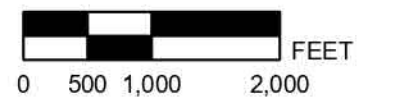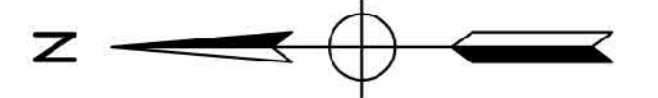# PART 31 PERMIT APPLICATION
SANFORD DAM INTERIM STABILIZATION INUNDATION MAPPING

MIDLAND COUNTY, MICHIGAN
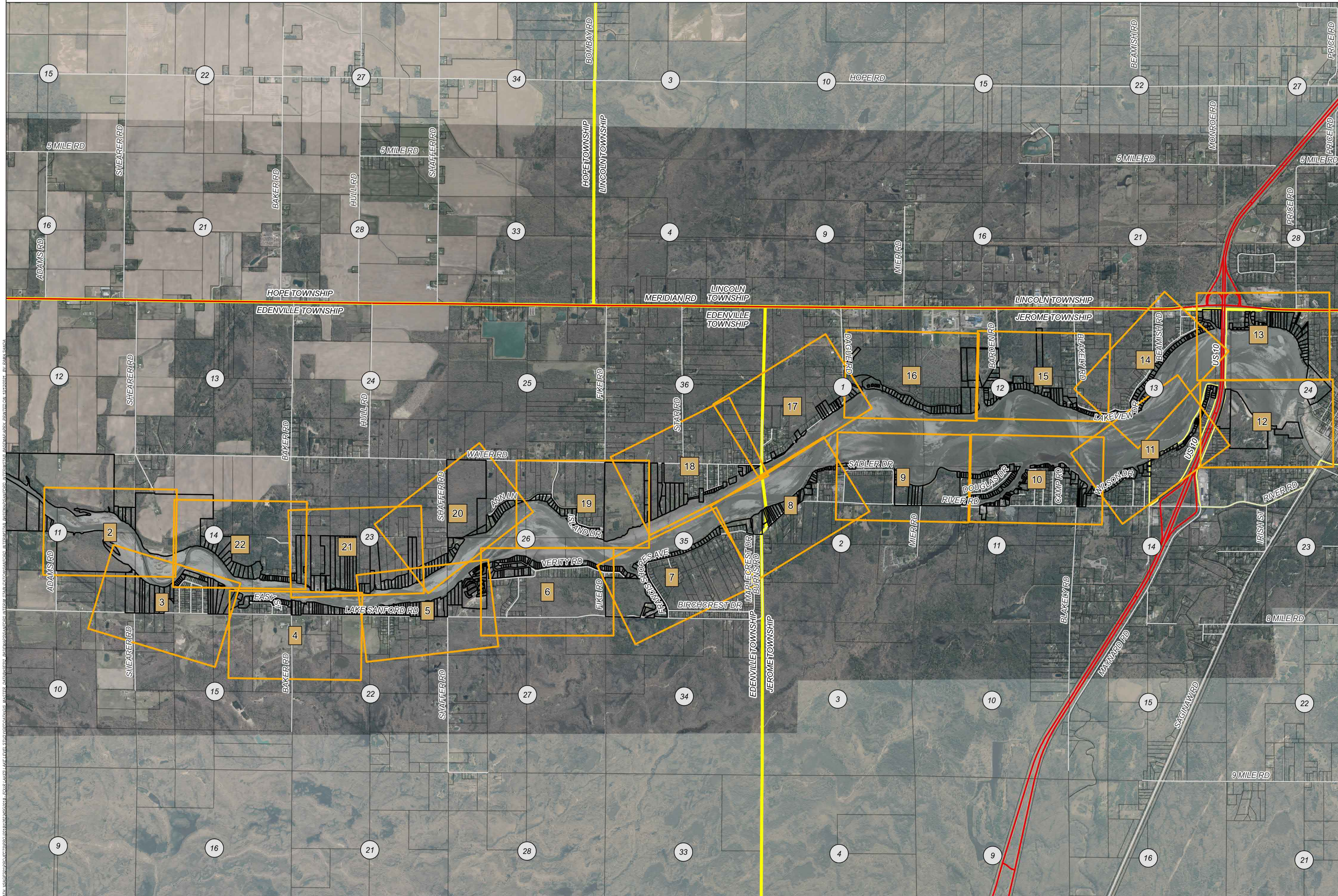
FEET
0 500 1,000 2,000

LEGEND

- LAKEFRONT PARCELS (FROM MIDLAND GIS)
- MIDLAND GIS PARCELS
- STATE ROADS
- COUNTY ROADS
- VILLAGE BOUNDARY
- MUNICIPALITY BOUNDARY
- # SECTION

Road labels: BOMBAY RD, HOPE RD, BEAMISH RD, PRICE RD, PRICE RD, 5 MILE RD, SHEARER RD, BAKER RD, HULL RD, SHAFFER RD, HOPE TOWNSHIP, LINCOLN TOWNSHIP, MIER RD, MONROE RD, 5 MILE RD, ADAMS RD, MERIDIAN RD, LINCOLN TOWNSHIP, EDENVILLE TOWNSHIP, EDENVILLE TOWNSHIP, JEROME TOWNSHIP, BLAKELY RD, BEAMISH RD, US 10, FIKE RD, STAR RD, DAGUE RD, BARDEN RD, LAKEVIEW DR, WATER RD, ANN LN, ISLAND DR, SADLER DR, DOUGLAS DR, CAMP RD, NILSON DR, RIVER RD, VERITY RD, FRENCH SHORES AVE, BIRCHCREST DR, MAPLECREST DR, BURNS RD, SHAFFER RD, ADAMS RD, SHEARER RD, BAKER RD, LAKE SANFORD RD, EASY ST, MIER RD, MANNER RD, IRISH ST, RIVER RD, 8 MILE RD, SAGINAW RD, 9 MILE RD, HOPE TOWNSHIP, EDENVILLE TOWNSHIP

Section numbers (circled): 15, 22, 27, 34, 3, 10, 15, 22, 27, 16, 21, 28, 33, 4, 9, 16, 21, 28, 12, 13, 24, 25, 36, 24, 14, 22, 23, 26, 35, 2, 11, 11, 10, 15, 22, 27, 34, 3, 10, 15, 22, 9, 16, 21, 28, 33, 4, 9, 16, 21

Parcel numbers (orange boxes): 13, 14, 15, 16, 12, 11, 1, 17, 18, 9, 10, 8, 19, 20, 21, 7, 6, 5, 4, 3, 2, 22, 24, 12

PART 31 PERMIT APPLICATION
SANFORD DAM INTERIM STABILIZATION INUNDATION MAPPING

EDENVILLE TOWNSHIP, MIDLAND COUNTY, MICHIGAN

FEET
0   75   150   300

LEGEND

- ● POINTS OF INTEREST
- # PARCEL REFERENCE NUMBER (REFER TO PROPERTY OWNERSHIP SPREADSHEET)
- – – – INTERIM STABILIZATION BOUNDARY
- – – – POST FLOOD 100 YR BOUNDARY
- – – – BASELINE 100 YR BOUNDARY (FEMA)
- – – – LEGAL LAKE LEVEL @ 630.8 FT
- – – – FLOWAGE RIGHTS CONTOUR @ 638.2 FT
- ——— MODEL LIMITS
- ∿ ELEVATION REFERENCE LINE (FEMA ELEV / INTERIM STABILIZATION ELEV)
- BUILDING FOOTPRINTS
- LAKEFRONT PARCELS (FROM MIDLAND GIS)
- MIDLAND GIS PARCELS
- ——— STATE ROADS
- ——— COUNTY ROADS
- ——— LOCAL ROADS
- VILLAGE BOUNDARY
- MUNICIPALITY BOUNDARY
- Ⓝ SECTION

Labels on map: NEINER RD, ADAMS RD, MODEL LIMITS, 11, 101, 102, 103, 104, 105, 106, 107, 108, 109
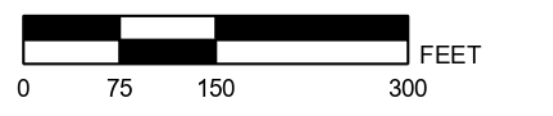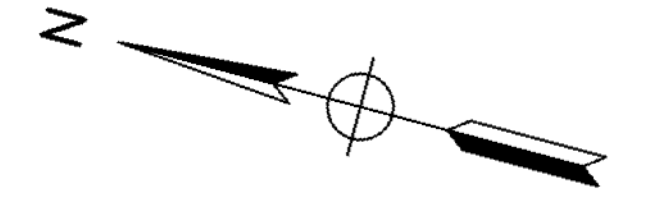
PART 31 PERMIT APPLICATION
SANFORD DAM INTERIM STABILIZATION INUNDATION MAPPING

EDENVILLE TOWNSHIP, MIDLAND COUNTY, MICHIGAN

AREA MAP
NOT TO SCALE

FEET
0   75   150   300

LEGEND

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- COUNTY ROADS
- LOCAL ROADS
- VILLAGE BOUNDARY
- MUNICIPALITY BOUNDARY
- # SECTION

Map labels: LAKE DR, INGHAM DR, GENESSEE DR, TELEGRAPH ST, LAKE SANFORD RD, SHEARER RD, WINSLER BLVD

PART 31 PERMIT APPLICATION
SANFORD DAM INTERIM STABILIZATION INUNDATION MAPPING

EDENVILLE TOWNSHIP, MIDLAND COUNTY, MICHIGAN

AREA MAP
NOT TO SCALE

FEET
0   75   150   300

LEGEND

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- COUNTY ROADS
- LOCAL ROADS
- VILLAGE BOUNDARY
- MUNICIPALITY BOUNDARY
- # SECTION

RKS	EGLE	BASED ON COMMENTS FROM EGLE ON 12/09/2021	12/09/2021
BY	MARK	REVISIONS	DATE

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SANFORD DAM - INTERIM STABILIZATION
MIDLAND COUNTY, MICHIGAN

SANFORD DAM - INTERIM STABILIZATION
EGLE PART 31 PERMIT APPLICATION

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DE. BY: RKS	CH. BY: WTM	PROJECT NO.
DR. BY: RKS	APP. BY: RBH	126234SG2018

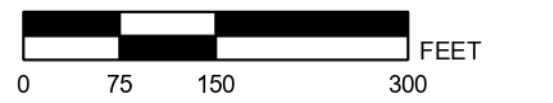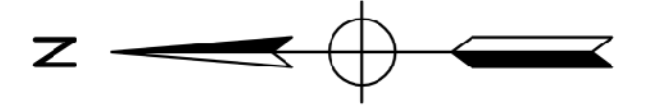| STDS.	SHEET 4 OF 22	FILE NO.	DR 4
DATE: DECEMBER 2021		DR-4232	
SCALE: AS SHOWN			

PART 31 PERMIT APPLICATION
SANFORD DAM INTERIM STABILIZATION INUNDATION MAPPING

EDENVILLE TOWNSHIP, MIDLAND COUNTY, MICHIGAN

LEGEND

- ⬤ POINTS OF INTEREST
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- VILLAGE BOUNDARY
- MUNICIPALITY BOUNDARY
- # SECTION

Text on map:

LOCATION OF 0.0' INCREMENTAL RISE BETWEEN 100-YR POST-FLOOD & INTERIM STABILIZATION INUNDATION BOUNDARY

LOCATION WHERE THE POST-FLOOD 100YR INUNDATION BOUNDARY EXCEEDS THE LEGAL LAKE LEVEL

MARSH DR
SHAFFER RD
LAKE SANFORD RD

FEET
0   75   150   300

PART 31 PERMIT APPLICATION
SANFORD DAM INTERIM STABILIZATION INUNDATION MAPPING

EDENVILLE TOWNSHIP, MIDLAND COUNTY, MICHIGAN

FEET
0   75   150   300

LEGEND

- ● POINTS OF INTEREST
- ▢ PARCEL REFERENCE NUMBER (REFER TO PROPERTY OWNERSHIP SPREADSHEET)
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- ▢ LAKEFRONT PARCELS (FROM MIDLAND GIS)
- ▢ MIDLAND GIS PARCELS
- — STATE ROADS
- — COUNTY ROADS
- — LOCAL ROADS
- ▢ VILLAGE BOUNDARY
- ▢ MUNICIPALITY BOUNDARY
- ▢# SECTION

Roads labeled on map: FLINT RD, VERITY RD, WALTER RD, FIKE RD, LAKE SANFORD RD

BY	MARK	REVISIONS	DATE
RKS	EGLE	BASED ON COMMENTS FROM EGLE ON 12/09/2021	12/09/2021

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SANFORD DAM - INTERIM STABILIZATION
MIDLAND COUNTY, MICHIGAN

SANFORD DAM - INTERIM STABILIZATION
EGLE PART 31 PERMIT APPLICATION

DE. BY: RKS	CH. BY: WTM
DR. BY: RKS	APP. BY: RBH

PROJECT NO.
126234SG2018

STDS.

DATE: DECEMBER 2021
SCALE: AS SHOWN

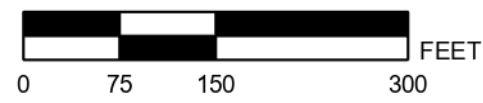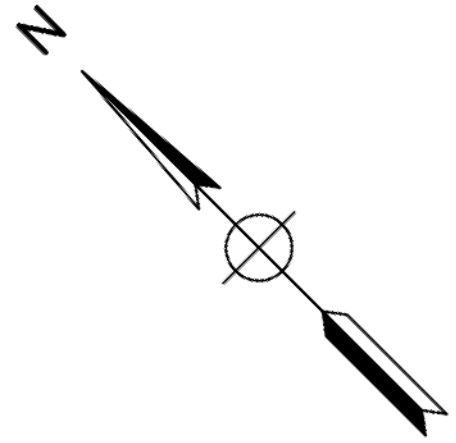SHEET 6 OF 22
FILE NO. DR-4232

DR 6

PART 31 PERMIT APPLICATION
SANFORD DAM INTERIM STABILIZATION INUNDATION MAPPING

EDENVILLE TOWNSHIP, MIDLAND COUNTY, MICHIGAN

AREA MAP
NOT TO SCALE

N

FEET
0   75   150   300

LEGEND

- ⦿ POINTS OF INTEREST
- # PARCEL REFERENCE NUMBER (REFER TO PROPERTY OWNERSHIP SPREADSHEET)
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BY	MARK	REVISIONS	DATE
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SANFORD DAM - INTERIM STABILIZATION
MIDLAND COUNTY, MICHIGAN

SANFORD DAM - INTERIM STABILIZATION
EGLE PART 31 PERMIT APPLICATION

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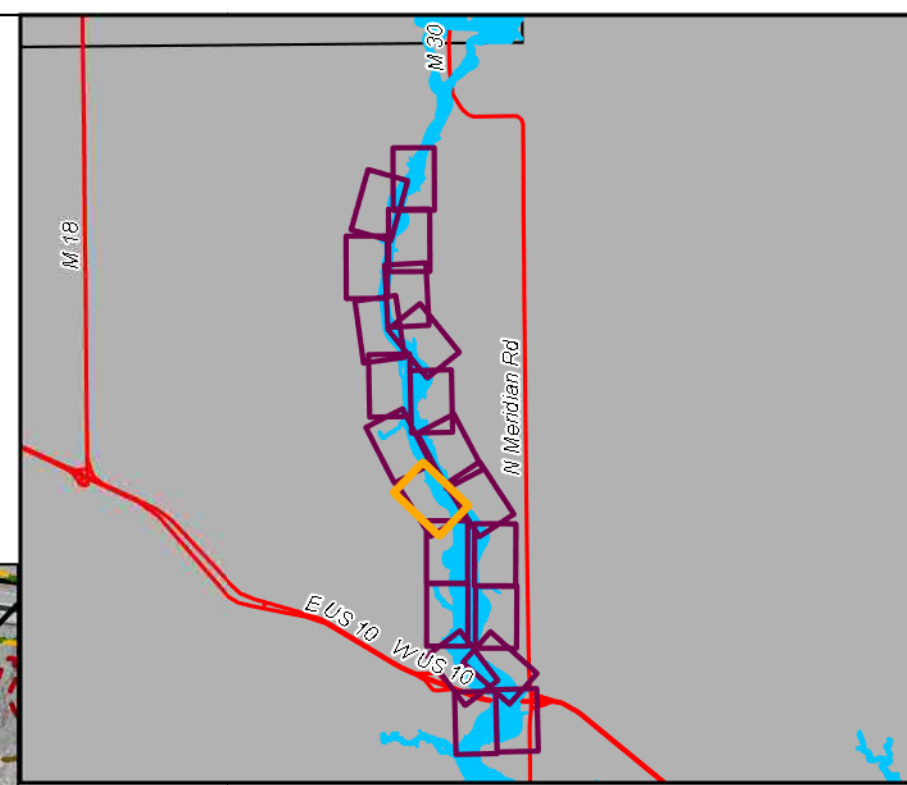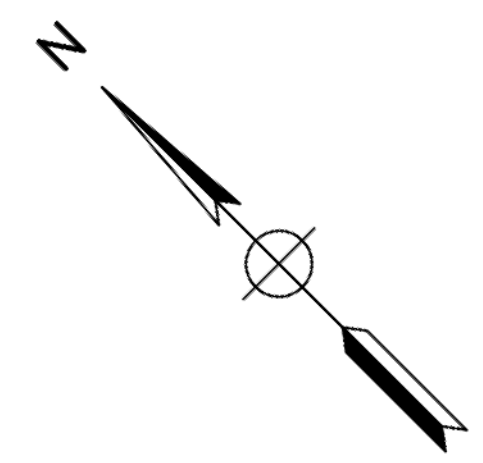| DE. BY: RKS | CH. BY: WTM | PROJECT NO. | |
DR. BY: RKS	APP. BY: RBH	126234SG2018	
STDS.		SHEET 7 OF 22	DR
DATE: DECEMBER 2021		FILE NO.	7
SCALE: AS SHOWN		DR-4232	

PART 31 PERMIT APPLICATION
SANFORD DAM INTERIM STABILIZATION INUNDATION MAPPING

EDENVILLE / JEROME TOWNSHIP, MIDLAND COUNTY, MICHIGAN

AREA MAP
NOT TO SCALE

N

0 75 150 300 FEET

LEGEND

- ● POINTS OF INTEREST
- [#] PARCEL REFERENCE NUMBER (REFER TO PROPERTY OWNERSHIP SPREADSHEET)
- — — — INTERIM STABILIZATION BOUNDARY
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- ——— COUNTY ROADS
- ——— LOCAL ROADS
- ▭ VILLAGE BOUNDARY
- ▭ MUNICIPALITY BOUNDARY
- (#) SECTION

PART 31 PERMIT APPLICATION
SANFORD DAM INTERIM STABILIZATION INUNDATION MAPPING

JEROME TOWNSHIP, MIDLAND COUNTY, MICHIGAN

FEET
0   75   150   300

LEGEND

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- # PARCEL REFERENCE NUMBER (REFER TO PROPERTY OWNERSHIP SPREADSHEET)
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SANFORD DAM - INTERIM STABILIZATION
MIDLAND COUNTY, MICHIGAN

SANFORD DAM - INTERIM STABILIZATION
EGLE PART 31 PERMIT APPLICATION

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DE. BY: RKS	CH. BY: WTM	PROJECT NO.
DR. BY: RKS	APP. BY: RBH	126234SG2018

STDS.	SHEET 9 OF 22	DR
DATE: DECEMBER 2021	FILE NO.	9
SCALE: AS SHOWN	DR-4232	

Road labels: SADLER DR, LYNTHUR LN, FRANCIS RD, BAILEY RD, LAKESIDE DR, SAXTON RD, DOUGLAS DR, MIER RD, RIVER RD
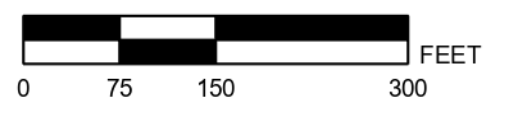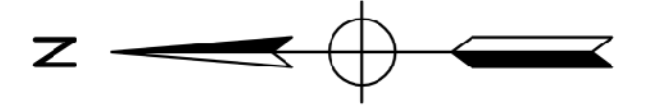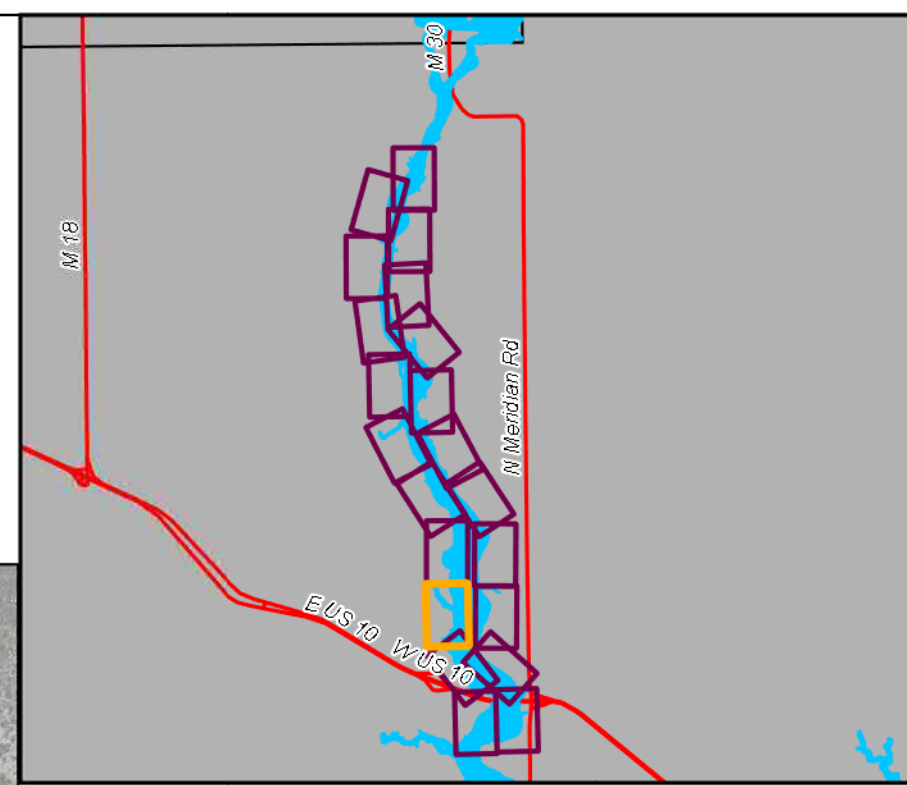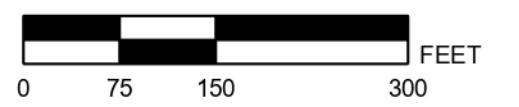
PART 31 PERMIT APPLICATION
SANFORD DAM INTERIM STABILIZATION INUNDATION MAPPING

JEROME TOWNSHIP, MIDLAND COUNTY, MICHIGAN

AREA MAP
NOT TO SCALE

FEET
0   75   150   300

LEGEND

- ● POINTS OF INTEREST
- # PARCEL REFERENCE NUMBER (REFER TO PROPERTY OWNERSHIP SPREADSHEET)
- - - - INTERIM STABILIZATION BOUNDARY
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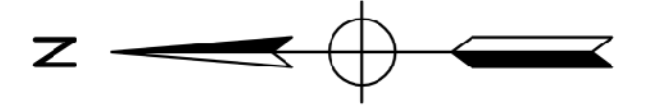- VILLAGE BOUNDARY
- MUNICIPALITY BOUNDARY
- # SECTION

PART 31 PERMIT APPLICATION
SANFORD DAM INTERIM STABILIZATION INUNDATION MAPPING

JEROME TOWNSHIP, MIDLAND COUNTY, MICHIGAN

AREA MAP
NOT TO SCALE

FEET
0   75   150   300

LEGEND

- ● POINTS OF INTEREST
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RKS	EGLE	BASED ON COMMENTS FROM EGLE ON 12/09/2021	12/09/2021
BY	MARK	REVISIONS	DATE

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SANFORD DAM - INTERIM STABILIZATION
MIDLAND COUNTY, MICHIGAN

SANFORD DAM - INTERIM STABILIZATION
EGLE PART 31 PERMIT APPLICATION

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DE. BY: RKS	CH. BY: WTM	PROJECT NO.
DR. BY: RKS	APP. BY: RBH	126234SG2018

STDS.	SHEET 11 OF 22	DR
DATE: DECEMBER 2021	FILE NO.	11
SCALE: AS SHOWN	DR-4232	

AREA MAP
NOT TO SCALE

N

FEET
0   75   150   300

LEGEND

- ● POINTS OF INTEREST
- # PARCEL REFERENCE NUMBER (REFER TO PROPERTY OWNERSHIP SPREADSHEET)
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- ——— LOCAL ROADS
- ——— VILLAGE BOUNDARY
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- # SECTION

AREA MAP
NOT TO SCALE

N

0   75   150   300   FEET

LEGEND

- ⬤ POINTS OF INTEREST
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- —— MUNICIPALITY BOUNDARY
- # SECTION

Map labels: MERIDIAN RD, LINCOLN TOWNSHIP, JEROME TOWNSHIP, PRICE RD, LAKEVIEW DR, US 10

Parcel reference numbers visible include: 1243, 1242, 1241, 1240, 1239, 1244, 1245, 1246, 1247, 1248, 1249, 1250, 1252, 1253, 1254, 1255, 1238, 1237, 1234, 1233, 1232, 1235, 1236, 1231, 1230, 1229, 1228, 1227, 1226, 1225, 1224, 1223, 1222, 1221, 1220, 1219, 1218, 1217, 1216, 1215, 1214, 1213, 1212, 1211, 1210, 1209, 1208, 1207, 1206, 1205, 1204, 1203, 1202, 1201, 1200

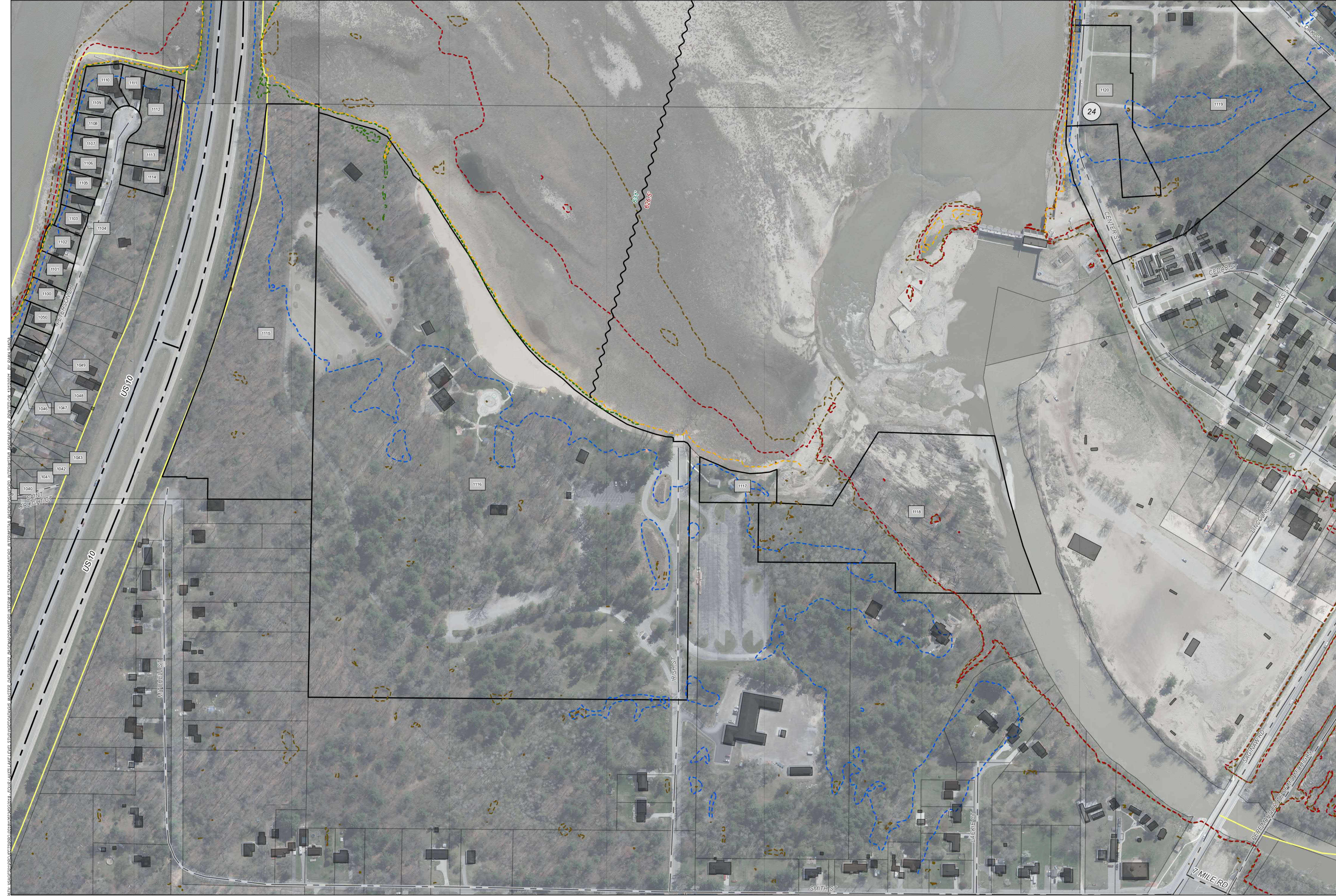| RKS | EGLE | BASED ON COMMENTS FROM EGLE ON 12/09/2021 | 12/09/2021 |
| BY | MARK | REVISIONS | DATE |

SANFORD DAM - INTERIM STABILIZATION
MIDLAND COUNTY, MICHIGAN

SANFORD DAM - INTERIM STABILIZATION
EGLE PART 31 PERMIT APPLICATION

| DE. BY: RKS | CH. BY: WTM | PROJECT NO. |
| DR. BY: RKS | APP. BY: RBH | 126234SG2018 |

STDS.	SHEET 13 OF 22	DR
DATE: DECEMBER 2021	FILE NO.	13
SCALE: AS SHOWN	DR-4232	

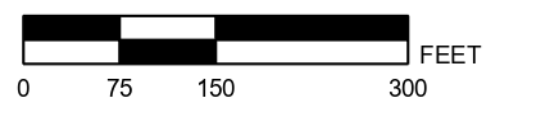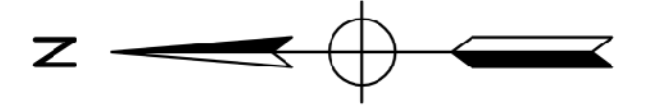# PART 31 PERMIT APPLICATION
SANFORD DAM INTERIM STABILIZATION INUNDATION MAPPING

JEROME TOWNSHIP, MIDLAND COUNTY, MICHIGAN

AREA MAP
NOT TO SCALE

FEET
0   75   150   300

LEGEND

- ● POINTS OF INTEREST
- # PARCEL REFERENCE NUMBER (REFER TO PROPERTY OWNERSHIP SPREADSHEET)
- INTERIM STABILIZATION BOUNDARY
- POST FLOOD 100 YR BOUNDARY
- BASELINE 100 YR BOUNDARY (FEMA)
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- FLOWAGE RIGHTS CONTOUR @ 638.2 FT
- MODEL LIMITS
- ELEVATION REFERENCE LINE (FEMA ELEV / INTERIM STABILIZATION ELEV)
- BUILDING FOOTPRINTS
- LAKEFRONT PARCELS (FROM MIDLAND GIS)
- MIDLAND GIS PARCELS
- STATE ROADS
- COUNTY ROADS
- LOCAL ROADS
- VILLAGE BOUNDARY
- MUNICIPALITY BOUNDARY
- # SECTION

RKS	EGLE	BASED ON COMMENTS FROM EGLE ON 12/09/2021	12/09/2021
BY	MARK	REVISIONS	DATE

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SANFORD DAM - INTERIM STABILIZATION
MIDLAND COUNTY, MICHIGAN

SANFORD DAM - INTERIM STABILIZATION
EGLE PART 31 PERMIT APPLICATION

Spicer group
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230 S. Washington Ave,
Saginaw, MI 48607
Tel 989-754-4717
www.SpicerGroup.com

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STDS.	SHEET 14 OF 22	DR
DATE: DECEMBER 2021	FILE NO.	14
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PART 31 PERMIT APPLICATION
SANFORD DAM INTERIM STABILIZATION INUNDATION MAPPING

JEROME TOWNSHIP, MIDLAND COUNTY, MICHIGAN

FEET
0   75   150   300

LEGEND

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MIDLAND COUNTY, MICHIGAN

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EGLE PART 31 PERMIT APPLICATION

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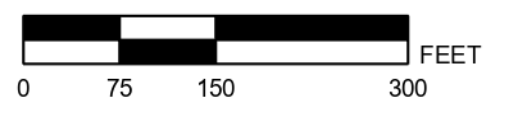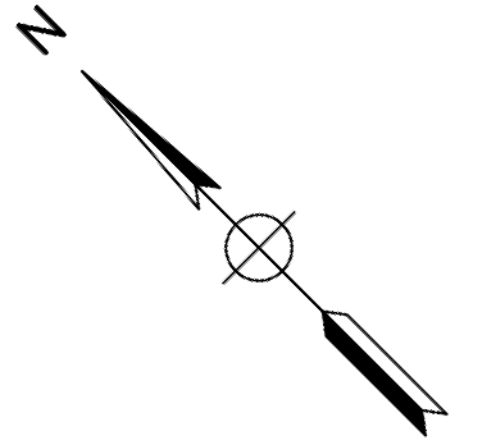| STDS.	SHEET 15 OF 22	DR
DATE: DECEMBER 2021	FILE NO.	15
SCALE: AS SHOWN	DR-4232	

DR-4232

PART 31 PERMIT APPLICATION
SANFORD DAM INTERIM STABILIZATION INUNDATION MAPPING

JEROME TOWNSHIP, MIDLAND COUNTY, MICHIGAN

AREA MAP
NOT TO SCALE

FEET
0 75 150 300

LEGEND

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- # SECTION

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MIDLAND COUNTY, MICHIGAN

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EGLE PART 31 PERMIT APPLICATION

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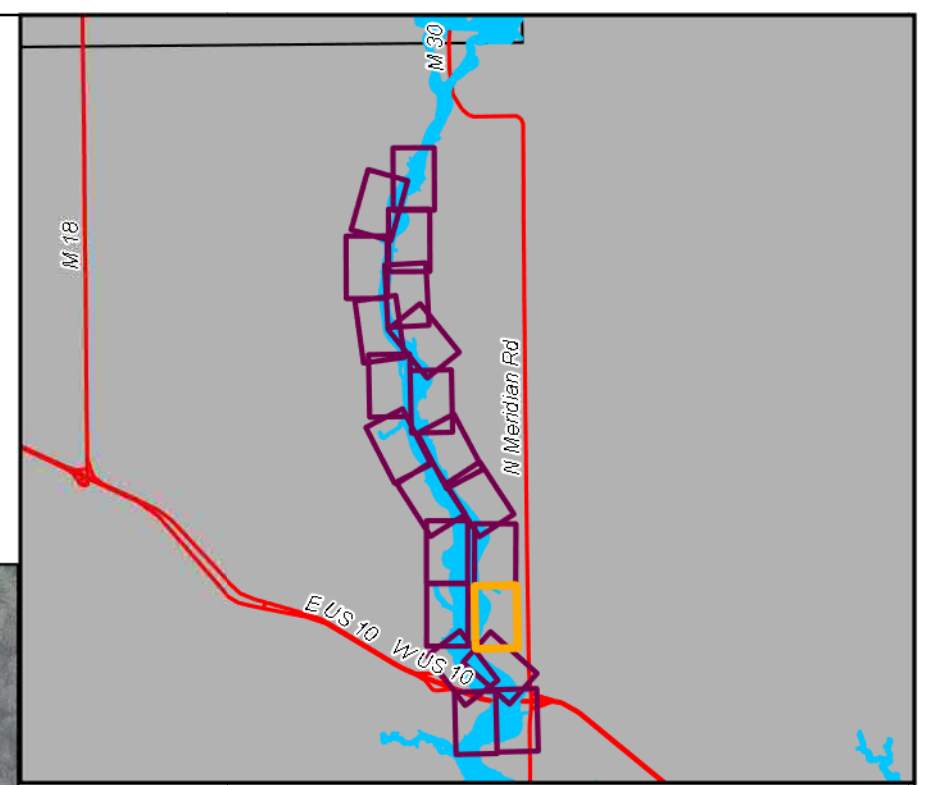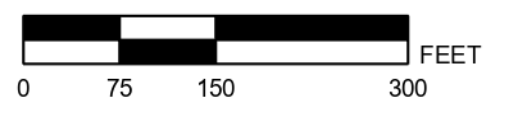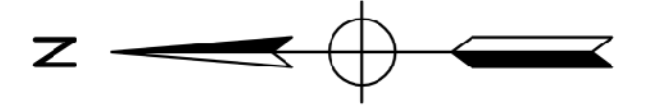Saginaw, MI 48607
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| DR. BY: RKS | APP. BY: RBH | 126234SG2018 |

STDS.	SHEET 16 OF 22	DR
DATE: DECEMBER 2021	FILE NO.	16
SCALE: AS SHOWN	DR-4232	

AREA MAP
NOT TO SCALE

N

FEET
0   75   150   300

LEGEND

- ⊙ POINTS OF INTEREST
- [#] PARCEL REFERENCE NUMBER (REFER TO PROPERTY OWNERSHIP SPREADSHEET)
- — — — INTERIM STABILIZATION BOUNDARY
- — — — POST FLOOD 100 YR BOUNDARY
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- ■ BUILDING FOOTPRINTS
- ▢ LAKEFRONT PARCELS (FROM MIDLAND GIS)
- ▢ MIDLAND GIS PARCELS
- —— STATE ROADS
- —— COUNTY ROADS
- —— LOCAL ROADS
- ▢ VILLAGE BOUNDARY
- ▢ MUNICIPALITY BOUNDARY
- [#] SECTION

RKS	EGLE	BASED ON COMMENTS FROM EGLE ON 12/09/2021	12/09/2021
BY	MARK	REVISIONS	DATE

The work represented by this drawing was designed by the engineer for this specific application and specific location described herein in accordance with the conditions prevalent at the time the design was done. The engineer does not guarantee and will not be liable for any other location, condition, design or purpose.

SANFORD DAM - INTERIM STABILIZATION
MIDLAND COUNTY, MICHIGAN

SANFORD DAM - INTERIM STABILIZATION
EGLE PART 31 PERMIT APPLICATION

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126234SG2018

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SHEET 17 OF 22

DR 17

DATE: DECEMBER 2021
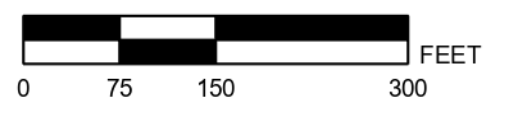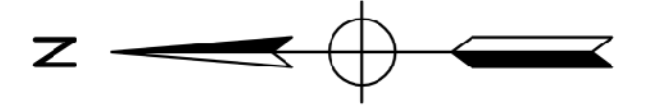SCALE: AS SHOWN

FILE NO.
DR-4232

PART 31 PERMIT APPLICATION
SANFORD DAM INTERIM STABILIZATION INUNDATION MAPPING

EDENVILLE TOWNSHIP, MIDLAND COUNTY, MICHIGAN

AREA MAP
NOT TO SCALE

N

FEET
0   75   150   300

LEGEND

- ● POINTS OF INTEREST
- # PARCEL REFERENCE NUMBER (REFER TO PROPERTY OWNERSHIP SPREADSHEET)
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- # SECTION

STAR RD
WATER RD
MARGARET ST
MYRTLE ST

EDENVILLE TOWNSHIP
JEROME TOWNSHIP

RKS	EGLE	BASED ON COMMENTS FROM EGLE ON 12/09/2021	12/09/2021
BY	MARK	REVISIONS	DATE

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SANFORD DAM - INTERIM STABILIZATION
MIDLAND COUNTY, MICHIGAN

SANFORD DAM - INTERIM STABILIZATION
EGLE PART 31 PERMIT APPLICATION

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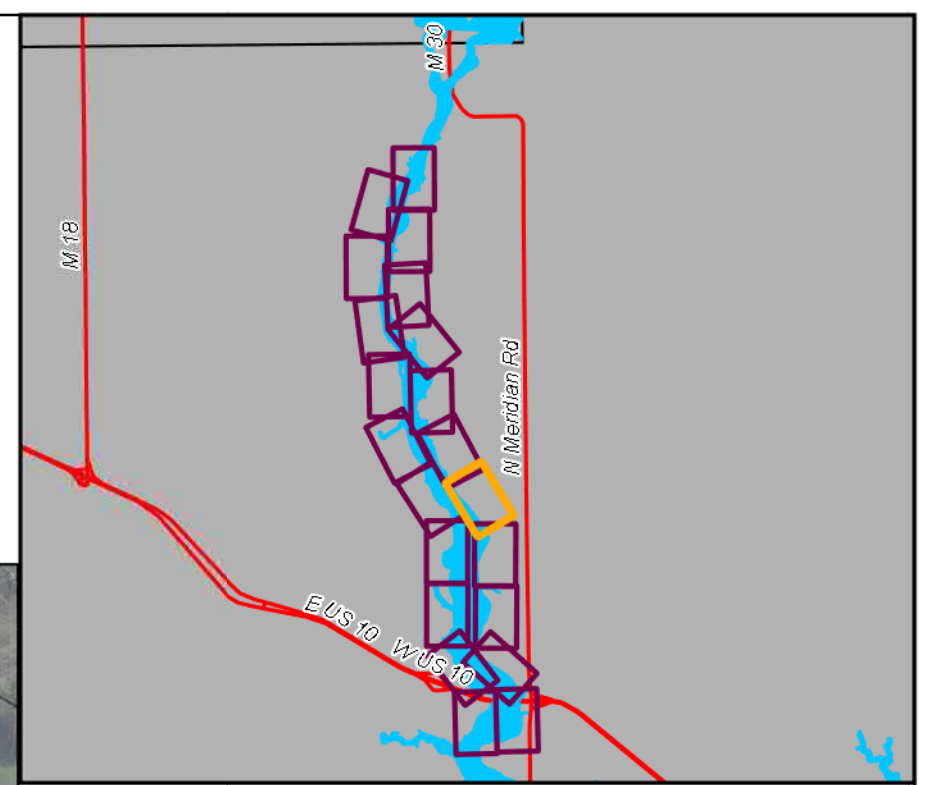Saginaw, MI 48607
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SHEET 18 OF 22	DR
DATE: DECEMBER 2021	FILE NO.	18
SCALE: AS SHOWN	DR-4232	

AREA MAP
NOT TO SCALE

FEET
0   75   150   300

LEGEND

- ⬤ POINTS OF INTEREST
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BY	MARK	REVISIONS	DATE

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SANFORD DAM - INTERIM STABILIZATION
MIDLAND COUNTY, MICHIGAN

SANFORD DAM - INTERIM STABILIZATION
EGLE PART 31 PERMIT APPLICATION

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STDS.	SHEET 19 OF 22	DR
DATE: DECEMBER 2021	FILE NO.	19
SCALE: AS SHOWN	DR-4232	

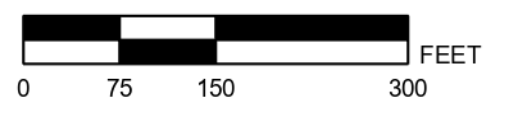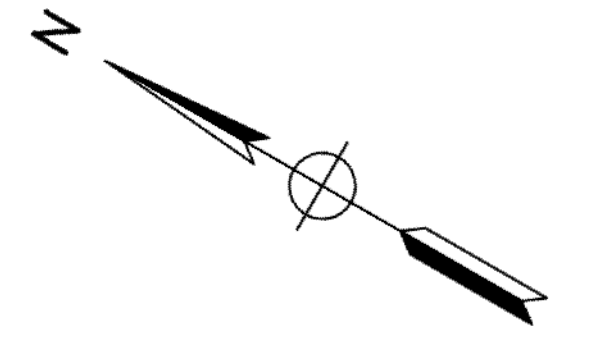# PART 31 PERMIT APPLICATION
SANFORD DAM INTERIM STABILIZATION INUNDATION MAPPING

EDENVILLE TOWNSHIP, MIDLAND COUNTY, MICHIGAN

AREA MAP
NOT TO SCALE

FEET
0   75   150   300

LEGEND

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- # SECTION

LOCATION WHERE
THE POST FLOOD
100YR INUNDATION
BOUNDARY EXCEEDS
THE LEGAL LAKE LEVEL

RKS	EGLE	BASED ON COMMENTS FROM EGLE ON 12/09/2021	12/09/2021
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MIDLAND COUNTY, MICHIGAN

SANFORD DAM - INTERIM STABILIZATION
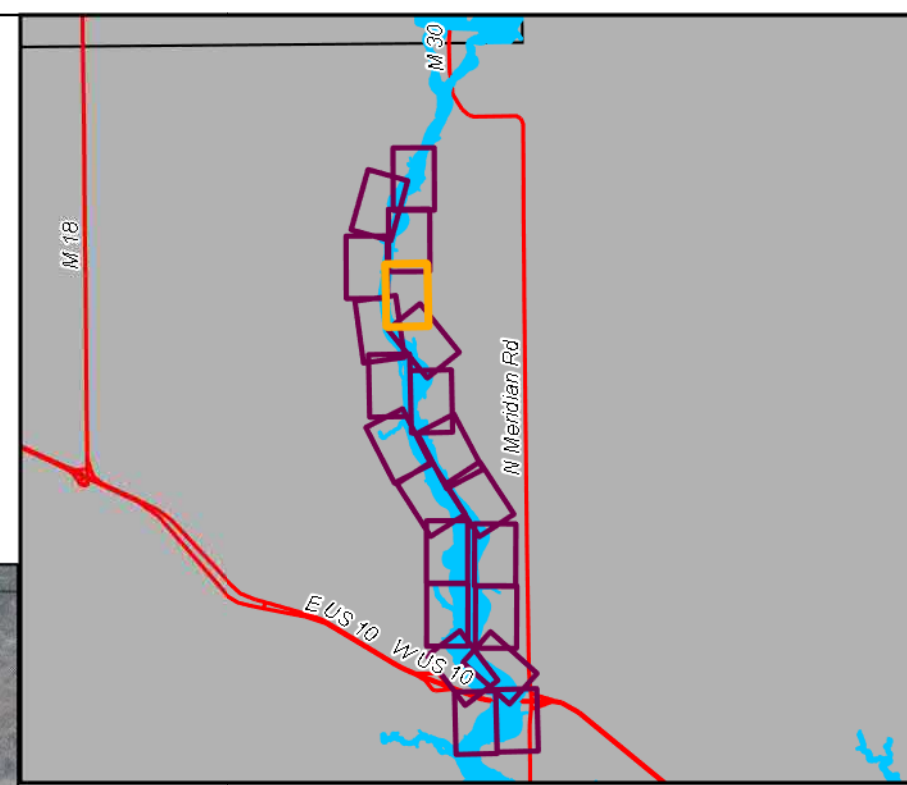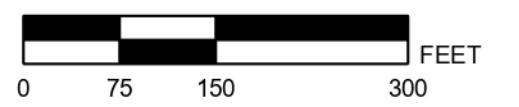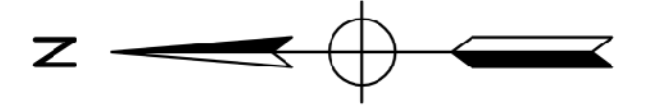*EGLE PART 31 PERMIT APPLICATION*

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STDS.	SHEET 20 OF 22		DR
DATE: DECEMBER 2021	FILE NO.		20
SCALE: AS SHOWN	DR-4232		

AREA MAP
NOT TO SCALE

FEET
0   75   150   300

LEGEND

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MIDLAND COUNTY, MICHIGAN

SANFORD DAM - INTERIM STABILIZATION
EGLE PART 31 PERMIT APPLICATION

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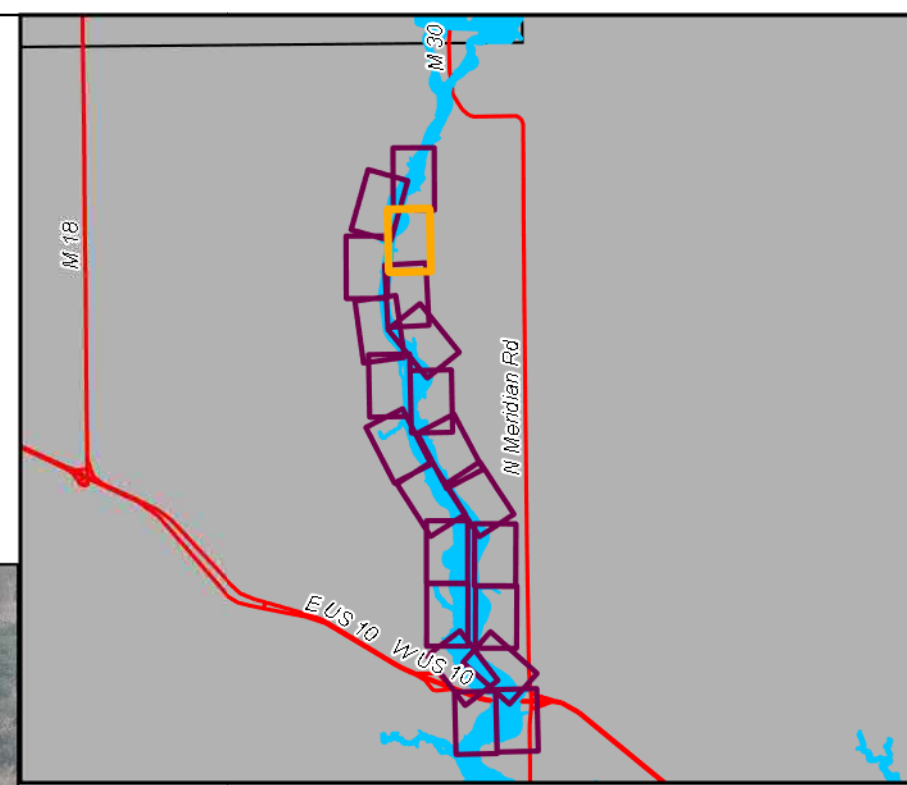Saginaw, MI 48607
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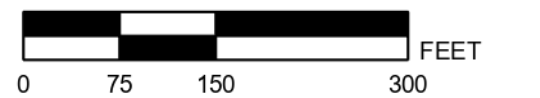| STDS.	SHEET 21 OF 22	DR
DATE: DECEMBER 2021	FILE NO.	21
SCALE: AS SHOWN	DR-4232	

PART 31 PERMIT APPLICATION
SANFORD DAM INTERIM STABILIZATION INUNDATION MAPPING

EDENVILLE TOWNSHIP, MIDLAND COUNTY, MICHIGAN

AREA MAP
NOT TO SCALE

FEET
0   75   150   300

LEGEND

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STDS.	SHEET 22 OF 22	DR
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SCALE: AS SHOWN	DR-4232	