



#	Date	Issue / Description	Init.

Project No:	CLH000023
Drawn By:	CMWJ
Checked By:	RGD
Date:	01/14/2022

PROJECT COST RESPONSIBILITY EXHIBIT

PROPERTY	CHANNEL IMPROVEMENTS (LF)	DROP STRUCTURES (EA)
PROPERTY 1	700	3
PROPERTY 2	950	3
PROPERTY 3	650	3
PROPERTY 4	210	1
PROPERTY 5	590	1

NOTES:
1. IT IS THE INTENTION OF CHALLENGER HOMES TO CONSTRUCT THE ENTIRE CHANNEL AT ONE TIME IN A SINGLE PHASE.

Please move this to the end if it is included with the FAE

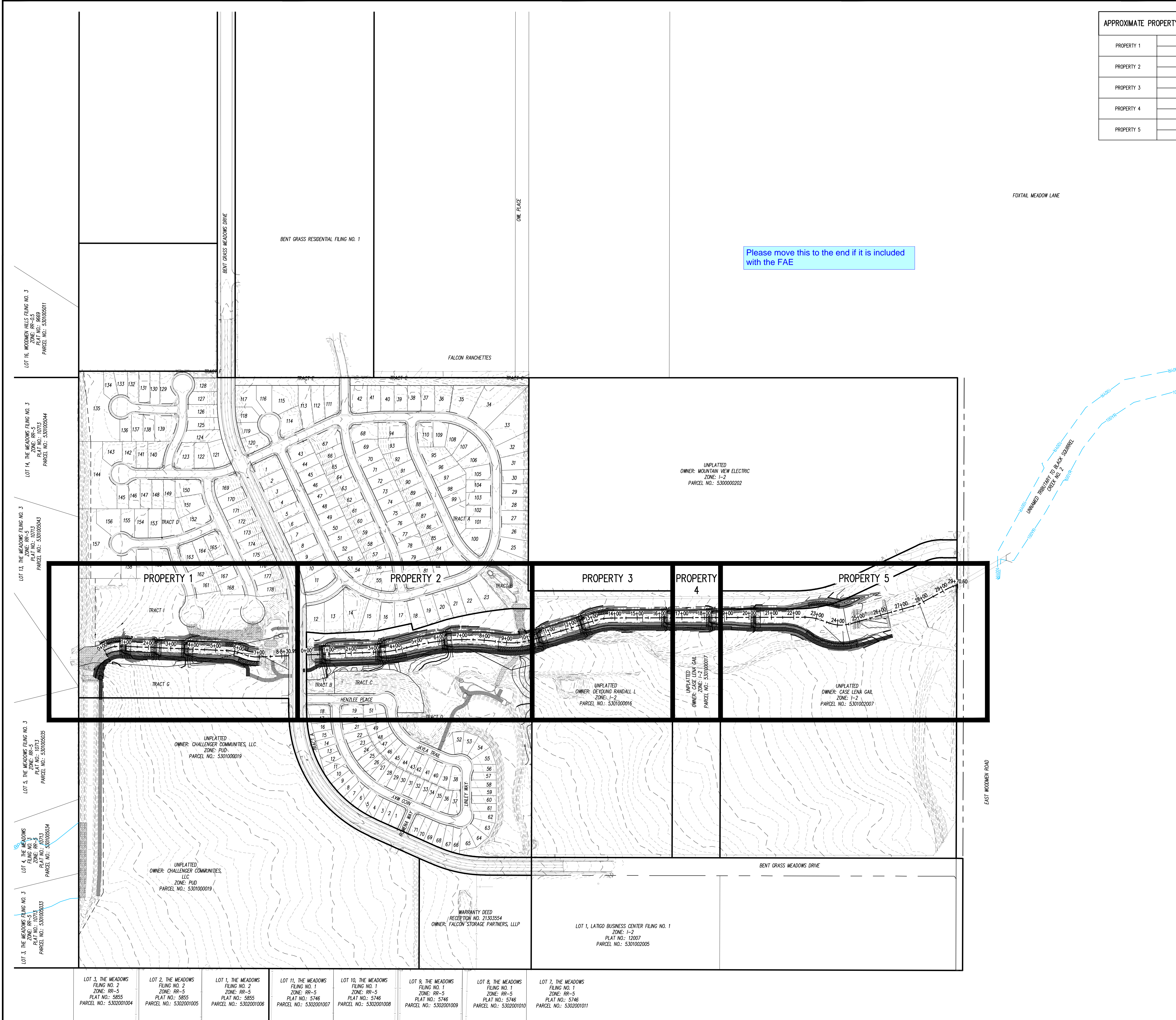
CAUTION – NOTICE TO CONTRACTOR

- ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
- WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY, EITHER THROUGH POT-HOLING OR ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.



DESIGN ENGINEER'S STATEMENT
THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR DETAILED ROADWAY, DRAINAGE, GRADING AND EROSION CONTROL PLANS AND SPECIFICATIONS, AND SAID PLANS AND SPECIFICATIONS ARE IN CONFORMITY WITH APPLICABLE MASTER DRAINAGE PLANS AND MASTER TRANSPORTATION PLANS. SAID PLANS AND SPECIFICATIONS MEET THE PURPOSES FOR WHICH THE PARTICULAR ROADWAY AND DRAINAGE FACILITIES ARE DESIGNED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENCE ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATION OF THESE DETAILED PLANS AND SPECIFICATIONS.

RONALD G. DENNIS, PE 51622 DATE _____



LOT 3, THE MEADOWS FILING NO. 3
ZONE: RR-5
PLAT NO.: 530100503
PARCEL NO.: 530100503

LOT 4, THE MEADOWS FILING NO. 3
ZONE: RR-5
PLAT NO.: 530100504
PARCEL NO.: 530100504

LOT 5, THE MEADOWS FILING NO. 3
ZONE: RR-5
PLAT NO.: 530100505
PARCEL NO.: 530100505

LOT 11, THE MEADOWS FILING NO. 3
ZONE: RR-5
PLAT NO.: 530100504
PARCEL NO.: 530100504

LOT 14, THE MEADOWS FILING NO. 3
ZONE: RR-5
PLAT NO.: 530100504
PARCEL NO.: 530100504

LOT 16, WOODMEN HILLS FILING NO. 3
ZONE: RR-5
PLAT NO.: 530100501
PARCEL NO.: 530100501

UNPLATTED OWNER: MOUNTAIN VIEW ELECTRIC
ZONE: I-2
PARCEL NO.: 530000202

UNPLATTED OWNER: DEYOUNG RANDALL L.
ZONE: I-2
PARCEL NO.: 530100016

UNPLATTED OWNER: CASE LENA GAIL
ZONE: I-2
PARCEL NO.: 530100207

UNPLATTED OWNER: CHALLENGER COMMUNITIES, LLC
ZONE: PUD
PARCEL NO.: 530100019

UNPLATTED OWNER: CHALLENGER COMMUNITIES, LLC
ZONE: PUD
PARCEL NO.: 530100019

WARRANTY DEED
RECEIPTION NO. 21303554
OWNER: FALCON STORAGE PARTNERS, L.L.P.

LOT 1, LATIGO BUSINESS CENTER FILING NO. 1
ZONE: I-2
PLAT NO.: 13007
PARCEL NO.: 530100205

LOT 3, THE MEADOWS FILING NO. 2
ZONE: RR-5
PLAT NO.: 5855
PARCEL NO.: 530200104

LOT 2, THE MEADOWS FILING NO. 2
ZONE: RR-5
PLAT NO.: 5855
PARCEL NO.: 530200105

LOT 1, THE MEADOWS FILING NO. 2
ZONE: RR-5
PLAT NO.: 5855
PARCEL NO.: 530200106

LOT 11, THE MEADOWS FILING NO. 1
ZONE: RR-5
PLAT NO.: 5746
PARCEL NO.: 530200107

LOT 10, THE MEADOWS FILING NO. 1
ZONE: RR-5
PLAT NO.: 5746
PARCEL NO.: 530200108

LOT 9, THE MEADOWS FILING NO. 1
ZONE: RR-5
PLAT NO.: 5746
PARCEL NO.: 530200109

LOT 8, THE MEADOWS FILING NO. 1
ZONE: RR-5
PLAT NO.: 5746
PARCEL NO.: 530200110

LOT 7, THE MEADOWS FILING NO. 1
ZONE: RR-5
PLAT NO.: 5746
PARCEL NO.: 530200111

Vertical text along the left margin containing various lot and filing information.

Use 2022 Form

Please complete Section 1 for each property.

2021 Financial Assurance Estimate Form (with pre-plat construction)

Updated: 12/22/2020

PROJECT INFORMATION		
FM at Bent Grass Drainage Channel - Property 1	3/28/2022	CDR-21-14
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)		
						% Complete	Remaining	
SECTION 1 - GRADING AND EROSION CONTROL (Construction and Permanent BMPs)								
* Earthwork								
less than 1,000; \$5,300 min		CY	\$ 8.00	=	\$ -		\$ -	
1,000-5,000; \$8,000 min		CY	\$ 6.00	=	\$ -		\$ -	
5,001-20,000; \$30,000 min		CY	\$ 5.00	=	\$ -		\$ -	
20,001-50,000; \$100,000 min		CY	\$ 3.50	=	\$ -		\$ -	
50,001-200,000; \$175,000 min		CY	\$ 2.50	=	\$ -		\$ -	
greater than 200,000; \$500,000 min		CY	\$ 2.00	=	\$ -		\$ -	
* Permanent Seeding (inc. noxious weed mgmnt.)		AC	\$ 828.00	=	\$ -		\$ -	
* Mulching		AC	\$ 777.00	=	\$ -		\$ -	
* Permanent Erosion Control Blanket		SY	\$ 6.00	=	\$ -		\$ -	
* Permanent Pond/BMP Construction		CY	\$ 21.00	=	\$ -		\$ -	
* Permanent Pond/BMP (provide engineer's estimate)		EA		=	\$ -		\$ -	
		EA		=	\$ -		\$ -	
Safety Fence		LF	\$ 3.00	=	\$ -		\$ -	
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$ -		\$ -	
Vehicle Tracking Control		EA	\$ 2,453.00	=	\$ -		\$ -	
Silt Fence		LF	\$ 2.60	=	\$ -		\$ -	
Temporary Seeding		AC	\$ 650.00	=	\$ -		\$ -	
Temporary Mulch		AC	\$ 777.00	=	\$ -		\$ -	
Erosion Bales		EA	\$ 26.00	=	\$ -		\$ -	
Erosion Logs/Straw Waddle		LF	\$ 5.00	=	\$ -		\$ -	
Rock Check Dams		EA	\$ 518.00	=	\$ -		\$ -	
Inlet Protection		EA	\$ 173.00	=	\$ -		\$ -	
Sediment Basin		EA	\$ 1,824.00	=	\$ -		\$ -	
Concrete Washout Basin		EA	\$ 932.00	=	\$ -		\$ -	
[insert items not listed but part of construction plans]				=	\$ -		\$ -	
				=	\$ -		\$ -	
MAINTENANCE (35% of Construction BMPs)								
* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)								
Section 1 Subtotal					=	\$ -		\$ -
SECTION 2 - PUBLIC IMPROVEMENTS *								
ROADWAY IMPROVEMENTS								
Construction Traffic Control		LS		=	\$ -		\$ -	
Aggregate Base Course (135 lbs/cf)		Tons	\$ 29.00	=	\$ -		\$ -	
Aggregate Base Course (135 lbs/cf)		CY	\$ 52.00	=	\$ -		\$ -	
Asphalt Pavement (3" thick)		SY	\$ 14.50	=	\$ -		\$ -	
Asphalt Pavement (4" thick)		SY	\$ 20.00	=	\$ -		\$ -	
Asphalt Pavement (6" thick)		SY	\$ 30.00	=	\$ -		\$ -	
Asphalt Pavement (147 lbs/cf) _" thick		Tons	\$ 91.00	=	\$ -		\$ -	
Raised Median, Paved		SF	\$ 8.30	=	\$ -		\$ -	
Regulatory Sign/Advisory Sign		EA	\$ 311.00	=	\$ -		\$ -	
Guide/Street Name Sign		EA		=	\$ -		\$ -	
Epoxy Pavement Marking		SF	\$ 14.00	=	\$ -		\$ -	
Thermoplastic Pavement Marking		SF	\$ 24.00	=	\$ -		\$ -	
Barricade - Type 3		EA	\$ 207.00	=	\$ -		\$ -	
Delineator - Type I		EA	\$ 25.00	=	\$ -		\$ -	
Curb and Gutter, Type A (6" Vertical)		LF	\$ 31.00	=	\$ -		\$ -	
Curb and Gutter, Type B (Median)		LF	\$ 31.00	=	\$ -		\$ -	
Curb and Gutter, Type C (Ramp)		LF	\$ 31.00	=	\$ -		\$ -	
4" Sidewalk (common areas only)		SY	\$ 50.00	=	\$ -		\$ -	
5" Sidewalk		SY	\$ 62.00	=	\$ -		\$ -	
6" Sidewalk		SY	\$ 75.00	=	\$ -		\$ -	
8" Sidewalk		SY	\$ 99.00	=	\$ -		\$ -	
Pedestrian Ramp		EA	\$ 1,190.00	=	\$ -		\$ -	
Cross Pan, local (8" thick, 6' wide to include return)		LF	\$ 63.00	=	\$ -		\$ -	
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 95.00	=	\$ -		\$ -	
Curb Chase		EA	\$ 1,532.00	=	\$ -		\$ -	
Guardrail Type 3 (W-Beam)		LF	\$ 51.00	=	\$ -		\$ -	
Guardrail Type 7 (Concrete)		LF	\$ 75.00	=	\$ -		\$ -	
Guardrail End Anchorage		EA	\$ 2,172.00	=	\$ -		\$ -	
Guardrail Impact Attenuator		EA	\$ 3,899.00	=	\$ -		\$ -	
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 81.00	=	\$ -		\$ -	
Sound Barrier Fence (panels, 6' high)		LF	\$ 83.00	=	\$ -		\$ -	
Electrical Conduit, Size =		LF	\$ 17.00	=	\$ -		\$ -	
Traffic Signal, complete intersection		EA	\$ 439,875	=	\$ -		\$ -	

PROJECT INFORMATION

FM at Bent Grass Drainage Channel - Property 1 **3/28/2022** **CDR-21-14**
Project Name **Date** **PCD File No.**

Description	Quantity	Units	Unit Cost	=	\$	Total	(with Pre-Plat Construction)		
							% Complete	Remaining	
[insert items not listed but part of construction plans]				=	\$	-		\$ -	
[insert items not listed but part of construction plans]				=	\$	-		\$ -	
STORM DRAIN IMPROVEMENTS									
Concrete Box Culvert (M Standard), Size (W x H)		LF		=	\$	-		\$ -	
18" Reinforced Concrete Pipe		LF	\$ 67.00	=	\$	-		\$ -	
24" Reinforced Concrete Pipe		LF	\$ 81.00	=	\$	-		\$ -	
30" Reinforced Concrete Pipe		LF	\$ 100.00	=	\$	-		\$ -	
36" Reinforced Concrete Pipe		LF	\$ 124.00	=	\$	-		\$ -	
42" Reinforced Concrete Pipe		LF	\$ 166.00	=	\$	-		\$ -	
48" Reinforced Concrete Pipe		LF	\$ 202.00	=	\$	-		\$ -	
54" Reinforced Concrete Pipe		LF	\$ 254.00	=	\$	-		\$ -	
60" Reinforced Concrete Pipe		LF	\$ 298.00	=	\$	-		\$ -	
66" Reinforced Concrete Pipe		LF	\$ 344.00	=	\$	-		\$ -	
72" Reinforced Concrete Pipe		LF	\$ 393.00	=	\$	-		\$ -	
18" Corrugated Steel Pipe		LF	\$ 87.00	=	\$	-		\$ -	
24" Corrugated Steel Pipe		LF	\$ 99.00	=	\$	-		\$ -	
30" Corrugated Steel Pipe		LF	\$ 126.00	=	\$	-		\$ -	
36" Corrugated Steel Pipe		LF	\$ 152.00	=	\$	-		\$ -	
42" Corrugated Steel Pipe		LF	\$ 174.00	=	\$	-		\$ -	
48" Corrugated Steel Pipe		LF	\$ 184.00	=	\$	-		\$ -	
54" Corrugated Steel Pipe		LF	\$ 269.00	=	\$	-		\$ -	
60" Corrugated Steel Pipe		LF	\$ 290.00	=	\$	-		\$ -	
66" Corrugated Steel Pipe		LF	\$ 352.00	=	\$	-		\$ -	
72" Corrugated Steel Pipe		LF	\$ 414.00	=	\$	-		\$ -	
78" Corrugated Steel Pipe		LF	\$ 476.00	=	\$	-		\$ -	
84" Corrugated Steel Pipe		LF	\$ 569.00	=	\$	-		\$ -	
Flared End Section (FES) RCP Size = <small>(unit cost = 6x pipe unit cost)</small>		EA		=	\$	-		\$ -	
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	\$ 5,736.00	=	\$	-		\$ -	
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 7,440.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =5', 10' ≤ Depth < 15'		EA	\$ 8,637.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =10', Depth < 5'		EA	\$ 7,894.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'		EA	\$ 8,136.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'		EA	\$ 10,185.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =15', Depth < 5'		EA	\$ 10,265.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'		EA	\$ 11,005.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'		EA	\$ 12,034.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =20', Depth < 5'		EA	\$ 10,940.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =20', 5' ≤ Depth < 10'		EA	\$ 12,075.00	=	\$	-		\$ -	
Grated Inlet (Type C), Depth < 5'		EA	\$ 4,802.00	=	\$	-		\$ -	
Grated Inlet (Type D), Depth < 5'		EA	\$ 5,932.00	=	\$	-		\$ -	
Storm Sewer Manhole, Box Base		EA	\$ 12,034.00	=	\$	-		\$ -	
Storm Sewer Manhole, Slab Base		EA	\$ 6,619.00	=	\$	-		\$ -	
Geotextile (Erosion Control)		SY	\$ 6.20	=	\$	-		\$ -	
Rip Rap, d50 size from 6" to 24"		Tons	\$ 83.00	=	\$	-		\$ -	
Rip Rap, Grouted		Tons	\$ 98.00	=	\$	-		\$ -	
Drainage Channel Construction, Size (38 x 5)	700	LF	\$ 278.15	=	\$	194,705.00		\$ 194,705.00	
Drainage Channel Lining, Concrete		CY	\$ 590.00	=	\$	-		\$ -	
Drainage Channel Lining, Rip Rap		CY	\$ 116.00	=	\$	-		\$ -	
Drainage Channel Lining, Grass		AC	\$ 1,520.00	=	\$	-		\$ -	
Drainage Channel Lining, Other Stabilization		EA		=	\$	-		\$ -	
[insert items not listed but part of construction plans]				=	\$	-		\$ -	
[insert items not listed but part of construction plans]				=	\$	-		\$ -	
Section 2 Subtotal				=	\$	194,705.00		\$ 194,705.00	

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

This needs to be updated to actual estimated costs with breakdown of each item. Include drop structures, riprap lining, low-flow channel, etc.

PROJECT INFORMATION		
FM at Bent Grass Drainage Channel - Property 1	3/28/2022	CDR-21-14
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**						
ROADWAY IMPROVEMENTS						
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)						
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
WATER SYSTEM IMPROVEMENTS						
Water Main Pipe (PVC), Size 8"		LF	\$ 66.00	= \$	-	\$ -
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 78.00	= \$	-	\$ -
Gate Valves, 8"		EA	\$ 1,923.00	= \$	-	\$ -
Fire Hydrant Assembly, w/ all valves		EA	\$ 6,828.00	= \$	-	\$ -
Water Service Line Installation, inc. tap and valves		EA	\$ 1,370.00	= \$	-	\$ -
Fire Cistern Installation, complete		EA		= \$	-	\$ -
[insert items not listed but part of construction plans]				= \$	-	\$ -
SANITARY SEWER IMPROVEMENTS						
Sewer Main Pipe (PVC), Size 8"		LF	\$ 66.00	= \$	-	\$ -
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$ 4,540.00	= \$	-	\$ -
Sanitary Service Line Installation, complete		EA	\$ 1,451.00	= \$	-	\$ -
Sanitary Sewer Lift Station, complete		EA		= \$	-	\$ -
[insert items not listed but part of construction plans]				= \$	-	\$ -
LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)						
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
Section 3 Subtotal				= \$	-	\$ -

** - Section 3 is not subject to defect warranty requirements

PROJECT INFORMATION

FM at Bent Grass Drainage Channel - Property 1	3/28/2022	CDR-21-14
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS		= \$ -		\$ -
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS		= \$ -		\$ -
Total Construction Financial Assurance						\$ 194,705.00
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$ 194,705.00
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance						\$ 38,941.00
(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)

Approved by Owner / Applicant Date

Approved by El Paso County Engineer / ECM Administrator Date

2021 Financial Assurance Estimate Form
(with pre-plat construction)

Updated: 12/22/2020

PROJECT INFORMATION		
FM at Bent Grass Drainage Channel - Property 2	3/28/2022	CDR-21-14
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
SECTION 1 - GRADING AND EROSION CONTROL (Construction and Permanent BMPs)							
* Earthwork							
less than 1,000; \$5,300 min		CY	\$ 8.00	=	\$ -		\$ -
1,000-5,000; \$8,000 min		CY	\$ 6.00	=	\$ -		\$ -
5,001-20,000; \$30,000 min		CY	\$ 5.00	=	\$ -		\$ -
20,001-50,000; \$100,000 min		CY	\$ 3.50	=	\$ -		\$ -
50,001-200,000; \$175,000 min		CY	\$ 2.50	=	\$ -		\$ -
greater than 200,000; \$500,000 min		CY	\$ 2.00	=	\$ -		\$ -
* Permanent Seeding (inc. noxious weed mgmnt.)		AC	\$ 828.00	=	\$ -		\$ -
* Mulching		AC	\$ 777.00	=	\$ -		\$ -
* Permanent Erosion Control Blanket		SY	\$ 6.00	=	\$ -		\$ -
* Permanent Pond/BMP Construction		CY	\$ 21.00	=	\$ -		\$ -
* Permanent Pond/BMP (provide engineer's estimate)		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
Safety Fence		LF	\$ 3.00	=	\$ -		\$ -
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$ -		\$ -
Vehicle Tracking Control		EA	\$ 2,453.00	=	\$ -		\$ -
Silt Fence		LF	\$ 2.60	=	\$ -		\$ -
Temporary Seeding		AC	\$ 650.00	=	\$ -		\$ -
Temporary Mulch		AC	\$ 777.00	=	\$ -		\$ -
Erosion Bales		EA	\$ 26.00	=	\$ -		\$ -
Erosion Logs/Straw Waddle		LF	\$ 5.00	=	\$ -		\$ -
Rock Check Dams		EA	\$ 518.00	=	\$ -		\$ -
Inlet Protection		EA	\$ 173.00	=	\$ -		\$ -
Sediment Basin		EA	\$ 1,824.00	=	\$ -		\$ -
Concrete Washout Basin		EA	\$ 932.00	=	\$ -		\$ -
				=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
				=	\$ -		\$ -
MAINTENANCE (35% of Construction BMPs)				=	\$ -		\$ -
* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)							
Section 1 Subtotal				=	\$ -		\$ -
SECTION 2 - PUBLIC IMPROVEMENTS *							
ROADWAY IMPROVEMENTS							
Construction Traffic Control		LS		=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)		Tons	\$ 29.00	=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)		CY	\$ 52.00	=	\$ -		\$ -
Asphalt Pavement (3" thick)		SY	\$ 14.50	=	\$ -		\$ -
Asphalt Pavement (4" thick)		SY	\$ 20.00	=	\$ -		\$ -
Asphalt Pavement (6" thick)		SY	\$ 30.00	=	\$ -		\$ -
Asphalt Pavement (147 lbs/cf) _" thick		Tons	\$ 91.00	=	\$ -		\$ -
Raised Median, Paved		SF	\$ 8.30	=	\$ -		\$ -
Regulatory Sign/Advisory Sign		EA	\$ 311.00	=	\$ -		\$ -
Guide/Street Name Sign		EA		=	\$ -		\$ -
Epoxy Pavement Marking		SF	\$ 14.00	=	\$ -		\$ -
Thermoplastic Pavement Marking		SF	\$ 24.00	=	\$ -		\$ -
Barricade - Type 3		EA	\$ 207.00	=	\$ -		\$ -
Delineator - Type I		EA	\$ 25.00	=	\$ -		\$ -
Curb and Gutter, Type A (6" Vertical)		LF	\$ 31.00	=	\$ -		\$ -
Curb and Gutter, Type B (Median)		LF	\$ 31.00	=	\$ -		\$ -
Curb and Gutter, Type C (Ramp)		LF	\$ 31.00	=	\$ -		\$ -
4" Sidewalk (common areas only)		SY	\$ 50.00	=	\$ -		\$ -
5" Sidewalk		SY	\$ 62.00	=	\$ -		\$ -
6" Sidewalk		SY	\$ 75.00	=	\$ -		\$ -
8" Sidewalk		SY	\$ 99.00	=	\$ -		\$ -
Pedestrian Ramp		EA	\$ 1,190.00	=	\$ -		\$ -
Cross Pan, local (8" thick, 6' wide to include return)		LF	\$ 63.00	=	\$ -		\$ -
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 95.00	=	\$ -		\$ -
Curb Chase		EA	\$ 1,532.00	=	\$ -		\$ -
Guardrail Type 3 (W-Beam)		LF	\$ 51.00	=	\$ -		\$ -
Guardrail Type 7 (Concrete)		LF	\$ 75.00	=	\$ -		\$ -
Guardrail End Anchorage		EA	\$ 2,172.00	=	\$ -		\$ -
Guardrail Impact Attenuator		EA	\$ 3,899.00	=	\$ -		\$ -
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 81.00	=	\$ -		\$ -
Sound Barrier Fence (panels, 6' high)		LF	\$ 83.00	=	\$ -		\$ -
Electrical Conduit, Size =		LF	\$ 17.00	=	\$ -		\$ -
Traffic Signal, complete intersection		EA	\$ 439,875	=	\$ -		\$ -

PROJECT INFORMATION

FM at Bent Grass Drainage Channel - Property 2 3/28/2022 CDR-21-14
 Project Name Date PCD File No.

Description	Quantity	Units	Unit Cost	=	\$	Total	(with Pre-Plat Construction)		
							% Complete	Remaining	
[insert items not listed but part of construction plans]				=	\$	-		\$ -	
[insert items not listed but part of construction plans]				=	\$	-		\$ -	
STORM DRAIN IMPROVEMENTS									
Concrete Box Culvert (M Standard), Size (W x H)		LF		=	\$	-		\$ -	
18" Reinforced Concrete Pipe		LF	\$ 67.00	=	\$	-		\$ -	
24" Reinforced Concrete Pipe		LF	\$ 81.00	=	\$	-		\$ -	
30" Reinforced Concrete Pipe		LF	\$ 100.00	=	\$	-		\$ -	
36" Reinforced Concrete Pipe		LF	\$ 124.00	=	\$	-		\$ -	
42" Reinforced Concrete Pipe		LF	\$ 166.00	=	\$	-		\$ -	
48" Reinforced Concrete Pipe		LF	\$ 202.00	=	\$	-		\$ -	
54" Reinforced Concrete Pipe		LF	\$ 254.00	=	\$	-		\$ -	
60" Reinforced Concrete Pipe		LF	\$ 298.00	=	\$	-		\$ -	
66" Reinforced Concrete Pipe		LF	\$ 344.00	=	\$	-		\$ -	
72" Reinforced Concrete Pipe		LF	\$ 393.00	=	\$	-		\$ -	
18" Corrugated Steel Pipe		LF	\$ 87.00	=	\$	-		\$ -	
24" Corrugated Steel Pipe		LF	\$ 99.00	=	\$	-		\$ -	
30" Corrugated Steel Pipe		LF	\$ 126.00	=	\$	-		\$ -	
36" Corrugated Steel Pipe		LF	\$ 152.00	=	\$	-		\$ -	
42" Corrugated Steel Pipe		LF	\$ 174.00	=	\$	-		\$ -	
48" Corrugated Steel Pipe		LF	\$ 184.00	=	\$	-		\$ -	
54" Corrugated Steel Pipe		LF	\$ 269.00	=	\$	-		\$ -	
60" Corrugated Steel Pipe		LF	\$ 290.00	=	\$	-		\$ -	
66" Corrugated Steel Pipe		LF	\$ 352.00	=	\$	-		\$ -	
72" Corrugated Steel Pipe		LF	\$ 414.00	=	\$	-		\$ -	
78" Corrugated Steel Pipe		LF	\$ 476.00	=	\$	-		\$ -	
84" Corrugated Steel Pipe		LF	\$ 569.00	=	\$	-		\$ -	
Flared End Section (FES) RCP Size = <small>(unit cost = 6x pipe unit cost)</small>		EA		=	\$	-		\$ -	
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	\$ 5,736.00	=	\$	-		\$ -	
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 7,440.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =5', 10' ≤ Depth < 15'		EA	\$ 8,637.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =10', Depth < 5'		EA	\$ 7,894.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'		EA	\$ 8,136.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'		EA	\$ 10,185.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =15', Depth < 5'		EA	\$ 10,265.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'		EA	\$ 11,005.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'		EA	\$ 12,034.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =20', Depth < 5'		EA	\$ 10,940.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =20', 5' ≤ Depth < 10'		EA	\$ 12,075.00	=	\$	-		\$ -	
Grated Inlet (Type C), Depth < 5'		EA	\$ 4,802.00	=	\$	-		\$ -	
Grated Inlet (Type D), Depth < 5'		EA	\$ 5,932.00	=	\$	-		\$ -	
Storm Sewer Manhole, Box Base		EA	\$ 12,034.00	=	\$	-		\$ -	
Storm Sewer Manhole, Slab Base		EA	\$ 6,619.00	=	\$	-		\$ -	
Geotextile (Erosion Control)		SY	\$ 6.20	=	\$	-		\$ -	
Rip Rap, d50 size from 6" to 24"		Tons	\$ 83.00	=	\$	-		\$ -	
Rip Rap, Grouted		Tons	\$ 98.00	=	\$	-		\$ -	
Drainage Channel Construction, Size (38 x 5)	950	LF	\$ 278.15	=	\$	264,242.50		\$ 264,242.50	
Drainage Channel Lining, Concrete		CY	\$ 590.00	=	\$	-		\$ -	
Drainage Channel Lining, Rip Rap		CY	\$ 116.00	=	\$	-		\$ -	
Drainage Channel Lining, Grass		AC	\$ 1,520.00	=	\$	-		\$ -	
Drainage Channel Lining, Other Stabilization				=	\$	-		\$ -	
[insert items not listed but part of construction plans]				=	\$	-		\$ -	
[insert items not listed but part of construction plans]				=	\$	-		\$ -	
Section 2 Subtotal				=	\$	264,242.50		\$ 264,242.50	

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

PROJECT INFORMATION		
FM at Bent Grass Drainage Channel - Property 2	3/28/2022	CDR-21-14
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**						
ROADWAY IMPROVEMENTS						
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)						
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
WATER SYSTEM IMPROVEMENTS						
Water Main Pipe (PVC), Size 8"		LF	\$ 66.00	= \$	-	\$ -
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 78.00	= \$	-	\$ -
Gate Valves, 8"		EA	\$ 1,923.00	= \$	-	\$ -
Fire Hydrant Assembly, w/ all valves		EA	\$ 6,828.00	= \$	-	\$ -
Water Service Line Installation, inc. tap and valves		EA	\$ 1,370.00	= \$	-	\$ -
Fire Cistern Installation, complete		EA		= \$	-	\$ -
[insert items not listed but part of construction plans]				= \$	-	\$ -
SANITARY SEWER IMPROVEMENTS						
Sewer Main Pipe (PVC), Size 8"		LF	\$ 66.00	= \$	-	\$ -
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$ 4,540.00	= \$	-	\$ -
Sanitary Service Line Installation, complete		EA	\$ 1,451.00	= \$	-	\$ -
Sanitary Sewer Lift Station, complete		EA		= \$	-	\$ -
[insert items not listed but part of construction plans]				= \$	-	\$ -
LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)						
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
Section 3 Subtotal				= \$	-	\$ -

** - Section 3 is not subject to defect warranty requirements

PROJECT INFORMATION

FM at Bent Grass Drainage Channel - Property 2

3/28/2022

CDR-21-14

Project Name

Date

PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS		=	\$ -	\$	-
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS		=	\$ -	\$	-
Total Construction Financial Assurance						\$	264,242.50
(Sum of all section subtotals plus as-builts and pond/BMP certification)							
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$	264,242.50
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)							
Total Defect Warranty Financial Assurance						\$	52,848.50
(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)

 Approved by Owner / Applicant

 Date

 Approved by El Paso County Engineer / ECM Administrator

 Date

2021 Financial Assurance Estimate Form (with pre-plat construction)

Updated: 12/22/2020

PROJECT INFORMATION		
FM at Bent Grass Drainage Channel - Property 3	3/28/2022	CDR-21-14
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
SECTION 1 - GRADING AND EROSION CONTROL (Construction and Permanent BMPs)							
* Earthwork							
less than 1,000; \$5,300 min		CY	\$ 8.00	=	\$ -		\$ -
1,000-5,000; \$8,000 min		CY	\$ 6.00	=	\$ -		\$ -
5,001-20,000; \$30,000 min		CY	\$ 5.00	=	\$ -		\$ -
20,001-50,000; \$100,000 min		CY	\$ 3.50	=	\$ -		\$ -
50,001-200,000; \$175,000 min		CY	\$ 2.50	=	\$ -		\$ -
greater than 200,000; \$500,000 min		CY	\$ 2.00	=	\$ -		\$ -
* Permanent Seeding (inc. noxious weed mgmnt.)		AC	\$ 828.00	=	\$ -		\$ -
* Mulching		AC	\$ 777.00	=	\$ -		\$ -
* Permanent Erosion Control Blanket		SY	\$ 6.00	=	\$ -		\$ -
* Permanent Pond/BMP Construction		CY	\$ 21.00	=	\$ -		\$ -
* Permanent Pond/BMP (provide engineer's estimate)		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
Safety Fence		LF	\$ 3.00	=	\$ -		\$ -
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$ -		\$ -
Vehicle Tracking Control		EA	\$ 2,453.00	=	\$ -		\$ -
Silt Fence		LF	\$ 2.60	=	\$ -		\$ -
Temporary Seeding		AC	\$ 650.00	=	\$ -		\$ -
Temporary Mulch		AC	\$ 777.00	=	\$ -		\$ -
Erosion Bales		EA	\$ 26.00	=	\$ -		\$ -
Erosion Logs/Straw Waddle		LF	\$ 5.00	=	\$ -		\$ -
Rock Check Dams		EA	\$ 518.00	=	\$ -		\$ -
Inlet Protection		EA	\$ 173.00	=	\$ -		\$ -
Sediment Basin		EA	\$ 1,824.00	=	\$ -		\$ -
Concrete Washout Basin		EA	\$ 932.00	=	\$ -		\$ -
				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
MAINTENANCE (35% of Construction BMPs)					=	\$ -	\$ -
Section 1 Subtotal					=	\$ -	\$ -
SECTION 2 - PUBLIC IMPROVEMENTS *							
ROADWAY IMPROVEMENTS							
Construction Traffic Control		LS		=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)		Tons	\$ 29.00	=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)		CY	\$ 52.00	=	\$ -		\$ -
Asphalt Pavement (3" thick)		SY	\$ 14.50	=	\$ -		\$ -
Asphalt Pavement (4" thick)		SY	\$ 20.00	=	\$ -		\$ -
Asphalt Pavement (6" thick)		SY	\$ 30.00	=	\$ -		\$ -
Asphalt Pavement (147 lbs/cf) _" thick		Tons	\$ 91.00	=	\$ -		\$ -
Raised Median, Paved		SF	\$ 8.30	=	\$ -		\$ -
Regulatory Sign/Advisory Sign		EA	\$ 311.00	=	\$ -		\$ -
Guide/Street Name Sign		EA		=	\$ -		\$ -
Epoxy Pavement Marking		SF	\$ 14.00	=	\$ -		\$ -
Thermoplastic Pavement Marking		SF	\$ 24.00	=	\$ -		\$ -
Barricade - Type 3		EA	\$ 207.00	=	\$ -		\$ -
Delineator - Type I		EA	\$ 25.00	=	\$ -		\$ -
Curb and Gutter, Type A (6" Vertical)		LF	\$ 31.00	=	\$ -		\$ -
Curb and Gutter, Type B (Median)		LF	\$ 31.00	=	\$ -		\$ -
Curb and Gutter, Type C (Ramp)		LF	\$ 31.00	=	\$ -		\$ -
4" Sidewalk (common areas only)		SY	\$ 50.00	=	\$ -		\$ -
5" Sidewalk		SY	\$ 62.00	=	\$ -		\$ -
6" Sidewalk		SY	\$ 75.00	=	\$ -		\$ -
8" Sidewalk		SY	\$ 99.00	=	\$ -		\$ -
Pedestrian Ramp		EA	\$ 1,190.00	=	\$ -		\$ -
Cross Pan, local (8" thick, 6' wide to include return)		LF	\$ 63.00	=	\$ -		\$ -
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 95.00	=	\$ -		\$ -
Curb Chase		EA	\$ 1,532.00	=	\$ -		\$ -
Guardrail Type 3 (W-Beam)		LF	\$ 51.00	=	\$ -		\$ -
Guardrail Type 7 (Concrete)		LF	\$ 75.00	=	\$ -		\$ -
Guardrail End Anchorage		EA	\$ 2,172.00	=	\$ -		\$ -
Guardrail Impact Attenuator		EA	\$ 3,899.00	=	\$ -		\$ -
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 81.00	=	\$ -		\$ -
Sound Barrier Fence (panels, 6' high)		LF	\$ 83.00	=	\$ -		\$ -
Electrical Conduit, Size =		LF	\$ 17.00	=	\$ -		\$ -
Traffic Signal, complete intersection		EA	\$ 439,875	=	\$ -		\$ -

PROJECT INFORMATION

FM at Bent Grass Drainage Channel - Property 3	3/28/2022	CDR-21-14
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	\$ 67.00	=	\$	-		\$ -
24" Reinforced Concrete Pipe		LF	\$ 81.00	=	\$	-		\$ -
30" Reinforced Concrete Pipe		LF	\$ 100.00	=	\$	-		\$ -
36" Reinforced Concrete Pipe		LF	\$ 124.00	=	\$	-		\$ -
42" Reinforced Concrete Pipe		LF	\$ 166.00	=	\$	-		\$ -
48" Reinforced Concrete Pipe		LF	\$ 202.00	=	\$	-		\$ -
54" Reinforced Concrete Pipe		LF	\$ 254.00	=	\$	-		\$ -
60" Reinforced Concrete Pipe		LF	\$ 298.00	=	\$	-		\$ -
66" Reinforced Concrete Pipe		LF	\$ 344.00	=	\$	-		\$ -
72" Reinforced Concrete Pipe		LF	\$ 393.00	=	\$	-		\$ -
18" Corrugated Steel Pipe		LF	\$ 87.00	=	\$	-		\$ -
24" Corrugated Steel Pipe		LF	\$ 99.00	=	\$	-		\$ -
30" Corrugated Steel Pipe		LF	\$ 126.00	=	\$	-		\$ -
36" Corrugated Steel Pipe		LF	\$ 152.00	=	\$	-		\$ -
42" Corrugated Steel Pipe		LF	\$ 174.00	=	\$	-		\$ -
48" Corrugated Steel Pipe		LF	\$ 184.00	=	\$	-		\$ -
54" Corrugated Steel Pipe		LF	\$ 269.00	=	\$	-		\$ -
60" Corrugated Steel Pipe		LF	\$ 290.00	=	\$	-		\$ -
66" Corrugated Steel Pipe		LF	\$ 352.00	=	\$	-		\$ -
72" Corrugated Steel Pipe		LF	\$ 414.00	=	\$	-		\$ -
78" Corrugated Steel Pipe		LF	\$ 476.00	=	\$	-		\$ -
84" Corrugated Steel Pipe		LF	\$ 569.00	=	\$	-		\$ -
Flared End Section (FES) RCP Size = <i>(unit cost = 6x pipe unit cost)</i>		EA		=	\$	-		\$ -
Flared End Section (FES) CSP Size = <i>(unit cost = 6x 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	\$ 5,736.00	=	\$	-		\$ -
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 7,440.00	=	\$	-		\$ -
Curb Inlet (Type R) L =5', 10' ≤ Depth < 15'		EA	\$ 8,637.00	=	\$	-		\$ -
Curb Inlet (Type R) L =10', Depth < 5'		EA	\$ 7,894.00	=	\$	-		\$ -
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'		EA	\$ 8,136.00	=	\$	-		\$ -
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'		EA	\$ 10,185.00	=	\$	-		\$ -
Curb Inlet (Type R) L =15', Depth < 5'		EA	\$ 10,265.00	=	\$	-		\$ -
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'		EA	\$ 11,005.00	=	\$	-		\$ -
Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'		EA	\$ 12,034.00	=	\$	-		\$ -
Curb Inlet (Type R) L =20', Depth < 5'		EA	\$ 10,940.00	=	\$	-		\$ -
Curb Inlet (Type R) L =20', 5' ≤ Depth < 10'		EA	\$ 12,075.00	=	\$	-		\$ -
Grated Inlet (Type C), Depth < 5'		EA	\$ 4,802.00	=	\$	-		\$ -
Grated Inlet (Type D), Depth < 5'		EA	\$ 5,932.00	=	\$	-		\$ -
Storm Sewer Manhole, Box Base		EA	\$ 12,034.00	=	\$	-		\$ -
Storm Sewer Manhole, Slab Base		EA	\$ 6,619.00	=	\$	-		\$ -
Geotextile (Erosion Control)		SY	\$ 6.20	=	\$	-		\$ -
Rip Rap, d50 size from 6" to 24"		Tons	\$ 83.00	=	\$	-		\$ -
Rip Rap, Grouted		Tons	\$ 98.00	=	\$	-		\$ -
Drainage Channel Construction, Size (38 x 5)	650	LF	\$ 278.15	=	\$	180,797.50		\$ 180,797.50
Drainage Channel Lining, Concrete		CY	\$ 590.00	=	\$	-		\$ -
Drainage Channel Lining, Rip Rap		CY	\$ 116.00	=	\$	-		\$ -
Drainage Channel Lining, Grass		AC	\$ 1,520.00	=	\$	-		\$ -
Drainage Channel Lining, Other Stabilization				=	\$	-		\$ -
<i>[insert items not listed but part of construction plans]</i>			\$ 50,000.00	=	\$	-		\$ -
				Section 2 Subtotal	=	\$ 180,797.50		\$ 180,797.50

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

PROJECT INFORMATION		
FM at Bent Grass Drainage Channel - Property 3	3/28/2022	CDR-21-14
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**						
ROADWAY IMPROVEMENTS						
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)						
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
WATER SYSTEM IMPROVEMENTS						
Water Main Pipe (PVC), Size 8"		LF	\$ 66.00	= \$	-	\$ -
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 78.00	= \$	-	\$ -
Gate Valves, 8"		EA	\$ 1,923.00	= \$	-	\$ -
Fire Hydrant Assembly, w/ all valves		EA	\$ 6,828.00	= \$	-	\$ -
Water Service Line Installation, inc. tap and valves		EA	\$ 1,370.00	= \$	-	\$ -
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	\$ 66.00	= \$	-	\$ -
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$ 4,540.00	= \$	-	\$ -
Sanitary Service Line Installation, complete		EA	\$ 1,451.00	= \$	-	\$ -
Sanitary Sewer Lift Station, complete		EA		= \$	-	\$ -
<i>[insert items not listed but part of construction plans]</i>				= \$	-	\$ -
LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)						
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
Section 3 Subtotal				= \$	-	\$ -

** - Section 3 is not subject to defect warranty requirements

PROJECT INFORMATION

FM at Bent Grass Drainage Channel - Property 3	3/28/2022	CDR-21-14
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS		= \$ -		\$ -
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS		= \$ -		\$ -
Total Construction Financial Assurance						\$ 180,797.50
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$ 180,797.50
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance						\$ 36,159.50
(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)

 Approved by Owner / Applicant

 Date

 Approved by El Paso County Engineer / ECM Administrator

 Date

2021 Financial Assurance Estimate Form (with pre-plat construction)

Updated: 12/22/2020

PROJECT INFORMATION		
FM at Bent Grass Drainage Channel - Property 4	3/28/2022	CDR-21-14
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
SECTION 1 - GRADING AND EROSION CONTROL (Construction and Permanent BMPs)							
* Earthwork							
less than 1,000; \$5,300 min		CY	\$ 8.00	=	\$ -		\$ -
1,000-5,000; \$8,000 min		CY	\$ 6.00	=	\$ -		\$ -
5,001-20,000; \$30,000 min		CY	\$ 5.00	=	\$ -		\$ -
20,001-50,000; \$100,000 min		CY	\$ 3.50	=	\$ -		\$ -
50,001-200,000; \$175,000 min		CY	\$ 2.50	=	\$ -		\$ -
greater than 200,000; \$500,000 min		CY	\$ 2.00	=	\$ -		\$ -
* Permanent Seeding (inc. noxious weed mgmnt.)		AC	\$ 828.00	=	\$ -		\$ -
* Mulching		AC	\$ 777.00	=	\$ -		\$ -
* Permanent Erosion Control Blanket		SY	\$ 6.00	=	\$ -		\$ -
* Permanent Pond/BMP Construction		CY	\$ 21.00	=	\$ -		\$ -
* Permanent Pond/BMP (provide engineer's estimate)		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
Safety Fence		LF	\$ 3.00	=	\$ -		\$ -
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$ -		\$ -
Vehicle Tracking Control		EA	\$ 2,453.00	=	\$ -		\$ -
Silt Fence		LF	\$ 2.60	=	\$ -		\$ -
Temporary Seeding		AC	\$ 650.00	=	\$ -		\$ -
Temporary Mulch		AC	\$ 777.00	=	\$ -		\$ -
Erosion Bales		EA	\$ 26.00	=	\$ -		\$ -
Erosion Logs/Straw Waddle		LF	\$ 5.00	=	\$ -		\$ -
Rock Check Dams		EA	\$ 518.00	=	\$ -		\$ -
Inlet Protection		EA	\$ 173.00	=	\$ -		\$ -
Sediment Basin		EA	\$ 1,824.00	=	\$ -		\$ -
Concrete Washout Basin		EA	\$ 932.00	=	\$ -		\$ -
				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
MAINTENANCE (35% of Construction BMPs)					=	\$ -	\$ -
Section 1 Subtotal					=	\$ -	\$ -
SECTION 2 - PUBLIC IMPROVEMENTS *							
ROADWAY IMPROVEMENTS							
Construction Traffic Control		LS		=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)		Tons	\$ 29.00	=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)		CY	\$ 52.00	=	\$ -		\$ -
Asphalt Pavement (3" thick)		SY	\$ 14.50	=	\$ -		\$ -
Asphalt Pavement (4" thick)		SY	\$ 20.00	=	\$ -		\$ -
Asphalt Pavement (6" thick)		SY	\$ 30.00	=	\$ -		\$ -
Asphalt Pavement (147 lbs/cf) _" thick		Tons	\$ 91.00	=	\$ -		\$ -
Raised Median, Paved		SF	\$ 8.30	=	\$ -		\$ -
Regulatory Sign/Advisory Sign		EA	\$ 311.00	=	\$ -		\$ -
Guide/Street Name Sign		EA		=	\$ -		\$ -
Epoxy Pavement Marking		SF	\$ 14.00	=	\$ -		\$ -
Thermoplastic Pavement Marking		SF	\$ 24.00	=	\$ -		\$ -
Barricade - Type 3		EA	\$ 207.00	=	\$ -		\$ -
Delineator - Type I		EA	\$ 25.00	=	\$ -		\$ -
Curb and Gutter, Type A (6" Vertical)		LF	\$ 31.00	=	\$ -		\$ -
Curb and Gutter, Type B (Median)		LF	\$ 31.00	=	\$ -		\$ -
Curb and Gutter, Type C (Ramp)		LF	\$ 31.00	=	\$ -		\$ -
4" Sidewalk (common areas only)		SY	\$ 50.00	=	\$ -		\$ -
5" Sidewalk		SY	\$ 62.00	=	\$ -		\$ -
6" Sidewalk		SY	\$ 75.00	=	\$ -		\$ -
8" Sidewalk		SY	\$ 99.00	=	\$ -		\$ -
Pedestrian Ramp		EA	\$ 1,190.00	=	\$ -		\$ -
Cross Pan, local (8" thick, 6' wide to include return)		LF	\$ 63.00	=	\$ -		\$ -
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 95.00	=	\$ -		\$ -
Curb Chase		EA	\$ 1,532.00	=	\$ -		\$ -
Guardrail Type 3 (W-Beam)		LF	\$ 51.00	=	\$ -		\$ -
Guardrail Type 7 (Concrete)		LF	\$ 75.00	=	\$ -		\$ -
Guardrail End Anchorage		EA	\$ 2,172.00	=	\$ -		\$ -
Guardrail Impact Attenuator		EA	\$ 3,899.00	=	\$ -		\$ -
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 81.00	=	\$ -		\$ -
Sound Barrier Fence (panels, 6' high)		LF	\$ 83.00	=	\$ -		\$ -
Electrical Conduit, Size =		LF	\$ 17.00	=	\$ -		\$ -
Traffic Signal, complete intersection		EA	\$ 439,875	=	\$ -		\$ -

PROJECT INFORMATION

FM at Bent Grass Drainage Channel - Property 4 3/28/2022 CDR-21-14
 Project Name Date PCD File No.

Description	Quantity	Units	Unit Cost	=	\$	Total	(with Pre-Plat Construction)		
							% Complete	Remaining	
[insert items not listed but part of construction plans]				=	\$	-		\$ -	
[insert items not listed but part of construction plans]				=	\$	-		\$ -	
STORM DRAIN IMPROVEMENTS									
Concrete Box Culvert (M Standard), Size (W x H)		LF		=	\$	-		\$ -	
18" Reinforced Concrete Pipe		LF	\$ 67.00	=	\$	-		\$ -	
24" Reinforced Concrete Pipe		LF	\$ 81.00	=	\$	-		\$ -	
30" Reinforced Concrete Pipe		LF	\$ 100.00	=	\$	-		\$ -	
36" Reinforced Concrete Pipe		LF	\$ 124.00	=	\$	-		\$ -	
42" Reinforced Concrete Pipe		LF	\$ 166.00	=	\$	-		\$ -	
48" Reinforced Concrete Pipe		LF	\$ 202.00	=	\$	-		\$ -	
54" Reinforced Concrete Pipe		LF	\$ 254.00	=	\$	-		\$ -	
60" Reinforced Concrete Pipe		LF	\$ 298.00	=	\$	-		\$ -	
66" Reinforced Concrete Pipe		LF	\$ 344.00	=	\$	-		\$ -	
72" Reinforced Concrete Pipe		LF	\$ 393.00	=	\$	-		\$ -	
18" Corrugated Steel Pipe		LF	\$ 87.00	=	\$	-		\$ -	
24" Corrugated Steel Pipe		LF	\$ 99.00	=	\$	-		\$ -	
30" Corrugated Steel Pipe		LF	\$ 126.00	=	\$	-		\$ -	
36" Corrugated Steel Pipe		LF	\$ 152.00	=	\$	-		\$ -	
42" Corrugated Steel Pipe		LF	\$ 174.00	=	\$	-		\$ -	
48" Corrugated Steel Pipe		LF	\$ 184.00	=	\$	-		\$ -	
54" Corrugated Steel Pipe		LF	\$ 269.00	=	\$	-		\$ -	
60" Corrugated Steel Pipe		LF	\$ 290.00	=	\$	-		\$ -	
66" Corrugated Steel Pipe		LF	\$ 352.00	=	\$	-		\$ -	
72" Corrugated Steel Pipe		LF	\$ 414.00	=	\$	-		\$ -	
78" Corrugated Steel Pipe		LF	\$ 476.00	=	\$	-		\$ -	
84" Corrugated Steel Pipe		LF	\$ 569.00	=	\$	-		\$ -	
Flared End Section (FES) RCP Size = <small>(unit cost = 6x pipe unit cost)</small>		EA		=	\$	-		\$ -	
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	\$ 5,736.00	=	\$	-		\$ -	
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 7,440.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =5', 10' ≤ Depth < 15'		EA	\$ 8,637.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =10', Depth < 5'		EA	\$ 7,894.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'		EA	\$ 8,136.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'		EA	\$ 10,185.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =15', Depth < 5'		EA	\$ 10,265.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'		EA	\$ 11,005.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'		EA	\$ 12,034.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =20', Depth < 5'		EA	\$ 10,940.00	=	\$	-		\$ -	
Curb Inlet (Type R) L =20', 5' ≤ Depth < 10'		EA	\$ 12,075.00	=	\$	-		\$ -	
Grated Inlet (Type C), Depth < 5'		EA	\$ 4,802.00	=	\$	-		\$ -	
Grated Inlet (Type D), Depth < 5'		EA	\$ 5,932.00	=	\$	-		\$ -	
Storm Sewer Manhole, Box Base		EA	\$ 12,034.00	=	\$	-		\$ -	
Storm Sewer Manhole, Slab Base		EA	\$ 6,619.00	=	\$	-		\$ -	
Geotextile (Erosion Control)		SY	\$ 6.20	=	\$	-		\$ -	
Rip Rap, d50 size from 6" to 24"		Tons	\$ 83.00	=	\$	-		\$ -	
Rip Rap, Grouted		Tons	\$ 98.00	=	\$	-		\$ -	
Drainage Channel Construction, Size (38 x 5)	210	LF	\$ 278.15	=	\$	58,411.50		\$ 58,411.50	
Drainage Channel Lining, Concrete		CY	\$ 590.00	=	\$	-		\$ -	
Drainage Channel Lining, Rip Rap		CY	\$ 116.00	=	\$	-		\$ -	
Drainage Channel Lining, Grass		AC	\$ 1,520.00	=	\$	-		\$ -	
Drainage Channel Lining, Other Stabilization				=	\$	-		\$ -	
[insert items not listed but part of construction plans]				=	\$	-		\$ -	
[insert items not listed but part of construction plans]				=	\$	-		\$ -	
Section 2 Subtotal						= \$ 58,411.50		\$ 58,411.50	

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

PROJECT INFORMATION

FM at Bent Grass Drainage Channel - Property 4	3/28/2022	CDR-21-14
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**							
ROADWAY IMPROVEMENTS							
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)							
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
WATER SYSTEM IMPROVEMENTS							
Water Main Pipe (PVC), Size 8"		LF	\$ 66.00	=	\$ -		\$ -
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 78.00	=	\$ -		\$ -
Gate Valves, 8"		EA	\$ 1,923.00	=	\$ -		\$ -
Fire Hydrant Assembly, w/ all valves		EA	\$ 6,828.00	=	\$ -		\$ -
Water Service Line Installation, inc. tap and valves		EA	\$ 1,370.00	=	\$ -		\$ -
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	\$ 66.00	=	\$ -		\$ -
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$ 4,540.00	=	\$ -		\$ -
Sanitary Service Line Installation, complete		EA	\$ 1,451.00	=	\$ -		\$ -
Sanitary Sewer Lift Station, complete		EA		=	\$ -		\$ -
				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>							
				=	\$ -		\$ -
LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)							
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
Section 3 Subtotal				=	\$ -		\$ -

** - Section 3 is not subject to defect warranty requirements

PROJECT INFORMATION

FM at Bent Grass Drainage Channel - Property 4

3/28/2022

CDR-21-14

Project Name

Date

PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS		=	\$ -	\$	-
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS		=	\$ -	\$	-
Total Construction Financial Assurance						\$	58,411.50
(Sum of all section subtotals plus as-builts and pond/BMP certification)							
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$	58,411.50
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)							
Total Defect Warranty Financial Assurance						\$	11,682.30
(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)

 Approved by Owner / Applicant

 Date

 Approved by El Paso County Engineer / ECM Administrator

 Date

2021 Financial Assurance Estimate Form
(with pre-plat construction)

Updated: 12/22/2020

PROJECT INFORMATION		
FM at Bent Grass Drainage Channel - Property 5	3/28/2022	CDR-21-14
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
SECTION 1 - GRADING AND EROSION CONTROL (Construction and Permanent BMPs)							
* Earthwork							
less than 1,000; \$5,300 min		CY	\$ 8.00	=	\$ -		\$ -
1,000-5,000; \$8,000 min		CY	\$ 6.00	=	\$ -		\$ -
5,001-20,000; \$30,000 min		CY	\$ 5.00	=	\$ -		\$ -
20,001-50,000; \$100,000 min		CY	\$ 3.50	=	\$ -		\$ -
50,001-200,000; \$175,000 min		CY	\$ 2.50	=	\$ -		\$ -
greater than 200,000; \$500,000 min		CY	\$ 2.00	=	\$ -		\$ -
* Permanent Seeding (inc. noxious weed mgmnt.)		AC	\$ 828.00	=	\$ -		\$ -
* Mulching		AC	\$ 777.00	=	\$ -		\$ -
* Permanent Erosion Control Blanket		SY	\$ 6.00	=	\$ -		\$ -
* Permanent Pond/BMP Construction		CY	\$ 21.00	=	\$ -		\$ -
* Permanent Pond/BMP (provide engineer's estimate)		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
Safety Fence		LF	\$ 3.00	=	\$ -		\$ -
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$ -		\$ -
Vehicle Tracking Control		EA	\$ 2,453.00	=	\$ -		\$ -
Silt Fence		LF	\$ 2.60	=	\$ -		\$ -
Temporary Seeding		AC	\$ 650.00	=	\$ -		\$ -
Temporary Mulch		AC	\$ 777.00	=	\$ -		\$ -
Erosion Bales		EA	\$ 26.00	=	\$ -		\$ -
Erosion Logs/Straw Waddle		LF	\$ 5.00	=	\$ -		\$ -
Rock Check Dams		EA	\$ 518.00	=	\$ -		\$ -
Inlet Protection		EA	\$ 173.00	=	\$ -		\$ -
Sediment Basin		EA	\$ 1,824.00	=	\$ -		\$ -
Concrete Washout Basin		EA	\$ 932.00	=	\$ -		\$ -
				=	\$ -		\$ -
[insert items not listed but part of construction plans]				=	\$ -		\$ -
				=	\$ -		\$ -
MAINTENANCE (35% of Construction BMPs)							
* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)							
				=	\$ -		\$ -
Section 1 Subtotal					=	\$ -	\$ -
SECTION 2 - PUBLIC IMPROVEMENTS *							
ROADWAY IMPROVEMENTS							
Construction Traffic Control		LS		=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)		Tons	\$ 29.00	=	\$ -		\$ -
Aggregate Base Course (135 lbs/cf)		CY	\$ 52.00	=	\$ -		\$ -
Asphalt Pavement (3" thick)		SY	\$ 14.50	=	\$ -		\$ -
Asphalt Pavement (4" thick)		SY	\$ 20.00	=	\$ -		\$ -
Asphalt Pavement (6" thick)		SY	\$ 30.00	=	\$ -		\$ -
Asphalt Pavement (147 lbs/cf) _" thick		Tons	\$ 91.00	=	\$ -		\$ -
Raised Median, Paved		SF	\$ 8.30	=	\$ -		\$ -
Regulatory Sign/Advisory Sign		EA	\$ 311.00	=	\$ -		\$ -
Guide/Street Name Sign		EA		=	\$ -		\$ -
Epoxy Pavement Marking		SF	\$ 14.00	=	\$ -		\$ -
Thermoplastic Pavement Marking		SF	\$ 24.00	=	\$ -		\$ -
Barricade - Type 3		EA	\$ 207.00	=	\$ -		\$ -
Delineator - Type I		EA	\$ 25.00	=	\$ -		\$ -
Curb and Gutter, Type A (6" Vertical)		LF	\$ 31.00	=	\$ -		\$ -
Curb and Gutter, Type B (Median)		LF	\$ 31.00	=	\$ -		\$ -
Curb and Gutter, Type C (Ramp)		LF	\$ 31.00	=	\$ -		\$ -
4" Sidewalk (common areas only)		SY	\$ 50.00	=	\$ -		\$ -
5" Sidewalk		SY	\$ 62.00	=	\$ -		\$ -
6" Sidewalk		SY	\$ 75.00	=	\$ -		\$ -
8" Sidewalk		SY	\$ 99.00	=	\$ -		\$ -
Pedestrian Ramp		EA	\$ 1,190.00	=	\$ -		\$ -
Cross Pan, local (8" thick, 6' wide to include return)		LF	\$ 63.00	=	\$ -		\$ -
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 95.00	=	\$ -		\$ -
Curb Chase		EA	\$ 1,532.00	=	\$ -		\$ -
Guardrail Type 3 (W-Beam)		LF	\$ 51.00	=	\$ -		\$ -
Guardrail Type 7 (Concrete)		LF	\$ 75.00	=	\$ -		\$ -
Guardrail End Anchorage		EA	\$ 2,172.00	=	\$ -		\$ -
Guardrail Impact Attenuator		EA	\$ 3,899.00	=	\$ -		\$ -
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 81.00	=	\$ -		\$ -
Sound Barrier Fence (panels, 6' high)		LF	\$ 83.00	=	\$ -		\$ -
Electrical Conduit, Size =		LF	\$ 17.00	=	\$ -		\$ -
Traffic Signal, complete intersection		EA	\$ 439,875	=	\$ -		\$ -

PROJECT INFORMATION

FM at Bent Grass Drainage Channel - Property 5 **3/28/2022** **CDR-21-14**
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	\$ 67.00	=	\$	-		\$ -
24" Reinforced Concrete Pipe		LF	\$ 81.00	=	\$	-		\$ -
30" Reinforced Concrete Pipe		LF	\$ 100.00	=	\$	-		\$ -
36" Reinforced Concrete Pipe		LF	\$ 124.00	=	\$	-		\$ -
42" Reinforced Concrete Pipe		LF	\$ 166.00	=	\$	-		\$ -
48" Reinforced Concrete Pipe		LF	\$ 202.00	=	\$	-		\$ -
54" Reinforced Concrete Pipe		LF	\$ 254.00	=	\$	-		\$ -
60" Reinforced Concrete Pipe		LF	\$ 298.00	=	\$	-		\$ -
66" Reinforced Concrete Pipe		LF	\$ 344.00	=	\$	-		\$ -
72" Reinforced Concrete Pipe		LF	\$ 393.00	=	\$	-		\$ -
18" Corrugated Steel Pipe		LF	\$ 87.00	=	\$	-		\$ -
24" Corrugated Steel Pipe		LF	\$ 99.00	=	\$	-		\$ -
30" Corrugated Steel Pipe		LF	\$ 126.00	=	\$	-		\$ -
36" Corrugated Steel Pipe		LF	\$ 152.00	=	\$	-		\$ -
42" Corrugated Steel Pipe		LF	\$ 174.00	=	\$	-		\$ -
48" Corrugated Steel Pipe		LF	\$ 184.00	=	\$	-		\$ -
54" Corrugated Steel Pipe		LF	\$ 269.00	=	\$	-		\$ -
60" Corrugated Steel Pipe		LF	\$ 290.00	=	\$	-		\$ -
66" Corrugated Steel Pipe		LF	\$ 352.00	=	\$	-		\$ -
72" Corrugated Steel Pipe		LF	\$ 414.00	=	\$	-		\$ -
78" Corrugated Steel Pipe		LF	\$ 476.00	=	\$	-		\$ -
84" Corrugated Steel Pipe		LF	\$ 569.00	=	\$	-		\$ -
Flared End Section (FES) RCP Size = <i>(unit cost = 6x pipe unit cost)</i>		EA		=	\$	-		\$ -
Flared End Section (FES) CSP Size = <i>(unit cost = 6x 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	\$ 5,736.00	=	\$	-		\$ -
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 7,440.00	=	\$	-		\$ -
Curb Inlet (Type R) L =5', 10' ≤ Depth < 15'		EA	\$ 8,637.00	=	\$	-		\$ -
Curb Inlet (Type R) L =10', Depth < 5'		EA	\$ 7,894.00	=	\$	-		\$ -
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'		EA	\$ 8,136.00	=	\$	-		\$ -
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'		EA	\$ 10,185.00	=	\$	-		\$ -
Curb Inlet (Type R) L =15', Depth < 5'		EA	\$ 10,265.00	=	\$	-		\$ -
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'		EA	\$ 11,005.00	=	\$	-		\$ -
Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'		EA	\$ 12,034.00	=	\$	-		\$ -
Curb Inlet (Type R) L =20', Depth < 5'		EA	\$ 10,940.00	=	\$	-		\$ -
Curb Inlet (Type R) L =20', 5' ≤ Depth < 10'		EA	\$ 12,075.00	=	\$	-		\$ -
Grated Inlet (Type C), Depth < 5'		EA	\$ 4,802.00	=	\$	-		\$ -
Grated Inlet (Type D), Depth < 5'		EA	\$ 5,932.00	=	\$	-		\$ -
Storm Sewer Manhole, Box Base		EA	\$ 12,034.00	=	\$	-		\$ -
Storm Sewer Manhole, Slab Base		EA	\$ 6,619.00	=	\$	-		\$ -
Geotextile (Erosion Control)		SY	\$ 6.20	=	\$	-		\$ -
Rip Rap, d50 size from 6" to 24"		Tons	\$ 83.00	=	\$	-		\$ -
Rip Rap, Grouted		Tons	\$ 98.00	=	\$	-		\$ -
Drainage Channel Construction, Size (38 x 5)	590	LF	\$ 278.15	=	\$	164,108.50		\$ 164,108.50
Drainage Channel Lining, Concrete		CY	\$ 590.00	=	\$	-		\$ -
Drainage Channel Lining, Rip Rap		CY	\$ 116.00	=	\$	-		\$ -
Drainage Channel Lining, Grass		AC	\$ 1,520.00	=	\$	-		\$ -
Drainage Channel Lining, Other Stabilization				=	\$	-		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$	-		\$ -
Section 2 Subtotal				=	\$	164,108.50		\$ 164,108.50

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

PROJECT INFORMATION		
FM at Bent Grass Drainage Channel - Property 5	3/28/2022	CDR-21-14
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**						
ROADWAY IMPROVEMENTS						
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)						
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
WATER SYSTEM IMPROVEMENTS						
Water Main Pipe (PVC), Size 8"		LF	\$ 66.00	= \$	-	\$ -
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 78.00	= \$	-	\$ -
Gate Valves, 8"		EA	\$ 1,923.00	= \$	-	\$ -
Fire Hydrant Assembly, w/ all valves		EA	\$ 6,828.00	= \$	-	\$ -
Water Service Line Installation, inc. tap and valves		EA	\$ 1,370.00	= \$	-	\$ -
Fire Cistern Installation, complete		EA		= \$	-	\$ -
[insert items not listed but part of construction plans]				= \$	-	\$ -
SANITARY SEWER IMPROVEMENTS						
Sewer Main Pipe (PVC), Size 8"		LF	\$ 66.00	= \$	-	\$ -
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$ 4,540.00	= \$	-	\$ -
Sanitary Service Line Installation, complete		EA	\$ 1,451.00	= \$	-	\$ -
Sanitary Sewer Lift Station, complete		EA		= \$	-	\$ -
[insert items not listed but part of construction plans]				= \$	-	\$ -
LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)						
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
		EA		= \$	-	\$ -
Section 3 Subtotal				= \$	-	\$ -

** - Section 3 is not subject to defect warranty requirements

Provide water line lowering and any other utility costs

Provide LOMR costs on this line for each segment

PROJECT INFORMATION						
FM at Bent Grass Drainage Channel - Property 5			3/28/2022		CDR-21-14	
Project Name			Date		PCD File No.	
Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction) % Complete Remaining
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS		= \$	-	\$ -
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS		= \$	-	\$ -
Total Construction Financial Assurance						\$ 164,108.50
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$ 164,108.50
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance						\$ 32,821.70
(20% of all items identified as (*). To be collateralized at time of preliminary acceptance)						

Provide as-built costs for each segment

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)

Approved by Owner / Applicant _____ Date _____

Approved by El Paso County Engineer / ECM Administrator _____ Date _____