

Mid-Valley Drainage Management Plan

VOLUME 3 – Appendix 2

Prepared for:



The City of Albuquerque, NM

and



Albuquerque Metropolitan Arroyo
Flood Control Authority

Prepared by:



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VOLUME 3 APPENDICES

(included on a DVD in Map Pocket)

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AHYMO_97 Output File – Purpose – to Generate the SCS Type II
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APPENDIX 2.3 –

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Table CN IA - Runoff Curve Number and Additional Initial Abstraction Values for Pervious Mild Slope Basins

Urban Hydrology for Small Watersheds, US Dept. of Agriculture Soil Conservation Service Technical Release 55, June 1986.

Table 2-2a – Runoff Curve Numbers for Urban Areas

Table CN - Runoff Curve Number (CN) Assumptions for Pervious Urban Areas

Table G - Basins with Large Grass Areas Excluding Parks

Table PG - Basins with Parks and Larger Grass Areas

Chapter 10 – Estimation of Direct Runoff From Storm Rainfall. Part 630 National Engineering Handbook. U.S. Dept. of Agriculture, Natural Resources Conservation Service. Last updated July 2004. See Table 10-1.

Table HSG - Hydrologic Soil Group Summary

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STREET PONDING COMPUTATIONS AND FIGURES

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- Basin BR9
- Basin BR13
- Basin BR17
- Basin BR19
- Basin B19.1
- Basin B19.2

(A) Volume 4 - Appendix 2.8 contains:

Hand Annotated Copies of :

1. Hand Drawings of Manholes and Associated Storm Drain Pipes that were field Measured (not surveyed) by NM Underground, Inc. and those drawings are hand annotated with actual surveyed elevations (1988 Vertical Datum) as surveyed by Survey Control Inc.
2. As-built Drawings of the manholes and storm drains systems as provided by the City of Albuquerque (these are the best as-built drawings available). Conversion of a few manholes from the 1929 vertical datum to the 1988 vertical datum was required and are documented as such.

APPENDIX 2.6 – Detention Pond Routing Data

Detention / Surge Ponds

Table BLP - Broadway & Lomas Detention Pond (Plans and as-builts included)

Table TP - Tingley Surge Pond (Plans and as-builts included)

Table AQP - Air Quality Pond (Plans and as-builts included)

Retention / Detention Pond

Table 8P – NMDOT 8th St. & I-40 Retention / Detention Pond

NOTE – This pond not modeled with a detention pond routing

APPENDIX 2.7 –

Hydrographs Computed External to SWMM By Smith Engineering Company For Previous Drainage Plans

CONTAINS :

APPENDIX - Hydrograph Computations External to SWMM

Albuquerque High School Master Plan

Data, Assumptions and Hydrograph Computations by Smith Engineering Company

1 hydrograph computed that outfalls to Odelia Road

1 hydrograph computed that outfalls to Mountain Road

Gateway Center Master Drainage Plan

(now has been built out with Tri Core Labs (west) and Embassy Suites (east))

Data and Hydrograph Computations by Smith Engineering Company

1 hydrograph computed that outfalls to Mountain Road

1 hydrograph computed that outfalls to Lomas Blvd.

Combined - Albuquerque High and Gateway Center Hydrographs to Mountain Road

Combined Hydrographs into One Hydrograph into Mountain Road because SWMM

Does not allow adding Two external hydrographs to be added at one manhole

Sawmill Master Plan Area

Data and Hydrograph Computations by Smith Engineering Company

1 hydrograph computed that outfalls to Bellamah Avenue Ro