



®

Regulatory Program



®

APPROVED JURISDICTIONAL DETERMINATION FORM

U.S. Army Corps of Engineers

This form should be completed by following the instructions provided in the Approved Jurisdictional Determination Form User Manual.

SECTION I: BACKGROUND INFORMATION

A. COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): **9 November 2018**

B. ORM NUMBER IN APPROPRIATE FORMAT (e.g., HQ-2015-00001-SMJ): **MVP-2016-04331-CLJ**

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State: Minnesota County/parish/borough: **Pennington** City:

Center coordinates of site (lat/long in degree decimal format): Lat. **48.01718**, Long. **-96.41503**.

Map(s)/diagram(s) of review area (including map identifying single point of entry (SPOE) watershed and/or potential jurisdictional areas where applicable) is/are: ☒ attached ☐ in report/map titled

☐ Other sites (e.g., offsite mitigation sites, disposal sites, etc.) are associated with this action and are recorded on a different JD form. List JD form ID numbers (e.g., HQ-2015-00001-SMJ-1):

D. REVIEW PERFORMED FOR SITE EVALUATION:

☐ Office (Desk) Determination Only. Date:

☒ Office (Desk) and Field Determination. Office/Desk Date(s): **10/23/2018** Field Date(s): **6/20/2018**.

SECTION II: DATA SOURCES

Check all that were used to aid in the determination and attach data/maps to this JD form and/or references/citations in the administrative record, as appropriate.

☒ Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant. Title/Date: **Diversion**

Constuction Impacts report 27 August 2018.

☒ Data sheets prepared/submitted by or on behalf of the applicant/consultant.

☒ Office concurs with data sheets/delineation report.. Title/Date: **Black River Impoundment Project,**

Pennington County, MN Delineation Report.

☐ Office does not concur with data sheets/delineation report. Summarize rationale and include information on revised data sheets/delineation report that this JD form has relied upon: . Revised Title/Date:

☐ Data sheets prepared by the Corps. Title/Date:

☐ Corps navigable waters study. Title/Date:

☐ CorpsMap ORM map layers. Title/Date:

☐ USGS Hydrologic Atlas. Title/Date:

☒ USGS, NHD, or WBD data/maps. Title/Date:

☐ USGS 8, 10 and/or 12 digit HUC maps. HUC number:

☐ USGS maps. Scale & quad name and date:

☐ USDA NRCS Soil Survey. Citation:

☐ USFWS National Wetlands Inventory maps. Citation:

☐ State/Local wetland inventory maps. Citation:

☐ FEMA/FIRM maps. Citation:

☒ Photographs: ☒ Aerial. Citation: **FSA 2017.** or ☐ Other. Citation:

☐ LiDAR data/maps. Citation:

☐ Previous determinations. File no. and date of jurisdictional determination letter:

☐ Applicable/supporting case law:

☐ Applicable/supporting scientific literature:

☐ Other information (please specify):

SECTION III: SUMMARY OF FINDINGS

A. RIVERS AND HARBORS ACT (RHA) SECTION 10 DETERMINATION OF JURISDICTION:

☐ “navigable waters of the U.S.” within RHA jurisdiction (as defined by 33 CFR part 329) in the review area.

- **List water(s) and area/length within review area – Required:**

NOTE: If the navigable water is not subject to the ebb and flow of the tide or included on the District’s list of Section 10 navigable waters list, DO NOT USE THIS FORM TO MAKE THE DETERMINATION. The District must continue to follow the procedure outlined in 33 CFR part 329.14 to make a Section 10 RHA navigability determination.

B. CLEAN WATER ACT (CWA) SECTION 404 DETERMINATION OF JURISDICTION: “waters of the U.S.” within CWA jurisdiction (as defined by 33 CFR part 328.3) in the review area. Check all that apply.

☐ (a)(1): All waters which are currently used, were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide. (Traditional Navigable Waters or TNW).

- **Complete Spreadsheet Tab “(a)(1)” - Required**

☐ This JD includes a case-specific (a)(1) TNW (Section 404 navigable-in-fact) determination on a water that has not previously been designated as such. Documentation required for this case-specific (a)(1) TNW determination is attached.

☐ (a)(2): All interstate waters, including interstate wetlands.

- **Complete Spreadsheet Tab “(a)(2)” - Required**

☐ (a)(3): The territorial seas.

- **Complete Spreadsheet Tab “(a)(3)” - Required**

☐ (a)(4): All impoundments of waters otherwise identified as waters of the U.S. under 33 CFR part 328.3.

- **Complete Spreadsheet Tab “(a)(4)” - Required**

☐ (a)(5): All tributaries, as defined in 33 CFR part 328.3, of waters identified in paragraphs (a)(1)-(a)(3) of 33 CFR part 328.3.

- **Complete Spreadsheet Tab “(a)(5)” - Required**

☐ (a)(6): All waters adjacent to a water identified in paragraphs (a)(1)-(a)(5) of 33 CFR part 328.3, including wetlands, ponds, lakes, oxbows, impoundments, and similar waters.

- **Complete Spreadsheet Tab “(a)(6)” - Required**

☐ Bordering/Contiguous.
Neighboring:

☐ (c)(2)(i): All waters located within 100 feet of the ordinary high water mark (OHWM) of a water identified in paragraphs (a)(1)-(a)(5) of 33 CFR part 328.3.

☐ (c)(2)(ii): All waters located within the 100-year floodplain of a water identified in paragraphs (a)(1)-(a)(5) of 33 CFR part 328.3 and not more than 1,500 feet of the OHWM of such water.

☐ (c)(2)(iii): All waters located within 1,500 feet of the high tide line of a water identified in paragraphs (a)(1) or (a)(3) of 33 CFR part 328.3, and all waters within 1,500 feet of the OHWM of the Great Lakes.

☐ (a)(7): All waters identified in 33 CFR 328.3(a)(7)(i)-(v) where they are determined, on a case-specific basis, to have a significant nexus to a water identified in paragraphs (a)(1)-(a)(3) of 33 CFR part 328.3.

- **Complete Spreadsheet Tab “(a)(7)” for the significant nexus determination. Attach a map delineating the SPOE watershed boundary with (a)(7) waters identified in the similarly situated analysis. – Required**

☐ Includes water(s) that are geographically and physically adjacent per (a)(6), but are being used for established, normal farming, silviculture, and ranching activities (33 USC Section 1344(f)(1)) and therefore are not adjacent and require a case-specific significant nexus analysis.

☐ (a)(8): All waters located within the 100-year floodplain of a water identified in paragraphs (a)(1)-(a)(3) of 33 CFR part 328.3 not covered by (c)(2)(ii) above and all waters located within 4,000 feet of the high tide line or OHWM of a water identified in paragraphs (a)(1)-(a)(5) of 33 CFR part 328.3 where they are determined on a case-specific basis to have a significant nexus to a water identified in paragraphs (a)(1)-(a)(3) of 33 CFR part 328.3.

- **Complete Spreadsheet Tab “(a)(8)” for the significant nexus determination. Attach a map delineating the SPOE watershed boundary with (a)(8) waters identified in the similarly situated analysis. – Required**

☐ Includes water(s) that are geographically and physically adjacent per (a)(6), but are being used for established, normal farming, silviculture, and ranching activities (33 USC Section 1344(f)(1)) and therefore are not adjacent and require a case-specific significant nexus analysis.

C. NON-WATERS OF THE U.S. FINDINGS:

Check all that apply.

- ☐ The review area is comprised entirely of dry land.
- ☐ Potential-(a)(7) Waters: Waters that DO NOT have a significant nexus to a water identified in paragraphs (a)(1)-(a)(3) of 33 CFR part 328.3.
- **Complete Spreadsheet Tab “NonWaters-No SigNex”. Attach a map delineating the SPOE watershed boundary with potential (a)(7) waters identified in the similarly situated analysis. – Required**
- ☐ Includes water(s) that are geographically and physically adjacent per (a)(6), but are being used for established, normal farming, silviculture, and ranching activities (33 USC Section 1344(f)(1)) and therefore are not adjacent and require a case-specific significant nexus analysis.
- ☐ Potential-(a)(8) Waters: Waters that DO NOT have a significant nexus to a water identified in paragraphs (a)(1)-(a)(3) of 33 CFR part 328.3.
- **Complete Spreadsheet Tab “NonWaters-No SigNex”. Attach a map delineating the SPOE watershed boundary with potential (a)(8) waters identified in the similarly situated analysis. – Required**
- ☐ Includes water(s) that are geographically and physically adjacent per (a)(6), but are being used for established, normal farming, silviculture, and ranching activities (33 USC Section 1344(f)(1)) and therefore are not adjacent and require a case-specific significant nexus analysis.
- ☐ Excluded Waters (Non-Waters of U.S.), even where they otherwise meet the terms of paragraphs (a)(4)-(a)(8):
- **Complete Spreadsheet Tab “NonWaters-Excluded” - Required**
- ☐ (b)(1): Waste treatment systems, including treatment ponds or lagoons designed to meet the requirements of the CWA.
- ☐ (b)(2): Prior converted cropland.
- ☐ (b)(3)(i): Ditches with ephemeral flow that are not a relocated tributary or excavated in a tributary.
- ☒ (b)(3)(ii): Ditches with intermittent flow that are not a relocated tributary, excavated in a tributary, or drain wetlands.
- ☐ (b)(3)(iii): Ditches that do not flow, either directly or through another water, into a water identified in paragraphs (a)(1)-(a)(3).
- ☐ (b)(4)(i): Artificially irrigated areas that would revert to dry land should application of water to that area cease.
- ☐ (b)(4)(ii): Artificial, constructed lakes and ponds created in dry land such as farm and stock watering ponds, irrigation ponds, settling basins, fields flooded for rice growing, log cleaning ponds, or cooling ponds.
- ☐ (b)(4)(iii): Artificial reflecting pools or swimming pools created in dry land.¹
- ☐ (b)(4)(iv): Small ornamental waters created in dry land.¹
- ☐ (b)(4)(v): Water-filled depressions created in dry land incidental to mining or construction activity, including pits excavated for obtaining fill, sand, or gravel that fill with water.
- ☐ (b)(4)(vi): Erosional features, including gullies, rills, and other ephemeral features that do not meet the definition of tributary, non-wetland swales, and lawfully constructed grassed waterways.¹
- ☐ (b)(4)(vii): Puddles.¹
- ☐ (b)(5): Groundwater, including groundwater drained through subsurface drainage systems.¹
- ☐ (b)(6): Stormwater control features constructed to convey, treat, or store stormwater that are created in dry land.¹
- ☐ (b)(7): Wastewater recycling structures created in dry land; detention and retention basins built for wastewater recycling; groundwater recharge basins; percolation ponds built for wastewater recycling; and water distributary structures built for wastewater recycling.
- ☒ Other non-jurisdictional waters/features within review area that do not meet the definitions in 33 CFR 328.3 of (a)(1)-(a)(8) waters and are not excluded waters identified in (b)(1)-(b)(7).
- **Complete Spreadsheet Tab “NonWaters-Other” - Required**

D. ADDITIONAL COMMENTS TO SUPPORT JD: Ditches included in this AJD exhibit intermittent flow, are not a relocated tributary, excavated in a tributary or draining wetlands, and do not contain a bed, bank, or OHWM. The wetland basins included in this AJD are further than 4,000 feet from a water identified in paragraphs (a)(1)-(a)(5) and are not located within the 100-yr flood plain of a water identified in paragraphs (a)(1)-(a)(3). Ditches do flow through the wetlands identified in this AJD but those wetlands are not waters of the US due to exceeding the distance threshold.

¹ In many cases these excluded features will not be specifically identified on the approved JD form, unless specifically requested. Corps Districts may, in case-by-case instances, choose to identify some or all of these features within the review area.

Waters Name	Cowardin Code	Meas Type	Amount	Units	Waters Type	Latitude	Longitude
Wetland 1	PEM-PALUSTRINE, EMERGENT	LINEAR	300	FEET	EXCLDB3II	48.07654	-96.37056
Wetland 2	PEM-PALUSTRINE, EMERGENT	LINEAR	1848	FEET	EXCLDB3II	48.07266	-96.37112
Wetland 3	PEM-PALUSTRINE, EMERGENT	LINEAR	2323	FEET	EXCLDB3II	48.06725	-96.37052
Wetland 4	PEM-PALUSTRINE, EMERGENT	LINEAR	2640	FEET	EXCLDB3II	48.06025	-96.37107
Wetland 5a	PEM-PALUSTRINE, EMERGENT	LINEAR	422	FEET	EXCLDB3II	48.05593	-96.37105
Wetland 5b	PEM-PALUSTRINE, EMERGENT	AREA	1.25	ACRES	OTHERDIST	48.05489	-96.37022
Wetland 5c	PEM-PALUSTRINE, EMERGENT	LINEAR	158	FEET	EXCLDB3II	48.05478	-96.37107
Wetland 6a	PEM-PALUSTRINE, EMERGENT	LINEAR	106	FEET	EXCLDB3II	48.05427	-96.37103
Wetland 6b	PEM-PALUSTRINE, EMERGENT	AREA	2.12	ACRES	OTHERDIST	48.05337	-96.3703
Wetland 6c	PEM-PALUSTRINE, EMERGENT	LINEAR	211	FEET	EXCLDB3II	48.05316	-96.37104
Wetland 6d	PEM-PALUSTRINE, EMERGENT	LINEAR	1003	FEET	EXCLDB3II	48.05137	-96.37103
Wetland 7	PEM-PALUSTRINE, EMERGENT	LINEAR	370	FEET	EXCLDB3II	48.0494	-96.37104
Wetland 8a	PEM-PALUSTRINE, EMERGENT	LINEAR	845	FEET	EXCLDB3II	48.04764	-96.37103
Wetland 8b	PEM-PALUSTRINE, EMERGENT	AREA	0.96	ACRES	OTHERDIST	48.04586	-96.3708
Wetland 8c	PEM-PALUSTRINE, EMERGENT	LINEAR	422	FEET	EXCLDB3II	48.04475	-96.37102
Wetland 9	PEM-PALUSTRINE, EMERGENT	LINEAR	792	FEET	EXCLDB3II	48.04345	-96.37037
Wetland 10a	PEM-PALUSTRINE, EMERGENT	LINEAR	5860	FEET	EXCLDB3II	48.03996	-96.37024
Wetland 10b	PEM-PALUSTRINE, EMERGENT	AREA	0.14	ACRES	OTHERDIST	48.03701	-96.37046
Wetland 10c	PEM-PALUSTRINE, EMERGENT	LINEAR	316	FEET	EXCLDB3II	48.03656	-96.37085
Wetland 11	PEM-PALUSTRINE, EMERGENT	LINEAR	897	FEET	EXCLDB3II	48.03428	-96.37061
Wetland 12	PEM-PALUSTRINE, EMERGENT	AREA	0.3	FEET	DELINPJD	48.03192	-96.37059
Wetland 13	PEM-PALUSTRINE, EMERGENT	LINEAR	105	FEET	EXCLDB3II	48.03099	-96.371
Wetland 14	PEM-PALUSTRINE, EMERGENT	LINEAR	52	FEET	EXCLDB3II	48.0305	-96.37097
Wetland 15	PEM-PALUSTRINE, EMERGENT	LINEAR	369	FEET	EXCLDB3II	48.0288	-96.37101
Wetland 16	PEM-PALUSTRINE, EMERGENT	LINEAR	1214	FEET	EXCLDB3II	48.02108	-96.37394
Wetland 17	PEM-PALUSTRINE, EMERGENT	LINEAR	3854	FEET	EXCLDB3II	48.02111	-96.38462
Wetland 18	PEM-PALUSTRINE, EMERGENT	LINEAR	1953	FEET	EXCLDB3II	48.02117	-96.39691
Wetland 19	PEM-PALUSTRINE, EMERGENT	LINEAR	2217	FEET	EXCLDB3II	48.05314	-96.3928
Wetland 20	PEM-PALUSTRINE, EMERGENT	AREA	0.21	ACRES	OTHERDIST	48.04806	-96.39269
Wetland 21	PEM-PALUSTRINE, EMERGENT	LINEAR	264	FEET	EXCLDB3II	48.036	-96.39258
Wetland 22	PEM-PALUSTRINE, EMERGENT	LINEAR	475	FEET	EXCLDB3II	48.03417	-96.39268
Wetland 23	PEM-PALUSTRINE, EMERGENT	AREA	0.05	ACRES	DELINPJD	48.02773	-96.39301
Wetland 24	PEM-PALUSTRINE, EMERGENT	LINEAR	105	FEET	EXCLDB3II	48.02525	-96.39271
Wetland 25	PEM-PALUSTRINE, EMERGENT	LINEAR	316	FEET	EXCLDB3II	48.02245	-96.39282
Wetland 26a	PEM-PALUSTRINE, EMERGENT	AREA	0.28	ACRES	DELINPJD	48.00668	-96.31761
Wetland 26b	PEM-PALUSTRINE, EMERGENT	LINEAR	580	FEET	EXCLDB3II	48.00661	-96.31936
Wetland 26c	PEM-PALUSTRINE, EMERGENT	AREA	0.4	ACRES	OTHERDIST	48.00671	-96.32138
Wetland 26d	PEM-PALUSTRINE, EMERGENT	LINEAR	2323	FEET	EXCLDB3II	48.00669	-96.32677
Wetland 27a	PEM-PALUSTRINE, EMERGENT	LINEAR	100	FEET	EXCLDB3II	48.0067	-96.33197
Wetland 27b	PEM-PALUSTRINE, EMERGENT	AREA	0.35	ACRES	OTHERDIST	48.00676	-96.33321
Wetland 27c	PEM-PALUSTRINE, EMERGENT	LINEAR	636	FEET	EXCLDB3II	48.00672	-96.33526
Wetland 27d	PEM-PALUSTRINE, EMERGENT	AREA	0.4	ACRES	OTHERDIST	48.00677	-96.33739
Wetland 27e	PEM-PALUSTRINE, EMERGENT	LINEAR	686	FEET	EXCLDB3II	48.00696	-96.33932
Wetland 28	PEM-PALUSTRINE, EMERGENT	LINEAR	580	FEET	EXCLDB3II	48.00699	-96.34157
Wetland 29a	PEM-PALUSTRINE, EMERGENT	LINEAR	1953	FEET	EXCLDB3II	48.00684	-96.34673
Wetland 29b	PEM-PALUSTRINE, EMERGENT	AREA	2.6	ACRES	DELINPJD	48.00732	-96.35156
Wetland 30	PEM-PALUSTRINE, EMERGENT	LINEAR	1953	FEET	EXCLDB3II	48.00752	-96.35564
Wetland 31	PEM-PALUSTRINE, EMERGENT	LINEAR	369	FEET	EXCLDB3II	48.00687	-96.35967
Wetland 32	PEM-PALUSTRINE, EMERGENT	LINEAR	686	FEET	EXCLDB3II	48.00688	-96.36203
Wetland 33	PEM-PALUSTRINE, EMERGENT	LINEAR	2534	FEET	EXCLDB3II	48.00687	-96.36875
Wetland 34	PEM-PALUSTRINE, EMERGENT	LINEAR	264	FEET	EXCLDB3II	48.00689	-96.37453
Wetland 35a	PEM-PALUSTRINE, EMERGENT	LINEAR	1531	FEET	EXCLDB3II	48.0069	-96.37869
Wetland 35b	PEM-PALUSTRINE, EMERGENT	AREA	0.27	ACRES	DELINPJD	48.00702	-96.38187
Wetland 35c	PEM-PALUSTRINE, EMERGENT	LINEAR	633	FEET	EXCLDB3II	48.0069	-96.38369
Wetland 36a	PEM-PALUSTRINE, EMERGENT	LINEAR	1848	FEET	EXCLDB3II	48.0069	-96.38925
Wetland 36b	PEM-PALUSTRINE, EMERGENT	AREA	0.25	ACRES	DELINPJD	48.00714	-96.3925
Wetland 36c	PEM-PALUSTRINE, EMERGENT	LINEAR	369	FEET	EXCLDB3II	48.00685	-96.39336
Wetland 37	PEM-PALUSTRINE, EMERGENT	AREA	0.24	ACRES	DELINPJD	48.0084	-96.39325
Wetland 38	PEM-PALUSTRINE, EMERGENT	LINEAR	300	FEET	EXCLDB3II	48.0069	-96.43026
Wetland 39	PEM-PALUSTRINE, EMERGENT	LINEAR	316	FEET	EXCLDB3II	48.00687	-96.43241
Wetland 40	PEM-PALUSTRINE, EMERGENT	AREA	0.79	ACRES	DELINPJD	48.05427	-96.37103
Wetland Impoundment	PEM-PALUSTRINE, EMERGENT	AREA	5.6	ACRES	DELINPJD	48.01934	-96.40901

Excluded Waters or Features

[illegible]

Excluded Waters or Features

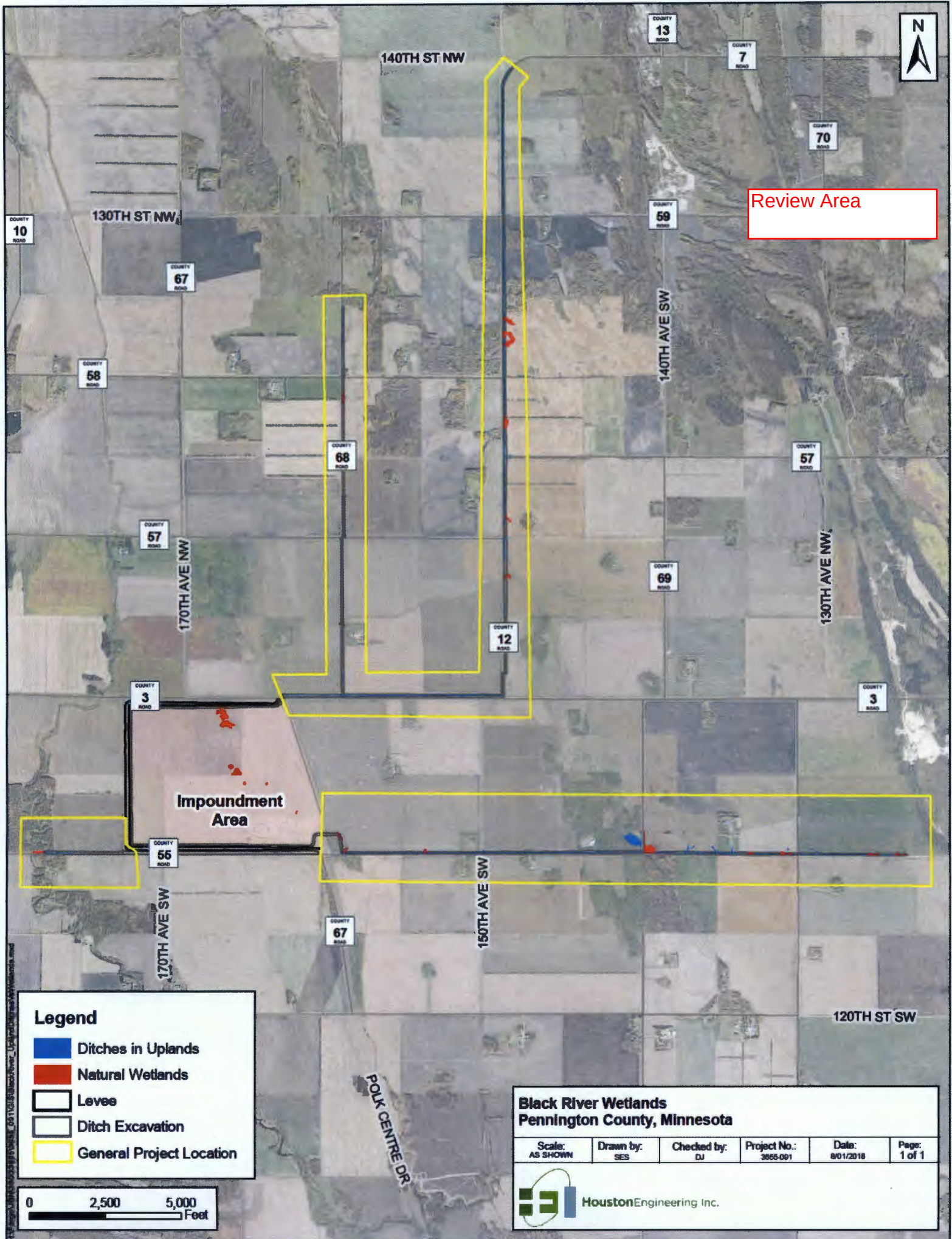
Wetland 27e	EXCLDB3II	Ditches with intermittent flow that are not a relocated tributary, excavated in a tributary, or drain wetlands.
Wetland 28	EXCLDB3II	Ditches with intermittent flow that are not a relocated tributary, excavated in a tributary, or drain wetlands.
Wetland 29a	EXCLDB3II	Ditches with intermittent flow that are not a relocated tributary, excavated in a tributary, or drain wetlands.
Wetland 30	EXCLDB3II	Ditches with intermittent flow that are not a relocated tributary, excavated in a tributary, or drain wetlands.
Wetland 31	EXCLDB3II	Ditches with intermittent flow that are not a relocated tributary, excavated in a tributary, or drain wetlands.
Wetland 32	EXCLDB3II	Ditches with intermittent flow that are not a relocated tributary, excavated in a tributary, or drain wetlands.
Wetland 33	EXCLDB3II	Ditches with intermittent flow that are not a relocated tributary, excavated in a tributary, or drain wetlands.
Wetland 34	EXCLDB3II	Ditches with intermittent flow that are not a relocated tributary, excavated in a tributary, or drain wetlands.
Wetland 35a	EXCLDB3II	Ditches with intermittent flow that are not a relocated tributary, excavated in a tributary, or drain wetlands.
Wetland 35c	EXCLDB3II	Ditches with intermittent flow that are not a relocated tributary, excavated in a tributary, or drain wetlands.
Wetland 36a	EXCLDB3II	Ditches with intermittent flow that are not a relocated tributary, excavated in a tributary, or drain wetlands.
Wetland 36c	EXCLDB3II	Ditches with intermittent flow that are not a relocated tributary, excavated in a tributary, or drain wetlands.
Wetland 38	EXCLDB3II	Ditches with intermittent flow that are not a relocated tributary, excavated in a tributary, or drain wetlands.
Wetland 39	EXCLDB3II	Ditches with intermittent flow that are not a relocated tributary, excavated in a tributary, or drain wetlands.

Other NonJurisdictional Waters/Features

OTHER NONJURISDICTIONAL WATERS/FEATURES		
Other NonWater of US Waters /Features	NonWaters/Other NJD Criteria	Rationale for NonWater of US/Feature and Additional Discussion
Wetland 5b	Outside distance threshold or 100 yr floodplain	Wetland 5b is not located in a 100 year floodplain of an (a)(1)-(a)(3) water and occurs outside of the 4000 foot threshold of an (a)(1)-(a)(5) water. The closest potential (a)(1)-(a)(5) water to Wetland 5b is located approximately 13,135 feet to the west of wetland 5b. The wetland basin contains a segment of ditch that drains this wetland but this wetland is not a water of the US due to exceeding the distance threshold.
Wetland 6b	Outside distance threshold or 100 yr floodplain	Wetland 6b is not located in a 100 year floodplain of an (a)(1)-(a)(3) water and occurs outside of the 4000 foot threshold of an (a)(1)-(a)(5) water. The closest potential (a)(1)-(a)(5) water to Wetland 6b is located approximately 13,270 feet to the west of wetland 6b. The wetland basin contains a segment of ditch that drains this wetland but this wetland is not a water of the US due to exceeding the distance threshold.
Wetland 8b	Outside distance threshold or 100 yr floodplain	Wetland 8b is not located in a 100 year floodplain of an (a)(1)-(a)(3) water and occurs outside of the 4000 foot threshold of an (a)(1)-(a)(5) water. The closest potential (a)(1)-(a)(5) water to Wetland 8b is located approximately 12,775 feet to the west of wetland 8b. The wetland basin contains a segment of ditch that drains this wetland but this wetland is not a water of the US due to exceeding the distance threshold.
Wetland 10b	Outside distance threshold or 100 yr floodplain	Wetland 10b is not located in a 100 year floodplain of an (a)(1)-(a)(3) water and occurs outside of the 4000 foot threshold of an (a)(1)-(a)(5) water. The closest potential (a)(1)-(a)(5) water to Wetland 10b is located approximately 12,990 feet to the west of wetland 10b. The wetland basin contains a segment of ditch that drains this wetland but this wetland is not a water of the US due to exceeding the distance threshold.
Wetland 20	Outside distance threshold or 100 yr floodplain	Wetland 20 is not located in a 100 year floodplain of an (a)(1)-(a)(3) water and occurs outside of the 4000 foot threshold of an (a)(1)-(a)(5) water. The closest potential (a)(1)-(a)(5) water to Wetland 20 is located approximately 7,935 feet to the west of wetland 20. The wetland basin contains a segment of ditch that drains this wetland but this wetland is not a water of the US due to exceeding the distance threshold.
Wetland 26c	Outside distance threshold or 100 yr floodplain	Wetland 26c is not located in a 100 year floodplain of an (a)(1)-(a)(3) water and occurs outside of the 4000 foot threshold of an (a)(1)-(a)(5) water. The closest potential (a)(1)-(a)(5) water to Wetland 26c is located approximately 4,768 feet to the south of wetland 26c. The wetland basin contains a segment of ditch that drains this wetland but this wetland is not a water of the US due to exceeding the distance threshold.

Other NonJurisdictional Waters/Features

Wetland 27b	Outside distance threshold or 100 yr floodplain	Wetland 27b is not located in a 100 year floodplain of an (a)(1)-(a)(3) water and occurs outside of the 4000 foot threshold of an (a)(1)-(a)(5) water. The closest potential (a)(1)-(a)(5) water to Wetland 27b is located approximately 4,690 feet to the south of wetland 27b. The wetland basin contains a segment of ditch that drains this wetland but this wetland is not a water of the US due to exceeding the distance threshold.
Wetland 27d	Outside distance threshold or 100 yr floodplain	Wetland 27d is not located in a 100 year floodplain of an (a)(1)-(a)(3) water and occurs outside of the 4000 foot threshold of an (a)(1)-(a)(5) water. The closest potential (a)(1)-(a)(5) water to Wetland 27d is located approximately 4,520 feet to the east of wetland 27d. The wetland basin contains a segment of ditch that drains this wetland but this wetland is not a water of the US due to exceeding the distance threshold.



Legend

-  Ditches in Uplands
-  Natural Wetlands
-  Levee
-  Ditch Excavation
-  General Project Location

0 2,500 5,000
Feet

**Black River Wetlands
Pennington County, Minnesota**

Scale: AS SHOWN	Drawn by: SES	Checked by: DJ	Project No.: 3055-001	Date: 8/01/2018	Page: 1 of 1
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60TH ST SW

140TH ST NW

COUNTY
7
ROAD

COUNTY
12
ROAD

PEM1Ad

PEM1Ad

PEM1Ad

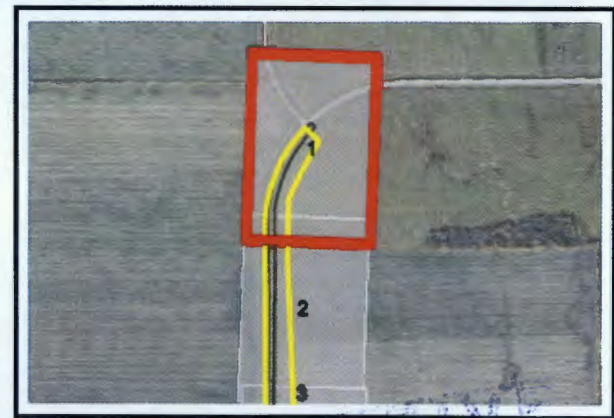
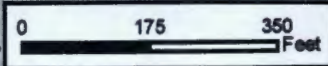
PEM1Ad

Wetland 1

Sta. 198+05

Legend

- New Culvert
- Removed Culvert
- Replaced Culvert
- Unaffected Culvert
- Riprap
- Test Hole Points
- Ditches in Uplands
- Natural Wetlands
- Project Boundary
- Levee
- Ditch Excavation
- NWI



Black River Wetlands Maps with Structures Pennington County, Minnesota

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PEM1Ad

PEM1Ad

Wetland 1

Sta. 198+05

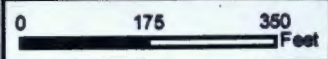
PEM1Ad

COUNTY
12
ROAD

Wetland 2

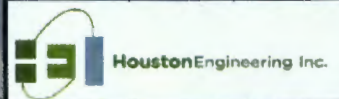
Legend

- New Culvert
- Removed Culvert
- Replaced Culvert
- Unaffected Culvert
- Riprap
- Test Hole Points
- Ditches in Uplands
- Natural Wetlands
- Project Boundary
- Levee
- Ditch Excavation
- NWI



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Wetland 2

COUNTY 12
ROAD

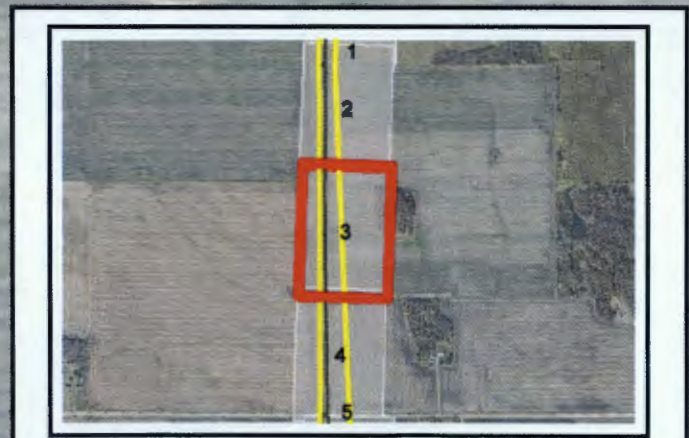
Sta. 178+90

Wetland 3

Legend

- New Culvert
- Removed Culvert
- Replaced Culvert
- Unaffected Culvert
- Riprap
- Test Hole Points
- Ditches in Uplands
- Natural Wetlands
- Project Boundary
- Levee
- Ditch Excavation
- NWI

0 175 350
Feet



**Black River Wetlands Maps with Structures
Pennington County, Minnesota**

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Legend

- New Culvert
- Removed Culvert
- Replaced Culvert
- Unaffected Culvert
- Riprap
- Test Hole Points
- Ditches in Uplands
- Natural Wetlands
- Project Boundary
- Levee
- Ditch Excavation
- NWI

0 175 350
Feet

12
ROAD

Wetland 3

Sta. 158+42

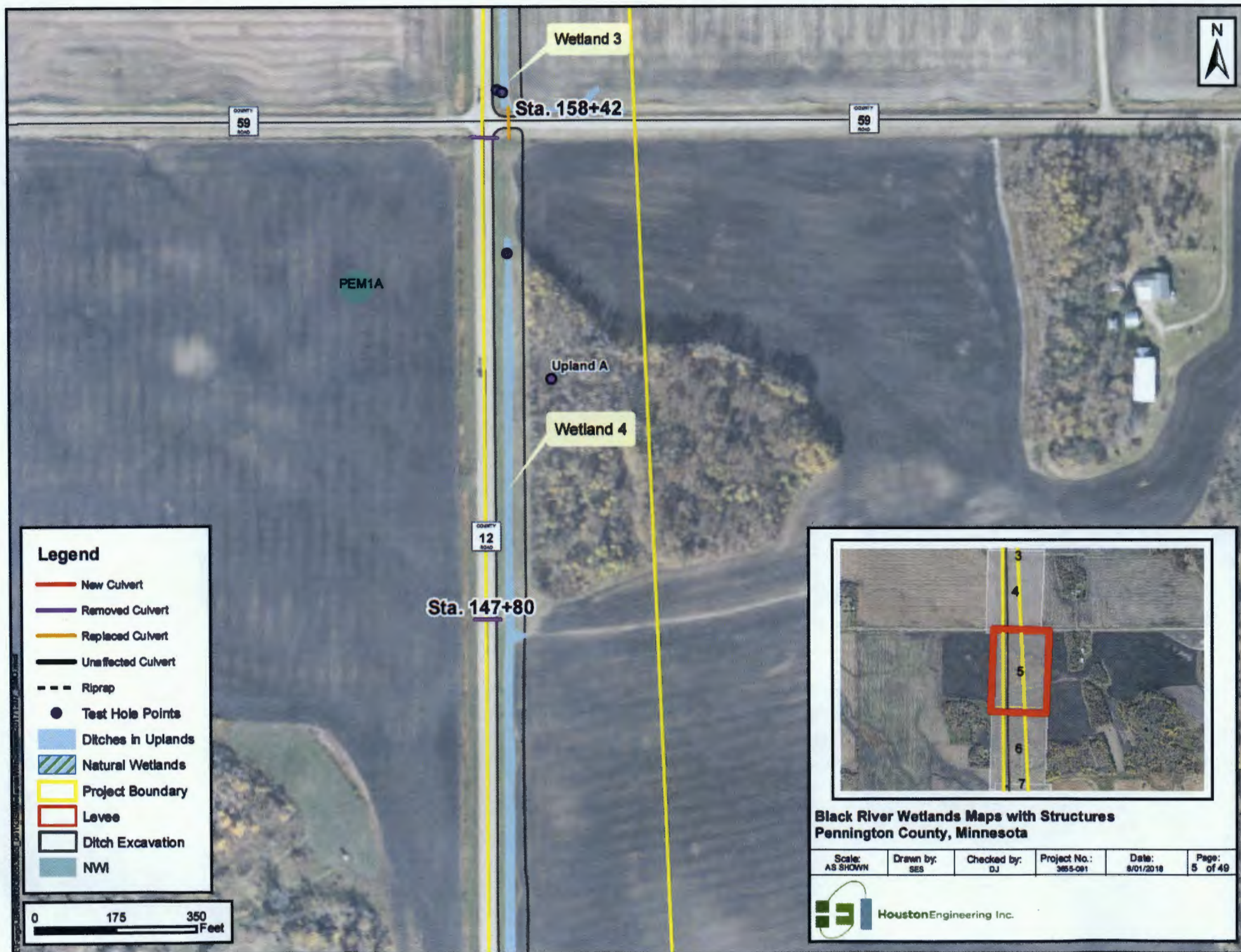
COUNTY
59
ROAD



Black River Wetlands Maps with Structures Pennington County, Minnesota

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Legend

- New Culvert
- Removed Culvert
- Replaced Culvert
- Unaffected Culvert
- Riprap
- Test Hole Points
- Ditches in Uplands
- Natural Wetlands
- Project Boundary
- Levee
- Ditch Excavation
- NWI

0 175 350
Feet

COUNTY
12
ROAD

Upland B

Wetland 4

Sta. 129+85

Wetland 5a

PEM1B

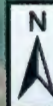


Black River Wetlands Maps with Structures Pennington County, Minnesota

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Houston Engineering Inc.



Wetland 4

Sta. 129+85

Wetland 5a

Wetland 5b

Wetland 5c

COUNTY
12
ROAD

Sta. 122+10

Wetland 6a

Wetland 6b

Sta. 120+00

Wetland 6c

Wetland 6d

Legend

- New Culvert
- Removed Culvert
- Replaced Culvert
- Unaffected Culvert
- Riprap
- Test Hole Points
- Ditches in Uplands
- Natural Wetlands
- Project Boundary
- Levee
- Ditch Excavation
- NWI

0 175 350
Feet



Black River Wetlands Maps with Structures
Pennington County, Minnesota

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Wetland 6d

PEM1C

PEM1A

COUNTY
12
ROAD

COUNTY
58
ROAD

Sta. 105+88

Wetland 7

Sta. 101+55

Sta. 100+00

Wetland 8a

Legend

- New Culvert
- Removed Culvert
- Replaced Culvert
- Unaffected Culvert
- Riprap
- Test Hole Points
- Ditches in Uplands
- Natural Wetlands
- Project Boundary
- Levee
- Ditch Excavation
- NWI

0 175 350
Feet



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P0165x



Wetland 8a

Sta. 101+55

Sta. 100+00

COUNTY 12 ROAD

Wetland 8b

Sta. 89+00

Sta. 87+00

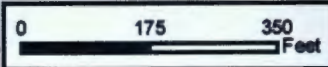
Wetland 8c

Sta. 84+40

PEM1/SS1Ad

Legend

- New Culvert
- Removed Culvert
- Replaced Culvert
- Unaffected Culvert
- Riprap
- Test Hole Points
- Ditches in Uplands
- Natural Wetlands
- Project Boundary
- Levee
- Ditch Excavation
- NWI



**Black River Wetlands Maps with Structures
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Sta. 89+00

Sta. 87+00

Wetland 8c

Sta. 84+40

Wetland 9

Sta. 79+25

Wetland 10a

PEM1/SS1Ad

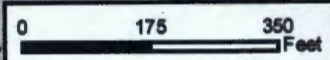
COUNTY
12
ROAD

COUNTY
57
ROAD



Legend

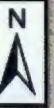
- New Culvert
- Removed Culvert
- Replaced Culvert
- Unaffected Culvert
- Riprap
- Test Hole Points
- Ditches in Uplands
- Natural Wetlands
- Project Boundary
- Levee
- Ditch Excavation
- NWI



Black River Wetlands Maps with Structures Pennington County, Minnesota

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Sta. 69+00

COUNTY
12
ROAD

Legend

- New Culvert
- Removed Culvert
- Replaced Culvert
- Unaffected Culvert
- Riprap
- Test Hole Points
- Ditches in Uplands
- Natural Wetlands
- Project Boundary
- Levee
- Ditch Excavation
- NWI

Sta. 60+25

Wetland 10b

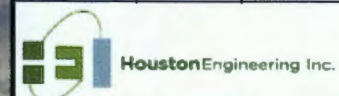
Wetland 10c

0 175 350
Feet



Black River Wetlands Maps with Structures Pennington County, Minnesota

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Wetland 10b

Sta. 60+25

Wetland 10c

Sta. 53+00

Wetland 11

COUNTY
57
ROAD

COUNTY
12
ROAD

Legend

- New Culvert
- Removed Culvert
- Replaced Culvert
- Unaffected Culvert
- Riprap
- Test Hole Points
- Ditches in Uplands
- Natural Wetlands
- Project Boundary
- Levee
- Ditch Excavation
- NWI

0 175 350
Feet



**Black River Wetlands Maps with Structures
Pennington County, Minnesota**

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Wetland 11

Wetland 12

Sta. 40+00

PEM1C

R4SBC

PEM1Cx

12
ROAD

Wetland 13

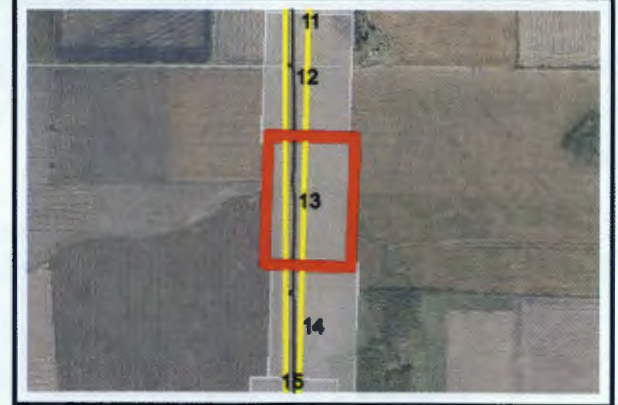
Wetland 14

Wetland 15

Legend

- New Culvert
- Removed Culvert
- Replaced Culvert
- Unaffected Culvert
- Riprap
- Test Hole Points
- Ditches in Uplands
- Natural Wetlands
- Project Boundary
- Levee
- Ditch Excavation
- NWI

0 175 350
Feet

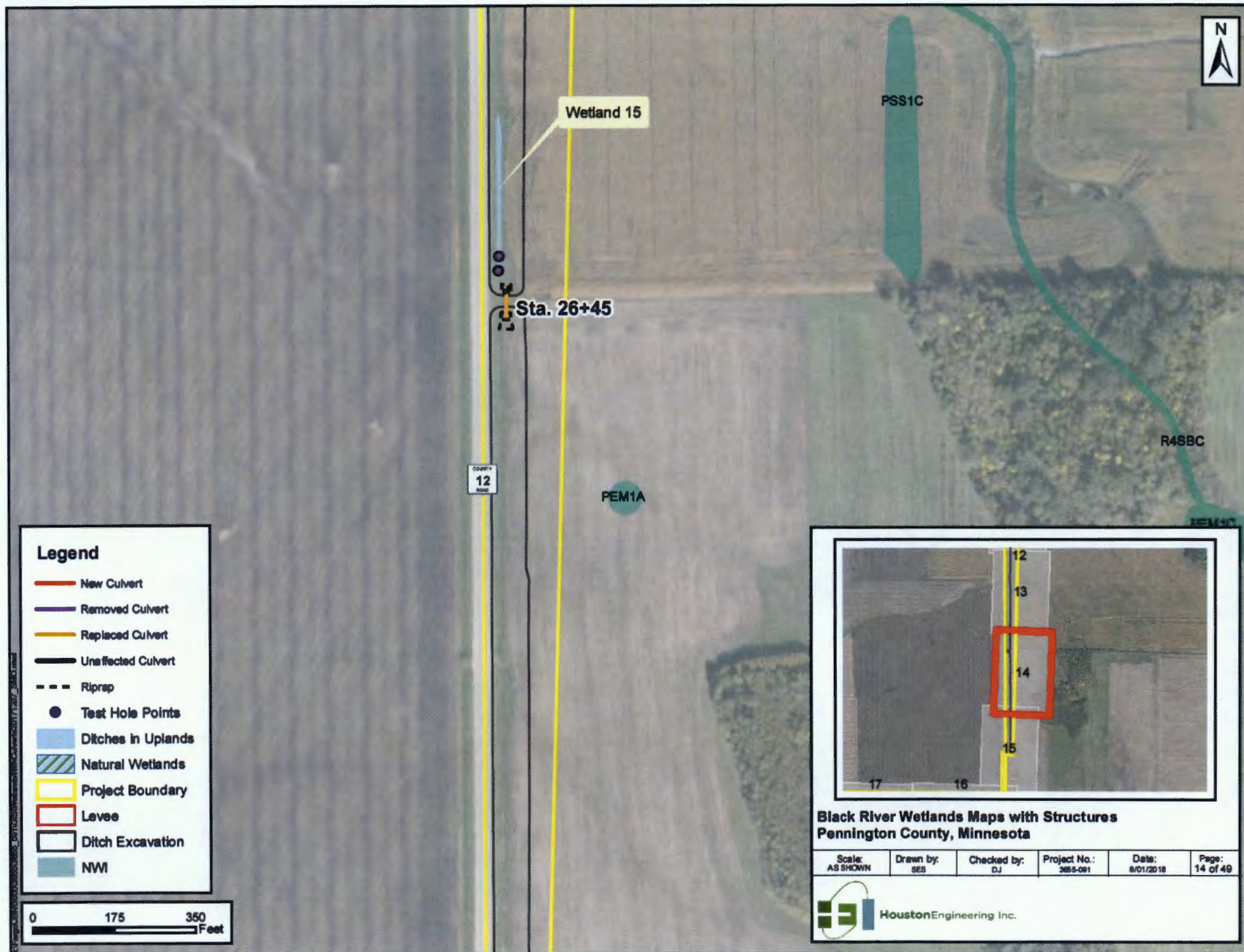


Black River Wetlands Maps with Structures Pennington County, Minnesota

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PSS1C

COUNTY
12
ROAD

Sta. 6+55

Wetland 16

Sta. 67+00

Sta. 70+50

Sta. 73+50

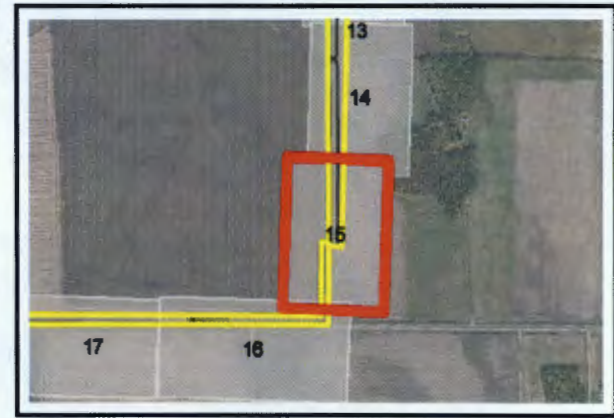
R5UBFx

COUNTY
3
ROAD

Legend

- New Culvert
- Removed Culvert
- Replaced Culvert
- Unaffected Culvert
- Riprap
- Test Hole Points
- Ditches in Uplands
- Natural Wetlands
- Project Boundary
- Levee
- Ditch Excavation
- NWI

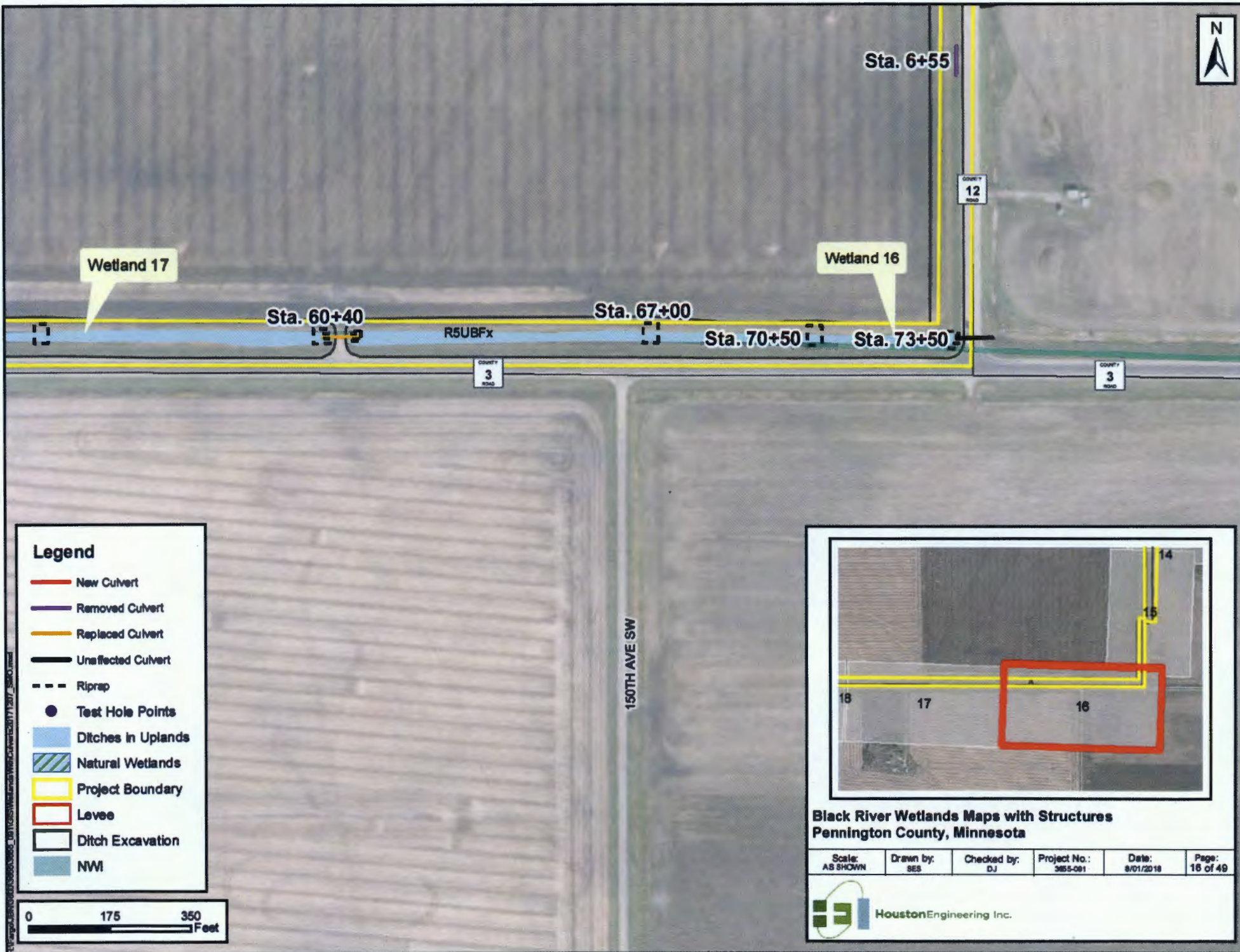
0 175 350
Feet



Black River Wetlands Maps with Structures Pennington County, Minnesota

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Sta. 40+50

R5UBFx

Sta. 54+00

Wetland 17

COUNTY
3
ROAD

Legend

- New Culvert
- Removed Culvert
- Replaced Culvert
- Unaffected Culvert
- Riprap
- Test Hole Points
- Ditches in Uplands
- Natural Wetlands
- Project Boundary
- Levee
- Ditch Excavation
- NWI

0 175 350
Feet



**Black River Wetlands Maps with Structures
Pennington County, Minnesota**

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Wetland 25

Wetland 18

Wetland 17

Sta. 21+00

Sta. 30+50

Sta. 40+50

R5UBFx

COUNTY
3
ROAD

COUNTY
3
ROAD

Legend

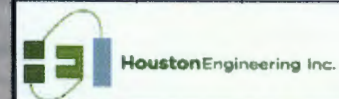
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- Removed Culvert
- Replaced Culvert
- Unaffected Culvert
- Riprap
- Test Hole Points
- Ditches in Uplands
- Natural Wetlands
- Project Boundary
- Levee
- Ditch Excavation
- NWI

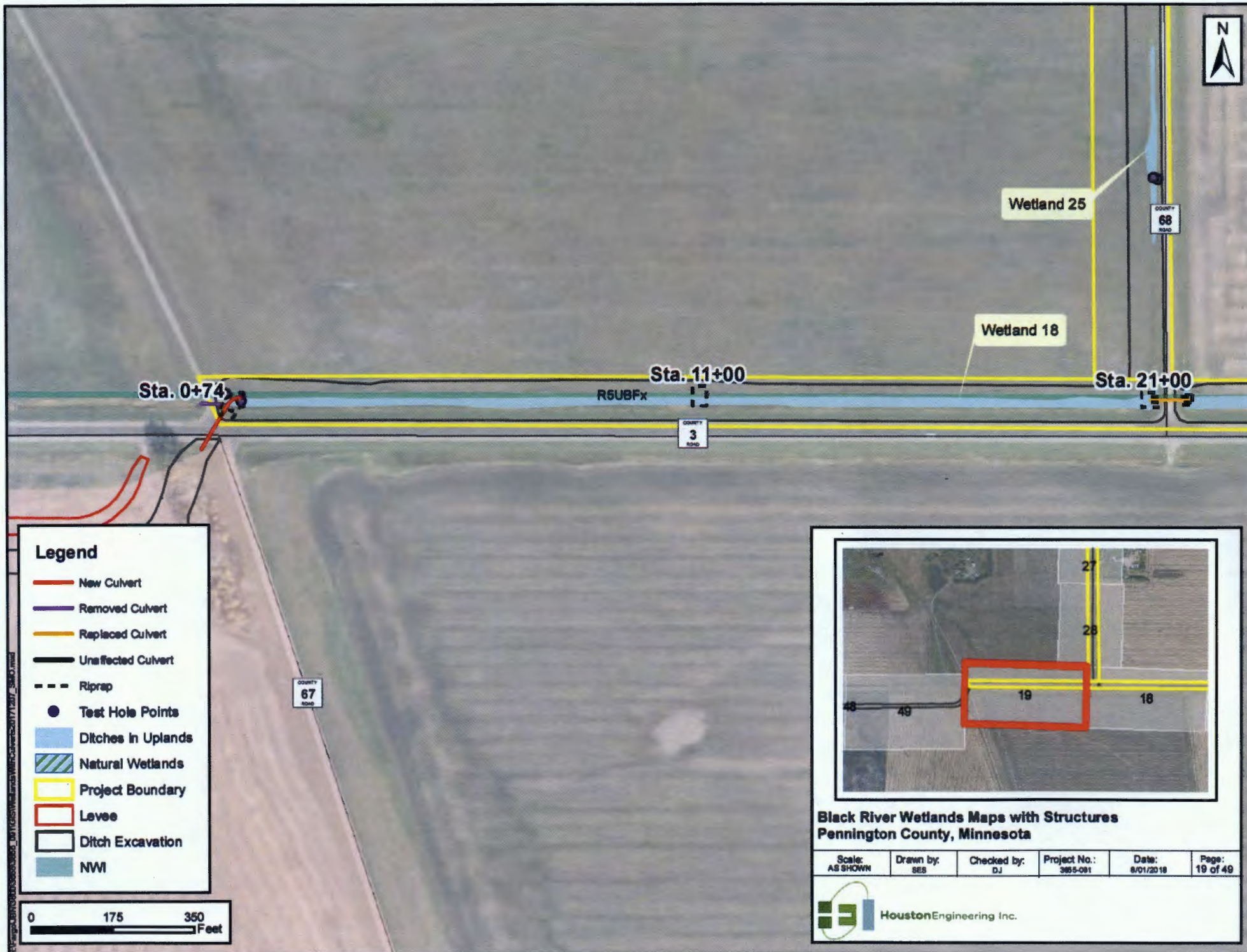
0 175 350
Feet



Black River Wetlands Maps with Structures Pennington County, Minnesota

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Sta. 122+50

Wetland 19

PSS1B

PUBGx

PEM1C

Legend

- New Culvert
- Removed Culvert
- Replaced Culvert
- Unaffected Culvert
- Riprap
- Test Hole Points
- Ditches in Uplands
- ▨ Natural Wetlands
- Project Boundary
- Levee
- Ditch Excavation
- NWI

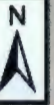
0 175 350 Feet



Black River Wetlands Maps with Structures Pennington County, Minnesota

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Wetland 20

COUNTY
68
ROAD

Legend

- New Culvert
- Removed Culvert
- Replaced Culvert
- Unaffected Culvert
- Riprap
- Test Hole Points
- Ditches in Uplands
- Natural Wetlands
- Project Boundary
- Levee
- Ditch Excavation
- NWI

0 175 350
Feet



**Black River Wetlands Maps with Structures
Pennington County, Minnesota**

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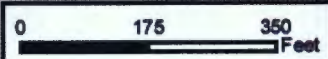




68
ROAD

Legend

- New Culvert
- Removed Culvert
- Replaced Culvert
- Unaffected Culvert
- Riprap
- Test Hole Points
- Ditches in Uplands
- Natural Wetlands
- Project Boundary
- Levee
- Ditch Excavation
- NWI



Black River Wetlands Maps with Structures Pennington County, Minnesota

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Legend

- New Culvert
- Removed Culvert
- Replaced Culvert
- Unaffected Culvert
- Riprap
- Test Hole Points
- Ditches in Uplands
- Natural Wetlands
- Project Boundary
- Levee
- Ditch Excavation
- NWI

0 175 350
Feet

Upland C
PEN 1Ad
Upland D

GOV'TY
68
ROAD

Upland E

Wetland 21



Black River Wetlands Maps with Structures Pennington County, Minnesota

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PEM1Ad

Upland E

Wetland 21

Sta. 53+80

COUNTY
57
ROAD

COUNTY
57
ROAD

Legend

- New Culvert
- Removed Culvert
- Replaced Culvert
- Unaffected Culvert
- Riprap
- Test Hole Points
- Ditches in Uplands
- Natural Wetlands
- Project Boundary
- Levee
- Ditch Excavation
- NWM

Wetland 22

Upland F

COUNTY
68
ROAD



Black River Wetlands Maps with Structures Pennington County, Minnesota

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Houston Engineering Inc.

0 175 350
Feet



Wetland 22

Upland F

COUNTY
68
ROAD

Legend

- New Culvert
- Removed Culvert
- Replaced Culvert
- Unaffected Culvert
- Riprap
- Test Hole Points
- Ditches in Uplands
- Natural Wetlands
- Project Boundary
- Levee
- Ditch Excavation
- NWI

0 175 350
Feet



Black River Wetlands Maps with Structures Pennington County, Minnesota

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Wetland 23

Sta. 24+58

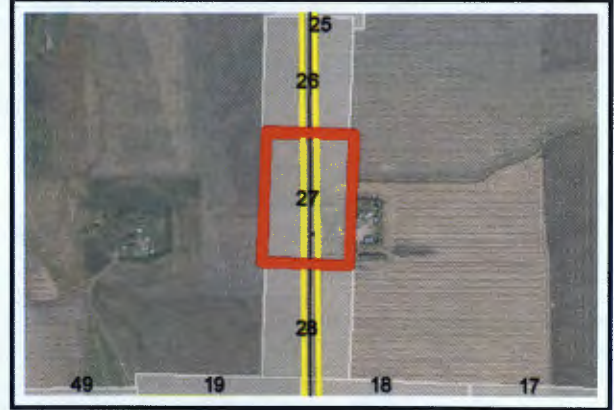
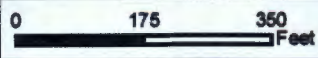
COUNTY
68
ROAD

R4SBC

Wetland 24

Legend

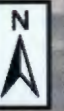
- New Culvert
- Removed Culvert
- Replaced Culvert
- Unaffected Culvert
- Riprap
- Test Hole Points
- Ditches in Uplands
- Natural Wetlands
- Project Boundary
- Levee
- Ditch Excavation
- NWI



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Wetland 24

COUNTY
68
ROAD

Wetland 25

Wetland 18

Sta. 21+00

R5UBFx

1+00

Legend

- New Culvert
- Removed Culvert
- Replaced Culvert
- Unaffected Culvert
- Riprap
- Test Hole Points
- Ditches in Uplands
- Natural Wetlands
- Project Boundary
- Levee
- Ditch Excavation
- NWI

0 175 350
Feet

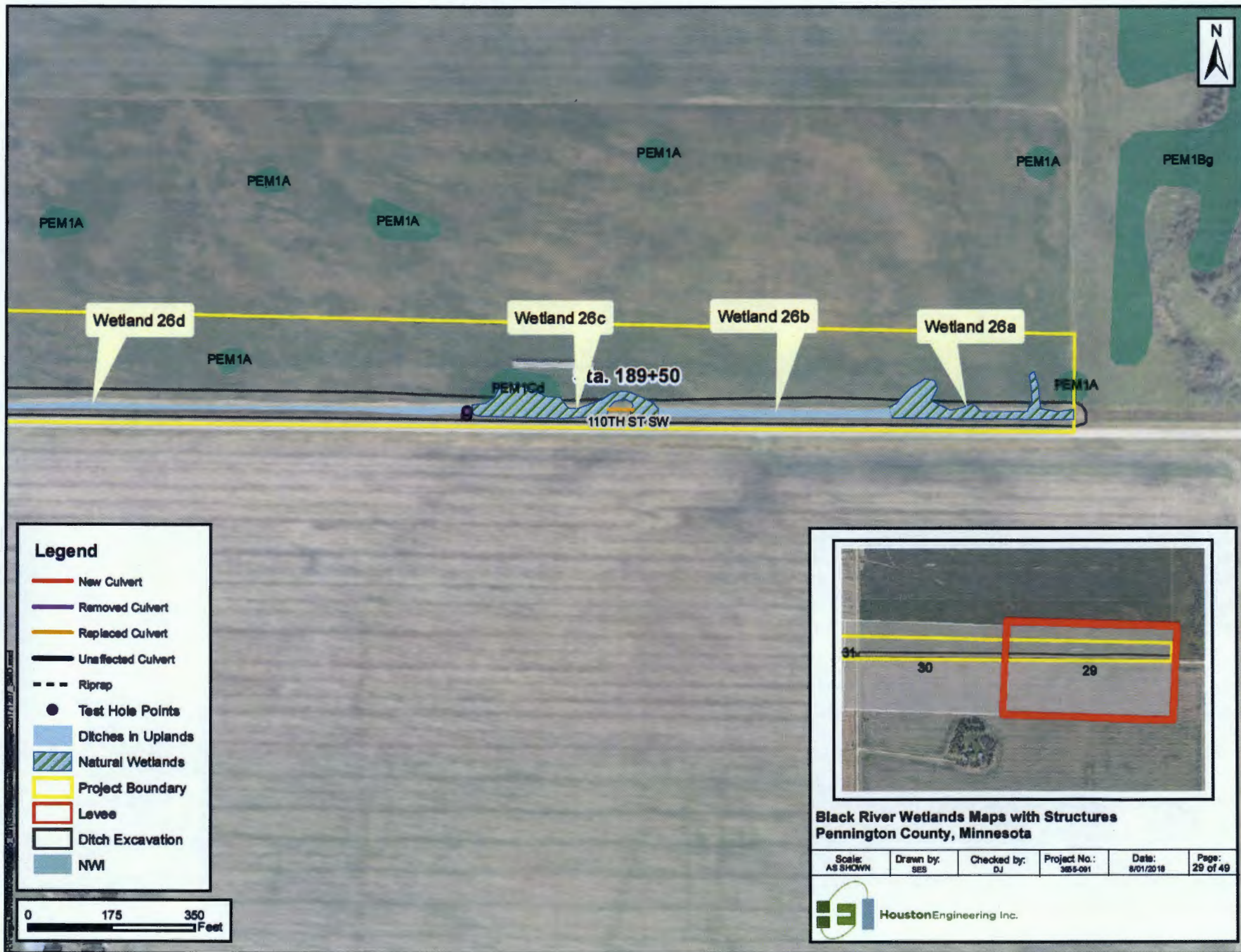
COUNTY
3
ROAD



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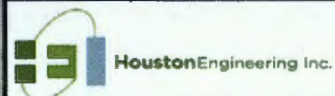
Legend

- New Culvert
- Removed Culvert
- Replaced Culvert
- Unaffected Culvert
- Riprap
- Test Hole Points
- Ditches in Uplands
- Natural Wetlands
- Project Boundary
- Levee
- Ditch Excavation
- NWI

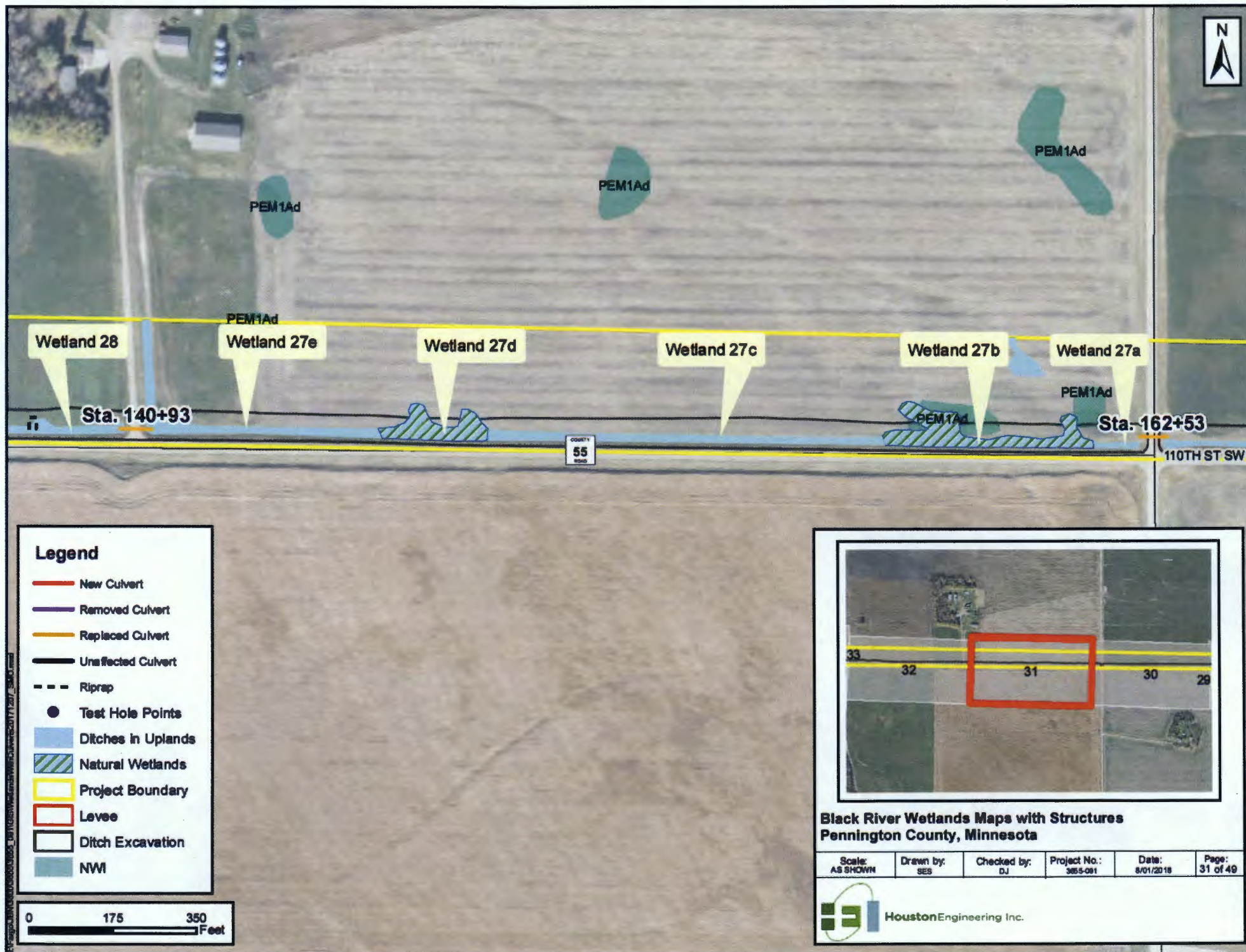
0 175 350
Feet

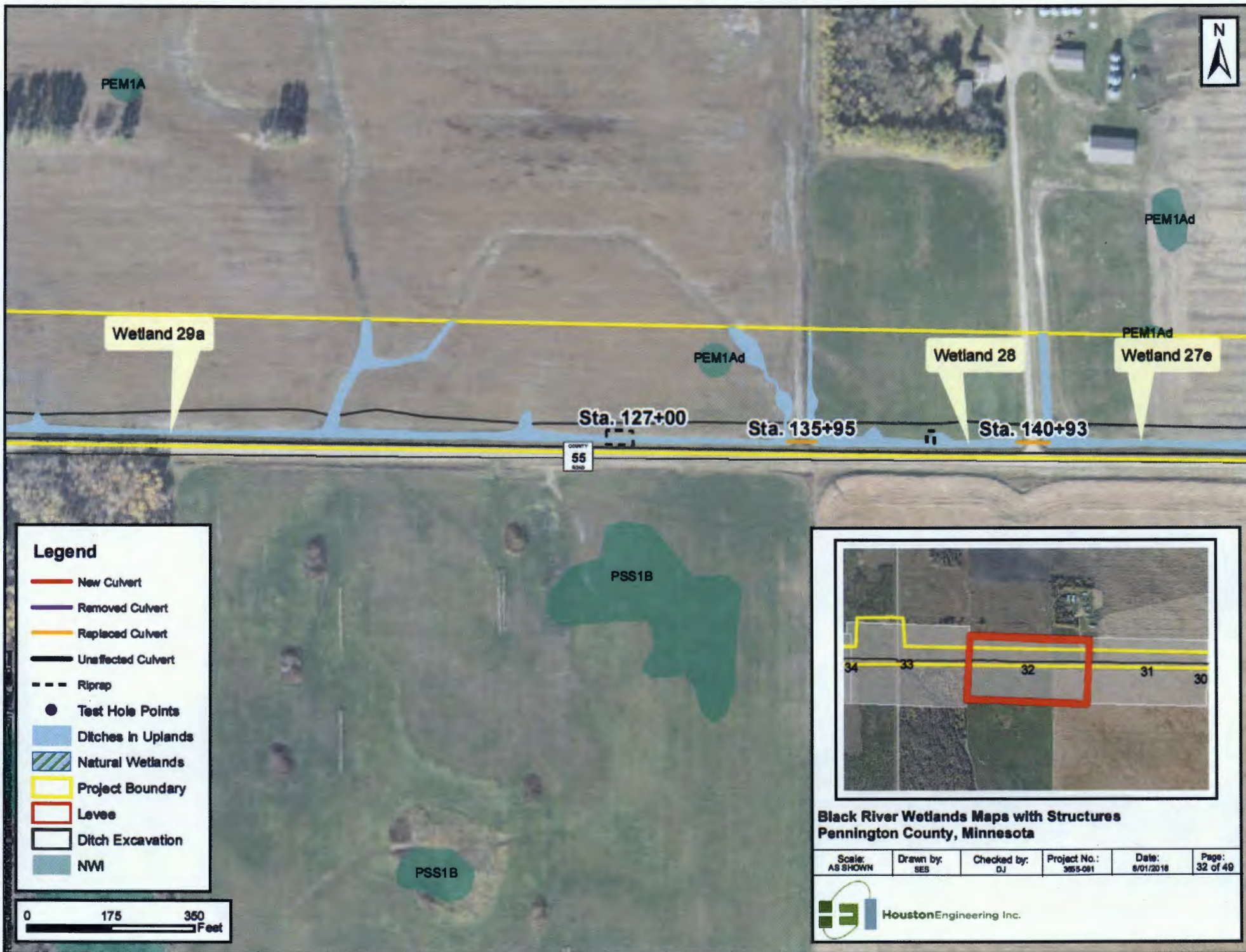
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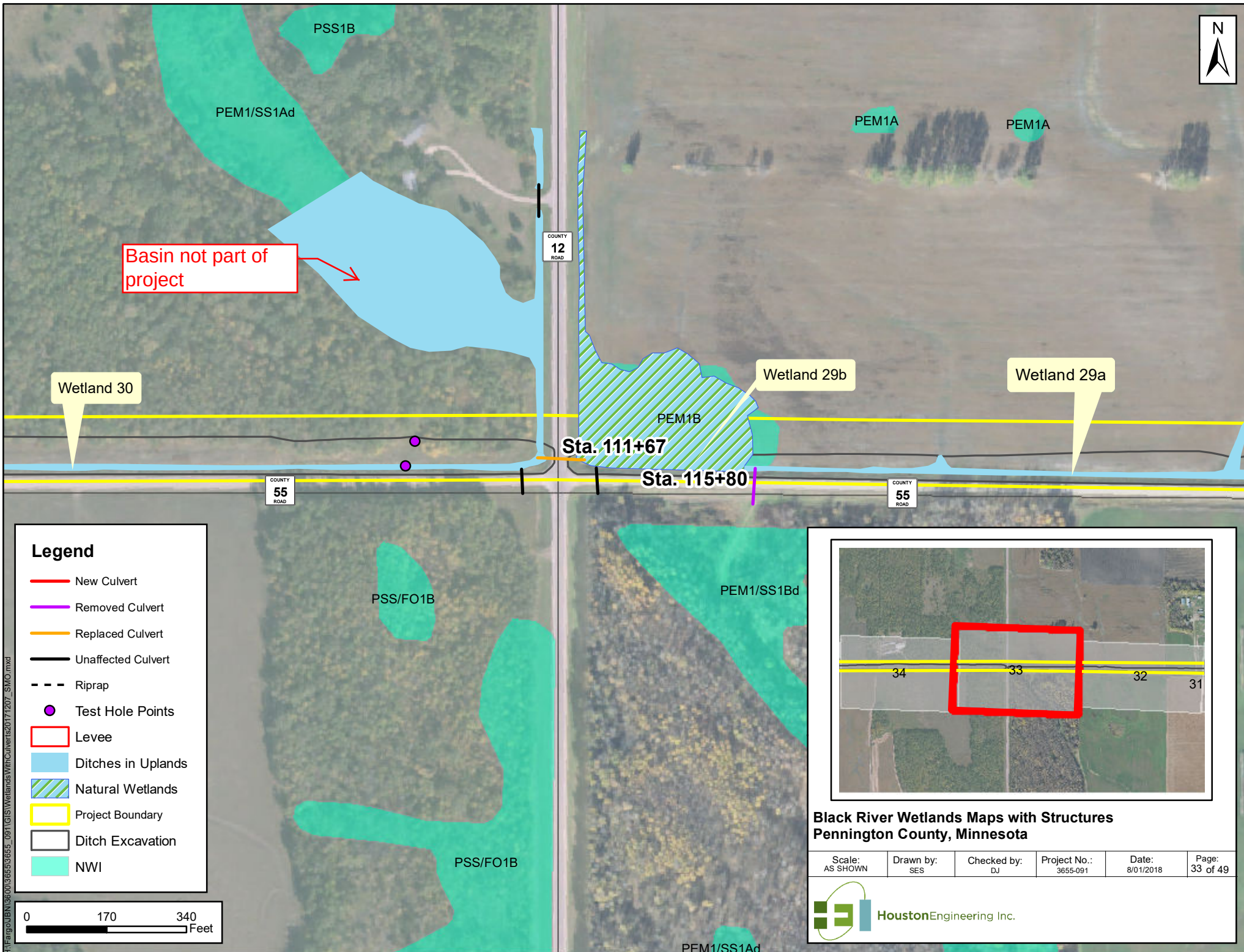
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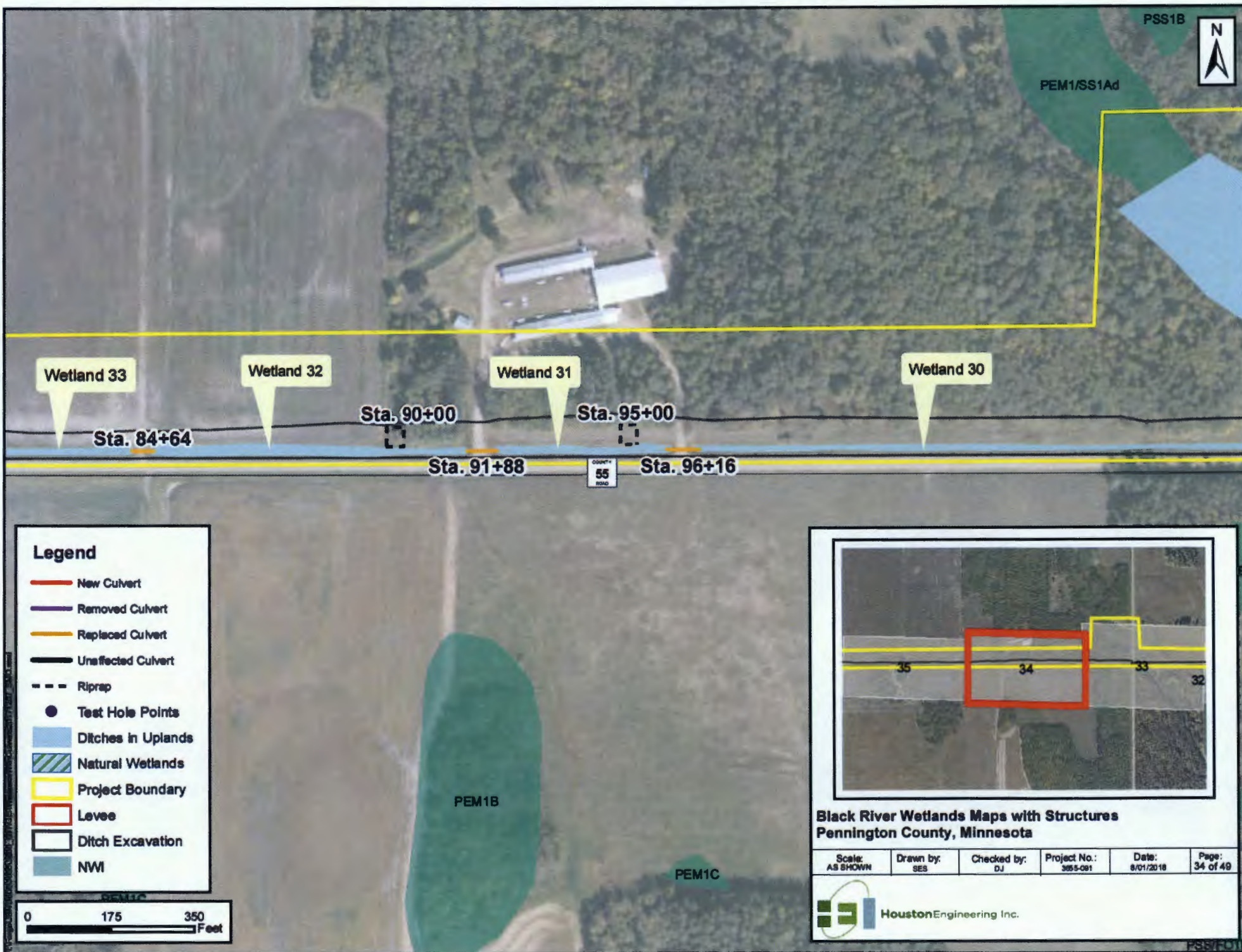


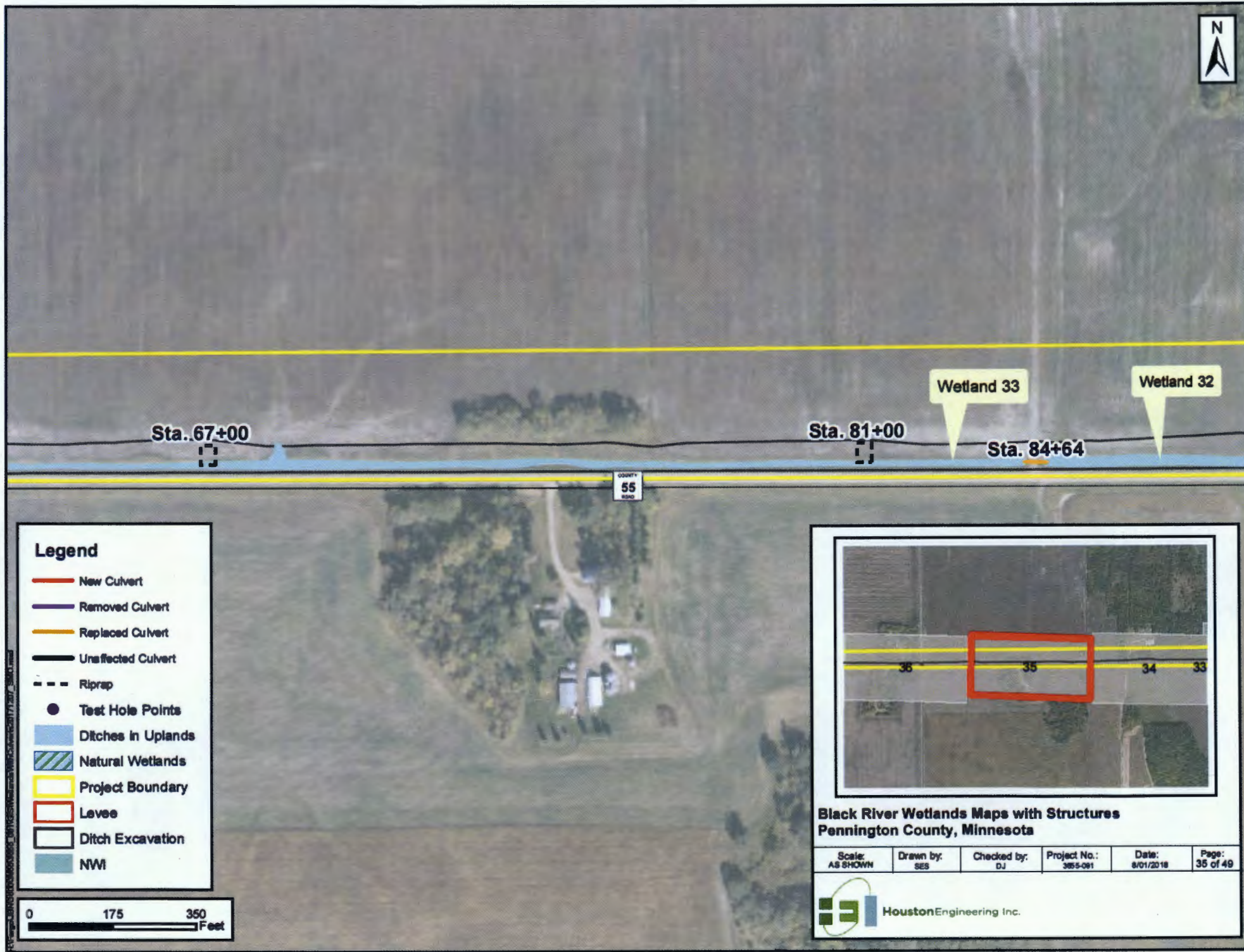












Legend

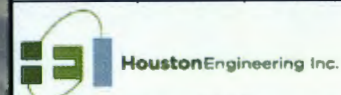
- New Culvert
- Removed Culvert
- Replaced Culvert
- Unaffected Culvert
- Riprap
- Test Hole Points
- Ditches in Uplands
- Natural Wetlands
- Project Boundary
- Levee
- Ditch Excavation
- NWI

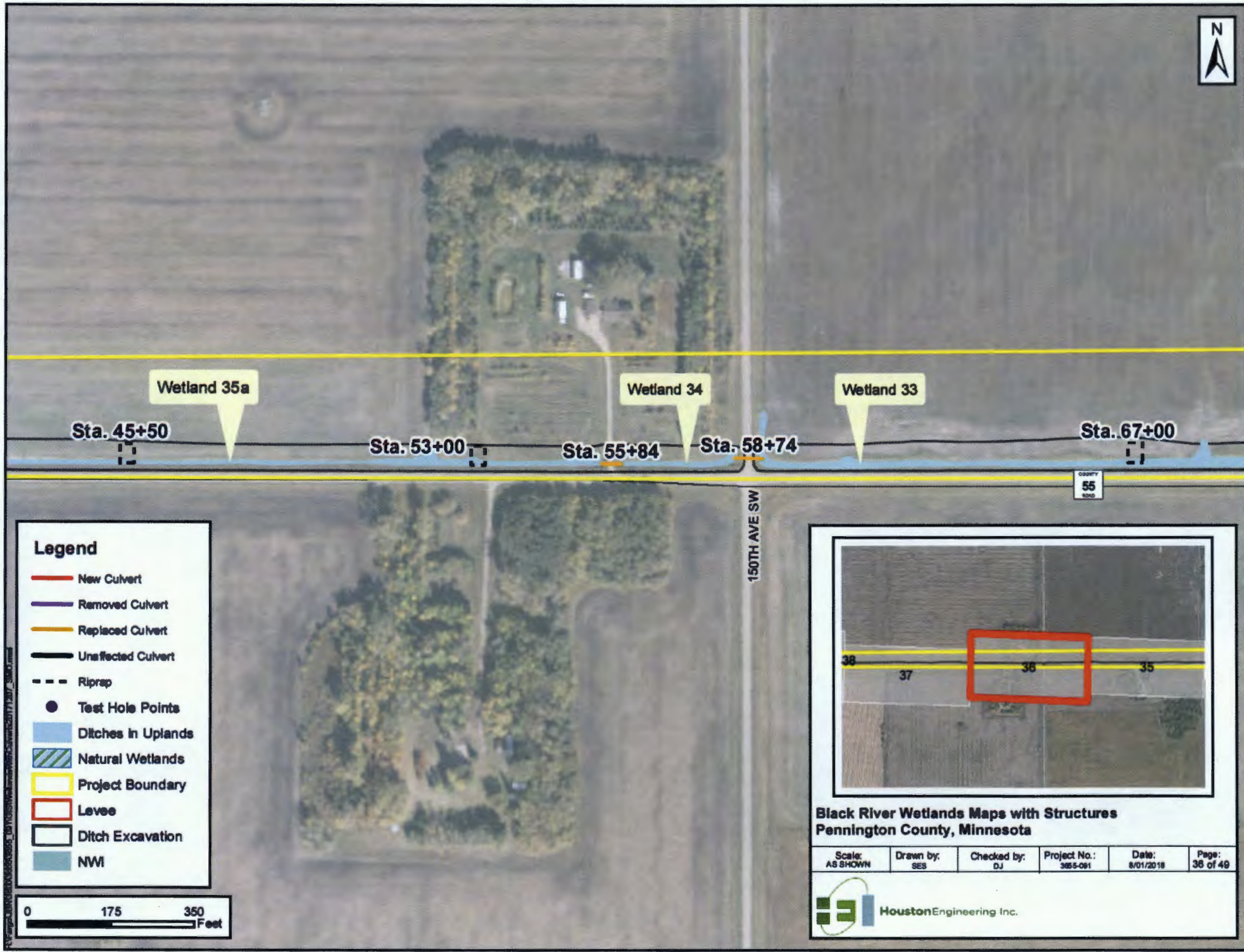
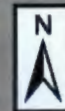
0 175 350
Feet



**Black River Wetlands Maps with Structures
Pennington County, Minnesota**

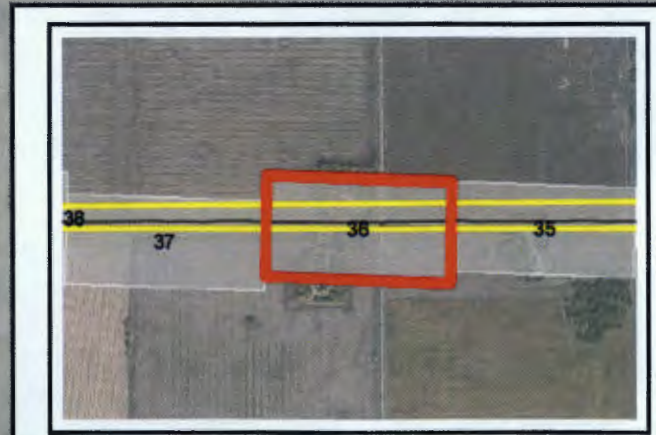
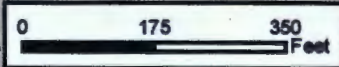
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Legend

- New Culvert
- Removed Culvert
- Replaced Culvert
- Unaffected Culvert
- Riprap
- Test Hole Points
- Ditches in Uplands
- ▨ Natural Wetlands
- Project Boundary
- Levee
- Ditch Excavation
- NWI

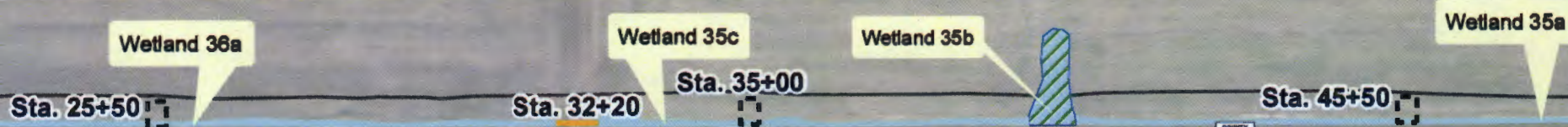


**Black River Wetlands Maps with Structures
Pennington County, Minnesota**

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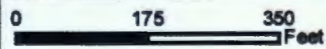


PSS1Bd



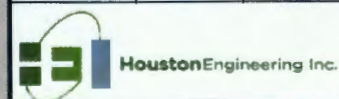
Legend

- New Culvert
- Removed Culvert
- Replaced Culvert
- Unaffected Culvert
- Riprap
- Test Hole Points
- Ditches in Uplands
- Natural Wetlands
- Project Boundary
- Levee
- Ditch Excavation
- NWI



Black River Wetlands Maps with Structures Pennington County, Minnesota

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PSS18d



Legend

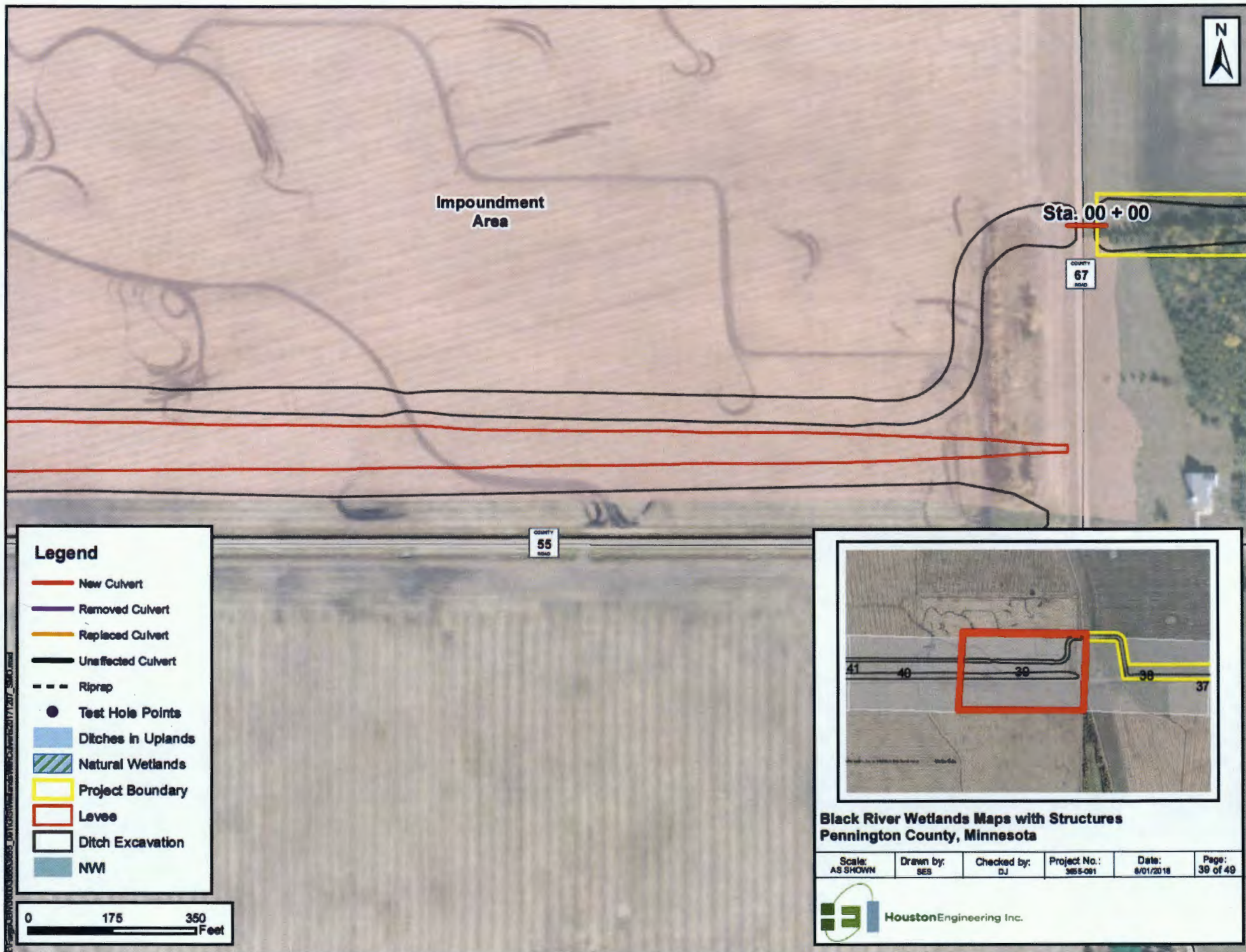
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- Removed Culvert
- Replaced Culvert
- Unaffected Culvert
- Riprap
- Test Hole Points
- Ditches in Uplands
- Natural Wetlands
- Project Boundary
- Levee
- Ditch Excavation
- NWI



**Black River Wetlands Maps with Structures
Pennington County, Minnesota**

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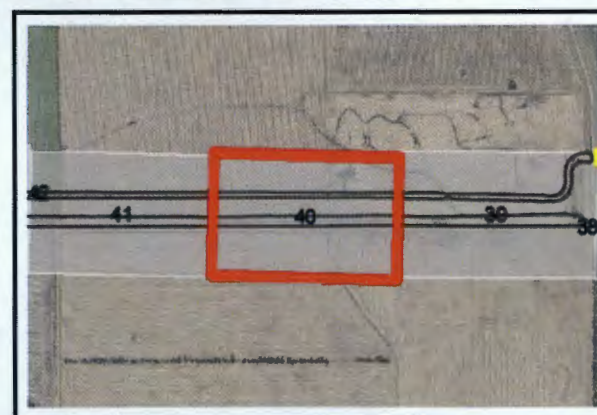


Impoundment
Area

Legend

-  New Culvert
-  Removed Culvert
-  Replaced Culvert
-  Unaffected Culvert
-  Riprap
-  Test Hole Points
-  Ditches in Uplands
-  Natural Wetlands
-  Project Boundary
-  Levee
-  Ditch Excavation
-  NWI

0 175 350
Feet

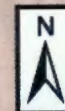


Black River Wetlands Maps with Structures Pennington County, Minnesota

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Houston Engineering Inc.



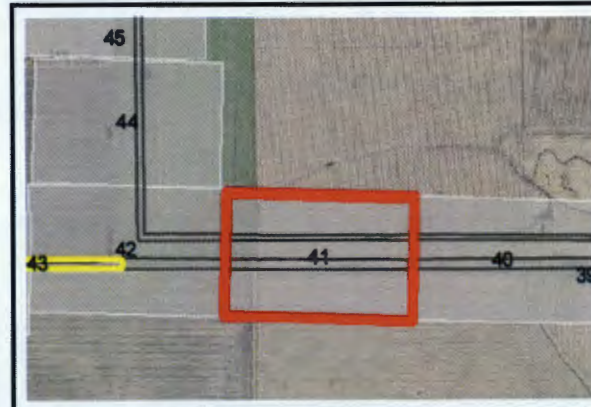
Impoundment
Area

Legend

-  New Culvert
-  Removed Culvert
-  Replaced Culvert
-  Unaffected Culvert
-  Riprap
-  Test Hole Points
-  Ditches in Uplands
-  Natural Wetlands
-  Project Boundary
-  Levee
-  Ditch Excavation
-  NWI

170TH AVE SW

COUNTY
55
ROAD



**Black River Wetlands Maps with Structures
Pennington County, Minnesota**

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Houston Engineering Inc.

0 175 350
Feet

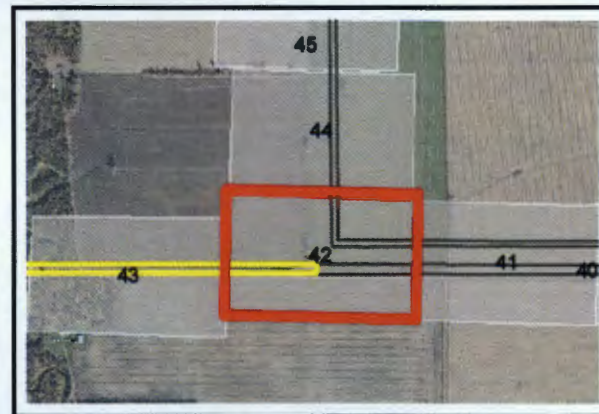


Impoundment
Area

Legend

- New Culvert
- Removed Culvert
- Replaced Culvert
- Unaffected Culvert
- Riprap
- Test Hole Points
- Ditches in Uplands
- Natural Wetlands
- Project Boundary
- Levee
- Ditch Excavation
- NWI

COUNTY
55
ROAD



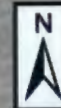
**Black River Wetlands Maps with Structures
Pennington County, Minnesota**

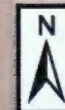
Scale: AS SHOWN	Drawn by: SES	Checked by: DJ	Project No.: 3655-001	Date: 8/01/2018	Page: 42 of 49
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Houston Engineering Inc.

0 175 350
Feet





Impoundment
Area

Legend

- New Culvert
- Removed Culvert
- Replaced Culvert
- Unaffected Culvert
- Riprap
- Test Hole Points
- Ditches in Uplands
- Natural Wetlands
- Project Boundary
- Levee
- Ditch Excavation
- NWI

0 175 350
Feet



Black River Wetlands Maps with Structures
Pennington County, Minnesota

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HoustonEngineering Inc.

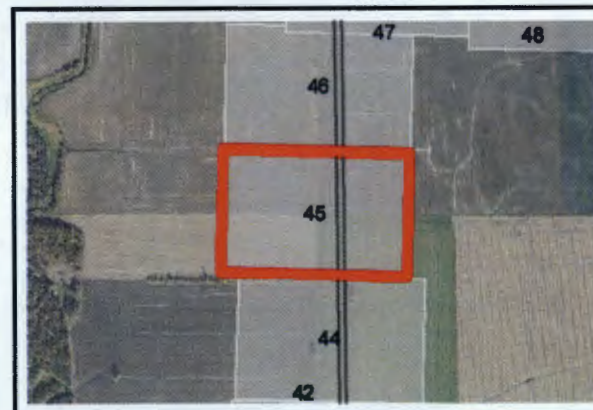


Legend

- New Culvert
- Removed Culvert
- Replaced Culvert
- Unaffected Culvert
- Riprap
- Test Hole Points
- Ditches in Uplands
- Natural Wetlands
- Project Boundary
- Levee
- Ditch Excavation
- NWI

0 175 350
Feet

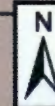
Impoundment
Area



**Black River Wetlands Maps with Structures
Pennington County, Minnesota**

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Legend

- New Culvert
- Removed Culvert
- Replaced Culvert
- Unaffected Culvert
- Riprap
- Test Hole Points
- Ditches in Uplands
- Natural Wetlands
- Project Boundary
- Levee
- Ditch Excavation
- NWI

0 175 350
Feet

Impoundment
Area



**Black River Wetlands Maps with Structures
Pennington County, Minnesota**

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HoustonEngineering Inc.



R4SB0x

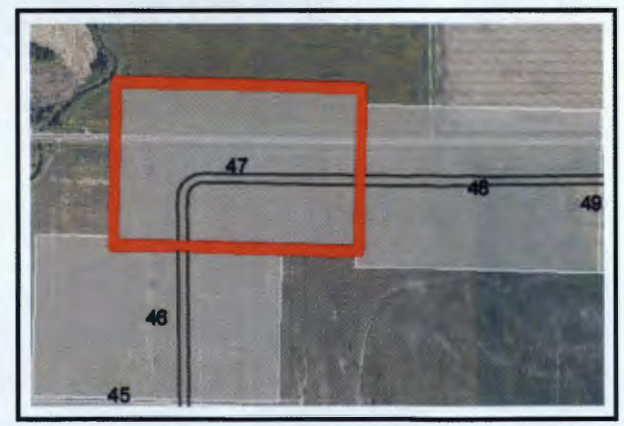
R5UBFx

COUNTY
3
ROAD

Legend

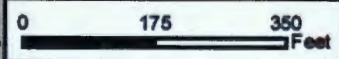
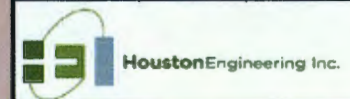
- New Culvert
- Removed Culvert
- Replaced Culvert
- Unaffected Culvert
- Riprap
- Test Hole Points
- Ditches in Uplands
- Natural Wetlands
- Project Boundary
- Levee
- Ditch Excavation
- NWI

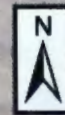
Impoundm
Area



**Black River Wetlands Maps with Structures
Pennington County, Minnesota**

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170TH AVE NW

R5UBFx

COUNTY
3
500

PSS1B

PSS1B

Impoundment
Area

Legend

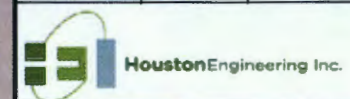
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- Removed Culvert
- Replaced Culvert
- Unaffected Culvert
- Riprap
- Test Hole Points
- Ditches in Uplands
- Natural Wetlands
- Project Boundary
- Levee
- Ditch Excavation
- NWI

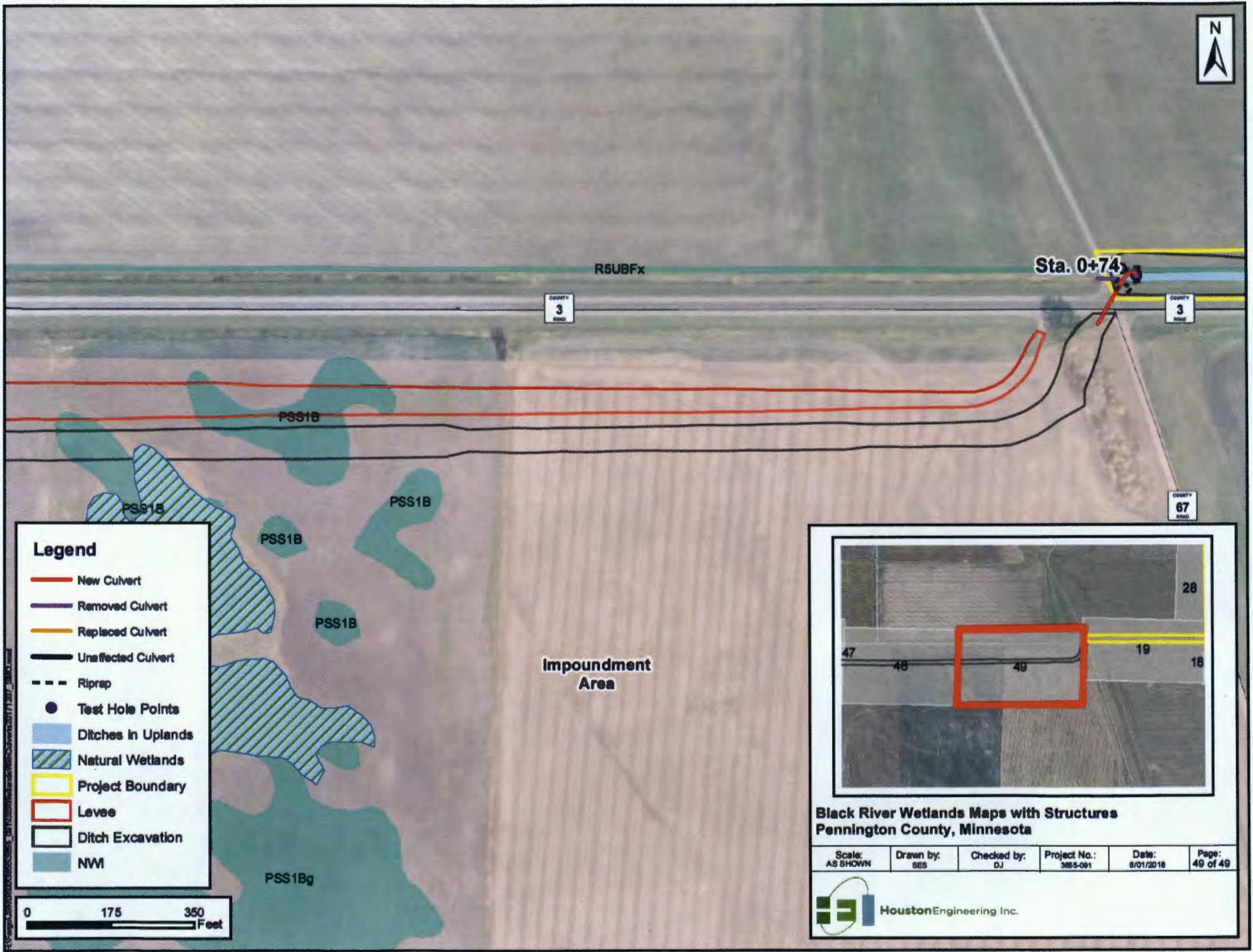
0 175 350
Feet



Black River Wetlands Maps with Structures
Pennington County, Minnesota

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Legend

- New Culvert
- Removed Culvert
- Replaced Culvert
- Unaffected Culvert
- Riprap
- Test Hole Points
- Ditches in Uplands
- Natural Wetlands
- Project Boundary
- Levee
- Ditch Excavation
- NWI

Impoundment Area



**Black River Wetlands Maps with Structures
Pennington County, Minnesota**

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