City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

July 16, 2003

Gregory J. Krenik, PE
Mark Goodwin & Associates
P.O. 90606
Albuquerque, NM 87199

Re: Carmel Subdivision Drainage Report

Engineer's Stamp dated 6-25-03 (C18/D24B)

Dear Mr. Krenik,

Based upon the information provided in your submittal dated 6-25-03, the above referenced report is approved for Preliminary Plat action by the DRB.

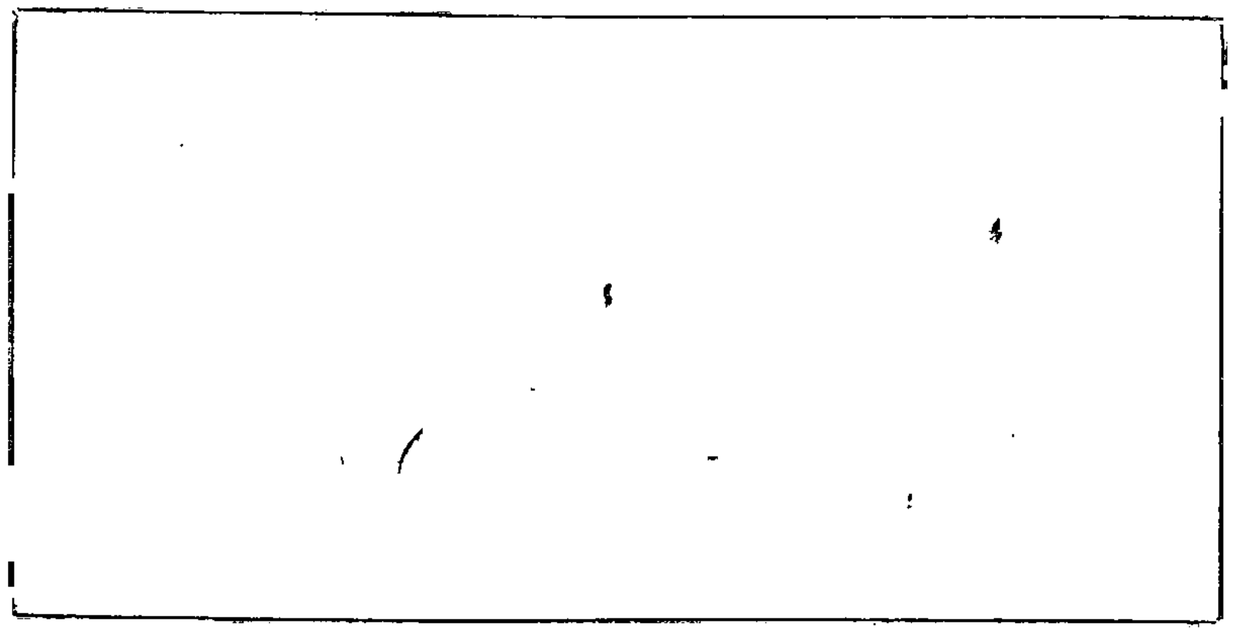
This project requires a National Pollutant Discharge Elimination System (NPDES) permit. Refer to the attachment that is provided with this letter for details. If you have any questions please feel free to call the Public Works Hydrology section at 768-3654 (Charles Caruso) or 768-3645 (Brian Wolfe).

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

Sincerely,

Bradley L. Bingham, PE
Sr. Engineer, Planning Dept.
Development and Building Services

C: file
Chuck Caruso, CoA

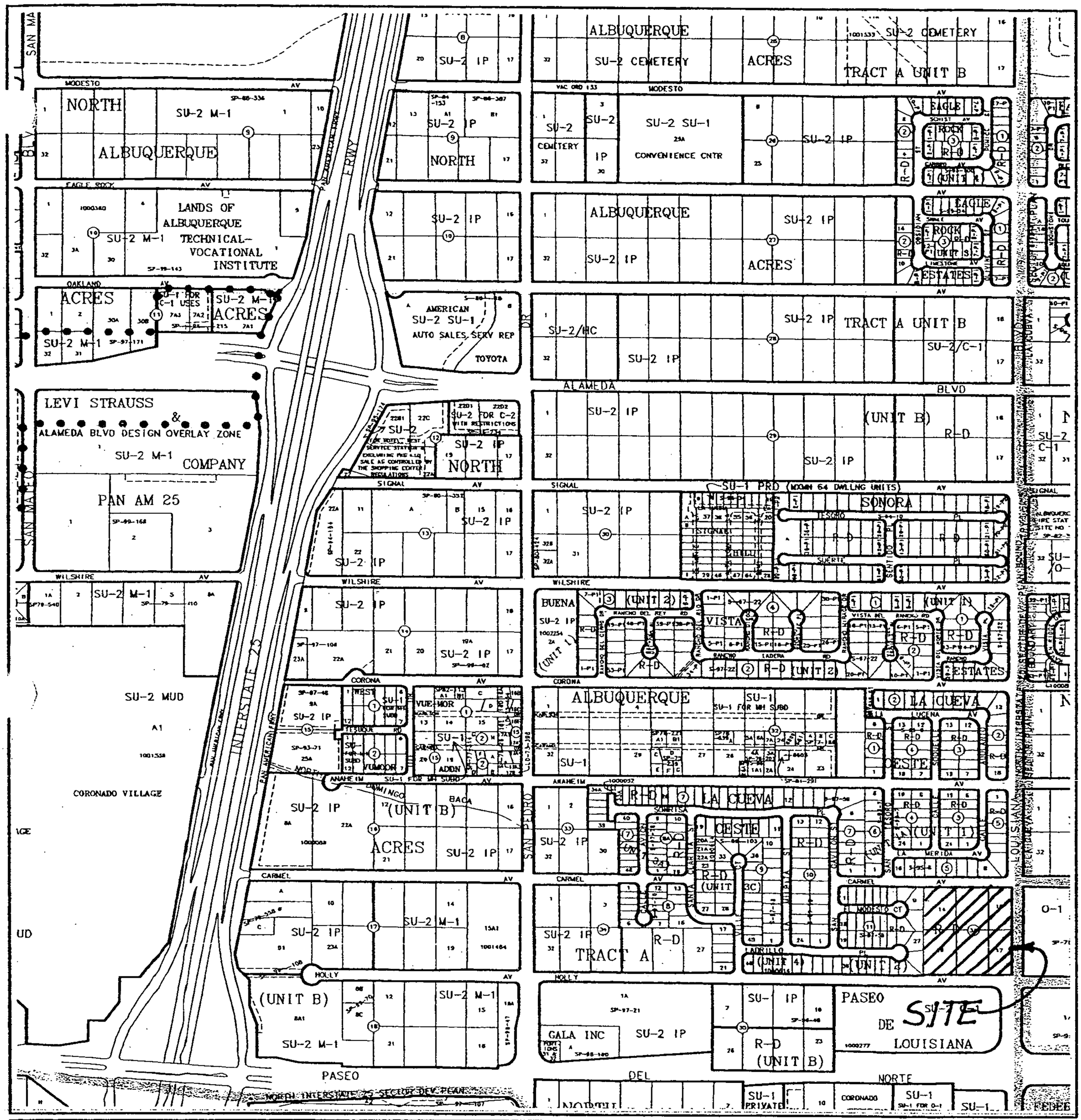


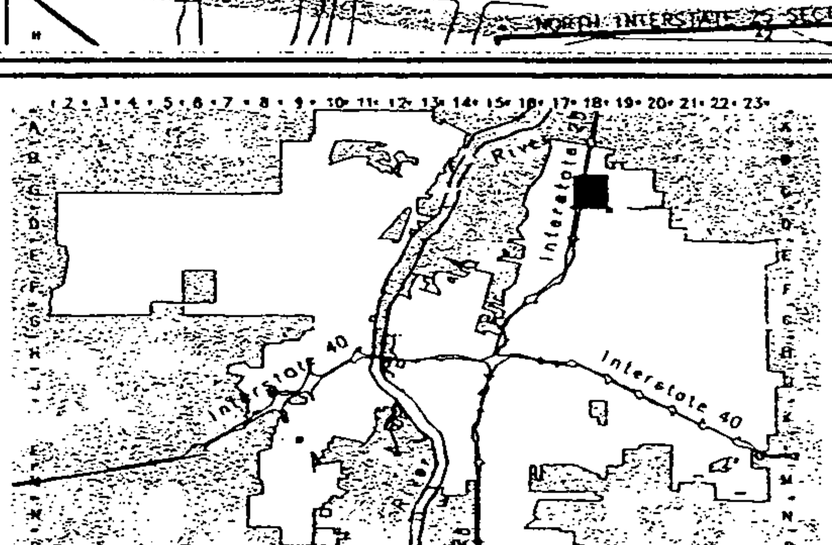
DRAINAGE REPORT

for

CARMEL SUBDIVISION

June 2003





CITY OF
Albuquerque

Albuquerque Geographic Information System
PLANNING DEPARTMENT

GRAPHIC SCALE IN FEET
250 0 750 1000

Zone Atlas Page

C-18-Z

Map Amended through January 21, 2003

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

P.O. BOX 90606, ALBUQUERQUE, NM 87199
(505) 828-2200 FAX 797-9539
e-mail: dmg@swcp.com

PROJECT Carmel Subdivision
SUBJECT DRAINAGE CALCS
BY GJK DATE 6-24-03
CHECKED _____ DATE _____
SHEET 1 OF ____

- SITE CONSISTS OF 4.7335 AC ON THE NW CORNER OF HOLLY AVE AND LOUISIANA BLVD NE.
- SITE IS NOT IN A 100 yr FLOOD ZONE.
- SITE WILL BE DIVIDED INTO 31 LOTS AND 5 TRACTS.

- FIND Q per LOT

PADS = 35x60 = 2100 SF
DRIVES = 20x20 = 400SF
2500SF x 31 = 77,500 SF
= 1.7792 AC TYPE "D"

ROW = 1.1452 AC
80% "D" 20% "B"
0.9162 AC "D"
0.2290 AC "B"

- TOTAL "D" = 1.7792 + 0.9162
= 2.6954 AC = 56.94%

TOTAL "B" = 2.0381 AC = 43.06%

P_1 = 2.15 in
P_6 = 2.50 in
P_{24} = 2.90 in

FROM AHYMO OUTPUT SHEETS 4-C

Q = 18.72 CFS V = 0.6606 AC-FT

Q/LOT = 18.72/31 VOLUME PER LOT = 0.0213 AC-FT

= 0.6039 CFS

- PER THE LA CUEVA OESTE DRAINAGE REPORT PREPARED BY RESOURCE TECHNOLOGY, INC. REVISED DECEMBER 2000. C18/024A THIS SITE IS ALLOWED 10 CFS TO CARMEL AND 10 CFS TO HOLLY.

16 LOTS WILL DRAIN TO CARMEL AVENUE. FREE DISCHARGE

Q = 16 x 0.6039 = 9.6624 CFS < 10 CFS OK
THIS FLOW WILL BE PICKEDUP BY THE STORMDRAIN CONSTRUCTED WITH LA CUEVA OESTE SUBDIVISION.

D. Mark Goodwin & Associates, P.A.
Consulting Engineers
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(505) 828-2200 FAX 797-9539
e-mail: dmg@swcp.com

PROJECT CARMEL SUBDIVISION
SUBJECT DRAINAGE CALCS
BY GSK DATE 6-24-03
CHECKED _____ DATE _____
SHEET 2 OF ____

- THE REMAINING FLOW FROM THE 15 LOTS WILL BE RETAINED IN A POND UNTIL THE DOWNSTREAM STORMDRAIN IS COMPLETED.

- SIZE POND FOR 10 DAY STORM

$V = 15 \times 0.0213$
$= 0.3195$

$A_D = {}^{15}/_{31}(2.6954) = 1.3042$ AC

$V_{10} = 0.3195 + 1.3042\left(\frac{4.90 - 2.50}{12}\right)$

$= 0.5803$ AC-FT
$= 25{,}280$ CF

- ADD RUNOFF FROM NORTH HALF OF HOLLY TO POND

AREA = 0.2809 AC

80% "D"
20% "B"

FROM RHYMO OUTPUT SHEETS 7-9

$Q = 1.29$ CFS

$V = 0.0446$ AC-FT

$V_{10} = 0.0446 + 0.2247\left(\frac{4.90 - 2.50}{12}\right)$

$= 0.0895$ AC-FT
$= 3{,}900$ CF

- TOTAL POND VOLUME REQUIRED

$V = 25{,}280 + 3{,}900$
$= 29{,}180$ CF

- SIZE CURB OPENINGS FOR RUNOFF TO ENTER PONDS

Holly Ave

$Q = 2.95\, L H^{1.5}$ $H = 0.67$ $d =$ $Q = 1.29$ CFS

$L = 0.80'$ USE A 1.0' WIDE OPENING

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

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(505) 828-2200 FAX 797-9539
e-mail: dmg@swcp.com

PROJECT CARMEL SUBDIVISON
SUBJECT DRAINAGE CALCS
BY SJK DATE 6-24-03
CHECKED _____ DATE _____
SHEET 3 OF ____

SOUTH SIDE OF INTERIOR STREET

$Q = 7 \times 0.6039$ $H = 0.33'$
$= 4.2273$ cfs

$Q = 2.95 L H^{1.5}$
$L = 7.56'$ USE 8.0' WIDE OPENING

NORTHSIDE OF INTERIOR STREET

$Q = 8 \times 0.6039$
$= 4.8312$ CFS $H = 0.33'$

$L = 8.64'$ USE 9.0 WIDE OPENING

- SIZE PONDING AREA

NORTH POND

ELEV	AREA(SF)	VOLUME(CF)
91	1679	0
92	2201	1940
93	2767	4424
94	3363	7489
95	3991	11,166
96	4649	15,486
97	5337	20,479

SOUTH POND

ELEV	AREA(SF)	VOLUME(CF)
91	702	0
92	949	825.5
93	1226	1913
94	1532	3292
95	1868	4992
96	2232	7042
97	2626	9471
98	3271	12,419.5
99	3981	16,045.5

- TOTAL VOLUME PROVIDED

$V = 20,479 + 9471$
$= 29,950$ CF $> 29,180$ CF OK

- WATER SURFACE = 96.90

THE EMERGENCY SPILLWAY WILL BE THE RUNDOWN INTO ~~THE~~ NORTH POND. WHEN IT FILLS IT WILL FLOW OUT INTO ~~THE~~ STREET TO HOLLY AVE.

```
START                   TIME=0.0
***** HYDROGRAPH FOR CARMEL SUBDIVISION
RAINFALL                TYPE=1 RAIN QUARTER=0.0 IN
                        RAIN ONE=2.15 IN RAIN SIX=2.50 IN
                        RAIN DAY=2.90 IN DT=0.03333 HR
COMPUTE NM HYD          ID=1 HYD NO=101.1 AREA=0.007396 SQ MI
                        PER A=0 B=43.06 C=0 D=56.94
                        TP=0.1333 HR MASS RAINFALL=-1
PRINT HYD               ID=1 CODE=1
FINISH
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AHYMO PROGRAM (AHYMO194) - AMAFCA Hydrologic Model - January, 1994
RUN DATE (MON/DAY/YR) = 06/12/2003
START TIME (HR:MIN:SEC) = 16:44:59 USER NO.= M_GOODWN.I01
INPUT FILE = CARMEL.DAT

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RAIN ONE=2.15 IN RAIN SIX=2.50 IN
RAIN DAY=2.90 IN DT=0.03333 HR

COMPUTED 6-HOUR RAINFALL DISTRIBUTION BASED ON NOAA ATLAS 2 - PEAK AT 1.40 HR.
DT = .033330 HOURS END TIME = 5.999400 HOURS

.0000	.0016	.0032	.0049	.0066	.0083
.0101					
.0119	.0138	.0157	.0177	.0197	.0218
.0239					
.0261	.0284	.0307	.0331	.0356	.0381
.0408					
.0436	.0464	.0494	.0525	.0558	.0592
.0627					
.0665	.0705	.0746	.0806	.0869	.0937
.1083					
.1409	.1911	.2632	.3617	.4910	.6560
.8613					
1.1120	1.3447	1.4418	1.5239	1.5969	1.6632
1.7243					
1.7811	1.8341	1.8838	1.9306	1.9747	2.0164
2.0558					
2.0932	2.1286	2.1623	2.1942	2.2245	2.2314
2.2378					
2.2438	2.2496	2.2550	2.2603	2.2653	2.2702
2.2748					
2.2794	2.2837	2.2879	2.2920	2.2960	2.2998
2.3036					
2.3072	2.3108	2.3142	2.3176	2.3209	2.3242
2.3273					
2.3304	2.3334	2.3364	2.3393	2.3422	2.3450
2.3478					
2.3505	2.3531	2.3557	2.3583	2.3608	2.3633
2.3658					
2.3682	2.3706	2.3729	2.3752	2.3775	2.3797
2.3820					
2.3841	2.3863	2.3884	2.3905	2.3926	2.3947
2.3967					
2.3987	2.4007	2.4026	2.4046	2.4065	2.4084
2.4103					
2.4121	2.4139	2.4158	2.4176	2.4193	2.4211
2.4228					
2.4246	2.4263	2.4280	2.4296	2.4313	2.4330
2.4346					
2.4362	2.4378	2.4394	2.4410	2.4425	2.4441
2.4456					
2.4472	2.4487	2.4502	2.4517	2.4531	2.4546
2.4561					
2.4575	2.4589	2.4604	2.4618	2.4632	2.4646

2.4659

2.4673 2.4687 2.4700 2.4714 2.4727 2.4740

2.4753

2.4766 2.4779 2.4792 2.4805 2.4818 2.4831

2.4843

2.4856 2.4868 2.4880 2.4893 2.4905 2.4917

2.4929

2.4941 2.4953 2.4965 2.4976 2.4988 2.5000

COMPUTE NM HYD ID=1 HYD NO=101.1 AREA=0.007396 SQ MI
PER A=0 B=43.06 C=0 D=56.94
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K = .072649HR TP = .133300HR K/TP RATIO = .545000
SHAPE CONSTANT, N = 7.106420
UNIT PEAK = 16.626 CFS UNIT VOLUME = .9987 B = 526.28 P60 = 2.1500
AREA = .004211 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

K = .133777HR TP = .133300HR K/TP RATIO = 1.003575
SHAPE CONSTANT, N = 3.517606
UNIT PEAK = 7.6837 CFS UNIT VOLUME = .9986 B = 321.61 P60 = 2.1500
AREA = .003185 SQ MI IA = .50000 INCHES INF = 1.25000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

PRINT HYD ID=1 CODE=1

PARTIAL HYDROGRAPH 101.10

RUNOFF VOLUME = 1.67468 INCHES = .6606 ACRE-FEET
PEAK DISCHARGE RATE = 18.72 CFS AT 1.500 HOURS BASIN AREA = .0074 SQ. MI.

FINISH

NORMAL PROGRAM FINISH END TIME (HR:MIN:SEC) = 16:44:59

```
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***** HYDROGRAPH FOR HOLLY ROW - CARMEL SUBDIVISION
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                        RAIN ONE=2.15 IN RAIN SIX=2.50 IN
                        RAIN DAY=2.90 IN DT=0.03333 HR
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                        PER A=0 B=20 C=0 D=80
                        TP=0.1333 HR MASS RAINFALL=-1
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FINISH
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AHYMO PROGRAM (AHYMO194) - AMAFCA Hydrologic Model - January, 1994

RUN DATE (MON/DAY/YR) = 06/24/2003
START TIME (HR:MIN:SEC) = 15:18:24 USER NO.= M_GOODWN.I01
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RAINFALL TYPE=1 RAIN QUARTER=0.0 IN
RAIN ONE=2.15 IN RAIN SIX=2.50 IN
RAIN DAY=2.90 IN DT=0.03333 HR

COMPUTED 6-HOUR RAINFALL DISTRIBUTION BASED ON NOAA ATLAS 2 - PEAK AT 1.40 HR.
DT = .033330 HOURS END TIME = 5.999400 HOURS

.0000	.0016	.0032	.0049	.0066	.0083
.0101	.0119	.0138	.0157	.0177	.0197
.0218	.0239	.0261	.0284	.0307	.0331
.0356	.0381	.0408	.0436	.0464	.0494
.0525	.0558	.0592	.0627	.0665	.0705
.0746	.0806	.0869	.0937	.1083	.1409
.1911	.2632	.3617	.4910	.6560	.8613
1.1120	1.3447	1.4418	1.5239	1.5969	1.6632
1.7243	1.7811	1.8341	1.8838	1.9306	1.9747
2.0164	2.0558	2.0932	2.1286	2.1623	2.1942
2.2245	2.2314	2.2378	2.2438	2.2496	2.2550
2.2603	2.2653	2.2702	2.2748	2.2794	2.2837
2.2879	2.2920	2.2960	2.2998	2.3036	2.3072
2.3108	2.3142	2.3176	2.3209	2.3242	2.3273
2.3304	2.3334	2.3364	2.3393	2.3422	2.3450
2.3478	2.3505	2.3531	2.3557	2.3583	2.3608
2.3633	2.3658	2.3682	2.3706	2.3729	2.3752
2.3775	2.3797	2.3820	2.3841	2.3863	2.3884
2.3905	2.3926	2.3947	2.3967	2.3987	2.4007
2.4026	2.4046	2.4065	2.4084	2.4103	2.4121
2.4139	2.4158	2.4176	2.4193	2.4211	2.4228
2.4246	2.4263	2.4280	2.4296	2.4313	2.4330
2.4346	2.4362	2.4378	2.4394	2.4410	2.4425
2.4441	2.4456	2.4472	2.4487	2.4502	2.4517
2.4531	2.4546	2.4561	2.4575	2.4589	2.4604
2.4618	2.4632	2.4646			

2.4659

2.4673 2.4687 2.4700 2.4714 2.4727 2.4740

2.4753

2.4766 2.4779 2.4792 2.4805 2.4818 2.4831

2.4843

2.4856 2.4868 2.4880 2.4893 2.4905 2.4917

2.4929

2.4941 2.4953 2.4965 2.4976 2.4988 2.5000

COMPUTE NM HYD ID=1 HYD NO=101.1 AREA=0.000439 SQ MI
PER A=0 B=20 C=0 D=80
TP=0.1333 HR MASS RAINFALL=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000
SHAPE CONSTANT, N = 7.106420
UNIT PEAK = 1.3866 CFS UNIT VOLUME = .9911 B = 526.28 P60 = 2.1500
AREA = .000351 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

K = .133777HR TP = .133300HR K/TP RATIO = 1.003575
SHAPE CONSTANT, N = 3.517606
UNIT PEAK = .21183 CFS UNIT VOLUME = .9327 B = 321.61 P60 = 2.1500
AREA = .000088 SQ MI IA = .50000 INCHES INF = 1.25000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

PRINT HYD ID=1 CODE=1

PARTIAL HYDROGRAPH 101.10

RUNOFF VOLUME = 1.99095 INCHES = .0466 ACRE-FEET
PEAK DISCHARGE RATE = 1.29 CFS AT 1.500 HOURS BASIN AREA = .0004 SQ. MI.

FINISH

NORMAL PROGRAM FINISH END TIME (HR:MIN:SEC) = 15:18:24

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

June 23, 2004

Mr. Gregory Krenik, PE
MARK GOODWIN & ASSOCIATES
P.O. Box 90606
Albuquerque, NM 87119

RE: CARMEL SUBDIVISION (C-18/D024B)
Engineers Certification for Release of Financial Guaranty
Engineers Stamp dated 08/14/2003
Engineers Certification dated 06/22/2004

Dear Greg:

Based upon the information provided in your Engineer's Certification Submittal dated 06/23/2004, the above referenced plan is adequate to satisfy the Grading and Drainage Certification for Release of Financial Guaranty.

If you have any questions, you can contact me at 924-3982

Sincerely,

Arlene V. Portillo

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

C: Marilyn Maldonado, COA# 721481
File

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

September 12, 2003

Gregory J. Krenik, PE
Mark Goodwin & Associates
P.O. 90606
Albuquerque, NM 87199

Re: Carmel Subdivision Revised Grading Plan
Engineer's Stamp dated 8-14-03 (C18/D24B)

Dear Mr. Krenik,

Based upon the information provided in your submittal dated 8-14-03, the above referenced plan is approved for Rough Grading Permit. This is now the plan that must be certified for release of financial guarantee. Please submit a mylar copy of this plan for my signature in order to obtain a Grading Permit.

As a reminder, this project requires a National Pollutant Discharge Elimination System (NPDES) permit. Refer to the attachment that is provided with this letter for details. If you have any questions please feel free to call the Public Works Hydrology section at 768-3654 (Charles Caruso) or 768-3645 (Brian Wolfe).

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

Sincerely,

Bradley L. Bingham, PE
Sr. Engineer, Planning Dept.
Development and Building Services

C: Chuck Caruso, CoA
file

CITY OF ALBUQUERQUE

July 30, 2007

Kevin C. Daggett, P.E., P.S.
D.R. Horton
4400 Alameda NE, Suite B
Albuquerque, NM 87113

Re: Carmel Subdivision Pond Reclamation, Engineer's Stamp Dated 7-20-07
Lots 16 Block 2 and Lot 15 Block 1, (C18/D24B)

Dear Mr. Daggett,

Based upon the information provided in your submittal received on July 20, 2007, the above referenced plan is approved for SO-19 Permit and Grading Permit. A copy of this approval letter must be on hand when applying for the excavation permit. After project completion, Engineer Certification per the DPM checklist will be required.

If you have any questions or need additional information, feel free to contact me at 924-3990.

Sincerely,

Jeremy Hoover, P.E., C.F.M.
Senior Engineer
Hydrology Section
Development and Building Services

cc: file (C18/D24B)

Antoinette Baldonado, Construction Services

P.O. Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

D·R·HORTON® DHI Listed NYSE
America's Builder

June 26, 2007

Brad Bingham, P.E.
Development Review Board
Alternate City Engineer
Planning Department
City of Albuquerque
Plaza del Sol 2nd Floor
600 2nd Street NW
Albuquerque, NM 87102

Re: Request for Reclamation of Tracts AA & BB
Carmel Subdivision
DRB Project #1000072

Dear Brad:

When the Carmel Subdivision was built, on-site retention ponds were required to mitigate runoff from the project. Two ponds were constructed on the above referenced tracts. These ponds were always considered to be temporary in nature since downstream facilities would eventually be built. Recently a storm drain has been constructed in Holly Avenue that has sufficient capacity to accept the runoff intended for the ponds. It is my understanding that this storm drain should be accepted by the City very soon, at which time the ponds are no longer necessary.

To that end, D.R. Horton would like to reclaim the above referenced tracts for home construction. The temporary public drainage easement across both tracts was officially vacated at DRB on June 13, 2007. A replat has been prepared and submitted to DRB for approval and final signoff. This replat officially documents the vacation of the public drainage easement and renames Tracts AA and BB to Lot 16, Block 2 and Lot 15, Block 1, respectively.

As part of the pond reclamation, public infrastructure will have to be retrofitted. This includes the removal of three (3) sidewalk culverts and three (3) concrete rundowns, the abandonment in-place of a concrete culvert connecting the two ponds, and the reconstruction of curb and gutter and sidewalks. We propose to use the S.O. 19 permit process for this work.

If you have any questions or comments, please feel free to call me at 991-3612.

Sincerely,

Kevin C. Daggett, PE, PS
Land Development Manager

KEVIN C. DAGGETT STATE OF 13651 NEW MEXICO REGISTERED PROFESSIONAL ENGINEER

RECEIVED
JUL 20 2007
HYDROLOGY SECTION

4400 Alameda NE, Suite B
Albuquerque, NM 87113
(505) 797-4245 Fax (505) 797-9881

DRAINAGE AND TRANSPORTATION INFORMATION SHEET
(Rev. 12/05)

PROJECT TITLE: CARMEL SUBDIVISION ZONE MAP/DRG. FILE # C-14 / D024B
DRB#: 1000072 EPC#: N/A WORK ORDER#:

LEGAL DESCRIPTION: LOTS
CITY ADDRESS:

ENGINEERING FIRM: KEVIN DAGGETT CONTACT: KEVIN DAGGETT
ADDRESS: 4400 ALAMEDA, STE. B PHONE: 991-3612
CITY, STATE: ALB, NM ZIP CODE:

OWNER: D.R. HORTON CONTACT: KEVIN DAGGETT
ADDRESS: 4400 ALAMEDA, STE. B PHONE: 991-3612
CITY, STATE: ALB., NM 87113 ZIP CODE:

ARCHITECT: CONTACT:
ADDRESS: PHONE:
CITY, STATE: ZIP CODE:

SURVEYOR: KEVIN DAGGETT CONTACT: KEVIN DAGGETT
ADDRESS: 4400 ALAMEDA, STE. B PHONE: 991-3612
CITY, STATE: ALB., NM 87113 ZIP CODE:

CONTRACTOR: CONTACT:
ADDRESS: PHONE:
CITY, STATE: ZIP CODE:

TYPE OF SUBMITTAL:
_____ DRAINAGE REPORT
_____ DRAINAGE PLAN 1st SUBMITTAL
_____ DRAINAGE PLAN RESUBMITTAL
_____ CONCEPTUAL G & D PLAN
__✓__ GRADING PLAN
_____ EROSION CONTROL PLAN
_____ ENGINEER'S CERT (HYDROLOGY)
_____ CLOMR/LOMR
_____ TRAFFIC CIRCULATION LAYOUT
_____ ENGINEER/ARCHITECT CERT (TCL)
_____ ENGINEER/ARCHITECT CERT (DRB S.P.)
_____ ENGINEER/ARCHITECT CERT (AA)
__✓__ OTHER (SPECIFY)

CHECK TYPE OF APPROVAL SOUGHT:
_____ SIA/FINANCIAL GUARANTEE RELEASE
_____ PRELIMINARY PLAT APPROVAL
_____ S. DEV. PLAN FOR SUB'D APPROVAL
_____ S. DEV. FOR BLDG. PERMIT APPROVAL
_____ SECTOR PLAN APPROVAL
_____ FINAL PLAT APPROVAL
_____ FOUNDATION PERMIT APPROVAL
_____ BUILDING PERMIT APPROVAL
_____ CERTIFICATE OF OCCUPANCY (PERM)
_____ CERTIFICATE OF OCCUPANCY (TEMP)
__✓__ GRADING PERMIT APPROVAL
_____ PAVING PERMIT APPROVAL
_____ WORK ORDER APPROVAL
__✓__ OTHER (SPECIFY) S.D.P.

WAS A PRE-DESIGN CONFERENCE ATTENDED:
_____ YES
__✓__ NO
_____ COPY PROVIDED

CALL WHEN READY

RECEIVED
JUL 20 2007
HYDROLOGY SECTION

SUBMITTED BY: Kevin Daggett DATE: 7/20/07

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location and scope to the proposed development define the degree of drainage detail. One or more of the following levels of submittal may be required based on the following:

1. **Conceptual Grading and Drainage Plan**: Required for approval of Site Development Plans greater than five (5) acres and Sector Plans.

2. **Drainage Plans**: Required for building permits, grading permits, paving permits and site plans less than five (5) acres.

3. **Drainage Report**: Required for subdivision containing more than ten (10) lots or constituting five (5) acres or more.