

Mandatory Pre-Bid Meeting
Highland Avenue Main Replacement

TMWA Project Numbers 04-204
Public Works Project Number WA-2011-219

Monday March 28, 2011
10:00 AM

1. Introductions:

- Justine Chambers, Purchasing Administrator, 834-8056
- Roy Callahan, Inspector, 240-5195
- Chris Struffert, Project Engineer, 834-8047

2. Bid Requirements: (Justine)

3. Scope of Work:

The Work to be performed consists of furnishing all labor, material, equipment, and temporary facilities necessary to lay approximately 1,030 linear feet of new 8" potable water pipe in Highland Avenue. The Work will generally consist of the following:

1. Traffic control, permits, and compliance with the UPRR Encroachment Permit and City of Reno Special Conditions related to this work;
2. Installation of approximately 1,030 linear feet of 8" PVC water main including trenching, pipe, reconnection of existing water services, valves, fittings and appurtenances, bedding, backfill, temporary trench patching, and permanent asphalt patching;
3. Bore and jack to install approximately 152 LF of 14" steel casing under the existing Steamboat Ditch and a UP Railroad spur.
4. Installation of approximately 154 linear feet of 8" restrained-joint ductile iron water main through the 14" steel casing described above. Work includes pipe spacers, casing end seals, and all necessary appurtenances to provide a pipe suitable for connection to the proposed water main;
5. Construction of three connections to existing distribution mains including abandonment/retirement of existing facilities at two of the three locations. The connection in Valley Road will require a substantial permanent asphalt patch.

Pavement reconstruction by others will immediately follow this water main replacement. Time will be of the essence in the completion of this work.

4. Clarifications:

1. Permits

- Union Pacific Railroad encroachment permit (Paid by TMWA); Contractor to acquire Railroad Protective Liability Insurance either privately or through UPRR (\$1,800/about 1 week through UPRR)
- City of Reno Encroachment and Excavation Permit (paid by Contractor)
- City of Reno Special Conditions for the Encroachment and Excavation Permit (Inspection fees paid by TMWA) – Please review special conditions (included at the end of the Tech Specs) carefully.

2. Limits of Paving/Asphalt Patching

- All pipe work is within paving limits
- Evans and Beech connections are within paving limits
- Valley connection is outside paving limits and will require a permanent patch.

3. Traffic Control

- Highland Avenue is an RTC bus route – maintain one-lane traffic at all times.
- Maintain pedestrian walking paths.
- Maintain access for residents.
- See City of Reno Special Conditions for all requirements

4. Receiving Pit Depth

- Bottom of receiving pit will be at or near top of existing 8" SS.
- Sewer will be lined with cured-in-place Insituform prior to jack/bore operations – pipe will be continuous, and structurally and hydraulically sound.
- Contractor shall protect sewer and all existing utilities. Damaged sewer pipe will be repaired by the Contractor to the City's satisfaction and at the Contractor's sole expense.

5. Sewer Laterals – It shall be the Contractors responsibility to locate all existing sewer laterals. At least three options are available:

- Pothole in advance of excavation to verify depth and alignment,
- Excavate pipe trench far enough in advance to allow sufficient distance to adjust pipeline elevation to avoid conflicts,
- Contact the City of Reno for videotape/video logs of sewer pipe giving distances and tap locations of existing laterals from manholes.

It shall be the Contractor's responsibility to locate all sewer laterals. TMWA will not accept extra work requests for conflicts with laterals.

6. TMWA has not performed a geotechnical investigation at this site. The Contractor shall be responsible for gathering geotechnical data, inspect the site, and making himself familiar with the anticipated soil conditions to be encountered. The Contractor shall be prepared to encounter mixed and varied soil conditions at this site.
7. Construction material inspection will be performed by Construction Materials Engineers, Inc.
8. The buried electrical transmission main just east of the UPRR tracks is not shown on the drawings. Should not affect bore/jack depth or alignment. TMWA will pothole tomorrow to verify depth. Any changes will be addressed in Addendum #1.
9. Connection detail at Highland and Valley has been revised to decrease pipe length and minimize pavement patch. Please see attached sheet for revisions.

5. Schedule:

- Bids due March 31 @ 2:00 PM
- NTP Monday April 11
- Project Completion Friday May 13
- Liquidated damages \$2,000/calendar day

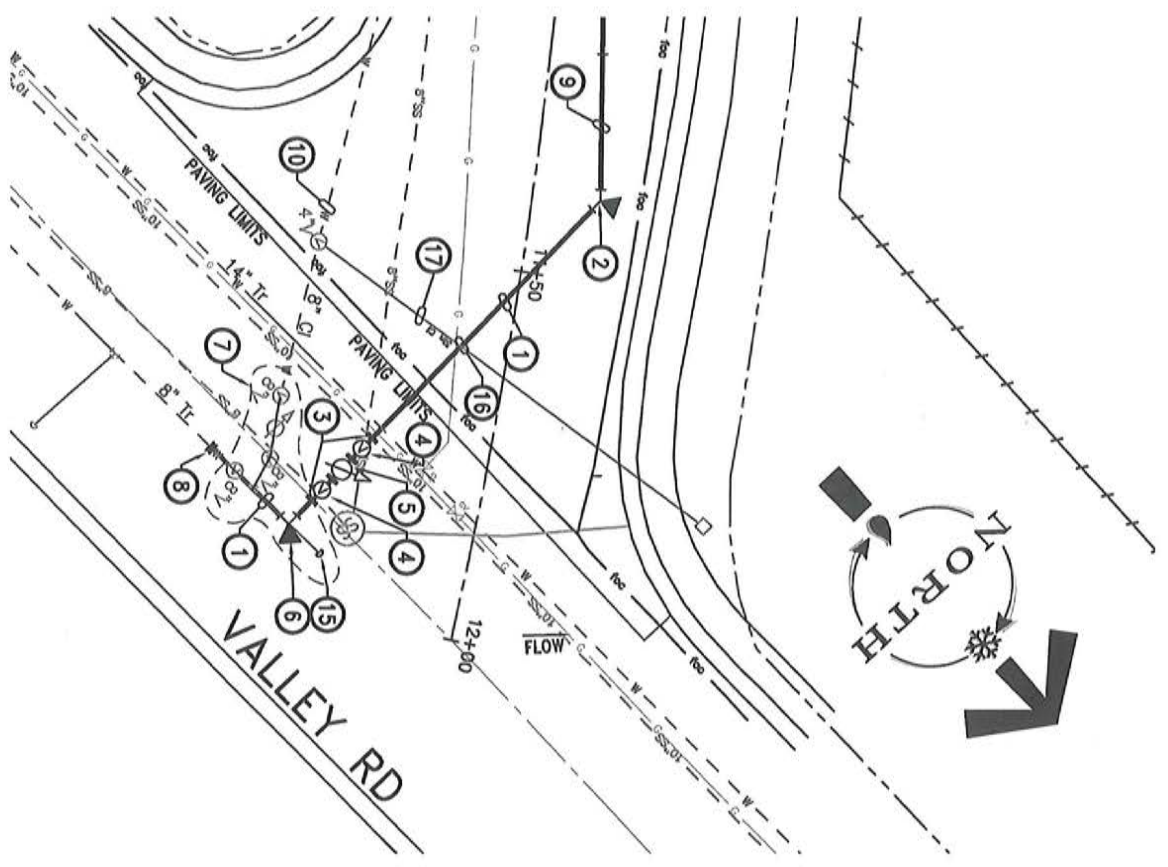
Project completion date is critical – RTC begins paving on Monday May 16

4. Questions?

NOTE:
 COORDINATE SHUT-DOWN WITH TMWA REPRESENTATIVE AT
 LEAST 48 HRS. IN ADVANCE.

WORK TASKS - HIGHLAND AVENUE SHEET PP3

- ① 8" RESTRAINED DIP (TRP.)
- ② 8" 45° MJ ELBOW W/THRUST BLOCK & RESTRAINED ADAPTERS
- ③ 8" FLX/MJ ADAPTERS W/RESTRAINED ADAPTERS
- ④ 8" FLX/L GATE VALVES
- ⑤ 8" FLX/L CHECK VALVE
- ⑥ 8" 90° MJ ELBOW W/THRUST BLOCK & RESTRAINED ADAPTERS
- ⑦ REMOVE (E) WATER INFRASTRUCTURE
- ⑧ CONNECT TO (E) 8" TR WL W/8" TRANSITION COUPLING
- ⑨ 18 L.F. RESTRAINED 8" DIP
- ⑩ (E) 8" WL TO BE ABANDONED
- ⑪ RECONNECT EXISTING 3/4" COPPER RESIDENTIAL SERVICE LINE
 (TYPICAL OF 3 RESIDENCES).
 INSTALL: 1" SERVICE TAP PER TMWA STANDARD DETAIL 10H-2
 1" CTS HDPE TUBING (LENGTH VARIES)
 1" CTS HDPE x 3/4" COPPER TUBING COMPRESSION COUPLING.
- ⑫ RECONNECT EXISTING 6" FIRE SERVICE
 POTHOLE & VERIFY TYPE AND O.D. OF FIRE HYDRANT LATERAL PIPE PRIOR TO ORDERING COUPLING
 INSTALL: 6" RUN PO x 6" BRANCH FLG DUCTILE IRON TEE WITH THRUST BLOCK
 6" GATE VALVE, FLG&PO
 6" CL 235 C900 PVC WATER PIPE (LENGTH VARIES)
 6" ROMAC STYLE 501 TRANSITION COUPLING
- ⑬ RECONNECT EXISTING 1 1/2" HDPE SDR 9 RESIDENTIAL SERVICE LINE
 (TYPICAL OF XX RESIDENCES).
 INSTALL: 1 1/2" SERVICE TAP PER TMWA STANDARD DETAIL 10H-3
 1 1/2" CTS HDPE TUBING (LENGTH VARIES)
 1 1/2" CTS HDPE x 1 1/2" COPPER TUBING COMPRESSION COUPLING.
- ⑭ RECONNECT EXISTING 1" HDPE SDR 9 RESIDENTIAL SERVICE LINE
 (TYPICAL OF XX RESIDENCES).
 INSTALL: 1" SERVICE TAP PER TMWA STANDARD DETAIL 10H-2
 1" CTS HDPE TUBING (LENGTH VARIES)
 1" CTS HDPE x 1" COPPER TUBING COMPRESSION COUPLING.
- ⑮ REMOVE (E) CAP AT END OF (E) 8" WL
- ⑯ RECONNECT EXISTING 2" HDPE SDR 9 SERVICE LINE. REMOVE 3"
 CAST IRON CASING PIPE AND
 INSTALL: 2" SERVICE TAP PER TMWA STANDARD DETAIL 10H-5
 2" CTS HDPE TUBING (LENGTH VARIES)
 2" CTS HDPE x 1" COPPER TUBING COMPRESSION COUPLING.
- ⑰ 2" HDPE SERVICE INSIDE ABANDONED 3" CAST IRON SERVICE.



REVISED