

PHASE ONE AREA
10971 Sq Ft

COMMENTS

THE INCREASE IN RUNOFF AMOUNTS TO AN INCREASE OF ONLY 0.57%
THE DOWN STREAM CAPACITY IS SUFFICIENT TO CARRY THIS INCREASE.

HYDROLOGIC DATA

START TIME=0.0 CODE 0 LINES 80
*S COMPUTE 100 YR. HYDROGRAPHS FOR THE SCOTTSDALE VILLAGE PHASE ONE RENOVATION
*S SCOTTSDALE.TXT - ANYMO PER JAN 1987 DPM REVISIONS

RAINFALL TYPE=-1 RAIN QUANT=0.0 RAIN ONE= 2.14
RAIN SIZE= 2.60 RAIN DAY=3.10 DT=0.00333
*S UNINVOLVED PORTION OF THE WHOLE SITE
COMPUTE NM HYD ID=1 HYD NO= 101.1 DA=0.005285 SQ MI
PER A 10 PER B 0 PER C 0 PER D 90 TP=-.13
RAIN=-1 DT=0.0
ID=1 CODE=10

PRINT HYD
*S COMPUTE 100 YR HYDROGRAPHS FOR EXISTING PHASE ONE SITE
COMPUTE NM HYD ID=2 HYD NO= 102.1 DA=0.0053835 SQ MI
PER A 0 PER B 28 PER C 0 PER D 71 TP=-.13
RAIN=-1 DT=0.0
ID=2 CODE=10

PRINT HYD
*S COMPUTE 100 YR HYDROGRAPHS FOR PROPOSED PHASE ONE SITE
COMPUTE NM HYD ID=3 HYD NO= 103 DA=0.0053835 SQ MI
PER A 0 PER B 13 PER C 0 PER D 87 TP=-.13
RAIN=-1 DT=0.0
ID=3 CODE=10

PRINT HYD
*S RUNOFF FOR EXISTING SCOTTSDALE VILLAGE
ADD HYD ID 5 HYD 105 ID 1 ID 2
PRINT HYD ID 5 CODE 10
*S RUNOFF FOR SCOTTSDALE VILLAGE WITH PROPOSED PHASE ONE REMODEL
ADD HYD ID 7 HYD 107 ID 1 ID 3
PRINT HYD ID 7 CODE 10

FINISH

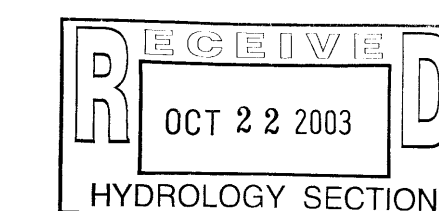
ANIMO PROGRAM SUMMARY TABLE (ANIMO 97) -
INPUT FILE = D:\ANIMO\SCOTT.TXT

VERSION: 1997.02a RUN DATE (MON/DAY/YR) = 10/23/2003
USER NO. = ANIMO-1-9702a01000076-SH

COMMAND	HYDROGRAPH IDENTIFICATION NO.	ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	PAGE = 1
START								TIME= .00	
*S COMPUTE 100 YR. HYDROGRAPHS FOR THE SCOTTSDALE VILLAGE PHASE ONE RENOVATION	SCOTTSDALE.TXT							RAIN= 2.600	
*S RAINFALL TYPE= 1									
*S UNINVOLVED PORTION OF THE WHOLE SITE									
COMPUTE NM HYD	101.10	1	.00529	16.10	.616	2.18524	1.500	4.759 PER IMP= 90.00	
*S COMPUTE 100 YR HYDROGRAPHS FOR EXISTING PHASE ONE SITE									
COMPUTE NM HYD	102.10	2	.00539	1.12	.041	1.93930	1.500	4.447 PER IMP= 71.00	
*S COMPUTE 100 YR HYDROGRAPHS FOR PROPOSED PHASE ONE SITE									
COMPUTE NM HYD	103.00	3	.00539	1.22	.046	2.16879	1.500	4.836 PER IMP= 87.00	
*S RUNOFF FOR EXISTING SCOTTSDALE VILLAGE									
ADD HYD	105.00	18 2 5	.00568	17.23	.657	2.16810	1.500	4.737	
*S RUNOFF FOR SCOTTSDALE VILLAGE WITH PROPOSED PHASE ONE REMODEL									
ADD HYD	107.00	18 3 7	.00568	17.32	.661	2.18400	1.500	4.764	
FINISH									

LEGEND

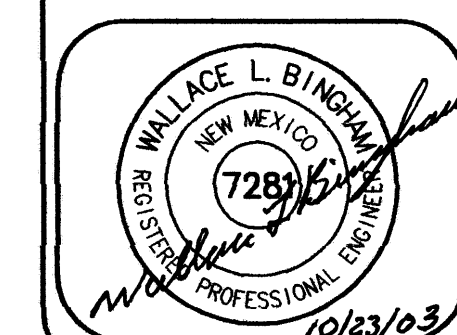
- TC 98.43 PROPOSED TOP OF CURB ELEVATION
- PROPOSED SPOT ELEVATION
- EXISTING SPOT ELEVATION (GRND & TC)
- TEMPORARY PAVING
- PROPOSED CURB & GUTTER
- EXISTING CURB AND GUTTER
- EXISTING CONTOUR W/ INDEX ELEVATION
- PROPOSED CONTOUR W/ INDEX ELEVATION
- FLOW ARROW
- STORM DRAIN WITH MANHOLE & INLETS
- PROPOSED STORM DRAIN
- PROPOSED STORM SEWER CATCH BASIN
- PROPOSED WATER BLOCK
- BASIN BOUNDARY
- SUB BASIN BOUNDARY
- PHASE LINE
- RETAINING WALL



SCOTTSDALE VILLAGE SHOPPING CTR

GRADING AND DRAINAGE PLAN

Date OCTOBER 2003



BINGHAM ENGINEERING
ALBUQUERQUE, NEW MEXICO
505 797 4699

1 of 1

OVERALL SITE PLAN NOTES:

THE SITE PLAN ON THIS SHEET IS SCHEMATIC IN NATURE AND IS INCLUDED IN THIS SET FOR REFERENCE ONLY. ALL BUILDINGS, PARKING LOT PAVING, AND STRIPING ARE EXISTING TO REMAIN. THE EXTENT OF NEW WORK FOR THIS PROJECT IS CONFINED TO AN EXTERIOR REMODEL OF 5,425 SF BUILDING 4 ONLY.

Existing Conditions
Proposed Conditions

Offsite Flow

Show existing building

Is this a remodel, or is the existing building being destroyed?

Describe flow

- down stream capacity from site to Candelaria?

Contours?