



**US Army Corps
of Engineers**
St Paul District

APPLICANT: Payne and Dolan, Inc.

Public Notice

ISSUED: September 24, 2013

EXPIRES: November 9, 2013

REFER TO: MVP-2011-02334-MHK

SECTION:404 - Clean Water Act

1. APPLICATION FOR PERMIT TO discharge dredged and fill material within 0.04 acre of wetland and 11.58 acres of other waters adjacent to the Fox River in association with the re-establishment of operations and expansion at an abandoned limestone quarry.

2. SPECIFIC INFORMATION.

APPLICANT'S ADDRESS: Mr. James Mertes
Payne and Dolan, Inc.
P.O. Box 1632
Waukesha, Wisconsin 53187

PROJECT LOCATION: The project site is located in the City of Pewaukee in the NE ¼ SW ¼ of Sec. 26 and the W ½ of Sec. 25, T. 7N., R. 19E., Waukesha County, Wisconsin. The approximate UTM coordinates are latitude 43.04291, longitude -88.20395.

DESCRIPTION OF PROJECT: The applicant proposes to re-establish and expand operations at an abandoned limestone quarry. The existing quarry has been abandoned for approximately 30 years and has since developed into an 11.58-acre open water aquatic resource with a narrow fringe of wetland. Re-establishment of operations and expansion of the site would require dewatering of the quarry, stripping of overburden, blasting, construction of access roads, and materials stockpiling and processing areas. Once complete, the quarry would be deepened and enlarged with the extraction area increasing from 11.58 to 13 acres in size. Site reclamation would include grading and filling within the quarry and wetland for the construction of safety shelves and plantings. Activities and facilities to support quarry operations including an asphalt processing plant, utilities, temporary access, and other stockpile areas would also be located at an existing upland site adjacent to the quarry.

QUANTITY, TYPE, AND AREA OF FILL: Activities required to conduct quarry operations would result in the discharge of dredged or fill material during mechanical grading and shaping, access road construction, blasting, and material extraction. The affected resources include 11.58 acres of open water and 0.04 acre of shrub-carr wetland (Wetland 1).

VEGETATION IN AFFECTED AREA: The dominant vegetation in Wetland 1 includes reed canary grass, red osier dogwood, green ash, European buckthorn, and eastern cottonwood. The former quarry is mostly open water but the fringe area is dominated by reed canary grass, narrow-leafed willow, and soft-stem club-rush.

SOURCE OF FILL MATERIAL: Any off-site fill utilized for the project would come from an existing commercial source.

Operations - Regulatory (MVP-2011-02334-MHK)

SUBJECT: Notice of Application for Permit

SURROUNDING LAND USE: The project site consists of woods, open space, a former quarry, and wetlands. In general, the project area is surrounded by woods, a railroad, and the Fox River to the west, Highway JJ to the south, industrial and commercial areas to the east, open space to the northeast, and wetlands and Interstate Highway 94 to the northwest.

ALTERNATIVES CONSIDERED: Under the no-build alternative, the quarry would not be re-opened and the applicant would not be able to expand operations close to the existing plant or meet product demand and business growth. The applicant has stated that no other upland alternatives in the project vicinity were large enough for limestone extraction and/or that are zoned for this purpose. In addition, the applicant states that there are few areas where limestone bedrock is available near enough to the surface to make an alternative site economically viable. The applicant has considered on-site design alternatives which resulted in the avoidance of a 0.89-acre wetland.

DESCRIPTION OF EXCAVATION: The re-establishment of the quarry operation would include the removal of overburden, dewatering, blasting, and limestone removal. Excavators and bulldozers would be used to remove overburden and the material would be stockpiled in an upland area adjacent to the processing plant.

THE FOLLOWING POTENTIALLY TOXIC MATERIALS COULD BE USED AT THE PROJECT SITE: Fuel, hydraulic fluid, lubricants, coolant and other fluids commonly used by construction equipment would be expected to be present for construction of the project.

THE FOLLOWING PRECAUTIONS TO PROTECT WATER QUALITY HAVE BEEN DESCRIBED BY THE APPLICANT: The proposed project would be conducted in compliance with the state's erosion control and stormwater best management practices to prevent sediment from leaving the site during and after construction. The site reclamation plans include the seeding, re-seeding, and use of fertilizer on reclaimed slopes.

MITIGATION: The 11.58-acre open water resource (former quarry) provides storm/floodwater attenuation functions but very limited other functions. The 0.04-acre shrub-carr wetland provides limited wildlife habitat, storm/floodwater attenuation, and water quality function. No mitigation has been proposed to immediately off-set the loss of these limited functions. However, the applicant proposes to use a site reclamation plan to compensate for impacts from the proposed project in the long term. After quarry operations cease, a 20-acre lake would result as part of the reclamation plan. The overburden material would be placed over the areas where minerals were excavated and the side slopes of the lake would be graded to contain a safety shelf. The reclaimed, gradual slopes would be fine graded, seeded and mulched. Plantings would replace the shrub-carr and emergent vegetation currently surrounding the lake.

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

Operations - Regulatory (MVP-2011-02334-MHK)

SUBJECT: Notice of Application for Permit

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, 20711 Watertown Road, Suite F, Waukesha, Wisconsin 53186.

Or, IF YOU HAVE QUESTIONS ABOUT THE PROJECT, call Marie Kopka at the Waukesha office of the Corps, telephone number (651) 290-5733.

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.

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. However, Waukesha County is within the known or historic range of the following Federally-listed candidate (C), threatened (T), and endangered (E) species:

<u>Species</u>	<u>Habitat</u>
Poweshiek skipperling (C)	Native prairie
Eastern prairie fringed orchid (T)	Wet grasslands

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. An approved jurisdictional 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 was completed and posted on the St. Paul District web page on June 24, 2011.

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. A permit will not be granted until the Wisconsin Department of Natural Resources has issued or waived Section 401 certification.

7. HISTORICAL/ARCHAEOLOGICAL.

This public notice is being sent to the National Park Service and the State Archaeologist for their comments. During the Corps' initial review of the project, the Wisconsin Historic Preservation

Operations - Regulatory (MVP-2011-02334-MHK)

SUBJECT: Notice of Application for Permit

Database identified several archaeological sites located adjacent to the project area. A Phase I archaeological survey was completed and no historic properties were identified in the project area. The results of the survey 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.

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.

Operations - Regulatory (MVP-2011-02334-MHK)
SUBJECT: Notice of Application for Permit

Todd Vesperman
Chief, Southeast Section

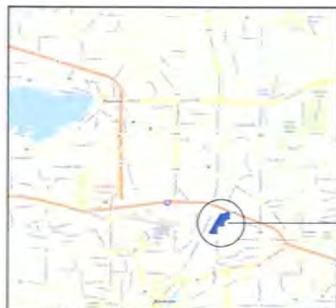
Enclosures:
MVP-2011-02334-MHK Page 1 of 10 through Page 10 of 10

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

DETAILS OF THE
PROPOSED SITE DEVELOPMENT
 FOR
**MINERAL EXTRACTION,
 ASPHALT PLANT OPERATIONS**
 AND
RECLAMATION
 CITY OF PEWAUKEE, WISCONSIN COUNTY



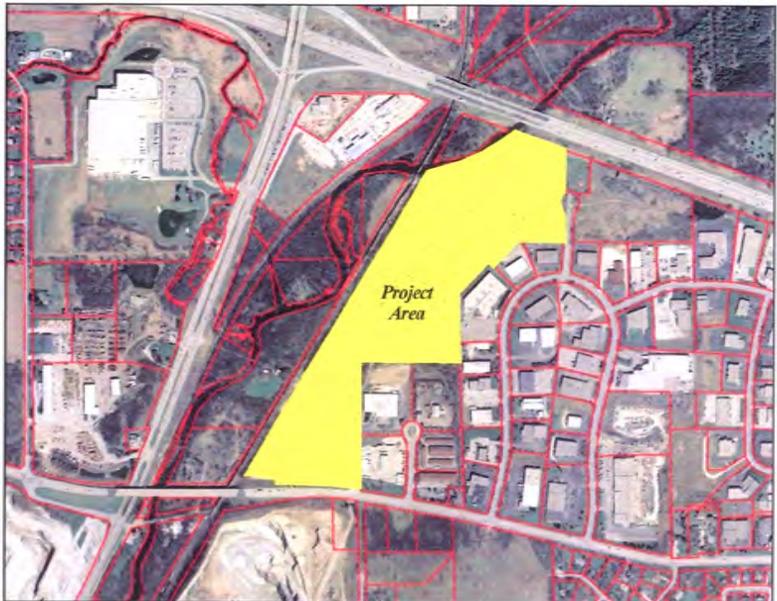
WAUKESHA COUNTY



CITY OF PEWAUKEE



SITE MAP



AERIAL VIEW OF SITE



ROBERT J. PAYNE
 STATE OF WISCONSIN
 PROFESSIONAL ENGINEER
 NO. 10000

FEB
 2011

PAYNE AND DOLAN, INC.
 143 WISCONSIN BARDINGER ROAD
 P.O. BOX 781
 WAUKESHA, WISCONSIN 53187
 PHONE: 262.524.1100
 WWW.PAYNEANDDOLAN.COM



NOTICE: THIS PLAN AND THE PERMIT IT REPRESENTS ARE THE PROPERTY OF PAYNE AND DOLAN, INC. AND ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF PAYNE AND DOLAN, INC.



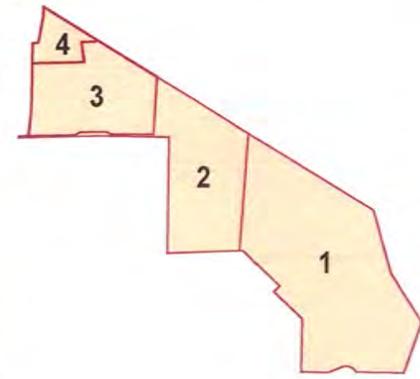
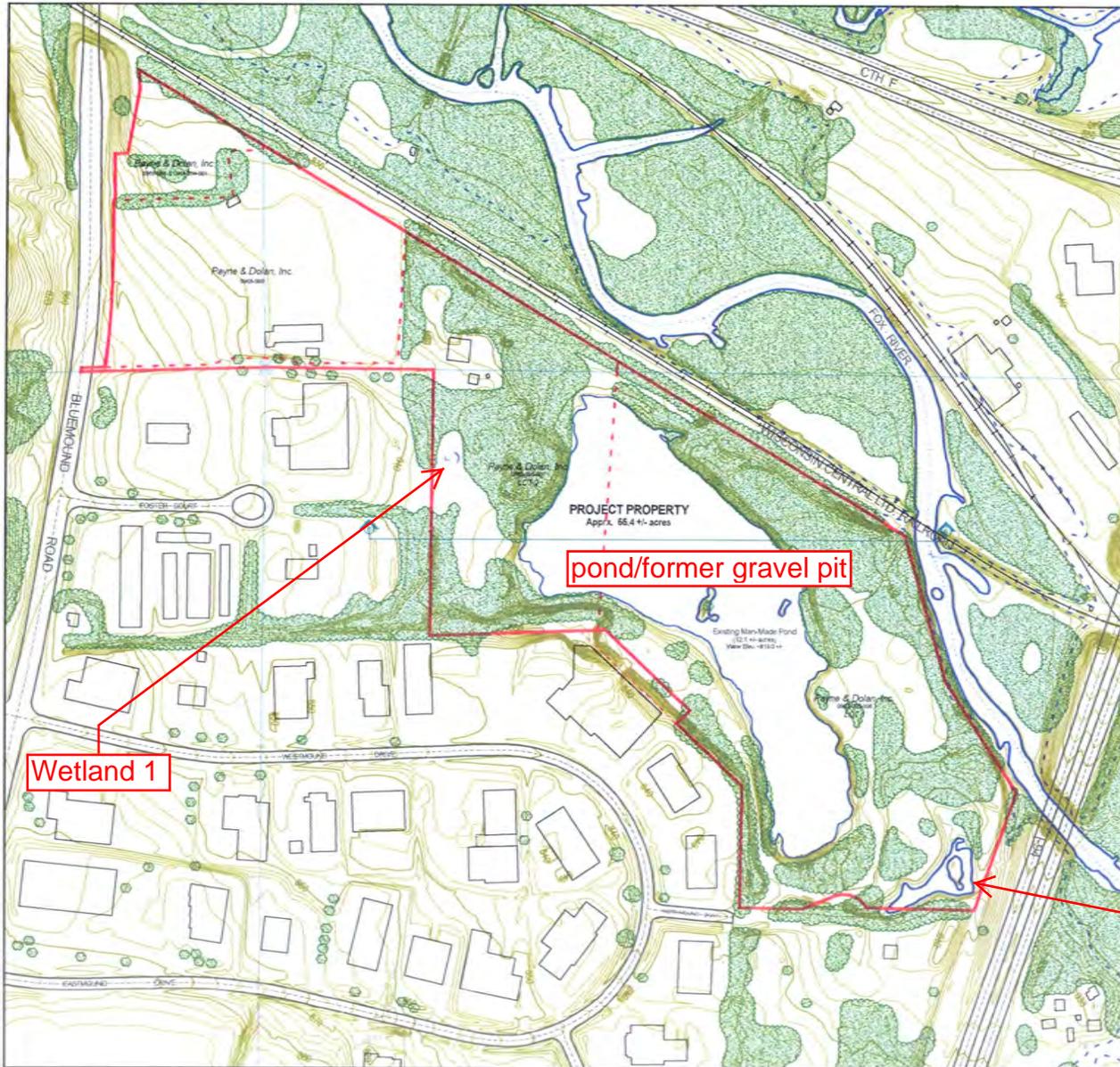
Conditional Use Permit Request
 Nonmetallic Mineral Extraction, Hot-Mix Asphalt Plant, Accessory Uses
 City of Pewaukee, Waukesha County, Wisconsin

INDEX OF EXHIBITS

- 1 TITLE SHEET & INDEX
- 2 PROJECT LOCATION MAP
- 3 SURVEY & LEGAL DESCRIPTION
- 4 EXISTING SITE CONDITIONS
- 5 OPERATIONS PLAN
- 6 RECLAMATION PLAN
- 7 CROSS SECTION & DETAILS
- 8 RECLAMATION MEASURES
- 9 ASPHALT PLANT PHOTOS
- 10 DRAINAGE FACILITY PLAN

Site Developer and Operator:
 **PAYNE AND DOLAN, INC.**
 143 WISCONSIN BARDINGER ROAD
 P.O. BOX 781
 WAUKESHA, WISCONSIN 53187
 PHONE: 262.524.1100
 WWW.PAYNEANDDOLAN.COM

NO.	DATE	DESCRIPTION	BY



Parcel	Owner	Tax Parcel #	Size (Acres)	Zoning
1	Payne & Dolan, Inc. 10 WEDON Sedge Road PO Box 731 Waikanae, WI 53187	0963-955-006	28.97	M-5A
2	Payne & Dolan, Inc. 10 WEDON Sedge Road PO Box 731 Waikanae, WI 53187	0963-955-007	13.50	M-5A
3	Payne & Dolan, Inc. 10 WEDON Sedge Road PO Box 731 Waikanae, WI 53187	0968-999	10.74	M-3
4	Payne & Dolan, Inc. 10 WEDON Sedge Road PO Box 731 Waikanae, WI 53187	0968-998 0968-994-001	1.12 1.15	M-3

PROPERTY MAP

Topographic information obtained from Waikanae County GIS



SYMBOLS LEGEND	
	Existing Vegetation
	Water's Edge (River or Pond)
	Property Line
	Streets and Local Roads
	Streams and Load Roads
	Flowlines
	Existing Structures
	Extraction Limit
	Half-act



EXISTING SITE CONDITIONS

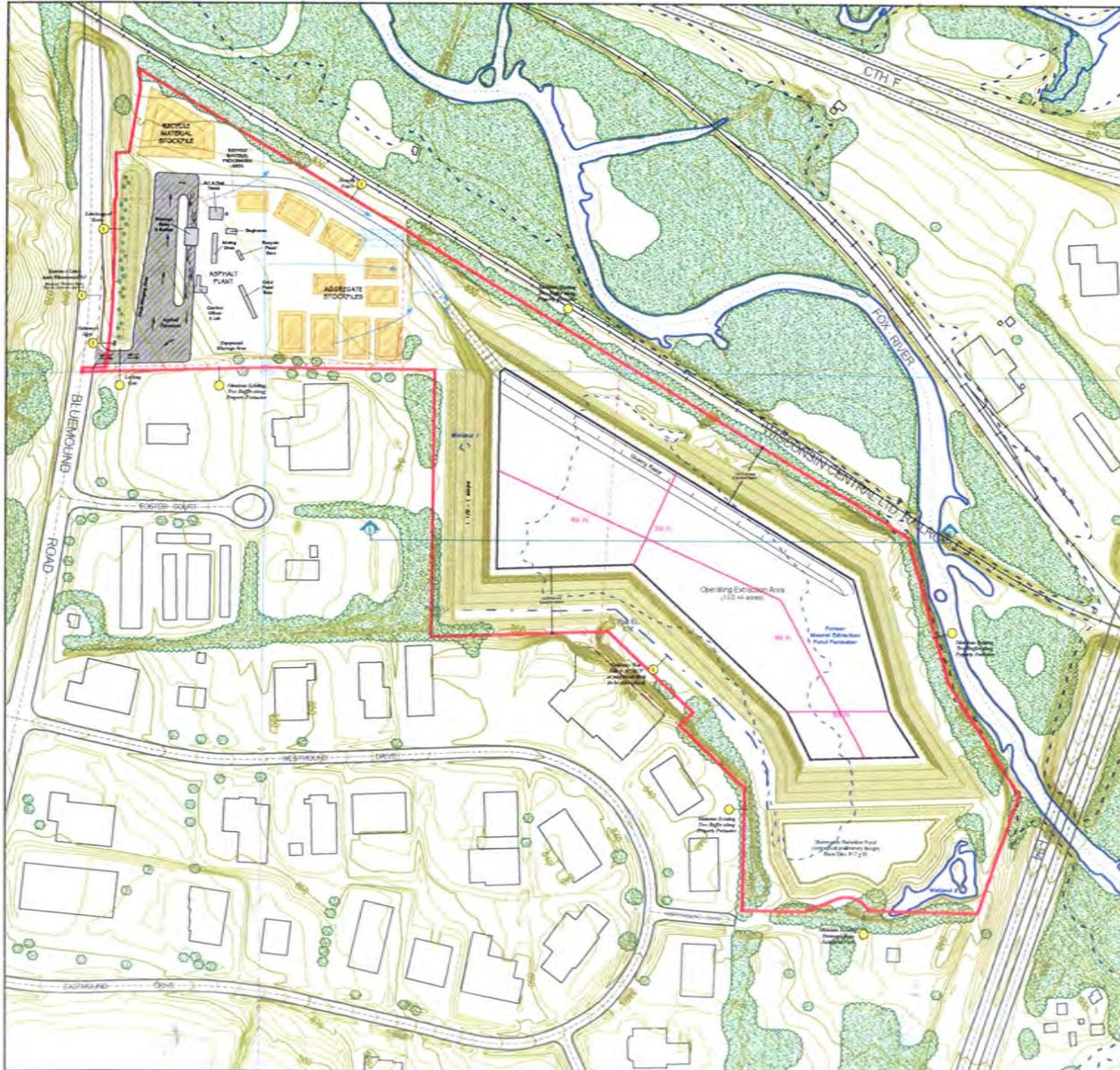
PAYNE AND DOLAN, INC.
10 WEDON SEDGE ROAD
PO BOX 731
WAIKANAЕ, WI 53187
Phone: 202.524.1700
Fax: 202.524.1800

City of Pewaukee, Wisconsin
1000 W. WISCONSIN AVE.
PEWEEUE, WI 53151
Phone: 262.333.2200
Fax: 262.333.2200

Conditional Use Permit Request
Nonmetallic Mineral Extraction, Hot-Mix Asphalt Plant, Accessory Uses
City of Pewaukee, Waukesha County, Wisconsin

DATE	BY	DESCRIPTION

4



CONCEPTUAL PLANT LAYOUT
 Plant shown as a conceptual layout - Final layout of plant and structures will vary from this plan, shown depending upon the final configuration of the plant that is built at the site.

Topographic information obtained from: **Waukesha County GIS**

SYMBOLS LEGEND

- Topographic contour line
- Existing Vegetation
- Existing Structures
- Property Line
- Extraction Line
- Streams and Rock Flows
- Floodplain
- Water's Edge (River or Pond)
- Railroad

1A: General Detail

NORTH SCALE: 3/2 (1" = 30')

Graphic scale bar: 0, 10, 20, 30, 40, 50 feet



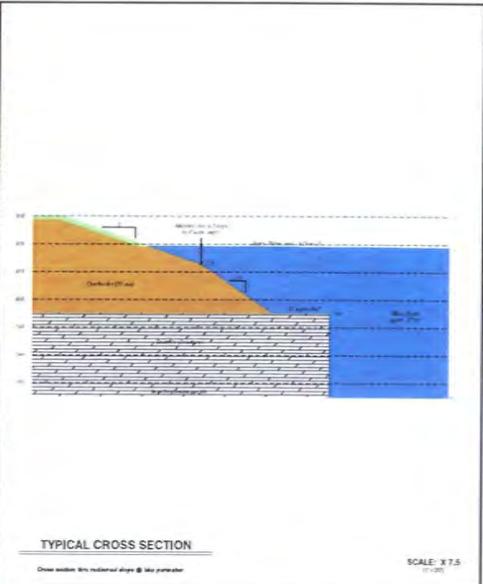
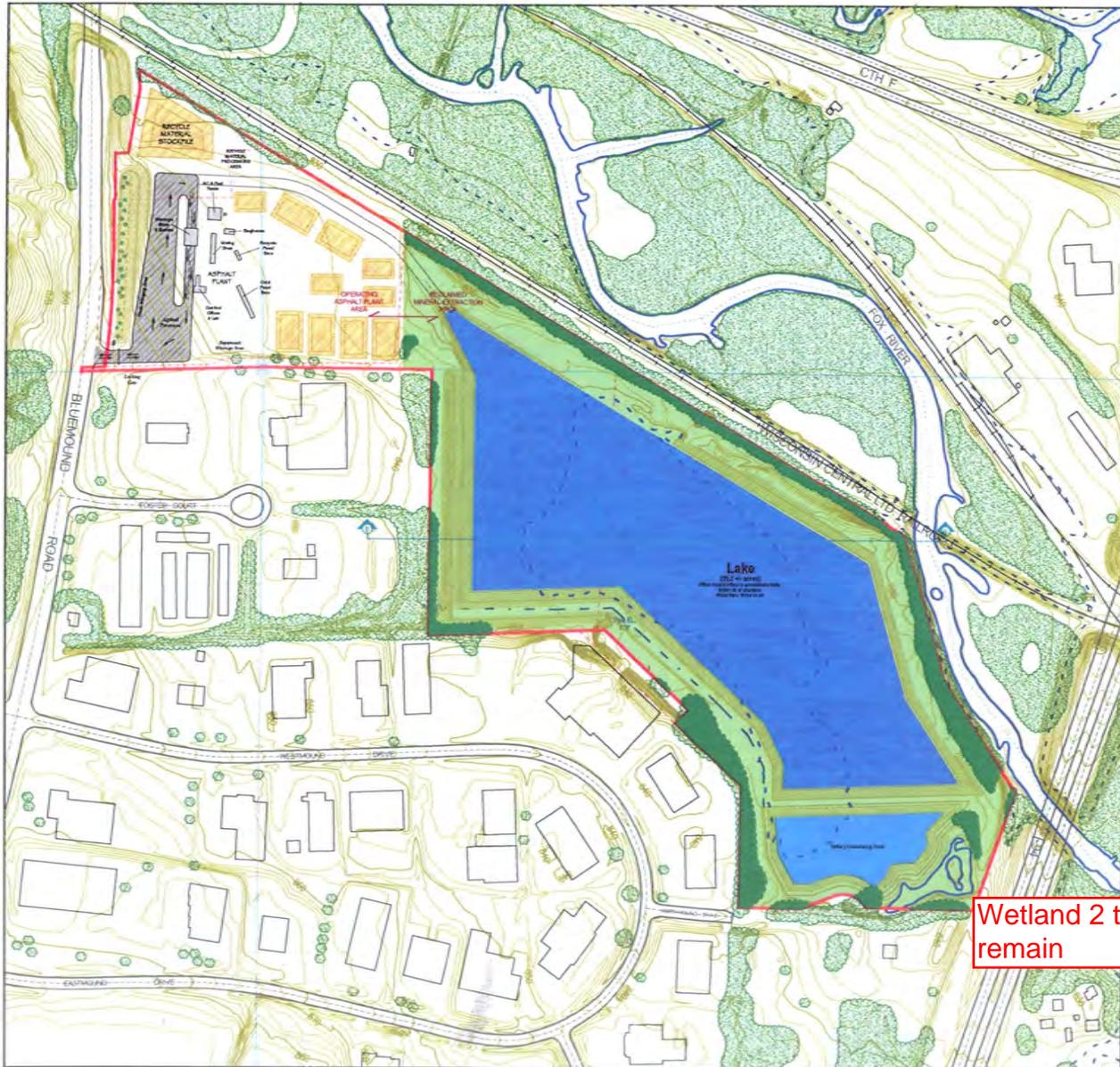
PAYNE AND DOLAN, INC.
 1000 FOX GLEN DRIVE
 WISCONSIN
 PHONE: 262.241.1200
 FAX: 262.241.1201

PROJECT: **CONDONAL USE PERMIT REQUEST FOR NONMETALLIC MINERAL EXTRACTION, HOT-MIX ASPHALT PLANT, ACCESSORY USES**
 CITY OF WAUKESHA, WISCONSIN
 PROJECT NO.: **2011-02334-MHK**
 SHEET NO.: **3**
 DATE: **11/14/11**

Condonal Use Permit Request
Nonmetallic Mineral Extraction, Hot-Mix Asphalt Plant, Accessory Uses
 City of Waukesha, Waukesha County, Wisconsin

DATE: 11/14/11	PROJECT: 2011-02334-MHK	SHEET NO.: 3	TOTAL SHEETS: 3
DESIGNER: [Signature]	CHECKED: [Signature]	DATE: 11/14/11	SCALE: AS SHOWN

5



The final end use for the reclaimed site is not being proposed at this time. The ultimate land development and end use beyond grading, vegetation and other requirements detailed in this plan are subject to future land use requirements.

No end-use development proposals shall be implemented prior to the submission of detailed end-use development plans pursuant to then applicable City of Pewaukee ordinance requirements, and the granting of detailed zoning and land use approval in accordance with such applicable ordinance requirements.

Topographic information obtained from: **Waukegan County GIS**

SYMBOLS LEGEND

- Topographic contour line
- Existing Vegetation
- Existing Structures
- Property Line
- Excavation Line
- Streets and Road Right-of-Way
- Right-of-Way
- Water's Edge (River or Pond)
- Railroad

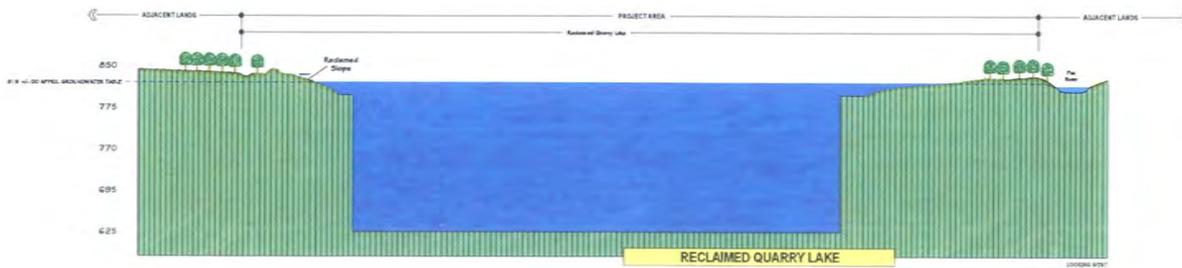
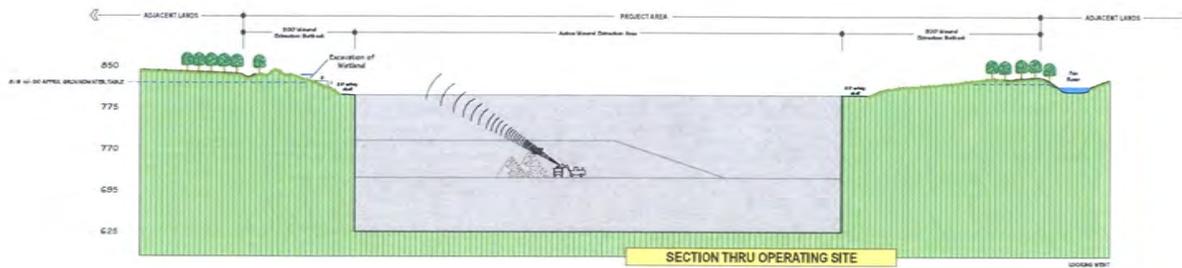
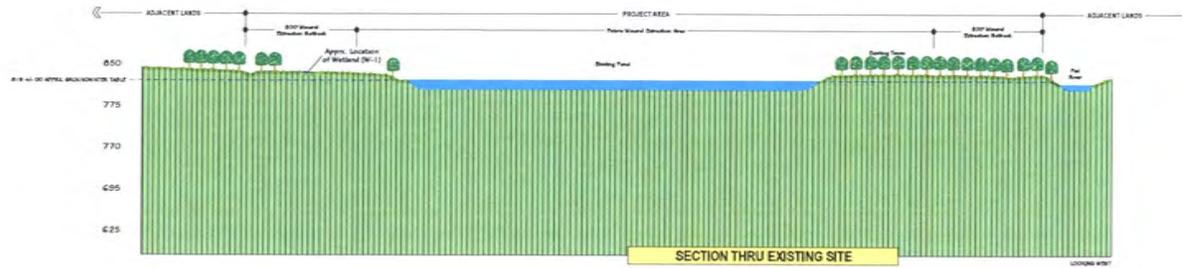
24' contour interval

RECLAMATION PLAN

PAYNE AND DOLAN, INC.
 1111 W. WISCONSIN ST., SUITE 100
 MILWAUKEE, WI 53233
 Phone: 414.224.1200
 Fax: 414.224.1200

6

Conditional Use Permit Request
 Nonmetallic Mineral Extraction, Hot-Air Asphalt Plant, Accessory Uses
 City of Pewaukee, Waukegan County, Wisconsin



CROSS SECTIONS

RYAN AND COGAN, INC.
 15 WOODLAND AVENUE
 WILMINGTON, MA 01897
 TEL: 603-533-1100
 FAX: 603-533-1101



NOTES:
 1. SEE ALL APPLICABLE PERMITS AND REGULATIONS.
 2. THIS DRAWING IS THE PROPERTY OF RYAN AND COGAN, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.



Conditional Use Permit Request
Nonmetallic Mineral Extraction, Hot-Mix Asphalt Plant, Accessory Uses
 City of Dover, Delaware, Washington County, Wisconsin

DATE	DESCRIPTION

DATE	BY	CHECKED BY

7

E. PURPOSE AND SCOPE

The purpose of this reclamation plan is to describe the activities to return the site to a condition whereby future land use is feasible after the completion of mineral extraction activities. Implementation of this reclamation plan shall be completed within one (1) year after the cessation of site operations.

The proposed land use for the reclaimed site upon reclamation is open space. The ultimate land development and use beyond grading, vegetation and other requirements detailed in this plan are subject to future land use requirements.

No surface development proposals shall be implemented prior to the submission of detailed surface development plans pursuant to then applicable City of Pewaukee ordinance requirements, and the granting of detailed zoning and land use approvals in accordance with such applicable ordinance requirements.

F. PROPOSED EARTHWORK AND RECLAMATION

The topsoil and other overburden materials covering the nonmetallic mineral deposit are removed and stockpiled separately for future reclamation. After the nonmetallic minerals are removed, the topsoil and other overburden materials will be placed over the area where the minerals were excavated to conform with the surrounding land and leveled. The existing topsoil and overburden are re-distributed across the parcel and fine graded to present a uniform appearance. Reformed slopes will be seeded upon completion of the fine grading.

The reclamation plan has been designed to maintain pre-mine drainage patterns to the greatest extent possible and to improve upon existing conditions where possible. Payne & Dolan will perform the necessary grading to achieve the final topography and drainage patterns as defined in the attached reclamation plan views. Contours may change from as shown depending upon variability in the mineral deposit.

G. GEOLOGIC COMPOSITION OF THE SITE AND DEPTH OF THE NONMETALLIC MINERAL DEPOSIT

The mineral deposit to be extracted consists of limestone bedrock approximately 100 ft thick. There is an average of 25% of overburden material of various glacial deposit materials (silt, loam, clay, sand, silt, etc.) overlying the limestone.

H. REVEGETATION PLAN

After the overburden materials have been placed over reclaimed slopes, the stockpiled topsoil will be spread over the reclaimed slopes, fine graded, seeded and mulched. Seeding activities will be carried out in accordance with accepted seeding specifications provided in the reclamation plan.

Prepared soil will be seeded at any time during the growing season when soil conditions are suitable but no longer than 30 days after the final grading of reclaimed slopes. Seeding activities should not be carried out immediately following rain, when the ground is too dry, or during windy periods.

All seeding and mulching will be done in accordance with the State of Wisconsin Department of Transportation Standard Specifications for Seeding and Mulching, Sections 538 and 637.

I. EROSION CONTROL AND POST OPERATIONAL MAINTENANCE

Erosion control measures will be implemented as necessary to minimize off-site erosion until such time as permanent placement and shaping of overburden and topsoil and seeding is possible. Best Management Practices (BMPs) such as check dams, straw bales, silt fence, surface water channels, energy dissipators, mulch or artificial surface cover, cover crop of vegetation, buffer areas, or other appropriate measures will be taken as necessary. All erosion and sediment control practices will be periodically checked for stability and operation on a regular basis.

Following completion of all reclamation or otherwise stabilized surfaces, along with all erosion and sediment control practices will be conducted on a monthly basis to ensure their stability, until such time as the vegetation required to support the post-mining land use has been successfully established and the financial assurance has been released.

Seeded areas will be mulched and fertilized as necessary to establish and maintain a dense, self-sustaining vegetative cover over reclaimed slopes. Erosion and sediment control measures will be repaired or replaced as necessary. Other preventative measures not mentioned in this reclamation plan will be taken as necessary to minimize off-site erosion.

J. COSTS OF RECLAMATION

Reclamation is an ongoing process during the nonmetallic mineral extraction process, with a majority of the reclamation being completed during active mineral extraction. Final reclamation will consist of regrading the quarry perimeter upon completion of the mineral extraction activities.

The estimated reclamation costs shall approximate the actual costs of reclamation including but not limited to grading and shaping of overburden over previously mined areas, as shown on the reclamation plan, distribution and placement of topsoil, necessary erosion control measures, seeding, mulching, inspections and maintenance.

The estimated reclamation costs for this site are \$150,000.

K. ASSESSING SUCCESSFUL RECLAMATION

Payne & Dolan will assess successful reclamation with the approved reclamation plan using the following methods:

1. The suitable overburden and topsoil have been graded to the contours as shown on the reclamation plan, and have been fine graded, seeded and mulched.

2. Adequate vegetation has been established to stabilize reclaimed surfaces. Adequate revegetation will be determined by utilizing the guidelines outlined in the Wisconsin Technical Note-AQUICOM-04-01 Guidelines for Revegetation, State DNR, dated May 10, 1991 or its present cover, will be determined as total cover (expressed as a percentage) as measured by the canopy vertical projection of plant parts, and will be restricted to species. Revegetation will be measured over the entire revegetated site at no less than 10 randomly placed square foot quadrats for each 10 acre area.

L. CERTIFICATION OF RECLAMATION PLAN

I hereby certify as a duly authorized representative or agent, that the reclamation at this nonmetallic mining site will be carried out in accordance with the approved reclamation plan submitted by Payne & Dolan, Inc. I also certify that the information contained herein is true and accurate and complies with the local and applicable nonmetallic mining reclamation standards established in PAR 125, Wisconsin Administrative Code.

Signature of representative or agent: _____ Date signed: February 14, 2011

Jeff D. Valinger, P.E.
Payne & Dolan, Inc.

RECLAMATION MEASURES



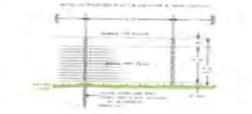
① SEDIMENT CONTROL FENCE



① TREE PLANTING DETAIL



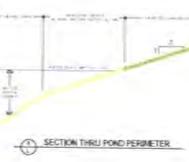
① GEOLOGIC COMPOSITION



① WOVEN WIRE ENCLOSURE FENCE



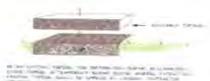
① EVERGREEN PLANTING DETAIL



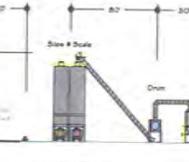
① SECTION THRU POND PERIMETER



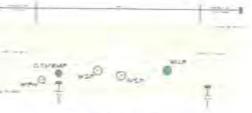
① ENTRANCE SIGN



① TOPSOIL PRESERVATION



① TYPICAL ASPHALT PLANT



① BERM LANDSCAPE PLAN



① SEED OPERATIONS



① PLANT MITIGATION SCHEDULE



① RESTORED SLOPES

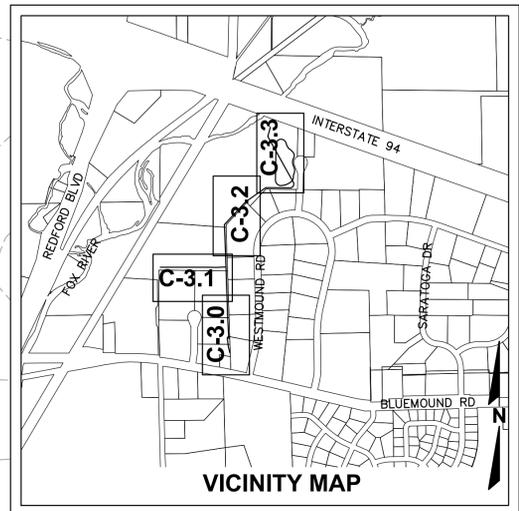
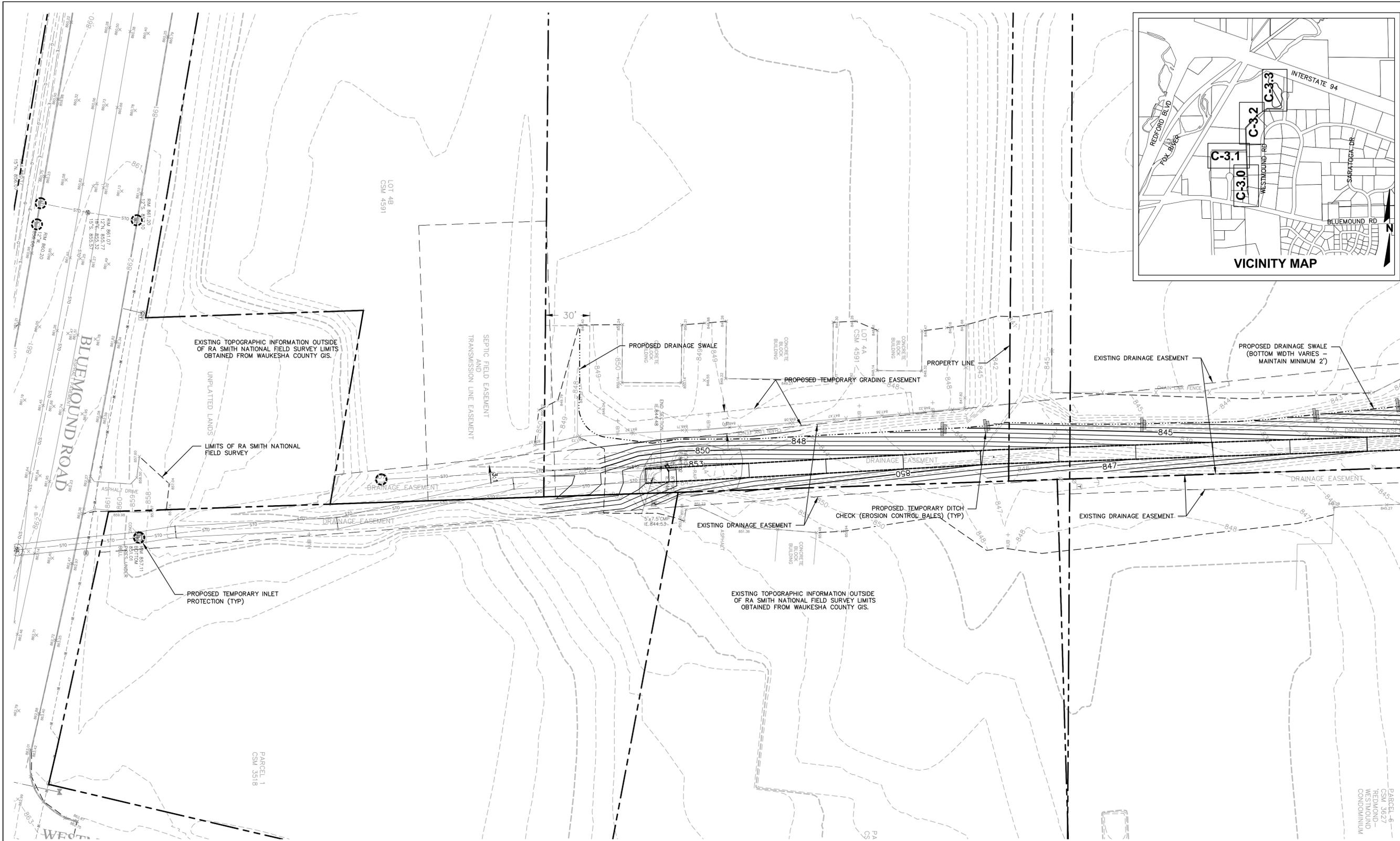
PAYNE AND DOLAN, INC.
701 W. VALINGER RD.
PO BOX 101
PEWAEUE, WI 53072
Phone: 262.234.1300
Fax: 262.234.1340

WISCONSIN DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION PLANNING AND DESIGN
1000 W. MICHIGAN ST., 3RD FLOOR
MILWAUKEE, WI 53233
Phone: 414.229.3300
Fax: 414.229.3301

Conditional Use Permit Request
Nonmetallic Mineral Extraction, Iron-Archetype Plant, Accessory Uses
City of Pewaukee, Waukesha County, Wisconsin

NO. _____	DATE _____

8



DATE	DESCRIPTION

R.A. Smith National
*Beyond Surveying
 and Engineering*

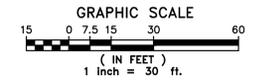
16745 W. Bluemound Road, Brookfield, WI 53005-5938
 262-761-1000 Fax 262-761-1666, www.rasmithnational.com
 Appleton, WI Orange County, CA Pittsburgh, PA

**WAUKESHA LIME AND STONE
 CITY OF PEWAUKEE**

**GRADING AND
 EROSION CONTROL PLAN**

© COPYRIGHT 2011 R.A. Smith National, Inc.
DATE: 04/11/13
SCALE: 1" = 30'
JOB NO. 3100293
PROJECT MANAGER: DAN MEIER, P.E.
DESIGNED BY: RTP
CHECKED BY: ---
SHEET NUMBER
C-3.0

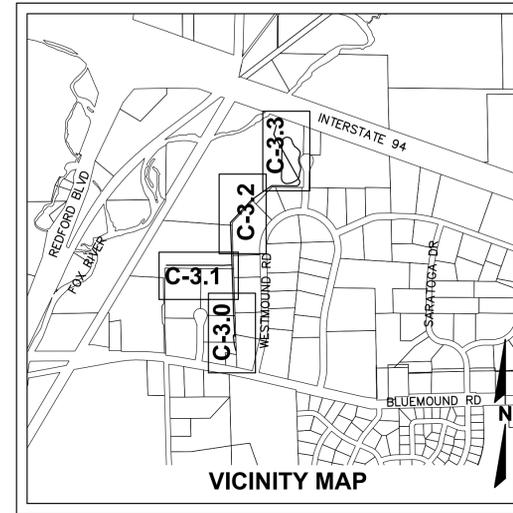
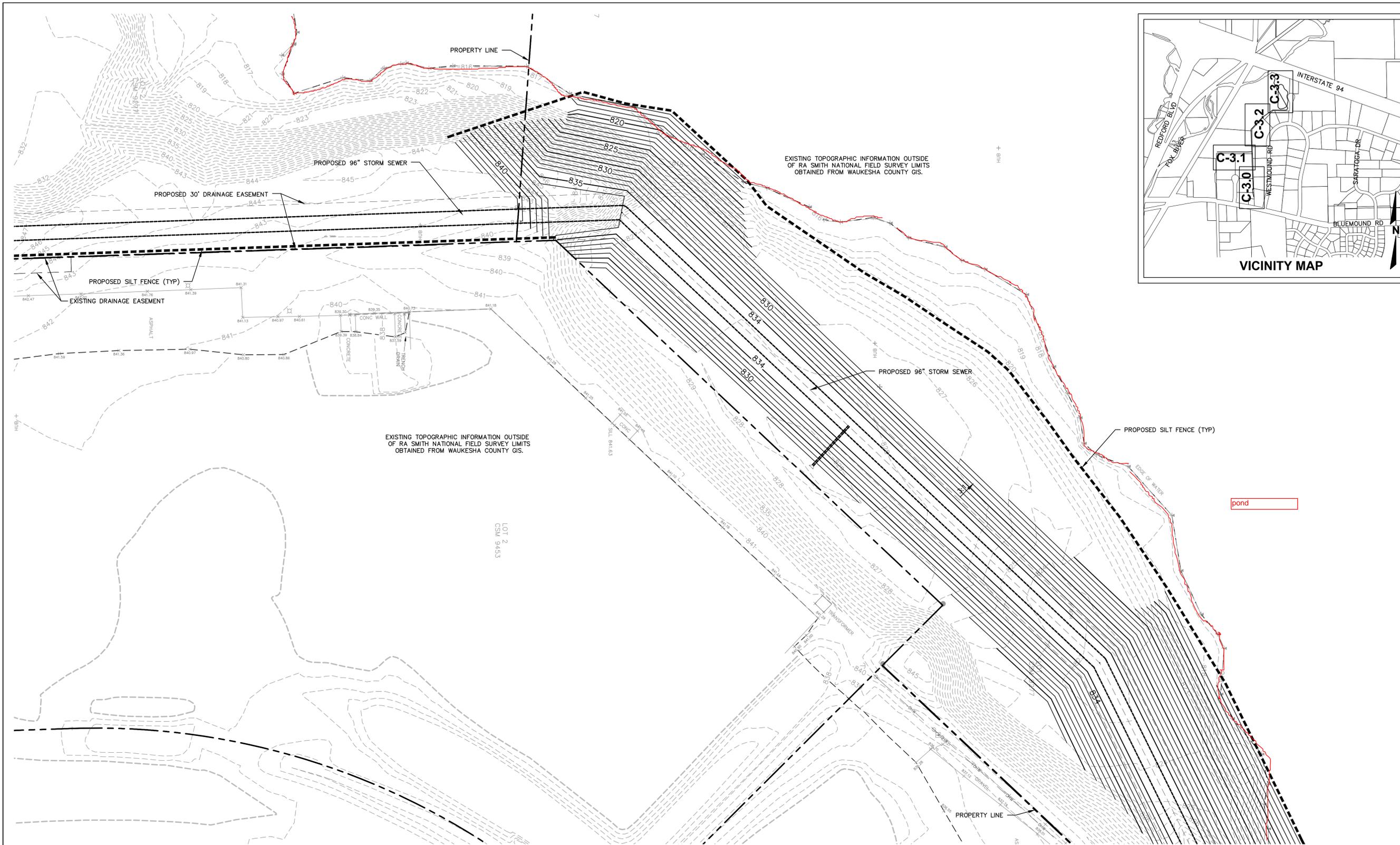
NOTES:
 1. CONTRACTOR SHALL INSTALL TEMPORARY EROSION CONTROL MATTING ON ALL SLOPES 4:1 OR GREATER.



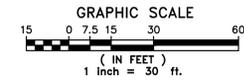
DIGGERS HOTLINE
 Call 811 3 Work Days Before You Dig
 or Toll Free (800) 242-8511
 Hearing Impaired TDD (800) 542-2289
 www.DiggersHotline.com

R.A. SMITH NATIONAL, INC. ASSUMES NO RESPONSIBILITY FOR DAMAGES, LIABILITY OR COSTS RESULTING FROM CHANGES OR ALTERATIONS MADE TO THIS PLAN WITHOUT THE EXPRESSED WRITTEN CONSENT OF R.A. SMITH NATIONAL.

THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS AS SHOWN ON THIS PLAN ARE APPROXIMATE. THERE MAY BE OTHER UNDERGROUND UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.



NOTES:
 1. CONTRACTOR SHALL INSTALL TEMPORARY EROSION CONTROL MATTING ON ALL SLOPES 4:1 OR GREATER.



DIGGERS HOTLINE
 Call 811 3 Work Days Before You Dig
 or Toll Free (800) 242-8511
 Hearing Impaired TDD (800) 542-2289
 www.DiggersHotline.com

R.A. SMITH NATIONAL, INC. ASSUMES NO RESPONSIBILITY FOR DAMAGES, LIABILITY OR COSTS RESULTING FROM CHANGES OR ALTERATIONS MADE TO THIS PLAN WITHOUT THE EXPRESSED WRITTEN CONSENT OF R.A. SMITH NATIONAL.

THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS AS SHOWN ON THIS PLAN ARE APPROXIMATE. THERE MAY BE OTHER UNDERGROUND UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

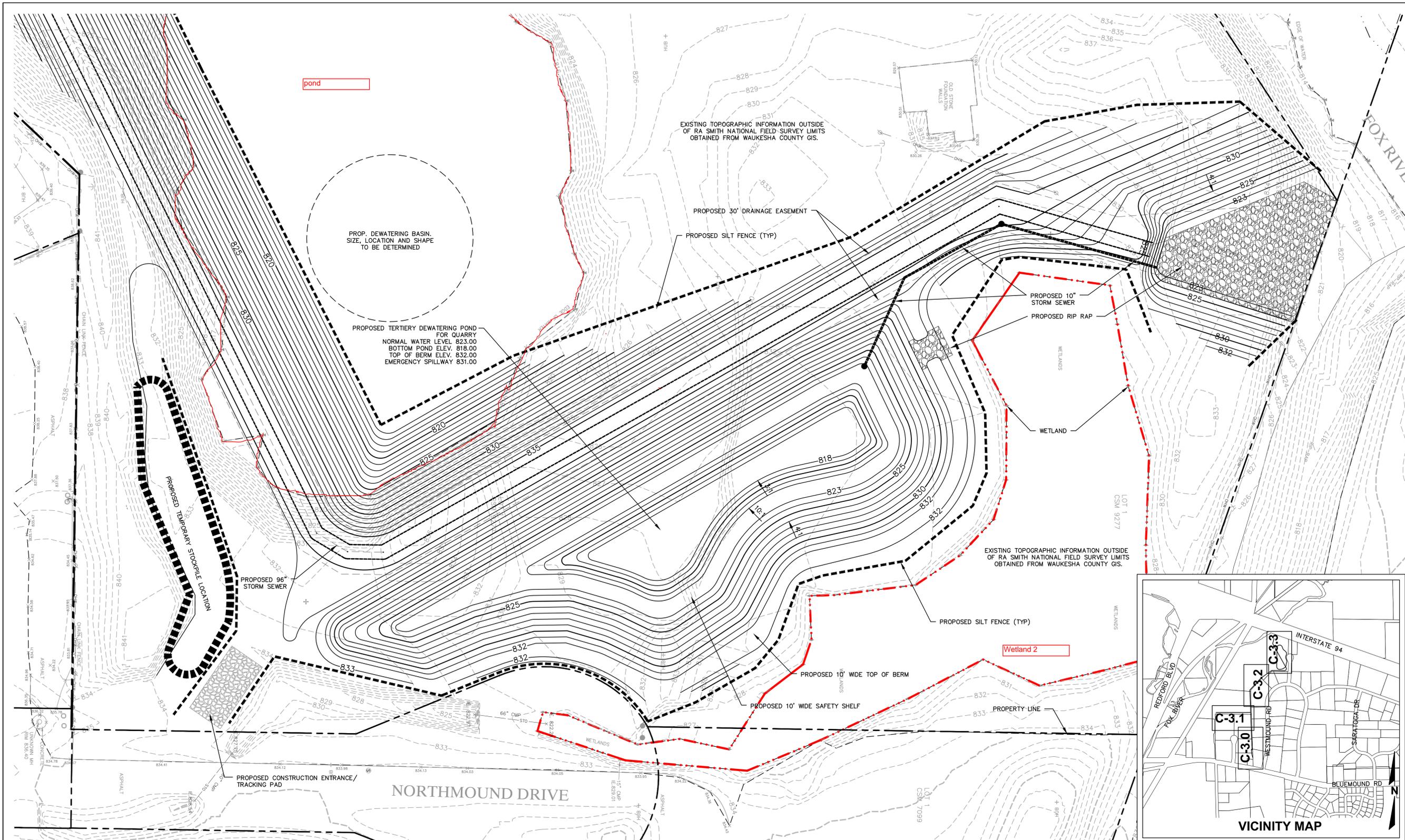
DATE	DESCRIPTION

R.A. Smith National
Beyond Surveying and Engineering
 16745 W. Bluemound Road, Brookfield, WI 53005-5938
 262-781-1000 Fax 262-781-8486, www.rasmithnational.com
 Appleton, WI Orange County, CA Pittsburgh, PA

**WAUKESHA LIME AND STONE
 CITY OF PEWAUKEE**

**GRADING AND
 EROSION CONTROL PLAN**

© COPYRIGHT 2011 R.A. Smith National, Inc.
DATE: 04/11/13
SCALE: 1" = 30'
JOB NO. 3100293
PROJECT MANAGER: DAN MEIER, P.E.
DESIGNED BY: RTP
CHECKED BY: ---
SHEET NUMBER
C-3.2



pond

PROP. DEWATERING BASIN.
SIZE, LOCATION AND SHAPE
TO BE DETERMINED

PROPOSED TERTIARY DEWATERING POND
FOR QUARRY
NORMAL WATER LEVEL 823.00
BOTTOM POND ELEV. 818.00
TOP OF BERM ELEV. 832.00
EMERGENCY SPILLWAY 831.00

EXISTING TOPOGRAPHIC INFORMATION OUTSIDE
OF RA SMITH NATIONAL FIELD SURVEY LIMITS
OBTAINED FROM WAUKESHA COUNTY GIS.

PROPOSED 30" DRAINAGE EASEMENT

PROPOSED SILT FENCE (TYP)

PROPOSED 10" STORM SEWER
PROPOSED RIP RAP

WETLAND

EXISTING TOPOGRAPHIC INFORMATION OUTSIDE
OF RA SMITH NATIONAL FIELD SURVEY LIMITS
OBTAINED FROM WAUKESHA COUNTY GIS.

PROPOSED SILT FENCE (TYP)

Wetland 2

PROPOSED 10' WIDE TOP OF BERM

PROPOSED 10' WIDE SAFETY SHELF

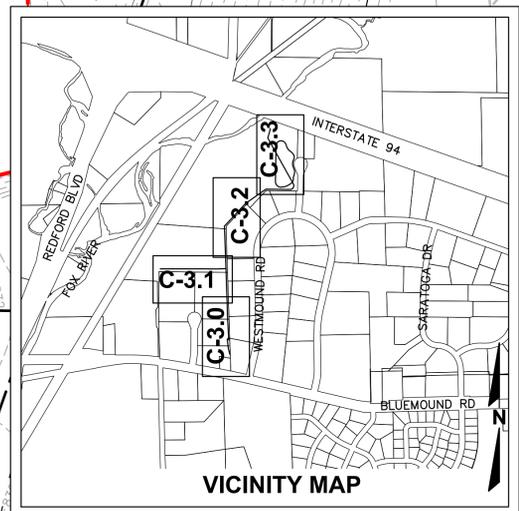
PROPERTY LINE

PROPOSED 96" STORM SEWER

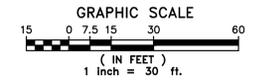
PROPOSED TYPICAL RIP RAP STOCKPILE LOCATION

PROPOSED CONSTRUCTION ENTRANCE/
TRACKING PAD

NORTHMOUND DRIVE



NOTES:
1. CONTRACTOR SHALL INSTALL TEMPORARY
EROSION CONTROL MATTING ON ALL SLOPES
4:1 OR GREATER.



DIGGERS HOTLINE
Call 811 3 Work Days Before You Dig
or Toll Free (800) 242-8511
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

R.A. SMITH NATIONAL, INC. ASSUMES NO
RESPONSIBILITY FOR DAMAGES, LIABILITY OR COSTS
RESULTING FROM CHANGES OR ALTERATIONS MADE
TO THIS PLAN WITHOUT THE EXPRESSED WRITTEN
CONSENT OF R.A. SMITH NATIONAL.

THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS AS
SHOWN ON THIS PLAN ARE APPROXIMATE. THERE MAY
BE OTHER UNDERGROUND UTILITY INSTALLATIONS
WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

DATE	DESCRIPTION
07/02/13	REVISED PER MONR COMMENTS

R.A. Smith National
*Beyond Surveying
and Engineering*
16745 W. Bluemound Road, Brookfield, WI 53005-5938
262-781-1000 Fax 262-781-8486, www.rasmithnational.com
Appleton, WI Orange County, CA Pittsburgh, PA

WAUKESHA LIME AND STONE
CITY OF PEWAUKEE
GRADING AND
EROSION CONTROL PLAN

© COPYRIGHT 2011 R.A. Smith National, Inc.
DATE: 04/11/13
SCALE: 1" = 30'
JOB NO. 3100293
PROJECT MANAGER: DAN MEIER, P.E.
DESIGNED BY: RTP
CHECKED BY: ---
SHEET NUMBER
C-3.3