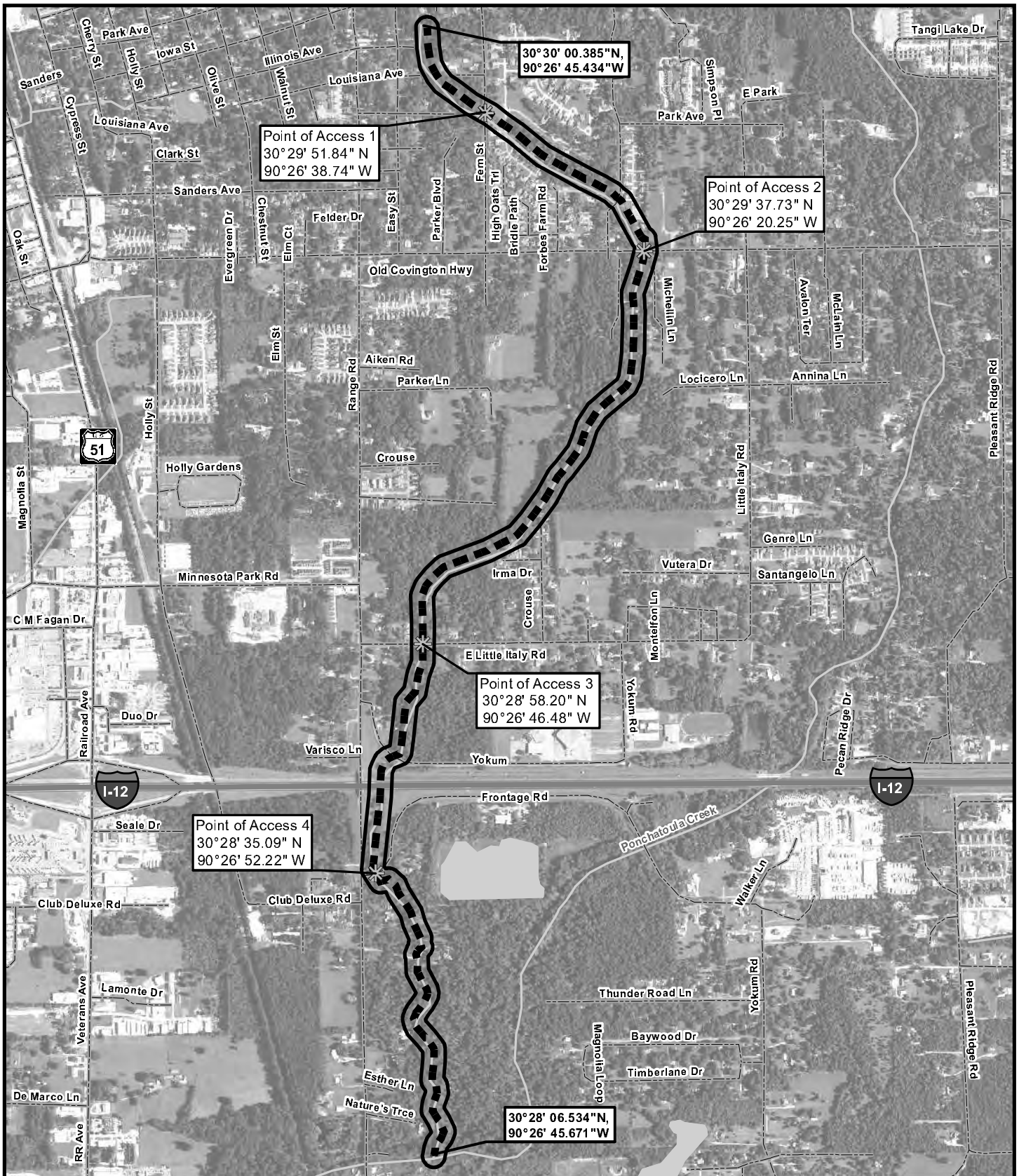
-  Project Outline
-  Point of Access
-  Other Waters
-  Wetlands

**Acreages**

- Project Outline ± 45.74 Acres
- Wetlands ± 03.48 Acres
- Other Waters ± 07.32 Acres

JD-MVN-2015-00916-1-ST dated 5/25/16

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0 1,000 2,000 Feet

**Figure 13: W2-L3 Plan View**

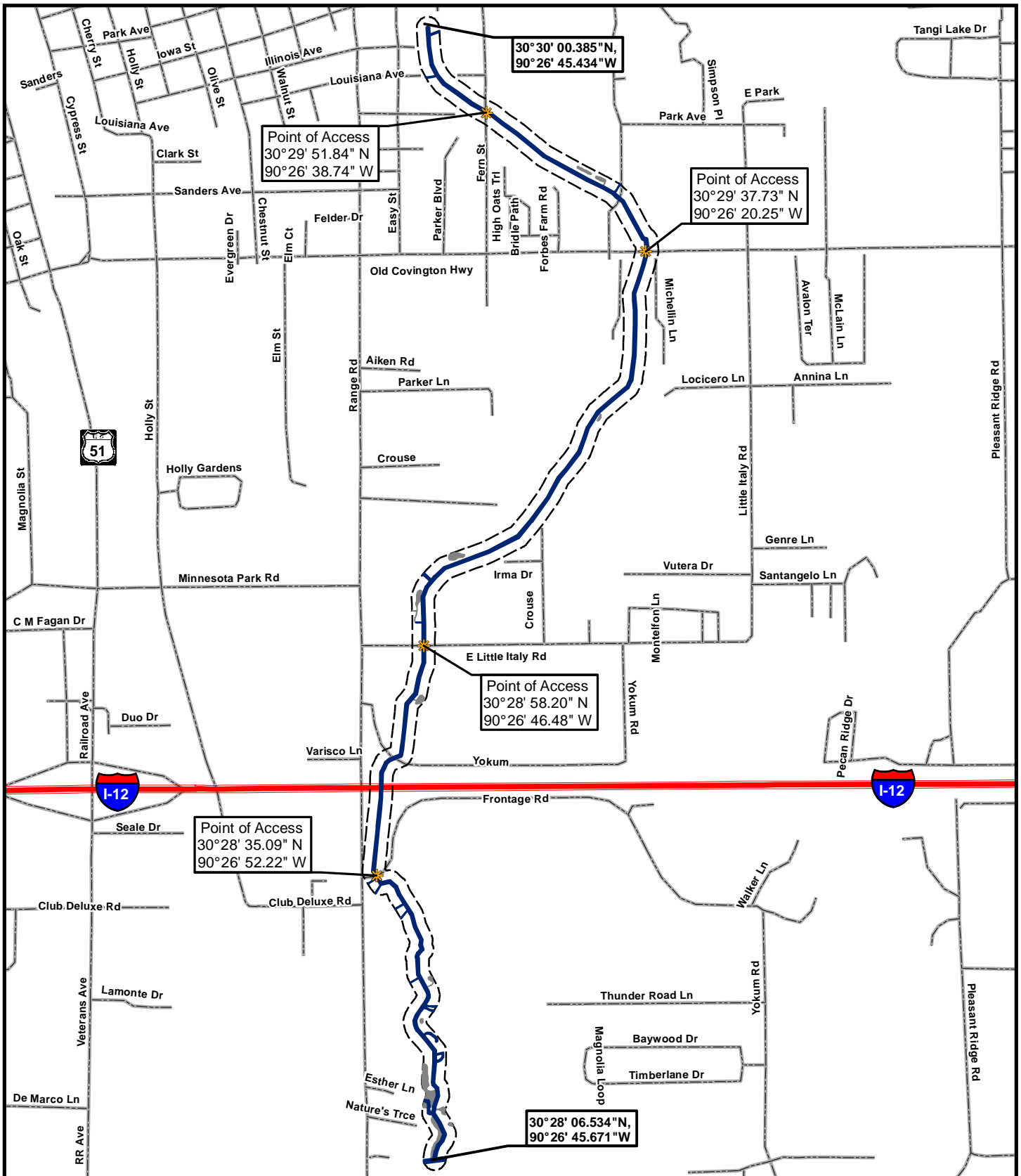
W1-L1\_W2-L12, L12A, & L12B\_W2-L14\_W2-L15  
W2-L16 & L16A\_W2-L10\_W9-L10\_W3-L8 & L8A  
W6-L5\_W6-L7D\_W2-L3\_W3-L1, L1A, L1B, & L1C

**Legend:**

- Project Outline
- Roadway
- Chipping and Debris Removal ± 14,226 LF
- Stream/River
- Point of Access

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0 1,000 2,000 Feet

JD Overlay

**W2-L3**

**Legend:**

- Project Outline
- Point of Access
- Other Waters
- Wetlands

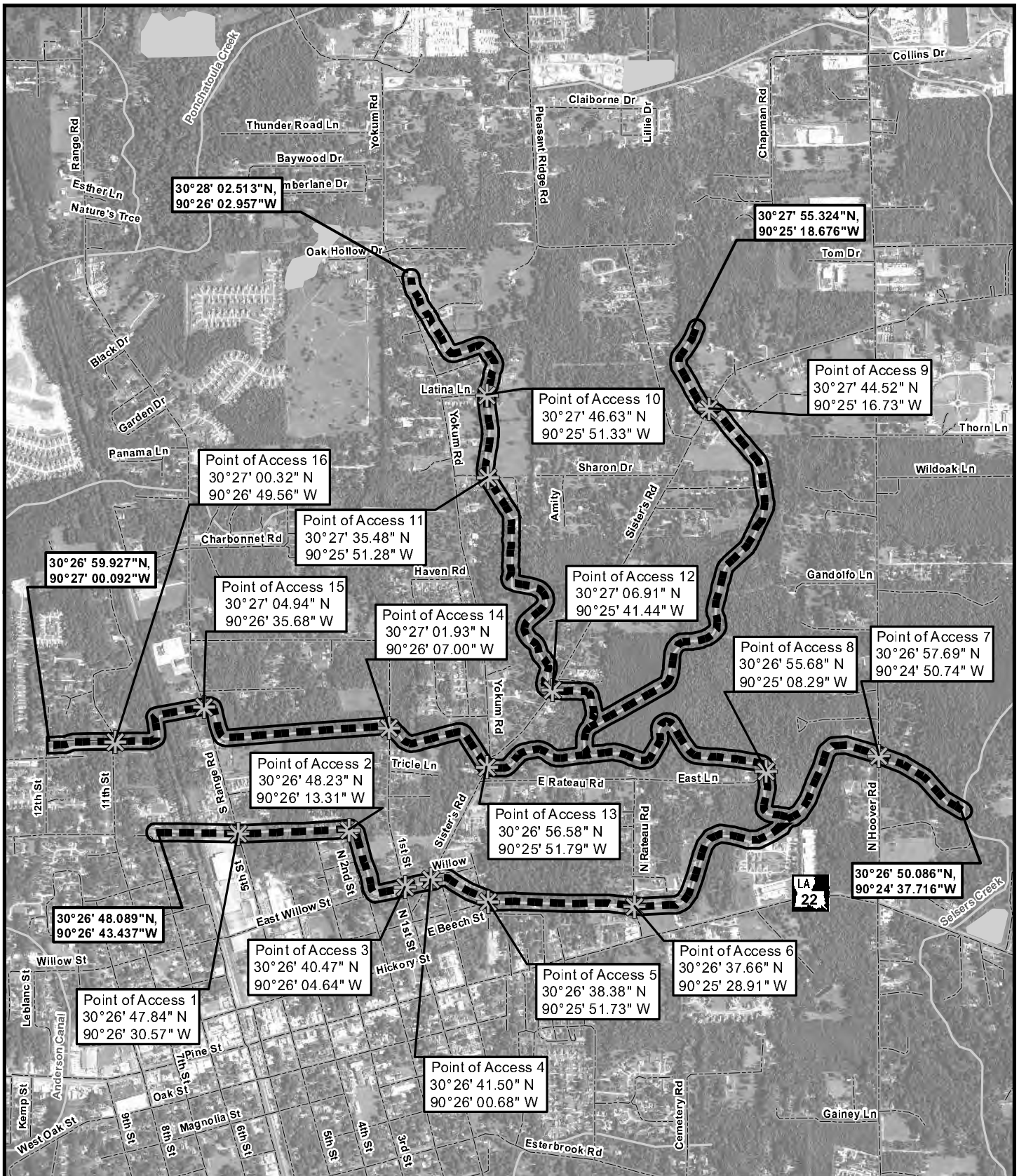
**Acres**

- Project Outline ± 75.86 Acres
- Wetlands ± 02.00 Acres
- Other Waters ± 10.44 Acres

**JD-MVN-2014-02829-SA dated 6/23/16**

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0 1,200 2,400 Feet

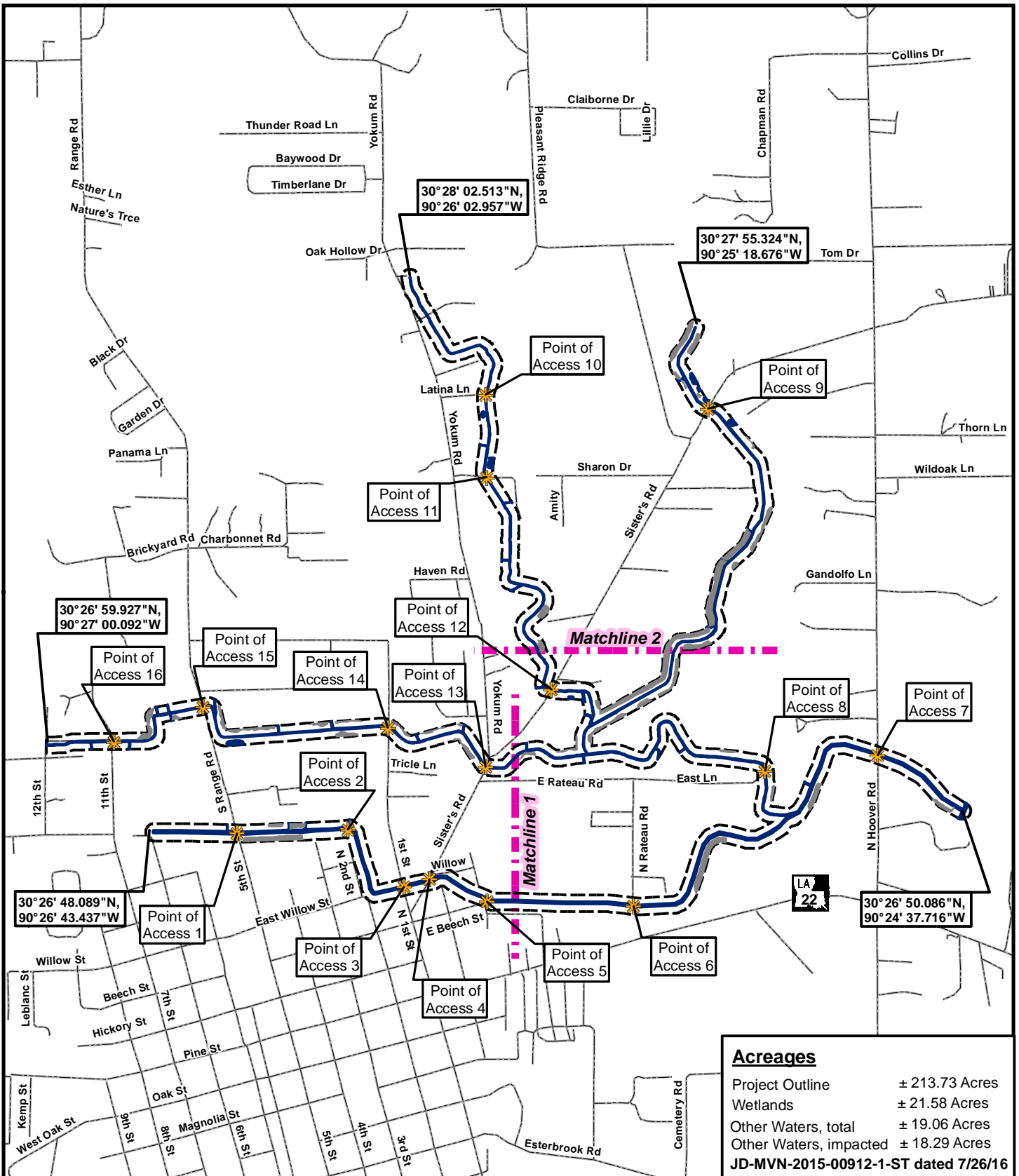
**Figure 14\_W3-L1, L1A, L1B, & L1C  
Plan View**

**W1-L1\_W2-L12, L12A, & L12B\_W2-L14\_W2-L15  
W2-L16 & L16A\_W2-L10\_W9-L10\_W3-L8 & L8A  
W6-L5\_W6-L7D\_W2-L3\_W3-L1, L1A, L1B, & L1C**

**Legend:**

- Project Outline
- Chipping and Debris Removal ± 43,276 LF
- Point of Access
- Roadway
- Stream/River

Map prepared from public and proprietary spatial data. ELOS Environmental, LLC does not warrant its accuracy or completeness. This map should not be used to establish legal boundaries or specific locations.



| <b>Acres</b>                                |                |
|---|----------------|
| Project Outline                             | ± 213.73 Acres |
| Wetlands                                    | ± 21.58 Acres  |
| Other Waters, total                         | ± 19.06 Acres  |
| Other Waters, impacted                      | ± 18.29 Acres  |
| <b>JD-MVN-2015-00912-1-ST dated 7/26/16</b> |                |

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0 1,250 2,500 Feet

**JD Overlay**

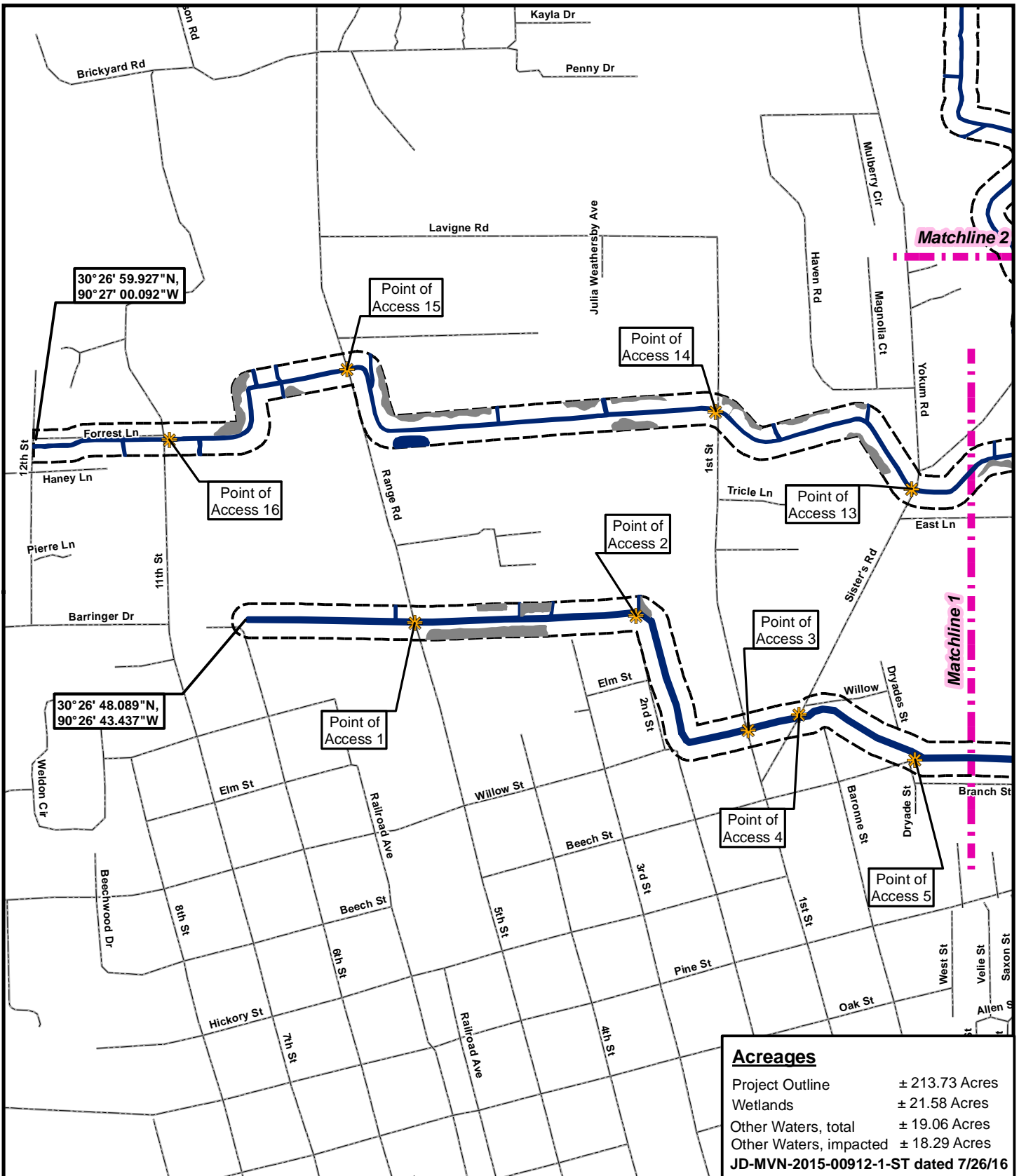
**W3\_L1**

**L1A-L1B-L1C**

**Legend:**

- Project Outline
- Point of Access
- Wetlands
- Other Waters
- Matchline
- Roadway

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| <b>Acres</b>                         |                |
|--------------------------------------|----------------|
| Project Outline                      | ± 213.73 Acres |
| Wetlands                             | ± 21.58 Acres  |
| Other Waters, total                  | ± 19.06 Acres  |
| Other Waters, impacted               | ± 18.29 Acres  |
| JD-MVN-2015-00912-1-ST dated 7/26/16 |                |

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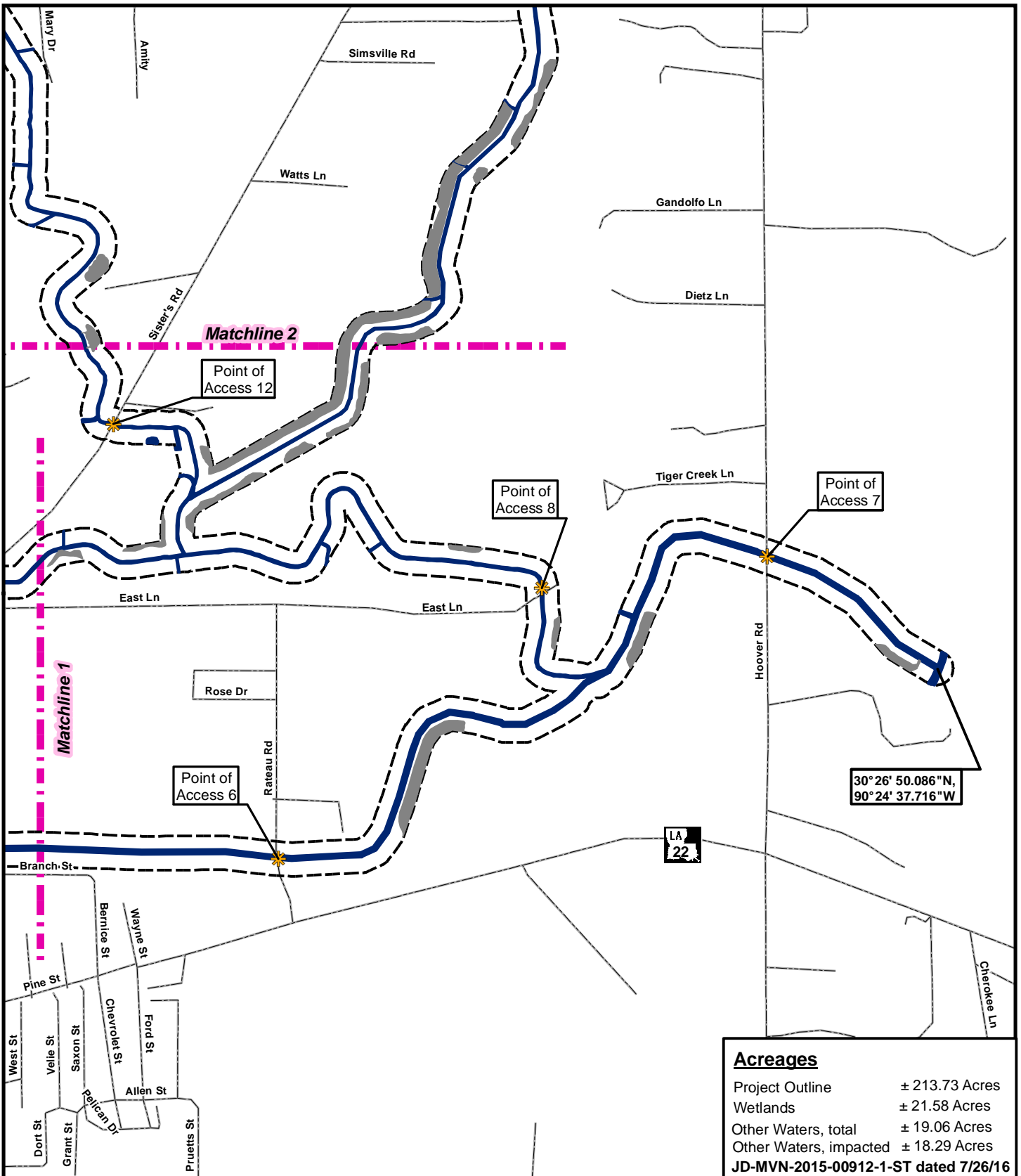
0 600 1,200 Feet

**JD Overlay 1**  
**W3\_L1**  
**L1A-L1B-L1C**

**Legend:**

- Project Outline
- Point of Access
- Wetlands
- Other Waters
- Matchline
- Roadway

Map prepared from public and proprietary spatial data. ELOS Environmental, LLC does not warrant its accuracy or completeness. This map should not be used to establish legal boundaries or specific locations.



**Acres**

|                        |                |
|------------------------|----------------|
| Project Outline        | ± 213.73 Acres |
| Wetlands               | ± 21.58 Acres  |
| Other Waters, total    | ± 19.06 Acres  |
| Other Waters, impacted | ± 18.29 Acres  |

JD-MVN-2015-00912-1-ST dated 7/26/16

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environmental  
<http://elosenv.com/>  
43177 East Pleasant Ridge Road  
Hammond, Louisiana 70403  
P. 985-662-5501, F. 985-662-5504

0 600 1,200 Feet

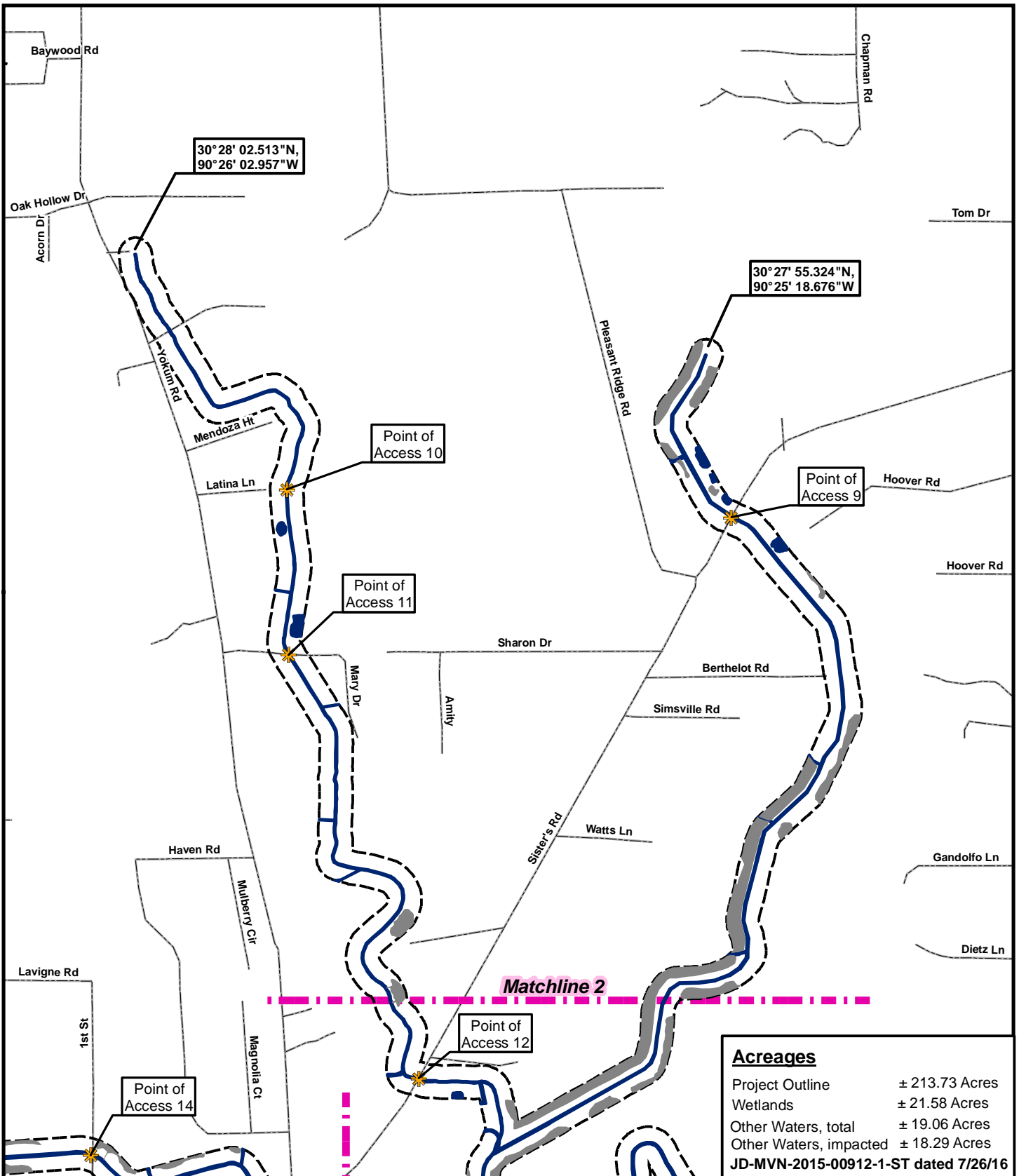
JD Overlay 2

**W3\_L1**  
**L1A-L1B-L1C**

**Legend:**

|                 |           |
|-----------------|-----------|
| Project Outline | Matchline |
| Point of Access | Roadway   |
| Wetlands        |           |
| Other Waters    |           |

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0 600 1,200 Feet

JD Overlay 3

**W3\_L1**  
**L1A-L1B-L1C**

**Legend:**

- Project Outline
- Point of Access
- Wetlands
- Other Waters
- Matchline
- Roadway

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