

Change Order No. 7

Normandale Lake Drawdown Project Nine Mile Creek Watershed District

Date of Issuance: September 6, 2019
Owner: Nine Mile Creek Watershed District
Barr Engineering Project No.: 23/27 1645.00
Contractor: Rachel Contracting Inc.
Engineer: Barr Engineering Co.

Description: Change Order 7 is a final change order for the Normandale Lake Drawdown project. The project has been completed. This change order addresses some increases in project quantities beyond the bid quantities, reconciles the unused portions of the bid quantities to calculate the final project quantities and adjust the Contract Price, and adjusts the Contract Time.

The Contractor is hereby directed to make the following changes in the Contract Documents for the Normandale Lake Drawdown Project.

1. Modification of the Contract quantity for Item F, Turtle Fencing (North of 84th Street) at the Lake Inlet Temporary Weir

Description: The Contract quantity is decreased from 585 lineal feet to 345 lineal feet.

Reason for Change: Less turtle fencing was needed than anticipated on the north side of West 84th Street.

Change in Contract Price: The Contract Price is decreased by \$1200.00, which reflects 240 lineal feet at a unit cost of \$5.00 per lineal foot.

2. Modification of the Contract quantity for Item H, Inlet Protection at the Lake Inlet Temporary Weir

Description: The Contract quantity is decreased from 4 to 3.

Reason for Change: Inlet protection was necessary on fewer catch basin inlets than anticipated.

Change in Contract Price: The Contract Price is decreased by \$165.00, which reflects one inlet protector at a unit cost of \$165.00.

3. Modification of the Contract quantity for Item J, Erosion Control Blanket at the Lake Inlet Temporary Weir

Description: The Contract quantity is decreased from 484 cubic yards to 0 cubic yards.

Reason for Change: Use of erosion control blanket was not necessary.

Change in Contract Price: The Contract Price is decreased by \$1089.00, which reflects 484 square yards at a unit cost of \$2.25 per square yard.

4. Modification of the Contract quantity for Item K, Street Sweeping at the Lake Inlet Temporary Weir

Description: The Contract quantity is decreased from 15 hours to 0 hours.

Reason for Change: Street sweeping was not necessary because the contractor opted to use steel plates to protect the sidewalks and trail, instead of a rock-based construction entrance.

Change in Contract Price: The Contract Price is decreased by \$2250.00, which reflects 15 hours at a unit cost of \$150.00 per hour.

5. Modification of the Contract quantity for Item F, Silt Fence/Turtle Fence at the Outlet Bypass

Description: The Contract quantity is increased from 11,965 lineal feet (change order #3) to 12,015 lineal feet.

Reason for Change: Additional silt fence was installed as part of the site restoration work at the creek inlet.

Change in Contract Price: The Contract Price is increased by \$130.00, which reflects 50 lineal feet at a unit cost of \$2.60 per lineal foot.

6. Modification of the Contract quantity for Item D, Construction Entrance at the Outlet Bypass

Description: The Contract quantity is decreased from 2 to 1.

Reason for Change: Only one construction entrance was necessary.

Change in Contract Price: The Contract Price is decreased by \$3500.00, which reflects one construction entrance at a unit cost of \$3500.00 per construction entrance.

7. Modification of the Contract quantity for Item J, Erosion Control Blanket at the Outlet Bypass

Description: The Contract quantity is decreased from 1646 square yards to 1580 square yards.

Reason for Change: Less erosion control blanket was necessary than anticipated

Change in Contract Price: The Contract Price is decreased by \$148.50, which reflects 66 square yards at a unit cost of \$2.25 per square yard.

8. Modification of the Contract quantity for Item K, Street Sweeping at the Outlet Bypass

Description: The Contract quantity is decreased from 15 hours to 0 hours.

Reason for Change: Street sweeping was not necessary.

Change in Contract Price: The Contract Price is decreased by \$2250.00, which reflects 15 hours at a unit cost of \$150.00 per hour.

9. Modification of the Contract quantity for Item U, remove existing valve, clearing of existing line so flow can pass, removing 18" CMP, plugging 21" RCP pipe end, remove gate valve, removing control structure top slab and filling structure after the new bypass system has been completed at the Outlet Bypass

Description: The Contract lump sum quantity is decreased from 1 to 0.25.

Reason for Change: Owner decided to keep existing 18" CMP, 21" RCP, gate valve and control structure in place for use during future drawdowns. The work was therefore limited to opening the existing gate valve and clearing of the existing line so flow can pass.

Change in Contract Price: The Contract Price is decreased by \$15,000.00, which reflects 0.75 of the lump sum item at a unit cost of \$20,000.00 per item.

10. Modification of the Contract quantity for Item V, 36" HDPE DR-17 at the Outlet Bypass

Description: The Contract quantity is decreased from 240 lineal feet to 170 lineal feet.

Reason for Change: The contract documents specify installation of 240 lineal feet of 36-inch HDPE pipe to serve as a bypass pipe. In fall 2018, only 170 feet of the 36-inch HDPE pipe was installed due to the soft sediments encountered. The Owner decided to forego installation of the remaining 70 feet of 36-inch HDPE pipe and the 36-inch flared end section (FES) to avoid potential negative impacts to turtles over-wintering in this area. This change order reflects the change in contract quantity.

Change in Contract Price: The Contract Price is decreased by \$24,500.00, which reflects 70 lineal feet at a unit cost of \$350.00 per lineal foot.

11. Modification of the Contract quantity for Item W, 36" CMP FES Aluminized at the Outlet Bypass

Description: The Contract quantity is decreased from 2 to 1 flared end sections (FES).

Reason for Change: The contract documents specify installation of two flared end sections on the upstream end of the new bypass pipe and one on the downstream end. The Owner decided to forego installation of the flared end section (FES) on the upstream side of the new bypass pipe due to difficult access conditions (soft sediments) and determination that the FES was no longer needed.

Change in Contract Price: The Contract Price is decreased by \$1800.00, which reflects one FES at a unit cost of \$1800.00 per FES.

12. Modification of the Contract quantity for Item T, Seeding Area at the Outlet Bypass

Description: The Contract quantity is increased from 0.34 acres to 0.57 acres.

Reason for Change: Additional seeding was required to restore site vegetation due to a larger area than anticipated being disturbed as part of construction of the new bypass outlet.

Change in Contract Price: The Contract Price is increased by \$2921.00, which reflects 0.23 acres at a unit cost of \$12,700.00 per acre.

13. Modification of the Contract quantity for Item CC, Remove and replace buried chain link fence rodent barrier at the Outlet Bypass

Description: The Contract lump sum quantity is decreased from 1 to 0.5.

Reason for Change: The existing chain link fence buried near the shoreline of the lake was removed for installation of the new bypass pipe. The chain link fence was not replaced because the rip-rap that was installed in this location should act as a rodent deterrent.

Change in Contract Price: The lump sum Contract Price is decreased by \$2000.00, which reflects 0.5 of the lump sum of \$4000.00 for the item.

14. Modification of the Contract final completion date

Description: The Contract indicates Work shall be complete and ready for final payment in accordance with paragraph 14.06 of the General Conditions not later than September 1, 2019. The Contract final completion date will be extended to October 1, 2019.

Reason for Change: Completion of the restoration work was delayed due to frequent rainfall throughout July and August.

Change in Contract Price: There is no change in Contract Price.

Change in Contract Time: The Contract Time will change such that the final completion date is extended to October 1, 2019.

Recommended By: _____
Janna Kieffer (Engineer)

Date: _____
BARR ENGINEERING CO.

Submitted By: _____
(Contractor)

Date: _____
RACHEL CONTRACTING, INC.

Approved By: _____
Randy Anhorn (Administrator)

Date: _____
NINE MILE CREEK WATERSHED DISTRICT