



# ***City of Albuquerque***

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

June 4, 2001

Ron Bohannon, PE  
Tierra West LLC  
8509 Jefferson NE  
Albuquerque, NM 87113

**Re: Wal-Mart #835-02 Expansion Drainage Report**  
**Engineer's Stamp dated 5-7-01 (K21/D09A1)**

Dear Mr. Bohannon,

Based upon the information provided in your resubmittal dated 5-7-01, the above referenced plan is approved for Preliminary Plat, Site Development Plan for Subdivision and Site Development Plan for Building Permit actions by the DRB.

Prior to Building Permit or Work Order approval, please provide a Hydraulic Grade Line analysis and provide written permission by the NMSHTD for the connection to the channel.

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

Sincerely,

*Bradley L. Bingham*  
Bradley L. Bingham, PE  
Senior Engineer, Hydrology

C: file

## DRAINAGE INFORMATION SHEET

PROJECT TITLE: Wal-Mart Expansion Store #835-02 ZONE ATLAS/DRNG. FILE #: K-21 1D9A1

DRB #: \_\_\_\_\_ EPC #: \_\_\_\_\_ WORK ORDER #: \_\_\_\_\_

LEGAL DESCRIPTION: Tract B-1A Towne Park Plaza and Lots 1 and 5 of the Lenkurt Properties

CITY ADDRESS: Southeast corner of Eubank Blvd and Copper Avenue

ENGINEERING FIR TIERRA WEST, LLC CONTACT: RONALD R. BOHANNAN OR SARA LAVY

ADDRESS: 8509 Jefferson NE, ABQ, NM 87113 PHONE: (505) 858-3100

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

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

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

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

SURVEYOR: Surv-Tek CONTACT: Russ Hugg

ADDRESS: 5643 Paradise Blvd, NW PHONE: (505)897-3366

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

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

### TYPE OF SUBMITTAL:

☒ DRAINAGE REPORT  
☐ DRAINAGE PLAN  
☐ CONCEPTUAL GRADING & DRAINAGE PLAN  
☒ GRADING PLAN  
☐ EROSION CONTROL PLAN  
☐ ENGINEER'S CERTIFICATION  
☐ OTHER

### PRE-DESIGN MEETING:

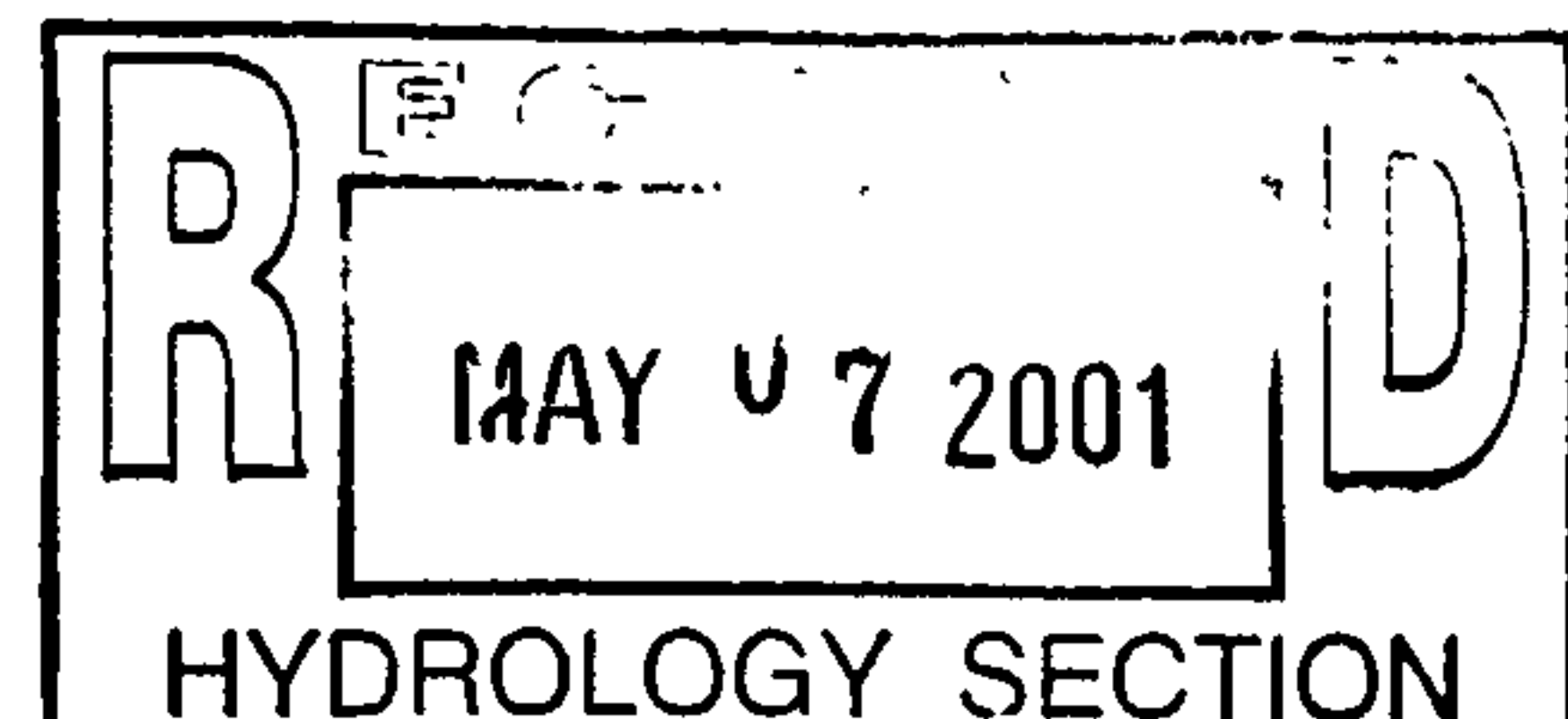
☒ YES  
☐ NO  
☐ COPY PROVIDED

### CHECK TYPE OF APPROVAL SOUGHT:

☐ SKETCH PLAN APPROVAL  
☒ 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 APPROVAL  
☐ GRADING PERMIT APPROVAL  
☐ PAVING PERMIT APPROVAL  
☐ S. A. D. DRAINAGE REPORT  
☐ DRAINAGE REQUIREMENTS  
☐ OTHER

DATE SUBMITTED: 5/7/01

BY: Sara Lavy



# MASTER DRAINAGE PLAN

for

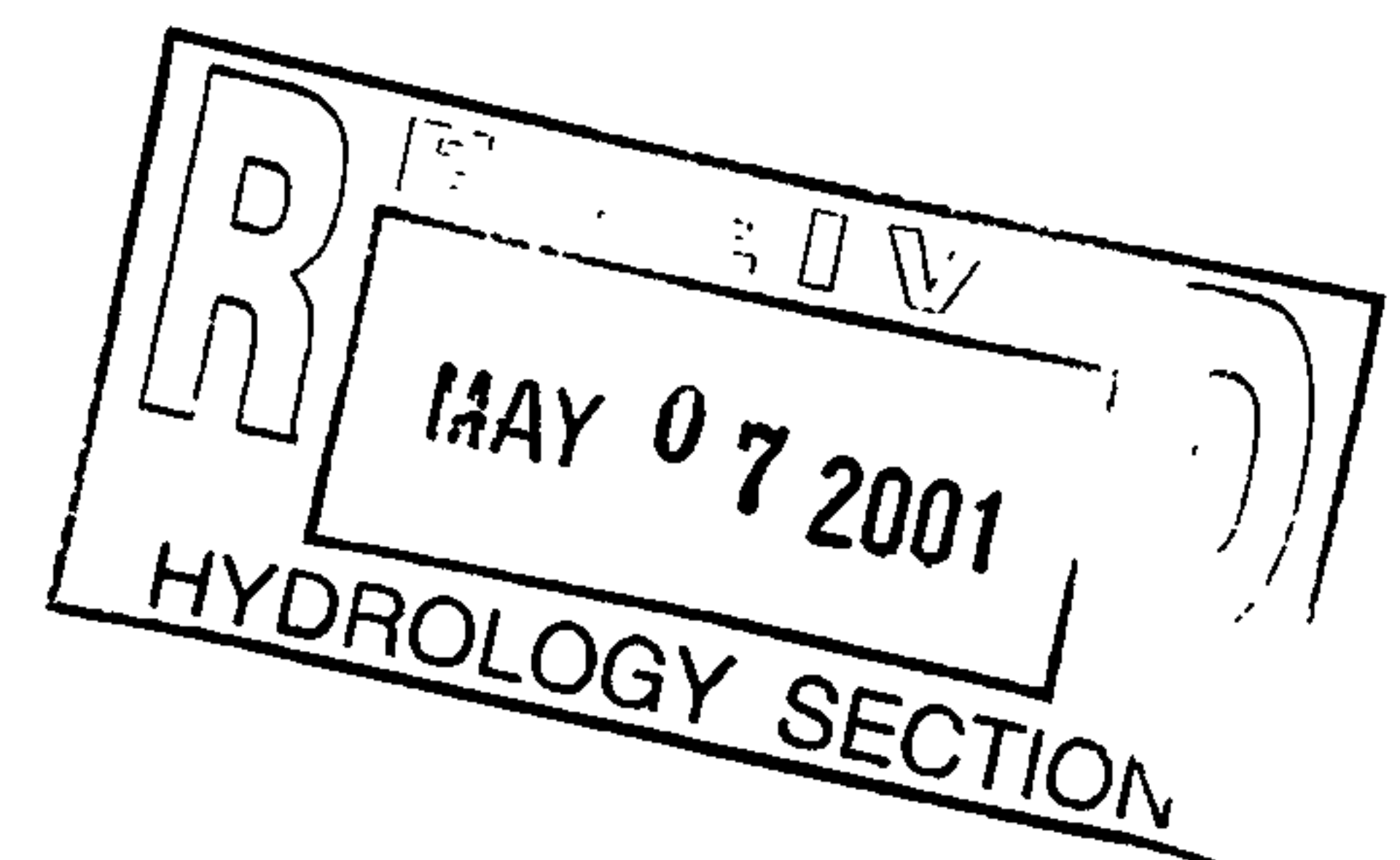
## Wal-Mart Store Expansion Store #835-02

Prepared by:

Tierra West, LLC  
8509 Jefferson NE  
Albuquerque, New Mexico 87113

Prepared for:

Wal-Mart Stores East, Inc.  
2001 SE 10<sup>th</sup> Street  
Bentonville, AR 72716



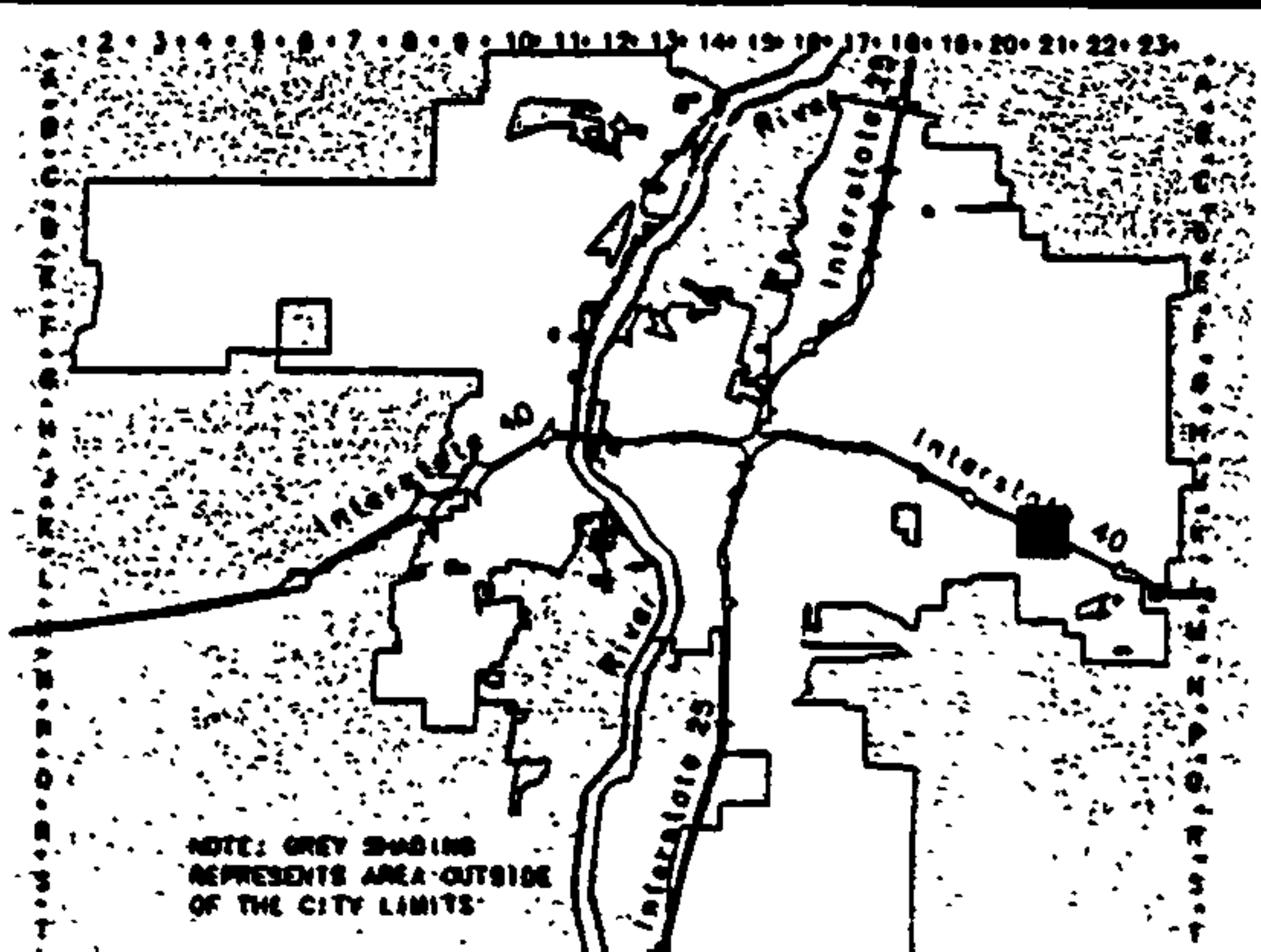
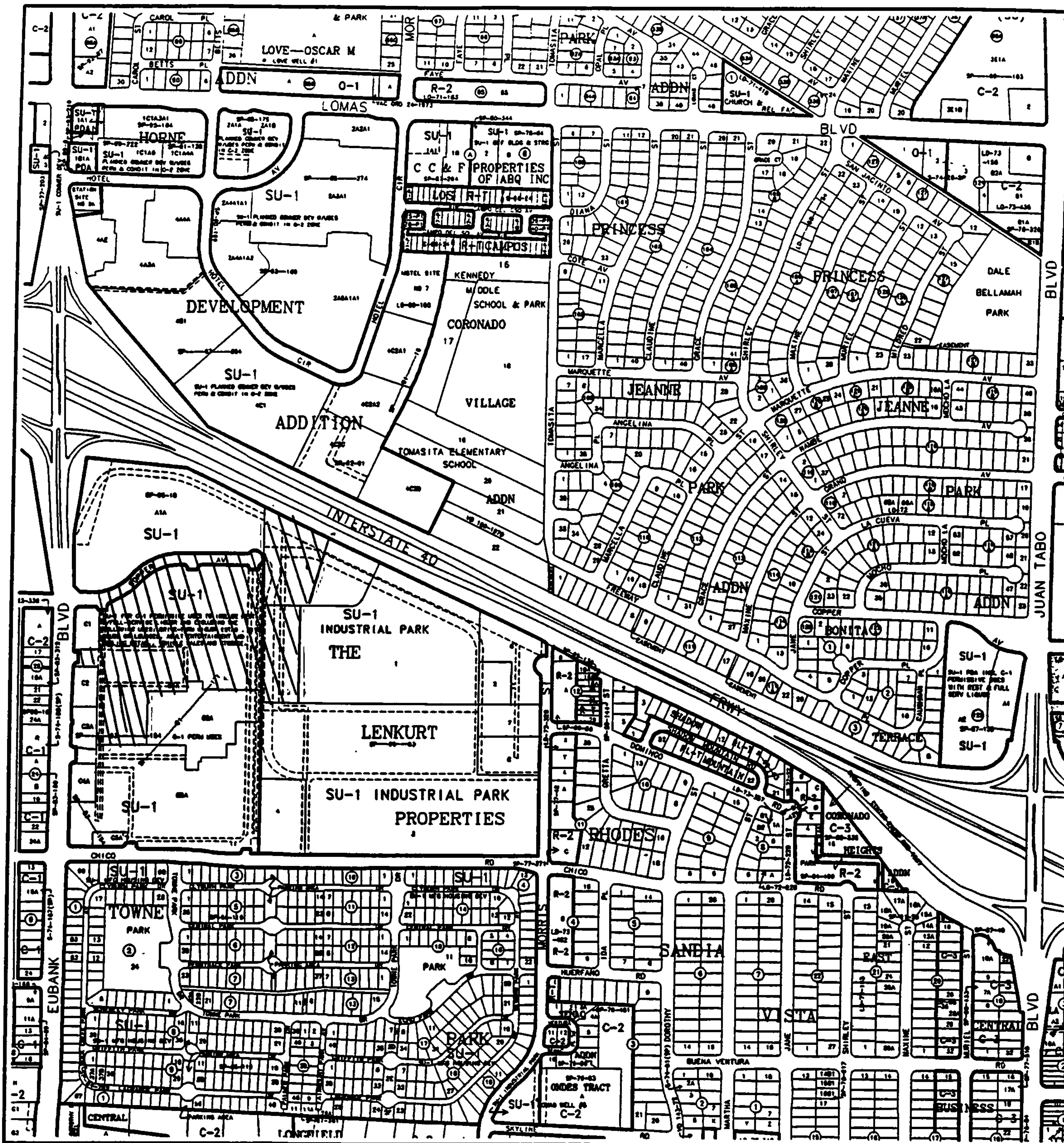
May 2001

A handwritten signature in black ink, appearing to read "R. Bohannon".

Ronald R. Bohannon P.E. No. 7868





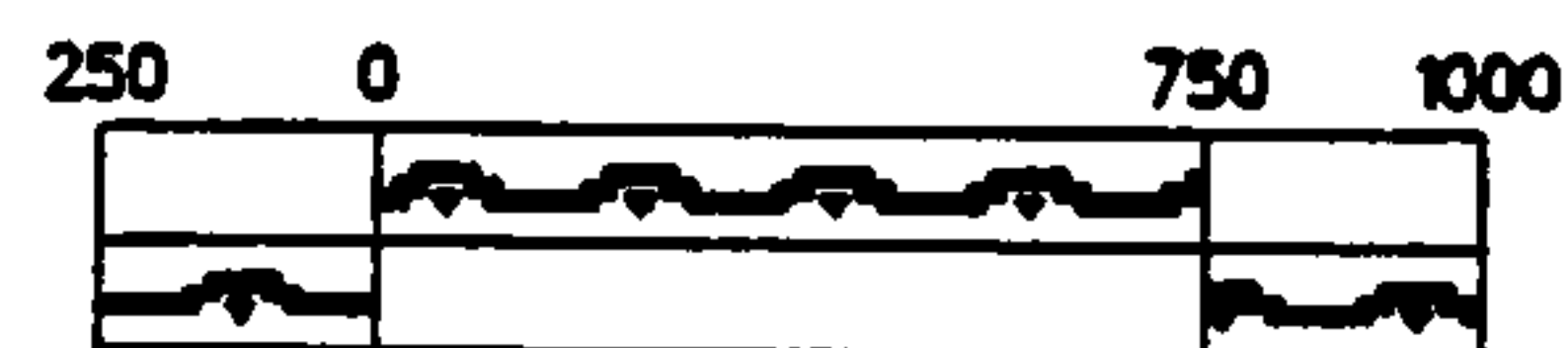


CITY OF  
Albuquerque

Albuquerque Geographic Information System  
PLANNING DEPARTMENT

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GRAPHIC SCALE IN FEET



Zone Atlas Page

**K-21-Z**

Map Amended through July 28, 2000



## **Location**

The site is located at the southeast corner of Eubank Boulevard and Copper Road and is shown on the attached Zone Atlas Map D-21. The site consists of the existing Wal-mart Store and portions of the adjacent Lots 1 and 5 of the Lenkurt site. The proposed improvements include an expansion of the Wal-Mart on three sides of the building and converting Lots 1 and 5 to a parking lot for the expansion. The purpose of this report is to provide the drainage analysis and management plan for the new improvements.

## **Existing Drainage Conditions**

The majority of the site is currently developed. There is an existing Wal-Mart Store and the parking lot for the store. The drainage for the shopping center was analyzed by Bohannon-Huston, Inc. in the "Master Drainage Report for Towne Park Plaza" in 1991 (K21-D9A). We are not changing the existing drainage patterns of the shopping center.

Lots 1 and 5 of the Lenkurt site were subdivided recently. The new portions adjacent to Wal-Mart on the east will be acquired by Wal-Mart as part of the expansion and incorporated into one tract. These portions of Lots 1 and 5 of the Lenkurt site are undeveloped at this time. A drainage report by Isaacson & Arfman for the Lenkurt site was approved in 1999 titled "Facility Re-Utilization: 501 Morris" (K21/D9). An earth ditch located on the west of Lots 1 and 5 collects the drainage from the Lenkurt site and conveys it to a drainage structure on the north side of the site. This existing structure captures the drainage from the Lenkurt site and passes the flows under I-40 to the I-40 Channel.

Copper Avenue and Eubank Boulevard prevent offsite flows from entering the site from the north or west. The existing parking lot to the south of the site drains west and does not impact the Wal-Mart site. The existing storm drain in the Lenkurt site collects any offsite basins before they enter the site from the east. Although no offsite flows sheet flow onto the site, the existing storm drain will connect to the expansion's new storm drain system.

## **FIRM Map and Soil Conditions**

The site is located on FIRM Maps 35001Co358 D and 359 D. The maps show that the site does not lie within any 100-year flood plains.

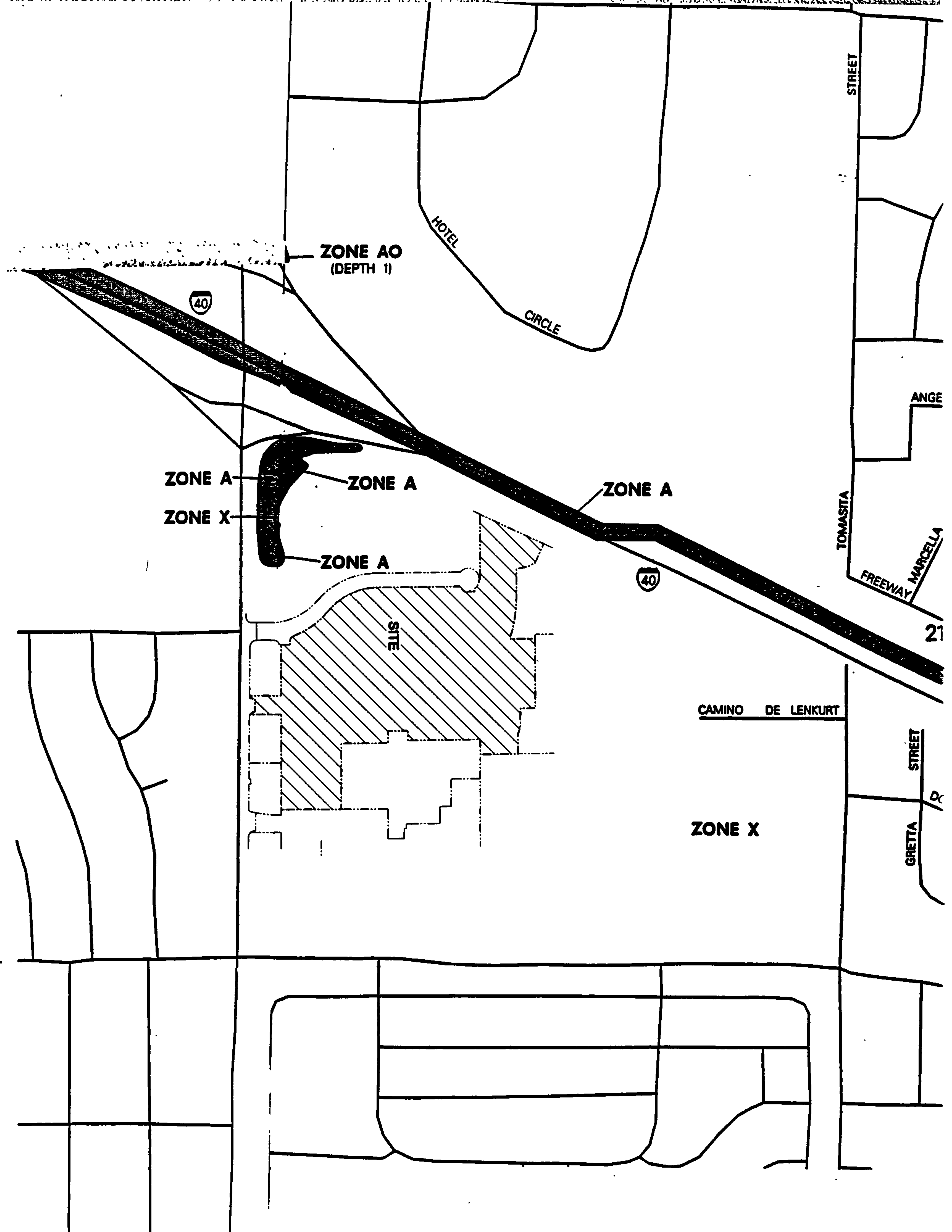
The site contains one soil from the Soil Conservation Service Soil Survey of Bernalillo County. The soil is a Tijeras gravelly fine sandy loam. This soil has moderate runoff and a moderate hazard of water erosion.

## **On-Site Drainage Management Plan**

The onsite drainage management plan is to continue the existing drainage patterns on the Wal-Mart site and construct the new storm drains identified in the Issacson and Arfman report for the flows from Lots 1 and 5 of the Lenkurt site. The proposed basins are shown on the "Developed Basin Layout" exhibit. The basins outlined in yellow drain to the west of the site to existing drop inlets. The basins in green drain to the back of the Wal-mart Store to an existing storm drain line that will be relocated. The basins in blue were formerly part of the Lenkurt site and will drain to a new storm drain system and a new drainage structure will convey the flows to the I-40 Channel.

## ***Wal-Mart Site***

Most of the new improvements are on the east and north sides of the store. There is a utility corridor behind the store with an existing 30" storm sewer line, several dry utilities, and a public water line. All of these utilities will be relocated behind the new expansion in the new service roads. The existing 30" storm sewer line will be increased to 42" and 48" to safely carry the 100-year flows. This line currently carries 16.44 cfs that comes from the Sam's site (K21/D9F) and, 17.60 cfs from the shops located between Sam's and Wal-mart, for a total of 34.04 cfs in the existing storm sewer. As mentioned, a new 42" storm drain will be relocated to a new utility corridor behind the new expansion. The new 42" storm drain line will also carry the flows from the Wal-mart site. There is a small increase in flow due to some of the land used for the expansion that was previously landscaped and is now impervious. There is also an increase in the basin areas because of the expansion. The existing 30" pipe does not have capacity for the additional flows at the existing



ZONE AO  
(DEPTH 1)

ZONE A

ZONE A

ZONE A

ZONE X

ZONE A

SITE

CAMINO DE LENKURT

ZONE X

TOMASITA

FREEMWAY MARCELLA

STREET

GRETTA

ANGE

21



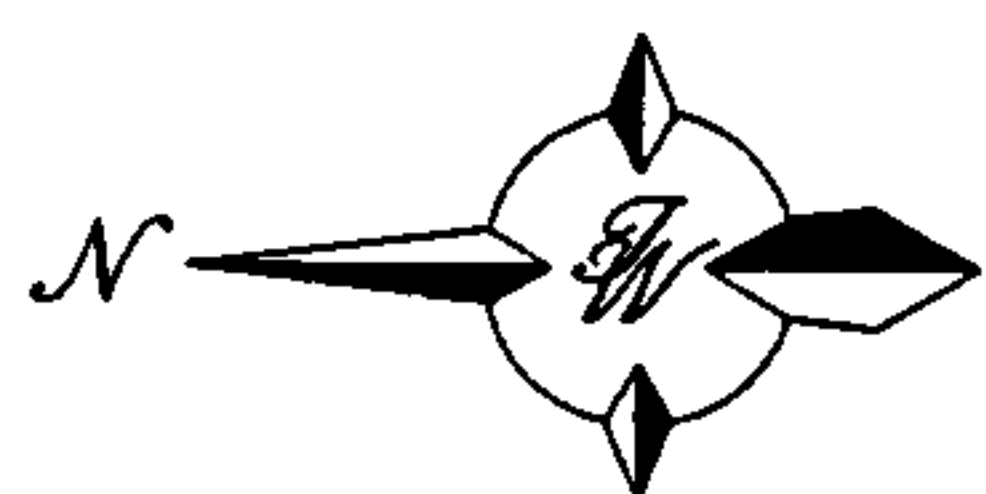
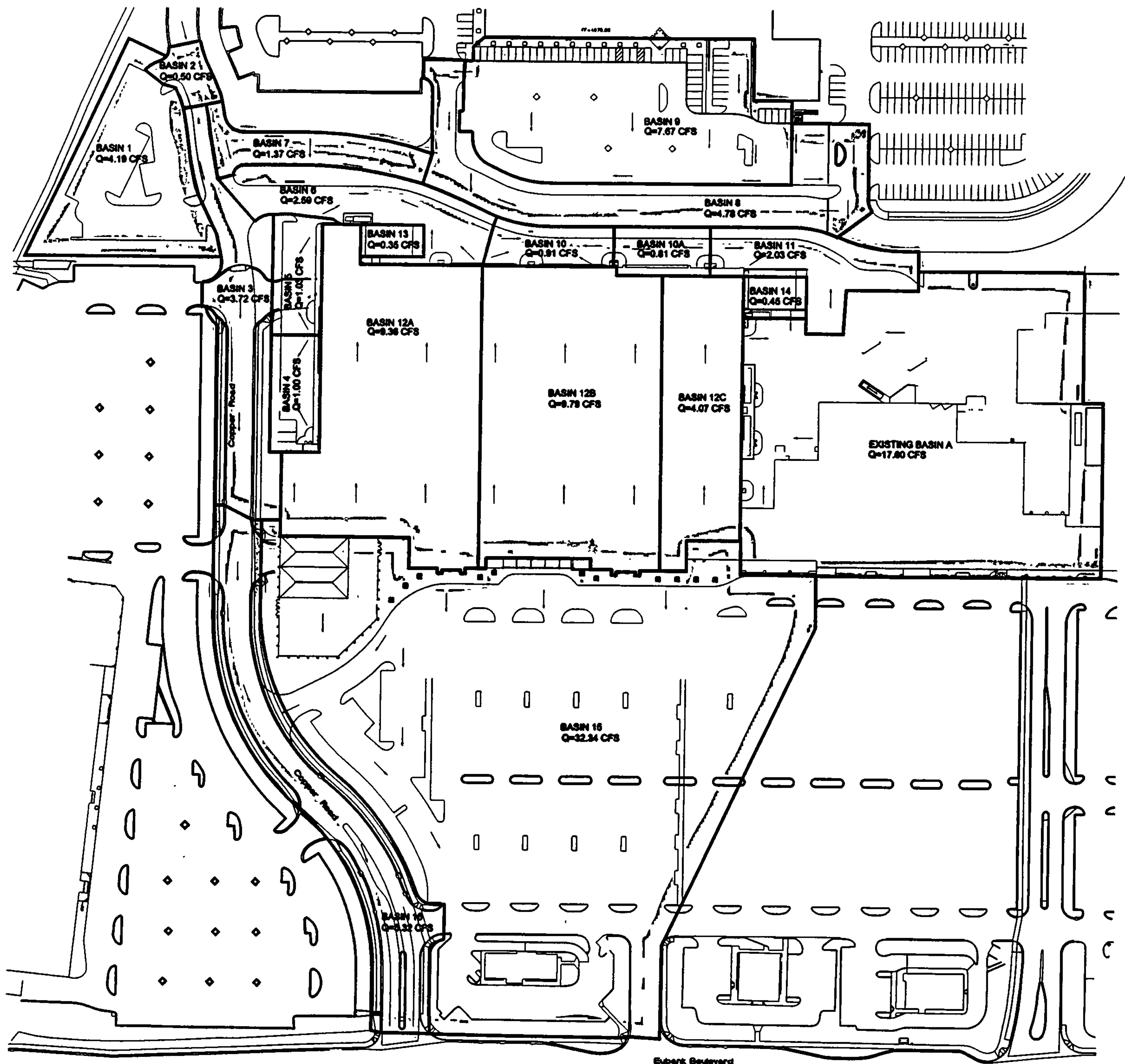
grades or the new flatter slope. This storm drain will be increased to a 42" and 48" storm drain to handle the flows. We will reconnect to the existing 30" line at Ex. MH-1. The existing 30" line does not have capacity for the additional flows. Consequently, a 36" pipe from MH-7 to the existing drainage structure will allow overflows from the existing 30" pipe to drain to the I-40 Channel. The maximum overflow during a 100-year storm will be 37.85 cfs. This will also help alleviate the capacity problems of the Eubank storm drain system.

### *The Lenkurt Site*

Basins 1, 2, 7, 8, and 9 were formerly part of the Lenkurt site. These basins will drain to a new storm drain system that will collect all of the drainage from the Lenkurt site. New drainage easements were granted on the plat that will ensure that the remainder of the Lenkurt site drains to the new system going to the I-40 Channel. At MH-7, the storm drain for the Lenkurt site enters the Wal-Mart expansion site. There will be 120.25 cfs in the storm drain at that point. Basins 1, 2, 7, 8, and 9 will drain to this storm drain line. The roof drains from a building located east of the site will connect to the new storm drain. A new 42" pipe being built with the Dominion Plaza project will connect near the north side of the project. This pipe will carry 64.93 cfs, for a total of 221.04 cfs in the storm drain system at this point. A new drainage structure and connection to the I-40 Channel will be constructed with this project. A new 48" pipe will connect the new drainage structure and the existing drainage structure. The existing drainage structure has capacity for 140 cfs and the new crossing will have capacity for 155 cfs. This is a total of 295 cfs, and there is a total of 263.08 entering the two structures. The new 48" connecting pipe will have capacity for 88.79 cfs. This means the existing structure will convey 130.83 cfs, while the new structure will convey 132.25 cfs to the I-40 Channel. The existing drainage channels, that currently convey flow to the existing structure, will be replaced with storm drain pipe by this expansion project.

Copper Avenue would act as an emergency overflow during an event greater than a 100-year storm. The basins would all eventually flow to Copper Avenue and then to Eubank before flooding any of the on-site buildings.





# DEVELOPED BASIN LAYOUT

## **Summary**

The existing 30" storm drain behind the existing Wal-Mart store will be replaced with a new 42" and 48" pipe. This will allow the system to convey the additional flows at the flatter slope. The 48" pipe will reconnect to the existing 30" pipe at Copper Avenue. A new overflow pipe will connect from Copper Avenue to the existing drainage structure for the Lenkurt site. This will help relieve the impact of the site on the Eubank storm drain, which is currently under capacity. A new storm drain system will be built for the Lenkurt site. This will accept flows from the expansion site and also convey the flows from the remainder of the Lenkurt site. A total of 263.08 cfs, including the overflow from the existing 30" system, will be conveyed to the I-40 Channel. The existing drainage structure under I-40 and the new structure will have capacity for 295 cfs which is greater than the required capacity of 263.08 cfs.

**EXHIBIT "A"**  
**TO SUBDIVISION IMPROVEMENT AGREEMENT**  
**DEVELOPMENT REVIEW BOARD**  
**REQUIRED INFRASTRUCTURE LISTING**  
**(LEGAL DESCRIPTION OF SUBDIVISION)**  
**Wal-Mart Expansion Store #835-02**  
(NAME and UNIT OF SUBDIVISION)

Application No: \_\_\_\_\_  
DRC Project Number: \_\_\_\_\_  
Prelim. Plat Approved: \_\_\_\_\_  
Prelim. Plat Expires: \_\_\_\_\_  
Site Plan Approved: \_\_\_\_\_  
  
Date Submitted: \_\_\_\_\_

Following is a summary of PUBLIC/PRIVATE Infrastructure required to be constructed or financially guaranteed for the above development. This listing is not necessarily a complete listing. During the SIA process and/or in the review of the construction drawings, if the DRC Chair determines that appurtenant items and/or unforeseen items have not been included in the infrastructure listing, the DRC Chair may include those items in the listing and related financial guarantee. Likewise, if the DRC Chair determines that appurtenant or non essential items can be deleted from the listing, those items may be deleted as well as the related portion of the financial guarantees. All such revisions require approval by the DRC Chair, the User Department and the agent/owner. If such approvals are obtained, these revisions to the listing will be incorporated administratively. In addition, any unforeseen items which arise during construction which are necessary to complete the project and which normally are the Subdivider's responsibility will be required as a condition of project acceptance and close out by the City.

Size	Type Improvement	Location	From	To
6' F-E	135' Center Left Turn Lane (2 Lanes Total)	Copper Avenue	Eubank Boulevard	135' West of Eubank
	Design Intersection	Central/Eubank Intersection		
8"	SAS Gravity Line	Public Easement (behind store)	South Property Line	North Property Line
8"	SAS Gravity Line	Public Easement (in front of store)	Ex. Public Easement on South Side of Site	Garden Center
10"	Water PVC Line	Public Easement (behind store)	South Property Line	Copper Avenue
	Water Infrastructure to include Valves, Fittings, Valve Boxes, and Fire Hydrants as required.			
	Sanitary Sewer to include Manholes and Service Connections as required.			
	Certified Grading & Drainage with Private Walls & Private Drainage (Non-work order item) Required for SIA/Financial Release			

Agent/Owner Name: \_\_\_\_\_

Agent/Owner Name: Ronald R. Bohannon, P.E.

Firm: Tierra West LLC

**DEVELOPMENT REVIEW BOARD MEMBER APPROVALS**

Construction Completion Deadline Date: \_\_\_\_\_

Transportation Dev. \_\_\_\_\_ Date \_\_\_\_\_ Utility Dev. \_\_\_\_\_ Date \_\_\_\_\_ Parks & GS. \_\_\_\_\_ Date \_\_\_\_\_

City Engineer \_\_\_\_\_ Date \_\_\_\_\_ AMAFCA \_\_\_\_\_ Date \_\_\_\_\_ DRB Chairman \_\_\_\_\_ Date \_\_\_\_\_

**DRC REVISIONS**

Revisions	Date	DRC Chair	User Department	Agent/Owner



# **Runoff Calculations**

## Weighted E Method

### Developed On-Site Basins

Basin	Area (sf)	Area (sq. mi.)	Area (acres)	Treatment A		Treatment B		Treatment C		Treatment D		100-Year			10-Year		
				%	(acres)	%	(acres)	%	(acres)	%	(acres)	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs
1	38,180	0.00137	0.88	0%	0	10%	0.09	0%	0.00	90%	0.79	2.216	0.162	4.19	1.386	0.101	2.78
2	4,593	0.00016	0.11	0%	0	10%	0.01	0%	0.00	90%	0.09	2.216	0.019	0.50	1.386	0.012	0.33
3	33,880	0.00122	0.78	0%	0	10%	0.08	0%	0.00	90%	0.70	2.216	0.144	3.72	1.386	0.090	2.47
4	9,141	0.00033	0.21	0%	0	10%	0.02	0%	0.00	90%	0.19	2.216	0.039	1.00	1.386	0.024	0.67
5	9,397	0.00034	0.22	0%	0	10%	0.02	0%	0.00	90%	0.19	2.216	0.040	1.03	1.386	0.025	0.68
6	23,654	0.00085	0.54	0%	0	10%	0.05	0%	0.00	90%	0.49	2.216	0.100	2.59	1.386	0.063	1.72
7	12,524	0.00045	0.29	0%	0	10%	0.03	0%	0.00	90%	0.26	2.216	0.053	1.37	1.386	0.033	0.91
8	43,610	0.00156	1.00	0%	0	10%	0.10	0%	0.00	90%	0.90	2.216	0.185	4.78	1.386	0.116	3.17
9	69,963	0.00251	1.61	0%	0	10%	0.16	0%	0.00	90%	1.45	2.216	0.297	7.67	1.386	0.186	5.09
10	8,274	0.00030	0.19	0%	0	10%	0.02	0%	0.00	90%	0.17	2.216	0.035	0.91	1.386	0.022	0.60
10A	7,418	0.00027	0.17	0%	0	10%	0.02	0%	0.00	90%	0.15	2.216	0.031	0.81	1.386	0.020	0.54
11	18,492	0.00066	0.42	0%	0	10%	0.04	0%	0.00	90%	0.38	2.216	0.078	2.03	1.386	0.049	1.35
12-A	81,212	0.00291	1.86	0%	0	0%	0.00	0%	0.00	100%	1.86	2.360	0.367	9.36	1.500	0.233	6.32
12-B	84,939	0.00305	1.95	0%	0	0%	0.00	0%	0.00	100%	1.95	2.360	0.383	9.79	1.500	0.244	6.61
12-C	35,358	0.00127	0.81	0%	0	0%	0.00	0%	0.00	100%	0.81	2.360	0.160	4.07	1.500	0.101	2.75
13	3,196	0.00011	0.07	0%	0	10%	0.01	0%	0.00	90%	0.07	2.216	0.014	0.35	1.386	0.008	0.23
14	4,134	0.00015	0.09	0%	0	10%	0.01	0%	0.00	90%	0.09	2.216	0.018	0.45	1.386	0.011	0.30
15	294,850	0.01058	6.77	0%	0	10%	0.68	0%	0.00	90%	6.09	2.216	1.250	32.34	1.386	0.782	21.46
16	48,472	0.00174	1.11	0%	0	10%	0.11	0%	0.00	90%	1.00	2.216	0.205	5.32	1.386	0.129	3.53
A	160,486	0.00576	3.68	0%	0	10%	0.37	0%	0.00	90%	3.32	2.216	0.680	17.60	1.386	0.426	11.68
Total	487,965	0.01750	11.20		0.00		0.66		0.00		10.54		2.124	54.64		1.338	36.53

### Equations:

Weighted E =  $E_a \cdot A_a + E_b \cdot A_b + E_c \cdot A_c + E_d \cdot A_d$  / (Total Area)

Volume = Weighted D \* Total Area

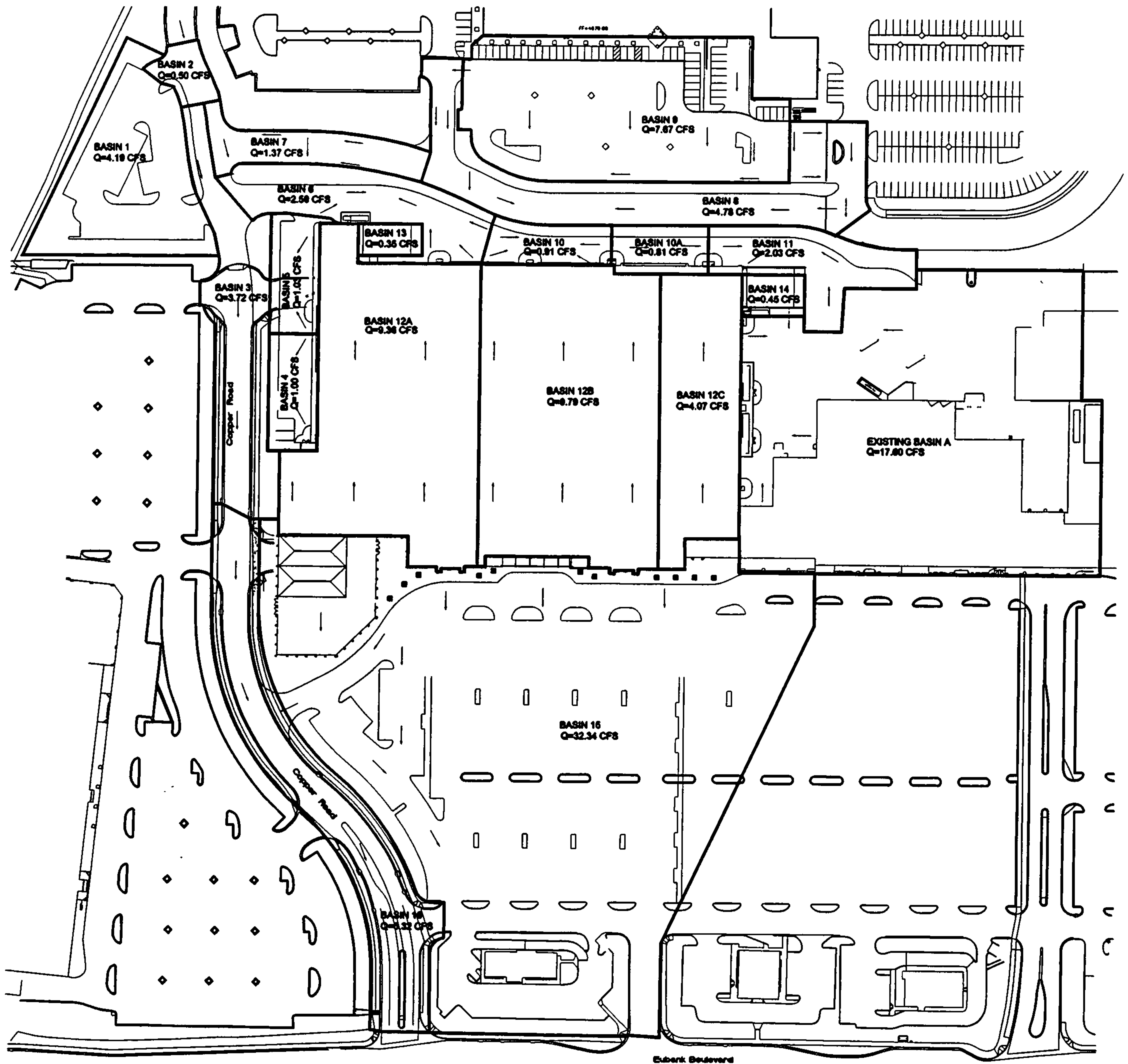
Flow =  $Q_a \cdot A_a + Q_b \cdot A_b + Q_c \cdot A_c + Q_d \cdot A_d$

Excess Precipitation, E (Inches)		
Zone 3	100-Year	10 - Year
E <sub>a</sub>	0.66	0.19
E <sub>b</sub>	0.92	0.36
E <sub>c</sub>	1.29	0.62
E <sub>d</sub>	2.36	1.50

Peak Discharge (cfs/acre)		
Zone 1	100-Year	10 - Year
Q <sub>a</sub>	1.87	0.58
Q <sub>b</sub>	2.60	1.19
Q <sub>c</sub>	3.45	2.00
Q <sub>d</sub>	5.02	3.39

### Developed Off-Site Basins

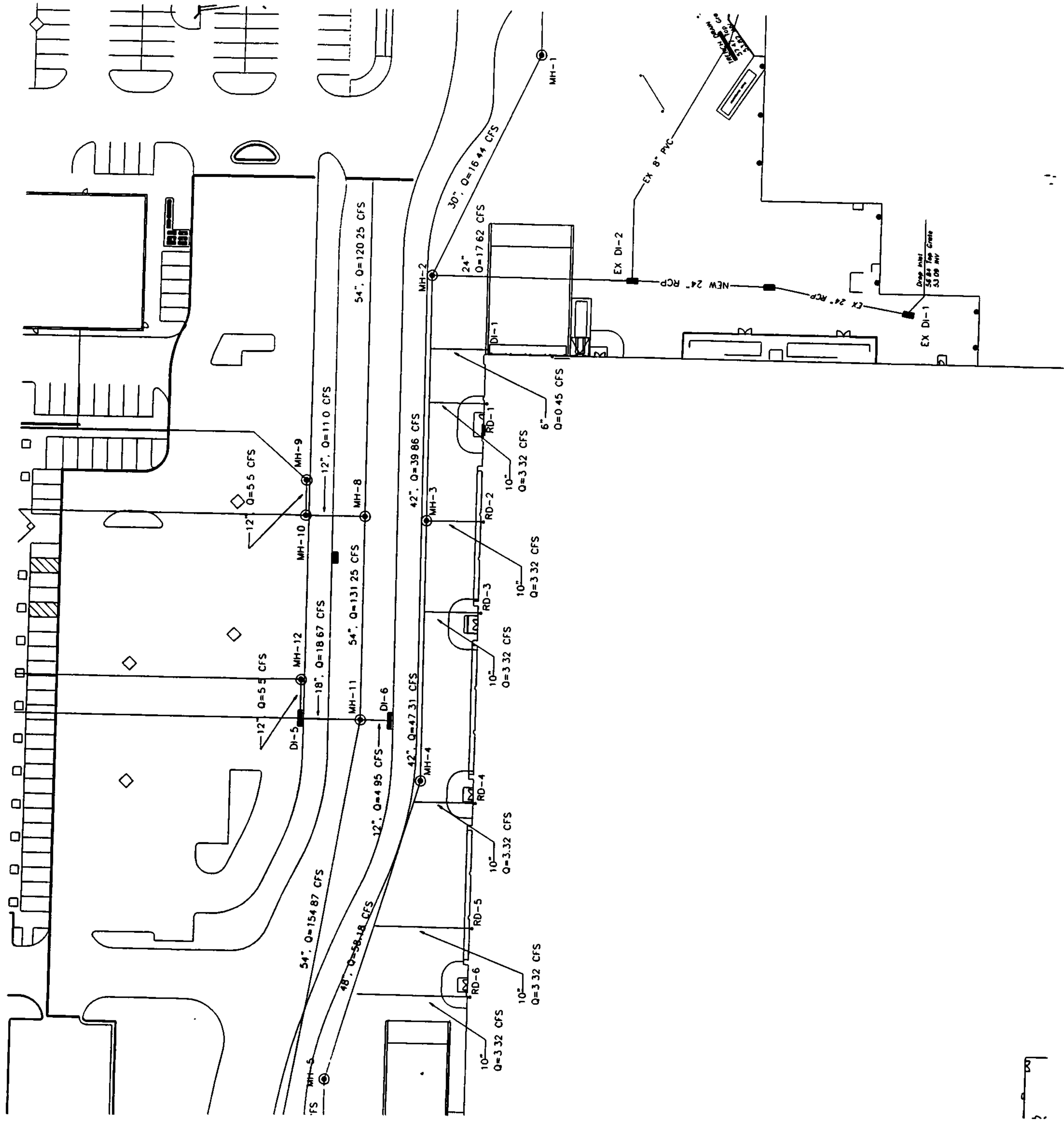
Basin	Area (sf)	Area (sq. mi.)	Area (acres)	Treatment A		Treatment B		Treatment C		Treatment D		100-Year			10-Year		
				%	(acres)	%	(acres)	%	(acres)	%	(acres)	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs
1	41,493	0.00149	0.95	0%	0	10%	0.10	0%	0.00	90%	0.86	2.216	0.176	4.55	1.386	0.110	3.02



# DEVELOPED BASIN LAYOUT

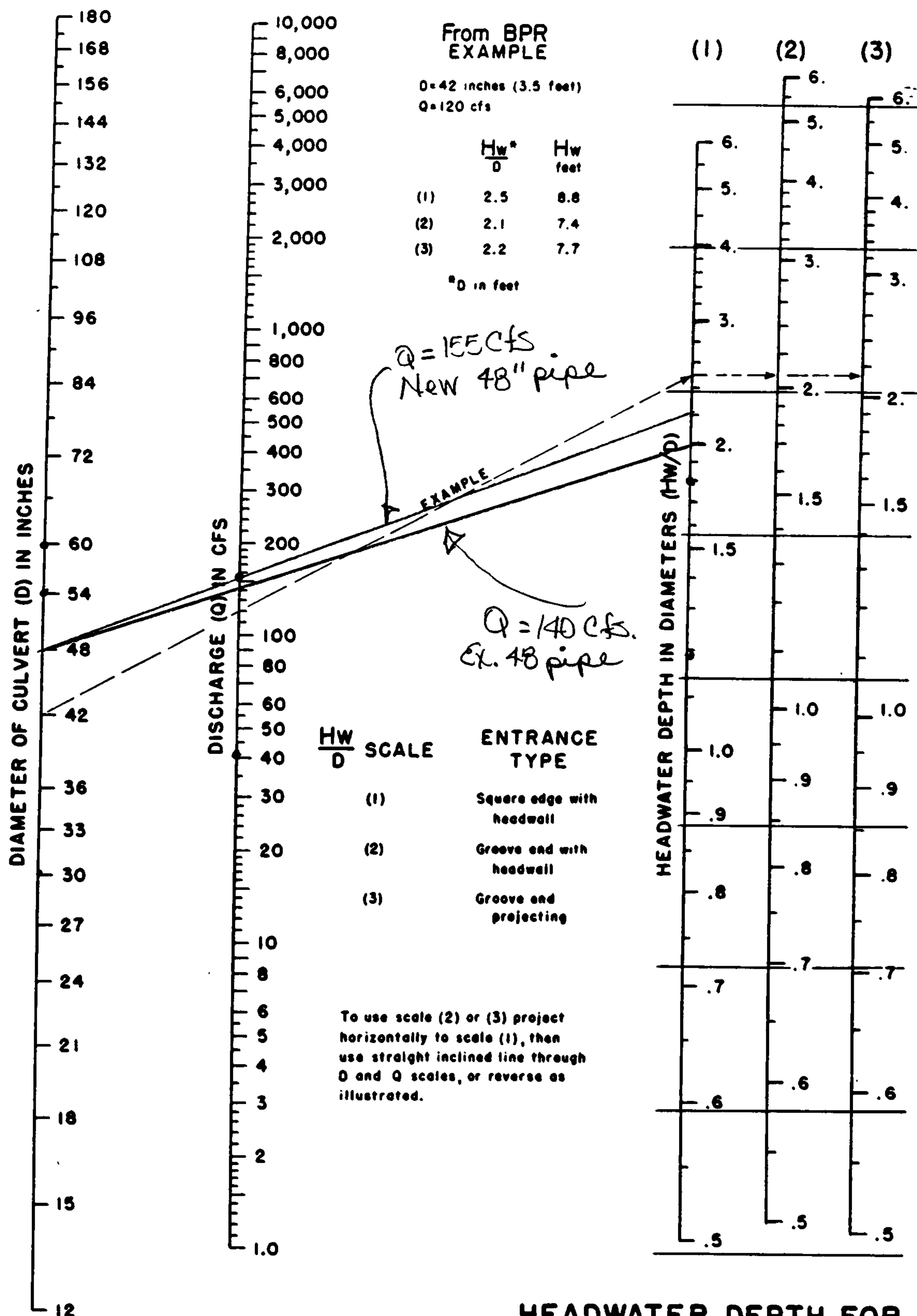


## **Storm Sewer**



# RAIN LAYOUT

Half Capacity  
Under I-40  
= 295 cfs.



$$\frac{HW}{D} = 2(4) = 8', \text{ Existing}$$

$$= 2(4) = 8.8', \text{ New}$$

FIGURE 10-10.



## Pipe Capacity

Pipe		D	Slope	Area	R	Q Provided	Q Required	Velocity
From	To	(in)	(%)	(ft^2)		(cfs)	(cfs)	(ft/s)
<b>Existing Wal-Mart System</b>								
MH-1	MH-2	30	0.32	4.91	0.625	23.27	16.44	3.35
Ex. DI-1	Ex. DI-2	24	0.44	3.14	0.500	15.05	17.62	5.61
Ex. DI-2	MH-2	24	0.44	3.14	0.500	15.05	17.62	5.61
DI-1	New 30" RCP	8	0.6	0.35	0.167	0.94	0.45	1.29
MH-2	MH-3	42	0.32	9.62	0.875	57.07	39.86	4.14
MH-3	MH-4	42	0.32	9.62	0.875	57.07	47.31	4.92
DI-2	New 30" RCP	6	2.48	0.20	0.125	0.89	0.35	1.78
MH-4	MH-5	48	0.32	12.57	1.000	81.48	58.18	4.63
MH-5	MH-6	48	0.32	12.57	1.000	81.48	61.12	4.86
MH-6	MH-7	48	0.32	12.57	1.000	81.48	61.12	4.86
MH-7	Str. 1	36	0.6	7.07	0.750	51.80	37.85	5.35
MH-7	Ex. MH-1	30	0.32	4.91	0.625	23.27	23.27	4.74
DI-3	Ex. MH-1	12	0.26	0.79	0.250	1.82	1.03	1.31
DI-4	Ex. 30" RCP	12	2.91	0.79	0.250	6.09	1.00	1.27
Ex. MH-1	Basin 4	30	0.6	4.91	0.625	31.86	24.30	4.95
Basin 4	Ex MH-2	30	0.65	4.91	0.625	33.16	25.30	5.15
Ex. MH-2	Ex. MH-3	30	1.94	4.91	0.625	57.28	29.02	5.91
Ex. MH-3	Ex. MH-4	36	2.38	7.07	0.750	103.17	31.68	4.48
Ex. MH-4	Eubank	48	1	12.57	1.000	144.03	62.68	4.99
<b>New BLI System</b>								
FUT MH-1	MH-8	54	0.58	15.90	1.125	150.17	120.25	7.56
MH-9	MH-10	12	5.02	0.79	0.250	8.00	5.50	7.00
MH-10	MH-8	12	17.1	0.79	0.250	14.77	11.00	14.01
MH-8	MH-11	54	0.58	15.90	1.125	150.17	131.25	8.25
MH-12	DI-5	12	8.42	0.79	0.250	10.37	5.50	7.00
DI-5	MH-11	18	17.46	1.77	0.375	44.01	18.67	10.57
DI-6	MH-11	12	4.9	0.79	0.250	7.91	4.95	6.30
MH-11	MH-13	54	0.58	15.90	1.125	150.17	154.87	9.74
MH-13	MH-14	60	0.58	19.63	1.250	198.88	154.87	7.89
DI-7	MH-14	12	28.35	0.79	0.250	19.02	1.24	1.58
MH-14	Box	60	0.58	19.63	1.250	198.88	156.11	7.95
MH-15	MH-16	42	1.2	9.62	0.875	110.51	64.93	6.75
MH-16	I-40 Channel	60	0.58	19.63	1.250	198.88	155.00	7.89
MH-16	Str. 1	48	0.38	12.57	1.000	88.79	88.79	7.07

\* Note 1: From Re-Utilization of 501 Morris by Isaacson and Arfman, basins 1300, 1200, 310, 1000, 900, 800 and a portion of 300 drain to this pipe (28.6+6.4+33.7+4.55+20.3+4.4+22.3=120.25 cfs).

\*\* Note 2: Basins 300, 400, 200, 100, 30, 40, 50 = 53.40 cfs. New basins 1, 2, 6, 7, 8, 10, 11, 13 = 17.57 cfs. Old basins subtract new basins (53.40-17.57 = 35.83 cfs). Add 35.83 cfs to basins 210, 600, 700 (18.3+4.9+5.9=29.10) = 64.93 cfs.

### Manning's Equation:

$$Q = 1.49/n * A * R^{(2/3)} * S^{(1/2)}$$

A = Area  
R = D/4  
S = Slope  
n = 0.013

## Curb Opening for Basin 1

Weir Equation:

$$Q = CLH^{3/2}$$

$$Q = 4.19 \text{ cfs}$$

$$C = 2.95$$

$$H = 0.67 \text{ ft}$$

L = Length of weir

$$L = \frac{4.19}{2.95(0.67)^{3/2}}$$

$$L = 2.59 \text{ ft}$$

Use 3.00 feet for length of weir

## ***DROP INLET CALCULATIONS***

Basin	Drop Inlet	Type of Inlet	Area (SF)	Q (CFS)	H (FT)	H Allow (FT)
4	DI-4	Manhole Grate	0.81	1.00	0.07	0.67
5	DI-3	Manhole Grate	0.81	1.03	0.07	0.67
6	MH-5	Manhole Grate	0.81	2.95	0.57	0.67
7	DI-7	Manhole Grate	0.81	1.37	0.12	0.67
8	DI-6	Single 'D'	2.30	4.78	0.19	0.67
9	DI-5	Single 'D'	2.30	7.67	0.48	0.67
10	MH-4	Manhole Grate	0.81	0.91	0.05	0.67
10A	MH-3	Manhole Grate	0.81	0.81	0.04	0.67
11	MH-2	Manhole Grate	0.81	2.03	0.27	0.67

### **ORIFICE EQUATION**

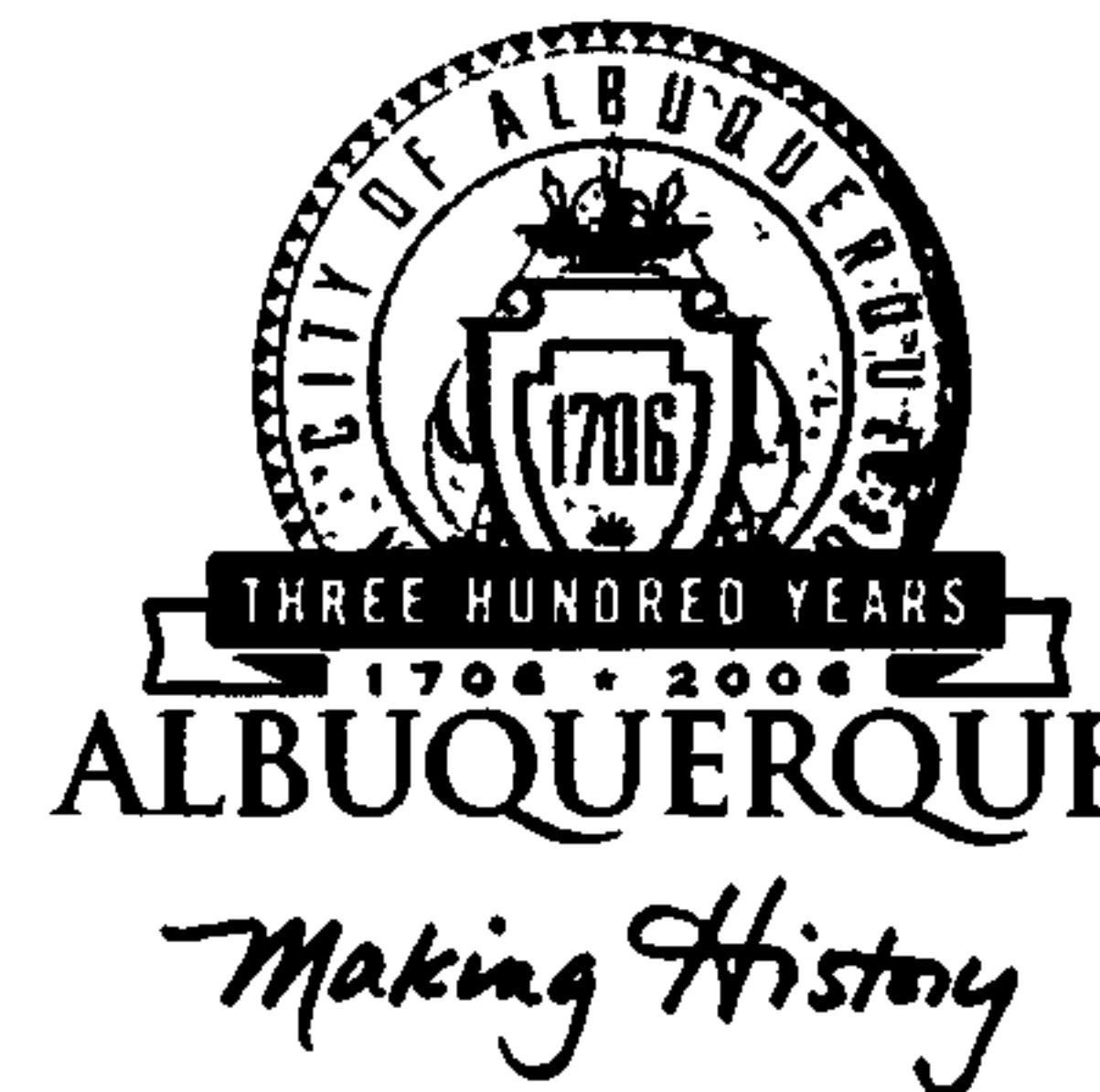
$$Q = CA \sqrt{2gH}$$

$$C = 0.6$$

$$g = 32.2$$



# CITY OF ALBUQUERQUE



December 7, 2005

Mr. Ronald R. Bohannon, PE  
**TIERRA WEST, LLC**  
8509 Jefferson St. NE  
Albuquerque, NM 87113

**Re: WAL-MART #835 STOCKROOM ADDITION**  
**400 Eubank Blvd. NE**  
**Approval of Permanent Certificate of Occupancy (C.O.)**  
**Engineer's Stamp dated 04/20/2005 (K-21/D9A1)**  
**Certification dated 12/06/2005**

Dear Ron:

P.O. Box 1293

Based upon the information provided in your submittal received 12/06/2005, the above referenced certification is approved for release of Permanent Certificate of Occupancy by Hydrology.

Albuquerque

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

New Mexico 87103

Sincerely,

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

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

C: CO Clerk  
File

# DRAINAGE AND TRANSPORTATION SHEET

(REV. 1/28/2003rd)

PROJECT TITLE: Wal-Mart Store # 835 - Stockroom Expansion  
DRB #: 1000508 EPC #: \_\_\_\_\_

ZONE MAP/DRG. FILE #: K21/D9A1  
WORK ORDER #: \_\_\_\_\_

LEGAL DESCRIPTION Tract B1A, Towne Park Plaza  
CITY ADDRESS: 400 Eubank Boulevard NE

ENGINEERING FIRM: Tierra West, LLC  
ADDRESS: 8509 Jefferson NE  
CITY, STATE: Albuquerque, NM

CONTACT: Ronald R. Bohannon, PE  
PHONE: (505) 858-3100  
ZIP CODE: 87113

OWNER: Wal-Mart Real Estate Business  
ADDRESS: 2001 SE 10th Street  
CITY, STATE: Bentonville, AR

CONTACT: Frances Coberly  
PHONE: \_\_\_\_\_  
ZIP CODE: 72712

ARCHITECT: Raymond Harris & Associates  
ADDRESS: 211 N. Record St., Suite 222  
CITY, STATE: Dallas, TX

CONTACT: Brandon Criner  
PHONE: (214) 749-0626  
ZIP CODE: 75202

SURVEYOR: Precision Surveys  
ADDRESS: 8414-D Jefferson NE  
CITY, STATE: Albuquerque, NM

CONTACT: Larry Medrano  
PHONE: 505-856-5700  
ZIP CODE: 87113

CONTRACTOR: Walkcon Ltd.  
ADDRESS: 4113 Clay Avenue  
CITY, STATE: Haltom City, TX

CONTACT: Royce Walker  
PHONE: 817-773-4492  
ZIP CODE: 76117

## CHECK TYPE OF SUBMITTAL:

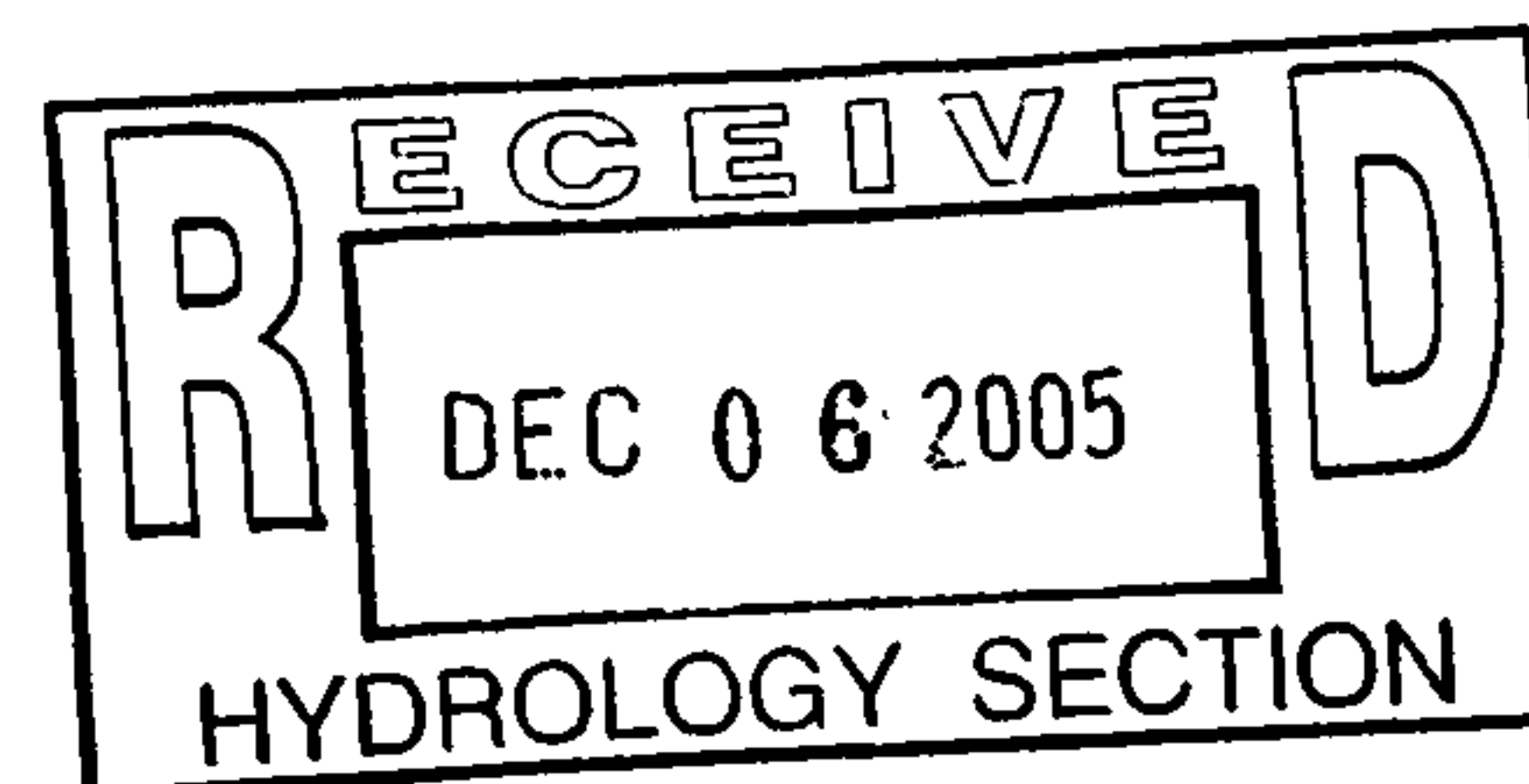
- ☐ DRAINAGE REPORT
- ☐ DRAINAGE PLAN 1st SUBMITTAL, **REQUIRES TCL or equal**
- ☐ DRAINAGE PLAN RESUBMITTAL
- ☐ CONCEPTUAL GRADING & DRAINAGE PLAN
- ☐ GRADING PLAN
- ☐ EROSION CONTROL PLAN
- ☒ ENGINEER'S CERTIFICATION (HYDROLOGY)
- ☐ CLOMR/LOMR
- ☐ TRAFFIC CIRCULATION LAYOUT (TCL)
- ☐ ENGINEERS CERTIFICATION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

## CHECK TYPE OF APPROVAL SOUGHT:

- ☐ SIA / FINANACIAL 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
- ☐ SO-19

## WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ☐ YES
- ☐ NO
- ☐ COPY PROVIDED

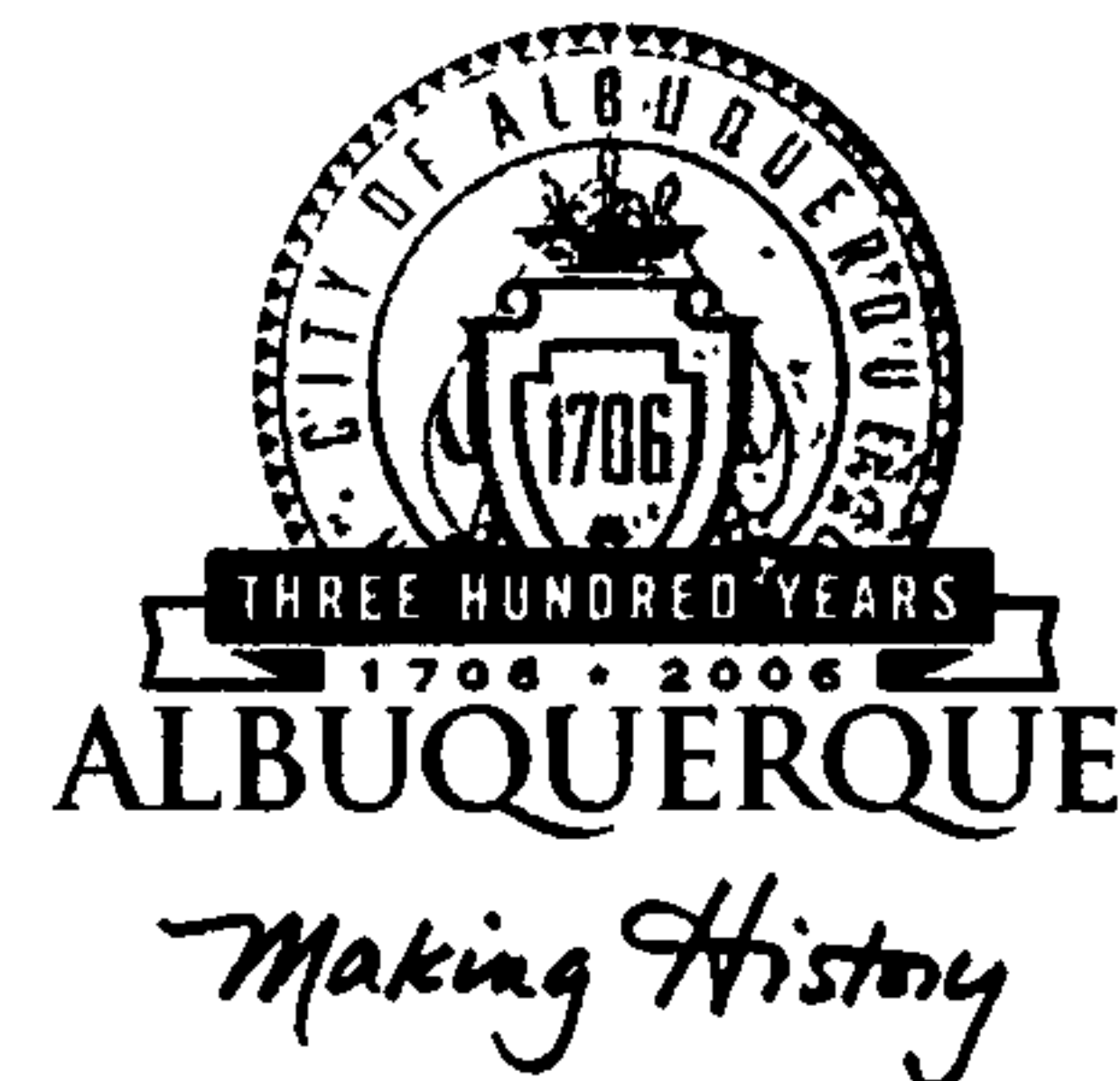


DATE SUBMITTED: 12/6/2005 BY: Ron Wright ( cell # 259-5635)

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 Plans** 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 14, 2005

Ronald Bohannon, P.E.  
Tierra West, LLC  
8509 Jefferson NE  
Albuquerque, NM 87113

**Re: Walmart Store #835 Stockroom Expansion, 400 Eubank Blvd NE,  
Certificate of Occupancy  
Engineer's Stamp dated 4-20-05 (K21-D9A1)  
Certification dated 11-04-05**

Dear Mr. Bohannon,

P.O. Box 1293  
Albuquerque  
New Mexico 87103

Based upon the information provided in your submittal received 11-08-05, the above referenced certification cannot be approved until the following comment is addressed:

- A separate permit (SO#19) is required for construction within City Right of Way. This project requires an SO#19 permit for the connection to the existing storm drain. We have no record of an SO#19 inspection being done at this site.

If you have any questions, you can contact me at 924-3981.

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

Sincerely,

Kristal D. Metro, P.E.  
Senior Engineer, Planning Dept.  
Development and Building Services

C: File

# DRAINAGE AND TRANSPORTATION SHEET

(REV. 1/28/2003rd)

# K-21/D9A1

PROJECT TITLE: Wal-Mart Store # 835 - Stockroom Expansion  
DRB: 1000508 EPC #: \_\_\_\_\_

ZONE MAP/DRG. FILE #: K21/D9  
WORK ORDER #: \_\_\_\_\_

LEGAL DESCRIPTION Tract B1A, Towne Park Plaza  
CITY ADDRESS: 400 Eubank Boulevard NE

ENGINEERING FIRM: Tierra West, LLC  
ADDRESS: 8509 Jefferson NE  
CITY, STATE: Albuquerque, NM

CONTACT: Ronald R. Bohannon, PE  
PHONE: (505) 858-3100  
ZIP CODE: 87113

OWNER: Wal-Mart Real Estate Business  
ADDRESS: 2001 SE 10th Street  
CITY, STATE: Bentonville, AR

CONTACT: Frances Coberly  
PHONE: \_\_\_\_\_  
ZIP CODE: 72712

ARCHITECT: Raymond Harris & Associates  
ADDRESS: 211 N. Record St., Suite 222  
CITY, STATE: Dallas, TX

CONTACT: Brandon Criner  
PHONE: (214) 749-0626  
ZIP CODE: 75202

SURVEYOR: Precision Surveys  
ADDRESS: 8414-D Jefferson NE  
CITY, STATE: Albuquerque, NM

CONTACT: Larry Medrano  
PHONE: 505-856-5700  
ZIP CODE: 87113

CONTRACTOR: Walkcon Ltd.  
ADDRESS: 4113 Clay Avenue  
CITY, STATE: Haltom City, TX

CONTACT: Royce Walker  
PHONE: 817-773-4492  
ZIP CODE: 76117

## CHECK TYPE OF SUBMITTAL:

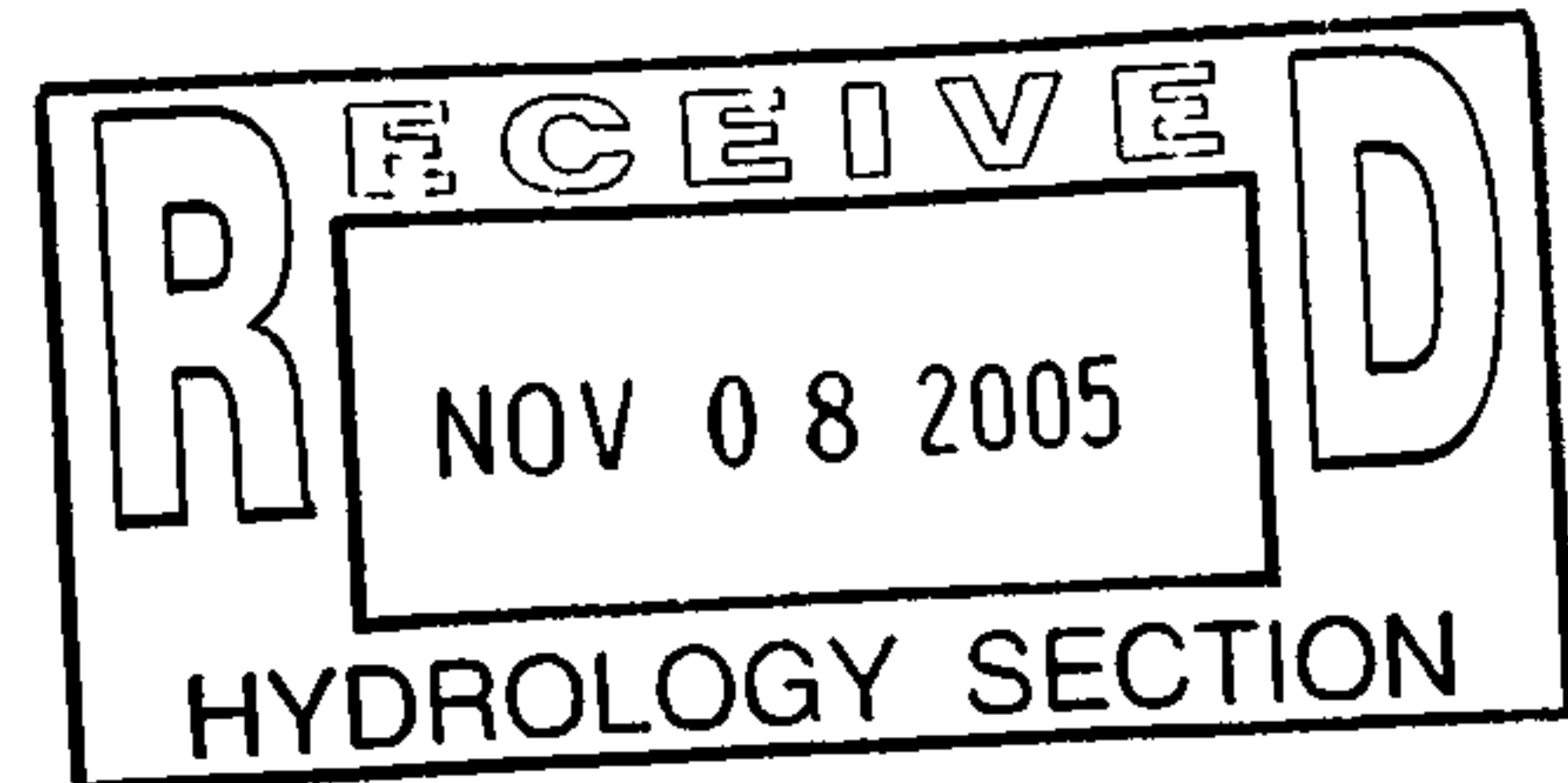
- ☐ DRAINAGE REPORT
- ☐ DRAINAGE PLAN 1st SUBMITTAL, **REQUIRES TCL or equal**
- ☐ DRAINAGE PLAN RESUBMITTAL
- ☐ CONCEPTUAL GRADING & DRAINAGE PLAN
- ☐ GRADING PLAN
- ☐ EROSION CONTROL PLAN
- ☒ ENGINEER'S CERTIFICATION (HYDROLOGY)
- ☐ CLOMR/LOMR
- ☐ TRAFFIC CIRCULATION LAYOUT (TCL)
- ☐ ENGINEERS CERTIFICATION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

## CHECK TYPE OF APPROVAL SOUGHT:

- ☐ SIA / FINANACIAL 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
- ☐ SO-19

## WAS A PRE-DESIGN CONFERENCE ATTENDED?

- ☐ YES
- ☐ NO
- ☐ COPY PROVIDED



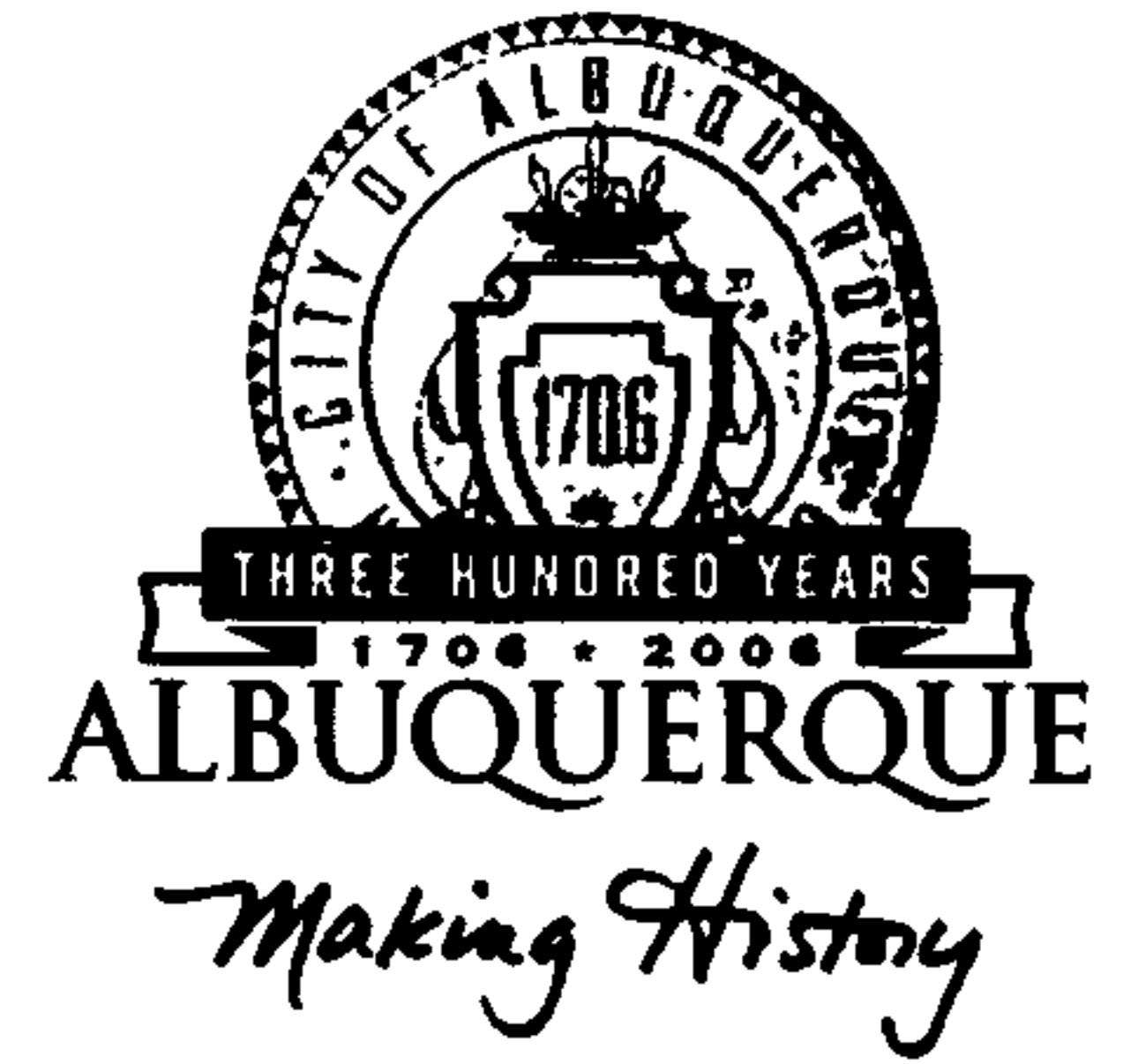
DATE SUBMITTED: 11/4/2005 BY: Ronald R. Bohannon, PE

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 Plans** 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 16, 2005

Vince Carrica, P.E.  
Tierra West, LLC  
8509 Jefferson St. NE  
Albuquerque, NM 87113

AA

**Re: Wal-Mart Store #835 – Stockroom Expansion  
400 Eubank Boulevard NE  
Permanent Certificate of Occupancy - Transportation  
Engineer's Stamp dated 3-31-05 (K21-D9A1)  
Certification dated 11-8-05**

Dear Mr. Carrica,

Based upon the information provided in your submittal received 11-8-05, the above referenced certification is approved for Permanent Certificate of Occupancy by Transportation.

P.O. Box 1293

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

Albuquerque

Sincerely,

New Mexico 87103

Phillip J. Lovato, E.I.  
Engineering Associate  
Development and Building Services  
Planning Department

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

cc: Phyllis Villanueva  
File

**DRAINAGE AND TRANSPORTATION SHEET**

(REV. 1/28/2003rd)

**K-21/D9A1**PROJECT TITLE: Wal-Mart Store # 835 - Stockroom Expansion  
DRB # 1000508 EPC #: \_\_\_\_\_ZONE MAP/DRG. FILE #: K21/D9  
WORK ORDER #: \_\_\_\_\_LEGAL DESCRIPTION Tract B1A, Towne Park Plaza  
CITY ADDRESS: 400 Eubank Boulevard NEENGINEERING FIRM: Tierra West, LLC  
ADDRESS: 8509 Jefferson NE  
CITY, STATE: Albuquerque, NMCONTACT: Ronald R. Bohannon, PE  
PHONE: (505) 858-3100  
ZIP CODE: 87113OWNER: Wal-Mart Real Estate Business  
ADDRESS: 2001 SE 10th Street  
CITY, STATE: Bentonville, ARCONTACT: Frances Coberly  
PHONE: \_\_\_\_\_  
ZIP CODE: 72712ARCHITECT: Raymond Harris & Associates  
ADDRESS: 211 N. Record St., Suite 222  
CITY, STATE: Dallas, TXCONTACT: Brandon Criner  
PHONE: (214) 749-0626  
ZIP CODE: 75202SURVEYOR: Precision Surveys  
ADDRESS: 8414-D Jefferson NE  
CITY, STATE: Albuquerque, NMCONTACT: Larry Medrano  
PHONE: 505-856-5700  
ZIP CODE: 87113CONTRACTOR: Walkcon Ltd.  
ADDRESS: 4113 Clay Avenue  
CITY, STATE: Haltom City, TXCONTACT: Royce Walker  
PHONE: 817-773-4492  
ZIP CODE: 76117**CHECK TYPE OF SUBMITTAL:**

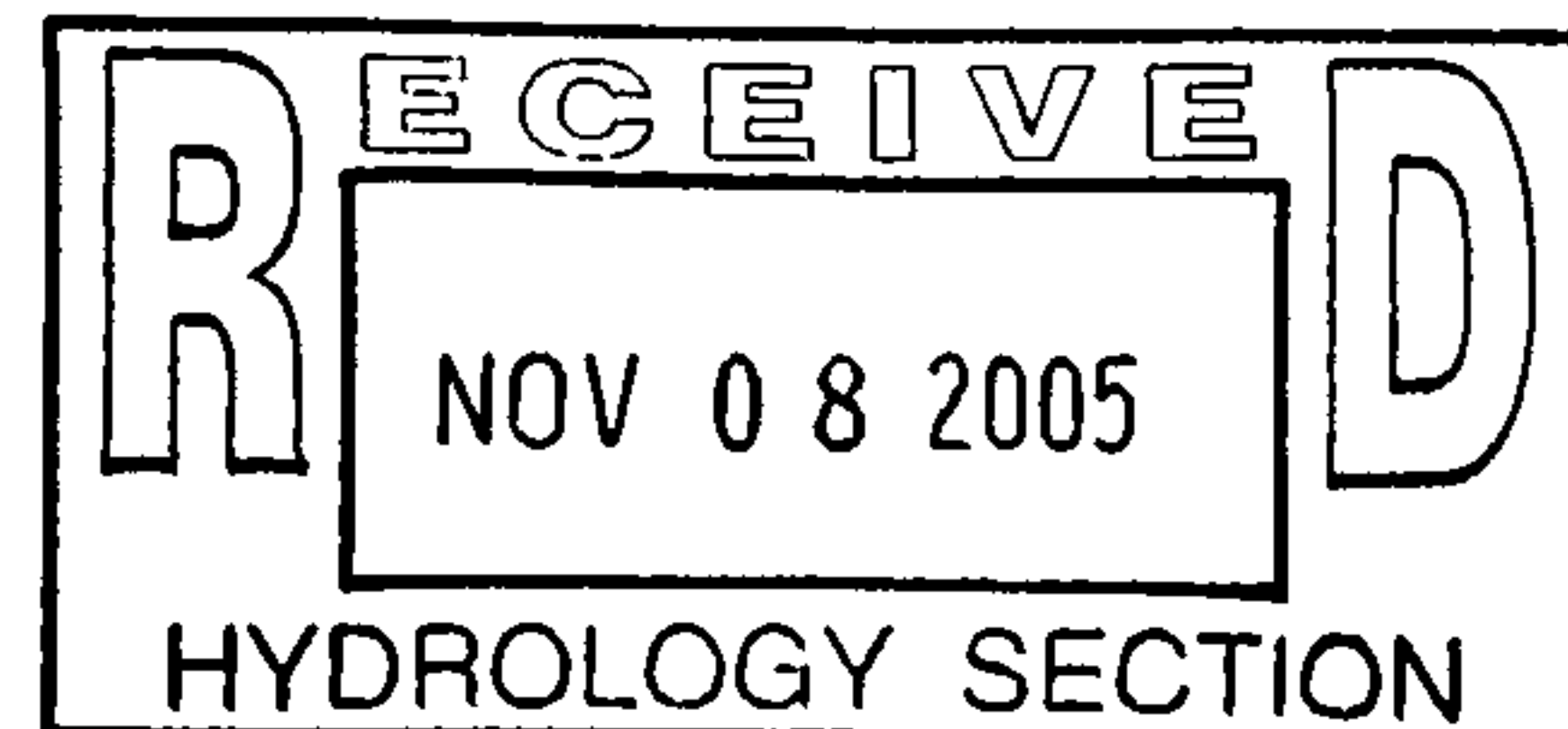
- ☐ DRAINAGE REPORT  
☐ DRAINAGE PLAN 1st SUBMITTAL, **REQUIRES TCL or equal**  
☐ DRAINAGE PLAN RESUBMITTAL  
☐ CONCEPTUAL GRADING & DRAINAGE PLAN  
☐ GRADING PLAN  
☐ EROSION CONTROL PLAN  
☐ ENGINEER'S CERTIFICATION (HYDROLOGY)  
☐ CLOMR/LOMR  
☐ TRAFFIC CIRCULATION LAYOUT (TCL)  
☐ ENGINEERS CERTIFICATION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

**CHECK TYPE OF APPROVAL SOUGHT:**

- ☐ SIA / FINANACIAL 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  
☐ SO-19

**WAS A PRE-DESIGN CONFERENCE ATTENDED:**

- ☐ YES  
☐ NO  
☐ COPY PROVIDED

DATE SUBMITTED: 11/8/2005BY: Ron Wright

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:

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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.

# TIERRA WEST, LLC

8509 Jefferson NE  
Albuquerque, NM 87113

(505) 858-3100  
fax (505) 858-1118

twllc@tierrawestllc.com  
1-800-245-3102

November 8, 2005

Mr. Nilo Salgado-Fernandez, PE  
Development and Building Services  
Public Works Department  
PO Box 1293  
Albuquerque, NM 87103

**RE: DRB Approved Site Plan Certification for Permanent Certificate of Occupancy  
Wal-Mart # 835 Stockroom Addition  
400 Eubank Boulevard, NE**

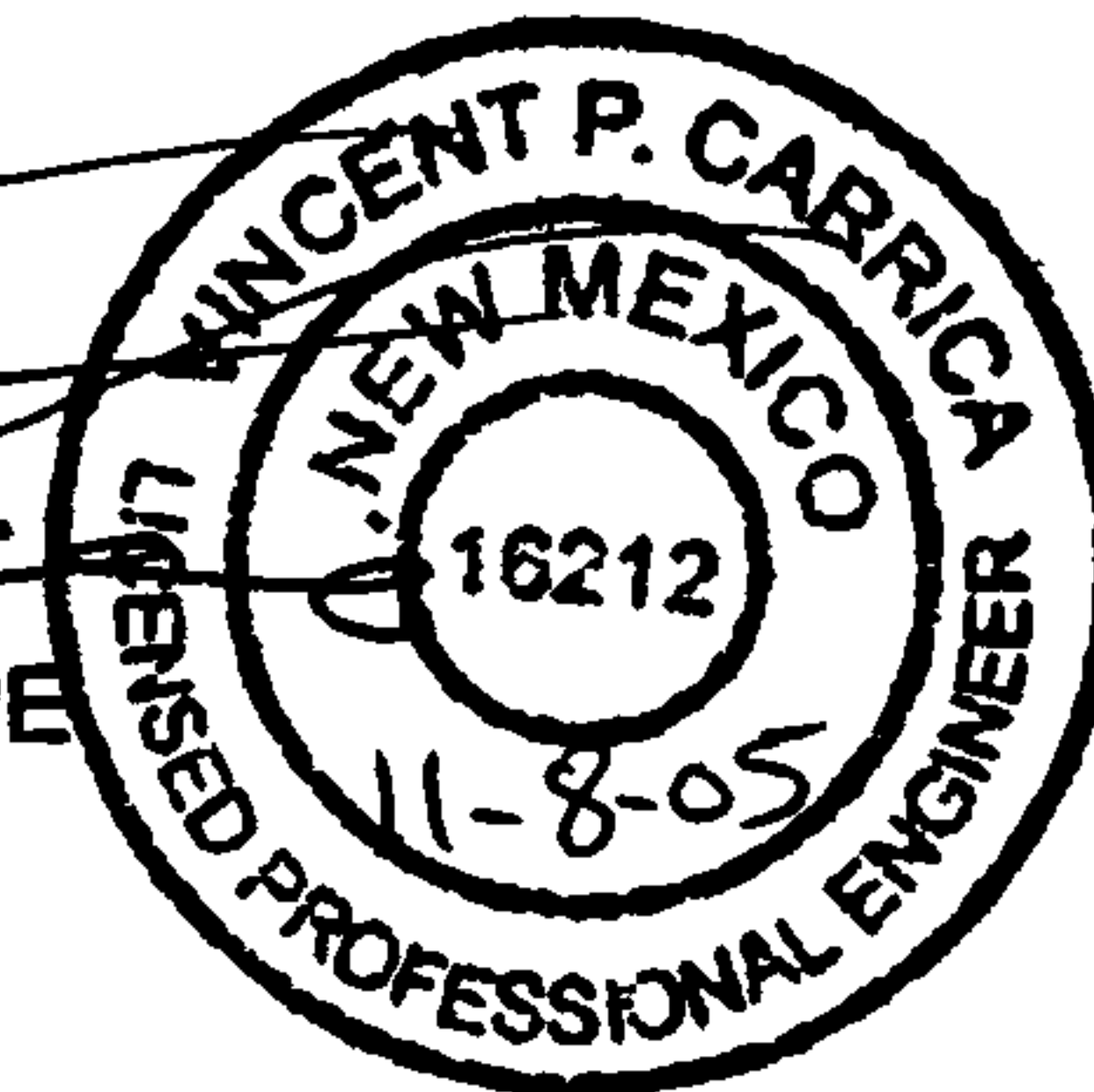
Dear Mr. Salgado-Fernandez:

Tierra West, LLC, requests a Permanent Certification of the DRB approved Site Plan for Building Permit for the Wal-Mart #835 Stockroom Addition. The site is located at 400 Eubank Boulevard, NE. Enclosed, please find the information sheet, the As-Built Amended Site Plan for Building Permit and the Overall Site Plan. All site paving and striping is complete. Field verification of the site was completed by our office and is in substantial compliance with the approved plan. Therefore, we are requesting Certification of the Site Plan for Building Permit for a Permanent Certificate of Occupancy.

If you have any questions or need additional information regarding this matter, please do not hesitate to contact me.

Sincerely,

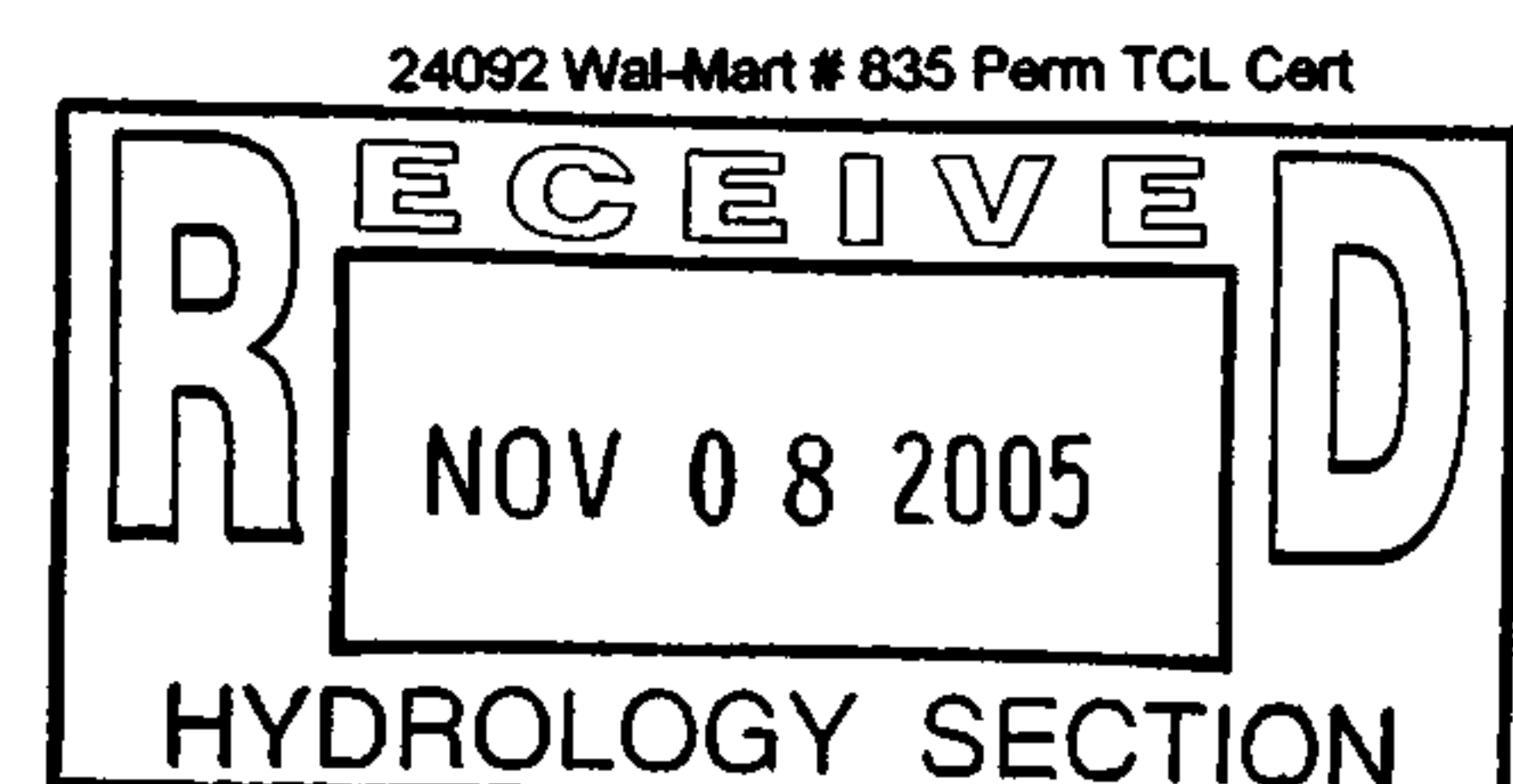
Vincent Carrica, PE



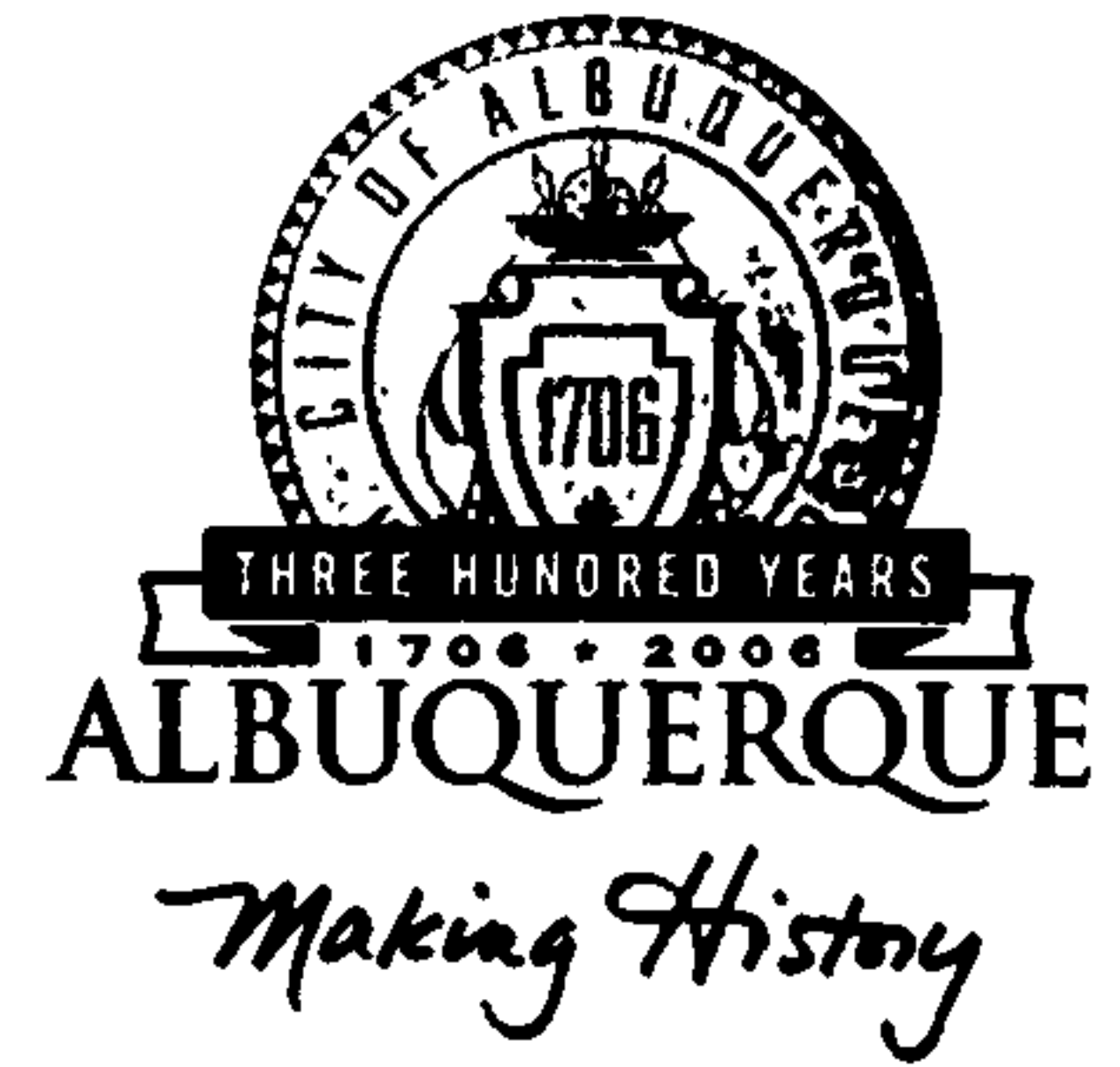
Enclosure/s

cc: Mark Tucker

JN: 24092  
RRB/bf/kdk



# CITY OF ALBUQUERQUE



April 26, 2005

Ronald R. Bohannon, P.E.  
Tierra West, LLC  
8509 Jefferson NE  
Albuquerque, NM 87113

**Re: Wal-Mart Store #835-02 Stockroom Expansion, 400 Eubank Blvd. NE  
Grading & Drainage Plan - Engineer's Stamp dated 4-20-05 (K21-D9A1)**

Dear Mr. Bohannon,

P.O. Box 1293

Based upon the information provided in your resubmittal dated 4-21-05, the above referenced plan is approved for Building Permit. Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology.

Albuquerque

Additionally, prior to release of the Certificate of Occupancy an Engineer's Certification of the grading plan per the DPM checklist will be required.

New Mexico 87103

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

Sincerely,

Phillip J. Lovato, E.I.  
Engineering Associate, Planning Dept.  
Development and Building Services

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

C: file



**DRAINAGE AND TRANSPORTATION SHEET**  
(REV. 1/28/2003rd)

K-21/D9A1

PROJECT TITLE: Wal-Mart Store # 835-02 Stockroom Expansion ZONE MAP/DRG. FILE # ~~A13-A14 & B13-B14~~  
DRB #: \_\_\_\_\_ EPC #: \_\_\_\_\_ WORK ORDER #: \_\_\_\_\_

LEGAL DESCRIPTION: \_\_\_\_\_  
CITY ADDRESS: 400 Eubank Boulevard NE

ENGINEERING FIRM: Tierra West, LLC CONTACT: Ron Bohannon  
ADDRESS: 8509 Jefferson NE PHONE: (505) 858-3100  
CITY, STATE: Albuquerque, NM ZIP CODE: 87113

OWNER: Wal-Mart Real Estate Business Trust CONTACT: Frances Coberly  
ADDRESS: 20011 SE 10th Street PHONE: \_\_\_\_\_  
CITY, STATE: Bentonville, Arizona ZIP CODE: 72716-0550

ARCHITECT: Raymond Harris & Associates Architects CONTACT: Seungjoo Hong  
ADDRESS: 211 N. Record St. Suite 222 PHONE: (214) 749-0626  
CITY, STATE: Dallas, TX ZIP CODE: 75202

SURVEYOR: Precision Surveys CONTACT: Larry Medrano  
ADDRESS: 8414-D Jefferson Street NE PHONE: (505) 856-5700  
CITY, STATE: ABQ, NM ZIP CODE: 87113

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

**CHECK TYPE OF SUBMITTAL:**

- ☐ DRAINAGE REPORT  
☐ DRAINAGE PLAN 1st 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

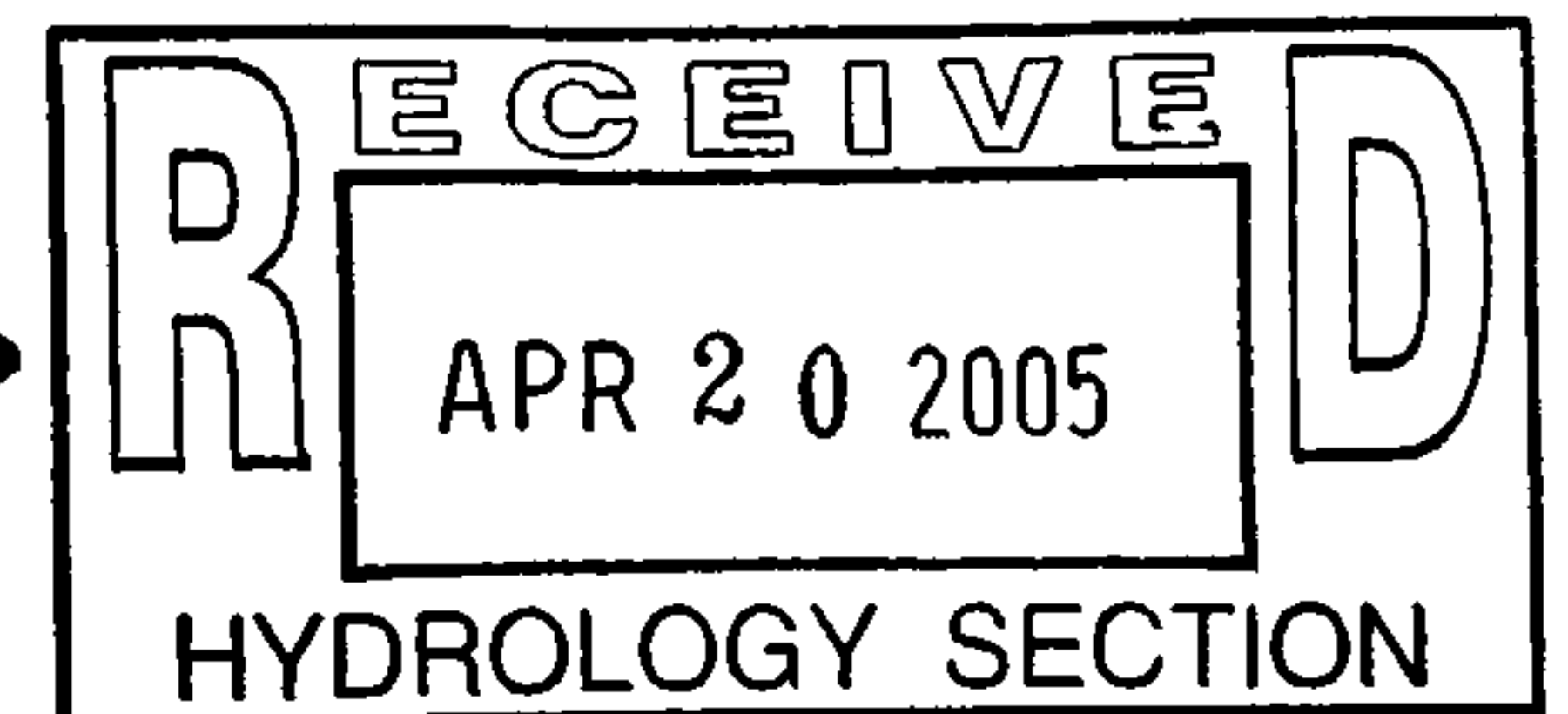
**CHECK TYPE OF APPROVAL SOUGHT:**

- ☐ SIA / FINANACIAL 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  
☐ SO-19

**WAS A PRE-DESIGN CONFERENCE ATTENDED:**

- ☐ YES  
☒ NO  
☐ COPY PROVIDED

<Resub>



DATE SUBMITTED: 4/21/2005 BY: Ronald R. Bohannon, P.E.

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 Plans:** Required for approval of Site Development Plans greater than five (5) acres and Sector Plans.
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3. **Drainage Report:** Required for subdivisions containing more than ten (10) lots or constituting five (5) acres or more.



**Tierra West, LLC.**

(505) 858-3100

8509 Jefferson NE, Albuquerque, NM 87113

TO Mr. Bradley Bingham, PE  
Public Works Department  
City of Albuquerque  
PO Box 1293  
Albuquerque, NM 87103

WE ARE SENDING YOU ☐ Attached ☐ Under Separate cover via \_\_\_\_\_ the following items:  
☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications  
☐ Copy of letter ☐ Change order ☐

**LETTER OF TRANSMITTAL**

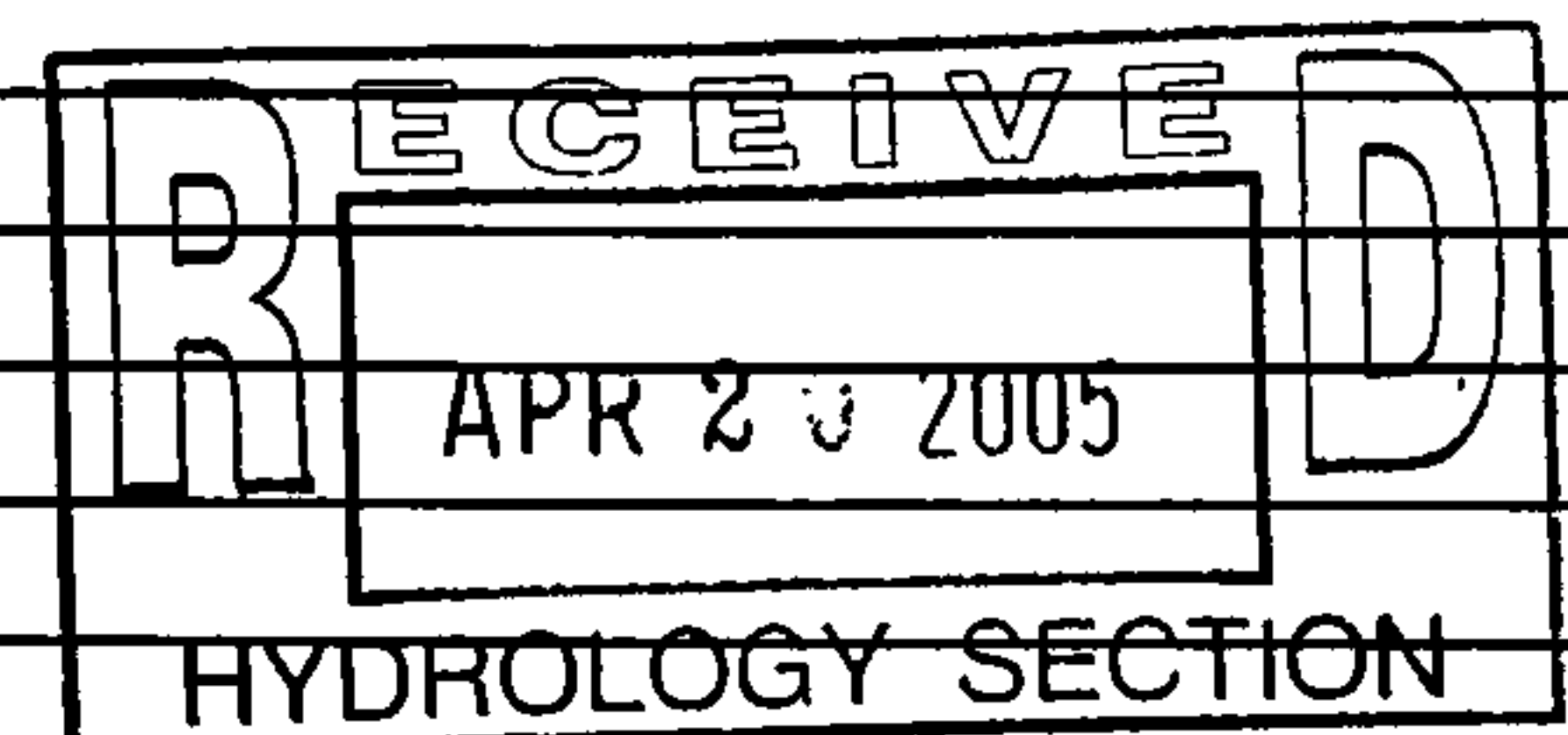
DATE: 4/21/2005	JOB NO: 24092
ATTENTION:	
RE: Wal-Mart #835-02 Stockroom Expansion	
PHONE: (505) 924-3986	

COPIES	DATED	NO.	DESCRIPTION
1	4/18/2005		Ltr. 24092 Brad Bingham 4-18-05.doc
1			Drainage and Transportation Sheet
1			Copy of the Grading and Drainage Plan Enlarged (sheet C107)

THESE ARE TRANSMITTED as checked below:

<input type="checkbox"/> For approval	<input type="checkbox"/> Approved as submitted	<input type="checkbox"/> FOR SIGNATURE(S)
<input checked="" type="checkbox"/> For your use	<input type="checkbox"/> Approved as noted	
<input checked="" type="checkbox"/> As requested	<input type="checkbox"/> Returned for corrections	
<input type="checkbox"/> For review and comments		
<input type="checkbox"/> FOR BIDS DUE _____ 20 _____	<input type="checkbox"/> PRINTS RETURNED AFTER LOAN TO US	

REMARKS \_\_\_\_\_



COPY TO \_\_\_\_\_

RECEIVED BY \_\_\_\_\_

SIGNED Cynthia Abeyta for  
Sarah Abeyta

# TIERRA WEST, LLC

8509 Jefferson NE  
Albuquerque, NM 87113

(505) 858-3100  
fax (505) 858-1118

twllc@tierrawestllc.com  
1-800-245-3102

April 18, 2005

Mr. Brad Bingham, PE  
Public Works Department  
City of Albuquerque  
P.O. Box 1293  
Albuquerque, NM 87103

**RE: Wal-Mart Store #835-02 Stockroom Expansion, 400 Eubank Blvd. NE  
Grading & Drainage Plan, Response to Comments (K21-D9A1))**

Dear Mr. Bingham:

Per your correspondence dated March 31, 2005, regarding the above referenced property, please find the following response addressing the comment listed below.

- 1) The new connection to existing 48" storm sewer will require constructing a new storm sewer manhole at the location shown or relocating the connection to the existing storm sewer manhole just to the south of proposed connection.

**A new sewer manhole at the location shown on the Grading & Drainage Plan has been added for the new 10" storm sewer connection to the existing 48" storm sewer.**

- 2) Label size and type of new storm sewer.

**The size of the new storm sewer is a 10' line and has been added to the Grading & Drainage Plan.**

- 3) Label the 48" storm sewer as existing instead of new.

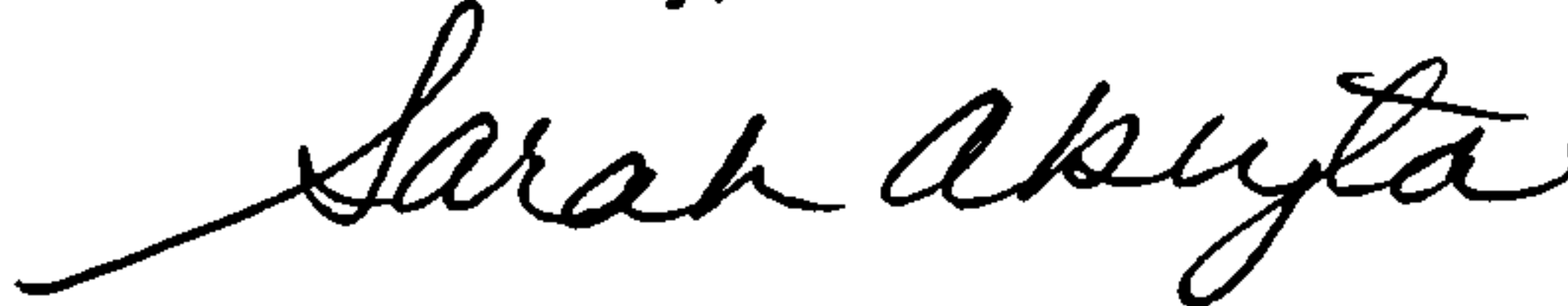
**The label has been changed on the Grading and Drainage Plan from new to existing.**

- 4) Add applicable S019 Permit notes for the connection to the existing storm drain.

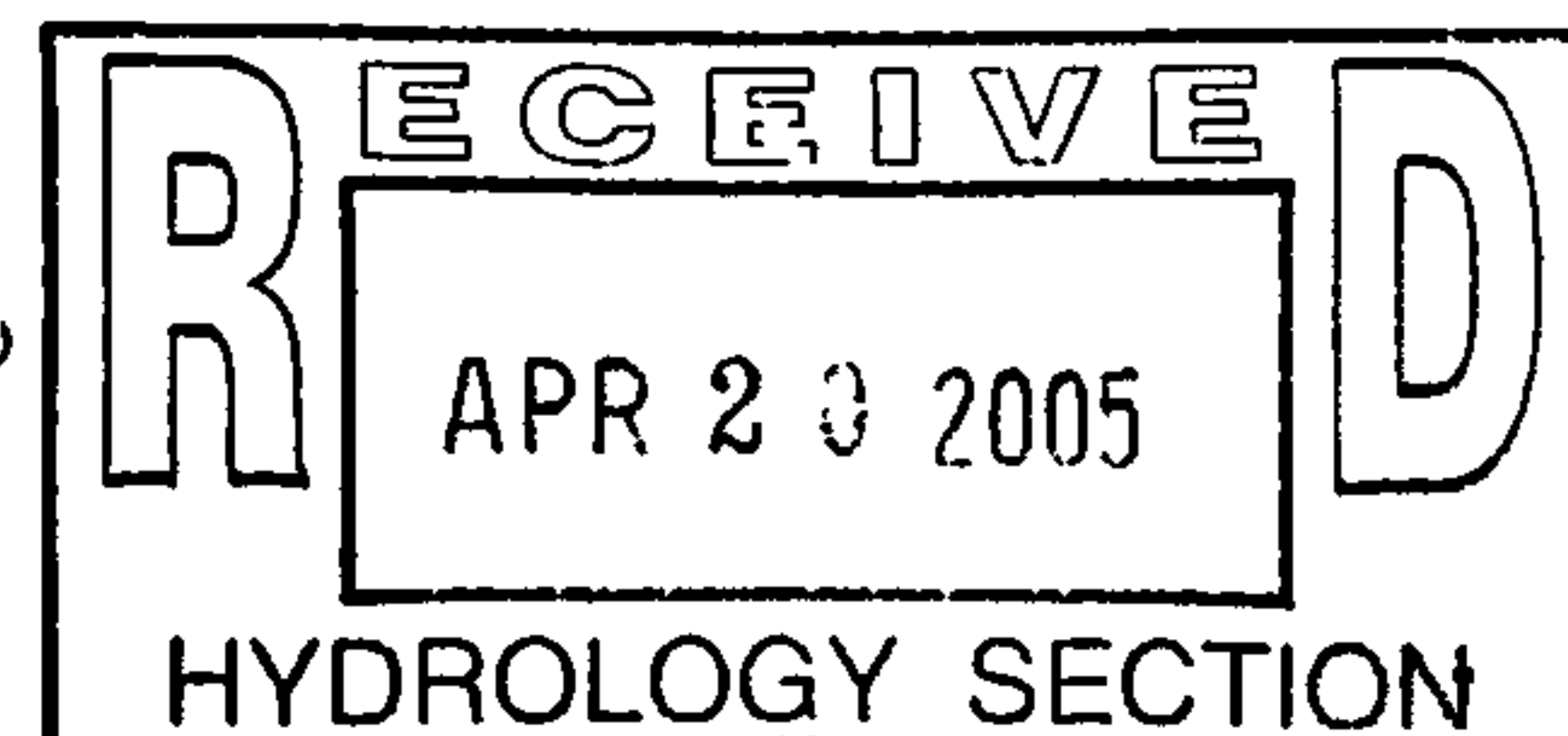
**The applicable S019 Permit notes for the connection to the existing storm drain have been added to the Grading & Drainage Plan.**

If you have any questions or need additional information regarding this matter, please do not hesitate to contact me.

Sincerely,

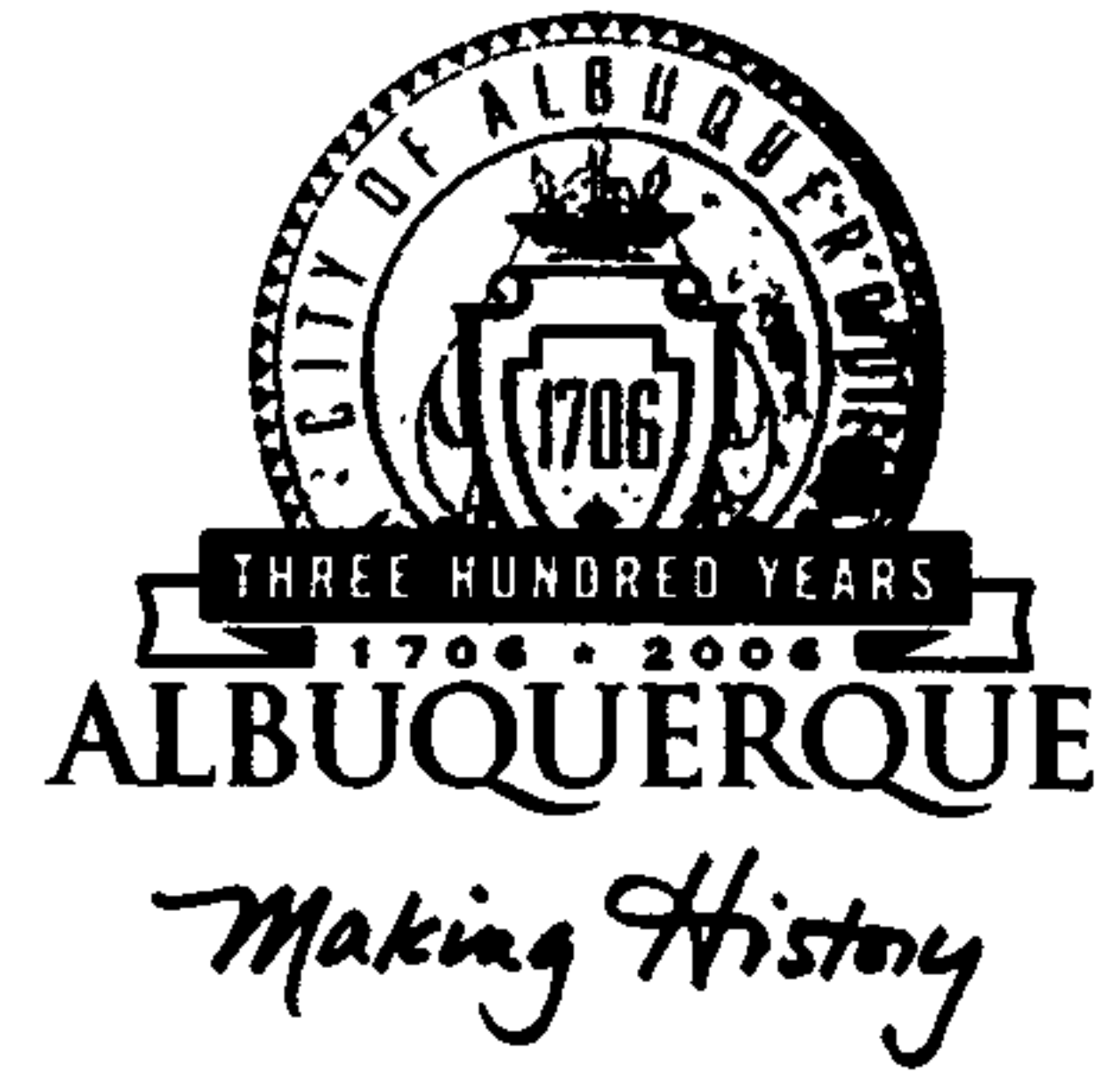


Sarah Abeyta



Enclosure/s  
JN: 24092  
SA

# CITY OF ALBUQUERQUE



March 31, 2005

Ronald R. Bohannon, P.E.  
Tierra West, LLC  
8509 Jefferson NE  
Albuquerque, NM 87113

**Re: Wal-Mart Store #835-02 Stockroom Expansion, 400 Eubank Blvd. NE  
Grading & Drainage Plan - Engineer's Stamp dated 02-04-05 (K21-D9A1)**

Dear Mr. Bohannon,

Based upon the information provided in your submittal dated 03-01-05, the above referenced plan cannot be approved for Building Permit until the following comments are addressed:

P.O. Box 1293

Albuquerque

New Mexico 87103

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

- The new connection to existing 48" storm sewer will require constructing a new storm sewer manhole at the location shown or relocating the connection to the existing storm sewer manhole just to the south of proposed connection
- Label size and type of new storm sewer.
- Label 48" storm sewer as existing instead of new.
- Add applicable S019 Permit notes for the connection to the existing storm drain

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

Sincerely,

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

C: file



# DRAINAGE AND TRANSPORTATION SHEET

(REV. 1/28/2003rd)

K-21/D9A1

PROJECT TITLE: Wal-Mart Store # 835-02 Stockroom Expansion ZONE MAP/DRG. FILE # A13-A14-B13-B14  
DRB #: \_\_\_\_\_ EPC #: \_\_\_\_\_ WORK ORDER #: \_\_\_\_\_

LEGAL DESCRIPTION: \_\_\_\_\_  
CITY ADDRESS: 400 Eubank Boulevard NE

ENGINEERING FIRM: Tierra West, LLC CONTACT: Ron Bohannon  
ADDRESS: 8509 Jefferson NE PHONE: (505) 858-3100  
CITY, STATE: Albuquerque, NM ZIP CODE: 87113

OWNER: Wal-Mart Real Estate Business Trust CONTACT: Frances Coberly  
ADDRESS: 20011 SE 10th Street PHONE: \_\_\_\_\_  
CITY, STATE: Bentonville, Arizona ZIP CODE: 72716-0550

ARCHITECT: Raymond Harris & Associates Architects CONTACT: Seungjoo Hong  
ADDRESS: 211 N. Record St. Suite 222 PHONE: (214) 749-0626  
CITY, STATE: Dallas, TX ZIP CODE: 75202

SURVEYOR: Precision Surveys CONTACT: Larry Medrano  
ADDRESS: 8414-D Jefferson Street NE PHONE: (505) 856-5700  
CITY, STATE: ABQ, NM ZIP CODE: 87113

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

## CHECK TYPE OF SUBMITTAL:

- ☐ DRAINAGE REPORT  
☐ DRAINAGE PLAN 1st 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

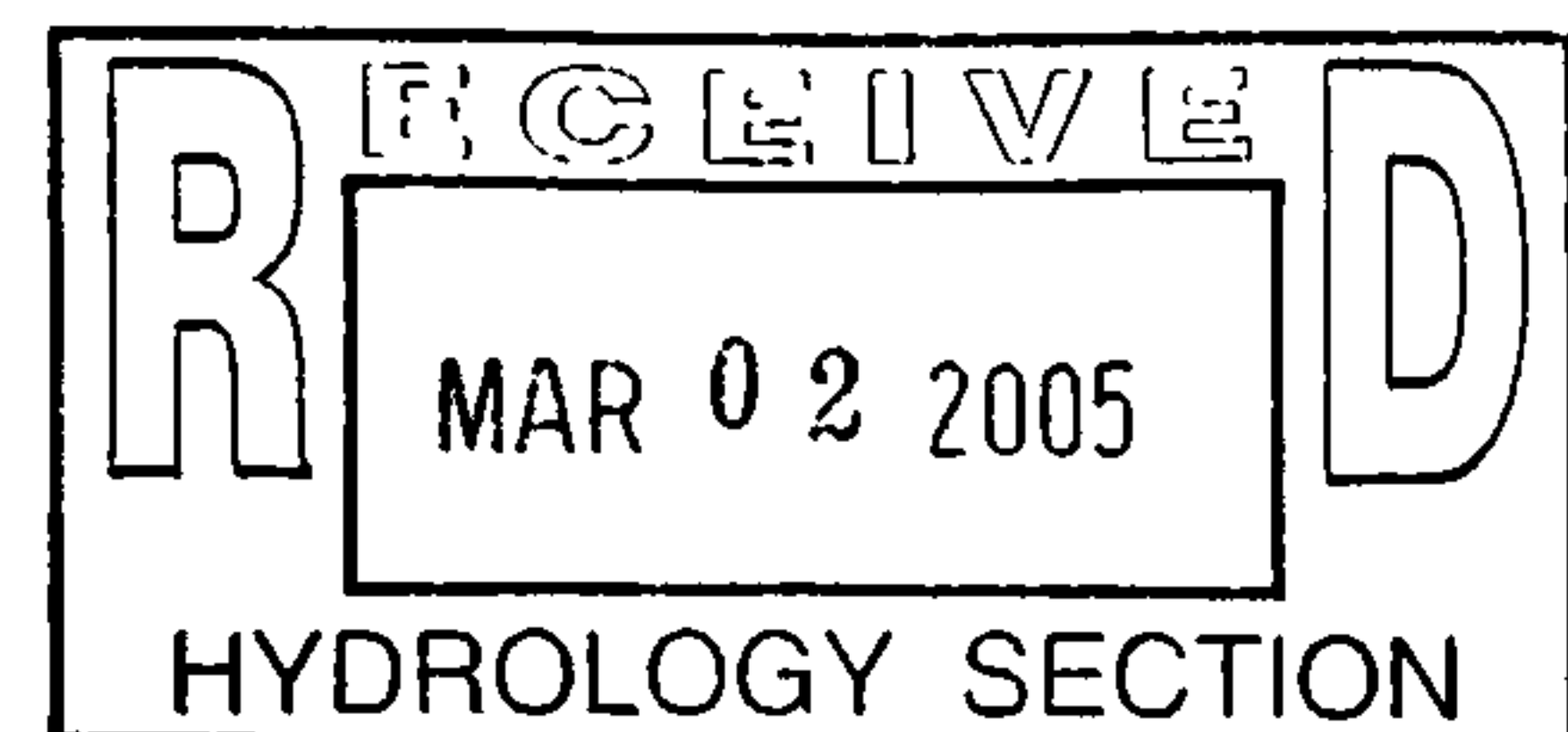
fee paid ✓

## CHECK TYPE OF APPROVAL SOUGHT:

- ☐ SIA / FINANACIAL 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  
☐ SO-19

## WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ☐ YES  
☒ NO  
☐ COPY PROVIDED



DATE SUBMITTED: 3/1/2005 BY: Ronald R. Bohannon, P.E.

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 Plans:** 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.

Find file,  
File for review

# TIERRA WEST, LLC

8509 Jefferson NE  
Albuquerque, NM 87113

(505) 858-3100  
fax (505) 858-1118

twllc@tierrawestllc.com  
1-800-245-3102

March 1, 2005

Mr. Brad Bingham, PE  
Public Works Department  
City of Albuquerque  
P.O. Box 1293  
Albuquerque, NM 87103

**RE: Grading Plan and Building Permit Approval for  
Wal-Mart Stockroom Expansion  
Zone Atlas K-21-Z (K-21/D09F)**

Dear Mr. Bingham:

Tierra West, LLC on behalf of Wal-Mart Stores East LP, requests approval of the Grading Plan and Building Permit for a new 5000 sf stockroom expansion onto the existing Wal-Mart Supercenter located on the southeast corner of Eubank Boulevard and Copper Road. This site is currently developed and was analyzed within the approved Master Drainage Plan for the Wal-Mart store expansion in 2001 (K-21/D09F). The site is currently impervious and the proposed expansion continues the same percentage of impervious area on the site.

According to the approved drainage report, the expansion lies in Basin 5 which drains to an existing curb inlet, which then drains to the I-40 Channel via storm drain. There is only 1cfs of surface runoff from Basin 5 plus the additional 3.58 cfs coming from existing roof drain entering this curb inlet. With construction of the expansion, the inlet will be removed and the runoff from Basin 5 will be routed to an adjacent second existing drop inlet. There will be a minimal amount of water entering this second existing drop inlet because the expansion takes up most of Basin 5 area.

The roof drain for the new expansion, along with the drainage from the existing roof drain, which is being rerouted, will be will connected into the existing 48" storm drain located east of the expansion. There is 4 cfs coming from the roof drain, which will make the amount of water entering the 48" RCP 65.12 cfs. The pipe has capacity to hold 81.48 cfs.✓

If you have any questions or need additional information regarding this matter, please do not hesitate to contact me.

Sincerely,

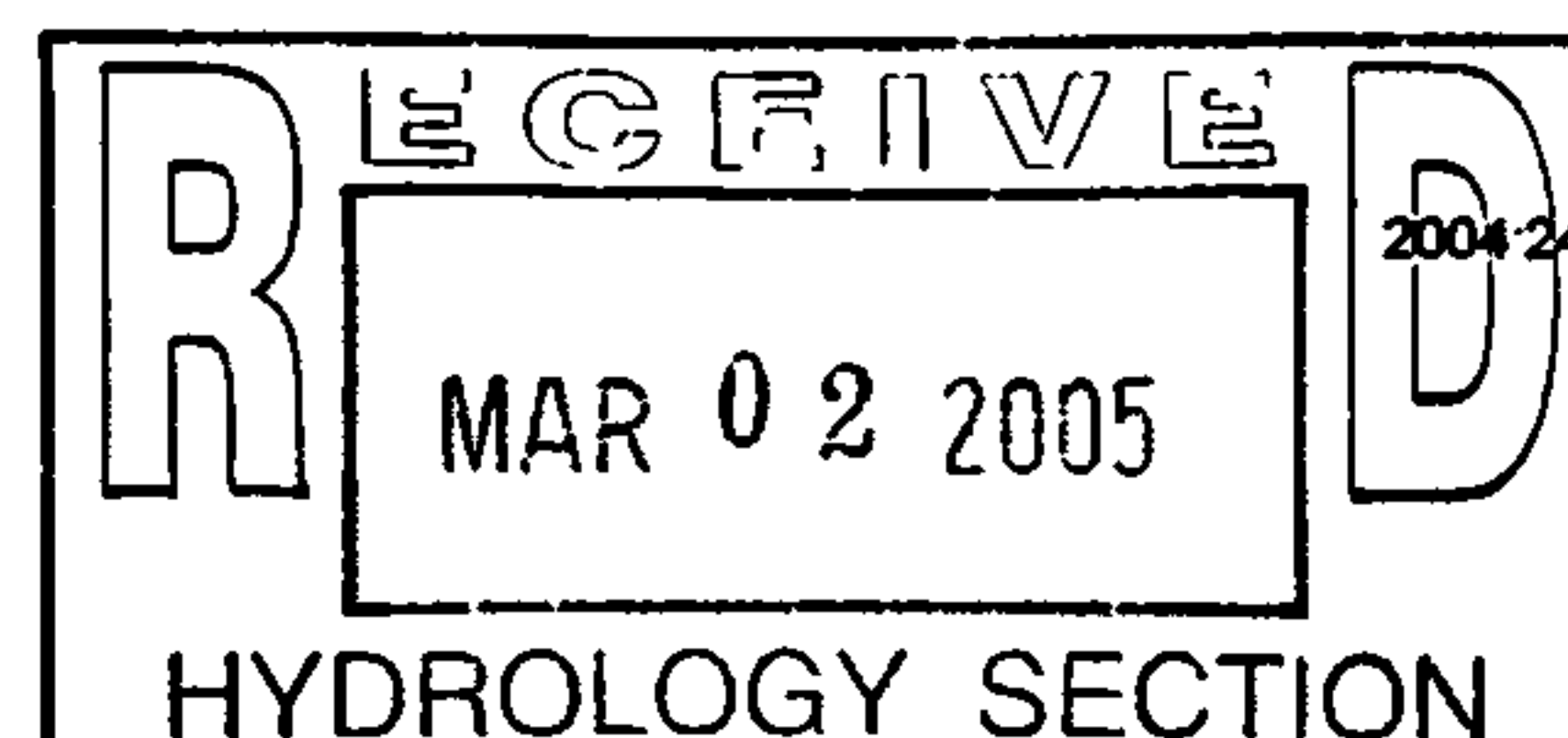


Ronald R. Bohannon, PE

Enclosure/s

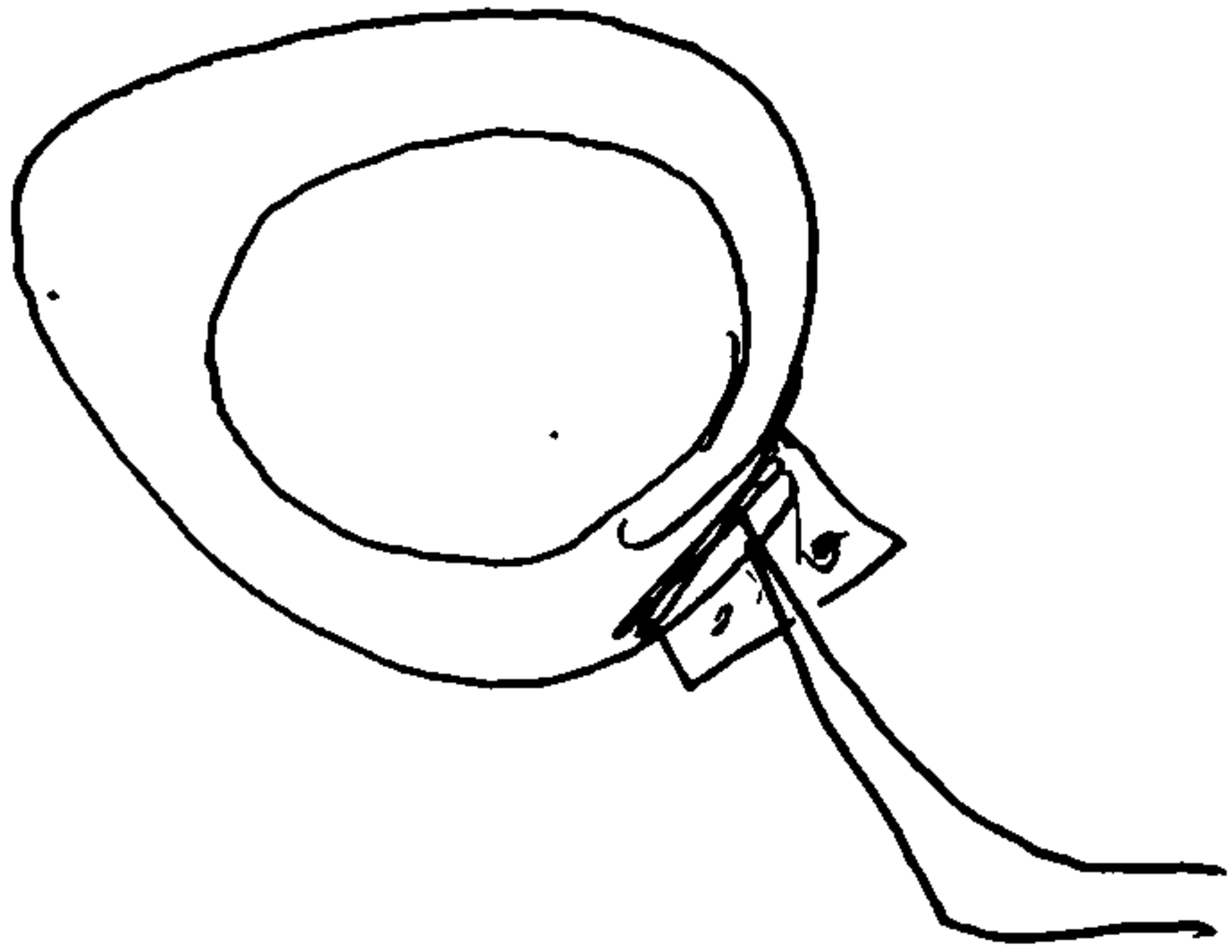
cc: Seungjoo Hong

JN: 24092  
RRB/sa



2004-24092 Brad Bingham sa 012805

1) convert - BEO







**Tierra West, LLC.**

(505) 858-3100

8509 Jefferson NE, Albuquerque, NM 87113

TO Mr. Bradley L. Bingham (P.E.)

CITY OF ALBUQUERQUE

Plaza Del Sol

600 N. Second Street NW

## LETTER OF TRANSMITTAL

DATE:	3/1/2005	JOB NO:	24092
ATTENTION:	Bradley L. Bingham (P.E.)		
RE:	Wal-Mart Eubank Expansion # 835		
PHONE: (505) 924-3986			

WE ARE SENDING YOU

☐

Attached

☐

Under Separate cover via \_\_\_\_\_ the following items:

☐

Shop drawings

☐

Prints

☐

Plans

☐

Samples

☐

Specifications

☐

Copy of letter

☐

Change order

☐

COPIES	DATED	NO.	DESCRIPTION
1	3/1/2005		Drainage and Transportation Sheet
1	3/1/2005		Letter re: Grading Plan & Building Permit Approval for Stockroom Expansion (2004:24092 Brad Bingham sa 012805)
			Zone Atlas K-21-Z (K-21/D09F)
1	2/4/2005		Copy of Grading and Drainage Plan Enlarged (sheet C-107)
1	2/4/2005		Copy of Overall Site Plan (sheet C-105)

THESE ARE TRANSMITTED as checked below:

☐

For approval

☐

Approved as submitted

☐

FOR SIGNATURE(S)

☒

For your use

☐

Approved as noted

☐☒

As requested

☐

Returned for corrections

☐

For review and comments

☐☐

FOR BIDS DUE \_\_\_\_\_ 20 \_\_\_\_\_

☐

PRINTS RETURNED AFTER LOAN TO US

REMARKS \_\_\_\_\_

COPY TO

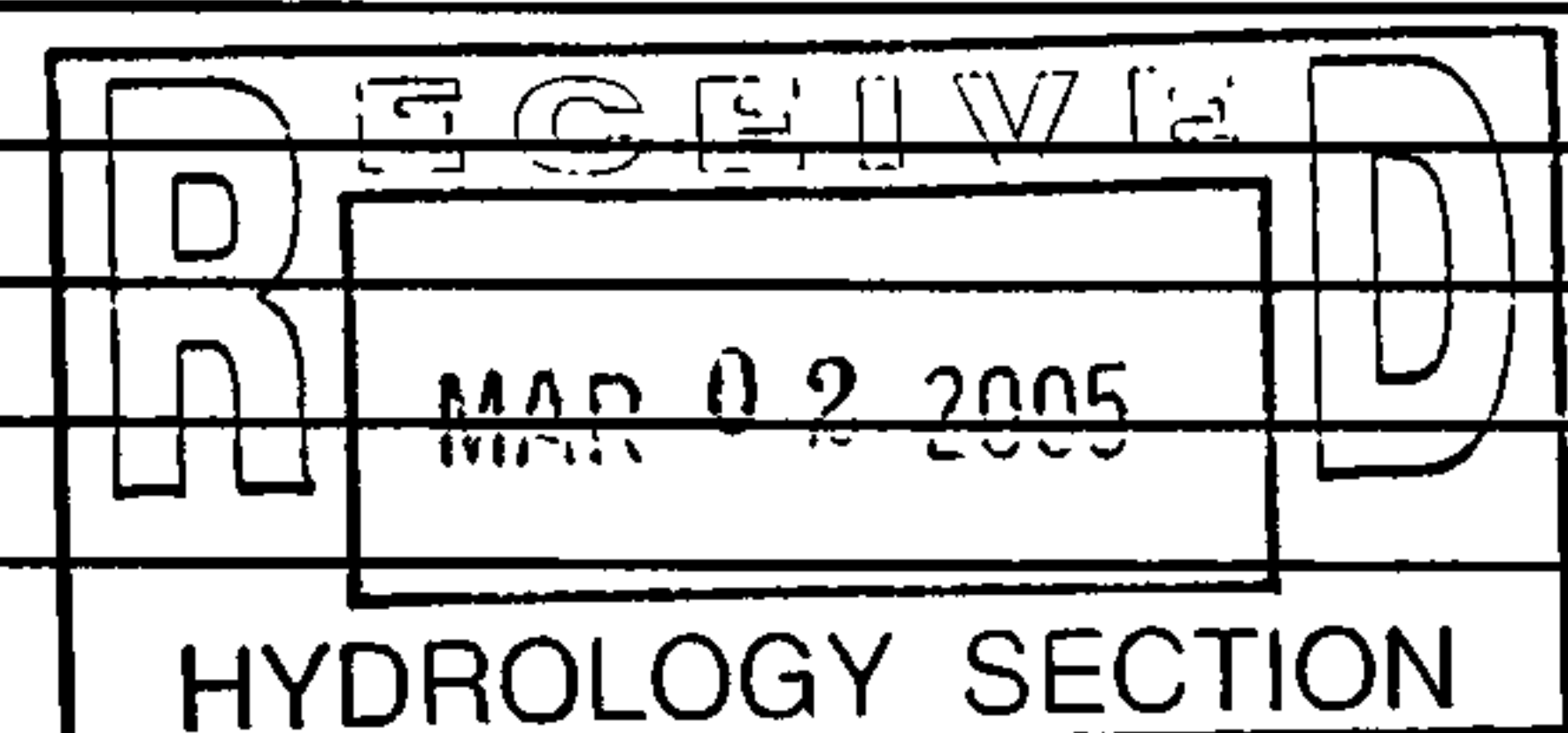
Seungjoo Hong

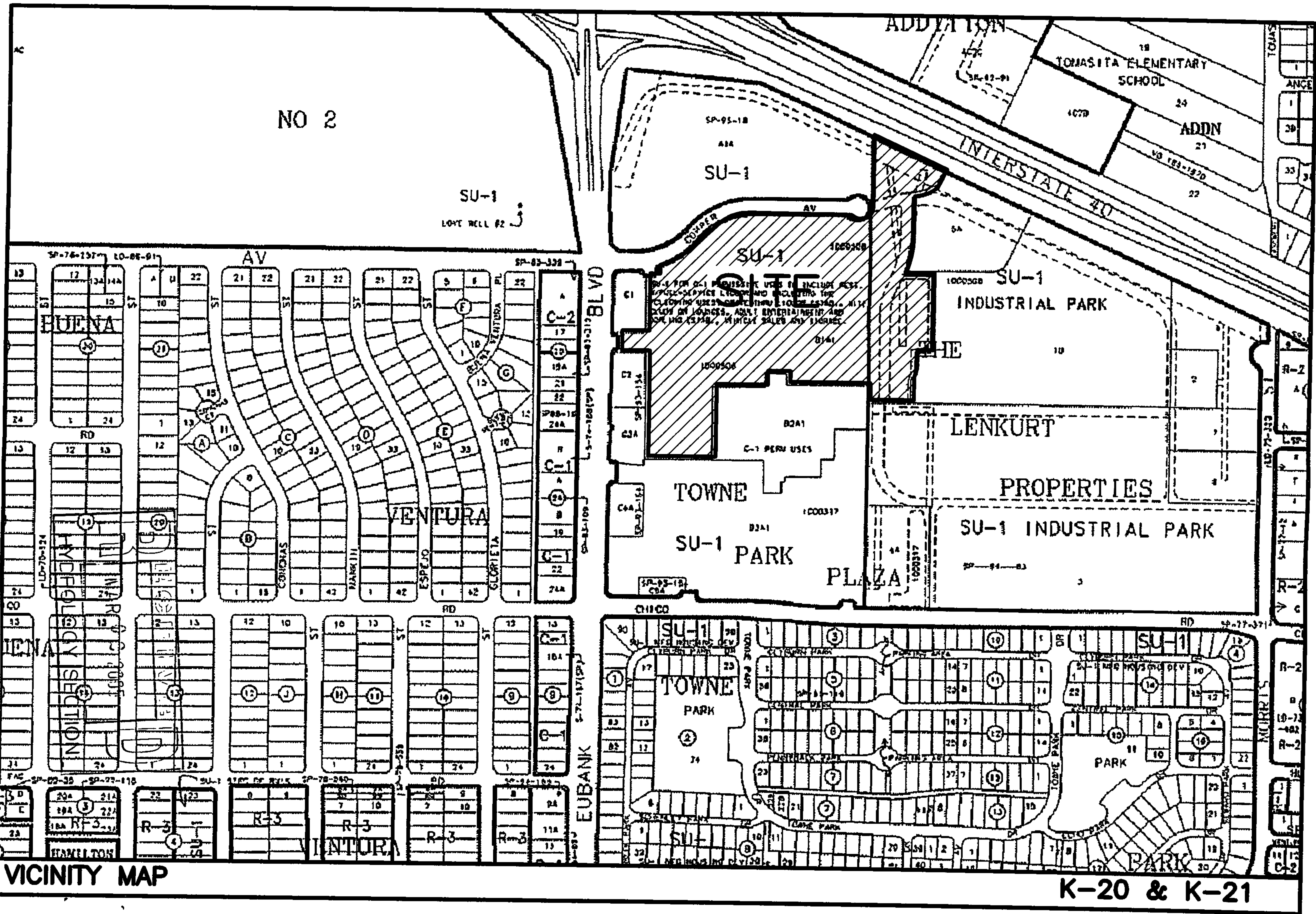
RECEIVED BY

\_\_\_\_\_

SIGNED

Cynthia Abeyta for  
Sarah Abeyta





VICINITY MAP

K-20 & K-21



# ***City of Albuquerque***

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

September 6, 2002

Ronald R. Bohannon, P.E.  
Tierra West, LLC  
8509 Jefferson NE  
Albuquerque, New Mexico 87113

**RE: WALMART EXPANSION @ TOWNE PARK PLAZA (K-21/D9A1)**  
**(400 Eubank NE)**  
**ENGINEERS CERTIFICATION FOR CERTIFICATE OF OCCUPANCY**  
**ENGINEERS STAMP DATED 5/7/2001**  
**ENGINEERS CERTIFICATION DATED 9/5/2002**

Dear Mr. Bohannon:

Based upon the information provided in your Engineers Certification submittal dated 9/5/2002, the above referenced site is approved for a Permanent Certificate of Occupancy.

If I can be of further assistance, please contact me at 924-3981.

Sincerely,

Teresa A. Martin  
Hydrology Plan Checker  
Development & Bldg. Ser. Division  
*Bub*

C: Certificate of Occupancy Clerk, COA  
approval file  
drainage file



# DRAINAGE INFORMATION SHEET

(REV. 11/01/2001)

K-21/D9A1

PROJECT TITLE: Walmart Expansion Store #835-02 ZONE ATLAS/DRG. FILE #: K-21  
DRB #: \_\_\_\_\_ EPC #: \_\_\_\_\_ WORK ORDER #: \_\_\_\_\_

LEGAL DESCRIPTION: Tract B-1A Towne Park Plaza and Lots 1 and 5 of the Lenkurt Properties  
CITY ADDRESS: 400 Eubank Boulevard

ENGINEERING FIRM: TIERRA WEST, LLC CONTACT: RONALD R. BOHANNAN  
ADDRESS: 8509 JEFFERSON NE PHONE: (505) 858-3100  
CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87113

OWNER: Walmart CONTACT: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_  
CITY, STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

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

SURVEYOR: Surv-Tek CONTACT: Russ Hugg  
ADDRESS: 5643 Paradise Boulevard PHONE: (505) 897-3366  
CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87114

CONTRACTOR: Jaynes Corporation CONTACT: Mark Strong  
ADDRESS: \_\_\_\_\_ PHONE: \_\_\_\_\_  
CITY, STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_

## CHECK TYPE OF SUBMITTAL:

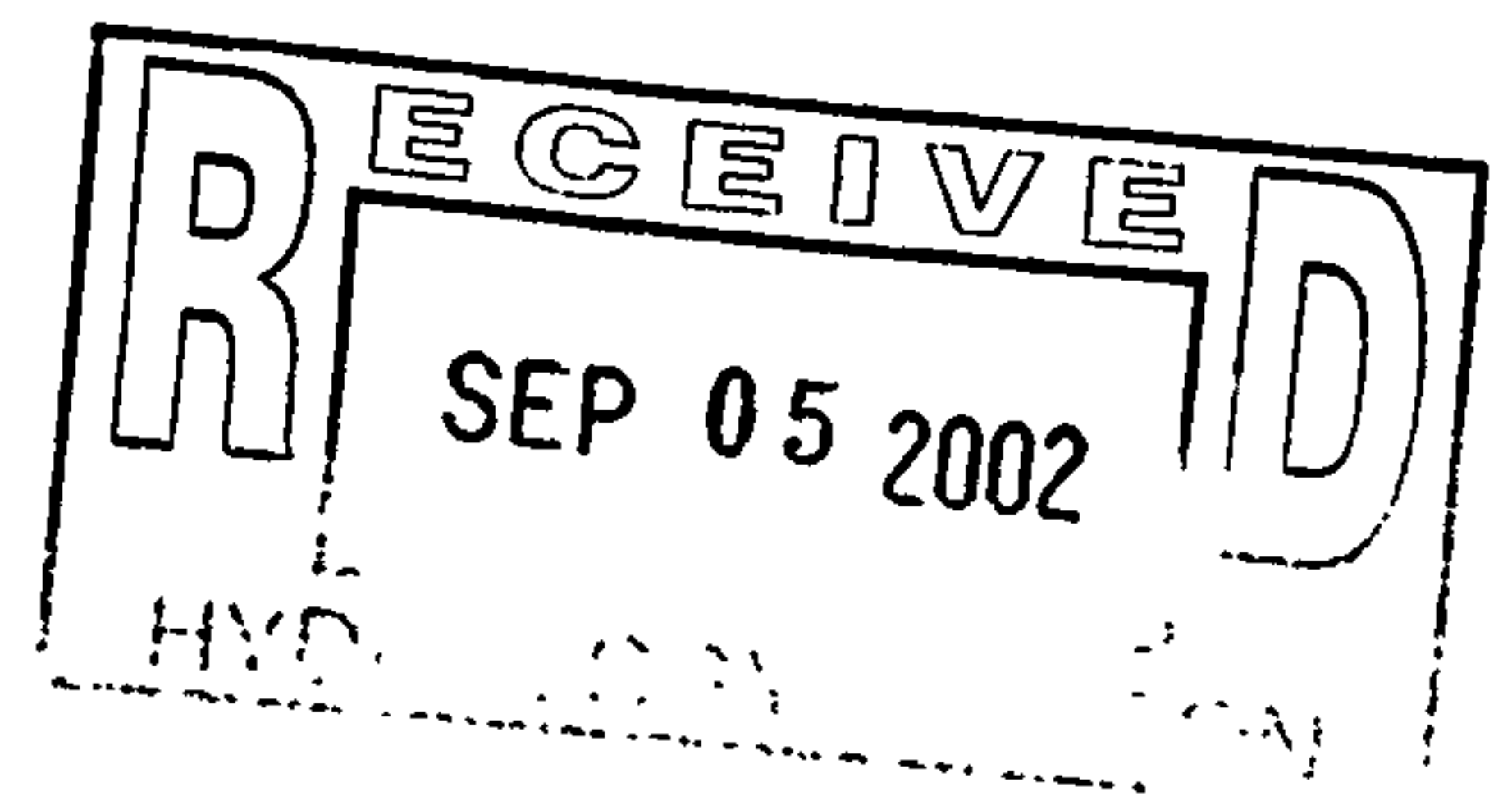
- ☐ DRAINAGE REPORT  
☐ DRAINAGE PLAN  
☐ CONCEPTUAL GRADING & DRAINAGE PLAN  
☐ GRADING PLAN  
☐ EROSION CONTROL PLAN  
☒ ENGINEER'S CERTIFICATION (HYDROLOGY)  
☐ CLOMR/LOMR  
☐ TRAFFIC CIRCULATION LAYOUT (TCL)  
☐ ENGINEERS CERTIFICATION (TCL)  
☐ ENGINEERS CERTIFICATION (DRB APPR. SITE PLAN)  
☐ OTHER

## CHECK TYPE OF APPROVAL SOUGHT:

- ☐ SIA / FINANACIAL 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: 9/5/2002 BY: Ronald Wright

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 Plans:** Required for approval of Site Development Plans greater than five (5) acres
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.



# TIERRA WEST, LLC

8509 Jefferson NE  
Albuquerque, NM 87113

(505) 858-3100  
fax (505) 858-1118

twllc@tierrawestllc.com  
1-800-245-3102

September 5, 2002

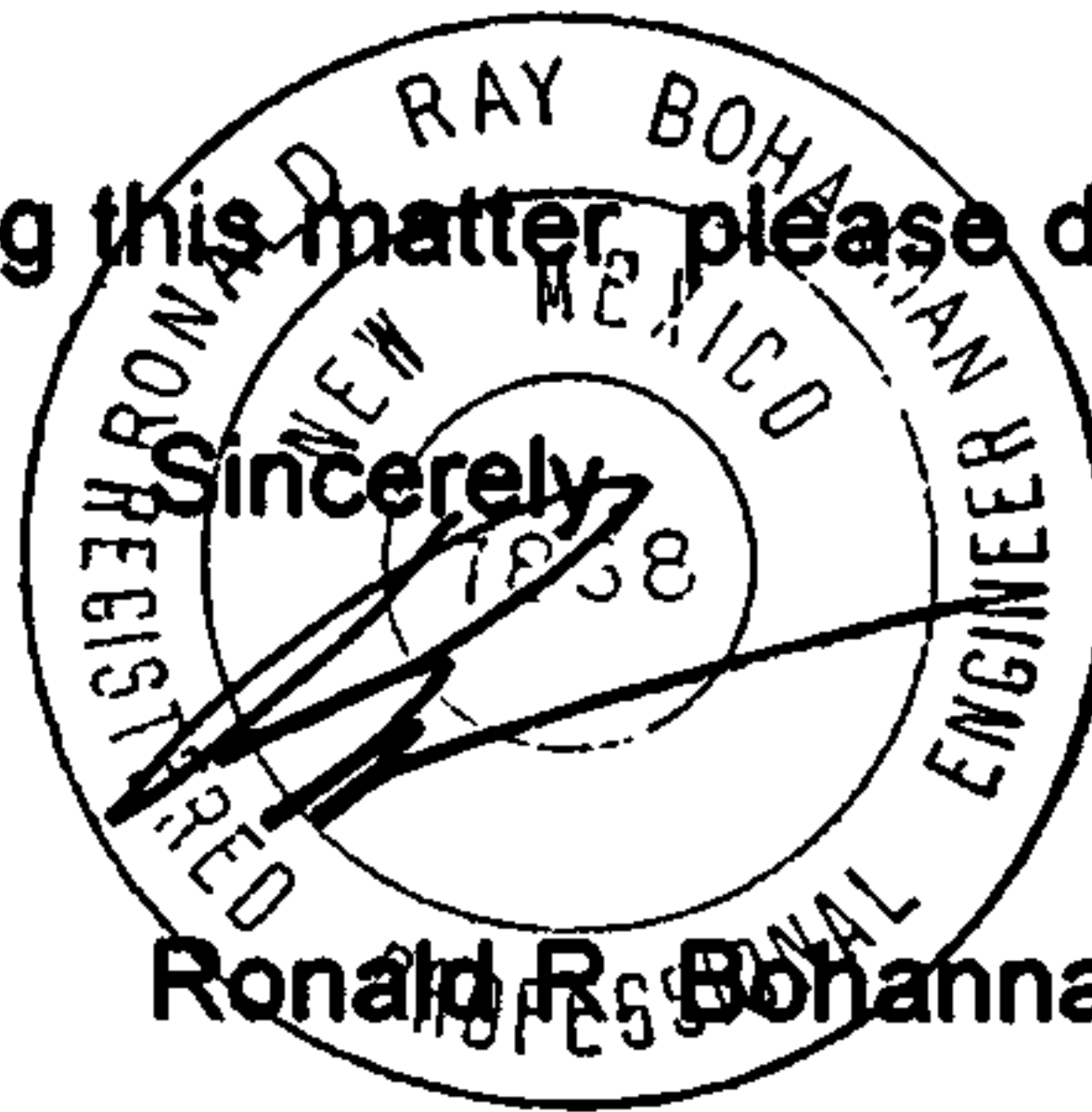
Mrs. Teresa Martin  
City of Albuquerque  
Hydrology Department  
PO Box 1293  
Albuquerque, NM 87103

**RE: Final Certification of Drainage for Certificate of Occupancy  
Wal-Mart Expansion Store #835-02, (K21/D09F), 400 Eubank Boulevard, NE**

Dear Terri:

We are Final Certification of Drainage for Certificate of Occupancy. Enclosed please find one copy of the as-built Grading and Drainage Plan and information sheet for the Wal-Mart Expansion located at 400 Eubank Boulevard. Jaynes Corporation has completed the on-site paving and curb and gutter. Landscaping for the site is complete. The drainage outfall for the site is in place and functional. All work is in substantial compliance with the approved plans. As-built information was supplied by Surv-Tek. We are, therefore, requesting Final Certification of Drainage for Final Certificate of Occupancy.

If you have any questions regarding this matter, please do not hesitate to call me.

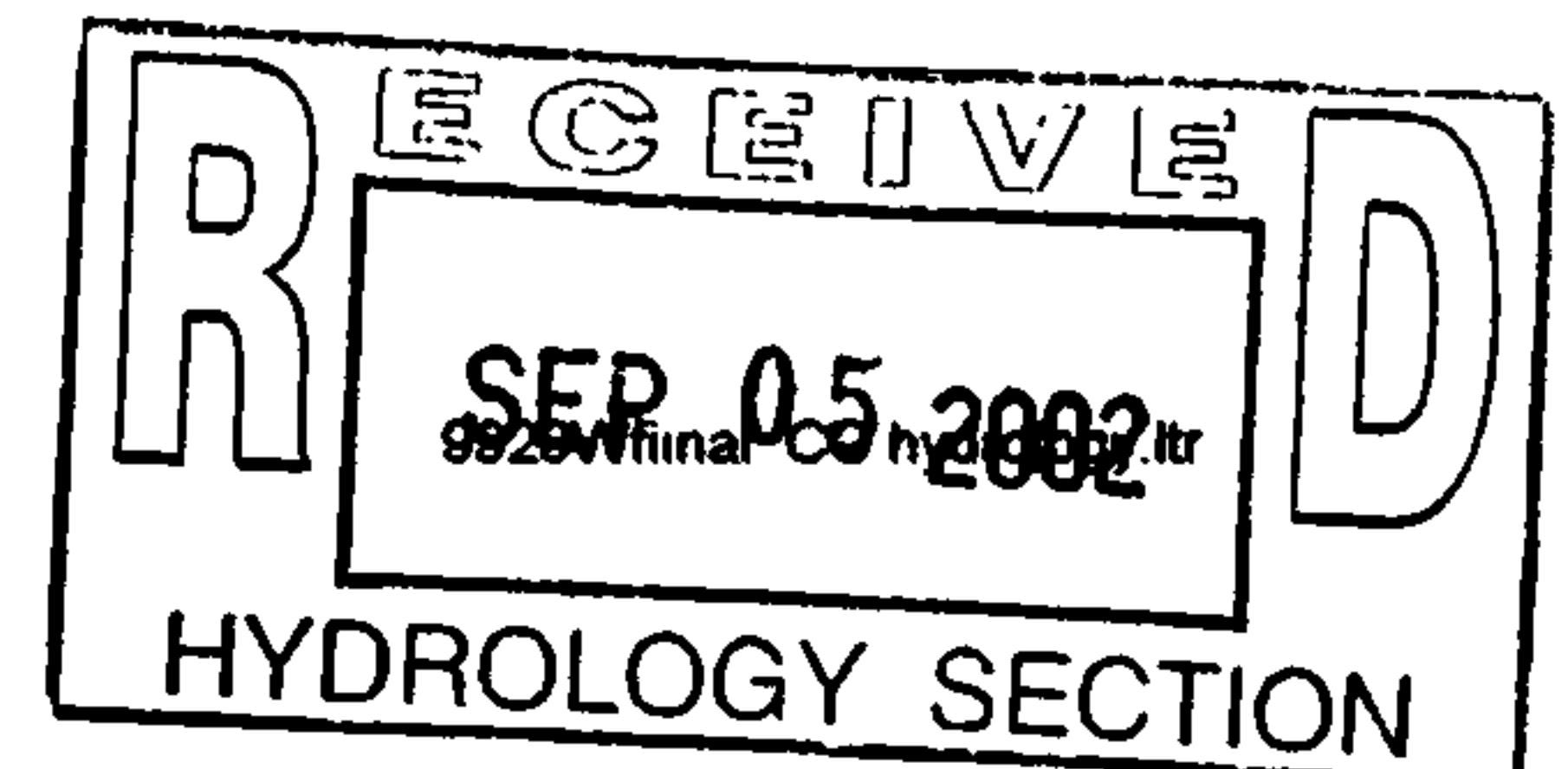


Ronald R. Bohannon, PE

Enclosures

cc: Mark Strong

JN: 990029W  
RRB/rw



file

DEVELOPMENT & BUILDING SERVICE CENTER  
ONE STOP SHOP  
600 SECOND ST. N.W.

ATTENTION: \_\_\_\_\_  
505-924-3900

Records Withdrawal Form

Project No. K21/D9A1 Date: 04-21-05  
K21/D9F  
Project Title: ABQ. WAL-MART EXPN: 835-02  
SAM'S CLUB EXPN

a. File b. Mylars c. Redlines/Comments  
d. Other 24x36" SAT (2)

Requested by: FRED C. ARMAN, ARMAN, P.A. Phone No.: 268-8828  
Name and Company

Comments:

FOR BOND REPRODUCTION

Anticipated Return Date: \_\_\_\_\_

I hereby accept full responsibility for the security of the above noted records/plans until return receipt acknowledgement is completed. Records/plans will be returned to the Development and Building Services Center on or before the indicated anticipated return date.

Delivery Picked Up By:

Name: Jimmy Vick Organization: ABQ. REPROGRAPHS  
Print

Signed: [Signature] Date: 04-21-05

Office Use Only

Return Acknowledged:

Received By: [Signature] Date: 4-25-05  
Print

New Mexico  
State Highway and Transportation Department

---

File: K21/09A1

---

**INTRA-DEPARTMENTAL CORRESPONDENCE**

---

DATE: July 2, 2001

FILE REF: DIST. 3

TO: Kathy Trujillo  
District 3, Traffic EngineerFROM: James S. Lowe *JSJ*  
Drainage Development Engineer

SUBJECT: I40, Eubank Wal-Mart Expansion

At your request, the Drainage Section has reviewed the Letter dated June 15, 2001 from Tierra West, LLC concerning the "Master Drainage Plan for the Wal-Mart Store Expansion Store #835-02", and based on the answers to the comments we find the recommendations to be adequate and reasonable.

The construction at the Interstate should be coordinated with the on-going project at that location. Please coordinate with Dennis Valdez at District 3.

If you have any questions, please call 827-5334

XC: Rae Van Hoven  
George Herrera  
Steve Harris, Dist. 3  
Gary Shubert, Dist 3  
Sara Lavy, TW, LLC

# TIERRA WEST, LLC

---

8509 Jefferson NE  
Albuquerque, NM 87113

Phone: 505-858-3100  
Fax: 505-858-1118

## FACSIMILE TRANSMITTAL

**To:** Brad Bingham

**FAX:** 924-3864

**From:** Sara Lavy

**Subject:** Wal-Mart Expansion Store #835-02

**JN:** 990029W

**TOTAL OF (2) PAGE**

**Date:** 7-12-01

---

Here is the approval letter from the State Highway Department.

IF YOU DO NOT RECEIVE ALL PAGES OF THIS TRANSMITTAL, OR IF MATERIAL IS NOT LEGIBLE, PLEASE  
CONTACT OUR OFFICE FROM 8:00 AM TO 5:00 PM, MST, MONDAY THROUGH FRIDAY. THANK YOU.





# ***City of Albuquerque***

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

January 28, 1999

Rick Beltramo, PE  
Bohannon-Huston Inc.  
7500 Jefferson NE  
Albuquerque, NM 87109

RE: DRAINAGE & GRADING PLAN FOR WAL-MART @ TOWNE PARK (K21/~~D9A1~~)  
RECEIVED DEC 22, 1998 FOR SITE PLAN & BUILDING PERMIT  
ENGINEER'S STAMP DATED 12/16/98

Dear Mr. Beltramo:

Based on the information included in the submittal referenced above, City Hydrology accepts the Grading & Drainage Plan for Site Development Plan and Building Permit.

Include a copy of the approved Grading & Drainage Plan, dated 12/16/98, in each set of construction documents that will be submitted to Code Administration for the Building Permit.

Engineer's Certification of grading & drainage, per DPM checklist, must be accepted by City Hydrology before any Certificate of Occupancy will be released.

If I can be of further assistance, You may contact me at 768-2727.

Sincerely,

John P. Curtin, P.E.  
Project Manager, PWD/Hyd

c: Andrew Garcia

## DRAINAGE INFORMATION SHEET

PROJECT TITLE: WAL-MART @ Towne Park ZONE ATLAS/DRNG. FILE # K21/D9A1DRB #: \_\_\_\_\_ EPC #: Z-90-21 WORK ORDER #: \_\_\_\_\_LEGAL DESCRIPTION: TRACT B-1A, TOWNE PARK PLAZACITY ADDRESS: Copper Ave. & ELIBANK BLVD.ENGINEERING FIRM: BOHANNAN-HUSTON INC.ADDRESS: 7500 JEFFERSON NE, ALB. NM 87109OWNER: WAL-MART

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

ARCHITECT: RAYMOND HARRIS & ASSOC.ADDRESS: 211 NORTH RECORD ST.  
SUITE 222, DALLAS, TX 75202

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

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

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

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

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

PHONE: (505) 823-1000

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

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

CONTACT: RAYMOND HARRIS

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

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

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

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

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

## TYPE OF SUBMITTAL:

☐ DRAINAGE REPORT  
☐ DRAINAGE PLAN  
☐ FINAL GRADING & DRAINAGE PLAN  
☒ GRADING PLAN  
☐ EROSION CONTROL PLAN  
☐ ENGINEER'S CERTIFICATION  
☐ OTHER

## PRE-DESIGN MEETING:

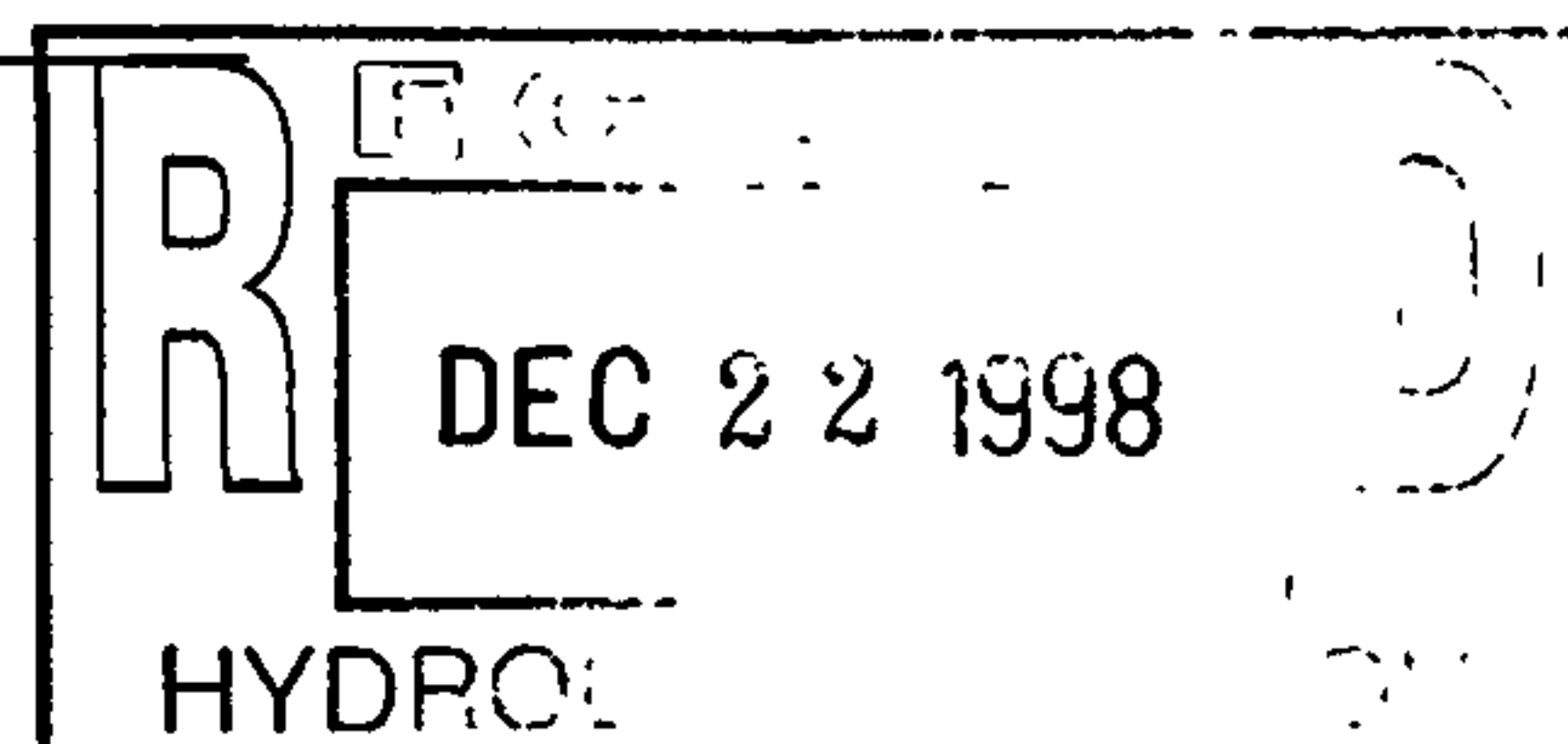
☒ YES  
☐ NO  
☐ COPY PROVIDED

## CHECK TYPE OF APPROVAL SOUGHT:

☐ SKETCH PLAT APPROVAL  
☐ 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 APPROVAL  
☐ GRADING PERMIT APPROVAL  
☐ PAVING PERMIT APPROVAL  
☐ S.A.D. DRAINAGE REPORT  
☐ DRAINAGE REQUIREMENTS  
☐ SUBDIVISION CERTIFICATION  
☐ OTHER \_\_\_\_\_ (SPECIFY)

DATE SUBMITTED: 12/22/98BY: RICK BELTRAMO

Revised 02/98



# CLIENT/COURIER TRANSMITTAL

K21/D9A1

TO: FRED AGUIRRE, P.E.  
CITY ENGINEER  
DRB ACTING CHAIR  
CITY HYDROLOGIST

Requested By: R. BELTRAMO

Date: 12/21/98

Time Due: ☐ This AM. ☒ This P.M.  
☐ Rush ☐ By Tomorrow

Job No.: SS414 CORR

Job Name: Towne Park Wal-Mart  
Amendment/EXPANSION

## DELIVERY VIA

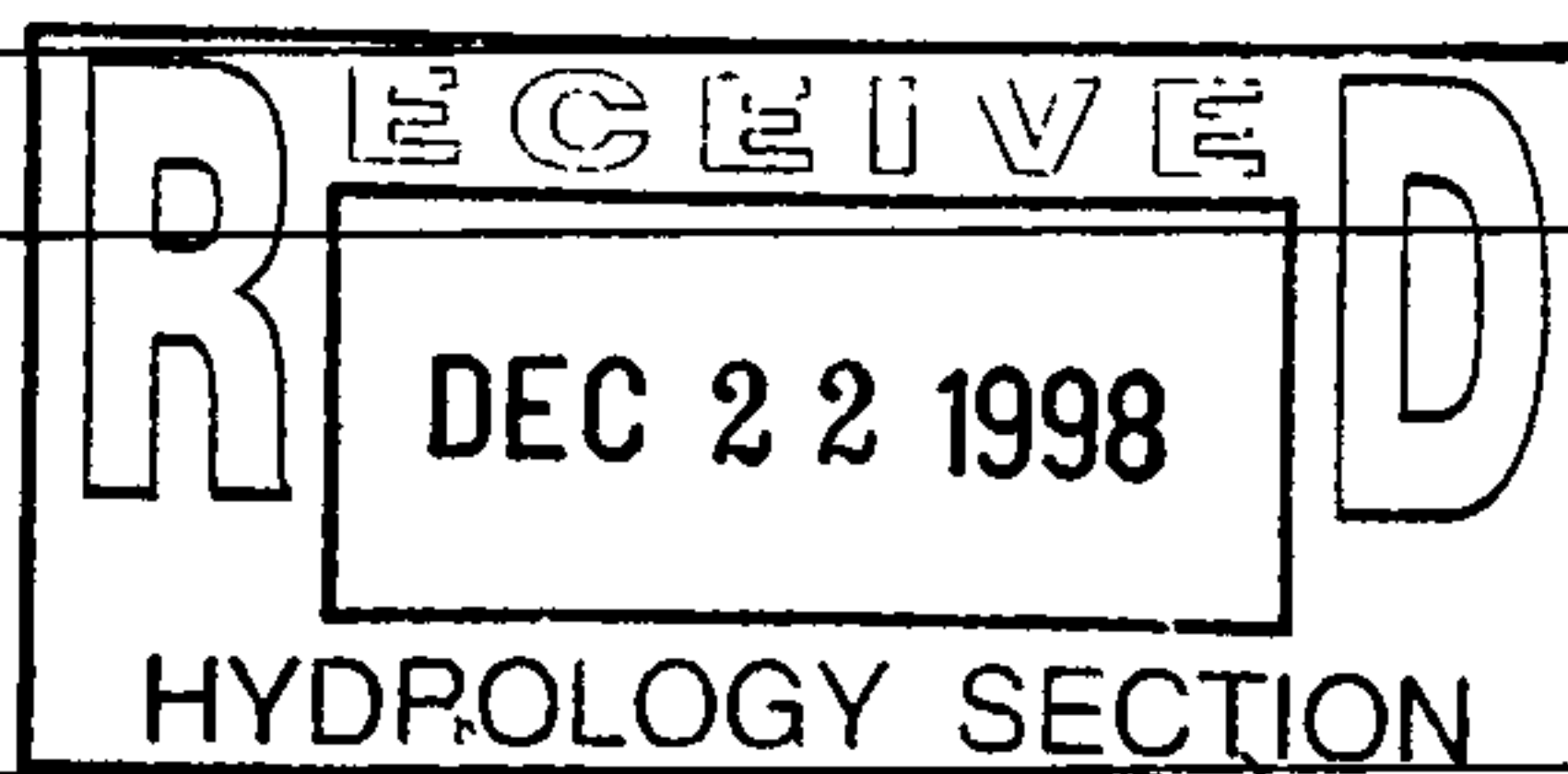
☒ Courier ☐ Federal Express  
☐ Mail ☐ UPS  
☐ Other \_\_\_\_\_

## PICK UP

Item: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

ITEM NO.	QUANTITY	DESCRIPTION
①	1	Amended Grading Plan dated 12/10/98
②	1	Amended Side Plan
③	1	Drainage Info. Sheet.

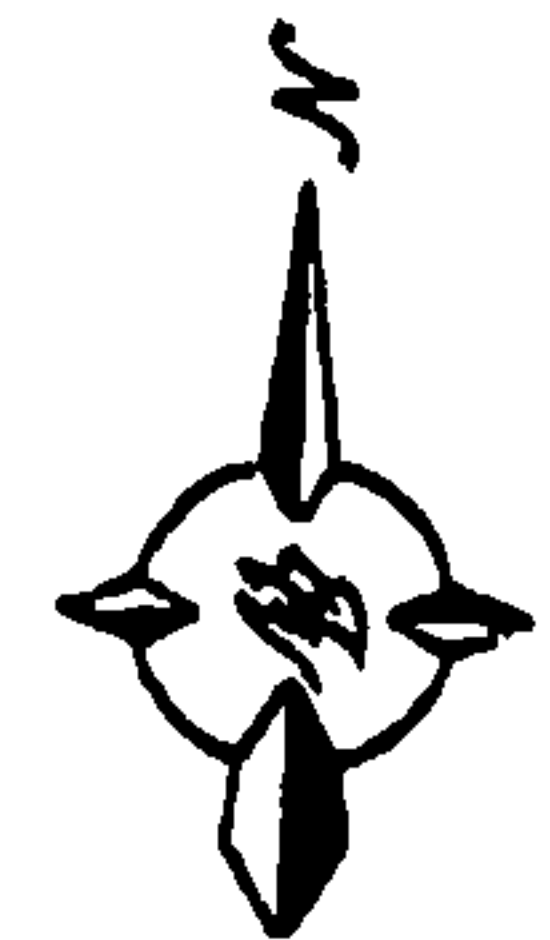
## COMMENTS/INSTRUCTIONS



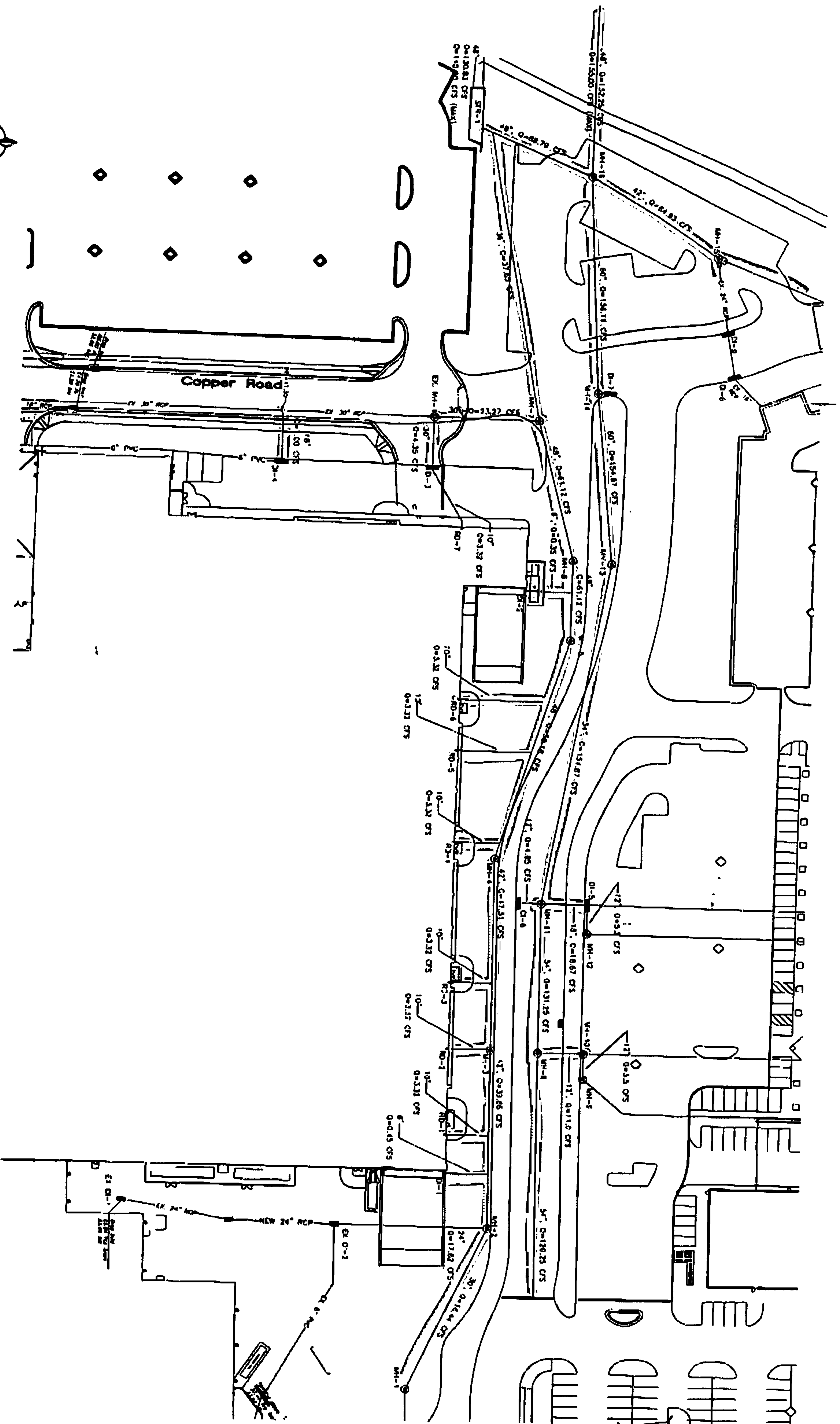
Fred, transmitted is the amended grading plan which shows the proposed Wal-Mart expansion. I believe you suggested a second meeting for submittal of this plan. I will call Tuesday afternoon, 12-22-98, to discuss. Your help on this project is greatly appreciated.

Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: Rich B.





# STORM DRAIN LAYOUT





	Design Intersection	Central/Eubank Intersection		
6"	SAS Gravity Line	Public Easement (behind store)	South Property Line	North Property Line
6"	SAS Gravity Line	Public Easement (in front of store)	Ex. Public Easement on South Side of Site	Garden Center
10"	Water PVC Line	Public Easement (behind store)	South Property Line	Copper Avenue
30"-48"	RCP Storm Sewer Line	Private Easement (behind store)	South Property Line	Existing Earthen Channel
64" - 60"	RCP Storm Sewer Line	Private Easement (behind store)	South Property Line	20' South of North Property Line
48"	Jack and Bore	Interstate 40	20' South of North Property Line	Interstate 40 Channel
	Existing Channel on Northwest corner to include riprap lining			
	Water Infrastructure to include Valves, Fittings, Valve Boxes, and Fire Hydrants as required.			
	Sanitary Sewer to include Manholes and Service Connections as required.			
	Certified Grading & Drainage with Private Walls & Private Drainage (Non-work order item) Required for SIA Financial Release			

Agent/Owner Name: \_\_\_\_\_

Agent/Owner Name: Ronald R. Bohannon, P.E.

Firm: Tierra West LLC

#### DEVELOPMENT REVIEW BOARD MEMBER APPROVALS

Construction Completion Deadline Date: \_\_\_\_\_

Transportation Dev. \_\_\_\_\_ Date \_\_\_\_\_

Utility Dev. \_\_\_\_\_ Date \_\_\_\_\_

Public Works & GS. \_\_\_\_\_ Date \_\_\_\_\_

City Engineer \_\_\_\_\_ Date \_\_\_\_\_

AMAFCA \_\_\_\_\_ Date \_\_\_\_\_

DRB Chairman \_\_\_\_\_

#### DRC REVISIONS

Revisions	Date	DRC Chair	User Department	Agent/Owner



# ***City of Albuquerque***

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

***Public Works Department  
Transportation Development Services Section***

September 9, 2002

Ronald R. Bohannon, P.E.  
Tierra West LLC.  
8509 Jefferson N.E.,  
Albuquerque, NM 87113

Re: Certification Submittal for Final Building Certificate of Occupancy for  
Walmart Expansion Store Tr. B-1A, [K-21/D009A1]  
400 Eubank Blvd. N.E.  
Engineer's Stamp dated - 09/05/02

Dear Mr Bohannon:

The TCL / Letter of Certification submitted on September 5, 2002 is sufficient for acceptance by this office for final Certificate of Occupancy (C.O.). Notification has been made to Building and Safety and final C.O. has been logged in at the Building Safety Section downstairs.

Sincerely,

Mike Zamora, Commercial Plan Checker  
Development and Building Services  
Planning Department

c: Hydrology file  
Mike Zamora

1 EUBNK1NEW1drbRoBoTW-CO

# DRAINAGE INFORMATION SHEET

(REV. 11/01/2001)

K-20/D9A1

PROJECT TITLE: Walmart Expansion Store #835-02  
DRB #: \_\_\_\_\_ EPC #: \_\_\_\_\_

ZONE ATLAS/DRG. FILE #: K-21  
WORK ORDER #: \_\_\_\_\_

LEGAL DESCRIPTION: Tract B-1A Towne Park Plaza and Lots 1 and 5 of the Lenkurt Properties  
CITY ADDRESS: 400 Eubank Boulevard

ENGINEERING FIRM: TIERRA WEST, LLC  
ADDRESS: 8509 JEFFERSON NE  
CITY, STATE: ALBUQUERQUE, NM

CONTACT: RONALD R. BOHANNAN - 9/5/02  
PHONE: (505) 858-3100  
ZIP CODE: 87113

OWNER: Walmart  
ADDRESS: \_\_\_\_\_  
CITY, STATE: \_\_\_\_\_

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

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

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

SURVEYOR: Surv-Tek  
ADDRESS: 5643 Paradise Boulevard  
CITY, STATE: ALBUQUERQUE, NM

CONTACT: Russ Hugg  
PHONE: (505) 897-3366  
ZIP CODE: 87114

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

CONTACT: Mark Strong  
PHONE: \_\_\_\_\_  
ZIP CODE: \_\_\_\_\_

## CHECK TYPE OF SUBMITTAL:

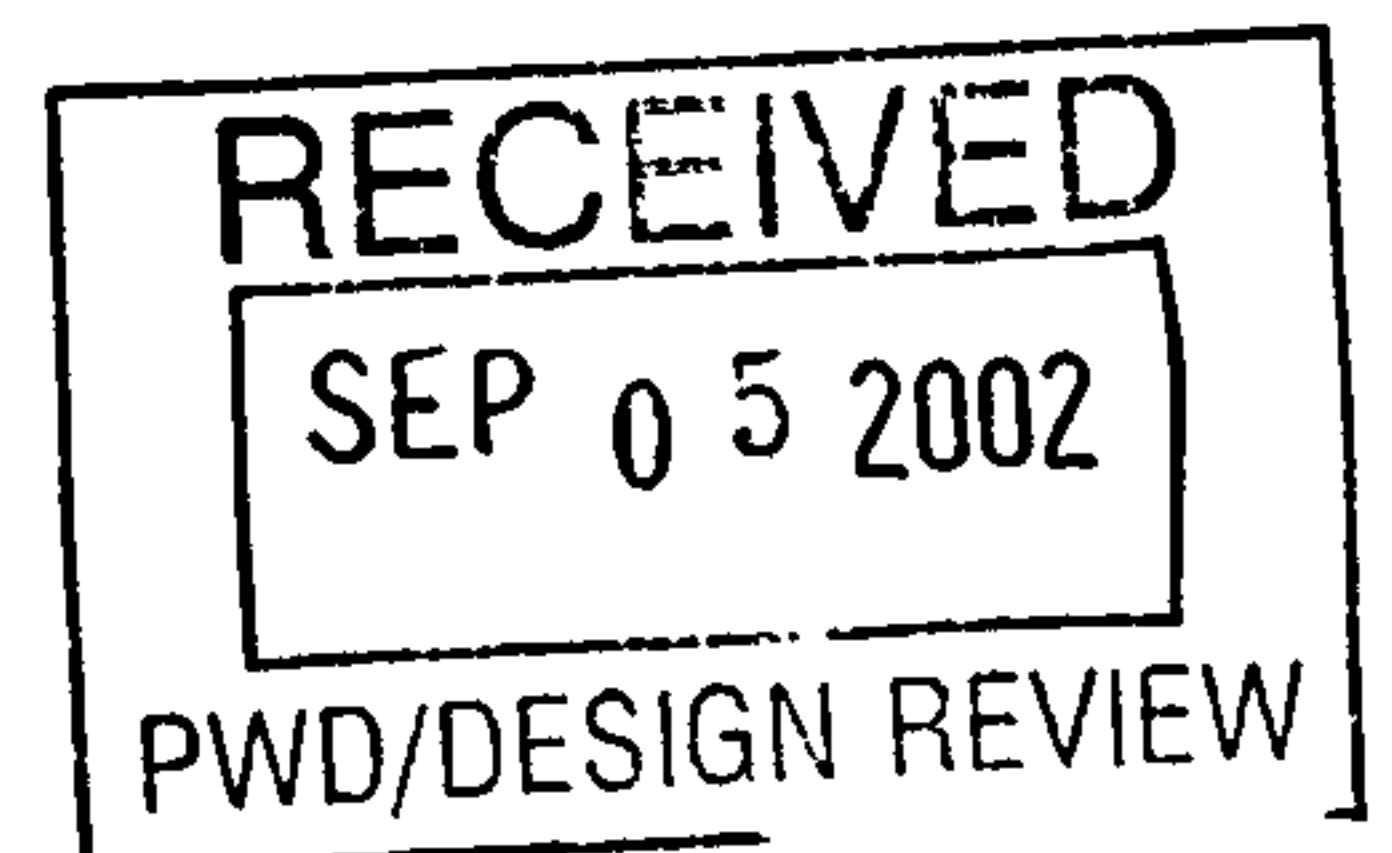
- ☐ DRAINAGE REPORT  
☐ DRAINAGE PLAN  
☐ CONCEPTUAL GRADING & DRAINAGE PLAN  
☐ GRADING PLAN  
☐ EROSION CONTROL PLAN  
☐ ENGINEER'S CERTIFICATION (HYDROLOGY)  
☐ CLOMR/LOMR  
☐ TRAFFIC CIRCULATION LAYOUT (TCL)  
☐ ENGINEERS CERTIFICATION (TCL)  
☒ ENGINEERS CERTIFICATION (DRB APPR. SITE PLAN)  
☐ OTHER

## CHECK TYPE OF APPROVAL SOUGHT:

- ☐ SIA / FINANACIAL 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: 9/5/2002 BY: Ronald Wright

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 Plans:** Required for approval of Site Development Plans greater than five (5) acres
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.

9/9/02 - CD to Pugh's; 10/7 - Sent letter dated 9/9; - 10/12  
Mentioned words of Certification  
being done in subject portion of  
letter.

# TIERRA WEST, LLC

8509 Jefferson NE  
Albuquerque, NM 87113

(505) 858-3100  
fax (505) 858-1118

twllc@tierrawestllc.com  
1-800-245-3102

September 5, 2002

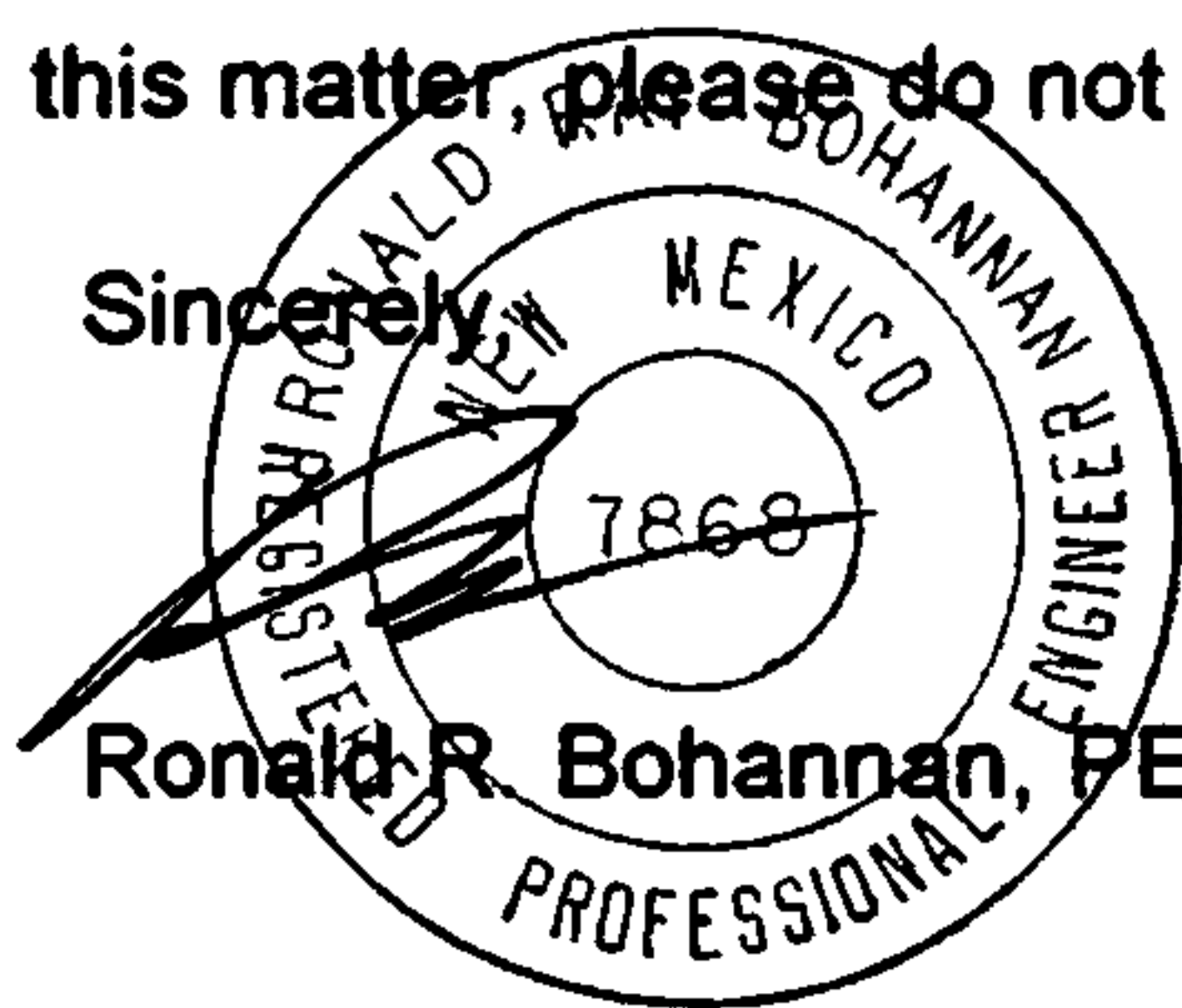
Mr. Mike Zamora  
Public Works Department  
City of Albuquerque  
PO Box 1293  
Albuquerque, NM 87103

**RE: Final Certification of Transportation for Certificate of Occupancy  
Wal-mart Expansion Store #835-02, 400 Eubank Boulevard NE**

Dear Mr. Zamora:

We are requesting a Final Certification of Transportation for Certificate of Occupancy. Enclosed please find one copy of the as-built Amended Site Plan (Traffic Circulation Plan) and Site Plan for Subdivision for the Wal-Mart Expansion located at 400 Eubank Boulevard. Jaynes Corporation has completed the on-site paving, curb and gutter, and parking lot striping. Landscaping for the site is complete. All work is in substantial compliance with the approved plans. As-built information was field verified by our office. We are, therefore, requesting Final Certification of Transportation for Final Certificate of Occupancy.

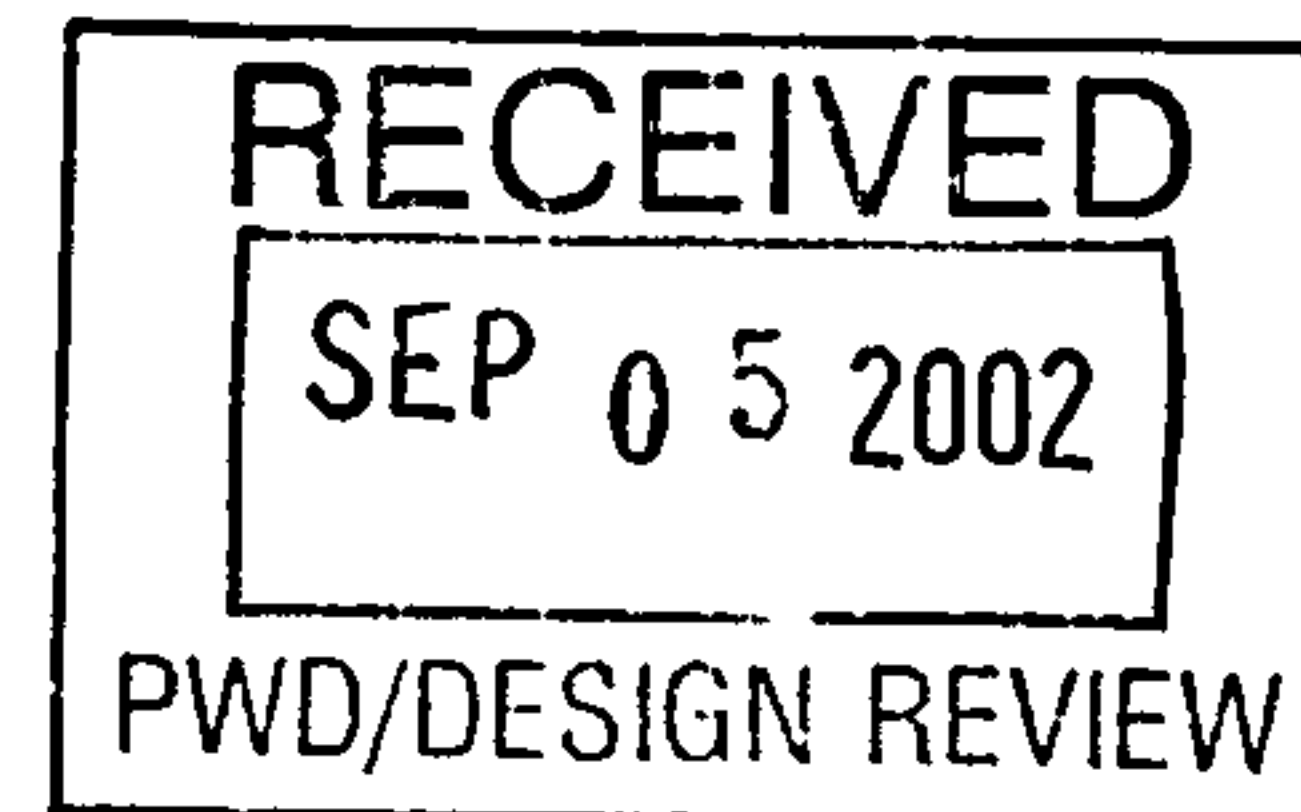
If you have any questions regarding this matter, please do not hesitate to call me.



Enclosures

cc: Mark Strong

JN: 990029W  
RRB:rw



9929W -Final CO Transportation ltr