Hot Springs Village POA

Cedar Creek WWTP Improvements

Project No. 24022

ADDENDUM NO. 3 TO THE CONTRACT DOCUMENTS

HOT SPRINGS VILLAGE POA, HOT SPRINGS VILLAGE, AR

CEDAR CREEK WWTP IMPROVEMENTS

This Addendum No. 3 issued by Crist Engineers, Inc. is hereby made a part of the Contract Documents to the same extent as though it were originally included therein. Please read the following items and acknowledge receipt of this addendum on the proposal form when submitting bids.

1. Conditional Approved Equal

Engineer's acceptance of pre-approved or approved equal submissions will not relieve Contractor from his responsibility for any deviation from the requirements of the Contract Documents unless Contractor has in writing called Engineer's attention to such deviation at the time of submission and Engineer has given written approval to the specific deviation, nor shall any acceptance by Engineer relieve contractor from responsibility for errors or omissions in pre-approved or approved equal submissions.

a. Section 333400 Force Main Pipe and Fittings:

Page 7, 2.2.J.1

"All DIP interior shall be furnished and coated with standard factory applied Protecto 401 Ceramic Epoxy (P401) , Tnemec 431 coating meeting the amine cured novalac epoxy containing at least 20% by volume of ceramic quartz pigment or approved equal."

Page 11, 2.6.B.1

"All interior DI fittings shall be furnished and coated with standard factory applied Protecto 401 Ceramic Epoxy (P401), Tnemec 431 coating meeting the amine cured novalac epoxy containing at least 20% by volume of ceramic quartz pigment or approved equal."

b. Section 400520 Process Pipe and Fittings:

Page 15, 2.4.I.1

"For all sanitary sewer, pressured or gravity, biosolids, scum or otherwise, pipe interior shall be furnished and coated with standard factory applied Protecto 401 Ceramic Epoxy (P401), Tnemec 431 coating meeting the amine cured novalac epoxy containing at least 20% by volume of ceramic quartz pigment or approved equal."

Page 18, 2.5.B.2.a

"Interior coated in accordance with Protecto 401 Ceramic Epoxy (P401)), Tnemec 431 coating as described herein."

Page 24, 2.9.B.3

"All sanitary sewer, pressured or gravity, biosolids, tertiary filter backwash or otherwise use, pipes shall be interiorly coated with standard factory applied Protecto 401 Ceramic Epoxy (P401), Tnemec 431 coated as described herein."

Page 26, 2.9.H.1

"For all sanitary sewer, pressured or gravity, biosolids, decant, tertiary filter backwash, or otherwise, pipe interior shall be furnished and coated with standard factory applied Protecto 401 Ceramic Epoxy (P401), Tnemec 431 coating meeting the amine cured novalac epoxy containing at least 20% by volume of ceramic quartz pigment or approved equal."

2. Contract Documents

a. Revise Section 055000, page 11, add:

"2.8 METAL GRATING

A. Grating shall have rectangular, 3/16-in thick, bearing bars spaced 1-3/16-in on center with cross bars spaced at 4-in on center. All grating panels shall be banded with a bar the same size as the bearing bars. All grating shall be slip-resistant.
    1. Grating shall not exceed the fabricator's maximum recommended span, and meet or exceed the following load and deflection criteria for the maximum span length at the opening being covered by the grating.
        a. The grating shall produce a deflection of 1/360 of the span or less but not more than 1/4" under a uniform live load of 100 lbs/sq ft on the maximum span.
        b. The grating shall produce a deflection of 1/360 of the span or less under a concentrated live load of 300 lbs applied at the mid-point of the maximum span.

2. Openings 2-in or greater in diameter/dimension and grating edges shall be banded with a bar of the same depth and thickness as the bearing bars. Cut bearing bars or cross bars shall be welded to the banding bar.
3. Provide trench grating with symmetrical cross bar arrangement.
4. Grating clamps, nuts, bolts, washers and other fastening devices for grating and grating supports shall be Type 316 stainless steel. All grating shall be anchored to the supporting system using saddle clips.

B. Aluminum grating material shall be aluminum alloy 6063-T6 with a mill finish. Cross bars shall be attached to the bearing bars with interlocked swaged joints. The grating shall be Type BS by IKG Borden, Houston, TX; Type 19 SG-4 by Ohio Gratings, Inc., Canton, OH; Type 19S4 by Seidelhuber Metal Products, San Carlos, CA or equal.

C. Metal frames and supports for grating shall be of the same material as the grating unless otherwise shown on the Drawings. Where aluminum supports are used, they shall be fabricated from aluminum alloy 6061-T6."

b. Revise Section 407223, page 1, 2.1.C,

"All housing and/ or cabling materials shall be suitable for use in an environment described and IP68/ NEMA 6P. The manufacturer shall provide sufficient enough cabling from the signal converter ~~(i.e. FMU90, FMA90)~~ to the application location as field measured by the Contractor."

c. Revise Section 407513, page 1, 2.1.B,

"All oxidation-reduction analyzers shall be ~~optical type~~ in accordance with"

d. Revise Section 466146, page 10, Valves/ Piping section:

"2 - discharge control valves (4" gate valves, bronze, wheel operated); insulated (may be omitted by the equipment supplier if it is determined that they are not necessary to achieve the flow and head requirements as identified herein)"

3. Plans

a. Delete Plan Sheets 00G400 and replace with Plan Sheets 00G400 Addendum No. 3.

b. Revise Plan Sheet 00GI004, 13.A.d:

"SEPARATED FIELD OFFICE FOR USE BY THE RESIDENT PROJECT REPRESENTATIVE OF AT LEAST ~~250~~ 400 SQFT CONTAINING….."

c. Revise Plan Sheet 00GI009, rows BACKWASH DISCHARGE (3"-BWR-304LSS-1, 3"-BWR-304LSS-2), BACKWASH RECYCLE (3"-BWR-304LSS-1, 3"-BWR-304LSS-2):

"...HEAT TRACE TO BE CONTROLLED BY 120-RIO-~~2~~ 1."

d. Revise Plan Sheet 00GI017, delete rows table in their entirety:

~~"3" FV-SCUM-1"~~

~~"3" FV-SCUM-2"~~

e. Revise Plan Sheet 00GI009, rows:

10SPIT-1/ RLIT-1, 10SC-5, 10SPIT-3/ RLIT-3, 10SC-7

"~~462113~~ 462116/ 407327"

10FS-2, 10FS-4

"~~462113~~ 462116/ 407276"

10BS101, 10BS103

"~~462113~~ 462116"

20FS-1, 20FS-2

"~~462113~~ 462323/ 407276"

f. Revise Plan Sheet 00GI035, 120 – Tertiary Filters, Rows 4"-GV-BWW-1, 4"GV-BWW-2:

"PROVIDED BY EQUIPMENT SUPPLIER. PIPING AND ASSOCIATED VALVE TO BE HEAT TRACED AND INSULATED BY OTHERS WHEN LOCATED OUTSIDE OF ENCLOSURE. VALVE MAY BE OMITTED PER SECTION 466146.

g. Delete Plan Sheets 05C103 and replace with Plan Sheets 05C103 Addendum No. 3.
h. Delete Plan Sheets 05C109 and replace with Plan Sheets 05C109 Addendum No. 3.

00M900, 10M101, 10M302, 20M101 concrete paving (i.e. dumpster pads) will be updated to reflect concrete paving as shown on 05C109 in the conformed set.

i. Delete Plan Sheets 05C333 and replace with Plan Sheets 05C333 Addendum No. 3.
j. Delete Plan Sheets 10-S-101 and replace with Plan Sheets 10-S-101 Addendum No. 3.
k. Delete Plan Sheets 20-S-102 and replace with Plan Sheets 20-S-102 Addendum No. 3.
l. Revise Plan Sheet 50M101, 50M301 labels:

"~~18"-PV1-RS~~ 18"-PV-INF-1"

"~~18"-PV2-RS~~ 18"-PV-INF-2"

"~~40-EMO-1~~ 50EMO-1"

m. Revise Plan Sheet 70M600:

Table "70-GATE SCHEDULE" will be updated to reflect applicable gates as shown on 00GI013 in the conformed set.

n. Delete Plan Sheets 80M101 and replace with Plan Sheets 80M101 Addendum No. 3.

o. Revise Plan Sheet 80M600:

Table "80-GATE SCHEDULE" will be updated to reflect applicable gates as shown on 00GI013 in the conformed set.

Delete table "~~80-PROCESS MECHANICAL EQUIPMENT SCHEDULE~~":

p. Revise Plan Sheet 90M104 to add note:

"24"-MLSS-PVC-6, 24"-MLSS-PVC-7 AND 24"-MLSS-PVC-8 ARE TO PENETRATE THEIR RESPECTIVE STRUCTURES AT A CL ELEV. OF 489.47 +/-. REF. NOTE ON SHEET 05C111."

q. Revise Plan Sheet 90M301 to add elevation:

24"-MLSS-PVC-9 (TYP.) CL ELEV. = 482.05

r. Revise Plan Sheet 90M600:

Table "90-GATE SCHEDULE" will be updated to reflect applicable gates as shown on 00GI013 in the conformed set.

s. Delete Plan Sheets 100M301 and replace with Plan Sheets 100M301 Addendum No. 3.

t. Delete Plan Sheets 110M301 and replace with Plan Sheets 110M301 Addendum No. 3.

u. Revise Plan Sheet 180M100, labels:

"~~6~~ 8"-DEC-DIP-2"

v. Revise Plan Sheet 00E950,

label, below 160-RIO-1:

"~~160-OIT-2~~"

label, below 120-RIO-1:

"Area ~~130~~ 120"

w. Revise Plan Sheet 00E951, strike reference to redundant server(s), the system shall utilize a single server configuration as specified in §251113.

4. Contractor's Questions

a. Please see the attached Contractor Questions and Responses, Pages 1 through 8.

End of Addendum No. 3

All other provisions of the Plans and Contract Documents shall remain in full force and effect.

Issued by CRIST ENGINEERS, INC.

Brian N. Wintle, PE, PhD, BCEE, CHMM

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18592
BRIAN N. WINTLE
05/22/2026

The Bidder acknowledges receipt of Addendum No. 3 through downloading/ receiving via Newforma. It is the bidder's responsibility to incorporate all addendum items into the contract documents (electronic and/ or paper) as though they were originally included therein.

Bidder shall also acknowledge Addendum No. 3 on Section 004100 Bid Form (C-410).

Hot Springs Village	**24022** **HOT SPRINGS VILLAGE POA CEDAR CREEK WWTP IMPROVEMENTS** **CONTRACTOR QUESTIONS AND RESPONSES**	Crist ENGINEERS	

Ref No.	Question	Formal Response	Addendum No
1	Referencing plan sheets 05C111 and 05C112 Yard Piping North and South. These sheets do not show the structures the piping is connecting to. Please clarify.	See Addendum No. 1.	Addendum 01
2	Regarding demo pictures 16, 39, 60 and notes that direct the contractor to clean, remove grit organics, rags etc. Can the Engineer provide a elevation that the existing liquids can be removed to by the Owner? Or, what the contractor can expect as far as quantities?	Contractor to convey biosolids from existing structure 90 to existing structure 70 to 80% water depth. Remaining 20% estimated to be inorganic solids to be removed by contractor. The owner will remove and dewater the biosolids contained within the existing structure 70 and 180 to 90% water depth. Remaining 10% estimated to be inorganic solids to be removed by contractor.	-
3	Referencing plans sheets 40 S 301 and 40 M 301 for the Dry Weather Storage Basin. The M drawings indicate stone backfill around the walls. The S drawings do not. Is stone backfill required?	Yes, reference note on 40-M-301. Also see Specification 312301. See Addendum No. 2.	Addendum 02
4	Please referenced plan sheet 05C101, Note 2 regarding temporary fencing “where appropriate”. Will temporary fencing be at the Contractor’s discretion or will it be required?	Yes, at contractor's discretion to appropriately secure the site.	-
5	Flexible Expansion Joints are listed in spec 331113, page 21 and 333400, page 15. The specs do not however, indicate where they are to be used or on what lines. Are they to be used only where called out on the drawings or is there a general requirement for them? If there’s a general requirement, additional location information (proximity to structures) and pipe designations would be needed.	Yes, they are to only be used where called out on the drawings.	Addendum 02
6	Please see drawing sheet 05C301. What is the termination for the 6” FM PVC 1 at station 0+00? I cannot determine whether it ties into the adjacent box or maybe connects to an existing pipe.	See Addendum No. 2.	Addendum 02
7	Same drawing as above, please confirm the notation on station 0+23 should be 6” MJ 90 Bend rather than 4”.	See Addendum No. 2.	Addendum 02
8	Please see drawing sheet 05C302. What happens at station 0+00 on the 6”-FM-PVC-2 line? Does it tie into existing piping or into structure 230? I cannot locate any drawings of building 230, the existing Wash Water Lift Station	See Addendum No. 2.	Addendum 02
9	Line 6”-FM-PVC-3 on drawing sheet 05C111 has a section that appears to be labled “24”-INF-DIP-2”. Is this a mistake or is there another line somewhere that should be labeled “24-INF-DIP-2”? Also, how does this line terminate? Does it tie-in to an existing line?	See Addendum No. 2.	Addendum 02
10	Similarly for 6”-FM-PVC-4 , 12-FM-PVC-2, 18-FM-PVC-1 and perhaps other areas where proposed piping is shown ending in the field, are these tieing into existing lines? If they are tieing into existing lines, to what extent should the existing, unused piping be removed and how should it be abandoned if all or part is left in place.	See Addendum No. 2.	Addendum 02
11	Can a drawing be produced that shows the proposed piping as well as the existing piping to help show potential conflicts or the extent of existing buried piping that must be removed?	Reference Plan Sheet 00G004.	Addendum 02
12	Do pipes under structures require encasement? If so, how much all around and should it be reinforced?	Ductile iron pipes that are to be installed under structures as identified in the schedules shall be encased per Detail H on Sheet 00SZ02.	Addendum 02
13	Where are thrust blocks required?	No thrust blocks required. All restraints are per Plan Sheet 05C501, Detail A and in accordance with Sections 331113, 333400 and 400520.	Addendum 02
14	Spec 333400-12, paragraph J states that ‘couples’ shall be coated with fusion bonded epoxy. Should that be interpreted that where new pipe connects to existing, a coupling, for example EBAA 3800, should be used verses an asphalt coated DI MJ Solid Sleeve?	Couples or solid sleeves are allowed in accordance with Spec. 333400-13, 2.8.1. and shall coated according to Spec. 333400-12, 2.6.J.	Addendum 02
15	Drawing sheet 05C314 calls out valve 1”-AVRV-TWAS-2. I cannot locate it on the valve schedule. Should it be added to the valve schedule or is it mis-named on the drawings? It appears that perhaps it should be identified as 1”-AVRV-TWAS-1, which is on the schedule.	See Addendum No. 2.	Addendum 02

16	See drawing sheet 05C314. Should the 60" Vaults for 1"-AVRV-TWAS-2 and 4"-RD-TWAS-1 have a 36" diameter opening in their bases or should they be solid? There does not appear to be any 2" drainage PVC DWV under these MH's. Should the 60" vault for the Rupture Disk have a flat top and vent similar to the AVRV vaults?	See Addendum No. 2. Rupture disc detail shown on Plan Sheet 05C505, Detail C.	Addendum 02
17	I cannot locate a spec or detail for process floor drains. Please provide.	Floor Drains provided may be in accordance with Section 221100.	Addendum 02
18	Please clarify the following by Addendum. The Rolling Stairs and Platforms shown on the Drawings (20 Series and 195 Series), do not appear to be sized per the models/sizing listed on page 2 of Section 055136. Based on the manufacturer's data sheets attached, please clarify the model and size required for each of the five locations listed	Model numbers identified in Section 055136 shall control.	-
19	SC-7.02.C – Please provide the engineers engineer's overtime pay rate and any additional rates that may apply.	The intent of this section is that there be a mechanism for if excessive work outside of normal business hours if pursued by the Contractor than the Contractor will provide for compensation to the Owner's representatives for work outside of normal business hours. However, in practice, if the Contractor does not exceed ~48 hours per week requiring Owner's representatives staff to be onsite or regularly work on the weekends or holidays then exercising of this section is unlikely to be pursued.	-
20	Is this a BABA project? -If not Section 33113 2.2.4 Calls for "All steel pipe shall be manufactured in the USA." -If not Section 400531 2.2.A.4 Calls for "all pipe to be manufactured in the USA, using domestic materials." Is this correct?	The Project is not required to be Build America, Buy America Act Compliance.	-
21	Section 400557 Electric Motor Actuators 1.4.B states, "electric motor actuators for slide gates shall be manufactured by Limitorque, Auma, or pre-approved equal. Section 400559 Slide Gates & Weirs 1.7 Acceptable mult-turn electric gate actuators, states Limitorque and Rotork. Which is correct?	See Addendum No. 2.	Addendum 02
22	MCC-M4 Electrical Schedule is incomplete and is missing 110CD104, 110CD103, 110PMP103 & 110PMP104. Can we get an updated schedule to capture the breakers and starters needed for this equipment?	Starters are included in 110-CP-3, 110-CP-4, 110SP-CP-3, and 110SP-CP-4 (Refer to civil schedule notes). Refer to keyed note 5 on 00E240 for breaker sizes required in MCC-M4. The schedule for MCC-M4, see Addendum 02.	Addendum 02
23	Where will LP-Chem get its source of power from?	Refer to Keyed Note 10 on 00E100.	-
24	The door schedule on sheet 360-S-502 lists doors D1 and D14 to have a FRP frame and steel door. These are the only openings listed to have a fiberglass frame. Is this an typographical error?	See Addendum No. 2.	Addendum 02
25	Spec section 08 33 23 for overhead doors calls for explosion proof motors and controllers in paragraph 2.05E. Please confirm this is required as it will greatly affect pricing. Also, please confirm the requirements of paragragh 2.05F.	See Addendum No. 2.	Addendum 02
26	See drawing sheets 05C111 and 05C317. On 05C111, there's a line marked 4"-SCUM-PVC-3 running N-S between the Future Clarifiers with what may be a line off of a TEE about midway, running E-W between Clarifiers 1103 & 1104. This branch off the TEE appears to be labeled 4"-SCUM-PVC-4. Please confirm that these lines are FUTURE. Also, if these lines are future, should a TEE and Plug be installed on 4"-SCUM-PVC-4 (that runs between 1103 & 1104) to receive them in the future? Sheet 05C317 shows a line crossing 4"-SCUM-PVC-4, which is the branch off of the TEE. There does not appear to be any profile drawings of these lines in question.	See Addendum No. 2.	Addendum 02
27	Drawing 05C111 shows the 12"-RAS-DIP-1 line running under structure 290, identified as Chemical Storage 2. Although structure 290 is shown on demo drawing 00D101, and boxed around, we cannot find anything stating that this structure gets demolished. Does this structure get demolished? If not, how should 12"-RAS-DIP-1 be routed around it?	See Addendum No. 2.	Addendum 02
28	Regarding the retaining wall shown at the Dewatering Building Sheet 195-S-101 and other locations. Does this wall have/require handrail at the top? We did not see any.	Handrailing at this location is not required. However, see Addendum No. 2.	Addendum 02
29	On Sheet E310, three conduit runs are shown from Plant-PLC-1 to the MCCs located within that building; however, there is no description provided for these conduits. Can a conduit schedule or additional detail be provided for clarification?	Refer to the Control I/O drawings for wiring required between the MCCs and Plant-PLC-1. Size conduit as directed by General Note A. If conduit is shown but no wiring is required on the Control I/O, make the conduit a 1" spare conduit.	-

30	For the duct bank outside of Building 350, should we assume the conduits will stub up on the exterior wall and transition to overhead conduit routing to the respective equipment, or should we plan to saw cut and remove portions of the building floor in order to install the conduits underground?	See Note 4 on 00E310.	-
31	Is cable tray permitted within electrical rooms?	Cable tray is not permitted.	-
32	Please clarify whether detail I on sheet 00-SZ-07 applies to all pipe penetrations, whether the structures are existing or new. On sheet 90M104 (for example), although not called out as concrete pipe collars, there are what appears to be faint rectangles drawn over the footing where the new 24”-MLSS-PVC-7 & 8 enter the two new Oxidation Ditches. We are not sure what these rectangles are depicting.	See Addendum No. 2.	Addendum 02
33	Please see drawing sheets 05C330 and 50M101. The same 24” valve appears to be marked 24”-PV-INF-4 on 50M101 but 24”-PV-MLSS-1 on sheet 05C330. Both mark numbers are listed on the valve schedule.	See Addendum No. 2.	Addendum 02
34	Drawing 50M101 shows a 24” valve marked 24”-PV-MLSS-2 but it does not appear to be on the valve schedule.	See Addendum No. 2.	Addendum 02
35	Drawing 05C330 and 70M100 has two 24” MJ valves marked 24”-PV-MLSS-3 & 4. These valves cannot be located on the valve schedule.	See Addendum No. 2.	Addendum 02
36	Per the dwgs sheet 00G004.13.A.d calls for a 250 sqft trailer for the engineer. The specifications call for a 400sqft trailer, which is correct?	See Addendum No. 3.	Addendum 03
37	Drawing Sheet 195-S-503 Detail A – what type of soffit material is required?	Provide fiber cement board soffits with vents. Off-ridge vents shall also be provided in the roof meeting IBC requirements.	-
38	After becoming more familiar with the project construction requirements and reading the suggested sequence of construction it is not our opinion that the project can be substantially completed in 600 days. We believe that it will take 600 days to complete the addition and required startup and an additional 270 days for the renovations to the existing plant, for a total of 870 for substantial completion. With an additional 60 days for final. This would be a total of 930 days. Please consider this request for additional time.		
39	Although I may be overlooking it, I cannot seem to find the elevations of 24”-MLSS-PVC-6, 7 or 8 where they enter the Ox Ditches. These are the Ox Ditch influent lines, shown on drawing sheet 90M104. Please provide.	CL elev. of 24"-MLSS-PVC-6, 7, 8 is 489.47+/- as shown on plan sheet 00GI010. See addendum No. 3.	Addendum 03
40	See sheets 100M101, 102 & 301 and 110M102. Does detail I on 00-SZ-07 (conc wall collar) apply to the 24”-MLSS-DIP-4 & 5 lines where they exit the Splitter Box or does detail H on 05M504 apply (core w/ link seals and nonshrink grout)?	Yes, structure 100 is an existing structure.	-
41	Also, on the same lines referenced on question 2, the first fittings out of Splitter Box are 90° bends, which turn the lines down into the ground. In the fitting’s table, they are listed as MJ however graphically they are flanged. Please confirm these 90° bends are to be flanged.	Yes, all below grade fittings are MJ unless otherwise indicated.	-
42	The elevations and fittings shown on line 24”-MLSS-DIP-4 on drawing sheet 05C311 do not appear to match what’s shown on 100M301 and 110M301. Please confirm that the elevations and fittings shown on 100M301, 110M301, etc. on mechanical drawings are correct.	See Addendum No. 3.	Addendum 03
43	Drawing sheet 05C331 (24”-MLSS-DIP-4) includes 3ea anchor collars. Drawing sheet 05C332 (24”-MLSS-DIP-5) does not list or show anchor collars but is a similar line. Are anchor collars required on 24”-MLSS-DIP-5?	Detaill 00-SZ-07 only apply to connections to existing structures.	-
44	See sheets 100M101 and 05C333. Please confirm that a pipe connects the effluent box of existing Clarifier 1102 to the effluent box of existing Clarifier 1101. The presence of an existing pipe is the only conduit I can find for Clarifier 1102’s effluent to reach the Tertiary Filters.	Confirmed, see 00G004 and Section 014000, page 10, 1.20.	-
45	What is happening on sheet 05C333 (existing clarifier effluent to new Tertiary Filters)? Are we intercepting the line that went to the existing Tertiary Filters, effectively taking the existing filters out of service or is the intent to install a wye in order to run both the new and existing filters? Looking at 130-S-101 (UV structural mods) it appears that the existing filters will in fact be taken off line.	The intent is that when the new connection is made that secondary clarifier effluent will only travel to the new tertiary filters thus taking the existing filters out os service.	-
46	If the existing Tertiary Filters are abandoned, to what extent should the buried piping entering and exiting be demolished? Only what’s required to make new piping tie-ins? If the existing piping is to be left abandoned in place, is a concrete plug on the cut ends a satisfactory way to seal them off for burial and abandonment?	MJ plug with concrete backing for abandonment is sufficient. Abandoned in place is sufficent.	-
47	On the series 40 mechanical drawings, the 24” line on the north side of the Rate of Flow Controller Vault and Diversion Structure is marked 24”-INF-DIP-3. It’s probably best shown on sheet 50M101. Drawing 05C330 appears to mark this same line as 24”-MLSS-PVC-1. Should it be PVC or DIP? If DIP, where does it transition to the 24”-MLSS-PVC-1 line that routes to the Anearobic Selectors?	Confirmed, 50M101, DIP. See transition as shown on 50M101.	-

48	In reference to Addenda 2 item f to confirm, All structures are to be backfilled with an 8” wide envelop of stone or the specified soils, correct?	Reference the provided geotechnical report and Section 312301.	-
49	On drawing 70-S-103 detail B, the walkway support bracket SB-1 shows it to be 316 stainless steel. However, the material shown for the split tee is to be cut from an aluminum beam. Please clarify if the support is to be stainless or aluminum. If the support is to be stainless steel, please size the stainless steel tee.	The support bracket shall be SS 316L while the support beams above and bearing on the bracket are to be aluminum. The SS bracket tee shall have a minimum flange width and web depth of 6". The flange thickness shall be 3/8" minimum and the web thickness shall be 1/4" minimum.	-
50	Please confirm if there will be one pump per filter of two. The specification language reads as if there are two pumps per filter, while the drawings only show one per filter.	Confirmed, 120PMP101 and 120PMP102 (one per filter skid) are included in the scope of supply for the equipment supplier (i.e. manufacturer) for 466146.	-
51	Discharge control valves are not used to regulate the backwash flow as this will be accomplished by the VFD and flow meter. Without a VFD to regulate flow, the control valve would be used to throttle the flow to the target pumping rate. Please remove these from the specification.	See addendum no. 3.	Addendum 03
52	The backwash pumps shown in the drawings include a v-belt. AASI typical backwash pump arrangement has the backwash pump and drive motor directly coupled. Please update the drawings to show the backwash pumps without a v-belt.	Confirmed. Backwash pump used shall meeting the requirements of 466146.	-
53	Please confirm panel 120-RIO-1 is not within AASI scope of supply despite appearing to be mounted to the filter. If the panel is outside of AASI supply it should not be mounted directly to the filter tank. If the panel is within AASI scope, please indicate where the panel equipment specification is located.	120-RIO-1 is not included in the scope of supply for the equipment supplier (i.e. manufacturer) for 466146. 00E250 identifies its location.	-
54	Can you share the AutoCad File for Cedar Creek with us please?	Yes, however, electronic files are not included in the contact documents per Section 010000, page 1, 1.2.	-
55	The contours on Sheet 05C102 appear to show the proposed site grade sloping from west to east down to EL. 494.00’ along the west end of the existing/new Oxidation Ditches. The top of the Oxidation Ditches at the W12A Walls is EL. 494.48’. Is any Aluminum Guardrail required on the west end of the Oxidation Ditches? How is the water routed away from the west end of the common walls between Oxidation Ditch 901/902 and 902/903?	See Addendum No. 3.	Addendum 03
56	Please see drawing sheets 05C333 and 120M301. Please verify that the TEEs that turn up to feed the Filters are 24” X 24” and not 24” X 18” as shown on 05C333 and the MJ reducers above them, shown on sheet 120M301, are 24” x 16” and not 24” x 18” as described in the fitting schedule on sheet 120M101.	See Addendum No. 3.	Addendum 03
57	What is the pipe centerline elevation where the 24”-MLSS-PVC-6, 7 & 8 lines enter the Oxidation Ditches? Do they run level and enter at C/L 490.58 as shown on 80M302?	See response to Question No. 39.	-
58	What is the pipe centerline at the structures where the 24” Effluent lines exit the Effluent Boxes?	Ref. to 00G010. See Adendum No. 3.	Addendum 03
59	Does the 24”-MLSS-DIP-1 line begin at the 24” Tee? See sheet 05C111. Does it tie into an existing 24” line with a DI solid sleeve at the location where the line terminates on 05C111?	The intent is the existing 24"-MLSS-DIP-1 will connect at the new proposed 24x24x24 MJ tee with a new segment of pipe (~20 FT) to eliminate the area that traps air, see Sheet 00GI007.	-
60	Are the existing clarifiers to be blasted and coated?	No.	-
61	Drawing Sheet 00D103 Sidewalks – states to remove concrete panels and rubblize. What is the acceptable size to be considered rubblized? Concrete stairs and decking are also called out to be rubblized.	6 to 12 inches (similar to Type 1 Rip Rap), free of reinforcing steel if present.	-
62	The attached plan sheet shows an existing road at the plant I have clouded. This is an existing asphalt road and has several proposed lines running down it. What will be required after construction for this road? Asphalt in kind? Gravel?	See Addendum No. 3.	Addendum 03
63	Confirming discussions with The Owner at the Pre-bid meeting. It will be allowable for the contractor to access the site from the Ponce De Leon Drive access off of Highway 5. In addition the contractor will not be responsible for any potential damage to the POA’s roads between the public roadway and the project site.		
64	Do you have the weight of the existing generator that is to be relocated to Cedar Creek?	See Section 014000, page 6, 1.13.	-
65	Please indicate where the office trailers and laydown yard are to be located.	See Addendum No. 3.	Addendum 03
66	Drawing Sheet 00D103 Cleaning Photos 16 (Ox Ditch), 39, and 60 (70 Anaerobic Selector), call for the grit, organic rags, grease, etc. to be removed. Please provide a quantity of material to be removed.	See response to Question No. 2.	-
67	Will the Owner be responsible for dewatering the existing structures prior to the GC occupying them?	See response to Question No. 2.	-

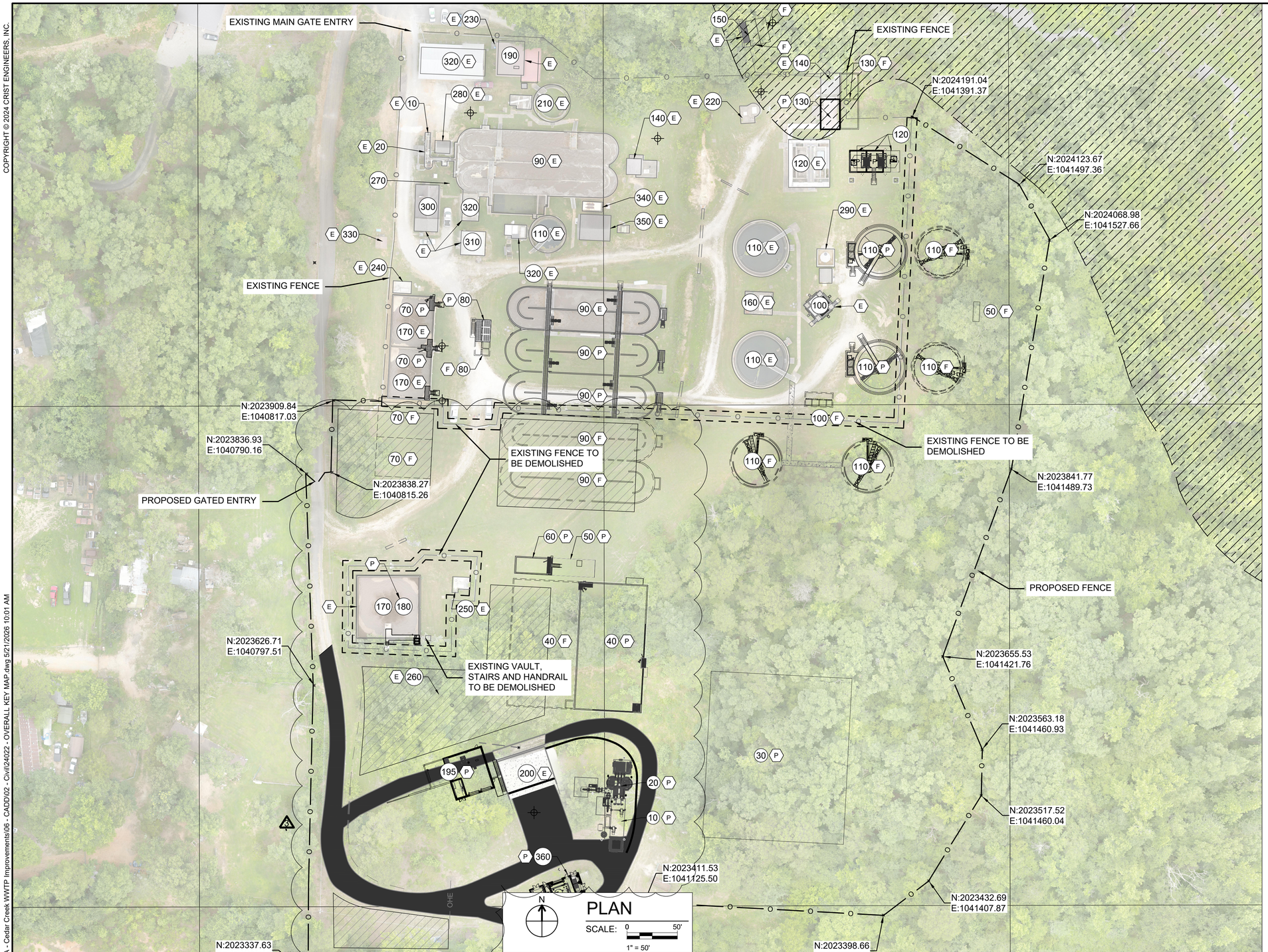
68	Prior to startup of the new facility will any wastewater have to be pumped to the new structures for organic purposes. Or can flow simply be diverted to the new structures?	Other than removing the biosolids and inorganic solids as identified in Question No. 2, we do not anticipate transfer pumping between oxidation ditches for start-up purposes.	-
69	Will there be any time required in the new structures for bug growth that effects startup? If so, please state how much, this effects the 600 days.	At this point, we do not anticipate any specific period of time necessary for biosolids growth during start-up.	-
70	Plan Sheet 00GI003 shows Structure 160 in black, 00G400 shows it as existing. Please confirm that this structure stays " AS IS ".	Confirmed.	-
71	Plan Sheet 00G400 lists a structure with number 370 as proposed. Please clarify what this structure is and add to Structure Key.	See Addendum No. 3.	Addendum 03
72	Plan Sheet 30C502 shows different sizes for the SS Trash Rack. Please clarify if the size is 36" x 36" or 40" x 36" as shown in Detail B.	Nominal rack opening size vs. frame size.	-
73	Plan Sheets 20-S-102 / 20-S-302 show Grating in the Grit Chamber decks. According to 00-SZ-06 this calls for an Extruded Grating Frame. Can the round section of the frame be replaced with a recess in the concrete wall ?	Yes, an embedded frame can be eliminated in this area only.	-
74	Plan Sheets 10-S-102 and 20-S-102 show the required Headworks Grating. Based on the Grating Schedule in 00-SZ-06 this would require 1-1/4" and 1-1/2" Grating. Can this Grating be standardized to either thickness ?	Yes, the Contractor may elect to provide the same thickness grating everywhere for simplicity. The grating should also meet the requirements of the specification Section 055000 paragraph 2.8. See Addendum No. 3.	Addendum 03
75	Plan Sheets 40-S-102 and 50-M-901 show the required Ladder to the corner Platform at the Dry Weather EQ Basin. Please confirm that this Ladder is as per 05M507 Detail B.	See response to Question No. 77.	-
76	Plan Sheet 50-S-101 (40M901) shows a 6'-2" x 10'-0" concrete deck. Please confirm that this deck does not require an Access Ladder or Staircase.	See response to Question No. 77.	-
77	Plan Sheets 50M102 and 50M301 do show an Access Ladder above and below the Access Hatch. 50-S-101 and 50-S-301 do not show this Ladder. Please confirm if this Ladder is required, will it be according to 05M510?	Yes, there is an access ladder, for hatches and platforms, ref. to 05M510, detail F & G, for tank or platform, ref. to 05M507, detail B.	-
78	Plan Sheet 70-S-102 shows three Staircases to the walkways. Please confirm the elevation for the concrete landing pads.	Ref. to 05C103.	-
79	Plan Sheet 70-S-103, A / 1, does not show a L3x3x1/4" support angle on the outer concrete wall, the small grating section. Please confirm that this support angle is not needed. Also, please confirm that the grating on the inside only requires one (1) SB-1 Support Bracket.	Yes, a ledger at the concrete wall supporting the small area of grating to the outside of the structure is needed. Alternatively the grating can simply span east-west. Yes, only one (1) SB-1 bracket is needed on the interior area of grating.	-
80	Plan Sheet 110-S-103 shows a Staircase to the Clarifier. Please confirm that this Staircase is a Type 1 Staircase as per 00-SZ-09 with added support columns as per 110-S-104, Detail B.	Yes, that is correct.	-
81	Plan Sheet 120-S-301 shows the Aluminum Perimeter Handrail mounted on top of the Aluminum Grating. Please confirm if the mounting is per 00-SZ-05, Detail H and the Grating will need to be notched out and banded as required.	It is preferred that the guardrail be side mounted per the standard details. This will need to be coordinated with the final filter layout and extent. Alternatively, the railing can be top mounted and an additional ledger angle can be added to the platform channels to support the grating thus not requiring the notching.	-
82	Plan Sheet 180-S-101 shows new Grating using existing embed sections. Please advise of the Grating thickness required.	This shall be field verified.	-
83	Plan Sheet 195M100 shows two (2) of the Rolling Stairs listed under 05 51 36, 2.1 B. Please indicate where the 3rd Rolling Staircase is located.	Ref. to 00GI039 safety schedule.	-
84	Plan Sheets 90-S-101 and 90-S105 show Staircases at the new Oxidation Ditches and Splitter Box. Please indicate the elevation for the concrete landing pads.	Ref. to 05C103 and 05C104.	-
85	Plan Sheet 120-S-301 does not show any Valve Vaults. 120M100, 301 and 302 show two (2) Valve Boxes which are detailed in 05M512 as new, CIP boxes. Please indicate the precise location and elevation of these structures. Also, 05C111, ADD 2, shows the two Vaults without any connected piping. Please clarify.	See note in Section 2, concrete vaults may be ASTM C478 or Cast-In Plance Vault. See 120M302.	-
86	Plan Sheet 180M900 shows an Access Hatch and a small Grating section in the new Pump Deck addition. This Hatch can not be found in 18-S-101. Please clarify if this Hatch is needed.	Ref. to 432313, page 6, Section 2.2. Final layout, penetrations, openings, et al. will need to be coordinated with the manufacturer during submittal process.	-

87	Plan Sheet 05M512 shows details for Valve Vaults allocated to the existing Clarifiers, #1101 and #1102. 00G400 does not show these Vaults, while 00GI003 shows them attached to the existing Clarifiers. Please clarify with details on location, elevation and piping requirements.	Ref. to 05C316.	-
88	Plan Sheet 05M512 shows details for a Valve Vault at the Aerated Sludge Storage, Structure 180. 00G400 only calls for the existing Vault to be demolished. Please clarify with details on location, elevation and piping requirements.	Ref. to 05C301.	-
89	Required attachments of the qualification statement request that audited balance sheets for each of the last 3 years for firm named in section 1. Request is made that these financials be made available to the owner upon request and following the bid opening with the apparent low bidder.	Ref. to C-410 Bid Form, page 4, Section 6.03.	-
90	Sheet 70M600 Gate Table. Confirm Operators are to be Manual Wheel.	Ref. to 400557 or 00GI013.	-
91	Sheet 80M600 Gate Schedule Table is incomplete	Ref. to 400557 or 00GI013. See Addendum No. 3.	Addendum 03
92	Is the permanent screenings/compacting dumpster to be provided by the contractor or owner?	Owner to provide.	-
93	083323-4, F. This part of the spec is used for a "Fire" Door. Are these Fire Doors?	No, the overhead doors are not "Fire Doors" and that paragraph is not required and can be eliminated. See response to Question No. 25.	-
94	Clarify roofing materials. Plan sheets appear to show metal roofing, no callout located on plans. Specs have a section for asphalt shingles (073113), but products call for fiberglass shingles.	The roofing shall be as specified within the 073113 specification.	-
95	40EMO-1, I assume this is simply the electric for 40BG101.	Ref. to 400557 or 00GI013.	-
96	80BG101, 102, 103 are shown with dual stems and they are 60x60 which would not need dual stems. Can they be single?	Yes.	-
97	I don’t find 90BG101 OR 102on the drawings. the schedule on the drawing doesn’t match either.	Ref. to 90M104. See Addendum No. 3.	Addendum 03
98	On the main schedule 70BG101 to 105 are called out as manual but on drawing 70m600 they are shown to be electric…	Ref. to 400557 or 00GI013. See Addendum No. 3.	Addendum 03
99	Some of the gates have a pipe on the back side. I can’t find detail SG-20-24, but we would assume that we are supplying wall mounted slide gates with plain end wall pipes to be provided by others. please confirm either way…	Confirmed. PE pipe, wall mounted slide gates.	-
100	Sheet 00D103 – Demo Notes – Second column, Header Handrailing and Header Handrailing and Grating are not referencing a structure or picture. Please clarifier what these headers are to represent.	Clarification: Remove all existing handrailing, grating, where appropriate, to accomodate new equipment, platforms, stairs, components, et al. as shown on structural plan sheets. Otherwise, existing hand railing may remain in place.	-
101	Sheet 05C507 Detail F Mow Strip at Fence – Does the continuous 2’ concrete mow strip (at the fence) get installed at both the existing and new fence or just the new fence.	New fence only.	-
102	Please provide piping as-builts so we are able to determine if by-pass pumping or conveying of liquid is required.	Provided.	-
103	Can the removed basin grit be deposited onsite? Or does it need to be hauled to a landfill?	Landfill per Section 010000.	-
104	Aerated Sludge Storage sheet 180M100 show 6” Telescoping and piping, Mechanical Detail sheet 05M507 and Valve Schedule (00GI018) show 8” TV-telescoping valve. Please clarify.	Ref. 05M507 and 00GI018. See Addendum No. 3.	Addendum 03
105	See sheets 80M101 and 05C111. The 24”-MLSS-PVC-8 line is shown with a 90° bend on 80M101 but with two 45° bends on 05C111. Which is correct?	See Addendum No. 3.	Addendum 03
106	Pipe specs 331113, 333400 and 400520 call for the pipe supports to be provided as carbon steel with two coats of TNEMEC N69 Epoxy. Would it be acceptable to provide the supports Hot Dipped Galvanized in lieu of the TNEMEC N69 coating?	No.	-
107	Can 316 stainless steel be provided in place of the fluoropolymer coating on Pipe Support anchors, U-Bolts, Flange accessory sets and general fasteners?	Yes, 316L Stainless steel is approvable in lieu of fluoropolymer coated in all locations identified.	-
108	The Grit piping shown on drawing sheet 20M101 is shown with only two concrete column type supports on line 4”-GRT-DIGL-1. According to the chart in spec 400520, page 17, there should be at least two additional supports on the 4”-GRT-DIGL-1 line and the 4”-GRT-DIGL-2 line will need at least two. Can the location and details of these supports be provided or is it up to the Contractor to provide something that works? Some supports may be located in the yard and a foundation would be required.	See Addendum No. 3.	Addendum 03

109	See page 20M303. The 6”-DRN-DIP-1 & 2 lines are shown without supports. I would think they would need to be supported. If supports are necessary, can location and details be provided or is it up to the Contractor to provide something that works?	See Addendum No. 3.	Addendum 03
110	See sheet 50M101 and 50M301. Please confirm that the 18” valves marked 18”-PV1-RS and 18”-PV2-RS (not in valve schedule) should actually be marked 18”-PV-INF-1 and 18”-PV-INF-2 which are listed in the valve schedule.	Confirmed. See Addendum No. 3.	Addendum 03
111	See sheets 50M101 and 50M301. The EMO on the 18” valve (believed to be 18”-PV-INF-2) is marked 40EMO-1 on both sheets. Please confirm that the correct mark number is 50EMO-1 as shown and described on the Valve Schedule sheet 00GI015.	Confirmed. See Addendum No. 3.	Addendum 03
112	See sheet 50M101. Two valves are marked 24”-PV-INF-2. Is this correct or should one valve have a different mark number?	See Addendum No. 3.	Addendum 03
113	The Valve Schedule, sheet 00GI017 lists 3”-FV-SCUM-1, 2, 3 & 4. I can only see where they are used on Clarifiers 1103 and 1104 assuming they’re attached to the floor drain piping that discharges into the scum pit (dwg 110M306). The drains for the new valve pits for Clarifiers 1101 and 1102 open to a ditch. Are Flap Valves 1 & 2 required?	See Addendum No. 3.	Addendum 03
114	At the existing UV Structure shown on Sheet 130M300, please clarify the extent of New Grating required. Is the New Grating only required in the area(s) directly impacted by the new equipment, or intended to be replacement for the structure.	Existing grating in acceptable condition may be reused. New grating is only required by areas where necessary to accommodate new equipment but must completely cover the openings per OSHA.	-
115	Would you happen to have a contact with Entergy power?	Landon Meeks, PE, Mobile: 501-844-1716	-
116	If you look at the notes under chemical feed pumps (see attached) it says Provide HDPE Wall Mounting Kit. Are the wall mounting kits to be provided by the pump supplier. There is nothing in the Specs that call out wall mounting kits.	Yes, HDPE wall mounting kit is required.	-
117	The P&IDs appear to show the pumps with no ancillary parts (like a calibration column for instance.) Can you confirm these are just loose pumps with no ancillary components?	Confirmed.	-
118	Specification 462116, Table 1.8.1 specifies a 4.03ft downstream water level at peak flow due to the downstream Vortex Grit Removal System. However, the hydraulic profile on plan sheet 00G010 lists a downstream water level of 1.71ft. Which downstream water level is correct?	Water surface provided in 00GI010 is shown as a single channel/ process at the flow rate identified.	-
119	Specification 462116, section 1.1-B specifies the materials of construction as 316L bar grid and 304L for the rest of the screen. Section 2.2-B specifies the entire screen be constructed in 316L. Specification 462173 specifies 304L for the entire washer compactor. Please consider accepting a full 304L stainless steel screen and washer compactor as an acceptable alternative.	Not at this time. Materials will be as specified.	-
120	Plan sheet 10M302 seems to show the concrete dumpster pad 6” lower than the operating deck or top of channel for the screen. Please confirm.	Confirmed, approximate dimension, finished concrete dumpster pad will field located.	-
121	Plan sheet 10M302 seems to show a 12” gap between the channel wall and concrete dumpster pad. Please confirm.	Confirmed, approximate dimension, finished concrete dumpster pad will field located.	-
122	Please confirm whether both screenings dumpsters in plan sheet 10M302 shall be placed onto the same concrete pad or not.	Confirmed. See Addendum No. 3.	Addendum 03
123	PLANT-PLC-3 Existing Operations Building - Confirm Contractor Scope and I/O Point List	As shown on 00E905, the only Control I/O to PLANT-PLC-3 are from the new simplex lift station control panel at the existing operations bldg. The location of the new simplex lift station control panel is shown on Sheet 00E100 Keyed Notes 3,4, & 6. PLANT-PLC-3 is to be installed in the existing operations bldg. per Keyed Note #1 on 00E103. Yes, PLANT-PLC-3/PLANT-OIT-3 is a new contractor (system integrator) furnished panel. The operator SCADA workstation shown on 00E905 is to be furnished and installed in the existing Operations bldg. and networked to PLANT-PLC-3. As shown on 00E103, contractor to locate and power Plant-PLC-3 in the existing operations building. Keyed Note 2 on sheet 00E950 is not related to Plant-PLC-3. Keyed Note 2 on sheet 00E950 is related to control wiring for 110CP-1 and 110CP-2 from MCC-M2 to Plant-PLC-1. MCC-M2 and Plant-PLC-1 are located in the existing Building 350.	-

124	90-RIO-1 vs. 90-PLC-1 - Separate Panels or One Combined?	Separate, 90-RIO-1 is located adjacent to oxidation ditch 901, 90-PLC-1 located in structure 350. Per 00GI031, 90-RIO-1 is not provided by the equipment supplier for 465115 - Aspirating Aerator Mixer. Ref. 00GI024 and 00GI025 for list of components and type of communications to 90-RIO-1. Enclosures as shown/ identified on 00E950.	-
125	120-RIO-1 Physical Location and Scope	120-RIO-1 is to be located in area 120, see Addendum No. 3. Enclosures as shown/ identified on 00E950. 120-RIO-1 does not have hardwired I/O other than the reassigned hardwired I/O described in Addendum No. 1.	-
126	Server Redundancy - Hardware-Only or Hot-Standby SCADA	See Addendum No. 3.	Addendum 03
127	160-RIO-1/ 250-RIO-1 - Composite or Separate Physical Cabinets.	Separate, 160-RIO-1 is located in structure 160. Ref. 00GI027 and 00GI028 for list of components and type of communications to 160-RIO-1. Separate, 250-RIO-1 is located in structure 250. Ref. 00GI029 and 00GI030 for list of components and type of communications to 160-RIO-1. Both of these RIO's are connected via fiber optic cable, see 00E950. Enclosures as shown/ identified on 00E950. See Addendum No. 3.	Addendum 03
128	Float Switches in Equipment-Supplier Areas (10, 90, 195) - Package Scope	See 00GI022, 10FS-1 is not provided by the equipment supplier for 462116 - Flexible Rake Bar Screen, see Addendum No. 3. Ref. 00GI024, 90FS-1 thru 90FS-6 are not provided by equipment supplier 465115 - Aspirating Aerator Mixer. Ref. 00GI018, 00GI019 and 00GI030 are not provided by equipment supplier 463333 - Polymer Blending and Feed Equipment.	-
129	Fiber Optic Cable Type - Multi-Mode vs. Single-Mode	Plant fiber backbone is to be single-mode. Yes, the operator station segment should be single mode.	-
130	Windows Service 2008 R2/ SQL Server 2016 - Substitute Current Version	Current version acceptable.	Addendum 03
131	Dell Precision 7920 Workstation - Substitute Current Version	Current version acceptable.	Addendum 03
132	407223 - FMU90 (Ultrasonic Transmitter) Reference in Radar Spec.	Confirmed, see Addendum No. 3.	Addendum 03
133	Stilling Well Requirement for Thru-Air Radar	As shown in 140M300 and 407223, stilling wells are only required where identified. Flood protection is not required.	-
134	407513 - Optical Type Requirement for ORP Analyzers	Confirmed, see Addendum No. 3.	Addendum 03
135	195MFM101/ 195SC-1 (Biosolids Mag Flow Meter - Contractor or Equipment Supplier Scope?	195MFM101/ 195SC-1 is not provided by the equipment supplier for 467633 - Dewatering Centrifuges	-
136	360PIT-1 - Required Calibrated Span Not Listed on Online Process Measurement Schedule	See 00GI030, Row 360-SC-1 (signal convertor for 360PIT-1), notes for span.	-
137	120-RIO-2 - New Contractor Panel Introduced by Addendum No. 1; Scope, Location and I/O List Undefined	See Addendum No. 3.	Addendum 03

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KEY	
NO.	STRUCTURE
10	SCREENING
20	GRIT REMOVAL
30	WET-WEATHER STORAGE BASIN
40	DRY-WEATHER EQUALIZATON BASIN
50	RATE OF FLOW CONTROLLER VAULT
60	DIVERSION STRUCTURE
70	ANAEROBIC SELECTORS
80	OXIDATION DITCH SPLITTER BOX
90	OXIDATION DITCHES
100	SECONDARY CLARIFIERS SPLITTER BOXES
110	SECONDARY CLARIFIERS
120	TERTIARY FILITERS
130	UV DISINFECTION
140	EFFLUENT FLOW MEASUREMENT
150	CASCADE AERATION
160	RAS/ WAS PUMP STATION
170	AEROBIC DIGESTERS
180	AERATED SLUDGE STORAGE
190	EXISTING BIOSOLIDS DEWATERING
195	PROPOSED BIOSOLIDS DEWATERING
200	BIOSOLIDS STORAGE
210	MUDWELL
220	BACKWASH LIFT STATION
230	WASH WATER LIFT STATION
240	TWAS PUMP STATION 1
250	TWAS PUMP STATION 2
260	BIOSOLIDS STORAGE LIFT STATION
270	ADMIN. BUILD. GRINDER STATION
280	CHEMICAL STORAGE 1
290	CHEMICAL STORAGE 2
300	ADMINISTRATION/ ELECTRICAL BUILDING
310	MAINTENANCE BUILDING
320	STORAGE AREA/ BUILDINGS
330	WELL HOUSE
340	STANDBY GENERATOR
345	RELOCATED GENERATOR
350	ELECTRICAL BUILDING 1
360	ELECTRICAL/ MECHANICAL BUILDING 1

STATUS	
MARK	PHASE
E	EXISTING
P	PROPOSED
F	FUTURE

CONTRACTOR, OFFICE STORAGE, AND LAYDOWN AREA

POINT TABLE				
POINT NUMBER	DESCRIPTION	ELEVATION	NORTHING	EASTING
1	MON	500.883	2023909.4840	1040924.7740
2	MON	501.173	2023964.0570	1040924.6290
137	60PN	490.572	2024169.9890	1041138.6730
103	60PN	499.927	2024195.4180	1040952.7400
152	60PN	478.605	2024216.4440	1041241.4130
164	60PN	463.104	2024285.0470	1041252.7500

REV. NO.	DATE	DRWN	CHKD	REMARKS
3	5/22/26	MAB	BNW	ADDED CONSTRUCTION LAYDOWN AREAS

CRIST ENGINEERS, INC. CERTIFICATE OF AUTHORIZATION CONSULTING ENGINEERS No. 91 ARKANSAS ENGINEER

STATE OF ARKANSAS LICENSED PROFESSIONAL ENGINEER No.18592 BRIAN N. WINTLE 5/11/2026

0 1" 1" = 1"
THIS LINE MEASURES 1" WHEN PLOTTED FULL SIZE

DESIGNED: MAB
DRAFTED: MAB
CHECKED: BNW
DATE: MAY 2026

CRIST ENGINEERS, INC.
CONSULTING ENGINEERS
1 EXECUTIVE CENTER COURT
LITTLE ROCK, ARKANSAS 72211
TELEPHONE: (501) 664-1552
FAX: (501) 664-8579
WWW.CRISTENGINEERS.COM

HOT SPRINGS VILLAGE, ARKANSAS

HOT SPRINGS VILLAGE POA
CEDAR CREEK WWTP IMPROVEMENTS

BID SET

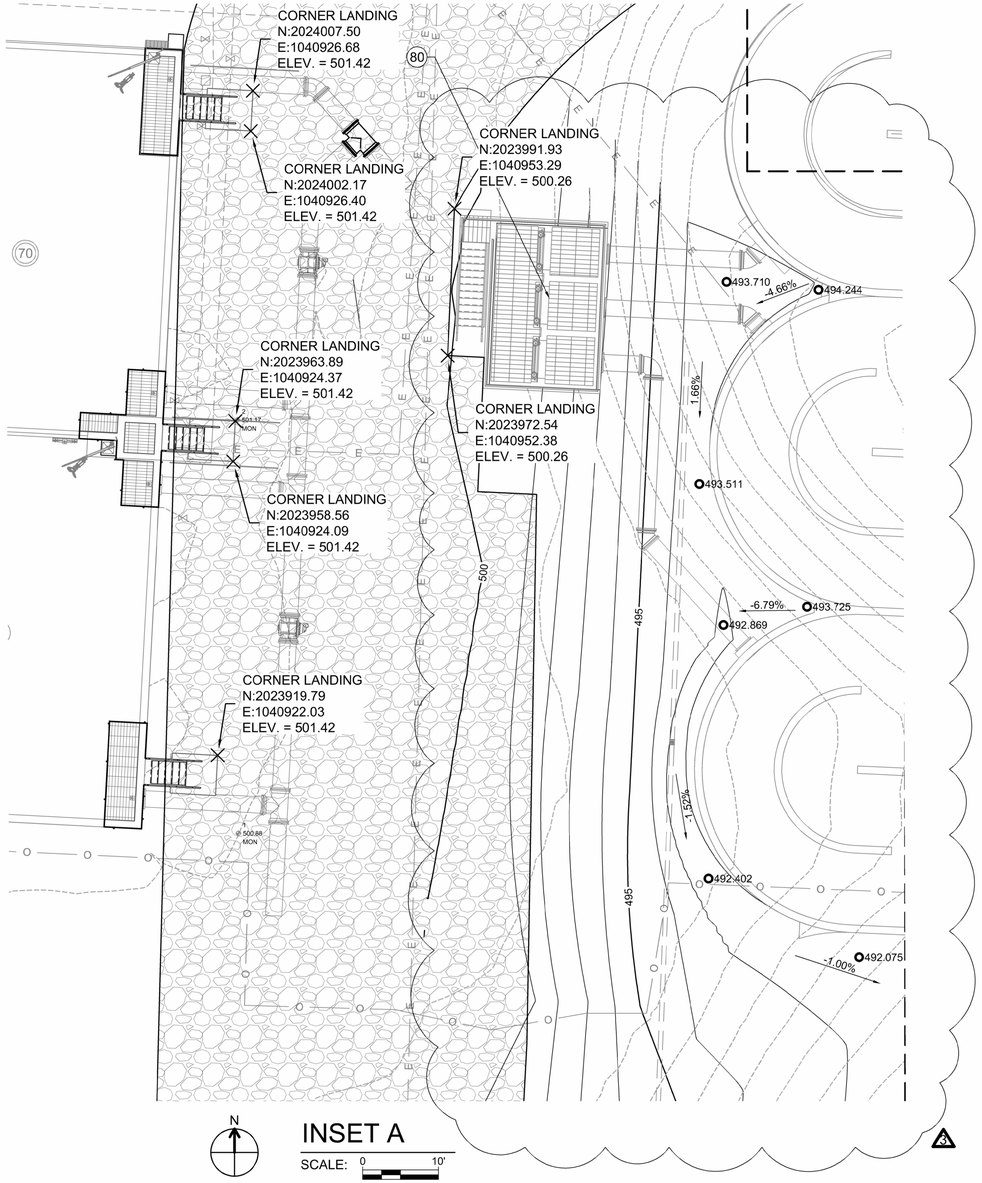
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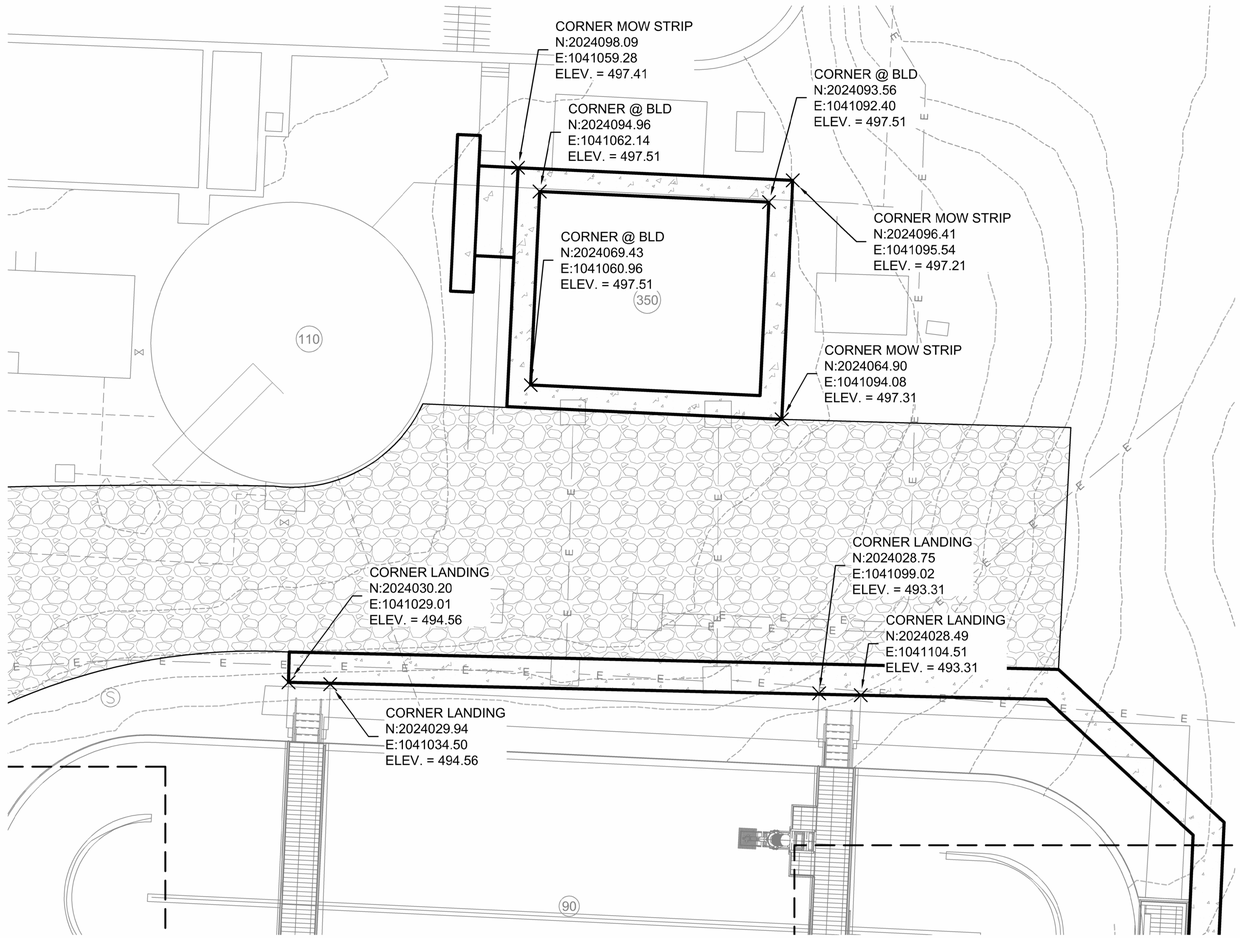
JOB NO. 24022

SHEET NO. 00G400

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ALL CONCRETE CONSTRUCTION JOINTS PER SPECIFICATIONS AND AS NOTED ON THIS DRAWING

REV. NO.	DATE	DRWN	CHKD	REMARKS
3	5/22/26	MAB	BNW	REVISED GRADING ALONG WEST END OF DITCHES FOR CLARIFICATION

CRIST ENGINEERS, INC. CONSULTING ENGINEERS No. 91 — CERTIFICATE OF AUTHORIZATION — ARKANSAS ENGINEER

STATE OF ARKANSAS — LICENSED PROFESSIONAL ENGINEER — No. 18592 — BRIAN N. WINTLE — 5/1/2026

0 1"
1" = 1"
THIS LINE MEASURES 1" WHEN PLOTTED FULL SIZE

DESIGNED: MAB
DRAFTED: MAB
CHECKED: BNW
DATE: MAY 2026

CRIST ENGINEERS, INC.
CONSULTING ENGINEERS
1 EXECUTIVE CENTER COURT
LITTLE ROCK, ARKANSAS 72211
TELEPHONE: (501) 664-1552
FAX: (501) 664-8579
WWW.CRISTENGINEERS.COM

HOT SPRINGS VILLAGE, ARKANSAS

HOT SPRINGS VILLAGE POA
CEDAR CREEK WWTP IMPROVEMENTS

BID SET

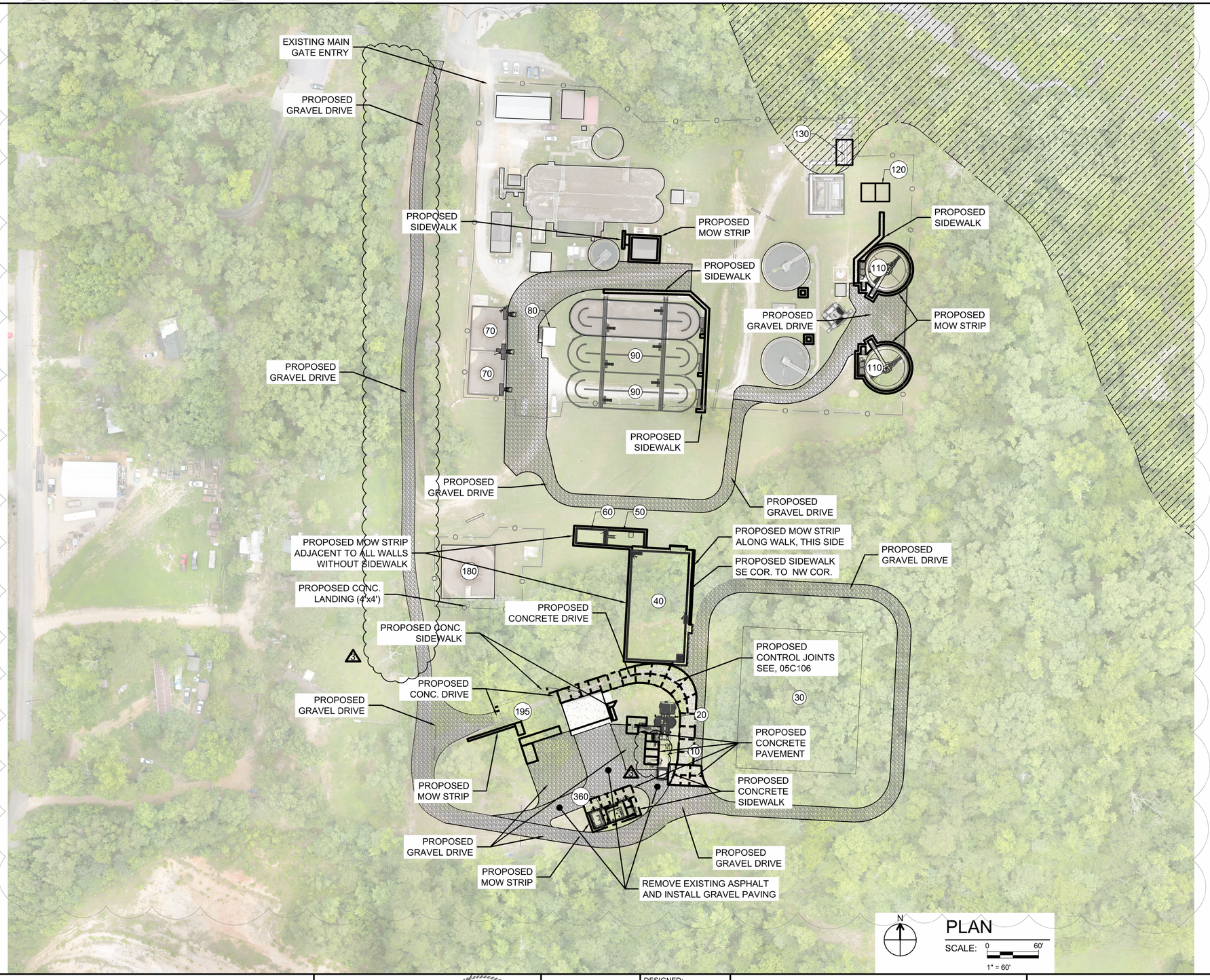
PROPOSED GRADING PLAN - INSET A & B

JOB NO. 24022

SHEET NO. 05C103

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REV. NO.	DATE	DRWN	CHKD	REMARKS
3	5/22/26	MAB	BNW	GRAVEL DRIVE SHOWN ALONG WEST, CONCRETE PAD UNDER DUMPSTER
2	5/13/26	MAB	BNW	CLEAN UP SHEET TO ONLY INCLUDE SURFACE REQUIREMENTS

CERTIFICATE OF AUTHORIZATION
CRIST ENGINEERS, INC. CONSULTING ENGINEERS No. 91
ARKANSAS ENGINEER

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18592
BRIAN N. WINTLE
5/11/2026

0 1"
1" = 1"
THIS LINE MEASURES 1" WHEN PLOTTED FULL SIZE

DESIGNED: MAB
DRAFTED: MAB
CHECKED: BNW
DATE: MAY 2026

CRIST ENGINEERS, INC.
CONSULTING ENGINEERS
1 EXECUTIVE CENTER COURT
LITTLE ROCK, ARKANSAS 72211
TELEPHONE: (501) 664-1552
FAX: (501) 664-8579
WWW.CRISTENGINEERS.COM

HOT SPRINGS VILLAGE, ARKANSAS

HOT SPRINGS VILLAGE POA
CEDAR CREEK WWTP IMPROVEMENTS

BID SET

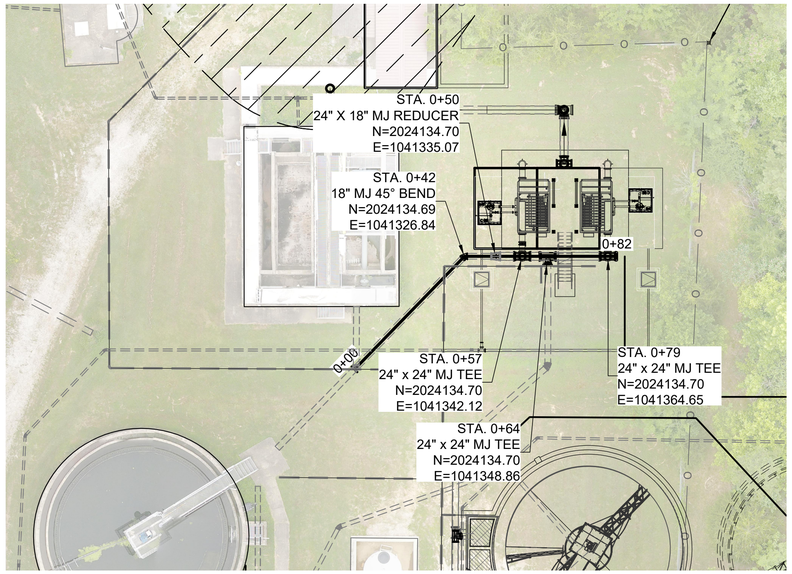
PROPOSED SURFACE PLAN

JOB NO. 24022

SHEET NO. 05C109

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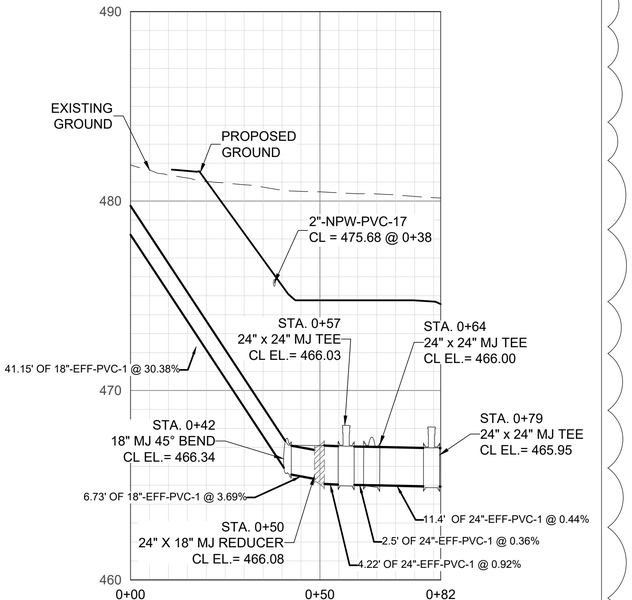
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N

PLAN

SCALE: 0 20' — 1" = 20'



PROFILE

SCALE: 0 20' — 1" = 20'

REV. NO.	DATE	DRWN	CHKD	REMARKS
3	5/22/26	MAB	BNW	CORRECTED LABLE TO READ 24" X 24" MJ TEE & REMOVED TEE @ 0+65

CERTIFICATE OF AUTHORIZATION — CRIST ENGINEERS, INC. CONSULTING ENGINEERS No. 91 — ARKANSAS ENGINEER

STATE OF ARKANSAS — LICENSED PROFESSIONAL ENGINEER — No.18592 — BRIAN N. WINTLE — 5/1/2026

0 1" — 1" = 1"

THIS LINE MEASURES 1" WHEN PLOTTED FULL SIZE

DESIGNED: MAB
DRAFTED: MAB
CHECKED: BNW
DATE: MAY 2026

CRIST ENGINEERS, INC.
CONSULTING ENGINEERS
1 EXECUTIVE CENTER COURT
LITTLE ROCK, ARKANSAS 72211
TELEPHONE: (501) 664-1552
FAX: (501) 664-8579
WWW.CRISTENGINEERS.COM

HOT SPRINGS VILLAGE, ARKANSAS

HOT SPRINGS VILLAGE POA
CEDAR CREEK WWTP IMPROVEMENTS

BID SET

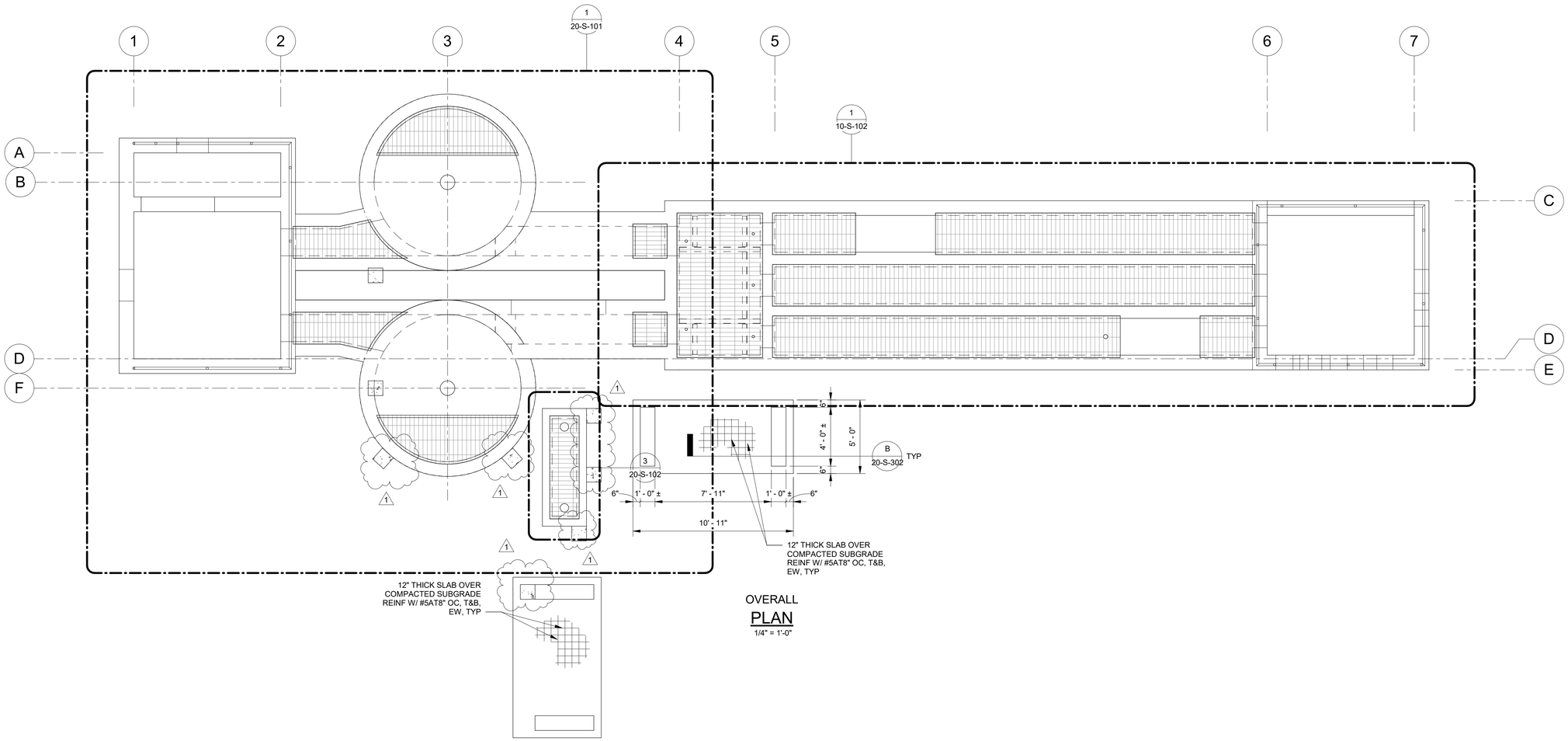
18 INCH EFF PVC 1 - PLAN & PROFILE STA. 0+00 STA. 0+82

JOB NO. 24022

SHEET NO. 05C333

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5/21/2026 11:40:50 AM



OVERALL
PLAN
1/4" = 1'-0"

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	5/21/26	JVS	JVS	ADDENDUM NO. 3

WEKIVA ENGINEERING, LLC
No. 3644
CERTIFICATE OF AUTHORIZATION
ARKANSAS

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 19092
JOHN V. SORGEN
05/01/26

0 1"
1" = 1"
THIS LINE MEASURES 1" WHEN PLOTTED FULL SIZE

DESIGNED: JVS
DRAFTED: JAM
CHECKED: DSM
DATE: MAY 2026

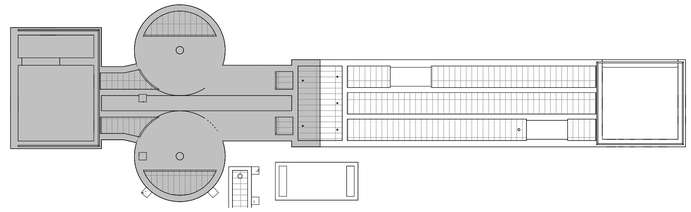
CRIST ENGINEERS, INC.
CONSULTING ENGINEERS
1 EXECUTIVE CENTER COURT
LITTLE ROCK, ARKANSAS 72211
TELEPHONE: (501) 664-1552
FAX: (501) 664-8579
WWW.CRISTENGINEERS.COM

HOT SPRINGS VILLAGE, ARKANSAS
HOT SPRINGS VILLAGE POA
CEDAR CREEK WWTP IMPROVEMENTS
BID SET
HEADWORKS
OVERALL PLAN

JOB NO: 24022
SHEET NO: 10-S-101

Autodesk Docs://24022 - HSVPOA - Cedar Creek WWTP Imponvements/10-S-Headworks_R24.rvt

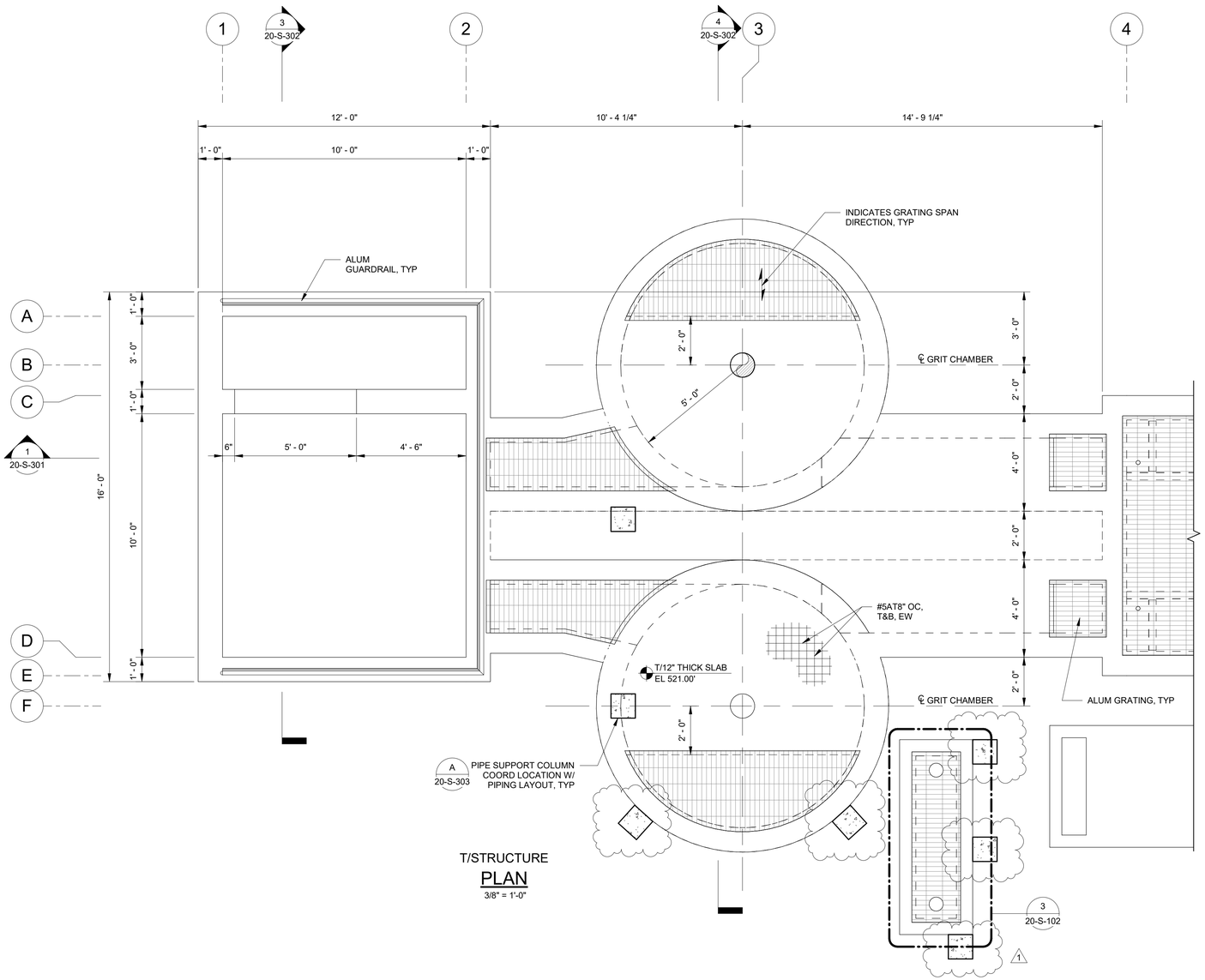
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KEY PLAN

PLAN

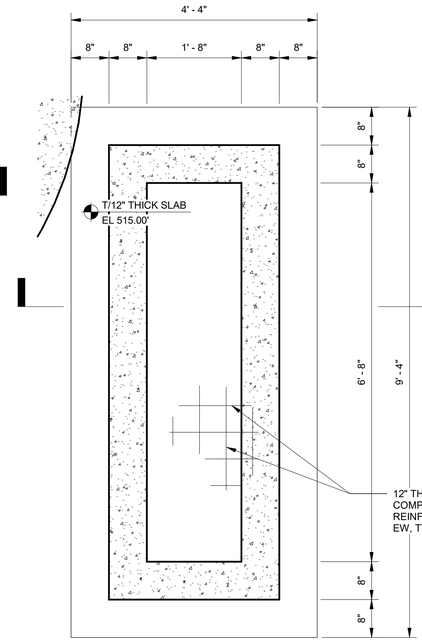
NTS



T/STRUCTURE

PLAN

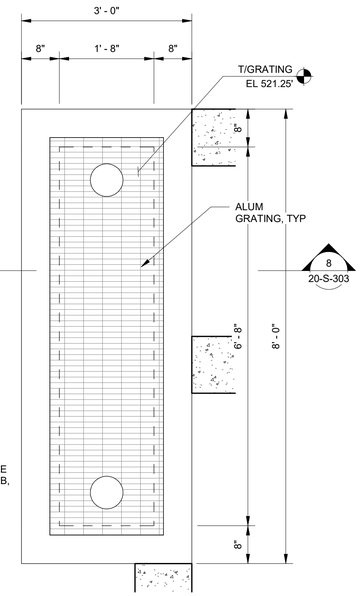
3/8" = 1'-0"



FOUNDATION

PLAN

3/4" = 1'-0"



T/STRUCTURE

PLAN

3/4" = 1'-0"

REV. NO.	DATE	DRWN	CHKD	REMARKS
1	5/21/26	JVS	JVS	ADDENDUM NO. 3

WEKIVA ENGINEERING, LLC
No. 3644
CERTIFICATE OF AUTHORIZATION
ARKANSAS

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 19092
JOHN V. SOBOSLAY
05/01/26

0 1"
1" = 1"
THIS LINE MEASURES 1" WHEN PLOTTED FULL SIZE

DESIGNED: JVS
DRAFTED: JAM
CHECKED: DSM
DATE: MAY 2026

CRIST ENGINEERS, INC.
CONSULTING ENGINEERS
1 EXECUTIVE CENTER COURT
LITTLE ROCK, ARKANSAS 72211
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HOT SPRINGS VILLAGE, ARKANSAS

HOT SPRINGS VILLAGE POA
CEDAR CREEK WWTP IMPROVEMENTS

BID SET

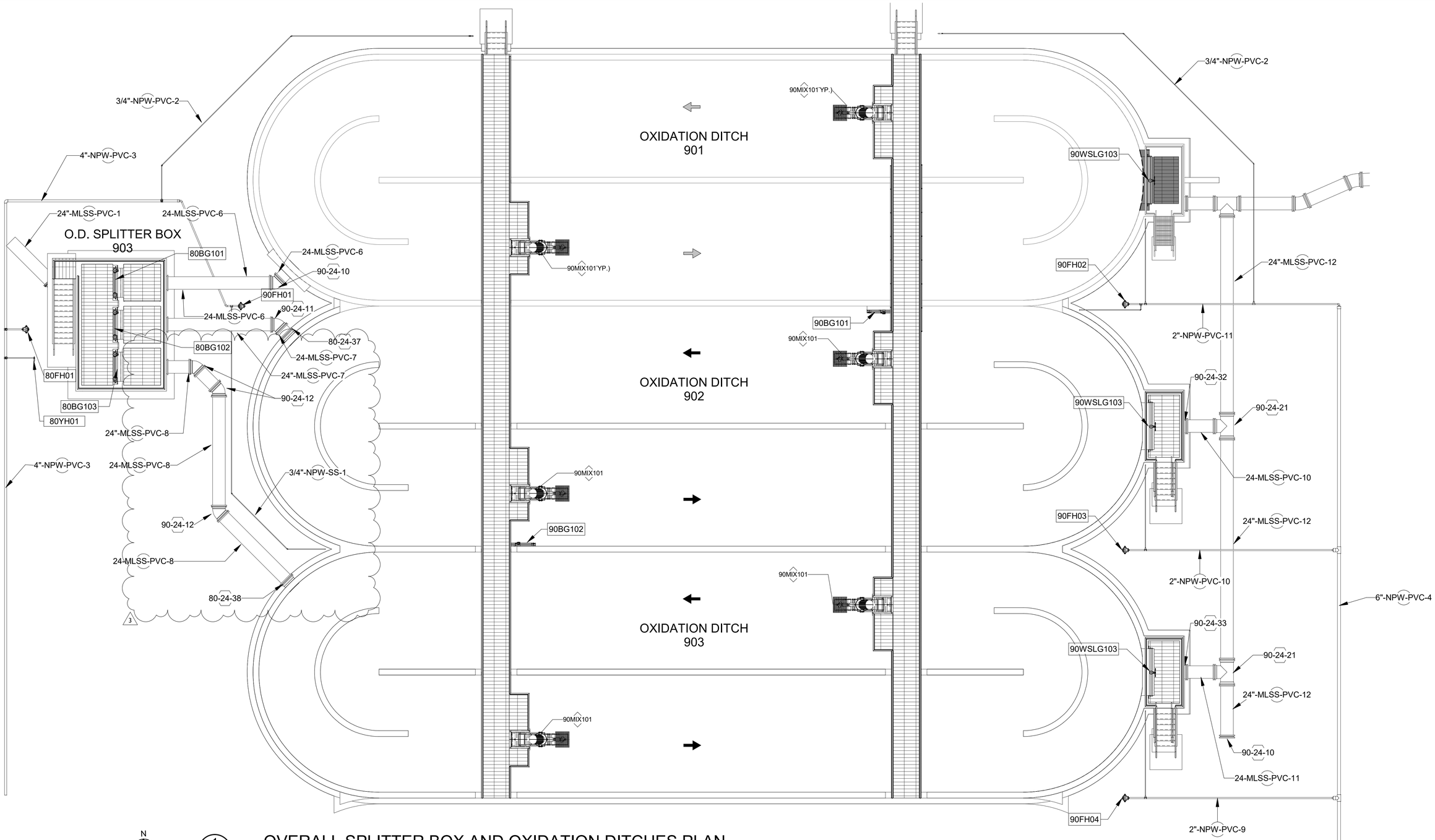
HEADWORKS

GRIT REMOVAL AREA TOP OF STRUCTURE PLAN

JOB NO: 24022

SHEET NO: 20-S-102

Autodesk Docs://24022 - HSVPOA - Cedar Creek WWTP Improvements/10-S-Headworks_R24.rvt



1 80M101 OVERALL SPLITTER BOX AND OXIDATION DITCHES PLAN

SCALE: 1/8" = 1'-0"

REV. NO.	DATE	DRWN	CHKD	REMARKS
3	Date 3	MAB	BNW	REVISED 24"-MLSS-PVC-8 TO MATCH CIVIL PLAN

REVIEW SET — THIS DOCUMENT IS PRELIMINARY AND IS NOT A FINAL, SIGNED AND SEALED DOCUMENT — NOT FOR CONSTRUCTION

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No.18592
BRIAN N. WINTLE
5/1/2026

0 1" = 1"

THIS LINE MEASURES 1" WHEN PLOTTED FULL SIZE

DESIGNED: KEG
DRAFTED: KEG
CHECKED: BNW
DATE: MAY 2026

CRIST ENGINEERS, INC.
CONSULTING ENGINEERS
1 EXECUTIVE CENTER COURT
LITTLE ROCK, ARKANSAS 72211
TELEPHONE: (501) 664-1552
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HOT SPRINGS VILLAGE, ARKANSAS

HOT SPRINGS VILLAGE POA
CEDAR CREEK WWTP IMPROVEMENTS

BID SET

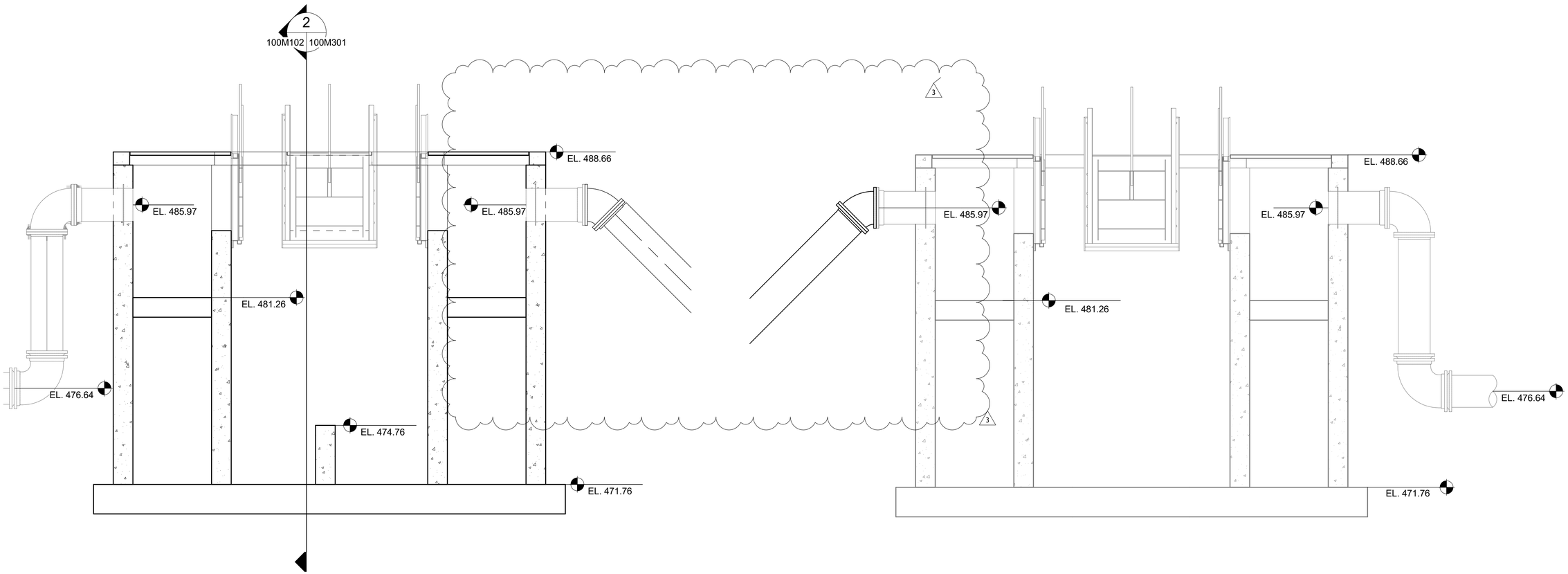
OXIDATION DITCH SPLITTER BOX & OXIDATION DITCHES OVERALL PLAN

JOB NO: 24022

SHEET NO: 80M101

Autodesk Docs://24022 - HSVPOA - Cedar Creek WWTP Improvements/90-M Oxidation Ditch.rvt
5/21/2026 10:29:38 AM

5/21/2026 2:31:14 PM



1 100M102 | 100M301 EX. SPLITTER BOX - SECTION 1
SCALE: 3/8" = 1'-0"

2 100M102 | 100M301 EX. SPLITTER BOX - SECTION 2
SCALE: 3/8" = 1'-0"

REV. NO.	DATE	DRWN	CHKD	REMARKS
3	5/22/26	MAB	BNW	REVISED TO MATCH CIVIL PIPING 05C311

REVIEW SET — THIS DOCUMENT IS PRELIMINARY AND IS NOT A FINAL, SIGNED AND SEALED DOCUMENT — NOT FOR CONSTRUCTION

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18592
BRIAN N. WINTLE
5/1/2026

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DESIGNED: JLS
DRAFTED: KEG
CHECKED: BNW
DATE: MAY 2026

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HOT SPRINGS VILLAGE, ARKANSAS
HOT SPRINGS VILLAGE POA
CEDAR CREEK WWTP IMPROVEMENTS
BID SET

SECONDARY CLARIFIERS SPLITTER BOX SECTIONS

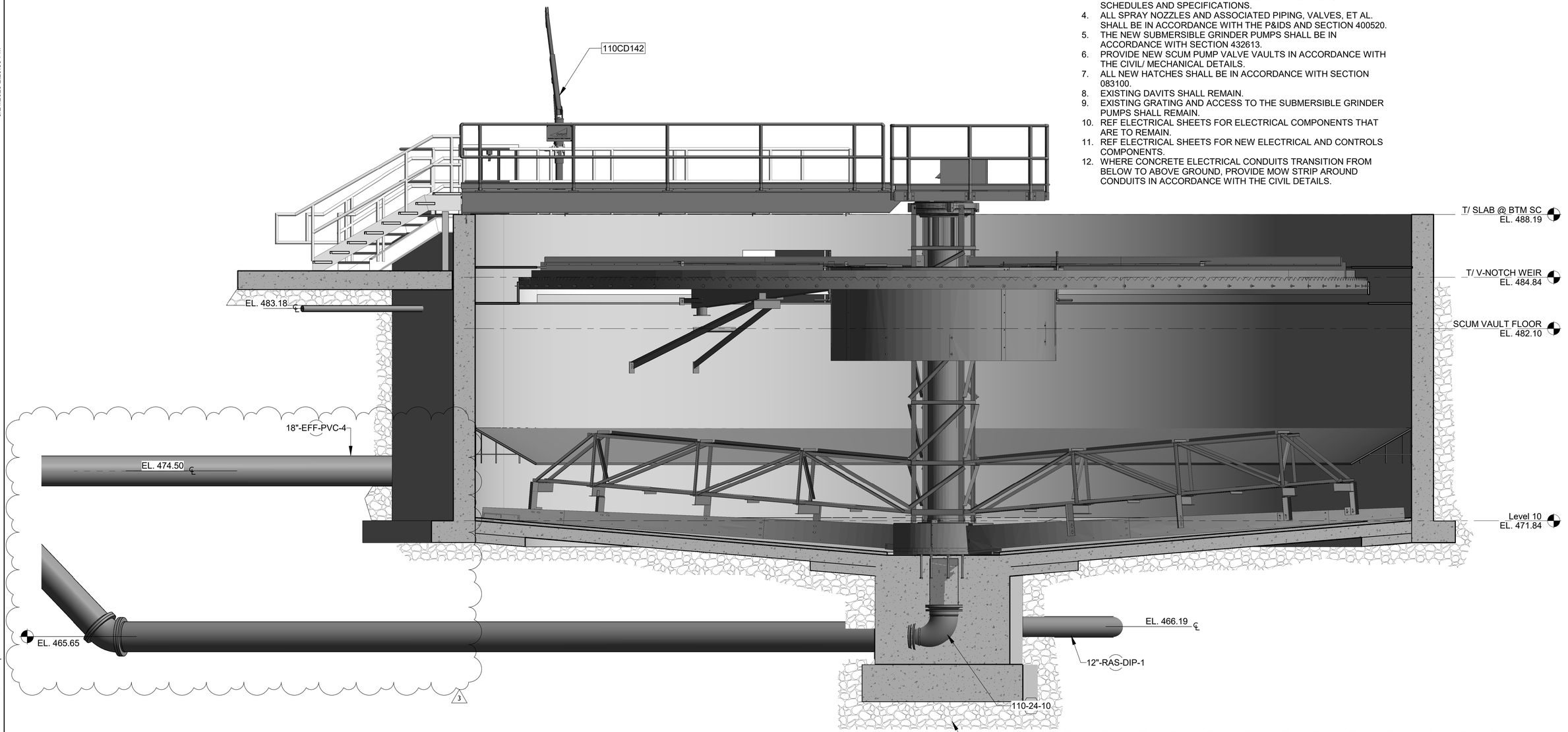
JOB NO: 24022
SHEET NO: 100M301

Autodesk Docs://24022 - HSV/POA - Cedar Creek WWTP Imporvements/100-M-SC Splitter Box & 110-M-NEW CLARIFIERS.rvt

5/21/2026 2:29:50 PM

NOTES:

1. THE CONTRACTOR SHALL REMOVE ALL EXISTING SCUM WET PIT COMPONENTS IN ACCORDANCE WITH THE DEMOLITION PLAN.
2. ALL PROPOSED NEW PIPE PENETRATIONS INTO EXISTING STRUCTURES SHALL BE IN ACCORDANCE STRUCTURAL/ CIVIL DETAILS.
3. INSTALL ALL NEW COMPONENTS, EQUIPMENT AND INSTRUMENTATION IN ACCORDANCE WITH THE P&IDS, SCHEDULES AND SPECIFICATIONS.
4. ALL SPRAY NOZZLES AND ASSOCIATED PIPING, VALVES, ET AL. SHALL BE IN ACCORDANCE WITH THE P&IDS AND SECTION 400520.
5. THE NEW SUBMERSIBLE GRINDER PUMPS SHALL BE IN ACCORDANCE WITH SECTION 432613.
6. PROVIDE NEW SCUM PUMP VALVE VAULTS IN ACCORDANCE WITH THE CIVIL/ MECHANICAL DETAILS.
7. ALL NEW HATCHES SHALL BE IN ACCORDANCE WITH SECTION 083100.
8. EXISTING DAVITS SHALL REMAIN.
9. EXISTING GRATING AND ACCESS TO THE SUBMERSIBLE GRINDER PUMPS SHALL REMAIN.
10. REF ELECTRICAL SHEETS FOR ELECTRICAL COMPONENTS THAT ARE TO REMAIN.
11. REF ELECTRICAL SHEETS FOR NEW ELECTRICAL AND CONTROLS COMPONENTS.
12. WHERE CONCRETE ELECTRICAL CONDUITS TRANSITION FROM BELOW TO ABOVE GROUND, PROVIDE MOW STRIP AROUND CONDUITS IN ACCORDANCE WITH THE CIVIL DETAILS.



1 / 110M102 | 110M301

SC SECTION 1003

SCALE: 3/8" = 1'-0"

REV. NO.	DATE	DRWN	CHKD	REMARKS
3	5/22/26	MAB	BNW	REVISED TO MATCH CIVIL PIPING 05C311
2	5/15/26	MAB	BNW	REVISED TO SHOW GRAVEL SUBGRADE UNDER ALL STRUCTURES

REVIEW SET — THIS DOCUMENT IS PRELIMINARY AND IS NOT A FINAL, SIGNED AND SEALED DOCUMENT — NOT FOR CONSTRUCTION

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BRIAN N. WINTLE
5/21/2026

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HOT SPRINGS VILLAGE, ARKANSAS

HOT SPRINGS VILLAGE POA
CEDAR CREEK WWTP IMPROVEMENTS

BID SET

TYPICAL SECONDARY CLARIFIER 1103 SECTION - (ENLARGED)

JOB NO: 24022

SHEET NO: 110M301

Autodesk Docs://24022 - HSVPOA - Cedar Creek WWTP Improvements/100-M-SC Splitter Box & 110-M-NEW CLARIFIERS.rvt