



CITY of NOVI CITY COUNCIL

Agenda Item 8
March 27, 2017

SUBJECT: Approval of the Road Commission for Oakland County (RCOC) request for a Variance of the City's Noise Ordinance for the proposed reconstruction of 10 Mile Road from Copperwood Drive (Lyon Township) to Nepavine Drive and the construction of a modern roundabout at the intersection of Napier Road and Ten Mile Road. This project also includes the paving of the existing gravel road along Napier Road from 9 Mile Road to 10 Mile Road.

SUBMITTING DEPARTMENT: Department of Public Services, Engineering Division GDM

CITY MANAGER APPROVAL: 

BACKGROUND INFORMATION:

The Road Commission for Oakland County (RCOC) has developed a project to reconstruct 10 Mile Road from Copperwood Drive (Lyon Township) to Nepavine Drive and to construct a modern roundabout at the intersection of Napier Road and Ten Mile Road. This project also includes the paving of the existing gravel road along Napier Road from 9 Mile Road to 10 Mile Road (see attached Location Map).

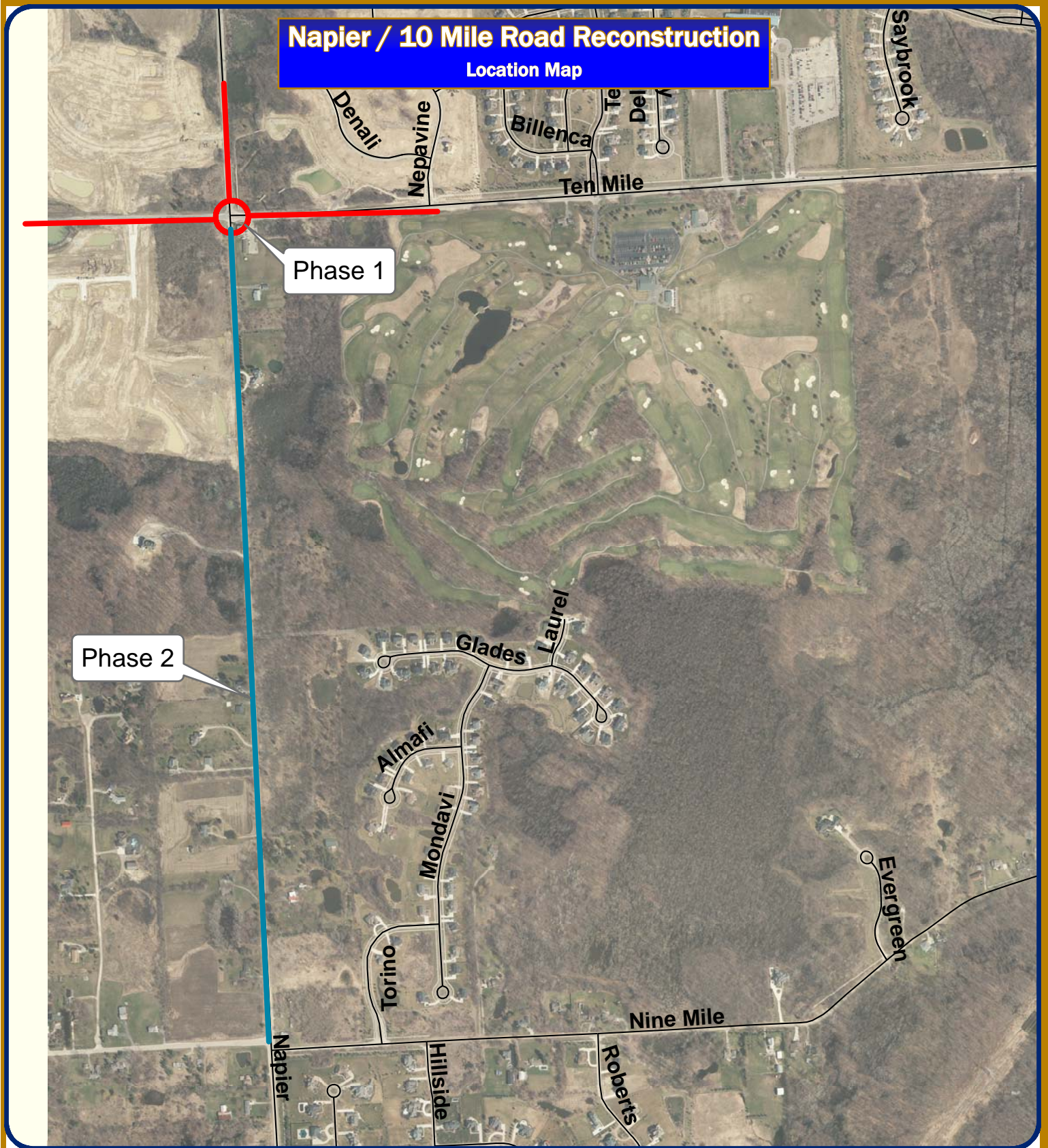
The RCOC has discussed this project and the impacts with the City of Novi Engineering Division personnel and Lyon Township residents directly to the west. As a result, the RCOC understands the need to minimize the disruption to the area. With this request, RCOC is requesting to work from 6:00 am to 9:00 pm, Monday through Saturday for the 2017 construction season (until November 15, 2017). The City's current Work Hours Noise Ordinance allows construction to occur during the hours of 7:00 am to 7:00 pm, Monday through Saturday. In an effort to further expedite this work, the granting of this request will allow RCOC's contractor to complete the maximum amount of roadwork in the minimum amount of time. It should be noted that Lyon Township has no objections to the proposed aforementioned work hours (as per RCOC's attached letter).

The City Engineering Division has reviewed this request and found it acceptable enough to proceed. The recommended variance would aid in expediting the project and help minimize the length of impact to motorists, residents and businesses. Other municipal and county projects are planned during the FY2017/2018 construction season within and around the proposed road detour routes for this project and this accelerated schedule and work an hours' variance approval will lessen the impact to those projects.

RECOMMENDED ACTION: Approval of the Road Commission for Oakland County (RCOC) request for a Variance of the City's Noise Ordinance for the proposed reconstruction of 10 Mile Road from Copperwood Drive (Lyon Township) to Nepavine Drive and the construction of a modern roundabout at the intersection of Napier Road and Ten Mile Road. This project also includes the paving of the existing gravel road along Napier Road from 9 Mile Road to 10 Mile Road.

Napier / 10 Mile Road Reconstruction

Location Map

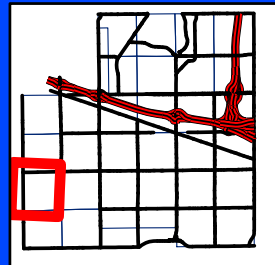


Map Author: J. Mathias
Date: 3/14/17

Amended By:
Date:
Department:

MAP INTERPRETATION NOTICE

Map information depicted is not intended to replace or substitute for any official or primary source. This map was intended to meet National Map Accuracy Standards and use the most recent, accurate sources available to the people of the City of Novi. Boundary measurements and area calculations are approximate and should not be construed as survey measurements performed by a licensed Michigan Surveyor as defined in Michigan Public Act 432 of 1970 as amended. Please contact the City GIS Manager to confirm source and accuracy information related to this map.



City of Novi

Engineering Division
Department of Public Services
26300 Lee BeGole Drive
Novi, MI 48375
cityofnovi.org

0 170 340 680 1,020
Feet

1 inch = 833 feet



Board of Road Commissioners

Eric S. Wilson
Commissioner

Gregory C. Jamian
Commissioner

Ronald J. Fowkes
Commissioner

Dennis G. Kolar, P.E.
Managing Director

**Gary Piotrowicz, P.E.,
P.T.O.E.**
Deputy Managing Director
County Highway Engineer

Engineering Department

Design Division

31001 Lahser Road
Beverly Hills, MI 48025

248-645-2000

FAX
248-645-0618

www.rcocweb.org

March 8, 2017

Mr. George D. Melistas
Engineering Service Manager
City of Novi
26300 Lee BeGole Drive
Novi, MI. 48375

Re: Request for a Variance of Novi's Noise Ordinance
for RCOC Project 53111: Napier Rd – 9 Mile Rd to north of 10 Mile Rd and
10 Mile Rd – Copperwood Dr to west of Nepavine Dr.

Engineer Melistas:

The Road Commission for Oakland County (RCOC) is requesting a variance to the City of Novi's Noise Ordinance. This variance is to allow for extended work hours for construction activities associated with the gravel road paving of Napier Rd from 9 Mile Rd to north of 10 Mile Rd. This project also includes the reconstruction of 10 Mile Rd from Copperwood Dr to west of Nepavine Dr including the installation of a modern roundabout at the intersection of 10 Mile Rd and Napier Rd. RCOC has discussed this project and the impacts with the City of Novi, other local municipalities and other local agencies. As a result, RCOC understands the need to minimize the disruption to the area. RCOC is requesting the City of Novi allow work to occur on site from 6:00 AM to 9:00 PM Monday through Saturday for the remainder of the 2017 construction season (until November 15, 2017). In an effort to further expedite this work, the granting of this request will allow RCOC's contractor to complete the maximum amount of roadwork in the minimum amount of time.

RCOC is including a \$125,000.00 incentive to the Contractor to complete the roundabout and 10 Mile Rd work in the quickest timeframe as is possible. This incentive coupled with the variance of the noise ordinance will help to minimize the disruption to the area.

It should be noted that Lyon Township has no objections to the work hours stated above. RCOC believes this is the best option to minimize the overall project schedule and impacts to the communities and residents in this area. If you have any questions or concerns, please feel free to contact me at (248) 645-2000 ext. 2282.

Sincerely,



Alex Rucinski, P.E.
Project Engineer, Design Division
Road Commission for Oakland County

cc: Tom Blust, P.E., RCOC Director of Engineering
Jeff O'Brien, P.E., RCOC Design Engineer



cityofnovi.org

WORK HOURS VARIANCE-WAIVER REQUEST

From Sec. 22-98 Construction Activity (Ord. No. 93-23.11, Pt I, 3-29-93)

Date of Request: 3/3/2017

Project Name: Napier Rd paving and 10 Mile Rd reconstruction

Project Location: Napier Rd from north of 9 Mile Rd to north of 10 Mile Rd and 10 Mile Rd from Napier Rd to Napevine Dr

Contractor/Sub-Contractor: Road Commission for Oakland County request on behalf of a future selected Contractor

Please be as specific and detailed as possible below. Provide dates, times, locations, etc. and more importantly, the reasoning behind the request to work outside the City of Novi Work Hour Noise Ordinance, which is Monday through Saturday from 7am to 7pm.

The Road Commission for Oakland County (RCOC) is requesting a variance from the standard work hour noise ordinance, to allow for construction activities on the project to occur from 6 AM to 9 PM, Monday through Saturday. These extended work hours will accelerate the overall project construction schedule, shorting the duration of the project detour route while the project area is closed to through traffic. The proposed detour route for 10 Mile Rd is Griswold Rd to 8 Mile Rd to Novi Rd and vice versa. The detour route for Napier Rd is Grand River Ave to Novi Rd to 8 Mile Rd and vice versa.

The request is primarily for the reconstruction of the Napier Road and 10 Mile Intersection improvement portion of the project. This portion of the project would commence construction in the Summer of 2017 and be completed in the fall of 2017.

Engineer Approval:  Date: 3/10/17

City Engineer Approval:  Date: 3/16/17
(Rob Hayes or designee)

Building Official Approval:  Date: 3/16/17
(Charles Boulard or designee)

- cc: Charles Boulard, Building Official
- Rob Hayes, City Engineer
- Theresa Bridges, Construction Engineer
- David Molloy, Director of Public Safety
- Jeff Johnson, Director of EMS & Fire Operations
- Code Enforcement
- Consulting Engineer
- Contractor/Sub-Contractor

MEMORANDUM



TO: PETER E. AUGER, CITY MANAGER
FROM: GEORGE D. MELISTAS, ENGINEERING SR. MANAGER GDM
SUBJECT: 10 MILE AND NAPIER ROAD - PROJECT UPDATE
DATE: DECEMBER 28, 2016

Regarding the proposed project mentioned above, I attended the Grade Inspection (G.I.) meeting held at the Road Commission for Oakland County (RCOC) on December 20, 2016 and have the following project status updates for you:

Project Status (per RCOC):

- The RCOC is currently in R.O.W. acquisition negotiations with First Freewill Baptist Church of Novi located at 51395 West 10 Mile Road (SE Corner of 10 Mile and Napier). Mr. Alex Rucinski will be contacting Novi City Planner, Ms. Barb McBeth to discuss the status and what the Church's plans are.
- There are a few more parcels in which easements and or R.O.W. needs to be acquired at this intersection.
- RCOC will work out the removal of the existing boardwalk along the East side of Napier with the Island Lake Developer and HOA. This is to allow additional room for the roundabout to be constructed in the area that the existing boardwalk currently sits. A new asphalt pathway will be constructed in its place and will connect into the existing pathway along the East side of Napier Road.
- A possible incentive may be offered for the early completion of this roundabout. Incentive amount (and if it will be given) is yet to be determined.
- Napier Road from 9 Mile to 10 Mile Road (currently a gravel road) will be paved and drainage improvements will be done as part of this project.
- Road Detour will be Griswold to 8 Mile to Novi Road to 10 Mile (**see attached road detour map**). Beck Road cannot be used as a detour because City of Novi has a project slated along Beck Road from 8 Mile to 9 Mile in 2017 (during same timeframe as this project).
- A temporary traffic signal will be erected at 8 Mile and Griswold in Lyon Township for motorist safety purposes.
- RCOC is seeking a possible NOISE VARIANCE REQUEST to allow work from 6AM - 9PM Monday thru Sunday (with NO NIGHT TIME WORK). This is in anticipation of speeding up the project work schedule and completion of project. RCOC to coordinate this effort with City of Novi DPS and Community Development Department.

Important/Notable Dates/Timeframes (per MDOT/RCOC):

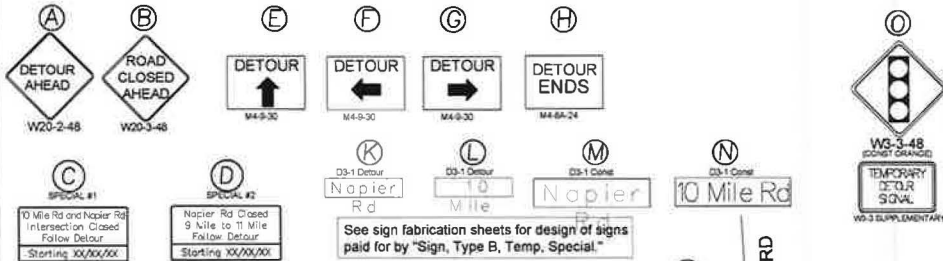
- April 7, 2017 is the MDOT Bid Letting Date for the project.
- Mid-May 2017 is the anticipated project start-up date (weather permitting).
- Intersection of 10 Mile and Napier will be shut down for a period of 4 months.
- 124 Days will be allotted for the Roundabout Construction. Hoping to have roundabout completed by Mid-September (or sooner).
- Entire Project Open to Thru Traffic by November 2017 (or sooner).
- Final Restoration to occur: Spring 2018

Representatives Present:

- Representatives from RCOC, MDOT and Lyon Township were present.

cc: Victor Cardenas, Assistant City Manager
Charles Boulard, Community Development Director
Barb McBeth, City Planner
Matt Wiktorowski, Field Operations Senior Manager
Ben Croy, Water and Sewer Senior Manager
Beth Saarela, JRSJ Law

DETOUR SIGNING



SIGNS THIS SHEET BY CONTRACTOR		
ITEM	UNIT	QTY
Sign, Type B, Temp, Prismatic, Furn	Sft	320
Sign, Type B, Temp, Prismatic, Oper	Sft	320
Sign, Type B, Temp, Prismatic, Special, Furn	Sft	380
Sign, Type B, Temp, Prismatic, Special, Oper	Sft	380
Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	3
Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	3
Sign Cover	Ea	2

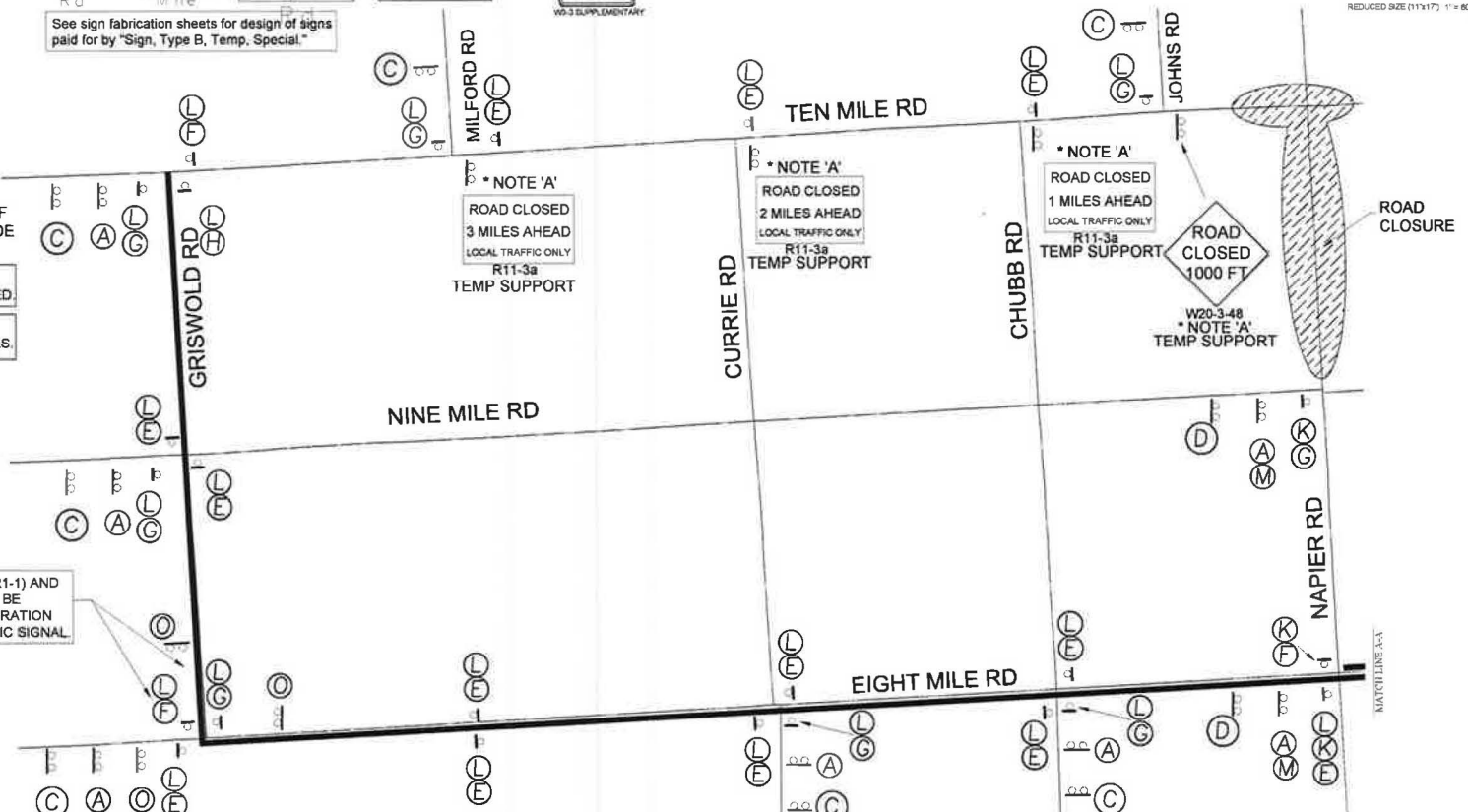


NOTES

NOTE 'A'- PLACE ON SHOULDER OF ROAD WITH ONE TYPE 3 BARRICADE

ALL SIGNS SHALL BE GROUND MOUNTED UNLESS OTHERWISE NOTED.

CONTRACTOR TO MAINTAIN LOCAL TRAFFIC ON NAPIER RD AT ALL TIMES.



EXISTING STOP SIGN (R1-1) AND STOP AHEAD (W3-1) TO BE COVERED DURING OPERATION OF TEMPORARY TRAFFIC SIGNAL.

SIGNS REQUIRED

3	D3-1 DETOUR Napier Rd (20x12)
19	D3-1 DETOUR 10 Mile (20x12)
2	D3-2 CONST Napier Rd (48x12)
2	D3-2 CONST 10 Mile (48x12)
1	M4-9 (24x18)
20	M4-9 (24x18)
3	R11-3a (20x60)
3	W3-3 (48x48)
3	W3-3 Supplementary (26x24)
7	W20-2 (48x48)
1	W20-3 (48x48)
7	SPECIAL #1 (96x48)
2	SPECIAL #2 (96x48)

<p>ROAD COMMISSION FOR CALHOUN COUNTY BEVERLY HILLS, MICHIGAN</p>	PROJECT NO. 52111	TS DETOUR 1	DESIGN PHASE FINAL PLANS
	DATE 01/20/2017	NAPIER ROAD 9 MILE ROAD TO 10 MILE ROAD	SHEET NO. 8 OF 155

PROJECT SHEET 11 - NAPIER ROAD TO 10 MILE ROAD PROJECT MANAGER: P. ANDERSON PROJECT ENGINEER: D. GIBSON

PROJECT NO. 52111 PROJECT NAME: NAPIER ROAD 9 MILE ROAD TO 10 MILE ROAD DESIGN PHASE: FINAL PLANS SHEET NO. 8 OF 155

SIGNS THIS SHEET BY CONTRACTOR		
ITEM	UNIT	QTY
Sign, Type B, Temp, Prismatic, Furn	Sft	420
Sign, Type B, Temp, Prismatic, Oper	Sft	420
Sign, Type B, Temp, Prismatic, Special, Furn	Sft	882
Sign, Type B, Temp, Prismatic, Special, Oper	Sft	882
Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	7
Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	7
Sign Cover	Ea	-

*** NOTE 'A'**
 ROAD CLOSED
 1 MILES AHEAD
 LOCAL TRAFFIC ONLY
 R11-3a
 TEMP SUPPORT

DETOUR SIGNING



FULL SIZE (22"x34")
 REDUCED SIZE (11"x17") 1" = 80'

DETOUR AHEAD (W20-2-48) **ROAD CLOSED AHEAD** (W20-3-48)

DETOUR (M4-9-30) **DETOUR** (M4-9-30)

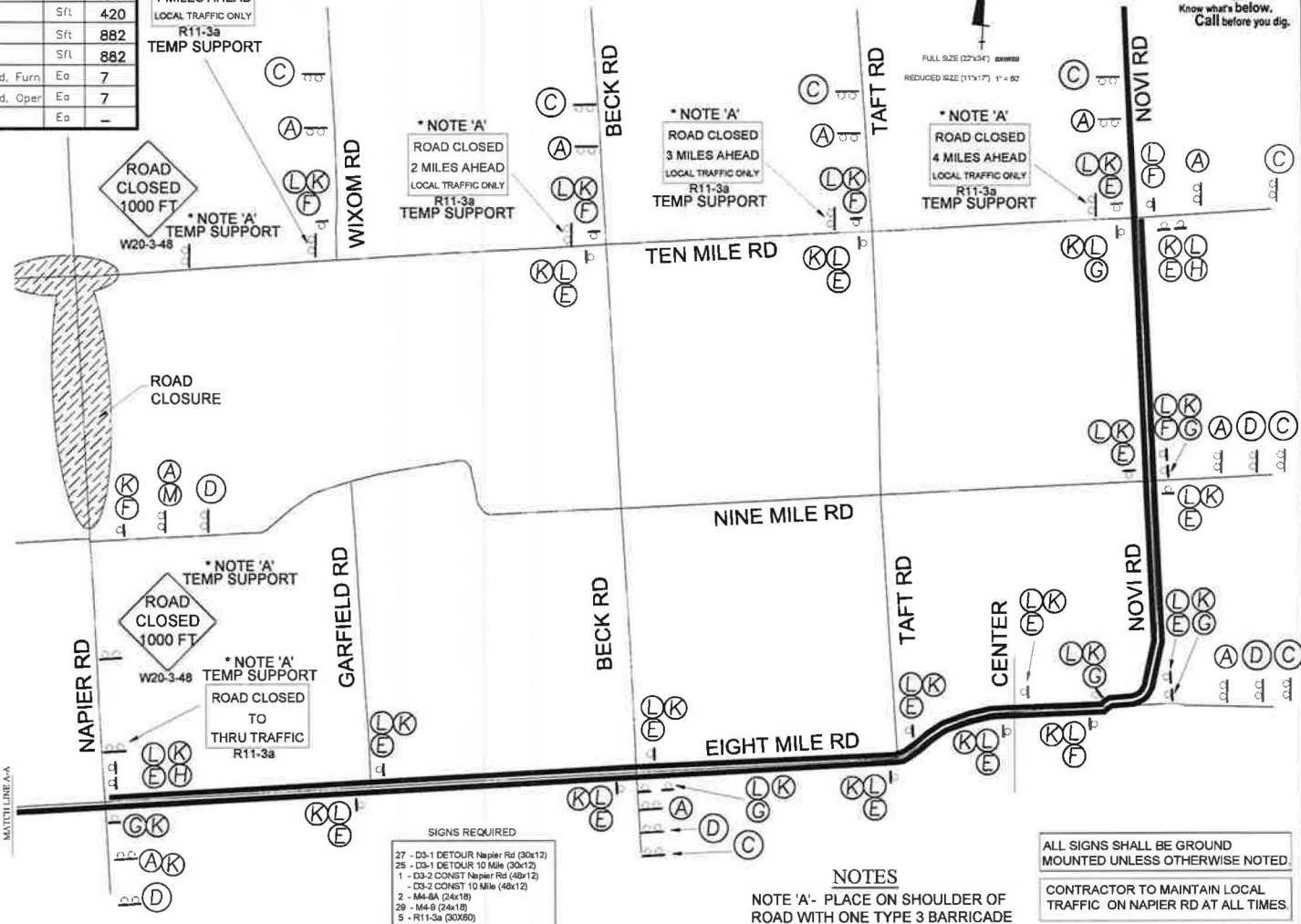
DETOUR (M4-9-30) **DETOUR ENDS** (M4-8A-24)

SPECIAL #1 (10 Mile Rd and Napier Rd Intersection Closed False Detour Starting XXX/XXX/XXX)

SPECIAL #2 (Napier Rd Closed 9 Mile to 10 Mile Follow Detour Starting XXX/XXX/XXX)

D3-1 Detour (Napier Rd) **D3-1 Detour** (10 Mile)

D3-1 Const (Napier Rd) **D3-1 Const** (10 Mile)



- SIGNS REQUIRED**
- 27 - D3-1 DETOUR Napier Rd (30x12)
 - 25 - D3-1 DETOUR 10 Mile (30x12)
 - 1 - D3-2 CONST Napier Rd (48x12)
 - 1 - D3-2 CONST 10 Mile (48x12)
 - 2 - M4-8A (24x18)
 - 28 - M4-9 (24x18)
 - 5 - R11-3a (30x60)
 - 10 - W20-2 (48x48)
 - 2 - W20-3 (48x48)
 - 8 - SPECIAL #1 (96x48)
 - 5 - SPECIAL #2 (96x48)

NOTES
 NOTE 'A' - PLACE ON SHOULDER OF ROAD WITH ONE TYPE 3 BARRICADE

ALL SIGNS SHALL BE GROUND MOUNTED UNLESS OTHERWISE NOTED.
 CONTRACTOR TO MAINTAIN LOCAL TRAFFIC ON NAPIER RD AT ALL TIMES.

See sign fabrication sheets for design of signs paid for by "Sign, Type B, Temp, Special"

	PROJECT NO. S2111	TS DETOUR 2	DESIGN PHASE
	DATE 01/20/2017	NAPIER ROAD 9 MILE ROAD TO 10 MILE ROAD	FINAL PLANS
			SHEET NO. 9 OF 155

PROJECT S2111 - NUMBER NAME TO IN ORDER: AN PRODUCTION MASTER PLAN: R11-3A DETOUR SIG. 21, 18, 14, 13, 10, 9

PROJECT NAME: NAPIER ROAD
 PROJECT NO. S2111
 CONTRACTOR: SECTION 10251A
 MOOT. JOB NO. 10251A
 PROJECT NAME: NAPIER ROAD
 PROJECT NO. S2111
 CONTRACTOR: SECTION 10251A
 MOOT. JOB NO. 10251A

