CONSTRUCTION and MITIGATION PLAN

Rockdale-West Middleton Project – Segment O

American Transmission Company, LLC (ATC) was granted a Ch. 30.025 utility permit by the Wisconsin Department of Natural Resources (WDNR) for work in and adjacent to wetlands and waterways for the Rockdale-West Middleton project (Permit #IP-SC-2009-13-Nxxxxx). This permit requires that ATC prepare a Construction and Mitigation Plan (CMP) for work in wetlands and waterways for WDNR approval prior to beginning work in these features (conditions #8 and 10). ATC has prepared this CMP for Segment O. This CMP outlines various construction methods and procedures which will be followed to minimize impacts to wetlands and waterways. The components of this CMP follow those outlined in General Condition #10 of the WDNR utility permit. In addition to Segment O, separate CMPs for Segments A, B, H, and the Yahara River wetlands have been submitted for WDNR approval.

A. Environmental Access Plan

An Environmental Access Plan (EAP) for Segment O is provided in Segment O, Appendix A. This EAP shows the location of wetlands and waterways, structures, temporary clear span bridge (TCSB) crossings, construction access and other pertinent information. The EAP also shows various locations where ATC will install guard rail within WisDOT right-of-way. No impacts to wetlands or waterways are anticipated based on these locations. Minor filling, grading and/or other land-disturbing activity may be required at each proposed guard rail location and will be addressed in the erosion control plan.

The wetland boundaries identified in the Joint Application along much of Segment O were based on offsite evaluation utilizing existing resources such as recent aerial photography, soil survey information, Wisconsin Wetland Inventory and the WDNR 24K hydrology layer. For preparation of this CMP, previously identified wetlands and areas of mapped hydric soils were recently evaluated in the field to confirm or refine the wetland boundaries identified in the Joint Application. Wetland boundaries within the ROW, as identified on the EAP, are the same boundaries included in the Joint Application (Wetland Delineation Report dated 9/26/07, Natural Resources Consulting) which were approved by the US Army Corps of Engineers, with the following exceptions (Data sheets and maps showing data point locations which support these wetland boundary changes are provided in Appendix E):

- The boundary of Wetland O(120)-W1 (EAP page O-1) was narrowed by about 100 feet within the proposed ROW based on a recent review of site conditions.
- Wetland O(30)-W3 was extended about 30 feet to the north to include an area of hydrophytes extending closer to an adjacent parking lot (EAP page O-5). This expansion is likely attributable to increased storm water runoff associated with the recent development in this area.
- Wetlands O(0A)-W2 and O(0A)-W3 were added within the Beltline Highway / USH 14
 interchange (EAP page O-5). These areas were possibly created due to increased storm water
 runoff from recent adjacent developments.

- The boundary of wetland O(0A)-W4 (EAP page O-6), which occurs in the Greenway Blvd /
 Beltline Highway interchange, was extended to the east to include an area dominated primarily
 by reed canary grass extending from a culvert outlet.
- In the Joint Application, Wetland O(30)-W4 (shown on EAP page O-7 and O-8), which is primarily a drainage ditch, was shown to extend from O(30)-R2 south to Old Sauk Road. Based on a recent site visit, this drainage feature was subsequently split into 2 separate wetlands (O(30)-W4 and O(30)-W4a) because the mid-portion of this feature was culverted underground to accommodate parking lot expansion. In addition, the northern extent of wetland O(30)-W4 was expanded to include a narrow area of reed canary grass adjacent to O(30)-R2.
- An area was considered to be wetland in the Joint Application (Wetland O30-W5); however during a recent visit, it was determined to be upland. This area occurs between Structures 121965 and 121966 (refer to EAP page O-11).
- The boundary of Wetland O(30)-W6 (EAP pages O-14 and O-15) was adjusted in three ways: to add a drainage ditch along the Beltline Highway in the eastern portion of this feature (near Structure 121982), to show the 2 existing culvert crossings within this feature, and to refine the wetland boundary near the southern extent of the ROW.

Wetlands outside of the transmission line ROW were evaluated primarily based on Wisconsin Wetland Inventory data and aerial photo review.

Three structures (#121930 and 121931 on EAP page O-5, and 121982 on EAP page O-15) will be located in wetlands along Segment O which is less than the approved amount in the Utility Permit (9 structures were approved). This reduction is due to re-spanning of poles during final design.

Up to 2 TCSBs will be required along Segment O (Segment O, Appendix A), which is two fewer than what was approved in the Utility Permit for this segment.

Approximately 0.16 acres of forested wetland clearing will be required along Segment O. The amount of forested wetland clearing along this segment is less than identified in the Joint Application. Aerial photo interpretation was used to conservatively estimate the amount of forested wetland for the Joint Application. Based on field verification, some of the area previously identified as forested is actually shrub-carr and therefore not included in the 0.16 acres.

ATC's construction access through wetlands along Segment O (as shown on the EAP) is similar to what was presented on the *Environmental Features and Access Plan* in the Joint Application, and is shown on the EAP.

The configuration of some of the wetlands along this segment does not allow ATC to feasibly reduce the extent of construction access in these wetlands.

Construction matting may be used to facilitate access in wetlands. The table below identifies a conservative estimate of matting quantities in each wetland.

Wetland Identifier	Approximate square footage of mats		
O(120)-W1	3,600		
O(120)-W2	2,800		
O(120)-W3	21,400		
O(30)-W1	17,600		
O(30)-W2	17,000		
O(30)-W3	23,200		
O(0A)-W2	1,000		
O(0A)-W3	1,200		
O(30)-W8	30,400		
O(0A)-W4	2,600		
O(30)-W4	3,600		
O(30)-W4a	4,200		
O(0A)-W1	4,000		
O(30)-W6	16,400		

Additional measures to minimize wetland and waterway impacts along Segment O are outlined in other sections of this CMP (e.g. *Invasive Species Management Plan, Final Wetland Restoration and Revegetation Plan,* etc.) and will be provided in the Erosion Control Plan for this segment.

B. Photographs of Pre-Construction Site Conditions (Wetlands and Waterways)

Pre-construction photographs of wetlands along the Segment O ROW, and waterways where TCSBs are required are provided in Segment O, Appendix B.

C. Waterway Crossings

Two TCSB crossings will be required along Segment O at locations shown on the EAP. Final plan and cross-sectional view drawings for each TCSB crossing are provided in Segment O, Appendix C. In addition, General Condition #60 of the Utility Permit indicates the TCSBs should incorporate measures to

minimize the amount of soil entering the waterway. A drawing showing typical debris containment to be used for all TCSBs is provided in Segment O, Appendix C.

Clearance Waiver

General Condition #56 of the WDNR Utility Permit indicates: *All bridges across navigable waterways* shall either maintain a clearance of not less than 5 feet, or comply with requirements of s. NR 320.04, *Wis. Admin. Code*. Wis. Admin. Code Chapter NR 320.04(3) indicates the department may allow less than 5 feet of navigation clearance when all of the following apply:

- The waterway is known to have little or no navigation or snowmobile use;
- The waterway is not anticipated to have navigational use by other than lightweight craft;
- The owner provides a portage over or around the bridge or culvert; and
- The reduced clearance would not be detrimental to the public interest.

ATC would allow a portage over or around a bridge if necessary; however given the stream dimensions and location of these two crossings, it is unlikely these waterways are utilized by watercraft. ATC believes the other conditions specified in Wis. Admin. Code Chapter NR 320.04(3) are met at each waterway crossing and therefore, a five-foot clearance is not required at any of the two TCSB locations.

Fishery Waiver

General Condition #54 of the WDNR utility permit indicates that: *All bridges must be placed and removed in compliance with timing restrictions, unless authorized by the local DNR fisheries biologist.....*On all waterways that are not trout streams, placement and removal of the bridges is prohibited March 15 through May 15, annually. Neither of the bridges along Segment O will be placed over trout streams. ATC requested and received a waiver of this timing restriction from Kurt Welke, DNR Fisheries Manager for each of these two TCSBs (Segment O, Appendix D).

D. Endangered Resources Plan

ATC evaluated the potential for rare species to be present along Segment O as part of the Joint Application. This evaluation included review of WDNR Natural Heritage Inventory (NHI) data, in-field habitat characterizations and/or field surveys in representative areas. Extensive coordination with the WNDR was conducted throughout this period. Based on this evaluation, vegetation clearing at the Cardinal substation property is restricted during the nesting season (mid-April through August). There are no other rare species restrictions on Segment O. If it is subsequently determined that a rare species is present along this segment, ATC will undertake appropriate protection measures in coordination with the WDNR and/or USFWS.

E. Invasive Species Management Plan

Segment O is located entirely along the Beltline Highway and Highway 14 corridors. Along the majority of this segment, the corridor is developed with few natural communities present. Development is less

common at the west end of Highway 14 and land cover along the ROW is a mix of woodlands, upland fields, wetlands and agricultural land. Dominant vegetation within the Segment O ROW was documented during field evaluations in 2006, 2010 and 2011.

All vegetative communities along this segment are degraded to some degree by fragmentation from the highway and other developments, and invasive species are commonly present. Common buckthorn (*Rhamnus cathartica*), honeysuckle (*Lonicera* spp.), wild parsnip (*Pastinaca sativa*), garlic mustard (*Alliaria petiolata*) and Canada thistle (*Cirsium arvense*) (all of which are "Restricted" species as defined in *Wis. Admin Code* Ch. NR 40) were observed in various wetlands along this segment. Reed canary grass (*Phalaris arundinacea*) is also dominant in most of the wetlands and reed grass (*Phragmites australis*) (a "Restricted" species) is present in wetland O(30)-W3 (EAP page O-5). Several of the previously mentioned invasive species, and other weedy herbaceous species, are common in upland areas along the corridor. This includes garlic mustard, which was commonly observed in upland wooded areas, and Japanese knotweed (*Polygonum cuspidatum*), (a "Restricted" species), which is present in two localized areas along the segment (EAP pages O-6 and O-15).

The following location-specific and general BMPs will be utilized during construction along Segment O to comply with *Wis. Admin code* Ch. NR 40 and ATC's Summary of Environmental Commitments for the Rockdale to West Middleton Project. The intent of these practices is to limit the spread of invasive species; however, since invasive species are common throughout the ROW the primary focus will be to limit the spread outside of the project ROW, with a location-specific focus on limiting the spread of *Phragmites* and Japanese knotweed since it is not as prevalent within the ROW.

Location-Specific BMP's

As discussed, *Phragmites* is present within wetland O(30)-W3 (EAP page O-5) and Japanese knotweed occurs in two localized upland areas (EAP pages O-6 and O-15). These areas will be marked in the field so that vehicles traveling the ROW can avoid contact, if possible. If these areas cannot be avoided, all vehicles will be inspected prior to leaving the areas and cleaned using brushes or compressed air. If mats are used to provide a barrier, vehicles travelling completely on the mats will not require inspection or cleaning. When mats are removed, they will be inspected and soil and plant parts will be removed.

General BMP's

- Construction equipment and material
 - Minimize soil disturbance and utilize roads or established equipment access paths to the extent practicable.
- Managing soil and material
 - Avoid movement of invasive material to non-infested areas. If possible, invasive material should be left within the ROW. For example, when clearing areas containing

- honeysuckle or buckthorn shrubs, cut material should be left in generally the same place and not spread off-site or to uninfested areas.
- If infested soil or vegetative material must be transported from the ROW, transport to a
 designated area for appropriate disposal. Prior to transporting material, manage the
 load to limit potential spread to uninfested areas.
- o Manage stockpiles onsite to prevent the spread to adjacent areas.

Restoration and landscaping

- Select appropriate species for restoration and landscaping activities. Invasive species should not be used for revegetation purposes.
- Revegetate disturbed soils as soon as possible to minimize invasive species establishment.
- o In areas where topsoil has been segregated and stored on-site (i.e. wetlands), the segregated topsoil should be re-spread around the installed pole foundation, with minimal mounding. Note that an approximately 6-inch height of mounding is needed for caisson foundations, and 12 inches for direct embed, to prevent a depression subsequent to soil settling.

F. Wetland Restoration and Revegetation Plan

A general summary of wetland community characteristics within this segment is presented in Segment O, Appendix E. This characterization is based on field observations from 2006, 2010 and 2011. In general, the majority of wetlands along this segment are degraded wet meadows dominated primarily by reed canary grass. Several wetlands have a shallow marsh component with cattail (*Typha* spp.) and river bulrush (*Bolboschoenus fluviatilis*) common. In addition, a portion of wetland O(120)-W3 is forested with quaking aspen (*Populus tremuloides*) commonly present in the overstory.

The following provides guidelines for wetland restoration and revegetation for Segment O:

Restoration / Revegetation

- Restoration within wetland areas will include removal of all construction-related materials, and the restoration of significant ruts and depressions.
- In wetland areas where disturbance is minimal, access paths and structure locations will generally be allowed to regenerate naturally. These locations will be monitored to ensure regeneration is occurring.
- Segregated topsoil in wetlands should be re-spread around the installed pole foundation.
- The right of way should be restored to pre-existing topography as much as practicable.
- If significant rutting occurs in wetlands, those areas will be repaired using hand tools, back dragging or other appropriate means to restore topography.

- If necessary, disturbed areas within wetlands may be seeded with an annual rye grass or common oats to provide temporary cover while the vegetation regenerates.
- If additional seeding is necessary (beyond the use of temporary cover seeding), only seed mixes approved by the ATC Environmental Monitor shall be used (refer to Segment O, Appendix F for a typical wetland seed mix used by ATC) and the seeding will be consistent with the following standards:
 - Seed mixtures shall be selected based on soil and site conditions and intended final use, with approval by the ATC Environmental Monitor;
 - Seed mixes will conform to Wisconsin Statutes Chapter 94 and the Wisconsin Administration Code Chapter ATCP 20;
 - Seed will be uniformly applied and incorporated into the top one inch of soil;
 - o No invasive or exotic species shall be included in the seed mixture; and
 - o No mulch will be applied in wetlands or on the banks of waterways.

Other / Miscellaneous

- Fertilizers will not be used within 100 feet of wetlands, streams and rivers.
- Cover such as erosion blankets or other weed-free devices may be applied after seeding and final restoration has occurred in wetland areas disturbed by construction activities. All erosion control measures taken will conform to WDNR Technical Standards.
- Soil erosion and sedimentation control measures installed will be maintained until the disturbed areas are permanently stabilized.

G. Wooded Wetland Management Plan

Wetland O(120)-W3 is the only wooded wetland that will be impacted by construction along Segment O. In general, the entire ROW width will be cleared for safe construction equipment access in wooded areas; however, adjacent to waterways a 50-foot wide low-growth vegetative buffer will be allowed to remain, where it currently exists. Mowing will be restricted in this buffer, which will minimize the impacts to these wooded wetlands.

Large tree trunks cut in wetland areas will be removed from the wetland. Some of the woody vegetation that is cleared may remain in the wetland areas. This includes lop and scatter of tree limbs and potentially some thin scatter of wood chips, and vegetation fragments resulting from mowing the shrub and sapling layer. Woody vegetation left in the wetland will be scattered in a manner that it does not impede vegetation growth, water flow or alter the bottom elevation of the wetland.

H. Wooded Riparian Buffer Impact Minimization and Restoration Plan

A 50-foot wide low-growth vegetative buffer will be maintained along waterways, where it currently exists. In this buffer, mowing will be restricted and woody vegetation attaining heights greater than 15 feet at maturity will be cleared; the existing low-growth vegetation will be allowed to remain except in

areas where TCSBs will be installed. Areas disturbed by construction will be re-seeded as described in the *Wetland Restoration and Revegetation Plan* section.

Cut material shall be placed to assure that the material will not enter any stream or waterway.

I. Final Sequencing and Scheduling Plan

ROW clearing for construction along Segment O is scheduled to begin in March 2012. The following summarizes the anticipated timing of construction along this segment:

- ROW clearing March 2012-Nov. 2012
- Permanent Barrier installation April 2012
- Structure Foundations July 2012-Jan. 2013
- Install Structures Aug. 2012-Feb. 2013
- Install Conductor Oct. 2012-Feb. 2013

ROW cleanup and restoration is scheduled to occur in fall 2012 in areas where construction has been completed, and spring 2013 in all other areas. Actual dates for restoration will be weather and schedule dependent. Permanent restoration within any given area will be properly implemented within 30 days of final construction. If restoration is delayed due to weather or soil conditions, the area will be protected until permanent restoration can be completed.

Temporary clear span bridges will be installed as construction progresses along the segment. Bridges will not be set prior to July 2012, and are anticipated to be removed in winter/spring 2013 following restoration. The actual removal date may change if there are delays in construction and/or restoration.

J. Post-Construction Monitoring Plan

Two levels of wetland and waterway monitoring will be required for this project. The following provides a summary of this monitoring.

Weekly Monitoring

In accordance with typical standard conditions of an Erosion Control permit, ATC will conduct frequent monitoring (e.g., weekly and after a significant rainfall event) of erosion and sediment controls during and after construction, which may include areas within and adjacent to wetlands and waterways. This monitoring will occur until the areas are stabilized as defined in General Condition #76 in the Utility Permit.

Annual Monitoring

ATC will conduct annual post-construction monitoring of the portions of wetlands and waterways impacted by construction, as outlined in General Condition #78 of the WDNR Utility Permit. The monitoring will consist of documenting vegetation types and approximate percent cover in the disturbed areas. The monitoring will occur during the growing season and will be conducted annually

for 3 years after construction unless compliance is achieved and documented earlier. If non-native or invasive species identified in the post-construction survey are generally not consistent with adjacent areas and/or pre-construction conditions, ATC will prepare a remediation plan for WDNR approval. This plan will be implemented within 90 days of WDNR approval (if the approval occurs early in the growing season), or during the following growing season, whichever occurs first. Additional follow-up revegetation procedures will be developed and implemented in problem areas if necessary.

A restoration monitoring report will be submitted to the WDNR by December 15 for each year in which monitoring occurs in accordance with General Condition #26 of the WDNR Utility Permit. The report will consist of a summary of dominant vegetation, approximate percent cover and general topography observations in disturbed portions of wetlands and waterways. Photographs of each feature and recommendations to cease monitoring or apply corrective action (if necessary) will also be provided.

K. Oak Wilt Restrictions

ATC's corporate policy is to abide by the PSC 113.051 requirements related to oak wilt, however we are also aware of the WDNR recommended guidelines for timing restrictions. ATC makes every attempt to follow the WDNR recommended guideline that is typically April 1-July 31, using the PSC 113.051 requirements during this timeframe. In addition, where local municipalities have more stringent requirements, ATC attempts to comply with those requirements. Portions of Segment O are located within the City of Madison, which has a moratorium on oak activities from April 1 through October 15, unless permitted by the City Forester. Other portions of Segment O are located within the City of Middleton, which prohibits oak activities from April 1-August 1, unless approved by the City Forester. On these portions of Segment O, ATC will either ensure that oak tree trimming /removal is done outside of the restricted time periods, or will work with the City Foresters to gain the necessary approval if it becomes necessary to trim or remove oak trees during the restricted time period.

The Memorandum of Understanding between ATC and the Wisconsin Department of Transportation (WisDOT) further requires that oak trees within WisDOT ROW shall not be cut or pruned from April 15 to October 15 unless a thick coat of asphalt base tree paint of herbicide is applied immediately after **any** cut, pruning wound, or abrasion made between those dates (note: herbicide use as a substitute for tree paint is allowed under PSC 113.0511. WisDOT has approved this substitute on an experimental basis, but reserves the right to revoke herbicide use if it is not providing adequate protection against the spread of oak wilt disease).

Segment O, Appendix A

Environmental Access Plan

Environmental Access Plan – Segment O

Graphic Index for Rockdale to West Middleton Project

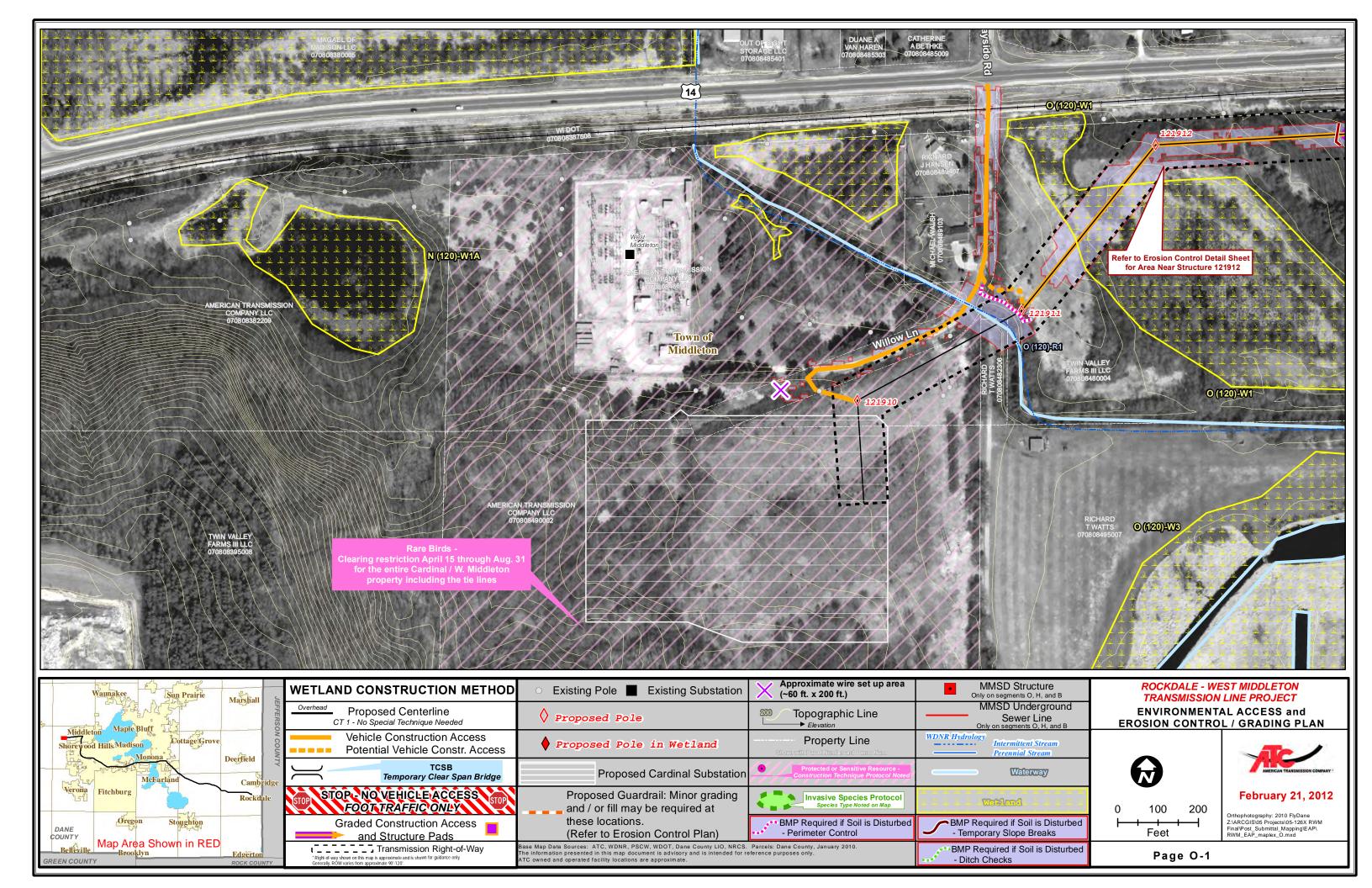
SEGMENT HIGHLIGHTS

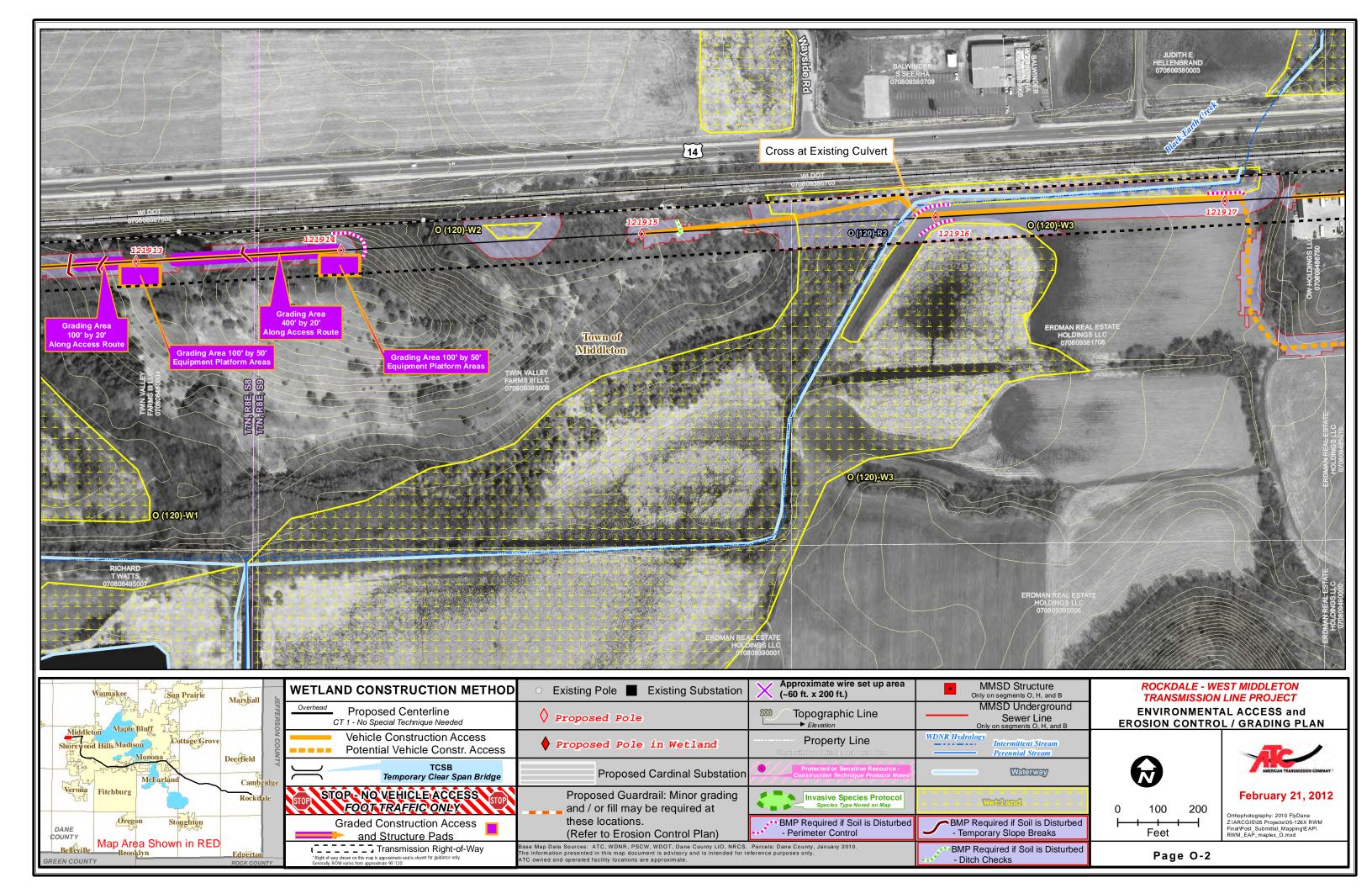
- 2 Temporary Clear Span Bridges will be required over waterways
- Three poles will be constructed in wetlands along Segment O (#121930 in wetland O(30)-W2, #121931 in wetland O(30)-W3 and 121982 in wetland O(30)-W6).
- Bird marking devices will be installed on the shield wire between structures #121926 and #121928 (Pages O-4 and O-5).
- Invasive Species Caution: Invasive species' locations are identified on pages O-5, O-6 and O-15 of this plan. Refer to these pages for instructions on how to proceed in these areas.
- Soil Contamination Caution: A contaminated soils area with special containment and disposal requirements is identified on Page O-6 of this plan. Contact the Environmental Monitor for more information before working in this area.
- Four locations along this segment have erosion control details specified in the Erosion Control Plan. These areas are identified on this plan.

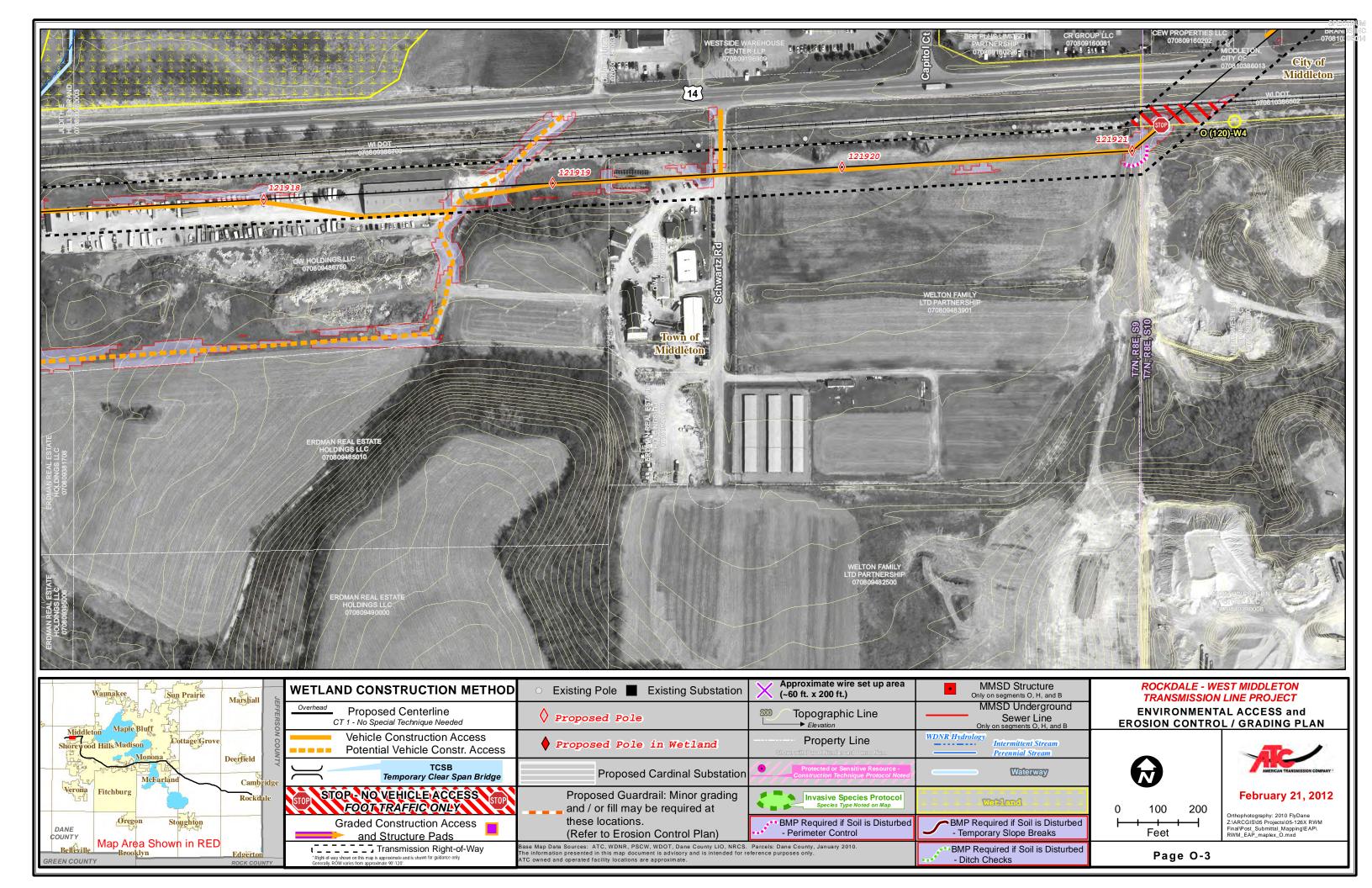
INDEX TO FEATURES

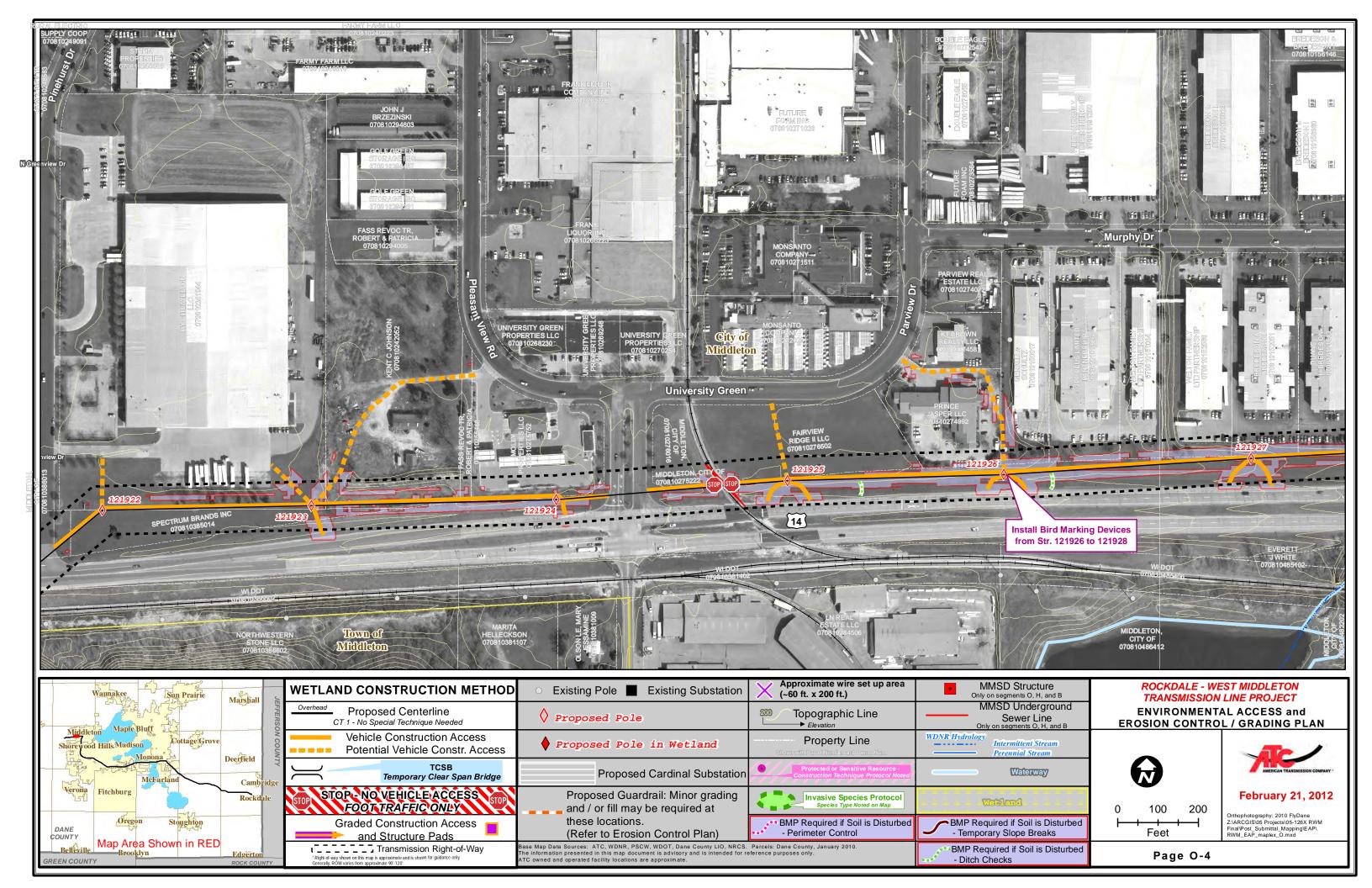
FEATURES INDEX				
Wetland Identifier	Waterway		Map Page	
	Identifier	TCSB		
O(120)-W1	O(120)-R1		0-1	
O(120)-W2			O-2	
O(120)-W3	O(120)-R2		0-2	
O(30)-W1	O(30)-R1	X	O-5	
O(30)-W2	O(30)-R1		O-5	
O(30)-W3			O-5	
O(0A)-W2			O-5	
O(0A)-W3			O-5	
O(30)-W7			O-6	
O(30)-W8			O-6	
O(0A)-W4			O-6	
	O(30)-R2	Х	0-7	
O(30)-W4			O-7 and O-8	
O(30)-W4A			O-8	
O(0A)-W1			O-11 and O-12	
O(30)-W6			O-14 and O-15	
	O(30)-R3		O-15	

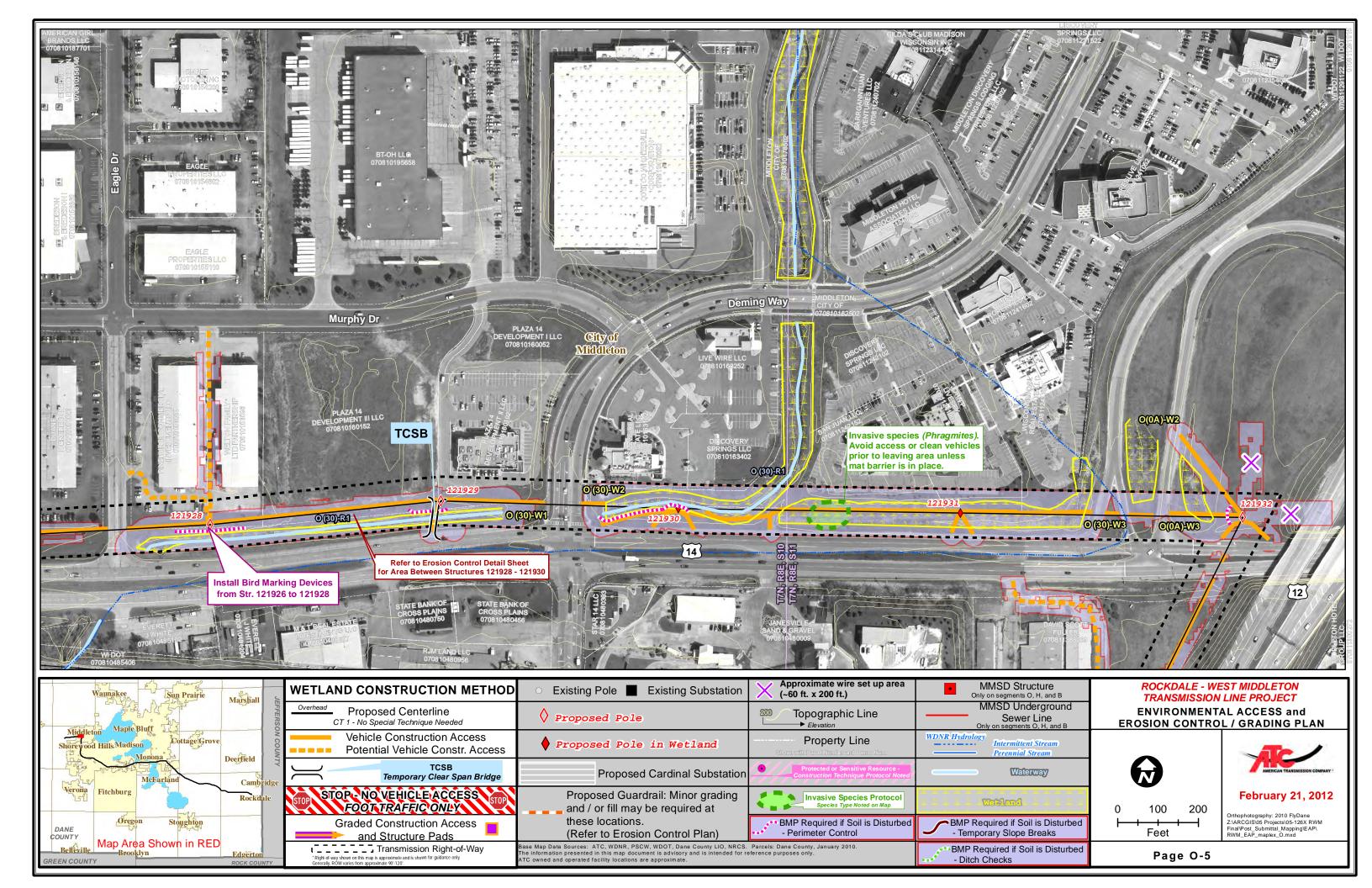


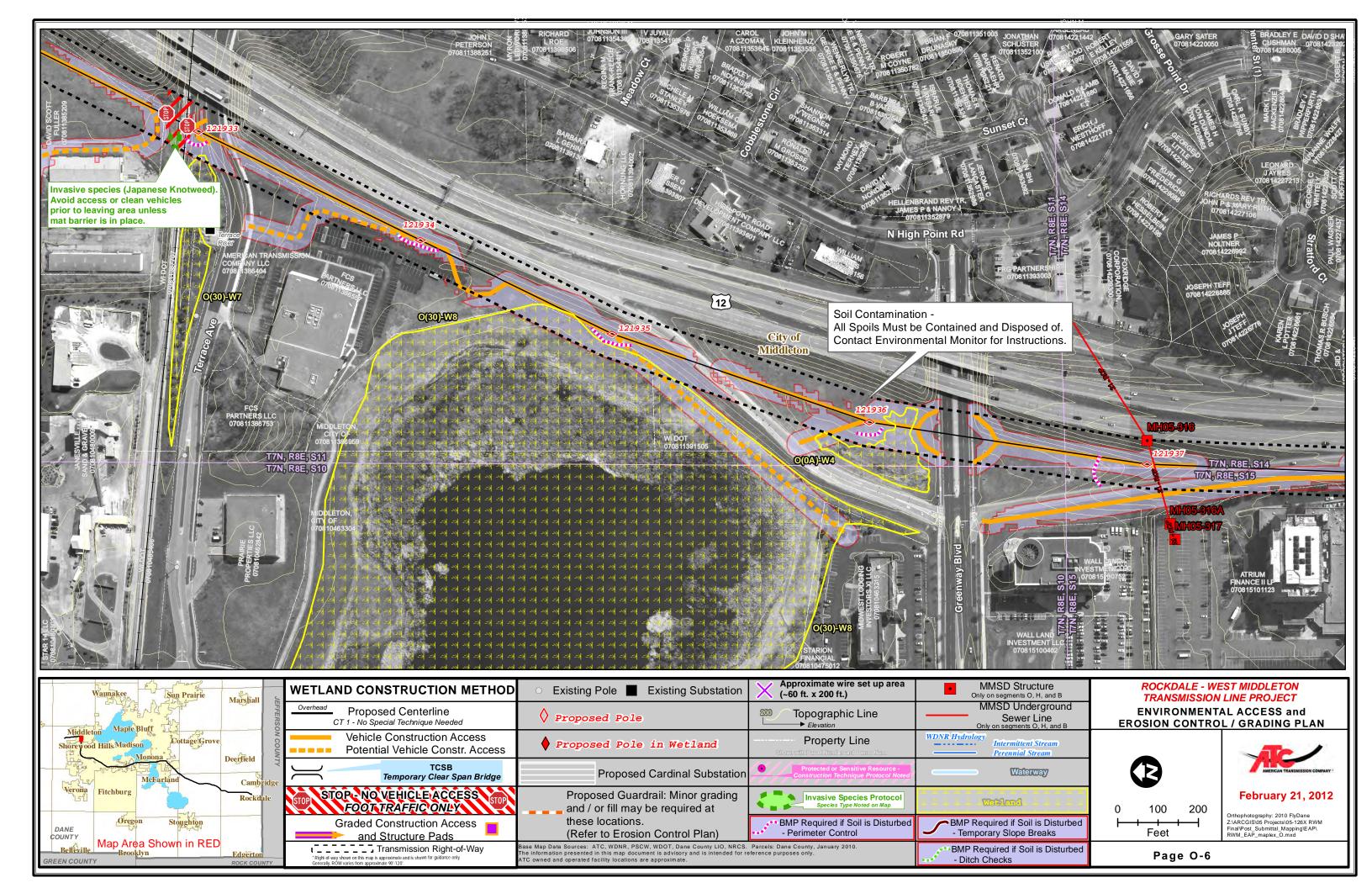


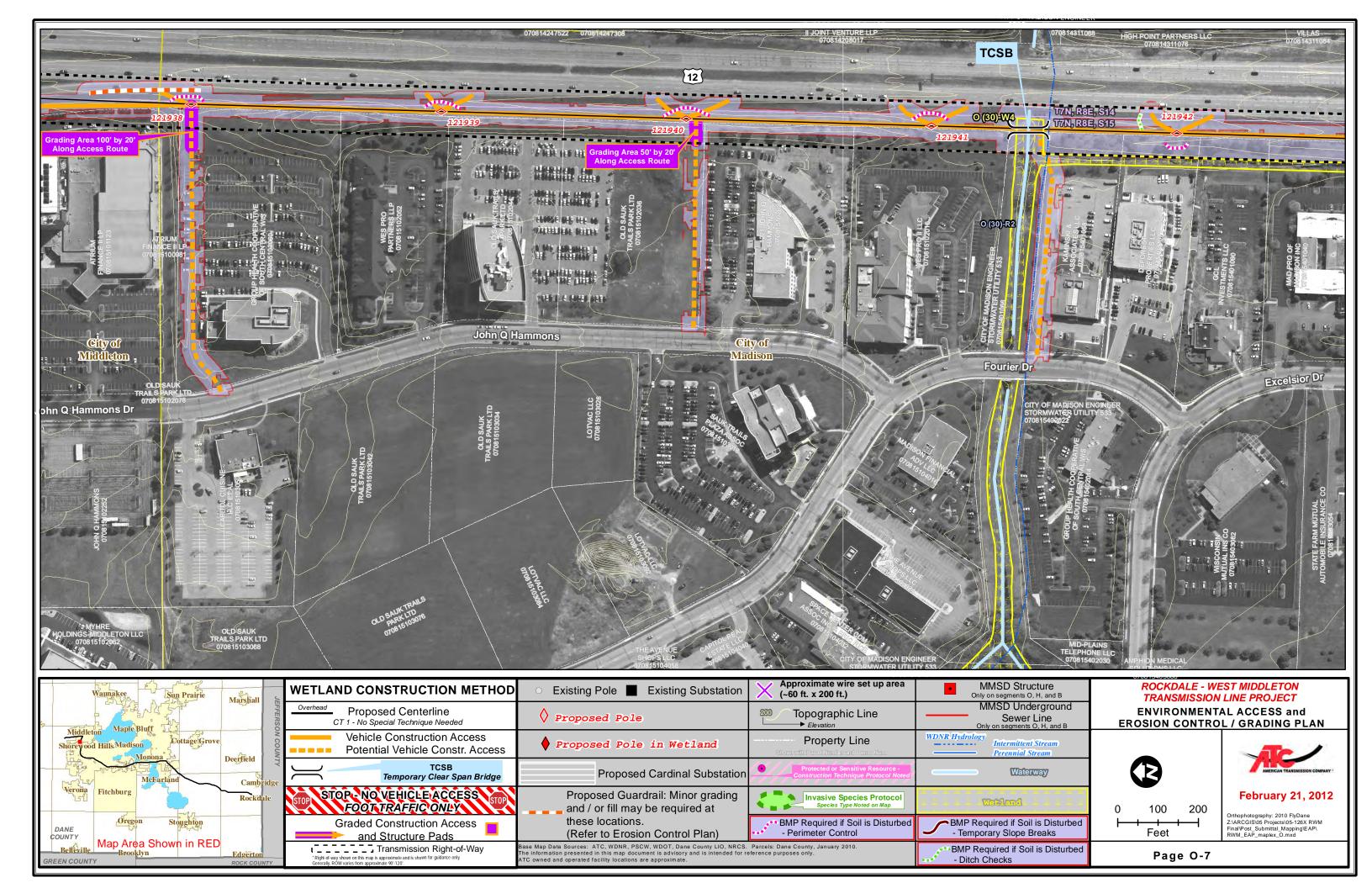


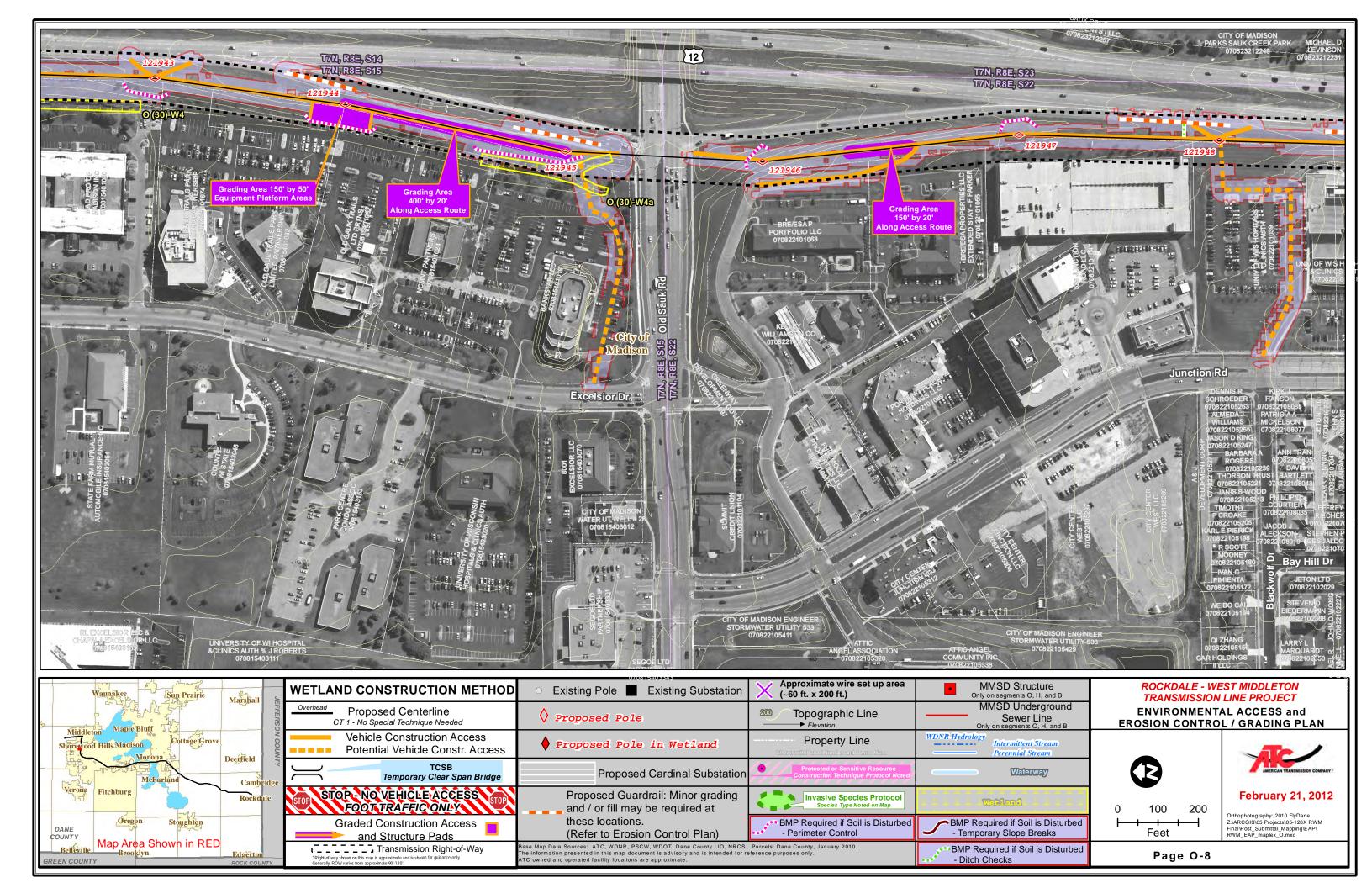


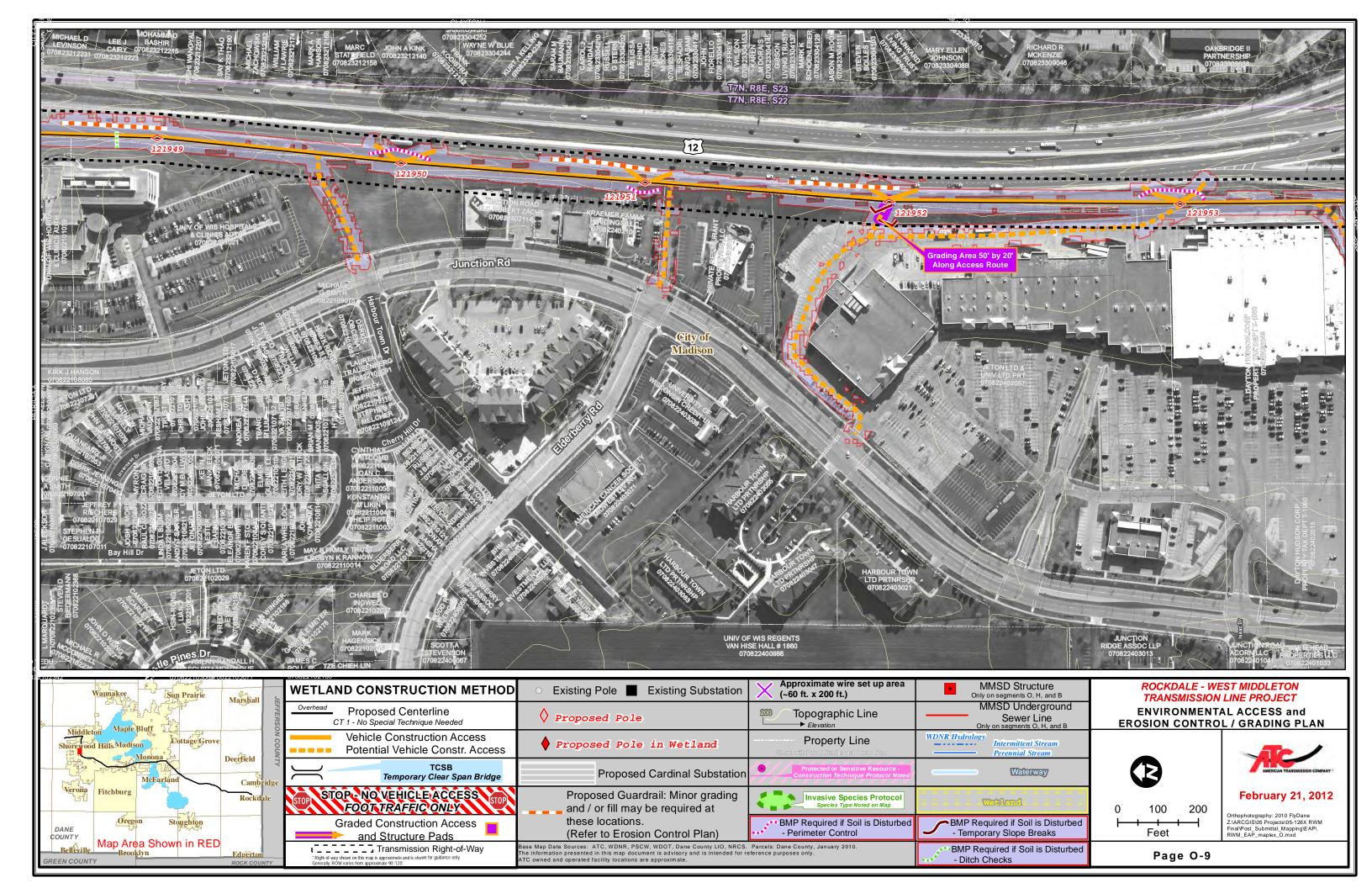


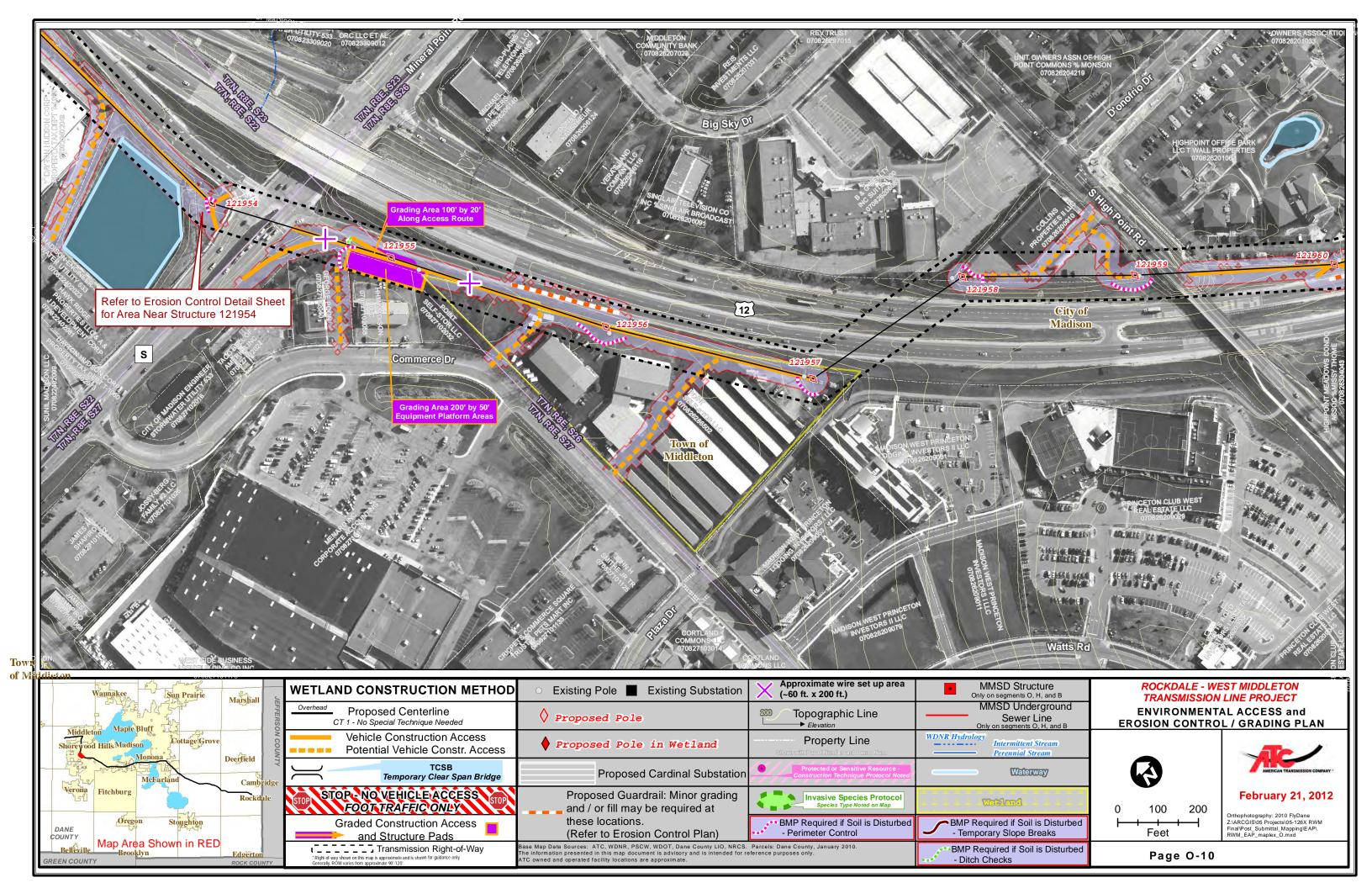


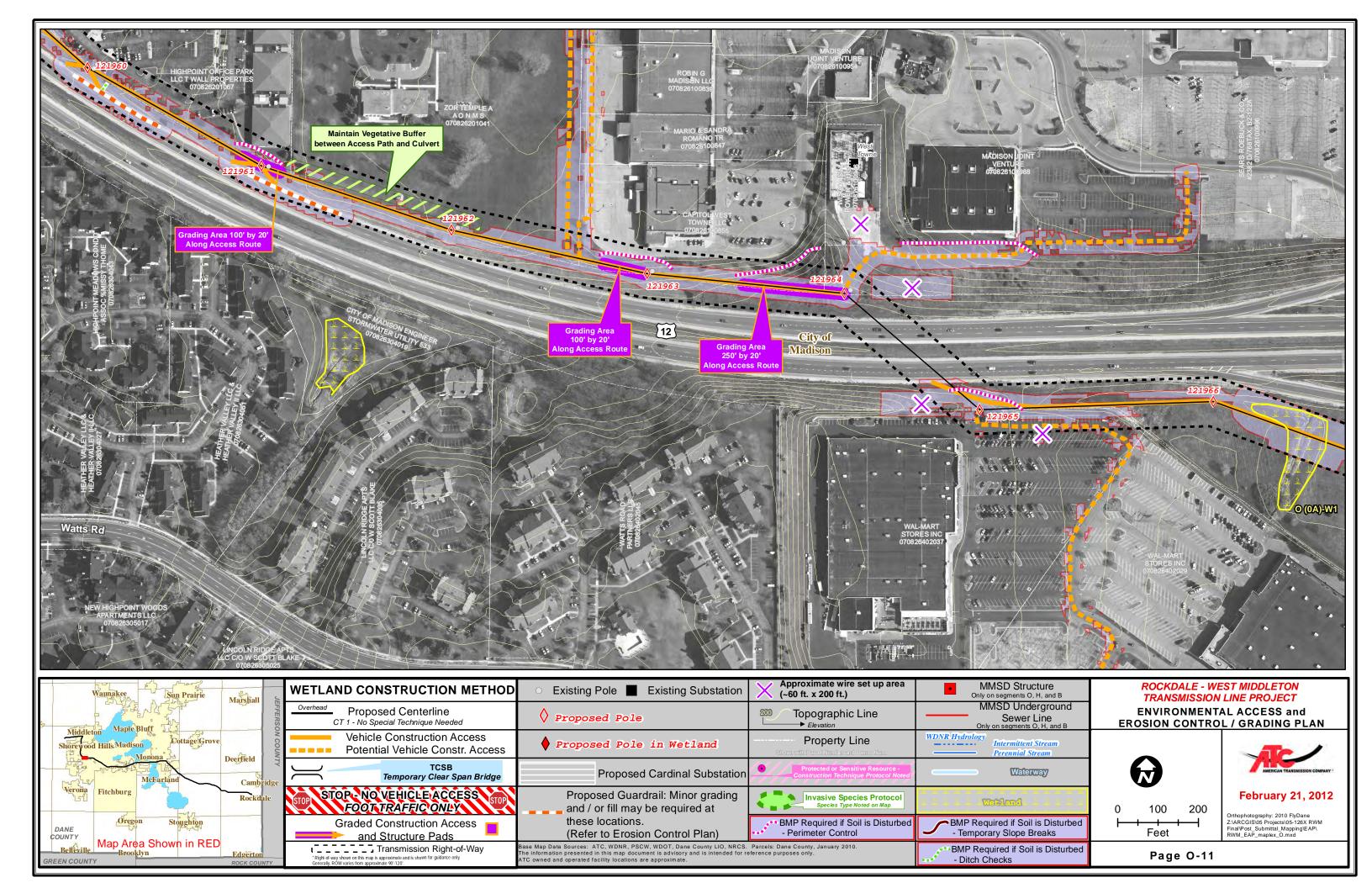


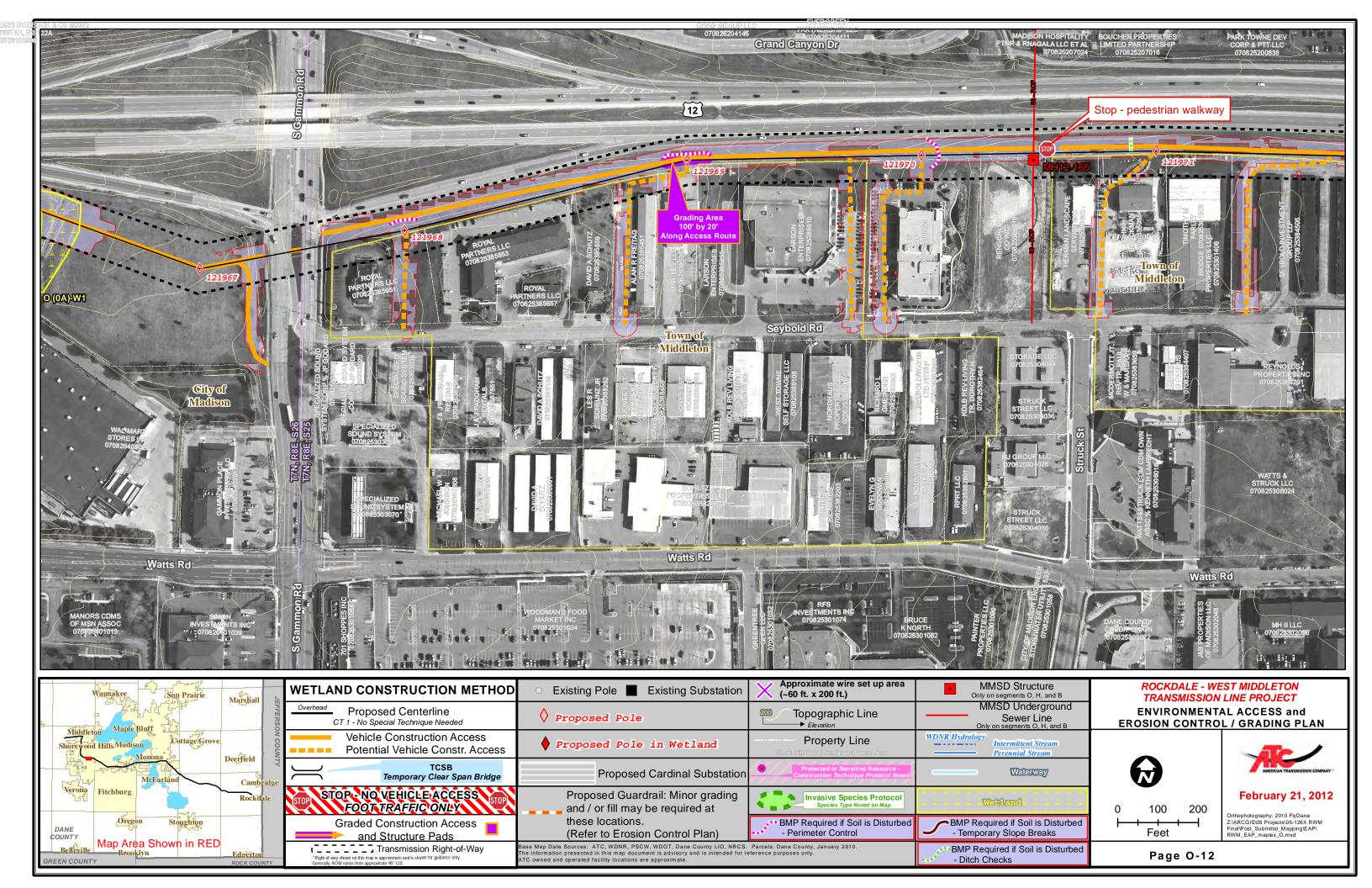


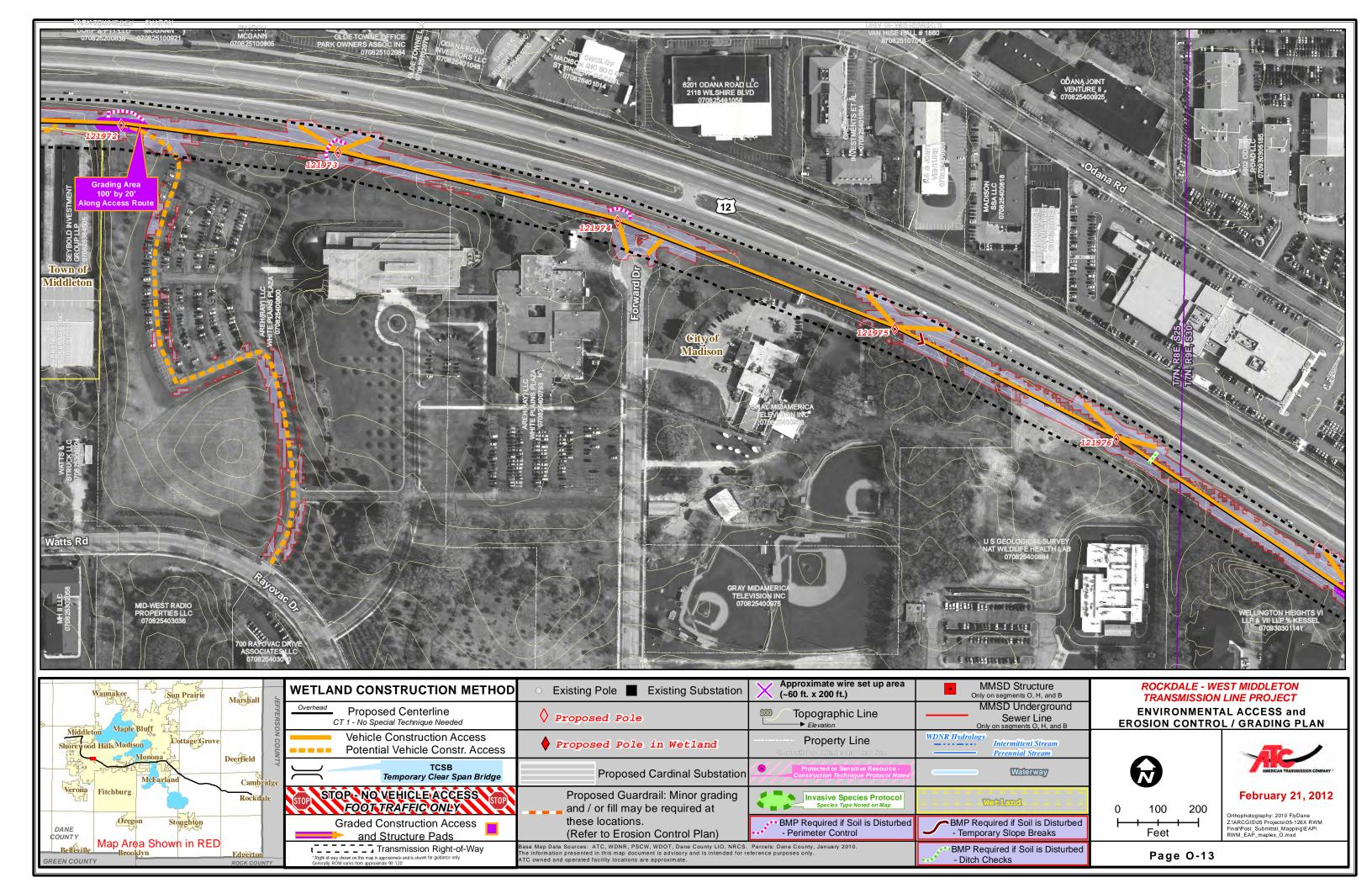


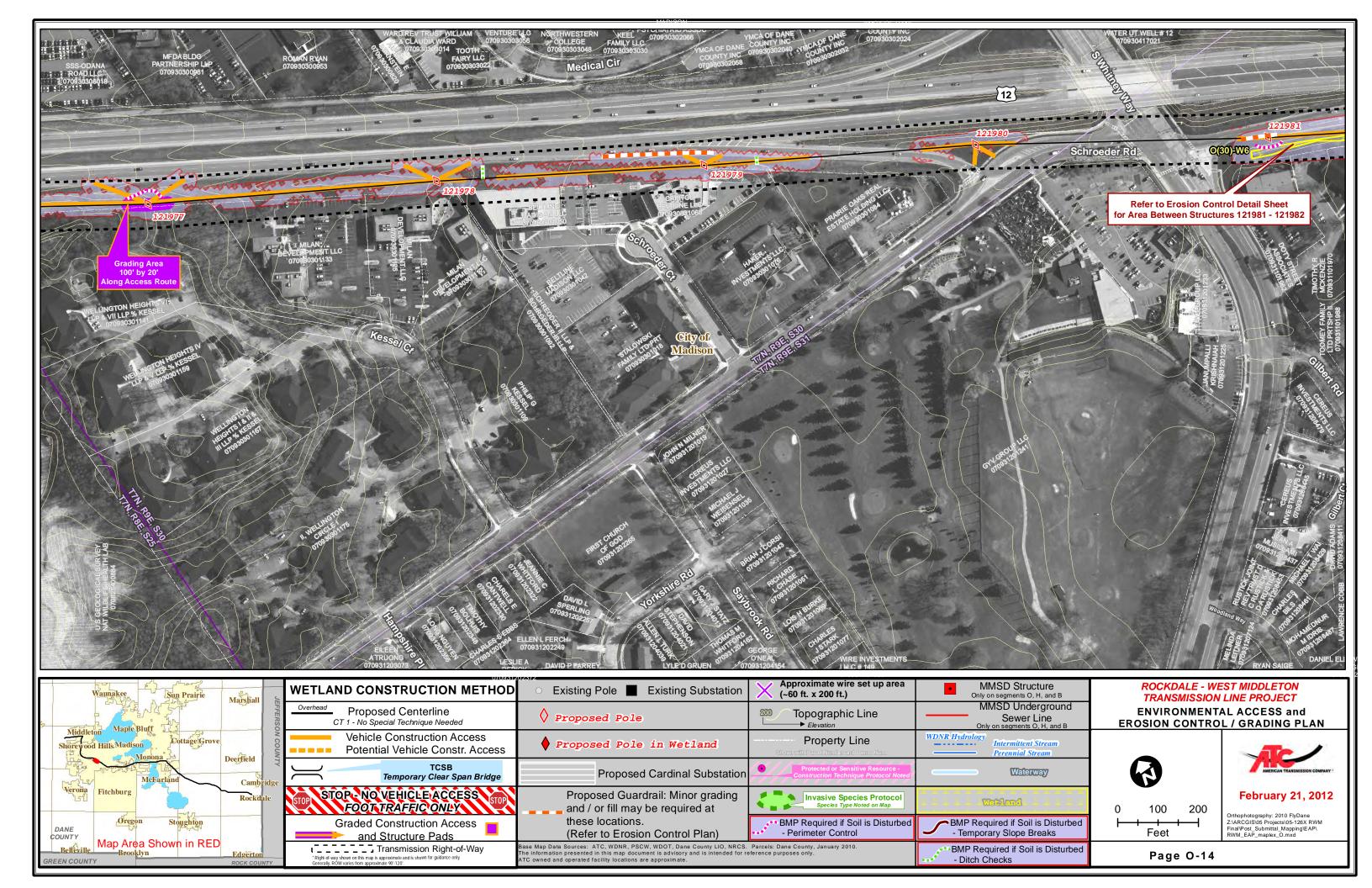


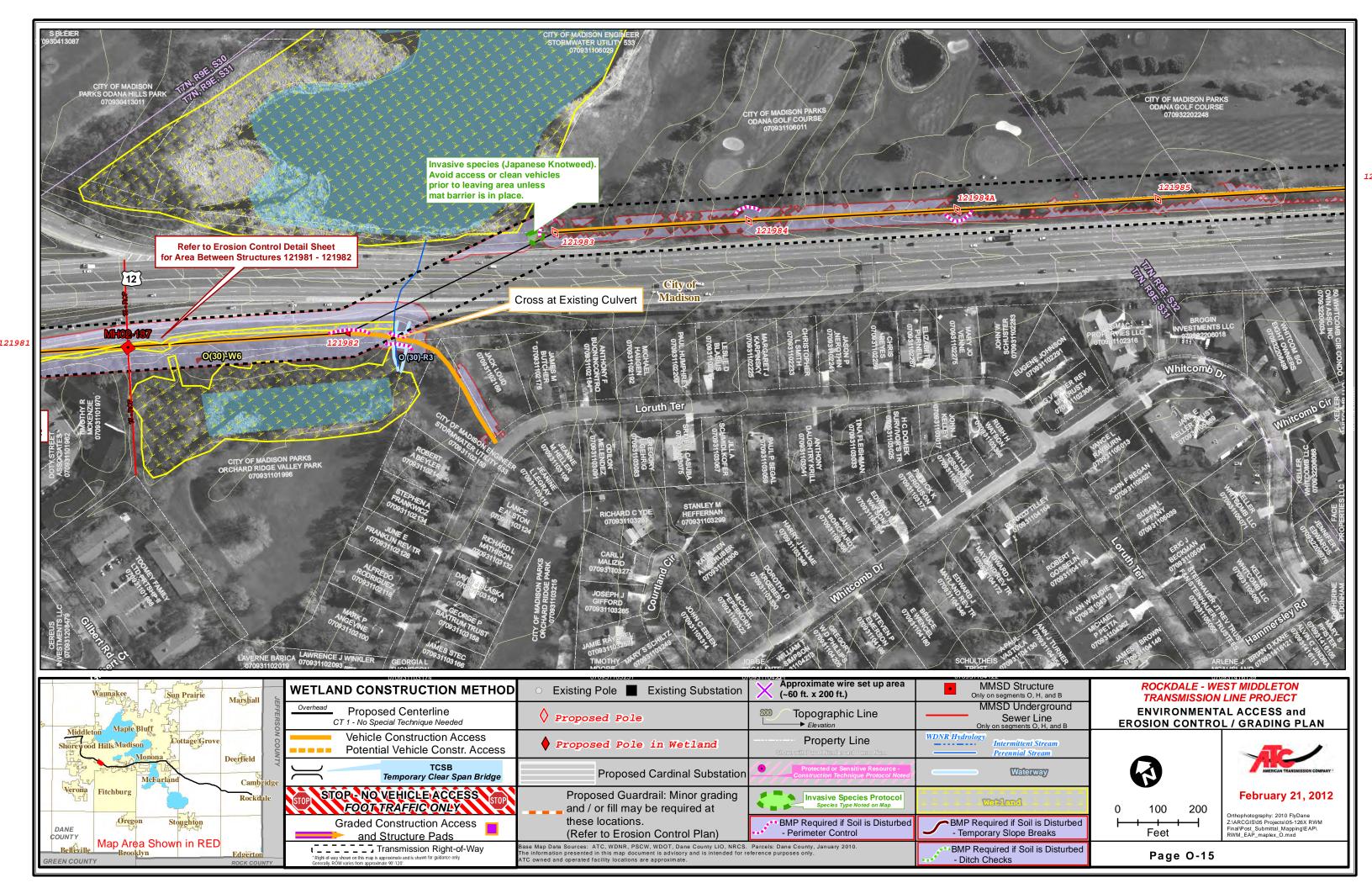


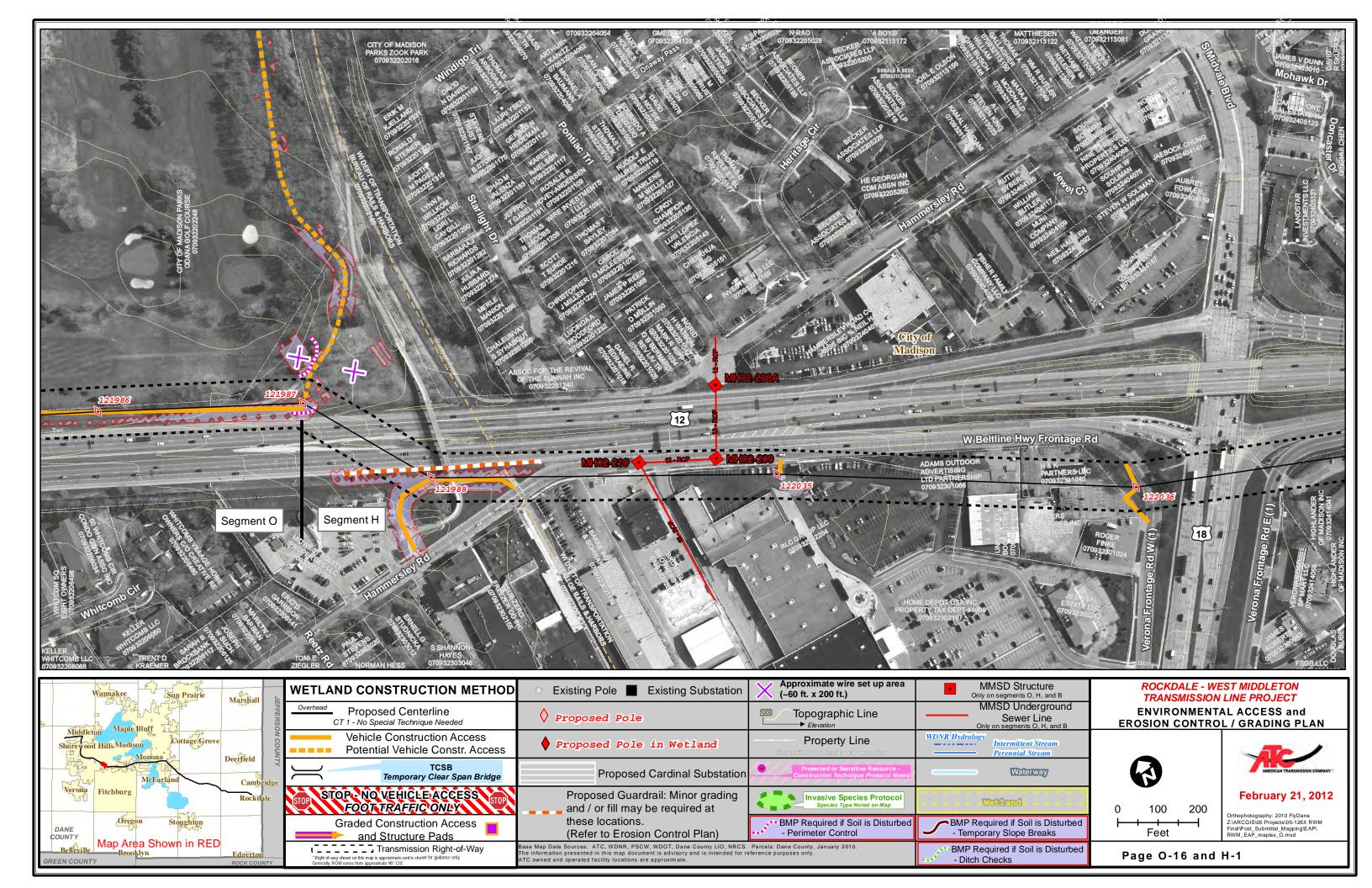












Segment O, Appendix B

Photographs of Wetlands and Waterways



Photo 1. View north of O120-W1



Photo 3. View south of O120-W2



Photo 2. View south of O120-W1



Photo 4. View west of O120-W3 from east end



Photo 5. View west of O30-W1 (and O30-R1) from east end



Photo 7. View east of O30-W3 from west end



Photo 6. View east of O30-W2



Photo 8. View north of O0A-W2



Photo 9. View north of O0A-W3



Photo 11. View west of O30-W8 (pink stake is location of structure 121935)



Photo 10. View west of O30-W7



Photo 12. View east of O0A-W4



Photo 13. View east of north end of O30-W4



Photo 15. View south of O0A-W1



Photo 14. View south of south end of O30-W4a



Photo 16. View east of O30-W6 near west end



Photo 17. View west of ditch portion of O30-W6 near east end

Photographs of Segment O Waterways Requiring a TCSB



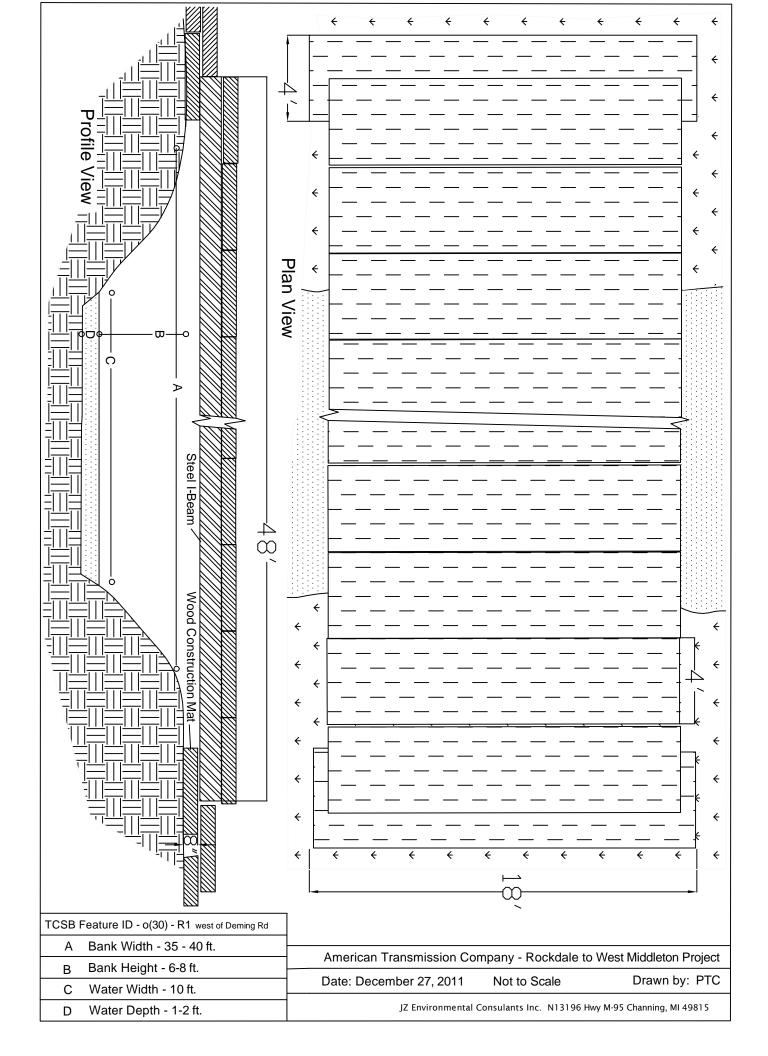
Photo 18. View east of waterway O30-R1

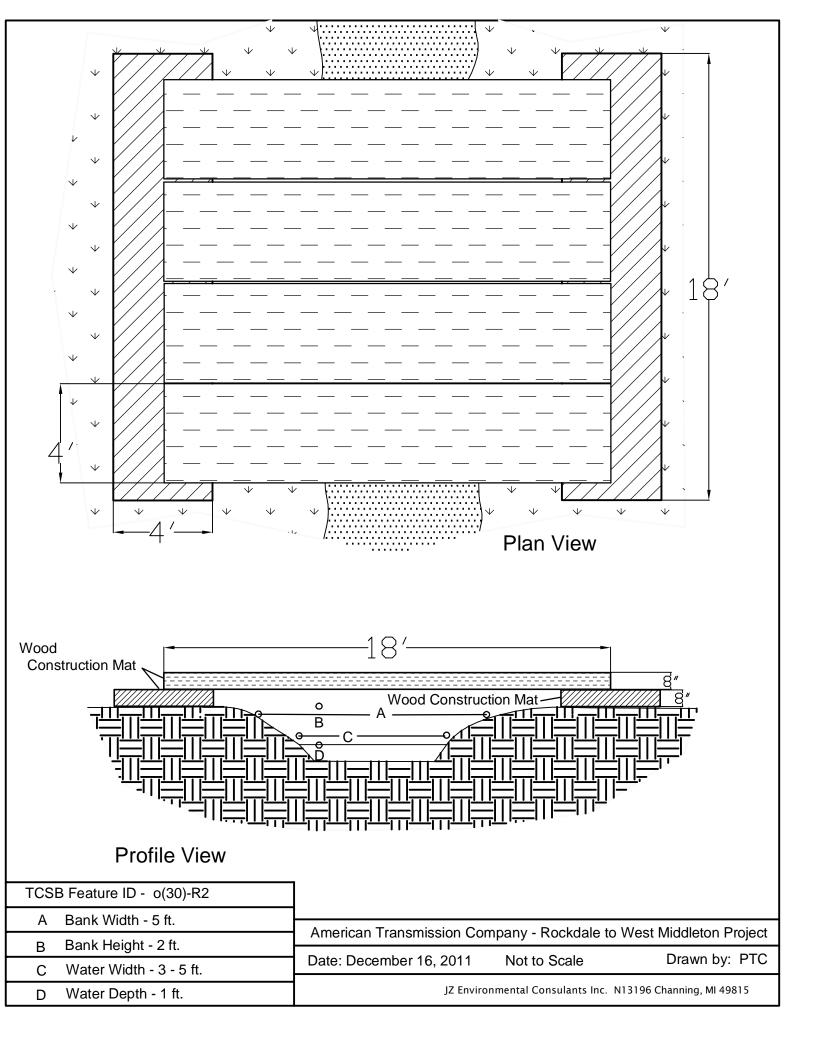


Photo 19. View east of waterway O30-R2

Segment O, Appendix C

TCSB Plan and Profile Figures





Segment O, Appendix D

Approved Waivers of Seasonal Limitations for TCSB's

Request Form for Waiver of Construction Season Limits in Waterway General Permits

This form shall be used to request a waiver from the time period restrictions in NR 320 through NR 345, Wisconsin Administrative Code, for applicable projects that qualify for a General Permit under Chapter 30, Wisconsin Statutes. The completed waiver form shall be submitted with any General Permit application where the applicant seeks a waiver from the applicable permit conditions that places time period restrictions on the project. The Department signature on this form only waives the time period restrictions, and does not constitute a permit, approval, or other concurrence with the proposed project.

Applicant Name:american transmission company
Proposed Project: ROCKDALE TO WEST MIDDLETON TRANSMISSION LINE
Project Location: NW 1/4, SE 1/4, Section 10, Town 7 N, Range 8 E/W
Name of Waterbody:UNNAMED TRIBUTARY TO PHEASANT BRANCH CR., O(30)-R1
County of Waterbody:
Halle
FOR DNR USE ONLY
The applicant listed above has consulted with me about their proposed project in navigable waters. Based on their project description, plans and other existing information available to find that:
 there is suitable habitat at or near the proposed project, or there may be an impact on spawning fish or spawning activities.
Or
there is no suitable habitat at or near the proposed project, or there will be no impact on spawning fish or spawning activities.
Consequently, the time period restrictions of the applicable administrative code are/are not (circle one) necessary to protect fish spawning for the proposed project and I approve/disapprove (circle one) this waiver.
Signed by:
Department Fisheries Biologist 1-26-12 Date

me, I

Request Form for Waiver of Construction Season Limits in Waterway General Permits

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Applicant Name: AMERICAN TRANSMISSION COMPANY
Proposed Project: ROCKDALE TO WEST MIDDLETON TRANSMISSION LINE
Project Location: NE 1/4, SE 1/4, Section 15, Town 7 N, Range 8 E/W
Name of Waterbody:UNNAMED TRIBUTARY TO PHEASANT BRANCH CR., O(30)-R2
County of Waterbody:
FOR DNR USE ONLY
TON BIR USE ONE!
The applicant listed above has consulted with me about their proposed project in navigable waters. Based on their project description, plans and other existing information available to me, find that:
 there is suitable habitat at or near the proposed project, or there may be an impact on spawning fish or spawning activities.
Or
 there is no suitable habitat at or near the proposed project, or there will be no impact on spawning fish or spawning activities.
Consequently, the time period restrictions of the applicable administrative code are/are not (circle one) necessary to protect fish spawning for the proposed project and I approve/disapprove (circle one) this waiver.
Signed by:
Knot Welke 1-26-12
Department Fisheries Biologist Date

Segment O, Appendix E

Wetland Summary Table and Data Points

Appendix E. Summary of Pre-Construction Wetland Characteristics along Segment O American Transmission Company - Rockdale to West Middleton Project

Wetland ID	EAP Map Page	Structures	Community Descriptions	Other Comments	Photos
O(120)-W1	0-1	None	Mixed wet meadow / shallow marsh / shrub carr community; wet meadow/marsh dominants include reed canary grass, river bulrush and narrow-leaved cattail; shrub carr dominants include willow and common buckthorn shrubs.	Width of wetland in ROW narrowed by about 100 feet from that identified in the Joint Application. Refer to data sheets P-1, P-2 and P-3, and associated mapping in App. E that documents this adjustment.	Photos 1 and 2
O(120)-W2	0-2	None	Wet-mesic meadow in forested opening; dominated by reed canary grass, with box elder seedlings, wild parsnip and Canada thistle less common		Photo 3
O(120)-W3	0-2	None	Primarily a wet meadow along waterway dominated by reed canary grass with stinging nettle, aster and Canada thistle less common, honeysuckle shrubs common along the waterway; shrub carr present at west end, dominated by willow shrubs with common buckthorn, honeysuckle and reed canary grass less common; small portion at west end is forested, dominated by quaking aspen; south-central portion is farmed with elements of wet meadow/shallow marsh		Photo 4

Appendix E. Summary of Pre-Construction Wetland Characteristics along Segment O American Transmission Company - Rockdale to West Middleton Project

Wetland ID	EAP Map Page	Structures	Community Descriptions	Other Comments	Photos
O(30)-W1	O-5	None	Narrow riparian wetland; dominant vegetation includes reed canary grass, aster, sawtooth sunflower, black willow and sandbar willow, with occasional box elder and cottonwood trees. Portions of wetland and adjacent areas disturbed from recent and ongoing development.		Photo 5
O(30)-W2	O-5	121930	Narrow riparian wetland; dominant vegetation includes cattail, sawtooth sunflower, smartweed, aster and sandbar willow. Portions of wetland and adjacent areas disturbed from recent and on-going development.		Photo 6
O(30)-W3	O-5	121931	Primarily a drainage ditch dominated by cattail; other species observed include reed canary grass, sandbar willow, river bulrush and aster; small patch of <i>Phragmites</i> present in this wetland; northern portion of the wetland is mowed; upland ridge present within wetland. Portions of wetland and adjacent areas disturbed from recent and ongoing development.	This wetland was extended about 30-40 feet north from that identified in the Joint Application. This adjustment was based on a predominance of hydrophytes in this area.	Photo 7

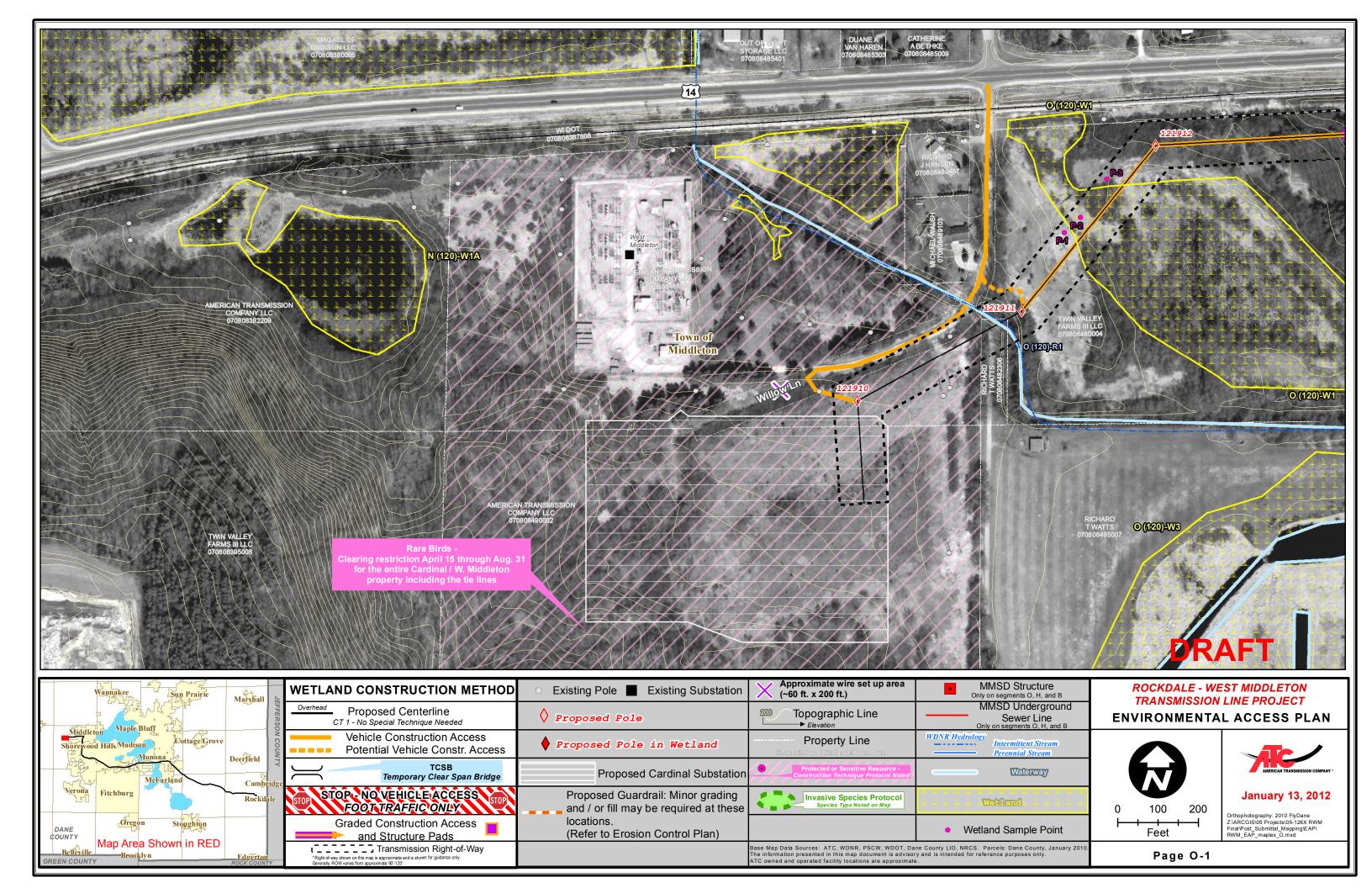
Appendix E. Summary of Pre-Construction Wetland Characteristics along Segment O American Transmission Company - Rockdale to West Middleton Project

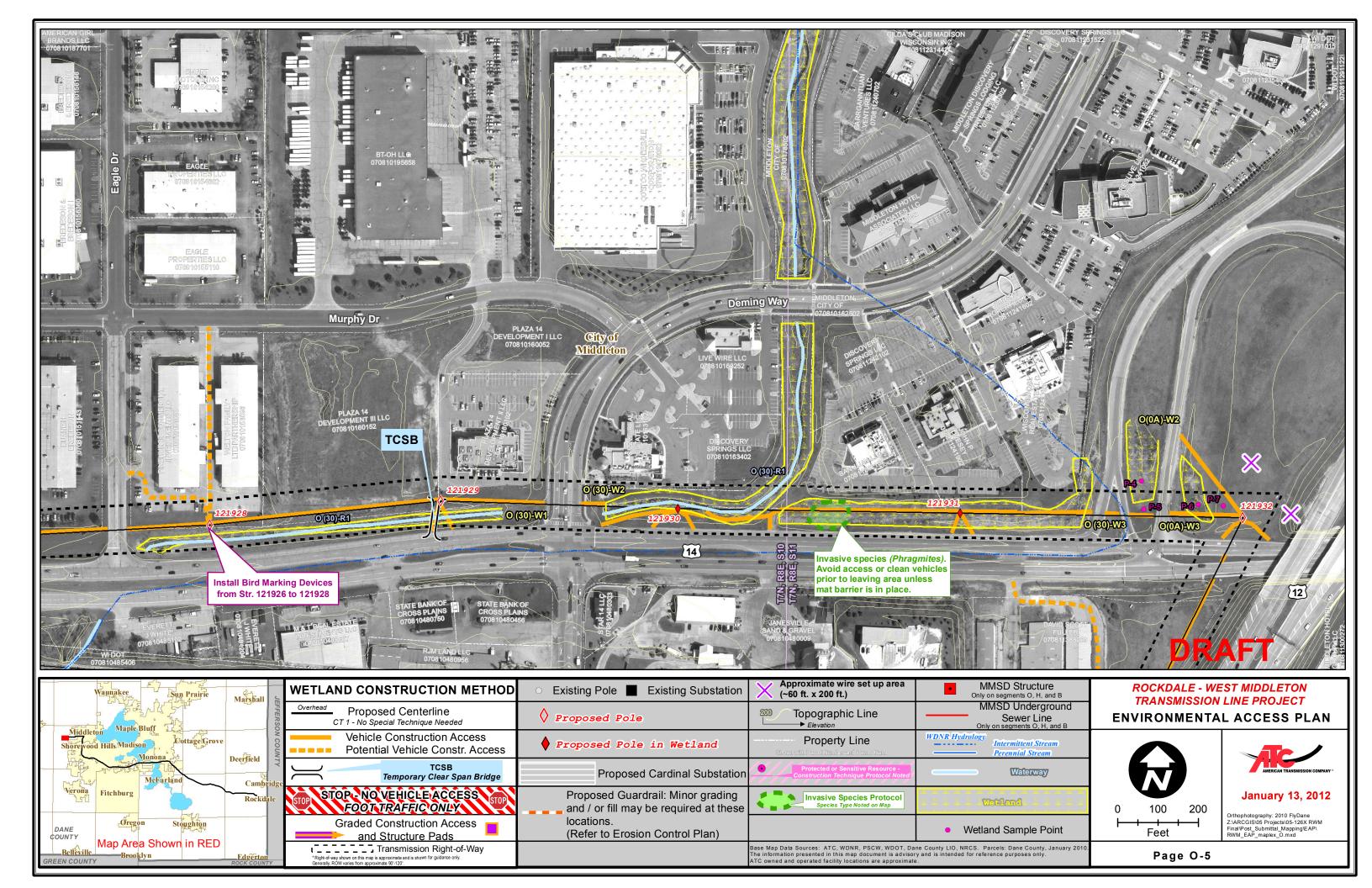
Wetland ID	EAP Map Page	Structures	Community Descriptions	Other Comments	Photos
O(0A)-W2	O-5	None	Wet meadow within highway interchange dominated primarily by reed canary grass	This wetland was identified after submittal of the Joint Application; this feature may have been created by increased stormwater from recent developments. Refer to data sheets P-4 and P-5, and associated mapping in App. E that documents this adjustment.	Photo 8
O(0A)-W3	O-5	None	Wet meadow / shallow marsh within highway interchange; dominants include cattail and reed canary grass	This wetland was identified after submittal of the Joint Application; this feature may have been created by increased stormwater from recent developments. Refer to data sheets P-6 and P-7, and associated mapping in App. E that documents this adjustment.	Photo 9
O(30)-W7	O-6	None	Narrow wetland that occurs at western edge of ROW between RR tracks and Terrace Ave; dominants within the ROW include cattail and jewelweed		Photo 10
O(30)-W8	O-6	None	Wet meadow dominated by aster, goldenrod, fleabane and Kentucky bluegrass within the ROW		Photo 11

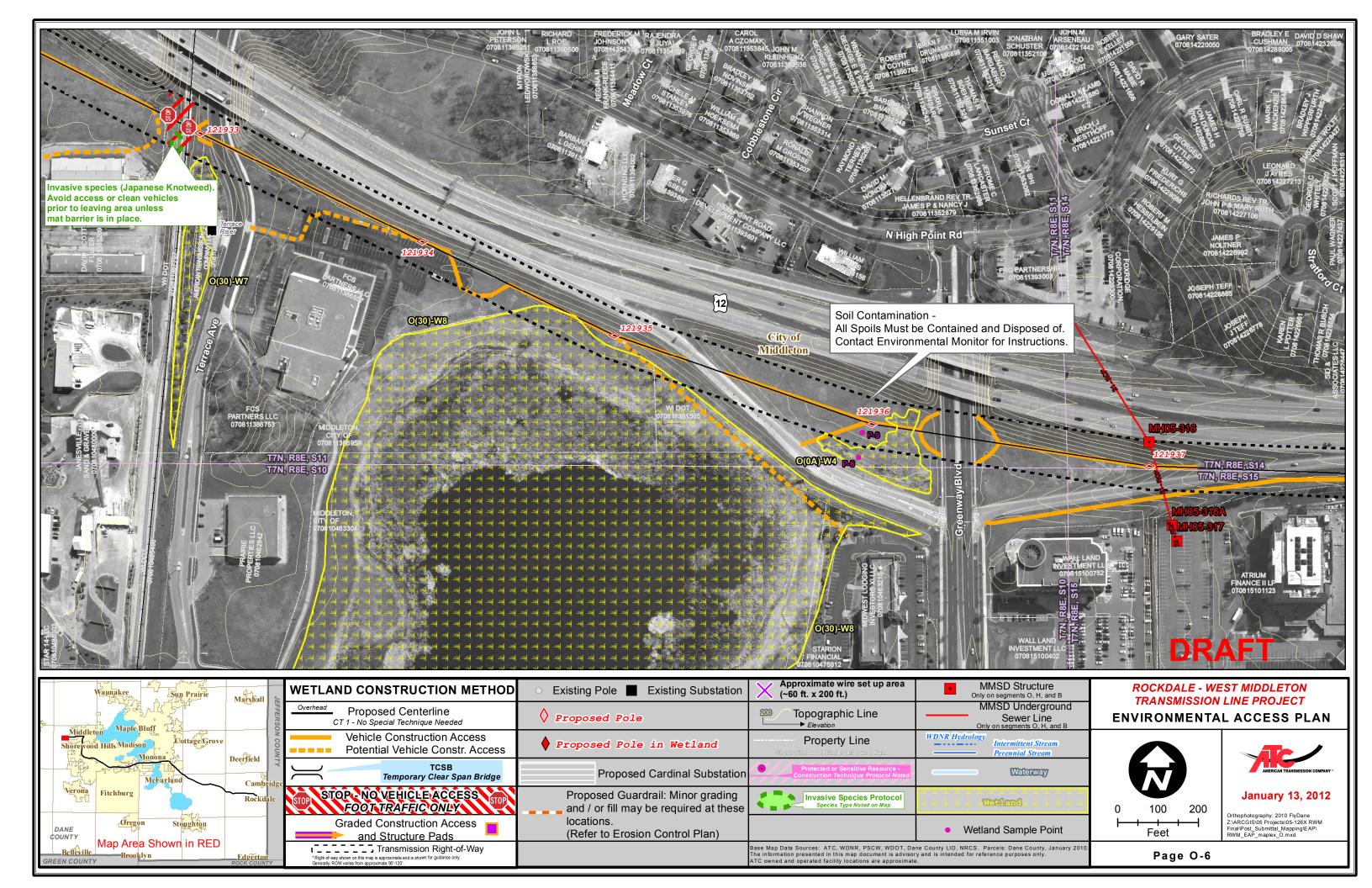
Wetland ID	EAP Map Page	Structures	Community Descriptions	Other Comments	Photos
O(0A)-W4	O-6	None	Wet meadow / shallow marsh within highway interchange; dominants include reed canary grass, cattail and smartweed	This wetland was expanded from that identifed in the Joint Application, expansion occurred near culvert discharge. Refer to data sheets P-8 and P-9, and associated mapping in App. E that documents this adjustment.	Photo 12
O(30)-W4	O-7 and O-8	None	Wet meadow dominated by reed canary grass along narrow waterway; a portion of this wetland is a narrow drainage ditch adjacent to west edge of ROW	This wetland was slightly expanded at the northern end from that identified in the Joint Application. Refer to data sheets P-10 and P-11, and associated mapping in App. E that documents this adjustment. In addition, this feature extended south to wetland O(30)-W4a in the Joint Application; however an approximate 800-foot stretch of this feature was culverted underground to accommodate parking lot expansion.	Photo 13
O(30)-W4a	0-8	None	Roadside drainage ditch dominated primarily by cattail; other observed species include blue vervain, smartweed and <i>Bidens</i>	refer to "Other Comments" section for O(30)-W4	Photo 14

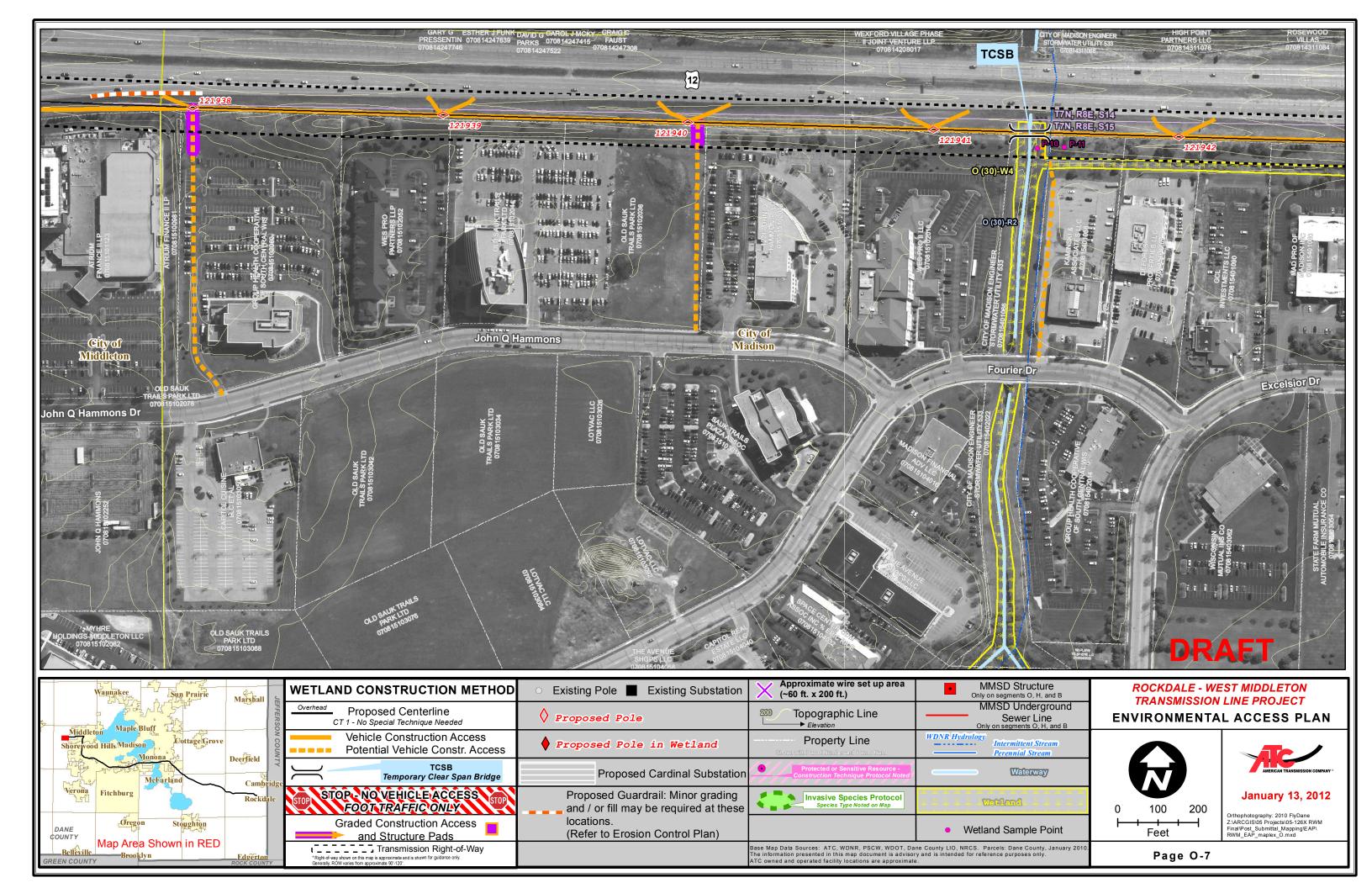
Appendix E. Summary of Pre-Construction Wetland Characteristics along Segment O American Transmission Company - Rockdale to West Middleton Project

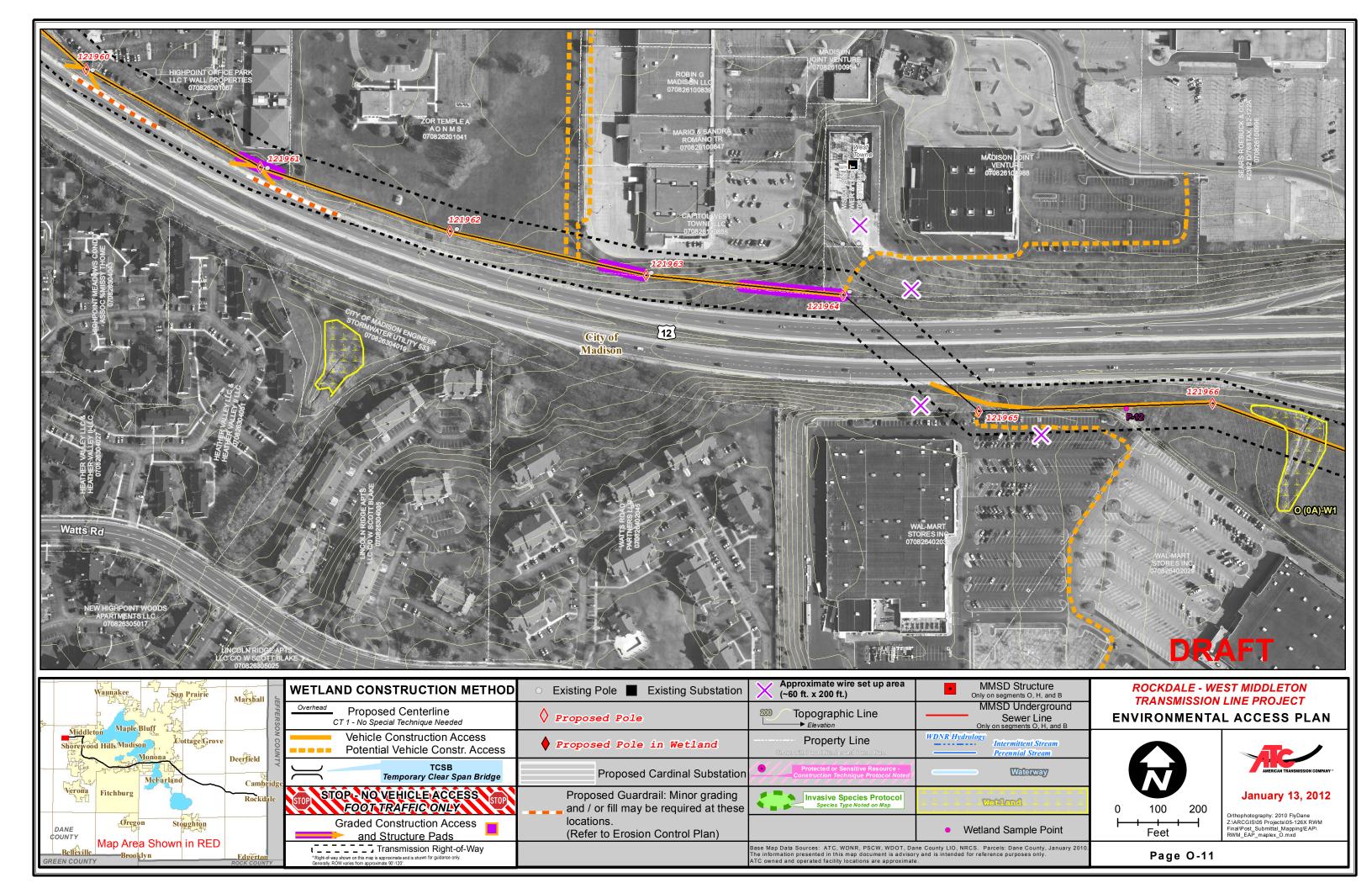
Wetland ID	EAP Map Page	Structures	Community Descriptions	Other Comments	Photos
O(30)-W5				This area was identified as wetland in the Joint Application (from offsite evaluation) but was determined to be upland based on recent field evaluation. Refer to data sheet P-12 and associated mapping in App. E that documents this adjustment.	
O(0A)-W1	O-11 and O-12	None	This feature is a stormwater swale dominated by cattail with a fringe of reed canary grass		Photo 15
O(30)-W6	O-14 and O-15	121982	This feature within the ROW is primarly a drainage ditch along the Beltline Highway; the west end is a stormwater drainage channel with narrow wetland fringe, dominants include sandbar willow, reed canary grass and box elder; eastern half of ditch is dominated by reed canrary grass, river bulrush and cattail which drains to O(30)-R3; two existing culverted crossings are present within this feature; upland woodland in southern part of ROW is degraded with fill piles common	The boundary of this feature was slightly adjusted from that identified in the Joint Application based on recent field review. Refer to data sheets P-13 and P-14, and associated mapping in App. E that documents this adjustment.	Photos 16 and 17

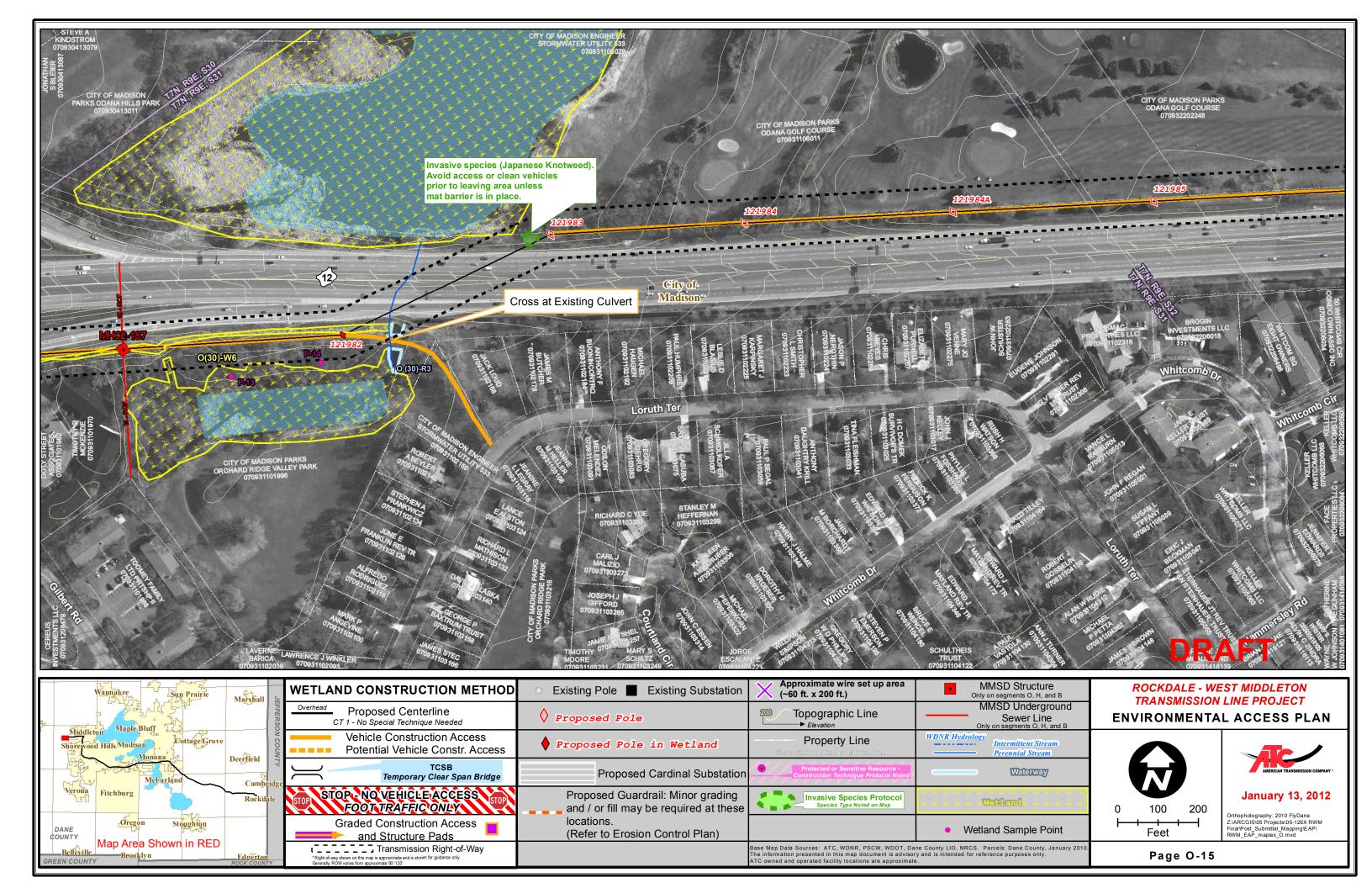














Stantec											
Project/Site:	Rockdale-V	W. Middleton - Seg.	0			Stante	c Project #:	193700008	1	Date:	10/24/11
Applicant:	ATC									County:	Dane
Investigator #1:	Funk, J.			Investi	gator #2:					State:	Wisconsin
Soil Unit:		silty clay loam					lassification:			Wetland ID:	
Landform:	Side slope	•		Loc	al Relief:					Sample Point:	P-1
Slope (%):	N/A	Latitude:	N/A		ongitude:		•	Datum:	N/A	Community ID:	
. ,		ditions on the site typ					in in remarks)	☑ Yes □		Section:	
		or Hydrology □ sigr						ımstances pre		Township:	
_		or Hydrology □ nat	•			/ " •	√ Yes			Range:	Dir:
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Wetland Hydrol				☐ Yes						Within A Wetla	
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Remarks.	Alea is coi	imprised of a failow i	ieid with	old field	vegetatio	ווע					
HYDROLOCY											
HYDROLOGY											
_		ators (Check here if	indicato	rs are no	ot presen	t ☑):					
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	A2 - High Wa A3 - Saturation				B13 - Aqu B15 - Mar					B10 - Drainage B16 - Moss Trir	
	B1 - Water M			H	C1 - Hydr				H	C2 - Dry-Seaso	
	B2 - Sedimer				-	_	spheres on Liv	ing Roots		C8 - Crayfish B	
	B3 - Drift Dep	•					educed Iron	J		•	Visible on Aerial Imagery
	B4 - Algal Ma						duction in Tille	d Soils			Stressed Plants
	B5 - Iron Dep				C7 - Thin		face			D2 - Geomorph	
		on Visible on Aerial Ima	•	Ц	Other (Ex	plain)				D3 - Shallow Ac D4 - Microtopog	
	bo - Sparser	y Vegetated Concave S	burrace							D5 - FAC-Neutr	•
Field Observat	ione:										
			5 . (1		(i.a.)						
Surface Water I		☐ Yes ☑ No	Depth:		(in.)			Wetland Hy	drology Pr	esent?	Yes ☑ No
Water Table Pro		☐ Yes ☑ No	Depth:	>18	(in.)						
Saturation Pres	ent?	☐ Yes ☑ No	Depth:	>18	(in.)						
Describe Record	ed Data (str	eam gauge, monitorir	ng well, a	erial pho	tos, previo	ous inspe	ctions), if ava	ilable:	N/A		
Remarks:	Wetland hy	drology criteria is no	nt met								
		arology officina io th	Jt IIIOt								
		rarology official to the	ot mot								
SOILS	Trought Try	drology official to the	ot mot								
SOILS Map Unit Name	,	Wacousta silty clay			Se	eries Drai	inage Class:	very poorly			
	:		loam					very poorly apped Type?	□ Yes	☑ No	
Map Unit Name Taxonomy (Sub	: ogroup):	Wacousta silty clay Typic Endoaquolls	loam		Field Obs	servation	s Confirm M	apped Type?			ocaiton: PL=Pore Lining, M=Matrix)
Map Unit Name Taxonomy (Sub Profile Descrip	: ogroup):	Wacousta silty clay Typic Endoaquolls	loam		Field Obs	servation	s Confirm M	apped Type?			ocaiton: PL=Pore Lining, M=Matrix) Texture
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Map Unit Name Taxonomy (Sub Profile Descrip	: ogroup): otion (Describe to	Wacousta silty clay Typic Endoaquolls the depth needed to document the	loam e indicator or c	onfirm the abs	Field Observe of indicato	rs.) (Type: C=	s Confirm M	apped Type? Diletion, RM=Reduced M Mottles		/Coated Sand Grains; L	Texture (e.g. clay, sand, loam
Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0	egroup): otion (Describe to Bottom Depth 8	Wacousta silty clay Typic Endoaquolls the depth needed to document the	loam e indicator or co Color 10YR	Matrix (Moist)	Field Observe of indicators % 100	rs.) (Type: C=	S Confirm M. Concentration, D=Dep	apped Type? Deletion, RM=Reduced M Mottles %	Matrix, CS=Covered	/Coated Sand Grains; L	Texture (e.g. clay, sand, loam silt loam
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Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 8 14 NRCS Hydric S	Bottom Depth 8 14 18 Soil Field In	Wacousta silty clay Typic Endoaquolls the depth needed to document the Horizon 1 2 3 ndicators (check he	loam color color 10YR 10YR	Matrix (Moist) 2/2 3/2 3/3 cators ar	% 100 100 100 e not pre S8 - Polyv (LRR R, N	Colo distinct sent value Belov	or (Moist) 10YR 4/4	apped Type? Mottles % 20 Indicators	Type s for Problen A10 - 2 cm I A16 - Coast S3 - 5cm Mo	Location M	Texture (e.g. clay, sand, loam) silt loam silt loam silty clay loam
Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 8 14 NRCS Hydric S	Bottom Depth 8 14 18 Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi	Wacousta silty clay Typic Endoaquolls the depth needed to document the Horizon 1 2 3 ndicators (check he pipedon istic en Sulfide	loam color color 10YR 10YR	Matrix (Moist) 2/2 3/2 3/3 cators ar	% 100 100 100 e not pre S8 - Polyv (LRR R, N	Colo distinct sent value Below Dark Surfa	or (Moist) 10YR 4/4 : w Surface B)	apped Type? Mottles % 20 Indicators	Type C s for Problen A10 - 2 cm I A16 - Coast S3 - 5cm Mi S7 - Dark S	Location	Texture (e.g. clay, sand, loam) silt loam silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R)
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Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 8 14 NRCS Hydric	Bottom Depth 8 14 18 Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick E S1 - Sandy N	Wacousta silty clay Typic Endoaquolls the depth needed to document the Horizon 1 2 3 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral	Color 10YR 10YR 10YR re if indic	Matrix (Moist) 2/2 3/2 3/3 cators ar	% 100 100 100 e not pre S8 - Polyx (LRR R, N S9 - Thin (LRR R, N F1 - Loam (LRR K, L F2 - Loam F3 - Deple	Colcomics.) (Type: C=	or (Moist) 10YR 4/4 """ """ """ """ """	apped Type? Mottles % 20 Indicators	Type C s for Problem A10 - 2 cm I A16 - Coast S3 - 5cm Mi S7 - Dark Si S8 - Polyval S9 - Thin Da F12 - Iron-Mi	Location M Muck (LRR K, L, L) Prairie Redox (Iucky Peat of Peaturface (LRR K, Iucky Peat of Peaturface (LRR K, Iucky Peaturface	Texture (e.g. clay, sand, loam) silt loam silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) ce (LRR K, L, R) ce (LRR K, L) ses (LRR K, L, R) Soils (MLRA 149B)
Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 8 14 NRCS Hydric	Bottom Depth 8 14 18 Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick E S1 - Sandy M S4 - Sandy M	Wacousta silty clay Typic Endoaquolls the depth needed to document the Horizon 1 2 3 ndicators (check he bipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix	Color 10YR 10YR 10YR re if indic	Matrix (Moist) 2/2 3/2 3/3 cators ar	% 100 100 100 e not pre S8 - Polyv (LRR R, N S9 - Thin (LRR R, N F1 - Loam (LRR K, L F2 - Loam F3 - Deple F6 - Redo	Colo Colo Colo Colo Colo Colo Colo Colo	or (Moist) 10YR 4/4	apped Type? Mottles % 20 Indicators	Type	Location Locati	Texture (e.g. clay, sand, loam) silt loam silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) ce (LRR K, L, R) ce (LRR K, L) ses (LRR K, L, R)
Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 8 14 NRCS Hydric	Bottom Depth 8 14 18 Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A1- Deplete A12 - Thick E S1 - Sandy E S5 - Sandy E	Wacousta silty clay Typic Endoaquolls the depth needed to document the Horizon 1 2 3 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox	Color 10YR 10YR 10YR re if indic	Matrix (Moist) 2/2 3/2 3/3 cators ar	% 100 100 100 e not pre S8 - Polyv (LRR R, N S9 - Thin (LRR R, N F1 - Loam (LRR K, L F2 - Loam F3 - Deple F6 - Redo	Colcomis.) (Type: C=	or (Moist) 10YR 4/4	apped Type? Mottles % 20 Indicators	Type	Location M Muck (LRR K, L, Prairie Redox (Iucky Peat of Peaturface (LRR K, Iucky Peat of Peaturface (LRR K, Iucky Peaturface (LR	Texture (e.g. clay, sand, loam) silt loam silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) ce (LRR K, L, R) ce (LRR K, L) ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B)
Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 8 14 NRCS Hydric	Bottom Depth 8 14 18 Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick E S1 - Sandy N S4 - Sandy N S4 - Sandy N S5 - Sandy R S6 - Stripped	Wacousta silty clay Typic Endoaquolls the depth needed to document the Horizon 1 2 3 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox I Matrix	Color 10YR 10YR 10YR re if indic	Matrix (Moist) 2/2 3/2 3/3 cators ar	% 100 100 100 e not pre S8 - Polyv (LRR R, N S9 - Thin (LRR R, N F1 - Loam (LRR K, L F2 - Loam F3 - Deple F6 - Redo	Colo Colo Colo Colo Colo Colo Colo Colo	or (Moist) 10YR 4/4	apped Type? Mottles % 20 Indicators	Type	Location M	Texture (e.g. clay, sand, loam) silt loam silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) ce (LRR K, L, R) ce (LRR K, L) ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B)
Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 8 14 NRCS Hydric	Bottom Depth 8 14 18 Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick E S1 - Sandy N S4 - Sandy N S4 - Sandy N S5 - Sandy R S6 - Stripped	Wacousta silty clay Typic Endoaquolls the depth needed to document the Horizon 1 2 3 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox	Color 10YR 10YR 10YR re if indic	Matrix (Moist) 2/2 3/2 3/3 cators ar	% 100 100 100 e not pre S8 - Polyv (LRR R, N S9 - Thin (LRR R, N F1 - Loam (LRR K, L F2 - Loam F3 - Deple F6 - Redo	Colcomis.) (Type: C=	or (Moist) 10YR 4/4	apped Type? Mottles % Indicators Indicators	Type	Location M	Texture (e.g. clay, sand, loam) silt loam silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) ce (LRR K, L, R) ce (LRR K, L) ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B)
Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 8 14 NRCS Hydric	Bottom Depth 8 14 18 Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A1- Deplete A12 - Thick E S1 - Sandy N S4 - Sandy N S4 - Sandy N S5 - Sandy R S6 - Stripped S7 - Dark Su	Wacousta silty clay Typic Endoaquolls the depth needed to document the Horizon 1 2 3 ndicators (check he bipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox Matrix Arface (LRR R, MLRA 1	Color 10YR 10YR re if indic	matrix (Moist) 2/2 3/3 3/3 cators ar	% 100 100 100 e not pre S8 - Polyv (LRR R, N S9 - Thin (LRR R, N F1 - Loam (LRR K, L F2 - Loam F3 - Deple F6 - Redo	Colcomis.) (Type: C=	or (Moist) 10YR 4/4	apped Type? Mottles Mottles % 20 Indicators Indicators disturbed of	Type	Location M Muck (LRR K, L, Prairie Redox (I ucky Peat of Peaturface (LRR K, I ucky Peat of Peat of Peaturface (LRR K, I ucky Peat of Peaturface (LRR K, I ucky Peat of Peaturface (LRR K, I ucky Peat of Peat	Texture (e.g. clay, sand, loam) silt loam silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) ce (LRR K, L, R) ce (LRR K, L, R) ses (LRR K, L, R) soils (MLRA 149B) 144A, 145, 149B) urface
Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 8 14 NRCS Hydric	Bottom Depth 8 14 18 Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick E S1 - Sandy N S4 - Sandy N S4 - Sandy N S5 - Sandy R S6 - Stripped	Wacousta silty clay Typic Endoaquolls the depth needed to document the Horizon 1 2 3 ndicators (check he bipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox Matrix Arface (LRR R, MLRA 1	Color 10YR 10YR re if indic	Matrix (Moist) 2/2 3/2 3/3 cators ar	% 100 100 100 e not pre S8 - Polyv (LRR R, N S9 - Thin (LRR R, N F1 - Loam (LRR K, L F2 - Loam F3 - Deple F6 - Redo	Colcomis.) (Type: C=	or (Moist) 10YR 4/4	apped Type? Mottles % Indicators Indicators	Type	Location M Muck (LRR K, L, Prairie Redox (I ucky Peat of Peaturface (LRR K, I ucky Peat of Peat of Peaturface (LRR K, I ucky Peat of Peaturface (LRR K, I ucky Peat of Peaturface (LRR K, I ucky Peat of Peat	Texture (e.g. clay, sand, loam) silt loam silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) ce (LRR K, L, R) ses (LRR K, L, R) Goils (MLRA 149B) 144A, 145, 149B) urface
Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 8 14 NRCS Hydric	Bottom Depth 8 14 18 Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A1- Deplete A12 - Thick E S1 - Sandy N S4 - Sandy N S4 - Sandy N S5 - Sandy R S6 - Stripped S7 - Dark Su Type:	Wacousta silty clay Typic Endoaquolls the depth needed to document the Horizon 1 2 3 ndicators (check he bipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox Matrix Arface (LRR R, MLRA 1	loam color Color 10YR 10YR re if indic	Matrix (Moist) 2/2 3/2 3/3 cators ar	% 100 100 100 e not pre S8 - Polyx (LRR R, N S9 - Thin (LRR K, L F2 - Loam F3 - Deple F6 - Redo F7 - Deple F8 - Redo	Colc distinct sent	or (Moist) 10YR 4/4): w Surface B) ace B) ineral Matrix c rface Surface Surface Sions	apped Type? Mottles Mottles % 20 Indicators Indicators disturbed of	Type C C s for Problem A10 - 2 cm I A16 - Coast S3 - 5cm Me S7 - Dark Se S8 - Polyval S9 - Thin Da F12 - Iron-Me F19 - Piedm TA6 - Mesic TF2 - Red F TF12 - Very Other (Expla of hydrophytic vege or problematic. Present?	Location M Muck (LRR K, L, L, L) Prairie Redox (Lucky Peat of Peaturface (LRR K, L) Lucky Peaturface	Texture (e.g. clay, sand, loam) silt loam silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) ce (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B) urface blogy must be present, unless Yes No



Northcentral and Northeast Region

Rockdale-W. Middleton - Seg. O Project/Site: Wetland ID: Sample Point P-1 **VEGETATION** (Species identified in all uppercase are non-native species.) Tree Stratum (Plot size: 10 meter radius) **Dominance Test Worksheet** Species Name % Cover Dominant Ind.Status 1. --Number of Dominant Species that are OBL, FACW, or 2. 3. 4. Total Number of Dominant Species Across All Strata: 5. Percent of Dominant Species That Are OBL, FACW, or 6. FAC: **25.0%** (A/B) ----7. 8. **Prevalence Index Worksheet** 9. Total % Cover of: Multiply by: 10. x 1 =OBL spp. Total Cover = FACW spp. x 2 =x 3 =FAC spp. 15 x 4 =Sapling/Shrub Stratum (Plot size: 5 meter radius) FACU spp. 180 x = 51. UPL spp. 25 125 2. 3. Total 100 370 (B) 4. 5. Prevalence Index = B/A = 3.700 6. --7. --8. **Hydrophytic Vegetation Indicators:** 9. □Yes ☑ No Rapid Test for Hydrophytic Vegetation 10. □Yes ☑ No Dominance Test is > 50% Total Cover = ✓ No □Yes Prevalence Index is ≤ 3.0 * □Yes ☑ No Morphological Adaptations (Explain) * ☑ No Herb Stratum (Plot size: 2 meter radius) □Yes Problem Hydrophytic Vegetation (Explain) * TRIFOLIUM PRATENSE 25 Υ **FACU** 1. * Indicators of hydric soil and wetland hydrology must be 2. 20 Υ **FACU** Solidago canadensis present, unless disturbed or problematic. Υ 3. **BROMUS INERMIS** 20 **UPL** PHALARIS ARUNDINACEA Υ 4. 20 **FACW Definitions of Vegetation Strata:** 5. 5 **FACW** Solidago gigantea Tree - Woody plants 3 in. (7.6cm) or more in 6 5 DAUCUS CAROTA Ν UPL diameter at breast height (DBH), regardless of 7. 5 POA PRATENSIS Ν **FAC** heiaht. 8. 9. Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft. tall. 10. 11. Herb - All herbaceous (non-woody) plants, 12. ---regardless of size, and woody plants less than 13. ----2 28 ft tall 14. **Woody Vines -** All woody vines greater than 3.28 ft. in height. 15. Total Cover = 100 Woody Vine Stratum (Plot size: 10 meter radius) 1. 2. --3. **Hydrophytic Vegetation Present** ☐ Yes ☑ No 4. Total Cover = Remarks: Wetland vegetation criteria is not met

Additional Remarks:



Project/Site:	Rockdale-V	W. Middleton - Seg.	0			Stante	c Project #:	193700008		Date:	10/24/11
Applicant:	ATC									County:	Dane
Investigator #1:	Funk, J.			Investi	gator #2:					State:	Wisconsin
Soil Unit:	Wacousta	silty clay loam			NW	I/WWI C	lassification:			Wetland ID:	O(120)-W1
Landform:	depression			Loc	al Relief:	swale				Sample Point:	
Slope (%):	N/A	Latitude:	N/A		ongitude:			Datum:	N/A		Wet meadow
· ` ` '		ditions on the site typ					in in romarks)	☑ Yes □	No	Section:	
-						1		imstances pre			
_		or Hydrology ☐ sigi	•			Ale	\		esent!	Township:	
		or Hydrology 🗆 nat	urally pro	oblemation	C?		Yes	s □ No		Range:	Dir:
SUMMARY OF I	FINDINGS										
Hydrophytic Veg	getation Pre	sent?		Yes	□ No			Hydric Soils	Present?		
Wetland Hydrolo	ogy Present	?		Yes	□ No			Is This Samp	oling Point	Within A Wetla	and? ☑ Yes ■ No
Remarks:	Swale										
HADBOI OCA											
HYDROLOGY											
Wetland Hydro	ology Indica	ators (Check here if	f indicato	ors are no	ot presen	t □):					
<u>Primary:</u>									Secondary:		
_	A1 - Surface				B9 - Wate	er-Stained	Leaves			B6 - Surface So	oil Cracks
	A2 - High Wa				B13 - Aqu					B10 - Drainage	
✓	A3 - Saturation					1 Deposits				B16 - Moss Trir	
	B1 - Water M				C1 - Hydr	_				C2 - Dry-Seaso	
	B2 - Sedimer						spheres on Liv	ing Roots		C8 - Crayfish B	
	B3 - Drift Dep						educed Iron				Visible on Aerial Imagery
	B4 - Algal Ma						eduction in Tille	d Soils	님		Stressed Plants
	B5 - Iron Dep				C7 - Thin		race			D2 - Geomorph	
		on Visible on Aerial Ima y Vegetated Concave S	•	П	Other (Ex	piain)				D3 - Shallow Ao D4 - Microtopog	•
	bo - Sparser	y vegetated Concave S	burrace							D5 - FAC-Neuti	
											1000
Field Observati	ions:										
Surface Water F	Present?	☐ Yes ☑ No	Depth:		(in.)			Wetland Hy	drology Pr	esent?	Yes □ No
Water Table Pre	esent?		Depth:	14	(in.)			Wetland Hy	arology i i	escrit:	1103 🖺 110
Saturation Prese	ent?		Depth:	10	(in.)						
Dogariba Bagarda	ad Data (atr	oom gougo monitoris	og woll o	orial pho	too provid	oue inene	otions) if over	ilabla:	N/A		
		eam gauge, monitorir	ilg well, a	ienai pino	ios, pievii	ous insper	clioris), ii avai	liabie.	11//		
	1 A / 4 1 1 1 1 1 1 1 1	10.10	4 A			41 (2.00	0.1.0.0	-		
Remarks:	Wetland hy	drology criteria is m	et. Area	as of satu	uration at	the surfa	ace visible wi	thin the wetla	nd area.		
Remarks:	Wetland hy	drology criteria is m	et. Area	s of satu	uration at	the surfa	ace visible wi	thin the wetla	nd area.		
SOILS	Wetland hy	drology criteria is m	et. Area	as of satu	uration at	the surfa	ace visible wi	thin the wetla	nd area.		
				as of satu					nd area.		
SOILS Map Unit Name:	:	Wacousta silty clay	loam		Se	eries Drai	inage Class:	very poorly		□ No	
SOILS Map Unit Name: Taxonomy (Sub	: group):	Wacousta silty clay Typic Endoaquolls	loam		Se Field Ob	eries Drai servation	inage Class: s Confirm Ma	very poorly apped Type?	☑ Yes		ocaiton: PI =Pore I ining. M=Matrix)
SOILS Map Unit Name: Taxonomy (Sub Profile Descrip	group): tion (Describe to	Wacousta silty clay Typic Endoaquolls	loam	confirm the abs	Se Field Ob	eries Drai servation	inage Class: s Confirm Ma	very poorly apped Type?	☑ Yes		ocaiton: PL=Pore Lining, M=Matrix) Texture
SOILS Map Unit Name: Taxonomy (Sub Profile Descrip Top	group): tion (Describe to Bottom	Wacousta silty clay Typic Endoaquolls of the depth needed to document the	oe indicator or c	confirm the abs	Se Field Obsence of indicato	eries Drai servation ors.) (Type: C=	inage Class: as Confirm Ma Concentration, D=Dep	very poorly apped Type? Dietion, RM=Reduced M Mottles	✓ Yes Matrix, CS=Covered	//Coated Sand Grains; L	Texture
SOILS Map Unit Name: Taxonomy (Sub Profile Descrip Top Depth	group): tion (Describe to Bottom Depth	Wacousta silty clay Typic Endoaquolls	r loam e indicator or c Color	confirm the abs Matrix (Moist)	Se Field Obsence of indicate	eries Drai servation ors.) (Type: C=	inage Class: s Confirm Ma	very poorly apped Type?	☑ Yes		Texture (e.g. clay, sand, loam)
SOILS Map Unit Name: Taxonomy (Sub Profile Descrip Top Depth 0	group): tion (Describe to Bottom Depth 14	Wacousta silty clay Typic Endoaquolls the depth needed to document the Horizon	v loam e indicator or c Color 10YR	Matrix (Moist)	Field Observe of indicate % 100	eries Drai servation ors.) (Type: C=	inage Class: as Confirm Ma Concentration, D=Dep	very poorly apped Type? Mottles %	✓ Yes Matrix, CS=Covered Type	Location	Texture (e.g. clay, sand, loam) silt loam
SOILS Map Unit Name: Taxonomy (Sub Profile Descrip Top Depth	group): tion (Describe to Bottom Depth	Wacousta silty clay Typic Endoaquolls of the depth needed to document the	r loam e indicator or c Color	confirm the abs Matrix (Moist)	Se Field Obsence of indicate	eries Drai servation ors.) (Type: C=	inage Class: Is Confirm Ma Concentration, D=Dep	very poorly apped Type? oletion, RM=Reduced M Mottles %	✓ Yes Matrix, CS=Covered Type	//Coated Sand Grains; L	Texture (e.g. clay, sand, loam)
SOILS Map Unit Name: Taxonomy (Sub Profile Descrip Top Depth 0	group): tion (Describe to Bottom Depth 14	Wacousta silty clay Typic Endoaquolls the depth needed to document the Horizon	v loam e indicator or c Color 10YR	Matrix (Moist)	Field Observe of indicate % 100	eries Drai servation ors.) (Type: C=	inage Class: as Confirm Ma Concentration, D=Dep	very poorly apped Type? Mottles %	✓ Yes Matrix, CS=Covered Type	Location	Texture (e.g. clay, sand, loam) silt loam
SOILS Map Unit Name: Taxonomy (Sub Profile Descrip Top Depth 0 14	group): tion (Describe to Bottom Depth 14 18	Wacousta silty clay Typic Endoaquolls the depth needed to document the Horizon 1 2	Color 10YR 10YR	Matrix (Moist)	Field Obsence of indicate % 100 90	eries Drai servation ors.) (Type: C=	inage Class: as Confirm Ma Concentration, D=Dep	very poorly apped Type? Detion, RM=Reduced M Mottles % 10	✓ Yes Matrix, CS=Covered Type C	Location M	Texture (e.g. clay, sand, loam) silt loam
SOILS Map Unit Name: Taxonomy (Sub Profile Descrip Top Depth 0 14	group): tion (Describe to Bottom Depth 14 18	Wacousta silty clay Typic Endoaquolls the depth needed to document the Horizon 1 2	Color 10YR 10YR	Matrix (Moist)	Field Observe of indicate % 100 90	cries Draiservation Servation Colo distinct	inage Class: as Confirm Ma Concentration, D=Dep or (Moist) 10YR 4/4	very poorly apped Type? Mottles % 10	Type C	Location M	Texture (e.g. clay, sand, loam) silt loam silty clay loam
SOILS Map Unit Name: Taxonomy (Sub Profile Descrip Top Depth 0 14	group): tion (Describe to Bottom Depth 14 18	Wacousta silty clay Typic Endoaquolls the depth needed to document the Horizon 1 2	Color 10YR 10YR	Matrix (Moist)	Serield Observe of indicate % 100 90	cries Draiservation Servation Colc distinct	inage Class: as Confirm Ma Concentration, D=Dep or (Moist) 10YR 4/4	very poorly apped Type? Mottles % 10	Type Type C	Location M	Texture (e.g. clay, sand, loam) silt loam silty clay loam
SOILS Map Unit Name: Taxonomy (Sub Profile Descrip Top Depth 0 14	group): tion (Describe to Bottom Depth 14 18	Wacousta silty clay Typic Endoaquolls the depth needed to document the Horizon 1 2	Color 10YR 10YR	Matrix (Moist)	Field Observe of indicate % 100 90	cries Draiservation servation Colo distinct	inage Class: as Confirm Ma Concentration, D=Dep or (Moist) 10YR 4/4	very poorly apped Type? Mottles % 10	Type C	Location M	Texture (e.g. clay, sand, loam) silt loam silty clay loam
SOILS Map Unit Name: Taxonomy (Sub Profile Descrip Top Depth 0 14	group): tion (Describe to Bottom Depth 14 18	Wacousta silty clay Typic Endoaquolls the depth needed to document the Horizon 1 2	Color 10YR 10YR	Matrix (Moist)	Serield Observe of indicate % 100 90	cries Draiservation Servation Colc distinct	inage Class: as Confirm Ma Concentration, D=Dep or (Moist) 10YR 4/4	very poorly apped Type? Mottles % 10	Type Type C	Location M	Texture (e.g. clay, sand, loam) silt loam silty clay loam
SOILS Map Unit Name: Taxonomy (Sub Profile Descrip Top Depth 0 14	group): tion (Describe to Bottom Depth 14 18	Wacousta silty clay Typic Endoaquolls the depth needed to document the Horizon 1 2	Color 10YR	Matrix (Moist)	Serield Observe of indicators % 100 90	cries Draiservation Servation Colc distinct	inage Class: as Confirm Ma Concentration, D=Dep or (Moist) 10YR 4/4	very poorly apped Type? Mottles % 10	Type Type C	Location M	Texture (e.g. clay, sand, loam) silt loam silty clay loam
SOILS Map Unit Name: Taxonomy (Sub Profile Descrip Top Depth 0 14	group): tion (Describe to Bottom Depth 14 18	Wacousta silty clay Typic Endoaquolls the depth needed to document the Horizon 1 2	Color 10YR 10YR	Matrix (Moist) 2/1 3/1	% 100 90	cries Draiservation Servation Colc distinct	inage Class: as Confirm Ma Concentration, D=Dep or (Moist) 10YR 4/4	very poorly apped Type? Mottles % 10	Type Type C	Location M	Texture (e.g. clay, sand, loam) silt loam silty clay loam
SOILS Map Unit Name: Taxonomy (Sub Profile Descrip Top Depth 0 14 NRCS Hydric S	group): tion (Describe to Bottom Depth 14 18	Wacousta silty clay Typic Endoaquolls the depth needed to document the Horizon 1 2	Color 10YR 10YR	Matrix (Moist) 2/1 3/1	Serield Observe of indicators % 100 90 e not pre	cries Draiservation servation Colo distinct sent	inage Class: as Confirm Ma Concentration, D=Dep or (Moist) 10YR 4/4	very poorly apped Type? letion, RM=Reduced M	Type C s for Problem	Location M	Texture (e.g. clay, sand, loam) silt loam silty clay loam
SOILS Map Unit Name: Taxonomy (Sub Profile Descrip Top Depth 0 14 NRCS Hydric S	group): tion (Describe to Bottom Depth 14 18 Soil Field In	Wacousta silty clay Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check he	Color 10YR 10YR	Matrix (Moist) 2/1 3/1	Serield Observe of indicators % 100 90 re not pre S8 - Polyn	cries Draiservation servation Colo distinct sent	inage Class: as Confirm Ma Concentration, D=Dep or (Moist) 10YR 4/4 : w Surface	very poorly apped Type? Mottles % 10 Indicators	Type Type C	Location M natic Soils 1	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B)
SOILS Map Unit Name: Taxonomy (Sub Profile Descrip Top Depth 0 14 NRCS Hydric S	group): tion (Describe to Bottom Depth 14 18 Soil Field In A1- Histosol	Wacousta silty clay Typic Endoaquolls of the depth needed to document the Horizon 1 2 ndicators (check he	Color 10YR 10YR	Matrix (Moist) 2/1 3/1	Serield Observe of indicators % 100 90 e not pre S8 - Polyw (LRR R, I	cries Draiservation servation Colo distinct sent value Belov	inage Class: Is Confirm Ma Concentration, D=Dep or (Moist) 10YR 4/4 : w Surface B)	very poorly apped Type? Mottles % 10 Indicators	Type C s for Problem A10 - 2 cm	Location M natic Soils ¹ Muck (LRR K, L	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R)
SOILS Map Unit Name: Taxonomy (Sub Profile Descrip Top Depth 0 14 NRCS Hydric S	group): tion (Describe to Bottom Depth 14 18	Wacousta silty clay Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check he	Color 10YR 10YR	Matrix (Moist) 2/1 3/1 cators ar	% 100 90 e not pre S8 - Polyv (LRR R, I) S9 - Thin	cries Draiservation servation Colo distinct sent	inage Class: Is Confirm MacConcentration, D=Dep	very poorly apped Type? Mottles % 10 Indicators	Type Type C	Location M matic Soils Muck (LRR K, L	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R)
SOILS Map Unit Name: Taxonomy (Sub Profile Descrip Top Depth 0 14 NRCS Hydric S	group): tion (Describe to Bottom Depth 14 18	Wacousta silty clay Typic Endoaquolls of the depth needed to document the Horizon 1 2 ndicators (check here) pipedon istic en Sulfide	Color 10YR 10YR	Matrix (Moist) 2/1 3/1 cators ar	Se Field Obsence of indicators % 100 90 e not pre S8 - Polyw (LRR R, I) S9 - Thin (LRR R, I)	cries Draiservation Servation Colc distinct sent yalue Below MLRA 149 Dark Surfa	inage Class: Is Confirm MacConcentration, D=Dep	very poorly apped Type? letion, RM=Reduced M Mottles % 10 Indicators	Type C s for Problen A10 - 2 cm A16 - Coast S3 - 5cm Me S7 - Dark S	Location M matic Soils Muck (LRR K, L Prairie Redox (Iucky Peat of Pea	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) L)
SOILS Map Unit Name: Taxonomy (Sub Profile Descrip Top Depth 0 14 NRCS Hydric S	group): tion (Describe to Bottom Depth 14 18	Wacousta silty clay Typic Endoaquolls of the depth needed to document the Horizon 1 2 ndicators (check here) pipedon istic en Sulfide	Color 10YR 10YR ere if indic	Matrix (Moist) 2/1 3/1 cators ar	Se Field Obsence of indicators % 100 90 e not pre S8 - Polyw (LRR R, I) S9 - Thin (LRR R, I)	cries Draiservation Servation Colo distinct sent sent Jalue Below MLRA 149 Dark Surfa MLRA 149 The Muck Muck Muck Muck Muck Muck Muck Muck	inage Class: Is Confirm MacConcentration, D=Dep	very poorly apped Type? Mottles % 10 Indicators	Type Type C	Location M matic Soils Muck (LRR K, L Prairie Redox (Iucky Peat of Peaturface (LRR K, I	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) ce (LRR K, L)
SOILS Map Unit Name: Taxonomy (Sub Profile Descrip Top Depth 0 14 NRCS Hydric S	group): tion (Describe to Bottom Depth 14 18	Wacousta silty clay Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface	Color 10YR 10YR ere if indic	Matrix (Moist) 2/1 3/1 cators ar	Field Obsence of indicate % 100 90 e not pre S8 - Polyw (LRR R, I) S9 - Thin (LRR R, I) F1 - Loam (LRR K, I)	cries Draiservation Servation Colo distinct sent sent Jalue Below MLRA 149 Dark Surfa MLRA 149 The Muck Muck Muck Muck Muck Muck Muck Muck	inage Class: Is Confirm MacConcentration, D=Dep	very poorly apped Type? Mottles % 10 Indicators	Type Type C	Location M Muck (LRR K, L Prairie Redox (Iucky Peat of Peaturface (LRR K, Iucky Peat of Peaturface (LRR K, Iucky Peaturface (LRR K, Iucky Surface (LRR K, Iucky Surf	Texture (e.g. clay, sand, loam) silt loam silty clay loam MLRA149B) LRR K, L, R) at (LRR K, L, R) L) ce (LRR K, L, R) R K, L) ses (LRR K, L, R)
SOILS Map Unit Name: Taxonomy (Sub Profile Descrip Top Depth 0 14 NRCS Hydric S	group): tion (Describe to Bottom Depth 14 18	Wacousta silty clay Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface	Color 10YR 10YR ere if indic	Matrix (Moist) 2/1 3/1 cators ar	% 100 90 e not pre S8 - Poly (LRR R, I) S9 - Thin (LRR R, I) F1 - Loan (LRR K, I) F2 - Loan	cries Draiservation servation crs.) (Type: C= Colo distinct sent	inage Class: Is Confirm MacConcentration, D=Deport or (Moist) 10YR 4/4 : w Surface (B) lace (B) lineral Matrix	very poorly apped Type? Mottles % 10 Indicators	Type Type C	Location M Muck (LRR K, L Prairie Redox (Iucky Peat of Peaturface (LRR K, Iucky Peat of Peaturface (LRR K, Iucky Peaturface (LRR K, Iucky Surface (LRR K, Iucky Surf	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) ce (LRR K, L, R) R K, L)
SOILS Map Unit Name: Taxonomy (Sub Profile Descrip Top Depth 0 14 NRCS Hydric S	group): tion (Describe to Bottom Depth 14 18	Wacousta silty clay Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface	Color 10YR 10YR ere if indic	Matrix (Moist) 2/1 3/1 cators ar	Field Obsence of indicate % 100 90 e not pre S8 - Polyw (LRR R, I) S9 - Thin (LRR R, I) F1 - Loam (LRR K, L) F2 - Loam F3 - Deple	cries Draiservation Servation Colc Colc distinct sent sent Jalue Below MLRA 149 Dark Surfa MLRA 149 The Muck Many Muck Many Muck Many Gleyed	inage Class: Is Confirm MacConcentration, D=Dep	very poorly apped Type? Mottles % 10 Indicators	Type Type C	Location M matic Soils Muck (LRR K, L Prairie Redox (I ucky Peat of Pea urface (LRR K, I ucky Peat of Pea aurface (LRR K, I ucky Peat of Pea urface (LRR K, I ucky Peat of Pea	Texture (e.g. clay, sand, loam) silt loam silty clay loam MLRA149B) LRR K, L, R) at (LRR K, L, R) L) ce (LRR K, L, R) R K, L) ses (LRR K, L, R)
SOILS Map Unit Name: Taxonomy (Sub Profile Descrip Top Depth 0 14 NRCS Hydric S	group): tion (Describe to Bottom Depth 14 18	Wacousta silty clay Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox	Color 10YR 10YR ere if indic	matrix (Moist) 2/1 3/1 cators ar	% 100 90 e not pre S8 - Polyv (LRR R, I) S9 - Thin (LRR R, I) F1 - Loan (LRR K, I) F2 - Loan F3 - Deple F6 - Redo	cries Draiservation Servation Colo distinct sent	inage Class: Is Confirm MacConcentration, D=Deport or (Moist) 10YR 4/4 W Surface B) Inneral Matrix x urface	very poorly apped Type? Mottles % 10 Indicators	Type Type C	Location M matic Soils Muck (LRR K, L Prairie Redox (I ucky Peat of Peaurface (LRR K, I ucky Peat of	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) Ce (LRR K, L) R K, L) Ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B)
SOILS Map Unit Name: Taxonomy (Sub Profile Descrip Top Depth 0 14 NRCS Hydric S	group): tion (Describe to Bottom Depth 14 18	Wacousta silty clay Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox d Matrix	Color 10YR 10YR ere if indicator	matrix (Moist) 2/1 3/1 cators ar	Field Obsence of indicate % 100 90 e not pre S8 - Polyw (LRR R, I) S9 - Thin (LRR R, I) F1 - Loam (LRR K, I) F2 - Loam F3 - Deple F6 - Redo	cries Draiservation Servation Colc Colc Colc Colc Colc Colc Colc Colc	inage Class: Is Confirm MacConcentration, D=Deport or (Moist) 10YR 4/4 : w Surface B) ace B) lineral Matrix x urface Surface Surface	very poorly apped Type? Mottles % 10 Indicators	Type Type C	Location M matic Soils Muck (LRR K, L Prairie Redox (I ucky Peat of Peaturface (LRR K, I ucky Peat of Peaturfa	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) Ce (LRR K, L) R K, L) Ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B)
SOILS Map Unit Name: Taxonomy (Sub Profile Descrip Top Depth 0 14 NRCS Hydric S	group): tion (Describe to Bottom Depth 14 18	Wacousta silty clay Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox	Color 10YR 10YR ere if indicator	matrix (Moist) 2/1 3/1 cators ar	Field Obsence of indicate % 100 90 e not pre S8 - Polyw (LRR R, I) S9 - Thin (LRR R, I) F1 - Loam (LRR K, I) F2 - Loam F3 - Deple F6 - Redo	cries Draiservation servation crs.) (Type: C= Colo distinct sent	inage Class: Is Confirm MacConcentration, D=Deport or (Moist) 10YR 4/4 : w Surface B) ace B) lineral Matrix x urface Surface Surface	very poorly apped Type? Mottles % 10 Indicators	Type Type C	Location M matic Soils Muck (LRR K, L Prairie Redox (I ucky Peat of Peaturface (LRR K, I ucky Peat of Peaturface (LRR K, I ucky Peaturface (LRR K, I uc	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) R K, L) ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B) urface
SOILS Map Unit Name: Taxonomy (Sub Profile Descrip Top Depth 0 14 NRCS Hydric S	group): tion (Describe to Bottom Depth 14 18	Wacousta silty clay Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox d Matrix	Color 10YR 10YR ere if indicator	matrix (Moist) 2/1 3/1 cators ar	Field Obsence of indicate % 100 90 e not pre S8 - Polyw (LRR R, I) S9 - Thin (LRR R, I) F1 - Loam (LRR K, I) F2 - Loam F3 - Deple F6 - Redo	cries Draiservation servation crs.) (Type: C= Colo distinct sent	inage Class: Is Confirm MacConcentration, D=Deport or (Moist) 10YR 4/4 : w Surface B) ace B) lineral Matrix x urface Surface Surface	very poorly apped Type? letion, RM=Reduced M Mottles % 10 Indicators Indicators Indicators	Type Type C	Location M matic Soils Muck (LRR K, L Prairie Redox (I ucky Peat of Peaturface (LRR K, I ucky Peat of Peaturface (LRR K, I ucky Peaturface (LRR K, I uc	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) R K, L) ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B)
SOILS Map Unit Name: Taxonomy (Sub Profile Descrip Top Depth 0 14 NRCS Hydric S	group): tion (Describe to Bottom Depth 14 18	Wacousta silty clay Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox Matrix Irface (LRR R, MLRA 1	Color 10YR 10YR ere if indicator	Matrix (Moist) 2/1 3/1 cators ar	Field Observe of indicate % 100 90	cries Draiservation servation crs.) (Type: C= Colo distinct sent	inage Class: Is Confirm MacConcentration, D=Deport or (Moist) 10YR 4/4 : w Surface B) ace B) lineral Matrix x urface Surface Surface	very poorly apped Type? Mottles % 10 Indicators Indicators Indicators Indicators Indicators Indicators Indicators Indicators Indicators	Type Type Type C C	Location M	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) Ce (LRR K, L) R K, L) Ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B) urface
SOILS Map Unit Name: Taxonomy (Sub Profile Descrip Top Depth 0 14 NRCS Hydric S	group): tion (Describe to Bottom Depth 14 18	Wacousta silty clay Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox Matrix Irface (LRR R, MLRA 1	Color 10YR 10YR ere if indicator	matrix (Moist) 2/1 3/1 cators ar	Field Obsence of indicate % 100 90 e not pre S8 - Polyw (LRR R, I) S9 - Thin (LRR R, I) F1 - Loam (LRR K, I) F2 - Loam F3 - Deple F6 - Redo	cries Drainservation servation crs.) (Type: C= Colo distinct sent	inage Class: Is Confirm MacConcentration, D=Deport or (Moist) 10YR 4/4 : w Surface B) ace B) lineral Matrix x urface Surface Surface	very poorly apped Type? letion, RM=Reduced M Mottles % 10 Indicators Indicators Indicators	Type Type Type C C	Location M	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) ce (LRR K, L, R) Ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B) urface
SOILS Map Unit Name: Taxonomy (Sub Profile Descrip Top Depth 0 14 NRCS Hydric S	group): tion (Describe to Bottom Depth 14 18	Wacousta silty clay Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox Matrix Irface (LRR R, MLRA 1	Color 10YR 10YR ere if indicator	Matrix (Moist) 2/1 3/1 cators ar	Field Observe of indicate % 100 90	cries Drainservation servation crs.) (Type: C= Colo distinct sent	inage Class: Is Confirm MacConcentration, D=Deport or (Moist) 10YR 4/4 : w Surface B) ace B) lineral Matrix x urface Surface Surface	very poorly apped Type? Mottles % 10 Indicators Indicators Indicators Indicators Indicators Indicators Indicators Indicators Indicators	Type Type Type C C	Location M	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) Ce (LRR K, L) R K, L) Ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B) urface



Northcentral and Northeast Region

Project/Site: Rockdale-W. Middleton - Seg. O Wetland ID: O(120)-W1 Sample Point P-2

VEGETATION	(Species identified in all uppercase are non-na	ative spe	cies.)		
Tree Stratum (Plo	ot size: 10 meter radius)			Ī	
	<u>Species Name</u>		<u>Dominant</u>	Ind.Status	Dominance Test Worksheet
1.	Ulmus americana	10	Y	FACW	Number of Dominant Species that are OBL, FACW, or
2.					FAC:4 (A)
3.					
4.					Total Number of Dominant Species Across All Strata: 4 (B)
5.					Percent of Dominant Species That Are OBL, FACW, or
6.					FAC: <u>100.0%</u> (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 55 x 1 = 55
	Total Cover =	10			FACW spp. 60 $\times 2 = 120$
					FAC spp. 10 $\times 3 = 30$
Sapling/Shrub Stra	atum (Plot size: 5 meter radius)				FACU spp. $0 x 4 = 0$
1.	RHAMNUS FRANGULA	10	Υ	FAC	UPL spp. $0 x 5 = 0$
2.					
3.					Total 125 (A) 205 (B)
4.					
5.					Prevalence Index = B/A = 1.640
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					☐ Yes ☑ No Rapid Test for Hydrophytic Vegetation
10.					☑Yes ☐ No Dominance Test is > 50%
10.	Total Cover =	10			☑ Yes □ No Prevalence Index is ≤ 3.0 *
	10141 00101 =	10			☐ Yes ☐ No Morphological Adaptations (Explain) *
Harh Stratum (Pla	t size: 2 meter radius)				☐ Yes ☐ No Problem Hydrophytic Vegetation (Explain) *
1.	PHALARIS ARUNDINACEA	50	Υ	FACW	Tes Troblem Tydrophylic Vegetation (Explain)
2.	TYPHA ANGUSTIFOLIA	35	Y	OBL	* Indicators of hydric soil and wetland hydrology must be
3.	Schoenoplectus tabernaemontani	10	 N	OBL	present, unless disturbed or problematic.
4.	Bolboschoenus fluviatilis	10	N	OBL	Definitions of Vegetation Strata:
5.					Deminions of Vegetation Strata.
6					Tree - Woody plants 3 in. (7.6cm) or more in
7.					diameter at breast height (DBH), regardless of
					heiaht.
8.					Sapling/Shrub - Woody plants less than 3 in. DBH and greater
9.					than 3.28 ft. tall.
10.					
11.					Harb All barbacagus (pap woody) plants
12.					Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than
13.					3 20 ft +all
14.					
15.					Woody Vines - All woody vines greater than 3.28 ft. in height.
	Total Cover =	105			
	um (Plot size: 10 meter radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present ☑ Yes ☐ No
5.					
4.					
	Total Cover =	0			
Remarks:	Wetland vegetation criteria is met				

Additional Remarks:



Stantec											
Project/Site:	Rockdale-V	V. Middleton - Seg.	0			Stante	c Project #:	193700008		Date:	10/24/11
Applicant:	ATC						-			County:	Dane
Investigator #1:	Funk J			Invest	igator #2:					State:	Wisconsin
Soil Unit:		silty clay loam					lassification:			Wetland ID:	
Landform:		only olay loan		Loc	al Relief:	-					
	hillslope	ا مائد ا	NI/A				'	Dotum	NI/A	Sample Point:	
Slope (%):	N/A	Latitude:			ongitude:			Datum:		Community ID:	: IVIEACIOW
•		ditions on the site ty			•	ı		☑ Yes □	No	Section:	
_		or Hydrology 🛚 sig	•			Are		ımstances pre	esent?	Township:	
Are Vegetation	\square , Soil \square ,	or Hydrology 🛭 nat	urally pro	oblemati	c?		☑ Yes	s □ No		Range:	Dir:
SUMMARY OF	FINDINGS										
Hydrophytic Ve	getation Pre	sent?		□ Yes	. ☑ No			Hydric Soils	Present?		☐ Yes ☑ No
Wetland Hydrol	ogy Present	?		☐ Yes	☑ No			Is This Samp	oling Point	Within A Wetla	and? ■ Yes ☑ No
Remarks:		mprised of a meado	w signifi	cantly hi	gher than	adjacen	t wetland are				
		•	· ·			•					
HYDROLOGY											
		ators (Check here i	f indicato	rs are n	ot present	t ☑):					
Primary:				_		_			Secondary:	•	
	A1 - Surface				B9 - Wate					B6 - Surface So	
ᅵ	A2 - High Wa				B13 - Aqu				님	B10 - Drainage	
l	A3 - Saturation B1 - Water M				B15 - Mar C1 - Hydro	•			님	B16 - Moss Trir C2 - Dry-Seaso	
l H	B2 - Sedime				-	•	spheres on Liv	ing Roots		C8 - Crayfish B	
l ä	B3 - Drift De	•					educed Iron	ing reous		•	Visible on Aerial Imagery
	B4 - Algal Ma						eduction in Tille	d Soils			Stressed Plants
	B5 - Iron Dep				C7 - Thin	Muck Surf	face			D2 - Geomorph	nic Position
	B7 - Inundati	on Visible on Aerial Im	agery		Other (Exp	plain)				D3 - Shallow A	quitard
	B8 - Sparsely	y Vegetated Concave S	Surface						_	D4 - Microtopo	
									Ш	D5 - FAC-Neut	ral lest
Field Observat	tions:										
Surface Water	Present?	☐ Yes ☑ No	Depth:		(in.)			Matley at the	-l l D-		. Vaa
Water Table Pr	esent?	 □ Yes ☑ No	Depth:	>18	(in.)			Wetland Hy	arology Pr	resent?] Yes ☑ No
Saturation Pres	ent?	□ Yes ☑ No	Depth:		(in.)						
			·					7 - 1-1 -	NI/A		
	•	eam gauge, monitori		enai pho	ios, previo	ous inspe	ctions), ii ava	liable:	N/A		
Remarks:	Wetland hy	drology criteria is n	ot met								
SOILS											
Map Unit Name) :	Wacousta silty clay									
Taxonomy (Sub		wacousta siity ciay	/ loam		Se	eries Dra	inage Class:	very poorly			
	group):	Typic Endoaquolls						very poorly apped Type?	☐ Yes	☑ No	
,	• , ,	Typic Endoaquolls		confirm the abs	Field Obs	servation	s Confirm M	apped Type?			_ocaiton: PL=Pore Lining, M=Matrix)
Profile Descrip	otion (Describe to	Typic Endoaquolls			Field Obs	servation	s Confirm M	apped Type? Diletion, RM=Reduced M			Locaiton: PL=Pore Lining, M=Matrix) Texture
Profile Descrip	Dtion (Describe to	Typic Endoaquolls the depth needed to document the	ne indicator or o	Matrix	Field Obs	servation	S Confirm M Concentration, D=Dep	apped Type? Diletion, RM=Reduced M Mottles	Matrix, CS=Covered	//Coated Sand Grains; L	Texture
Profile Descrip Top Depth	Bottom Depth	Typic Endoaquolls	color	Matrix (Moist)	Field Observe of indicato	rs.) (Type: C=	concentration, D=Dep	apped Type? Deletion, RM=Reduced M Mottles %	Type	/Coated Sand Grains; L	Texture (e.g. clay, sand, loam)
Profile Descrip Top Depth 0	Bottom Depth	Typic Endoaquolls the depth needed to document the Horizon 1	Color 10YR	Matrix (Moist) 2/2	Field Observe of indicato	rs.) (Type: C=	concentration, D=Deport (Moist)	apped Type? Deletion, RM=Reduced M Mottles %	Type	Location	Texture (e.g. clay, sand, loam) sandy loam
Top Depth 0 10	Bottom Depth 10 14	Typic Endoaquolls the depth needed to document the Horizon 1 2	Color 10YR 10YR	Matrix (Moist) 2/2 3/2	Field Observe of indicators % 100 100	rs.) (Type: C=	concentration, D=Dep	apped Type? Deletion, RM=Reduced M Mottles %	Type	/Coated Sand Grains; L	Texture (e.g. clay, sand, loam) sandy loam sandy loam
Profile Descrip Top Depth 0	Bottom Depth	Typic Endoaquolls the depth needed to document the Horizon 1	Color 10YR	Matrix (Moist) 2/2	Field Observe of indicato	rs.) (Type: C=	concentration, D=Deport (Moist)	apped Type? Deletion, RM=Reduced M Mottles %	Type	Location	Texture (e.g. clay, sand, loam) sandy loam
Top Depth 0 10	Bottom Depth 10 14	Typic Endoaquolls the depth needed to document the Horizon 1 2	Color 10YR 10YR	Matrix (Moist) 2/2 3/2	Field Observe of indicators % 100 100	colc	or (Moist)	apped Type? Deletion, RM=Reduced M Mottles %	Type	Location	Texture (e.g. clay, sand, loam) sandy loam sandy loam
Top Depth 0 10 14	Bottom Depth 10 14 18	Typic Endoaquolls the depth needed to document the Horizon 1 2 3	Color 10YR 10YR 10YR	Matrix (Moist) 2/2 3/2 4/4	% 100 100	colc	or (Moist)	apped Type? Deletion, RM=Reduced M Mottles %	Type	Location	Texture (e.g. clay, sand, loam) sandy loam sandy loam
Profile Descrip Top Depth 0 10 14	Bottom Depth 10 14 18	Typic Endoaquolls the depth needed to document the Horizon 1 2 3	Color 10YR 10YR 10YR	Matrix (Moist) 2/2 3/2 4/4 	% 100 100	Colc	or (Moist)	apped Type? Deletion, RM=Reduced M Mottles %	Type	Location	Texture (e.g. clay, sand, loam) sandy loam sandy loam loamy sand, gravelly
Profile Descrip Top Depth 0 10 14	Bottom Depth 10 14 18	Typic Endoaquolls the depth needed to document the Horizon 1 2 3	Color 10YR 10YR 10YR	Matrix (Moist) 2/2 3/2 4/4 	% 100 100	colc	or (Moist)	apped Type? Mottles %	Type	Location	Texture (e.g. clay, sand, loam) sandy loam sandy loam loamy sand, gravelly
Profile Descrip Top Depth 0 10 14	Bottom Depth 10 14 18	Typic Endoaquolls the depth needed to document the Horizon 1 2 3	Color 10YR 10YR 10YR	Matrix (Moist) 2/2 3/2 4/4 	% 100 100	colc	or (Moist)	apped Type? Mottles %	Type	Location	Texture (e.g. clay, sand, loam) sandy loam sandy loam loamy sand, gravelly
Profile Descrip Top Depth 0 10 14	Bottom Depth 10 14 18	Typic Endoaquolls the depth needed to document the Horizon 1 2 3	Color 10YR 10YR 10YR	Matrix (Moist) 2/2 3/2 4/4	% 100 100	Colc	or (Moist)	apped Type? Mottles %	Type	Location	Texture (e.g. clay, sand, loam) sandy loam sandy loam loamy sand, gravelly
Profile Descrip Top Depth 0 10 14 NRCS Hydric	Bottom Depth 10 14 18 Soil Field Ir	Typic Endoaquolls the depth needed to document the Horizon 1 2 3	Color 10YR 10YR 10YR	Matrix (Moist) 2/2 3/2 4/4 cators ar	% 100 100 100 re not pres	Colc sent Servation	or (Moist)	apped Type? Mottles % Indicators	Type	Location	Texture (e.g. clay, sand, loam) sandy loam sandy loam loamy sand, gravelly
Profile Descrip Top Depth 0 10 14 NRCS Hydric	Bottom Depth 10 14 18 Soil Field In	Typic Endoaquolls the depth needed to document the Horizon 1 2 3 andicators (check he	Color 10YR 10YR 10YR	Matrix (Moist) 2/2 3/2 4/4	% 100 100 re not pres	Colo	or (Moist)	apped Type? Mottles % Indicators	Type	Location	Texture (e.g. clay, sand, loam) sandy loam sandy loam loamy sand, gravelly
Profile Descrip Top Depth 0 10 14 NRCS Hydric	Bottom Depth 10 14 18 Soil Field Ir A1- Histosol A2 - Histic Ep	Typic Endoaquolls the depth needed to document the Horizon 1 2 3 ndicators (check head	Color 10YR 10YR 10YR	Matrix (Moist) 2/2 3/2 4/4 cators ar	% 100 100 100 re not pres	Colc sent ralue Belo //LRA 149	or (Moist)	apped Type? Mottles Mottles Indicators	Type	Location	Texture (e.g. clay, sand, loam) sandy loam sandy loam loamy sand, gravelly
Profile Descrip Top Depth 0 10 14 NRCS Hydric	Bottom Depth 10 14 18 Soil Field Ir A1- Histosol A2 - Histic El A3 - Black Hi	Typic Endoaquolls the depth needed to document it Horizon 1 2 3 ndicators (check head)	Color 10YR 10YR 10YR	Matrix (Moist) 2/2 3/2 4/4 cators ar	% 100 100 100 re not pres S8 - Polyv (LRR R, N	Colo sent ralue Belo MLRA 149 Dark Surfa	or (Moist)	apped Type? Mottles % Indicators	Type	Location	Texture (e.g. clay, sand, loam) sandy loam sandy loam loamy sand, gravelly
Profile Descrip Top Depth 0 10 14 NRCS Hydric	Bottom Depth 10 14 18 Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi	Typic Endoaquolls the depth needed to document the Horizon 1 2 3 ndicators (check he pipedon distic en Sulfide	Color 10YR 10YR 10YR	Matrix (Moist) 2/2 3/2 4/4 cators ar	% 100 100 100 re not pres S8 - Polyv (LRR R, N S9 - Thin (LRR R, N	Colc sent value Belo MLRA 149 Dark Surfa MLRA 149	or (Moist)	apped Type? Mottles Mottles Indicators	Type	Location	Texture (e.g. clay, sand, loam) sandy loam sandy loam loamy sand, gravelly
Profile Descrip Top Depth 0 10 14 NRCS Hydric	Bottom Depth 10 14 18 Soil Field Ir A1- Histosol A2 - Histic E A3 - Black Hi A4 - Hydroge A5 - Stratified	Typic Endoaquolls the depth needed to document the Horizon 1 2 3 ndicators (check he pipedon distic en Sulfide	Color 10YR 10YR 10YR ere if indi	Matrix (Moist) 2/2 3/2 4/4 cators an	% 100 100 100 re not pres S8 - Polyv (LRR R, N	COLC	or (Moist)	apped Type? Mottles % Indicators	Type	Location	Texture (e.g. clay, sand, loam) sandy loam sandy loam loamy sand, gravelly
Profile Descrip Top Depth 0 10 14 NRCS Hydric	Bottom Depth 10 14 18 Soil Field Ir A1- Histosol A2 - Histic E A3 - Black Hi A4 - Hydroge A5 - Stratified	Typic Endoaquolls the depth needed to document the Horizon 1 2 3 ndicators (check he bipedon distic en Sulfide data Layers ed Below Dark Surface ed Below Dark Sur	Color 10YR 10YR 10YR ere if indi	Matrix (Moist) 2/2 3/2 4/4 cators an	% 100 100 100 re not pres S8 - Polyv (LRR R, N S9 - Thin (LRR R, N F1 - Loam	Colc sent calue Belo MLRA 149 Dark Surfa MLRA 149 Dy Muck M	or (Moist)	apped Type? Mottles % Indicators	Type	Location	Texture (e.g. clay, sand, loam) sandy loam sandy loam loamy sand, gravelly
Profile Descrip Top Depth 0 10 14 NRCS Hydric	Bottom Depth 10 14 18 Soil Field Ir A1- Histosol A2 - Histic E _I A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete	Typic Endoaquolls the depth needed to document it Horizon 1 2 3 ndicators (check here) cipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface	Color 10YR 10YR 10YR ere if indi	Matrix (Moist) 2/2 3/2 4/4 cators an	% 100 100 100 re not pres S8 - Polyv (LRR R, N S9 - Thin (LRR R, N F1 - Loam (LRR K, L	Colo	or (Moist)	apped Type? Mottles % Indicators	Type	Location Locati	Texture (e.g. clay, sand, loam) sandy loam sandy loam loamy sand, gravelly
Profile Descrip Top Depth 0 10 14 NRCS Hydric	Bottom Depth 10 14 18 Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick I S1 - Sandy I	Typic Endoaquolls the depth needed to document it Horizon 1 2 3 ndicators (check here) cipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface	Color 10YR 10YR 10YR ere if indi	Matrix (Moist) 2/2 3/2 4/4 cators an	% 100 100 100 re not pres S8 - Polyv (LRR R, N S9 - Thin (LRR R, N F1 - Loam (LRR K, L F2 - Loam	Colc	or (Moist)	apped Type? Mottles % Indicators	Type	Location	Texture (e.g. clay, sand, loam) sandy loam sandy loam loamy sand, gravelly
Profile Descrip Top Depth 0 10 14 NRCS Hydric	Bottom Depth 10 14 18 Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick E S1 - Sandy E S5 - Sandy E	Typic Endoaquolls the depth needed to document it Horizon 1 2 3 adicators (check headippedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox	Color 10YR 10YR 10YR ere if indi	Matrix (Moist) 2/2 3/2 4/4 cators an	% 100 100 100 re not pres S8 - Polyv (LRR R, N S9 - Thin (LRR R, N F1 - Loam (LRR K, L F2 - Loam F3 - Deple F6 - Redo F7 - Deple	Colc	or (Moist)	apped Type? Mottles % Indicators	Type	Location	Texture (e.g. clay, sand, loam) sandy loam sandy loam loamy sand, gravelly MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) Ce (LRR K, L) Ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B)
Profile Descrip Top Depth 0 10 14 NRCS Hydric	Bottom Depth 10 14 18 Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick I S1 - Sandy I S4 - Sandy I S5 - Sandy I S6 - Stripped	Typic Endoaquolls the depth needed to document the Horizon 1 2 3 adicators (check he below Dark Surface Muck Mineral Gleyed Matrix Redox I Matrix	Color 10YR 10YR 10YR ere if indi	Matrix (Moist) 2/2 3/2 4/4 cators an	% 100 100 100 re not pres S8 - Polyv (LRR R, N S9 - Thin (LRR R, N F1 - Loam (LRR K, L F2 - Loam F3 - Deple F6 - Redo	Colc	or (Moist)	apped Type? Mottles % Indicators	Type	Location Locati	Texture (e.g. clay, sand, loam) sandy loam sandy loam loamy sand, gravelly MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) Ce (LRR K, L) Ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B)
Profile Descrip Top Depth 0 10 14 NRCS Hydric	Bottom Depth 10 14 18 Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick I S1 - Sandy I S4 - Sandy I S5 - Sandy I S6 - Stripped	Typic Endoaquolls the depth needed to document it Horizon 1 2 3 adicators (check headippedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox	Color 10YR 10YR 10YR ere if indi	Matrix (Moist) 2/2 3/2 4/4 cators an	% 100 100 100 re not pres S8 - Polyv (LRR R, N S9 - Thin (LRR R, N F1 - Loam (LRR K, L F2 - Loam F3 - Deple F6 - Redo F7 - Deple	Colc	or (Moist)	apped Type? Mottles % Indicators	Type	Location	Texture (e.g. clay, sand, loam) sandy loam sandy loam loamy sand, gravelly
Profile Descrip Top Depth 0 10 14 NRCS Hydric	Bottom Depth 10 14 18 Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick I S1 - Sandy I S4 - Sandy I S5 - Sandy I S6 - Stripped	Typic Endoaquolls the depth needed to document the Horizon 1 2 3 adicators (check he below Dark Surface Muck Mineral Gleyed Matrix Redox I Matrix	Color 10YR 10YR 10YR ere if indi	Matrix (Moist) 2/2 3/2 4/4 cators an	% 100 100 100 re not pres S8 - Polyv (LRR R, N S9 - Thin (LRR R, N F1 - Loam (LRR K, L F2 - Loam F3 - Deple F6 - Redo F7 - Deple	Colc	or (Moist)	apped Type? Indicators Indicators Indicators	Type	Location	Texture (e.g. clay, sand, loam) sandy loam sandy loam loamy sand, gravelly MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) Ce (LRR K, L) Ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B)
Profile Descrip Top Depth 0 10 14 NRCS Hydric	Bottom Depth 10 14 18 Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick E S1 - Sandy N S4 - Sandy N S4 - Sandy N S5 - Sandy F S6 - Stripped S7 - Dark Su	Typic Endoaquolls the depth needed to document the Horizon 1 2 3 ndicators (check he beingedon stic en Sulfide d Layers ed Below Dark Surface Muck Mineral Gleyed Matrix Redox I Matrix rface (LRR R, MLRA 1)	Color 10YR 10YR 10YR ere if indi	Matrix (Moist) 2/2 3/2 4/4 cators an	% 100 100 100 re not pres S8 - Polyv (LRR R, N S9 - Thin (LRR K, L F2 - Loam F3 - Deple F6 - Redo F7 - Deple F8 - Redo	Colc	or (Moist)	apped Type? Detion, RM=Reduced M Mottles % Indicators disturbed of	Type	Location	Texture (e.g. clay, sand, loam) sandy loam sandy loam loamy sand, gravelly
Profile Descrip Top Depth 0 10 14 NRCS Hydric	Bottom Depth 10 14 18 Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick I S1 - Sandy I S4 - Sandy I S5 - Sandy I S6 - Stripped	Typic Endoaquolls the depth needed to document the Horizon 1 2 3 ndicators (check he beingedon stic en Sulfide d Layers ed Below Dark Surface Muck Mineral Gleyed Matrix Redox I Matrix rface (LRR R, MLRA 1)	Color 10YR 10YR 10YR ere if indi	Matrix (Moist) 2/2 3/2 4/4 cators an	% 100 100 100 re not pres S8 - Polyv (LRR R, N S9 - Thin (LRR R, N F1 - Loam (LRR K, L F2 - Loam F3 - Deple F6 - Redo F7 - Deple	Colc	or (Moist)	apped Type? Indicators Indicators Indicators	Type	Location	Texture (e.g. clay, sand, loam) sandy loam sandy loam loamy sand, gravelly
Top Depth 0 10 14 NRCS Hydric	Bottom Depth 10 14 18 Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick E S1 - Sandy N S4 - Sandy N S4 - Sandy N S5 - Sandy F S6 - Stripped S7 - Dark Su Type:	Typic Endoaquolls the depth needed to document the Horizon 1 2 3 ndicators (check he beingedon stic en Sulfide d Layers ed Below Dark Surface Muck Mineral Gleyed Matrix Redox I Matrix rface (LRR R, MLRA 1)	Color 10YR 10YR 10YR ere if indi	Matrix (Moist) 2/2 3/2 4/4 cators ar	% 100 100 100 re not pres S8 - Polyv (LRR R, N S9 - Thin (LRR K, L F2 - Loam F3 - Deple F6 - Redo F7 - Deple F8 - Redo	Colc	or (Moist)	apped Type? Detion, RM=Reduced M Mottles % Indicators disturbed of	Type	Location	Texture (e.g. clay, sand, loam) sandy loam sandy loam loamy sand, gravelly



Northcentral and Northeast Region

Rockdale-W. Middleton - Seg. O Project/Site: Wetland ID: Sample Point P-3 **VEGETATION** (Species identified in all uppercase are non-native species.) Tree Stratum (Plot size: 10 meter radius) **Dominance Test Worksheet** Species Name % Cover Dominant Ind.Status 1. --Number of Dominant Species that are OBL, FACW, or 2. 3. 4. Total Number of Dominant Species Across All Strata: 3 (B) 5. Percent of Dominant Species That Are OBL, FACW, or 6. FAC: **33.3%** (A/B) ----7. 8. **Prevalence Index Worksheet** 9. Total % Cover of: Multiply by: 10. x 1 =OBL spp. Total Cover = x 2 =FACW spp. x 3 =FAC spp. 35 105 x 4 =Sapling/Shrub Stratum (Plot size: 5 meter radius) FACU spp. 15 25 x = 51. UPL spp. 125 2. 3. Total 75 (B) 4. 5. Prevalence Index = B/A = 3.867 6. --7. --8. **Hydrophytic Vegetation Indicators:** 9. □Yes ☑ No Rapid Test for Hydrophytic Vegetation 10. □Yes ✓ No Dominance Test is > 50% Total Cover = ✓ No □Yes Prevalence Index is ≤ 3.0 * □Yes ☑ No Morphological Adaptations (Explain) * ☑ No Herb Stratum (Plot size: 2 meter radius) □Yes Problem Hydrophytic Vegetation (Explain) * POA PRATENSIS 35 Υ 1. FAC * Indicators of hydric soil and wetland hydrology must be 2. 15 Υ **FACU** Solidago canadensis present, unless disturbed or problematic. **BROMUS INERMIS** Υ 3. 15 **UPL** DAUCUS CAROTA **Definitions of Vegetation Strata:** 4. 10 **UPL** Ν 5. Tree - Woody plants 3 in. (7.6cm) or more in 6 -diameter at breast height (DBH), regardless of 7. heiaht. 8. 9. Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft. tall. 10. 11. Herb - All herbaceous (non-woody) plants, 12. ---regardless of size, and woody plants less than 13. ----2 20 ft tall 14. **Woody Vines -** All woody vines greater than 3.28 ft. in height. 15. Total Cover = 75 Woody Vine Stratum (Plot size: 10 meter radius) 1. 2. --**Hydrophytic Vegetation Present** ☐ Yes ☑ No 3. 4. Total Cover = Remarks: Wetland vegetation criteria is not met

Additional Remarks:



Project/Site:											
		N. Middleton - Seg.	O			Stante	c Project #:	193700008		Date:	12/19/11
Applicant:	ATC									County:	Dane
Investigator #1:	Ihrig, J.			Investi	igator #2:					State:	Wisconsin
Soil Unit:	Orion silt lo	oam			NW	'I/WWI C	lassification:			Wetland ID:	O(0A)-W2
Landform:	depression	l		Loc	al Relief:	swale				Sample Point:	P-4
Slope (%):	N/A	Latitude:	N/A	L	ongitude:	N/A		Datum:	N/A	Community ID:	Wet meadow
• • •	rologic cond	ditions on the site typ	oical for				in in remarks)	☑ Yes □	No	Section:	
-		or Hydrology □ sigi			•			umstances pre	_	Township:	
_		or Hydrology □ nat	•				┌ Yes	•		Range:	Dir:
SUMMARY OF		or riyarology - Hat	draily pro	bioman	<i>.</i>					rtange.	DII.
		aant?		□ Voo	□ No			Lludria Caila	Drocont?		□ Voo □ No
Hydrophytic Ve				☑ Yes	_			Hydric Soils		\\/:th::- \\ \\/-th	☑ Yes ☐ No
Wetland Hydrol					□ No			is This Samp	oling Point	Within A Wetla	and? ☑ Yes ■ No
Remarks:	Depression	nal area within highw	vay inter	cnange							
HYDROLOGY											
Wetland Hydro	ology Indica	ators (Check here if	findicato	ors are no	ot presen	t □):					
Primary:	•	atoro (onook noro n	maioare	no aro m	ot procen	/.			Secondary:		
	A1 - Surface	Water			B9 - Wate	er-Stained	Leaves			B6 - Surface So	oil Cracks
_ _	A2 - High Wa	ater Table			B13 - Aqu					B10 - Drainage	
4	A3 - Saturation	on			B15 - Mai	rl Deposits	3			B16 - Moss Trir	m Lines
	B1 - Water M				C1 - Hydr	•				C2 - Dry-Seaso	
	B2 - Sedimer	-					ospheres on Liv	ing Roots		C8 - Crayfish B	
	B3 - Drift De						educed Iron	-l O-:1-	님		Visible on Aerial Imagery
	B4 - Algal Ma				C6 - Rece		eduction in Tille	ed Solls			Stressed Plants
	B5 - Iron Dep	องรแร ion Visible on Aerial Ima	agery	_	Other (Ex		iace		H	D2 - Geomorph D3 - Shallow A	
l		y Vegetated Concave S	•		Other (LX	φιαιτή				D4 - Microtopo	•
	Do Oparoon	y vogotatou comouvo c	Janaco							D5 - FAC-Neut	
Field Observat	ionei										
					<i>(</i> ;)						
Surface Water I		☐ Yes ☑ No	Depth:		(in.)			Wetland Hy	drology Pr	resent?	Yes □ No
Water Table Pre		☑ Yes □ No	Depth:	_	(in.)				O,		_
Saturation Pres	ent?		Depth:	surf.	(in.)						
Describe Descri									λ1/A		
Describe Record	ed Data (str	eam gauge, monitorir	ng well, a	erial pho	tos, previo	ous inspe	ctions), if ava	ilable:	N/A		
	`	eam gauge, monitorir		erial pho	tos, previo	ous inspe	ctions), if ava	ilable:	N/A		
Remarks:	`	eam gauge, monitoring drology criteria is m		erial pho	tos, previo	ous inspe	ctions), if ava	ilable:	N/A		
Remarks:	`			erial pho	tos, previo	ous inspe	ections), if ava	ilable:	N/A		
Remarks:	Wetland hy	/drology criteria is m		erial pho			,				
Remarks: SOILS Map Unit Name	Wetland hy	/drology criteria is m Orion silt loam		erial pho	Se	eries Dra	inage Class:	poorly to son	newhat pod		
Remarks: SOILS Map Unit Name Taxonomy (Sub	Wetland hy : group):	/drology criteria is m Orion silt loam Aquic Udifluvents	et.		Se Field Ob	eries Dra servation	inage Class: ns Confirm M	poorly to son apped Type?	newhat poo □ Yes	☑ No	
Remarks: SOILS Map Unit Name Taxonomy (Sub	Wetland hy : group):	/drology criteria is m Orion silt loam Aquic Udifluvents	et.	confirm the abs	Se Field Obs	eries Dra servation	inage Class: ns Confirm M	poorly to son apped Type?	newhat poo □ Yes	☑ No	ocaiton: PL=Pore Lining, M=Matrix)
Remarks: SOILS Map Unit Name Taxonomy (Sub	Wetland hy : group):	/drology criteria is m Orion silt loam Aquic Udifluvents	et.		Se Field Obs	eries Dra servation	inage Class: ns Confirm M	poorly to son apped Type? pletion, RM=Reduced M Mottles	newhat poo □ Yes	☑ No	Texture
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip	Wetland hy group): tion (Describe to	/drology criteria is m Orion silt loam Aquic Udifluvents	e indicator or o	confirm the abs	Se Field Obs	eries Dra servation	inage Class: ns Confirm M	poorly to son apped Type?	newhat poo □ Yes	☑ No	Texture
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top	Wetland hy group): tion (Describe to	Orion silt loam Aquic Udifluvents the depth needed to document the	e indicator or o	confirm the abs	Se Field Observe of indicate	eries Dra servation	inage Class: ns Confirm M Concentration, D=Dep	poorly to son apped Type? pletion, RM=Reduced M Mottles	newhat poo	☑ No I/Coated Sand Grains; L	Texture
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth	wetland hy group): tion (Describe to Bottom Depth	Orion silt loam Aquic Udifluvents the depth needed to document the	e indicator or c Color 10YR	matrix (Moist) 2/1	Serield Observe of indicate	eries Dra servation ors.) (Type: C=	inage Class: as Confirm M Concentration, D=Dep	poorly to son apped Type? pletion, RM=Reduced M Mottles %	newhat poor Yes Matrix, CS=Covered Type	✓ No //Coated Sand Grains; L Location	Texture (e.g. clay, sand, loam) muck
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0	Wetland hy group): tion (Describe to Bottom Depth 18+	Orion silt loam Aquic Udifluvents the depth needed to document the Horizon 1	e indicator or color Color 10YR 10YR	Matrix (Moist) 2/1 3/1	Field Observe of indicate %	eries Dra servation ors.) (Type: C=	inage Class: as Confirm M Concentration, D=Depor or (Moist) 7.5YR 4/4	poorly to son apped Type? pletion, RM=Reduced M Mottles %	newhat poor	No //Coated Sand Grains; L Location M	Texture (e.g. clay, sand, loam) muck silty clay loam
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0	wetland hy group): tion (Describe to Depth 18+	Orion silt loam Aquic Udifluvents the depth needed to document the	e indicator or c Color 10YR 10YR	matrix (Moist) 2/1	Serield Observe of indicate % 80 20	eries Dra servation ors.) (Type: C=	inage Class: as Confirm M Concentration, D=Depor or (Moist) 7.5YR 4/4	poorly to son apped Type? pletion, RM=Reduced M Mottles % 5	newhat poor	No //Coated Sand Grains; L Location M	Texture (e.g. clay, sand, loam) muck silty clay loam
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0	wetland hy group): tion (Describe to Depth 18+	Orion silt loam Aquic Udifluvents the depth needed to document the Horizon 1	e indicator or o	Matrix (Moist) 2/1 3/1	Serield Observe of indicators % 80 20	eries Dra servation ors.) (Type: C=	inage Class: as Confirm M Concentration, D=Dep or (Moist) 7.5YR 4/4	poorly to son apped Type? pletion, RM=Reduced M Mottles % 5	newhat poor Yes // Yes // Atrix, CS=Covered Type C	VOated Sand Grains; L Location M	Texture (e.g. clay, sand, loam) muck silty clay loam
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0	Wetland hy group): tion (Describe to Depth 18+	Orion silt loam Aquic Udifluvents the depth needed to document the	e indicator or c Color 10YR 10YR	Matrix (Moist) 2/1 3/1	Serield Observe of indicators % 80 20	eries Dra servation ors.) (Type: C=	inage Class: as Confirm M Concentration, D=Depor or (Moist) 7.5YR 4/4	poorly to son apped Type? pletion, RM=Reduced M Mottles % 5	newhat poor	No //Coated Sand Grains; L Location M	Texture (e.g. clay, sand, loam) muck silty clay loam
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0	wetland hy group): tion (Describe to Depth 18+	Orion silt loam Aquic Udifluvents the depth needed to document the Horizon 1	e indicator or o	Matrix (Moist) 2/1 3/1	Serield Observe of indicators % 80 20	eries Dra servation ors.) (Type: C=	inage Class: as Confirm M Concentration, D=Dep or (Moist) 7.5YR 4/4	poorly to son apped Type? pletion, RM=Reduced M Mottles % 5	newhat poor Yes // Yes // Atrix, CS=Covered Type C	VOated Sand Grains; L Location M	Texture (e.g. clay, sand, loam) muck silty clay loam
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0	Wetland hy group): tion (Describe to Depth 18+	Orion silt loam Aquic Udifluvents The depth needed to document the Horizon 1	e indicator or color 10YR 10YR	Matrix (Moist) 2/1 3/1	Serield Observe of indicators % 80 20	eries Dra servation ors.) (Type: C= Colo distinct	inage Class: as Confirm M Concentration, D=Depor (Moist) 7.5YR 4/4	poorly to son apped Type? pletion, RM=Reduced M Mottles % 5	newhat poor Yes Matrix, CS=Covered Type C	No //Coated Sand Grains; L Location M	Texture (e.g. clay, sand, loam) muck silty clay loam
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0	Wetland hy group): tion (Describe to Depth 18+	Orion silt loam Aquic Udifluvents The depth needed to document the Horizon 1	e indicator or of Color 10YR 10YR	Matrix (Moist) 2/1 3/1	Serield Observe of indicators % 80 20	eries Dra servation ors.) (Type: C= Colo distinct	inage Class: ns Confirm M Concentration, D=Depor or (Moist) 7.5YR 4/4	poorly to son apped Type? pletion, RM=Reduced M Mottles % 5	newhat poor Yes Matrix, CS=Covered Type C	No //Coated Sand Grains; L Location M	Texture (e.g. clay, sand, loam) muck silty clay loam
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0	Wetland hy group): tion (Describe to Depth 18+	Orion silt loam Aquic Udifluvents The depth needed to document the Horizon 1	e indicator or of Color 10YR 10YR	Matrix (Moist) 2/1 3/1	Serield Observe of indicators with the series of indicators with t	eries Dra servation ors.) (Type: C= Colo distinct	inage Class: as Confirm M Concentration, D=Dep or (Moist) 7.5YR 4/4	poorly to son apped Type? pletion, RM=Reduced M Mottles % 5	Type C	No //Coated Sand Grains; L Location M	Texture (e.g. clay, sand, loam) muck silty clay loam
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0	Wetland hy group): tion (Describe to Depth 18+	Orion silt loam Aquic Udifluvents the depth needed to document the Horizon 1	e indicator or of Color 10YR 10YR	Matrix (Moist) 2/1 3/1	Serield Observed of indicators	eries Dra servation ors.) (Type: C= Colo distinct esent recipies Dra servation	inage Class: as Confirm M Concentration, D=Dep or (Moist) 7.5YR 4/4	poorly to son apped Type? pletion, RM=Reduced M	Type C s for Problem	No //Coated Sand Grains; L Location M	Texture (e.g. clay, sand, loam) muck silty clay loam
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 NRCS Hydric S	Wetland hy group): tion (Describe to Bottom Depth 18+ Soil Field In	Orion silt loam Aquic Udifluvents the depth needed to document the Horizon 1 ndicators (check he	e indicator or of Color 10YR 10YR	Matrix (Moist) 2/1 3/1 cators ar	Serield Observe of indicators % 80 20 re not pre S8 - Polyv	eries Dra servation ors.) (Type: C= Colo distinct esent recipies Dra servation	inage Class: as Confirm M Concentration, D=Dep or (Moist) 7.5YR 4/4	poorly to son apped Type? pletion, RM=Reduced M Mottles % 5 Indicators	Type C sfor Problem A10 - 2 cm	No //Coated Sand Grains; L Location M matic Soils 1	Texture (e.g. clay, sand, loam) muck silty clay loam
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 NRCS Hydric S	Wetland hy group): tion (Describe to Bottom Depth 18+ Soil Field In A1- Histosol	Orion silt loam Aquic Udifluvents the depth needed to document the Horizon 1 ndicators (check he	e indicator or of Color 10YR 10YR	Matrix (Moist) 2/1 3/1 cators ar	Serield Observe of indicate % 80 20 e not pre S8 - Polyw (LRR R, I	eries Dra servation ors.) (Type: C= Colo distinct esent value Belo	inage Class: as Confirm M Concentration, D=Deport or (Moist) 7.5YR 4/4	poorly to son apped Type? pletion, RM=Reduced M Mottles % 5 Indicators	Type Type C for Problen A10 - 2 cm A16 - Coast	Location M matic Soils No No No No No No No No No N	Texture (e.g. clay, sand, loam) muck silty clay loam , MLRA149B) LRR K, L, R)
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 NRCS Hydric S	Wetland hy group): tion (Describe to Bottom Depth 18+ Soil Field Ir A1- Histosol A2 - Histic E	Orion silt loam Aquic Udifluvents The depth needed to document the Horizon 1 ndicators (check he	e indicator or of Color 10YR 10YR	Matrix (Moist) 2/1 3/1 cators ar	Serield Observed of indicators % 80 20 e not pre S8 - Polyw (LRR R, I	eries Dra servation ors.) (Type: C= Colo distinct esent □ value Belo MLRA 149	inage Class: as Confirm M Concentration, D=Dep or (Moist) 7.5YR 4/4	poorly to son apped Type? pletion, RM=Reduced M	Type Type C	Location M matic Soils Prairie Redox (lucky Peat of Peaturface (LRR K, L	Texture (e.g. clay, sand, loam) muck silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) L)
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Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 NRCS Hydric S	Wetland hy group): tion (Describe to Bottom Depth 18+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick I	Orion silt loam Aquic Udifluvents The depth needed to document the Horizon 1	e indicator or of Color 10YR 10YR ere if indicator or of Color 10YR 10YR 10YR	Matrix (Moist) 2/1 3/1 cators ar	Serield Observe of indicators % 80 20 e not pre S8 - Polyv (LRR R, I) S9 - Thin (LRR R, I) F1 - Loan (LRR K, I) F2 - Loan	eries Dra servation ors.) (Type: C= Colo distinct value Belo MLRA 149 Dark Surfa MLRA 149 ny Muck M L) ny Gleyed	inage Class: as Confirm M Concentration, D=Dep or (Moist) 7.5YR 4/4 bw Surface BB) ace BB) Inneral Matrix	poorly to son apped Type? pletion, RM=Reduced M Mottles % 5 Indicators	Type Type C	Location Location M matic Soils Muck (LRR K, L Prairie Redox (I ucky Peat of Pea urface (LRR K, I lue Below Surface ark Surface (LRI Manganese Mass	Texture (e.g. clay, sand, loam) muck silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) ce (LRR K, L) ses (LRR K, L, R)
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 NRCS Hydric S	Wetland hy group): tion (Describe to Bottom Depth 18+ Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick Ep S1 - Sandy N	Orion silt loam Aquic Udifluvents The depth needed to document the Horizon 1 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral	e indicator or of Color 10YR 10YR ere if indicator or of Color 10YR 10YR 10YR	Matrix (Moist) 2/1 3/1 cators ar	Field Observe of indicate % 80 20	eries Dra servation ors.) (Type: C= Colo distinct value Belo MLRA 149 Dark Surfa MLRA 149 ny Muck M L) ny Gleyed eted Matrix	inage Class: as Confirm M Concentration, D=Deport or (Moist) 7.5YR 4/4 in w Surface OB) ace OB) dineral Matrix x	poorly to son apped Type? pletion, RM=Reduced M Mottles % 5 Indicators	Type Type C Type Typ	Location Location M matic Soils Muck (LRR K, L Prairie Redox (l ucky Peat of Pea urface (LRR K, I lue Below Surface ark Surface (LRI Manganese Mass	Texture (e.g. clay, sand, loam) muck silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) ce (LRR K, L, R) ce (LRR K, L) ses (LRR K, L, R) Soils (MLRA 149B)
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 NRCS Hydric S	Wetland hy group): tion (Describe to Bottom Depth 18+ Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick I S1 - Sandy I S4 - Sandy I	Orion silt loam Aquic Udifluvents The depth needed to document the Horizon 1	e indicator or of Color 10YR 10YR ere if indicator or of Color 10YR 10YR 10YR	Matrix (Moist) 2/1 3/1 cators ar	Serield Observe of indicators % 80 20	eries Dra servation ors.) (Type: C= Colo distinct value Belo MLRA 149 Dark Surfa MLRA 149 ny Muck M L) ny Gleyed eted Matrix ox Dark Sur	inage Class: as Confirm M Concentration, D=Dep or (Moist) 7.5YR 4/4): ow Surface OB) ace OB) dineral Matrix x urface	poorly to son apped Type? pletion, RM=Reduced M Mottles % 5 Indicators	Type Type C	Location Location M matic Soils Muck (LRR K, L Prairie Redox (I ucky Peat of Pea urface (LRR K, I lue Below Surface ark Surface (LRI Manganese Mass nont Floodplain S Spodic (MLRA	Texture (e.g. clay, sand, loam) muck silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) ce (LRR K, L) ses (LRR K, L, R)
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 NRCS Hydric S	Wetland hy group): tion (Describe to Bottom Depth 18+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick E S1 - Sandy N S4 - Sandy R S5 - Sandy R	Orion silt loam Aquic Udifluvents The depth needed to document the Horizon 1 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox	e indicator or of Color 10YR 10YR ere if indicator or of Color 10YR 10YR 10YR	matrix (Moist) 2/1 3/1 cators ar	Serield Observe of indicate % 80 20	eries Dra servation ors.) (Type: C= Colo distinct value Belo MLRA 149 Dark Surfa MLRA 149 ny Muck M L) ny Gleyed eted Matrix ox Dark Surfa eted Dark	inage Class: as Confirm M Concentration, D=Deport or (Moist) 7.5YR 4/4 inage Class: as Confirm M 7.5YR 4/4 W Surface BB) ace BB) dineral Matrix x urface Surface Surface	poorly to son apped Type? pletion, RM=Reduced M Mottles % 5 Indicators	Type Type C Type Typ	Location Locati	Texture (e.g. clay, sand, loam) muck silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) ce (LRR K, L, R) ce (LRR K, L) ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B)
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0	Wetland hy group): tion (Describe to Bottom Depth 18+ Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick Ep S1 - Sandy N S4 - Sandy N S4 - Sandy N S5 - Sandy R S6 - Stripped	Orion silt loam Aquic Udifluvents The depth needed to document the Horizon 1	e indicator or of Color 10YR 10YR ere if indicator or of Color 10YR 10YR 10YR 10YR 10YR 10YR 10YR 10YR	Matrix (Moist) 2/1 3/1 cators ar	Serield Observe of indicate % 80 20	eries Dra servation ors.) (Type: C= Colo distinct value Belo MLRA 149 Dark Surfa MLRA 149 ny Muck M L) ny Gleyed eted Matrix ox Dark Sur	inage Class: as Confirm M Concentration, D=Deport or (Moist) 7.5YR 4/4 inage Class: as Confirm M 7.5YR 4/4 W Surface BB) ace BB) dineral Matrix x urface Surface Surface	poorly to son apped Type? pletion, RM=Reduced M Mottles % 5 Indicators	Type Type C Type C	Location Location Location M Location IM Location IM Location IM Location IM Location IM Location IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Texture (e.g. clay, sand, loam) muck silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) ce (LRR K, L, R) ce (LRR K, L) ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B)
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 NRCS Hydric S	Wetland hy group): tion (Describe to Bottom Depth 18+ Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick Ep S1 - Sandy N S4 - Sandy N S4 - Sandy N S5 - Sandy R S6 - Stripped	Orion silt loam Aquic Udifluvents The depth needed to document the Horizon 1 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox	e indicator or of Color 10YR 10YR ere if indicator or of Color 10YR 10YR 10YR 10YR 10YR 10YR 10YR 10YR	matrix (Moist) 2/1 3/1 cators ar	Serield Observe of indicate % 80 20	eries Dra servation ors.) (Type: C= Colo distinct value Belo MLRA 149 Dark Surfa MLRA 149 ny Muck M L) ny Gleyed eted Matrix ox Dark Surfa eted Dark	inage Class: as Confirm M Concentration, D=Deport or (Moist) 7.5YR 4/4 inage Class: as Confirm M 7.5YR 4/4 W Surface BB) ace BB) dineral Matrix x urface Surface Surface	poorly to son apped Type? pletion, RM=Reduced M Mottles % Indicators	Type Type Type C Type C Type C Type C Type C Type Typ	Location Locati	Texture (e.g. clay, sand, loam) muck silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) ce (LRR K, L, R) ce (LRR K, L) ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B)
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 NRCS Hydric S	Wetland hy group): tion (Describe to Bottom Depth 18+ Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick Ep S1 - Sandy N S4 - Sandy N S4 - Sandy N S5 - Sandy R S6 - Stripped	Orion silt loam Aquic Udifluvents The depth needed to document the Horizon 1	e indicator or of Color 10YR 10YR ere if indicator or of Color 10YR 10YR 10YR 10YR 10YR 10YR 10YR 10YR	matrix (Moist) 2/1 3/1 cators ar	Serield Observe of indicate % 80 20	eries Dra servation ors.) (Type: C= Colo distinct value Belo MLRA 149 Dark Surfa MLRA 149 ny Muck M L) ny Gleyed eted Matrix ox Dark Surfa eted Dark	inage Class: as Confirm M Concentration, D=Deport or (Moist) 7.5YR 4/4 inage Class: as Confirm M 7.5YR 4/4 W Surface BB) ace BB) dineral Matrix x urface Surface Surface	poorly to son apped Type? pletion, RM=Reduced M Mottles % Indicators	Type Type Type C Type C	Location Locati	Texture (e.g. clay, sand, loam) muck silty clay loam , MLRA149B) LRR K, L, R) et (LRR K, L, R) Ce (LRR K, L, R) Ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B) urface
Remarks: SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0	Wetland hy group): tion (Describe to Bottom Depth 18+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick E S1 - Sandy N S4 - Sandy N S4 - Sandy N S5 - Sandy R S6 - Stripped S7 - Dark Su Type:	Orion silt loam Aquic Udifluvents The depth needed to document the Horizon 1 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox d Matrix Irface (LRR R, MLRA 1	e indicator or of Color 10YR 10YR ere if indicator or of Color 10YR 10YR 10YR 10YR 10YR 10YR 10YR 10YR	matrix (Moist) 2/1 3/1 cators ar	Serield Observe of indicate % 80 20	eries Dra servation ors.) (Type: C= Colo distinct value Belo MLRA 149 Dark Surfa MLRA 149 ny Muck M L) ny Gleyed eted Matrix ox Dark Surfa eted Dark	inage Class: as Confirm M Concentration, D=Deport or (Moist) 7.5YR 4/4 inage Class: as Confirm M 7.5YR 4/4 W Surface BB) ace BB) dineral Matrix x urface Surface Surface	poorly to son apped Type? pletion, RM=Reduced M Mottles % Indicators	Type Type Type C Type C Type C Type C Type C Type Typ	Location Locati	Texture (e.g. clay, sand, loam) muck silty clay loam , MLRA149B) LRR K, L, R) et (LRR K, L, R) Ce (LRR K, L, R) Ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B) urface



Northcentral and Northeast Region

Rockdale-W. Middleton - Seg. O Project/Site: Wetland ID: O(0A)-W2 Sample Point **VEGETATION** (Species identified in all uppercase are non-native species.) Tree Stratum (Plot size: 10 meter radius) **Dominance Test Worksheet** Species Name % Cover Dominant Ind.Status 1. Number of Dominant Species that are OBL, FACW, or 2. 3. 4. Total Number of Dominant Species Across All Strata: 1 (B) 5. Percent of Dominant Species That Are OBL, FACW, or 6. FAC: **100.0%** (A/B) ----7. 8. **Prevalence Index Worksheet** 9. Total % Cover of: Multiply by: 10. x 1 =OBL spp. Total Cover = FACW spp. x 2 =x 3 =FAC spp. x 4 =Sapling/Shrub Stratum (Plot size: 5 meter radius) FACU spp. UPL spp. x = 51. 2. 3. Total 100 200 (B) 4. 5. Prevalence Index = B/A = 2.000 6. --7. --8. **Hydrophytic Vegetation Indicators:** 9. ☑Yes □ No Rapid Test for Hydrophytic Vegetation 10. ☑Yes □ No Dominance Test is > 50% Total Cover = □ No ✓ Yes
 Prevalence Index is ≤ 3.0 * □Yes ☑ No Morphological Adaptations (Explain) * ☑ No Herb Stratum (Plot size: 2 meter radius) □Yes Problem Hydrophytic Vegetation (Explain) * PHALARIS ARUNDINACEA 100 Υ **FACW** 1. * Indicators of hydric soil and wetland hydrology must be 2. present, unless disturbed or problematic. 3. **Definitions of Vegetation Strata:** 4. 5. Tree - Woody plants 3 in. (7.6cm) or more in 6 -diameter at breast height (DBH), regardless of 7. heiaht. 8. 9. Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft. tall. 10. 11. Herb - All herbaceous (non-woody) plants, 12. ---regardless of size, and woody plants less than 13. ----2 20 ft tall 14. **Woody Vines -** All woody vines greater than 3.28 ft. in height. 15. Total Cover = 100 Woody Vine Stratum (Plot size: 10 meter radius) 1. 2. --**Hydrophytic Vegetation Present** ☑ Yes □ No 3.

Additional Remarks:

4.

Remarks:

All three wetland criteria are met; area considered to be wetland

Wetland vegetation criteria is met

Total Cover =



Stantec											
Project/Site:	Rockdale-\	W. Middleton - Seg.	0			Stante	c Project #:	193700008		Date:	12/19/11
Applicant:	ATC									County:	Dane
Investigator #1:	Ihrig, J.			Investi	igator #2:					State:	Wisconsin
Soil Unit:	Orion silt lo	oam			NW	I/WWI C	lassification:			Wetland ID:	
Landform:	Disturbed i	nterchange area		Loc	al Relief:	Slight sl	ope			Sample Point:	P-5
Slope (%):	N/A	Latitude:	N/A	L	ongitude:	N/A		Datum:	N/A	Community ID:	: Upland meadow
Are climatic/hyd	Irologic cond	ditions on the site typ	oical for t	this time	of year?	(If no, explai	in in remarks)	☑ Yes □	No	Section:	
·		or Hydrology □ sigr			•	1		ımstances pre	esent?	Township:	
_		or Hydrology □ nat	-					•		Range:	Dir:
SUMMARY OF		,						_		i ionige i	
Hydrophytic Veg		sent?		□ Yes	☑ No			Hydric Soils	Present?		
Wetland Hydrol				☐ Yes	_					Within A Wetla	
Remarks:		hin highway intercha	ange are:				sociated P-4		Jillig i Ollik	vvidili A vved	
i Kemarks.	Occurs with	Till Tilgriway interent	inge area	a, siigiiti	y Cicvatot	a morn as	30Clated 1 -4				
LIVEROLOGY											
HYDROLOGY											
Wetland Hydro	ology Indica	ators (Check here if	findicato	ors are no	ot present	t ☑):					
<u>Primary:</u>	_								Secondary:		
	A1 - Surface				B9 - Wate					B6 - Surface So	
	A2 - High Wa				B13 - Aqu					B10 - Drainage	
	A3 - Saturati				B15 - Mar	•			님	B16 - Moss Tri	
	B1 - Water M B2 - Sedime				C1 - Hydr	_	ae Oaor spheres on Liv	ing Poots		C2 - Dry-Seaso C8 - Crayfish B	
l	B3 - Drift De						educed Iron	ring ixoots		-	Visible on Aerial Imagery
l H	B4 - Algal Ma						eduction in Tille	d Soils	H		Stressed Plants
	B5 - Iron Dep				C7 - Thin					D2 - Geomorph	
		ion Visible on Aerial Ima	agery		Other (Ex	plain)				D3 - Shallow A	
	B8 - Sparsely	y Vegetated Concave S	Surface							D4 - Microtopo	= -
										D5 - FAC-Neut	ral Test
Field Observat	ions:										
Surface Water I	Present?	☐ Yes ☑ No	Depth:		(in.)						- V — N
Water Table Pre	esent?	☐ Yes ☑ No	Depth:		(in.)			Wetland Hy	drology Pr	resent?] Yes ☑ No
Saturation Pres	ent?	☐ Yes ☑ No	Depth:		(in.)						
			•			!	ational if and	Uabla.	N/A		
Describe Record	en Data Istr										
<u> </u>	· · · · · · · · · · · · · · · · · · ·	eam gauge, monitorir		ieriai prio	tos, previo	ous inspe	ctions), ii avai	liable:	IN/A		
Remarks:	· · · · · · · · · · · · · · · · · · ·	drology criteria is no		ieriai prio	tos, previo	ous inspe	ctions), ii avai	liable.	IN/A		
	· · · · · · · · · · · · · · · · · · ·			ienai prio	tos, previo	ous inspe	ctions), ii avai	liable:	N/A		
Remarks:	· · · · · · · · · · · · · · · · · · ·			leriai prio	tos, previo	ous inspe	ctions), ii avai	liable:	IV/A		
	Wetland hy			ienai prio		·		poorly to son		orly	
SOILS	Wetland hy	drology criteria is no		ienai prio	Se	eries Dra	inage Class:		newhat poc		
SOILS Map Unit Name Taxonomy (Sub	Wetland hy	orion silt loam Aquic Udifluvents	ot met		Se Field Obs	eries Dra	inage Class: s Confirm Ma	poorly to son apped Type?	newhat pod ☐ Yes	☑ No	ocaiton: PL=Pore Lining, M=Matrix)
SOILS Map Unit Name Taxonomy (Sub	Wetland hy	orion silt loam Aquic Udifluvents	ot met		Se Field Obs	eries Dra	inage Class: s Confirm Ma	poorly to son apped Type?	newhat pod ☐ Yes	☑ No	Locaiton: PL=Pore Lining, M=Matrix) Texture
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top	Wetland hy group): otion (Describe to Bottom	orion silt loam Aquic Udifluvents	e indicator or c	confirm the abs	Se Field Obs	eries Dra servation	inage Class: s Confirm Ma	poorly to son apped Type?	newhat poo	☑ No	Texture
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth	wetland hy group): otion (Describe to Bottom Depth	Orion silt loam Aquic Udifluvents of the depth needed to document the	e indicator or c	confirm the abs Matrix (Moist)	Se Field Obsence of indicato	eries Dra servation	inage Class: s Confirm Ma Concentration, D=Dep	poorly to son apped Type? oletion, RM=Reduced M Mottles	newhat pod ☐ Yes	☑ No //Coated Sand Grains; L	Texture (e.g. clay, sand, loam)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0	wetland hy escribe to Bottom Depth 4	Orion silt loam Aquic Udifluvents the depth needed to document the	e indicator or co	Matrix (Moist) 2/2	Serield Observe of indicators % 100	eries Draservation ors.) (Type: C=	inage Class: s Confirm Ma Concentration, D=Dep	poorly to son apped Type? Deletion, RM=Reduced M Mottles %	newhat poor Yes Matrix, CS=Covered Type	☑ No //Coated Sand Grains; L	Texture (e.g. clay, sand, loam) silt loam
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SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4	Wetland hy group): pgroup): Bottom Depth 4 12	Orion silt loam Aquic Udifluvents the depth needed to document the Horizon 1 2	e indicator or color 10YR 10YR 10YR	Matrix (Moist) 2/2 2/1 3/1	Serield Observe of indicators % 100 70 30	eries Drasservation Servation Colc distinct	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4	poorly to son apped Type? Deletion, RM=Reduced M Mottles %	newhat poor Yes Matrix, CS=Covered Type C	✓ No //Coated Sand Grains; L Location M	Texture (e.g. clay, sand, loam) silt loam silty clay loam silty clay loam
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0	wetland hy escribe to Bottom Depth 4	Orion silt loam Aquic Udifluvents the depth needed to document the	e indicator or color 10YR 10YR	Matrix (Moist) 2/2 2/1	Field Observe of indicators % 100 70	eries Drasservation Servation Ors.) (Type: C=	inage Class: as Confirm Ma Concentration, D=Dep or (Moist)	poorly to son apped Type? Deletion, RM=Reduced M Mottles % 	newhat pool Yes Matrix, CS=Covered Type	✓ No //Coated Sand Grains; L Location	Texture (e.g. clay, sand, loam) silt loam silty clay loam
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4	Wetland hy group): pgroup): Bottom Depth 4 12	Orion silt loam Aquic Udifluvents the depth needed to document the Horizon 1 2	e indicator or color 10YR 10YR 10YR	Matrix (Moist) 2/2 2/1 3/1	Serield Observe of indicators % 100 70 30	eries Drasservation Servation Colc distinct	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4	poorly to son apped Type? Deletion, RM=Reduced M Mottles % 	newhat poor Yes Matrix, CS=Covered Type C	✓ No //Coated Sand Grains; L Location M	Texture (e.g. clay, sand, loam) silt loam silty clay loam silty clay loam
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 12	Wetland hy group): ogroup): Bottom Depth 4 12 20+	Orion silt loam Aquic Udifluvents the depth needed to document the Horizon 1 2 3	e indicator or color 10YR 10YR 10YR 10YR	Matrix (Moist) 2/2 2/1 3/1	Serield Observe of indicators % 100 70 30	eries Drasservation Servation Colc distinct	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4	poorly to son apped Type? Deletion, RM=Reduced M Mottles % 10 1	newhat poor ☐ Yes Matrix, CS=Covered Type C C	V No //Coated Sand Grains; L Location M M	Texture (e.g. clay, sand, loam) silt loam silty clay loam silty clay loam
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SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 12 NRCS Hydric S	Wetland hy Signoup): Otion (Describe to Bottom Depth 4 12 20+ Soil Field In	Orion silt loam Aquic Udifluvents the depth needed to document the Horizon 1 2 3 ndicators (check he	e indicator or color 10YR 10YR 10YR	2/2 2/1 3/1 2/2	Serield Obstance of indicators % 100 70 30 100 re not presser S8 - Polyv	cries Draservation servation ors.) (Type: C= Colo distinct distinct sent	inage Class: Is Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4 7.5YR 4/4	poorly to son apped Type? Mottles Mottles 10 1 Indicators	Type	No //Coated Sand Grains; L Location M M natic Soils 1	Texture (e.g. clay, sand, loam) silt loam silty clay loam silty clay loam silt loam
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SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 12 NRCS Hydric	Wetland hy Signoup): Otion (Describe to Bottom Depth 4 12 20+ Soil Field Ir A1- Histosol A2 - Histic E	Orion silt loam Aquic Udifluvents the depth needed to document the Horizon 1 2 3 ndicators (check he	e indicator or color 10YR 10YR 10YR	Matrix (Moist) 2/2 2/1 3/1 2/2 cators ar	Serield Obstance of indicators % 100 70 30 100 re not presser Polyw (LRR R, M S9 - Thin	cries Draservation servation Servation Colo distinct distinct sent value Below MLRA 149	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4 7.5YR 4/4 : w Surface B) ace	poorly to son apped Type? Mottles % 10 1 Indicators	Type Type C C C	Location Location Location M M matic Soils Prairie Redox (ucky Peat of Peaurface (LRR K, L	Texture (e.g. clay, sand, loam) silt loam silty clay loam silt loam MLRA149B) LRR K, L, R) at (LRR K, L, R)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 12 NRCS Hydric	Wetland hy Egroup): Describe to Bottom Depth 4 12 20+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black H A4 - Hydroge A5 - Stratifiee	Orion silt loam Aquic Udifluvents the depth needed to document the Horizon 1 2 3 ndicators (check he pipedon istic en Sulfide d Layers	e indicator or color 10YR 10YR 10YR ere if indicator or color and the color of th	Matrix (Moist) 2/2 2/1 3/1 2/2 cators ar	Serield Obstance of indicators % 100 70 30 100 re not presser Polyv (LRR R, M S9 - Thin (LRR R, M F1 - Loam	cries Draservation cries Draservation cries Colo cries	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4 7.5YR 4/4 : w Surface B) ace B)	poorly to son apped Type? Mottles % 10 1 Indicators	Type Type C C C	Location Location M M M natic Soils Muck (LRR K, L Prairie Redox (ucky Peat of Peaurface (LRR K, l lue Below Surface	Texture (e.g. clay, sand, loam) silt loam silty clay loam silt loam MLRA149B) LRR K, L, R) at (LRR K, L, R) ce (LRR K, L)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 12 NRCS Hydric	Wetland hy Sigroup): Otion (Describe to Bottom Depth 4 12 20+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black H A4 - Hydroge A5 - Stratified A11 - Deplet	Orion silt loam Aquic Udifluvents the depth needed to document the Horizon 1 2 3 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface	e indicator or color 10YR 10YR 10YR ere if indicator or color and the color of th	Matrix (Moist) 2/2 2/1 3/1 2/2 cators ar	Serield Observe of indicators % 100 70 30 100 e not presser Polyw (LRR R, N S9 - Thin (LRR R, N F1 - Loam (LRR K, L	cries Draservation servation ors.) (Type: C= Colo distinct distinct distinct sent sent Jalue Belo MLRA 149 Dark Surfa MLRA 149 ny Muck M	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4 7.5YR 4/4 : w Surface B) ace B) lineral	poorly to son apped Type? Detion, RM=Reduced M Mottles % 10 1 Indicators	Type Type C C C	Location Location Location M M matic Soils Prairie Redox (ucky Peat of Peaurface (LRR K, Lauchy Peat of Peat	Texture (e.g. clay, sand, loam) silt loam silty clay loam silt loam MLRA149B) LRR K, L, R) at (LRR K, L, R) Ce (LRR K, L) R K, L)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 12 NRCS Hydric	Wetland hy Sigroup): Describe to Bottom Depth 4 12 20+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black H A4 - Hydroge A5 - Stratified A11 - Deplet A12 - Thick I	Orion silt loam Aquic Udifluvents The depth needed to document the Horizon 1 2 3 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface	e indicator or color 10YR 10YR 10YR ere if indicator or color and the color of th	matrix (Moist) 2/2 2/1 3/1 2/2 cators ar	Serield Obstance of indicators % 100 70 30 100 e not presser Polyv (LRR R, M S9 - Thin (LRR R, M F1 - Loam (LRR K, L	cries Draservation cries Draservation cries Colo cries	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4 7.5YR 4/4 : w Surface B) ace B) lineral Matrix	poorly to son apped Type? Detion, RM=Reduced Mottles Mottles 10 1 Indicators	Type Type C C C Sfor Problem A10 - 2 cm I A16 - Coast S3 - 5cm Mi S7 - Dark Si S8 - Polyval S9 - Thin Da F12 - Iron-N	Location Location M M M natic Soils Muck (LRR K, L Prairie Redox (ucky Peat of Peaturface (LRR K, l ucky Peat of Peaturface (LRR K, l ucky Surface (LRR K)	Texture (e.g. clay, sand, loam) silt loam silty clay loam silt loam
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 12 NRCS Hydric	Wetland hy Sigroup): Otion (Describe to Bottom Depth 4 12 20+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black H A4 - Hydroge A5 - Stratifiee A11 - Deplet A12 - Thick I S1 - Sandy N	Orion silt loam Aquic Udifluvents The depth needed to document the Horizon 1 2 3 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral	e indicator or color 10YR 10YR 10YR ere if indicator or color and the color of th	matrix (Moist) 2/2 2/1 3/1 2/2 cators ar	Serield Observe of indicators % 100 70 30 100 e not presser Polyw (LRR R, N S9 - Thin (LRR R, N F1 - Loam (LRR K, L F2 - Loam F3 - Deple	cries Draservation servation ors.) (Type: C= Colo distinct distinct distinct sent sent Jalue Belo MLRA 149 Dark Surfa MLRA 149 ny Muck M -) ny Gleyed eted Matrix	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4 7.5YR 4/4): w Surface B) ace B) lineral Matrix	poorly to son apped Type? Detion, RM=Reduced Mottles Mottles 10 1 Indicators	Type Type Type C C C C A10 - 2 cm I A16 - Coast S3 - 5cm Mi S7 - Dark Si S8 - Polyval S9 - Thin Da F12 - Iron-M F19 - Piedm	Location Mand Mand Location Loca	Texture (e.g. clay, sand, loam) silt loam silty clay loam silt loam MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) Ses (LRR K, L, R) Soils (MLRA 149B)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 12 NRCS Hydric S	Wetland hy Sigroup): Dtion (Describe to Depth 4 12 20+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black H A4 - Hydroge A5 - Stratified A11 - Deplet A12 - Thick I S1 - Sandy N S4 - Sandy O	Orion silt loam Aquic Udifluvents The depth needed to document the Horizon 1 2 3 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix	e indicator or color 10YR 10YR 10YR ere if indicator or color and the color of th	Matrix (Moist) 2/2 2/1 3/1 2/2 cators ar	Serield Obstance of indicator % 100 70 30 100 e not presser Polyv (LRR R, M S9 - Thin (LRR R, M F1 - Loam (LRR K, L F2 - Loam F3 - Deplet F6 - Redo	cries Draservation crs.) (Type: C= Colo distinct distinct sent	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4 7.5YR 4/4 : w Surface B) ace B) lineral Matrix x urface	poorly to son apped Type? Detion, RM=Reduced Mottles Mottles 10 1 Indicators	Type Type Type C C C C A10 - 2 cm I A16 - Coast S3 - 5cm Mi S7 - Dark Si S8 - Polyval S9 - Thin Da F12 - Iron-N F19 - Piedm TA6 - Mesic	Location Location Location M M M Indicated Sand Grains; Location Indicated Sand Grains Indicated Sand Grains; Location Indi	Texture (e.g. clay, sand, loam) silt loam silty clay loam silt loam
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 12 NRCS Hydric	Wetland hy Sigroup): Otion (Describe to Bottom Depth 4 12 20+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black H A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick I S1 - Sandy I S4 - Sandy I S5 - Sandy F	Orion silt loam Aquic Udifluvents The depth needed to document the Horizon 1 2 3 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox	e indicator or color 10YR 10YR 10YR ere if indicator or color and the color of th	matrix (Moist) 2/2 2/1 3/1 2/2 cators ar	Serield Observer of indicators % 100 70 30 100 e not presser Polyv (LRR R, N S9 - Thin (LRR R, N F1 - Loam (LRR K, L F2 - Loam F3 - Deplet F6 - Redo	cries Draservation servation ors.) (Type: C= Colo distinct distinct distinct sent	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4 7.5YR 4/4): w Surface B) ace B) lineral Matrix or face Surface Surface	poorly to son apped Type? Detion, RM=Reduced Mottles Mottles 10 1 Indicators	Type Type Type C C C C Tope Sofor Problem A10 - 2 cm I A16 - Coast S3 - 5cm Me S7 - Dark Se S8 - Polyval S9 - Thin Da F12 - Iron-Me TA6 - Mesic TF2 - Red F	Location Loc	Texture (e.g. clay, sand, loam) silt loam silty clay loam silt loam MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) R K, L) ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 12 NRCS Hydric S	Wetland hy Sigroup): Otion (Describe to Depth 4 12 20+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black H A4 - Hydroge A5 - Stratified A11 - Deplet A12 - Thick I S1 - Sandy N S4 - Sandy N S5 - Sandy F S6 - Stripped	Orion silt loam Aquic Udifluvents The depth needed to document the Horizon 1 2 3 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox d Matrix	e indicator or color 10YR 10YR 10YR ere if indicator or color 10YR 10YR 10YR 10YR 10YR 10YR 10YR 10YR	Matrix (Moist) 2/2 2/1 3/1 2/2 cators ar	Serield Obstance of indicator % 100 70 30 100 re not presser Polyv (LRR R, M S9 - Thin (LRR R, M F1 - Loam (LRR K, L F2 - Loam F3 - Deplet F6 - Redo	cries Draservation servation ors.) (Type: C= Colo distinct distinct distinct sent	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4 7.5YR 4/4): w Surface B) ace B) lineral Matrix or face Surface Surface	poorly to son apped Type? Detion, RM=Reduced Mottles Mottles 10 1 Indicators	Type Type Type C C C C A16 - Coast S3 - 5cm Mt S7 - Dark S S8 - Polyval S9 - Thin Da F12 - Iron-M F19 - Piedm TA6 - Mesic TF2 - Red F TF12 - Very	Location Location Location M M M Indicated Sand Grains; Location Indicated Soils Indica	Texture (e.g. clay, sand, loam) silt loam silty clay loam silt loam MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) R K, L) ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 12 NRCS Hydric S	Wetland hy Sigroup): Otion (Describe to Depth 4 12 20+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black H A4 - Hydroge A5 - Stratified A11 - Deplet A12 - Thick I S1 - Sandy N S4 - Sandy N S5 - Sandy F S6 - Stripped	Orion silt loam Aquic Udifluvents The depth needed to document the Horizon 1 2 3 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox	e indicator or color 10YR 10YR 10YR ere if indicator or color 10YR 10YR 10YR 10YR 10YR 10YR 10YR 10YR	matrix (Moist) 2/2 2/1 3/1 2/2 cators ar	Serield Observer of indicators % 100 70 30 100 e not presser Polyv (LRR R, N S9 - Thin (LRR R, N F1 - Loam (LRR K, L F2 - Loam F3 - Deplet F6 - Redo	cries Draservation servation ors.) (Type: C= Colo distinct distinct distinct sent	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4 7.5YR 4/4): w Surface B) ace B) lineral Matrix or face Surface Surface	poorly to son apped Type? Mottles % 10 1 Indicators	Type Type Type C C C C C C C C C C C C C C C C C C	Location Locati	Texture (e.g. clay, sand, loam) silt loam silty clay loam silt loam MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) R K, L) ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 12 NRCS Hydric S	Wetland hy Sigroup): Otion (Describe to Depth 4 12 20+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black H A4 - Hydroge A5 - Stratified A11 - Deplet A12 - Thick I S1 - Sandy N S4 - Sandy N S5 - Sandy F S6 - Stripped	Orion silt loam Aquic Udifluvents The depth needed to document the Horizon 1 2 3 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox d Matrix	e indicator or color 10YR 10YR 10YR ere if indicator or color 10YR 10YR 10YR 10YR 10YR 10YR 10YR 10YR	matrix (Moist) 2/2 2/1 3/1 2/2 cators ar	Serield Observer of indicators % 100 70 30 100 e not presser Polyv (LRR R, N S9 - Thin (LRR R, N F1 - Loam (LRR K, L F2 - Loam F3 - Deplet F6 - Redo	cries Draservation servation ors.) (Type: C= Colo distinct distinct distinct sent	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4 7.5YR 4/4): w Surface B) ace B) lineral Matrix or face Surface Surface	poorly to son apped Type? Indicators Indicators Indicators Indicators	Type Type Type C C C C C C C C C C C C C C C C C C	Location Locati	Texture (e.g. clay, sand, loam) silt loam silty clay loam silt loam MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) Ce (LRR K, L) R K, L) Ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 12 NRCS Hydric S	Wetland hy Sigroup): Otion (Describe to Depth 4 12 20+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black H A4 - Hydroge A5 - Stratified A11 - Deplet A12 - Thick I S1 - Sandy N S4 - Sandy N S5 - Sandy F S6 - Stripped	Orion silt loam Aquic Udifluvents the depth needed to document the Horizon 1 2 3 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox d Matrix Irface (LRR R, MLRA 1	e indicator or color 10YR 10YR 10YR ere if indicator or color 10YR 10YR 10YR 10YR 10YR 10YR 10YR 10YR	matrix (Moist) 2/2 2/1 3/1 2/2 cators ar	Serield Observer of indicators % 100 70 30 100 e not presser Polyv (LRR R, N S9 - Thin (LRR R, N F1 - Loam (LRR K, L F2 - Loam F3 - Deplet F6 - Redo	cries Draservation servation ors.) (Type: C= Colo distinct distinct distinct sent	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4 7.5YR 4/4): w Surface B) ace B) lineral Matrix or face Surface Surface	poorly to son apped Type? Indicators Indicators Indicators Indicators	Type Type	Location Locati	Texture (e.g. clay, sand, loam) silt loam silty clay loam silt loam MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) Ce (LRR K, L) R K, L) Ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 12 NRCS Hydric S	Wetland hy Sigroup): Describe to Bottom Depth 4 12 20+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black H A4 - Hydroge A5 - Stratified A11 - Deplet A12 - Thick I S1 - Sandy N S4 - Sandy N S4 - Sandy N S5 - Sandy F S6 - Stripped S7 - Dark Su Type:	Orion silt loam Aquic Udifluvents the depth needed to document the Horizon 1 2 3 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox d Matrix urface (LRR R, MLRA 1	e indicator or color 10YR 10YR 10YR ere if indicator or color 10YR 49B)	matrix (Moist) 2/2 2/1 3/1 2/2 cators ar	Serield Observe of indicators % 100 70 30 100	cries Draservation servation cries (Type: C= Colo distinct distinct distinct sent	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4 7.5YR 4/4): w Surface B) ace B) ace B) ace Surface Surface Surface Surface Sions	poorly to son apped Type? pletion, RM=Reduced Mottles % 10 1 Indicators	Type Type	Location Locati	Texture (e.g. clay, sand, loam) silt loam silty clay loam silt loam silt loam MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) Ce (LRR K, L) R K, L) Ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B) surface cology must be present, unless



Northcentral and Northeast Region

Rockdale-W. Middleton - Seg. O Project/Site: Wetland ID: Sample Point P-5 **VEGETATION** (Species identified in all uppercase are non-native species.) Tree Stratum (Plot size: 10 meter radius) **Dominance Test Worksheet** Species Name % Cover Dominant Ind.Status 1. --Number of Dominant Species that are OBL, FACW, or 2. FAC: 1 (A) 3. 4. Total Number of Dominant Species Across All Strata: 3 (B) 5. Percent of Dominant Species That Are OBL, FACW, or 6. FAC: **33.3%** (A/B) ----7. 8. **Prevalence Index Worksheet** 9. Total % Cover of: Multiply by: 10. OBL spp. x 1 =Total Cover = x 2 =FACW spp. x 3 =FAC spp. 40 120 x 4 =Sapling/Shrub Stratum (Plot size: 5 meter radius) FACU spp. 60 UPL spp. x = 51. 2. 3. Total 100 360 (B) 4. 5. Prevalence Index = B/A = 3.600 6. --7. --8. **Hydrophytic Vegetation Indicators:** 9. □Yes ☑ No Rapid Test for Hydrophytic Vegetation 10. □Yes ☑ No Dominance Test is > 50% Total Cover = ✓ No □Yes Prevalence Index is ≤ 3.0 * □Yes ☑ No Morphological Adaptations (Explain) * ☑ No Herb Stratum (Plot size: 2 meter radius) □Yes Problem Hydrophytic Vegetation (Explain) * POA PRATENSIS 40 Υ **FAC** 1. * Indicators of hydric soil and wetland hydrology must be 2. CIRSIUM ARVENSE 40 Υ **FACU** present, unless disturbed or problematic. 3. FESTUCA PRATENSIS 20 **FACU** 4. PHALARIS ARUNDINACEA <1 **FACW Definitions of Vegetation Strata:** Ν 5. Tree - Woody plants 3 in. (7.6cm) or more in 6 ---diameter at breast height (DBH), regardless of 7. heiaht. 8. 9. Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft. tall. 10. 11. Herb - All herbaceous (non-woody) plants, 12. ---regardless of size, and woody plants less than 13. ----2 20 ft tall 14. **Woody Vines -** All woody vines greater than 3.28 ft. in height. 15. Total Cover = 100 Woody Vine Stratum (Plot size: 10 meter radius) 1. 2. --**Hydrophytic Vegetation Present** ☐ Yes ☑ No 3. 4. Total Cover = Remarks: Wetland vegetation criteria is not met

Additional Remarks:



Stantec											
Project/Site:	Rockdale-V	W. Middleton - Seg.	0			Stante	c Project #:	193700008		Date:	12/19/11
Applicant:	ATC	ŭ					•			County:	Dane
Investigator #1:				Investi	igator #2:					State:	Wisconsin
•		2000		IIIVUSII			loogifications			1	
Soil Unit:	Orion silt lo						lassification:			Wetland ID:	· /
Landform:	depression				al Relief:			_		Sample Point:	
Slope (%):	N/A	Latitude:	N/A	L	ongitude:	N/A		Datum:	N/A	Community ID:	shallow marsh
Are climatic/hyd	Irologic cond	ditions on the site ty	pical for	this time	of year?	(If no, explai	in in remarks)		No	Section:	
Are Vegetation	□ . Soil □.	or Hydrology □ sig	nificantly	disturbe	ed?	Are	normal circu	ımstances pre	esent?	Township:	
•		or Hydrology □ nat	•				☑ Yes	•		Range:	Dir:
SUMMARY OF		or riyarology - riat	draily pro	bioman	J.					rtange.	DII.
		10		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	N.I.				D 10		
Hydrophytic Ve								Hydric Soils			
Wetland Hydrol	ogy Present	?			□ No			Is This Samp	oling Point \	Within A Wetla	and? ☑ Yes ■ No
Remarks:	Drainage s	wale within highway	intercha	ınge							
HYDROLOGY											
HIDROLOGI											
Wetland Hydro	ology Indica	ators (Check here i	f indicato	rs are no	ot present	: □):					
Primary:	1	•							Secondary:		
7	A1 - Surface	Water			B9 - Wate	r-Stained	Leaves			B6 - Surface So	oil Cracks
7	A2 - High Wa	ater Table			B13 - Aqua	atic Fauna	a			B10 - Drainage	Patterns
√	A3 - Saturation	on			B15 - Marl	l Deposits	•			B16 - Moss Trir	n Lines
	B1 - Water M	1arks			C1 - Hydro	ogen Sulfi	de Odor			C2 - Dry-Seaso	n Water Table
	B2 - Sedime	nt Deposits			C3 - Oxidi:	zed Rhizo	spheres on Liv	ing Roots		C8 - Crayfish B	urrows
	B3 - Drift De	posits			C4 - Prese	ence of Re	educed Iron			C9 - Saturation	Visible on Aerial Imagery
	B4 - Algal Ma	at or Crust			C6 - Rece	nt Iron Re	eduction in Tille	ed Soils		D1 - Stunted or	Stressed Plants
	B5 - Iron Dep	oosits			C7 - Thin I	Muck Surf	face			D2 - Geomorph	
	B7 - Inundati	on Visible on Aerial Ima	agery		Other (Exp	olain)				D3 - Shallow Ad	•
	B8 - Sparsely	y Vegetated Concave S	Surface							D4 - Microtopog	
									7	D5 - FAC-Neuti	ral Test
Field Observat	ions:										
Surface Water I	Present?	☑ Yes ☐ No	Donth:	1	(in.)						
Water Table Pro			Depth:	_				Wetland Hyd	drology Pr	esent?	∣Yes □ No
		☑ Yes ☐ No	Depth:		(in.)						
Saturation Pres	ent?		Depth:	surf.	(in.)						
Describe Record	ed Data (str	eam gauge monitori	na wall a	orial pho		ua inana	ctions) if avai	ilahla:	N/A		
	ou butu jou	cam gauge, moment	ng wen, a	enai pno	tos, previo	ius inspe	uliulis), ii ava	liabic.	1 11/ / 1		
Remarks:				enai prio	tos, previo	ous inspe	Clioris), ii ava	ilabie.	14/7 (
Remarks:		drology criteria is m		енаі рно	tos, previo	ous inspe	Clioris), ii ava	liable.	14/74		
				енагрио	tos, previo	ous inspe	ctions), ii ava	liable.	14// (
Remarks:				енаі рно	tos, previo	ous inspe	ctions), ii ava	ilable.	14// (
	Wetland hy			епаі рпо				poorly to som		orly	
SOILS	Wetland hy	drology criteria is m		епагрпо	Se	eries Dra	inage Class:		newhat pod		
SOILS Map Unit Name Taxonomy (Sub	Wetland hy	Orion silt loam Aquic Udifluvents	net.		Se Field Obs	eries Dra servation	inage Class: s Confirm M	poorly to somapped Type?	newhat poc □ Yes	□ No	ocaiton: PL=Pore Lining. M=Matrix)
SOILS Map Unit Name Taxonomy (Sub	Wetland hy group): Otion (Describe to	Orion silt loam Aquic Udifluvents	net.	confirm the abs	Se Field Obs	eries Dra servation	inage Class: s Confirm M	poorly to son apped Type?	newhat poc □ Yes	□ No	ocaiton: PL=Pore Lining, M=Matrix) Texture
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top	Wetland hy escribe to Bottom	Orion silt loam Aquic Udifluvents of the depth needed to document the	net.	confirm the abs	Se Field Obs	eries Dra servation	inage Class: Is Confirm M	poorly to son apped Type? bletion, RM=Reduced M Mottles	newhat poo	□ No /Coated Sand Grains; L	Texture
SOILS Map Unit Name Taxonomy (Sub	Wetland hy group): Otion (Describe to	Orion silt loam Aquic Udifluvents	net.	confirm the abs	Se Field Obs	eries Dra servation	inage Class: s Confirm M	poorly to son apped Type?	newhat poc □ Yes	□ No	I .
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top	Wetland hy escribe to Bottom	Orion silt loam Aquic Udifluvents of the depth needed to document the	net.	confirm the abs	Se Field Obs	eries Dra servation	inage Class: Is Confirm M	poorly to son apped Type? bletion, RM=Reduced M Mottles	newhat poo	□ No /Coated Sand Grains; L	Texture
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SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth	Wetland hy egroup): otion (Describe to Bottom Depth	Orion silt loam Aquic Udifluvents the depth needed to document the	ne indicator or color	onfirm the abs Matrix (Moist)	Se Field Obs	eries Dra servation rs.) (Type: C=	inage Class: as Confirm M Concentration, D=Dep	poorly to son apped Type? Deletion, RM=Reduced M Mottles %	newhat pool Yes tatrix, CS=Covered Type	□ No /Coated Sand Grains; L Location	Texture (e.g. clay, sand, loam
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth	Wetland hy e: ogroup): otion (Describe to Bottom Depth	Orion silt loam Aquic Udifluvents the depth needed to document the	Color	Matrix (Moist)	Se Field Observer of indicator	eries Draservation (Type: C=	inage Class: as Confirm M Concentration, D=Dep	poorly to son apped Type? Deletion, RM=Reduced M Mottles %	newhat poo ☐ Yes latrix, CS=Covered Type 	□ No /Coated Sand Grains; L Location	Texture (e.g. clay, sand, loam)
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SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth	Wetland hy escribe to Depth	Orion silt loam Aquic Udifluvents the depth needed to document the	Color	Matrix (Moist)	Se Field Observer of indicator	eries Draservation (Type: C=	inage Class: as Confirm M Concentration, D=Dep	poorly to som apped Type? Deletion, RM=Reduced M Mottles %	Type	□ No /Coated Sand Grains; L Location	Texture (e.g. clay, sand, loam)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth	Wetland hy escribe to Depth	Orion silt loam Aquic Udifluvents the depth needed to document the	Color	Matrix (Moist)	Serield Observer of indicator	cries Draservation (Type: C=	inage Class: as Confirm MacConcentration, D=Dep	poorly to som apped Type? Deletion, RM=Reduced M Mottles %	Type	□ No /Coated Sand Grains; L Location	Texture (e.g. clay, sand, loam)
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SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth	Wetland hy group): Dion (Describe to Bottom Depth	Orion silt loam Aquic Udifluvents the depth needed to document the	Color	Matrix (Moist)	Serield Observer of indicators %	cries Draservation rs.) (Type: C= Colo	inage Class: as Confirm M Concentration, D=Dep	poorly to son apped Type? Deletion, RM=Reduced M Mottles %	Type	□ No /Coated Sand Grains; L Location	Texture (e.g. clay, sand, loam)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth	Wetland hy Experiment to be provided to the control of the contro	Orion silt loam Aquic Udifluvents The depth needed to document the Horizon	Color	Matrix (Moist)	Serield Observer of indicators	cries Draservation rs.) (Type: C= Colo	inage Class: as Confirm M Concentration, D=Dep or (Moist)	poorly to som apped Type? Deletion, RM=Reduced M Mottles %	Type	□ No /Coated Sand Grains; L Location	Texture (e.g. clay, sand, loam)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth	Wetland hy group): Difion (Describe to Bottom Depth Soil Field In	Orion silt loam Aquic Udifluvents the depth needed to document the	Color	Matrix (Moist) cators ar	Se Field Observe of indicator %	cries Draservation rs.) (Type: C= Colo sent	inage Class: Is Confirm Moderation, D=Department (Moist)	poorly to som apped Type? pletion, RM=Reduced M Mottles % Indicators	Type	No /Coated Sand Grains; L Location	Texture (e.g. clay, sand, loam)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth	Wetland hy s: ogroup): Dtion (Describe to Bottom Depth Soil Field In A1- Histosol	Orion silt loam Aquic Udifluvents The depth needed to document the Horizon	Color	Matrix (Moist) cators ar	Serield Observer of indicator %	cries Dra servation rs.) (Type: C= Colo sent ralue Belo	inage Class: as Confirm M Concentration, D=Dep or (Moist)	poorly to som apped Type? Deletion, RM=Reduced M Mottles % Indicators	Type	□ No /Coated Sand Grains; L Location	Texture (e.g. clay, sand, loam)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth	Wetland hy group): Dion (Describe to Bottom Depth Soil Field Ir A1- Histosol A2 - Histic Ep	Orion silt loam Aquic Udifluvents the depth needed to document the Horizon ndicators (check he	Color	Matrix (Moist) cators ar	Se Field Obs sence of indicator % se not pres S8 - Polyv (LRR R, N	cries Draservation rs.) (Type: C= Colo sent □ ralue Belo flLRA 149	inage Class: Is Confirm Moderation, D=Deport Or (Moist) : w Surface B)	poorly to som apped Type? poletion, RM=Reduced M Mottles % Indicators	Type	No /Coated Sand Grains; L Location	Texture (e.g. clay, sand, loam)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth NRCS Hydric	Wetland hy group): Dtion (Describe to Bottom Depth Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Histosol	Orion silt loam Aquic Udifluvents the depth needed to document the Horizon ndicators (check here)	Color	Matrix (Moist) cators ar	Serield Observer of indicator %	cries Dra servation rs.) (Type: C= Colo sent □ ralue Belo MLRA 149 Dark Surfa	inage Class: as Confirm M Concentration, D=Dep or (Moist) : w Surface B) acce	poorly to som apped Type? Deletion, RM=Reduced M Mottles % Indicators	Type	No /Coated Sand Grains; L Location Matic Soils Nuck (LRR K, L Prairie Redox (Iucky Peat of Pea	Texture (e.g. clay, sand, loam) , MLRA149B) LRR K, L, R) at (LRR K, L, R)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth	Wetland hy group): Difion (Describe to Bottom Depth Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge	Orion silt loam Aquic Udifluvents the depth needed to document the Horizon	Color	Matrix (Moist) cators ar	Se Field Obs sence of indicator % se not pres S8 - Polyv (LRR R, N S9 - Thin I (LRR R, N	cries Draservation rs.) (Type: C= Colo sent □ ralue Belo flLRA 149 Dark Surfa flLRA 149	inage Class: Is Confirm M Concentration, D=Dep Or (Moist)	poorly to som apped Type? pletion, RM=Reduced M Mottles % Indicators	Type	Location Location Matic Soils Muck (LRR K, L Prairie Redox (I Jucky Peat of Peaturface (LRR K, I	Texture (e.g. clay, sand, loam) , MLRA149B) LRR K, L, R) at (LRR K, L, R)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth NRCS Hydric	Wetland hy group): Dtion (Describe to Bottom Depth Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified	Orion silt loam Aquic Udifluvents the depth needed to document the Horizon ndicators (check here) pipedon istic en Sulfide d Layers	Color ere if indic	Matrix (Moist) cators ar	Serield Observer of indicator %	cries Dra servation rs.) (Type: C= Colo sent ralue Belo MLRA 149 Dark Surfa MLRA 149 by Muck M	inage Class: Is Confirm M Concentration, D=Dep Or (Moist)	poorly to som apped Type? Deletion, RM=Reduced M Mottles % Indicators	Type	No /Coated Sand Grains; L Location Matic Soils Muck (LRR K, L Prairie Redox (I Lucky Peat of Peaurface (LRR K, I Lucky Below Surface	Texture (e.g. clay, sand, loam) , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth NRCS Hydric	Wetland hy group): Dtion (Describe to Bottom Depth Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete	Orion silt loam Aquic Udifluvents The depth needed to document the Horizon	Color ere if indic	Matrix (Moist) cators ar	Se Field Obs sence of indicator % se not pres S8 - Polyv (LRR R, N S9 - Thin I (LRR R, N F1 - Loam (LRR K, L	cries Draservation cs.) (Type: C= Colo sent	inage Class: Is Confirm Moderation, D=Deport Or (Moist) : w Surface B) ace B) lineral	poorly to som apped Type? Deletion, RM=Reduced M Mottles % Indicators	Type Type	Location Location Muck (LRR K, L Prairie Redox (I ucky Peat of Peaturface (LRR K, I ue Below Surface (LRR K, I ark Surface (LRR K)	Texture (e.g. clay, sand, loam) , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) Ce (LRR K, L) R K, L)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth NRCS Hydric	Wetland hy group): Dtion (Describe to Bottom Depth Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Depleto A12 - Thick I	Orion silt loam Aquic Udifluvents The depth needed to document the Horizon	Color ere if indic	Matrix (Moist) cators ar	Serield Obstance of indicator %	cries Dragervation cs.) (Type: C= Colc sent	inage Class: Is Confirm M Concentration, D=Dep or (Moist) : w Surface B) ace B) lineral Matrix	poorly to son apped Type? Deletion, RM=Reduced M Mottles % Indicators	Type Type	Location Location Location Muck (LRR K, L Prairie Redox (I Lucky Peat of Peaturface (LRR K, I Lucky Below Surface (LRR K) Lucky Surface (LRR K)	Texture (e.g. clay, sand, loam)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth NRCS Hydric	Wetland hy group): Dtion (Describe to Bottom Depth Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick Ep S1 - Sandy N	Orion silt loam Aquic Udifluvents The depth needed to document the Horizon	Color ere if indic	Matrix (Moist) cators ar	Se Field Observer of indicator % %	cries Dragervation cs.) (Type: C= Colo sent	inage Class: Is Confirm Moderation, D=Deport or (Moist)): w Surface B) ace B) lineral Matrix	poorly to som apped Type? pletion, RM=Reduced M Mottles % Indicators	Type Type	Location Locati	Texture (e.g. clay, sand, loam) , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) Ce (LRR K, L) R K, L) Sees (LRR K, L, R) Soils (MLRA 149B)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth NRCS Hydric	Wetland hy group): Dtion (Describe to Bottom Depth Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick I S1 - Sandy I S4 - Sandy I	Orion silt loam Aquic Udifluvents The depth needed to document the Horizon	Color ere if indic	Matrix (Moist) cators ar	Serield Observer of indicator with the series	cries Dra servation s.) (Type: C= Colo sent	inage Class: Is Confirm M Concentration, D=Dep or (Moist)	poorly to som apped Type? pletion, RM=Reduced M Mottles % Indicators	Type Type Type	Location Locati	Texture (e.g. clay, sand, loam)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth NRCS Hydric	Wetland hy group): otion (Describe to Bottom Depth Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A1 - Deplete A12 - Thick E S1 - Sandy N S4 - Sandy N S5 - Sandy F	Orion silt loam Aquic Udifluvents The depth needed to document the Horizon	Color ere if indic	Matrix (Moist) cators ar	Se Field Observer of indicator %	cries Drageries Dragervation cs.) (Type: C= Colo sent	inage Class: Is Confirm Moderation, D=Deport or (Moist)): w Surface B) ace B) lineral Matrix x urface Surface Surface	poorly to som apped Type? Deletion, RM=Reduced M Mottles % Indicators	Type Type Type	Location Locati	Texture (e.g. clay, sand, loam)
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SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth NRCS Hydric	Wetland hy group): Dtion (Describe to Bottom Depth	Orion silt loam Aquic Udifluvents The depth needed to document the Horizon	Color ere if indic	Matrix (Moist) cators ar	Se Field Observer of indicator %	cries Drageries Dragervation cs.) (Type: C= Colo sent	inage Class: Is Confirm Moderation, D=Deport or (Moist)): w Surface B) ace B) lineral Matrix x urface Surface Surface	poorly to som apped Type? Deletion, RM=Reduced M Mottles % Indicators Indicators Indicators	Type Type	Location Locati	Texture (e.g. clay, sand, loam)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth NRCS Hydric	Wetland hy Sigroup): Dtion (Describe to Bottom Depth Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A1 - Deplete A12 - Thick E S1 - Sandy N S4 - Sandy N S4 - Sandy N S4 - Sandy N S5 - Sandy N S6 - Stripped S7 - Dark Su	Orion silt loam Aquic Udifluvents The depth needed to document the Horizon	Color ere if indic	matrix (Moist) cators ar	Serield Observer of indicator %	cries Drageries Dragervation cs.) (Type: C= Colo sent	inage Class: Is Confirm Moderation, D=Deport or (Moist)): w Surface B) ace B) lineral Matrix x urface Surface Surface	poorly to som apped Type? Deletion, RM=Reduced M Mottles % Indicators Indicators Indicators Indicators Indicators Indicators Indicators Indicators Indicators	Type Type	Location Locati	Texture (e.g. clay, sand, loam) , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) Ce (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B) urface blogy must be present, unless
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth NRCS Hydric	Wetland hy group): Dtion (Describe to Bottom Depth	Orion silt loam Aquic Udifluvents The depth needed to document the Horizon	Color ere if indic	Matrix (Moist) cators ar	Se Field Observer of indicator %	cries Drageries Dragervation cs.) (Type: C= Colo sent	inage Class: Is Confirm Moderation, D=Deport or (Moist)): w Surface B) ace B) lineral Matrix x urface Surface Surface	poorly to som apped Type? Deletion, RM=Reduced M Mottles % Indicators Indicators Indicators	Type Type	Location Locati	Texture (e.g. clay, sand, loam)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth NRCS Hydric	Wetland hy group): ption (Describe to Bottom Depth	Orion silt loam Aquic Udifluvents The depth needed to document the Horizon	Color ere if indic	onfirm the abs Matrix (Moist) cators ar	Se Field Obs sence of indicator %	cries Drageries Drageryation colors.) (Type: C= Colors.) (Type: C=	inage Class: Is Confirm Moderation, D=Deport (Moist)	poorly to som apped Type? pletion, RM=Reduced M Mottles % Indicators	Type Type	Location Locati	Texture (e.g. clay, sand, loam) , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) Ce (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B) urface blogy must be present, unless



Northcentral and Northeast Region

Project/Site: Rockdale-W. Middleton - Seg. O Wetland ID: O(0A)-W3 Sample Point P-6

VEGETATION	(Species identified in all uppercase are non-na	ative spec	cies.)		
Tree Stratum (Plo	ot size: 10 meter radius)				
_	<u>Species Name</u>	% Cover	<u>Dominant</u>	Ind.Status	Dominance Test Worksheet
1.					Number of Dominant Species that are OBL, FACW, or
2.					FAC: 1 (A)
3.					Total Novel 1 and Constitution Associated All Charles (D)
4.					Total Number of Dominant Species Across All Strata:1(B)
5.					Percent of Dominant Species That Are OBL, FACW, or
6.					FAC: <u>100.0%</u> (A/B)
7.					Drovolongo Indox Workshoot
8. 9.					Prevalence Index Worksheet
9. 10.					Total % Cover of: Multiply by:
10.	Total Cover =	0			OBL spp. $\begin{array}{cccccccccccccccccccccccccccccccccccc$
	Total Cover =	U			
Sanling/Shrub Str	atum (Plot sizo: 5 motor radius)				··· ———
1.	atum (Plot size: 5 meter radius)				FACU spp. $\begin{array}{cccccccccccccccccccccccccccccccccccc$
2.					σε L spp
3.					Total 90 (A) 90 (B)
4.					10tal(A)(B)
5.					Prevalence Index = B/A = 1.000
6.					1 revalence index = b/A = 1.000
7.					
8.					Hydrophytic Vegetation Indicators:
9.					
10.					☑ Yes □ No Dominance Test is > 50%
	Total Cover =	0			☑Yes □ No Prevalence Index is ≤ 3.0 *
	rota. Gove.	, i			☐ Yes ☐ No Morphological Adaptations (Explain) *
Herb Stratum (Plo	t size: 2 meter radius)				☐ Yes ☐ No Problem Hydrophytic Vegetation (Explain) *
1.	Typha latifolia	90	Υ	OBL	
2.					* Indicators of hydric soil and wetland hydrology must be
3.					present, unless disturbed or problematic.
4.					Definitions of Vegetation Strata:
5.					
6					Tree - Woody plants 3 in. (7.6cm) or more in
7.					diameter at breast height (DBH), regardless of height.
8.					neidht.
9.					Sapling/Shrub - Woody plants less than 3 in. DBH and greater
10.					than 3.28 ft. tall.
11.					
12.					Herb - All herbaceous (non-woody) plants,
13.					regardless of size, and woody plants less than
14.					3 DE # 1011
15.					Woody Vines - All woody vines greater than 3.28 ft. in height.
	Total Cover =	90			
Woody Vine Strat	um (Plot size: 10 meter radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present ☑ Yes ☐ No
5.					
4.					
	Total Cover =	0			
Remarks:	Wetland vegetation criteria is met				

Additional Remarks:

All three wetland criteria are met; area considered to be wetland



Project/Site:											
1		W. Middleton - Seg.	0			Stante	c Project #:	193700008		Date:	12/19/11
Applicant:	ATC									County:	Dane
Investigator #1:	Ihrig, J.			Investi	igator #2:					State:	Wisconsin
Soil Unit:	Orion silt lo	am			NW	I/WWI C	lassification:			Wetland ID:	
Landform:	Side slope			Loc	al Relief:	shoulde	r			Sample Point:	P-7
Slope (%):	N/A	Latitude:	N/A		ongitude:			Datum:	N/A	· ·	Upland meadow
		ditions on the site ty					in in romarks)	☑ Yes □	No	Section:	
-						1			_	i	
1		or Hydrology ☐ sig	•			Ale		ımstances pre	esent?	Township:	
		or Hydrology 🗆 nat	urally pro	oblemation	C?		☑ Yes	s □ No		Range:	Dir:
SUMMARY OF	FINDINGS										
Hydrophytic Veg	getation Pre	sent?		☐ Yes	☑ No			Hydric Soils	Present?		☐ Yes ☑ No
Wetland Hydrol	ogy Present	?		☐ Yes	☑ No			Is This Samp	oling Point \	Within A Wetla	and? ■ Yes ■ No
Remarks:		hin highway intercha	anae. is s	several fe	eet hiahei	r than ad	liacent P-6				
			90,		our mgc.		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
HYDROLOGY											
Wetland Hydro	ology Indica	ators (Check here it	f indicato	rs are no	ot presen	t ☑):					
Primary:	•	(21122111111111111111111111111111111111				/-			Secondary:		
	A1 - Surface	Water		П	B9 - Wate	er-Stained	Leaves			B6 - Surface Sc	oil Cracks
_	A2 - High Wa				B13 - Aqu					B10 - Drainage	
					B15 - Mar					B16 - Moss Trin	
	B1 - Water M	1arks			C1 - Hydr	•				C2 - Dry-Seaso	n Water Table
	B2 - Sedimei	nt Deposits			-	•	spheres on Liv	ing Roots		C8 - Crayfish B	
	B3 - Drift De	-					educed Iron	· ·		C9 - Saturation	Visible on Aerial Imagery
	B4 - Algal Ma	at or Crust			C6 - Rece	ent Iron Re	eduction in Tille	d Soils			Stressed Plants
	B5 - Iron Dep				C7 - Thin	Muck Sur	face			D2 - Geomorph	ic Position
	B7 - Inundati	on Visible on Aerial Ima	agery		Other (Ex	plain)				D3 - Shallow Ad	quitard
	B8 - Sparsely	y Vegetated Concave S	Surface							D4 - Microtopog	
										D5 - FAC-Neutr	ral Test
Field Observat	ions:										
		,,			(*)						
Surface Water I		☐ Yes ☑ No	Depth:		(in.)			Wetland Hyd	drology Pr	esent?	Yes ☑ No
Water Table Pro	esent?	☐ Yes ☑ No	Depth:	>10	(in.)						
Saturation Pres	ent?	☐ Yes ☑ No	Depth:	>10	(in.)						
Doscribo Pocord	od Data (etr	eam gauge, monitorii	na woll a	orial pho	toe provid	oue ineno	ctions) if ava	ilablo:	N/A		
	•			enai piio	ios, previo	Jus IIIspe	clions), ii ava	iiabie.	14/71		
Remarks:	Wetland hy	idrology, oritorio io pi									
- tomanto	VV Charla Hy	drology criteria is no	ot met								
	Wedana ny	drology chiena is hi	ot met								
	vvettaria rij	drology chiena is hi	ot met								
SOILS			ot met		Se	eries Dra	inage Class:	noorly to som	newhat noc	orly	
SOILS Map Unit Name	· :	Orion silt loam	ot met					poorly to son	•		
SOILS Map Unit Name Taxonomy (Sub	: group):	Orion silt loam Aquic Udifluvents			Field Obs	servation	s Confirm M	apped Type?	☐ Yes	☑ No	
SOILS Map Unit Name Taxonomy (Sub	: group): tion (Describe to	Orion silt loam Aquic Udifluvents			Field Obs	servation	s Confirm M	apped Type? Diletion, RM=Reduced M	☐ Yes	☑ No	ocaiton: PL=Pore Lining, M=Matrix)
SOILS Map Unit Name Taxonomy (Sub	: group):	Orion silt loam Aquic Udifluvents		confirm the abs	Field Obs	servation	s Confirm M	apped Type? Diletion, RM=Reduced M Mottles	☐ Yes	☑ No	Texture
SOILS Map Unit Name Taxonomy (Sub	: group): tion (Describe to	Orion silt loam Aquic Udifluvents	e indicator or c		Field Obs	rs.) (Type: C=	s Confirm M	apped Type? Diletion, RM=Reduced M	☐ Yes	☑ No	Texture
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth	: group): tion (Describe to Bottom	Orion silt loam Aquic Udifluvents the depth needed to document the	e indicator or c	Matrix (Moist)	Field Observe of indicato	rs.) (Type: C=	ns Confirm M Concentration, D=Dep	apped Type? Diletion, RM=Reduced M Mottles	☐ Yes Matrix, CS=Covered	☑ No /Coated Sand Grains; L	Texture (e.g. clay, sand, loam)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0	group): tion (Describe to Bottom Depth 4	Orion silt loam Aquic Udifluvents the depth needed to document the	color 10YR	Matrix (Moist) 2/2	Field Observe of indicators % 100	colc	or (Moist)	apped Type? Deletion, RM=Reduced M Mottles %	☐ Yes Matrix, CS=Covered Type	✓ No /Coated Sand Grains; L Location	Texture (e.g. clay, sand, loam) sandy loam
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4	group): tion (Describe to Bottom Depth 4 10+	Orion silt loam Aquic Udifluvents the depth needed to document the Horizon 1 2	Color 10YR 10YR	Matrix (Moist) 2/2 4/4	Field Observe of indicators % 100 100	Cold	or (Moist)	apped Type? Deletion, RM=Reduced M Mottles %	Type Type	✓ No /Coated Sand Grains; L	Texture (e.g. clay, sand, loam) sandy loam loamy sand
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0	group): tion (Describe to Bottom Depth 4	Orion silt loam Aquic Udifluvents the depth needed to document the	color 10YR	Matrix (Moist) 2/2	Field Observe of indicators % 100	colc	or (Moist)	apped Type? Deletion, RM=Reduced M Mottles %	☐ Yes Matrix, CS=Covered Type	✓ No /Coated Sand Grains; L Location	Texture (e.g. clay, sand, loam) sandy loam
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4	group): tion (Describe to Bottom Depth 4 10+	Orion silt loam Aquic Udifluvents the depth needed to document the Horizon 1 2	Color 10YR 10YR	Matrix (Moist) 2/2 4/4	Field Observe of indicators % 100 100	Cold	or (Moist)	apped Type? Deletion, RM=Reduced M Mottles %	Type Type	✓ No /Coated Sand Grains; L	Texture (e.g. clay, sand, loam) sandy loam loamy sand
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SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4	group): tion (Describe to Bottom Depth 4 10+	Orion silt loam Aquic Udifluvents The depth needed to document the Horizon 1 2	Color 10YR 10YR	Matrix (Moist) 2/2 4/4	% 100 100 re not pre	Colc sent servation	or (Moist)	apped Type? Mottles % Indicators	Type Type	No /Coated Sand Grains; L	Texture (e.g. clay, sand, loam) sandy loam loamy sand
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4	group): stion (Describe to Bottom Depth 4 10+ Soil Field In	Orion silt loam Aquic Udifluvents the depth needed to document the Horizon 1 2 ndicators (check he	Color 10YR 10YR	Matrix (Moist) 2/2 4/4 cators ar	% 100 100 re not pre	Cold sent railue Belo	or (Moist)	apped Type? Mottles % Indicators	Type	✓ No /Coated Sand Grains; L Location	Texture (e.g. clay, sand, loam) sandy loam loamy sand
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4	group): tion (Describe to Bottom Depth 4 10+ Soil Field In A1- Histosol	Orion silt loam Aquic Udifluvents The depth needed to document the Horizon 1 2 ndicators (check he	Color 10YR 10YR	Matrix (Moist) 2/2 4/4 cators ar	% 100 100 e not pressure of indicators	Cold sent /alue Belo //LRA 149	or (Moist)	apped Type? Mottles Mottles Indicators	Type Type	✓ No /Coated Sand Grains; L Location	Texture (e.g. clay, sand, loam) sandy loam loamy sand , MLRA149B) LRR K, L, R)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 NRCS Hydric	group): bgroup): Bottom Depth 4 10+ Soil Field Ir A1- Histosol A2 - Histic E	Orion silt loam Aquic Udifluvents the depth needed to document the Horizon 1 2 ndicators (check he	Color 10YR 10YR	Matrix (Moist) 2/2 4/4 cators ar	% 100 100 re not pre S8 - Polyv (LRR R, N	Cold sent yalue Belo MLRA 149 Dark Surfa	or (Moist)	apped Type? Mottles % Indicators	Type Type	Location	Texture (e.g. clay, sand, loam) sandy loam loamy sand , MLRA149B) LRR K, L, R) at (LRR K, L, R)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 NRCS Hydric	group): tion (Describe to Bottom Depth 4 10+ Soil Field In A1- Histosol A2 - Histic El A3 - Black Histosol	Orion silt loam Aquic Udifluvents The depth needed to document the Horizon 1 2 ndicators (check here) pipedon istic en Sulfide	Color 10YR 10YR	Matrix (Moist) 2/2 4/4 cators ar	% 100 100 e not pre: S8 - Polyv. (LRR R, M. S9 - Thin	Cold sent /alue Belo MLRA 149 Dark Surf	or (Moist)	apped Type? Mottles Mottles Indicators	Type Type	Location Location Muck (LRR K, L, Prairie Redox (Lucky Peat of Pea	Texture (e.g. clay, sand, loam) sandy loam loamy sand , MLRA149B) LRR K, L, R) at (LRR K, L, R) L)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 NRCS Hydric	group): tion (Describe to Bottom Depth 4 10+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black Hi A4 - Hydroge A5 - Stratified	Orion silt loam Aquic Udifluvents The depth needed to document the Horizon 1 2 ndicators (check here) pipedon istic en Sulfide	Color 10YR 10YR ere if indic	Matrix (Moist) 2/2 4/4 cators ar	% 100 100 e not presses - Polyv (LRR R, N S9 - Thin (LRR R, N	Cold sent value Belo MLRA 149 Dark Surfa MLRA 149 ny Muck M	or (Moist)	apped Type? Mottles % Indicators	Type Type Type	Location Location	Texture (e.g. clay, sand, loam) sandy loam loamy sand , MLRA149B) LRR K, L, R) at (LRR K, L, R) L) ce (LRR K, L)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 NRCS Hydric	group): tion (Describe to Bottom Depth 4 10+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black Hi A4 - Hydroge A5 - Stratified	Orion silt loam Aquic Udifluvents The depth needed to document the Horizon 1 2 ndicators (check here) pipedon istic en Sulfide d Layers ed Below Dark Surface	Color 10YR 10YR ere if indic	Matrix (Moist) 2/2 4/4 cators ar	% 100 100 e not pre S8 - Polyv (LRR R, N S9 - Thin (LRR R, N F1 - Loam	Colo sent sent MLRA 149 Dark Surfa MLRA 149 ny Muck M -)	or (Moist)	apped Type? Detion, RM=Reduced M Mottles % Indicators	Type Type Type	Location Location	Texture (e.g. clay, sand, loam) sandy loam loamy sand , MLRA149B) LRR K, L, R) at (LRR K, L, R) L) ce (LRR K, L)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 NRCS Hydric	group): stion (Describe to Bottom Depth 4 10+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete	Orion silt loam Aquic Udifluvents The depth needed to document the Horizon 1 2 ndicators (check here) pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface	Color 10YR 10YR ere if indic	Matrix (Moist) 2/2 4/4 cators ar	% 100 100	Cold	or (Moist)	apped Type? Mottles % Indicators	Type Type Type	Location Location Location	Texture (e.g. clay, sand, loam) sandy loam loamy sand , MLRA149B) LRR K, L, R) at (LRR K, L, R) ce (LRR K, L) R K, L)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 NRCS Hydric	Bottom Depth 4 10+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black H A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick [Orion silt loam Aquic Udifluvents the depth needed to document the Horizon 1 2 ndicators (check here) pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral	Color 10YR 10YR ere if indic	Matrix (Moist) 2/2 4/4 cators ar	% 100 100 e not pre: S8 - Polyv. (LRR R, N. S9 - Thin (LRR R, N. F1 - Loam (LRR K, L. F2 - Loam	Cold	or (Moist)	apped Type? Mottles % Indicators	Type Type	Location Locati	Texture (e.g. clay, sand, loam) sandy loam loamy sand , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) ce (LRR K, L) ses (LRR K, L, R)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 NRCS Hydric	group): stion (Describe to Bottom Depth 4 10+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick E S1 - Sandy N	Orion silt loam Aquic Udifluvents the depth needed to document the Horizon 1 2	Color 10YR 10YR ere if indic	Matrix (Moist) 2/2 4/4 cators ar	% 100 100	Cold sent	or (Moist)	apped Type? Mottles % Indicators	Type Type	Location Locati	Texture (e.g. clay, sand, loam) sandy loam loamy sand , MLRA149B) LRR K, L, R) at (LRR K, L, R) ce (LRR K, L, R) ses (LRR K, L, R) Soils (MLRA 149B)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 NRCS Hydric S	Bottom Depth 4 10+	Orion silt loam Aquic Udifluvents the depth needed to document the Horizon 1 2 ndicators (check here) pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox	Color 10YR 10YR ere if indic	Matrix (Moist) 2/2 4/4 cators ar	% 100 100	Cold	or (Moist)	apped Type? Mottles % Indicators	Type Type	Location Locati	Texture (e.g. clay, sand, loam) sandy loam loamy sand , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) Ce (LRR K, L) ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 NRCS Hydric S	group): stion (Describe to Bottom Depth 4 10+ Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick Ep S1 - Sandy N S4 - Sandy N S4 - Sandy N S5 - Sandy F S6 - Stripped	Orion silt loam Aquic Udifluvents the depth needed to document the Horizon 1 2 ndicators (check here) pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox	Color 10YR 10YR ere if indic	Matrix (Moist) 2/2 4/4 cators ar	% 100 100	Cold	or (Moist)	apped Type? Mottles % Indicators	Type Type	Location Locati	Texture (e.g. clay, sand, loam) sandy loam loamy sand , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) ce (LRR K, L) ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 NRCS Hydric S	group): stion (Describe to Bottom Depth 4 10+ Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick Ep S1 - Sandy N S4 - Sandy N S4 - Sandy N S5 - Sandy F S6 - Stripped	Orion silt loam Aquic Udifluvents the depth needed to document the Horizon 1 2 ndicators (check here) pipedon istic en Sulfide d Layers ed Below Dark Surface Oark Surface Muck Mineral Gleyed Matrix Redox d Matrix	Color 10YR 10YR ere if indic	Matrix (Moist) 2/2 4/4 cators ar	% 100 100	Cold	or (Moist)	apped Type? Detion, RM=Reduced M Mottles % Indicators Indicators Indicators	Type Type	Location Locati	Texture (e.g. clay, sand, loam) sandy loam loamy sand , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) Ce (LRR K, L) ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 NRCS Hydric	group): stion (Describe to Bottom Depth 4 10+ Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick Ep S1 - Sandy N S4 - Sandy N S4 - Sandy N S5 - Sandy F S6 - Stripped	Orion silt loam Aquic Udifluvents the depth needed to document the Horizon 1 2 ndicators (check here) pipedon istic en Sulfide d Layers ed Below Dark Surface Oark Surface Muck Mineral Gleyed Matrix Redox d Matrix	Color 10YR 10YR ere if indic	Matrix (Moist) 2/2 4/4 cators ar	% 100 100	Cold	or (Moist)	apped Type? Detion, RM=Reduced M Mottles % Indicators Indicators Indicators	Type Type	Location Locati	Texture (e.g. clay, sand, loam) sandy loam loamy sand , MLRA149B) LRR K, L, R) et (LRR K, L, R) Ce (LRR K, L, R) Ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B) urface
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 NRCS Hydric S	group): stion (Describe to Bottom Depth 4 10+ Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick E S1 - Sandy N S4 - Sandy N S5 - Sandy N S6 - Stripped S7 - Dark Su	Orion silt loam Aquic Udifluvents the depth needed to document the Horizon 1 2 ndicators (check here) pipedon istic en Sulfide d Layers ed Below Dark Surface Oark Surface Muck Mineral Gleyed Matrix Redox d Matrix	Color 10YR 10YR ere if indic	Matrix (Moist) 2/2 4/4 cators ar	% 100 100	Cold	or (Moist)	apped Type? Detion, RM=Reduced M Mottles % Indicators Indicators Indicators	Type Type	Location Locati	Texture (e.g. clay, sand, loam) sandy loam loamy sand , MLRA149B) LRR K, L, R) et (LRR K, L, R) Ce (LRR K, L, R) Ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B) urface
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 NRCS Hydric	group): stion (Describe to Bottom Depth 4 10+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick E S1 - Sandy N S4 - Sandy N S4 - Sandy N S5 - Sandy R S6 - Stripped S7 - Dark Su Type:	Orion silt loam Aquic Udifluvents the depth needed to document the Horizon 1 2 ndicators (check here) pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox Matrix Irface (LRR R, MLRA 1	Color 10YR 10YR ere if indic	Matrix (Moist) 2/2 4/4 cators ar Depth:	% 100 100	Cold sent sent sent yalue Belo MLRA 149 Dark Surfa Dark Surf	or (Moist)	apped Type? Detion, RM=Reduced M Mottles % Indicators Indicators disturbed o Hydric Soil	Type Type	Location Locati	Texture (e.g. clay, sand, loam) sandy loam loamy sand , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) ce (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B) urface blogy must be present, unless



Northcentral and Northeast Region

Project/Site:	Rockdale-W. Middleton - Seg. O				Wetland ID: Sample Point P-	7
VEGETATION	(Species identified in all uppercase are non-na	ative spec	cies.)			
Tree Stratum (P	lot size: 10 meter radius)					
	<u>Species Name</u>	% Cover	Dominant	Ind.Status	Dominance Test Worksheet	
1.					Number of Dominant Species that are OBL, FACW, or	
2.					FAC: 1 (A)	
3.					` '	
4.					Total Number of Dominant Species Across All Strata: 3 (B)	
5.					<u> </u>	
					Percent of Dominant Species That Are OBL, FACW, or	
6.					FAC: 33.3% (A/B)	
7.						
8.					Prevalence Index Worksheet	
9.					Total % Cover of: Multiply by:	
10.					OBL spp. $0 x 1 = 0$	
	Total Cover =	0			FACW spp. $0 x 2 = 0$	
					FAC spp. 60 x 3 = 180	
Sapling/Shrub St	ratum (Plot size: 5 meter radius)				FACU spp. 20 x 4 = 80	
1.					UPL spp. $\frac{20}{20}$ $\frac{20}{20}$ $\frac{20}{20}$ $\frac{20}{20}$ $\frac{20}{20}$ $\frac{20}{20}$	
2.						
3.						
					Total 100 (A) 360 (B)	
4.						
5.					Prevalence Index = B/A = 3.600	
6.						
7.						
8.					Hydrophytic Vegetation Indicators:	
9.					☐Yes ☑ No Rapid Test for Hydrophytic Vegetation	
10.					☐ Yes ☑ No Dominance Test is > 50%	
	Total Cover =	0			☐Yes ☑ No Prevalence Index is ≤ 3.0 *	
					☐Yes ☐ No Morphological Adaptations (Explain) *	
Harb Stratum (Pl	ot size: 2 meter radius)				☐ Yes ☐ No Problem Hydrophytic Vegetation (Explain) *	
1.	POA PRATENSIS	60	Υ	FAC	Tes No	
2.	BROMUS INERMIS	20	Y	UPL	* Indicators of hydric soil and wetland hydrology must be	
			 Y		present, unless disturbed or problematic.	
3.	FESTUCA PRATENSIS	20		FACU		
4.	PHALARIS ARUNDINACEA	<1	N	FACW	Definitions of Vegetation Strata:	
5.					- Woody plants 3 in (7 6cm) or more in	
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of	
7.					heiaht.	
8.						
9.					Sapling/Shrub - Woody plants less than 3 in. DBH and greater	
10.					than 3.28 ft. tall.	
11.					1	
12.					Herb - All herbaceous (non-woody) plants,	
13.					regardless of size, and woody plants less than	
14.					2 28 ft fall	
					Woody Vines - All woody vines greater than 3.28 ft. in height.	
15.	<u></u>				Woody vines - All woody vines greater than 3.26 it. in height.	
	Total Cover =	100				
Woody Vine Stra	tum (Plot size: 10 meter radius)					
1.						
2.						
3.					Hydrophytic Vegetation Present ☐ Yes ☑ No	
5.						
4.						
	Total Cover =	0				
Remarks:	Wetland vegetation criteria is not met	<u> </u>				
i voitiains.	vvoliding vogetation officials flot filet					

Additional Remarks:



Project/Site:	Rockdale-V	N. Middleton - Seg.	0			Stante	c Project #:	193700008		Date:	12/19/11
Applicant:	ATC									County:	Dane
Investigator #1:	Ihrig, J.			Investi	gator #2:					State:	Wisconsin
Soil Unit:	Granby loa	my sand			NW	I/WWI C	lassification:			Wetland ID:	O(0A)-W4
Landform:	Depression	•		Loc	al Relief:	swale				Sample Point:	
Slope (%):	N/A	Latitude:	Ν/Δ		ongitude:			Datum:	N/A	1 '	Wet meadow/marsh
· ` ` '							:- :\	☑ Yes □	No	Section:	Wet meadow/marsh
•		ditions on the site typ				1				1	
_		or Hydrology ☐ sigi	•			Are	\ /	imstances pre	esent?	Township:	
		or Hydrology ☐ nat	urally pro	oblemation	c?		☑ Yes	s □ No		Range:	Dir:
SUMMARY OF I	FINDINGS										
Hydrophytic Veg	etation Pre	sent?			□ No			Hydric Soils	Present?		
Wetland Hydrold	ogv Present	:?			□ No			Is This Samp	oling Point	Within A Wetla	and? ☑ Yes ■ No
		wale within highway	intercha						, <u> </u>		
				9							
HYDROLOGY											
Wetland Hydro	ology Indica	ators (Check here if	indicato	rs are no	ot presen	t □):					
Primary:		·			-	·			Secondary:		
V	A1 - Surface	Water			B9 - Wate	er-Stained	Leaves			B6 - Surface So	oil Cracks
	A2 - High Wa				B13 - Aqu					B10 - Drainage	
	A3 - Saturation				B15 - Mar	•				B16 - Moss Trir	
	B1 - Water M				C1 - Hydr	•				C2 - Dry-Seaso	
	B2 - Sedimei						spheres on Liv	ing Roots		C8 - Crayfish B	
	B3 - Drift Dep						educed Iron		닏		Visible on Aerial Imagery
	B4 - Algal Ma						eduction in Tille	d Soils	님		Stressed Plants
	B5 - Iron Dep		20011		C7 - Thin		race			D2 - Geomorph	
		on Visible on Aerial Ima y Vegetated Concave S	•	Ц	Other (Ex	piairi)				D3 - Shallow Ao D4 - Microtopog	•
	Do - Spaisei	y vegetated Concave C	ouriac e							D5 - FAC-Neuti	- •
										20 1710 11041	1000
Field Observati	ions:										
Surface Water F	Present?		Depth:	2	(in.)			Wetland Hy	drology Pr	recent?	Yes □ No
Water Table Pre	esent?		Depth:	surf.	(in.)			Wetland Hy	arology i i	esent:	1103 🖺 110
Saturation Prese	ent?	☑ Yes □ No	Depth:	surf.	(in.)						
Dogoribo Dogorda	ad Data (atr	eam gauge, monitorir	م سمال م	orial pho	too provid	aua inana	otiona) if avai	ilahlar	N/A		
	`	eam gauge, monitorii	ig weii, a	enai piio	105, previ	JUS 1115PE	Uliulis), ii avai	liabie.	11/7		
	147 (1 11	1 1 2 2 2	•	-	, i		,,				
Remarks:	Wetland hy	drology criteria is m	et.	· ·		<u>'</u>	,,				
Remarks:	Wetland hy	/drology criteria is m	et.	·	71	,	,				
Remarks: SOILS	Wetland hy	/drology criteria is m	et.	·	, i	· ·	,				
						·	,		o poorly		
SOILS Map Unit Name:		Granby loamy sand	l		Se	eries Dra	inage Class:	very poorly to		☑ No	
SOILS Map Unit Name: Taxonomy (Sub	group):	Granby loamy sand	l		Se Field Ob:	eries Dra	inage Class: s Confirm Ma	very poorly to apped Type?	☐ Yes		ocaiton: PI =Pore I ining. M=Matrix)
SOILS Map Unit Name: Taxonomy (Sub	group): tion (Describe to	Granby loamy sand	l	onfirm the abs	Se Field Ob:	eries Dra	inage Class: s Confirm Ma	very poorly to apped Type?	☐ Yes		ocaiton: PL=Pore Lining, M=Matrix) Texture
SOILS Map Unit Name: Taxonomy (Sub-	group): tion (Describe to Bottom	Granby loamy sand Typic Endoaquolls of the depth needed to document the	e indicator or c	onfirm the abs	Se Field Obsence of indicato	eries Dra servation	inage Class: s Confirm Ma Concentration, D=Dep	very poorly to apped Type? pletion, RM=Reduced Mottles	☐ Yes	//Coated Sand Grains; L	Texture
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth	group): tion (Describe to Bottom Depth	Granby loamy sand	e indicator or c	Matrix (Moist)	Se Field Obsence of indicato	eries Dra servation	inage Class: s Confirm Ma	very poorly to apped Type?	☐ Yes		Texture (e.g. clay, sand, loam)
SOILS Map Unit Name: Taxonomy (Sub- Profile Descripe Top Depth 0	group): tion (Describe to Bottom Depth 2	Granby loamy sand Typic Endoaquolls the depth needed to document the	e indicator or co	Matrix (Moist)	Field Observe of indicate	eries Draservation ors.) (Type: C=	inage Class: as Confirm Ma Concentration, D=Dep	very poorly to apped Type? Detion, RM=Reduced M Mottles %	☐ Yes Matrix, CS=Covered Type	Location	Texture (e.g. clay, sand, loam) silt loam
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth	group): tion (Describe to Bottom Depth	Granby loamy sand Typic Endoaquolls of the depth needed to document the	e indicator or c	Matrix (Moist)	Se Field Obsence of indicato	eries Dra servation ors.) (Type: C=	inage Class: s Confirm Ma Concentration, D=Dep	very poorly to apped Type? Detion, RM=Reduced M Mottles %	☐ Yes Matrix, CS=Covered Type	//Coated Sand Grains; L	Texture (e.g. clay, sand, loam)
SOILS Map Unit Name: Taxonomy (Sub- Profile Descripe Top Depth 0	group): tion (Describe to Bottom Depth 2	Granby loamy sand Typic Endoaquolls the depth needed to document the	e indicator or co	Matrix (Moist)	Field Observe of indicate	eries Draservation ors.) (Type: C=	inage Class: as Confirm Ma Concentration, D=Dep	very poorly to apped Type? Detion, RM=Reduced M Mottles %	☐ Yes Matrix, CS=Covered Type	Location	Texture (e.g. clay, sand, loam) silt loam
SOILS Map Unit Name: Taxonomy (Sub- Profile Descripe Top Depth 0	group): tion (Describe to Bottom Depth 2 10+	Granby loamy sand Typic Endoaquolls the depth needed to document the Horizon 1 2	e indicator or color Color 10YR 10YR	Matrix (Moist) 2/1 3/1	Field Obsence of indicate % 100 100	eries Draservation ors.) (Type: C=	inage Class: as Confirm Ma Concentration, D=Dep	very poorly to apped Type? Detion, RM=Reduced M Mottles % 10	☐ Yes Matrix, CS=Covered Type C	Location M	Texture (e.g. clay, sand, loam) silt loam
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0 2	group): tion (Describe to Bottom Depth 2 10+	Granby loamy sand Typic Endoaquolls the depth needed to document the Horizon 1 2	e indicator or color Color 10YR 10YR	Matrix (Moist) 2/1 3/1	Serield Observe of indicate with the series of indicate wi	eries Drasservation servation Colo distinct	inage Class: as Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4	very poorly to apped Type? apped Type? Mottles % 10	Type C	Location M	Texture (e.g. clay, sand, loam) silt loam silty clay loam
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0 2	group): tion (Describe to Bottom Depth 2 10+	Granby loamy sand Typic Endoaquolls the depth needed to document the Horizon 1 2	e indicator or color Color 10YR 10YR	Matrix (Moist) 2/1 3/1	Serield Observe of indicators % 100 100	eries Draservation ors.) (Type: C= Colc distinct	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4	very poorly to apped Type? Independent of the second of t	Type Type C C	Location M	Texture (e.g. clay, sand, loam) silt loam silty clay loam
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0 2	group): tion (Describe to Bottom Depth 2 10+	Granby loamy sand Typic Endoaquolls the depth needed to document the Horizon 1 2	e indicator or color Color 10YR 10YR	Matrix (Moist) 2/1 3/1	Serield Observe of indicate with the series of indicate wi	eries Drasservation servation Colo distinct	inage Class: as Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4	very poorly to apped Type? apped Type? Mottles % 10	Type C	Location M	Texture (e.g. clay, sand, loam) silt loam silty clay loam
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0 2	group): tion (Describe to Bottom Depth 2 10+	Granby loamy sand Typic Endoaquolls the depth needed to document the Horizon 1 2	e indicator or color Color 10YR 10YR	Matrix (Moist) 2/1 3/1	Serield Observe of indicators % 100 100	eries Draservation ors.) (Type: C= Colc distinct	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4	very poorly to apped Type? Independent of the second of t	Type Type C C	Location M	Texture (e.g. clay, sand, loam) silt loam silty clay loam
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0 2	group): tion (Describe to Bottom Depth 2 10+	Granby loamy sand Typic Endoaquolls the depth needed to document the Horizon 1 2	e indicator or co	Matrix (Moist) 2/1 3/1	% 100 100	eries Draservation ors.) (Type: C= Colc distinct	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4	very poorly to apped Type? Independent of the second of t	Type Type C	Location M	Texture (e.g. clay, sand, loam) silt loam silty clay loam
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0 2	group): tion (Describe to Bottom Depth 2 10+	Granby loamy sand Typic Endoaquolls the depth needed to document the Horizon 1 2	e indicator or co	Matrix (Moist) 2/1 3/1	% 100 100	cries Draservation Servation Colc distinct	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4	very poorly to apped Type? apped Type? Mottles % 10	Type Type C	Location M	Texture (e.g. clay, sand, loam) silt loam silty clay loam
SOILS Map Unit Name: Taxonomy (Subination of Subination o	group): tion (Describe to Bottom Depth 2 10+	Granby loamy sand Typic Endoaquolls the depth needed to document the Horizon 1 2	e indicator or co	Matrix (Moist) 2/1 3/1	Se Field Obsence of indicators % 100 100 e not pre	cries Draservation servation ors.) (Type: C= Colo distinct sent	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4	very poorly to apped Type? sletion, RM=Reduced Mottles % 10 Indicators	Type Type C for Problem	Location M	Texture (e.g. clay, sand, loam) silt loam silty clay loam
SOILS Map Unit Name: Taxonomy (Sub- Profile Descrip Top Depth 0 2 NRCS Hydric S	group): tion (Describe to Bottom Depth 2 10+ Soil Field In	Granby loamy sand Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check he	e indicator or co	Matrix (Moist) 2/1 3/1	Serield Observe of indicators % 100 100 re not pre	cries Draservation servation ors.) (Type: C= Colo distinct sent	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4	very poorly to apped Type? Mottles % 10 Indicators	Type Type C	Location M natic Soils 1	Texture (e.g. clay, sand, loam) silt loam silty clay loam
SOILS Map Unit Name: Taxonomy (Subination of Subination o	group): tion (Describe to Bottom Depth 2 10+	Granby loamy sand Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check he	e indicator or co	Matrix (Moist) 2/1 3/1	Se Field Obsence of indicators % 100 100 e not pre S8 - Polyw (LRR R, I	cries Draservation cries	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4 : w Surface B)	very poorly to apped Type? Mottles % 10 Indicators	Type Type C for Problem A16 - Coast	Location M matic Soils ¹ Muck (LRR K, L	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R)
SOILS Map Unit Name: Taxonomy (Subination of Subination o	group): tion (Describe to Bottom Depth 2 10+ Soil Field Ir A1- Histosol A2 - Histic E	Granby loamy sand Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check he	e indicator or co	Matrix (Moist) 2/1 3/1 cators ar	Serield Observe of indicators % 100 100 e not pre S8 - Polyw (LRR R, N	cries Draservation servation crs.) (Type: C= Colo distinct sent value Below MLRA 149	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4 : w Surface B) acce	very poorly to apped Type? Mottles % 10 Indicators	Type Type C C for Problen A10 - 2 cm I A16 - Coast S3 - 5cm Mo	Location M matic Soils ¹ Muck (LRR K, L	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R)
SOILS Map Unit Name: Taxonomy (Subination of Subination o	group): tion (Describe to Bottom Depth 2 10+ Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Histosol	Granby loamy sand Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check he pipedon istic en Sulfide	e indicator or co	Matrix (Moist) 2/1 3/1 cators ar	Se Field Obsence of indicators % 100 100 e not pre S8 - Polyw (LRR R, I) S9 - Thin (LRR R, I)	cries Draservation crs.) (Type: C= Colo distinct sent value Below MLRA 149 Dark Surfa	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4 : w Surface B) ace B)	very poorly to apped Type? Mottles % 10 Indicators	Type Type C	Location M matic Soils ¹ Muck (LRR K, L r Prairie Redox (lucky Peat of Pea	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R)
SOILS Map Unit Name: Taxonomy (Subination of Subination o	group): tion (Describe to Bottom Depth 2 10+	Granby loamy sand Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check he pipedon istic en Sulfide	e indicator or color Color 10YR 10YR ere if indicator or color	Matrix (Moist) 2/1 3/1 cators ar	Se Field Obsence of indicators % 100 100 e not pre S8 - Polyw (LRR R, I) S9 - Thin (LRR R, I)	cries Draservation cries Draservation cries Colo cries	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4 : w Surface B) ace B)	very poorly to apped Type? Mottles % 10 Indicators	Type Type C for Problem A10 - 2 cm I A16 - Coast S3 - 5cm Mi S7 - Dark S S8 - Polyval	Location M matic Soils Muck (LRR K, L Prairie Redox (lucky Peat of Peaturface (LRR K, I	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R)
SOILS Map Unit Name: Taxonomy (Subination of Subination o	group): tion (Describe to Bottom Depth 2 10+	Granby loamy sand Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface	e indicator or color Color 10YR 10YR ere if indicator or color	Matrix (Moist) 2/1 3/1 cators ar	Se Field Obsence of indicators % 100 100 e not pre S8 - Polyw (LRR R, I) S9 - Thin (LRR R, I) F1 - Loam (LRR K, I)	cries Draservation cries Draservation cries Colo cries	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4 : w Surface B) ace B) lineral	very poorly to apped Type? Indicators	Type Type C	Location M matic Soils Muck (LRR K, L Prairie Redox (Iucky Peat of Peaturface (LRR K, Iucky Peat of Peaturface (LRR K, Iucky Peaturface (LRR K, Iucky Surface (LRR K, Iucky Sur	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) L) ce (LRR K, L, R) ce (LRR K, L) ses (LRR K, L, R)
SOILS Map Unit Name: Taxonomy (Subination of Subination o	group): tion (Describe to Bottom Depth 2 10+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplet	Granby loamy sand Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface	e indicator or color Color 10YR 10YR ere if indicator or color	Matrix (Moist) 2/1 3/1 cators ar	Serield Observe of indicators % 100 100 e not pre S8 - Polyv (LRR R, I) S9 - Thin (LRR R, I) F1 - Loan (LRR K, I) F2 - Loan	cries Draservation servation ors.) (Type: C= Colo distinct sent	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4 : w Surface B) ace B) lineral Matrix	very poorly to apped Type? Indicators	Type Type C	Location M matic Soils Muck (LRR K, L Prairie Redox (lucky Peat of Peaturface (LRR K, I luc Below Surface ark Surface (LRI Manganese Massonont Floodplain S	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) ce (LRR K, L) ses (LRR K, L, R) Soils (MLRA 149B)
SOILS Map Unit Name: Taxonomy (Subination of Subination o	group): tion (Describe to Bottom Depth 2 10+ Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick Ep S1 - Sandy N	Granby loamy sand Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface	e indicator or color Color 10YR 10YR ere if indicator or color	Matrix (Moist) 2/1 3/1 cators ar	Field Obsence of indicators % 100 100 e not pre S8 - Polyw (LRR R, I) S9 - Thin (LRR R, I) F1 - Loan (LRR K, I) F2 - Loan F3 - Deple	cries Draservation cries Draservation cries Colo cries	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4): w Surface B) ace B) lineral Matrix	very poorly to apped Type? Indicators	Type Type C	Location M matic Soils Muck (LRR K, L Prairie Redox (lucky Peat of Peaturface (LRR K, I luc Below Surface ark Surface (LRI Manganese Massonont Floodplain S	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) L) ce (LRR K, L, R) ce (LRR K, L) R K, L) ses (LRR K, L, R)
SOILS Map Unit Name: Taxonomy (Subine Profile Descripe Top Depth O 2 NRCS Hydric S	group): tion (Describe to Bottom Depth 2 10+ Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A1 - Deplete A12 - Thick I S1 - Sandy I S4 - Sandy I S5 - Sandy I	Granby loamy sand Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox	e indicator or color Color 10YR 10YR ere if indicator or color	Matrix (Moist) 2/1 3/1 cators ar	Se Field Obsence of indicators % 100 100	cries Draiservation servation crs.) (Type: C= Colo distinct sent	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4): w Surface B) ace B) lineral Matrix or surface Surface Surface	very poorly to apped Type? Indicators	Type Type C	Location M matic Soils Muck (LRR K, L Prairie Redox (lucky Peat of Peaturface (LRR K, I luc Below Surface (LRR K, I luc Below Surface (LRI Manganese Massiont Floodplain State of Company of Company (Manganese Massiont Floodplain State of Company (M	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) Ce (LRR K, L) R K, L) Ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B)
SOILS Map Unit Name: Taxonomy (Subine Profile Descripe Top Depth 0 2 NRCS Hydric S	group): tion (Describe to Bottom Depth 2 10+ Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick I S1 - Sandy I S4 - Sandy I S5 - Sandy I S6 - Stripped	Granby loamy sand Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox d Matrix	e indicator or color Color 10YR 10YR ere if indicator or color indicato	Matrix (Moist) 2/1 3/1 cators ar	Se Field Obsence of indicators % 100 100	cries Draservation cries Draservation cries Colo cries	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4): w Surface B) ace B) lineral Matrix or surface Surface Surface	very poorly to apped Type? Indicators	Type Type C C	Location M matic Soils Muck (LRR K, L Prairie Redox (I ucky Peat of Peaturface (LRR K, I	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) Ce (LRR K, L) R K, L) Ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B)
SOILS Map Unit Name: Taxonomy (Subine Profile Descripe Top Depth 0 2 NRCS Hydric S	group): tion (Describe to Bottom Depth 2 10+ Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick I S1 - Sandy I S4 - Sandy I S5 - Sandy I S6 - Stripped	Granby loamy sand Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox	e indicator or color Color 10YR 10YR ere if indicator or color indicato	Matrix (Moist) 2/1 3/1 cators ar	Se Field Obsence of indicators % 100 100	cries Draiservation servation crs.) (Type: C= Colo distinct sent	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4): w Surface B) ace B) lineral Matrix or surface Surface Surface	very poorly to apped Type? Indicators Indicators	Type Type Type C	Location M matic Soils Muck (LRR K, L Prairie Redox (l ucky Peat of Peaturface (LRR K, l ucky Peat of Peaturface (LRR K	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) Ce (LRR K, L) Ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B) urface
SOILS Map Unit Name: Taxonomy (Subine Profile Descripe Top Depth 0 2 NRCS Hydric S	group): tion (Describe to Bottom Depth 2 10+ Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick I S1 - Sandy I S4 - Sandy I S5 - Sandy I S6 - Stripped	Granby loamy sand Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox d Matrix	e indicator or color Color 10YR 10YR ere if indicator or color indicato	Matrix (Moist) 2/1 3/1 cators ar	Se Field Obsence of indicators % 100 100	cries Draiservation servation crs.) (Type: C= Colo distinct sent	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4): w Surface B) ace B) lineral Matrix or surface Surface Surface	very poorly to apped Type? Indicators Indicators Indicators	Type Type Type C	Location M matic Soils Muck (LRR K, L Prairie Redox (l ucky Peat of Peaturface (LRR K, l ucky Peat of Peaturface (LRR K	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) Ce (LRR K, L) R K, L) Ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B)
SOILS Map Unit Name: Taxonomy (Subine Profile Descripe Top Depth 0 2 NRCS Hydric S	group): tion (Describe to Bottom Depth 2 10+ Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick I S1 - Sandy I S4 - Sandy I S5 - Sandy I S6 - Stripped S7 - Dark Su	Granby loamy sand Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox d Matrix Irface (LRR R, MLRA 1	e indicator or color Color 10YR 10YR ere if indicator or color indicato	Matrix (Moist) 2/1 3/1 cators ar	Field Observe of indicate % 100 100	cries Draiservation servation crs.) (Type: C= Colo distinct sent	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4): w Surface B) ace B) lineral Matrix or surface Surface Surface	very poorly to apped Type? apped Type? Mottles % 10 Indicators Indicators disturbed of	Type Type Type C C sfor Problem A10 - 2 cm I A16 - Coast S3 - 5cm Me S7 - Dark S S8 - Polyval S9 - Thin Da F12 - Iron-M F19 - Piedm TA6 - Mesic TF2 - Red F TF12 - Very Other (Expla of hydrophytic vege or problematic.	Location M matic Soils Muck (LRR K, L Prairie Redox (lucky Peat of Peaturface (LRR K, I lucky Peat of Peaturface (LRR K, I lucky Peat	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) Ce (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B) urface blogy must be present, unless
SOILS Map Unit Name: Taxonomy (Subine Profile Descripe Top Depth O 2 NRCS Hydric S	group): tion (Describe to Bottom Depth 2 10+ Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick I S1 - Sandy I S4 - Sandy I S5 - Sandy I S6 - Stripped	Granby loamy sand Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox d Matrix Irface (LRR R, MLRA 1	e indicator or color Color 10YR 10YR ere if indicator or color indicato	Matrix (Moist) 2/1 3/1 cators ar	Se Field Obsence of indicators % 100 100	cries Draiservation servation crs.) (Type: C= Colo distinct sent	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4): w Surface B) ace B) lineral Matrix or surface Surface Surface	very poorly to apped Type? Indicators Indicators Indicators	Type Type Type C C sfor Problem A10 - 2 cm I A16 - Coast S3 - 5cm Me S7 - Dark S S8 - Polyval S9 - Thin Da F12 - Iron-M F19 - Piedm TA6 - Mesic TF2 - Red F TF12 - Very Other (Expla of hydrophytic vege or problematic.	Location M matic Soils Muck (LRR K, L Prairie Redox (lucky Peat of Peaturface (LRR K, I lucky Peat of Peaturface (LRR K, I lucky Peat	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) Ce (LRR K, L, R) Ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B) urface
SOILS Map Unit Name: Taxonomy (Subine Profile Descripe Top Depth 0 2 NRCS Hydric S	group): tion (Describe to Bottom Depth 2 10+ Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick Ep S1 - Sandy N S4 - Sandy N S4 - Sandy N S5 - Sandy F S6 - Stripped S7 - Dark Su Type:	Granby loamy sand Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox d Matrix Irface (LRR R, MLRA 1	e indicator or color Color 10YR 10YR ere if indicator or color indicato	Matrix (Moist) 2/1 3/1 cators ar	Field Observe of indicate % 100 100	cries Draiservation servation crs.) (Type: C= Colo distinct sent	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4): w Surface B) ace B) lineral Matrix or surface Surface Surface	very poorly to apped Type? apped Type? Mottles % 10 Indicators Indicators disturbed of	Type Type Type C C sfor Problem A10 - 2 cm I A16 - Coast S3 - 5cm Me S7 - Dark S S8 - Polyval S9 - Thin Da F12 - Iron-M F19 - Piedm TA6 - Mesic TF2 - Red F TF12 - Very Other (Expla of hydrophytic vege or problematic.	Location M matic Soils Muck (LRR K, L Prairie Redox (lucky Peat of Peaturface (LRR K, I lucky Peat of Peaturface (LRR K, I lucky Peat	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) Ce (LRR K, L) Ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B) urface clogy must be present, unless



Northcentral and Northeast Region

Rockdale-W. Middleton - Seg. O Project/Site: Wetland ID: O(0A)-W4 Sample Point **P-8 VEGETATION** (Species identified in all uppercase are non-native species.) Tree Stratum (Plot size: 10 meter radius) **Dominance Test Worksheet** Species Name % Cover Dominant Ind.Status 1. --Number of Dominant Species that are OBL, FACW, or 2. FAC: 2 (A) 3. 4. Total Number of Dominant Species Across All Strata: 5. Percent of Dominant Species That Are OBL, FACW, or 6. FAC: **100.0%** (A/B) ----7. 8. **Prevalence Index Worksheet** 9. Total % Cover of: Multiply by: 10. x 1 =OBL spp. Total Cover = x 2 =FACW spp. x 3 =FAC spp. x 4 =Sapling/Shrub Stratum (Plot size: 5 meter radius) FACU spp. UPL spp. x = 51. 2. 3. Total 100 4. 5. Prevalence Index = B/A = 1.400 6. --7. --8. **Hydrophytic Vegetation Indicators:** 9. ☑Yes □ No Rapid Test for Hydrophytic Vegetation 10. ☑Yes □ No Dominance Test is > 50% Total Cover = □ No ✓ Yes
 Prevalence Index is ≤ 3.0 * □Yes ☑ No Morphological Adaptations (Explain) * ☑ No Herb Stratum (Plot size: 2 meter radius) □Yes Problem Hydrophytic Vegetation (Explain) * Υ 1. Typha latifolia 60 OBL * Indicators of hydric soil and wetland hydrology must be 2. PHALARIS ARUNDINACEA Υ **FACW** 40 present, unless disturbed or problematic. 3. **Definitions of Vegetation Strata:** 4. 5. Tree - Woody plants 3 in. (7.6cm) or more in 6 -diameter at breast height (DBH), regardless of 7. heiaht. 8. 9. Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft. tall. 10. 11. Herb - All herbaceous (non-woody) plants, 12. ---regardless of size, and woody plants less than 13. ----2 20 ft tall 14. Woody Vines - All woody vines greater than 3.28 ft. in height. 15. Total Cover = 100 Woody Vine Stratum (Plot size: 10 meter radius) 1. 2. --**Hydrophytic Vegetation Present** ☑ Yes □ No 3. 4. Total Cover = Remarks: Wetland vegetation criteria is met

Additional Remarks:

All three wetland criteria are met; area considered to be wetland



Northcentral and Northeast Region

Rockdale-W. Middleton - Seg. O Project/Site: 12/19/11 Stantec Project #: 193700008 Date: Applicant: **ATC** County: Dane State: Investigator #1: Ihrig, J. Investigator #2: --Wisconsin Granby loamy sand Soil Unit: NWI/WWI Classification: ---Wetland ID: ---Landform: Side slope Local Relief: shoulder Sample Point: P-9 Slope (%): N/A Latitude: N/A Longitude: N/A Datum: N/A Community ID: Upland meadow Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks) Section: Are Vegetation □ , Soil ☑, or Hydrology □ significantly disturbed? Are normal circumstances present? Township: Yes □ No Are Vegetation \square , Soil \square , or Hydrology \square naturally problematic? Range: Dir: SUMMARY OF FINDINGS Hydrophytic Vegetation Present? ☐ Yes ☑ No Hydric Soils Present? ☐ Yes ☑ No Wetland Hydrology Present? ☐ Yes ☑ No Is This Sampling Point Within A Wetland? ■ Yes ■ No Occurs within highway interchage Remarks: **HYDROLOGY** Wetland Hydrology Indicators (Check here if indicators are not present □): Primary: Secondary: ☐ B6 - Surface Soil Cracks ☐ A1 - Surface Water ☐ B9 - Water-Stained Leaves ☐ A2 - High Water Table ☐ B13 - Aquatic Fauna ☐ B10 - Drainage Patterns ☐ A3 - Saturation □ B15 - Marl Deposits ☐ B16 - Moss Trim Lines ☐ C1 - Hydrogen Sulfide Odor ☐ C2 - Dry-Season Water Table ☐ B1 - Water Marks ☐ C3 - Oxidized Rhizospheres on Living Roots ☐ B2 - Sediment Deposits ☐ C8 - Crayfish Burrows □ B3 - Drift Deposits ☐ C4 - Presence of Reduced Iron ☐ C9 - Saturation Visible on Aerial Imagery ☐ B4 - Algal Mat or Crust ☐ C6 - Recent Iron Reduction in Tilled Soils ☐ D1 - Stunted or Stressed Plants ☐ B5 - Iron Deposits ☐ C7 - Thin Muck Surface ☐ D2 - Geomorphic Position B7 - Inundation Visible on Aerial Imagery ☐ D3 - Shallow Aquitard ☐ Other (Explain) ☐ D4 - Microtopographic Relief □ B8 - Sparsely Vegetated Concave Surface ☐ D5 - FAC-Neutral Test Field Observations: **Surface Water Present?** (in.) ☐ Yes ☑ No Depth: **Wetland Hydrology Present?** ☐ Yes ☑ No Water Table Present? (in.) ☐ Yes ☑ No Depth: >10 Saturation Present? Depth: >10 (in.) ☐ Yes ☑ No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: N/A Remarks: Wetland hydrology criteria is not met SOILS Map Unit Name: Series Drainage Class: very poorly to poorly Granby loamy sand Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? ☐ Yes ☑ No Profile Description (Describe to the depth needed to document the indicator or confirm the absence of indicators.) (Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered/Coated Sand Grains; Locaiton: PL=Pore Lining, M=Matrix) Texture Top Bottom Matrix Mottles (e.g. clay, sand, loam) % Color (Moist) Color (Moist) % Location Depth Depth Horizon Type 0 3 1 10YR 2/1 100 -silt loam ----3 10+ 2 10YR 3/4 50 si lo, rocks/gravel 3/1 10YR 50 si lo, rocks/gravel --NRCS Hydric Soil Field Indicators (check here if indicators are not present □): Indicators for Problematic Soils 1 ☐ A10 - 2 cm Muck (LRR K, L, MLRA149B) ☐ A1- Histosol ☐ S8 - Polyvalue Below Surface ☐ A16 - Coast Prairie Redox (LRR K, L, R) ☐ A2 - Histic Epipedon (LRR R, MLRA 149B) ☐ S3 - 5cm Mucky Peat of Peat (LRR K, L, R) ☐ A3 - Black Histic ☐ S9 - Thin Dark Surface ☐ S7 - Dark Surface (LRR K, L) ☐ A4 - Hydrogen Sulfide (LRR R, MLRA 149B) ☐ A5 - Stratified Layers ☐ F1 - Loamy Muck Mineral ☐ S8 - Polyvalue Below Surface (LRR K, L) ☐ S9 - Thin Dark Surface (LRR K, L) ☐ A11 - Depleted Below Dark Surface (LRR K, L) ☐ F12 - Iron-Manganese Masses (LRR K, L, R) ☐ A12 - Thick Dark Surface ☐ F2 - Loamy Gleyed Matrix ☐ F19 - Piedmont Floodplain Soils (MLRA 149B) ☐ S1 - Sandy Muck Mineral ☐ F3 - Depleted Matrix ☐ S4 - Sandy Gleyed Matrix F6 - Redox Dark Surface ☐ TA6 - Mesic Spodic (MLRA 144A, 145, 149B) ☐ TF2 - Red Parent Material ☐ S5 - Sandy Redox F7 - Depleted Dark Surface ☐ TF12 - Very Shallow Dark Surface S6 - Stripped Matrix ☐ F8 - Redox Depressions ☐ S7 - Dark Surface (LRR R, MLRA 149B) ☐ Other (Explain in Remarks) ¹ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic **Restrictive Layer** Type: rock Depth: 10 in. **Hydric Soil Present?** ☐ Yes ☑ No (If Observed) Disturbed matrix, appears to be fill from highway interchange construction Remarks:



Northcentral and Northeast Region

Project/Site:	Rockdale-W. Middleton - Seg	g. O					1	Wetland ID:		Sample Point	P-9
VEGETATION	(Species identified in all uppercase	se are non-nati	ive spec	ies.)							
Tree Stratum (Plo	t size: 10 meter radius)		·	Í							
	<u>Species Name</u>	<u>.</u>	% Cover	Dominant	Ind.Status	Dominance	Test Worl	ksheet			
1.						Number of I	Dominant Sp	ecies that are	OBL, FACW, or		
2.									FAC:		
3.										``,	
4.						Total Num	ber of Domin	ant Species Ad	cross All Strata:	1 (B)	
5.								-		``	
6.						Percent of D	ominani Spe	cies That Are v	OBL, FACW, or	0.0% (A/B)	
7.									1710.	<u> </u>	
8.					-	Prevalence	Inday Wa	rkshoot			
											
9.						Total % Cover		Multiply by:			
10.		1.0				OBL spp.	0	_ x 1 = _	0	-	
	lot	al Cover =	0			FACW spp		_ x 2 = _	0	_	
						FAC spp		_ x 3 =	0	-	
Sapling/Shrub Stra	atum (Plot size: 5 meter radius)					FACU spp	0	_ x 4 = _	0	_	
1.						UPL spp	100	_ x 5 =	500	_	
2.											
3.						Total	100	(A)	500	(B)	
4.						_				_	
5.						F	Prevalence In	dex = B/A =	5.000		
6.								-		-	
7.											
8.						Hydronhyti	c Venetati	on Indicator	·e•		
9.						□Yes	✓ Vegetati			/ogotation	
								-	or Hydrophytic V	regetation	
10.	 T-4	al Carran				□Yes	☑ No		Test is > 50%		
	TOt	al Cover =	0			□Yes	☑ No		ndex is ≤ 3.0 *		
						□Yes	☑ No		al Adaptations (I	•	
,	t size: 2 meter radius)					□Yes	☑ No	Problem Hyd	Irophytic Vegeta	ition (Explain) *	
1.	BROMUS INERMIS		100	Y	UPL	*	Indicators of	hvdric soil and	d wetland hydrol	logy must be	
2.	CIRSIUM ARVENSE		<5	N	FACU			-	or problematic.	logy made bo	
3.	Oenothera biennis		<5	N	FACU		,		·		
4.						Definitions	of Vegetat	ion Strata:			
5.											
6							Tree	_ Woody plant	s 3 in. (7.6cm) c	or more in	
7.								height.	reast neight (Di	BH), regardless of	
8.								neiunt.			
9.						Sai	pling/Shrub	- Woody plants	s less than 3 in.	DBH and greater	
10.						•		than 3.28 ft. t		o o	
11.											
							Harh	- All herhaceo	us (non-woody)	nlants	
12.							Helb			dy plants less than	
13.								3 38 tt tall	. 0.20, a.r.a .r.000	y planto loco tilan	
14.								A.II		0.00 (() 1) 1 (
15.						W	oody Vines	- All woody vin	nes greater than	3.28 ft. in height.	
	Tot	al Cover =	100								
Woody Vine Strati	um (Plot size: 10 meter radius)										
1.											
2.											
3.						H	Hydrophyti	ic Vegetatio	n Present 🗆	Yes ☑ No	
5.						•	, - ,,, •	9			
4.											
т .		al Cover =	0								
Remarks:	Wetland vegetation criteria is		U								
Acmains.	vvolidina vogotation ontena is	TIOL HIGE									

Additional Remarks:



Type: N/A

Hydric soil criterion is met

(If Observed)

Remarks:

WETLAND DETERMINATION DATA FORM Page 1 of 2 **Northcentral and Northeast Region** Rockdale-W. Middleton - Seg. O 12/19/11 Project/Site: Stantec Project #: 193700008 Date: Applicant: **ATC** County: Dane Investigator #1: Ihrig, J. State: Wisconsin Investigator #2: --Radford silt loam Soil Unit: NWI/WWI Classification: ---Wetland ID: O(30)-W4 Sample Point: P-10 Landform: Local Relief: drainage swale depression Slope (%): N/A Latitude: N/A Longitude: N/A Datum: N/A Community ID: Wet meadow Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)

Yes

No Section: Are Vegetation □, Soil □, or Hydrology □ significantly disturbed? Are normal circumstances present? Township: Are Vegetation \square , Soil \square , or Hydrology \square naturally problematic? Range: Dir: SUMMARY OF FINDINGS Hydrophytic Vegetation Present? ☑ Yes □ No Hydric Soils Present? ☑ Yes □ No Is This Sampling Point Within A Wetland?

✓ Yes

No Wetland Hydrology Present? Depressional area along drainage feature Remarks: **HYDROLOGY Wetland Hydrology Indicators** (Check here if indicators are not present \square): Primary: Secondary: ☐ A1 - Surface Water ☐ B9 - Water-Stained Leaves ☐ B6 - Surface Soil Cracks ☑ A2 - High Water Table ☐ B13 - Aquatic Fauna ☑ B10 - Drainage Patterns ☑ A3 - Saturation □ B15 - Marl Deposits ☐ B16 - Moss Trim Lines ☐ C1 - Hydrogen Sulfide Odor ☐ C2 - Dry-Season Water Table ☐ B1 - Water Marks ☐ C3 - Oxidized Rhizospheres on Living Roots ☐ C8 - Crayfish Burrows ☐ B2 - Sediment Deposits □ B3 - Drift Deposits ☐ C4 - Presence of Reduced Iron ☐ C9 - Saturation Visible on Aerial Imagery ☐ B4 - Algal Mat or Crust ☐ C6 - Recent Iron Reduction in Tilled Soils ☐ D1 - Stunted or Stressed Plants ☐ B5 - Iron Deposits ☐ D2 - Geomorphic Position ☐ C7 - Thin Muck Surface B7 - Inundation Visible on Aerial Imagery ☐ D3 - Shallow Aquitard ☐ Other (Explain) ☐ D4 - Microtopographic Relief □ B8 - Sparsely Vegetated Concave Surface ☑ D5 - FAC-Neutral Test **Field Observations: Surface Water Present?** ☐ Yes ☑ No Depth: (in.) **Wetland Hydrology Present?** ☑ Yes □ No Water Table Present? (in.) Depth: surf. Saturation Present? Depth: surf. (in.) ☑ Yes □ No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: N/A Remarks: Wetland hydrology criteria is met SOILS Map Unit Name: Series Drainage Class: somewhat poorly Radford silt loam Fluvaquentic Hapludolls Field Observations Confirm Mapped Type? Taxonomy (Subgroup): ☐ Yes ☑ No Profile Description (Describe to the depth needed to document the indicator or confirm the absence of indicators.) (Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered/Coated Sand Grains; Locaiton: PL=Pore Lining, M=Matrix) Texture Top Bottom Mottles Matrix (e.g. clay, sand, loam) % Color (Moist) Color (Moist) % Depth Depth Horizon Type Location 0 4 1 10YR 2/1 100 -silt loam ----4 17+ 2 10YR 3/2 60 -sandy loam C 10YR 3/1 distinct 7.5YR 4/4 M silty clay loam **NRCS Hy**

					-			-	-		
NRCS Hydric S	Soil Field In	ndicators (check he	re if indi	cators are	e not pres	sent 🗆):	Indicators	for Problem	natic Soils 1	
	A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick E S1 - Sandy M	istic en Sulfide d Layers ed Below Dark Surface Dark Surface		_	S8 - Polyv (LRR R, N S9 - Thin I (LRR R, N F1 - Loam (LRR K, L F2 - Loam F3 - Deple	MLRA 149 Dark Surfa MLRA 149 The Muck Mack Mack Mack Mack Mack Mack Mack Ma	B) ace B) lineral Matrix		A16 - Coast S3 - 5cm Mu S7 - Dark Su S8 - Polyval S9 - Thin Da F12 - Iron-M	•	LRR K, L, R) at (LRR K, L, R) be (LRR K, L)
	S4 - Sandy G S5 - Sandy R S6 - Stripped	Gleyed Matrix Redox	49B)		F6 - Redo F7 - Deple F8 - Redo	x Dark Su eted Dark	rface Surface	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	TA6 - Mesic TF2 - Red P TF12 - Very Other (Expla	Spodic (MLRA / Parent Material Shallow Dark Stain in Remarks)	144A, 145, 149B)
Restrictive Layer	T	NI/A		Danth	NI/A			Hudria Caill	Dr		Vec 🗆 Ne

Depth: N/A

Hydric Soil Present?

☑ Yes □ No



Northcentral and Northeast Region

Project/Site: Rockdale-W. Middleton - Seg. O Wetland ID: O(30)-W4 Sample Point P-10

VEGETATION Tree Stretum (Die	(Species identified in all uppercase are non-na	ative spec	cies.)		
Tree Stratum (Plo	ot size: 10 meter radius) <u>Species Name</u>	% Cover	Dominant	Ind.Status	Dominance Test Worksheet
1.	Species Name	% Cover	Dominani 	<u> </u>	
2.					Number of Dominant Species that are OBL, FACW, or FAC: 1 (A)
3.					· // · · · · · · · · · · · · · · · · ·
4.					Total Number of Dominant Species Across All Strata: 1 (B)
5.					Percent of Dominant Species That Are OBL, FACW, or
6.					FAC: 100.0% (A/B)
7.					((
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. $0 x 1 = 0$
	Total Cover =	0			FACW spp. 100 $\times 2 = 200$
					FAC spp. $0 x 3 = 0$
Sapling/Shrub Str	atum (Plot size: 5 meter radius)				FACU spp. $0 x 4 = 0$
1.					UPL spp. $0 x 5 = 0$
2.					
3.					Total(A)(B)
4.					
5.					Prevalence Index = B/A = 2.000
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					☑Yes ☐ No Rapid Test for Hydrophytic Vegetation
10.	<u></u>				☑Yes ☐ No Dominance Test is > 50%
	Total Cover =	0			
					☐Yes ☐ No Morphological Adaptations (Explain) *
,	ot size: 2 meter radius)	400		E4 0)4/	☐Yes ☑ No Problem Hydrophytic Vegetation (Explain) *
1.	PHALARIS ARUNDINACEA	100	Y	FACW	* Indicators of hydric soil and wetland hydrology must be
2.					present, unless disturbed or problematic.
3.					Definitions of Venetation Ctuate.
4.					Definitions of Vegetation Strata:
5.					Tree - Woody plants 3 in. (7.6cm) or more in
6 7.					diameter at breast height (DBH), regardless of
8.					heiaht.
9.	_ 				Sapling/Shrub - Woody plants less than 3 in. DBH and greater
10.	 				than 3.28 ft. tall.
11.					
12.					Herb - All herbaceous (non-woody) plants,
13.					regardless of size, and woody plants less than
14.					2 28 ft +all
15.					Woody Vines - All woody vines greater than 3.28 ft. in height.
10.	Total Cover =	100			, o
	1000 00101	100			
Woody Vine Strat	um (Plot size: 10 meter radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present ☑ Yes ☐ No
5.					
4.					
	Total Cover =	0			
Remarks:	Wetland vegetation criteria is met			•	

Additional Remarks:

All three wetland criteria are met; area considered to be wetland



Project/Site:	Rockdale-\	W. Middleton - Seg.	0			Stante	c Project #:	193700008		Date:	12/19/11
Applicant:	ATC									County:	Dane
Investigator #1:	Ihria. J.			Invest	igator #2:					State:	Wisconsin
Soil Unit:	Radford sil	t loam			_		lassification:	·		Wetland ID:	
Landform:	Side slope			Loc	al Relief:			•		Sample Point:	D ₋ 11
	N/A	Latitude:	NI/A		ongitude:		•	Datum:	NI/A		
Slope (%):										1	Upland meadow
·		ditions on the site ty						☑ Yes □	No No	Section:	
_		or Hydrology 🗆 sig	=			Are		umstances pre	esent?	Township:	
Are Vegetation	□ , Soil □,	or Hydrology 🗆 nat	urally pro	blemati	c?		☑ Ye:	s _□ No		Range:	Dir:
SUMMARY OF	FINDINGS										
Hydrophytic Veg	getation Pre	sent?		┌ Yes	□ No			Hydric Soils	Present?		☐ Yes ☑ No
Wetland Hydrol				☐ Yes	_					Within A Wetla	
Remarks:		tely 6-7 ft higher tha	n adiace					io iiio Caiii		vvidimi 7 v vv odik	
rtomanto.	прргодина	tory or remignor the	iii aajaoo	in point	1 10						
HYDROLOGY											
Wetland Hydro	ology Indica	ators (Check here i	f indicato	rs are n	ot presen	t ☑):					
Primary:	•	,			•	,			Secondary:		
	A1 - Surface	Water			B9 - Wate	r-Stained	Leaves			B6 - Surface So	oil Cracks
	A2 - High Wa	ater Table			B13 - Aqu	atic Fauna	a			B10 - Drainage	Patterns
	A3 - Saturati				B15 - Mar	•				B16 - Moss Trir	
	B1 - Water M				C1 - Hydr	_				C2 - Dry-Seaso	
	B2 - Sedime	=					spheres on Li	ving Roots		C8 - Crayfish B	
	B3 - Drift De						educed Iron				Visible on Aerial Imagery
	B4 - Algal Ma			님			duction in Tille	ed Soils	님		Stressed Plants
	B5 - Iron Dep		ogori/	님	C7 - Thin		ace			D2 - Geomorph D3 - Shallow Ad	
		on Visible on Aerial Ima y Vegetated Concave S	•		Other (Ex	piairi)				D3 - Shallow At	•
	bo - Sparser	y vegetateu Concave C	bullace							D5 - FAC-Neuti	
											141 1000
Field Observat											
Surface Water I	Present?	☐ Yes ☑ No	Depth:		(in.)			Wetland Hyd	drology Pr	esent?	Yes ☑ No
Water Table Pro	esent?	☐ Yes ☑ No	Depth:	>20	(in.)			Wetland my	arology i i		1103 🖸 110
Saturation Pres	ent?	☐ Yes ☑ No	Depth:	>20	(in.)						
Dogoribo Booord	ad Data (atr	eam gauge, monitori	na woll o	orial pho		vuo inono	otions) if ove	vilabla:	N/A		
				enai pino	ios, pievic	ous irispe	clions), ii ava	aliable.	14/7 (
Remarks:	vvetland ny	drology criteria is n	ot met								
SOILS											
SOILS Map Unit Name	:	Radford silt loam			Se	eries Dra	inage Class:	: somewhat po	oorly		
Map Unit Name			udolls							□ No	
Map Unit Name Taxonomy (Sub	group):	Fluvaquentic Haple		onfirm the abs	Field Obs	servation	s Confirm M	lapped Type?			ocaiton: PI =Pore Lining, M=Matrix)
Map Unit Name Taxonomy (Sub Profile Descrip	ogroup): otion (Describe to	Fluvaquentic Haple			Field Obs	servation	s Confirm M	lapped Type?			ocaiton: PL=Pore Lining, M=Matrix) Texture
Map Unit Name Taxonomy (Sub Profile Descrip Top	ogroup): otion (Describe to Bottom	Fluvaquentic Haple the depth needed to document the	ne indicator or o	Matrix	Field Obs	rs.) (Type: C=	s Confirm M Concentration, D=De	lapped Type? Poletion, RM=Reduced Mottles	✓ Yes Matrix, CS=Covered	/Coated Sand Grains; L	Texture
Map Unit Name Taxonomy (Sub Profile Descrip Top Depth	ogroup): otion (Describe to Bottom Depth	Fluvaquentic Haple	Color	Matrix (Moist)	Field Observe of indicato	rs.) (Type: C=	s Confirm M	lapped Type?			Texture (e.g. clay, sand, loam)
Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0	ogroup): otion (Describe to Bottom Depth 7	Fluvaquentic Haple the depth needed to document the Horizon	Color 10YR	Matrix (Moist) 3/2	Field Observe of indicators % 100	rs.) (Type: C=	s Confirm M Concentration, D=De	lapped Type? Poletion, RM=Reduced Mottles	✓ Yes Matrix, CS=Covered	/Coated Sand Grains; L	Texture (e.g. clay, sand, loam) silt loam
Map Unit Name Taxonomy (Sub Profile Descrip Top Depth	ogroup): otion (Describe to Bottom Depth	Fluvaquentic Haple the depth needed to document the	Color	Matrix (Moist)	Field Observe of indicato	rs.) (Type: C=	s Confirm M Concentration, D=De	Mapped Type? Poletion, RM=Reduced Mottles %	✓ Yes Matrix, CS=Covered	/Coated Sand Grains; L	Texture (e.g. clay, sand, loam)
Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0	ogroup): otion (Describe to Bottom Depth 7	Fluvaquentic Haple the depth needed to document the Horizon	Color 10YR	Matrix (Moist) 3/2	Field Observe of indicators % 100	colc	s Confirm M Concentration, D=De	Mapped Type? Poletion, RM=Reduced Mottles %	✓ Yes Matrix, CS=Covered Type	/Coated Sand Grains; L	Texture (e.g. clay, sand, loam) silt loam
Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0	pgroup): otion (Describe to Bottom Depth 7 20+	Fluvaquentic Haple the depth needed to document the Horizon 1	Color 10YR	Matrix (Moist) 3/2	Field Observe of indicators % 100	colc	s Confirm M Concentration, D=De	Mapped Type? Poletion, RM=Reduced Mottles %	✓ Yes Matrix, CS=Covered Type	/Coated Sand Grains; L	Texture (e.g. clay, sand, loam) silt loam
Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7	pgroup): otion (Describe to Bottom Depth 7 20+	Fluvaquentic Haple the depth needed to document the Horizon 1 2	Color 10YR 10YR	Matrix (Moist) 3/2 3/3 	% 100 100	Colc	or (Moist)	Mapped Type? Popletion, RM=Reduced M Mottles %	✓ Yes Matrix, CS=Covered Type	Location	Texture (e.g. clay, sand, loam) silt loam silt loam
Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7	pgroup): otion (Describe to Bottom Depth 7 20+	Fluvaquentic Haple the depth needed to document the Horizon 1 2	Color 10YR 10YR	Matrix (Moist) 3/2 3/3 	% 100 100	Colo	or (Moist)	Mapped Type? Popletion, RM=Reduced M Mottles %	Type Type	Location	Texture (e.g. clay, sand, loam) silt loam silt loam
Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7	pgroup): otion (Describe to Bottom Depth 7 20+	Fluvaquentic Haple the depth needed to document the Horizon 1 2	Color 10YR 10YR	Matrix (Moist) 3/2 3/3 	% 100 100	Colc	or (Moist)	Mapped Type? Pepletion, RM=Reduced M Mottles %	Type	Location	Texture (e.g. clay, sand, loam) silt loam silt loam
Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7	pgroup): otion (Describe to Bottom Depth 7 20+	Fluvaquentic Haple the depth needed to document the Horizon 1 2	Color 10YR 10YR	Matrix (Moist) 3/2 3/3 	% 100 100	Colo	or (Moist)	Mapped Type? Popletion, RM=Reduced M Mottles %	Type Type	Location	Texture (e.g. clay, sand, loam) silt loam silt loam
Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7	pgroup): otion (Describe to Bottom Depth 7 20+	Fluvaquentic Haple the depth needed to document the Horizon 1 2	Color 10YR 10YR	Matrix (Moist) 3/2 3/3 	% 100 100	Colo	or (Moist)	Mapped Type? Popletion, RM=Reduced M Mottles %	Type Type	Location	Texture (e.g. clay, sand, loam) silt loam silt loam
Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7	pgroup): otion (Describe to Bottom Depth 7 20+	Horizon 1 2	Color 10YR 10YR	Matrix (Moist) 3/2 3/3 	% 100 100	Colo	or (Moist)	Mapped Type? Pepletion, RM=Reduced M Mottles %	Type Type	Location	Texture (e.g. clay, sand, loam) silt loam silt loam
Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7 NRCS Hydric	pgroup): otion (Describe to Bottom Depth 7 20+	Fluvaquentic Haple the depth needed to document the Horizon 1 2	Color 10YR 10YR	Matrix (Moist) 3/2 3/3 	% 100 100	Colo	or (Moist)	Mapped Type? Mottles % Indicators	Type Type	Location	Texture (e.g. clay, sand, loam) silt loam silt loam
Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7 NRCS Hydric	pgroup): ption (Describe to Bottom Depth 7 20+ Soil Field In	Horizon 1 2 ndicators (check he	Color 10YR 10YR	Matrix (Moist) 3/2 3/3 	% 100 100 re not pre	Colo	or (Moist)	Mapped Type? Popletion, RM=Reduced M Mottles % Indicators	Type Type	Location	Texture (e.g. clay, sand, loam) silt loam silt loam
Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7 NRCS Hydric	pgroup): ption (Describe to Bottom Depth 7 20+ Soil Field Ir A1- Histosol	Horizon 1 2 ndicators (check he	Color 10YR 10YR	Matrix (Moist) 3/2 3/3 	% 100 100 re not pre	Colo sent /alue Belo //LRA 149	or (Moist)	Mapped Type? Mottles % Indicators	Type Type	Location	Texture (e.g. clay, sand, loam) silt loam silt loam , MLRA149B) LRR K, L, R)
Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7 NRCS Hydric	pgroup): ption (Describe to Bottom Depth 7 20+ Soil Field Ir A1- Histosol A2 - Histic E	Horizon 1 2 ndicators (check he	Color 10YR 10YR	Matrix (Moist) 3/2 3/3 cators an	% 100 100 re not presses Polyv (LRR R, N	Colo sent ralue Belo MLRA 149 Dark Surfa	or (Moist)	Mapped Type? Popletion, RM=Reduced M Mottles % Indicators	Type Type	Location	Texture (e.g. clay, sand, loam) silt loam silt loam , MLRA149B) LRR K, L, R) at (LRR K, L, R)
Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7 NRCS Hydric	pgroup): ption (Describe to Bottom Depth 7 20+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black H	Fluvaquentic Haple the depth needed to document the Horizon 1 2 ndicators (check here) pipedon istic en Sulfide	Color 10YR 10YR	Matrix (Moist) 3/2 3/3 cators an	% 100 100 re not pre: S8 - Polyv. (LRR R, M. S9 - Thin	Colo sent value Belo MLRA 149 Dark Surfa MLRA 149	or (Moist)	Iapped Type? Pepletion, RM=Reduced M Mottles % Indicators	Type Type	Location	Texture (e.g. clay, sand, loam) silt loam silt loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) L)
Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7 NRCS Hydric	Bottom Depth 7 20+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black H A4 - Hydroge A5 - Stratifiee	Fluvaquentic Haple the depth needed to document the Horizon 1 2 ndicators (check here) pipedon istic en Sulfide	Color 10YR 10YR ere if indic	Matrix (Moist) 3/2 3/3 cators an	% 100 100 re not presses - Polyv (LRR R, N) S9 - Thin (LRR R, N)	Colo sent value Belo MLRA 149 Dark Surfa MLRA 149 ny Muck M	or (Moist)	Mapped Type? Popletion, RM=Reduced M Mottles % Indicators	Type Type	Location	Texture (e.g. clay, sand, loam) silt loam silt loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) L) ce (LRR K, L)
Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7 NRCS Hydric	Bottom Depth 7 20+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black H A4 - Hydroge A5 - Stratified A11 - Deplet A12 - Thick [Horizon Horizon 1 2	Color 10YR 10YR ere if indic	Matrix (Moist) 3/2 3/3 cators an	% 100 100 re not pre: S8 - Polyv. (LRR R, N. S9 - Thin (LRR R, N. F1 - Loam (LRR K, L. F2 - Loam	Colo sent yalue Below NLRA 149 Dark Surfa NLRA 149 Dy Muck M -) ny Gleyed	s Confirm M Concentration, D=De or (Moist)	Mapped Type? Popletion, RM=Reduced M Mottles % Indicators	Type Type Type	Location Locati	Texture (e.g. clay, sand, loam) silt loam silt loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) L) ce (LRR K, L, R) ce (LRR K, L) R K, L) ses (LRR K, L, R)
Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7 NRCS Hydric	Bottom Depth 7 20+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black H A4 - Hydroge A5 - Stratified A11 - Deplet	Horizon Horizon 1 2	Color 10YR 10YR ere if indic	Matrix (Moist) 3/2 3/3 cators a	% 100 100 re not presse - Polyv (LRR R, N S9 - Thin (LRR R, N F1 - Loam (LRR K, L	Colo sent yalue Below MLRA 149 Dark Surfa MLRA 149 Dy Muck M -) ny Gleyed	s Confirm M Concentration, D=De or (Moist)	Mapped Type? Popletion, RM=Reduced M Mottles % Indicators	Type Type	Location	Texture (e.g. clay, sand, loam) silt loam silt loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) Ce (LRR K, L) Ses (LRR K, L, R) Soils (MLRA 149B)
Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7 NRCS Hydric	Bottom Depth 7 20+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black H A4 - Hydroge A5 - Stratified A11 - Deplet A12 - Thick I S1 - Sandy I S4 - Sandy I	Horizon Horizon 1 2	Color 10YR 10YR ere if indic	Matrix (Moist) 3/2 3/3 cators a	% 100 100	Colo sent	s Confirm M Concentration, D=De or (Moist)	Mapped Type? Popletion, RM=Reduced M Mottles % Indicators	Type Type	Location Locati	Texture (e.g. clay, sand, loam) silt loam silt loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) L) ce (LRR K, L, R) ce (LRR K, L) R K, L) ses (LRR K, L, R)
Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7 NRCS Hydric	Bottom Depth 7 20+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black H A4 - Hydroge A5 - Stratified A11 - Deplet A12 - Thick I S1 - Sandy I S4 - Sandy I S5 - Sandy I	Horizon Horizon 1 2	Color 10YR 10YR ere if indic	Matrix (Moist) 3/2 3/3 cators a	% 100 100	Colco sent sent MLRA 149 Dark Surfa MLRA 149 Dy Muck M y Gleyed eted Matrix ox Dark Surfa eted Dark	s Confirm M Concentration, D=De or (Moist)	Mapped Type? Popletion, RM=Reduced M Mottles % Indicators	Type Type	Location Locati	Texture (e.g. clay, sand, loam) silt loam silt loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) Ce (LRR K, L) R K, L) Ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B)
Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7 NRCS Hydric	Bottom Depth 7 20+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black H A4 - Hydroge A5 - Stratified A11 - Deplet A12 - Thick I S1 - Sandy I S4 - Sandy I S5 - Sandy I S6 - Stripped	Horizon Horizon 1 2	Color 10YR 10YR ere if indic	Matrix (Moist) 3/2 3/3 cators a	% 100 100	Colco sent	s Confirm M Concentration, D=De or (Moist)	Iapped Type? Indicators	Type Type	Location Locati	Texture (e.g. clay, sand, loam) silt loam silt loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) Ce (LRR K, L) R K, L) Ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B)
Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7 NRCS Hydric	Bottom Depth 7 20+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black H A4 - Hydroge A5 - Stratified A11 - Deplet A12 - Thick I S1 - Sandy I S4 - Sandy I S5 - Sandy I S6 - Stripped	Horizon Horizon 1 2	Color 10YR 10YR ere if indic	Matrix (Moist) 3/2 3/3 cators an	% 100 100	Colco sent	s Confirm M Concentration, D=De or (Moist)	Iapped Type? Pepletion, RM=Reduced M Mottles % Indicators	Type Type	Location	Texture (e.g. clay, sand, loam) silt loam silt loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) Ce (LRR K, L) R K, L) Ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B) urface
Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7 NRCS Hydric	Bottom Depth 7 20+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black H A4 - Hydroge A5 - Stratified A11 - Deplet A12 - Thick I S1 - Sandy I S4 - Sandy I S5 - Sandy I S6 - Stripped	Horizon Horizon 1 2	Color 10YR 10YR ere if indic	Matrix (Moist) 3/2 3/3 cators an	% 100 100	Colco sent	s Confirm M Concentration, D=De or (Moist)	Indicators of In	Type Type	Location	Texture (e.g. clay, sand, loam) silt loam silt loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) Ce (LRR K, L) R K, L) Ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B)
Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7 NRCS Hydric	Bottom Depth 7 20+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black H A4 - Hydroge A5 - Stratified A11 - Deplet A12 - Thick I S1 - Sandy I S4 - Sandy I S5 - Sandy I S6 - Stripped S7 - Dark Su	Horizon Horizon 1 2	Color 10YR 10YR ere if indic	Matrix (Moist) 3/2 3/3 cators an	% 100 100	Colco sent	s Confirm M Concentration, D=De or (Moist)	Indicators disturbed of the september of	Type Type	Location	Texture (e.g. clay, sand, loam) silt loam silt loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) Ce (LRR K, L) R K, L) Ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B) urface
Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7 NRCS Hydric	Bottom Depth 7 20+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black H A4 - Hydroge A5 - Stratified A11 - Deplet A12 - Thick I S1 - Sandy I S4 - Sandy I S5 - Sandy I S6 - Stripped	Horizon Horizon 1 2	Color 10YR 10YR ere if indic	Matrix (Moist) 3/2 3/3 cators an	% 100 100	Colco sent	s Confirm M Concentration, D=De or (Moist)	Indicators of In	Type Type	Location	Texture (e.g. clay, sand, loam) silt loam silt loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) Ce (LRR K, L) R K, L) Ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B) urface
Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 7 NRCS Hydric	Bottom Depth 7 20+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black H A4 - Hydroge A5 - Stratifie A11 - Deplet A12 - Thick I S1 - Sandy I S4 - Sandy I S5 - Sandy I S6 - Stripped S7 - Dark Su	Horizon Horizon 1 2	Color 10YR 10YR ere if indic	Matrix (Moist) 3/2 3/3 cators an	% 100 100	Colco sent	s Confirm M Concentration, D=De or (Moist)	Indicators disturbed of the september of	Type Type	Location	Texture (e.g. clay, sand, loam) silt loam silt loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) Ce (LRR K, L) R K, L) Ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B) urface



Northcentral and Northeast Region

Rockdale-W. Middleton - Seg. O Project/Site: Wetland ID: Sample Point P-11 **VEGETATION** (Species identified in all uppercase are non-native species.) Tree Stratum (Plot size: 10 meter radius) **Dominance Test Worksheet** Species Name % Cover Dominant Ind.Status 1. --Number of Dominant Species that are OBL, FACW, or 2. 3. 4. Total Number of Dominant Species Across All Strata: 2 (B) 5. Percent of Dominant Species That Are OBL, FACW, or 6. FAC: **50.0%** (A/B) ----7. 8. **Prevalence Index Worksheet** 9. Total % Cover of: Multiply by: 10. OBL spp. x 1 =Total Cover = x 2 =FACW spp. x 3 =FAC spp. 45 135 x 4 =Sapling/Shrub Stratum (Plot size: 5 meter radius) FACU spp. 0 45 x = 51. UPL spp. 225 2. 3. Total 360 (B) 4. 5. Prevalence Index = B/A = 4.000 6. --7. --8. **Hydrophytic Vegetation Indicators:** 9. □Yes ☑ No Rapid Test for Hydrophytic Vegetation 10. ☑Yes □ No Dominance Test is > 50% Total Cover = ✓ No □Yes Prevalence Index is ≤ 3.0 * □Yes ☑ No Morphological Adaptations (Explain) * ☑ No Herb Stratum (Plot size: 2 meter radius) □Yes Problem Hydrophytic Vegetation (Explain) * DAUCUS CAROTA 45 Υ **UPL** 1. * Indicators of hydric soil and wetland hydrology must be 2. POA PRATENSIS 45 Υ **FAC** present, unless disturbed or problematic. 3. PHALARIS ARUNDINACEA <5 Ν **FACW** 4. **Definitions of Vegetation Strata:** 5. Tree - Woody plants 3 in. (7.6cm) or more in 6 -diameter at breast height (DBH), regardless of 7. heiaht. 8. Sapling/Shrub - Woody plants less than 3 in. DBH and greater 9. than 3.28 ft. tall. 10. 11. Herb - All herbaceous (non-woody) plants, 12. ---regardless of size, and woody plants less than 13. ----2 20 ft tall 14. **Woody Vines -** All woody vines greater than 3.28 ft. in height. 15. Total Cover = 90 Woody Vine Stratum (Plot size: 10 meter radius) 1. 2. --3. 4. Total Cover = 0

Predominance of hydrophytes present due to non-dominant species; wetland vegetation criteria is met

Additional Remarks:

Remarks:



Stantec											
Project/Site:	Rockdale-V	V. Middleton - Seg.	0			Stante	c Project #:	193700008		Date:	10/27/11
Applicant:	ATC						•			County:	Dane
Investigator #1:				Invest	igator #2:					State:	Wisconsin
•		t loom		IIIVESI			lassifications			1	
Soil Unit:	Radford sil			_			lassification:			Wetland ID:	
Landform:	near road r				cal Relief:	_	ioping			Sample Point:	
Slope (%):	N/A	Latitude:	N/A	L	ongitude:	N/A		Datum:	N/A	Community ID:	: Upland meadow
Are climatic/hyd	drologic cond	ditions on the site ty	pical for	this time	of year?	(If no, explai	in in remarks)		No	Section:	
Are Vegetation	□ , Soil □,	or Hydrology □ sig	nificantly	disturbe	ed?	Are	normal circu	ımstances pre	esent?	Township:	
_		or Hydrology □ nat	•				✓ Yes	•		Range:	Dir:
SUMMARY OF		or riyarology - Hat	draily pro	bioinati	0.					range.	БП.
		10		- V	_ N.				D		
Hydrophytic Ve	~			Yes Yes ✓	_			Hydric Soils			☐ Yes ☑ No
Wetland Hydrol				☐ Yes						Within A Wetla	and? ■ Yes ☑ No
Remarks:	Occurs in r	narrow strip betweer	n road R	OW and	large con	nmercial	developmen	t (parking lot)			
HYDROLOGY											
Wetland Hydro	ology Indica	ators (Check here it	f indicato	ors are n	ot present	t ☑):					
<u>Primary:</u>	<u>.</u>								Secondary:		
	A1 - Surface	Water			B9 - Wate	er-Stained	Leaves			B6 - Surface So	oil Cracks
	A2 - High Wa	ater Table			B13 - Aqu	atic Fauna	a			B10 - Drainage	Patterns
	A3 - Saturation				B15 - Mar	•				B16 - Moss Tri	
	B1 - Water M				C1 - Hydr	-				C2 - Dry-Seaso	
	B2 - Sedime	•					spheres on Liv	ing Roots		C8 - Crayfish B	
	B3 - Drift De _l						educed Iron				Nisible on Aerial Imagery
	B4 - Algal Ma						eduction in Tille	d Soils			r Stressed Plants
	B5 - Iron Dep				C7 - Thin		face		님	D2 - Geomorph	
		on Visible on Aerial Ima	•	Ц	Other (Ex	plain)				D3 - Shallow A	•
	B8 - Sparsely	y Vegetated Concave S	Surface							D4 - Microtopo	
									<u> </u>	D5 - FAC-Neut	rai i est
Field Observat	tions:										
Surface Water	Present?	☐ Yes ☑ No	Depth:		(in.)				_		
Water Table Pr		☐ Yes ☑ No	Depth:		(in.)			Wetland Hy	drology Pr	resent?]Yes ☑ No
Saturation Pres			•								
Saturation Fies	ent:	☐ Yes ☑ No	Depth:	>24	(in.)						
Describe Record	led Data (str	eam gauge, monitori	ng well, a	erial pho	tos, previo	ous inspe	ctions), if ava	ilable:	N/A		
Remarks:	Wetland hy	drology criteria is n	ot met								
0011.0											
SOILS									_		
Map Unit Name	7.				_		_				
	<u> </u>	Radford silt loam			Se	eries Dra	inage Class:	somewhat po	oorly		
Taxonomy (Sub		Radford silt loam Fluvaquentic Haple	udolls					somewhat po apped Type?	<u> </u>	☑ No	
	ogroup):	Fluvaquentic Haple		confirm the abs	Field Obs	servation	s Confirm M	apped Type?	☐ Yes		Locaiton: PL=Pore Lining, M=Matrix)
Profile Descrip	ogroup): otion (Describe to	Fluvaquentic Haple			Field Obs	servation	s Confirm M	apped Type?	☐ Yes		Locaiton: PL=Pore Lining, M=Matrix) Texture
Profile Descrip	ogroup): otion (Describe to Bottom	Fluvaquentic Haple the depth needed to document the	ne indicator or o	Matrix	Field Obs	rs.) (Type: C=	S Confirm M.	apped Type? Diletion, RM=Reduced M Mottles	☐ Yes	/Coated Sand Grains; L	Texture
Profile Descrip Top Depth	ogroup): otion (Describe to Bottom Depth	Fluvaquentic Haple	Color	Matrix (Moist)	Field Observe of indicato	rs.) (Type: C=	concentration, D=Dep	apped Type? Deletion, RM=Reduced M Mottles %	☐ Yes Matrix, CS=Covered Type	/Coated Sand Grains; L	Texture (e.g. clay, sand, loam)
Profile Descrip Top Depth 0	Depth	Fluvaquentic Haple the depth needed to document the Horizon 1	Color 10YR	Matrix (Moist) 3/3	Field Observe of indicators	rs.) (Type: C=	S Confirm M.	apped Type? Diletion, RM=Reduced M Mottles	☐ Yes	/Coated Sand Grains; L	Texture (e.g. clay, sand, loam) silt loam
Profile Descrip Top Depth	ogroup): otion (Describe to Bottom Depth	Fluvaquentic Haple the depth needed to document the	Color	Matrix (Moist)	Field Observe of indicato	rs.) (Type: C=	concentration, D=Dep	apped Type? Deletion, RM=Reduced M Mottles %	☐ Yes Matrix, CS=Covered Type	/Coated Sand Grains; L	Texture (e.g. clay, sand, loam)
Profile Descrip Top Depth 0	Depth	Fluvaquentic Haple the depth needed to document the Horizon 1	Color 10YR	Matrix (Moist) 3/3	Field Observe of indicators	rs.) (Type: C=	concentration, D=Deport (Moist)	apped Type? Deletion, RM=Reduced M Mottles %	☐ Yes Matrix, CS=Covered Type	Coated Sand Grains; L	Texture (e.g. clay, sand, loam) silt loam
Top Depth 0 20	Bottom Depth 20 24+	Fluvaquentic Haple the depth needed to document the Horizon 1	Color 10YR 10YR	Matrix (Moist) 3/3 4/4	Field Observe of indicators % 100 100	colc	or (Moist)	apped Type? Diletion, RM=Reduced M Mottles %	☐ Yes Matrix, CS=Covered Type	Location	Texture (e.g. clay, sand, loam) silt loam
Profile Descrip Top Depth 0 20	Bottom Depth 20 24+	Fluvaquentic Haple the depth needed to document the Horizon 1 2	Color 10YR 10YR	Matrix (Moist) 3/3 4/4 	% 100 100	Colc	or (Moist)	apped Type? Deletion, RM=Reduced M Mottles %	Type	Location	Texture (e.g. clay, sand, loam) silt loam fine sandy loam
Profile Descrip Top Depth 0 20	Bottom Depth 20 24+	Fluvaquentic Haple the depth needed to document the Horizon 1 2	Color 10YR 10YR	Matrix (Moist) 3/3 4/4	% 100 100	Colo	or (Moist)	apped Type? Deletion, RM=Reduced M Mottles %	Type Type	Location	Texture (e.g. clay, sand, loam) silt loam fine sandy loam
Profile Descrip Top Depth 0 20	Bottom Depth 20 24+	Fluvaquentic Haple the depth needed to document the Horizon 1 2	Color 10YR 10YR	Matrix (Moist) 3/3 4/4 	% 100 100	Colo	or (Moist)	apped Type? Deletion, RM=Reduced M Mottles %	Type	Location	Texture (e.g. clay, sand, loam) silt loam fine sandy loam
Profile Descrip Top Depth 0 20	Bottom Depth 20 24+	Fluvaquentic Haple the depth needed to document the Horizon 1 2	Color 10YR 10YR	Matrix (Moist) 3/3 4/4	% 100 100	Colo	or (Moist)	apped Type? Deletion, RM=Reduced M Mottles %	Type Type	Location	Texture (e.g. clay, sand, loam) silt loam fine sandy loam
Profile Descrip Top Depth 0 20	Bottom Depth 20 24+	Horizon 1 2	Color 10YR 10YR	Matrix (Moist) 3/3 4/4	% 100 100	Colo	or (Moist)	apped Type? Mottles %	Type Type	Location	Texture (e.g. clay, sand, loam) silt loam fine sandy loam
Profile Descrip Top Depth 0 20	Bottom Depth 20 24+	Horizon 1 2	Color 10YR 10YR	Matrix (Moist) 3/3 4/4	% 100 100	Colo	or (Moist)	apped Type? Mottles %	Type Type	Location	Texture (e.g. clay, sand, loam) silt loam fine sandy loam
Profile Descrip Top Depth 0 20 NRCS Hydric	Bottom Depth 20 24+ Soil Field Ir	Horizon 1 2	Color 10YR 10YR	Matrix (Moist) 3/3 4/4 cators ar	% 100 100 re not pres	Colc sent servation	or (Moist)	apped Type? Mottles % Indicators	Type Type	Location	Texture (e.g. clay, sand, loam) silt loam fine sandy loam
Profile Descrip Top Depth 0 20 NRCS Hydric	Bottom Depth 20 24+ Soil Field In	Horizon 1 2 ndicators (check he	Color 10YR 10YR	Matrix (Moist) 3/3 4/4	% 100 100 re not pres	Colo	or (Moist)	apped Type? Mottles % Indicators	Type	Location	Texture (e.g. clay, sand, loam) silt loam fine sandy loam
Profile Descrip Top Depth 0 20 NRCS Hydric	Bottom Depth 20 24+ Soil Field Ir A1- Histosol A2 - Histic E	Horizon 1 2 ndicators (check head)	Color 10YR 10YR	Matrix (Moist) 3/3 4/4 cators ar	% 100 100 re not pres	Colo	or (Moist)	apped Type? Mottles Mottles Indicators	Type Type	Location	Texture (e.g. clay, sand, loam) silt loam fine sandy loam
Profile Descrip Top Depth 0 20 NRCS Hydric	Bottom Depth 20 24+ Soil Field Ir A1- Histosol A2 - Histic El A3 - Black Hi	Horizon 1 2 adicators (check here)	Color 10YR 10YR	Matrix (Moist) 3/3 4/4 cators a	% 100 100 re not pres S8 - Polyv (LRR R, N S9 - Thin	Colo sent ralue Belo MLRA 149 Dark Surfa	or (Moist)	apped Type? Mottles % Indicators	Type Type	Location	Texture (e.g. clay, sand, loam) silt loam fine sandy loam
Profile Descrip Top Depth 0 20 NRCS Hydric	Bottom Depth 20 24+ Soil Field Ir A1- Histosol A2 - Histic El A3 - Black Hi A4 - Hydroge	Horizon 1 2 adicators (check here)	Color 10YR 10YR	Matrix (Moist) 3/3 4/4 cators a	% 100 100 re not pres S8 - Polyv (LRR R, N S9 - Thin (LRR R, N	Colo sent sent sent MLRA 149 Dark Surfa	or (Moist)	apped Type? Mottles Mottles Indicators	Type Type	Location	Texture (e.g. clay, sand, loam) silt loam fine sandy loam L, MLRA149B) LRR K, L, R) at (LRR K, L, R) L)
Profile Descrip Top Depth 0 20 NRCS Hydric	Bottom Depth 20 24+ Soil Field Ir A1- Histosol A2 - Histic El A3 - Black Hi A4 - Hydroge A5 - Stratified	Horizon 1 2 adicators (check here) cipedon istic en Sulfide d Layers	Color 10YR 10YR ere if indi	Matrix (Moist) 3/3 4/4 cators an	% 100 100 re not pres S8 - Polyv (LRR R, N S9 - Thin (LRR R, N F1 - Loam	Colo sent value Belo MLRA 149 Dark Surfa MLRA 149 ny Muck M	or (Moist)	apped Type? Detion, RM=Reduced M Mottles % Indicators	Type Type Type	Location	Texture (e.g. clay, sand, loam) silt loam fine sandy loam
Profile Descrip Top Depth 0 20 NRCS Hydric	Bottom Depth 20 24+ Soil Field Ir A1- Histosol A2 - Histic El A3 - Black Hi A4 - Hydroge A5 - Stratified	Horizon 1 2 ndicators (check here) bipedon istic en Sulfide d Layers ed Below Dark Surface	Color 10YR 10YR ere if indi	Matrix (Moist) 3/3 4/4 cators an	% 100 100 re not pres S8 - Polyv (LRR R, N S9 - Thin (LRR R, N F1 - Loam (LRR K, L	Colo sent sent MLRA 149 Dark Surfa MLRA 149 ny Muck M -)	or (Moist)	apped Type? Detion, RM=Reduced M Mottles % Indicators	Type Type Type	Location	Texture (e.g. clay, sand, loam) silt loam fine sandy loam
Profile Descrip Top Depth 0 20 NRCS Hydric	Bottom Depth 20 24+ Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick I	Horizon 1 2 ndicators (check here) bipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface	Color 10YR 10YR ere if indi	Matrix (Moist) 3/3 4/4 cators an	% 100 100 re not pres S8 - Polyv (LRR R, N S9 - Thin (LRR R, N F1 - Loam (LRR K, L F2 - Loam	Colo sent yalue Belo MLRA 149 Dark Surfa MLRA 149 ny Muck M -) ny Gleyed	or (Moist)	apped Type? Mottles % Indicators	Type Type Type	Location Locati	Texture (e.g. clay, sand, loam) silt loam fine sandy loam
Profile Descrip Top Depth 0 20 NRCS Hydric	Bottom Depth 20 24+ Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick I S1 - Sandy N	Horizon 1 2	Color 10YR 10YR ere if indi	Matrix (Moist) 3/3 4/4 cators an	% 100 100 re not pres S8 - Polyv (LRR R, N S9 - Thin (LRR R, N F1 - Loam (LRR K, L F2 - Loam F3 - Deple	Cold	or (Moist)	apped Type? Mottles % Indicators	Type Type	Location	Texture (e.g. clay, sand, loam) silt loam fine sandy loam
Profile Descrip Top Depth 0 20 NRCS Hydric	Bottom Depth 20 24+ Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick Ep S1 - Sandy M S4 - Sandy M	Horizon 1 2	Color 10YR 10YR ere if indi	Matrix (Moist) 3/3 4/4 cators an	% 100 100	Colo sent yalue Belo MLRA 149 Dark Surfa MLRA 149 Dy Muck M -) yy Gleyed eted Matrix ox Dark Sur	or (Moist)	apped Type? Mottles % Indicators	Type Type	Location Locati	Texture (e.g. clay, sand, loam) silt loam fine sandy loam
Profile Descrip Top Depth 0 20 NRCS Hydric	Bottom Depth 20 24+ Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A1- Deplete A12 - Thick I S1 - Sandy I S4 - Sandy I S5 - Sandy I	Horizon Horizon 1 2 adicators (check here) bipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox	Color 10YR 10YR ere if indi	Matrix (Moist) 3/3 4/4 cators an	% 100 100	Colo sent	or (Moist)	apped Type? Mottles % Indicators	Type Type	Location	Texture (e.g. clay, sand, loam) silt loam fine sandy loam
Profile Descrip Top Depth 0 20 NRCS Hydric	Bottom Depth 20 24+ Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick I S1 - Sandy I S4 - Sandy I S5 - Sandy I S6 - Stripped	Horizon Horizon 1 2 ndicators (check here) stic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox I Matrix	Color 10YR 10YR ere if indi	Matrix (Moist) 3/3 4/4 cators a	% 100 100	Colo sent	or (Moist)	apped Type? Mottles % Indicators	Type Type	Location Locati	Texture (e.g. clay, sand, loam) silt loam fine sandy loam
Profile Descrip Top Depth 0 20 NRCS Hydric	Bottom Depth 20 24+ Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick I S1 - Sandy I S4 - Sandy I S5 - Sandy I S6 - Stripped	Horizon Horizon 1 2 adicators (check here) bipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox	Color 10YR 10YR ere if indi	Matrix (Moist) 3/3 4/4 cators a	% 100 100	Colo sent	or (Moist)	apped Type? Detion, RM=Reduced M Mottles % Indicators Indicators Indicators	Type Type	Location	Texture (e.g. clay, sand, loam) silt loam fine sandy loam
Profile Descrip Top Depth 0 20	Bottom Depth 20 24+ Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick E S1 - Sandy N S4 - Sandy N S4 - Sandy N S5 - Sandy F S6 - Stripped	Horizon Horizon 1 2 ndicators (check here) stic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox I Matrix	Color 10YR 10YR ere if indi	Matrix (Moist) 3/3 4/4 cators a	% 100 100	Colo sent	or (Moist)	apped Type? Detion, RM=Reduced M Mottles % Indicators Indicators Indicators	Type Type	Location	Texture (e.g. clay, sand, loam) silt loam fine sandy loam
Top Depth 0 20 NRCS Hydric	Bottom Depth 20 24+ Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A1- Deplete A12 - Thick E S1 - Sandy N S4 - Sandy N S4 - Sandy N S5 - Sandy R S6 - Stripped S7 - Dark Su	Horizon Horizon 1 2	Color 10YR 10YR ere if indi	Matrix (Moist) 3/3 4/4 cators a	% 100 100	Colo sent	or (Moist)	apped Type? Detion, RM=Reduced M Mottles % Indicators disturbed of	Type Type	Location Locati	Texture (e.g. clay, sand, loam) silt loam fine sandy loam MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) Ce (LRR K, L) ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B) Surface rology must be present, unless
Top Depth 0 20 NRCS Hydric Restrictive Layer (If Observed)	Bottom Depth 20 24+ Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick E S1 - Sandy N S4 - Sandy N S4 - Sandy N S5 - Sandy R S6 - Stripped S7 - Dark Su	Horizon 1 2	Color 10YR 10YR ere if indi	Matrix (Moist) 3/3 4/4 cators a	% 100 100	Colo sent	or (Moist)	apped Type? Detion, RM=Reduced M Mottles % Indicators Indicators Indicators	Type Type	Location Locati	Texture (e.g. clay, sand, loam) silt loam fine sandy loam
Top Depth 0 20 NRCS Hydric	Bottom Depth 20 24+ Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick E S1 - Sandy N S4 - Sandy N S4 - Sandy N S5 - Sandy R S6 - Stripped S7 - Dark Su	Horizon Horizon 1 2	Color 10YR 10YR ere if indi	Matrix (Moist) 3/3 4/4 cators a	% 100 100	Colo sent	or (Moist)	apped Type? Detion, RM=Reduced M Mottles % Indicators disturbed of	Type Type	Location Locati	Texture (e.g. clay, sand, loam) silt loam fine sandy loam



Northcentral and Northeast Region

Rockdale-W. Middleton - Seg. O Project/Site: Wetland ID: Sample Point P-12 **VEGETATION** (Species identified in all uppercase are non-native species.) Tree Stratum (Plot size: 10 meter radius) **Dominance Test Worksheet** Species Name % Cover Dominant Ind.Status 1. --Number of Dominant Species that are OBL, FACW, or 2. 2 (A) 3. 4. Total Number of Dominant Species Across All Strata: 5. Percent of Dominant Species That Are OBL, FACW, or 6. FAC: **66.7%** (A/B) ----7. 8. **Prevalence Index Worksheet** 9. Total % Cover of: Multiply by: 10. OBL spp. x 1 =0 Total Cover = FACW spp. x 2 =160 x 3 =FAC spp. x 4 =Sapling/Shrub Stratum (Plot size: 5 meter radius) FACU spp. 30 120 LONICERA X BELLA 10 Υ **FACU** x = 51. UPL spp. 10 2. 10 Υ **FACW** Acer negundo 3. Total 120 330 (B) 4. 5. Prevalence Index = B/A = 2.750 6. --7. --8. **Hydrophytic Vegetation Indicators:** 9. □Yes ☑ No Rapid Test for Hydrophytic Vegetation 10. ☑Yes □ No Dominance Test is > 50% Total Cover = 20 ✓ Yes
 □ No Prevalence Index is ≤ 3.0 * □Yes ☑ No Morphological Adaptations (Explain) * ☑ No Herb Stratum (Plot size: 2 meter radius) □Yes Problem Hydrophytic Vegetation (Explain) * PHALARIS ARUNDINACEA 70 Υ **FACW** 1. * Indicators of hydric soil and wetland hydrology must be 2. CIRSIUM ARVENSE 15 **FACU** Ν present, unless disturbed or problematic. 3. CORONILLA VARIA 10 NI Ν 5 4. Ν **FACU Definitions of Vegetation Strata:** Solidago canadensis 5. Tree - Woody plants 3 in. (7.6cm) or more in 6 ---diameter at breast height (DBH), regardless of 7. heiaht. 8. 9. Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft. tall. 10. 11. Herb - All herbaceous (non-woody) plants, 12. ---regardless of size, and woody plants less than 13. ----2 20 ft tall 14. **Woody Vines -** All woody vines greater than 3.28 ft. in height. 15. Total Cover = 100 Woody Vine Stratum (Plot size: 10 meter radius) 1. 2. --3. **Hydrophytic Vegetation Present** ☑ Yes □ No 4. Total Cover = 0 Wetland vegetation criteria is met. However, reed canary grass is dominant only in this localized area, which is upslope of other adjacent Remarks: areas. These topographically lower areas are dominated by crown vetch, Canada thistle, Canada goldenrod and honeysuckle.

Additional Remarks:



Project/Site:	Rockdale-V	W. Middleton - Seg.	0			Stante	c Project #:	193700008		Date:	12/19/11
Applicant:	ATC									County:	Dane
Investigator #1:	Ihria. J.			Investi	igator #2:					State:	Wisconsin
Soil Unit:	Sable silty	clav loam					lassification:			Wetland ID:	O(30)-W6
Landform:	depression	•		Loc	al Relief:	_				Sample Point:	,
	N/A	Latitude:	NI/A				y nat	Datum:	NI/A	-	
Slope (%):					ongitude:					1	Forested wetland
·	-	ditions on the site typ				T		☑ Yes □		Section:	
_		or Hydrology 🛭 sig	=			Are		ımstances pr	esent?	Township:	
Are Vegetation	□ , Soil □,	or Hydrology 🗆 nat	urally pro	oblemati	c?		☑ Yes	s □ No		Range:	Dir:
SUMMARY OF	FINDINGS										
Hydrophytic Veg	getation Pre	sent?			□ No			Hydric Soils	Present?		
Wetland Hydrol				✓ Yes	_					Within A Wetla	
Remarks:		nal area adjacent to	pond					10 11110 C arri	omig i omi	vvidimi 7 v vvodi	
Tromanio.	2001000101	iai aroa aajaooni to	pond								
HYDROLOGY											
Wetland Hydro	ology Indica	ators (Check here if	f indicato	rs are n	ot presen	t □):					
Primary:	•	•			•	,			Secondary:		
	A1 - Surface	Water			B9 - Wate	er-Stained	Leaves			B6 - Surface So	oil Cracks
	A2 - High Wa	ater Table			B13 - Aqu	atic Fauna	a		7	B10 - Drainage	Patterns
7					B15 - Mar	•				B16 - Moss Trir	
	B1 - Water M				C1 - Hydr	_				C2 - Dry-Seaso	
	B2 - Sedimer						spheres on Liv	ing Roots		C8 - Crayfish B	
	B3 - Drift De						educed Iron				Visible on Aerial Imagery
	B4 - Algal Ma			닏			eduction in Tille	d Soils			Stressed Plants
	B5 - Iron Dep	วดรเซร on Visible on Aerial Ima	ogor./	님	C7 - Thin		race			D2 - Geomorph D3 - Shallow Ad	
		y Vegetated Concave S	•	Ц	Other (Ex	piairi)				D3 - Shallow Ac	•
	Do - Sparser	y vegetated Concave C	Dullace							D5 - FAC-Neuti	
											1000
Field Observat											
Surface Water I	Present?	☐ Yes ☑ No	Depth:		(in.)			Wetland Hy	drology Pr	esent?	Yes □ No
Water Table Pre	esent?	☐ Yes ☑ No	Depth:	>17	(in.)			Wetland my	di blogy i i	esent:	1103 🗆 110
Saturation Pres	ent?		Depth:	10	(in.)						
Decembe Decemb	ad Data (atr		<u> </u>				etions) if over	ا ما ما ما	N/A		
		eam gauge, monitorii	ng well, a	eriai pno	tos, previo	ous inspe	ctions), ii avai	liable:	IN/A		
Remarks:	Wetland hy	drology criteria is m	et			<u> </u>	· · ·				
Remarks:	Wetland hy	drology criteria is m	et				,				
SOILS	Wetland hy	drology criteria is m	et			·	·				
SOILS					Se						
SOILS Map Unit Name	: :	Sable silty clay loar	n			eries Dra	inage Class:	poorly	□Ves	□ No	
SOILS Map Unit Name Taxonomy (Sub	: ogroup):	Sable silty clay loar Typic Endoaquolls	n		Field Obs	eries Dra	inage Class: s Confirm Ma	<mark>poorly</mark> apped Type?			
SOILS Map Unit Name Taxonomy (Sub	: ogroup): otion (Describe to	Sable silty clay loar Typic Endoaquolls	n		Field Obs	eries Dra	inage Class: s Confirm Ma	poorly apped Type?			ocaiton: PL=Pore Lining, M=Matrix)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top	: ogroup): otion (Describe to Bottom	Sable silty clay loar Typic Endoaquolls the depth needed to document the	n e indicator or c	Matrix	Field Observe of indicator	eries Dra servation	inage Class: s Confirm Ma Concentration, D=Dep	poorly apped Type? oletion, RM=Reduced N Mottles	Matrix, CS=Covered	/Coated Sand Grains; L	Texture
SOILS Map Unit Name Taxonomy (Sub	: ogroup): otion (Describe to	Sable silty clay loar Typic Endoaquolls	n e indicator or c		Field Obs	eries Dra servation	inage Class: s Confirm Ma	poorly apped Type?			
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top	: ogroup): otion (Describe to Bottom	Sable silty clay loar Typic Endoaquolls the depth needed to document the	n e indicator or c	Matrix	Field Observe of indicator	eries Dra servation	inage Class: s Confirm Ma Concentration, D=Dep	poorly apped Type? oletion, RM=Reduced N Mottles	Matrix, CS=Covered	/Coated Sand Grains; L	Texture
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth	: group): tion (Describe to Bottom Depth	Sable silty clay loar Typic Endoaquolls the depth needed to document the	e indicator or c	Matrix (Moist)	Field Observe of indicate	eries Dra servation	inage Class: s Confirm Ma Concentration, D=Dep	poorly apped Type? oletion, RM=Reduced N Mottles	Matrix, CS=Covered	/Coated Sand Grains; L	Texture (e.g. clay, sand, loam) silt loam
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0	group): tion (Describe to Bottom Depth 4	Sable silty clay loar Typic Endoaquolls the depth needed to document the Horizon	e indicator or co	Matrix (Moist) 2/2	Field Observe of indicate %	eries Draiservation ors.) (Type: C=	inage Class: s Confirm Ma Concentration, D=Dep	poorly apped Type? Deletion, RM=Reduced N Mottles %	Type	/Coated Sand Grains; L Location	Texture (e.g. clay, sand, loam)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4	egroup): tion (Describe to Depth 4 17+	Sable silty clay loar Typic Endoaquolls the depth needed to document the Horizon 1 2	e indicator or c Color 10YR 10YR	Matrix (Moist) 2/2 3/1 	% 100 100	eries Draservation servation Colo colo distinct	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4	poorly apped Type? Mottles % 5	Type C	Location M	Texture (e.g. clay, sand, loam) silt loam silty clay loam
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4	egroup): tion (Describe to Depth 4 17+	Sable silty clay loar Typic Endoaquolls the depth needed to document the Horizon 1 2	Color 10YR 10YR	Matrix (Moist) 2/2 3/1 	% 100 100	eries Drasservation servation Colo distinct	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4	poorly apped Type? Mottles % 5	Type C	Location M	Texture (e.g. clay, sand, loam) silt loam silty clay loam
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4	egroup): tion (Describe to Depth 4 17+	Sable silty clay loar Typic Endoaquolls the depth needed to document the Horizon 1 2	e indicator or c Color 10YR 10YR	Matrix (Moist) 2/2 3/1 	% 100 100	eries Draservation servation Colo colo distinct	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4	poorly apped Type? Mottles % 5	Type C	Location M	Texture (e.g. clay, sand, loam) silt loam silty clay loam
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4	egroup): tion (Describe to Depth 4 17+	Sable silty clay loar Typic Endoaquolls the depth needed to document the Horizon 1 2	Color 10YR 10YR	Matrix (Moist) 2/2 3/1 	% 100 100	eries Drasservation servation Colo distinct	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4	poorly apped Type? Mottles % 5	Type C	Location M	Texture (e.g. clay, sand, loam) silt loam silty clay loam
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4	: ogroup): tion (Describe to Bottom Depth 4 17+	Sable silty clay loar Typic Endoaquolls the depth needed to document the Horizon 1 2	Color 10YR	Matrix (Moist) 2/2 3/1 	% 100 100	cries Draservation crs.) (Type: C= Colo distinct	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4	poorly apped Type? Detion, RM=Reduced N Mottles % 5	Type C	Location M	Texture (e.g. clay, sand, loam) silt loam silty clay loam
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4	: ogroup): otion (Describe to Bottom Depth 4 17+	Sable silty clay loar Typic Endoaquolls the depth needed to document the Horizon 1 2	Color 10YR	Matrix (Moist) 2/2 3/1 	% 100 100	cries Draservation Servation Colc distinct	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4	poorly apped Type? Mottles % 5	Type C	Location M	Texture (e.g. clay, sand, loam) silt loam silty clay loam
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4	: ogroup): otion (Describe to Depth 4 17+	Sable silty clay loar Typic Endoaquolls the depth needed to document the Horizon 1 2	Color 10YR	Matrix (Moist) 2/2 3/1 	% 100 100	cries Draservation crs.) (Type: C= Colo distinct	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4	poorly apped Type? Mottles % 5	Type C	Location M	Texture (e.g. clay, sand, loam) silt loam silty clay loam
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 NRCS Hydric S	: ogroup): otion (Describe to Bottom Depth 4 17+ Soil Field In	Sable silty clay loar Typic Endoaquolls the depth needed to document the Horizon 1 2	Color 10YR	Matrix (Moist) 2/2 3/1 	% 100 100 re not pre	cries Draservation servation Colo distinct sent	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4	poorly apped Type? bletion, RM=Reduced M Mottles % 5 Indicators	Type C s for Problem	Location M natic Soils 1	Texture (e.g. clay, sand, loam) silt loam silty clay loam
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 NRCS Hydric S	: ogroup): otion (Describe to Bottom Depth 4 17+ Soil Field Ir A1- Histosol	Sable silty clay loar Typic Endoaquolls the depth needed to document the Horizon 1 2 andicators (check he	Color 10YR	Matrix (Moist) 2/2 3/1 	% 100 100 re not pre S8 - Polyv	cries Drasservation crs.) (Type: C= Colo distinct sent value Belov	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4	poorly apped Type? Mottles % 5 Indicators	Type C s for Problem	Location M natic Soils ¹ Nuck (LRR K, L	Texture (e.g. clay, sand, loam) silt loam silty clay loam
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 NRCS Hydric	group): btion (Describe to Bottom Depth 4 17+ Soil Field In A1- Histosol A2 - Histic Ep	Sable silty clay loar Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check he	Color 10YR	Matrix (Moist) 2/2 3/1 cators ar	% 100 100 re not pre S8 - Polyv (LRR R, N	cries Draservation servation Colo distinct sent value Below	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4 : w Surface B)	poorly apped Type? Mottles % 5 Indicators	Type C s for Problem A10 - 2 cm	Location M matic Soils Prairie Redox (I	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 NRCS Hydric S	group): bgroup): Bottom Depth 4 17+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black Hi	Sable silty clay loar Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check here)	Color 10YR	Matrix (Moist) 2/2 3/1 	% 100 100 re not pre S8 - Polyv (LRR R, N S9 - Thin	cries Draservation crs.) (Type: C= Colo distinct sent value Below MLRA 149 Dark Surfa	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4 : w Surface B) acce	poorly apped Type? Mottles % 5 Indicators	Type C s for Problem A10 - 2 cm A16 - Coast S3 - 5cm M	Location M matic Soils ¹ Muck (LRR K, L Prairie Redox (Iucky Peat of Pea	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 NRCS Hydric	Bottom Depth 4 17+ Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge	Sable silty clay loar Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check here) pipedon istic en Sulfide	Color 10YR	Matrix (Moist) 2/2 3/1 cators ar	% 100 100 re not pre S8 - Polyv (LRR R, I) S9 - Thin (LRR R, I)	cries Draservation servation cries Colo crie	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4 : w Surface B) ace B)	poorly apped Type? Mottles % 5 Indicators	Type C s for Problen A10 - 2 cm A16 - Coast S3 - 5cm Me S7 - Dark S	Location M Muck (LRR K, L) Prairie Redox (Iucky Peat of Peaturface (LRR K, I	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) L)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 NRCS Hydric	Bottom Depth 4 17+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black Hi A4 - Hydroge A5 - Stratified	Sable silty clay loar Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check here) bipedon istic en Sulfide d Layers	Color 10YR 10YR ere if indic	Matrix (Moist) 2/2 3/1 cators ar	% 100 100 re not pre S8 - Polyv (LRR R, N S9 - Thin (LRR R, N F1 - Loam	cries Draservation crs.) (Type: C= Colo distinct sent value Belo MLRA 149 Dark Surfa MLRA 149 ny Muck M	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4 : w Surface B) ace B)	poorly apped Type? Mottles % 5 Indicators	Type C s for Problem A10 - 2 cm A16 - Coast S3 - 5cm Mi S7 - Dark S S8 - Polyval	Location M Muck (LRR K, L Prairie Redox (Iucky Peat of Peaturface (LRR K, Iucky Peatof Peaturface (LRR K, Iucky Below Surface	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) L) ce (LRR K, L)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 NRCS Hydric	Bottom Depth 4 17+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplet	Sable silty clay loar Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check here) pipedon istic en Sulfide d Layers ed Below Dark Surface	Color 10YR 10YR ere if indic	Matrix (Moist) 2/2 3/1 cators ar	% 100 100 re not pre S8 - Polyx (LRR R, N S9 - Thin (LRR R, N F1 - Loam (LRR K, L	cries Draservation servation cries Colo crie	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4): w Surface B) ace B) ineral	poorly apped Type? Detion, RM=Reduced M Mottles % 5 Indicators	Type C s for Problem A10 - 2 cm A16 - Coast S3 - 5cm Me S7 - Dark S S8 - Polyval S9 - Thin Da	Location M Muck (LRR K, L) Prairie Redox (Iucky Peat of Peaturface (LRR K, Iuchy Peat of Peaturface (LRR K, Iuchy P	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) Ce (LRR K, L) R K, L)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 NRCS Hydric	Bottom Depth 4 17+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick [Sable silty clay loar Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check here) cipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface	Color 10YR 10YR ere if indic	Matrix (Moist) 2/2 3/1 cators ar	% 100 100	cries Draservation crs.) (Type: C= Colo distinct sent	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4 : w Surface B) ace B) ineral Matrix	poorly apped Type? Detion, RM=Reduced M Mottles % 5 Indicators	Type C s for Problem A10 - 2 cm A16 - Coast S3 - 5cm Mr S7 - Dark S S8 - Polyval S9 - Thin Da F12 - Iron-M	Location M Muck (LRR K, L Prairie Redox (I ucky Peat of Peaurface (LRR K, I ue Below Surface (LRR K) ark Surface (LRR K) langanese Mass	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) ce (LRR K, L) ses (LRR K, L, R)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 NRCS Hydric	group): btion (Describe to Bottom Depth 4 17+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick E S1 - Sandy N	Sable silty clay loar Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral	Color 10YR 10YR ere if indic	Matrix (Moist) 2/2 3/1 cators ar	% 100 100	cries Draservation servation cries Colo crie	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4): w Surface B) ace B) ineral Matrix	poorly apped Type? Detion, RM=Reduced M Mottles % 5 Indicators	Type C s for Problem A10 - 2 cm M A16 - Coast S3 - 5cm M S7 - Dark S S8 - Polyval S9 - Thin Da F12 - Iron-M F19 - Piedm	Location M Muck (LRR K, L Prairie Redox (I ucky Peat of Peaurface (LRR K, I ue Below Surface ark Surface (LRR K) langanese Massiont Floodplain S	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) Soils (MLRA 149B)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 NRCS Hydric	group): btion (Describe to Bottom Depth 4 17+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick E S1 - Sandy N	Sable silty clay loar Typic Endoaquolls the depth needed to document the Horizon 1 2 dicators (check here) cipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix	Color 10YR 10YR ere if indic	Matrix (Moist) 2/2 3/1 cators ar	% 100 100	cries Drasservation crs.) (Type: C= Colo distinct sent	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4	poorly apped Type? Detion, RM=Reduced M Mottles % 5 Indicators	Type C	Location M Muck (LRR K, L Prairie Redox (I ucky Peat of Peaurface (LRR K, I ue Below Surface ark Surface (LRR K) langanese Massiont Floodplain S	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) ce (LRR K, L) ses (LRR K, L, R)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 NRCS Hydric S	Bottom Depth 4 17+	Sable silty clay loar Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check he cipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox	Color 10YR 10YR ere if indic	Matrix (Moist) 2/2 3/1 cators ar	% 100 100	cries Draservation servation cries Colo crie	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4): w Surface B) ace B) ineral Matrix orface Surface Surface	poorly apped Type? Detion, RM=Reduced M Mottles % 5 Indicators	Type C s for Problem A10 - 2 cm M A16 - Coast S3 - 5cm M S7 - Dark S S8 - Polyval S9 - Thin Da F12 - Iron-M F19 - Piedm TA6 - Mesic TF2 - Red F	Location M	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) Ce (LRR K, L) R K, L) Ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 NRCS Hydric S	Bottom Depth 4 17+ Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick E S1 - Sandy N S4 - Sandy N S4 - Sandy N S6 - Stripped	Sable silty clay loar Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check he cipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox	Color 10YR 10YR ere if indic	Matrix (Moist) 2/2 3/1 cators ar	% 100 100	cries Draservation servation cries Colo crie	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4): w Surface B) ace B) ineral Matrix orface Surface Surface	poorly apped Type? Detion, RM=Reduced M Mottles % 5 Indicators	Type C	Location M Muck (LRR K, L Prairie Redox (I ucky Peat of Peaurface (LRR K, I ue Below Surface ark Surface (LRR K) langanese Mass ant Floodplain Sespodic (MLRA Parent Material	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) Ce (LRR K, L) R K, L) Ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 NRCS Hydric	Bottom Depth 4 17+ Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick E S1 - Sandy N S4 - Sandy N S4 - Sandy N S6 - Stripped	Sable silty clay loar Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check here) cipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox I Matrix	Color 10YR 10YR ere if indic	Matrix (Moist) 2/2 3/1 cators ar	% 100 100	cries Draservation servation cries Colo crie	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4): w Surface B) ace B) ineral Matrix orface Surface Surface	poorly apped Type? Mottles % 5 Indicators	Type C	Location M	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) Ce (LRR K, L) R K, L) Ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B)
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 NRCS Hydric S	group): bion (Describe to Bottom Depth 4 17+ Soil Field Ir A1- Histosol A2 - Histic E A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick I S1 - Sandy I S4 - Sandy I S5 - Sandy I S6 - Stripped S7 - Dark Su	Sable silty clay loar Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check here) bipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox I Matrix Irface (LRR R, MLRA 1	Color 10YR 10YR ere if indic	Matrix (Moist) 2/2 3/1 cators ar	% 100 100	cries Draservation servation cries Colo crie	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4	poorly apped Type? Mottles % 5 Indicators	Type C s for Problem A10 - 2 cm A16 - Coast S3 - 5cm M S7 - Dark S S8 - Polyval S9 - Thin Da F12 - Iron-N F19 - Piedm TA6 - Mesic TF2 - Red F TF12 - Very Other (Expla of hydrophytic vege or problematic.	Location M Muck (LRR K, L, Prairie Redox (Iucky Peat of Peaturface (LRR K, Iucky Peat of Peat of Peaturface (LRR K, Iucky Peat of Peat	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) Ce (LRR K, L) Ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B) urface clogy must be present, unless
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 NRCS Hydric S	Bottom Depth 4 17+ Soil Field Ir A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick E S1 - Sandy N S4 - Sandy N S4 - Sandy N S6 - Stripped	Sable silty clay loar Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check here) bipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox I Matrix Irface (LRR R, MLRA 1	Color 10YR 10YR ere if indic	Matrix (Moist) 2/2 3/1 cators ar	% 100 100	cries Draservation servation cries Colo crie	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4	poorly apped Type? Mottles % 5 Indicators	Type C s for Problem A10 - 2 cm A16 - Coast S3 - 5cm M S7 - Dark S S8 - Polyval S9 - Thin Da F12 - Iron-N F19 - Piedm TA6 - Mesic TF2 - Red F TF12 - Very Other (Expla of hydrophytic vege or problematic.	Location M Muck (LRR K, L, Prairie Redox (Iucky Peat of Peaturface (LRR K, Iucky Peat of Peat of Peaturface (LRR K, Iucky Peat of Peat	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) Ce (LRR K, L, R) Ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B) urface
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 4 NRCS Hydric S	Egroup): ogroup): ogroup): Bottom Depth 4 17+ Soil Field Ir A1- Histosol A2 - Histic El A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick E S1 - Sandy N S4 - Sandy N S4 - Sandy R S5 - Sandy R S6 - Stripped S7 - Dark Su Type:	Sable silty clay loar Typic Endoaquolls the depth needed to document the Horizon 1 2 ndicators (check here) bipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Gleyed Matrix Redox I Matrix Irface (LRR R, MLRA 1	Color 10YR 10YR ere if indic	Matrix (Moist) 2/2 3/1 cators ar	% 100 100	cries Draservation servation cries Colo crie	inage Class: s Confirm Ma Concentration, D=Dep or (Moist) 7.5YR 4/4	poorly apped Type? Mottles % 5 Indicators	Type C s for Problem A10 - 2 cm A16 - Coast S3 - 5cm M S7 - Dark S S8 - Polyval S9 - Thin Da F12 - Iron-N F19 - Piedm TA6 - Mesic TF2 - Red F TF12 - Very Other (Expla of hydrophytic vege or problematic.	Location M Muck (LRR K, L, Prairie Redox (Iucky Peat of Peaturface (LRR K, Iucky Peat of Peat of Peaturface (LRR K, Iucky Peat of Peat	Texture (e.g. clay, sand, loam) silt loam silty clay loam , MLRA149B) LRR K, L, R) at (LRR K, L, R) be (LRR K, L, R) Ce (LRR K, L) Ses (LRR K, L, R) Soils (MLRA 149B) 144A, 145, 149B) urface clogy must be present, unless



Northcentral and Northeast Region

Rockdale-W. Middleton - Seg. O Project/Site: Wetland ID: O(30)-W6 Sample Point P-13 **VEGETATION** (Species identified in all uppercase are non-native species.) Tree Stratum (Plot size: 10 meter radius) **Dominance Test Worksheet** Species Name % Cover Dominant Ind.Status Populus deltoides 1. 30 Υ FAC Number of Dominant Species that are OBL, FACW, or Υ 2. Acer negundo 20 **FACW** FAC: 3 (A) 3. 4. Total Number of Dominant Species Across All Strata: 5. Percent of Dominant Species That Are OBL, FACW, or 6. FAC: **75.0%** (A/B) ----7. 8. **Prevalence Index Worksheet** 9. Total % Cover of: Multiply by: 10. x 1 =OBL spp. 0 Total Cover = 50 FACW spp. x 2 =x 3 =FAC spp. 40 120 x 4 =Sapling/Shrub Stratum (Plot size: 5 meter radius) FACU spp. RHAMNUS CATHARTICA Υ 50 **FACU** UPL spp. x = 51. 2. 3. Total 110 360 (B) 4. 5. Prevalence Index = B/A = 3.273 6. --7. --8. **Hydrophytic Vegetation Indicators:** 9. □Yes ☑ No Rapid Test for Hydrophytic Vegetation 10. ☑Yes □ No Dominance Test is > 50% Total Cover = 50 ✓ No □Yes Prevalence Index is ≤ 3.0 * □Yes ☑ No Morphological Adaptations (Explain) * ☑ No Herb Stratum (Plot size: 2 meter radius) □Yes Problem Hydrophytic Vegetation (Explain) * ALLIARIA PETIOLATA 10 Υ **FAC** 1. * Indicators of hydric soil and wetland hydrology must be 2. -present, unless disturbed or problematic. 3. 4. **Definitions of Vegetation Strata:** 5. Tree - Woody plants 3 in. (7.6cm) or more in 6 ---diameter at breast height (DBH), regardless of 7. heiaht. 8. Sapling/Shrub - Woody plants less than 3 in. DBH and greater 9. than 3.28 ft. tall. 10. 11. Herb - All herbaceous (non-woody) plants, 12. ---regardless of size, and woody plants less than 13. ----2 20 ft tall 14. **Woody Vines -** All woody vines greater than 3.28 ft. in height. 15. Total Cover = 10 Woody Vine Stratum (Plot size: 10 meter radius) 1. 2. --**Hydrophytic Vegetation Present** ☑ Yes □ No 3. 4. Total Cover = Remarks: Wetland vegetation criteria is met

Additional Remarks:

All three wetland criteria are met; area considered to be wetland



Stantec												
Project/Site:	Rockdale-V	V. Middleton - Seg.	0			Stante	c Project #:	193700008		Date:	12/19/11	
Applicant:	ATC	Ŭ		•						County:	Dane	
Investigator #1:				Investigator #2:						State:	Wisconsin	
Soil Unit:		clay loam		NWI/WWI Classification:						Wetland ID:	VV1300113111	
	Sable silty	ciay idam									D.44	
Landform:	side slope	1 44 1		Local Relief: gently sloping shoulder					21/2	Sample Point:		
Slope (%):	N/A	Latitude:			ongitude:			Datum:		Community ID:	Upland forest	
Are climatic/hyd	Irologic cond	ditions on the site typ	pical for t	his time	of year?			☑ Yes □		Section:		
Are Vegetation [□ , Soil □,	or Hydrology 🗆 sigr	nificantly	disturbe	ed?	Are	normal circu	ımstances pre	esent?	Township:		
•		or Hydrology □ nati	-				┌ Yes	s □ No		Range:	Dir:	
SUMMARY OF		or right oregy — man								r tailige i	5	
		a a n t O		□ Vee	- No			Lludria Caila	Dragonta		□ Voo. □ No.	
Hydrophytic Ve					_			Hydric Soils		A 11/4 1	☐ Yes ☑ No	
Wetland Hydrol				☐ Yes				Is This Samp	oling Point V	Within A Wetla	and? ■ Yes ■ No	
Remarks:	Occurs nea	ar the edge of the tra	insmissio	on line R	ROW							
HYDROLOGY												
		- (- · · · · · · · · · · · · · · · · ·	·		. 1							
		ators (Check here if	indicato	rs are no	ot present	: ᠘):			_			
<u>Primary:</u>				_					Secondary:			
☐ A1 - Surface Water ☐ A2 - High Water Table				☐ B9 - Water-Stained Leaves ☐						B6 - Surface Soil Cracks B10 - Drainage Patterns		
				☐ B13 - Aquatic Fauna ☐								
	A3 - Saturation			□ B15 - Marl Deposits□ C1 - Hydrogen Sulfide Odor□					B16 - Moss Trim Lines			
	B1 - Water M				-	_		ina Deete		C2 - Dry-Seaso		
	B2 - Sedimer	•					spheres on Liv	ing Roots		C8 - Crayfish B		
	B3 - Drift Dep						educed Iron	d Caila			Visible on Aerial Imagery Stressed Plants	
	B4 - Algal Ma B5 - Iron Dep				Co - Rece		eduction in Tille	u 30118		D2 - Geomorph		
		on Visible on Aerial Ima	naerv		Other (Exp		iace			D3 - Shallow Ac		
		Vegetated Concave S	•	Ц	Other (LA	piairi)				D4 - Microtopog		
	Bo Oparaci	vegetated contains c	undoc							D5 - FAC-Neutr	-	
=										70 1710 110011	<u> </u>	
Field Observat	ions:											
Surface Water F	Present?	☐ Yes ☑ No	Depth:		(in.)			Watland Hy	drology Dr	ocont?	Yes ☑ No	
Water Table Pre	esent?	☐ Yes ☑ No	Depth:	>20	(in.)			Wetland Hy	urology Fr	esent:	Yes ☑ No	
Saturation Pres	ent?	☐ Yes ☑ No	Depth:	>20	(in.)							
	15 / / /								N1/A			
Describe Record	ed Data (str	eam daude, monitorir	na well a	arial nha	tae aravia	NIIO IDODO	Otione) it avai	ilahla:	KI//X			
	(5.1.	gaage, memen	ig Woii, a	chai pho	ios, previo	ous msper	Clions), ii avai	liable.	N/A			
Remarks:	`	drology criteria is no		criai prio	ios, previo	ous inspec	Clioris), ii avai	ilable.	IN/A			
Remarks:	`			chai pho	ios, previo	ous irisper	ctions), ii avai	liable.	IV/A			
	`			chai pho	103, previo	ous mspe	clions), ii avai	liable.	N/A			
SOILS	Wetland hy	drology criteria is no	ot met	chai pho	·	·	·		IV/A			
SOILS Map Unit Name	Wetland hy	drology criteria is no Sable silty clay loan	ot met		Se	eries Drai	inage Class:	poorly				
SOILS Map Unit Name Taxonomy (Sub	Wetland hy : ogroup):	Sable silty clay loan Typic Endoaquolls	n met		Se Field Obs	eries Drai	inage Class: s Confirm M	poorly apped Type?	□ Yes	☑ No		
SOILS Map Unit Name Taxonomy (Sub Profile Descrip	Wetland hy : ogroup):	Sable silty clay loan Typic Endoaquolls	n met		Se Field Obs	eries Drai	inage Class: s Confirm M	poorly apped Type?	□ Yes		ocaiton: PL=Pore Lining, M=Matrix)	
SOILS Map Unit Name Taxonomy (Sub	Wetland hy : ogroup):	Sable silty clay loan Typic Endoaquolls	n met		Se Field Obs	eries Drai	inage Class: s Confirm M	poorly apped Type?	□ Yes		Texture	
SOILS Map Unit Name Taxonomy (Sub Profile Descrip	Wetland hy : ogroup): otion (Describe to	Sable silty clay loan Typic Endoaquolls	n e indicator or co	onfirm the abs	Se Field Obs	eries Drai servation	inage Class: s Confirm M	poorly apped Type?	☐ Yes Matrix, CS=Covered			
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth	: egroup): btion (Describe to Bottom Depth	Sable silty clay loan Typic Endoaquolls the depth needed to document the	n Color	onfirm the abs Matrix (Moist)	Se Field Obs ence of indicator	eries Drai servation	inage Class: s Confirm Ma Concentration, D=Dep	poorly apped Type? Deletion, RM=Reduced M Mottles	□ Yes	/Coated Sand Grains; Lo	Texture (e.g. clay, sand, loam	
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0	Wetland hy group): tion (Describe to Bottom Depth 5	Sable silty clay loan Typic Endoaquolls the depth needed to document the	Color (10YR)	onfirm the abs Matrix (Moist) 3/2	Se Field Obsence of indicator	eries Drai servation rs.) (Type: C=	inage Class: s Confirm MacConcentration, D=Dep	poorly apped Type? Deletion, RM=Reduced M Mottles %	☐ Yes Matrix, CS=Covered Type	Coated Sand Grains; Location	Texture (e.g. clay, sand, loam silt loam	
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 5	: egroup): btion (Describe to Bottom Depth	Sable silty clay loan Typic Endoaquolls the depth needed to document the	Color (10YR)	Matrix (Moist) 3/2 4/4	Serield Observe of indicator	eries Drai servation rs.) (Type: C=	inage Class: s Confirm MacConcentration, D=Dep	poorly apped Type? Deletion, RM=Reduced M Mottles %	☐ Yes Matrix, CS=Covered Type	Coated Sand Grains; Location	Texture (e.g. clay, sand, loam) silt loam silt loam	
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SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 5	Wetland hy group): tion (Describe to Bottom Depth 5	Sable silty clay loan Typic Endoaquolls the depth needed to document the	Color (10YR)	Matrix (Moist) 3/2 4/4	Serield Observe of indicator	eries Drai servation rs.) (Type: C=	inage Class: s Confirm MacConcentration, D=Dep	poorly apped Type? Deletion, RM=Reduced M Mottles %	☐ Yes Matrix, CS=Covered Type	Coated Sand Grains; Location	Texture (e.g. clay, sand, loam) silt loam silt loam	
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SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 5 11	Wetland hy group): otion (Describe to Bottom Depth 5 11 20+	Sable silty clay loan Typic Endoaquolls the depth needed to document the Horizon 1 2 3	Color (10YR 10YR 10YR 10YR 10YR 10YR 10YR 10YR	onfirm the abs Matrix (Moist) 3/2 4/4 3/2 3/3 3/2	Se Field Obsence of indicators % 100 90 10 90 10	cries Draiservation rs.) (Type: C=	inage Class: Is Confirm MacConcentration, D=Dep	poorly apped Type? Deletion, RM=Reduced M Mottles %	Type	Location	Texture (e.g. clay, sand, loam) silt loam silt loam silt loam silt loam silt loam silt loam	
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 5 11	Wetland hy group): otion (Describe to Bottom Depth 5 11 20+	Sable silty clay loan Typic Endoaquolls the depth needed to document the Horizon 1 2 3	Color (10YR 10YR 10YR 10YR 10YR	onfirm the abs Matrix (Moist) 3/2 4/4 3/2 3/3 3/2	% 100 90 10 90	cries Draiservation rs.) (Type: C=	inage Class: s Confirm MacConcentration, D=Dep	poorly apped Type? Detion, RM=Reduced M Mottles %	Type	Location	Texture (e.g. clay, sand, loam) silt loam silt loam silt loam silt loam silt loam	
SOILS Map Unit Name Taxonomy (Sub Profile Descrip Top Depth 0 5 11	Wetland hy ingroup): otion (Describe to Depth 5 11 20+	Sable silty clay loan Typic Endoaquolls the depth needed to document the Horizon 1 2 3	Color	onfirm the abs Matrix (Moist) 3/2 4/4 3/2 3/3 3/2	Serield Observe of indicators % 100 90 10 90	cries Draiservation rs.) (Type: C=0 Colo	inage Class: s Confirm MacConcentration, D=Dep	poorly apped Type? Detion, RM=Reduced M Mottles %	Type	Location	Texture (e.g. clay, sand, loam) silt loam silt loam silt loam silt loam silt loam silt loam	
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Northcentral and Northeast Region

Rockdale-W. Middleton - Seg. O Project/Site: Wetland ID: Sample Point P-14 VEGETATION (Species identified in all uppercase are non-native species.) Tree Stratum (Plot size: 10 meter radius) **Dominance Test Worksheet** Species Name % Cover Dominant Ind.Status **FACW** 1. Acer negundo 40 Υ Number of Dominant Species that are OBL, FACW, or ROBINIA PSEUDOACACIA Υ 2. 40 **FACU** FAC: 3 (A) 3. 20 Υ Populus deltoides **FAC** 4. Total Number of Dominant Species Across All Strata: 5. Percent of Dominant Species That Are OBL, FACW, or 6. FAC: **60.0%** (A/B) ------7. 8. **Prevalence Index Worksheet** 9. Total % Cover of: Multiply by: 10. x 1 =OBL spp. 0 Total Cover = 100 FACW spp. x 2 =x 3 =FAC spp. 100 300 x 4 =Sapling/Shrub Stratum (Plot size: 5 meter radius) FACU spp. 90 LONICERA X BELLA Υ 50 **FACU** UPL spp. x = 51. 2. 3. Total (B) 4. 5. Prevalence Index = B/A = 3.217 6. --7. --8. **Hydrophytic Vegetation Indicators:** 9. □Yes ☑ No Rapid Test for Hydrophytic Vegetation 10. ☑Yes □ No Dominance Test is > 50% Total Cover = 50 ✓ No □Yes Prevalence Index is ≤ 3.0 * □Yes ☑ No Morphological Adaptations (Explain) * ☑ No Herb Stratum (Plot size: 2 meter radius) □Yes Problem Hydrophytic Vegetation (Explain) * ALLIARIA PETIOLATA 80 Υ **FAC** 1. * Indicators of hydric soil and wetland hydrology must be 2. -present, unless disturbed or problematic. 3. 4. **Definitions of Vegetation Strata:** 5. Tree - Woody plants 3 in. (7.6cm) or more in 6 ---diameter at breast height (DBH), regardless of 7. heiaht. 8. 9. Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft. tall. 10. 11. Herb - All herbaceous (non-woody) plants, 12. ---regardless of size, and woody plants less than 13. ----2 20 ft tall 14. **Woody Vines -** All woody vines greater than 3.28 ft. in height. 15. Total Cover = 80 Woody Vine Stratum (Plot size: 10 meter radius) 1. 2. --3. 4. Total Cover = Remarks: Wetland vegetation criteria is met.

Additional Remarks:

Segment O, Appendix F

Typical ATC Seed Mixes (see Segment A, Appendix F)