

**Mountain Sky Subdivision Filing No. 1
Required Public Improvements**

| Item | Description of Public Improvements |
|------|---|
| 1 | Sanitary Sewer from point of connection to south side of CR 29 1/2 including stubouts for extension into future filings |
| 2 | Water main extension from CR 29 south to CR 29 1/2 including stubouts for extension into future filings |
| 3 | Water main extension from Mountain Sky Drive to Ft. Lupton water tank along CR 29 1/2 |
| 4 | Bypass drainage swale along north property boundary from CR 29 south to CR 29 1/2 including partial box culvert at CR 29 1/2 |
| 5 | Onsite detention pond within Tract A including inlet and outlet structures |
| 6 | Interim graded swale for overflow drainage to detention pond extending from Filing No. 1 street terminus to detention pond |
| 8 | Onsite storm sewer system within Filing No. 1 including stubouts for extension into future filings |
| 9 | Internal roadways within Filing No. 1 including streetscape, signage, lighting and striping |
| 10 | One half street section for CR 29 1/2 along the frontage for Filing No. 1 including street scape improvements, signage, striping, barriers, and transition tapering |
| 11 | Parks and open space within planned areas of Filing No.1 including associated trails and landscape amenities |



Mountain Sky Filing No. 1

Infrastructure Summary Sheet

ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COSTS

| | | |
|--|-----------|----------------------------|
| Sanitary Sewer Total Cost | \$ | 368,802.00 |
| Drainage Facility Total Cost | \$ | 428,345.30 |
| Water Main Total Cost | \$ | 167,844.00 |
| CR 29-1/2 Waterline Extension | \$ | 545,342.00 |
| Street Total Cost | \$ | 662,056.65 |
| Grand Total - Filing No. 1 Public Improvements | \$ | <u>1,803,587.95</u> |
| Grand Total * 125% for Irrevocable Letter of Credit | \$ | 2,254,484.94 |



**Mountain Sky Filing No. 1
City of Fort Lupton, Colorado
Sanitary Sewer**

ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COSTS

| ITEM NO. | DESCRIPTION | QTY | UNIT | UNIT PRICE | COST |
|-----------------------------|--|-------|------|-------------|----------------------|
| 1 | 8" SDR 35 Sewer Main - Normal Depth | 88 | LF | \$ 32.00 | \$ 2,816.00 |
| 2 | 10" SDR 35 Sewer Main - Normal Depth | 3,001 | LF | \$ 36.00 | \$ 108,036.00 |
| 3 | Trench Dewatering | 3,089 | LF | \$ 35.00 | \$ 108,115.00 |
| 4 | 4' Dia Manholes - Normal Depth | 15 | EA | \$ 2,600.00 | \$ 39,000.00 |
| 5 | 4' Dia Manholes - 13' to 16' Depth | 5 | EA | \$ 3,000.00 | \$ 15,000.00 |
| 6 | Manhole Tie-in | 1 | EA | \$ 1,500.00 | \$ 1,500.00 |
| 7 | Sanitary Sewer Encasement | 600 | LF | \$ 80.00 | \$ 48,000.00 |
| 8 | 6" PVC Underdrain with Mirari Wrap Gravel Pack | 3,089 | LF | \$ 15.00 | \$ 46,335.00 |
| 11 | | | | Subtotal | \$ 368,802.00 |
| Sanitary Sewer Total | | | | | \$ 368,802.00 |



**Mountain Sky Filing No. 1
City of Fort Lupton, Colorado
Drainage**

ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COSTS

| ITEM NO. | DESCRIPTION | QTY | UNIT | UNIT PRICE | | COST |
|----------|--|------|------|--------------|----------|----------------------|
| 1 | Stripping, Stockpiling & Respreading | 2346 | CY | \$ 4.20 | | \$ 9,853.20 |
| 2 | Excavation Pond & Channel - Cut to Fill | 4737 | CY | \$ 2.60 | | \$ 12,316.20 |
| 3 | Silt Fence | 1194 | LF | \$ 1.35 | | \$ 1,611.90 |
| 4 | Seeding and Mulching Pond and Channel | 21 | AC | \$ 1,500.00 | | \$ 31,500.00 |
| 5 | PIPE 18" RCP CL-III | 128 | LF | \$ 45.00 | | \$ 5,760.00 |
| 6 | PIPE 24" RCP CL-III | 307 | LF | \$ 60.00 | | \$ 18,420.00 |
| 7 | PIPE 30" RCP CL-III | 116 | LF | \$ 80.00 | | \$ 9,280.00 |
| 8 | PIPE 36" RCP CL-III | 246 | LF | \$ 90.00 | | \$ 22,140.00 |
| 9 | PIPE 42" RCP CL-III | 979 | LF | \$ 120.00 | | \$ 117,480.00 |
| 10 | PIPE 48" RCP CL-III | 165 | LF | \$ 150.00 | | \$ 24,750.00 |
| 11 | 18" FES | 1 | EA | \$ 2,000.00 | | \$ 2,000.00 |
| 12 | 24" FES | 1 | EA | \$ 2,400.00 | | \$ 2,400.00 |
| 13 | 5' TYPE R INLET (0-5') | 3 | EA | \$ 4,000.00 | | \$ 12,000.00 |
| 14 | 10' TYPE R INLET (0-5') | 2 | EA | \$ 6,500.00 | | \$ 13,000.00 |
| 15 | TYPE C INLET | 1 | EA | \$ 2,500.00 | | \$ 2,500.00 |
| 16 | 4' ID MANHOLE (0-8') | 3 | EA | 2,600.0 | | 7,800.0 |
| 17 | 5' ID MANHOLE (0-8') | 2 | EA | \$ 3,100.00 | | \$ 6,200.00 |
| 18 | 6' ID MANHOLE (0-8') | 3 | EA | \$ 3,500.00 | | \$ 10,500.00 |
| 19 | 11' x 7' REINF. CONCRETE BOX CULVERT | 56 | LF | \$ 1,000.00 | | \$ 56,000.00 |
| 20 | BOX CULVERT WINGWALLS AND HEADWALL | 1 | LS | \$ 45,000.00 | | \$ 45,000.00 |
| 21 | DETENTION/WATER QUALITY OUTLET STRUCTURE | 1 | EA | \$ 15,000.00 | | \$ 15,000.00 |
| 22 | RIR RAP | 218 | CY | \$ 13.00 | | \$ 2,834.00 |
| | | | | | Subtotal | \$ 428,345.30 |
| | Drainage Total | | | | | \$ 428,345.30 |



**Mountain Sky Filing No. 1
City of Fort Lupton, Colorado
Onsite Water**

ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COSTS

| ITEM NO. | DESCRIPTION | QTY | UNIT | UNIT PRICE | COST |
|-------------------------|--------------------------------|-------|------|-------------|----------------------|
| 1 | 8" PVC WATER | 3,117 | LF | \$ 32.00 | \$ 99,744.00 |
| 2 | 8" GATE VALVES | 12 | EA | \$ 1,500.00 | \$ 18,000.00 |
| 3 | 8" TEES | 12 | EA | \$ 700.00 | \$ 8,400.00 |
| 4 | 8" FITTINGS | 28 | EA | \$ 350.00 | \$ 9,800.00 |
| 5 | 8" PLUG w/ 2" BLOWOFF ASSEMBLY | 5 | EA | \$ 2,000.00 | \$ 10,000.00 |
| 6 | FIRE HYDRANT ASSEMBLY | 3 | EA | \$ 5,800.00 | \$ 17,400.00 |
| 7 | AIR RELIEF VALVE | 1 | EA | \$ 4,500.00 | \$ 4,500.00 |
| | | | | Subtotal | \$ 167,844.00 |
| Water Main Total | | | | | \$ 167,844.00 |



Mountain Sky Filing No. 1
City of Fort Lupton, Colorado
Roadway - Mountain Sky Drive

ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COSTS

| ITEM NO. | DESCRIPTION | QTY | UNIT | UNIT PRICE | COST |
|---------------------|---------------------------------------|-------|------|-------------|----------------------|
| 1 | GRADING | 1,064 | CY | \$ 2.60 | \$ 2,766.40 |
| 2 | SUBGRADE PREP | 6,792 | SY | \$ 1.25 | \$ 8,490.00 |
| 3 | 6" BASE COURSE | 3,396 | CY | \$ 28.00 | \$ 95,088.00 |
| 4 | Street Signs (Stop, No Outlet, etc) | 5 | EA | \$ 400.00 | \$ 2,000.00 |
| 5 | 5.5" FULL DEPTH ASPHALT | 3,113 | CY | \$ 22.00 | \$ 68,486.00 |
| 6 | RAISE MANHOLES | 25 | EA | \$ 500.00 | \$ 12,500.00 |
| 7 | RAISE WATER VALVES | 35 | EA | \$ 250.00 | \$ 8,750.00 |
| 8 | VERTICAL CURB AND 1' GUTTER | 258 | LF | \$ 11.50 | \$ 2,967.00 |
| 9 | VERTICAL CURB AND 2' GUTTER | 310 | LF | \$ 13.00 | \$ 4,030.00 |
| 10 | MOUNTABLE 36" CURB AND GUTTER | 3,411 | LF | \$ 14.00 | \$ 47,754.00 |
| 11 | CURB AND GUTTER SUB GRADE PREPARATION | 3,669 | LF | \$ 1.25 | \$ 4,586.25 |
| 12 | 5' CONCRETE SIDEWALK | 3,266 | SY | \$ 5.00 | \$ 16,330.00 |
| 13 | SIDEWALK SUB GRADE PREP | 3,266 | SY | \$ 1.25 | \$ 4,082.50 |
| 14 | CONCRETE MEDIAN | 1,544 | SF | \$ 8.00 | \$ 12,352.00 |
| 15 | CONCRETE CURB RAMP | 8 | EA | \$ 1,500.00 | \$ 12,000.00 |
| 16 | STREET LIGHTS | 17 | EA | \$ 3,500.00 | \$ 59,500.00 |
| | | | | Subtotal | \$ 361,682.15 |
| Street Total | | | | | \$ 361,682.15 |



Mountain Sky Filing No. 1
City of Fort Lupton, Colorado
Roadway - COUNTY ROAD 29 1/2

ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COSTS

| ITEM NO. | DESCRIPTION | QTY | UNIT | UNIT PRICE | COST |
|---------------------|---------------------------------------|-------|------|-------------|----------------------|
| 1 | GRADING | 8,610 | CY | \$ 2.60 | \$ 22,386.00 |
| 2 | SUBGRADE PREP | 3,775 | SY | \$ 1.25 | \$ 4,718.75 |
| 3 | 6" BASE COURSE | 629 | CY | \$ 28.00 | \$ 17,612.00 |
| 4 | 5.5" FULL DEPTH ASPHALT | 3,775 | SY | \$ 22.00 | \$ 83,050.00 |
| 5 | STRIPING | 3,545 | LF | \$ 1.50 | \$ 5,317.50 |
| 6 | VERTICAL CURB AND 2' GUTTER | 3,526 | LF | \$ 13.00 | \$ 45,838.00 |
| 7 | CURB AND GUTTER SUB GRADE PREPARATION | 3,526 | LF | \$ 1.25 | \$ 4,407.50 |
| 8 | LANDSCAPE - NATIVE AND TREES | 10783 | SF | \$ 3.25 | \$ 35,044.75 |
| 9 | STREET LIGHTS | 14 | EA | \$ 3,500.00 | \$ 49,000.00 |
| 10 | TRAFFIC CONTROL | 30 | DAYS | \$ 1,100.00 | \$ 33,000.00 |
| 11 | | | | Subtotal | \$ 300,374.50 |
| Street Total | | | | | \$ 300,374.50 |