DANE COUNTY DEPARTMENT OF PUBLIC WORKS

BABCOCK AND LAFOLLETTE PARKS - LOCKS AND DAMS RENOVATION PHASE 1 - CONCRETE AND SCOUR REPAIRS



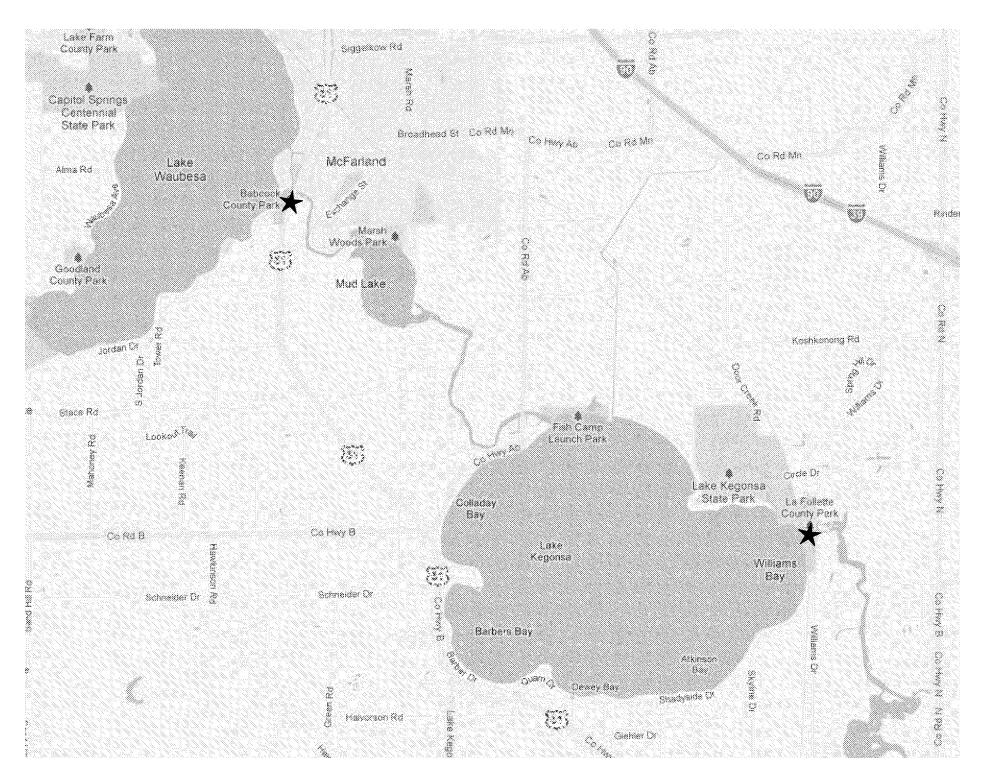
Department of Public Works Highway and Transportation 1919 Alliant Energy Center Way Madison, Wisconsin 53173 (608)-266-4018

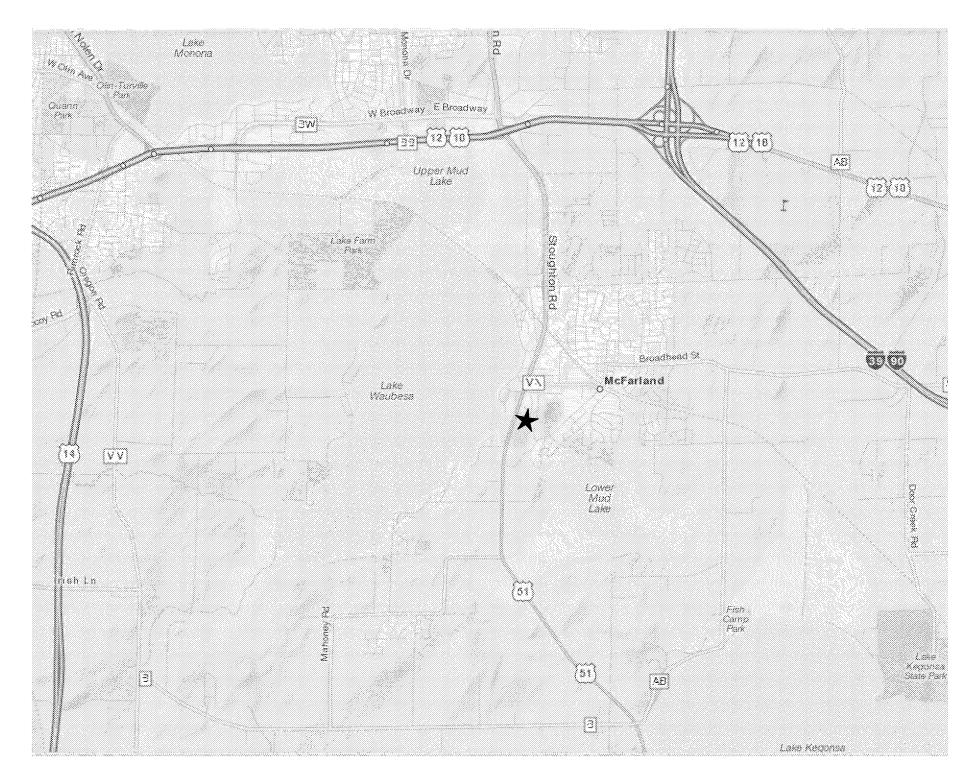
One Honey Creek Corporate Center

125 South 84th Street, Suite 401 Milwaukee, WI 53214-1470 414 / 259 1500 414 / 259 0037 fax

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LOCATION MAPS PROJECT NO 311030







LAFOLLETTE LOCK AND DAM LOCATION PLAN

COMBINED LOCATION PLAN

BABCOCK LOCK AND DAM LOCATION PLAN

DRAWING INDEX

COVER SHEET

CIVIL		STRUCTURAL	
C-1	EXISTING SITE PLAN - BABCOCK LOCK AND DAM	S-1	-GENERAL NOTES
C-2	-PROPOSED SITE PLAN - BABCOCK LOCK AND DAM-	S-2	CONCRETE REPAIRS - BABCOCK LOCK AND DAM
C-3	EXISTING SITE PLAN - LAFOLLETTE LOCK AND DAM	S-3	-RENOVATION PLANS - BABCOCK LOCK AND DAM-
C-4	PROPOSED SITE PLAN - LAFOLLETTE LOCK AND DAM	S-4	CONCRETE REPAIRS - LAFOLLETTE LOCK AND DAM
C-5	-SITE AND EROSION CONTROL DETAILS -	S-5	-RENOVATION PLANS - LAFOLLETTE LOCK AND DAM-
C-6	-FENCE DETAILS -	S-6	CONCRETE REPAIR DETAILS
C-7	SCOUR REPAIR DETAILS	S-7	-LOCK GATE ELEVATION AND DETAILS -
		S-8	-DAM PLATFORMS -
		S-9	-DAM GATE SECTIONS AND DETAILS
		S-10	-EQUIPMENT SHED SECTIONS AND DETAILS
		S-11	FISHING PLATFORM SECTIONS AND DETAILS - BABCOCK AND LAF
NOTE	ODGGGED GUIT GUITET TITLEG IN DRAWING INDEV ARE FOR MORK IN RUAGE G		

ELECTRICAL

E-0	-ELECTRICAL SYMBOLS, ABBREVIATIONS AND SHEET INDEX

E ELECTRICAL PLAN - BABCOCK LOCK AND DAM

MECHANICAL

collaborate

formulate

innovate

NOTE: CROSSED OUT SHEET TITLES IN DRAWING INDEX ARE FOR WORK IN PHASE 2

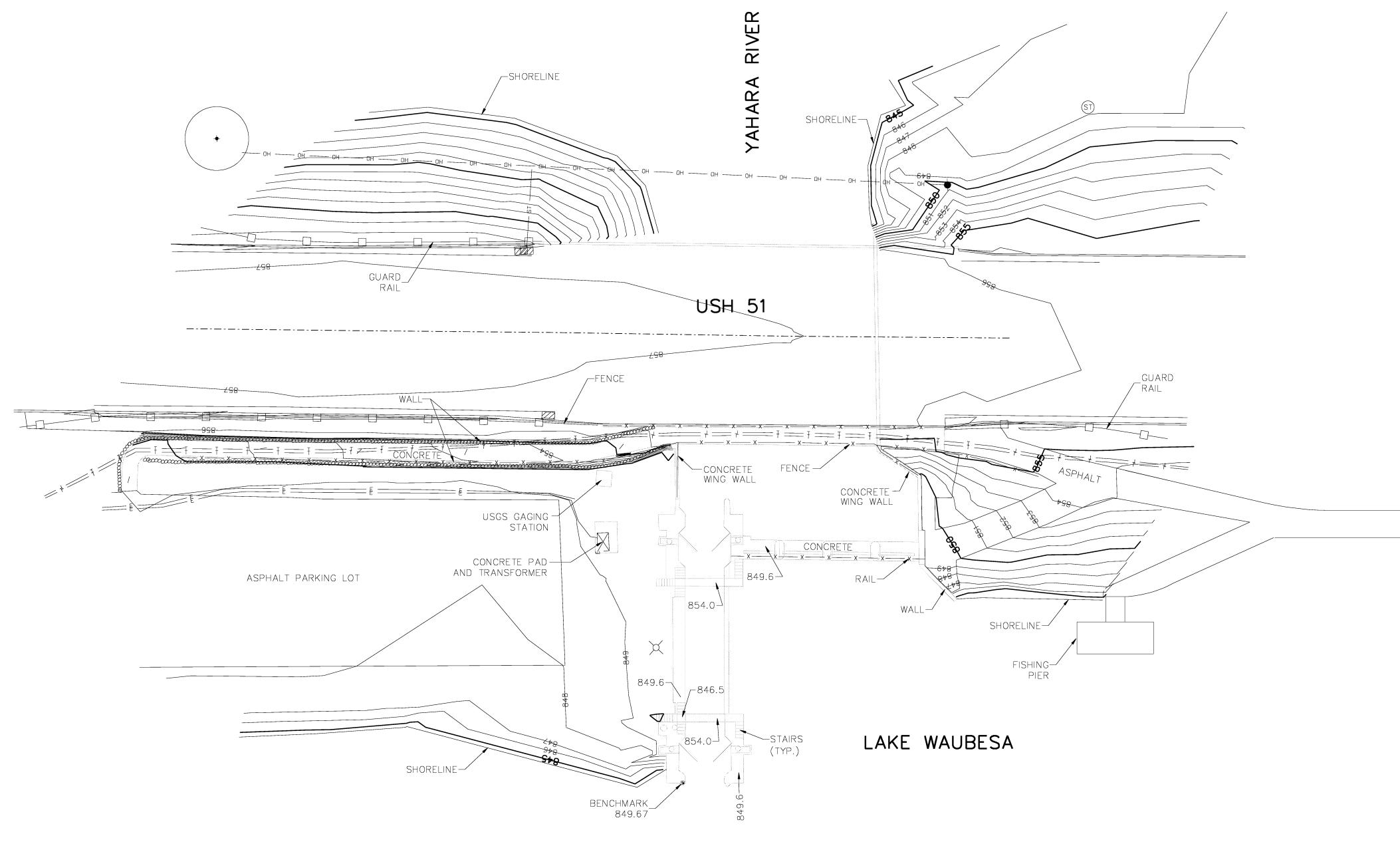
GREF

GENERAL NOTES

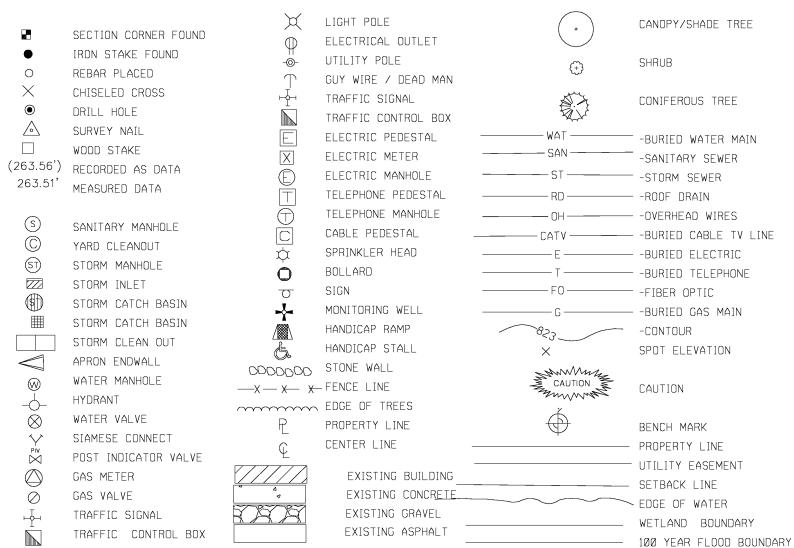
- 1) SITE SURVEY DATA PROVIDED BY ARNOLD AND O'SHERIDAN INC. FIELD VERIFY EXISTING STRUCTURE CONFIGURATION AND CONDITIONS PRIOR TO START OF CONSTRUCTION.
- 2) IN ACCORDANCE WITH WISCONSIN STATUTE 182.0175, "DAMAGE TO TRANSMISSION FACILITIES", EXCAVATOR SHALL BE SOLEY RESPONSIBLE TO PROVIDE ADVANCE NOTICE TO THE DESIGNATED "ONE CALL SYSTEM" NOT LESS THAN THREE WORKING DAYS PRIOR TO COMMENCEMENT OF ANY EXCAVATION REQUIRED TO PERFORM WORK CONTAINED IN THIS PROJECT, AND FURTHER, EXCAVATOR SHALL COMPLY WITH ALL OTHER REQUIREMENTS OF THIS STATUTE RELATIVE TO EXCAVATORS WORK.
- 3) CONTRACTOR, PRIOR TO ANY EXCAVATION WORK, SHALL NOTIFY
 (1) A DESIGNATED LOCATING SERVICE; (2) ALL UTILITIES,
 GOVERNMENTAL AGENCIES, ENTITIES, KNOWN TO, OR WHICH CAN
 REASONABLY BE ASSUMED TO, HAVE ABOVE OR BELOW GROUND
 PIPE, CONDUIT CABLES, STRUCTURES, OR SIMILAR ITEMS
 WITHIN LIMITS OF THE PROJECT; TO LOCATE AND MARK LOCATION
 OF SUCH ITEMS.



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LEGEND



EXISTING SITE PLAN - BABCOCK LOCK AND DAM

TYPICAL WINTER WATER ELEVATIONS RANGE FROM 843.5 TO 844.25

TYPICAL WINTER WATER FLOW RATES RANGE FROM 300 TO 500 CFS

EXPECTED WATER ELEVATION FROM STORM EVENTS ARE 846.80

EXPECTED WATER FLOW RATES FROM STORM EVENTS ARE 1075 CFS

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CONSULTANTS:

PROJECT TITLE:

DANE COUNTY
DEPARTMENT OF PUBLIC WORKS
BABCOCK AND LAFOLLETTE PARKS LOCKS AND DAMS RENOVATION
PHASE 1 - CONCRETE AND SCOUR REPAIR

ISSUE:

PROJECT INFORMATION:

PROJECT NUMBER: 2011-5012

DATE: 10-13-2011

DRAWN BY: CHECKED BY:

APPROVED BY: MJH

WOIT

SCALE: AS SHOWN

SHEET TITLE:

EXISTING SITE PLAN -BABCOCK LOCK AND DAM

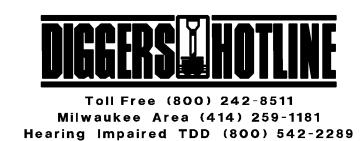
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C-1

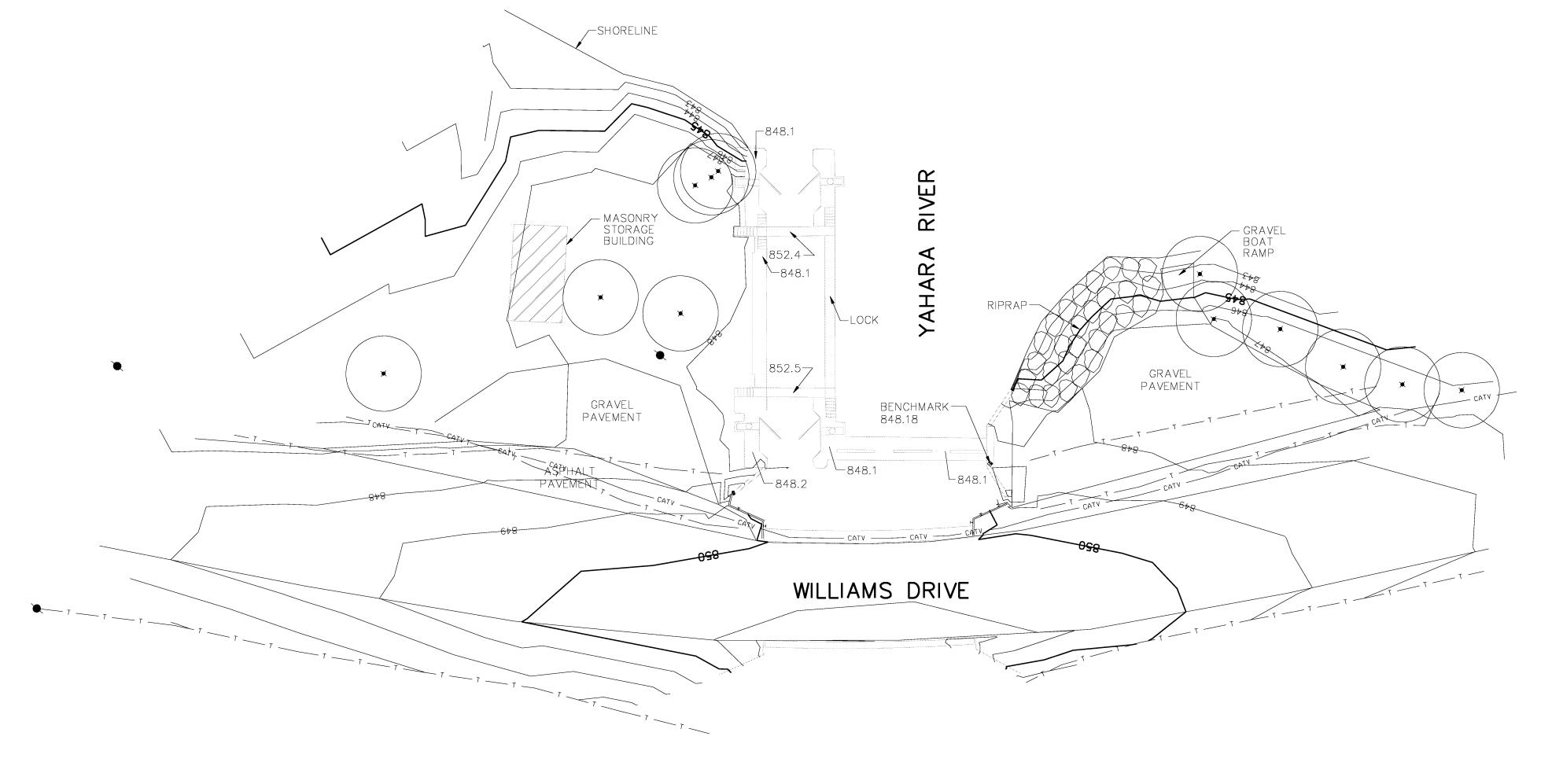
GROEF

GENERAL NOTES

- 1) SITE SURVEY DATA PROVIDED BY ARNOLD AND O'SHERIDAN INC. FIELD VERIFY EXISTING STRUCTURE CONFIGURATION AND CONDITIONS PRIOR TO START OF CONSTRUCTION.
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LAKE KEGONSA

EXISTING SITE PLAN — LAFOLLETTE LOCK AND DAM

TYPICAL WINTER WATER ELEVATIONS RANGE FROM 842.5 TO 843.00 TYPICAL WINTER WATER FLOW RATES RANGE FROM 300 TO 500 CFS EXPECTED WATER ELEVATION FROM STORM EVENTS ARE 845.00 EXPECTED WATER FLOW RATES FROM STORM EVENTS ARE 978 CFS



LIGHT POLE ■ SECTION CORNER FOUND ELECTRICAL OUTLET IRON STAKE FOUND UTILITY POLE REBAR PLACED GUY WIRE / DEAD MAN CHISELED CROSS TRAFFIC SIGNAL DRILL HOLE ELECTRIC PEDESTAL

SURVEY NAIL WOOD STAKE (263.56') RECORDED AS DATA 263.51' MEASURED DATA SANITARY MANHOLE YARD CLEANOUT STORM MANHOLE STORM INLET

STORM CATCH BASIN STORM CATCH BASIN STORM CLEAN OUT APRON ENDWALL WATER MANHOLE HYDRANT WATER VALVE SIAMESE CONNECT POST INDICATOR VALVE GAS METER GAS VALVE

TRAFFIC SIGNAL

TRAFFIC CONTROL BOX

TELEPHONE PEDESTAL TELEPHONE MANHOLE CABLE PEDESTAL SPRINKLER HEAD BOLLARD SIGN MONITORING WELL HANDICAP RAMP HANDICAP STALL OODOOOO STONE WALL —X — X— X— FENCE LINE CENTER LINE

EDGE OF TREES EXISTING GRAVEL

PROPERTY LINE EXISTING BUILDING

LEGEND

TRAFFIC CONTROL BOX

ELECTRIC METER

ELECTRIC MANHOLE

- PROPERTY LINE EXISTING CONCRETE __ EDGE OF WATER EXISTING ASPHALT — 100 YEAR FLOOD BOUNDARY

CAUTION BENCH MARK - UTILITY EASEMENT

WETLAND BOUNDARY

SPOT ELEVATION

CANOPY/SHADE TREE

CONIFEROUS TREE

SHRUB

T --- -BURIED TELEPHONE

-CONTOUR

-----FIBER OPTIC

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10-13-2011

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EXISTING SITE PLAN -LAFOLLETTE LOCK AND DAM

SHEET NUMBER:

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APPROVED BY: MJ

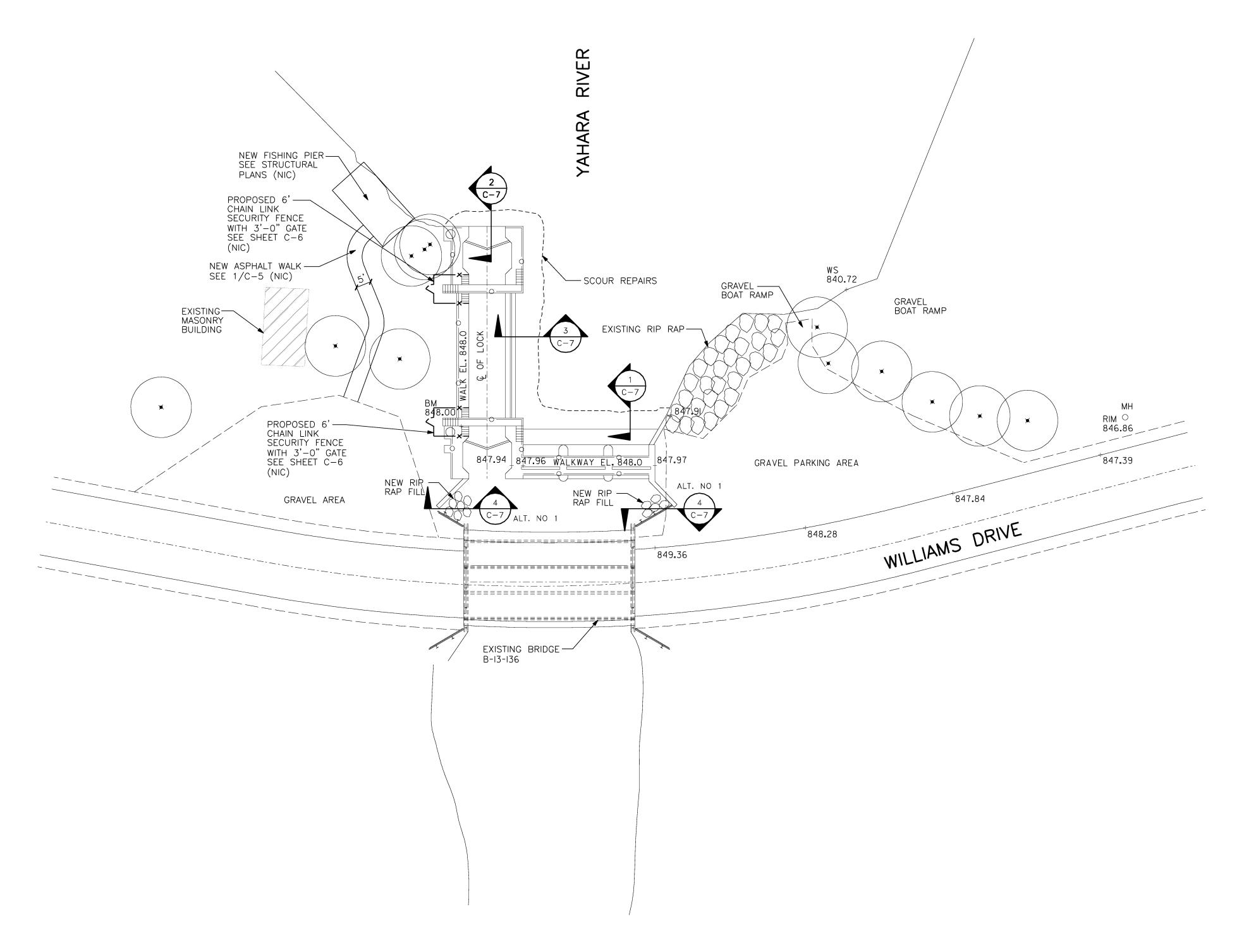
SCALE: AS SHOWN

SHEET TITLE:

PROPOSED SITE PLAN -LAFOLLETTE LOCK AND DAM

SHEET NUMBER:

C-4



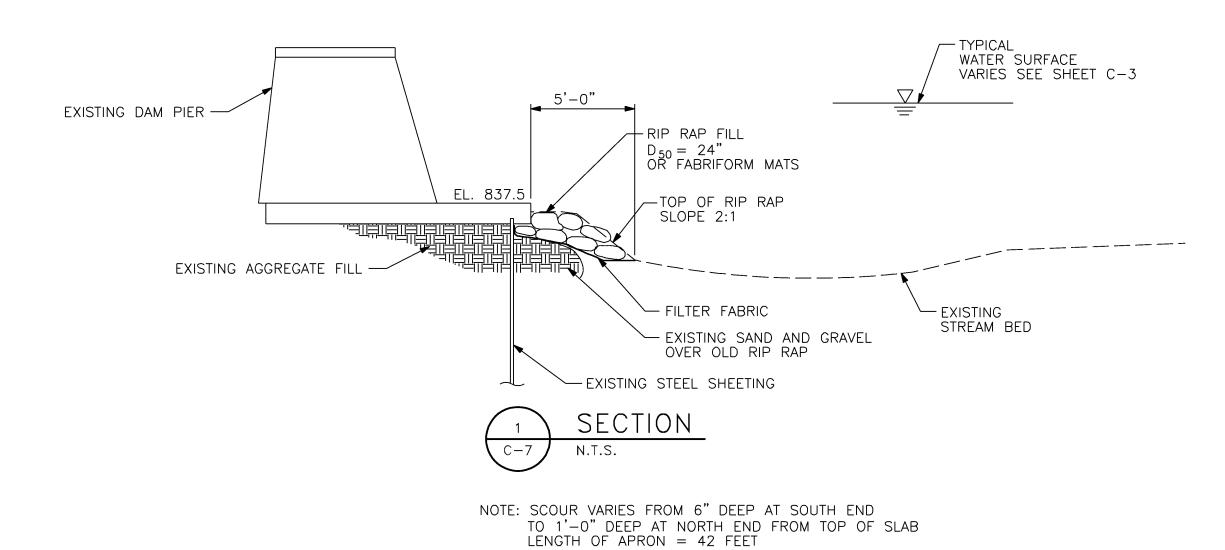
LAKE KEGONSA

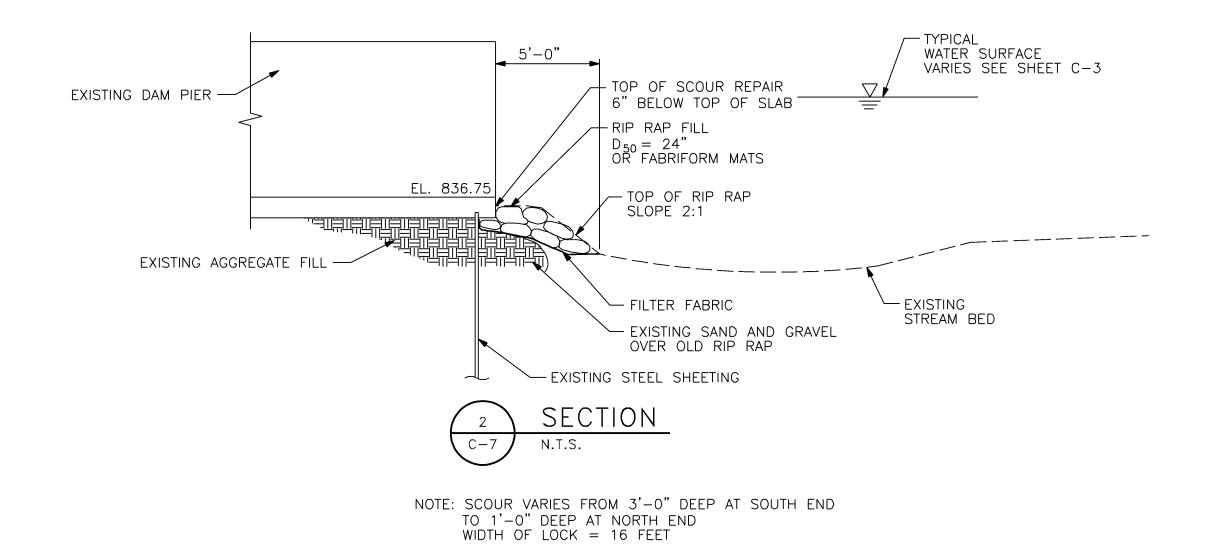
PROPOSED SITE PLAN — LAFOLLETTE LOCK AND DAM

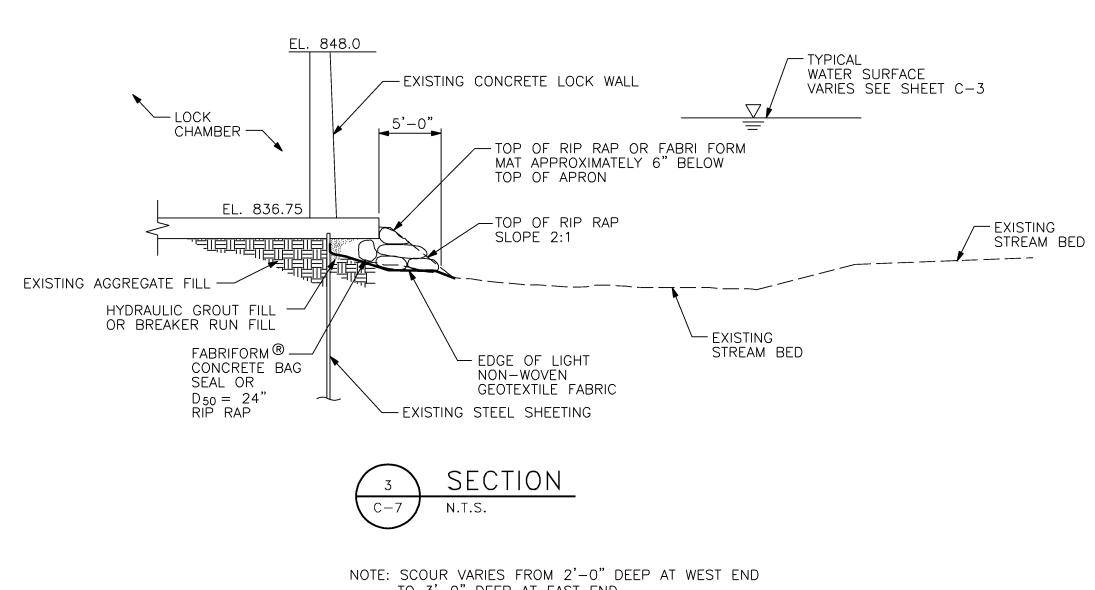
(NIC) - NOT IN CONTRACT

10' 20'

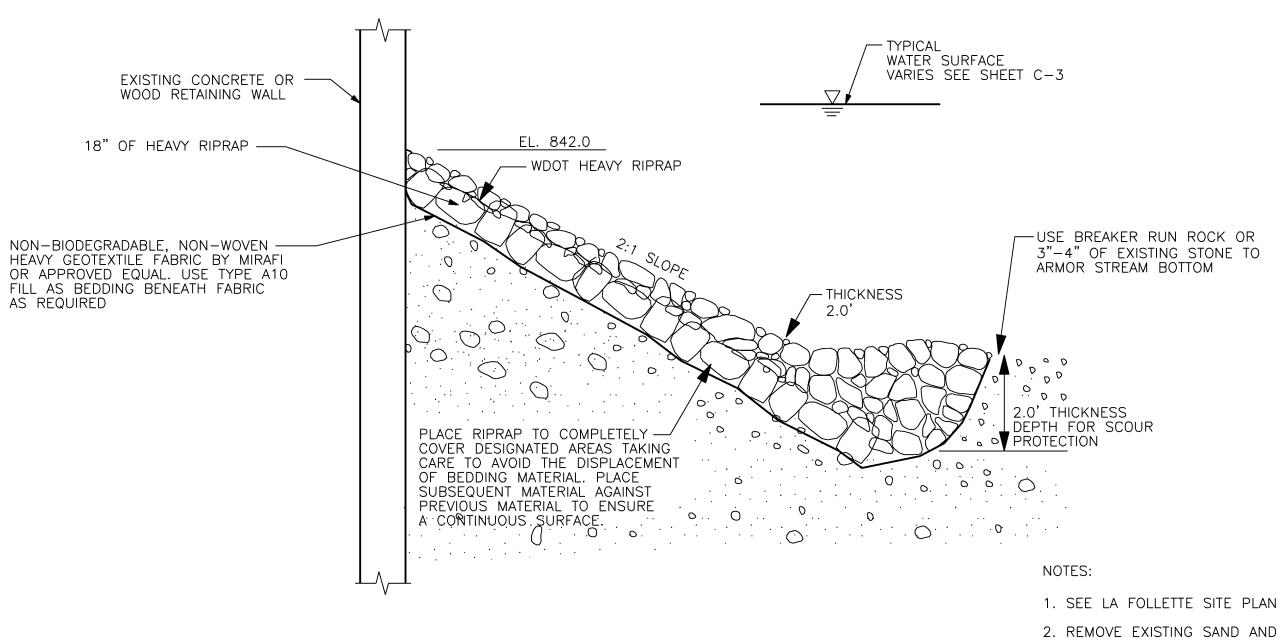
GRAEF







TO 3'-0" DEEP AT EAST END LENGTH OF LOCK = 74 FEET



HEAVY RIP RAP RESTORATION SECTION

(ALTERNATE BID)

1. SEE LA FOLLETTE SITE PLAN FOR SPECIFIC LOCATIONS. 2. REMOVE EXISTING SAND AND GRAVEL AS REQUIRED FOR RIP RAP PLACEMENT.

3. PLACE RIPRAP BY ANY MECHANICAL MEANS THAT PRODUCE A COMPLETED JOB WITHIN REASONABLE TOLERANCES OF THIS SECTION. LIMIT HANDWORK TO THE AMOUNT NECESSARY TO FILL LARGE VOIDS OR TO CORRECT SEGREAGATED AREAS.

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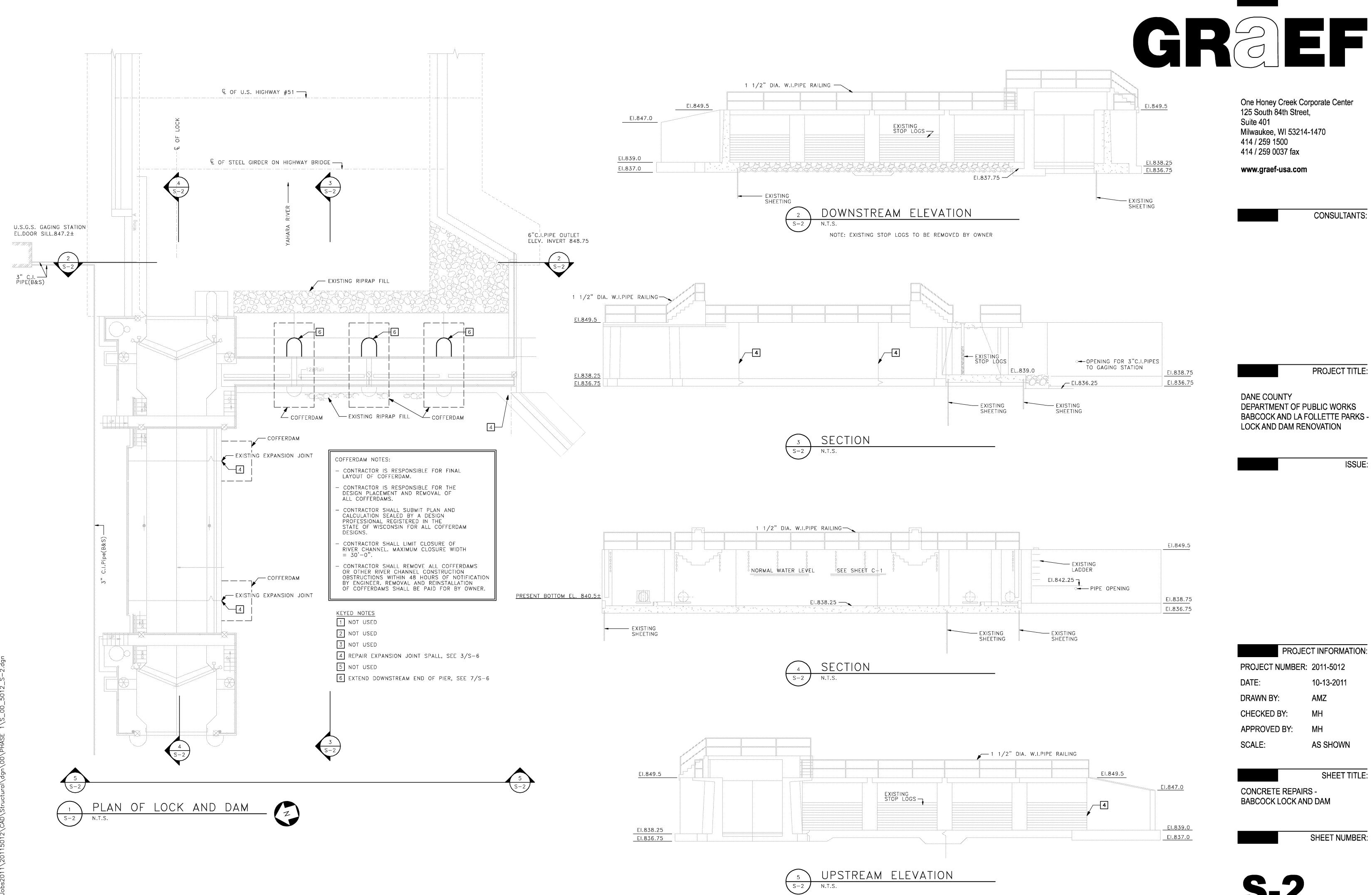
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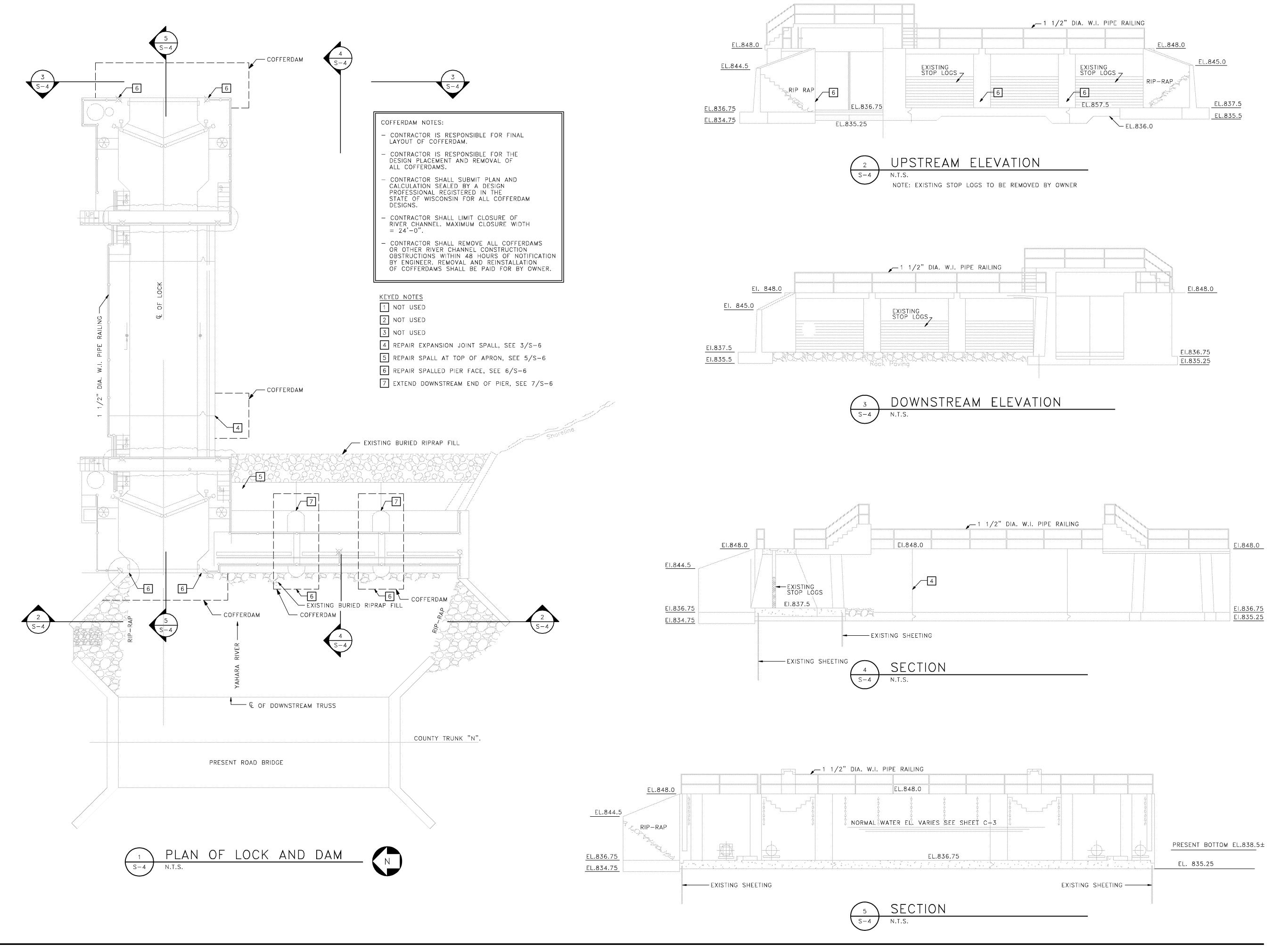
AS SHOWN SCALE:

SHEET TITLE:

SHEET NUMBER:

SCOUR REPAIR DETAILS





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ISSUE:

PROJECT INFORMATION:

PROJECT NUMBER: 2011-5012 DATE: 10-13-2011

DRAWN BY: AMZ

CHECKED BY:

APPROVED BY:

SCALE: AS SHOWN

SHEET TITLE:

CONCRETE REPAIRS -LA FOLLETTE LOCK AND DAM

SHEET NUMBER:



Suite 401

414 / 259 1500

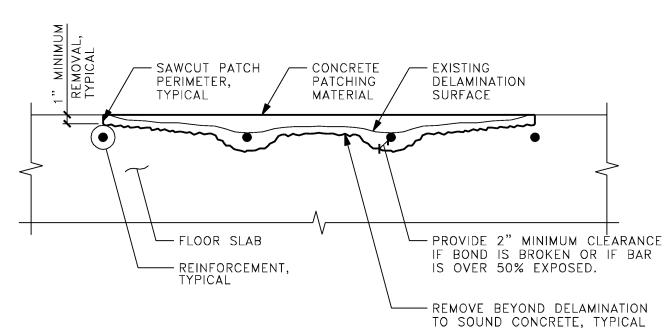
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125 South 84th Street,

Milwaukee, WI 53214-1470



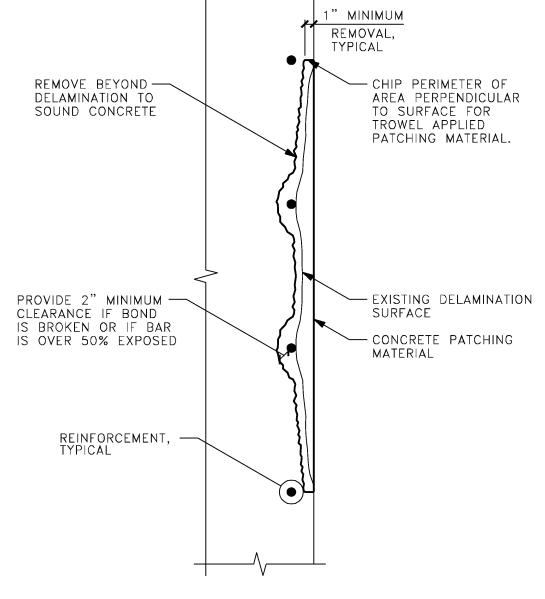


— EXISTING CONCRETE APRON

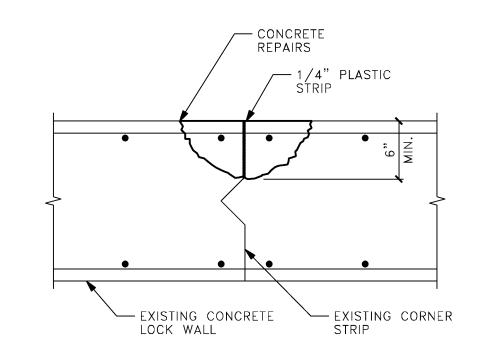
(PILE SUPPORTED)

NOTE: DETERIORATED CONCRETE APPROXIMATELY 4'-0" LONG

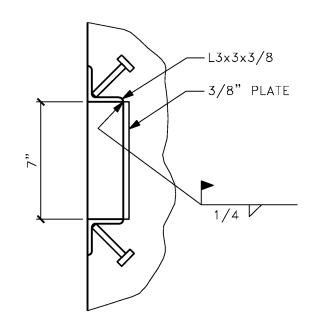
APRON REPAIR











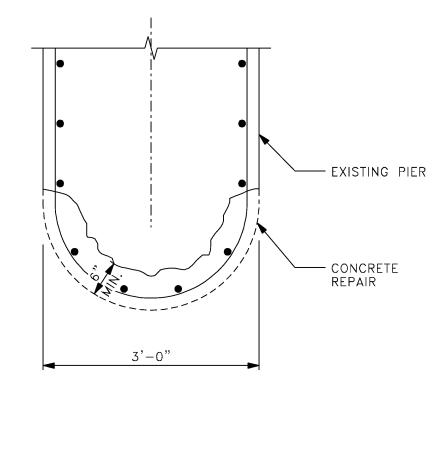
STOP LOG CHANNEL DETAIL



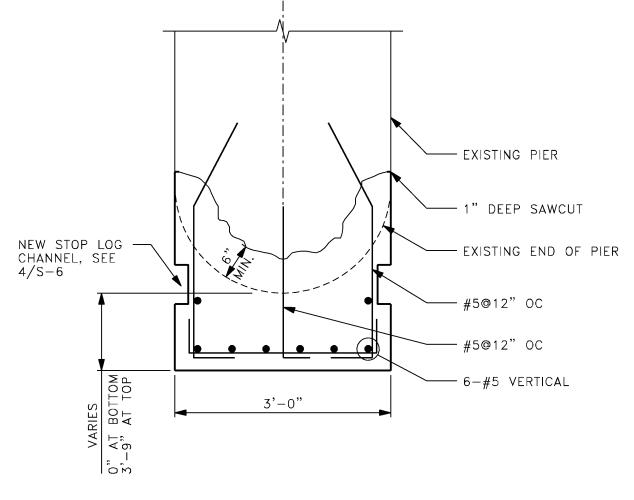
CONCRETE REPAIR

EXISTING STEEL SHEETING

3'-0"









L3x3x3/8 —3/8" PLATE

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ISSUE:

PROJECT INFORMATION:

AMZ

PROJECT NUMBER: 2011-5012

DATE: 10-13-2011

DRAWN BY:

CHECKED BY:

APPROVED BY:

SCALE: AS SHOWN

SHEET TITLE:

CONCRETE REPAIR DETAILS

SHEET NUMBER:

2-2



EXISTING CONCRETE — DAM BASE (PILE SUPPORTED)