2023 Financial Assurance Estimate Form

(with pre-plat construction)

	P	ROJECT	INFORMATION					
ritsheffel Segment M2 - County Only			8/14/2023		CDR-22-19			
oject Name			Date			PCD File No.		
			Unit			at Construction)		
scription	Quantity	Units	Cost		Total	% Complete	Remaining	
CTION 1 - GRADING AND EROSION CONTROL	(Construction	and Perma	ment BMPs)					
Earthwork	State States							
less than 1,000; \$5,300 min		CY	\$ 8 00	-	1 35 D	5		
1,000-5,000; \$8,000 min	4,241	CY	\$ 6.00	-	\$ 25,446.00	5	25,446	
5,001-20,000; \$30,000 min		CY	\$ 500	-	15 a d	5		
20,001-50,000; \$100,000 mm		CY	\$ 3.50		\$ ·	5		
50,001-200,000; \$175,000 min		CY	\$ 2.50	-	1	\$		
greater than 200,000, \$500,000 min		CY SY	\$ 2.00 \$ 8.00	-	\$	5		
Permanent Erosion Control Blanket	1.2	AC	\$ 8.00 \$ 1.875.00	5	\$ 2,250.00		2,250	
Permanent Seeding (inc. noxlaus weed mgmnt.) & Mulching	1.2	EA	a 1,675.00	-	\$ 2,230,00		2,230	
Permanent Pond/BMP (provide engineer's estimate)	1	EA	\$ 1089.00	÷.	\$ 1,089.00		1,089	
Concrete Washout Basin nlet/Outlet Protection		EA	\$ 202.00	-	\$ 404.00		404	
Rock Check Dam	4	EA	\$ 605.00		\$ ULTUP		101	
		LF	\$ 3.00	-	5			
ialety Fence Iediment Basin		EA	\$ 2 132.00	Ţ.	132			
Sediment Basin		EA	\$ 500.00		5			
it Fence	2,064	LF	\$ 300		\$ 6,192.00		6,197	
Roce Drain	2,004	LF	\$ 40.00	-	\$ 0,172.00			
iraw Bale		EA	\$ 31.00		s (8)	15		
iraw Wattle/Rock Sock		LF	\$ 7.00		\$			
Surface Roughening		AC	\$ 250.00					
Temporary Erosion Control Blanket		SY	\$ 3.00	2) is		
emporary Seeding and Mulching		AC	\$ 1.666.00	-		s		
/ehicle Tracking Control	1	EA	\$ 2,867.00	-	\$ 7,867.00	5	2,86	
					1 C			
CTION 2 - PUBLIC IMPROVEMENTS *								
					A CONTRACTOR OF A			
		15	\$ 5,000.00	-	\$			
Construction Traffic Control		1.S Tons	\$ 5,000.00 \$ 34.00		\$	5		
Construction Traffic Control Aggregate Base Course (135 lbs/cf)					\$			
Construction Traffic Control Aggregate Base Course (135 fbs/cf) Aggregate Base Course (9") (135 fbs/cf)		Tons	\$ 34.00		\$ \$ \$	\$		
Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (9") (135 lbs/cf) Asphalt Pavement (3" thick)		Tons CY	\$ 34.00 \$ 61.00	:	\$ \$ \$ \$	5		
Construction Traffic Control Aggregate Base Course (135 fbs/cf) Aggregate Base Course (9") (135 fbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick)		Tons CY SY	\$ 34.00 \$ 61.00 \$ 17.00		\$	5		
Construction Traffic Control Aggregate Base Course (135 fbs/cf) Aggregate Base Course (9") (135 fbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick)		Tons CY SY SY	\$ 34.00 \$ 61.00 \$ 17.00 \$ 23.00	:	\$	\$		
Construction Traffic Control Aggregate Base Course (135 fbs/cf) ggregate Base Course (9") (135 fbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Asphalt Pavement (147 lbs/cf)" thick		Tons CY SY SY SY	\$ 34.00 \$ 61.00 \$ 17.00 \$ 23.00 \$ 35.00	-	\$ \$ \$ \$ \$ \$ \$ \$ \$	\$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		
Construction Traffic Control lygregate Base Course (135 fbs/cf) lygregate Base Course (9") (135 fbs/cf) lyghett Pavement (3" thick) lyghatt Pavement (4" thick) lyghatt Pavement (6" thick) lyghatt Pavement (147 lbs/cf)" thick Raised Median, Paved		Tons CY SY SY SY Tons	\$ 34.00 \$ 61.00 \$ 17.00 \$ 23.00 \$ 35.00 \$ 106.00	-	\$ \$ \$ \$ \$ \$ \$ \$ \$	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		
Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (9") (135 lbs/cf) Aggregate Base Course (9") (135 lbs/cf) Asphalt Pavement (3" lhick) Asphalt Pavement (4" lhick) Asphalt Pavement (6" lhick) Asphalt Pavement (147 lbs/cf)* thick Resultatory Sign/Advisory Sign		Tons CY SY SY SY Tons SF	\$ 34.00 \$ 61.00 \$ 17.00 \$ 23.00 \$ 35.00 \$ 106.00 \$ 19.00	-	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		
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Construction Traffic Control Aggregate Base Course (135 lbs/cf) Aggregate Base Course (9") (135 lbs/cf) Asphalt Pavement (3" lhick) Asphalt Pavement (6" lhick) Asphalt Pavement (6" lhick) Asphalt Pavement (147 lbs/cf) "" thick Regulatory Sign/Advisory Sign Guide/Street Name Sign Spoxy 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) 4" Sidewalk (common areas only) 5" Sidewalk 8" Sidewalk (6 fl. and 10 fl.) 8" Sidewalk Pedestrian Ramp Cross Pan, local (8" thick, 6' wide to include return) Curb Opening with Drainage Chase Guardrail Type 3 (W-Beam) Guardrail End Anchorage Guardrail End Anchorage Guardrail End Anchorage		Tons CY SY SY ST SF A A F F A A F F A A F F A A F F A A F F A A F F A A F F A A F F A A F F A A F F A SY F Y SY SY SY SY SY SY SY SY SY SY S F A SY SY SY SY SY S F A S F F A S F F A S F F A S F F A S F F A S F F A S F F S F S	\$ 34.00 \$ 61.00 \$ 17.00 \$ 23.00 \$ 35.00 \$ 106.00 \$ 10.00 \$ 364.00 \$ 28.00 \$ 241.00 \$ 28.00 \$ 241.00 \$ 29.00 \$ 35.00 \$ 37.00 \$ 116.00 \$ 1.390.00 \$ 73.00 \$ 11790.00 \$ 6.000 \$ 73.00 \$ 17.000 \$ 73.00 \$ 17.000 \$ 1.790.00 \$ 5.700 \$ 5.700 \$ 5.73.00 \$ 5.73.0		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			
Construction Traffic Control Aggregate Base Course (135 fbs/cf) Aggregate Base Course (9") (135 fbs/cf) Asphalt Pavement (3" thick) Asphalt Pavement (4" thick) Asphalt Pavement (6" thick) Asphalt Pavement (147 lbs/cf)* thick Regulatory Sign/Advisory Sign Suide/Siteet Name Sign Suide/Siteet Name Sign Spoxy Pavement Marking Barricade - Type 3 Defineator - Type I Curb and Gutter, Type A (6" Vertical) Curb and Gutter, Type C (Ramp) 4" Sidewalk (6 fil and 10 ft.) 5" Sidewalk Pedestrian Ramp Cross Pan, local (6" thick, 6" wide to include return) Curb Opening with Drainage Chase Guardrail Type 7 (Concrete) Guardrail Type 7 (Concrete) Guardrail Emport Attenuator Sound Barrier Fence (CMU block, 6' high)		Tons CY SY SY ST SF EA EA EA EF EA EF LF Y Y YY EA F F A F F A F F A F F A F F A A F F F A A F F A A F F A A F F A A F F A A SF F A ST F A ST ST F A ST ST ST ST A ST A	\$ 34.00 \$ 61.00 \$ 17.00 \$ 23.00 \$ 35.00 \$ 106.00 \$ 10.00 \$ 364.00 \$ 28.00 \$ 241.00 \$ 28.00 \$ 241.00 \$ 29.00 \$ 35.00 \$ 37.00 \$ 116.00 \$ 1.390.00 \$ 73.00 \$ 11790.00 \$ 6.000 \$ 73.00 \$ 17.000 \$ 73.00 \$ 17.000 \$ 1.790.00 \$ 5.700 \$ 5.700 \$ 5.73.00 \$ 5.73.0		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			
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	PROJECT INFORMATION	
Marksheffel Segment M2 - County Only	8/14/2023	CDR-22-19
Project Name	Date	PCD File No.

	Durmeiling	1 km Sha	Unit			Total	(with Pre-Plat Construction) % Complete Remaining		
escription	Quantity	Units	Cost	2		Total	We Complete	\$	
insert kems not issted but part of construction plans				-	5	-		5	
ORM DRAIN IMPROVEMENTS				-				1	
		LF		_	5			\$	
Concrete Box Culvert (M Standard), Size (W x H)	76	LF	6 76.00	_	*	5,776.00		ŝ	5,776.08
18" Reinforced Concrete Pipe	76		\$ 76.00	-	15	5,770.00		1 °	1, × × 12,01
24* Reinforced Concrete Pipe		LF	\$ 91.00	=	\$	•		5	
30" Reinforced Concrete Pipe		LF	\$ 114.00	=	\$	-		\$	5,0
36" Reinforced Concrete Pipe		LF	\$ 140.00	=	\$	-		\$	8
42" Reinforced Concrete Pipe		LF	\$ 187.00		\$	•		\$	
48" Reinforced Concrete Pipe		LF	\$ 228.00	-	\$			\$	
54" Reinforced Concrete Pipe		LF	\$ 297.00	=	\$	•		5	- 4
60" Reinforced Concrete Pipe		LF	\$ 348.00	-	\$			5	
66" Reinforced Concrete Pipe		LF	\$ 402.00	-	\$			5	
72" Reinforced Concrete Pipe		LF	\$ 460.00	-	\$	-		\$	ίŤ.
18" Corrugated Steel Pipe		LF	\$ 98.00	=	\$	•		\$	
24" Corrugated Steel Pipe		LF	\$ 112.00	-	ŝ	-		\$	
30" Corrugated Steel Pipe		LF	\$ 143.00	=	ŝ			s .	
36" Corrugated Steel Pipe		LF	\$ 171.00	=	ŝ			s .	
-		LF	\$ 197.00	-	ŝ	_		s .	5 a.
42" Corrugated Steel Pipe		LF		-	ŝ	_	f la faire de la companya de la comp	s .	
48" Corrugated Steel Pipe					*	-		ŝ	
54" Corrugated Steel Pipe		LF	\$ 304.00	=	\$	•	and the second	1.1	
60" Corrugated Steel Pipe		LF	\$ 328.00	=	\$	-		5	
66" Corrugated Steel Pipe		LF	\$ 397.00	=	\$	-	and the second sec	5	1.5
72" Corrugated Steel Pipe		LF	\$ 467,00		\$	•		\$	
78" Corrugated Steel Pipe		LF	\$ 537.00	-	5	-		\$.+
84" Corrugated Steel Pipe		LF	\$ 642.00	-	\$	•		5	0 X
Flared End Section (FES) RCP Size = 18 (une cost = 5) ppe unit cost)		EA	\$ 400.00	=	\$	-		\$	24
Flared End Section (FES) CSP Size =			\$ 500.00	-	\$			5	
(une cost = 6 a pipe unit cost) 24		EA			•				
End Treatment- Headwall		EA		=	\$	•		1.	
End Treatment- Wingwall		EA		=	\$		-	\$	
End Treatment - Culoff Wall		EA		=	\$	-		\$	12
Curb Inlet (Type R) L=5', Depth < 5'		EA	\$ 6,703_00	-	\$	-		1 \$	
Curb iniet (Type R) L≈5', 5' ≤ Depth < 10'		EA	\$ 8,715.00	-	\$	•		\$	
Curb Iniel (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'		ËA	\$ 9,507.00	=	5			5	21
Curb Intet (Type R) L =10', 10' ≤ Depth < 15'		EA	\$ 11,901.00	-	\$			\$	
Curb Inlet (Type R) L =15', Depth < 5'		EA	\$ 11,995.00		ŝ			5	
Curb inlet (Type R) L =15', 5' ≤ Depth < 10'		EA	\$ 12,858.00	=	lli≩ −	100		5	
Curb Inlet (Type R) L =15', 10' ≤ Depth < 15'		EA	\$ 14,061.00	1.4	III Š			s	1.4
		EA	\$ 12,783.00	-	5	23		s	
								s.	1.1.4
Curb Inlet (Type R) L =20', 5' ≤ Depth < 10'		EA	\$ 14,109.00			3		ŝ	100
Grated Inlet (Type C). Depth < 5'		EA	\$ 5,611.00	-	\$			1 1	
Grated Inlet (Type O). Depth < 5'		EA	\$ 6,931.00	-	\$		- H	\$	
Storm Sewer Manhole, Box Base		EA	\$ 14,061.00	=	<u></u>			\$	
Storm Sewer Manhole, Stab Base		EA	\$ 7,734.00	=	\$			\$	
Geotextile (Erosion Control)		SY	\$ 8.00	=	\$			\$	
Rip Rap. d50 size from 6" to 24"		Tons	\$ 97.00	=	\$	20		\$	
Rip Rap, Grouled		Tons	\$ 115.00		\$			\$	-
Drainage Channel Construction, Size (W x H)		LF	\$ >>	230	\$			\$	
Drainage Channel Lining, Concrete		CY	\$ 689.00		ŝ			15	2
Drainage Channel Lining, Rip Rap		CY	\$ 135.00		ŝ			ŝ	
Drainage Channel Lining, Grass		AC	\$ 1,776.00	Ē	ŝ			ŝ	
		AU.	5 1,770.00		5	2		ŝ	
Drainage Channel Lining, Other Stabilization				0.000	-	6		1.1	3
Parallel and the second s				-	\$			\$	
[insert items not failed but part of construction plans]				=	\$			\$	
Subject to defect warranty financial assurance. A minimum of 20% shall retained until \$nal acceptance (MAXIMUM OF 80% COMPLETE.		Sac41	on 2 Subtotal	=	\$	5,776.00		\$	5,776.0

		PROJECT		DRMATION	1				
Marksheffel Segment M2 - County Only			8/1	4/2023	CDR-22-19				
Project Name			D.	ite				PCD File No.	
		Linit						(with Pre-f	Nat Construction)
Description	Quantity	Units		Cost	-		Total	% Complete	Remaining
SECTION 3 - COMMON DEVELOPMENT IMP	ROVEMENTS (Pri	vate or Di	stric	t and NOT	Mainta	ined by	/ EPC)**		
ROADWAY IMPROVEMENTS							10.00		
					=	\$. a		24
					-	\$		1	5 N
					+	\$	1.00		E Ge
						\$	1.2		3
					=	\$			
					100	\$	1.00		÷
TORM DRAIN IMPROVEMENTS	ception. Permanent Pol	nd/BMP shall	be ite	mized under !	Section 1				
					= "	\$			
					-	\$. F	1	1 I I I I I I I I I I I I I I I I I I I
					-	\$			(5)
					-	\$		1	-
						\$			•
					=	\$	1.6		1 (N
VATER SYSTEM IMPROVEMENTS									
Water Main Pipe (PVC), Size 8"		LF	\$	78.00	-	\$			5 L L L
Water Main Pipe (Ductile Iron), Size 6"		LF	\$	91.00	-	\$	100		i (* 12
Gale Valves, 8"		EA	\$	2,247.00	-	\$			5 E
Fire Hydrant Assembly, w/ all valves		ÉA	\$	7,978.00	-	\$			5
Water Service Line Installation, inc. tap and valves		EA	\$	1,601.00	-	\$			- E
Fire Cistern Installation, complete		-EA			-	\$			s
					-	\$			\$
Fraen dems not insted but part of construction plans					=	ŝ			្រ
SANITARY SEWER IMPROVEMENTS									
Sewer Main Pipe (PVC), Size 8"		LF	s	78.00	-	\$			\$
Sanitary Sever Manhole, Depth < 15 feel		EA	Ś	5,305.00	=	\$			
Santary Service Line Installation, complete		EA	Ś	1,696.00	-	ŝ			s (2
Sanitary Sewer Lift Station, complete		EA			-	5			s –
					-	ŝ			s Si
Insert items not usted but part of construction plans!					-	ŝ	*.		\$
ANDSCAPING IMPROVEMENTS	(For subdiv sion sp	ecific condite	n of a	approval P	UDi	·			
	2.02	EA		· · .	=	\$		710 100	\$ 20
		EA			-	\$			s 84
		EA			\sim	\$			s ::::
		EA				ŝ	1		s 3
		EA			-	ŝ	-		\$
Section 1 is net subject to defect war anty requirements				Subtotal	=	· ·			

				ORMATIO 14/2023				C	R-22-19		
Marksheffel Segment M2 - County Only Project Name			_	ate			PCD File No.				
					2						
		14-14-		Unit			Total	(with Pre-F % Complete	tat Construction) Remaining		
Description (uantity	Units	-	Cost			Total	% Compete	Kananning		
AS-BUILT PLANS (Public Improvements inc. Permanent WQCV E	MPs)	LS	s	5,000.00	=	\$	5,000.00	\$	5 000 (
POND/BMP CERTIFICATION (inc. elevations and volume calculat		LS			з	\$	-	\$			
·									22 X X		
								al Assurance	52,336.0		
			(Sum of all sec	tion subl	stais plus	as-builts and pond/l	3MP certification)			
ា	stal Remai	ning Cons	struc	tion Finan	cial As:	surance	(with Pre-Plat (Construction)	\$ 52,336.0		
							as-builts and pond/l				
							·				
								al Assurance	\$ 6,694.4		
	((20% of all its	ems k	dentified as (*) To be c	ollateraliz	initerq to emit ta be	nary acceptance)			
							- CP2	anne			
Approvals							COMAD	LICENO			
						1.000	RO' R	BAL			
I hereby certify that this is an accurate and complete estimate of c	osts for the	work as show	wn on	the Grading	and tros	OR CONTR	a pian-ang- apistro	cuou antentinte ana	ted with the Proje		
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							2 ÷ 35	214 🐨	82		
1014						Ę	31 32	2314	500		
MII R. I.A						5		2314 /1 4/23	San		
Meh Bulit		- 1				ę	3.	2314 /1 4/23	Sand		
Engineer (P. E. Seal Required)		-			1	ę		2314	Sand		
Engineer (P.E. Seal Required)		-		ol.	1-	•	33 8/ 8/ 8/ 8/ 8/	2314 /1 4/23 VAL ENG	STORE		
Engineer (P.E. Seal Required)		- 6		8/14	1/2	23	980(ESS/0)	2314 14/23 VAL ENGINE	STORE		
Engineer ("E. Seal Required) According to Baller Andrew Harley			D	8/14	() z	-3	PROFESSIO	2314 14/23 VAL ENGINE	Sand		
Agorburd by Marker / Applicant		. 0	D	8/14	() z	23	PROFESSIO	2314 14/23 VAL ENGINE	Sand		
Agenting to Maria Harris		-	D	8/14	() z	-3	PROFESSION	2314 /14/23 VAL ENGINE	Sand		
Approved		=0 =0	D	8/14	() z	-3	33 380/ESS10	2314 /14/23 VAL ENGINE			
Approved by By: Gilbert LaForce, P.E.		=0 =0		8-/14 Dec /14	() z	-3	33 730755510	2314 /14/23 VAL ENGINE			
Approved by By: Gilbert LaForce, P.E. Engineering Manager)	- 2	0	8-/14 ate	() z	-3	35 8/ 8/ 8/ 8/ 8/ 8/ 8/ 8/ 8/ 8/ 8/ 8/	2314 /14/23 VAL ENGINE			
Approved by By: Gilbert LaForce, P.E.)	- 2 - 2 - 2	0	8/14 bre/14	() z	-3	35 8/ 8/ 8/ 8/ 8/ 8/ 8/ 8/ 8/ 8/ 8/ 8/ 8/	2314 /14/23 VAL ENGINE			