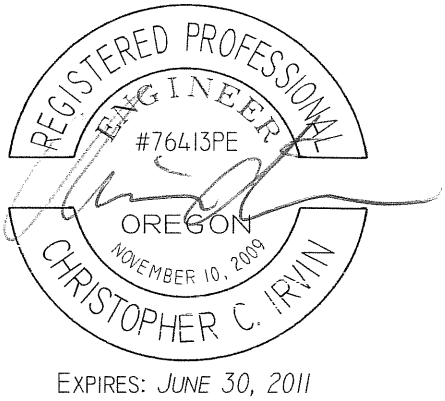
Addendum No. 1



City of Florence
Trunk Sewer Phase 2
City Project: WW11-02

Addendum Date: June 30th 2011
Bid Opening Date: 2:00 p.m. Thursday, July 7, 2011
City of Florence
250 Highway 101 N.
Florence, Oregon 97439

This addendum modifies the Contract Documents for the subject project and shall become a part of the Contract Documents. Except as modified in this Addendum, the Project Manual containing the Contract Documents dated June 16, 2011 remains in effect and control all submissions. Bidders shall acknowledge receipt of this addendum in the space provided in Article 10 of the Proposal Form, 00141, and also on the outside of your bid envelope. Failure to do so may subject bidder to disqualification.

Please note the following corrections, revisions and clarifications to the Contract Documents:

Attachments:

1. DEQ plan approval letter Dated June 23rd, 2011.

Permits:

1. ***ADD*** -DEQ plan approval letter Dated June 21st, 2011.
   a. ***Contractor shall comply with all conditions of DEQ plan approval letter***

Clarifications/Modifications:

1. 60" Inside Drop Manhole, Bid Item 23:

Modification: The drop manhole shown in the construction plans on sheet 15 at approximate sta. 151+25 shall be a standard 48" manhole. The existing lateral shown on the plans extending to the west has been verified to be inactive. A revised bid item schedule reflecting the elimination of this manhole is included.

2. Trench Resurfacing, Bid Item 26:

Clarification: Bid Item 26, Trench Resurfacing, the quantity refers to the quantity of asphalt required to resurface the trench in tons. Trench resurfacing is addressed in section 00495 of the standard specifications and includes base rock as part of the bid item. Since

trench patch is measured in tons of asphalt placed, base rock is incidental to this item. Trench patch is measured in tons in order to more equitably compensate contractor for asphalt resurfacing where existing asphalt exceeds the 4"minimum thickness. Payment will be by the ton subjected to the limits of the sawcut shown on the plans (note K of Sheet C1). Sawcut shown on the plans is typically 8' and 10', depending on the location of the cut. The trench width shown on the plans is the final "tee cut" saw cut line and final limits of Trench Resurfacing and is sufficient room to comply with the drawings and specifications including the requirements of the city of Florence Standard Drawings. Additional Trench width may be necessary if unanticipated or particularly unstable conditions are experienced. It is the intent of the Trench resurfacing bid item to compensate contractor for a reasonable Trench patch based on field conditions. However, payment for additional trench patch will be solely at the discretion of the engineer and contractor may be requested to provide supporting documentation to demonstrate actual trench width was the minimum necessary to complete the work despite contractor due diligence.

3. Aggregate Base, Bid Item 27:

Clarification:Aggregate Base, Bid Item 27 is referring to bubble note 10 on sheets C14 and C15 which shows full width asphalt removal and replacement for the section of pavement between approximately stations 148+50 to 151+50. The road surface will need to be reconstructed in this area. The aggregate is intended to cover the installing base rock in the trench area and reconstructing the base rock on 43rd street which has inadequate base rock. Contractor is to preserve existing base rock on Oak Street as much as practicable. Geosynthetic fabric shall be placed under all new aggregate base placed.

4. Striping:

Modification: Where a crosswalk or stop bar is impacted by construction, the entire crosswalk or stop bar shall be replaced with thermoplastic striping, Type B-HS, 120 mils. All other striping shall be replaced with paint matching existing striping. Contractor shall document existing conditions before work in order to replace striping. A bid item for thermoplastic striping has been added. Paint striping is incidental to the trench resurfacing.

5. Bypass Pumping: Sewage Flow Rates

Clarification: Bypass Pumping: Peak flow in the existing sewer south of 36th street is 0.75 cfs and North of 36th street the peak flow is .013 cfs

6. Temporary Traffic Control:

Clarification: Street Closures: 35th street may be closed and detoured for up to two days total, Monday through Thursday.

Contractor to minimize impacts and maintain access to Siuslaw School District Property at all times. Contractor to accommodate school bus traffic and may need to adjust work schedules and/or establish detour routes for school busses. Contractor must address this in the required traffic control plan. Refer to http://www.siuslaw.k12.or.us/siuslaw/site/default.asp for information on school schedules and contact information.

7. Removal of Surfacings, Bid Item 9

Clarification: Removal of Surfacings, Bid item 9 is for pavement removal outside of Trench lines as shown on sheets C14 and C15. Existing Base rock to be preserved on Oak Street outside of Trench lines where sufficient base rock currently exists. 43rd street has minimal base rock and road must be fully reconstructed including installation of geotextile fabric. A bid item for Geotextile fabric has been added for clarification.

8. 1" Water Service Connections, Bid Item 33

Modification:Two of the existing water service connections shown on the plans have been field verified as 2" services. Specifically, these 2" service connections are located at approximate sta. 92+25 of Sheet 3 and at sta. 134+50 of Sheet 11 on the construction plans. The Bid Item Schedule has been modified to reflect these changes and is included.

9. Existing Phone and Fiber Optic Lines

Clarification: Qwest has indicated that a major trunk phone line and fiber optic line run the length of the project along the east side of Oak Street. The Facilities are estimated to extend between 3 and 5 deep and are possibly encased in concrete. Sewer laterals will likely have to be extended underneath these facilities. Additionally, one fiber optic crossing is located at 27th street. Due to the limitations and uncertainity of the existing conditions of communications facilities, Contractor shall pothole critical crossings and field verify conditions in advance of construction and adjust lateral construction to avoid conflicts. Additional work and appurtenances that may be necessary to do this work shall be incidental to the lateral construction.

10. Geotextile Material

Clarification: Where new base material is placed for road reconstruction, geosynthetic material shall be placed under the first lift on the new base aggregate in accordance with sections 00350, 00641 and 02320 of the standard and special specifications. A bid item for Geotextile has been added to the schedule of bid items

SCHEDULE OF BID ITEMS 00220:

1. ***Modification*** – PAGE 00220-1, , ***REPLACE ENTIRE SECTION WITH THE FOLLOWING:***

Section 00220

PHASE 2 FLORENCE TRUNK SEWER (WW11-02)

SCHEDULE OF BID ITEMS

Phase 2 Trunk Sewer: 22nd Street and Oak Street to 43rd Street and Highway 101

Item # & Spec #	Description of Item	QTY	Unit	Unit Cost	Total Bid Price
1 *00210*	Mobilization	1	Lump Sum	$	$
2 *00225*	Temporary Work Zone Traffic Control, complete	1	Lump Sum	$	$
3 *00225*	Project Information Signs	1	Each	$	$
4 *00280*	Erosion Control	1	Lump Sum	$	$
5 *00310*	Pavement Saw Cutting	15510	Lineal Feet	$	$
6 *00310*	Removal of Asbestos Cement Pipes	4630	Lineal Feet	$	$
7 *00310*	Removal of Pipes	7365	Lineal Feet	$	$
8 *00310*	Removal of Manholes	20	Each	$	$
9 *00310*	Removal of Surfacings	2,205	Sq Yd	$	$
10 *00445*	18 inch, PVC Sanitary Sewer Pipe, 10 foot depth	3,385	Lineal Feet	$	$
11 *00445*	15 inch, PVC Sanitary Sewer Pipe, >15 foot depth	260	Lineal Feet	$	$
12 *00445*	15 inch, PVC Sanitary Sewer Pipe, <15 foot depth	3,505	Lineal Feet	$	$
13 *00445*	4 inch Sanitary Sewer service pipe	780	Lineal Feet	$	$
14 *00445*	6 inch Sanitary Sewer Service pipe	95	Lineal Feet	$	$
15 *00445*	Pipe Tee 18 inch x 6 inch	2	Lineal Feet	$	$
16 *00445*	Pipe Tee 18 inch x 4 inch	8	Each	$	$
17 *00445*	Pipe Tee, 15 inch x 6 inch	1	Each	$	$
18 *00445*	Pipe Tee, 15 inch x 4 inch	19	Each	$	$
19 *00445*	Pipe Tee, 8 inch x 4 inch	1	Each	$	$
20 *00445*	Video Inspection	7,150	Lineal	$	$

			Feet		
21 *00445*	Wastewater Cleanout	32	Each	$	$
22 *00470*	Concrete Manholes, 48 inch Diameter	21	Each	$	$
23 *00470*	Concrete Manholes, 60 inch Diameter	1	Each	$	$
24 *00470*	Concrete Manholes, 72 inch Diameter	1	Each	$	$
25 *00470*	Concrete Manholes, 72 inch Inside Diameter Drop	1	Each	$	$
26 *00495*	Trench Resurfacing	1,420	Ton	$	$
27 *00641*	Aggregate Base	290	Tons	$	$
28 *00744*	Level 3, ½ inch Dense MHMAC	375	Tons	$	$
29 00759	Concrete Driveways	80	Sq Ft	$	$
30 00759	Concrete Sidewalks	1050	Sq Ft	$	$
31 00759	Concrete curb (including gutter if present)	350	Lineal Feet	$	$
32 *01140*	8 inch potable water pipe. Class C backfill	215	Lineal Feet	$	$
33 *01170*	1-inch water service connections	6	Each	$	$
34 *01170*	2-inch water service connections	2	Each	$	$
35 *00867*	Thermoplastic Striping	614	Sq Ft	$	$
36 *00350*	Geosynthetic Material	710	Sq Yd	$	$
				Total	

Total Amount of Bid **$**_____

Total Bid price written out in words _____

Note: All Unit Price Bids should be considered as "Furnished and Installed". Billing is to be as complete units and partial bills will not be paid.

To Be Considered Responsive, the following page must be signed and completed by your firm:

Special Specifications - 00600:

1. ***Modification –Add the following:***

00220 Highway 101 Lane Closure Restrictions – add the following

(1) Weekdays:

- **October 15 to May 15:**
  - Between 7:00 a.m. and 9:00 a.m. and between 4:00 p.m. and 6:00 p.m. Monday through Thursday
  - Between 7:00 a.m. and 9:00 a.m. Friday morning
- **May 15 to October 15** - No daytime lane closures allowed.

(2) Weekends:

- **October 15 to May 15**- Between noon on Friday and 7:00 p.m. on Sunday.
- **May 15 to October 15** - No weekend lane closures allowed.

Oregon
John A. Kitzhaber, MD, Governor

Department of Environmental Quality
Western Region
Eugene Office
165 East 7th Avenue, Suite 100
Eugene, OR 97401-3049
Phone: (541) 686-7838
Fax: (541) 686-7551
TTY: 711
www.oregon.gov/DEQ

June 23, 2011

Mr. Mike Miller
Director of Public Works
City of Florence
250 Hwy 101
Florence, OR 97439

Re: WQ - City of Florence Sewage Treatment Plant
File No. 30058
Lane County
Approval of Plans and Specifications for the Trunk Sanitary Sewer Project – Phase 2. CWSRF Loan # R33422

Dear Mr. Mike Miller:

We have reviewed and approved revised plans and specifications for this project received June 10, 2011, from Mr. Chris Irvin, PE, of Branch Engineering, in Springfield, Oregon, per OAR 340-52. A $539 technical activities fee and an affirmative Land Use Compatibility Statement (LUCS) were also received.

DESCRIPTION

The project is in Florence, Oregon, and includes, but is not limited to, the following items:

- Replacement of approximately 3763 lineal feet of existing gravity 8" and 10" asbestos cement sewer pipes in Oak Street with 15" PVC pipe using the open-cut construction method.
- Installation of approximately 3385' of 18" diameter PVC gravity sewer pipe. The installation replaces existing10" asbestos cement pipe.
- Installation of approximately 24 new manholes.

The project will result in increasing the sewer system hydraulic capacity and in reducing inflow and infiltration in the old section of the city's collection system.

CONDITIONS OF APPROVAL

1. Construction shall be inspected and certified by the design engineer. This requirement is established in OAR 340-52-035, and shall not be waived. We also recommend that the County inspect the work to assure a satisfactory installation. A certification form is enclosed for your use.

2. The certification shall be mailed along with a copy of all manhole test logs. Testing shall conform to Section 00445 of the 2008 Oregon Standards. All the manholes shall be

tested. Manhole testing shall not be waived by the City of Florence or the engineer. A copy of our manhole test form is enclosed for your use.

3. In accordance with Section 00470 of the 2008 Oregon Standards, manholes shall be tested for final acceptance only after completion of all surface restoration, including paving and adjustment to grade. Manholes shall be filled to the rim at the start of the test.

4. All materials, construction, and testing shall conform to the 2008 Oregon Standards and Specifications, Part 00400 – Drainage and Sewers. A copy of Part 00400 shall be kept at the project site during construction to resolve any conflicts concerning materials, construction methods, and testing

5. The specified color TV warranty test in the 2008 Oregon Standards may be waived by the City on this project at its discretion. The specified 95% mandrel deflection test shall not be waived.

6. The final project shall conform to all applicable electrical, plumbing, building, fire, and mechanical codes and safety requirements.

7. This plan approval is valid for one (1) year. Technologies, materials, and standards change so it is important to keep construction approvals up to date. If construction has not commenced within one (1) year, plans must be resubmitted along with the appropriate fee for approval unless waived by the Department. A valid Land Use Compatibility Statement (LUCS) from the local land use agency as well as a valid building permit from the local Building Codes jurisdiction will also be required.

PROJECT PERFORMANCE CERTIFICATION

To facilitate the process of performance certification, as required by Clean Water State Revolving Fund (CWSRF) rules, we are providing certification criteria. These criteria must be met as a condition for performance certification of the project. The details of the performance certification process and criteria are contained in Attachment A. No later than 10.5 months after initiation of operation, the city shall submit a performance evaluation report (PER) based on DEQ's performance evaluation criteria and standards.

MUNICIPAL RESPONSIBILITIES

The city is responsible for ensuring that the conditions of approval are followed, including assuring timely submittal of the PER, the engineer's certification and manhole test records and that all aspects of the project observe water quality regulations. The city must verify that the project inspector requires erosion controls, that the controls are effective, and that they are maintained. The city must verify that contractors, as well as city crews, adhere to DEQ

guidelines for proper flushing of water lines. For specific procedures, refer to the state dechlorination requirements posted at: http://www.deq.state.or.us/wq/wqfact/DisposalofChlorinatedWater.pdf.

Please address all submittals to my attention.

INQUIRIES

Please let me know if there is any question about these conditions of approval. I may be reached at (541) 687-7346. We wish you a successful project.

Respectfully,

Francis K. A. Dzata
Wastewater Engineering Specialist

For: Timothy C. McFetridge, P.E.
Senior Environmental Engineer
Water Quality Program

Enclosures (Attachment A, MH log & engcert)
cc w/ encl:
Mr. Chris Irvin, PE
Branch Engineering, 310 5th Street
Springfield, OR 97477

w/out:

Dave Belyea, DEQ-WR, Eugene
Bob Haberman, DEQ-WR, Eugene
Tim McFetridge, PE, DEQ-WR, Salem
Steve Schnurbusch, DEQ-WR, Salem

Attachment B

MANHOLE TEST RECORD

PROJECT: _____ PROJECT NO.: _____

CONTRACTOR: _____ TESTING COMPANY: _____

WITNESSED BY: _____ (INSPECTOR)

Date	MH No.	Paved (P or U)	MH Depth	VACUUM				HYDROSTATIC						Comments
				MH Diam	Time Req.	Vac Start	Vac End	Time Start	Time End	Total Time	Volume Change	Less (ghp)	PASS FAIL	

NOTE:

All adjacent surface restoration will be completed before conducting a sanitary manhole acceptance test, including finish paving and final adjustment of grade. Any test conducted beforehand shall be considered informal, and will not count for acceptance.

Vacuum test will be conducted in accordance with latest applicable standards, such as established procedures based on ASTM C924-86, starting at 10" Hg of vacuum.

Hydrostatic tests will be conducted in accordance with the 1990 Oregon APWA Standard Specifications for Sanitary Sewer Construction, Section 306.3.03. Manholes shall be filled to a mark on the iron frame at the start of test, or to the rim of the frame.

Attachment G

CWSRF LOAN CONSTRUCTION CERTIFICATION FORM

(Complete one copy for each prime contract)

Borrower's Name _____

Project Name _____

CWSRF Number _____

Contractor _____

ENGINEER'S CERTIFICATION

All construction, materials, and testing are in conformance with the approved plans and specifications, as are all change orders subsequently approved for the above contract.

All testing was adequately documented. Copies of all test reports and of each engineer's and inspector's daily diary were provided for the borrower's files.

_____ _____
Engineer's Signature Date

_____
Print name of engineer certifying construction

_____
Borrower Representative' s Signature

_____ _____
Print Borrower Representative' s Name & Title Date

RESPONSIBILITY OF TREATMENT WORKS OWNERS, DESIGNS ENGINEERS AND DEVELOPERS AFTER APPROVAL OF PLANS FOR (DOMESTIC) SEWAGE PROJECTS

340-52-040

(1) Construction of all projects must be made in accordance with the project plans and specification approved by the Department. No substantial change in or deviation from such plans and specifications shall be made without the prior written approval of the Department, which shall make the final determination whether or not a change or deviation is in fact substantial.

(2) The owner of the sewerage system (generally a municipality) as recipient of any construction work on it's system has a vested responsibility to review and approve project plans prior to the start of construction. Department approval of plans under these rules does not preclude the right and responsibility of review and approval by the owner. The owner may adopt more stringent construction standards and impose special conditions for sewer use, service connection, and related activities. Department approval of plans in such cases is contingent upon similar approval by the owner. Submittal of plans to the Department through the owner and prior approval of plans by the owner is encouraged.

(3) Inspection and certification of proper construction shall be governed by the following provisions:

(a) The construction of all sewerage projects shall be under the supervision of and shall be thoroughly inspected by the design engineer or his authorized representative, unless relieved under *{~~OAR 340-52-035~~}* *subsection (3) (b) of this rule*. At the completion of the project he shall certify in writing to the owner and the Department that such construction was inspected by him and found to be in accordance with the plans and specifications, including any changes therein approved by the Department. Nothing in the foregoing exempts an owner from monitoring the project for conformance to requirements and performing supplementary inspections or prevents an owner's qualified staff from assuming responsibility for inspection and certification;

(b) If the design engineer is to have no further involvement or have limited involvement with the project after obtaining Department approval of plans, he must so notify the Department, the owner, and the developer upon submittal of plans or immediately upon being disassociated or limited in control over materials or workmanship within the project. (Nothing precludes either the owner or the developer from giving such notice if this is more appropriate.) Thereupon, if the project is to continue on to construction, the owner shall assume necessary responsibility for satisfactory construction of the project in accordance with the approved plans. He shall employ or apply such construction engineering/inspection services as appropriate for the project. The owner shall thereupon certify in accordance with subsection (a) of this section. No project shall proceed to construction without adequate and capable construction engineering/inspection services. (This assumption of construction engineering/inspection services responsibility by the owner does not necessarily relieve the design engineer of design responsibility);

(c) Sewerage system integrity and water-tightness is the system owner's ultimate responsibility. He shall monitor all private sewer construction and control all common sewer construction in the sewerage system to the extent necessary to this end.

(4) An appropriate final operation and maintenance manual, approved by the Department shall be prepared and submitted to the owner by the design engineer for all treatment works, disposal systems, and list stations prior to start up of such facilities.

Attachment A

PROJECT PERFORMANCE CERTIFICATION FOR GRAVITY SEWER PROJECTS FUNDED WITH CWSRF LOANS

For CWSRF funded gravity sewer projects (no pumping stations), DEQ specifies the performance Criteria and standards, and lists all certification documentation submittal requirements (outlined below). Successful, timely completion of performance certification is a condition of your loan.

I. DEQ PERFORMANCE CRITERIA

The following DEQ performance criteria apply:

A. Gravity sewers built for this project shall conform to DEQ approved plans and specifications.

B. Sewer and manhole leakage for new construction shall not exceed 50 gallons per inch of pipe diameter per mile of pipe per day.

II. DEQ PERFORMANCE STANDARDS

All sewer pipe, manholes, cleanouts, and appurtenances shall be tested as specified in the plans. Failing construction elements shall be repaired and retested, until satisfactory performance is obtained. The following additional DEQ performance standards apply:

A. Deflection testing of flexible pipe shall be conducted on a manhole to manhole basis and shall be done after the line has been completely flushed out with water. The tests shall be conducted not less than 30 days after trench backfill and compaction are completed and may be conducted concurrently with television inspection (Oregon Chapter, APWA, Division 3, Section 303.3.10).

B. All adjacent surface restoration shall be completed before conducting a sanitary manhole acceptance test, including finish paving and final adjustment to grade. Tests conducted beforehand are informal and will not count for acceptance.

C. Manhole test data shall be recorded using DEQ's form "Manhole Test Record" (see Attachment B). Manhole test logs shall be submitted along with the as-built drawings.

D. The "CWSRF Loan Construction Certification Form" shall be completed by the public agency and its engineer and submitted along with the as-built drawings. For a copy of the form, see attachment G of the submittal checklist in tab 4.

Attachment A

III. PERFORMANCE CERTIFICATION DOCUMENTATION SUBMITTAL REQUIREMENTS

The following performance certification documentation is mandatory for this project:

A. NOTICE OF INITIATION OF OPERATION

1. The borrower shall notify DEQ of the initiation of project operation date within 30 days following the event, and

2. DEQ reserves the right to establish an initiation of operation date should it become necessary.

B. PERFORMANCE EVALUATION REPORT

No later than 10.5 months after the initiation of operation, the borrower shall submit a performance evaluation report. Reports for a gravity sewer shall consist of a summary of the results of the specified warranty inspection.

C. AFFIRMATIVE CERTIFICATION

1. An affirmative certification statement is required one year after the project's initiation of operation date, or

2. If the borrower is unable to sign an affirmative certification, a negative certification must be submitted to DEQ instead, and

3. Following a negative certification, a corrective action plan shall be submitted within 2 months for DEQ approval to provide a basis for discussion and action to correct project deficiencies.