

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

Updated: 12/8/2022

PROJECT INFORMATION		
JDA Constitution Ave Self Storage	6/15/2023	
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								
5,001-20,000; \$30,000 min (FILL)	8,718	CY	\$ 5.00	=	\$ 43,591.50		\$ 43,591.50	
Permanent Erosion Control Blanket	425.3	SY	\$ 8.00	=	\$ 3,402.40		\$ 3,402.40	
Permanent Seeding (inc. noxious weed mgmnt.) & Mulching	1.0	AC	\$ 1,875.00	=	\$ 1,782.19		\$ 1,782.19	
Permanent Pond/BMP (provide engineer's estimate)	1	EA	#####	=	\$ 156,907.30		\$ 156,907.30	
Concrete Washout Basin	1	EA	\$ 1,089.00	=	\$ 1,089.00		\$ 1,089.00	
Inlet Protection	4	EA	\$ 202.00	=	\$ 808.00		\$ 808.00	
Rock Check Dam	10	EA	\$ 605.00	=	\$ 6,050.00		\$ 6,050.00	
Safety Fence	1,023	LF	\$ 3.00	=	\$ 3,069.90		\$ 3,069.90	
Temporary Sediment Basin	1	EA	\$ 2,132.00	=	\$ 2,132.00		\$ 2,132.00	
Sediment Trap	2	EA	\$ 500.00	=	\$ 1,000.00		\$ 1,000.00	
Silt Fence	810	LF	\$ 3.00	=	\$ 2,428.80		\$ 2,428.80	
Straw Wattle/Rock Sock	36	LF	\$ 7.00	=	\$ 252.00		\$ 252.00	
Surface Roughening	2.1	AC	\$ 250.00	=	\$ 525.00		\$ 525.00	
Temporary Erosion Control Blanket	425.3	SY	\$ 3.00	=	\$ 1,275.90		\$ 1,275.90	
Temporary Seeding and Mulching	1.0	AC	\$ 1,666.00	=	\$ 1,583.53		\$ 1,583.53	
Vehicle Tracking Control	1	EA	\$ 2,867.00	=	\$ 2,867.00		\$ 2,867.00	
MAINTENANCE (35% of Construction BMPs)					=	\$ 7,697.25		\$ 7,697.25
Section 1 Subtotal					=	\$ 236,461.77		\$ 236,461.77

* - Subject to defect warranty financial assurance. A minimum of 20% shall be retained until

SECTION 2 - PUBLIC IMPROVEMENTS *

ROADWAY IMPROVEMENTS

Construction Traffic Control		LS		=	\$ -		\$ -
Asphalt Pavement (3" thick)		SY	\$ 17.00	=	\$ -		\$ -
Asphalt Pavement (4" thick)		SY	\$ 23.00	=	\$ -		\$ -
Asphalt Pavement (6" thick)		SY	\$ 35.00	=	\$ -		\$ -
Asphalt Pavement (147 lbs/cf) ___" thick		Tons	\$ 106.00	=	\$ -		\$ -
Raised Median, Paved		SF	\$ 10.00	=	\$ -		\$ -
Regulatory Sign/Advisory Sign		EA	\$ 364.00	=	\$ -		\$ -
Guide/Street Name Sign		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)		LF	\$ 35.00	=	\$ -		\$ -
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		SY	\$ 87.00	=	\$ -		\$ -
8" Sidewalk		SY	\$ 116.00	=	\$ -		\$ -
Pedestrian Ramp		EA	\$ 1,390.00	=	\$ -		\$ -
Cross Pan, local (8" thick, 6' wide to include return)		LF	\$ 73.00	=	\$ -		\$ -
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)		LF	\$ 60.00	=	\$ -		\$ -
Guardrail Type 7 (Concrete)		LF	\$ 87.00	=	\$ -		\$ -
Guardrail End Anchorage		EA	\$ 2,538.00	=	\$ -		\$ -
Guardrail Impact Attenuator		EA	\$ 4,556.00	=	\$ -		\$ -
Sound Barrier Fence (CMU block, 6' high)		LF	\$ 95.00	=	\$ -		\$ -
Sound Barrier Fence (panels, 6' high)		LF	\$ 87.00	=	\$ -		\$ -
Electrical Conduit, Size =		LF		=	\$ -		\$ -
Traffic Signal, (provide engineer's estimate)		EA		=	\$ -		\$ -

[insert items not listed but part of construction plans]

Remove the following quantities from section 3 and place them under Section 2:
Sidewalk, pedestrian ramp, and cross pan

PROJECT INFORMATION							
JDA Constitution Ave Self Storage		6/15/2023					
Project Name		Date		PCD File No.			
Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)		
					% Complete	Remaining	
Aggregate Base Course (135 lbs/cf)	738.9	CY	\$ 61.00	\$ 44,873.39			44,663.59
Asphalt Pavement (6" thick)	4,307.0	SY	\$ 35.00	\$ 150,745.00			150,745.00
Regulatory Sign/Advisory Sign	3	EA	\$ 364.00	\$ 1,092.00			1,092.00
Guide/Street Name Sign	3	EA	\$ 364.00	\$ 1,092.00			1,092.00
Thermoplastic Pavement Marking	303.7	SF	\$ 28.00	\$ 8,503.32			8,503.32
Curb and Gutter (8" Vertical)	1,746.0	LF	\$ 35.00	\$ 61,110.00			61,110.00
5" Sidewalk	928.0	SY	\$ 72.00	\$ 66,816.00			66,816.00
Pedestrian Ramp	3	EA	\$ 1,390.00	\$ 4,170.00			4,170.00
Curb Opening with Drainage Chase	1	EA	\$ 1,790.00	\$ 1,790.00			1,790.00
Cross Pan, 4' wide	126	LF	\$ 73.00	\$ 9,198.00			9,198.00
STORM DRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 2)							
4" HDPE Pipe	35	LF	\$ 18.00	\$ 633.60			633.60
12" HDPE Pipe	32	LF	\$ 51.85	\$ 1,675.79			1,675.79
18" HDPE Pipe	125	LF	\$ 64.60	\$ 8,075.25			8,075.25
24" HDPE Pipe	648	LF	\$ 77.35	\$ 50,132.40			50,132.40
Curb Inlet (Type R) L=10', Depth < 5'	1	EA	\$ 9,224.00	\$ 9,224.00			9,224.00
Curb Inlet (Type R) L=6', Depth < 5'	2	EA	\$ 6,703.00	\$ 13,406.00			13,406.00
Grated Inlet (Type C), Depth < 5'	2	EA	\$ 5,611.00	\$ 11,222.00			11,222.00
Storm Sewer Manhole, Box Base	1	EA	\$ 14,061.00	\$ 14,061.00			14,061.00
Storm Sewer Manhole, Slab Base	2	EA	\$ 7,734.00	\$ 15,468.00			15,468.00
End Treatment- Headwall	3	EA	\$ 1,048.00	\$ 3,144.00			3,144.00
End Treatment- Wingwall	2	EA	\$ 55.47	\$ 110.94			110.94
WATER SYSTEM IMPROVEMENTS							
Water Service Line Installation, inc. tap and valves	2	EA	\$ 1,601.00	\$ 3,202.00			3,202.00
SANITARY SEWER IMPROVEMENTS							
Sanitary Service Line Installation, complete	1	EA	\$ 1,696.00	\$ 1,696.00			1,696.00
LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PUD)							
		EA		\$ -			\$ -
		EA		\$ -			\$ -
		EA		\$ -			\$ -
		EA		\$ -			\$ -
		EA		\$ -			\$ -
Section 3 Subtotal				\$ 580,286.96			\$ 580,286.96
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)				\$ -			\$ -
POND/BMP CERTIFICATION (inc. elevations and volume calculations)				\$ -			\$ -
Total Construction Financial Assurance				\$ 580,286.96			\$ 580,286.96
(Sum of all section subtotals plus as-builts and pond/BMP certification)							

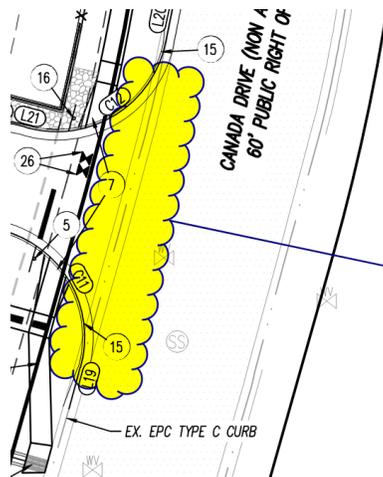
The plans do not appear to include improvements to the public road other than installation of sidewalk. Remove the following quantities if these are internal to property as site specific improvements:

- Aggregate Base Course
- Asphalt
- thermoplastic pavement marking
- curb & gutter
- curb opening.

Remove the following quantities from section 3 and place them under Section 2:

- Sidewalk
- pedestrian ramp
- cross pan (Cross pan quantity should only be for the section at the Canada Dr access location and not internal crosspans)

Provide lump sump cost to survey the pond and update the plans to reflect as-built and for the design engineer to reanalyze/certify the as-built pond. Quantities should be \$3,000 for the as-built and \$1,500 for the pond certification at a minimum.



Remove existing curb and gutter and replace with a 6' wide crosspan per Standard El Paso County detail SD_2-26 in Appendix F of the Engineering Criteria Manual.

PROJECT INFORMATION

JDA Constitution Ave Self Storage	6/15/2023	
Project Name	Date	PCD File No.

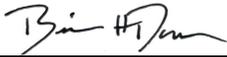
Description	Quantity	Units	Unit Cost	Total	(with Pre-Plat Construction)	
					% Complete	Remaining
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)					\$	816,748.73
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)						
Total Defect Warranty Financial Assurance					\$	41,136.68
(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



7/21/2023

Date

Approved by El Paso County Engineer / ECM Administrator

Date