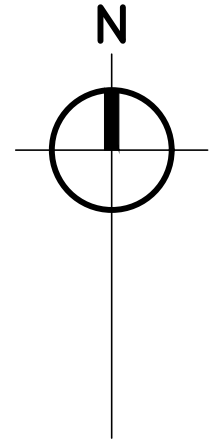


04-19-260-081  
BRULE PHILLIPPE & SHARON J  
#7586 GULL CREEK DR  
(PARCEL NORTH OF DAM PROPERTY, LINE NOT SHOWN ON THIS DRAWING)

04-19-265-030  
BULLARD ROBERT K & BELINDA S TRUST  
#7577 N 37TH ST



FOUND CAPPED IRON  
P.S. #28416  
N: 318689.214  
E: 12843328.440

SEQUENCING NOTES:

1. CLEAR AND GRUB.
2. ROUGH GRADE WESTERN EMBANKMENT.
3. INSTALL FLOW BYPASS SIPHONS.
4. INSTALL SHEET PILING.
5. COMPLETE DEMOLITION WORK.
6. BUILD PROPOSED SPILLWAY. ALLOW 28 DAY CURE ON CONCRETE PORTIONS OF SPILLWAY.
7. CLOSE NEW SPILLWAY GATES AND FLOOD SPACE BETWEEN GATES AND SHEET PILING.
8. CUT SHEET PILING (UNDERWATER), 1/2" INSIDE CONCRETE SPILLWAY CROSS SECTION. PROVIDE THERMAL PROTECTION FOR SPILLWAY CONCRETE.
9. COMPLETE GRADING AND RESTORATION WORK.
10. TEST SPILLWAY OPERATION WITH ENGINEER PRESENT.

CONTRACTOR SHALL ACCESS PROPERTY OFF OF DE AVE AT EXISTING DRIVE LOCATION. ALL WORK SHALL REMAIN ON OWNER'S PROPERTY

04-19-265-040  
ZAMORA JESSE H. & KATHRYN M.  
#1697 E. DE AVE.

04-19-410-012  
REYNOLDS DAVID LEE & MICHELLE  
#11622 E. DE AVE.

04-19-410-030  
GLEASON GEORGE & BOWERS AMY  
#11634 E. DE AVE.

0' 5' 10' 20'  
SCALES : HORZ. : 1" = 10' (CONTOURS AT ONE FOOT INTERVALS)



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B.M. #103  
NORTH SIDE OF POWER POLE  
ELEV.: 873.03

NO.	REVISIONS	BY	DATE	DRAWN
1	INTERNAL REVIEW	EES	11-21-19	E.E.S.
2	RELEASED FOR BIDS	EES	11-25-19	DATE: 11/25/19
				CHECKED: K.L.M.
				DATE: 11/25/19

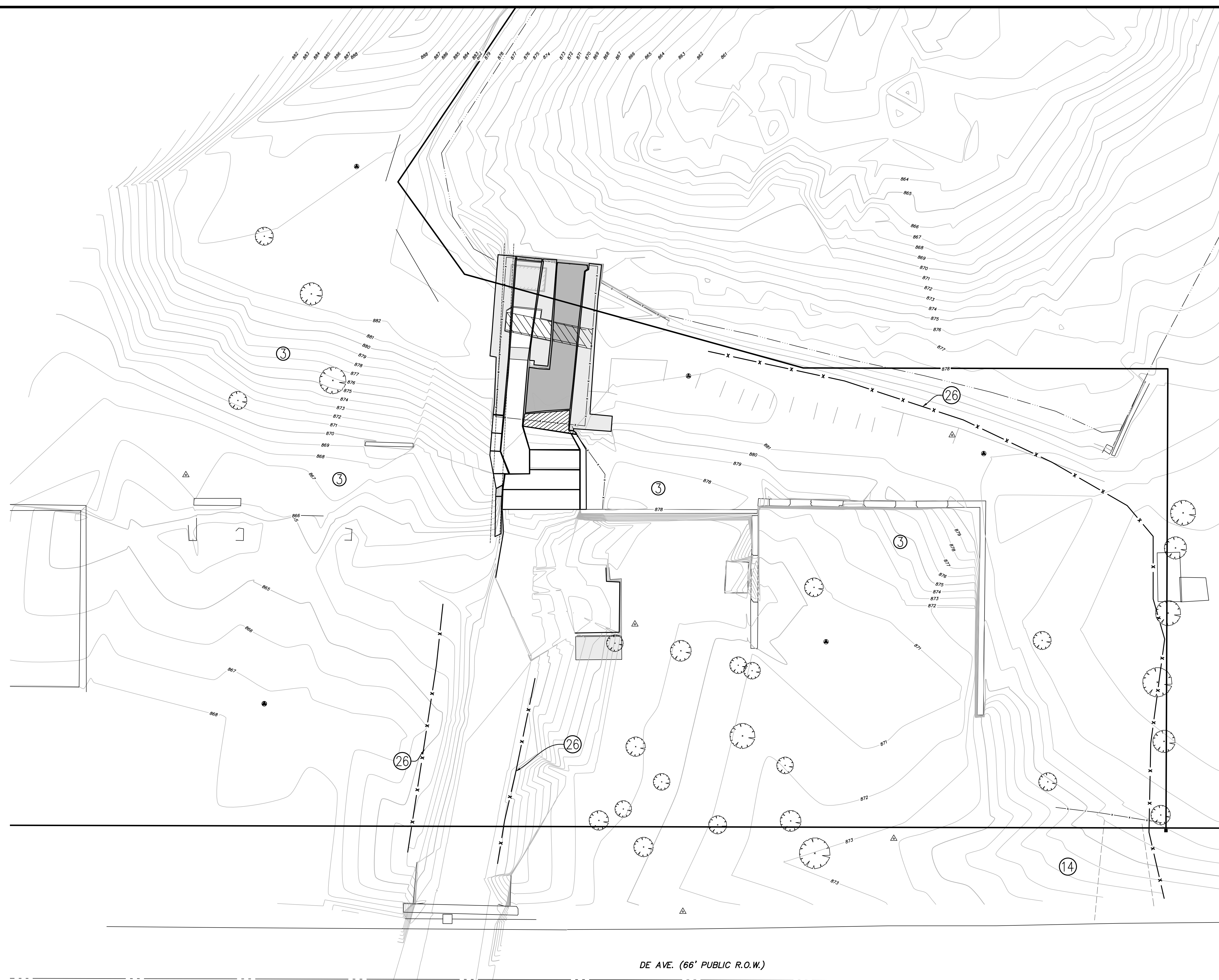
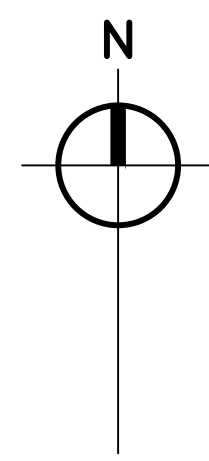
**Prein & Newhof**  
Engineers • Surveyors • Environmental • Laboratory

GULL LAKE DAM ASSOCIATION  
ROSS TOWNSHIP, KALAMAZOO COUNTY, MICHIGAN  
DAM IMPROVEMENTS  
EXISTING SITE CONDITIONS

PROJECT NO.  
2180455  
SHEET NO.  
2 OF 11

EGLE-WED  
WORKSHEET 1.0  
Approved  
Issued On: 03/16/2020  
Expires On: 03/16/2025





- SESC NOTES
1. CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ALL SOIL EROSION AND SEDIMENTATION CONTROL PERMITS NECESSARY FOR THIS PROJECT.
  2. ALL SESC MEASURES SHALL BE INSTALLED PER CURRENT MDOT SPECIFICATIONS AND STANDARD PLAN R-96 SERIES.
  3. ALL SESC MEASURES SHALL BE MAINTAINED. ANY REPAIRS NEEDED TO SESC MEASURES DURING CONSTRUCTION SHALL BE DONE AS SOON AS PRACTICALLY POSSIBLE.
  4. ALL SESC MEASURES SHALL BE PLACED BEFORE GROUND DISTURBING ACTIVITIES COMMENCE AND SHALL REMAIN IN PLACE UNTIL SITE HAS BEEN RESTORED.
  5. NUMBERS IN BUBBLES ON THE PLANS REFER TO MEASURES DESCRIBED IN MDOT STANDARD PLAN R-96 SERIES.
  6. CONTRACTOR TO CONSTRUCT AND MAINTAIN OUTLET OF BYPASS SIPHON SUCH THAT NO DEBRIS FROM DEMOLITION OR CONSTRUCTION WILL ENTER THE WATERWAY.
  7. ALL AREAS DISTURBED DURING CONSTRUCTION ARE TO BE COVERED WITH 4" OF TOPSOIL, SEED, AND MULCH PER THE SLOPE RESTORATION SPECIFICATION.

0' 5' 10' 20'

SCALES : HORZ. : 1" = 10' (CONTOURS AT ONE FOOT INTERVALS)

**811**  
Know what's below.  
Call before you dig.

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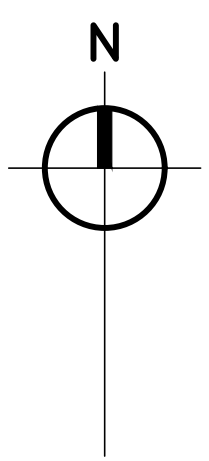
NO.	REVISIONS	BY	DATE	DRAWN
1	INTERNAL REVIEW	EES	11-21-19	E.E.S.
2	RELEASED FOR BIDS	EES	11-25-19	DATE 11/25/19
				CHECKED K.L.M.
				DATE 11/25/19

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

GULL LAKE DAM ASSOCIATION ROSS TOWNSHIP, KALAMAZOO COUNTY, MICHIGAN	PROJECT NO. 2180455
DAM IMPROVEMENTS	SHEET NO.
SOIL EROSION & SEDIMENTATION CONTROL PLAN	3 OF 11

EGLE-WED  
1.0  
Approved  
Issued On: 03/16/2020  
Expires On: 03/16/2020





NOTE:  
RUBBLE TO BE REMOVED FROM BOTTOM PRIOR  
TO SHEETPILE PLACEMENT. IF RUBBLE IS NOT ABLE  
TO BE REMOVED PRACTICALLY, SHEETPILE PLACEMENT  
MAY BE MOVED UNDER THE DIRECTION OF THE ENGINEER.  
REMOVAL OF RUBBLE PAID FOR AS MASONRY AND CONC STRUCTURE, REM.

PLACE SHEETPILE AND  
DRAWDOWN LAKE TO 878.38'  
BEFORE STARTING DEMOLITION

REMOVE EXISTING STRUCTURE  
AS NECESSARY TO CONSTRUCT  
PROPOSED STRUCTURE  
EXISTING CATWALK, CONTROL HOUSE,  
AND LAKE CONTROL STRUCTURE TO BE  
REMOVED COMPLETELY.

REMOVE  
TREE

EXISTING DRAWDOWN CULVERT  
TO BE BULKHEADED AND FILLED  
WITH FLOWABLE FILL

REMOVE EXISTING STRUCTURE  
TO ELEVATION 870.0

REMOVE EXISTING STRUCTURE  
TO 2' BELOW PROPOSED  
FINISHED GRADE

REMOVE EXISTING STRUCTURE  
TO 2' BELOW PROPOSED  
FINISHED GRADE

REMOVE EXISTING STRUCTURE  
TO 2' BELOW PROPOSED  
FINISHED GRADE

REMOVE  
TREE

REMOVE  
TREE

LIMITS OF CLEARING & GRUBBING

NOTE:  
CLEAR WOODY DEBRIS FROM DOWNSTREAM CHANNEL.  
PAYMENT INCLUDED IN CLEARING, SPECIAL PAY ITEM.

REMOVE CHAINLINK  
FENCE AND GATE

PROTECT  
EXISTING STRUCTURE

DE AVE. (66' PUBLIC R.O.W.)

### SITE REMOVAL NOTES

1. FIELD VERIFY THE PURPOSE & LOCATION OF UNDERGROUND ELECTRICAL, TELECOM & FIBER OPTIC UTILITIES & RELOCATE AS REQUIRED PRIOR TO COMMENCEMENT DEMOLITION SUCH THAT THE OWNER DOES NOT EXPERIENCE ANY "OUTAGES" OR "FAILURES" WITH THEIR INTERNAL ELECTRICAL, TELEPHONE, SECURITY OR COMPUTER SYSTEMS. REPAIR ANY CONTRACTOR-CAUSED DAMAGES AT NO COST TO THE OWNER. REFER TO THE ELECTRICAL SITE PLAN FOR COORDINATION.
2. THE CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE TO EXISTING UTILITIES & FOR LOCATING THE DEPTH & PLACEMENT OF ANY AND ALL UTILITIES WITHIN THE CONSTRUCTION WORK LIMITS. PROCEED WITH CAUTION WHEN WORKING WITH & AROUND THESE UTILITIES. THE COST TO REPAIR DAMAGE TO ANY UTILITIES (SEWERS, WATER, GAS, ELECTRICAL, UNDERDRAIN SYSTEMS, & SPRINKLER SYSTEMS, ETC.), KNOWN OR OTHERWISE, WILL BE BORNE SOLELY BY THE CONTRACTOR. IT IS THE OWNER'S RESPONSIBILITY TO ACCEPT & APPROVE SAID REPAIRS OF THE DAMAGED UTILITY.
3. REMOVAL OF EXISTING CHAINLINK FENCE INCLUDES THE REMOVAL OF CONCRETE FOOTINGS WITH THE EMBEDDED POSTS. PAYMENT FOR FENCE REMOVAL INCLUDED IN CLEARING, SPECIAL PAY ITEM.
4. RETAINING WALLS THAT ARE SHOWN TO BE SAWCUT & REMOVED MUST BE DONE SO ENTIRELY & INCLUDES ANY FOOTINGS & FOOTING DRAINS, UNLESS NOTED OTHERWISE SPECIFIED ON THE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR ACCURATELY ESTIMATING THE EXTENT OF REMOVALS BELOW GRADE & IS RESPONSIBLE FOR PROTECTING ANY REMAINING PORTIONS OF THE RETAINING WALLS FROM DAMAGE DURING ALL PHASES OF CONSTRUCTION.
5. REMOVE TREE AND STUMPS IN THEIR ENTIRETY AS IDENTIFIED ON THE DRAWINGS & WHEN FOUND IN THE FIELD & LOCATED WITHIN THE CONSTRUCTION AREA, OR AS DIRECTED BY THE OWNER.

0' 5' 10' 20'  
SCALES : HORZ. : 1" = 10' (CONTOURS AT ONE FOOT INTERVALS)



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NO.	REVISIONS	BY	DATE	DRAWN
1	INTERNAL REVIEW	EES	11-21-19	E.E.S.
2	RELEASED FOR BIDS	EES	11-25-19	DATE 11/25/19
3	ADDENDUM #1	EES	12-12-19	CHECKED K.L.M.
				DATE 11/25/19

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

GULL LAKE DAM ASSOCIATION  
ROSS TOWNSHIP, KALAMAZOO COUNTY, MICHIGAN  
  
DAM IMPROVEMENTS  
  
REMOVAL PLAN

PROJECT NO.  
2180455  
SHEET NO.

4 OF 11

EGLE-WED  
WOODRIDGE 1.0  
Approved  
Issued On: 03/16/2020  
Expires On: 03/16/2020



