



CVL Consultants of Colorado, Inc.
 10333 E. Dry Creek Rd
 Suite 240
 Englewood, Colorado 80112
 720.482.9526 Fax 720.482.9546

PROJECT: TRAILS AT CROWFOOT
CLIENT: E5X
FILING 12 COST ESTIMATE

JOB NUMBER: 8.13.0283701
DATE: 4/14/2017
PREPARED BY: BPW

SUMMARY - ONSITE

Item	Description	Total Cost
	DEMOLITION	\$0
	EARTHWORK	\$12,640
	WET UTILITIES	\$233,472
	WATER	\$111,972
	SANITARY SEWER	\$71,310
	STORM SEWER	\$50,190
	STORMWATER (PONDS, CHANNELS)	\$0
	ROADWAYS	\$381,447
	DRY UTILITIES	\$0
	EROSION CONTROL	\$0
	LANDSCAPING/MONUMENTATION	\$0
	SITE AMENITIES (PARKS/REC CENTERS/ETC)	\$0
	CONTIGENCY (10%)	\$62,756
	TOTAL ONSITE	\$690,315

SUMMARY - OFFSITE

Item	Description	Total Cost
	PERMANENT OFF-SITE POWER-FEEDER	\$0
	PERMANENT OFF-SITE GAS-FEEDER	\$0
	CONTIGENCY (10%)	\$0
	TOTAL OFFSITE	\$0

SUBMITTAL/PERMIT FEES

Item	Description	Total Cost
	PLANNING APP. FEES - PRELIMINARY PLANS(PRELIM DRAINAGE REPORT)	\$0
	ENGINEERING FEES - FINAL PLANS	\$0
	WATER/SEWER/STORM (DEVELOPMENT FEES)	\$0
	GENERAL MAINTENANCE - EROSION CONTROL (ON-GOING)	\$0
	GENERAL MAINTENANCE - OTHER	\$0
	CONTIGENCY (10%)	\$0
	TOTAL SUBMITTAL/PERMIT FEES	\$0

PROFESSIONAL FEES

Item	Description	Total Cost
	ARCHITECT/ENGINEERING DESIGN FEES (5%)	\$0
	GEOTECHNICAL TESTING/OBSERVATION FEES (2%)	\$0
	CONSTRUCTION MANAGEMENT FEES (3%)	\$0
	CONTIGENCY (10%)	\$0
	TOTAL PROFESSIONAL FEES	\$0

TOTAL DEVELOPMENT COSTS

\$690,315

NOTES:

1. All costs are furnished and in-place costs.
2. Reference Town of Parker and Parker Water and Sanitary standards unless noted otherwise.
3. Final subgrade treatments/roadway pavement design to be provided by geotechnical engineer.
4. No power or gas feeder costs have been included in this estimate.
5. No professional or submittal fees have been included in this estimate.
6. No erosion control maintenance has been included in this estimate.
7. Costs do not include JDA streets and utilities.



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STREET SUMMARY

DEMOLITION

Item	Description	Quantity	Unit
	REMOVE EXISTING ASPHALT(8" THICK)	0	S.Y.
	REMOVE EXISTING CONCRETE(6" THICK)	0	S.Y.
	REMOVE EXISTING PIPE	0	L.F.
	REMOVE EXISTING LIGHT	0	EA.
	REMOVE EXISTING MANHOLE/INLET	0	EA.

STREET SUMMARY

EARTHWORK

Item	Description	Quantity	Unit
	SUBGRADE PREPARATION(clearing & grubbing, 3" topsoil removal/stockpile)	6,320	S.Y.
	SUBGRADE PREPARATION TAPER(clearing & grubbing, 3" topsoil removal/stockpile)	0	S.Y.
	STREET GRADING (3'xWxL)	0	C.Y.
	STREET OVEREXCAVATION (3' deep & moisture treatment per geotech report)	0	C.Y.

STREET SUMMARY

WATER

Item	Description	Quantity	Unit
	24" WATERPIPE (C900) (INCLUDES ALL FITTINGS/THRUST BLOCKS)	0	L.F.
	16" WATERPIPE (C900) (INCLUDES ALL FITTINGS/THRUST BLOCKS)	0	L.F.
	12" WATERPIPE (C900) (INCLUDES ALL FITTINGS/THRUST BLOCKS)	0	L.F.
	8" WATERPIPE (C900) (INCLUDES ALL FITTINGS/THRUST BLOCKS)	1,494	L.F.
	6" WATERPIPE (DIP-FIRE HYDRANT LINE)	40	L.F.
	24" BUTTERFLY VALVE W/ VAULT (1 at 1000 ft spacing)	0	EA.
	16" BUTTERFLY VALVE W/ VAULT (1 at 1000 ft spacing)	0	EA.
	12" GATE VALVE W/ BOX (1 at 400 ft spacing)	0	EA.
	8" GATE VALVE W/ BOX (1 at 400 ft spacing)	1	EA.
	6" GATE VALVE W/ BOX	2	EA.
	FIRE HYDRANT ASSEMBLY (1 at 400 ft spacing)	2	EA.
	AIR/VAC VALVE W/ VAULT	0	EA.
	8" BLOWOFF (2" END OF PIPE)	0	EA.
	12" BLOWOFF (2" END OF PIPE)	0	EA.
	16" BLOWOFF (2" END OF PIPE)	0	EA.
	24" BLOWOFF (2" END OF PIPE)	0	EA.
	8" BEND	12	EA.
	12" BEND	0	EA.
	8" CROSS	0	EA.
	12" CROSS	0	EA.
	8" TEE	2	EA.
	12" TEE	0	EA.
	16" STEEL CASING PIPE	0	L.F.
	20" STEEL CASING PIPE	0	L.F.
	22" STEEL CASING PIPE	0	L.F.
	WATER MAIN CONNECTION	0	EA.
	WATER SERVICE LATERAL W/ WATER METER AND PIT	19	EA.



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STREET SUMMARY

SANITARY SEWER

Item	Description	Quantity	Unit
	24" SEWER (SDR-35 PVC)	0	31
	18" SEWER (SDR-35 PVC)	0	31
	15" SEWER (SDR-35 PVC)	0	31
	12" SEWER (SDR-35 PVC)	0	31
	8" SEWER (SDR-35 PVC)	1,266	31
	4' DIA. MANHOLE (1 at 400 ft spacing)	9	31
	5' DIA. MANHOLE (1 at 400 ft spacing)	0	31
	INTERMEDIATE PLATFORM	0	31
	SEWER MAIN CONNECTION	0	31
	SEWER SERVICE LATERAL W/ WYE TAP	19	31

STREET SUMMARY

STORM SEWER

Item	Description	Quantity	Unit
	15" STORM SEWER (Class III RCP)	0	L.F.
	18" STORM SEWER (Class III RCP)	0	L.F.
	24" STORM SEWER (Class III RCP)	180	L.F.
	30" STORM SEWER (Class III RCP)	241	L.F.
	36" STORM SEWER (Class III RCP)	0	L.F.
	42" STORM SEWER (Class III RCP)	0	L.F.
	48" STORM SEWER (Class III RCP)	0	L.F.
	54" STORM SEWER (Class III RCP)	0	L.F.
	60" STORM SEWER (Class III RCP)	0	L.F.
	6'x4' BOX CULVERT (Class III RCBC)	0	L.F.
	10'x6' BOX CULVERT (Class III RCBC)	0	L.F.
	HEADWALL (PER CDOT STANDARD) (includes handrails) WITH WINGWALLS	0	EA.
	4' DIA. MANHOLE	0	EA.
	5' DIA. MANHOLE	0	EA.
	TYPE R INLET (5')	0	EA.
	TYPE R INLET (10')	1	EA.
	TYPE R INLET (15')	1	EA.
	TYPE 16 INLET (SINGLE)	0	EA.
	TYPE 16 INLET (DOUBLE)	3	EA.
	TYPE 16 INLET (TRIPLE)	1	EA.
	TYPE 13 AREA INLET	0	EA.
	TYPE C AREA INLET	0	EA.



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STREET SUMMARY

ROADWAYS

Item	Description	Quantity	Unit
	FULL DEPTH ASPHALT PAVEMENT (9" THICK)	5,267	S.Y.
	TEMPORARY ASPHALT TRANSITION (9" THICK)	0	S.Y.
	CONCRETE PAVEMENT (6" THICK)	0	S.Y.
	6" CONCRETE CURB & GUTTER WITH 2' PAN	3,160	L.F.
	6" CONCRETE CURB & GUTTER WITH 1' PAN	0	L.F.
	6"X10' CONCRETE SIDEWALK W/ FIBER MESH	3,160	L.F.
	CONCRETE CROSSSPAN (6" THICK)	0	EA.
	HANDICAP RAMPS	2	EA.
	STRIPING 1/2 width (2 solid edge lines and 2 dashed lane lines - typ)	0	L.F.
	STRIPING taper (centerline - typ)	0	L.F.
	SIGNAGE (1 Sign every 300 feet)	6	EA.

STREET SUMMARY

DRY UTILITIES

Item	Description	Quantity	Unit
	ON-SITE STREET GAS LINES	3,160	L.F.
	ON-SITE STREET ELECTRIC LINES	3,160	L.F.
	LOT GAS SERVICE	19	EA.
	LOT ELECTRIC SERVICE	19	EA.
	STREET LIGHTS (ONE SIDE AT 180' SPACING)	3	EA.

STREET SUMMARY

LANDSCAPING/MONUMENTION

Item	Description	Quantity	Unit
	STREETSCAPE LANDSCAPING (MEDIANS/SIDEWALK STRIP)	0	L.F.
	FENCING	0	L.F.
	IRRIGATION AND SLEEVING	0	L.F.
	MONUMENTATION	0	LS



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Length (ft) Taper (ft) Total Lots
 1580 0 19

BEEBALM WAY

DEMOLITION

Item	Description	Quantity	Unit	Cost/Unit	Total Cost
	REMOVE EXISTING ASPHALT(6" THICK)	0	S.Y.	\$8.00	\$0.00
	REMOVE EXISTING CONCRETE(6" THICK)	0	S.Y.	\$6.00	\$0.00
	REMOVE EXISTING PIPE	0	L.F.	\$5.00	\$0.00
	REMOVE EXISTING LIGHT	0	EA.	\$200.00	\$0.00
	REMOVE EXISTING MANHOLE/INLET	0	EA.	\$500.00	\$0.00
Total Cost					\$0.00

BEEBALM WAY

EARTHWORK

Item	Description	Quantity	Unit	Cost/Unit	Total Cost
	SUBGRADE PREPARATION(clearing & grubbing, 3" topsoil removal/stockpile)	6,320	S.Y.	\$2.00	\$12,640.00
	SUBGRADE PREPARATION TAPER(clearing & grubbing, 3" topsoil removal/stockpile)	0	S.Y.	\$2.00	\$0.00
	STREET GRADING (3xWxL)	0	C.Y.	\$3.00	\$0.00
	STREET OVEREXCAVATION (5' deep & moisture treatment per geotech report)	0	C.Y.	\$6.00	\$0.00
Total Cost					\$12,640.00

BEEBALM WAY

WATER

Item	Description	Quantity	Unit	Cost/Unit	Total Cost
	24" WATERPIPE (C900) (INCLUDES ALL FITTINGS/THRUST BLOCKS)	0	L.F.	\$110.00	\$0.00
	16" WATERPIPE (C900) (INCLUDES ALL FITTINGS/THRUST BLOCKS)	0	L.F.	\$80.00	\$0.00
	12" WATERPIPE (C900) (INCLUDES ALL FITTINGS/THRUST BLOCKS)	0	L.F.	\$43.00	\$0.00
	8" WATERPIPE (C900) (INCLUDES ALL FITTINGS/THRUST BLOCKS)	1,494	L.F.	\$38.00	\$56,772.00
	6" WATERPIPE (DIP-FIRE HYDRANT LINE)	40	L.F.	\$20.00	\$800.00
	24" BUTTERFLY VALVE W/ VAULT (1 at 1000 ft spacing)	0	EA.	\$18,500.00	\$0.00
	16" BUTTERFLY VALVE W/ VAULT (1 at 1000 ft spacing)	0	EA.	\$16,000.00	\$0.00
	12" GATE VALVE W/ BOX (1 at 400 ft spacing)	0	EA.	\$3,000.00	\$0.00
	8" GATE VALVE W/ BOX (1 at 400 ft spacing)	1	EA.	\$2,000.00	\$2,000.00
	6" GATE VALVE W/ BOX	2	EA.	\$1,000.00	\$2,000.00
	FIRE HYDRANT ASSEMBLY (1 at 400 ft spacing)	2	EA.	\$4,400.00	\$8,800.00
	AIR/VAC VALVE W/ VAULT	0	EA.	\$6,500.00	\$0.00
	8" BLOWOFF (2" END OF PIPE)	0	EA.	\$1,500.00	\$0.00
	12" BLOWOFF (2" END OF PIPE)	0	EA.	\$2,500.00	\$0.00
	16" BLOWOFF (2" END OF PIPE)	0	EA.	\$3,700.00	\$0.00
	24" BLOWOFF (2" END OF PIPE)	0	EA.	\$4,700.00	\$0.00
	8" BEND	12	EA.	\$650.00	\$7,800.00
	12" BEND	0	EA.	\$1,200.00	\$0.00
	8" CROSS	0	EA.	\$1,300.00	\$0.00
	12" CROSS	0	EA.	\$1,300.00	\$0.00
	8" TEE	2	EA.	\$750.00	\$1,500.00
	12" TEE	0	EA.	\$1,050.00	\$0.00
	16" STEEL CASING PIPE	0	L.F.	\$120.00	\$0.00
	20" STEEL CASING PIPE	0	L.F.	\$150.00	\$0.00
	22" STEEL CASING PIPE	0	L.F.	\$165.00	\$0.00
	WATER MAIN CONNECTION	0	EA.	\$2,500.00	\$0.00
	WATER SERVICE LATERAL W/ WATER METER AND PIT	19	EA.	\$1,700.00	\$32,300.00
Total Cost					\$111,972.00

BEEBALM WAY

SANITARY SEWER

Item	Description	Quantity	Unit	Cost/Unit	Total Cost
	24" SEWER (SDR-35 PVC)	0	31	\$72.00	\$0.00
	18" SEWER (SDR-35 PVC)	0	31	\$67.00	\$0.00
	15" SEWER (SDR-35 PVC)	0	31	\$65.00	\$0.00
	12" SEWER (SDR-35 PVC)	0	31	\$60.00	\$0.00
	8" SEWER (SDR-35 PVC)	1,266	31	\$35.00	\$44,310.00
	4' DIA. MANHOLE (1 at 400 ft spacing)	9	31	\$3,000.00	\$27,000.00
	5' DIA. MANHOLE (1 at 400 ft spacing)	0	31	\$4,200.00	\$0.00
	INTERMEDIATE PLATFORM	0	31	\$500.00	\$0.00
	SEWER MAIN CONNECTION	0	31	\$2,000.00	\$0.00
Total Cost					\$71,310.00



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Length (ft) Taper (ft) Total Lots
 1580 0 19

BEEBALM WAY		STORM SEWER			
Item	Description	Quantity	Unit	Cost/Unit	Total Cost
	15" STORM SEWER (Class III RCP)	0	L.F.	\$40.00	\$0.00
	18" STORM SEWER (Class III RCP)	0	L.F.	\$45.00	\$0.00
	24" STORM SEWER (Class III RCP)	180	L.F.	\$60.00	\$10,800.00
	30" STORM SEWER (Class III RCP)	241	L.F.	\$90.00	\$21,690.00
	36" STORM SEWER (Class III RCP)	0	L.F.	\$120.00	\$0.00
	42" STORM SEWER (Class III RCP)	0	L.F.	\$150.00	\$0.00
	48" STORM SEWER (Class III RCP)	0	L.F.	\$190.00	\$0.00
	54" STORM SEWER (Class III RCP)	0	L.F.	\$220.00	\$0.00
	60" STORM SEWER (Class III RCP)	0	L.F.	\$250.00	\$0.00
	6x4' BOX CULVERT (Class III RCBC)	0	L.F.	\$600.00	\$0.00
	10x6' BOX CULVERT (Class III RCBC)	0	L.F.	\$875.00	\$0.00
	HEADWALL (PER CDOT STANDARD) (includes handrails) WITH WINGWALL	0	EA.	\$50,000.00	\$0.00
	5' DIA. MANHOLE	0	EA.	\$3,000.00	\$0.00
	TYPE R INLET (5')	0	EA.	\$4,500.00	\$0.00
	TYPE R INLET (10')	1	EA.	\$6,000.00	\$6,000.00
	TYPE R INLET (15')	1	EA.	\$8,500.00	\$8,500.00
	18" FES	0	EA.	\$550.00	\$0.00
	24" FES	3	EA.	\$700.00	\$2,100.00
	30" FES	1	EA.	\$1,100.00	\$1,100.00
	36" FES	0	EA.	\$1,700.00	\$0.00
	42" FES	0	EA.	\$2,400.00	\$0.00
Total Cost					\$50,190.00

BEEBALM WAY		ROADWAYS			
Item	Description	Quantity	Unit	Cost/Unit	Total Cost
	FULL DEPTH ASPHALT PAVEMENT (9" THICK)	5,267	S.Y.	\$40.00	\$210,667.00
	TEMPORARY ASPHALT TRANSITION (9" THICK)	0	S.Y.	\$40.00	\$0.00
	CONCRETE PAVEMENT (6" THICK)	0	S.Y.	\$80.00	\$0.00
	6" CONCRETE CURB & GUTTER WITH 2' PAN	3,160	L.F.	\$12.50	\$39,500.00
	6" CONCRETE CURB & GUTTER WITH 1' PAN	0	L.F.	\$12.50	\$0.00
	6"X10' CONCRETE SIDEWALK W/ FIBER MESH	3,160	L.F.	\$40.00	\$126,400.00
	CONCRETE CROSSPAN (6" THICK)	0	EA.	\$2,500.00	\$0.00
	HANDICAP RAMPS	2	EA.	\$1,500.00	\$3,000.00
	STRIPING 1/2 width (2 solid edge lines and 2 dashed lane lines - typ)	0	L.F.	\$0.35	\$0.00
	STRIPING taper (centerline - typ)	0	L.F.	\$0.35	\$0.00
	SIGNAGE (1 Sign every 300 feet)	6	EA.	\$300.00	\$1,880.00
Total Cost					\$381,447.00

BEEBALM WAY		DRY UTILITIES			
Item	Description	Quantity	Unit	Cost/Unit	Total Cost
	ON-SITE STREET GAS LINES	3,160	L.F.	\$0.00	\$0.00
	ON-SITE STREET ELECTRIC LINES	3,160	L.F.	\$0.00	\$0.00
	LOT GAS SERVICE	19	EA.	\$0.00	\$0.00
	LOT ELECTRIC SERVICE	19	EA.	\$0.00	\$0.00
	STREET LIGHTS (ONE SIDE AT 180' SPACING)	3	EA.	\$0.00	\$0.00
Total Cost					\$0.00

BEEBALM WAY		LANDSCAPING/MONUMENTATION			
Item	Description	Quantity	Unit	Cost/Unit	Total Cost
	STREETSCAPE LANDSCAPING (MEDIANS/SIDEWALK STRIP)	0	L.F.	\$0.00	\$0.00
	FENCING	0	L.F.	\$0.00	\$0.00
	IRRIGATION AND SLEEVEING	0	L.F.	\$0.00	\$0.00
	MONUMENTATION	0	LS	\$0.00	\$0.00
Total Cost					\$0.00