

PROJECT INFORMATION		
Vollmer- North Segment	8/15/2022	CDR 2110
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		LF	\$ 70.00	\$ -		\$ -
24" Reinforced Concrete Pipe	128	LF	\$ 83.00	\$ 10,624.00		\$ 10,624.00
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 = 24 <small>(unit cost = 6x pipe unit cost)</small>	1	EA	\$ 500.00	\$ 500.00		\$ 500.00
Flared End Section (FES) CSP Size = <small>(unit cost = 6x pipe unit cost)</small>		EA		\$ -		\$ -
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'	2	EA	\$ 10,984.00	\$ 21,968.00		\$ 21,968.00
Curb Inlet (Type R) L=15', 5' ≤ Depth < 10'		EA	\$ 11,775.00	\$ -		\$ -
Curb Inlet (Type R) L=15', 10' ≤ Depth < 15'		EA	\$ 12,876.00	\$ -		\$ -
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	\$ 12,876.00	\$ -		\$ -
Storm Sewer Manhole, Slab Base		EA	\$ 7,082.00	\$ -		\$ -
Geotextile (Erosion Control)		SY	\$ 7.00	\$ -		\$ -
Rip Rap, d50 size from 5" 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>						
				Section 2 Subtotal	\$ 1,983,560.00	\$ 1,983,560.00

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

NOTE: The storm sewer associated with this road construction is in the Homestead North at Sterling Ranch Filing No. 1 Final Drainage Report, CDs, and FAE .

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AS-BUILT PLANS (Public Improvements Inc. Permanent WQCV BMPs)		LS	\$ 10,000.00	= \$ 10,000.00		\$ 10,000.00
POND/BMP CERTIFICATION (Inc. elevations and volume calculations)		LS		= \$ -		\$ -
Total Construction Financial Assurance						\$ 2,196,150.26
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$ 2,196,150.26
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance						\$ 419,520.80
(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.

Mike Poullett

 Engineer (P.E. Seal Required)

Elizabeth Nijkamp

 Approved by Owner / Applicant

Approved by El Paso County Engineer / ECM Administrator

8/23/22

 Date

Approved

By: Elizabeth Nijkamp, PE
 Date: 06/06/2023

El Paso County Department of Public Works

