



**US Army Corps
of Engineers**
St Paul District

APPLICANT: City of Independence

Public Notice

ISSUED: September 19, 2016

EXPIRES: September 29, 2016

REFER TO: 2006-06369-DAS

SECTION:404 - Clean Water Act

NOTICE: The work proposed in this public notice is being considered as a modification to a standard permit that was issued on December 9, 2014. We request that all comments be provided to the Corps within 10 days of the issue date of this notice.

1. APPLICATION FOR PERMIT MODIFICATION TO discharge fill and dredged material into no more than 2.24 acres of wetland adjacent to Bugle Lake in conjunction with the mechanical dredging of 11,000 cubic yards of material from the lake to restore the historical dimensions of the impoundment. The current permit authorizes the discharge of dredged and fill material into approximately 35.5 acres of Bugle Lake and adjacent wetlands in conjunction with the removal of 393,000 cubic yards of sediment by mechanical dredge to restore the lake which is an impoundment of Elk Creek.

2. SPECIFIC INFORMATION.

APPLICANT'S ADDRESS: 23688 Adams Street
Independence, Wisconsin 54747

AGENT: Russ Kiviniemi, P.E.
Cedar Corporation

AGENT'S ADDRESS: 604 Wilson Avenue
Menomonie, Wisconsin 54751

PROJECT LOCATION: The project site is located in Section 25, Township 22 North, Range 9 West, Trempealeau County, Wisconsin. The approximate UTM coordinates are Zone 15, X Coordinate 625620.66, Y Coordinate 4913203.95.

DESCRIPTION OF PROJECT: Bugle Lake was created in 1877 by the construction of a grist-mill dam on Elk Creek in the city of Independence. The original lake was 90 acres in size and had depths of 10 to 15 feet. The lake has a normal pool elevation of 778.40. Sediment deposits in the lake were excavated and Bugle Lake Island was created in the 1960's that resulted in a lake approximately 60 acres in size. Partial dredging also occurred in the 1980's that resulted in a lake approximately 20 acres in size. A survey completed in 2004 found the average depth of the lake was about 2.6 feet with a maximum depth of 7 feet. In an effort to improve the lake as a multiple-use surface water resource, the applicant proposed and was authorized to discharge dredged and fill material into approximately 35.5 acres of Bugle Lake and adjacent wetlands in conjunction with the removal of 393,000 cubic yards of sediment by mechanical dredge. The authorized work was completed in 2015.

In an effort to further improve the lake as a multiple-use surface water resource, the applicant currently proposes a modification to the authorized work to include the discharge of fill and dredged material into no more than 2.24 acres of wetland adjacent to Bugle Lake in conjunction with the mechanical dredging of 11,000 cubic yards of material from the lake.

QUANTITY, TYPE, AND AREA OF FILL: The proposed project involves the discharge of fill and dredged material in a work area measuring approximately 2.24 acres of fresh wet meadow wetland

Operations - Regulatory (2006-06369-DAS)
SUBJECT: Notice of Application for Permit

adjacent to Bugle Lake. Discharges of fill and dredged material would occur throughout the work area as a result of the work described above.

The discharge of dredged and fill material would occur as a result of the temporary stockpiling of dredged material, the temporary discharge of fill material for the construction of haul roads, the placement of 20 cubic yards of rock riprap in an area measuring 361 square feet to stabilize an existing culvert pipe outlet, the placement of 135 cubic yards of rock riprap in an area measuring 1,800 square feet to stabilize 180 linear feet of shoreline east of 5th Avenue, and the placement of 360 cubic yards of rock riprap in an area measuring 2,800 square feet to stabilize 280 linear feet of existing channel bank. The area is located along the west shore of the completed restoration work. The proposed work area would be finish graded pursuant to the typical lake bank and lake slope sections similar to previously completed work and existing permit.

VEGETATION IN AFFECTED AREA: The vegetation in the affected area is dominated by young communities associated with the sediment deposits in the lake.

SURROUNDING LAND USE: Bugle Lake is located in the city of Independence. The lake is predominantly surrounded by residential use, with some agricultural activity at the north end of the lake.

DESCRIPTION OF DREDGE PLACEMENT SITES: The excavated material would be hauled off-site and placed on City owned land at their industrial park located approximately one mile to the east of the proposed work area.

THE FOLLOWING POTENTIALLY TOXIC MATERIALS COULD BE USED AT THE PROJECT SITE: Potentially toxic materials would include fuel and lubricants typically associated with construction activities.

THE FOLLOWING PRECAUTIONS TO PROTECT WATER QUALITY HAVE BEEN DESCRIBED BY THE APPLICANT: The applicant would designate equipment access and storage areas and material stockpile locations, and incorporate appropriate erosion control measures at the dredge and placement sites.

MITIGATION: The applicant has proposed compensatory mitigation through the establishment of wetland vegetation along the shoreline of Bugle Lake which would be consistent with the compensatory mitigation that was required by the existing permit.

3. REPLIES/COMMENTS.

Interested parties are invited to submit to this office written facts, arguments, or objections within 30 days of the date of this notice. These statements should bear upon the suitability of the location and the adequacy of the project and should, if appropriate, suggest any changes believed to be desirable. Comments received may be forwarded to the applicant.

Replies may be addressed to Regulatory Branch, St. Paul District, Corps of Engineers, 180 Fifth Street East, Suite 700, Saint Paul, MN 55101-1678.

Or, IF YOU HAVE QUESTIONS ABOUT THE PROJECT, call Mr. David Studenski at the La Crescent office of the Corps, telephone number (651) 290 - 5902.

Operations - Regulatory (2006-06369-DAS)
SUBJECT: Notice of Application for Permit

To receive Public Notices by e-mail, go to: http://www2.mvp.usace.army.mil/list_server/ and add your information in the New Registration Box.

4. FEDERALLY-LISTED THREATENED OR ENDANGERED WILDLIFE OR PLANTS OR THEIR CRITICAL HABITAT.

None were identified by the applicant or are known to exist in the permit area. However, Trempealeau County is within the known or historic range of the following Federally-listed threatened (T) and endangered (E) species:

<u>Species</u>	<u>Habitat</u>
Eastern massasauga (Proposed)	Open to forested wetlands and adjacent uplands
Higgins' eye pearly mussel (E)	Mississippi River
Whooping crane (Experimental population)	Open wetlands and lakeshores
Northern long-eared bat (T)	Hibernates in caves - swarming in surrounding wooded areas in autumn. During summer, roosts and forages in upland forests.

This application is being coordinated with the U.S. Fish and Wildlife Service. Any comments it may have concerning Federally-listed threatened or endangered wildlife or plants or their critical habitat will be considered in our final assessment of the described work.

5. JURISDICTION.

This application is being reviewed in accordance with the practices for documenting Corps jurisdiction under Sections 9 & 10 of the Rivers and Harbors Act of 1899 and Section 404 of the Clean Water Act identified in Regulatory Guidance Letter 08-02. We have made an initial determination that the aquatic resources that would be impacted by the proposed project are regulated by the Corps of Engineers under Section 404 of the Clean Water Act and/or Section(s) 9 & 10 of the Rivers and Harbors Act. The Corps will prepare an approved or preliminary jurisdictional determination prior to making a permit decision. Approved jurisdictional determinations are posted on the St. Paul District web page at <http://www.mvp.usace.army.mil/Missions/Regulatory.aspx>.

THE APPLICANT HAS STATED THAT THE FOLLOWING STATE, COUNTY, AND/OR LOCAL PERMITS HAVE BEEN APPLIED FOR/ISSUED: The applicant has applied to the Wisconsin Department of Natural Resources (DNR). The DNR issued a permit amendment on May 12, 2016.

6. STATE SECTION 401 WATER QUALITY CERTIFICATION.

The Wisconsin Department of Natural Resources issued a permit amendment on May 12, 2016 under authority of Section 30.20(2) and 30.12, Wisconsin Statutes, and has determined the DNR has complied with Section 1.11, Wisconsin Statutes and NR 150, Wisconsin Administrative Code.

7. HISTORICAL/ARCHAEOLOGICAL.

I was determined as a result of the Corps' review of the existing permit that no historic sites were found to exist within the vicinity of the proposed project. This public notice is being sent to the National Park Service and the State Archaeologist for their comments. The Corps will review

Operations - Regulatory (2006-06369-DAS)
SUBJECT: Notice of Application for Permit

information on known cultural resources and/or historic properties within and adjacent to the project area. The Corps will also consider the potential effects of the project on any properties that have yet to be identified. The results of this review and the Corps' determination of effect will be coordinated with the State Historic Preservation Officer independent of this public notice. Any adverse effects on historic properties will be resolved prior to the Corps authorization, or approval, of the work in connection with this project.

8. PUBLIC HEARING REQUESTS.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, in detail, the reasons for holding a public hearing. A request may be denied if substantive reasons for holding a hearing are not provided or if there is otherwise no valid interest to be served.

9. PUBLIC INTEREST REVIEW.

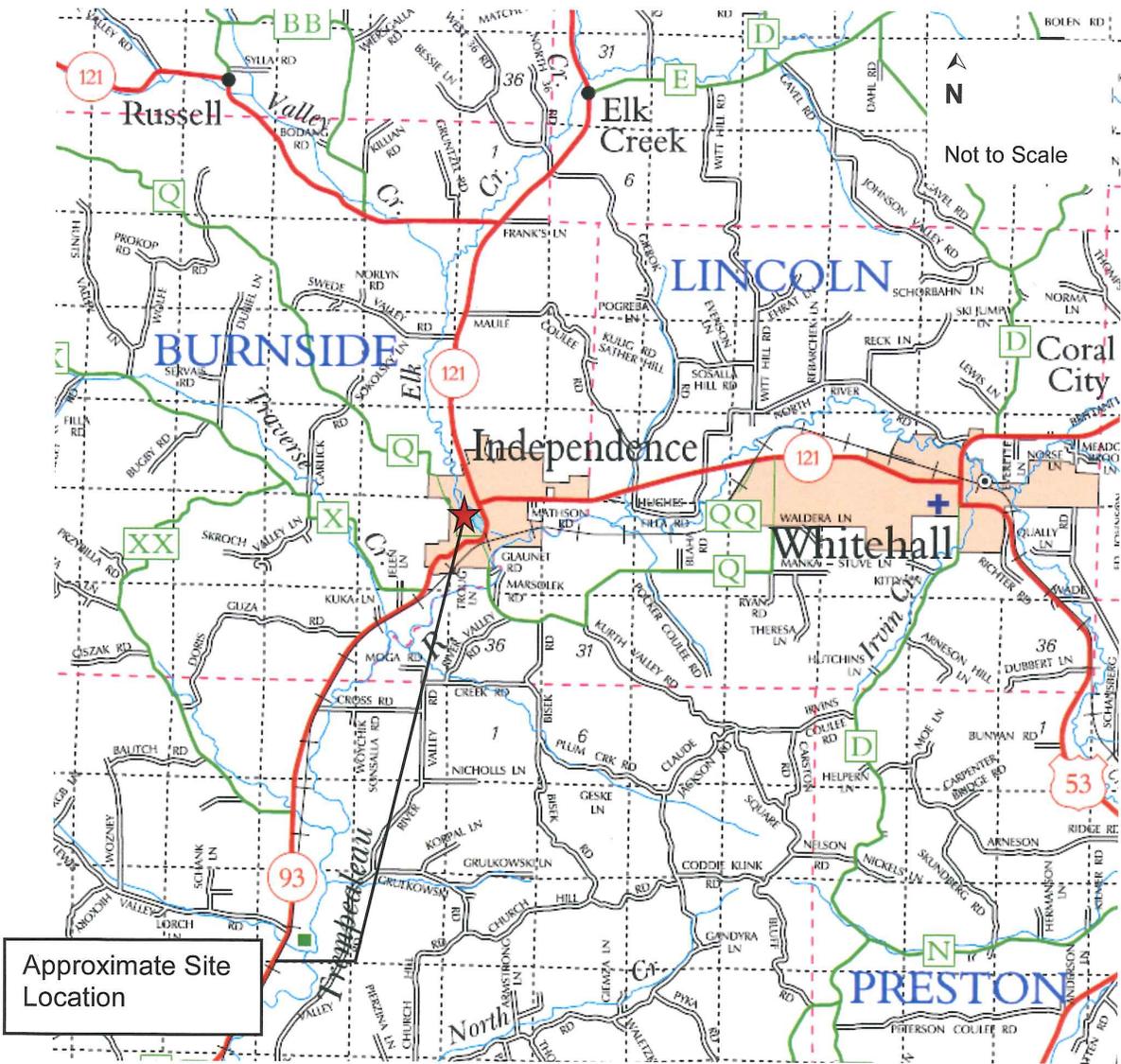
The decision whether to issue a permit will be based on an evaluation of the probable impact, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects. Among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production and, in general, the needs and welfare of the people. Environmental and other documents will be available for review in the St. Paul District Office.

The Corps of Engineers is soliciting comments from the public; Federal, State, and local agencies and officials; Indian tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Kristen Hafer
Chief, Southwest Section

Enclosures

NOTICE TO EDITORS: This public notice is provided as background information and is not a request or contract for publication.

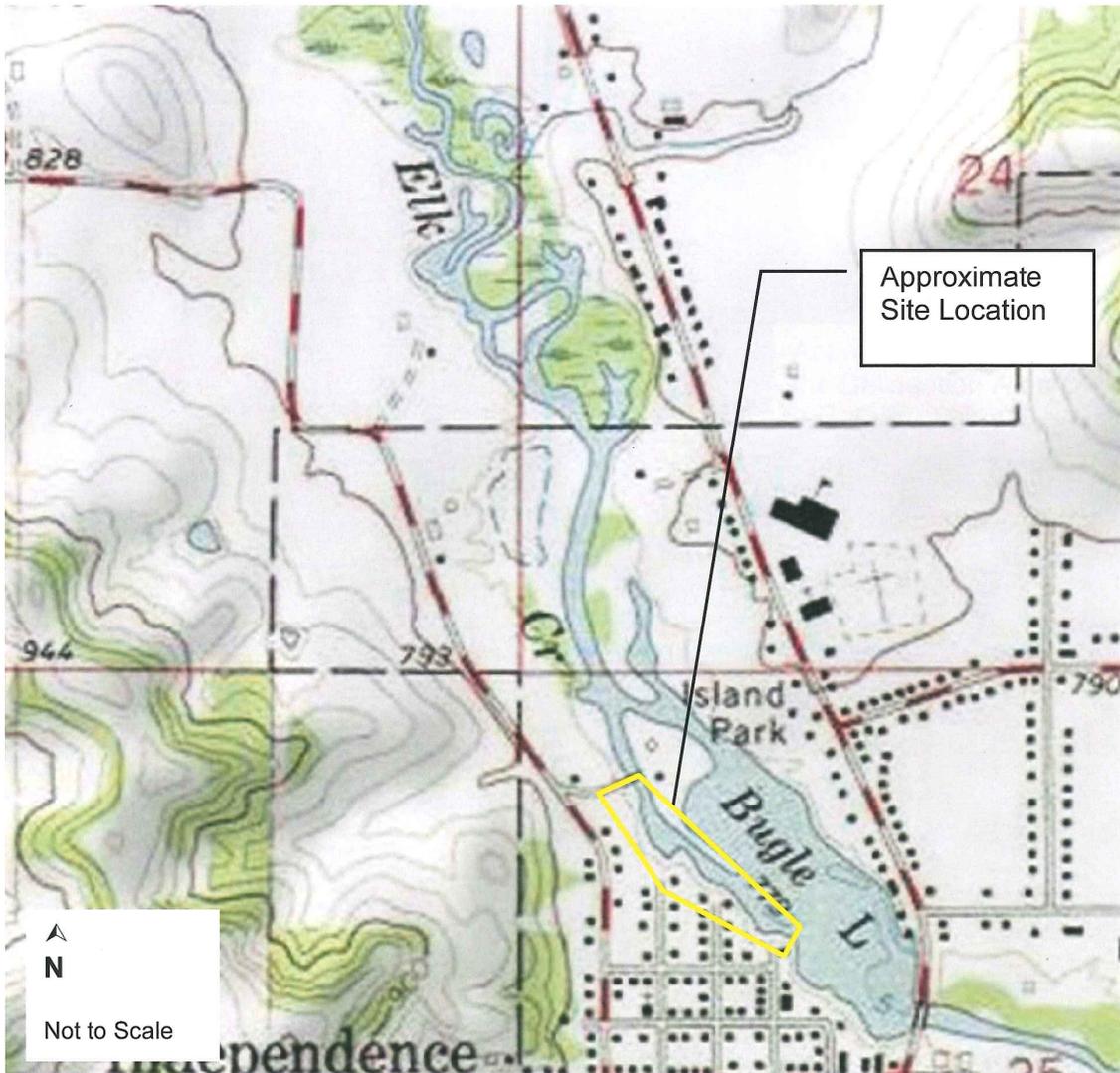


Approximate Site Location

Figure 1. Location Map
 Bugle Lake Southwest Edge
 Independence, Wisconsin

Project No. 2015.058





**Figure 2. U.S.G.S.
Quadrangle Map
Bugle Lake Southwest Edge
Independence, Wisconsin**

Project No. 2015.058



**Figure 3. Aerial Photo With
 Approximate Wetland Boundaries**

Bugle Lake Southwest Edge
 Independence, Wisconsin

Project No. 2015.058

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Wetland Delineation
Bugle Lake
City of Independence
Trempealeau Co., Wisconsin
Figure 1

CITY OF INDEPENDENCE

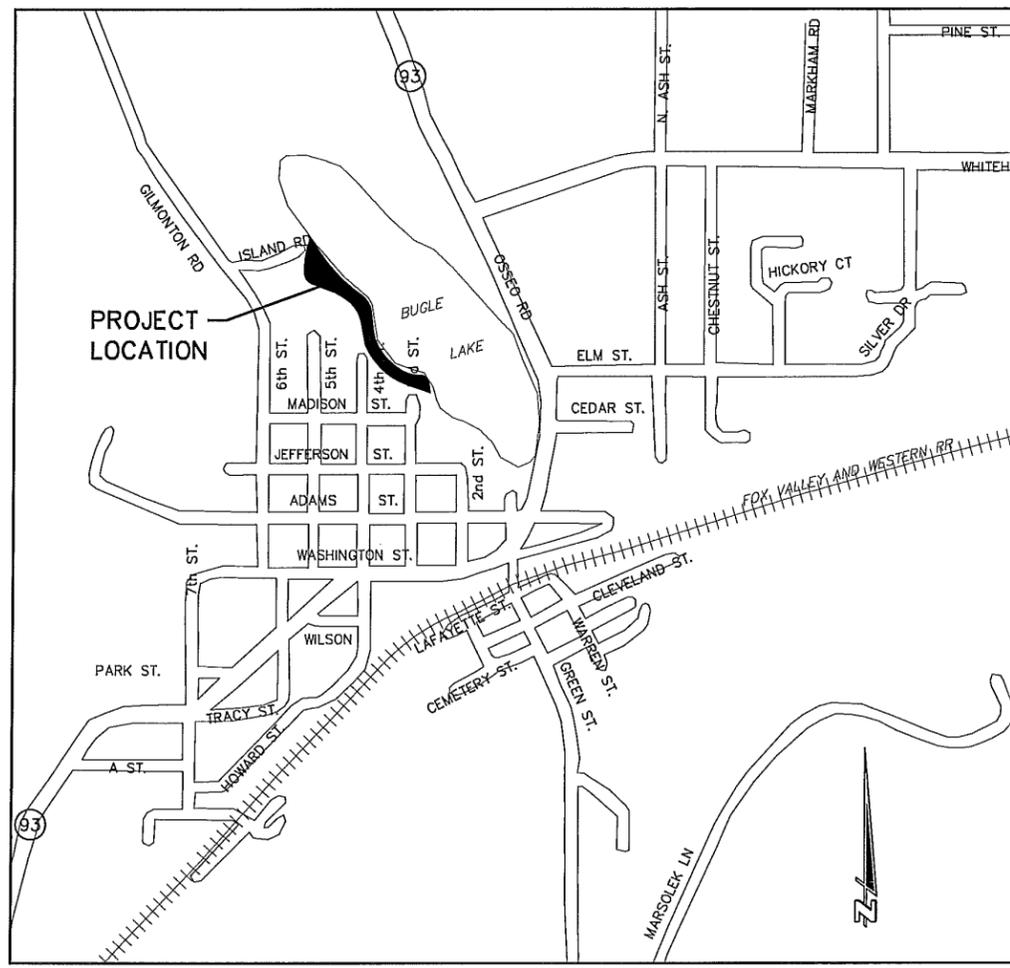
LOWER BUGLE LAKE RESTORATION DREDGING TREMPEALEAU COUNTY, WISCONSIN



WISCONSIN
TREMPEALEAU COUNTY

STANDARD SYMBOLS

<ul style="list-style-type: none"> EXISTING WATER VALVE PROPOSED WATER VALVE EXISTING CURBSTOP PROPOSED CURBSTOP EXISTING GRINDER PUMP PROPOSED GRINDER PUMP PROPOSED MANHOLE EXISTING SANITARY MANHOLE EXISTING STORM MANHOLE EXISTING CATCH BASIN OR INLET PROPOSED CATCH BASIN OR INLET EXISTING HYDRANT PROPOSED HYDRANT CLEANOUT TELEPHONE PED SILT FENCE (SLOPE TOE) SILT FENCE (DITCH CHECK) UTILITY POLE GUY WIRE ANCHOR ELECTRIC PEDESTAL LIGHT POLE CABLE TV PEDESTAL CONIFEROUS TREE DECIDUOUS TREE ANY STUMP SHRUB TREE LINE 	<ul style="list-style-type: none"> EQUATION STATION EXISTING ROAD SURFACE EXISTING CULVERT PROPOSED CULVERT CEMETERY 1-POST SIGN 2-POST SIGN TRAFFIC SIGNAL IRON ROD BENCHMARK OR SECTION CORNER LOCATION SECTION CORNER ID BRIDGE IRON PIPE CONTROL POINT ROW EXISTING RIGHT OF WAY PROPOSED RIGHT OF WAY TEST PIT PIEZOMETER MONITORING/WATER WELL EXISTING CONTOURS PROPOSED CONTOURS 	<ul style="list-style-type: none"> TRAFFIC FLOW CENTERLINE SURVEY LINE CONTROL CABINET HANDICAP MAILBOX R/W MONUMENT COMBUSTIBLE FLUID ABOVEGROUND STORAGE TANK MARSH/WETLAND RAILROAD TRACKS BARBED WIRE FENCE CHAINLINK FENCE WOODEN FENCE SHORELINE STONEWALL GUARDRAIL TEXT UTILITY LINE WITH TEXT (SIZE) STM=STORM SEWER (SIZE) SAN=SANITARY SEWER TV=CABLE TELEVISION E-ELECTRIC T-TELEPHONE G-GAS (SIZE) W=WATER SAN PROPOSED SANITARY SEWER STM PROPOSED STORM SEWER WTR PROPOSED WATERMAIN FM PROPOSED FORCEMAIN
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PROJECT LOCATION

SHEET INDEX

SHEET	SHEET DESCRIPTION
1	TITLE SHEET
2-3	CONSTRUCTION DETAILS
4-6	CONSTRUCTION PLANS - PHASES I - VIII

CITY OF INDEPENDENCE
23688 ADAMS STREET
INDEPENDENCE, WI 54747
ROBERT BAECKER
MAYOR
715-985-3055

CITY OF INDEPENDENCE
PO BOX 189
23688 ADAMS STREET
INDEPENDENCE, WI 54747
DENNIS PRONSHINSKE, DAVID GAMROTH
WATER & SEWER
JAMES BISEK
STREET DEPARTMENT
715-985-3055

UTILITIES

MIDWEST NATURAL GAS, INC.
23389 WHITEHALL ROAD
INDEPENDENCE, WI 54747
ELLIOTT SOLSRUD
715-385-5500

XCEL ENERGY
PO BOX 8
EAU CLAIRE, WI 54702
DAWN SCHULTZ
715-737-2482
down.schultz@xcelenergy.com

TRI-COUNTY COMMUNICATIONS
COOPERATIVE INC.
417 5TH AVENUE NORTH
STRUM, WI 54770
BUCK WEBB
715-695-2691
bwebb@TCC.coop

DIGGER'S HOTLINE
1-800-242-8511

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DATE DEC 2015
REVISIONS
REFERENCE FILE 00base_*.dwg
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Cedar
corporation

604 Wilson Avenue
Menomonie, Wisconsin 54751
715-235-9081
800-472-2272
FAX 715-235-9081
www.cedarcorp.com

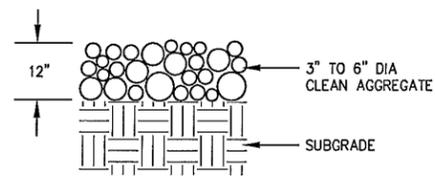
business architects • planners • environmental specialists
land surveys • landscape architects • interior designers

CITY OF INDEPENDENCE
LOWER BUGLE LAKE RESTORATION DREDGING
TREMPEALEAU COUNTY, WISCONSIN
TITLE SHEET

SHEET NO. 1 OF 6

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY PERSONAL DIRECTION AND CONTROL AND THAT I AM A DULY REGISTERED PROFESSIONAL UNDER THE LAWS OF THE STATE OF WISCONSIN.

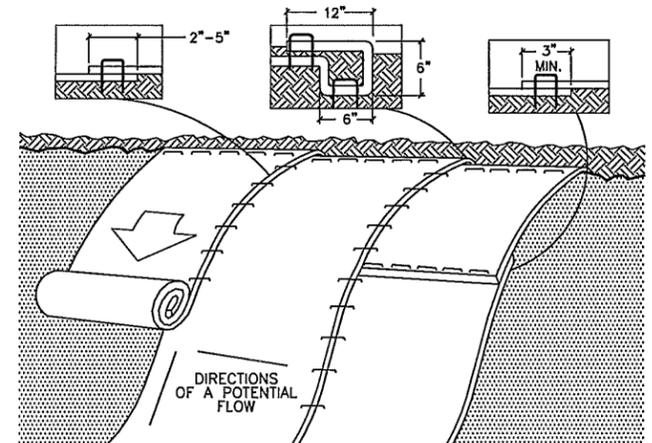
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NOTES:
TRACKING PAD AREA TO BE 50' x 20'
UNLESS OTHERWISE NOTED.

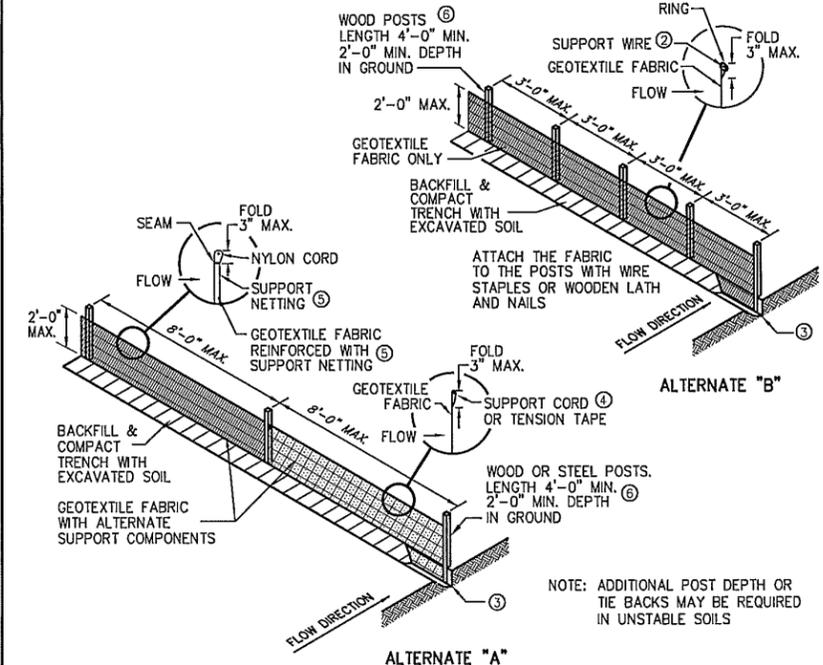
REMOVE AND REPLACE AGGREGATE WHEN
VOIDS BECOME FILLED WITH SEDIMENT OR IF
SURFACE OPENINGS BECOME PLUGGED SO THAT
TRACKING PAD DOES NOT FUNCTION

AGGREGATE TRACKING PAD
NO SCALE

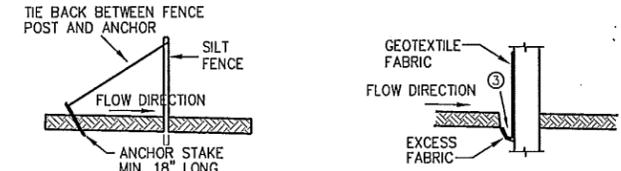


- * PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL MAT, INCLUDING GRADING, TOPSOIL, SEED & FERTILIZER.
- * BEGIN AT TOP OF SLOPE, BY ANCHORING MAT IN TRENCH, INSTALL STAPLES 12" APART, SEE DETAIL.
- * ROLL MAT DOWN SLOPE AS SHOWN. FASTEN MAT TO SOIL SURFACE W/ STAPLES. STAPLE PATTERN GUIDE BY MFR.
- * OVERLAP MAT AS PER MFRS. SPEC.
- * NORTH AMERICAN GREEN, USA 1-800-772-2040, www.nogreen.com.

EROSION CONTROL MAT
NO SCALE



NOTE: ADDITIONAL POST DEPTH OR
TIE BACKS MAY BE REQUIRED
IN UNSTABLE SOILS

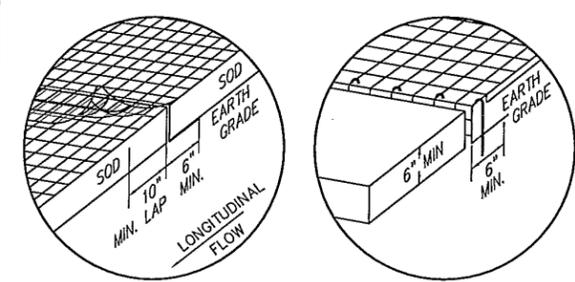


SILT FENCE TIE BACK
(WHEN REQUIRED BY THE ENGINEER)

TRENCH DETAIL

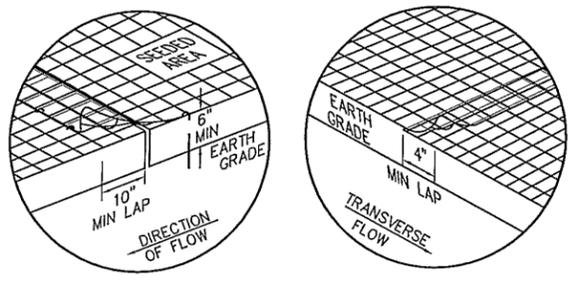
- GENERAL NOTES**
- DETAIL OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.
- WHEN POSSIBLE THE SILT FENCE SHOULD BE CONSTRUCTED IN AN ARC OR HORSESHOE SHAPE, WITH THE ENDS POINTING UPSLOPE TO MAXIMIZE BOTH STRENGTH AND EFFECTIVENESS.
- CROSS BRACE WITH 2"x4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS AS DIRECTED BY THE ENGINEER.
 - MINIMUM 14 GAGE WIRE REQUIRED, FOLD FABRIC 3" OVER THE WIRE AND STAPLE OR PLACE WIRE RINGS ON 12" C-C.
 - EXCAVATE A TRENCH A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
 - WIRE SUPPORT FENCE SHALL BE 14 GAGE MINIMUM WOVEN WIRE WITH A MAXIMUM MESH SPACING OF 6". SECURE TOP OF GEOTEXTILE FABRIC TO TOP OF FENCE WITH STAPLES OR WIRE RINGS AT 12" C-C.
 - GEOTEXTILE FABRIC SHALL BE REINFORCED WITH AN INDUSTRIAL POLYPROPYLENE NETTING WITH A MAXIMUM MESH SPACING OF 3/4" OR EQUAL. A HEAVY DUTY NYLON TOP SUPPORT CORD OR EQUIVALENT IS REQUIRED.
 - STEEL POSTS SHALL BE STUDDED "TEE" OR "U" TYPE WITH A MINIMUM WEIGHT OF 1.28 LBS/LINEAL FOOT (WITHOUT ANCHOR). FIN ANCHORS SUFFICIENT TO RESIST POST MOVEMENT ARE REQUIRED. WOOD POSTS FOR GEOTEXTILE FABRIC REINFORCED WITH NETTING SHALL BE A MINIMUM SIZE OF 1-1/8"x1-1/8" OAK OR HICKORY.
- ALTERNATES A & B ARE EQUAL AND EITHER MAY BE USED.

SILT FENCE
NO SCALE



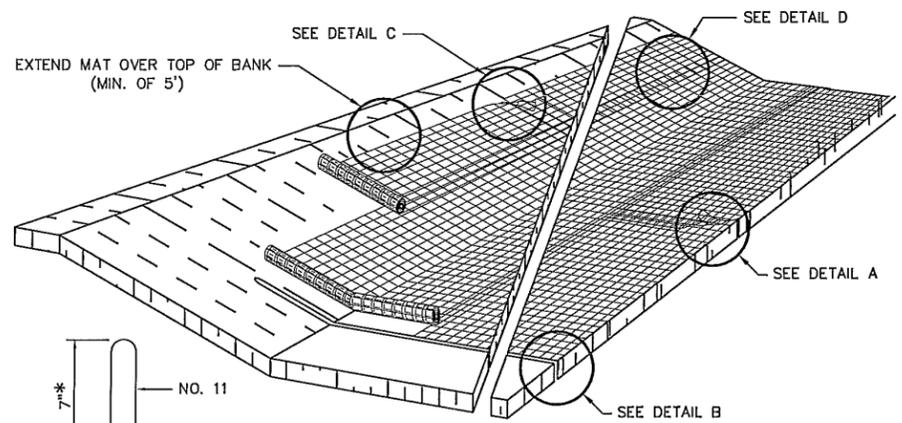
DETAIL A
JUNCTION SLOT
SOD ONLY

DETAIL B
ANCHOR SLOT
AT BEGINNING AND END OF EROSION MAT



DETAIL C
JUNCTION SLOT
SEED ONLY

DETAIL D
LAP JOINT
SEED AND SOD



TYPICAL STAPLE

NO. 11
1" TO 2"

* 6" MIN (HIGHLY COMPACT SOILS)
8" MIN (FRIABLE SOILS)
10" MIN (LOOSE AND SANDY SOILS)

CLASS	TYPE
A	TEMPORARY
B	INTERMEDIATE
C	PERMANENT

EROSION MAT

- GENERAL NOTES**
- DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.
- LAP JOINTS SHALL NOT BE PLACED IN THE BOTTOM OF V-SHAPED DITCHES.
- JUNCTION SLOTS ON ADJACENT STRIPS OF MATTING SHALL BE STAGGERED A MINIMUM OF 4 FEET APART.
- EDGES OF THE EROSION MAT SHALL BE IMPRESSED IN THE SOIL.
- FOR EROSION MAT OVER SEEDING JUNCTION OR ANCHOR SLOTS SHALL BE AT MINIMUM INTERVALS OF 50 FEET.

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REVISIONS	
REFERENCE FILE	
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Cedar corporation
engineers - architects - planners - environmental geologists
land surveyors - landscape architects - interior designers

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Suite 424
715-235-9881
FAX 920-491-0001

2737 S. Ridge Rd.
Suite 404
Waukesha, WI 53004
920-491-0001
FAX 920-491-0001

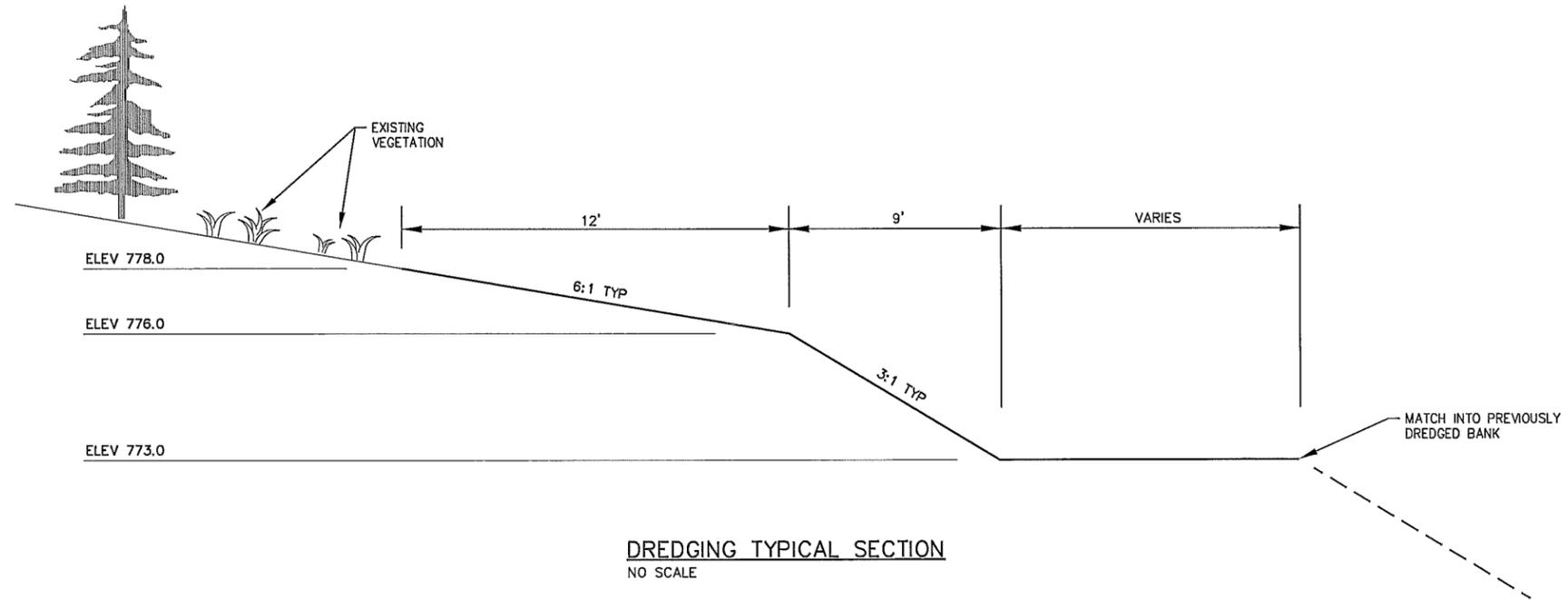
604 Wilson Ave.
Suite 142
715-235-9881
FAX 715-235-2727

800-472-7372
www.cedarcorp.com

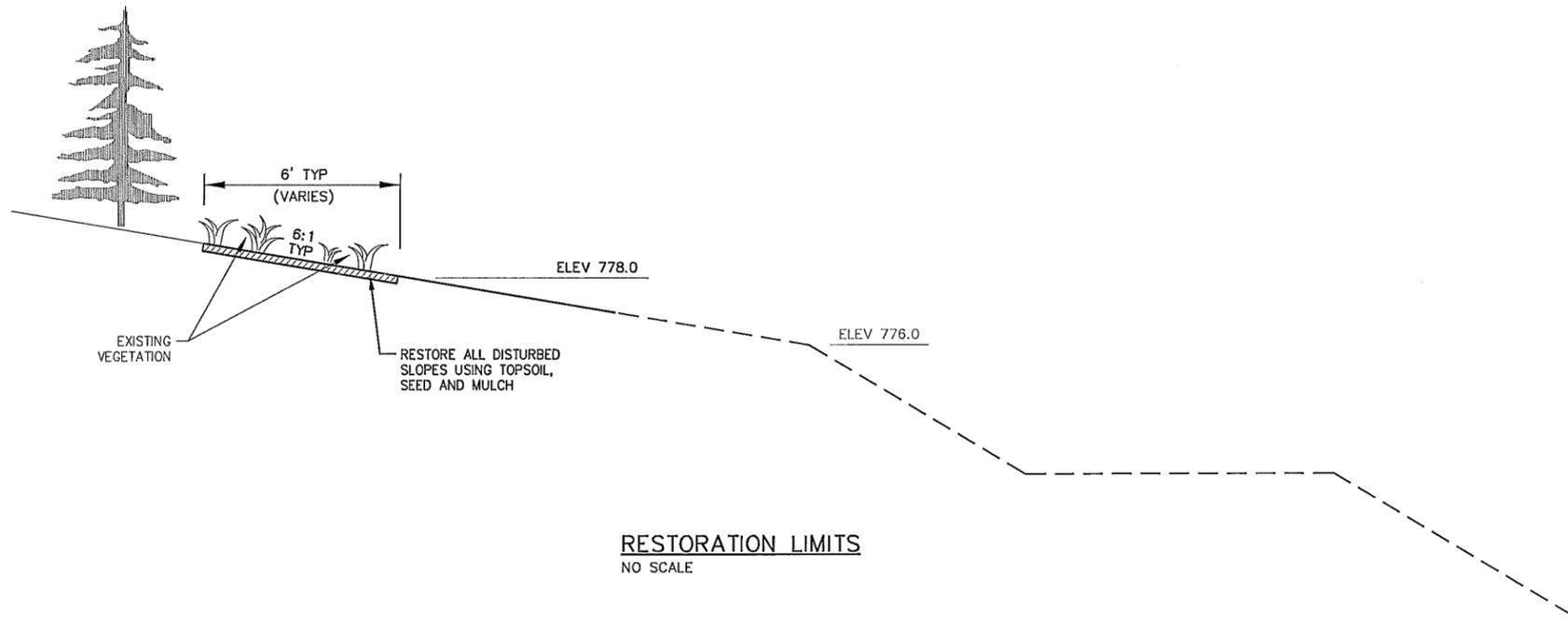
CITY OF INDEPENDENCE
LOWER BUGLE LAKE RESTORATION DREDGING
TREMPEALEAU, COUNTY WISCONSIN
CONSTRUCTION DETAILS

SHEET NO.
2 OF 6

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DREDGING TYPICAL SECTION
NO SCALE



RESTORATION LIMITS
NO SCALE

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Cedar corporation
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 land surveys • landscape architects • interior designers

2820 Nelson Commons West, Suite 402, Madison, WI 53718
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CITY OF INDEPENDENCE
LOWER BUGLE LAKE RESTORATION DREDGING
TREMPEALEAU, COUNTY WISCONSIN
CONSTRUCTION DETAILS

SHEET NO. 3 OF 6

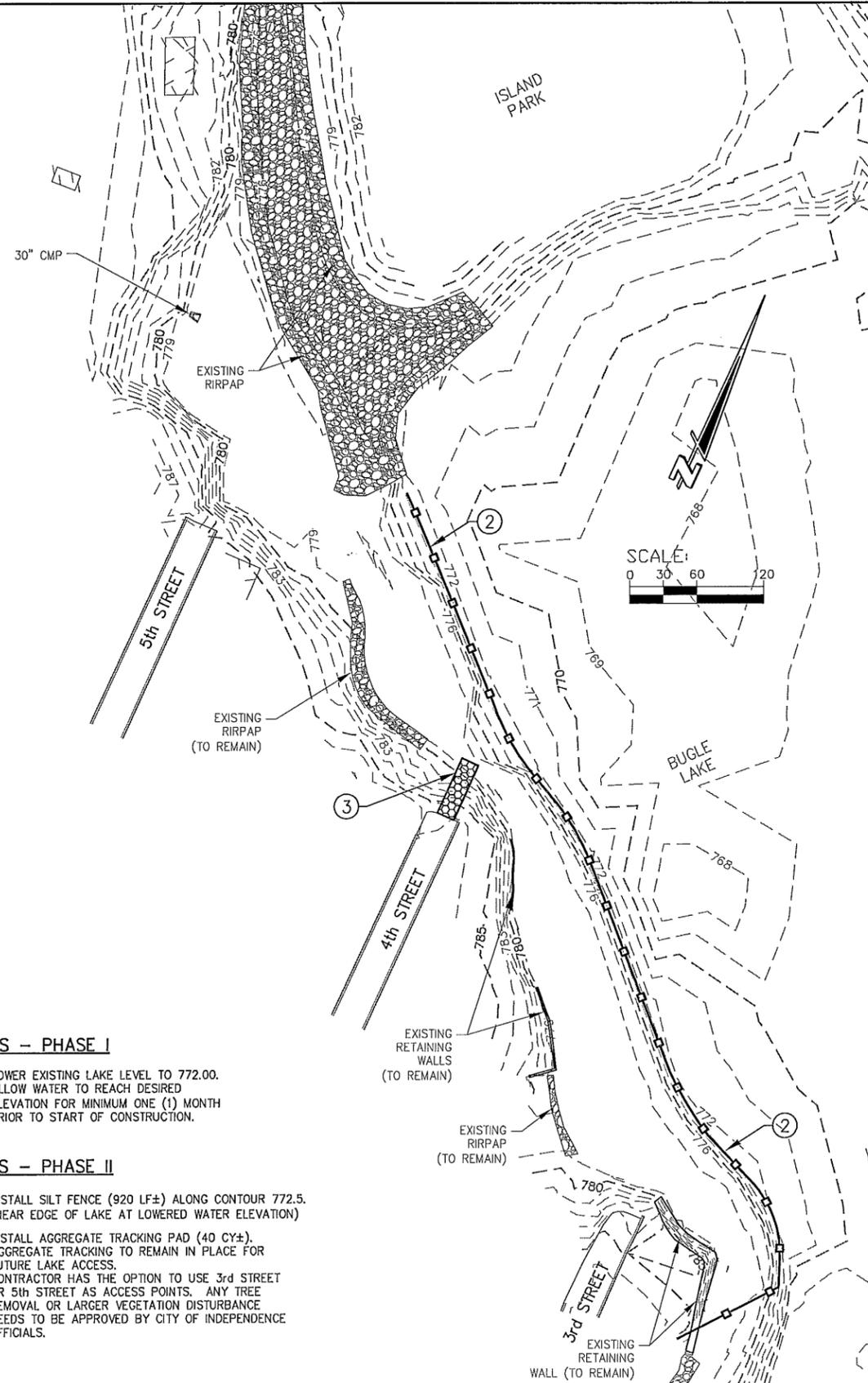
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NOTES - PHASE I

1. LOWER EXISTING LAKE LEVEL TO 772.00. ALLOW WATER TO REACH DESIRED ELEVATION FOR MINIMUM ONE (1) MONTH PRIOR TO START OF CONSTRUCTION.

NOTES - PHASE II

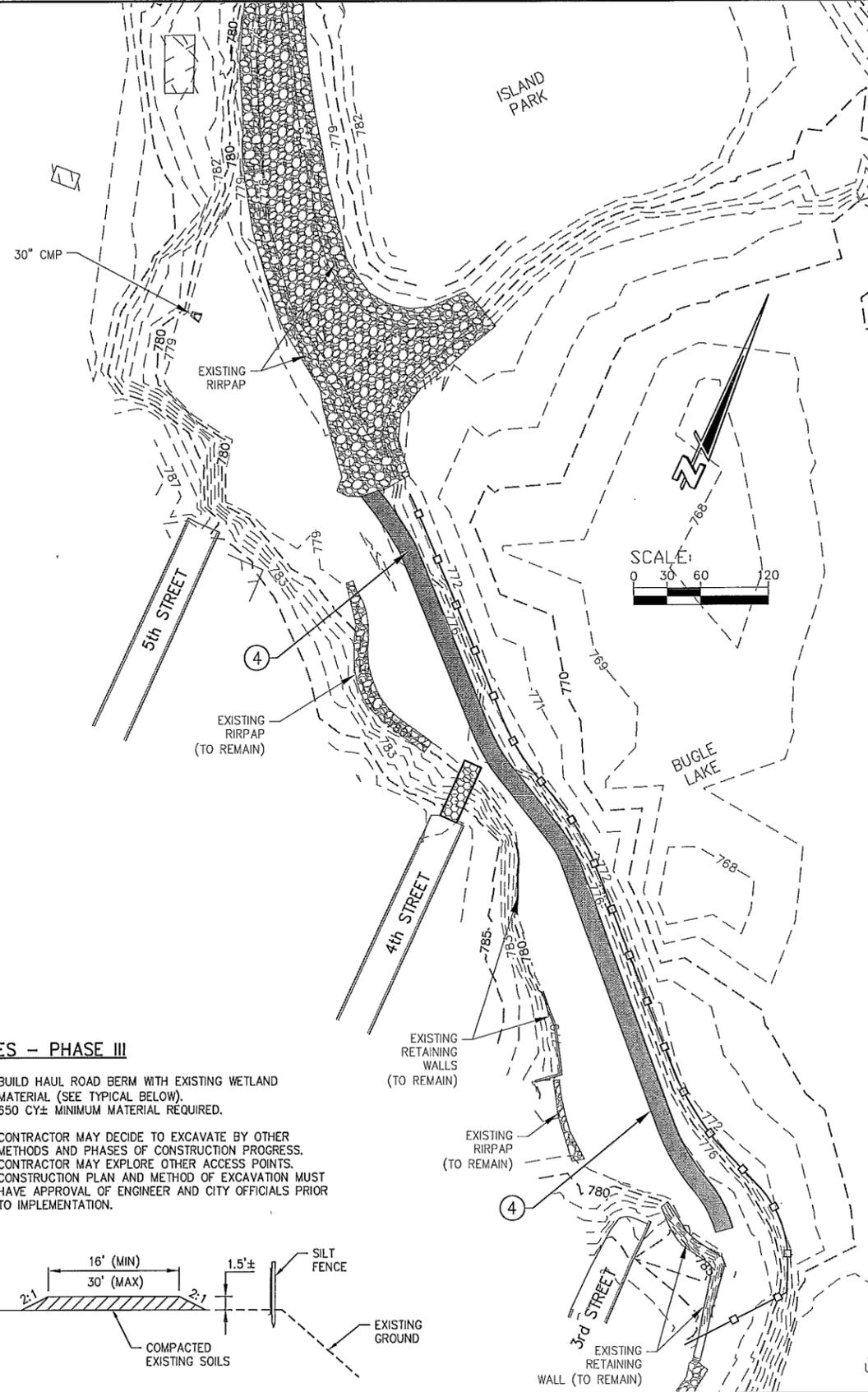
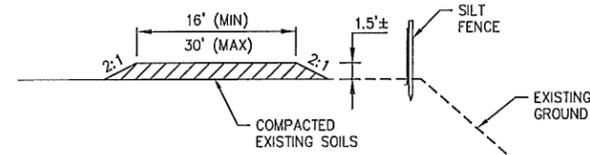
2. INSTALL SILT FENCE (920 LF±) ALONG CONTOUR 772.5 (NEAR EDGE OF LAKE AT LOWERED WATER ELEVATION)
3. INSTALL AGGREGATE TRACKING PAD (40 CY±). AGGREGATE TRACKING TO REMAIN IN PLACE FOR FUTURE LAKE ACCESS. CONTRACTOR HAS THE OPTION TO USE 3rd STREET OR 5th STREET AS ACCESS POINTS. ANY TREE REMOVAL OR LARGER VEGETATION DISTURBANCE NEEDS TO BE APPROVED BY CITY OF INDEPENDENCE OFFICIALS.



NOTES - PHASE III

4. BUILD HAUL ROAD BERM WITH EXISTING WETLAND MATERIAL (SEE TYPICAL BELOW). 650 CY± MINIMUM MATERIAL REQUIRED.

CONTRACTOR MAY DECIDE TO EXCAVATE BY OTHER METHODS AND PHASES OF CONSTRUCTION PROGRESS. CONTRACTOR MAY EXPLORE OTHER ACCESS POINTS. CONSTRUCTION PLAN AND METHOD OF EXCAVATION MUST HAVE APPROVAL OF ENGINEER AND CITY OFFICIALS PRIOR TO IMPLEMENTATION.



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Cedar Corporation
 engineers • architects • planners • environmental specialists
 land surveys • landscape architects • interior designers

2820 Walton Commons West
 Suite 142
 7500 West 38th Street
 606-554-0337
 800-472-7372
 www.cedarcorp.com

1486 Bellevue Street
 Suite 502
 48th Street
 920-481-9881
 920-481-8020
 FAX 920-481-8020

CITY OF INDEPENDENCE
LOWER BUGLE LAKE RESTORATION DREDGING
TREMPEALEAU COUNTY, WISCONSIN
PHASES I, II, III

SHEET NO.	4 OF 6
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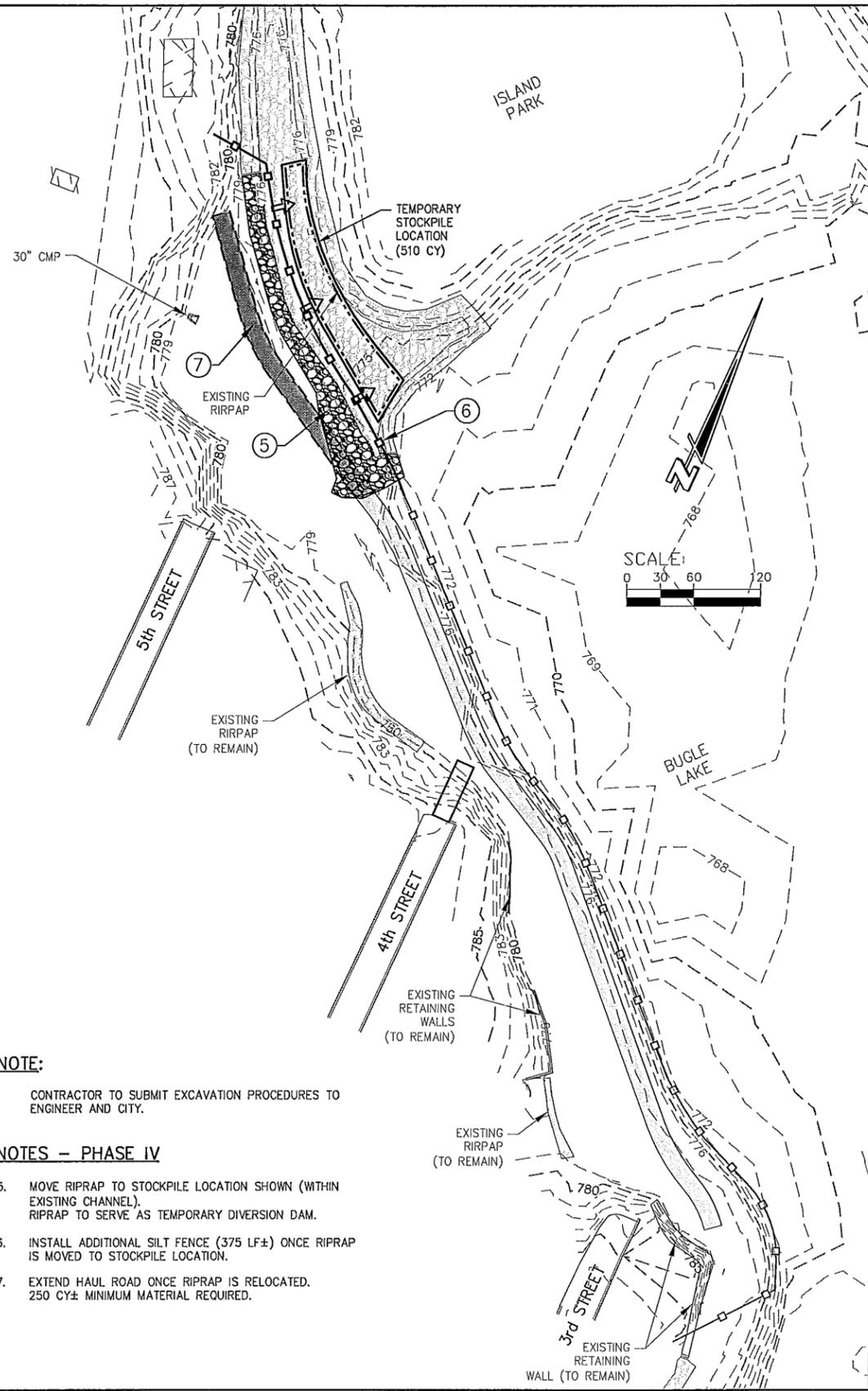
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NOTE:

CONTRACTOR TO SUBMIT EXCAVATION PROCEDURES TO ENGINEER AND CITY.

NOTES - PHASE IV

5. MOVE RIPRAP TO STOCKPILE LOCATION SHOWN (WITHIN EXISTING CHANNEL). RIPRAP TO SERVE AS TEMPORARY DIVERSION DAM.
6. INSTALL ADDITIONAL SILT FENCE (375 LF±) ONCE RIPRAP IS MOVED TO STOCKPILE LOCATION.
7. EXTEND HAUL ROAD ONCE RIPRAP IS RELOCATED. 250 CY± MINIMUM MATERIAL REQUIRED.

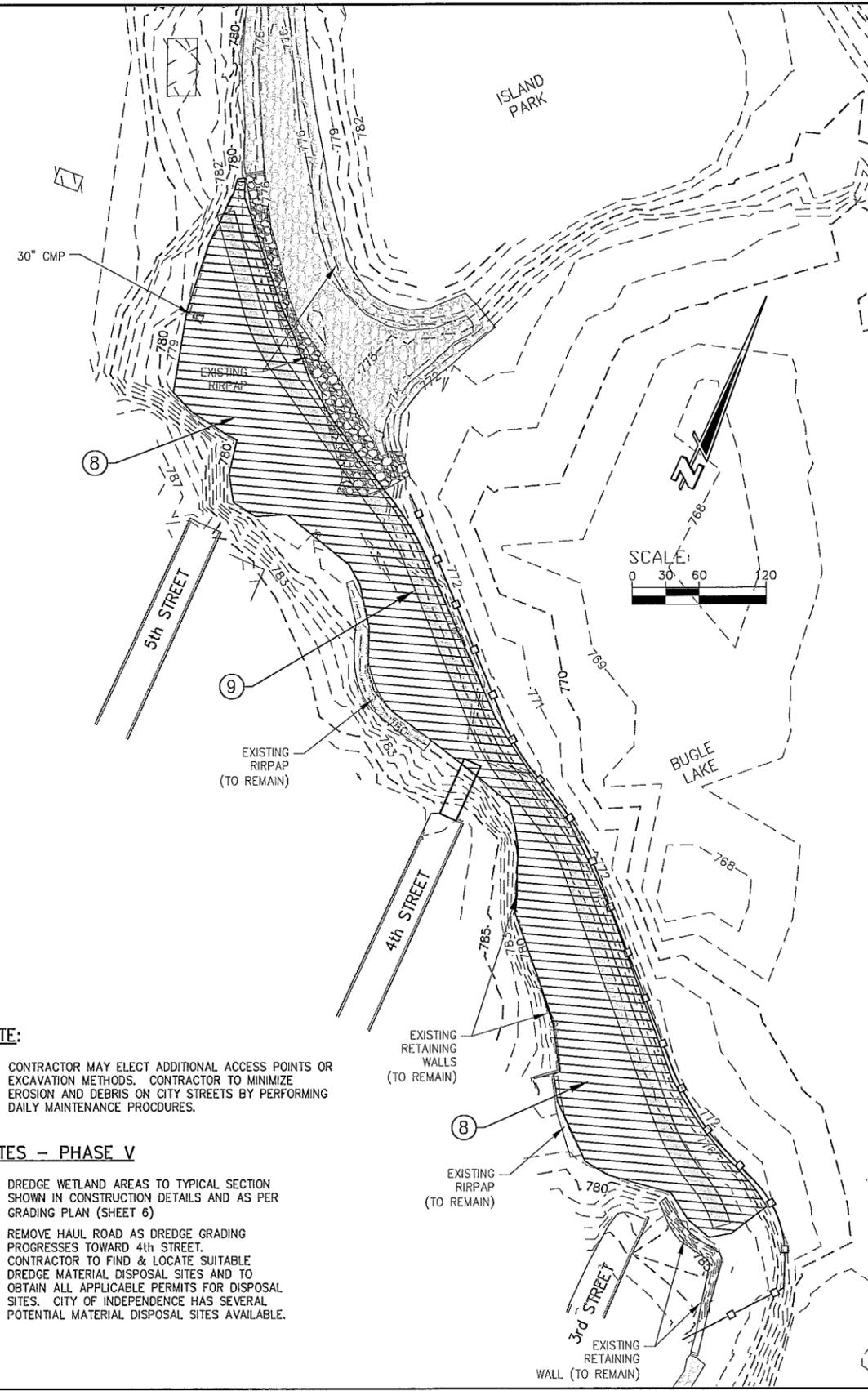


NOTE:

CONTRACTOR MAY ELECT ADDITIONAL ACCESS POINTS OR EXCAVATION METHODS. CONTRACTOR TO MINIMIZE EROSION AND DEBRIS ON CITY STREETS BY PERFORMING DAILY MAINTENANCE PROCEDURES.

NOTES - PHASE V

8. DREDGE WETLAND AREAS TO TYPICAL SECTION SHOWN IN CONSTRUCTION DETAILS AND AS PER GRADING PLAN (SHEET 6)
9. REMOVE HAUL ROAD AS DREDGE GRADING PROGRESSES TOWARD 4th STREET. CONTRACTOR TO FIND & LOCATE SUITABLE DREDGE MATERIAL DISPOSAL SITES AND TO OBTAIN ALL APPLICABLE PERMITS FOR DISPOSAL SITES. CITY OF INDEPENDENCE HAS SEVERAL POTENTIAL MATERIAL DISPOSAL SITES AVAILABLE.



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CITY OF INDEPENDENCE
 LOWER BUGLE LAKE RESTORATION DREDGING
 TREMPEALEAU COUNTY, WISCONSIN
 PHASES IV, V

SHEET NO. 5 of 6

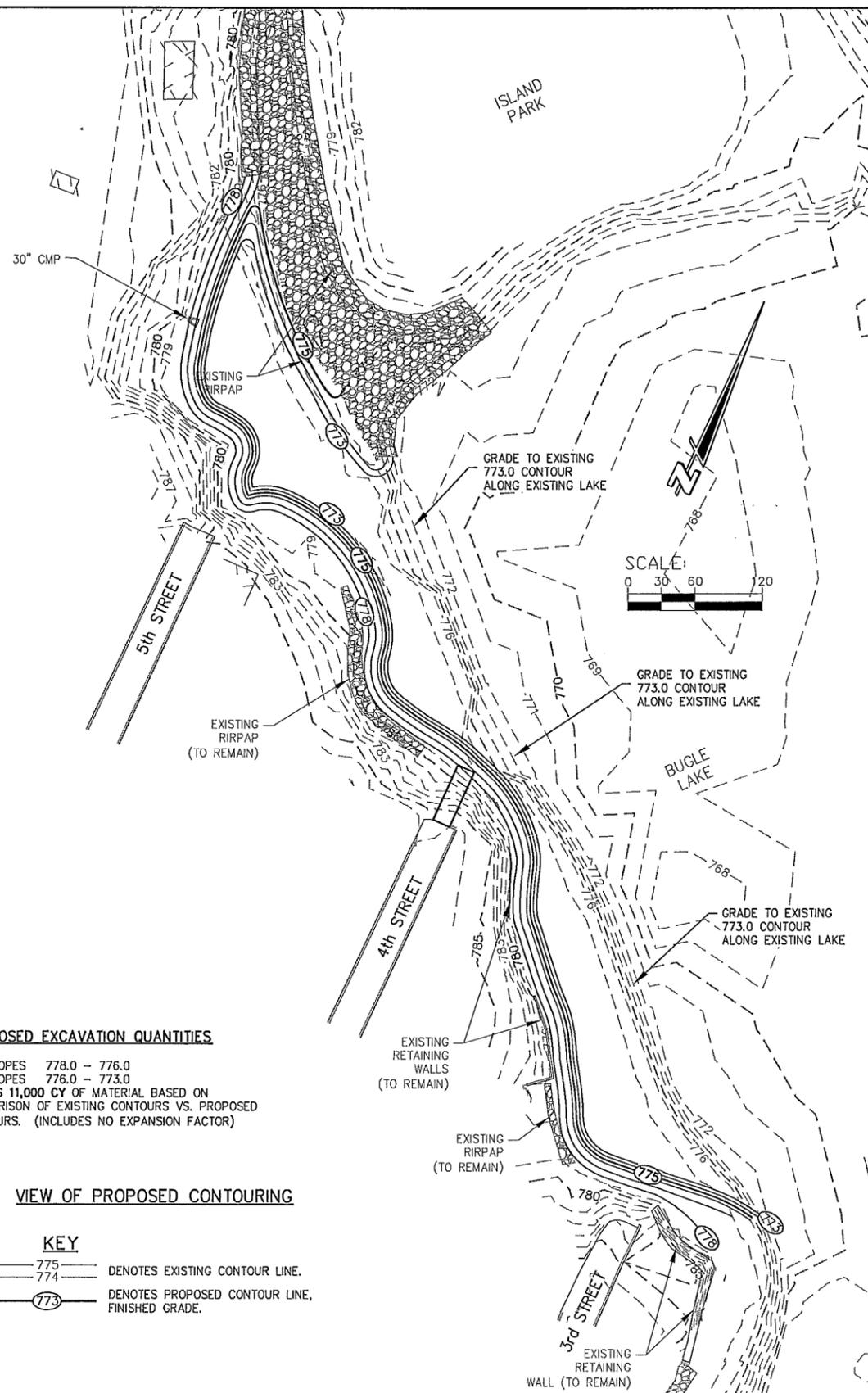
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PROPOSED EXCAVATION QUANTITIES

6:1 SLOPES 778.0 - 776.0
 3:1 SLOPES 776.0 - 773.0
 EQUALS 11,000 CY OF MATERIAL BASED ON
 COMPARISON OF EXISTING CONTOURS VS. PROPOSED
 CONTOURS. (INCLUDES NO EXPANSION FACTOR)

VIEW OF PROPOSED CONTOURING

KEY
 --- 775 --- DENOTES EXISTING CONTOUR LINE.
 --- 774 ---
 --- 773 --- DENOTES PROPOSED CONTOUR LINE,
 FINISHED GRADE.



NOTES:

RELOCATE APPROXIMATELY 510 CY OF EXISTING RIPRAP MATERIAL
 APPROXIMATELY 50 - 100 CY OF NEW RIPRAP WILL BE REQUIRED TO COMPLETE THE PROJECT.

NOTES - PHASE VI

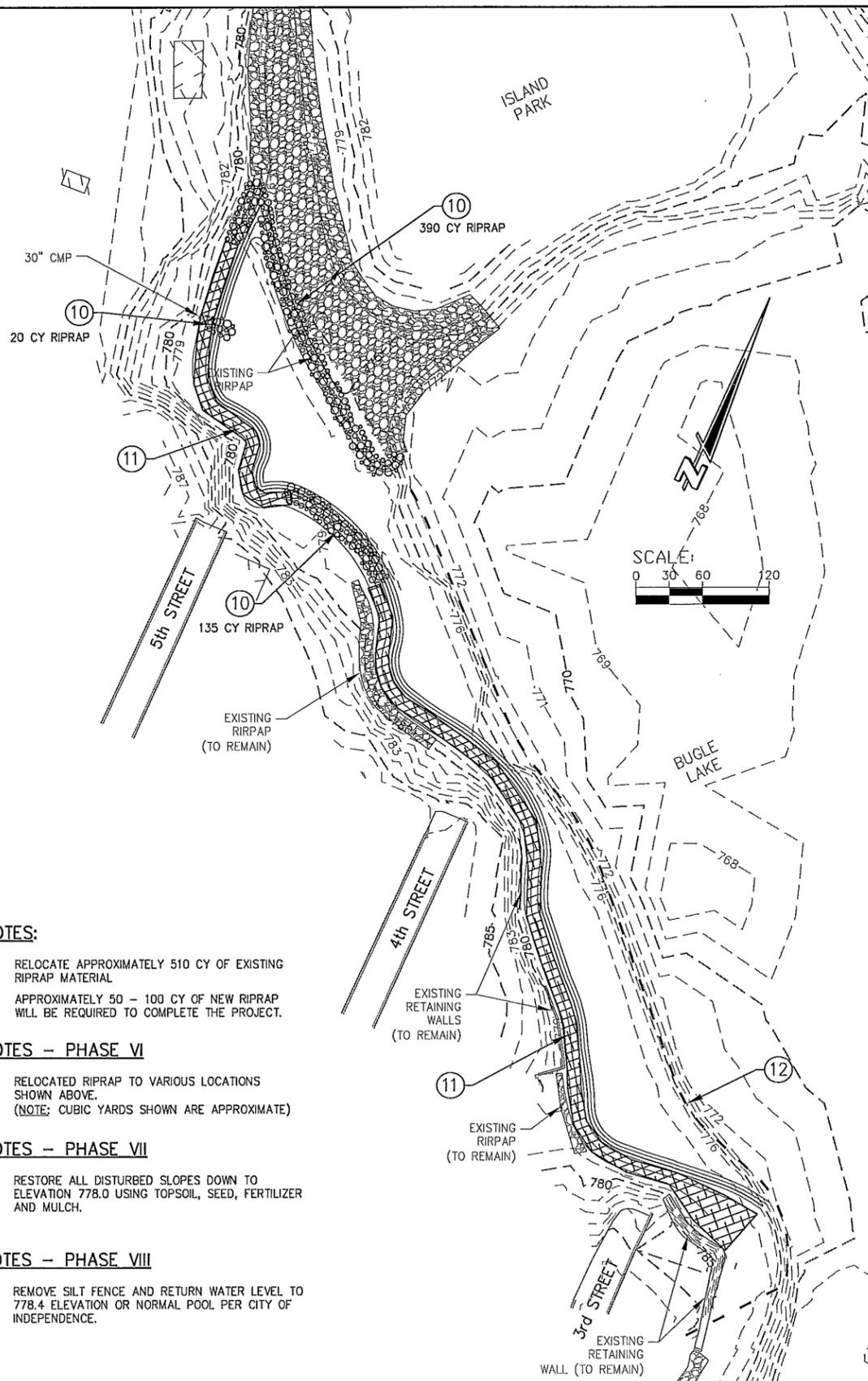
10. RELOCATED RIPRAP TO VARIOUS LOCATIONS SHOWN ABOVE.
 (NOTE: CUBIC YARDS SHOWN ARE APPROXIMATE)

NOTES - PHASE VII

11. RESTORE ALL DISTURBED SLOPES DOWN TO ELEVATION 778.0 USING TOPSOIL, SEED, FERTILIZER AND MULCH.

NOTES - PHASE VIII

12. REMOVE SILT FENCE AND RETURN WATER LEVEL TO 778.4 ELEVATION OR NORMAL POOL PER CITY OF INDEPENDENCE.



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CITY OF INDEPENDENCE
 LOWER BUGLE LAKE RESTORATION DREDGING
 TREMPAULEAU COUNTY, WISCONSIN
 PHASES VI, VII, VIII

SHEET NO.	6 OF 6
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