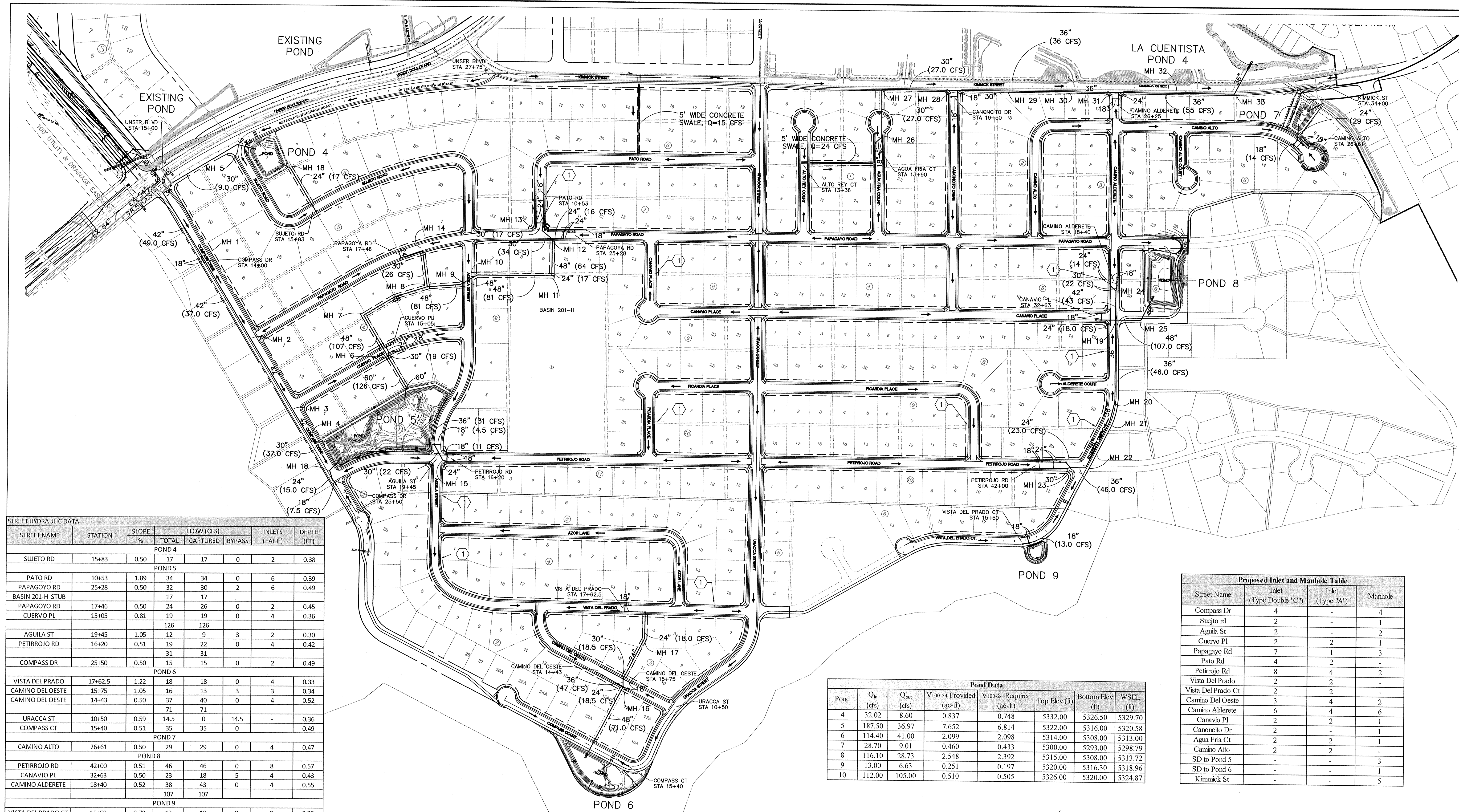




| STREET HYDRAULIC DATA |         |         |            |          |        |                   |
|-----------------------|---------|---------|------------|----------|--------|-------------------|
| STREET NAME           | STATION | SLOPE % | FLOW (CFS) |          |        | DEPTH (FT)        |
|                       |         |         | TOTAL      | CAPTURED | BYPASS |                   |
| POND 4                |         |         |            |          |        |                   |
| SUJETO RD             | 15+83   | 0.50    | 17         | 17       | 0      | 0.38              |
| POND 5                |         |         |            |          |        |                   |
| PATO RD               | 10+53   | 1.89    | 34         | 34       | 0      | 0.39              |
| PAPAGOYO RD           | 25+28   | 0.50    | 32         | 30       | 2      | 0.49              |
| BASIN 201-H           |         |         | 17         | 17       |        |                   |
| PAPAGOYO RD           | 17+46   | 0.50    | 24         | 26       | 0      | 0.45              |
| CUERVO PL             | 15+05   | 0.81    | 19         | 19       | 0      | 0.36              |
|                       |         |         | 126        | 126      |        |                   |
| AGUILA ST             | 19+45   | 1.05    | 12         | 9        | 3      | 0.30              |
| PETIRROJO RD          | 16+20   | 0.51    | 19         | 22       | 0      | 0.42              |
|                       |         |         | 31         | 31       |        |                   |
| COMPASS DR            | 25+50   | 0.50    | 15         | 15       | 0      | 0.49              |
| POND 6                |         |         |            |          |        |                   |
| VISTA DEL PRADO       | 17+62.5 | 1.22    | 18         | 18       | 0      | 0.33              |
| CAMINO DEL OESTE      | 15+75   | 1.05    | 16         | 13       | 3      | 0.34              |
| CAMINO DEL OESTE      | 14+43   | 0.50    | 37         | 40       | 0      | 0.52              |
|                       |         |         | 71         | 71       |        |                   |
| URACCA ST             | 10+50   | 0.59    | 14.5       | 0        | 14.5   | 0.36              |
| COMPASS CT            | 15+40   | 0.51    | 35         | 35       | 0      | 0.49              |
| POND 7                |         |         |            |          |        |                   |
| CAMINO ALTO           | 26+61   | 0.50    | 29         | 29       | 0      | 0.47              |
| POND 8                |         |         |            |          |        |                   |
| PETIRROJO RD          | 42+00   | 0.51    | 46         | 46       | 0      | 0.57              |
| CANAVIO PL            | 32+63   | 0.50    | 23         | 18       | 5      | 0.43              |
| CAMINO ALDERETE       | 18+40   | 0.52    | 38         | 43       | 0      | 0.55              |
|                       |         |         | 107        | 107      |        |                   |
| POND 9                |         |         |            |          |        |                   |
| VISTA DEL PRADO CT    | 15+50   | 0.72    | 13         | 13       | 0      | 0.33              |
| UNSER SD              |         |         |            |          |        |                   |
| COMPASS DR            | 14+00   | 1.87    | 5          | 5        | 0      | 0.25              |
| UNSER BLVD            |         |         |            |          |        |                   |
| UNSER BLVD            | 15+00   | 0.50    | 8          | 6.33     | 1.67   | 0.45              |
| UNSER BLVD            | 27+75   | 1.30    | 4          | 3.6      | 0.4    | 0.32              |
| LA CUENTISTA POND     |         |         |            |          |        |                   |
| ALTO REY CT           | 13+36   | 1.13    | 11         | 0        | 11     | 0.29              |
| AGUA FRIA CT          | 13+90   | 0.50    | 16         | 27       | 0      | 0.46              |
| CANONCITO DR*         | 19+50   | 1.16    | 13         | 9        | 4      | 0.31              |
| CAMINO ALDERETE*      | 26+25   | 0.59    | 21         | 19       | 2      | 0.40              |
|                       |         |         | 61         | 55       |        |                   |
| LA CUENTISTA POND     |         |         |            |          |        |                   |
| KIMMICK ST            | 34+00   | 0.77    | 3.5        | 9.5      | 0      | 2 (EXISTING) 0.33 |
| COMPASS CT            | 15+40   | 0.51    | 35         | 35       | 0      | 0.49              |

\*BYPASSED FLOWS DRAIN INTO KIMMICK ST EXISTING INLETS

M:\RR\08-400-104-00\CADD\SAD 228 DRAINAGE REPORT\PLATE 04 SD PLAN 01.dwg 1/3/2012 6:05:51 PM MST

| Pond Data |                       |                        |                                      |                                      |               |                  |
|-----------|-----------------------|------------------------|--------------------------------------|--------------------------------------|---------------|------------------|
| Pond      | Q <sub>in</sub> (cfs) | Q <sub>out</sub> (cfs) | V <sub>100-24</sub> Provided (ac-ft) | V <sub>100-24</sub> Required (ac-ft) | Top Elev (ft) | Bottom Elev (ft) |
| 4         | 32.02                 | 8.60                   | 0.837                                | 0.748                                | 5332.00       | 5326.50          |
| 5         | 187.50                | 36.97                  | 7.652                                | 6.814                                | 5322.00       | 5316.00          |
| 6         | 114.40                | 41.00                  | 2.099                                | 2.098                                | 5314.00       | 5308.00          |
| 7         | 28.70                 | 9.01                   | 0.460                                | 0.433                                | 5300.00       | 5293.00          |
| 8         | 116.10                | 28.73                  | 2.548                                | 2.392                                | 5315.00       | 5308.00          |
| 9         | 13.00                 | 6.63                   | 0.251                                | 0.197                                | 5320.00       | 5316.30          |
| 10        | 112.00                | 105.00                 | 0.510                                | 0.505                                | 5326.00       | 5320.00          |

| Proposed Inlet and Manhole Table |                         |                  |         |
|----------------------------------|-------------------------|------------------|---------|
| Street Name                      | Inlet (Type Double "C") | Inlet (Type "A") | Manhole |
| Compass Dr                       | 4                       | -                | 4       |
| Sujeito rd                       | 2                       | -                | 1       |
| Aguila St                        | 2                       | -                | 2       |
| Cuervo Pl                        | 2                       | 2                | 1       |
| Papagayo Rd                      | 7                       | 1                | 3       |
| Pato Rd                          | 4                       | 2                | -       |
| Petirrojo Rd                     | 8                       | 4                | 2       |
| Vista Del Prado                  | 2                       | 2                | -       |
| Vista Del Prado Ct               | 2                       | 2                | -       |
| Camino Del Oeste                 | 3                       | 4                | 2       |
| Camino Alderete                  | 6                       | 4                | 6       |
| Canavio Pl                       | 2                       | 2                | 1       |
| Canoncito Dr                     | 2                       | -                | 1       |
| Agua Fria Ct                     | 2                       | 2                | 1       |
| Camino Alto                      | 2                       | 2                | -       |
| SD to Pond 5                     | -                       | -                | 3       |
| SD to Pond 6                     | -                       | -                | 1       |
| Kimmick St                       | -                       | -                | 5       |

LEGEND

1 24" DOUBLE SIDEWALK CULVERT

SCALE: 1" = 200'

**WILSON & COMPANY**  
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CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING GROUP

SAD 228  
DRAINAGE REPORT

OVERALL STORM DRAIN PLAN  
UNIT 18, 19 & 22

PLATE 4

WCJ #0840010400  
NOVEMBER 2011