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STANDARDS

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

STATE OF ILLINOIS
DEPARTMENT OF NATURAL RESOURCES
OFFICE OF WATER RESOURCES

DES PLAINES RIVER DAM 4 REMOVAL

DES PLAINES RIVER
PARK RIDGE, ILLINOIS
COOK COUNTY

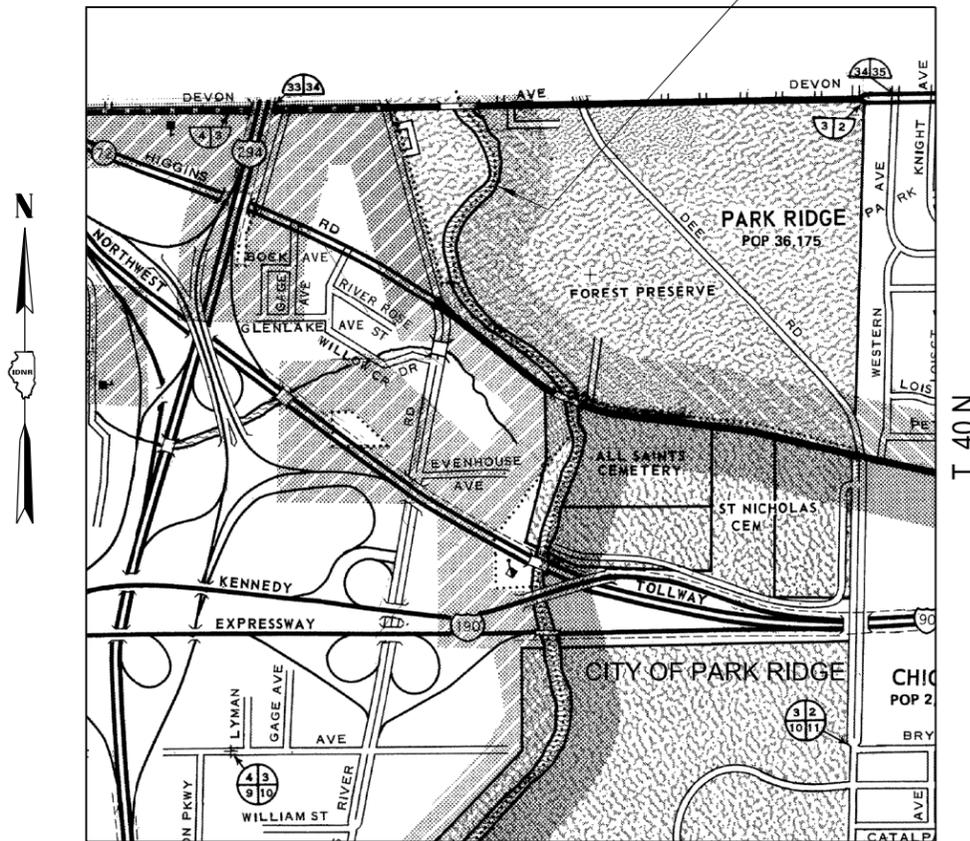
FR-438

2021

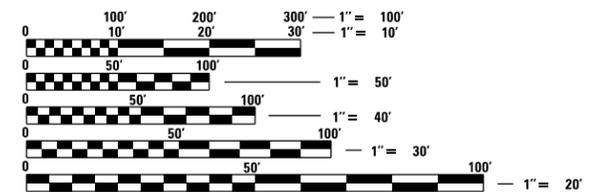
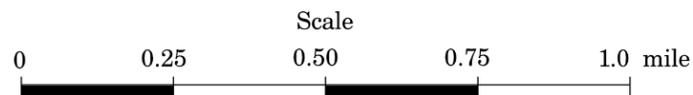
R. 12 E.
 Project Location
 (Blue Beech Family Picnic Area)



REGIONAL MAP



LOCATION MAP



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.

J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-892-0123
 OR 811



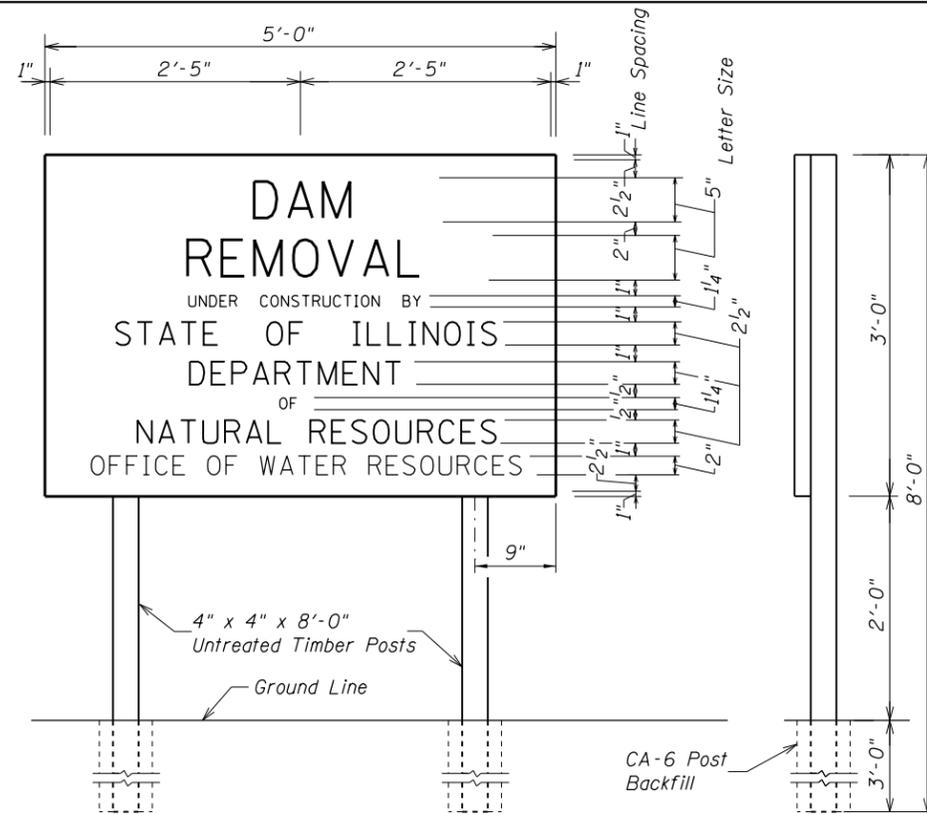
Ted Montrey 3/5/21

ILLINOIS REGISTERED PROFESSIONAL ENGINEER NO. 062-049591
 LICENSE EXPIRES 11-30-21

SUBMITTED BY: *[Signature]* DATE 3/5/21
 MANAGER, DIVISION OF CAPITAL PROGRAMS
 APPROVED BY: *[Signature]* DATE 3/5/21
 DIRECTOR, OFFICE OF WATER RESOURCES

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 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 SHALL 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 AS WOOD INFORMATION SIGNS.



GENERAL NOTES

- ALL ELEVATIONS REFER TO N.G.V.D. (NATIONAL GEODETIC VERTICAL DATUM) 1929 AND NAD (NORTH AMERICAN DATUM) 1983 COORDINATES.
- THE CONTRACTOR SHALL FURNISH, ERECT, MAINTAIN, AND WHEN DIRECTED BY THE ENGINEER, COMPLETELY REMOVE TWO WOOD INFORMATION SIGNS. THE EXACT LOCATIONS OF THE SIGNS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
- THE CONTRACTOR SHALL PROTECT AND RESTORE AT THE CONTRACTOR'S EXPENSE, IN ACCORDANCE WITH ART. 107.20 OF THE STANDARD SPECIFICATIONS, ANY PRIVATE OR PUBLIC PROPERTY, INCLUDING ACCESS ROADS, WHICH MAY BE DAMAGED OR DESTROYED DUE TO CONSTRUCTION OPERATIONS.
- THE LOCATION, MAINTENANCE, REMOVAL, AND RESTORATION TO ORIGINAL CONDITION OF ALL HAUL ROADS SHALL BE APPROVED BY THE ENGINEER, AND ALL COSTS SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.
- ALL DEWATERING COSTS SHALL BE CONSIDERED INCLUDED WITH THE CONTRACT.
- IT IS RECOMMENDED THAT THE DAM REMOVAL BE CONDUCTED DURING PERIODS OF LOW FLOW. HISTORICALLY, LOW FLOW PERIODS OCCUR FROM JANUARY TO THE END OF MARCH AND JUNE THROUGH JULY.
- THE CONTRACTOR SHALL VERIFY UTILITY INFORMATION SHOWN ON PLANS AND CONTACT JULIE BEFORE BEGINNING CONSTRUCTION.
- CLEARING AND TREE REMOVAL WORK SHALL BE SHOWN IN THE CONSTRUCTION SCHEDULE AND SHALL BE CONDUCTED FROM AUGUST 1 THROUGH MAY 31.

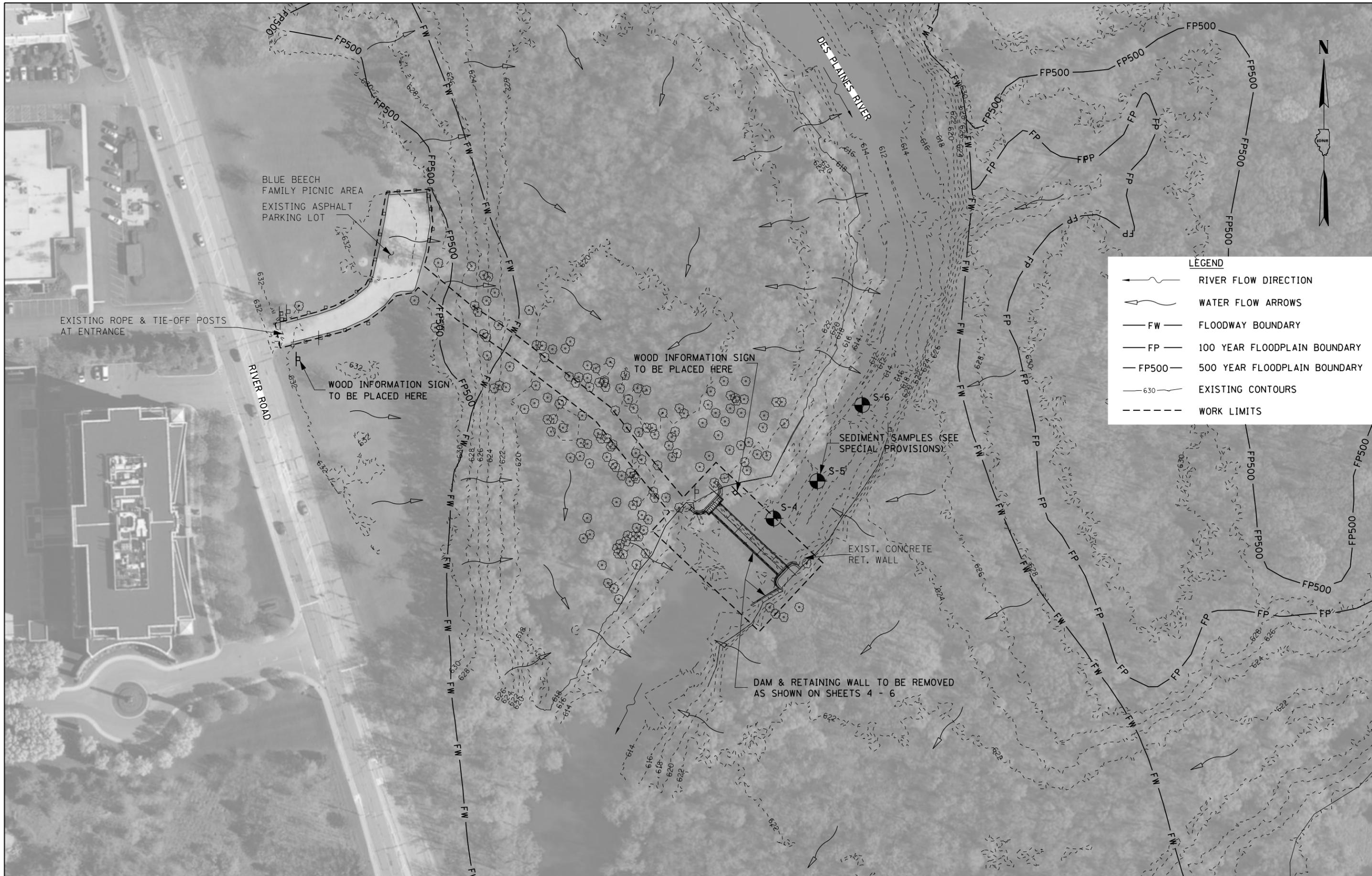
UTILITY REFERENCE TABLE

J.U.L.I.E.	Call 48 hours prior to construction	800-892-0123
TELEPHONE	ATT DISTRIBUTION ENRIQUE TORRES	630-573-5450 847-759-5103
	ATT/T-TCG JIM EVERETT	770-750-6181
	MCI DEAN BOYERS	972-729-6322
ELECTRICITY	COMED JOLIET	630-576-7094
WATER & SEWER	METROPOLITAN WATER RECLAMATION DISTRICT CHICAGO JOE SCHUESSLER HANIF MUNSHI	312-751-3184
GAS	NICOR GAS UTILITY CONSULTANT	630-388-2362
CABLE TELEVISION	COMCAST MARTHA GIERAS	630-600-6352
CITY	CITY OF PARK RIDGE SARAH MITCHELL - CITY ENGINEER	847-318-5455
	FOREST PRESERVES OF COOK COUNTY	ERIC OTTO WIDE OPEN WEST PAUL FLINKOW
	LEVEL 3 COMMUNICATIONS NETWORK RELOCATIONS	877-366-8344x2
	XO ILLINOIS INC. RANDY WOOD	630-371-3159
EXELON	STAKE CENTER LOCATING	801-364-1063
COMED	USIC LOCATING SERVICE	773-851-6403
COMED BURIED FIBER CABLE	G4S TECHNOLOGY LLC RAYMOND GREGOR	630-343-2826
	ZAYO FIBER SOLUTIONS TIM PAYMENT	630-203-8003
	REDSPEED ILLINOIS, LLC JOSE CHAVEZ	630-317-5705
	SIDERA NETWORKS MATT COPE	312-432-0076

SUMMARY OF QUANTITIES

CODE NO.	PAY ITEM	UNIT	QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNITS	112
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNITS	18
20101000	TEMPORARY FENCE	FOOT	640
20101400	NITROGEN FERTILIZER NUTRIENT	POUND	17
20101500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	17
20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	17
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	40
25000312	SEEDING, CLASS 4A	ACRE	0.18
* 25100630	EROSION CONTROL BLANKET	SQ YD	881
28000400	PERIMETER EROSION BARRIER	FOOT	1348
28200200	FILTER FABRIC	SQ YD	148
* 50102400	CONCRETE REMOVAL	L SUM	1
67100100	MOBILIZATION	L SUM	1
* NR105001	CONSTRUCTION STAKING	L SUM	1
* NR280005	FLOATING SILT CURTAIN, TYPE 3	L SUM	1
* NR281000	CAUSEWAY	L SUM	1
* NR281001	AGGREGATE FOR TEMPORARY ACCESS	L SUM	1
* NR512001	SHEET PILE REMOVAL	SQ FT	270
* NR704001	TRAFFIC CONTROL AND PROTECTION, SPECIAL	L SUM	1
* NR720001	WOOD INFORMATION SIGNS	EACH	2

* INDICATES NON-STANDARD ITEM COVERED BY SPECIAL PROVISIONS



LEGEND	
	RIVER FLOW DIRECTION
	WATER FLOW ARROWS
	FW FLOODWAY BOUNDARY
	FP 100 YEAR FLOODPLAIN BOUNDARY
	FP500 500 YEAR FLOODPLAIN BOUNDARY
	630 EXISTING CONTOURS
	WORK LIMITS

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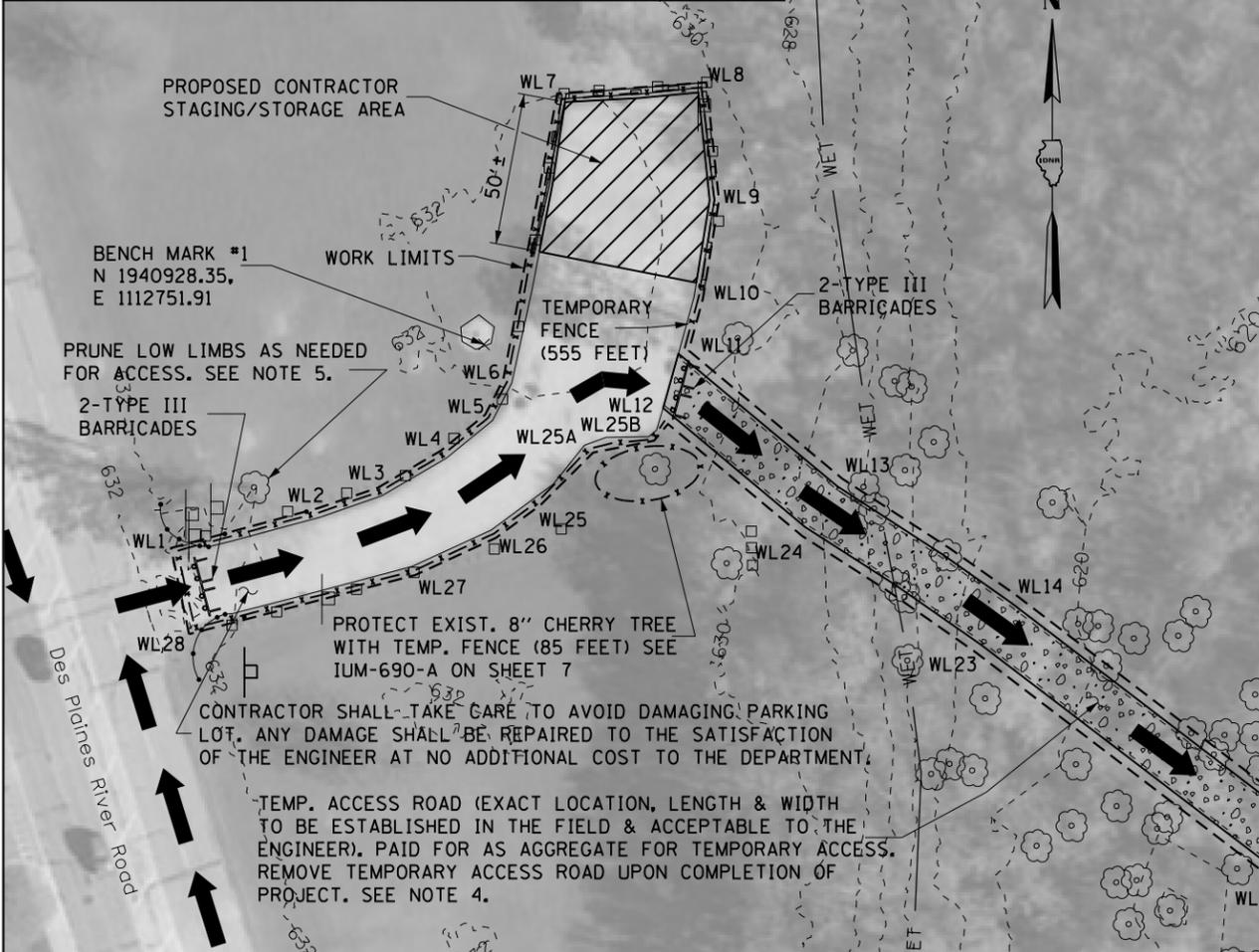
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DATE - 2-11-20	REVISED

STATE OF ILLINOIS
DEPARTMENT OF NATURAL RESOURCES
OFFICE OF WATER RESOURCES

DES PLAINES RIVER DAM 4 REMOVAL
EXISTING SITE PLAN

COUNTY	TOTAL SHEETS	SHEET NO.
COOK	13	3
PROJECT FR-438		

BM #1: CHISELED SQUARE ON CONCRETE SLAB AROUND HAND WATER PUMP
 @ BLUE BEECH PICNIC AREA - EAST SIDE DES PLAINES RIVER RD. ± 400'
 SOUTH OF DEVON AVE. SQUARE IS < 1' EAST OF PUMP. EL.EV. 632.71



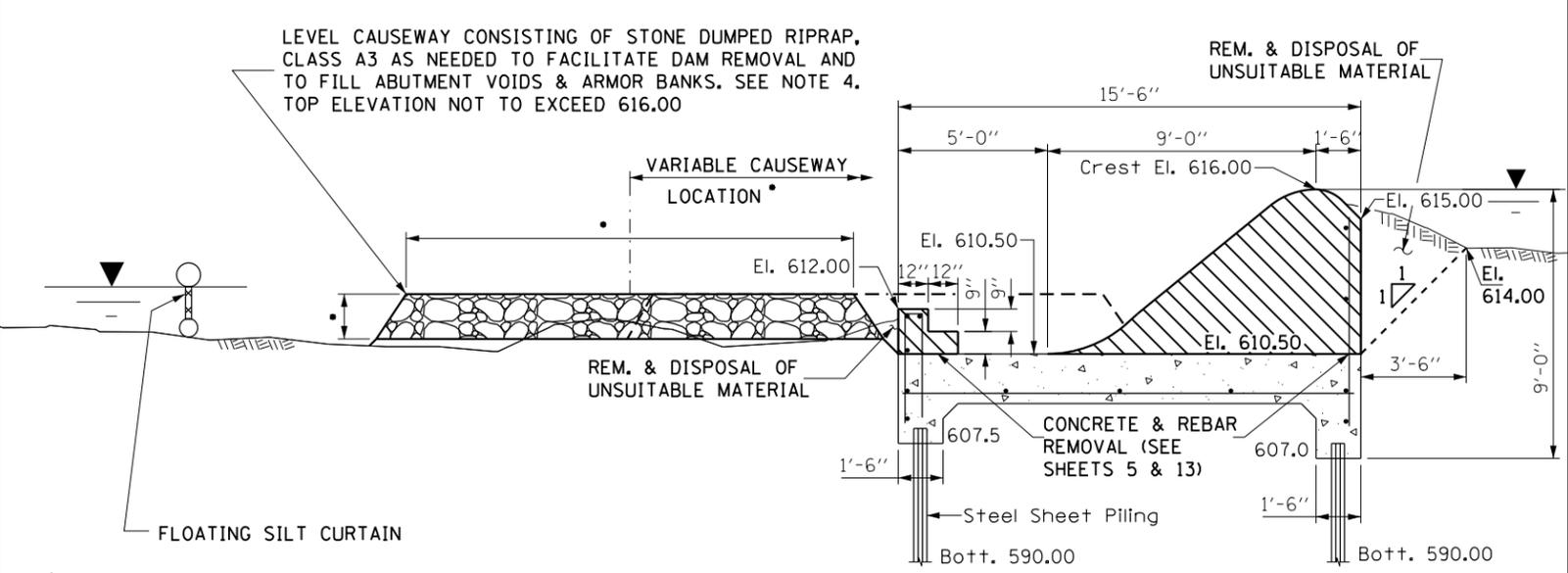
WORK LIMITS COORDINATE TABLE

POINT	COORDINATES
WL1	N 1940861.36 E 1112648.72
WL2	N 1940874.41 E 1112697.09
WL3	N 1940881.22 E 1112716.89
WL4	N 1940893.40 E 1112737.79
WL5	N 1940905.29 E 1112752.38
WL6	N 1940916.72 E 1112758.24
WL7	N 1941010.98 E 1112776.08
WL8	N 1941014.60 E 1112825.29
WL9	N 1940975.77 E 1112829.42
WL10	N 1940943.35 E 1112824.13
WL11	N 1940926.40 E 1112819.47
WL12	N 1940902.19 E 1112812.59
WL13	N 1940884.09 E 1112870.25
WL14	N 1940845.72 E 1112927.59
WL15	N 1940765.83 E 1113032.26
WL16	N 1940662.40 E 1113116.05
WL17	N 1940702.31 E 1113153.51
WL18	N 1940587.01 E 1113276.38
WL19	N 1940509.06 E 1113203.23
WL20	N 1940624.37 E 1113080.36
WL21	N 1940645.58 E 1113100.26
WL22	N 1940749.28 E 1113016.05
WL23	N 1940827.04 E 1112914.16
WL24	N 1940865.26 E 1112856.92
WL25	N 1940875.54 E 1112770.60
WL26	N 1940864.66 E 1112755.86
WL27	N 1940852.38 E 1112729.15
WL28	N 1940833.02 E 1112654.65
WL25A	N 1940892.74 E 1112787.92
WL25B	N 1940896.65 E 1112808.00

2 YEAR WATER SURFACE ELEVATIONS

DAM	624.45
TAILWATER	624.45

NORMAL TAILWATER ELEV. = 615.07



SECTION A-A

* THE LOCATION, WIDTH AND DEPTH SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR TO SUIT FIELD CONDITIONS AND ACCOMMODATE EQUIPMENT.

LEGEND

TREE REMOVAL

NOTES:

1. FLAGMEN TO BE PROVIDED BY THE CONTRACTOR WHEN WORK VEHICLES ENTER OR EXIT THE PROJECT SITE. COST INCLUDED IN TRAFFIC CONTROL & PROTECTION, SPECIAL.
2. NO EARTHEN FILL SHALL BE PLACED INTO THE RIVER.
3. LARGE DEAD DOWNED TREES ALONG ACCESS ROAD THRU WOODS SHALL BE MOVED OUT OF WAY AND MOVED BACK AS PART OF SITE RESTORATION. COST INCLUDED IN AGGREGATE FOR TEMPORARY ACCESS.
4. THE MATERIAL FROM THE CAUSEWAY AND ADDITIONAL MATERIAL ACCEPTABLE TO THE ENGINEER SHALL BE USED TO FILL THE ABUTMENT VOIDS AND PROTECT SIDE SLOPES. ESTIMATED QUANTITY OF VOIDS & SIDE SLOPE MATERIAL IS:
WEST ABUTMENT: 35.9 CU. YD.
EAST ABUTMENT: 19.5 CU. YD.
SHEET PILE WALL @ EAST ABUTMENT: 25.1 CU. YD.
5. PRIOR TO PRUNING, THE LOW LIMBS SHALL BE MARKED AND ACCEPTABLE TO THE ENGINEER. THE PRUNING OF LOW LIMBS SHALL NOT BE MEASURED FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF OTHER TREES TO BE REMOVED.
6. THE CONTRACTOR SHALL CLOSE THE EXISTING GATE AT THE ENTRANCE TO THE PARKING LOT WHEN NOT USED BY CONSTRUCTION TRAFFIC UNLESS OTHERWISE ACCEPTABLE TO THE ENGINEER.
7. THE CONTRACTOR SHALL COMPLY WITH THE CORPS OF ENGINEER'S PERMIT IN THE SPECIAL PROVISIONS.

DAM #4 TO BE REMOVED AS SHOWN ABOVE IN SECT. A-A AND ON SHEET 5

UPSTREAM EXCAVATION LIMITS
DOWNSTREAM EXCAVATION LIMITS

BILL OF MATERIAL

REMOVAL & DISPOSAL OF UNSUITABLE MAT'L.	CU YD	40
TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNITS	112
TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNITS	18
AGGREGATE FOR TEMPORARY ACCESS	L SUM	1
CAUSEWAY	L SUM	1
TEMPORARY FENCE	FOOT	640

CAUSEWAY ALONG BASE OF DAM TO FACILITATE REMOVAL IN THE WET. SEE NOTE 4.

FLOATING SILT CURTAIN TO BE INSTALLED PRIOR TO THE START OF DAM REMOVAL (BILLED ON SHEET 8)

REMOVE CONCRETE CAP AND CUT OFF SHEET PILING. SEE SHEET 6.

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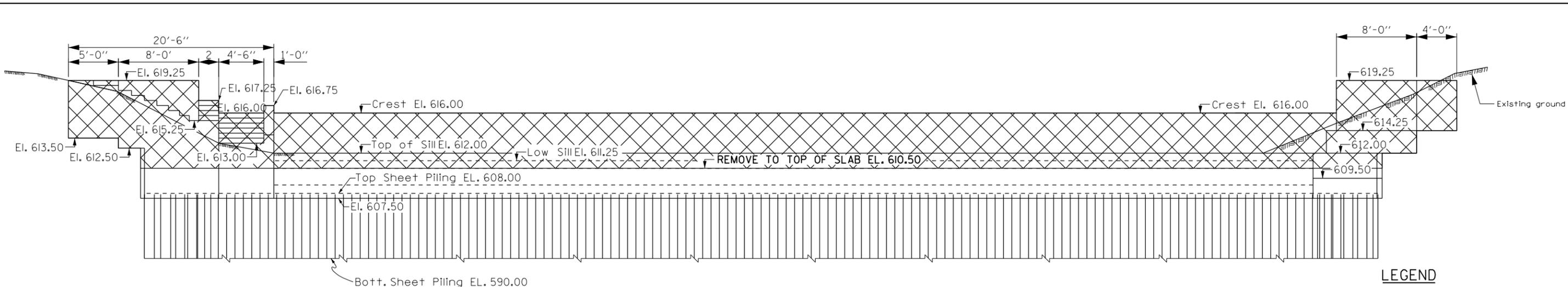
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DATE - 2-11-20

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

DES PLAINES RIVER DAM 4 REMOVAL
DAM REMOVAL PLAN

COUNTY TOTAL SHEETS SHEET NO.
COOK 13 4
PROJECT FR-438

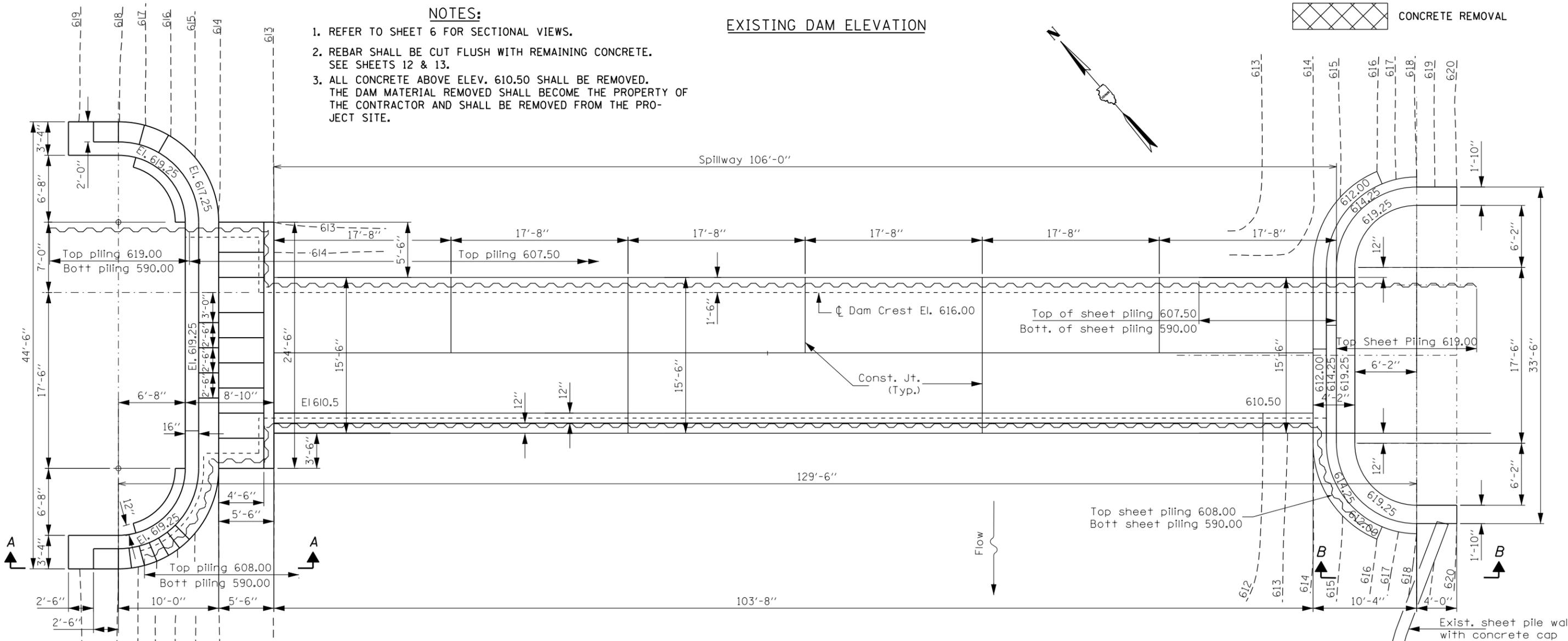


LEGEND

CONCRETE REMOVAL

- NOTES:**
1. REFER TO SHEET 6 FOR SECTIONAL VIEWS.
 2. REBAR SHALL BE CUT FLUSH WITH REMAINING CONCRETE. SEE SHEETS 12 & 13.
 3. ALL CONCRETE ABOVE ELEV. 610.50 SHALL BE REMOVED. THE DAM MATERIAL REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE PROJECT SITE.

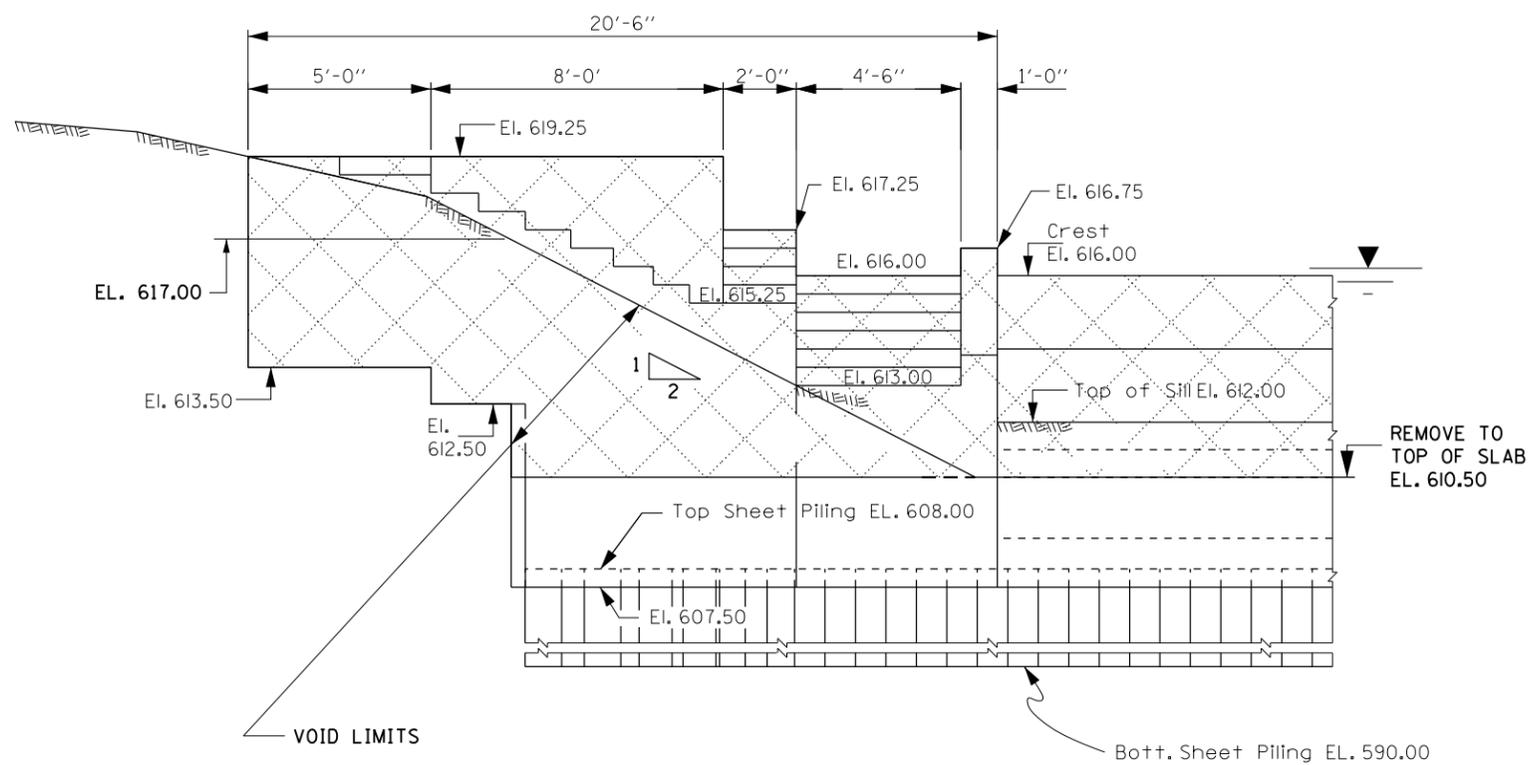
EXISTING DAM ELEVATION



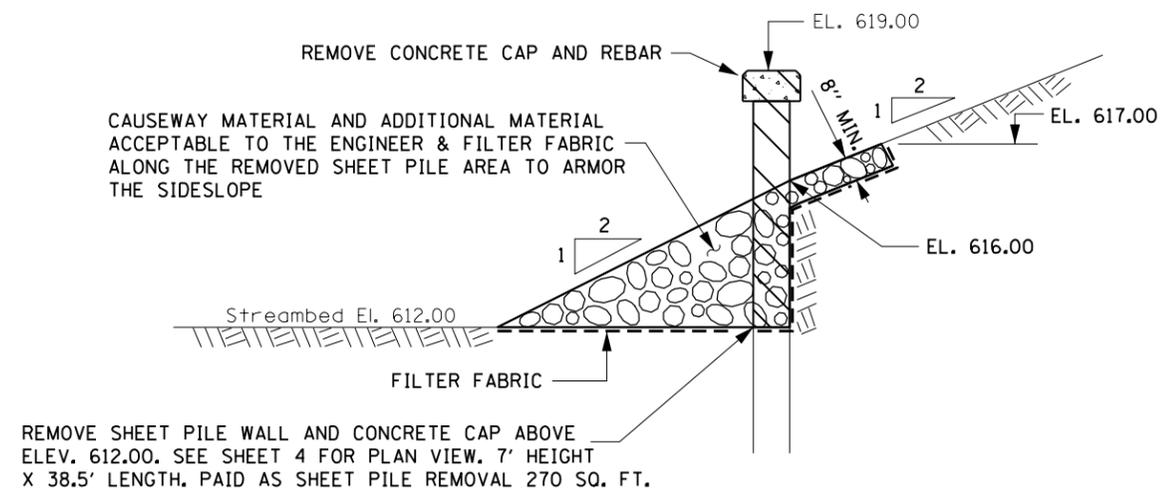
EXISTING DAM PLAN

BILL OF MATERIAL

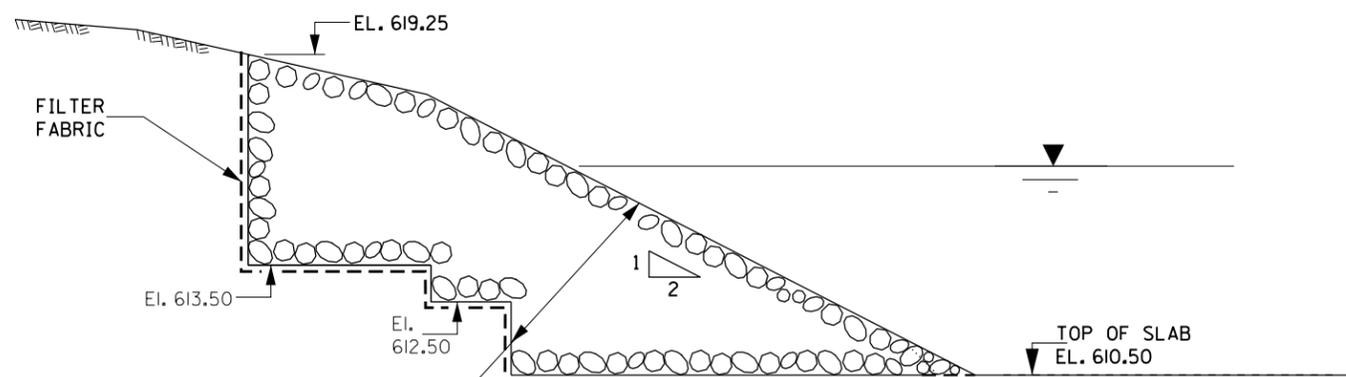
CONCRETE REMOVAL	L SUM	1
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SECTION A-A
(EXISTING)



SECTION B-B



SECTION A-A
(PROPOSED)

CAUSEWAY MATERIAL AND ADDITIONAL MATERIAL ACCEPTABLE TO THE ENGINEER TO FILL ABUTMENT VOIDS IN SIDESLOPES AND TO CREATE A SMOOTH SIDE SLOPE TRANSITION FROM UPSTREAM TO DOWN-STREAM.

NOTES:

1. SECTIONS TAKEN FROM SHEET 5.

BILL OF MATERIAL

SHEET PILE REMOVAL	SQ FT	270
FILTER FABRIC	SQ YD	148

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DESIGNED - JJF
DRAWN - JJF
CHECKED - TMM
DATE - 2-11-20

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REVISED

STATE OF ILLINOIS
DEPARTMENT OF NATURAL RESOURCES
OFFICE OF WATER RESOURCES

DES PLAINES RIVER DAM 4 REMOVAL
DAM REMOVAL DETAILS II

COUNTY	TOTAL SHEETS	SHEET NO.
COOK	13	6

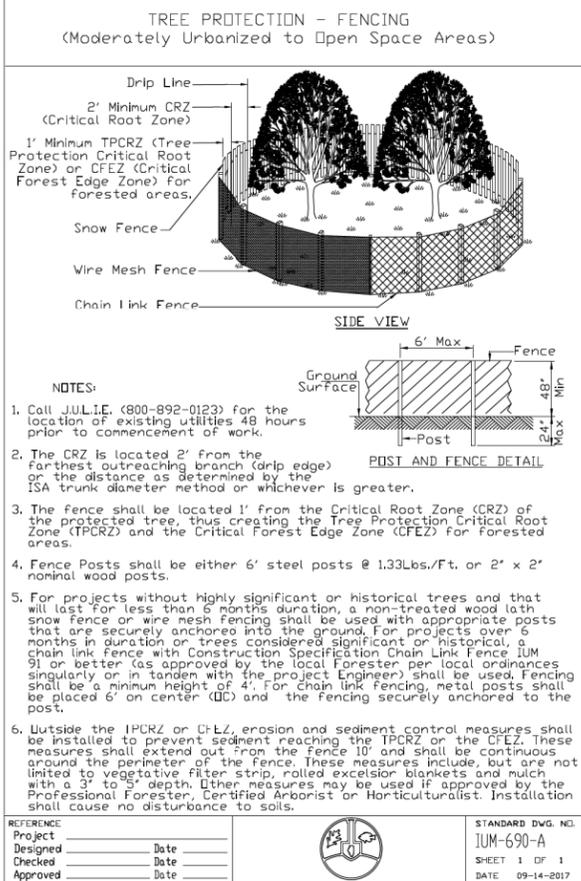
PROJECT FR-438

Notes:

- All erosion control items to be furnished and maintained by the Contractor for the entire duration of the project, as directed by the Engineer.
- Unless otherwise indicated, all vegetative and structural erosion and sediment control practices shall be constructed according to minimum standards and specifications in the most current Illinois Urban Manual and the April, 2016 IDOT Standard Specifications.
- The North Cook County Soil and Water Conservation District (NCCSWCD) must be notified one week prior to the pre-construction conference, one week prior to the commencement of land disturbing activities and one week prior to the final inspection.
- A copy of the approved Sediment and Erosion Control Plan shall be maintained on the site at all times.
- Prior to commencing land-disturbing activities in areas other than indicated on these plans (including, but not limited to, additional phases of development and off site borrow or waste areas) a Supplementary Erosion Control Plan shall be submitted to the Engineer for review.
- The Contractor is responsible for installation of all erosion control measures necessary to prevent erosion and sedimentation as determined by the NCCSWCD. Exact sizes and locations may be adjusted in the field. All installations shall be maintained to ensure they are functioning properly.
- All adjacent streets must be kept clear of debris, inspected daily and cleaned when necessary.
- All erosion control measures shall be inspected weekly and after each 1/2" rain event.
- Mulch and erosion control blanket shall be installed on all slopes and in critical areas immediately upon final grading.
- The priority shall be given to the completion and stabilization of the disturbed areas. Work in these areas shall not be prolonged in attempt that all final grading and stabilization can take place at one time.
- Stockpiles of soil and other materials to remain in place more than three (3) days shall be furnished with erosion and sediment control measures (I.E. perimeter erosion barrier). Stockpiles to remain in place for 21 days or more shall receive temporary seeding. Cost included in contract.
- In areas where work is complete, permanent stabilization shall occur within 7 days of completion, and in areas where work has temporarily ceased for 21 days or more, temporary stabilization shall occur by the 14th day after work has ceased.
- Completed slopes shall be seeded, fertilized and mulched as the excavation proceeds to the extent considered desirable and practical. Permanent seeding shall be used whenever possible. Under no circumstances shall the contractor prolong final grading and shaping so that the entire project can be permanently seeded at one time.
- The contractor shall amend the Sediment & Erosion Control Plan as needed to show changes in construction. These shall be kept up to date throughout construction.

Notes: (cont'd.)

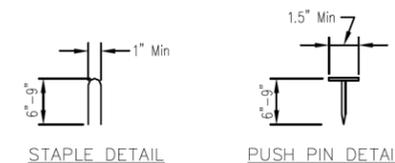
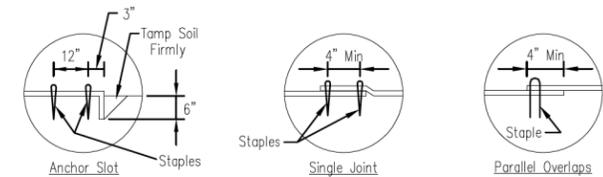
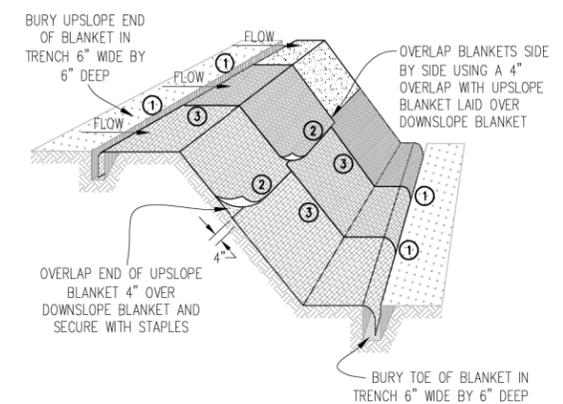
- All non-project areas that are disturbed shall be returned to their pre-construction condition at no additional cost to the Department.
- Dewatering of the project area is not proposed for this project. Optionally, the Contractor may submit dewatering plans to the Engineer and permitting agencies for approval.
- All construction entrances, staging areas & access roadways will be maintained such that it will prevent tracking or flow of sediment on public roads. This may require periodic top dress of the construction entrances as needed and as directed by the Engineer.
- The condition of the construction site for winter shutdown shall be addressed early in the fall growing season so that slopes and other bare earth areas may be stabilized with temporary and/or permanent vegetative cover for proper erosion and sediment control. All open areas that are to remain idle throughout the winter shall receive temporary erosion control measures including temporary seeding, mulching, and/or erosion control blanket prior to the end of the fall growing season. The cost shall be included in the cost of Seeding, Class 4A. The areas to be worked beyond the end of the growing season must incorporate soil stabilization measures that do not rely on vegetative cover such as erosion control blanket and heavy mulching. The cost shall be included in the cost of Seeding, Class 4A.



INSPECTION AND MAINTENANCE SCHEDULE

ACTIVITY	RESPONSIBLE PARTY	DURATION
Stabilization during construction maintenance	Contractor	Weekly and after every 1/2" of rainfall
Inspection of stabilization during construction	Engineer & Contractor	Weekly and after every 1/2" of rainfall
Vegetation maintenance	Contractor	Completion of Contract
Vegetation and stabilization maintenance	Forest Preserves of Cook County	Ongoing after construction completion

AUTOCAD2006



NOTES:

- 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.
- Staple or push pin lengths shall be selected based on soil type and conditions. (minimum staple length is 6")
- Erosion control material shall be placed in contact with the soil over a prepared seedbed.
- All anchor slots shall be stapled at approximately 12" intervals.

DESIGNED	DATE
DRAWN	11/08
CHECKED	
APPROVED	

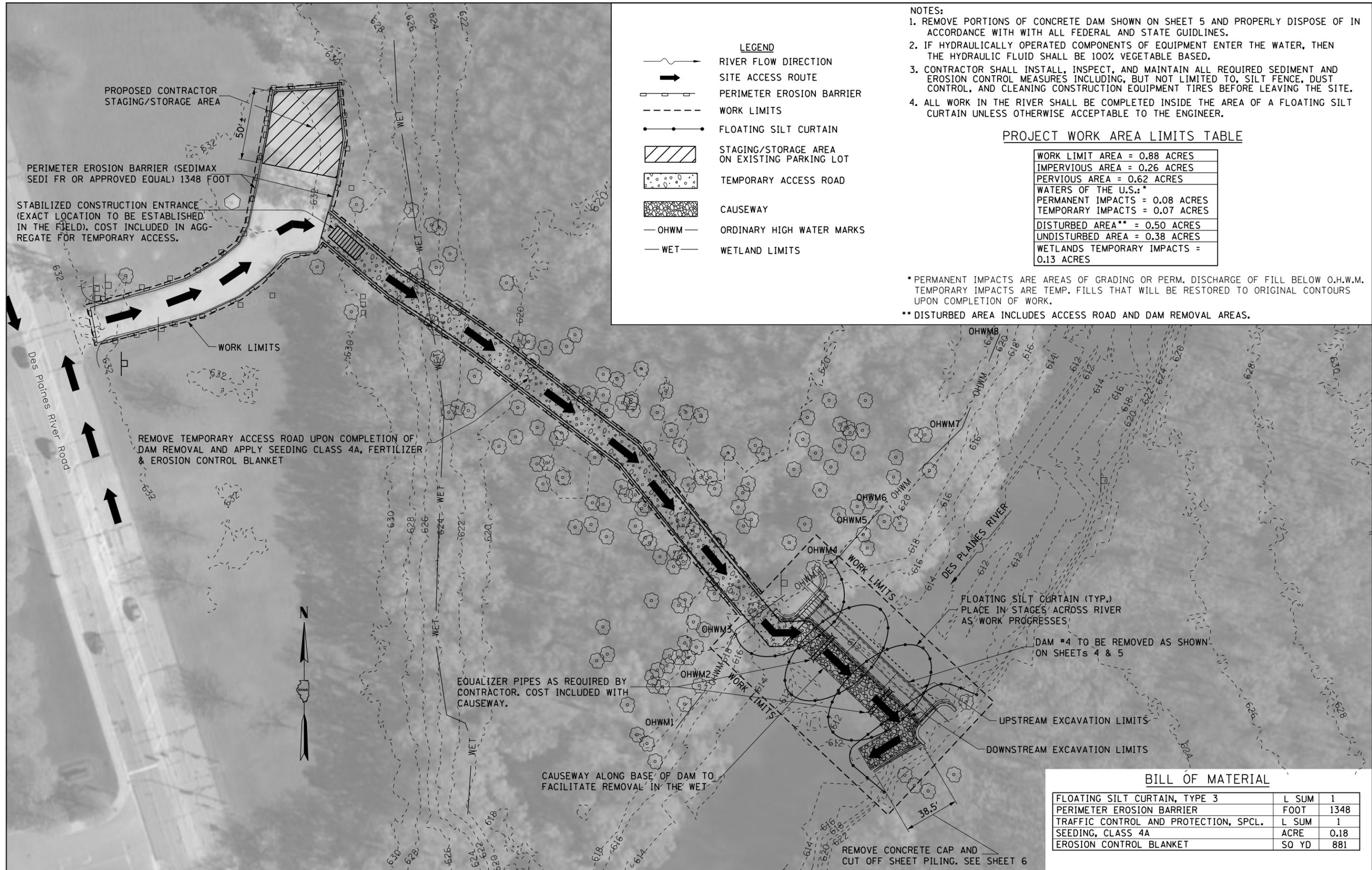
EROSION CONTROL BLANKET INSTALLATION DETAILS

3/3/2021	DESIGNED - JJF	REVISED
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40.0000 / 10	DATE - 2-11-20	REVISED

STATE OF ILLINOIS
DEPARTMENT OF NATURAL RESOURCES
OFFICE OF WATER RESOURCES

DES PLAINES RIVER DAM 4 REMOVAL
EROSION CONTROL GENERAL NOTES

COUNTY	TOTAL SHEETS	SHEET NO.
COOK	13	7
PROJECT FR-438		



LEGEND

- RIVER FLOW DIRECTION
- SITE ACCESS ROUTE
- PERIMETER EROSION BARRIER
- WORK LIMITS
- FLOATING SILT CURTAIN
- STAGING/STORAGE AREA ON EXISTING PARKING LOT
- TEMPORARY ACCESS ROAD
- CAUSEWAY
- ORDINARY HIGH WATER MARKS
- WETLAND LIMITS

- NOTES:**
1. REMOVE PORTIONS OF CONCRETE DAM SHOWN ON SHEET 5 AND PROPERLY DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL AND STATE GUIDELINES.
 2. IF HYDRAULICALLY OPERATED COMPONENTS OF EQUIPMENT ENTER THE WATER, THEN THE HYDRAULIC FLUID SHALL BE 100% VEGETABLE BASED.
 3. CONTRACTOR SHALL INSTALL, INSPECT, AND MAINTAIN ALL REQUIRED SEDIMENT AND EROSION CONTROL MEASURES INCLUDING, BUT NOT LIMITED TO, SILT FENCE, DUST CONTROL, AND CLEANING CONSTRUCTION EQUIPMENT TIRES BEFORE LEAVING THE SITE.
 4. ALL WORK IN THE RIVER SHALL BE COMPLETED INSIDE THE AREA OF A FLOATING SILT CURTAIN UNLESS OTHERWISE ACCEPTABLE TO THE ENGINEER.

PROJECT WORK AREA LIMITS TABLE

WORK LIMIT AREA = 0.88 ACRES
IMPERVIOUS AREA = 0.26 ACRES
PERVIOUS AREA = 0.62 ACRES
WATERS OF THE U.S.:
PERMANENT IMPACTS = 0.08 ACRES
TEMPORARY IMPACTS = 0.07 ACRES
DISTURBED AREA** = 0.50 ACRES
UNDISTURBED AREA = 0.38 ACRES
WETLANDS TEMPORARY IMPACTS = 0.13 ACRES

* PERMANENT IMPACTS ARE AREAS OF GRADING OR PERM. DISCHARGE OF FILL BELOW O.H.W.M. TEMPORARY IMPACTS ARE TEMP. FILLS THAT WILL BE RESTORED TO ORIGINAL CONTOURS UPON COMPLETION OF WORK.
 ** DISTURBED AREA INCLUDES ACCESS ROAD AND DAM REMOVAL AREAS.

BILL OF MATERIAL

FLOATING SILT CURTAIN, TYPE 3	L SUM	1
PERIMETER EROSION BARRIER	FOOT	1348
TRAFFIC CONTROL AND PROTECTION, SPCL.	L SUM	1
SEEDING, CLASS 4A	ACRE	0.18
EROSION CONTROL BLANKET	SO YD	881

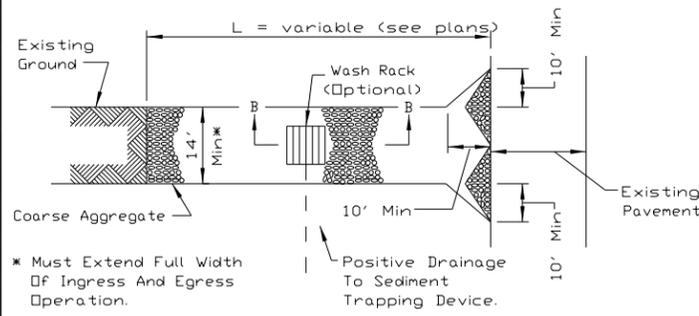
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**STATE OF ILLINOIS
 DEPARTMENT OF NATURAL RESOURCES
 OFFICE OF WATER RESOURCES**

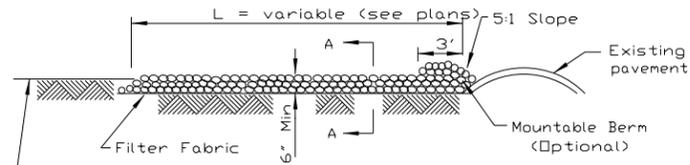
**DES PLAINES RIVER DAM 4 REMOVAL
 SEDIMENT AND EROSION CONTROL PLAN**

COUNTY	TOTAL SHEETS	SHEET NO.
COOK	13	8
PROJECT FR-438		

STABILIZED CONSTRUCTION ENTRANCE PLAN



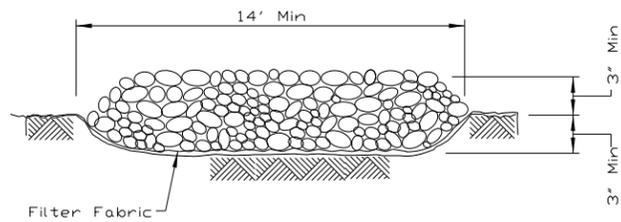
PLAN VIEW



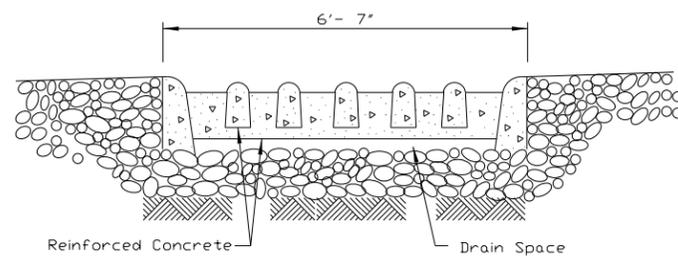
SIDE ELEVATION

- NOTES:
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table I or 2, Class IV, and shall be placed over the cleared area prior to the placing of rock.
 2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
 3. Any drainage facilities required because of washing shall be constructed according to manufacturers specifications.
 4. If wash racks are used they shall be installed according to the manufacturer's specifications.

STABILIZED CONSTRUCTION ENTRANCE PLAN

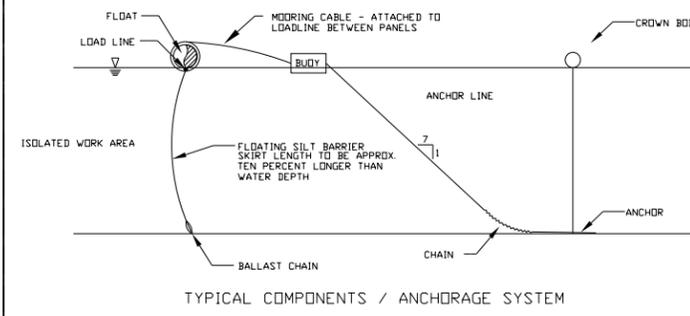


SECTION A-A

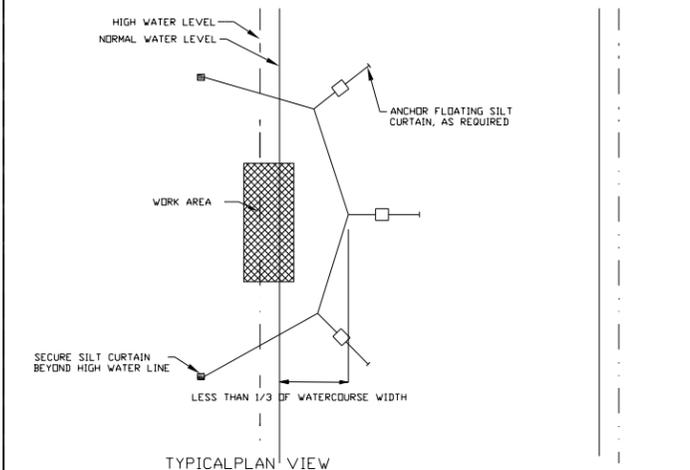


SECTION B-B

FLOATING SILT CURTAIN - TYPICAL LAYOUT



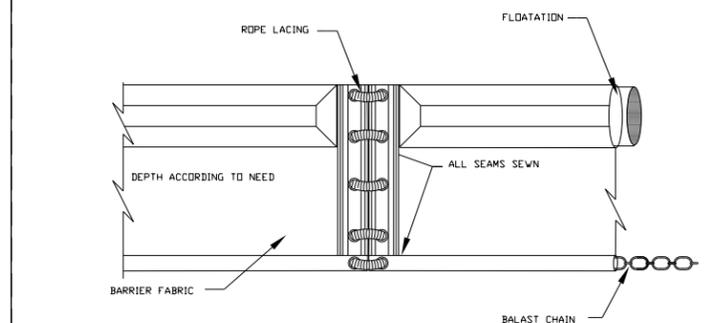
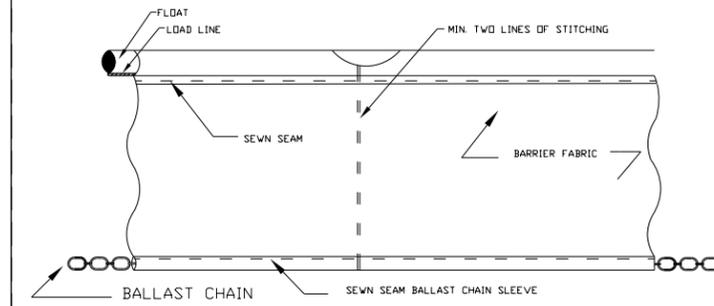
TYPICAL COMPONENTS / ANCHORAGE SYSTEM



TYPICAL PLAN VIEW

Maximum flow for waterbody shall be less than 5fps.
Isolated work area shall not exceed more than 1/3 stream width.
Silt curtain shall be placed parallel to stream flow.

FLOATING SILT CURTAIN - PANEL CONNECTORS



GROMMETED HOLES WITH ROPE LACING

REFERENCE Project	Designed _____ Date _____
Checked _____ Date _____	Approved _____ Date _____



STANDARD DWG. NO. IL-630
SHEET 1 OF 2
DATE 8-18-94

REFERENCE Project	Designed _____ Date _____
Checked _____ Date _____	Approved _____ Date _____



STANDARD DWG. NO. IL-630
SHEET 2 OF 2
DATE 8-18-94

REFERENCE Project	Designed _____ Date _____
Checked _____ Date _____	Approved _____ Date _____



STANDARD DWG. NO. IUM-617A
SHEET 1 OF 1
DATE 1-06-2012

REFERENCE Project	Designed _____ Date _____
Checked _____ Date _____	Approved _____ Date _____



STANDARD DWG. NO. IUM-617B
SHEET 1 OF 1
DATE 1-6-2012

NOTES

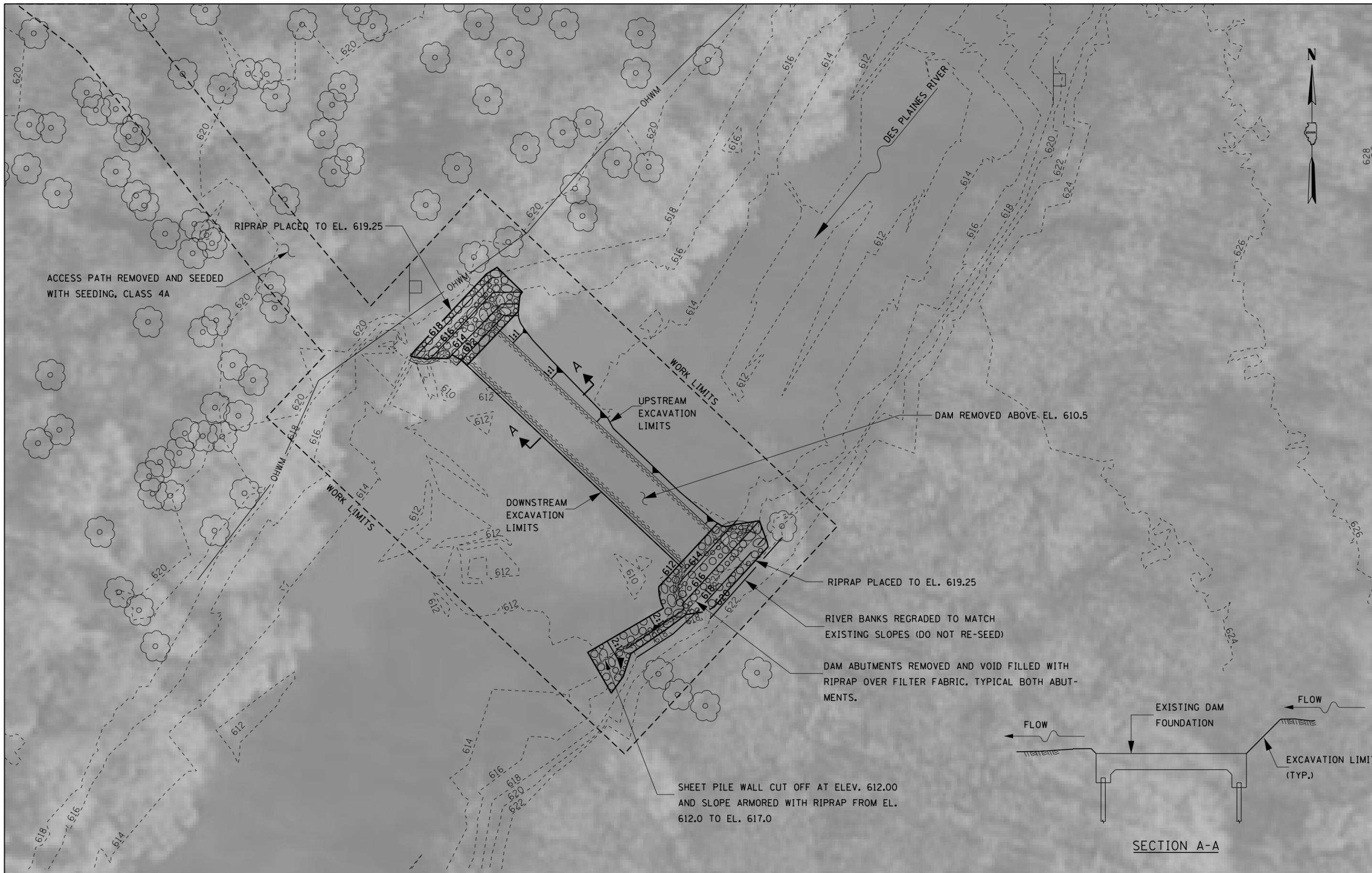
1. THE CURTAIN SHALL BE SUPPLIED, INSTALLED AND MAINTAINED IN ACCORDANCE WITH CODE 917 OF THE ILLINOIS URBAN MANUAL STANDARD PRACTICE.
2. THE TYPE OF CURTAIN USED SHALL BE A TYPE III RATED FOR MODERATE CURRENT AND MODERATE WIND AND WAVE ACTION. THE CURTAIN DEPTH SHALL BE 10% GREATER THAN THE 2 YEAR STORM EVENT. CONTRACTOR SHALL DETERMINE DEPTH OF CURTAIN.
3. FILTER FABRIC SHOWN ON THIS SHEET SHALL NOT BE MEASURED FOR PAYMENT. THE COST SHALL BE INCLUDED IN AGGREGATE FOR TEMPORARY ACCESS.

3/4/2021	DESIGNED - NA	REVISED
10:59:07 AM	DRAWN - NA	REVISED
G:\0w\Proj\Imp\Projects\Des Plaines River Dam 4\Plans\Erosion Control Details.dgn	CHECKED - NA	REVISED
2.0000' / in.	DATE - 2-11-20	REVISED

STATE OF ILLINOIS
DEPARTMENT OF NATURAL RESOURCES
OFFICE OF WATER RESOURCES

DES PLAINES RIVER DAM 4 REMOVAL
EROSION CONTROL DETAILS

COUNTY	TOTAL SHEETS	SHEET NO.
COOK	13	9
PROJECT FR-438		



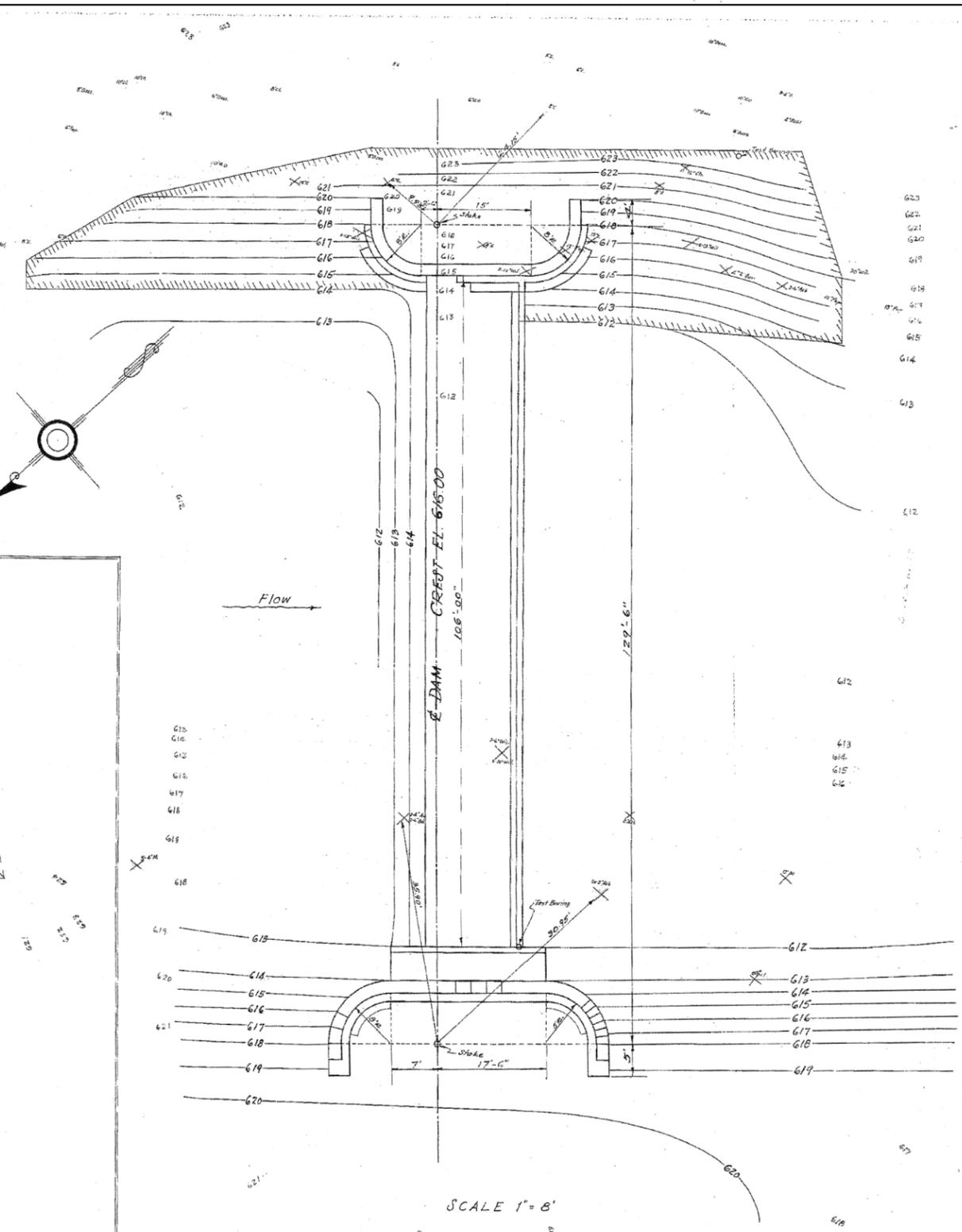
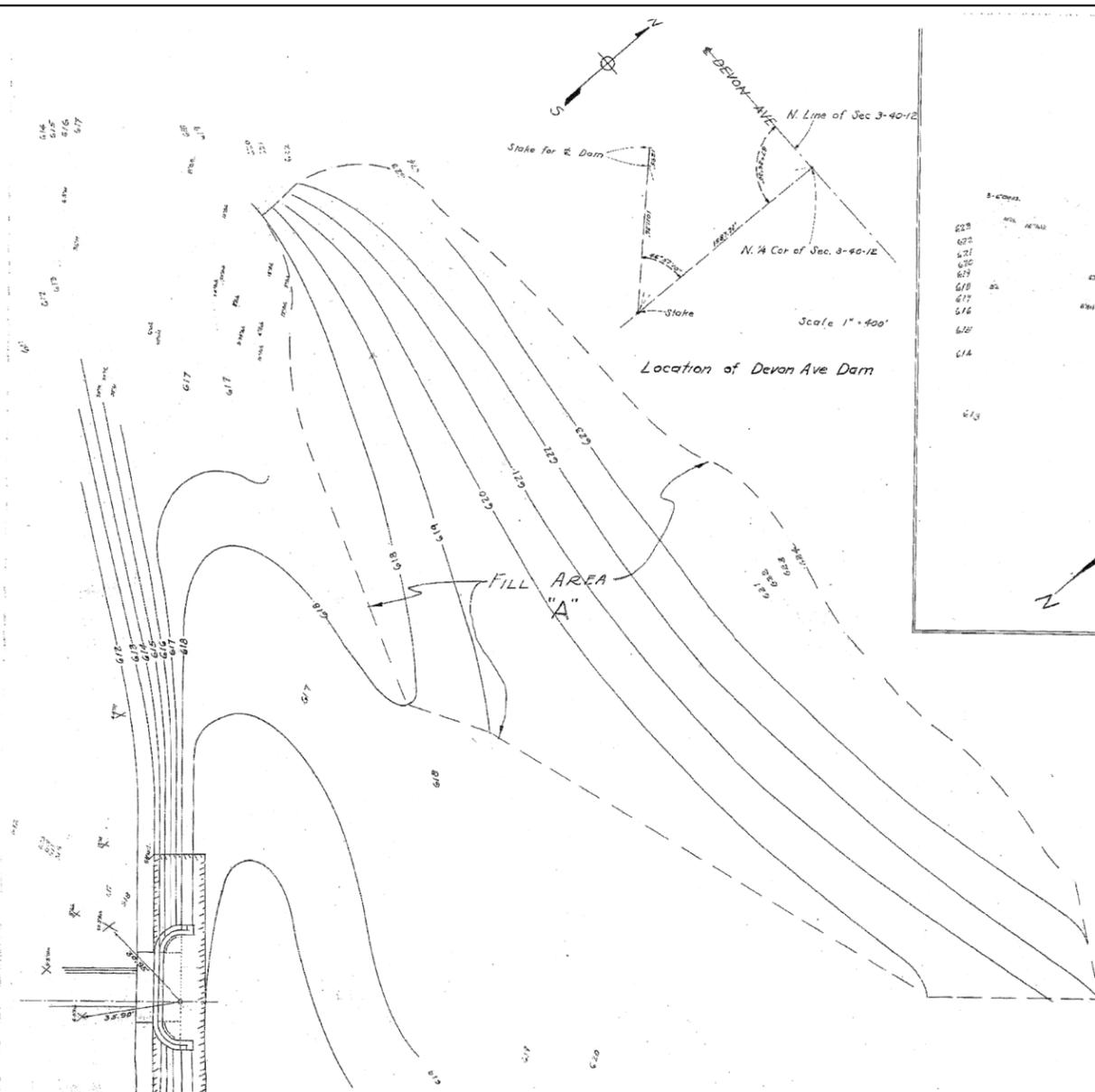
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30.0000' / in.	DATE - 2-11-20	REVISED	-

DESIGNED - TMM	REVISED	-
DRAWN - JJF	REVISED	-
CHECKED - RLP	REVISED	-
DATE - 2-11-20	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF NATURAL RESOURCES
OFFICE OF WATER RESOURCES

DES PLAINES RIVER DAM 4 REMOVAL
POST CONSTRUCTION SITE PLAN

COUNTY	TOTAL SHEETS	SHEET NO.
COOK	13	10
PROJECT FR-438		



DES PLAINES RIVER DAMS
 UNDER CONSTRUCTION BY
STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
DIVISION OF WATERWAYS
 COOPERATING WITH
FOREST PRESERVE DISTRICT
OF COOK COUNTY

SIGN DETAILS

TABULATION OF QUANTITIES
(APPROXIMATE)

ITEM NO.	DESCRIPTION	UNIT	DEVON AVE
1	COFFERDAM	LUMP SUM	22 00
2	EXCAVATION	CU. YD.	22 00
3	PORTLAND CEMENT	BBL.	570
4	REINFORCING STEEL	L.B.	5400
5	REINFORCED CONCRETE	CU. YD.	380
6	BOAT ROLLERS	LUMP SUM	
7	SODDING	SQ. YD.	450
8	STEEL SHEET PILING	SQ. FT.	5450

GENERAL NOTES:
 For General Location of Dam See Sheet No. 1.
 For Proposed Low Water Levels See Sheet No. 2.
 For Details See: Sheets No. 4 & No. 5.
 For Details of Sign Layout See Sheet No. 3.

LEGEND

- CONTOURS OF EXISTING GROUND SURFACE
- CONTOURS OF PROPOSED GROUND SURFACE
- INDICATES TREES TO BE REMOVED
- INDICATES LIMITS OF SODDING

STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
DIVISION OF WATERWAYS
DEVON AVENUE DAM #4
DES PLAINES RIVER-COOK COUNTY, ILL.
LOCATION & GRADING PLAN
 DATE: 7-28-02
 DRAWN BY: SUBMITTED
 SCALE: 1" = 8'
 727-15

3/3/2021
 11:42:19 AM
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 23.0000 / in.

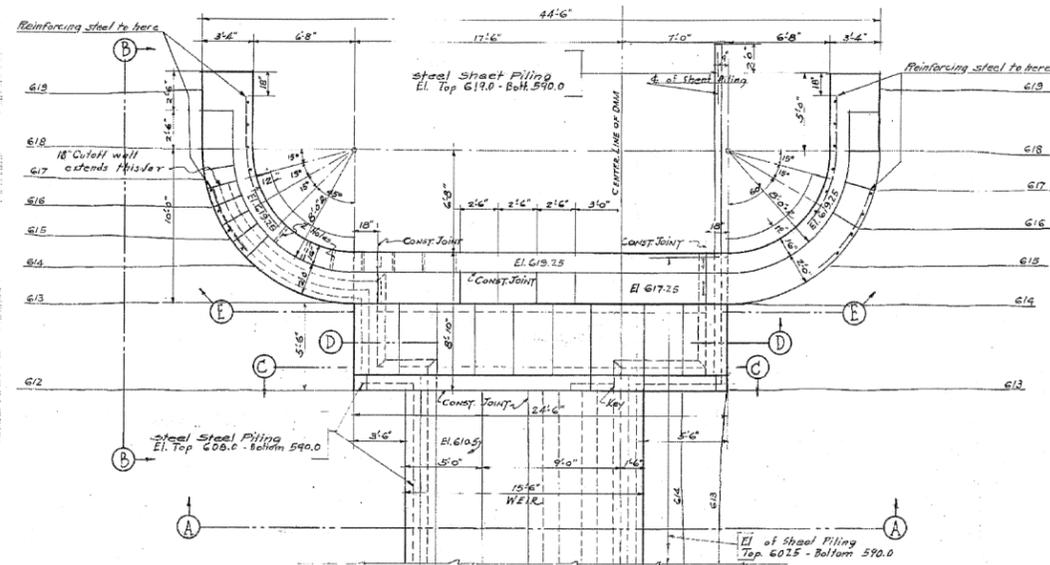
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 CHECKED - NA REVIS
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STATE OF ILLINOIS
DEPARTMENT OF NATURAL RESOURCES
OFFICE OF WATER RESOURCES

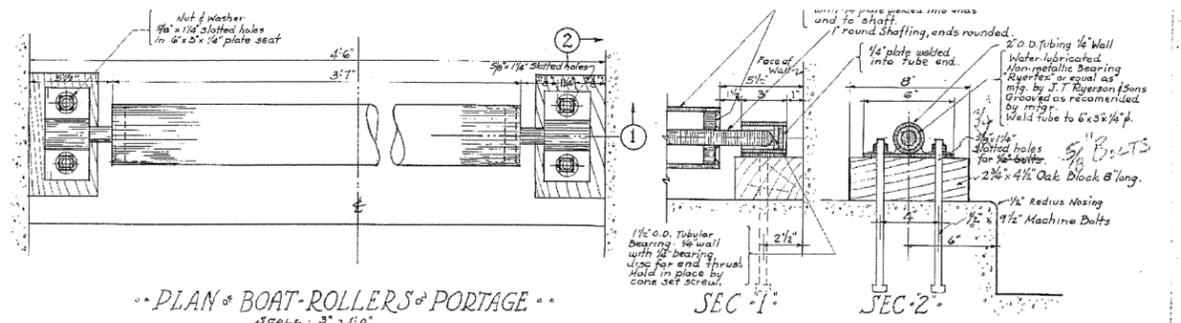
DES PLAINES RIVER DAM #4
DEVON AVENUE DAM EXISTING REFERENCE PLANS 1

COUNTY	TOTAL SHEETS	SHEET NO.
COOK	13	11

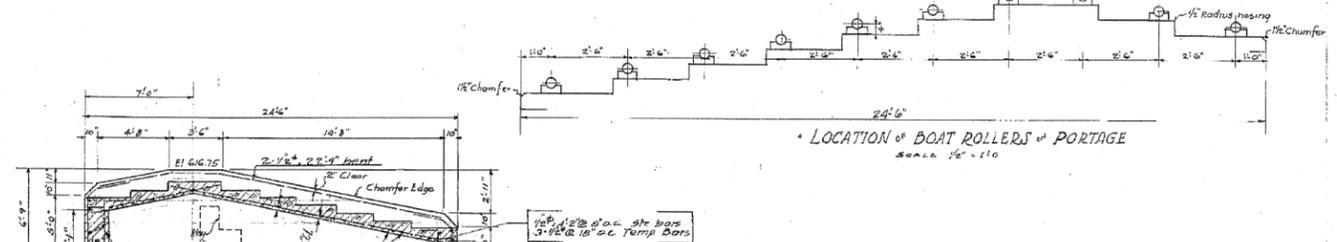
PROJECT FR-438



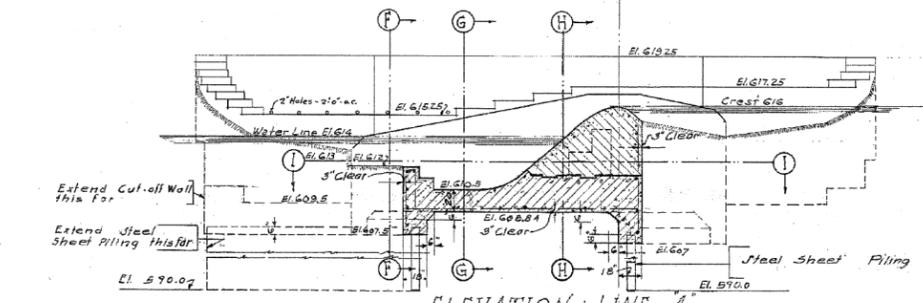
PLAN of ABUTMENT and BOAT-PORTAGE
SCALE 3/4"=1'-0"



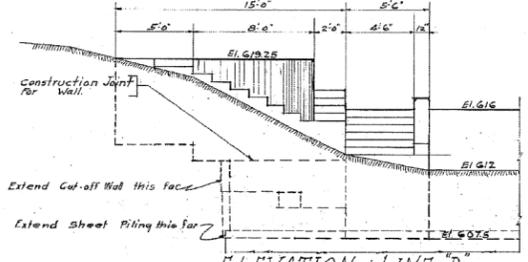
PLAN of BOAT-ROLLERS and PORTAGE
SCALE 3"=1'-0"



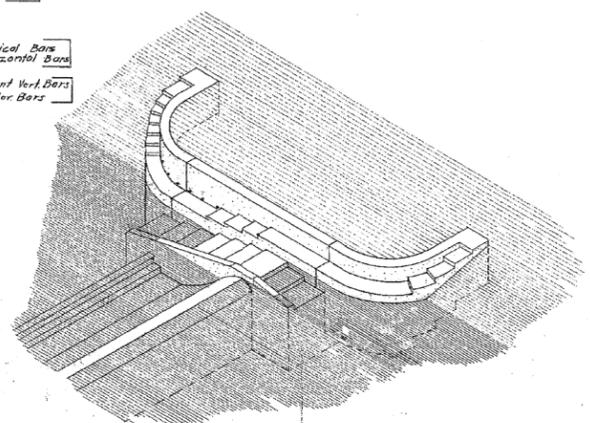
ELEVATION of WALL of BOAT-PORTAGE - C
SCALE 2"=1'-0"



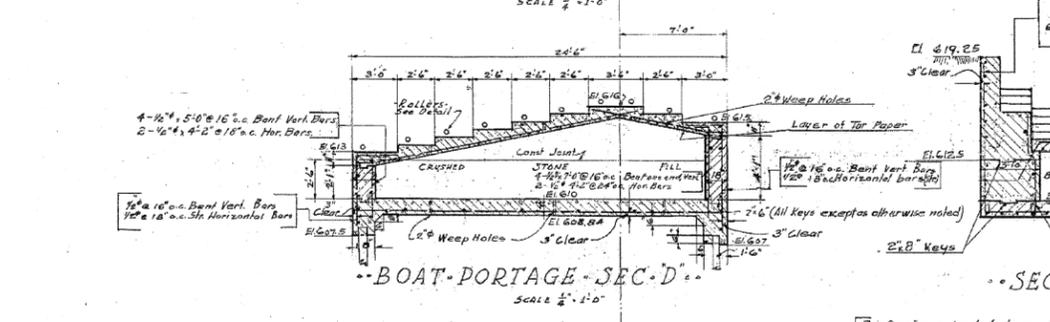
ELEVATION of LINE A
SCALE 1/2"=1'-0"



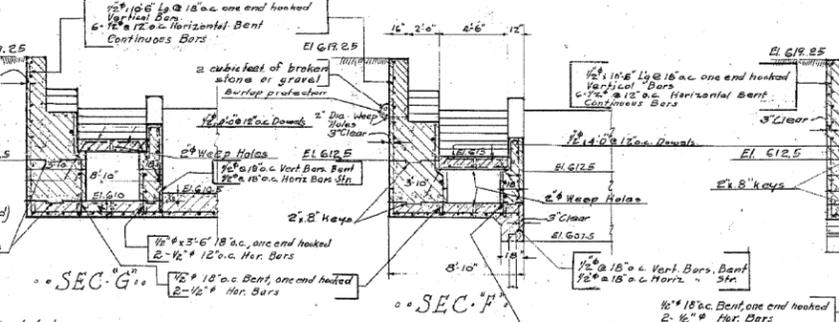
ELEVATION of LINE B
SCALE 2"=1'-0"



ISOMETRIC VIEW

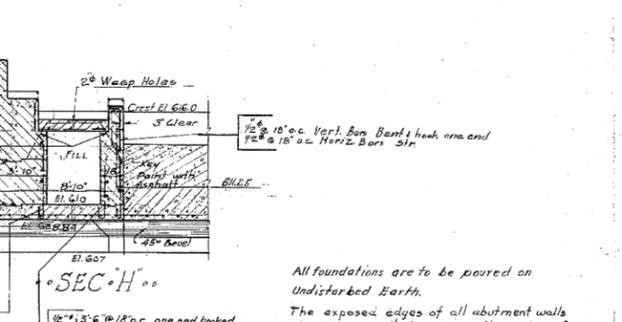


BOAT-PORTAGE - SEC. D
SCALE 1/2"=1'-0"

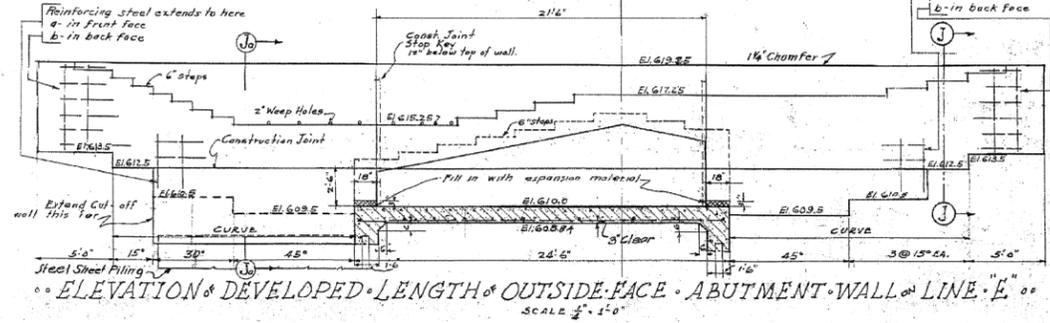


SEC. G

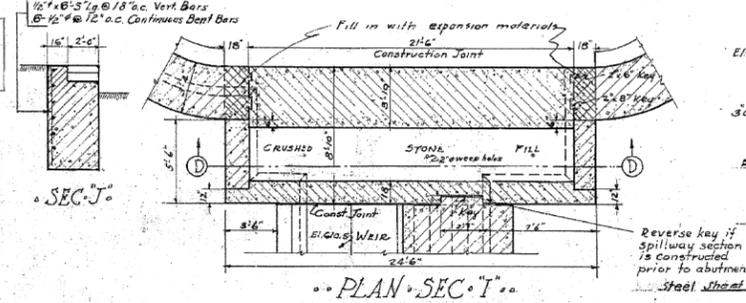
SEC. F



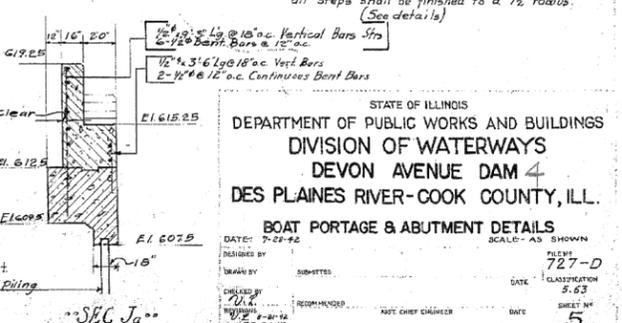
SEC. H



ELEVATION of DEVELOPED LENGTH of OUTSIDE-FACE of ABUTMENT WALL of LINE E
SCALE 1/2"=1'-0"



PLAN of SEC. T



SEC. J

All foundations are to be poured on undisturbed earth.
The exposed edges of all abutment walls shall have a 1/4" chamfer and the nosing of all steps shall be finished to a 1/2" radius. (See details.)

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
DIVISION OF WATERWAYS
DEVON AVENUE DAM 4
DES PLAINES RIVER-COOK COUNTY, ILL.
BOAT PORTAGE & ABUTMENT DETAILS
DATE: 7-23-42
DESIGNED BY: NA
DRAWN BY: NA
CHECKED BY: NA
REVISIONS: 1
SCALE: AS SHOWN
SHEET NO. 5

3/3/2021 11:44:37 AM D:\OrProj\proj\Projects\Des Plaines River Dam 4\Plans\Devon Avenue Dam Existing Reference Plans 3.dgn 12.0000 / in.	DESIGNED - NA DRAWN - NA CHECKED - NA DATE - 2-11-20	REVISED REVISED REVISED REVISED	STATE OF ILLINOIS DEPARTMENT OF NATURAL RESOURCES OFFICE OF WATER RESOURCES	DES PLAINES RIVER DAM 4 DEVON AVENUE DAM EXISTING REFERENCE PLANS 3	COUNTY TOTAL SHEETS SHEET NO. COOK 13 13 PROJECT FR-438
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