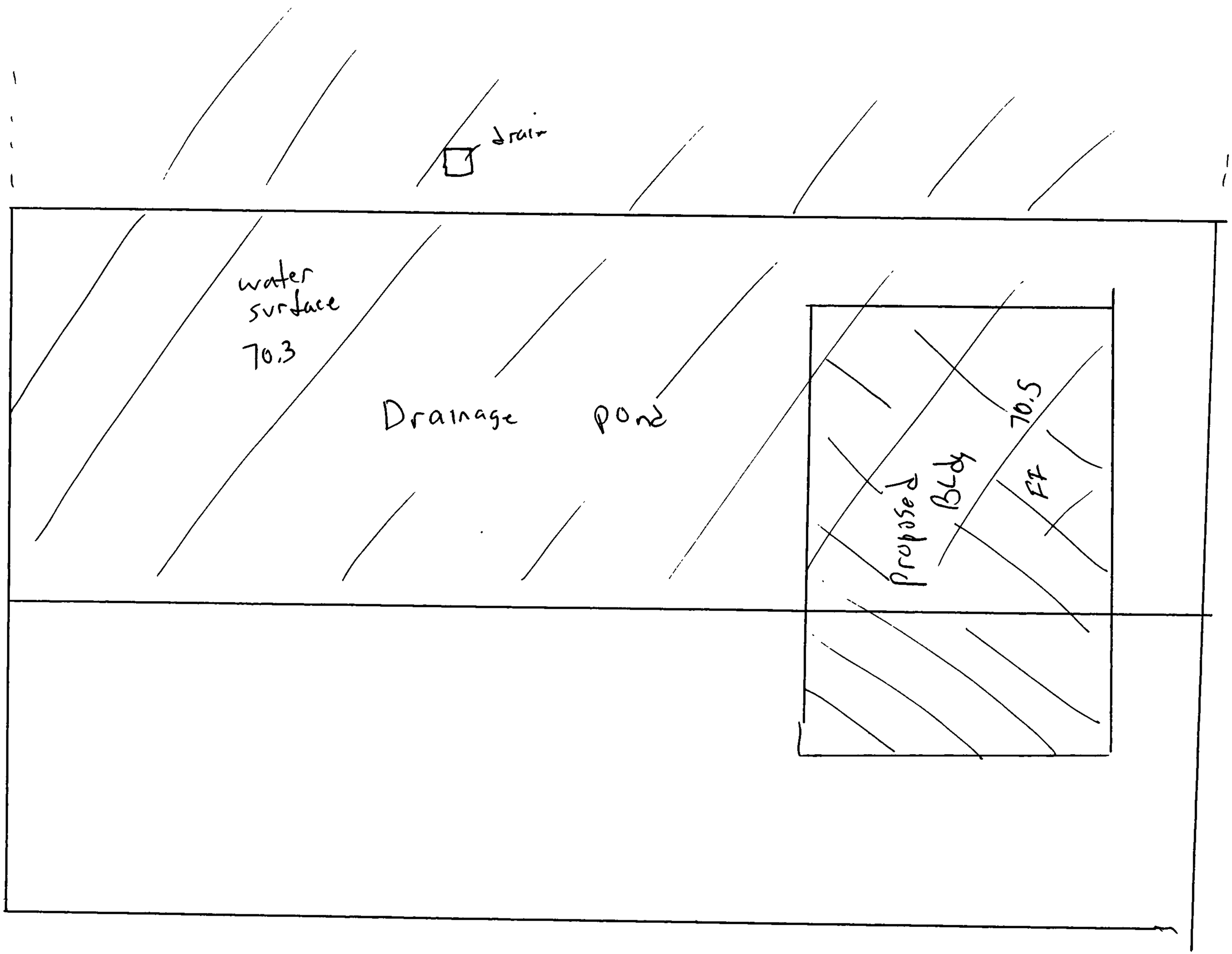
drain
water surface
70.3
Drainage pond
Proposed Bldg
70.5
FF
Eubank Blvd

ENVIRONMENTAL PLANNING COMMISSION
AGENDA

Thursday, June 12, 2014
8:30 a.m.

Plaza Del Sol Hearing Room, Lower Level
600 2nd Street NW

MEMBERS

Peter Nicholls, Chair
James Peck, Vice-Chair

Maia Mullen
Bill McCoy
Karen Hudson
Victor Beserra
Moises Gonzalez
Patrick Griebel
Derek Bohannan

****

NOTE: A LUNCH BREAK AND/OR DINNER BREAK WILL BE ANNOUNCED AS NECESSARY

Agenda items will be heard in the order specified unless changes are approved by the EPC at the beginning of the hearing; deferral and withdrawal requests (by applicants) are also reviewed at the beginning of the hearing. Applications with no known opposition that are supported by the Planning Department are scheduled at the beginning of the agenda; these cases are noted with an asterisk (*). Applications deferred from a previous hearing are normally scheduled at the end of the agenda.

There is no set time for cases to be heard. However, interested parties can monitor the progress of the hearing by calling the Planning Department at **924-3860**. All parties wishing to address the Commission must sign-in with the Commission Secretary at the front table prior to the case being heard. Please be prepared to provided brief and concise testimony to the Commission if you intend to speak. **In the interest of time, presentation times are limited as follows, unless otherwise granted by the Commission Chair: Staff – 5 minutes; Applicant – 10 minutes; Public speakers – 2 minutes each. An authorized representative of a recognized neighborhood association or other organization may be granted additional time if requested. Applicants and members of the public with legal standing have a right to cross-examine other persons speaking per Rule B.12 of the EPC Rules of Conduct.**

All written materials – including petitions, legal analysis and other documents – should ordinarily be submitted at least 10 days prior to the public hearing, ensuring presentation at the EPC Study Session. The EPC strongly discourages submission of written material at the public hearing. Except in extraordinary circumstances, the EPC will not consider written materials submitted at the hearing. In the event the EPC believes that newly submitted material may influence its final decision, the application may be deferred to a subsequent hearing.

NOTE: ANY AGENDA ITEMS NOT HEARD BY 8:30 P.M. MAY BE DEFERRED TO ANOTHER HEARING DATE AS DETERMINED BY THE PLANNING COMMISSION.

1. Call to Order:

- Grades note it unique?

A. Pledge of Allegiance
B. Announcement of Changes and/or Additions to the Agenda
C. Approval of Amended Agenda
D. Swearing in of City Staff

- review, drawing plan for plat approval

2. Project# 1005135
14EPC-40026 Text Amendment to the Barelas Sector Development Plan

City of Albuquerque Planning Department, agent for the City of Albuquerque, requests the above action to the Barelas Sector Development Plan, located between Coal Avenue, Alcalde Place, Commercial Street, Avenida Cesar Chavez and the Albuquerque riverside drain.
Staff Planner: Maryellen Hennessy
DEFERRED FROM MAY 8th HEARING

3. Project# 1001580
14EPC-40030 Zone Map Amendment (Zone Change)
14EPC-40031 Site Development Plan for Building Permit

Robert Lucero, Rodey Law Firm, agent for Roybal-Mac Law PC, requests the above actions for Lot 1-A, Block 6, Plat of Lot 1-A, Block 6-Albright Moore Addition, zoned SU-2 for SR to "SU-2 for SU-1 for Residential, Law Office, Court Reporter, Accountant, Architect, Engineer and/or Doctor Office", located on the southeast corner of 6th Street and Kinley Avenue NW, containing approximately 0.08 acres. (J-14)
Staff Planner: Catalina Lehner

4. Project# 1010058
14EPC-40028 Site Development Plan for Building Permit
14 EPC -40034 Amend Site Development Plan for Subdivision

Darren Sowell Architrcts, agent for Ken Hurt, requests the above actions for all or a portion of lot 5A, Bosque Plaza zoned C-1 (SC), located on Bosque Plaza NW, east of Coors Blvd. NW and south of La Orilla Rd NW, containing approximately 0.43 acre. (E-12)
Staff Planner: Maggie Gould

5. Project# 1000897
14EPC-40025 Zone Map Amendment (Zone Change)
14EPC-40027 Site Development Plan for Building Permit

Continuance for 30 days

Joshua Skarsgard, agent for Red Shamrock Investments LLC, requests the above actions for a portion of Tract B1-A Plat for Video Addition Tracts B1-A and B1-B, zoned SU-2/EG-C to "SU-1 for C-1 Uses-Restaurant with Drive-up Service Window", located on Eubank Blvd. SE, between Central Ave. and Southern Ave. SE, containing approximately 11.6 acres. (L-21)
Staff Planner: Catalina Lehner
DEFERRED FROM MAY 8th HEARING

6. OTHER MATTERS:

A. Approval of May 8, 2014 Minutes.

"Chairman" chair - Commissioner
councilor X
"Mr. Chairman - Commissioner"

7. ADJOURNED

Cherne, Curtis

From: Cherne, Curtis
Sent: Tuesday, May 27, 2014 11:05 AM
To: 'Evan Fischgrund'
Cc: 'Bob Hatch'; Troy Kelts
Subject: RE: Chick-fil-A Eubank Boulevard - Grading & Drainage

Evan,
After discussing this project and reviewing the plan. The concept is acceptable as long as you explain the volume neutral concept, the overall discharge rate is acceptable and the orifice plate is shown on the plan.

Curtis

From: Evan Fischgrund [mailto:evan.fischgrund@merrick.com]
Sent: Wednesday, May 21, 2014 9:00 AM
To: Cherne, Curtis
Cc: 'Bob Hatch'; Troy Kelts
Subject: RE: Chick-fil-A Eubank Boulevard - Grading & Drainage

Curtis,

Thank you for taking the time to discuss the Chick-fil-A @ Eubank Boulevard last month. Chick-fil-A has been working through a few different site layout options, while discussing these options directly with the City planning department.

In the meantime, I have worked up a few ponding options for the proposed Chick-fil-A site. Each option was designed with the City's requirement to not raise the water surface elevation, but most importantly, maintain the same volume of parking lot ponding/detention on our site (from the pre development condition).

Do you have some time today to discuss the ponding options? I have attached Chick-fil-A's preferred option and we can go into more detail during our call. I am free any time before 3pm (MST).

Thank you in advance for your time.

Evan Fischgrund
Merrick & Company
5970 Greenwood Plaza Blvd.
Greenwood Village, Colorado 80111
Direct: *303-353-3626* ***Cell:*** *516-972-2023*
Main: *303-751-0741* ***Fax:*** *303-752-4451*
www.merrick.com

From: Evan Fischgrund
Sent: Wednesday, April 23, 2014 3:36 PM
To: Cherne, Curtis
Cc: Bob Hatch; Troy Kelts
Subject: RE: Chick-fil-A Eubank Boulevard - Grading & Drainage

Curtis,

Thank you for forwarding this information along.

As discussed, I will let you know our progress as we continue with the design.

Evan Fischgrund
Merrick & Company
5970 Greenwood Plaza Blvd.
Greenwood Village, Colorado 80111
Direct: *303-353-3626* ***Cell:*** *516-972-2023*
Main: *303-751-0741* ***Fax:*** *303-752-4451*
www.merrick.com

From: Cherne, Curtis [mailto:CCherne@cabq.gov]
Sent: Wednesday, April 23, 2014 2:32 PM
To: Evan Fischgrund
Cc: Bob Hatch; Troy Kelts
Subject: RE: Chick-fil-A Eubank Boulevard - Grading & Drainage

Evan,
Thank you for taking the time to speak with me today concerning the Chick-fil-A on Eubank.
I have attached two documents; one shows the water surface elevation form the grading and drainage plan in NAVD29 and the other one is a summary from the drainage report. This site is in Basin B.
The average conversion from NAVD29 to NAVD88 is adding 2.7 feet. The conversion may be slightly different if the specific lat/long were input.

The engineering firm for the Home Depot was Tierra West.
As mentioned in our discussion, the water surface elevation should not be increased. You should also most likely drain to the existing inlet as there is an orifice plate installed in it to restrict the flow.

Curtis

From: Evan Fischgrund [mailto:evan.fischgrund@merrick.com]
Sent: Monday, April 14, 2014 5:00 PM
To: Cherne, Curtis
Cc: Bob Hatch; Troy Kelts
Subject: Chick-fil-A Eubank Boulevard - Grading & Drainage

Curtis,

I believe my contact information was forwarded along to you late last week but I figured it couldn't hurt to send a formal email over.

I have reattached our preliminary grading plan for your convenience. If you have any questions or would like to discuss the drainage requirements for our construction documents, please do not hesitate to call me to discuss further.

Thank you in advance for your time!

Evan Fischgrund
Merrick & Company
5970 Greenwood Plaza Blvd.
Greenwood Village, Colorado 80111
Direct: *303-353-3626* ***Cell:*** *516-972-2023*
Main: *303-751-0741* ***Fax:*** *303-752-4451*
www.merrick.com

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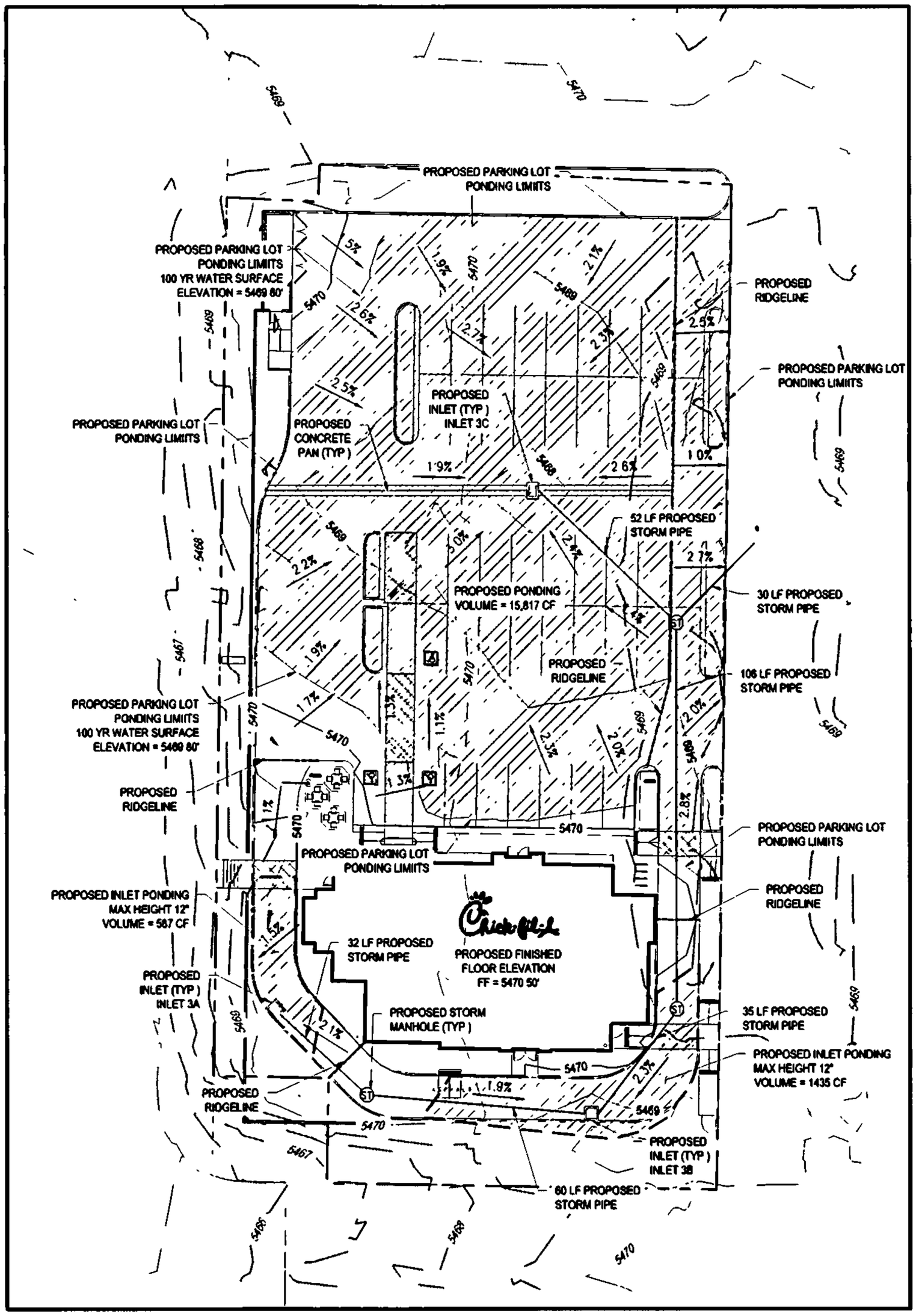
50' 0 25' 50' 100'

GRAPHIC SCALE



GRADING LEGEND:

- PROPERTY LINE
- 5460 PROPOSED MAJOR CONTOUR
- 5461 PROPOSED MINOR CONTOUR
- -5460- EXISTING MAJOR CONTOUR
- -5461- EXISTING MINOR CONTOUR
- 1.5% SLOPE ARROWS

PONDING SUMMARY

EXISTING PONDING = 17,766 CF

PROVIDED PONDING

1. PONDING IN LOT = 15,817 CF
2. INLET PONDING - MAX DEPTH 12"
   - 2.1. INLET 3A - 587 CF
   - 2.2. INLET 3B - 1435 CF
3. PIPE CAPACITY - 315 LF OF PIPE
   - 3.1. IF 18" PIPE, 558 CF
   - 3.2 IF 24" PIPE, 989 CF

TOTAL VOLUME PROVIDED : 18,397 CF

NO ADDITIONAL UNDERGROUND DETENTION REQUIRED WITH OPTION 3A

MERRICK PROJECT NO.	65118257
DRAWN	EF
CHECK	TDK

MERRICK® & COMPANY

CHICK-FIL-A #3235 - CENTRAL & EUBANK ALBUQUERQUE, CO

DATE: MAY 15, 2014

PONDING OPTION 3A

Cherne, Curtis

From: Yvette Tovar <yvette.tovar@nmwatercollaborative.org>
Sent: Tuesday, May 20, 2014 10:23 AM
To: Cherne, Curtis
Cc: 'Richard Jennings'; hamid.fakhrai@nmwatercollaborative.org
Subject: RE: sawmill pond mod

Hello Curtis,
Thank you for sending the letter. I reviewed my notes from our meeting and have two inquiries. One, in our meeting you mentioned including in the letter language about not needing a building permit for construction, and two, Richard's request to specifically mention the water quantity information as it pertained to planting at the bottom of the pond(and you're approval of this). I hope this makes sense.

If you could revise your letter to include those two items I think we'll have a strong letter on record and to proceed with the adjusted setback from NMED for planting at the bottom of the pond.

Thanks again for your time and support of this project. Your support is important and greatly appreciated.

Yvette Tovar
Executive Director

The New Mexico Water Collaborative
1751 Bellamah NW, #1101
Albuquerque, NM 87104

505-563-0615
www.nmwatercollaborative.org

-----Original Message-----
From: Cherne, Curtis [mailto:CCherne@cabq.gov]
Sent: Thursday, May 15, 2014 9:32 AM
To: yvette.tovar@nmwatercollaborative.org
Subject: sawmill pond mod

Yvette,
I wrote in the letter that if water accumulates up to 0.5 acre feet, a modification may be required. I felt 0.5 acre-feet was generous. Let me know if you have any questions.

Curtis

DRAINAGE REPORT FOR

ALBUQUERQUE II

HOME DEPOT

Prepared for:

HOME DEPOT
C/O GREENBERG FARROW
17941 FITCH ROAD - SECOND FLOOR
IRVINE, CA 92714

Prepared by:

Tierra West Development Management Services
4600 Montgomery Boulevard, NE, Suite 3
Albuquerque, New Mexico 87109
(505) 883-7592

April 28, 1994

I certify this report was prepared under my supervision,
and I am a registered professional engineer in
the State of New Mexico in good standing.

Ronald R. Bohannan, P. E. No 7868

RECEIVED
MAY - 5 1994

K

KEMPER-VAUGHAN
CONSULTING ENGINEERS

Kim R. Kemper, P.E.

3700 COORS ROAD N.W.
ALBUQUERQUE, N.M 87120
(505) 831-4520

V

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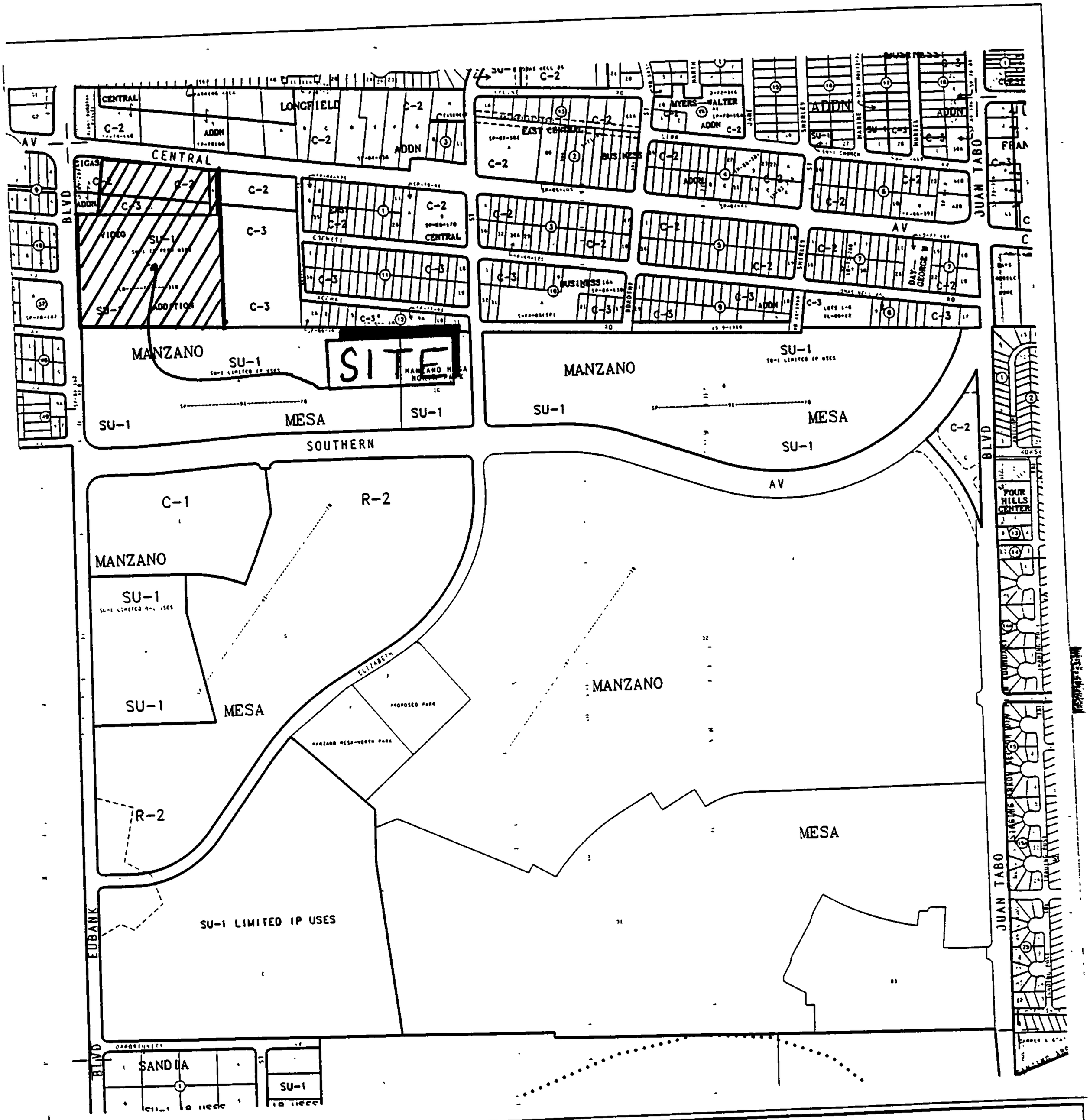
MAP POCKET

Grading And Drainage Plan


CENTRAL
LONGFIELD
C-2
ADDN
AV
BLVD
C-3
SU-1
ADDITION
SITE
MANZANO
MESA
SOUTHERN
EAST CENTRAL
BUSINESS
MYERS-WALTER
JUAN TABO
DAY-GEORGE
C-1
R-2
EUBANK
SU-1 LIMITED IP USES
ELIZABETH
PROPOSED PARK
MANZANO MESA-NORTH PARK
SANDIA
FOUR HILLS CENTER
Interstate 25
Interstate 40
River
North
Scale. 1" = 750'
750
375
0
750
LEGAL DESCRIPTION
T10N
R4E
SEC 28
UNIFORM PROPERTY CODE
1-021-056
L-21-Z
Albuquerque Geographic Information System
City of Albuquerque
© Planning Department July 04, 1993

DRAINAGE REPORT

LEGAL DESCRIPTION

The site is Tract A and B of Video Addition and parcels 1, 2 and 3, of the Way John Survey, filed for record in the County Clerk of Bernalillo County, New Mexico on June 5, 1991 in Volume 91C, Folio 112, containing 16.3802 acres (Zone Map L-21) which lies at the southeast corner of Eubank Boulevard and Central Avenue. The site does not lie within designated Flood Hazard Zone.

PURPOSE AND SCOPE

This Tract is proposed to be built in three phases. Phase I is Retail Development Center and will include a new building, garden center, and paved parking. Phase II will include two future pad and extra parking spaces. Phase III will include another pad and more parking spaces.

DESIGN CRITERIA

The hydrological aspects of the site were evaluated using AMAFCA's AHYMO program according to guidelines presented in the City of Albuquerque DPM, Section 22.2 (January 1993).

OFF-SITE DRAINAGE

The only off-site run-off impact includes the run-off from the east side of the Tract, which is prevented by an existing wall and drained around the south side of the lot to Eubank Boulevard. All of the off-site flows will surface flow or drain through a drainage system to the exiting 54" storm drainage pipe on Eubank Boulevard and a 84" storm drainage pipe on Central Avenue.

ON-SITE DRAINAGE

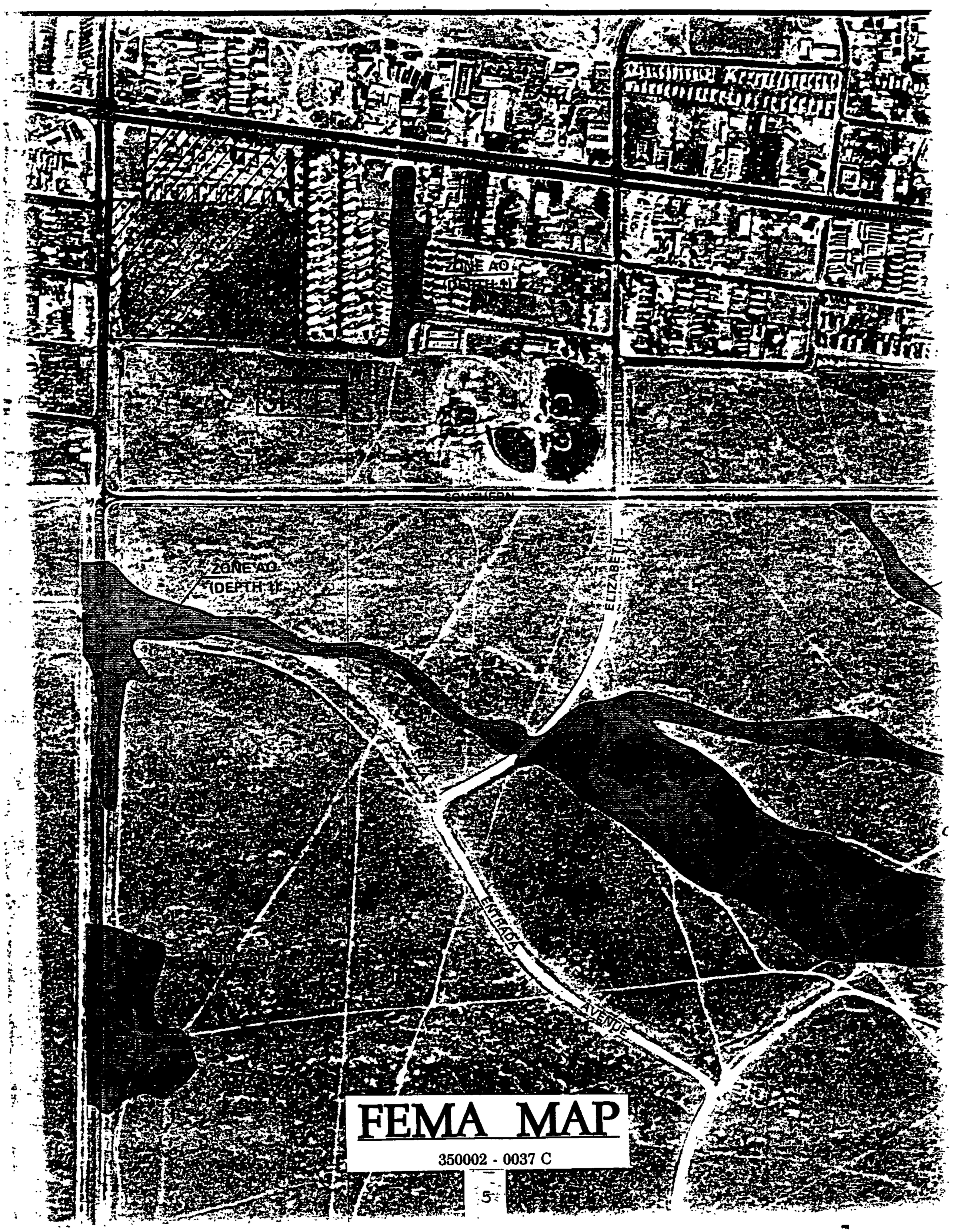
A portion of this Tract is an existing Mobile Home Park that is partly vacated as part of Phase I construction, and all the Mobile Home Park will be vacated as Phase II and III goes under construction. The runoff from this Mobile Home Park is drained to an existing 84" storm drainage pipe on Central Avenue.

Based on the new development proposal, the entire is Tract is proposed to drain, through a series of catch basins and via surface flow, to the west side of the Tract where it will be ponded and released to an existing storm drain manhole. The site

is divided in two different Basins, A and B, with a fully developed runoff of 78.16 cfs.

Basin A, with a runoff of 24.45 cfs will be ponded on the west side of the basin and released at a rate of 0.77 cfs, creating a ponding water surface elevation of 67.41'. The runoff from Basin A is to drain through catch basin 2 to catch basin 1 on Basin B.

Basin B, with a runoff of 53.71 cfs and the runoff from basin A of 0.77 cfs, totaling 54.48 cfs which is ponded on site and released at a rate of 3.05 cfs creating a ponding water surface elevation of 67.60'. Runoff from Basin b drains to an existing storm sewer manhole on Eubank Boulevard where it drains into a 54" storm sewer manhole.



FEMA MAP

350002 - 0037 C

SAMPLE CALCULATIONS FOR BASIN A

The site is @ Zone 3, From Fig. A, Pg. 2, DPM Section 22.2

Basin A, Area = 5.1161 acres.

PROPOSED LAND TREATMENT:

90% D, 10% B

DEPTH (INCHES) @ 100-YEAR STORM:

P_{60} = 2.14 inches, P_{360} = 2.60 inches, P_{1440} = 3.10 inches

DEPTH (INCHES) @ 10-YEAR STORM:

P_{60} = 2.14 x 0.667 = 1.43 inches, P_{360} = 1.73, P_{360} = 2.07

TIME OF CONCENTRATION:

T_c = 12 min
T_p = ⅔T_c = ⅔*12 = 8 min = 0.1333 hr

$Q_{p\text{-}100yr}$ = 24.45 cfs, Vol. = 0.943 AC-FT
$Q_{p\text{-}10yr}$ = 15.94 cfs, Vol. = 0.589 AC-FT

TABLE 1.

UNDER EXISTING CONDITIONS

DRAINAGE BASIN	AHYMO NO	Qp-100YR (CFS)	V-RUNOFF (AC-FT)	AHYMO NO	Qp-10YR (CFS)	V-RUNOFF (AC-FT)
A	102.10	13.29	0.393	104.10	5.97	0.152
B	102.20	29.19	0.863	104.20	13.12	0.333

UNDER PROPOSED CONDITIONS

DRAINAGE BASIN	AHYMO NO	Qp-100YR (CFS)	V-RUNOFF (AC-FT)	AHYMO NO	Qp-10YR (CFS)	V-RUNOFF (AC-FT)
A	101.10	24.45	0.943	103.10	15.94	0.589
B	101.20	53.71	2.072	103.20	35.02	1.294

DRAINAGE BASIN	FLOW OUT OF POND	ORIFICE PLATE SIZE ON PIPE COMING OUT OF BASIN
A	0.77	4"
B	3.05	8"

PIPE SIZING

A computer program, which uses mannings equation, is used to check the capacity of the drainage pipes used.

$$Q = \frac{1.486}{n} A R^{\frac{2}{3}} S^{\frac{1}{2}}$$

See attached program output for a 36" RCP pipe which drains the runoff from catch basin 1 to existing storm sewer manhole.

The attached Table 2 includes the information on the drainage pipes connecting the catch basins, and Table 3 which includes the catch basin information.

Circular Channel Analysis & Design
Solved with Manning's Equation

Open Channel - Uniform flow

Worksheet Name: STORM PIPE

Comment: PIPE SIZE FROM CB 1 TO EXITING STORM MH

Solve For Actual Depth

Given Input Data:

Diameter.....	3.00 ft
Slope.....	0.0164 ft/ft
Manning's n.....	0.012
Discharge.....	78.16 cfs

Computed Results:

Depth.....	2.11 ft
Velocity.....	14.68 fps
Flow Area.....	5.32 sf
Critical Depth....	2.75 ft
Critical Slope....	0.0102 ft/ft
Percent Full.....	70.48 %
Full Capacity.....	92.53 cfs
QMAX @.94D.....	99.54 cfs
Froude Number.....	1.85 (flow is Supercritical)

Open Channel Flow Module, Version 3.12 (c) 1990
Haestad Methods, Inc. * 37 Brookside Rd * Waterbury, Ct 06708

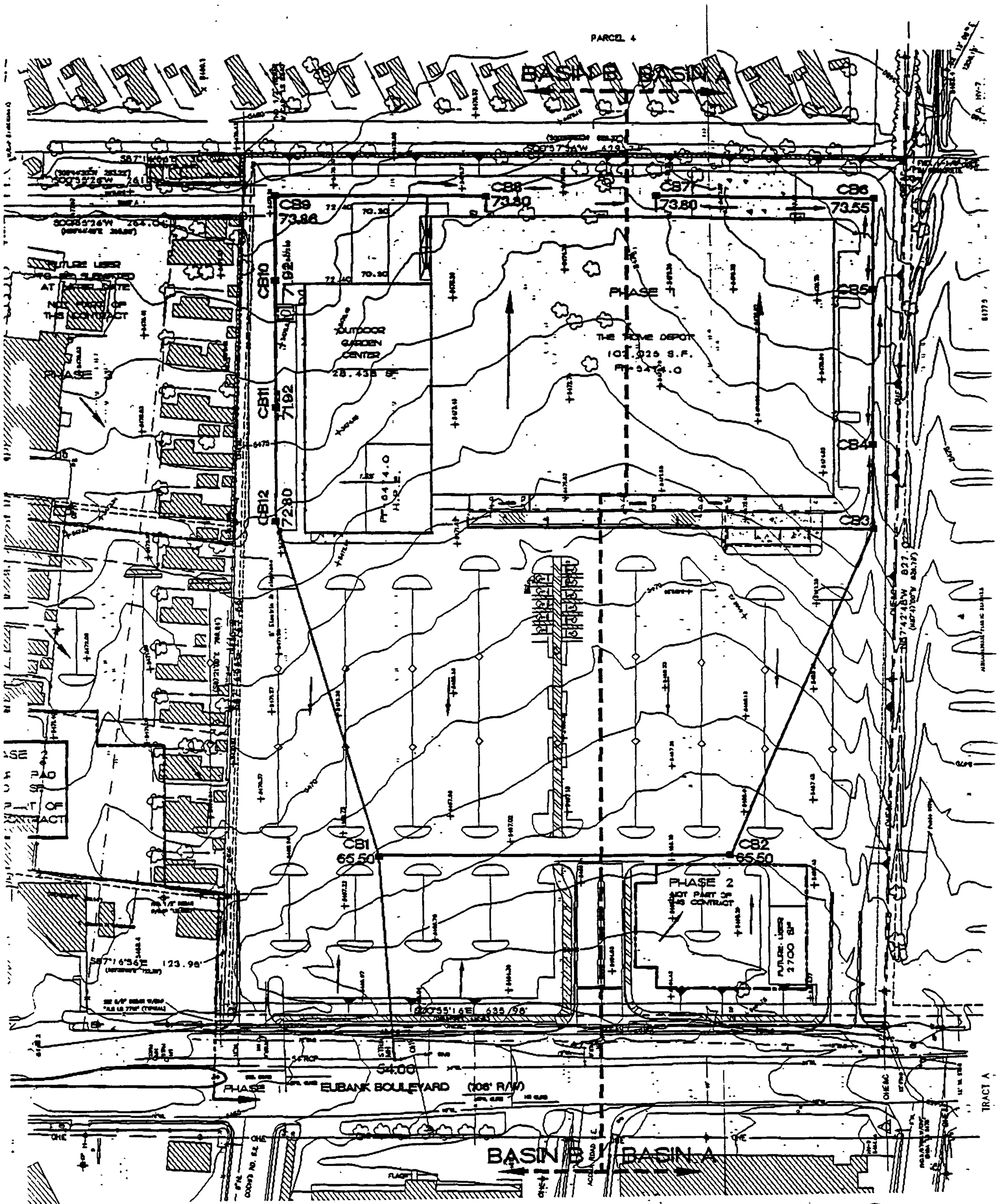
TABLE 2.

CATCH BASIN CONNECTIONS	L. F.	PIPE USED	SLOPE
Route 1			
CB 8 TO 9	200.00	18"–PVC	1.00 %
CB 9 TO 10	81.73	18"–PVC	1.00 %
CB 10 TO 11	120.00	18"–PVC	1.00 %
CB 11 TO 12	108.27	18"–PVC	1.00 %
CB 12 TO 1	330.20	18"–PVC	1.481 %
CB 1 TO MH	194.38	36"–RCP	1.00 %
Route 2			
CB 7 TO 6	210.00	18"–PVC	1.00 %
CB 6 TO 5	87.50	18"–PVC	1.00 %
CB 5 TO 4	147.50	18"–PVC	1.00 %
CB 4 TO 3	81.00	18"–PVC	1.00 %
CB 3 TO 2	338.00	18"–PVC	1.00 %
CB 2 TO 1	338.00	24"–RCP	1.00 %

TABLE 3.

CATCH BASIN	GRATE (FT)	INV. IN (FT)	INV. OUT (FT)
B1	65.50	57.28	57.18
B2	65.50	60.76	60.66
B3	73.34	62.24	62.14
B4	73.55	65.15	65.05
B5	73.55	66.73	66.63
B6	73.55	67.70	67.6
B7	73.80	69.80	69.7
B8	73.80	67.77	67.67
B9	73.86	65.67	65.57
B10	72.20	64.75	64.65
B11	72.20	63.45	63.35
B12	72.20	62.27	62.17

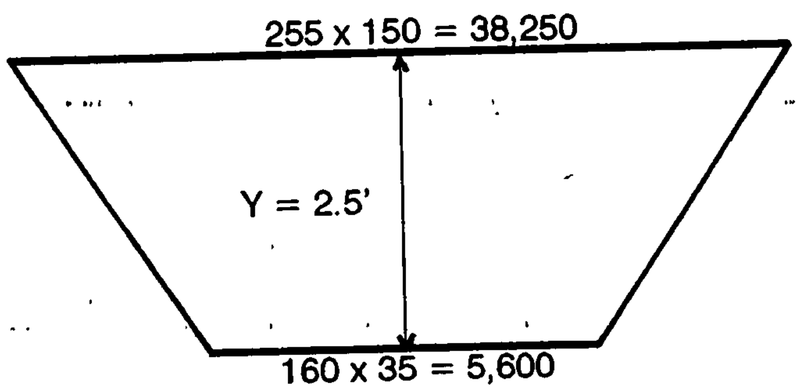
See "Catch Basin Locations" sheet for catch basin locations.



CATCH BASIN LOCATIONS

VOLUME OF THE POND

@ BC 2



[38250 – 5600] / 2.5 = 13060.00 SF / FT

FOR EXAMPLE:

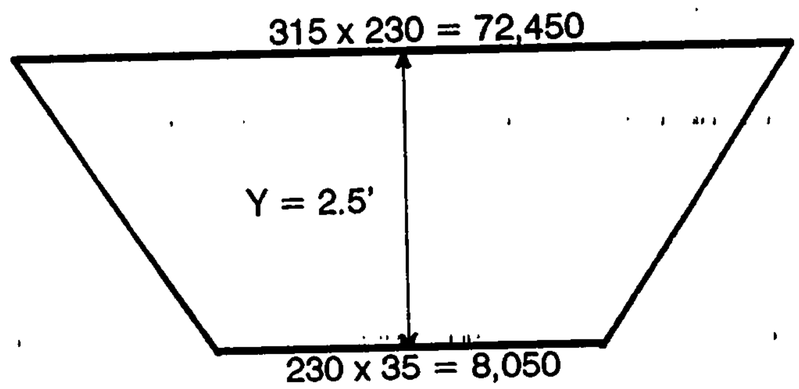
@ Y = 1.5

Cross–sectional Area = 5600 + 13060 * 1.5 = 25190.00 SF
Volume = [(5600 + 13060) / 2] * 1.5 = 23092.50 CF

TABLE 4

depth	area SF	volume CF	volume AC–FT
0.25	8865.00	1808.13	0.04151
0.50	12130.00	4432.50	0.10176
0.75	15395.00	7873.13	0.18074
1.00	18660.00	12130.00	0.27847
1.25	21925.00	17203.13	0.39493
1.50	25190.00	23092.50	0.53013
1.75	28455.00	29798.13	0.68407
2.00	31720.00	37320.00	0.85675

@ BC 1



[72450 – 8050] / 2.5 = 25760.00 SF / FT

FOR EXAMPLE:

@ Y = 1.5

Cross–sectional Area = 8050 + 25760 * 1.5 = 46690.00 SF
Volume = [(46690 + 8050) / 2] * 1.5 = 41055.00 CF

TABLE 5

depth	area SF	volume CF	volume AC–FT
0.25	14490.00	2817.50	0.06468
0.50	20930.00	7245.00	0.16632
0.75	27370.00	13282.50	0.30492
1.00	33810.00	20930.00	0.48048
1.25	40250.00	30187.50	0.69301
1.50	46690.00	41055.00	0.94249
1.75	53130.00	53532.50	1.22893
2.00	59570.00	67620.00	1.55234
2.25	66010.00	83317.50	1.91270

```
** **
***** Drainage Calculation for HOME DEPOT.
   ** BASIN A - 100YR, FUTURE
   **
   RT                TIME=0.0
RAINFALL             TYPE=1 RAIN QUARTER=0.0 IN
                     RAIN ONE=2.14 IN RAIN SIX=2.60 IN
                     RAIN DAY=3.10 IN DT=0.03333 HR
   PUTE NM HYD       ID=1 HYD NO=101.1 AREA=0.007994 SQ MI
                     PER A=0.00 PER B=10.00 PER C=0.00 PER D=90.00
                     TP=0.1333 HR MASS RAINFALL=-1
   INT HYD           ID=1 CODE=1
   ***
   *** CHECKING THE PONDIG ON BASIN "A" USING AN 3" ORFICE PLATE
*****
   UTE RESERVOIR     ID=2 HYD NO=501.1 INFLOW ID=1 CODE=24
                     OUTFLOW(CFS)      STORAGE(AC-FT)  ELEVATION(FT)
                          0.0000            0.00000         65.50
                          0.2801            0.04151         65.75
                          0.3962            0.10176         66.00
                          0.4852            0.18074         66.25
                          0.5602            0.27847         66.50
                          0.6264            0.39493         66.75
                          0.6862            0.53013         67.00
                          0.7411            0.68407         67.25
                          0.7923            0.85675         67.50
  INT HYD            ID=2 CODE=1
  ***
***** BASIN A - 100YR, EXISTING
  ***
  ART                TIME=0.0
  MPUTE NM HYD       ID=1 HYD NO=102.1 AREA=0.007994 SQ MI
                     PER A=0.00 PER B=100.00 PER C=0.00 PER D=0.00
                     TP=0.1333 HR MASS RAINFALL=-1
  RINT HYD           ID=1 CODE=1
  ****
  **** BASIN B - 100YR, FUTURE
*****
  TART               TIME=0.0
  OMPUTE NM HYD      ID=1 HYD NO=101.2 AREA=0.017568 SQ MI
                     PER A=0.00 PER B=10.00 PER C=0.00 PER D=90.00
                     TP=0.1333 HR MASS RAINFALL=-1
 PRINT HYD           ID=1 CODE=1
  ****
  **** ADDING BASIN B AND OUTFLOW FROM BASIN A TO B.
  ****
 ADD HYD             ID=3 HYD 101.3 ID=1 ID=2
  ****
  **** CHECKING THE PONDIG ON BASIN "B" USING AN 8" ORFICE PLATE
  ****
 ROUTE RESERVOIR     ID=2 HYD NO=502.1 INFLOW ID=3 CODE=24
                     OUTFLOW(CFS)      STORAGE(AC-FT)  ELEVATION(FT)
                          0.0000            0.00000         65.50
                          1.0516            0.06468         65.75
                          1.4871            0.16632         66.00
                          1.8214            0.30492         66.25
                          2.1031            0.48048         66.50
                          2.3514            0.69301         66.75
                          2.5758            0.94249         67.00
                          2.7822            1.22893         67.25
                          2.9743            1.55234         67.50
                          3.1547            1.91270         67.75
 PRINT HYD           ID=2 CODE=1
*****
***** BASIN B - 100YR, EXISTING
*****
 START               TIME=0.0
 COMPUTE NM HYD      ID=1 HYD NO=102.2 AREA=0.017568 SQ MI
                     PER A=0.00 PER B=100.00 PER C=0.00 PER D=0.00
                     TP=0.1333 HR MASS RAINFALL=-1
 PRINT HYD           ID=1 CODE=1
*****

**********************************************************************
*****
***** BASIN A - 10YR, FUTURE
*****
 START               TIME=0.0
 RAINFALL            TYPE=1 RAIN QUARTER=0.0 IN
                     RAIN ONE=1.43 IN RAIN SIX=1.73 IN
```

```
                    RAIN DAY=2.07 IN DT=0.03333 HR
COMPUTE NM HYD      ID=1 HYD NO=103.1 AREA=0.007994 SQ MI
                    PER A=0.00 PER B=10.00 PER C=0.00 PER D=90.00
                    TP=0.1333 HR MASS RAINFALL=-1
  NT HYD            ID=1 CODE=1
*****
***** BASIN A - 10YR, EXISTING
  ***
  ART               TIME=0.0
  MPUTE NM HYD      ID=1 HYD NO=104.1 AREA=0.007994 SQ MI
                    PER A=0.00 PER B=100.00 PER C=0.00 PER D=0.00
                    TP=0.13333 HR MASS RAINFALL=-1
  INT HYD           ID=1 CODE=1
  ***
*****
***** BASIN B - 10YR, FUTURE
  ***
  ART               TIME=0.0
  MPUTE NM HYD      ID=1 HYD NO=103.2 AREA=0.017568 SQ MI
                    PER A=0.00 PER B=10.00 PER C=0.00 PER D=90.00
                    TP=0.1333 HR MASS RAINFALL=-1
  INT HYD           ID=1 CODE=1
  ***
***** BASIN B - 10YR, EXISTING
*****
ART                 TIME=0.0
MPUTE NM HYD        ID=1 HYD NO=104.2 AREA=0.017568 SQ MI
                    PER A=0.00 PER B=100.00 PER C=0.00 PER D=0.00
                    TP=0.1333 HR MASS RAINFALL=-1
RINT HYD            ID=1 CODE=1
****
INISH
```

AHYMO SUMMARY TABLE (AHYMO392) - AMAFCA VERSION OF HYMO - MARCH, 1992 RUN DATE (MON/DAY/YR) =05/03/1994
INPUT FILE = AAA.DAT USER NO.= R_BOHANN.S92

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	NOTATION	
										TIME=	.00
START										RAIN6=	2.600
RAINFALL TYPE= 1										PER IMP=	90.00
COMPUTE NM HYD	101.10	-	1	.00799	24.45	.943	2.21184	1.500	4.779	AC-FT=	.796
ROUTE RESERVOIR	501.10	1	2	.00799	.77	.909	2.13105	2.566	.151	TIME=	.00
START										PER IMP=	.00
COMPUTE NM HYD	102.10	-	1	.00799	13.29	.393	.92096	1.500	2.597	TIME=	.00
START										PER IMP=	90.00
COMPUTE NM HYD	101.20	-	1	.01757	53.71	2.072	2.21184	1.500	4.777		
ADD HYD	101.30	1& 2	3	.02556	54.26	2.981	2.18657	1.500	3.317		
ROUTE RESERVOIR	502.10	3	2	.02556	3.05	2.963	2.17322	2.433	.186	AC-FT=	1.694
START										TIME=	.00
COMPUTE NM HYD	102.20	-	1	.01757	29.19	.863	.92096	1.500	2.596	PER IMP=	.00
START										TIME=	.00
RAINFALL TYPE= 1										RAIN6=	1.730
COMPUTE NM HYD	103.10	-	1	.00799	15.94	.589	1.38160	1.500	3.116	PER IMP=	90.00
START										TIME=	.00
COMPUTE NM HYD	104.10	-	1	.00799	5.97	.152	.35547	1.533	1.167	PER IMP=	.00
START										TIME=	.00
COMPUTE NM HYD	103.20	-	1	.01757	35.02	1.294	1.38159	1.500	3.115	PER IMP=	90.00
START										TIME=	.00
COMPUTE NM HYD	104.20	-	1	.01757	13.12	.333	.35547	1.533	1.167	PER IMP=	.00
FINISH											

```
 AHYMO PROGRAM (AHYMO392) - AMAFCA VERSION OF HYMO - MARCH, 1992
      RUN DATE (MON/DAY/YR) = 05/03/1994
      START TIME (HR:MIN:SEC) = 14:57:23     USER NO.= R_BOHANN.S92
      INPUT FILE = AAA.DAT

*****
***** Drainage Calculation for HOME DEPOT.
***** BASIN A - 100YR, FUTURE
*****
START           TIME=0.0
RAINFALL        TYPE=1 RAIN QUARTER=0.0 IN
                RAIN ONE=2.14 IN RAIN SIX=2.60 IN
                RAIN DAY=3.10 IN DT=0.03333 HR

                COMPUTED 6-HOUR RAINFALL DISTRIBUTION BASED ON NOAA ATLAS 2 - PEAK AT 1.40 HR.
                 DT =    .033330 HOURS       END TIME =    5.999400 HOURS
                    .0000   .0027   .0055   .0084   .0113   .0143   .0173
                    .0204   .0236   .0269   .0302   .0337   .0372   .0408
                    .0445   .0484   .0523   .0564   .0606   .0649   .0694
                    .0741   .0789   .0839   .0892   .0946   .1003   .1063
                    .1126   .1192   .1262   .1322   .1385   .1452   .1597
                    .1922   .2422   .3139   .4119   .5407   .7049   .9093
                   1.1588  1.3904  1.4871  1.5687  1.6414  1.7074  1.7683
                   1.8247  1.8775  1.9270  1.9735  2.0174  2.0589  2.0982
                   2.1354  2.1707  2.2041  2.2359  2.2661  2.2737  2.2807
                   2.2875  2.2939  2.3001  2.3060  2.3117  2.3172  2.3226
                   2.3277  2.3328  2.3376  2.3423  2.3470  2.3514  2.3558
                   2.3601  2.3643  2.3683  2.3723  2.3762  2.3801  2.3838
                   2.3875  2.3911  2.3947  2.3982  2.4016  2.4050  2.4083
                   2.4115  2.4147  2.4179  2.4210  2.4241  2.4271  2.4301
                   2.4330  2.4359  2.4388  2.4416  2.4444  2.4472  2.4499
                   2.4526  2.4553  2.4579  2.4605  2.4631  2.4656  2.4681
                   2.4706  2.4731  2.4755  2.4779  2.4803  2.4827  2.4850
                   2.4873  2.4896  2.4919  2.4942  2.4964  2.4986  2.5008
                   2.5030  2.5052  2.5073  2.5094  2.5115  2.5136  2.5157
                   2.5177  2.5198  2.5218  2.5238  2.5258  2.5277  2.5297
                   2.5317  2.5336  2.5355  2.5374  2.5393  2.5412  2.5430
                   2.5449  2.5467  2.5486  2.5504  2.5522  2.5540  2.5557
                   2.5575  2.5593  2.5610  2.5627  2.5645  2.5662  2.5679
                   2.5696  2.5713  2.5729  2.5746  2.5762  2.5779  2.5795
                   2.5811  2.5828  2.5844  2.5860  2.5876  2.5891  2.5907
                   2.5923  2.5938  2.5954  2.5969  2.5984  2.6000

COMPUTE NM HYD      ID=1 HYD NO=101.1 AREA=0.007994 SQ MI
                    PER A=0.00 PER B=10.00 PER C=0.00 PER D=90.00
                    TP=0.1333 HR MASS RAINFALL=-1

    K =   .072649HR    TP =   .133300HR    K/TP RATIO =   .545000    SHAPE CONSTANT, N =  7.106420
    UNIT PEAK =   28.405    CFS   UNIT VOLUME =    .9990      B =   526.28      P60 = 2.1400
    AREA =      .007195 SQ MI    IA =    .10000 INCHES    INF =    .04000 INCHES PER HOUR
    RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330

    K =   .133656HR    TP =   .133300HR    K/TP RATIO =  1.002670    SHAPE CONSTANT, N =  3.520804
    UNIT PEAK =   1.9301    CFS   UNIT VOLUME =    .9932      B =   321.84      P60 = 2.1400
    AREA =      .000799 SQ MI    IA =    .50000 INCHES    INF =   1.25000 INCHES PER HOUR
    RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330

PRINT HYD           ID=1 CODE=1

                              PARTIAL HYDROGRAPH   101.10

    RUNOFF VOLUME =     2.21184 INCHES     =        .9430 ACRE-FEET
    PEAK DISCHARGE RATE =      24.45 CFS  AT   1.500 HOURS   BASIN AREA =   .0080 SQ. MI.

*****
***** CHECKING THE PONDIG ON BASIN "A" USING AN 4" ORFICE PLATE
*****
ROUTE RESERVOIR     ID=2 HYD NO=501.1 INFLOW ID=1 CODE=24
                    OUTFLOW(CFS)     STORAGE(AC-FT)  ELEVATION(FT)
                        0.0000          0.00000         65.50
                        0.2801          0.04151         65.75
                        0.3962          0.10176         66.00
                        0.4852          0.18074         66.25
                        0.5602          0.27847         66.50
                        0.6264          0.39493         66.75
```

0.6862	0.53013	67.00
0.7411	0.68407	67.25
0.7923	0.85675	67.50

* * * * * * * * * * * * * * * * * *

TIME (HRS)	INFLOW (CFS)	ELEV (FEET)	VOLUME (AC-FT)	OUTFLOW (CFS)
.00	.00	65.50	.000	.00
.80	.00	65.50	.000	.00
1.60	16.88	66.83	.437	.64
2.40	1.12	67.41	.794	.77
3.20	.29	67.39	.779	.77
4.00	.20	67.34	.744	.76
4.80	.19	67.28	.707	.75
5.60	.20	67.23	.671	.74
6.40	.02	67.17	.632	.72
7.20	.00	67.09	.585	.71
8.00	.00	67.01	.539	.69
8.80	.00	66.93	.494	.67
9.60	.00	66.85	.450	.65
10.40	.00	66.77	.408	.63
11.20	.00	66.69	.367	.61
12.00	.00	66.60	.327	.59
12.80	.00	66.52	.289	.57
13.60	.00	66.43	.252	.54
14.40	.00	66.34	.218	.51
15.20	.00	66.26	.185	.49
16.00	.00	66.16	.153	.45
16.80	.00	66.07	.124	.42
17.60	.00	65.98	.098	.39
18.40	.00	65.88	.073	.34
19.20	.00	65.79	.052	.30

PEAK DISCHARGE = .774 CFS - PEAK OCCURS AT HOUR 2.57
MAXIMUM WATER SURFACE ELEVATION = 67.412
MAXIMUM STORAGE = .7957 AC-FT INCREMENTAL TIME= .033330HRS

PRINT HYD ID=2 CODE=1

OUTFLOW HYDROGRAPH RESERVOIR 501.10

RUNOFF VOLUME = 2.13105 INCHES = .9086 ACRE-FEET
PEAK DISCHARGE RATE = .77 CFS AT 2.566 HOURS BASIN AREA = .0080 SQ. MI.

*****
***** BASIN A - 100YR, EXISTING
*****
START TIME=0.0
COMPUTE NM HYD ID=1 HYD NO=102.1 AREA=0.007994 SQ MI
PER A=0.00 PER B=100.00 PER C=0.00 PER D=0.00
TP=0.1333 HR MASS RAINFALL=-1

K = .133656HR TP = .133300HR K/TP RATIO = 1.002670 SHAPE CONSTANT, N = 3.520804
UNIT PEAK = 19.301 CFS UNIT VOLUME = .9996 B = 321.84 P60 = 2.1400
AREA = .007994 SQ MI IA = .50000 INCHES INF = 1.25000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .033330

PRINT HYD ID=1 CODE=1

PARTIAL HYDROGRAPH 102.10

RUNOFF VOLUME = .92096 INCHES = .3926 ACRE-FEET
PEAK DISCHARGE RATE = 13.29 CFS AT 1.500 HOURS BASIN AREA = .0080 SQ. MI.

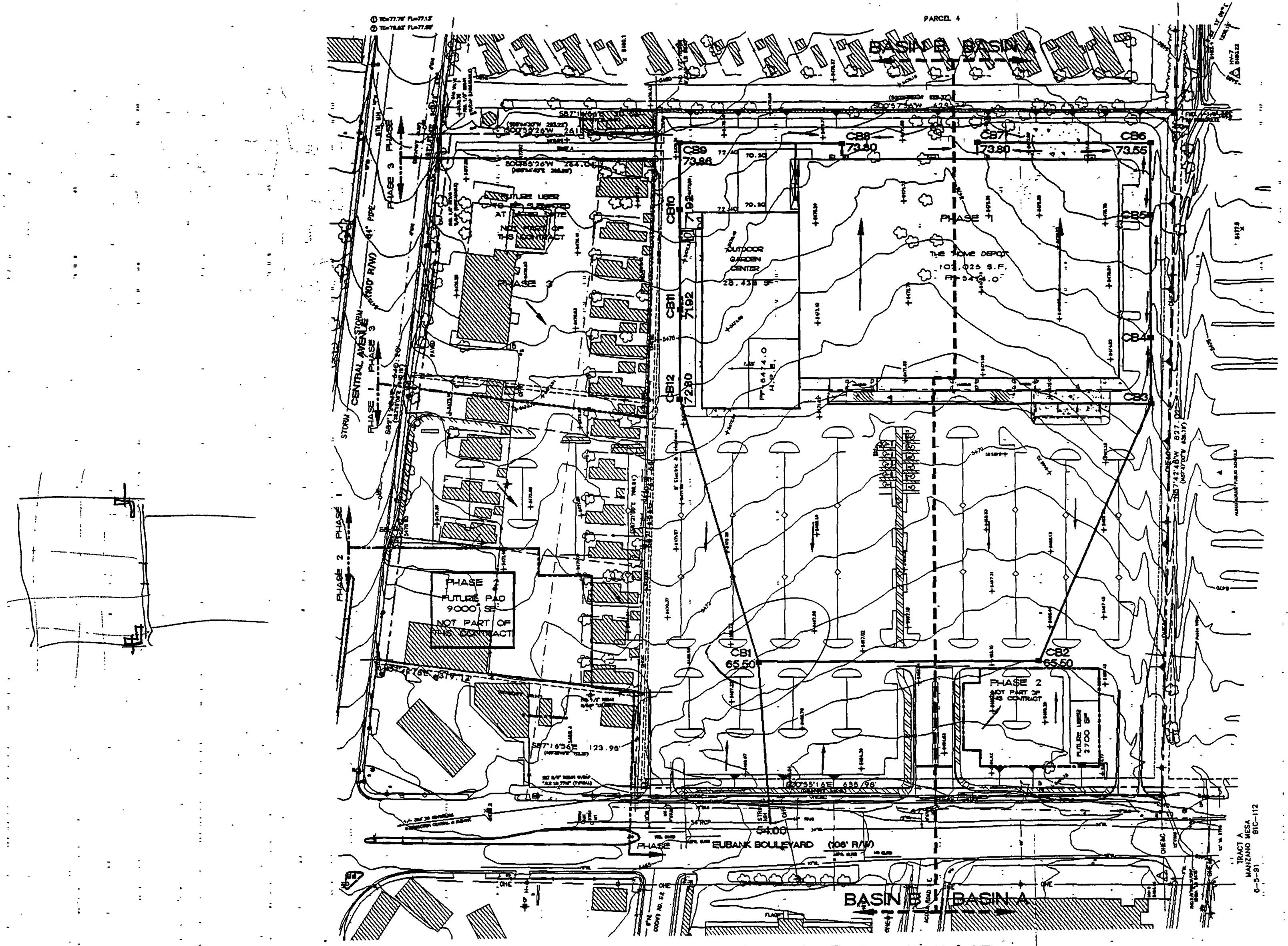
*****
***** BASIN B - 100YR, FUTURE
*****
START TIME=0.0
COMPUTE NM HYD ID=1 HYD NO=101.2 AREA=0.017568 SQ MI
PER A=0.00 PER B=10.00 PER C=0.00 PER D=90.00
TP=0.1333 HR MASS RAINFALL=-1

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

```
    UNIT PEAK =   62.423    CFS   UNIT VOLUME =    .9992       B =   526.28      P60 = 2.1400
    AREA =      .015811 SQ MI    IA =    .10000 INCHES    INF =    .04000 INCHES PER HOUR
    RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330


    K =   .133656HR    TP =   .133300HR    K/TP RATIO = 1.002670     SHAPE CONSTANT, N = 3.520804
    UNIT PEAK =   4.2417    CFS   UNIT VOLUME =    .9969       B =   321.84      P60 = 2.1400
    AREA =      .001757 SQ MI    IA =    .50000 INCHES    INF =   1.25000 INCHES PER HOUR
    RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330

PRINT HYD           ID=1 CODE=1

                                PARTIAL HYDROGRAPH   101.20


    RUNOFF VOLUME =     2.21184 INCHES     =       2.0724 ACRE-FEET
    PEAK DISCHARGE RATE =      53.71 CFS  AT   1.500 HOURS   BASIN AREA =    .0176 SQ. MI.


*****
***** ADDING BASIN B AND OUTFLOW FROM BASIN A TO B.
*****
ADD HYD             ID=3 HYD 101.3 ID=1 ID=2
*****
***** CHECKING THE PONDIG ON BASIN "B" USING AN 8" ORFICE PLATE
*****
ROUTE RESERVOIR     ID=2 HYD NO=502.1 INFLOW ID=3 CODE=24
                    OUTFLOW(CFS)      STORAGE(AC-FT)  ELEVATION(FT)
                         0.0000           0.00000          65.50
                         1.0516           0.06468          65.75
                         1.4871           0.16632          66.00
                         1.8214           0.30492          66.25
                         2.1031           0.48048          66.50
                         2.3514           0.69301          66.75
                         2.5758           0.94249          67.00
                         2.7822           1.22893          67.25
                         2.9743           1.55234          67.50
                         3.1547           1.91270          67.75

  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *

    TIME      INFLOW     ELEV      VOLUME     OUTFLOW
    (HRS)     (CFS)      (FEET)    (AC-FT)    (CFS)

     .00        .00      65.50       .000        .00
     .80        .00      65.50       .000        .00
    1.60      37.73      67.00       .947       2.58
    2.40       3.23      67.60      1.694       3.05
    3.20       1.42      67.55      1.624       3.01
    4.00       1.21      67.47      1.512       2.95
    4.80       1.16      67.38      1.397       2.88
    5.60       1.17      67.29      1.286       2.82
    6.40        .76      67.20      1.171       2.74
    7.20        .71      67.09      1.041       2.65
    8.00        .69      66.97       .915       2.55
    8.80        .67      66.85       .795       2.44
    9.60        .65      66.74       .681       2.34
   10.40        .63      66.61       .573       2.21
   11.20        .61      66.49       .472       2.09
   12.00        .59      66.35       .378       1.94
   12.80        .57      66.23       .293       1.79
   13.60        .54      66.09       .217       1.61
   14.40        .51      65.96       .151       1.42
   15.20        .49      65.83       .098       1.20
   16.00        .45      65.72       .057        .93
   16.80        .42      65.64       .037        .60
   17.60        .39      65.61       .029        .47
   18.40        .34      65.59       .024        .40
   19.20        .30      65.58       .021        .34
 PEAK DISCHARGE =        3.045 CFS - PEAK OCCURS AT HOUR    2.43
 MAXIMUM WATER SURFACE ELEVATION =       67.598
 MAXIMUM STORAGE =         1.6939 AC-FT      INCREMENTAL TIME=     .033330HRS

PRINT HYD           ID=2 CODE=1

                                OUTFLOW HYDROGRAPH RESERVOIR   502.10


    RUNOFF VOLUME =     2.17322 INCHES     =       2.9628 ACRE-FEET
```

```
    PEAK DISCHARGE RATE =        3.05 CFS  AT    2.433 HOURS   BASIN AREA =    .0256 SQ. MI.


*****
***** BASIN B - 100YR, EXISTING
*****
START                TIME=0.0
COMPUTE NM HYD       ID=1 HYD NO=102.2 AREA=0.017568 SQ MI
                     PER A=0.00 PER B=100.00 PER C=0.00 PER D=0.00
                     TP=0.1333 HR MASS RAINFALL=-1

    K =   .133656HR    TP =   .133300HR    K/TP RATIO =  1.002670    SHAPE CONSTANT, N =  3.520804
    UNIT PEAK =   42.417    CFS   UNIT VOLUME =   1.000      B =   321.84     P60 = 2.1400
    AREA =      .017568 SQ MI    IA =    .50000 INCHES    INF =  1.25000 INCHES PER HOUR
    RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330

PRINT HYD            ID=1 CODE=1

                                 PARTIAL HYDROGRAPH   102.20


     RUNOFF VOLUME =      .92096 INCHES     =        .8629 ACRE-FEET
     PEAK DISCHARGE RATE =      29.19 CFS  AT    1.500 HOURS   BASIN AREA =    .0176 SQ. MI.


*****

**********************************************************************
*****
***** BASIN A - 10YR, FUTURE
*****
START                TIME=0.0
RAINFALL             TYPE=1 RAIN QUARTER=0.0 IN
                     RAIN ONE=1.43 IN RAIN SIX=1.73 IN
                     RAIN DAY=2.07 IN DT=0.03333 HR

               COMPUTED 6-HOUR RAINFALL DISTRIBUTION BASED ON NOAA ATLAS 2 - PEAK AT 1.40 HR.
               DT =    .033330 HOURS       END TIME =    5.999400 HOURS
                  .0000   .0017   .0035   .0053   .0072   .0091   .0110
                  .0130   .0151   .0171   .0193   .0215   .0237   .0260
                  .0284   .0308   .0334   .0359   .0386   .0414   .0443
                  .0472   .0503   .0535   .0569   .0604   .0640   .0678
                  .0718   .0761   .0806   .0845   .0887   .0933   .1029
                  .1246   .1580   .2060   .2715   .3575   .4672   .6038
                  .7705   .9253   .9899  1.0445  1.0930  1.1371  1.1778
                 1.2155  1.2508  1.2838  1.3150  1.3443  1.3720  1.3983
                 1.4231  1.4467  1.4691  1.4903  1.5105  1.5155  1.5202
                 1.5246  1.5289  1.5330  1.5369  1.5407  1.5444  1.5479
                 1.5513  1.5546  1.5578  1.5609  1.5640  1.5669  1.5698
                 1.5726  1.5754  1.5781  1.5807  1.5833  1.5858  1.5883
                 1.5907  1.5931  1.5954  1.5977  1.6000  1.6022  1.6044
                 1.6065  1.6087  1.6107  1.6128  1.6148  1.6168  1.6187
                 1.6207  1.6226  1.6245  1.6263  1.6282  1.6300  1.6318
                 1.6335  1.6353  1.6370  1.6387  1.6404  1.6421  1.6437
                 1.6454  1.6470  1.6486  1.6502  1.6517  1.6533  1.6548
                 1.6563  1.6578  1.6593  1.6608  1.6623  1.6637  1.6652
                 1.6666  1.6680  1.6694  1.6708  1.6722  1.6735  1.6749
                 1.6762  1.6776  1.6789  1.6802  1.6815  1.6828  1.6841
                 1.6853  1.6866  1.6879  1.6891  1.6903  1.6916  1.6928
                 1.6940  1.6952  1.6964  1.6976  1.6988  1.6999  1.7011
                 1.7022  1.7034  1.7045  1.7057  1.7068  1.7079  1.7090
                 1.7101  1.7112  1.7123  1.7134  1.7145  1.7156  1.7166
                 1.7177  1.7187  1.7198  1.7208  1.7219  1.7229  1.7239
                 1.7250  1.7260  1.7270  1.7280  1.7290  1.7300

COMPUTE NM HYD       ID=1 HYD NO=103.1 AREA=0.007994 SQ MI
                     PER A=0.00 PER B=10.00 PER C=0.00 PER D=90.00
                     TP=0.1333 HR MASS RAINFALL=-1

    K =   .072649HR    TP =   .133300HR    K/TP RATIO =   .545000    SHAPE CONSTANT, N =  7.106420
    UNIT PEAK =   28.405    CFS   UNIT VOLUME =    .9990      B =   526.28     P60 = 1.4300
    AREA =      .007195 SQ MI    IA =    .10000 INCHES    INF =    .04000 INCHES PER HOUR
    RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330


    K =   .138734HR    TP =   .133300HR    K/TP RATIO =  1.040765    SHAPE CONSTANT, N =  3.391950
    UNIT PEAK =   1.8732    CFS   UNIT VOLUME =    .9924      B =   312.36     P60 = 1.4300
    AREA =      .000799 SQ MI    IA =    .50000 INCHES    INF =  1.25000 INCHES PER HOUR
```

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

 PRINT HYD            ID=1 CODE=1

                                PARTIAL HYDROGRAPH   103.10


     RUNOFF VOLUME =      1.38160 INCHES      =         .5890 ACRE-FEET
     PEAK DISCHARGE RATE =    15.94 CFS  AT    1.500 HOURS   BASIN AREA =    .0080 SQ. MI.



 *****
 ***** BASIN A - 10YR, EXISTING
 *****
 START                TIME=0.0
 COMPUTE NM HYD       ID=1 HYD NO=104.1 AREA=0.007994 SQ MI
                      PER A=0.00 PER B=100.00 PER C=0.00 PER D=0.00
                      TP=0.13333 HR MASS RAINFALL=-1

     K =   .138765HR    TP =   .133330HR    K/TP RATIO =  1.040765     SHAPE CONSTANT, N =  3.391950
     UNIT PEAK =   18.728    CFS   UNIT VOLUME =    .9993       B =   312.36      P60 = 1.4300
     AREA =      .007994 SQ MI    IA =    .50000 INCHES    INF =   1.25000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =    .033330

 PRINT HYD            ID=1 CODE=1

                                PARTIAL HYDROGRAPH   104.10


     RUNOFF VOLUME =      .35547 INCHES      =         .1516 ACRE-FEET
     PEAK DISCHARGE RATE =       5.97 CFS  AT    1.533 HOURS   BASIN AREA =    .0080 SQ. MI.



 *****
 *****
 ***** BASIN B - 10YR, FUTURE
 *****
 START                TIME=0.0
 COMPUTE NM HYD       ID=1 HYD NO=103.2 AREA=0.017568 SQ MI
                      PER A=0.00 PER B=10.00 PER C=0.00 PER D=90.00
                      TP=0.1333 HR MASS RAINFALL=-1

     K =   .072649HR    TP =   .133300HR    K/TP RATIO =   .545000     SHAPE CONSTANT, N =  7.106420
     UNIT PEAK =   62.423    CFS   UNIT VOLUME =    .9992       B =   526.28      P60 = 1.4300
     AREA =      .015811 SQ MI    IA =    .10000 INCHES    INF =    .04000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =    .033330


     K =   .138734HR    TP =   .133300HR    K/TP RATIO =  1.040765     SHAPE CONSTANT, N =  3.391950
     UNIT PEAK =   4.1167    CFS   UNIT VOLUME =    .9967       B =   312.36      P60 = 1.4300
     AREA =      .001757 SQ MI    IA =    .50000 INCHES    INF =   1.25000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =    .033330

 PRINT HYD            ID=1 CODE=1

                                PARTIAL HYDROGRAPH   103.20


     RUNOFF VOLUME =      1.38159 INCHES      =        1.2945 ACRE-FEET
     PEAK DISCHARGE RATE =      35.02 CFS  AT    1.500 HOURS   BASIN AREA =    .0176 SQ. MI.



 *****
 ***** BASIN B - 10YR, EXISTING
 *****
 START                TIME=0.0
 COMPUTE NM HYD       ID=1 HYD NO=104.2 AREA=0.017568 SQ MI
                      PER A=0.00 PER B=100.00 PER C=0.00 PER D=0.00
                      TP=0.1333 HR MASS RAINFALL=-1

     K =   .138734HR    TP =   .133300HR    K/TP RATIO =  1.040765     SHAPE CONSTANT, N =  3.391950
     UNIT PEAK =   41.167    CFS   UNIT VOLUME =    .9998       B =   312.36      P60 = 1.4300
     AREA =      .017568 SQ MI    IA =    .50000 INCHES    INF =   1.25000 INCHES PER HOUR
     RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =    .033330

 PRINT HYD            ID=1 CODE=1
```



DRAINAGE MAP

HD USA, Inc.

1700 Market St. #1510

Philadelphia, PA

Home D USA, Inc

5550 LBJ Freeway

Dallas TX 75240

1-972-402-3800 x7003

3918

1-214-654-9939 Lemon Dr.

Marty Holstead

Palifilia Hear

35 #3501

1-972-402-3934 FAX.

Stephanie.

orig. Drainage report.

DRAINAGE REPORT FOR

ALBUQUERQUE II

HOME DEPOT

Prepared for:

HOME DEPOT
C/O GREENBERG FARROW
17941 FITCH ROAD - SECOND FLOOR
IRVINE, CA 92714

Prepared by:

Tierra West Development Management Services
4600 Montgomery Boulevard, NE, Suite 3
Albuquerque, New Mexico 87109
(505) 883-7592

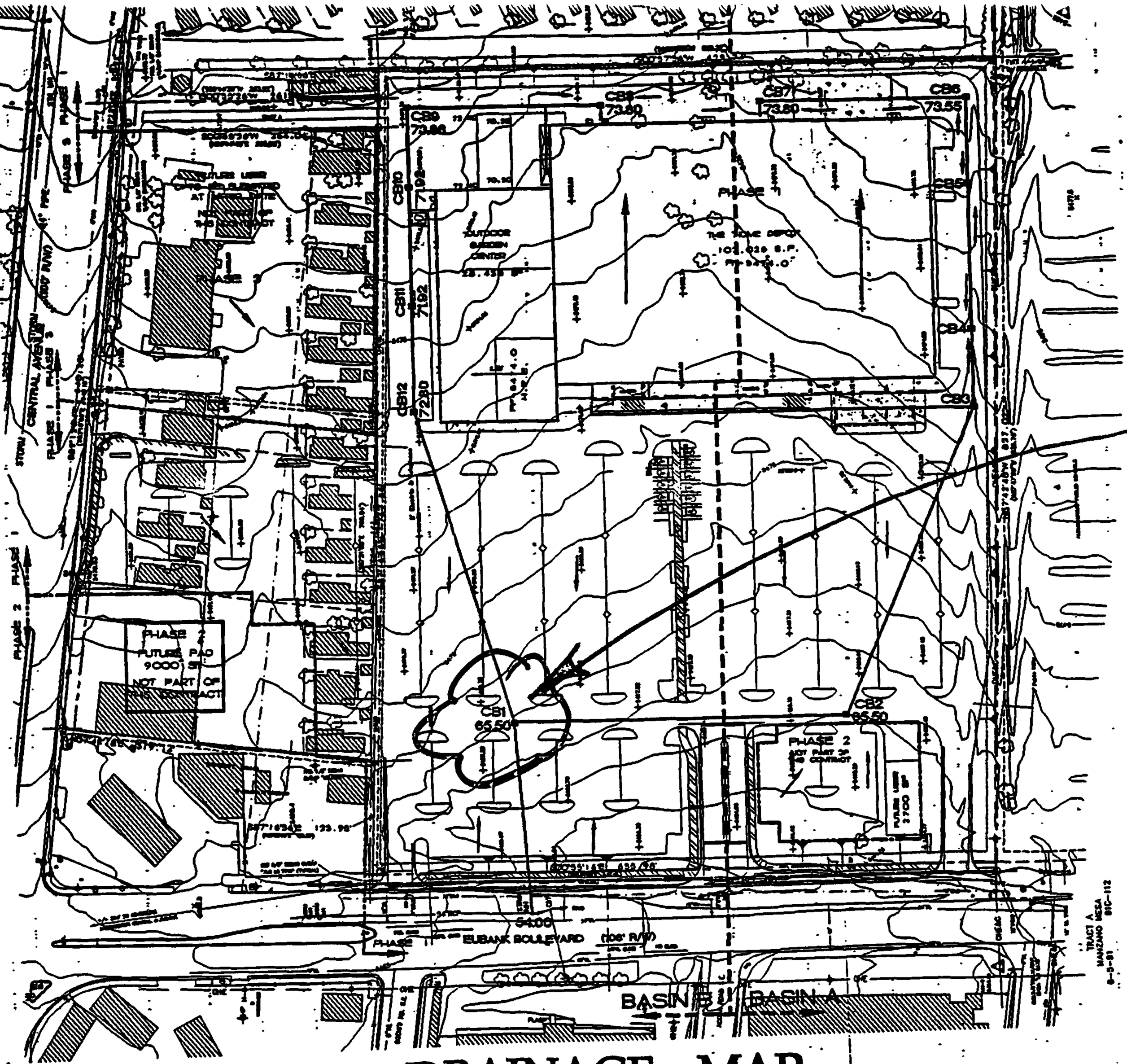
April 28, 1994

I certify this report was prepared under my supervision,
and I am a registered professional engineer in
the State of New Mexico in good standing.

Ronald R. Bohannan, P. E. No 7868

RONALD RAY BOHANNAN REGISTERED PROFESSIONAL ENGINEER NEW MEXICO 7868

RECEIVED
MAY - 5 1994



DRAINAGE MAP

```
*****
***** Drainage Calculation for HOME DEPOT.
***** BASIN A - 100YR, FUTURE
*****
START                TIME=0.0
RAINFALL             TYPE=1 RAIN QUARTER=0.0 IN
                     RAIN ONE=2.14 IN RAIN SIX=2.60 IN
                     RAIN DAY=3.10 IN DT=0.03333 HR
COMPUTE NM HYD       ID=1 HYD NO=101.1 AREA=0.007994 SQ MI
                     PER A=0.00 PER B=10.00 PER C=0.00 PER D=90.00
                     TP=0.1333 HR MASS RAINFALL=-1
PRINT HYD            ID=1 CODE=1
*****
***** CHECKING THE PONDIG ON BASIN "A" USING AN 3" ORFICE PLATE   <- not needed.
*****
ROUTE RESERVOIR      ID=2 HYD NO=501.1 INFLOW ID=1 CODE=24
                     OUTFLOW(CFS)      STORAGE(AC-FT)  ELEVATION(FT)
                          0.0000            0.00000         65.50
                          0.2801            0.04151         65.75
                          0.3962            0.10176         66.00
                          0.4852            0.18074         66.25
                          0.5602            0.27847         66.50
                          0.6264            0.39493         66.75
                          0.6862            0.53013         67.00
                          0.7411            0.68407         67.25
                          0.7923            0.85675         67.50
PRINT HYD            ID=2 CODE=1
*****
***** BASIN A - 100YR, EXISTING
*****
START                TIME=0.0
COMPUTE NM HYD       ID=1 HYD NO=102.1 AREA=0.007994 SQ MI
                     PER A=0.00 PER B=100.00 PER C=0.00 PER D=0.00
                     TP=0.1333 HR MASS RAINFALL=-1
PRINT HYD            ID=1 CODE=1
*****
***** BASIN B - 100YR, FUTURE
*****
START                TIME=0.0
COMPUTE NM HYD       ID=1 HYD NO=101.2 AREA=0.017568 SQ MI
                     PER A=0.00 PER B=10.00 PER C=0.00 PER D=90.00
                     TP=0.1333 HR MASS RAINFALL=-1
PRINT HYD            ID=1 CODE=1
*****
***** ADDING BASIN B AND OUTFLOW FROM BASIN A TO B.
*****
ADD HYD              ID=3 HYD 101.3 ID=1 ID=2
*****
***** CHECKING THE PONDIG ON BASIN "B" USING AN 8" ORFICE PLATE   <- needed.
*****
ROUTE RESERVOIR      ID=2 HYD NO=502.1 INFLOW ID=3 CODE=24
                     OUTFLOW(CFS)      STORAGE(AC-FT)  ELEVATION(FT)
                          0.0000            0.00000         65.50
                          1.0516            0.06468         65.75
                          1.4871            0.16632         66.00
                          1.8214            0.30492         66.25
                          2.1031            0.48048         66.50
                          2.3514            0.69301         66.75
                          2.5758            0.94249         67.00
                          2.7822            1.22893         67.25
                          2.9743            1.55234         67.50
                          3.1547            1.91270         67.75
PRINT HYD            ID=2 CODE=1
*****
***** BASIN B - 100YR, EXISTING
*****
START                TIME=0.0
COMPUTE NM HYD       ID=1 HYD NO=102.2 AREA=0.017568 SQ MI
                     PER A=0.00 PER B=100.00 PER C=0.00 PER D=0.00
                     TP=0.1333 HR MASS RAINFALL=-1
PRINT HYD            ID=1 CODE=1
*****

**********************************************************************
*****
***** BASIN A - 10YR, FUTURE
*****
START                TIME=0.0
RAINFALL             TYPE=1 RAIN QUARTER=0.0 IN
                     RAIN ONE=1.43 IN RAIN SIX=1.73 IN
```

AD S.E.

OHE

OHE

OHE&C

OHE&C

12" STUB

12" W. STUB

FUTURE USE
2700 SF

PROPOSED BUILDING

SEE COA STD. DWG. 2430

Public Utility

TRACT A
MANZANO MESA
6-5-91 91C-112

100-YEAR WATER SURFACE ELEVATION=67.60

100-YEAR WATER SURFACE ELEVATION=67.61

66.00

67.00

67.0

65.50

66.0

67.0

67.80

67.30

67.30

67.30

67.30

67.30

67.80

67.80

67.80

CITY OF ALBUQUERQUE
DEVELOPMENT & BUILDING SERVICES CENTER
PLANNING DEPARTMENT/HYDROLOGY SECTION

CONFERENCE RECAP

DRAINAGE FILE/ZONE ATLAS PAGE NUMBER: **L-21/D045** DATE: **08/14/2012**
CROSS REFERENCE NUMBERS: EPC_____ DRB_____ DRC_____
SUBJECT **Home Depot Outparcel**
STREET ADDRESS: **Eubank SE**
SUBDIVISION NAME: **Video Addition**

TYPE OF APPROVAL(S)

__	PRELIMINARY PLAT	**X**	FINAL PLAT
X	SITE DEVELOPMENT PLAN	__	BUILDING PERMIT
__	OTHER _____	__	ROUGH GRADING

ATTENDEE:	ORGANIZATION:	PHONE:
Graeme Means	High Mesa Consulting Group	345-4250
Shahab Biazar	City Hydrology	924-3695

FINDINGS:

- 1994 Home Depot Master Plan indentifies a Detention Pond with maximum 100-year depth of 2.1 ft in this area of the parking lot.
- Home Depot Master Plan identifies allowable discharge from the pond of 3.05 cfs to the public 54" Eubank storm drain.
- Home Depot Master Plan and City file correspondence identify and confirm a requirement for an 8" diameter orifice plate to restrict discharge from the detention pond.
- Preliminary research of record drawings and downstream public storm drain system in Eubank does not suggest recent modifications or changes since 1994 that would allow increased release of developed runoff. Further research of the drainage reports for sites south and southeast is recommended to determine the capacity of the 54" storm drain in Eubank.
- In the absence of an existing report that demonstrates additional downstream capacity, it may be possible to justify a moderate increase in allowable runoff to the public system that would reduce the detention pond depth and allow development in this area without extensive modifications.

THE UNDERSIGNED AGREE THAT THE ABOVE FINDINGS ARE SUMMARIZED ACCURATELY AND ARE ONLY SUBJECT TO CHANGE IF FURTHER INVESTIGATION REVEALS THAT THE FINDINGS ARE NOT REASONABLE OR THAT THEY ARE BASED UPON INACCURATE INFORMATION.

SIGNED: J. Graeme Means	SIGNED: Shahab Biazar
TITLE: PE	TITLE: Sr. Eng.
DATE: 08/14/2012	DATE: 8/20/12

NOTE: PROVIDE A COPY OF THIS RECAP WITH DRAINAGE SUBMITTAL

LEGEND

Ø8"	DIAMETER OF TREE TRUNK	SYS	PAINTED SOLID YELLOW STRIPE
C/PM	COMMUNICATION LINE BY PAINT MARK	TA	TOP OF ASPHALT
CONC	CONCRETE	TC	TOP OF CURB
CR	COMMUNICATION RISER	TCAB	TRAFFIC CONTROL CABINET
E/PM	ELECTRIC LINE BY PAINT MARK	TCO	TOP OF CONCRETE
EPB	ELECTRIC PULLBOX	TG	TOP OF GRATE
FH	FIRE HYDRANT	TS	TRAFFIC SIGN
FL	FLOWLINE	TYP	TYPICAL
GA	GUY ANCHOR	VCP	VITRIFIED CLAY PIPE
INV	INVERT	VG	CONCRETE VALLEY GUTTER
IVB	IRRIGATION VALVE BOX	WCR	CONCRETE WHEELCHAIR RAMP
MED C&G	CDA MEDIAN CURB AND GUTTER	WL	WATER LINE
MH	MANHOLE	WL/PM	WATER LINE BY PAINT MARK
MLP	METAL LIGHT POLE WITH 2' DIAMETER CONCRETE BASE	WMB	WATER METER BOX
		WPP	WOOD POWER POLE
MS	METAL SIGN	WS	WOOD SIGN
OHC(2)	OVERHEAD COMMUNICATION (# OF LINES)	WVB	WATER VALVE BOX
OHE(4)	OVERHEAD ELECTRIC (# OF LINES)	∞	PAINTED UTILITY MARK
PS	PAINTED PARKING STRIPE		CONIFEROUS TREE
PVC	POLYVINYL CHLORIDE PIPE		
PVP	ASPHALT PAVING PATCH		DECIDUOUS TREE
RCP	REINFORCED CONCRETE PIPE		
SAS	SANITARY SEWER		
SAS/PM	SANITARY SEWER LINE BY PAINT MARK		SMALL DECIDUOUS TREE
SB	PAINTED STOP BAR		
SD	STORM DRAIN		
SDI	STORM DRAIN INLET		LANDSCAPING SHRUB
SP	STEEL POLE		
STD C&G	CDA STANDARD CURB AND GUTTER		
SW	SIDEWALK		

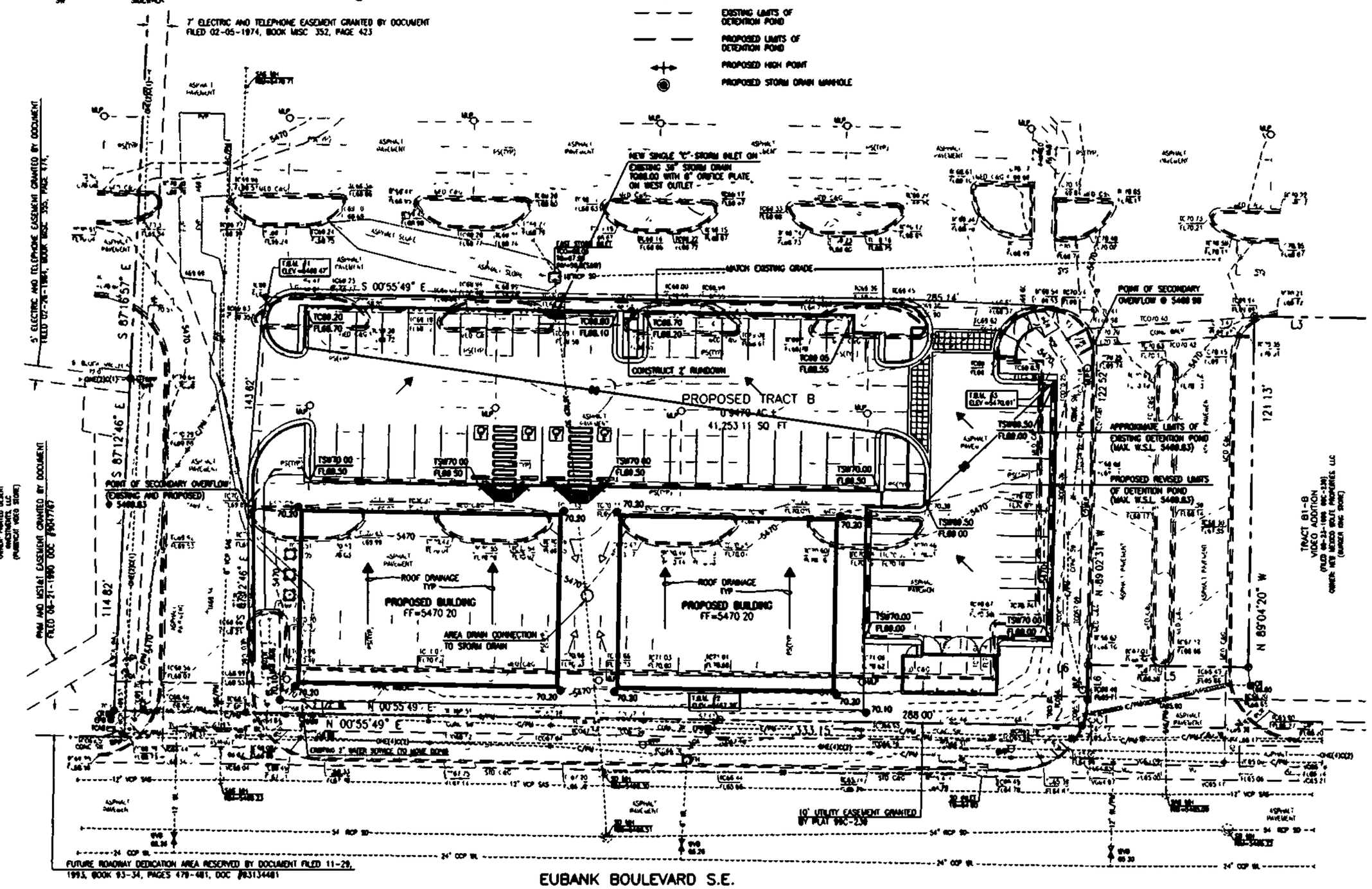
5470	EXISTING CONTOUR
	EXISTING FIRE HYDRANT
	EXISTING SANITARY SEWER MANHOLE
	EXISTING STORM DRAIN MANHOLE
	EXISTING WATER VALVE
	SMALL LANDSCAPING SHRUB
	LANDSCAPING BOULDER
	PROPOSED CONCRETE
	PROPOSED ASPHALT PAVING
	PROPOSED DIRECTION OF FLOW
	EXISTING DIRECTION OF FLOW
	EXISTING FLOW LINE
	PROPOSED FLOW LINE
75.23	PROPOSED SPOT ELEVATION
+ 38.85	EXISTING SPOT ELEVATION
40	PROPOSED CONTOUR
	EXISTING LIMITS OF DETENTION POND
	PROPOSED LIMITS OF DETENTION POND
	PROPOSED HIGH POINT
	PROPOSED STORM DRAIN MANHOLE

CONCEPTUAL GRADING PLAN NARRATIVE

THE PURPOSE OF THIS PRELIMINARY GRADING PLAN IS TO DEMONSTRATE GRADING AND DRAINAGE CONCEPTS TO SUPPORT A PROPOSED PLATTING ACTION BASED ON THE FOLLOWING

- THE PROPOSED DEVELOPMENT WILL NOT INCREASE IMPERVIOUS AREA AND THEREFORE WILL NOT INCREASE THE PEAK RATE OR VOLUME OF RUNOFF CURRENTLY DRAINING TO AN EXISTING PARKING LOT DETENTION POND
- THE PROPOSED GRADING WILL BE "VOLUME NEUTRAL" FOR THE EXISTING DETENTION POND AREA. THE ELEVATED SIDEWALK AND BUILDINGS ON THE WEST END WILL BE OFFSET BY CUTTING DOWN THE EXISTING PAVEMENT GRADE WITHIN THE PARKING AND DRIVE AREAS, THEREBY HAVING NO ADVERSE IMPACT OF DETENTION POND CAPACITY
- A NEW STORM INLET WILL BE CONSTRUCTED WITH AN 8" ORIFICE PLATE TO FUNCTION IN PLACE OF THE ONE THAT WAS DESIGNED TO BE LOCATED IN THE EXISTING INLET THAT DRAINS THE POND. VISUAL INSPECTION INDICATES THERE IS NO EXISTING ORIFICE PLATE TO RESTRICT DISCHARGE IN ACCORDANCE WITH THE RECORD DRAINAGE PLAN FOR THE HOME DEPOT
- THE NEW BUILDING FLOORS WILL BE AT ELEVATION 5470.20, ABOVE THE EXISTING AND PROPOSED MAXIMUM PONDING LEVELS
- AS WILL BE REFERENCED BY THE PLAT, THE DECLARATION OF COVENANTS CONDITIONS, AND RESTRICTIONS BETWEEN HOME DEPOT AND THE OUTPARCEL GRANTS A NON-EXCLUSIVE DRAINAGE EASEMENT BETWEEN THE TWO PARCELS

A GRADING AND DRAINAGE PLAN WILL BE REQUIRED FOR BUILDING PERMIT APPROVAL. THAT PLAN WILL DEMONSTRATE THE "VOLUME NEUTRAL" CHARACTERISTICS IN GREATER DETAIL.



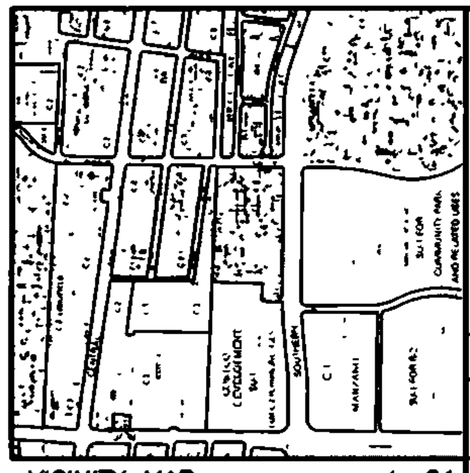
SURVEY NOTE

THIS IS NOT A BOUNDARY SURVEY. DATA IS SHOWN FOR ORIENTATION ONLY. THE BOUNDARY, TOPOGRAPHIC AND UTILITY INFORMATION DEPICTED BY THIS PLAN IS BASED UPON AN UNRECORDED BOUNDARY AND IMPROVEMENT SURVEY PREPARED BY HIGH MESA CONSULTING GROUP, NMPS 15075 (2012.002.1)

BOUNDARY TABLES

LINE	DIRECTION	DISTANCE
L3	N 07°56'21" E	189.32'
L5	N 00°52'16" E	55.22'
L6	N 89°01'42" W	12.00'

CURVE	RADIUS	LENGTH	CHORD	BEARING	DELTA
C1	24.37'	9.23'	9.18'	N 78°15'20" W	21°42'37"

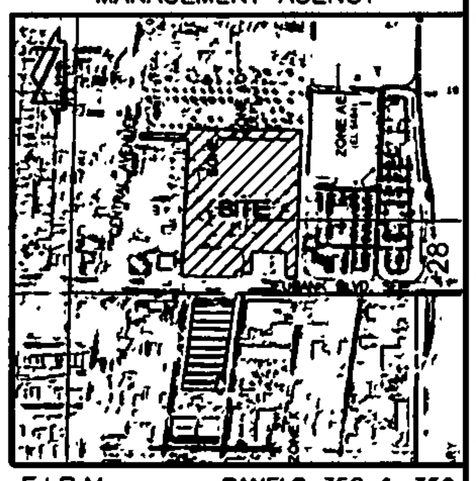


VICINITY MAP
SCALE 1" = 750'

L-21

REV	DATE	BY	REVISION
1			
2			
3			
4			
5			
6			

FEDERAL EMERGENCY MANAGEMENT AGENCY



F.I.R.M.
SCALE 1" = 500'

PANELS 358 & 359 of 825
DATED 09-26-2008

LEGAL DESCRIPTION

PROPOSED TRACT B1-A-1 VIDEO ADDITION

BENCHMARKS

PROJECT BENCHMARK

AGRS 3 1/4" ALUMINUM DISK SET FLUSH WITH TOP OF CURB AND STAMPED "ACS 6-L21 1988" ON THE NOSE OF THE EAST MEDIAN AT THE INTERSECTION OF CENTRAL AVENUE AND ELIZABETH STREET S.E.
ELEVATION = 5503.276 FEET (NAVD 1988)

TEMPORARY BENCHMARK #1 (T.B.M.)

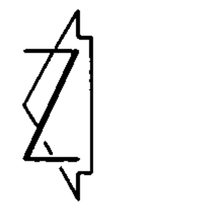
#5 REBAR WITH CAP STAMPED "14ICC CONTROL NMPS 11184" IN PARKING LOT MEDIAN AS SHOWN ON THIS SHEET
ELEVATION = 5469.47 FEET (NAVD 1988)

TEMPORARY BENCHMARK #2 (T.B.M.)

#5 REBAR WITH CAP STAMPED "14ICC CONTROL NMPS 11184" AT BACK OF SIDEWALK AS SHOWN ON THIS SHEET
ELEVATION = 5467.36 FEET (NAVD 1988)

TEMPORARY BENCHMARK #3 (T.B.M.)

#5 REBAR WITH CAP STAMPED "14ICC CONTROL NMPS 11184" AT BACK OF CURB AS SHOWN ON THIS SHEET
ELEVATION = 5470.01 FEET (NAVD 1988)



SCALE 1" = 20'

HIGH MESA Consulting Group
6010-B MIDWAY PARK BLVD NE • ALBUQUERQUE, NEW MEXICO 87109
PHONE 505 345 4250 • FAX 505 345 4254 • www.highmesacg.com

2012.002.3

MODULUS ARCHITECTS
2325 SAN PEDRO N.E. SUITE 2-B
ALBUQUERQUE, NEW MEXICO 87110
PHONE (505) 338-1499 FAX (505) 338-1498
TOLL FREE 1-866-224-2161

PROJECT TITLE: RETAIL PAD DEVELOPMENT
S.E.C. OF CENTRAL AND EUBANK
ALBUQUERQUE, NEW MEXICO

PROJECT MANAGER: GRAEME MEANS
JOB NO: 2012.002.3
DRAWN BY: E.J.S

SHEET TITLE: PRELIMINARY GRADING PLAN

DATE: 11/12
SCALE: 1" = 20'

G1.0

File Path: A:\MA\2012.002.3\DWG\
File Name: 120023_GP2.DWG
Plot Date: 11-02-2012
Plot Time: 12:02 pm

CITY OF ALBUQUERQUE
PLANNING DEPARTMENT

HYDROLOGY DEVELOPMENT SECTION
DEVELOPMENT REVIEW BOARD MEMO

DRB PROJECT NO: 1000897 **AGENDA ITEM NO: 5**

SUBJECT:

Plat Approval

ENGINEERING COMMENTS:

The private drainage easement is to be recorded prior to plat approval and referenced on the plat.

Since this lot drains on the lot to the east and vice versa, a reciprocal drainage easement should be added to the plat.

RESOLUTION/COMMENTS: Date: 12-31-13

SIGNED:

Curtis Cherne
Hydrology Section
City Engineer Designee
AMAFCA Designee
924-3986

S 00°55'49" E

285.14'

T.B.M. #1
ELEV.=5469.47'

117.31'

PROPOSED ONSITE DETENTION
EASEMENT AREA

PROPOSED TRACT B
0.9182 AC.±
39,998.76 SQ. FT.

MLP

110.91'

T.B.M. #3
ELEV.=5470.01'

6' BLOCK WALL

71.2

S 87°12'46" E

L11

PROPOSED BUILDING
4,227 SQ. FT.

L12

L13

N 89°02'31" W

330 ft²

6' BLOCK WALL

70.6

CAB 5469.95

N 00°55'49" E

T.B.M. #2
ELEV.=5467.36'

249.02'

TC66.46

35x87 = 3045

x11 = 3350

PLAN NORTH

10 0 20 60

Scale not right

PROPOSED DETENTION AREA EXHIBIT PLAN

SCALE: RE: GRAPHIC SCALE LEFT

EUBANK BOULEVARD S.E.

City of Albuquerque
Public Works Department
505-924-3900 (main number)
505-924-3864 (fax number)
Development and Building Services (One Stop Shop)
Plaza Del Sol Building, 2nd Floor
600 2nd Street NW
Albuquerque, NM 87102

City of Albuquerque
Public Works Dept.
Dev. & Bldg. Srvcs.

Fax

Loren D. Meinz, P.E.
City Hydrologist

(505) 924-3980
(505) 924-3864 FAX
E-mail: lmeinz@cabq.gov

Development & Building Services Division
Public Works Department
600 2nd Street NW
Albuquerque, New Mexico 87102

To: STEPHANIE @ HOME DEPOT **From:** LOREN MEINZ

Fax: 972-402-3936 **Pages Sent:** (including this page) 9

Phone: **Date:** APRIL 17 2001

Time: 4:50p

☐ Urgent ☐ For Review ☐ Please comment ☐ Please Reply ☐ Please Recycle

Comments:

See Attached Information.

City of Albuquerque
Public Works Department
505-924-3900 (main number)
505-924-3864 (fax number)
Development and Building Services (One Stop Shop)
Plaza Del Sol Building, 2nd Floor
600 2nd Street NW
Albuquerque, NM 87102

City of Albuquerque
Public Works Dept.
Dev. & Bldg. Srvcs.

Fax

To: Candida @ Wagner Mack From: Loren Meinz

Fax: 884-0959 Pages Sent: (including this page)

Phone: Date: 4/19/01

Time: 8:50a

☐ Urgent ☐ For Review ☐ Please comment ☐ Please Reply ☐ Please Recycle

Comments:

If ? call me @ 924-3980

April 17, 2001

To: Home Depot USA, Inc.
Stephanie

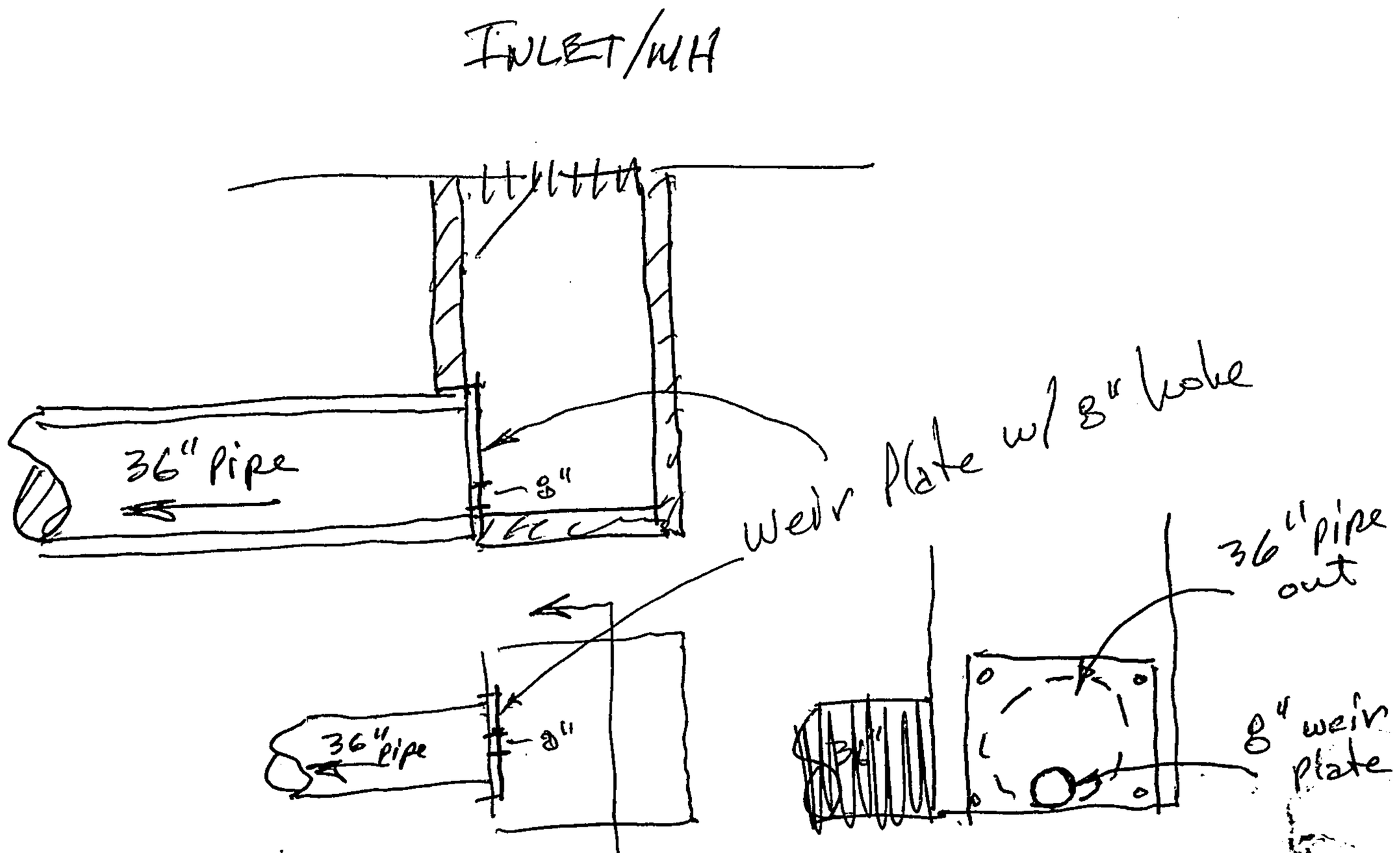
From: Loren Meinz, P.E.
City of Albuquerque, Public Works Hydroloogy

4/17/01

Re: Home Depot Store (#3501)
200 Eubank SE
Albuquerque, NM 87123

Attached are copies of pertinent pages of the drainage report for the subject site that discuss the needed weir plate. Original plan was to place a 4 inch weir plate in CB2 and a 8 inch weir plate in CB1. Since the pond water surface elevations for both ponds are the same, only the 8 inch weir is needed to control the runoff per the plan.

If any questions contact me at 505-924-3980. Thank you for your attention to this matter.



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

July 27, 1995

Ronald Bohannan
Tierra West Development
4421 McLeod Rd. NE Suite D
Albuquerque, NM 87109

RE: ENGINEER CERTIFICATION FOR HOME DEPOT @ 200 EUBANK SE
(L21-D45) CERTIFICATION STATEMENT DATED 7/8/95.

Dear Mr. Bohannan:

Based on the information provided on your July 14, 1995 submittal, Engineer Certification for the above referenced site is acceptable.

Please be advised that Certificate of Occupancy will not be released until a copy of the letter of acceptance for work order is provided.

If I can be of further assistance, please feel free to contact me at 768-2667.

Sincerely,

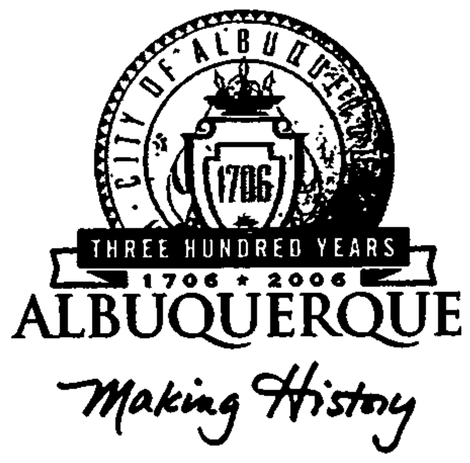
Bernie J. Montoya, CE
Engineering Associate

BJM/dl

c: Andrew Garcia
File

THE CITY OF ALBUQUERQUE IS AN EQUAL OPPORTUNITY/REASONABLE ACCOMMODATION EMPLOYER

CITY OF ALBUQUERQUE



Planning Department
Transportation Development Services Section

July 15, 2004

Ronald R. Bohannan, P.E.
8509 Jefferson NE
Albuquerque, NM 87113

Re: Certification Submittal for Final Building Certificate of Occupancy for
Home Depot Inc. Eubank/Central, [L21 / D45]
200 Eubank SE
Engineer's Stamp Dated 04/21/04

Dear Mr. Bohannan:

P.O. Box 1293

The TCL / Letter of Certification submitted on July 14, 2004 is sufficient for acceptance by this office for final Certificate of Occupancy (C.O.). Notification has been made to the Building and Safety Section.

Albuquerque

Sincerely,

New Mexico 87103

Nilo E. Salgado-Fernandez, P.E.
Senior Traffic Engineer
Development and Building Services
www.cabq.gov
Planning Department

c: Engineer
Hydrology file
CO Clerk

DRAINAGE AND TRANSPORTATION SHEET

(REV. 1/28/2003rd)

PROJECT TITLE: Home Depot Eubank and Central — ZONE MAP/DRG. FILE #: L21-D45

DRB #: 94-188 — EPC #: Z-94-45 — WORK ORDER #:

LEGAL DESCRIPTION: Tract A & B of Video Addition and Parcels 1,2 & 3

CITY ADDRESS: 200 Eubank SE, Albuquerque, NM 87123

ENGINEERING FIRM:	Tierra West, LLC	CONTACT:	Ronald R. Bohannan, PE
ADDRESS:	8509 Jefferson NE	PHONE:	(505) 858-3100
CITY, STATE:	Albuquerque, NM	ZIP CODE:	87113
OWNER:	Home Depot Inc.	CONTACT:	Terry Mapes
ADDRESS:	2325 Sa 2800 Forest Lane	PHONE:	972-402-3843
CITY, STATE:	Dallas Texas	ZIP CODE:	75234-7502
ARCHITECT:	GREENBERG FARROW	CONTACT:	James Brink
ADDRESS:	1755 The Exchange	PHONE:	770-303-1033
CITY, STATE:	Atlanta GA.	ZIP CODE:	30339
SURVEYOR:	HALL SURVEYING CO.	CONTACT:	Preston Hall
ADDRESS:	12805 Menaul Blvd. NE	PHONE:	505-292-6727
CITY, STATE:	Albuquerque, NM	ZIP CODE:	87112
CONTRACTOR:	WHITE - SPUNNER CONSTRUCTION, INC	CONTACT:	David Turberville
ADDRESS:	2654 Cameron St.	PHONE:	251-471-5189
CITY, STATE:	Mobile, Alabama	ZIP CODE:	36607

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
- X 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
- x 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
- X NO
- ____ COPY PROVIDED

RECEIVED
JUL 14 2004
HYDROLOGY SECTION

DATE SUBMITTED: 7/14/2004 BY: Ronnie DeMasters

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 sumbittal 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.

TIERRA WEST, LLC

8509 Jefferson NE
Albuquerque, NM 87113

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

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

July 14, 2004

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

RE: Site Plan Certification for Final Certificate of Occupancy
Home Depot Inc.
200 Eubank SE

Dear Mr. Salgado-Fernandez:

Tierra West, LLC, requests a Final Certification of the Approved Amended Site Plan for the Home Depot Inc. located at 200 Eubank SE. Enclosed please find the Information Sheet, As-Built Horizontal Striping Plan, the Amended Site Plan and the original Site Plan. The punch list was completed and all work is in substantial compliance with the Approved Plan.

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

RECEIVED
JUL 14 2004
HYDROLOGY SECTION

Sincerely,

Ronald R. Bohannan, PE

Enclosure/s

cc: White Spunner Construction

JN: 220080
RRB/rd

2000 220080 Tool Exp Final TCL Cert 07142004

ORDER

In order to comply with the approved drainage plan for 200 Eubank Blvd. S.E., and abate potential hazardous flood conditions, the following items must be addressed immediately.

1. Pursuant to the field inspection, the orifice plate is not currently in-place in CB1. The orifice plate must be installed within 14 days from receipt of this Notice and Order.

Please be aware that the City staff can assist you in recommendations on the type of installation that will meet the City requirements.

If you have any questions concerning the above, please contact Loren Meinz, City Hydrologist, at 924-3980.

Sincerely,

Fred Aguirre, P.E.
City Engineer

c: Andrew Garcia, Zoning Enforcement
Loren Meinz, P.E., City Hydrologist
Kevin Curran, Legal Department

L21d45no

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

November 28, 2000

Home Depot
200 Eubank Blvd. SE
Albuquerque, NM 87123

CERTIFIED MAIL-RETURN
RECEIPT REQUESTED

Re:

Drainage Plan L21/D45, Approved May 11, 1994
Tax Code Parcel ID # 1021056050430202 40

NOTICE AND ORDER

Pursuant to Chapter 14, Article 5, City of Albuquerque Revised Ordinances (Flood Hazard and Drainage Control Ordinance), this Notice and Order is being issued on the property located at 200 Eubank Blvd. S.E., currently doing business as Home Depot.

FINDINGS

The above described was recently inspected by City of Albuquerque Public Works Hydrology staff. The inspection revealed that the property is in violation of the City's Flood Hazard and Drainage Control Ordinance requiring property owners to maintain storm drainage facilities to City Engineer standards. The property is also in violation of the approved drainage plan in the following respects.

The approved grading and drainage report, Engineer's stamp dated May 5, 1994, indicates two areas for storm water ponding in the paved parking lot. The areas are located on the plan near CB1 and CB2, and contours are shown to identify limits of 100-year water surface.

The approved grading and drainage report indicates that ponding areas will be utilized to provide a maximum discharge rate of 3.0 cfs from the site, and that CB1, the inlet located near the northwest portion of the site near Eubank Blvd., will have an 8 inch diameter orifice plate installed to provide the desired discharge rate.

CITY OF ALBUQUERQUE

July 15, 2004

Mr. Ronald R. Bohannan, P.E.
TIERRA WEST, LLC
8509 Jefferson St. NE
Albuquerque, NM 87113

Re: HOME DEPOT-TOOL RENTAL EXP-EUBANK/CENTRAL
200 EUBANK BD. SE
Approval of Permanent Certificate of Occupancy (C.O.)
Engineer's Stamp dated 02/20/2003 (L-21/D045)
Certification dated 07/14/2004

P.O. Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

Dear Ron,

Based upon the information provided in your submittal received 07/14/2004, the above referenced certification is approved for release of Permanent Certificate of Occupancy by Hydrology.

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

Sincerely,

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

BLB

C: Phyllis Villanueva
File

DRAINAGE AND TRANSPORTATION SHEET

(REV. 1/28/2003rd)

PROJECT TITLE: Home Depot Eubank and Central
ZONE MAP/DRG. FILE #: L21-D45
DRB #: 94-188
EPC #: Z-94-45
WORK ORDER #:

LEGAL DESCRIPTION: Tract A & B of Video Addition and Parcels 1,2 & 3
CITY ADDRESS: 200 Eubank SE, Albuquerque, NM 87123

ENGINEERING FIRM:	Tierra West, LLC	CONTACT:	Ronald R. Bohannan, PE
ADDRESS:	8509 Jefferson NE	PHONE:	(505) 858-3100
CITY, STATE:	Albuquerque, NM	ZIP CODE:	87113
OWNER:	Home Depot Inc.	CONTACT:	Terry Mapes
ADDRESS:	2325 Sa 2800 Forest Lane	PHONE:	972-402-3843
CITY, STATE:	Dallas Texas	ZIP CODE:	75234-7502
ARCHITECT:	GREENBERG FARROW	CONTACT:	James Brink
ADDRESS:	1755 The Exchange	PHONE:	770-303-1033
CITY, STATE:	Atlanta GA.	ZIP CODE:	30339
SURVEYOR:	HALL SURVEYING CO.	CONTACT:	Preston Hall
ADDRESS:	12805 Menaul Blvd. NE	PHONE:	505-292-6727
CITY, STATE:	Albuquerque, NM	ZIP CODE:	87112
CONTRACTOR:	WHITE - SPUNNER CONSTRUCTION, INC	CONTACT:	David Turberville
ADDRESS:	2654 Cameron St.	PHONE:	251-471-5189
CITY, STATE:	Mobile, Alabama	ZIP CODE:	36607

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
- x ENGINEER'S CERTIFICATION (HYDROLOGY)
- ____ CLOMR/LOMR
- ____ TRAFFIC CIRCULATION LAYOUT (TCL)
- ____ ENGINEERS CERTIFICATION (TCL)
- ____ ENGINEERS CERTIFICATION (DRB APPR. SITE PLAN)
- ____ OTHER

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- ____ PRELIMINARY PLAT APPROVAL
- ____ S. DEV. PLAN FOR SUB'D. APPROVAL
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- ____ FOUNDATION PERMIT APPROVAL
- ____ BUILDING PERMIT APPROVAL
- x CERTIFICATE OF OCCUPANCY (PERM.)
- ____ CERTIFICATE OF OCCUPANCY (TEMP.)
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- ____ PAVING PERMIT APPROVAL
- ____ WORK ORDER APPROVAL
- ____ OTHER (SPECIFY)

WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ____ YES
- X NO
- ____ COPY PROVIDED

RECEIVED
JUL 14 2004
HYDROLOGY SECTION

DATE SUBMITTED: 7/14/2004 BY: Ronnie DeMasters

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 sumbittal 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

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

April 9, 2003

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

RE: Drainage and Grading Plan for Home Depot-Eubank Addition (L21-D45)
February 20, 2003

Dear Mr. Bohannan:

The above referenced drainage plan received March 12, 2003 is approved for Building Permit. Upon completion of the project the engineer will need to certify the project per the DPM for Certificate of Occupancy release.

If you have any questions please contact me 924-3982.

Sincerely,

Carlos A. Montoya
City Floodplain Administrator

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV. 01/28/2003rd)

L-21 | D45

PROJECT TITLE: ***Home Depot - Eubank*** ZONE MAP/DRG. FILE #: ~~L-21~~

DRB #: ***94-188*** EPC #: ***Z-94-45*** WORK ORDER #:

LEGAL DESCRIPTION: **Tract A & B of Video Addition and Parcels 1,2 & 3**

CITY ADDRESS: **200 Eubank SE, Albuquerque, NM 87123**

ENGINEERING FIRM:	TIERRA WEST, LLC	CONTACT:	Ronald R. Bohannan, PE
ADDRESS:	8509 JEFFERSON NE	PHONE:	(505) 858-3100
CITY, STATE:	ALBUQUERQUE, NM	ZIP CODE:	87113
OWNER:	Home Depot Inc.	CONTACT:	Terry Mapes
ADDRESS:	2800 Forest Lane	PHONE:	(972) 402-3843
CITY, STATE:	Dallas, TX	ZIP CODE:	75234-7502
ARCHITECT:	GREENBERG FARROW	CONTACT:	James Brink
ADDRESS:	1755 The Exchange	PHONE:	(770) 303-1033
CITY, STATE:	Atlanta, GA	ZIP CODE:	30339
SURVEYOR:	PRECISION SURVEYS, INC.	CONTACT:	Larry W. Medrano
ADDRESS:	8414-D Jefferson Street NE	PHONE:	(505) 856-5700
CITY, STATE:	Albuquerque, NM 87113	ZIP CODE:	87113
CONTRACTOR:		CONTACT:	
ADDRESS:		PHONE:	
CITY, STATE:		ZIP CODE:	

CHECK TYPE OF SUBMITTAL:

- [X] DRAINAGE REPORT
- [ ] DRAINAGE PLAN 1st SUBMITTAL, ***REQUIRES TCL or equal***
- [ ] DRAINAGE PLAN RESUBMITTAL
- [ ] CONCEPTUAL GRADING & DRAINAGE PLAN
- [X] 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

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- [ ] PRELIMINARY PLAT APPROVAL
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- [ ] S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
- [ ] SECTOR PLAN APPROVAL
- [ ] FINAL PLAT APPROVAL
- [ ] FOUNDATION PERMIT APPROVAL
- [X] BUILDING PERMIT APPROVAL
- [ ] CERTIFICATE OF OCCUPANCY (PERM.)
- [ ] CERTIFICATE OF OCCUPANCY (TEMP.)
- [X] GRADING PERMIT APPROVAL
- [ ] PAVING PERMIT APPROVAL
- [ ] WORK ORDER APPROVAL
- [ ] OTHER (SPECIFY)

RECEIVED
MAR 12 2003
HYDROLOGY SECTION

WAS A PRE-DESIGN CONFERENCE ATTENDED:

- [ ] YES
- [X] NO
- [ ] COPY PROVIDED

DATE SUBMITTED: 3/11/2003 BY: Ronald R. Bohannan, PE

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a dranage submittal.
The particular nature, location and scope of the proposed development defines the degree of drainage detail.
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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

8509 Jefferson NE
Albuquerque, NM 87113

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

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

March 11, 2003

Mr. Bradley L. Bingham, P.E.
Sr. Engineer
CITY OF ALBUQUERQUE
P.O. Box 1293
Albuquerque, NM 87103

RE: Modifications to Home Depot – Eubank
Zone Atlas L-21

Dear Mr. Bingham:

Home Depot requests approval to modify the front of the existing store on Eubank to accommodate a new Tool Rental Center. The area is impervious and will remain the same. We are only modifying the grades in front of the building and not the parking lot, which controls the runoff. The runoff does not change based on the minor modification.

We ask for your approval of the revised Grading Plan and have included a copy of the original Drainage Report for use in your review.

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

Sincerely,

Ronald R. Bohannan, P.E.

RECEIVED
MAR 12 2003
HYDROLOGY SECTION

Enclosure/s

JN: 220080
RRB/ba

2002 220080Brad Bingham03112003

ORIGINAL

DRAINAGE REPORT

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

July 27, 1995

Ronald Bohannan
Tierra West Development
4421 McLeod Rd. NE Suite D
Albuquerque, NM 87109

RE: ENGINEER CERTIFICATION FOR HOME DEPOT @ 200 EUBANK SE
(L21-D45) CERTIFICATION STATEMENT DATED 7/8/95.

Dear Mr. Bohannan:

Based on the information provided on your July 14, 1995 submittal, Engineer Certification for the above referenced site is acceptable.

Please be advised that Certificate of Occupancy will not be released until a copy of the letter of acceptance for work order is provided.

If I can be of further assistance, please feel free to contact me at 768-2667.

Sincerely,

Bernie J. Montoya, CE
Engineering Associate

BJM/dl

c: Andrew Garcia
File

THE CITY OF ALBUQUERQUE IS AN EQUAL OPPORTUNITY/REASONABLE ACCOMMODATION EMPLOYER

CITY OF
Albuquerque

City of Albuquerque

P. O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103
PUBLIC WORKS DEPARTMENT

August 7, 1995

CERTIFICATE OF COMPLETION AND ACCEPTANCE

Home Depot U.S.A., Inc.
601 South Placentia
Fullerton, CA 92331

RE: PROJECT NO. 4961.80 HOME DEPOT II (MAP NO. L-21)

Dear Mr. Sir:

This is to certify that the City of Albuquerque accepts Project No. 4961.80 as being completed according to approved plans and construction specifications. Please be advised this certificate of completion and acceptance shall only become effective upon final plat approval and filing in the office of the Bernalillo County Clerk's Office.

The project is described as follows:

- Constructed deceleration lanes, curb and gutter, sidewalk, valley gutters on Central and on Eubank. Also, installed water and sewerlines and tied into existing sytems on Eubank. Tied in new storm sewer into existing storm sewer on Eubank. And paved deceleration lanes.

The contractor's correction period began the date of this letter and is effective for a period of one (1) year.

Sincerely,

Rick Roybal, P.E.
City Engineer,
Engineering Group
Public Works Department

Sincerely,

Russell B. Givler, P.E.
Chief Construction Engineer,
Engineering Group
Public Works Department

AUG 10 1995

cc: Shahab Biazar, Tierra West Engineering
Cambro Construction
Fred Aguirre, Engineering Group, PWD
Theresa Lucero, Engineering Group, PWD
Terri Martin, Engineering Group, PWD
Martin Barker, Engineering Group, PWD
Linda Adamsko, Special Assessments, DFM
Sam Hall, Operations Group, PWD
Jim Fink, Operations Group, PWD
Dean Wall, Engineering Group, PWD
Stuart Reeder, Water/Wastewater Group, PWD
Ray Chavez, Traffic Engineering, PWD
Josie Gutierrez, New Meter Sales, Finance Group, PWD
Richard Zamora, Engineering Group, PWD
f/Project No. 4961.80
f/Readers
f/Warranty:Contract

Tierra West Development
Management Services

May 5, 1994

Mr. Fred Aquirre
City Hydrology
Post Office Box 1293
Albuquerque, NM 87103

Re: Tract A & B and Parcels 1, 2 & 3, The Home Depot, Zone Atlas Sheet L-21.

Dear Mr. Aquirre;

Please review the enclosed copy of the Grading and Drainage Plan for site development plan building permit approval.

Per our predesign meeting with you on January 14, 1994, the runoff from the side will be drained to the exiting 54" storm drainage pipe over a 24 hour period. The site is divided into two sub-basins, using the parking lot for ponding area. Phase II will be ponded with the rest of the run-off from Phase I on-site. Phase III, is an existing mobile home park and the future development will be drained the same way as Phase I and II drainage system.

The 100 year water surface elevation for each of the ponding areas are shown on the Grading and Drainage Plan. We have also set up emergency spillways for each basin by altering some grade elevations and maintaining the one foot water blocks at all the entrances. The emergency overflow for basins will drain to the south side of the Tract then out the entrances discharging to Eubank Boulevard.

We will make application with DRC, showing the drainage pipe connection with the existing 54" storm drain pipes.

All roof drains will be connected to the proposed storm sewer.

4600 Montgomery Boulevard NE Suite. 3 • Albuquerque, NM 87107 • (505) 833-7592

If you should have any questions, please do not hesitate to contact me.

Sincerely,

Shahab Biazar

Enclosure

Job No: 930038

DRAINAGE REPORT FOR

ALBUQUERQUE II

HOME DEPOT

Prepared for:

HOME DEPOT
C/O GREENBERG FARROW
17941 FITCH ROAD - SECOND FLOOR
IRVINE, CA 92714

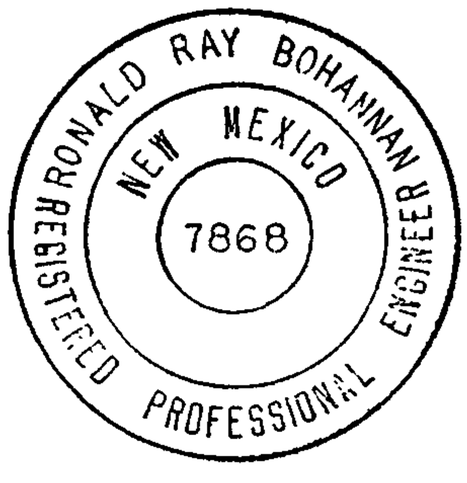
Prepared by:

Tierra West Development Management Services
4600 Montgomery Boulevard, NE, Suite 3
Albuquerque, New Mexico 87109
(505) 883-7592

April 28, 1994

I certify this report was prepared under my supervision,
and I am a registered professional engineer in
the State of New Mexico in good standing.

Ronald R. Bohannan, P. E. No 7868



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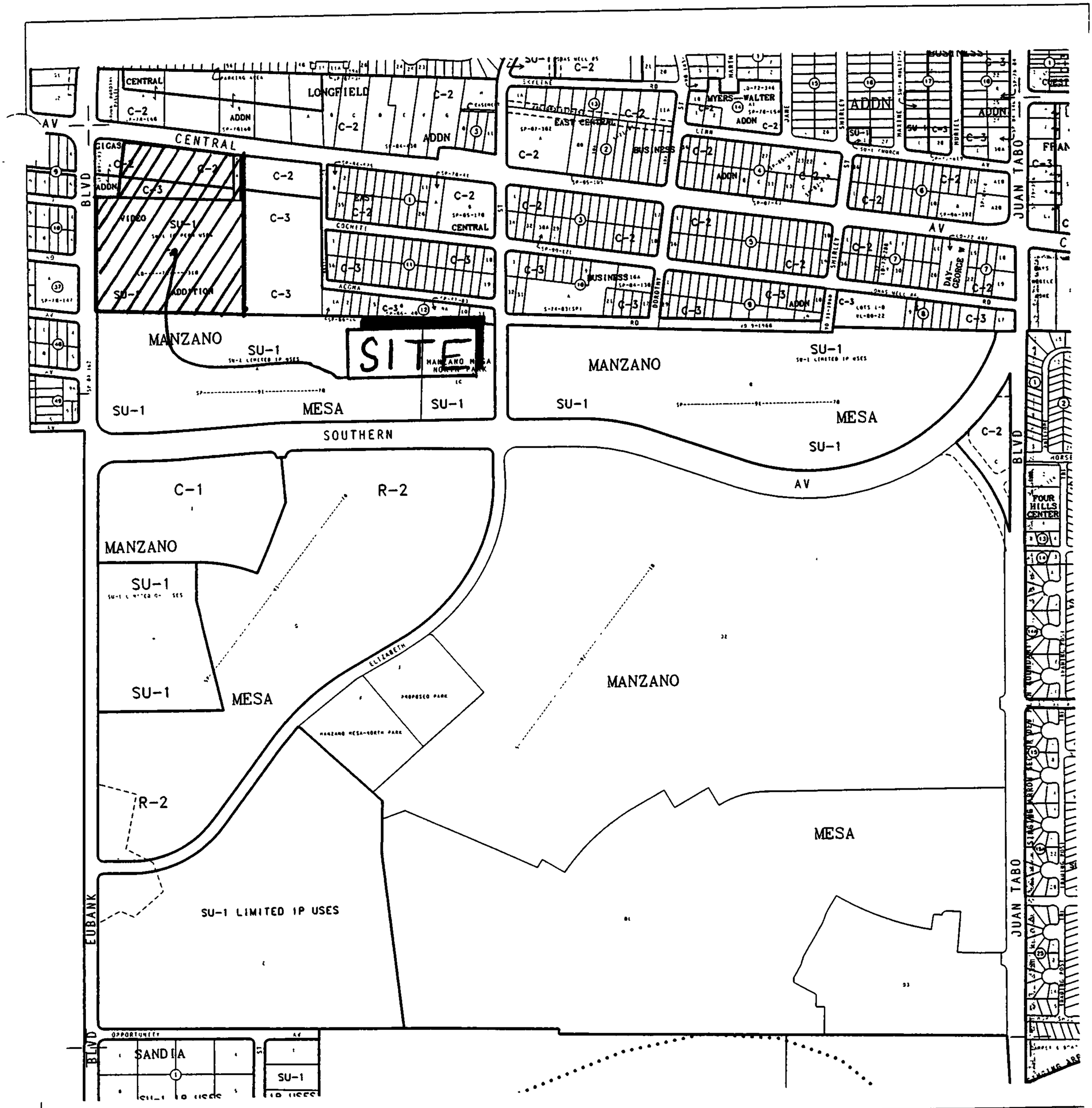
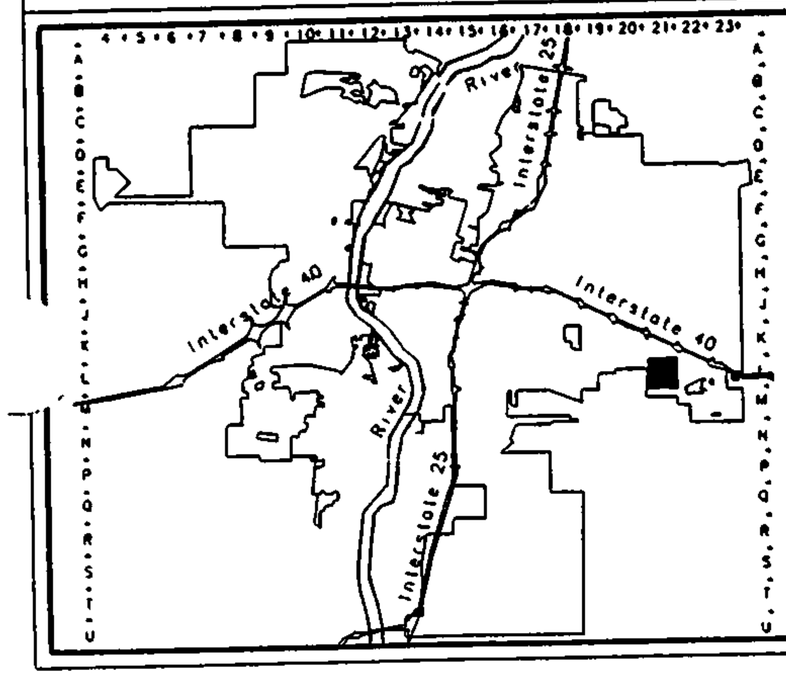
MAP POCKET

Grading And Drainage Plan





North

750 375 0 750

Scale 1" = 750'

Albuquerque Geographic Information System

City of Albuquerque

© Planning Department July 04, 1993

LEGAL DESCRIPTION

T10N

R4E

SEC 28

UNIFORM PROPERTY CODE

1-021-056

L-21-Z

DRAINAGE REPORT

LEGAL DESCRIPTION

The site is Tract A and B of Video Addition and parcels 1, 2 and 3, of the Way John Survey, filed for record in the County Clerk of Bernalillo County, New Mexico on June 5, 1991 in Volume 91C, Folio 112, containing 16.3802 acres (Zone Map L-21) which lies at the southeast corner of Eubank Boulevard and Central Avenue. The site does not lie within designated Flood Hazard Zone.

PURPOSE AND SCOPE

This Tract is proposed to be built in three phases. Phase I is Retail Development Center and will include a new building, garden center, and paved parking. Phase II will include two future pad and extra parking spaces. Phase III will include another pad and more parking spaces.

DESIGN CRITERIA

The hydrological aspects of the site were evaluated using AMAFCA's AHYMO program according to guidelines presented in the City of Albuquerque DPM, Section 22.2 (January 1993).

OFF-SITE DRAINAGE

The only off-site run-off impact includes the run-off from the east side of the Tract, which is prevented by an existing wall and drained around the south side of the lot to Eubank Boulevard. All of the off-site flows will surface flow or drain through a drainage system to the exiting 54" storm drainage pipe on Eubank Boulevard and a 84" storm drainage pipe on Central Avenue.

ON-SITE DRAINAGE

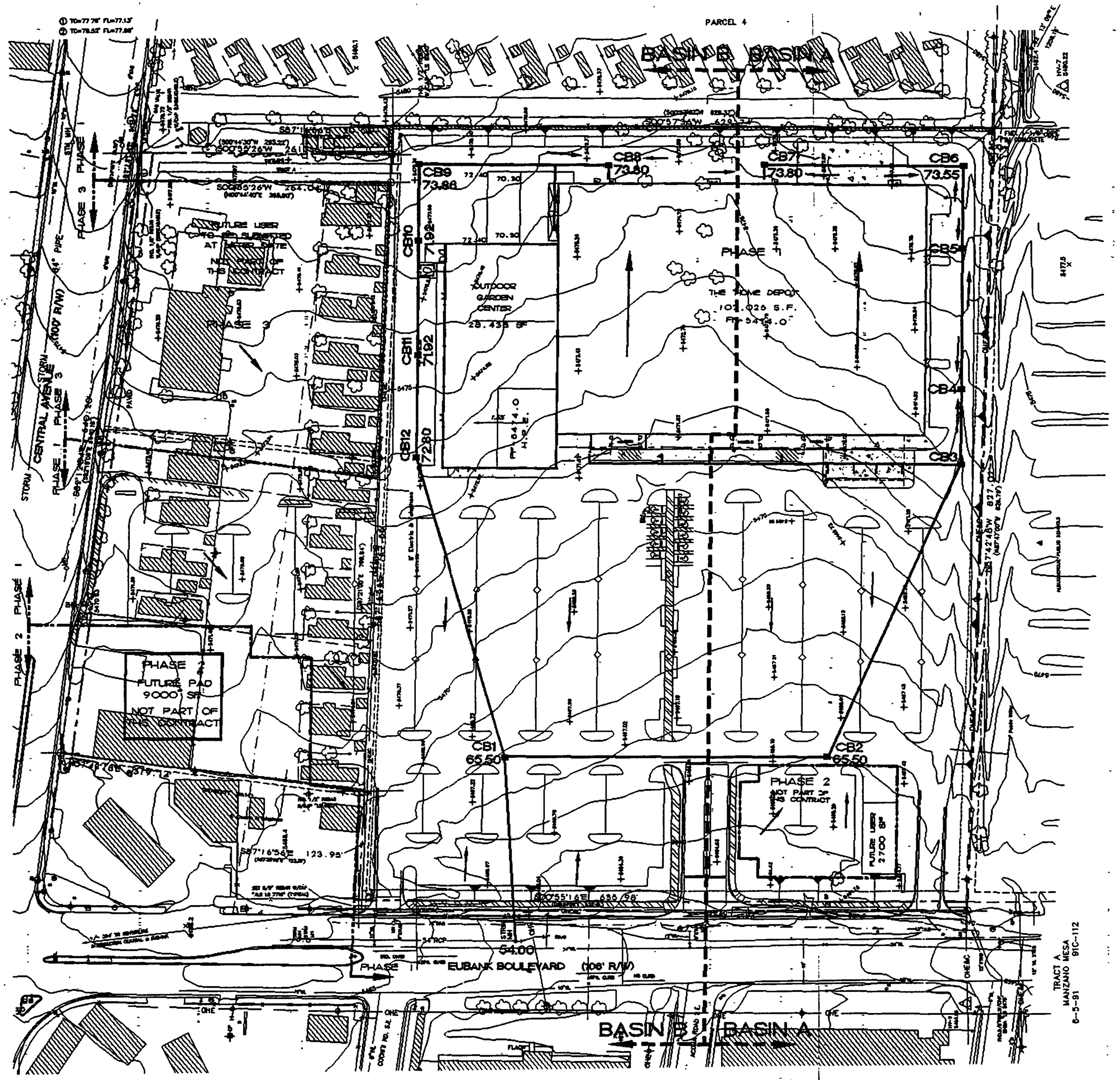
A portion of this Tract is an existing Mobile Home Park that is partly vacated as part of Phase I construction, and all the Mobile Home Park will be vacated as Phase II and III goes under construction. The runoff from this Mobile Home Park is drained to an existing 84" storm drainage pipe on Central Avenue.

Based on the new development proposal, the entire is Tract is proposed to drain, through a series of catch basins and via surface flow, to the west side of the Tract where it will be ponded and released to an existing storm drain manhole. The site

is divided in two different Basins, A and B, with a fully developed runoff of 78.16 cfs.

Basin A, with a runoff of 24.45 cfs will be ponded on the west side of the basin and released at a rate of 0.77 cfs, creating a ponding water surface elevation of 67.41'. The runoff from Basin A is to drain through catch basin 2 to catch basin 1 on Basin B.

Basin B, with a runoff of 53.71 cfs and the runoff from basin A of 0.77 cfs, totaling 54.48 cfs which is ponded on site and released at a rate of 3.05 cfs creating a ponding water surface elevation of 67.60'. Runoff from Basin b drains to an existing storm sewer manhole on Eubank Boulevard where it drains into a 54" storm sewer manhole.



DRAINAGE MAP

SAMPLE CALCULATIONS FOR BASIN A

The site is @ Zone 3, From Fig. A, Pg. 2, DPM Section 22.2

Basin A, Area = 5.1161 acres.

PROPOSED LAND TREATMENT:

90% D, 10% B

DEPTH (INCHES) @ 100-YEAR STORM:

P_{60} = 2.14 inches, P_{360} = 2.60 inches, P_{1440} = 3.10 inches

DEPTH (INCHES) @ 10-YEAR STORM:

P_{60} = 2.14 x 0.667 = 1.43 inches, P_{360} = 1.73, P_{360} = 2.07

TIME OF CONCENTRATION:

T_c = 12 min
T_p = ⅔T_c = ⅔*12 = 8 min = 0.1333 hr

$Q_{p\text{-}100yr}$ = 24.45 cfs, Vol. = 0.943 AC-FT
$Q_{p\text{-}10yr}$ = 15.94 cfs, Vol. = 0.589 AC-FT

TABLE 1.

UNDER EXISTING CONDITIONS

DRAINAGE BASIN	AHYMO NO	Qp–100YR (CFS)	V–RUNOFF (AC–FT)	AHYMO NO	Qp–10YR (CFS)	V–RUNOFF (AC–FT)
A	102.10	13.29	0.393	104.10	5.97	0.152
B	102.20	29.19	0.863	104.20	13.12	0.333

UNDER PROPOSED CONDITIONS

DRAINAGE BASIN	AHYMO NO	Qp–100YR (CFS)	V–RUNOFF (AC–FT)	AHYMO NO	Qp–10YR (CFS)	V–RUNOFF (AC–FT)
A	101.10	24.45	0.943	103.10	15.94	0.589
B	101.20	53.71	2.072	103.20	35.02	1.294

DRAINAGE BASIN	FLOW OUT OF POND	ORIFICE PLATE SIZE ON PIPE COMING OUT OF BASIN
A	0.77	4"
B	3.05	8"

PIPE SIZING

A computer program, which uses mannings equation, is used to check the capacity of the drainage pipes used.

$$Q = \frac{1.486}{n} A R^{\frac{2}{3}} S^{\frac{1}{2}}$$

See attached program output for a 36" RCP pipe which drains the runoff from catch basin 1 to existing storm sewer manhole.

The attached Table 2 includes the information on the drainage pipes connecting the catch basins, and Table 3 which includes the catch basin information.

Circular Channel Analysis & Design
Solved with Manning's Equation

Open Channel - Uniform flow

Worksheet Name: STORM PIPE

Comment: PIPE SIZE FROM CB 1 TO EXITING STORM MH

Solve For Actual Depth

Given Input Data:

Diameter.....	3.00 ft
Slope.....	0.0164 ft/ft
Manning's n.....	0.012
Discharge.....	78.16 cfs

Computed Results:

Depth.....	2.11 ft
Velocity.....	14.68 fps
Flow Area.....	5.32 sf
Critical Depth....	2.75 ft
Critical Slope....	0.0102 ft/ft
Percent Full.....	70.48 %
Full Capacity.....	92.53 cfs
QMAX @.94D.....	99.54 cfs
Froude Number.....	1.85 (flow is Supercritical)

Open Channel Flow Module, Version 3.12 (c) 1990
Haestad Methods, Inc. * 37 Brookside Rd * Waterbury, Ct 06708

TABLE 2.

CATCH BASIN CONNECTIONS	L. F.	PIPE USED	SLOPE
Route 1			
CB 8 TO 9	200.00	18"–PVC	1.00 %
CB 9 TO 10	81.73	18"–PVC	1.00 %
CB 10 TO 11	120.00	18"–PVC	1.00 %
CB 11 TO 12	108.27	18"–PVC	1.00 %
CB 12 TO 1	330.20	18"–PVC	1.481 %
CB 1 TO MH	194.38	36"–RCP	1.00 %
Route 2			
CB 7 TO 6	210.00	18"–PVC	1.00 %
CB 6 TO 5	87.50	18"–PVC	1.00 %
CB 5 TO 4	147.50	18"–PVC	1.00 %
CB 4 TO 3	81.00	18"–PVC	1.00 %
CB 3 TO 2	338.00	18"–PVC	1.00 %
CB 2 TO 1	338.00	24"–RCP	1.00 %

TABLE 3.

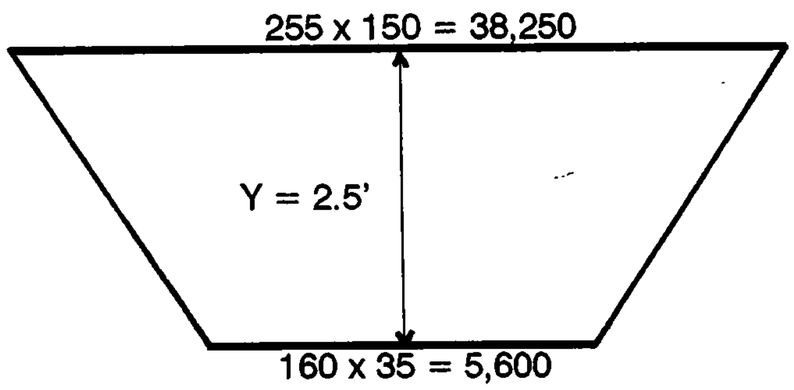
CATCH BASIN	GRATE (FT)	INV. IN (FT)	INV. OUT (FT)
B1	65.50	57.28	57.18
B2	65.50	60.76	60.66
B3	73.34	62.24	62.14
B4	73.55	65.15	65.05
B5	73.55	66.73	66.63
B6	73.55	67.70	67.6
B7	73.80	69.80	69.7
B8	73.80	67.77	67.67
B9	73.86	65.67	65.57
B10	72.20	64.75	64.65
B11	72.20	63.45	63.35
B12	72.20	62.27	62.17

See "Catch Basin Locations" sheet for catch basin locations.

CATCH BASIN LOCATIONS

VOLUME OF THE POND

@ BC 2



[38250 – 5600] / 2.5 = 13060.00 SF / FT

FOR EXAMPLE:

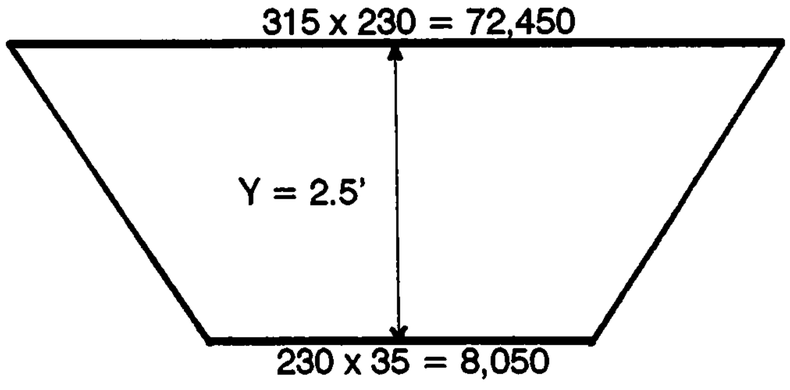
@ Y = 1.5

Cross–sectional Area = 5600 + 13060 * 1.5 = 25190.00 SF
Volume = [(5600 + 13060) / 2] * 1.5 = 23092.50 CF

TABLE 4

depth	area SF	volume CF	volume AC–FT
0.25	8865.00	1808.13	0.04151
0.50	12130.00	4432.50	0.10176
0.75	15395.00	7873.13	0.18074
1.00	18660.00	12130.00	0.27847
1.25	21925.00	17203.13	0.39493
1.50	25190.00	23092.50	0.53013
1.75	28455.00	29798.13	0.68407
2.00	31720.00	37320.00	0.85675

@ BC 1



[72450 – 8050] / 2.5 = 25760.00 SF / FT

FOR EXAMPLE:

@ Y = 1.5

Cross–sectional Area = 8050 + 25760 * 1.5 = 46690.00 SF
Volume = [(46690 + 8050) / 2] * 1.5 = 41055.00 CF

TABLE 5

depth	area SF	volume CF	volume AC–FT
0.25	14490.00	2817.50	0.06468
0.50	20930.00	7245.00	0.16632
0.75	27370.00	13282.50	0.30492
1.00	33810.00	20930.00	0.48048
1.25	40250.00	30187.50	0.69301
1.50	46690.00	41055.00	0.94249
1.75	53130.00	53532.50	1.22893
2.00	59570.00	67620.00	1.55234
2.25	66010.00	83317.50	1.91270

```
*****
***** Drainage Calculation for HOME DEPOT.
***** BASIN A - 100YR, FUTURE
*****
START                TIME=0.0
RAINFALL             TYPE=1 RAIN QUARTER=0.0 IN
                     RAIN ONE=2.14 IN RAIN SIX=2.60 IN
                     RAIN DAY=3.10 IN DT=0.03333 HR
COMPUTE NM HYD       ID=1 HYD NO=101.1 AREA=0.007994 SQ MI
                     PER A=0.00 PER B=10.00 PER C=0.00 PER D=90.00
                     TP=0.1333 HR MASS RAINFALL=-1
PRINT HYD            ID=1 CODE=1
*****
***** CHECKING THE PONDIG ON BASIN "A" USING AN 3" ORFICE PLATE
*****
ROUTE RESERVOIR      ID=2 HYD NO=501.1 INFLOW ID=1 CODE=24
                     OUTFLOW(CFS)      STORAGE(AC-FT)  ELEVATION(FT)
                         0.0000            0.00000          65.50
                         0.2801            0.04151          65.75
                         0.3962            0.10176          66.00
                         0.4852            0.18074          66.25
                         0.5602            0.27847          66.50
                         0.6264            0.39493          66.75
                         0.6862            0.53013          67.00
                         0.7411            0.68407          67.25
                         0.7923            0.85675          67.50
PRINT HYD            ID=2 CODE=1
*****
***** BASIN A - 100YR, EXISTING
*****
START                TIME=0.0
COMPUTE NM HYD       ID=1 HYD NO=102.1 AREA=0.007994 SQ MI
                     PER A=0.00 PER B=100.00 PER C=0.00 PER D=0.00
                     TP=0.1333 HR MASS RAINFALL=-1
PRINT HYD            ID=1 CODE=1
*****
***** BASIN B - 100YR, FUTURE
*****
START                TIME=0.0
COMPUTE NM HYD       ID=1 HYD NO=101.2 AREA=0.017568 SQ MI
                     PER A=0.00 PER B=10.00 PER C=0.00 PER D=90.00
                     TP=0.1333 HR MASS RAINFALL=-1
PRINT HYD            ID=1 CODE=1
*****
***** ADDING BASIN B AND OUTFLOW FROM BASIN A TO B.
*****
ADD HYD              ID=3 HYD 101.3 ID=1 ID=2
*****
***** CHECKING THE PONDIG ON BASIN "B" USING AN 8" ORFICE PLATE
*****
ROUTE RESERVOIR      ID=2 HYD NO=502.1 INFLOW ID=3 CODE=24
                     OUTFLOW(CFS)      STORAGE(AC-FT)  ELEVATION(FT)
                         0.0000            0.00000          65.50
                         1.0516            0.06468          65.75
                         1.4871            0.16632          66.00
                         1.8214            0.30492          66.25
                         2.1031            0.48048          66.50
                         2.3514            0.69301          66.75
                         2.5758            0.94249          67.00
                         2.7822            1.22893          67.25
                         2.9743            1.55234          67.50
                         3.1547            1.91270          67.75
PRINT HYD            ID=2 CODE=1
*****
***** BASIN B - 100YR, EXISTING
*****
START                TIME=0.0
COMPUTE NM HYD       ID=1 HYD NO=102.2 AREA=0.017568 SQ MI
                     PER A=0.00 PER B=100.00 PER C=0.00 PER D=0.00
                     TP=0.1333 HR MASS RAINFALL=-1
PRINT HYD            ID=1 CODE=1
*****

**********************************************************************
*****
***** BASIN A - 10YR, FUTURE
*****
START                TIME=0.0
RAINFALL             TYPE=1 RAIN QUARTER=0.0 IN
                     RAIN ONE=1.43 IN RAIN SIX=1.73 IN
```

```
                    RAIN DAY=2.07 IN DT=0.03333 HR
COMPUTE NM HYD      ID=1 HYD NO=103.1 AREA=0.007994 SQ MI
                    PER A=0.00 PER B=10.00 PER C=0.00 PER D=90.00
                    TP=0.1333 HR MASS RAINFALL=-1
PRINT HYD           ID=1 CODE=1
*****
***** BASIN A - 10YR, EXISTING
*****
START               TIME=0.0
COMPUTE NM HYD      ID=1 HYD NO=104.1 AREA=0.007994 SQ MI
                    PER A=0.00 PER B=100.00 PER C=0.00 PER D=0.00
                    TP=0.13333 HR MASS RAINFALL=-1
PRINT HYD           ID=1 CODE=1
*****
*****
***** BASIN B - 10YR, FUTURE
*****
START               TIME=0.0
COMPUTE NM HYD      ID=1 HYD NO=103.2 AREA=0.017568 SQ MI
                    PER A=0.00 PER B=10.00 PER C=0.00 PER D=90.00
                    TP=0.1333 HR MASS RAINFALL=-1
PRINT HYD           ID=1 CODE=1
*****
***** BASIN B - 10YR, EXISTING
*****
START               TIME=0.0
COMPUTE NM HYD      ID=1 HYD NO=104.2 AREA=0.017568 SQ MI
                    PER A=0.00 PER B=100.00 PER C=0.00 PER D=0.00
                    TP=0.1333 HR MASS RAINFALL=-1
PRINT HYD           ID=1 CODE=1
*****
FINISH
```

AHYMO SUMMARY TABLE (AHYMO392) - AMAFCA VERSION OF HYMO - MARCH, 1992 RUN DATE (MON/DAY/YR) =05/03/1994
USER NO.= R_BOHANN.S92
INPUT FILE = AAA.DAT

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	NOTATION	
										TIME=	.00
START										RAIN6=	2.600
RAINFALL TYPE= 1										PER IMP=	90.00
COMPUTE NM HYD	101.10	-	1	.00799	24.45	.943	2.21184	1.500	4.779	AC-FT=	.796
ROUTE RESERVOIR	501.10	1	2	.00799	.77	.909	2.13105	2.566	.151	TIME=	.00
START										PER IMP=	.00
COMPUTE NM HYD	102.10	-	1	.00799	13.29	.393	.92096	1.500	2.597	TIME=	.00
START										PER IMP=	90.00
COMPUTE NM HYD	101.20	-	1	.01757	53.71	2.072	2.21184	1.500	4.777		
ADD HYD	101.30	1& 2	3	.02556	54.26	2.981	2.18657	1.500	3.317		
ROUTE RESERVOIR	502.10	3	2	.02556	3.05	2.963	2.17322	2.433	.186	AC-FT=	1.694
START										TIME=	.00
COMPUTE NM HYD	102.20	-	1	.01757	29.19	.863	.92096	1.500	2.596	PER IMP=	.00
START										TIME=	.00
RAINFALL TYPE= 1										RAIN6=	1.730
COMPUTE NM HYD	103.10	-	1	.00799	15.94	.589	1.38160	1.500	3.116	PER IMP=	90.00
START										TIME=	.00
COMPUTE NM HYD	104.10	-	1	.00799	5.97	.152	.35547	1.533	1.167	PER IMP=	.00
START										TIME=	.00
COMPUTE NM HYD	103.20	-	1	.01757	35.02	1.294	1.38159	1.500	3.115	PER IMP=	90.00
START										TIME=	.00
COMPUTE NM HYD	104.20	-	1	.01757	13.12	.333	.35547	1.533	1.167	PER IMP=	.00

FINISH

```
    AHYMO PROGRAM (AHYMO392) - AMAFCA VERSION OF HYMO - MARCH, 1992
         RUN DATE (MON/DAY/YR) = 05/03/1994
         START TIME (HR:MIN:SEC) = 14:57:23     USER NO.= R_BOHANN.S92
         INPUT FILE = AAA.DAT

*****
***** Drainage Calculation for HOME DEPOT.
***** BASIN A - 100YR, FUTURE
*****
START                TIME=0.0
RAINFALL             TYPE=1 RAIN QUARTER=0.0 IN
                     RAIN ONE=2.14 IN RAIN SIX=2.60 IN
                     RAIN DAY=3.10 IN DT=0.03333 HR

                  COMPUTED 6-HOUR RAINFALL DISTRIBUTION BASED ON NOAA ATLAS 2 - PEAK AT 1.40 HR.
                  DT =     .033330 HOURS       END TIME =     5.999400 HOURS
                     .0000   .0027   .0055   .0084   .0113   .0143   .0173
                     .0204   .0236   .0269   .0302   .0337   .0372   .0408
                     .0445   .0484   .0523   .0564   .0606   .0649   .0694
                     .0741   .0789   .0839   .0892   .0946   .1003   .1063
                     .1126   .1192   .1262   .1322   .1385   .1452   .1597
                     .1922   .2422   .3139   .4119   .5407   .7049   .9093
                    1.1588  1.3904  1.4871  1.5687  1.6414  1.7074  1.7683
                    1.8247  1.8775  1.9270  1.9735  2.0174  2.0589  2.0982
                    2.1354  2.1707  2.2041  2.2359  2.2661  2.2737  2.2807
                    2.2875  2.2939  2.3001  2.3060  2.3117  2.3172  2.3226
                    2.3277  2.3328  2.3376  2.3423  2.3470  2.3514  2.3558
                    2.3601  2.3643  2.3683  2.3723  2.3762  2.3801  2.3838
                    2.3875  2.3911  2.3947  2.3982  2.4016  2.4050  2.4083
                    2.4115  2.4147  2.4179  2.4210  2.4241  2.4271  2.4301
                    2.4330  2.4359  2.4388  2.4416  2.4444  2.4472  2.4499
                    2.4526  2.4553  2.4579  2.4605  2.4631  2.4656  2.4681
                    2.4706  2.4731  2.4755  2.4779  2.4803  2.4827  2.4850
                    2.4873  2.4896  2.4919  2.4942  2.4964  2.4986  2.5008
                    2.5030  2.5052  2.5073  2.5094  2.5115  2.5136  2.5157
                    2.5177  2.5198  2.5218  2.5238  2.5258  2.5277  2.5297
                    2.5317  2.5336  2.5355  2.5374  2.5393  2.5412  2.5430
                    2.5449  2.5467  2.5486  2.5504  2.5522  2.5540  2.5557
                    2.5575  2.5593  2.5610  2.5627  2.5645  2.5662  2.5679
                    2.5696  2.5713  2.5729  2.5746  2.5762  2.5779  2.5795
                    2.5811  2.5828  2.5844  2.5860  2.5876  2.5891  2.5907
                    2.5923  2.5938  2.5954  2.5969  2.5984  2.6000

COMPUTE NM HYD       ID=1 HYD NO=101.1 AREA=0.007994 SQ MI
                     PER A=0.00 PER B=10.00 PER C=0.00 PER D=90.00
                     TP=0.1333 HR MASS RAINFALL=-1

    K =   .072649HR    TP =   .133300HR    K/TP RATIO =   .545000     SHAPE CONSTANT, N =  7.106420
    UNIT PEAK =   28.405    CFS   UNIT VOLUME =    .9990       B =   526.28      P60 = 2.1400
    AREA =      .007195 SQ MI    IA =    .10000 INCHES    INF =    .04000 INCHES PER HOUR
    RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330

    K =   .133656HR    TP =   .133300HR    K/TP RATIO =  1.002670     SHAPE CONSTANT, N =  3.520804
    UNIT PEAK =   1.9301    CFS   UNIT VOLUME =    .9932       B =   321.84      P60 = 2.1400
    AREA =      .000799 SQ MI    IA =    .50000 INCHES    INF =   1.25000 INCHES PER HOUR
    RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330

PRINT HYD            ID=1 CODE=1

                                  PARTIAL HYDROGRAPH   101.10


    RUNOFF VOLUME =     2.21184 INCHES     =        .9430 ACRE-FEET
    PEAK DISCHARGE RATE =      24.45 CFS  AT   1.500 HOURS   BASIN AREA =   .0080 SQ. MI.


*****
***** CHECKING THE PONDIG ON BASIN "A" USING AN 4" ORFICE PLATE
*****
ROUTE RESERVOIR      ID=2 HYD NO=501.1 INFLOW ID=1 CODE=24
                     OUTFLOW(CFS)      STORAGE(AC-FT)  ELEVATION(FT)
                         0.0000           0.00000          65.50
                         0.2801           0.04151          65.75
                         0.3962           0.10176          66.00
                         0.4852           0.18074          66.25
                         0.5602           0.27847          66.50
                         0.6264           0.39493          66.75
```

```
                    0.6862          0.53013         67.00
                    0.7411          0.68407         67.25
                    0.7923          0.85675         67.50

* * * * * * * * * * * * * * * * * * * *

  TIME      INFLOW     ELEV      VOLUME     OUTFLOW
  (HRS)     (CFS)      (FEET)    (AC-FT)    (CFS)

    .00        .00     65.50        .000        .00
    .80        .00     65.50        .000        .00
   1.60      16.88     66.83        .437        .64
   2.40       1.12     67.41        .794        .77
   3.20        .29     67.39        .779        .77
   4.00        .20     67.34        .744        .76
   4.80        .19     67.28        .707        .75
   5.60        .20     67.23        .671        .74
   6.40        .02     67.17        .632        .72
   7.20        .00     67.09        .585        .71
   8.00        .00     67.01        .539        .69
   8.80        .00     66.93        .494        .67
   9.60        .00     66.85        .450        .65
  10.40        .00     66.77        .408        .63
  11.20        .00     66.69        .367        .61
  12.00        .00     66.60        .327        .59
  12.80        .00     66.52        .289        .57
  13.60        .00     66.43        .252        .54
  14.40        .00     66.34        .218        .51
  15.20        .00     66.26        .185        .49
  16.00        .00     66.16        .153        .45
  16.80        .00     66.07        .124        .42
  17.60        .00     65.98        .098        .39
  18.40        .00     65.88        .073        .34
  19.20        .00     65.79        .052        .30
 PEAK DISCHARGE =          .774 CFS - PEAK OCCURS AT HOUR    2.57
 MAXIMUM WATER SURFACE ELEVATION =       67.412
 MAXIMUM STORAGE =          .7957 AC-FT      INCREMENTAL TIME=     .033330HRS

PRINT HYD           ID=2 CODE=1

                                OUTFLOW HYDROGRAPH RESERVOIR   501.10


    RUNOFF VOLUME =     2.13105 INCHES     =         .9086 ACRE-FEET
    PEAK DISCHARGE RATE =         .77 CFS  AT    2.566 HOURS   BASIN AREA =    .0080 SQ. MI.



*****
***** BASIN A - 100YR, EXISTING
*****
START               TIME=0.0
COMPUTE NM HYD      ID=1 HYD NO=102.1 AREA=0.007994 SQ MI
                    PER A=0.00 PER B=100.00 PER C=0.00 PER D=0.00
                    TP=0.1333 HR MASS RAINFALL=-1

    K =    .133656HR    TP =    .133300HR    K/TP RATIO =  1.002670     SHAPE CONSTANT, N =  3.520804
    UNIT PEAK =   19.301    CFS   UNIT VOLUME =     .9996       B =   321.84      P60 = 2.1400
    AREA =       .007994 SQ MI    IA =     .50000 INCHES    INF =   1.25000 INCHES PER HOUR
    RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =    .033330

PRINT HYD           ID=1 CODE=1

                                PARTIAL HYDROGRAPH   102.10


    RUNOFF VOLUME =       .92096 INCHES     =         .3926 ACRE-FEET
    PEAK DISCHARGE RATE =       13.29 CFS  AT    1.500 HOURS   BASIN AREA =    .0080 SQ. MI.



*****
***** BASIN B - 100YR, FUTURE
*****
START               TIME=0.0
COMPUTE NM HYD      ID=1 HYD NO=101.2 AREA=0.017568 SQ MI
                    PER A=0.00 PER B=10.00 PER C=0.00 PER D=90.00
                    TP=0.1333 HR MASS RAINFALL=-1

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

```
    UNIT PEAK =   62.423    CFS   UNIT VOLUME =    .9992       B =   526.28      P60 = 2.1400
    AREA =      .015811 SQ MI    IA =    .10000 INCHES    INF =    .04000 INCHES PER HOUR
    RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330


    K =   .133656HR    TP =   .133300HR    K/TP RATIO =  1.002670     SHAPE CONSTANT, N =  3.520804
    UNIT PEAK =   4.2417    CFS   UNIT VOLUME =    .9969       B =   321.84      P60 = 2.1400
    AREA =      .001757 SQ MI    IA =    .50000 INCHES    INF =   1.25000 INCHES PER HOUR
    RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330

PRINT HYD           ID=1 CODE=1

                                PARTIAL HYDROGRAPH   101.20


    RUNOFF VOLUME =     2.21184 INCHES     =       2.0724 ACRE-FEET
    PEAK DISCHARGE RATE =      53.71 CFS  AT   1.500 HOURS   BASIN AREA =   .0176 SQ. MI.



*****
***** ADDING BASIN B AND OUTFLOW FROM BASIN A TO B.
*****
ADD HYD             ID=3 HYD 101.3 ID=1 ID=2
*****
***** CHECKING THE PONDIG ON BASIN "B" USING AN 8" ORFICE PLATE
*****
ROUTE RESERVOIR     ID=2 HYD NO=502.1 INFLOW ID=3 CODE=24
                    OUTFLOW(CFS)      STORAGE(AC-FT)  ELEVATION(FT)
                        0.0000            0.00000         65.50
                        1.0516            0.06468         65.75
                        1.4871            0.16632         66.00
                        1.8214            0.30492         66.25
                        2.1031            0.48048         66.50
                        2.3514            0.69301         66.75
                        2.5758            0.94249         67.00
                        2.7822            1.22893         67.25
                        2.9743            1.55234         67.50
                        3.1547            1.91270         67.75

  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *  *

    TIME        INFLOW     ELEV       VOLUME     OUTFLOW
    (HRS)       (CFS)      (FEET)     (AC-FT)    (CFS)

      .00          .00     65.50         .000        .00
      .80          .00     65.50         .000        .00
     1.60        37.73     67.00         .947       2.58
     2.40         3.23     67.60        1.694       3.05
     3.20         1.42     67.55        1.624       3.01
     4.00         1.21     67.47        1.512       2.95
     4.80         1.16     67.38        1.397       2.88
     5.60         1.17     67.29        1.286       2.82
     6.40          .76     67.20        1.171       2.74
     7.20          .71     67.09        1.041       2.65
     8.00          .69     66.97         .915       2.55
     8.80          .67     66.85         .795       2.44
     9.60          .65     66.74         .681       2.34
    10.40          .63     66.61         .573       2.21
    11.20          .61     66.49         .472       2.09
    12.00          .59     66.35         .378       1.94
    12.80          .57     66.23         .293       1.79
    13.60          .54     66.09         .217       1.61
    14.40          .51     65.96         .151       1.42
    15.20          .49     65.83         .098       1.20
    16.00          .45     65.72         .057        .93
    16.80          .42     65.64         .037        .60
    17.60          .39     65.61         .029        .47
    18.40          .34     65.59         .024        .40
    19.20          .30     65.58         .021        .34
 PEAK DISCHARGE =        3.045 CFS - PEAK OCCURS AT HOUR    2.43
 MAXIMUM WATER SURFACE ELEVATION =       67.598
 MAXIMUM STORAGE =         1.6939 AC-FT      INCREMENTAL TIME=     .033330HRS

PRINT HYD           ID=2 CODE=1

                                OUTFLOW HYDROGRAPH RESERVOIR   502.10


    RUNOFF VOLUME =     2.17322 INCHES     =       2.9628 ACRE-FEET
```

```
    PEAK DISCHARGE RATE =       3.05 CFS  AT   2.433 HOURS   BASIN AREA =   .0256 SQ. MI.



*****
***** BASIN B - 100YR, EXISTING
*****
START                TIME=0.0
COMPUTE NM HYD       ID=1 HYD NO=102.2 AREA=0.017568 SQ MI
                     PER A=0.00 PER B=100.00 PER C=0.00 PER D=0.00
                     TP=0.1333 HR MASS RAINFALL=-1

    K =   .133656HR    TP =   .133300HR    K/TP RATIO =  1.002670     SHAPE CONSTANT, N =  3.520804
    UNIT PEAK =   42.417    CFS   UNIT VOLUME =    1.000       B =   321.84      P60 = 2.1400
    AREA =      .017568 SQ MI    IA =    .50000 INCHES    INF =   1.25000 INCHES PER HOUR
    RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330

PRINT HYD            ID=1 CODE=1

                                PARTIAL HYDROGRAPH   102.20


    RUNOFF VOLUME =      .92096 INCHES     =        .8629 ACRE-FEET
    PEAK DISCHARGE RATE =      29.19 CFS  AT   1.500 HOURS   BASIN AREA =   .0176 SQ. MI.

*****

**********************************************************************
*****
***** BASIN A - 10YR, FUTURE
*****
START                TIME=0.0
RAINFALL             TYPE=1 RAIN QUARTER=0.0 IN
                     RAIN ONE=1.43 IN RAIN SIX=1.73 IN
                     RAIN DAY=2.07 IN DT=0.03333 HR

                COMPUTED 6-HOUR RAINFALL DISTRIBUTION BASED ON NOAA ATLAS 2 - PEAK AT 1.40 HR.
                DT =    .033330 HOURS       END TIME =    5.999400 HOURS
                   .0000   .0017   .0035   .0053   .0072   .0091   .0110
                   .0130   .0151   .0171   .0193   .0215   .0237   .0260
                   .0284   .0308   .0334   .0359   .0386   .0414   .0443
                   .0472   .0503   .0535   .0569   .0604   .0640   .0678
                   .0718   .0761   .0806   .0845   .0887   .0933   .1029
                   .1246   .1580   .2060   .2715   .3575   .4672   .6038
                   .7705   .9253   .9899  1.0445  1.0930  1.1371  1.1778
                  1.2155  1.2508  1.2838  1.3150  1.3443  1.3720  1.3983
                  1.4231  1.4467  1.4691  1.4903  1.5105  1.5155  1.5202
                  1.5246  1.5289  1.5330  1.5369  1.5407  1.5444  1.5479
                  1.5513  1.5546  1.5578  1.5609  1.5640  1.5669  1.5698
                  1.5726  1.5754  1.5781  1.5807  1.5833  1.5858  1.5883
                  1.5907  1.5931  1.5954  1.5977  1.6000  1.6022  1.6044
                  1.6065  1.6087  1.6107  1.6128  1.6148  1.6168  1.6187
                  1.6207  1.6226  1.6245  1.6263  1.6282  1.6300  1.6318
                  1.6335  1.6353  1.6370  1.6387  1.6404  1.6421  1.6437
                  1.6454  1.6470  1.6486  1.6502  1.6517  1.6533  1.6548
                  1.6563  1.6578  1.6593  1.6608  1.6623  1.6637  1.6652
                  1.6666  1.6680  1.6694  1.6708  1.6722  1.6735  1.6749
                  1.6762  1.6776  1.6789  1.6802  1.6815  1.6828  1.6841
                  1.6853  1.6866  1.6879  1.6891  1.6903  1.6916  1.6928
                  1.6940  1.6952  1.6964  1.6976  1.6988  1.6999  1.7011
                  1.7022  1.7034  1.7045  1.7057  1.7068  1.7079  1.7090
                  1.7101  1.7112  1.7123  1.7134  1.7145  1.7156  1.7166
                  1.7177  1.7187  1.7198  1.7208  1.7219  1.7229  1.7239
                  1.7250  1.7260  1.7270  1.7280  1.7290  1.7300

COMPUTE NM HYD       ID=1 HYD NO=103.1 AREA=0.007994 SQ MI
                     PER A=0.00 PER B=10.00 PER C=0.00 PER D=90.00
                     TP=0.1333 HR MASS RAINFALL=-1

    K =   .072649HR    TP =   .133300HR    K/TP RATIO =   .545000     SHAPE CONSTANT, N =  7.106420
    UNIT PEAK =   28.405    CFS   UNIT VOLUME =    .9990       B =   526.28      P60 = 1.4300
    AREA =      .007195 SQ MI    IA =    .10000 INCHES    INF =    .04000 INCHES PER HOUR
    RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330


    K =   .138734HR    TP =   .133300HR    K/TP RATIO =  1.040765     SHAPE CONSTANT, N =  3.391950
    UNIT PEAK =   1.8732    CFS   UNIT VOLUME =    .9924       B =   312.36      P60 = 1.4300
    AREA =      .000799 SQ MI    IA =    .50000 INCHES    INF =   1.25000 INCHES PER HOUR
```

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

PRINT HYD           ID=1 CODE=1

                                PARTIAL HYDROGRAPH   103.10


    RUNOFF VOLUME =     1.38160 INCHES     =        .5890 ACRE-FEET
    PEAK DISCHARGE RATE =      15.94 CFS  AT   1.500 HOURS   BASIN AREA =   .0080 SQ. MI.



*****
***** BASIN A - 10YR, EXISTING
*****
START               TIME=0.0
COMPUTE NM HYD      ID=1 HYD NO=104.1 AREA=0.007994 SQ MI
                    PER A=0.00 PER B=100.00 PER C=0.00 PER D=0.00
                    TP=0.13333 HR MASS RAINFALL=-1

    K =   .138765HR    TP =   .133330HR    K/TP RATIO =  1.040765     SHAPE CONSTANT, N =  3.391950
    UNIT PEAK =   18.728    CFS   UNIT VOLUME =    .9993       B =   312.36      P60 = 1.4300
    AREA =      .007994 SQ MI    IA =    .50000 INCHES    INF =   1.25000 INCHES PER HOUR
    RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330

PRINT HYD           ID=1 CODE=1

                                PARTIAL HYDROGRAPH   104.10


    RUNOFF VOLUME =      .35547 INCHES     =        .1516 ACRE-FEET
    PEAK DISCHARGE RATE =       5.97 CFS  AT   1.533 HOURS   BASIN AREA =   .0080 SQ. MI.



*****
*****
***** BASIN B - 10YR, FUTURE
*****
START               TIME=0.0
COMPUTE NM HYD      ID=1 HYD NO=103.2 AREA=0.017568 SQ MI
                    PER A=0.00 PER B=10.00 PER C=0.00 PER D=90.00
                    TP=0.1333 HR MASS RAINFALL=-1

    K =   .072649HR    TP =   .133300HR    K/TP RATIO =   .545000     SHAPE CONSTANT, N =  7.106420
    UNIT PEAK =   62.423    CFS   UNIT VOLUME =    .9992       B =   526.28      P60 = 1.4300
    AREA =      .015811 SQ MI    IA =    .10000 INCHES    INF =    .04000 INCHES PER HOUR
    RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330


    K =   .138734HR    TP =   .133300HR    K/TP RATIO =  1.040765     SHAPE CONSTANT, N =  3.391950
    UNIT PEAK =   4.1167    CFS   UNIT VOLUME =    .9967       B =   312.36      P60 = 1.4300
    AREA =      .001757 SQ MI    IA =    .50000 INCHES    INF =   1.25000 INCHES PER HOUR
    RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330

PRINT HYD           ID=1 CODE=1

                                PARTIAL HYDROGRAPH   103.20


    RUNOFF VOLUME =     1.38159 INCHES     =       1.2945 ACRE-FEET
    PEAK DISCHARGE RATE =      35.02 CFS  AT   1.500 HOURS   BASIN AREA =   .0176 SQ. MI.



*****
***** BASIN B - 10YR, EXISTING
*****
START               TIME=0.0
COMPUTE NM HYD      ID=1 HYD NO=104.2 AREA=0.017568 SQ MI
                    PER A=0.00 PER B=100.00 PER C=0.00 PER D=0.00
                    TP=0.1333 HR MASS RAINFALL=-1

    K =   .138734HR    TP =   .133300HR    K/TP RATIO =  1.040765     SHAPE CONSTANT, N =  3.391950
    UNIT PEAK =   41.167    CFS   UNIT VOLUME =    .9998       B =   312.36      P60 = 1.4300
    AREA =      .017568 SQ MI    IA =    .50000 INCHES    INF =   1.25000 INCHES PER HOUR
    RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT =   .033330

PRINT HYD           ID=1 CODE=1
```

DEVELOPMENT & BUILDING SERVICE CENTER
ONE STOP
600 SECOND ST. N.W./2ND FLOOR
ATTENTION: Arlene
505-924-3900

Records Withdrawal Form

Project No. L21 D45 **Date:** 12/27/00

Project Title: Home Depot

a. (File) b. Mylars c. Redlines/Comments
d. Other _____

Requested By: Terry Wist **Phone No.:** 858-8100
Company

Comments: _____

Anticipated Return Date: 12/28/00

Receipt Acknowledged

I here by 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 & Building Services Center on or before the indicated anticipated return date.

Delivery Picked Up By:

Name: Ray Valdez Reliable **Organization:** Reliable
Print

Signed: Ray Valdez **Date:** 12-27-00
Phone No. 247-5788

Office Use Only

Return Acknowledged

Received by: Arlene V. Portillo **Date:** 12-28-00
Print

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

November 28, 2000

Home Depot
200 Eubank Blvd. SE
Albuquerque, NM 87123

CERTIFIED MAIL-RETURN
RECEIPT REQUESTED

Re:

Drainage Plan L21/D45, Approved May 11, 1994
Tax Code Parcel ID # 10210560504302024O

NOTICE AND ORDER

Pursuant to Chapter 14, Article 5, City of Albuquerque Revised Ordinances (Flood Hazard and Drainage Control Ordinance), this Notice and Order is being issued on the property located at 200 Eubank Blvd. S.E., currently doing business as Home Depot.

FINDINGS

The above described was recently inspected by City of Albuquerque Public Works Hydrology staff. The inspection revealed that the property is in violation of the City's Flood Hazard and Drainage Control Ordinance requiring property owners to maintain storm drainage facilities to City Engineer standards. The property is also in violation of the approved drainage plan in the following respects.

The approved grading and drainage report, Engineer's stamp dated May 5, 1994, indicates two areas for storm water ponding in the paved parking lot. The areas are located on the plan near CB1 and CB2, and contours are shown to identify limits of 100-year water surface.

The approved grading and drainage report indicates that ponding areas will be utilized to provide a maximum discharge rate of 3.0 cfs from the site, and that CB1, the inlet located near the northwest portion of the site near Eubank Blvd., will have an 8 inch diameter orifice plate installed to provide the desired discharge rate.

ORDER

In order to comply with the approved drainage plan for 200 Eubank Blvd. S.E., and abate potential hazardous flood conditions, the following items must be addressed immediately.

1. Pursuant to the field inspection, the orifice plate is not currently in-place in CB1. The orifice plate must be installed within 14 days from receipt of this Notice and Order.

Please be aware that the City staff can assist you in recommendations on the type of installation that will meet the City requirements.

If you have any questions concerning the above, please contact Loren Meinz, City Hydrologist, at 924-3980.

Sincerely,

Fred Aguirre, P.E.
City Engineer

c: Andrew Garcia, Zoning Enforcement
Loren Meinz, P.E., City Hydrologist
Kevin Curran, Legal Department

L21d45no

Tierra West Development
Management Services

July 10, 1995

Mr. Bernie J. Montoya
City Hydrology
Post Office Box 1293
Albuquerque, New Mexico 87103

Re: Grading Certification Home Depot II
Drainage File D21/D5F

Dear Bernie:

Enclosed please find the grading certification for the above referenced project. The grades are in compliance with the approved grading plan and the pond volume built as designed. The conveyances and grades are in compliance with the drainage concept.

Should you have any questions concerning this letter or any other matter pertaining to this project, please do not hesitate to contact me.

Sincerely,

Ronald R. Bohannan, P.E.

Enclosure

cc: Kathy Lovell
Forrest - Big D

Job No 930038
RRB/cr

RECEIVE
JUL 14 1995
HYDROLOGY DIV

4421 McLeod Rd. NE, Suite D • Albuquerque, NM 87109 • (505) 883-7592

DRAINAGE INFORMATION SHEET

PROJECT TITLE: HOME DEPOT ZONE ATLAS/DRNG. FILE #: L-21 / D45

DRB #: 94-188 EPC #: Z-94-45 WORK ORDER #:

LEGAL DESCRIPTION: TRACT A & B OF VIDEO ADDTION AND PARCELS 1, 2 & 3

CITY ADDRESS: 200 Eubank, SE 87123

ENGINEERING FIRM: TIERRA WEST DEV. MAGT. SER. CONTACT: RONALD R. BOHANNAN OR SHAHAB BIAZAR

ADDRESS: 4600 MONTGOMERY NE SUITE #3, 87109 PHONE: (505) 883-7592

OWNER: HOME DEPOT INC. U.S.A. CONTACT: Greg George

ADDRESS: 601 S. Placentia, Fullerton, CA 92631 PHONE: (714) 526-8530

ARCHITECT: GREENBERG FARROW CONTACT: LARRY SLONIM

ADDRESS: 17941 FITCH RD. 2ND FLOOR, IRVINE, CA 92714 PHONE: (714) 833-7444

SURVEYOR: ALDRICH LAND SURVEYING CONTACT: TIM ALDRICH

ADDRESS: P.O. BOX 30701, 87190 PHONE: (505) 884-1990

CONTRACTOR: CONTACT:

ADDRESS: PHONE:

TYPE OF SUBMITTAL:

- X DRAINAGE REPORT
- ___ DRAINAGE PLAN
- ___ CONCEPTUAL GRADING & DRAINAGE PLAN
- X GRADING PLAN
- ___ EROSION CONTROL PLAN
- ___ ENGINEER'S CERTIFICATION
- ___ OTHER

PRE-DESIGN MEETING:

- X YES
- ___ NO
- ___ COPY PROVIDED

CHECK TYPE OF APPROVAL SOUGHT:

- ___ SKETCH PLAN APPROVAL
- ___ PRELIMINARY PLAT APPROVAL
- ___ S. DEV. PLAN FOR SUB'D. APPROVAL
- X S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
- ___ SECTOR PLAN APPROVAL
- ___ FINAL PLAN APPROVAL
- ___ FOUNDATION PERMIT APPROVAL
- X BUILDING PERMIT APPROVAL
- ___ CERTIFICATE OF OCCUPANCY APPROVAL
- X GRADING PERMIT APPROVAL
- ___ PAVING PERMIT APPROVAL
- ___ S. A. D. DRAINAGE REPORT
- ___ DRAINAGE REQUIREMENTS
- ___ OTHER ___ (SPECIFY)

DATE SUBMITTED: 5/05/94

BY: SHAHAB BIAZAR

RECEIVED
MAY - 5 1994

Tierra West Development
Management Services

May 5, 1994

Mr. Fred Aquirre
City Hydrology
Post Office Box 1293
Albuquerque, NM 87103

Re: Tract A & B and Parcels 1, 2 & 3, The Home Depot, Zone Atlas Sheet L-21.

Dear Mr. Aquirre;

Please review the enclosed copy of the Grading and Drainage Plan for site development plan building permit approval.

Per our predesign meeting with you on January 14, 1994, the runoff from the side will be drained to the exiting 54" storm drainage pipe over a 24 hour period. The site is divided into two sub-basins, using the parking lot for ponding area. Phase II will be ponded with the rest of the run-off from Phase I on-site. Phase III, is an existing mobile home park and the future development will be drained the same way as Phase I and II drainage system.

The 100 year water surface elevation for each of the ponding areas are shown on the Grading and Drainage Plan. We have also set up emergency spillways for each basin by altering some grade elevations and maintaining the one foot water blocks at all the entrances. The emergency overflow for basins will drain to the south side of the Tract then out the entrances discharging to Eubank Boulevard.

We will make application with DRC, showing the drainage pipe connection with the existing 54" storm drain pipes.

All roof drains will be connected to the proposed storm sewer.

RECEIVED
MAY - 5 1994
HYDRO

4600 Montgomery Boulevard NE Suite. 3 • Albuquerque, NM 87107 • (505) 833-7592

If you should have any questions, please do not hesitate to contact me.

Sincerely,

Shahab Biazar

Enclosure

Job No: 930038

CITY OF
Albuquerque

City of Albuquerque

P. O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103
PUBLIC WORKS DEPARTMENT

August 7, 1995

CERTIFICATE OF COMPLETION AND ACCEPTANCE

Home Depot U.S.A., Inc.
601 South Placentia
Fullerton, CA 92331

RE: PROJECT NO. 4961.80 HOME DEPOT II (MAP NO. L-21)

Dear Mr. Sir:

This is to certify that the City of Albuquerque accepts Project No. 4961.80 as being completed according to approved plans and construction specifications. Please be advised this certificate of completion and acceptance shall only become effective upon final plat approval and filing in the office of the Bernalillo County Clerk's Office.

The project is described as follows:

Constructed deceleration lanes, curb and gutter, sidewalk, valley gutters on Central and on Eubank. Also, installed water and sewerlines and tied into existing sytems on Eubank. Tied in new storm sewer into existing storm sewer on Eubank. And paved deceleration lanes.

The contractor's correction period began the date of this letter and is effective for a period of one (1) year.

RECEIVED
AUG 10 1995
HYDROLOGY DIV.

Sincerely,

Rick Roybal, P.E.
City Engineer,
Engineering Group
Public Works Department

Sincerely,

Russell B. Givler, P.E.
Chief Construction Engineer,
Engineering Group
Public Works Department

cc: Shahab Biazar, Tierra West Engineering
Cambro Construction
Fred Aguirre; Engineering Group, PWD
Theresa Lucero, Engineering Group, PWD
Terri Martin, Engineering Group, PWD
Martin Barker, Engineering Group, PWD
Linda Adamsko, Special Assessments, DFM
Sam Hall, Operations Group, PWD
Jim Fink, Operations Group, PWD
Dean Wall, Engineering Group, PWD
Stuart Reeder, Water/Wastewater Group, PWD
Ray Chavez, Traffic Engineering, PWD
Josie Gutierrez, New Meter Sales, Finance Group, PWD
Richard Zamora, Engineering Group, PWD
f/Project No. 4961.80
f/Readers
f/Warranty:Contract

DRAINAGE INFORMATION SHEET

Z21/045

PROJECT TITLE: HOME DEPOT ZONE ATLAS/DRNG. FILE #: ~~D21/D3F~~

DRB #: 94-188 EPC #: Z-94-45 WORK ORDER #:

LEGAL DESCRIPTION: TRACT A & B OF VIDEO ADDITION AND PARCELS 1, 2, & 3

CITY ADDRESS: 200 EUBANK SE, ALBUQUERQUE, NM 87123

ENGINEERING FIRM: TIERRA WEST DEV. MGMT. SER CONTACT: RONALD R. BOHANNAN

ADDRESS: 4421 McLEOD RD NE SUITE D, 87109 PHONE: (505) 883-7592

OWNER: HOME DEPOT INC. U.S.A. CONTACT: GREG GEORGE

ADDRESS: 601 S. PLACENTIA, FULLERTON, CA 92631 PHONE: (714) 526-8530

ARCHITECT: GREENBERG FARROW CONTACT: LARRY SLONIM

ADDRESS: 17941 FITCH RD, IRVINE, CA 92714 PHONE: (714) 833-7444

SURVEYOR: PRECISION SURVEYS CONTACT: LARRY MEDRANO

ADDRESS: 2929 COORS BLVD. SUITE 105 PHONE: (505) 839-0569

CONTRACTOR: CONTACT:

ADDRESS: PHONE:

TYPE OF SUBMITTAL:

____ DRAINAGE REPORT
____ DRAINAGE PLAN
____ CONCEPTUAL GRADING & DRAINAGE PLAN
____ GRADING PLAN
____ EROSION CONTROL PLAN
X ENGINEER'S CERTIFICATION
____ OTHER

PRE-DESIGN MEETING:

____ YES
X 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
X CERTIFICATE OF OCCUPANCY APPROVAL
____ GRADING PERMIT APPROVAL
____ PAVING PERMIT APPROVAL
____ S. A. D. DRAINAGE REPORT
____ DRAINAGE REQUIREMENTS
____ OTHER ____ (SPECIFY)

DATE SUBMITTED: 7/10/95

BY: RONALD R. BOHANNAN

RECEIVED
JUL 14 1995
HYDROLOGY DIVISION

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

December 27, 1994

Ronald R. Bohannan
Tierra West Dev. Mgmt. Serv.
4600 Montgomery NE, Suite #3
Albuquerque, NM 87109

RE: TEMPORARY CERTIFICATE OF OCCUPANCY RELEASE FOR HOME DEPOT (L-21/D45) ENGINEER'S STAMP DATED 12/23/94

Dear Mr. Bohannan:

Based upon the information supplied in your 12/27/94 submittal, the referenced project is approved for Temporary Certificate of Occupancy. I look forward to reviewing your Certification once all storm drainage related work is completed.

If I can be of further assistance, feel free to contact me at 768-3622.

Cordially,

Scott Davis
PWD, Hydrology Division

c: Andrew Garcia
File

DRAINAGE INFORMATION SHEET

D45

PROJECT TITLE: *HOME DEPOT* ZONE ATLAS/DRNG. FILE #: *L-21/~~D6F~~*

DRB #: *94-186* EPC #: *Z-94-45* WORK ORDER #: _____

LEGAL DESCRIPTION: *TRACT A & B OF VIDEO ADDITION AND PARCELS 1, 2 & 3*

CITY ADDRESS: *200 EUBANK SE, 87123*

ENGINEERING FIRM: *TIERRA WEST DEV. MGMT. SER* CONTACT: *RONALD R. BOHANNAN*

ADDRESS: *4600 MONTGOMERY NE SUITE #3, 87109* PHONE: *(505) 883-7592*

OWNER: *HOME DEPOT, INC. U.S.A.* CONTACT: *GREG GEORGE*

ADDRESS: *1516 SAN PEDRO NE, ALB. NM 87110* PHONE: *(714) 526-8530*

ARCHITECT: *GREENBERG FARROW* CONTACT: *KATHY LOVELL*

ADDRESS: *17941 FITCH RD, 2ND FLR, IRVINE, CA 92714* PHONE: *(714) 833-7444*

SURVEYOR: *ALDRICH LAND SURVEYING* CONTACT: *TIM ALDRICH*

ADDRESS: *P.O.BOX 30701, ALBUQUERQUE, NM 87190* PHONE: *(505) 884-1990*

CONTRACTOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

TYPE OF SUBMITTAL:

_____ DRAINAGE REPORT

_____ DRAINAGE PLAN

_____ CONCEPTUAL GRADING & DRAINAGE PLAN

_____ GRADING PLAN

_____ EROSION CONTROL PLAN

X 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

X OTHER SIA RELEASE (SPECIFY)

DATE SUBMITTED: *12/23/94*

BY: *RONALD R. BOHANNAN*

Received By: _____

DEC 27 1994

Tierra West Development
Management Services

December 23, 1994

Mr. Scott Davis
City Hydrology
Post Office Box 1293
Albuquerque, New Mexico 87103

Re: Grading Certification Home Depot II Eubank & Central
Drainage File L-21/D5F

Dear Scott:

Enclosed please find the grading certification for the above referenced project. The grades are in compliance with the approved grading plan and the volume built as designed. The storm sewer connection has been made but the entrances in the right-of-way under the work order have not been completed. Those entrances along with the entrance from Central will be certified upon completion.

Home Depot is requesting a 30 day temporary certificate of occupancy while these items are being finalized. Should you have any questions concerning this letter or any other matter pertaining to this project, please do not hesitate to contact me.

Sincerely,

Ronald R. Bohannan, P.E.

Enclosure

cc: Kathy Lovell

Job No 930038
RRB/cr

DEC 2 7 1994

4600 Montgomery Boulevard NE, Suite 3 • Albuquerque, NM 87109 • (505) 883-7592

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

May 11, 1994

Mr. Ronald R. Bohannan
Tierra West Dev. Magt. Ser.
4600 Montgomery NE Suite #3
Albuquerque, NM 87109

RE: GRADING & DRAINAGE SUBMITTAL FOR HOME DEPOT (L-21/D45) ENGINEER'S STAMP DATED 5/5/94

Dear Mr. Bohannan:

Based upon your 5/5/94 submittal, the referenced project is approved for Site Development, Grading Permit and Building Permit. Please be advised that a Work Order will be required for any construction within a Public right-of-way. Also, prior to Certificate of Occupancy release, we will need Engineer's Certification per the Certification Checklist. Finally, keep in mind that the contractor should be advised that a copy of this letter should be attached to the approved set of construction drawings.

If I can be of further assistance, feel free to contact me at 768-3622.

Cordially,

Scott Davis
PWD, Hydrology Division

(WP+8515)

c: Andrew Garcia
File

THE CITY OF ALBUQUERQUE IS AN EQUAL OPPORTUNITY/REASONABLE ACCOMMODATION EMPLOYER

Note To file:

Spoke to Shahab Biazar on 8/4/97
and advised him that the panding
at the Homedepot doe not seem to
be functioning. He will check & advise
PJM

FOR _____ DESCRIPTION _____

PREPARED BY _____ DATE _____ FILE _____

CHECKED BY _____ SHEET ____ of ____

ALBUQUERQUE PUBLIC WORKS DEPARTMENT