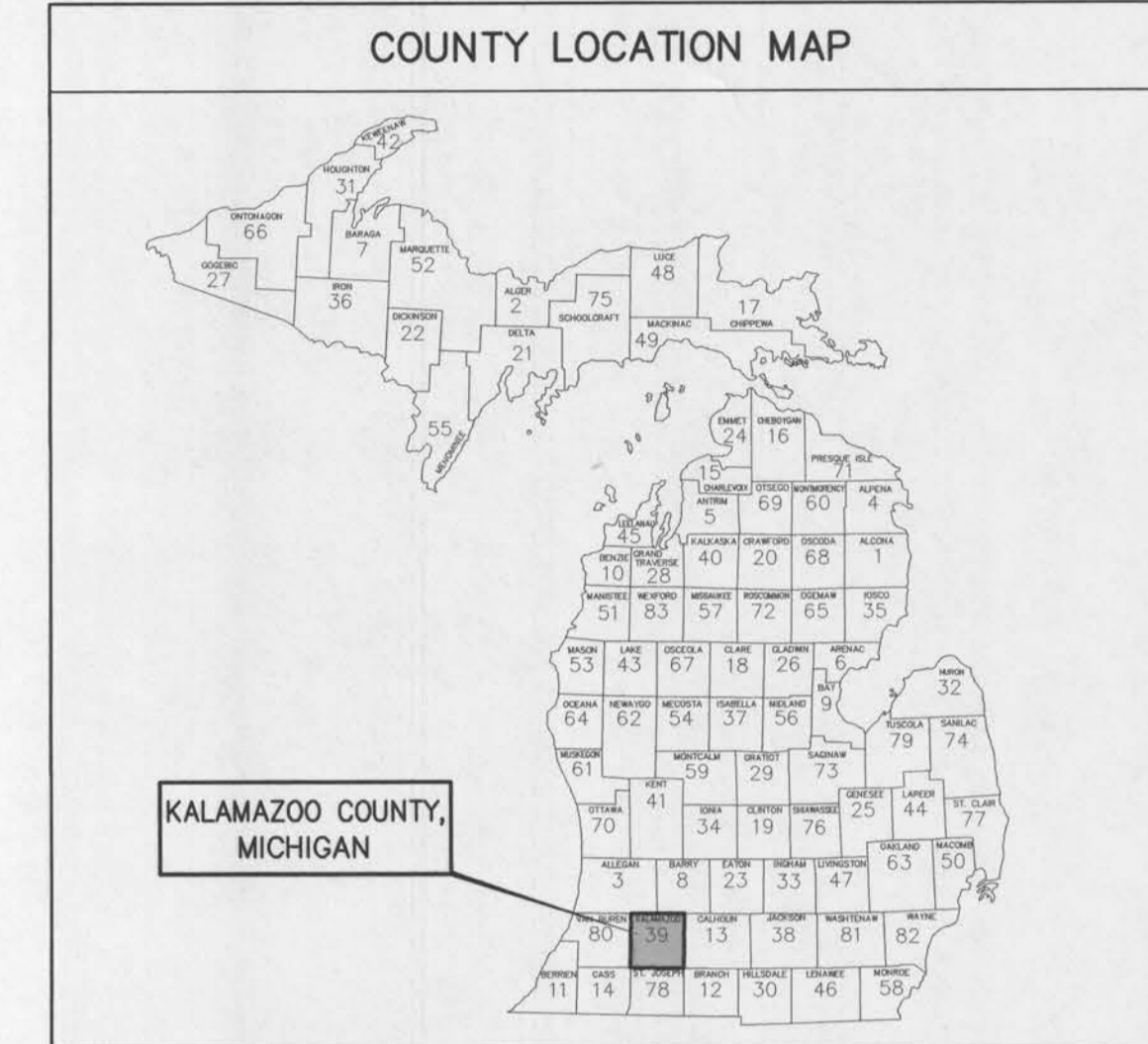
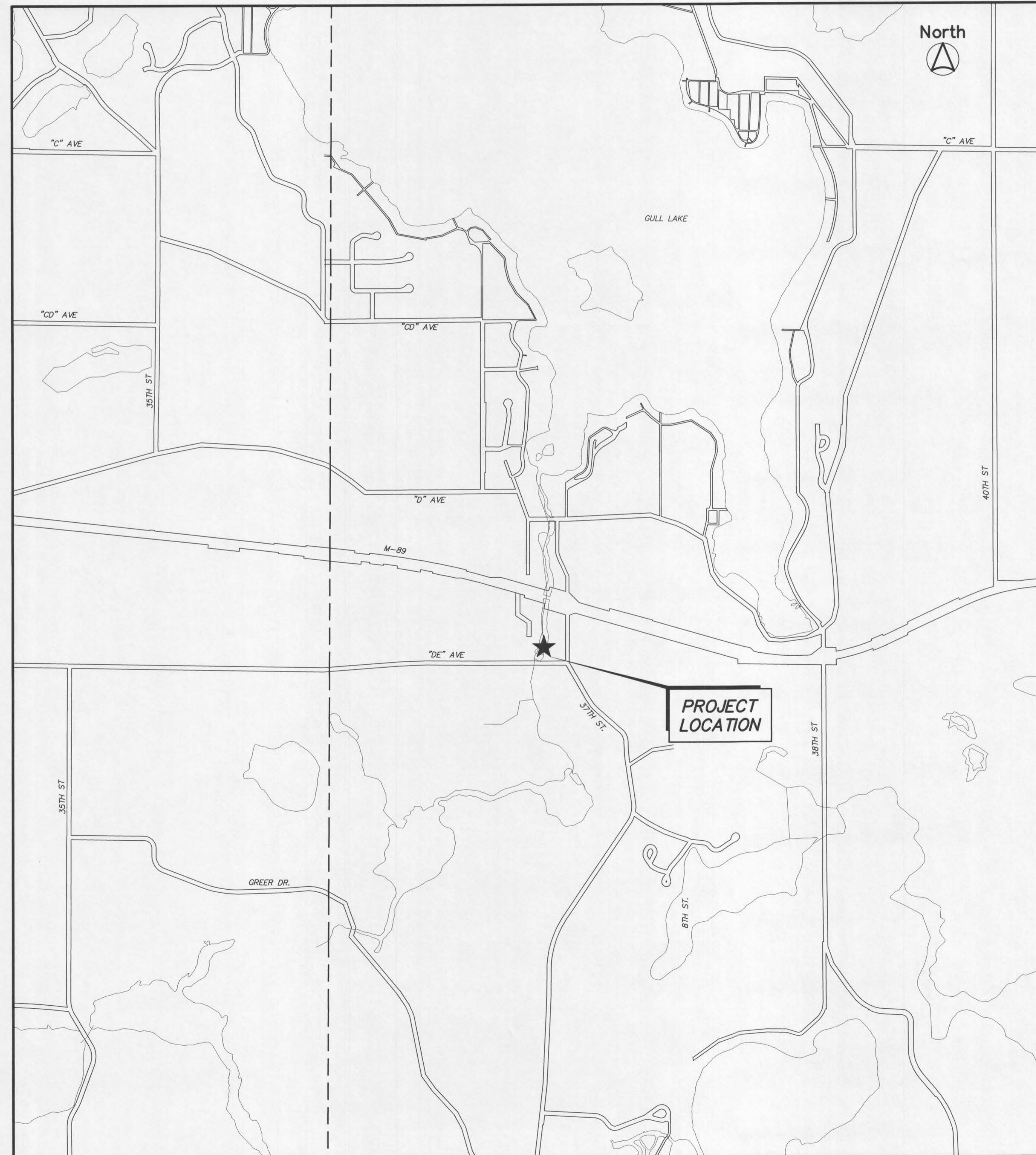


# GULL LAKE DAM ASSOCIATION

ROSS TOWNSHIP, KALAMAZOO COUNTY, MICHIGAN  
SECTION 19, TOWNSHIP 01 SOUTH, RANGE 09 WEST

# GULL LAKE DAM IMPROVEMENTS

## GULL LAKE DAM (NO. 565)



**GENERAL NOTES**

1. THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE DONE IN ACCORDANCE WITH THE 2012 MICHIGAN DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR CONSTRUCTION EXCEPT WHERE OTHERWISE INDICATED ON THESE PLANS, IN THE PROPOSAL, SUPPLEMENTAL SPECIFICATIONS, OR SPECIAL PROVISIONS FOR THIS PROJECT.
2. CONTRACTOR TO CALL MISS DIG (CALL TOLL FREE 1-800-482-7171) OR 811 THREE WORKING DAYS BEFORE STARTING YOUR PROJECT. (EXCLUDING WEEKENDS AND HOLIDAYS)
3. THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE DONE IN ACCORDANCE WITH THE 2011 MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

**SOIL BORING GENERAL NOTES**

WITHIN EACH SOIL BORING, SOIL SAMPLES WERE OBTAINED BY THE STANDARD PENETRATION TEST METHOD, ASTM D1586, WHEREBY A SPLIT-SPOON SAMPLER IS DRIVEN THREE SUCCESSIVE 6-INCH INCREMENTS WITH A 140 POUND WEIGHT FALLING 30 INCHES. THE NUMBER OF BLOWS REQUIRED TO DRIVE THE SAMPLER FOR EACH INCREMENT IS PRESENTED ON THE SOIL BORING LOGS.

THE SOIL BORING LOGS IN APPENDIX B ARE BEING FURNISHED FOR YOUR CONVENIENCE AND GENERAL INFORMATION ONLY. THE DATA SHOWN ON THE BORING LOGS REPRESENTS SOIL AND GROUNDWATER CONDITIONS ENCOUNTERED AT THE RESPECTIVE BORING LOCATIONS. VARIATIONS MAY OCCUR BETWEEN THESE LOCATIONS. ADDITIONALLY, THE STRATIGRAPHIC LINES REPRESENT THE APPROXIMATE BOUNDARIES BETWEEN SOIL TYPES; HOWEVER, THE TRANSITION MAY BE MORE GRADUAL THAN WHAT IS SHOWN. FURTHERMORE, GROUNDWATER LEVELS CAN FLUCTUATE WITH SEASONAL VARIATIONS AND FOLLOWING PERIODS OF PROLONGED PRECIPITATION. THE BIDDER WILL BE RESPONSIBLE FOR MAKING HIMSELF FAMILIAR WITH SUBSURFACE CONDITIONS BY WHATEVER MEANS HE DEEMS NECESSARY AND SHALL MAKE HIS OWN DETERMINATIONS THEREFROM.

THE BIDDER BY SUBMITTING A BID, WAIVES ALL CLAIM FOR DAMAGES WHICH HE MAY SUFFER BY REASONS OF THE INADEQUACIES OR DISCREPANCIES OF THE INFORMATION SHOWN ON THESE SOIL BORING LOGS AND UNDERSTANDS THAT NO COMPENSATION WILL BE PAID TO HIM DUE TO AN INADEQUACY OR DISCREPANCY IN THIS DATA.

**UTILITIES**

<b>ELECTRIC</b> CONSUMERS ENERGY 530 W WILLOW ST. LANSING, MI 48906 (269) 337-2245 ATTN: ANDRE TAYLOR	<b>GAS</b> CONSUMERS ENERGY 530 W WILLOW ST LANSING, MI 48906 (269) 337-2245 ATTN: KYLE OAK
<b>WATER SERVICE</b> GULL LAKE SEWER & WATER AUTHORITY 7722 N 37TH ST RICHLAND, MI 49083 (269) 731-4595 ATTN: CRAIG PUDAS	<b>CABLE TELEVISION</b> COMCAST 11921 E. M-89 RICHLAND, MI 49083 (269) 203-7114 ATTN: JOE SCHOFF
<b>TELEPHONE</b> AT&T 54 N MILL ST, 4TH FLOOR PONTIAC, MI 48342 (248) 456-8256 ATTN: LINDA DENNISUK	<b>SEWER SERVICE</b> GULL LAKE SEWER & WATER AUTHORITY 7722 N 37TH ST RICHLAND, MI 49083 (269) 731-4595 ATTN: CRAIG PUDAS
<b>STORM SEWER</b> KALAMAZOO COUNTY ROAD COMMISSION 3801 E. KILGORE ROAD KALAMAZOO, MI 49001 (269) 381-3171 ATTN: RYAN MINKUS	

**NOTE TO CONTRACTOR:**  
72 HOURS BEFORE YOU DIG, CALL "MISS DIG" TOLL FREE AT 1-800-482-7171 FOR LOCATION OF UTILITIES ON THE GROUND.

**SHEET INDEX**

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	EXISTING SITE CONDITIONS
3	SOIL EROSION AND SEDIMENTATION CONTROL PLAN
4	REMOVALS PLAN
5	BYPASS SIPHON PLAN
6	PROPOSED SITE PLAN
7	PROPOSED SPILLWAY PLAN
8	PROPOSED SPILLWAY PROFILE
9	PROPOSED CROSS SECTIONS
10	DETAILS
11	DETAILS

**PREPARED UNDER SUPERVISION OF**

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ORGANIZATION: PREIN & NEWHOF, INC.

ADDRESS: 100 E CHAPIN ST, SUITE A, CADILLAC, MI 49601

**Prein & Newhof**  
Engineers • Surveyors • Environmental • Laboratory

PROJECT NO. 2180455  
SHEET NO. 1 OF 11

Issued On: 03/16/2020  
Expires On: 03/16/2024

T:\WORK\PROJECTS\2018\2180455\_GULL LAKE DAM IMPROVEMENTS\GULL LAKE DAM IMPROVEMENTS\_V\_P00101\_2180455\_CONVEYING - FIGURES - Nov. 25, 2019 - 06:52pm - Prein&Newhof