



Randy Leonard, Commissioner
David G. Shaff, Administrator

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Portland, Oregon 97204-1926
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www.portlandonline.com/water



An Equal Opportunity Employer

CHANGE ORDER (Page 1 of 2)

Project Name:	Westside Header Relocation Phase 2	Change Order No.	003
Date:	October 2, 2012	P.O./Contract Number:	30002064
Contractor:	Moore Excavation, Inc.	Bid Number:	112547
Address:	P.O. Box 30569	Project Number:	W01341
City, State, Zip:	Portland, OR 97204-3569	Current Substantial Completion Date:	10/31/12
Attn:	Matt Posey		

The Parties hereby agree as follows:

- 1) Encountered unidentified obstructions during excavation on SW Naito Parkway, SW 1st Avenue, SW Hooker Street, and SW Water Avenue. These obstructions include old concrete foundation floors and walls (12-18 inch thick at various depths and lengths along the pipeline alignment in several locations), large, broken-up reinforced concrete, and unidentified utilities. The construction cost for this additional work is \$128,000.
- 2) Redesign of the SW Clay Street Tie-In connection on SW Naito Parkway. A 3-foot vertical discrepancy was discovered during construction requiring a redesign of the tie-in connection. The construction cost for this additional work is \$25,000.
- 3) Repairs to the SW Market Street Tie-In on SW Naito Parkway due to inadequate water shutdown. The existing active 36" water main was not completely shut down and resulted in flooding, street cave-ins, and damage to the water main system. The construction cost for this additional work is \$41,000.

APPROVED AS TO FORM

James H. Van Dyke
10/5/12
CITY ATTORNEY

Continued on Page 2

Change Order Amount \$ 1,083,050.00

Change in Contract Time:

0 Days

Revised Substantial Completion Date:

10/31/12

The agreed upon price and additional contract time, if any, resolves all issues of contract time and compensation in accordance with Sub Section 00196.10 of the Standard Construction Specifications (SCS).

Original Contract Amount	\$ 3,825,432.00	Net change of total change orders from original amount 52.8 %
Total Previous Change Order Amounts	\$ 936,342.62	
This Change Order Amount	\$ 1,083,050.00	
Total Change Orders plus Original Contract Amount	\$ 5,844,824.62	

[Signature]
Contractor's Representative

10/4/12
Date

[Signature]
Bureau Project Manager/ Owner's Representative

10/4/12
Date

[Signature]
Principal Engineer

10/4/12
Date

[Signature]
Chief Engineer (if required)

10/9/12
Date

N/A

Bureau Director (if required)

Date

N/A

Chief Procurement Officer (if required)

Date

Mayor or Commissioner (if required)

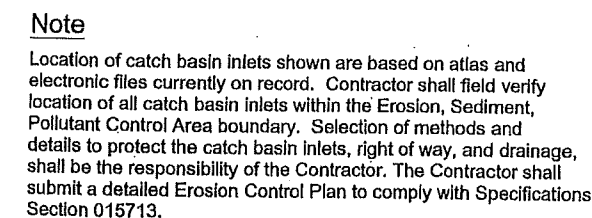
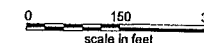
Date

CHANGE ORDER (Page 2 of 2)

185706

Project Name:	Westside Header Relocation Phase 2	Change Order No.	003
Date:	October 2, 2012	P.O./Contract Number:	30002064
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Attn:	Matt Posey	Completion Date:	

- 4) Sheridan Extension - 619 feet of 42" steel transmission main: a) Increased cost for 42" pipeline resulted in an adjustment of overall cost for the work at \$772,000 (original estimate of \$691,344 per change order no.1); b) Provide a 12% contingency for unforeseen obstacles; and c) Abandonment of 1200 feet of existing 36" pipe that will be out of service once the Sheridan connection is made. The construction cost for this additional work is \$250,000.
- 5) Signals/power conduit conflict encountered on SW Naito Parkway. Two primary conflicts: (1) Damaged unusually shallow conduit for power to signals and street lights during sawcutting of asphalt pavement; (2) Relocation/adjustment of unusually deep conduit in direct conflict with the installation of a 36" pipe into the previously installed 48" steel casing pipe. The construction cost for this additional work is \$31,000.
- 6) Provide temporary driveway for National College of Natural Medicine. Pipeline activity eliminated the only access to the school parking lot. The contractor constructed a temporary driveway to allow for an alternate entrance to parking lot. The construction cost for this additional work is \$3,450.
- 7) Provide additional traffic control measures, including flaggers and portable changeable message boards. The City of Portland Traffic Engineer required additional signage and personnel to provide increased safety measures to protect workers and the general public. Additional costs above the original bid item quantities for this service amount to \$370,000.
- 8) Provide additional paving beyond the typical trench limits. This included the following: a) SW Naito Parkway/ SW Clay to I-405, includes both asphalt and concrete pavement replacement, b) SW 1st and Porter: Extra depth required for the removal of the abandoned street car tracks required a larger "tee" cut which extended the pavement boundaries, and c) SW Baker and SW Water Avenue: Unstable pavement adjacent to pipe trench excavation resulted in replacement of additional AC pavement in the final trench restoration. Additional costs above the original bid items quantities for this service amount to \$234,600.



No	Date	Description	Appd	
Revision				
Survey		Book	Page	

Designed By JBS	GSB	Program Mgr HkW	Supv JWS
CAD Checked By JWS	JWS	Const Mgr HkW	Est JWS
Checked By MK	MK	Design Supvr MkW	Rel W HkW
Project Mgr JBS	GSB	Date 12/16/2010	



Stanley R. Vanderberg, Principal Engineer, PE No 1178



Westside Header Relocation Phase 2

Erosion Control Sheet

SAP Project No	W01341
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1/4 Section
3229/3329

Sheet No _____

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