2019 Financial Assurance Estimate Form

(with pre-plat construction)

(with pre-plat construction)			Updated: 02/28/2020		
	PROJECT INFORMATION				
Grandwood Ranch - Early Grading	8/25/2020	\$ 389,310.00	SP195		
Project Name	Date	PCD File No.			

Description	Quantity	Units	Unit			Total	% Complete		onstruction) Remaining
SECTION 1 - GRADING AND EROSION CONTRO						TOLAT	76 Complete	_	Remaining
* Earthwork	OL (Construction	and Perr	nanent BM	P5)					
less than 1 000 \$5 300 min		CY					r i		
	3.000				= 5		10	\$	47.204.0
1 000-5 000 \$8 000 min	2,899	CY			= \$			\$	17,394.0
5 001-20 000 \$30 000 min		CY			= \$			\$	
20 001-50 000 \$100 000 min		CY		3 50	= \$	\$	1	\$	*
50 001-200 000 S175 000 min		CY	\$:	50	= 5		1	\$	¥
greater than 200 000 \$500 000 min		CY	\$	00	= \$		1	\$	100
* Permanent Seeding (inc. noxious weed mgmnt.)		AC	\$ 80	00	= \$			\$	
* Mulching		AC			= 5		1	\$	-
* Permanent Erosion Control Blanket		SY			= \$			\$	
* Permanent Pond/BMP Construction		CY							
		-	\$ 20		= \$			\$	
* Permanent Pond/BMP (Spillway)		ĒΑ			= \$			\$	8
* Permanent Pond/BMP (Outlet Structure)		EΑ			= \$			\$	
Safety Fence		LF	\$	3.00	= 5	오		\$	(2)
Temporary Erosion Control Blanket	54,696	SY	\$	3 00	= 5	164,088.00		\$	164,088.0
Vehicle Tracking Control	2	EA	\$ 2,37	00	= \$	4,740.00		\$	4,740.0
Silt Fence	5,473	LF	\$	2 50	= \$			\$	13,682.5
Temporary Seeding	19	AC			= \$			\$	11,932.0
Temporary Mulch	19	AC							
					= 5			\$	14,250.0
Erosion Bales	32	EA			= \$			\$	800.0
Erosion Logs/Straw Waddle	2,989	LF	\$	00	= \$	14,945.00		\$	14,945.0
Rock Check Dams	21	EA	\$ 50	00	= 5	10,500.00		\$	10,500.0
Inlet Protection	3	EA	\$ 16	00	= \$			\$	501.0
Sediment Basin	13	EA	\$ 1.76		= \$			\$	22,906.0
Concrete Washout Basin	2	EA		100					1,800.0
								\$	
Type 3 Barricade	2	EA	\$ 20	00	= \$			\$	400.0
					= \$	8		\$	8
[insert items not listed but part of construction plans]					= 5			\$	9
MAI	NTENANCE (35%	of Const	ruction BM	Ps)	= \$	91,190.58		\$	91,190.5
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- Subject to defect warranty financial assurance. A minimum of 2025 spall									
- Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE		Secti	on 1 Subt	otal ==	= \$	369,129.08		\$	369,129.08
e retained until final acceptance (MAXIMUM OF 30% COMPLETE NLLOWED)		Secti	on 1 Subt	otal ==	= \$	369,129.08		\$	369,129.08
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e etanes unto final acceptance (MAXIMUM OF 30% COMPLETE LLOWED) SECTION 2 - PUBLIC IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Asphall Pavement (3" thick) Asphall Pavement (4" thick) Asphall Pavement (6" thick) Asphall Pavement (6" thick) Asphall Pavement (147 lbs/cf)" thick Raised Median Paved Regulatory Sign/Advisory Sign Guide/Street Name Sign Epoxy Pavement Marking Thermoplastic Pavement Marking Barricade - Type 3 Delineator - Type I Curb and Gutter Type A (6" Vertical) Curb and Gutter Type B (Median) Curb and Gutter Type C (Ramp) 4" Sidewalk 6" Sidewalk 6" Sidewalk 8" Sidewalk 8" Sidewalk Pedestrian Ramp Cross Pan local (8" thick, 6' wide to include return) Cross Pan collector (9" thick, 8' wide to include return) Curb Chase Guardrail Type 3 (W-Beam) Guardrail Type 7 (Concrete) Guardrail Impact Attenuator Sound Barrier Fence (CMU block 6' high)		LS Tons CY SY SY Tons SF EA EA LF LF SY SY SY EA LF	\$ 22 \$ 5 \$ 1 \$ 1 \$ 2 \$ 8 \$ 3 \$ 3 \$ 20 \$ 20 \$ 2 \$ 2 \$ 3 \$ 3 \$ 3 \$ 3 \$ 3 \$ 3 \$ 3 \$ 4 \$ 5 \$ 7 \$ 2 \$ 1 \$ 5 \$ 6 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7 \$ 7	3 00 0 00 0 00 0 00 0 00 0 00 0 00 0 00				* * * * * * * * * * * * * * * * * * * *	

	PROJECT INFORMATION		
Grandwood Ranch - Early Grading	8/25/2020	\$ 389,310.00	SP195
Project Name	Date	PCD Fi	le No.

Description	Quantity	Units	Unit Cost			Total	(with Pr % Complete		onstruction) Remaining
				=	\$	74		\$	7:
[insert items not listed but part of construction plans]				=	\$	9		\$	17
TORM DRAIN IMPROVEMENTS									
Concrete Box Culvert (M Standard) Size (W x H)		LF		=	5			\$	14
18" Reinforced Concrete Pipe	132	LF	\$ 65 00	=	5	8,580.00		5	8,580.0
24" Reinforced Concrete Pipe		ŁF	\$ 78.00	3	5	뛽		5	74
30" Reinforced Concrete Pipe		LF	\$ 97 00	=	\$	35		\$	
36" Reinforced Concrete Pipe		LF	\$ 120 00	=	5	58		\$	
42" Reinforced Concrete Pipe		LF	160 00	=	5	9		S	(a)
48" Reinforced Concrete Pipe		LF	\$ 195 00	-	5	· 12	I	5	5
54" Reinforced Concrete Pipe		LF	\$ 245 00	=	\$	72		\$	- 3
60" Reinforced Concrete Pipe		LF	\$ 288 00	=	\$.8		\$	- 1
66" Reinforced Concrete Pipe		LF	\$ 332 00	=	5	98		\$	34
72" Reinforced Concrete Pipe		LF	\$ 380 00	=	5	34		5	12
18" Corrugated Steel Pipe		LF	5 84 00	=	s	5		\$	10
24" Corrugated Steel Pipe		LF	\$ 96 00	=	5	监		5	- 27
30" Corrugated Steel Pipe		LF	\$ 122 00	=	5	25		5	19
36" Corrugated Steel Pipe		LF	5 147 00	=	S	96		\$	
42" Corrugated Steel Pipe		LF	\$ 168.00	=	5			5	15
48" Corrugated Steel Pipe		LF	5 178 00	=	5	74		5	ů.
54" Corrugated Steel Pipe		LF	\$ 260 00	=	\$			\$	12
60" Corrugated Steel Pipe		LF	\$ 280 00	=	5			\$	=
66" Corrugated Steel Pipe		LF	\$ 340 00	(3)	5	#		\$	06
72" Corrugated Steel Pipe		LF	\$ 400.00	=	5	₹		\$	62
78" Corrugated Steel Pipe		LF	\$ 460 00	=	\$	12		\$	72
84" Corrugated Steel Pipe		LF	\$ 550 00	Ξ.	\$	9		\$	97
Flared End Section (FES) RCP Size = 36"			\$ 720.00	=	5	12		\$	- 2
Flared End Section (FES) CSP Size =		EA	4 /20.00		15		-		
unit cast = 6x pres unit cast:		EA		=	\$	34		\$	(a)
End Treatment- Headwall		EA		=	\$	94		\$	
End Treatment- Wingwall		EA		=	\$			\$	24
End Treatment - Cutoff Wall		EA		=	\$	- 1		5	12
Curb Inlet (Type R) L=5' Depth < 5'		EΑ	\$ 5,542.00	=	\$	- 2		\$	17
Curb Inlet (Type R) L=5' 5' ≤ Depth < 10'		EA	\$ 7 188 00		\$			5	
Curb Inlet (Type R) L =5' 10' ≤ Depth < 15'		EA	\$ 834500	===	\$	96		\$	
Curb Inlet (Type R) L =10', Depth < 5'		EA	\$ 7,627,00	= 1	\$			\$	12
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'		EA	\$ 7.861.00	=	\$	12		\$	12
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'		EA	\$ 9,841,00	=	\$	- 22		5	
Curb Inlet (Type R) L =15', Depth < 5'		EA	\$ 9,918 00		\$	15	-	5	
Curb Inlet (Type R) L =15' 5' ≤ Depth < 10'		EA	\$ 10 633 00	= 1	\$	26		s	5.5
Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'		EA	\$ 11,627 00	=	\$	34		5	58
Curb Inlet (Type R) L =20' Depth < 5'		EA	\$ 10,570.00		\$	蒜		5	- 5
Curb Inlet (Type R) L =20' 5' ≤ Depth < 10'		EA	\$ 11,667 00	=	\$	12		5	
Grated Inlet (Type C) 5' ≤ Depth < 10'		EA	\$ 4,640,00	-	\$			5	20
Grated Inlet (Type D) Depth < 5'		EA	\$ 573100	=	\$			\$	54
Storm Sewer Manhole, Box Base		EA	\$ 11.627.00	(m)	\$			\$	64
Storm Sewer Manhole, Slab Base		EA	\$ 6,395 00		\$	- 4		5	===
Geotextile (Erosion Control)		SY	\$ 600	-	\$	-		5	:-
Rip Rap d50 size from 6" to 24"		Tons	\$ 80.00	=	\$			\$	
Rip Rap, Grouted		Tons	\$ 95 00	=	\$	-		s	79
Drainage Channel Construction, Size (W x H)		LF		=	\$			5	64
Drainage Channel Lining, Concrete		CY	\$ 570.00		\$	F		5	12
Drainage Channel Lining Rip Rap		CY	\$ 112 00	=	\$			5	
Drainage Channel Lining Grass		AC	\$ 1 469 00		\$			5	7.2 7.4
Drainage Channel Lining Other Stabilization			+ 1,722.00	=	\$			s	
5				91	\$			\$	12
[insert items not listed but part of construction plans]				-	\$			5	
Subject to defect warranty financial assurance. A minimum of 20% shall				37	₽			9	74
retained until final acceptance (MAXIMUM OF 80% COMPLETE		Section	n 2 Subtotal	=	\$	8,580.00		\$	8,580.00

	PROJECT INFORMATION			
Grandwood Ranch - Early Grading	8/25/2020	\$ 389,310.00	SP195	
Project Name	Date		PCD File No.	

				Unit				(with Pre-Pla	at Construction)
Description	Quantity	Units		Cost			Total	% Complete	Remaining
SECTION 3 - COMMON DEVELOPMENT IMPR	OVEMENTS (Pri	vate or l	Distr	ict and NO	OT Mair	ntained	by EPC)**		
ROADWAY IMPROVEMENTS									
4" Sidewalk (common areas only)		SY	\$	48 00	=	\$	*	\$:8:
Aggregate Base Course (135 lbs/cf)		CY	\$	50,00		\$	2)	\$	3
Asphalt Pavement (4" thick)		SY	\$	19 00		\$	23	\$	2
Curb and Gutter Type C (Ramp)		LF	\$	30 00	±	\$		\$	=
STORM DRAIN IMPROVEMENTS (Excep	tion Permanent Pond	I/BMP shal	l be ite	emized under	Section	1)			
18" Reinforced Concrete Pipe		LF	\$	65 00	=	\$		\$	12
Curb Inlet (Type R) L =10' Depth < 5'		EA	\$	7 627 00	=	\$	E	\$	8
WATER SYSTEM IMPROVEMENTS									
Water Main Pipe (PVC) Size 8"		LF	\$	64 00	=	5		5	12
Water Main Pipe (Ductile Iron), Size 8"		LF	\$	75 00	=	5	-	l s	4
Gate Valves 8"		EA	s	1.858 00	\$	5		S	
Fire Hydrant Assembly w/ all valves		EΑ	\$	6.597 00	=	5		5	-
Water Service Line Installation, inc. tap and valves		EA	\$	1,324.00	=	5		5	*
Fire Cistern Installation complete		EA		,	÷	5	*	5	2
					=	3	9	5	9
[insert items not listed but part of construction plans]					2	5		5	
SANITARY SEWER IMPROVEMENTS									
Sewer Main Pipe (PVC), Size 8"		LF	\$	64 00	-	5	8	S	9
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$	4,386,00	5	5	× .	5	3
Sanitary Service Line Installation, complete		EA	\$	1,402.00	2	5	8	s	2
Sanitary Sewer Lift Station, complete		EA			=	5		s	
					=	s	8	s	
[insert items not listed but part of construction plans]					=	Š		5	
LANDSCAPING IMPROVEMENTS	(For subdivision spec	ofic condition	on of a	approval or F	וסטי	90		-11	
		EA			â	5	9	s	
		EA			=	\$	8	Ś	
		EA			=	S	-	5	
		EA			=	\$		5	
		EA			B	5	₽	5	- 2
Section 3 is not subject to defect warranty requirements		Section	on 3	Subtotal	=	4	2		

	PROJECT INFORMATION		
Grandwood Ranch - Early Grading	8/25/2020	\$ 389,310.00	SP195
Project Name	Date	PCD F	le No.

			Unit			(with Pre-Plat	Construction)
Description	Quantity	Units	Cost		 otal	% Complete	Remaining
AS-BUILT PLANS (Public Improvements inc. Permar	nent WQCV BMPs)	LS		3	\$ 5	\$	*
POND/BMP CERTIFICATION (inc. elevations and vol	ume calculations)	LS		=	\$ *	\$	¥
			(Sum of all sec		on Financial	Assurance \$	377,709.08
		_	uction Finand less credit for ite			nstruction)s P certification)	377,709.08

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)

Andrough by Owner / Applicant

Approved by El Paso County Engineer / ECM Administrator

8-26-2020 Date

APPROVED Engineering Department

10/06/2020 2:05:45 PM dsdnijkamp

EPC Planning & Community Development Department