



GREEN LAKE COUNTY

571 County Road A, Green Lake, WI 54941

The following documents are included in the packet for the Land Use Planning & Zoning Committee meeting on Thursday, January 7, 2021.

Packet Pages:

- 2 Agenda - **Amended 12-28-20**
- 3-4 Draft meeting minutes from December 3, 2020
- 5-7 Financial reports for November, 2020
- 8-9 Permit Reports for November, 2020
- 10-11 Violation reports
- 12-13 Request for Budget Adjustment
- 14 Land Division & Subdivision Amendment
- 15-36 Floodplain Zoning Ordinance Amendment
- 37-38 Public Hearing Notice
- 39-45 Public Hearing Item #1: AEC Island & Yukon Partners CUP Request



GREEN LAKE COUNTY LAND USE PLANNING & ZONING

Matt Kirkman
Director

Office: 920-294-4156
FAX: 920-294-4198

Planning & Zoning Committee Meeting Notice

Date: January 7, 2021 Time: 4:30 PM
Location: Government Center, County Board Room, 571 County Road A, Green Lake WI

AGENDA 01/07/2021 – Amended 12-28-20

Committee Members

Curt Talma,
Chairman

Bill Boutwell

Chuck Buss

Don Lenz

Harley Reabe

Keith Hess, Alternate

Vacant, Secretary

1. Call to Order
2. Pledge of Allegiance
3. Certification of Open Meeting Law
4. Approval of Minutes:12/3/2020
5. Department activity reports
 - a. Financial reports
 - b. Land use & septic permits
 - c. Violation reports
6. Request for Budget Adjustment – Re: Bill for outside legal counsel
7. Land Division - Subdivision Ordinance Amendment
8. **Floodplain Zoning Amendment – 1990 DFA Green Lake Dam**
9. Staff update – Administrative Assistant
10. Public Hearing: (Not to begin before 5:00 PM)

Item I: Owners: AEC Island, LLC and Yukon Partners, LLC **Applicant:** John Loberg **Site Locations:** W1726 North St. and W1702 North St., **General legal description:** Parcel #004-00410-0502, 004-00410-0523, 004-00410-0524, Lands located within Lot 1 CSM 904 and Units 3 and 4 of Yukon Partners Condominium Building 400 located within Lot 1 of CSM 3523, all in the SE1/4 of Section 17, Town 16 North, Range 13 East, Town of Brooklyn **Request:** A Conditional Use Permit to manufacture, assemble, sell, and store prefabricated buildings as well as to store associated construction materials.

11. Future committee activities
 - a. Future agenda items
 - b. Meeting date: February 4, 2021
12. Adjourn

Due to the COVID-19 pandemic, this meeting will be conducted and available through in person attendance (6 ft. social distancing and face masks required) or audio/visual communication.

Remote access can be obtained through the following link:

To Join this Zoom Meeting

Click link for audio & video

<https://zoom.us/j/5022456162?pwd=V2IvUTFFb2o3MWNqUFFFcFRtMIBJQT09>

Or by phone for audio

Dial by your location (1-312-626-6799) US

Meeting ID: 502 245 6162

Password: 345536

Kindly arrange to be present, if unable to do so, please notify our office. Sincerely, Sue Kiener, Secretary

Please note: Meeting area is accessible to the physically disabled. Anyone planning to attend who needs visual or audio assistance, should contact the Land Use Planning & Zoning office, no later than 3 days before date of the meeting.

**GREEN LAKE COUNTY
LAND USE PLANNING AND ZONING
COMMITTEE MEETING MINUTES
Thursday, December 3, 2020**

CALL TO ORDER

Planning & Zoning Chairman Curt Talma called the meeting of the Land Use Planning and Zoning Committee to order at 4:30 p.m. in the Green Lake County Government Center, County Board Room #0902, Green Lake, WI. The requirements of the open meeting law were certified as being met. Public access was provided.

Present: Curt Talma, Bill Boutwell, Chuck Buss, Don Lenz, Harley Reabe,

Absent:

Also Present: Matt Kirkman, Land Use Planning and Zoning Director, Sue Kiener, Secretary, Dawn Klockow, Corporate Council

PLEDGE OF ALLEGIANCE

The Pledge of Allegiance was recited.

APPROVAL OF MINUTES

Motion/second (Boutwell/Lenz) to approve the minutes of the November 5, 2020 meeting. Motion carried with no negative vote.

DEPARTMENT ACTIVITY REPORTS

a. Financial reports

Kirkman gave an overview and explanation of October financial reports

b. Permits

Kirkman gave an update of land use and septic permits for October

c. Violations

Kirkman provided information on the status of current violations

DEPARTMENT/COMMITTEE ACTIVITY

- a.** Committee approved the 2021 PZ meeting calendar

RECESS: 4:52PM

PUBLIC HEARING ITEMS BEGAN AT 5:00 PM

Item I: Owner/Applicant: Lake Time Storage GL, LLC, **Site Location:** N5944 Lake Steel Street, **General legal description:** Parcel #004-00505-0100 part of the SE ¼ of the NE ¼ Section 21, T16N, R13E, lot #2 CSM 34, Town of Brooklyn **Request:** a Conditional Use Permit for mini-warehousing including the construction of seven buildings containing 159 self-storage units, two shops, and an office.

- a.** Public Testimony/Comment: Audience member Craig Minsky N5927 Lake Steel St. spoke against the request. No other comments.
- b.** Kirkman gave details.
- c.** Committee Discussion followed by a motion – ***Motion/second (Boutwell/Reabe)*** motioned to accept the request as present with staff suggested conditions. All in favor. None opposed.

Item II: Owner/Applicant: Joseph Schrock, **Site Location:** W4083 Yunker Rd, **General legal description:** Parcel #012-00643-0000, part of the NW ¼ of the NW ¼ Section 33, T14N, R12E, ±0.1 acres, Town of Manchester **Request:** a Conditional Use Permit to use part of the property as a custom saw mill business

- a. Public Testimony/Comment: None
- b. Kirkman gave details.
- c. Committee Discussion followed by a motion – *Motion/second (Lenz/Boutwell)* motioned to accept the request as presented, noting times are (CST). All in favor. None opposed.

Item III: Applicant: Green Lake County Land Use Planning & Zoning Committee **Explanation:** The Committee is requesting amendments to the Code of Green Lake County, Chapter 315, Land Division & Subdivision Ordinance; more specifically, to include the County Coordinate System for certified survey maps and plats, clarify exceptions from a certified survey map, update considerations in plat and certified survey map review, and update the violations and penalties section to match the other land use ordinances.

- a. Public Testimony/Comment: None
- b. Kirkman gave details.
- c. Committee Discussion followed by a motion – *Motion/second (Lenz/Boutwell)* motioned to accept the request as presented and to forward on to County Board. All in favor. None opposed.

FUTURE COMMITTEE ACTIVITIES

- a. **Future agenda items** – please forward to Kirkman or Kiener
- b. **Next meeting date** – January 7, 2021
Business meeting – 4:30 p.m.

ADJOURN

Talma adjourned the meeting at 5:35 PM.

Respectfully submitted,

Sue Kiener.
Secretary

FEES RECEIVED	NOVEMBER				YEAR-TO-DATE				BUDGET	
	2019		2020		2019		2020		2020	
	NO.	AMOUNT	NO.	AMOUNT	NO.	AMOUNT	NO.	AMOUNT		
LAND USE PERMITS										
Total Monthly Issued Permits	8	1,500	14	3,765	157	42,200	189	\$ 42,565	\$ 34,800	122%
SANITARY PERMITS (POWTS)										
Total Monthly Issued Permits	12	3,045	13	2,730	90	24,185	99	\$ 26,545	\$ 22,695	117%
NON-METALLIC MINING PERMITS										
Annual Permit Fees	2	1,600	-	\$ -	20	16,900	5	\$ 9,600	\$ 15,300	63%
BOARD OF ADJUSTMENT										
Special Exception	-	-	-	-	-	-	-	-	-	-
Variances	1	375	-	-	5	1,875	5	1,875	-	-
Appeals	-	-	-	-	-	-	-	-	-	-
Total	1	\$ 375	-	\$ -	5	\$ 1,875	5	\$ 1,875	\$ 1,500	125%
PLANNING & ZONING COMMITTEE										
Zoning Change	-	-	-	-	13	4,875	5	1,875	-	-
Conditional Use Permits	-	-	-	-	5	1,875	5	1,875	-	-
Variance	1	375	-	-	1	375	-	-	-	-
Total	1	\$ 375	-	\$ -	19	\$ 7,125	10	\$ 3,750	\$ 8,625	43%
MISC.										
Wisconsin Fund	1	100	-	-	1	100	1	100	-	-
Fines & Forfeitures	-	-	1	50	1	860	15	7,300	-	-
Total	1	\$ 100	1	\$ 50	2	\$ 960	16	\$ 7,400	-	-
SURVEYOR										
Certified Survey Maps	3	510	3	510	47	7,905	38	6,645	6,000	
Preliminary and Final Plats	-	-	-	-	-	-	-	-	-	-
Applied Funds: County Surveyor	-	-	-	-	-	2,719	-	-	9,500	
Total	3	\$ 510	3	\$ 510	47	\$ 10,624	38	\$ 6,645	\$ 15,500	43%
GIS (Geographic Information System)										
Map Sales	-	-	-	-	-	85	-	-	180	
Land Records Transfer	-	-	-	-	-	-	-	-	25,000	
Land Information Grant	-	-	-	-	-	9,500	-	-	10,000	
Total	-	\$ -	-	\$ -	-	\$ 9,585	-	\$ -	\$ 35,180	0%
GRAND TOTAL										
	28	7,505	31	7,055	340	113,454	362	98,380	\$ 133,600	
									Total	74%

GREEN LAKE COUNTY

For 11/01/20 - 11/30/20

Revenue Summary Report

FJRES01A

Periods 11 - 11

Land Use & Zoning Month End Revenue

MER100-10-P&Z

<u>Account No/Description</u>	<u>Budget Amount</u>	<u>Period Amount</u>	<u>Y-T-D Amount</u>	<u>Balance</u>	<u>Percent Received</u>
10 Land Use Planning and Zoning					
20-100-10-44400-000-000 Land Use Permits	34,800.00	3,765.00	42,565.00	-7,765.00	122.31
20-100-10-44400-001-000 BOA Public Hearing	1,500.00	.00	1,875.00	-375.00	125.00
20-100-10-44400-002-000 PZ Public Hearing	8,625.00	.00	3,750.00	4,875.00	43.48
20-100-10-44400-003-000 Misc	.00	.05	.05	-.05	.00
20-100-10-44409-000-000 Non-Metallic Mining	30,300.00	.00	9,600.00	20,700.00	31.68
20-100-10-44410-000-000 Sanitary Permits	22,695.00	2,730.00	26,545.00	-3,850.00	116.96
20-100-10-44411-000-000 Wisconsin Fund Applications	.00	.00	100.00	-100.00	.00
20-100-10-45110-000-000 Fines & Forfeitures	.00	50.00	7,300.00	-7,300.00	.00
20-100-10-46131-001-000 GIS Map Sales	180.00	.00	.00	180.00	.00
20-100-10-46131-002-000 Strategic Fund	10,000.00	.00	.00	10,000.00	.00
20-100-10-46762-000-000 Certified Survey Maps	6,000.00	510.00	6,645.00	-645.00	110.75
20-100-10-47411-000-000 Interdepartment transfer/Land Records	25,000.00	.00	.00	25,000.00	.00
20-100-10-49320-000-000 Applied Funds	19,000.00	.00	.00	19,000.00	.00
10 Land Use Planning and Zoning	158,100.00	7,055.05	98,380.05	59,719.95	62.23

For 11/01/20 - 11/30/20

Expenditure Summary Report

FJEXS01A

Periods 11 - 11

Land Use & Zoning Month End Expenses

MEE100-10-P&Z

<u>Account No/Description</u>	<u>Adjusted Budget</u>	<u>Y-T-D Encumb</u>	<u>Period Expended</u>	<u>Y-T-D Expended</u>	<u>Available Balance</u>	<u>Percent Used</u>
10 Land Use Planning and Zoning						
53610 Code Enforcement						
20-100-10-53610-110-000 Salaries	306,001.00	.00	23,382.40	243,363.12	62,637.88	79.53
20-100-10-53610-125-000 Overtime	.00	.00	.00	19.41	-19.41	.00
20-100-10-53610-140-000 Meeting Payments	1,225.00	.00	.00	278.14	946.86	22.71
20-100-10-53610-151-000 Social Security	23,432.00	.00	1,716.54	19,126.31	4,305.69	81.62
20-100-10-53610-153-000 Ret. Employer Share	20,677.00	.00	1,578.32	17,189.46	3,487.54	83.13
20-100-10-53610-154-000 Health Insurance	56,744.00	.00	3,995.88	46,885.80	9,858.20	82.63
20-100-10-53610-155-000 Life Insurance	610.00	.00	33.57	288.76	321.24	47.34
20-100-10-53610-210-002 Professional Services-SRV	9,500.00	.00	700.00	7,250.00	2,250.00	76.32
20-100-10-53610-210-003 Miscellaneous Fees	300.00	.00	.00	375.00	-75.00	125.00
20-100-10-53610-225-000 Phone Service	576.00	.00	148.61	779.86	-203.86	135.39
20-100-10-53610-242-000 Print Management	1,180.00	.00	44.66	294.62	885.38	24.97
20-100-10-53610-307-000 Training	540.00	.00	.00	336.43	203.57	62.30
20-100-10-53610-310-000 Office Supplies	2,602.00	.00	.00	664.15	1,937.85	25.52
20-100-10-53610-312-000 Field Supplies	200.00	.00	.00	79.57	120.43	39.79
20-100-10-53610-320-000 Publications-BOA Public Hearing	750.00	.00	.00	1,266.13	-516.13	168.82
20-100-10-53610-320-001 Publications-PZ Public Hearing	3,000.00	.00	.00	1,769.75	1,230.25	58.99
20-100-10-53610-321-000 Seminars	655.00	.00	.00	647.88	7.12	98.91
20-100-10-53610-324-000 Member Dues	100.00	.00	.00	100.00	.00	100.00
20-100-10-53610-330-000 Travel	492.00	.00	.00	.00	492.00	.00
20-100-10-53610-352-000 Vehicle Maintenance	638.00	.00	127.91	538.76	99.24	84.45
53610 Code Enforcement	429,222.00	.00	31,727.89	341,253.15	87,968.85	79.51
10 Land Use Planning and Zoning	429,222.00	.00	31,727.89	341,253.15	87,968.85	79.51

Land Use Permits: 11/1/2020 - 11/30/2020

Permit Number	Parcel Number	Township	Site Address	Application Date	Issued Date	Owner Name	Estimated Cost	Permit Sub Type	Project_1 Type/SubType	Project_1 Description	Project_2 Type/SubType	Project_2 Description
12655	004017880000	Brooklyn	N5942 CASS CT	11/10/2020	11/10/2020	KENNETH P WARRAS, SUSAN M WARRAS	20000	Violation	Accessory Structure - Storage Buildings	16ft x 24ft shed with 8ft x 24ft covered porch.		
12749	004006210300	Brooklyn	N5629 SKUNK HOLLOW RD	11/10/2020	11/10/2020	JEFFREY S & KRISTINE M MILLER	1800	Land Use	Accessory Structure - Fence			
12754	004021060500	Brooklyn	N5472 SHORE DR	11/17/2020	11/17/2020	LORI SUE WEILER 2003 REVOCABLE TRUST	150000	Land Use	Accessory Structure - Stairs/Walkway	575sqft path/walkway. Walkway bends slightly as it goes from the home to the lake	Accessory Structure - Attached Deck/Patio	900sqft patio, less than 200sqft (about 195sqft) is within the 75' shoreland setback and 70% buffer is in place
12758	004005660500	Brooklyn	W695 SUNNYSIDE RD	11/24/2020	11/24/2020	BENJAMIN P EWERTD, CASANDRA J EWERTD	50000	Land Use	Additions / Alterations - Addition/Alteration to Principal Structure			
12746	006020840000	Green Lake	W2386 OAKWOOD AVE	11/02/2020	11/02/2020	STEVENSON REVOCABLE LIVING TRUST	25000	Land Use		Driveway will add additional 3300sqft to the property	Land Disturbing Activity - Slope Stabilization	see site plan (part of current wall will be moved)
12747	006012290100	Green Lake	W2084 TULETA HILL RD	11/04/2020	11/04/2020	MICHAEL E THUECK & MARNIE LOOMANS-THUECK JOINT REVOCABLE TRUST	250000	Land Use	Principal Structure - Single Family	2 bedroom home		
12748	006020840000	Green Lake	W2386 OAKWOOD AVE	11/06/2020	11/09/2020	STEVENSON REVOCABLE LIVING TRUST	90000	Land Use	Accessory Structure - Boathouse		Accessory Structure - Stairs/Walkway	Walkway towards lake (see site plan to see where new walkway was added). Length is approximate and takes bends into account
12755	006000850000	Green Lake	No Address Available	11/18/2020	11/18/2020	SJL ENTERPRISES LLC	35000	Land Use	Accessory Structure - Agricultural Building	Open on Both Sides		
12757	010001500100	Mackford	No Address Available	11/23/2020	11/23/2020	DALEA WALKER, LISAA WALKER	900	Land Use	Accessory Structure - Detached Deck/Patio	Burn Area (concrete "base")	Accessory Structure - Accessory Structure	Hoop House
12752	014008980000	Marquette	W6454 LAKEVIEW DR N	11/13/2020	11/18/2020	CHERYL DESANTIS REVOCABLE TRUST, EMANUEL DESANTIS REVOCABLE TRUST	137000	Land Use	Additions / Alterations - Addition/Alteration to Principal Structure	Porch, Office, Living Quarters. See site plan to show dimensions of the new additions		
12741	016019230000	Princeton	No Address Available	10/28/2020	11/02/2020	GL LAKESHORE DRIVE LLC	600000	Land Use		Driveway (approximately 2400sqft)	Principal Structure - Single Family	House (approximately 4500sqft)
12750	016013570000	Princeton	N4195 LAKEVIEW DR	11/11/2020	11/23/2020	JOHN PRICE LIVING TRUST	2000	Land Use	Accessory Structure - Stairs/Walkway	gravel walkway	Accessory Structure - Stairs/Walkway	Ramp (see ADA affidavit included with this permit)
12756	016019220000	Princeton	N4736 N LAKESHORE DR	11/23/2020	11/23/2020	JODEAN FURLONG, MARK FRANCIS FURLONG	210000	Land Use	Accessory Structure - Retaining Walls		Accessory Structure - Attached Deck/Patio	Patio Pool is 1340sqft (some is already existing sqft). 110sqft of patio is within 75' of the OHWM, there is greater than 70% vegetative buffer of shoreline frontage landward 35' of the OHWM.

Total **1571700**

Sanitary Permits: 11/1/2020 - 11/30/2020

Sanitary Permit	Parcel Number	Site Address	Owners	Date Issued	Permit Type	System Type	Plumber Name	Additional Explanation	Permit Fee \$ (County)	Permit Fee \$ (DSPS)
202024094	004002930300	N6146 LARK LN	JOANN KIECKHAEFER	11/03/2020	Replacement Tank Only	Conventional (Non-Pressurized In-Ground)	Daniel Pollesch	1 Bedroom House, Designed for 3 Bedrooms	150	0
202024095	002006790100	W706 TOWN LINE RD	JAMES R JR & VICTORIA L ROBBINS	11/03/2020	Replacement Tank Only	Conventional (Non-Pressurized In-Ground)	Daniel Pollesch	3 Bedroom House	150	0
202024096	004011370000	W805 SILVER CREEK RD	NANCYJUNE LAATSCH	11/04/2020	Replacement System	Mound	Daniel Egbert	3 Bedroom House	280	100
202024097	016001120100	W4537 STATE ROAD 23 73	PATRICK L & LISA M SORENSEN	11/05/2020	Replacement System	Conventional (Non-Pressurized In-Ground)	Daniel Pollesch	3 Bedroom House	280	100
202024098	004006040200	N5685 SPAULDING HILL RD	RICHARD W & CINDY H DIEMER	11/06/2020	Replacement System	Conventional (Non-Pressurized In-Ground)	Daniel Pollesch	3 Bedroom House	280	100
202024099	002002560100	N8788 COUNTY ROAD VV	JACOBM PULVERMACHER, TANYAR PULVERMACHER	11/06/2020	Replacement Tank Only	Conventional (Non-Pressurized In-Ground)	Daniel Pollesch	4 Bedroom House	150	0
202024100	016009320000	N5105 LUECK LN	DOUGLASR POLLARD	11/12/2020	Replacement System	Conventional (Non-Pressurized In-Ground)	Gould, Mark	3 Bedroom House	280	100
202024101	012000890000	N2258 HILLTOP RD	JANEE WEGNER	11/12/2020	Replacement System	Conventional (Non-Pressurized In-Ground)	Lichtfeld, T	3 Bedrooms	280	100
202024102	004011940000	N5703 SUSAN ST	GLEN G & MARIAN L SOMMERFELDT LIVING TRUST	11/16/2020	New System	Conventional (Non-Pressurized In-Ground)	Jeffrey Novak	2 Bedroom House	280	100
202024103	006004570100	N3233 SEARLE RD	DAVID W & DEBRA A EILER	11/16/2020	Replacement Tank Only	Conventional (Non-Pressurized In-Ground)	Daniel Pollesch	3 Bedroom House	150	0
202024104	004017240000	N6009 HERITAGE DR	HARRIETJ WOLK	11/20/2020	Replacement Tank Only	Conventional (Non-Pressurized In-Ground)	Daniel Pollesch	4 Bedroom House	150	0
202024105	008000770300	W5747 GRAND MARSH RD	JEFFREYJ LEAHY, SUSANK LEAHY	11/20/2020	Replacement Tank Only	Conventional (Non-Pressurized In-Ground)	Daniel Pollesch	2 Bedroom House	150	0
Total:									2580	600

* There are additional properties associated with the permit

Land Use and Shoreland Violations - Current

First Notice						
Parcel Number	Site Address	Owner Name	Permit #	Violation Type	Violation Description	Violation Date
2007690000	N9666 WILDFLOWER LN	VAN BUREN KEITH A & VIKKI	12551	Junk	Unregistered vehicles Lumber pile Skid Steer,	12/13/2019
4004100102	W1740 NORTH ST	YUKON STORAGE LLC	12730	Zoning	Manufacturing of sheds boathouses cottages hunting shacks etc. in the C2 Extensive Commercial District	10/8/2020
6005420200	N3047 E LITTLE GREEN RD	SARGENT REVOCABLE LIVING TRUST SANDRA LYNN	12525	Zoning	350-65 no LUP for new structure; Update 11/2019: Was scheduled to be removed by May 1 2020.	10/24/2019
10001500100	No Address Available	WALKER DALE A; WALKER LISA A	12523	Zoning	350-65: LUP for new structure	10/23/2019
14000010000	N2797 COUNTY ROAD B	SWANKE GARY L & LINDA A	12534	Junk	Tires Pallets Unregistered truck Junk/ inoperable machinery (non-farm) containers plastic tarps	10/10/2019
16011960000	N4250 S LAKESHORE DR	SPICER ANDREW G & DORIS E	12744	Shoreland	A patio within the 75' shoreland setback. Unable to get access to the property for measurements and size as the property owner was not present.	10/29/2020

Second Notice						
Parcel Number	Site Address	Owner Name	Permit #	Violation Type	Violation Description	Violation Date
4003560000	No Address Available	EGBERT EXCAVATING INC	12225	Zoning	Update 8-6-20. Rezone and CUP approved with conditions. Update 10/15/19: Not able to obtain flood model. Will be removing items and fill from mapped floodway.	43195
10001430000	N1914 COUNTY ROAD AS	SLR PROPERTIES LLC	12522	Junk	350-14D: junk stacked and piled on property; Need progress by end of May or will send to CC.	43761
12002620300	N1638 MADISON ST	SCHWANDT CHILDREN REAL ESTATE LLC	4127	Conversion	11 or more junk, etc vehicles on property. NOM to CC by 12-1-2020	43850
14003500000	W6592 PUCKAWAY RD	SMITH WESLEY E	12443	Shoreland	Update 9-15-20: Garage is done sod going in by Nov. 1 2020 Shed by water OK per Shoreland standards not Floodplain standards. Original violation: Owners added a pea gravel patio at shore; violation of 338-37 vegetated buffer activities 338-40 land disturbing activities and 338-32 as patios are not exempt from 75ft setback;	43699

Corp Council						
Parcel Number	Site Address	Owner Name	Permit #	Violation Type	Violation Description	Violation Date
None	None	None	None	None	None	None

POWTS Violations - Current

Parcel Number	Site Address	Owner Name	Permit #	Violation Type	Violation Description	Additional Information
002002110000	N8725 WHITE RIDGE RD	BEDNAREK DAVID ; BLOCK KELIE J	131	POWTS Failure	Tank unsound	
004002320000	N6698 COUNTY ROAD PP	BENNETT GLEN J & CAROLYN M	281	POWTS Failure	Possible cesspool.	Have New Permit
014001720000	W5156 PINE RD N	HEINECKE RANDAL R ET AL	26724	POWTS Failure	Tank Failure	
014002350000	W5621 PINE RD S	SCHULTZ NATHAN E	1969	POWTS Failure	Tank Failure	
014008340000	W4052 COUNTY ROAD H	NOWATZSKI KATHY A	1424052	POWTS Failure	Tank Failure	
016008010300	N5591 LOCK RD	CALAMITA TAMI LYNN	37516	POWTS Failure	Surface Discharge of Effluent	Have New Permit
016009230000	N4898 RAY SHORTER RD	PROG ROD-GUN CLUB	10024252	POWTS Failure	Surface discharge of sewage/effluent	Have 3 out of 12 Permits
016010950000	N4659 OAK RD	CARCHESI ANTHONY M; CARCHESI CAROL L	369	POWTS Failure	Tank unsound	Have New Permit
018000570000	W3602 PINE RD	BREWER DOUGLAS & SALLY	258	POWTS Failure	Tank unsound	
018000850000	W4224 HUCKLEBERRY RD	DEIBERT BRUCE ; DEIBERT DEBORAH L	56	POWTS Failure	Tank Failure	Have New Permit
018005690300	N6999 STATE ROAD 73	FERTIG WALTER	21127	POWTS Failure	Tank Failure	Have New Permit
004005930000	N5691 BROOKLYN G RD	HARVEY RICHARD A & JOYCE M	424036	POWTS Failure	Tank Failure	Have New Permit
014005330000	N3946 STATE ROAD 73	WHITE KELLY L & DIANE	264853	POWTS Failure	Surface Discharge of Effluent	Working with Contractor
016007700000	W5897 STATE ROAD 23	HAZELWOOD WANETTA ET AL	26752	POWTS Failure	Tank Failure	Working with Contractor
016007980500	N5588 LOCK RD	KUJAC THOMAS	1624077	POWTS Failure	Tank Failure	Have New Permit
154000890000	150 W 2ND ST	KOERNER KENNETH A & JEAN A	593	POWTS Failure	Probable surface discharge	Have New Permit

GREEN LAKE COUNTY

Notice of Budgetary Adjustment

Unanticipated Revenue or Expense Increase or Decrease Not Budgeted

Date: December 9, 2020
 Department: Land Use, Planning & Zoning
 Amount: \$2,958.00
 Budget Year Amended: 2020

Source of Increase / Decrease and affect on Program:

(If needed attached separate brief explanation.)

One of our Conditional Use Permit hearings required outside legal counsel as Corporation Counsel had a conflict of interest. Outside counsel filled in and did a solid job protecting the Green Lake County Land Use Planning & Zoning Department from any legal kerfuffles. (\$2,958.00)

Other septic related expenses to be recovered through special charges. (\$991.00)

Revenue Budget Lines Amended:

Account #	Account Name	Current Budget	Budget Adjustment	Final Budget
20-100-10-45110-000-000	Fines & Forfeitures	\$ -	\$ 4,249.00	\$ 4,249.00
				\$ -
				\$ -
				\$ -
Total Adjustment			\$ 4,249.00	

Expenditure Budget Lines Amended:

Account #	Account Name	Current Budget	Budget Adjustment	Final Budget
20-100-10-53610-210-003	Miscellaneous Fees	\$ 300.00	\$ 3,949.00	\$ 4,249.00
				\$ -
				\$ -
				\$ -
				\$ -
Total Adjustment			\$ 3,949.00	

Department Head Approval: 

Date Approved by Committee of Jurisdiction: _____

Following this approval please forward to the County Clerk's Office.

Date Approved by Finance Committee: _____

Date Approved by County Board: _____

Per WI Stats 65.90(5)(a) must be authorized by a vote of two-thirds of the entire membership of the governing body.

Date of publication of Class 1 notice of budget amendment: _____

Budget Adjustment

Purpose

To comply with State Statute 65.90 (5)

Policy

A budget adjustment should be made when increasing /(decreasing) both your revenue budget and expenditure budget. These changes come from new grants or changes in grant monies, transfers from sources in the county outside a department's original budget, etc. No budget line item should exceed the adopted budget at any time during a fiscal year.

Procedure

To initiate a budget adjustment, the department head shall notice the review, discussion & action of this completed & signed form on the next monthly meeting agenda of their committee of jurisdiction. If the Budgetary Adjustment is approved by the committee of jurisdiction the signed copy of this form along with a copy of the meeting minutes shall be forward to the County Clerk to be noticed on the Finance Committee agenda for review, discussion & action.

Upon Finance Committee approval the signed Budgetary Adjustment form shall be forwarded to the County Clerk to be notice on the County Board agenda for review, discussion and action.

Per WI Stats 65.90(5)(a) the Budgetary Adjustment must be authorized by a vote of two-thirds of the entire membership of the County Board.

A department representative must be available at each meeting to address any questions or concerns that may arise during review and discussion.

45 315-15, 15 acres or less in size shall be created by certified survey map in compliance
46 with § 236.34, Wis. Stats., and the provisions of this chapter.

47
48 **§ 315-15 Exceptions.**

49 Pursuant to § 236.45, Wis. Stats., the provisions of this chapter that apply to divisions of
50 land being less than five lots or parcels shall not apply to the following:

- 51
52 A. Transfers of interests in land by will or pursuant to court order;
- 53
54 B. Leases for a term not to exceed 10 years, mortgages or easements;
- 55
56 C. The sale or exchange of lots or parcels of land between owners of adjoining
57 property if additional lots or parcels are not thereby created and the lots or parcels
58 resulting are not reduced below the minimum sizes required by this chapter or other
59 applicable laws or ordinances;

60
61 (1) In order to qualify as an exception as described in C. above the following process
62 shall be completed:

63 (a) A meets and bounds description shall be prepared by a Wisconsin Professional Land
64 Surveyor describing the lands being sold or exchanged.

65 (b) A warranty deed, shall be recorded in the Green Lake County Register of Deeds Office
transferring ownership of the lands being sold or exchanged. This deed shall include the
language "This is a conveyance between adjoining property owners. For the purposes of
the Green Lake County Land Division and Subdivision Ordinance and Chapter 236 Wis.
Stats., the property being conveyed will be joined with the grantee's principal lot or parcel
and additional lots or parcels will not be created therefrom without compliance with said
provisions, nor will the resulting lots be reduced below the minimum size required by state
and local laws or ordinances.

66
67 (c) Immediately following the warranty deed described in (b) above, a Quit Claim Deed,
shall be recorded combining into one land area the owner's principal lot or parcel with the
lands being sold or exchanged. The required combination language shall state that "All
lands described in this document shall be considered one land area for the purposes of real
property listing, assessment, taxation and land use regulations. Separation or division of
this land area shall only occur in compliance with the applicable Green Lake County
ordinances and regulations affecting the combined land area."

68
84 (2) For the purpose of applying building setbacks, as required by applicable State law
and County land use ordinances, the process described in (1)(a) thru (c) above shall
have the effect of eliminating any internal lot lines associated with the resultant combined
land area from being used in the application of structure or building setbacks.

85
86 **§ 315-20 Land suitability.**

87 No land shall be divided or subdivided by means of a subdivision plat for a use that is held
88 unsuitable by the Land Use Planning and Zoning Committee for reason of flooding or
89 potential flooding, soil limitations, inadequate drainage, incompatible surrounding land use,
90 or any other condition likely to be harmful to the health, safety or welfare of the future
91 residents or users of the area, or to the residents of Green Lake County.

Article II
General Provisions

§ 300-9 Areas to be regulated.

This chapter regulates all areas that would be covered by the regional flood or base flood within Green Lake County, Wisconsin, as shown on the Flood Insurance Rate Map (FIRM) or other maps approved by the WDNR. Base flood elevations are derived from the flood profiles in the Flood Insurance Study (FIS) and are shown as AE, A1-30, and AH Zones on the FIRM. Other regulatory zones are displayed as A and AO Zones. Regional flood elevations (RFE) may be derived from other studies. If more than one map or revision is referenced, the most restrictive information shall apply.

§ 300-10 Official maps and revisions.

The boundaries of all floodplain districts are designated as A, AE, AH, AO or A1-30 on the maps listed below and the revisions in the Green Lake County Floodplain Appendix A. Any change to the base flood elevations (BFE) or any changes to the boundaries of the floodplain or floodway in the Flood Insurance Study or on the Flood Insurance Rate Map must be reviewed and approved by the Wisconsin Department of Natural Resources and the Federal Emergency Management Agency through the Letter of Map Change process (see Article **IX**, Amendments) before it is effective. No changes to regional flood elevations on non-Federal Emergency Management Agency maps shall be effective until approved by the Wisconsin Department of Natural Resources. These maps and revisions are on file in the Land Use Planning and Zoning

Department, Green Lake County. If more than one map or revision is referenced, the most restrictive information shall apply.

- A. Official maps, based on the Flood Insurance Study for unincorporated areas of Green Lake County, Community Number 550165. Applicable map panels: 55047C0010C, 55047C0020C, 55047C0030C, 55047C0034C, 55047C0035C, 55047C0038C, 55047C0039C, 55047C0040C, 55047C0045C, 55047C0051C, 55047C0053C, 55047C0054C, 55047C0058C, 55047C0065C, 55047C0079C, 55047C0082C, 55047C0083C, 55047C0084C, 55047C0087C, 55047C0090C, 55047C0091C, 55047C0092C, 55047C0093C, 55047C0094C, 55047C0101C, 55047C0105C, 55047C0110C, 55047C0111C, 55047C0113C, 55047C0115C, 55047C0120C, 55047C0126C, 55047C0127C, 55047C0130C, 55047C0131C, 55047C0132C, 55047C0133C, 55047C0134C, 55047C0140C, 55047C0155C, 55047C0160C, 55047C0165C, 55047C0170C, 55047C0178C, 55047C0179C, 55047C0180C, 55047C0183C, 55047C0184C, 55047C0186C, 55047C0187C, 55047C0191C, 55047C0192C, 55047C0195C, 55047C0203C, 55047C0204C, 55047C0205C, 55047C0225C; dated February 3, 2010, with corresponding profiles that are based on the Flood Insurance Study 55047CV000A effective February 3, 2010; approved by the Wisconsin Department of Natural Resources and the Federal Emergency Management Agency.
- B. Official maps, based on other studies:
- (1) The Inundation Map (with boundaries shown in yellow and red on the original map) for Kingston Dam on the Grand River, the floodway data table and the higher of the dam breach during regional flood (DAMBRK) profile and regional flood no breach (HEC2) profile. These are found in the Hydraulic Evaluation Report for the Kingston Dam prepared by Barrientos & Associates, Inc., and dated February 1991 and approved by the Wisconsin Department of Natural Resources.
 - (2) The Dam Breach Analysis for the Lower Water Quality Improvement Dam for an unnamed tributary to Little Green Lake, prepared by Jonathan D. Lefers, PE, of Montgomery Associates Resource Solutions, LLC, dated November 2008, and approved by the Wisconsin Department of Natural Resources.
 - (3) Letter of Map Revision (LOMR) "Del Monte Foods" FEMA Case No. 13-05-7472P, revising the Flood Insurance Study (FIS) Report and Flood Insurance Rate Map (FIRM) for Community 550165 prepared by Max Franzen and Jeff Quast of Excel Engineering, June 2014.
 - (4) Flood study, "Little Green Lake Discharge," prepared for Green Lake County by MSA Professional Services, April 1997, and Dam Break Exhibit Maps prepared by MSA Professional Services, November 2013, both approved by Wisconsin Department of Natural Resources.
 - (5) "Hydrologic and Hydraulic Report - Swamp Road - Township of Princeton, Princeton, WI" prepared by Badger Engineering & Construction, LLC, and Alieus Engineering, LLC, January 2017. Approved by Wisconsin Department of Natural Resources on February 21, 2017.
 - (6) "The Dam Failure Analysis (DFA) for the Green Lake Dam" prepared by Donohue & Associates, Inc., dated June 18, 1990 and revised August 30, 1990, and approved by the Department of Natural Resources on September 11, 1990. Elements of this approved analysis, adopted by reference into this Ordinance, include the flood profile labeled "Dam Failure, 100-year Event, Green Lake" in DFA Attachment 5R, the elevations in the column labeled "Maximum Stage Elevation (ft MSL)" associated

with locations in the column labeled “Cross Section Location (mi)” in DFA Attachment 5R, and the two map panels titled “100-year Flood Event with Failure of Green Lake Dam” which include cross section locations and a floodway / flood-fringe delineation in DFA attachment 6. In the case of any apparent discrepancy between the map, profile, and/or elevations, the information in the “Maximum Stage Elevation (ft MSL)” column in Attachment 5R shall govern.

§ 300-11 Establishment of floodplain zoning districts.

The regional floodplain areas are divided into three districts as follows:

- A. The Floodway District (FW) is the channel of a river or stream and those portions of the floodplain adjoining the channel required to carry the regional floodwaters and are contained within AE Zones as shown on the FIRM.
- B. The Flood-Fringe District (FF) is that portion of the floodplain between the regional flood limits and the floodway and displayed as AE Zones on the FIRM.
- C. The General Floodplain District (GFP) is those areas that have been or may be covered by floodwater during the regional flood and does not have a BFE or floodway boundary determined, including A, AE (rarely), AH, and AO Zones on the FIRM.

§ 300-12 Locating floodplain boundaries.

Discrepancies between boundaries on the Official Floodplain Zoning Map and actual field conditions shall be resolved using the criteria in Subsection A or B below. If a significant difference exists, the map shall be amended according to Article IX, Amendments. The County Land Use Planning and Zoning Department can rely on a boundary derived from a profile elevation to grant or deny a land use permit, whether or not a map amendment is required. The County Land Use Planning and Zoning Department shall be responsible for documenting actual predevelopment field conditions and the basis upon which the district boundary was determined and for initiating any map amendments required under this section. Disputes between the County Land Use Planning and Zoning Department and an applicant over the district boundary line shall be settled according to § 300-40C and the criteria in Subsections A and B below. Where the flood profiles are based on established base flood elevations from a FIRM, FEMA must approve any map amendment or revision pursuant to Article IX, Amendments.

- A. If flood profiles exist, the map scale and the profile elevations shall determine the district boundary. The regional or base flood elevations shall govern if there are any discrepancies.
- B. Where flood profiles do not exist for projects, the location of the boundary shall be determined by the map scale.

§ 300-13 Removal of lands from the floodplain.

Compliance with the provisions of this chapter shall not be grounds for removing land from the floodplain unless it is filled at least two feet above the regional or base flood elevation, the fill is contiguous to land outside the floodplain, and the map is amended pursuant to Article IX, Amendments.

§ 300-14 Compliance required.

Any development or use within the areas regulated by this chapter shall be in compliance with the terms of this chapter and other applicable local, state, and federal regulations.

§ 300-15 Municipalities and state agencies regulated.

Unless specifically exempted by law, all cities, villages, towns, and counties are required to comply with this

RECEIVED

June 18, 1990

JUN 18 1990

Wisconsin Department of Natural Resources
101 South Webster Street
Madison, WI 53703

Bureau of Water
Regulation & Zoning

Attn: Mr. William Sturtavent, P.E.
Assistant Dam Safety Engineer

Re: Green Lake Dam
Dam Failure Analysis
Donohue Project No. 17782



Dear Bill:

Donohue & Associates has completed the dam failure analysis for the Green Lake Dam as required in the Wisconsin Administrative Code, Chapter NR333, and specified in our agreement dated March 6, 1990. We have conducted a limited hydrologic analysis and applied the results to a model of the Green Lake, Puchyan River system, from the head of the lake to downstream of the Berlin Road bridge. Our analyses show that the Green Lake Dam should have an apparent preliminary hazard rating of Class II, Significant (Table 2, NR333.06).

The Green Lake Dam is owned and operated by the City of Green Lake. The dam is located in the City, at the northeast corner of Green Lake. The Puchyan River feeds Green Lake and receives lake discharge below the dam. The dam was originally constructed about the year 1860 to provide hydropower to a mill. The dam has been rehabilitated numerous times and is currently used to regulate the level of Green Lake for recreation. The dam consists of a 14-foot wide concrete south spillway, a 46-foot wide, 3-bay concrete and stone main spillway, and the mill race to the north. All three structures are manually controlled with stoplogs.

Pertinent information used in this study was obtained from the following sources:

1. National Dam Safety Program Report, Green Lake Dam, September, 1980, U.S. Army Corps of Engineers.
2. Flood Insurance Study, Green Lake County, Wisconsin, Unincorporated Areas, June, 1976, U.S. Department of Housing and Urban Development, Federal Insurance Administration.
3. Original field survey notes for Green Lake County Flood Insurance Study on Puchyan River, Owen Ayers Associates, Eau Claire, Wisconsin.

4. Wisconsin Department of Natural Resources, Bureau of Water Regulation and Zoning, Dam Inspection Files.

HYDROLOGIC ANALYSIS

Several hydrologic analyses have been conducted on the watershed tributary to Green Lake and the dam. No gauging stations are located above or below the dam on the Puchyan River.



ENGINEERS
ARCHITECTS
SCIENTISTS

Flows from the Flood Insurance Study (FIS) for the unincorporated area below Green Lake were compared with flows developed in the Dam Safety Program Report. The Corps' report developed flows using Conger's regression equations and the Soil Conservation Service TR20 Runoff Model. The FIS flows were close to those from TR20. The flows from the FIS were selected for the dam failure analysis to maintain continuity between the two analyses.

The hydrograph for the 100-year recurrence interval regional flood event was obtained by combining the FIS peak flow with basin parameters previously developed. The Corps' report developed a hydrograph for the Probable Maximum Flood (PMF) event for the Green Lake watershed using TR20. The shape of this hydrograph was preserved, however, the hydrographs for the regional flood event and lesser events were proportionally reduced. The peak flows for the 5-, 10-, 25-, 50-, 100-, 500-, and 1000-year recurrence interval events are presented in Attachment 1, along with the hydrographs developed for those events. The inflow hydrograph for the 100-year regional flood event is presented on Attachment 2.

HYDRAULIC ANALYSIS

The river reach for this study is the Puchyan River from the Green Lake Dam to the marsh area downstream of the Berlin Road bridge. This 2.6-mile reach passes through four bridges and over the lower Green Lake Dam, just downstream of Depot Road.

The hydraulic analysis consisted of four parts:

1. Determine the hydraulic shadow of the Green Lake Dam, including floodplain and floodway, assuming the dam fails during the regional flood.
2. Same analysis as Part 1, except the lower dam, approximately one mile downstream of Green Lake, fails at the crest of the Green Lake Dam failure floodwave.
3. Determine the floodplain, including floodway, of the regional flood if the Green Lake Dam did not exist.

Wisconsin DNR
June 18, 1990
Page 2

4. Route the hydrograph for the design event, determined based on the preliminary hazard rating, through the Green Lake Dam to determine if spillway capacity is adequate.

The hydraulic analyses were conducted using the BOSS DAMBRK, Release 2, computer model which is based on the 1988 National Weather Service DAMBRK computer model, developed by Professor D.L. Fread. The following data is input into the model: lake inflow hydrograph, stage/storage relationship for the lake, cross sections geometry for reach downstream of the lake including bridges, characteristics of the dam and spillway, and the timing and mechanics of the simulated dam failure. Dynamic routing of the inflow hydrograph through lake cross sections can be used in place of the stage/storage relationship for the lake.



A rating curve was developed for the spillways for each of the dams. The rating curve for the Green Lake Dam assumed stoplogs were in place to maintain a normal pool elevation. The rating curve for the lower dam assumed no regulation. The rating curves are presented as Attachment 3.

After the channel geometry, determined from the survey notes and topo mapping, was input to the model, some adjustments were required. A small vee notch was added to the bottom of each channel section to help stabilize initial conditions. Some smoothing of channel slopes was also required.

The Green Lake Dam is a combination earth fill embankment with concrete spillways. After a threatened failure of the earth embankments in the fall of 1986, a sheet pile wall was driven in on the upstream face of the embankments. This reinforcement gives the dam's embankment a safety factor of over 3. The lower dam is a concrete structure across the entire width of the channel, with three 10-foot spillways and a 5-foot sluiceway along the right bank. The dam is in very bad condition, with deteriorated concrete, exposed rebar, and weepholes.

A dam can potentially fail by overtopping the dam, a partial or complete failure of a spillway section, or a breach in an earthen embankment. All three failures were considered for the dams in this study. It must be noted that the assumptions made in this study are not based on the actual probability for a potential failure at the dam. The results of the analyses only reflect the conditions that could occur in the event of a dam failure.



Part 1

The hydraulic analysis was performed assuming the Green Lake Dam fails during the regional flood with the lake starting at normal pool elevation. There is a 2-foot difference between normal pool elevation of 786.5 and the dam overtopping elevation of 798.5. Given the large storage capacity of Green Lake and the relatively small inflow hydrograph, an overtopping failure is unlikely. The sheet pile reinforcement of the embankment makes a breach of that structure unlikely. Therefore, a total failure of the main concrete spillway was selected as the mode of failure for this study. This was set to occur when the peak flow from the design event reaches the dam and the lake is at its maximum pool elevation of 796.64. The failure time was set to 0.25 hour and the spillway was reduced to 0.5 foot of the channel bottom.

Dynamic routing of the design event through Green Lake and the Dardthford Bay Bridge down to the dam provide the most stable dam failure results. The input to the model is shown as Attachment 4. The output is present in Attachment 5. The maximum discharge from the dam was 1468 cubic feet per second (cfs). This attenuated to 705 cfs at the downstream end of the study area. The failure started approximately 30 hours after the start of the regional flood. Maps showing the hydraulic shadow of the failure are Attachment 6.

Part 2

The Part 1 analysis was modified to fail the lower dam when the peak of the Green Lake Dam failure floodway reached the dam. A total failure of the concrete structure was selected as the mode of failure. The output from this analysis is presented in Attachment 7. The maximum discharge from the dam failure was 1122 cfs and occurred about 31 hours into the flood event. Maps showing the hydraulic shadow of the combined failures are Attachment 8.

Part 3

The regional flood was dynamically routed through Green Lake and down the Puchyan River assuming the Green Lake Dam was not in place. The output for the analysis is included as Attachment 9. The maximum flow at the upstream cross section was 1300 cfs. The flow attenuated to 119 cfs at the downstream end of the study area. Green Lake is several hundred feet deep and would exist without the dam. The large lake area attenuates most of the flood before it reaches the dam site. Maps showing the floodplain and floodway for this analysis are Attachment 10.

Part 4

The 500 design flood was dynamically routed through Green Lake and the dam starting at normal pool elevation. The lake elevation at the dam raised 0.27 foot to 796.77. Peak outflow at the dam was 109 cfs compared to the peak inflow of 2400 cfs at the head of the lake. The dam spillway cannot pass the design flow, however, the lake attenuates this flow by using available storage capacity. The output for the analysis is presented as Attachment 11.

Donohue

ENGINEERS

ARCHITECTS

SCIENTISTS

SUMMARY

Our analyses show that the Green Lake Dam should have an apparent preliminary hazard rating of Class II, Significant, based on Table 2 of NR333.06.

The analyses contained within this report were conducted in accordance with the Wisconsin Administrative Code, Chapter NR333. The results are presented as preliminary findings at this time. After your review, your comments will be incorporated with those from the Donohue quality control review. This report will then be reissued as a final document.

A floppy disk is enclosed with the input and selected graph files for the BOSS DAMBRK runs document in this report. Donohue was pleased to conduct these analyses for WDNR. If you have any questions regarding these analyses or findings, please contact us at (608)271-1004.

Very truly yours,

DONOHUE & ASSOCIATES, INC.

Meg M. Galloway

Meg M. Galloway, P.E.
Water Resources Engineer

MMG/dce

Enc:As noted

cc: Mr. Robert Carr, P.E., Donohue Quality Control Reviewer

T/L/RK0

Wisconsin DNR
June 18, 1990
Page 5

Donohue

MEMORANDUM

Date: 8-3-90

To: Bill S.
WDNR

From: MEG

Client: WDNR

Job. No.

Subject: GREEN LAKE DAM FAILURE

HERE ARE THE MATERIALS I AGREED TO SEND YOU I HAVE INCLUDED

- 5 COPIES - REPORT & ~~FIGURE 1~~ ATTACHMENTS 1-3, 6, 8, 10

- THE ORIGINALS FOR ATTACHMENTS 4, 5, 7, 9, 11

~~FITS WAS A~~

- REVISED ATTACHMENTS 4, 5, 7, 9, 11

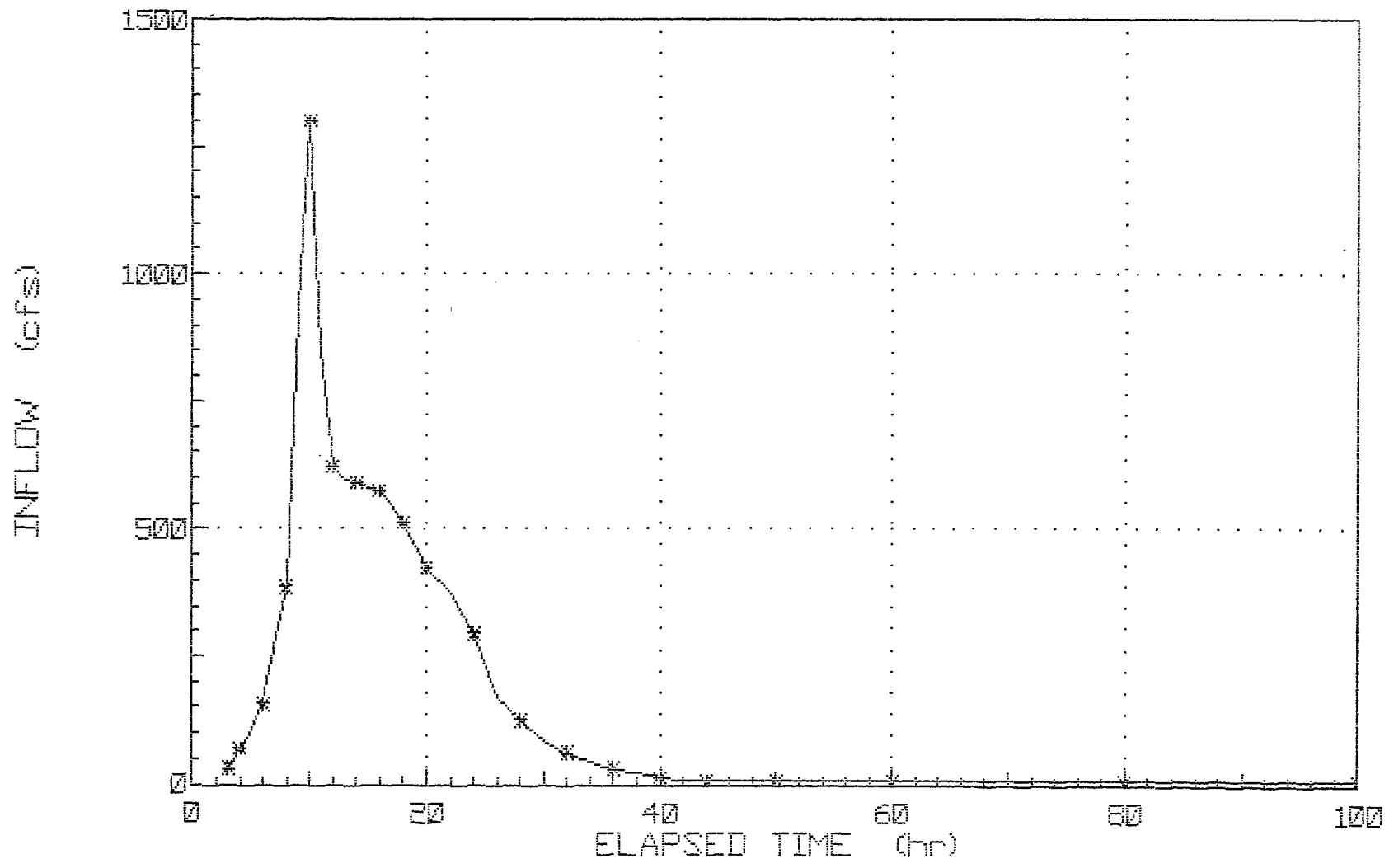
THIS WAS DONE SO YOU CAN REVIEW THE ORIGINAL SUBMITTAL VS THE REVISED (2 EXTRA X-SECTION). YOU CAN MAKE THE DECISION WHICH TO USE.

IF YOU HAVE ANY QUESTION I'LL BE BACK ON THE 13TH. I'LL STOP BY THAT WEEK TO GET THE ORIGINALS.

GREEN LAKE
INFLOW HYDROGRAPHS

TIME HOURS	PMF	1000-YEAR	500-YEAR	100-YEAR	50-YEAR	25-YEAR	10-YEAR	5-YEAR
PEAK (CFS)	168,000	3,100	2,400	1,300	995	700	425	260
0	0	0	0	0	0	0	0	0
1	1,000	18	14	8	6	4	3	2
2	2,000	37	29	15	12	8	5	3
3	4,000	74	57	31	24	17	10	6
4	9,000	166	129	70	53	38	23	14
5	14,000	258	200	108	83	58	35	22
6	20,000	369	286	155	118	83	51	31
7	34,000	627	486	263	201	142	86	53
8	50,000	923	714	387	296	208	126	77
9	120,000	2,214	1,714	929	711	500	304	186
10	168,000	3,100	2,400	1,300	995	700	425	260
11	110,000	2,030	1,571	851	651	458	278	170
12	80,000	1,476	1,143	619	474	333	202	124
13	77,000	1,421	1,100	596	456	321	195	119
14	76,000	1,402	1,086	588	450	317	192	118
15	75,000	1,384	1,071	580	444	313	190	116
16	74,000	1,365	1,057	573	438	308	187	115
17	71,000	1,310	1,014	549	421	296	180	110
18	66,000	1,218	943	511	391	275	167	102
19	60,000	1,107	857	464	355	250	152	93
20	55,000	1,015	786	426	326	229	139	85
22	48,000	886	686	371	284	200	121	74
24	38,000	701	543	294	225	158	96	59
26	22,000	406	314	170	130	92	56	34
28	16,000	295	229	124	95	67	40	25
30	11,000	203	157	85	65	46	28	17
32	8,000	148	114	62	47	33	20	12
34	6,000	111	86	46	36	25	15	9
36	4,000	74	57	31	24	17	10	6
38	3,000	55	43	23	18	13	8	5
40	2,000	37	29	15	12	8	5	3
42	1,000	18	14	8	6	4	3	2
44	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0

UPSTREAM INFLOW HYDROGRAPH PLOT



ATTACHMENT 3

GREEN LAKE DAM OUTFALL RATING TABLE

FORMULA: $Q = C L H^{1.5}$

WHERE: Q = FLOW IN CFS

L = WEIR LENGTH

C = WEIR COEFFICIENT (1)

H = DEPTH OF FLOW ABOVE WEIR (HEAD)

RIGHT				MIDDLE				LEFT				TOTAL
H	C	L	Q	H	C	L	Q	H	C	L	Q	Q (CFS)
0.0	2.69	14.0	0	0.0	2.69	40.5	0	0.0	2.69	5.3	0	0
0.1	2.69	14.0	1	0.1	2.69	40.5	3	0.1	2.69	5.3	0	5
0.2	2.69	14.0	3	0.2	2.69	40.5	10	0.2	2.69	5.3	1	14
0.3	2.70	14.0	6	0.3	2.70	40.5	18	0.3	2.70	5.3	2	27
0.4	2.72	14.0	10	0.4	2.72	40.5	28	0.4	2.72	5.3	4	41
0.5	2.73	14.0	14	0.5	2.73	40.5	39	0.5	2.73	5.3	5	58
0.6	2.75	14.0	18	0.6	2.75	40.5	52	0.6	2.75	5.3	7	76
0.7	2.80	14.0	23	0.7	2.80	40.5	66	0.7	2.80	5.3	9	98
0.8	2.85	14.0	29	0.8	2.85	40.5	83	0.8	2.85	5.3	11	122
0.9	2.91	14.0	35	0.9	2.91	40.5	101	0.9	2.91	5.3	13	149
1.0	2.98	14.0	42	1.0	2.98	40.5	121	1.0	2.98	5.3	16	178
1.1	3.03	14.0	49	1.1	3.03	40.5	142	1.1	3.03	5.3	19	209
1.2	3.08	14.0	57	1.2	3.08	40.5	164	1.2	3.08	5.3	21	242
1.3	3.14	14.0	65	1.3	3.14	40.5	188	1.3	3.14	5.3	25	278
1.4	3.20	14.0	74	1.4	3.20	40.5	215	1.4	3.20	5.3	28	317
1.5	3.24	14.0	83	1.5	3.24	40.5	241	1.5	3.24	5.3	32	356
1.6	3.28	14.0	93	1.6	3.28	40.5	269	1.6	3.28	5.3	35	397
1.7	3.30	14.0	102	1.7	3.30	40.5	296	1.7	3.30	5.3	39	437
1.8	3.31	14.0	112	1.8	3.31	40.5	324	1.8	3.31	5.3	42	478
1.9	3.31	14.0	121	1.9	3.31	40.5	351	1.9	3.31	5.3	46	518
2.0	3.30	14.0	131	2.0	3.30	40.5	378	2.0	3.30	5.3	49	558
2.1	3.30	14.0	141	2.1	3.30	40.5	407	2.1	3.30	5.3	53	601
2.2	3.30	14.0	151	2.2	3.30	40.5	436	2.2	3.30	5.3	57	644
2.3	3.31	14.0	162	2.3	3.31	40.5	468	2.3	3.31	5.3	61	690
2.4	3.31	14.0	172	2.4	3.31	40.5	498	2.4	3.31	5.3	65	736
2.5	3.31	14.0	183	2.5	3.31	40.5	530	2.5	3.31	5.3	69	782
2.6	3.31	14.0	194	2.6	3.31	40.5	562	2.6	3.31	5.3	74	830
2.7	3.31	14.0	206	2.7	3.31	40.5	595	2.7	3.31	5.3	78	878
2.8	3.31	14.0	217	2.8	3.32	40.5	630	2.8	3.32	5.3	82	930
2.9	3.31	14.0	229	2.9	3.32	40.5	664	2.9	3.32	5.3	87	980
3.0	3.31	14.0	241	3.0	3.32	40.5	699	3.0	3.32	5.3	91	1031
3.1	3.31	14.0	253	3.1	3.32	40.5	734	3.1	3.32	5.3	96	1083
3.2	3.31	14.0	265	3.2	3.32	40.5	770	3.2	3.32	5.3	101	1136
3.3	3.31	14.0	278	3.3	3.32	40.5	806	3.3	3.32	5.3	105	1189
3.4	3.31	14.0	291	3.4	3.32	40.5	843	3.4	3.32	5.3	110	1244

(1) FROM TABLE 5-3 IN THE HANDBOOK OF HYDRAULICS

ASSUME ALL WEIRS AT 1.0 FOOT WIDE

LOWER DAM
OUTFALL RATING TABLE

FORMULA: $Q = C L H^{1.5}$

WHERE: Q = FLOW IN CFS

L = WEIR LENGTH

C = WEIR COEFFICIENT (1)

H = DEPTH OF FLOW AB

ELEVATION	LEFT/RIGHT				MIDDLE				TOTAL
	H	C	L	Q	H	C	L	Q	Q (CFS)
788.4	0.0	2.69	15.0	0	0.0	2.69	20.0	0	0
788.5	0.1	2.69	15.0	1	0.0	2.69	20.0	0	1
788.6	0.2	2.69	15.0	4	0.0	2.69	20.0	0	4
788.7	0.3	2.70	15.0	7	0.0	2.69	20.0	0	7
788.8	0.4	2.72	15.0	10	0.0	2.69	20.0	0	10
788.9	0.5	2.73	15.0	14	0.1	2.69	20.0	2	16
789.0	0.6	2.75	15.0	19	0.2	2.69	20.0	5	24
789.1	0.7	2.80	15.0	25	0.3	2.70	20.0	9	33
789.2	0.8	2.85	15.0	31	0.4	2.72	20.0	14	44
789.3	0.9	2.91	15.0	37	0.5	2.73	20.0	19	57
789.4	1.0	2.98	15.0	45	0.6	2.75	20.0	26	70
789.5	1.1	3.03	15.0	52	0.7	2.80	20.0	33	85
789.6	1.2	3.08	15.0	61	0.8	2.85	20.0	41	102
789.7	1.3	3.14	15.0	70	0.9	2.91	20.0	50	120
789.8	1.4	3.20	15.0	80	1.0	2.98	20.0	60	139
789.9	1.5	3.24	15.0	89	1.1	3.03	20.0	70	159
790.0	1.6	3.28	15.0	100	1.2	3.08	20.0	81	181
790.1	1.7	3.30	15.0	110	1.3	3.14	20.0	93	203
790.2	1.8	3.31	15.0	120	1.4	3.20	20.0	106	226
790.3	1.9	3.31	15.0	130	1.5	3.24	20.0	119	249
790.4	2.0	3.30	15.0	140	1.6	3.28	20.0	133	273
790.5	2.1	3.30	15.0	151	1.7	3.30	20.0	146	297
790.6	2.2	3.30	15.0	162	1.8	3.31	20.0	160	321
790.7	2.3	3.31	15.0	173	1.9	3.31	20.0	173	347
790.8	2.4	3.31	15.0	185	2.0	3.30	20.0	187	371
790.9	2.5	3.31	15.0	196	2.1	3.30	20.0	201	397
791.0	2.6	3.31	15.0	208	2.2	3.30	20.0	215	424
791.1	2.7	3.31	15.0	220	2.3	3.31	20.0	231	451
791.2	2.8	3.32	15.0	233	2.4	3.31	20.0	246	479
791.3	2.9	3.32	15.0	246	2.5	3.31	20.0	262	508
791.4	3.0	3.32	15.0	259	2.6	3.31	20.0	278	536
791.5	3.1	3.32	15.0	272	2.7	3.31	20.0	294	566
791.6	3.2	3.32	15.0	285	2.8	3.32	20.0	311	596
791.7	3.3	3.32	15.0	299	2.9	3.32	20.0	328	626
791.8	3.4	3.32	15.0	312	3.0	3.32	20.0	345	657
791.9	3.5	3.32	15.0	326	3.1	3.32	20.0	362	689
792.0	3.6	3.32	15.0	340	3.2	3.32	20.0	380	720

(1) FROM TABLE 5-3 IN THE HANDBOOK OF HYDRAULICS
ASSUME ALL WEIRS AT 1.0 FOOT WIDE

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=====

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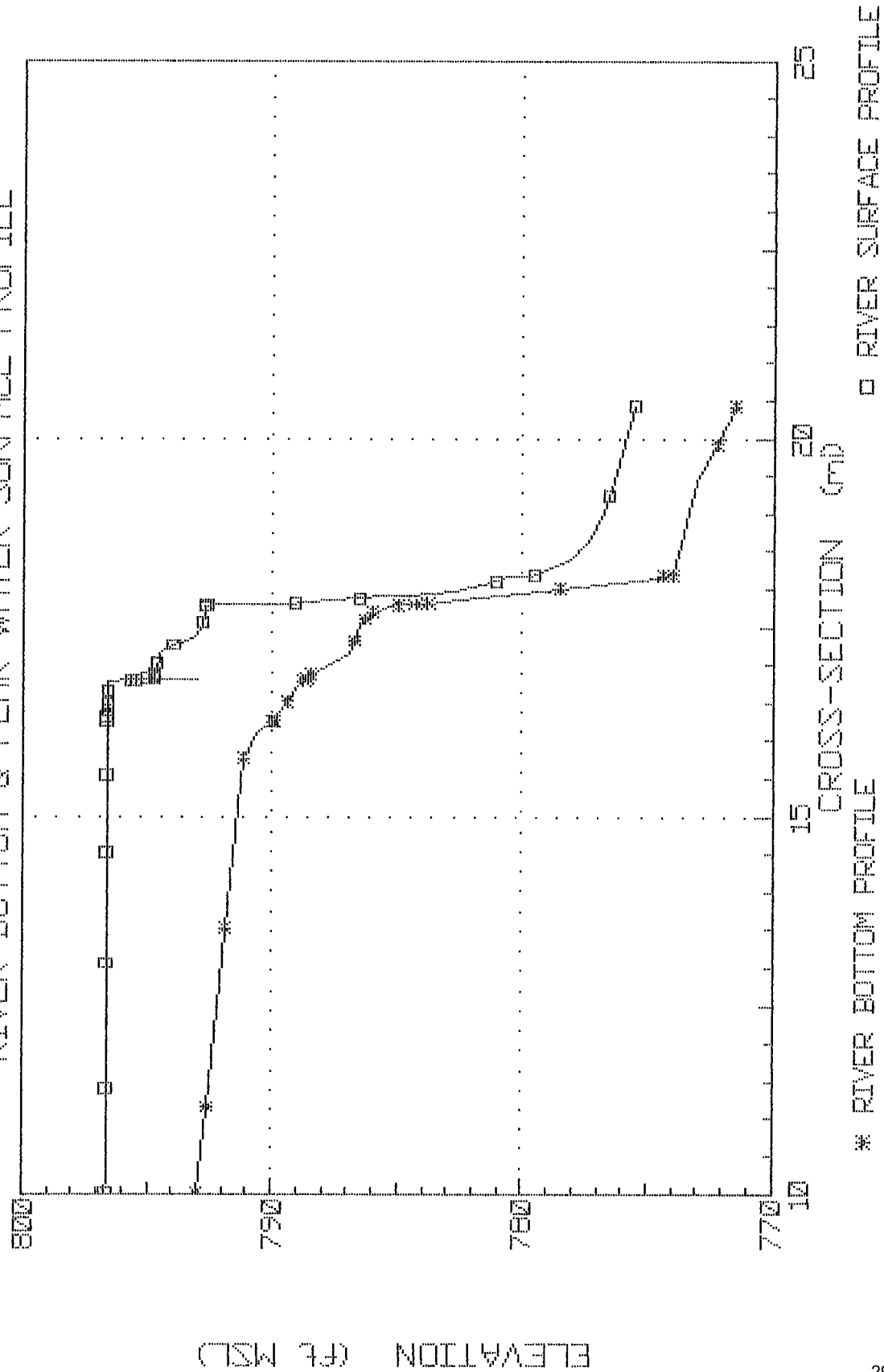
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PROJECT DESCRIPTION :

PROJECT TITLE : GREEN LAKE DAM FAILURE ANALYSIS (R)
PROJECT NUMBER : DONOHUE PROJECT NUMBER 17782.000
DESCRIPTION : 100-YEAR FAILURE OF GREEN LAKE DAM
ENGINEER : MRS. M. GALLOWAY
DATE OF RUN : 7/31/1990
TIME OF RUN : 11:05 am

DAM FAILURE
100-YEAR EVENT GREEN LAKE

FLOOD CREST SUMMARY
RIVER BOTTOM & PEAK WATER SURFACE PROFILE



PROJECT TITLE : GREEN LAKE DAM FAILURE ANALYSIS (R)

PROJECT NUMBER : DONOHUE PROJECT NUMBER 17782.000

7/31/1990

FLOOD CREST SUMMARY :

Cross Section Location (mi)	Maximum Stage Elevation (ft NSL)	Maximum Flow (cfs)	Time To Maximum Stage (hr)	Maximum Flow Velocity (ft/sec)	Flood Elevation (ft NSL)	Time To Flood Elevation (hr)
10.000	796.66	1300	26.288	.67	.00	.00
10.231	796.66	1194	26.213	.37	.00	.00
10.462	796.66	1140	26.163	.25	.00	.00
10.693	796.66	1109	26.100	.19	.00	.00
10.924	796.66	1068	26.050	.14	.00	.00
11.155	796.66	1022	26.000	.11	.00	.00
11.403	796.65	970	25.938	.09	.00	.00
11.652	796.65	919	25.900	.08	.00	.00
11.900	796.65	872	25.863	.06	.00	.00
12.149	796.65	826	25.800	.05	.00	.00
12.376	796.65	785	25.775	.05	.00	.00
12.604	796.65	743	25.725	.04	.00	.00
12.831	796.65	700	25.700	.04	.00	.00
13.058	796.65	655	25.650	.04	.00	.00
13.286	796.65	610	25.638	.03	.00	.00
13.513	796.65	563	25.600	.03	.00	.00
13.714	796.65	523	25.550	.03	.00	.00
13.915	796.65	488	25.538	.02	.00	.00
14.117	796.65	491	25.513	.02	.00	.00
14.318	796.65	492	25.488	.02	.00	.00
14.519	796.65	498	25.463	.03	.00	.00
14.720	796.65	503	25.438	.03	.00	.00
14.922	796.65	506	25.375	.03	.00	.00
15.123	796.65	508	25.375	.03	.00	.00
15.230	796.65	508	25.363	.03	.00	.00
15.338	796.65	510	25.338	.03	.00	.00
15.445	796.65	512	25.325	.04	.00	.00
15.552	796.65	515	25.300	.04	.00	.00
15.660	796.65	521	25.288	.05	.00	.00
15.767	796.65	533	25.225	.06	.00	.00
15.877	796.65	538	25.213	.07	.00	.00
15.988	796.65	538	25.163	.10	.00	.00
16.098	796.65	537	25.175	.17	.00	.00
16.250	796.65	535	25.100	1.80	.00	.00
16.260	796.65	693	25.113	4.79	.00	.00
16.265	796.64	693	25.113	8.75	.00	.00
16.270	796.64	693	25.113	5.99	.00	.00
16.274	796.64	693	25.113	4.58	.00	.00
16.279	796.64	694	25.113	3.72	.00	.00
16.284	796.64	694	25.125	3.14	.00	.00
16.296	796.64	695	25.113	2.22	.00	.00
16.308	796.64	698	25.100	1.72	.00	.00
16.320	796.64	700	25.100	1.39	.00	.00
16.332	796.64	703	25.113	1.17	.00	.00
16.344	796.64	706	25.100	1.00	.00	.00
16.356	796.64	710	25.100	.87	.00	.00
16.368	796.64	714	25.100	.77	.00	.00
16.380	796.64	719	25.113	.69	.00	.00

PROJECT TITLE : GREEN LAKE DAM FAILURE ANALYSIS (R)

PROJECT NUMBER : DONOHUE PROJECT NUMBER 17782.000

7/31/1990

FLOOD CREST SUMMARY :

Cross Section Location (mi)	Maximum Stage Elevation (ft MSL)	Maximum Flow (cfs)	Time To Maximum Stage (hr)	Maximum Flow Velocity (ft/sec)	Flood Elevation (ft MSL)	Time To Flood Elevation (hr)
16.392	796.64	725	25.100	.63	.00	.00
16.403	796.64	732	25.100	.57	.00	.00
16.415	796.64	747	25.100	.52	.00	.00
16.427	796.64	782	25.100	.48	.00	.00
16.439	796.64	816	25.100	.45	.00	.00
16.451	796.64	850	25.088	.41	.00	.00
16.463	796.64	883	25.088	.39	.00	.00
16.475	796.64	915	25.088	.36	.00	.00
16.487	796.64	946	25.088	.34	.00	.00
16.499	796.64	977	25.088	.32	.00	.00
16.511	796.64	1012	25.075	.30	.00	.00
16.544	796.64	1109	25.075	.34	.00	.00
16.577	796.64	1196	25.063	.40	.00	.00
16.611	796.64	1267	25.063	.50	.00	.00
16.644	796.64	1337	25.063	.63	.00	.00
16.677	796.64	1397	25.063	.84	.00	.00
16.710	796.64	1432	25.050	1.17	.00	.00
16.748	796.64	1460	25.038	1.50	.00	.00
16.786	796.64	1468	25.038	2.05	.00	.00
16.793	795.70	1468	25.288	6.82	.00	.00
16.794	795.68	1458	25.288	6.62	.00	.00
16.795	795.67	1448	25.288	6.42	.00	.00
16.796	795.65	1439	25.288	6.26	.00	.00
16.797	795.63	1433	25.288	6.06	.00	.00
16.798	795.60	1432	25.288	5.87	.00	.00
16.799	795.58	1430	25.288	5.69	.00	.00
16.800	795.55	1429	25.288	5.54	.00	.00
16.801	795.52	1428	25.288	5.42	.00	.00
16.801	795.49	1427	25.288	5.37	.00	.00
16.802	795.45	1426	25.288	5.40	.00	.00
16.803	795.41	1425	25.288	5.46	.00	.00
16.804	795.36	1424	25.288	5.56	.00	.00
16.805	795.31	1423	25.288	5.72	.00	.00
16.806	795.24	1422	25.288	5.93	.00	.00
16.807	795.16	1421	25.288	6.20	.00	.00
16.808	795.07	1420	25.288	6.52	.00	.00
16.815	793.14	1420	25.275	10.29	.00	.00
16.816	793.12	1420	25.275	9.89	.00	.00
16.817	793.09	1420	25.275	9.53	.00	.00
16.818	793.06	1421	25.275	9.21	.00	.00
16.819	794.78	1421	29.675	8.86	.00	.00
16.821	794.78	1419	29.750	8.59	.00	.00
16.822	794.78	1417	29.725	8.35	.00	.00
16.823	794.78	1415	29.713	8.11	.00	.00
16.824	794.78	1414	29.700	7.89	.00	.00
16.825	794.78	1412	29.750	7.69	.00	.00
16.826	794.78	1410	29.738	7.50	.00	.00
16.827	794.77	1408	29.750	7.31	.00	.00

PROJECT TITLE : GREEN LAKE DAM FAILURE ANALYSIS (R)

PROJECT NUMBER : DONOHUE PROJECT NUMBER 17782.000

7/31/1990

FLOOD CREST SUMMARY :

Cross Section Location (mi)	Maximum Stage Elevation (ft MSL)	Maximum Flow (cfs)	Time To Maximum Stage (hr)	Maximum Flow Velocity (ft/sec)	Flood Elevation (ft MSL)	Time To Flood Elevation (hr)
16.828	794.77	1405	29.775	7.14	.00	.00
16.829	794.77	1403	29.788	6.98	.00	.00
16.830	794.77	1401	29.725	6.83	.00	.00
16.831	794.77	1398	29.725	6.68	.00	.00
16.833	794.77	1395	29.775	6.54	.00	.00
16.834	794.77	1392	29.750	6.41	.00	.00
16.835	794.77	1390	29.750	6.28	.00	.00
16.836	794.77	1387	29.763	6.15	.00	.00
16.837	794.77	1383	29.750	6.03	.00	.00
16.838	794.77	1380	29.775	5.92	.00	.00
16.839	794.77	1377	29.788	5.80	.00	.00
16.840	794.76	1373	29.788	5.69	.00	.00
16.841	794.76	1370	29.763	5.58	.00	.00
16.842	794.76	1366	29.775	5.47	.00	.00
16.844	794.76	1362	29.788	5.37	.00	.00
16.845	794.76	1358	29.775	5.27	.00	.00
16.846	794.76	1354	29.838	5.16	.00	.00
16.847	794.76	1350	29.775	5.07	.00	.00
16.848	794.76	1346	29.775	4.97	.00	.00
16.849	794.76	1342	29.838	4.87	.00	.00
16.850	794.76	1338	29.788	4.77	.00	.00
16.851	794.76	1333	29.825	4.68	.00	.00
16.852	794.76	1329	29.838	4.59	.00	.00
16.853	794.76	1325	29.825	4.50	.00	.00
16.854	794.76	1320	29.813	4.40	.00	.00
16.856	794.76	1316	29.838	4.32	.00	.00
16.857	794.76	1312	29.788	4.23	.00	.00
16.858	794.76	1308	29.788	4.15	.00	.00
16.859	794.75	1304	29.788	4.07	.00	.00
16.860	794.75	1299	29.838	3.99	.00	.00
16.861	794.75	1295	29.825	3.91	.00	.00
16.862	794.75	1291	29.838	3.83	.00	.00
16.863	794.75	1287	29.788	3.75	.00	.00
16.864	794.75	1283	29.813	3.67	.00	.00
16.865	794.75	1278	29.813	3.60	.00	.00
16.867	794.75	1274	29.788	3.52	.00	.00
16.868	794.75	1270	29.825	3.45	.00	.00
16.869	794.75	1266	29.813	3.38	.00	.00
16.870	794.75	1262	29.825	3.31	.00	.00
16.871	794.75	1257	29.838	3.24	.00	.00
16.872	794.75	1253	29.813	3.17	.00	.00
16.918	794.71	1087	29.913	3.12	.00	.00
16.964	794.67	977	30.113	3.07	.00	.00
17.010	794.63	913	30.138	2.99	.00	.00
17.055	794.59	849	30.250	2.92	.00	.00
17.101	794.54	783	30.313	2.87	.00	.00
17.147	794.50	750	30.363	2.90	.00	.00
17.175	794.42	739	30.513	2.56	.00	.00

PROJECT TITLE : GREEN LAKE DAM FAILURE ANALYSIS (R)

PROJECT NUMBER : DONOHUE PROJECT NUMBER 17782.000

7/31/1990

FLOOD CREST SUMMARY :

Cross Section Location (mi)	Maximum Stage Elevation (ft MSL)	Maximum Flow (cfs)	Time To Maximum Stage (hr)	Maximum Flow Velocity (ft/sec)	Flood Elevation (ft MSL)	Time To Flood Elevation (hr)
17.204	794.32	731	30.588	2.29	.00	.00
17.232	794.18	725	30.713	2.10	.00	.00
17.260	793.99	721	30.800	2.05	.00	.00
17.289	793.74	719	30.900	2.14	.00	.00
17.317	793.47	718	31.038	2.36	.00	.00
17.383	793.14	717	31.175	2.02	.00	.00
17.450	792.93	715	31.288	1.84	.00	.00
17.516	792.79	714	31.350	1.90	.00	.00
17.533	792.77	714	31.350	1.47	.00	.00
17.550	792.76	714	31.363	1.24	.00	.00
17.567	792.76	714	31.338	1.09	.00	.00
17.584	792.75	714	31.338	.97	.00	.00
17.601	792.75	713	31.338	.89	.00	.00
17.612	792.74	713	31.338	.99	.00	.00
17.697	792.72	713	31.325	.71	.00	.00
17.735	792.71	713	31.325	.60	.00	.00
17.773	792.70	713	31.338	.63	.00	.00
17.775	792.70	713	31.325	.69	.00	.00
17.776	792.70	713	31.338	.76	.00	.00
17.778	792.69	713	31.338	.85	.00	.00
17.779	792.69	713	31.350	.97	.00	.00
17.781	792.68	713	31.338	1.13	.00	.00
17.782	792.67	713	31.350	1.35	.00	.00
17.784	792.65	713	31.325	1.69	.00	.00
17.786	792.60	713	31.338	2.26	.00	.00
17.787	792.46	713	31.338	3.47	.00	.00
17.792	792.40	713	31.350	3.42	.00	.00
17.797	792.43	713	31.363	2.99	.00	.00
17.801	792.44	713	31.338	2.65	.00	.00
17.803	789.14	713	31.388	7.72	.00	.00
17.805	789.13	713	31.388	6.28	.00	.00
17.808	789.13	713	31.363	4.90	.00	.00
17.810	789.14	713	31.350	3.68	.00	.00
17.812	789.14	713	31.388	2.79	.00	.00
17.825	788.96	713	31.375	3.41	.00	.00
17.837	788.63	713	31.363	4.56	.00	.00
17.850	787.59	713	31.350	7.72	.00	.00
17.875	786.54	712	31.313	5.38	.00	.00
17.901	785.50	712	31.325	4.39	.00	.00
17.926	784.52	712	31.363	3.79	.00	.00
17.951	783.58	712	31.375	3.36	.00	.00
17.977	782.76	712	32.038	2.83	.00	.00
18.002	782.43	712	32.375	1.62	.00	.00
18.053	781.63	710	33.000	1.92	.00	.00
18.103	781.10	709	33.263	2.29	.00	.00
18.154	780.75	708	33.301	1.34	.00	.00
18.159	780.70	708	33.301	1.62	.00	.00
18.164	780.62	708	33.301	2.06	.00	.00

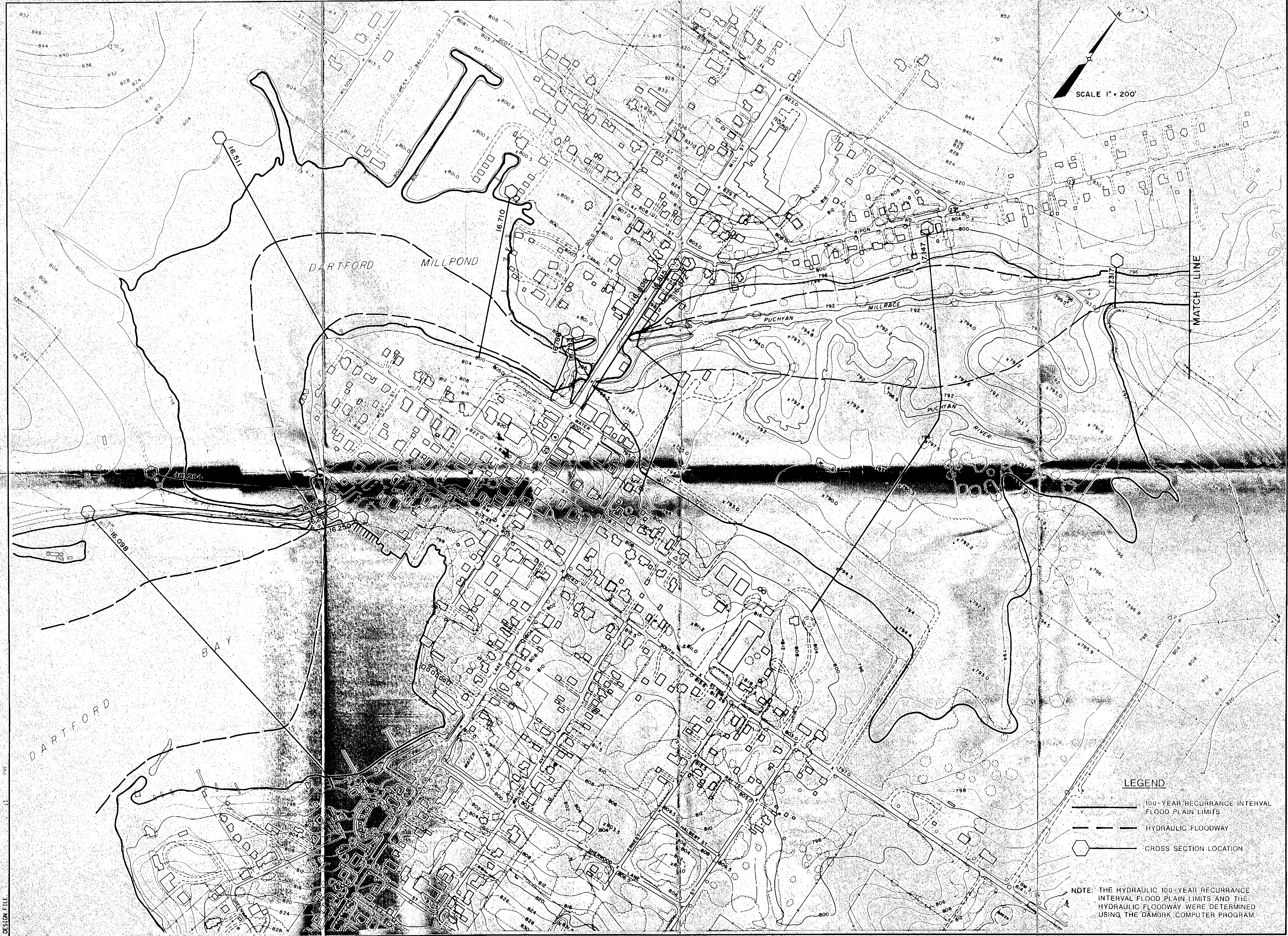
PROJECT TITLE : GREEN LAKE DAM FAILURE ANALYSIS (R)

PROJECT NUMBER : DONOHUE PROJECT NUMBER 17782.000

7/31/1990

FLOOD CREST SUMMARY :




Cross Section Location (mi)	Maximum Stage Elevation (ft MSL)	Maximum Flow (cfs)	Time To Maximum Stage (hr)	Maximum Flow Velocity (ft/sec)	Flood Elevation (ft MSL)	Time To Flood Elevation (hr)
18.168	780.42	708	33.313	2.86	.00	.00
18.173	779.89	708	33.401	4.83	.00	.00
18.178	779.63	708	33.476	5.19	.00	.00
18.184	779.53	708	33.476	4.21	.00	.00
18.190	779.45	708	33.488	3.54	.00	.00
18.196	779.39	708	33.463	3.05	.00	.00
18.401	778.10	707	34.076	1.50	.00	.00
18.606	777.49	707	34.888	1.15	.00	.00
18.812	777.08	705	36.201	.97	.00	.00
19.017	776.76	703	38.113	.86	.00	.00
19.222	776.52	700	39.351	.78	.00	.00
19.427	776.35	695	39.363	.69	.00	.00
19.927	775.95	685	39.376	.79	.00	.00
20.427	775.54	679	39.376	.81	.00	.00



SCALE 1" = 200'

MATCH LINE

LEGEND

-  100-YEAR RECURRENT INTERVAL FLOOD PLAIN LIMITS
-  HYDRAULIC FLOODWAY
-  CROSS SECTION LOCATION

NOTE: THE HYDRAULIC 100-YEAR RECURRENT INTERVAL FLOOD PLAIN LIMITS AND THE HYDRAULIC FLOODWAY WERE DETERMINED USING THE DAMBRK COMPUTER PROGRAM

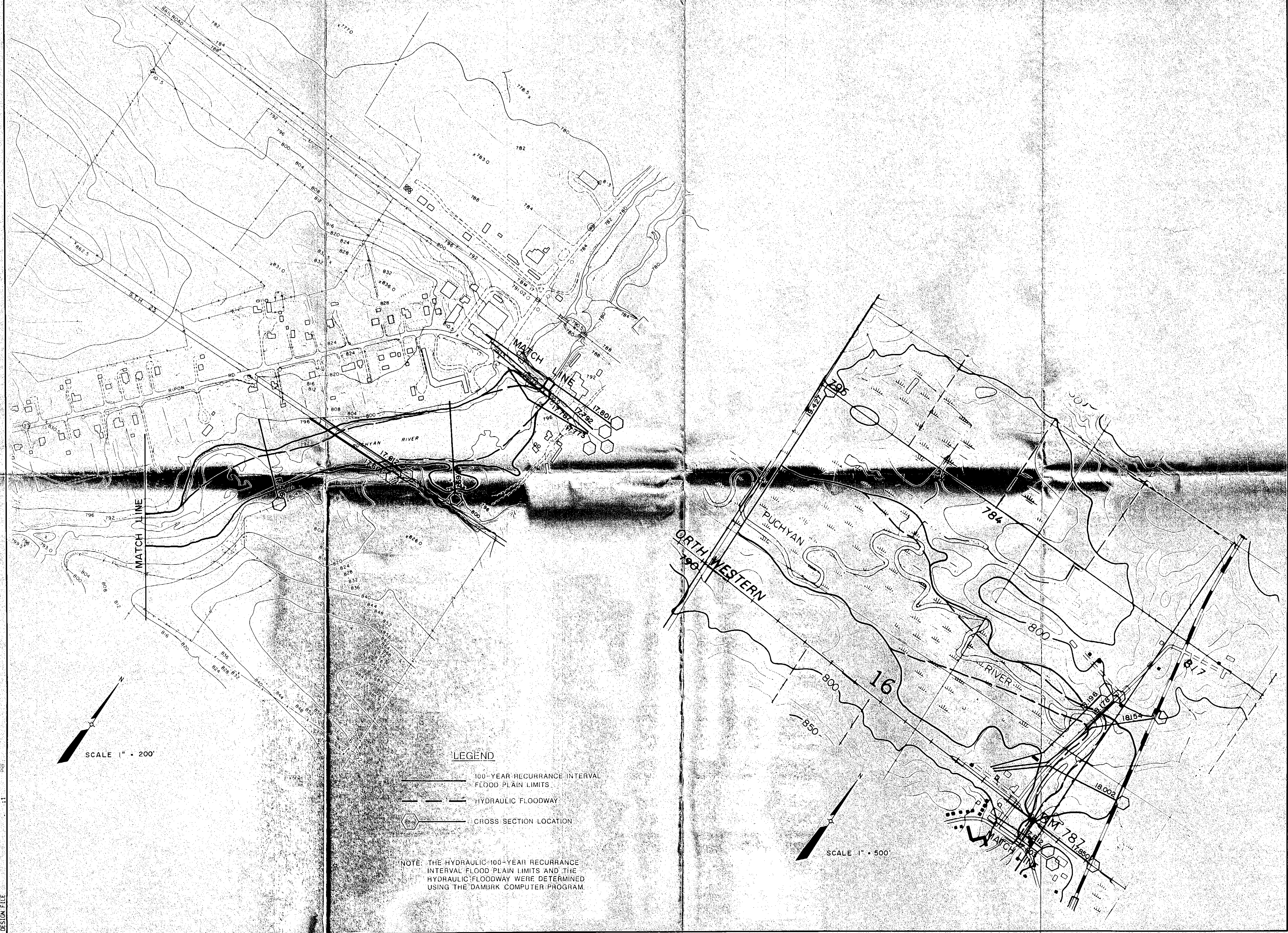
Scale	AS SHOWN
Date	6-18-90
Designer	MMG
Drafter	JLH
Checker	
Approver	
No.	
Revisions	

Donohue
ENGINEERS
ARCHITECTS
SCIENTISTS

**GREEN LAKE DAM FAILURE ANALYSIS
GREEN LAKE, WISCONSIN
100-YEAR FLOOD EVENT
WITH FAILURE OF GREEN LAKE DAM**

Sheet No.	1
MADISON Off. Loc.	M-10718 File No.
Project No.	17782.000
ATTACHMENT 6	
Drawing No.	

DESIGN FILE



SCALE 1" = 200'

LEGEND

- 100-YEAR RECURRENCE INTERVAL FLOOD PLAIN LIMITS
- - - - - HYDRAULIC FLOODWAY
- — CROSS SECTION LOCATION

NOTE: THE HYDRAULIC 100-YEAR RECURRENCE INTERVAL FLOOD PLAIN LIMITS AND THE HYDRAULIC FLOODWAY WERE DETERMINED USING THE DAMBRK COMPUTER PROGRAM.

SCALE 1" = 500'

AS SHOWN	6-18-90
DATE	MMG
DESIGNED BY	JLH
CHECKED BY	
APPROVED BY	
REV. NO.	NC

Donohue
 ENGINEERS
 ARCHITECTS
 SCIENTISTS

GREEN LAKE DAM FAILURE ANALYSIS
GREEN LAKE, WISCONSIN
 100 - YEAR FLOOD EVENT
 WITH FAILURE OF GREEN LAKE DAM

Sheet No.	2
MADISON Off. Loc.	M-10717 File No.
Project No.	177 82 000
ATTACHMENT 6	
Drawing No.	©

DESIGN FILE

NOTICE OF PUBLIC HEARING

The Green Lake County Land Use Planning and Zoning Committee will hold a public hearing in County Board Room #0902 of the Green Lake County Government Center, 571 County Road A, Green Lake, WI, on Thursday, January 7, 2021, at 5:00 p.m. to consider the following requests:

Item I: Owners: AEC Island, LLC and Yukon Partners, LLC **Applicant:** John Loberg **Site Locations:** W1726 North St. and W1702 North St., **General legal description:** Parcel #004-00410-0502, 004-00410-0523, 004-00410-0524, Lands located within Lot 1 CSM 904 and Units 3 and 4 of Yukon Partners Condominium Building 400 located within Lot 1 of CSM 3523, all in the SE1/4 of Section 17, Town 16 North, Range 13 East, Town of Brooklyn **Request:** A Conditional Use Permit to manufacture, assemble, sell, and store prefabricated buildings as well as to store associated construction materials.

All interested persons wishing to be heard at the public hearing are invited to attend. For further detailed information concerning this notice and for information related to the outcome of public hearing items, contact the Green Lake County **Land Use Planning and Zoning Department** at (920) 294-4156.

Publish: December 24, 2020

SUMMARY NOTICE OF PUBLIC HEARING

The Land Use Planning and Zoning Committee of *Green Lake County* will hold a public hearing in #0902 of the Government Center, 571 County Road A, Green Lake, WI, on *Thursday, January 7, 2021, at 5:00 p.m.* to consider the following items:

Item I: Applicant: John Loberg **Site:** W1726 North St. and W1702 North St., Town of Brooklyn **Request:** A Conditional Use Permit to manufacture, assemble, sell, and store prefabricated buildings as well as to store associated construction materials.

On December 24, 2020 the full text of the Notice of Public Hearing was published in Berlin Journal Newspapers and is available for viewing at the Berlin Journal, at www.co.green-lake.wi.us, at www.wisconsinpublicnotice.org and the public meeting notices board at the Green Lake County Court Government Center.

Publish: December 31, 2020

Land Use Planning and Zoning Committee Staff Report

Public Hearing

January 7, 2021

Item I: Conditional Use Permit (CUP)

Owners:

AEC Island, LLC
Yukon Partners, LLC

Applicant:

John Loberg (Yukon Cottages/Yukon Partners LLC)

Request: The owners/applicant are requesting a conditional use permit to manufacture, assemble, sell, and store prefabricated buildings on their properties as well as to store associated construction materials.

Parcel Number/ Location: The request affects parcel 004-00410-0502 (±5.72 acres) and parcel numbers 004-00410-0523 and 004-00410-0524 (±0.80 acres) located in the SE ¼ of the SE ¼ of Section 17, T16N, R13E, Town of Brooklyn. The site addresses are W1702 and W1726 North St.

Existing Zoning and Uses of Adjacent Area: The subject sites are currently zoned as I-Industrial District. Neighboring properties to the Southwest and Northeast are zoned as C2-Extensive Commercial District. Neighboring properties to the Southeast are zoned R3-Multiple Family Residence District. State Highway 23 borders the subject sites to the north.

General zoning will be associated with the parcels referenced above, these parcels do not fall under jurisdiction of shoreland or floodplain zoning.

Additional Information/Analysis: These sites have been used both commercially and industrially for at least 25 years. Currently the property associated with AEC Island LLC is used for the manufacturing of engines, mini-warehousing, leased storage buildings, and as a contractor's yard. The property associated with Yukon Partners, LLC is a condominium plat consisting of 4 condominium units. Presently, these units are being used for residential or commercial storage purposes.

The owner/applicant is requesting a conditional use permit for the manufacturing of mini-houses, etc. the staging/showing area of mini-houses, etc., and the storage of mini-houses, etc. on the referenced properties. This manufacturing use is only allowed in the I-Industrial District and then only by a conditional use permit. The applicant would like to utilize the AEC Island, LLC property for manufacturing, staging, and storing of these mini-houses, etc. Additionally, Units 3 and 4 on the Yukon Partners, LLC property would be utilized for manufacturing of the mini-houses, etc. If the business is successful, future development on the AEC Island parcel could occur which would have to be approved through future conditional use permit requests.

In 2019, the AEC Island, LLC property was approved for a conditional use permit for a "contractor's yard" as well as for an engine performance business, mini-warehousing, and three leased storage buildings. The request before the Committee at this time includes a "Staging and

Showing Area” for the mini-houses, etc. in the same location as the “contractor’s yard,” approved through the aforementioned 2019 CUP request. If the Committee approves of this CUP request, the “contractor’s yard” use will be eliminated.

It is important that the Committee maintain the purpose and intent of the County Zoning Ordinance when reviewing and approving a request of this nature. The following criteria are to be used by the Committee when making conditional use permit decisions:

General Criteria for Review of Conditional Use Requests:

- a) Will not have a negative effect upon the health, safety, and general welfare of occupants of surrounding lands; and a) Will not have a negative effect upon the health, safety, and general welfare of occupants of surrounding lands; and
- b) Will be designed, constructed, operated, and maintained so as to be harmonious, be appropriate in appearance with the existing or intended character of the general vicinity, and that such use will not change the essential character of the same area; and
- c) Will not be hazardous or disturbing to existing or future neighboring uses; and
- d) Will not be detrimental to property in the immediate vicinity or to the community as a whole; and
- e) Will be served by essential public facilities and services such as highways, streets, police and fire protection, drainage structures, and schools; the persons or agencies responsible for the establishment of the proposed use shall be able to provide, adequately, any such service; and
- f) Will have vehicular approaches to the property that shall be so designed as not to create an interference with traffic on surrounding public or private streets or roads.

County Staff Comments: This request should be reviewed by the Committee to determine if it meets the general criteria for review as listed above. If the Committee wishes to approve this request, the following conditions may be appropriate:

1. No additional expansion or addition of structures and/or uses relating to this conditional use permit shall occur without review and approval through future conditional use permit(s).
2. The “contractor’s yard” use as approved on the 2019 AEC Island, LLC CUP is eliminated.
3. Hours of operation / manufacturing shall occur between 6:00am and 6:00pm.
4. If on-site lighting is proposed, only the subject sites shall be illuminated, and the lighting shall occur with no direct glare affecting adjoining properties or adjacent traffic.
5. Outside storage / staging of materials or finished mini-houses, etc. shall be limited to the designated areas on the CUP site plan.
6. Storage of materials must comply with standards listed in Chapter 350, Zoning Ordinance, of the Code of Green Lake County. *This implies that no vehicles without proper registration may be stored on the property, unless fully enclosed in a structure. Similarly, no materials or equipment shall be stacked or stored in a manner that shall be*

of such character as to adversely affect the property values and general desirability of the neighborhood.

7. All motor vehicles stored on either site must be in roadway worthy condition and have current WDOT registration.
8. All accessory equipment stored on either site must be in workable condition.
9. All construction materials stored on either site must be suitable for future use.
10. Storage of construction debris and other material not suitable for future use is prohibited.
11. Anything stored on either site that does not meet the above conditions must be stored within an enclosed structure.

Town of Brooklyn: The Town Board Action request for the Conditional Use Permit was approved on December 1, 2020 by the Town Representative.

COPY

Fee Received (Non-Refundable) 19725
\$375.00

Date 10-23-20

By signing and submitting this completed application with public hearing fee, the applicant or agent requests the Land Use Planning & Zoning Committee consider the conditional use permit request at the next available public hearing.

PROPERTY OWNER / APPLICANT

Name AEC Island LLC

Mailing Address W1702 North St.

Phone Number 920 960 1409 Email _____

Signature [Signature] Date 10-23-2020

AGENT IF OTHER THAN OWNER

Name John Loberg

Mailing Address W1734 North St., Suite 200, Green Lake, WI 54941

Phone Number 920-6957 Email _____

Signature [Signature] Date 10-20-2020

PROPERTY INFORMATION

Town of Brooklyn Location of Property W1726 North St.
W1702 North St.

Section 17 Town 16 N Range 13 E

Affected Parcel Number(s) 004-00410-0502, 0521, Affected Acres ± 6.7a

Subdivision _____ Lot 0523, 0524, and 0525 Block _____

CSM _____ Lot _____ or COS _____

Legal Description see attached Addendum

Current Zoning Classification Industrial

Present Use of Property: (List all current uses and improvements, i.e. home, store, farm field, wooded, etc.)

Engine Manufacturing, Mini-warehouse, leased Storage buildings, contractor's yard

PROPOSAL - Use separate or additional sheet(s) IF necessary

Describe specifically the nature of this request (List all proposed uses of the parcel.) What do you plan to do? Locate a manufacturing use to construct pre-fab mini-houses, cottages, bathhouses, she-sheds, mini-offices, garden sheds. These structures will be built and stored on the site. Also materials of construction will also be stored on site. See Operational Plan.

If this application is for a use that will be contained to a part of the parcel, specify the exact dimensions of the affected area. see site plan

If this box is checked, provide the following information:

Proposed use has additional minimum development standards in Section _____.
Explain how your proposal meets or exceeds these requirements.

OPERATIONAL PLAN NARRATIVE

October 23, 2020

AEC Island / Yukon Cottages & Mini-homes CUP

Operational Plan Narrative:

There are two properties that the proposed CUP impacts. Both AEC Island and John Loberg DBA "Yukon Partners LLC" are currently regulated under separate but existing conditional use permits.

AEC Island is a storage and property leasing business. Currently leasing to approximately 22 various business and individuals. The largest leaser being Advanced Engine Concepts. See attached mission statement from 2011. In 2019, AEC Island's CUP was updated to add a contractor's yard use to a designated area on the property.

The other property affected by this CUP request was owned by John Loberg, but has recently been recorded as a condominium plat. This property was granted a CUP back in 2018 for a storage building.

The intended use for portions of both of the above properties is to add a new use. These properties would be used to manufacture pre-fab mini-houses and cottages, boathouses, "she-sheds", garden sheds, mini-offices and other small buildings that can be constructed using a pre-fabricated process. The site plan indicates several areas to be utilized:

Building #1: This building is used exclusively by Advanced Engine Concepts and is covered under a previous CUP.

Building #2: This building will be where the manufacturing of these buildings or material storage can take place.

Building #3: This building will be where materials will be stored and manufacturing may take place as well.

Building #4: This building is used exclusively as a mini-warehouse and is covered under a previous CUP.

Building #5: This building has four storage units. Units 3 & 4 are proposed under this CUP application to be utilized as the main area for the manufacturing of these pre-fabricated buildings.

Staging / Storage Area: Along the western boundary of the property will be where the pre-fab buildings will be staged for relocation and for display. Also a code-compliant on-site advertising sign will be placed on this identified location.

Mini-House Storage: There is a line of trees that screens the residential use to the south. A storage area for these pre-fab structure has been identified just north of this screen. This area could also be utilized for material storage.

The private driveway extending to North Street will be utilized for this manufacturing use as necessary.

The manufacturing use will occur between the hours of 6:00am and 6:00pm and will employ at least 6 workers. In the event that this business activity "takes-off" there is the possibility that this CUP will need to be updated in the future to include expansion of the use as well as a larger manufacturing building that will better accommodate all facets of the manufacturing process. Your consideration of this conditional use permit request is greatly appreciated.



Green Lake County

1 inch = 152 feet

Geographic Information System (GIS)
<https://gis.co.green-lake.wi.us/>

GIS Viewer Map
 Green Lake County, WI

Note:

Time: 8:18:21 AM
 Date: 10/20/2020

