

DAILY MONITORING REPORT



PROJECT NAME: Arnold Irrigation District - MCPH2 Seg2 YR 2024 / 2025	CONTRACT NO: AID MCPH2 Piping Project
LOCATION / STA.: AID MCPH2 Segment 2	ID NUMBER: AID - MCPH2 Seg2

CONTRACTOR OR SUBCONTRACTOR: K&E Excavating, Inc.

WEATHER						NUMBER OF PERSONELL AND MAJOR EQUIPMENT																										
CLEAR	FAIR	CLOUDY	SHOWER	RAIN	SNOW	SUPERVISORS	OPERATORS	TRUCK DRIVERS	LABORERS	CARPENTER	SURVEYOR	IRON WORKERS	CRUSHER	EXCAVATOR	EXCAVATOR W/ BREAKER	BACKHOE	DOZER	LOADER	SKID STEAR LOADER	BOBCAT GRADER	ROLLER COMPACTOR	BLADE (GRADER)	TRUCK (DUMP)	TRUCK (PAY HAULER)	TRUCK (PICK-UP)	TRUCK (WATER)	CONCRETE BOOM PUMP	BOOM LIFT	FUSION WELDER	PLATE COMPACTOR		
TEMP	TO 32	32 - 50	50-70	70-83	OVER 83																											
WIND	STILL	LOW	MEDIUM	HIGH																												
HUMIDITY	DRY	LOW	MEDIUM	HIGH																												
CONTRACTOR / SUBCONTRACTOR						HOURS																										
K&E Excavating, Inc						10	1	5	1	3	3	1			5	3								3	3	1			1		1	
Santiam Steel						8							2																			

LOCATION / STA.	AND / OR DESCRIPTION OF WORK	ESTIMATED QUANTITIES		
		ITEM NO.	TOTAL TO DATE	TOTAL %
Sta. 720+00	Temporary Facilities - Staging and Mtrl Processing Area	01500	-	-
Sta. 720+00 to Sta. 867+98	Site Clearing	02230	14798	99%
Sta. 771+10 to Sta. 867+98	Survey of public monuments, const. limits, const. staking	01406	9688	65%
Sta. 786+10 to Sta. 867+98	Selective Demolition bridges and turnout structures	01732	8188	55%
Sta. 786+10 to Sta. 867+98	Trench Excavation 54-IN pipe	02300	8188	55%
Sta. 786+10 to Sta. 867+98	Pipe Install and Field Joint Electrofusion 54-IN pipe	15068	8188	55%
Sta. 803+50 to Sta. 867+98	Installed Pipe Initial Backfill and Densification	02300	6448	43%
Sta. 809+46 to Sta. 867+98	Installed HAS Turnouts + Isolation GV's + Irrigation Service Assemblies	02300	5852	39%
Sta. 817+00	Intake Structure wall form and bar	33000	10%	50%
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				-
				-

NOTES: Arrived in work zone 03-17-25 approx. 1:00 PM, departed approx. 3:30 PM

MCPH2 Seg2 Contractor continued operations at temp staging and material processing area south of China Hat Rd, approx Sta. 720+00 east of canal alignment. Temporary facilities include temp construction access ways, sanitary facilities, construction zone signage, roadway signage, and LPS base station conforming with Specification 01500. Contractor receiving / stockpiling 3/4"-0 base course aggregate per Submittal 20. Contractor processing excavation spoils to produce aggregate base product conforming to spec 02300; 1"-0 Base Course Aggregate, and 3"-0 aggregate in accordance with specification 02300 part 2.3.C Class "A" Trench Backfill. Stored mtrl includes 54-IN profile wall HDPE pipe and fittings per Submittal 16.1 - Krah HDPE Pipe Rev.2. Other stored mtrl includes; meter boxes and lids per Submittal 06 + American Flow Control gate valves per Submittal 04 + 36-IN HDG Class B blind flanges for cleanout asslys.

Contractor continued construction staking MCPH2 Seg2 , approximately 65% complete. Construction staking conforming to Specification 01406 - Construction Staking. Locate and preservation of public monuments by Contractor in process.

Contractor conducted utility locate and utility coordination Sta. 720+75 China Hat Rd, Sta. 753+50 Knott Rd, and Sta. 790+75 Woodside Rd. Communications between Contractor and public / private utilities ongoing. Deschutes County and City of Bend roadway permits MCPH2 pipe crossings posted. Woodside Rd temporary surfacing in place. Contractor has posted traffic control devices, gravel surface, bump..

PREPARED BY: David C. Prull - Clearwater Eng Grp	SHIFT: Day	S	M	<input checked="" type="checkbox"/>	T	W	T	F	S	DATE: 3/17/2025
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USE BACK FOR ADDITIONAL NOTES - SEE BACK



ADDITIONAL NOTES:

Contractor has substantially completed selective demolition of pedestrian bridges and irrigation turnout head gate structures approx Sta 786+10 to Sta. 867+98. Selective demo ongoing as pipe trench excavation progresses westbound. Selective demolition completed to date includes removal of culvert structure undercrossing Woodside Rd Sta. 790+75, public roadway crossing MCPH2 pipeline. Public roadway open with temporary gravel surface restoration. Temp gravel surface signed per City of Bend roadway access permit. Placement and densification of Type B trench backfill Sta. 790+75. Type B Trench backfill density test results Sta. 790+75 pending publication.

Contractor completed foundations for Intake Structure Sta. 718+00, template set 60-IN ID HDPE entrance pipe spool with seep ring, and is in process of erecting formwork and setting reinforcing steel for walls. Foundation slab dimensions as shown Dwg SD4, elevations as directed CO 01 - Intake Structure Location. Reinforcing steel per Drawing details SD1, SD2, SD3, and SD4. Reinforcing steel in accordance with approved Submittal 024.2 - Inlet Structure Rebar Dwgs R3. 60-IN ID HDPE entrance pipe spool per approved Submittal 16.1 - Krah HDPE Pipe Rev.2. Spool pipe template set at Intake Structure headwall as shown Drawings SD2 and SD4 (Photos).

Contractor continued pipe trench excavation for installation 54-IN ID Profile Wall HDPE pipe and fabricated fittings. Trench excavation in progress approx Sta. 786+10 westbound. Excavation in approx 1 foot sandy silt and gravel with broken rock, underlain by hard rock. Trench excavation on line and grade per Drawing Sheet 14 of MCPH2, Seg2 Drawings. Work in accordance with spec 02300 - Earthwork.

Contractor continues placement and grading pipe bedding material for installation 54-IN Profile Wall HDPE. Pipe bedding material placement, final grading, and compaction in progress approximate Sta. 786+10 westbound. Pipe bedding material; 3/4"-0 Aggregate On-site Processed per approved Submittal 25 in accordance with spec 02300 - Earthwork. Contractor finish grading pipe bedding material using laser level take-off from constructions staking hubs. Densification of pipe bedding material provided with medium weight vibratory plate.

Contractor continues installation 54-IN ID profile wall HDPE pipe by Krah USA. Pipe materials conforming with specification 15068 and approved submittal 16.1 - Krah HDPE Pipe Rev.2. Electro-fusion of field pipe joints with IntegriFuse Electrofusion Processor Serial No. 00653, 00657, 00665, and 00667. Field welded pipe joints subject to air pressure testing; 25 psig, 5 minutes, PASS criteria: no pressure loss. Air testing of completed field joints in accordance with pipe manufacturers written instructions. Electro-fusion data and air pressure test data recorded and posted to the project record. Installation of 54-IN ID RSC400 pipe in progress approximate Sta. 786+10 westbound.

CEG conducted QA pipe slope measurement interior to installed 54-IN profile wall HDPE pipe using 4-ft smart level at pipe flow line. Sta. 786+40 slope = -0.1% (easterly) as measured on pipe interior flow line. Sta. 788+500 slope = 0.0% (level) as measured on pipe interior flow line (Photos). QA pipe slope measurement in general accord with pipe profile Sheet 14, design slope = -0.089%. (Photos).

Contractor placed Type B Trench backfill material at 54-IN ID profile wall HDPE pipe installed Sta. 790+75 at public roadway crossing (Woodside Road). Type B trench backfill material 3/4"-0 Base Course Aggregate per approved Submittal 020 - Aggregate Base 3/4"-0 State Spec in accordance with specification 02300 - Earthwork. Densification of pipe trench final backfill to 95% maximum dry density modified Proctor, AASHTO T-180. Type B trench backfill density test results Sta. 790+75 pending publication.

Contractor has initiated installation HAS turnouts MCPH2 Seg2 pipe, irrigation service assembly isolation butterfly valves, and irrigation service assemblies per Drawing details 3/D1, 5/D1, and 7/D1. HAS fittings materials and installation procedures conforming with specification 15068 and approved submittal 16.1 - Krah HDPE Pipe Rev.2. CEG verified 4-IN HAS stubout for irrigation service assembly 1-40162 Sta. 863+18.

On-site discussions with field foreman, site superintendant Tanner;

- 1) Install MCPH2 Seg pipe with 24" width btwn pipe and trench sidewall to afford specified densification of pipe zone backfill material.

Action Items / Items for Further Discussion:

- 1) Selective demo, protect-in-place weir boxes to remain, maintain access at vehicular bridge removed, salvage items where noted on Dwgs.
- 2) Krah pipe pressure rating certification document submittals required.
- 3) Type B Trench backfill density testing results private access way and public roadway crossings MCPH2 Seg2 pipeline.

PHOTOGRAPHS:



AID MCPH2 - Sta 718+00 Intake Structure wall form and wall reinforcing steel in process (1) 03-17-25



AID MCPH2 - Sta 718+00 Intake Structure wall form and wall reinforcing steel in process (2) 03-17-25



AID MCPH2 - Sta 718+00 Intake Structure wall form and wall reinforcing steel in process (3) 03-17-25



AID MCPH2 - Sta 718+00 Intake Structure wall reinforcing steel, outside wall, #8 @ 7 OF DOWEL + #5 @ 12 IF DOWEL + #5 @ 12 VERT (1) 03-17-25



AID MCPH2 - Sta 718+00 Intake Structure wall reinforcing steel, outside wall, #8 @ 7 OF DOWEL + #5 @ 12 IF DOWEL + #5 @ 12 VERT (2) 03-17-25



AID MCPH2 - Sta 718+00 Intake Structure wall reinforcing steel, weir wall, #5 @ 18 HOR + #5 @ 16 VERT 03-17-25



AID MCPH2 - Sta 718+00 Intake Structure wall reinforcing steel, weir wall slope, #7 @ 8 VERT 03-17-25



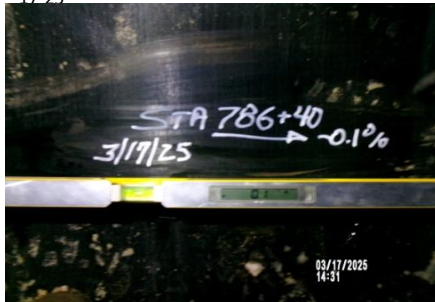
AID MCPH2 - Sta 718+00 Intake Structure wall reinforcing steel, weir wall typ, #5 @ 16 VERT 03-17-25



AID MCPH2 - Sta 718+00 Intake Structure wall reinforcing steel, weir wall at blockout, #5 @ 18 HOR + #5 @ 16 VERT + (1) add ea side + top 03-17-25



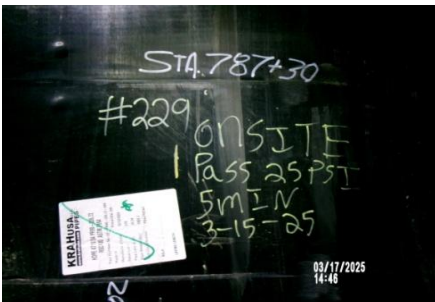
AID MCPH2 - Sta 786+10 54-IN ID profile wall HDPE pipe install and field joint fusion 03-17-25



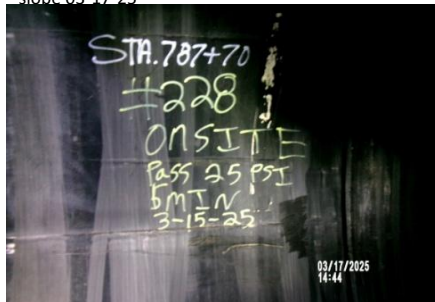
AID MCPH2 - Sta 786+40 54-IN ID profile wall HDPE pipe QA pipe slope measurement -0.1% slope 03-17-25



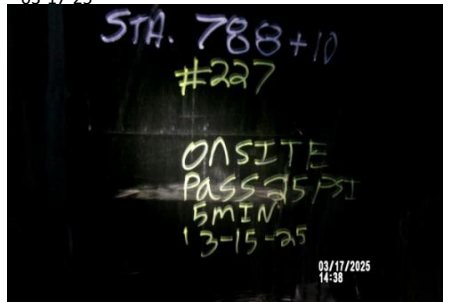
AID MCPH2 - Sta 787+00 54-IN ID profile wall HDPE pipe field joint air pressure test equipment 03-17-25



AID MCPH2 - Sta 787+30 54-IN ID profile wall HDPE pipe field joint #229 air pressure test PASS 03-17-25



AID MCPH2 - Sta 787+70 54-IN ID profile wall HDPE pipe field joint #228 air pressure test PASS 03-17-25



AID MCPH2 - Sta 788+10 54-IN ID profile wall HDPE pipe field joint #227 air pressure test PASS 03-17-25

PHOTOGRAPHS:



AID MCPH2 - Sta 788+00 54-IN ID profile wall HDPE pipe QA pipe slope measurement 0.0% level 03-17-25



AID MCPH2 - Sta 791+00 Woodside Road Type B Trench backfill + temp gravel surface access 03-12-25



AID MCPH2 - Sta 791+00 right Woodside Road temp gravel surface access 03-12-25



AID MCPH2 - Sta 863+18 4-IN HAS turnout to 1-40162, 4-IN Irrig Service Assly 03-13-25



AID MCPH2 - Meltric DSN30 recepticle 03-13-25



AID MCPH2 - Electrical Equipment Skid 03-13-25