



**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 2 COST ESTIMATE**

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

**SUMMARY - ONSITE**

Item	Description	Total Cost
	DEMOLITION	\$0
	EARTHWORK	\$38,672
	WET UTILITIES	\$1,115,625
	WATER	\$471,370
	SANITARY SEWER	\$379,265
	STORM SEWER	\$264,990
	STORMWATER (PONDS, CHANNELS)	\$0
	ROADWAYS	\$1,185,437
	DRY UTILITIES	\$0
	LANDSCAPING/MONUMENTATION	\$0
	SITE AMENITIES (PARKS/REC CENTERS/ETC)	\$0
	CONTIGENCY (10%)	\$233,973
	<b>TOTAL ONSITE</b>	<b>\$2,573,707</b>

**SUMMARY - OFFSITE**

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

**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
	EROSION CONTROL	\$0
	CONTIGENCY (10%)	\$0
	<b>TOTAL SUBMITTAL/PERMIT FEES</b>	<b>\$0</b>

**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
	<b>TOTAL PROFESSIONAL FEES</b>	<b>\$0</b>

**TOTAL DEVELOPMENT COSTS**

**\$2,573,707**

**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 design or submittal fees have been included in this estimate
6. No erosion control maintenance has been included in this estimate
7. Cost 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)	19,336	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)	4,845	L.F.
	6" WATERPIPE (DIP-FIRE HYDRANT LINE)	168	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)	20	EA.
	6" GATE VALVE W/ BOX	9	EA.
	FIRE HYDRANT ASSEMBLY (1 at 400 ft spacing)	9	EA.
	AIR/VAC VALVE W/ VAULT	0	EA.
	8" BLOWOFF (2" END OF PIPE)	2	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	15	EA.
	12" BEND	0	EA.
	8" CROSS	1	EA.
	12" CROSS	0	EA.
	8" TEE	15	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	100	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)	4,479	31
	4' DIA. MANHOLE (1 at 400 ft spacing)	24	31
	5' DIA. MANHOLE (1 at 400 ft spacing)	0	31
	INTERMEDIATE PLATFORM	1	31
	SEWER MAIN CONNECTION	0	31
	SEWER SERVICE LATERAL W/ WYE TAP	100	31

**STREET SUMMARY**

**STORM SEWER**

Item	Description	Quantity	Unit
	15" STORM SEWER (Class III RCP)	0	L.F.
	18" STORM SEWER (Class III RCP)	782	L.F.
	24" STORM SEWER (Class III RCP)	448	L.F.
	30" STORM SEWER (Class III RCP)	420	L.F.
	36" STORM SEWER (Class III RCP)	481	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 COA/CDOT STANDARD) (includes handrails)	0	EA.
	4' DIA. MANHOLE	11	EA.
	5' DIA. MANHOLE	3	EA.
	TYPE R INLET (5')	0	EA.
	TYPE R INLET (10')	8	EA.
	TYPE R INLET (15')	2	EA.
	18" FES	0	EA.
	24" FES	0	EA.
	30" FES	1	EA.
	36" FES	1	EA.
	48" FES	0	EA.



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**STREET SUMMARY**

**ROADWAYS**

Item	Description	Quantity	Unit
	FULL DEPTH ASPHALT PAVEMENT (9" THICK)	16,113	S.Y.
	TEMPORARY ASPHALT TRANSITION (9" THICK)	0	S.Y.
	CONCRETE PAVEMENT (10" THICK)	0	S.Y.
	6" CONCRETE CURB & GUTTER WITH 2' PAN	9,668	L.F.
	6" CONCRETE CURB & GUTTER WITH 1' PAN	0	L.F.
	4" TRENCH DRAIN (PVC) W/ CLEANOUTS, FILTER FABRIC, AND FILTER MATERIAL	0	L.F.
	6"X10' CONCRETE SIDEWALK W/ FIBER MESH	9,668	L.F.
	CONCRETE CROSSSPAN (6" THICK)	3	EA.
	HANDICAP RAMPS	13	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)	21	EA.

**STREET SUMMARY**

**DRY UTILITIES**

Item	Description	Quantity	Unit
	ON-SITE STREET GAS LINES	9,668	L.F.
	ON-SITE STREET ELECTRIC LINES	9,668	L.F.
	LOT GAS SERVICE	100	EA.
	LOT ELECTRIC SERVICE	100	EA.
	STREET LIGHTS (ONE SIDE AT 180' SPACING)	11	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

**CHANNEL/DETENTION PONDS/OPEN SPACE**

**SUMMARY**

Item	Description	Quantity	Unit
	18" STORM SEWER (Class III RCP)	0	L.F.
	36" STORM SEWER (Class III RCP)	0	L.F.
	36" CONC. FES	0	EA.
	5' DIA. MANHOLE	0	EA.

**LANDSCAPE/MONUMENTATION - CHANNEL/DET. PONDS/OPEN SPACE**

**SUMMARY**

Item	Description	Quantity	Unit
	GROUND COVER	0	SY
	TREES AND BUSHES	0	LS
	MONUMENTATION	0	LS