



LEGEND	
	EXISTING CONTOUR (MAJOR)
5102	EXISTING CONTOUR (MINOR)
	BOUNDARY LINE
• 85.46	PROPOSED SPOT ELEVATION
X 5265.16	EXISTING GRADE
× 5284.43 FL	EXISTING FLOWLINE ELEVATION
	PROPOSED RETAINING WALL
BC=89.08	BOTTOM OF CHANEL
TRW=91.50	TOP OF RETAINING WALL
/F=88.00	TOP OF FOOTING
HP	HIGH POINT

CONTAINING 11,526.00 S.F. (0.2646 ACRE)	LOT 12-A, BLOCK 2, UNIVERSITY HEIGHT AL	LEGAL DESCRIPTION:	

VICINITY MAP:

SU-2 SU-1

SITE

SU 2 SF | SU 2

YALE BLVD.

- ZONING: C-2 USES
- NOTES:
- 1: CONTOUR INTERVAL IS HALF (1.00) FOOT.
 2: ELEVATIONS ARE BASED ON CITY OF ALBUQUERQUE CONTROL STATION
 10_K15, HAVING AN ELEVATION OF __5155.755_ FEET ABOVE SEA LEVEL.
 3: UTILITIES SHOWN HEREON ARE IN THEIR APPROXIMATE LOCATION BASED ONLY ON ABOVE GROUND EVIDENCE FOUND IN THE FIELD AND AS—BUILT INFORMATION PROVIDED BY THE CLIENT. UTILITIES SHOWN HEREON, WHETHER INDICATED AS ABANDONED OR NOT, SHALL BE VERIFIED BY OTHERS FOR EXACT LOCATION AND/ OR DEPTH PRIOR TO EXCAVATION OR DESIGN CON—SIDERATIONS.
 4: THIS IS __NOT__ A BOUNDARY SURVEY, BEARINGS ARE ASSUMED, DISTANCES AND FOUND PROPERTY CORNERS ARE FOR INFORMATIONAL PURPOSES ONLY.
 5: SLOPES ARE AT 3:1 MAXIMUM.
- NOTICE TO CONTRACTORS

 1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING WORK WITHIN CITY RIGHT—OF—WAY.
- 2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985. 3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765—1234, FOR LOCATION OF EXISTING UTILITIES.
- 4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- 5. BACKFILL COMPACTION SHALL BE ACCORDING TO TRAFFIC/STREET USE. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER THE PROPERTY SERVED. 24-HOUR BASIS.
- WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A
- VERSION: 1997.02d USER NO.= . RUN DATE (MON/DAY/YR) =04/28/2014 AHYMO-I-9702c01000R31-AH

AHYMO PROGRAM SUMMARY TABLE INPUT FILE = coal.txt

AHYMO_97)

COMMAND

HYDROGRAPH IDENTIFICATION

FROM ID

N 0. TO

AREA (SQ MI)

PEAK DISCHARGE (CFS)

RUNOFF VOLUME (AC-FT)

TIME TO RUNOFF PEAK (INCHES) (HOURS)

ACRE

NOTATION

CFS PER

PAGE =

Existing Drainage Conditions

The site at its existing conditions drain partly to the east to the exiting Alley, partly to the south to Coal Avenue, and partly to the west to Yale Boulevard. The existing site to the north drains both to the east to the existing Alley and to the west to Yale Boulevard. The Alley drains to the north and to the south. No offiste runoff appears to enter the site. According to FIRM map number 35001C0353H, map revised August 16, 2012, the site does not fall within a 100-year floodplain.

* ON-SITE COMPUTE NM

:0.0 =1 RAIN QUARTER=0.0 IN ONE=2.01 IN RAIN SIX=2.35 IN DAY=2.75 IN DT=0.03333 HR

BASIN

Q-

(CFS)

(CFS)

A,

B,

C,

D

1.18

0.75

0%, 10%, 5%,

85%

100 (CFS) | Q-10 (CFS)

TREATMENT

PROPOSED

TIME=0.0

TYPE=1 RAIN QUARTER=0.0 IN

RAIN ONE=1.34 IN RAIN SIX=1.57 IN

RAIN DAY=1.83 IN DT=0.03333 HR

ON-SITE

1.20

0.77

0%,

10%, 0%, 90%

BASIN

Q-

100 (CFS)

Q-

10 (CFS)

TREATMENT

EXISTING

(CFS)

(CFS)

A,

B,

C,

D

oose of this drainage report is to present a grading and solution for the proposed project. We are requesting rough and building permit approval.

* ON-SITE COMPUTE NM HYD

Location

Lot 12-A, Block 2, University Height Addition, conta cre, is located at northeast corner of Yale Boulevard Avenue. See attached portion of Vicinity Map K-15-

ON-SITE

11,525.86

0.2646

0.000413

START
COMPUTE
START
RAINFALL
COMPUTE
START
RAINFALL
COMPUTE
START
RAINFALL
COMPUTE
START
RAINFALL
COMPUTE

TYPE=

110.00

.00041

.77

.027

1.23171

1.500

NM HYD

100.00

.00041

1.20

.044

1.98165

1.500

TIME= RAIN6= 4.526 PER IMP=

TYPE=

100.10

.00041

1.18

.043

1.93022

1.500

TIME = RAIN6 = 2.923 PER IMP = TIME = RAIN6 = 4.446 PER IMP = TIME = RAIN6 = 2.850 PER IMP = 2

.00 2.350 90.00 .00 1.570 90.00 .00 2.350 85.00 1.570

TYPE=

110.10

.00041

.026

1.18863

1.500

BASIN

AREA (SF)

AREA (AC)

 $AREA (MI^2)$

 BAS_{\perp}

NI

AREA

Proposed Conditions and On-Site Drainage Management Plan
Under the proposed conditions the runoff will enter the proposed ponds
to the south and then overflow to Yale Boulevard. Runoff to the south
will enter a seiries of depressed landcaping and will overflow to Yale
Boulevard. The runoff to the east will flow to the Alley. The pond to
the south will be graded in such a way that some will overflow to the
alley and some will overflow to the Yale boulevard. The ponds to the
south will overflow to the west to Yale Bouevard via the driveway.
The total volume for the ponds is 250 CF.

Calculations
City of Albuquerque, Development Process Manual, Section 22.2,
Hydrology Section, was used for runoff calculations. See this plan for AHYMO input and Summary output files.

* ON-SITE COMPUTE NM HYD

RAIN QUARTER=0.0 IN E=1.34 IN RAIN SIX=1.57 Y=1.83 IN DT=0.03333 HR

TOP A	REA + BOTTO)M AREA) / 2 *	TOP ELEVA	TION - BOTTO	TOP AREA + BOTTOM AREA) / 2 * (TOP ELEVATION - BOTTOM ELEVATION)
Ä	ELEV. (FT)* 64.75	ELEV. (FT)* AREA (SF)* PONDS B 64.75 38.28		ELEV. (FT)* AREA (SF)* 65.00 2.74	AREA (SF)* 2.74
	65.75	173.92		65.50	17.28
C	ELEV. (FT)*	ELEV. $(FT)^*$ AREA $(SF)^*$ POND D	POND D	ELEV. (FT)*	AREA (SF)*
	64.50	16.44		65.00	4.59
	65.50	73.90		65.50	47.27

TOTAL(A-F) = 250.52 CF TOP AND BOTTOM AREA FOR EACH PONI

65.50

32.61 65.10

65.00

POND CALCULATIONS

VOL = (TOP)	AREA + BOTTC)M AREA) / 2 *	(TOP ELEVA	VOL = (TOP AREA + BOTTOM AREA) / 2 * (TOP ELEVATION - BOTTOM ELEVATION)	M ELEVATION
PONDS A	ELEV. (FT)*	AREA (SF)*	B SQNO	*PONDSA ELEV. (FT)* AREA (SF)* $PONDSB$ ELEV. (FT)* AREA (SF)*	AREA (SF)*
	64.75	38.28		65.00	2.74
	65.75	173.92		65.50	17.28
			1	Ì	
PONDS C	\mid ELEV. (FT)* \mid AREA (SF)* \mid POND D	AREA (SF)*	POND D	\mid ELEV. (FT)* \mid AREA (SF)*	AREA (SF)*
	64.50	16.44		65.00	4.59
	65.50	73.90		65.50	47.27
POND F	FIFV (FT)* ARFA (SF)* POND F	ARHA (SH)*		FI FV (FT)* ARFA (SF)*	ARFA (SF)*

SBS CONSTRUCTION AND ENGINEERING, LI

10209 SNOWFLAKE CT., NW ALBUQUERQUE, NEW MEXICO 87114 (505)899-5570

ZA AFAGHPOUR P.E. #11814

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DATE:	DRAINAGE I	
SHEET #	E PLAN	

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)RAWING: I	UNADINU AIND DNAINAUE I	

D 201314-GR.DWG SH-B