DRAINAGE BASIN FEE ADJUSTMENT – SAND CREEK DRAINAGE BASIN

FOR

RETREAT AT TIMBERRIDGE FILING NO. 3

EL PASO COUNTY, CO

Prepared for:

Timberridge Development Group, LLC 2138 Flying Horse Club Drive Colorado Springs, CO 80921 (719) 592-9333

Prepared By:

Classic Consulting Engineers & Surveyors, LLC 619 N. Cascade Ave. Suite 200 Colorado Springs, CO 80903

(719) 785-0790

Job Number: 1185.30



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September 23, 2024

El Paso County Department of Public Works 2880 International Circle Colorado Springs, CO 80910

Attn: Elizabeth Nijkamp, Deputy County Engineer

RE: Drainage Basin Fee Adjustment Request for Timberridge Development Group, LLC Retreat at Timberridge Filing No. 3 East of Vollmer Road along Arroya Lane (Sand Creek Drainage Basin), El Paso County, CO

Dear Elizabeth:

The purpose of this Sand Creek Drainage Basin Fee Adjustment Request is to increase the Sand Creek Drainage Basin Fee to reflect updated costs from Contractor bidding for the Arroya Lane Box Culvert Crossing at Reach SC-9, Segment 171.

PROJECT DESCRIPTION

The Retreat at Timberridge Filing No. 3 Community is located in portions of the Section 21, 22, 27 and 28, Township 12 South, Range 65 West of the sixth Principal Median, within the County of El Paso, State of Colorado. The proposed 100 -year drainage flow crossing of Arroya Lane at Sand Creek is what is triggering this request.

The proposed Retreat at Timberridge Filing No. 3 Plat consists of public roads and rural and urban residential lots.

The proposed plat is north of the Filing No. 2 Antelope Ravine Drive and Elk Antler Lane intersection, and south of Arroya Lane (the "Site") in El Paso County, Colorado.

As defined in Table VIII-4 "Sand Creek Drainage Basin Planning Study – Roadway Culvert Crossing Cost Estimate – Sand Creek Basins", the Arroya Lane Crossing is not reflected as a reimbursable cost due to the proposed 6'x12' concrete box culvert was not identified as a 100-year facility (only 10-year facility was proposed). As a 100-year conveyance drainage facility was required by El Paso County, the proposed double 6'x12' concrete box culvert is now being proposed as a fully reimbursable expense. As the facility was not reimbursable, referencing the costs of DBPS proposed 10-year facility will not be analyzed. See attachments from DBPS attached to this request.

DRAINAGE FEES AND REIMBURSABLE COSTS

Reimbursable Costs

The Sand Creek drainage improvements at the Arroya Lane Crossing of Sand Creek are fully approved and bid.

The Request is to reflect the bid costs associated with the Arroya Lane 100-Year Crossing and increase the Drainage Basin Fee by the bid costs.

The process is:

- 1. Drainage fee adjustment request application provided to El Paso County.
 - o Request presented and approved at the Drainage Board
 - Request sent to El Paso County Board of County Commissioners

The current 2024 Sand Creek Drainage Fee is **\$23,821** per impervious acre. The remaining unplatted area within the Sand Creek Drainage Basin as determined by El Paso County as 2,755 acres with a 36.5% average imperviousness.

The resultant Drainage Fees that could be collected is now $$23,821 \times 2,755$ Ac (x 36.5% imp) = \$23,952,802, by adding in the Arroya Lane Crossing costs from the Contractor bid of \$762,886, the resultant overall drainage costs are \$24,716,688 which results in a proposed drainage fee of \$24,580, an increase of \$759/impervious acre.

The increase in Drainage Basin Fee, if approved, would apply to the remaining El Paso County unplatted parcels within the Drainage Basin (2,755 acres).

emaining unplatted parcels in Sand Creek Basin	Area (ac)	Current 2024 Drainage Fee / Impervious Acre	Current Drainage Fee Total with 36.5% Imperviousness	100-Year Facility Cost (Arroya Lane Crossing)	Proposed Drainage Fee/Impervious Acre	Proposed Basin Fee Increase
20011	2755	\$23,821	\$23,953,802.00	\$762,886.00	\$29 <i>,</i> 580	\$759.00

Table 3: Drainage Fee Increase Summary

PROPOSED DRAINAGE BOARD MOTIONS

Classic Consulting Engineers and Surveyors, LLC (CCES). ("Project Engineer") and Timberridge Development Group, LLC ("Owner") would like to present the following motion to the City of Colorado Springs/El Paso County Drainage Board for review and recommendation for approval.

- Move to revise the Sand Creek Drainage Basin Fee from \$23,821 to \$xxx. An increase of \$xxx per acre.
 - If approved, this increase in the Drainage Basin Fee would apply to 2,755 acres (1,006 impervious acres) of remaining unplatted property within the Sand Creek Drainage Basin, as provided by El Paso County.

CONCLUSION

This Drainage Basin Fee Adjustment Request amends the previously approved Sand Creek Drainage Fee to reflect the actual Sand Creek Crossing Costs at Arroya Lane and will cause an increase in the Drainage Basin Fee of \$759.

Sincerely,

Classic Consulting Engineers & Surveyors, LLC

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Kyle R. Campbell, P.E. Owner **DBPS COST / FACILITIES**

TABLE VIII-4:	SAND CREEK DRAINA ROADWAY CULVERT SAND CREEK BASINS	SAND CREEK DRAINAGE BASIN PLANNING STUDY ROADWAY CULVERT CROSSING COST ESTIMATE SAND CREEK BASINS	NNING STUDY T ESTIMATE					
ROADWAY	REACH	DRAINAGEWAY	CROSSING	HLDNETI	UNIT	UNIT	TOTAL	TOTAL
	NUMBER	SEGMENT	TYPE			COST	COST	REIMBURSABLE
								COST
BANNING-I EWIS PRKW	SC.8	186	6'H±10'W CRC	120	1.F	3 390	\$46.800	\$46.800
ARROYO LANE	SC-9	1/1	6'Hx12'W CBC	80	T	\$510	\$40,800	30
VOLLMER ROAD	SC-8	169	60-INCH CMP	80	Ŀ	\$120	\$9,600	3 0
	SC-9	173		80	LF	\$ 120	\$9,600	\$0
BURGESS ROAD	SC-9	176	42-INCH CMP	80	LF	\$ 75	\$6,000	80
	SC-9	178	2-42-INCH CMP	80	ГĿ	\$150	\$12,000	05
		CENTER TRIBUTARY						
TERMINAL A VENUE	CT-2	144	4-5'Hx8'W CBC	99	ц	\$1,200	\$72,000	\$0
OMAHA BOULEVARD	CT-2	146-2	3-4'Hx9'W CBC	80	ц	\$900	\$72,000	S 0
		WEST FORK SAND CREEK	IEK					
WOOTEN ROAD	WF-1	153	2-4'Hx6'W CBC	100	Ц	\$480	\$48,000	3 0
EDISON AVENUE	WF-1	153	2-4'Hx6'W CBC	99	Ľ,	\$240	\$14,400	3 0
PALMER PARK BLVD.	WF-1	154-2	2-4'Hx10'W CBC	80	Ъ	\$540	\$43,200	3 0
CHICAGO RI RR	WF-1	165-1	4'Hx8'W CBC	220	Ľ	\$270	\$59,400	3 0
HALF MOON DRIVE	WF-1	165-2	4'Hx6'W CBC	09	Ŀ	\$240	\$14,400	2 0

TOTAL CULVERT CONSTRUCTION COSTS, SAND CREEK

\$1,111,000

\$1,902,600

77

100-YEAR ARROYA LANE CROSSING BID SUMMARY

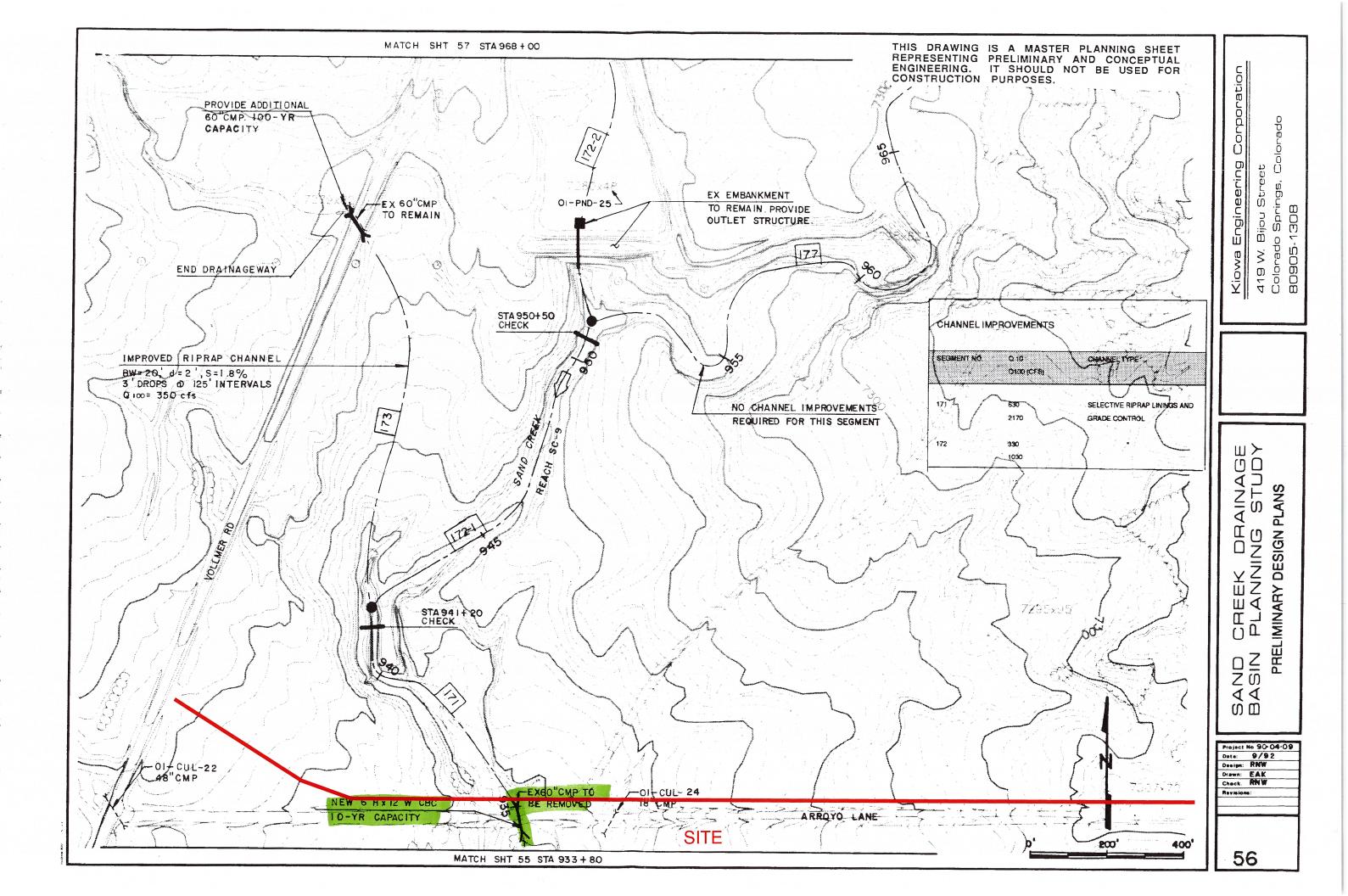
	TimberRidge Arroya Lane - Double					I		
	Box Culvert (6'x12')				Later			
Job #:	Box Culvert (6 x 12)				Lots: Acres:		-	
	Adam Doyle	DU/AC:			Acres:		-	
Dy. Date:	September 30, 2024	CL:	-					
Revised:		Lots:	-					
			_					
ESTIMATE		<u> </u>				-		
Item # d1000	Item PLANNING	Quantity 0	Units Is	\$	nit Price	\$		Comments N/A
01000	FLANNING	0	15	φ	-	φ	-	
d3000	ENGINEERING	0	ls	\$	-	\$	-	N/A
d4000	SURVEYING	0	ls	\$	-	\$	-	N/A
15000		0	1-	¢				N1/A
d5000	SOILS ENGINEERING	0	ls	\$	-	\$	-	N/A
						-		
	EXCAVATION					L		
	Double Box Culvert Excavation	1	ls	\$	59,700.00			
	Double Box Culvert Backfill	1	ls	\$	150,302.40		150,302	
	Dewatering Misc. Earthwork	1	ls	\$	50,000.00	\$	50,000	
		1	ls	\$	25,000.00	_	25,000	
d8500	SUBTOTAL EROSION CONTROL / STORMWATER					\$	285,002	
08500	SUBTOTAL					\$		N/A
d9000	SANITARY SEWER					φ	-	IN/A
40000	SUBTOTAL					\$	-	N/A
d10000	WATER					Ċ		
	SUBTOTAL					\$	-	N/A
d11000	GAS							
	SUBTOTAL					\$	-	N/A
d12000	ELECTRIC							
	SUBTOTAL					\$	-	N/A
d13000	COMMUNICATIONS							
	SUBTOTAL					\$	-	N/A
d14000	DRAINAGE CONSTRUCTION							
	Mobilization	1	ea	\$	20,000.00	\$	20,000	
	Concrete Pump Truck	1	ea	\$	15,000.00			
	Double 6'x12' Arch Culvert	65	lf	\$	4,000.00			
	North Headwall & Wingwalls	1	ls	\$	95,825.00			
	South Headwall & Wingwalls	1	ls	\$	87,059.00	-	87,059	
	SUBTOTAL			İ		\$		
d15000	CURB AND GUTTER							
-14.0000	SUBTOTAL					\$	-	N/A
d16000	ASPHALT PAVING SUBTOTAL					\$		N/A
d17000	SIDEWALK					φ	-	
	SUBTOTAL			<u> </u>		\$	-	N/A
d18000	FENCE			L		Ė		
	SUBTOTAL					\$	-	N/A
d19000								N/A
	SUBTOTAL					\$	-	N/A
d22000	MISCELLANEOUS / WARRANTY	0	ls	\$	-	\$	-	N/A
				-		Ť		
d20000	FEES							
	SUBTOTAL					\$	-	N/A
				 		ŕ	760 000	
	CONSTRUCTION SUBTOTAL					\$	762,886	
d24000	CONTINGENCY				0%	\$	-	
	TOTAL ESTIMATED COST			<u> </u>	0,0	\$		
				1		Ψ	102,000	

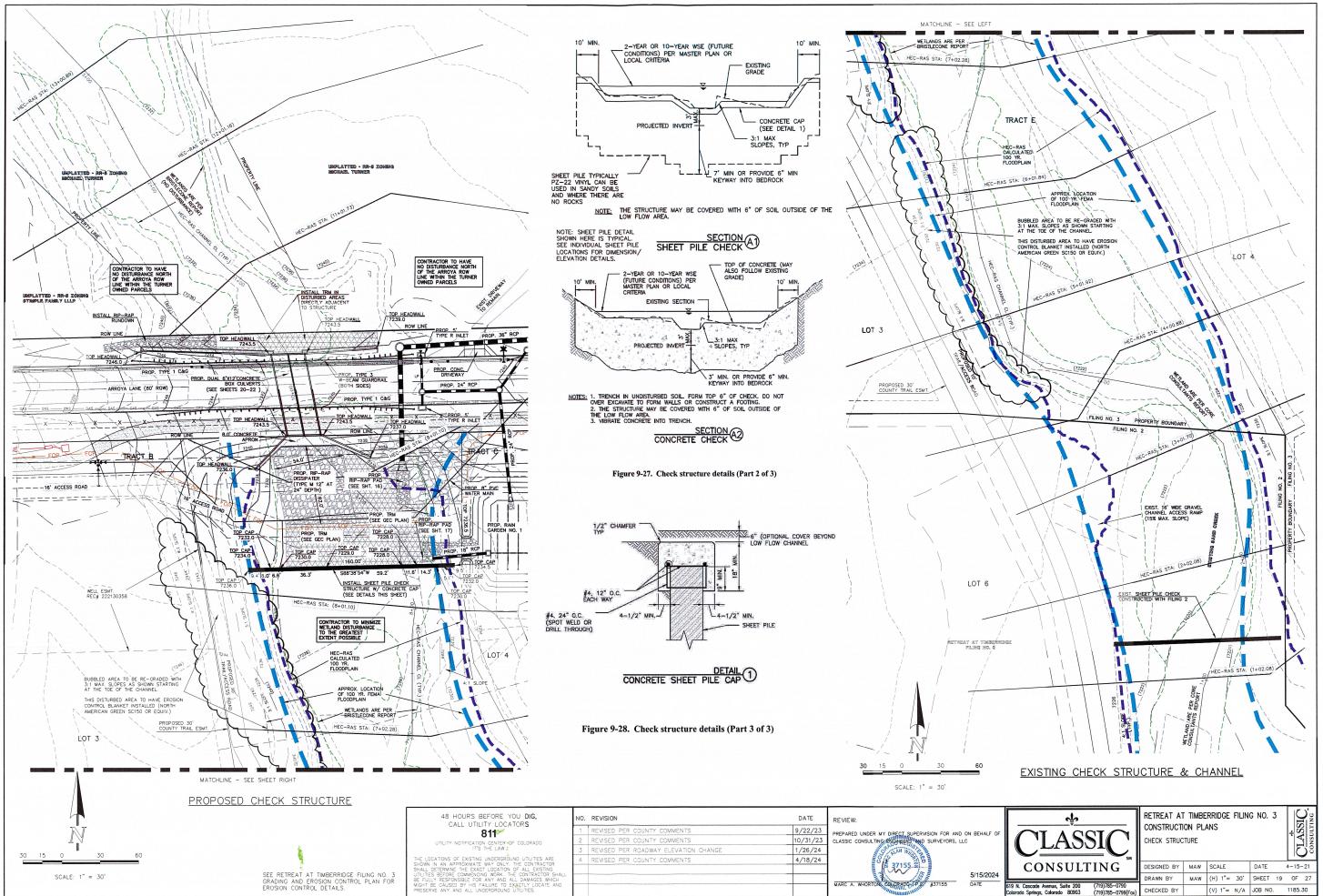
Reimbursable Costs ITEM Double Box Culvert Excavation Double Box Culvert Backfill Dewatering Misc. Earthwork Mobilization Concrete Pump Truck Double 6'x12' Arch Culvert

North Headwall & Wingwalls South Headwall & Wingwalls

QUANTITY	UNIT	UNIT COST	T(OTAL COST
1	ls	\$ 59,700.00	\$	59,700
1	ls	\$ 150,302.40	\$	150,302
1	ls	\$ 50,000.00	\$	50,000
1	ls	\$ 25,000.00	\$	25,000
1	ea	\$ 20,000.00	\$	20,000
1	ea	\$ 15,000.00	\$	15,000
65	lf	\$ 4,000.00	\$	260,000
1	ls	\$ 95,825.00	\$	95,825
1	ls	\$ 87,059.00	\$	87,059
		Subtotal	Ş	762,886

DBPS MAP





Accelentation (19 19850) CIDMIN