

# 2024 Financial Assurance Estimate Form (with pre-plat construction)

Updated: 10/2023

PROJECT INFORMATION						
<b>OWL MARKETPLACE</b>	<b>4/16/2024</b>	<b>VR2321</b>				
<b>Project Name</b>	<b>Date</b>	<b>PCD File No.</b>				

Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
<b>SECTION 1 - GRADING AND EROSION CONTROL (Construction and Permanent BMPs)</b>						
Earthwork						
less than 1,000; \$5,300 min		CY	\$ 8.00	= \$ -		\$ -
1,000-5,000; \$8,000 min	4500.	CY	\$ 6.00	= \$ 27,000.00		\$ 27,000.00
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 Erosion Control Blanket		SY	\$ 9.00	= \$ -		\$ -
Permanent Seeding (inc. noxious weed mgmnt.) & Mulching	1.	AC	\$ 2,018.00	= \$ 2,018.00		\$ 2,018.00
Permanent Pond/BMP (provide engineer's estimate)	1.	EA	\$ 26,750.00	= \$ 26,750.00		\$ 26,750.00
Concrete Washout Basin	1.	EA	\$ 1,172.00	= \$ 1,172.00		\$ 1,172.00
Inlet Protection	3.	EA	\$ 217.00	= \$ 651.00		\$ 651.00
Rock Check Dam		EA	\$ 651.00	= \$ -		\$ -
Safety Fence		LF	\$ 3.00	= \$ -		\$ -
Sediment Basin	4.	EA	\$ 2,294.00	= \$ 9,176.00		\$ 9,176.00
Sediment Trap		EA	\$ 538.00	= \$ -		\$ -
Silt Fence	1568.	LF	\$ 3.00	= \$ 4,704.00		\$ 4,704.00
Slope Drain		LF	\$ 43.00	= \$ -		\$ -
Straw Bale		EA	\$ 33.00	= \$ -		\$ -
Straw Wattle/Rock Sock		LF	\$ 8.00	= \$ -		\$ -
Surface Roughening		AC	\$ 269.00	= \$ -		\$ -
Temporary Erosion Control Blanket		SY	\$ 3.00	= \$ -		\$ -
Temporary Seeding and Mulching	3.7	AC	\$ 1,793.00	= \$ 6,634.10		\$ 6,634.10
Vehicle Tracking Control	1.	EA	\$ 3,085.00	= \$ 3,085.00		\$ 3,085.00
[insert items not listed but part of construction plans]				= \$ -		\$ -
				= \$ -		\$ -
				= \$ -		\$ -
				= \$ 8,487.54		\$ 8,487.54
<b>MAINTENANCE (35% of Construction BMPs)</b>						\$ 8,487.54
<b>Section 1 Subtotal</b>				<b>= \$</b>	<b>89,677.64</b>	<b>\$ 89,677.64</b>
<b>SECTION 2 - PUBLIC IMPROVEMENTS *</b>						
<b>ROADWAY IMPROVEMENTS</b>						
Construction Traffic Control	1.	LS	\$ 10,000.00	= \$ 10,000.00		\$ 10,000.00
Aggregate Base Course (135 lbs/cf)		Tons	\$ 37.00	= \$ -		\$ -
Aggregate Base Course (135 lbs/cf)		CY	\$ 66.00	= \$ -		\$ -
Asphalt Pavement (3" thick)		SY	\$ 18.00	= \$ -		\$ -
Asphalt Pavement (4" thick)		SY	\$ 25.00	= \$ -		\$ -
Asphalt Pavement (6" thick)	5968.	SY	\$ 38.00	= \$ 226,784.00		\$ 226,784.00
Asphalt Pavement (147 lbs/cf) ___" thick		Tons	\$ 114.00	= \$ -		\$ -
Raised Median, Paved	200.	SF	\$ 11.00	= \$ 2,200.00		\$ 2,200.00
Regulatory Sign/Advisory Sign	8.	EA	\$ 392.00	= \$ 3,136.00		\$ 3,136.00
Guide/Street Name Sign	3.	EA		= \$ -		\$ -
Epoxy Pavement Marking	789.	SF	\$ 17.00	= \$ 13,413.00		\$ 13,413.00
Thermoplastic Pavement Marking	247.	SF	\$ 30.00	= \$ 7,410.00		\$ 7,410.00
Barricade - Type 3		EA	\$ 259.00	= \$ -		\$ -
Delineator - Type I		EA	\$ 31.00	= \$ -		\$ -
Curb and Gutter, Type A (6" Vertical)	2709.	LF	\$ 38.00	= \$ 102,942.00		\$ 102,942.00
Curb and Gutter, Type B (Median)		LF	\$ 38.00	= \$ -		\$ -
Curb and Gutter, Type C (Ramp)		LF	\$ 38.00	= \$ -		\$ -
4" Sidewalk (common areas only)		SY	\$ 62.00	= \$ -		\$ -
5" Sidewalk	1780.	SY	\$ 77.00	= \$ 137,060.00		\$ 137,060.00
6" Sidewalk		SY	\$ 94.00	= \$ -		\$ -
8" Sidewalk		SY	\$ 125.00	= \$ -		\$ -
Pedestrian Ramp	13.	EA	\$ 1,496.00	= \$ 19,448.00		\$ 19,448.00
Cross Pan, local (8" thick, 6' wide to include return)	80.	LF	\$ 79.00	= \$ 6,320.00		\$ 6,320.00
Cross Pan, collector (9" thick, 8' wide to include return)		LF	\$ 119.00	= \$ -		\$ -
Curb Opening with Drainage Chase		EA	\$ 1,926.00	= \$ -		\$ -
Guardrail Type 3 (W-Beam)	75.	LF	\$ 65.00	= \$ 4,875.00		\$ 4,875.00
Guardrail Type 7 (Concrete)		LF	\$ 94.00	= \$ -		\$ -
Guardrail End Anchorage	1.	EA	\$ 2,731.00	= \$ 2,731.00		\$ 2,731.00
Guardrail Impact Attenuator		EA	\$ 4,902.00	= \$ -		\$ -
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 102.00	= \$ -		\$ -
Sound Barrier Fence (panels, 6' high)		LF	\$ 104.00	= \$ -		\$ -
Electrical Conduit, Size =		LF	\$ 22.00	= \$ -		\$ -
Traffic Signal, (provide engineer's estimate)		EA		= \$ -		\$ -

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						% Complete	Remaining
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
<b>STORM DRAIN IMPROVEMENTS</b>				=	\$ -		\$ -
Concrete Box Culvert (M Standard), Size ( W x H )	1020.	LF	\$ 800.00	=	\$ 816,000.00		\$ 816,000.00
18" Reinforced Concrete Pipe		LF	\$ 82.00	=	\$ -		\$ -
24" Reinforced Concrete Pipe		LF	\$ 98.00	=	\$ -		\$ -
30" Reinforced Concrete Pipe		LF	\$ 123.00	=	\$ -		\$ -
36" Reinforced Concrete Pipe		LF	\$ 151.00	=	\$ -		\$ -
42" Reinforced Concrete Pipe		LF	\$ 201.00	=	\$ -		\$ -
48" Reinforced Concrete Pipe		LF	\$ 245.00	=	\$ -		\$ -
54" Reinforced Concrete Pipe		LF	\$ 320.00	=	\$ -		\$ -
60" Reinforced Concrete Pipe		LF	\$ 374.00	=	\$ -		\$ -
66" Reinforced Concrete Pipe		LF	\$ 433.00	=	\$ -		\$ -
72" Reinforced Concrete Pipe		LF	\$ 495.00	=	\$ -		\$ -
18" Corrugated Steel Pipe		LF	\$ 105.00	=	\$ -		\$ -
24" Corrugated Steel Pipe		LF	\$ 121.00	=	\$ -		\$ -
30" Corrugated Steel Pipe		LF	\$ 154.00	=	\$ -		\$ -
36" Corrugated Steel Pipe		LF	\$ 184.00	=	\$ -		\$ -
42" Corrugated Steel Pipe		LF	\$ 212.00	=	\$ -		\$ -
48" Corrugated Steel Pipe		LF	\$ 223.00	=	\$ -		\$ -
54" Corrugated Steel Pipe		LF	\$ 327.00	=	\$ -		\$ -
60" Corrugated Steel Pipe		LF	\$ 353.00	=	\$ -		\$ -
66" Corrugated Steel Pipe		LF	\$ 427.00	=	\$ -		\$ -
72" Corrugated Steel Pipe		LF	\$ 502.00	=	\$ -		\$ -
78" Corrugated Steel Pipe		LF	\$ 578.00	=	\$ -		\$ -
84" Corrugated Steel Pipe		LF	\$ 691.00	=	\$ -		\$ -
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	\$ 7,212.00	=	\$ -		\$ -
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10'		EA	\$ 9,377.00	=	\$ -		\$ -
Curb Inlet (Type R) L=5', 10' ≤ Depth < 15'		EA	\$ 10,859.00	=	\$ -		\$ -
Curb Inlet (Type R) L=10', Depth < 5'		EA	\$ 9,925.00	=	\$ -		\$ -
Curb Inlet (Type R) L=10', 5' ≤ Depth < 10'		EA	\$ 10,230.00	=	\$ -		\$ -
Curb Inlet (Type R) L=10', 10' ≤ Depth < 15'		EA	\$ 12,805.00	=	\$ -		\$ -
Curb Inlet (Type R) L=15', Depth < 5'		EA	\$ 12,907.00	=	\$ -		\$ -
Curb Inlet (Type R) L=15', 5' ≤ Depth < 10'		EA	\$ 13,835.00	=	\$ -		\$ -
Curb Inlet (Type R) L=15', 10' ≤ Depth < 15'		EA	\$ 15,130.00	=	\$ -		\$ -
Curb Inlet (Type R) L=20', Depth < 5'		EA	\$ 13,755.00	=	\$ -		\$ -
Curb Inlet (Type R) L=20', 5' ≤ Depth < 10'		EA	\$ 15,181.00	=	\$ -		\$ -
Grated Inlet (Type C), Depth < 5'		EA	\$ 6,037.00	=	\$ -		\$ -
Grated Inlet (Type D), Depth < 5'		EA	\$ 7,458.00	=	\$ -		\$ -
Storm Sewer Manhole, Box Base		EA	\$ 15,130.00	=	\$ -		\$ -
Storm Sewer Manhole, Slab Base		EA	\$ 8,322.00	=	\$ -		\$ -
Geotextile (Erosion Control)		SY	\$ 9.00	=	\$ -		\$ -
Rip Rap, d50 size from 6" to 24"		Tons	\$ 104.00	=	\$ -		\$ -
Rip Rap, Grouted	202.5	Tons	\$ 124.00	=	\$ 25,110.00		\$ 25,110.00
Drainage Channel Construction, Size ( W x H )		LF		=	\$ -		\$ -
Drainage Channel Lining, Concrete		CY	\$ 741.00	=	\$ -		\$ -
Drainage Channel Lining, Rip Rap		CY	\$ 145.00	=	\$ -		\$ -
Drainage Channel Lining, Grass		AC	\$ 1,911.00	=	\$ -		\$ -
Drainage Channel Lining, Other Stabilization				=	\$ -		\$ -
10'X6' BEND WITH ACCESS	3.	EA	\$ 12,500.00	=	\$ 37,500.00		\$ 37,500.00
10'X6' BEND	2.	EA	\$ 8,500.00	=	\$ 17,000.00		\$ 17,000.00
HEADWALL WITH HANDRAIL	1.	LS	\$ 10,000.00	=	\$ 10,000.00		\$ 10,000.00
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
<b>Section 2 Subtotal</b>					<b>\$ 1,441,929.00</b>		<b>\$ 1,441,929.00</b>

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

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Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
<b>SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT Maintained by EPC)**</b>							
<b>ROADWAY IMPROVEMENTS</b>							
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
				=	\$ -		\$ -
<b>STORM DRAIN IMPROVEMENTS</b> (Exception: Permanent Pond/BMP shall be itemized under Section 1)							
18" Reinforced Concrete Pipe	152.	LF	\$ 82.00	=	\$ 12,464.00		\$ 12,464.00
24" Reinforced Concrete Pipe	417.	LF	\$ 98.00	=	\$ 40,866.00		\$ 40,866.00
30" Reinforced Concrete Pipe	126.	LF	\$ 123.00	=	\$ 15,498.00		\$ 15,498.00
30" Flared End Section	1.	EA	\$ 1,200.00	=	\$ 1,200.00		\$ 1,200.00
10' Curb Inlet (Type R)	2.	EA	\$ 9,925.00	=	\$ 19,850.00		\$ 19,850.00
Storm Sewer Manhole (Slab Base)	4.	EA	\$ 8,332.00	=	\$ 33,328.00		\$ 33,328.00
<b>WATER SYSTEM IMPROVEMENTS</b>							
Water Main Pipe (PVC), Size 8"	60.	LF	\$ 84.00	=	\$ 5,040.00		\$ 5,040.00
Water Main Pipe (Ductile Iron), Size 8"	916.	LF	\$ 98.00	=	\$ 89,768.00		\$ 89,768.00
Gate Valves, 8"	8.	EA	\$ 2,418.00	=	\$ 19,344.00		\$ 19,344.00
Fire Hydrant Assembly, w/ all valves	2.	EA	\$ 8,584.00	=	\$ 17,168.00		\$ 17,168.00
Water Service Line Installation, inc. tap and valves	4.	EA	\$ 1,723.00	=	\$ 6,892.00		\$ 6,892.00
Fire Cistem Installation, complete		EA		=	\$ -		\$ -
PRV and Vault	1.	EA	\$ 12,500.00	=	\$ 12,500.00		\$ 12,500.00
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
<b>SANITARY SEWER IMPROVEMENTS</b>							
Sewer Main Pipe (PVC), Size 8"	970.	LF	\$ 84.00	=	\$ 81,480.00		\$ 81,480.00
Sanitary Sewer Manhole, Depth < 15 feet	5.	EA	\$ 5,708.00	=	\$ 28,540.00		\$ 28,540.00
Sanitary Service Line Installation, complete	1.	EA	\$ 1,825.00	=	\$ 1,825.00		\$ 1,825.00
Sanitary Sewer Lift Station, complete		EA		=	\$ -		\$ -
<i>[insert items not listed but part of construction plans]</i>				=	\$ -		\$ -
<b>LANDSCAPING IMPROVEMENTS</b> (For subdivision specific condition of approval, or PUD)							
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
		EA		=	\$ -		\$ -
<b>Section 3 Subtotal</b>					<b>=</b>	<b>\$ 385,763.00</b>	<b>\$ 385,763.00</b>

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

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Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)		LS	\$ 1.00	= \$ 10,000.00		\$ 10,000.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)		LS		= \$ -		\$ -
<b>Total Construction Financial Assurance</b>						<b>\$ 1,927,369.64</b>
(Sum of all section subtotals plus as-builts and pond/BMP certification)						
<b>Total Remaining Construction Financial Assurance (with Pre-Plat Construction)</b>						<b>\$ 1,927,369.64</b>
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
<b>Total Defect Warranty Financial Assurance</b>						<b>\$ 299,539.40</b>
(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