



US Army Corps
of Engineers
St Paul District

APPLICANT: Unimin Corporation,
c/o Mr. Doug Losee

Public Notice

ISSUED: December 17, 2013

EXPIRES: January 17, 2014

REFER TO: 2013-04783-SEW

SECTION:404 - Clean Water Act

1. APPLICATION FOR PERMIT TO discharge dredged and fill material into approximately 2.81 acres of a tributary (Joint County Ditch 2) to Lake Washington and approximately 3 acres of partially drained wet meadow wetlands adjacent to Joint County Ditch 2 to facilitate a wetland restoration project.

2. SPECIFIC INFORMATION.

APPLICANT'S ADDRESS: 121 St.
Andrews Drive, Mankato, Minnesota
56001

AGENT:
I&S Group, Inc., c/o Mr. Nick
McCabe

AGENT'S ADDRESS:
115 E. Hickory Street, Suite 300, Mankato, Minnesota 56001

PROJECT LOCATION: The project site is located in SE ¼ of Sec. 16, and SW ¼ Sec. 15, T. 109N., R. 25W., Le Sueur County, Minnesota. The approximate coordinates are -93.832124W., 44.242856N.

DESCRIPTION OF PROJECT: Unimin Corporation proposes to hydrologically restore an existing partially-drained wet meadow wetland located upstream of Lake Washington. Lake Washington is approximately 1,487 acres in size and is on the Minnesota Pollution Control Agency's 303d list as impaired for aquatic consumption by mercury in fish tissue and aquatic recreation by nutrient and eutrophication biological indicators. The site of the wetland restoration includes an existing 37.22-acre wet meadow wetland. The wetland is partially drained by Joint County Ditch 2, which enters the wetland from the southeast corner, runs northwest through the wetland area, and exits in the northwest corner. The ditch eventually enters Lake Washington about one mile downstream of the subject wetland area. Another unnamed tributary enters the wetland area from the south side of the wetland boundary, and joins Joint County Ditch 2 (JCD 2) in the wetland area.

Where needed, invasive species control in areas dominated by reed canary grass would be performed through mechanical and chemical means, including stripping topsoil between 1,001 feet to 1,003 feet MSL. The wetland would be restored by plugging approximately 3,787 linear feet of JCD 2 with stripped topsoil to a maximum elevation of about 1,000 feet MSL. Approximately four to six areas roughly 0.5 acre in size and three to four feet deep would be excavated in the wet meadow wetland area for wildlife habitat. This material would also be used as fill to plug JCD 2. An outlet structure would be installed across JCD 2 on the northwest side of the restoration project, consisting of a 16-foot wide, 8.5-foot high steel sheet pile weir set at outlet elevation 1002.0 MSL, with 3:1 sideslopes and a top weir elevation of 1004.0 MSL. The outlet structure would also include a riprap-lined settling basin on the downstream side of the weir. The weir would be driven 20 feet below grade

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SUBJECT: Notice of Application for Permit

at the weir crest, and 11.5 feet below the stilling basin. The settling basin would be 16 feet wide, 20 feet long and 2 feet deep, with MnDOT Class III riprap lining the settling basin bottom and banks to an elevation of 1005.0 feet MSL for the purpose of providing erosion protection for all anticipated storm events. On the upstream of the weir outlet, grouted riprap would be placed along approximately 10 linear feet of the inlet area.

The restored wetland would include two basins separated by County Road 104 (CR 104). The smaller basin lies east of CR 104 at the inlet of the restoration area. An existing 36-inch diameter, 100-foot long corrugated metal pipe culvert with inlet elevation 996.54 and outlet elevation 995.98 passes JCD 2 between the two basins. This culvert would be replaced with a 75-foot long, 48-inch reinforced concrete pipe culvert (inlet elevation 1001.00, and outlet elevation 1000.25), raised between four and five feet. Approximately 10 linear feet and 5 linear feet of riprap would be placed at the culvert outlet and inlet, respectively, on top of Type 3 geotextile fabric. CR 104 would be reconstructed over the culvert to include two 12-foot travel lanes and 3-foot shoulders.

The maintained water level in the restored basin is expected to be 1002.0 feet MSL. The applicant completed a hydrologic and hydraulic analysis of the existing and proposed conditions. The analysis shows the restoration would decrease flows downstream of the site, and velocities leaving the outfall structure would be the same as existing or less. The project is not expected to impact upstream resources. The applicant also completed a structural analysis for the proposed sheet pile weir, which demonstrated that the design would be suitable with the existing soil conditions.

The site would be seeded to native vegetation, using Minnesota State Seed Mixes 34-181 (Emergent Wetland) and 34-271 (Wet Meadow South & West) in the wetland areas, and 35-541 (Mesic Prairie Southwest) in the upland buffer areas. The project is expected to result in 43.89 acres of wetland, including 7.23 acres of wet meadow, 15.05 acres of shallow marsh, 19.98 acres of deep marsh, and 1.63 acres of wooded swamp. Also, the project would restore 47.02 acres of upland buffer dominated by native, non-invasive species.

QUANTITY, TYPE, AND AREA OF FILL: The project would result in 2.66 acres of fill in JCD 2 to plug the ditch. Additionally, approximately 0.13 acre of fill would be required in JCD 2 for the outlet structure, and 0.02 acre of fill would occur in JCD 2 to replace and raise the inlet culvert under CR 104. Approximately three acres of existing partially drained wetland would be affected by excavation for wildlife habitat purposes, as described above. The project is expected to involve a total of approximately 8,994 cubic yards of excavation, and the placement of 8,954 cubic yards of fill using on-site material.

Anticipated quantities of MnDOT Class III riprap include 545 cubic yards on the downstream side of the outlet structure, 70 cubic yards on the upstream side of the outlet structure, 5 cubic yards on the downstream side of the CR 104 culvert, and 2 cubic yards on the upstream side of the CR 104 culvert.

VEGETATION IN AFFECTED AREA: The project area includes approximately 37.22 acre of existing wetland. The wetland-upland boundary transition was defined by reed canary grass and smooth brome. Besides reed canary grass, the wetland area contains cattails and river bulrush. The site contains a wooded upland area. The majority of the site was enrolled in the Conservation Reserve Program prior to being purchased by Unimin this past year, though the southern portion of the site was farmed. Prior to enrollment in the CRP program, most of the site was regularly farmed.

SOURCE OF FILL MATERIAL: See discussion under "Quantity, Type, and Area of Fill".

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SURROUNDING LAND USE: The project occurs in a rural setting. The surrounding land use is predominately agriculture, with scattered rural residences and farm buildings, and undeveloped wetland and wooded areas. Lake Washington lies directly to the west, and is surrounded by a ring of residential development.

DESCRIPTION OF STRUCTURE: See above discussion under “Description of Project” for details regarding the proposed outlet weir and the inlet culvert.

DESCRIPTION OF DREDGING OR EXCAVATION: See above discussion under “Description of Project” for details regarding the proposed excavation work.

THE FOLLOWING POTENTIALLY TOXIC MATERIALS COULD BE USED AT THE PROJECT SITE: Petroleum products would be used to power the excavators, backhoes, and other mining equipment.

THE FOLLOWING PRECAUTIONS TO PROTECT WATER QUALITY HAVE BEEN DESCRIBED BY THE APPLICANT: Temporary and permanent erosion and sedimentation best management practices (BMPs) would be utilized, including silt fence, bioroll, riprap, and geotextile fabric. The applicant will adhere to National Pollutant Discharge Elimination System/State Disposal System (NPDES/SDS) Discharge Permit requirements, which includes a Stormwater Pollution Prevention Plan (SWPPP).

MITIGATION: The applicant did not propose compensatory mitigation for the proposed permanent wetland and ditch impacts. The project is designed to return the wetland to pre-existing hydrologic conditions by filling a drainage ditch and restoring dominance by native, non-invasive vegetation in the vegetated portions of the wetland and in the upland buffer area. The project would result in a net increase of 6.67 acres of wetland, and would improve vegetative quality and habitat. The restoration should provide downstream water quality benefits for Lake Washington by increasing floodwater attenuation, stormwater filtration, and sediment trapping. The need for compensatory mitigation will be evaluated by the Corps during the permit review process.

3. REPLIES/COMMENTS.

Interested parties are invited to submit to this office written facts, arguments, or objections within 30 days of the date of this notice. These statements should bear upon the suitability of the location and the adequacy of the project and should, if appropriate, suggest any changes believed to be desirable. Comments received may be forwarded to the applicant.

Replies may be addressed to Regulatory Branch, St. Paul District, Corps of Engineers, 180 Fifth Street East, Suite 700, Saint Paul, MN 55101-1678.

Or, IF YOU HAVE QUESTIONS ABOUT THE PROJECT, call Sarah Wingert at the St. Paul office of the Corps, telephone number (651) 290-5358.

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To receive Public Notices by e-mail, go to: To receive Public Notices by e-mail, go to: http://mvp-extstp.mvp.usace.army.mil/list_server/ and add your information in the New Registration Box.

4. FEDERALLY-LISTED THREATENED OR ENDANGERED WILDLIFE OR PLANTS OR THEIR CRITICAL HABITAT.

None were identified by the applicant or are known to exist in the permit area. There are no known Federally-listed threatened (T) and endangered (E) species in Le Sueur County.

This application is being coordinated with the U.S. Fish and Wildlife Service. Any comments it may have concerning Federally-listed threatened or endangered wildlife or plants or their critical habitat will be considered in our final assessment of the described work.

5. JURISDICTION.

This application is being reviewed in accordance with the practices for documenting Corps jurisdiction under Sections 9 & 10 of the Rivers and Harbors Act of 1899 and Section 404 of the Clean Water Act identified in Regulatory Guidance Letter 08-02. We have made an initial determination that the aquatic resources that would be impacted by the proposed project are regulated by the Corps of Engineers under Section 404 of the Clean Water Act and/or Section(s) 9 & 10 of the Rivers and Harbors Act. The Corps will prepare an approved or preliminary jurisdictional determination prior to making a permit decision. Approved jurisdictional determinations are posted on the St. Paul District web page at <http://www.mvp.usace.army.mil/Missions/Regulatory.aspx>.

THE APPLICANT HAS STATED THAT THE FOLLOWING STATE, COUNTY, AND/OR LOCAL PERMITS HAVE BEEN APPLIED FOR/ISSUED: 1) NPDES General Construction permit from Minnesota Pollution Control Agency (to be obtained by contractor); 2) Dam Safety/Public Water Permit from Minnesota Department of Natural Resources (obtained); 3) Wetland Conservation Act Replacement Plan (obtained and under appeal).

6. STATE SECTION 401 WATER QUALITY CERTIFICATION.

Valid Section 404 permits cannot be issued for any activity unless state water quality certification for the activity is granted or waived pursuant to Section 401 of the Clean Water Act. The state Section 401 authority in Minnesota is the Minnesota Pollution Control Agency (MPCA). The St. Paul District has provided this public notice and a copy of the applicant's Section 404 permit application form to the MPCA. If MPCA needs any additional information in order for the Section 401 application to be considered complete by MPCA, the MPCA has indicated that it will request such information from the applicant. It is the permit applicant's responsibility to ensure that the MPCA has received a valid, complete application for state Section 401 certification and to obtain a final Section 401 action from the MPCA.

The MPCA has indicated that this public notice serves as its public notice of the application for Section 401 water quality certification under Minnesota Rules Part 7001. The MPCA has also indicated that the Section 401 process shall begin to commence upon the issuance date of this public notice unless the MPCA notifies both the St. Paul District and the permit applicant to the contrary, in writing, before the expiration date of this public notice.

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Any comments relative to MPCA's Section 401 Certification for the activity proposed in this public notice may be sent to:

Minnesota Pollution Control Agency, Resource Management and Assistance Division,
Attention: 401 Certification, 520 Lafayette Road North, St. Paul, Minnesota 55155-4194.

7. HISTORICAL/ARCHAEOLOGICAL.

This public notice is being sent to the National Park Service and the State Archaeologist for their comments. The Corps will review information on known cultural resources and/or historic properties within and adjacent to the project area. The Corps will also consider the potential effects of the project on any properties that have yet to be identified. The results of this review and the Corps' determination of effect will be coordinated with the State Historic Preservation Officer independent of this public notice. Any adverse effects on historic properties will be resolved prior to the Corps authorization, or approval, of the work in connection with this project.

The latest version of the National Register of Historic Places has been consulted and no listed properties (known to be eligible for inclusion, or included in the Register) are located in the project area.

8. PUBLIC HEARING REQUESTS.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, in detail, the reasons for holding a public hearing. A request may be denied if substantive reasons for holding a hearing are not provided or if there is otherwise no valid interest to be served.

9. PUBLIC INTEREST REVIEW.

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

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

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the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Chad Konickson
Chief, Southwest Section

Enclosures

NOTICE TO EDITORS: This public notice is provided as background information and is not a request or contract for publication.

LLP WETLAND RESTORATION CONSTRUCTION PLAN FOR: CR FARMS

STORM DRAINAGE, VEGETATION,
BASE, AND GRADING

INDEX OF SHEETS

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PLOT DATE: 9/13/2013

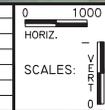
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County Proj. No.		CAD File Name	14838 TITLE
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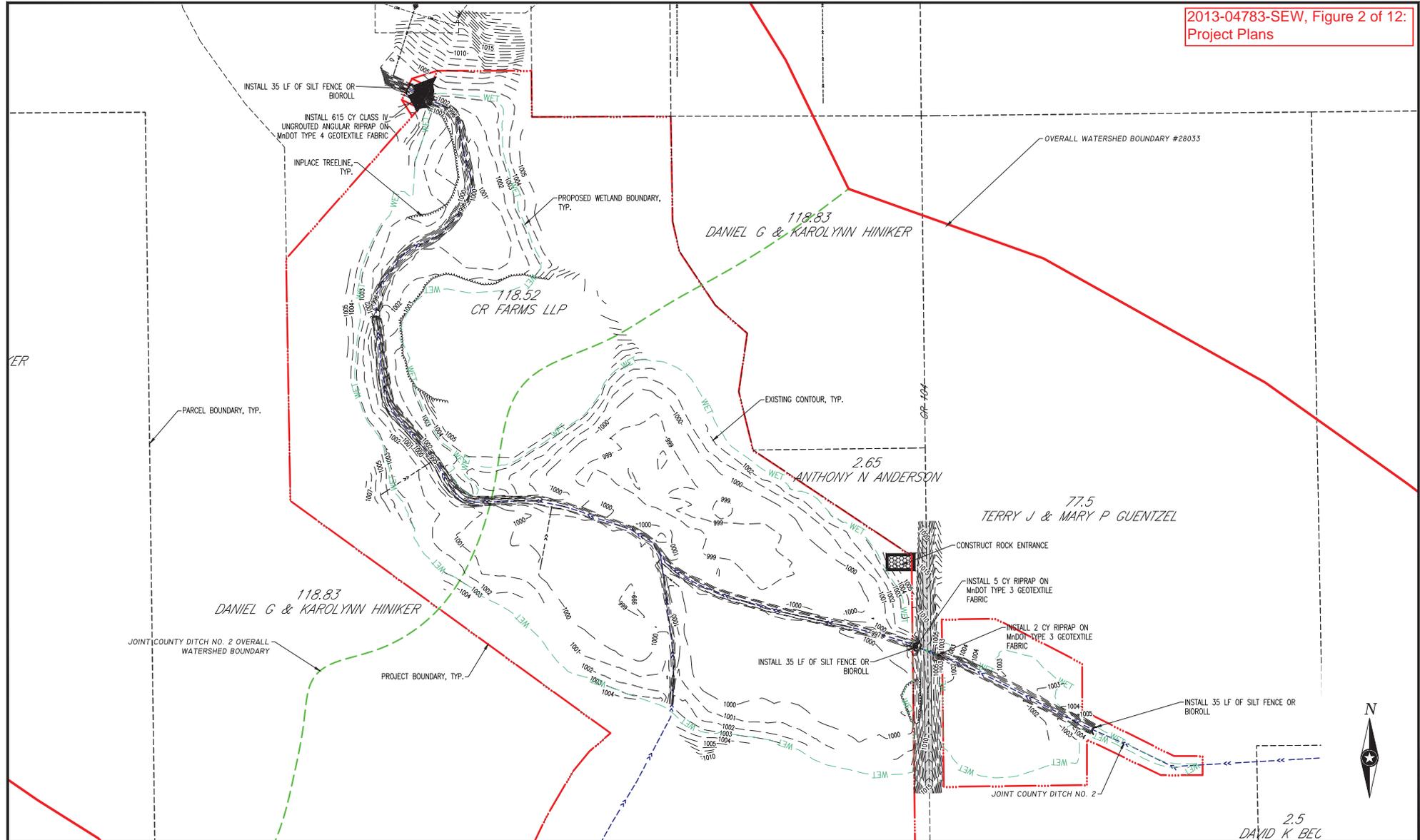
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CHARLES J. BRANDEL
Charles J. Brandel
DATE: 09/03/13 LIC. NO. 43359

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TITLE SHEET
CR FARMS, LLP WETLAND RESTORATION LE SUEUR COUNTY, MINNESOTA
SHEET 1 OF 22 SHEETS



PLANT DATE: 9/16/2013

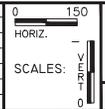
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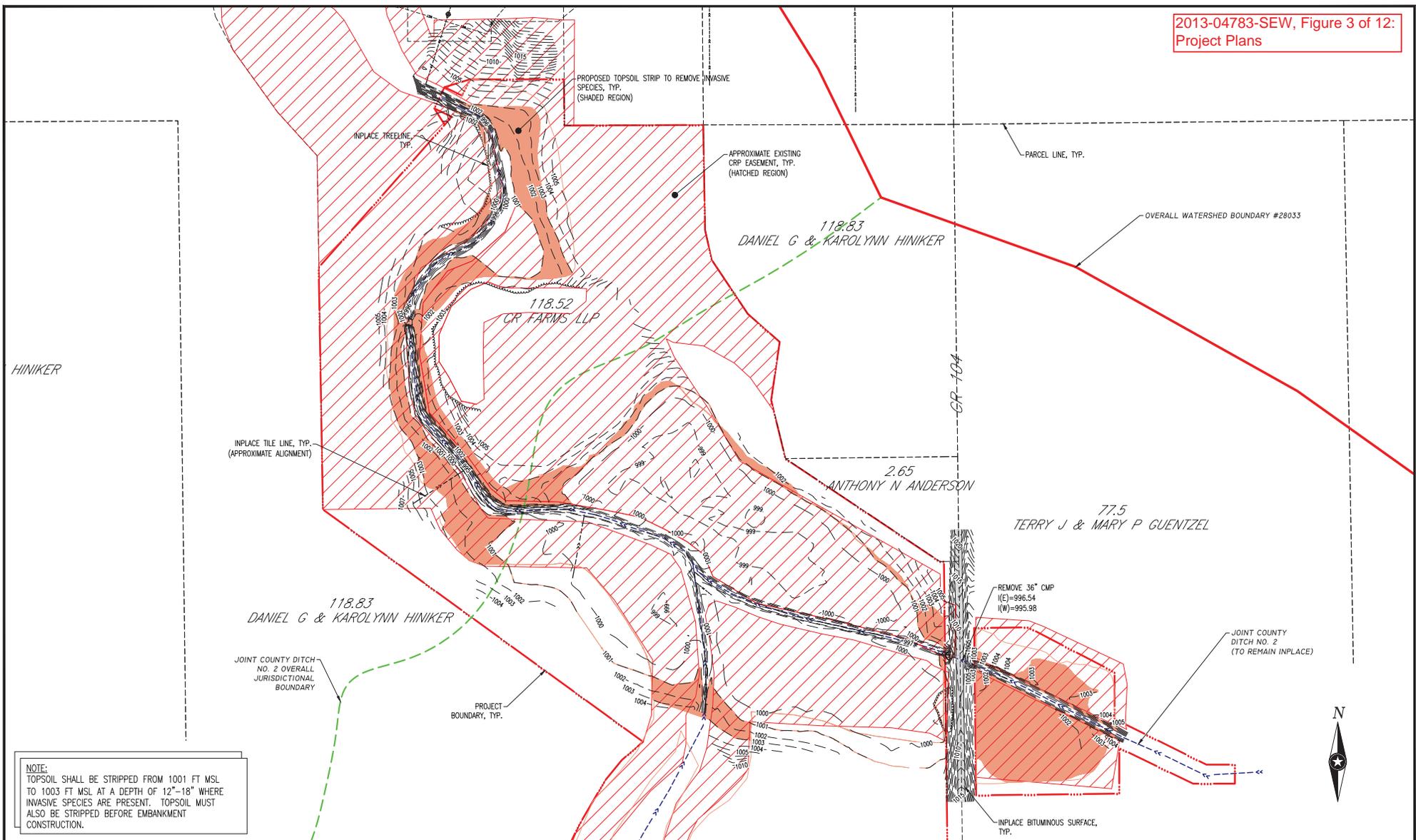
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STORM WATER POLLUTION PREVENTION PLAN (SWPPP) SITE PLAN & GENERAL NOTES
CR FARMS, LLP WETLAND RESTORATION
LE SUEUR COUNTY, MINNESOTA
SHEET 9 OF 22 SHEETS



NOTE:
TOPSOIL SHALL BE STRIPPED FROM 1001 FT MSL TO 1003 FT MSL AT A DEPTH OF 12"-18" WHERE INVASIVE SPECIES ARE PRESENT. TOPSOIL MUST ALSO BE STRIPPED BEFORE EMBANKMENT CONSTRUCTION.

PLOT DATE: 9/13/2013

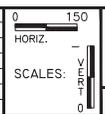
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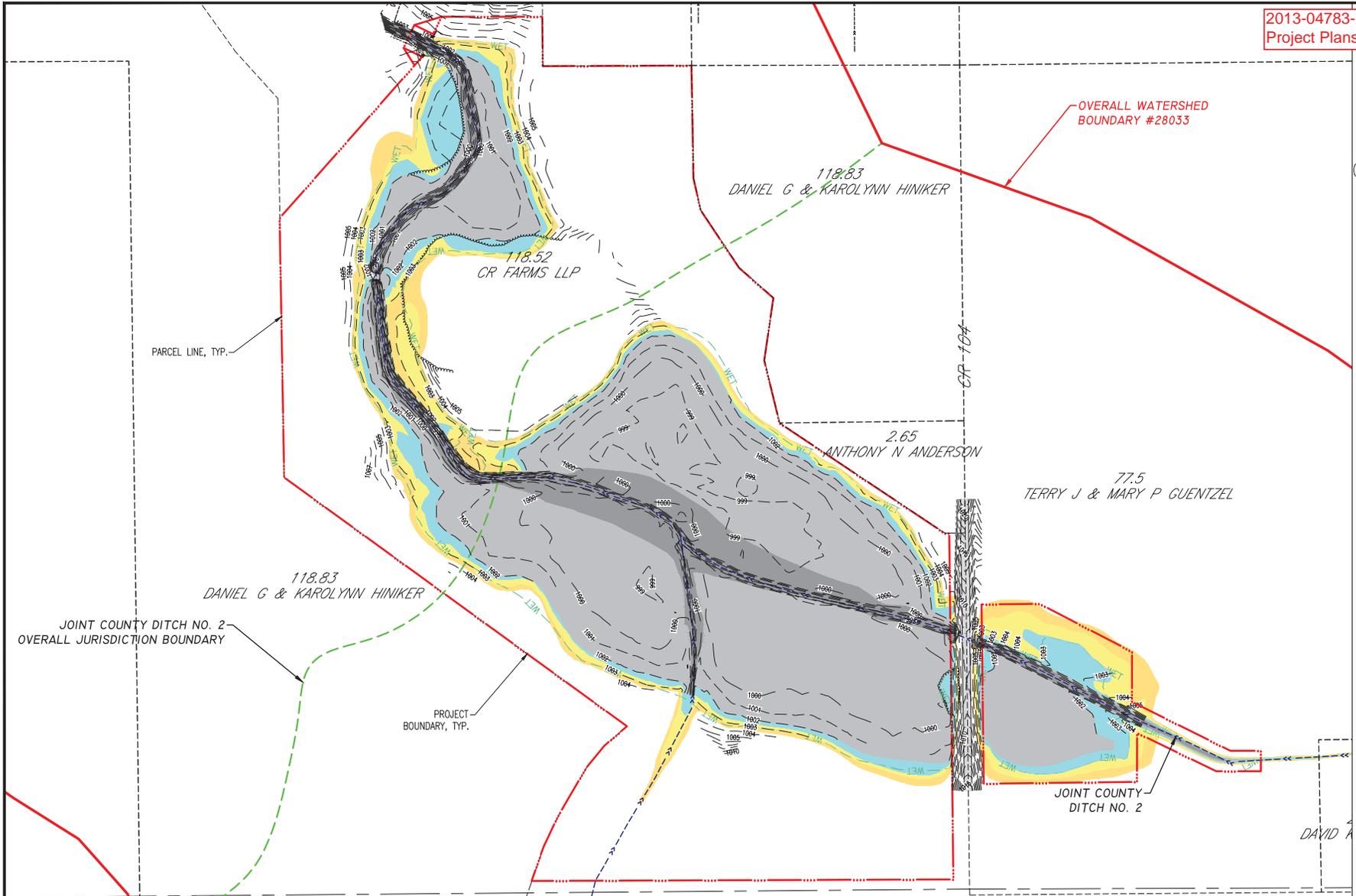


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APPROXIMATE EXISTING
100-YR FLOOD ELEVATION
(BASED ON FIRM 27079C0380 D)

PROPOSED
MAINTAINED WATER LEVEL

PROPOSED
2-YR STORM EVENT

PROPOSED
10-YR STORM EVENT

PROPOSED
100-YR STORM EVENT



PLOT DATE: 9/13/2013

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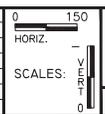


MINNESOTA ARCHITECTS & ENGINEERS - PLANNERS
LIMITED LIABILITY CORPORATION
14000 UNIVERSITY AVENUE, SUITE 100
MINNEAPOLIS, MN 55425
TEL: 612.338.1000
WWW.ISGROUP.COM

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STORM EVENT ELEVATIONS	
CR FARMS, LLP WETLAND BANK	
LE SUEUR COUNTY, MINNESOTA	
SHEET 12 OF 22 SHEETS	

SOIL FROM TOPSOIL STRIPPING SHALL BE PLACED INTO OPEN DITCH TO A MAXIMUM ELEVATION OF 1000 MSL.

COMPLETE SITE BALANCE SUMMARY

8,994 CY CUT
8,954 CY FILL

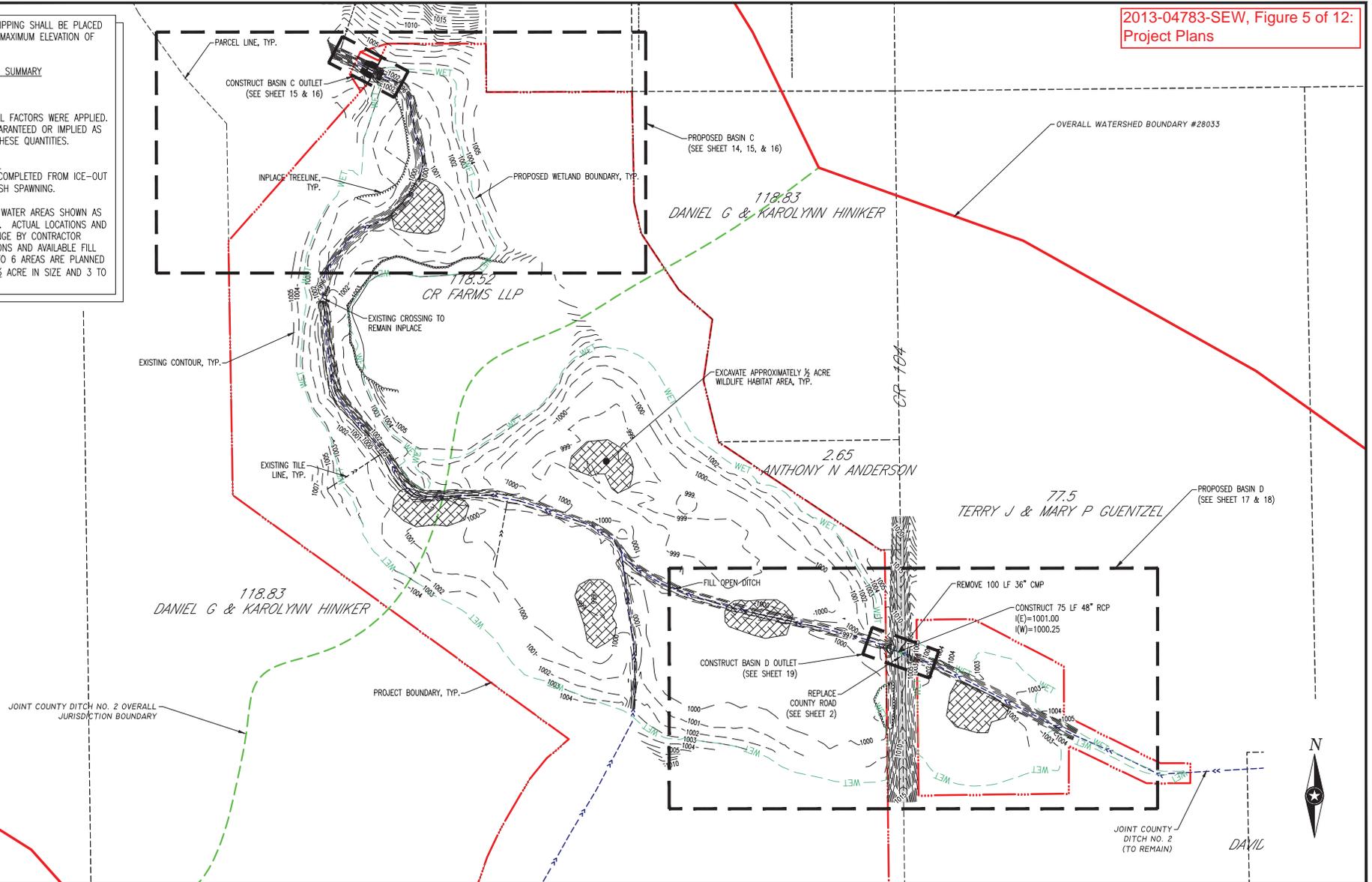
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WILDLIFE HABITAT NOTES:

1.) NO WORK SHALL BE COMPLETED FROM ICE-OUT TO JUNE 15, DURING FISH SPAWNING.

2.) CONCEPTUAL DEEPER WATER AREAS SHOWN AS APPROXIMATE LOCATIONS. ACTUAL LOCATIONS AND SIZES SUBJECT TO CHANGE BY CONTRACTOR BASED ON SITE CONDITIONS AND AVAILABLE FILL PLACEMENT AREAS. 4 TO 6 AREAS ARE PLANNED TO BE APPROXIMATELY 1/2 ACRE IN SIZE AND 3 TO 4 FEET DEEP.

IN HINIKER



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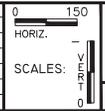
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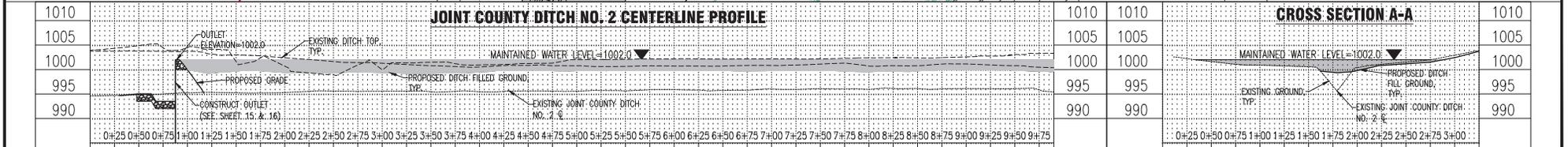
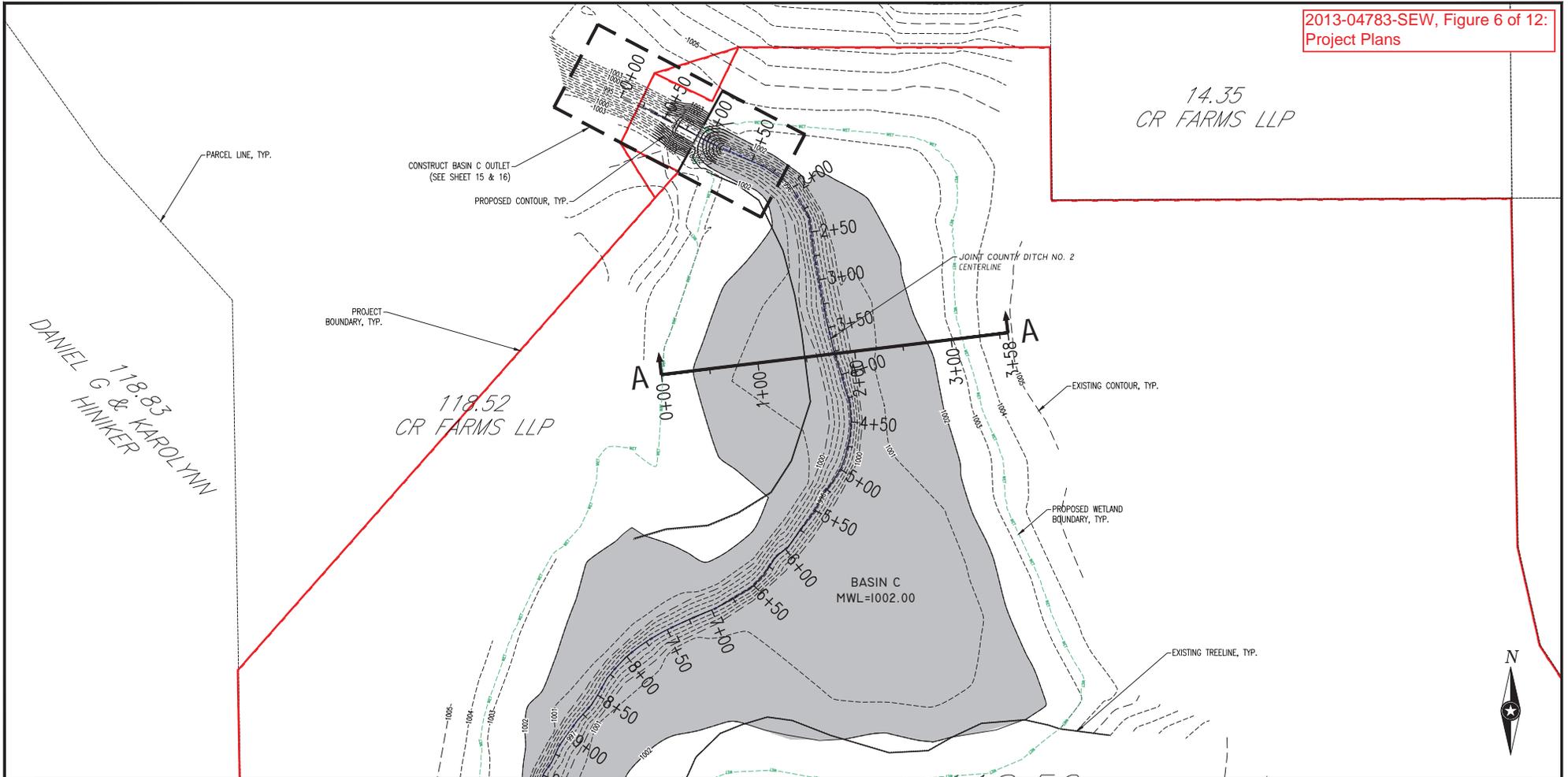
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OVERALL SITE PLAN
CR FARMS, LLP WETLAND RESTORATION
LE SUEUR COUNTY, MINNESOTA
SHEET 13 OF 22 SHEETS





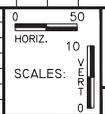
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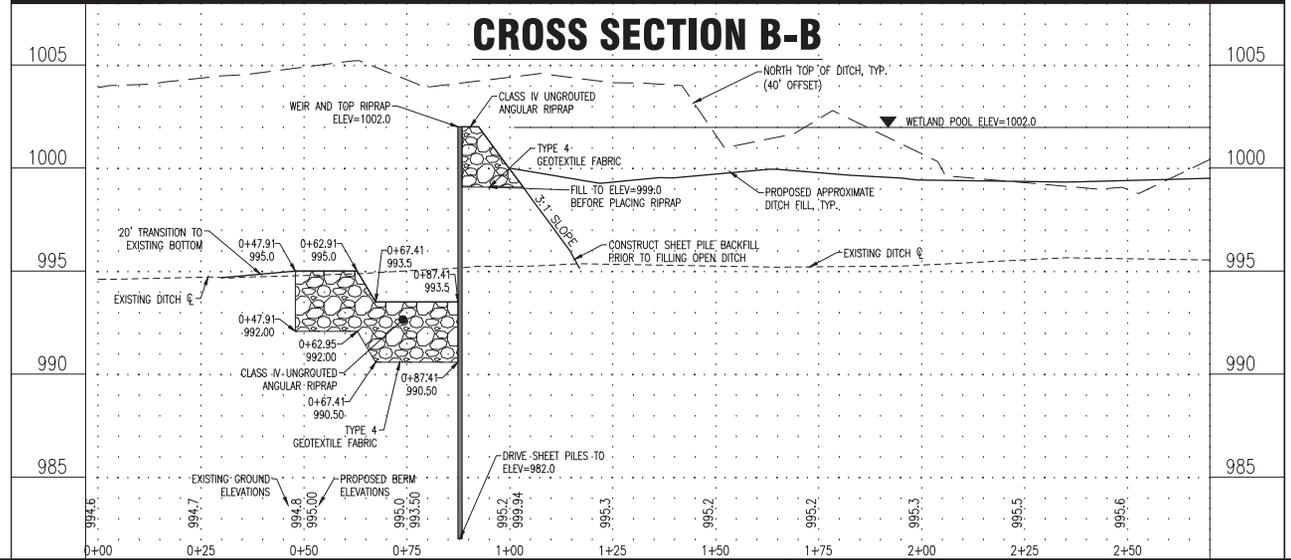
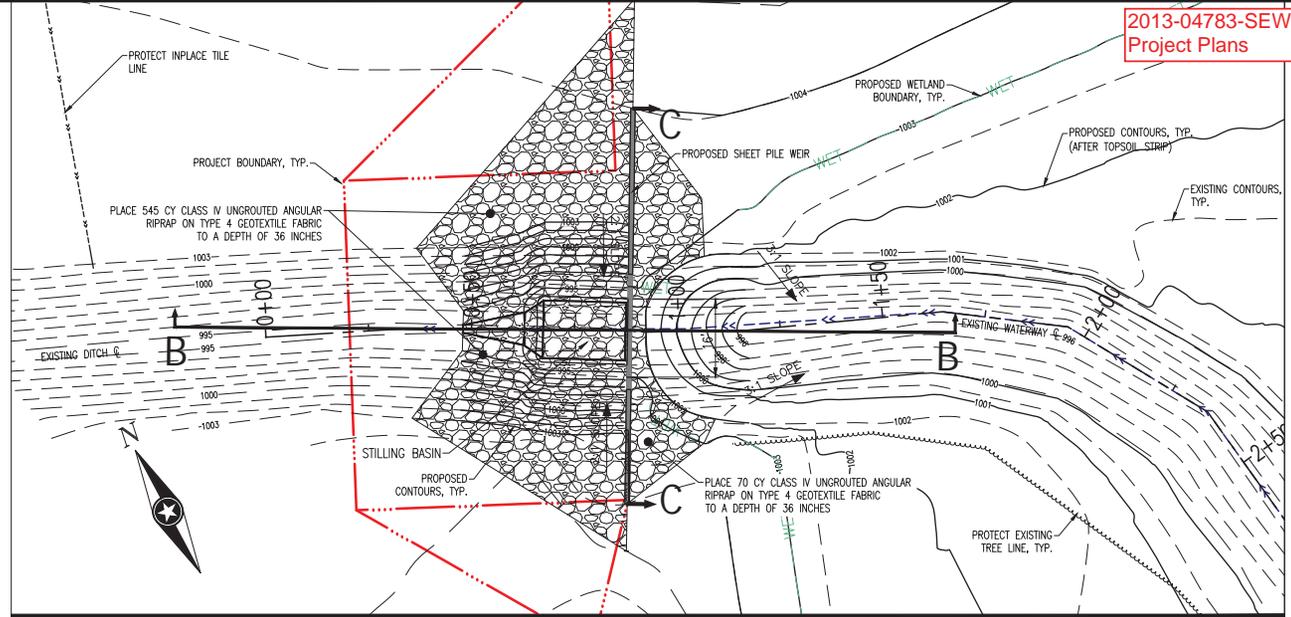
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BASIN C PLAN & PROFILES
 CR FARMS, LLP WETLAND RESTORATION
 LE SUEUR COUNTY, MINNESOTA
 SHEET 14 OF 22 SHEETS

PLOT DATE: 9/13/2013

- NOTES:**
- 1.) PORTION OF SHEET PILE INSTALLATION BERM LYING INSIDE STILLING BASIN DOWNSTREAM SHALL BE REMOVED AFTER SHEET PILE, WALER, AND UPSTREAM RIPRAP ARE PLACED.
 - 2.) ALL FILL PLACED NEAR THE SHEET PILE WEIR SHALL BE COMPACTED TO 98% STANDARD PROCTOR DENSITY.
 - 3.) NO HEAVY EQUIPMENT SHALL BE PERMITTED DIRECTLY UPSTREAM OF STILLING BASIN AFTER CONSTRUCTION TO LIMIT SHEET PILE DEFLECTION.
 - 4.) DUE TO THE POSSIBLE CORROSIVE NATURE OF THE EXISTING SOILS, ALL SHEET PILES SHALL BE COATED WITH COAL TAR OR FUSION BONDED EPOXY PRIOR TO INSTALLATION.
 - 5.) ALL UNSUITABLE SOILS SHALL BE REMOVED PRIOR TO WEIR INSTALLATION.
 - 6.) SHEET PILING SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-690. THE SHEET PILING PROVIDED SHALL MEET THE REQUIRED CROSS-SECTION, SECTION MODULUS, THICKNESS AND STEEL GRADE SHOWN ON THE DRAWINGS.
 - 7.) THE PILING SHALL BE DRIVEN ONLY IN A MANNER SO AS TO INSURE PERFECT INTERLOCKING THROUGHOUT THE ENTIRE LENGTH OF EACH PILE. THE PILES SHALL BE HELD IN PROPER ALIGNMENT DURING DRIVING BY MEANS OF SUITABLE TEMPORARY GUIDE STRUCTURES, WHICH SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR PURPOSE. PILING SHALL BE DRIVEN TO THE FULL DEPTH SHOWN ON THE DRAWINGS UNLESS OTHERWISE APPROVED BY THE ENGINEER.



CROSS SECTION B-B

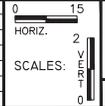
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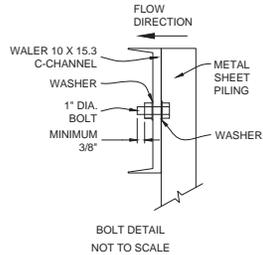
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PLOT DATE: 9/16/2013

CROSS SECTION C-C

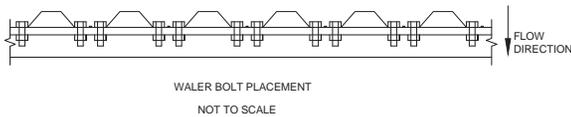
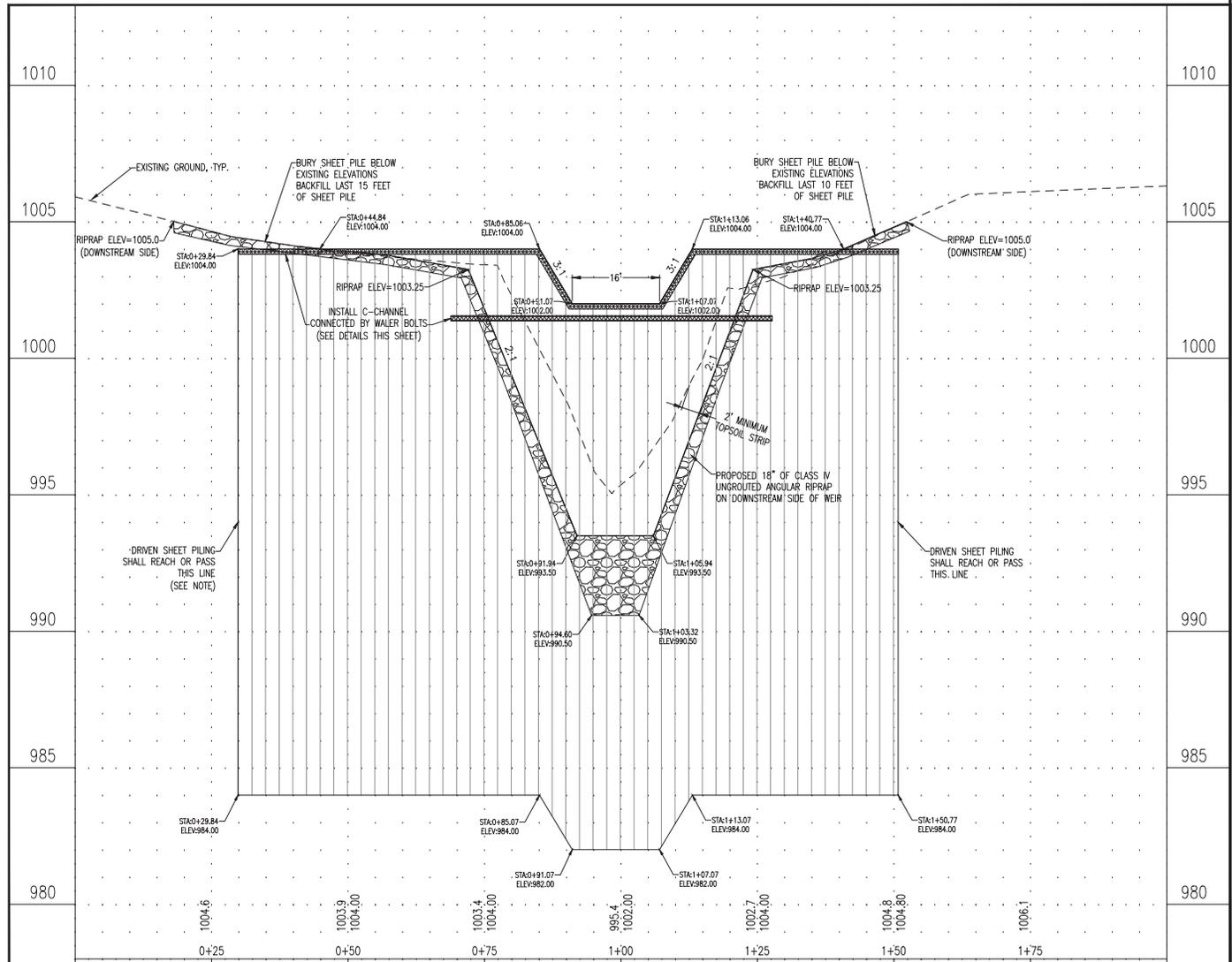
2013-04783-SEW, Figure 8 of 12:
Project Plans



- NOTES:
1. ALL BOLTS WILL BE 1" DIA. W/2 WASHERS. BOLT SHALL EXTEND AT MINIMUM 3/8" BEYOND NUT.
 2. ALL HOLES SHALL BE FIELD DRILLED 1/16" DIA. LARGER THAN THE BOLTS.
 3. THE C-CHANNEL WALER SHALL BE PLACED ON THE DOWNSTREAM SIDE OF THE WEIR.
 4. ANY HOLES LEFT IN SHEET PILE (LIFTING HOOKS ETC.) SHALL BE CLOSED OFF TO NOT ALLOW WATER TO FLOW THROUGH RIPRAP.
 5. AFTER SHEETING AND WALER INSTALLATION ALL SHEETING IS TO BE CUT TO CONFORM WITH 3:1 SLOPE.
 6. ALL SHEET PILING SHALL BE DRIVEN ONLY, REFER TO ASTM A-690 SPECIFICATIONS FOR DETAILS. NO OPEN CUTTING WILL BE ALLOWED.

DESIGN SHEET PILING AREA = 2,120 SF

SHEET PILING REQUIREMENTS
 MINIMUM SECTION MODULUS OF 15.4 CUBIC INCHES PER FOOT OF WALL
 MINIMUM GRADE OF STEEL 25 KSI
 MINIMUM MOMENT OF INERTIA OF 12.94 INCHES⁴ PER FOOT OF WALL
 MINIMUM SHEETING WEB THICKNESS 0.25 IN.
 ALL SHEETING SHALL MEET ASTM A-690.



PLOT DATE: 9/16/2013

Eng. Proj. No. 14838 SAP Proj. No. _____
 City Proj. No. _____ Federal Proj. No. _____
 County Proj. No. _____ CAD File Name 14838_SITE
 CSAH Proj. No. _____

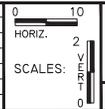


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Charles J. Brandel
 DATE: 09/03/13 LIC. NO. 43359

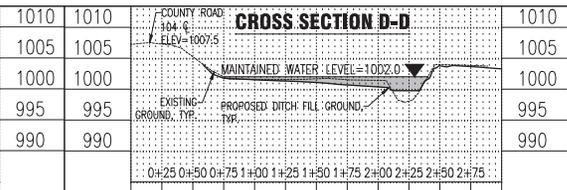
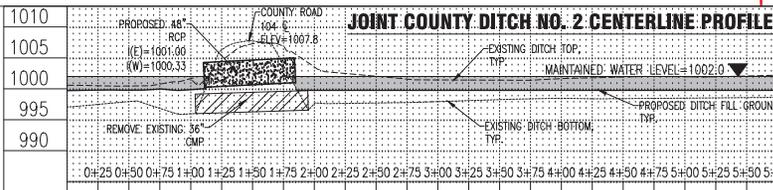
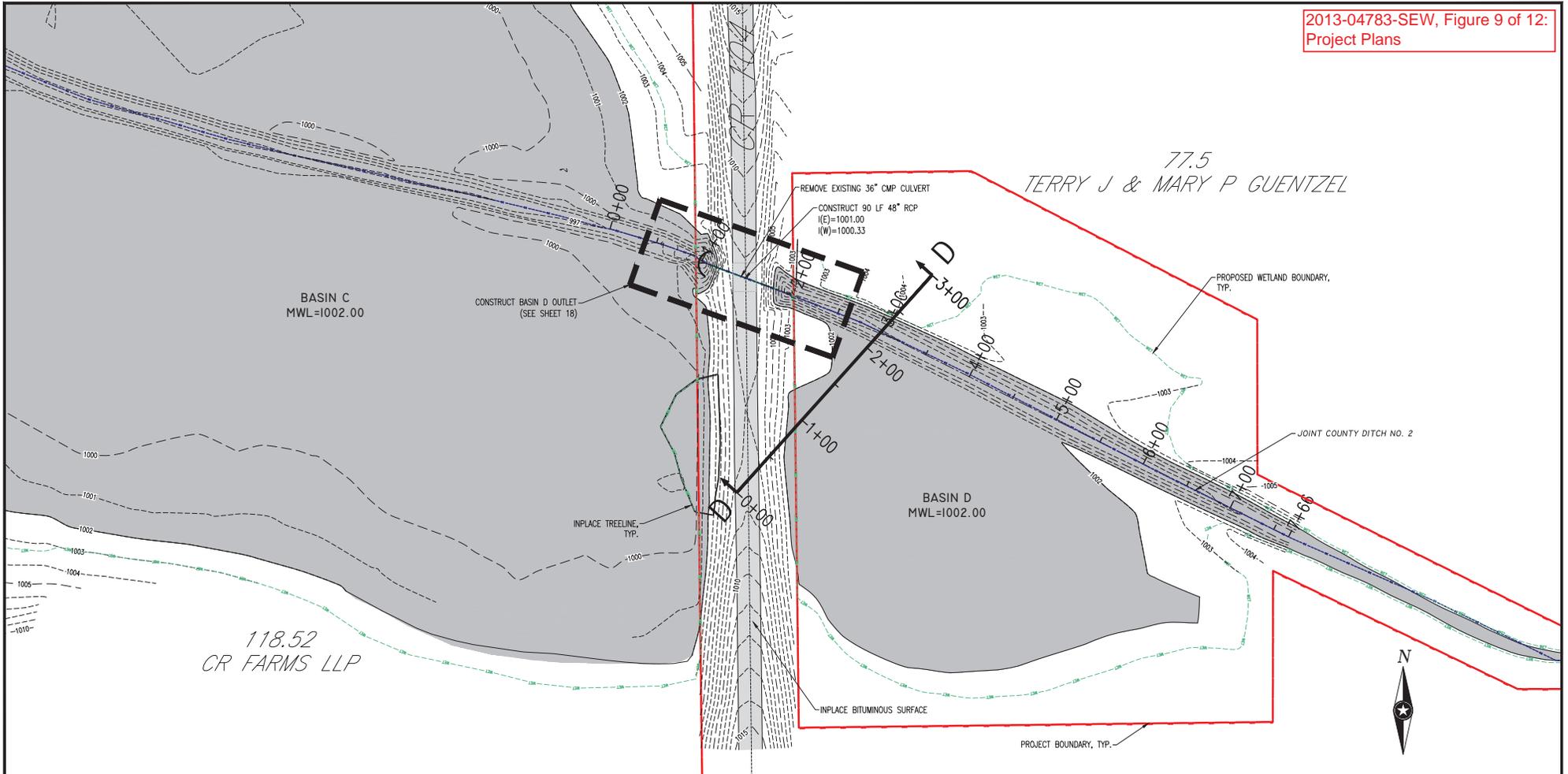
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BASIN C OUTLET PROFILE

CR FARMS, LLP WETLAND RESTORATION
 LE SUEUR COUNTY, MINNESOTA

SHEET 16 OF 22 SHEETS



PLOT DATE: 9/13/2013

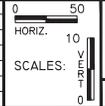
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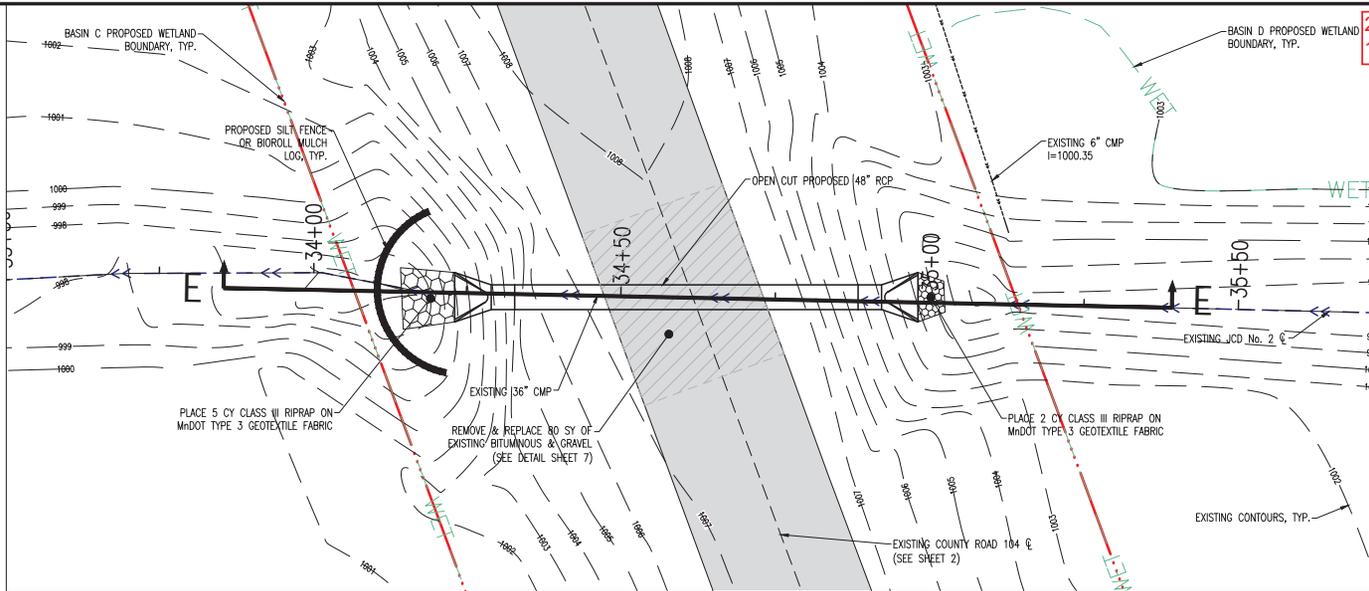


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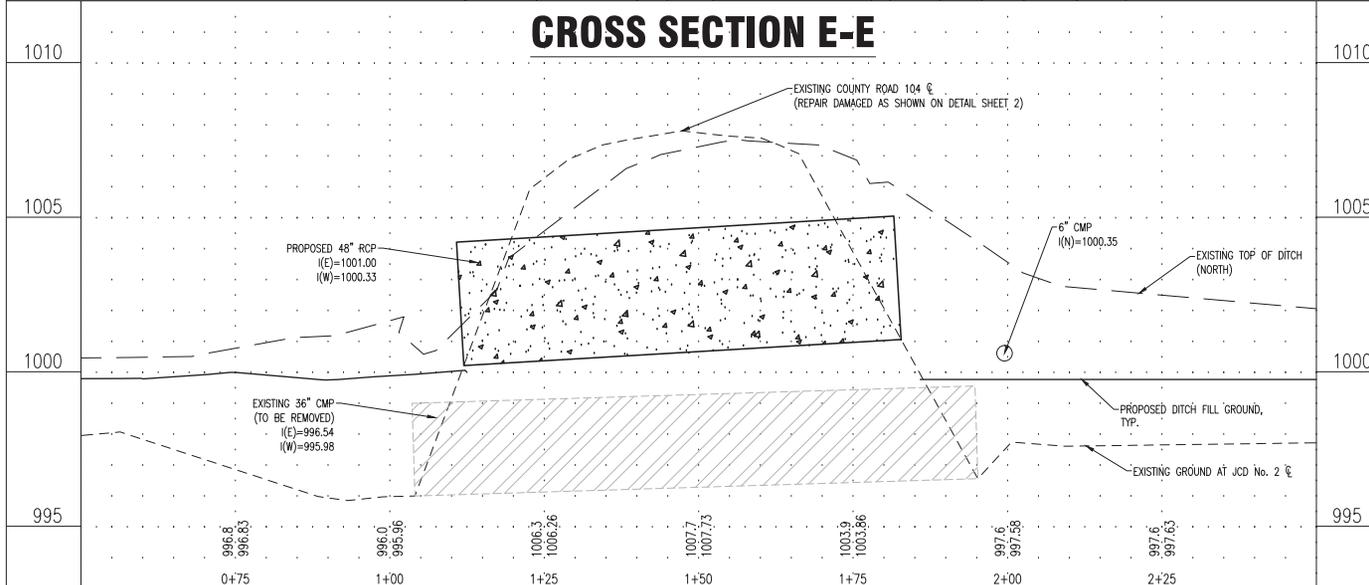
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CROSS SECTION E-E



PLANT DATE: 9/13/2013

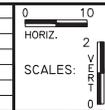
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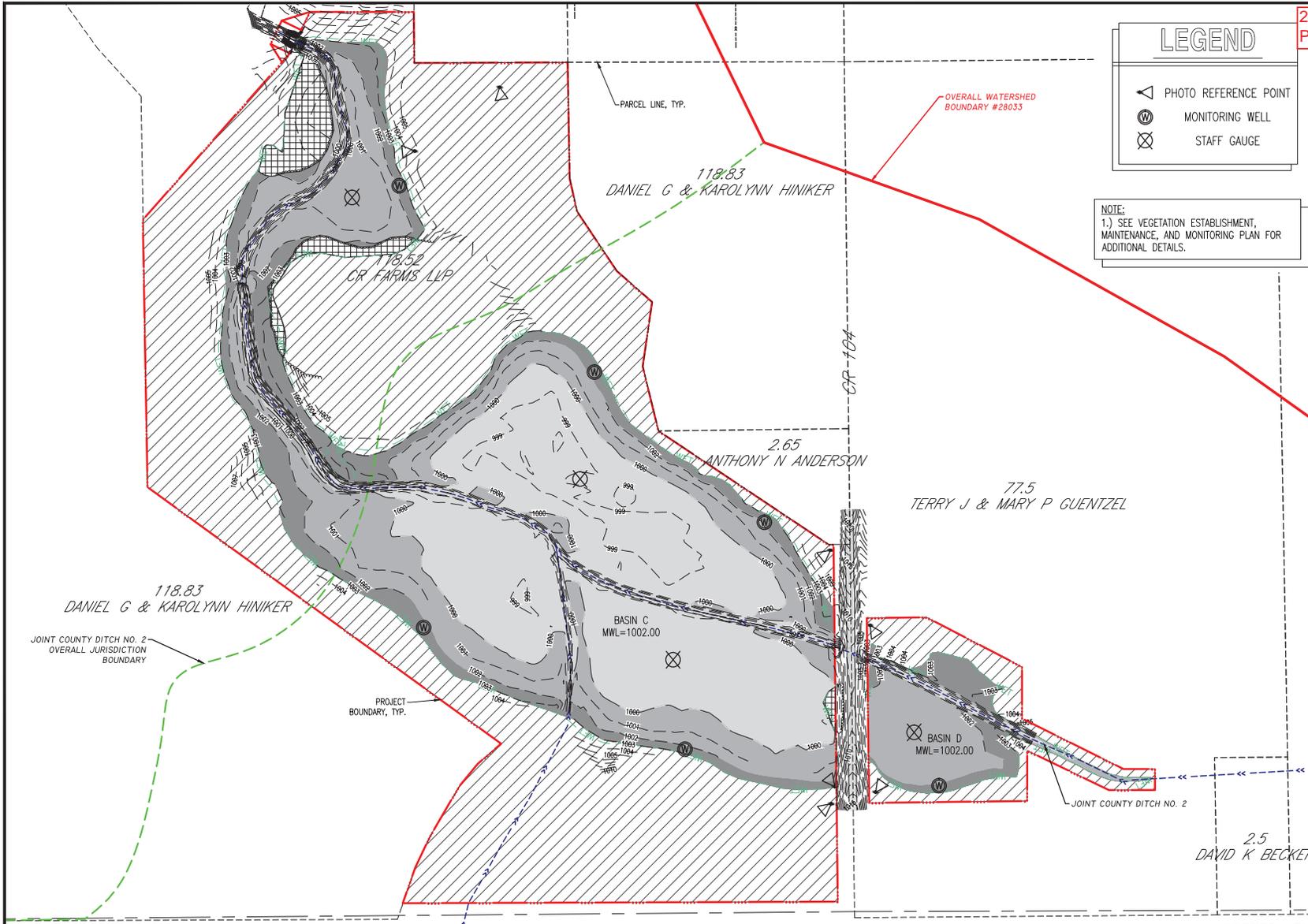
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BASIN D OUTLET PLAN & PROFILE
 CR FARMS, LLP WETLAND RESTORATION
 LE SUEUR COUNTY, MINNESOTA
 SHEET 18 OF 22 SHEETS



LEGEND

- PHOTO REFERENCE POINT
- MONITORING WELL
- STAFF GAUGE

NOTE:
1.) SEE VEGETATION ESTABLISHMENT,
MAINTENANCE, AND MONITORING PLAN FOR
ADDITIONAL DETAILS.

- WETLAND AREA (TYPE 7)
70,806 SF (1.63 AC) BASIN C
- WETLAND AREA (TYPE 4)
857,952 SF (19.70 AC) BASIN C
11978 SF (0.28 AC) BASIN D
- WETLAND AREA (TYPE 3)
552,555 SF (12.69 AC) BASIN C
102,660 SF (2.36 AC) BASIN D
- WETLAND AREA (TYPE 2)
261,796 SF (6.01 AC) BASIN C
52,923 SF (1.22 AC) BASIN D
- UPLAND AREA
1,932,321 SF (44.36 AC) BASIN C
115,712 SF (2.66 AC) BASIN D



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County Proj. No.		CAD File Name	14838_WETLAND_SHEETS
CSAH Proj. No.			

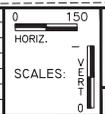


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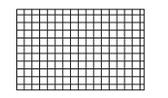
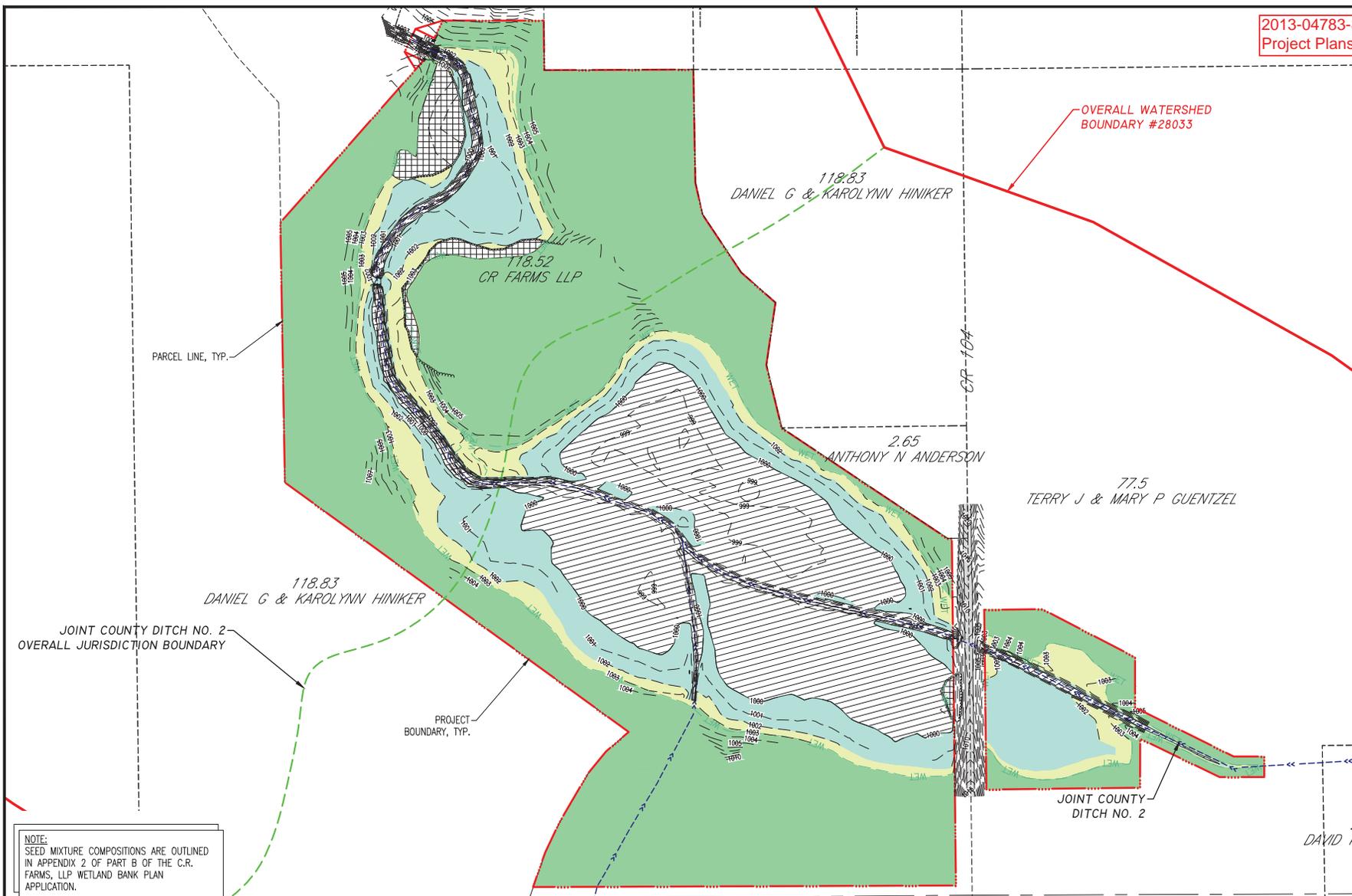


WETLAND MONITORING MAP

CR FARMS, LLP WETLAND BANK
LE SUEUR COUNTY, MINNESOTA

SHEET 20 OF 22 SHEETS

PLOT DATE: 9/13/2013



TREES
(NO PLANTING)



DEEP WATER/TREES
(NO PLANTING)



ZONE 3
655,215 S.F. (15.04 AC)
EMERGENT WETLAND SEED MIX
MN STATE MIX 34-181



ZONE 2
314,719 S.F. (7.23 AC)
WET MEADOW WETLAND SEED MIX
MN STATE MIX 34-271



ZONE 1
2,048,033 S.F. (47.02 AC)
UPLAND SEED MIX
MN STATE MIX 35-541



NOTE:
SEED MIXTURE COMPOSITIONS ARE OUTLINED
IN APPENDIX 2 OF PART B OF THE C.R.
FARMS, LLP WETLAND BANK PLAN
APPLICATION.

PLOT DATE: 9/13/2013

Eng. Proj. No.	14838	SAP Proj. No.	
City Proj. No.		Federal Proj. No.	
County Proj. No.		CAD File Name	14838_WETLAND_SHEETS
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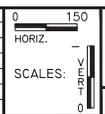


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Charles J. Brandel
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SEEDING/PLANTING ZONE MAP

CR FARMS, LLP WETLAND BANK
LE SUEUR COUNTY, MINNESOTA

SHEET 22 OF 22 SHEETS