

PROJECT INFORMATION			
Grandwood Ranch - Early Grading	8/25/2020	\$ 389,310.00	SP195
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	132	LF	\$ 65 00	\$ 8,580.00		\$ 8,580.00
24" Reinforced Concrete Pipe		LF	\$ 78 00			
30" Reinforced Concrete Pipe		LF	\$ 97 00			
36" Reinforced Concrete Pipe		LF	\$ 120 00			
42" Reinforced Concrete Pipe		LF	\$ 160 00			
48" Reinforced Concrete Pipe		LF	\$ 195 00			
54" Reinforced Concrete Pipe		LF	\$ 245 00			
60" Reinforced Concrete Pipe		LF	\$ 288 00			
66" Reinforced Concrete Pipe		LF	\$ 332 00			
72" Reinforced Concrete Pipe		LF	\$ 380 00			
18" Corrugated Steel Pipe		LF	\$ 84 00			
24" Corrugated Steel Pipe		LF	\$ 96 00			
30" Corrugated Steel Pipe		LF	\$ 122 00			
36" Corrugated Steel Pipe		LF	\$ 147 00			
42" Corrugated Steel Pipe		LF	\$ 168 00			
48" Corrugated Steel Pipe		LF	\$ 178 00			
54" Corrugated Steel Pipe		LF	\$ 260 00			
60" Corrugated Steel Pipe		LF	\$ 280 00			
66" Corrugated Steel Pipe		LF	\$ 340 00			
72" Corrugated Steel Pipe		LF	\$ 400 00			
78" Corrugated Steel Pipe		LF	\$ 460 00			
84" Corrugated Steel Pipe		LF	\$ 550 00			
Flared End Section (FES) RCP Size = 36" <i>(unit cost = 5x pipe unit cost)</i>		EA	\$ 720.00			
Flared End Section (FES) CSP Size = <i>(unit cost = 5x 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	\$ 5,542.00			
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 7,188.00			
Curb Inlet (Type R) L=5', 10' ≤ Depth < 15'		EA	\$ 8,345.00			
Curb Inlet (Type R) L=10', Depth < 5'		EA	\$ 7,627.00			
Curb Inlet (Type R) L=10', 5' ≤ Depth < 10'		EA	\$ 7,861.00			
Curb Inlet (Type R) L=10', 10' ≤ Depth < 15'		EA	\$ 9,841.00			
Curb Inlet (Type R) L=15', Depth < 5'		EA	\$ 9,918.00			
Curb Inlet (Type R) L=15', 5' ≤ Depth < 10'		EA	\$ 10,633.00			
Curb Inlet (Type R) L=15', 10' ≤ Depth < 15'		EA	\$ 11,627.00			
Curb Inlet (Type R) L=20', Depth < 5'		EA	\$ 10,570.00			
Curb Inlet (Type R) L=20', 5' ≤ Depth < 10'		EA	\$ 11,667.00			
Grated Inlet (Type C), 5' ≤ Depth < 10'		EA	\$ 4,640.00			
Grated Inlet (Type D), Depth < 5'		EA	\$ 5,731.00			
Storm Sewer Manhole, Box Base		EA	\$ 11,627.00			
Storm Sewer Manhole, Slab Base		EA	\$ 6,395.00			
Geotextile (Erosion Control)		SY	\$ 6.00			
Rip Rap, d50 size from 6" to 24"		Tons	\$ 80.00			
Rip Rap, Grouted		Tons	\$ 95.00			
Drainage Channel Construction, Size (W x H)		LF				
Drainage Channel Lining, Concrete		CY	\$ 570.00			
Drainage Channel Lining, Rip Rap		CY	\$ 112.00			
Drainage Channel Lining, Grass		AC	\$ 1,469.00			
Drainage Channel Lining, Other Stabilization						
<i>[insert items not listed but part of construction plans]</i>						
* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)						
Section 2 Subtotal				\$ 8,580.00		\$ 8,580.00

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SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**						
<u>ROADWAY IMPROVEMENTS</u>						
4" Sidewalk (common areas only)		SY	\$ 48 00	= \$		\$
Aggregate Base Course (135 lbs/cf)		CY	\$ 50 00	= \$		\$
Asphalt Pavement (4" thick)		SY	\$ 19 00	= \$		\$
Curb and Gutter Type C (Ramp)		LF	\$ 30 00	= \$		\$
<u>STORM DRAIN IMPROVEMENTS</u> (Exception: Permanent Pond/BMP shall be itemized under Section 1)						
18" Reinforced Concrete Pipe		LF	\$ 65 00	= \$		\$
Curb Inlet (Type R) L =10' Depth < 5'		EA	\$ 7 627 00	= \$		\$
<u>WATER SYSTEM IMPROVEMENTS</u>						
Water Main Pipe (PVC) Size 8"		LF	\$ 64 00	= \$		\$
Water Main Pipe (Ductile Iron) Size 8"		LF	\$ 75 00	= \$		\$
Gate Valves 8"		EA	\$ 1 858 00	= \$		\$
Fire Hydrant Assembly w/ all valves		EA	\$ 6 597 00	= \$		\$
Water Service Line Installation, inc tap and valves		EA	\$ 1,324.00	= \$		\$
Fire Cistern Installation complete		EA		= \$		\$
<i>[insert items not listed but part of construction plans]</i>						
<u>SANITARY SEWER IMPROVEMENTS</u>						
Sewer Main Pipe (PVC) Size 8"		LF	\$ 64 00	= \$		\$
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$ 4,386 00	= \$		\$
Sanitary Service Line Installation, complete		EA	\$ 1,402.00	= \$		\$
Sanitary Sewer Lift Station, complete		EA		= \$		\$
<i>[insert items not listed but part of construction plans]</i>						
<u>LANDSCAPING IMPROVEMENTS</u> (For subdivision specific condition of approval or PUD)						
		EA		= \$		\$
		EA		= \$		\$
		EA		= \$		\$
		EA		= \$		\$
		EA		= \$		\$
		EA		= \$		\$
Section 3 Subtotal				= \$		\$

** Section 3 is not subject to defect warranty requirements

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AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS	= \$	-	\$	-
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS	= \$	-	\$	-
Total Construction Financial Assurance					\$	377,709.08
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)					\$	377,709.08
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance					\$	5,194.80
(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.



Engineer (P.E. Seal Required)

Nicole M. Schmitt
 Approved by Owner / Applicant

8-26-2020
 Date

Approved by El Paso County Engineer / ECM Administrator

Date