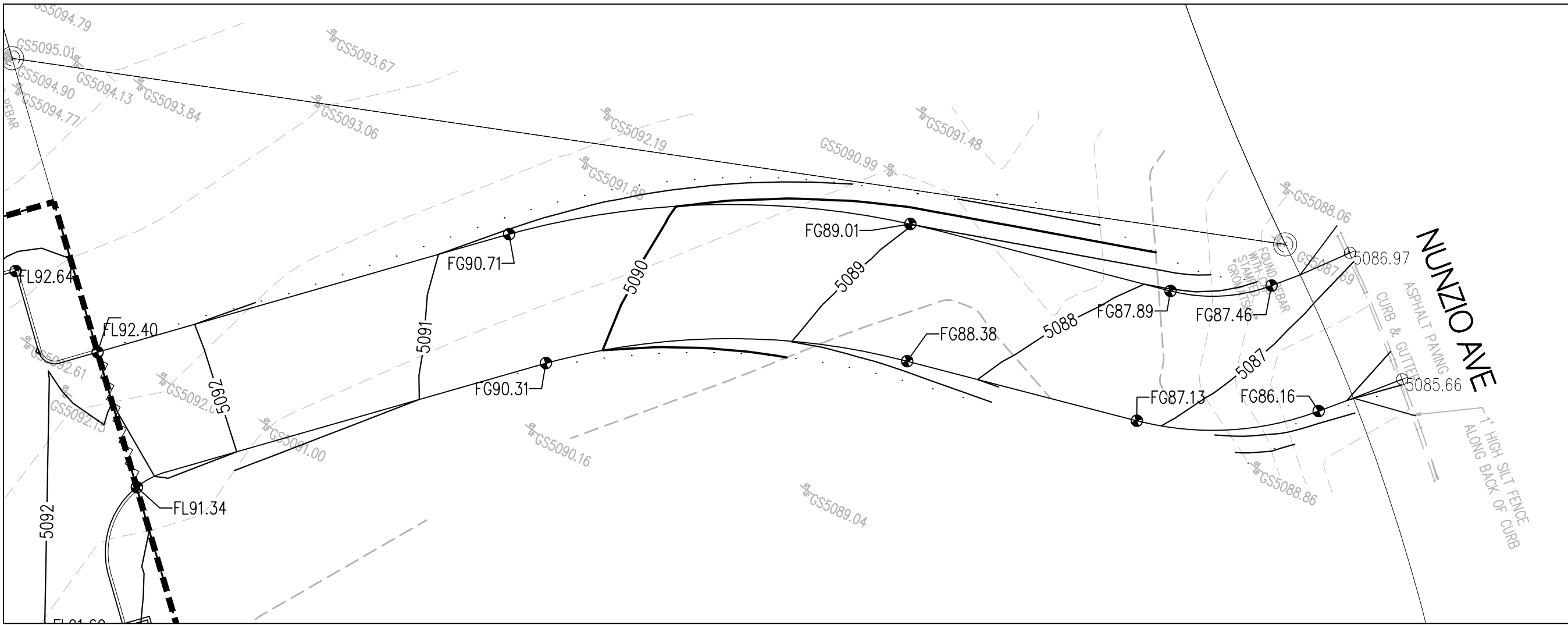
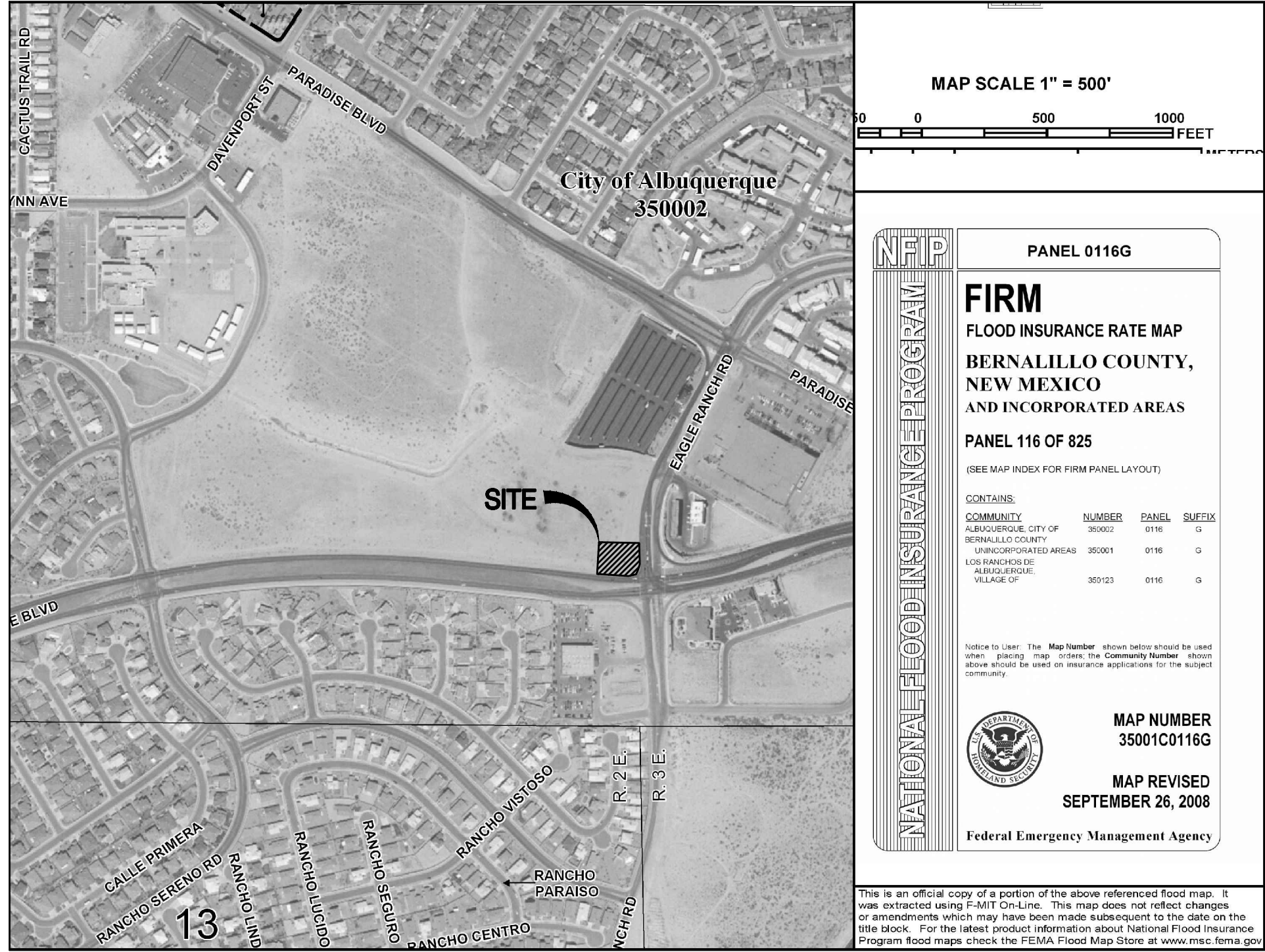


SITE CONCEPTUAL DRAINAGE MANAGEMENT PLAN



ACCESS ROAD CONCEPTUAL GRADING PLAN

- LEGEND
- PROPERTY LINE
 - EXISTING CONTOURS
 - PROPOSED SPOT ELEVATION
TC=TOP OF CURB, FL=FLOW LINE
TW=TOP OF WALL, BW=BOTTOM OF WALL
EX=EXISTING, TO=TOP OF GRADE
 - PROPOSED DIRECTION OF FLOW
 - WATER BLOCK
 - PROPOSED RETAINING WALL
 - PROPOSED INDEX CONTOURS
 - PROPOSED INTER CONTOURS
 - PROPOSED CURB & GUTTER
 - EASEMENT
 - PROPOSED STORM DRAIN LINE



FEMA FIRM MAP # 35001C0116G

Smiles for Kids Dental Office										
Proposed Ultimate Development Conditions Basin Data Table										
This table is based on the DPM Section 22.2, Zone: 1										
Basin	Area	Area	Land Treatment Percentages				Q(100yr)	Q(100yr-6hr)	WT E	V(100yr-6hr)
ID	(SQ. FT)	(AC.)	A	B	C	D	(cfs/ac.)	(CFS)	(inches)	(CF)
Proposed										
1	42493	0.98	0.0%	0.0%	26.0%	74.0%	3.98	3.88	1.72	6074
TOTAL	42493	**0.98						3.88		9926

PROPOSED BASIN DATA TABLE

INTRODUCTION:

THE PROJECT IS LOCATED ON THE NORTHWEST INTERSECTION OF PASEO DEL NORTE BLVD AND EAGLE RANCH RD. THIS SITE IS NOT WITHIN A DEFINED FLOOD ZONE AS SHOWN ON FIRM MAP NUMBER 35001C0116G (THIS SHEET). THE PURPOSE OF THIS SUBMITTAL IS TO PROVIDE A DRAINAGE MANAGEMENT PLAN FOR THE DEVELOPMENT OF SMILES FOR KIDS DENTIST OFFICE AND REQUEST SITE DEVELOPMENT PLAN FOR BUILDING PERMIT APPROVAL.

EXISTING CONDITIONS:

THE 0.98 ACRE SITE IS CURRENTLY UNDEVELOPED. THE SITE SLOPES TO THE NORTH / NORTHEAST WHERE THE RUNOFF OPENLY DISCHARGES INTO EAGLE RANCH RD.

BASED ON THE DRAINAGE STUDY FOR FOUNTAIN HILLS (CITY OF ALBUQUERQUE DRAINAGE FILE #C12/D3B), THE ALLOWABLE PEAK DISCHARGE FROM THE SITE IS APPROXIMATELY 4.08 CFS.

METHODOLOGY:

THE HYDROLOGIC ANALYSIS PROVIDED WITH THIS DRAINAGE MANAGEMENT PLAN HAS BEEN PREPARED IN ACCORDANCE WITH SECTION 22.2 OF THE DPM. THE SITE IS LOCATED WEST OF THE RIO GRANDE WITHIN PRECIPITATION ZONE 1. LAND TREATMENT PERCENTAGES WERE CALCULATED BASED ON THE ACTUAL CONDITIONS IN EACH ONSITE BASIN AND ARE SUMMARIZED IN THE "PROPOSED BASIN DATA TABLE" (THIS SHEET).

PROPOSED CONDITIONS:

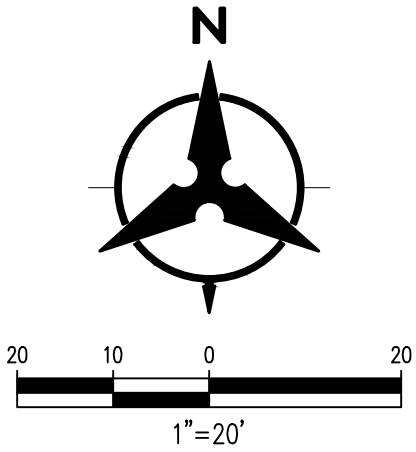
THIS DRAINAGE MANAGEMENT PLAN WAS DEVELOPED IN ACCORDANCE WITH A FULLY DEVELOPED SITE. IT WAS DETERMINED THAT THE MAXIMUM ALLOWABLE PEAK DISCHARGE FROM THE SITE IS APPROXIMATELY 4.08 CFS (AS MENTIONED ABOVE). THIS IS A SMALL SITE AND ACTS AS ONE DRAINAGE BASIN (BASIN 1).

THE ENTIRE SITE ACTS AS BASIN 1. THE ULTIMATE OUTFALL LOCATION IS EAGLE RANCH ROAD THROUGH MEANS OF RIBBON CHANNEL AND SEVERAL SMALL PONDS USED TO MITIGATE THE FIRST FLUSH. A PORTION OF THE SITE DRAINS INTO THE PARKING GARAGE, THAT FLOW IS THEN DIRECTED INTO A SUMP PUMP WHERE IT DISCHARGES INTO THE ADJACENT RIBBON CHANNEL AND ULTIMATELY OUTFALLS INTO EAGLE RANCH RD.

OFFSITE PRIVATE ACCESS ROAD IS NOT INCLUDED IN THE CALCULATION. RUNOFF FROM TRACT 10-A-1 WILL BE ADDRESSED WITH THE DEVELOPMENT OF THAT TRACT.

CONCLUSION:

THE PEAK DISCHARGE FROM THE SITE IS 3.88 CFS WHICH IS LESS THAN THE ALLOWABLE PEAK DISCHARGE RATE, THEREFORE WE ARE IN CONFORMANCE WITH CITY OF ALBUQUERQUE HYDROLOGY REQUIREMENTS AND REQUEST SITE DEVELOPMENT PLAN FOR BUILDING PERMIT APPROVAL.



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Smiles for Kids Dental Office
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Albuquerque, New Mexico 87114

sheet title
Conceptual Drainage Management Plan

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by
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rev

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drawn by
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project manager
GSR

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C101