

2023 Financial Assurance Estimate Form (with pre-plate construction)

PCD File # VR2321

Updated: 12/8/2022

PROJECT INFORMATION		
OWL PLACE	8/17/2023	
Project Name	Date	PCD File No.

Description	Quantity	Units	Unit Cost	(with Pre-Plate 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	6,250	CY	\$ 5.00		\$ 31,250.00
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 Erosion Control Blanket		SY	\$ 8.00		\$ -
Permanent Seeding (inc. noxious weed mgmnt.) & Mulching		AC	\$ 875.00		\$ -
Permanent Pond/BMP* (provide engineer's estimate)		EA	\$ 200,000.00		\$ -
Concrete Washout Basin	1	EA	\$ 1,089.00	\$ 1,089.00	\$ 1,089.00
Inlet Protection	5	EA	\$ 202.00	\$ 1,010.00	\$ 1,010.00
Rock Check Dam		EA	\$ 605.00	\$ -	\$ -
Safety Fence		LF	\$ 3.00	\$ -	\$ -
Sediment Basin	4	EA	\$ 2,132.00	\$ 8,528.00	\$ 8,528.00
Sediment Trap		EA	\$ 500.00	\$ -	\$ -
Silt Fence		LF	\$ 3.00	\$ -	\$ -
Slope Drain		LF	\$ 40.00	\$ -	\$ -
Straw Bale		EA	\$ 31.00	\$ -	\$ -
Straw Wattle/Rock Sock		LF	\$ 7.00	\$ -	\$ -
Surface Roughening		AC	\$ 250.00	\$ -	\$ -
Temporary Erosion Control Blanket		SY	\$ 3.00	\$ -	\$ -
Temporary Seeding and Mulching		AC	\$ 1,666.00	\$ -	\$ -
Vehicle Tracking Control	1	EA	\$ 2,867.00	\$ 2,867.00	\$ 2,867.00
[insert items not listed but part of construction plans]				\$ -	\$ -
MAINTENANCE (35% of Construction BMPs)				\$ 4,341.75	\$ 4,341.75
Section 1 Subtotal				\$ 49,085.75	\$ 49,085.75

Explain if this is the improvements at the pond for connection to box culvert and stiling basins etc.

Add quantity

SECTION 2 - PUBLIC IMPROVEMENTS *					
ROADWAY IMPROVEMENTS					
Construction Traffic Control	1.0	LS	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00
Aggregate Base Course (135 lbs/cf)		Tons	\$ 34.00	\$ -	\$ -
Aggregate Base Course (135 lbs/cf)		CY	\$ 61.00	\$ -	\$ -
Asphalt Pavement (3" thick)		SY	\$ 17.00	\$ -	\$ -
Asphalt Pavement (4" thick)		SY	\$ 23.00	\$ -	\$ -
Asphalt Pavement (6" thick)	6,000.0	SY	\$ 35.00	\$ 210,000.00	\$ 210,000.00
Asphalt Pavement (147 lbs/cf)		Tons	\$ 106.00	\$ -	\$ -
Raised Median, Paved		SF	\$ 10.00	\$ -	\$ -
Regulatory Sign/Advisory Sign	8.0	EA	\$ 364.00	\$ 2,912.00	\$ 2,912.00
Guide/Street Name Sign	2.0	EA		\$ -	\$ -
Epoxy Pavement Marking		SF	\$ 16.00	\$ -	\$ -
Thermoplastic Pavement Marking		SF	\$ 28.00	\$ -	\$ -
Barricade - Type 3		EA	\$ 241.00	\$ -	\$ -
Delineator - Type I		EA	\$ 29.00	\$ -	\$ -
Curb and Gutter, Type A (6" Vertical)	2,709.0	LF	\$ 35.00	\$ -	\$ 94,815.00
Curb and Gutter, Type B (Median)		LF	\$ 35.00	\$ -	\$ -
Curb and Gutter, Type C (Ramp)		LF	\$ 35.00	\$ -	\$ -
4" Sidewalk (common areas only)		SY	\$ 58.00	\$ -	\$ -
5" Sidewalk		SY	\$ 72.00	\$ -	\$ -
6" Sidewalk	1,720.0	SY	\$ 87.00	\$ 149,640.00	\$ 149,640.00
8" Sidewalk		SY	\$ 116.00	\$ -	\$ -
Pedestrian Ramp	13.0	EA	\$ 1,390.00	\$ 18,070.00	\$ 18,070.00
Cross Pan, local (8" thick, 6' wide to include return)		LF	\$ 73.00	\$ 8,541.00	\$ 8,541.00
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 111.00	\$ -	\$ -
Curb Opening with Drainage Chase		EA	\$ 1,790.00	\$ -	\$ -
Guardrail Type 3 (W-Beam)		EA	\$ 60.00	\$ -	\$ -
Guardrail Type 7 (Concrete)		EA	\$ 87.00	\$ -	\$ -
Guardrail End Anchorage		EA	\$ 2,538.00	\$ -	\$ -
Guardrail Impact Attenuator		EA	\$ 4,556.00	\$ -	\$ -
Sound Barrier Fence (CMU block, 6' high)		EA	\$ 95.00	\$ -	\$ -
Sound Barrier Fence (panels, 6' high)		LF	\$ 97.00	\$ -	\$ -
Electrical Conduit, Size = 4		LF	\$ 20.00	\$ -	\$ -
Traffic Signal, (provide engineer's estimate)		EA	\$ 440,000.00	\$ -	\$ -

Include stripping for roundabout, splitter etc.

See comment on CDs for guardrail along Meridian

PROJECT INFORMATION

OWL PLACE

8/17/2023

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 (10x6)	1,100	LF		=	\$ -		\$ -
18" Reinforced Concrete Pipe	64	LF	\$ 76.00	=	\$ 4,864.00		\$ 4,864.00
24" Reinforced Concrete Pipe	496	LF	\$ 91.00	=	\$ 45,136.00		\$ 45,136.00
30" Reinforced Concrete Pipe	156	LF	\$ 114.00	=	\$ 17,784.00		\$ 17,784.00
36" Reinforced Concrete Pipe		LF	\$ 140.00	=	\$ -		\$ -
42" Reinforced Concrete Pipe		LF	\$ 187.00	=	\$ -		\$ -
48" Reinforced Concrete Pipe		LF	\$ 228.00	=	\$ -		\$ -
54" Reinforced Concrete Pipe		LF	\$ 297.00	=	\$ -		\$ -
60" Reinforced Concrete Pipe		LF	\$ 348.00	=	\$ -		\$ -
66" Reinforced Concrete Pipe		LF	\$ 402.00	=	\$ -		\$ -
72" Reinforced Concrete Pipe		LF	\$ 460.00	=	\$ -		\$ -
18" Corrugated Steel Pipe				=	\$ -		\$ -
24" Corrugated Steel Pipe				=	\$ -		\$ -
30" Corrugated Steel Pipe				=	\$ -		\$ -
36" Corrugated Steel Pipe				=	\$ -		\$ -
42" Corrugated Steel Pipe				=	\$ -		\$ -
48" Corrugated Steel Pipe				=	\$ -		\$ -
54" Corrugated Steel Pipe				=	\$ -		\$ -
60" Corrugated Steel Pipe				=	\$ -		\$ -
66" Corrugated Steel Pipe				=	\$ -		\$ -
72" Corrugated Steel Pipe				=	\$ -		\$ -
78" Corrugated Steel Pipe				=	\$ -		\$ -
84" Corrugated Steel Pipe				=	\$ -		\$ -
Flared End Section (FES) RCP Size = <small>(unit cost = 6x pipe unit cost)</small>		EA		=	\$ -		\$ -
Flared End Section (FES) RCP Size = <small>(unit cost = 6x pipe unit cost)</small>		EA		=	\$ -		\$ -
End Treatment- Headwall		EA	\$ 10,000.00	=	\$ -		\$ -
End Treatment- Wingwall		EA	\$ 8,000.00	=	\$ -		\$ -
End Treatment - Cutoff Wall		EA	\$ 2,500.00	=	\$ -		\$ -
Curb Inlet (Type R) L=5', Depth < 5'		EA	\$ 6,703.00	=	\$ -		\$ -
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 8,715.00	=	\$ -		\$ -
Curb Inlet (Type R) L =5', 10' ≤ Depth < 15'		EA	\$ 10,092.00	=	\$ -		\$ -
Curb Inlet (Type R) L =10', Depth < 5'		EA	\$ 9,224.00	=	\$ -		\$ -
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10'	2	EA	\$ 9,507.00	=	\$ 19,014.00		\$ 19,014.00
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15'		EA	\$ 11,901.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', Depth < 5'		EA	\$ 11,995.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'		EA	\$ 12,858.00	=	\$ -		\$ -
Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'		EA	\$ 14,061.00	=	\$ -		\$ -
Curb Inlet (Type R) L =20', Depth < 5'		EA	\$ 12,783.00	=	\$ -		\$ -
Curb Inlet (Type R) L =20', 5' ≤ Depth < 10'		EA	\$ 14,109.00	=	\$ -		\$ -
Grated Inlet (Type C), Depth < 5'		EA	\$ 5,611.00	=	\$ -		\$ -
Grated Inlet (Type D), Depth < 5'		EA	\$ 6,931.00	=	\$ -		\$ -
Storm Sewer Manhole, Box Base	3	EA	\$ 14,061.00	=	\$ 42,183.00		\$ 42,183.00
Storm Sewer Manhole, Slab Base	4	EA	\$ 7,734.00	=	\$ 30,936.00		\$ 30,936.00
Geotextile (Erosion Control)		SY	\$ 8.00	=	\$ -		\$ -
Rip Rap, d50 size from 6" to 24"		Tons	\$ 97.00	=	\$ -		\$ -
Rip Rap, Grouted	200.0	Tons	\$ 115.00	=	\$ 23,000.00		\$ 23,000.00
Drainage Channel Construction, Size (W x H)		LF	\$ -	=	\$ -		\$ -
Drainage Channel Lining, Concrete		CY	\$ 689.00	=	\$ -		\$ -
Drainage Channel Lining, Rip Rap		CY	\$ 135.00	=	\$ -		\$ -
Drainage Channel Lining, Grass		AC	\$ 1,776.00	=	\$ -		\$ -
Drainage Channel Lining, Other Stabilization				=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
Section 2 Subtotal				=	\$ 691,895.00		\$ 691,895.00

Add all missing stormwater infrastructure located Stilling Basins etc. Update missing costs. All of CD Sheet C15 appears to be missing

Correct line cost and total

PROJECT INFORMATION		
OWL PLACE	8/17/2023	PCD File No.
Project Name	Date	

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)**						
DRY UTILITIES						
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)						
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
				= \$	-	\$ -
WATER SYSTEM IMPROVEMENTS						
Water Main Pipe (PVC), Size 6"	5	LF		= \$	-	\$ -
Water Main Pipe (PVC), Size 8"	1,533	LF	\$ 78.00	= \$	119,574.00	\$ 119,574.00
Gate Valves, 8"	4	EA	\$ 2,247.00	= \$	8,988.00	\$ 8,988.00
Fire Hydrant Assembly, w/ all valves	1	EA	\$ 7,978.00	= \$	7,978.00	\$ 7,978.00
Water Service Line Installation, inc. tap and valves		EA	\$ 1,601.00	= \$	-	\$ -
Fire Cistern Installation, complete		EA		= \$	-	\$ -
				= \$	-	\$ -
SANITARY SEWER IMPROVEMENTS						
Sewer Main Pipe (PVC), Size 8"		LF	\$ 78.00	=		-
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$ 5,305.00	=		-
Sanitary Service Line Installation, complete		EA	\$ 1,696.00	=		-
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				= \$	136,540.00	\$ 136,540.00

Add missing waste water infrastructure

Include landscaping improvements

PROJECT INFORMATION

OWL PLACE	8/17/2023	
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					\$	877,520.75
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)					\$	877,520.75
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance					\$	144,629.00
(20% of all items identified as (*). To be collateralized at time of preliminary acceptance)						

Add cost for as builts.

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

Approved by El Paso County Engineer / ECM Administrator

Date

Date