



**BOARD OF COUNTY COMMISSIONERS
WARREN COUNTY, OHIO**

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***TOM GROSSMANN
SHANNON JONES
DAVID G. YOUNG***

**BOARD OF COUNTY COMMISSIONERS
WARREN COUNTY, OHIO**

MINUTES: Regular Session – March 5, 2019

The Board met in regular session pursuant to adjournment of the February 26, 2019, meeting.

Shannon Jones – present

Tom Grossmann – present

David G. Young – present

Tina Osborne, Clerk – present

Minutes of the meeting were read and approved.

- 19-0272 A resolution was adopted to approve end of 365 day probationary period and approve a pay increase for Cara Harrison within the Warren County Department of Job and Family Services, Children Services Division. Vote: Unanimous
- 19-0273 A resolution was adopted to approve end of 365-day probationary period and approve a pay increase for Brittney Yost within the Warren County Department of Job and Family Services, Children Services Division. Vote: Unanimous
- 19-0274 A resolution was adopted to accept the resignation of Jason Green, Part-time Mechanic II, within the Warren County Garage Department, effective February 1, 2019. Vote: Unanimous
- 19-0275 A resolution was adopted to hire Gary Grismer as Wastewater Treatment Plant Technician, within the Water and Sewer Department. Vote: Unanimous
- 19-0276 A resolution was adopted to approve and enter into Adoption Assistance Agreements on behalf of Ohio Department of Job and Family Services, Children Services Division. Vote: Unanimous
- 19-0277 A resolution was adopted to approve and enter into Adoption Assistance Agreements on behalf of Ohio Department of Job and Family Services, Children Services Division. Vote: Unanimous

- 19-0278 A resolution was adopted to approve and enter into Adoption Assistance Agreements on behalf of Ohio Department of Job and Family Services, Children Services Division. Vote: Unanimous
- 19-0279 A resolution was adopted to approve and authorize the Board of Commissioners to enter into agreements and addendums with Advanced Water Solutions on behalf of Facilities Management. Vote: Unanimous
- 19-0280 A resolution was adopted to enter into an exclusive and permanent drainage easement with Richard Raymond and Genevieve Brewster for the Townsley Drive Bridge Replacement Project. Vote: Unanimous
- 19-0281 A resolution was adopted to enter into an exclusive and permanent highway easement with Amy M. & Lawrence L. Adams for the Everett Avenue Bridge Replacement Project. Vote: Unanimous
- 19-0282 A resolution was adopted to waive permit fees associated with renovations of Rivers Crossing Community Church in Deerfield Township. Vote: Unanimous
- 19-0283 A resolution was adopted to authorize the President of the Board to enter into agreement with Robert Half Technology for salaried professional services on behalf of Warren County Information Technology. Vote: Unanimous
- 19-0284 A resolution was adopted to accept and approve the settlement and general release agreement and the self insured joint settlement agreement and release by and between Cassidy Cook and Warren County relative to BWC Claim #15-865590. Vote: Unanimous
- 19-0285 A resolution was adopted to appoint committee to review engineering qualifications for the procurement of professional engineering services related to the design of improvements to the Sycamore Trails Wastewater Treatment Plant. Vote: Unanimous
- 19-0286 A resolution was adopted to acknowledge payment of bills. Vote: Unanimous
- 19-0287 A resolution was adopted to enter into street and appurtenances (including sidewalks) security agreement with M/I Homes of Cincinnati, LLC for installation of certain improvements in Kerrisdale Subdivision, Section 1 situated in Deerfield Township. Vote: Unanimous
- 19-0288 A resolution was adopted to enter into a subdivision public improvements performance and maintenance security agreement with M/I Homes of Cincinnati, LLC for installation of certain improvements in Kerrisdale Subdivision, Section 1, situated in Deerfield Township. Vote: Unanimous
- 19-0289 A resolution was adopted to approve various record plats. Vote: Unanimous

- 19-0290 A resolution was adopted to accept amended certificate and approve supplemental appropriation adjustment within Sheriff's Office Fund #2293. Vote: Unanimous
- 19-0291 A resolution was adopted to approve an operational transfer from Motor Vehicle Fund #2202 into State OPWC Loan Fund #3360. Vote: Unanimous
- 19-0292 A resolution was adopted to approve a supplemental appropriation into County Commissioners' Fund #11011110. Vote: Unanimous
- 19-0293 A resolution was adopted to approve supplemental appropriations into Grants Administration Fund #2265. Vote: Unanimous
- 19-0294 A resolution was adopted to approve supplemental appropriations into Common Pleas Court Community Based Corrections #2289. Vote: Unanimous
- 19-0295 A resolution was adopted to approve supplemental appropriation into Common Pleas Court Community Based Corrections Fund #2289. Vote: Unanimous
- 19-0296 A resolution was adopted to approve supplemental appropriation into Fairgrounds Construction Project Fund #4498. Vote: Unanimous
- 19-0297 A resolution was adopted to approve supplemental appropriation into Property and Casualty Insurance Fund #6637. Vote: Unanimous
- 19-0298 A resolution was adopted to approve appropriation adjustment from Commissioners General Fund #11011110 into Recorder's Office Fund #11011160. Vote: Unanimous
- 19-0299 A resolution was adopted to approve appropriation adjustment from Commissioners General Fund #11011110 into Garage Fund #11011620. Vote: Unanimous
- 19-0300 A resolution was adopted to approve appropriation adjustment from Commissioners General Fund #11011110 into Sheriff's Office Fund #11012200. Vote: Unanimous
- 19-0301 A resolution was adopted to approve appropriation adjustment from Commissioners General Fund #11011110 into Sheriff's Office Fund #11012210. Vote: Unanimous
- 19-0302 A resolution was adopted to approve appropriation adjustment within Juvenile Court Fund #11011240. Vote: Unanimous
- 19-0303 A resolution was adopted to approve appropriation adjustment within Board of Elections Fund #11011300. Vote: Unanimous

- 19-0304 A resolution was adopted to approve appropriation adjustment within Facilities Management Fund #11011600. Vote: Unanimous
- 19-0305 A resolution was adopted to approve appropriation adjustment within the Building and Zoning Department Fund #11012300. Vote: Unanimous
- 19-0306 A resolution was adopted to approve appropriation adjustment within the OhioMeansJobs Warren County Fund #2258. Vote: Unanimous
- 19-0307 A resolution was adopted to approve an appropriation adjustment within Prosecutor Fund #2271. Vote: Unanimous

DISCUSSIONS

On motion, upon unanimous call of the roll, the Board accepted and approved the consent agenda.

Chris Brausch, Sanitary Engineer, was present along with Chris Wojnicz, Assistant Sanitary Engineer, and Robert Shoaf, AECOM, for a work session to provide an update on the Water Softening Upgrade Project within Warren County.

Mr. Wojnicz presented the attached PowerPoint presentation providing the history of the project, reviewing the preliminary budget and the posted plan to finance the upgrades including a \$30 M loan in 2020 and the collection of a \$3.75 per month capital fee on all users of the water system which is scheduled to be removed in 2026.

Mr. Wojnicz reviewed the design schedule and stated the project is on track to begin April 2020. He then reviewed the site layouts and project milestones.

Mr. Wojnicz reviewed various value engineering opportunities that have resulted in cost savings for the project.

There was discussion relative to opportunities to self-finance a portion of the project, resulting in a significant cost savings to the taxpayers.

Commissioner Young stated that this project was driven by market demand. He then iterated that like most other Warren County projects, this one is on schedule, if not ahead of schedule, under budget and the revenues to pay for the project are coming in higher than projected.

There was discussion relative to beginning discussions to market the softened water upon completion of the project.

Upon further discussion, it was determined that the next project update will be in July.

Chris Brausch, Sanitary Engineer, was present to discuss a waterline easement along Hendrickson Road that was a major factor in construction of the Lower Springboro Road Waterline Improvement Project. Mr. Brausch reminded the Board that this project will allow Warren County to provide water to its customers that we are currently purchasing water from the Village of Waynesville to supply.

Mr. Brausch explained that the homeowner granted this easement in exchange for road right of way improvements along the frontage of his property. It was determined that the improvements he requested were not nearly as costly as had been originally anticipated and the homeowner has requested the Board waive his tap in fees as additional compensation.

Mr. Brausch explained that this easement saved the project time and money and recommended the Board grant his request.

There was discussion relative to the legal aspect of waiving tap in fees after the easement has been granted.

Bruce McGary, Assistant Prosecutor, questioned if the property was appraised and it was determined that it was not.

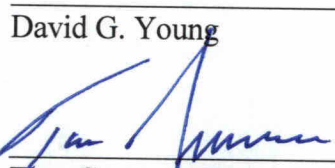
Commissioner Young stated that the waiving of tap in fees is not unique in exchange for an easement. He reviewed the request from the homeowner being that in good faith, what was considered to be reasonable compensation on our end ended up being minimal and now he is requesting the waiver of the tap in fees in order to equal a more reasonable compensation for the easement.

Upon discussion, it was determined that Mr. McGary will draft an amended easement agreement in order to address the request.

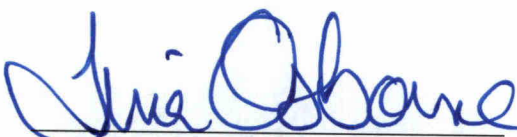
Bruce McGary, Assistant Prosecutor, stated that he has been informed by the Village of Waynesville's legal counsel that they will not be appealing the court's decision in favor of Warren County relative to the pending litigation over the current water purchase agreement and they will be paying Warren County's costs associated with the litigation as well as the damages awarded to us.

Upon motion the meeting was adjourned.


Shannon Jones, President

David G. Young

Tom Grossmann

I hereby certify that the foregoing is a true and correct copy of the minutes of the meeting of the Board of County Commissioners held on March 5, 2019, in compliance with Section 121.22 O.R.C.


Tina Osborne, Clerk
Board of County Commissioners
Warren County, Ohio



WATER & SEWER DEPARTMENT

Water Softening Upgrades

AGENDA

1. Water Softening Upgrades Update

Warren County Commissioners
March 5, 2019



Water & Sewer Department

Franklin Area WTP & Richard A. Renneker WTP



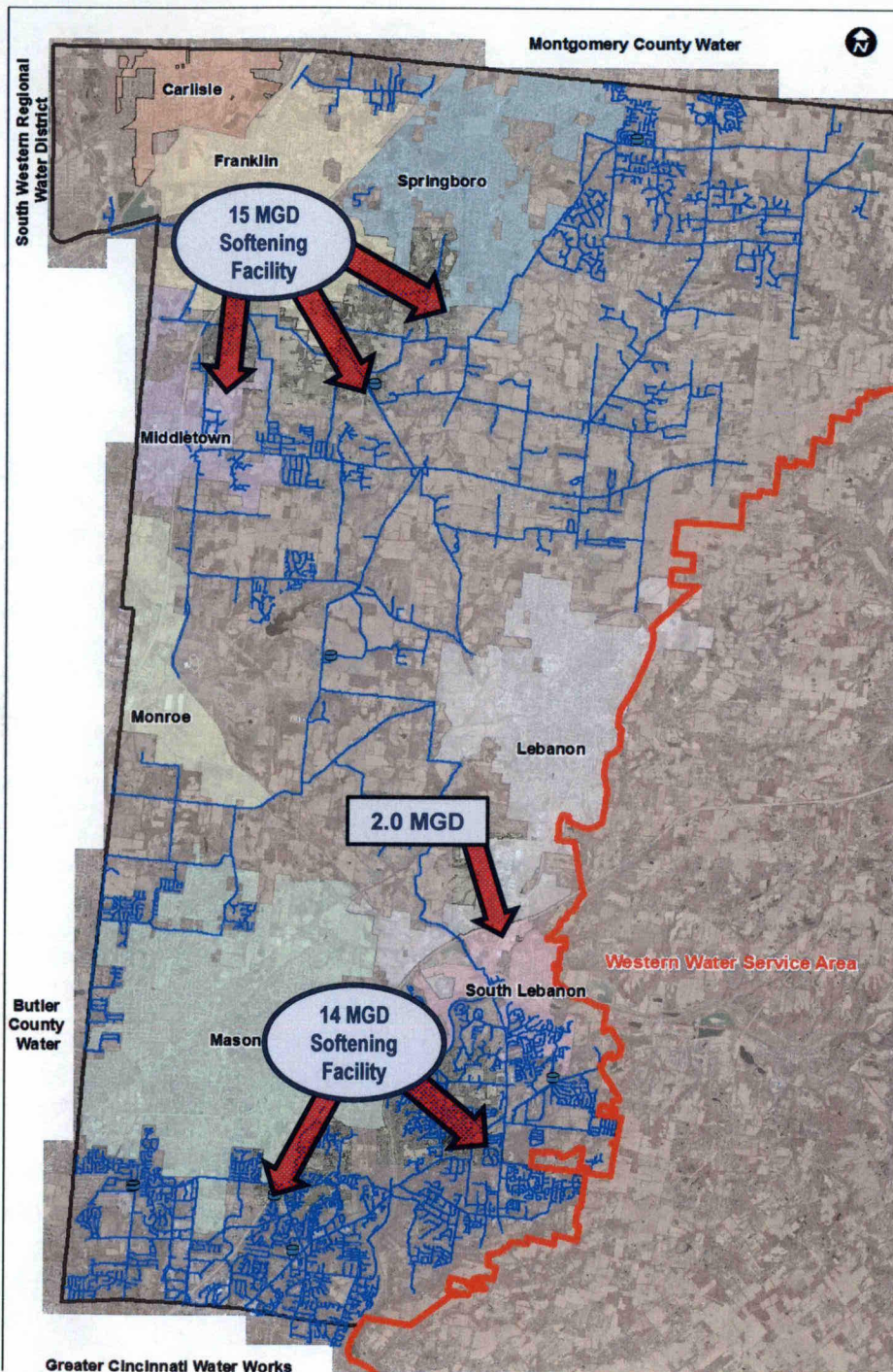
Preliminary Plan & Budget – October 2017

Budget

- Construction: \$50 Million
- Loan: \$30 Million in 2020

Customer Fees

- User Rate: 3% Increases
- Capital Fee: \$3.75/month
- Capital Fee Period: 2017-2026



Contract

Signed Contract with AECOM/Arcadis for Design Services on May 29, 2018

BOARD OF COUNTY COMMISSIONERS
WARREN COUNTY, OHIO

Resolution

Number 18-0872

Adopted Date May 29, 2018

APPROVE ENGINEERING AGREEMENT WITH AECOM TECHNICAL SERVICES INC., FOR THE DESIGN OF WATER TREATMENT PLANT UPGRADES AND SOFTENING FACILITIES AND APPROVE PURCHASE ORDER NO. 25074

WHEREAS, this Board of County Commissioners (the "Board") of the County of Warren, Ohio (the "County") recognizing the need for improvements to the County's water treatment facilities to provide additional capacity, improved water quality, and an increased level of service in the form of softened water to its customers, directed the Warren County Water and Sewer Department on September 5, 2017, through Resolution 17-1391, to issue a Request for Qualifications for aforesaid improvements; and

WHEREAS, Section 153.65-71 of the Ohio Revised Code identifies the requirements and procedures for procuring the services of a consulting engineering firm for the development of detailed plans, specifications, and bid documents for the aforesaid project; and

WHEREAS, five qualification submittals from engineering consulting companies were received, reviewed and evaluated by a review committee established by the Commissioners with the results of the review provided to the Board during a public work session; and

WHEREAS, on January 9, 2018 this Board interviewed the top three ranked engineering firms; and

WHEREAS, on January 23, 2018 this Board during a publically held work session discussed and ranked the engineering firms, of which a copy is attached hereto and made a part hereof; and

WHEREAS, this Board, on January 23, 2018, adopted Resolution 18-0096 directing the Water and Sewer Department to negotiate a contract for Engineering Services with AECOM; and

NOW THEREFORE BE IT RESOLVED, to enter into an Agreement with AECOM Technical Services, Inc., for study and design engineering services for the above referenced project, subject to the following conditions:

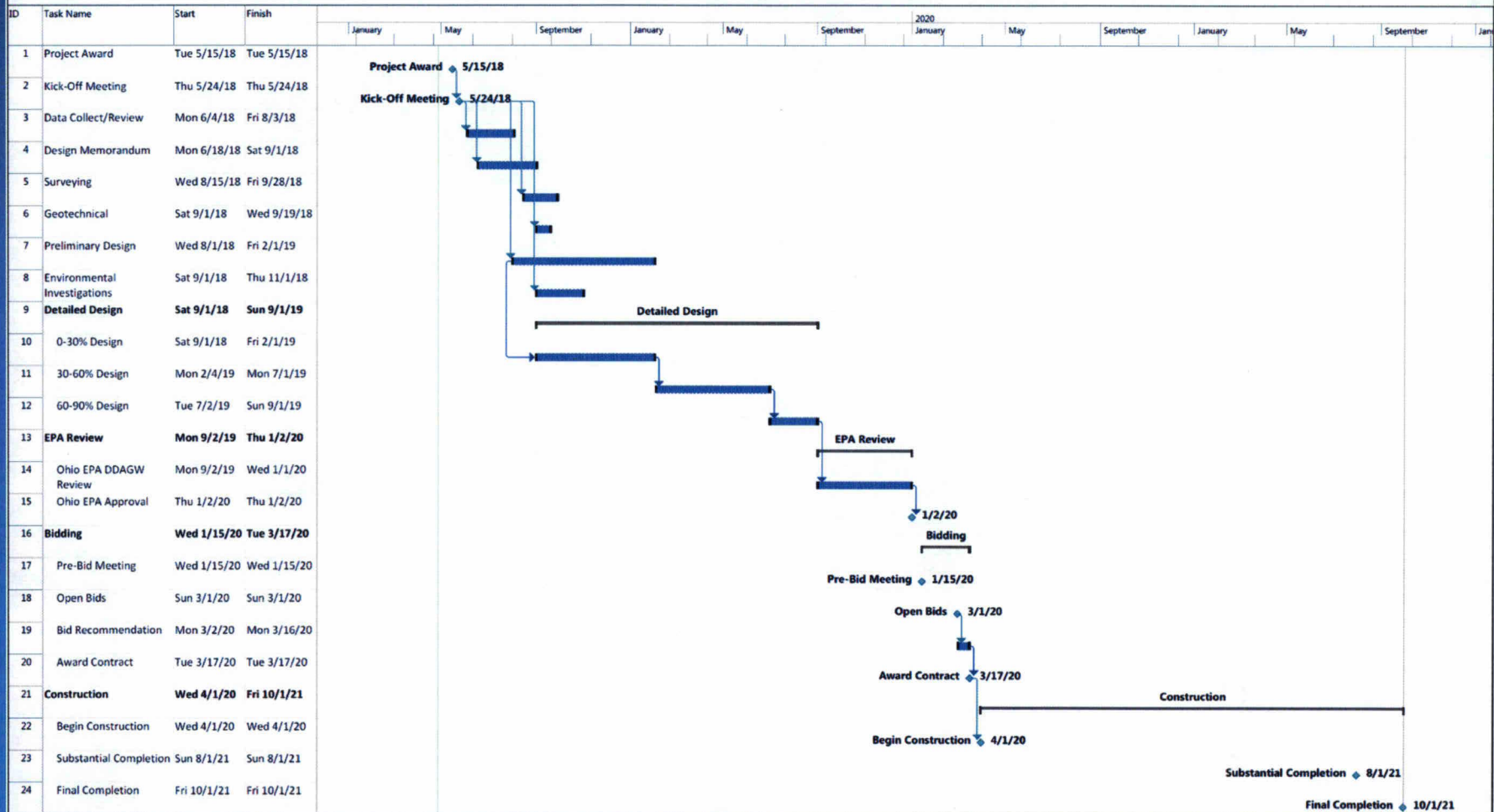
1. The scope of services shall be as stipulated in the "Engineering Agreement" attached hereto and made part thereof.
2. Compensation shall be in accordance with the provisions of the "Engineering Agreement" and the attachment thereto.

BE IT FURTHER RESOLVED to approve Purchase Order number 25074 in the amount of \$4,519,000 for said engineering services.



Engineering Schedule

Warren County Water & Sewer Department Water Treatment Plant Membrane Softening Upgrades

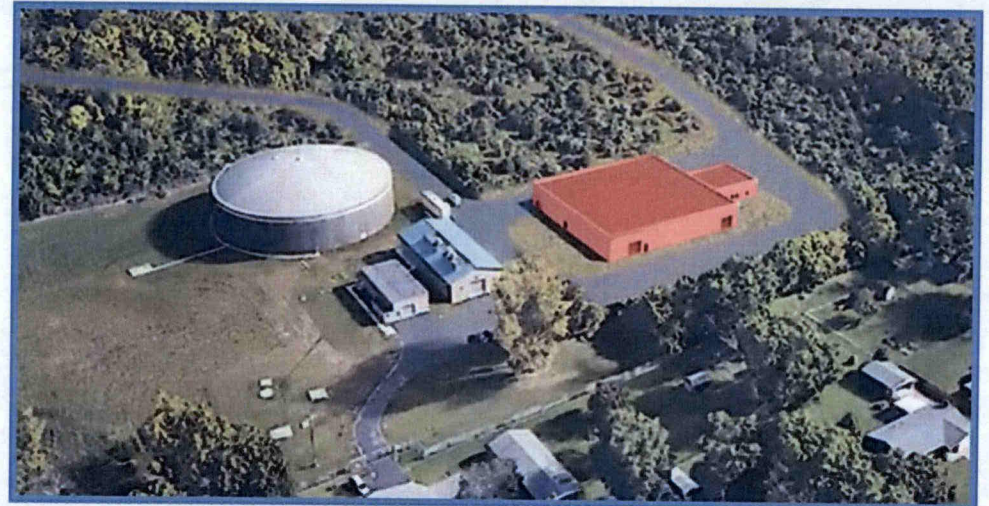


Site Layout

Renneker



Franklin



**** Roof will be Pitched Metal Roof –
See 30% Drawings**

Project Milestones

October 2018 – Met with Ohio EPA to discuss NPDES permit, permit to discharge to Little Miami River and Great Miami River.

October 2018 – AECOM/Arcadis confirmed future expansion of North Wellfield presents very similar water characteristics and minimal changes would be necessary to proposed membrane process

November 2018 – Met with Little Miami Conservancy to discuss discharge.

November 2018 – Surveying begins.

December 2018 – Submitted NPDES permit applications for both plants.

February 2019 – Public Hearing for NPDES permit in Little Miami River – no comments.

Project Milestones

February 2019 – Preliminary Design Report submitted to County. Forwarded on to the Board.

February 2019 – Signed construction contract for installation of new filter media – allow for re-rating of filter to 5 GPM/SF ~ 17 MGD & Aeration Improvements.

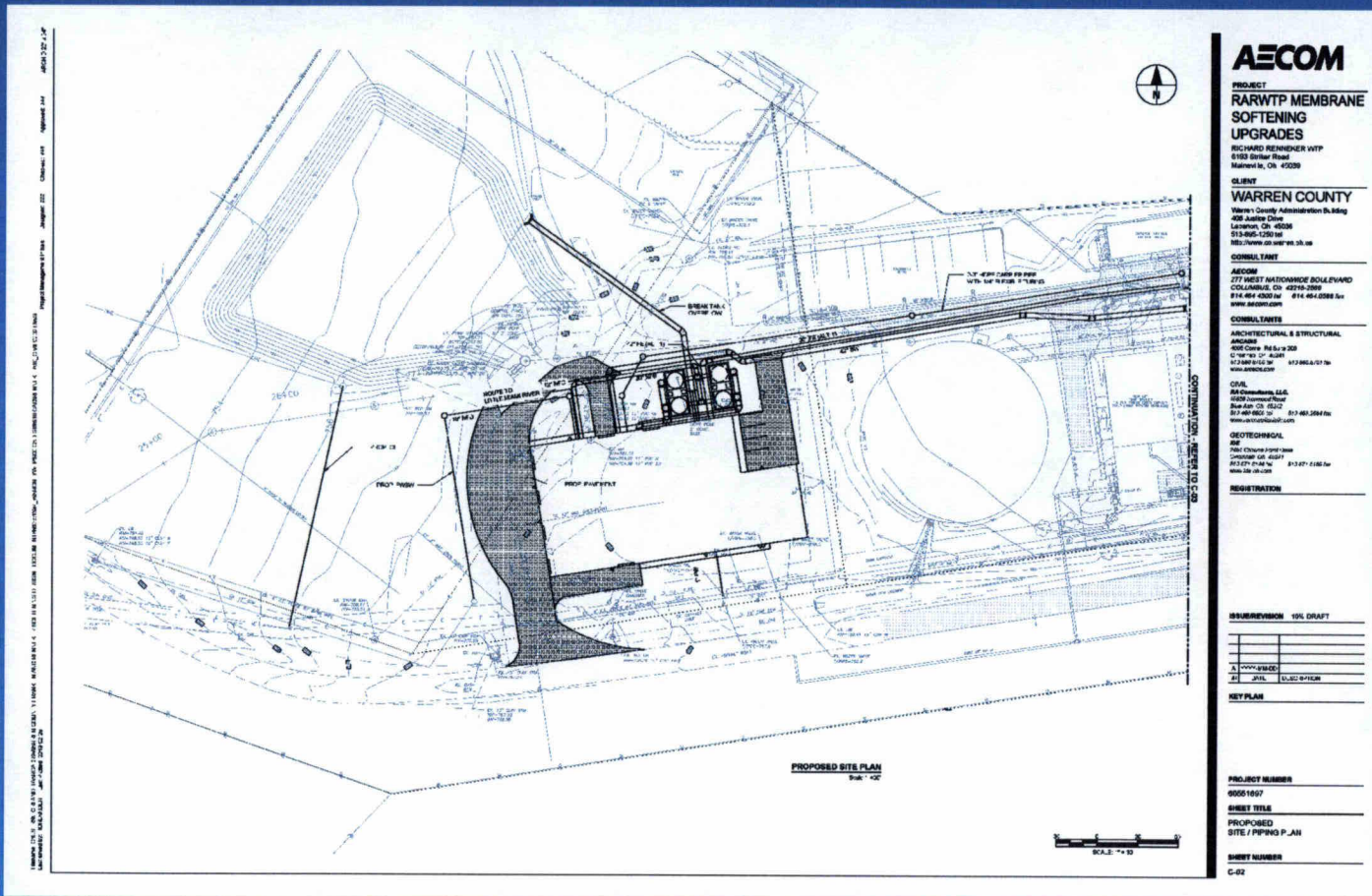
March 2019 – Nomination forms submitted for Water Supply Revolving Loan Account (WSRLA) funding through OEPA DEFA branch.

March 2019 – 30% drawings submitted for review by County.

Richard A. Renneker Water Treatment Plant

Noteworthy Items:

- 1) Minimal Site Work necessary due to current layout for chemical deliveries.



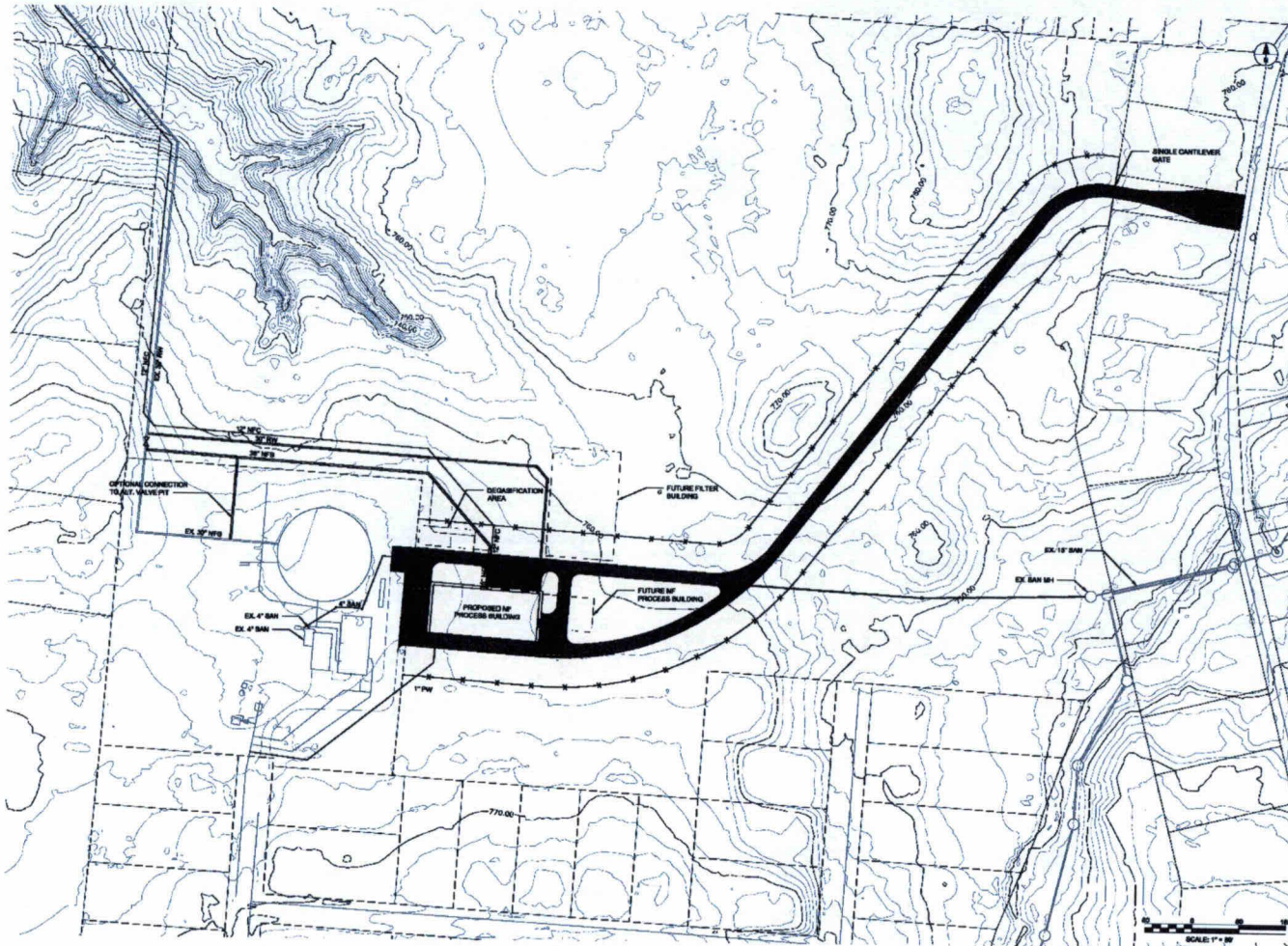
Franklin Area Water Treatment Plant

Noteworthy Items:

- Main Entrance to be relocated from Shelly Street to Shaker Road
- New membrane facility and existing Shelly pump station to be connected to public sanitary, septic system to be abandoned.

Franklin Area Water Treatment Plant

PROJECT: FRANKLIN AREA WATER TREATMENT PLANT
 SHEET: 00001007
 DATE: 08/11/09
 SCALE: 1" = 40'
 DRAWN BY: J. W. BROWN
 CHECKED BY: J. W. BROWN
 APPROVED BY: J. W. BROWN
 PROJECT MANAGER: J. W. BROWN
 CLIENT: WARREN COUNTY
 CONSULTANT: AECOM



AECOM

PROJECT
FAWTP MEMBRANE SOFTENING UPGRADES
 FRANKLIN AREA WTP
 6048 Shady Street
 Franklin, Oh 45005

CLIENT
WARREN COUNTY

Warren County Administration Building
 405 Justice Drive
 Lebanon, Oh 45009
 614-896-1280 tel
<http://www.oh.warren.oh.us>

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 277 WEST NATIONWIDE BOULEVARD
 COLUMBUS, Oh 43219-2698
 614-856-6500 tel 614-856-0559 fax
www.aecom.com

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ARCHITECTURAL & STRUCTURAL
ARCADIS
 4900 Central Rd Suite 100
 Cincinnati, Oh 45241
 614-963-0700 tel 614-963-0707 fax
www.arcadis.com

CIVIL
JR. STEINBERG, LLC
 10500 Mansfield Road
 New Ash, Oh 45842
 614-688-8000 tel 614-688-2884 fax
www.steinberg.com

GEOTECHNICAL
GEI
 2811 Chardon Road
 Chardon, Oh 44024
 614-671-8144 tel 614-671-8100 fax
www.gei-oh.com

REGISTRATION

NO.	DATE	DESCRIPTION

REVISION

NO.	DATE	DESCRIPTION

KEY PLAN

NO.	DATE	DESCRIPTION

PROJECT NUMBER

00001007

SHEET TITLE

OVERALL SITE PLAN

SHEET NUMBER

C-01



Value Engineering Opportunities

- Repurpose existing chemical building at Richard A. Renneker WTP for chlorine and fluoride. Savings of \$300,000.
- Use Abandoned 12" watermain on Richard A. Renneker property (2006 Upgrade) as discharge line to Little Miami River. Savings of \$100,000.
- Degasification to be used in place of caustic soda at both plants. (Raises pH) 20 Year Present Worth Savings of \$1.9M.



Value Engineering Opportunities

- Use existing generator at Richard A. Renneker rather than upgrade to size capable of running membranes. Softened water is not a critical part of treatment during outages. Savings of \$200,000.

Changes Since Preliminary Plan & Budget – Take Aways from Preliminary Design Report

- Construction schedule may increase from 18 months to 24 months due to workplace demand
- Construction budget has reduced from \$50M to \$48M.
- Anticipated loan request has decreased from \$30M to \$26M. Could potentially decrease to \$22M with staggered construction, with option to partner with Treasurer on 5 Year Note at ~ 2.75%.
- Design of facilities will remain at 15 MGD for Franklin and 14 MGD for Renneker, however installation of membranes will reflect 10.3 MGD and 13.7 MGD respectively due to current ratings of wellfields and revised growth projections.

Design Parameters

	RARWTP				FAWTP			
	Previous Design	Proposed Design	Expansion 1	Expansion 2	Previous Design	Proposed Design*	Expansion 1	Expansion 2
Finished Water Capacity (MGD)	12.6	13.7	14.0	22.0	9.7	10.3	15.0	30.0
NF Bypass (MGD)	4.6	5.0	5.1	8.0	4.5	4.8	7.0	14.0
NF Permeate (MGD)	8.0	8.7	8.9	14.0	5.2	5.5	8.0	16.0
Membrane Array	27:13x7m	24:12x7m	24:12x7m	24:12x7m	27:13x7m	28:14x7m	28:14x7m	28:14x7m
# of NF Skids	5	6	6	10	3	3	5	10
Membrane Flux (gfd)	14.3	14.4	14.7	13.9	15.4	15.6	13.6	13.6

Contract with GCWW

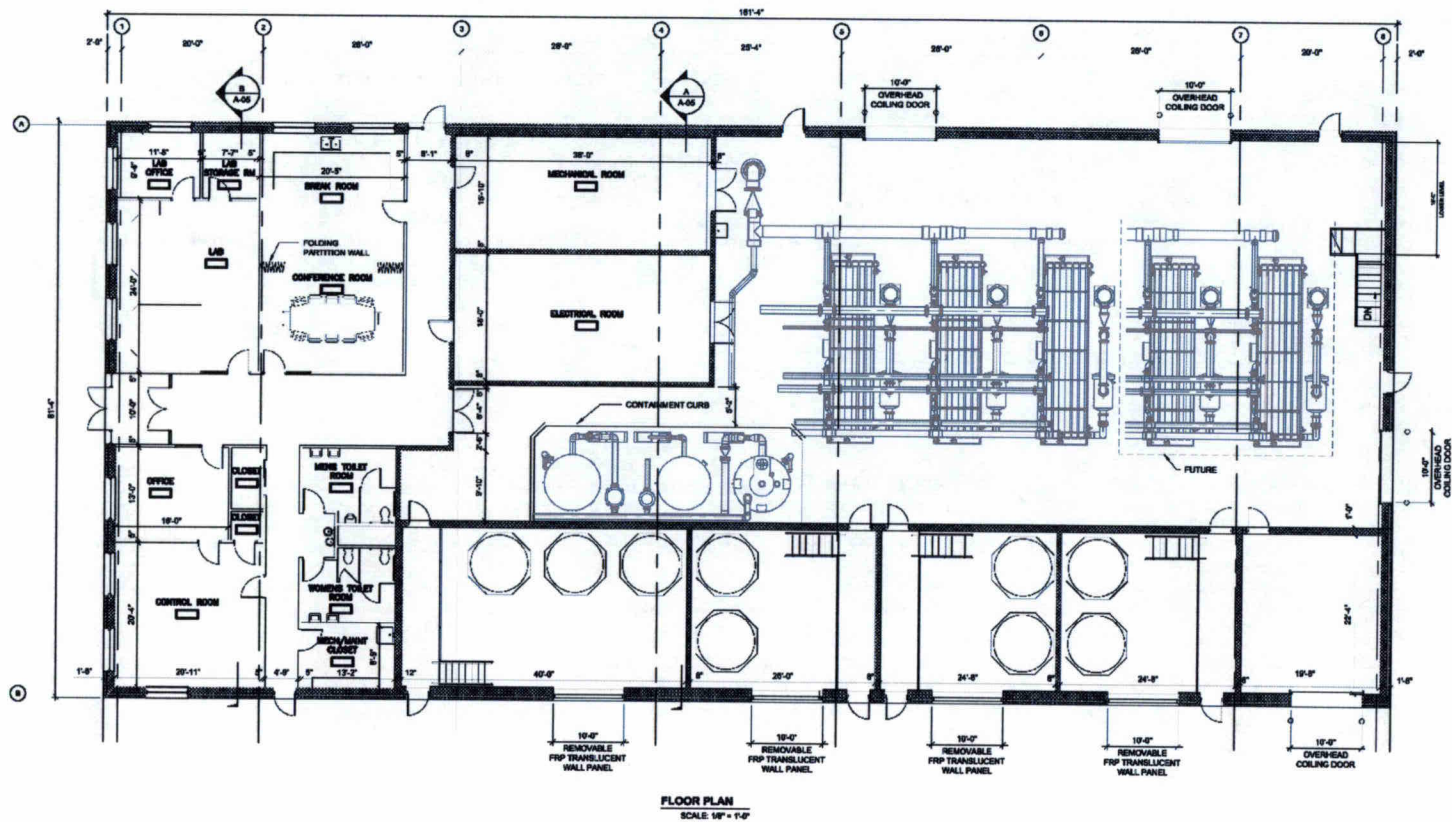
- Contract end date remains 12/31/2025. No clear out, reviewed by Prosecutor's office.
- Must notify by 12/31/2023 of intent to buy back Socialville ground storage tank. Value based on depreciation.
- Our department plans on meeting with GCWW soon to discuss our preliminary design and our plans for start up.
- May decide to stagger construction, Franklin 2020, Renneker 2022.

30% Drawings – To Be Reviewed

ARCH 10 21' x 14'

Project Management: Designer: 888 Checker: 888 Approver: 888

Name: C:\USERS\ADMINISTRATOR\BUREAU\COUNTY\FINAL\A AND B\DESIGNS\30% FINAL DESIGN - DOCUMENT\MEMBRANE_MBR\COUNTY\FAWTP\30%_CAD\CAD\FLOOR PLAN_ARCHITECTURAL\A-02.DWG
 User: 10/20/2010 10:42:00 AM
 Last Saved By: 10/20/2010 10:42:00 AM



AECOM

PROJECT
FAWTP MEMBRANE SOFTENING UPGRADES
 FRANKLIN AREA WTP
 8848 Shelby Street
 Franklin, Oh 43005

CLIENT
WARREN COUNTY
 Warren County Administration Building
 408 Justice Drive
 Lebanon, Oh 43058
 613-985-1250 tel
 18p@warren.co.oh.us

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 277 WEST MATHIASBURG BOULEVARD
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 www.aecom.com

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ARCASB
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 Cincinnati, Oh 45241
 513.860.8700 tel 513.860.8701 fax
 www.arcasb.com

CIVIL
SB Consultants, LLC
 10858 Rosewood Road
 Blue Ash, Oh 45242
 513.488.8800 tel 513.488.9884 fax
 www.sbconsultants.com

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 5451 Crossen Field Drive
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REGISTRATION

ISSUE/REVISION

NO.	DATE	DESCRIPTION

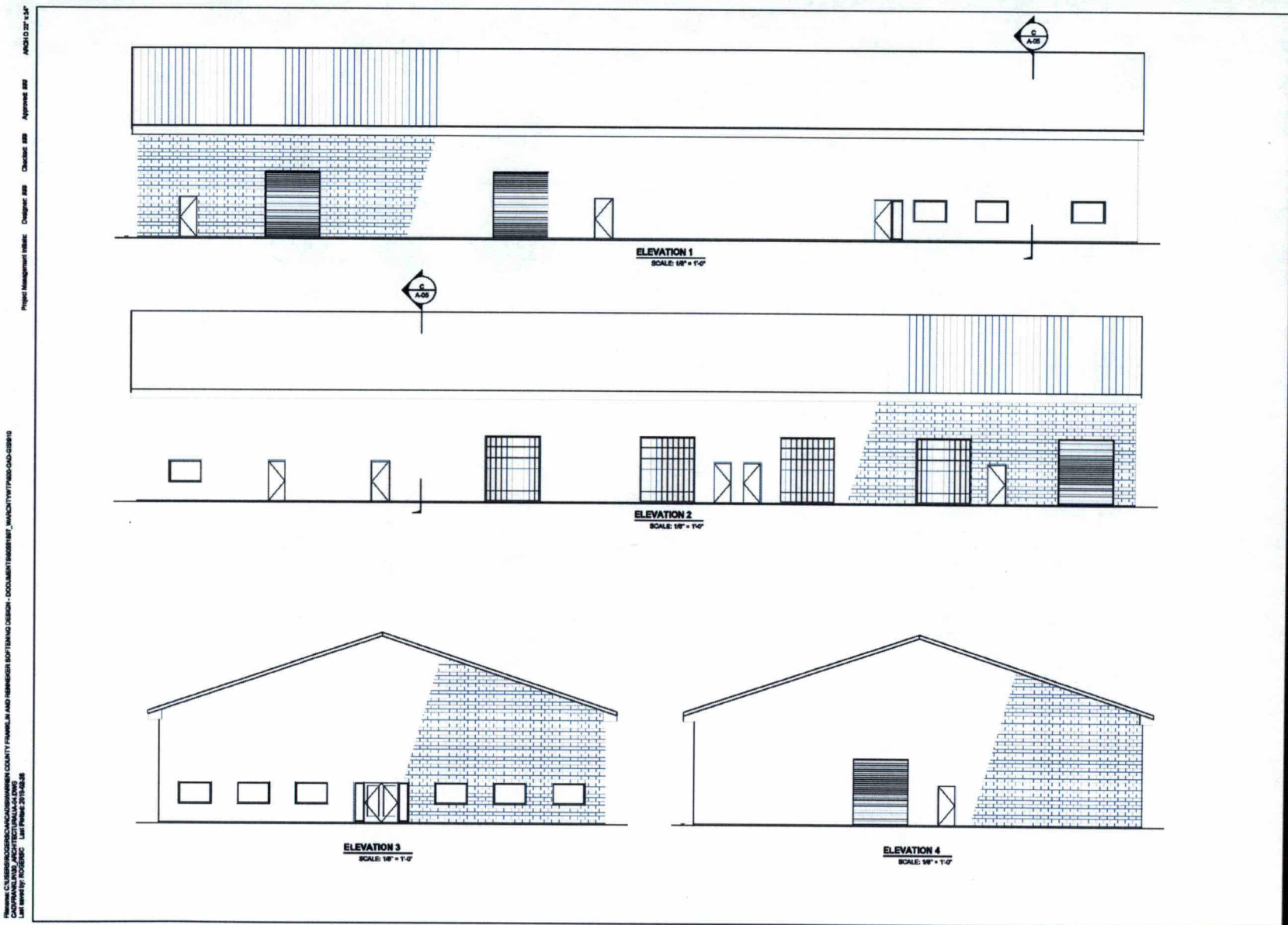
KEY PLAN

PROJECT NUMBER
80551087

SHEET TITLE
MEMBRANE BUILDING FLOOR PLAN

SHEET NUMBER
A-02

30% Drawings – To Be Reviewed



AECOM

PROJECT
FAWTP MEMBRANE SOFTENING UPGRADES
 FRANKLIN AREA WTP
 8648 Shelby Street
 Franklin, Oh 45005

CLIENT
WARREN COUNTY
 Warren County Administration Building
 408 Justice Drive
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REGISTRATION

ISSUE/REVISION

NO	DATE	DESCRIPTION

KEY PLAN

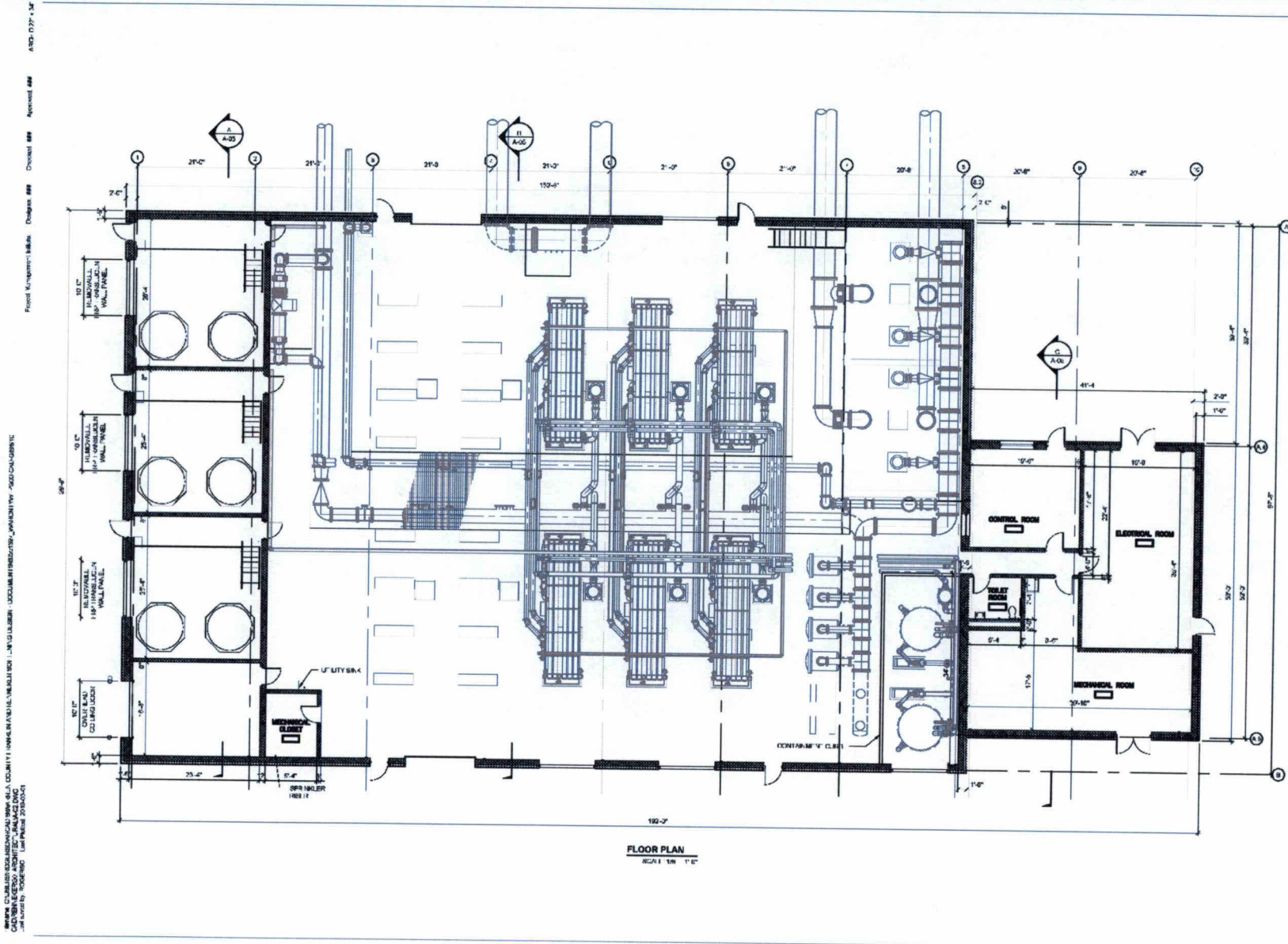
PROJECT NUMBER
 60561667

SHEET TITLE
 MEMBRANE BUILDING
 ELEVATIONS

SHEET NUMBER
 A-04

PROJECT MANAGEMENT: [unreadable] APPROVED: [unreadable] CHECKED: [unreadable] DESIGNED: [unreadable]
 DRAWING NO: 15-02-134
 DATE: 2015.08.28
 LAYOUT BY: [unreadable]

30% Drawings – To Be Reviewed



PROJECT: RARWTP MEMBRANE SOFTENING UPGRADES
 CLIENT: WARREN COUNTY
 CONSULTANT: AECOM
 ARCHITECTURAL & STRUCTURAL: ARCADIS
 CIVIL: RA CONSULTANTS, LLC
 GEOTECHNICAL: GSI
 REGISTRATION: [blank]
 ISSUE/REVISION: [blank]
 PROJECT NUMBER: 60651067
 SHEET TITLE: MEMBRANE BUILDING FLOOR PLAN
 SHEET NUMBER: A-02

AECOM

PROJECT
RARWTP MEMBRANE SOFTENING UPGRADES
 RICHARD RENNEKER WTP
 6163 Stillier Road
 Maineville, OH 45030

CLIENT
WARREN COUNTY
 Warren County Administration Building
 408 Justice Drive
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 www.gsi.com

REGISTRATION

ISSUE/REVISION

NO.	DATE	DESCRIPTION

KEY PLAN

PROJECT NUMBER
60651067

SHEET TITLE
MEMBRANE BUILDING FLOOR PLAN

SHEET NUMBER
A-02

Future Milestones

- NPDES Permit Approval
- 30% Drawing Review
- Meet with GCWW
- 60% Design Drawings – June 2019
- 90% Design Drawings – August 2019
- OEPA Review – September 2019
- Begin Construction of Socialville Transmission Main (Route TBD)
- Bid Project – January 2020
- Begin Public Outreach regarding water softeners and new settings, cost savings on salt
- Construction – January 2020/2022
- Next Board Update – July 2019