

CITY OF ALBUQUERQUE



September 28, 2016

Richard J. Berry, Mayor

Mr. Reza Afaghpour, P.E.
SBS Construction and Engineering
10209 Snowflake Court NW
Albuquerque, NM, 87114

**RE: 3404 Stanford Dr. NE Addition
Grading and Drainage Plan
Engineer's Stamp Date 9-14-2016 (File: G16D151)**

Dear Mr. Afaghpour:

Based upon the information provided in your submittal received 9-16-2016, the above-referenced plan is approved for Building Permit.

PO Box 1293

Please attach a copy of this approved plan in the construction sets when submitting for a building permit. Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

Albuquerque

If you have any questions, you can contact me at 924-3986.

New Mexico 87103

Sincerely,

www.cabq.gov

Abiel Carrillo, P.E.
Principal Engineer, Planning Dept.
Development Review Services

Orig: Drainage file



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 10/2015)

Project Title: 3404 STANFORD DR., NE ADDITION Building Permit #: _____ Hydrology File #: G16D151
DRB#: _____ EPC#: _____ Work Order#: _____
Legal Description: LOT N-2, BLOCK N, COLE'S INDUSTRIAL SUB.#2
City Address: 3404 STANDROCK AVE., NE

Applicant: SBS CONSTRUCTION AND ENGINEERING, LLC Contact: SHAWN BIAZAR
Address: 10209 SNOWFLAKE CT., NW, ALBUQUERQUE, NM 87114
Phone#: (505) 804-5013 Fax#: (505) 897-4996 E-mail: AECLLC@AOL.COM

Other Contact: _____ Contact: _____
Address: _____
Phone#: _____ Fax#: _____ E-mail: _____

Check all that Apply:

DEPARTMENT:

- ☒ HYDROLOGY/ DRAINAGE
☐ TRAFFIC/ TRANSPORTATION
☐ MS4/ EROSION & SEDIMENT CONTROL

TYPE OF SUBMITTAL:

- ☐ ENGINEER/ARCHITECT CERTIFICATION
☐ CONCEPTUAL G & D PLAN
☒ GRADING PLAN
☐ DRAINAGE MASTER PLAN
☒ DRAINAGE REPORT
☐ CLOMR/LOMR
☐ TRAFFIC CIRCULATION LAYOUT (TCL) \$100.00
☐ TRAFFIC IMPACT STUDY (TIS)
☐ EROSION & SEDIMENT CONTROL PLAN (ESC)
☐ OTHER (SPECIFY) _____

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

- ☒ BUILDING PERMIT APPROVAL
☐ CERTIFICATE OF OCCUPANCY
☐ PRELIMINARY PLAT APPROVAL
☐ SITE PLAN FOR SUB'D APPROVAL
☐ SITE PLAN FOR BLDG. PERMIT APPROVAL
☐ FINAL PLAT APPROVAL
☐ SIA/ RELEASE OF FINANCIAL GUARANTEE
☐ FOUNDATION PERMIT APPROVAL
☐ GRADING PERMIT APPROVAL
☐ SO-19 APPROVAL
☐ PAVING PERMIT APPROVAL
☐ GRADING/ PAD CERTIFICATION
☐ WORK ORDER APPROVAL
☐ CLOMR/LOMR
☐ PRE-DESIGN MEETING?
☐ OTHER (SPECIFY) _____

IS THIS A RESUBMITTAL?: ☒ Yes ☒ No

DATE SUBMITTED: 9-16-2016 By: SHAWN BIAZAR

COA STAFF: _____ ELECTRONIC SUBMITTAL RECEIVED: _____

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

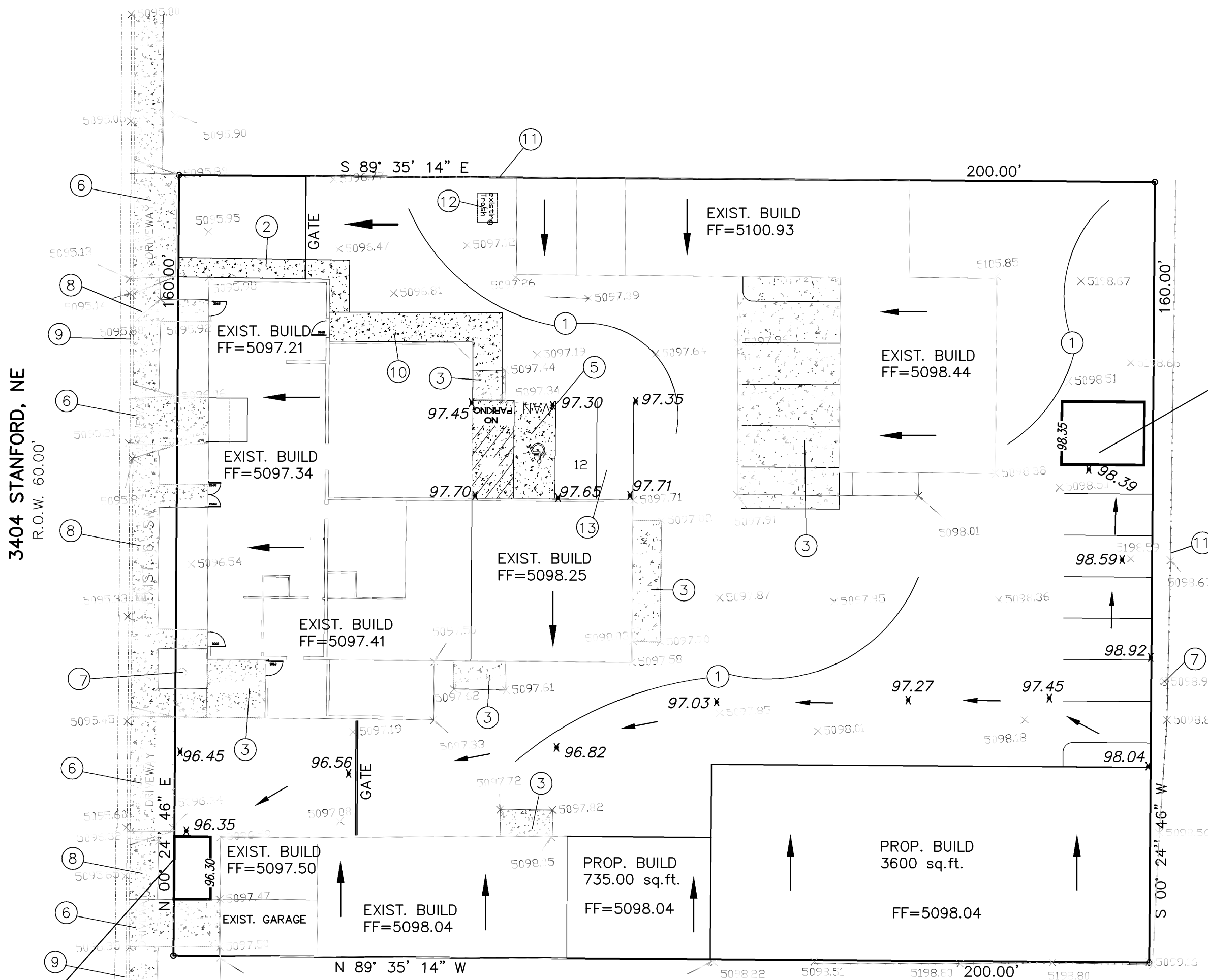
FINISH

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

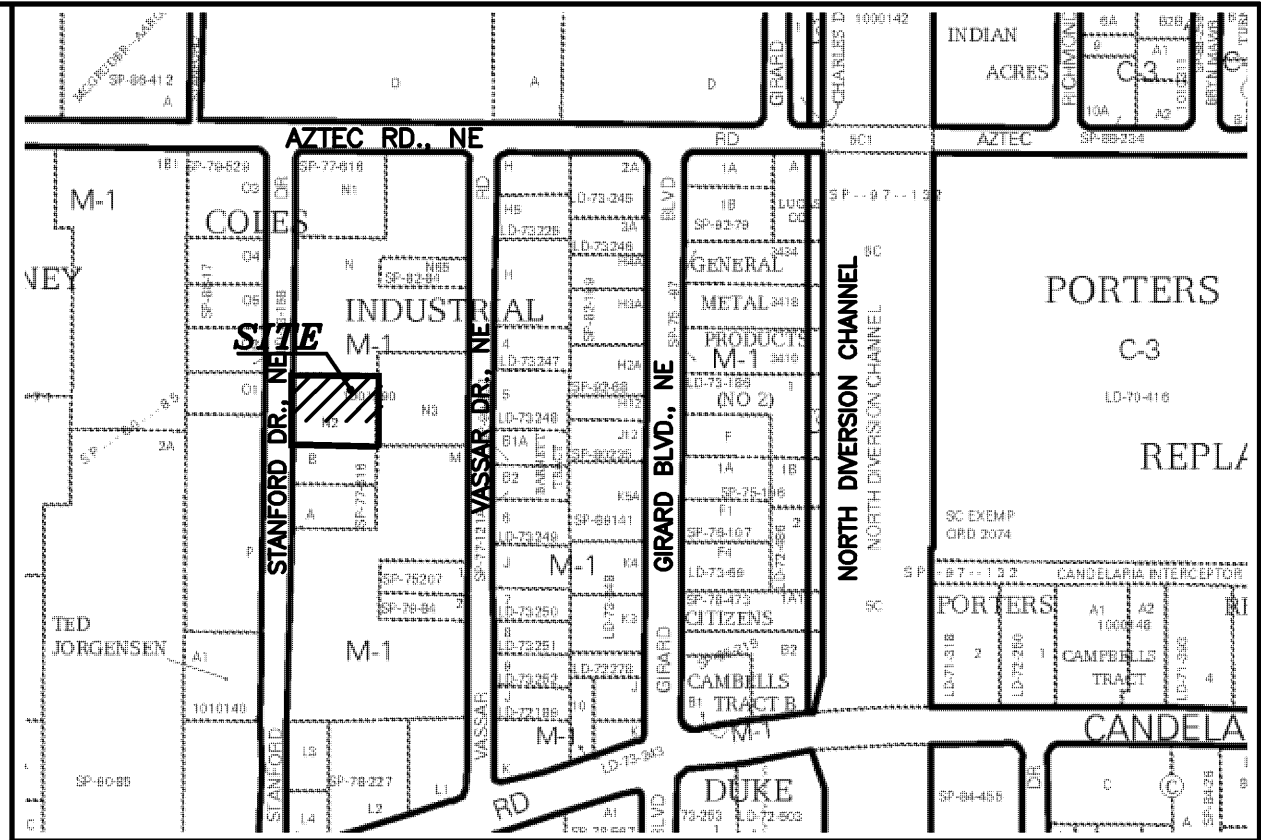


WATER HARVESTING
LANDSCAPING/PONDING AREA-A
DEPTRESSED 12"
TOP SURFACE AREA=218.24 SF
VOL=109.12 CF

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.)

GRAPHIC SCALE



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.

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
86.65	AS-BUILT GRADES
x 86.65	AS-BUILT SPOT ELEVATIONS



REZA AFAGHPOUR
P.E. #11814

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

LAST REVISION: 09-12-2016