



STATE OF NEW YORK
OFFICE OF GENERAL SERVICES
DESIGN AND CONSTRUCTION GROUP
THE GOVERNOR NELSON A. ROCKEFELLER
EMPIRE STATE PLAZA
ALBANY, NY 12242



ADDENDUM NO. 1 TO PROJECT NO. 43307

**CONSTRUCTION WORK
MARCELL ROTH DAM REHABILITATION
PHASE III DESIGN AND CONSTRUCTION
TOWN OF KENT
PUTNAM COUNTY, NY**

July 2, 2013

NOTE: This Addendum forms a part of the Contract Documents. Insert it in the Project Manual. Acknowledge receipt of this Addendum in the space provided on the Bid Form.

CD FILE ERROR

1. The Contract Document CD (Disk 1 of 1) is missing Sheet 4 of 12 under the Contract Drawings folder. Drawing 43307-C-C-103.TIF was mistakenly omitted.

TABLE OF CONTENTS

2. Page 000110-3, Add the Following Title to the Appendix:
“Permit Conditions”

SPECIFICATION GROUP

3. Page 033000-5, Article 2.01, Add the Following Paragraph:
“L. Low Flow Penetrations: Schedule 40 PVC pipe to the size and dimensions shown on the Contract Drawings.
 1. The pipe penetrations shall be located as shown on the Contract Drawings.”
4. Page 055000 – 2, Change Paragraph 1.04 B. to Read:
“B. At least 4 weeks prior to the planned start date, submit shop drawings showing the dimensions of the railings, railing extent, base plate, and connection details required to complete the work.”
5. Page 055000 – 3, Paragraph 2.01 B.5: Delete this paragraph in its entirety.

6. Page 055000 – 4, Paragraph 2.03 A:
Replace 20 gauge with 12 gauge metal decking.
7. Page 055000 – 4, Change Paragraph 2.03 C. to Read:
“C. Metal decking should be fastened to framing with stainless steel self-tapping sheet metal screws installed at each rib contact.”
8. Page 055000 – 4, Change Paragraph 2.03 D. to Read:
“D. Framing shall be connected to concrete walls with stainless steel Hilti brand wedge-anchors as indicated on the design plans.”
9. Page 220523 – 2, Change Paragraph 2.02 A. to Read:
“A. The slide gate shall be a 900 Series Stainless Steel Gate as manufactured by Whipps, Inc. of Athol, Massachusetts, or an approved equal, meeting the requirements of the American Water Works Association (AWWA) Standard for Fabricated Stainless Steel Slide Gates (ANSI/AWWA C561-04 latest edition). This standard provides the minimum requirements for the slide gate valve, including materials, general design, manufacture, testing, inspection, and shipment.”
10. Page 220523-2, Article 2.02, Add the Following Paragraphs:
“E. The slide gate handle support shall be constructed of stainless steel. Aluminum pedestals are not acceptable.
 1. The support height shall be such that the handwheel or pinion shaft on the crank-operated gearbox is located approximately 36 inches above the concrete spillway.
 2. Wall brackets shall be used to support floor stands where shown on the Contract Drawings and shall be constructed of stainless steel.
 3. Wall brackets shall be reinforced to withstand compression at least two times the rated output of the operator with a 40-lb effort on the crank or handwheel.
 4. The design and detail of the brackets and anchor bolts shall be provided by the gate manufacturer and shall be approved by the Engineer. The gate manufacturer shall supply the bracket, anchor bolts, and accessories as part of the gate assembly.F. All slide gate accessories shall be standard products provided by the manufacturer.”
11. Page 315200-1, Change Paragraph 1.01.F. to Read:
“F. Prior to removal of the dewatering structure, the water level should be equalized on both sides of the structure, with the structure remaining in place for a minimum of 3 weeks to allow for monitoring of the downstream portion of the dam. If issues arise during this monitoring period, the dewatering structure shall be re-established.”

APPENDIX

12. Appendix Addendum:

- a. A section titled “Permit Conditions” has been added to the Appendix. It includes a list of anticipated conditions that must be strictly followed for all activities upon issuance of the final permit(s).

DRAWINGS

- 13. Addendum Drawing:
 - a. Drawing No. C-103 (Sheet 4 of 12) has been added to the Contract Drawings. It was mistakenly omitted from the original drawing package.
- 14. Revised Drawing:
 - a. Drawing No. D-501 (Sheet 5 of 12), noted “REVISED DRAWING 7/2/2013” accompanies this Addendum and supersedes the same numbered originally issued drawing.
 - 1. Section 2/3/5, Section 3/3/5, and Section 4/5/5: The turf reinforcement mat has been moved beneath the topsoil layer.
- 15. Revised Drawing:
 - a. Drawing No. D-502 (Sheet 6 of 12), noted “REVISED DRAWING 7/2/2013” accompanies this Addendum and supersedes the same numbered originally issued drawing.
 - 1. Section 3/3/6 and Section 5/3/6: The turf reinforcement mat has been moved beneath the topsoil layer.
- 16. Revised Drawing:
 - a. Drawing No. D-505 (Sheet 9 of 12), noted “REVISED DRAWING 7/2/2013” accompanies this Addendum and supersedes the same numbered originally issued drawing.
 - 1. Detail 4/4/9, Section 5/9/9, and Section 6/9/9: 2-inch diameter Schedule 40 low flow penetration pipes have been added to the spillway inlet extension.
- 17. Revised Drawing:
 - a. Drawing No. D-506 (Sheet 10 of 12), noted “REVISED DRAWING 7/2/2013” accompanies this Addendum and supersedes the same numbered originally issued drawing.
 - 1. Detail 2/4/10, Section 4/4/10, and Section 7/10/10: The lid has been revised from 20 gauge to 12 gauge metal decking.
- 18. Revised Drawing:
 - a. Drawing No. D-507 (Sheet 11 of 12), noted “REVISED DRAWING 7/2/2013” accompanies this Addendum and supersedes the same numbered originally issued drawing.
 - 1. Section 5/11/11: The lid has been revised from 20 gauge to 12 gauge metal decking.

END OF ADDENDUM

James Dirolf, P.E.
Director of Design

Project Name: Marcel Roth Lake Dam Rehabilitation
Location: California Hill State Forest, Town of Kent, Putnam County
Project ID#: 43307

PERMIT CONDITIONS

The final permit(s) for the Marcell Roth Dam Rehabilitation Project have not yet been issued. The following is a list of anticipated conditions that must be followed for all activities authorized by the permit:

Erosion Control - Necessary erosion control measures, i.e., straw bales, silt fencing, etc., are to be placed on the downslope edge of any disturbed area. This sediment barrier is to be put in place before any disturbance of the ground occurs and is to be maintained in good and functional condition until thick vegetative cover is established.

Drawdown - Before construction begins, Waywayanda Lake shall be drawn down to an elevation of 915.6 feet. Drawdown or dewatering of the impoundment area shall be done gradually and in a manner which does not cause a visible increase in turbidity downstream nor cause a loss of fish life unless written authorization by the Department is granted pursuant to Section 11-1321.5 of the Environmental Conservation Law.

Maintain Water Flow During Work - During periods of work activity, sufficient flow of water shall be maintained in the outlet stream at all times by means of pump or siphon, to sustain aquatic life downstream. Discharge must be controlled to avoid scour and erosion.

Temporary Cofferd Dam - Prior to commencing work in the lake, the permittee shall install a cofferdam of non-erodible, easily removed material to isolate the work area from the rest of the lake. Examples would be sand bags wrapped in an impermeable membrane, concrete block, or commercially available PortaDam. All fish trapped within the cofferdam during the dewatering process shall be returned, alive and unharmed, to the water outside the confines of the cofferdam.

No Turbidity from Dewatering - Water within the cofferdam shall be pumped out. No turbid water resulting from dewatering operations shall be discharged directly to or allowed to enter any stream or wetland. Such water shall be pumped to settling basins or to an upland vegetated area prior to any discharge to any stream or wetland. All other necessary measures shall be implemented to prevent any visible increase in turbidity or sedimentation downstream of the work site.

Concrete Leachate - During construction, no wet or fresh concrete or leachate shall be allowed to escape into any wetlands or waters of New York State, nor shall washings from ready-mixed concrete trucks, mixers, or other devices be allowed to enter any wetland or waters. Only watertight or waterproof forms shall be used. Wet concrete shall not be poured to displace water within the forms.

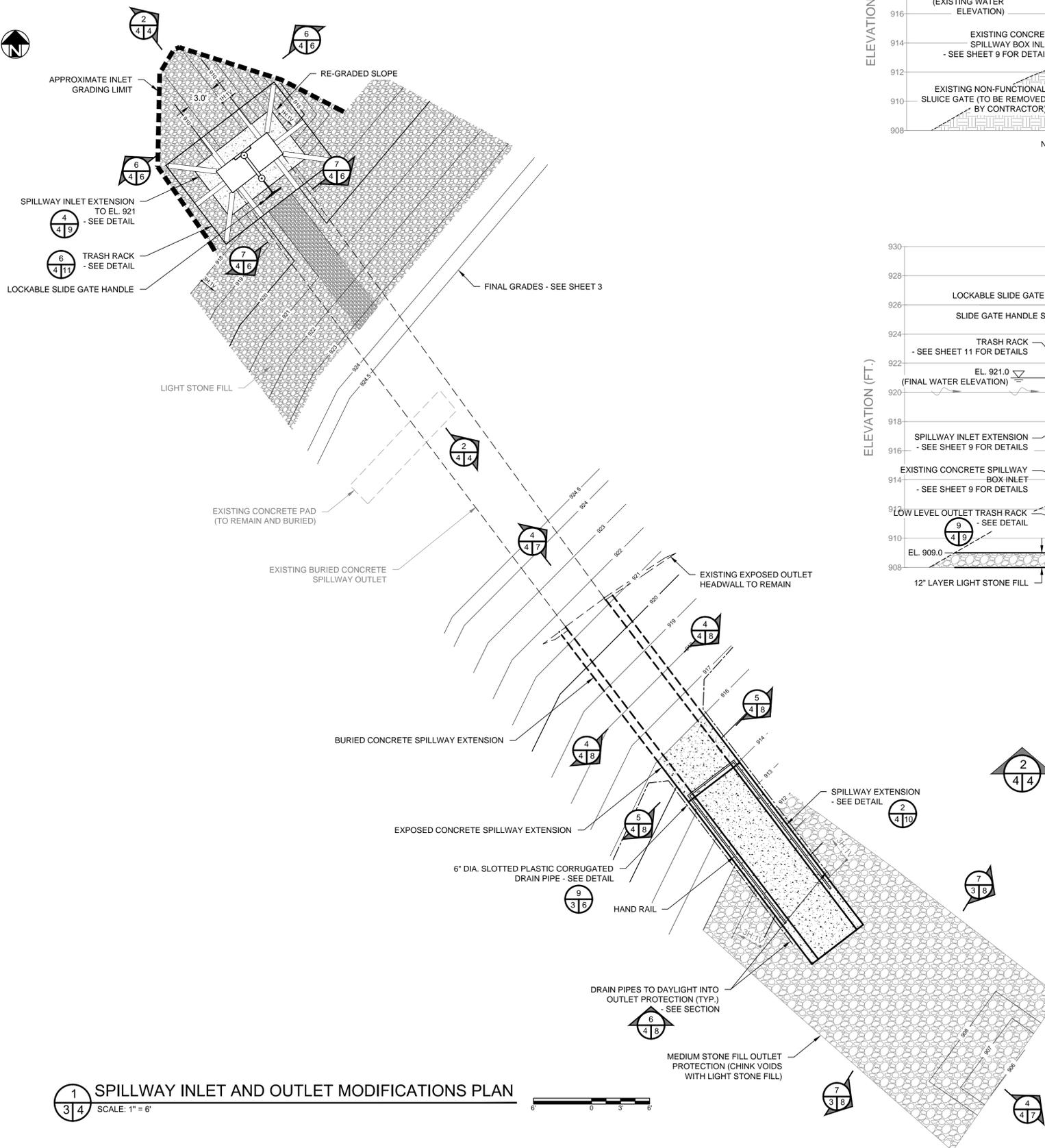
Clean Fill Only - All fill material utilized for this project shall consist of uncontaminated earthen materials only. Acceptable fill materials include gravel, rock, overburden, topsoil and similar natural mineral resources.

Re-filling the Impoundment - Waywayanda Lake will be allowed to begin to refill to former 921.0 foot elevation at conclusion of work or as further established herein by Dam Safety conditions. Re-filling of the impoundment following construction shall be done gradually and in a manner which provides sufficient flow of water downstream at all times to sustain fish and other aquatic life.

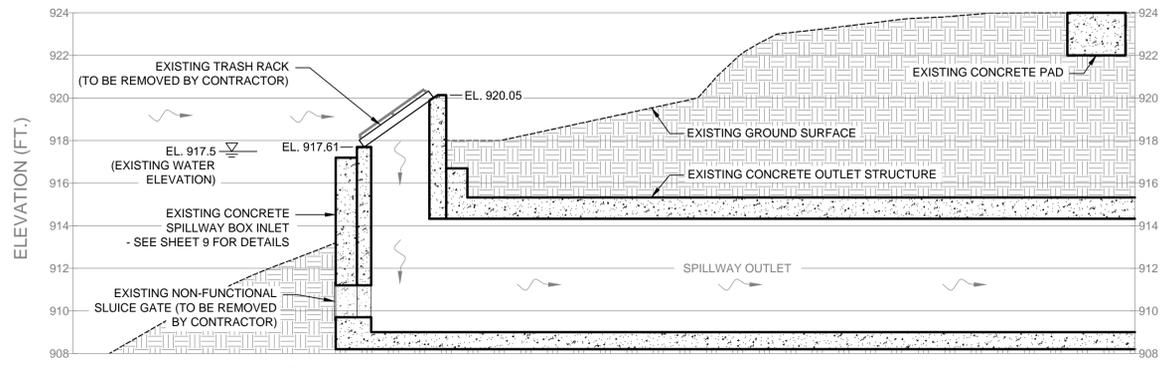
Precautions Against Contamination of Waters - All necessary precautions shall be taken to preclude contamination of any wetland or waterway by suspended solids, sediments, fuels, solvents, lubricants, epoxy coatings, paints, concrete, leachate or any other environmentally deleterious materials associated with the project.

Materials Disposed at an Upland Site - Any demolition debris, excess construction materials, and/or excess excavated materials shall be immediately and completely removed from the lake bed/bank/outlet stream and disposed of on an approved upland site more than 100 feet from any regulated freshwater wetland. These materials shall be suitably stabilized so as not to re-enter any water body, wetland, or wetland adjacent area.

Seed, Mulch Disturbed Soils - All areas of soil disturbance resulting from this project (above the mean high water line) shall be seeded with an appropriate perennial grass seed and mulched with straw within one week of final grading. Mulch shall be maintained until soil is fully vegetated. If seeding is impracticable due to the time of year, a temporary mulch shall be applied within 5 days and final seeding shall be performed at the earliest opportunity when weather conditions favor germination and growth; but not more than six months after project completion and no later than the permit expiration date.

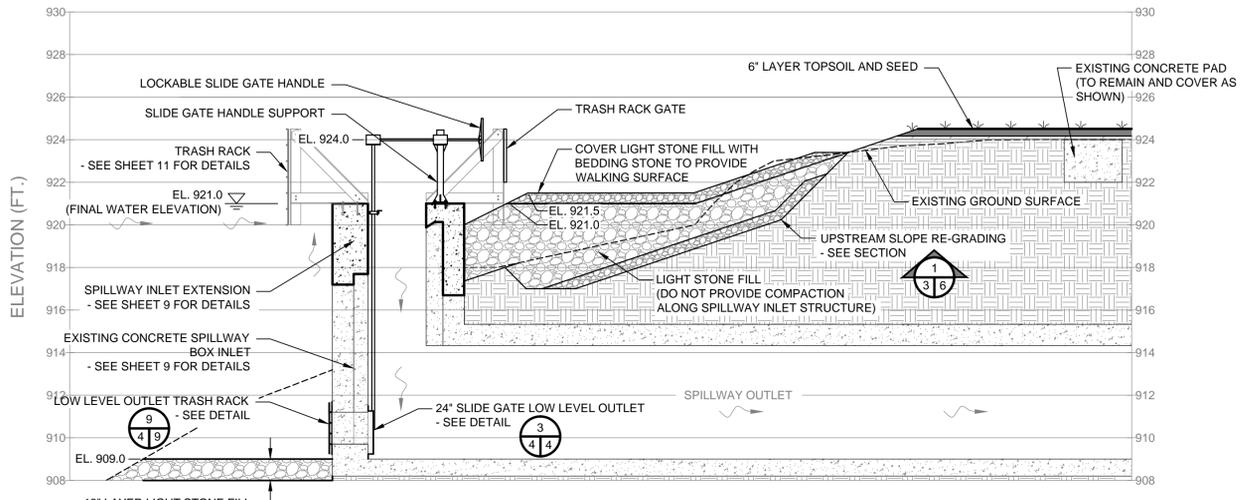


1
3/4 SPILLWAY INLET AND OUTLET MODIFICATIONS PLAN
SCALE: 1" = 6'



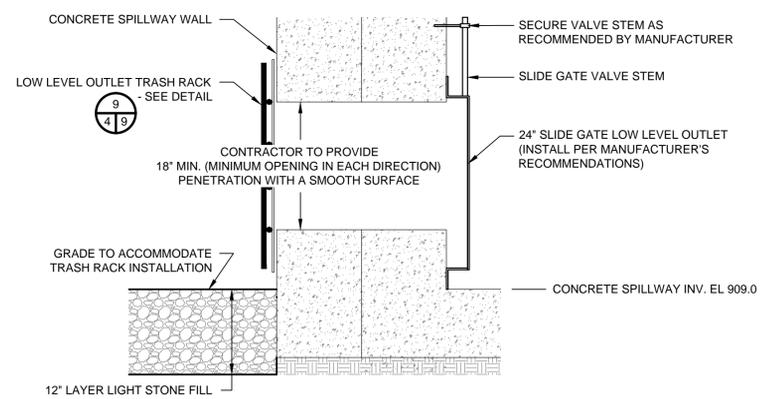
NOTE:
1. Existing conditions based on survey drawing completed by Greenman-Pedersen, Inc., in November 2012 and drawing titled "Existing Conditions," Drawing No. C-101, completed by Greenman-Pedersen, Inc., dated March 6, 2012.

EXISTING SPILLWAY INLET



SECTION NOTES:
1. Spillway inlet modification work shall include removal of the existing non-functional sluice gate, removal of accumulated sediment to approximate elevation 909 as shown, and extension of the existing spillway inlet to elevation 921.0.
2. The lake level may be lowered to elevation 915.6 during construction.
3. The Contractor may elect to install a temporary cofferdam/dewatering system to allow work to be completed in the dry. Operate and maintain the dewatering system with pumps and/or siphons. Discharged water shall be directed onto a stabilized area to limit the potential for erosion. Submit a dewatering plan as described in the project specifications. Remove dewatering system upon completion of work.

2
4/4 SPILLWAY INLET MODIFICATION SECTION
SCALE: 1" = 4'



3
4/4 SLIDE GATE DETAIL
SCALE: N.T.S.

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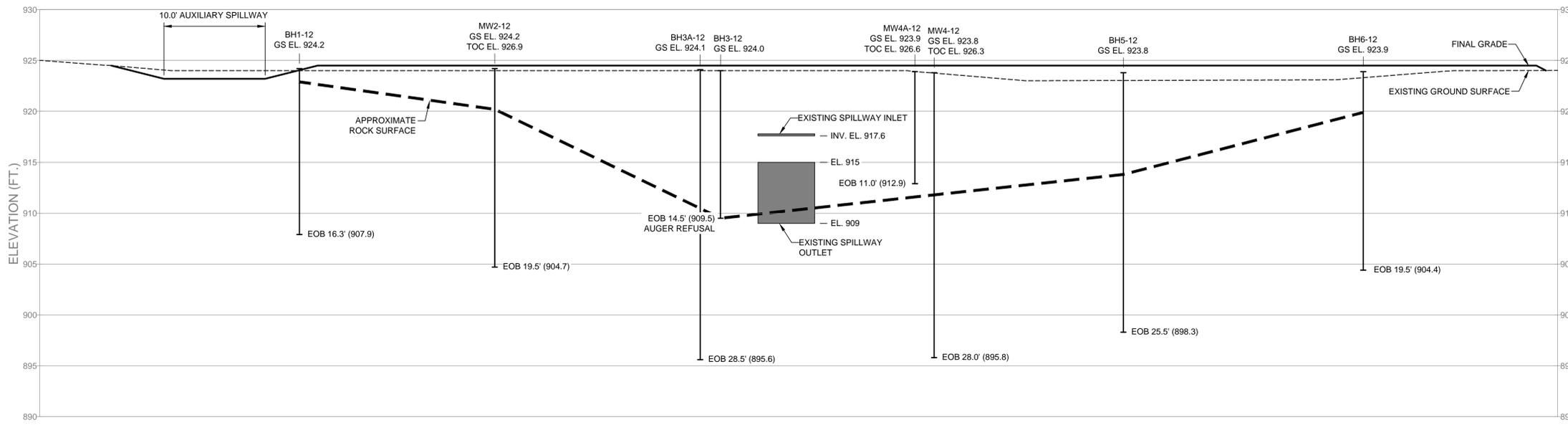


CONTRACT:
CONSTRUCTION
TITLE:
MARCELL ROTH DAM REHABILITATION
PHASE III DESIGN AND CONSTRUCTION

LOCATION:
TOWN OF KENT
PUTNAM COUNTY, NEW YORK

CLIENT:
NEW YORK STATE DEPARTMENT
OF ENVIRONMENTAL CONSERVATION

MARK	DATE	DESCRIPTION
	5/31/2013	BID DOCUMENT
PROJECT NUMBER:	43307 - C	
DESIGNED BY:	S.W.L./A.J.K.	
DRAWN BY:	C.R.G.	
FIELD CHECK:		
APPROVED:	M.J.M./T.W.S.	
SHEET TITLE: SPILLWAY INLET AND OUTLET MODIFICATIONS PLAN, SECTION AND DETAIL		
DRAWING NUMBER: C-103		
SHEET 4 of 12		



LEGEND

- EXISTING GROUND SURFACE
- FINAL GRADE
- - - APPROXIMATE ROCK SURFACE

PROFILE NOTES:

- Borings and monitoring wells were completed by New England Boring Contractors in February 2012.
- The top of rock shown is based on linear interpolation between known points. Subsurface exploration observations indicate the elevations vary in both the upstream and downstream directions.

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Commissioner

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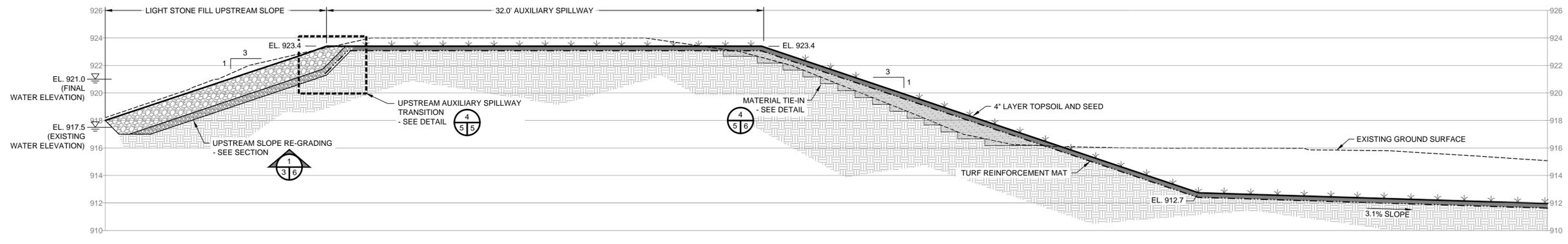
McMahon & Mann
Consulting Engineers, P.C.
2495 MAIN STREET, SUITE 432
BUFFALO, NY 14214
(716) 834-8932
FAX: (716) 834-8934

WARNING:

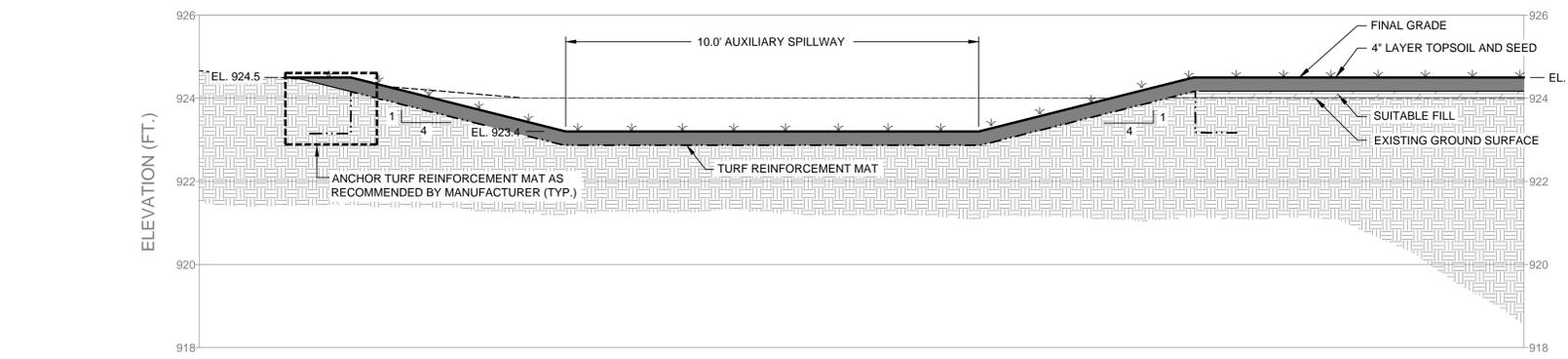
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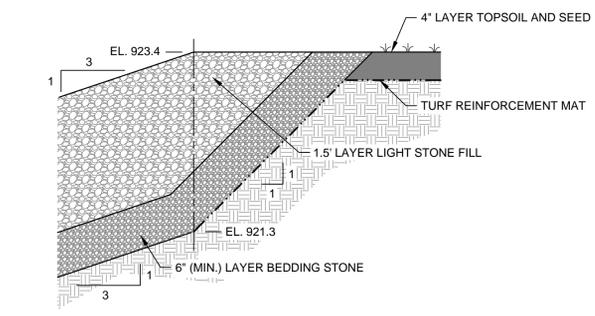
1 BORING PROFILE
SCALE: 1" = 6"



2 AUXILIARY SPILLWAY PROFILE
SCALE: 1" = 4"



3 AUXILIARY SPILLWAY SECTION
SCALE: 1" = 2"



4 UPSTREAM AUXILIARY SPILLWAY TRANSITION DETAIL
SCALE: 1" = 1"

CONSTRUCTION

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DRAWN BY:	C.R.G.	
FIELD CHECK:		
APPROVED:	M.J.M./T.W.S.	
SHEET TITLE:		
BORING PROFILE, AUXILIARY SPILLWAY PROFILE, SECTIONS AND DETAIL		
DRAWING NUMBER:		
D-501		
SHEET 5 of 12		

Jul 12, 2013 10:24am
H:\CAD\DRAWING\PROJECT\OCS\Marcell Roth Dam\11040-012.dwg
36x24 PLDT SHEET

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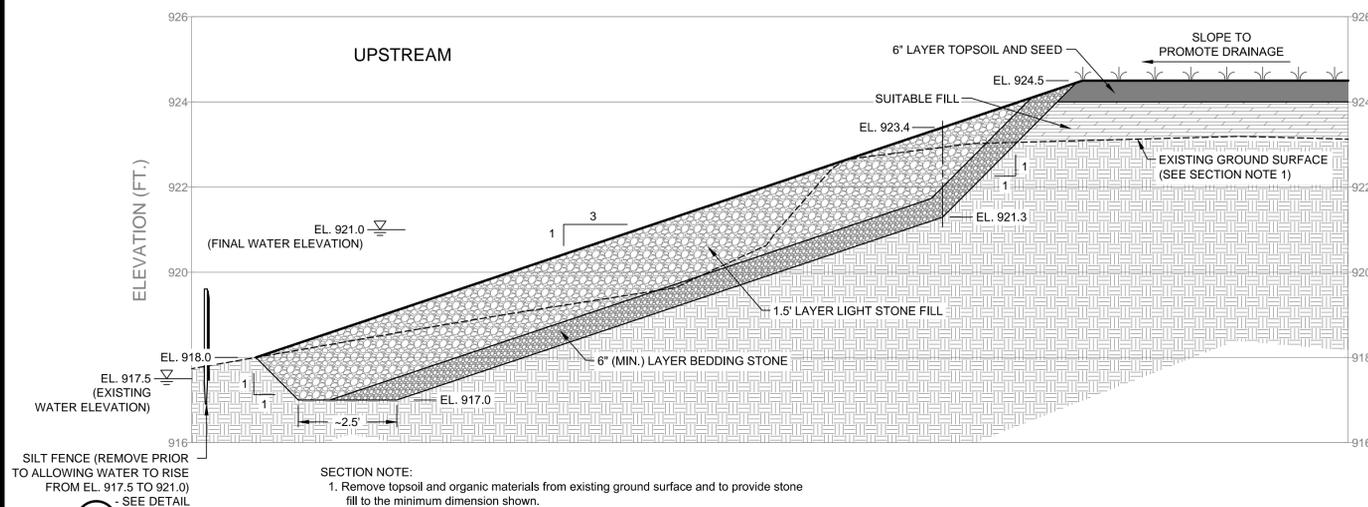
CONTRACT:

CONSTRUCTION

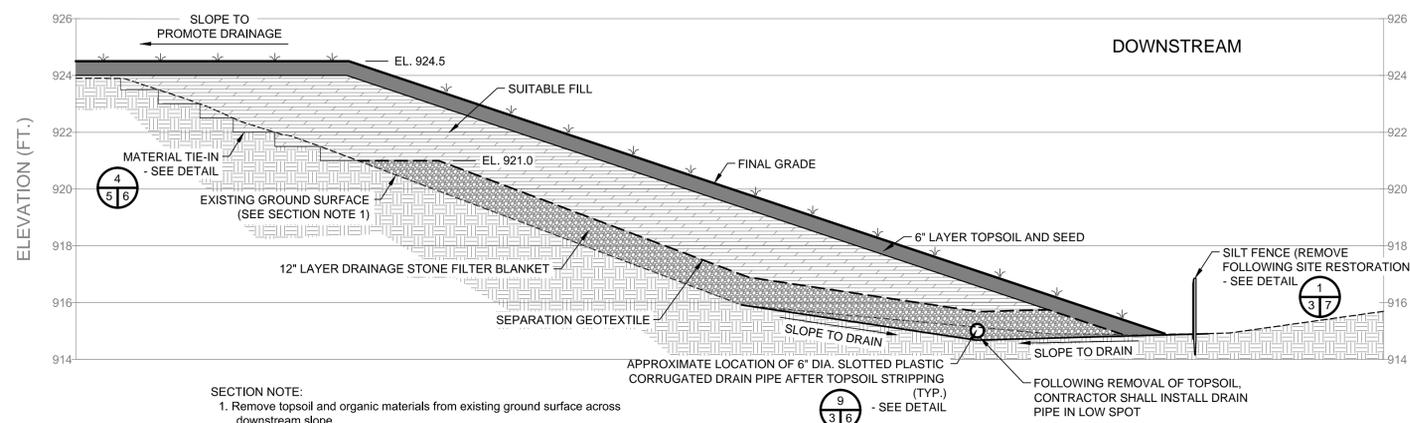
TITLE: MARCELL ROTH DAM REHABILITATION PHASE III DESIGN AND CONSTRUCTION

LOCATION: TOWN OF KENT PUTNAM COUNTY, NEW YORK

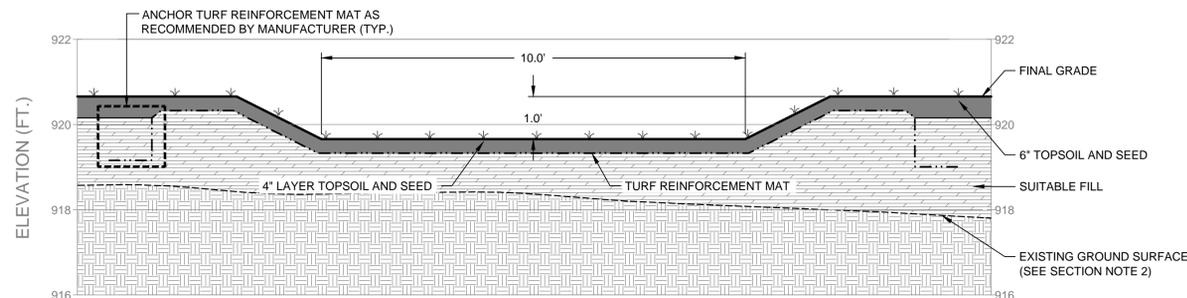
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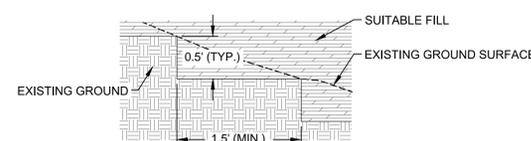
1 UPSTREAM SLOPE RE-GRADING SECTION
SCALE: 1" = 2"



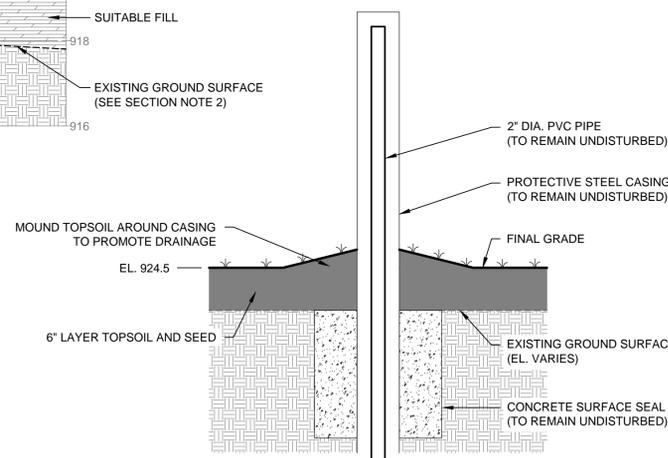
2 DOWNSTREAM SLOPE RE-CONSTRUCTION SECTION
SCALE: 1" = 3"



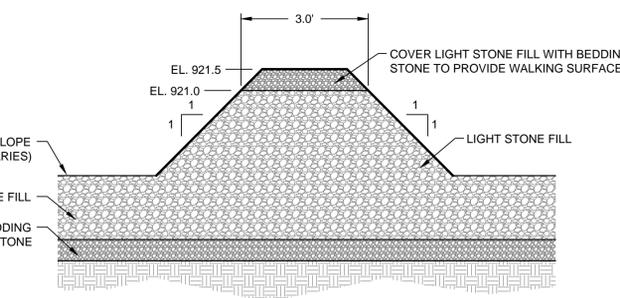
3 DOWNSTREAM SLOPE AUXILIARY SPILLWAY SECTION
SCALE: 1" = 2"



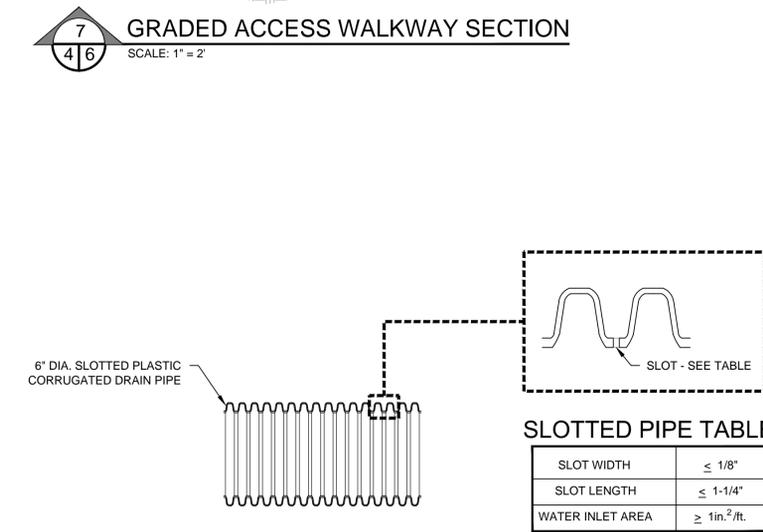
4 MATERIAL TIE-IN DETAIL
SCALE: N.T.S.



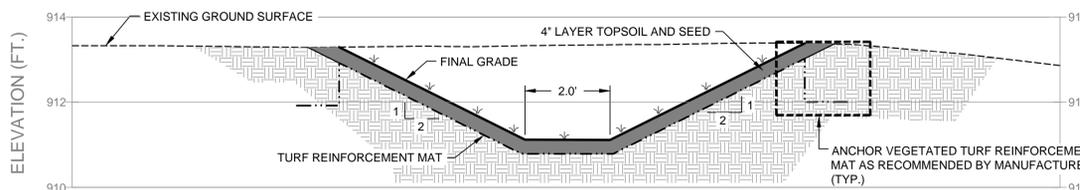
8 MONITORING WELL DETAIL
SCALE: N.T.S.



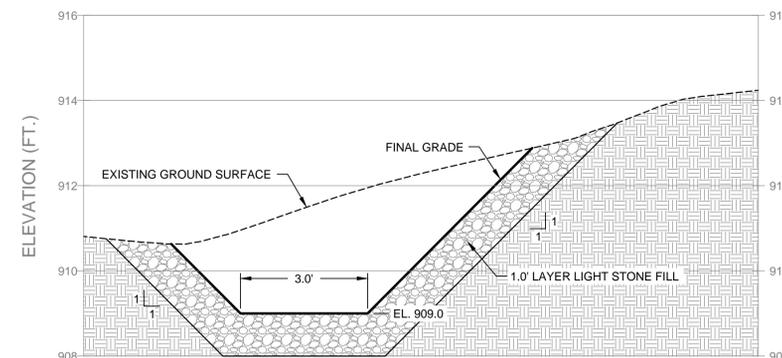
7 GRADED ACCESS WALKWAY SECTION
SCALE: 1" = 2"



9 SLOTTED PLASTIC CORRUGATED DRAIN PIPE DETAIL
SCALE: N.T.S.



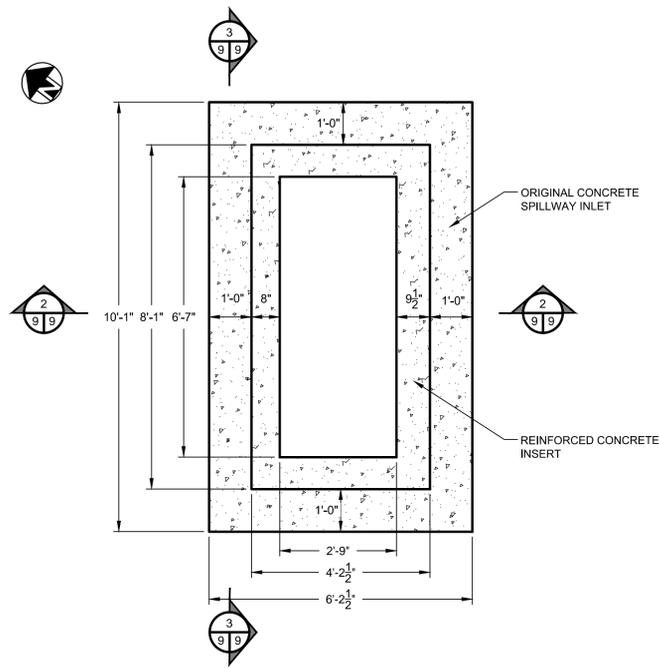
5 REINFORCEMENT MAT AUXILIARY SPILLWAY SECTION
SCALE: 1" = 2"



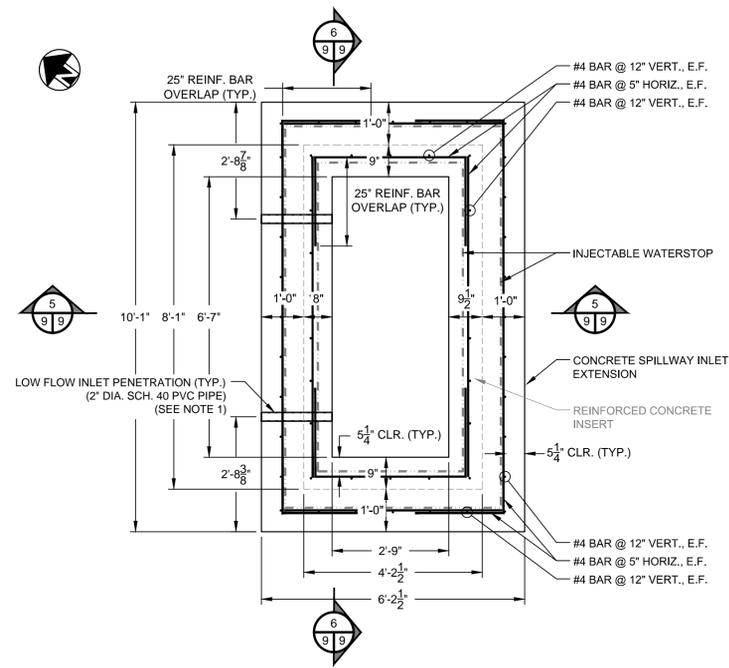
6 STONE FILL SLIDE GATE APPROACH SECTION
SCALE: 1" = 2"

DRAWING NUMBER:

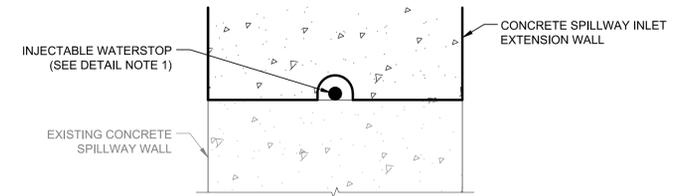
D-502



1 EXISTING CONCRETE SPILLWAY BOX INLET DETAIL
SCALE: 1/2" = 1'-0"

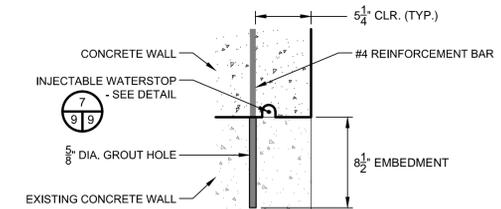


4 SPILLWAY INLET EXTENSION DETAIL
SCALE: 1/2" = 1'-0"

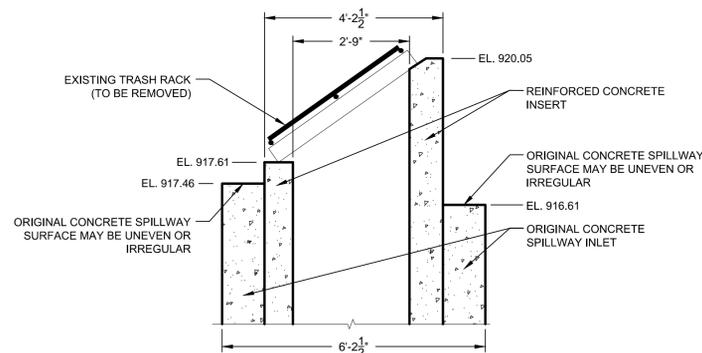


DETAIL NOTE:
1. Injectable waterstop tube to be secured to existing concrete surface in accordance with manufacturer's recommendations.

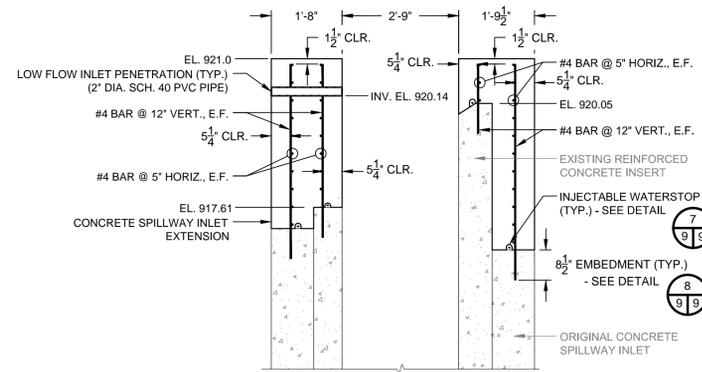
7 INJECTABLE WATERSTOP DETAIL
SCALE: N.T.S.



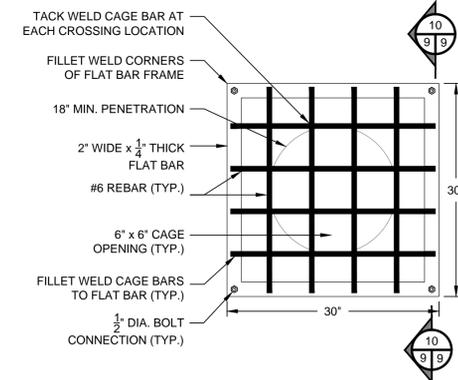
8 REINFORCEMENT BAR EMBEDMENT DETAIL
SCALE: 1-1/2" = 1'-0"



2 EXISTING CONCRETE SPILLWAY BOX INLET SECTION I
SCALE: 1/2" = 1'-0"

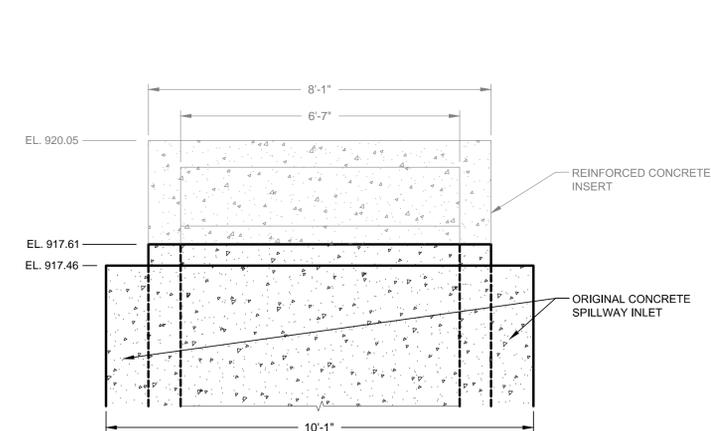


5 SPILLWAY INLET EXTENSION SECTION I
SCALE: 1/2" = 1'-0"

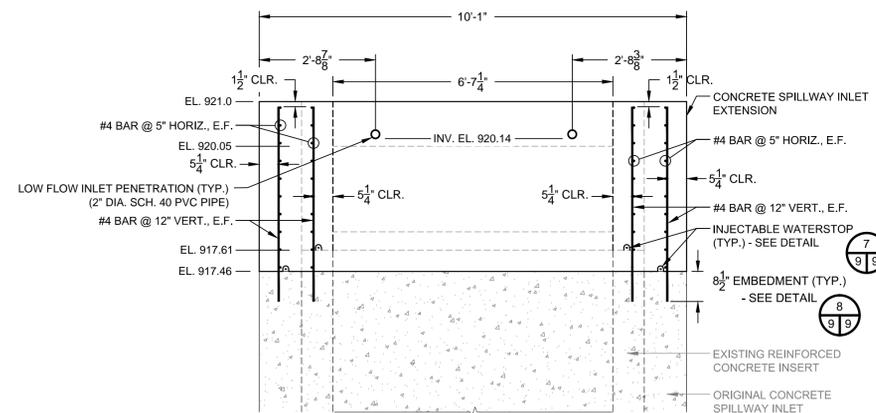


DETAIL NOTE:
1. Center the low level outlet trash rack over the concrete penetration.

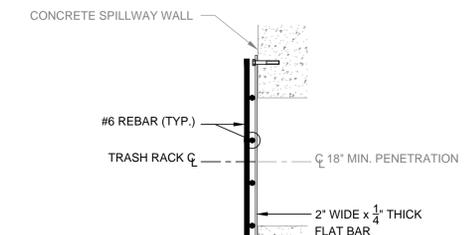
9 LOW LEVEL OUTLET TRASH RACK DETAIL
SCALE: 1" = 1'



3 EXISTING CONCRETE SPILLWAY BOX INLET SECTION II
SCALE: 1/2" = 1'-0"



6 SPILLWAY INLET EXTENSION SECTION II
SCALE: 1/2" = 1'-0"



10 LOW LEVEL OUTLET TRASH RACK SECTION
SCALE: 1" = 1'



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DESIGNED BY:	S.W.L./A.J.K.	
DRAWN BY:	C.R.G.	
FIELD CHECK:		
APPROVED:	M.J.M./T.W.S.	

SHEET TITLE:

SPILLWAY INLET DETAILS
AND SECTIONS

DRAWING NUMBER:

D-505

SHEET 9 of 12

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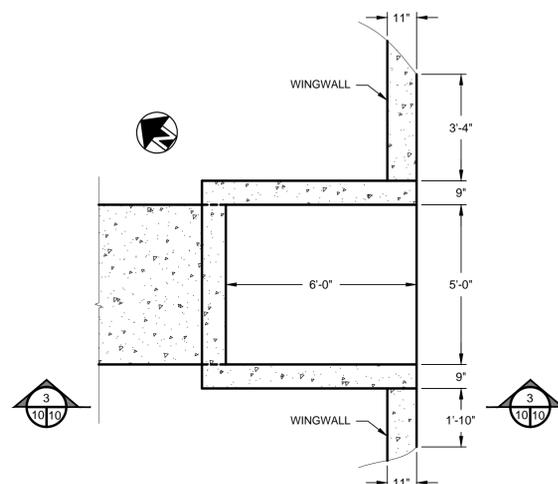
CONTRACT:

CONSTRUCTION

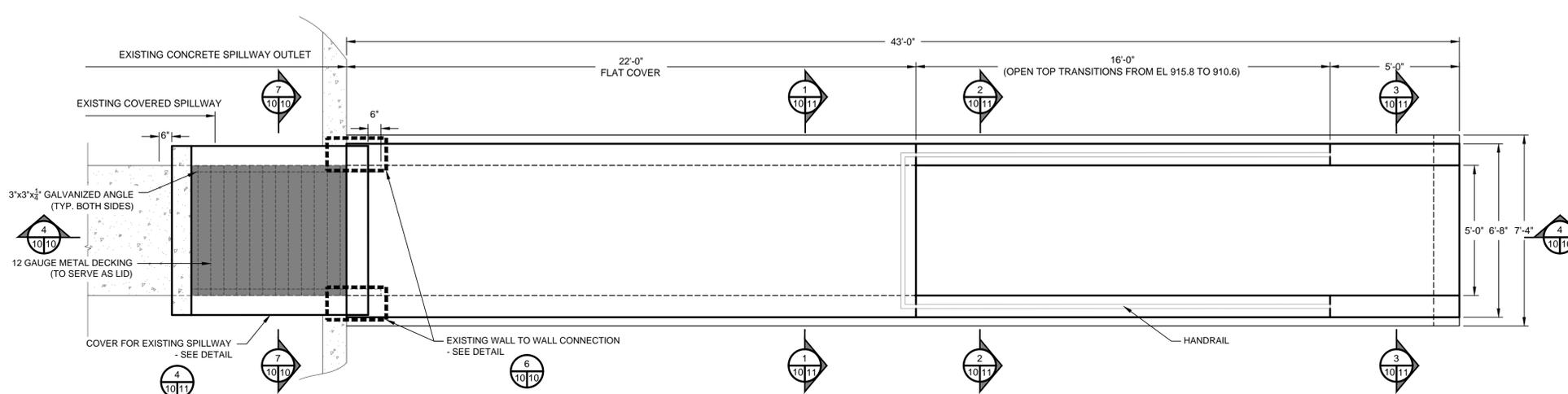
TITLE: MARCELL ROTH DAM REHABILITATION
PHASE III DESIGN AND CONSTRUCTION

LOCATION: TOWN OF KENT
PUTNAM COUNTY, NEW YORK

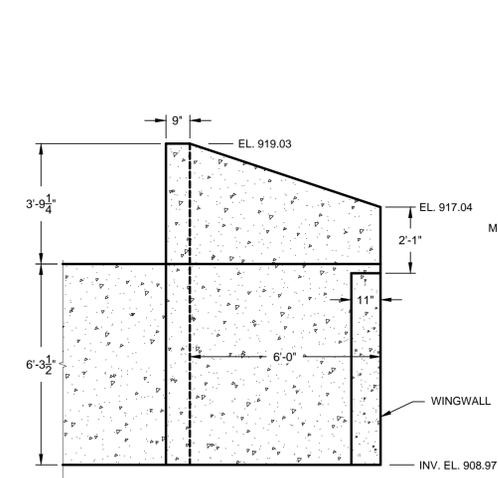
CLIENT: NEW YORK STATE DEPARTMENT
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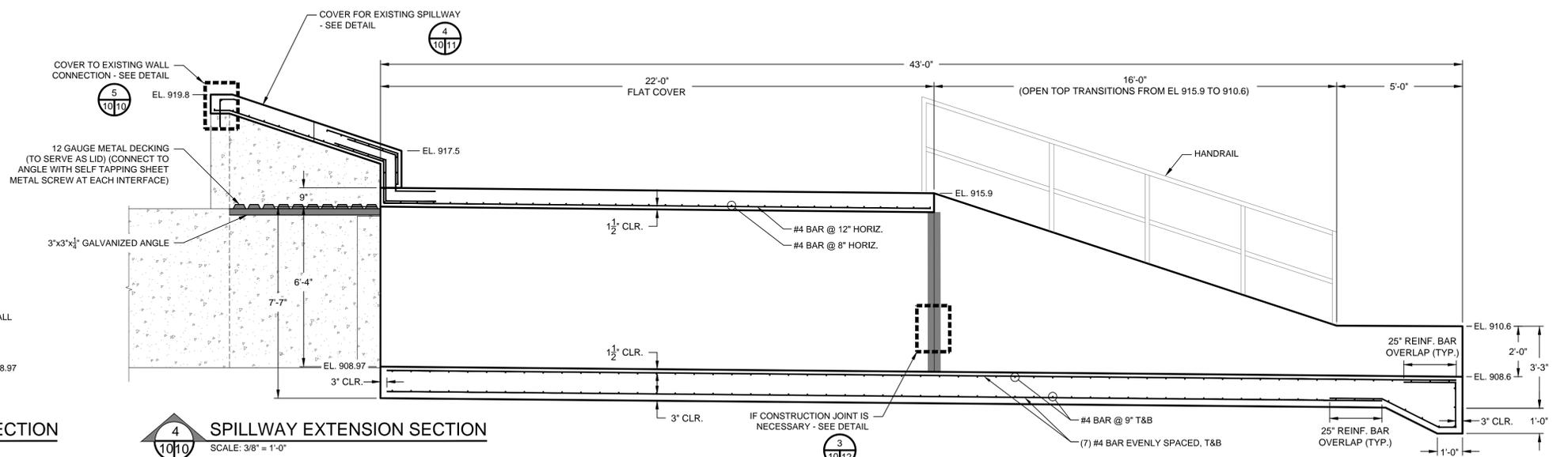
1 EXISTING SPILLWAY HEADWALL DETAIL
SCALE: 3/8" = 1'-0"



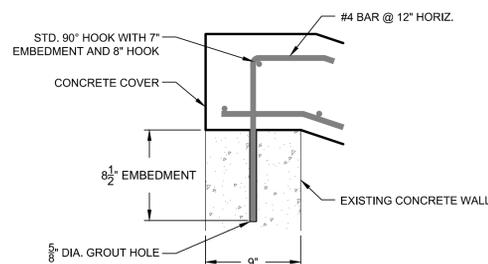
2 SPILLWAY EXTENSION DETAIL
SCALE: 3/8" = 1'-0"



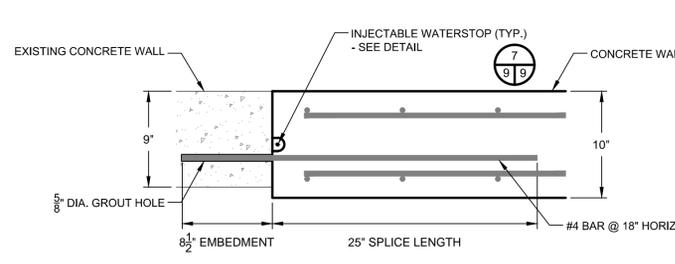
3 EXISTING SPILLWAY HEADWALL SECTION
SCALE: 3/8" = 1'-0"



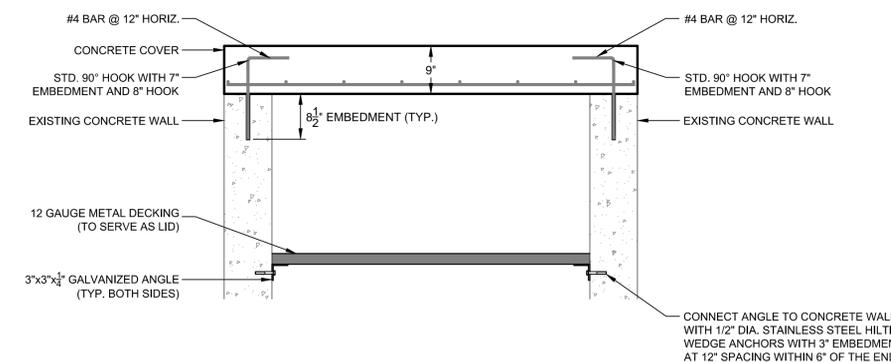
4 SPILLWAY EXTENSION SECTION
SCALE: 3/8" = 1'-0"



5 COVER TO EXISTING WALL CONNECTION DETAIL
SCALE: 1-1/2" = 1'-0"



6 EXISTING WALL TO WALL CONNECTION DETAIL
SCALE: 1-1/2" = 1'-0"



7 COVER TO EXISTING WALL CONNECTION SECTION
SCALE: 3/4" = 1'-0"

MARK	DATE	DESCRIPTION
	7/2/2013	REVISED DRAWING
	5/31/2013	BID DOCUMENT
PROJECT NUMBER:	43307 - C	
DESIGNED BY:	S.W.L./A.J.K.	
DRAWN BY:	C.R.G.	
FIELD CHECK:		
APPROVED:	M.J.M./T.W.S.	
SHEET TITLE:	EXISTING SPILLWAY HEADWALL, SPILLWAY EXTENSION AND REINFORCEMENT DETAILS AND SECTIONS	
DRAWING NUMBER:	D-506	
SHEET	10	OF 12

WARNING:
THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS "A" MISDEMEANOR.



CONTRACT:
CONSTRUCTION

TITLE:
MARCELL ROTH DAM REHABILITATION
PHASE III DESIGN AND CONSTRUCTION

LOCATION:
TOWN OF KENT
PUTNAM COUNTY, NEW YORK

CLIENT:
NEW YORK STATE DEPARTMENT
OF ENVIRONMENTAL CONSERVATION

DATE: 7/2/2013

REVISION: REVISED DRAWING

DATE: 5/31/2013

REVISION: BID DOCUMENT

MARK: PROJECT NUMBER: 43307 - C

DESIGNED BY: S.W.L./A.J.K.

DRAWN BY: C.R.G.

FIELD CHECK:

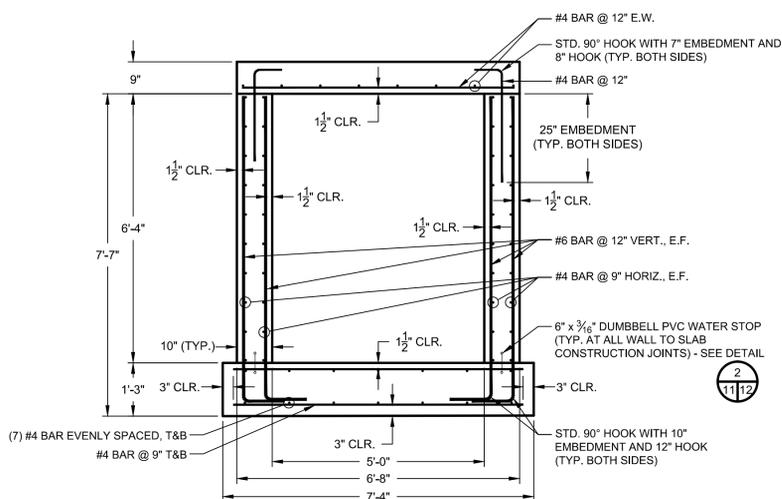
APPROVED: M.J.M./T.W.S.

SHEET TITLE:

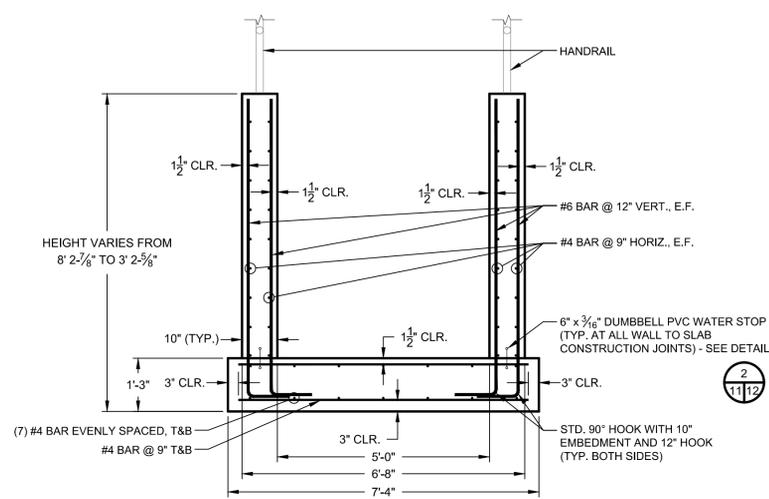
CONCRETE REINFORCEMENT AND TRASH RACK SECTIONS AND DETAILS

DRAWING NUMBER: D-507

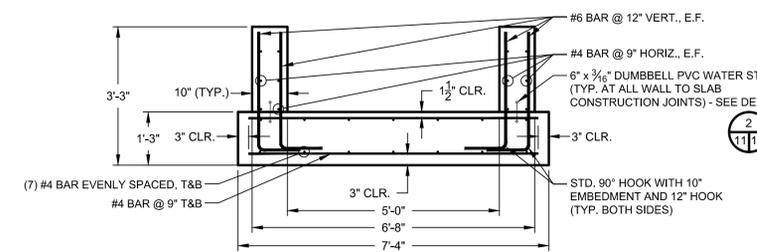
SHEET 11 OF 12



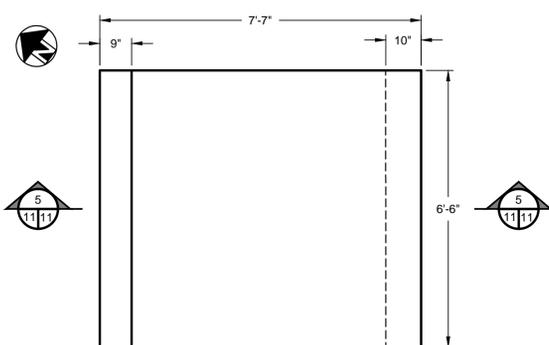
1 SPILLWAY EXTENSION SECTION I
SCALE: 1/2" = 1'-0"



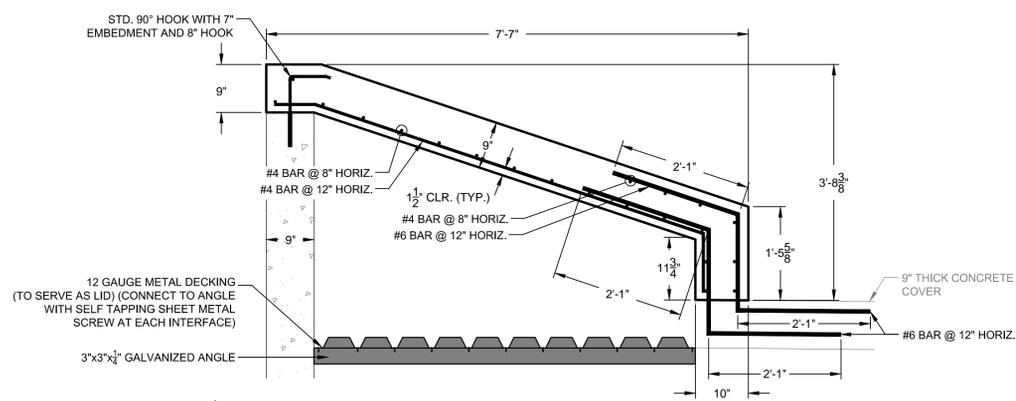
2 SPILLWAY EXTENSION SECTION II
SCALE: 1/2" = 1'-0"



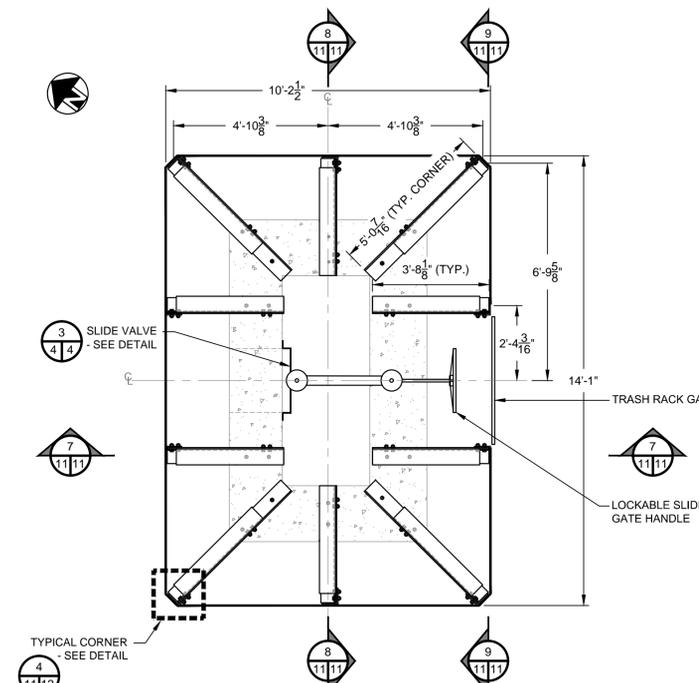
3 SPILLWAY EXTENSION SECTION III
SCALE: 1/2" = 1'-0"



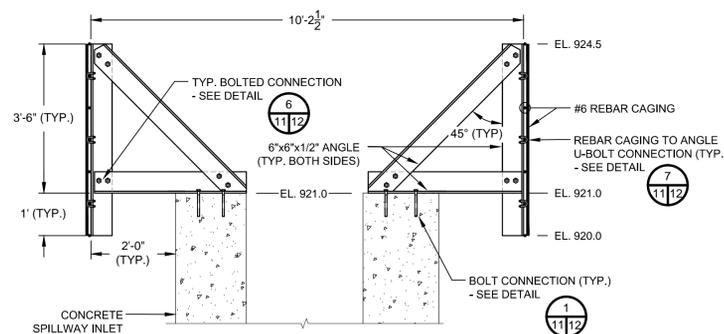
4 COVER FOR EXISTING SPILLWAY DETAIL
SCALE: 1/2" = 1'-0"



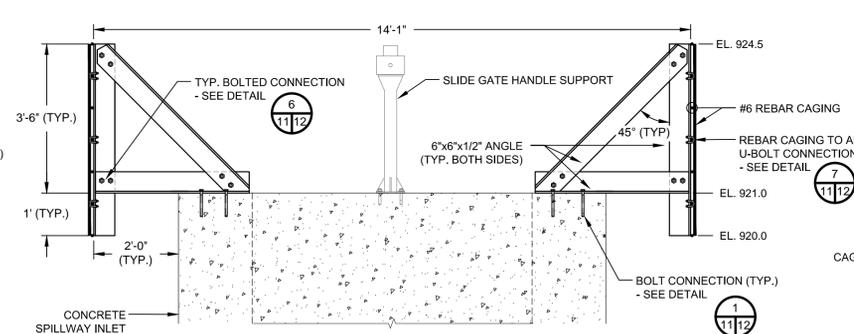
5 COVER FOR EXISTING SPILLWAY SECTION
SCALE: 3/4" = 1'-0"



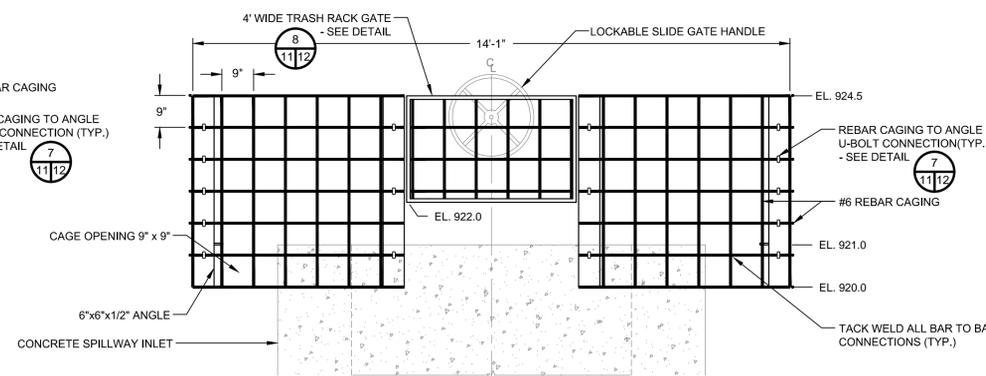
6 TRASH RACK DETAIL
SCALE: 3/8" = 1'-0"



7 TRASH RACK SECTION - I
SCALE: 1/2" = 1'-0"



8 TRASH RACK SECTION - II
SCALE: 1/2" = 1'-0"



9 TRASH RACK CAGE SECTION
SCALE: 1/2" = 1'-0"

DETAIL NOTES:
1. Trash rack cage shall be lockable.
2. Provide sign on gate to read "Authorized Personnel Only".