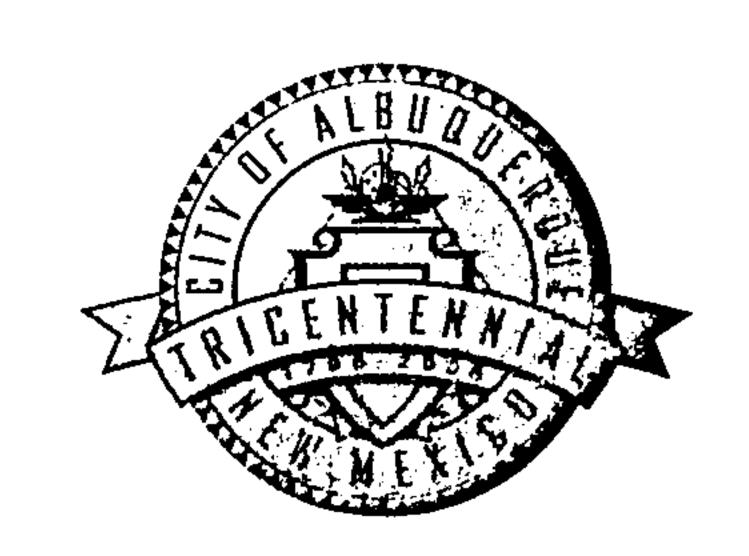
CITY OF ALBUQUERQUE



February 9, 2007

John M. Mackenzie, P.E. D. Mark Goodwin & Associates, P.A. PO Box 90606 Rio Rancho, NM 87199

Re:

Chaparral Court, Engineer's Certification dated 7-24-06 Request for Release of Financial Guarantee, CPN 7710.81

Dear Mr. Mackenzie,

Based upon the information provided in your Drainage Certification received on February 8, 2007, the above referenced plan is approved for release of financial guarantee.

If you have any questions, you can contact me at 924-3990.

Sincerely,

P.O. Box 1293

Jeremy Hoover, P.E.

Senior Engineer

Albuquerque

Hydrology Section

Development and Building Services

cc:

file F10/D13

New Mexico 87103

Marilyn Maldonado

www.cabq.gov

CITY OF ALBUQUERQUE



July 5, 2006

Mr. Mark Goodwin, P.E.

MARK GOODWIN & ASSOCIATES

4201 64th Street NW

Albuquerque, NM 87120

Re: CHAPARRAL COURT, 4201 64th Street NW, Grading/Drainage Plan, Engineer's Stamp, 06/03/2005 (F-10/D13)

Dear Mark,

Thank you for providing an Engineer Certification for the Grading/Drainage Plan for the above referenced plan. It will be placed in the project file

Sincerely,

P.O. Box 1293

If you have any questions, I can be contacted at 924-3982.

Albuquerque

New Mexico 87103

www.cabq.gov

C: file

Arlene V. Portillo

Plan Checker, Planning Dept.-Hydrology Development and Building Services

CITY OF ALBUQUERQUE



September 11, 2006

FEMA Depot 3601 Eisenhower Ave Alexandria VA, 22304

Re: Request for a Letter of Map Revision – Fill for Chaparral Court Subdivsion, City of Albuquerque, New Mexico, Community No. 350002, FIRM Panel 35001C0114E

Dear FEMA review engineer,

The purpose of this submittal is to convey the documents in order to request a Letter of Map Revision for the Chaparral Court Subdivision. This request is to show that this remnant of a floodplain is able be removed since there is no runoff draining into this "playa" and they have elevated the whole project to drain to existing City streets and storm drains.

Enclosed with this letter are the Application and analysis of the project and asbuilt construction drawings for requesting revisions to the National Flood Insurance Program map. Also enclosed is a fee of \$800.00 payable to NFIP.

As the Community official, I have reviewed the application and endorse this revision request. Our Community would greatly appreciate your prompt response and approval.

Sincerely,

If you have any questions, you can contact me at (505) 924-3986.

Bradley L. Bingham, PE, CFM
City Floodplain Administrator

C: Mark Goodwin, MGA
Bill Blanton, FEMA Headquarters
Jack Quarles, FEMA Region VI
file

P.O. Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

FEDERAL EMERGENCY MANAGEMENT AGENCY PROPERTY INFORMATION FORM

O.M.B. NO. 3067-0147 Expires September 30, 2005

PAPERWORK BURDEN DISCLOSURE NOTICE

Public reporting burden for this form is estimated to average 1.63 hours per response. The burden estimate includes the time for reviewing instructions. searching existing data sources, gathering and maintaining the needed data, and completing, reviewing, and submitting the form. You are not required to respond to this collection of information unless a valid OMB control number appears in the upper right comer of this form. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing this burden to: Information Collections Management, Federal Emergency Management Agency, 500 C Street, SW, Washington DC 20472, Paperwork Reduction Project (3067-0147). Submission of the form is required to obtain

or retain benefits under the National Flood Insurance Program. Please do not send your completed survey to the above address. This form may be completed by the property owner, property owner's agent, licensed land surveyor, or registered professional engineer to support a request for a Letter of Map Amendment (LOMA), Conditional Letter of Map Amendment (CLOMA), Letter of Map Revision Based on Fill (LOMR-F), or Conditional Letter of Map Revision Based on Fill (CLOMR-F) for existing or proposed, single or multiple lots/structures. Please check the item below that describes your request: A letter from FEMA stating that an existing structure or parcel of land that has not been elevated by fill (natural grade) would not be inundated by the base flood. A letter from FEMA stating that a proposed structure that is not to be elevated by fill (natural grade) **CLOMA** would not be inundated by the base flood if built as proposed. A letter from FEMA stating that an existing structure or parcel of land that has been elevated by fill LOMR-F would not be inundated by the base flood. A letter from FEMA stating that a parcel of land or proposed structure that will be elevated by fill CLOMR-F would not be inundated by the base flood if fill is placed on the parcel as proposed or the structure is built as proposed. Fill is defined as material from any source placed to raise the ground to or above the Base Flood Elevation (BFE). The common construction practice of removing unsuitable existing material (topsoil) and backfilling with select structural material is not considered the placement of fill if the practice does not alter the existing (natural grade) elevation, which is at or above the BFE. Fill that is placed before the date of the first National Flood Insurance Program (NFIP) map showing the area in a Special Flood Hazard Area (SFHA) is considered natural grade. Has fill been placed on your property? Jan: 06 If yes, when was fill placed? Yes month/year Will fill be placed on your property? If yes, when will fill be placed? month/year Street Address of the Property (if request is for multiple structures, please attach additional sheet): 4201 64th Street NW, Albuquerque, NM 87120 Legal description of Property (Lot, Block, Subdivision) (if a street address cannot be provided): Street Address is provided Are you requesting that the SFHA designation be removed from (check one): the entire legally recorded property? a portion of land within the bounds of the property (a certified metes and bounds description and map of the area to be removed, certified by a licensed land surveyor or registered professional engineer, are required)? structures on the property? What are the dates of construction? Is this request for a (check one): single structure single lot multiple structures (How many structures are involved in your request? List the number:

multiple lots (How many lots are involved in your request? List the number. 22)

In addition to this form (MT-1 Form 1), ALL requests must include the following: Copy of the Plat Map for the property (with recordation data and stamp of the Recorder's Office) OR Copy of the property Deed (with recordation data and stamp of the Recorder's Office), accompanied by a tax assessor's map or other certified map showing the surveyed location of the property relative to local streets and watercourses Copy of the effective FIRM panel and/or Flood Boundary and Floodway Map (FBFM) (if applicable) on which the property location has been accurately plotted (property inadvertently located in the NFIP regulatory floodway will require Section B of MT-1 Form 3) Form 2 – Elevation Form. If an Elevation Certificate has already been completed for this property, it may be submitted in addition to Form 2. Please include a map scale and North arrow on all maps submitted. For LOMR-Fs and CLOMR-Fs, the following must be submitted in addition to the items listed above: Form 3 – Community Advisowledgment Form Processing Fee (see instructions for appropriate mailing address; or, visit http://www.fema.gov/plan/prevent/fhm/frm_fees.shtm for the most current fee schedule) Revised fee schedules are published periodically, but no more than once annually, as noted in the Federal Register. Please note: single/multiple lot(s)/structure(s) LOMAs are fee exempt. The current review and processing fees are listed below: Check the fee that applies to your request \$325 (single lot/structure LOMR-F following a CLOMR-F) \$425 (single lot/structure LOMR-F) \$500 (single lot/structure CLOMA or CLOMR-F) \$700 (multiple lot/structure LOMR-F following a CLOMR-F, or multiple lot/structure CLOMA) ** \$800 (multiple lot/structure LOMR-F or CLOMR-F) Please submit the Payment Information Form for remittance of applicable fees. Please make your check or money order payable to: National Flood Insurance Program. All documents submitted in support of this request are correct to the best of my knowledge. I understand that any false statement may be punishable by fine or imprisonment under Title 18 of the United States Code, Section 1001. Applicant's Name: Pavan K. Toleti Company: Mark Goodwin & Associates Please Print or Type Mailing Address: P.O. Box 90606 Daytime Telephone No.: (505) 828-2200 Albuquerque, NM 87199 payan@goodwinengineers.com Fax No.: (505) 797–9539 E-Mail Address: (optional) Date 30th June 606

If you have any questions concerning FEMA policy, or the NFIP in general, please contact the FEMA Map Assistance Center toll free at 1-877-FEMA MAP (1-877-336-2627), or visit the Flood Hazard Mapping website at http://www.fema.gov/plan/prevent/fhm.

FEDERAL EMERGENCY MANAGEMENT AGENCY ELEVATION FORM

O.M.B. NO. 3067-0147

Expires September 30, 2005

PAPERWORK BURDEN DISCLOSURE NOTICE

Public reporting burden for this form is estimated to average 1 hour per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the needed data, and completing, reviewing, and submitting the form. You are not required to respond to this collection of information unless a valid OMB control number appears in the upper right corner of this form. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing this burden to: Information Collections Management, Federal Emergency Management Agency, 500 C Street, SW, Washington DC 20472, Paperwork Reduction Project (3067-0147). Submission of the form is required to obtain or retain benefits under the National Flood Insurance Program. Please do not send your completed survey to the above address.

This form must be completed for requests and must be completed and signed by a registered professional engineer or licensed land surveyor. A FEMA National Flood Insurance Program (NFIP) Elevation Certificate may be submitted in addition to this form for single structure requests.

For requests to remove a structure on natural grade OR on engineered fill from the Special Flood Hazard Area (SFHA), submit the lowest adjacent grade (the lowest ground touching the structure), including an attached deck or garage. For requests to remove an entire parcel of land from the SFHA, provide the lowest lot elevation; or, if the request involves an area described by metes and bounds, provide the lowest elevation within the metes and bounds description.

1. NFIP Cor	nmunity Number:	35002 F	Property Name or A	ddress: CHAPA	RRAL COUR	T; 42,01 64TH STREET NV			
		elow based on X				ABQ, NM 87120			
3. What is the effective for the following states of the contraction o	e elevation datur Flood Insurance F	m? NGVD 29 m? If any of Rate Map (FIRM) (e.	the elevations liste g., NGVD 29 or NA	d below were comp VD 88), what was t	uted using a datum he conversion facto	different than the datum used for the or?			
•			Local Elevat	ion +/- ft. = FIRM D	atum				
4. For the ex	For the existing or proposed structures listed below, what are the types of construction? (check all that apply) crawl space X slab on grade basement/enclosure other (explain)								
		rea as subject to lan he current releveling	•	dift? (see instruction nth/year)	s) Te	s X No			
Lot Number	Lot Number Block Lowest Lot Add Grant Strices			Base Flood Elevation		For FEMA Use Only			
1		5112.11	5113.55	5113					
		5113-17		5113					
3	3 5112-82 5114			5113					
elevation inform	nation. All docu	d and sealed by a luments submitted in fine or imprisonment	support of this re	equest are correct	to the best of my	, or architect authorized by law to certify knowledge. I understand that any false			
Certifier's Nam	e: 	· 	License	No.:	E	xpiration Date:			
Company Nam	e:		Telephoi	ne No.:	F	Fax No.:			
Signature:	·	<u>. </u>	Date:						
						Seal (optional)			

5		Elevation	Lowest Adjacent Grade To Structure	Base Flood Elevation	For FEMA Use Only
5		5112.82	5113.44	5113	
6		5113.35	5114.19	5113	•
0	· · · · · · · · · · · · · · · · · · ·	5113.70	5114.46	5113	
7		5113.82	5114.61	5113	· · · · · · · · · · · · · · · · · · ·
8		5113.48	5114.31	5113	
9			5114.31	5113	
10		5113.25	5114.27	5113	
11	•	5113.62	5114.46	. 5113	
12		5113.95	5114.83	5113	
13		5114.25	5114.90	5113	
14		5114.52	5115.21	5113	
15		5114.06	5118.50	5113	
16		5114.06	5115.41	5113	
17		<u> </u>	5115.43	5113	
18		5113.68		5113	,
19		5112.82	5113.37	5113	
20		5113.01	5114.25	5113	
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FEDERAL EMERGENCY MANAGEMENT AGENCY COMMUNITY ACKNOWLEDGMENT FORM

O.M.B. NO. 3067-0147

Expires September 30, 2005

PAPERWORK BURDEN DISCLOSURE NOTICE

Public reporting burden for this form is estimated to average 0.88 hour per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the needed data, and completing, reviewing, and submitting the form. You are not required to respond to this collection of information unless a valid OMB control number appears in the upper right corner of this form. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing this burden to: Information Collections Management, Federal Emergency Management Agency, 500 C Street, SW, Washington DC 20472, Paperwork Reduction Project (3067-0147). Submission of the form is required to obtain or retain benefits under the National Flood Insurance Program. Please do not send your completed survey to the above address.

This form must be completed for requests involving the existing or proposed placement of fill (complete Section A) OR to provide acknowledgment of this request to remove a property from the SFHA which was previously located within the regulatory floodway (complete Section B).

This form must be completed and signed by the official responsible for floodplain management in the community. The community number and the subject property address must appear in the spaces provided below.

Community Number: 35002

Community Comments:

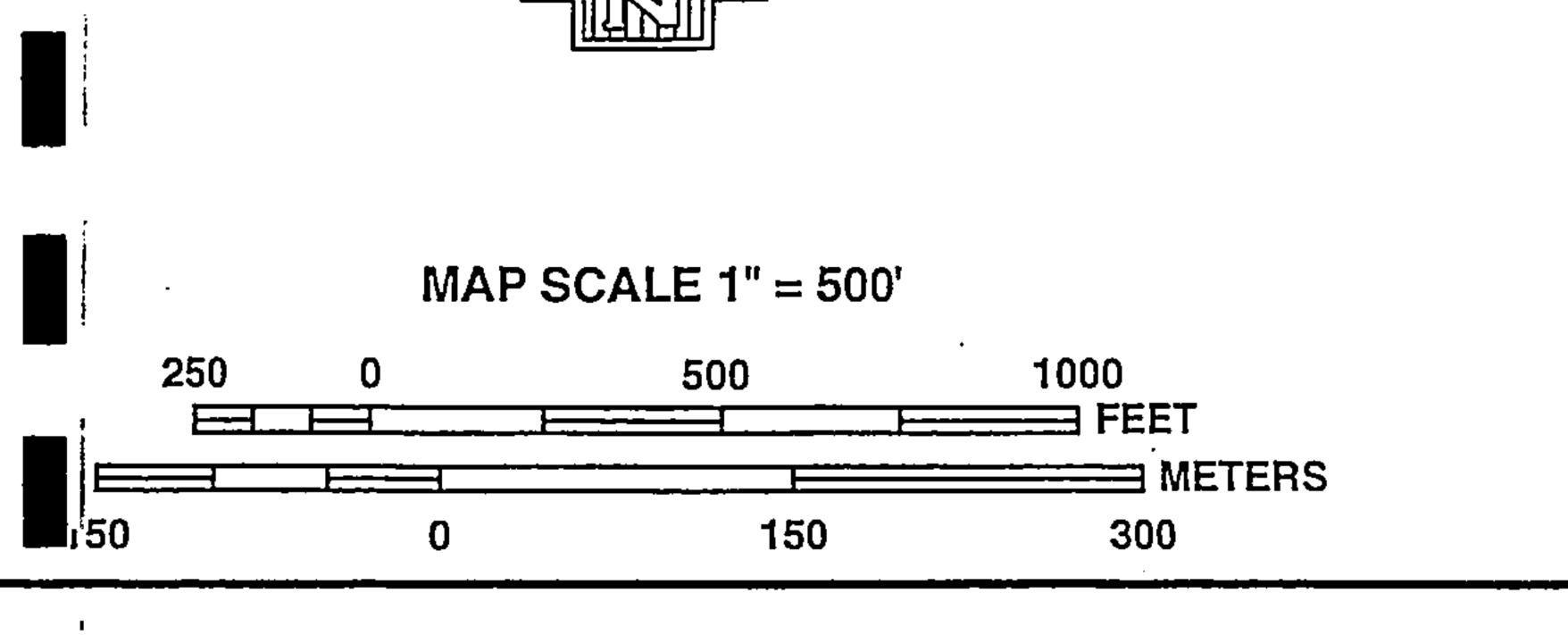
Property Name or Address Chaparral Court; 4201 64th St.: NW Abq., NM

87120

A. REQUESTS INVOLVING THE PLACEMENT OF FILL

As the community official responsible for floodplain management, I hereby acknowledge that we have received and reviewed this Letter of Map Revision Based on Fill (LOMR-F) or Conditional LOMR-F request. Based upon the community's review, we find the completed or proposed project meets or is designed to meet all of the community floodplain management requirements, including the requirement that no fill be placed in the regulatory floodway, and that all necessary Federal, State, and local permits have been, or in the case of a Conditional LOMR-F, will be obtained. In addition, we have determined that the land and any existing or proposed structures to be removed from the SFHA are or will be reasonably safe from flooding as defined in 44CFR 65.2(c), and that we have available upon request by FEMA, all analyses and documentation used to make this determination. For LOMR-F requests, we understand that this request is being forwarded to FEMA for a possible map revision.

Community Official's Name and Title: (Please Print or Type) Telephone No.: Community Name: Community Official's Signature: (required) Date: B. PROPERTY LOCATED WITHIN THE REGULATORY FLOODWAY As the community official responsible for floodplain management, I hereby acknowledge that we have received and reviewed this request for a LOMA. We understand that this request is being forwarded to FEMA to determine if this property has been inadvertently included in the regulatory floodway. We acknowledge that no fill on this property has been or will be placed within the designated regulatory floodway. We find that the completed or proposed project meets or is designed to meet all of the community floodplain management requirements. Community Comments: Community Official's Name and Title: (Please Print or Type) Telephone No.: Community Name: Community Official's Signature (required): Date:



PANEL 0114E

FIRM

FLOOD INSURANCE RATE MAP

BERNALILLO COUNTY,
NEW MEXICO
AND INCORPORATED AREAS

PANEL 114 OF 825

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

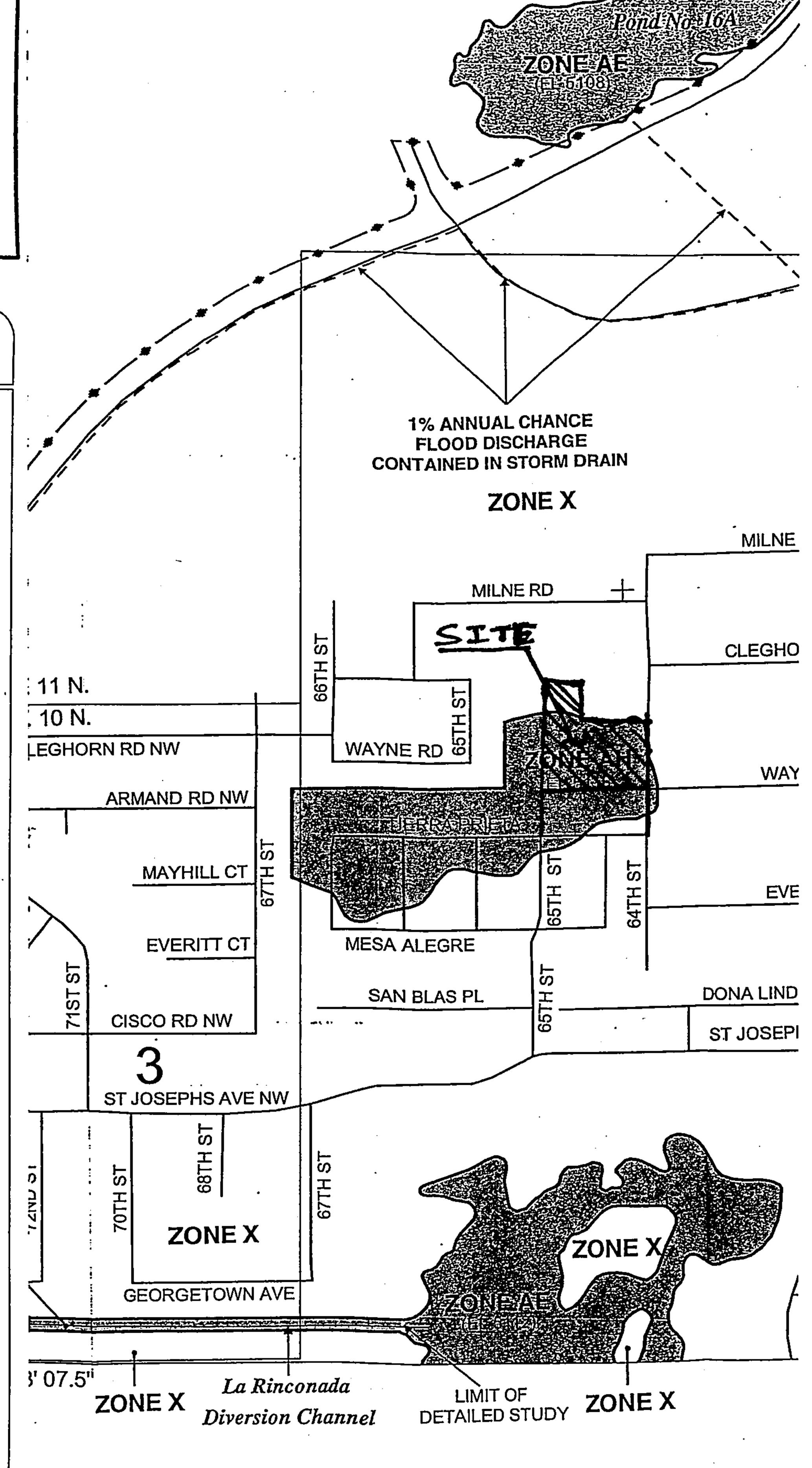
COMMUNITY NUMBER PANEL SUFFIX
ALBUQUERQUE, CITY OF 350002 0114 E
BERNALILLO COUNTY 350001 0114 E

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.



MAP NUMBER 35001C0114E MAP REVISED NOVEMBER 19, 2003

Federal Emergency Management Agency



DRAINAGE REPORT

For

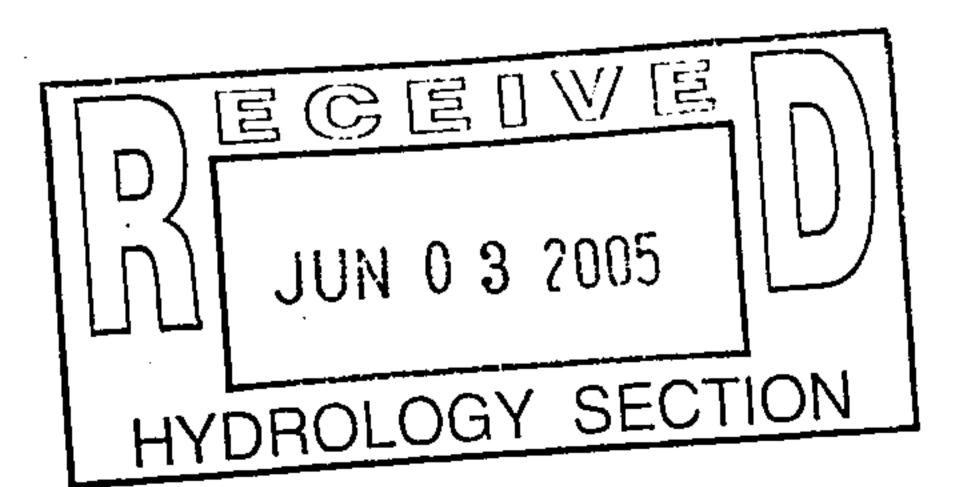
Chaparral Court Subdivision

Prepared for

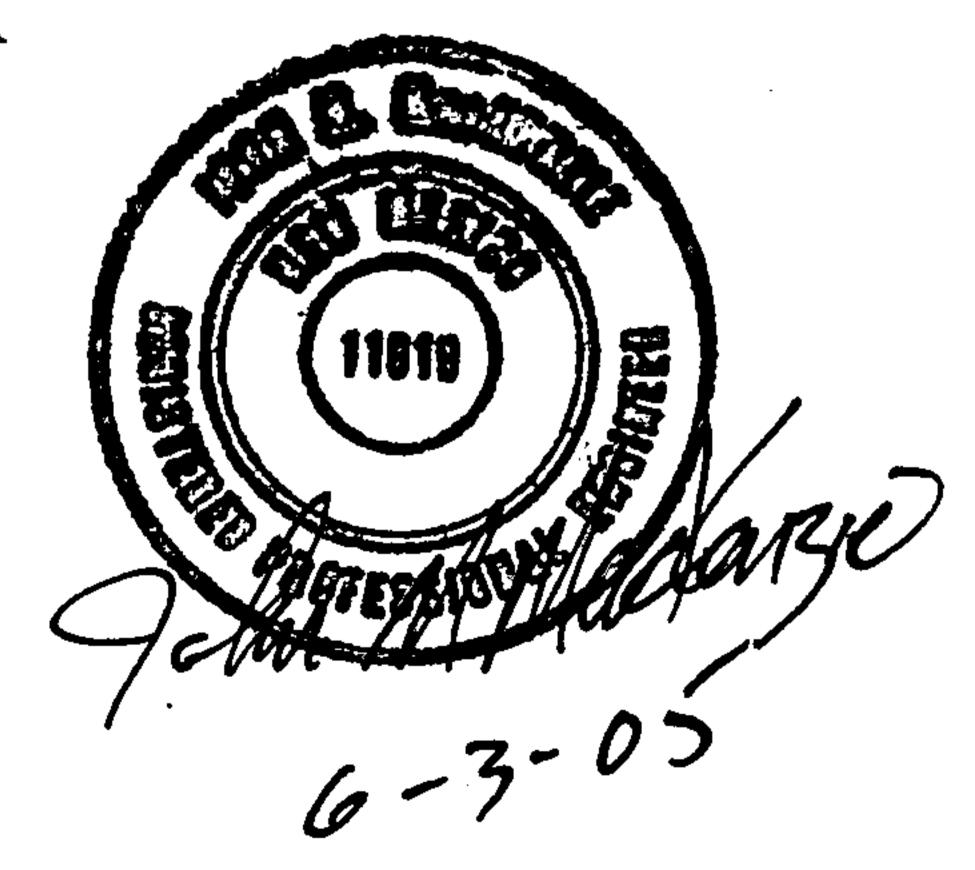
Mel Famie, LLC P.O. Box 2758 Corrales, NM 87048

Prepared by

Mark Goodwin & Associates, PA P.O. Box 90606 Albuquerque, NM 87199



June 2005



I. PROJECT DESCRIPTION

The proposed Chaparral Court Subdivison comprises approximately 3.6 acres, and is located along the west side of 64th Street NW, between Cleghorn Rd. and Wayne Rd. The proposal is to develop the site into 22 single family homes at a density of 6.11 DU per acre.

II. DRAINAGE DESIGN CRITERIA

The design criteria used in this report was in accordance with Section 22.2 Hydrology of the Development Process Manual, Volume 2, Design Criteria, January 1993 edition. The 100-year, 6-hour storm event was analyzed to determine street capacities using P(1hr) = 1.94", P(6hr) = 2.20". The onsite Land Treatment values used were Treatment D = 80, and Treatment B = 20 for the developed conditions. AHYMO printouts are provided at the back of this report.

III. EXISTING DRAINAGE CONDITIONS

The site is an infill site, with existing housing along the north, west, and south boundaries. To the east, 64th St. is developed with curb & gutter. Although no offsite waters impact this site from either the existing housing, or from 64th St., the site is listed by FEMA as being with an AH Zone floodplain (old playa) with a floodwater elevation of 5116 (FIRM map included). Per the AHYMO calculations, the site in the undeveloped state generates 5.79 cfs in a 100-year, 6-hour event. Except for a small area along 64th St., existing flows remain on-site.

IV. DEVELOPED DRAINAGE CONDITIONS

As indicated in the included drainage calculations, a total of 12.16 cfs will be generated within the 100-year, 6-hour event once the site is developed. All site generated flows will be surface routed via interior streets to 64th Street. Once in 64th, flows are diverted north, with flows along the east side of 64th turning east on Cleghorn Road where they are intercepted by drop inlets located west of Estancia Drive. Flows within the storm drain (30" to 48") are conveyed to interconnected detention basins located north of Milne Road. Flows along the west curb line of 64th continue north to Milne Road. Milne Road flows travel east to additional inlets located at Atrisco Drive.

V. SUMMARY

With full section developed streets and storm drains existing downstream of this site, and since this site is located at the lower reaches of the system drainage basin, the increase in flow resulting from the development of this site should have no adverse impacts downstream of the site.

As can be seen on the included drainage & grading plan, pad elevations have been set with some falling below the FEMA designated 100-year flood level. The required submittate to E I V E FEMA will be made to remove the area from the floodplain maps.



D. Mark Goodwin & Associates, P.A. Consulting Engineers

P.O. BOX 90606, ALBUQUERQUE, NM 87199 (505) 828-2200 FAX 797-9539 e-mail: goodwinengrs@comcast.net

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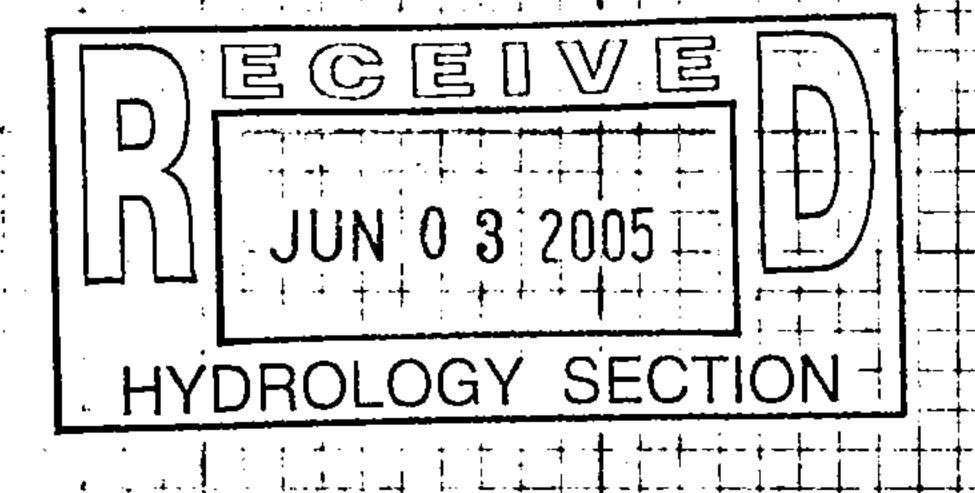


D. Mark Goodwin & Associates, P.A. Consulting Engineers

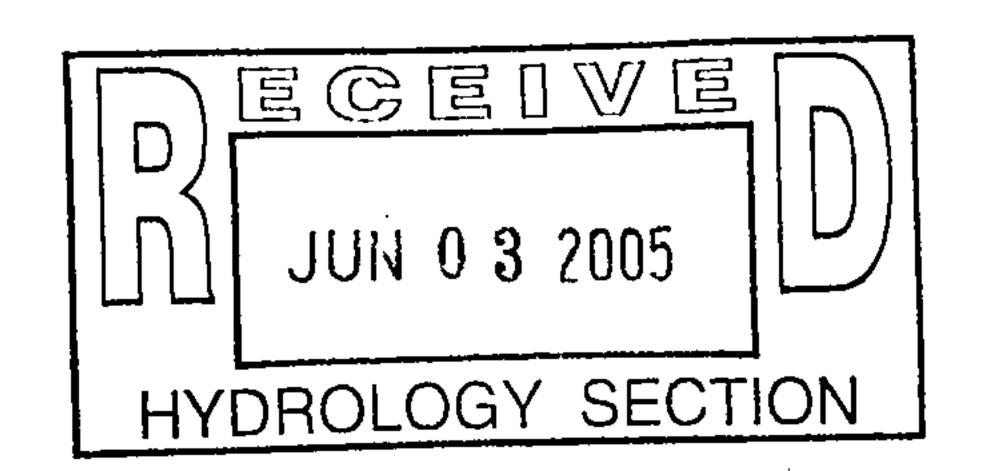
P.O. BOX 90606, ALBUQUERQUE, NM 87199 (505) 828-2200 FAX 797-9539 e-mail: goodwinenars@comcast net

PROJECT LHAPA	RRAL COURT
SUBJECT <u>DRAIN</u>	AGE CALCS
BY	DATE 5/23/25
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TIME=0.0START **** CHAPPARAL COURT **** CALCULATE & ROUTE STORM FLOWS **** USE 100 YEAR 6 HOUR STORM EVENT **** FILE: CHAPPARALCOURT.DAT 05/23/05 TYPE=1 RAIN QUARTER=0.0 IN RAINFALL RAIN ONE=1.94 IN RAIN SIX=2.20 IN RAIN DAY=2.56 IN DT=0.03333 HR **** *****FIRST LOOK AT EXISTING FLOWS FROM THIS SITE **** ID=1 HYD NO=101.0 AREA=0.0055 SQ MI COMPUTE NM HYD PER A=80 PER B=0 PER C=20 PER D=0 TP=0.1333 HR MASS RAINFALL=-1 ID=1 CODE=1 PRINT HYD **** ****NEXT LOOK AT DEVELOPED CONDITIONS **** ID=3 HYD NO=103.0 AREA=0.0055 SQ MI COMPUTE NM HYD PER A=0 PER B=44 PER C=0 PER D=56 TP=0.1333 HR MASS RAINFALL=-1 ID=3 CODE=1 PRINT HYD FINISH



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AHYMO PROGRAM (AHYMO_97) - 1997.02d
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- Version:

RUN DATE (MON/DAY/YR) = 06/03/2005

START TIME (HR:MIN:SEC) = 09:52:50

USER NO. = AHYMO-I-

9702dGoodwinM-AH

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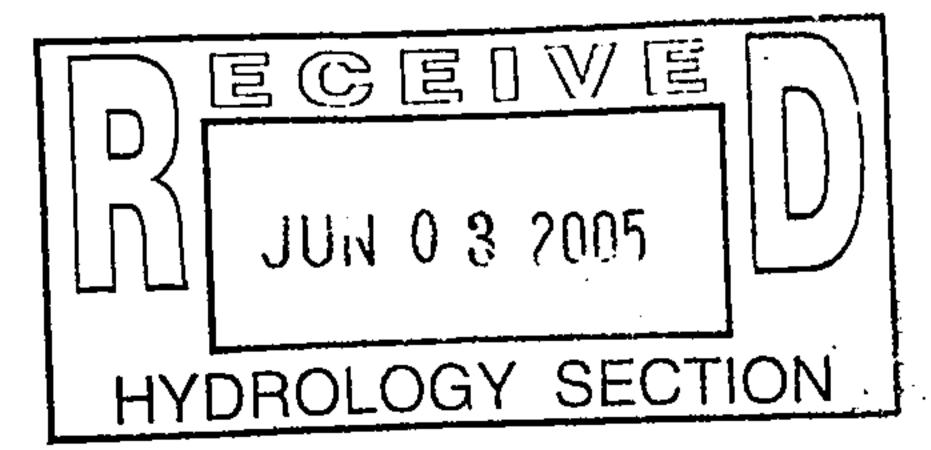
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	.1061	.1514	.2165	.3053	.4220	.5709	.7562
	.9824	1.1923	1.2800	1.3540	1.4198	1.4797	1.5349
	1.5861	1.6339	1.6788	1.7210	1.7608	1.7984	1.8340
	1.8677	1.8997	1.9300	1.9588	1.9862	1.9918	1.9970
•	2.0020	2.0066	2.0111	2.0153	2.0194	2.0233	2.0270
;	2.0306	2.0341	2.0374	2.0407	2.0438	2.0469	2.0498
•	2.0527	2.0555	2.0583	2.0609	2.0635	2.0661	2.0686
	2.0710	2.0734	2.0757	2.0779	2.0802	2.0824	2.0845
4	2.0866	2.0887	2.0907	2.0927	2.0947	2.0966	2.0985
•	2.1003	2.1022	2.1040	2.1058	2.1075	2.1092	2.1110
	2.1126	2.1143	2.1159	2.1175	2.1191	2.1207	2.1223
•	2.1238	2.1253	2.1268	2.1283	2.1297	2.1312	2.1326
•	2.1340	2.1354	2.1368	2.1381	2.1395	2.1408	2.1422
•	2.1435	2.1448	2.1460	2.1473	2.1486	2.1498	2.1511
	2.1523	2.1535	2.1547	2.1559	2.1571	2.1582	2.1594
	2.1605	2.1617	2.1628	2.1639	2.1650	2.1661	2.1672
	2.1683	2.1694	2.1704	2.1715	2.1726	2.1736	2.1746
	2.1757	2.1767	2.1777	2.1787	2.1797	2.1807	2.1817
•	2.1826	2.1836	2.1846		2.1865	2.1874	2.1883
•	2.1893	2.1902	2.1911	2.1920	2.1929	2.1938	2.1947
1	2.1956	2.1965	2.1974	2.1983	2.1991	2.2000	

****FIRST LOOK AT EXISTING FLOWS FROM THIS SITE

COMPUTE NM HYD

ID=1 HYD NO=101.0 AREA=0.0055 SQ MI PER A=80 PER B=0 PER C=20 PER D=0 TP=0.1333 HR MASS RAINFALL=-1



K = .150867HR TP = .133300HR K/TP RATIO = 1.131782

SHAPE CONSTANT, N = 3.127284

UNIT PEAK = 12.050 CFS UNIT VOLUME = .9988 B =

292.04 P60 = 1.9400

AREA = .005500 SQ MI IA = .59000 INCHES INF =

1.50200 INCHES PER HOUR

RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - .033330

PRINT HYD

ID=1 CODE=1

PARTIAL HYDROGRAPH 101.00

RUNOFF VOLUME = .55070 INCHES = .1615 ACRE-FEET

PEAK DISCHARGE RATE = 5.79 CFS AT 1.533 HOURS BASIN AREA = .0055 SQ. MI.

****NEXT LOOK AT DEVELOPED CONDITIONS

COMPUTE NM HYD

ID=3 HYD NO=103.0 AREA=0.0055 SQ MI PER A=0 PER B=44 PER C=0 PER D=56 TP=0.1333 HR MASS RAINFALL=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000 SHAPE CONSTANT, N = 7.106420

UNIT PEAK = 12.160 CFS UNIT VOLUME = .9984 B =

526.28 P60 = 1.9400

AREA = .003080 SQ MI IA = .10000 INCHES INF =

.04000 INCHES PER HOUR

RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - 0.033330

K = .131243HR TP = .133300HR K/TP RATIO = .984570

SHAPE CONSTANT, N = 3.586444

UNIT PEAK = 5.9290 CFS UNIT VOLUME = .9979 B =

326.58 P60 = 1.9400

AREA = .002420 SQ MI IA = .50000 INCHES INF =

1.25000 INCHES PER HOUR

RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - .033330

PRINT HYD

ID=3 CODE=1

PARTIAL HYDROGRAPH 103.00

RUNOFF VOLUME = 1.41009 INCHES = .4136 ACRE-FEET

PEAK DISCHARGE RATE = 12.16 CFS AT 1.500 HOURS BASIN AREA = .0055 SQ. MI.

