

**CHANGE ORDER**

No. 3

**DATE OF ISSUANCE** April 14, 2016 **EFFECTIVE DATE** April 14, 2016  
**OWNER** Lexington-Fayette Urban County Government  
**CONTRACTOR** Judy Construction Company  
**Contract:** Wolf Run Wet Weather Storage Facility  
**Project:** Wolf Run Wet Weather Storage Facility  
**OWNER'S Contract No.** WR-8; Bid No. 21-2015 **ENGINEER'S Contract No.** 200-11681-14002  
**ENGINEER** Tetra Tech, Inc.

**You are directed to make the following changes in the Contract Documents:**

**Description:** See Attached Part 1

**Reason for Change Order:** Item 1-1 was requested by Contractor due to changed site conditions. Items 1-2 and 1-4 were requested by LFUCG for architectural improvements and visual enhancement. Item 1-3 was requested by LFUCG to allow for future projects to connect to the Wolf Run WWS project without disturbing this site.

**Attachments: (List documents supporting change)** Part 1 – Contract Amount Changes; Part 2 – Time Extensions; Exhibit CO-2, Architectural Improvements (L-201, L-501, L-502), change order proposal letters from Judy Construction Company

CHANGE IN CONTRACT PRICE:
Original Contract Price: \$ <u>4,740,000</u>
Net Increase (Decrease) from Previous Change Orders No. <u>1</u> to <u>2</u> : \$ <u>664,596.00</u>
Contract Price Prior to this Change Order: \$ <u>5,404,596.00</u>
Net Increase (Decrease) of this Change Order: \$ <u>182,763</u>
Contract Price with all Approved Change Orders: \$ <u>5,587,359</u>

CHANGE IN CONTRACT TIMES:
Original Contract Times: <u>365 Days – April 20, 2016</u> (days or dates)
Net Change from Previous Change Orders No. <u>1</u> to No. <u>2</u> : <u>163 days</u> (days)
Contract Times Prior to this Change Order: <u>528 Days – September 30, 2016</u> (days or dates)
Net Increase (Decrease) this Change Order: <u>0 days</u> (days)
Contract Times with all Approved Change Orders: <u>365 days – September 30, 2016</u> (days or dates)

RECOMMENDED:  
By: [Signature]  
ENGINEER (Authorized Signature)

APPROVED:  
By: [Signature]  
OWNER (Authorized Signature)

APPROVED:  
By: [Signature]  
CONTRACTOR (Authorized Signature)

DATE: 4-14-2016

DATE: 5-3-16

DATE: 5/3/16

**Change Order No. 3  
Lexington-Fayette Urban County Government  
Wolf Run Wet Weather Storage Facility**

**April 14, 2016**

**Part 1 – Contract Amount Changes**

<b>Item</b>	<b>Description</b>	<b>Unit</b>	<b>Estimated Quantity</b>	<b>Unit Price</b>	<b>Total Price</b>
1-1	Credit for DGA Fill around the wet well	LS	1.0	(\$11,486.00)	(\$11,486.00)
1-2	Running Conduits around top of tank to lights	LS	1.0	\$3,600.00	\$3,600.00
1-3	Additional 42" gravity sewer	LS	1.0	\$148,328.00	\$148,328.00
1-4	Architectural Improvements	LS	1.0	\$42,321.00	\$42,321.00
<b>TOTAL</b>					<b>\$182,763.00</b>

**NOTES:**

**Item 1-1**

The original contract listed DGA as backfill around the wet well, to the top of the rock surface. Due to groundwater conditions, concrete will be used as the backfill material around the wet well. Item 1-1 lists the credit amount of the labor, materials, and incidentals included in placing the DGA to the specifications.

**Item 1-2**

- A. Measurement and payment for this item shall be on a lump sum basis for work completed, tested and operational conduits and lighting.
- B. Item 1-2 includes the installation of the wiring around the top of the tank to the tank lights.

**Item 1-3**

- C. Measurement and payment for this item shall be on a lump sum basis for work completed, tested and operational piping.
- D. This item includes all materials, equipment, labor, hauling, testing and incidentals required for the Contractor to complete the work shown on exhibit CO-2. Work under this item includes the installation of 170 linear feet of 42-inch FRP gravity pipe, the installation of 49 linear feet of 30-inch FRP gravity pipe, the coring of the existing manhole, and the removal of an out of service manhole. Incidental to this item is bypass pumping, and required tree removal, the removal of any required utilities.

**Item 1-4**

- A. Measurement and payment shall be on a lump sum basis for the architectural improvements listed below.
- B. This item includes all materials, equipment, labor, hauling, and incidentals required for the Contractor to complete the architectural improvements shown on Sheets L-201, L-501 and L-502, attached. Work under this item includes replacing a portion of the original contract chain link fence with approximately 180 linear feet of a faux wrought iron fence, installing stone columns at the entrance and changes to the landscaping plan.

**Change Order No. 1  
Lexington – Fayette Urban County Government**

**April 14, 2016**

**Part 2 – Time Extensions**

There are no time extensions requested.

# **JUDY** Construction Co. GENERAL CONTRACTORS

P.O. BOX 457      CYNTHIANA, KENTUCKY 41031  
Telephone (859) 234-6900      Fax (859) 234-3480  
www.judyconstructionco.com

November 19, 2015

Tetra Tech  
424 Lewis Hargett Circle, Suite 110  
Lexington, KY 40503  
Attn: Herb Lemaster, P.E.

Ref: Wolf Run Wet Weather Storage Facility  
Tank Lighting Conduit  
COP # 6

Dear Mr. Lemaster,

We have prepared the following proposal to reroute the electrical conduit for the tank lighting around the top of the tank.

Reroute electrical conduit on tank      \$3,600.00

If this proposal is acceptable, please incorporate it into the next change order. If you have any questions, feel free to call me.

Sincerely,



Paul Lawrence

cc: Ben Williams  
COP File

PL/lj



# JUDY

**Construction Co.**  
GENERAL CONTRACTORS

P.O. BOX 457 CYNTHIANA, KENTUCKY 41031  
Telephone (859) 234-6900 Fax (859) 234-3480  
www.judyconstructionco.com

March 17, 2016

Tetra Tech  
424 Lewis Hargett Circle, Suite 110  
Lexington, KY 40503  
Attn: Herb Lemaster, P.E.

Ref: Wolf Run Wet Weather Storage Facility  
42" Gravity Sewer Line  
COP # 7

Dear Mr. Lemaster,

We have prepared the following proposal for the additional 42" gravity sewer line per your drawing CO-2. Our price includes provisions to remove the existing power pole, cable and phone lines, as well as a tree by the existing manhole. The base price includes using HOBAS piping with alternate pricing for Ductile Iron and PVC.

Relocate existing 42" gravity sewer	\$148,328
Add to use PVC	\$17,819
Add to use Ductile Iron	\$32,035

We are concerned the existing 4' diameter manhole that we are tying the new 30" line into may need to be replaced. We have not included a new 4' diameter manhole in our price or any work associated with the existing gravity sewer line. If requested, we can provide a proposal to replace the existing manhole after it is exposed and inspected.

Per your request, we have sent a separate proposal requesting a time extension. If this is acceptable, please incorporate it into the next change order. If you have any questions, feel free to call me.

Sincerely,



Paul Lawrence

cc: Ben Williams  
Darryl Wells  
COP File



PL/lj

*Celebrating 40 Years of Business*



# JUDY

**Construction Co.**  
GENERAL CONTRACTORS

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Telephone (859) 234-6900 Fax (859) 234-3480  
[www.judyconstructionco.com](http://www.judyconstructionco.com)

March 9, 2016

Tetra Tech  
424 Lewis Hargett Circle, Suite 110  
Lexington, KY 40503  
Attn: Herb Lemaster, P.E.

Ref: Wolf Run Wet Weather Storage Facility  
Architectural Improvements  
COP # 9

Dear Mr. Lemaster,

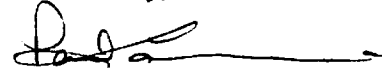
We have prepared the following proposal for the architectural improvements to the landscaping and fence per your drawings L201, L501 and L502.

Fencing and landscaping improvements	\$42,321.00
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NOTE: The request for additional time related to this proposal will be issued in a separate proposal as directed by the owner.

If this proposal is acceptable, please notify us and add to the next change order. Feel free to contact me with any questions.

Sincerely,



Paul Lawrence

cc: Ben Williams  
Darryl Wells  
COP File

PL/lj



*Celebrating 40 Years of Business*



**LeMaster, Laura**

---

**From:** Paul Lawrence <plawrence@judyconstructionco.com>  
**Sent:** Friday, November 06, 2015 3:00 PM  
**To:** LeMaster, Laura  
**Cc:** Lemaster, Herbert; Ben Williams  
**Subject:** Pump Station Backfill

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

Laura,

Here is a breakdown for the flowable fill that we poured around the pump station:

Flowable fill placed – 387CY @ \$189/CY = \$73,143  
Credit for stone & difference in conc.  
Unit price = \$11,486  
TOTAL \$61,657

Do you want me to bill this to the change order concrete fill line in the pay estimate?

**Paul Lawrence**  
**Project Manager**



PO Box 457  
Cynthiana, KY 41031  
Phone 859-234-6900  
Fax 859-234-3480  
[www.judyconstructionco.com](http://www.judyconstructionco.com)



**LeMaster, Laura**

---

**From:** Paul Lawrence <plawrence@judyconstructionco.com>  
**Sent:** Friday, March 18, 2016 4:54 PM  
**To:** Lemaster, Herbert; LeMaster, Laura  
**Cc:** Ben Williams  
**Subject:** FW: Wolf Run CO Breakdown

Herb,  
Here is the cost breakdown for the 42" pipe relocation proposal.

Material	\$67,460.00
Labor	\$38,694.00
Subcontract	\$19,924.00
Overhead and Profit	\$22,250.00

Let me know if you have any questions.

Paul Lawrence  
Project Manager



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Cynthiana, KY 41031  
Phone 859-234-6900  
Fax 859-234-3480  
[www.judyconstructionco.com](http://www.judyconstructionco.com)

## LeMaster, Laura

---

**From:** Paul Lawrence <plawrence@judyconstructionco.com>  
**Sent:** Friday, April 01, 2016 1:08 PM  
**To:** Lemaster, Herbert; LeMaster, Laura  
**Cc:** Ben Williams  
**Subject:** Change Order Breakdown

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Herb/Laura,  
Here is the breakdown you requested on the material for the 42" pipe relocation proposal.

Demo, raise MH, pumping, erosion control	\$8,500
8' diameter MH	7,200
6' diameter MH credit	(4,200)
HOBAS pipe	37,050
Credit for 42" DIP (pipe is already on site, credit Includes restocking fees)	(8,437)
Pipe bedding & pipe accessories	5,200
Sales tax, Travel Expenses, Supervision, Etc.	5,300
Equipment & Fuel	<u>16,847</u>
Total	\$67,460

**Paul Lawrence**  
**Project Manager**



PO Box 457  
Cynthiana, KY 41031  
Phone 859-234-6900  
Fax 859-234-3480  
[www.judyconstructionco.com](http://www.judyconstructionco.com)

## LeMaster, Laura

---

**From:** Paul Lawrence <plawrence@judyconstructionco.com>  
**Sent:** Monday, March 14, 2016 10:16 AM  
**To:** Lemaster, Herbert; LeMaster, Laura  
**Cc:** Ben Williams  
**Subject:** FW: Wolf Run

Here is the breakdown you requested. Let me know if you have any questions.

Fence 29,062.00  
Landscaping 4,120  
Masonry 4,998  
Concrete/Excavation/Supervision 4,141

Total 42,321

**Paul Lawrence**  
**Project Manager**



PO Box 457  
Cynthiana, KY 41031  
Phone 859-234-6900  
Fax 859-234-3480  
[www.judyconstructionco.com](http://www.judyconstructionco.com)

## LeMaster, Laura

---

**From:** Paul Lawrence <plawrence@judyconstructionco.com>  
**Sent:** Wednesday, April 13, 2016 3:10 PM  
**To:** Lemaster, Herbert; LeMaster, Laura  
**Subject:** FW: Fence Breakdown

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Here is the breakdown on the fence pricing

He didn't give a per foot price because the fence is panelized and has several components. He didn't want to price it by the foot because it wouldn't be accurate. There is a total of 136LF

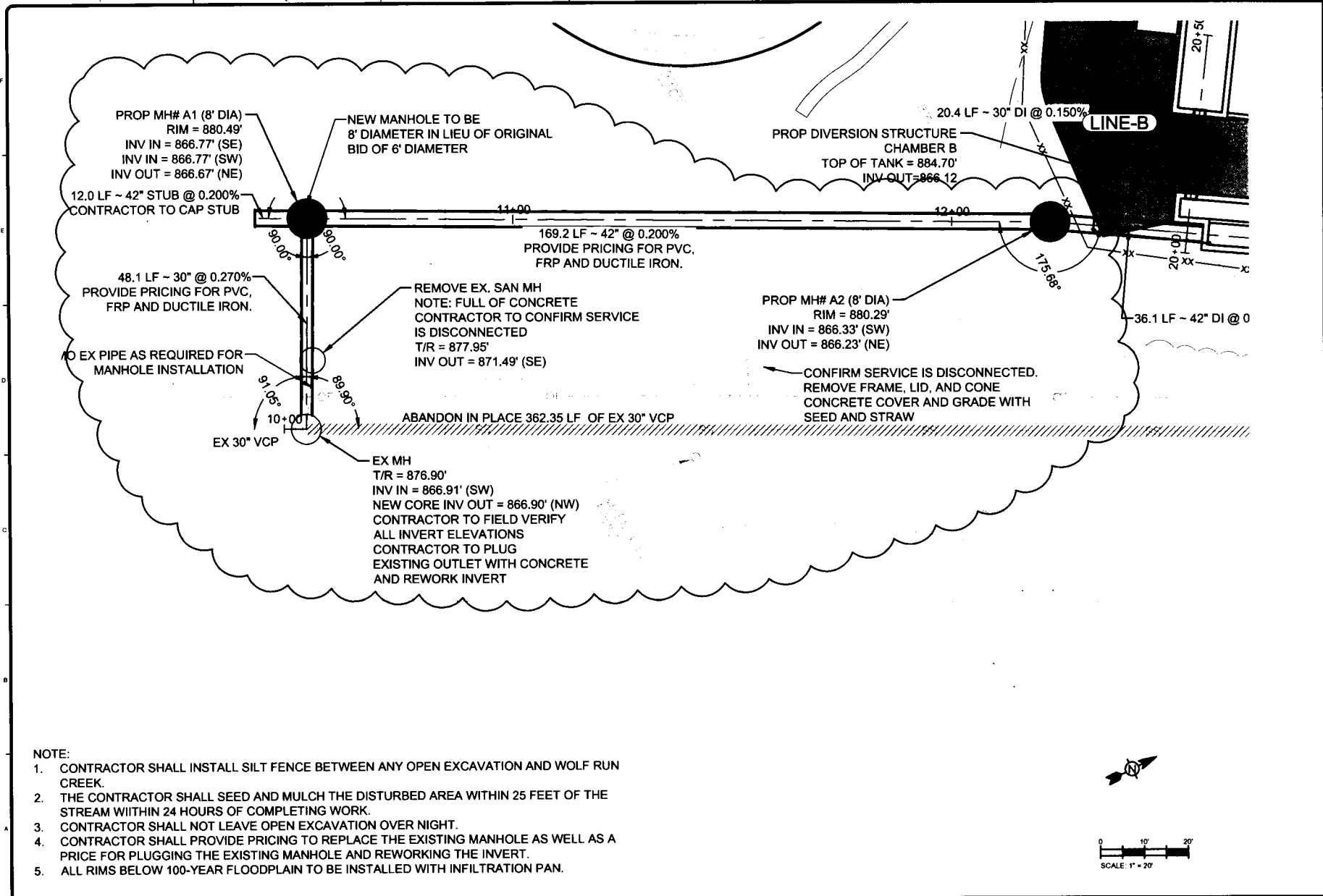
New Fence Price:	\$37,425
Credit for Chain-link:	<u>\$8,363</u>
Total Add	\$29,062.00

**Paul Lawrence**  
**Project Manager**



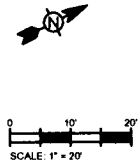
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Fax 859-234-3480  
[www.judyconstructionco.com](http://www.judyconstructionco.com)

2/17/2016 11:03:33 AM P:\06111601\1601-1402\CAMOBELE\WOLF RIVER CHANGE ORDER 2-3-16.DWG - UHMASTER LAURA



**NOTE:**

1. CONTRACTOR SHALL INSTALL SILT FENCE BETWEEN ANY OPEN EXCAVATION AND WOLF RUN CREEK.
2. THE CONTRACTOR SHALL SEED AND MULCH THE DISTURBED AREA WITHIN 25 FEET OF THE STREAM WITHIN 24 HOURS OF COMPLETING WORK.
3. CONTRACTOR SHALL NOT LEAVE OPEN EXCAVATION OVER NIGHT.
4. CONTRACTOR SHALL PROVIDE PRICING TO REPLACE THE EXISTING MANHOLE AS WELL AS A PRICE FOR PLUGGING THE EXISTING MANHOLE AND REWORKING THE INVERT.
5. ALL RIMS BELOW 100-YEAR FLOODPLAIN TO BE INSTALLED WITH INFILTRATION PAN.



**TETRA TECH**

424 LEWIS HARGETT CIRCLE, SUITE 110  
LEWISTON, NY 40860  
PH: (606) 224-0020 FAX: (606) 224-0022

MARK	DATE	DESCRIPTION

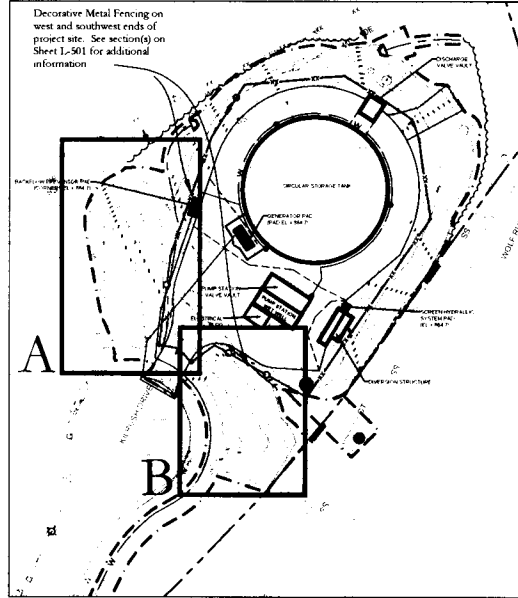
Project No. 200-1981-14022  
Designed By: LEL  
Drawn By: WDV  
Checked By: HRL

**CHANGE ORDER**  
PROPOSED RELOCATED 42"  
SEWER PIPE AND MANHOLE

**CO-2**

Copyright: Tetra Tech

Decorative Metal Fencing on west and southwest ends of project site. See section(s) on Sheet L-501 for additional information

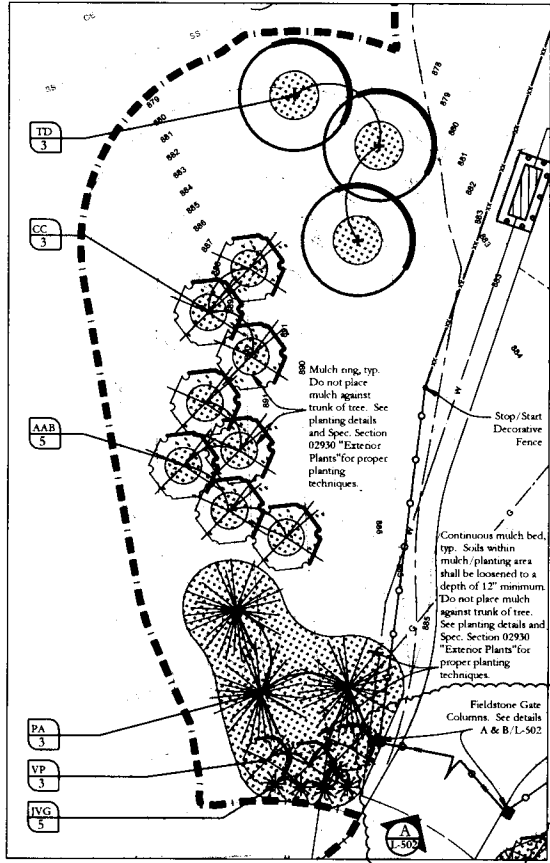


**Site Key Plan**

SCALE: 1" = 40'-0"

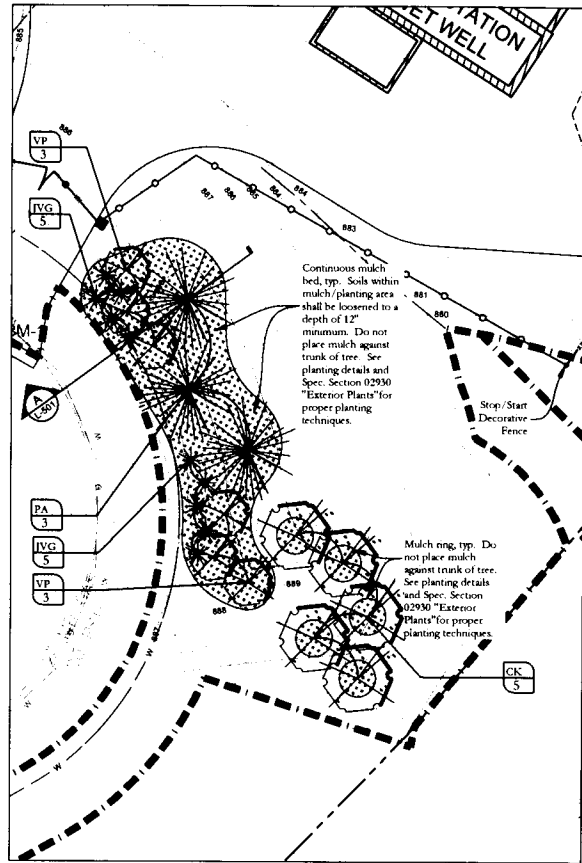
**General Landscape Notes:**

- A. The Contractor is hereby notified of the existence of underground utilities. The Contractor shall verify the location and prevent all utility pines to the commencement of digging. Notify the Project Engineer/Landscape Architect of any conflicts prior to proceeding. Contractor assumes liability for utilities damaged, interrupted utility services.
- B. Plant material quantities are provided for the convenience of the Owner/Contractor and may need field adjustment from this plan based upon unseen and/or unfavorable conditions encountered on the site. Verify adjustments with Landscape Architect prior to installation unless the Owner/Contractor is provided a bill.
- C. The contractor shall be responsible for staking, when determined necessary, and layout of the plantings on the project. See Appendix C of the planing layout in the field with the Landscape Architect prior to opening any planting pits or beds unless indicated otherwise by Owner.
- D. See specifications for additional requirements, where provided.
- E. The contractor shall prepare a cultivated bed around each group of shrubs and/or ground cover beds, the same shape and size as shown on the plan. The entire bed shall be mulched per planting details. A ramp, well defined edge shall be developed between any shrub and/or ground cover bed and the adjoining lawn area.
- F. All plant material installations shall be performed in accordance with the details provided on Sheet L-501. The provided details are the basis of all work to be done on the project. See the L.P.A.C.C. guidelines.
- G. Only nursery grown plant material from the same USDA Hardiness Zone (Zone 6) shall be used unless verified with Landscape Architect. Collected plant material is not acceptable and will be rejected by the Landscape Architect. Plant material shall be inspected by Landscape Architect prior to installation. See General Note "T".
- H. Unless otherwise indicated, shredded hardwood bark mulch shall be used on all shrub and/or ground cover beds and around all trees planted in accordance with the planting details, being careful to not place mulch immediately adjacent to the plant stem(s)/trunk. Non-compliance will result in correction or replacement of entire work.
- I. All landscape planting beds shall be tilled a minimum of 18" deep and soil shall be amended with 1 pt organic material additives to 4 pts native in place soil. Soil that is wet or sticky shall be mixed with additional fine compost and allowed to dry out prior to planting. NO plantings shall take place in mud or the muck. Beds shall be mulched continuously to a depth of 3", typical.
- J. The Contractor shall be responsible for the complete removal of all building cords and ropes from the trunks of all balled and burlapped (or non-contrainer grown) plant material during planting as required by the planting details. Any debris, fiber, identification tags and ribbons shall be removed completely from all plant material at the time of planting. Wire tree baskets shall be cut and removed per details prior to the killing and mulching.
- K. All existing lawn areas disturbed by construction, including but not limited to grading & earthwork and site utility work, shall be finish graded to match existing grades and seeded to match unless otherwise indicated. Erosion limits of seeding/wedding to include all disturbed areas.
- L. All plant material shall be approved for size, shape and form by Landscape Architect prior to delivery to the site and installation unless otherwise indicated or approved without each approval.
- M. Unless otherwise authorized by the Landscape Architect, median spreading shrubs shall be planted no closer than 30" in any adjoining wall or paved area. Large spreading shrubs shall be planted no closer than 30" to any adjoining wall or paved area. Espaliered shrubs and climbing vines, if present, shall be planted no closer than 12" from any wall.
- N. Contractor shall comply and be in compliance with industry standard ANSI A 300 for woody plant material planting, tree protection, pruning and the like. Standards are contractually available via the ISA (International Society of Arboriculture).
- O. Tree stumps and related wood chips should be ground down and removed to a minimum depth of 12" for best results. Wood chips should be avoided as mulch under specified mulch or as an amendment for topsoil/planting soil (as directed).
- P. Tree stakes shall ONLY be performed if trees are unable to sustain results or weather and shall not be kept on the trees longer than one year. After this point all stakes and straps shall be removed to avoid damaging the sapwood/health of the trees. No metal stakes, wires and/or hoses are permitted.
- Q. See Detail Sheet L-501 and specifications section 02930 "Exterior Plants" for additional information & details, typical.



**Berm A Landscape Plan**

SCALE: 1" = 10'-0"



**Berm B Landscape Plan**

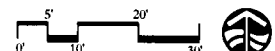
SCALE: 1" = 10'-0"

**LANDSCAPE LEGEND:**

- 3" Shredded hardwood mulch. See planting details and Spec. Section 02930 "Exterior Plants".
- Shade Trees: See details B and P/L-501 for planting and Specifications section 02930 "Exterior Plants".
- Evergreen Trees: See details B and C/L-501 for planting and Specifications section 02930 "Exterior Plants".
- Ornamental Trees: See details B and D/L-501 for planting and Specifications section 02930 "Exterior Plants".
- Evergreen Shrubs: See detail E/L-501 for planting and Specifications section Plant Materials.
- New ornamental fencing and gates. See details A, B, C/L-501 for material, installation details.

**Plant Material Schedule:**

KEY	Botanical Name	Common Name	Ball Size	Height	Galper	Notes
<b>TREES/SHRUBS</b>						
JVG	<i>Juniperus virginiana 'Grey Owl'</i>	Grey Owl Juniper	No 7 corr.	24-30" min		Marking plants with full, broad spreading, rich blue grey colored crown
PA	<i>Pinus strobus</i>	Norway Spruce	B & B	8-10' min		Marking plants with full, sym. crown to ground & single stem (3" Cl. Trunk)
VP	<i>Thuja occidentalis</i>	Blue/Grey Yew	B & B	30" min		Marking plants with full, sym. crown to ground & single stem (3" Cl. Trunk)
VP	<i>Juniperus horizontalis 'Mantles of Gold'</i>	Mantles of Gold Juniper	B & B	8" min		Marking plants with full, sym. crown to ground & single stem (3" Cl. Trunk)
AAB	<i>Amorpha canescens 'Autumn Reflection'</i>	Autumn Reflection Sensitiveberry	B & B	N/A	3" Diam	Tree form, Marking plants with full, sym. crown & single stem (3" Cl. Trunk)
CC	<i>Chamaecrista mollis 'Parsons Purple'</i>	Parsons Purple American Yellowwood	B & B	N/A	3" Diam	Tree form, Marking plants with full, sym. crown & single stem (3" Cl. Trunk)
CC	<i>Cercis canadensis 'Forest Papyrus'</i>	Forest Papyrus Eastern Redbud	B & B	N/A	3" Diam	Tree form, Marking plants with full, sym. crown & single stem (3" Cl. Trunk)



**TETRA TECH**  
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474 LEWIS HARRIET CIRCLE, SUITE 110  
LEWISTON, NY 14603  
PH: (607) 233-6000 FAX: (607) 234-1028

**P.L.A. perkins landscape architecture, llc**  
www.perkinsla.com  
248 MILLERS DR. 3RD FL. LEWISTON, NY 14603  
PH: (607) 233-6000 FAX: (607) 234-1028

**STATE OF VERMONT**  
REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT  
P.L.A. PERKINS LANDSCAPE ARCHITECTURE, LLC  
LICENSE NO. 000000218

**RFW**  
REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT  
REYNOLDS & FERRELL, INC.  
100 MARKET STREET, SUITE 100  
LEWISTON, NY 14603  
PH: (607) 233-6000 FAX: (607) 234-1028

**BY**

**DATE**

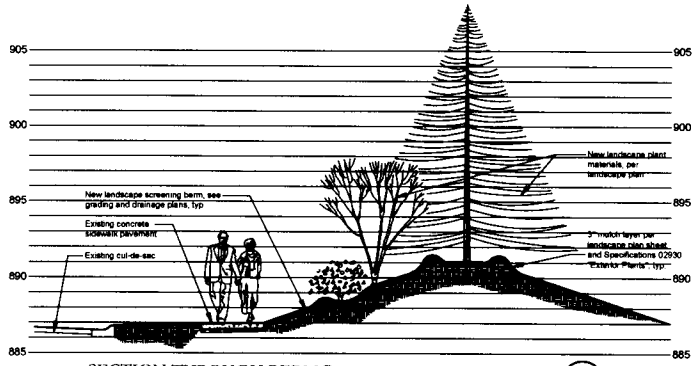
**DESCRIPTION**

**MARK**

Project No.: 200-1198-1-1002  
Designed By: JEP  
Drawn By: JEP  
Checked By:  
Copyright Tetra Tech

**CIRCULAR OPTION STORAGE TANK PLANTING PLAN**

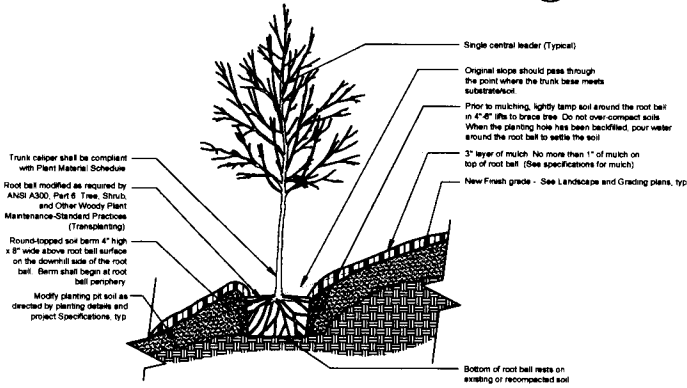
**L-201**  
Bar Measures 1 inch



SECTION THROUGH BERM B

Scale: 1/4" = 1'-0"

(A)



TYPICAL TREE PLANTING ON SLOPE 5% (20:1) TO 50% (2:1)

Not to Scale

(B)

NOTES

- Commercial grade polypropylene tree strap (no wires permitted)
- Auger type anchor in line with strap, 24" min. Staking only required where determined necessary to protect from adverse conditions. Verify need with Landscape Architect
- Finished grade
- One third depth of rootball
- Taper & scarry side of tree pit
- Set top of root ball 2" higher than finished grade
- 3" mulch, see specifications
- Remove burp from top one third of root ball
- Soil mix - 4 parts topsoil to 1 part organic matter
- Backfill w. ex. topsoil (no stones >1" dia.) @ 10% quantity or less
- Existing sub-grade
- 2" raised sub-grade platform
- See specifications for additional requirements
- Prune only as directed by landscape architect

GENERAL: Refer to Detail DT-501, for typical detail on tree planting on slopes and earth berms

EVERGREEN TREE PLANTING & GUYING

Not to Scale

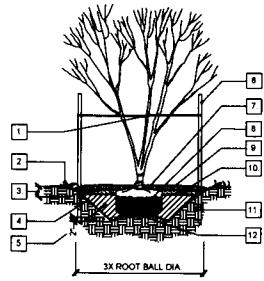
(C)

NOTES

- Commercial grade polypropylene tree strap (no wires permitted)
- Original grade
- One third depth of rootball
- Taper & scarry side of tree pit
- Backfill w. ex. topsoil (no stones >1" dia.) @ 10% quantity or less
- 2"x2"x8' untreated hardwood stake. Staking only required where determined necessary to protect from adverse conditions. Verify need with Landscape Architect
- Set top of root ball 2" higher than finished grade
- Remove burp from top one third of root ball
- 3" mulch, see specifications
- Soil mix - 4 parts topsoil to 1 part organic matter
- Existing sub-grade
- 2" raised sub-grade platform
- See specifications for additional requirements
- Prune only as directed by landscape architect

STAKING SCHEDULE

CALIBRE	# OF STAKES
1"	2 STAKES
2"	3 STAKES



ORNAMENTAL TREE PLANTING DETAIL

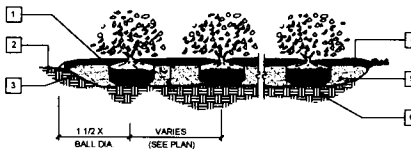
Not to Scale

(D)

NOTES

- Remove burp from top one third of root ball
- Finished grade
- Taper & scarry side of pit
- 3" mulch, see specifications
- Soil mix - 4 parts topsoil to 1 part organic matter (see specifications)
- Existing sub-grade
- See specifications for additional requirements
- Prune only as directed by landscape architect

GENERAL: Refer to Detail DT-501, for typical detail on tree planting on slopes and earth berms



TYPICAL SHRUB MASS PLANTING

Not to Scale

(E)

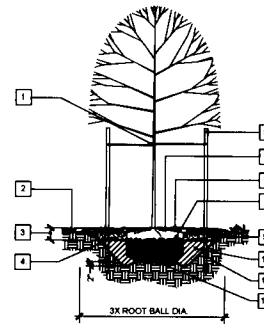
NOTES

- Commercial grade polypropylene tree strap (no wires permitted)
- Finished grade
- One third depth of rootball
- Taper & scarry side of tree pit
- 2"x2"x8' untreated hardwood stake. Staking only required where determined necessary to protect from adverse conditions. Verify need with Landscape Architect
- Set top of root ball 2" higher than finished grade
- 3" mulch, see specifications
- Remove burp from top one third of root ball
- Soil mix - 4 parts topsoil to 1 part organic matter
- Backfill w. ex. topsoil (no stones >1" dia.) @ quantity of 10% or less
- Existing sub-grade
- 2" raised sub-grade platform, compacted
- See specifications for additional requirements
- Prune only as directed by landscape architect

GENERAL: Refer to Detail DT-501, for typical detail on tree planting on slopes and earth berms

STAKING SCHEDULE

CALIBRE	# OF STAKES
1"	2 STAKES
2"	3 STAKES



SHADE TREE STAKING & PLANTING

Not to Scale

(F)

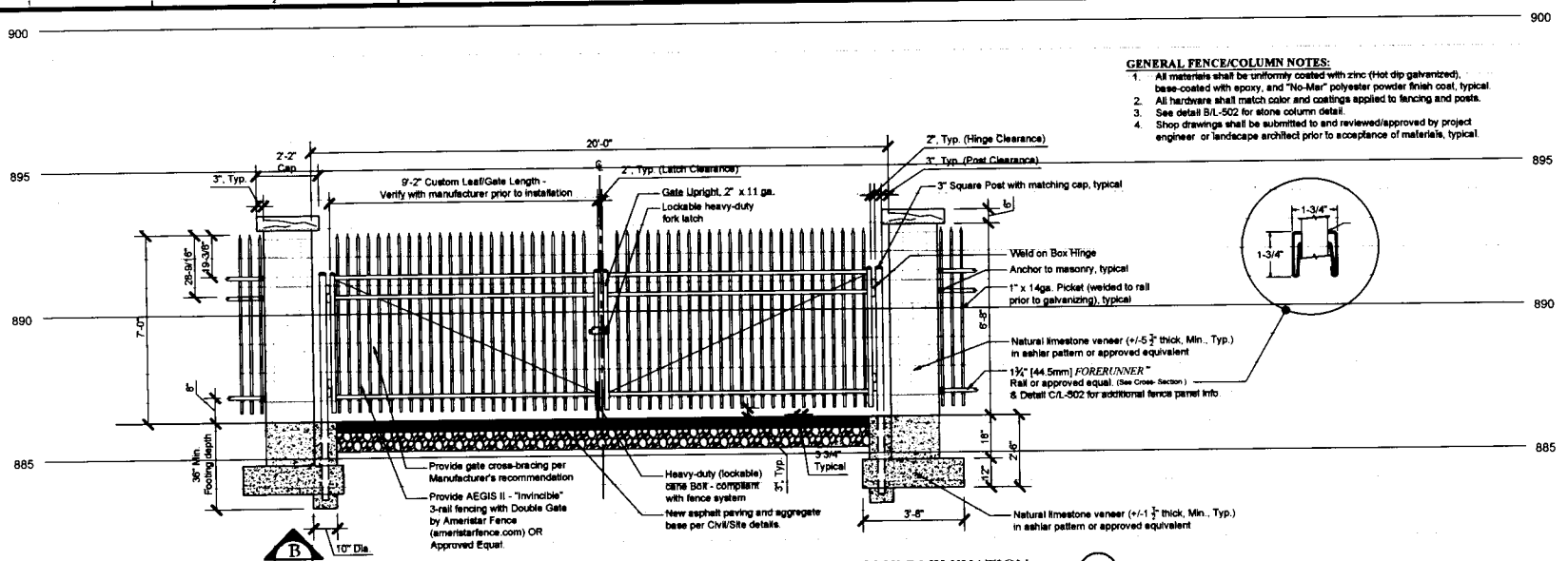
MARK	DATE	DESCRIPTION

Landscape Plans, Utility, Grading, Construction, and Other Documents
LFUCG Bid. No.
RMP ID No. - VWR-B

Project No. - 200-1198-1-14022
Designed By - JEP
Drawn By - JEP
Checked By -

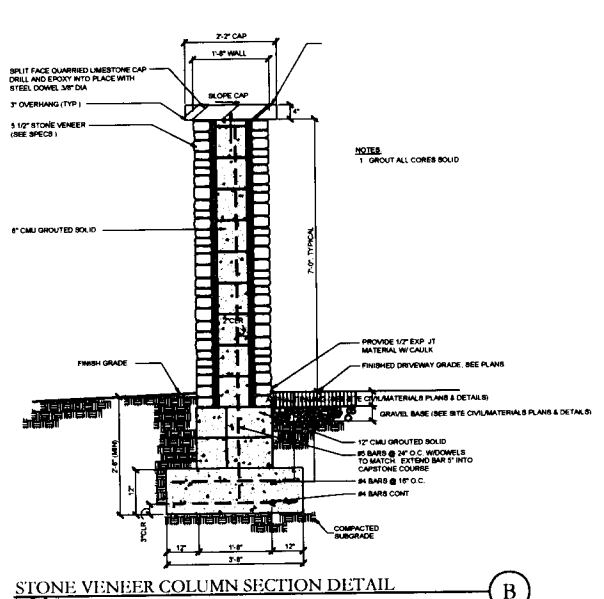
L-501

2/10/16 8:19:28 PM - C:\USERS\PERINOR\WORKSPACE\FINAL STORAGE - FANSDONKINGS\PA\_121916\_L\COL-FENCE\STORAGE-TAKE.DWG - JORJATHAN.PERINS

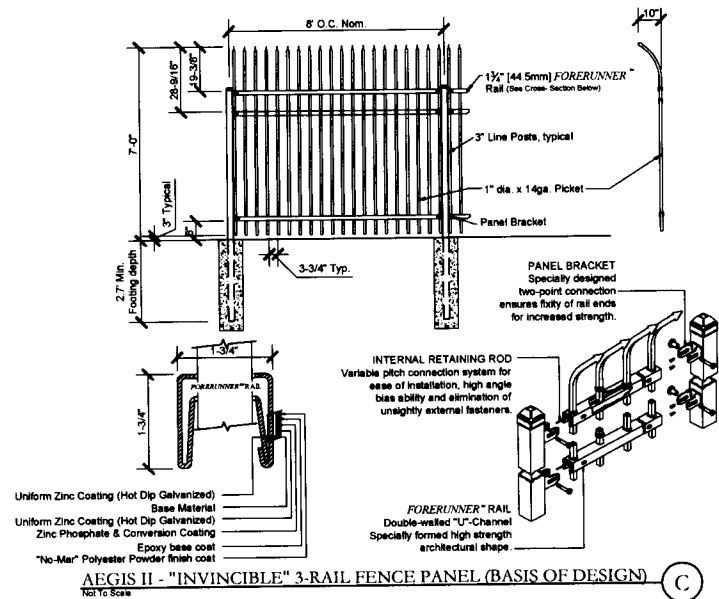


- GENERAL FENCE/COLUMN NOTES:**
- All materials shall be uniformly coated with zinc (hot dip galvanized), base-coated with epoxy, and "No-Mar" polyester powder finish coat, typical.
  - All hardware shall match color and coatings applied to fencing and posts.
  - See detail B/L-502 for stone column detail.
  - Shop drawings shall be submitted to and reviewed/approved by project engineer or landscape architect prior to acceptance of materials, typical.

**NEW METAL DOUBLE-SWING GATE AND STONE COLUMN ELEVATION**



**STONE VENEER COLUMN SECTION DETAIL**



**AEGIS II - "INVINCIBLE" 3-RAIL FENCE PANEL (BASIS OF DESIGN)**

**TETRA TECH**  
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STATE OF KENTUCKY  
LANDSCAPE ARCHITECT  
JAMES H. PERRY

BFW  
BANKERS FIDELITY & BOND  
PLA. Bankers landscape architecture, llc  
1900 S. CENTRAL EXPRESSWAY SUITE 100  
ST. LOUIS, MISSOURI 63104  
PHONE: (314) 426-2200  
FAX: (314) 426-2201  
www.bankerslandscape.com

MARK	DATE	DESCRIPTION

Project No.: 200-11683-1-0002  
Designed By: JEP  
Drawn By: JEP  
Checked By: JEP

**L-502**

Scale: 1/2" = 1'-0"

Scale: 1/2" = 1'-0"

Scale: 1/2" = 1'-0"

Scale: 1/2" = 1'-0"



MAYOR JIM GRAY



**LEXINGTON**

CHARLES MARTIN  
DIRECTOR  
WATER QUALITY

TO: Mayor Jim Gray  
Urban County Council

FROM: Vernon Azevedo, P.E.  
Remedial Measures Program Manager

DATE: May 10, 2016

SUBJECT: Change Order #3 – Wolf Run Wet Weather Storage Facility

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**Request**

The Division of Water Quality requests approval of Change Order #3 to Judy Construction Company increasing the cost of the Wolf Run Wet Weather Storage project, Resolution No. 170-2015 dated April 16, 2015.

**Why are you requesting?**

The requested change is for rerouting electrical conduit to allow for tank lighting, additional piping, architectural improvements, and a credit for backfill that is no longer needed.

**What is the cost in this budget year and future budget years?**

The cost for this FY is: \$182,763

The cost for future FY is: \$0

**Are the funds budgeted?**

The funds are budgeted or a budget amendment is in process: Yes

Account number: 4003-303408-3466-92811 2013 LFUCG WREQUALTNK\_2013 CONSENT\_DE

**Director/Commissioner:** Martin / Hoskins-Squier





# TETRA TECH

April 14, 2016

Vernon Azevedo, PE  
Division of Water Quality  
125 Lisle Industrial Avenue, Suite 180  
Lexington, Kentucky 40511

Re: *Wolf Run Wet Weather Storage Facility  
Lexington-Fayette Urban County Government*

Dear Mr. Azevedo:

Tetra Tech has reviewed the attached change order proposed by Judy Construction Company (Judy). Following is a description of the change order items and our recommendation for each item. Documentation and breakdowns of the change order requests are attached.

**Item 1-1**

Judy has provided a credit of **\$11,486.00** to LFUCG for the DGA that was removed from the Contract Documents as backfill around the wet well. The wet well is to be backfilled with lean concrete, due to the wet site conditions that have been encountered during construction. Based on Tetra Tech's estimates, this equates to approximately **\$29.68** per ton for DGA. Tetra Tech recommends LFUCG approve this portion of the change order, as DGA will no longer be used as a backfill around the wet well.

**Item 1-2**

Judy has provided a lump sum cost of **\$3,600.00** dollars for the Tank Conduit Lighting. The cost is for rerouting the electrical conduit to allow for the tank lighting.

**Item 1-3**

Judy has provided a lump sum cost of **\$148,328.00** for the additional 42-inch and 30-inch piping requested by LFUCG. Tetra Tech requested that Judy provide a price for FRP piping, PVC, and Ductile Iron. The price of \$148,328.00 is for the installation of FRP. PVC and ductile iron increase the lump sum cost \$17,819.00 and \$32,035.00 respectively. The additional piping is currently included in a future Remedial Measures Program project. LFUCG requested Judy to provide a price for the additional piping at this time to avoid disturbing the Wolf Run Wet Weather Storage Facility site with future projects. Tetra Tech recommends LFUCG approve this portion of the work, at the price given for FRP to avoid disturbing a recently finished project with future construction. The material cost for the additional piping, manholes, erosion control, pipe bedding, etc. is \$67,460.00. This material cost includes a credit to LFUCG of \$12,637.00 for the 8 foot diameter manhole and the 50 linear feet of 42-inch ductile iron pipe included in the original contract documents. The lump sum price submitted by Judy also includes \$38,694.00 in labor cost, \$19,924.00 in subcontracting cost and \$22,250.00 in overhead and profit. The subcontract costs include the cost of bypass pumping, temporary fencing, seeding and manhole coring. The overhead and profit is at the Contract Document approved fifteen percent (15%).

**Item 1-4**

Judy has provided a lump sum cost of **\$42,321.00** for the architectural improvements to the original contract documents that were requested by Council Member Henson to improve the aesthetics of the tank to the surrounding neighborhood. The project sets within the Cardinal

Tetra Tech, Inc.

424 Lewis Hargett Circle, Suite 110, Lexington, KY 40503  
Tel: 859.223.8000 Fax: 859.224.1025 www.tetrattech.com



**TETRA TECH**

Valley neighborhood. Council Member Henson requested changes including modifications to the proposed landscaping, installation of a faux wrought iron fence in lieu of the proposed chain link fence, only for the visible portion of the proposed fence, and installing stone columns and an architectural gate in lieu of the proposed gate. Per Judy, the additional faux wrought iron fence has a lump sum cost of \$29,062.00, the modified landscaping will cost \$4,120.00 and the Masonry for the stone columns will cost approximately \$4,998. Judy provided a credit of \$8,363.00 for the material cost of the chain link fence included in the original contract documents, which is approximately \$61.50 per linear foot of fence base on 136 linear feet of fence. The material cost for the new faux wrought iron fence is \$37,425.00, approximately \$275.20 per linear foot. Tetra Tech recommends LFUCG approve this portion of the change order, as it was requested by Council Member Henson to approve the aesthetics of the tank for the surrounding neighborhood.

The total estimated cost of the change order is **\$182,763.00.00**. Please see the attached Change Order No. 3 provided for a unit price and quantity breakdown. The approved contract amount with this change order will be **\$5,587,359.00**.

Please call myself, or Laura LeMaster, at 859-223-8000 if you have any questions or need additional information.

Sincerely,

Herbert R. Lemaster, P.E.  
[Herb.lemaster@tetrattech.com](mailto:Herb.lemaster@tetrattech.com)

cc: Laura LeMaster, Tt

lsl;P:\NER\11681\200-11681-14002\Construction\Change Orders\Change Order 3\LTR WVA Proposed Change Order 3.doc