

ADDITIONAL NOTES:

Contractor substantially completed site clearing operations approximate Sta 720+00 to Sta. 867+98 east. Site clearing conforming with Specification 02230 - Site Clearing. Stump removal concurrent with pipe trench excavation and restoration.

Contractor has substantially completed utility locate and coordination of utility relocate 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. Avion Water and Roats Water utilities reportedly complete with block valve installation AID MCPH2 pipe crossings Knott Rd and Woodside Rd. Cascade Natural Gas high pressure gas lines west side of Knott Rd and north side of China Hat Rd potholed and located, no conflicts with planned MCPH2 pipeline. Other utilities to be protected in place. Deschutes County and City of Bend roadway permits for AID MCPH2 Seg2 pipe crossings have been received.

Contractor continues selective demolition of pedestrian bridges and irrigation turnout head gate structures approximate Sta 720+00 to Sta. 867+98 east as pipe trench excavation progresses westbound. Selective demolition complete includes removal of bridge structure Sta. 847+50, private access way crossing MCPH2 pipeline. Temporary access to private property provided with access way backfill to travel grade. Utilities associated with the subject bridge crossing are protected-in-place. Selective demolition in general accordance with Specification 01732 - Selective Demolition. (Photo)

Contractor continues pipe trench excavation for install 54-IN ID Profile Wall HDPE pipe and fabricated fittings. Trench excavation complete to approximate Sta. 847+60. Trench excavation in progress approximate Sta. 847+60 westbound. Excavation in sandy silt and broken rock. Trench excavation on line and grade as shown Drawing Sheet 19 of MCPH2, Segment 2 Drawings. Work in accordance with specification 02300 - Earthwork.

Contractor continues placement and grading pipe bedding material for installation 54-IN Profile Wall HDPE. Pipe bedding material placement and grading complete to approximate Sta. 847+60 westbound. Pipe bedding material placement, final grading, and compaction in progress approximate Sta. 847+60 westbound. Pipe bedding material; 3/4"-0 base course aggregate per approved Submittal 20 in accordance with specification 02300 - Earthwork. Contractor checking finish grade pipe bedding material using laser level take-off from constructions staking hubs. Densification of subgrade and pipe bedding material provided with medium weight vibratory plate.

Contractor continues installation 54-IN ID profile wall HDPE pipe by Krah USA. Material in conformance with specification 15068 and approved submittals. Electro-fusion of field joints by Contractor. Field electro-fusion of pipe joints with weld machines Serial No. 00667 and No. 00654. 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 (Photo). 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. 849+23 westbound. (Photos)

Conducted slope measurement installed 54-IN profile wall HDPE pipe using 4-ft smart level at pipe flow line. Slope -0.20% (East) measured on pipe interior flow line Sta. 850+00. QA pipe slope measurement in general accord with pipe profile Sheet 19, design slope = -0.05%. (Photo)

Contractor continued placement and densification of pipe zone backfill 54-IN ID profile wall HDPE pipe. Observed placement of purple tracer wire directly over the crown of installed pipe. Tracer wire product per approved Submittal 03 and spec Section 02300. Provisions made for tracer wire turnout to marking post in accordance with Drawing Dtl 1/D1 and 4/D2. Pipe zone material; 3/4"-0 Base Course Aggregate per approved Submittal 020 - Aggregate Base 3/4"-0 State Spec. Pipe zone material placed in approximate 1 foot lifts and machine manipulated into intimate contact with the pipe in the pipe haunch zone. Compaction provided with backhoe mounted sheeps foot roller. Placement and densification work in progress approximate Sta. 852+50 westbound. (Photo.)

Contractor continued placement Type A trench backfill material of 54-IN ID profile wall HDPE pipe Type A trench approximate Sta. 855+00 westbound. Type A trench backfill material (final backfill) 3/4"-0 Base Course Aggregate per approved Submittal 020 - Aggregate Base 3/4"-0 State Spec in accordance with specification Section 02300. Densification of pipe trench final backfill provided with large smooth drum roller. Noted installation detectable tape over pipe centerline approximately 18-inches above top crown. Detect tape in accordance with specification Section 23000 and approved Submittal 03.

Conducted ovality measurement installed 54-IN profile wall HDPE pipe using tape measure vertical and horizontal axis Sta. 854+75; vertical 54-0/0" horizontal 54-1/8", after backfill. Reference specification 02300 and 15068 for ovality criteria; 1% of pipe diameter = 1/2", ovality measurement Sta. 854+75 within allowable deflection limits, after backfill. (Photo.)

Noted private water utility overcrossing MCPH2 pipeline Sta. 850+80, and (2) x 3-IN private water utilities overcrossing MCPH2 pipeline Sta. 848+00. Abandoned in place private irrigation utilities identified Sta. 850+25 and Sta. 847+90. (Photos).

On-site discussions with field foreman, Craig;

- 1) Pipe entry under Contractor established confined space program, routine air monitoring of pipe interior provided in the work zone.
- 2) Pipe pre-heating prior to field joint welding conducted in accordance with pipe manufacturers instructions.
- 3) Contractor QC includes air pressure testing all field joints 25 psi, 5 minutes, no pressure loss accepted.
- 4) Contractor QC includes pipe slope measurement on flow line of installed pipe. Mark measured slope on the pipe flow line, corrective action required any location with reverse pitch.
- 5) Protect-in-place private utilities and improvements as indicated on the plan. Other private utilities encountered in the course of the work to be protected-in-place or removed / replaced in kind, coordinate with the utility owner.

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) Utility locate, utility coordination, temp. traffic control plans at unmarked private utility crossings and existing access ways.
- 3) Krah pipe revised lay drawings and warranty document submittals required.

PHOTOGRAPHS:



AID MCPH2 Seg2 - Sta. 855+00 54-IN ID profile wall HDPE pipe, Type A trench backfill + detect tape 01-20-25



AID MCPH2 Seg2 - Sta. 852+50 54-IN ID profile wall HDPE pipe, pipe zone backfill and compaction 01-20-25



AID MCPH2 Seg2 - Sta. 851+50 54-IN ID profile wall HDPE pipe installed 01-20-25



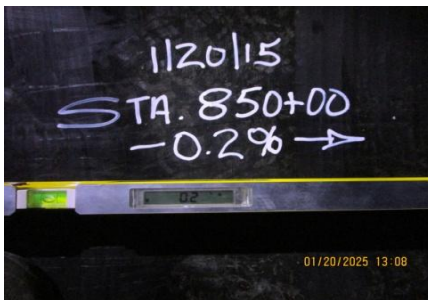
AID MCPH2 Seg2 - Sta. 850+80 existing private water 1-1.4-IN Pex, protect-in-place 01-20-25



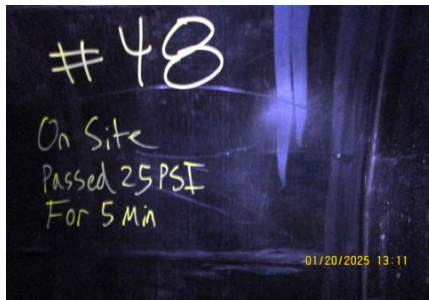
AID MCPH2 Seg2 - Sta. 850+25 private irrigation and electrical, abandoned in place 01-20-25



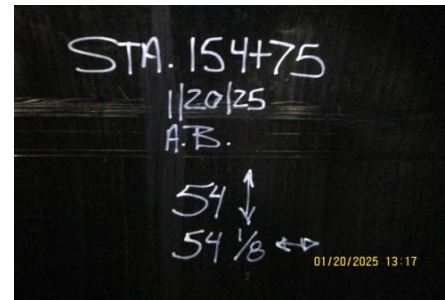
AID MCPH2 - Sta 849+75 54-IN ID profile wall HDPE pipe field joint welding provisions 01-20-25



AID MCPH2 - Sta 850+00 54-IN ID profile wall HDPE pipe QA slope measurement -0.2% slope 01-20-25



AID MCPH2 - Sta 850+25 54-IN ID profile wall HDPE pipe field joint #48 air pressure test PASS 01-20-25



AID MCPH2 - Sta 854+75 54-IN ID profile wall HDPE pipe QA ovality measurement after backfill 01-09-25



AID MCPH2 - Sta 854+00 54-IN ID profile wall HDPE pipe QA interior after backfill 01-09-25



AID MCPH2 Seg2 - Sta. 848+00 existing (2) x 3-IN private water protect-in-place, abandon in place existing irrigation water and power 01-20-25



AID MCPH2 Seg2 - Sta. 847+50 existing bridge and abutments removed, temp access provided 01-20-25



AID MCPH2 Seg2 - Sta. 847+50 existing private water and communication utilities, protect-in-place 01-20-25



AID MCPH2 Seg2 - Sta. 849+50 irrigation weir box and private electrical, protect in place 01-20-25

PHOTOGRAPHS:



AID MCPH1 - Sta. 1067+09 Warranty Issue 01 36-IN coupler install (1) 01-20-25



AID MCPH1 - Sta. 1067+09 Warranty Issue 01 36-IN coupler install (2) 01-20-25



AID MCPH1 - Sta. 1067+09 Warranty Issue 01 36-IN coupler install (3) 01-20-25



AID MCPH1 - Sta. 1067+09 Warranty Issue 01 36-IN coupler install (4) 01-20-25



AID MCPH1 - Sta. 1067+09 Warranty Issue 01 36-IN coupler install (5) 01-20-25



AID MCPH1 - Sta. 1067+09 Warranty Issue 01 36-IN coupler install (6) 01-20-25



AID MCPH1 - Sta. 1067+09 Warranty Issue 01 36-IN coupler install (7) 01-20-25



AID MCPH1 - Sta. 868+13 892+80 900+20 Warranty Issue 02 4-IN Ball Valve Install 01-20-25