MAP: 3/5 JOINS 2/5
MAP: 3/5 JOINS 2/5
MAP: 3/5 JOINS 2/5
A13
A13
A10
A9
B29
A8
A13
A7
B26
A6
RIO GRANDE
A5
B22
B24
A3
A4
MAP: 3/5 JOINS 4/5
MAP: 3/5 JOINS 4/5
MENAUL BLVD
I-40
RIO GRANDE BLVD
LOMAS BLVD
CENTRAL AVE
I-25
BRIDGE BLVD
RIO GRANDE
1
2
3
4
5
MID-VALLEY DRAINAGE MANAGEMENT PLAN STUDY AREA BOUNDARY

CITY OF ALBUQUERQUE

AMAFCA

ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY

SUB-CONSULTANTS

EASTERLING CONSULTANTS, LLC

THOMPSON ENGINEERING CONSULTANTS, INC.

CONSENSUS PLANNING, INC.

LEGEND:

SCALE: 1" = 3000'

3000' 0 3000' 6000' Feet

🟨 ZONE A –	NO BASE FLOOD ELEVATIONS DETERMINED
🟥 ZONE AE –	BASE FLOOD ELEVATIONS DETERMINED
🟦 ZONE AH –	FLOOD DEPTHS OF 1 TO 3 FEET (USUALLY AREAS OF PONDING); BASE FLOOD ELEVATIONS DETERMINED.
🟦 ZONE AO –	FLOOD DEPTHS OF 1 TO 3 FEET (USUALLY SHEET FLOW ON SLOPING TERRAIN); AVERAGE DEPTH DETERMINED. FOR AREAS OF ALLUVIAL FAN FLOODING VELOCITIES ALSO DETERMINED.
▨ ZONE X –	AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% CHANCE ANNUAL FLOOD.
①	DRAINAGE MAP NUMBER

*FLOOD INSURANCE RATE MAP (FIRM) EFFECTIVE DATE: SEPTEMBER 26,2008.

MID-VALLEY DRAINAGE MANAGEMENT PLAN

FOR THE CITY OF ALBUQUERQUE &
ALBUQUERQUE METROPOLITAN ARROYO
FLOOD CONTROL AUTHORITY

April – 2012

SEC PROJECT NO. 110112

FIRM* PANEL AND DRAINAGE MAP INDEX

LEGEND

SYMBOLS

●	COA EXIST. MANHOLE
☒	INLET
○	PLUG
✚	FITTING
⬠	OUTLET APRON
⬡	INFLOW STRUCTURE
□	LIFT STATION
▭	DETENTION/RETENTION PONDS
⑦	DRAINAGE BASIN NUMBER
→	FLOW DIRECTION
14-H	HYDROGRAPH COMPUTED EXTERNAL TO SWMM
35-C	CLOSED BASIN
19-O	BASIN DRAINS OUT OF STUDY AREA

CERTIFICATION –
I certify that this drainage information was prepared by me or under my direct supervision.
Patrick L. Stovall, NM PE 13830

STORMDRAINS

EXISTING COA STORM DRAINS (GIS DATA)

3281	COA PIPE ID NUMBER
60	COA DIAMETER (INCHES)
0.0001	COA SLOPE (FT/FT)
RCP	COA MATERIAL
309	COA LENGTH (FEET)

EXISTING SWMM MODEL STORM DRAINS

SWMM85	SWMM PIPE ID NUMBER
54 RCP	SWMM DIAMETER (INCHES)/SWMM MATERIAL
612	SWMM LENGTH (FEET)

ABBREVIATIONS

SEC – SMITH ENGINEERING COMPANY

TOLER – SURVEY CONTROL, INC.

CONTRACTOR – NEW MEXICO UNDERGROUND, INC.

MANHOLES

EXISTING SWMM MODEL MANHOLES

CONTRACTOR #7	SEC ASSIGNED CONTRACTOR NUMBER
TOLER #25	TOLER NUMBER
RIM:4946.48	RIM ELEVATION (FEET)
MH INV:4936.56	MH INVERT ELEVATION (FEET)
PIPE #19159 INV:4936.56	COA INLET PIPE NUMBER AND INVERT
PIPE #19158 INV:4936.56	COA OUTLET PIPE NUMBER AND INVERT
COA MH#22168	COA ASSIGNED MH NUMBER
8' DIA.	COA MH DIAMETER (FEET)
TYPE E	COA MH TYPE

LINETYPES

▬	DRAINAGE BASIN BOUNDARY – ALCALDE
—	SUB-BASIN BOUNDARY – ALCALDE
▬	DRAINAGE BASIN BOUNDARY – BARELAS
—	SUB-BASIN BOUNDARY – BARELAS
▬	DRAINAGE BASIN BOUNDARY – BROADWAY
—	SUB-BASIN BOUNDARY – BROADWAY
—	EXISTING COA STORM DRAINS
—	EXISTING SWMM MODEL STORM DRAINS
5470	1 OR 2 FOOT CONTOURS

MAP SOURCE

△ NAD 83(1992) – CITY OF ALBUQUERQUE BENCHMARK NAVD 88

The 1 and 2 foot interval contours were developed from mapping obtained from the City of Albuquerque, NM. The date of the aerial photography is 2010* and contours were developed in 2007* from LIDAR technology based on various benchmarks within the area. The contours were developed based on the vertical datum NGVD 1988.
*Bohannan-Huston, Inc.

NOTES

THE STORM DRAIN AND MANHOLE INFORMATION SHOWN IN GREEN WAS OBTAINED FROM AS-BUILTS AND FIELD SURVEYS AS PROVIDED BY THE CITY OF ALBUQUERQUE.

THE STORM DRAIN DATA SHOWN IN BLUE WAS OBTAINED FROM COA GIS DATA AND HAVE NOT BEEN VERIFIED BY COMPARISON TO AS-BUILT PLANS.

SEE SWMM MODELING SCHEMATICS FOR STORM DRAIN LOCATIONS AS COMPUTED IN THE SWMM MODEL

SCALE: 1" = 100'

100' 0 100' 200' 300'Feet

MAP: 3/5 JOINS 2/5
BR8-H1
MAP: 3/5 JOINS 2/5
B28
B27
BR6
BR5
BR7-H2
DETAILED BOUNDARY NOT SHOWN, SEE GATEWAY MASTER DRAINAGE PLAN FOR BOUNDARY AND HYDROLOGY INFORMATION
HYDROLOGY SUMMARY
Q-100:
V-100:
AREA:
TRICORE LABS
24" PRIVATE S.D.
WOODWARD
BR7-H1
BR3
BR2
BR21
BR4
B25
26
BR19
BR1
BR20
B19.1
B20
B24
BR20
MAP: 3/5 JOINS 4/5

SMITH ENGINEERING COMPANY

COLORADO NEW MEXICO TEXAS

MID–VALLEY DRAINAGE MANAGEMENT PLAN

FOR THE CITY OF ALBUQUERQUE &
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DRAINAGE BASIN
MAP
FIGURE 3 of 5