

MULBERRY EAST



BENCH MARKS

B.M. #1 " " CUT ON W⁴
COR. 125' - 18" S + 20' S + 15' W
CENTER SECTION 29-26-2E.
ELEV. = 208.19

B.M. #2 " " CUT ON NW⁴ -
CORNER COR. 900' -
S OF CENTER SECTION
ELEV. = 211.80

B.M. #3 CITY STANDARD 44' S +
48' W OF CENTER 1/4 ENE
OF 37TH & ROCK ROAD.
ELEV. = 204.11

B.M. #4 CITY STANDARD 32' S
AND 10' E OF S QUARTER
CORNER SECTION 29-26-2E.
ELEV. = 224.64

B.M. #5 TBM RR-SPK IN S FACE
OF CORNER FENCE POST
50' E OF S QUARTER
CORNER SECTION 29-26-2E.
ELEV. = 189.79

MULBERRY EAST
DRAINAGE & UTILITY PLAN
FEBRUARY 1986

MID-KANSAS ENGINEERING CONSULTANTS PA
3500 NORTH ROCK ROAD
BUILDING #800
WICHITA, KANSAS 67226 682-6561

[illegible]

Based on line 2, M. Comp. Eng. G. - 2000, 3000, 4000, 5000, 6000, 7000, 8000, 9000, 10000, 11000, 12000, 13000, 14000, 15000, 16000, 17000, 18000, 19000, 20000, 21000, 22000, 23000, 24000, 25000, 26000, 27000, 28000, 29000, 30000, 31000, 32000, 33000, 34000, 35000, 36000, 37000, 38000, 39000, 40000, 41000, 42000, 43000, 44000, 45000, 46000, 47000, 48000, 49000, 50000, 51000, 52000, 53000, 54000, 55000, 56000, 57000, 58000, 59000, 60000, 61000, 62000, 63000, 64000, 65000, 66000, 67000, 68000, 69000, 70000, 71000, 72000, 73000, 74000, 75000, 76000, 77000, 78000, 79000, 80000, 81000, 82000, 83000, 84000, 85000, 86000, 87000, 88000, 89000, 90000, 91000, 92000, 93000, 94000, 95000, 96000, 97000, 98000, 99000, 100000, 101000, 102000, 103000, 104000, 105000, 106000, 107000, 108000, 109000, 110000, 111000, 112000, 113000, 114000, 115000, 116000, 117000, 118000, 119000, 120000, 121000, 122000, 123000, 124000, 125000, 126000, 127000, 128000, 129000, 130000, 131000, 132000, 133000, 134000, 135000, 136000, 137000, 138000, 139000, 140000, 141000, 142000, 143000, 144000, 145000, 146000, 147000, 148000, 149000, 150000, 151000, 152000, 153000, 154000, 155000, 156000, 157000, 158000, 159000, 160000, 161000, 162000, 163000, 164000, 165000, 166000, 167000, 168000, 169000, 170000, 171000, 172000, 173000, 174000, 175000, 176000, 177000, 178000, 179000, 180000, 181000, 182000, 183000, 184000, 185000, 186000, 187000, 188000, 189000, 190000, 191000, 192000, 193000, 194000, 195000, 196000, 197000, 198000, 199000, 200000, 201000, 202000, 203000, 204000, 205000, 206000, 207000, 208000, 209000, 210000, 211000, 212000, 213000, 214000, 215000, 216000, 217000, 218000, 219000, 220000, 221000, 222000, 223000, 224000, 225000, 226000, 227000, 228000, 229000, 230000, 231000, 232000, 233000, 234000, 235000, 236000, 237000, 238000, 239000, 240000, 241000, 242000, 243000, 244000, 245000, 246000, 247000, 248000, 249000, 250000, 251000, 252000, 253000, 254000, 255000, 256000, 257000, 258000, 259000, 260000, 261000, 262000, 263000, 264000, 265000, 266000, 267000, 268000, 269000, 270000, 271000, 272000, 273000, 274000, 275000, 276000, 277000, 278000, 279000, 280000, 281000, 282000, 283000, 284000, 285000, 286000, 287000, 288000, 289000, 290000, 291000, 292000, 293000, 294000, 295000, 296000, 297000, 298000, 299000, 300000, 301000, 302000, 303000, 304000, 305000, 306000, 307000, 308000, 309000, 310000, 311000, 312000, 313000, 314000, 315000, 316000, 317000, 318000, 319000, 320000, 321000, 322000, 323000, 324000, 325000, 326000, 327000, 328000, 329000, 330000, 331000, 332000, 333000, 334000, 335000, 336000, 337000, 338000, 339000, 340000, 341000, 342000, 343000, 344000, 345000, 346000, 347000, 348000, 349000, 350000, 351000, 352000, 353000, 354000, 355000, 356000, 357000, 358000, 359000, 360000, 361000, 362000, 363000, 364000, 365000, 366000, 367000, 368000, 369000, 370000, 371000, 372000, 373000, 374000, 375000, 376000, 377000, 378000, 379000, 380000, 381000, 382000, 383000, 384000, 385000, 386000, 387000, 388000, 389000, 390000, 391000, 392000, 393000, 394000, 395000, 396000, 397000, 398000, 399000, 400000, 401000, 402000, 403000, 404000, 405000, 406000, 407000, 408000, 409000, 410000, 411000, 412000, 413000, 414000, 415000, 416000, 417000, 418000, 419000, 420000, 421000, 422000, 423000, 424000, 425000, 426000, 427000, 428000, 429000, 430000, 431000, 432000, 433000, 434000, 435000, 436000, 437000, 438000, 439000, 440000, 441000, 442000, 443000, 444000, 445000, 446000, 447000, 448000, 449000, 450000, 451000, 452000, 453000, 454000, 455000, 456000, 457000, 458000, 459000, 460000, 461000, 462000, 463000, 464000, 465000, 466000, 467000, 468000, 469000, 470000, 471000, 472000, 473000, 474000, 475000, 476000, 477000, 478000, 479000, 480000, 481000, 482000, 483000, 484000, 485000, 486000, 487000, 488000, 489000, 490000, 491000, 492000, 493000, 494000, 495000, 496000, 497000, 498000, 499000, 500000, 501000, 502000, 503000, 504000, 505000, 506000, 507000, 508000, 509000, 510000, 511000, 512000, 513000, 514000, 515000, 516000, 517000, 518000, 519000, 520000, 521000, 522000, 523000, 524000

Fast to the pond, the system could evolve. Do 20.35 sec
 ∴ $Q = 89.5 - 72.8 = 16.7$ ft.
 HITTECHNE Run 2 y. at 2" KCP from the inlet @ 4" S
 NE corner of HTEch across the jet pump to the pond
 scans the system and reads 20.35 sec = 20.35 sec
 The preferable alternative unit is HITTECHNE R. 2
 with the 2" KCP along the inlet @ S corner of jet
 12 x 15 to the pond
 For 1.1 M3, jet with 3" FOP & 16" = 20.35 sec


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      13      12      4      36.15      0.88      1.25      0
JUNCTION      ELEVATION      DEMAND      PRESSURE      HYDRAULIC
NO      FLOW
1      208.9      0.0      1.5      212.0
2      207.5      0.0      1.5      210.5
3      208.1      0.0      1.1      210.9
4      204.8      0.0      2.2      208.9
5      206.1      0.0      2.2      208.9
6      213.3      0.0      1.1      210.7
7      202.0      0.0      1.5      208.5
8      201.0      0.0      1.5      208.5
9      206.4      0.0      2.1      210.5
10      190.5      0.0      0.9      199.9
11      196.5      0.0      0.7      199.9
12      196.5      0.0      0.7      199.9

THE NET SYSTEM DEMAND = 0
SUMMARY OF THE INLET AND OUT FLOW =
PIPE NO      FLOW
1      15.71
2      11.35
3      5.7
4      -8.52(900)
5      15.99
6      -36.16
11
12      20.3 = 36.16 + 4.14 cfs =

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