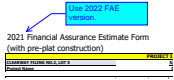


Financial Assurance Forms_V1.pdf Markup Summary

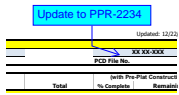
7/13/2022 2:45:55 PM (1)



Subject: Callout
Page Label: 1
Author: lpackman
Date: 7/13/2022 2:45:55 PM
Status:
Color: ■
Layer:
Space:

Use 2022 FAE version.

7/13/2022 2:46:06 PM (1)



Subject: Callout
Page Label: 1
Author: lpackman
Date: 7/13/2022 2:46:06 PM
Status:
Color: ■
Layer:
Space:

Update to PPR-2234

7/13/2022 2:57:51 PM (1)



Subject: Cloud+
Page Label: 2
Author: lpackman
Date: 7/13/2022 2:57:51 PM
Status:
Color: ■
Layer:
Space:

Fix page.

7/13/2022 2:58:53 PM (1)



Subject: Cloud+
Page Label: 3
Author: lpackman
Date: 7/13/2022 2:58:53 PM
Status:
Color: ■
Layer:
Space:

Note, these improvements do not have to be included in the FAE.

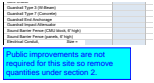
7/13/2022 2:59:22 PM (1)



Subject: Cloud+
Page Label: 4
Author: lpackman
Date: 7/13/2022 2:59:22 PM
Status:
Color: ■
Layer:
Space:

Note, these improvements do not have to be included in the FAE.

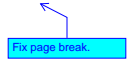
7/14/2022 10:14:15 AM (1)



Subject: Text Box
Page Label: 1
Author: lpackman
Date: 7/14/2022 10:14:15 AM
Status:
Color: ■
Layer:
Space:

Public improvements are not required for this site so remove quantities under section 2.

7/14/2022 10:21:34 AM (1)



Subject: Callout
Page Label: 3
Author: lpackman
Date: 7/14/2022 10:21:34 AM
Status:
Color: ■
Layer:
Space:

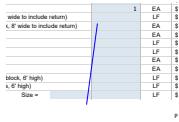
Fix page break.

7/18/2022 6:49:19 PM (1)



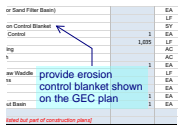
Subject: Cloud
Page Label: 1
Author: Daniel Torres
Date: 7/18/2022 6:49:19 PM
Status:
Color: ■
Layer:
Space:

7/18/2022 6:49:27 PM (1)



Subject: Line
Page Label: 1
Author: Daniel Torres
Date: 7/18/2022 6:49:27 PM
Status:
Color: ■
Layer:
Space:

7/18/2022 6:52:20 PM (1)



Subject: Callout
Page Label: 1
Author: Daniel Torres
Date: 7/18/2022 6:52:20 PM
Status:
Color: ■
Layer:
Space:

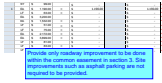
provide erosion control blanket shown on the GEC plan

7/18/2022 6:56:50 PM (1)



Subject: Arrow
Page Label: 1
Author: Daniel Torres
Date: 7/18/2022 6:56:50 PM
Status:
Color: ■
Layer:
Space:

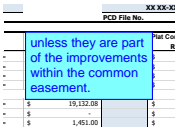
7/18/2022 6:57:16 PM (1)



Subject: Text Box
Page Label: 1
Author: Daniel Torres
Date: 7/18/2022 6:57:16 PM
Status:
Color: ■
Layer:
Space:

Provide only roadway improvement to be done within the common easement in section 3. Site improvements such as asphalt parking are not required to be provided.

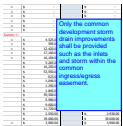
7/18/2022 6:58:16 PM (1)



Subject: Text Box
Page Label: 4
Author: Daniel Torres
Date: 7/18/2022 6:58:16 PM
Status:
Color: ■
Layer:
Space:

unless they are part of the improvements within the common easement.

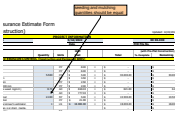
7/19/2022 7:47:43 AM (1)



Subject: Text Box
Page Label: 3
Author: Daniel Torres
Date: 7/19/2022 7:47:43 AM
Status:
Color: ■
Layer:
Space:

Only the common development storm drain improvements shall be provided such as the inlets and storm within the common ingress/egress easement.

7/20/2022 4:07:08 PM (1)



Subject: Engineer
Page Label: 1
Author: dotprete
Date: 7/20/2022 4:07:08 PM
Status:
Color: ■
Layer:
Space:

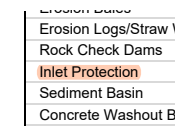
seeding and mulching quantities should be equal

7/20/2022 4:07:24 PM (1)



Subject: Stormwater Comments Color
Page Label: 1
Author: dotprete
Date: 7/20/2022 4:07:24 PM
Status:
Color: ■
Layer:
Space:

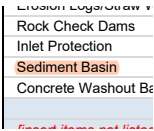
7/20/2022 4:08:13 PM (1)



Subject: Engineer
Page Label: 1
Author: dotprete
Date: 7/20/2022 4:08:13 PM
Status:
Color: ■
Layer:
Space:

Inlet Protection

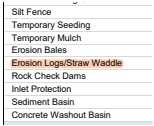
7/20/2022 4:08:16 PM (1)



Subject: Engineer
Page Label: 1
Author: dotprete
Date: 7/20/2022 4:08:16 PM
Status:
Color: ■
Layer:
Space:

Sediment Basin

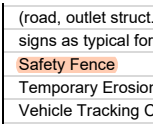
7/20/2022 4:08:29 PM (1)



Subject: Engineer
Page Label: 1
Author: dotprete
Date: 7/20/2022 4:08:29 PM
Status:
Color: ■
Layer:
Space:

Erosion Logs/Straw Waddle

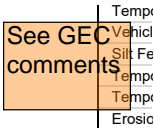
7/20/2022 4:08:37 PM (1)



Subject: Engineer
Page Label: 1
Author: dotprete
Date: 7/20/2022 4:08:37 PM
Status:
Color: ■
Layer:
Space:

Safety Fence

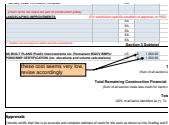
7/20/2022 4:09:17 PM (1)



Subject: Engineer
Page Label: 1
Author: dotprete
Date: 7/20/2022 4:09:17 PM
Status:
Color: ■
Layer:
Space:

See GEC comments

7/20/2022 4:10:21 PM (1)



Subject: Engineer
Page Label: 4
Author: dotprete
Date: 7/20/2022 4:10:21 PM
Status:
Color: ■
Layer:
Space:

these cost seems very low, revise accordingly

Use 2022 FAE version.

seeding and mulching quantities should be equal

Update to PPR-2234

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

Updated: 12/22/2020

PROJECT INFORMATION		
CLEARWAY FILING NO.2, LOT 5	5/14/2022	XX XX-XXX
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	5,500	CY	\$ 5.00	=	\$ 30,000.00		\$ 30,000.00
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.)	0.75	AC	\$ 828.00	=	\$ 621.00		\$ 621.00
* Mulching		AC	\$ 777.00	=	\$ -		\$ -
* Permanent Erosion Control Blanket	2,100	SY	\$ 5.00	=	\$ 10,500.00		\$ 10,500.00
* Permanent Pond/BMP Construction		CY	\$ 21.00	=	\$ -		\$ -
* Permanent Pond/BMP (provide engineer's estimate)	1	LS	\$ 18,000.00	=	\$ 18,000.00		\$ 18,000.00
(road, outlet struct., spillway, rip rap, pvc drain, media, signs as typical for Sand Filter Basin)		EA		=	\$ -		\$ -
Safety Fence		LF	\$ 3.00	=	\$ -		\$ -
Temporary Erosion Control Blanket		SY	\$ 3.00	=	\$ -		\$ -
Vehicle Tracking Control	1	EA	\$ 2,453.00	=	\$ 2,453.00		\$ 2,453.00
Silt Fence	1,035	LF	\$ 2.60	=	\$ 2,691.00		\$ 2,691.00
Temporary Seeding		AC	\$ 650.00	=	\$ -		\$ -
Temporary Mulch		AC	\$ 777.00	=	\$ -		\$ -
Erosion Bales	1	EA	\$ 26.00	=	\$ 26.00		\$ 26.00
Erosion Logs/Straw Waddle		LF	\$ 5.00	=	\$ -		\$ -
Rock Check Dams		EA	\$ 518.00	=	\$ -		\$ -
Inlet Protection		EA	\$ 173.00	=	\$ -		\$ -
Sediment Basin	1	EA	\$ 1,824.00	=	\$ 1,824.00		\$ 1,824.00
Concrete Washout Basin	1	EA	\$ 932.00	=	\$ 932.00		\$ 932.00
[insert items not listed but part of construction plans]				=	\$ -		\$ -

See GEC comments

provide erosion control blanket shown on the GEC plan

MAINTENANCE (35% of Construction BMPs)				=	\$ 2,774.10		\$ 2,774.10
Section 1 Subtotal				=	\$ 69,821.10		\$ 69,821.10

SECTION 2 - PUBLIC IMPROVEMENTS *

Construction Traffic Control	1	LS	\$ 3,000.00	=	\$ 3,000.00		\$ 3,000.00
Aggregate Base Course (135 lbs/cf)	817	Tons	\$ 29.00	=	\$ 23,693.00		\$ 23,693.00
Aggregate Base Course (135 lbs/cf)		CY	\$ 52.00	=	\$ -		\$ -
Asphalt Pavement (3" thick)		SY	\$ 14.50	=	\$ -		\$ -
Asphalt Pavement (4" thick)	2,444	SY	\$ 20.00	=	\$ 48,880.00		\$ 48,880.00
Asphalt Pavement (6" thick)		SY	\$ 30.00	=	\$ -		\$ -
Asphalt Pavement (147 lbs/cf)		SY	\$ 25.00	=	\$ -		\$ -
Raised Median, Paved (MEDIAN COVER)		SF	\$ 8.30	=	\$ -		\$ -
Regulatory Sign/Advisory Sign		EA	\$ 311.00	=	\$ -		\$ -
Guide/Street Name Sign		EA	\$ 250.00	=	\$ -		\$ -
Epoxy Pavement Marking	800	LF	\$ 1.00	=	\$ 800.00		\$ 800.00
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)	695	LF	\$ 15.00	=	\$ 10,425.00		\$ 10,425.00
Curb and Gutter, Type B (Median)		LF	\$ 31.00	=	\$ -		\$ -
Curb and Gutter, Type C (Ramp)	215	LF	\$ 22.00	=	\$ 4,730.00		\$ 4,730.00
4" Sidewalk (common areas only)		SY	\$ 50.00	=	\$ -		\$ -
5" Sidewalk	209	SY	\$ 62.00	=	\$ 12,958.00		\$ 12,958.00
6" Sidewalk		SY	\$ 75.00	=	\$ -		\$ -
8" Sidewalk		SY	\$ 99.00	=	\$ -		\$ -
Pedestrian Ramp	1	EA	\$ 1,190.00	=	\$ 1,190.00		\$ 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)		EA	\$ 3,200.00	=	\$ -		\$ -
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		=	\$ -		\$ -

Public improvements are not required for this site so remove quantities under section 2.

Provide only roadway improvement to be done within the common easement in section 3. Site improvements such as asphalt parking are not required to be provided.

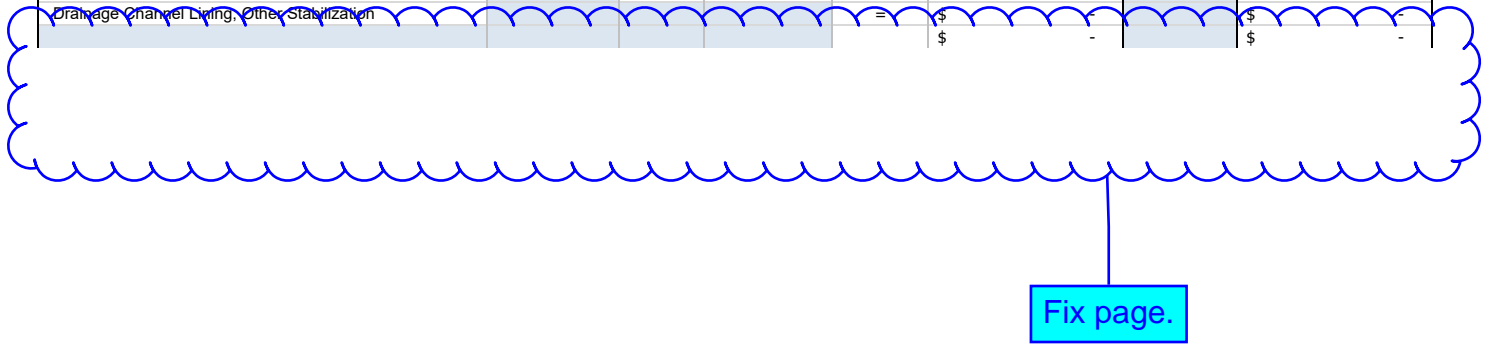
PROJECT INFORMATION

CLEARWAY FILING NO.2, LOT 5 **5/14/2022** **XX XX-XXX**

Project Name **Date** **PCD File No.**

Description	Quantity	Units	Unit Cost		Total	(with Pre-Plat Construction)	
						% Complete	Remaining
Traffic Signal, complete intersection		EA	\$ 439,875	=	\$ -		\$ -
		EA	\$ 500.00	=	\$ -		\$ -
STORM DRAIN IMPROVEMENTS				=	\$ -		\$ -

Concrete Box Culvert (M Standard), Size (W x H)		LF		=	\$ -		\$ -
18" Reinforced Concrete Pipe		LF	\$ 45.00	=	\$ -		\$ -
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 = (unit cost = 6x pipe unit cost)		EA	\$ 1,800.00	=	\$ -		\$ -
Flared End Section (FES) CSP Size = (unit cost = 6x pipe unit cost)		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"		CY	\$ 65.00	=	\$ -		\$ -
Rip Rap, Grouted		Tons	\$ 98.00	=	\$ -		\$ -
Drainage Channel Construction, Size (W x H)		LF	\$ -	=	\$ -		\$ -
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				=	\$ -		\$ -



PROJECT INFORMATION		
CLEARWAY FILING NO.2, LOT 5	5/14/2022	XX XX-XXX
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]				= \$ -		\$ -
Section 2 Subtotal				= \$ 105,676.00		\$ 105,676.00

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)				
6" PP	181	LF	\$ 25.00	=	\$ 4,525.0	
8" PP	17	LF	\$ 35.00	=	\$ 595.0	
12" PP	276	LF	\$ 45.00	=	\$ 12,420.0	
15" PP	312	LF	\$ 55.00	=	\$ 17,160.0	
18" PP	238	LF	\$ 68.00	=	\$ 16,184.0	
24" PP	65	LF	\$ 81.00	=	\$ 5,265.0	
30" PP	130	LF	\$ 125.00	=	\$ 16,250.0	
36" PP	357	LF	\$ 150.00	=	\$ 53,550.0	
18" FES RCP	1	EA	\$ 923.00	=	\$ 923.0	
24" FES RCP	1	EA	\$ 1,046.00	=	\$ 1,046.0	
30" FES RCP	1	EA	\$ 1,292.00	=	\$ 1,292.0	
36" FES RCP	1	EA	\$ 1,845.00	=	\$ 1,845.0	
Triple Type 16 Inlet	5	EA	\$ 11,900.00	=	\$ 59,500.0	
Single Type 16 Inlet	1	EA	\$ 5,900.00	=	\$ 5,900.0	
Type D Inlet	2	EA	\$ 4,800.00	=	\$ 9,600.0	
24" Grate & Drain Basin	4	EA	\$ 2,930.00	=	\$ 11,720.0	
2'x2' Steel Grate & Drain Basin	1	EA	\$ 2,930.00	=	\$ 2,930.00	\$ 2,930.00
Manhole	6	EA	\$ 6,500.00	=	\$ 39,000.00	\$ 39,000.00
Type M Rip Rap	60	CY	\$ 65.00	=	\$ 3,900.00	\$ 3,900.00
WATER SYSTEM IMPROVEMENTS						
Water Main Pipe (PVC), Size 8"	185	LF	\$ 60.00	=	\$ 11,100.00	\$ 11,100.00
Water Main Pipe (Ductile Iron), Size 8"		LF	\$ 78.00	=	\$ -	\$ -
Gate Valves, 8"	2	EA	\$ 1,923.00	=	\$ 3,846.00	\$ 3,846.00
Fire Hydrant Assembly, w/all valves	2	EA	\$ 2,500.00	=	\$ 5,000.00	\$ 5,000.00

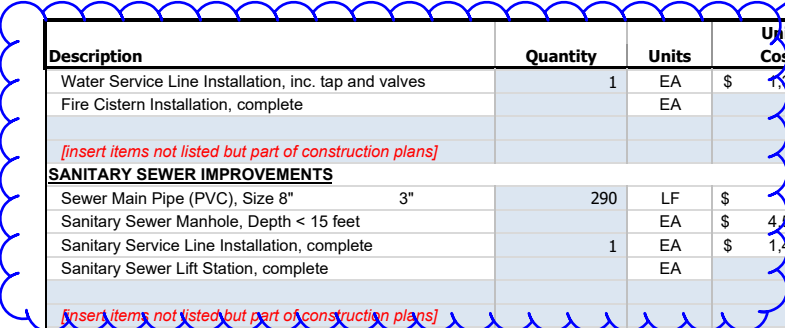
Only the common development storm drain improvements shall be provided such as the inlets and storm within the common ingress/egress easement.

Fix page break.

PROJECT INFORMATION									
CLEARWAY FILING NO.2, LOT 5					5/14/2022		XX-XXX		
Project Name					Date				
Description	Quantity	Units	Unit Cost					Plat Construction)	Remaining
Water Service Line Installation, inc. tap and valves	1	EA	\$ 1,370.00	=				\$	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" 3"	290	LF	\$ 66.00	=	\$ 19,132.08			\$	19,132.08
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$ 4,640.00	=	\$ -			\$	-
Sanitary Service Line Installation, complete	1	EA	\$ 1,451.00	=	\$ 1,451.00			\$	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 is not subject to defect warranty requirements									
Section 3 Subtotal				=	\$ 305,504.08			\$	305,504.08
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV BMPs)	LS		\$ 1,500.00	=	\$ 1,500.00			\$	1,500.00
POND/BMP CERTIFICATION (inc. elevations and volume calculations)	LS		\$ 1,500.00	=	\$ 1,500.00			\$	1,500.00
these cost seems very low, revise accordingly									
Total Construction Financial Assurance						\$		\$	484,001.18
(Sum of all section subtotals plus as-builts and pond/BMP certification)									
Total Remaining Construction Financial Assurance (with Pre-Plat Construction)						\$		\$	484,001.18
(Sum of all section totals less credit for items complete plus as-builts and pond/BMP certification)									
Total Defect Warranty Financial Assurance						\$		\$	32,959.40
(20% of all items identified as (*). To be collateralized at time of preliminary acceptance)									

Note, these improvements do not have to be included in the FAE.

unless they are part of the improvements within the common easement.



these cost seems very low, revise accordingly

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