

## BERKELEY COUNTY PUBLIC SERVICE SEWER DISTRICT BERKELEY COUNTY, WEST VIRGINIA

CONTRACT #10 – OPEQUON HEDGESVILLE WWTP UPGRADES

**ADDENDUM #2** 

April 1, 2022

THRASHER PROJECT NO. 020-10042

TO WHOM IT MAY CONCERN:

A Non-Mandatory Pre-Bid Conference was held at 2 PM on Tuesday, March 8, 2022, for the above-referenced project. A copy of the notes from that meeting and the sign-in sheet were enclosed with Addendum #1.

The following may include changes regarding general items, specifications, and drawings, responses to questions received prior to the conference, at the conference, and after the conference, and clarifications.

Description(s) of equipment, materials, and/or products approved "as equal" to date prior to bid opening may also be provided in this Addendum. Please note that these approvals/disapprovals are made by the Engineer for this specific project based on the best available information and shall not be construed as precedent for approval/disapproval on other future projects of The Thrasher Group, Inc. The Contractor shall be responsible for any and all changes necessary to accommodate any approved "as equal" equipment, materials, and/or products at no additional cost to the Owner.

Attention is directed to the fact that while information provided in this Addendum may reference specific locations in the Plans and Specifications, the information provided shall be applied to all applicable locations is the Plans and Specifications.

Please acknowledge receipt of all Addenda in the Bid Opening Requirements and in the Bid Form.

## A. GENERAL

1. Bidders are hereby notified to acknowledge receipt of all addenda in space provided on the Bid Form.

## B. **SPECIFICATIONS**

The Bid Opening Requirements have been revised to eliminate the WVIJDC WV Jobs Act requirements. Use the attached revised Bid Opening Requirements for Bidding.

## C. <u>DRAWINGS</u>

- 1. ADD Sheets 7A, 7B, and D6 included with this Addendum No.2.
- 2. **REPLACE** Sheet 3, 5, 8, 9, S1 included with this Addendum No.2.
- 3. REPLACE Sheets E1, E2, E3, E4, and E5 included with this Addendum No.2.

## D. <u>CLARIFICATIONS</u>

- 1. The new Bid Opening date for the Opequon-Hedgesville WWTP Upgrades is to be held at 2 PM on April 19<sup>th</sup>, 2022, at the Berkeley County PSSD office at 65 District Way Martinsburg, WV 25402. Further questions regarding the project will be received until April 8<sup>th</sup>, 2022.
- 2. The Pre-Engineered Building will be bid per the existing plan set. However, due to expressed lead time concerns with this item, alternatives to the Pre-Engineered Building will be considered if all structural requirements are met. The responsibility of alternative buildings will be that of the contractor and will comply with Specification section 133419 Delegated-Design Submittal: Include analysis data indicating compliance performance requirements and design data sheet and sealed by the qualified professional engineer responsible for their preparation.
- 3. The contractor is responsible for storing and handling all required materials for the Opequon Hedgesville WWTP Upgrades.

## E. QUESTIONS AND RESPONSES

#### **QUESTION**

1. What is the Engineer's Opinion of Probable Construction Cost?

#### RESPONSE

About \$1.0 million

2. Where will the existing belt press be stored on site? **RESPONSE** 

The storing of the belt press will be at the location of the Opequon-Hedgesville WWTP.

#### **QUESTION**

3. What is the height of the retaining wall?

#### **RESPONSE**

A minimum of 3 feet exposed. Per Spec section 323223 – Delegated design: Engage a qualified professional engineer, as defined in Section 014000 "Quality Requirements," to design segmental retaining walls.

#### **QUESTION**

4. Is a retaining wall necessary? Can it be graded instead?

#### RESPONSE

The retaining wall will be necessary, grading will not be adequate.

#### **QUESTION**

5. Who is responsible to maintain and operate the belt press during construction?

#### RESPONSE

The contractor is responsible to furnish and install all temporary facilities, but BCPSSD will operate the provided temporary facilities.

### **QUESTION**

6. Can a 24" standing seam panel be used instead of a 16"?

#### RESPONSE

Reference Spec section 133419 – Delegated-Design Submittal: Include analysis data indicating compliance performance requirements and design data sheet and sealed by the qualified professional engineer responsible for their preparation. The Thrasher Group will comply with the judgement of the delegated professional engineer given compliance with Spec Section 133419 and structural loads provided on Sheet #S6 of the drawings under "General Structural Notes".

7. Will the steel from the current catwalk be enough steel to reuse for the new catwalk?

#### RESPONSE

No. All new material will be required to construct the catwalk. Structural requirements of the new catwalk are entailed on Sheet #S6 of the drawings under "General Structural Notes".

#### **QUESTION**

8. Will a waterproof admixture concrete be required per included Spec. Section 033050?

#### RESPONSE

The concrete to be used will not require waterproof admixtures.

### **QUESTION**

9. What are the necessary structural load capacities of the new press building?

#### RESPONSE

The structural capacities of the new press building are provided on Sheets S6, 7A, and 7B of the drawings. The building shall comply with Spec Section 133419 – Metal Building Systems.

#### **QUESTION**

10. What are the weights of the new conveyors to be utilized?

#### **RESPONSE**

Conveyor No.1 is 3,000 LBS and conveyor No.2 is 1,300 LBS. Conveyors No. 3 and 4 are 2,125 LBS each. Refer to Sheets 7A and 7B for the conveyor details.

#### **QUESTION**

11. Who will be the Project Representative from The Thrasher Group?

#### RESPONSE

The Project Representative has not yet been selected for this project.

12. The county is currently providing chemicals, hauling, and tipping fees for the disposal of the sludge cake. Will they continue to assume these costs during temporary dewatering?

#### **RESPONSE**

Yes.

### **QUESTION**

13. How many loads of what size or how many tons of cake are currently produced daily – how many days a week?

#### RESPONSE

Typically, one 20 yard dumpster at 12-14 tons per day or 1-2 spreader trucks at 10 tons each per day Monday-Friday.

#### **QUESTION**

14. What is required moisture content for the landfill?

#### **RESPONSE**

20%.

#### **QUESTION**

15. What is the scope of supply for the equipment that is furnished by the owner?

#### **RESPONSE**

1 EA Belt Filter Press, 1 EA Polymer Blending and Feed Equipment, 1 EA Sludge Conveyor System and all other associated appurtenances for a complete operable system.

#### **QUESTION**

16. Is the existing overhead roll up service door to be utilized or is a new one required?

#### RESPONSE

A new door will be required to meet the requirements per Spec. Section 083323.

17. What is the weight of the new belt press?

#### **RESPONSE**

See "General Structural Notes" on Sheet #S6 of the drawings. Filter Press Per Manufacturer – 19,650 LB Static, 24,800 LB Dynamic.

#### **QUESTION**

18. Screw Conveyor – Are all sensors and cables included?

#### **RESPONSE**

The safety switch and motion failure alarm probe do not come with any wiring. The JDV Levels system will come with wiring. The JDV Levels system includes the dumpster protection sensor.

#### **QUESTION**

19. Screw Conveyor – Are the sensors prewired or will the contractor be installing conduit and cables?

#### **RESPONSE**

No, they are not prewired. The contractor will be responsible for installation of conduit and cables.

#### **QUESTION**

20. Screw Conveyor – Is the control panel included?

#### RESPONSE

Yes. Controls are in the belt press panel for the conveyor.

#### **QUESTION**

21. Screw Conveyor - Is there one control panel or four separate control panels?

#### RESPONSE

There is one control panel.

22. Screw Conveyor - Where will the control panel be located?

#### RESPONSE

The electrical drawings for the location of the screw conveyor control panel will be provided in this Addendum.

#### **QUESTION**

23. Screw Conveyor – Are the VFD's sized and included?

#### **RESPONSE**

No. They are not required.

#### **QUESTION**

24. Belt Press – Is there a separate control panel for the press or will its components be in the same control cabinet as the screw conveyor?

#### **RESPONSE**

The control panel for the belt press is the same control panel for the conveyors.

#### **QUESTION**

25. Belt Press – Are the motors prewired to the control panel?

#### **RESPONSE**

Motors are not prewired to the panel.

#### **QUESTION**

26. Belt Press – Are termination boxes provided or do all electrical connections individually wired to the control panel?

#### **RESPONSE**

Electrical connections are individually wired to the control panel.

27. Belt Press – Are the VFD's sized and included in the package?

#### RESPONSE

The VFD for the belt drive is included.

#### **QUESTION**

28. Where is the close-coupled submersible centrifugal pump located?

#### **RESPONSE**

BCPSSD is now going to purchase the close-coupled submersible pump themselves. It will not be installed as it is simply serving as a backup to the existing. It is no longer in the scope of this project.

#### **QUESTION**

29. Press Building – Referencing Sheet #9, What is the requirement for doors (D1-D4)? Would FRP doors be considered?

#### **RESPONSE**

Press Building - Doors D1-D4 are to be insulated aluminum doors, they are not to be substituted for FRP doors.

#### **QUESTION**

30. Press Building - Is R-38 roof insulation required over the existing modified Belt Press Building? If not, what is required?

#### **RESPONSE**

Reference Spec. Section 133419 – Metal Building Systems for the "Thermal Insulation" section for these requirements.

#### **QUESTION**

31. Press Building – Will EF-1 & EF-2 per roof exhaust fan schedule on Sheet #M1 take place of the roof ventilators described in Spec. Section 133419?

#### RESPONSE

Yes, they will satisfy that requirement.

32. The manufacturer for the Pre-Engineered Metal Building will be supplying the building with all galvanized structural framing, will this require painting.

#### RESPONSE

No.

#### **QUESTION**

33. Variable Frequency Drives – Does the Spec. 262913 2.4 apply to this job?

#### **RESPONSE**

They are included for the belt drive but are not required for the screw conveyor.

#### **QUESTION**

34. Variable Frequency Drives – Will the owner be providing for and paying for the VFD startup as listed in Spec. Section 26913?

### **RESPONSE**

Yes.

#### **QUESTION**

35. Transformer "B" – Is this transformer a 15 KVA or a 30 KVA?

#### **RESPONSE**

Transformer "B" is a 30 KVA.

#### **QUESTION**

36. Drawing #7 - Can a detail be provided for the structural steel required to support the two conveyors?

#### RESPONSE

Reference Spec section 133419 – Delegated-Design Submittal: Include analysis data indicating compliance performance requirements and design data sheet and sealed by the qualified professional engineer responsible for their preparation. The Thrasher Group will comply with the judgement of the delegated professional engineer given compliance with Spec Section 133419 and the structural loads provided on Sheet #7A and Sheet #7B.

37. Drawing #7 – Will the conveyors be part of the equipment package supplied by the owner?

#### **RESPONSE**

Yes.

#### **QUESTION**

38. Drawing #8 – Would it be acceptable to reuse the interior framing channels for the new man door opening at the existing building?

#### **RESPONSE**

No.

#### **QUESTION**

39. What are the weights for the new roof fans and curbs that are to be installed?

#### **RESPONSE**

Refer to Sheet #M1 of the Drawings.

#### **QUESTION**

40. Drawing #1A – Will the hopper at the discharge end of the existing belt filter press be required to be removed?

#### **RESPONSE**

Yes.

#### **QUESTION**

41. Drawing #3 – Will a new concrete pad be required once the new valves are installed? Can a detail be provided?

#### **RESPONSE**

Yes. Refer to Sheet D6 included with this Addendum #1 for the detail.

Will the contractor be required to salvage anything inside the existing Belt Filter Press Building that is slated to be demolished?

#### RESPONSE

The Belt Filter Press is to be kept for BCPSSD's utilization along with the static mixer that is in the sludge line. Also, the electrical components to be kept will be determined at the time of construction by a BCPSSD maintenance technician.

## **QUESTION**

43. What is the weight of the existing Belt Filter Press?

#### **RESPONSE**

19,650 LBS.

#### **QUESTION**

44. Will insulation be necessary for process piping the new building since it is to be heated?

#### **RESPONSE**

No.

#### **QUESTION**

45. For the existing building what is to be replaced by the contractor?

#### **RESPONSE**

Reference Sheets #7, 8, and 9 in the construction drawings for what is to be replaced and the responsibility of the contractor for the existing building.

If you have any questions or comments, please feel free to contact me at your earliest convenience. As a reminder, bids will be received until 2:00 p.m. on March 22, 2022, at the Berkeley County Public Service Sewer District's Office, 65 District Way, Martinsburg, WV 25404.

Sincerely,

THE THRASHER GROUP, INC.

DOUGLAS R. SMITH, PE

Project Manager

Enclosures: Bid Opening Requirements

All Added or Replaced Plan Sheets

## PROPOSED CONTRACT #10 OPEQUON HEDGESVILLE WWTP UPGRADES FOR THE

# BERKELEY COUNTY PUBLIC SERVICE SEWER DISTRICT BERKELEY COUNTY, WEST VIRGINIA THRASHER PROJECT #020-10042

A two envelope system will be used. Envelope No. 1 will be opened first and the Bid Opening Requirement items checked for compliance, as outlined on this page. If such documents are found to be in order, sealed Envelope No. 2 "Bid Proposal", which shall also be placed inside of Envelope #1, will then be opened and will be publicly read aloud. If the documents required to be contained in Envelope No. 1 are not in order, Envelope No. 2 "Bid Proposal" will not be opened and the Bid will be considered non-responsive and will be returned to the Bidder. At that time, the Owner will declare the Bidder non-responsive

#### BID OPENING REQUIREMENT CHECKLIST

Iter	n	Satisfactory (Check if completed)	
1.	Bid submitted on time		
2.	Bid Bond (Sample BOR-2 & 3)		
3.	Certification of receipt of all addenda to Plans and Specifications. (BOR-4)		
4.	West Virginia Code §21-1D-5 Drug Free Workplace Conformance Affidavit (BOR-5 & 6)		
5.	Copy of Contractor's License included.		



## **BID BOND**

Any sing	gular reference to Bidder, Surety, Owner or of	ther party sha	all be considered plural where applicable.
BIDDE	R (Name and Address):		
SURET	Y (Name, and Address of Principal Place o	f Business):	
Ber 65 Ma BID Bid	R (Name and Address): rkeley County Public Service Sewer District District Way artinsburg, WV 25402		‡10 Opequon Hedgesville WWTP Upgrades
BOND Bor Dat	nd Number:	). Contract †	\$
	nd to be duly executed by an authorized office	cer, agent, o SURET	•
Bidder's	s Name and Corporate Seal	· -	s Name and Corporate Seal
By:		By:	
Σ,.	Signature		Signature (Attach Power of Attorney)
	Print Name	<u> </u>	Print Name
	Title	<u></u>	Title
Attest:		Attest:	
	Signature		Signature
	Title		Title
	ddresses are to be used for giving any requi e execution by any additional parties, such a		urers, if necessary.

EJCDC C-430 Bid Bond (Penal Sum Form)
Prepared by the Engineers Joint Contract Documents Committee.
Page 1 of 2



- 1. Bidder and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to pay to Owner upon default of Bidder the penal sum set forth on the face of this Bond. Payment of the penal sum is the extent of Bidder's and Surety's liability. Recovery of such penal sum under the terms of this Bond shall be Owner's sole and exclusive remedy upon default of Bidder.
- 2. Default of Bidder shall occur upon the failure of Bidder to deliver within the time required by the Bidding Documents (or any extension thereof agreed to in writing by Owner) the executed Agreement required by the Bidding Documents and any performance and payment bonds required by the Bidding Documents.
- 3. This obligation shall be null and void if:
  - 3.1 Owner accepts Bidder's Bid and Bidder delivers within the time required by the Bidding Documents (or any extension thereof agreed to in writing by Owner) the executed Agreement required by the Bidding Documents and any performance and payment bonds required by the Bidding Documents, or
  - 3.2 All Bids are rejected by Owner, or
  - 3.3 Owner fails to issue a Notice of Award to Bidder within the time specified in the Bidding Documents (or any extension thereof agreed to in writing by Bidder and, if applicable, consented to by Surety when required by Paragraph 5 hereof).
- 4. Payment under this Bond will be due and payable upon default of Bidder and within 30 calendar days after receipt by Bidder and Surety of written notice of default from Owner, which notice will be given with reasonable promptness, identifying this Bond and the Project and including a statement of the amount due.
- 5. Surety waives notice of any and all defenses based on or arising out of any time extension to issue Notice of Award agreed to in writing by Owner and Bidder, provided that the total time for issuing Notice of Award including extensions shall not in the aggregate exceed 120 days from the Bid due date without Surety's written consent.
- 6. No suit or action shall be commenced under this Bond prior to 30 calendar days after the notice of default required in Paragraph 4 above is received by Bidder and Surety and in no case later than one year after the Bid due date.
- 7. Any suit or action under this Bond shall be commenced only in a court of competent jurisdiction located in the state in which the Project is located.
- 8. Notices required hereunder shall be in writing and sent to Bidder and Surety at their respective addresses shown on the face of this Bond. Such notices may be sent by personal delivery, commercial courier, or by United States Registered or Certified Mail, return receipt requested, postage pre-paid, and shall be deemed to be effective upon receipt by the party concerned.
- 9. Surety shall cause to be attached to this Bond a current and effective Power of Attorney evidencing the authority of the officer, agent, or representative who executed this Bond on behalf of Surety to execute, seal, and deliver such Bond and bind the Surety thereby.
- 10. This Bond is intended to conform to all applicable statutory requirements. Any applicable requirement of any applicable statute that has been omitted from this Bond shall be deemed to be included herein as if set forth at length. If any provision of this Bond conflicts with any applicable statute, then the provision of said statute shall govern and the remainder of this Bond that is not in conflict therewith shall continue in full force and effect.
- 11. The term "Bid" as used herein includes a Bid, offer, or proposal as applicable.

## PROPOSED CONTRACT #10 OPEQUON HEDGESVILLE WWTP UPGRADES

#### **FOR THE**

## BERKELEY COUNTY PUBLIC SERVICE SEWER DISTRICT BERKELY COUNTY, WEST VIRGINIA

## **Certification of Receipt of Addenda**

In submitting this Bid,	, Bidder represents.	, as more fully set	forth in the A	Agreement, that:
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	Date		Number	
(a)	Bidder has examined copies of all	the Contract Documents	and the following a	ddenda:

Signature	Date	
Name and Title of Signer		
(Please Type)		

To Be Submitted in Envelope No. 1 Item No. 3 on Checklist

WEST VIRGINIA CODE 21-1D-5 PROVIDES THAT ANY SOLICITATION FOR A PUBLIC IMPROVEMENT CONSTRUCTION CONTRACT REQUIRES EACH VENDOR THAT SUBMITS A BID FOR THE WORK TO SUBMIT AT THE SAME TIME AN AFFIDAVIT OF COMPLIANCE WITH THE BID. THE ENCLOSED DRUG-FREE WORKPLACE AFFIDAVIT MUST BE SIGNED AND SUBMITTED IN THE FIRST ENVELOPE AS EVIDENCE OF THE VENDOR'S COMPLIANCE WITH THE PROVISIONS OF ARTICLE ID, CHAPTER 21 OF THE WEST VIRGINIA CODE. FAILURE TO SUBMIT THE SIGNED DRUG-FREE WORKPLACE AFFIDAVIT IN THE FIRST ENVELOPE SHALL RESULT IN DISQUALIFICATION OF SUCH BID.

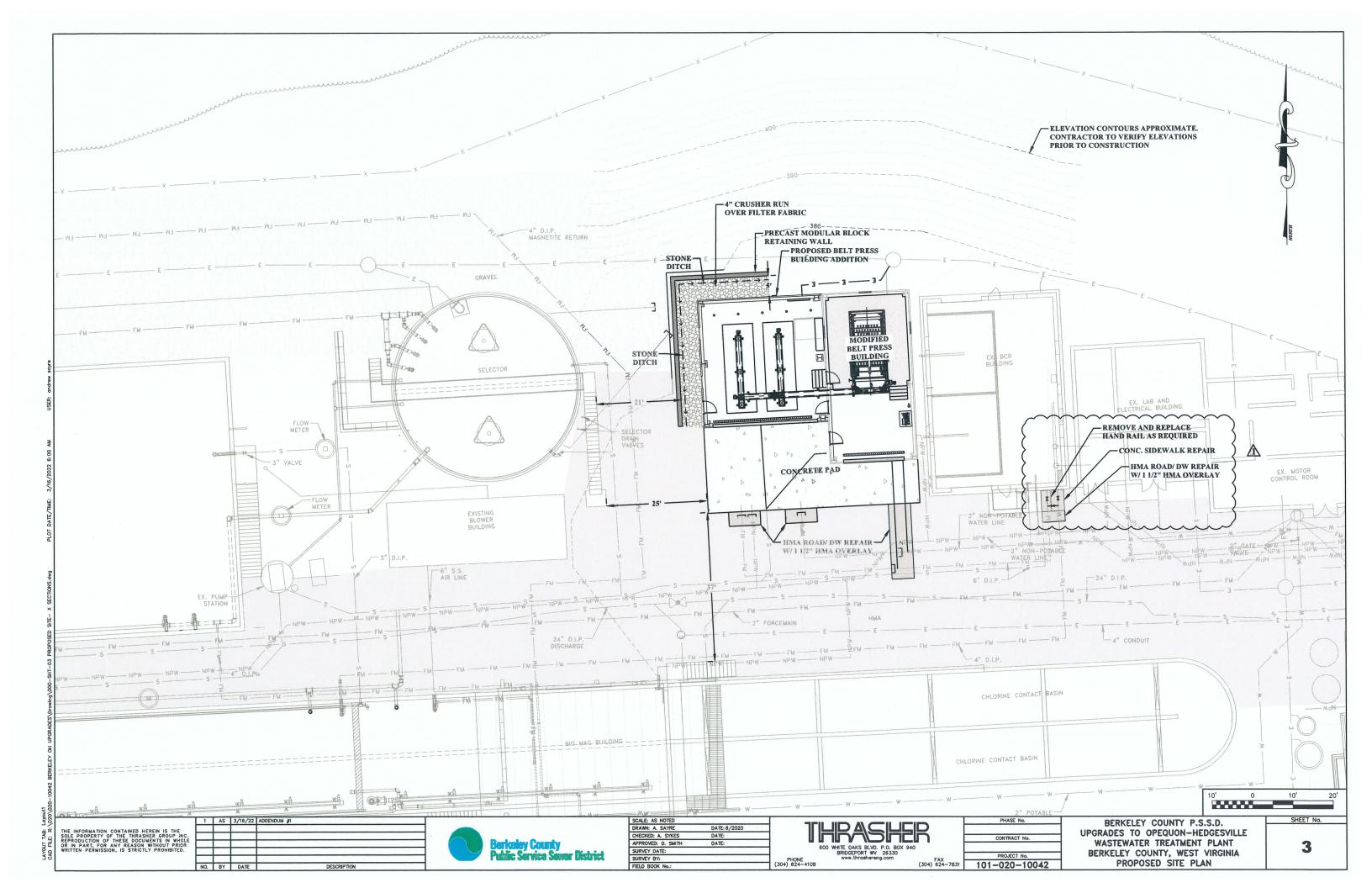


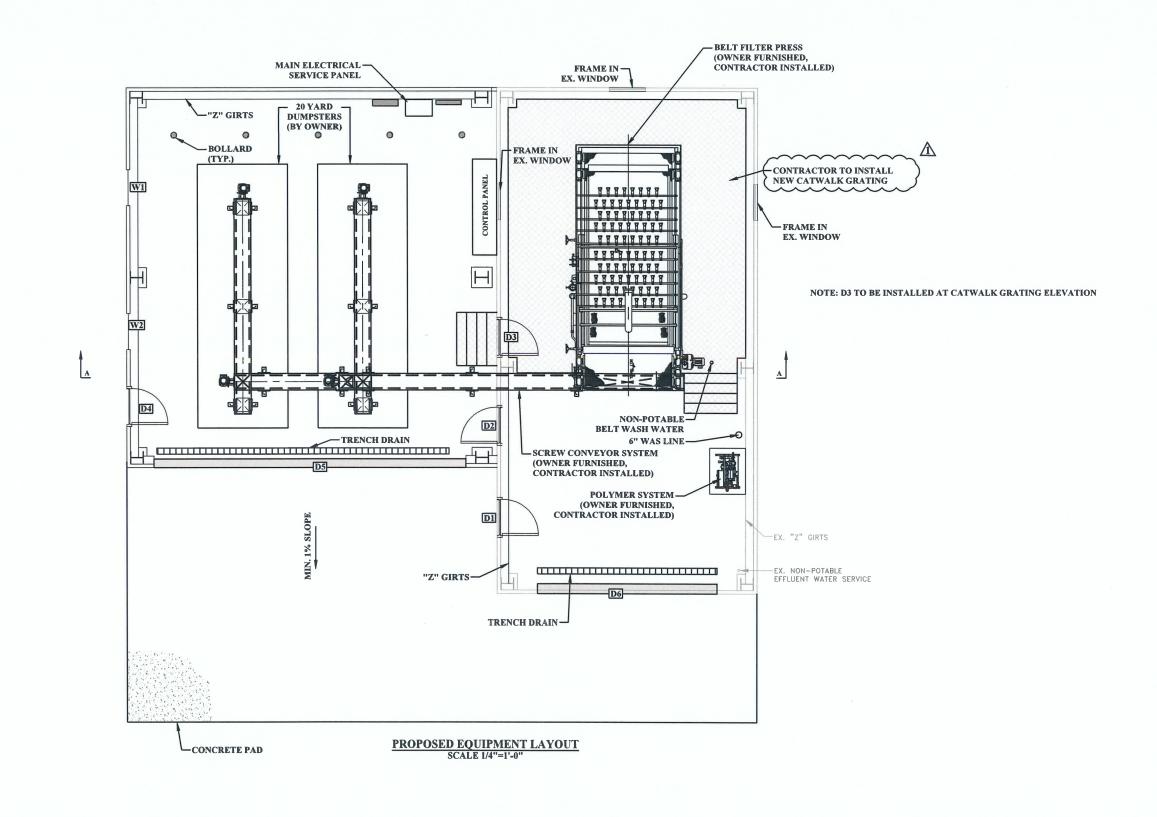
# State of West Virginia DRUG FREE WORKPLACE CONFORMANCE AFFIDAVIT West Virginia Code §21-1D-5

## STATE OF WEST VIRGINIA,

COUNTY OF		, TO-WIT:
I,		, after being first duly sworn, depose and state as follows:
1.	I am an employee of _	; and, (Company Name)
2.	I do hereby attest that	(Company Name)
		n for a drug-free workplace policy and that such plan and e with <b>West Virginia Code</b> §21-1D.
The	above statements are sw	orn to under the penalty of perjury.
		Printed Name:
		Signature:
		Title:
		Company Name:
		Date:
Take	en, subscribed and sworn	to before me thisday of,
Ву С	ommission expires	
(Sea	l)	
		(Notary Public)

Rev. July 7, 2017





LAYOUT TAB: 5 Floor
CAD FILE: R: \020\020-10042 BERKELEY OH UPGRADES

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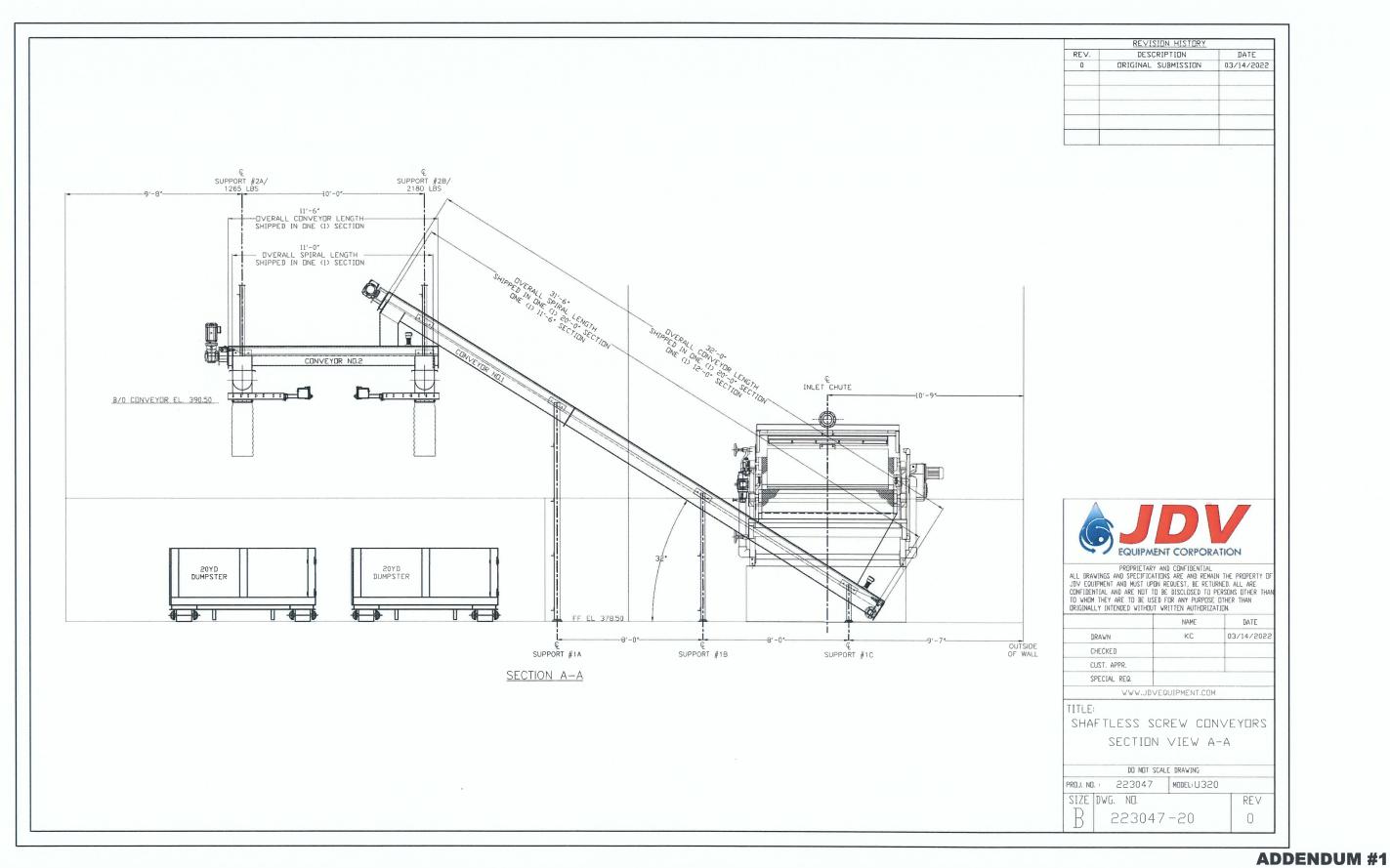
DESCRIPTION



SCALE: AS NOTED		
DRAWN: A. SAYRE	DATE: 6/2020	
CHECKED: A. SYKES	DATE:	
APPROVED: D. SMITH	DATE:	
SURVEY DATE:		
SURVEY BY:		
FIELD BOOK No.:		(3

T	HRASHEF	3	
PHONE	600 WHITE OAKS BLVD. P.O. BOX 940 BRIDGEPORT WV 26330 www.thrashereng.com	FAX	
624-4108	(3	FAX 04) 624-7831	

PHASE No.	BERKELEY COUNTY P.S.S.D.
CONTRACT No.	UPGRADES TO OPEQUON-HEDGESVILLE
	WASTEWATER TREATMENT PLANT
PROJECT No.	BERKELEY COUNTY, WEST VIRGINIA
-020-10042	PRESS BUILDING FLOOR PLAN



Berkeley County Public Service Sewer District

DESCRIPTION

THRASHER

600 WHITE OAKS BLVD. P.O. BOX 940
BRIDGEPORT WV 26330
www.thrashereng.com
24-4108

(304) 674-7831

PHASE No.

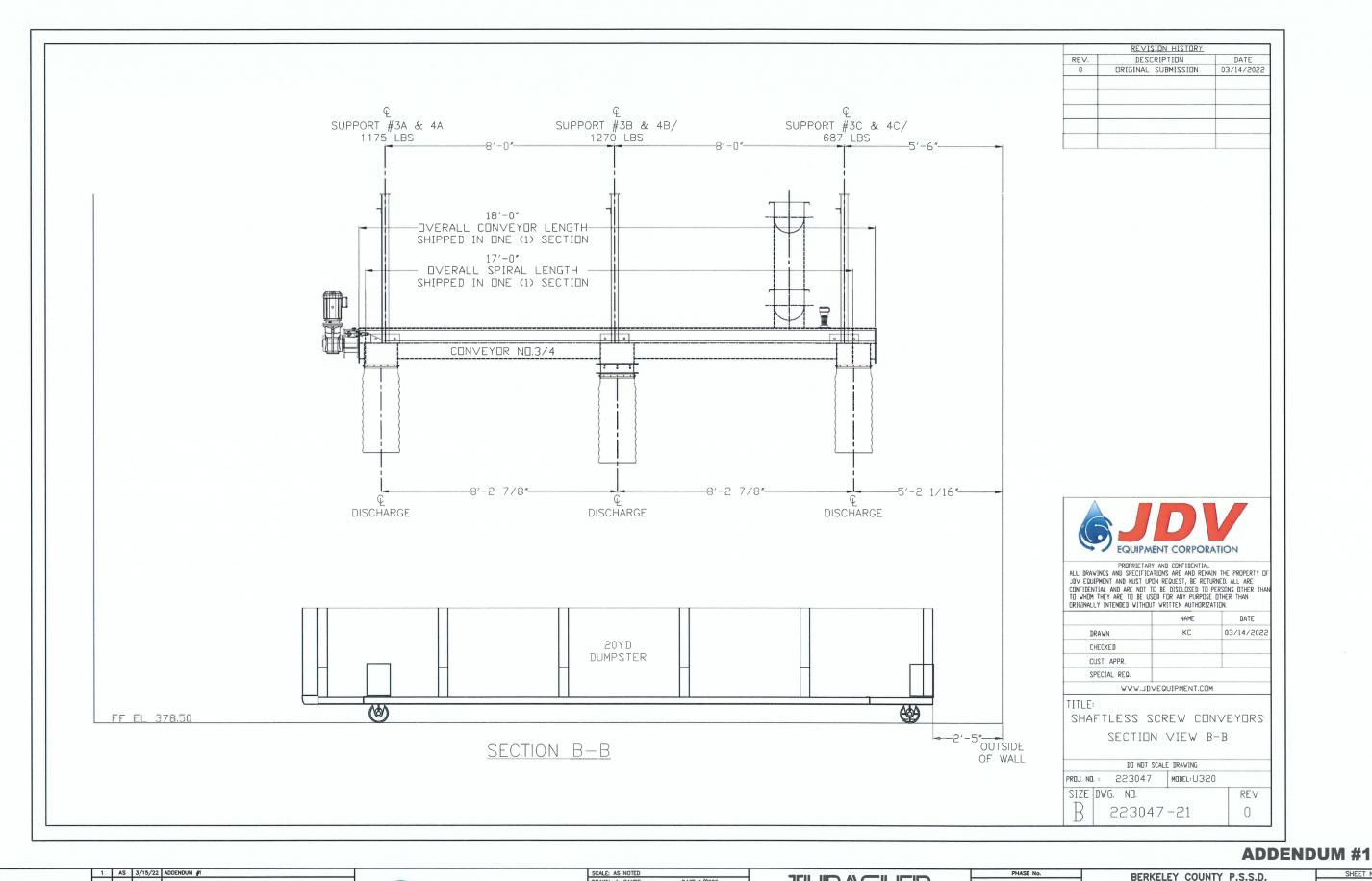
CONTRACT No.

PROJECT No.

101-020-10042

BERKELEY COUNTY P.S.S.D.
UPGRADES TO OPEQUON-HEDGESVILLE
WASTEWATER TREATMENT PLANT
BERKELEY COUNTY, WEST VIRGINIA
CONVEYOR DETAILS

**7A** 



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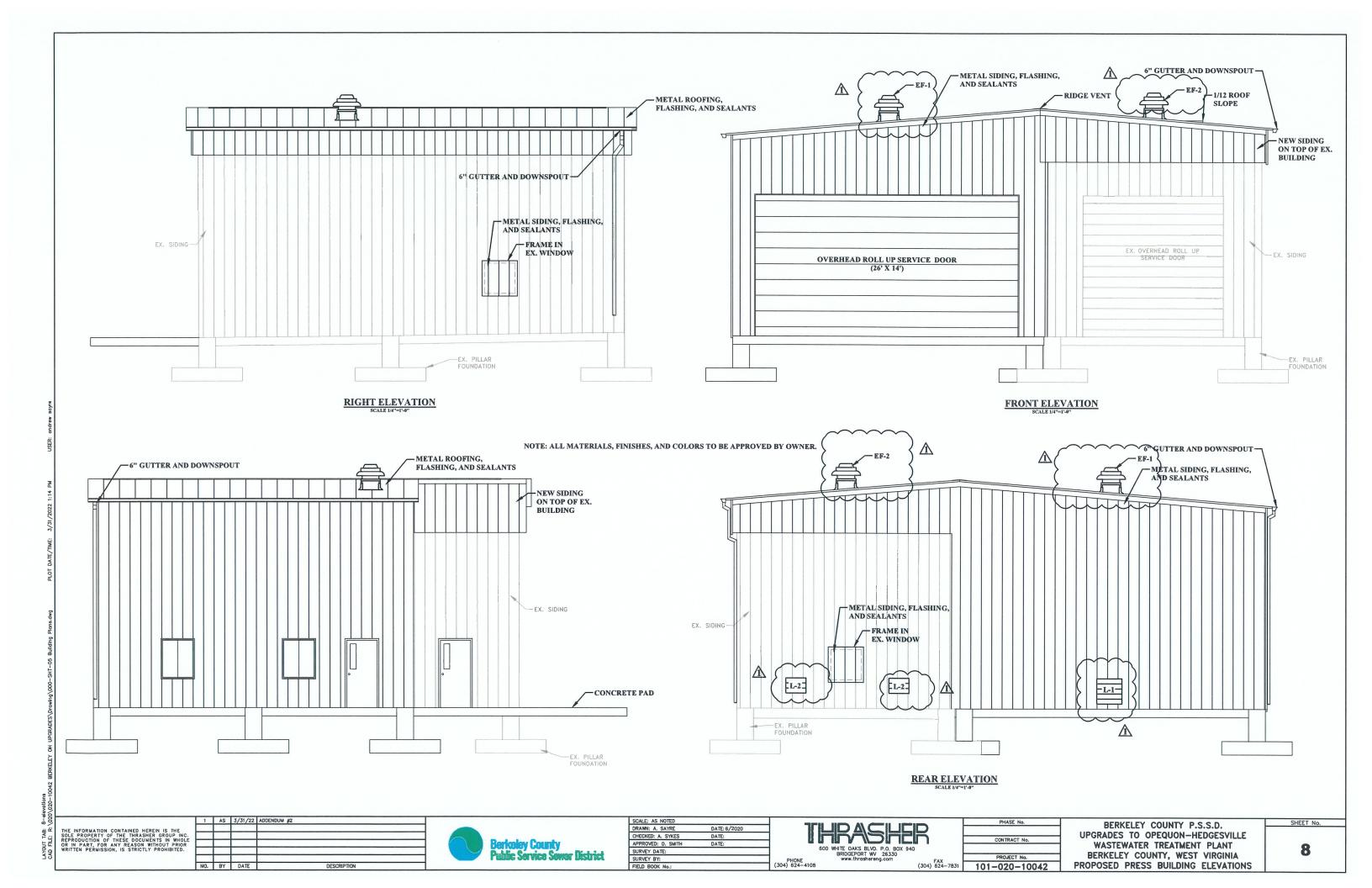


	SCALE: AS NOTED		
	DRAWN: A. SAYRE	DATE: 6/2020	
	CHECKED: A. SYKES	DATE:	
	APPROVED: D. SMITH	DATE:	
	SURVEY DATE:		
	SURVEY BY:		
	FIELD BOOK No.:		(30
_			

(304) FAX 101-020-10042

UPGRADES TO OPEQUON-HEDGESVILLE WASTEWATER TREATMENT PLANT BERKELEY COUNTY, WEST VIRGINIA CONVEYOR DETAILS

**7B** 



TWO (2) HILTI HI-HY 150 1/2" DIA. EPOXY BOLTS, MIN. EMBEDMENT: 4 1/2" T/O CURB ELEV. = 398.00' STEEL GIRDER TWO (2) HILTI HI-HY 150 1/2" DIA. EPOXY BOLTS, MIN. EMBEDMENT: 4 1/2" **EXISTING ELEVATED-** $\frac{\textbf{DETAIL B: TYPICAL CONNECTION TO EXISTING STRUCTURE AT EAVE}}{\textbf{NOT TO SCALE}}$ 

#### DETAIL A: TYPICAL CONNECTION TO EXISTING STRUCTURE AT RIDGE NOT TO SCALE

DOOR SCHEDULE							
DOOR NUMBER	WIDTH	HEIGHT	THICKNESS	MATERIAL	DOOR TYPE	REMARKS	
D1	3'-0"	6'-8"	1 3/4"	ALUMINUM	A	DOOR AND HARDWARE PER SPEC SECTION 133419	
D2	3'-0"	6'-8"	1 3/4"	ALUMINUM	A	DOOR AND HARDWARE PER SPEC SECTION 133419	
D3	3'-0"	6'-8"	1 3/4"	ALUMINUM	A	DOOR AND HARDWARE PER SPEC SECTION 133419 TO BE INSTALLED AT CATWALK GRATING ELEVATION	
D4	3'-0"	6'-8''	1 3/4"	ALUMINUM	A	DOOR AND HARDWARE PER SPEC SECTION 133419	
D5	26'-0"	14'-0"	1 3/4"	ALUMINUM	В	DOOR AND HARDWARE PER SPEC SECTION 083323	
D6	14'-0"	14'-0"	1 3/4"	ALUMINUM	В	DOOR AND HARDWARE PER SPEC SECTION 083323	

NOTES:

- DOOR NOTES:

  1. ALL DOORS REQUIRE DOOR SILENCERS, PUSH PULL PLATES, PROTECTIVE PLATES, AND DOUBLE INSULATION.

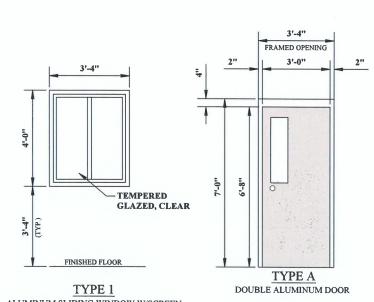
  2. ALL EXTERIOR DOORS REQUIRE KEY LOCKSETS, DOOR STOPS, THRESHOLD, AND WEATHER STRIPS.

  3. DOORS MUST BE SIZED TO FIT OPENINGS USING MANUFACTURER'S RECOMMENDATIONS.

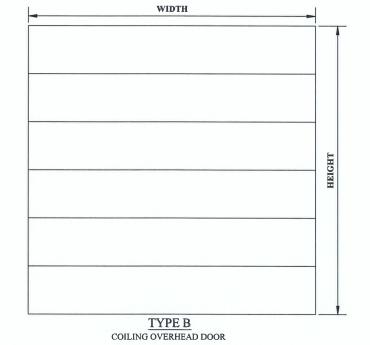
- DOOR GLASS SHALL BE SHATTERPROOF.
- OVERHEAD COILING DOORS SHALL NE INTERNALLY MOUNTED.

WINDOW SCHEDULE							
WINDOW NUMBER	WIDTH	HEIGHT	WINDOW TYPE	REMARKS			
W1	3'-4"	4'-0"	1				
W2	3'-4"	4'-0''	1				

- WINDOW NOTES:
  1. WINDOW FRAME AND HARDWARE PER SPEC SECTION 133419.
- WINDOW GLAZING PER SPEC SECTION 088000.
- ALL WINDOWS REQUIRE INTERIOR AND EXTERIOR TRIM.
- WINDOWS MUST BE SIZED TO FIT OPENINGS USING MANUFACTURER'S RECOMMENDATIONS.
  ALL WINDOWS SHALL BE OPERABLE AND SUPPLIED WITH SCREENS.



TYPE 1
ALUMINUM SLIDING WINDOW W/SCREEN
HIGH PERFORMANCE E-GLASS



NOTES:

1. ASSUMED SPACING OF SUPPORTS 10' ON CENTER



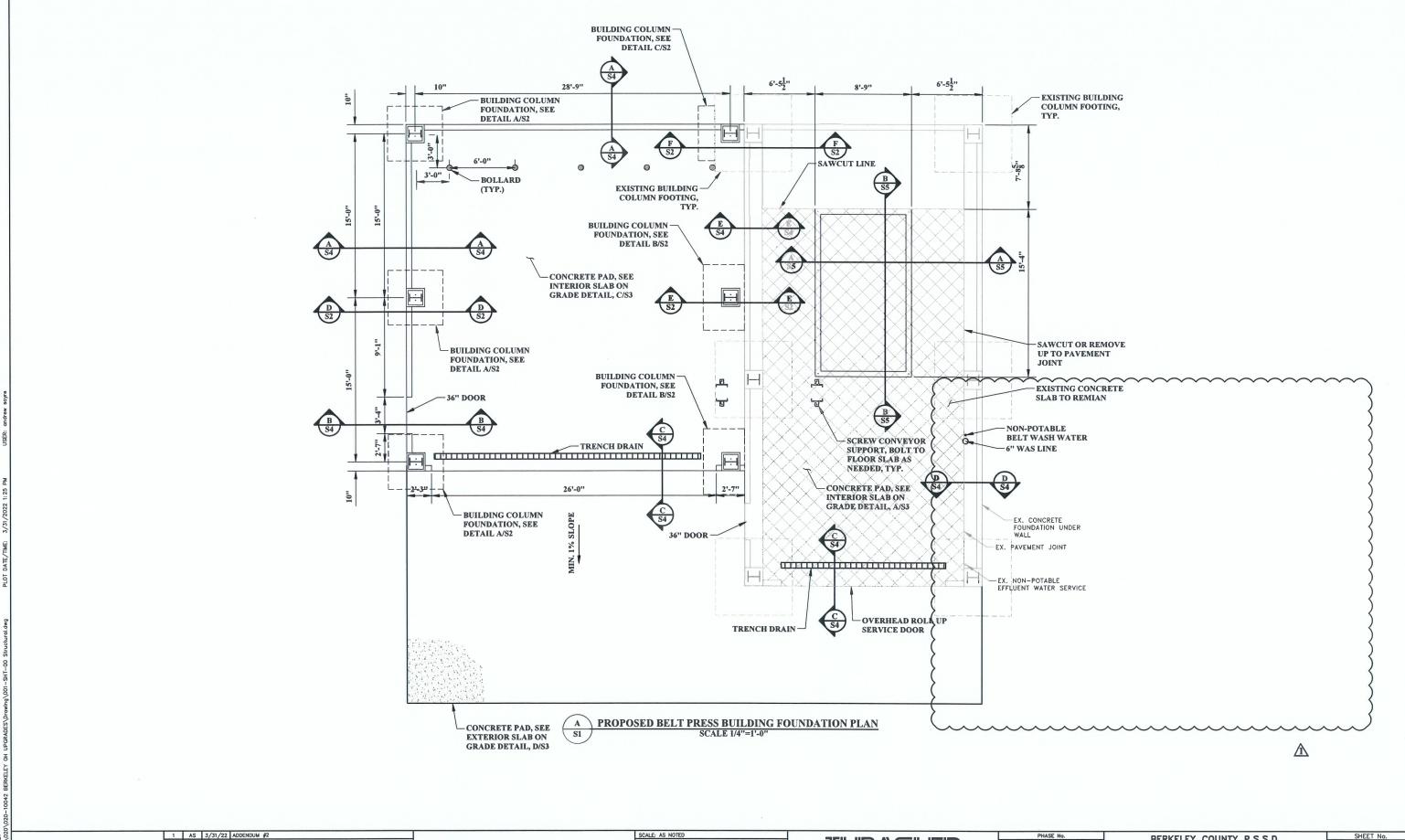
SCALE: AS NOTED		
DRAWN: A. SAYRE	DATE: 6/2020	
CHECKED: A. SYKES	DATE:	
APPROVED: D. SMITH	DATE:	
SURVEY DATE:		
SURVEY BY:		
FIELD BOOK No.		(30

T	HRASHE	R		E
PHONE	600 WHITE CAKS BLVD. P.O. BOX 940 BRIDGEPORT WV 26330 www.thrashereng.com	FAX		E
104) 624 4100		(704) 004	2074	

	PHASE No.	BERKELEY COUNT
		UPGRADES TO OPEQUO
ן רוו	CONTRACT No.	WASTEWATER TREAT
·  -	PROJECT No.	BERKELEY COUNTY, \
(304) FAX 624-7831	101-020-10042	PRESS BUILDING

TY P.S.S.D. ON-HEDGESVILLE TMENT PLANT **WEST VIRGINIA** PRESS BUILDING DETAILS

9



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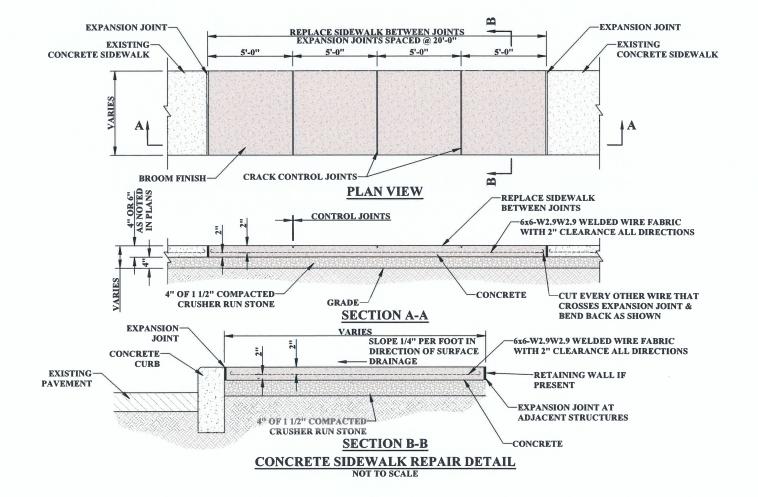
DESCRIPTION

DATE: 5/2021 DATE: \_\_ CHECKED: SURVEY DATE: SURVEY BY:

(304) FAX 101-020-10042

BERKELEY COUNTY P.S.S.D. UPGRADES TO OPEQUON-HEDGESVILLE WASTEWATER TREATMENT PLANT BERKELEY COUNTY, WEST VIRGINIA PRESS BUILDING STRUCTURE PLAN

**S1** 



#### **CONCRETE SIDEWALK CONSTRUCTION NOTES**

- NOTES: 1) EXPANSION JOINTS SHALL BE 1/4" WIDE AND FULL CONCRETE DEPTH CONSTRUCTED AT 20 FOOT INTERVALS, AT ALL RETURNS, AND OPPOSITE EXPANSION JOINTS IN CURBS. A LONGITUDINAL EXPANSION JOINT 1/4" WIDE AND FULL CONCRETE DEPTH SHALL BE PLACED-BETWEEN SIDEWALK AND CURB
  - BETWEEN SIDEWALK AND CURB.

    2) EXPANSION JOINTS SHALL BE 1/4" WIDE PREFORMED EXPANSION JOINT FILLER AND SEALED WITH JOINT SEALING MATERIAL AS APPROVED BY THE ARCHITECT OR ENGINEER.
  - 3) WHERE CURBS AND SIDEWALKS ARE PLACED AROUND OR ADJACENT TO DRAINAGE STRUCTURES OR OTHER MISCELLANEOUS STRUCTURES, EXPANSION JOINTS SHALL BE CONSTRUCTED BETWEEN SUCH APPURTENANCES AND THE CURB OR SIDEWALK.
  - 4) AROUND UTILITY POLES, METERS, FIRE HYDRANTS, AND OTHER LIKE FEATURES, CONSTRUCT AN INDEPENDENT RETANGULAR-SHAPED SLAB A MINIMUM OF 1' IN ALL DIRECTIONS. PROVIDE 1/4" PREMOLDED EXPANSION JOINT MATERIAL AT ALL INTERFACES WITH ADJOINING CONCRETE.
  - 5) FOR SIDEWALK, PROVIDE 1/4" WIDE CONTROL JOINTS TO A DEPTH OF 1/4TH THE SIDEWALK THICKNESS AT INTERVALS EQUAL TO THE SIDEWALK WIDTH, AT ALL CHANGES OF DIRECTION, AND AT THE BEGINNING AND ENDING OF ALL TAPERED CURBS.
  - 6) FOR CURBS, PROVIDE 1/4" WIDE CONTROL JOINTS TO A DEPTH OF 2" MINIMUM IN UNIFORM INTERVALS NOT TO EXCEED 20 FEET, AT ALL CHANGES OF DIRECTION, AND THE BEGINNING AND ENDING OF ALL TAPERED CURBS.
  - 7) FINISHING SIDEWALKS OUTSIDE EDGES AND JOINTS SHALL BE EDGED WITH A 1/4" RADIUS EDGING TOOL DUMMY JOINTS SHALL BE 3/8" DEEP AND 1/8" WIDE AND SPACED EVERY 10 FEET. SURFACE SHALL HAVE BROOM FINISH.
  - BROOMING SHALL BE TRANSVERSE TO THE LINE OF TRAFFIC. CURBING UPON REMOVAL OF FORMS THE EXPOSED CURBING FACE SHALL BE IMMEDIATELY RUBBED TO A UNIFORM SURFACE.
  - 8) CURBING TO BE INSTALLED ONLY WHERE CURBING EXISTED PRIOR TO REMOVING OLD SIDEWALK. IF CURBING DID NOT EXIST, CONCAVING CONCRETE NEXT TO ROAD IS ACCEPTABLE.
  - 9) WHERE JOINING TO EXISTING CONCRETE, THE EXISTING SHALL BE SAW CUT IN NEAT, EVEN 90° LINES.
  - 10) ANY EXISTING FACILITIES INCLUDING BUT NOT LIMITED TO, PARKING METERS AND FLAG POLE HOLDERS IN THE SIDEWALK REQUIRING REINSTALLATION SHALL BE REINSTALLED BY THE CONTRACTOR AT NO ADDITIONAL COST.
  - 11) CURB AND SIDEWALK MAY BE POURED INTEGRALLY UNLESS OTHERWISE NOTED OR REQUIRED.

### **ADDENDUM #1**

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1 AS 3/16/22 ADDENDUM

Berkeley County Public Service Sever District PROJECT No.

BERKELE

UPGRADES TO

WASTEWATE

PROJECT No.

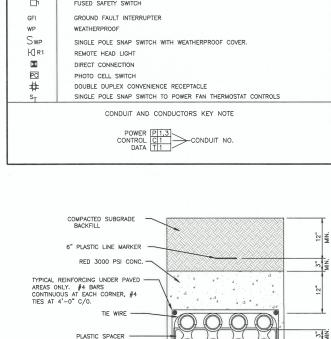
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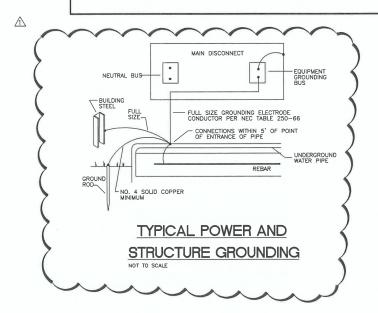
BERKELEY COUNTY P.S.S.D.
UPGRADES TO OPEQUON—HEDGESVILLE
WASTEWATER TREATMENT PLANT
BERKELEY COUNTY, WEST VIRGINIA
TYPICAL SIDEWALK DETAILS

D6

#### GENERAL ELECTRICAL NOTES

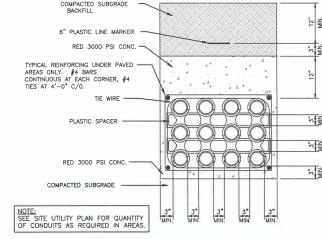
- 1. COORDINATE LOCATIONS OF CEILING-MOUNTED LIGHTING FIXTURES, SPEAKERS AND OTHER ITEMS WITH THE CEILING PATTERN AND MECHANICAL EQUIPMENT.
- 2. LOCATE SNAP SWITCHES APPROXIMATELY 4 TO 6 INCHES FROM THE LATCH SIDE OF THE RELATED DOOR FRAME WHERE POSSIBLE, EXCEPT AS NOTED OTHERWISE.
- 3. LOCATE SNAP SWITCHES DIRECTLY UNDER THERMOSTATS WHERE THEY ARE SHOWN IN CLOSE PROXIMITY (SEE MECHANICAL DRAWINGS).
- 4. LOCATE WALL BOXES APPROXIMATELY AS INDICATED, EXACTLY AS DIRECTED OR AS NECESSARY TO ACHIEVE SYMMETRY AND COORDINATED WITH THE BUILDING, FINISHES AND EQUIPMENT.
- 5. LOCATE ALL BOXES TO BE ACCESSIBLE.
- 6. MOUNT SINGLE-GANG BOXES WITH THE LONGER DIMENSION VERTICAL EXCEPT AS NOTED OTHERWISE. MOUNT ALL BOXES AND PLATES PLUM.
- 7. DO NOT INSTALL BOXES BACK TO BACK ON BOTH SIDES OF A PARTITION. OFFSET BOXES A MINIMUM OF 6 INCHES EXCEPT AS NOTED OTHERWISE.
- 8. LOCATE ALL RACEWAYS TO AVOID INTERFERENCE WITH DUCTS, PIPES, MECHANICAL EQUIPMENT, WITH THE REMOVAL OF CEILING TILE, OR WITH ACCESS TO EQUIPMENT THAT REQUIRES PERIODIC ADJUSTMENT OR MAINTENANCE.
- 9. DO NOT SUPPORT RACEWAYS OR EQUIPMENT FROM PIPES, DUCTS, OR A CEILING SUSPENSION SYSTEM.
- 10. BRANCH CIRCUIT AND FEEDERS ARE DESIGNATED BY A NUMBER AND LETTER.
- 11. INSTALL FEEDER RACEWAYS WITH NO MORE THAN 3 CURRENT-CARRYING CONDUCTORS PLUS A NEUTRAL CONDUCTOR, PLUS A GROUND CONDUCTOR.
- 12. INDICATED BRANCH CIRCUIT CONDUCTOR SIZES ARE BASED ON NO MORE THAN 3 CURRENT—CARRYING CONDUCTORS AND A NON—CURRENT—CARRYING NEUTRAL CONDUCTOR IN EACH RACEWAY. WHERE THE NUMBER OF CONDUCTORS EXCEEDS THIS AMOUNT, ADJUST THE CONDUCTOR SIZES IF AND AS NECESSARY TO ACCOUNT FOR DERATING THEIR AMPACITY IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE.
- 13. PROVIDE AN ADJACENT DISCONNECT SWITCH FOR EACH ELECTRIC UNIT HEATER.
- 14. ADJUST LIGHTING FIXTURE LOCATIONS AS NECESSARY TO COORDINATE WITH EQUIPMENT AND TO PROVIDE OPTIMUM ILLUMINATION.
- 15. PROVIDE WEATHERPROOF ADJUSTABLE PHOTOCELL CONTROL UNIT IN ACCESSIBLE ROOF LOCATIONS TO PROVIDE AUTOMATIC LIGHT CONTROLS AS INDICATED. ROUDE ASSOCIATIOR RELAYS ACCESSIBLE ON WALL AND/OR CONTACTORS OR RELAYS ACCESSIBLE ON WALL
- 16. COORDINATE OUTLET LOCATIONS AND CIRCUIT RATINGS WITH THE EQUIPMENT SHOWN ON THE MECHANICAL AND PLUMBING DRAWINGS AND WITH ALL EQUIPMENT AND FURNISHINGS SHOWN ON THE ARCHITECTURAL DRAWINGS.
- 17. EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH SPECIFICATIONS AND AS REQUIRED BY THE NATIONAL ELECTRIC CODE.
- 18. ALL WORK SHALL COMPLY WITH NFPA 70.
- 19. ELECTRICAL BRANCH CIRCUITS SHALL NOT SHARE A COMMON NEUTRAL.
- 20. SIZE ALL FUSES FOR FUSED SAFETY SWITCHES WITH EQUIPMENT MANUFACTURER.





- → → → → → S S S S	RECESSED OR SURFACE MTD. LED OR COMPACT FLÜORESCENT LIGHTING FIXTURE WALL MOUNTED LED LIGHTING FIXTURE  EXIT LIGHTING FIXTURE — SHADED AREA DENOTES FACE  LED LIGHTING FIXTURE  SINGLE POLE SNAP SWITCH
<b>S</b>	EXIT LIGHTING FIXTURE — SHADED AREA DENOTES FACE LED LIGHTING FIXTURE
S	LED LIGHTING FIXTURE
s	
- 1	SINGLE POLE SNAP SWITCH
S3	
	THREE-WAY SNAP SWITCH
Ф	DUPLEX CONVENIENCE RECEPTACLE
$\nabla$	TELEPHONE/DATA OUTLET SINGLE GANG BOX W/BLANK FACE PLATE EXTEND 3/4" CONDUIT W/PULLWIRE TO ABOVE CEILING.
	PLAN NOTE
$\Theta$	MECHANICAL EQUIPMENT NOTATION
0	MOTOR CONNECTION
□	FUSED SAFETY SWITCH
GFI	GROUND FAULT INTERRUPTER
WP	WEATHERPROOF
Swp	SINGLE POLE SNAP SWITCH WITH WEATHERPROOF COVER.
HJ R1	REMOTE HEAD LIGHT
M	DIRECT CONNECTION
PC	PHOTO CELL SWITCH
#	DOUBLE DUPLEX CONVENIENCE RECEPTACLE
S <sub>T</sub>	SINGLE POLE SNAP SWITCH TO POWER FAN THERMOSTAT CONTROLS

**ELECTRICAL SYMBOLS LEGEND** 



TYPICAL DUCT BANK UTILITY TRENCH DETAIL NOT TO SCALE

BREAKER	WIRE	GROUND	CONDUIT	CONDUIT SIZE WITH GROUND					
AMP SIZE	SIZE	SIZE	1-POLE	2-POLE	3-POLE				
20	#12	#12	3/4"	3/4"	3/4"				
30	#10	#10	3/4"	3/4"	3/4"				
40	#8	#10	3/4"	3/4"	3/4"				
50	#8	#10	3/4"	3/4"	3/4"				
60	#6	#8	3/4"	3/4"	3/4"				
70	#4	#8	1"	1"	1"				
80	#4	#8	12	1"	1"				
90	#3	#8		1 1/4"	1 1/4"				
100	#2	#8	-	1 1/4"	1 1/4"				
110	#2	#6		1 1/4"	1 1/4"				
125	#1	#6	2	1 1/4"	1 1/4"				
150	#1/0	#6		1 1/2"	1 1/2"				
175	#2/0	#6	150	1 1/2"	2"				
200	#3/0	#6	-	1 1/2"	2"				
225	#4/0	#4			2-1/2"				
250	250MCM	#3	-	-	2 1/2"				
300	350MCM	#3	. 15:		3"				
350	500MCM	#3			3 1/2"				
400	500MCM	#3		<b>—</b> —	3 1/2"				

LIGHTING FIXTURE SCHEDULE									
MARK	LAMPS/TYPE	MOUNTING	MANUFACTURER	DESCRIPTION	NOTES				
L1	LED	SURF/PEND	COOPER		4' LED ENCLOSED AND GASKETED	120 VOLT			
			LITHONIA	FEML486000LM	ACRY, LENS				
			HUBBELL		1 - ELECTRONIC DRIVER				
L2	LED	WALL	COOPER		OUTDOOR GLASS LENS/ALUM HOUSING	120 VOLT			
			LITHONIA	TWR1LEDALO40K	WET LOCATION, DARK BRONZE FINISH LUMEN OUTPUT SET AT #5				
					LOMEN COTFOT SET AT #5				
L3	LED	LED WALL	COOPER		OUTDOOR GLASS LENS/ALUM HOUSING	120 VOLT			
			LITHONIA	TWR2LEDALO40K	WET LOCATION, DARK BRONZE FINISH LUMEN OUTPUT SET AT #7				
					LOWER CONTON SET AT #7				
X2	LED	WALL	COOPER		CLASS 1, DIVISION 2 EXIT LIGHT WITH BATTERY	120 VOLT			
			RIG-A-LITE	HLEX1RDTWPEM	RED LETTER				
			MCPHILBEN		SINGLE FACED				

#### GENERAL NOTES PERTAINING TO ALL FIXTURES:

- VERIFY CEILING CONSTRUCTION TYPE WITH ARCHITECTURAL DRAWINGS TO DETERMINE WHETHER RECESSED LIGHTING FIXTURES SHALL BE FLANGE OR GRID TYPE MOUNTING.
- DIRECTIONAL INDICATOR ON EXIT SIGNS SHALL COMPLY WITH NFPA 101 SECTION 5-10.4.1.2. VERIFY VOLTAGE TO OPERATE FIXTURES WITH ELECTRICAL DRAWINGS. LIGHTING FIXTURES SHALL COME COMPLETE WITH NECESSARY MOUNTING HARDWARE.

- LIGHTING FIXTURES SHALL COME COMPLETE WITH NECESSARY MOUNTING HARDWARE.

  ALL RECESSED LIGHTING FIXTURES SHALL BE PAINTED AFTER FABRICATION.

  ANY REQUEST FOR SUBSTITUTION TO THE LIGHTING FIXTURE SCHEDULE SHALL BE OF EQUAL OR

  HIGHER QUALITY AS DETERMINED BY ENGINEER. ANY PERSON REQUESTING TO SUBSTITUTE FIXTURES

  MUST SUBMIT IN BOUND FORM A COLLECTION OF MANUFACTURES CUT SHEETS TO BE REMEMED

  BY ENONEER A MINIMUM OF (FOURTEEN) 14 DAYS PRIOR TO BID. ACCEPTED SUBSTITUTIONS WILL

  BE REFLECTED IN AN ADDENDUM.

### **DRAWING INDEX:**

- E1 GENERAL ELECTRICAL NOTES AND SYMBOLS LEGEND E2 BELT PRESS BUILDING LIGHTING PLAN
- E3 BELT PRESS BUILDING POWER PLAN
- E4 ELECTRICAL PANEL SCHEDULES E5 ELECTRICAL RISER PLAN

1 BKH 3-15-22 ADDENDUM #1 NO. BY DATE

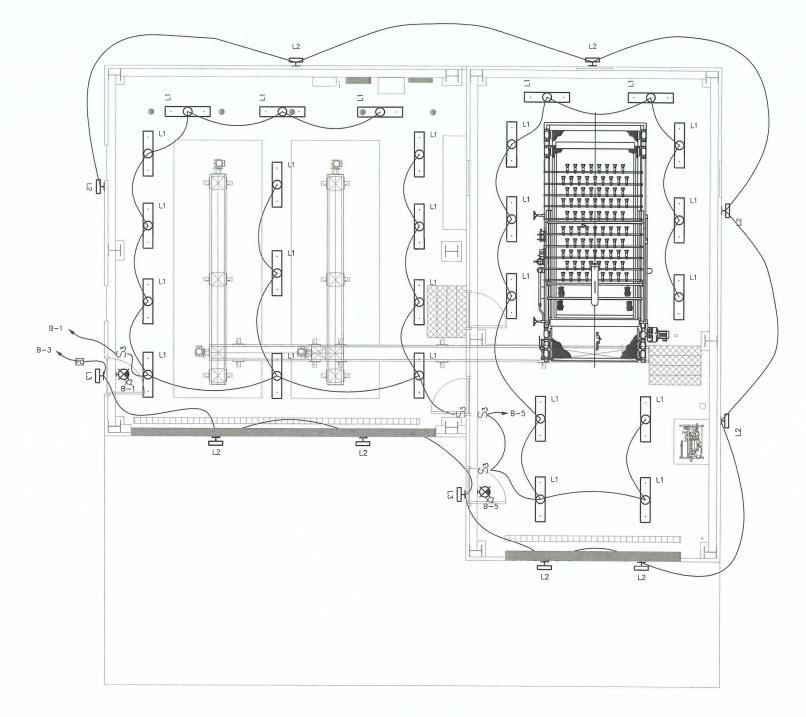
SCALE: AS NOTED DRAWN: B. QUERREY DATE: 6/2021 DATE: 6/2021 CHECKED: B. HENSLE' DATE: 7/2021 SURVEY DATE:

PHONE (304) 624-4108 FAX (304) 624-7831

PHASE No. 020-10042

BERKELEY COUNTY P.S.S.D. UPGRADES TO OPEQUON-HEDGESVILLE WASTEWATER TREATMENT PLANT BERKELEY COUNTY, WEST VIRGINIA **ELECTRICAL LEGEND & SCHEDULES** 

SHEET No.



BELT PRESS BUILDING LIGHTING PLAN SCALE 1/4"=1'-0"

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1 BKH 3-15-22 ADDENDUM #1

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PHASE No.

CONTRACT No.

PROJECT No.

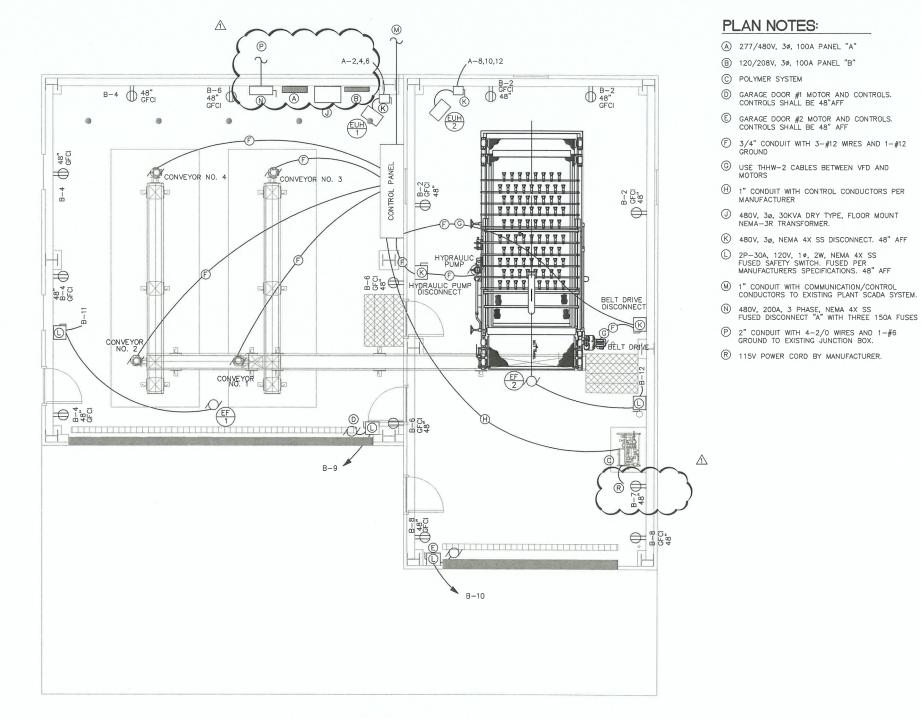
020-10042

BERKELEY COUNTY P.S.S.D.
UPGRADES TO OPEQUON-HEDGESVILLE
WASTEWATER TREATMENT PLANT
BERKELEY COUNTY, WEST VIRGINIA
BELT PRESS BUILDING LIGHTING PLAN

SHEET No.

#### ELECTRICAL NOTES:

- . SEE EQUIPMENT SPECIFICATIONS FOR CONTROL CIRCUITS OF ELECTRICAL EQUIPMENT.
- 2. SCREW CONVEYOR SENSORS AND EMERGENCY PULL CORD SYSTEM ARE INCLUDED WITH THE EQUIPMENT.
- 3. ALL SENSORS AND SWITCHES WILL REQUIRE CONDUIT AND WIRING TO BE INSTALLATION PER MANUFACTURERS SPECIFICATION.
- 4. THE JDV LEVEL SYSTEM WIRING WILL BE SUPPLIED WITH THE PACKAGE BUT SHALL BE INSTALLED BY THE CONTRACTOR. ALL OTHER WIRING AND CONDUIT SHALL BE SUPPLIED BY THE CONTRACTOR.



#### **BELT PRESS BUILDING POWER PLAN** SCALE 1/4"=1'-0"

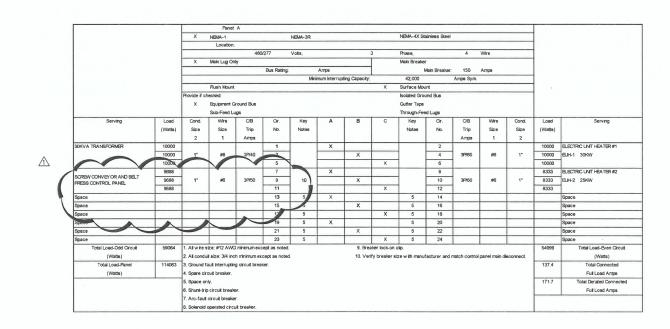
ADDENDUM #1 NO. BY DATE

SCALE: AS NOTED
DRAWN: B. QUERREY CHECKED: B. HENSLEY APPROVED: K. SMITH DATE: 6/2021 DATE: 7/2021 SURVEY DATE: SURVEY BY: FIELD BOOK No

CONTRACT No. 020-10042

BERKELEY COUNTY P.S.S.D. UPGRADES TO OPEQUON-HEDGESVILLE WASTEWATER TREATMENT PLANT BERKELEY COUNTY, WEST VIRGINIA BELT PRESS BUILDING POWER PLAN

SHEET No.



			Panel	В												
			NEWA-1		Х	NEWA-3R				NEWA-4X Str	inless Stee				1	
			Location												1	
				208	/120	Volts,		3		Phase,		4	Wire		1	
			Main Lug Or	ity					Х	Main Breaker					1	
					Bus Rating		Amps				Main Breaker	: 80	Amps			
						Min	mum Interrup	ting Capacity:		22,000		Amps Sym			1	
			Flush Mount						Х	Surface Mou	nt				1	
		Provide if cl	hecked:							Isolated Grou	ind Bus				1	
		×	Equipment 0	round Bus						Gutter Taps						
			Sub-Feed L	ıgs						Through-Fee	d Lugs					
Serving	Load	Cond.	Wire	C/B	Cir.	Key	A	В	С	Key	Cir.	C/B	Wire	Cond.	Load	Serving
	(Watts)	Size	Size	Trip	No.	Notes				Notes	No.	Trip	Size	Size	(Watts)	
		2	1	Аттря								Amps	1	2	, ,	
Lighting, Dumpster Building 14	840			1P/20	1		X			_	2	1P/20			720	Receptacles, Press Building Back
Lighting, Press Building 12	720			1P/20	3			X		-	4	1P/20			720	Receptacles, Dumpster Building Left
Lighting, Exterior	625			1P/20	5				×	1	6	1P/20			720	Receptacles, Dumpster Building Righ
POLYMER ACTIVATION SYSTEM	1500			1P/20	7		Х				8	1P/20			360	Receptacles, Press Building Front
Overhead Door Operator #1	1500			1P/20	9			X			10	1P/20			1500	Overhead Door Operator #2
Exhaust Fan #1, Roof	667			1P/15	11				X		12	1P/15			667	Exhaust Fan #2, Roof
SPACE					13	5	X			5	14					SPACE
SPACE					15	5		х		5	16					SPACE
SPACE					17	5			Х	5	18					SPACE
SPACE					19	5	Х			5	20					SPACE
SPACE					21	5		X		5	22					SPACE
SPACE					23	5			Х	5	24					SPACE
Total Load-Odd Circuit	5852					9. Breaker k	ock-on clip.	-		~					4687	Total Load-Even Circuit
(Watts)		2. All condu	it size: 3/4 inc	h minimum exc	ept as noted	l.										(Watts)
Total Load-Panel	10539	3. Ground fa	ault interruptin	g circuit break	ter.										29.3	Total Connected
(Watts)		4. Spare cir	cuit breaker.													Full Load Amps
		5. Space on	nly.												36.6	Total Derated Connected
		6. Shunt-trip	p circuit break	BF.												Full Load Amps
		7. Arc-fault	circuit breaks	r.												•
		8. Solenoid	operated circ	uit breaker.												

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1 BKH 3−15−22 ADDENDUM #1

NO. BY DATE DESCRIPTION

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SCALE: AS NOTED
DRAWN: B. QUERREY DATE: 6/2021
CHECKED: B. HENSLEY DATE: 6/2021
APPROVED: K. SMITH DATE: 7/2021
SURVEY DATE:
SURVEY BY:
FIELD BOOK No.:

THRASHER

600 WHITE OAKS BLVD. P.O. BOX 940
BRIDGEPORT WV 26330

Www.thrashereng.com

FAX

PHASE No.

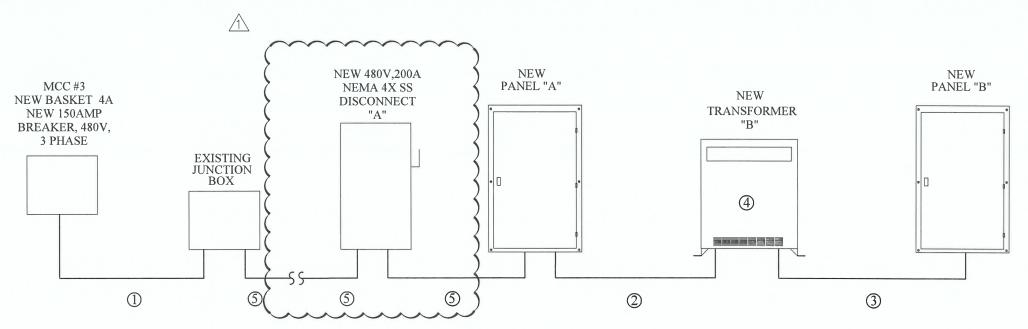
CONTRACT No.

PROJECT No.

020-10042

BERKELEY COUNTY P.S.S.D.
UPGRADES TO OPEQUON-HEDGESVILLE
WASTEWATER TREATMENT PLANT
BERKELEY COUNTY, WEST VIRGINIA
ELECTRICAL PANEL SCHEDULES

SHEET No.



#### RISER PLAN NOTES:

- EXISTING 2" CONDUIT WITH NEW 4 2/0 WIRES AND 1 #6 GROUND.
- ② NEW 1" CONDUIT WITH 4 #8 WIRES AND 1 #10 GROUND.
- 3 NEW 1 1/2" CONDUIT WITH 4 #2 WIRES AND 1-#6 GROUND.
- MEW 30KVA, 480/120/208 VOLT, 3 PHASE, DRY TYPE, NEMA 3R, FLOOR MOUNT TRANSFORMER.
- (5) NEW 2" CONDUIT WITH NEW 4 2/0 WIRES AND 1 #6 GROUND.

9	8	7	6	5	4	3	2	1
9A	8A				NEW			
9B		7A	6A		BELT PRESS			
9C	8B	7B	EXISTING SLUDGE BUILDING		BUILDING FEED 150 AMP	3A		
9D	_ [		ENCLOSURE 40 AMP					
9E		7C	6B	5A	4A	3A		
9F	8C							
9G		7D						
	8D 8E							
9H		7E						
	8F							
91	8G	7F	6C	5B	4A	3A	2A	1A

MCC #3
(LOCATED IN THE ELECTRICAL ROOM)

#### NOTES:

- 1. EXISTING BELT PRESS CONTROL PANEL (8A) SHALL BE DISCONNECTED AND LABELED AS "SPARE".
- 2. EXISTING SLUDGE BUILDING ENCLOSURE (6B) SHALL BE DISCONNECTED AND LABELED AS "SPARE".
- 3. NEW BASKET (4A) SHALL BE A 3 PHASE, 200 AMP FRAME WITH 150 AMP BREAKER FOR NEW BELT PRESS BUILDING MAIN DISCONNECT.

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ddw - Tander Refereing Greef Colores and Appart Field Galler Haller Specifyspel, bester ong

SCALE: AS NOTED

DRAWN: B. QUERREY

CHECKED: B. HENSLEY

APPROVED: K. SMITH

DATE: 7/2021

SURVEY DATE:

SURVEY DATE:

FIELD BOOK No.:

THRASHER

500 WHITE OAKS BLVD. P.O. BDX 940
BRIDGEPORT W 26530
Www.thrashereng.com
(304) 624-4108 (304) 66

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CONTRACT No.

PROJECT No.

020-10042

BERKELEY COUNTY P.S.S.D.
UPGRADES TO OPEQUON—HEDGESVILLE
WASTEWATER TREATMENT PLANT
BERKELEY COUNTY, WEST VIRGINIA
ELECTRICAL RISER PLAN

SHEET No.

**E**5

LAYOUT TAB: Sheet E5 CAD FILE: R:\020\020-10042 BE