

**CAMINO REAL REGIONAL MOBILITY AUTHORITY
BOARD RESOLUTION**

WHEREAS, the Camino Real Regional Mobility Authority (CRRMA) entered into a construction contract (Contract) with Jordan Foster Construction, LLC (Contractor) for the construction of the Eastlake Boulevard Phase 2 Project (Project);

WHEREAS, an issue has been identified related to elevations in and around Pond #6, and the parties desire to construct a retaining wall to address such elevation issue; and

WHEREAS, there is no time impact to the project, the County of El Paso and Town of Horizon City have both reviewed and approved this proposed change order and associated costs, and the parties therefore desire to execute Change Order No. 4 to the Contract.

NOW, THEREFORE, BE IT RESOLVED BY THE CAMINO REAL REGIONAL MOBILITY AUTHORITY:

THAT the Executive Director be authorized to execute Change Order No. 4 with Jordan Foster Construction, LLC., to add the construction of a retaining wall to Pond #6 of the Eastlake Boulevard Phase 2 Project.

PASSED AND APPROVED THIS 9TH DAY OF AUGUST 2017.

**CAMINO REAL REGIONAL
MOBILITY AUTHORITY**

Susan A. Melendez, Chair

ATTEST:

Joe R. Fernandez, Board Secretary

APPROVED AS TO CONTENT:

Raymond L. Telles
Executive Director

CONSTRUCTION CONTRACT CHANGE ORDER NUMBER

4

1. CONTRACTOR: Jordan Foster Construction, LLC

2. ChangeOrderWorkLimits: Sta. 152+00 to Sta. 157+00

3. Type of Change (on federal-aid non-exempt projects): Minor (Major/Minor)

4. Describe the change and the reason for the change order. When necessary, include exceptions to this agreement.

This change order is to pay the contractor to for the construction of a retaining rockwall needed within Phase V – Pond #6 perimeter. This change order will not affect pedestrian elements. No days are to be added by this CO for completing the work. Price for the item was determined to be fair and reasonable.

5. New or revised plan sheet(s) are attached and numbered: Retaining Rockwall Details

6. Each signatory hereby warrants that each has the authority to execute this Change Order.

CCSJ:	<u>0924-06-500</u>
Project:	<u>Eastlake Phase II</u>
Highway:	<u>Eastlake Blvd.</u>
County:	<u>El Paso</u>
District:	<u>N/A</u>
Contract Number:	<u>N/A</u>

By signing this change order, the contractor agrees to waive any and all claims for additional compensation due to any and all other expenses; additional changes for time, overhead and profit; or loss of compensation as a result of this change. Further, the contractor agrees that this agreement is made in accordance with Item 4 and the Contract. Exceptions should be noted in the response for #5 above.

The following information must be provided

Time Ext. #: 0 Days added on this CO #4

Amt. added by this change order: \$113,022.87

THE CONTRACTOR Date 8/3/17
By *Joseph M. Ureño*
Typed/Printed Name JOSEPH M. UREÑO
Typed/Printed Title OPERATIONS MANAGER

CAMINO REAL REGIONAL MOBILITY AUTHORITY

Executed for and approved by the Camino Real Regional Mobility Authority for the purpose and effect of activating and/or carrying out the orders, established policies or work programs heretofore approved and authorized by the Texas Transportation Commission.

Signature Date

Typed/Printed Name and Title

LIST OF ATTACHMENTS

- Form A Third Party Funding From
- Attachment A Cost Proposal and Breakdown
- Attachment B Modified Inlet B-11 Detail
- Attachment C Town of Horizon E-mail

CONSTRUCTION CONTRACT CHANGE ORDER NUMBER

4

Estimated Cost:

CCSJ 0924-06-500

Paid by Invoice? (Yes No)

TABLE A: Force Account Work and Materials Placed into Stock

LABOR	HOURLY RATE	EQUIPMENT	HOURLY RATE
N/A	N/A	N/A	N/A

TABLE B: Contract Items

ITEM	DESCRIPTION	UNIT	UNIT PRICE	ORIGINAL + PREVIOUSLY REVISED		NEW		OVERRUN/ UNDERRUN
				QUANTITY	ITEM COST	QUANTITY	ITEM COST	
423-6006	RETAINING ROCKWALL (STONE)	LS	\$113,022.87	1	\$113,022.87		\$113,022.87	\$113,022.87
TOTALS							\$113,022.87	\$113,022.87

CAMINO REAL REGIONAL MOBILITY AUTHORITY

CONSTRUCTION CONTRACT CHANGE ORDER NUMBER 4

This form is used when the subject change order involves funding by a source other than CRRMA, and involves third parties who are providing funding under an Advance Funding Agreement or Donation Agreement.

1. Outside funding provided by:

County of El Paso
(Outside Entity's Legal Name)

2. Type of outside funding agreement for this change:

Existing Amended New
[Check one]

3. Indicate the type and amount of funding:

Fixed Price (Lump Sum) (Estimated Amount _____)

 Actual Cost

(a) Contract Items (Bid Items): _____

\$113,022.87

TOTAL

CCSJ:	<u>0924-06-500</u>
Project:	<u>Eastlake Phase II</u>
Highway:	<u>Eastlake Blvd.</u>
County:	<u>El Paso</u>
District:	<u>N/A</u>
Contract Number:	<u>N/A</u>

Use as needed:

I hereby acknowledge notification of the modifications covered by this Change Order.

Date _____
By _____
Typed/Printed Name _____
Typed/Printed Title _____

* The percentage (%) for E&C (Engineering and Contingencies) charges varies from project to project depending on the contract amount of the project. Projects with a higher contract amount will have a lower rate of E&C charge. For a specific project, E&C rate (%) can be derived from the cost of "Engineering and Contingencies" in the "Estimated Cost" of the project.

** Use the statewide district rate as established by Finance Division each year. This line 3 (c) is for Service Project only, unless otherwise specified in the Advance Funding Agreement. See Stand Alone Manual Notice 98-2 for instructions.

Funding for this Change Order has been arranged:

Norma Silvia Palacios
Representative

8/4/2017
Date

Typed/Printed Name: NORMA SILVIA PALACIOS

Jordan Foster Construction

PROJECT: Eastlake Blvd Phase II
 HIGHWAY: Eastlake Blvd
 COUNTY: El Paso
 DATE: 8/3/2017 (Revised)

COST BREAKDOWN

ITEM No:
 DESCRIPTION: Retaining Rockwall at Pond No.6, Earthwork, Excavation and Backfill

DESCRIPTION	QTY	UNIT	LABOR		MATERIAL		EQUIPMENT		SUBCONTRACTOR	
			UNIT	EXTENSION	UNIT	EXTENSION	UNIT	EXTENSION	UNIT	EXTENSION
Foreman	25	HRS	22.000	\$ 550.00						
Laborer Utility	90	HRS	13.000	\$ 1,170.00						
Survey layout	4	HRS	150.00	\$ 600.00						
Loader CAT 966H	40	HRS					94.87	\$ 3,794.80		
Loader Operator	40	HRS	16.00	\$ 640.00						
Water Truck International 4000	23	HRS					32.80	\$ 754.40		
Water Truck Operator	23	HRS	15.00	\$ 345.00						
Roller SD-115	40	HRS					58.84	\$ 2,353.60		
Roller Operator	40	HRS	14.00	\$ 560.00						
Sanchez Construction*	1	LS							\$ 93,454.90	\$ 93,454.90
				\$ 3,865.00		\$		\$ 6,902.80		\$ 93,454.90

		RATE	EXT
LABOR (HRS)			\$ 3,865.00
LABOR BURDEN (55%)	0.55	%	\$ 2,125.75
COMPENSATION (25%)	0.25	%	\$ 966.25

			\$
MATERIAL			\$ -
COMPENSATION (25%)	0.25	%	\$ -

			\$
EQUIPMENT			\$ 6,902.80
EQUIPMENT (15%)	0.15	%	\$ 1,035.42

			\$
SUBCONTRACT (5%)			\$ 93,454.90
SUBCONTRACT (5%)	0.05	%	\$ 4,672.75

TOTAL Change Order: \$ 113,022.87

*subcontract price based on 712 LF of Retaining Wall

SUBMITTED BY:

Joseph M. Khan 8/3/17

DATE SUBMITTED:



SANCHEZ CONSTRUCTION AND LANDSCAPING.

July 19, 2017

Jordan Foster
7700 CF Jordan Drive
El Paso, Texas 79912

Attn: Mr. Luis Buena

EASTLAKE POND 6

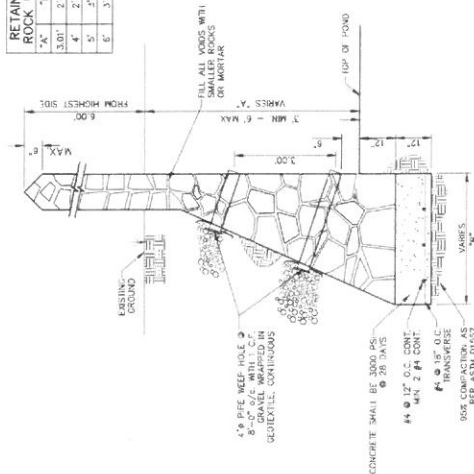
MATERIALS							
	Quantity	Unit	Unit Price	Labor Cost	Material	Equipment	Extension
ROCK	82.0	LOADS	\$ 300.00		\$ 24,600.00		\$ 24,600.00
SAND	37.0	LOADS	\$ 175.00		\$ 6,475.00		\$ 6,475.00
CEMENT	153.0	BAGS	\$ 10.00		\$ 1,530.00		\$ 1,530.00
Concrete Footings / Excavation / Placing	83.0	Cubic Yds	\$ 180.00		\$ 14,940.00		\$ 14,940.00
LABOR:							
Excavation							\$ -
Mason	1992.0	Hours	\$ 12.00	\$ 23,904.00			\$ 23,904.00
Laborers	280.0	Hours	\$ 10.00	\$ 2,800.00			\$ 2,800.00
EQUIPMENT							
Motar Mixer	15.0	Per Day	\$ 114.00			\$ 1,710.00	\$ 1,710.00
Back Hoe	15.0	Per Day	\$ 366.00			\$ 5,490.00	\$ 5,490.00
Bob Cat	15.0	Per Day	\$ 234.00			\$ 3,510.00	\$ 3,510.00
SUB-TOTAL							
				\$ 26,704.00	\$ 47,545.00	\$ 10,710.00	\$ 84,959.00
		Over Head Fee	10%				\$ 8,495.90
<i>Sanchez Construction & Landscaping, we are HUB Certified, Service Disabled Veteran Owned, Small Minority Business.</i>							
TOTAL AMOUNT							
							\$ 93,454.90

Thank you ,

Sergio L. Sanchez
Sergio L. Sanchez

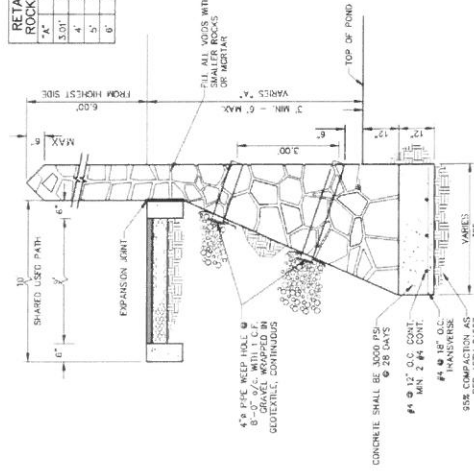
3501 Lee Blvd
El Paso, Texas 79936
(915) 588-9506

RETAINING ROCK WALL	
A	B
3'-0"	2'-6"
4'	2'-10"
5'	3'-5"
6'	3'-8"



RETAINING WALL SECTION ABUTTING EXISTING GROUND (3' MIN. TO 6' MAX.)
SCALE: N.T.S.

RETAINING ROCK WALL	
A	B
3'-0"	2'-6"
4'	2'-10"
5'	3'-5"
6'	3'-8"



RETAINING WALL SECTION ABUTTING SHARED USED PATH (3' MIN. TO 6' MAX.)
SCALE: N.T.S.

ROCK WALL NOTES

- STONE FOR ROCKWALL SHALL BE AS NEARLY UNIFORM IN SECTIONS AS POSSIBLE. THE STONE SHALL BE DENSE AND RESISTANT TO AIR AND WATER.
- MORTAR MUST BE TYPE "S" (800 P.S.I.) AS PER ASTM C270.
- WASSTAY WALL OVER SIX (6) FEET IN HEIGHT AND THOSE USED FOR EARTH RETENTION OVER TWO (2) FEET MUST BE DESIGNED AS STRUCTURAL WALLS.
- ROCKWALL MORTAR JOINTS MUST NOT EXCEED TWO (2) INCHES.
- PROVIDE ONE (1) INCH EXPANSION JOINTS AT EVERY 100 FEET.
- ALL STONE SHALL BE THOROUGHLY SOAKED BEFORE BEING PLACED.
- ALL STONE FOR ROCKWALLS SHALL BE FRACTURED QUARRIED ROCK.
- WORKING SURFACE SHALL BE AS NEARLY VERTICAL AS POSSIBLE.
- ALLOWABLE SOIL BEARING PRESSURE = 2,500 PS (MINIMUM).
- BACKFILL MATERIALS SHALL CONSIST OF COARSE GRAINED, WELL-DRAINED SOILS (WITH NO CLAY CONTENT).

ROCK WALL

MATERIALS: STONE FOR ROCK WALLS SHALL CONSIST OF QUARRIED LIMESTONE OR GRANITE. THE STONE SHALL BE DENSE, RESISTANT TO THE ACTION OF WEATHER AND WATER, CLEAN OF OLD MORTAR AND SUITABLE IN ALL RESPECTS FOR THE PURPOSE INTENDED.

MORTAR FOR THE ROCK WALLS SHALL CONSIST OF ONE (1) PART PORTLAND CEMENT AND THREE (3) PARTS OF CLEAN SAND. THE MORTAR SHALL BE TYPE "S" (800 P.S.I.) AS PER ASTM C270. THE MORTAR SHALL BE HAND-TAMPED AND SPRINKLED. THE EXCAVATED AREA FOR ROCK WALLS SHALL BE MOST WHEN THE CONCRETE IS PLACED. PLANS AND PROFILES SUPPORTED THROUGHOUT THE PLACEMENT OF CONCRETE. THE SURFACE OF THE CONCRETE SHALL NOT BE TROWLED. THE CONCRETE SHALL BE CURED A MINIMUM OF 74 HOURS BEFORE ANY STONE OR MORTAR IS PLACED ON THE FOUNDATION. CONTRACTOR SHALL TAMP THE MORTAR AND MORE THAN 300 POUNDS PER SQUARE FOOT OF STONE AND MORTAR IS PLACED ON THE FOUNDATION. CONTRACTOR SHALL TAMP THE MORTAR AND MORE THAN 300 POUNDS PER SQUARE FOOT OF STONE AND MORTAR IS PLACED ON THE FOUNDATION.

CONSTRUCTION METHODS: PRIOR TO PLACING THE CONCRETE FOUNDATION, THE EXCAVATION SHALL BE HAND-TAMPED AND SPRINKLED. THE EXCAVATED AREA FOR ROCK WALLS SHALL BE MOST WHEN THE CONCRETE IS PLACED. PLANS AND PROFILES SUPPORTED THROUGHOUT THE PLACEMENT OF CONCRETE. THE SURFACE OF THE CONCRETE SHALL NOT BE TROWLED. THE CONCRETE SHALL BE CURED A MINIMUM OF 74 HOURS BEFORE ANY STONE OR MORTAR IS PLACED ON THE FOUNDATION. CONTRACTOR SHALL TAMP THE MORTAR AND MORE THAN 300 POUNDS PER SQUARE FOOT OF STONE AND MORTAR IS PLACED ON THE FOUNDATION. CONTRACTOR SHALL TAMP THE MORTAR AND MORE THAN 300 POUNDS PER SQUARE FOOT OF STONE AND MORTAR IS PLACED ON THE FOUNDATION.

STONE SHALL BE SELECTED AS TO SIZE AND SHAPE IN ORDER TO SECURE FAIRLY LARGE FLAT-SURFACED STONE WHICH MAY BE ERECTED WITH TRUE AND EVEN SURFACE FACES AND A MINIMUM OF EDGED MORTAR. ALL STONES SHALL BE THOROUGHLY CLEANED, WETTED, AND PLACED IN POSITION. THE FINISHED SURFACE SHALL PRESENT A NEAT, TOGETHER WITH MORTAR. THE FINISHED SURFACE SHALL PRESENT A NEAT, TOGETHER WITH MORTAR. THE FINISHED SURFACE SHALL PRESENT A NEAT, TOGETHER WITH MORTAR. THE FINISHED SURFACE SHALL PRESENT A NEAT, TOGETHER WITH MORTAR.

WEEP HOLES SHALL BE PLACED ON THE ROCK WALL AS SHOWN ON THE PLANS. THE WEEP HOLES SHALL BE NOT MORE THAN TEN FEET APART OR GREATER. THE WEEP HOLES SHALL BE NOT MORE THAN ONE (1) FOOT FROM THE EXPOSED SURFACE OF THE ROCK WALL. THE WEEP HOLES SHALL BE NOT MORE THAN ONE (1) FOOT FROM THE EXPOSED SURFACE OF THE ROCK WALL. THE WEEP HOLES SHALL BE NOT MORE THAN ONE (1) FOOT FROM THE EXPOSED SURFACE OF THE ROCK WALL.





LEGEND

PROPOSED PONDING AREA LIMIT
 TEMPORARY DRAINAGE ACCESS
 TEMPORARY SPRALE CENTERLINE
 6" HIGH CHAIN LINK FENCE
 6" HIGH ROCKWALL
 MANHOLE
 INLET
 REINFORCED CONCRETE PIPE
 CUTOFF WALL HEADBALL/PINBALL STRUCTURE
 REINFORCED CONCRETE
 3" THICK COMPACTED SCREENING PERMANENT ELEVATION MARKER

SHEET TOTALS

ITEM NO.	DESCRIPTION	AMT.	QTY.
100	EXCAVATION (BASIS)	CT	100
105	CONCRETE (BASIS)	CY	105
110	SCREENING (BASIS)	CY	110
115	CHAIN LINK FENCE	LF	115
120	ROCKWALL	LF	120
125	INSTALLATION	EA	125
130	ALUMINUM SIGNS	TY	130
135	PERMANENT ELEVATION MARKER	EA	135
140	PIPE	LF	140
145	MANHOLE	EA	145
150	CUTOFF WALL	EA	150
155	ROCKWALL	LF	155
160	SCREENING	CY	160

PROFESSIONAL SEAL

117401

JORGE GRAEDA

REGISTERED PROFESSIONAL ENGINEER

CEA GROUP

117401

REGISTERED PROFESSIONAL ENGINEER

CAMINO REAL

REGIONAL MOBILITY AUTHORITY

EASTLAKE BLVD.

PHASE 2

PONDING AREA 6

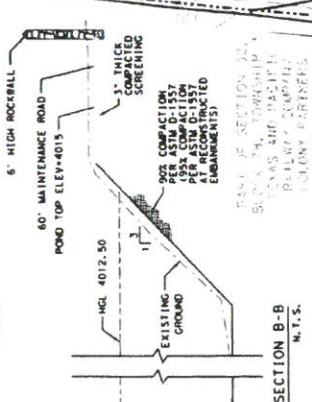
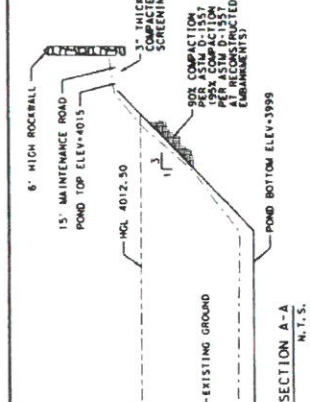
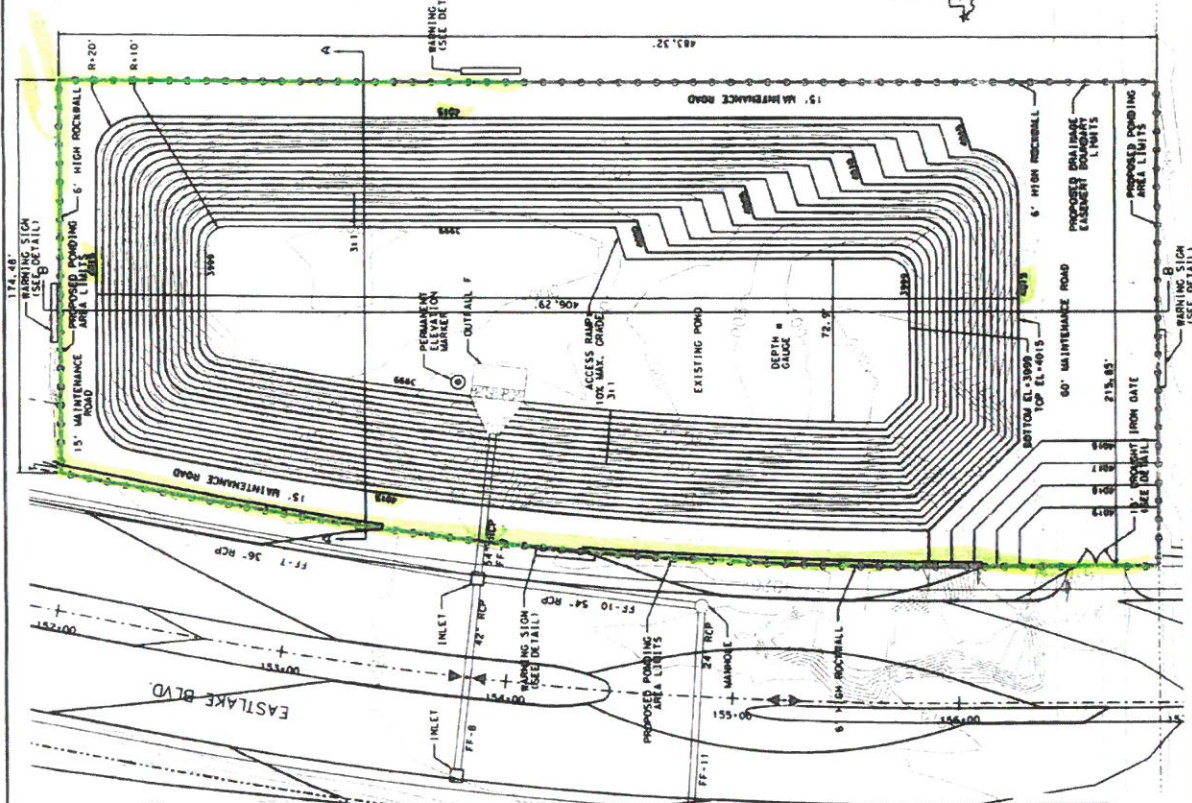
CONTROL SHEET NO. 6

DRAWN BY

CHECKED BY

DATE

TX EL PASO 214



NOTES:

- EXISTING OFF-SITE DRAINAGE PATTERNS, CONTOURS AND HORIZONTAL CONTROL DATA IN THIS DRAWING IS BASED ON SURVEY DATA FROM THE TOPOGRAPHIC SURVEY CONDUCTED FOR THIS PROJECT.
- U.S. SURVEY FEET SHALL BE USED FOR ALL DIMENSIONS UNLESS OTHERWISE NOTED.
- VERTICAL CONTROL IS BASED ON MVD 88 DATUM GEOD 2012A.
- ACCESS ROAD, RAMP & MAINTENANCE ROAD SHALL HAVE A 3" THICK COMPACTED SCREENING SURFACE.
- REFER TO SMALE GRADING PLANS FOR ADDITIONAL INFORMATION.
- RECONSTRUCTED EMBANKMENTS SHALL MATCH EXISTING UN-IMPACTED NATIVE SOILS. EACH BENCH SHALL EXTEND A MAXIMUM BENCH HEIGHT OF 24 INCHES. PRIOR TO PLACEMENT OF STRUCTURAL EMBANKMENTS, THE SOILS SHALL BE BROUGHT TO WITHIN PLUS OR MINUS 2 PERCENT OF THE ORIGINAL UN-IMPACTED NATIVE SOILS. ALL EMBANKMENTS SHALL BE PLACED IN HORIZONTAL COMPACTED LIFTS TO FINAL SLOPES. COMPACTION OF SOILS SHALL BE TO DRY DENSITY IN ACCORDANCE WITH ASTM D-1557.

PROPOSED POND AREAS

CONTOUR	AVAILABLE VOLUME (AC. FT.)
4015	18,104
4014	14,371
4013	13,114
4012	11,734
4011	10,428
4010	9,195
4009	8,023
4008	6,941
4007	5,917
4006	4,960
4005	4,088
4004	3,240
4003	2,428
4002	1,749
4001	1,122
4000	0,533
3999	0,000

PROPOSED POND

BASIN NO.	REQUIRED AVAILABLE CAPACITY (AC. FT.)	AVAILABLE CAPACITY (AC. FT.)	DESIGN HYDRAULIC GRADE (FT.)	BOTTOM ELEV.	PIPE ROAD ELEV.	ROD ELEV.
1	13,015	18,104	25,888	4012.50	3999	2,500
				4012.50	3999	2,500
				4012.50	3999	2,500
				4012.50	3999	2,500
				4012.50	3999	2,500
				4012.50	3999	2,500
				4012.50	3999	2,500

W NOTES:

POUND CALCULATIONS WERE OBTAINED FROM HORIZONTAL CROSSING NO. 1 APPROVED SUBDIVISION PLANS

Ordonez, Adalberto

From: Sal Alonzo <SAlonzo@epcounty.com>
Sent: Thursday, August 03, 2017 5:29 PM
To: Michelle Padilla; Ordonez, Adalberto
Cc: Mayor; Teresa Quezada; Albert Valle; Roxanne Rivera (rrivera@Huitt-Zollars.com)
Subject: RE: ELPHII - CO's #3 and #4

Adalberto,

Good afternoon,

As per our conference call this afternoon, the County also concurs with CO #3 & CO #4.

Thanks

Sal

From: Michelle Padilla [mailto:mpadilla@horizoncity.org]
Sent: Thursday, August 3, 2017 5:23 PM
To: Ordonez, Adalberto <Adalberto.Ordonez@atkinsglobal.com>; Sal Alonzo <SAlonzo@epcounty.com>
Cc: Mayor <mayor@horizoncity.org>; Teresa Quezada <qdms2012@gmail.com>; Albert Valle <avalle@horizoncity.org>; Roxanne Rivera (rrivera@Huitt-Zollars.com) <rrivera@Huitt-Zollars.com>
Subject: RE: ELPHII - CO's #3 and #4

Good afternoon, Adalberto,

The Town of Horizon City is in agreement with the change orders #3 and #4 in order to deliver the project as intended. Per our conference call, the Town requests that the unit costs be reviewed to ensure that they do not include work that was originally required in the final construction plans. Please let me know if you need anything else to proceed.

Thank you,

Michelle Padilla, AICP, CNU-A
Planning Director
Town of Horizon City
14999 Darrington Road
Horizon City, TX 79928
915-852-1046 ext. #105

*Please note that our office is closed for lunch from 11:45 to 1:00.

From: Ordonez, Adalberto [mailto:Adalberto.Ordonez@atkinsglobal.com]
Sent: Tuesday, August 01, 2017 1:47 PM
To: Michelle Padilla <mpadilla@horizoncity.org>; Sal Alonzo <SAlonzo@epcounty.com>
Subject: ELPHII - CO's #3 and #4
Importance: High

Hi Michelle,

I have attached change order #3 and #4 for your review and approval.

Change Order #3 (\$12,986.65): Modify Inlet B-11 from curb inlet to a surface grate inlet within the Phase III limits.

Change Order #4 (\$115,891.97): Build new retaining rockwall needed around Pond #6 within the phase V limits.

Thank you,

Adalberto Ordonez
Associate Construction Manager

ATKINS

Thought leadership in a complex world - www.atkinsglobal.com/angles

404 Executive Center Boulevard, El Paso, TX 79902 | Cell: +1 915.633.4078 | Office: +1 915.255.4491 | Fax: +1 915.533.4089

Email: Adalberto.Ordonez@atkinsglobal.com | Web: www.atkinsglobal.com | Careers: www.atkinsglobal.com/careers

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