



City of Camas
Contract Change Order No.: THREE
Date: December 30, 2014

Contract for S-566 NW Friberg Street/NW Goodwin Road Improvements

TO: McDonald Excavating, Inc., 2719 Main Street, Washougal, WA
(Contractor)

You are hereby requested to comply with the following changes from the contract plans and specifications

Description of Changes (Supplemental Plans and Specifications Attached)	Decrease in Contract Price	Increase in Contract Price
A. Install 200 AMP Electrical Service for new Traffic Signal (SCHEDULE "A") L.S.		\$ 8,745.00
B. Over-EXC and Gabion for Treatment Vault (SCHEDULE "A") LUMP SUM		\$ 735.23
C. Reset and Modify Ditch Inlet at STA 44+35.37 (SCHEDULE "A") LUMP SUM		\$ 1,729.76
D. Furnish and Install GeoTech Fabric for Separation (SCHEDULE "A") 15,306 S.Y. @ \$2 S.Y.		\$ 30,612.00
E. Pothole & Relocate Storm Pond Overflow Pipe for Signal Pole at NW Corner (SCHEDULE "A") L.S.		\$ 9,934.94
F. Storm Clean-Up and Mail Box Repair; (SCHEDULE "A") LUMP SUM		\$ 894.09
G. Add'l Sawcutting- 1,454 L.F. at \$1 (SCHEDULE "A")		\$ 1,454.00
H. Remove Ditch Inlet on Goodwin at STA 107+70 L (SCHEDULE "A") LUMP SUM		\$ 970.63
I. Furnish & Install 2 x 4 Gabion Rock for Base Stabilization on NE 202 nd (SCHEDULE "A") 34.19 T @ \$40		\$ 894.09
J. Furnish & Install Add'l Silt Fence 535 L.F. @ \$2.50 (SCHEDULE "A")		\$ 1,654.80
K. Install Bends for Hydrant at STA 34+97 for 60" Pipe Conflict (SCHEDULE "B") L.S.		\$ 2,066.19
L. Install Riser for Hydrant at STA 41+06.8 (SCHEDULE "B") LUMP SUM		\$ 1,357.34
M. Furnish and Install Irrigation Point-of-Connection Pipe and Fittings (SCHEDULE "C") LUMP SUM		\$ 7,240.89

Net Change in Contract Price:**\$ 68,732.37**

NOTES: **Item A:** The existing electrical service for the signal at Friberg and Goodwin was a 60 AMP Service. The new signal design, as proposed by DKS Associates, Inc., requires a 200 Amp Service. After consultation with Dana Beckwith at DKS, this change was approved by Jim Hodges, P.M. (2 Days) **Item B:** Over-Excavation of unsuitable material, and placement of 2"x4" Gabion Rock was required when completing the excavation for the Stormwater Treatment Vault located at STA 23+78.86 R; as depicted on Sheet RD-22 of the Plans. This change approved by Norm Wurzer, Field Inspector. **Item C:** The Ditch Inlet at Kluka -STA 44+35.37, 42' L; and shown on Sheet RD-09, was installed as depicted in the plans at Elev. 245.43', which was too high, creating ponding in the ditch. To correct the problem the Inlet was removed, modified and reset at the correct elevation, (242.65'). This item was approved by the design engineer, Kelly Bachelder, P.E.; and J. Hodges, P.M. (1 Day) **Item D:** Typical and wet winter weather conditions together with heavy school bus traffic created significant adverse impacts to the road grade. City Engineering Staff met with the Contractor and Columbia West Engineering GeoTechnical Engineer, Jason Ordway, to discuss options for maintaining construction productivity, and building a road base that would hold up to the on-going traffic and school bus loads, until it was possible to place the initial lift of ACP. Jason recommended a process that included over-excavation of a minimum of 6" depth of add'l material, and up to 12" depth of add'l material followed by placement of a recommended non-woven geotechnical fabric installation over all exposed subgrade areas. This was approved by Kelly Bachelder, P.E., Jim Hodges, P.M., and observed and field-measured by Norm Wurzer, Field Inspector. (12 Days) **Item E:** The location proposed for the NW Quadrant Traffic Signal Pole at Friberg and Goodwin was determined to be in conflict with several underground electrical conduits, a gas line, communication cables, and a stormwater detention pond over-flow pipe, which ALL had to be relocated to accommodate placement of the signal pole foundation. Work included relocation of existing conduits and installation of 74 feet of new 12" diameter storm pipe and several pipe fittings. Approved by Kelly Bachelder, P.E., Dana Beckwith, P.E., and Norm Wurzer, Field Inspector. (4 Days) **Item F:** Severe weather caused hundreds of tree branches to fall on NW Friberg and Goodwin Roads making them impassable to area vehicles and school bus traffic. The contractor was asked to pick up and dispose of all debris by City Staff. Approved by Jim Hodges, P.M. **Item G:** Additional Sawcutting of 1,454 L.F.in excess of the Plan Quantity was required at \$1 per L.F. Contractor's Bid Price was held. Approved by Jim Hodges, P.M. **Item H:** During excavation for the Field Inlet located at 19+69.60, 42.9 Feet L, an unmarked 8" abandoned white PVC Drain Pipe, was discovered. The pipe had to be cut, drained, plugged with concrete, and abandoned in place. This work approved by Norm Wurzer, Field Inspector. **Item I:** Upon excavation of the existing 12" CL. 200 PVC Force Main Connection Point, a ½ C.Y. concrete Thrust Block was un-earthed and found to be surrounding the existing pipe and neighboring Gate Valve, riser pipe, and valve can. The Thrust Block had to be removed with a rented Jack-Hammer, other related equipment, and considerable labor. The T.B. far exceeded what would be a "normal" for this installation and took considerably longer to remove than what could be reasonably estimated. Removal of the Thrust Block was not indicated in the Plans or Specifications. This work was approved by Norm Wurzer, Field Inspector. (1 Day) **Item J:** Furnish and Install Add-I Silt Fence as directed by Field Inspector, Approved by Norm Wurzer. **Item K:** Furnish and Install vertical pipe bends for Hydrant at STA 34+97 R; Approved by Norm Wurzer, Field Inspector. (1 Day) **Item L:** Install riser for existing fire hydrant. Approved by Norm Wurzer, Field Inspector **Item M:** The plans and specifications did not clearly identify the piping and electrical Point-of-Connection components that were required for a complete and functional irrigation system. The irrigation service piping and required electrical service and related facilities were installed to provide a fully functional system. Approved by Norm Wurzer, Field Inspector. Additionally, 13 Contract Working Days are warranted for impact of CO #2 items. And, 21 Days for CO#3 for a total of 33 working days.

The amount of the contract, prior to sales tax, will be (decreased) **(INCREASED)** (UNCHANGED) by the sum of: Sixty Eight Thousand, Seven Hundred Thirty Two Dollars and 37 cents **(\$68,732.37)** plus Applicable Sales Tax.

The contract total, including the original contract total, this and previous change orders will be: FOUR MILLION TWO HUNDRED FIFTY SEVEN THOUSAND, NINE HUNDRED SEVENTY ONE DOLLARS and 26/100's (\$4,257,971.26). plus Applicable Sales Tax.

The contract period provided for completion will be (**INCREASED**): 33 days.

This document will become a supplement to the contract and all provisions will apply hereto.

Requested	<u>James Hodges</u> Project Manager	<u>1/23/2015</u> Date
Recommended	<u>Jan P. Swatten</u> Engineering Manager	<u>1/23/2015</u> Date
Accepted	<u>[Signature]</u> Contractor	<u>1/22/15</u> Date
Approved	_____ Mayor	_____ Date