



UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, JR ENGINEERING APPROVES THEIR USE ONLY FOR THE PURPOSES DESIGNATED BY WRITTEN AUTHORIZATION.

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| No. | REVISION | BY | DATE |
|-----|----------|----|------|
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| H-Scale | V-Scale | DATE | DESIGNED BY | DRAWN BY | CHECKED BY |
|-----------|---------|---------|-------------|----------|------------|
| 1" = 300' | N/A | 5/28/14 | SMB | CEB | |

MASTER DEVELOPMENT DRAINAGE PLAN
NORTH FORK AT BRIARGATE
DRAINAGE EXHIBIT
HISTORIC CONDITION

SUB-BASIN DATA SUMMARY
HISTORIC CONDITION

| SUB BASIN ID | AREA (sq miles) | AREA (acres) | PERCENT IMPERVIOUS | TOTR TIME TO PEAK (MIN.) | Q2 (cfs) | Q5 (cfs) | Q10 (cfs) | Q25 (cfs) | Q50 (cfs) | Q100 (cfs) |
|--------------|-----------------|--------------|--------------------|--------------------------|----------|----------|-----------|-----------|-----------|------------|
| *OS1 | 0.021 | 13.3 | 31.3 | 34 | 39 | 6 | 11 | 15 | 25 | 31 |
| *OS2 | 0.027 | 17.2 | 6.3 | 42 | 49 | 1 | 5 | 7 | 17 | 21 |
| OS3 | 0.229 | 146.6 | 5.2 | 47 | 54 | 7 | 35 | 55 | 125 | 176 |
| OS4 | 0.020 | 12.9 | 6.0 | 39 | 45 | 1 | 4 | 6 | 14 | 17 |
| OS5 | 0.041 | 26.3 | 1.5 | 39 | 44 | 1 | 8 | 13 | 31 | 39 |
| *H1 | 0.053 | 33.6 | 10.0 | 34 | 38 | 5 | 20 | 29 | 59 | 73 |
| H2 | 0.079 | 50.8 | 1.5 | 49 | 58 | 1 | 9 | 15 | 36 | 45 |
| H3 | 0.276 | 177.2 | 1.2 | 51 | 59 | 2 | 32 | 54 | 131 | 165 |
| H4 | 0.017 | 11.0 | 1.5 | 36 | 40 | 1 | 5 | 7 | 16 | 20 |

NOTE: VALUES PRESENTED WITH RUNOFF SUMMARY WERE GENERATED USING THE COLORADO UNIT HYDROGRAPH PROCEDURE
 *SUBCATCHMENTS ANALYZED WITH THE "KETTLE CREEK DRAINAGE BASIN
 OLD RANCH ROAD MASTER DEVELOPMENT DRAINAGE PLAN", BY JR ENGINEERING, 2001.

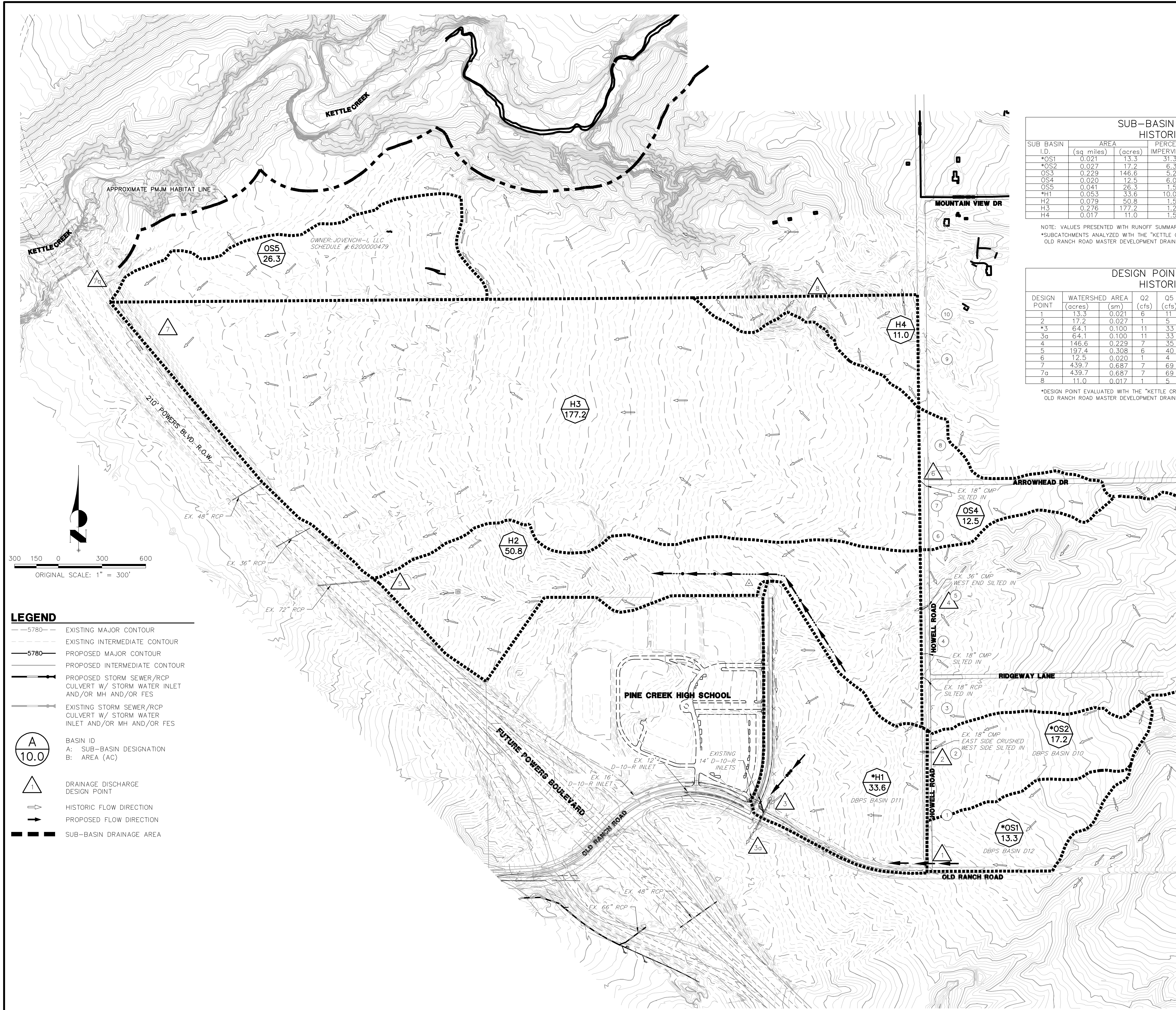
DESIGN POINT DATA SUMMARY
HISTORIC CONDITION

| DESIGN POINT | WATERSHED AREA (acres) | AREA (sm) | Q2 (cfs) | Q5 (cfs) | Q10 (cfs) | Q25 (cfs) | Q50 (cfs) | Q100 (cfs) | POINT DESCRIPTION |
|--------------|------------------------|-----------|----------|----------|-----------|-----------|-----------|------------|---|
| 1 | 13.3 | 0.021 | 6 | 11 | 15 | 25 | 31 | 34 | OS1 RUNOFF INTO ORR |
| 2 | 17.2 | 0.027 | 1 | 5 | 7 | 17 | 21 | 23 | OS2 RUNOFF ACROSS HOWELLS |
| *3 | 64.1 | 0.100 | 11 | 33 | 47 | 95 | 117 | 130 | OS1, OS2, & H1 RUNOFF COMBINE AT EX. 48" CULVERT CROSSING |
| 3a | 64.1 | 0.100 | 11 | 33 | 47 | 95 | 117 | 130 | EX. 48" CULVERT CROSSING DISCHARGE |
| 4 | 146.6 | 0.229 | 7 | 35 | 55 | 125 | 155 | 176 | OS3 RUNOFF ACROSS HOWELLS |
| 5 | 197.4 | 0.308 | 6 | 40 | 65 | 456 | 196 | 223 | OS3 & H2 RUNOFF COMBINE, CONVEY NORTH ALONG POWERS FILL SLOPE |
| 6 | 12.5 | 0.020 | 1 | 4 | 6 | 14 | 17 | 19 | OS4 RUNOFF ACROSS HOWELLS |
| 7 | 439.7 | 0.687 | 7 | 69 | 119 | 303 | 385 | 445 | OS3, H2, OS4, H3, & OS5 RUNOFF COMBINE |
| 7a | 439.7 | 0.687 | 7 | 69 | 119 | 303 | 385 | 445 | DP 7 DISCHARGE |
| 8 | 11.0 | 0.017 | 1 | 5 | 7 | 16 | 20 | 23 | H4 RUNOFF CONVEYS NORTH, OFFSITE |

*DESIGN POINT EVALUATED WITH THE "KETTLE CREEK DRAINAGE BASIN
 OLD RANCH ROAD MASTER DEVELOPMENT DRAINAGE PLAN", BY JR ENGINEERING, 2001.

OFF SITE PROPERTY OWNER INFORMATION

| PROPERTY POINT | OWNERS NAME | SCHEDULE NUMBER |
|----------------|-------------------------------|-----------------|
| 1 | OLD RANCH ROAD PROPERTIES LLC | 6223000061 |
| 2 | OLD RANCH ROAD PROPERTIES LLC | 6223000059 |
| 3 | MONICA PHELAN | 6223000058 |
| 4 | CARALYN AND DORIS BARLOW | 6223000101 |
| 5 | LARRY AND MELISSA PAINTER | 6223000029 |
| 6 | ROCKFORD & MARGO MANNING | 6223000080 |
| 7 | 10975 HOWELLS RD LLC | 6223000116 |
| 8 | STEVEN AND THERESA MARKEL | 6223000026 |
| 9 | PETER AND ULLA BERGH | 6223000063 |
| 10 | CONLETH AND HELEN KENNEDY | 6223000095 |



LEGEND

- 5780--- EXISTING MAJOR CONTOUR
- 5780--- EXISTING INTERMEDIATE CONTOUR
- 5780--- PROPOSED MAJOR CONTOUR
- 5780--- PROPOSED INTERMEDIATE CONTOUR
- PROPOSED STORM SEWER/RCP CULVERT W/ STORM WATER INLET AND/OR MH AND/OR FES
- EXISTING STORM SEWER/RCP CULVERT W/ STORM WATER INLET AND/OR MH AND/OR FES
- ⊙ A 10.0 ⊙ BASIN ID
A: SUB-BASIN DESIGNATION
B: AREA (AC)
- ⚠ DRAINAGE DISCHARGE DESIGN POINT
- HISTORIC FLOW DIRECTION
- PROPOSED FLOW DIRECTION
- SUB-BASIN DRAINAGE AREA

300 150 0 300 600
 ORIGINAL SCALE: 1" = 300'



Know what's below.
 Call before you dig.