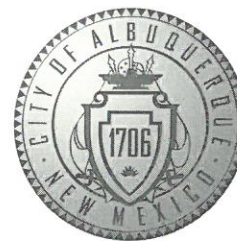


CITY OF ALBUQUERQUE



April 27, 2018

Reza Afaghpour, PE
SBS Construction and Engineering, LLC
10209 Snowflake Ct NW
Albuquerque, NM 87114

**Re: Addition
 3404 Stanford Dr. NE
 Request Permanent C.O. - Accepted
 Engineer's Stamp dated: 9-14-16 (G16D151)
 Certification dated: 4-23-18**

Dear Mr. Afaghpour,

Based on the Certification received 4/24/2018, the site is acceptable for release of Certificate of Occupancy by Hydrology.

If you have any questions, you can contact me at 924-3686 or Totten Elliott at 924-3982.

Sincerely,

James D. Hughes, P.E.
Principal Engineer, Planning Dept.
Development and Review Services

TE/JH

C: email, Serna, Yvette M.; Fox, Debi; Tena, Victoria C.; Sandoval, Darlene M;
 Zamora, Renee

NOTICE TO CONTRACTORS

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY 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.
6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
7. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.

Location

TR N-2 is located at 3404 Stanfor Dr. NE containing 0.7346 acre. See attached portion of Vicinity Map G-16-Z for exact location.

Purpose

The purpose of this drainage report is to present a grading and drainage solution for the proposed 4340 sf addition. We are requesting building permit approval.

Existing Drainage Conditions

The site is fairly flat. Only existing spot elevation are shown. The site does not fall within a 100 year floodplain. No offsite flows enter this site. The site drains from east to west to Stanford Dr. Under the current conditions the site generates a runoff of 2.84 cfs.

Proposed Conditions and On-Site Drainage Management Plan

The runoff will continue to drain Stanford Dr. under the proposed conditions. The site under the proposd conditions generates a runoff of 2.99 cfs, only an increase of 0.15 cfs from existing conditions. The increase in runoff is very insignificant and will not have any impact on the downstream strom drain structures capacity. First Flush ponds are proposed to intercept the 0.34 inches of the impervious area (4340 sf). See Grading plan for calculations and location of the First Flush ponds.

ZONE 2

* 100-YEAR, 6-HR STORM (UNDER EXISITNG CONDITIONS) *

START TIME=0.0
RAINFALL TYPE=1 RAIN QUARTER=0.0 IN
RAIN ONE=2.01 IN RAIN SIX=2.35 IN
RAIN DAY=2.75 IN DT=0.03333 HR

* ON-SITE
COMPUTE NM HYD ID=1 HYD NO=100.0 AREA=0.001148 SQ MI
PER A=0.00 PER B=0.00 PER C=55.00 PER D=45.00
TP=0.1333 HR MASS RAINFALL=-1

* 10-YEAR, 6-HR STORM (UNDER EXISTING CONDITIONS) *

START TIME=0.0
RAINFALL 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
COMPUTE NM HYD ID=1 HYD NO=110.0 AREA=0.001148 SQ MI
PER A=0.00 PER B=0.00 PER C=55.00 PER D=45.00
TP=0.1333 HR MASS RAINFALL=-1

* 100-YEAR, 6-HR STORM (UNDER PROPOSED CONDITIONS) *

START TIME=0.0
RAINFALL TYPE=1 RAIN QUARTER=0.0 IN
RAIN ONE=2.01 IN RAIN SIX=2.35 IN
RAIN DAY=2.75 IN DT=0.03333 HR

* ON-SITE
COMPUTE NM HYD ID=1 HYD NO=100.1 AREA=0.001148 SQ MI
PER A=0.00 PER B=0.67 PER C=40.73 PER D=58.60
TP=0.1333 HR MASS RAINFALL=-1

* 10-YEAR, 6-HR STORM (UNDER PROPOSED CONDITIONS) *

START TIME=0.0
RAINFALL 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
COMPUTE NM HYD ID=1 HYD NO=110.1 AREA=0.001148 SQ MI
PER A=0.00 PER B=0.67 PER C=40.73 PER D=58.60
TP=0.1333 HR MASS RAINFALL=-1

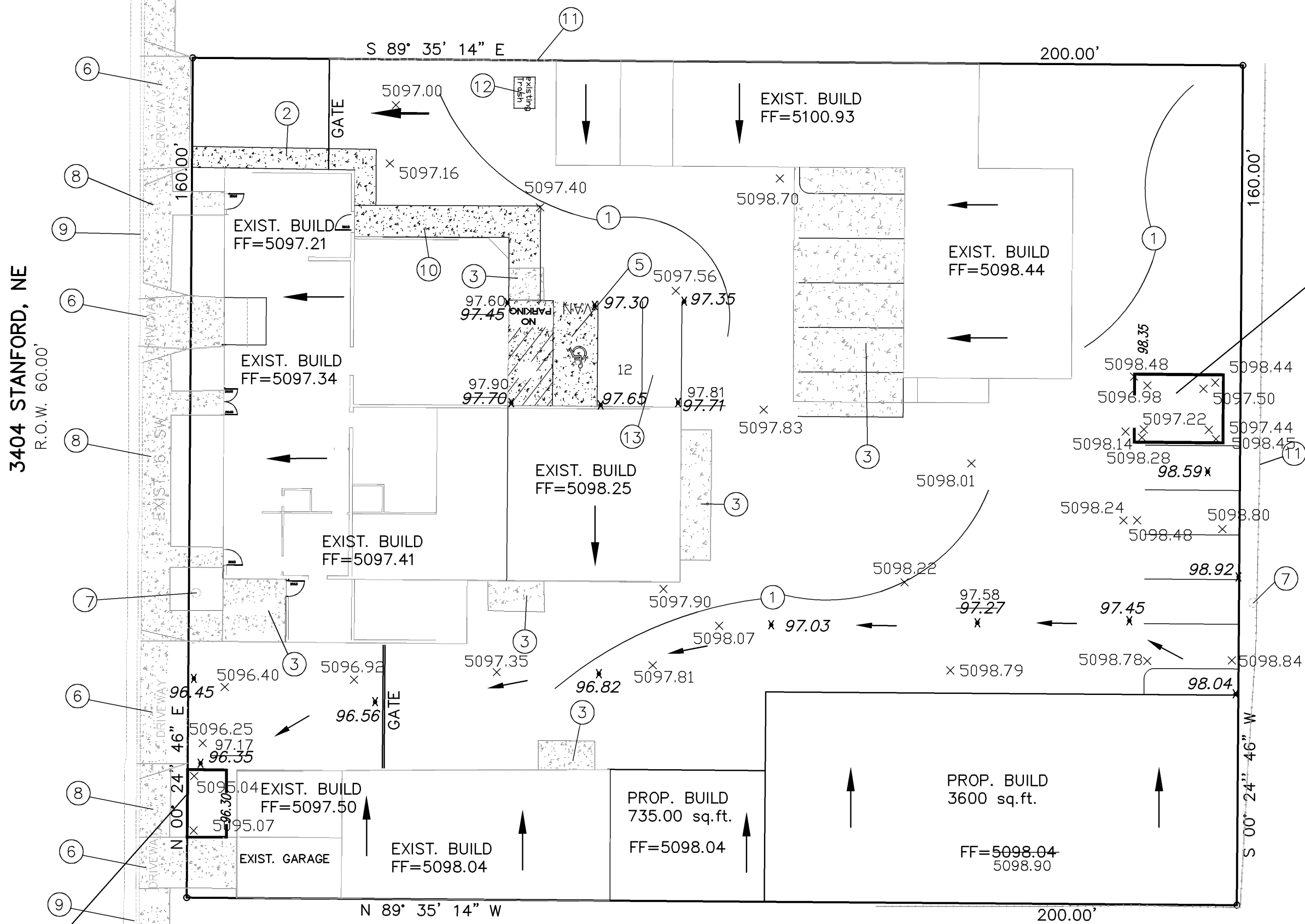
FINISH

AHYMO PROGRAM SUMMARY TABLE (AHYMO_97) -
INPUT FILE = STANFORD.TXT

— VERSION: 1997.02d RUN DATE (MON/DAY/YR) = 07/10/2016
USER NO. = AHYMO-I-9702c01000R31-AH

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	PAGE = 1
START	RAINFALL TYPE= 1									
COMPUTE NM HYD	100.00	—	1	.00115	2.84	.096	1.57226	1.500	3.868	TIME= .00 RAIN6= 2.350 PER IMP= 45.00
START	RAINFALL TYPE= 1									
COMPUTE NM HYD	110.00	—	1	.00115	1.72	.054	.88193	1.500	2.344	TIME= .00 RAIN6= 1.570 PER IMP= 45.00
START	RAINFALL TYPE= 1									
COMPUTE NM HYD	100.10	—	1	.00115	2.99	.104	1.70372	1.500	4.074	TIME= .00 RAIN6= 2.350 PER IMP= 58.60
START	RAINFALL TYPE= 1									
COMPUTE NM HYD	110.10	—	1	.00115	1.86	.061	.99270	1.500	2.530	TIME= .00 RAIN6= 1.570 PER IMP= 58.60
FINISH										

WATER HARVESTING
LANDSCAPING/PONDING AREA—B
DEPTRESSED 12"
TOP SURFACE AREA=96.45 SF
VOL=48.22 CF



WATER HARVESTING
LANDSCAPING/PONDING AREA—A
DEPTRESSED 12"
TOP SURFACE AREA=218.24 SF
VOL=109.12 CF

DRAINAGE CERTIFICATION

I, REZA AFAGHPOUR, NMPE 11814, OF SBS CONSTRUCTION AND ENGINEERING, LLC, HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 09-14-2016. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY NMPS 9801 (LEONARD MARTINEZ), OF SBS CONSTRUCTION AND ENGINEERING, LLC. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR FINAL CERTIFICATE OF OCCUPANCY.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

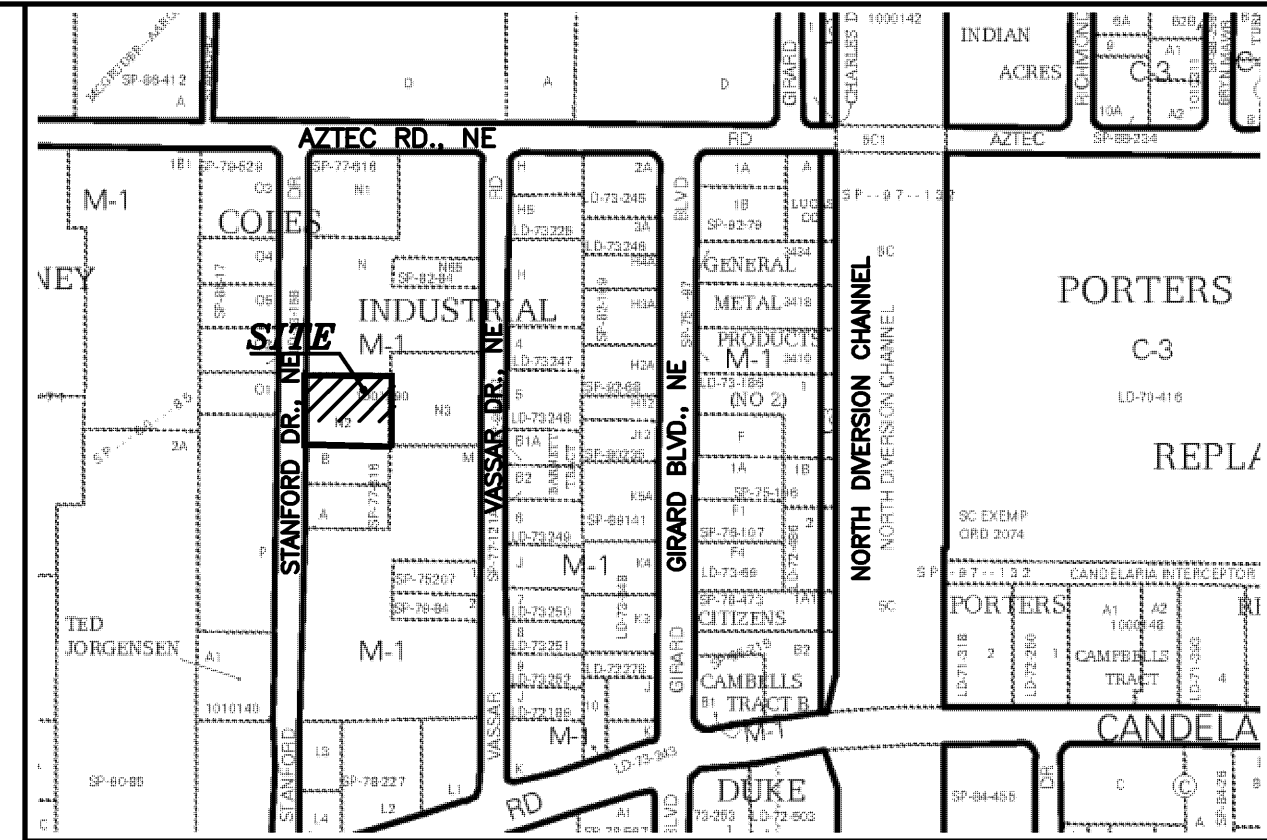
REZA AFAGHPOUR, NMPE 11814
04-23-2018
04-23-2018
DATE

KEYED NOTES:

1. EXISTING GRAVEL/ RECYCLED ASPHALT AREA.
2. NEW 4' SIDEWALK PEDESTRIAN ACCESS.
3. EXISTING CONCRETE PAD.
4. 8.50' WIDE X 18' DEEP PARKING SPACES, TYP.
5. NEW HC PARKING SPACES, SLOID SURFACE, TYP.
6. EXISTING DRIVE WAY PER CITY STD DWG #2425.
7. EXIST. POWER POLE, TYP.
8. EXISTING 6' SIDEWALK, TO REMAIN UNDISTURBED
9. EXISTING STANDARD CURB & GUTTER
10. NEW CONC. 6' HC ACCESS WAY, ADA COMPLIANT
11. EXIST. CHAIN LINK FENCE
12. EXISTING TRASH ENCLOSURE.
13. NEW MOTORCYCLE PARKINGS (4'X8' MIN.)

LEGEND

- 5030 — EXISTING CONTOUR (MAJOR)
- 5029 — EXISTING CONTOUR (MINOR)
- BOUNDARY LINE
- X 96.82 PROPOSED SPOT ELEVATION
- X 5029.16 EXISTING GRADE
- X 5028.65 EXISTING FLOWLINE ELEVATION
- PROPOSED RETAINING WALL
- BC=89.08 BOTTOM OF CHANEL
- TC=28.50 TOP OF CURB
- TA=28.00 TOP OF ASPHALT
- HP HIGH POINT
- 97.58 AS-BUILT GRADES
- 97.27 AS-BUILT SPOT ELEVATIONS
- X 5098.79



VICINITY MAP:

G-16-Z

LEGAL DESCRIPTION:

TR N-2 BLK N PLAT OF N-2 & N-3 BLK N COLE'S INDUSTRIALSUB'D #2
CONTAINING 0.7346 ACRE
ZONING: M-1
ADDRESS: 3404 STANFORD DR NE

GENERAL NOTES:

1. CONTOUR INTERVAL IS HALF (1.00) FOOT.
2. ELEVATIONS ARE BASED ON CITY OF ALBUQUERQUE CONTROL STATION 8_B14, HAVING AN ELEVATION OF 5025.358 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 CONSIDERATIONS.
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.

GRAPHIC SCALE



SBS CONSTRUCTION AND ENGINEERING, LLC

10209 SNOWFLAKE CT., NW
ALBUQUERQUE, NEW MEXICO 87114
(505)899-3570

3404 STANFORD DR NE ADDITION
GRADING AND DRAINAGE PLAN

DRAWING:	DRAWN BY:	DATE:	SHEET #
201606-SITE-GD.DWG	SH-B	7-10-2016	1