



Winnequah Park PCB Lagoon Dredging Final Design, 2018

DNR Large Scale Lake Management Planning Grant Final Report, LPL167518

Winnequah Park is the City's most prominent park located in the heart of the City. This location includes the City's center: City Hall, Community Center, Police & Fire Departments, the Library, a public elementary school. The park also includes several playing fields, a skate park, 2 large playgrounds, and the City's pool. The park is surrounded by a residential neighborhood and is connected to Lake Monona and the Yahara River chain. Due to the park's heavy use and community value, as well as the potential for polychlorinated biphenyls (PCBs) to affect plant, wildlife, and possibly human health, the City has made this project a top priority. The City's goal for this project is produce a project that's designed to allow residents a safer, healthier, and more easily accessible park and recreational area in and around the City's northern half of the Winnequah Park Lagoon. The 2018 Lake Management Planning Grant will be used to help subsidize the high costs of engineering final design, surveys, lab testing, and developing bid documents and bidding assistance.

After sediment sampling in 2015 showed that PCBs existed in loose sediments located in Monona's northern Winnequah Park Lagoon, the City was asked by the WDNR to investigate the extent of PCBS contamination and create a remediation plan to remove the pollutants. In 2016 the City, aided by a Large Scale Lake Management Planning grant, hired Strand Associates, Inc. to survey and report on the extent of the PCBs in the northern and southern lagoons. After the completion of this investigation, and with advice from the WDNR, the City of Monona hired Strand again in 2017 to perform additional sediment sampling in order to create a more accurate survey of the extent of PCB laden sediment in the lagoons. They also asked Strand to prepare a plan that included habitat rehabilitation, expansion of recreational opportunities in and around the lagoons, as well as PCB removal via dredging.

On June 14, 2017, additional sediment and parent material samples were collected from three locations north of Nichols Road (N-16, N-17, and N-18). Samples were collected at these locations to assess sediment and parent material quality in the channel north of the lagoons because dredging may be considered through this channel. The following sampling and analysis was completed at locations N-16, N-17, and N-18:

1. A grab parent material sample and a grab sediment sample were collected at each location. The six grab samples were analyzed for TOC, PCBs, and PAHs.
2. One composite sediment sample was collected from the three locations. The composite sample was analyzed for the project's previously approved partial list of NR 347, Table 1 parameters, including: PAHs; total metals (As, Ba, Cd, Cr, Cu, Cn, Fe, Pb, Mn, Hg, Ni, Se, and Zn), PCBs, nitrate; nitrite, ammonia, TKN, TP, grain size by hydrometer, percent solids, TOC, and moisture content.

Figure 1 in Attachment 1 of Attachment D of the provided report (*2017 North Winnequah Park Lagoon Improvements Preliminary Design*) shows the Winnequah Park lagoons and the 2015, 2016, and 2017 sampling locations, excluding sample locations S1 and S2. Locations S1 and S2 are not shown because PCBs were not detected at those locations and dredging in that area is not being considered at this time. Sample locations were

recorded using a survey-grade global positioning system (GPS) with a horizontal accuracy of less than 1 centimeter (cm) and vertical accuracy of approximately 1 cm.

Dry weight concentrations of PCBs and PAHs exceed the NR720 Industrial Site Direct Contact standards in the area of SB-4, SB-5, SB-6, and N-8. No significant concentrations of contaminants were detected in the parent material samples collected. The extent of sediment contamination has been defined and no further investigation of sediment or parent material is recommended.

Excavation and landfill disposal of sediment with concentrations of total PCBs and PAHs exceeding the NR 720 Industrial Site Direct Contact standards (the area of SB-4, SB-5, SB-6, and N-8) are recommended. This area is shown on Figure 2 and on the plan and profile sheet (Attachment 1). The estimated quantity of material recommended to be dredged from this area (approximately Station 310+90 to Station 33+00), assuming removal of sediment plus 6 inches of parent material, is approximately 500 CYs. Cross sections of the lagoon showing water elevations, sample locations, and sediment thickness is also provided in Attachment 1 of Attachment D of the provided report (*2017 North Winnequah Park Lagoon Improvements Preliminary Design*). Because no significant contamination has been detected in the parent material and planned dredging of contaminated sediment will include the removal of approximately 6 inches of parent material, no post-dredging confirmation sampling is planned. However, post dredging sampling will be performed on any sediment remaining in the bottom of the lagoon upon completion of dredging operations.

This project was bid in 2019 after receiving an extension for the grant by the WDNR. Dredging and disposal of contaminated sediment was performed in 2019. For now, the 2019 project is being wrapped up as hauling of dredged sediment and restoration activities will have to wait until spring thaws. Potential future dredging efforts may need be completed to remove excess sediment from the lagoons south of Nichols Road, in order to improve storm water treatment and storage capacity. Also, the installation of storm water pretreatment devices is being looked at as well as possible streambank restoration along the South end of the lagoon. All of these improvements will require future engineering and permitting efforts. The City of Monona will debate these future projects during 2020 public works & parks capital budget meetings.

Please let Brad Bruun, Monona Public Works Project Manager, know if you have any questions.

Brad Bruun
City of Monona, Public Works Dept.
Project Manager & GIS Specialist
bbruun@ci.monona.wi.us
608.222.2525 EXT. 7402

Bid Tabulation,
&
Final Design
Drawings

Bids Received: 1PM, March 1, 2019

STRAND ASSOCIATES, INC.®
910 West Wingra Drive
Madison, WI 53715

NORTH WINNEQUAH PARK LAGOON IMPROVEMENTS

CONTRACT 2-2019

CITY OF MONONA, WISCONSIN

BID TABULATION BREAKDOWN

				Homburg Contractors, Inc. 5590 Monona Drive Monona, WI 53716		R.G. Huston Co., Inc. 2561 Coffeytown Road Cottage Grove, WI 53527	
No.	Description	Quantity	Unit	Unit Price	Total Price	Unit Price	Total Price
1.	Mobilization	1	LS	\$ 88,000.00	\$ 88,000.00	\$ 25,800.00	\$ 25,800.00
2.	Clearing and Grubbing	1	LS	\$ 2,500.00	\$ 2,500.00	\$ 7,250.00	\$ 7,250.00
3.	Dewatering	1	LS	\$ 23,000.00	\$ 23,000.00	\$ 50,000.00	\$ 50,000.00
4.	Traffic Control	1	LS	\$ 750.00	\$ 750.00	\$ 2,500.00	\$ 2,500.00
5.	Coffer Dam at Nichols Road	1	LS	\$ 5,400.00	\$ 5,400.00	\$ 26,000.00	\$ 26,000.00
6.	Construction Fencing	325	LF	\$ 5.00	\$ 1,625.00	\$ 6.25	\$ 2,031.25
7.	Inlet Protection Type D	4	EA	\$ 230.00	\$ 920.00	\$ 211.00	\$ 844.00
8.	Stone Tracking Pad	2	EA	\$ 2,500.00	\$ 5,000.00	\$ 3,000.00	\$ 6,000.00
9.	Straw Wattle	135	LF	\$ 12.00	\$ 1,620.00	\$ 11.80	\$ 1,593.00
10.	Temporary Stone Ditch Check	1	EA	\$ 750.00	\$ 750.00	\$ 1,095.00	\$ 1,095.00
11.	Dust Control	1	LS	\$ 1,200.00	\$ 1,200.00	\$ 3,100.00	\$ 3,100.00

				Homburg Contractors, Inc. 5590 Monona Drive Monona, WI 53716		R.G. Huston Co., Inc. 2561 Coffeytown Road Cottage Grove, WI 53527	
No.	Description	Quantity	Unit	Unit Price	Total Price	Unit Price	Total Price
12.	Sediment Excavation and Disposal–Top of Sediment to Top of Parent Material (Approx. STA 30+50 to 30+95)	1	LS	\$ 3,300.00	\$ 3,300.00	\$ 66,830.00	\$ 66,830.00
13.	Sediment Excavation and Disposal–Top of Sediment to 6-IN Below Top of Parent (Approx. STA 30+95 to 33+10)	1	LS	\$ 89,000.00	\$ 89,000.00	\$901,000.00	\$ 901,000.00
14.	Compacted Fill	1	LS	\$ 1,000.00	\$ 1,000.00	\$ 0.01	\$ 0.01
15.	Aumentative Riprap Restoration (ARR)	175	T	\$ 210.00	\$ 36,750.00	\$ 116.40	\$ 20,370.00
16.	Native Vegetative Buffer–Subsoil Prep, Topsoil, Seed, and Class 2, Type C Erosion Control Revegetative Mat (3-FT Above ARR)	1	LS	\$ 4,500.00	\$ 4,500.00	\$ 10,208.00	\$ 10,208.00
17.	Turf Restoration-Topsoil, Seed, and Fertilizer	1	LS	\$ 13,500.00	\$ 13,500.00	\$ 31,295.00	\$ 31,295.00
18.	Turf Restoration-Class I, Urban Type A Erosion Control Revegetative Mat	1	LS	\$ 3,700.00	\$ 3,700.00	\$ 12,000.00	\$ 12,000.00
19.	Uproot And Salvage Tree	6	EA	\$ 100.00	\$ 600.00	\$ 1,090.00	\$ 6,540.00
20.	Tree Protection	4	EA	\$ 600.00	\$ 2,400.00	\$ 260.00	\$ 1,040.00
ENGINEER'S COMPUTED TOTAL ITEMS NO. 1 THROUGH 20					\$285,515.00		\$1,175,496.26
CONTRACTOR'S COMPUTED TOTAL ITEMS NO. 1 THROUGH 20					\$285,515.00		\$1,175,496.26

* CONTRACTOR'S COMPUTED TOTAL

Reviewed by _____

Bids Received: 1PM, March 1, 2019

STRAND ASSOCIATES, INC.®
910 West Wingra Drive
Madison, WI 53715

NORTH WINNEQUAH PARK LAGOON IMPROVEMENTS

CONTRACT 2-2019

CITY OF MONONA, WISCONSIN

ALTERNATIVE BID NO. 1

				Homburg Contractors, Inc. 5590 Monona Drive Monona, WI 53716		R.G. Huston Co., Inc. 2561 Coffeytown Road Cottage Grove, WI 53527	
No.	Description	Quantity	Unit	Unit Price	Total Price	Unit Price	Total Price
1.	Clearing and Grubbing	1	LS	\$ 1,200.00	\$ 1,200.00	\$ 3,625.00	\$ 3,625.00
2.	Dewatering	1	LS	\$ 4,500.00	\$ 4,500.00	\$ 42,000.00	\$ 42,000.00
3.	Traffic Control	1	LS	\$ 100.00	\$ 100.00	\$ 1,500.00	\$ 1,500.00
4.	Dust Control	1	LS	\$ 500.00	\$ 500.00	\$ 1,575.00	\$ 1,575.00
5.	Sediment Excavation and Disposal–Top of Sediment to Top of Parent Material (Approx. STA 33+10 to 34+25)	1	LS	\$177,000.00	\$177,000.00	\$745,820.00	\$745,820.00
6.	Aumentative Riprap Restoration (ARR)	1	LS	\$ 31,500.00	\$ 31,500.00	\$ 29,200.00	\$ 29,200.00
7.	Vegetated Boulder Revetment	110	LF	\$ 585.00	\$ 64,350.00	\$ 312.00	\$ 34,320.00
8.	Stone Steps	1	LS	\$ 46,500.00	\$ 46,500.00	\$ 30,000.00	\$ 30,000.00
9.	In-Stream Boulder	6	EA	\$ 625.00	\$ 3,750.00	\$ 635.00	\$ 3,810.00
10.	Woody Debris Fish Habitat	2	EA	\$ 2,000.00	\$ 4,000.00	\$ 1,215.00	\$ 2,430.00

				Homburg Contractors, Inc. 5590 Monona Drive Monona, WI 53716		R.G. Huston Co., Inc. 2561 Coffeytown Road Cottage Grove, WI 53527	
No.	Description	Quantity	Unit	Unit Price	Total Price	Unit Price	Total Price
11.	Native Vegetative Buffer-Subsoil Prep, Topsoil, Seed, and Class 2, Type C Erosion Control Revegetative Mat (3-FT Above ARR and VBR))	1	LS	\$ 2,300.00	\$ 2,300.00	\$ 6,490.00	\$ 6,490.00
12.	Turf Restoration-Topsoil, Seed, and Fertilizer	1	LS	\$ 5,500.00	\$ 5,500.00	\$ 20,500.00	\$ 20,500.00
13.	Turf Restoration-Class I, Type A Erosion Control Revegetative Mat	1	LS	\$ 1,200.00	\$ 1,200.00	\$ 7,920.00	\$ 7,920.00
ENGINEER'S COMPUTED TOTAL ITEMS NO. 1 THROUGH 13					\$342,400.00		\$929,190.00
CONTRACTOR'S COMPUTED TOTAL ITEMS NO. 1 THROUGH 13					\$342,400.00		\$929,190.00

* CONTRACTOR'S COMPUTED TOTAL

Reviewed by _____

Bids Received: 1PM, March 1, 2019

STRAND ASSOCIATES, INC.®
910 West Wingra Drive
Madison, WI 53715

NORTH WINNEQUAH PARK LAGOON IMPROVEMENTS

CONTRACT 2-2019

CITY OF MONONA, WISCONSIN

ALTERNATIVE BID NO. 2

				Homburg Contractors, Inc. 5590 Monona Drive Monona, WI 53716		R.G. Huston Co., Inc. 2561 Coffeytown Road Cottage Grove, WI 53527	
No.	Description	Quantity	Unit	Unit Price	Total Price	Unit Price	Total Price
1.	Mobilization	1	LS	\$ 2,500.00	\$ 2,500.00	\$ 2,460.00	\$ 2,460.00
2.	Clearing and Grubbing	1	LS	\$ 3,000.00	\$ 3,000.00	\$ 14,500.00	\$ 14,500.00
3.	Dewatering	1	LS	\$ 2,500.00	\$ 2,500.00	\$ 33,440.00	\$ 33,440.00
4.	Traffic Control	1	LS	\$ 100.00	\$ 100.00	\$ 1,500.00	\$ 1,500.00
5.	Dust Control	1	LS	\$ 200.00	\$ 200.00	\$ 0.01	\$ 0.01
6.	Sediment Excavation and Disposal–Top of Sediment to Top of Parent Material and Bottom of Channel (Approx. STA. 34+25 to	1	LS	\$31,000.00	\$31,000.00	\$296,000.00	\$296,000.00
7.	Coir Fiber Roll Restoration	650	LF	\$ 20.00	\$13,000.00	\$ 39.00	\$ 25,350.00
8.	Native Plugs for Coir Fiber Roll Restoration	650	EA	\$ 8.00	\$ 5,200.00	\$ 7.50	\$ 4,875.00
9.	Goose Fence	650	LF	\$ 6.00	\$ 3,900.00	\$ 8.00	\$ 5,200.00
10.	Turf Reinforcement Mat (Upslope of Coir Fiber Roll Restoration)	860	SY	\$ 25.00	\$21,500.00	\$ 45.00	\$ 38,700.00
11.	Native Vegetative Buffer–Subsoil Prep, Topsoil, Seed, and Class 2, Type C Erosion Control Revegetative Mat (3-FT Above TRM)	1	LS	\$ 5,600.00	\$ 5,600.00	\$ 10,065.00	\$ 10,065.00

				Homburg Contractors, Inc. 5590 Monona Drive Monona, WI 53716		R.G. Huston Co., Inc. 2561 Coffeytown Road Cottage Grove, WI 53527	
No.	Description	Quantity	Unit	Unit Price	Total Price	Unit Price	Total Price
12.	Turf Restoration-Topsoil, Seed, and Fertilizer	1	LS	\$ 8,000.00	\$ 8,000.00	\$ 11,725.00	\$ 11,725.00
13.	Turf Restoration-Class I, Urban Type A Erosion Control Revegetative Mat	1	LS	\$ 2,500.00	\$ 2,500.00	\$ 6,710.00	\$ 6,710.00
ENGINEER'S COMPUTED TOTAL ITEMS NO. 1 THROUGH 13					\$ 99,000.00		\$450,525.01
CONTRACTOR'S COMPUTED TOTAL ITEMS NO. 1 THROUGH 13					\$ 99,000.00		\$450,525.01

* CONTRACTOR'S COMPUTED TOTAL

Reviewed by _____

NORTH WINNEQUAH PARK LAGOON IMPROVEMENTS

FOR THE CITY OF MONONA DANE COUNTY, WISCONSIN FEBRUARY, 2019

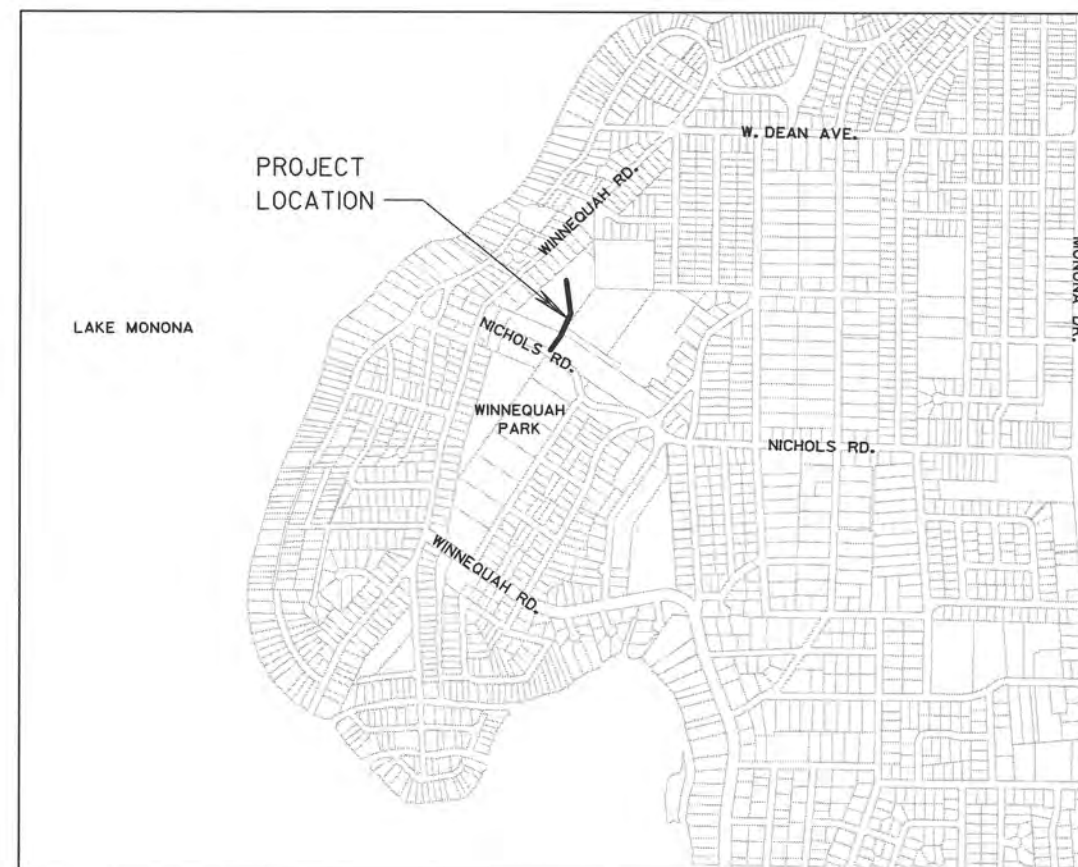


PROJECT LOCATION MAP
NO SCALE



910 West Wingra Drive
Madison, WI 53715
608-251-4843
608-251-8655 fax
www.strand.com

CONTRACT NO. 2-2019



PROJECT LOCATION MAP
NO SCALE



LIST OF DRAWINGS

DRAWING TITLE	SHEET NO.
TITLE SHEET	1
EROSION CONTROL DETAILS AND UTILITY CONTACTS	2
EROSION CONTROL DETAILS	3
CONSTRUCTION DETAILS	4-5
ACCESS & EROSION CONTROL PLAN	6
PLAN AND PROFILE	7-8
CROSS SECTIONS	9-18

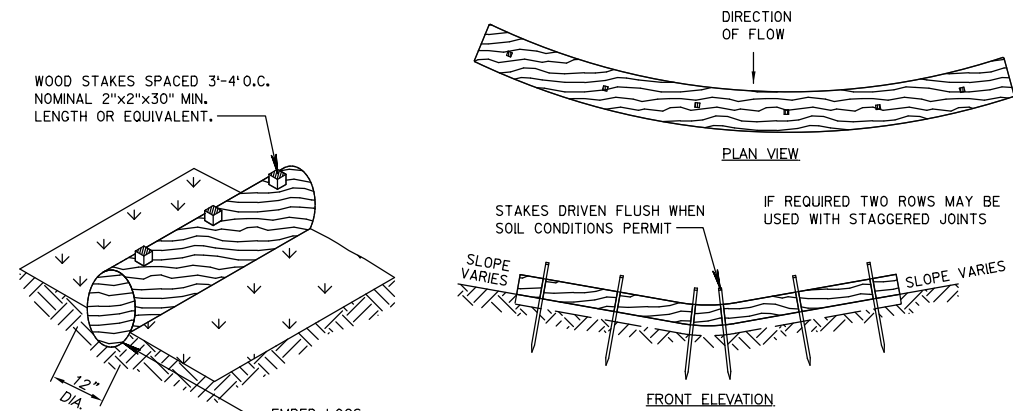


Jon H. Lindert
2/7/2019

DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

SA
STRAND
ASSOCIATES

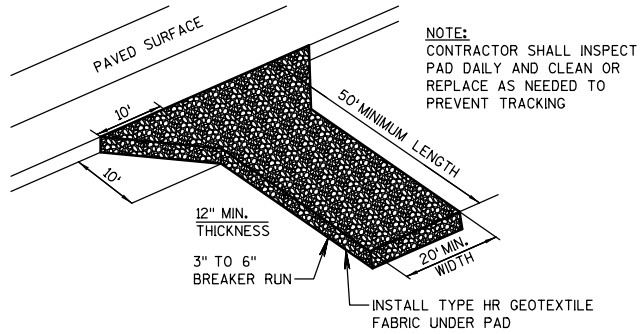
SHEET
1
JOB NO. 1093.066



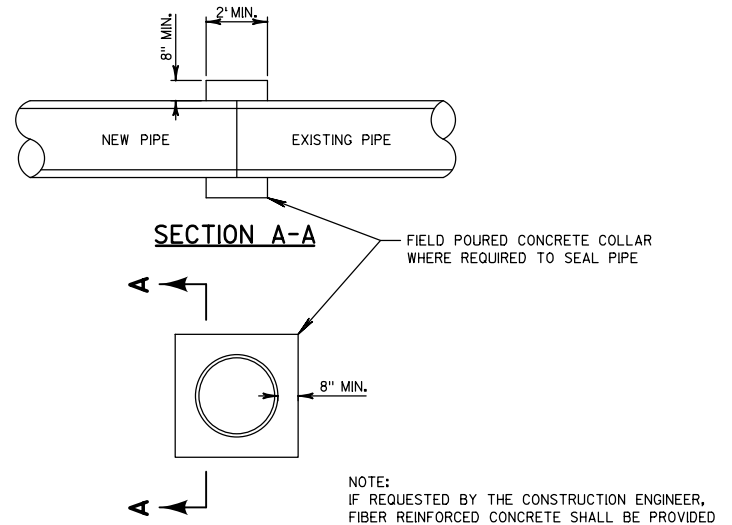
DETAIL OF STRAW WATTLE INSTALLATION

12" STRAW WATTLE ACROSS DITCH BOTTOM

1/2 STRAW WATTLE



2/2 TRACKING PAD FOR CONSTRUCTION ENTRANCE NOT TO SCALE



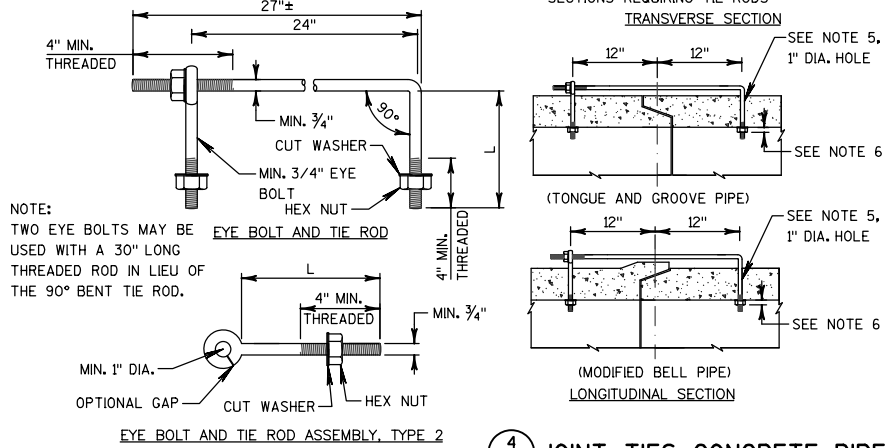
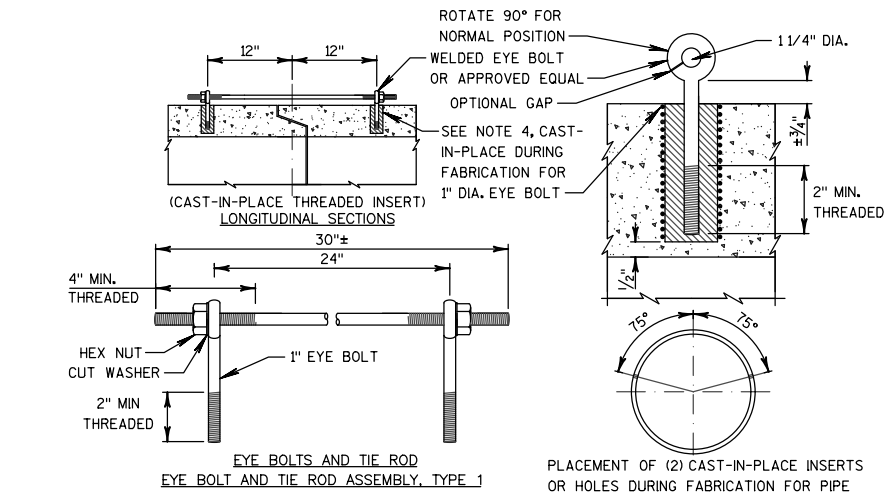
3/2 CONCRETE COLLAR

STANDARD SYMBOLS

TEMPORARY EASEMENT	PAVED ROAD
PROPERTY LINE AND/OR RIGHT OF WAY	EXISTING CULVERT
SOIL BORING	NOTATION FOR COMBUSTIBLE FLUIDS
BENCH MARK	F FORCE MAIN
PROPERTY STAKE	W WATER MAIN
IRON PIPE	SS STORM SEWER
INLET	SAN SANITARY SEWER
CURB WATER BOX	EXISTING SANITARY SEWER AND MANHOLE
ROAD SIGN	T T TELEPHONE OR TV CABLE
PRIVATE WELL	FO FO FIBER OPTIC CABLE
EXISTING UTILITY POLE	G G GAS MAIN
BURIED TELEPHONE CABLE PEDESTAL SIGN	E E UNDERGROUND ELECTRIC CABLE
LIGHT POLE	ORIGINAL GROUND IN PROFILE
MAIL BOX	FENCE
OBJECTS TO BE REMOVED	GUARD RAIL
EXISTING DECIDUOUS TREE	SILT FENCE
EXISTING CONIFEROUS TREE	CONTROL POINT
WETLAND AREA	GUY WIRE & ANCHOR

UTILITY CONTACTS

UTILITY	COMPANY	CONTACT
TELEPHONE	AT&T	CAROL ANASON (608) 252-2385 ca2624@att.com
GAS	MADISON GAS AND ELECTRIC	JOHN WICHERN (608) 252-1563 jwichern@mge.com
ELECTRIC	MADISON GAS AND ELECTRIC	RICH PARKER (608) 444-9819 rparker@mge.com
CABLE	CHARTER COMMUNICATIONS	ANTHONY SANFRATELLO (608) 438-0554
CABLE	TDS COMMUNICATIONS	JERRY MYERS (608) 664-4404 jerry.myers@tdstelecom.com



4/2 JOINT TIES CONCRETE PIPE

ADJUSTABLE TIE ROD DIMENSION TABLE				
PIPE DIAMETER	TIE ROD DIAMETER	D	L1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 7/16

NOTES:

1. ALL APRON END WALL JOINTS AND TWO ADDITIONAL UPSTREAM JOINTS (TOTAL OF 3) SHALL BE TIED TOGETHER AS SHOWN. ADDITIONAL TIED JOINTS MAY BE REQUIRED, AS SPECIFIED OR AS SHOWN ON THE PLAN. UNLESS OTHERWISE STATED IN THE CONTRACT THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE CULVERT PIPE AS INDICATED ON THE PLANS AND BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE REINFORCED CONCRETE CULVERT PIPE.

2. DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

3. C. OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

4. THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

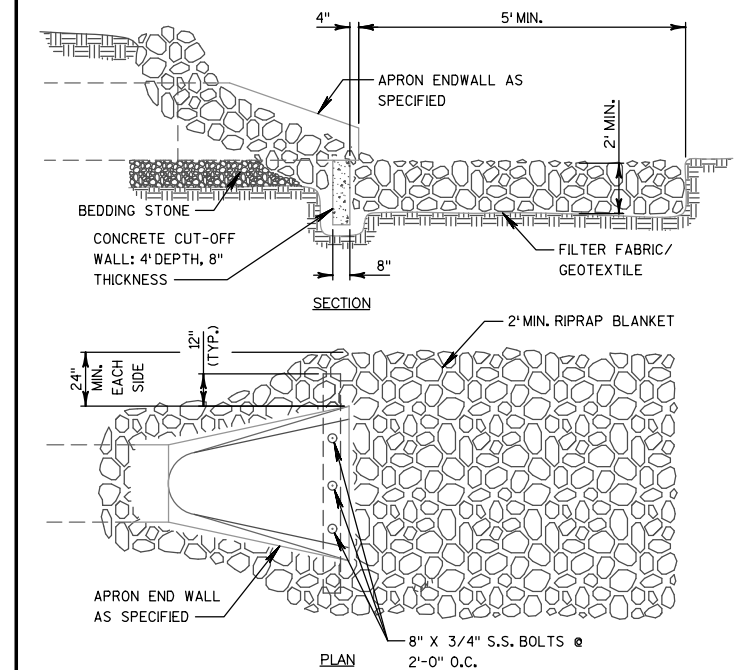
5. HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12" FROM C. OF TONGUE AND GROOVE.

6. BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2".

7. ROD DIAMETER +1".

8. LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.

EYE BOLT DIMENSION TABLE		
L = LENGTH		
PIPE SIZE	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



5/2 STORM SEWER OUTFALL

EROSION CONTROL DETAILS

NORTH WINNEQUAH PARK
LAGOON IMPROVEMENTS
CITY OF MONONA
DANE COUNTY, WISCONSIN

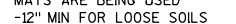
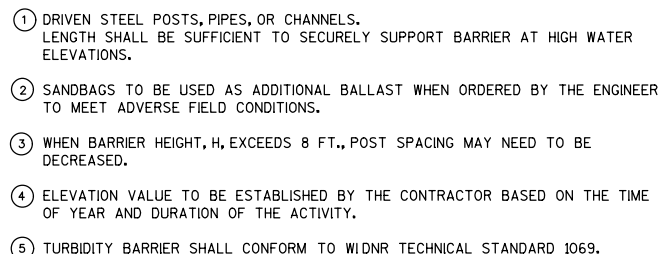
JOB NO.
1093.066
PROJECT MGR.
JHL

STRAND
ASSOCIATES®

SHEET
2

6. EROSION MAT SHALL BE MEASURED AND PAID FOR IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

- JUNCTION OR ANCHOR SLOTS SHALL BE AT MINIMUM INTERVALS OF 100 FEET ON GRADES UP TO AND INCLUDING 3 PERCENT, AND 50 FEET ON GRADES EXCEEDING 3 PERCENT.

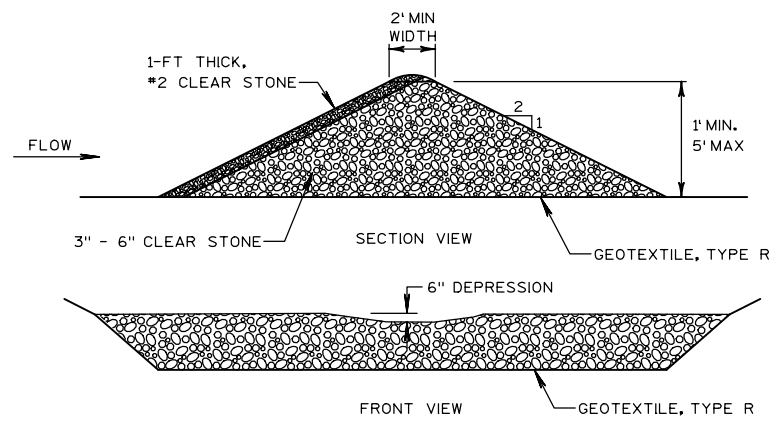
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TV

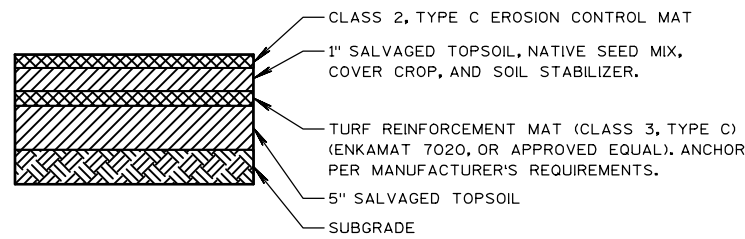
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9. ALTERNATES A AND B ARE EQUAL AND EITHER MAY BE USED.

**NORTH WINNEQUAH PARK
LAGOON IMPROVEMENTS**



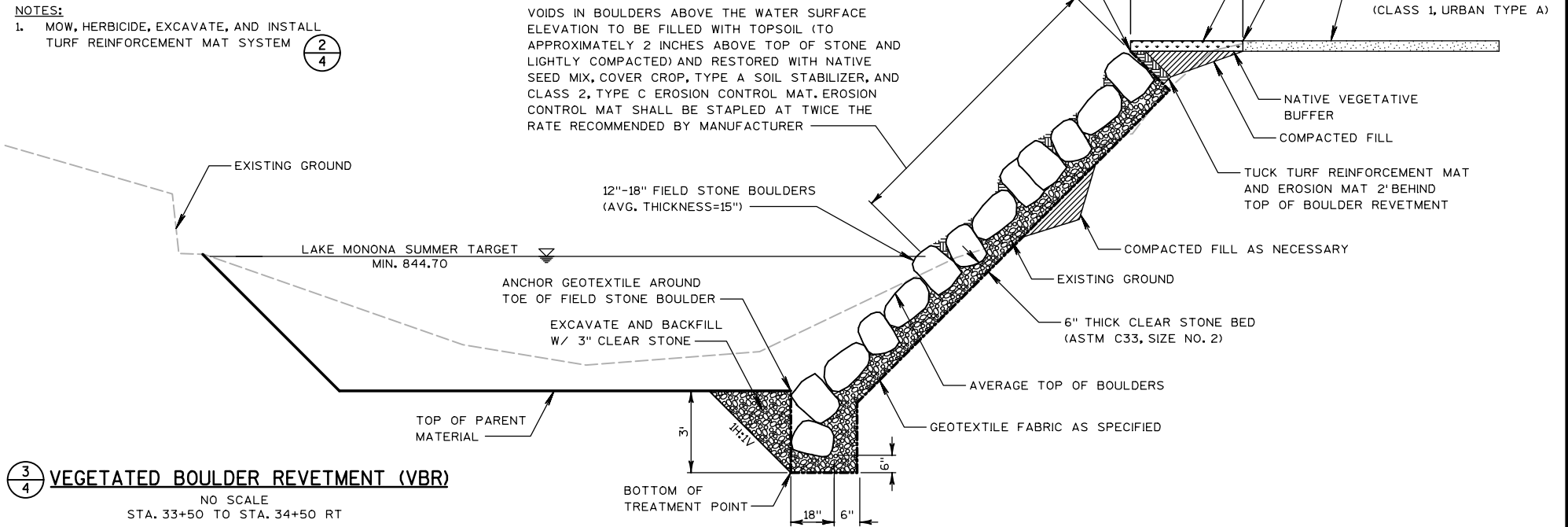
1
4 **TEMPORARY STONE DITCH CHECK**



2
4 **TURF REINFORCEMENT MAT (TRM) SYSTEM DETAIL**
NO SCALE

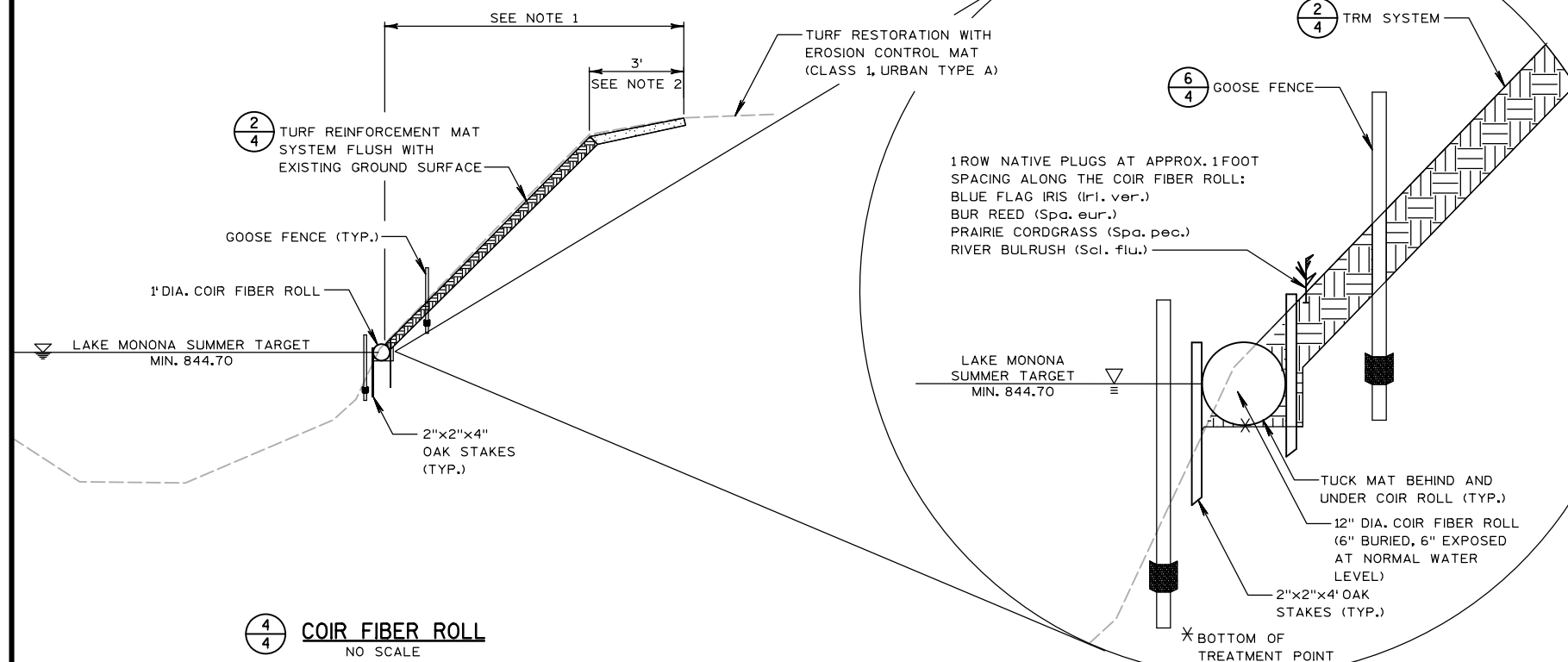
NOTE: ANNUAL RYEGRASS OR WHEAT SHALL BE PLANTED AT A RATE OF 50 LBS PER ACRE OVER THE ENTIRE AREA DISTURBED BY CONSTRUCTION. SUCH SEEDING SHALL BE REQUIRED AT THE COMPLETION OF CONSTRUCTION OR ANYTIME WHEN CONSTRUCTION CEASES FOR MORE THAN 2 WEEKS AND FINAL SEEDING IS NOT COMPLETE. SUCH EROSION CONTROL SEEDING SHALL BE INCIDENTAL TO THE SEEDING SPECIFICATION.

NOTES:
1. MOW, HERBICIDE, EXCAVATE, AND INSTALL TURF REINFORCEMENT MAT SYSTEM **2**
4

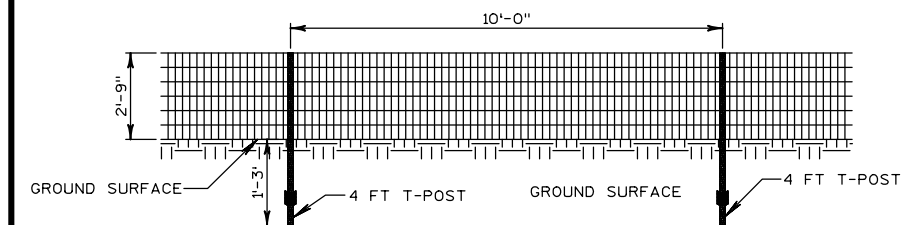


3
4 **VEGETATED BOULDER REVETMENT (VBR)**
NO SCALE
STA. 33+50 TO STA. 34+50 RT

NOTES:
1. MOW, HERBICIDE, REMOVE TOP 1-INCH OF TOPSOIL, INSTALL TRM, 1' SALVAGED TOPSOIL, PLANT W/ NATIVE SEED MIX, AND INSTALL EROSION CONTROL MAT (CLASS 2, TYPE C). IN SOME AREAS AS SHOWN ON THE CROSS SECTIONS, EXCAVATION FOR AND PLACEMENT OF 5" SALVAGED TOPSOIL IS NECESSARY.
2. MOW, HERBICIDE, DEEP TILL TO 12" DEPTH (IF EXPERIENCING COMPACTION), PLANT W/ NATIVE SEED MIX, AND INSTALL EROSION CONTROL MAT (CLASS 2, TYPE C).



4
4 **COIR FIBER ROLL**
NO SCALE



NOTES:
1. GOOSE FENCING SHALL BE 2-FOOT TALL CHICKEN WIRE, ONE ROW ON EACH SIDE OF THE NATIVE PLUG PLANTINGS ALONG AREAS RECEIVING COIR FIBER ROLL.
2. T-POSTS SHALL BE 4 FEET LONG, COLORED GREEN, INSTALLED EVERY 10 FEET OR AT EVERY GRADE CHANGE OR BENDS.
3. GOOSE FENCE SHALL BE ATTACHED TO T-POSTS USING 3 QUICK-ZIP PLASTIC TIES, ONE TIE AT TOP AND BOTTOM AND ONE IN THE MIDDLE.
4. AT GRADE CHANGES, THE FENCE SHALL BE INSTALLED PARALLEL TO THE SLOPE OF THE GROUND.
5. PROVIDE 1-FOOT OF FENCE OVERLAP AT FENCE JOINTS.
6. AT NATIVE PLUGS, THE FENCE SHALL BE NO CLOSER THAN 4 INCHES TO ANY VEGETATIVE GROWTH (AT THE TIME OF PLANTING).

6
4 **GOOSE FENCE DETAIL**
NO SCALE

CONSTRUCTION DETAILS

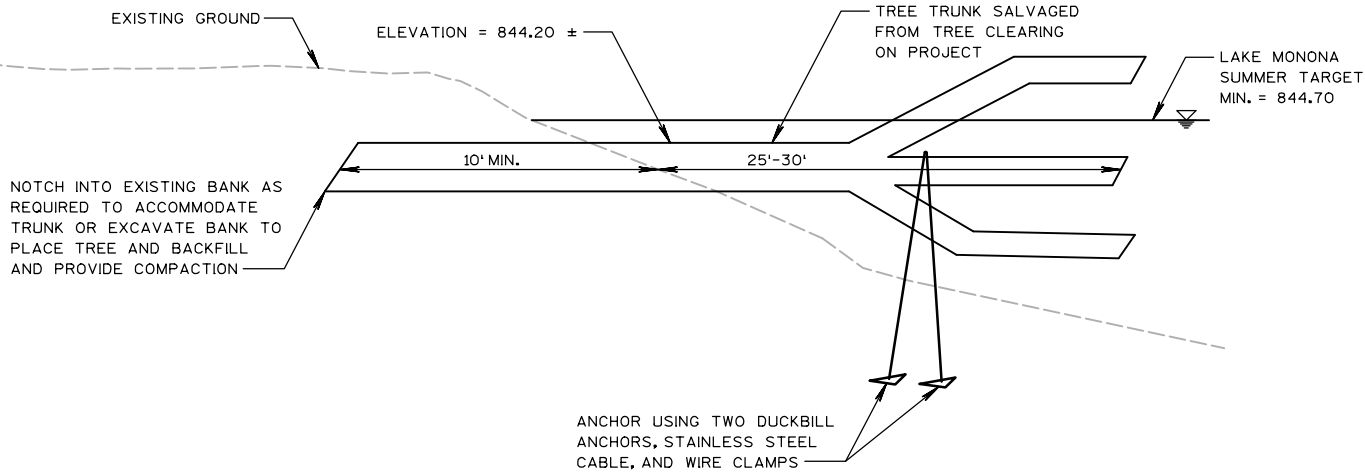
**NORTH WINNEQUAH PARK
LAGOON IMPROVEMENTS
CITY OF MONONA
DANE COUNTY, WISCONSIN**

**JOB NO.
1093.066
PROJECT MGR.
JHL**

**SA
STRAND
ASSOCIATES®**

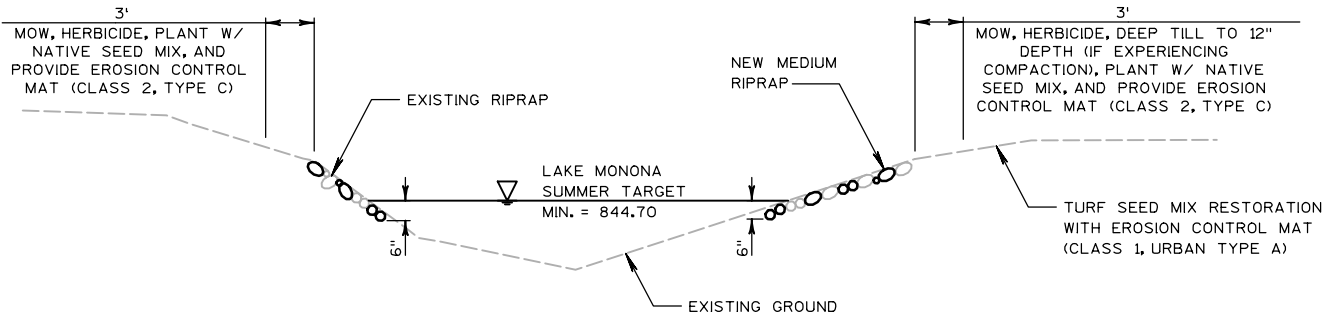
**SHEET
4**

- NOTES:
1. USE 18" MIN. DIA. TREE TRUNKS FOR WOODY DEBRIS. TRIM OFF BRANCHES LESS THAN 6" IN DIAMETER AND USE PORTION WHERE TRUNK BRANCHES INTO LIMBS. LARGE DIAMETER LIMBS (GREATER THAN 18") BRANCHING INTO SMALLER LIMBS MAY ALSO BE USED.
 2. POSITION MOST OF TRUNK AND LIMBS UNDERWATER. POSITION SUCH THAT TRUNK IS STABLE, BUT ALLOW SPACE BELOW TRUNK AND SOME LIMBS FOR FISH HABITAT.
 3. ONLY HARDWOOD TREES TO BE USED. SALVAGE TREE TRUNK FROM TREE CLEARING ON PROJECT IF MEET SPECIFICATION.

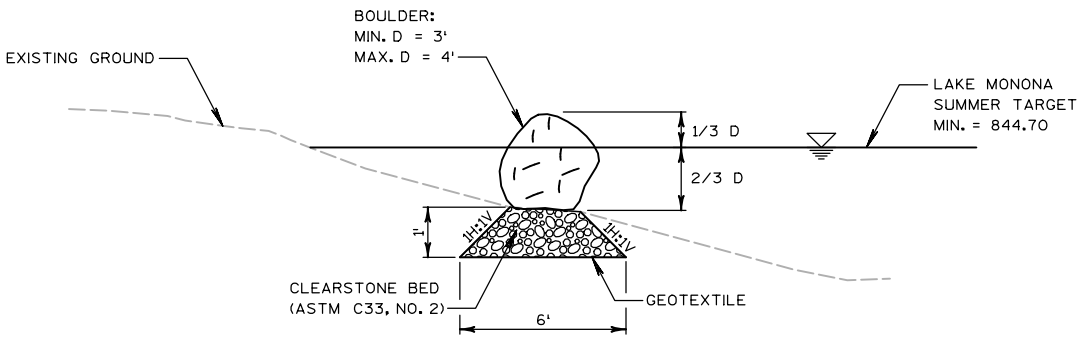


1/5 WOODY DEBRIS FISH HABITAT DETAIL
NO SCALE

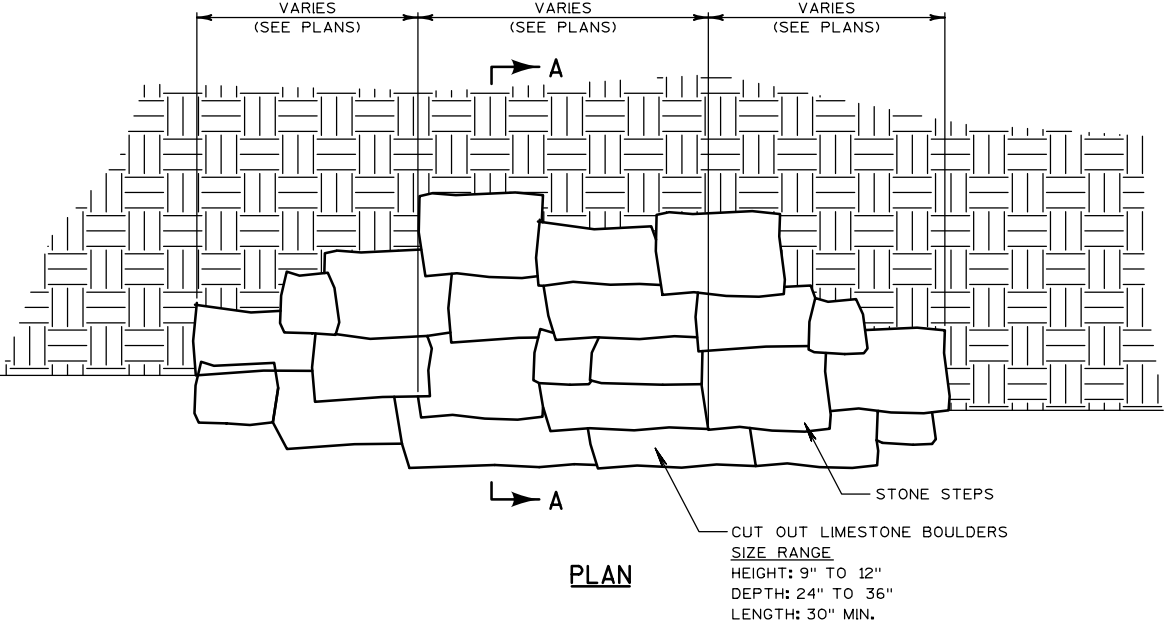
- NOTES:
1. PRIOR TO PLACING NEW RIPRAP, HERBICIDE VEGETATION WITHIN EXISTING RIPRAP AND REMOVE ALL WOODY VEGETATION WITHIN EXISTING RIPRAP.
 2. NEW MEDIUM RIPRAP (12" D50) SHALL BE PLACED ON THE STREAMBANK BETWEEN VOIDS OF EXISTING RIPRAP. QUANTITIES IN BID FORM ASSUME THAT RIPRAP WILL BE PROVIDED OVER APPROXIMATELY HALF OF THE AREA SHOWN ON THE DRAWINGS TO RECEIVE AUGMENTATIVE RIPRAP RESTORATION TO SUPPLEMENT EXISTING RIPRAP.



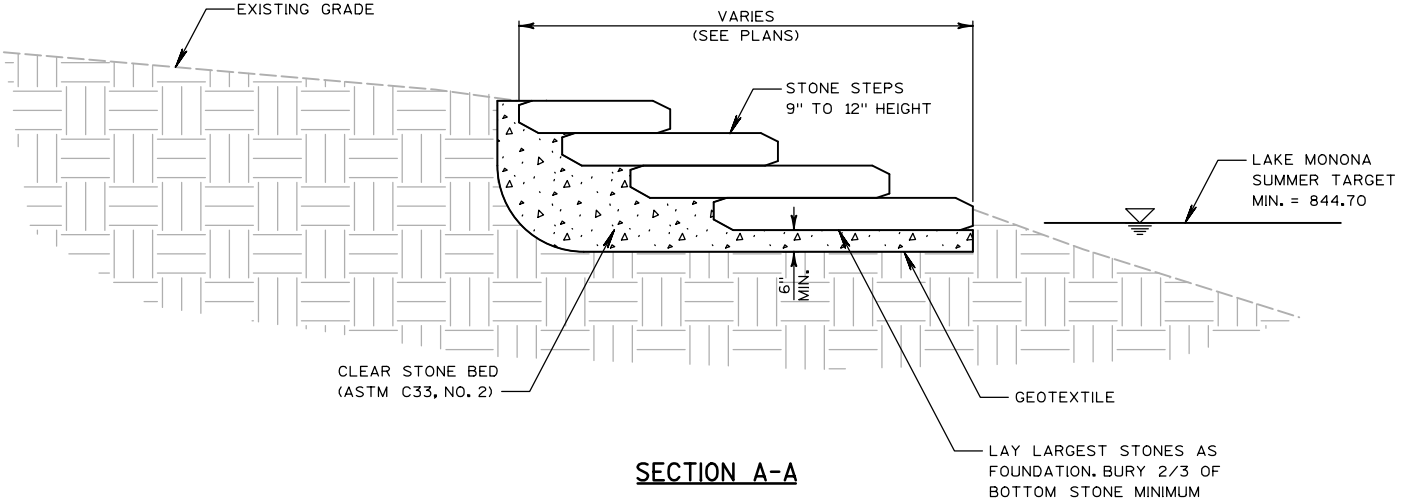
2/5 AUGMENTATIVE RIPRAP RESTORATION
NO SCALE
STA. 30+50 TO STA. 34+50 LT
STA. 30+50 TO STA. 33+50 RT



3/5 IN-STREAM BOULDER DETAIL
NO SCALE



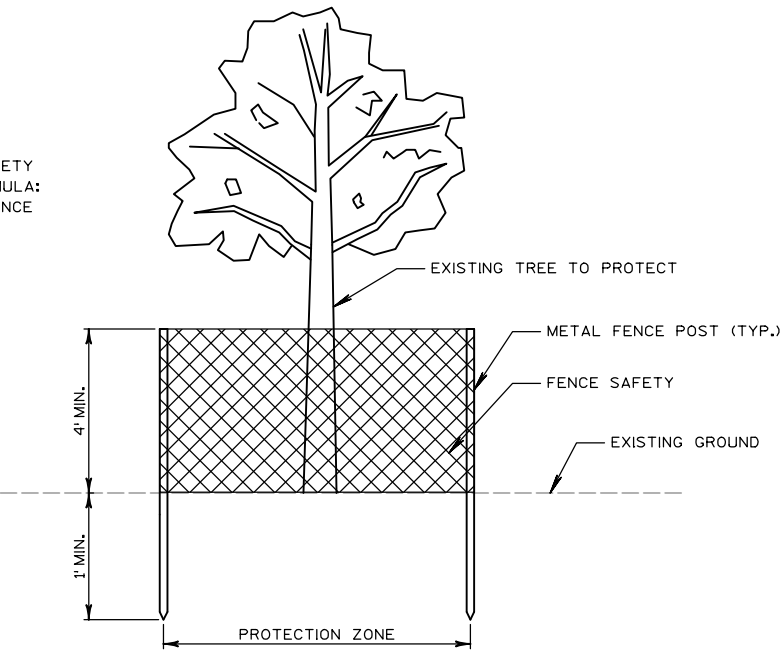
PLAN



SECTION A-A

4/5 STONE STEPS
NO SCALE

NOTE:
THE APPROXIMATE LENGTH OF FENCE SAFETY
WAS ESTIMATED BY THE FOLLOWING FORMULA:
 $L = (D + 3) \times 3$, WHERE L = THE LENGTH OF FENCE
(LF) AND D = DIAMETER OF TREE (FT).



5/5 TREE PROTECTION DETAIL
SEE QUANTITIES AND PLANS FOR
TREE PROTECTION LOCATIONS

CONSTRUCTION DETAILS

**NORTH WINNEQUAH PARK
LAGOON IMPROVEMENTS
CITY OF MONONA
DANE COUNTY, WISCONSIN**

**JOB NO.
1093.066
PROJECT MGR.
JHL**

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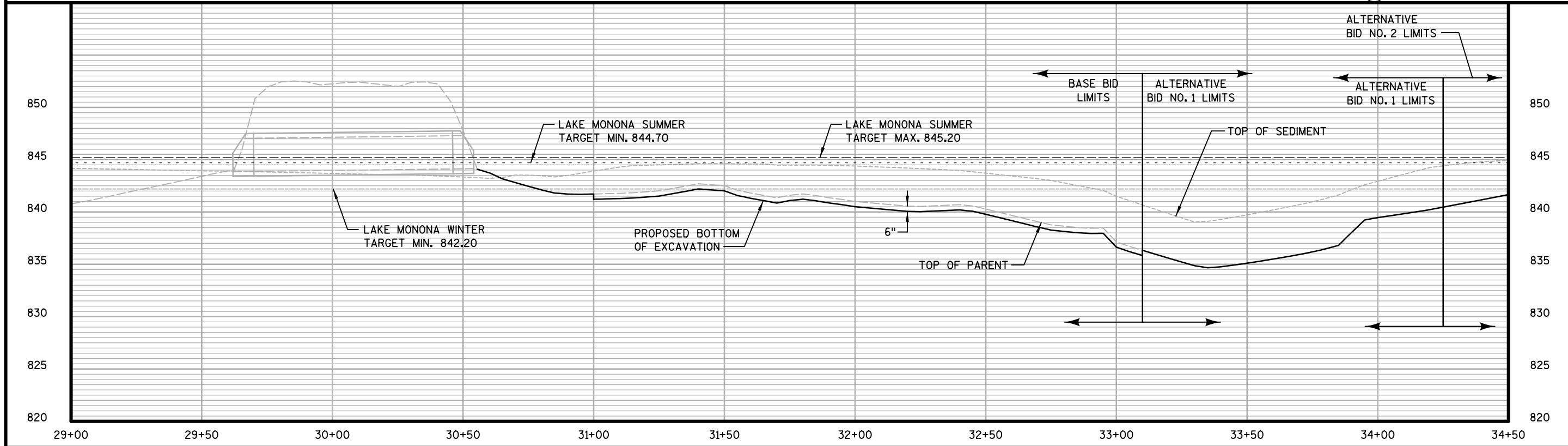
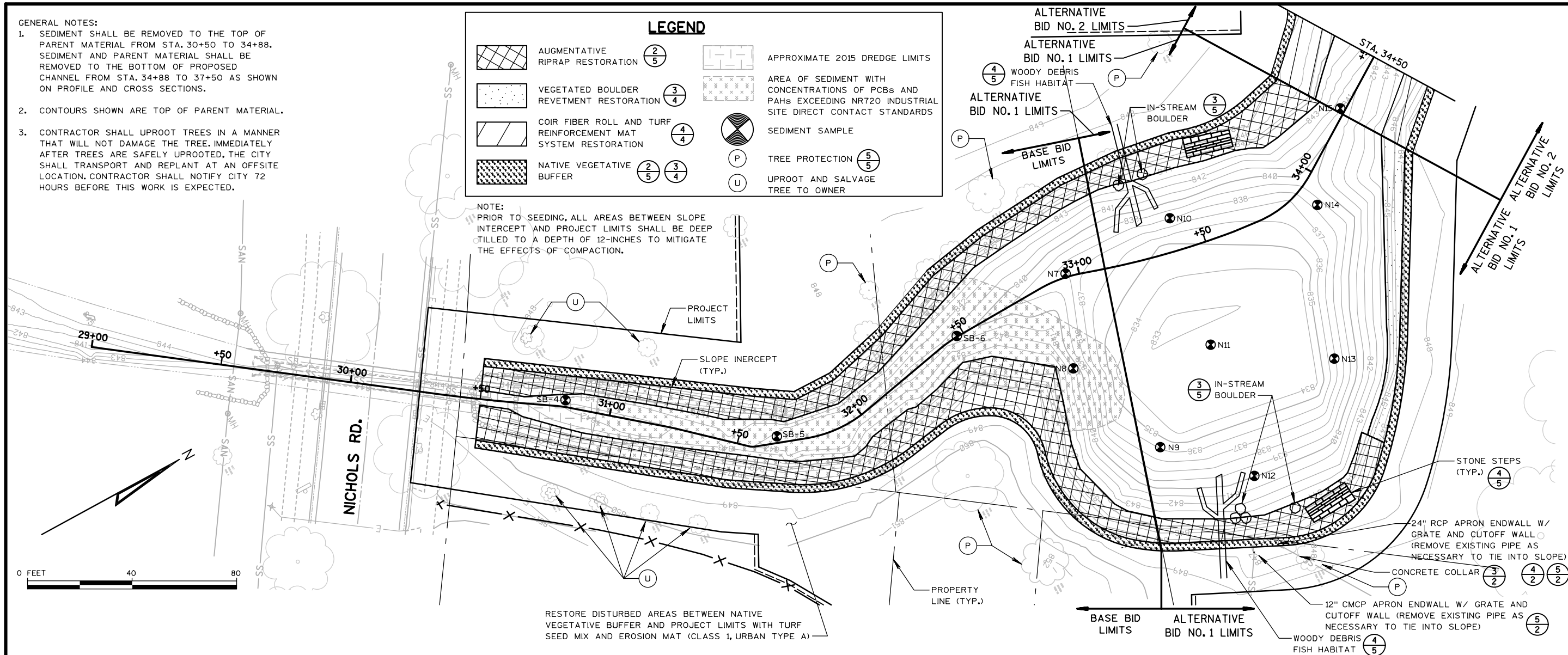
**SHEET
5**

- GENERAL NOTES:
1. SEDIMENT SHALL BE REMOVED TO THE TOP OF PARENT MATERIAL FROM STA. 30+50 TO 34+88. SEDIMENT AND PARENT MATERIAL SHALL BE REMOVED TO THE BOTTOM OF PROPOSED CHANNEL FROM STA. 34+88 TO 37+50 AS SHOWN ON PROFILE AND CROSS SECTIONS.
 2. CONTOURS SHOWN ARE TOP OF PARENT MATERIAL.
 3. CONTRACTOR SHALL UPROOT TREES IN A MANNER THAT WILL NOT DAMAGE THE TREE. IMMEDIATELY AFTER TREES ARE SAFELY UPROOTED, THE CITY SHALL TRANSPORT AND REPLANT AT AN OFFSITE LOCATION. CONTRACTOR SHALL NOTIFY CITY 72 HOURS BEFORE THIS WORK IS EXPECTED.

LEGEND

	AUGMENTATIVE RIPRAP RESTORATION (2/5)		APPROXIMATE 2015 DREDGE LIMITS
	VEGETATED BOULDER REVETMENT RESTORATION (3/4)		AREA OF SEDIMENT WITH CONCENTRATIONS OF PCBs AND PAHs EXCEEDING NR720 INDUSTRIAL SITE DIRECT CONTACT STANDARDS
	COIR FIBER ROLL AND TURF REINFORCEMENT MAT SYSTEM RESTORATION (4/4)		SEDIMENT SAMPLE
	NATIVE VEGETATIVE BUFFER (2/5) (3/4)		TREE PROTECTION (5/5)
			UPROOT AND SALVAGE TREE TO OWNER (U)

NOTE:
PRIOR TO SEEDING, ALL AREAS BETWEEN SLOPE INTERCEPT AND PROJECT LIMITS SHALL BE DEEP TILLED TO A DEPTH OF 12-INCHES TO MITIGATE THE EFFECTS OF COMPACTION.



DATE:	
REVISIONS	
NO.	

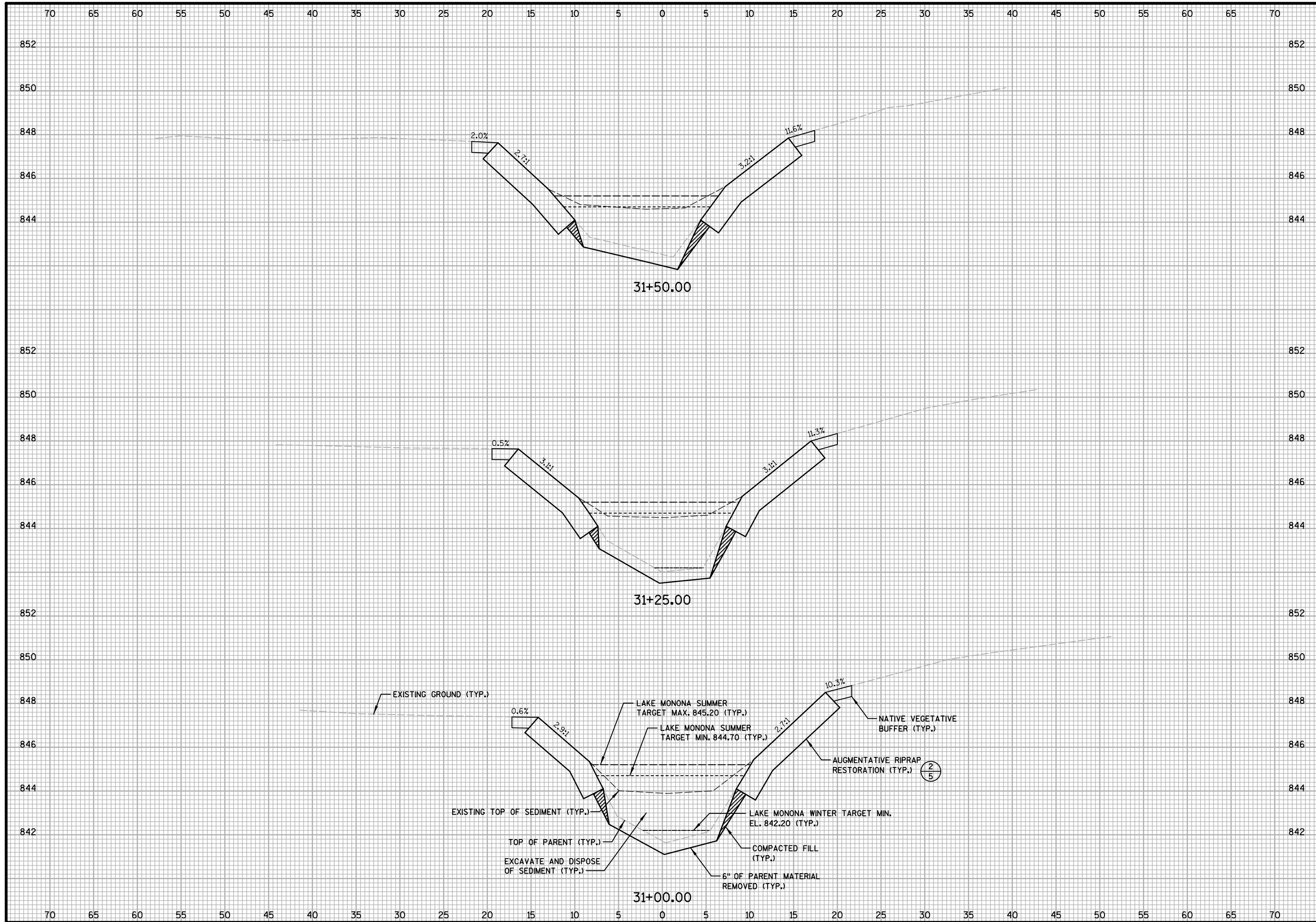
PLAN AND PROFILE

NORTH WINNEQUAH PARK LAGOON IMPROVEMENTS
CITY OF MONONA
DANE COUNTY, WISCONSIN

JOB NO.
1093.066
PROJECT MGR.
JHL



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7



DATE:	

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CROSS SECTIONS

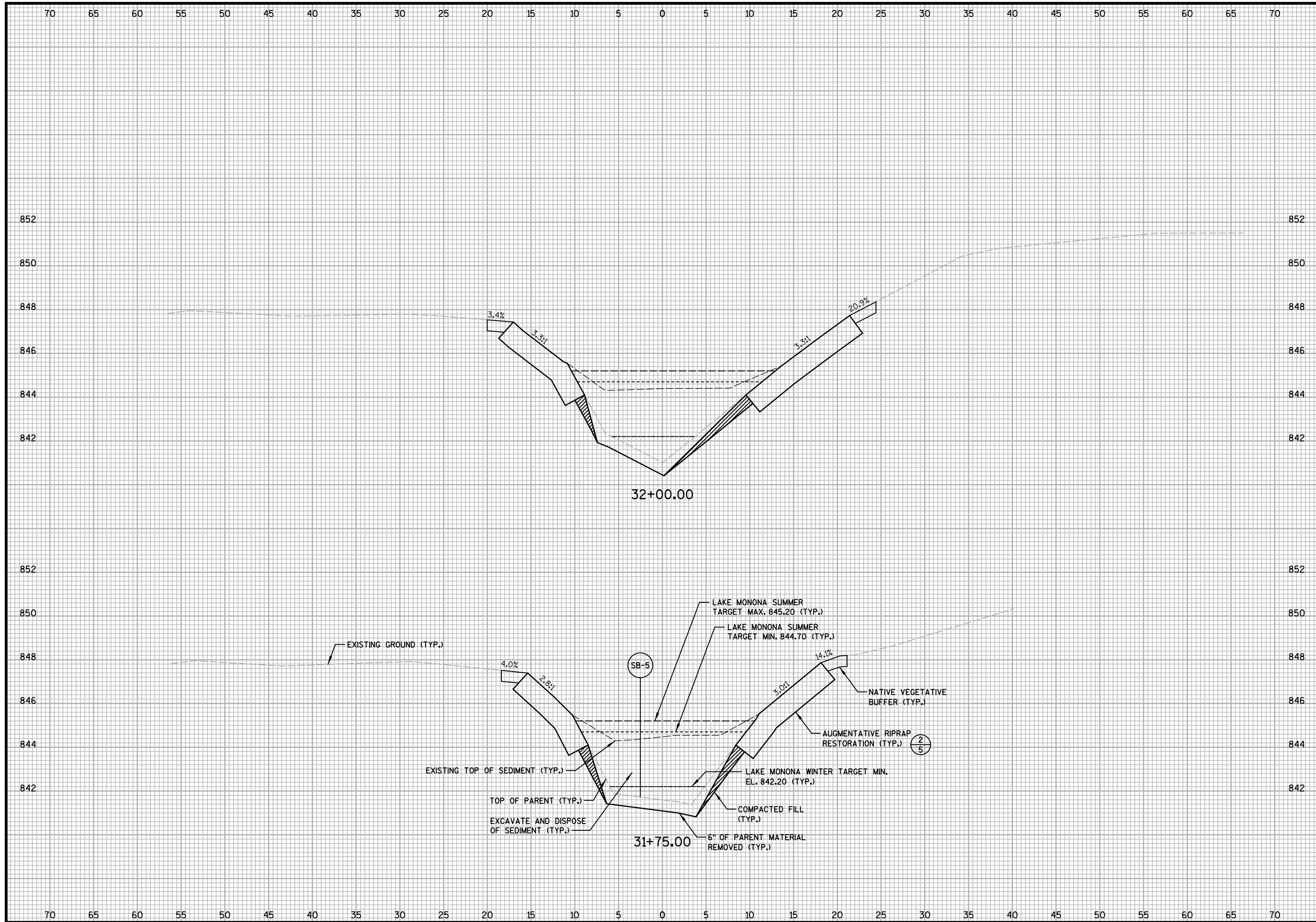
NORTH WINNEQUAH PARK LAGOON IMPROVEMENTS
CITY OF MONONA
DANE COUNTY, WISCONSIN

JOB NO.
1093.066

PROJECT MGR.
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NO.	REVISIONS		DATE	

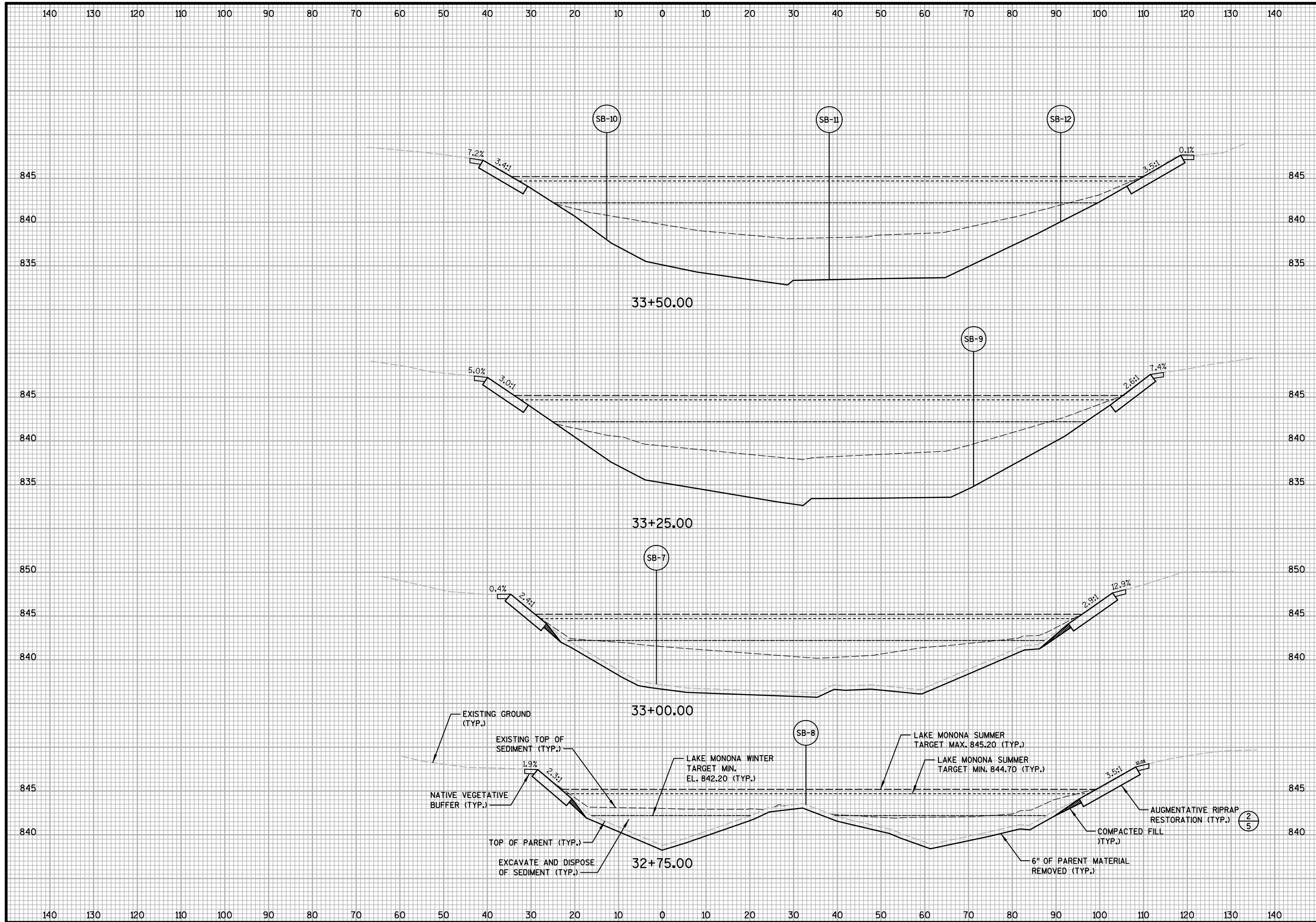
CROSS SECTIONS

NORTH WINNEQUAH PARK LAGOON IMPROVEMENTS
CITY OF MONONA
DANE COUNTY, WISCONSIN

JOB NO.
1093.066
PROJECT MGR.
JHL



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11



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CROSS SECTIONS

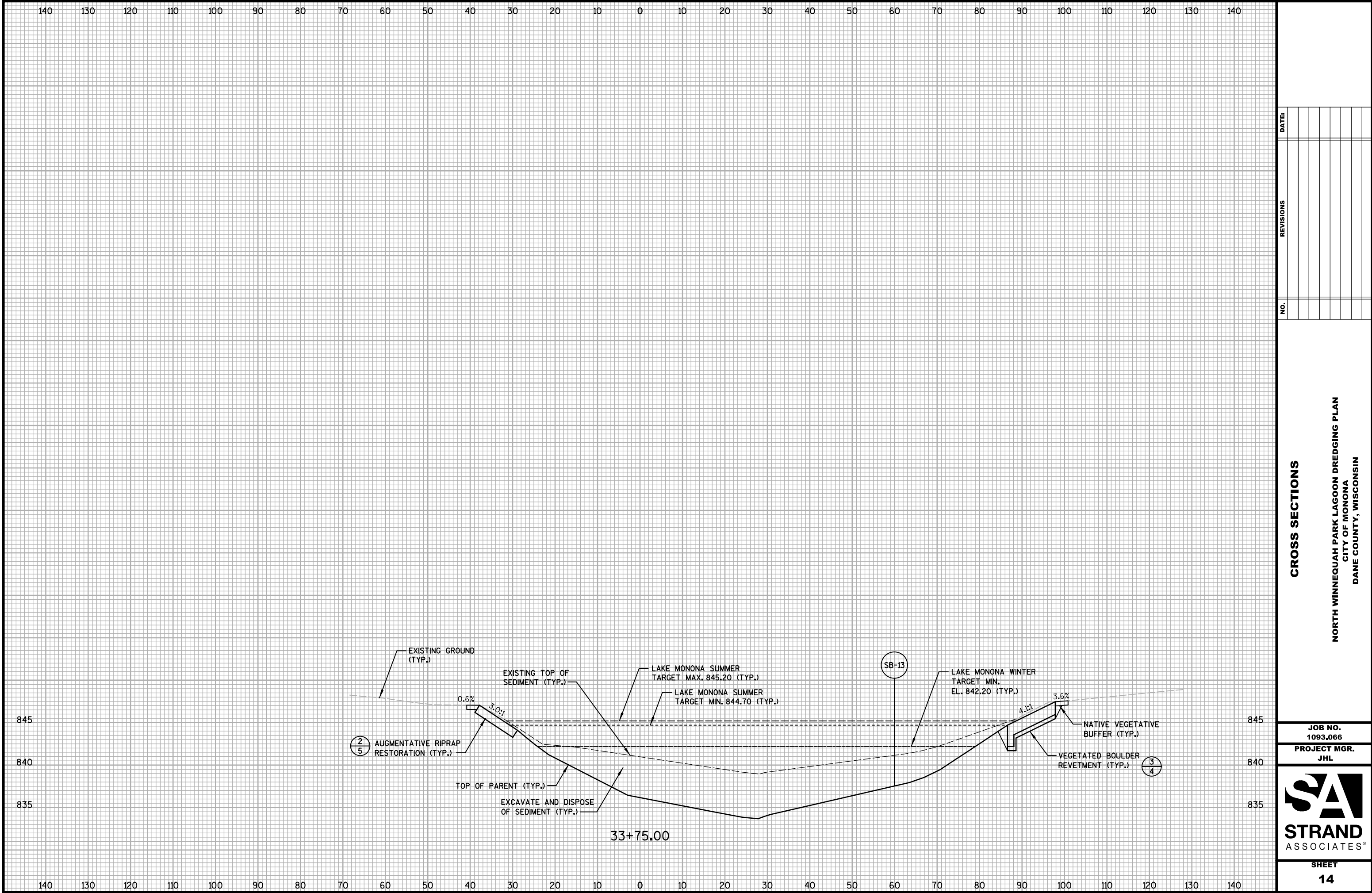
NORTH WINNEQUAH PARK LAGOON DREDGING PLAN
CITY OF MONONA
DANE COUNTY, WISCONSIN

JOB NO.
1093.066

PROJECT MGR.
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CROSS SECTIONS

NORTH WINNEQUAH PARK LAGOON DREDGING PLAN
CITY OF MONONA
DANE COUNTY, WISCONSIN

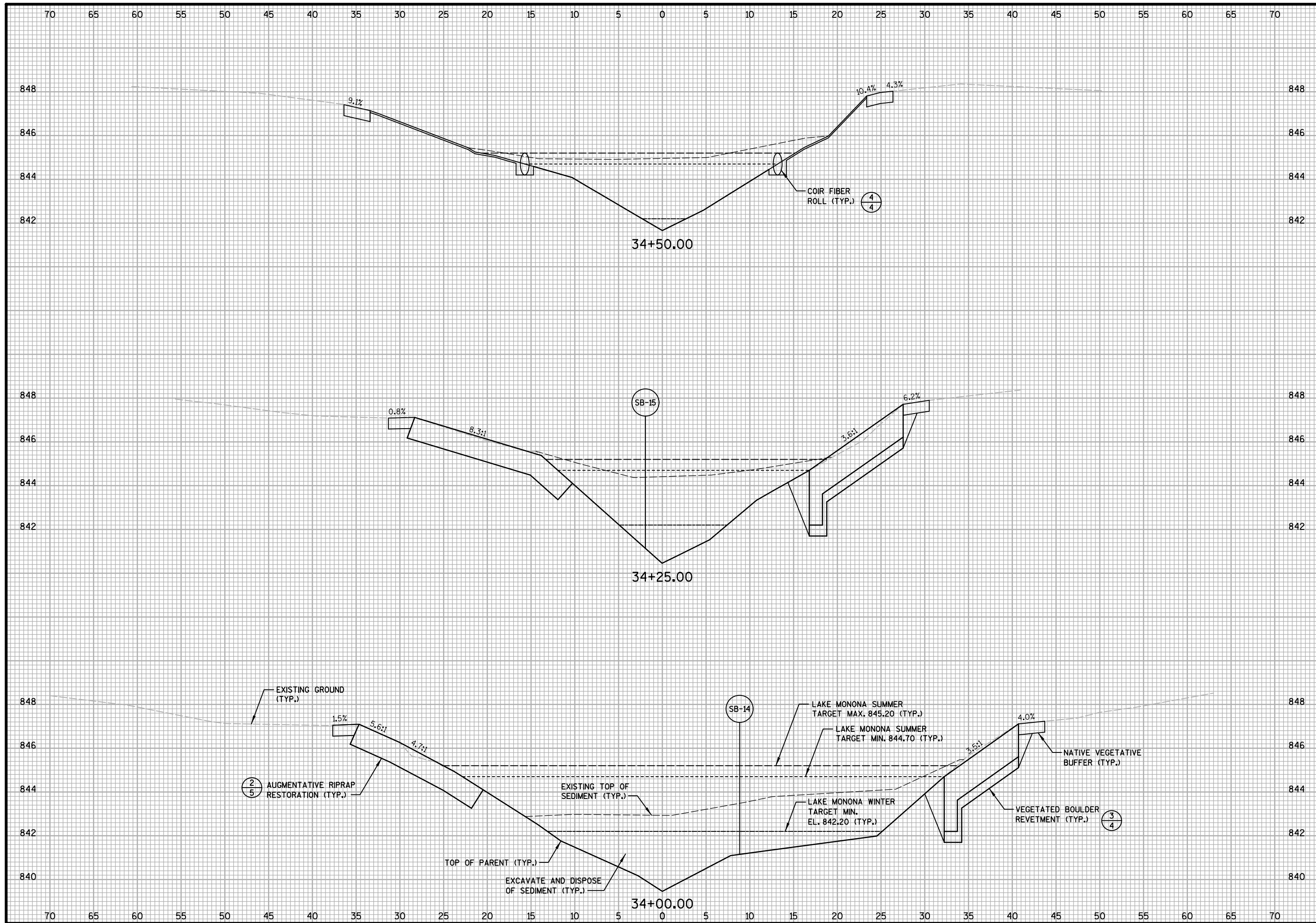
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JOB NO.
1093.066

PROJECT MGR.
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REVISIONS					
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CROSS SECTIONS

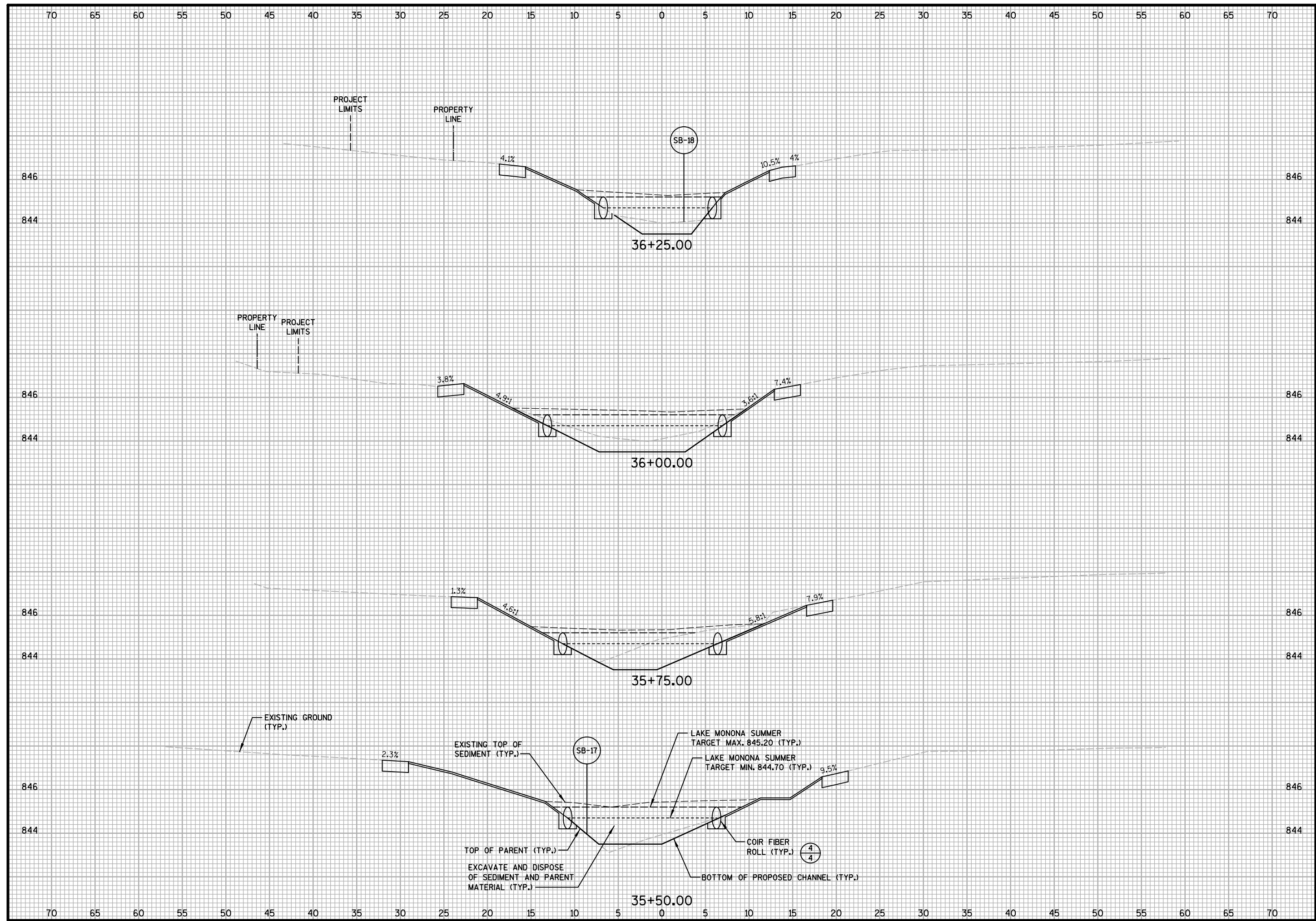
NORTH WINNEQUAH PARK LAGOON DREDGING PLAN
CITY OF MONONA
DANE COUNTY, WISCONSIN

JOB NO.
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PROJECT MGR.
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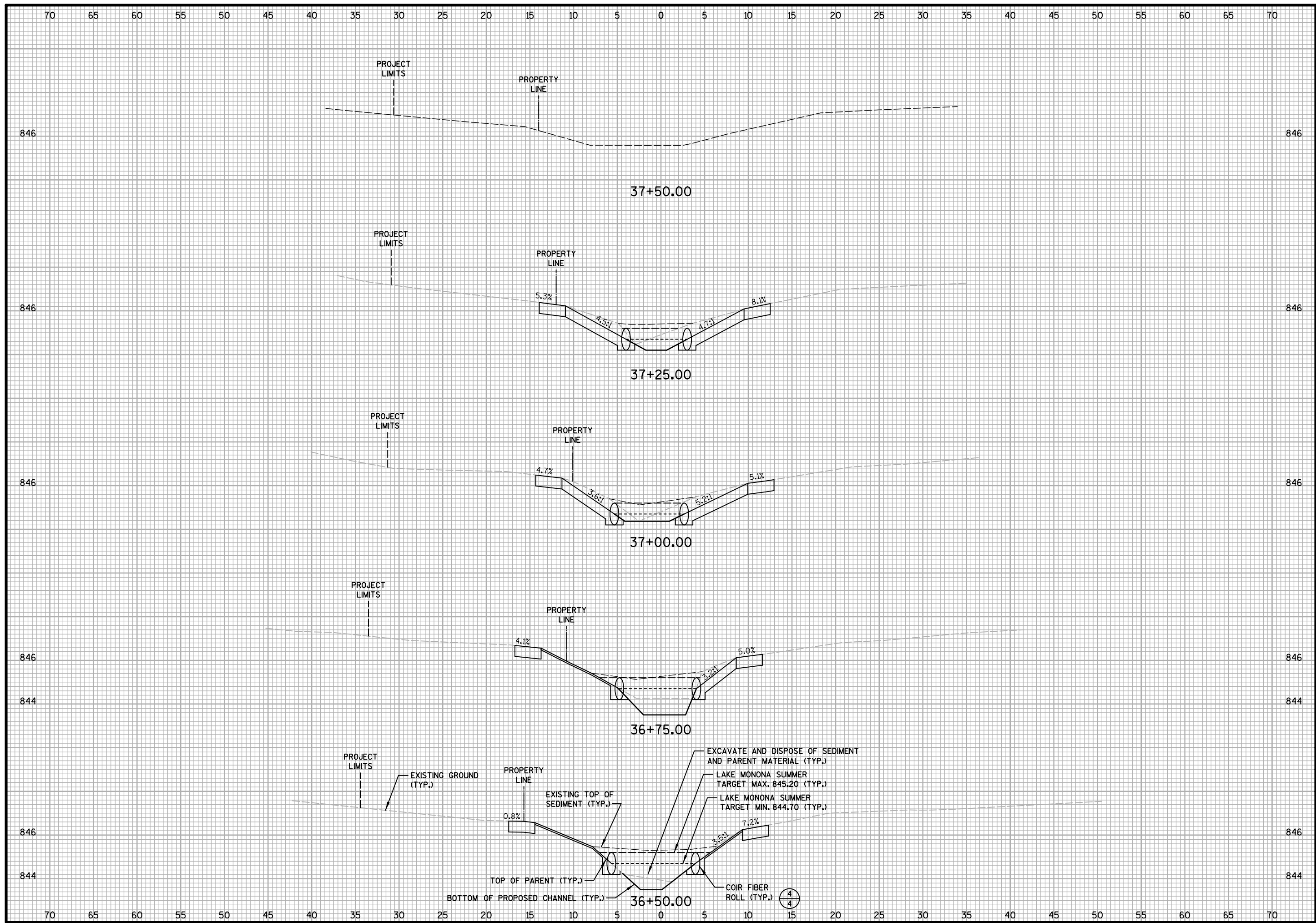
CROSS SECTIONS

JOB NO.
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PROJECT MGR.
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17

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CROSS SECTIONS

JOB NO.
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PROJECT MGR.
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SHEET
18

Meetings



MEETING MINUTES
North Winnequah Park Lagoon Improvements
City of Monona
January 24, 2019, 8:30 A.M.

Invitee	Representing	Present	Absent
Dan Stephany	City of Monona	X	
Brad Bruun	City of Monona	X	
Josh Straka	Strand Associates, Inc.® (Strand)	X	
Jon Lindert	Strand Associates, Inc.®	X	
Justin Gutoski	Strand Associates, Inc.®	X	

1. Tentative Project Schedule

<u>Tentative Project Schedule</u>	
<u>Milestone</u>	<u>Date</u>
Kickoff Meeting	6/8/2018
Request Grant Extension	12/1/2018
90% Design Documents to City and WDNR Grant Program	1/18/2019
Progress Meeting	1/24/2019
City Comments back to Strand	1/24/2019
Final Plans & Specs. Complete and Permits Submitted	2/1/2019
Submit Advertisement to Bid to Newspaper	2/1/2019
Advertise for Bids #1	2/7/2019
Advertise for Bids #2	2/14/2019
Contractor Submittal of Prequalification Questionnaire	2/22/2019
Bid Opening	2/28/2019
Award Contract	3/28/2019
Receive permits (assumed)	4/26/2019
Preconstruction Conference	5/23/2019
Shop Drawing Submittals	May/June 2019
Notice to Proceed (After July 4, 2019)	7/8/2019
Begin Construction	7/8/2019
Restoration Complete	9/30/2019
Construction Complete	11/1/2019

2. Construction Drawings

- a. Canoe Launch - The City stated that the canoe launch should be removed from the drawings and specifications. Also, stone steps should be added on the north side of the lagoon east of the fish habitat. Strand confirmed location with Jake Anderson.
- b. Augmentative Riprap - Brad asked about the type of stone being used for the Augmentative Riprap. He stated that the existing stone/riprap around the lagoon isn't all the same. After reviewing pictures of the pond perimeter, most of the stone appears to be jagged like riprap with minor amounts of rounded field stone. Strand is calling for new medium riprap to be used. There was some concern over the installation of the augmentative riprap and to ensure it is installed properly. The contractor should secure the placed stone in the existing ground by pushing it down with the end of a backhoe bucket and not just dump the riprap and leave it. Strand will include some language within the specifications about the installation of the augmentative riprap.

3. Specifications

- a. Excavation, Fill, Backfill, and Grading - It was discussed that the excavation specification is very crucial for a successful project. Strand added language to this section to state that a record survey (including submittal of raw survey data and TIN) stamped by a Professional Land Surveyor (PLS) shall be repeated until the survey shows that the proposed sediment and parent material removals have been achieved. The survey shall consist of cross sections at a minimum frequency of 15 feet with a minimum of 7 shots per cross section. Language has also been added that talks about approved locations for disposal of sediment. Strand is going to add a paragraph indicating that Contractor may investigate other options for sediment disposal as long as they meet state and federal requirements. This flexibility may help with lower bid prices if the Contractor has other less costly disposal locations in mind.

4. Easements

- a. It was discussed that currently the construction drawings are showing disturbance on the properties at 4906, 4908, and 4910 Winnequah Road for improvements to the channel between STA. 36+00 and 37+50. Strand noted that the project limits line could match the slope intercept line to minimize impacts to these properties. It was noted that the contractor could complete the work in this area by excavating directly from the channel or from the easterly side of the channel from the south bank. The drawings should remove the west 17-foot access area along this area. The City stated they have a survey that Vierbicher completed in 2012 of Firemen's Park that might include the property lines in this area. The construction drawings are currently just showing parcel lines from GIS files. Brad will look for the CAD file of this survey and send to Strand. Jake said he will communicate with affected property owners about the project. It was not anticipated that easements would be pursued.

5. Sediment Disposal

- a. Strand indicated that they have contacted Waste Management to determine where the excavated sediment can be disposed of. The sediment removed with high PCB's (Base Bid) is approved to be disposed of at the Orchard Ridge landfill in Menomonee Falls. Strand is still working with Waste Management to determine where the rest of the sediment can be taken to. It is hopeful that the sediment with lower PCB's will be approved for disposal at the landfill in Sun Prairie.

6. Permits Submittal

- a. Strand anticipates sending all of the necessary permit submittals for the project in early February, which include:
 - i. WDNR Chapter 30 permit (Dredging, Streambank Restoration (possible riprap exemption), Miscellaneous Structures).
 - ii. WDNR Notice of Intent (NOI) permit
 - iii. Strand will modify the construction documents to show just less than 3,000 CY of dredging to avoid the need for the Environmental Analysis and Decision on the Need for an Environmental Impact Statement (Form 1600-1). This might be accomplished by going from 6 inches to 5 inches of parent material excavation in the Base Bid and not removing 1 inch of parent material in Alternative No. 1 and 2 areas.

The contractor will be responsible for obtaining the WDNR Carriage and/or Interstitial Water Resulting from Dredging Operations General Permit and the Pit/Dewatering General Permit.

7. Construction Staging Areas

- a. A discussion was had about possible staging areas for dewatering material and storage areas for Contractor's equipment, materials, etc. The best locations for staging seemed to be north of the lagoon adjacent to the Blue Park playground or south of the lagoon just northeast of the multi-use path. The City will be putting orange snow fence around the Blue Park playground area. It was noted that Strand should show construction fencing being placed on the north side of the multi-use path adjacent to the staging area. Strand will show allowable staging areas on the Access and Erosion Control Plan and modify Project Limits lines as needed. Strand should also indicate on the drawings that the parking lot south of Nichols Road can be used as a staging area for field trailer, employee parking, and the like.

Strand will also add erosion control to the back side of expected piles, so the dredged spoils piles will not flow outside of project limits. All staging areas were verified and acceptable with Jake.

8. Clearing and Grubbing

- a. The City would like four existing trees on the south side of the lagoon and two on the north side near the entrance to be uprooted by the contractor, so the City can replant these in a different location. Strand will include a bid item for this work and show on the drawings. Strand noted that a lot of trees/brush on the south side of the lagoon from STA. 34+00-36+50 will need to be cleared and removed during construction. Strand followed up on this item with Jake and he confirmed the uprooting of the trees and clearing and grubbing on the south side of the lagoon.

9. RPR Services

- a. The City and Strand discussed and agreed that Strand will complete part-time RPR services during construction. Strand will be will also be completing RPR services for the City's Bridge Road project concurrently. Strand will be sending the City an amendment for part-time RPR Services for the Winnequah Park Lagoon project.

10. Construction Budget

- a. The City indicated that they have an approved budget of \$846,000 for the project, which includes construction, RPR Services and a contingency. It was discussed that with the current design, it doesn't appear the City would be able to construct the base bid along with both alternatives. Strand suggested that we put together an informational or unit price bid that would allow the contractor to provide a unit cost for the sediment excavation quantity. This would allow the contract documents to be set up such that the Contractor could be authorized to remove a lesser certain amount of sediment for alternatives #1 and #2 seeking to match the construction budget of the project.



AGENDA
North Winnequah Park Lagoon Final Design
City of Monona
June 8, 2018, 12:30 P.M.

Invitee	Representing	Present	Absent
Dan Stephany	City of Monona	X	
Brad Bruun	City of Monona	X	
Jacob Anderson	City of Monona	X	
Josh Straka	Strand Associates, Inc. [®] (Strand)	X	
Jon Lindert	Strand Associates, Inc. [®]	X	
Justin Gutoski	Strand Associates, Inc. [®]	X	

1. Review Preliminary Engineering Drawings

- a. Phase 1 and Phase 2?
 - i. It was discussed that it would be more cost efficient to complete Phase 1 and 2 at the same time under one contract. It was decided to move forward with this approach.
- b. Winnequah Park Master Plan
 - i. Certain park features such as a pedestrian bridge, path, pier may be incorporated into this contract. Further coordination will be needed. Jake requested that Strand prepare a scope and fee for design (in 2018) and construction observation of these features including any necessary soil borings and geotechnical report.

2. Preliminary Technical Specifications

- a. Pre- and post-construction survey of the lagoon (next phase)
- b. Pre-bid meeting and pre-qualification of bidders
 - i. City verified this should be included in the specifications.
- c. Include City's construction manual language regarding quantities
 - i. City confirmed we should use language from the City's construction manual in specifications.
- d. Remove fish from lagoon prior to construction
 - i. Construction of the project was discussed, and it is assumed that the water in the lagoon would be pumped out prior to work being done. This would require fish to be removed before commencement of construction.
- e. Geotechnical services?
 - i. Additional geotechnical services would be needed for pedestrian bridge. Strand only took sediment samples in the lagoon area. If no geotechnical services are requested Strand would need written authorization from the City to proceed with design without Geotech services. Dan said that adding quantities for undercut and backfill beneath the boulder revetment would be a good idea in lieu of getting soil borings to account for unsuitable soils.

3. Anticipated Permitting Requirements: See Attachment E

4. Tentative Project Schedule: Option 1 includes Strand getting contracted work done in 2018 as required by grant. Option 2 is modified if a grant extension is allowed, which has the project bid out in early 2019 after permits are obtained.
 - a. The two schedules below were discussed, and it was decided to go with Option 2 and request a grant extension at the beginning of December or before. This would allow for the design to be completed in 2018 and bidding and construction in 2019.

Tentative Project Schedule		
Milestone	Option 1	Option 2
A/E Contract Signed	4/13/2018	4/13/2018
Kickoff Meeting	6/8/2018	6/8/2018

Preliminary Design (Draft) to City	7/27/2018	7/27/2018
Progress Meeting (Invite Regulators)	8/3/2018	8/3/2018
City Comments back to Strand	8/17/2018	8/17/2018
Final Plans Complete and Permits Submitted	9/21/2018	9/21/2018
Advertise for Bids #1	9/27/2018	--
Advertise for Bids #2	10/4/2018	--
Bid Opening	10/11/2018	--
Award Contract	11/8/2018	--
Notice to Proceed	12/14/2018	--
Receive approved permits (assumed)	12/14/2018	12/14/2018
Request Grant Extension	--	12/1/2018
Grant Expiration Date	12/31/18	12/31/2018
Advertise for Bids #1	--	2/4/2019
Advertise for Bids #2	--	2/11/2019
Bid Opening	--	2/18/2019
Award Contract	--	3/4/2019
Notice to Proceed	--	4/1/2019
Preconstruction Conference	12/17/2018	3/18/2019
Begin Construction	1/2/2019	4/1/2019
Construction Complete	5/15/2019	9/15/2019

Permits



February 27, 2019

Daniel Stephany
City of Monona
5211 Schluter Road
Monona WI 53716

SUBJECT: Coverage Under WPDES General Permit No. WI-S067831-05: Construction Site Storm Water Runoff
Permittee Name: City of Monona
Site Name: North Winnequah Park Lagoon Improvements
FIN: 65365

Dear Permittee:

The Wisconsin Department of Natural Resources received your Water Resources Application for Project Permits or Notice of Intent, on February 13, 2019, for the North Winnequah Park Lagoon Improvements site and has evaluated the information provided regarding storm water discharges from your construction site. We have determined that your construction site activities will be regulated under ch. 283, Wis. Stats., ch. NR 216, Wis. Adm. Code, and in accordance with Wisconsin Pollutant Discharge Elimination System (WPDES) General Permit No. WI-S067831-05, Construction Site Storm Water Runoff. All erosion control and storm water management activities undertaken at the site must be done in accordance with the terms and conditions of the general permit.

The **Start Date** of permit coverage for this site is February 27, 2019. The maximum period of permit coverage for this site is limited to 3 years from the **Start Date**. Therefore, permit coverage automatically expires and terminates 3 years from the Start Date and storm water discharges are no longer authorized unless another Notice of Intent and application fee to retain coverage under this permit or a reissued version of this permit is submitted to the Department 14 working days prior to expiration.

A copy of the general permit along with extensive storm water information including technical standards, forms, guidance and other documents is accessible on the Department's storm water program Internet site. To obtain a copy of the general permit, please download it and the associated documents listed below from the following Department Internet site:
<http://dnr.wi.gov/topic/stormwater/construction/forms.html>

- Construction Site Storm Water Runoff WPDES general permit No. WI-S067831-05
- Construction site inspection report form
- Notice of Termination form

If, for any reason, you are unable to access these documents over the Internet, please contact me and I will send them to you.

To ensure compliance with the general permit, please read it carefully and be sure you understand its contents. Please take special note of the following requirements (This is not a complete list of the terms and conditions of the general permit.):

1. The Construction Site Erosion Control Plan and Storm Water Management Plan that you completed prior to submitting your permit application must be implemented and maintained throughout construction. Failure to do so may result in enforcement action by the Department.

2. The general permit requires that erosion and sediment controls be routinely inspected at least every 7 days, and within 24 hours after a rainfall event of 0.5 inches or greater. Weekly written reports of all inspections must be maintained. The reports must contain the following information:

- a. Date, time, and exact place of inspection;
- b. Name(s) of individual(s) performing inspection;
- c. An assessment of the condition of erosion and sediment controls;
- d. A description of any erosion and sediment control implementation and maintenance performed;
- e. A description of the site's present phase of construction.

3. A **Certificate of Permit Coverage** must be posted in a conspicuous place on the construction site. The Certificate of Permit Coverage (WDNR Publication # WT-813) is enclosed for your use.

4. When construction activities have ceased and the site has undergone final stabilization, a Notice of Termination (NOT) of coverage under the general permit must be submitted to the Department.

It is important that you read and understand the terms and conditions of the general permit because they have the force of law and apply to you. Your project may lose its permit coverage if you do not comply with its terms and conditions. The Department may also withdraw your project from coverage under the general permit and require that you obtain an individual WPDES permit instead, based on the Department's own motion, upon the filing of a written petition by any person, or upon your request.

If you believe that you have a right to challenge this decision to grant permit coverage, you should know that the Wisconsin statutes and administrative rules establish time periods within which requests to review Department decisions must be filed. For judicial review of a decision pursuant to ss. 227.52 and 227.53, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to file your petition with the appropriate circuit court and serve the petition on the Department. Such a petition for judicial review must name the Department of Natural Resources as the respondent.

To request a contested case hearing pursuant to s. 227.42, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to serve a petition for hearing on the Secretary of the Department of Natural Resources. All requests for contested case hearings must be made in accordance with s. NR 2.05(5), Wis. Adm. Code, and served on the Secretary in accordance with s. NR 2.03, Wis. Adm. Code. The filing of a request for a contested case hearing is not a prerequisite for judicial review and does not extend the 30-day period for filing a petition for judicial review.

Thank you for your cooperation with the Construction Site Storm Water Discharge Permit Program. If you have any questions concerning the contents of this letter or the general permit, please contact Eric Rortvedt at (608) 273-5612.

Sincerely,



Eric S. Rortvedt, P.E.
South Central Region
Water Resources Engineer

ENCLOSURE: Certificate of Permit Coverage

Cc: Justin Gutoski, Strand (via email)



CERTIFICATE OF PERMIT COVERAGE

UNDER THE WPDES CONSTRUCTION SITE STORM WATER RUNOFF PERMIT Permit No. WI-S067831-05

Under s. NR 216.455(2), Wis. Adm. Code, landowners of construction sites with storm water discharges regulated by the Wisconsin Department of Natural Resources (WDNR) Storm Water Permit Program are required to post this certificate in a conspicuous place at the construction site. This certifies that the site has been granted WDNR storm water permit coverage. The landowner must implement and maintain erosion control practices to limit sediment-contaminated runoff to waters of the state in accordance with the permit.

EROSION CONTROL COMPLAINTS

should be reported to the WDNR Tip Line at
1-800-TIP-WDNR (1-800-847-9367)

Please provide the following information to the Tip Line:

WDNR Site No. (FIN): 65365

Site Name: North Winnequah Park Lagoon Improvements

Address/Location: North Winnequah Park Lagoon northeast of Nichols Road, City of MONONA

Additional Information:

Landowner: City of Monona

Landowner's Contact Person: Daniel Stephany (City of Monona)

Contact Telephone Number: (608) 222-2525

Permit Start Date: February 27, 2019

By: _____



May 23, 2019

IP-SC-2019-13-00531, 00532 & 00533

City of Monona
Dan Stephany
5211 Schluter Road
Monona, WI 53716

Dear Mr. Stephany:

The Department of Natural Resources has completed its review of your application for permits associated with the North Winnequah Park Lagoon Improvements project, in the City of Monona, Dane County. You will be pleased to know your application is approved.

I am attaching a copy of your permit, which lists the many important conditions that must be followed to protect water quality and habitat. A copy of the permit must be posted for reference at the project site. Please read your permit conditions carefully so that you are fully aware of what is expected of you.

Please note you are required to submit photographs of the completed project within 7 days after you've finished construction. This helps both of us to document the completion of the project and compliance with the permit conditions.

Your next step will be to notify me of the date on which you plan to start construction and again after your project is complete.

If you have any questions about your permit, please call me at (608) 275-3481 or email wendy.peich@wisconsin.gov.

Sincerely,

Wendy Peich
Water Management Specialist

cc: Kerrie Hauser, Project Manager, (651) 290-5903, U.S. Army Corps of Engineers
Contractor/Consultant

The City of Monona is hereby granted under Section 30.12(3m), Wisconsin Statutes, a permit to place a structure on the bed of Winnequah Lagoon, in the City of Monona, Dane County, also described as being in the SW1/4 of the SW1/4 of Section 17, Township 07 North, Range 10 East, subject to the following conditions:

PERMIT

1. You must notify Wendy Peich at phone (608) 275-3481 or email wendy.peich@wisconsin.gov before starting construction and again not more than 5 days after the project is complete.
2. You must complete the project as described on or before 05/20/2022. If you will not complete the project by this date, you must submit a written request for an extension prior to expiration of the initial time limit specified in the permit. Your request must identify the requested extension date. The Department shall extend the time limit for an individual permit or contract for no longer than an additional 5 years if you request the extension before the initial time limit expires. You may not begin or continue construction after the original permit expiration date unless the Department extends the permit in writing or grants a new permit.
3. This permit does not authorize any work other than what you specifically describe in your application and plans, and as modified by the conditions of this permit. If you wish to alter the project or permit conditions, you must first obtain written approval of the Department.
4. Before you start your project, you must first obtain any permit or approval that may be required for your project by local zoning ordinances and by the U.S. Army Corps of Engineers. You are responsible for contacting these local and federal authorities to determine if they require permits or approvals for your project. These local and federal authorities are responsible for determining if your project complies with their requirements.
5. Upon reasonable notice, you shall allow access to your project site during reasonable hours to any Department employee who is investigating the project's construction, operation, maintenance or permit compliance.
6. The Department may modify or revoke this permit for good cause, including if the project is not completed according to the terms of the permit or if the Department determines the activity is detrimental to the public interest.
7. You must post a copy of this permit at a conspicuous location on the project site, visible from the waterway, for at least five days prior to construction, and remaining at least five days after construction. You must also have a copy of the permit and approved plan available at the project site at all times until the project is complete.

8. Your acceptance of this permit and efforts to begin work on this project signify that you have read, understood and agreed to follow all conditions of this permit.
9. You must submit a series of photographs to the Department, within one week of completing work on the site. The photographs must be taken from different vantage points and depict all work authorized by this permit.
10. You, your agent, and any involved contractors or consultants may be considered a party to the violation pursuant to Section 30.292, Wis. Stats., for any violations of Chapter 30, Wisconsin Statutes, or this permit.
11. Construction shall be accomplished in such a manner as to minimize erosion and siltation into surface waters. Erosion control measures (such as silt fence and straw bales) must meet or exceed the technical standards of ch. NR 151, Wis. Adm. Code. The technical standards are found at: http://dnr.wi.gov/topic/stormwater/standards/const_standards.html .
12. All equipment used for the project including but not limited to tracked vehicles, barges, boats, hoses, sheet pile and pumps shall be de-contaminated for invasive and exotic viruses and species prior to use and after use.

The following steps must be taken every time you move your equipment to avoid transporting invasive and exotic viruses and species. To the extent practicable, equipment and gear used on infested waters shall not be used on other non-infested waters.

1. Inspect and remove aquatic plants, animals, and mud from your equipment.
2. Drain all water from your equipment that comes in contact with infested waters, including but not limited to tracked vehicles, barges, boats, hoses, sheet pile and pumps.
3. Dispose of aquatic plants, animals in the trash. Never release or transfer aquatic plants, animals or water from one waterbody to another.
4. Wash your equipment with hot (>140° F) and/or high pressure water,

- OR -

Allow your equipment to dry thoroughly for 5 days.

FINDINGS OF FACT

1. The City of Monona has filed an application for a permit associated with improvements to Winnequah Lagoon, in the City of Monona, Dane County, also described as being in the SW1/4 of the SW1/4 of Section 17, Township 07 North, Range 10 East.
2. Activities associated with the North Winnequah park Lagoon Improvements include adding two new woody debris fish habitats, 6 large boulders, and limestone steps that would allow access along the

east and west banks for the public. The project will also include dredging out approximately 3,000 cubic yards (CY) of sediment within the lagoon of Winnequah Park north of Nichols Road.

3. The Department has completed an investigation of the project site and has evaluated the project as described in the application and plans.
4. Winnequah Lagoon is a navigable water (and no bulkhead exists at the project site.)
5. The proposed project, if constructed in accordance with this permit will not adversely affect water quality, will not increase water pollution in surface waters and will not cause environmental pollution as defined in s. 283.01(6m), Wis. Stats.
6. The proposed project will not impact wetlands if constructed in accordance with this permit.
7. The Department of Natural Resources has determined that the agency's review of the proposed project constitutes an equivalent analysis action under s. NR 150.20(2), Wis. Adm. Code. The Department has considered the impacts on the human environment, alternatives to the proposed projects and has provided opportunities for public disclosure and comment. The Department has completed all procedural requirements of s. 1.11(2)(c), Wis. Stats., and NR 150, Wis. Adm. Code for this project.
8. The Department of Natural Resources and the applicant have completed all procedural requirements and the project as permitted will comply with all applicable requirements of Sections 30.12(3m), Wisconsin Statutes and Chapters NR 102, 103, 328 and 345 of the Wisconsin Administrative Code.
9. The structure or deposit will not materially obstruct navigation, will not be detrimental to the public interest and will not materially reduce the flood flow capacity of a stream.
10. The activity will not cause environmental pollution as defined in s. 299.01(4).
11. No material injury will result to the riparian rights of any riparian owners of real property that abuts any water body that is affected by the activity.

CONCLUSIONS OF LAW

1. The Department has authority under the above indicated Statutes and Administrative Codes, to issue a permit for the construction and maintenance of this project.

NOTICE OF APPEAL RIGHTS

If you believe that you have a right to challenge this decision, you should know that the Wisconsin statutes and administrative rules establish time periods within which requests to review Department decisions shall be filed. For judicial review of a decision pursuant to sections 227.52 and 227.53, Wis.

Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to file your petition with the appropriate circuit court and serve the petition on the Department. Such a petition for judicial review shall name the Department of Natural Resources as the respondent.

To request a contested case hearing of any individual permit decision pursuant to section 30.209, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to serve a petition for hearing on the Secretary of the Department of Natural Resources, P.O. Box 7921, Madison, WI, 53707-7921. The petition shall be in writing, shall be dated and signed by the petitioner, and shall include as an attachment a copy of the decision for which administrative review is sought. If you are not the applicant, you must simultaneously provide a copy of the petition to the applicant. If you wish to request a stay of the project, you must provide information, as outlined below, to show that a stay is necessary to prevent significant adverse impacts or irreversible harm to the environment. If you are not the permit applicant, you must provide a copy of the petition to the permit applicant at the same time that you serve the petition on the Department.

The filing of a request for a contested case hearing is not a prerequisite for judicial review and does not extend the 30 day period for filing a petition for judicial review.

A request for contested case hearing must meet the requirements of section 30.209, Wis. Stats., and sections NR 2.03, 2.05, and 310.18, Wis. Admin. Code, and if the petitioner is not the applicant the petition must include the following information:

1. A description of the objection that is sufficiently specific to allow the department to determine which provisions of this section may be violated if the proposed permit or contract is allowed to proceed.
2. A description of the facts supporting the petition that is sufficiently specific to determine how the petitioner believes the project, as proposed, may result in a violation of Chapter 30, Wis. Stats;.
3. A commitment by the petitioner to appear at the administrative hearing and present information supporting the petitioner's objection.

If the petition contains a request for a stay of the project, the petition must also include information showing that a stay is necessary to prevent significant adverse impacts or irreversible harm to the environment.

Dated at South Central Region Headquarters, Wisconsin on 05/20/2019.

STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES

For the Secretary

By 

Wendy Peich
Water Management Specialist