

**CHANGE ORDER NUMBER TWO(2)**

Project: La Joya Watershed Improvements - South Detention Basin Project  
 DATE OF ISSUANCE: 12/13/2017 EFFECTIVE DATE 12/19/2017  
 OWNER: County of Hidalgo  
 OWNER'S CONTRACT NO: \_\_\_\_\_ C 16-161-08-09  
 CONTRACTOR: L&G Construction Company ENGINEER: L&G Engineers  
 2100 W. Exprwy 83 900 S. Stewart Road  
 Mercedes, Texas 78570 Mission, Texas 78572

You are directed to make the following changes in the Contract Documents.

- Description:
1. Increase quantity for Item 204-9001 Sprinkling (Dust Control) from 3000 MG to 6000 MG.
  2. Eliminate Item 400-6011 Sand Backfill for Phase "B" and Phase "C" Alternate Bid work.
  3. Increase quantity for Item 432-6002 Riprap (Conc)(5 IN) from 27 CY to 544.0 CY on base bid work.
  4. Eliminate Item 432-6016 Riprap (Stone Ty R)(Dry)(12 IN) on base bid work
  5. Eliminate Item 506-6003 Rock Filter Dams (TY 3) on Phase "B" & "C" Alternate Bid work
  6. Eliminate Item 550-9002 Chn Lnk Fnce (Remov Fabric Only).

Reason for Change Order:

1. The increase of Item 204-9001 quantity is necessary to order to properly control dust to minimize complaints from the adjacent neighborhood. Drier and windier weather conditions have required the needed for additional watering around the project site.
2. Due to exist sandy material encountered, it is not necessary to perform work on Item 400-6011 Sand Backfill for pipe installation on Phase "A" (42CY), Phase "B" (21 CY) and Phase "C" (21 CY) Alternate Bids. Backfill of RC Pipe 18" will be performed using the existing sandy material being excavated. Sand backfill will continue to be used for Box Culvert installation
3. At the request of Hidalgo County Drainage District, the increase of Item 432-6002 Riprap (Conc)(5 IN) is necessary to replace quantities under Item 432-6016 Riprap (Stone Ty R)(Dry)(12 IN) that is being eliminated. It is HCDD#1 desire to use concrete in lieu of Stone to control slope erosion.
4. At the request of Hidalgo County Drainage District, the elimination of Item 432-6016 Riprap (Stone Ty R)(Dry)(12 IN) is being requested and replaced with the use of Item 432-6002 Riprap (Conc)(5 IN). It is HCDD#1 desire to use concrete in lieu of Stone to control slope erosion.
5. Quantities (149 LF) for Item 506-6003 Rock Filter Dams (Ty 3) is being reduced on Phase "B" AND Phase "C" Alternates Bid work due to not needing SWPPP control measures at this time due to delay of TxDOT proposed work in this area.
6. At the request of Hidalgo County Drainage District, Item 550-9002 Chn Lnk Fnce (Remov Fabric Only) will be eliminated due to fabric is to remain in place.

Attachments: Item and quantity change order table including revised sheets: 20 and 21.

CHANGE IN CONTRACT PRICE:		CHANGE IN CONTRACT TIME:	
Original Contract Price	\$ 4,645,975.00	Original Contract Time for	
Net Changes from previous Change Order	\$ 16,266.00	Substantial Completion:	380 working days or dates
Contract Price prior to this Change Order	\$ 4,662,241.00	Net Change from previous Change Orders	0 working days
Net Decrease of this Change Order	\$ (680.00)	Contract Time prior to this Change Order	
Contract Price with all approved Change Orders	\$ 4,661,561.00	Substantial Completion:	380 working days or dates
Net % increase(decrease) original contract price.	0.34%	Net Increase of this Change Order	20 working days
		Contract Time with all approved Change Orders	
		Substantial Completion:	400 working days or dates

**RECOMMENDED:**

By:   
 (Engineer (Authorized Signature))

Date: 12/13/17



**APPROVED:**

By: \_\_\_\_\_  
 Owner (Authorized Signature)

Date: \_\_\_\_\_

**ACCEPTED:**

By:   
 Contractor (Auth. Signature)

Date: 12/13/17





# SUMMARY OF QUANTITIES TO BE CONSTRUCTED AND COMPLETED

SUMMARY OF PROPOSED QUANTITIES															
Sheet No.	Item 110	Item 132	Item 400			Item 402	Item 432		Item 462	Item 464		Item 476	Item 466		Item 467
	6002	6008	6001	6010	6011	6001	6002	6016	6021	6010	6003	6089	6011	6210	6362
	Excav (Channel)  (CY)	Embank (Final) (Dens Cont) (Typ D) (CY)	Struct Excav (Non-Pay) (CY)	Struct Excav (Spl) (CY)	Sand Backfill (CY)	Trench Excavation Protection (LF)	Riprap (Conc) (Sin) (CY)	Riprap (Stone) (Ty-R)(Dry) (12 in) (CY)	Conc Box Culvert (8Ft X 6Ft) (LF)	Rc Pipe (CI III) (48 in) (LF)	Rc Pipe (CI III) (18 in) (LF)	Jack Bor Or Turn Box Culv (8Ft X 6Ft) (LF)	Headwall (CH-FW-0) (Dia 48in) (EA)	Wingwall (SW-0) (HW 7Ft) (EA)	SET (Ty II) (RCP) (18 in) (6:1) (C) (EA)
Est.	Est.	Est.	Est.	Est.	Est.	Est.	Est.	Est.	Est.	Est.	Est.	Est.	Est.	Est.	Est.
La Joya Watershed Improvement															
Grading Layouts															
Base Bid (Phase 'A')															
1 Of 3	724874	27712	90	18	<del>42</del>		544	<del>1199</del>			130				2
Base Bid Total	724874	27712	90	18	<del>42</del>		544	<del>1199</del>			130				2
Alternate Bid I (Phase 'B')															
2 Of 3	240738	480	46	9	<del>21</del>		3				65				1
Alternate Bid I Total	240738	480	46	9	<del>21</del>		3				65				1
Alternate Bid II (Phase 'C')															
3 Of 3	264633	16814	46	9	<del>21</del>		3				65				1
Alternate Bid II Total	264633	16814	46	9	<del>21</del>		3				65				1
La Joya Watershed Improvement															
Culvert Layouts															
Base Bid (Phase 'A')															
1 Of 2			5012	232	743	582			470			112		2	
2 Of 2			3092	139	532	396				418			1		
Base Bid Total			8104	371	1275	978			470	418		112	1	2	
Grand Total	1230245	45006	8286	407	1275	978	550	<del>1199</del>	470	418	260	112	1	2	4

**CHANGE ORDER NO. 2**  
 Summary of Revisions:  
 REVISED Item 400-6011 from 1359 CY to 1275 CY  
 REVISED Item 432-6002 from 33 CY to 550 CY  
 REVISED Item 432-6016 from 1199 CY to 0 CY



**L&G Engineering**  
 Highway / Civil  
 Structural / Bridge  
 Environmental  
 Firm No. : F-4105

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 Mission, TX 78572  
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**ESTIMATE OF QUANTITIES**  
 LA JOYA WATERSHED IMPROVEMENT PROJECT  
 SOUTH DETENTION BASIN

SHEET 1 OF 2															
DR: JAN	FIG NO:	STATE:	PROJECT NO:		SHEET NO:										
CK: DG	6	TEXAS			20										
CK DR: JAN	SCALE:	COUNTY:	CONTRACT NO:	SECTION NO:	JOB NO:	HIGHWAY NO:									
TR:	PHR	HIDALGO													
CK TR:															

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# SUMMARY OF QUANTITIES TO BE CONSTRUCTED AND COMPLETED


## SUMMARY OF SEDIMENT CONTROL DEVICES

Item 164	Item 168	Item 506								
		6001	6003	6021	6024	6038	6039	6041		
SWAP Layout Sheet	Drill Seeding (Perennial/Urban) (Clay)	Vegetative Seeding #	Rock Filter Dams (TY 3) (LF)	Construction Exit (Install) (TY 2) (SY)	Construction Exit (Remove) (SY)	Temp Sediment Control Fence (Install) (LF)	Temp Sediment Control Fence (Remove) (LF)	Biodegradable Erosion Control Loops (12") (LF)	204	550
	(ACRE) Est.	(MG) Est.	(LF) Est.	(SY) Est.	(SY) Est.	(LF) Est.	(LF) Est.	(12") (LF) Est.	Sprinkling (Dust Control) (SPML) (MG) Est.	Chain Link Fence (Remove Fabric Only) (LF) Est.
La Joya Watershed Improvement SWAP Layouts										
Base Bid (Phase 'A')	14	713	140	78	78	8250	8250	40		
1 of 3										
Base Bid Total	14	713	140	78	78	8250	8250	40		
Alternate Bid I (Phase 'B')	3.8	194	140							
2 of 3										
Alternate Bid I Total	3.8	194	140							
Alternate Bid II (Phase 'C')	4.8	245	153							
3 of 3										
Alternate Bid II Total	4.8	245	153							
Grand Total	22.6	1151	333	78	78	8250	8250	40	6000	3960

CHANGE ORDER NO. 2

Summary of Revisions:  
 REVISED Item 204-5001 from 3000 MG to 6000 MG  
 REVISED Item 550-9002 from 300 LF to 0 LF  
 REVISED Item 550-9002 from 2960 LF to 0 LF

# Vegetative Seeding Application Rate = 3394 Gal/Ac @ 15 Cycles.  
 Permanent seeding to be done after all construction is completed.  
 Use approx. 40' of Biodegradable Erosion Control Loops on Ty "CC" Inlet Locations.



**L&G Engineering**  
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**ESTIMATE OF QUANTITIES**  
 LA JOYA WATERSHED IMPROVEMENT PROJECT  
 SOUTH DETENTION BASIN

SHEET 2 OF 2

DATE	BY	CHK'D	SCALE
JAN 06	TEJAS		21
JAN 06			