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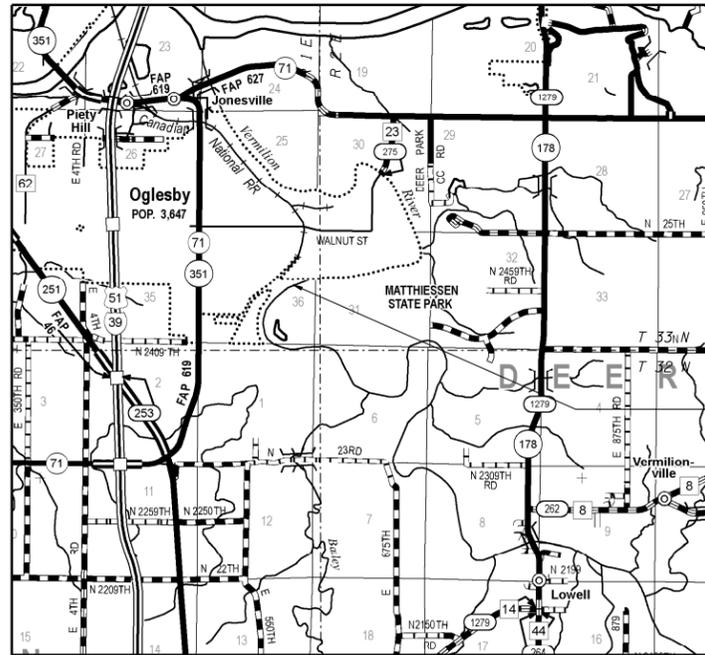
STATE OF ILLINOIS
DEPARTMENT OF NATURAL RESOURCES
OFFICE OF WATER RESOURCES
VERMILION RIVER
DAM SCOUR REPAIR
OGLESBY, ILLINOIS
LA SALLE COUNTY
FR-429
2010



La Salle County

REGIONAL MAP

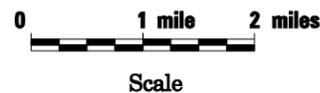
R. 1 E.



T. 88 N.

Project Location

LOCATION MAP



Ted M. Montrey 12/15/10
 ILLINOIS REGISTERED STRUCTURAL ENGINEER NO. 081-005450
 LICENSE EXPIRES 11-30-2012

Ted M. Montrey 12/15/10
 ILLINOIS REGISTERED PROFESSIONAL ENGINEER NO. 062-049591
 LICENSE EXPIRES 11-30-2011

SUBMITTED BY *William J. Schuck* DATE *12/15/10*
 MANAGER, DIVISION OF PROJECT IMPLEMENTATION
 APPROVED BY *Dary B. Clark* DATE *12/15/2010*
 DIRECTOR

SUMMARY OF QUANTITIES			
CODE NO.	PAY ITEM	UNIT	QUANTITY
*67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	2
67100100	MOBILIZATION	L SUM	1
*	PRECAST CONCRETE BLOCKS	EACH	245
*	DAM REINFORCEMENT BAR REMOVAL	EACH	30

* INDICATES NON-STANDARD ITEM COVERED BY SPECIAL PROVISION

GENERAL NOTES

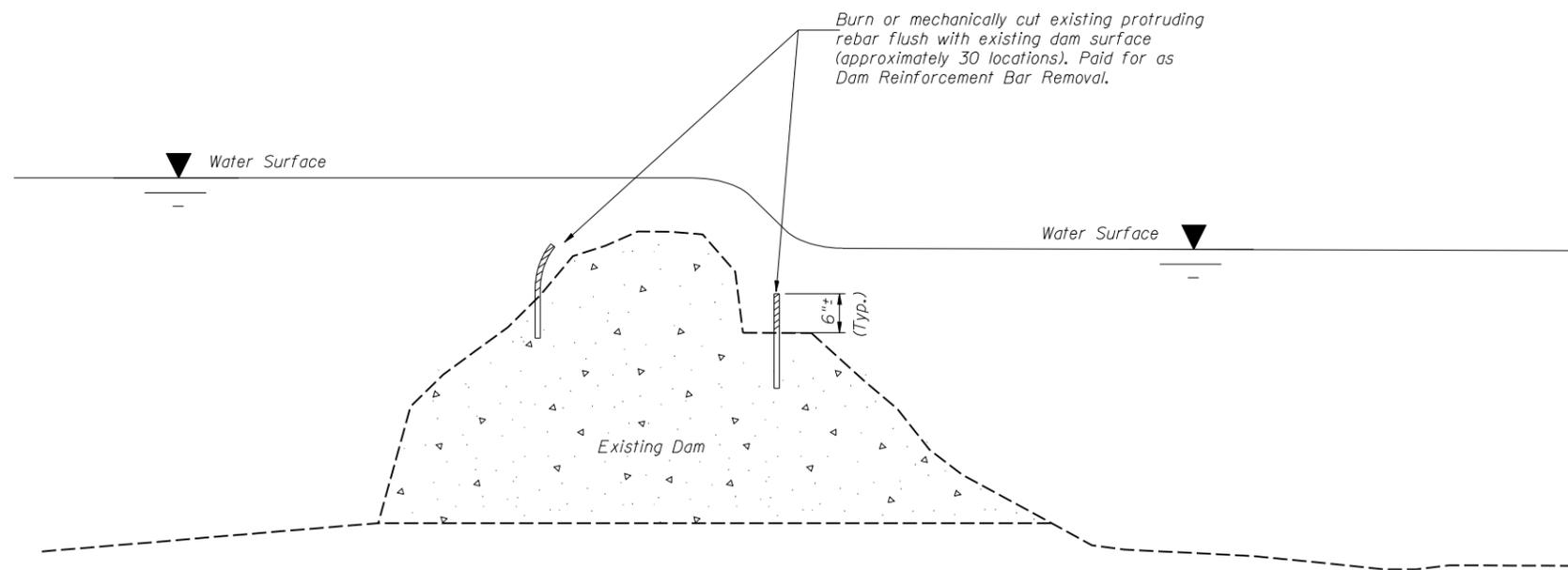
- All elevations refer to NAD 83 (1997) NAVD88 East Zone.
- The Contractor is reminded to protect and restore at his expense, in accordance with Article 107.20 of the Standard Specifications, any private or public property, including access roads, which may be damaged or destroyed due to construction operations.
- Plan dimensions and details relative to the existing structures have been taken from existing plans and/or past surveys and reports, 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 for additional compensation for a change in the scope of the work; however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- Prior to beginning any work, the Contractor shall locate all existing utilities within the work limits.
- The Contractor shall exercise extreme care during construction operations to avoid damage to existing facilities designated to remain in place. Any damage to the existing facilities not indicated to be removed shall be repaired by the Contractor to the satisfaction of the Engineer at no additional cost to the Illinois Department of Natural Resources.
- Entrance to the site with construction vehicles and equipment and delivery of materials shall be prearranged with the involved property owner, particularly with Buzzi Unicem USA. There may be weight and size limits of vehicles and equipment using roadways to enter the work area. The Contractor's submission of bid for the work indicates that he has fully determined means and methods for gaining access to the site for delivering materials and completing work. No additional compensation will be allowed due to site constraints.
- The Contractor is responsible for jobsite safety at all times. It shall be the Contractor's sole responsibility to construct all items on these plans using construction means and methods that will protect property at all times and prevent bodily injury and/or death. The Contractor shall comply with all governmental requirements relative to safety.

PROPERTY OWNERS

The project will be constructed entirely on property owned by Buzzi Unicem USA. Site inspection is permitted by appointment only.

Primary contact person:
Steve Gabrielse
Office: (815) 883-8431 Ext. 131 or Ext. 124
E-mail: Steven.Gabrielse@buzziunicemusa.com

Secondary contact person:
Jill Sapp
Office: (815) 883-8431 Ext. 114



DAM REINFORCING BAR REMOVAL DETAIL

Designed By: GMS Checked By: JJF
 Drawn By: JJF Checked By: TMM
 12/15/2010 4:37:35 PM O:\Dwr\Proj\Imp\Projects\Vermlion\Summary of Quantities and General Notes.dgn

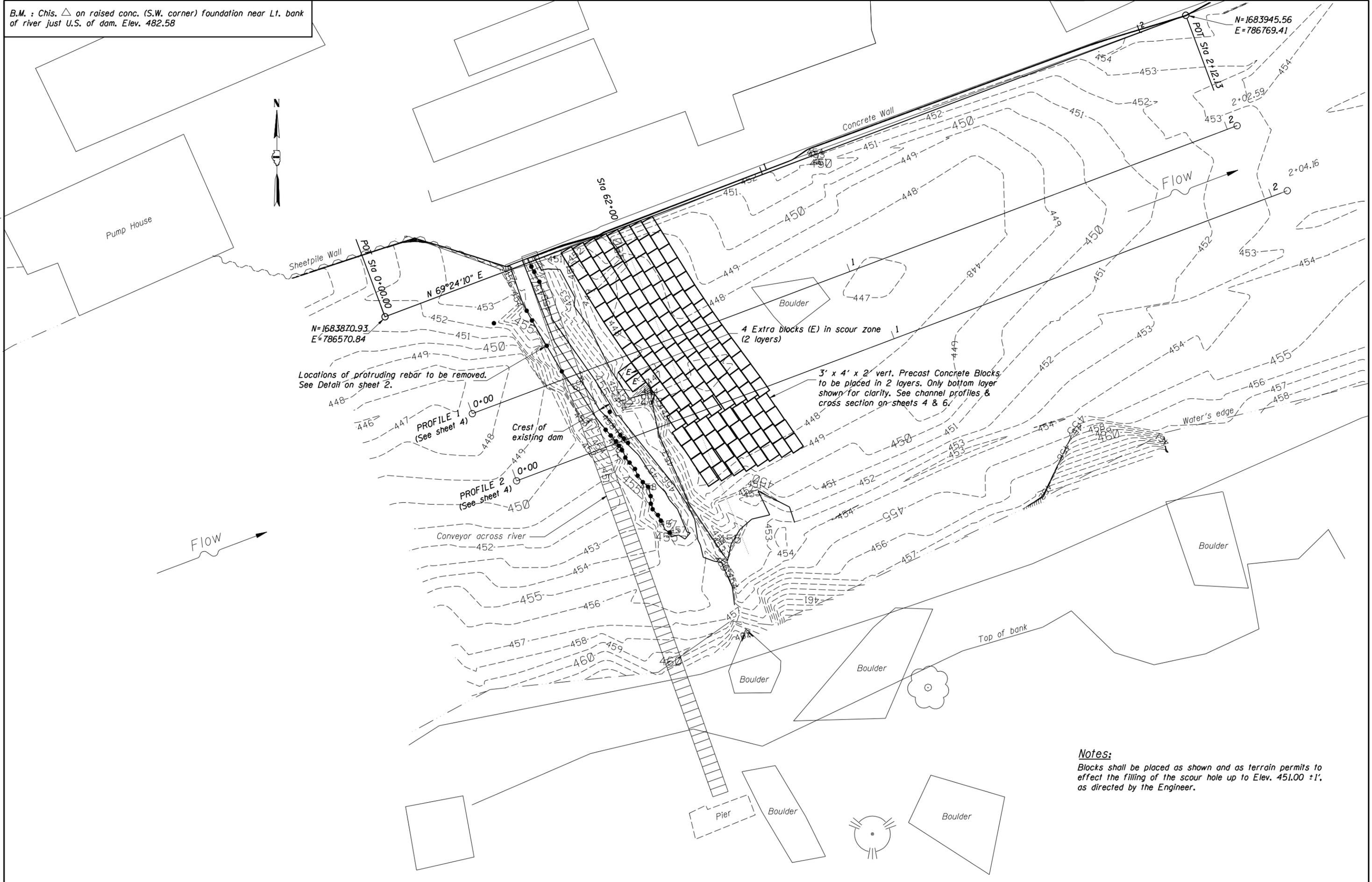
B.M. : Chis. \triangle on raised conc. (S.W. corner) foundation near Lt. bank of river just U.S. of dam. Elev. 482.58

C:\Dwr\Proj\Imp\Projects\Vermon\Dam Scour Repair Plan.dgn

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12/15/2010

Designed By Checked By JJF
Drawn By JJF Checked By TMM



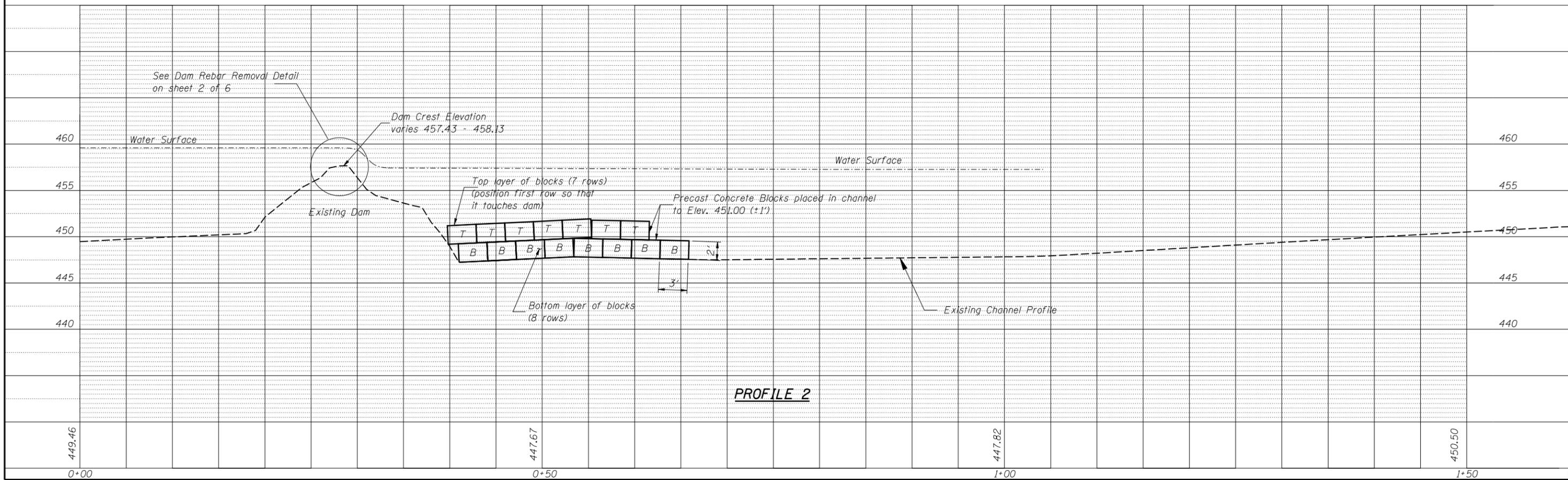
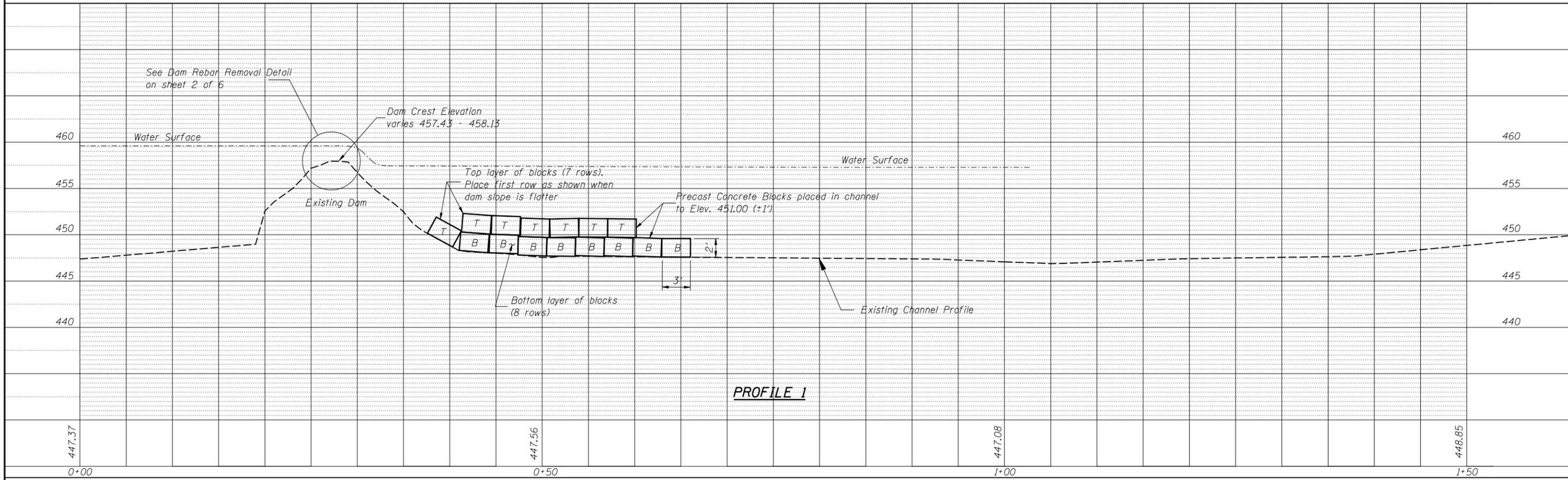
3' x 4' x 2' vert. Precast Concrete Blocks to be placed in 2 layers. Only bottom layer shown for clarity. See channel profiles & cross section on sheets 4 & 6.

Notes:
Blocks shall be placed as shown and as terrain permits to effect the filling of the scour hole up to Elev. 451.00 ±1', as directed by the Engineer.

C:\Dnr\Proj\mpl\Projects\Vermlion\Channel_Profiles.dgn

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Designed By Checked By JJF
Drawn By JJF Checked By TMM



NOTES

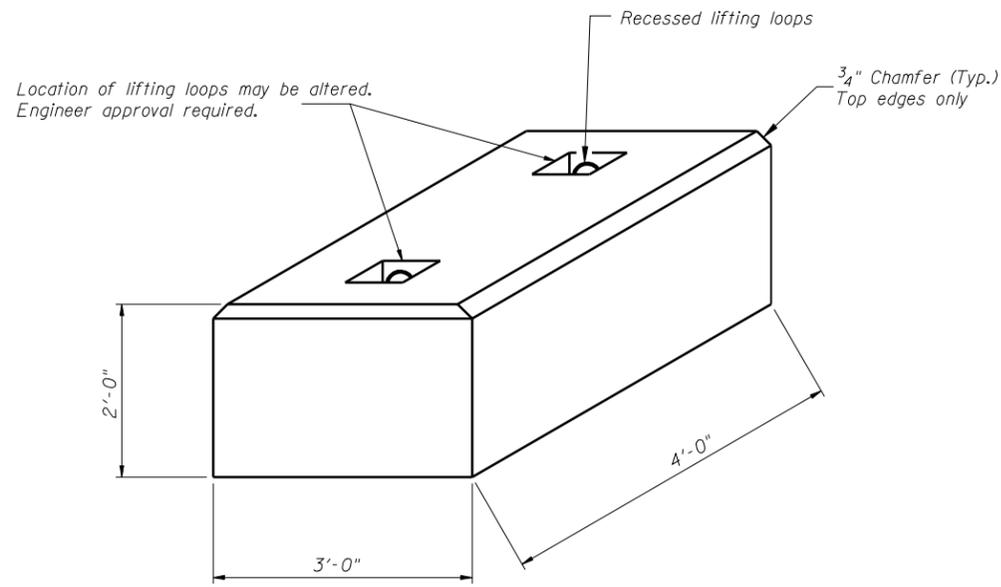
Lifting loops shall be #4 epoxy coated reinforcing bars and shall conform to the requirements of ASTM A706, Grade 60. Cost included in Precast Concrete Blocks.

Design Stresses (Precast Concrete Blocks)
 $f'c = 3,500$ psi (28 day min. compressive strength)

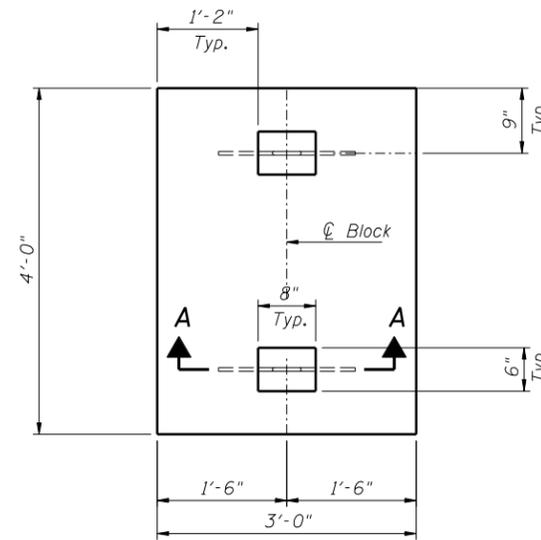
The Precast Concrete Blocks shall remain on the bottom supporting forms until the concrete has attained a compressive strength of not less than 2,000 psi.

Precast Concrete Blocks to be unreinforced.

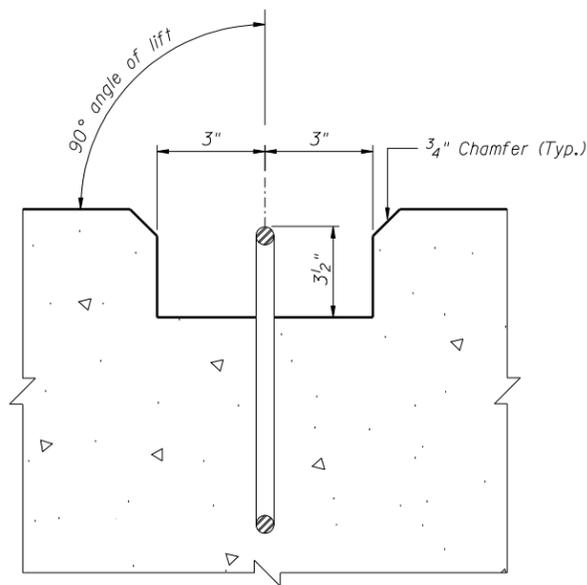
Spreader bar shall be used for pickup of blocks.



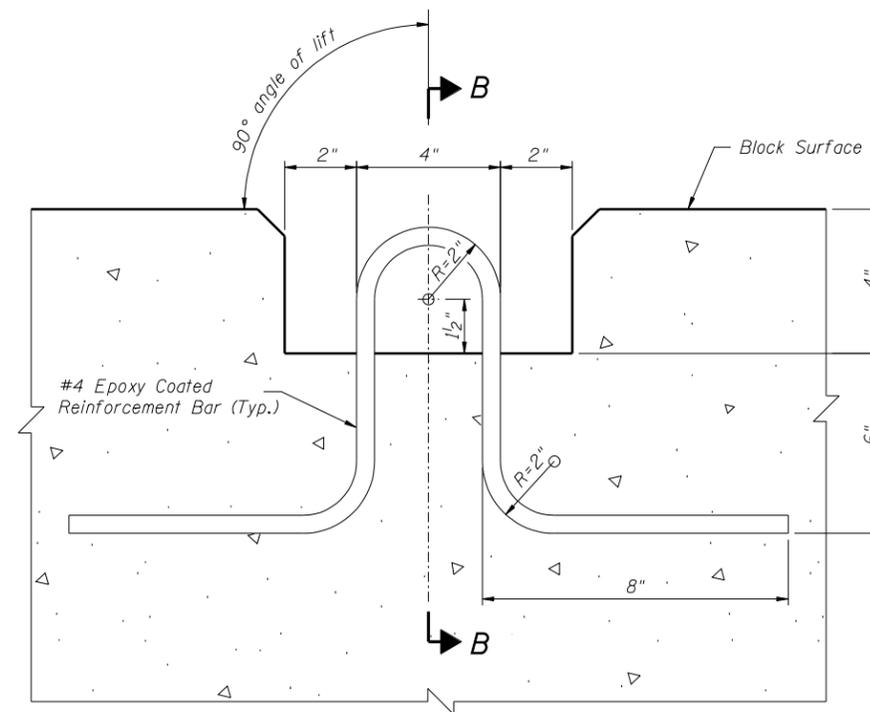
ISOMETRIC VIEW



PLAN



SECTION B-B



SECTION A-A

BILL OF MATERIAL

Precast Concrete Blocks	Each	245
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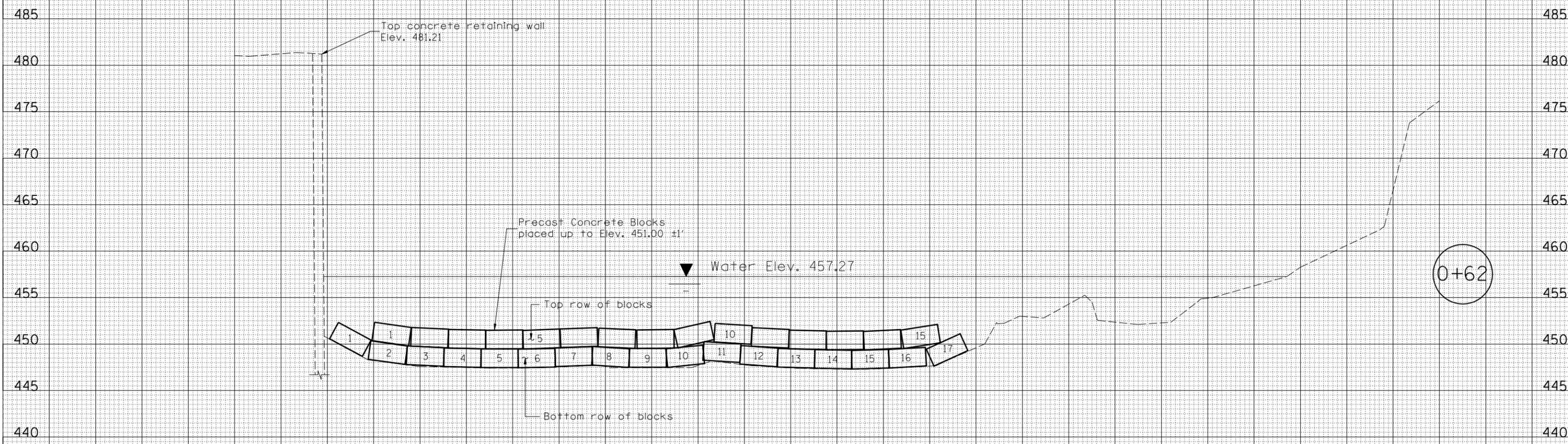
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Designed By: GMS Checked By: JJF
Drawn By: JJF Checked By: TMM

10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120



Top concrete retaining wall
Elev. 481.21

Precast Concrete Blocks
placed up to Elev. 451.00 ±1'

▼ Water Elev. 457.27

Top row of blocks

Bottom row of blocks

0+62

10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120

DESIGNED BY: GMS
DRAWN BY: JFJ

CHECKED BY: JFJ
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12/15/2010

CHECKED BY: TMM

CHECKED BY: JFJ

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