Clean Water Services

SEVENTH ADDENDUM TO INVITATION TO BID
FOR THE DURHAM WRRF PHASE 6B DIGESTER PROJECT NO. 7203

CLEAN WATER SERVICES

ISSUED: OCTOBER 29, 2025

Clean Water Services' Invitation to Bid for the Durham WRRF Phase 6B Digester Project No. 7203 dated September 17, 2025 (ITB) is hereby amended as follows:

1. **Drawings**

   a. Delete plan callout "SEE DRAWING 725-M-111 FOR CONTINUATION" on the left side of Drawing 005-CY-101 and replace with the following:

      "SEE DRAWING 725-M-110 AND 725-M-111 FOR CONTINUATION"

   b. Delete the following drawing and replace it with the drawing included in Exhibit A of this Addendum:

      1. 725-M-110.

      Clarified the location and quantity of the equipment lifting eyes.

   c. Delete the following drawing and replace it with the drawing included in Exhibit A of this Addendum:

      1. 725-A-331.

      Clarified the weather resistive barrier product.

   d. Delete references to Direct Buried Ductbanks Standard Detail "16325B" and replace them with "16325" on Drawings 005-E-101 and 005-E-102.

2. **Standard Details**

   a. Add the following immediately after "15640 Buried Gate Valve Box" in the Standard Details Index List.

      "15720 Hose Racks"

   b. Add Standard Detail 15720 Hose Racks included in Exhibit B of this Addendum.

Except as modified in this Addendum, the ITB will remain in effect as originally written.

Clarifications, which do not modify the ITB, are as follows:

1. Question 1: Can the Pipe profiles or bury depth please be provided for the fog feed lines on sheet 41 - 005 - CY - 101 Civil Yard Piping Plan?

   Answer 1: Bury depth shall be calculated using the centerline elevation provided in the Piping Coordinate Table on Drawing 005-CY-101 and existing and proposed grade elevations shown on Drawing 005-CG-101. Contractor shall excavate and locate existing pipes and electrical conduits prior to beginning work per General Note 3 on Drawing 005-CY-101.

2. Question 2: On sheet 41 - 005 - CY - 101 Civil Yard Piping Plan there is no profile for points 124 through points 128. Can this please be provided?

   Answer 2: A profile will not be provided. Contractor shall excavate and locate existing pipes and electrical conduits prior to beginning work per General Note 3 on Drawing 005-CY-101. Bury depth shall be calculated using the centerline elevation provided in the Piping Coordinate Table on Drawing 005-CY-101 and existing and proposed grade elevations shown on Drawing 005-CG-101. Depth of existing utilities at HWR, HWS, PW, and FF crossing is approximately 2 feet as noted on Drawing 005-CY-101.

3. Question 3: On Sheet 41 - 005 - CY - 101 Civil Yard Piping Plan there is no profile for the 10" DSL/OF can this please be provided?

   Answer 3: A profile will not be provided. Contractor shall excavate and locate existing pipes and electrical conduits prior to beginning work per General Note 3 on Drawing 005-CY-101. Bury depth shall be calculated using the centerline elevation provided in the Piping Coordinate Table on Drawing 005-CY-101 and existing and proposed grade elevations shown on Drawing 005-CG-101. Depth of existing DSL and OF pipes are called out on Drawing 005-CY-101.

4. Question 4: Can the Pipe profiles or bury depth please be provided for the 2" NPW piping on sheet 41 - 005 - CY - 101 Civil Yard Piping Plan?

   Answer 4: Centerline elevation of the new 2” NPW routed from the DC2 Control Building to the Brown Grease Receiving Facility shall match the centerline elevation of the new 2” FF lines. Contractor shall excavate and locate existing pipes and electrical conduits prior to beginning work per General Note 3 on Drawing 005-CY-101.

5. Question 5: For the 2" Schedule 40 Pipe sleeves on page 41 - 005 - CY - 101 Civil Yard Piping Plan can you please provide the bury depth on these?

   Answer 5: Bury depth of the 2” Schedule 40 pipes sleeves is 24 inches per Sheet Keynote 2, Drawing 005-CY-101.

6. Question 6: Plan sheet 725-S-511 details two capacity lifting eyes with reference to the location on plan sheet 725-M-110. Plan sheet 725-M-110 does not have a call out for the lifting eyes. Please clarify the locations for the lifting eyes on sheet 725-M-110.

   Answer 6: Lifting eyes shall be located over the sludge heat exchanger, sludge recirculation pumps, and grinders. Reference Drawing 725-M-110 included in Appendix A of this Addendum.

7. Question 7: Will the exterior side of Digester 3 that is required to be buried require dampproofing?

   Answer 7: No, the exterior, buried face of Digester 3 does not require damproofing.

8. Question 8: Can you please clarify if there will be a coating system on the interior side of Digester 3 where there is no thermoplastic liner present. If a coating system is required can you please specify the system?

   Answer 8: No coating is required on the interior concrete surfaces of Digester 3 beyond the thermoplastic liner area as shown on Drawing 725-S-332 and specified in Section 13217 Thermoplastic Liner for Concrete Structures.

9. Question 9: Detail E on page 725-A-331 shows a weather resistive barrier behind the rigid insulation. This is the only detail that shows this condition. There is no spec section for weather resistive barrier. Can you clarify if the WRB will be required and if so, can a spec section be provided.

   Answer 9: The weather-resistant barrier shall be a liquid-applied product, such as Tremco ExoAir 220, or equal. Refer to Drawing 725-A-331 included in Exhibit A of this Addendum.

10. Question 10: Plan Sheet 005-E-102, Keynote 2 states that "all direct buried duct banks should be constructed per (16325B)." Details (16325B) were not provided. Please provide details (16325B) and confirm whether duct banks will be concrete encased, concrete capped, or otherwise.

    Answer 10: Refer to Standard Detail 16325.

11. Question 11: Sheet 005-E-102, Keynote 5 directs us to Sheet 720-E-601 for "conduit quantity and details for direct buried duct bank." There are no details or references to details on that sheet. Please advise.

    Answer 11: The quantity and size of conduits to be included in the direct buried duct bank are shown between manhole 720EMH00011 and 720EMH00010 on Drawing 720-E-601 Cable Block Diagram. Refer to Standard Details 16325 and 16353 for direct buried ductbank and manhole details, respectively.

12. Question 12: On the Civil plans the Hose rack detail 15720 is what we are referred to, however once we look at the standard drawings provided this detail is missing, can it please be provided?

    Answer 12: Detail 15720 is included in Exhibit B of this Addendum.

13. Question 13: Will the block wall for the decant area require engineering? If so will this be on the contractor?

    Answer 13: The wall is constructed of two layers of standard ecoblocks and does not require engineering.

14. Question 14: On sheet 41 of the plans one of the 10"DSL pipes from digester 3 to the DC2 Control Building is not shown on the continuation page 725-M-111 as referenced. Can a new reference sheet please be provided or an updated reference note please be provided?

    Answer 14: Reference Drawing 725-M-110 for the continuation of the 10" DSL pipe.

END OF ADDENDUM

GENERAL SHEET NOTES

1. CONNECT PUMP SEAL WATER DRAINS TO EXISTING FLOOR DRAINS. ADD EXTENSION AND BELL UP TO DRAIN. CONTRACTOR TO REMOVE EXISTING CAULKING PLUG AND CONFIRM DRAINS ARE OPERABLE.

SHEET KEYNOTES

1. LOCATE TWO LIFTING EYES ABOVE EACH NEW GRINDER AND SLUDGE RECIRCULATION PUMP. FIELD LOCATE ONE LIFTING EYE AS CLOSE TO EQUIPMENT CENTERLINE AND THE SECOND OFFSET FROM EQUIPMENT CENTERLINE AS SHOWN WHILE AVOIDING OVERHEAD UTILITIES.

2. LOCATE TWO LIFTING EYES ABOVE THE NEW HEAT EXCHANGER. FIELD LOCATE ONE LIFTING EYE AS CLOSE TO EQUIPMENT CENTERLINE AND THE SECOND OFFSET FROM EQUIPMENT CENTERLINE AS SHOWN WHILE AVOIDING OVERHEAD UTILITIES.

BASEMENT LOWER PLAN

1/4" = 1'-0"

DRN: JS	ORIG DATE: AUGUST 2025	THIS BAR IS ONE INCH WHEN DRAWING IS FULL SCALE	1	10/2025	ADDENDUM 7
DSN: BR	DWG #: 725-M-110				
CHK: DR	CAD FILE #: 725-M-z3Dn01_D3704507.rvt				
APPD: CM	SCALE: AS NOTED		REV #	DATE	DESCRIPTION

Clean Water Services
2550 SW Hillsboro Hwy. Hillsboro, Oregon 97123-9379

PROJ NAME: CLEAN WATER SERVICES DURHAM WRRF
PHASE 6B DIGESTER

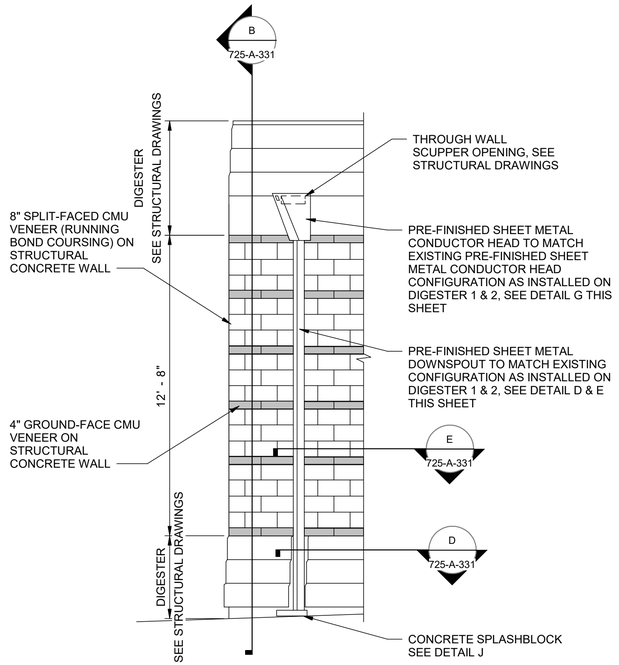
SHEET TITLE: DIGESTER COMPLEX 2 CONTROL BUILDING
PROCESS MECHANICAL
BASEMENT LOWER PLAN

SHEET: 112 of 172
PLOT DATE:
PLC #
CWS PROJ #: 7203

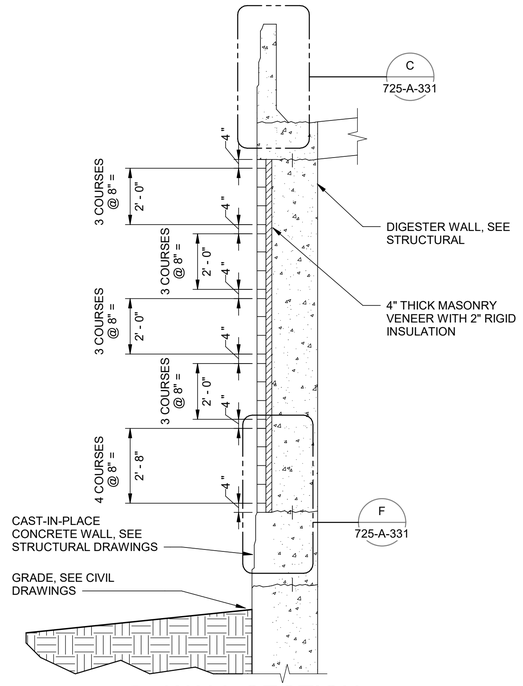
Jacobs
DWG #: 725-M-110

REGISTERED PROFESSIONAL ENGINEER
54903PE
Digital Signature
OREGON
JULY 9, 2002
BRETT W. REISTAD
EXP. 12/31/26
ENGR STAMP:

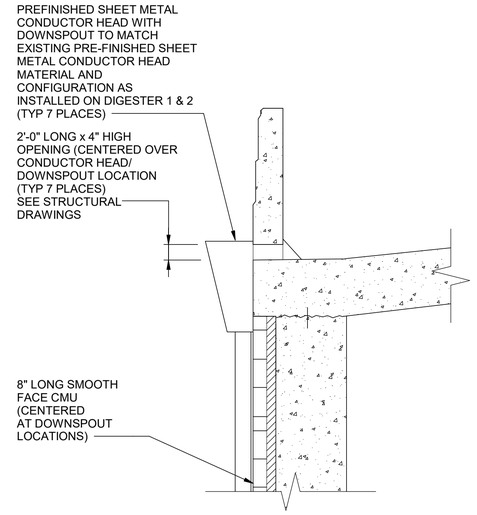
FINAL DESIGN



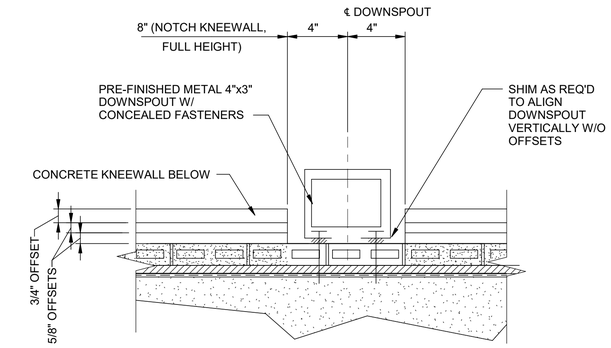
A PARTIAL WALL ELEVATION
725-A-132 NTS



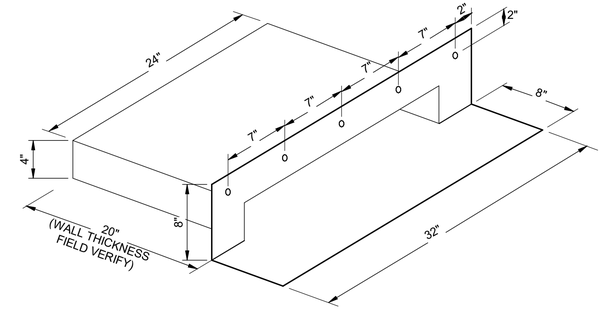
B WALL SECTION
725-A-331 NTS



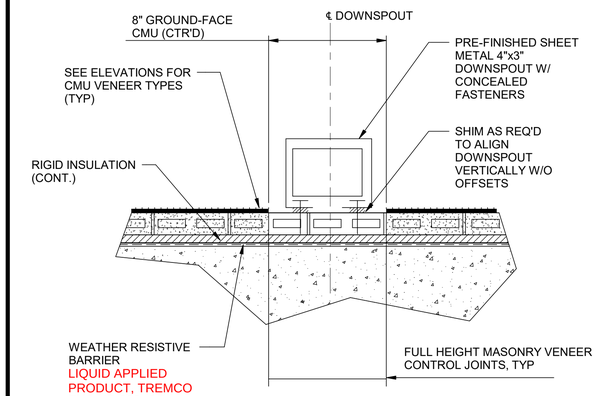
C TOP OF WALL
725-A-331 NTS



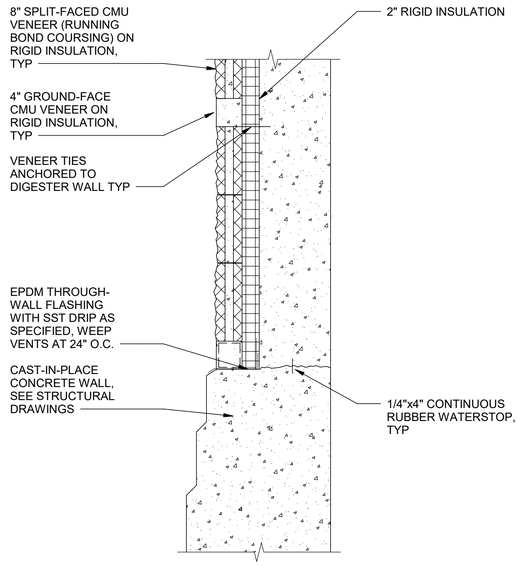
D DOWNSPOUT
725-A-331 NTS



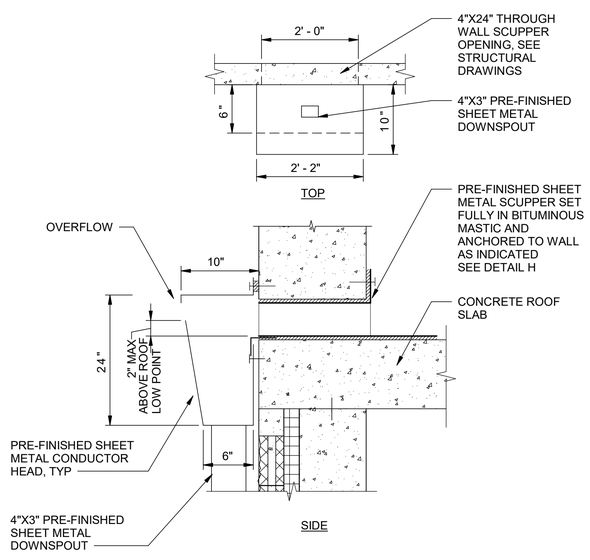
H METAL SCUPPER
1 1/2" = 1'-0"



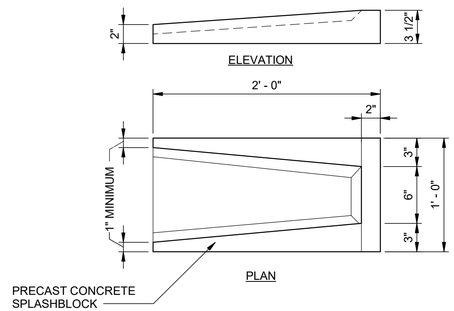
E DOWNSPOUT 2
725-A-331 NTS



F BASE DETAIL
725-A-331 6" = 1'-0"



G PRE-FINISHED SHEET METAL CONDUCTOR HEAD
NTS



J SPLASHBLOCK
1 1/2" = 1'-0"

DRN: JP	ORIG DATE: AUGUST 2025	THIS BAR IS ONE INCH WHEN DRAWING IS FULL SCALE	1	10/2025		ADDENDUM 7
DSN: JS	DWG # 725-A-331					
CHK: GK	CAD FILE # 725-A-z3Dn03_D3704507.rvt					
APPD: CM	SCALE: AS NOTED		REV #	DATE	DRN	APPD / DESCRIPTION

Clean Water Services
2550 SW Hillsboro Hwy. Hillsboro, Oregon 97123-9379

PROJ NAME: CLEAN WATER SERVICES DURHAM WRRF
PHASE 6B DIGESTER

SHEET TITLE: DIGESTER 3 ARCHITECTURAL DETAILS

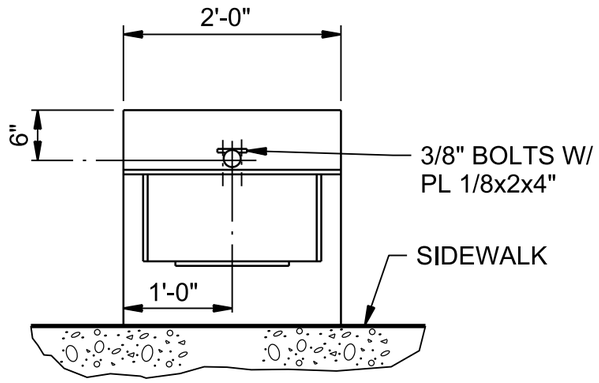
SHEET: 147 of 172
PLOT DATE: 04/07/25
PLC #
CWS PROJ # 7203

Jacobs
DWG #: 725-A-331

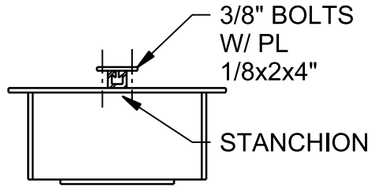
ENGR STAMP:

FINAL DESIGN

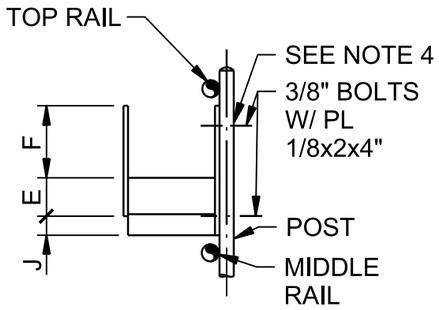
EXHIBIT B



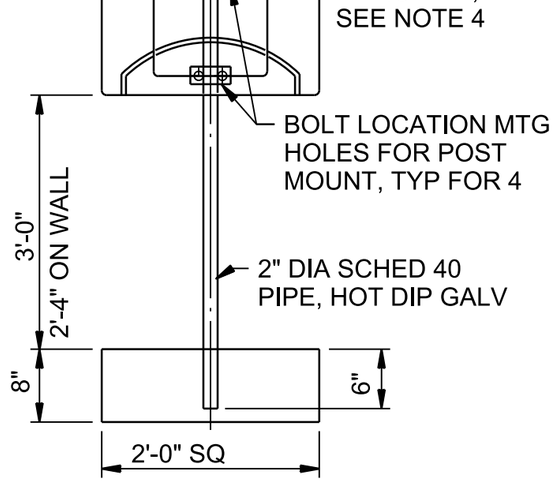
PLAN-POST MOUNT



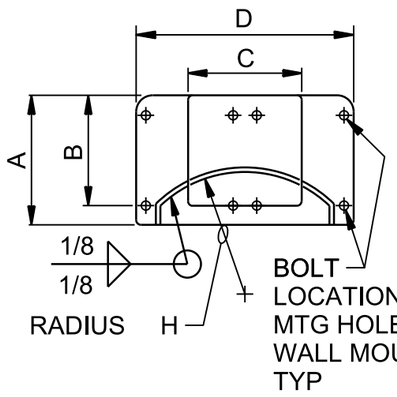
STANCHION MOUNTED

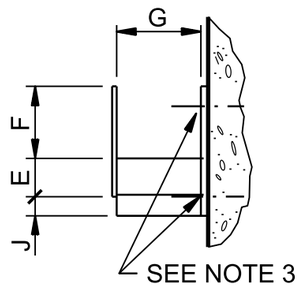


HANDRAIL POST MOUNTED



SECTION





WALL MOUNTED

DIMENSION IN INCHES

RACK TYPE	A	B	C	D	E	F	G	H	J
~~TYPE A-3/4" & 1" HOSE~~	~~10-1/2~~	~~9~~	~~9~~	~~18~~	~~3~~	~~6~~	~~7-1/2~~	~~9-3/4~~	~~1-1/2~~
TYPE B-1 1/2" HOSE	14	12	12	24	4	8	10	13	2

NOTES:

1. INTERIOR UNITS SHALL BE FABRICATED FROM 1/8" A-36 STEEL PLATE AND ENTIRE UNIT SHALL BE HOT DIP GALVANIZED AFTER FABRICATION.
2. EXTERIOR UNITS SHALL BE FABRICATED FROM 3/16" 6061-T6 ALUMINUM ALLOY PLATE.
3. ATTACH TO CONCRETE WALL WITH (4) - 3/8" STAINLESS STEEL STUD TYPE WEDGE ANCHORS.
4. ATTACH TO VERTICAL HANDRAIL OR INDIVIDUAL POST WITH PLATES AND (4)- 3/8" STAINLESS STEEL BOLTS.
5. ATTACH TO STEEL COLUMN WITH (4)- 3/8" ROUND HEAD BOLTS, ONE IN EACH CORNER. INSERT DOUBLE SPACER NUTS BETWEEN COLUMN AND HOSE RACK.

HOSE RACKS

NTS

ADDENDUM 7

© CH2M HILL

NOTE TO DESIGNER:

15720

DATE 15-FEB-05
TDC OLSON
TDR SHOTTS
LCT OLSON