Clean Water Services

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

CLEAN WATER SERVICES

ISSUED: OCTOBER 24, 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 the following drawings and replace them with the drawings included in Exhibit A of this Addendum:

      1. 001-G-086

      Modify the piping schedule to include flowstream "DSL/DF" and revise the type of coating for buried DF piping to "POLY" in lieu of coating system No. 4.

      2. 005-CY-102

      Existing and new contour information was added around the DC1 Waste Gas Burner.

      3. 720-S-101

      Add reinforcing dowels between the new and existing concrete as shown.

      4. 725-M-111

      Modify and add callouts to the Basement Upper Plan to clarify the pipe flowstream and service. Pipe material, lining, and coating requirements are specified in the Piping Schedule on Drawing 001-G-086.

      5. 725-A-132

      Horizontal concrete surfaces shall also receive a water repellent coating.

2. Specifications

a. Delete the paragraph in Section 01410 Permits and Regulatory Requirements, Part 1.02.G. and replace with the following:

"Permits and Easements Obtained After Bid Submittal: The Owner anticipates having all Owner obtained permits listed in the Supplementary Conditions by February 13, 2026. Relative to permitting, no claims for additional contract time, compensation, or otherwise shall be made by the Contractor prior to this date. If the Owner does not have all Owner obtained permits by February 13, 2026, the Contractor may request (by providing detailed backup and supporting documentation) additional non-compensable contract time for the Owner to review. If, after the Bid submittal date, the Owner obtains any permits or easements which require changes to the Work hereunder and thereby cause an increase or decrease in the cost of, or the time required for, the performance of the Work under this Contract, the Contractor shall submit information sufficient for the Owner's Representative to determine the extent of the effects on the cost and/or schedule. If the Owner's Representative agrees the cost and/or schedule will be affected by such changes, such effects will be handled in accordance with the General Conditions. The Owner's Representative will provide the Contractor with a copy of any such permits or easements. Comply with all applicable terms and conditions contained in such permits or easements."

b. Delete the paragraph in Section 07190 Water Repellent, Part 3.02.B and replace it with the following:

"Provide uniform coverage over the entire surface of exposed concrete masonry (sound/screen wall), concrete masonry veneer, and vertical and horizontal concrete surfaces of Digester 3 as indicated on the Drawings. Apply prior to installation of sheet metal conductor heads and downspouts."

c. Delete "Prefabricated" from the paragraph heading in Section 07620 Sheet Metal Flashing and Trim, Part 2.05.A.

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: Drawing 720-S-101. The footing appears to terminate ~7' prior to edge of wall. Should the remaining ~7' of wall be resting on structural fill or continue the footing to mirror Section A?

   Answer 1: Correct. The footing terminates at the 3'-0" dimension (dashed line). The remaining is slab on grade on structural fill.

2. Question 2: Standard Detail 3316 to 3318. Are all process and plumbing pipes underslab to be encased per details 3316-3318?

   Answer 2: Yes, all pipes are to be encased under structures.

3. Question 3: Drawing 720-S-101. Please clarify if the new concrete for the gas burner pad/walls are intended to be tied into the existing structure with any reinforcing dowels, as none are shown.

   Answer 3: Reinforcing dowels have been added on Drawing 720-S-101 included in Exhibit A of this Addendum.

4. Question 4: Section 07900 Joint Sealants. Spec 07900 calls out a material type for fire penetration seal. Please clarify where fire ratings are required.

   Answer 4: Penetrations through interior walls and stair tower walls require fire ratings.

5. Question 5: Section 07190 Water Repellents: Spec 07190 calls for water repellent on the vertical concrete and masonry surfaces of digester 3. Will any water repellent be required on the exposed horizontal concrete?

   Answer 5: Water repellent to be installed on the exterior horizontal concrete surfaces as well.

6. Question 6: Drawing 001-G-044. We want to confirm that the contractor is to hire and pay for full time visual inspection of all on site welding?

   Answer 6: Yes, the Contractor shall provide a certified welding inspector (CWI) per Section 05050 Welding as referenced in Table 2 on Drawing 001-G-044. The CWI shall be present for any field welding as required in Part 3.03.A; however, inspections may be scheduled in intervals or batches as long as all welds are visually inspected. The requirement for a Contractor provided CWI is separate and in addition to the Periodic Owner-Furnished Special Inspection per Table 2 on Drawing 001-G-044.

7. Question 7: Drawing 005-CY-101. The 8" line going into the digester has two flowstream codes applied to it DSL and DF. Which one of these flowstream materials are we using? The Piping schedule pg. 001-G-086. calls out GLDI for the DF piping and CLDI for the DSL.

   Answer 7: Refer to revised Drawing 001-G-086 included in Exhibit A of this Addendum. Piping identified with flowstream DSL/DF shall be glass-lined ductile iron.

8. Question 8: Overflow Box modification details are shown on sheets 725-S-512. There is no 725-S-512 included in plan set.

   Answer 8: Drawing 725-M-100 refers to Drawing 725-S-521 which is sheet 143 of 172, related to Digesters 1 and 2.

9. Question 9: Spec calls for prefabricated stucco embossed coping system. These prefab systems are not available for radius construction and will not have a factory Kynar finish as specified. Propose to fabricate custom prefinished galvanized sheet metal copings that

will have standing seam joints approximately every 4' to form to the radius of the structure, and come with factory applied kynar coating.

Answer 9: Prefabricated or custom fabricated coping systems may be used. Reference to "pre-fabricated" has been removed from Section 07620 Sheet Metal Flashing and Trim. Coping is still required to be factory finished as specified.

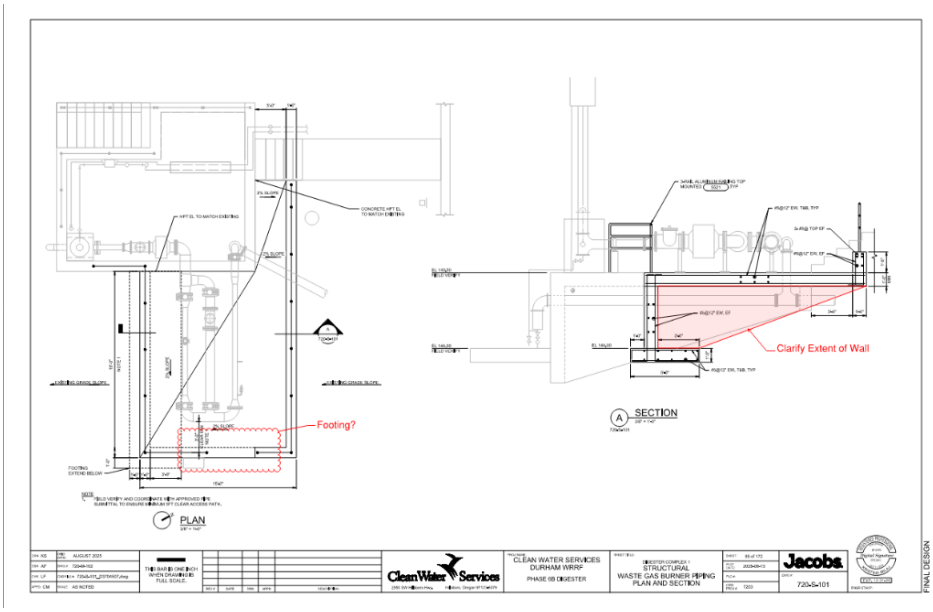
10. Question 10: Drawing 005-CD-101. Irrigation and electrical conduit are hard to make out with the X hatching. Can we get a page that removes the X hatching for conduit and piping demo.

    Answer 10: Drawing 005-CD-101 is included in Exhibit B of this Addendum with the cross-hatching turned off for Bidder's use. This drawing is for reference only and does not supersede the original drawing included in 7203 - Volume 2 - Durham WRRF Phase 6B Digester Project Bid Drawings.

11. Question 11: Section 01330, Part 1.07: does the owner require 3D scans to be established on an existing surveyed coordinate system, or is an independent scan (no surveyed coordinates) sufficient? In other words, when you upload the scans to your design software do they need to land on designed coordinates/coordinate values?

    Answer 11: The 3D scan does not need to be tied to the survey coordinate system and can be independent/standalone. However, any structures or underground piping shall be tied and referenced to the existing survey coordinate system. See 005-CE-100 for established survey control points and benchmarks, and 001-G-010 for the coordinate system.

12. Question 12: I am looking for some clarification or detail on the cast in place concrete shown at the waste gas burner at digester 1. The end wall is shown with no footing beneath and the extents of the wall as well as final grade are not clear. Can you provide some clarification, detail, or possibly a cut through this section if possible. Please see the mark-up below for reference.



Answer 12: There isn't a footing beneath the slab clouded on the plan view. The footing wall extends only to the 3'-0" dimension shown. The rest of the slab is on grade. In Section A, the existing grade rises at a constant slope from the lower slab on grade (EL 144 feet) to approximately the top of new wall (EL 151 feet). The area around the footing wall will be backfilled and existing grades will be blended starting at top of new slab on grade and sloped downward to match existing. See Drawing 005-CY-102 for existing and new contour information included in Exhibit A of this Addendum.

END OF ADDENDUM

PIPING SCHEDULE

FLOWSTREAM	SERVICE	SIZE(S) (NOTE 2)	INSTALLATION (NOTE 3)	MATERIAL (NOTE 4)	SPECIFICATION SECTION	JOINT TYPE (NOTE 9)	LINING / COATING (NOTE 5)	COLOR OF PIPE (TNEMEC NO.)	BACKGROUND COLOR (NOTE 7)	TEXT COLOR (NOTE 7)	TEST PRESSURE (PSIG)	TEST TYPE (NOTE 6)	HEAT TRACE (NOTE 8)	INSULATION TYPE/FINISH (NOTE 10)	REMARKS
COND	CONDENSATE DRAIN	ALL	ALL	PVC	15200-10	FL, S, W	BARE / BARE	N/A	GRAY	BLACK	PC	G	NONE	TYPE 2 / F2	
D	DRAIN (PROCESS)	<=4"	EXP	SST	15200-08	S, W	BARE / BARE	N/A	GRAY	BLACK	15	H	NONE	NONE	
DF	DIGESTER FEED	<=4"	EXP	SST	15200-08	S, W	BARE / BARE	N/A	BROWN	WHITE	150	H	NONE	NONE	RESTRAINED PIPING SYSTEM.
		>4"	EXP	GLDI	15200-01	FL, GR	GLASS / NO. 4	BROWN (AG12)							
			EMB	SST	15200-08	FL	BARE / BARE	N/A							
			BUR	GLDI	15200-01	PRJ	GLASS / ~~NO. 4~~ POLY	~~BROWN (AG12)~~ N/A							
DG	DIGESTER GAS	<4"	EXP	SST	15200-20	S, W	BARE / BARE	N/A	RED	WHITE	15	P	NONE	NONE	RESTRAINED PIPING SYSTEM.
		>=4"	EXP, EMB												
		ALL	BUR	HDPE	15210	FL, W	BARE / BARE	N/A	N/A	N/A					RESTRAINED PIPING SYSTEM, TRANSITION FROM SST TO HDPE, 1 FT BELOW GRADE OR 3 IN BELOW SLAB (WHICHEVER IS LOWER) WITH ANODELESS TRANSITION RISER.
DSL	DIGESTED SLUDGE	<=4"	EXP	SST	15200-08	S, W	BARE / BARE	N/A	BROWN	WHITE	150	H	NONE	NONE	RESTRAINED PIPING SYSTEM.
		>4"	EXP	CLDI	15200-01	FL, GR	CEMENT / NO. 4	BROWN (AG12)							
			EMB	CLDI		PRJ	CEMENT / NO. 7								
			BUR	CLDI		PRJ	CEMENT / POLY								
DSL/OF	DIGESTED SLUDGE OVERFLOW	ALL	EXP	ELDI	15200-01	FL, GR	EPOXY / NO. 4	BROWN (AG12)	BROWN	WHITE	PC	G	NONE	NONE	
			BUR			PRJ, FL	EPOXY / POLY								
			SUB	SST	15200-08	FL, GR	BARE / BARE	N/A							
DSS	DIGESTED SLUDGE SAMPLE	ALL	ALL	SST	15200-08	S, W	BARE / BARE	N/A							
EOF	EMERGENCY OVERFLOW	ALL	EXP	ELDI	15200-01	FL, GR	EPOXY / NO. 4	BROWN (AG12)	BROWN	WHITE	PC	G	NONE	NONE	
			BUR			PRJ, FL	EPOXY / POLY								
			SUB	SST	15200-08	FL, GR	BARE / BARE	N/A							
FF	FOG FEED	<4"	EXP (INDOORS)	CPVC	15200-11	FL, W	BARE / BARE	BROWN (AG12)	BROWN	WHITE	100	H	NONE	TYPE 2 / F1	RESTRAINED PIPING SYSTEM.
			EXP (OUTDOORS)					N/A					YES	TYPE 2 / F3	RESTRAINED PIPING SYSTEM. HEAT TRACE AS SHOWN ON DWG.
			BUR	PIP-CPVC	15200-24				N/A	N/A			NONE	SEE SPEC	PREINSULATED PIPING SYSTEM, RESTRAINED PIPING SYSTEM. FOR EXPOSED PORTION, PROVIDE SYSTEM NO. 25
HWS, HWR	HOT WATER SUPPLY AND RETURN	<=2"	EXP (INDOORS)	CU	15200-13	FL, S, W	BARE / BARE	SAFETY RED (C13)	SAFETY BLUE	BLACK	75	H	NONE	TYPE 2 / F1	RESTRAINED PIPING SYSTEM.
		>2"		STL	15200-03	FL, W	BARE / NO. 29	SAFETY RED (C13)	SAFETY BLUE	BLACK					
LOD	LUBRICATION OIL, DRAIN	ALL	EXP (OUTDOORS)	SST	15200-08	FL, S, W	BARE / BARE	N/A	RED	BLACK	75	P	N/A	N/A	RESTRAINED PIPING SYSTEM.
			EMB						N/A	N/A					
LOS	LUBRICATION OIL, SUPPLY	ALL	EXP (OUTDOORS)	SST	15200-08	FL, S, W	BARE / BARE	N/A	RED	BLACK	75	P	N/A	N/A	RESTRAINED PIPING SYSTEM.
			EMB						N/A	N/A					
NG	NATURAL GAS	ALL	EXP	STL	15200-03	FL, S, W	BARE / NO. 4	SAFETY BLUE (BR18)	ORANGE	BLACK	10	P	NONE	NONE	RESTRAINED PIPING SYSTEM, TRANSITION FROM STL TO HDPE 1 FT BELOW GRADE OR 3 IN BELOW SLAB (WICHEVER IS LOWER) WITH ANODELESS TRANSITION RISER.
NG/V	NATURAL GAS VENT	ALL	EXP	CU	15200-13	CP, FL, S, W	BARE / BARE	N/A	ORANGE	BLACK	10	P	NONE	NONE	
NPW	NON-POTABLE WATER	<4"	EXP	STL	15200-03	FL, S, GR	BARE / NO. 29	GRAY (BJ45)	SAFETY BLUE	BLACK	150	H	NONE	NONE	PROVIDE ONLY IN BASEMENT OF SOLIDS BUILDING TO MATCH EXISTING
				CU	15200-13	CP, FL, S, W	BARE / NO. 10 AND 5								RESTRAINED PIPING SYSTEM. SST REQUIRED WHERE INDICATED ON THE DRAWINGS.
			EXP (OUTDOORS)				BARE / BARE						YES	TYPE 1 / F3	
			BUR	PVC	15200-10	FL, S, W	BARE / BARE	N/A	N/A	N/A			NONE	TYPE 3 / F4	RESTRAINED PIPING SYSTEM. PROVIDE INSULATION ONLY BETWEEN FROST DEPTH AND 1 FT ABOVE GRADE.
			SUB	SST	15200-08	S, W							NONE	NONE	RESTRAINED PIPING SYSTEM.
NPW/H	NON-POTABLE WATER / HOT	<4"	ALL	CU	15200-13	FL, S, W	BARE / BARE	GRAY (BJ45)	SAFETY BLUE	BLACK	150	H	NONE	TYPE 2 / F1	RESTRAINED PIPING SYSTEM.
NPW/HR	NON-POTABLE WATER / HOT RECIRCULATION	<4"	ALL	CU	15200-13	FL, S, W	BARE / BARE	GRAY (BJ45)	SAFETY BLUE	BLACK	150	H	NONE	TYPE 2 / F1	RESTRAINED PIPING SYSTEM.
RL	REFRIGERANT LIQUID	<=3"	EXP	CU	15183	W	BARE / BARE	N/A	ORANGE	BLACK	630	P	NONE	TYPE 1 / F1	INSTALL PER EQUIPMENT MANUFACTURERS INSTRUCTIONS.
RS	REFRIGERANT SUCTION														
RSL	RECIRCULATED SLUDGE	<=4"	EXP	SST	15200-08	S, W	BARE / BARE	N/A	BROWN	WHITE	150	H	NONE	NONE	RESTRAINED PIPING SYSTEM.
		>4"	EXP	CLDI	15200-01	FL, GR	CEMENT / NO. 4	BROWN (AG12)							
SD	STORM DRAIN	ALL	BUR	PVC	02705-03	BS	BARE / SEE REMARKS	N/A	N/A	N/A	PC	PC	NONE	NONE	OUTDOOR EXPOSED PIPING REQUIRES COATING PER 09 90 00, SYSTEM NO. 25.
SS	SANITARY SEWER	ALL	BUR	PVC	02705-03	BS	BARE / SEE REMARKS	N/A	N/A	N/A	PC	PC	NONE	NONE	OUTDOOR EXPOSED PIPING REQUIRES COATING PER 09 90 00, SYSTEM NO. 25.
			EXP (INDOORS)	PVC	15200-10	W	BARE / BARE	N/A	GRAY	BLACK	PC	PC	NONE	NONE	
XX/D	DRAIN	XX=PRIMARY SERVICE (NOTE 1)													
XX/V	VENT	XX=PRIMARY SERVICE (NOTE 1)													
DSL/DF	DIGESTED SLUDGE/ DIGESTER FEED	<4"	EXP	SST	15200-08	S, W	BARE/BARE	N/A	BROWN	WHITE	150	H	NONE	NONE	RESTRAINED PIPING SYSTEM
			EXP	GLDI	15200-01	FL, GR	GLASS/NO. 4	BROWN (AG12)							
		>=4"	EMB	SST	15200-08	FL	BARE/BARE	N/A							
			BUR	GLDI	15200-01	PRJ	GLASS/POLY	N/A							

NOTES:

1. WHERE PIPING CARRIES TWO OR MORE SERVICE DESIGNATIONS, THE PIPING MATERIAL SHALL CONFORM TO THE MATERIAL OF THE FIRST SERVICE LISTED.

2. SIZES MEASURED IN INCHES
   "ALL" REFERS TO ALL SIZES
   ">" GREATER THAN
   "<" LESS THAN
   "<=" LESS THAN OR EQUAL TO
   ">=" GREATER THAN OR EQUAL TO

3. ALL: REFERS TO ALL INSTALLATIONS
   BUR: BURIED
   EMB: EMBEDDED (IN CLSM OR CONCRETE)
   EXP: EXPOSED (INDOORS OR OUTDOORS)
   SUB: SUBMERGED

4. CISP: CAST IRON SOIL PIPE
   CLDI: CEMENT LINED DUCTILE IRON
   CPVC: CHLORINATED POLYVINYL CHLORIDE
   CU: COPPER
   ELDI: CERAMIC EPOXY-LINED DUCTILE IRON
   GLDI: GLASS LINED DUCTILE IRON
   HDPE: HIGH-DENSITY POLYETHYLENE
   PIP-CPVC: PREINSULATED PIPE - CHLORINATED POLYVINYL CHLORIDE
   PIP-STL: PREINSULATED PIPE - STEEL
   PE: POLYETHYLENE
   PVC: POLYVINYL CHLORIDE
   PVC-DWV: POLYVINYLE CHLORIDE - DRAIN, WASTE, VENT
   SST: STAINLESS STEEL
   STL: STEEL (MILL TYPE)

5. SYSTEM NO.: IN ACCORDANCE WITH SPECIFICATION SECTION 09900, PAINTING AND COATING.
   CEMENT (CLDI): AWWA C104 MORTAR LINING
   EPOXY: CERAMIC EPOXY (PROTECTO 401)
   POLY: POLYETHYLENE WRAP (SEE SPEC SECTION 15200)
   TAPE: TAPE WRAP
   ~~BIO POLY: V-BIO POLYETHYLENE WRAP~~

6. PRESSURE TEST
   G: GRAVITY TEST TO HIGHEST LIQUID LEVEL THAT PIPE WILL BE SUBJECTED TO
   H: HYDROSTATIC TEST TO INDICATED PRESSURE
   P: PNEUMATIC TEST TO INDICATED PRESSURE
   PC: TEST PER CURRENT UNIFORM PLUMBING CODE

7. BAND AND LABEL PIPING PER SECTION 10400, SIGNAGE.

8. HEAT TRACING: SEE SPEC SECTION 16055

9. JOINTS AS SPECIFIED IN SECTION 15200 PROCESS PIPING - GENERAL AND IN SECTIONS REFERENCED
   FL - FLANGED
   GR - GROOVED
   BS - BELL AND SPIGOT (PUSH ON)
   MJ - MECHANICAL JOINT
   PRJ - PROPRIETARY RESTRAINED JOINT
   S - SCREWED
   W - WELDED, SOLDERED, BRAZED, GLUED, FUSION
   CP - COLD PRESS

10. INSULATION: SEE SECTION 15080
    INSULATION TYPE:
    TYPE 1: ELASTOMERIC
    TYPE 2: FIBERGLASS
    TYPE 3: FOAMGLASS
    FINISH TYPE:
    F1: PVC
    F2: ALUMINUM
    F3: FOAMGLASS

DRN: JS	ORIG DATE: AUGUST 2025
DSN: BR	DWG #: 001-G-086
CHK: DR	CAD FILE #: 001-G-086_D3704507.dwg
APPD: CM	SCALE: NTS

THIS BAR IS ONE INCH WHEN DRAWING IS FULL SCALE.

REV #	DATE	DRN	APPD	DESCRIPTION
1	10/2025			ADDENDUM 6

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

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

SHEET TITLE: GENERAL — PIPING SCHEDULE

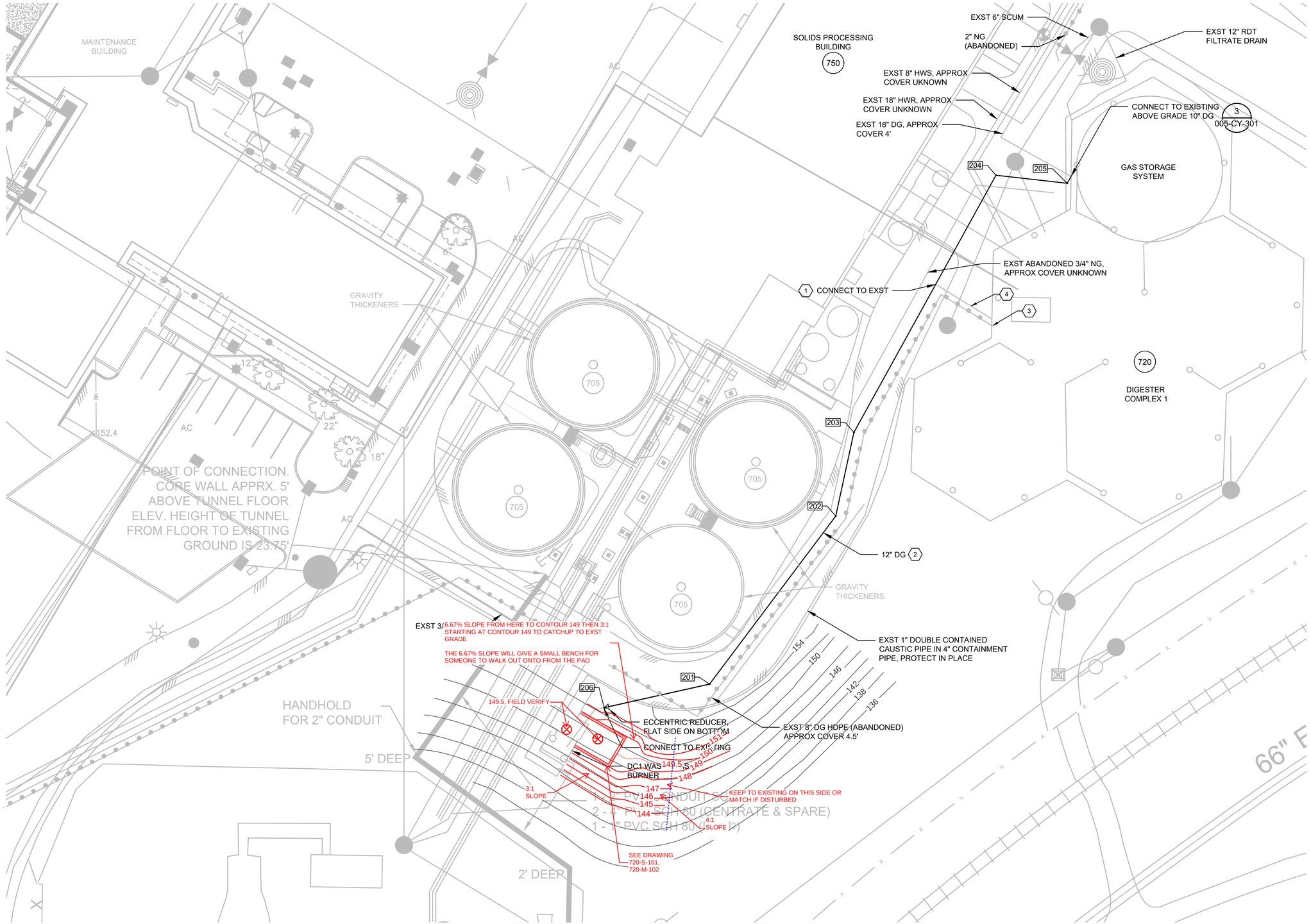
SHEET:	26 of 172
PLOT DATE:	2025-08-18
PLC #:	
CWS PROJ #:	7203

Jacobs

DWG #: 001-G-086

REGISTERED PROFESSIONAL ENGINEER 99796PE Digital Signature OREGON MAY 10, 2022 DAVID LEONARD FURRER
EXP. 12/31/25
ENGR STAMP:

FINAL DESIGN



GENERAL SHEET NOTES

1. NOTIFY ENGINEERS IF FIELD CONDITIONS VARY FROM WHAT IS SHOWN ON DRAWINGS.
2. DISPOSE OF DEBRIS OFFSITE. LIMIT OFFSITE DISPOSAL TO LOCATIONS THAT ARE APPROVED BY FEDERAL, STATE, AND LOCAL AUTHORITIES.
3. THE LOCATION OF EXISTING UNDERGROUND PIPES AND ELECTRICAL CONDUITS ARE SHOWN BASED ON THE BEST INFORMATION AVAILABLE. NO EXPLORATORY EXCAVATION HAS BEEN DONE TO VERIFY THE EXACT LOCATIONS. CONTRACTOR SHALL EXCAVATE AND LOCATE EXISTING PIPES AND ELECTRICAL CONDUITS PRIOR TO BEGINNING WORK IN AN AREA AND SHALL VERIFY THEIR LOCATION RELATIVE TO THE PLANS. THIS SHALL BE DONE IN ADVANCE OF THE WORK, SEE SPECIFICATION SECTION 01140, WORK RESTRICTIONS AND CONSTRUCTION SEQUENCE.
4. MAINTAIN EMERGENCY VEHICLE ACCESS AT ALL TIMES.
5. FOR PAVEMENT RESTORATION SEE DRAWING 005-CR-100.
6. SUPPORT AND PROTECT ALL EXISTING PIPELINES THAT ARE NOT IDENTIFIED FOR DEMOLITION DURING TRENCHING OPERATIONS.
7. FOR ALL CROSSINGS WITH LESS THAN 12" OF CLEARANCE BETWEEN PIPES, SEE 2335
8. MARK AND CAP ALL IRRIGATION PIPING AND IRRIGATION CONTROL WIRES. NOTIFY OWNER TO MAKE REPAIRS PRIOR TO BACKFILLING IN THE ROADWAY. ALL OTHER REPAIRS TO BE DONE AFTER THE PROJECT.

SHEET KEYNOTES

1. 12" x 8" ELECTROFUSION BRANCH SADDLE PER SPECIFICATION SECTION 15210. EXISTING 8" DIGESTED GAS (DG) PIPE FROM THIS POINT TO THE TIE-IN AT THE DC1 WASTE GAS BURNER SHALL BE DEMOLISHED AND REMOVED. PIPING IS NOT SHOWN AS DEMOLISHED ON THIS DRAWING FOR CLARITY. NEW 12" DG PIPE SHALL BE INSTALLED ALONG THE SAME ROUTE AS THE EXISTING 8" LINE, EXTENDING FROM DC1 TO THE DC1 WASTE GAS BURNER.
2. THE DG LINE MUST MAINTAIN A MINIMUM DOWNWARD SLOPE OF 1/8" PER FOOT FROM DC1 TOWARDS THE DC1 WASTE GAS BURNER, WITH NO HIGH POINTS ALONG THE LINE. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING PIPING WITHIN THE CORRIDOR PRIOR TO ROUTING THE DG LINE.
3. PIPE PENETRATION INTO THE FACILITY SHALL BE FILLED WITH NON-SHRINK GROUT, THEN CAP EXISTING 8" DG LINE TO DC2 AT THE FLANGE CONNECTION. DEMOLISH ABOVE-GRADE PORTION OF THE PIPE BACK INTO THE GAS ROOM. THIS 8" DG LINE IS NOW CONSIDERED ABANDONED AND MAY BE CAPPED, DEMOLISHED, AND REMOVED AS ENCOUNTERED, IF IT CONFLICTS WITH NEW WORK.
4. CONFIRM 8" DG PIPE IS SLOPING DOWN TOWARDS THE NEW 12" DG CONNECTION.

COORDINATE TABLE

POINT NO	NORTHING	EASTING	DESCRIPTION
201	639656.31	7620924.95	12" DG, 45° BEND
202	639725.46	7620976.90	12" DG, 22.5° BEND
203	639759.91	7620984.35	12" DG, 22.5° BEND
204	639865.75	7621042.83	12" DG, 67.5° BEND
205	639862.46	7621072.11	12" DG, 45° BEND
206	639646.61	7620881.58	12" x 8" REDUCER

N

0 20 40 60

SCALE IN FEET

REGISTERED PROFESSIONAL ENGINEER 100595PE Digital Signature OREGON SEPTEMBER 13, 2022 AUSTIN SITTEL

EXP. 06/30/26

ENGR STAMP:

FINAL DESIGN

DRN: BG	ORIG DATE: AUGUST 2025				
DSN: AS	DWG #: 005-CY-102				
CHK: MB	CAD FILE #: 005-CY-102_D3704507.dwg				
APPD: CM	SCALE: AS NOTED				

THIS BAR IS ONE INCH WHEN DRAWING IS FULL SCALE.

REV #	DATE	DRN	APPD	DESCRIPTION
1	10/2025			ADDENDUM 6

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

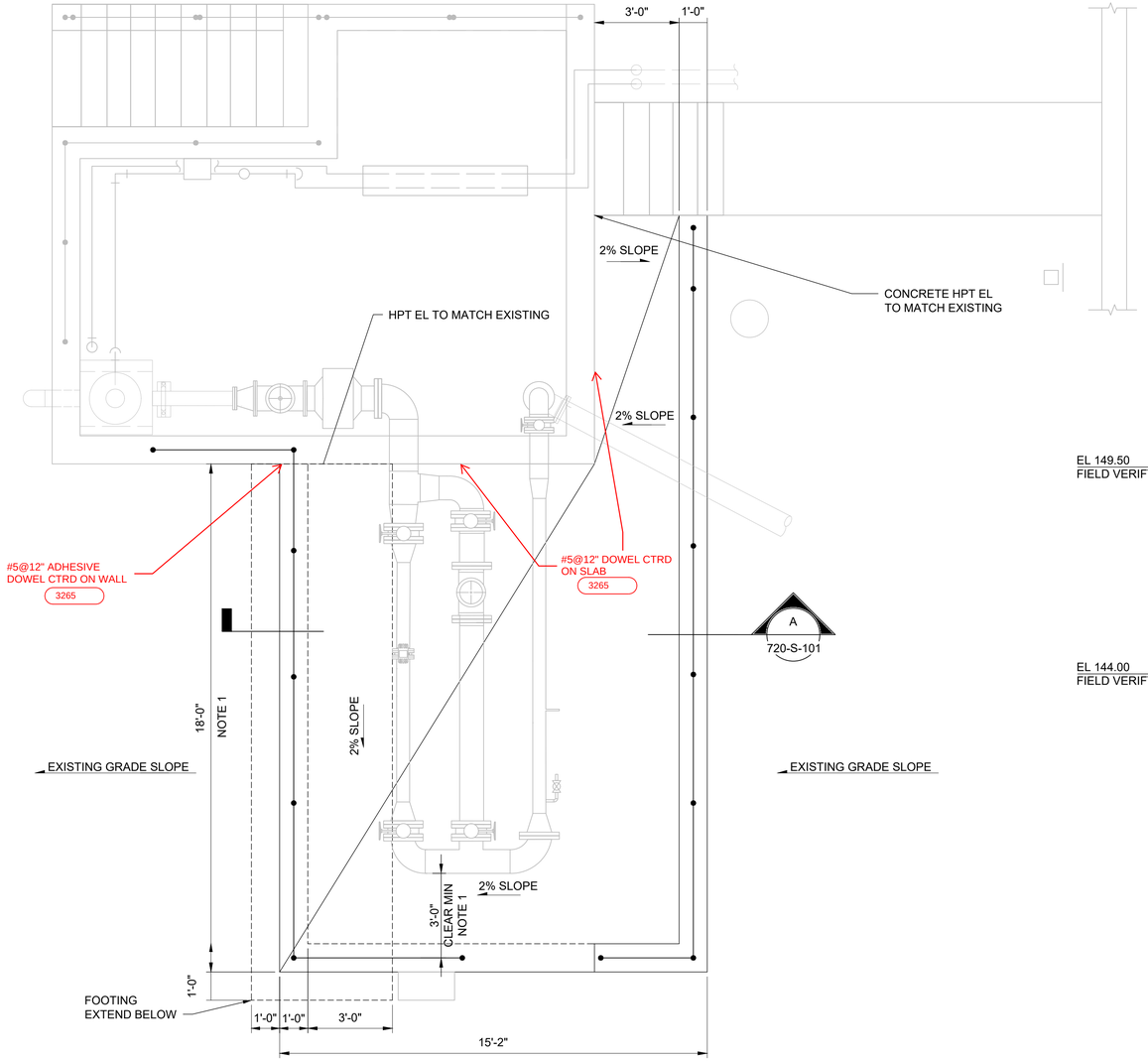
PROJ NAME:
CLEAN WATER SERVICES
DURHAM WRRF
PHASE 6B DIGESTER

SHEET TITLE:
SITE DEVELOPMENT
CIVIL
YARD PIPING PLAN
AREA 2

SHEET:	42 of 172
PLOT DATE:	2025-08-07
PLC #:	
CWS PROJ #:	7203

Jacobs.

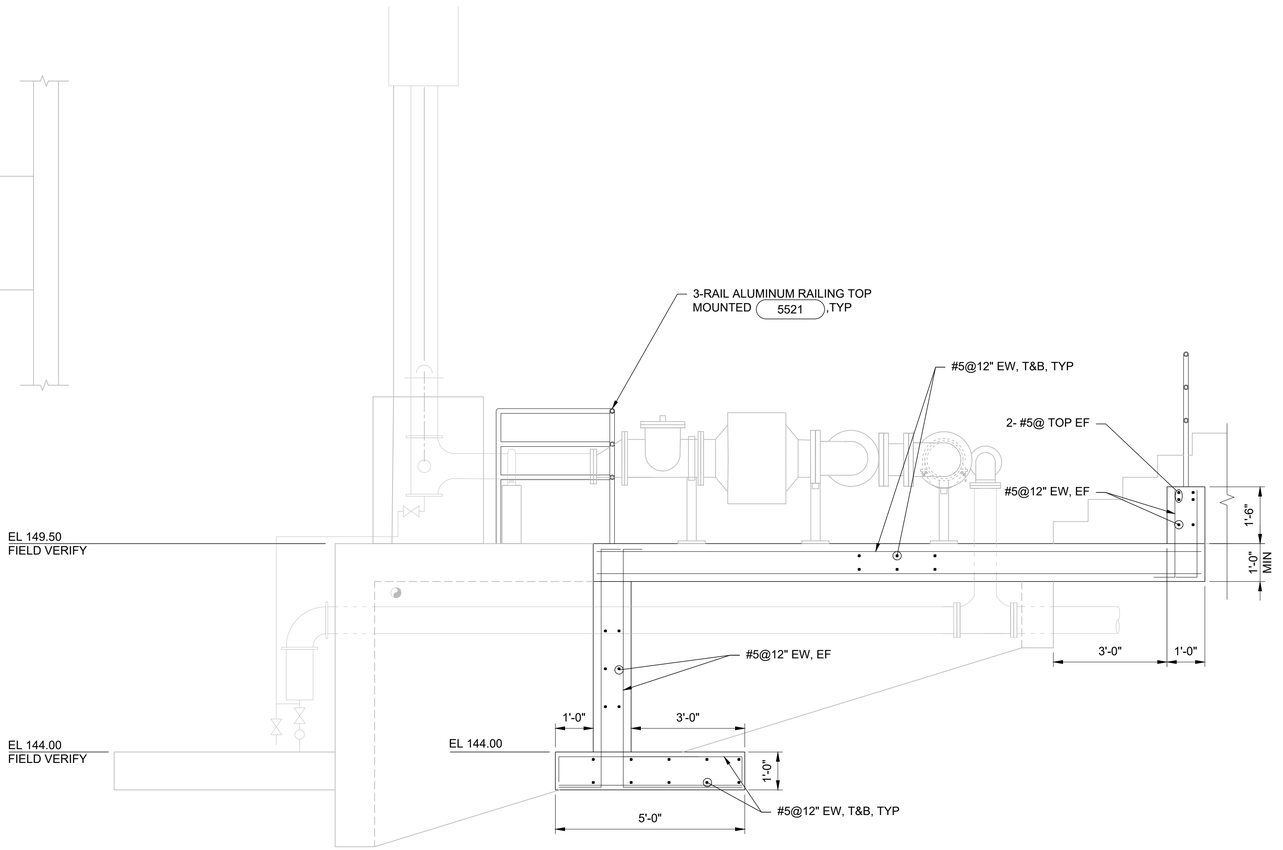
DWG #: 005-CY-102



NOTE
1. FIELD VERIFY AND COORDINATE WITH APPROVED PIPE SUBMITTAL TO ENSURE MINIMUM 3FT CLEAR ACCESS PATH.

N

PLAN
3/8" = 1'-0"



A
720-S-101

SECTION
3/8" = 1'-0"

FINAL DESIGN

DRN: KS	ORIG DATE: AUGUST 2025	THIS BAR IS ONE INCH WHEN DRAWING IS FULL SCALE.	1	10/2025			ADDENDUM 6
DSN: AF	DWG #: 720-M-102						
CHK: LF	CAD FILE #: 720-S-101_D3704507.dwg						
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 COMPLEX 1 STRUCTURAL WASTE GAS BURNER PIPING PLAN AND SECTION

SHEET: 95 of 172
PLOT DATE: 2025-08-13
PLC #:
CWS PROJ #: 7203

Jacobs
DWG #: 720-S-101

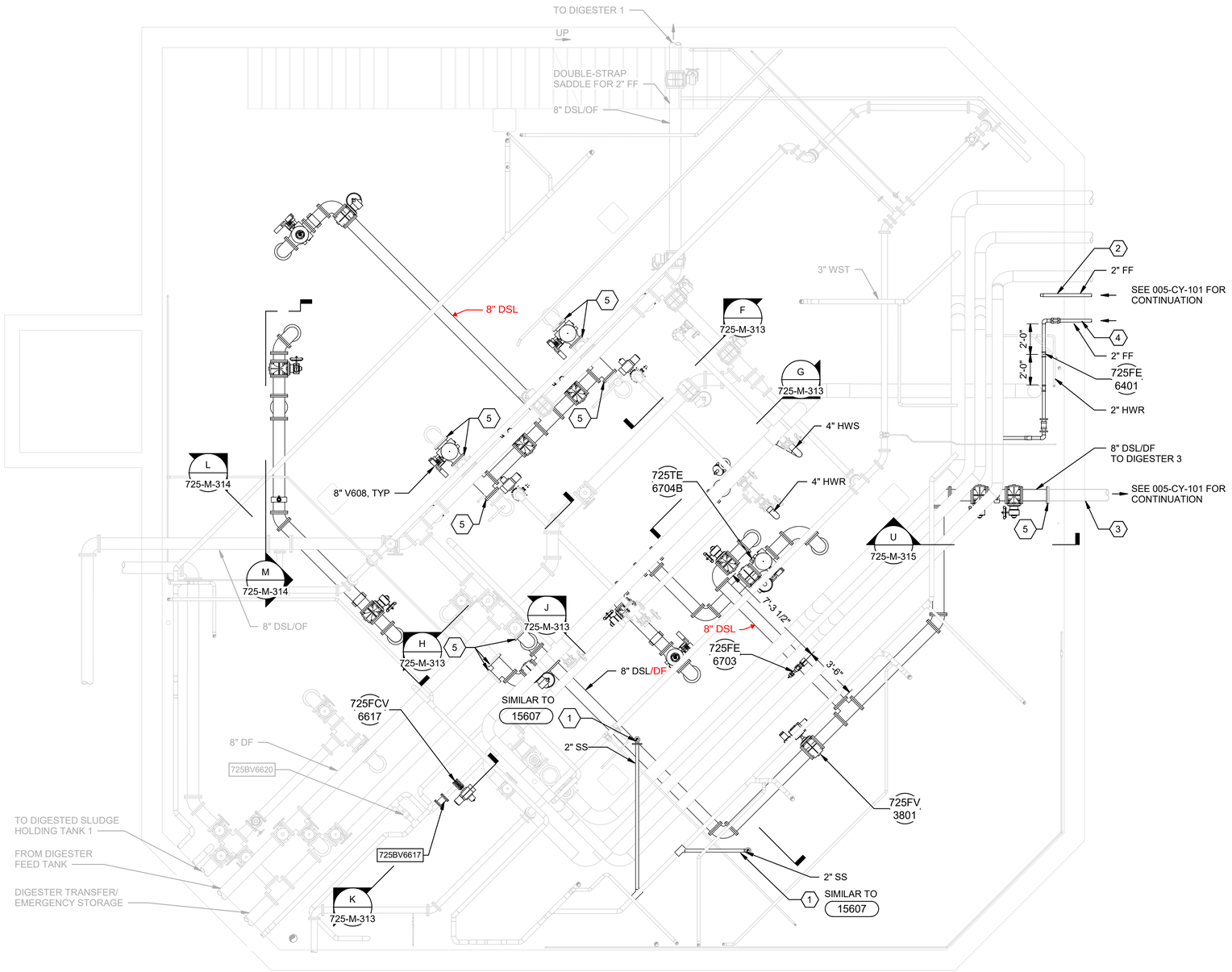
REGISTERED PROFESSIONAL ENGINEER
89107PE
Digital Signature
OREGON
JULY 11, 2025
KRISTINA MILAJ
EXP. 12-31-26
ENGR STAMP:

GENERAL SHEET NOTES

1. PIPING AND VALVES FOR SLUDGE RECIRCULATION PUMPS 3, 4 AND 6 SIMILAR TO EXISTING SLUDGE RECIRCULATION PUMPS.
2. PIPING SUPPORT SYSTEM AND LAYOUT SHALL BE SIMILAR TO EXISTING PIPING SUPPORT SYSTEM.

SHEET KEYNOTES

1. PROVIDE P-TRAP AND ROUTE UP TO HUB DRAIN SHOWN ON 725-M-312.
2. CAP END OF PIPE FOR FUTURE USE.
3. USE EXISTING 8 INCH WALL PIPE. 15601
4. 15630 LOCATE PENETRATIONS A MINIMUM OF 8" APART.
5. USE INSULATED FLANGE KIT. 13930



BASEMENT UPPER 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 6
DSN: BR	DWG # 725-M-111				
CHK: DR	CAD FILE # 725-M-z3Dn01_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

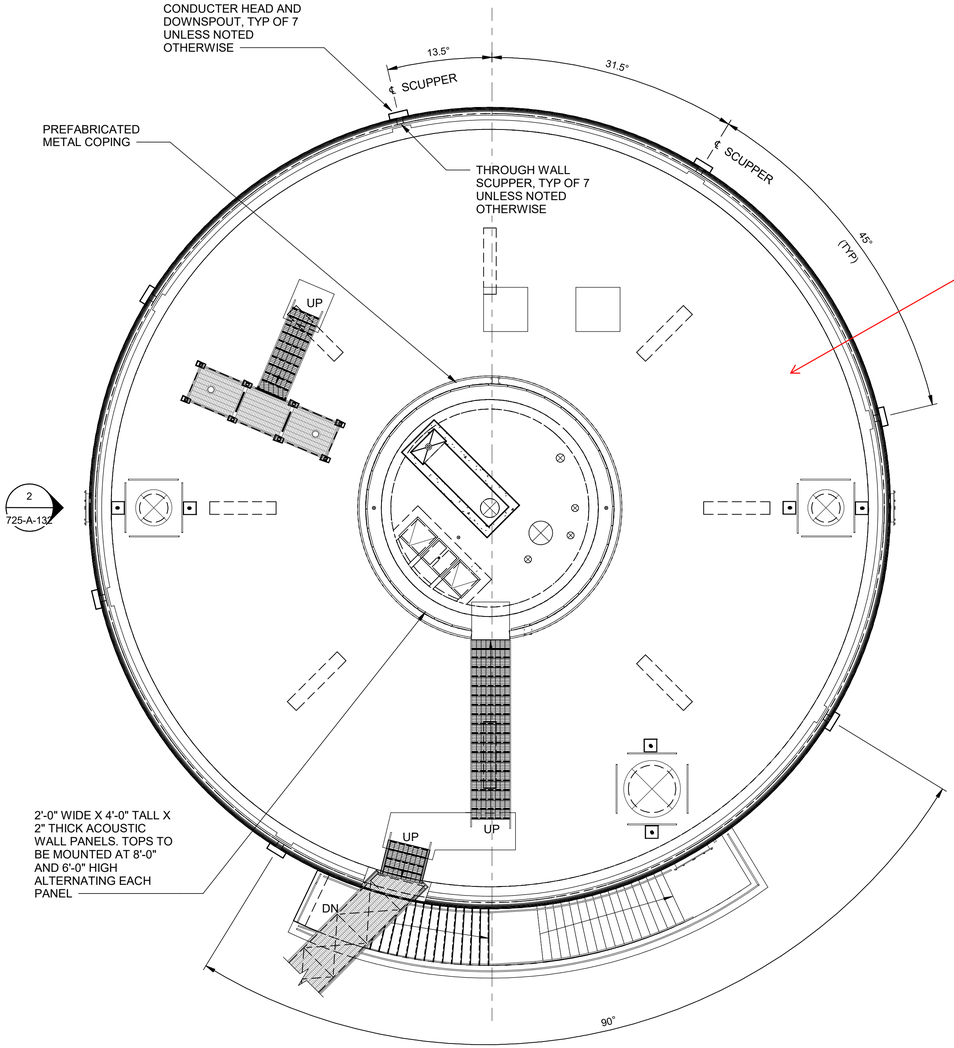
SHEET TITLE: DIGESTER COMPLEX 2 CONTROL BUILDING
PROCESS MECHANICAL
BASEMENT UPPER PLAN

SHEET: 114 of 172
PLOT DATE:
PLC #
CWS PROJ # 7203

Jacobs
DWG #: 725-M-111

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

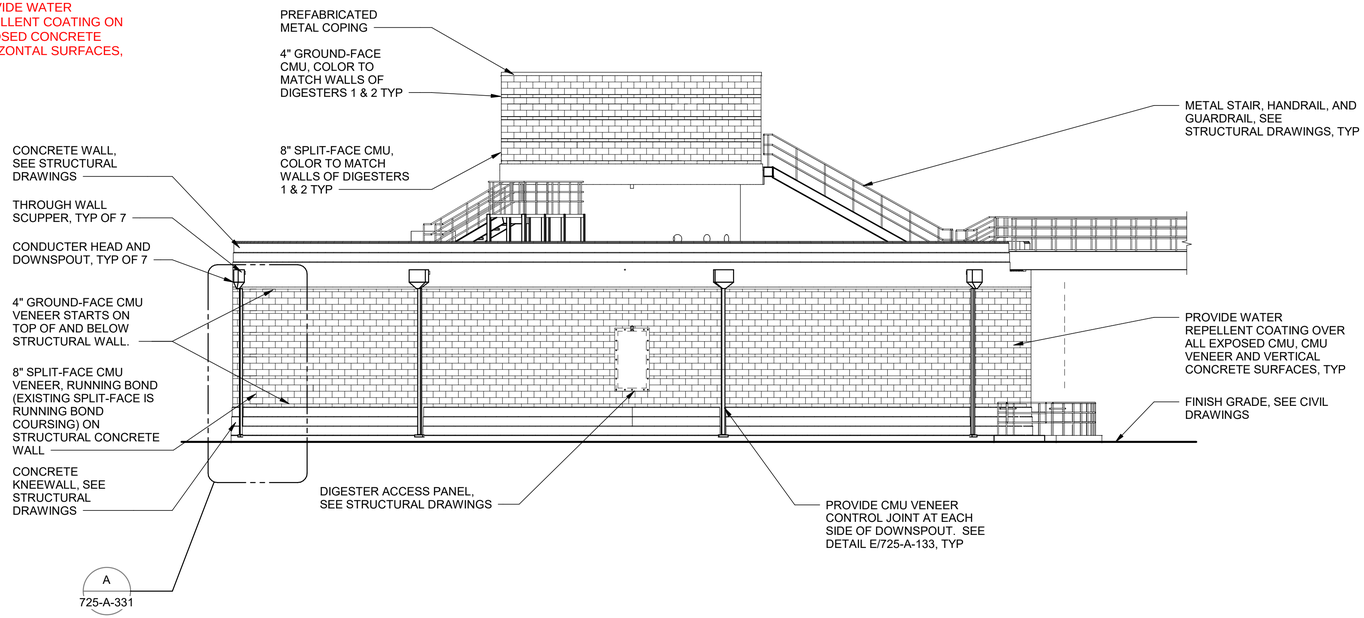
FINAL DESIGN



N

1 Roof Plan

1/8" = 1'-0"



2 DIGESTER WEST ELEVATION

725-A-132 1/8" = 1'-0"

DRN: JP	ORIG DATE: AUGUST 2025	THIS BAR IS ONE INCH WHEN DRAWING IS FULL SCALE	
DSN: JS	DWG # 725-A-132		
CHK: GK	CAD FILE # 725-A-z3Dn03_D3704507.rvt		
APPD: CM	SCALE: AS NOTED		

REV #	DATE	DRN	APPD	DESCRIPTION
1	10/2025			ADDENDUM 6

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 ROOF PLAN

SHEET:	146 of 172
PLOT DATE:	04/07/25
PLC #	
CWS PROJ #	7203

Jacobs

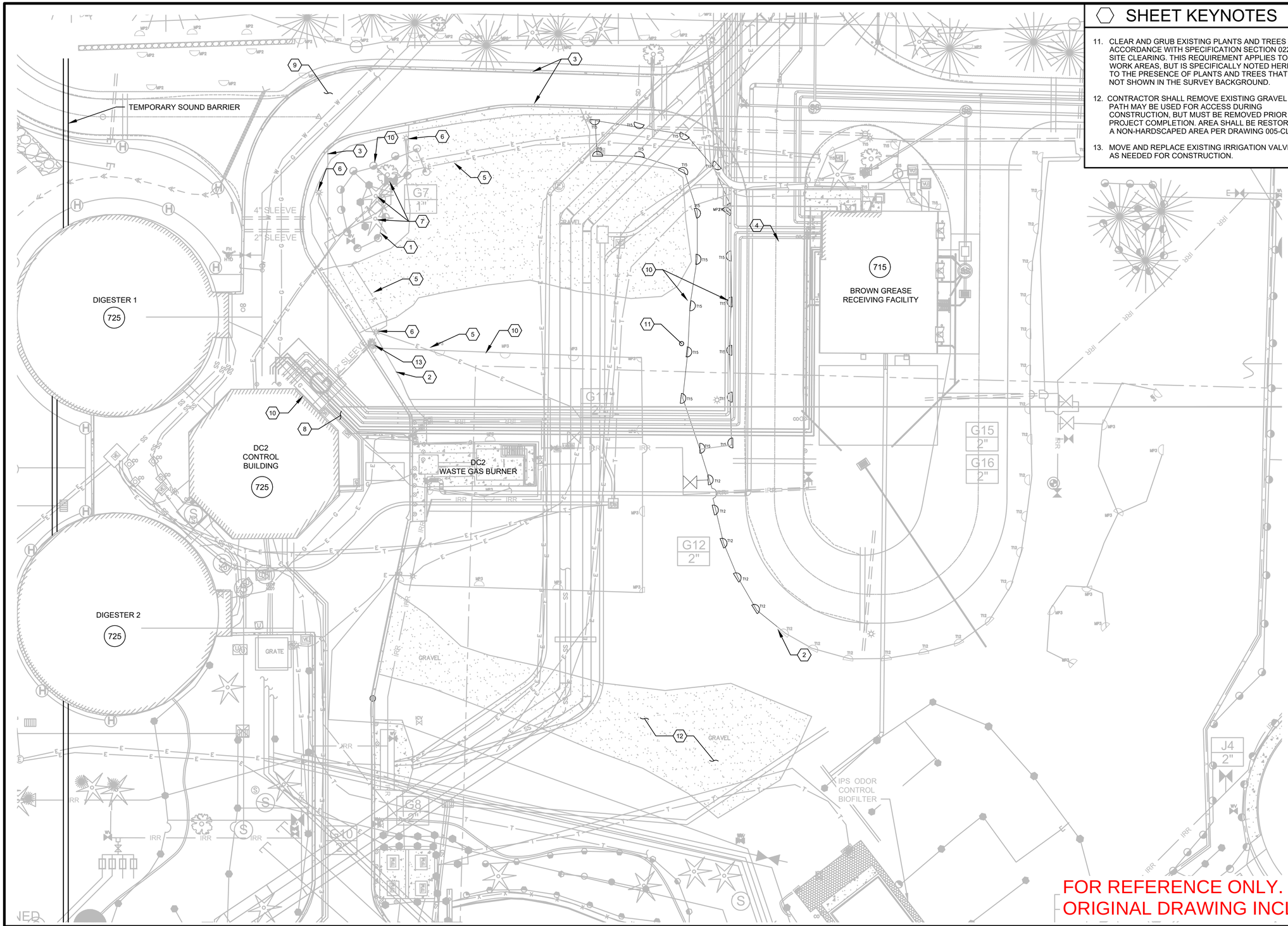
DWG #: 725-A-132

REGISTERED ARCHITECT 5141 GEOFFREY BARLOW KIRSTEN CORVALLIS, OR STATE OF OREGON

ENGR STAMP:

FINAL DESIGN

EXHIBIT B



SHEET KEYNOTES

11. CLEAR AND GRUB EXISTING PLANTS AND TREES IN ACCORDANCE WITH SPECIFICATION SECTION 02200, SITE CLEARING. THIS REQUIREMENT APPLIES TO ALL WORK AREAS, BUT IS SPECIFICALLY NOTED HERE DUE TO THE PRESENCE OF PLANTS AND TREES THAT ARE NOT SHOWN IN THE SURVEY BACKGROUND.
12. CONTRACTOR SHALL REMOVE EXISTING GRAVEL PATH. PATH MAY BE USED FOR ACCESS DURING CONSTRUCTION, BUT MUST BE REMOVED PRIOR TO PROJECT COMPLETION. AREA SHALL BE RESTORED AS A NON-HARDSCAPED AREA PER DRAWING 005-CL-101.
13. MOVE AND REPLACE EXISTING IRRIGATION VALVE BOX AS NEEDED FOR CONSTRUCTION.

GENERAL SHEET NOTES

1. NOTIFY ENGINEER IF FIELD CONDITIONS VARY FROM WHAT IS SHOWN ON DRAWINGS.
2. DISPOSE OF DEBRIS OFFSITE. LIMIT OFFSITE DISPOSAL TO LOCATIONS THAT ARE APPROVED BY FEDERAL, STATE, AND LOCAL AUTHORITIES.
3. THE LOCATION OF EXISTING UNDERGROUND PIPES AND ELECTRICAL CONDUITS ARE SHOWN BASED ON THE BEST INFORMATION AVAILABLE. NO EXPLORATORY EXCAVATION HAS BEEN DONE TO VERIFY THE EXACT LOCATIONS. CONTRACTOR SHALL EXCAVATE AND LOCATE EXISTING PIPES AND ELECTRICAL CONDUITS PRIOR TO BEGINNING WORK IN THE AREA AND SHALL VERIFY THEIR LOCATION RELATIVE TO THE PLANS. THIS SHALL BE DONE IN ADVANCE OF THE WORK, SEE SPECIFICATION SECTION 01140, WORK RESTRICTIONS AND CONSTRUCTION SEQUENCE.
4. MAINTAIN EMERGENCY VEHICLE ACCESS AT ALL TIMES.
5. CONTRACTOR SHALL PROVIDE TEMPORARY BATTERY-OPERATED IRRIGATION CONTROLLERS TO MAINTAIN SERVICE FOR ZONES THAT LOSE CONNECTION TO THE MAIN CONTROLLER DURING CONSTRUCTION.
6. FOR SURFACE RESTORATION OF PAVEMENT, SEE DWG 005-CL-101 OUTSIDE OF PAVED AREA RESTORE SURFACE TO EXISTING CONDITIONS. TRENCH WIDTH TO BE MINIMUM 24 INCHES GREATER THAN OUTSIDE DIAMETER OF PIPE, SEE (2310) .
7. SUPPORT AND PROTECT ALL EXISTING PIPELINES THAT ARE NOT IDENTIFIED FOR DEMOLITION DURING TRENCHING OPERATIONS.
8. CONTRACTOR TO REPLACE ALL DEMOLISHED TRANSITION CURBING AND PAVEMENT TO MATCH EXISTING.

SHEET KEYNOTES

1. DEMOLISH EXISTING IRRIGATION PIPING WITHIN THE INSIDE OF THE SECANT PIPE SHORING SYSTEM.
2. CUT AND CAP THE EXISTING IRRIGATION LINE, USE APPROPRIATE MATERIALS AND METHODS TO ENSURE A WATERTIGHT SEAL. MARK CAPPED END OF IRRIGATION LINE WITH 72" PURPLE RECLAIMED WATER FIBERGLASS MARKING POST.
3. DEMOLISH EXISTING TRANSITION CURB TO THE EXTENTS REQUIRED TO FACILITATE TRENCHING EFFORTS AND CONSTRUCTION OF THE SECANT PILE WALL.
4. DEMOLISH ASPHALT PAVEMENT TO THE EXTENTS REQUIRED TO FACILITATE TRENCHING EFFORTS AND CONSTRUCTION OF THE SECANT PILE WALL.
5. DEMOLISH EXISTING ELECTRICAL CONDUIT WITHIN THE INSIDE OF THE SECANT PIPE SHORING SYSTEM.
6. EXISTING SITE LIGHT, SEE ELECTRICAL DRAWING 005-E-101.
7. EXISTING TREES TO BE REMOVED.
8. EXISTING JERSEY BARRIERS ON THE NORTHEAST SIDE OF FACILITY 725 SHALL BE RELOCATED PRIOR TO CONSTRUCTION AS DIRECTED BY THE OWNER.
9. DEMOLISH ASPHALT PAVEMENT TO THE EXTENTS SHOWN.
10. DEMOLISH EXISTING IRRIGATION PIPING. PROTECT AND LABEL ALL EXISTING IRRIGATION WIRES AND PIPING TO REMAIN. CONTRACTOR TO MARK, LABEL, AND PRESERVE ALL WIRE ENDS PRIOR TO DEMOLITION ACTIVITIES FOR FUTURE RESTORATION.

N

0 20 40 60

SCALE IN FEET

FOR REFERENCE ONLY. DOES NOT SUPERSEDE ORIGINAL DRAWING INCLUDED IN ITB

DRN: BG	ORIG DATE: OCTOBER 2025	THIS BAR IS ONE INCH WHEN DRAWING IS FULL SCALE.	
DSN: AS	DWG #: 005-CY-101		
CHK: MB	CAD FILE #: 005-CD-101_D3704507.dwg		
APPD: CM	SCALE: AS NOTED		

REV #	DATE	DRN	APPD	DESCRIPTION
	10/2025			ADDENDUM 6

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

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

SHEET TITLE: SITE DEVELOPMENT CIVIL DEMOLITION PLAN AREA 1

SHEET: OF:
PLOT DATE: 2025-10-20
PLC #:
CWS PROJ #: 7203

Jacobs
DWG #: 005-CD-101

ENGR STAMP:

FINAL DESIGN