



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 13 COST ESTIMATE

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

SUMMARY - ONSITE

Item	Description	Total Cost
	DEMOLITION	\$0
	EARTHWORK	\$14,000
	WET UTILITIES	\$299,602
	WATER	\$186,382
	SANITARY SEWER	\$92,535
	STORM SEWER	\$20,685
	STORMWATER (PONDS, CHANNELS)	\$0
	ROADWAYS	\$436,734
	DRY UTILITIES	\$0
	EROSION CONTROL	\$0
	LANDSCAPING/MONUMENTATION	\$0
	SITE AMENITIES (PARKS/REC CENTERS/ETC)	\$0
	CONTIGENCY (10%)	\$75,034
TOTAL ONSITE		\$825,370

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

\$825,370

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 or 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)	7,000	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)	1,719	L.F.
	6" WATERPIPE (DIP-FIRE HYDRANT LINE)	28	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)	6	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)	1	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	10	EA.
	12" BEND	0	EA.
	8" CROSS	0	EA.
	12" CROSS	0	EA.
	8" TEE	4	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	51	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)	1,701	31
	4' DIA. MANHOLE (1 at 400 ft spacing)	11	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	51	31

STREET SUMMARY

STORM SEWER

Item	Description	Quantity	Unit
	15" STORM SEWER (Class III RCP)	0	L.F.
	18" STORM SEWER (Class III RCP)	193	L.F.
	24" STORM SEWER (Class III RCP)	0	L.F.
	30" STORM SEWER (Class III RCP)	0	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	2	EA.
	5' DIA. MANHOLE	0	EA.
	TYPE R INLET (5')	0	EA.
	TYPE R INLET (10')	2	EA.
	TYPE R INLET (15')	0	EA.
	TYPE 16 INLET (SINGLE)	0	EA.
	TYPE 16 INLET (DOUBLE)	0	EA.
	TYPE 16 INLET (TRIPLE)	0	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)	5,833	S.Y.
	TEMPORARY ASPHALT TRANSITION (9" THICK)	0	S.Y.
	CONCRETE PAVEMENT (6" THICK)	0	S.Y.
	6" CONCRETE CURB & GUTTER WITH 2' PAN	3,500	L.F.
	6" CONCRETE CURB & GUTTER WITH 1' PAN	0	L.F.
	6"X10' CONCRETE SIDEWALK W/ FIBER MESH	3,500	L.F.
	CONCRETE CROSSSPAN (6" THICK)	2	EA.
	HANDICAP RAMPS	8	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)	9	EA.

STREET SUMMARY

DRY UTILITIES

Item	Description	Quantity	Unit
	ON-SITE STREET GAS LINES	3,500	L.F.
	ON-SITE STREET ELECTRIC LINES	3,500	L.F.
	LOT GAS SERVICE	51	EA.
	LOT ELECTRIC SERVICE	51	EA.
	STREET LIGHTS (ONE SIDE AT 180' SPACING)	6	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
 848 0 26

SKY PILOT AVENUE

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

SKY PILOT AVENUE

EARTHWORK

Item	Description	Quantity	Unit	Cost/Unit	Total Cost
	SUBGRADE PREPARATION(clearing & grubbing, 3" topsoil removal/stockpile)	3,392	S.Y.	\$2.00	\$6,784.00
	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					\$6,784.00

SKY PILOT AVENUE

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)	781	L.F.	\$38.00	\$29,678.00
	6" WATERPIPE (DIP-FIRE HYDRANT LINE)	16	L.F.	\$20.00	\$320.00
	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)	2	EA.	\$2,000.00	\$4,000.00
	6" GATE VALVE W/ BOX	1	EA.	\$1,000.00	\$1,000.00
	FIRE HYDRANT ASSEMBLY (1 at 400 ft spacing)	1	EA.	\$4,400.00	\$4,400.00
	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	4	EA.	\$650.00	\$2,600.00
	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	26	EA.	\$1,700.00	\$44,200.00
Total Cost					\$87,698.00

SKY PILOT AVENUE

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)	758	31	\$35.00	\$26,530.00
	4' DIA. MANHOLE (1 at 400 ft spacing)	5	31	\$3,000.00	\$15,000.00
	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					\$41,530.00



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Length (ft) Taper (ft) Total Lots
 848 0 26

SKY PILOT AVENUE

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)	193	L.F.	\$45.00	\$8,685.00
	24" STORM SEWER (Class III RCP)	0	L.F.	\$60.00	\$0.00
	30" STORM SEWER (Class III RCP)	0	L.F.	\$90.00	\$0.00
	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 WINGWALLS	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')	2	EA.	\$6,000.00	\$12,000.00
	TYPE R INLET (15')	0	EA.	\$8,500.00	\$0.00
	TYPE 16 INLET (SINGLE)	0	EA.	\$550.00	\$0.00
	TYPE 16 INLET (DOUBLE)	0	EA.	\$700.00	\$0.00
	TYPE 16 INLET (TRIPLE)	0	EA.	\$1,100.00	\$0.00
	TYPE 13 AREA INLET	0	EA.	\$1,700.00	\$0.00
	TYPE C AREA INLET	0	EA.	\$2,400.00	\$0.00
Total Cost					\$20,685.00

SKY PILOT AVENUE

ROADWAYS

Item	Description	Quantity	Unit	Cost/Unit	Total Cost
	FULL DEPTH ASPHALT PAVEMENT (9" THICK)	2,827	S.Y.	\$40.00	\$113,067.00
	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	1,696	L.F.	\$12.50	\$21,200.00
	6" CONCRETE CURB & GUTTER WITH 1' PAN	0	L.F.	\$12.50	\$0.00
	6"x10' CONCRETE SIDEWALK W/ FIBER MESH	1,696	L.F.	\$40.00	\$67,840.00
	CONCRETE CROSSPAN (6" THICK)	1	EA.	\$2,500.00	\$2,500.00
	HANDICAP RAMPS	3	EA.	\$1,500.00	\$4,500.00
	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)	4	EA.	\$300.00	\$1,148.00
Total Cost					\$210,255.00

SKY PILOT AVENUE

DRY UTILITIES

Item	Description	Quantity	Unit	Cost/Unit	Total Cost
	ON-SITE STREET GAS LINES	1,696	L.F.	\$0.00	\$0.00
	ON-SITE STREET ELECTRIC LINES	1,696	L.F.	\$0.00	\$0.00
	LOT GAS SERVICE	26	EA.	\$0.00	\$0.00
	LOT ELECTRIC SERVICE	26	EA.	\$0.00	\$0.00
	STREET LIGHTS (ONE SIDE AT 180' SPACING)	2	EA.	\$0.00	\$0.00
Total Cost					\$0.00

SKY PILOT AVENUE

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 SLEEAVING	0	L.F.	\$0.00	\$0.00
	MONUMENTATION	0	LS	\$0.00	\$0.00
Total Cost					\$0.00



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Length (ft) Taper (ft) Total Lots
 743 0 16

SKY PILOT LANE DEMOLITION

Item	Description	Quantity	Unit	Cost/Unit	Total Cost
	REMOVE EXISTING ASPHALT(8" 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

SKY PILOT LANE EARTHWORK

Item	Description	Quantity	Unit	Cost/Unit	Total Cost
	SUBGRADE PREPARATION(clearing & grubbing, 3" topsoil removal/stockpile)	2,972	S.Y.	\$2.00	\$5,944.00
	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					\$5,944.00

SKY PILOT LANE 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)	720	L.F.	\$38.00	\$27,360.00
	6" WATERPIPE (DIP-FIRE HYDRANT LINE)	0	L.F.	\$20.00	\$0.00
	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)	3	EA.	\$2,000.00	\$6,000.00
	6" GATE VALVE W/ BOX	0	EA.	\$1,000.00	\$0.00
	FIRE HYDRANT ASSEMBLY (1 at 400 ft spacing)	0	EA.	\$4,400.00	\$0.00
	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	5	EA.	\$650.00	\$3,250.00
	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	1	EA.	\$750.00	\$750.00
	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	16	EA.	\$1,700.00	\$27,200.00
Total Cost					\$64,560.00

SKY PILOT LANE 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)	714	31	\$35.00	\$24,990.00
	4' DIA. MANHOLE (1 at 400 ft spacing)	4	31	\$3,000.00	\$12,000.00
	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					\$36,990.00



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PROJECT: TRAILS AT CROWFOOT
 CLIENT: E5X
 FILING 13 COST ESTIMATE

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

Length (ft) Taper (ft) Total Lots
 743 0 16

SKY PILOT LANE 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)	0	L.F.	\$60.00	\$0.00
	30" STORM SEWER (Class III RCP)	0	L.F.	\$90.00	\$0.00
	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 WINGWALLS	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')	0	EA.	\$6,000.00	\$0.00
	TYPE R INLET (15')	0	EA.	\$8,500.00	\$0.00
	TYPE 16 INLET (SINGLE)	0	EA.	\$550.00	\$0.00
	TYPE 16 INLET (DOUBLE)	0	EA.	\$700.00	\$0.00
	TYPE 16 INLET (TRIPLE)	0	EA.	\$1,100.00	\$0.00
	TYPE 13 AREA INLET	0	EA.	\$1,700.00	\$0.00
	TYPE C AREA INLET	0	EA.	\$2,400.00	\$0.00
Total Cost					\$0.00

SKY PILOT LANE ROADWAYS

Item	Description	Quantity	Unit	Cost/Unit	Total Cost
	FULL DEPTH ASPHALT PAVEMENT (9" THICK)	2,477	S.Y.	\$40.00	\$99,067.00
	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	1,486	L.F.	\$12.50	\$18,575.00
	6" CONCRETE CURB & GUTTER WITH 1' PAN	0	L.F.	\$12.50	\$0.00
	6'X10' CONCRETE SIDEWALK W/ FIBER MESH	1,486	L.F.	\$40.00	\$59,440.00
	CONCRETE CROSSPAN (6" THICK)	1	EA.	\$2,500.00	\$2,500.00
	HANDICAP RAMPS	4	EA.	\$1,500.00	\$6,000.00
	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)	3	EA.	\$300.00	\$1,043.00
Total Cost					\$186,625.00

SKY PILOT LANE DRY UTILITIES

Item	Description	Quantity	Unit	Cost/Unit	Total Cost
	ON-SITE STREET GAS LINES	1,486	L.F.	\$0.00	\$0.00
	ON-SITE STREET ELECTRIC LINES	1,486	L.F.	\$0.00	\$0.00
	LOT GAS SERVICE	16	EA.	\$0.00	\$0.00
	LOT ELECTRIC SERVICE	16	EA.	\$0.00	\$0.00
	STREET LIGHTS (ONE SIDE AT 180' SPACING)	3	EA.	\$0.00	\$0.00
Total Cost					\$0.00

SKY PILOT LANE 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



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Length (ft) Taper (ft) Total Lots
 159 0 9

PURPLE ASTER WAY DEMOLITION

Item	Description	Quantity	Unit	Cost/Unit	Total Cost
	REMOVE EXISTING ASPHALT(8" 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

PURPLE ASTER WAY EARTHWORK

Item	Description	Quantity	Unit	Cost/Unit	Total Cost
	SUBGRADE PREPARATION(clearing & grubbing, 3" topsoil removal/stockpile)	636	S.Y.	\$2.00	\$1,272.00
	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					\$1,272.00

PURPLE ASTER 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)	218	L.F.	\$38.00	\$8,284.00
	6" WATERPIPE (DIP-FIRE HYDRANT LINE)	12	L.F.	\$20.00	\$240.00
	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	1	EA.	\$1,000.00	\$1,000.00
	FIRE HYDRANT ASSEMBLY (1 at 400 ft spacing)	1	EA.	\$4,400.00	\$4,400.00
	AIR/VAC VALVE W/ VAULT	0	EA.	\$6,500.00	\$0.00
	8" BLOWOFF (2" END OF PIPE)	1	EA.	\$1,500.00	\$1,500.00
	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	1	EA.	\$650.00	\$650.00
	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	1	EA.	\$750.00	\$750.00
	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	9	EA.	\$1,700.00	\$15,300.00
Total Cost					\$34,124.00

PURPLE ASTER 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)	229	31	\$35.00	\$8,015.00
	4' DIA. MANHOLE (1 at 400 ft spacing)	2	31	\$3,000.00	\$6,000.00
	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					\$14,015.00



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PURPLE ASTER 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)	0	L.F.	\$60.00	\$0.00
	30" STORM SEWER (Class III RCP)	0	L.F.	\$90.00	\$0.00
	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 WINGWALLS	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')	0	EA.	\$6,000.00	\$0.00
	TYPE R INLET (15')	0	EA.	\$8,500.00	\$0.00
	TYPE 16 INLET (SINGLE)	0	EA.	\$550.00	\$0.00
	TYPE 16 INLET (DOUBLE)	0	EA.	\$700.00	\$0.00
	TYPE 16 INLET (TRIPLE)	0	EA.	\$1,100.00	\$0.00
	TYPE 13 AREA INLET	0	EA.	\$1,700.00	\$0.00
	TYPE C AREA INLET	0	EA.	\$2,400.00	\$0.00
Total Cost					\$0.00

PURPLE ASTER WAY ROADWAYS

Item	Description	Quantity	Unit	Cost/Unit	Total Cost
	FULL DEPTH ASPHALT PAVEMENT (9" THICK)	530	S.Y.	\$40.00	\$21,200.00
	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	318	L.F.	\$12.50	\$3,975.00
	6" CONCRETE CURB & GUTTER WITH 1' PAN	0	L.F.	\$12.50	\$0.00
	6"x10' CONCRETE SIDEWALK W/ FIBER MESH	318	L.F.	\$40.00	\$12,720.00
	CONCRETE CROSSPAN (6" THICK)	0	EA.	\$2,500.00	\$0.00
	HANDICAP RAMPS	1	EA.	\$1,500.00	\$1,500.00
	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)	2	EA.	\$300.00	\$459.00
Total Cost					\$39,854.00

PURPLE ASTER WAY DRY UTILITIES

Item	Description	Quantity	Unit	Cost/Unit	Total Cost
	ON-SITE STREET GAS LINES	318	L.F.	\$0.00	\$0.00
	ON-SITE STREET ELECTRIC LINES	318	L.F.	\$0.00	\$0.00
	LOT GAS SERVICE	9	EA.	\$0.00	\$0.00
	LOT ELECTRIC SERVICE	9	EA.	\$0.00	\$0.00
	STREET LIGHTS (ONE SIDE AT 180' SPACING)	1	EA.	\$0.00	\$0.00
Total Cost					\$0.00

PURPLE ASTER 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