



CITY OF TACOMA
Public Works Engineering

ADDENDUM NO. 5

DATE: 2/26/2024

REVISIONS TO:
Request for Bids Specification No. PW23-0130F
Historic Water Ditch Trail Phase IIIA

NOTICE TO ALL BIDDERS:

This addendum is issued to clarify, revise, add to or delete from, the original specification documents for the above project. This addendum, as integrated with the original specification documents, shall form the specification documents. The noted revisions shall take precedence over previously issued specification documents and shall become part of this contract.

REVISIONS TO THE SUBMITTAL DEADLINE:

The submittal deadline is unchanged.

REVISIONS TO THE SPECIAL Provisions:

Change #1
7-05 MANHOLES, INLETS, CATCH BASINS, AND DRYWELLS
Section 7-05.3 is replaced with the attached.

NOTE: Acknowledge receipt of this addendum by initialing the corresponding space as indicated on the signature page. Vendors who have already submitted their bid/proposal may contact the Purchasing Division at 253-502-8468 and request return of their bid/proposal for acknowledgment and re-submittal. Or, a letter acknowledging receipt of this addendum may be submitted in an envelope marked Request for Bids Specification No. PW23-0130F Addendum No. 5. The City reserves the right to reject any and all bids, including, in certain circumstances, for failure to appropriately acknowledge this addendum.

cc: Chris Storey, Public Works/Engineering

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7-05 MANHOLES, INLETS, CATCH BASINS, AND DRYWELLS
(*****)

7-05.1 Description

This section is supplemented with the following:

All references to sanitary sewers shall be construed to also mean storm sewers. The term “Manhole” shall be synonymous with the term “Maintenance Hole”.

7-05.3 Construction Requirements

The first sentence of the eleventh paragraph is revised to read:

A flexible pipe-to-manhole connector shall be used in all connections of rigid and thermoplastic pipes to **new** precast concrete manholes to provide a watertight joint between the pipe and the manhole, unless otherwise directed by the Engineer. The connector shall be shall be ASTM C923 compliant and manufactured by “Kor-N-Seal”, or Fernco, Press-Seal, A-Lok, or Engineer approved equal. The connectors shall be installed in accordance with the manufacturer’s recommendations.

Section 7-05.3 is supplemented with the following:

Concrete Trench Drains

Concrete trench drains shall be constructed in accordance with the Plans. The Contractor shall construct concrete trench drains poured in place with Class 3000 air entrained concrete in accordance with Section 6-02. Trench drain grate frames shall be wet-set, anchored in the concrete per details in the Plans. Linear grates shall be secured with locking bolts, and shall be removable by maintenance crews.

Contraction joints at 5’ max. on centers and Expansion Joints at 15’ max. on centers with 3/8-inch pre-molded joint filler shall be constructed in line with sidewalk joints per Standard Plan SU-04; and seal joints in accordance with Section 5-03.

Connections to concrete inlets where shown per Plans shall be water tight, durable and strong. Connections can be constructed with solid wall 6” diameter PVC pipe stubs set in the closed end of the trench drain, and be made with sand collars. The Contractor shall submit detailed shop drawings to the Engineer for approval prior to construction. Shop drawings shall show trench cross section dimensions and rebar placement, frame and grate detail, and shall detail connections to concrete inlets.

The Contractor shall install ADA compliant grates for trench drains with a wave pattern, by Urban Accessories, Jonite, Vodaland or equivalent other.

Concrete inlets within the shared use path or within any pedestrian circulation route shall have ADA compliant grates in accordance with WSDOT Standard Plan B-30.15-00, Alternative 3.

Area Drains

1 Where the Plans call for area drains, the Contractor shall furnish and install grated drainage
2 junctions to accommodate PVC drains 8-inch in diameter. The inlet grate for an area drain shall
3 be minimum 12" by 12", and ADA compliant. Area drains shall have a minimum load rating of
4 3000 lbs. Standard concrete inlets with ADA grates per WSDOT Standard Plans would also be
5 accepted.

6
7 **7-05.3(1) Adjusting Manholes and Catch Basins to Grade**

8 *This section including the heading is revised to read:*

9
10 **7-05.3(1) Adjusting Utility Structures to Grade**

11
12 Where shown in the Plans or where directed by the Engineer, utility structures shall be adjusted
13 to grade as staked or as otherwise designated by the Engineer.

14
15 When adjusting an existing catch basin the contractor shall clean the structure in accordance
16 with specification 7-07 and shall include all costs in the price for adjustment.

17
18 The materials and methods of construction shall conform to the requirements specified in
19 Section 7-05.3 and Standard Plan No. SU-25. The finished structure shall conform to the
20 requirements of the standard plan for the specific structure.

21
22 Where shown on the plans for water main valve chambers to be adjusted to grade, existing
23 valve cans and covers shall be replaced with new castings.

24
25 **7-05.3(3) Connections to Existing Manholes**

26 *The first sentence is revised to read:*

27
28 The Contractor shall inspect the existing manholes in the field to verify invert elevations and the
29 scope of work necessary to make the connection(s) prior to construction.

30
31 *This section is supplemented with the following:*

32
33 New pipe openings and replacement with larger pipes require core drilling the manhole wall,
34 and rechanneling or enlarging the manhole channel. Where new pipes come in above the
35 manhole channel shelf, no rechanneling is required. In the case where a pipe is replaced with
36 the same size, the existing pipe may be cut and a Rigid Coupling connection may be made
37 outside the manhole to connect the new pipe. Any rigid couplings shall be Romac, JCM
38 Industries, or Krausz-USA, or an Engineer approved equal.

39
40 *Section 7-05.3 is supplemented with the following:*

41
42 **Reconnect Existing Sewer Pipe to New Structure**

43 **(*****)**

44
45 The Contractor shall reconnect existing sewer pipes to new structures where shown on the
46 plans. The Contractor shall locate the existing pipe and place the new structure in line with the
47 existing pipe. The invert elevation shall be field determined.

48
49 The Contractor shall cut the existing sewer pipe within 5 feet of the new structure and work
50 within the pavement removal limits according to the plans. The Contractor shall connect the

1 existing pipe to the new structure using the same pipe material and size if possible; or use a
2 similar interior size PVC, RCP, or DI pipe as directed by the Engineer with appropriate pipe
3 adaptors. Submit pipe adaptor manufacturer's recommendations.

4
5 Rigid Couplings shall be used at any pipe joint in which bell and spigot or fused joints are not
6 used. Flexible couplings are not permitted, except for side sewer installation. The rigid
7 couplings shall be Romac, JCM Industries, or Krausz-USA, or an Engineer approved equal.

9 **7-05.4 Measurement**

10 *The sixth paragraph is revised to read:*

11
12 Connections to existing structures will be measured per each.

13
14 *This section is supplemented with the following:*

15
16 Reconnecting existing sewer pipes to new manhole structures will be measured per each.

17
18 Manholes with Cast-in-Place Base will be measured per each.

19
20 Catch Basin Type 2 __ in excess of 10 feet in height will be measured per linear foot for each
21 additional foot of height over 10 feet. Measurement will be the distance from the inside sump
22 elevation to the top of the manhole ring rounded up to the nearest foot.

23 24 **7-05.5 Payment**

25 *This Section is supplemented with the following:*

26
27 "Connect New Sewer Pipe, ___-In. Diam., to Existing Structure", per each

28 The unit Contract price per each for "Connect New Sewer Pipe, ___-In. Diam., to Existing
29 Structure" shall be full pay for all costs to construct the pipe connection to the existing manhole
30 in accordance with Section 7-05.3, including but not limited to cutting any existing pipe and
31 using a coupling to connect the new pipe, or core drilling a new pipe opening in the manhole,
32 removing old pipe connection, constructing sand collar connection with the new pipe end,
33 modifying manhole channel, excavating, furnishing and placing backfill, and compacting backfill.

34
35 "Adjust Existing Water Valve Chamber to Grade", per each

36
37 The unit Contract price per each for "Adjust Existing Water Valve Chamber to Grade" shall be
38 full pay for all costs associated with adjusting the water valve chamber to finished grade,
39 including but not limited to, excavating, furnish and place backfill, compacting, surfacing, and
40 restoration.

41
42 "Adjust Existing PSE Gas Valve Chamber to Grade", per each

43
44 The unit Contract price per each for "Adjust Existing PSE Gas Valve Chamber to Grade" shall
45 be full pay for all costs associated with coordinating adjusting the water valve chamber to
46 finished grade with PSE, including but not limited to, excavating, furnish and place backfill,
47 compacting, surfacing, and restoration.

48
49 "Adjust Existing Manhole, Install new Frame and Cover", per each

1 The unit Contract price per each for "Adjust Existing Manhole" shall be full pay for all costs
2 associated with adjusting the frame and cover to finished grade, including but not limited to,
3 excavating, furnish and place backfill, installing the new city supplied frame and cover,
4 compacting, surfacing, and restoration.

5
6 "Adjust Existing Catch Basin, Install new Frame and Grate", per each

7
8 The unit Contract price per each for "Adjust Existing Catch Basin" shall be full pay for all costs
9 associated with adjusting the frame and grate to finished grade, including but not limited to,
10 excavating, furnish and place backfill, installing the new city supplied frame and grate,
11 compacting, surfacing, and restoration.

12
13 "Area Drain", per each

14
15 The unit Contract price per each for "Area Drain" shall be full pay for all work required to furnish
16 and install the new area drain to finished grade, including, but not limited to, excavating for,
17 furnishing backfill, compaction of backfill, connection of new pipe(s), and furnish and install
18 frame and ADA grate as shown per Plans.

19
20 The unit Contract price per each for "Catch Basin Type 1" shall be full pay for all work required
21 to furnish and install the new catch basin to finished grade, including, but not limited to,
22 excavating for, furnishing backfill, compaction of backfill, connection of new pipe(s), and
23 installing city supplied frame and grate frame and grate or cover as shown per Plans.

24
25 "Catch Basin Type 1, with Combination Inlet", per each

26
27 The unit Contract price per each for "Catch Basin Type 1, with Combination Inlet" shall be full
28 pay for all work required to furnish and install the new catch basin to finished grade, including,
29 but not limited to, excavating for, furnishing backfill, compaction of backfill, connection of new
30 pipe(s), and installing city supplied frame and grate for a Combination Inlet as shown per Plans.

31
32 The unit Contract price per each for "Catch Basin__Diam. Type 2" shall be full pay for all work
33 required to furnish and install the new catch basin to finished grade, including, but not limited to,
34 excavating for, furnishing backfill, compaction of backfill, connection of new pipe(s), and
35 installing city supplied frame and grate frame and grate as shown per Plans.

36
37 "Catch Basin__Diam. Type 2, with Combination Inlet", per each

38
39 The unit Contract price per each for "Catch Basin__Diam. Type 2, with Combination Inlet" shall
40 be full pay for all work required to furnish and install the new catch basin to finished grade,
41 including, but not limited to, excavating for, furnishing backfill, compaction of backfill, connection
42 of new pipe(s), and installing city supplied frame and grate for a Combination Inlet as shown per
43 Plans.

44
45 The unit Contract price per each for "Concrete Inlet" shall be full pay for all work required to
46 furnish and install the new concrete inlet to finished grade, including, but not limited to,
47 excavating for, furnishing backfill, compaction of backfill, connection of new pipe(s), and furnish
48 and install frame and ADA grate as shown per Plans.

49
50 "Reconnect Existing Sewer Pipe, ___-In. Diam., to New Structure", per each.

1 The unit Contract price per each for "Reconnect Existing Sewer Pipe, ___-In. Diam., to New
2 Structure" shall be full pay for all labor, equipment and materials necessary to reconnect the
3 existing sewer pipe to the new structure as specified in Section 7-05.3.

4
5 "Catch Basin Type 2 Additional Height, ___ In. Diam.", per linear foot.

6 "Reconnect Existing Sewer Pipe, ___-In. Diam., to New Structure", per each.

7
8 "Concrete Trench Drain", per linear foot

9
10 The unit Contract price per linear foot for "Concrete Trench Drain" shall be full pay for all labor,
11 equipment and materials necessary to furnish and haul materials, to construct the complete
12 concrete trench drain poured in place with integral curb, including reinforcing steel bars, linear
13 frames and grates, including all joints and joint sealing, and PVC pipe connections as specified
14 in Section 7-05.3 and in accordance with the Plans.

15
16

END OF SECTION