Information for File # 2013-01835-RMM

Applicant: City of Alexandria

Corps Contact: Ryan Malterud

Address: 180 Fifth Street East, Suite 700, St. Paul, Minnesota 56101

E-Mail: Ryan.M.Malterud@usace.army.mil

Phone: (651) 290-5286

Primary County: Douglas

Section: 31 and 32

Township: 128 North

Range: 37 West

Information Complete On: March 31, 2014

Posting Expires On: April 12, 2014

Authorization Type: LOP-05-MN

This application is being reviewed in accordance with the practices for documenting Corps jurisdiction under Sections 9 & 10 of the Rivers and Harbor Act of 1899 and Section 404 of the Clean Water Act identified in Regulatory Guidance Letter 07-01. We have made a preliminary 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. Our jurisdictional review and final jurisdictional determination could result in modifications to the scope of the project's regulated waterbody/wetland impacts and compensatory mitigation requirements identified above. Any approved jurisdictional determination made prior to reaching a permit decision will be posted on the St. Paul District web page at http://www.mvp.usace.army.mil/.

Project Description and Purpose (As stated by the applicant):

The proposed project will involve the reconstruction and widening of 50th Avenue from Trunk Highway 29 to the SOO Line Railroad, the road project is approximately 0.50 miles in length. The applicant has stated the purpose of the project is for safety, increasing carrying capacity, durability and longevity of the roadway. The current pavement is in poor condition and has subgrade problems causing heaving and rutting creating an uneven driving surface. The roadway is expected to have increased traffic volumes due to a new high school which is currently under construction. There are also a

number of significant multi-family housing developments proposed in the area. The projected traffic volumes will exceed the existing roadway capacity.

The 50th Avenue reconstruction project consists of removing the existing bituminous, removing existing road core material, removing existing center line culverts, widening the roadway from 24 feet to 66 feet, installing curb and gutter, installing a 4.5 feet wide concrete sidewalk, centerline culverts, installing road grade tile drainage, catch basins, and three storm water ponds.

Name, Area and Types of Waters (Including Wetlands) Subject to Loss:
As proposed by applicant

Permanent Impacts			Temporary Impacts		
Wetland ID	Impact (Sq Ft)	Impact (Acre)	Wetland ID	Impact (Sq Ft)	Impact (Acre)
1	38,798	0.89	1	5,740	0.13
2	3,283	0.08	2	1,027	0.024
3	82,144	1.89	3	5,849	0.13
4	3,132	0.07	4	3,410	0.08
5	130	0.003	5	393	0.01
6	16,946	0.39	6	148	0.003
7	4,488	0.10	7	1,092	0.03
8	21,362	0.49	8	11,887	0.27
9	2,109	0.05	9	410	0.01
Total	172,392	3.96	Total	29,956	0.69
Total Wetland Impacts: 4.65 acres					

Compensatory Mitigation:

The applicant is proposing to meet compensatory mitigation requirements by securing wetland mitigation bank credits at a ratio of 2.5:1 ratio from the Minnesota Wetland Bank Account #1443.

Drawings: MVP-2013-01835-RMM Page 1 through MVP-2013-01835-RMM Page 3

MINNESOTA DEPARTMENT OF TRANSPORTATION

THE CITY OF ALEXANDRIA, DOUGLAS COUNTY

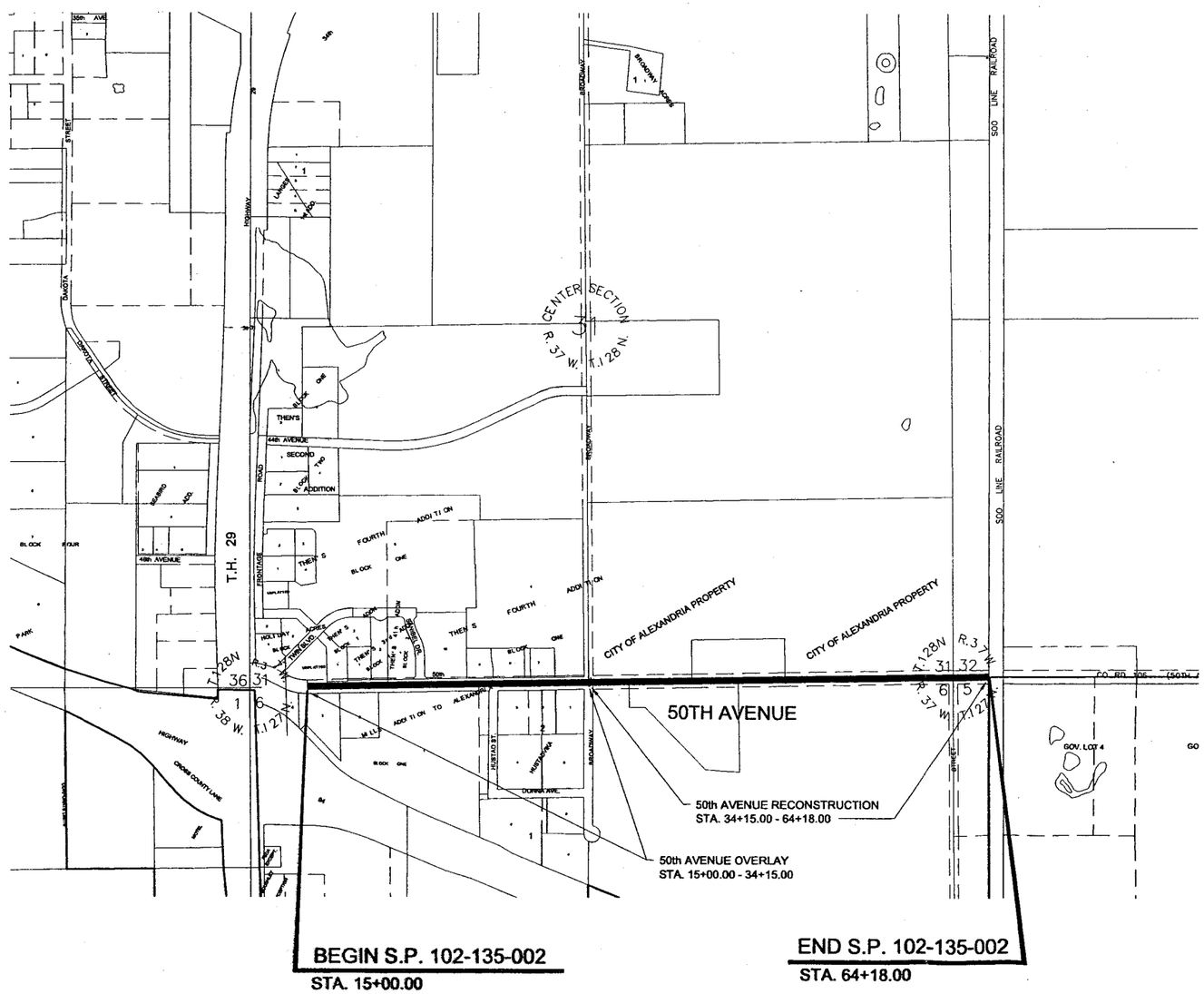
CONSTRUCTION PLAN FOR MILLING, BITUMINOUS OVERLAY, AND RECONSTRUCTION

LOCATED ON 50TH AVENUE **BETWEEN** TH 29 **AND** SOO LINE (CP RAIL) RAILROAD **(GEOGRAPHIC DESCRIPTION)**

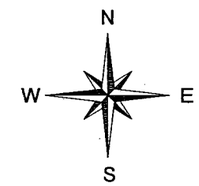
FROM FROM A POINT 425 FT. EAST OF THE SW COR. SEC. 31, T 128 N, R 37 W. **TO** TO A POINT 265 FT. EAST OF THE SW COR. SEC. 32, T 128 N, R 37 W. **(LEGAL DESCRIPTION)**

STATE PROJ. NO. 102-135-002

GROSS LENGTH	4918.000	FEET	0.931	MILES
BRIDGES-LENGTH	0.000	FEET	0.000	MILES
EXCEPTIONS-LENGTH	0.000	FEET	0.000	MILES
NET LENGTH	4918.000	FEET	0.931	MILES



PARTIAL MAP ALEXANDRIA, MINNESOTA

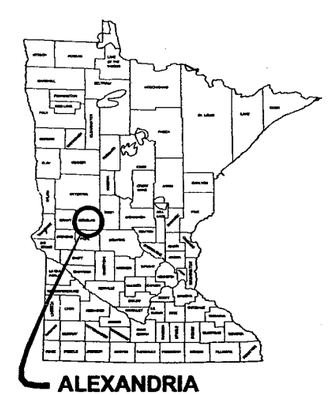


NOTE:
THIS CONSTRUCTION PLAN IS ALSO AN EROSION AND SEDIMENT CONTROL PLAN.

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."

GOPHER STATE ONE CALL
1-800-252-1166

LOCATION OF PROJECT AREA



SCALES

PLAN	AS SHOWN
PROFILE	AS SHOWN
INDEX MAP	AS SHOWN

WSN 0303A0284

MINN. PROJ. NO.
MINN. PROJ. NO.

GOVERNING SPECIFICATIONS

THE 2005 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.

INDEX

C1.1	TITLE SHEET
C1.2	GENERAL LAYOUT INDEX
C2.1	LEGEND
C2.2 - C2.3	STATEMENT OF ESTIMATED QUANTITIES & STANDARD PLATES
C2.4 - C2.6	SCHEDULES
C3.1 - C3.2	SANITARY SEWER DETAILS
C3.3	WATERMAIN DETAILS
C3.4	MISCELLANEOUS DETAILS
C3.5 - C3.6	STREET & OVERLAY DETAILS
C3.7 - C3.11	PEDESTRIAN RAMP DETAILS
C3.12 - C3.13	50TH AVENUE & OVERLAY TYPICAL SECTIONS
C3.14 - C3.15	CATCH BASIN PROFILE SECTIONS
C4.1 - C4.2	TRAFFIC DETOUR & DETAILS
C5.1	SWPPP NARRATIVE
C5.2	EROSION CONTROL TABULATION
C5.3 - C5.7	EROSION CONTROL DETAILS
C5.8 - C5.10	EROSION CONTROL PLAN
C6.1 - C6.4	EXISTING CONDITIONS & REMOVALS
C7.1 - C7.3	STORM POND PLAN
C7.4	STORM POND DETAILS
C8.1 - C8.6	50TH AVENUE PROPOSED CONSTRUCTION PLAN & PROFILE
C8.7	50TH AVENUE OVERLAY
C9.1 - C9.2	PAVEMENT MARKING PLAN
X1.1 - X1.16	50TH AVENUE X-SECTIONS & 50TH AVENUE EARTHWORK TOTALS

THIS PLAN CONTAINS 68 **SHEETS**

DESIGN DESIGNATION

	OVERLAY	RECONSTRUCTION
{N18 (20)	1,320,000	3,040,000
R Value	30	30
ADT (2013) =	4,350	10,000
Proj. ADT (2033) =	6,525	15,000
Proj. HCADT (2033) =	390	900
Soil Factor	100%	100

10 **Ton Design**

Shoulder Width

OR

Functional Classification MAJOR COLLECTOR

No. of Traffic Lanes 5 **No. of Parking Lanes** NA

Design Speed 30 **MPH**

Based on Stopping Sight Distance

Height of eye 3.5 **Height of object** 2.0

ENGINEER'S CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

1/10/14 DATE LIC. NO. 26874 Jeffrey L. Kuhn JEFFREY L. KUHN

DATE

APPROVED: TIMOTHY D. SCHOONHOVEN
CITY OF ALEXANDRIA ENGINEER

DATE

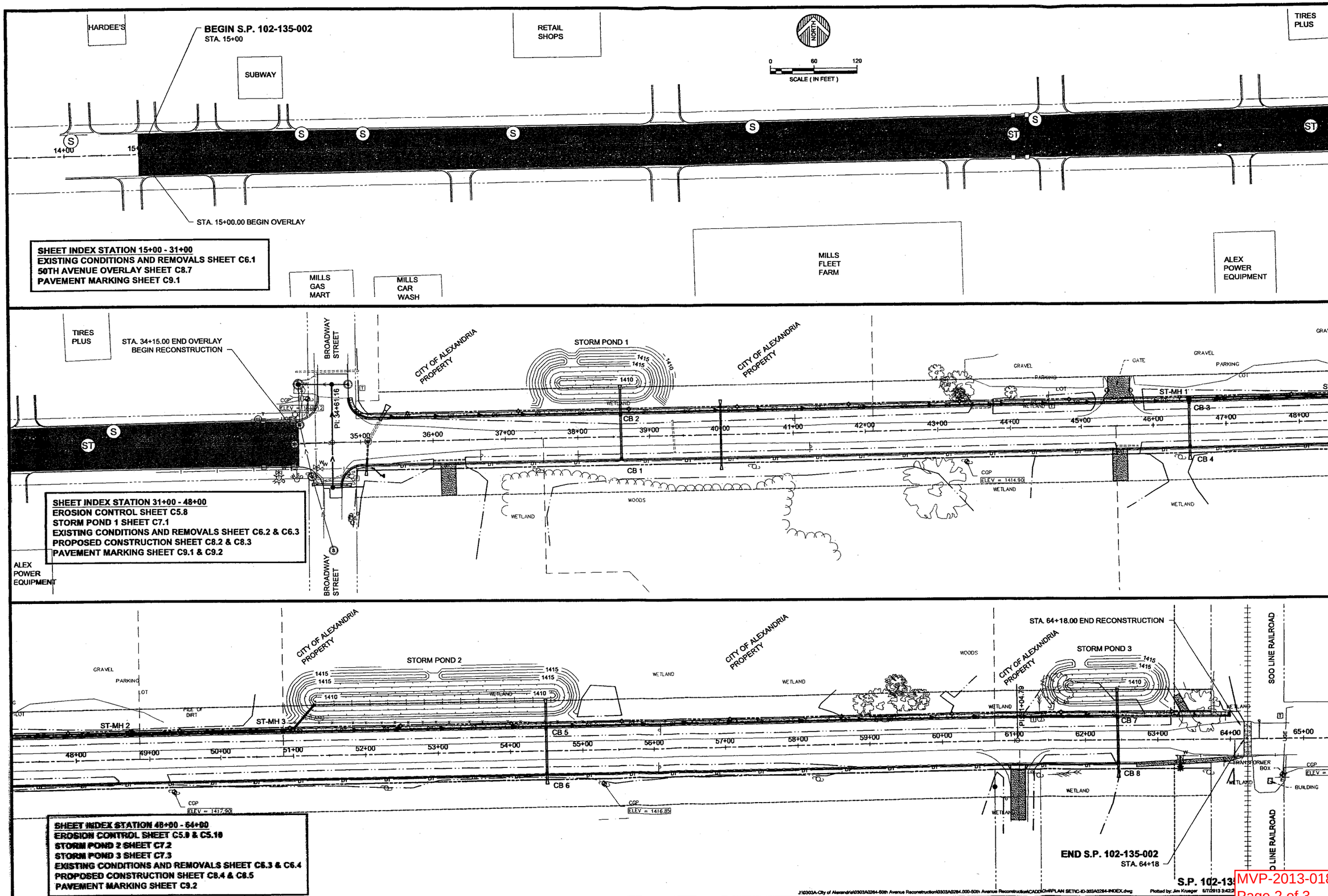
DISTRICT STATE AID ENGINEER: REVIEWED FOR COMPLIANCE WITH STATE-AID RULES/POLICY

DATE

STATE AID ENGINEER:
APPROVED FOR STATE AID & FEDERAL AID FUNDING

STATE AID PROJ. NO.
STATE PROJ. NO. 102-135-002 .1

MVP-2013-01835-RMM
Page 1 of 3



ARCHITECTS
ENGINEERS
ENVIRONMENTAL SERVICES
LAND SURVEYORS
WATER RESOURCES

WIDSETH SMITH NOLTING

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

JEFFREY L. KUHN DATE: 06/07/2013 LIC. NO. 26874

REV#	DATE	REVISIONS DESCRIPTION	BY

DATE: JUNE 2012
SCALE: AS SHOWN
DRAWN BY: J.J.E.
CHECKED BY: J.L.K.
JOB NUMBER: 0303A0284

50TH AVENUE RECONSTRUCTION
CITY OF ALEXANDRIA, DOUGLAS COUNTY
SP 102-135-002
GENERAL LAYOUT INDEX

SHEET NO.

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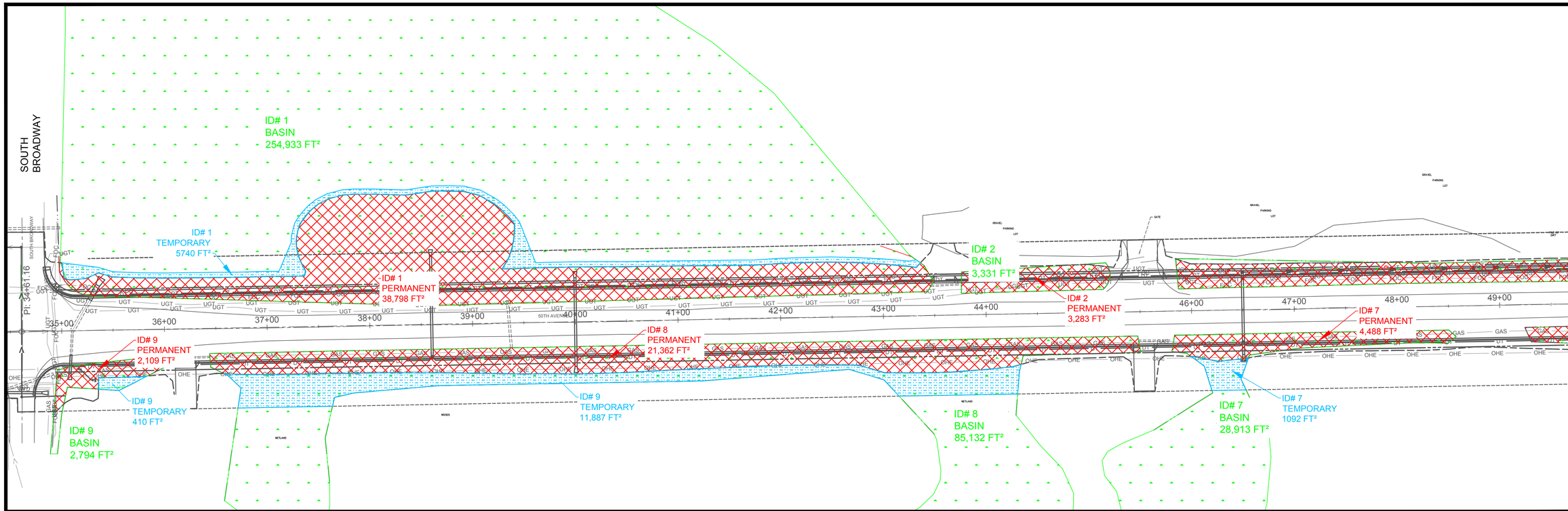
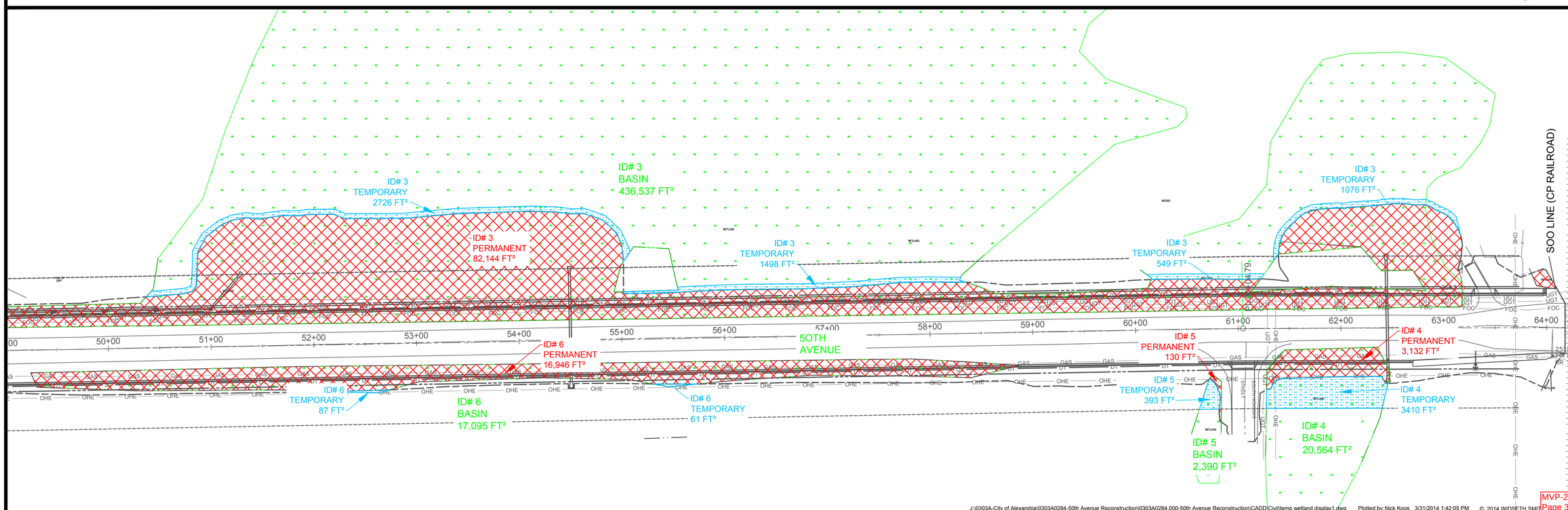
MVP-2013-01835-RMM
Page 2 of 3



50TH AVENUE

0 50 100
SCALE (IN FEET)

NORTH



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GRAND FORKS, ND
SUPERIOR, WI
ROCHESTER, MN

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WWW.WSNUS.COM

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LIC. NO.
DATE

REVISIONS DESCRIPTION	BY

DATE	REV#

DATE: AS SHOWN
SCALE: N/A
DRAWN BY: NOK
CHECKED BY:
JOB NUMBER: 0303A0284

50TH AVENUE RECONSTRUCTION
CITY OF ALEXANDRIA
ALEXANDRIA, MN
WETLAND IMPACTS

SHEET NO.

MVP-2013-01835-RMM
Page 3 of 3