

STATE OF ILLINOIS

DEPARTMENT OF NATURAL RESOURCES

OFFICE OF WATER RESOURCES

VERMILION RIVER DAM REMOVAL AND CHANNEL RESTORATION

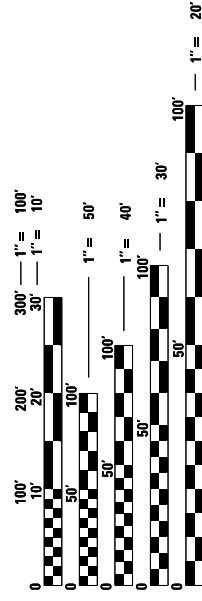
OGLESBY, ILLINOIS
 LASALLE COUNTY
 FR-441
 2021

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STANDARDS

- 000001 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 280001 TEMPORARY EROSION CONTROL SYSTEMS
- 701901 TRAFFIC CONTROL DEVICES

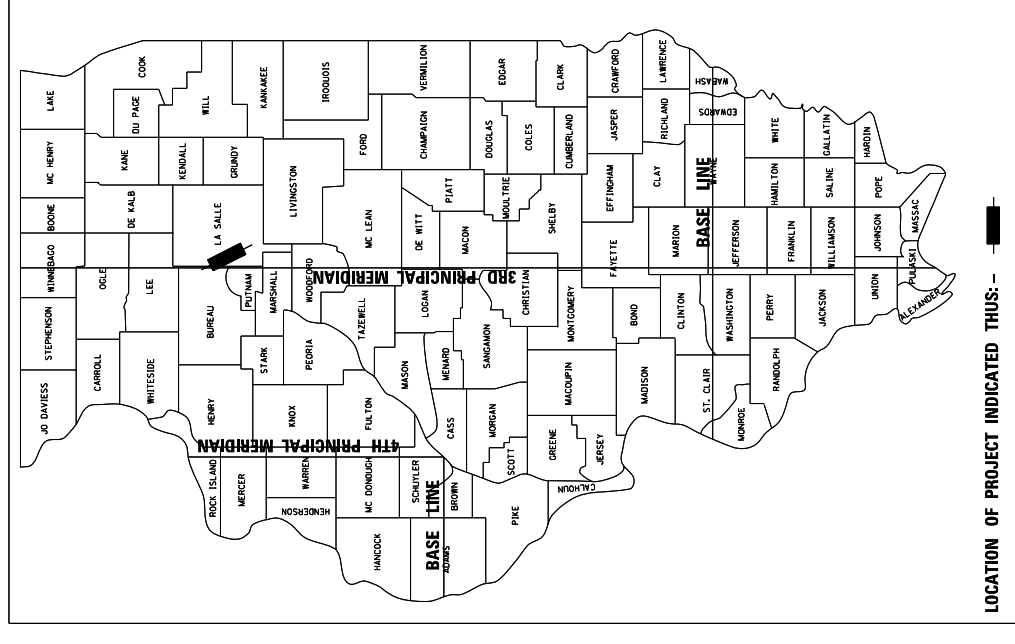
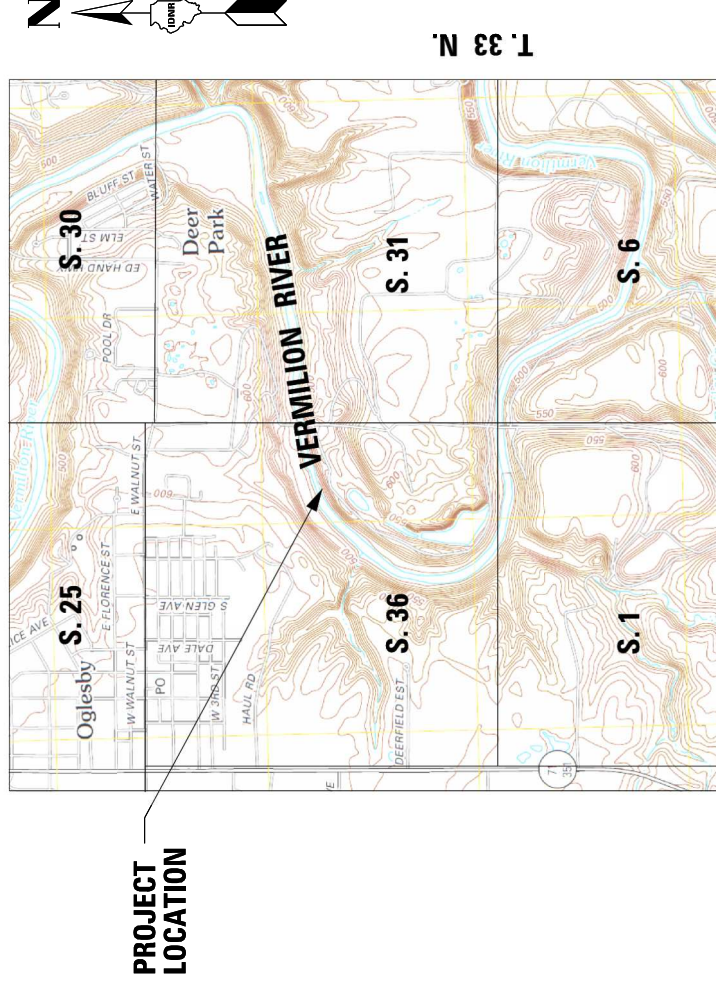


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.



8/6/2021

ILLINOIS REGISTERED PROFESSIONAL ENGINEER NO. 062-065558
 LICENSE EXPIRES 11-30-21



LOCATION MAP



Michael Baker
 INTERNATIONAL

SUBMITTED BY:

DATE: 8/6/2021
 MANAGER, DIVISION OF CAPITAL PROGRAMS

APPROVED BY:

DATE: 8/6/2021
 DIRECTOR, OFFICE OF WATER RESOURCES

SUMMARY OF QUANTITIES			
CODE NO.	PAY ITEM DESCRIPTION	UNIT	QUANTITY
20100500	TREE REMOVAL, ACRES	ACRE	0.70
20101100	TREE TRUNK PROTECTION	EACH	20
20200100	EARTH EXCAVATION	CU YD	107
20200200	ROCK EXCAVATION	CU YD	345
20700220	POROUS GRANULAR EMBANKMENT	CU YD	2967
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	3727
28000400	PERIMETER EROSION BARRIER	FOOT	1418
67000500	ENGINEERS FIELD OFFICE, TYPE B	CAL MO	5
67100100	MOBILIZATION	LS	1
•NR105001	CONSTRUCTION STAKING	LS	1
•NR200004	SITE RESTORATION	LS	1
•NR201005	SELECTIVE CLEARING	ACRE	0.77
•NR250000	SEEDING AND FERTILIZING	ACRE	0.77
•NR251001	EROSION CONTROL BLANKET (SPECIAL)	SQ YD	3727
•NR280005	FLOATING SILT CURTAIN, TYPE 3	LS	1
•NR281000	CAUSEWAY	LS	1
•NR281001	AGGREGATE FOR TEMPORARY ACCESS (HAULING ROAD)	LS	1
•NR281003	CONTROL OF WATER	LS	1
•NR402000	STABILIZED CONSTRUCTION ACCESS, STAGING AREAS, AND DISPOSAL	LS	1
•NR501000	CONCRETE BLOCK REMOVAL AND DISPOSAL	EACH	162
•NR501001	CONCRETE DAM REMOVAL AND DISPOSAL	CU YD	440
•NR513000	TIMBER MATTING	LS	1
•NR720001	WOOD INFORMATION AND DAM WARNING SIGNS	LS	1

SUGGESTED CONSTRUCTION SEQUENCE

- INSTALLATION OF SOIL EROSION AND SEDIMENT CONTROL (SECC) MEASURES.
- SELECTIVE TREE/VEGETATION REMOVAL WHERE NECESSARY (CLEAR & GRUB).
- PROTECT ACCESS RD CULVERT NEAR EASTERN ENTRANCE
- RESHAPE/REHABILITATE GRAVEL HAULING ROAD.
- CONSTRUCT ACCESS ROAD.
- MOBILIZE EQUIPMENT TO STAGING AREA.
- INSTALL TIMBER MATS ON WETLAND AREA. THEN BUILD RIP-RAP CAUSEWAY.
- REMOVE DAM, CONCRETE BLOCKS, AND RIP-RAP FROM NORTH BANK TO SOUTH BANK.
- RESTORE AND STABILIZE ALL DISTURBED AREAS.
- REMOVE ALL TEMPORARY SECC MEASURES AFTER THIS SITE IS STABILIZED WITH VEGETATION.

USER NAME = JustinChambers	DESIGNED TP	REVISED -
PLOT SCALE = 1/800' / 1"	DRAWN LH	REVISED -
PLOT DATE = 8/6/2021	CHECKED JK	REVISED -
	DATE 08/05/2021	REVISED -



VERMILION RIVER DAM REMOVAL AND CHANNEL RESTORATION LASALLE COUNTY

STATE OF ILLINOIS DEPARTMENT OF NATURAL RESOURCES OFFICE OF WATER RESOURCES

SUMMARY OF QUANTITIES AND GENERAL NOTES
SCALE: N/A
SHEET NO. 2 OF 12 SHEETS

SPECIFICATIONS, STANDARDS, AND SPECIAL PROVISIONS

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF IDOT "STANDARDS AND SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS."
- ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST IDOT STANDARD. ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

CONTACT REFERENCE TABLE

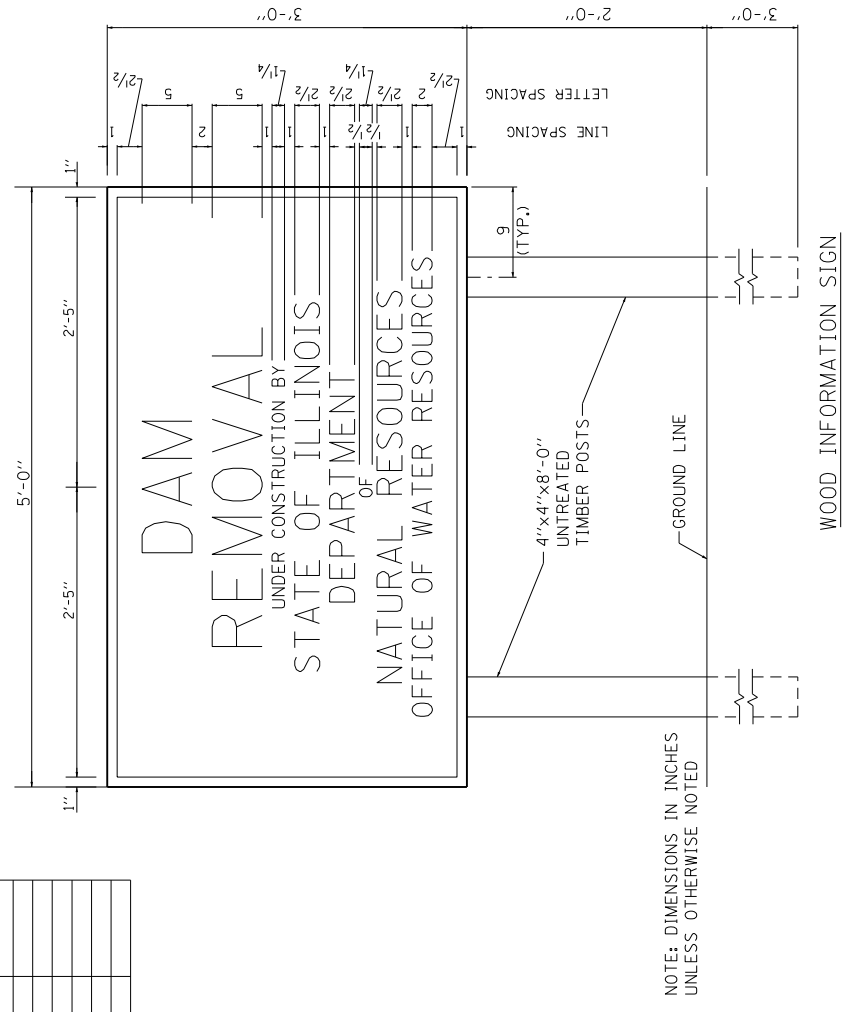
J.U.L.I.E	CALL 48 HOURS PRIOR TO CONSTRUCTION	(800) 892-0123
ELECTRICITY	MARK MARINIC - CITY OF OGLESBY 110 EAST WALNUT STREET, OGLESBY ILLINOIS 61348	(815) 883-9858
WATER/SEWER	TEST, INC., LANCE GREATHOUSE - WATER & SEWER 110 EAST WALNUT STREET, OGLESBY ILLINOIS 61348	(815) 883-3639
ELECTRICITY	AMEREN 120 S JOHN MITCHELL AVE, SPRING VALLE, IL 61362	(800) 755-5000
TELEPHONE	COMCAST DAN NUGENT	(800) 316-1619
LONE STAR	100 BRODHEAD ROAD, SUITE 230	(610) 882-5000
STATE PARK	BETHLEHEM, PA 18017 ALVIN D. HARPER - SITE SUPERINTENDENT STARVED ROCK STATE PARK/MATTHIESSEN STATE PARK PO BOX 509 ROUTE 178 UTICA, IL 61373	(815) 667-5355

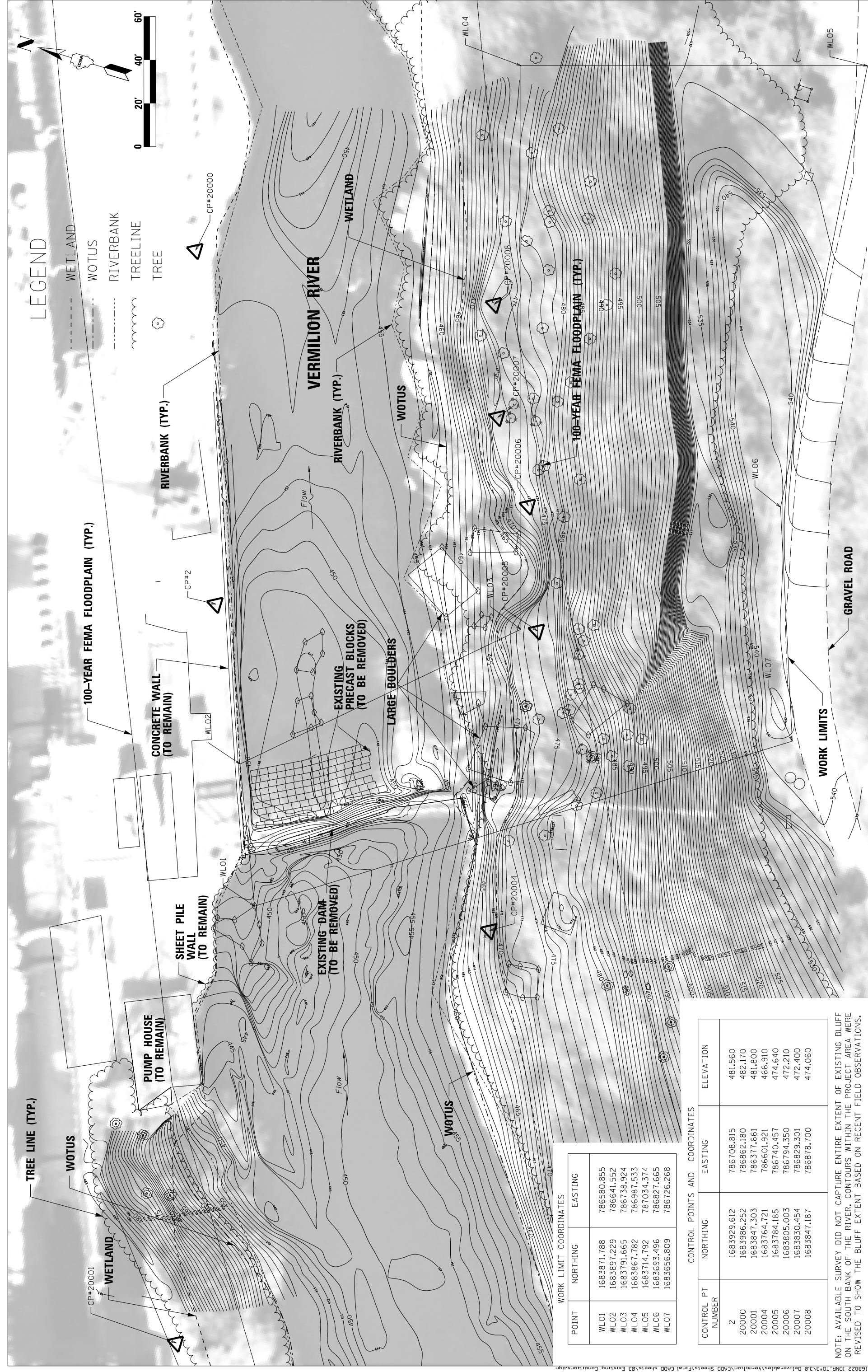
GENERAL NOTES

- THE CONTRACTOR SHALL CALL J.U.L.I.E. (800-892-0123) FOR THE LOCATION OF EXISTING UTILITIES 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
- ALL CONSTRUCTION OPERATIONS SHALL BE CONTAINED WITHIN THE PROJECT AREA AS INDICATED ON THE PLANS AND AS DIRECTED AND APPROVED BY THE ENGINEER. IT SHALL BE THE FULL RESPONSIBILITY OF THE CONTRACTOR TO SECURE ALL RIGHTS OF INGRESS AND EGRESS TO SAID RIGHT-OF-WAY INCLUDING THE SATISFACTORY PROTECTION AND RESTORATION OF ANY PRIVATE OR PUBLIC PROPERTY, INCLUDING ACCESS ROADS AS REQUIRED IN ARTICLE 107.20 AND 107.23 OF THE STANDARD SPECIFICATIONS.
- ALL COORDINATES SHOWN ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (NAD83) U.S. FEET. ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) IN U.S. FEET.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE BUZZI UNICEM AND STATE PARK, THROUGH THE ENGINEER.
- EXISTING UTILITIES ARE SHOWN ON THE PLANS ACCORDING TO INFORMATION OBTAINED FROM UTILITY COMPANIES, MUNICIPALITIES, AND SURVEYS. IN ACCORDANCE WITH ARTICLES 105.07, 107.37, 107.39, AND 107.40 OF THE IDOT STANDARD SPECIFICATIONS, THE CONTRACTOR SHALL BE FAMILIARIZED WITH THE LOCATION OF ALL UTILITIES AND STRUCTURES THAT MAY BE FOUND IN THE VICINITY OF THE CONSTRUCTION. THE CONTRACTOR WILL ALSO ASSUME RESPONSIBILITY FOR ALL UTILITIES WHETHER SHOWN OR NOT, AND MUST REALIZE THAT THE ACTUAL LOCATIONS AND/OR ELEVATIONS OF THE UTILITIES MAY BE DIFFERENT THAN INDICATED.
- MECHANIZED SELECTIVE CLEARING OF VEGETATION IN THE WORK AREA SHALL BE CONDUCTED NO MORE THAN SEVEN (7) CALENDAR DAYS PRECEDING CONSTRUCTION OF THE ACCESS ROAD ON THE SOUTH BANK OF THE RIVER.
- THE CONTRACTOR SHALL FURNISH, ERECT, AND WHEN DIRECTED BY THE ENGINEER, COMPLETELY REMOVE TWO WOOD INFORMATION SIGNS. THE LOCATION OF THE SIGNS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. IN ADDITION, THE CONTRACTOR SHALL REMOVE THREE EXISTING WARNING SIGNS LOCATED ALONG THE RIVER AND OVERHUNG BY A CABLE TIED TO A POST ON THE CONCRETE WALL AFTER ALL WORK IN THE RIVER IS COMPLETED.
- ALL LATERAL DRAINAGE THAT EXISTS PRIOR TO CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION OR AS DIRECTED BY THE ENGINEER, UNLESS OTHERWISE SPECIFIED. ALL COSTS OF RESTORATION SHALL BE CONSIDERED INCLUDED IN THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING STRUCTURES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE OF ADDITIONAL COMPENSATION OR TIME EXTENSION FOR A CHANGE IN THE SCOPE OF WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
- PAYMENT FOR EXCESS EXCAVATION AND UNSUITABLE MATERIALS SHALL BE APPROVED BY THE ENGINEER. THESE MATERIALS SHALL BE DISPOSED OFFSITE AFTER BEING INSPECTED AND APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL TAKE CARE WHILE EXCAVATING NEAR EXISTING STRUCTURES. ANY DAMAGES CAUSED BY THE CONSTRUCTION ACTIVITY SHALL BE CORRECTED AT THE EXPENSE OF THE CONTRACTOR. ALL BRACING, SHORING, EARTH RETENTION, AND SUPPORT OF UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND IS TO BE CONDUCTED AT THE CONTRACTOR'S EXPENSE.
- NO BURNING OR INCINERATION OF RUBBISH, CONSTRUCTION MATERIALS OR DEBRIS WILL BE PERMITTED ON SITE. SELECTIVE HERBICIDE APPLICATION SHALL BE APPROVED IN ADVANCE BY THE ENGINEER.
- ALL AREAS DISTURBED DURING THE CONSTRUCTION ACTIVITIES SHALL BE SEEDED AND PROTECTED FROM EROSION IN ACCORDANCE WITH THESE PLANS AND SPECIAL PROVISIONS.
- TREE REMOVAL SHALL NOT BE PERFORMED BETWEEN APRIL 1 AND NOVEMBER 15.

SIGN NOTES

- SIGNS SHALL BE MADE OF 3/4" PLYWOOD OR OXBOARD, OR OF METAL (18 GA.). THE CONTRACTOR SHALL FURNISH ALL MATERIAL AND LABOR FOR CONSTRUCTING AND ERECTING THE SIGNS. THE SIGNS SHALL BE PLACED PRIOR TO THE STARTING OF ACTUAL CONSTRUCTION OPERATIONS AT EACH END OF THE CONSTRUCTION SECTION OR AS DIRECTED BY THE ENGINEER. BEFORE ANY SIGN IS ERECTED, IT SHALL BE APPROVED BY THE ENGINEER AS TO ITS APPEARANCE AND QUALITY OF CONSTRUCTION. THE SIGNS SHALL REMAIN IN PLACE AND SHALL BE MAINTAINED IN SATISFACTORY CONDITION UNTIL THE PROJECT IS ACCEPTED BY THE DEPARTMENT. THE CONTRACTOR SHALL THEN REMOVE THE SIGNS AND THE MATERIAL WILL BECOME THE PROPERTY OF THE CONTRACTOR.
- THE LETTERS ON THE SIGN SHALL BE BLACK MECHANICAL STYLE ON A WHITE BACKGROUND AND APPROPRIATE BORDER LINES.
- PAID FOR AS WOOD INFORMATION AND DAM WARNING SIGNS.





LEGEND

- WETLAND
- WOTUS
- RIVERBANK
- TREELINE
- TREE

100-YEAR FEMA FLOODPLAIN (TYP.)

CONCRETE WALL (TO REMAIN)

SHEET PILE WALL (TO REMAIN)

PUMP HOUSE (TO REMAIN)

EXISTING DAM (TO BE REMOVED)

EXISTING PRECAST BLOCKS (TO BE REMOVED)

LARGE BOULDERS

WOTUS

VERMILION RIVER

WETLAND

RIVERBANK (TYP.)

RIVERBANK (TYP.)

EXISTING DAM (TO BE REMOVED)

WOTUS

WORK LIMIT COORDINATES

POINT	NORTHING	EASTING
WL01	1683871.788	786580.855
WL02	1683897.229	786641.552
WL03	1683791.665	786738.924
WL04	1683867.782	786987.533
WL05	1683714.792	787034.374
WL06	1683693.496	786827.665
WL07	1683656.809	786726.268

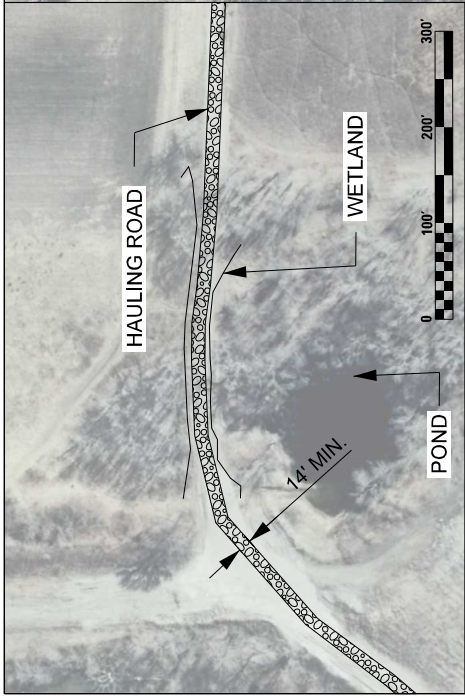
CONTROL POINTS AND COORDINATES

CONTROL PT NUMBER	NORTHING	EASTING	ELEVATION
2	1683929.612	786708.815	481.560
20000	1683986.252	786862.180	482.170
20001	1683847.303	786377.661	481.800
20004	1683764.721	786601.921	466.910
20005	1683784.185	786740.457	474.640
20006	1683805.003	786794.350	472.210
20007	1683830.454	786829.301	472.400
20008	1683847.187	786878.700	474.060

NOTE: AVAILABLE SURVEY DID NOT CAPTURE ENTIRE EXTENT OF EXISTING BLUFF ON THE SOUTH BANK OF THE RIVER. CONTOURS WITHIN THE PROJECT AREA WERE REVISED TO SHOW THE BLUFF EXTENT BASED ON RECENT FIELD OBSERVATIONS.

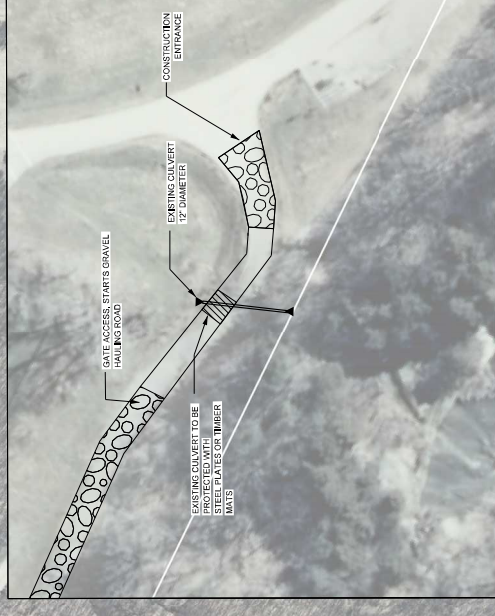
Michael Baker INTERNATIONAL	VERMILION RIVER DAM REMOVAL AND CHANNEL RESTORATION LASALLE COUNTY	STATE OF ILLINOIS DEPARTMENT OF NATURAL RESOURCES OFFICE OF WATER RESOURCES	EXISTING CONDITIONS
USER NAME = Justin.Chambers	DESIGNED TP		
PLOT SCALE = 20,000' / 1"	DRAWN LH		
PLOT DATE = 8/6/2021	CHECKED JK		
	DATE 08/05/2021		
	REVISION		
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SCALE: 1"=20' SHEET NO. 3 OF 12 SHEETS



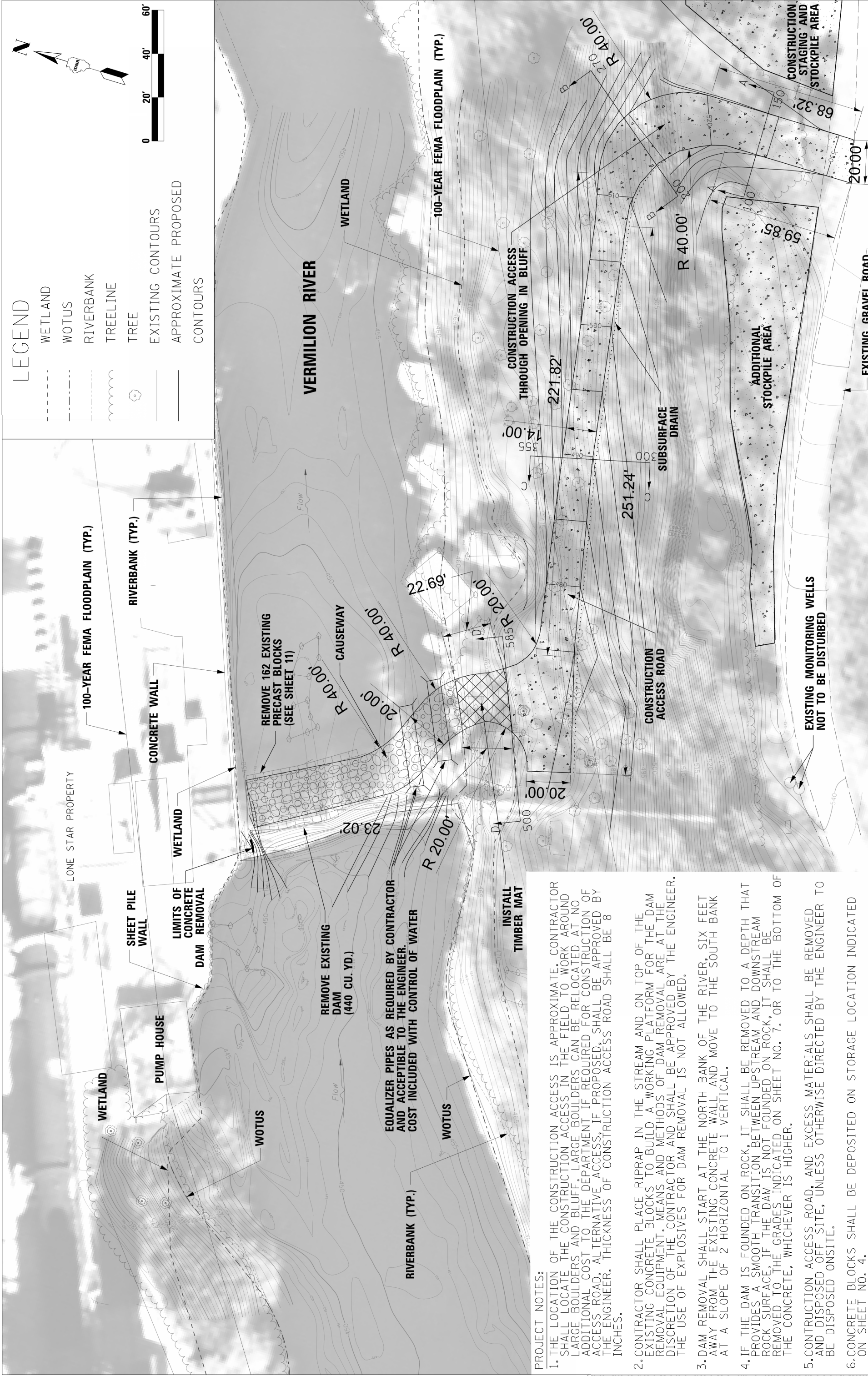
PROJECT NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR RESHAPING AND/OR REHABILITATING THE GRAVEL HAULING ROAD PRIOR AND DURING CONSTRUCTION BY SPOT GRAVELING OR RE-GRAVELING THE ENTIRE SECTION, AS NEEDED.
2. CONTRACTOR SHALL REPAIR ANY DAMAGE AT NO COST TO THE DEPARTMENT, CAUSED TO THE PAVED ROAD BETWEEN ROUTE 178 AND THE ENTRANCE TO THE GRAVEL HAULING ROAD, AFTER REMOVAL OF THE DAM AND HAULING OPERATIONS ARE COMPLETE.
3. DIRECT RUNOFF FROM THE GRAVEL HAULING ROAD TO A STABILIZED AREA (VEGETATED AREA, SEDIMENT BASIN, OR RIP RAP LINED DITCH) AT THE LOW AREAS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
4. THE GRAVEL HAULING ROAD SHALL BE A BASE GRAVEL SURFACE CAPABLE OF SUPPORTING AT LEAST 80,000 POUNDS.
5. THE GRAVEL HAULING ROAD MINIMUM WIDTH SHALL BE 14 FEET. USE TYPE B AGGREGATE COURSE PER IDOT STANDARD SPECIFICATIONS 402.
6. CONTRACTOR SHALL STAY ON THE GRAVEL HAULING ROAD. ANY DAMAGE THAT OCCURS OFF OF THE GRAVEL HAULING ROAD DUE TO FAILURE TO COMPLY SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE (NO ADDITIONAL COST TO THE DEPARTMENT).



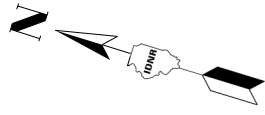
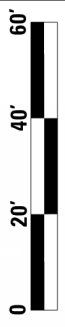
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	DATE 08/05/2021	-

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LEGEND

- WETLAND
- WOTUS
- RIVERBANK
- TREE LINE
- TREE
- EXISTING CONTOURS
- APPROXIMATE PROPOSED CONTOURS



PROJECT NOTES:

1. THE LOCATION OF THE CONSTRUCTION ACCESS IS APPROXIMATE. CONTRACTOR SHALL LOCATE THE CONSTRUCTION ACCESS IN THE FIELD TO WORK AROUND LARGE BOULDERS AND BLUFF. LARGE BOULDERS CAN BE RELOCATED AT NO ADDITIONAL COST TO THE DEPARTMENT IF REQUIRED FOR CONSTRUCTION OF ACCESS ROAD. ALTERNATIVE ACCESS, IF PROPOSED, SHALL BE APPROVED BY THE ENGINEER. THICKNESS OF CONSTRUCTION ACCESS ROAD SHALL BE 8 INCHES.
2. CONTRACTOR SHALL PLACE RIPRAP IN THE STREAM AND ON TOP OF THE EXISTING CONCRETE BLOCKS TO BUILD A WORKING PLATFORM FOR THE DAM REMOVAL EQUIPMENT. MEANS AND METHODS OF DAM REMOVAL ARE AT THE DISCRETION OF THE CONTRACTOR AND SHALL BE APPROVED BY THE ENGINEER. THE USE OF EXPLOSIVES FOR DAM REMOVAL IS NOT ALLOWED.
3. DAM REMOVAL SHALL START AT THE NORTH BANK OF THE RIVER, SIX FEET AWAY FROM THE EXISTING CONCRETE WALL AND MOVE TO THE SOUTH BANK AT A SLOPE OF 2 HORIZONTAL TO 1 VERTICAL.
4. IF THE DAM IS FOUNDED ON ROCK, IT SHALL BE REMOVED TO A DEPTH THAT PROVIDES A SMOOTH TRANSITION BETWEEN UPSTREAM AND DOWNSTREAM ROCK SURFACE. IF THE DAM IS NOT FOUNDED ON ROCK, IT SHALL BE REMOVED TO THE GRADES INDICATED ON SHEET NO. 7. OR TO THE BOTTOM OF THE CONCRETE, WHICHEVER IS HIGHER.
5. CONSTRUCTION ACCESS ROAD, AND EXCESS MATERIALS SHALL BE REMOVED AND DISPOSED OFF SITE, UNLESS OTHERWISE DIRECTED BY THE ENGINEER TO BE DISPOSED ONSITE.
6. CONCRETE BLOCKS SHALL BE DEPOSITED ON STORAGE LOCATION INDICATED ON SHEET NO. 4.

Michael Baker INTERNATIONAL	USER NAME = Justin.Chambers	DESIGNED TP	REVISION
	PLOT SCALE = 20,000' / 1"	DRAWN LH	REVISION
	PLOT DATE = 8/6/2021	CHECKED JK	REVISION
		DATE 08/05/2021	REVISION

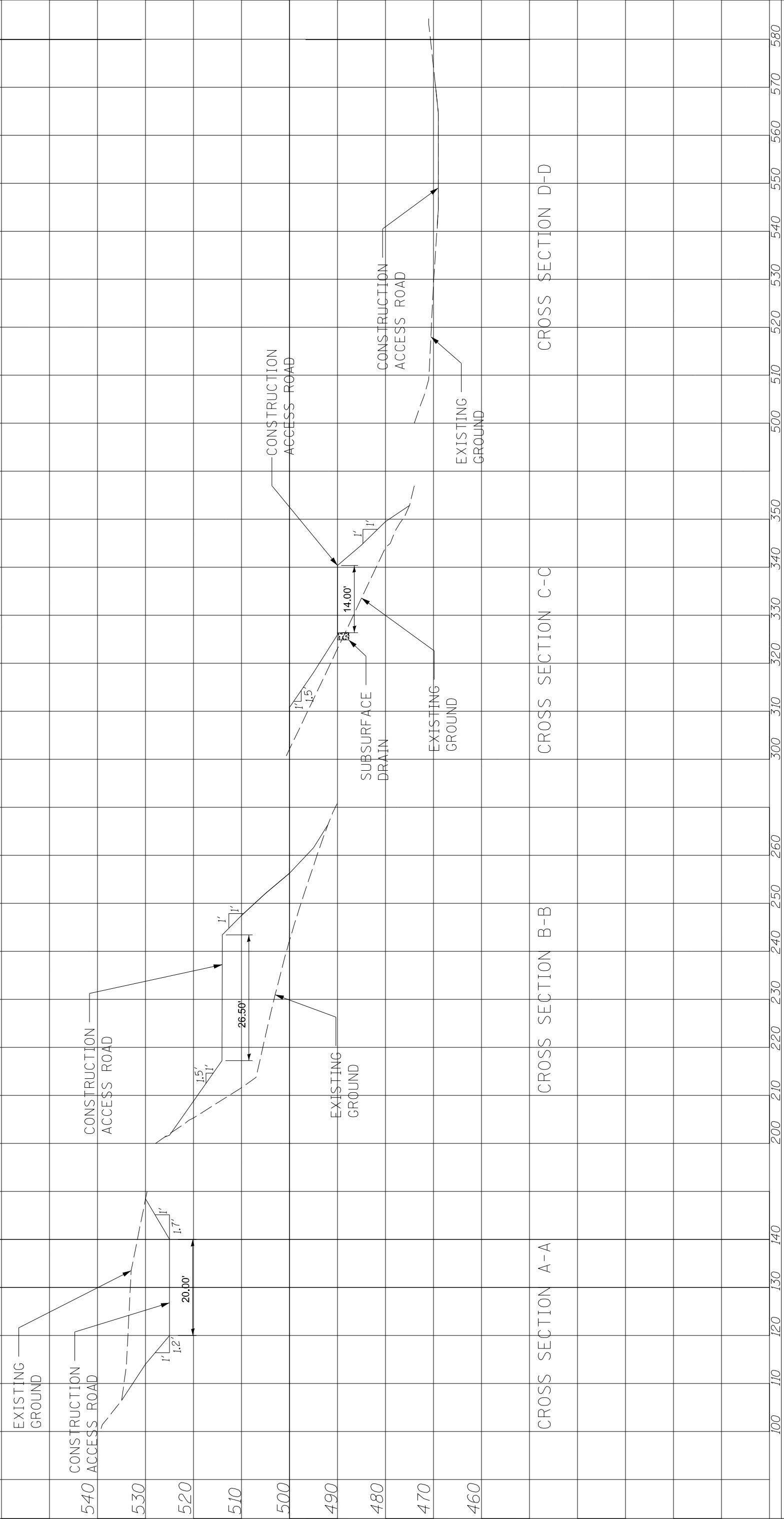
VERMILION RIVER DAM REMOVAL AND CHANNEL RESTORATION LASALLE COUNTY

STATE OF ILLINOIS DEPARTMENT OF NATURAL RESOURCES OFFICE OF WATER RESOURCES

SITE PLAN SCALE: 1"=20' SHEET NO. 5 OF 12 SHEETS

PL AN	SURVEYED	DATE
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	GRADES CHECKED	
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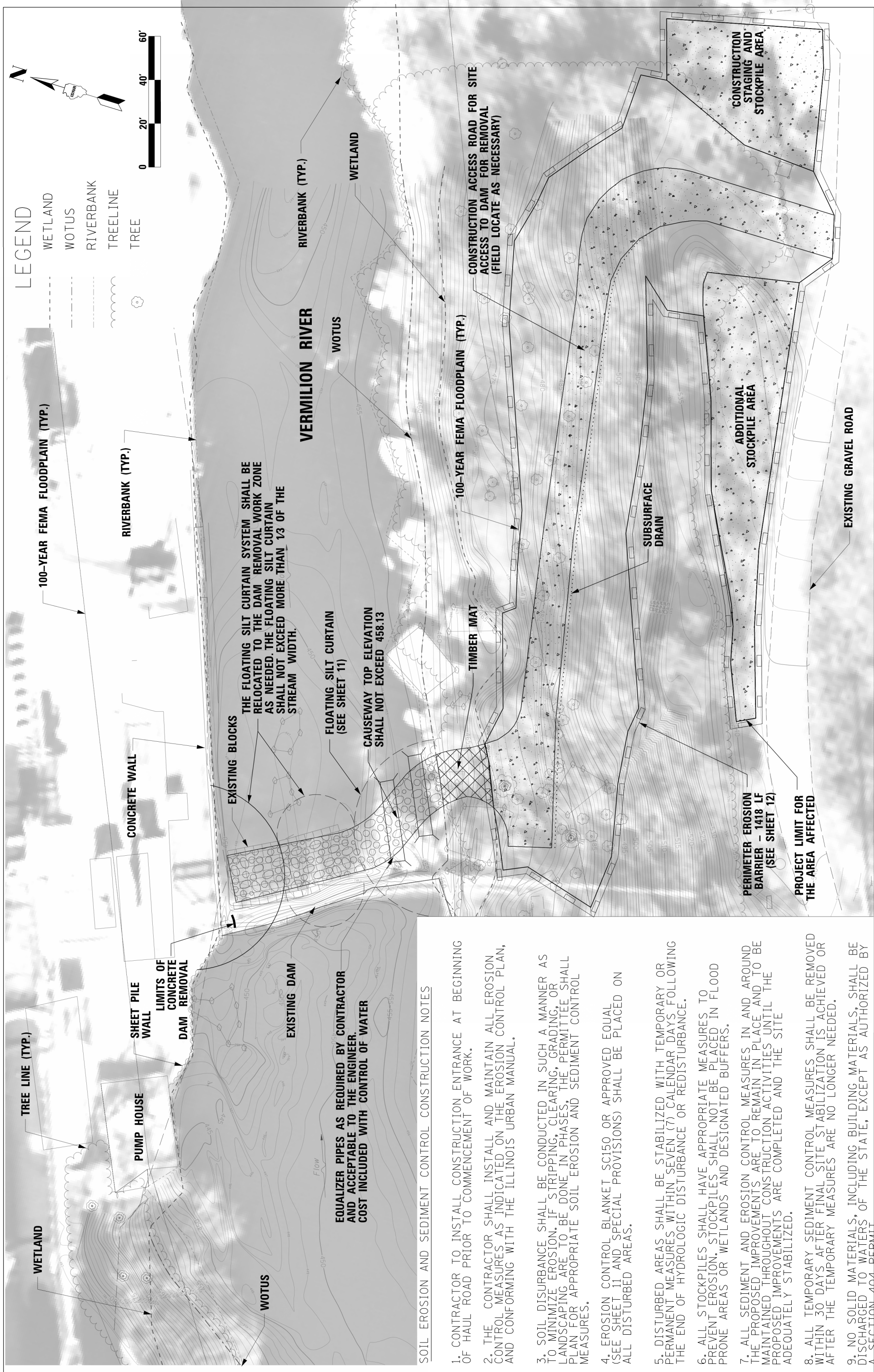
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	BLK. NOTED	
	NO.	



USER NAME = JustinChambers	DESIGNED TP	REVISED -
	DRAWN LH	REVISED -
	CHECKED JK	REVISED -
	DATE 08/05/2021	REVISED -
PLOT SCALE = 20.000' / 1"		
PLOT DATE = 8/6/2021		

**VERMILION RIVER DAM REMOVAL
AND CHANNEL RESTORATION
LASALLE COUNTY**

**STATE OF ILLINOIS
DEPARTMENT OF NATURAL RESOURCES
OFFICE OF WATER RESOURCES**



EQUALIZER PIPES AS REQUIRED BY CONTRACTOR AND ACCEPTABLE TO THE ENGINEER. COST INCLUDED WITH CONTROL OF WATER

SOIL EROSION AND SEDIMENT CONTROL CONSTRUCTION NOTES

1. CONTRACTOR TO INSTALL CONSTRUCTION ENTRANCE AT BEGINNING OF HAUL ROAD PRIOR TO COMMENCEMENT OF WORK.
2. THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL EROSION CONTROL MEASURES AS INDICATED ON THE EROSION CONTROL PLAN, AND CONFORMING WITH THE ILLINOIS URBAN MANUAL.
3. SOIL DISURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
4. EROSION CONTROL BLANKET SC150 OR APPROVED EQUAL (SEE SHEET 11 AND SPECIAL PROVISIONS) SHALL BE PLACED ON ALL DISTURBED AREAS.
5. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE END OF HYDROLOGIC DISTURBANCE OR REDISTURBANCE.
6. ALL STOCKPILES SHALL HAVE APPROPRIATE MEASURES TO PREVENT EROSION. STOCKPILES SHALL NOT BE PLACED IN FLOOD PRONE AREAS OR WETLANDS AND DESIGNATED BUFFERS.
7. ALL SEDIMENT AND EROSION CONTROL MEASURES IN AND AROUND THE PROPOSED IMPROVEMENTS ARE TO REMAIN IN PLACE AND TO BE MAINTAINED THROUGHOUT CONSTRUCTION ACTIVITIES UNTIL THE PROPOSED IMPROVEMENTS ARE COMPLETED AND THE SITE ADEQUATELY STABILIZED.
8. ALL TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
9. NO SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

Michael Baker INTERNATIONAL

DESIGNED	TP	REVISION	-
DRAWN	LH	REVISION	-
CHECKED	JK	REVISION	-
DATE	08/05/2021	REVISION	-

VERMILION RIVER DAM REMOVAL AND CHANNEL RESTORATION LASALLE COUNTY

STATE OF ILLINOIS DEPARTMENT OF NATURAL RESOURCES OFFICE OF WATER RESOURCES

EROSION CONTROL PLAN
SCALE: 1"=20'
SHEET NO. 8 OF 12 SHEETS



LEGEND

- WETLAND
- - - WOTUS
- - - RIVERBANK
- ~ TREELINE
- ⊙ TREE
- [Cross-hatched box] TEMPORARY WETLAND DISTURBANCE - 0.01 AC
- [Diagonal hatched box] TEMPORARY WOTUS DISTURBANCE - 0.054 AC

TEMPORARY WOTUS DISTURBANCE CAUSEWAY TO BE REMOVED AFTER COMPLETION OF DAM REMOVAL AND PLACED ON PROPOSED CHANNEL BOTTOM AS INDICATED IN DRAWINGS OR DISPOSED ON-SITE AS DIRECTED BY THE ENGINEER.

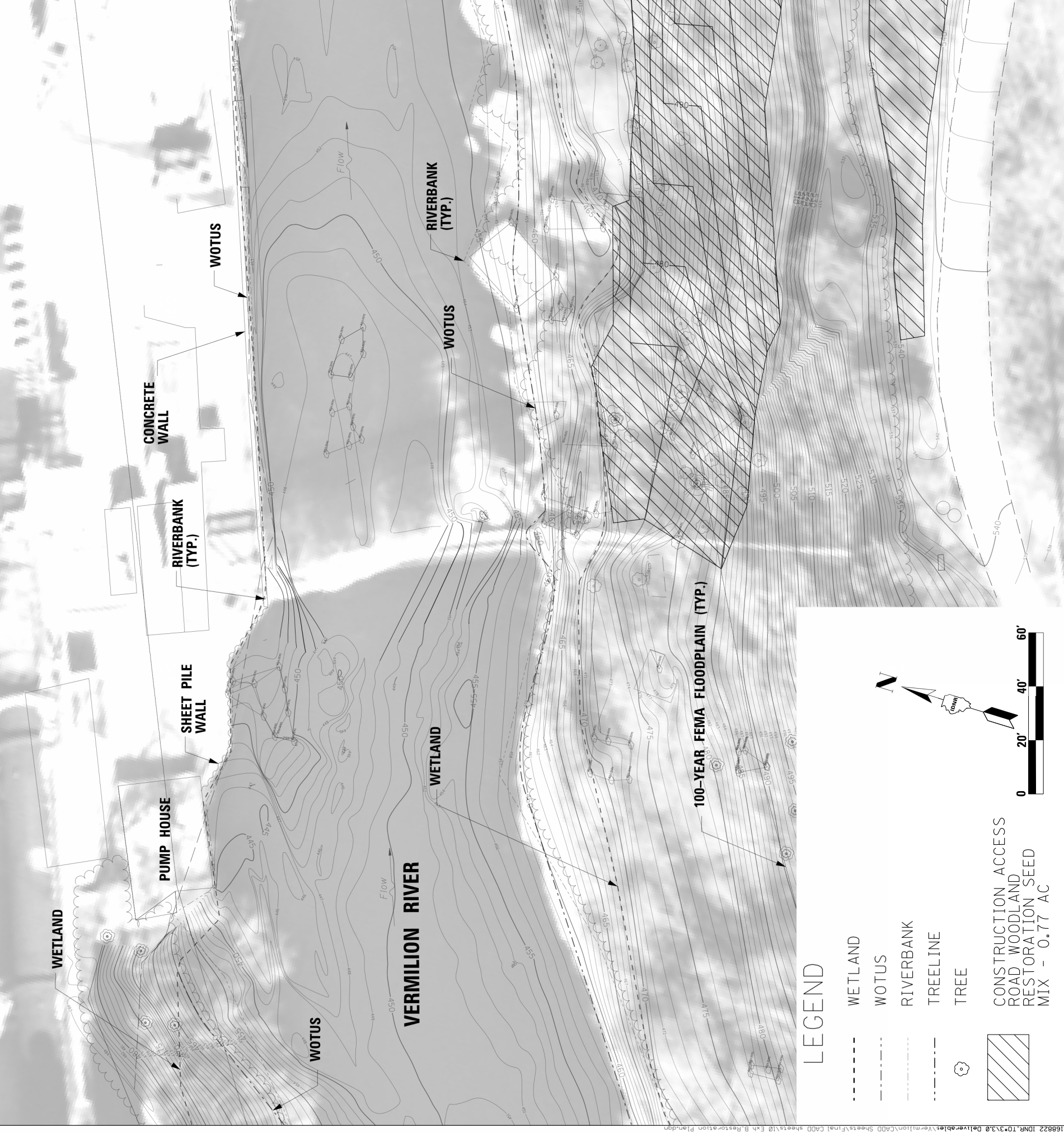
INSTALL PRE-FABRICATED TIMBER MATS. TEMPORARILY DISTURBED WETLAND WILL REGENERATE NATURALLY AFTER REMOVAL OF MAT (SEE SHEET 5).

	USER NAME = Justin.Chambers PLOT SCALE = 20,000' / 1"	DESIGNED TP DRAWN LH CHECKED JK DATE 08/05/2021	REVISIONS REVISION - REVISION - REVISION -	VERMILION RIVER DAM REMOVAL AND CHANNEL RESTORATION LASALLE COUNTY	STATE OF ILLINOIS DEPARTMENT OF NATURAL RESOURCES OFFICE OF WATER RESOURCES	TEMPORARY WETLAND DISTURBANCE EXHIBIT SCALE: 1"=20' SHEET NO. 9 OF 12 SHEETS
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FILE NAME = W:\16822\JMR\10\3\28\Deliverables\Vermlion\CADD Sheets\Final\CADD Sheets\03 E.A. Temporary Wetland Impact.dwg

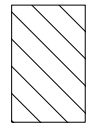
Construction Access Road Woodland Restoration Seed Mix
Oglesby, Lasalle County Project

Scientific Name	Common Name	Seed - lbs./acre
<i>Andropogon scoparius</i>	Little Bluestem	3,000
<i>Bromus latiglumis</i>	Ear-Leaved Brome	1,000
<i>Elymus canadensis</i>	Canada Wild Rye	2,000
<i>Elymus virginicus</i>	Virginia Wild Rye	4,000
<i>Elymus villosus</i>	Silky Wild Rye	1,000
<i>Hystrix patula</i>	Bottlebrush Grass	2,000
<i>Sorghastrum nutans</i>	Indian Grass	1,000
Grasses sub total:		14,000
<i>Actinomeris alternifolia</i>	Wingstem	0.125
<i>Agastache scrophulariaefolia</i>	Purple Giant Hyssop	0.125
<i>Aquilegia canadensis</i>	Wild Columbine	0.063
<i>Aster lateriflorus</i>	Side Flowering Aster	0.063
<i>Aster sagittifolius drummondii</i>	Drummond's Aster	0.063
<i>Campanula americana</i>	Tall Bellflower	0.125
<i>Eupatorium rugosum</i>	White Snakeroot	0.125
<i>Eupatorium purpureum</i>	Purple Joe-Pye Weed	0.063
<i>Penstemon digitalis</i>	Foxglove Beard Tongue	0.250
<i>Ratibida pinnata</i>	Yellow Cone Flower	0.250
<i>Rudbeckia hirta</i>	Black-Eyed Susan	0.250
<i>Rudbeckia laciniata</i>	Wild Golden Glow	0.125
<i>Rudbeckia subtomentosa</i>	Sweet Black-Eyed Susan	0.250
<i>Solidago ulmifolia</i>	Elm-Leaved Goldenrod	0.063
<i>Zizia aurea</i>	Golden Alexanders	0.250
Forbs sub total:		2,065
Permanent Species Total:		16,065
<i>Avena sativa</i>	Seed Oats	32,000
<i>Lolium multiflorum</i>	Annual Rye	3,000

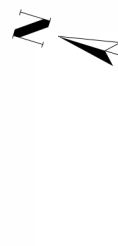


LEGEND

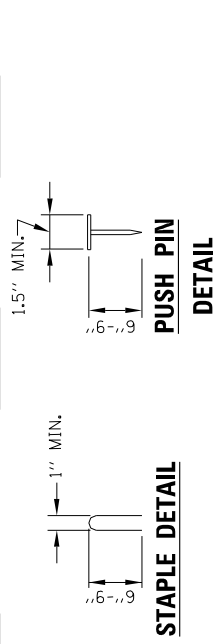
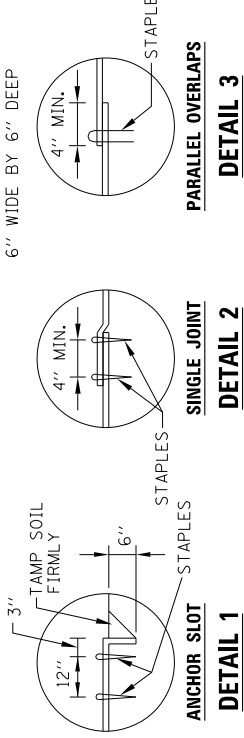
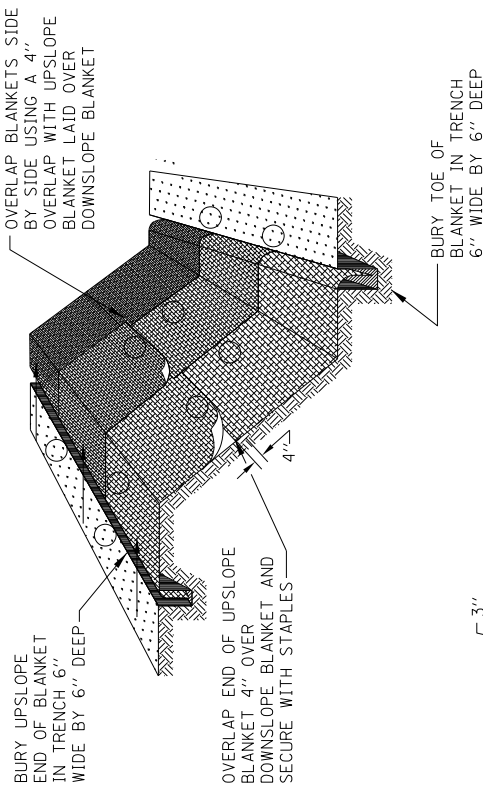
- WETLAND
- WOTUS
- RIVERBANK
- TREELINE
- TREE



CONSTRUCTION ACCESS
 ROAD WOODLAND
 RESTORATION SEED
 MIX - 0.77 AC

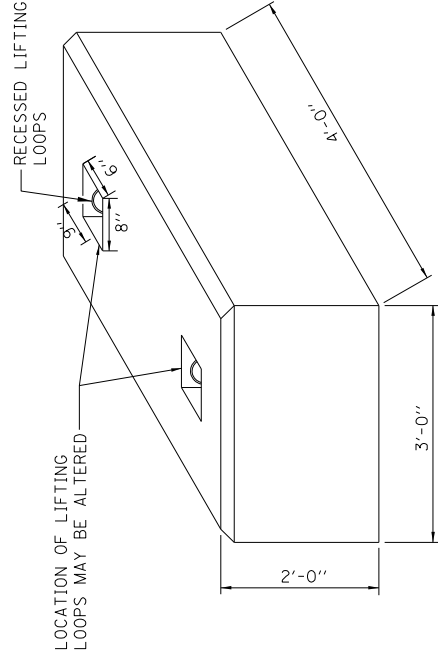


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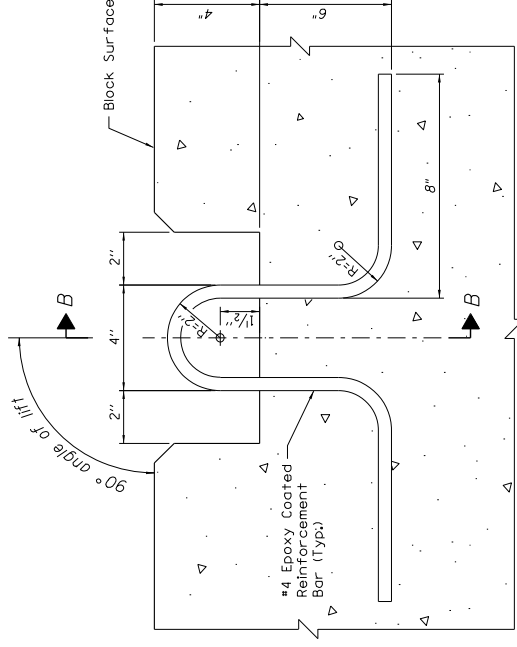


- NOTES:**
1. STAPLES SHALL BE PLACED IN A DIAMOND PATTERN AT 2 PER S.Y. FOR STITCHED BLANKETS. NON-STITCHED SHALL USE 4 STAPLES PER S.Y. OF MATERIAL. THIS EQUATES TO 200 STAPLES WITH STITCHED BLANKET AND 400 STAPLES WITH NON-STITCHED BLANKET PER 100 S.Y. OF MATERIAL.
 2. STAPLE OR PUSH PIN LENGTHS SHALL BE SELECTED BASED ON SOIL TYPE AND CONDITIONS. (MINIMUM STAPLE LENGTH IS 6")
 3. EROSION CONTROL MATERIAL SHALL BE PLACED IN CONTACT WITH THE SOIL OVER A PREPARED SEEDBED.
 4. ALL ANCHOR SLOTS SHALL BE STAPLED AT APPROXIMATELY 12" INTERVALS.

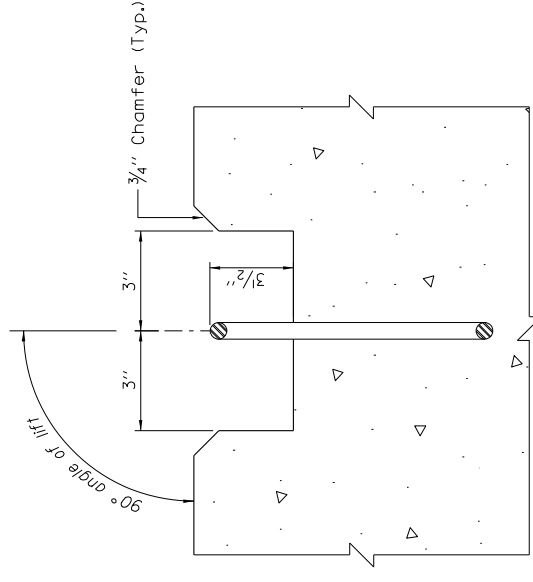
EROSION CONTROL BLANKET



PRECAST BLOCK ISOMETRIC VIEW

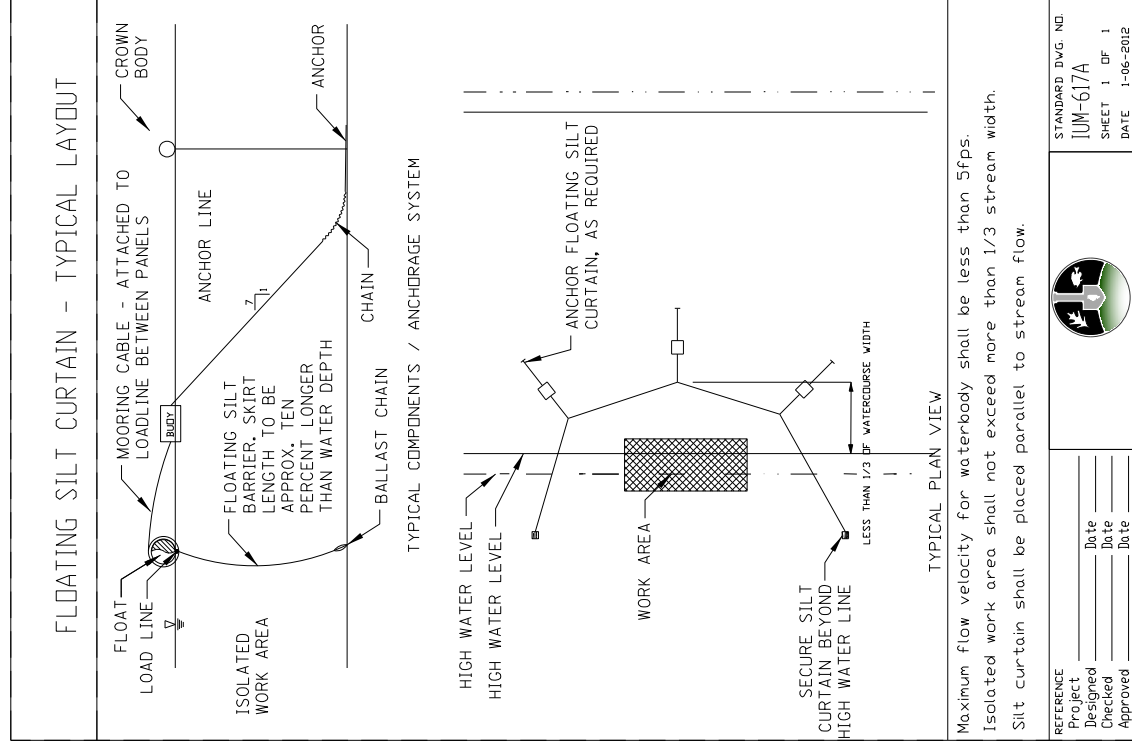


REBAR SECTION



**SECTION B-B
EXISTING PRECAST BLOCK DETAIL**

- NOTES:**
1. LIFTING LOOPS ARE #4 EPOXY COATED GRADE 60 REINFORCING BARS. THE CONCRETE BLOCKS ARE CONSTRUCTED FROM F'C = 3500 PSI UNREINFORCED CONCRETE. SPREADER BAR SHALL BE USED FOR PICKUP OF BLOCKS. THE BLOCKS HAVE BEEN IN THE RIVER APPROXIMATELY 10 YEARS. PERSONNEL SHALL MAINTAIN SUFFICIENT CLEARANCE FROM THE BLOCKS WHILE LIFTING TO INSURE SAFETY IN CASE FAILURE OCCURS IN THE LIFTING LOOPS AND/OR THE BLOCK.

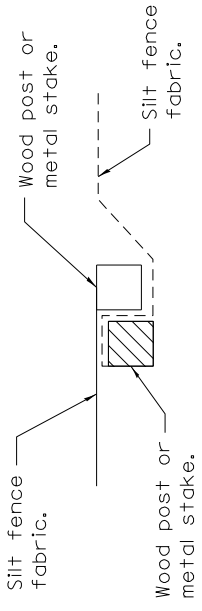


FLOATING SILT CURTAIN DETAIL



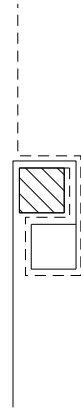
Project	DATE
Designed	DATE
Checked	DATE
Approved	DATE
STANDARD DWG. NO.	
IUM-617A	
SHEET 1 OF 1	
DATE	1-06-2012

USER NAME = JustinChambers	DESIGNED TP	REVISED -
	DRAWN LH	REVISED -
	CHECKED JK	REVISED -
	DATE 08/05/2021	REVISED -



Place end-post (stake) of first silt fence adjacent to end-post (stake) of second silt fence with fabric positioned as shown.

STEP 1

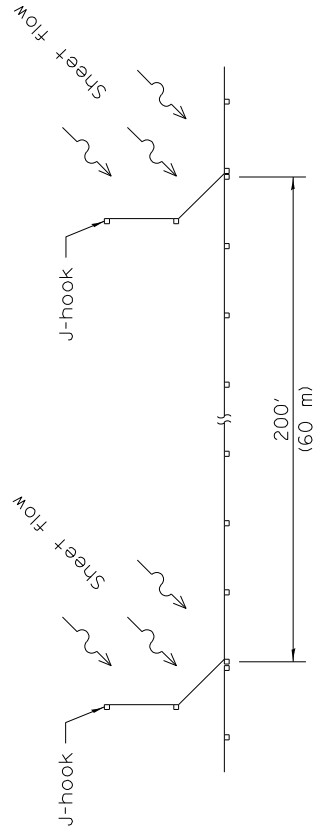


Rotate posts (stakes) together 180° clockwise and drive both posts (stakes) 18 (450) into ground.

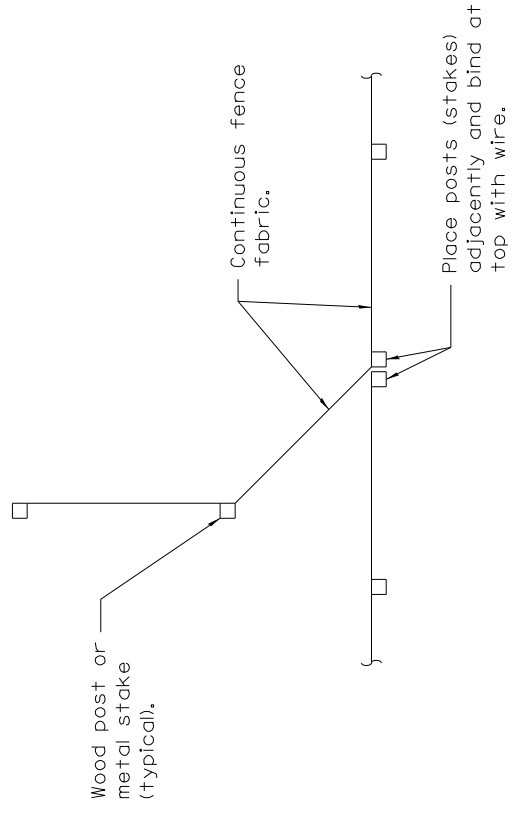
STEP 2

ATTACHING TWO SILT FILTER FENCES

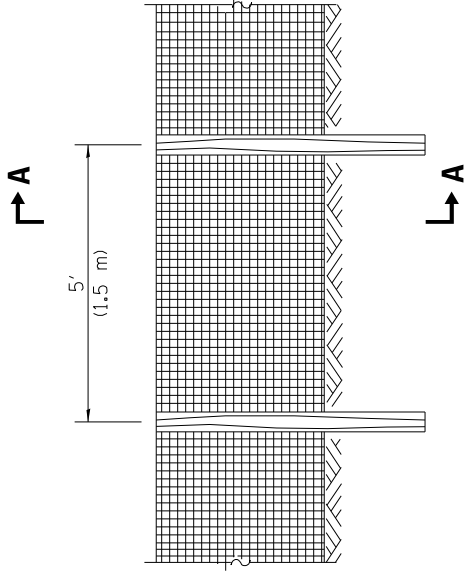
(Not applicable for J-hooks)



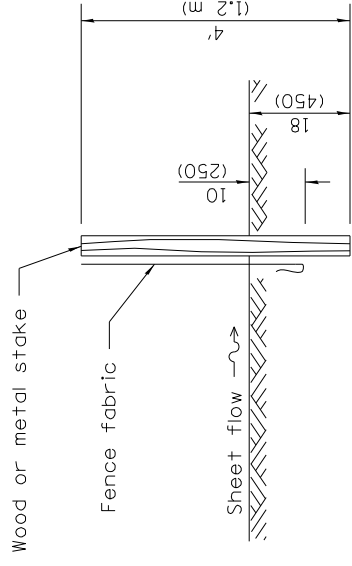
SILT FILTER J-HOOK PLACEMENT



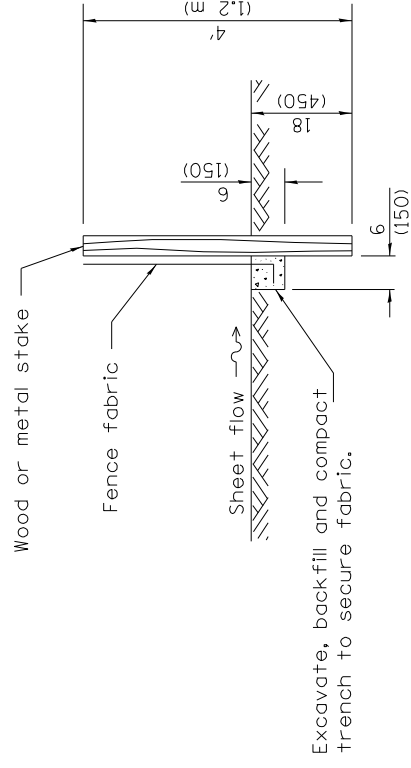
J-HOOK



ELEVATION



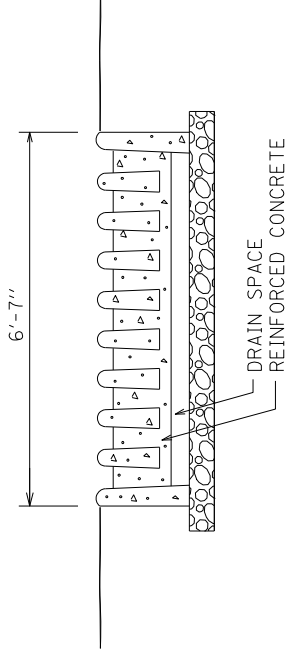
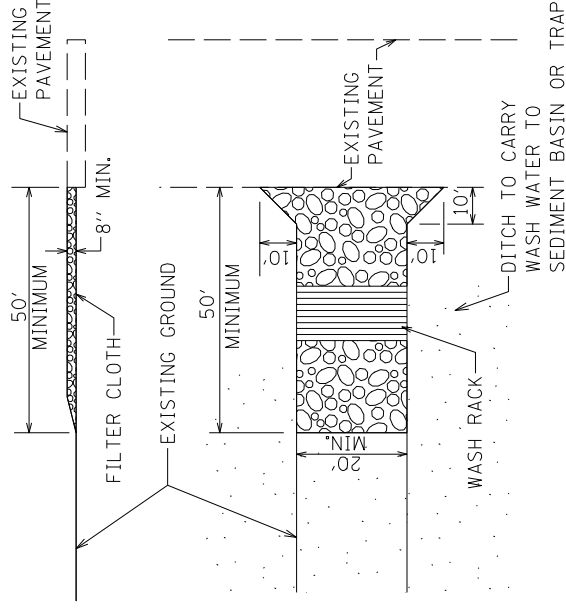
SLICE METHOD



TRENCH METHOD

SECTION A-A

SILT FILTER FENCE AS A PERIMETER EROSION BARRIER



NOTE: WASH RACK MATERIAL MAY ALSO BE ALUMINUM OR OTHER METAL

WASH RACK DETAIL

CONSTRUCTION ACCESS ROAD SPECIFICATIONS

1. STONE SIZE - USE 2" STONE OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. THICKNESS - NOT LESS THAN EIGHT (8) INCHES.
3. FILTER CLOTH - SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE
4. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAYS MUST BE REMOVED IMMEDIATELY.
5. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
6. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

STABILIZED CONSTRUCTION ENTRANCE WITH WASH RACK (TEMPORARY)

	USER NAME = Justin.Chambers DESIGNED TP DRAWN LH CHECKED JK DATE 08/05/2021	REVISIONS: - - - -	STATE OF ILLINOIS DEPARTMENT OF NATURAL RESOURCES OFFICE OF WATER RESOURCES	DETAILS 2 SCALE: N.T.S. SHEET NO. 12 OF 12 SHEETS
	VERMILION RIVER DAM REMOVAL AND CHANNEL RESTORATION LASALLE COUNTY			