



LEON CREEK WRC IMPROVEMENTS AND UPGRADES PHASE 2

Solicitation Number: CO-00386

Job No.: 19-6502

ADDENDUM 3

March 4, 2021

To Respondent of Record:

This addendum, applicable to work referenced above, is an amendment to the price proposal, plans and specifications and as such will be a part of and included in the Contract Documents. Acknowledge receipt of this addendum by entering the Addendum number and issue date on the space provided in submitted copies of the price proposal.

RESPONSES TO QUESTIONS

Question 1:

Specification Section 40 23 46 mentions compliance with AWWA C501. C501 is outdated and no longer used. For fabricated stainless gates they need to reference AWWA C561, latest edition. For fabricated aluminum gates they need to reference AWWA C562, latest edition.

Response: AWWA C501 has been updated to AWWA C561, latest edition, and AWWA C562, latest edition, for fabricated stainless steel and fabricated aluminum gates, respectively. Please see No. 1 in the Changes to the Specifications portion of this Addendum.

Question 2:

Specification Section 40 23 46 requires invert seals attached to bottom of the slide. This is ill advised. Seals mounted on the bottom of the slide can be damaged, dislodged, or deformed by debris or turbulent flow. Invert seals for flush bottom gates should be out of the clear flow path (flush with the invert of the structure or invert of opening) and should be attached the invert frame member with a retainer bar.

Response: Invert seals shall be in the invert frame and flush with the invert of the structure or invert of opening. Please see No. 2 in the Changes to the Specifications portion of this Addendum.

Question 3:

Specification Section 40 23 46, side and top seal alternate A has a jackbolt design with adjustable seals. This does not comply with current industry standards which require self-adjusting side and top seals. Side and top seal alternate B has neoprene crown seals. This is proprietary to one manufacture whom is not named. Alternate C is pretty much what Hydro Gate, Waterman, and Whipps all provide.

Response: The alternates address side and top seals.

Question 4:

Specification Section 40 23 46 paragraph 2.5.G calls for stems to be “machine cut of rolled threads. This is contradictory. Either cut or rolled. Hydro Gate is quoting our standard rolled threads for this project. Rolled threads are superior to cut threads as noted on page 1953 of Machinery’s Handbook, 28th Edition, which states “Because of the cold-working action of the dies, the rolled thread is 10 to 20 percent stronger than a cut or ground thread, and the increase may be much higher for fatigue resistance...and the surface of a rolled thread is harder than that of a cut thread, thus increasing wear resistance.”

Response: This paragraph has been revised to read “machine cut or rolled threads”. Please see No. 3 in the Changes to the Specifications portion of this Addendum.

AD-1

Question 5:

Specification Section 40 23 46 paragraph 2.6A calls out special tools. All reputable manufacturers make their gates so that standard mechanics tools can be used to install, adjust, and maintain the gates. Special tools should be specifically called out as not acceptable. If they are lost or damaged this can put operators in a bind and unable to fix or maintain their gates in an emergency.

Response: Special tools are only to be provided if recommended by the manufacturer.

Question 6:

Please confirm that the 540-calendar day completion duration is for Substantial Completion of the Project.

Response: 540 consecutive calendar days is for final completion in full as stated in the Price Proposal.

Question 7:

Please advise on calendar days to obtain Final Completion from Substantial Completion.

Response: 540 consecutive calendar days is for final completion in full as stated in the Price Proposal.

Question 8:

Can Endress and Hauser be approved for the RTD transmitters on this project?

Response: No change will be made to the manufacturer list for the RTD transmitter.

Question 9:

Hayward Flow Control is in spec for PVC ball valves on Leon Creek. We make PVC/CPVC ball checks and Butterfly valves as well and wanted to see if you would allow them onto project via addendum or as an or equal after it bids. I believe we meet or exceed spec standards on V631, V632, V512. Can you please review and let me know if these would be acceptable for your project?

Response: No changes will be made to the manufacturer lists for these valves.

Question 10:

Please confirm if a maintenance bond is required and if so, for how long it will be required.

Response: No, SAWS does not require a Maintenance Bond for this project but does require both a Performance Bond and Payment Bond. In addition, per Article IX. Project Completion and Acceptance, Section 9.3 of the General Conditions, the contractor must make all needed repairs arising from defective workmanship or materials, or both for 24 months from and after the date of the Conditional Letter of Acceptance.

Question 11:

Multiple structures require the Contractor the drain and clean sludge. In order for all contractors to estimate the same amount, could you please provide thickness of sludge for the structures being demoed that will need to be removed?

Response: The sludge/water depths in the structures being demoed have been added to the plans as notes. Please see Nos. 7, 8, 9, 11, and 13 in the Changes to the Plans portion of this Addendum.

Question 12:

Please confirm that the work required at the Northern Aeration Basins Effluent Channel shall be per Bid Item 14. If this is not correct, please advise on which Bid Item this work shall be included in.

Response: The work required at the Northern Aeration Basins Effluent Channel shall be included in Bid Item 7, Demolition/Structural/Mechanical for Corrosion and Safety Repairs at the Leon Creek WRC, per Section 01 22 13.

Question 13:

Section 05 50 00, 1.3.D. "Mill Certificates" - Please confirm requirement for mill certificates as they relate to the AquaDiamond equipment.

Response: Mill certificates will be required for the AquaDiamond equipment.

Question 14:

Section 05 50 00, 2.20.E. “When polishing is completed, passivate and rinse surfaces. Remove embedded foreign matter and leave surfaces chemically clean.” Please confirm if passivation is required for applicable AquaDiamond equipment.

Response: Requirements of Section 05 50 00, paragraph 2.20.E. will not apply to the AquaDiamond equipment. Please see No. 4 in the Changes to the Specifications portion of this Addendum.

Question 15:

Section 26 05 50, 2.4.H. “All motors controlled with VFDs or soft starters shall have a minimum 1600 Volt insulation systems.” Please confirm if Class H insulation is required.

Response: Minimum insulation class required per Specification 26 05 50 is Class F. Class H shall be provided if required or recommended by the manufacturer.

Question 16:

Section 40 63 00, 2.2.D.1. “12 inches minimum”. Existing AquaDiamond filters include 10-inch OITs. Please confirm requirement for 12-inch OITs.

Response: 10-inch OITs are acceptable to match the existing OIT screens. Please see No. 5 in the Changes to the Specifications portion of this Addendum.

Question 17:

Would you be able to provide a list of Demolition Subs that scheduled a site visit?

Response: J.R. Ramos and Northstar Demolition scheduled site visits. Please see the attached list of Local SMWVB – Demolition Contractors.

Question 18:

On drawing 05-C308 Page 54 shows detail B1 with thick paving of 6”. However, on Drawing 05-C507 Page 67 detail 2B shows that paving thickness is 7”. Please advise which one is the correct thickness.

Response: Detail B1 on Drawing 05-C308 pertains to the pavement repairs associated with the new trench drain at the Headworks. Record drawing information indicates existing concrete pavement to be 6-inches. If the thickness is greater (or less) than 6-inches, Contractor is required to match existing conditions.

Detail 2 on Drawing 05-C507 is for the typical pavement section for the access road replacement.

Question 19:

Can you indicate where are the structural drawings for the Electrical Building (proposed) and if it’s going to have 5 bollards shown in the drawing on 05-C305 Page 51.

Response: The proposed electrical building shown on Detail 3 is not part of this contract and being installed as part of a separate project (by others). No bollards are required in this area.

Question 20:

On drawing 05-C301 Detail I-1 shows that the detail should be on Dwg 05-C306 needs to be corrected because it’s actually in Dwg 05-C309.

Response: Correct, enlarged intersection plan I-1 is located on Sheet 05-C309. Please see No. 1 in the Changes to the Plans portion of this Addendum.

Question 21:

Concrete pavement joint requirements contraction joints on dwg 05-C507 Page 67 shows for thickness of 5 to 5.5 inches however it doesn’t show anything for 7”. Please advise.

Response: Correct, pavement joints notes should reflect 7-inch to match concrete pavement thickness. Please see No. 2 in the Changes to the Plans portion of this Addendum.

Question 22:

The generator and transformer Pads details 4 and 5 respectively page 137 (containment trench) isn't shown in the generator plan page 179 or the plan view of J on page 52. Can you please indicate where we suppose to use them.

Response: The generator and transformer pad details 4 and 5 on Drawing 26-S401(sheet 137) are to be used for the generator and the transformer, respectively. Please see No. 6 in the Changes to the Plans portion of this Addendum.

Question 23:

All non-potable water valve installed, please confirm that the plant is able to isolate the lines for installation and no temporary lines will be required.

Response: Any disruption to the operation of the NPW System must be coordinated with SAWS Operations. Outage to the NPW System shall not extend for more than 2-hours. Multiple outages are anticipated to complete installation of new isolation valves.

Question 24:

Please consider adding Henry Pratt as an approved manufacturer for the Check valves in section 402343 for type V612 and V625 check valves.

Response: No change will be made to the manufacturer lists for check valves.

Question 25:

Please also consider Henry Pratt and Vent-O-Mat as and approved manufacturers for the Air valves in section 402343 for Type V750, V752, and V755.

Response: No change will be made to the manufacturer lists for these air valves.

Question 26:

Regarding the demolition of the open-top digesters, it is my understanding that these structures are to be demolished to two feet below existing grade, but it appears the drawings show that the digester walls are demolished all the way down to the slabs on Sheet 10-D121. Please advise.

Response: Open-top Digester Nos. 1-7, 9, and 10-12 are to be demolished to two feet below existing grade. All equipment and piping inside the open-top digester structures is to be demolished. Please see No. 3 in the Changes to the Plans portion of this Addendum.

Question 27:

Can the existing grade elevations around each digester be provided to better determine how much backfill will be needed inside these digesters?

Response: Existing grade ranges from approximately 539 ft to 542 ft. Please see No. 3 in the Changes to the Plans portion of this Addendum.

Question 28:

Detail 4/Sheet 10-D123 calls for aluminum grating to be provided at open channels. We have no information as to how much square footage of open channel there is. Please provide more information or a quantity to bid.

Response: Open channel dimensions have been added. Please see No. 4 in the Changes to the Plans portion of this Addendum.

Question 29:

Please confirm that the contractor is to backfill up to existing grade INSIDE of the Stormwater Clarifier walls that are left in place.

Response: The Contractor is to backfill up to existing grade inside the below-grade portions of the Stormwater Clarifier walls that are to be left in place. Please see General Demolition Note No. 6 on Drawing 10-D101 and note to "Demolish Below Grade Structure. See Detail 1/10-D130" on Stormwater Clarifier Demolition Section on Drawing 10-D127.

Question 30:

Please provide dimensions of the sludge pump station to be demolished on Sheet 10-D128.

Response: Plan and section views with dimensions have been added. Please see No. 5 in the Changes to Plans portion of this Addendum.

Question 31:

We are requesting that the deadline for questions be pushed back at least one week. Since this proposal is not due for three more weeks, we'd like some extra time for questions to be asked and answered as several estimators are not done working their way through the plans.

Response: Please reference No. 1 in the Changes to the Specifications portion of Addendum 2.

CHANGES TO THE SPECIFICATIONS

1. Specification Section 40 23 46:
Replace Paragraph 2.4.A with: "Except as modified or supplemented herein, all gates and operators shall conform to the applicable requirements of AWWA C561, latest edition, and AWWA C562, latest edition, for fabricated stainless steel and fabricated aluminum gates, respectively."
2. Specification Section 40 23 46:
Replace Paragraph 2.5.F.7.b. with: "In the invert frame and flush with the invert of the structure or invert of opening."
3. Specification Section 40 23 46:
Replace Paragraph 2.5.G.2 with: "Machine cut or rolled threads."
4. Specification Section 46 61 41 – Synthetic Media Diamond Filter
Add Paragraph 1.2.G: "Equipment shall comply with Section 05 50 00, except passivation in accordance with Section 05 50 00, Paragraph 2.20.E is not required."
5. Specification Section 46 61 41 – Synthetic Media Diamond Filter
Add Paragraph 1.2.G: "OIT screens for new and existing filter control panels shall be a minimum of 10-inches."

The remaining specifications shall remain the same.

CHANGES TO THE PLANS

1. Drawing 05-C301: Revise the reference sheet in the Enlarged Intersection Plan, I-1 call-out by replacing "05-C306" with "05-C309". The Enlarged Intersection Plan Reference is called out on the Plan View B, between Station 11+00 and 13+00.
2. Drawing 05-C507: Replace Note No. 1 under Detail 2, Typical Pavement Sections, "Concrete Pavement Joint Requirements Contraction Joint Spacing" heading. Note 1 shall be removed and replaced with "12.5-ft each way for pavement thickness of 7-inches."
3. Drawing 10-D121: Replace the sheet with the attached.
4. Drawing 10-D123: Replace the sheet with the attached.
5. Drawing 10-D128 Replace the sheet with the attached.
6. Drawing 26-E108: Replace Keynote No. 4 with "Refer to D4/26-S401 for generator pad dimensions and structural requirements. Refer to D5/26-S401 for transformer pad dimensions and structural requirements."

7. Drawing 10-D122: Add the following note to Section No. 5 as Note No. 3 “Solids and/or liquids in Open-Top Digester Tank Nos. 1-6, 9, and 11 are within the cone section of the tanks.”
8. Drawing 10-D122: Add the following note to Section No. 5 as Note No. 4 “Solids and/or liquids side water depth in Open-Top Digester Tank Nos. 7 and 12 is approximately 9 feet.”
9. Drawing 10-D127: Add the following note to Section No. 2 as Note No. 2 “Solids and/or liquids in the Stormwater Clarifier are within the cone section of the clarifier.”
10. Drawing 10-D114: Add the following note to Section No. 3 as Note No. 1 “Remove and dispose of all solids and/or liquids in basins. It is the Contractor’s responsibility to follow all applicable codes and requirements for solids removal and offsite disposal and to obtain any required permits.”
11. Drawing 10-D114: Add the following note to Section No. 3 as Note No. 2 “Solids and/or liquids depth in the northwest corner of the Belt Filter Press Area is approximately 3.5 inches.”
12. Drawing 10-D125: Add the following note to Section No.5 as Note No. 1 “Remove and dispose of all solids and/or liquids in basins. It is the contractor’s responsibility to follow all applicable codes and requirements for solids removal and offsite disposal and to obtain any required permits.”
13. Drawing 10-D125: Add the following note to sheet Section No.5 as Note No. 2 “Solids and/or liquids depth within the Wetwell is approximately 3 feet.”

The remaining drawings shall remain the same.

END OF ADDENDUM 3

This Addendum is 10 pages in its entirety, including attachments.

Attachments: Local SWMVB – Demolition Contractors
Plan Sheets: 10-D121, 10-D123, 10-D128



Digitally Signed: March 4, 2021
Greg T. Swoboda, P.E. 76706
Garver, LLC.
Registration No. 5713

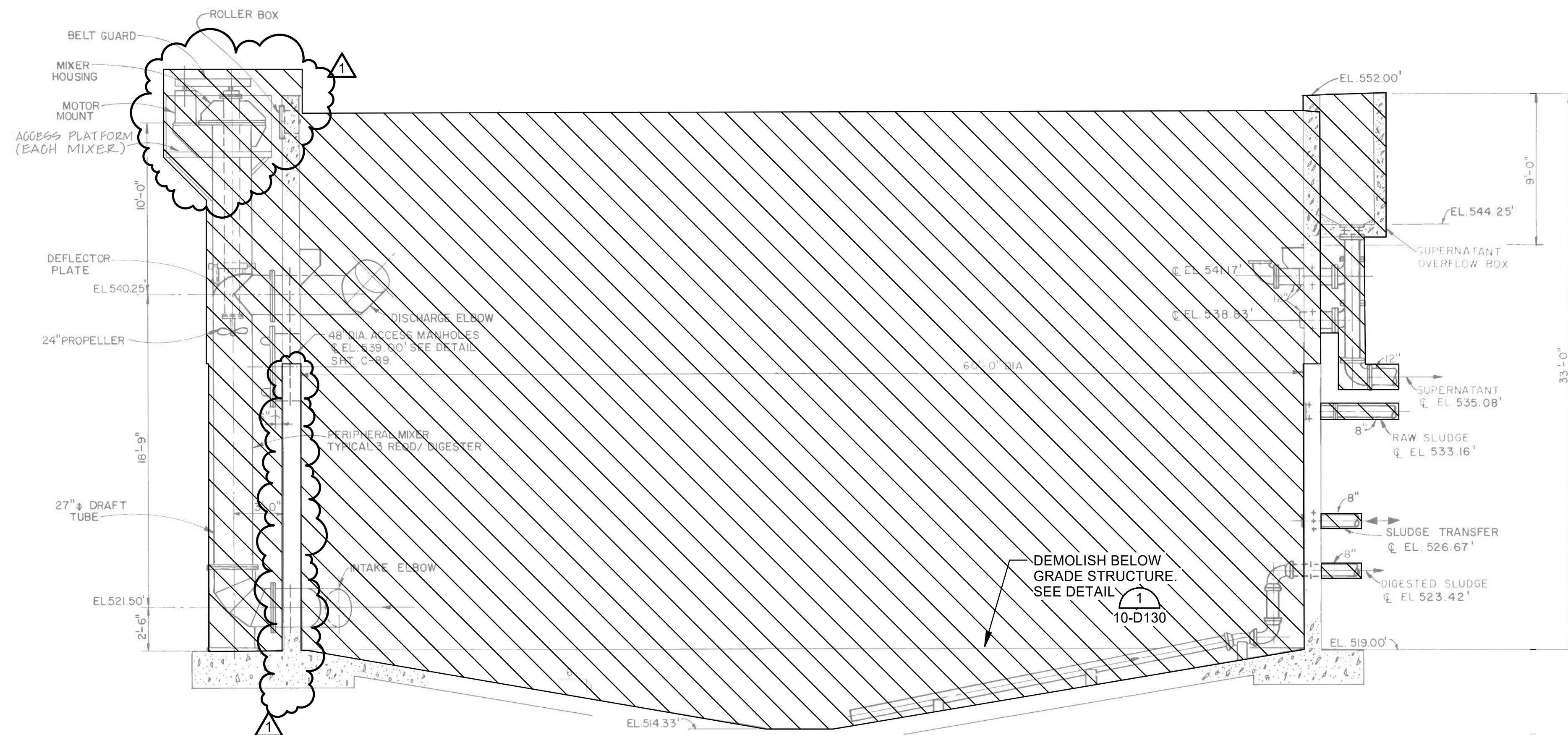
Local SMWVB - Demolition Contractors

Business Name	Expiration Date	Commodity Codes/Work Codes with Descriptions
461 Holdings, LLC	2/28/2021	236118 - Construction management, residential remodeling; 236220 - Commercial building construction; 238320 - Painting (except roof) contractors; 238910 - Demolition contractor; 561720 - Janitorial services; 561740 - Cleaning carpets; 561790 - Other Services to Buildings and Dwellings
Aetos Construction, LLC	2/28/2022	237110 - Utility line (i.e., sewer, water), construction; 237310 - Road construction; 238910 - Demolition contractor 236220 - Project Management (Inactive effective 02-12-2020); 238910 - Demolition contractor; 238910 - Site Preparation Contractors; 238990 - Asphalt coating and sealing, residential and commercial parking lot and driveway; 238990 - Concrete paving, residential and commercial driveway and parking area
AJ COMMERCIAL SERVICES, INC.	11/30/2022	238910 - Demolition contractor; 238990 - All Other Specialty Trade Contractors; 541620 - Environmental consulting services; 562910 - Asbestos abatement services
American Abatement LLC	9/30/2022	237310 - Asphalt paving (i.e., highway, road, street, public sidewalk); 238910 - Demolition contractor; 238910 - Excavation contractors; 238990 - Asphalt coating and sealing, residential and commercial parking lot and driveway
Double J Site Services LLC	10/31/2021	238910 - Demolition contractor; 238910 - Site Preparation Contractors; 562111 - Solid Waste Collection
Haul-Brooke, Inc.	9/30/2022	238910 - Demolition contractor; 562910 - Remediation services, environmental
Hunter Demolition & Wrecking Corp.	11/30/2021	238910 - Demolition contractor; 562910 - Asbestos abatement services; 562910 - Remediation Services
Lone Star Remediation & Demolition, Inc.	8/31/2022	236220 - Addition, alteration and renovation, commercial and institutional building; 236220 - Project Management (Inactive effective 02-12-2020); 238110 - Poured Concrete Foundation and Structure Contractors; 238330 - Flooring Contractors; 238910 - Demolition contractor
M & R Ventures, LLC	1/31/2022	238910 - Demolition contractor; 562111 - Garbage pick-up services; 562111 - Trash hauling, local
River City Excavation, Inc.	3/31/2022	238910 - Demolition contractor
Robles 1, LLC	4/30/2021	236115 - Construction management, single-family building; 236116 - Construction management, multifamily building; 236118 - Construction management, residential remodeling; 236220 - Construction management, commercial and institutional building; 236220 - Project Management (Inactive effective 02-12-2020); 238910 - Demolition contractor; 562111 - Solid Waste Collection
Vaquero Consulting Group, LLC	5/31/2021	562111 - Solid Waste Collection

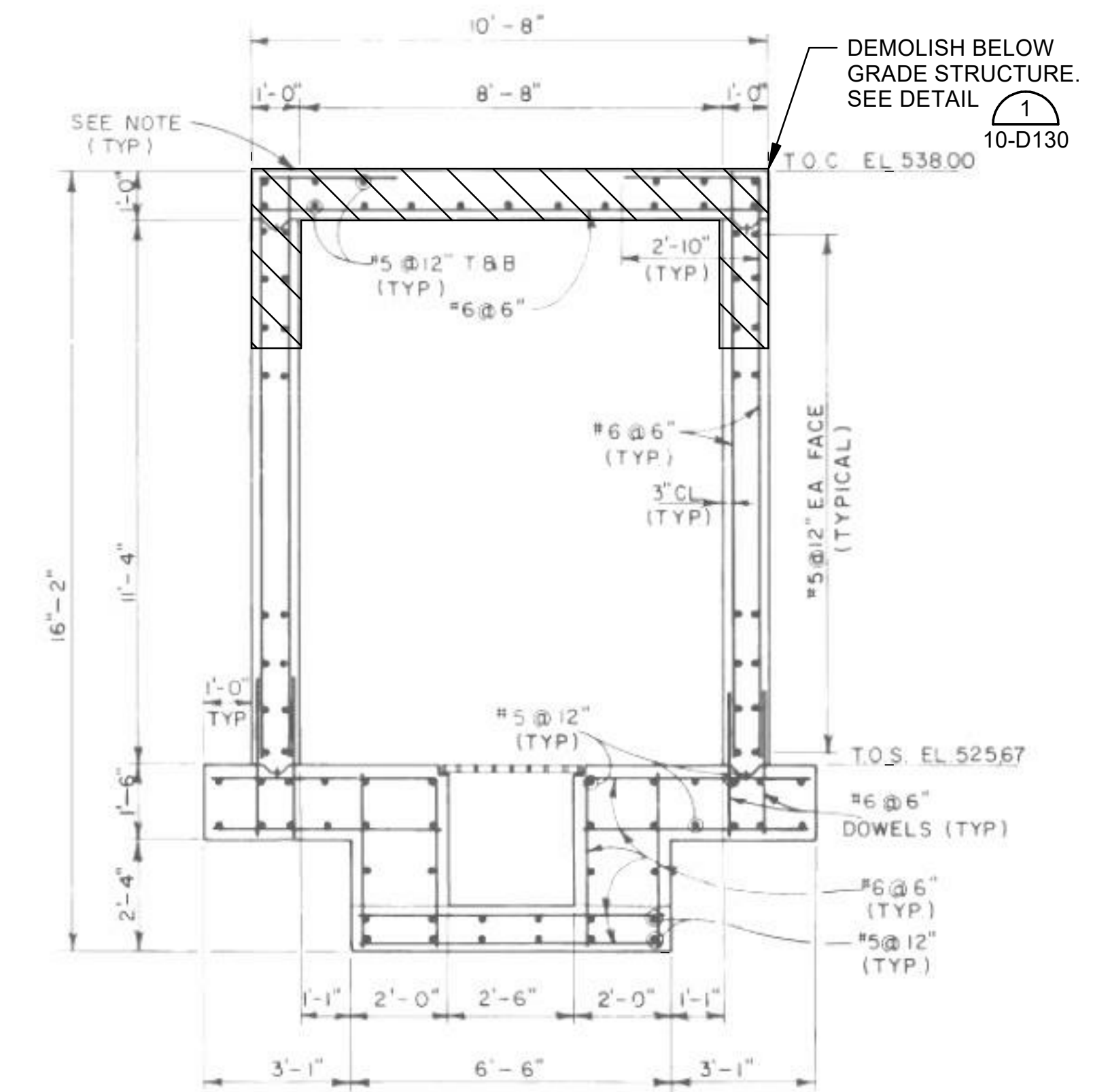
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NOTES:

1. REFER TO GENERAL DEMOLITION NOTES ON SHEET 10-D101.
2. CONTRACTOR SHALL DEMOLISH EXISTING OPEN-TOP DIGESTER TANK NOS. 1-7, 9, 11-12, ASSOCIATED PIPING, TANK FOUNDATIONS, AND STAIRWAYS/PLATFORMS LEADING TO TOP OF TANKS. ACCESS STAIRWAYS AND PLATFORMS LEADING TO OPEN-TOP DIGESTER TANK NOS. 8 AND 10 SHALL REMAIN IN PLACE.
3. CONTRACTOR SHALL DEMOLISH EXISTING TUNNEL EXCEPT FOR PORTION CONNECTING OPEN-TOP DIGESTER TANK NOS. 8 AND 10 (SLUDGE HOLDING TANK NOS. 1 AND 2).
4. FINISHED GRADE RANGES FROM 539.0' +/- TO 542.0' +/- IN THE OPEN-TOP DIGESTER AREA.



1 TYPICAL OPEN-TOP DIGESTER TANK SECTION
10-D121 SCALE: NONE



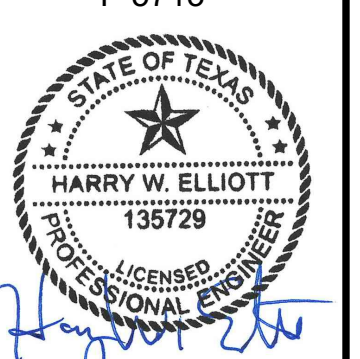
2 TYPICAL TUNNEL SECTION
10-D121 SCALE: NONE

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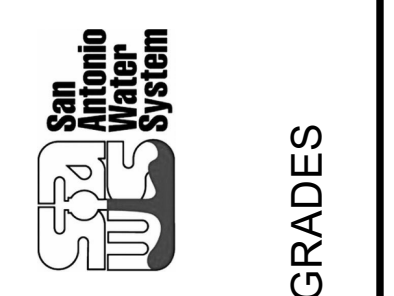
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REGISTRATION NO. F-5713



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REV	DATE	DESCRIPTION	BY
1	3/4/21	ADDITION NO. 3 FIELD CLARIFICATIONS	ADP



SAN ANTONIO WATER SYSTEM
SAN ANTONIO, TEXAS
LEON CREEK WRC IMPROVEMENTS & UPGRADES PHASE 2

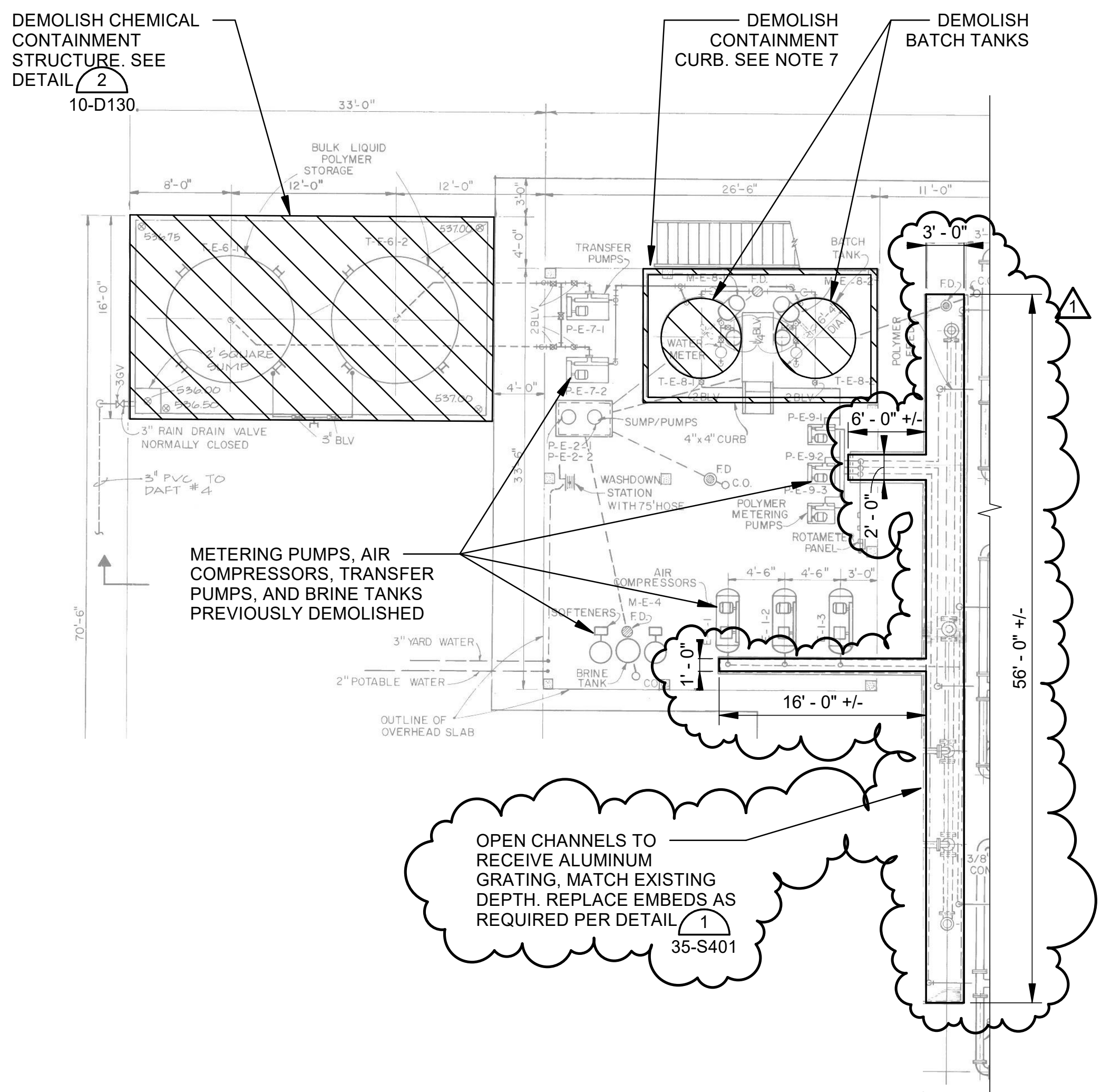
OPEN-TOP DIGESTER TANK AND TUNNEL DEMOLITION SECTIONS

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DATE: JAN. 2021
DESIGNED BY: HWE
DRAWN BY: JAG

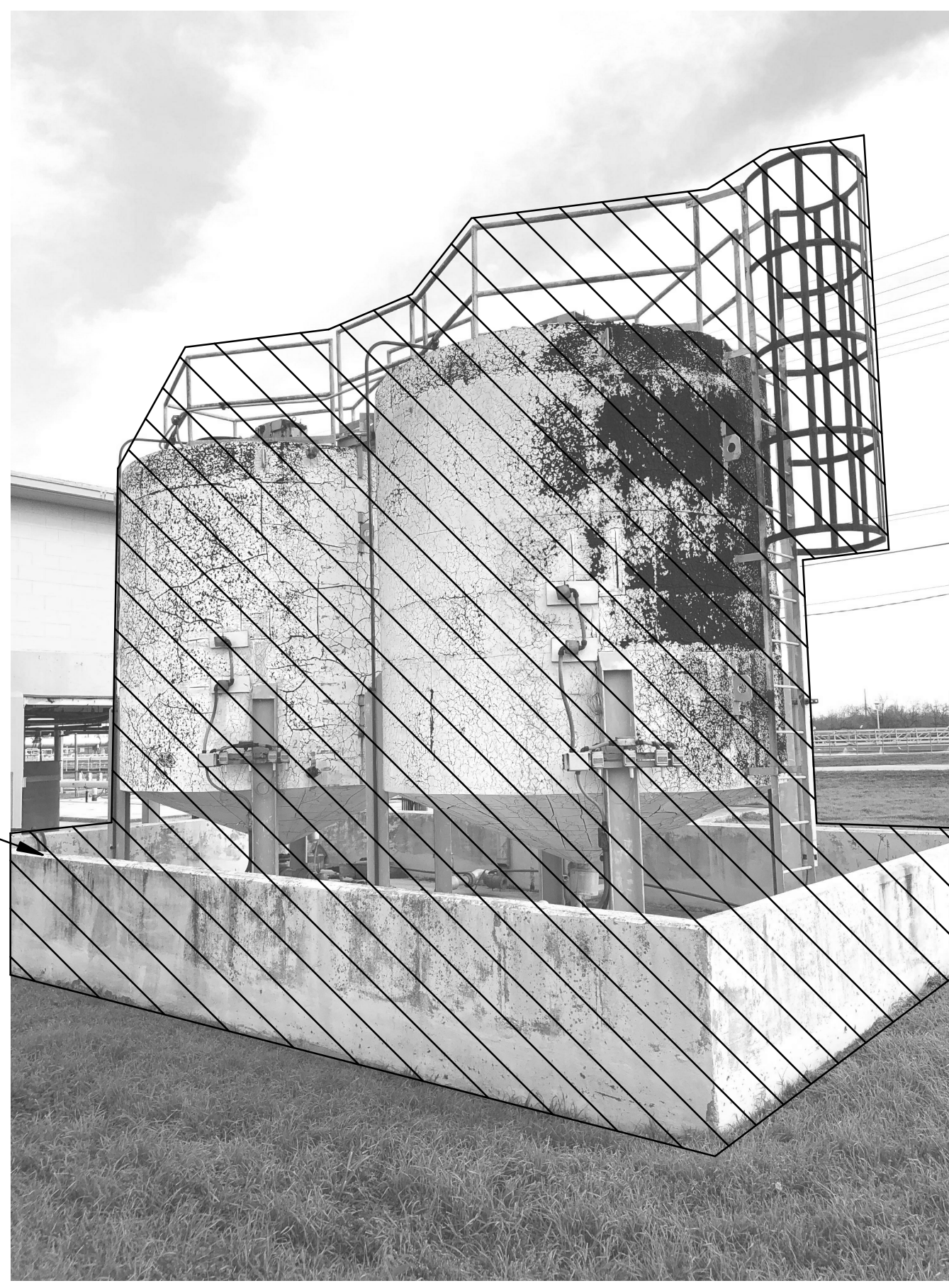
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10-D121
SHEET NUMBER **110**

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PROJECT NORTH
 1 10-D123
DAFT CHEMICAL BUILDING PLAN
 SCALE: NONE



2 10-D123
BULK LIQUID POLYMER STORAGE TANKS
 SCALE: NONE



3 10-D123
BATCH TANKS
 SCALE: NONE



4 10-D123
VIEW OF EXISTING FACILITY LOOKING EAST
 SCALE: NONE

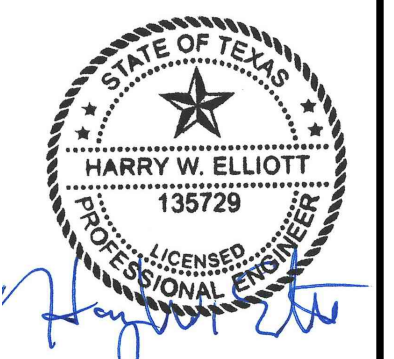
NOTES:

- REFER TO GENERAL DEMOLITION NOTES ON SHEET 10-D101.
- CONTRACTOR SHALL DEMOLISH EXISTING CHEMICAL STORAGE TANKS AND ANY REMAINING PIPING AND APPURTENANCES.
- CONTRACTOR SHALL NOT DAMAGE EXISTING FACILITY STRUCTURE AS THE SECOND FLOOR IS CURRENTLY IN USE AS A STORM SHELTER.
- CONTRACTOR SHALL REMOVE AND DISPOSE OF ANY REMAINING CHEMICALS IN ACCORDANCE WITH TCEQ REQUIREMENTS.
- POTABLE WATER, NONPOTABLE WATER, DRAIN, AND SANITARY SEWER LINES TO REMAIN IN USE.
- CONTRACTOR SHALL DISCONNECT AND REMOVE ALL ELECTRICAL, INSTRUMENTATION, CONTROL COMPONENTS, CONDUIT, AND WIRE THAT SERVE THE EQUIPMENT DEPICTED ON THIS DRAWING AS BEING DEMOLISHED. NOT ALL ELECTRICAL, INSTRUMENTATION, AND CONTROL COMPONENTS ARE SHOWN ON THIS DRAWING.
- WHERE CONCRETE EQUIPMENT PADS OR CONTAINMENT CURBS ARE CALLED TO BE DEMOLISHED, PATCH CONCRETE TO PROVIDE A SMOOTH WALKING SURFACE.



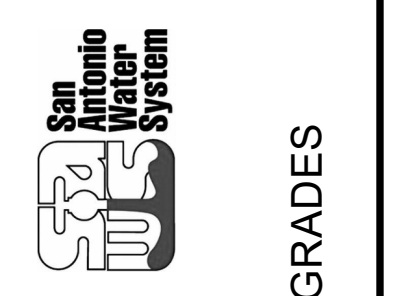
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SAN ANTONIO WATER SYSTEM
 SAN ANTONIO, TEXAS
LEON CREEK WRC IMPROVEMENTS & UPGRADES PHASE 2

DAFT CHEMICAL FACILITIES DEMOLITION PLAN AND PHOTOS

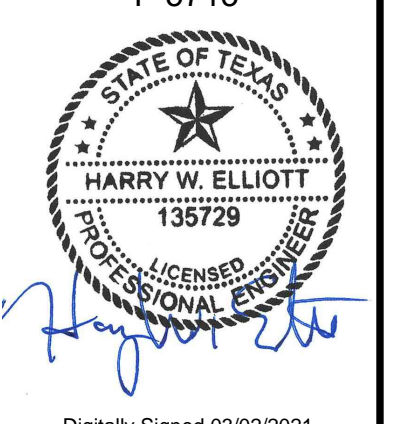
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 DRAWN BY: JAG

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SHEET NUMBER 112



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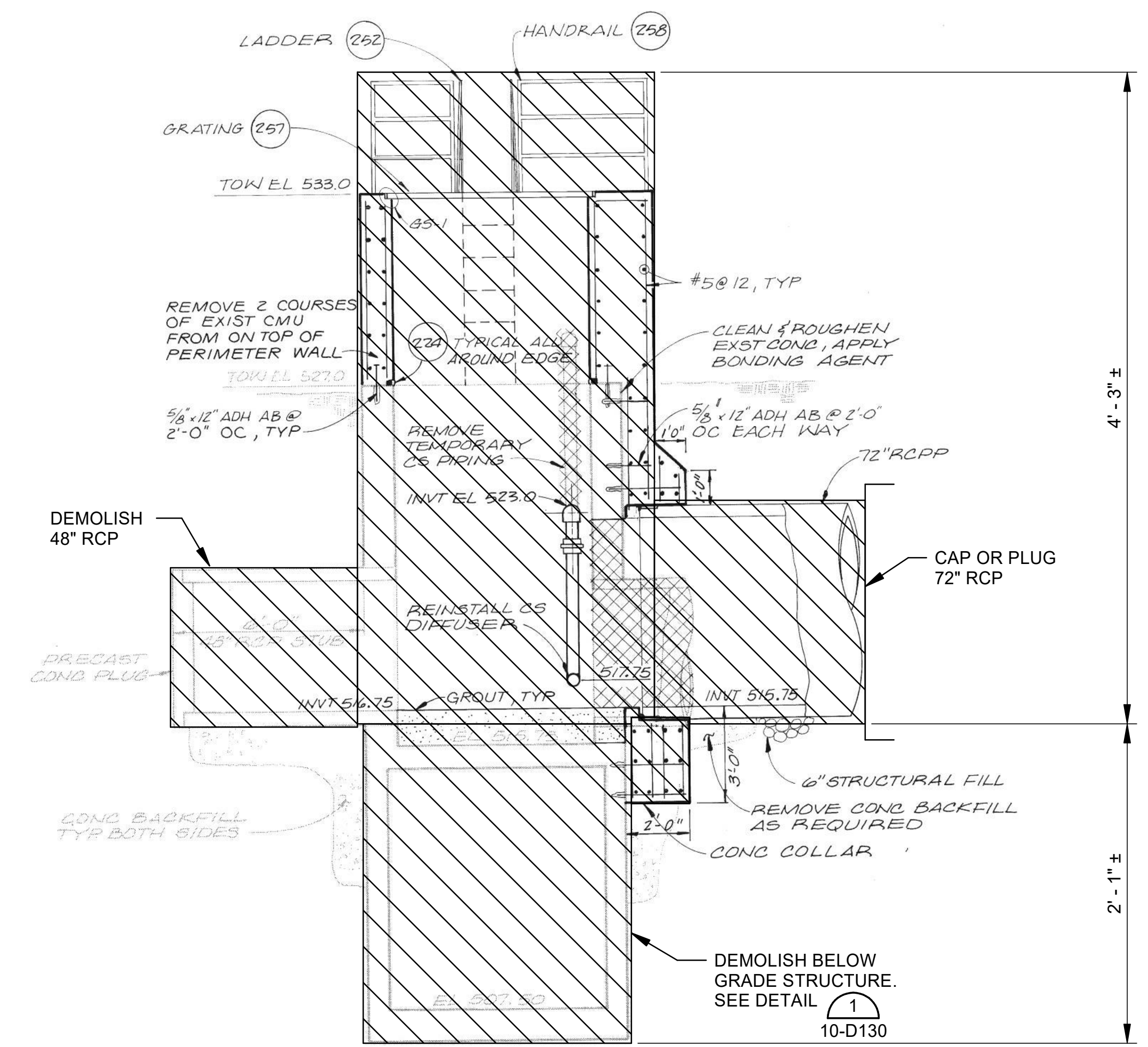
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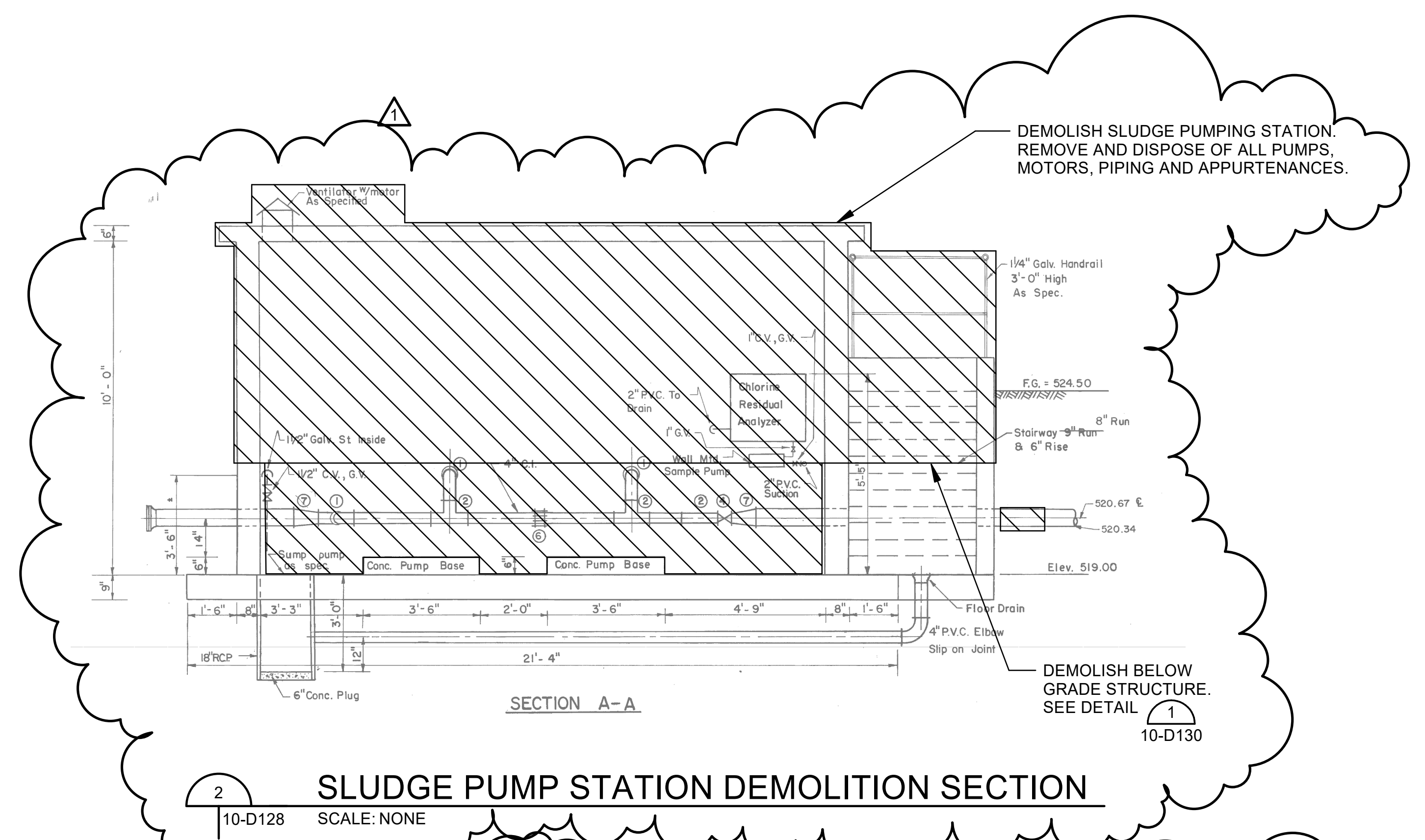
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NOTES:

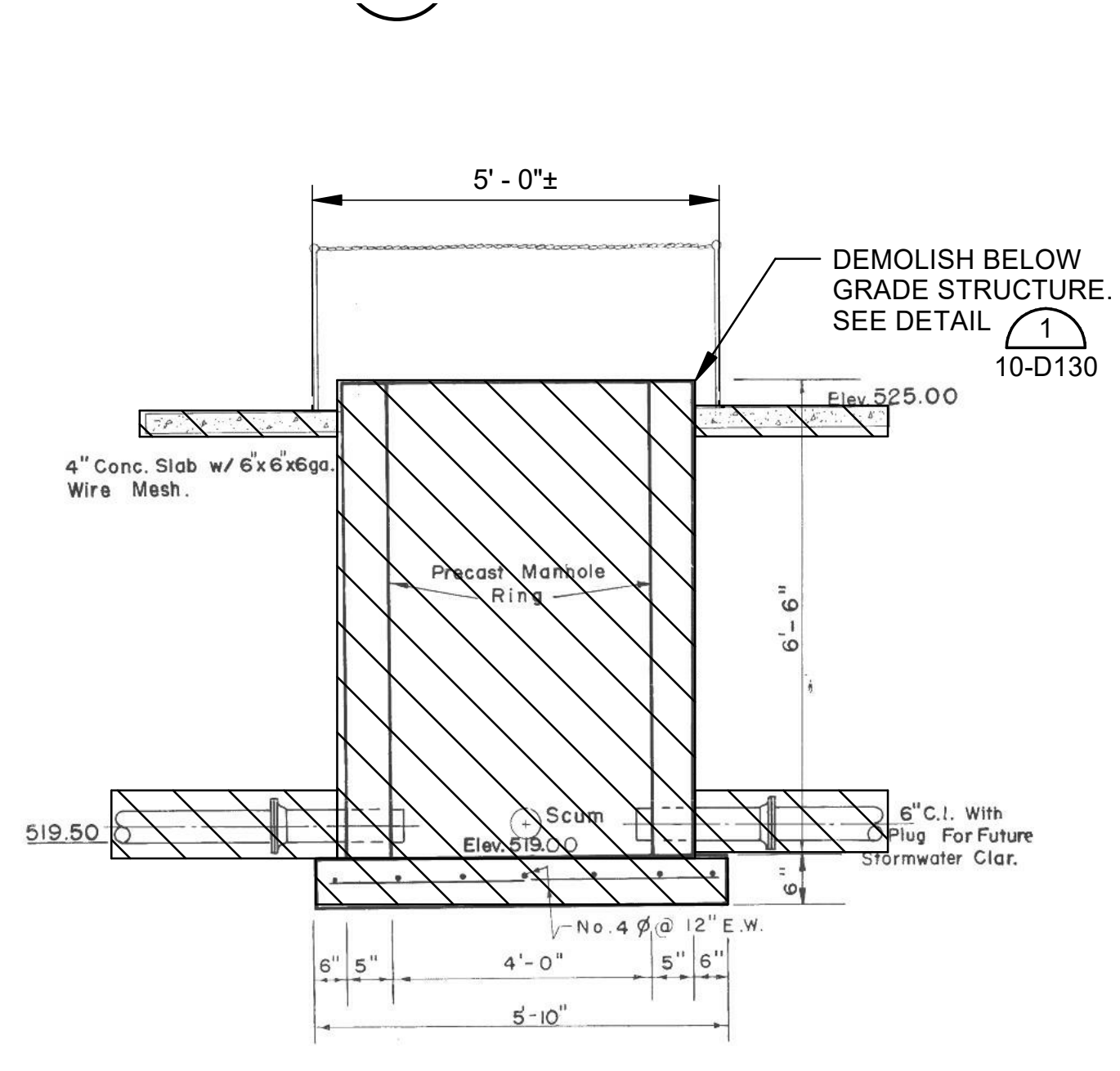
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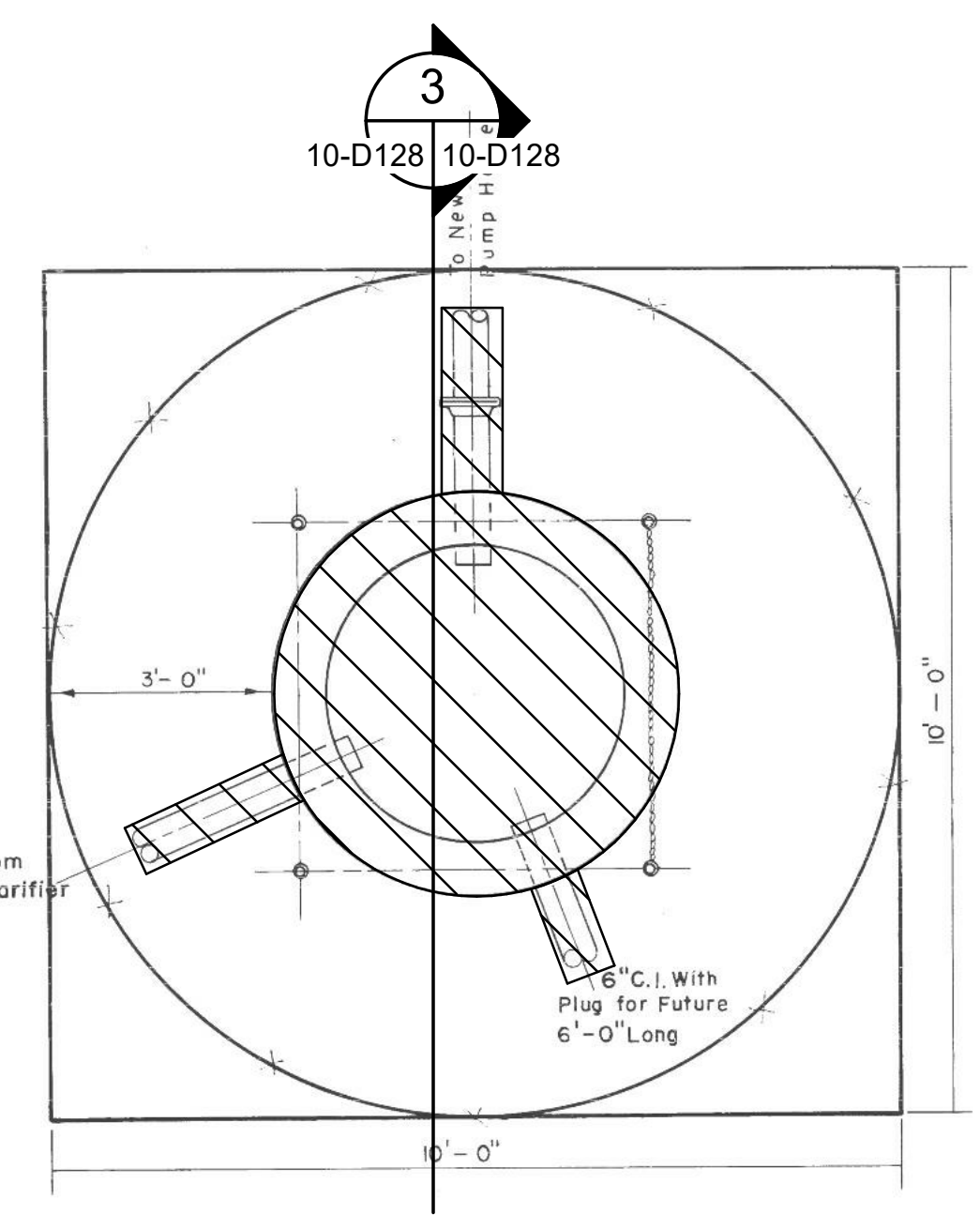
1 STORMWATER CLARIFIER INLET BOX DEMOLITION SECTION
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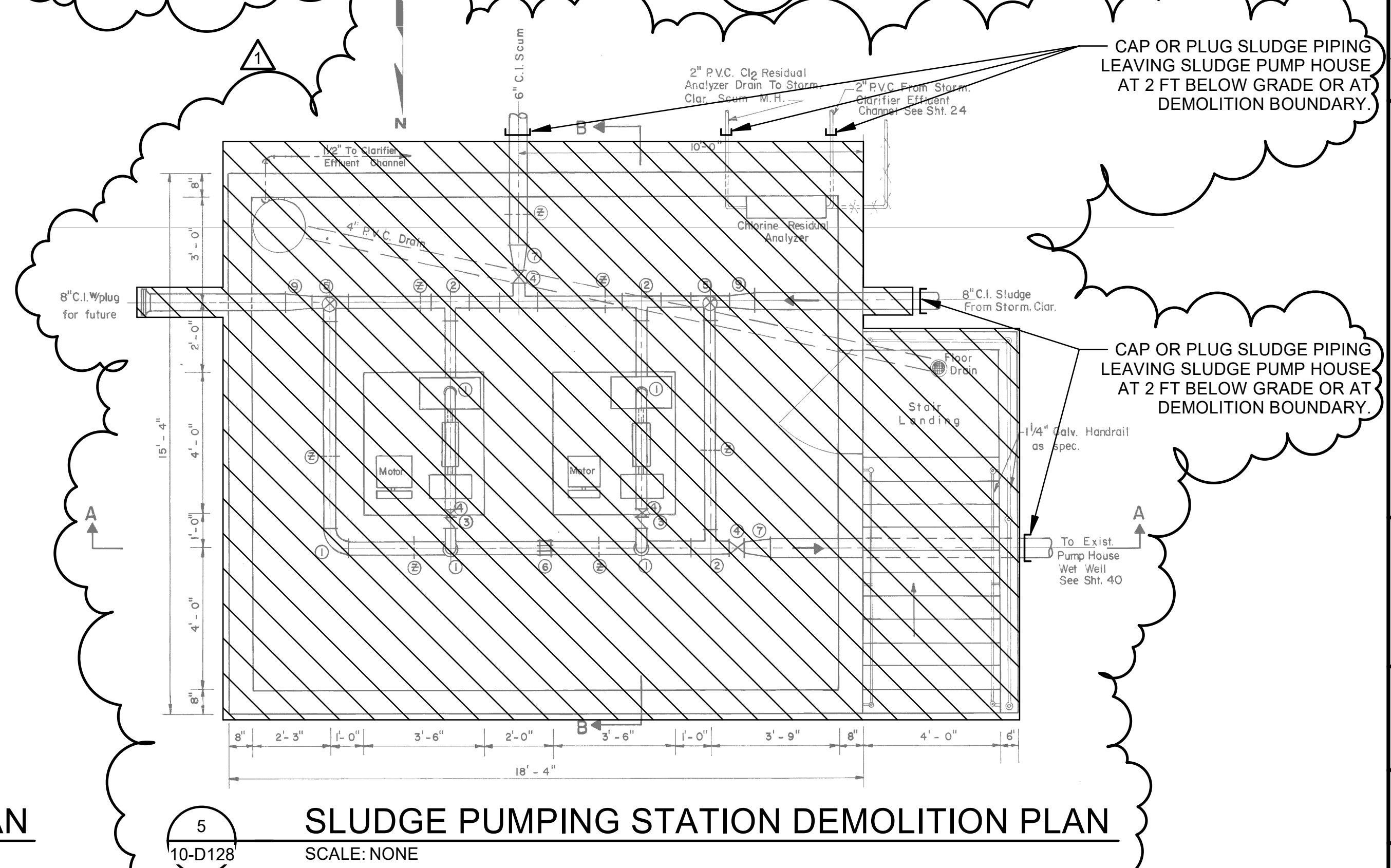
2 SLUDGE PUMP STATION DEMOLITION SECTION
 10-D128 SCALE: NONE



3 SCUM BOX DEMOLITION SECTION
 10-D128 SCALE: NONE



4 SCUM BOX DEMOLITION PLAN
 10-D128 SCALE: NONE



5 SLUDGE PUMPING STATION DEMOLITION PLAN
 10-D128 SCALE: NONE



PROJECT NORTH

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1	3/4/21	ADDENDUM NO. 3 FIELD CLARIFICATIONS	ADP

SAN ANTONIO WATER SYSTEM
 SAN ANTONIO, TEXAS

LEON CREEK WRC IMPROVEMENTS & UPGRADES PHASE 2

STORMWATER CLARIFIER INLET BOX, SCUM BOX, AND SLUDGE PUMPING STATION DEMOLITION

JOB NO.: 19-6502
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 DRAWN BY: JAG

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SHEET NUMBER
117