2019 Financial Assurance Estimate Form

(with pre-plat construction) Updated: 6/7/2019 PROJECT INFORMATION
7/1/2019
Date Guleagle Supply Storage Yard Project Name PPR1911

PCD File No.

cription	Quantity	Units	Unit			Total	(with Pre % Complete	1	Remaining
CTION 1 - GRADING AND EROSION CONTRO					1	IULAI	% Complete		Remaining
Earthwork	L (Construction a	and Perma	nent BMPS)						
less than 1,000; \$5,300 min	20	CY	\$ 8.00	=	\$	5,300.00		\$	5,300.0
1,000-5,000; \$8,000 min	20	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	=	\$	-	The second second	\$	-
greater than 200,000; \$500,000 min		CY	\$ 2.00		\$			\$	
Permanent Seeding (inc. noxious weed mgmnt.)		AC	\$ 800.00		\$	-		\$	
Mulching		AC	\$ 750.00		\$			d d	
Permanent Erosion Control Blanket		SY	\$ 6.00			<u>-</u>		\$	
	27	CY			\$	740.00		\$	740.
Permanent Pond/BMP Construction	37 3			-		330.00		\$	330.
Permanent Pond/BMP (Spillway)	3	EA	\$ 110.00		\$	330.00		\$	330.
Permanent Pond/BMP (Outlet Structure)		EA	0.00		\$				
afety Fence		LF	\$ 3.00		\$			\$	
emporary Erosion Control Blanket		SY	\$ 3.00	=	\$			\$	
ehicle Tracking Control	1	EA	\$ 2,370.00	-	\$	2,370.00		\$	2,370
Silt Fence	311	LF	\$ 2.50	=	\$	777.50		\$	777.
emporary Seeding		AC	\$ 628.00	=	\$	······		\$	
emporary Mulch		AC	\$ 750.00	=_	\$	•	1/10/19	\$	
rosion Bales		EA	\$ 25.00	=	\$	-	CONTRACTOR	\$,
rosion Logs/Straw Waddle	143	LF	\$ 5.00	=	\$	715.00		\$	715
Rock Check Dams		EA	\$ 500.00	=	\$	-		\$	
nlet Protection		EA	\$ 167.00	=	\$	-		\$	
Sediment Basin	3	EA	\$ 1,762.00	=	\$	5,286.00		\$	5,286
Concrete Washout Basin	1	EA	\$ 900.00	=	\$	900.00		\$	900
Rock Socks	30	LF	\$ 12.00	=	\$	360.00		\$	360
insert items not listed but part of construction plans]				=	\$	-		\$	
	TRITERIANCE (SEO	- of Const		=	\$	3,642.98		\$	3,642
MA	THIENANCE (35%	O UI CUIISL	ruction BMPS)	=					
ubject to defect warranty financial assurance. A minimum of 20% shall stained until final acceptance (MAXIMUM OF 80% COMPLETE	AINTENANCE (35%		on 1 Subtotal	=	\$	20,421.48		\$	20,421.4
ubject to defect warranty financial assurance. A minimum of 20% shall stained until final acceptance (MAXIMUM OF 80% COMPLETE DWED)	IINTENANCE (35%								20,421.4
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ubject to defect warranty financial assurance. A minimum of 20% shall stained until final acceptance (MAXIMUM OF 80% COMPLETE OWNED) CTION 2 - PUBLIC IMPROVEMENTS Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (135 lbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Asphalt Pavement (6" thick) Asphalt Pavement (147 lbs/cf)" thick Regulatory Sign/Advisory Sign Guide/Street Name Sign Epoxy Pavement Marking Thermoplastic Pavement Marking Barricade - Type 3 Delineator - Type I Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type B (Median) Curb and Gutter, Type C (Ramp) S' Sidewalk S' Sidewalk S' Sidewalk Pedestrian Ramp Cross Pan, local (8" thick, 6' wide to include return) Curb Chase Guardrail Type 3 (W-Beam) Guardrail Type 3 (W-Beam) Guardrail Type 7 (Concrete)		LS Tons CY SY SY Tons SF EA EA LF	\$ 28.00 \$ 50.00 \$ 14.00 \$ 19.00 \$ 29.00 \$ 88.00 \$ 300.00 \$ 23.00 \$ 23.00 \$ 20.00 \$ 24.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 30.00 \$ 1,150.00 \$ 60.00 \$ 72.00 \$ 92.00 \$ 1,480.00 \$ 1,480.00 \$ 1,480.00 \$ 2,098.00 \$ 2,098.00 \$ 3,767.00		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,421.48		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,421.4

	PROJECT INFORMATION	The state of the s
Guleagle Supply Storage Yard	7/1/2019	PPR1911
Project Name	Date	PCD File No.

finsert items not listed but part of construction plans STORM DRAIN IMPROVEMENTS Concrete Box Culvert (M Standard), Size (W x H) 18" Reinforced Concrete Pipe 24" Reinforced Concrete Pipe 30" Reinforced Concrete Pipe 42" Reinforced Concrete Pipe 42" Reinforced Concrete Pipe 42" Reinforced Concrete Pipe 42" Reinforced Concrete Pipe 66" Reinforced Concrete Pipe 66" Reinforced Concrete Pipe 66" Reinforced Concrete Pipe 72" Reinforced Concrete Pipe 72" Reinforced Concrete Pipe 72" Roinforced Concrete Pipe 72" Corrugated Steel Pipe 73" Corrugated Steel Pipe 74" Corrugated Steel Pipe 74" Corrugated Steel Pipe 75" Corrugated Steel Pipe 77" Corrugated Steel Pipe 78" Corrugated Steel Pipe 79" Corrugated Ste	LF	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	65.00 78.00 97.00 120.00 160.00 195.00 245.00 288.00 332.00 380.00 84.00 96.00 122.00 147.00 168.00 178.00 260.00 280.00 340.00 400.00 550.00		* * * * * * * * * * * * * * * * * * * *	Total	% Complete	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Remaining
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Concrete Box Culvert (M Standard), Size (W x H) 18" Reinforced Concrete Pipe 24" Reinforced Concrete Pipe 30" Reinforced Concrete Pipe 30" Reinforced Concrete Pipe 42" Reinforced Concrete Pipe 42" Reinforced Concrete Pipe 48" Reinforced Concrete Pipe 54" Reinforced Concrete Pipe 60" Reinforced Concrete Pipe 66" Reinforced Concrete Pipe 66" Reinforced Concrete Pipe 72" Reinforced Concrete Pipe 88" Corrugated Steel Pipe 24" Corrugated Steel Pipe 30" Corrugated Steel Pipe 42" Corrugated Steel Pipe 48" Corrugated Steel Pipe 48" Corrugated Steel Pipe 66" Corrugated Steel Pipe 66" Corrugated Steel Pipe 66" Corrugated Steel Pipe 72" Corrugated Steel Pipe 84" Corrugated Steel Pipe 78" Corrugated Steel Pipe 84" Corrugated Steel Pipe 84" Corrugated Steel Pipe Flared End Section (FES) RCP (unit cost = 8x pipe unit cost) Flared End Section (FES) CSP Size = (unit cost = 8x pipe unit cost) End Treatment- Wingwall End Treatment- Cutoff Wall Curb Inlet (Type R) L =5', Depth < 5' Curb Inlet (Type R) L =5', Depth < 5' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =15', S' ≤ Depth < 10' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', S' ≤ Depth < 10' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', S' ≤ Depth < 10' Curb Inlet (Type R) L =15', S' ≤ Depth < 10' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', Depth < 15' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', Depth < 15' Curb Inlet (Type R) L =15', Depth < 15'	LF L	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	78.00 97.00 120.00 160.00 195.00 245.00 288.00 332.00 380.00 84.00 96.00 122.00 147.00 168.00 178.00 260.00 280.00 340.00 400.00		* * * * * * * * * * * * * * * * * * * *			\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -
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36" Reinforced Concrete Pipe 42" Reinforced Concrete Pipe 48" Reinforced Concrete Pipe 54" Reinforced Concrete Pipe 60" Reinforced Concrete Pipe 60" Reinforced Concrete Pipe 72" Reinforced Concrete Pipe 72" Reinforced Concrete Pipe 88" Corrugated Steel Pipe 18" Corrugated Steel Pipe 30" Corrugated Steel Pipe 30" Corrugated Steel Pipe 42" Corrugated Steel Pipe 42" Corrugated Steel Pipe 44" Corrugated Steel Pipe 54" Corrugated Steel Pipe 66" Corrugated Steel Pipe 66" Corrugated Steel Pipe 72" Corrugated Steel Pipe 72" Corrugated Steel Pipe 72" Corrugated Steel Pipe 72" Corrugated Steel Pipe 84" Corrugated Steel Pipe 78" Corrugated Steel Pipe 84" Corrugated Steel Pipe 85 Each Steel Size = (unit cost) 86 Each Steel Size = (unit cost) 87 Each Steel Size = (unit cost) 88 Each Steel Size = (unit cost) 89 Each Steel Size = (unit cost) 80 Each Steel Size = (unit cost) 80 Each Steel Size = (unit cost) 81 Each Steel Size = (unit cost) 82 Each Steel Size = (unit cost) 83 Each Steel Size = (unit cost) 84 Each Steel Size = (unit cost) 85 Each Steel Size = (unit cost) 86 Each Steel Size = (unit cost) 86 Each Size = (unit cost) 87 Each Size = (unit cost) 88 Each Size = (unit cost) 89 Each Size = (unit cost) 80 Each Size = (unit cost) 80 Each Size = (unit cost) 81 Each Size = (unit cost) 81 Each Size = (unit cost) 82 Each Size = (unit cost) 83 Each Size = (unit cost) 84 Each Size = (unit cost) 84 Each Size = (unit cost) 85 Each Size = (unit cost) 86 Each Size = (unit cost) 86 Each Size = (unit cost) 87 Each Size = (unit cost) 88 Each Size = (unit cost) 89 Each Size = (unit cost) 80 Each Size = (unit cost) 80 Each Size = (unit cost) 80 Each Size = (unit cost) 81 Each Siz	LF L	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	120.00 160.00 195.00 245.00 288.00 332.00 380.00 84.00 96.00 122.00 147.00 168.00 178.00 260.00 280.00 340.00 400.00		* * * * * * * * * * * * * * * * * * * *			\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -
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48" Reinforced Concrete Pipe 54" Reinforced Concrete Pipe 60" Reinforced Concrete Pipe 66" Reinforced Concrete Pipe 72" Corrugated Steel Pipe 30" Corrugated Steel Pipe 30" Corrugated Steel Pipe 42" Corrugated Steel Pipe 42" Corrugated Steel Pipe 64" Corrugated Steel Pipe 66" Corrugated Steel Pipe 66" Corrugated Steel Pipe 72" Corrugated Steel Pipe 72" Corrugated Steel Pipe 72" Corrugated Steel Pipe 78" Corrugated Steel Pipe 84" Corrugated Steel Pipe 78" Corrugated Steel Pipe Flared End Section (FES) RCP (unt cost = 6x pipe unit cost) Flared End Section (FES) CSP Size = (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP Size = (unit Cost = 6x pipe unit cost) End Treatment- Headwall End Treatment- Cutoff Wall Curb Inlet (Type R) L=5', Depth < 5' Curb Inlet (Type R) L =5', Depth < 10' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', Depth < 10' Curb Inlet (Type R) L =15', Depth < 15' Curb Inlet (Type R) L =15', Depth < 15' Curb Inlet (Type R) L =15', Depth < 15' Curb Inlet (Type R) L =15', Depth < 15'	LF L	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	195.00 245.00 288.00 332.00 380.00 84.00 96.00 122.00 147.00 168.00 178.00 260.00 280.00 340.00 460.00		* * * * * * * * * * * * * * * * * * * *			\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -
54" Reinforced Concrete Pipe 60" Reinforced Concrete Pipe 66" Reinforced Concrete Pipe 72" Reinforced Concrete Pipe 18" Corrugated Steel Pipe 24" Corrugated Steel Pipe 36" Corrugated Steel Pipe 36" Corrugated Steel Pipe 42" Corrugated Steel Pipe 48" Corrugated Steel Pipe 66" Corrugated Steel Pipe 66" Corrugated Steel Pipe 66" Corrugated Steel Pipe 72" Corrugated Steel Pipe 72" Corrugated Steel Pipe 72" Corrugated Steel Pipe 84" Corrugated Steel Pipe 72" Corrugated Steel Pipe 84" Corrugated Steel Pipe 84" Corrugated Steel Pipe 84" Corrugated Steel Pipe 84" Corrugated Steel Pipe Flared End Section (FES) RCP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP Size = (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP Unit cost = 6x pipe unit cost) End Treatment- Wingwall End Treatment- Cutoff Wall Curb Inlet (Type R) L=5', Depth < 5' Curb Inlet (Type R) L =5', Depth < 10' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', Depth < 15' Curb Inlet (Type R) L =15', Depth < 15'	LF L	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	245.00 288.00 332.00 380.00 84.00 96.00 122.00 147.00 168.00 178.00 260.00 280.00 340.00 460.00		* * * * * * * * * * * * * * * * *			\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -
60" Reinforced Concrete Pipe 66" Reinforced Concrete Pipe 72" Reinforced Concrete Pipe 18" Corrugated Steel Pipe 24" Corrugated Steel Pipe 36" Corrugated Steel Pipe 36" Corrugated Steel Pipe 42" Corrugated Steel Pipe 48" Corrugated Steel Pipe 60" Corrugated Steel Pipe 60" Corrugated Steel Pipe 60" Corrugated Steel Pipe 72" Corrugated Steel Pipe 72" Corrugated Steel Pipe 78" Corrugated Steel Pipe 78" Corrugated Steel Pipe 84" Corrugated Steel Pipe 78" Corrugated Steel Pipe Flared End Section (FES) RCP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP Size = (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP Size = (unit cost = 6x pipe unit cost) End Treatment- Headwall End Treatment- Cutoff Wall Curb Inlet (Type R) L =5', Depth < 5' Curb Inlet (Type R) L =5', Depth < 10' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', Depth < 10' Curb Inlet (Type R) L =15', Depth < 10' Curb Inlet (Type R) L =15', Depth < 10' Curb Inlet (Type R) L =15', Depth < 10' Curb Inlet (Type R) L =15', Depth < 10' Curb Inlet (Type R) L =15', Depth < 15'	LF L	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	288.00 332.00 380.00 84.00 96.00 122.00 147.00 168.00 178.00 260.00 280.00 340.00 460.00	= = = = = = = = = = = = = = = = = = =	* * * * * * * * * * * * * *			\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	-
66" Reinforced Concrete Pipe 72" Reinforced Concrete Pipe 18" Corrugated Steel Pipe 24" Corrugated Steel Pipe 30" Corrugated Steel Pipe 30" 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 72" Corrugated Steel Pipe 78" Corrugated Steel Pipe 78" Corrugated Steel Pipe 84" Corrugated Steel Pipe 84" Corrugated Steel Pipe 84" Corrugated Steel Pipe Flared End Section (FES) RCP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP End Treatment- Headwall End Treatment- Wingwall End Treatment- Vingwall End Treatment- Vingwall End Treatment - Cutoff Wall Curb Inlet (Type R) L=5', 5' ≤ Depth < 10' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', Depth < 10' Curb Inlet (Type R) L =15', Depth < 15' Curb Inlet (Type R) L =15', Depth < 15'	LF L	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	332.00 380.00 84.00 96.00 122.00 147.00 168.00 178.00 260.00 280.00 340.00 460.00		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - - - - - - - - -
72" Reinforced Concrete Pipe 18" Corrugated Steel Pipe 24" Corrugated Steel Pipe 30" Corrugated Steel Pipe 36" Corrugated Steel Pipe 42" Corrugated Steel Pipe 42" Corrugated Steel Pipe 44" Corrugated Steel Pipe 54" Corrugated Steel Pipe 60" Corrugated Steel Pipe 66" Corrugated Steel Pipe 72" Corrugated Steel Pipe 78" Corrugated Steel Pipe 78" Corrugated Steel Pipe 84" Corrugated Steel Pipe 84" Corrugated Steel Pipe 84" Corrugated Steel Pipe Flared End Section (FES) RCP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP Size = (unit cost) Flared End Section (FES) CSP Size = (unit cost) Flared End Section (FES) CSP Size = (unit cost) Flared End Section (FES) CSP Size = (unit cost) Flared End Section (FES) CSP Size = (unit cost) Flared End Section (FES) CSP Size = (unit cost) Flared End Section (FES) CSP Size = (unit cost) Flared End Section (FES) CSP Size = (unit cost) Flared End Section (FES) CSP Size = (unit cost) Flared End Section (FES) CSP Size = (unit cost) Flared End S	LF L	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	380.00 84.00 96.00 122.00 147.00 168.00 178.00 260.00 280.00 340.00 400.00	= = = = = = = = = = = = = = = = = = =	* * * * * * * * * * * *			\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - - - -
18" Corrugated Steel Pipe 24" Corrugated Steel Pipe 30" Corrugated Steel Pipe 36" Corrugated Steel Pipe 42" Corrugated Steel Pipe 42" Corrugated Steel Pipe 42" 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 84" Corrugated Steel Pipe 84" Corrugated Steel Pipe Flared End Section (FES) RCP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP Size = (unit cost) Flared End Section (FES) CSP Size = (unit cost) Flared End Section (FES) CSP Size = (unit cost) Flared End Section (FES) CSP Size = (unit cost) Flared End Section (FES) CSP Size = (unit cost) Flared End Section (FES) CSP Size = (unit cost) Flared End Section (FES) CSP Size = (unit cost) Flared End Section (FES) CSP Size = (unit cost) Flared End Section (FES) CSP Size = (unit cost) Flared End Section (FES) CSP Size = (unit cost) Flared	LF L	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	84.00 96.00 122.00 147.00 168.00 178.00 260.00 280.00 340.00 460.00	= = = = = = = = = =	* * * * * * * * * * *	- - - - - - - - - - - - - - - - - - -		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - - -
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 78" Corrugated Steel Pipe 84" Corrugated Steel Pipe Flared End Section (FES) RCP Size = (unit cost - 6x pipe unit cost) Flared End Section (FES) CSP Gunit cost - 6x pipe unit cost) Flared End Section (FES) CSP Size = (unit cost - 6x pipe unit cost) Flared End Section (FES) CSP Size = (unit cost - 6x pipe unit cost) Flared End Section (FES) CSP Cunit cost - 6x pipe unit cost) Flared End Section (FES) CSP Size = (unit cost - 6x pipe unit cost) Flared End Section (FES) CSP Cunit cost - 6x pipe unit cost) Flared End Section (FES) CSP Size = (unit cost - 6x pipe unit cost) Flared End Section (FES) CSP Size = (unit cost - 6x pipe unit cost) Flared End Section (FES) CSP Size = (unit cost - 6x pipe unit cost) Flared End Section (FES) CSP Size = (unit cost - 6x pipe unit cost) Flared End Section (FES) CSP Size = (unit cost - 6x pipe unit cost) Flared End Section (FES) CSP Size = (unit cost - 6x pipe unit cost) Flared End Section (FES) CSP Size = (unit cost - 6x pipe unit cost) Flared End Section (FES) CSP Size = (unit cost - 6x pipe unit cost) Flared End Section (FES) CSP Size = (unit cost - 6x pipe unit cost) Flared End Section (FES) CSP Size = (unit cost - 6x pipe unit cost) Flared End Section (FES) CSP Size = (unit cost - 6x pipe unit cost) Flared End Section (FES) CSP Size = (unit cost - 6x pipe unit cost) Flared End Section (FES) CSP Size = (unit cost - 6x pipe unit cost) Flared End Section (FES) CSP Size = (unit cost - 6x pipe unit cost) Flared End Section (FES) CSP Size = (unit cost - 6x pipe unit cost) Flared End Section (FES) CSP Size = (unit cost) Flared End Section (FES) CSP Size = (unit cost) Flared End Section (FES) CSP Size = (unit cost) Flared End Section (FES) CSP Size = (unit cost) Fl	LF L	\$ \$ \$ \$ \$ \$ \$	96.00 122.00 147.00 168.00 178.00 260.00 280.00 340.00 400.00	= = = = = = = = = = = = = = = = = = = =	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - -
30" Corrugated Steel Pipe 36" Corrugated Steel Pipe 42" Corrugated Steel Pipe 48" Corrugated Steel Pipe 54" Corrugated Steel Pipe 56" Corrugated Steel Pipe 66" Corrugated Steel Pipe 72" Corrugated Steel Pipe 72" Corrugated Steel Pipe 78" Corrugated Steel Pipe 78" Corrugated Steel Pipe 84" Corrugated Steel Pipe Flared End Section (FES) RCP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit Cost = 6x pipe unit cost) End Treatment- Headwall End Treatment- Wingwall End Treatment- Cutoff Wall Curb Inlet (Type R) L=5', Depth < 5' Curb Inlet (Type R) L =5', 10' ≤ Depth < 15' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', Depth < 10' Curb Inlet (Type R) L =15', Depth < 10' Curb Inlet (Type R) L =15', Depth < 10' Curb Inlet (Type R) L =15', Depth < 10' Curb Inlet (Type R) L =15', Depth < 10' Curb Inlet (Type R) L =15', Depth < 10'	LF L	\$ \$ \$ \$ \$ \$	122.00 147.00 168.00 178.00 260.00 280.00 340.00 400.00 460.00	= = = = = = = = =	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - -
36" Corrugated Steel Pipe 42" Corrugated Steel Pipe 48" Corrugated Steel Pipe 54" Corrugated Steel Pipe 60" Corrugated Steel Pipe 60" Corrugated Steel Pipe 66" Corrugated Steel Pipe 72" Corrugated Steel Pipe 78" Corrugated Steel Pipe 84" Corrugated Steel Pipe 84" Corrugated Steel Pipe Flared End Section (FES) RCP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP Size = (unit cost = 6x pipe unit cost) End Treatment- Headwall End Treatment- Wingwall End Treatment- Cutoff Wall Curb Inlet (Type R) L=5', Depth < 5' Curb Inlet (Type R) L =5', 10' ≤ Depth < 15' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 15', Depth < 5' Curb Inlet (Type R) L = 15', Depth < 5' Curb Inlet (Type R) L = 15', Depth < 5' Curb Inlet (Type R) L = 15', Depth < 5' Curb Inlet (Type R) L = 15', 5' ≤ Depth < 10' Curb Inlet (Type R) L = 15', Depth < 5' Curb Inlet (Type R) L = 15', Depth < 10' Curb Inlet (Type R) L = 15', Depth < 10' Curb Inlet (Type R) L = 15', Depth < 10' Curb Inlet (Type R) L = 15', Depth < 10' Curb Inlet (Type R) L = 15', Depth < 15'	LF LF LF LF LF LF LF EA	\$ \$ \$ \$ \$ \$	147.00 168.00 178.00 260.00 280.00 340.00 400.00 460.00	= = = = = = = = =	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - -
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 84" Corrugated Steel Pipe Flared End Section (FES) RCP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) End Treatment- Headwall End Treatment- Wingwall End Treatment- Cutoff Wall Curb Inlet (Type R) L=5', Depth < 5' Curb Inlet (Type R) L =5', Depth < 10' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 15' Curb Inlet (Type R) L = 15', Depth < 5' Curb Inlet (Type R) L = 15', Depth < 5' Curb Inlet (Type R) L = 15', Depth < 5' Curb Inlet (Type R) L = 15', Depth < 5' Curb Inlet (Type R) L = 15', Depth < 10' Curb Inlet (Type R) L = 15', Depth < 10' Curb Inlet (Type R) L = 15', Depth < 10' Curb Inlet (Type R) L = 15', Depth < 10' Curb Inlet (Type R) L = 15', Depth < 10' Curb Inlet (Type R) L = 15', Depth < 10' Curb Inlet (Type R) L = 15', Depth < 10'	LF LF LF LF LF LF EA	\$ \$ \$ \$ \$	168.00 178.00 260.00 280.00 340.00 400.00	= = = = = = = =	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - -		\$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - -
48" Corrugated Steel Pipe 54" Corrugated Steel Pipe 60" Corrugated Steel Pipe 66" Corrugated Steel Pipe 72" Corrugated Steel Pipe 78" Corrugated Steel Pipe 78" Corrugated Steel Pipe Flared End Section (FES) RCP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP Size = (unit cost = 6x pipe unit cost) End Treatment- Headwall End Treatment- Wingwall End Treatment- Wingwall End Treatment - Cutoff Wall Curb Inlet (Type R) L=5', Depth < 5' Curb Inlet (Type R) L = 5', 10' ≤ Depth < 15' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 15', Depth < 5' Curb Inlet (Type R) L = 15', Depth < 5' Curb Inlet (Type R) L = 15', Depth < 5' Curb Inlet (Type R) L = 15', Depth < 5' Curb Inlet (Type R) L = 15', Depth < 10' Curb Inlet (Type R) L = 15', Depth < 10' Curb Inlet (Type R) L = 15', Depth < 10' Curb Inlet (Type R) L = 15', Depth < 15'	LF LF LF LF LF EA EA	\$ \$ \$ \$ \$	178.00 260.00 280.00 340.00 400.00 460.00	= = = = = = = =	\$ \$ \$ \$ \$ \$	- - - - - -		\$ \$ \$ \$ \$ \$ \$	-
54" Corrugated Steel Pipe 60" Corrugated Steel Pipe 66" Corrugated Steel Pipe 72" Corrugated Steel Pipe 78" Corrugated Steel Pipe 78" Corrugated Steel Pipe Flared End Section (FES) RCP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP Size = (unit cost = 6x pipe unit cost) End Treatment- Headwall End Treatment- Wingwall End Treatment- Cutoff Wall Curb Inlet (Type R) L=5', Depth < 5' Curb Inlet (Type R) L =5', 10' ≤ Depth < 15' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', 5' ≤ Depth < 10' Curb Inlet (Type R) L =10', 5' ≤ Depth < 10' Curb Inlet (Type R) L =10', 5' ≤ Depth < 10' Curb Inlet (Type R) L =10', 5' ≤ Depth < 10' Curb Inlet (Type R) L =10', 5' ≤ Depth < 15' Curb Inlet (Type R) L =15', 5' ≤ Depth < 5' Curb Inlet (Type R) L =15', 5' ≤ Depth < 5' Curb Inlet (Type R) L =15', 5' ≤ Depth < 10' Curb Inlet (Type R) L =15', 5' ≤ Depth < 10' Curb Inlet (Type R) L =15', 5' ≤ Depth < 10' Curb Inlet (Type R) L =15', 5' ≤ Depth < 10' Curb Inlet (Type R) L =15', 5' ≤ Depth < 10' Curb Inlet (Type R) L =15', 5' ≤ Depth < 10'	LF LF LF LF LF EA EA	\$ \$ \$ \$	260.00 280.00 340.00 400.00 460.00	= = = = =	\$ \$ \$ \$ \$			\$ \$ \$ \$ \$	-
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 (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP Size = (unit cost = 6x pipe unit cost) End Treatment- Headwall End Treatment- Wingwall End Treatment- Cutoff Wall Curb Inlet (Type R) L=5', Depth < 5' Curb Inlet (Type R) L=5', 5' ≤ Depth < 10' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 15', Depth < 5' Curb Inlet (Type R) L = 15', Depth < 5' Curb Inlet (Type R) L = 15', Depth < 5' Curb Inlet (Type R) L = 15', Depth < 5' Curb Inlet (Type R) L = 15', Depth < 10' Curb Inlet (Type R) L = 15', Depth < 10' Curb Inlet (Type R) L = 15', Depth < 10' Curb Inlet (Type R) L = 15', Depth < 15'	LF LF LF LF EA EA	\$ \$ \$	280.00 340.00 400.00 460.00	= = = = = = = = = = = = = = = = = = = =	\$ \$ \$ \$ \$			\$ \$ \$ \$	
66" Corrugated Steel Pipe 72" Corrugated Steel Pipe 78" Corrugated Steel Pipe 84" Corrugated Steel Pipe 84" Corrugated Steel Pipe Flared End Section (FES) RCP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) End Treatment- Headwall End Treatment- Cutoff Wall Curb Inlet (Type R) L=5', Depth < 5' Curb Inlet (Type R) L=5', 5' ≤ Depth < 10' Curb Inlet (Type R) L = 5', 10' ≤ Depth < 15' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', 5' ≤ Depth < 10' Curb Inlet (Type R) L = 10', 5' ≤ Depth < 10' Curb Inlet (Type R) L = 10', 5' ≤ Depth < 15' Curb Inlet (Type R) L = 15', Depth < 5' Curb Inlet (Type R) L = 15', Depth < 5' Curb Inlet (Type R) L = 15', 5' ≤ Depth < 10' Curb Inlet (Type R) L = 15', 5' ≤ Depth < 10' Curb Inlet (Type R) L = 15', 5' ≤ Depth < 10' Curb Inlet (Type R) L = 15', 5' ≤ Depth < 10' Curb Inlet (Type R) L = 15', 10' ≤ Depth < 15'	LF LF LF LF EA EA	\$ \$ \$	340.00 400.00 460.00	= = = =	\$ \$ \$ \$	-		\$ \$ \$ \$	-
66" Corrugated Steel Pipe 72" Corrugated Steel Pipe 78" Corrugated Steel Pipe 84" Corrugated Steel Pipe 84" Corrugated Steel Pipe Flared End Section (FES) RCP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) End Treatment- Headwall End Treatment- Cutoff Wall Curb Inlet (Type R) L=5', Depth < 5' Curb Inlet (Type R) L=5', 5' ≤ Depth < 10' Curb Inlet (Type R) L = 5', 10' ≤ Depth < 15' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', 5' ≤ Depth < 10' Curb Inlet (Type R) L = 10', 5' ≤ Depth < 10' Curb Inlet (Type R) L = 10', 5' ≤ Depth < 15' Curb Inlet (Type R) L = 15', Depth < 5' Curb Inlet (Type R) L = 15', Depth < 5' Curb Inlet (Type R) L = 15', 5' ≤ Depth < 10' Curb Inlet (Type R) L = 15', 5' ≤ Depth < 10' Curb Inlet (Type R) L = 15', 5' ≤ Depth < 10' Curb Inlet (Type R) L = 15', 5' ≤ Depth < 10' Curb Inlet (Type R) L = 15', 10' ≤ Depth < 15'	LF LF EA EA	\$ \$ \$	340.00 400.00 460.00	= = =	\$ \$ \$ \$	-		\$ \$ \$	- - -
72" Corrugated Steel Pipe 78" Corrugated Steel Pipe 84" Corrugated Steel Pipe 84" Corrugated Steel Pipe Flared End Section (FES) RCP Size = (unit cost - 6x pipe unit cost) Flared End Section (FES) CSP Size = (unit cost - 6x pipe unit cost) End Treatment- Headwall End Treatment- Wingwall End Treatment- Cutoff Wall Curb Inlet (Type R) L=5', Depth < 5' Curb Inlet (Type R) L=5', 5' ≤ Depth < 10' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 10' Curb Inlet (Type R) L = 10', Depth < 15' Curb Inlet (Type R) L = 15', Depth < 5' Curb Inlet (Type R) L = 15', Depth < 5' Curb Inlet (Type R) L = 15', Depth < 5' Curb Inlet (Type R) L = 15', Depth < 10' Curb Inlet (Type R) L = 15', Depth < 10' Curb Inlet (Type R) L = 15', Depth < 10' Curb Inlet (Type R) L = 15', Depth < 10' Curb Inlet (Type R) L = 15', Depth < 10' Curb Inlet (Type R) L = 15', Depth < 10'	LF LF EA EA	\$ \$	400.00 460.00	=	\$ \$ \$	-		\$ \$	-
78" Corrugated Steel Pipe 84" Corrugated Steel Pipe Flared End Section (FES) RCP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP Gunt Cost = 6x pipe unit cost) End Treatment- Headwall End Treatment- Wingwall End Treatment- Cutoff Wall Curb Inlet (Type R) L=5', Depth < 5' Curb Inlet (Type R) L=5', 5' ≤ Depth < 10' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 15' Curb Inlet (Type R) L = 15', Depth < 5' Curb Inlet (Type R) L = 15', Depth < 5' Curb Inlet (Type R) L = 15', Depth < 5' Curb Inlet (Type R) L = 15', Depth < 10' Curb Inlet (Type R) L = 15', Depth < 10' Curb Inlet (Type R) L = 15', Depth < 10' Curb Inlet (Type R) L = 15', Depth < 10'	LF LF EA EA	\$	460.00	=	\$ \$ \$	-		\$ \$	
84" Corrugated Steel Pipe Flared End Section (FES) RCP (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP (unit cost = 6x pipe unit cost) End Treatment- Headwall End Treatment- Cutoff Wall Curb Inlet (Type R) L=5', Depth < 5' Curb Inlet (Type R) L=5', 5' ≤ Depth < 10' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 5' Curb Inlet (Type R) L = 10', Depth < 10' Curb Inlet (Type R) L = 15', Depth < 15' Curb Inlet (Type R) L = 15', Depth < 5' Curb Inlet (Type R) L = 15', Depth < 5' Curb Inlet (Type R) L = 15', Depth < 10' Curb Inlet (Type R) L = 15', Depth < 10' Curb Inlet (Type R) L = 15', Depth < 10' Curb Inlet (Type R) L = 15', Depth < 10' Curb Inlet (Type R) L = 15', Depth < 10'	LF EA EA			=	\$	-		\$	
Flared End Section (FES) RCP Size = (unit cost = 6x pipe unit cost) Flared End Section (FES) CSP Size = (unit cost = 6x pipe unit cost) End Treatment- Headwall End Treatment- Wingwall End Treatment - Cutoff Wall Curb Inlet (Type R) L=5', Depth < 5' Curb Inlet (Type R) L =5', 5' ≤ Depth < 10' Curb Inlet (Type R) L =5', 10' ≤ Depth < 15' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', 5' ≤ Depth < 10' Curb Inlet (Type R) L =10', 10' ≤ Depth < 15' Curb Inlet (Type R) L =10', 10' ≤ Depth < 15' Curb Inlet (Type R) L =15', 5' ≤ Depth < 10' Curb Inlet (Type R) L =15', 5' ≤ Depth < 10' Curb Inlet (Type R) L =15', 5' ≤ Depth < 10' Curb Inlet (Type R) L =15', 5' ≤ Depth < 10' Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'	EA EA EA	4	330.00	=	\$				-
Flared End Section (FES) CSP Size = (unit cost = 6x pipe unit cost) End Treatment- Headwall End Treatment- Cutoff Wall Curb Inlet (Type R) L=5', Depth < 5' Curb Inlet (Type R) L =5', 5' ≤ Depth < 10' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', 5' ≤ Depth < 15' Curb Inlet (Type R) L =10', 5' ≤ Depth < 10' Curb Inlet (Type R) L =10', 10' ≤ Depth < 15' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', 10' ≤ Depth < 10' Curb Inlet (Type R) L =15', 10' ≤ Depth < 15' Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'	EA EA			=				\$	
(unit cost = 6x pipe unit cost) End Treatment- Headwall End Treatment- Cutoff Wall Curb Inlet (Type R) L=5', Depth < 5' Curb Inlet (Type R) L =5', 5' ≤ Depth < 10' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', 5' ≤ Depth < 10' Curb Inlet (Type R) L =10', 10' ≤ Depth < 15' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', Depth < 10' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', 10' ≤ Depth < 10' Curb Inlet (Type R) L =15', 10' ≤ Depth < 10' Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'	EA			=					
End Treatment- Wingwall End Treatment - Cutoff Wall Curb Inlet (Type R) L=5', Depth < 5' Curb Inlet (Type R) L=5', $5' \le Depth < 10'$ Curb Inlet (Type R) L =5', $10' \le Depth < 15'$ Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', $5' \le Depth < 10'$ Curb Inlet (Type R) L =10', $10' \le Depth < 15'$ Curb Inlet (Type R) L =15', $0' \le Depth < 15'$ Curb Inlet (Type R) L =15', $0' \le Depth < 10'$ Curb Inlet (Type R) L =15', $0' \le Depth < 10'$ Curb Inlet (Type R) L =15', $0' \le Depth < 10'$ Curb Inlet (Type R) L =15', $0' \le Depth < 10'$					\$			\$	-
End Treatment- Wingwall End Treatment - Cutoff Wall Curb Inlet (Type R) L=5', Depth < 5' Curb Inlet (Type R) L=5', $5' \le Depth < 10'$ Curb Inlet (Type R) L =5', $10' \le Depth < 15'$ Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', $5' \le Depth < 10'$ Curb Inlet (Type R) L =10', $10' \le Depth < 15'$ Curb Inlet (Type R) L =15', $0' \le Depth < 15'$ Curb Inlet (Type R) L =15', $0' \le Depth < 10'$ Curb Inlet (Type R) L =15', $0' \le Depth < 10'$ Curb Inlet (Type R) L =15', $0' \le Depth < 10'$ Curb Inlet (Type R) L =15', $0' \le Depth < 10'$				=	\$	-	3600	\$	-
End Treatment - Cutoff Wall Curb Inlet (Type R) L=5', Depth < 5' Curb Inlet (Type R) L=5', $5' \le Depth < 10'$ Curb Inlet (Type R) L =5', $10' \le Depth < 15'$ Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', $5' \le Depth < 10'$ Curb Inlet (Type R) L =10', $10' \le Depth < 15'$ Curb Inlet (Type R) L =15', $10' \le Depth < 5'$ Curb Inlet (Type R) L =15', $5' \le Depth < 10'$ Curb Inlet (Type R) L =15', $5' \le Depth < 10'$ Curb Inlet (Type R) L =15', $10' \le Depth < 15'$	EA			=	\$	-	White the same	\$	
Curb Inlet (Type R) L=5', Depth < 5' Curb Inlet (Type R) L=5', 5' ≤ Depth < 10' Curb Inlet (Type R) L =5', 10' ≤ Depth < 15' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', 5' ≤ Depth < 10' Curb Inlet (Type R) L =10', 10' ≤ Depth < 15' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', 5' ≤ Depth < 10' Curb Inlet (Type R) L =15', 10' ≤ Depth < 15' Curb Inlet (Type R) L =15', 10' ≤ Depth < 10' Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'	EA			=	\$	-		\$	-
Curb Inlet (Type R) L=5', 5' ≤ Depth < 10' Curb Inlet (Type R) L =5', 10' ≤ Depth < 15' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', 5' ≤ Depth < 10' Curb Inlet (Type R) L =10', 10' ≤ Depth < 15' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', 5' ≤ Depth < 10' Curb Inlet (Type R) L =15', 10' ≤ Depth < 15' Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'	EA	\$	5,542.00	-	\$	•		\$	-
Curb Inlet (Type R) L =5', 10' ≤ Depth < 15' Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', 5' ≤ Depth < 10' Curb Inlet (Type R) L =10', 10' ≤ Depth < 15' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', 5' ≤ Depth < 10' Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'	EA	\$	7,188.00	=	\$			\$	-
Curb Inlet (Type R) L =10', Depth < 5' Curb Inlet (Type R) L =10', 5' ≤ Depth < 10' Curb Inlet (Type R) L =10', 10' ≤ Depth < 15' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', 5' ≤ Depth < 10' Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'	EA	\$	8,345.00	=	\$			\$	
Curb Inlet (Type R) L =10', 5' ≤ Depth < 10' Curb Inlet (Type R) L =10', 10' ≤ Depth < 15' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', 5' ≤ Depth < 10' Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'	EA	\$	7,627.00	=	\$			\$	
Curb Inlet (Type R) L =10', 10' ≤ Depth < 15' Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', 5' ≤ Depth < 10' Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'	EA	\$	7,861.00					\$	
Curb Inlet (Type R) L =15', Depth < 5' Curb Inlet (Type R) L =15', 5' ≤ Depth < 10' Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'	The same of the sa			=	\$				<u> </u>
Curb Inlet (Type R) L =15', 5' ≤ Depth < 10' Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'	EA	\$	9,841.00	=	\$			\$	
Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'	EA	\$	9,918.00		\$		(477-1-11 6-11 1-12 1-12 1-12 1-12 1-12 1-12	\$	-
	EA	The second second second	10,633.00	=	\$			\$	-
	EA		11,627.00	=	\$			\$	-
Curb Inlet (Type R) L =20', Depth < 5'	EA	\$	10,570.00	=	\$			\$	-
Curb Inlet (Type R) L =20', 5' ≤ Depth < 10'	EA	\$	11,667.00	=	\$	-	Service of the	\$	-
Grated Inlet (Type C), Depth < 5'	EA	\$	4,640.00	=	\$	-		\$	-
Grated Inlet (Type D), Depth < 5'	EA	\$	5,731.00	=	\$	-		\$	-
Storm Sewer Manhole, Box Base	EA	\$	11,627.00	=	\$	-		\$	-
Storm Sewer Manhole, Slab Base	EA	\$	6,395.00	=	\$		The Control	\$	-
Geotextile (Erosion Control)	SY	\$	6.00	=	\$	-		\$	-
Rip Rap, d50 size from 6" to 24"	Tons		80.00	-	\$	-		\$	-
Rip Rap, Grouted	Tons		95.00	=	\$	_		\$	-
Drainage Channel Construction, Size (W x H)	LF	1	55.00		\$			\$	-
Drainage Channel Lining, Concrete		\$	570.00					\$	
	CY		570.00		\$				
Drainage Channel Lining, Rip Rap	CY	\$	112.00		\$			\$	
Drainage Channel Lining, Grass	AC	\$	1,469.00		\$	-		\$	-
Drainage Channel Lining, Other Stabilization					\$	-		\$	-
				=	\$	•		\$	-
[insert items not listed but part of construction plans] Subject to defect warranty financial assurance. A minimum of 20% shall				=	\$	-	10000 1785	\$	

	PROJECT INFORMATION	THE RESERVE THE PARTY OF THE PA
Guleagle Supply Storage Yard	7/1/2019	PPR1911
Project Name	Date	PCD File No.

				Unit				(with Pre	-Plat Cor	struction)
Description	Quantity	Units		Cost		Total	9/	Complete	R	emaining
SECTION 3 - COMMON DEVELOPMENT IMPRO	OVEMENTS (Priv	ate or Dis	stric	t and NOT	Mainta	ined by EPC)**	- Andrews		_	
ROADWAY IMPROVEMENTS										
			I ar		=	\$	-		\$	
					=	\$	-		\$	
					=		- 186		\$	
				in Smile	=	\$	-		\$	/-
					=	\$	-		\$	
					=		-		\$	
STORM DRAIN IMPROVEMENTS (Exce	ption: Permanent Por	nd/BMP shall	be ite	emized under	Section 1)				
			9		=	\$	- 18		\$	
					-		- 1		\$	
					=		- 5		\$	
					=		-		\$	
					=	\$	- 18		\$	
					=		-		\$	
NATER SYSTEM IMPROVEMENTS										
Water Main Pipe (PVC), Size 8"		LF	\$	64.00	=	\$	- 8	37/4-12	\$	
Water Main Pipe (Ductile Iron), Size 8"		LF	\$	75.00	=	\$	-		\$	
Gate Valves, 8"		EA	\$	1,858.00	=	\$	- 1		\$	
Fire Hydrant Assembly, w/ all valves		EA	\$	6,597.00	=	\$	-		\$	
Water Service Line Installation, inc. tap and valves		EA	\$	1,324.00	=	\$	-		\$	
Fire Cistern Installation, complete		EA			=	\$	- 8		\$	
			160		=	\$	- 1		\$	
[insert items not listed but part of construction plans]					=	\$	- 3		\$	
SANITARY SEWER IMPROVEMENTS										
Sewer Main Pipe (PVC), Size 8"		LF	\$	64.00	=	\$	-		\$	
Sanitary Sewer Manhole, Depth < 15 feet		EA	\$	4,386.00	=	\$	-		\$	
Sanitary Service Line Installation, complete		EA	\$	1,402.00	=	\$	- 8		\$	
Sanitary Sewer Lift Station, complete		EA			=	\$	-		\$	
					=	\$	-		\$	
[insert items not listed but part of construction plans]					=	\$	- 6		\$	
ANDSCAPING IMPROVEMENTS	(For subdivision spe	ecific conditio	n of a	approval, or Pl	UD)					
		EA	1/15		=	\$	-		\$	
		EA			=	\$	- 10		\$	
		EA			=	\$	-		\$	
		EA			=	\$	-		\$	
		EA			=	\$	-		\$	
* - Section 3 is not subject to defect warranty requirements		Section	on 3	Subtotal	=	\$ -	100		\$	-

	PROJECT INFORMATION	
Guleagle Supply Storage Yard	7/1/2019	PPR1911
Project Name	Date	PCD File No.

			Unit				(with Pre	e-Plat	Construction)
Description	Quantity	Units	Cost		NA PERSONAL PROPERTY.	Total	% Complete		Remaining
AS-BUILT PLANS (Public Improvements inc. Perma	anent WQCV BMPs)	LS		=	\$	_		\$	_
POND/BMP CERTIFICATION (inc. elevations and vo	olume calculations)	LS		=	\$	-		\$	
				Tota	al Constru	ction Financia	I Assurance	¢	30,441.48
			(Sum of all sect			builts and pond/Bi			30,441.40
			(Sum of all sect struction Finance als less credit for ite	tion subto	otals plus as- surance (v	builts and pond/Bi	MP certification) onstruction)	\$	30,441.48

Approvals

I hereby certify that this is an accurate intermible estimate of control plan and Construction Drawings associated with the Project.

31672

Engineer (P.E. Seal Required)

Approved by Swiney Applicant

APPROVED

Engineering Department

Date

07/16/2019 6:12:01 PM dsdnijkamp

EPC Planning & Community Development Department