

Information for File #2012-00408-SEK

Applicant: Wisconsin Dept. of Transportation

Corps Contact: Simone Kolb

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Phone: 262-717-9539

Primary County: Dane

Project location: The proposed project is located along STH 73 at the offset USH 12/18 intersections in the towns of Christiana and Deerfield. The project begins at Fadness Road and continues north to London Road. Work is proposed in Sections 3 and 4, T. 6N. R. 12E., and in Section 33, T. 7N. R. 12E.

Information Complete On: September 23, 2014

Posting Expires On: March 4, 2015

Authorization Type: LOP-06

This application is being reviewed in accordance with the practices for documenting Corps jurisdiction under Sections 9 & 10 of the Rivers and Harbor Act of 1899 and Section 404 of the Clean Water Act identified in Regulatory Guidance Letter 07-01. We have made a preliminary determination that the aquatic resources that would be impacted by the proposed project are regulated by the Corps of Engineers under Section 404 of the Clean Water Act. Our jurisdictional review and final jurisdictional determination could result in modifications to the scope of the project's regulated waterbody/wetland impacts and compensatory mitigation requirements identified above. An approved jurisdictional determination will be made prior to reaching a permit decision, and will be posted on the St. Paul District web page at <http://www.mvp.usace.army.mil/>.

Project description

The Wisconsin Department of Transportation (DOT) proposes to realign the south leg of STH 73 to the west to create a continuous route for STH 73 to the north. A bridge would be constructed on USH 12/18 over the new alignment of STH 73. A "jug-handle" interchange would be constructed including ramps to connect all turning movements between USH 12/18 and STH 73. Paved, 5-foot shoulders would be added to STH 73 to accommodate bicycle traffic. A total of 1.34 miles of STH 73 would be realigned and reconstructed and approximately 1.39 miles of USH 12/18 would be reconstructed. The applicant states the purpose of the project is to improve safety and meet the operational needs of STH 73, which include designation as an alternative route during currently proposed reconstruction and expansion of I-39/90 from Madison south to the Illinois state line. The project is also designed to accommodate the future expansion of USH 12/18.

Alternatives considered

The applicant dismissed alternatives that did not allow for a continuous route for STH 73, as they believed they did not adequately address the safety deficiencies on the existing route. In addition to the preferred alternative (described above), and the no-build alternative, the applicant considered a second interchange alternative that involves more work to the southeast

and north, and avoids work in the southwest quadrant associated with the preferred alternative. This alternative was dismissed because it required approximately 1 acre more wetland fill, required a residential relocation, and creates undesirable interchange geometry, making it less effective in addressing safety deficiencies.

Name, area, and types of waters subject to loss

The proposed project would permanently fill 4.06 acres of wetlands, including approximately 2.02 acres of wet meadow (1 acre of which is degraded), 0.751 acre of wooded swamp, 0.573 acre of shrub-carr wetland, and 0.094 acre of shallow marsh. Approximately 2.423 acres of impact are located within a National Resource Conservation Service (NRCS) Wetland Reserve Program (WRP) easement. The majority of the wetland impacts occur in a large wetland complex associated with Mud Creek. Common dominants in these wetlands include box elder, silver maple, reed canary grass, common buckthorn, cattail, spotted touch me not, buttercup species, and sandbar willow. Despite the presence of invasive species, much of the wet meadow west of Mud Creek supports a relatively diverse herbaceous community.

Compensatory mitigation

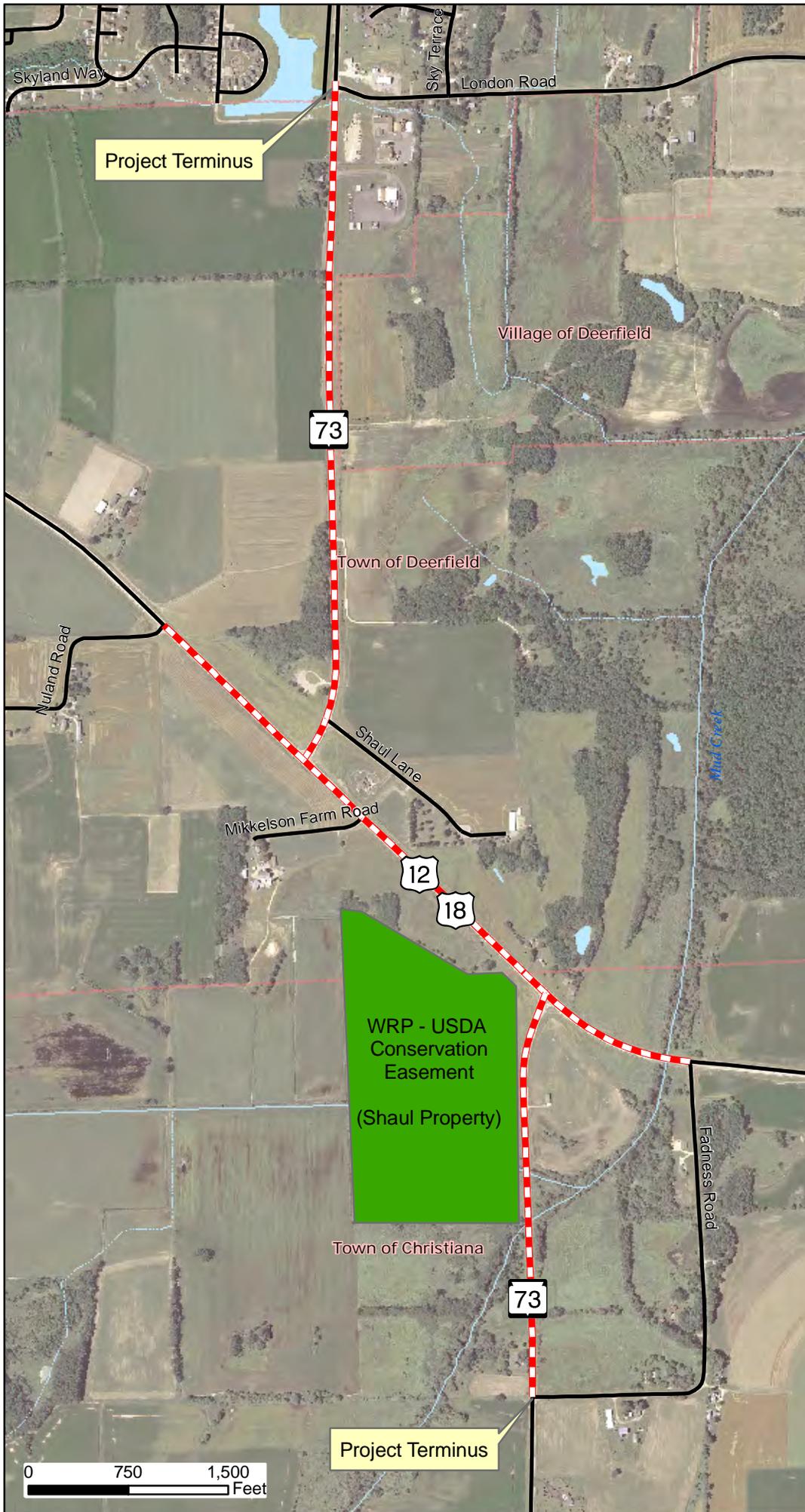
NRCS is requiring on-site mitigation for impacts to the WRP easement on a nearby parcel. The mitigation is also required because the preferred alternative takes several acres out of the easement, although these wetlands would not otherwise be impacted and are therefore would not require compensation according to typical Corps guidelines. However, because the mitigation required by NRCS has not met standard Corps guidelines for compensatory mitigation, the Corps would require that all permanent and temporary direct impacts be mitigated at an appropriate DOT wetland mitigation bank. Potential mitigation banks include the London wetland mitigation bank in Jefferson County, and the Patrick Marsh – Vale Credit wetland mitigation bank located in Dane County. In-kind mitigation is typically required by the Corps, when in-kind credits are available. If authorized, the Corps would work with the DOT to ensure adequate compensatory mitigation bank debits are made in accordance with the appropriate wetland mitigation guidelines.

Drawings See attached.

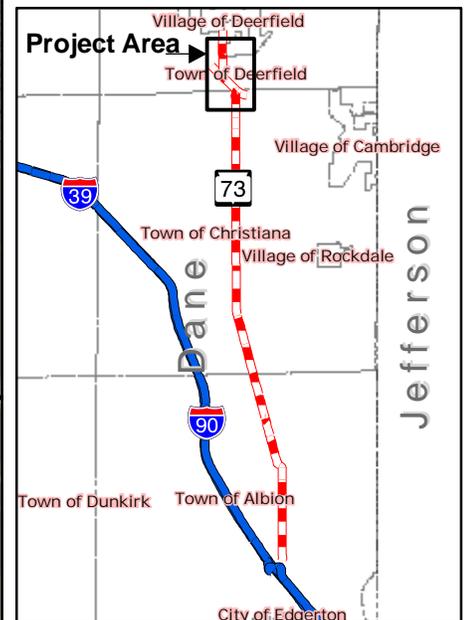
WIS 73/ US 12/18
Intersection
Reconstruction Project

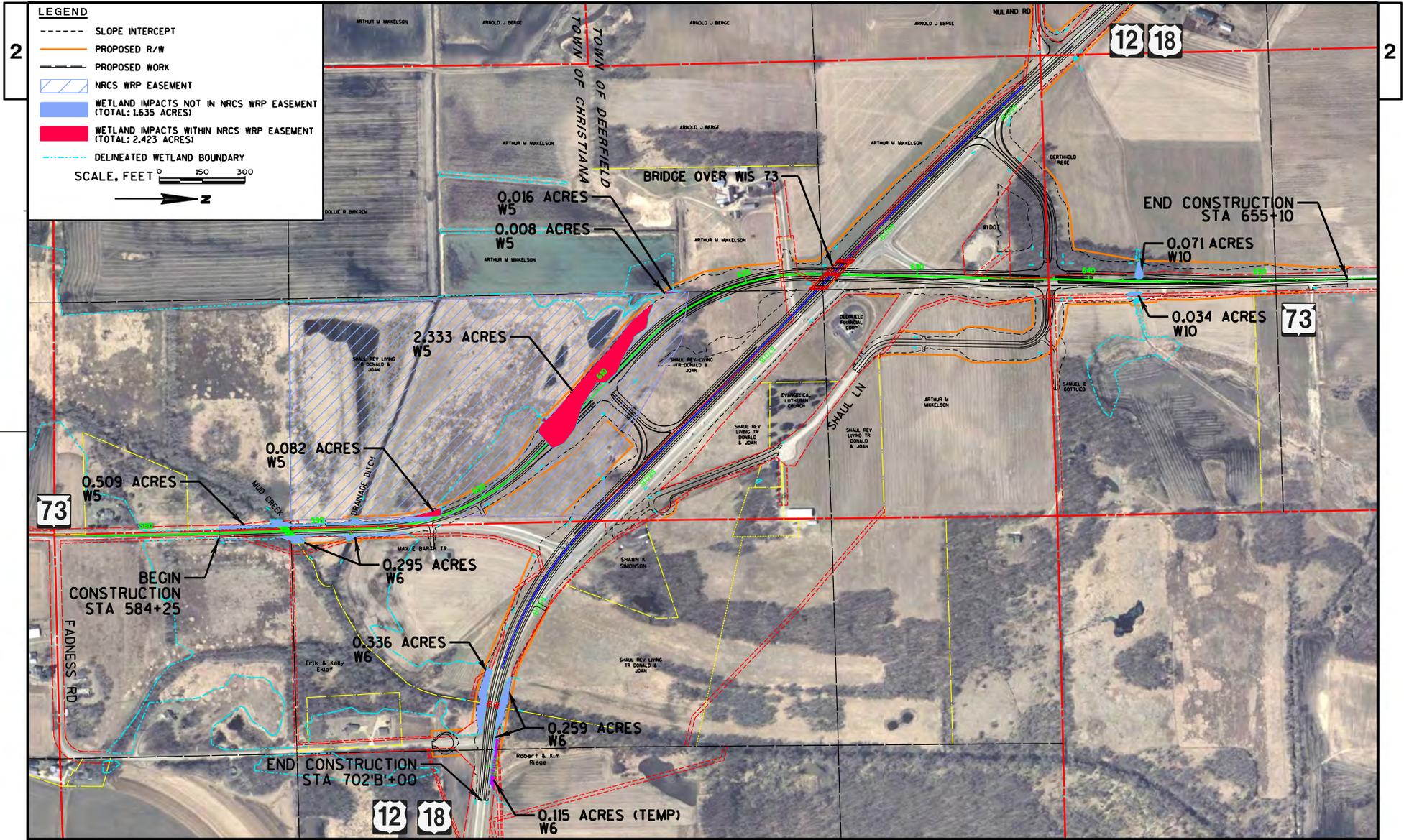
WIS 73 (I-39/90 - I-94)
Fadness Road to
London Road
Dane County

WisDOT ID:
3070-00-03



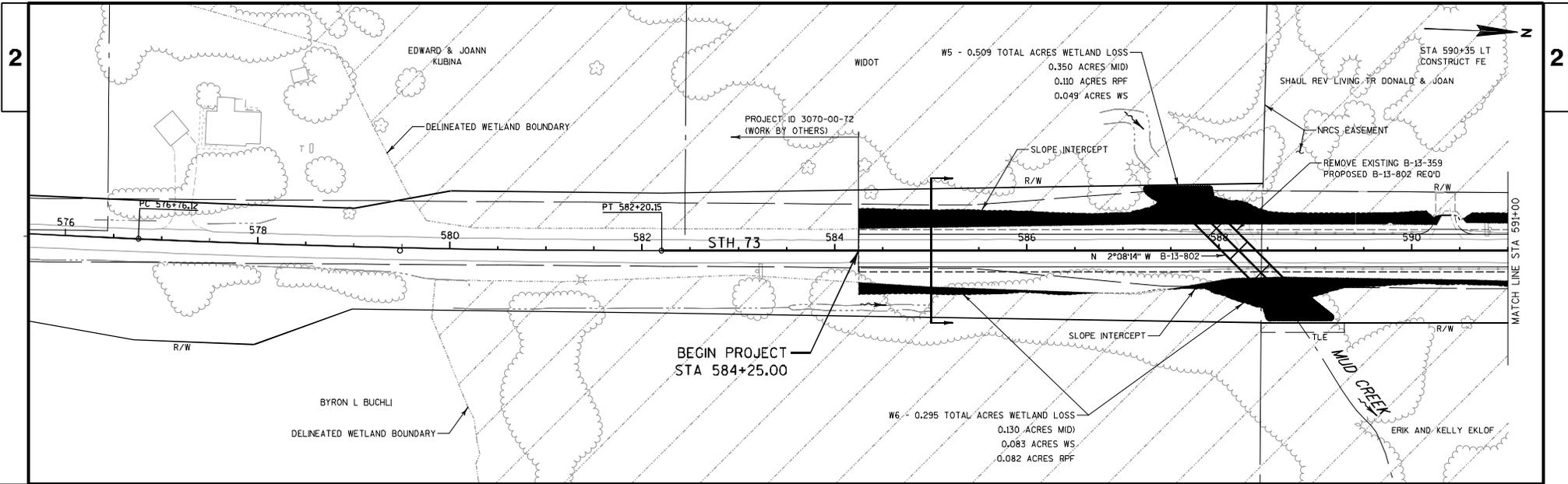
- WIS 73 Project Area
- Roads
- Municipal Boundary
- Water
- Intermittent Stream
- Perennial Stream



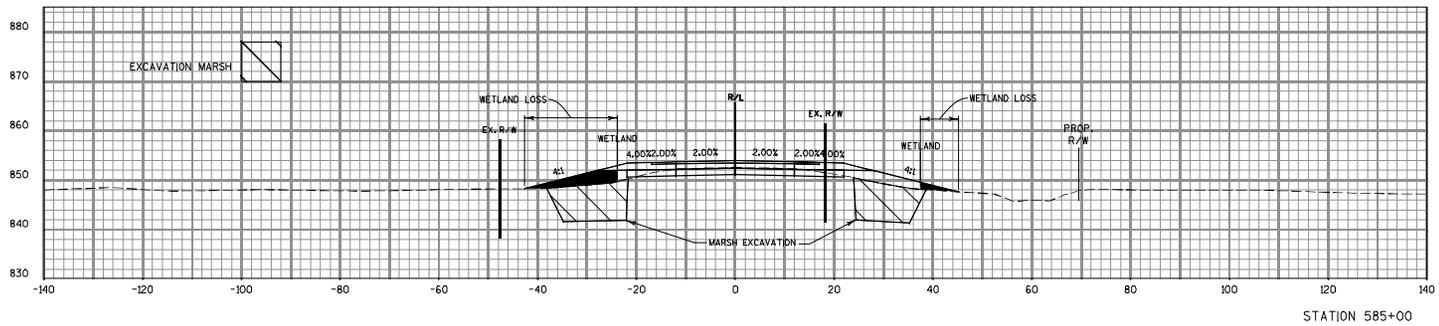


PROJECT NO:3070-00-03 HWY: WIS 73-US 12/18 COUNTY: DANE WETLAND IMPACTS OVERVIEW - 404 PERMIT SHEET E

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-  = DELINEATED WETLAND BOUNDARY
-  = WETLAND LOSS AREA
-  = WETLAND LOSS AREA NRCS EASEMENT
-  = WETLAND TEMPORARY IMPACT AREA
- M = WET MEADOW WETLAND
- M (D) = DEGRADED WET MEADOW WETLAND
- RPF = RIPARIAN WETLAND (EMERGENT)
- RPE = RIPARIAN WETLAND (WOODED)
- SM = SHALLOW MARSH WETLAND
- SS = SHRUB SWAMP WETLAND
- WS = WOODED SWAMP WETLAND



PROJECT NO: 3070-00-73

HWY: STH 73

COUNTY: DANE

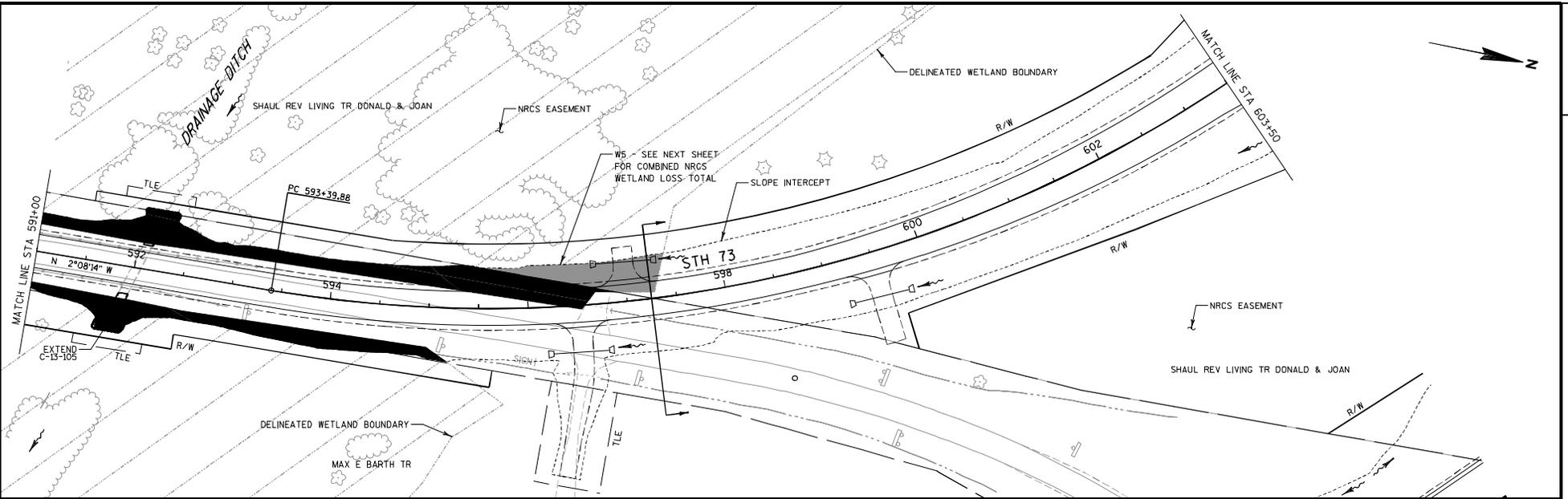
WETLAND IMPACTS - STH 73

SHEET

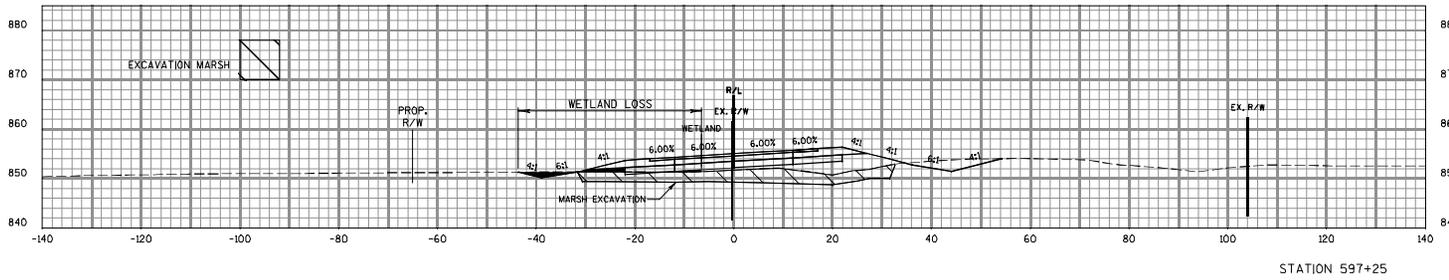
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PROJECT NO: 3070-00-73

HWY: STH 73

COUNTY: DANE

WETLAND IMPACTS - STH 73

SHEET

E

FILE NAME : P:\47xx\4739_73_DP_STH73.DAN\05 ENVIRONMENTAL\404 PermiL\FWetland Sta 59725.dgn

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PLOT BY : smk

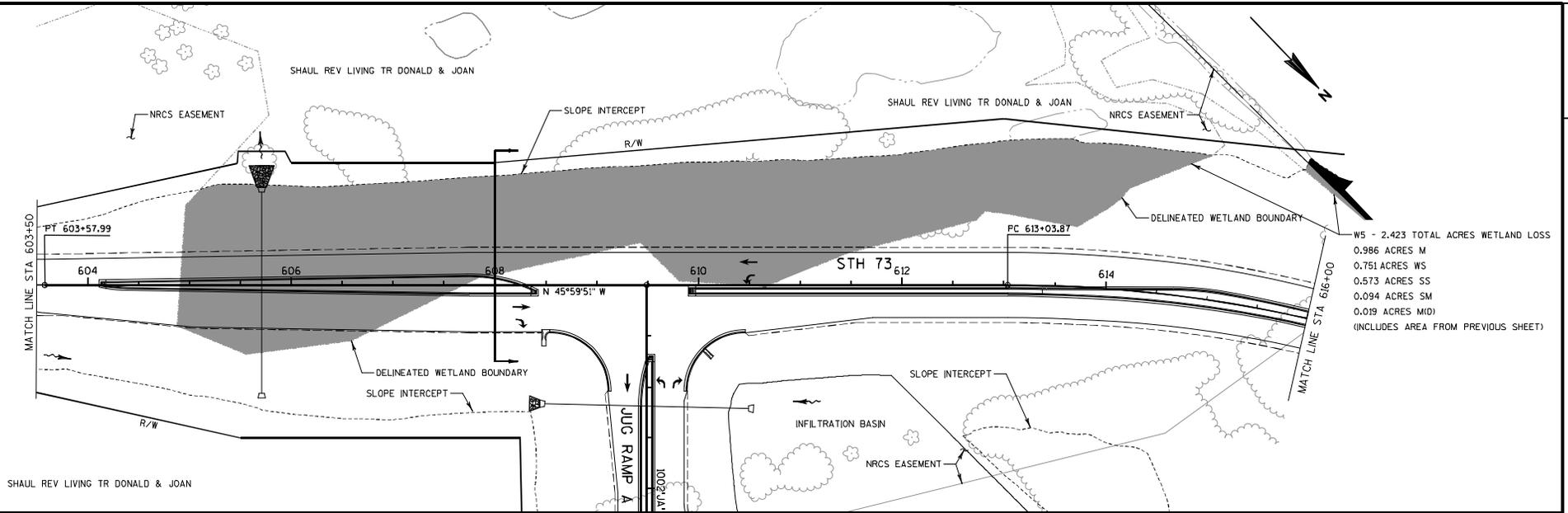
PLOT NAME :

PLOT SCALE : 1:100

WISDOT/CADD SHEET 42

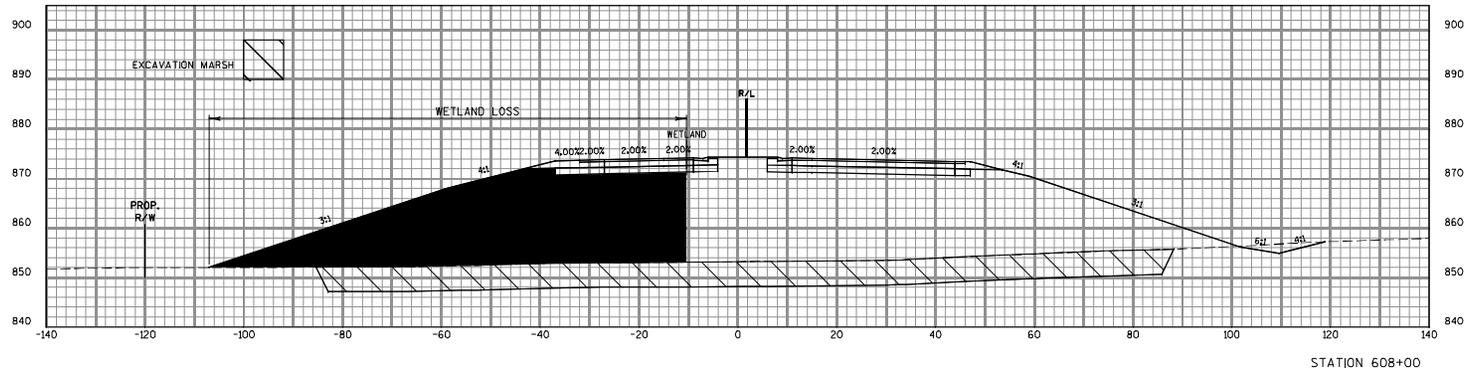
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W5 - 2.423 TOTAL ACRES WETLAND LOSS
 0.986 ACRES M
 0.751 ACRES WS
 0.573 ACRES SS
 0.094 ACRES SM
 0.019 ACRES M(D)
 (INCLUDES AREA FROM PREVIOUS SHEET)

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HWY: STH 73

COUNTY: DANE

WETLAND IMPACTS - STH 73

SHEET

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FILE NAME : P:\47xx\4739_73_DP-STH73.DAN\05 ENVIRONMENTAL\404 PermiL\Wetland Sta 60800.dgn

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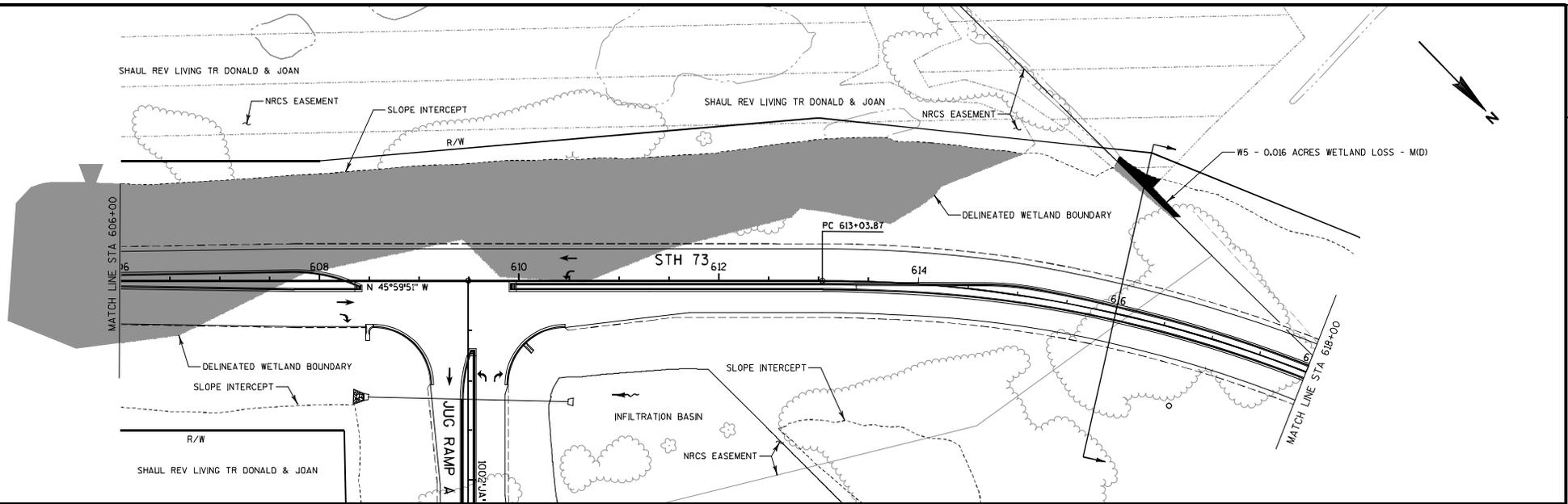
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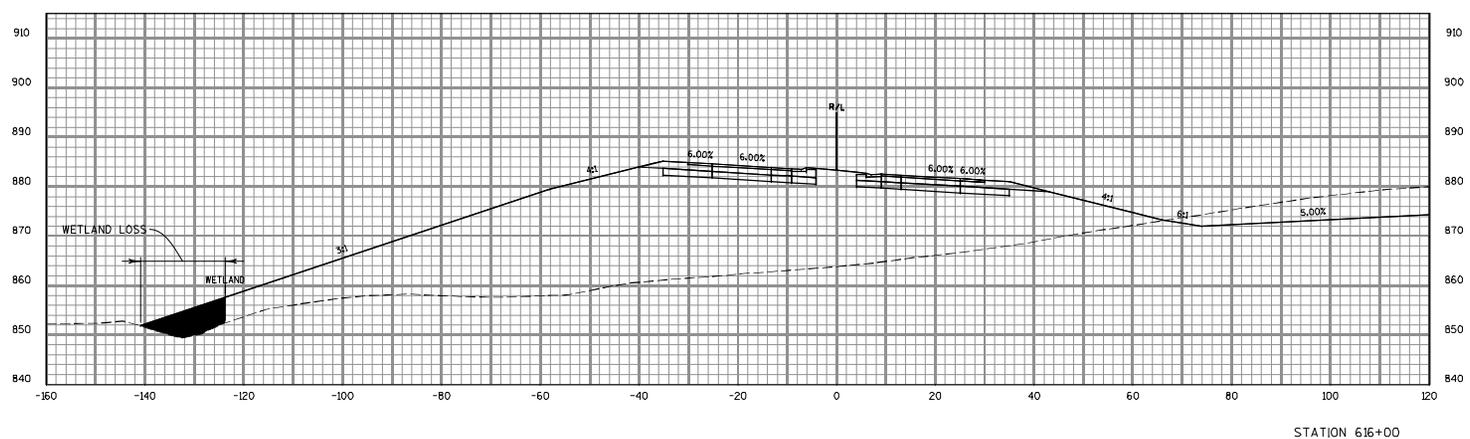
WISDOT/CADD SHEET 42

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HWY: STH 73

COUNTY: DANE

WETLAND IMPACTS - STH 73

SHEET

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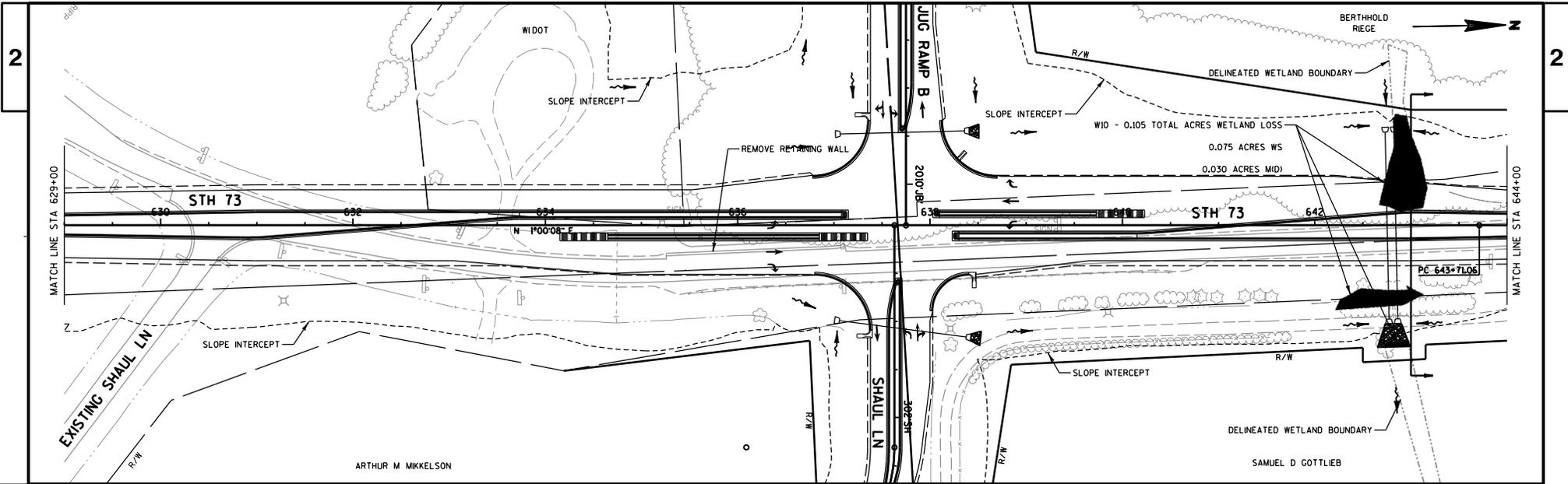
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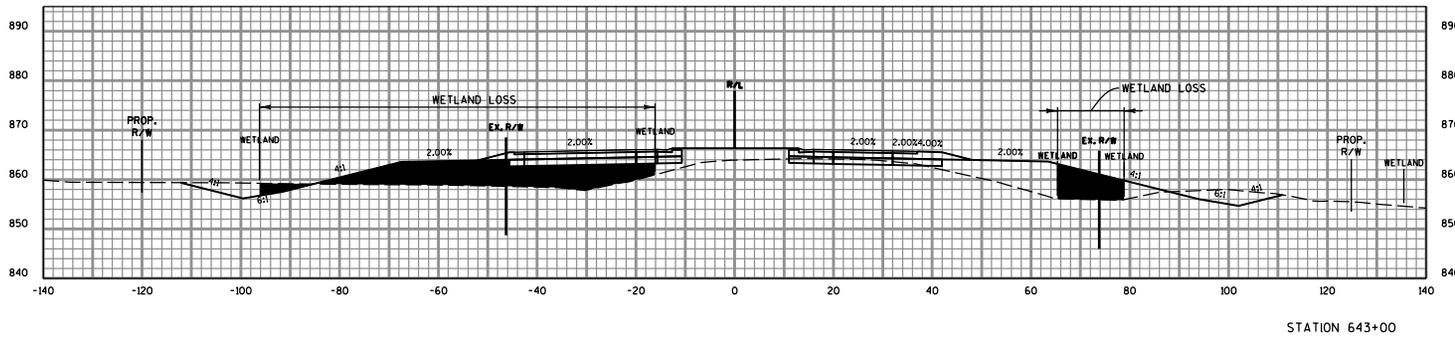
PLOT NAME :

PLOT SCALE : 1:100

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HWY: STH 73

COUNTY: DANE

WETLAND IMPACTS - STH 73

SHEET

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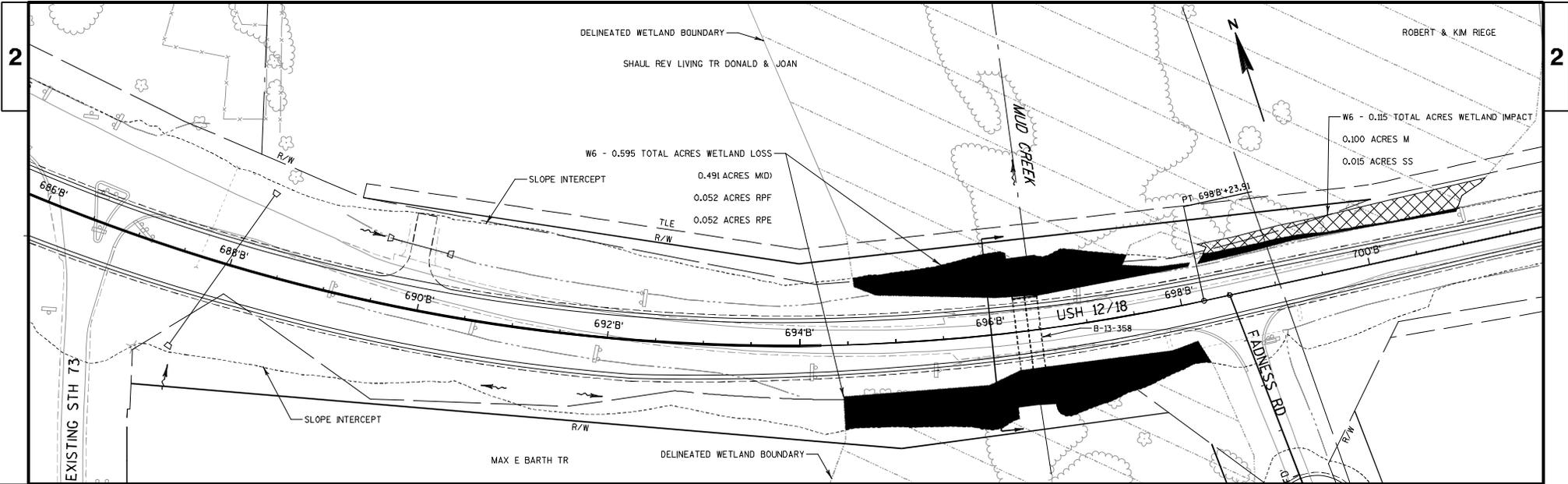
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PLOT BY : ocd

PLOT NAME :

PLOT SCALE : 1:1154.545

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