

## AHYMO INPUT FILE

\* ZONE 2 \*\*\*\*\*\*\*\*\*\*\*\* \* 100-YEAR, 6-HR STORM (UNDER EXISTING / PROPOSED CONDITIONS) \*

TYPE=1 RAIN QUARTER=0.0 IN RAINFALL RAIN ONE=2.01 IN RAIN SIX=2.35 IN RAIN DAY=2.75 IN DT=0.03333 HR ID=1 HYD NO=101.0 AREA=0.001068 SQ MI COMPUTE NM HYD PER A=0.00 PER B=10.00 PER C=0.00 PER D=90.00 TP=0.1333 HR MASS RAINFALL=-1

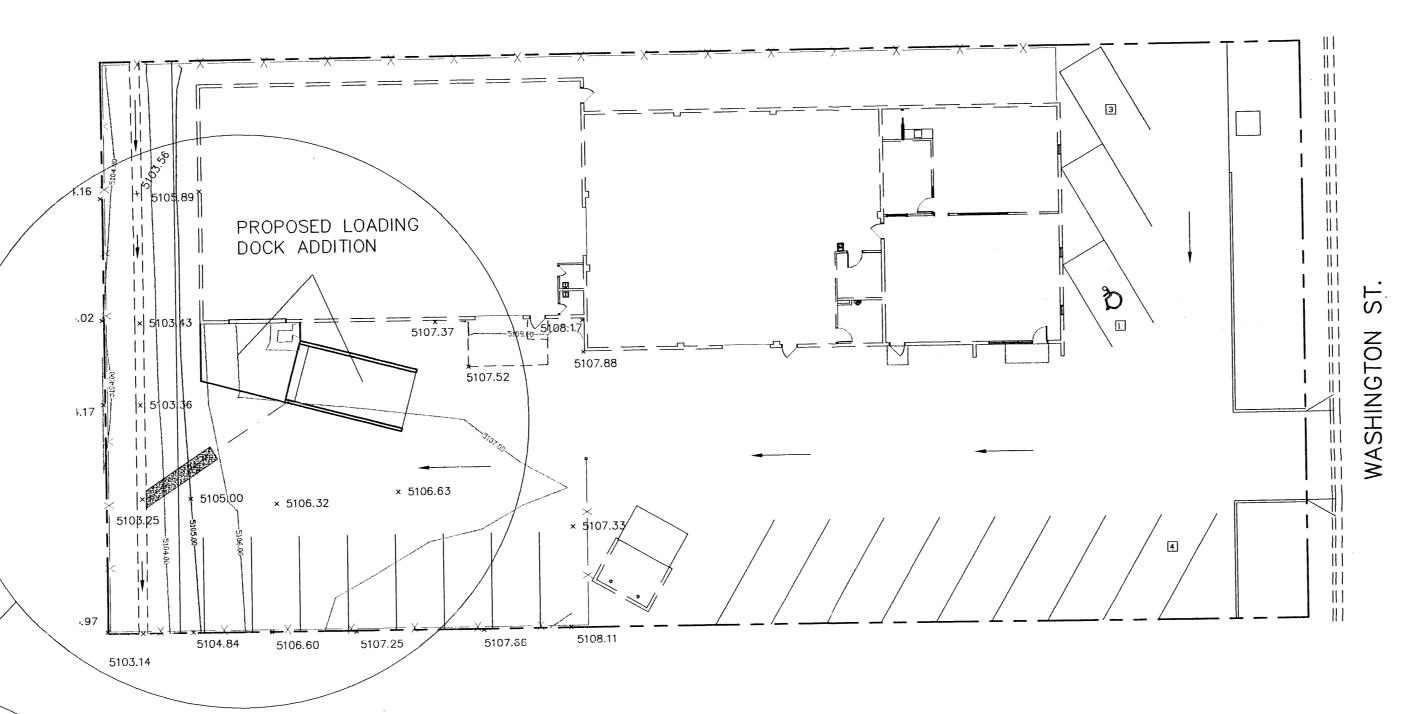
\* 10-YEAR, 6-HR STORM (UNDER EXISTING / PROPOSED CONDITIONS) \* TYPE=1 RAIN QUARTER=0.0 IN RAINFALL RAIN ONE=1.34 IN RAIN SIX=1.57 IN

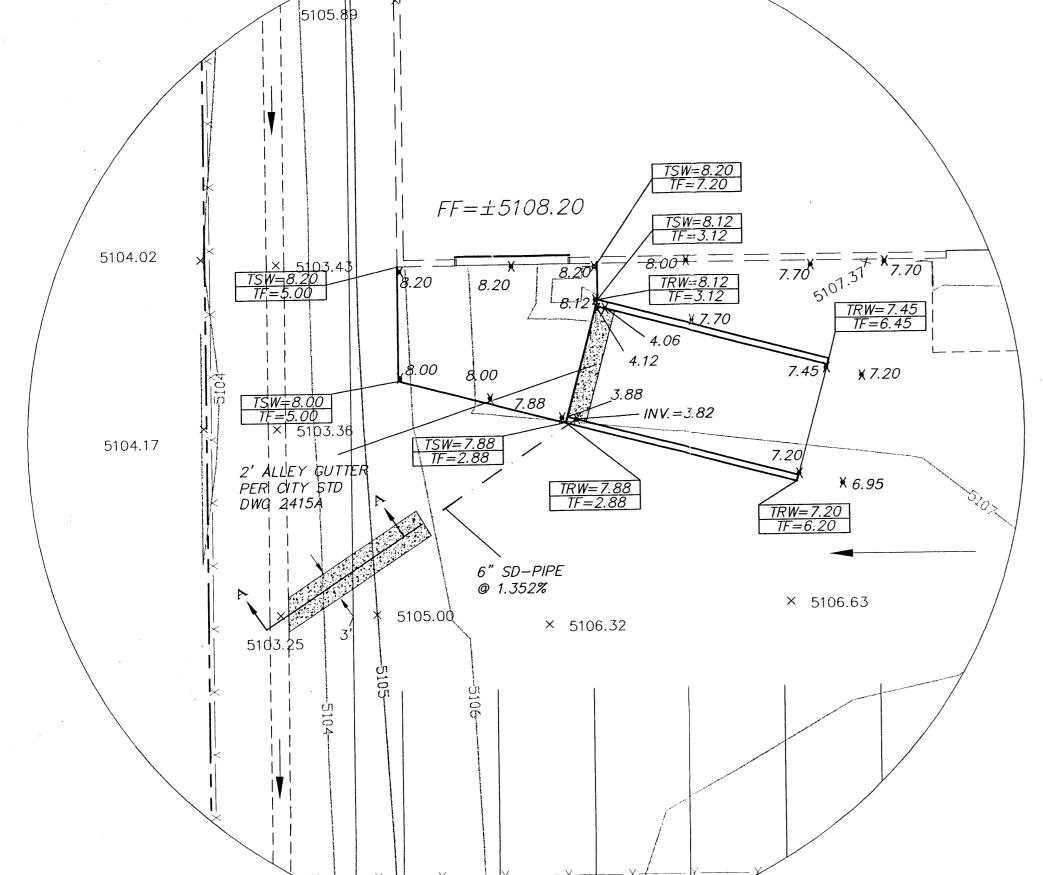
RAIN DAY=1.83 IN DT=0.03333 HR ID=1 HYD NO=101.0 AREA=0.001563 SQ MI COMPUTE NM HYD PER A=0.00 PER B=20.00 PER C=20.00 PER D=60.00 TP=0.1333 HR MASS RAINFALL=-1 

FINISH

## SUMMARY OUTPUT FILE

DROGRAPH FICATION	FROM ID NO.	TO ID NO.	AREA	PEAK DISCHARGE	RUNOFF VOLUME	RUNOFF	PEAK	PER		
			(SQ MI)	(CFS)	(AC-FT)	(INCHES)	(HOURS)	ACRE	NOTATIO	)N
			00107	3 06	.113	1.98165	1.500	4.481	TIME= RAIN6= PER IMP=	2.3 90.
101.00	-	1	.00107	3.00				0 204	TIME= RAIN6=	1.5 60.
	101.00				101.00	101.00 - 1 .0020.	101.00 - 1 .00107 3.00 .110 2.001	101.00 - 1 .00107 3.00 .113 1.500	101.00 - 1 .00107 3.06 .113 113553 1.500 2.384	101.00 - 1 .00107 3.06 .113 1.98165 1.500 4.481 PER IMP= TIME= RAIN6=





5106.60

SCALE 1"=10'

RUNOFF CALCULATIONS

DEPTH (INCHES) @ 100-YEAR STORM

DEPTH (INCHES) @ 10-YEAR STORM

See the summary output from AHYMO calculations.

The site is @ Zone 2

P60 = 2.01 inches

P360 = 2.35 inches

 $P60 = 2.01 \times 0.667$ 

= 1.34 inches

P360 = 1.57

P1440 = 1.83

P1440 = 2.75 inches

(INPUT DATA FOR AHYMO CALCULATIONS)

**GENERAL NOTES:** 1: ADD 5100 TO SPOT ELEVATIONS TO SHOW TRUE ELEVATION.

2: CONTOUR INTERVAL IS ONE (1) FOOT.

3: ELEVATIONS ARE BASED ON CITY OF ALBUQUERQUE CONTROL STATION HAVING AN ELEVATION OF 5107.948 FEET ABOVE SEA LEVEL.

4: 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-

5: THIS IS NOT A BOUNDARY SURVEY, BEARINGS ARE ASSUMED, DISTANCES AND FOUND PROPERTY CORNERS ARE FOR <u>INFORMATIONAL PURPOSES ONLY.</u>

6: SLOPES ARE AT 3:1 MAXIMUM.

4" CONC.

6" SD-PIPE

SECTION A-A

MATCH EDGE OF EXISITNG

ALLEY GUTTER,

3.33

ALLEY GUTTER

**EXISTING** 

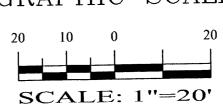
FL = 3.25

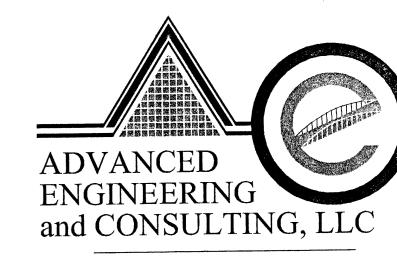
EROSION CONTROL PLAN AND POLLUTION PREVENTION NOTES

- CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
- 2. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT OUT OF EXISTING RIGHT-OF-WAY.
- 3. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL STORM
- 4. REPAIR OF DAMAGED FACILITIES AND CLEAN-UP OF SEDIMENT ACCUMULATION ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- 5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY
- 6. ALL THE DISTURBED AREAS MUST BE REVEGETATED.



GRAPHIC SCALE





SHAHAB BIAZAR P.E. #13479

LAST REVISION: 09-29-200

4416 ANAHEIM AVE., NE ALBUQUERQUE, NEW MEXICO 87113

LOADING DOCK ADDITION LOT 32A, CLIFFORD INDUSTRIAL PARK GRADING AND DRAINAGE PLAN DRAWN BY: DRAWING: 1 OF 1 200550-GR.DWG

HYDROLOGY SECTION

DATE

ROUGH GRADING APPROVAL

VICINITY MAP: LEGAL DESCRIPTION: LOT 32A, CLIFFORD INDUSTRIAL PARK CONTAINING 29,782.63 SQUARE FEET (0.6837 ACRES)

8401 WASHINGTON STREET

MORE OR LESS.

**ADDRESS** 

LEGEND

EXISTING METER EXISTING VALVE W/BOX  $\bowtie$ EXISTING FIRE HYDRANT

EXISTING AIR RELEASE VALVE EXISTING REDUCER

EXISTING SAS MANHOLE

WASHINGTON PL

CORONA LP.

ANAHEIM AVE

C-17-Z

----EX. 8" SAS--- EXISTING SANITARY SEWER LINE ---- EX. 16" WL--- EXISTING WATER LINE

======== EXISTING CURB & GUTTER

EXISTING CURB & GUTTER \_\_\_\_\_5100\_\_\_\_ EXISTING CONTOUR (MAJOR)

\_\_\_\_\_5102\_\_\_\_\_ EXISTING CONTOUR (MINOR)

\_\_\_\_\_ BOUNDARY LINE \_\_\_ \_\_ EASEMENT

\_\_\_\_ LIMITS OF TOP OF EXISTING SLOPE

PROPOSED SIDEWALK PROPOSED GRADE

PROPOSED SPOT ELEVATION ¥ 70.28

EXISTING GRADE × 5106.63 ——————— EXISTING POWER LINES

\_\_\_\_\_X \_\_\_\_X \_\_\_\_ EXISTING FENCE \_\_\_\_\_\_ 100YR-WSEL \_\_\_\_\_ 100-YEAR WSEL (FROM HEC-RAS OUTPUT)

\_\_\_\_\_ 100YR-EGL \_\_\_\_ EXISTING FENCE ---- FEMA --- FLOODPLAIN LIMITS FROM FEMA MAP

EXISTING GARDEN WALL

PROPOSED RETAINING WALL PROPOSED EXTENDED STEM WALL

TOP OF RETAINING WALL TOP OF FOOTING TOP OF EXTENDED STEM WALL

TOP OF FOOTING