# CHANGE ORDER

Change Order No 3

Sheet No. 1 of 2
County Jasper
Route_____

To: R.E. Smith Construction Co. Project: Joplin Public Park (CDBG Mercy Park)

You are hereby directed to make the following changes from the contract. Job No. 2015-011

1. Description and Reason for Change (Attach Supplemental Sheets if Required)
   -Drainage Trench with 4" perforated pipe backfilled with rock

2. Estimate of Cost of work Affected by this Change Order. $14,970.00

| (A) EST. LINE NO. | (B) CONTRACT ITEM NO. | I ITEM DESCRIPTION | (D) UNITS PREVIOUSLY PROVIDED FOR | I UNITS TO BE CONSTRUCTED | (F) UNITS OVERRUN, UNDERRUN, CONTINGENT | (G) CONTRACT OR AGREED UNIT PRICE | (H) AMOUNT OF OVERRUN OR PLUS CONTINGENT | (I) AMOUNT OF UNDERRUN OR MINUS CONTINGENT |
|---|---|---|---|---|---|---|---|---|
| NL22 | 22 | Drainage Trench w/ 4" perforated, drainage rock backfill | 0 | 1 | 1 | $14,970.00 | $14,970.00 | $0 |
| | | | | | | | | |
| | | | | | | TOTALS | $14,970.00 | $0 |

3. Settlement for Cost of the above Change to be made at Contract Unit Price Except as Noted:

| | | | |
|---|---|---|---|
| 1. CONTRACT AMOUNT | | $4,031,000.00 | The Terms of Settlement outlined above are hereby agreed to. |
| 2. OVERRUN THIS ORDER | $ | 14,970.00 | R.E. Smith Construction Co. |
| 3. OVERRUN PREVIOUS | $ | 14,850.00 | CONTRACTOR |
| 4. TOTAL OVERRUN TO DATE | $ | 29,820.00 | by :_____ _____ |
| 5. TOTAL | | $4,060,820.00 | Date |

This change adds no additional days to the contract.

_____ 12.18.15
SUBMITTED ENGINEER DATE

_____ _____
APPROVAL CITY MANAGER DATE

**Fig. 136.11.2**

Revised 01-01-09

## Joplin Public Park
## Change Order ~~#4~~ #3 Descriptions

### ❖ Item # 22- Drainage Trench w/ 4" perforated and drainage rock backfill

- This is additional cost associated with the drainage trench to release groundwater at the bottom of the lake.
- This is a lump sum, not to exceed amount. Linear Footage is provided for cost analysis purposes.

NOTE: Other alternatives were investigated to determine viability. The use of a sump pump and hose were investigated and found to have merit on the surface. The pond having 3 low areas would most likely require 3 pumps to keep each dry. There would also need to be a generator to run the pumps full time. Given the construction sequencing, if the membrane when in quickly (1-3 days), the backfilling operation would not be able to be done in the same timeframe, leading water to accumulate under the membrane before the sand could be placed. Therefore without knowing for certain how long each operation (membrane placement and backfill) will take, the only way to make certain we have no excessive groundwater is to install a trench drain with inlets/sumps in the low point of each basin. Grades were not conducive to either draining around or minimizing the piping any more.

- Drainage Trench =820 LF @ $18.2561 /LF = $14,970.00

- Oregon Department of Aviation Cost Estimate Update (2009)
  - Line 1.4.0: Drainage 6" PVC Underdrain:
    - High Bid: $23.67 LF
    - Low Bid: $11.25 LF
    - Average Bid: $17.72 LF
  - The contractor's supplied unit cost is slightly above the (2009) average but appears reasonable in comparison to the above bid tabs.

RE Smith
CONSTRUCTION COMPANY

1036 West 2nd
Joplin, MO 64801
Ph : (417)623-4545

# Change Request

**To:** Brandon Jones
CITY OF JOPLIN
602 S. MAIN ST.
JOPLIN, MO 64801

**Number:** 2
**Date:** 12/15/15
**Job:** 15-7735 JOPLIN PUBLIC PARK
**Phone:**

**Description:** Providing drainage trench

We are pleased to offer the following specifications and pricing to make the following changes:

Provide 820 lf drainage trench with 4" perforated backfilled with drainage rock.

The total amount to provide this work is ..... $14,970.00

If you have any questions, please contact me at (417)623-4545.

Submitted by: DAVE SMITH
R. E. S.

Approved by: _____
Date: _____

Cc:

