

RESPONSE: UPDATED.

SF-21-023

RESPONSE: REVISED TO MEET OR EXCEED THAT IN THE EARLY GRADING FAE

Revise to match the following highlighted items with the FAE from the early grading. Snippet below from the early grading.

RESPONSE: REVISED.

revise spillway to 4

RESPONSE: CORRECT, WAS LOW. REVISED.

double check  
quantity. This seems  
low. CY to be based  
on 8" thick ABC

* Earthwork	
less than 1,000; \$5,300 min	
1,000-5,000; \$8,000 min	
5,001-20,000; \$30,000 min	
20,001-50,000; \$100,000 min	
50,001-200,000; \$175,000 min	172,715
greater than 200,000; \$500,000 min	
* Permanent Seeding (inc. noxious weed mgmnt.)	36
* Erosion Control Blanket	2,516
* Mulching	36
Vehicle Tracking Control	3
Construction Fence	1,440
Concrete Washout Area	1
Silt Fence	6,002
Stabilized Staging Area	2,000
Check Dams (Straw)	6
Inlet Protection	1
Sediment Basin	5
Rough Cut Street Control	35
<i>[insert items not listed but part of construction plans]</i>	

**MAINTENANCE OF**

RESPONSE: REVISED  
STREET SIGN COUNT TO  
MATCH PLANS

update. Plans show greater than 8 street name signs and greater than 10 regulatory/advisory sign

RESPONSE: TYPE A  
QUANTITY IS PROVIDED IN  
SECTION 3 FOR WALTER  
POINT

provide quantities for  
Type A C&G

Move type B C&G for  
Walters Pt to Section  
3 (private  
improvements

RESPONSE: NO LONGER  
PROPOSING TYPE B BUT  
MOVED WALTER PT C&G TO  
SECTION 3.

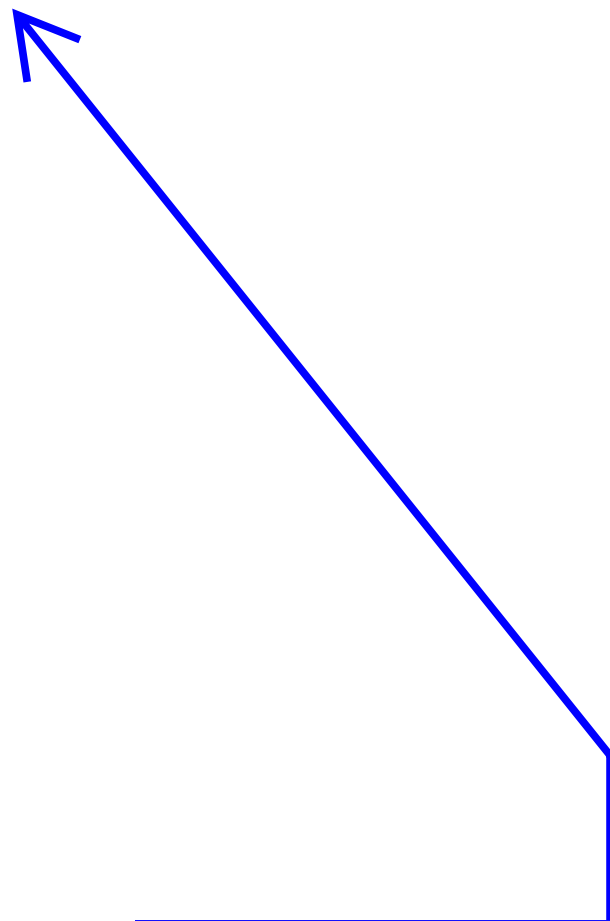
Staff recommends moving to 5" sidewalk per standard thickness

RESPONSE: NOTED,  
CHANGED SIDEWALK TO 5"  
THICK

PROJECT INFORMATION		
CLOVERLEAF	5/13/2021	
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
Traffic Signal, complete intersection		EA	\$ 439,875	=	\$ -		\$ -

\*



Fix break in page.

RESPONSE: FIXED.



PROJECT INFORMATION			
CLOVERLEAF	5/13/2021		
Project Name	Date	PCD File No.	

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction) % Complete	Remaining	
				=	\$ -		\$ -	
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -	*
STORM DRAIN IMPROVEMENTS								*
Concrete Box Culvert (M Standard), Size ( W x H )		LF		=	\$ -		\$ -	*
18" Reinforced Concrete Pipe	1,175	LF	\$ 67.00	=	\$ 78,748.38		\$ 78,748.38	*
24" Reinforced Concrete Pipe	66	LF	\$ 81.00	=	\$ 5,369.73		\$ 5,369.73	*
30" Reinforced Concrete Pipe	1,122	LF	\$ 100.00	=	\$ 112,213.30		\$ 112,213.30	*
36" Reinforced Concrete Pipe	448	LF	\$ 124.00	=	\$ 55,574.94		\$ 55,574.94	*
42" Reinforced Concrete Pipe	916	LF	\$ 166.00	=	\$ 152,048.53		\$ 152,048.53	*
48" Reinforced Concrete Pipe	428	LF	\$ 202.00	=	\$ 86,505.49		\$ 86,505.49	*
54" Reinforced Concrete Pipe		LF	\$ 254.00	=	\$ -		\$ -	*
60" Reinforced Concrete Pipe		LF	\$ 298.00	=	\$ -		\$ -	*
66" Reinforced Concrete Pipe		LF	\$ 344.00	=	\$ -		\$ -	*
72" Reinforced Concrete Pipe		LF	\$ 393.00	=	\$ -		\$ -	*
18" Corrugated Steel Pipe		LF	\$ 87.00	=	\$ -		\$ -	*
24" Corrugated Steel Pipe		LF	\$ 99.00	=	\$ -		\$ -	*
30" Corrugated Steel Pipe		LF	\$ 126.00	=	\$ -		\$ -	*
36" Corrugated Steel Pipe		LF	\$ 152.00	=	\$ -		\$ -	*
42" Corrugated Steel Pipe		LF	\$ 174.00	=	\$ -		\$ -	*
48" Corrugated Steel Pipe		LF	\$ 184.00	=	\$ -		\$ -	*
54" Corrugated Steel Pipe		LF	\$ 269.00	=	\$ -		\$ -	*
60" Corrugated Steel Pipe		LF	\$ 290.00	=	\$ -		\$ -	*
66" Corrugated Steel Pipe		LF	\$ 352.00	=	\$ -		\$ -	*
72" Corrugated Steel Pipe		LF	\$ 414.00	=	\$ -		\$ -	*
78" Corrugated Steel Pipe		LF	\$ 476.00	=	\$ -		\$ -	*
84" Corrugated Steel Pipe		LF	\$ 569.00	=	\$ -		\$ -	*
Flared End Section (FES) RCP Size = 18" <i>(unit cost = 6x pipe unit cost)</i>	5	EA	\$ 960.00	=	\$ 4,800.00		\$ 4,800.00	*
Flared End Section (FES) CSP Size = <i>(unit cost = 6x pipe unit cost)</i>		EA		=	\$ -		\$ -	*
End Treatment- Headwall		EA		=	\$ -		\$ -	*
End Treatment- Wingwall		EA		=	\$ -		\$ -	*
End Treatment - Cutoff Wall		EA		=	\$ -		\$ -	*
Curb Inlet (Type R) L=5', Depth < 5'		EA	\$ 5,736.00	=	\$ -		\$ -	*
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'	2	EA	\$ 7,440.00	=	\$ 14,880.00		\$ 14,880.00	*
Curb Inlet (Type R) L =5', 10' ≤ Depth < 15'		EA	\$ 8,637.00	=	\$ -		\$ -	*
Curb Inlet (Type R) L =10', Depth < 5'		EA	\$ 7,894.00	=	\$ -		\$ -	*
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'	3	EA	\$ 8,136.00	=	\$ 24,408.00		\$ 24,408.00	*
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'		EA	\$ 10,185.00	=	\$ -		\$ -	*
Curb Inlet (Type R) L =15', Depth < 5'		EA	\$ 10,265.00	=	\$ -		\$ -	*
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'	3	EA	\$ 11,005.00	=	\$ 33,015.00		\$ 33,015.00	*
Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'		EA	\$ 12,034.00	=	\$ -		\$ -	*
Curb Inlet (Type R) L =20', Depth < 5'		EA	\$ 10,940.00	=	\$ -		\$ -	*
Curb Inlet (Type R) L =20', 5' ≤ Depth < 10'		EA	\$ 12,075.00	=	\$ -		\$ -	*
Grated Inlet (Type C), Depth < 5'		EA	\$ 4,802.00	=	\$ -		\$ -	*
Grated Inlet (Type D), Depth < 5'		EA	\$ 5,932.00	=	\$ -		\$ -	*
Storm Sewer Manhole, Box Base	16	EA	\$ 12,034.00	=	\$ 192,544.00		\$ 192,544.00	*
Storm Sewer Manhole, Slab Base	13	EA	\$ 6,619.00	=	\$ 86,047.00		\$ 86,047.00	*
Geotextile (Erosion Control)		SY	\$ 6.20	=	\$ -		\$ -	*
Rip Rap, d50 size from 6" to 24"	943	Tons	\$ 83.00	=	\$ 78,234.14		\$ 78,234.14	*
Rip Rap, Grouted		Tons	\$ 98.00	=	\$ -		\$ -	*
Drainage Channel Construction, Size ( W x H )		LF		=	\$ -		\$ -	*
Drainage Channel Lining, Concrete		CY	\$ 590.00	=	\$ -		\$ -	*
Drainage Channel Lining, Rip Rap		CY	\$ 116.00	=	\$ -		\$ -	*
Drainage Channel Lining, Grass		AC	\$ 1,520.00	=	\$ -		\$ -	*
Drainage Channel Lining, Other Stabilization				=	\$ -		\$ -	*
				=	\$ -		\$ -	
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -	
Section 2 Subtotal				=	\$ 2,241,319.52		\$ 2,241,319.52	

\* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)

PROJECT INFORMATION							
CLOVERLEAF		5/13/2021					
Project Name		Date		PCD File No.			
Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction) % Complete	Remaining
SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**							
ROADWAY IMPROVEMENTS							
							\$ -
							\$ -
					-		\$ -
					-		\$ -
					-		\$ -
				=	\$ -		\$ -
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)							
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'	1	EA	\$ 7,440.00	=	\$ 7,440.00		\$ 7,440.00
18" Reinforced Concrete Pipe	264	LF	\$ 67.00	=	\$ 17,710.78		\$ 17,710.78
36" Reinforced Concrete Pipe	314	LF	\$ 12		38,994.28		\$ 38,994.28
42" Reinforced Concrete Pipe	780	LF	\$ 16		129,397.00		\$ 129,397.00
Storm Sewer Manhole, Box Base	8	EA	\$ 12,037.50		96,272.00		\$ 96,272.00
Storm Sewer Manhole, Slab Base	1	EA	\$ 6,619.00		19.00		\$ 6,619.00
WATER SYSTEM IMPROVEMENTS							
Water Main Pipe (PVC), Size 8"	6,446	LF	\$ 66.00		36.00		\$ 425,436.00
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ -		-		\$ -
Gate Valves, 8"	24	EA	\$ 1,923.00	=	\$ 46,152.00		\$ 46,152.00
Fire Hydrant Assembly, w/ all valves	13	EA	\$ 6,828.00	=	\$ 88,764.00		\$ 88,764.00
Water Service Line Installation, inc. tap and valves	141	EA	\$ 1,370.00	=	\$ 193,170.00		\$ 193,170.00
Fire Cistern Installation, complete		EA		=	\$ -		\$ -
Raw Water Main Pipe (PVC), Size 6"	1,293	LF	\$ 59.40	=	\$ 76,803.01		\$ 76,803.01
Raw Water Main Air Vac/Valve Assembly	1	EA	\$ 5,500.00	=	\$ 5,500.00		\$ 5,500.00
				=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
SANITARY SEWER IMPROVEMENTS							
Sewer Main Pipe (PVC), Size 8"	5,541	LF	\$ 66.00	=	\$ 365,697.35		\$ 365,697.35
Sanitary Sewer Manhole, Depth < 15 feet	37	EA	\$ 4,540.00	=	\$ 167,980.00		\$ 167,980.00
Sanitary Service Line Installation, complete	141	EA	\$ 1,451.00	=	\$ 204,591.00		\$ 204,591.00
Sanitary Sewer Lift Station, complete		EA		=	\$ -		\$ -
Underdrain 6"	5,007	LF	\$ 20.00	=	\$ 100,140.00		\$ 100,140.00
				=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)							
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
total				=	\$ 1,970,666.43		\$ 1,970,666.43
** - Section 3 is not subject to defect warranty requirements							

PROJECT INFORMATION		
CLOVERLEAF	5/13/2021	
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS		=	\$ -	\$	-
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS		=	\$ -	\$	-
						Total Construction Financial Assurance	
						\$ 4,581,914.77	
						(Sum of all section subtotals plus as-builts and pond/BMP certification)	
						Total Remaining Construction Financial Assurance (with Pre-Plat Construction)	
						\$ 4,581,914.77	
						(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)	
						Total Defect Warranty Financial Assurance	
						\$ 496,501.64	
						(20% of all items identified as (*). To be collateralized at time of preliminary acceptance)	

Approvals

I hereby certify that this is an accurate and complete estimate of costs for the work as shown on the Grading and Erosion Control Plan and Construction Drawings associated with the Project.

Engineer (P.E. Seal Required)

Approved by Owner / Applicant

Approved by El Paso County Engineer / ECM Administrator

Date

Date

Date