

CONTRACT ADDENDUM

ADDENDUM NO.: Three (3)

OWNERS'S NAME: Cobb County-Marietta Water Authority

PROJECT NAME: Wyckoff WTP Clearwell #3

BID DATE: July 1, 2020, at 11:00 AM

DATE ISSUED: June 25, 2020

CONTRACTOR ACTION

1. Acknowledge receipt of this addendum by writing in "Addendum No. 3" on Page 00 41 13-1 of the Bid Form.

DRAWINGS:

2. Sheets S-4 and S-4A: Replace the note on the southeast side of the clearwell next to the hatch that reads "Davit Crane per "M" Dwgs" with the following:

"Provide one portable hoist, Halliday Products Series Model D3B36E, and furnish and install four floor style sockets, Halliday Products Model D3S Lined, one at each hatch location."
3. Sheets ESC-1 through ESC-3: Replace with the drawings attached herein.
4. Sheet M-6: Add the attached detail for the 2" Copper Pipe and Ball Valve Detail for the 2" copper pipe on caps of 84" steel pipe shown on Sheet C-5.

SPECIFICATIONS:

5. Section 008000-Supplementary Conditions; Section SC-5.04.A.3 – A.5: Delete the following wording on the first sentence in this section: "and eliminate the exclusion with respect to property under the care, custody and control of CONTRACTOR other than Contractor's work or equipment:"
6. Section 00800-Supplementary Conditions; Section SC-5.04.A.3 – A.5 (top of page 4 of 10): Replace the sentence "The aggregate policy limits for general liability..." with the following. "The general aggregate policy limit..."
7. Section 00800-Supplementary Conditions; Section SC-5.04.B.3: Delete the sentence "The aggregate policy limits for Contractual Liability must be designated to the Project."
8. Section C-700 Standard General Conditions; Section 5.04-B-4 (page 22 of 82) states "contain a provision or endorsement that the coverage afforded will not be canceled,

materially changed or renewal refused until at least 30 days prior written notice....”. Add the following phrase “and 10 days for non-payment of premium” to this provision.

9. Section C-700 Standard General Conditions; Section 5.08 (page 25 of 82); Paragraphs A and B state that loss adjustment will be made by the Owner. Replace “Owner” with “Contractor” in these references.
10. Specification 00 20 00 – Approved Suppliers of Services, Section 1.02: Add the following to the pre-approved electrical subcontractors:

East Electrical Contractors, Inc.
995 Marietta Industrial Drive
Marietta, Georgia 30062-2443
Phone No: 770-427-8420

11. Specification 33 11 13 – Water Main Construction –Section 2.08.A., Air and Vacuum Release Valves: Add Cla-Val 39A Series to acceptable valves on the next-to-last sentence.
12. Specification 33 11 36 – Sample Pumps - Section 2.01.A. on the Grundfos model, delete “Redi-Flo 3” so pump will be Model 5SQE-90. In that same specification, Section 2.03, Fabrication and Manufacture, Paragraph B., add the following wording:

“The CU300 shall be pre-programmed to work with the SPP 1 potentiometer. The pump shall also be provided with an R100 remote control.”

QUESTIONS AND ANSWERS (responses provided here do not change the contract documents, other than as included in the Contractor Action items above)

Q1: On Sheet S-11, details on the anchor diagram display the bonded length in “partially weathered rock.” Nonetheless, Note Number Three states that rock anchor shall be installed into competent rock. Please clarify whether anchors can be installed in “partially weathered rock” or not, specially the bonded length.

A1: The rock anchors may be bonded in the partially weathered rock zone. It is the anchor rock design engineer's responsibility to ensure the design load indicated on the Drawings is met while including traditional industry standard factors of safety which will likely require embedment into the existing competent rock. See also the response to Question 17 in this addendum and clarifications.

Q2: On Sheet M-7, what is the height from the 6” concrete slab to the butterfly valve operator?

A2: The distance from the top of the concrete slab to the center of the operator handwheel should be 36”.

Q3: On Sheet M-3, Section A, is the wall thickness of the 84” steel spool piece between the butterfly valve and the clearwell 1-inch?

A3: Yes, that is correct at all 84” steel pipe penetrations into the structures.

Q4: Regarding stiffeners we will assume that we should bid and provide the BFV assemblies and wall penetrations just as shown on M-7 and M-8 without requirement of any additional “stiffeners” that are not shown on the drawings. Please clarify that no stiffeners will be required in an addendum.

A4: For the purpose of preparing the Bid, Bidders can assume that stiffeners are not required.

Q5: Please advise if East Electrical Contractors, Inc. (Marietta, GA) may be added to the list of approved Electrical Subcontractors referenced in Specification Section 00 20 00.

A5: East Electrical has been added in this addendum.

Q6: Please confirm all buried ductile iron pipe joints are to be push-on type and not restrained.

A6: All buried ductile iron pipe shall be have push-on joints other than where required for fittings. The 12” Drain line DIP for Clearwell #3 shall be restrained with Fast-Grip or Field Lok gaskets.

Q7: Please clarify if Megalugs are required on all gravity lines.

A7: Megalugs are required where shown on the drawings.

Q8: Please confirm all ductile iron pipe should be wrapped with 2-layers of polyethylene as noted in Paragraph 2.03 of Spec Section 33 11 13.

A8: Confirmed. Note also hardware on steel pipe harnesses are to be wrapped with two layers of polyethylene.

Q9: Please advise if Foley Products Company is an acceptable manufacturer for precast manholes, RCP, and box culverts.

A9: Foley Products is an acceptable manufacturer for precast manholes, RCP and box culverts.

Q10: Please provide As-builts of the existing Clearwell Tanks #1 & 2

A10: Under review.

Q11: Please confirm the both existing Clearwell #1 & 2 concrete walls have been designed for full head pressure without supportive soils around it. If not, please provide the

engineered design for how to support the existing walls on both Clarifiers when installing the 84" pipe while these are in use.

A11: Under review.

Q12: In reviewing the Geo Report, it has been determined that both boring C4 & C7 have anywhere from 7' to 9' of rock above the proposed bottom of Clearwell Tank #3. We are requesting that a unit price bid item be added to the Bid form for Rock removal. Please advise.

A12: Rock excavation will be unclassified and included in the base bid lump sum price. A unit price will not be added.

Q13: The Grading and Drainage Plan provided in the documents do not clearly define the existing & proposed grades by either bold to shaded lines or dashed to solid lines depicting existing versus proposed. Another way would be supply two drawings that depicted existing grades and the other the proposed grades. Please provide a drawing with appropriate designations.

A13: Please see PDF provided in Addendum #2 with contours in two different colors.

Q14: Is there any additional area to stockpile the dirt on site, other than the one shown in Addendum #1?

A14: There are no other areas available to stockpile soils on site.

Q15: In Section 00 41 15-1 the "Statement of Bidder's Qualifications" Item # 10 states the following, Document experience in construction work similar in nature to this Project. The question here is, are we not doing the same thing on Item # 9 with the "Project Information Forms" being completed? Please clarify.

A15: The Project Information Forms in Item #9 will be used to verify the minimum qualification requirements. Item #10 should be used to expand on the Bidder's experience on other projects similar in nature to this one.

Q16: We have had some of the subcontractors and vendors requesting for more time to complete their proposals for this Bid. With that being said, we are requesting a week postponement on the Bid Date.

A16: The bid opening date is not expected to be changed and remains July 1, 2020.

Q17: Not enough information has been supplied to design the rock anchors, we need information from the geotechnical engineer describing what kind of uplift resistance can be developed in these ground conditions. Without this the length of the rock anchors will only be a guess. Can we get this so we can bid this item as accurately as possible?

A17: The rock anchors will be installed mostly into a mix of dense soil, partially weathered rock, and weak or highly fractured rock. Considering these conditions, we recommend using an average ultimate bond strength between the grout and the ground (partially weathered rock and/or fractured/weathered rock) of 80 psi. This is an ultimate average value and a proper factor of safety for this parameter should be applied. For permanent anchors, PTI recommends applying a minimum factor of safety of 2.0 for the grout-ground interface.

Q18: What is the pressure class of DIP for each size given? The 42” pipe at PC200 is the only one specified.

A18: For 30” DIP, PC200 is required. For all other pipe sizes, the minimum pressure class available is acceptable.

Q19: In reviewing the volume of work required on this project and the direct relationships between each phase of work, we are concerned that project cannot be built in 540 days for substantial completion without double shifting some of the critical path work items. We are requesting an additional 120 days be added to the contract substantial completion durations.

A19: Only one plan holder has expressed this concern. The contract times will remain as shown in the bid documents.

Q20: Please confirm that the DIP lines & MH’s marked as “Relocate” on drawing C-2, can be reused in the new locations shown on C-6.

A20: Pipe may be reused but manholes will need to be replaced.

Q21: Refer to Section 26 05 43—3.5.L regarding trenches for underground duct.

a. 3.5.L.2 calls for trench width 12” wider than duct on each side and 3.5.L.3 calls for 3” wider on each side. Please advise correct width for trench excavation.

A21a: 3 in. wider on each side is acceptable.

b. 3.5.L.4. indicates 36” minimum cover over duct unless otherwise indicated. Detail 1/E-901 specifies 24” minimum cover. Can you confirm 24” minimum cover is acceptable?

A21b: Minimum ductbank cover shall be 24 in.

Q22: Section 01 57 13-1.01D indicates Contractor is responsible for the NPDES General Permit Fee, however Section 00 31 46 indicates that the Georgia EPD Permit process has already been initiated by the Owner. Please clarify whether Contractor is responsible for the cost of this permit.

A22: Fees paid to Georgia EPD and Cobb County for the NPDES Permit only will be reimbursed to the Contractor through the Cash Allowance for Testing and Special Inspections.

Q23: Note 1/E-401 indicates Contractor is responsible for providing and installing security cameras. Please provide specifications for the security cameras if they are to be included in this contract.

A23: Under review.

Q24: Is any more space available onsite for storage of material for backfill purposes? The additional space provided in Addendum 1 will only take care of about half (1/2) of the backfill material needed on this project. If more space is available, please indicate the maximum amount of room that can be accommodated for this purpose.

A24: Please see answer to Question 14 above.

Q25: Crystalline WP Admixture: Addendum #1 Question/Answer #10 provided direction of requirement for addition of the Crystalline Waterproofing Admix. An element of concrete placement that was not indicated is the considerable quantity of secondary concrete fill, both in the Overflow Box and foundation mat sloped fill to the drain. Please advise if these secondary placements require the Crystalline Waterproofing Admixture.

A25: Under review.

Q26: Leak Testing Tanks: Addendum #1 Question/Answer #25 did not include a response to the second part of the question. Where may we dispose of the test water upon test completion?

A26: Water may be disposed through the 12" drain line of the new Clearwell #3.

Q27: Tank Backfill: Addendum #1 Question/Answer #26 response indicated the backfill may be placed to elevation 886.00, per S-6 drawing note, "for temporary purposes to facilitate construction only". Please elaborate on direction "for temporary purpose". The following, #27 Q/A, response, also regarding leak testing and backfill, directs that backfill placed for "temporary reasons must be removed prior to the water leakage testing". For what purpose does the design allow backfill to 886.00 and is this elevation considered a "temporary" measure for construction purposes? To begin installation of the 84" pipe, along both west and east sides of the tank, in a necessary timeframe to accomplish project completion within the time constraints allowed by the contract, backfill must commence prior to the tank concrete completion and leak testing. At a minimum the backfill must be installed to the pipe invert of 873.50 but preferably to the pipe center line of 877.00. Please clarify responses.

A27: Under review.

Q28: Civil drawings show two pipes interconnecting Existing Clearwell #1 and Existing Clearwell #2. Are we able to close off these interconnections and isolate the clearwells?

A28: Yes, this will be coordinated with the Owner.

Q29: In addendum #1, the response to question #17 related to hazardous materials indicates that “The Contractor shall be listed as the generator of all hazardous material and shall sign all transportation manifests”. This response is in conflict with GC 4.06C which states the “Contractor shall not be responsible for any Hazardous Environmental Condition uncovered or revealed at the Site...”. We request that the response to Addendum #1, question #17 be deleted in the next addendum and response should state that GC 4.06 shall govern issues related to Hazardous Environmental Conditions.

A29: The response provided in Addendum #1, Question #17, is deleted in this addendum. That response was a clarification and therefore did not change the Contract Documents. General Conditions Section 4.06C remain in effect.

Q30: Please respond to the following questions/clarifications regarding insurance:

- a. Section 008000-Supplementary Conditions; Section SC-5.04.A.3 – A.5: The first sentence in this section ends with the words “**and eliminate the exclusion with respect to property under the care, custody and control of CONTRACTOR other than Contractor’s work or equipment:**”. This requirement for the General Liability is not industry standard. Please remove this wording.

A30a. Changed in this addendum.

- b. Section 00800-Supplementary Conditions; Section SC-5.04.A.3 – A.5 (top of page 4 of 10) contains the sentence “**The aggregate policy limits for general liability....**”. Please amend this sentence to read “**The GENERAL aggregate policy limit....**”:

A30b. Changed in this addendum.

- c. Section 00800-Supplementary Conditions; Section SC-5.04.B.3: Contains the sentence “**The aggregate policy limits for Contractual Liability must be designated to the Project.**” A General Liability policy does not have separate contractual limits. Please remove this sentence.

A30c. Changed in this addendum.

- d. Section C-700 Standard General Conditions; Section 5.04-B-4 (page 22 of 82) states “contain a provision or endorsement that the coverage afforded will not be canceled, materially changed or renewal refused until at least 30 days prior written notice....”. Please also add “**and 10 days for non payment of premium**” to this provision.

A30d. Changed in this addendum.

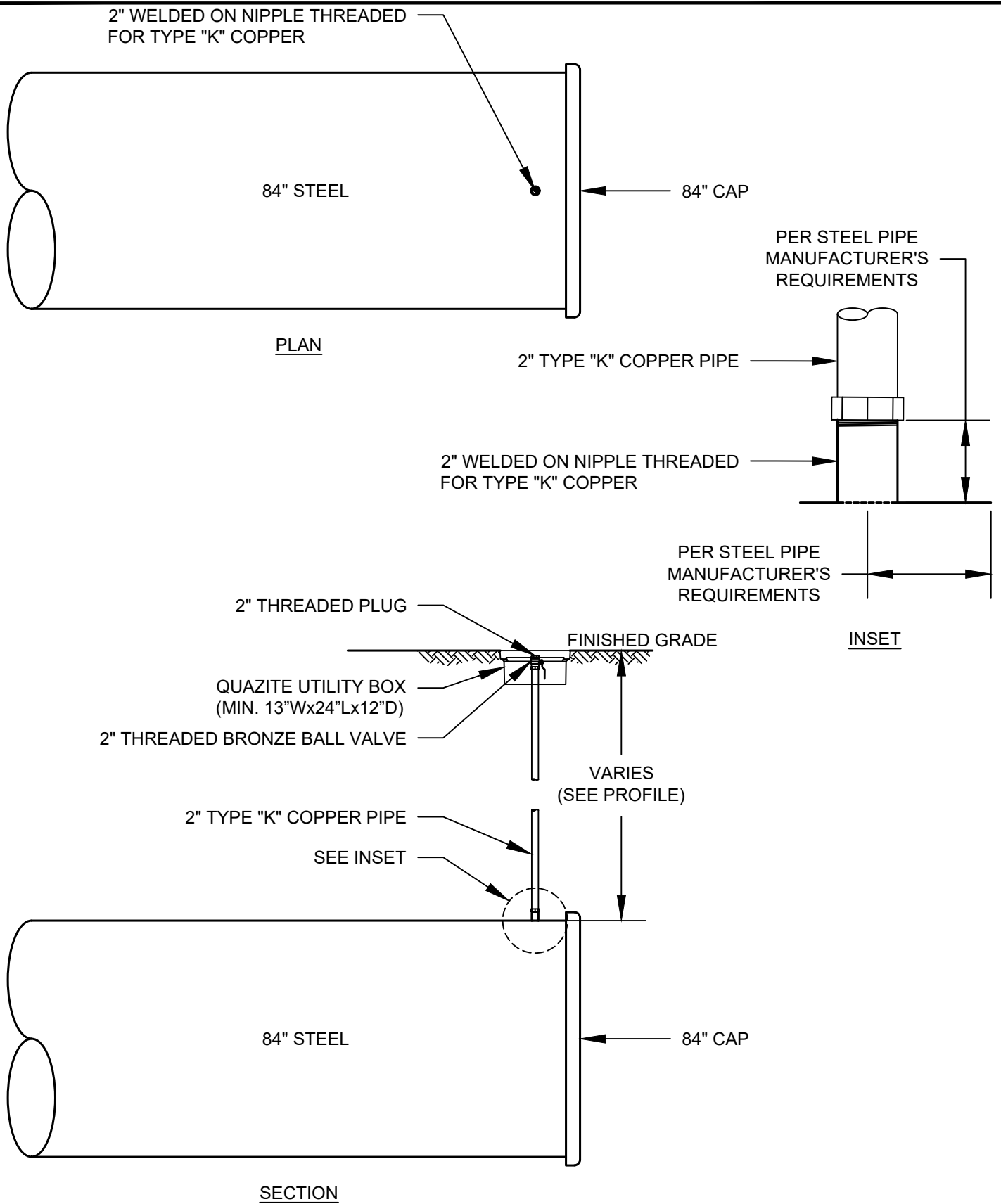
- e. Section C-700 Standard General Conditions; Section 5.08 (page 25 of 82); both paragraphs A and B state that loss adjustment will be made by the Owner. Under the Builders Risk, the Contractor who is purchasing the Builders Risk should be the party that adjusts the loss with the insurance company. Please revise these references from the Owner to the Contractor.

A30e. Changed in this addendum.

Approved by:



Pedro M. Rossello
Engineering Strategies, Inc.

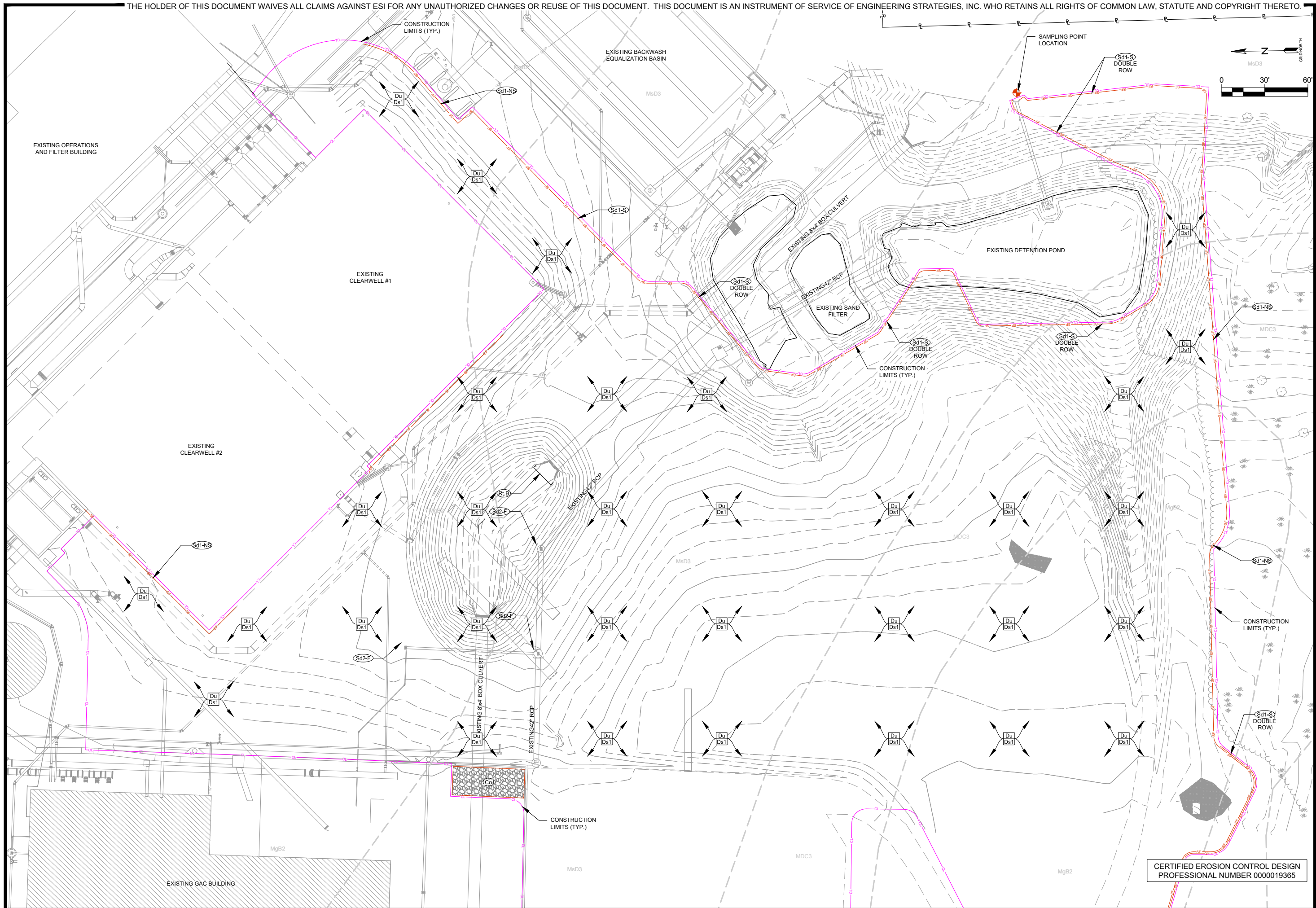


2" COPPER PIPE & BALL VALVE DETAIL

SCALE: 1/4" = 1'-0"

6/24/2020

FIGURE NO.



ESI
ENGINEERING STRATEGIES, INC.
 3855 SHALLONFORD ROAD, SUITE 525
 MARIETTA, GA 30062
 (770) 425-0001

DATE: MAY 2020	PROJECT NUMBER: 505-9005-33-19-0000
DATE: 6/25/20	REVISION: 1
ADDENDUM NO. 3	

DSGN: BW
 DRWN: BW
 CHCK: PMR

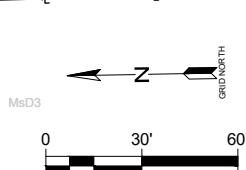
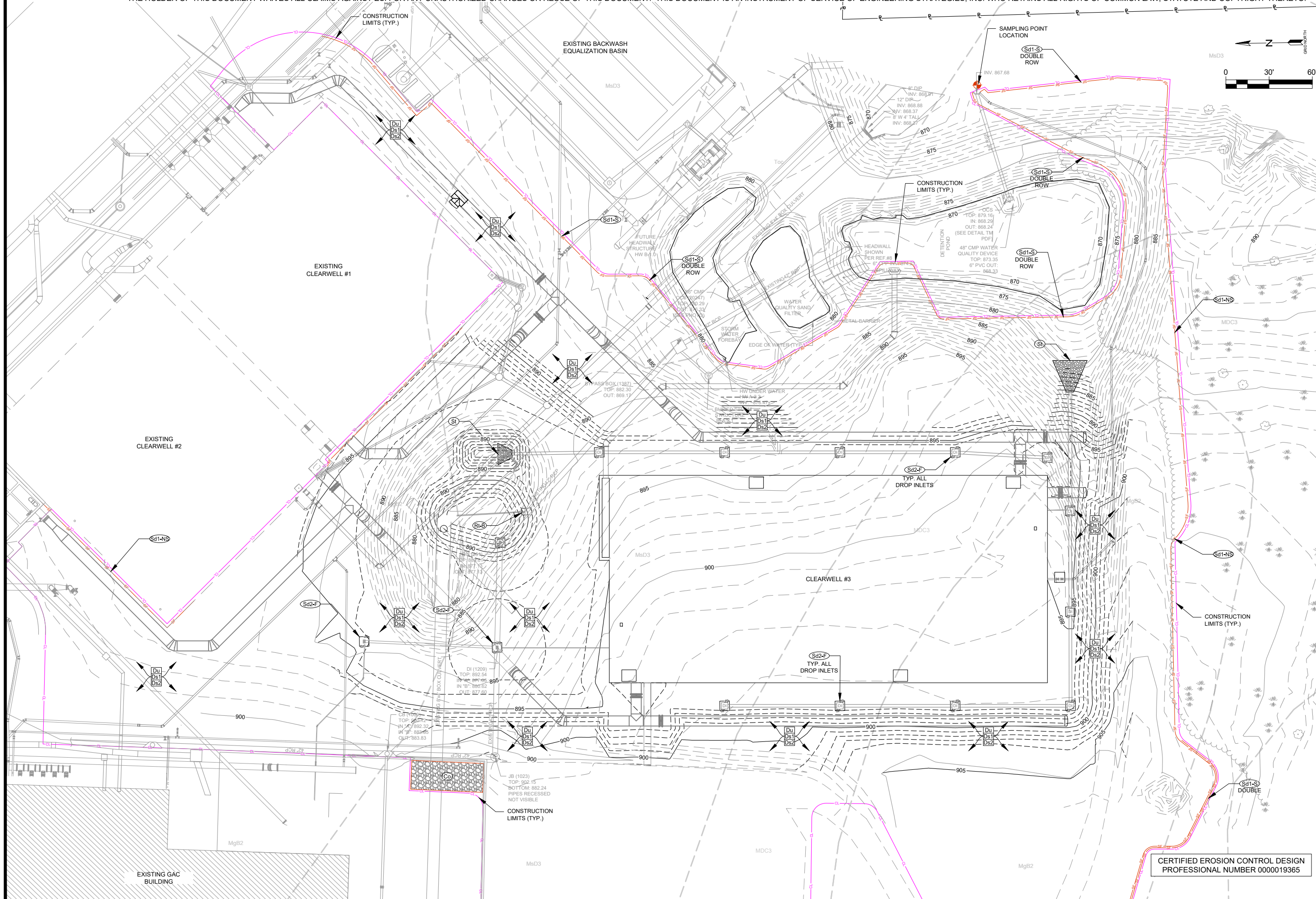
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COBB COUNTY-MARIETTA WATER AUTHORITY
 WYCKOFF WTP CLEARWELL #3

EROSION CONTROL PLAN
 PHASE 1

SHEET NO.
 ESC-1

CERTIFIED EROSION CONTROL DESIGN
 PROFESSIONAL NUMBER 0000019365



ESI
ENGINEERING STRATEGIES, INC.
 3855 SHALLONFORD ROAD, SUITE 525
 MARIETTA, GA 30062
 (770) 425-0001

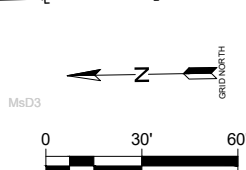
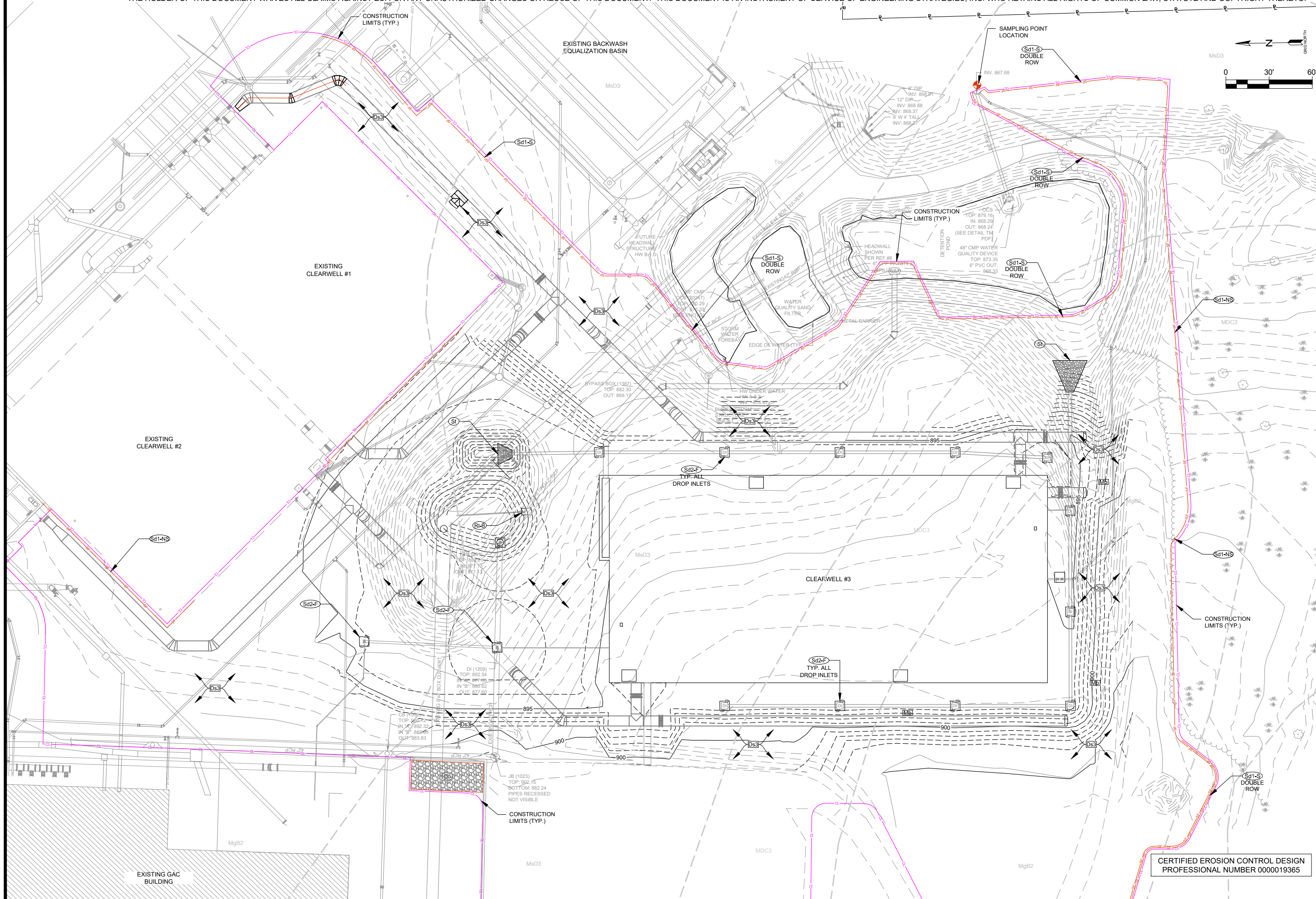
DATE: MAY 2020	PROJECT NUMBER: 505-9005-33-19-0000
1	ADDENDUM NO. 3
REVISION	DATE: 6/25/20

DSGN: BW
 DRWN: BW
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COBB COUNTY-MARIETTA WATER AUTHORITY
 WYCKOFF WTP CLEARWELL #3
EROSION CONTROL PLAN
PHASE 2

CERTIFIED EROSION CONTROL DESIGN
 PROFESSIONAL NUMBER 000019365

SHEET NO.
ESC-2



ESI
ENGINEERING STRATEGIES, INC.
 3855 SHALLONFORD ROAD, SUITE 525
 MARIETTA, GA 30062
 (770) 429-0001

DATE: MAY 2020	PROJECT NUMBER: 505-9005-33-19-0000
1	ADDENDUM NO. 3
REVISION	DATE: 6/25/20

DSGN: BW
 DRWN: BW
 CHCK: PMR

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COBB COUNTY-MARIETTA WATER AUTHORITY
 WYCKOFF WTP CLEARWELL #3
 EROSION CONTROL PLAN
 PHASE 3

CERTIFIED EROSION CONTROL DESIGN
 PROFESSIONAL NUMBER 000019365

SHEET NO.
 ESC-3