HYDROLOGY

EXISTING CONDITIONS

THE EXISTING SITE IS NOT WITHIN A DESIGNATED FLOOD ZONE. THE ENTIRE SITE DRAINS TO THE NORTH TOWARD COORS BLVD AND QUAKER HEIGHTS PLACE. SOME ONSITE PONDING DOES OCCUR PRIOR TO DRAINAGE REACHING THE POINTS OF DISCHARGE.

PROPOSED CONDITIONS

THE PROPOSED SITE DRAINAGE IMPROVEMENTS WILL INCLUDE SURFACE FLOW AND STORM DRAIN CONVEYANCE TO PERIMETER "FIRST FLUSH" WATER QUALITY PONDS.

THE STORM WATER RUNOFF WILL BE DIRECTED TO A STORM DRAIN TO BE LOCATED IN THE NORTHWEST CORNER THAT WILL CONVEY THE FLOW TO THE LADERA POND 16B FACILITY. SEE SEPARATE ANALYSIS OF LADERA POND FACILITY.

REQUIRED FIRST FLUSH VOLUME

LOT DRAINAGE AS DEPICTED ON THIS PLAN SHALL BE MAINTAINED.

LOT DEPICTED HEREON SHALL BE RESPONSIBLE FOR MAINTAINING FIRST FLUSH RUNOFF RETENTION ON THE LOT IMMEDIATELY PRIOR TO DISCHARGE. THE VOLUME SHALL BE EQUAL TO: IMPERVIOUS AREA * (0.44–0.10)/12 IN CUBIC FEET.

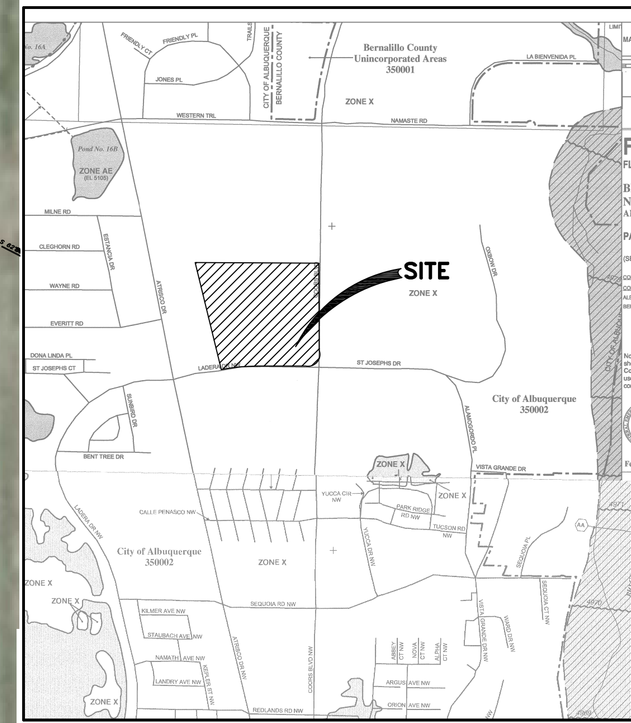
IMPERVIOUS AREA = 831,900 SQ.FT.

REQUIRED VOLUME = 831,900 * (0.44–0.10)/12 = 23,571 CU.FT.
VOLUME PROVIDED = 27,670 CU.FT.

HYDROLOGIC DATA – PROPOSED

BASINS	AREA (acres)	LAND TREATMENT PERCENTAGES BY TYPE				YIELD (cfs/ac)	Q_{100} (cfs)	V_{100-24} (acft)
		A	B	C	D			
D–1	13.36	0	10	0	90	4.13	55.23	2.04
D–2	1.26	0	10	0	90	4.14	5.20	0.19
D–3	1.39	0	10	0	90	4.14	5.76	0.21
D–4	0.82	0	10	0	90	4.15	3.40	0.12
D–5	0.99	0	10	0	90	4.15	4.09	0.15
D–6	0.93	0	10	0	90	4.23	3.93	0.14
D–7	1.51	0	10	0	90	4.14	6.23	0.23
D–8	0.94	0	10	0	90	4.15	3.88	0.14

VICINITY MAP G–11–Z



FIRM MAP 35001C0114E
35001C0327E

LEGAL DESCRIPTION Tracts X–1–A2
University of Albuquerque Urban Center
Pojected Sec. 2, T10N, R2E

LEGEND

PROPOSED FLOW DIRECTION

EXISTING FLOW DIRECTION

PROPOSED BASIN

GND, LLC
CONSULTING ENGINEERS
11032 Dreamy Way Dr. NW
Albuquerque, NM 87114
Phone: (505)-264-0472
Email: segreer@swcp.com

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY: DATE
ACCEPTANCE BY: DATE
VERIFICATION BY DATE
DRAWINGS CORRECTED BY: DATE

MICRO–FILM INFORMATION
RECORDED BY DATE
No.

BENCH MARKS
NGS/Albuquerque Control Survey Monument "JOSEPH 1969"
NM State Plane Coordinates (Central Zone –NAD27)
X=366,686.82 Y=1,502,246.75
Delta Alpha=–00°15'24"
Ground to Grid Factor=0.99967551
Elevation=5116.61 (NAVD88)

SURVEY INFORMATION
FIELD NOTES BY DATE

ENGINEER'S SEAL
SHELDON E. GREER NEW MEXICO (7154) REGISTERED PROFESSIONAL ENGINEER 7-15-16

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DESIGNED BY: SEG DATE: NOV 2016
			DRAWN BY: SEG DATE: NOV 2016
			CHECKED BY: SEG DATE: NOV 2016

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

COORS PAVILION

CONCEPTUAL GRADING AND DRAINAGE PLAN

LATEST DESIGN UPDATE	MONTH/DAY/YEAR	USER DEPARTMENT

CITY PROJECT No. | ZONE MAP No. G–11 | SHEET 1 OF 1