

# CITY OF ALBUQUERQUE



May 11, 2006

D. Mark Goodwin, P.E.  
Mark Goodwin & Associates, P.A.  
P.O. Box 90606  
Albuquerque, NM 87199

**Re: Embudito Canyon, Tracts B1, B2 & Lot 174-P1 Miravista Subdivision,  
Drainage Report - Engineer's Stamp dated 3-16-06 (L21-D37C1)**

Dear Mr. Goodwin,

Based upon the information provided in your submittal dated 3-22-06, the above referenced plan is approved for Preliminary Plat action by the DRB. Once that board has approved the plan, please submit a mylar copy of the grading plan for my signature in order to obtain a Grading Permit.

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 Municipal Development Department Hydrology section at 768-3654 (Charles Caruso).

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

Sincerely,

Phillip J. Lovato, E.I., C.F.M.  
Engineering Associate, Hydrology,  
Development and Building Services,  
Planning Department

cc: Charles Caruso, DMD  
file

P.O. Box 1293

Albuquerque

New Mexico 87103

[www.cabq.gov](http://www.cabq.gov)

# DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003rd)

PROJECT TITLE: Embudo Canyon  
DRB #: \_\_\_\_\_ EPC#: \_\_\_\_\_

ZONE MAP/DRG. FILE #: 4-21 / D 37C1  
WORK ORDER#: \_\_\_\_\_

LEGAL DESCRIPTION: Tracts 81, B2 & Lot 174 - P1  
CITY ADDRESS: \_\_\_\_\_ Mirovista Subdivision

ENGINEERING FIRM: Mark Goodwin & Associates, PA  
ADDRESS: PO Box 90606  
CITY, STATE: Albuquerque, NM

CONTACT: Scott Davis  
PHONE: 828-2200  
ZIP CODE: 87199

OWNER: TS McNairy & Associates  
ADDRESS: 3 Wind Rd NW  
CITY, STATE: Alb, NM

CONTACT: Karl Smith  
PHONE: 338-2286  
ZIP CODE: 87120

ARCHITECT: N/A  
ADDRESS: \_\_\_\_\_  
CITY, STATE: \_\_\_\_\_

CONTACT: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
ZIP CODE: \_\_\_\_\_

SURVEYOR: N/A  
ADDRESS: \_\_\_\_\_  
CITY, STATE: \_\_\_\_\_

CONTACT: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
ZIP CODE: \_\_\_\_\_

CONTRACTOR: N/A  
ADDRESS: \_\_\_\_\_  
CITY, STATE: \_\_\_\_\_

CONTACT: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
ZIP CODE: \_\_\_\_\_

## CHECK TYPE OF SUBMITTAL:

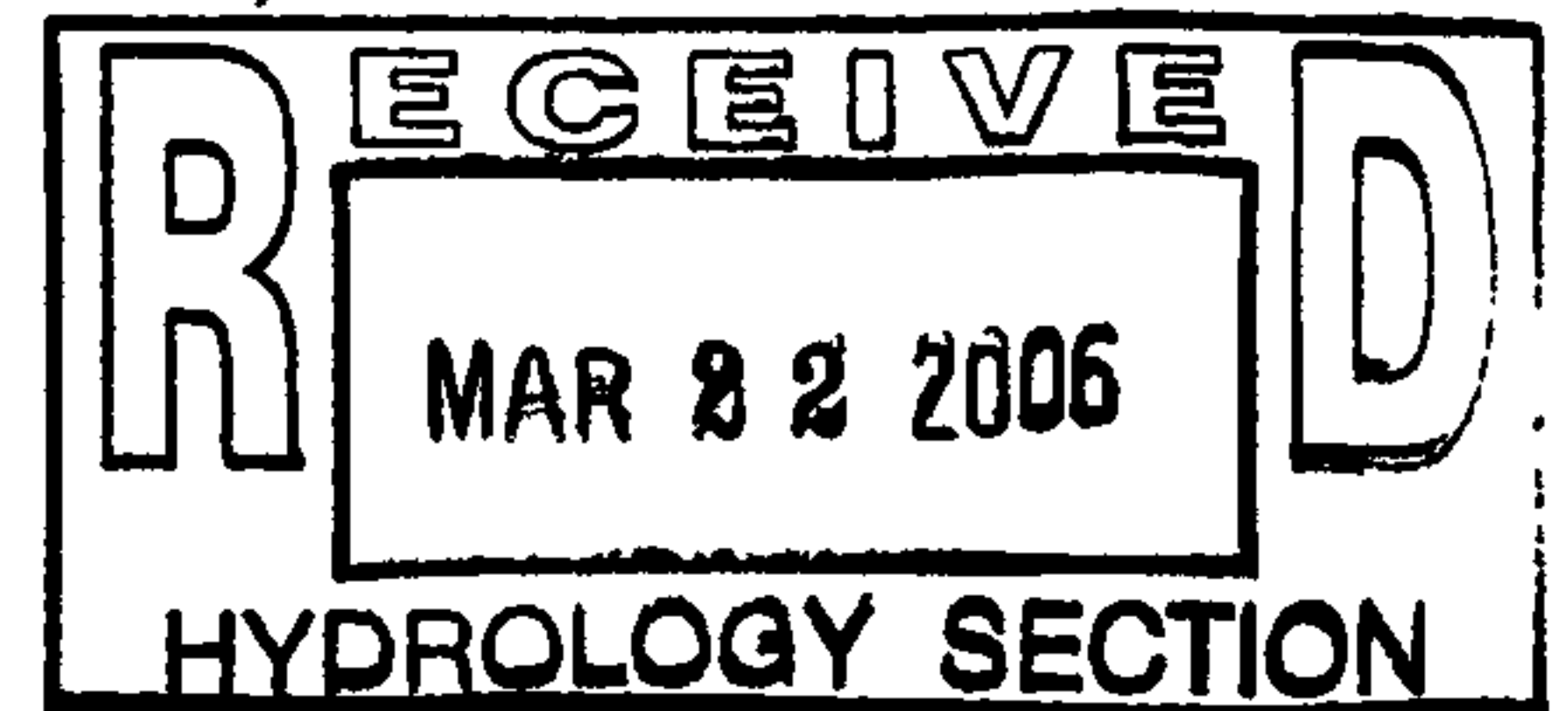
- ☒ DRAINAGE REPORT
- ☐ DRAINAGE PLAN 1<sup>st</sup> SUBMITTAL, **REQUIRES TCL or equal**
- ☐ DRAINAGE PLAN RESUBMITTAL
- ☐ CONCEPTUAL GRADING & DRAINAGE PLAN
- ☒ GRADING PLAN
- ☐ EROSION CONTROL PLAN
- ☐ ENGINEER'S CERTIFICATION (HYDROLOGY)
- ☐ CLOMR/LOMR
- ☐ TRAFFIC CIRCULATION LAYOUT (TCL)
- ☐ ENGINEERS CERTIFICATION (TCL)
- ☐ ENGINEERS CERTIFICATION (DRB APPR. SITE PLAN)
- ☐ OTHER

## CHECK TYPE OF APPROVAL SOUGHT:

- ☐ SIA / FINANCIAL GUARANTEE RELEASE
- ☒ PRELIMINARY PLAT APPROVAL
- ☐ S. DEV. PLAN FOR SUB'D. APPROVAL
- ☐ S. DEV. PLAN 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)

## WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ☐ YES
- ☒ NO
- ☐ COPY PROVIDED



DATE SUBMITTED: 3/22/06

BY: Scott Davis

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location and scope of the proposed development defines 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 subdivisions containing more than ten (10) lots or constituting five (5) acres or more.

# MARK GOODWIN & ASSOCIATES, PA

## LETTER OF TRANSMITTAL

TO: One Stop

DATE: 3-23-06

RE: Embudito Canyon

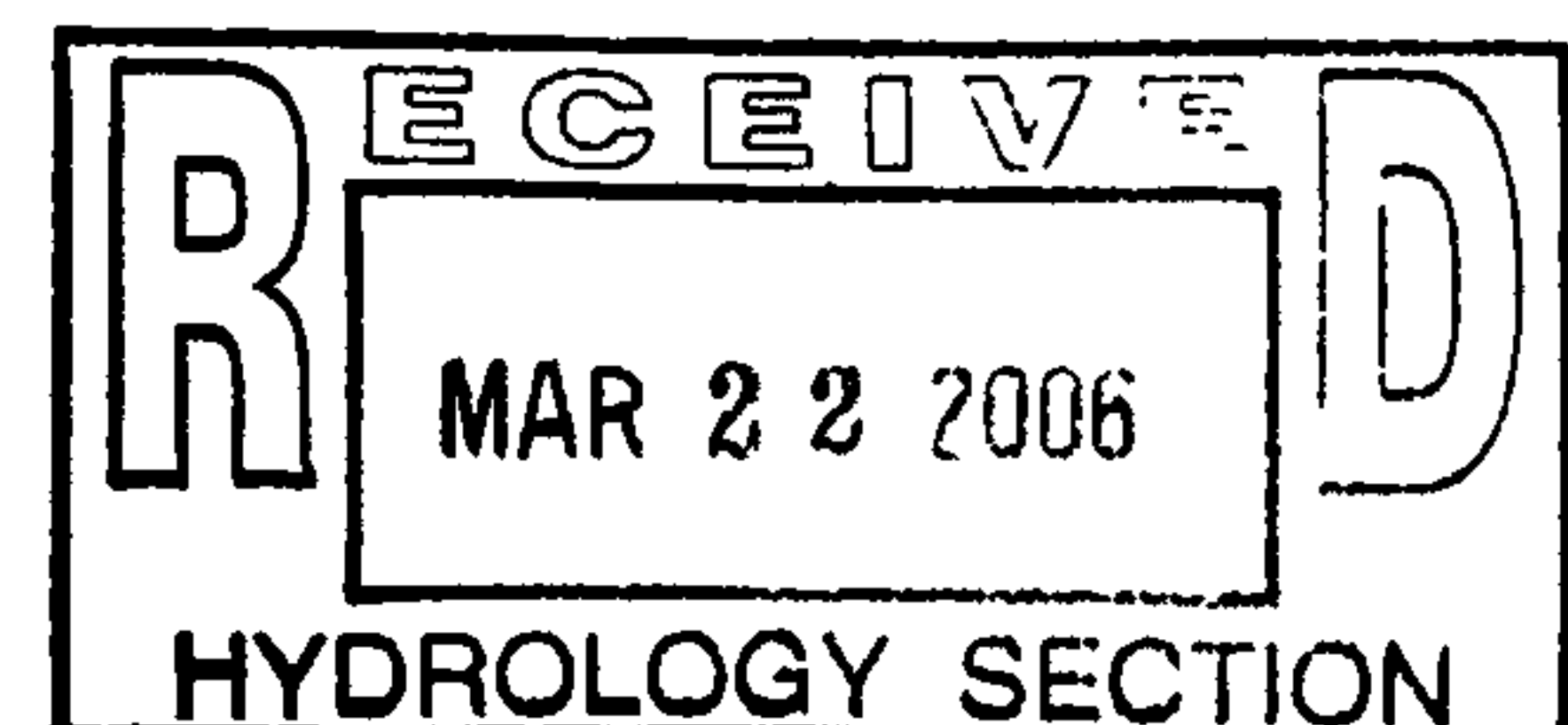

### ITEMS BEING TRANSMITTED

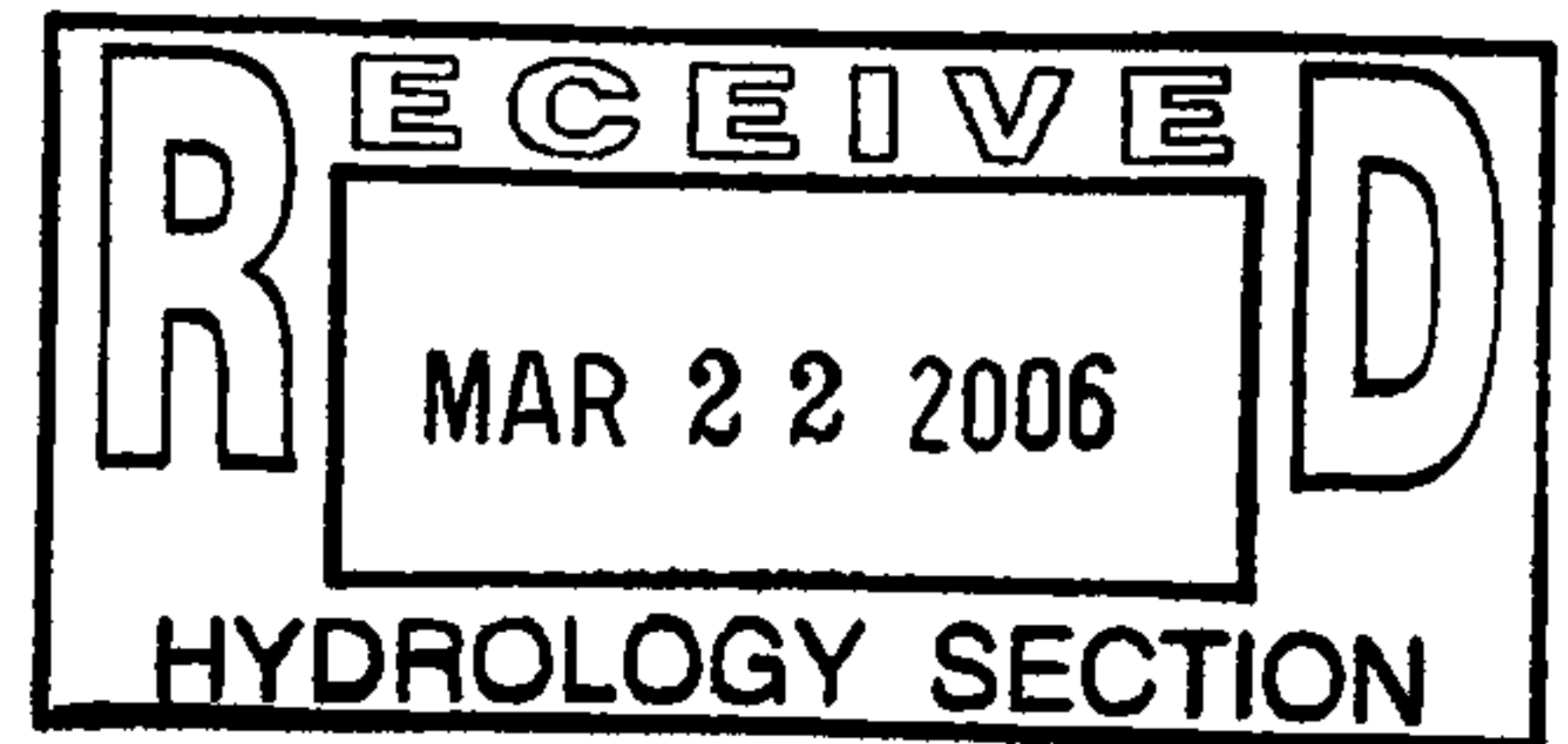
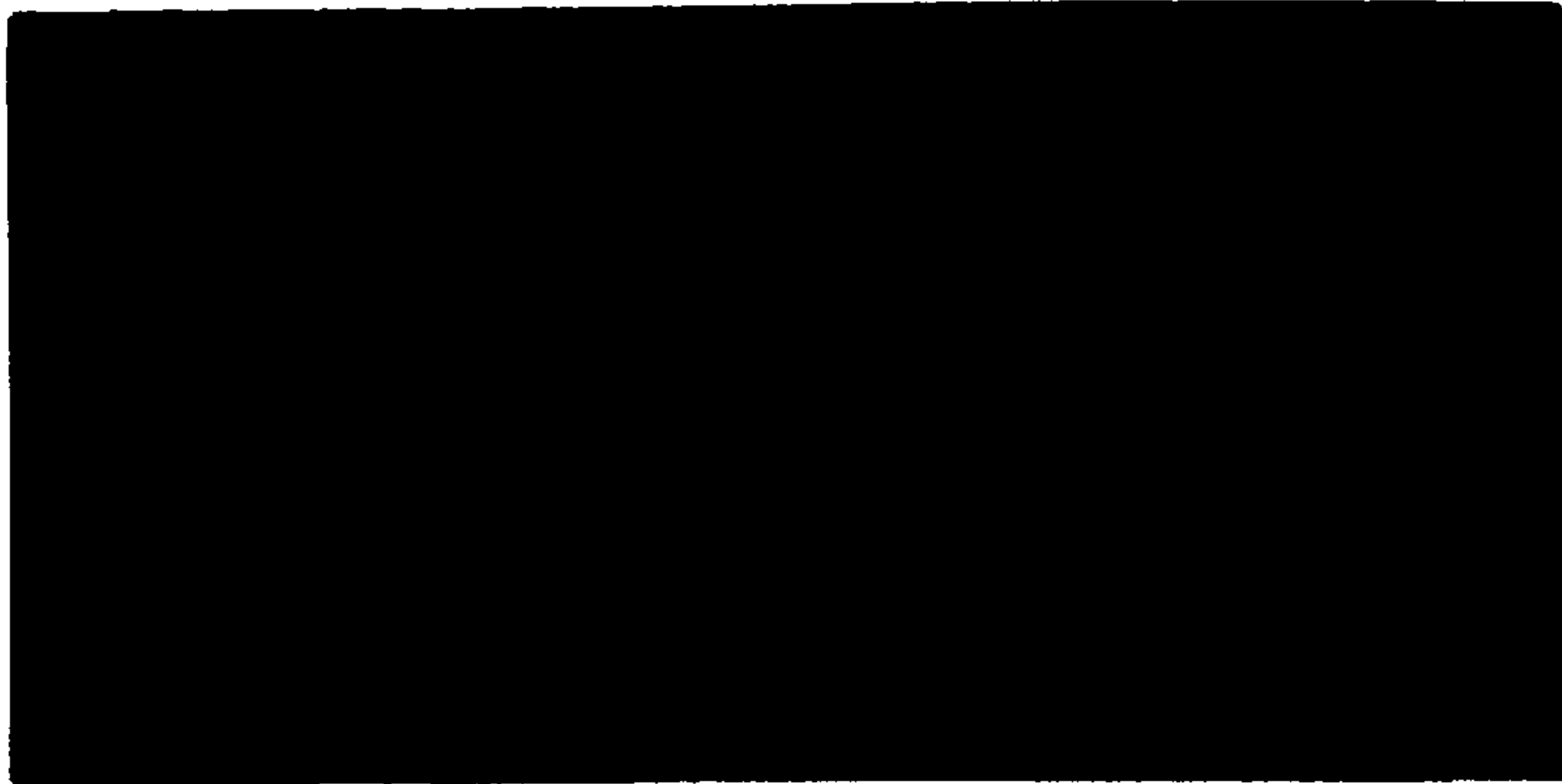
1	Drainage Report
1	Submittal Fee Check for \$260.00

The fee breakdown for this submittal is as follows:

$$\$50.00 + \$10.00/\text{Lot} = 50.00 + 10.00(21) = \$260.00$$

PROJECT ENGINEER: Scott Davis





**MARK GOODWIN**

---

**& ASSOCIATES**  
CONSULTING ENGINEERS

dmg

***DRAINAGE REPORT***  
***for***  
***Embudito Canyon Subdivision***

*Prepared for*

***T.S. McNaney & Associates***  
***3 Wind Road NW***  
***Albuquerque, NM 87120***

*Prepared by*

***Mark Goodwin & Associates, PA***  
***P.O. Box 90606***  
***Albuquerque, NM 87199***  
***(505) 828-2200***

***March, 2006***

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FIGURE 1: VICINITY MAP

APPENDIX A HYDROLOGY

POCKET 1: GRADING AND DRAINAGE PLAN

POCKET 2: PLAT



## **I. PROJECT DESCRIPTION**

*The proposed site area comprises approximately 2.3 acres at the intersection of Elizabeth St S.E and Southern Ave S.E . The current legal description of the site is Tract B-1 and B-2 of Manzano Mesa.*

*The Purpose of this report is to present the drainage management plan for the 21 lot subdivision in order to obtain preliminary plat approval. All applicable ordinances, the DPM and AHYMO were utilized to prepare this plan.*

## **II. DRAINAGE DESIGN CRITERIA**

*The design criteria used in this report was in accordance with Section 22.2 Hydrology of the Development Process Manual. The 100-year, 6-hour storm event was utilized to determine site runoff rates using  $P(1 \text{ hr}) = 1.74"$ ,  $P(6 \text{ hr}) = 2.26"$  and  $P(24 \text{ hr}) = 2.75"$ , obtained from the latest NOAA Precipitation Atlas. The onsite Land Treatment values used were Treatment D=55 and Treatment B=45 for Lots and D= 80% and B=20% for road ROW. AHYMO printouts are provided in Appendix A.*

## **III. EXISTING DRAINAGE CONDITION**

*The site presently consists of undeveloped land covered by native vegetation and small open areas of the native sandy surface. Slope is predominantly toward the west at approximately 1.50%. With existing units of the Maravista Subdivision located along the northern and eastern boundary, and fully developed roadways along the western and southern boundary, no off-site floodwaters currently impact this site. An existing 42" storm drain currently extends along the eastern, southern, and portions of the western boundary of this site which collects floodwaters ( $Q=95 \text{ cfs}$ ) from the adjacent subdivision to the east and routes the flows to a 108" trunk line located within Elizabeth Street, west of this site.*

#### **IV. DEVELOPED DRAINAGE CONDITIONS**

*The developed drainage management plan calls for the relocation of the existing 42" storm drain from it's existing location to the new onsite street which will be constructed to current City standards. All lots are designed to drain from back to front to the new street which will drain to the west. At the end of the new cul de sac, a new Type C drop inlet is planned which will be located within a sump condition to intercept the developed onsite storm flow (as in the existing state, no offsite flows impact this site in the developed state). An 18" lateral pipe will add the onsite generated flows, estimated to be 6.51 cfs, to the re-routed 42" storm flows. The combined flows will then outfall to the existing 108" Elizabeth Street storm drain.*

#### **V. CONCLUSIONS**

*In following the drainage management plan presented in this report, the development of the Embudito Canyon Subdivision will result in no adverse impacts to downstream properties.*



# ***APPENDIX A***

## ***HYDROLOGY***

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	PAGE = 1 NOTATION
START										TIME= .00
RAINFALL	TYPE= 1									RAIN6= 2.260
COMPUTE NM HYD	100.30	-	3	.00010	.22/let	.007	1.39378	1.500	3.381	PER IMP= 55.00
COMPUTE NM HYD	100.40	-	4	.00080	1.89	.074	1.73400	1.500	3.686	PER IMP= 80.00
FINISH										

0.22 (21) = 4.62 CFS

AHYMO PROGRAM (AHYMO 97) - - VERSION: 1997.02D  
 RUN DATE (MON/DAY/YR) = 03/20/2006  
 START TIME (HR:MIN:SEC) = 09:11:26 USER NO.= AHYMO-I-9702DGOODWINM-AH  
 INPUT FILE = C:\DOCUME~1\PAVAN\DESKTOP\PAVAN\EMBUDI~1.TXT

START TIME=0.0  
 \*\*\*\*\* EMBUDITO CANYON SUBDIVISION N.M.  
 \*\*\*\*\* FILE: C:\AHYMO\ EMBUDITO CANYON.DAT MARCH 15, 2006 BY PAVAN  
 \*\*\*\*\*  
 \*\*\*\*\* 100-YEAR 6-HOUR STORM EVENT  
 \*\*\*\*\*  
 \*\*\*\*\* DEVELOPED CONDITIONS  
 \*\*\*\*\*  
 RAINFALL TYPE=1 RAIN QUARTER=0.0 IN  
 RAIN ONE=1.74 IN RAIN SIX=2.26 IN  
 RAIN DAY=2.75 IN DT=0.033333 HR

COMPUTED 6-HOUR RAINFALL DISTRIBUTION BASED ON NOAA ATLAS 2 - PEAK AT 1.40 HR.  
 DT = .033333 HOURS END TIME = 5.999940 HOURS

.0000	.0042	.0085	.0129	.0174	.0219	.0266
.0314	.0363	.0413	.0464	.0516	.0570	.0625
.0682	.0740	.0800	.0861	.0925	.0991	.1058
.1129	.1201	.1277	.1355	.1437	.1522	.1612
.1705	.1804	.1907	.1956	.2007	.2062	.2180
.2445	.2852	.3436	.4233	.5281	.6617	.8281
1.0311	1.2189	1.2975	1.3639	1.4229	1.4766	1.5260
1.5719	1.6148	1.6551	1.6929	1.7286	1.7623	1.7942
1.8245	1.8532	1.8804	1.9062	1.9307	1.9371	1.9431
1.9489	1.9545	1.9599	1.9652	1.9703	1.9752	1.9800
1.9846	1.9892	1.9936	1.9979	2.0022	2.0063	2.0104
2.0143	2.0182	2.0221	2.0258	2.0295	2.0332	2.0367
2.0402	2.0437	2.0471	2.0505	2.0538	2.0571	2.0603
2.0635	2.0666	2.0697	2.0727	2.0758	2.0787	2.0817
2.0846	2.0875	2.0903	2.0932	2.0960	2.0987	2.1015
2.1042	2.1068	2.1095	2.1121	2.1147	2.1173	2.1199
2.1224	2.1249	2.1274	2.1299	2.1323	2.1348	2.1372
2.1396	2.1419	2.1443	2.1466	2.1489	2.1512	2.1535
2.1558	2.1580	2.1603	2.1625	2.1647	2.1669	2.1691
2.1712	2.1734	2.1755	2.1776	2.1797	2.1818	2.1839
2.1859	2.1880	2.1900	2.1921	2.1941	2.1961	2.1981
2.2001	2.2020	2.2040	2.2059	2.2079	2.2098	2.2117
2.2136	2.2155	2.2174	2.2193	2.2211	2.2230	2.2248
2.2267	2.2285	2.2303	2.2321	2.2339	2.2357	2.2375
2.2393	2.2411	2.2428	2.2446	2.2463	2.2481	2.2498
2.2515	2.2532	2.2549	2.2566	2.2583	2.2600	

\*\*\*\*\* SINGLE LOT - (0.092 ACRES)

COMPUTE NM HYD ID=3 HYD NO=100.3 AREA=0.0001 SQ MI

PER A=0 PER B=45 PER C=0 PER D=55  
TP=0.1333 HR MASS RAINFALL=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000 SHAPE CONSTANT, N = 7.106420  
UNIT PEAK = .21714 CFS UNIT VOLUME = .9473 B = 526.28 P60 = 1.7400  
AREA = .000055 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR  
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033333

K = .133279HR TP = .133300HR K/TP RATIO = .999845 SHAPE CONSTANT, N = 3.530853  
UNIT PEAK = .10890 CFS UNIT VOLUME = .8696 B = 322.57 P60 = 1.7400  
AREA = .000045 SQ MI IA = .50000 INCHES INF = 1.25000 INCHES PER HOUR  
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033333

PRINT HYD ID=3 CODE=1

PARTIAL HYDROGRAPH 100.30  
RUNOFF VOLUME = 1.39378 INCHES = .0074 ACRE-FEET  
PEAK DISCHARGE RATE = .22 CFS AT 1.500 HOURS BASIN AREA = .0001 SQ. MI.

\*\*\*\*\* ROAD ROW(0.568 AC)

COMPUTE NM HYD ID=4 HYD NO=100.4 AREA=0.0008 SQ MI  
PER A=0 PER B=20 PER C=0 PER D=80  
TP=0.1333 HR MASS RAINFALL=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000 SHAPE CONSTANT, N = 7.106420  
UNIT PEAK = 2.5268 CFS UNIT VOLUME = .9949 B = 526.28 P60 = 1.7400  
AREA = .000640 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR  
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033333

K = .133279HR TP = .133300HR K/TP RATIO = .999845 SHAPE CONSTANT, N = 3.530853  
UNIT PEAK = .38719 CFS UNIT VOLUME = .9659 B = 322.57 P60 = 1.7400  
AREA = .000160 SQ MI IA = .50000 INCHES INF = 1.25000 INCHES PER HOUR  
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033333

PRINT HYD ID=4 CODE=1

PARTIAL HYDROGRAPH 100.40  
RUNOFF VOLUME = 1.73400 INCHES = .0740 ACRE-FEET  
PEAK DISCHARGE RATE = 1.89 CFS AT 1.500 HOURS BASIN AREA = .0008 SQ. MI.



# POINT PRECIPITATION FREQUENCY ESTIMATES FROM NOAA ATLAS 14



New Mexico 35.07 N 106.543 W 5406 feet

from "Precipitation-Frequency Atlas of the United States" NOAA Atlas 14, Volume 1, Version 3

G.M. Bonnin, D. Todd, B. Lin, T. Parzybok, M. Yekta, and D. Riley

NOAA, National Weather Service, Silver Spring, Maryland, 2003

Extracted: Wed Mar 15 2006

Confidence Limits	Seasonality	Location Maps	Other Info.	GIS data	Maps	Help	D
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Precipitation Frequency Estimates (inches)																		
ARI* (years)	5 min	10 min	15 min	30 min	60 min	120 min	3 hr	6 hr	12 hr	24 hr	48 hr	4 day	7 day	10 day	20 day	30 day	45 day	60 day
2	0.22	0.34	0.42	0.57	0.70	0.81	0.86	1.00	1.11	1.29	1.44	1.69	1.91	2.11	2.69	3.22	3.92	4.53
5	0.30	0.46	0.57	0.76	0.94	1.08	1.13	1.28	1.40	1.62	1.81	2.09	2.35	2.60	3.28	3.90	4.70	5.43
10	0.36	0.55	0.68	0.91	1.12	1.28	1.34	1.50	1.63	1.88	2.10	2.41	2.69	2.99	3.73	4.42	5.27	6.08
25	0.43	0.66	0.82	1.11	1.37	1.57	1.62	1.79	1.94	2.22	2.49	2.84	3.15	3.51	4.32	5.06	5.97	6.88
50	0.49	0.75	0.93	1.25	1.55	1.79	1.85	2.02	2.17	2.48	2.79	3.17	3.50	3.90	4.75	5.53	6.47	7.43
100	0.55	0.84	1.04	1.41	1.74	2.02	2.08	2.26	2.40	2.75	3.09	3.51	3.85	4.30	5.17	5.98	6.94	7.96
200	0.62	0.94	1.16	1.56	1.94	2.25	2.32	2.50	2.63	3.02	3.39	3.85	4.20	4.71	5.58	6.42	7.38	8.45
500	0.70	1.06	1.32	1.77	2.19	2.57	2.65	2.82	2.94	3.38	3.80	4.31	4.66	5.23	6.10	6.96	7.91	9.04
1000	0.76	1.16	1.44	1.93	2.39	2.83	2.90	3.06	3.18	3.64	4.10	4.66	5.00	5.63	6.48	7.35	8.28	9.44

Text version of table

\* These precipitation frequency estimates are based on a partial duration series. ARI is the Average Recurrence Interval.



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

P.O. BOX 90606, ALBUQUERQUE, NM 87199  
(505) 828-2200 FAX 797-9539

PROJECT SMITH CANYON

SUBJECT STREET CAPACITY

BY PAVAN DATE 1st May

CHECKED \_\_\_\_\_ DATE \_\_\_\_\_

SHEET \_\_\_\_\_ OF \_\_\_\_\_

# 1) STREET CAPACITY

4" MOUNTABLE CURB, SLOPE = 1.5%

$$Q = 6.51 \text{ CFS} \quad 21(0.22 \text{ CFS/LOT}) + 1.89 \text{ CFS}$$

$$\text{STREET SECTION} = 28' \text{ F.F.}$$

$$\text{USE FLOW DEPTH} = 0.33'$$

$$A = (.05 \times 28') + 2\left(\frac{1}{2} \times 14 \times 0.28\right)$$

$$1.4 + 3.92 = 5.32 \text{ SF}$$

$$R_h = \frac{5.32}{(28 + 0.60)} = 0.185$$

$$V = 1.49 (R)^{2/3} (S)^{1/2} / n = 1.49 (0.185)^{2/3} (0.015)^{1/2} / 0.015$$

$$= 28.52 \times (0.015)^{1/2} = 3.49 \text{ FPS}$$

$$Q = V A = 3.49 \times 5.32 = 18.58 \text{ CFS}$$

$$> 6.51 \text{ CFS} \quad \text{--- OK}$$

$$d + V^2/2g = .33 + (3.49)^2/64.4 = 0.52 < 0.53 \text{ OK}$$

INLET CALS.

$$Q_{TOT} = 6.51 \text{ CFS}$$

$$Q = C A (2gh)^{1/2} \quad C = 0.67 \quad h_i = 0.67'$$





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

P.O. BOX 90606, ALBUQUERQUE, NM 87199  
(505) 828-2200 FAX 797-9539

PROJECT EMBUDITO CANYON  
SUBJECT INLET CALC  
BY PAVAN DATE \_\_\_\_\_  
CHECKED \_\_\_\_\_ DATE \_\_\_\_\_  
SHEET \_\_\_\_\_ OF \_\_\_\_\_

SINGLE ABQ GRATE CROSS AREA = 6.94 SF

⊖ BEARING & CROSS BARE AREA = 2.51 SF  
4.43 SF

W/1/2" LOG INLET, A = 2.21 SF

USE CURB OPENING AND  $0.5 \times 3 = 1.5$  SF

$$Q_{\text{grate}} = .67 / (2.21) (2 \times 3.22 \times 0.67)^{1/2} \\ = 9.73 \text{ CFS.}$$

$$Q_{\text{curb opening}} = .67 (1.5) (4.4 \times 0.67)^{1/2} \\ = 6.60 \text{ CFS.}$$

$$\underline{16.33 \text{ CFS}}$$

So SINGLE 1700" INLET IS USED

# CITY OF ALBUQUERQUE



November 29, 2007

Alvin S. Medina, P.E.  
**Mark Goodwin & Associates, P.A.**  
P.O. Box 90606  
Albuquerque, NM 87199

**RE: Embudito Canyon Subdivision (L-21/D37C1)**  
**Engineers Certification for Release of Financial Guaranty**  
**Engineers Stamp dated 3/16/07**  
**Engineers Certification dated 11/19/07**  
**WO #: 786981**

Based upon the information provided in your Engineer's Certification Submittal dated 11/28/07, the above referenced plan is adequate to satisfy the Grading and Drainage Certification for Release of Financial Guaranty.

P.O. Box 1293

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

Albuquerque

Sincerely,

New Mexico 87103

Timothy Sims  
Plan Checker- Hydrology,  
Development and Building Services

[www.cabq.gov](http://www.cabq.gov)

C: Marilyn Maldonado  
File  
WO # 786981

# DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003rd)

L-21/D037C1

PROJECT TITLE: Emubito Canyon  
DRB #: 1004793 EPC#: \_\_\_\_\_

ZONE MAP/DRG. FILE #: L-21-Z  
WORK ORDER#: 786981

LEGAL DESCRIPTION: \_\_\_\_\_  
CITY ADDRESS: \_\_\_\_\_

ENGINEERING FIRM: Mark Goodwin & Associates, PA  
ADDRESS: PO Box 90606  
CITY, STATE: Albuquerque, NM

CONTACT: Scott Medina  
PHONE: 828-2200  
ZIP CODE: 87199

OWNER: ELSO LLC  
ADDRESS: 5111 San Mateo NE, #A-1  
CITY, STATE: Albuquerque, NM

CONTACT: Karl Smith  
PHONE: (505) 338-2286  
ZIP CODE: 87109

ARCHITECT: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
CITY, STATE: \_\_\_\_\_

CONTACT: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
ZIP CODE: \_\_\_\_\_

SURVEYOR: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
CITY, STATE: Albuquerque, NM

CONTACT: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
ZIP CODE: 87107

CONTRACTOR: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
CITY, STATE: \_\_\_\_\_

CONTACT: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
ZIP CODE: \_\_\_\_\_

## CHECK TYPE OF SUBMITTAL:

- ☐ DRAINAGE REPORT
- ☐ DRAINAGE PLAN 1<sup>st</sup> SUBMITTAL, **REQUIRES TCL or equal**
- ☐ DRAINAGE PLAN RESUBMITTAL
- ☐ CONCEPTUAL GRADING & DRAINAGE PLAN
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- ☐ EROSION CONTROL PLAN
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- ☐ CLOMR/LOMR
- ☐ TRAFFIC CIRCULATION LAYOUT (TCL)
- ☐ ENGINEERS CERTIFICATION (TCL)
- ☐ ENGINEERS CERTIFICATION (DRB APPR. SITE PLAN)
- ☐ OTHER

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- ☒ SIA / FINANCIAL GUARANTEE RELEASE
- ☐ PRELIMINARY PLAT APPROVAL
- ☐ S. DEV. PLAN FOR SUB'D. APPROVAL
- ☐ S. DEV. PLAN 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)

## WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ☐ YES
- ☒ NO
- ☐ COPY PROVIDED



DATE SUBMITTED: 11/28/07

BY: Scott Medina

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location and scope of the proposed development defines 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 subdivisions containing more than ten (10) lots or constituting five (5) acres or more.

# CITY OF ALBUQUERQUE



November 21, 2007

Alvin Scott Medina, PE  
**MARK GOODWIN & ASSOCIATES**  
P.O. Box 90606  
Albuquerque, NM 87119

**RE: Embudito Canyon Subdivision (L-21/D037C1)**  
**Engineers Certification for...**  
**Engineers Stamp dated 03/16/2006**  
**Engineers Certification dated 11/19/2007**

Mr. Medina:

Based upon the information provided in your Engineer's Certification Submittal dated 11/21/2007, the above referenced plan cannot be approved for Engineer's Certification for... until the following comments are addressed:

P.O. Box 1293

Albuquerque

New Mexico 87103

[www.cabq.gov](http://www.cabq.gov)

1. What type of approval are you seeking? Release of financial guarantee/ SIA release, or a Certificate of Occupancy
2. The site will need more as built elevations to accurately represent the project.
3. If this is a release of financial guarantee, include a copy for Storm Drain Maintenance approval of the newly constructed storm drain.
4. The work order number is also required for a release of financial guarantee.

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

Sincerely,

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

C: File



# DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 1/28/2003rd)

PROJECT TITLE: Embudito Canyon

DRB #: 1004793

EPC#: \_\_\_\_\_

ZONE MAP/DRG. FILE #: L-21-Z

WORK ORDER#: \_\_\_\_\_

L-21/D037C1

LEGAL DESCRIPTION: \_\_\_\_\_

CITY ADDRESS: \_\_\_\_\_

ENGINEERING FIRM: Mark Goodwin & Associates, PA

ADDRESS: PO Box 90606

CITY, STATE: Albuquerque, NM

CONTACT: Scott Medina

PHONE: 828-2200

ZIP CODE: 87199

OWNER: Eiso LLC

ADDRESS: 5111 San Mateo NE, #A-1

CITY, STATE: Albuquerque, NM

CONTACT: Karl Smith

PHONE: 338-2286

ZIP CODE: 87109

ARCHITECT: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY, STATE: \_\_\_\_\_

CONTACT: \_\_\_\_\_

PHONE: \_\_\_\_\_

ZIP CODE: \_\_\_\_\_

SURVEYOR: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY, STATE: Albuquerque, NM

CONTACT: \_\_\_\_\_

PHONE: \_\_\_\_\_

ZIP CODE: 87107

CONTRACTOR: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY, STATE: \_\_\_\_\_

CONTACT: \_\_\_\_\_

PHONE: \_\_\_\_\_

ZIP CODE: \_\_\_\_\_

CHECK TYPE OF SUBMITTAL:

- ☐ DRAINAGE REPORT
- ☐ DRAINAGE PLAN 1<sup>st</sup> SUBMITTAL, **REQUIRES TCL or equal**
- ☐ DRAINAGE PLAN RESUBMITTAL
- ☐ CONCEPTUAL GRADING & DRAINAGE PLAN
- ☐ GRADING PLAN
- ☐ EROSION CONTROL PLAN
- ☒ ENGINEER'S CERTIFICATION (HYDROLOGY)
- ☐ CLOMR/LOMR
- ☐ TRAFFIC CIRCULATION LAYOUT (TCL)
- ☐ ENGINEERS CERTIFICATION (TCL)
- ☐ ENGINEERS CERTIFICATION (DRB APPR. SITE PLAN)
- ☐ OTHER

CHECK TYPE OF APPROVAL SOUGHT:

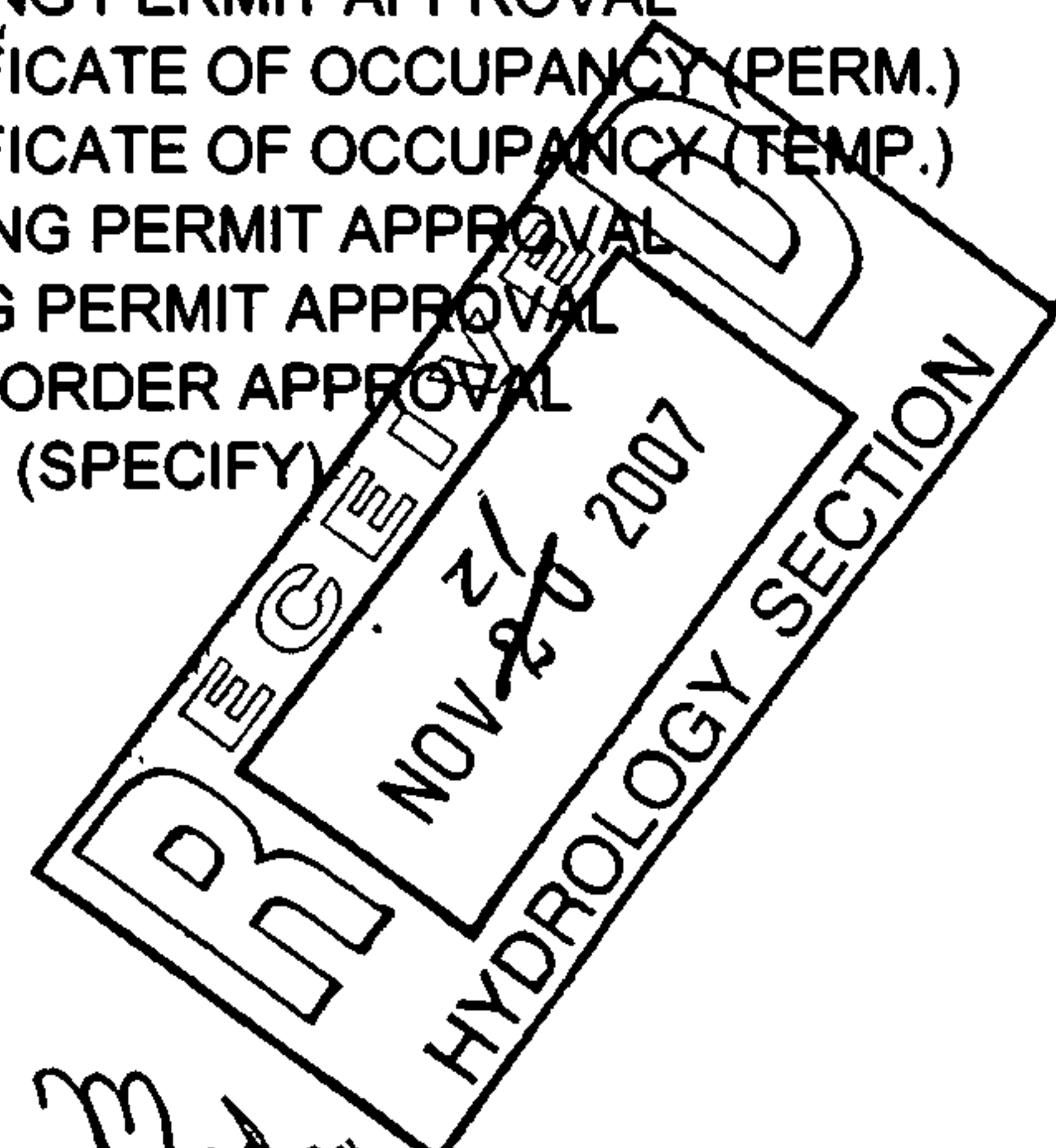
- ☐ SIA / FINANCIAL GUARANTEE RELEASE
- ☐ PRELIMINARY PLAT APPROVAL
- ☐ S. DEV. PLAN FOR SUB'D. APPROVAL
- ☐ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
- ☐ SECTOR PLAN APPROVAL
- ☐ FINAL PLAT APPROVAL
- ☐ FOUNDATION PERMIT APPROVAL
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