

PROJECT INFORMATION		
Schmidt Parcel Pro Development Grading	7/12/2022	CDR 227
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost	Total	(with Pre-Flat 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		LF	\$ 70.00			
24" Reinforced Concrete Pipe		LF	\$ 83.00			
30" Reinforced Concrete Pipe		LF	\$ 104.00			
36" Reinforced Concrete Pipe		LF	\$ 128.00			
42" Reinforced Concrete Pipe		LF	\$ 171.00			
48" Reinforced Concrete Pipe		LF	\$ 209.00			
54" Reinforced Concrete Pipe		LF	\$ 272.00			
60" Reinforced Concrete Pipe		LF	\$ 319.00			
66" Reinforced Concrete Pipe		LF	\$ 368.00			
72" Reinforced Concrete Pipe		LF	\$ 421.00			
18" Corrugated Steel Pipe		LF	\$ 90.00			
24" Corrugated Steel Pipe		LF	\$ 103.00			
30" Corrugated Steel Pipe		LF	\$ 131.00			
36" Corrugated Steel Pipe		LF	\$ 157.00			
42" Corrugated Steel Pipe		LF	\$ 180.00			
48" Corrugated Steel Pipe		LF	\$ 190.00			
54" Corrugated Steel Pipe		LF	\$ 278.00			
60" Corrugated Steel Pipe		LF	\$ 300.00			
66" Corrugated Steel Pipe		LF	\$ 364.00			
72" Corrugated Steel Pipe		LF	\$ 428.00			
78" Corrugated Steel Pipe		LF	\$ 492.00			
84" Corrugated Steel Pipe		LF	\$ 588.00			
Flared End Section (FES) RCP Size =		EA				
<i>(unit cost = 6x pipe unit cost)</i>						
Flared End Section (FES) CSP Size =		EA				
<i>(unit cost = 6x pipe unit cost)</i>						
End Treatment- Headwall		EA				
End Treatment- Wingwall		EA				
End Treatment - Cutoff Wall		EA				
Curb Inlet (Type R) L=5', Depth < 5'		EA	\$ 6,138.00			
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 7,981.00			
Curb Inlet (Type R) L=5', 10' ≤ Depth < 15'		EA	\$ 9,242.00			
Curb Inlet (Type R) L=10', Depth < 5'		EA	\$ 8,447.00			
Curb Inlet (Type R) L=10', 5' ≤ Depth < 10'		EA	\$ 8,706.00			
Curb Inlet (Type R) L=10', 10' ≤ Depth < 15'		EA	\$ 10,898.00			
Curb Inlet (Type R) L=15', Depth < 5'		EA	\$ 10,984.00			
Curb Inlet (Type R) L=15', 5' ≤ Depth < 10'		EA	\$ 11,775.00			
Curb Inlet (Type R) L=15', 10' ≤ Depth < 15'		EA	\$ 12,076.00			
Curb Inlet (Type R) L=20', Depth < 5'		EA	\$ 11,706.00			
Curb Inlet (Type R) L=20', 5' ≤ Depth < 10'		EA	\$ 12,920.00			
Grated Inlet (Type C), Depth < 5'		EA	\$ 5,138.00			
Grated Inlet (Type D), Depth < 5'		EA	\$ 6,347.00			
Storm Sewer Manhole, Box Base		EA	\$ 12,076.00			
Storm Sewer Manhole, Slab Base		EA	\$ 7,082.00			
Geotextile (Erosion Control)		SY	\$ 7.00			
Rip Rap, d50 size from 6" to 24"		Tons	\$ 89.00			
Rip Rap, Grouted		Tons	\$ 105.00			
Drainage Channel Construction, Size (W x H)		LF				
Drainage Channel Lining, Concrete		CY	\$ 631.00			
Drainage Channel Lining, Rip Rap		CY	\$ 124.00			
Drainage Channel Lining, Grass		AC	\$ 1,626.00			
Drainage Channel Lining, Other Stabilization						
<i>[insert items not listed but part of construction plans]</i>						
<i>* Subject to defect warranty financial assurance. A minimum of 20% shall be</i>						
Section 2 Subtotal						

SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**
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ROADWAY IMPROVEMENTS

Description	Quantity	Units	Unit Cost	Total	(with Pre-Flat Construction)	
					% Complete	Remaining
<i>(Exception, Permanent Pond/BMP shall be itemized under Section 1)</i>						
STORM DRAIN IMPROVEMENTS						
18" Reinforced Concrete Pipe		LF	\$ 67.00			
48" Reinforced Concrete Pipe		LF	\$ 202.00			
36" Reinforced Concrete Pipe		LF	\$ 124.00			

PROJECT INFORMATION

Schmidt Parcel Pre Development Grading	7/12/2022	CDR 227
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
Flared End Section (FES) RCP Size = 18" <small>(unit cost = 6x pipe unit cost)</small>		EA	\$ 402.00	= \$ -		\$ -
Flared End Section (FES) RCP Size = 36" <small>(unit cost = 6x pipe unit cost)</small>		EA	\$ 744.00	= \$ -		\$ -
Drainage Channel Lining, Rip Rap 6" depth		CY	\$ 116.00	= \$ -		\$ -
WATER SYSTEM IMPROVEMENTS						
Water Main Pipe (PVC), Size 8"		LF	\$ 71.00	= \$ -		\$ -
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 83.00	= \$ -		\$ -
Gate Valves, 8"		EA	\$ 2,058.00	= \$ -		\$ -
Fire Hydrant Assembly, w/ all valves (3 valves/FH)		EA	\$ 7,306.00	= \$ -		\$ -
Water Service Line Installation, inc. tap and valves		EA	\$ 1,466.00	= \$ -		\$ -
Fire Cistern Installation, complete		EA		= \$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				= \$ -		\$ -
SANITARY SEWER IMPROVEMENTS						
Sewer Main Pipe (PVC), Size 8"		LF	\$ 71.00	= \$ -		\$ -
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$ 4,858.00	= \$ -		\$ -
Sanitary Service Line Installation, complete		EA	\$ 1,553.00	= \$ -		\$ -
Sanitary Sewer Lift Station, complete		EA		= \$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				= \$ -		\$ -
LANDSCAPING IMPROVEMENTS <small>(For subdivision specific condition of approval or PUD)</small>						
		SF		= \$ -		\$ -
		EA		= \$ -		\$ -
		EA		= \$ -		\$ -
		EA		= \$ -		\$ -
		EA		= \$ -		\$ -
<small>** - Section 3 is not subject to defect warranty requirements</small>				Section 3 Subtotal	= \$ -	\$ -

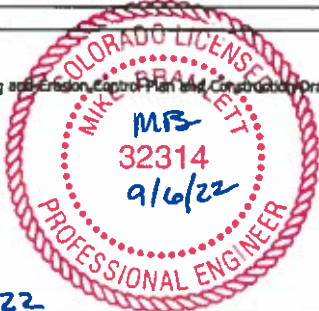
AS-BUILT PLANS (Public Improvements Inc. Permanent WQCV BMPs)	LS	\$ 5,000.00	= \$ 5,000.00	\$ 5,000.00
POND/BMP CERTIFICATION (Inc. elevations and volume calculations)	LS		= \$ -	\$ -
Total Construction Financial Assurance				\$ 521,856.00
<small>(Sum of all section subtotals plus as-builts and pond/BMP certification)</small>				
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)				\$ 521,856.00
<small>(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)</small>				
Total Defect Warranty Financial Assurance				\$ 73,061.00
<small>(20% of all items identified as (*). To be collateralized at time of preliminary acceptance)</small>				

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.

Mil Poulbot

Engineer (P.E. Seal Required)



[Signature]

Approved by Owner/Applicant

9/6/22
Date

Approved by El Paso County Engineer / ECM Administrator

Date

APPROVED
Engineering Department
 12/07/2022 4:08:48 PM
dsdnijkamp
 EPC Planning & Community
 Development Department