



#### **ADDENDUM NO. 1**

**PROJECT:** Fort Thomas Treatment Plant Basin Improvements

**ISSUE DATE:** Monday February 9, 2015

BID OPENING: Tuesday February 24, 2015 2:00PM

PURPOSE: This addendum is issued to address questions raised in the pre bid meeting of

Friday February 6, 2015.

ITEMS:

**Item No. 1:** General – Pre-Bid. The sign in sheet and meeting agenda for the pre-bid meeting is attached for reference.

Item No. 2: General. Contract Time. The Contract Time stated in the Agreement Section 00500 Item 3.1 will be extended by the amount of 365 calendar days to bring the total Contract Time to <u>740</u> calendar days. Substantial completion shall be reached within <u>710</u> calendar days. The Contractor must complete, at a minimum, the Rapid Mix #1 improvements and all valve and slide gate replacements between November 1, 2015 and April 15, 2016. All other work can be staged and completed at the contractors discretion within the Contract Time provided, but must comply with the staging and work period requirements as previously set forth in the Contract Documents.

- **Item No. 3: General. Construction Staging.** The Contractor shall complete all work related to the Rapid Mix #1 improvements within 60 calendar days. The Rapid Mix #1 shall not be out of service for more than 60 days unless otherwise approved in writing by the Owner.
- **Item No. 4: General. Work Hours.** The Owner is willing to work with the Contractor regarding working five (5), 10 hour days per week if needed to complete the work.
- **Item No. 5: General. Work Hours.** The Owner will not allow working outside of standard daylight hours due to nearby residential neighborhoods and past issues with complaints. No night time work will be permitted.
- **Item No. 6: General. Basins.** The basins were not able to be drained for the pre-bod meeting due to the presence of ice. The Owner will still attempt to drop a basin prior to the bid opening if weather permits to allow perspective bidders to inspect the basin prior to bid. Bidders will be notified via addendum or telephone in advance.
- Item No. 7: General. Basin Dimensions Verification. The Owner has planned maintenance and cleaning scheduled for March/April for Basin #2 and #3. The low bidder will be able to perform any verification of dimensions and basin inspections needed at that time.

- Item No. 8: General. Basin Cleaning/Construction Start. Basins #2 and #3 and Rapid Mix #1 will be cleaned and drained by the Owner and ready for the Contractor to begin work on November 1, 2015.
- **Item No. 9: General. Basins in Service.** The Contractor will be permitted to put completed basins back into full service following the successful completion of the startup and testing requirements for each piece of new equipment on the basin. In the event a problem arises following the restoration of service, the Contractor will be responsible for working with the Owner to quickly fix any issues that arise with the basins and new equipment once put back into service.
- **Item No. 10:** General. Contractor Questions Cut-off Date. The cutoff for Contractor questions regarding the project will be Friday February 20<sup>th</sup>, 2015 at 4:00 PM. Direct questions to Brett Fisher, PE at HDR Engineering at 859-629-4841 (desk) or brett.fisher@hdrinc.com.
- Item No. 11: General. Site Visits Coordination. Contractors shall coordinate site visits during bidding with Kevin Owen, the plant maintenance supervisor, by calling 859-991-1641 or emailing at <a href="mailto:owen@nkywater.org">owen@nkywater.org</a>.
- Item No. 12: General. Supplemental Information. Select sheets from the 1935 record drawings for Basins #2 and #3 are provided as an attachment to this addendum for the Contractor's general reference in determining quantities for demolition, etc. These are not construction drawings and all dimensions should be verified by the Contractor for accuracy.
- Item No. 13: General. Tube Settlers Temporary Support. The following pictures show the typical clarifier sludge collection system drive platform and beam structures for the Contractor's general information for developing a temporary support system for the existing tube settlers in the clarifiers of Basin #2 and #3 during construction.



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Item No. 14: Specifications. Tube Settlers – Contact Information Update. As of February 5, 2015, Pelton Environmental became the manufacturer's representative for Brentwood/Polychem products. Replace the contact information in Section 11227 Item 1.4B in its entirety with the following:

Jim Pelton Pelton Environmental Office: 440-838-1221 www.PeltonEnv.com

- **Item No. 15:** Specifications. Lead Paint. The following shall be added to Section 09906 Item 1.9B as sub item '3':
  - 3. The Contractor is put on notice that previous testing for lead in the filter bays showed <u>low</u> levels of lead are present in some of the existing paint coatings in the filter bays' ceilings. Due to the presence of any lead, Contractor must adhere to the applicable OSHA standards for lead paint precautions on this project.
- **Item No. 16: Specifications. Floor Hatches.** Section 05500 Item 2.13B shall be replaced in its entirety with the following:

- B. The floor hatches, frames, and all hardware shall be constructed of 316 stainless steel for the hatch to be located above the influent flume inside the filter building. The stainless steel covers shall be reinforced to be capable of withstanding a uniform live load of 300 psf. All other hatches on the project shall be aluminum covers with 316 stainless steel hardware as specified in item 2.13A above and shall be reinforced to be capable of withstanding a uniform live load of 300 psf.
- **Item No. 17: Specifications. Slide Gates.** Section 02640 Item 2.6B shall be replaced in its entirety with the following:
  - B. The slide gates shall be Series 20 316L stainless steel flow control slide gates as manufactured by Fontaine/Rodney-Hunt Machine Co., Orange, MA; Golden Harvest, Inc., Burlington, WA, or approved equal product.
- **Item No. 18: Specifications. DWSRF Forms.** Section 00810 bears reference to SRF Forms 6100-2, 6100-3, and 6100-4. These forms have been attached to this Addendum for Contractor use.
- Item No. 19: Plans. Electrical. Light Poles Clarification. LF-1 pole light fixtures shown on sheets 0E104 and 0E105 are to be LED fixtures by "CREE" catalog number ARE-EDG-4M-AA-06-E-UL-BZ-700-P. Fixtures are mounted on a 25' tall break away pole with hinge at approximately 12'.
- Item No. 20: Plans. Electrical. Voltages Clarification. Sheet 01E107 references 480 volt power in multiple locations throughout the schematics. All references to 480 volt power throughout sheet 01E107 shall be changed to 208 volt.
- Item No. 21: Plans. Electrical. Enclosure Types. Section 16010 Electrical Basic Requirements 1.7 Classification of areas does not agree with the Enclosure type in section 16265 Variable Frequency drives 2.7.A.4b. All interior mounted controls and VFD enclosures shall have NEMA 12 enclosures.
- Item No. 22: Plans. Process. Slide Gates. Sheet 01D107, "Rapid Mix #1 Lower Floor Plan" shall be changed to denote the proposed 36" Slide Gates as "Rising Stem", not "Non-Rising Stem".

#### THE END

Bidders <u>must</u> acknowledge receipt of this addendum by attaching this addendum to their completed bid.





### **Pre-Bid Conference**

# Fort Thomas Treatment Plant Basin Improvements Northern Kentucky Water District

### Friday February 6, 2015 9:30 AM

### Attendance Register

Name	Company	Phone	Email
JERRY BRUNO	DANIS	937-228-1225	Jerry bruno @danis . com
Amy Kramer	MKWD	859-426-2734	a Kramer & nkywater. org
Tim MASON	Suburban Maint.	216 990 6397	rwilliams @ SMC : Construction. Com
XUYEN HINH	Dugan & Augers	513.891-4300	schinh@ Dugan-meyers. com
Dennis Nutley	55R6	5/2-222-4/29	dnutley essrg. com
JASA FISHETT	D+M	513-841-4300	ifishere dugar-mayors.com
Austin Schultz	D4M	岁 513-891-4300	austinschultz@dugan-meyers.com
JEFF Beiting	LEE	9377431220	be, time Olaheericelectricica
Doub KROFT	CONCRETE CUTTING & BREAKING	216.618-0945	DKROFTCCB & GMAIL COM
SteVE Sudy			5 Judy@ Jedy Construction Con
GARY LUBIN	HENRY P. THOMPSON CO	513-702-7774	glubina hpthompson, com
Brad Millar	Builling Crafts, Inc.	859.781.9500	builler@builancrafts.com
Grea Johnson	Building Crafts, Inc.	859-781-9500	ajohnson@buildingcrafts.com
LUKA OLIPHAJT	CLEARY CONSTRUCTION	270-303-8198	luta Oliphant @ yeary const. can





# Pre-Bid Conference Fort Thomas Treatment Plant Basin Improvements Northern Kentucky Water District

Friday February 6, 2015 9:30 AM

### Attendance Register

Name	Company	Phone	Email
HENRY FRONDORF	LITHKO RESTORATION	513-867-4331	frondorfhelithkorestoration.com
Brian Bailey	Century Construction	859-331-6696	bbailey@century construction inc. com
MARK ROGGE	HOR	859-547-9347	mart rogge @ hdrinc.com
Matt Piccivillo	NKWD	959-199-1039	
John HogAN	SUR RAMP + Row	513-489-2850	John HORAND SURKAM-ROWS. C
KEVIN OWEN	NKWD	859-991-164)	John HOSAND SURKAM-ROWS. CO OWEN @ NKYWATUR. ORG
<del></del>	SHOOK CONSTRUCTION	937-276-6666	Juelline shock construction. con
Brett Fisher	HDR		brett. Fisher @ HDR inc. com





# Pre-Bid Conference Fort Thomas Treatment Plant Basin Improvements Northern Kentucky Water District

#### Friday February 6, 2015

#### Agenda

#### Opening Remarks/Sign-In

#### General Information

- Bid Documents from:
  - o ARC Central 1108 New Circle NE Suite 102 Lexington
  - o Phone (859) 699-5105 www.e-arc.com
  - o \$170 set Plans & Specs
- Viewing Only at: Dodge/ACI Planroom/iSqFt Plan Room/Builders Exchange

#### Major Work Items - Water Plant Basins #2 and #3 and Rapid Mix #1

- Demolition of existing horizontal flocculators, clarifier sludge collection systems, wooden baffle walls, rapid mix equipment, miscellaneous concrete, and miscellaneous electrical.
- Convert Basin #2 and #3 to three stage flocculation with concrete wall baffles
- Convert Basin #2 and #3 to vertical impeller flocculators and controls and provide access walkways.
- Repair concrete around the top portion of exterior walls of Basin #2 and #3.
- Replace sludge collection systems and controls in Basin #2 and #3.
- Construct concrete baffle walls in rapid mix and install new rapid mixer and controls
- Install temporary bulkhead in Basin #2 and #3 effluent flume and replace existing access hatch in filter building
- Replace influent and effluent slide gates to Basin #2 and #3 and provide electric actuators
- Replace 30" butterfly valves and electric actuators
- Replace 6" plug valves and electric actuators
- Complete miscellaneous concrete repairs and electrical work associated with new equipment (NO SCADA)
- Complete structural concrete repair work in filter building basement
- Complete filter bays paint restoration (if Additive Alternate No. 1 is awarded)

#### Bid Opening Details

- Submission of Bids to Northern Kentucky Water District's Office, 2835 Crescent Springs Road, Erlanger, KY 41018
- Bid Receipt until 2:00 PM local time (ET), February 24, 2015.
- Opening thereafter, Northern Kentucky Water District's Office, First Floor Meeting Room, 2835 Crescent Springs Road, Erlanger, KY 41018

#### Bid Format/Requirements

• Base Bid – Sheet 00300

- Contract Lump Sum with Unit Price Concrete Repair Work Items (Section 01025)
- Required Attachments Bidder Must Provide
  - Bid Bond 10% (Section 00430)
  - Other Attachments Section 00440
    - Non-Collusion Affidavit Section 00460
    - Affidavit for Claiming Resident Bidder Status 00470
    - SRF Forms and Certifications (Section 00810)
      - EEO Goal Requirements (attachment 4-7)
      - EEO Documentation Checklist (attachment 7-9)
      - Debarment, Suspension, Other Matters (attachment 10)
      - Anti-Lobbying (attachment 11)
      - Disadvantaged Business Enterprise Program Forms and Attachments (attachment 12-13). Specific items to be submitted within 7 days of the Bid opening include:
        - EPA Form 6100-2, DBE Subcontractor Participation
        - EPA Form 6100-3, DBE Subcontractor Performance
        - EPA Form 6100-4, DBE Subcontractor Utilization
        - Disadvantaged Enterprise Participation Policy
        - List of DBE Bidders of Subcontractors
    - Consequences of Not Providing Required Items
    - Project Funded through KIA Drinking Water SRF

#### Bid Evaluation

Award made based on the provisions set forth in Section 00100, Item 17

#### Labor Requirements – State and Federal Required

Wage Rates – Included in Bid Documents/Updated by Addendum

#### Performance Requirements

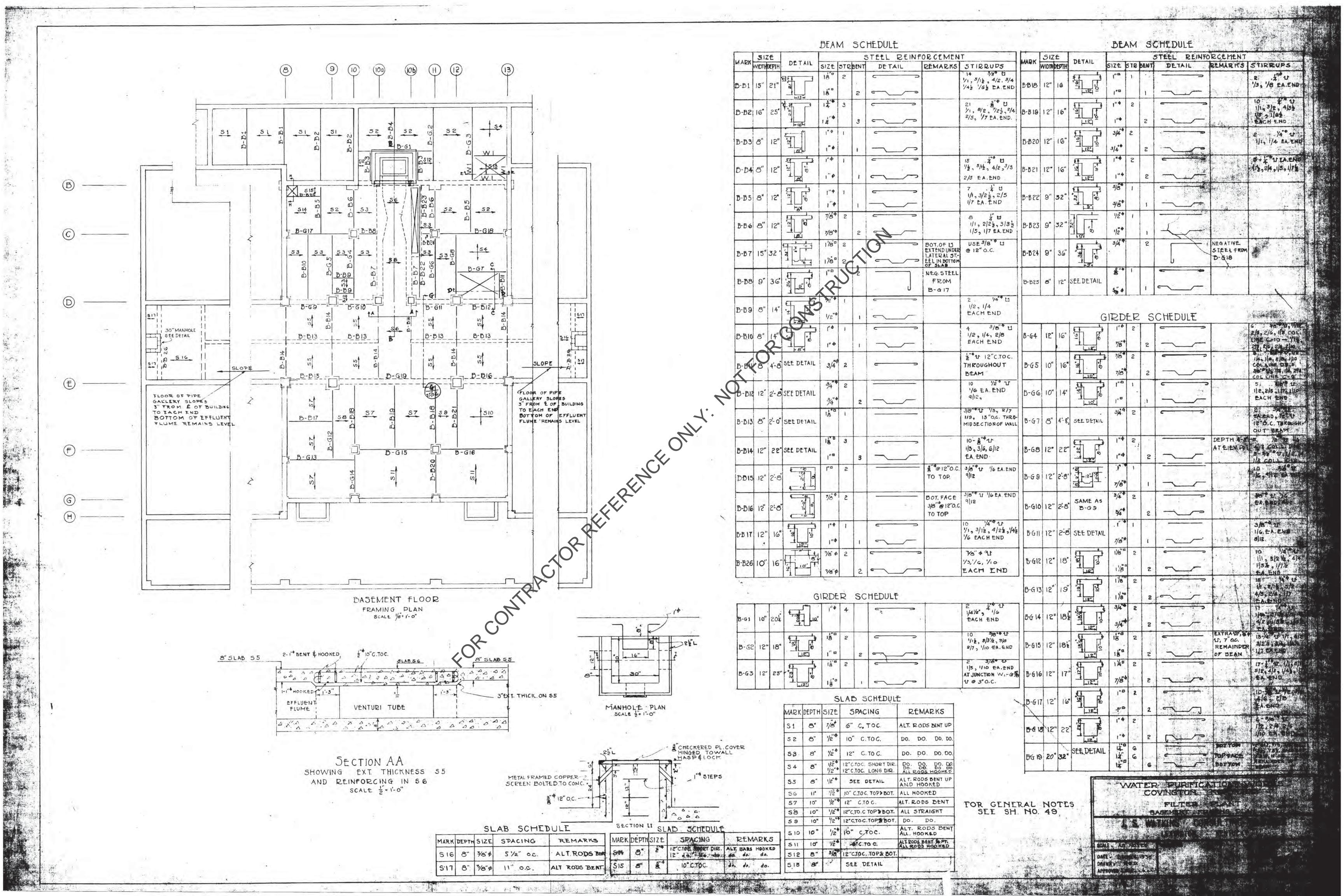
- Construction Period 375 days from Notice to Proceed
- Liquidated Damages \$750 per day (Article 3 Section 00500)

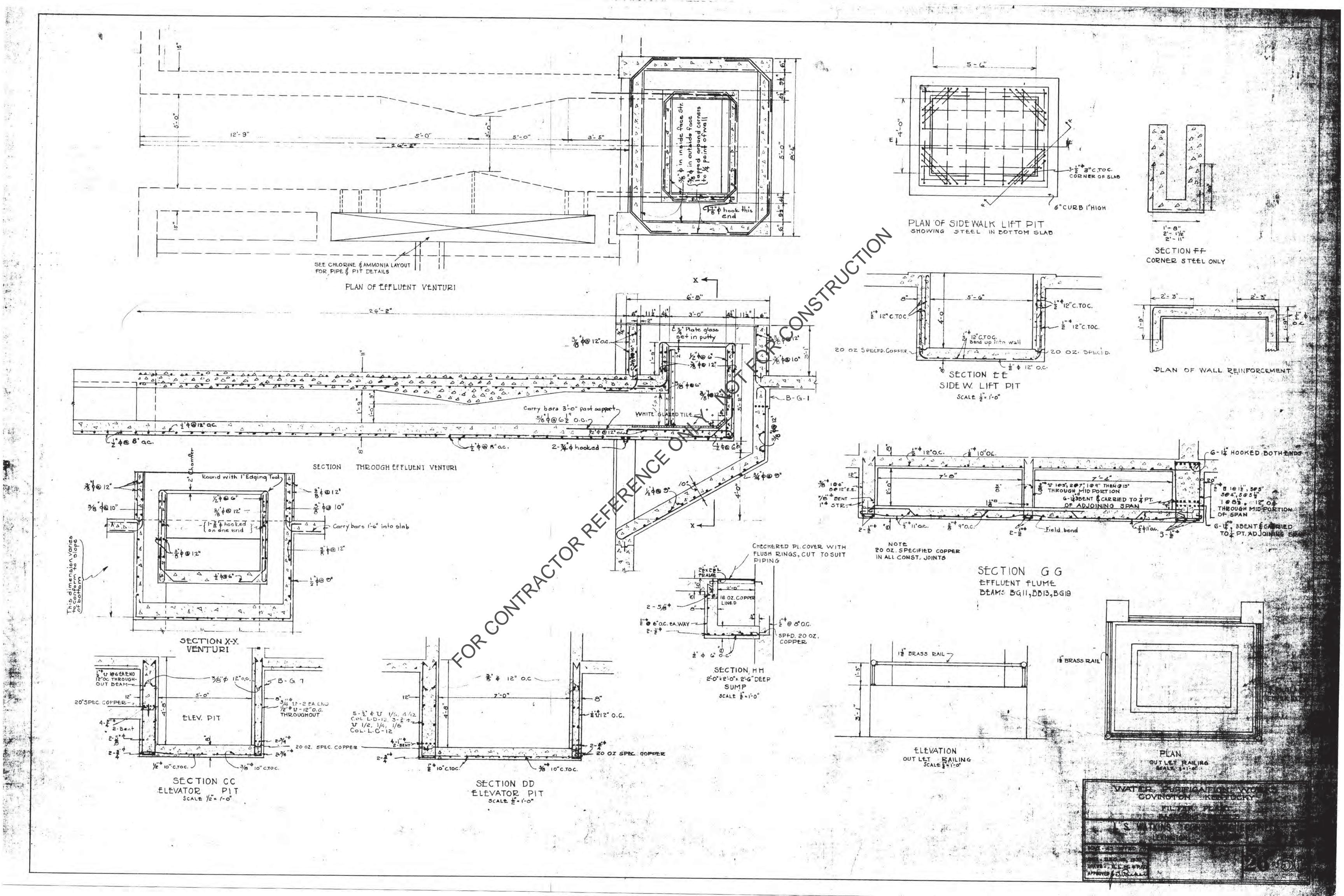
#### Sequence of Construction

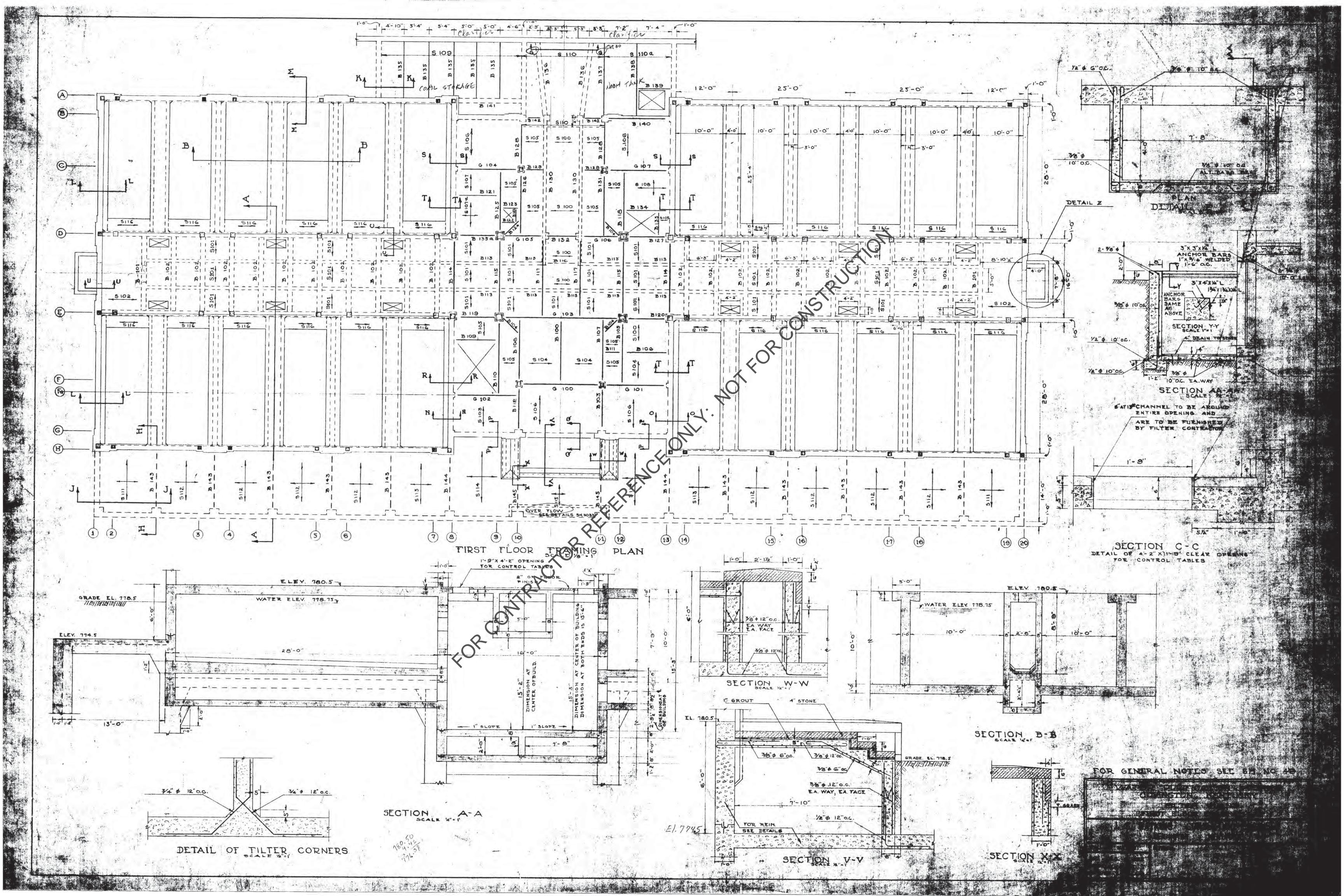
- Detailed Requirements (Sheet 00G003 and Sections 00820 and 01015)
- Contractor to Develop Critical Path Schedule that considers multiple items needed for operations
- Facility Shutdowns and Operation (Sections 00820 and 01015)
  - In Basin Construction Period No work can begin that requires taking a plant basin out of service until November 1, 2015 and must be completed by April 15, 2016 (166 Calendar Days), unless approved by Owner and Engineer in advance.

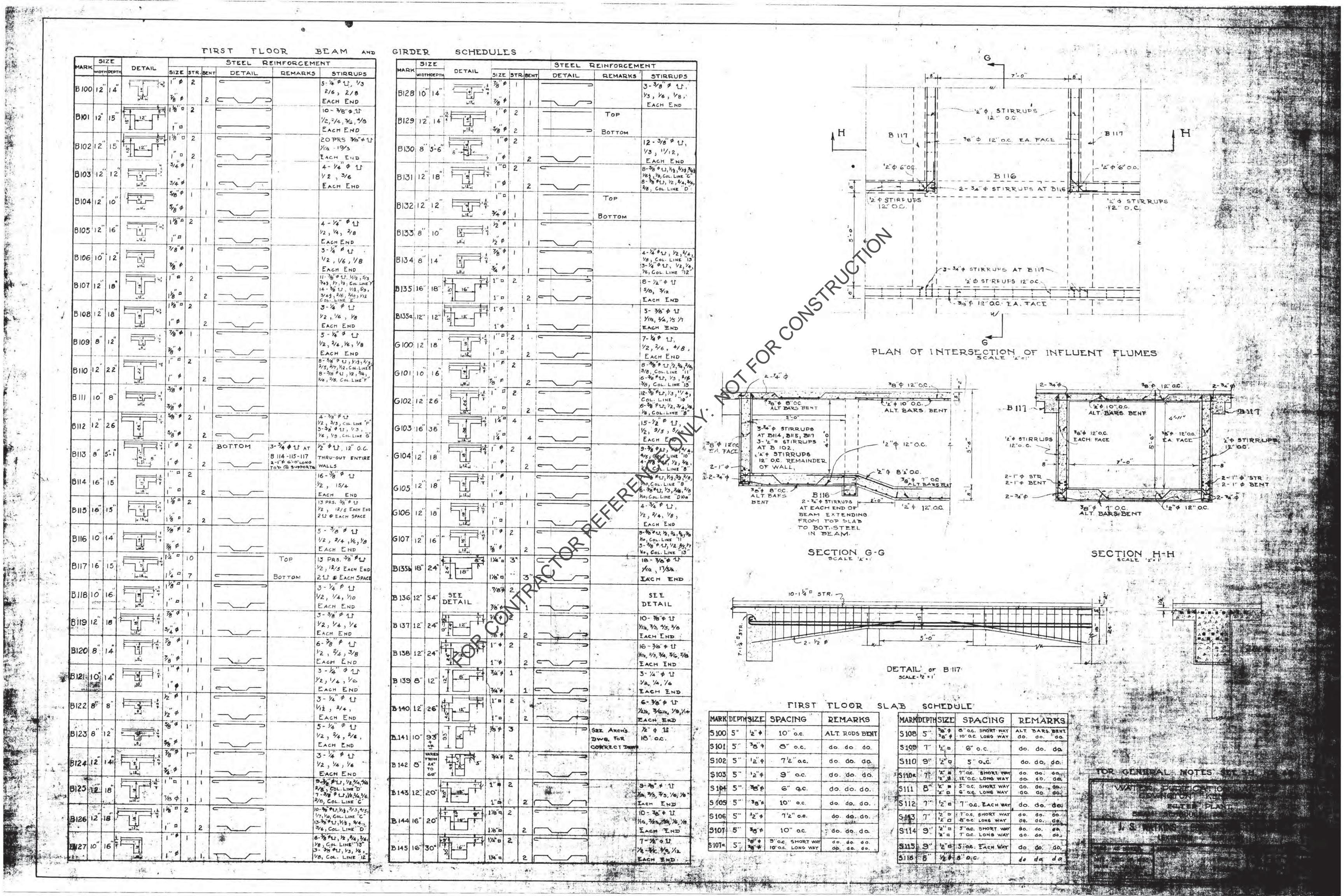
- The Fort Thomas plant consists of four (4) treatment basins capable of treating 11 MGD each. The Fort Thomas Treatment Plant shall be capable of FULL production (44 MGD) between April 15 and November 1 each year. The Contractor shall not anticipate any shutdowns or reduced plant capacity during this period unless approved in writing by Owner. At no time during the November 1 to April 15 "in basin" construction period can the plant capacity be reduced below 33 MGD unless otherwise stated in the Specifications, Contract Drawings, or approved in advance by the Owner. The only exceptions are the following:
  - The plant capacity may be reduced to 22 MGD during the time period in which the work in the rapid mix basin #1 is being performed. The Contractor must minimize to the highest degree possible the length of time in which the Rapid Mix #1 is out of service.
  - The plant may be temporarily taken out of service completely (4 Hours Max.) as set forth in the Contract Drawings Sheet 00G003, Item 6, for installation and/or removal of the temporary bulkhead in the Basin #2 and #3 effluent flume.
- See Specification 01015 and Plan Sheet 00G003 for more construction schedule sequencing requirements.
- The project intent is to complete the work in Basin #2 while leaving Basin #3 in service and vise versa when completing work in Basin #3.

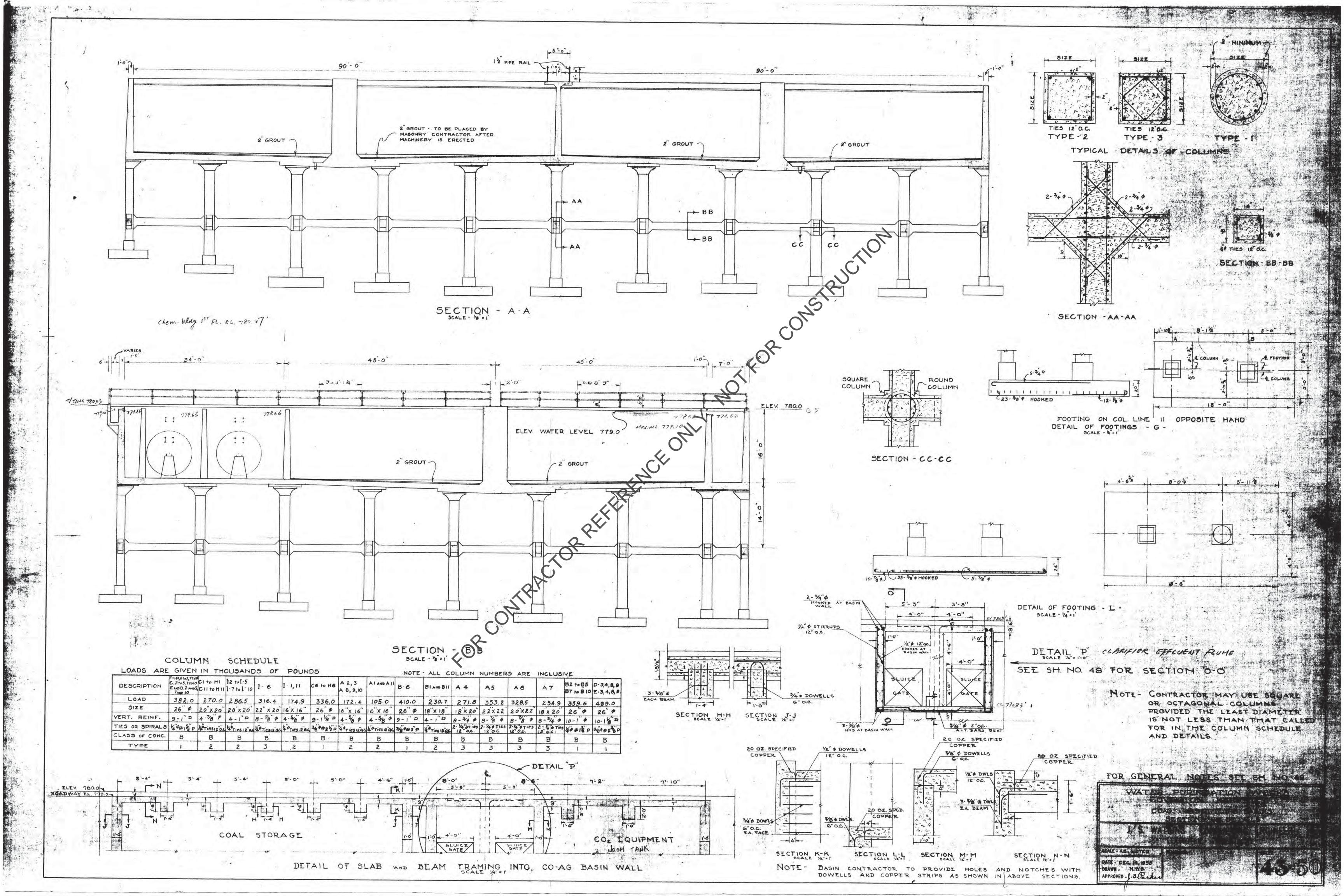
Other Relevant Conditions		
Questions/ Closing Remarks		
Adjourn to Site		

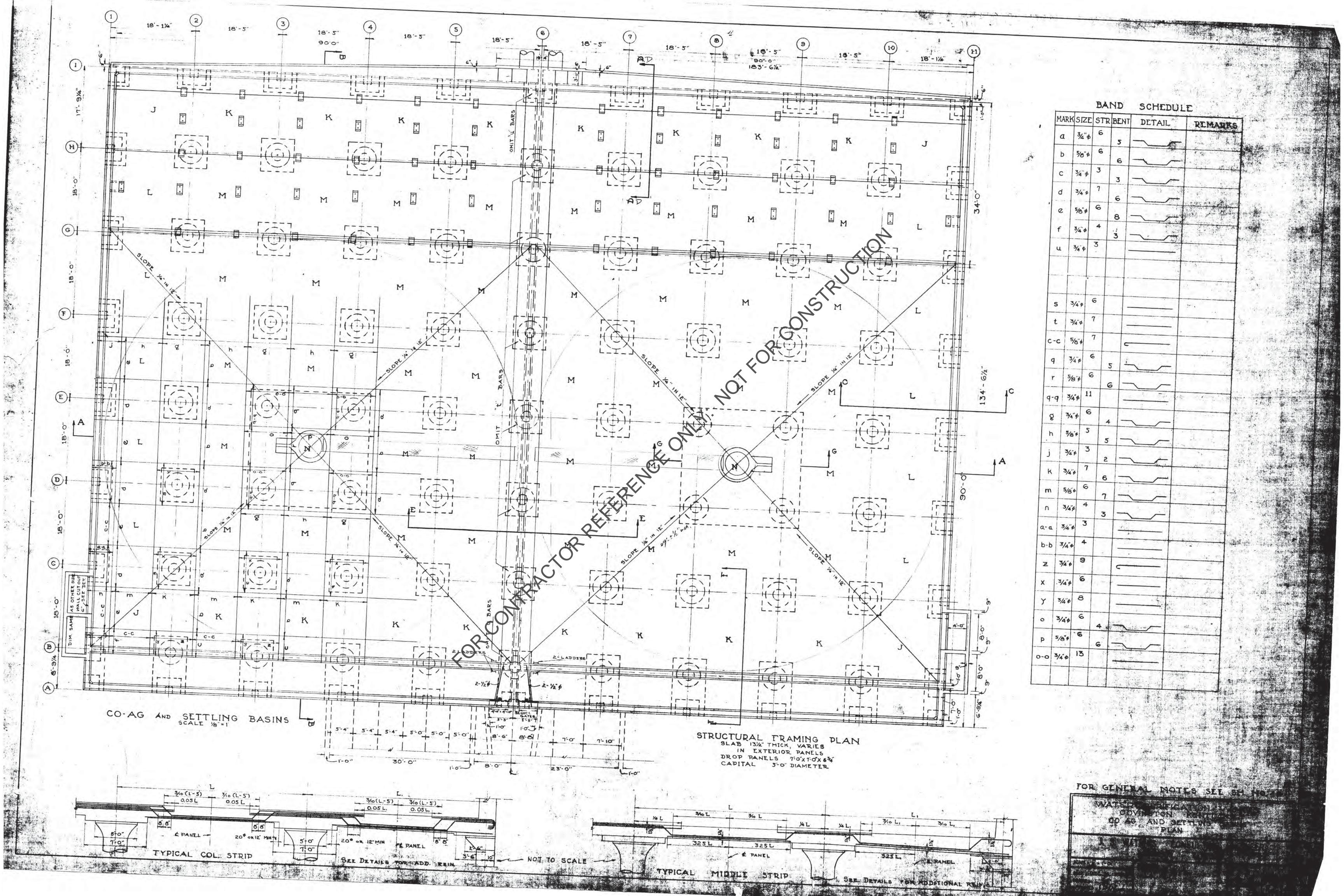


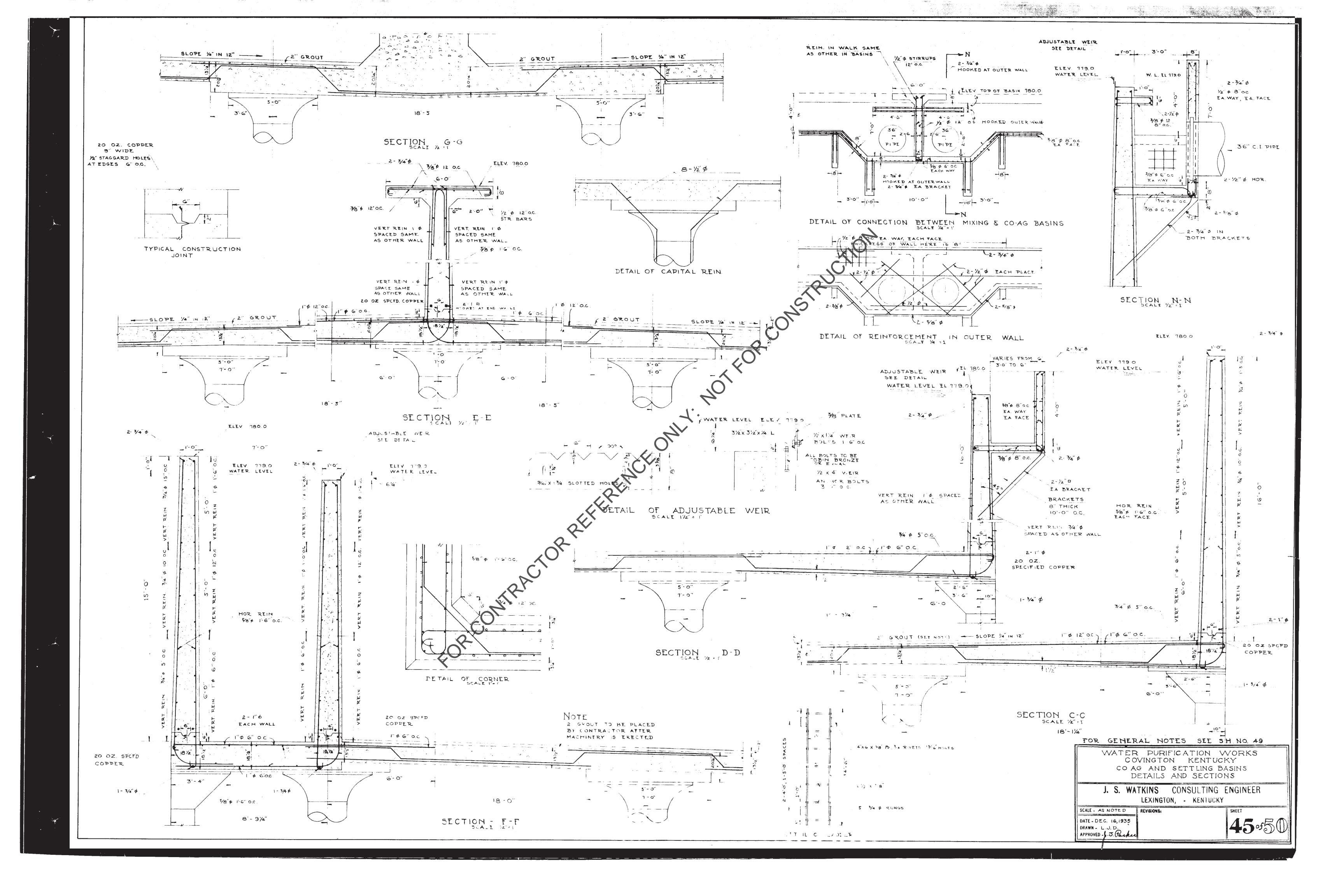


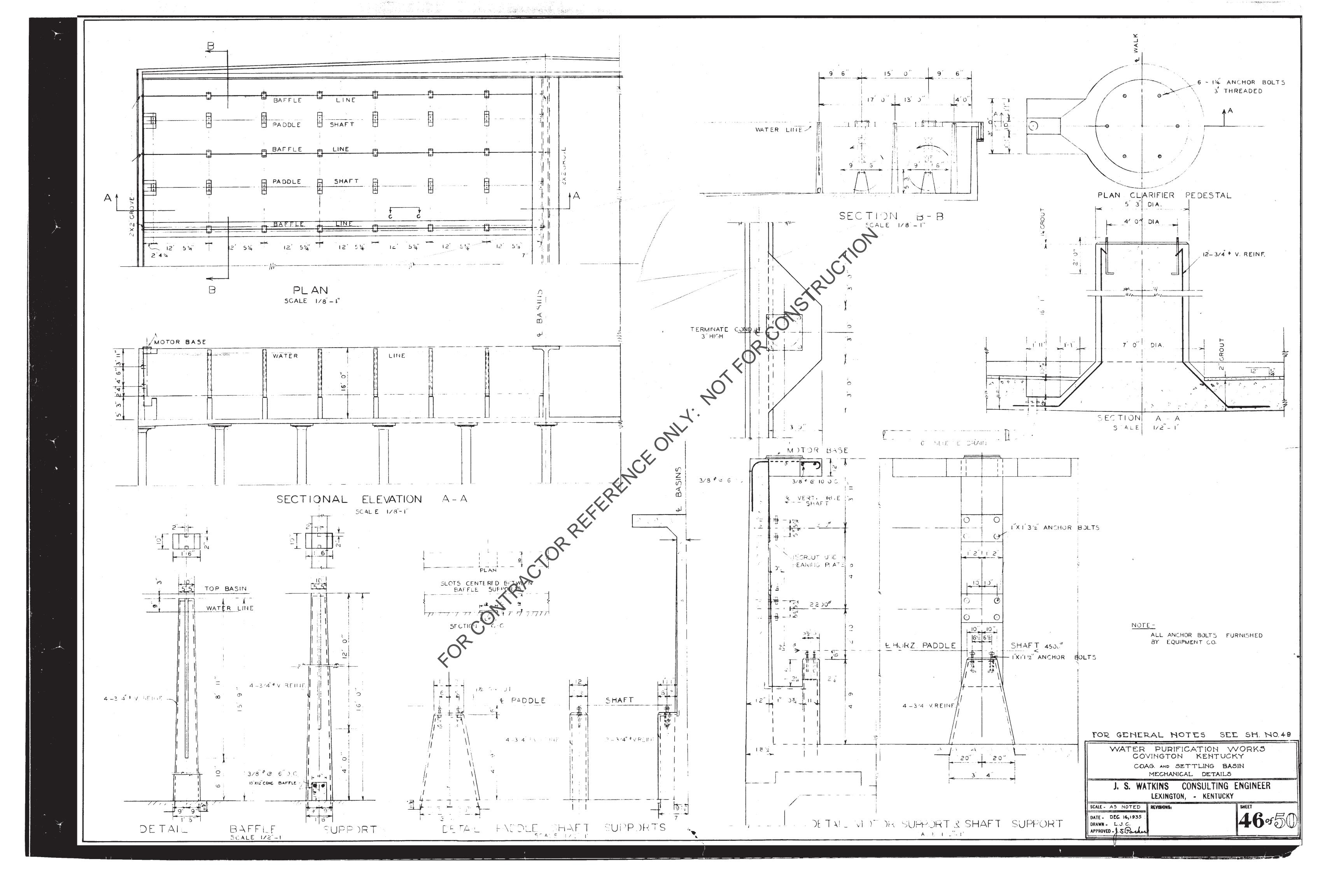














Subcontractor Name

OMB Control No: 2090-0030 Approved: 8/13/2013 Approval Expires: 8/31/2015

# Disadvantaged Business Enterprise (DBE) Program DBE Subcontractor Participation Form

An EPA Financial Assistance Agreement Recipient must require its prime contractors to provide this form to its DBE subcontractors. This form gives a DBE¹ subcontractor² the opportunity to describe work received and/or report any concerns regarding the EPA-funded project (e.g., in areas such as termination by prime contractor, late payments, etc.). The DBE subcontractor can, as an option, complete and submit this form to the EPA DBE Coordinator at any time during the project period of performance.

**Project Name** 

Bid/ Proposal	No.	Assistance Agreement ID	No. (if known)	Point of Contact	
Address					
Telephone No.			Email Address		
Prime Contrac	tor Name		Issuing/Fundir	ng Entity:	
Contract	Description	of Work Received from t	he Prime Contra	actor Involving	Amount Received
Item	-	onstruction, Services, Eq		0	by Prime
Number		•	-	•	Contractor

<sup>&</sup>lt;sup>1</sup> A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.205 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

<sup>&</sup>lt;sup>2</sup> Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an EPA award of financial assistance.



OMB Control No: 2090-0030 Approved: 8/13/2013 Approval Expires: 8/31/2015

## Disadvantaged Business Enterprise (DBE) Program DBE Subcontractor Participation Form

Please use the space below to report any concerns regarding the above EPA-funded project:		
Subcontractor Signature	Print Name	
Title	Date	

The public reporting and recordkeeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.



**Subcontractor Name** 

OMB Control No: 2090-0030 Approved: 8/13/2013 Approval Expires: 8/31/2015

## Disadvantaged Business Enterprise (DBE) Program DBE Subcontractor Performance Form

This form is intended to capture the DBE¹ subcontractor's² description of work to be performed and the price of the work submitted to the prime contractor. An EPA Financial Assistance Agreement Recipient must require its prime contractor to have its DBE subcontractors complete this form and include all completed forms in the prime contractors bid or proposal package.

**Project Name** 

Bid/ Proposal No.	Assistance Agreement	ID No. (if known)	Point of Contact	
Address	1		1	
Telephone No.		Email Address		
Prime Contractor Name		Issuing/Fundi	ng Entity:	
Contract Item Number	Description of Work Su Involving Construction,			Price of Work Submitted to the Prime Contractor
DBE Certified By: O DOT	SBA M	eets/ exceeds EPA o	certification standar	ds?
<u>O</u> Other:	<u>C</u>	YES O NO O	Unknown	

<sup>&</sup>lt;sup>1</sup> A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.205 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

<sup>&</sup>lt;sup>2</sup> Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an EPA award of financial assistance.



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## Disadvantaged Business Enterprise (DBE) Program DBE Subcontractor Performance Form

I certify under penalty of perjury that the forgoing statements are true and correct. Signing this form does not signify a commitment to utilize the subcontractors above. I am aware of that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 33 Section 33.302 (c).

Prime Contractor Signature	Print Name
Title	Date

Subcontractor Signature	Print Name
Title	Date

The public reporting and recordkeeping burden for this collection of information is estimated to average three (3) hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.



OMB Control No: 2090-0030 Approved: 8/13/2013

Approval Expires: 8/31/2015

## Disadvantaged Business Enterprise (DBE) Program DBE Subcontractor Utilization Form

This form is intended to capture the prime contractor's actual and/or anticipated use of identified certified DBE¹ subcontractors² and the estimated dollar amount of each subcontract. An EPA Financial Assistance Agreement Recipient must require its prime contractors to complete this form and include it in the bid or proposal package. Prime contractors should also maintain a copy of this form on file.

Prime Contractor Name		Project Name			
Bid/ Proposal No.	Assistance Agreeme	ent ID No. (if known)	Point of Co	ntact	
Address	1				
Telephone No.		Email Address			
Issuing/Funding Entity:					
I have identified potential DBE	7				
certified subcontractors		O YES		<u>©</u> NO	
If yes, please complete the table	le below. If no, please	explain:			
Subcontractor Name/ Company Name	Company A	ddress/ Phone/ Ema	il	Est. Dollar Amt	Currently DBE Certified?

<sup>&</sup>lt;sup>1</sup> A DBE is a Disadvantaged, Minority, or Woman Business Enterprise that has been certified by an entity from which EPA accepts certifications as described in 40 CFR 33.204-33.205 or certified by EPA. EPA accepts certifications from entities that meet or exceed EPA certification standards as described in 40 CFR 33.202.

<sup>&</sup>lt;sup>2</sup> Subcontractor is defined as a company, firm, joint venture, or individual who enters into an agreement with a contractor to provide services pursuant to an EPA award of financial assistance.



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Prime Contractor Signature	Print Name
Title	Date

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