

Cross Pan		SY	@	\$	\$53	=	\$
Curb Chase		EA	@	\$	\$1,300	=	\$
Concrete Sidewalk		SF	@	\$	\$3	=	\$
Guardrail Type 7 (Concrete)		LF	@	\$	\$67	=	\$
Guardrail End Anchorage		EA	@	\$	\$1,978	=	\$
Guardrail Impact Attenuator		EA	@	\$	\$3,564	=	\$
Sound Barrier Fence		LF	@	\$	\$100	=	\$
- Storm Drain Improvements							
Concrete Box Culvert (M Standard), Size (W x H)		LF	@	\$		=	\$
Reinforced Concrete Pipe (RCP) Size		LF	@	\$		=	\$
18" Reinforced Concrete Pipe		LF	@	\$	\$69	=	\$
24" Reinforced Concrete Pipe		LF	@	\$	\$84	=	\$
30" Reinforced Concrete Pipe		LF	@	\$	\$94	=	\$
36" Reinforced Concrete Pipe		LF	@	\$	\$124	=	\$
42" Reinforced Concrete Pipe		LF	@	\$	\$134	=	\$
48" Reinforced Concrete Pipe		LF	@	\$	\$178	=	\$
54" Reinforced Concrete Pipe		LF	@	\$	\$182	=	\$
60" Reinforced Concrete Pipe		LF	@	\$	\$216	=	\$
66" Reinforced Concrete Pipe		LF	@	\$	\$263	=	\$
72" Reinforced Concrete Pipe		LF	@	\$	\$283	=	\$
High Density Polyethylene (HDPE) Pipe 24"		LF	@	\$	45	=	\$
High Density Polyethylene (HDPE) Pipe 30"		LF	@	\$	75	=	\$
18" Corrugated Steel Pipe		LF	@	\$	\$66	=	\$
24" Corrugated Steel Pipe		LF	@	\$	\$96	=	\$
30" Corrugated Steel Pipe		LF	@	\$	\$101	=	\$
36" Corrugated Steel Pipe		LF	@	\$	\$136	=	\$
42" Corrugated Steel Pipe		LF	@	\$	\$147	=	\$
48" Corrugated Steel Pipe		LF	@	\$	\$169	=	\$
54" Corrugated Steel Pipe		LF	@	\$	\$193	=	\$
60" Corrugated Steel Pipe		LF	@	\$	\$227	=	\$
66" Corrugated Steel Pipe		LF	@	\$	\$278	=	\$
72" Corrugated Steel Pipe		LF	@	\$	\$330	=	\$
78" Corrugated Steel Pipe		LF	@	\$	\$381	=	\$
84" Corrugated Steel Pipe		LF	@	\$	\$432	=	\$
Flared End Section (FES) RCP 18"		EA	@	\$	500	=	\$
Flared End Section (FES) RCP 24"		EA	@	\$	600	=	\$
Flared End Section (FES) RCP 30"		EA	@	\$	700	=	\$
Flared End Section (FES) HDPE 30"		EA	@	\$	650	=	\$
End Treatment- Headwall		EA	@	\$		=	\$
End Treatment- Wingwall		EA	@	\$		=	\$
End Treatment - Cutoff Wall		EA	@	\$		=	\$
Curb Inlet (Type R) L=5', Depth < 5 feet		EA	@	\$	\$3,791	=	\$
Curb Inlet (Type R) L=5', 5'-10' Depth		EA	@	\$	\$5,044	=	\$
Curb Inlet (Type R) L =5' , 10'-15' Depth		EA	@	\$	\$6,027	=	\$
Curb Inlet (Type R) L =10', Depth < 5 feet		EA	@	\$	\$5,528	=	\$
Curb Inlet (Type R) L =10' , 5'-10' Depth		EA	@	\$	\$6,694	=	\$
Curb Inlet (Type R) L =10' , 10'-15' Depth		EA	@	\$	\$7,500	=	\$
Curb Inlet (Type R) L =15' , Depth < 5 feet		EA	@	\$	\$7,923	=	\$
Curb Inlet (Type R) L =15' , 5'-10' Depth		EA	@	\$	\$8,000	=	\$
Curb Inlet (Type R) L =15' , 10'-15' Depth		EA	@	\$	\$8,800	=	\$
Curb Inlet (Type R) L =20' , Depth < 5 feet		EA	@	\$	\$8,000	=	\$

Curb Inlet (Type R) L =20' , 5'-10' Depth	EA	@	\$	\$8,830	=	\$
Curb Inlet (Type R) L = ___' ; ___' - ___' Depth	EA	@	\$		=	\$
Curb Inlet (Type R) L = ___' ; ___' - ___' Depth	EA	@	\$		=	\$
Grated Inlet (Type C), < 5' deep	EA	@	\$	\$3,270	=	\$
Grated Inlet (Type D), < 5' deep	EA	@	\$	\$3,908	=	\$
Storm Sewer Manhole, Box Base, Depth < 15 feet	EA	@	\$	\$8,592	=	\$
Storm Sewer Manhole, Slab Base, Depth < 15 feet	EA	@	\$	\$4,575	=	\$
Geotextile (Erosion Control)	SY	@	\$	\$5	=	\$
Rip Rap, d50 Size from 6" to 24"	CY	@	\$	\$98	=	\$
Rip Rap, Grouted	CY	@	\$	\$215	=	\$
Drainage Channel Construction, Size (W x H)	LF	@	\$		=	\$
Channel Lining, Concrete	CY	@	\$	\$450	=	\$
Channel Lining, Rip Rap	CY	@	\$	\$98	=	\$
Channel Lining, Grass	AC	@	\$	\$1,287	=	\$
Impact Stilling Basin	SY	@	\$	\$5,000	=	\$
Detention Outlet Structure	EA	@	\$	5,000	=	\$
Detention Emergency Spillway	EA	@	\$	1,500	=	\$
Permanent Water Quality Facility (Describe)	EA	@	\$		=	\$
**all items this section subject to defect warranty financial assurance. † For flared end sections, multiply pipe LF cost by 6						
Section 2 Subtotal					=	\$ 60,840.00 **

Section 3 - Common Development Improvements (Private or District)***	Quantity	Units		Price		
- Roadway Improvements						
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@	\$	=	\$
			@	\$	=	\$
			@	\$	=	\$
			@	\$ 38	=	\$
			@	\$	=	\$
			@	\$	=	\$
- Storm Drain Improvements						
(Include any applicable items from above Public Improvements list, that are to be private and NOT maintained by El Paso County)			@	\$	=	\$
			@	\$	=	\$
			@	\$	=	\$
South Tunnel Closure	1.00		@	\$ 5,000	=	\$ 5,000.00
18" Reinforced Concrete Pipe	40.00	LF	@	\$ 69	=	\$ 2,760.00
24" Reinforced Concrete Pipe	22.00	LF	@	\$ 84	=	\$ 1,848.00
High Density Polyethylene (HDPE) Pipe 30"	300.00	LF	@	\$ 75	=	\$ 22,500.00
Flared End Section (FES) RCP 18"	1.00	EA	@	\$ 500	=	\$ 500.00
Flared End Section (FES) RCP 24"	1.00	EA	@	\$ 600	=	\$ 600.00
Detention Outlet Structure	1.00	EA	@	\$ 5,000	=	\$ 5,000.00
Detention Emergency Spillway	1.00	EA	@	\$ 1,500	=	\$ 1,500.00
Rip Rap, d50 Size from 6" to 24"	17.00	CY	@	\$ 98	=	\$ 1,666.00
- Water System Improvements						
Water Main Pipe (PVC), Size 8"		LF	@	\$ 94	=	\$
Water Main Pipe (Ductile Iron), Size 8"		LF	@	\$ 137	=	\$
Gate Valves, 8"		EA	@	\$ 1,852	=	\$
Fire Hydrant Assembly w/ all valves		EA	@	\$ 6,430	=	\$
Water Service Line Installation, inc. tap & valves	16.00	EA	@	\$ 1,263	=	\$ 20,048.00
Fire Cistern Installation, complete		EA	@	\$	=	\$
- Sanitary Sewer Improvements						
Sewer Main Pipe (PVC), Size 8"	274.00	LF	@	\$ 94	=	\$ 25,756.00
Sewer Main Pipe (PVC), Size 10"				\$100		
Sanitary Sewer Manhole, Depth < 15 feet	2.00	EA	@	\$ 4,575	=	\$ 9,150.00
Sanitary Service Line Installation, complete	22.00	EA	@	\$ 1,516	=	\$ 33,352.00
Sanitary Sewer Lift Station, complete		EA	@	\$	=	\$
- Landscaping (If Applicable)						
(List landscaping line items and cost - usually only in case of subdivision specific condition of approval, or PUD)		EA	@	\$	=	\$
		EA	@	\$	=	\$
		EA	@	\$	=	\$
		EA	@	\$	=	\$
		EA	@	\$	=	\$
***items in this section are not subject to defect warranty financial assurance						
				Section 3 Subtotal	=	\$ 97,914.00

Financial Assurance Totals

As-built drawings - (FILL IN IF THERE ARE ANY PUBLICLY-MAINTAINED IMPROVEMENTS) (Inc. survey to verify detention pond volumes.)		\$	
	Construction Financial Assurance Total	= \$	162,354.00
	(Sum of all Section Totals)		
	Public Improvements Total* **	\$	63,840.00
	Defect Warranty Financial Assurance Total	= \$	12,768.00
	(20% of Section 2 Subtotal and 20% of identified Grading and Erosion BMP items)		

Approvals

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

Michael Bastus
Engineer 7/31/17
Date



C&B Development, Inc.
James P. [Signature] President 7/31/17
Date
Approved by Owner / Applicant

[Signature] 31 JULY 2017
Date
Approved by El Paso County Engineer / ECM Administrator