



US Army Corps
of Engineers
St Paul District

Public Notice

APPLICANT: Waupaca County
Highway Department

ISSUED: April 11, 2013
EXPIRES: May 13, 2013

REFER TO: MVP-2011-05469-EMN **SECTION:** 404 - Clean Water Act

1. APPLICATION FOR a Department of the Army Permit to discharge fill material into approximately 5.86 acres of wetlands adjacent to Maple Creek, Cedar Creek, and their unnamed tributaries during the reconstruction of an approximately 7.5-mile segment of CTH T (from CTH N to CTH D) for road maintenance and safety purposes.

2. SPECIFIC INFORMATION.

APPLICANT'S ADDRESS: Dean Steingraber, Highway Commissioner
Waupaca County Highway Department
515 East Fulton Street
Waupaca, Wisconsin 54981

AGENT'S ADDRESS: Don Brittnacher
OMNII Associates
Appleton, Wisconsin 54914

PROJECT LOCATION: The project area is located in Sections 8, 9, 16, 17, 21, 22, 26-28, and 34-36, T. 23N., R. 14E., Waupaca County, Wisconsin. The approximate latitude/longitude coordinates near the center of the project area are 44.46298/-88.80451. Overview maps showing the project location have been included in the attachments.

PROJECT DESCRIPTION: The proposed project would reconstruct an approximately 7.5-mile segment of CTH T from CTH N to CTH D to meet current design standards for a rural roadway with a posted speed limit of 55 mph for road maintenance and safety improvement purposes. The proposed work would include widening the existing roadway to accommodate two 12-foot travel lanes with 6-foot shoulders (3 feet paved and 3 feet unpaved), flattening road side slopes to 4:1 in upland areas and 3:1 in wetland areas, and constructing isolated curb/gutter sections through developed areas. In addition, the horizontal and vertical alignment of the existing roadway would be altered to improve sight distance for safety purposes.

EXISTING CONDITIONS: The approximately 7.5-mile segment of CTH T from CTH N to CTH D is designated as a two-lane rural highway with a posted speed limit of 55 mph. The roadway width and side slopes vary along this section, but the highway generally has a 24-foot paved driving surface within the project corridor.

QUANTITY, TYPE, AREA, AND SOURCE OF FILL MATERIAL: All fill material needed for the proposed project would be obtained from a commercial facility and/or adjacent upland borrow sites.

SURROUNDING LAND USE: The surrounding land uses within the project area are predominately agricultural and rural residential with a small urban section near New London. The proposed project

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SUBJECT: Notice of Application for Permit

would include minor strip taking of right-of-way from residential properties and existing cropland during the reconstruction of CTH T within the project corridor.

THE FOLLOWING PRECAUTIONS TO PROTECT WATER QUALITY HAVE BEEN DESCRIBED BY THE APPLICANT: Standard erosion control measures (best management practices) would be implemented to avoid and/or minimize adverse effects to the surrounding wetlands and waterbodies during all construction activities. Erosion control measures that would be implemented within the project corridor are silt fencing, ditch checks, re-vegetation of all disturbed soils, and upland constructed dewatering basins (as needed).

AREA OF IMPACT: Approximately 5.86 acres of wetlands adjacent to Maple Creek, Cedar Creek, and their unnamed tributaries would be permanently impacted by the proposed project. The approximate acreages for the permanent losses for each wetland type are: 1.17 acres of fresh wet meadow, 1.63 acres of wet meadow (degraded), 0.90-acre of scrub-shrub wetlands, and 2.16 acres of wooded swamp. In addition, minor impacts to Maple Creek, Cedar Creek, and their tributaries would occur during the replacement of various existing culverts within the project corridor.

COMPENSATORY MITIGATION: The applicant has proposed to provide compensatory mitigation for all unavoidable wetland impacts (as described above) by providing project-specific (permittee responsible) mitigation at the O'Brien Mitigation Site located in the SE ¼ SE ¼ of Section 8, T. 23N, R. 14E, Waupaca County, Wisconsin. The mitigation plan for the proposed O'Brien Mitigation Site is currently being reviewed by Corps staff and the Wisconsin Department of Natural Resources and proposes to create and restore wet meadow wetlands within the mitigation site. The applicant has proposed to use Appendix C of the WisDOT Mitigation Banking Technical Guidelines to determine applicable mitigation ratios for the proposed wetland impacts. Using the applicable mitigation ratios in Appendix C along with the wetland type proposed for compensatory mitigation, the applicant would need to create and restore approximately 6.47 credits at the O'Brien Mitigation Site to compensate for the proposed 5.86 acres of wetland impacts described above.

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, Stevens Point Field Office, 1314 Contractors Boulevard, Plover, Wisconsin 54467.

Or, IF YOU HAVE QUESTIONS ABOUT THE PROJECT, call Eric Norton at the Stevens Point field office of the Corps, telephone number (715) 345-7911.

To receive Public Notices by e-mail, go to: http://www2.mvp.usace.army.mil/list_server/ and add your information in the New Registration Box.

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

Two Federally-listed species are present in Waupaca County according to the U.S. Fish & Wildlife Service Threatened and Endangered Species Distribution website (for Wisconsin). The two species are the Snuffbox (*Epioblasma triquetra*) and the Karner Blue Butterfly (*Lycaeides melissa samuelis*). Suitable habitat for the Snuffbox are areas of swift current in small to medium-sized creeks and some larger rivers, and suitable habitat for the Karner Blue Butterfly are prairies, oak savanna, and jack pine forests containing wild lupine. No suitable habitat for either species was identified by the applicant or is known to exist within the project area.

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. 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>.

6. STATE SECTION 401 WATER QUALITY CERTIFICATION.

This Public Notice has been sent to the Wisconsin Department of Natural Resources and is considered by the District Engineer to constitute valid notification to that agency for water quality certification.

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.

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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 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.

Jeffrey Olson
Chief, Northeast Section

Enclosure(s): Project Drawings and Maps

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

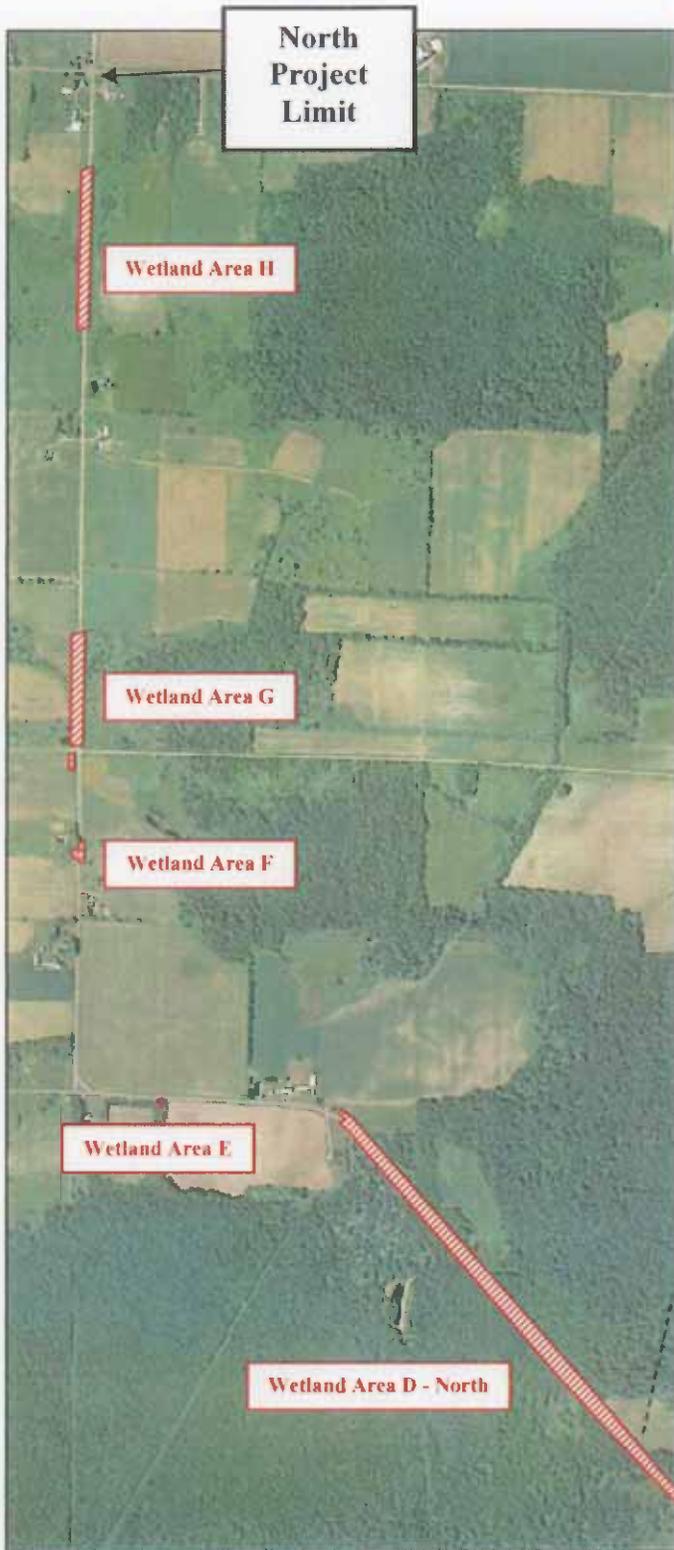


Source: DNR Surface water data viewer, reviewed 3/19/2013.

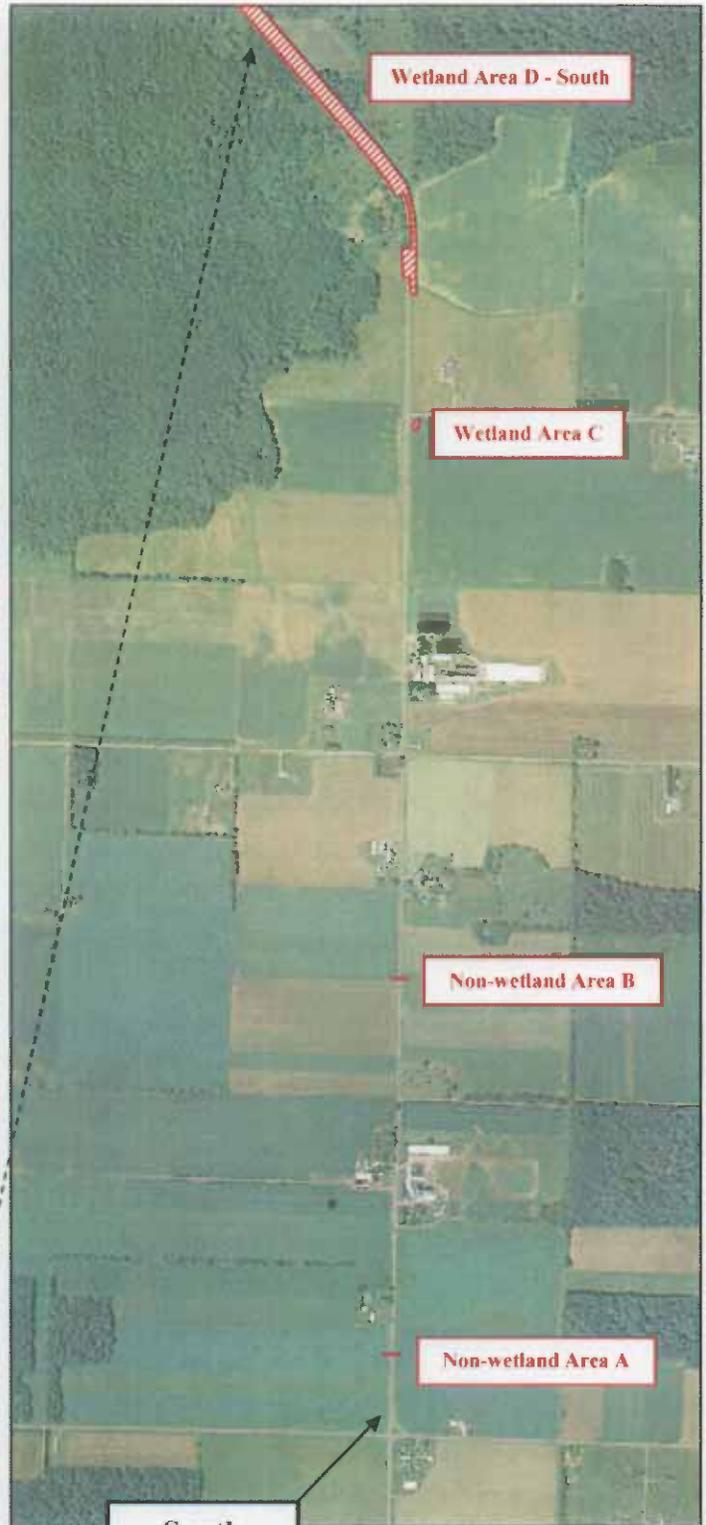


Site Location Map	
CTH T, CTH N to Collier Rd. Town of Lebanon Waupaca County, WI	
	Project Number: E2012A11
	Date: March 19, 2013
One Systems Drive, Appleton, Wisconsin 54914-1654 Phone: (920) 735-6900 Fax: (920) 830-6100	

Aerial View of Project, Showing Wetland Locations



North Portion of Project



South Portion of Project

Topographic Map of Project Area



Potential Wetland Impacts and Credits Required From O' Brien Compensation Site
 CTH T, CTH N - Collier Rd., Reconstruction Project

Wetland Name	a*		Side of CTH T	b			c				d	e	f	g	h
	Wetland Type Lost	Starting Station**		Ending Station	Sq. Ft. Lost (Original)	Sq. Ft. Lost (Reduced)	Acreage Lost (Reduced)	Replacement Wetland Type	Initial Compensation Ratio	Increment (Near Site)	Overall Compensation Ratio	Credits Required (Acres)			
C	M(D)	278+85	279+26	RT	566	566	0.013	M	1.0	0.0	1.0	0.013			
D	M(D)	289+30	290+37	RT	5,481	5,481	0.126	M	1.0	0.0	1.0	0.126			
D	M(D)	290+63	304+65	RT	34,740	32,213	0.740	M	1.0	0.0	1.0	0.740			
D	SS	"	"	"	22,162	19,212	0.441	M	1.0	0.0	1.0	0.441			
D	WS	"	"	"	2,031	2,031	0.047	M	1.0	0.2	1.2	0.056			
D	SS	296+92	304+23	LT	5,150	5,408	0.124	M	1.0	0.0	1.0	0.124			
D	WS	305+27	306+40	RT	2,673	2,117	0.049	M	1.0	0.2	1.2	0.058			
D	SS	305+03	307+33	LT	1,667	1,413	0.032	M	1.0	0.0	1.0	0.032			
D	M(D)	306+64	314+00	RT	7,202	6,871	0.158	M	1.0	0.0	1.0	0.158			
D	WS	"	"	"	4,040	3,876	0.089	M	1.0	0.2	1.2	0.107			
D	WS	307+60	309+50	LT	1,884	1,716	0.039	M	1.0	0.2	1.2	0.047			
D	WS	309+60	316+53	LT	7,142	7,194	0.165	M	1.0	0.2	1.2	0.198			
D	WS	314+20	330+17	RT	24,820	22,749	0.522	M	1.0	0.2	1.2	0.627			
D	WS	316+73	327+20	LT	13,826	13,054	0.300	M	1.0	0.2	1.2	0.360			
D	WS	327+42	335+68	LT	9,280	9,305	0.214	M	1.0	0.2	1.2	0.256			
D	M(D)	330+50	342+12	RT	883	153	0.004	M	1.0	0.0	1.0	0.004			
D	WS	"	"	"	15,761	13,563	0.311	M	1.0	0.2	1.2	0.374			
D	M(D)	335+87	343+54	LT	3,445	5,709	0.131	M	1.0	0.0	1.0	0.131			
D	WS	"	"	"	7,011	7,543	0.173	M	1.0	0.2	1.2	0.208			
F	SS	378+69	379+30	LT	1,904	1,292	0.030	M	1.0	0.0	1.0	0.030			
F	M(D)	"	"	"	500	500	0.011	M	1.0	0.0	1.0	0.011			
F	M(D)	378+44	380+01	RT	3,134	2,265	0.052	M	1.0	0.0	1.0	0.052			
G	M(D)	385+65	386+90	LT	5,601	5,583	0.128	M	1.0	0.0	1.0	0.128			
G	SS	387+47	389+86	LT	2,059	2,076	0.048	M	1.0	0.0	1.0	0.048			
G	SS	387+39	396+52	RT	7,216	6,003	0.138	M	1.0	0.0	1.0	0.138			
G	M(D)	390+20	396+39	LT	1,995	2,097	0.048	M	1.0	0.0	1.0	0.048			
G	SS	"	"	"	4,642	3,748	0.086	M	1.0	0.0	1.0	0.086			
H	M(D)	419+45	432+37	LT	4,898	3,910	0.090	M	1.0	0.0	1.0	0.090			
H	M	"	"	"	12,303	10,821	0.248	M	1.0	0.0	1.0	0.248			
H	M(D)	420+00	432+47	RT	6,632	5,757	0.132	M	1.0	0.0	1.0	0.132			
H	M	"	"	"	12,160	10,841	0.249	M	1.0	0.0	1.0	0.249			
Totals:					232,808	215,067	4.937					5.319			

* Key on other side.
 ** Stationing proceeds northward.

Key:

- a These are the wetland types impacted by the project:
M = wet meadow, M(D) = degraded wet meadow, SS = shrub swamp, WS = wooded swamp
- b Projected wetland impacts, with normal sideslopes.
- c Projected wetland impacts, with steepened sideslopes.
- d If the O' Brien site is used to compensate for project wetland impacts, the losses will be replaced with wet meadow vegetation at that site.
- e The minimum replacement ratio is 1.0 acre of credit from the compensation site for 1.0 acre of project impacts.
- f Increments are added to the replacement ratio to achieve similar functional value to the wetland losses.
Replacing an impacted wetland with a lower quality type of wetland vegetation, or with a wetland in another watershed, requires a higher amount of replacement acreage.
- g The impacted wetland types SS, M, and M(D) will require a 1.0:1.0 replacement ratio at the O' Brien site, while the wetland type WS will require a 1.2:1.0 replacement ratio.
- k 5.319 credits (acres) are projected to be required from the O' Brien site to compensate for the wetland losses on the project.

ORDER OF SHEETS

Section No.	Title
1	Typical Sections and Details
2	Miscellaneous Quantities
3	Right of Way Plat
4	Plan and Profile
5	Standard Detail Drawings
6	Combuair - Earthwork Data
9	Cross Sections



WAUPACA COUNTY HIGHWAY DEPARTMENT

PLAN OF PROPOSED IMPROVEMENT

COLLIER ROAD - CTH D CTH T WAUPACA COUNTY

BEGIN PROJECT
STA. 84+00.00

END PROJECT
STA. 173+67.49



WAUPACA COUNTY
Town of Lebanon
R-14-E

LAYOUT
SCALE 0 1 2 MI

TOTAL NET LENGTH OF CENTERLINE = 3.100 MI

Coordinates on this plan are referenced to the Wisconsin County Coordinate System (WCCS), Waupaca County

DESIGN DESIGNATION

A.A.D.T.	2007
A.A.D.T.	2027
D.H.V.	
D.D.	
T.	
DESIGN SPEED	
ESALS	

CONVENTIONAL SYMBOLS

PLAN	PROFILE
CORPORATE LIMITS	GRADE LINE
PROPERTY LINE	ORIGINAL GROUND
LOT LINE	MARSH OR BCCCL PROFILE (To be noted as such)
LIMITED HIGHWAY EASEMENT	SPECIAL DITCH
EXISTING RIGHT OF WAY	GRADE ELEVATION
PROPOSED OR NEW R/W LINE	CULVERT (Profile View)
SLOPE INTERCEPT	UTILITIES
REFERENCE LINE	ELECTRIC
EXISTING CULVERT	FIBER OPTIC
PROPOSED CULVERT (Box or Pipe)	GAS
COMBUSTIBLE FLUIDS	SANITARY SEWER
MARSH AREA	STORM SEWER
WOODED OR SHRUB AREA	TELEPHONE
	WATER
	UTILITY PRESTAL
	POWER POLE
	TELEPHONE POLE

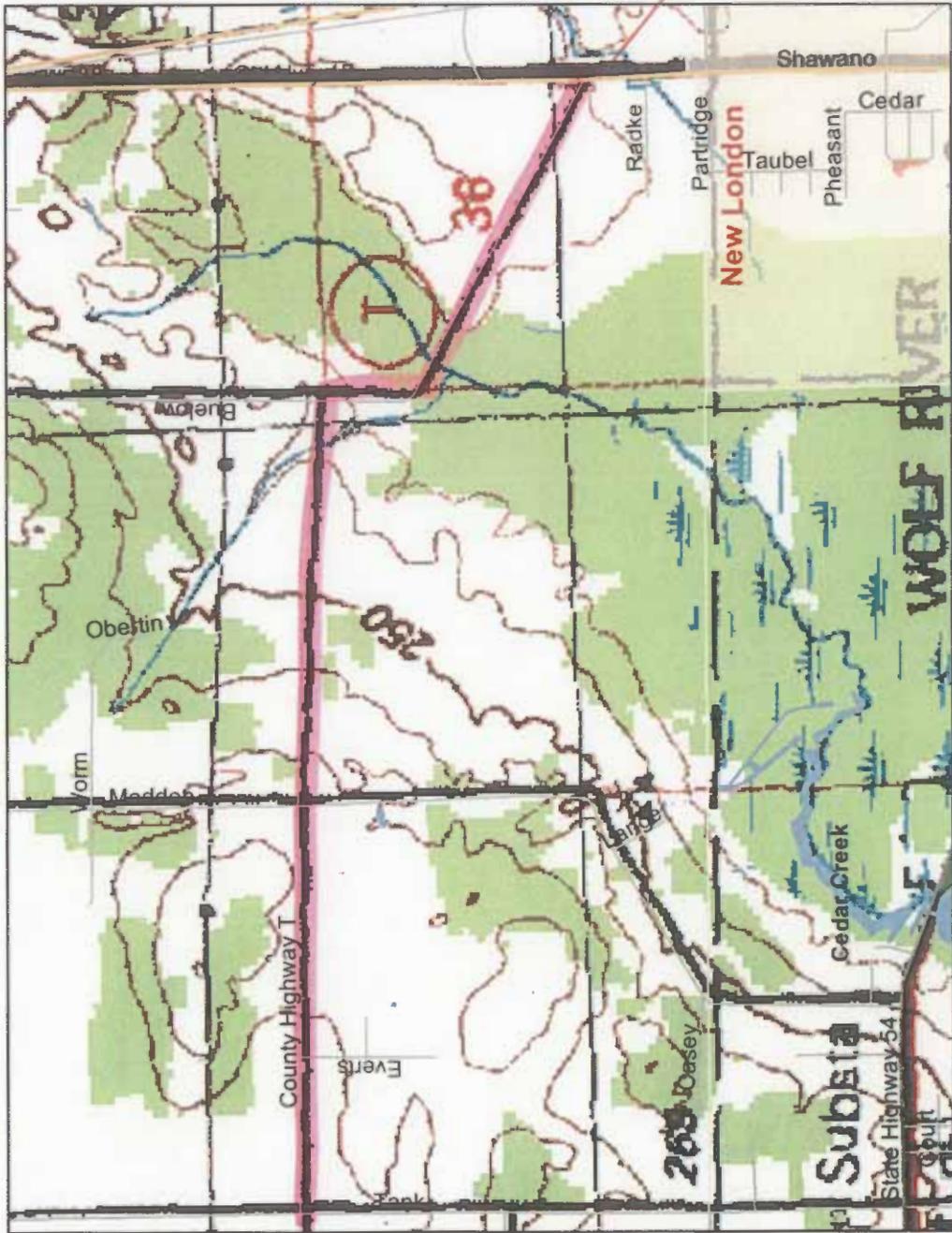
ORIGINAL PLANS PREPARED BY
Robert Lee & Associates, Inc.
1000 W. WAUPACA ST. WAUPACA, WI 54981
ADAPTED FROM THE ORIGINAL SURVEY
CONDUCTED BY THE WAUPACA COUNTY HIGHWAY DEPARTMENT

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ACCEPTED FOR
WAUPACA COUNTY HIGHWAY DEPT

(Date)
(Signature & Title of Official)

Map Created on Sep 19, 2011



Legend

- County Boundaries
- Railroads
- Major Highways
- Interstate
- US Highway
- State Highway
- Local Roads
- Civil Towns
- Civil Town
- 24K Open Water
- Cities and Villages
- Village
- City
- DNR Managed Lands
- Fee

Scale: 1:26,124

PROJECT
LOCATION
PHASE I

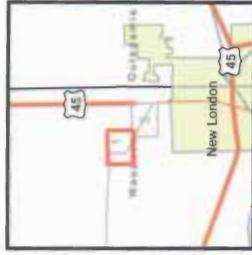


Notes: usgs map

This map is a user generated static output from an internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

Appendix F
Site Survey

Waupaca County Highway T
Project No. 12288007
Town of Lebanon,
Waupaca County, Wisconsin



Extent of large view shown in red.

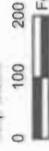
Map 1 of 2

Legend

- Sample Plot
- ▭ Project Area
- ▭ Wetland

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Map Scale



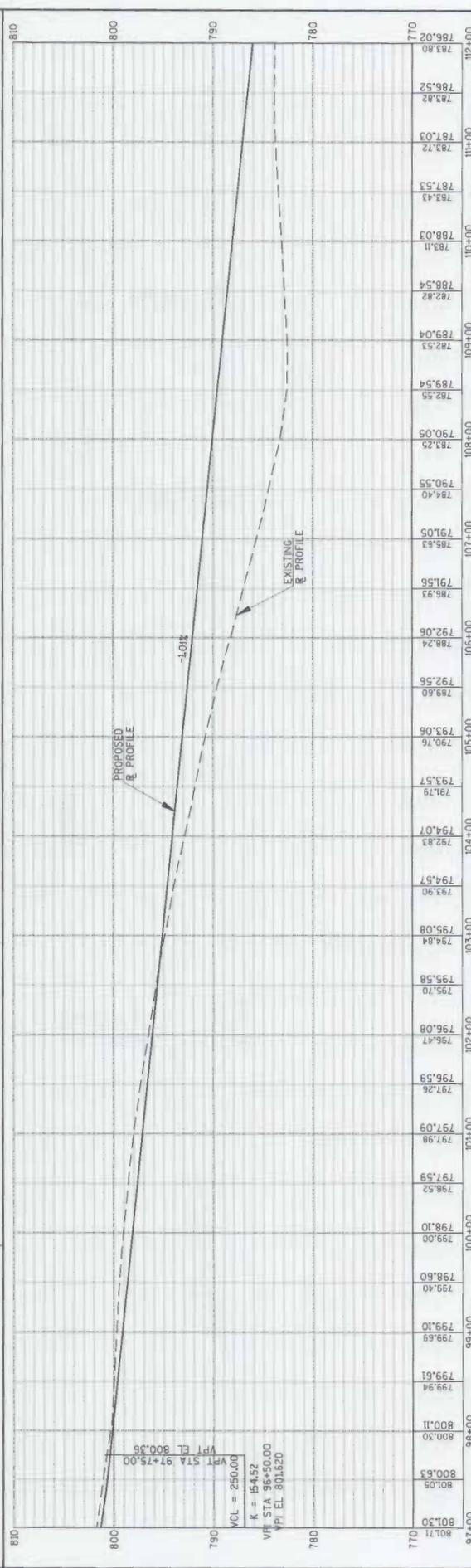
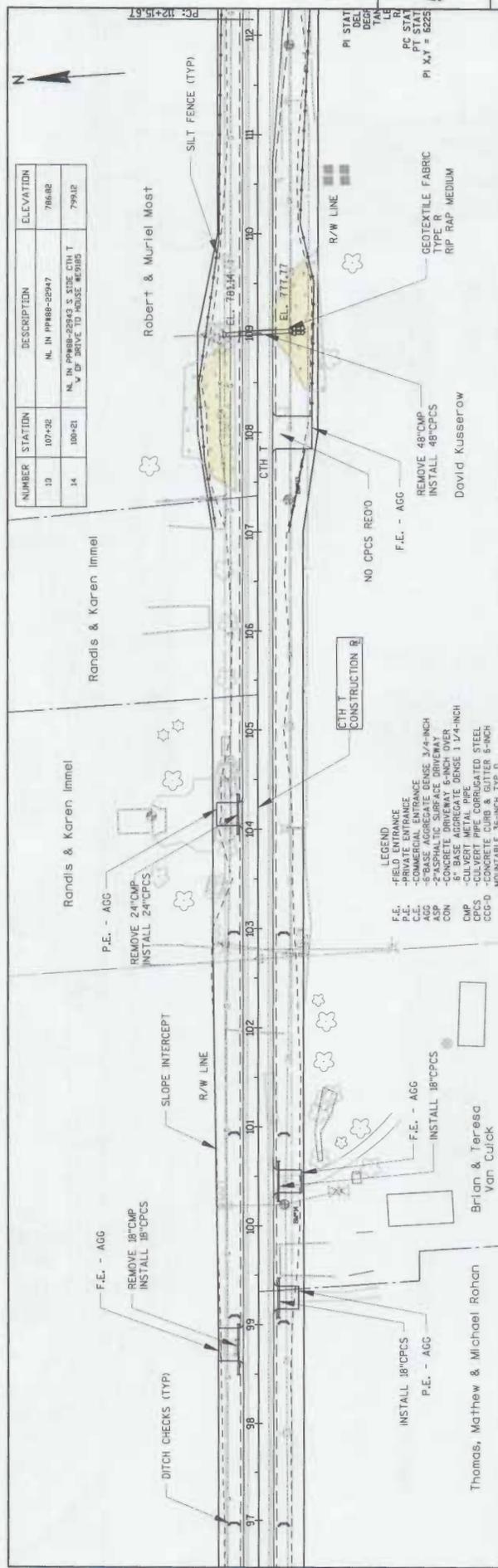
Inset Scale



August 10, 2009



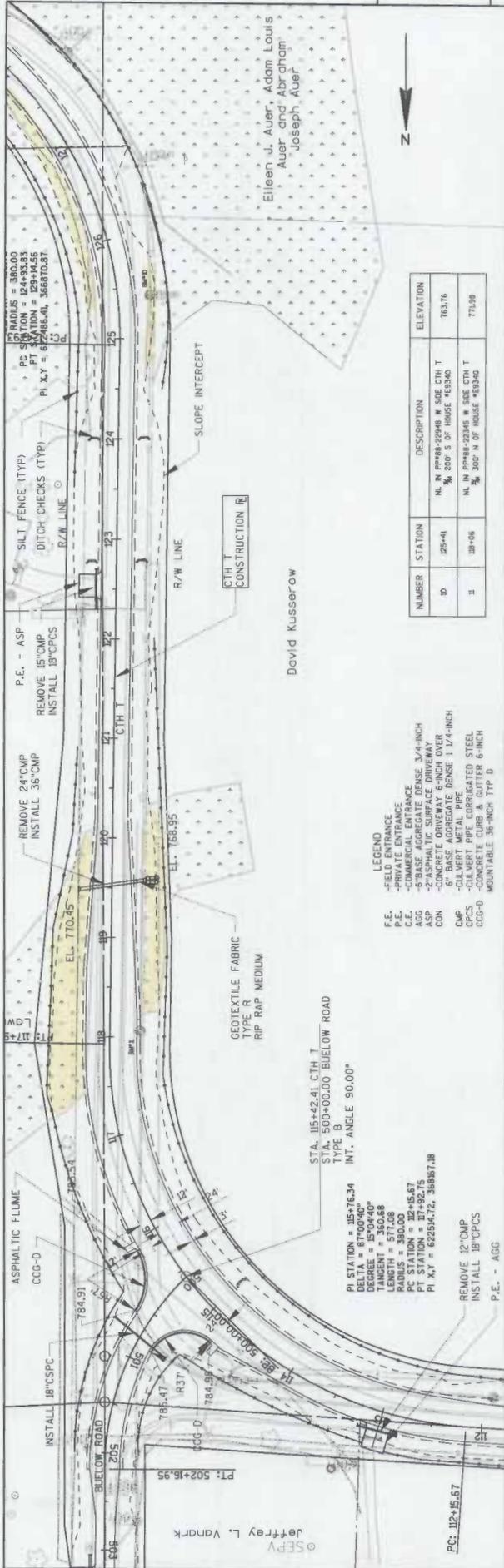
NUMBER	STATION	DESCRIPTION	ELEVATION
13	107+32	NL IN PPH8-22947	786.82
14	108+21	NL IN PPH8-22943 S SIDE CTH T V OF DRIVE TO HOUSE #57895	799.12



PROJECT NO: HWY: CTH T COUNTY: WAUPACA PLAN AND PROFILE SHEET 5.07 E

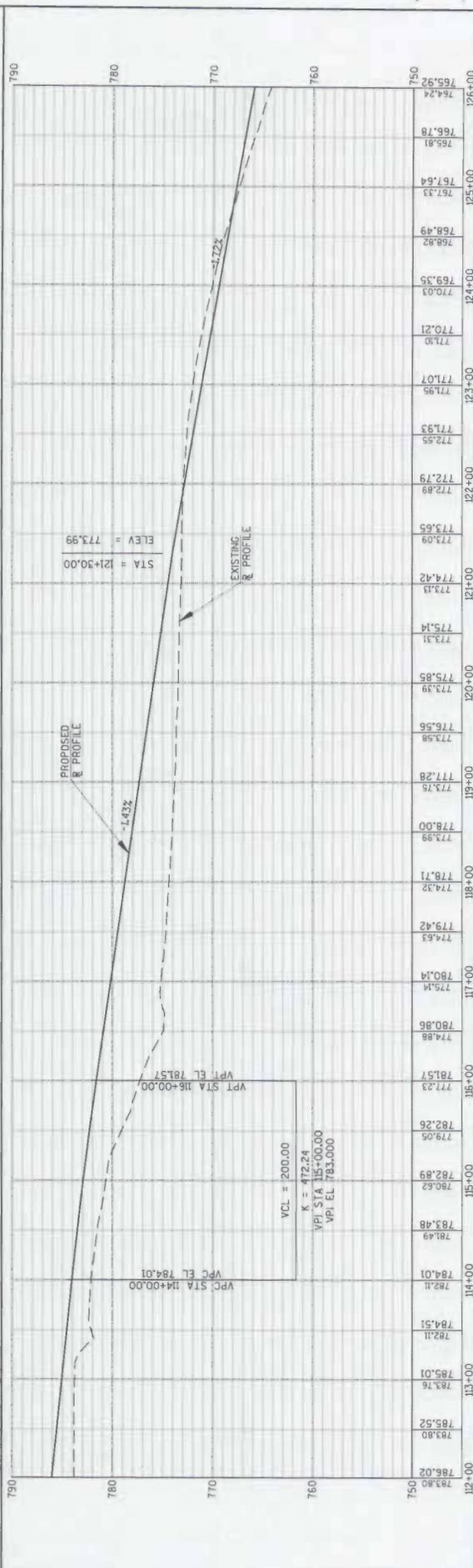
FILE NAME: R:\AZ200\2288\228800\DWG\228800\DOT\TEMPLATE.DWG PLOT DATE: 1/4/21/2012 12:42 PM PLOT BY: SCOTT M. DEBAKER PLOT NAME: 2011-05469-EMN SHEET 44

2011-05469-EMN
 www.PLOT/CADD/SHEET 44
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NUMBER	STATION	DESCRIPTION	ELEVATION
10	125+41	N.L. IN 1988-1994S W SIDE CTH T % 200 S. OF HOUSE #6340	763.76
11	128+06	N.L. IN 1988-1994S W SIDE CTH T % 200 N. OF HOUSE #5340	771.99

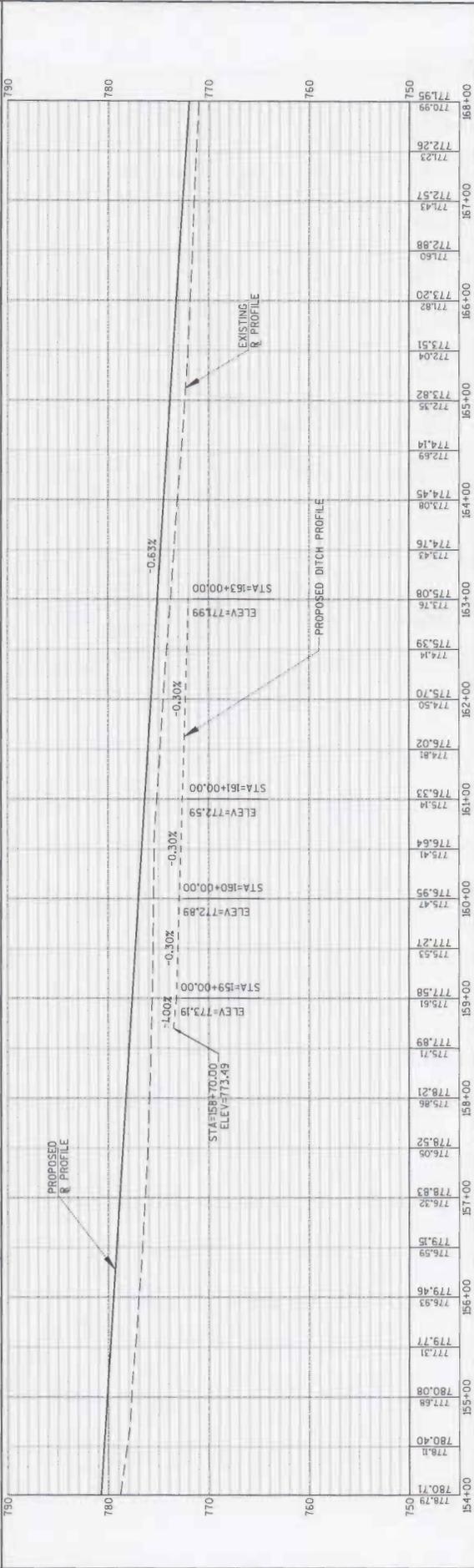
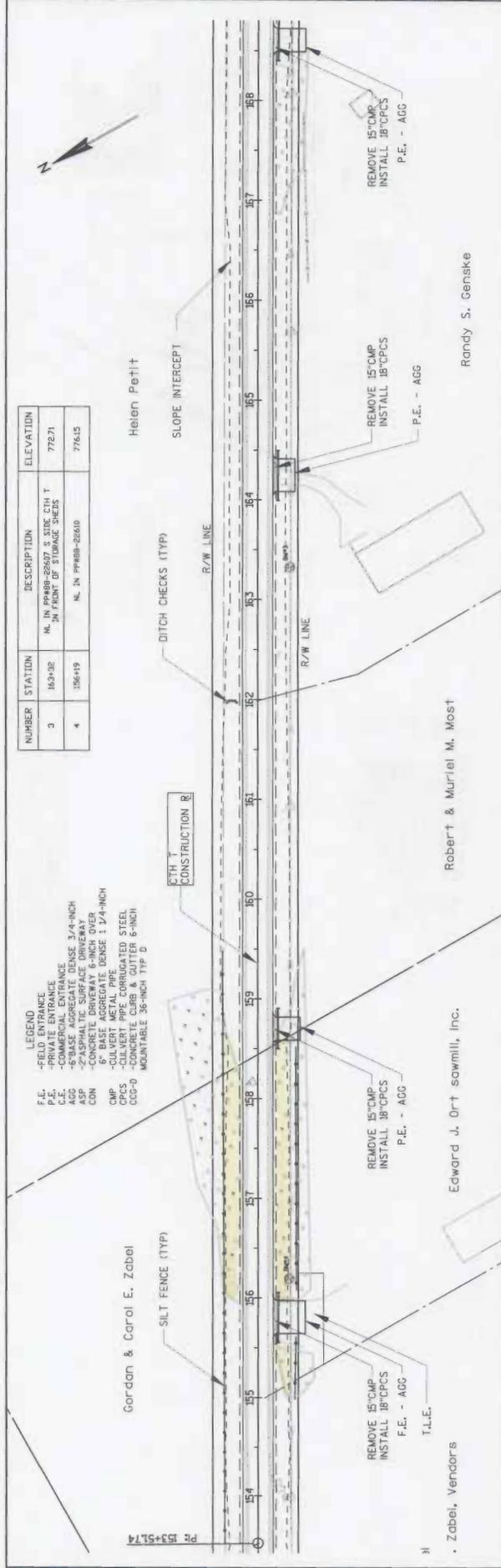
- LEGEND**
- F.E.L. - FIELD ENTRANCE
 - C.E. - COMMERCIAL ENTRANCE
 - AGG. - 6" BASE AGGREGATE DENSE 3/4-INCH
 - ASP. - 2" ASPHALTIC SURFACE DRIVEWAY
 - CON. - 6" BASE AGGREGATE DENSE 1 1/4-INCH
 - CMP. - CULVERT METAL PIPE
 - CCPS - CULVERT PIPE CORRUGATED STEEL
 - CCD-D - CONCRETE CURB & GUTTER 6-INCH MONYABLE 36-INCH TYP. D



STATION	ELEVATION
112+00	753.80
113+00	755.52
114+00	753.76
115+00	755.01
116+00	752.11
117+00	751.4
118+00	750.14
119+00	748.00
120+00	747.28
121+00	745.56
122+00	743.39
123+00	742.89
124+00	742.19
125+00	741.93
126+00	741.07
127+00	740.03
128+00	739.35
129+00	738.82
130+00	738.49
131+00	738.33
132+00	738.18
133+00	738.01
134+00	737.84
135+00	737.69
136+00	737.54
137+00	737.39
138+00	737.24
139+00	737.09
140+00	736.94
141+00	736.79
142+00	736.64
143+00	736.49
144+00	736.34
145+00	736.19
146+00	736.04
147+00	735.89
148+00	735.74
149+00	735.59
150+00	735.44
151+00	735.29
152+00	735.14
153+00	734.99
154+00	734.84
155+00	734.69
156+00	734.54
157+00	734.39
158+00	734.24
159+00	734.09
160+00	733.94
161+00	733.79
162+00	733.64
163+00	733.49
164+00	733.34
165+00	733.19
166+00	733.04
167+00	732.89
168+00	732.74
169+00	732.59
170+00	732.44
171+00	732.29
172+00	732.14
173+00	731.99
174+00	731.84
175+00	731.69
176+00	731.54
177+00	731.39
178+00	731.24
179+00	731.09
180+00	730.94
181+00	730.79
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248+00	720.74
249+00	720.59
250+00	720.44
251+00	720.29
252+00	720.14
253+00	720.00
254+00	719.85
255+00	719.70
256+00	719.55
257+00	719.40
258+00	719.25
259+00	719.10
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261+00	718.80
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263+00	718.50
264+00	718.35
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271+00	717.30
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273+00	717.00
274+00	716.85
275+00	716.70
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277+00	716.40
278+00	716.25
279+00	716.10
280+00	715.95
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283+00	715.50
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287+00	714.90
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313+00	711.00
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315+00	710.70
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319+00	710.10
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393+00	699.10
394+00	698.95
395+00	698.80
396+00	698.65
397+00	698.50
398+00	698.35
399+00	698.20
400+00	698.05

NUMBER	STATION	DESCRIPTION	ELEVATION
3	153+32	N. IN PPR88-25407 3' SIDE CTH T IN FRONT OF 5' WIDE SLEDS	772.71
4	156+19	N. IN PPR88-26610	776.15

- LEGEND**
- F.E. - FIELD ENTRANCE
 - P.E. - PRIVATE ENTRANCE
 - C.E. - COMMERCIAL ENTRANCE
 - AGG - 5" BASE AGGREGATE DENSE 1 1/4-INCH
 - CON - CONCRETE DRIVEWAY 6-INCH OVER
 - CMP - 6" BASE AGGREGATE DENSE 1 1/4-INCH
 - CCP-D - CULVERT METAL PIPE
 - CCP-S - CONCRETE CURB & GUTTER 6-INCH
 - CCP-D - MOUNTABLE 36-INCH TYP D



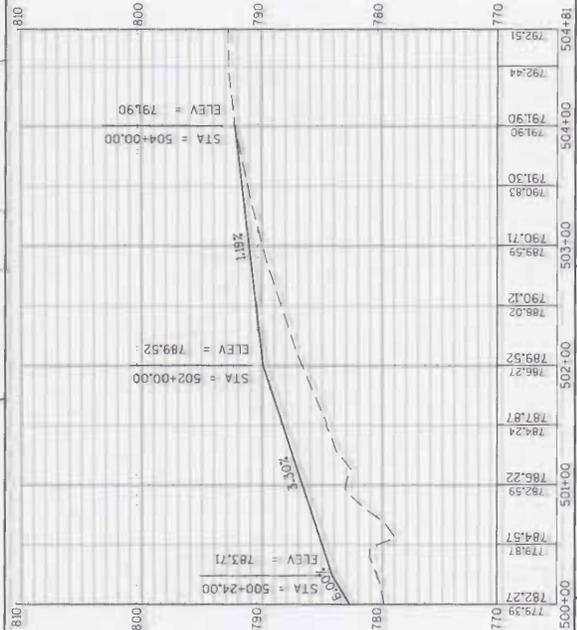
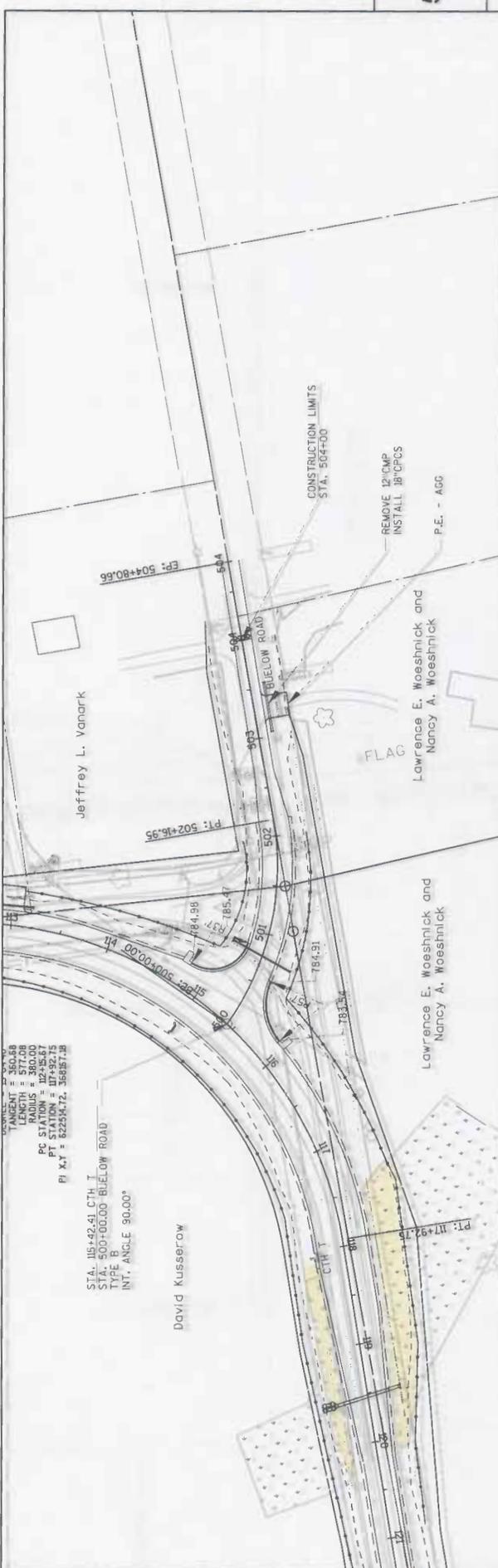
STATION	ELEVATION	STATION	ELEVATION
154+00	780.71	167+00	772.26
154+10	780.40	167+10	771.43
154+20	779.68	167+20	770.99
154+30	779.31	167+30	770.57
154+40	779.15	167+40	770.23
154+50	779.46	167+50	770.04
154+60	779.53	167+60	770.04
154+70	779.77	167+70	770.04
154+80	779.46	167+80	770.04
154+90	779.15	167+90	770.04
155+00	778.93	168+00	770.04
155+10	778.32		
155+20	778.05		
155+30	778.52		
155+40	778.21		
155+50	777.99		
155+60	777.89		
155+70	777.58		
155+80	777.27		
155+90	776.95		
156+00	776.64		
156+10	776.33		
156+20	776.02		
156+30	775.70		
156+40	775.39		
156+50	775.08		
156+60	774.76		
156+70	774.45		
156+80	774.14		
156+90	773.82		
157+00	773.51		
157+10	773.20		
157+20	772.88		
157+30	772.57		
157+40	772.26		
157+50	771.95		
157+60	771.64		
157+70	771.33		
157+80	771.02		
157+90	770.71		
158+00	770.40		
158+10	770.09		
158+20	769.78		
158+30	769.47		
158+40	769.16		
158+50	768.85		
158+60	768.54		
158+70	768.23		
158+80	767.92		
158+90	767.61		
159+00	767.30		
159+10	766.99		
159+20	766.68		
159+30	766.37		
159+40	766.06		
159+50	765.75		
159+60	765.44		
159+70	765.13		
159+80	764.82		
159+90	764.51		
160+00	764.20		
160+10	763.89		
160+20	763.58		
160+30	763.27		
160+40	762.96		
160+50	762.65		
160+60	762.34		
160+70	762.03		
160+80	761.72		
160+90	761.41		
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161+10	760.79		
161+20	760.48		
161+30	760.17		
161+40	759.86		
161+50	759.55		
161+60	759.24		
161+70	758.93		
161+80	758.62		
161+90	758.31		
162+00	758.00		
162+10	757.69		
162+20	757.38		
162+30	757.07		
162+40	756.76		
162+50	756.45		
162+60	756.14		
162+70	755.83		
162+80	755.52		
162+90	755.21		
163+00	754.90		
163+10	754.59		
163+20	754.28		
163+30	753.97		
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163+50	753.35		
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163+80	752.42		
163+90	752.11		
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165+40	747.46		
165+50	747.15		
165+60	746.84		
165+70	746.53		
165+80	746.22		
165+90	745.91		
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166+20	744.98		
166+30	744.67		
166+40	744.36		
166+50	744.05		
166+60	743.74		
166+70	743.43		
166+80	743.12		
166+90	742.81		
167+00	742.50		
167+10	742.19		
167+20	741.88		
167+30	741.57		
167+40	741.26		
167+50	740.95		
167+60	740.64		
167+70	740.33		
167+80	740.02		
167+90	739.71		
168+00	739.40		

PROJECT NO: 2288007
 COUNTY: WAUPACA
 HWY: CTH T
 PLAN AND PROFILE
 SHEET 5.11 E
 WISDOT/CADD SHEET 44
 2011-05469-EMN
 Page 8 of 21
 PLOT DATE: 4/11/2012 12:43 PM
 PLOT BY: SCOTT M. DEBAKER
 PLOT NAME: PLOT SCALE: 1" = 100' XREF

TANGENT = 350.68
 LENGTH = 577.08
 RADIUS = 90.00
 PC STA = 492.41
 PT STATION = 47+32.75
 PI X,Y = 82254.72, 358157.18

STA. 115+42.41 CTH T
 STA. 500+00.00 BLUEW ROAD
 TYPE B
 INT. ANGLE 90.00°

David Kusserow



CTH T
 Collier Road - CTH D
 Waupaca County

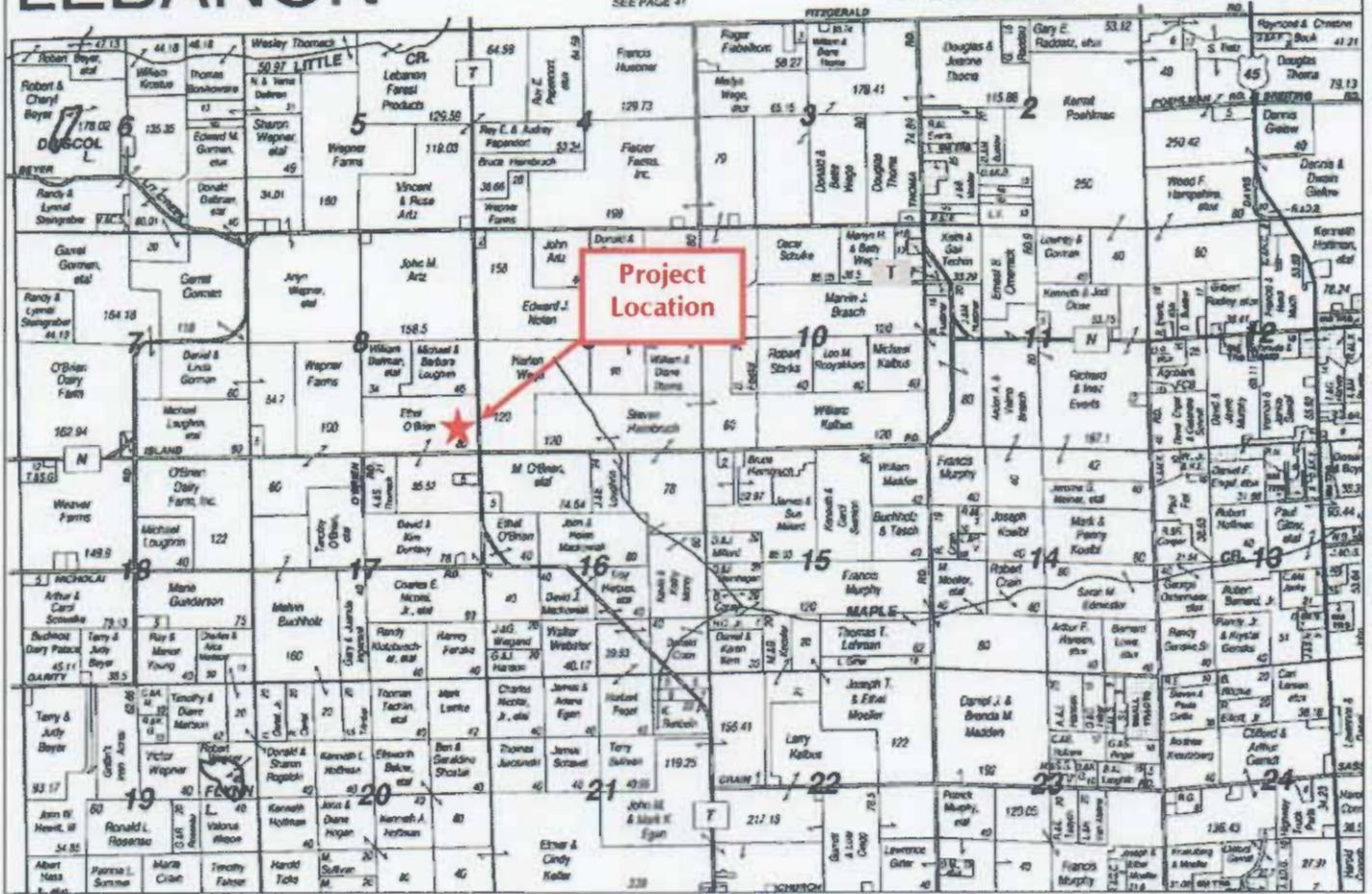
WETLAND IMPACTS

Wetland Number	Station From	Station To	Side of Roadway	Original Area Impacted S.F.	Reduced Amount S.F.	Remaining Area Impacted S.F.	Type of Wetland	Areas of wetland impacted by type				
								E1K S.F.	T3K S.F.	T5K S.F.	E1Kf S.F.	
2	107	109	South	3,300	0	3,300	E1K	3300				
1	108	110	North	3,200	0	3,200	E1K	3200				
3	118	120	East	7,500	0	7,500	E1K	7500				
4	118	120	West	3,800	1,080	2,720	E1K	2720				
6	125	138	North	15,535	7,820	7,715	T3K		7715			
5	125	129	South	4,839	1,530	3,309	E1K	3309				
5	129	133	South	4,838	1,530	3,308	T5K			3308		
8	156	159	North	4,475	800	3,675	E1Kf					3675
7 & 9	156	159	South	5,165	1,240	3,925	E1K	3925				
10	167	168	South	1,800	210	1,590	E1K	1590				
TOTAL				S.F.	54,452	40,242		25,544	7,715	3,308	3,675	
TOTAL				ACRES	1.250	0.924		0.586	0.177	0.076	0.084	

LEBANON

T.23N.-R.14E.

SEE PAGE 41



Site Location on 1995 Plat Map

O'Brien Wetland Compensation Site
 CTH T and Island Rd.
 Town of Lebanon, Waupaca County, WI

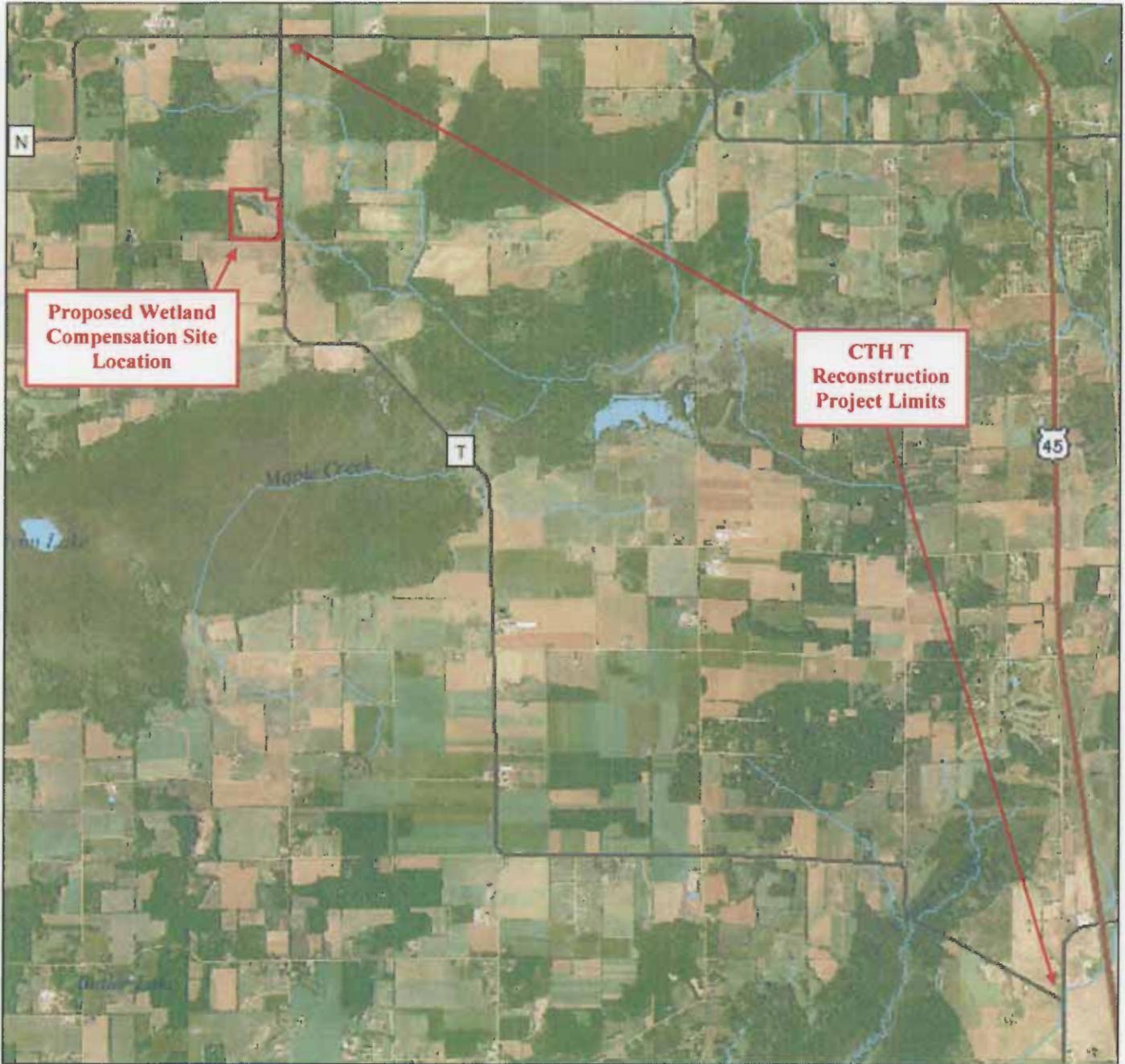


Project Number:
 N2132A12

Date: Jan. 7, 2013

One Systems Drive, Appleton, Wisconsin 54914-1654
 Phone: (920) 735-6900 Fax: (920) 830-6100

Aerial View of CTH T Reconstruction Project Limits
and Proposed Wetland Compensation Site Location



Site Detail Map

