

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 taking place concurrent with pipe trench excavation.

Contractor continues utility locate and, as needed, coordination of utility relocate Sta. 720+75 China Hat Road, Sta. 753+50 Knott Road, and Sta. 790+75 Woodside Road. Communications between Contractor and public / private utilities in process. Avion Water utility is installing block valves on existing 20-IN water pipe east side of Knott Road, north and south of the MCPH2 Seg pipe alignment. Cascade Natural Gas high pressure gas lines west side of Knott Road and north side of China Hat Road potholed and located, no conflicts with MCPH2 pipeline.

Contractor has completed selective demolition of pedestrian bridges and irrigation turnout head gate structures approximate Sta 720+00 to Sta. 867+98 east. Selective demolition complete includes removal of bridge structure Sta. 864+60, Corral Road crossing MCPH2 pipeline. Utilities associated with the subject bridge crossing are protected-in-place. Selective demolition in general accordance with Specification 01732 - Selective Demolition.

Contractor has substantially completed construction of embankment fill MCPH2 Sta. 816+50 to Sta 823+50.. Ref. Drawing Sheets 16 and 17 for layout. Ref. Drawing Sheet 27 for planned embankment fill sections. Ref. specification Section 02300 - Earthwork for key construction and embankment fill requirements. Embankment fill above the key constructed using 1.5-IN crushed aggregate placed in level, 1-foot lifts on terraced ground, densified with sheep-foot roller. Contractors QC density testing of embankment fill in accordance with specification Section 02300, Part 3.12 - Earth Fill / Embankment Fill. Contractor QC density test results complete, pending submittal.

Contractor is engaged in pipe trench excavation for install 54-IN ID Profile Wall HDPE pipe. Trench excavation complete from approximate Sta. 866+00 to Sta. 867+98. Trench excavation in progress approximate Sta. 866+00 west. Excavation in sandy silt and broken rock. Trench excavation on line and grade as shown Drawing Sheet 20 of MCPH2, Segment 2 Drawings. Work in accordance with specification 02300 - Earthwork. Photo.

Contractor engaged in placement and grading of pipe bedding material for installation 54-IN Profile Wall HDPE. Pipe bedding material placement and grading complete approximate Sta. 866+00 to Sta. 867+98. Pipe bedding placement, final grading, and compaction in progress approximate Sta. 866+00 west. Pipe bedding material; 3/4"-0 crushed aggregate conforming 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 by jumping jack tamper.

Contractor has initiated installation 54-IN ID profile wall HDPE pipe by Krah USA. Material in conformance with specification 15068 and approved submittals. Electrofusion of field joints Krah USA pipe by Contractor. Field fusion standard pipe joints with weld machine (not recorded). Fusion data and air pressure test data recorded. Installation of 54-IN ID RSC400 pipe in progress approximate Sta. 866+55 heading west. (2) field welded pipe joints subject to air pressure testing; 25 psig, 5 minutes, no pressure loss. Air testing of completed field joints in accordance with pipe manufacturers written instructions. Discussed with Contractor; air pressure test duration is 5 minutes minimum, no loss of air pressure allowed for acceptable field welded pipe joint.

Conducted slope measurement installed 54-IN profile wall HDPE pipe using 4-ft smart level at pipe flow line. Slope -1.6% (East) measured on pipe interior Sta. 866+75. QA pipe slope measurement in general accord with pipe profile Sheet 20, design slope = -1.59%. Photo.

Conducted ovality measurement installed 54-IN profile wall HDPE pipe, prior to backfill, using tape measure vertical and horizontal axis Sta. 866+95; vertical 54-1/8" horizontal 54-0/0", before backfill. Reference Specification 02300 and 15068 for ovality criteria; 1% of pipe diameter = 1/2", ovality measurement Sta. 866+95 within allowable deflection limits, prior to backfill. Photo.

On-site discussions with field superintendent, Craig;

- 1) Air test requirement for electrofusion jointing Krah pipe, joints completed in field; 25 psi, 5 minutes, no loss of pressure.
- 2) Results of air pressure test of field joints to be recorded on the pipe joint in the field and on QC reporting form to be submitted.
- 3) Maintain pipe interior clean, free of dirt and debris in completed and approved pipe segments.
- 4) Krah pipe is to be delivered, stored, handled, and fused in accordance with pipe manufacturers written instructions. Bel ends to be wrapped in protective covering during shipment and handling.

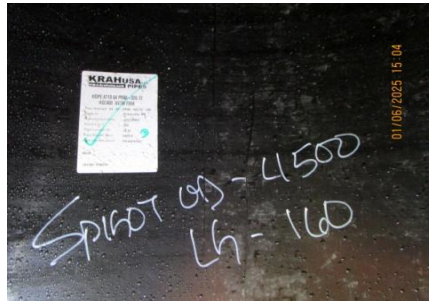
Action Items / Items for Further Discussion:

- 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, and permit acquisition where required by City of Bend/ Deschutes County.
- 3) Pipe bedding material, and Type A / Type B trench backfill material submittals required.
- 4) Krah pipe revised lay drawings and warranty document submittals required.

PHOTOGRAPHS:



AID MCPH2 - 54-IN ID profile wall HDPE, RSC400, PE4710, ASTM F894 (1) 01-06-25



AID MCPH2 - 54-IN ID profile wall HDPE, RSC400, PE4710, ASTM F894 (2) 01-06-25



AID MCPH2 - Sta. 867+97 54-IN pipe, POC point-of-connection ex. 54-IN pipe 01-06-25



AID MCPH2 - Sta 866+00 54-IN pipe trench excavation + placement pipe bedding material + pipe setting 01-06-25



AID MCPH2 - Sta. 866+58 54-IN pipe construction staking, cut to invert 7.51-FT 01-06-25



AID MCPH2 - Sta. 866+55 54-IN pipe, pipe setting + grade check in process 01-06-25



AID MCPH2 - Sta. 866+93 54-IN pipe, field joint electrofusion in process 01-06-25



AID MCPH2 - 54-IN pipe, internal joint expander 01-06-25



AID MCPH2 - 54-IN pipe, air test equipment 01-06-25



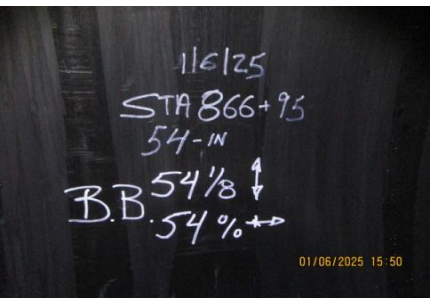
AID MCPH2 - Sta 867+97 POC existing 54-IN pipe, field weld #1, air test results 01-06-25



AID MCPH2 - Sta 867+45 POC existing 54-IN pipe, field weld #2, air test results 01-06-25



AID MCPH2 - Sta. 866+75 54-IN pipe, QA pipe slope measure 01-06-25



AID MCPH2 - Sta. 866+95 54-IN pipe, QA quality measure before backfill 01-06-25



AID MCPH2 - Sta 817+50 embankment fill complete 1.5-IN minus 01-06-25



AID MCPH2 - Stored Mtrl 54-IN RSC400 profile wall pipe and fittings (1) 01-06-25

PHOTOGRAPHS:



AID MCPH2 - Stored Material 54-IN RSC400 profile wall pipe and fittings (2) 01-06-25



AID MCPH2 - Stored Material; meter boxes + valve riser pipe 01-06-25



AID MCPH2 - Stored Material; gate valves + meter boxes 01-06-25