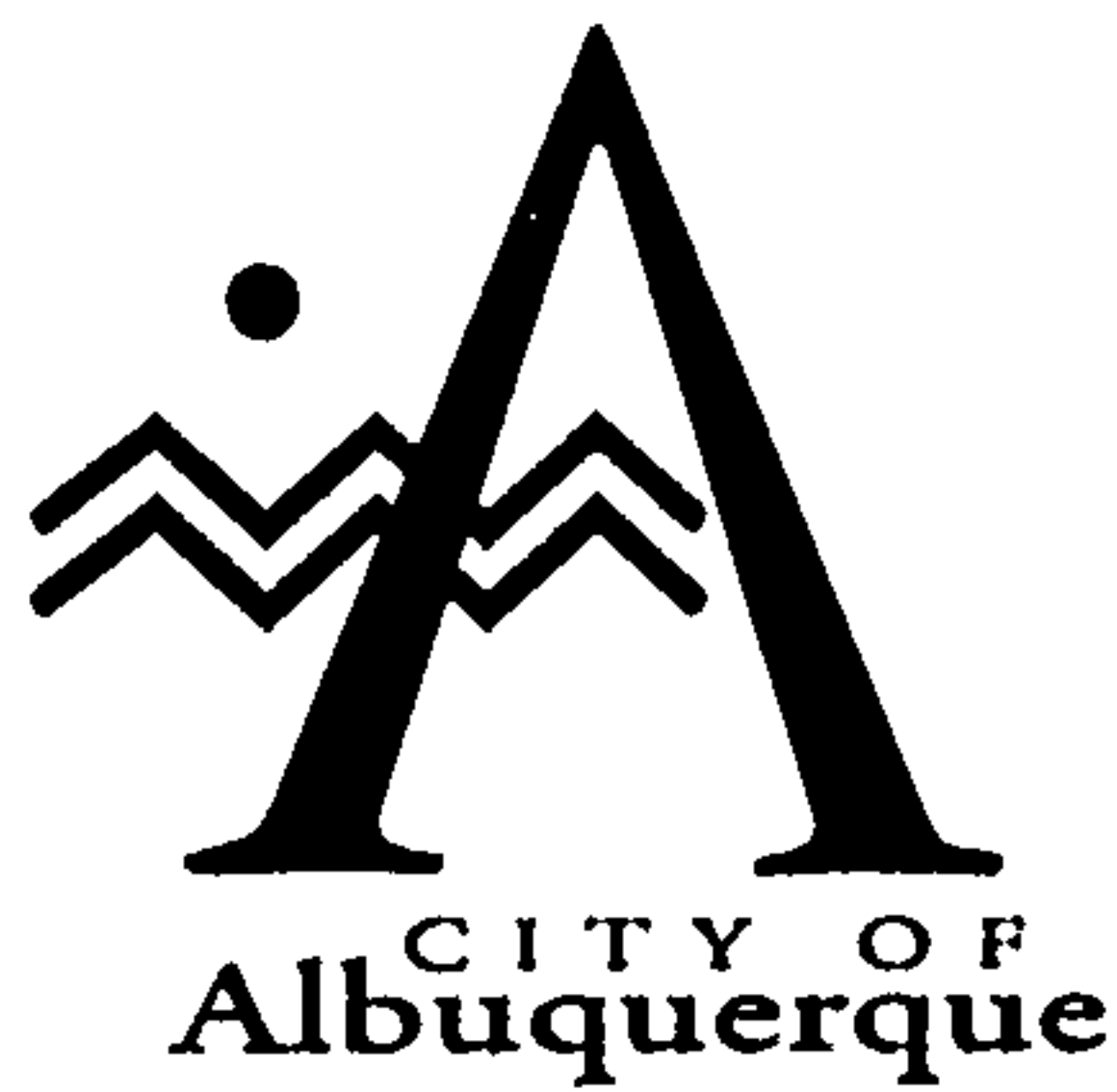




Martin J. Chávez, Mayor

September 18, 1997

Jeff Mortensen
Jeff Mortensen & Associates Inc.
6010-B Midway Park Blvd. NE
Albuquerque, New Mexico 87109

RE: GRADING/PAVING PLAN FOR JEWEL OSCO #256 (J21-D9) ENGINEER'S STAMP
DATED 8/29/97

Dear Mr Mortensen:

Based on the information provided on your August 29, 1997 submittal, the above referenced site is approved for Grading/Paving Permit.

Please be advised that once the construction is completed, Engineer Certification per the DPM checklist will be required.

If I can be of further assistance, please feel free to call me at 924-3986.

C: Andrew Garcia

File

Sincerely,

Bernie J. Montoya CE
Associate Engineer





City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

December 14, 1994

R.P. Bohannan
Easterling & Associates
10131 Coors NW
Albuquerque, NM 87114

RE: ENGINEER CERTIFICATION FOR JEWEL OSCO 3256 @ LOMAS & JUAN TABO
(J21-D9) ENGINEER CERTIFICATION STATEMENT DATED 12/5/94.

Dear Mr. Bohannan:

Based on the information provided on your December 6, 1994 submittal, Engineer Certification for the above referenced site is acceptable.

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

Sincerely,

Bernie J. Montoya, CE
Engineering Associate

BJM/d1/WPHYD/7435

c: Andrew Garcia
File

DRAINAGE INFORMATION SHEET

PROJECT TITLE: JEWEL DSCO 256
@ LOMAS/JUAN TABO ZONE ATLAS/DRNG. FILE #: J21-09
 DRB #: _____ EPC #: _____ WORK ORDER #: _____
 LEGAL DESCRIPTION: _____
 CITY ADDRESS: _____
 ENGINEERING FIRM: EASTRUNG & ASSOCIATES CONTACT: R.P. BOHANNAN
 ADDRESS: 10131 COORS NW PHONE: 898-8021
 OWNER: AMERICAN STORE PROPERTIES INC CONTACT: _____
 ADDRESS: C/O ARCHITECT PHONE: _____
 ARCHITECT: REMO GIANINNI AIA CONTACT: REMO GIANINNI
 ADDRESS: _____ PHONE: 889 0833
 SURVEYOR: _____ CONTACT: _____
 ADDRESS: _____ PHONE: _____
 CONTRACTOR: JAYNES CORP CONTACT: KARL KRAUSE
 ADDRESS: 2906 BROADWAY NE PHONE: 345 8591

TYPE OF SUBMITTAL:

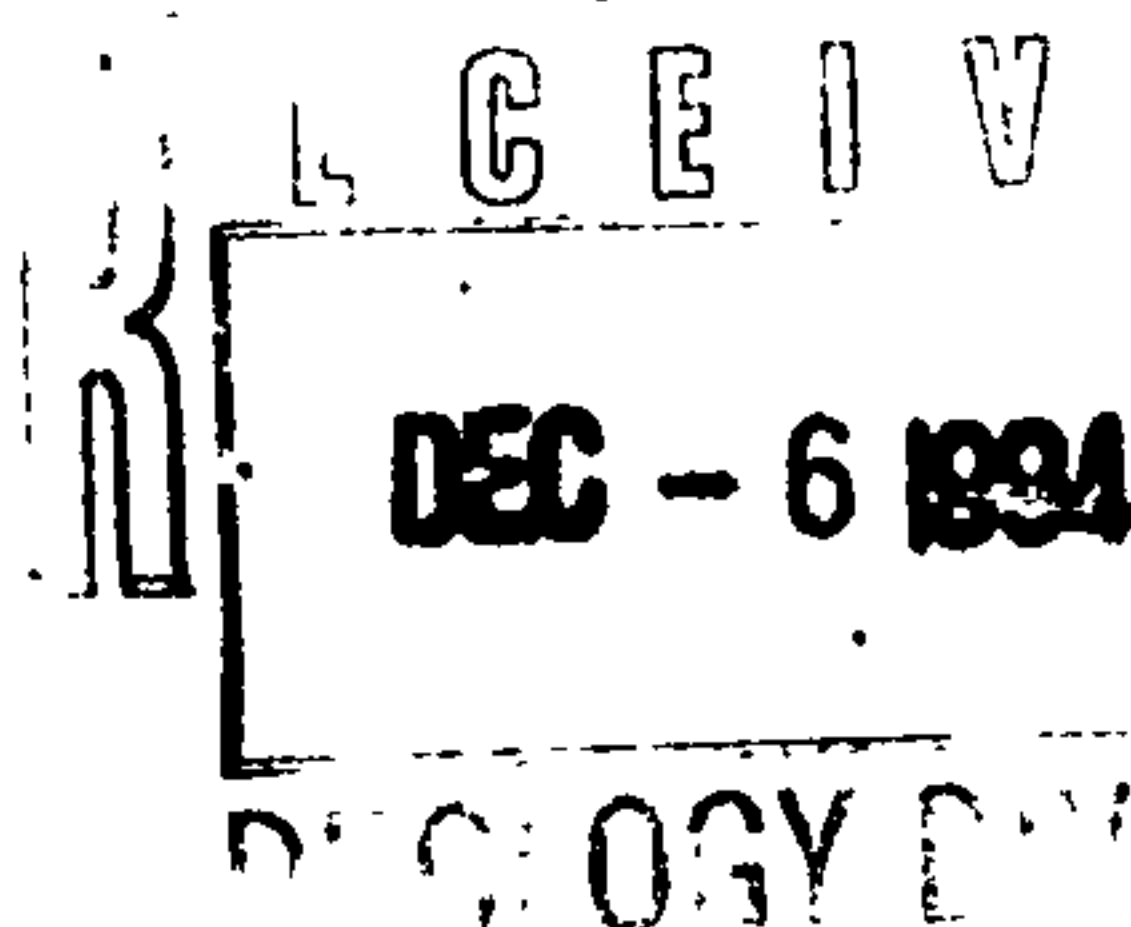
____ DRAINAGE REPORT
 ____ DRAINAGE PLAN
 ____ CONCEPTUAL GRADING & DRAINAGE PLAN
 ____ GRADING PLAN
 ____ EROSION CONTROL PLAN
☒ ENGINEER'S CERTIFICATION
 ____ OTHER _____

PRE-DESIGN MEETING:

☒ YES
 ____ NO
 ____ COPY PROVIDED

CHECK TYPE OF APPROVAL SOUGHT:

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

DATE SUBMITTED: 12/5/94BY: R.P. BOHANNAN

DRAINAGE INFORMATION SHEET

881322

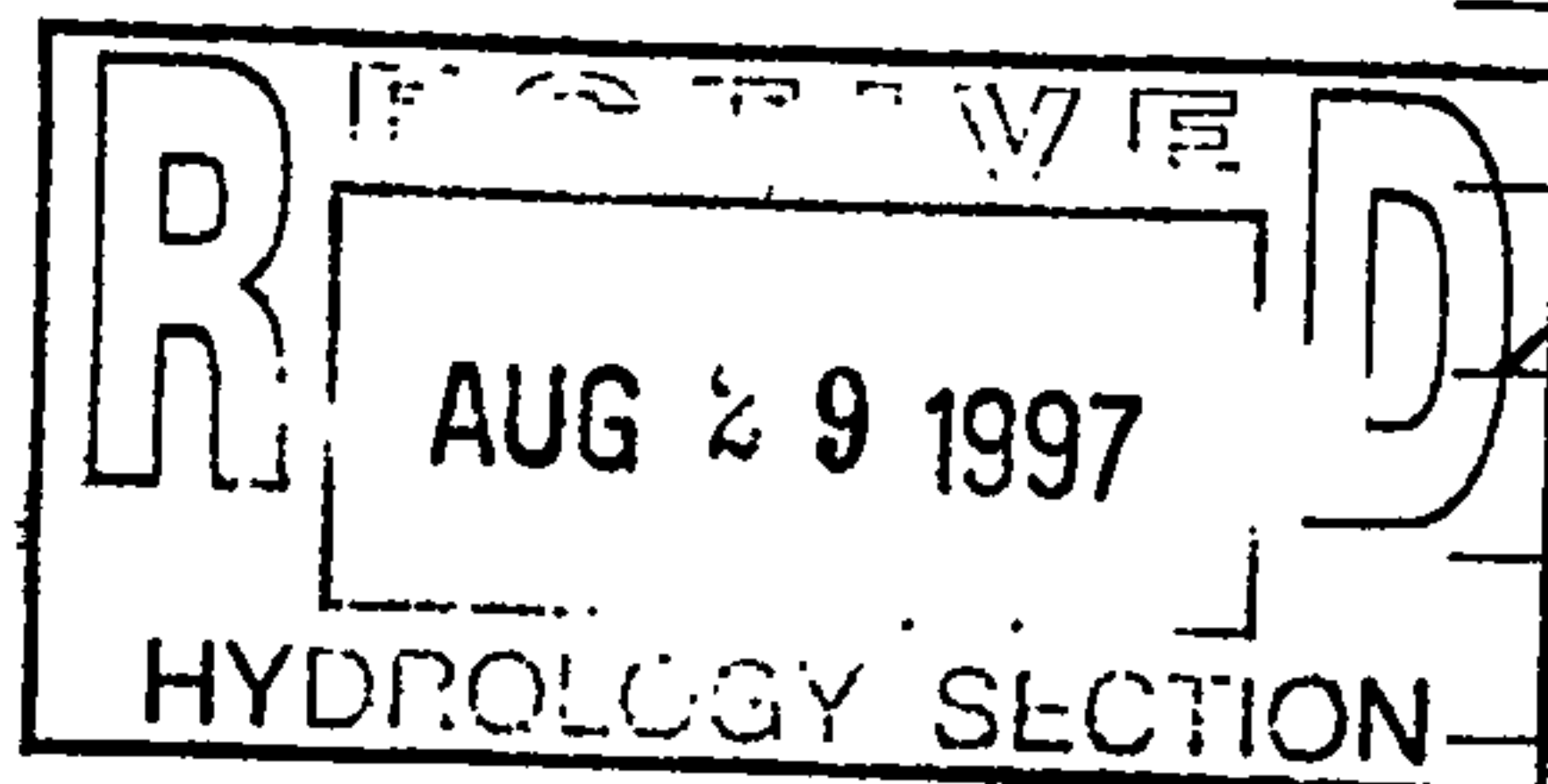
PROJECT TITLE: JEWEL OSCO #256 ZONE ATLAS/DRNG. FILE #: J21/
DEB. #: _____ EPC #: _____ WORK ORDER #: _____
LEGAL DESCRIPTION: TRACTS 3E1A & 3E1B, BLK 38A, PRINCESS JEANNE
CITY ADDRESS: 11825 LOMAS NE PARK ADDN.
ENGINEERING FIRM: JEFF MORTENSEN & ASSOC. CONTACT: JEFF MORTENSEN
ADDRESS: 6010-B MIDWAY PARK BLVD NE PHONE: 345-4250
OWNER: JEWEL OSCO CONTACT: CONTRACTOR
ADDRESS: 11825 LOMAS NE PHONE: _____
ARCHITECT: N/A CONTACT: _____
ADDRESS: _____ PHONE: _____
SURVEYOR: JEFF MORTENSEN & ASSOC. CONTACT: JEFF MORTENSEN
ADDRESS: 6010-B MIDWAY PARK BLVD NE PHONE: 345-4250
CONTRACTOR: ALBUQUERQUE ASPHALT CONTACT: RANDY PULLIAM
ADDRESS: PO BOX 75190 87120 PHONE: 831-7311
200 94TH ST SW

TYPE OF SUBMITTAL:

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

PRE-DESIGN MEETING:

- ☐ YES
☒ NO
☐ COPY PROVIDED



CHECK TYPE OF APPROVAL SOUGHT:

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

DATE SUBMITTED:

08/29/97

BY:

JEFFREY G. MORTENSEN

EASTERLING & ASSOCIATES, INC.
10131 Coors Rd., NW, Suite H-7
ALBUQUERQUE, NEW MEXICO 87114-4048

LETTER OF TRANSMITTAL

(505) 898-8021
FAX (505) 898-8501

TO

COA- Hy DROLOGY

DATE	12/6/94	JOB NO.	3510.1
ATTENTION			
RE: Jewel Oaco #25L Lomas + Juan Talo			

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via Carrier the following items:

- ☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☐ _____

COPIES	DATE	NO.	DESCRIPTION
2	12/5/94		G + A. Plan

THESE ARE TRANSMITTED as checked below:

- ☒ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☐ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution
☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints
☐ For review and comment ☐ _____
☐ FOR BIDS DUE _____ 19 _____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS

RECEIVED
DEC - 6 1994

TO

Pre-Consumer Content • 10% Post-Consumer Content

SIGNED:

R. P. Bohannon

by MLC

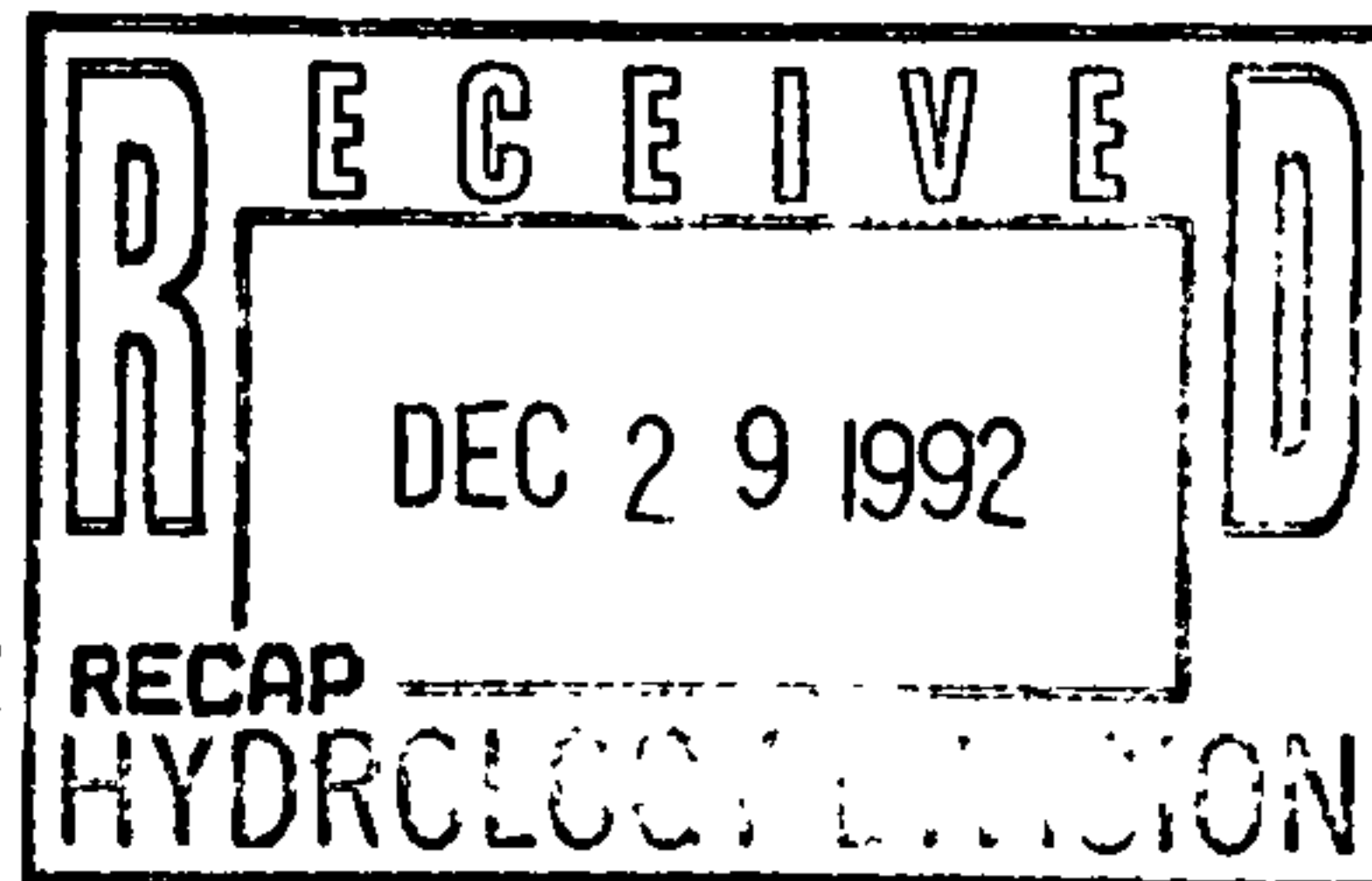
DRAINAGE INFORMATION SHEET

PROJECT TITLE: JEWEL OSCO ADDITION (STORE 256) ZONE ATLAS/DRNG. FILE #: J21/D9LEGAL DESCRIPTION: LOT 3-E-1-A, BLOCK 38-A, DALE J. BELAMAH'S PRINCESS JEANNE PARKCITY ADDRESS: 11825 LOMAS BLVD NE, ALBUQUERQUEENGINEERING FIRM: EASTERLUNG & ASSOCIATES, INC. CONTACT: MARTIN LEWISADDRESS: 10131 COORS RD. NW, STE-7/8. 87114 PHONE: 898-8021OWNER: AMERICAN STORE PROPERTIES, INC. CONTACT: _____ADDRESS: C/O ARCHITECT PHONE: _____ARCHITECT: REMO GIANNINI, ARCHITECT, AIA CONTACT: REMO GIANNINIADDRESS: 8360 CORONA LOOP NE, 87113 PHONE: 823-4404SURVEYOR: SURV-TEK, INC. CONTACT: RUSS HUGGADDRESS: 5643 PARADISE BLVD. NW 87114 PHONE: 897-3366

CONTRACTOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

PRE-DESIGN MEETING:

☒ YES☐ NO☒ COPY OF CONFERENCE
SHEET PROVIDED

DRB NO. _____

EPC NO. _____

PROJ. NO. _____

TYPE OF SUBMITTAL:

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

CHECK TYPE OF APPROVAL SOUGHT:

☐ SKETCH PLAT APPROVAL☐ PRELIMINARY PLAT APPROVAL☐ SITE DEVELOPMENT PLAN APPROVAL☐ FINAL PLAT APPROVAL☒ BUILDING PERMIT APPROVAL☐ FOUNDATION PERMIT APPROVAL☐ CERTIFICATE OF OCCUPANCY APPROVAL☐ ROUGH GRADING PERMIT APPROVAL☐ GRADING/PAVING PERMIT APPROVAL☐ OTHER _____ (SPECIFY)DATE SUBMITTED: 12/24/92BY: J. MARTIN LEWIS

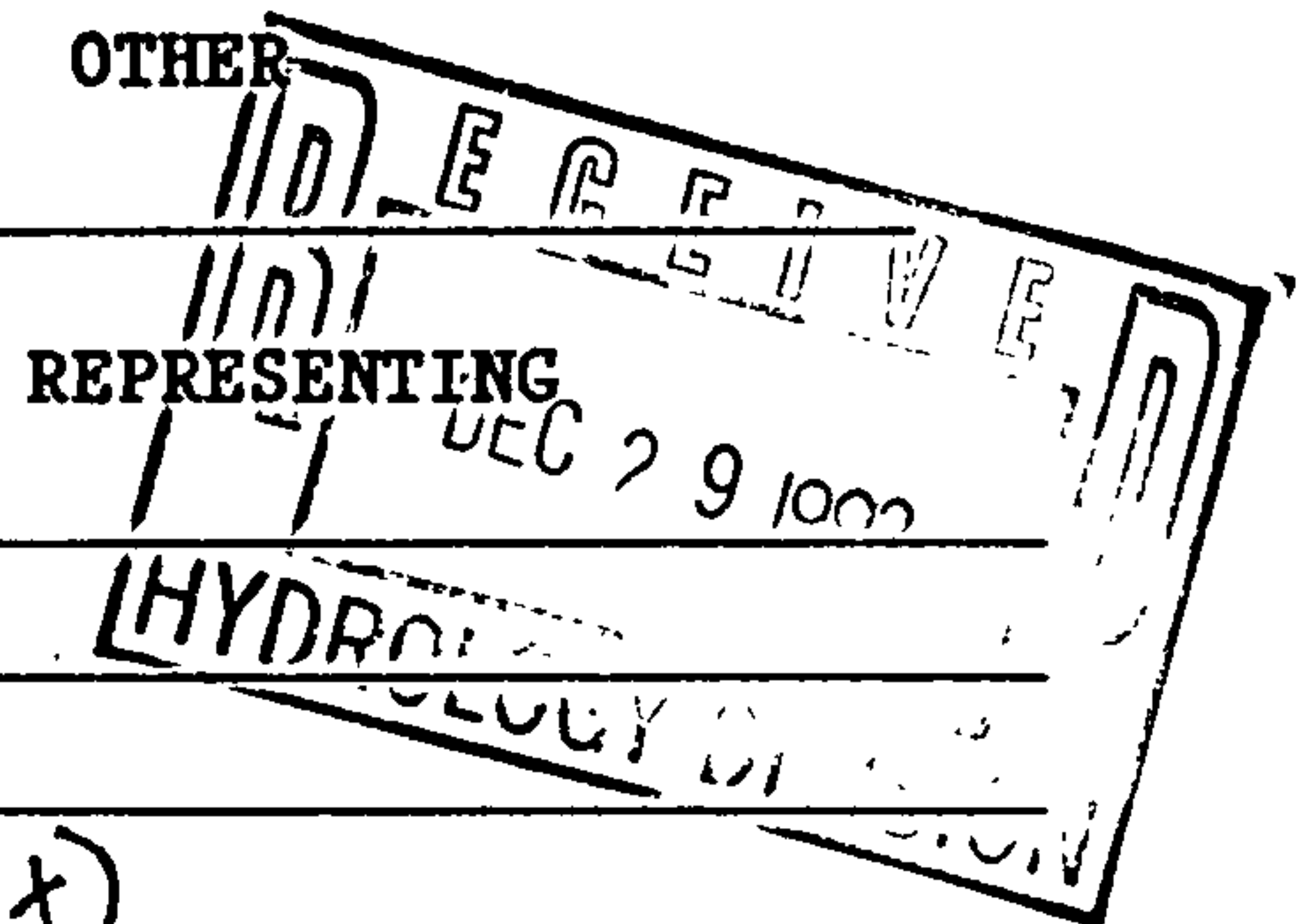
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
UTILITY DEVELOPMENT DIVISION/HYDROLOGY SECTION

PRE-DESIGN CONFERENCE

DRAINAGE FILE/ZONE ATLAS PAGE NO.: J21-D9 DATE: 11/30/92
EPC NO.: _____ DRB NO.: _____ ZONE: C2
SUBJECT: Q4) BAG & SAVE NOW JEWEL OSCO Addition (8300 ft²)
STREET ADDRESS: _____
LEGAL DESCRIPTION: Lot 3-E-1-A

APPROVAL REQUESTED: _____ PRELIMINARY PLAT _____ FINAL PLAT
_____ SITE DEVELOPMENT PLAN X BUILDING PERMIT
_____ GRADING/PAVING PERMIT _____ OTHER _____

ATTENDANCE: ^{WHO} Chuck Easterling
Fred J. Aguirre



FINDINGS:

An updated DRAINAGE plan will be required
for the subject request. ~~with~~ This updated
plan will need to demonstrate compliance
with the previous approved report.

The updated DRAINAGE plan will need to address
the following:

- Off-site flows from the North West corner
and Juan Tabo
- Emergency Spillway (must ~~be~~ outfall to Lomas)
- The pond ~~are~~ will need to be drained in
24 hrs. Downstream capacity analysis will
be required for a discharge that is less
than 24 hrs.

CERTIFICATION will be required by the DEVELOPER'S ENGINEERS
FOR C.O. RETAIN.
The undersigned agrees that the above findings are summarized accurately and are only
subject to change if further investigation reveals that they are not reasonable or that
they are based on inaccurate information.

SIGNED: Fred J. Aguirre
TITLE: _____
DATE: 11/30/92

SIGNED: Ed M. Easterling
TITLE: ENGINEER
DATE: 11/30/92

****NOTE**** PLEASE PROVIDE A COPY OF THIS PRE-DESIGN FORM WITH THE DRAINAGE SUBMITTAL.

AHYMO PROGRAM (AHYMO392) - AMAPCA VERSION OF HYMO - MARCH, 1992
 RUN DATE (MON/DAY/YR) = 12/15/1992
 START TIME (HR:MIN:SEC) = 14:35:25 USER NO. = D_HARRIS.S92
 INPUT FILE = osco24d5.hmi

*JEWEL OSCO, 11825 LOMAS NE

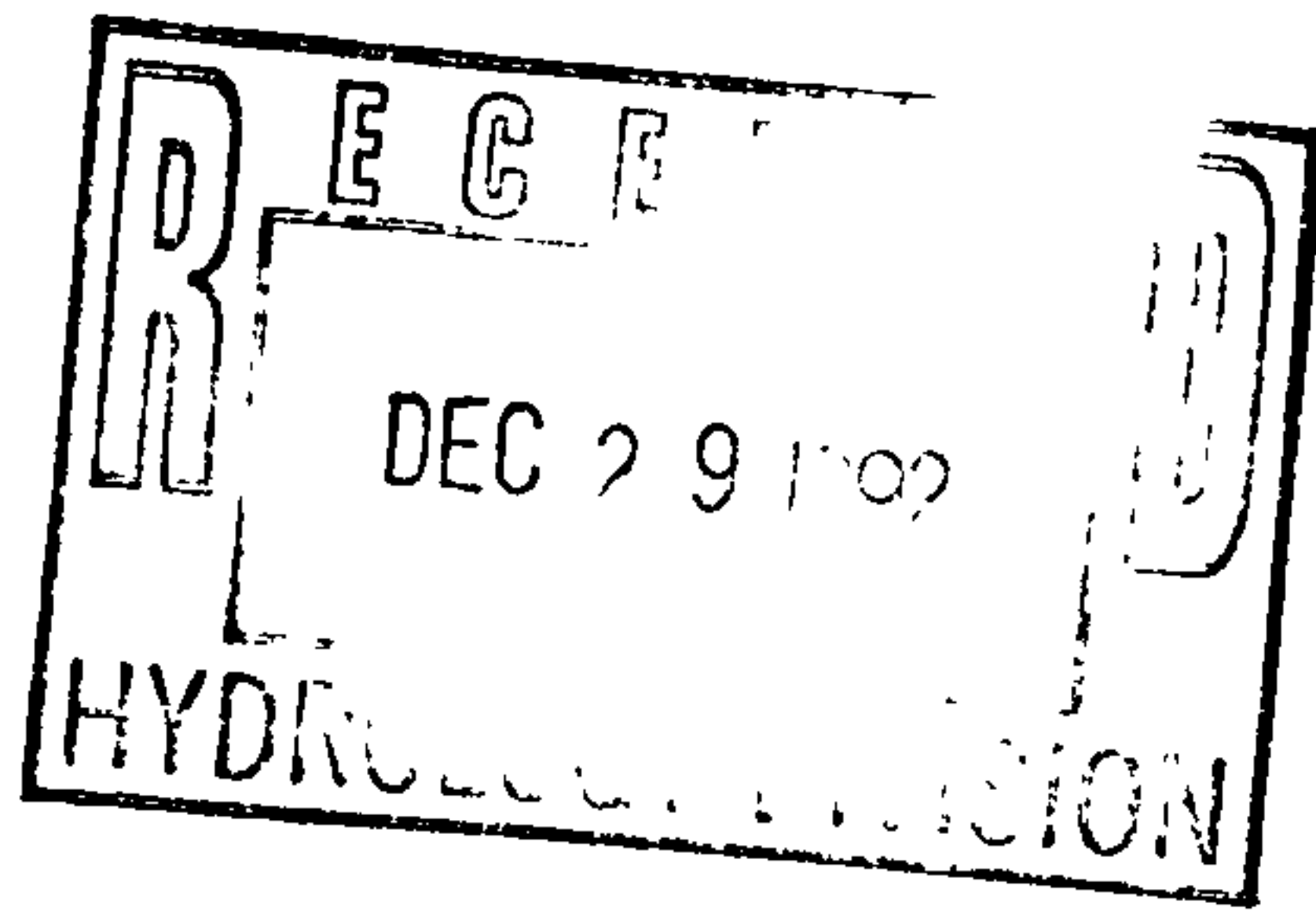
*ONSITE FLOWS, DEVELOPED CONDITIONS

*HYDROLOGY BASED ON TOPOGRAPHIC SURVEY FURNISHED BY SURVTEK, NOVEMBER 1992

START 0.0 HOURS

* 100 YEAR, 24 HOUR STORM, PEAK @ 1.4 HOURS, BASED ON NOAA ATLAS 2

RAINFALL TYPE=2
 RAINQTR=0.00 INCHES
 RAINONE =2.10 INCHES
 RAINSIX =2.60 INCHES
 RAINDAY =3.20 INCHES
 DT=0.08333333 HRS



COMPUTED 24-HOUR RAINFALL DISTRIBUTION BASED ON NOAA ATLAS 2 - PEAK AT 1.40 HR.

DT = .083333 HOURS END TIME = 24.000000 HOURS

.0000	.0083	.0171	.0263	.0361	.0466	.0578
.0698	.0829	.0971	.1128	.1304	.1503	.1656
.2152	.3794	.7188	1.3053	1.5662	1.7326	1.8691
1.9851	2.0856	2.1734	2.2503	2.2684	2.2845	2.2992
2.3127	2.3252	2.3370	2.3481	2.3586	2.3685	2.3781
2.3872	2.3959	2.4044	2.4125	2.4203	2.4279	2.4353
2.4425	2.4494	2.4562	2.4628	2.4692	2.4755	2.4817
2.4877	2.4935	2.4993	2.5049	2.5105	2.5159	2.5212
2.5264	2.5316	2.5366	2.5416	2.5465	2.5513	2.5561
2.5607	2.5653	2.5699	2.5744	2.5788	2.5831	2.5874
2.5917	2.5959	2.6000	2.6042	2.6084	2.6126	2.6168
2.6209	2.6250	2.6291	2.6332	2.6372	2.6412	2.6452
2.6492	2.6531	2.6571	2.6610	2.6649	2.6687	2.6726
2.6764	2.6802	2.6840	2.6878	2.6915	2.6953	2.6990
2.7027	2.7063	2.7100	2.7136	2.7173	2.7209	2.7245
2.7280	2.7316	2.7351	2.7386	2.7421	2.7456	2.7491
2.7525	2.7560	2.7594	2.7628	2.7662	2.7696	2.7729
2.7763	2.7796	2.7829	2.7862	2.7895	2.7928	2.7960
2.7993	2.8025	2.8057	2.8089	2.8121	2.8153	2.8184
2.8216	2.8247	2.8278	2.8309	2.8340	2.8371	2.8402
2.8433	2.8463	2.8493	2.8524	2.8554	2.8584	2.8614
2.8643	2.8673	2.8703	2.8732	2.8761	2.8791	2.8820
2.8849	2.8877	2.8906	2.8935	2.8963	2.8992	2.9020
2.9048	2.9077	2.9105	2.9132	2.9160	2.9188	2.9216
2.9243	2.9271	2.9298	2.9325	2.9352	2.9379	2.9406
2.9433	2.9460	2.9487	2.9513	2.9540	2.9566	2.9592
2.9619	2.9645	2.9671	2.9697	2.9723	2.9748	2.9774
2.9800	2.9825	2.9851	2.9876	2.9902	2.9927	2.9952
2.9977	3.0002	3.0027	3.0052	3.0076	3.0101	3.0126
3.0150	3.0175	3.0199	3.0223	3.0247	3.0272	3.0296
3.0320	3.0344	3.0367	3.0391	3.0415	3.0439	3.0462
3.0486	3.0509	3.0532	3.0556	3.0579	3.0602	3.0625
3.0648	3.0671	3.0694	3.0717	3.0740	3.0763	3.0785

3.0808 3.0830 3.0852 3.0875 3.0897 3.0919 3.0942
3.0964 3.0986 3.1008 3.1030 3.1052 3.1074 3.1095
3.1117 3.1139 3.1160 3.1182 3.1203 3.1225 3.1246
3.1267 3.1289 3.1310 3.1331 3.1352 3.1373 3.1394
3.1415 3.1436 3.1457 3.1478 3.1498 3.1519 3.1540
3.1560 3.1581 3.1601 3.1622 3.1642 3.1662 3.1682
3.1703 3.1723 3.1743 3.1763 3.1783 3.1803 3.1823
3.1843 3.1863 3.1882 3.1902 3.1922 3.1941 3.1961
3.1981 3.2000

*COMPUTE HYDROGRAPH FOR BASIN A

COMPUTE NM HYD ID=1 HYD NO =101.0 DA=0.000567 SQ MILES
IA=0.0 IB=0.0 IC=91.0 ID=9.0
TP=0.1333 HRS
MASS RAINFALL=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000 SHAPE CONSTANT, N = 7.106420
UNIT PEAK = .20147 CFS UNIT VOLUME = .9621 B = 526.28 P60 = 2.1000
AREA = .000051 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .083333

K = .108461HR TP = .133300HR K/TP RATIO = .813662 SHAPE CONSTANT, N = 4.394154
UNIT PEAK = 1.4734 CFS UNIT VOLUME = 1.001 B = 380.65 P60 = 2.1000
AREA = .000516 SQ MI IA = .35000 INCHES INF = .83000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .083333

PRINT HYD ID=1 CODE=1

PARTIAL HYDROGRAPH 101.00

RUNOFF VOLUME = 1.41751 INCHES = .0429 ACRE-FEET
PEAK DISCHARGE RATE = 1.25 CFS AT 1.500 HOURS BASIN AREA = .0006 SQ. MI.

*COMPUTE HYDROGRAPH FOR BASIN B

COMPUTE NM HYD ID=2 HYD NO =102.0 DA=0.000825 SQ MILES
IA=0.0 IB=33.0 IC=33.0 ID=34.0
TP=0.1333 HRS
MASS RAINFALL=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000 SHAPE CONSTANT, N = 7.106420
UNIT PEAK = 1.1074 CFS UNIT VOLUME = 1.001 B = 526.28 P60 = 2.1000
AREA = .000281 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .083333

K = .120817HR TP = .133300HR K/TP RATIO = .906356 SHAPE CONSTANT, N = 3.908546
UNIT PEAK = 1.4257 CFS UNIT VOLUME = .9963 B = 349.03 P60 = 2.1000
AREA = .000545 SQ MI IA = .42500 INCHES INF = 1.04000 INCHES PER HOUR
RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .083333

PRINT HYD ID=2 CODE=1

PARTIAL HYDROGRAPH 102.00

RUNOFF VOLUME = 1.70887 INCHES = .0752 ACRE-FEET
 PEAK DISCHARGE RATE = 1.84 CFS AT 1.500 HOURS BASIN AREA = .0008 SQ. MI.

 *COMPUTE HYDROGRAPH FOR BASIN C

COMPUTE NM HYD ID=3 HYD NO =103.0 DA=0.010087 SQ MILES
 %A=0.0 %B=9.0 %C=2.0 %D=89
 TP=0.1333 HRS
 MASS RAINFALL=-1

K = .072649HR TP = .133300HR K/TP RATIO = .545000 SHAPE CONSTANT, N = 7.106420
 UNIT PEAK = 35.443 CFS UNIT VOLUME = 1.008 B = 526.28 P60 = 2.1000
 AREA = .008977 SQ MI IA = .10000 INCHES INF = .04000 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .083333

K = .128680HR TP = .133300HR K/TP RATIO = .965343 SHAPE CONSTANT, N = 3.659564
 UNIT PEAK = 2.7618 CFS UNIT VOLUME = .9974 B = 331.80 P60 = 2.1000
 AREA = .001110 SQ MI IA = .47273 INCHES INF = 1.17364 INCHES PER HOUR
 RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = .083333

PRINT HYD ID=3 CODE=1

PARTIAL HYDROGRAPH 103.00

RUNOFF VOLUME = 2.73537 INCHES = 1.4715 ACRE-FEET
 PEAK DISCHARGE RATE = 28.35 CFS AT 1.500 HOURS BASIN AREA = .0101 SQ. MI.

 *
 *ROUTE HYDROGRAPH THROUGH DETENTION POND
 *
 * Pond discharges under inlet control thro' 15" orifice;
 * $Q_{rel} = 0.6A(2gh)^{0.5}$
 *

ROUTE RESERVOIR	ID=4	HYD NO=500	INFLOW ID=3	CODE=5
	OUTFLOW	STORAGE	ELEVATION	
	(cfs)	(Ac ft)	(ft)	
	0.0	0.0000	51.0	
	3.6	0.0826	52.0	
	6.9	0.1866	53.0	
	9.1	0.3112	54.0	
	10.8	0.4584	55.0	

* * * * *

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

.00	.00	51.00	.000	.00
.42	.00	51.00	.000	.00
.83	.20	51.01	.001	.03
1.25	4.77	51.36	.030	1.29
1.67	13.90	54.90	.443	10.62
2.08	4.99	54.53	.390	10.01
2.50	1.03	52.86	.173	6.45
2.92	.51	51.65	.053	2.33
3.33	.35	51.23	.019	.83
3.75	.30	51.12	.010	.43
4.17	.28	51.09	.007	.32
4.58	.27	51.08	.006	.28
5.00	.27	51.08	.006	.27
5.42	.28	51.08	.006	.27
5.83	.29	51.08	.006	.28
6.25	.29	51.08	.007	.29
6.67	.29	51.08	.007	.29
7.08	.28	51.08	.006	.28
7.50	.27	51.08	.006	.27
7.92	.26	51.07	.006	.27
8.33	.25	51.07	.006	.26
8.75	.25	51.07	.006	.25
9.17	.24	51.07	.006	.25
9.58	.24	51.07	.006	.24
10.00	.23	51.07	.005	.24
10.42	.23	51.06	.005	.23
10.83	.22	51.06	.005	.23
11.25	.22	51.06	.005	.22
11.67	.22	51.06	.005	.22
12.08	.21	51.06	.005	.21
12.50	.21	51.06	.005	.21
12.92	.20	51.06	.005	.20
13.33	.20	51.06	.005	.20
13.75	.19	51.05	.005	.20
14.17	.19	51.05	.004	.19
14.58	.19	51.05	.004	.19
15.00	.18	51.05	.004	.19
15.42	.18	51.05	.004	.18
15.83	.18	51.05	.004	.18
16.25	.18	51.05	.004	.18
16.67	.17	51.05	.004	.17
17.08	.17	51.05	.004	.17
17.50	.17	51.05	.004	.17
17.92	.17	51.05	.004	.17
18.33	.16	51.05	.004	.16
18.75	.16	51.04	.004	.16
19.17	.16	51.04	.004	.16
19.58	.16	51.04	.004	.16
20.00	.15	51.04	.004	.16
20.42	.15	51.04	.004	.15
20.83	.15	51.04	.003	.15
21.25	.15	51.04	.003	.15
21.67	.15	51.04	.003	.15
22.08	.14	51.04	.003	.15
22.50	.14	51.04	.003	.14
22.92	.14	51.04	.003	.14
23.33	.14	51.04	.003	.14
23.75	.14	51.04	.003	.14
24.17	.04	51.03	.003	.12
24.58	.00	51.01	.001	.03
25.00	.00	51.00	.000	.01
25.42	.00	51.00	.000	.00

PEAK DISCHARGE = 10.773 CFS - PEAK OCCURS AT HOUR 1.75

MAXIMUM WATER SURFACE ELEVATION = 54.984

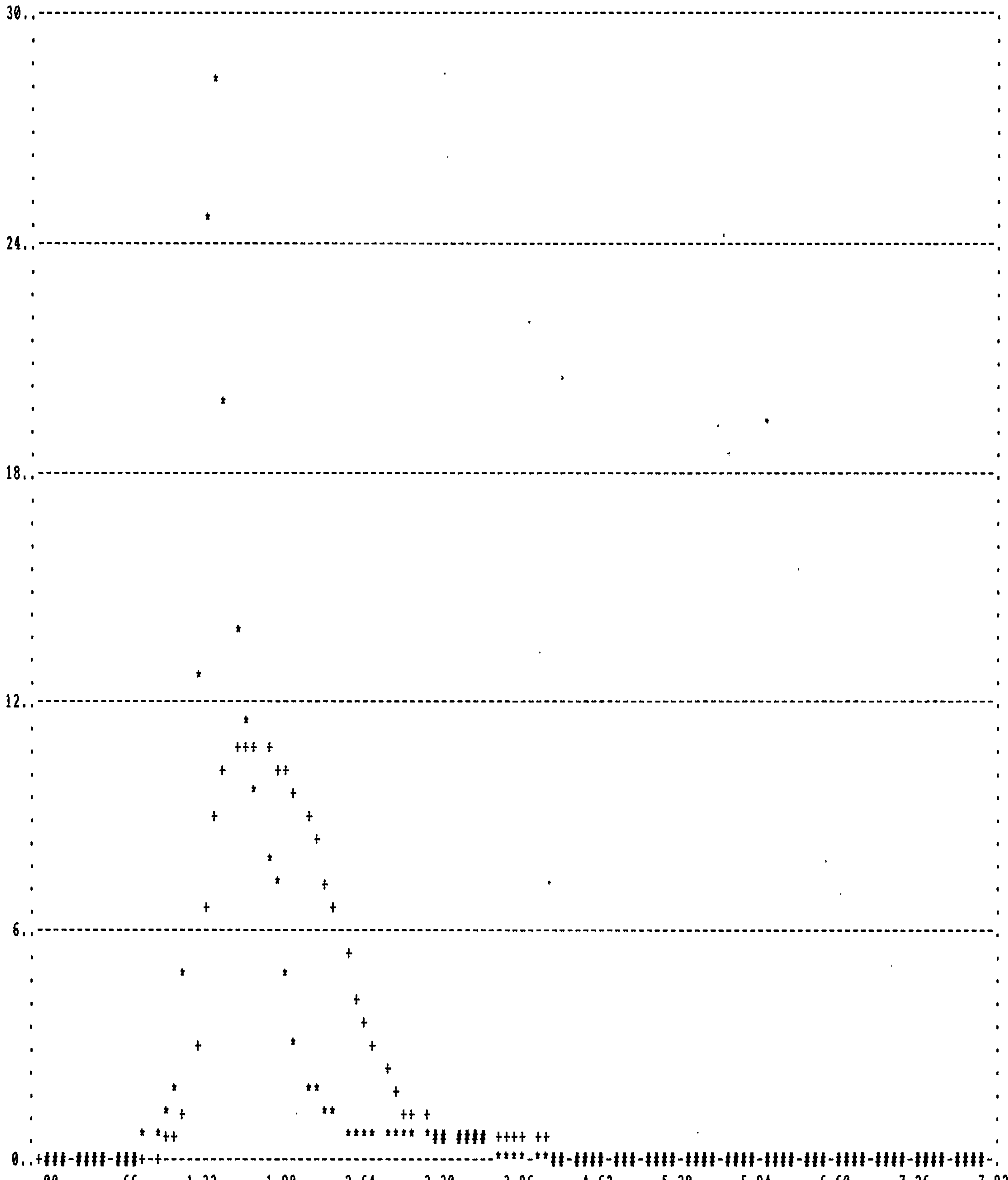
PRINT HYD

ID=4 CODE=1

OUTFLOW HYDROGRAPH RESERVOIR 500.00

RUNOFF VOLUME = 2.73534 INCHES = 1.4715 ACRE-FEET
PEAK DISCHARGE RATE = 10.77 CFS AT 1.750 HOURS BASIN AREA = .0101 SQ. MI.

PLOT HYD ID I=3 ID II=4 Q=30 T=8
FLOW RATE (CFS) PLOT SYMBOLS: ID 3= --*-- ID 4= --+-- BOTH= --+--



*ADD OUTFLOW HYDROGRAPHS FROM BASINS A, B AND C

ADD HYD ID=5 HYD NO=103 ID I=1 ID II=4

PRINT HYD ID=5 CODE=1

PARTIAL HYDROGRAPH 103.00

RUNOFF VOLUME = 2.66416 INCHES = 1.5138 ACRE-FEET
PEAK DISCHARGE RATE = 11.24 CFS AT 1.667 HOURS BASIN AREA = .0107 SQ. MI.

ADD HYD ID=6 HYD NO=104 ID I=2 ID II=5

PRINT HYD ID=6 CODE=1

PARTIAL HYDROGRAPH 104.00

RUNOFF VOLUME = 2.59549 INCHES = 1.5890 ACRE-FEET
PEAK DISCHARGE RATE = 12.35 CFS AT 1.583 HOURS BASIN AREA = .0115 SQ. MI.

FINISH

NORMAL PROGRAM FINISH

END TIME (HR:MIN:SEC) = 14:35:29

INPUT FILE = tabort2.hmi

* NOTE:

<<< 100 yr. half-street flow = 0.5(203)

<<< =100 cfs approx.

* (per AMDS Vol.3)

>> Est. Depth at gutter FL < 1 ft.

* (Water block @ 1.1 ft. above FL)



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

January 29, 1993

Ronald Bohannon
Easterling & Associates, Inc.
10131 Coors Rd. NW Suite H 7/8
Albuquerque, NM 87114

RE: REVISED DRAINAGE PLAN FOR AN ADDITION TO JEWEL OSCO STORE 256
(J21-D9) REVISION DATED 1/21/93.

Dear Mr. Bohannon:

Based on the information provided on your January 22, 1993 resubmittal, the above referenced site is approved for Building Permit.

Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology.

Also, a separate permit is required for construction with City Right-of Way. A copy of this approval letter must be on hand when applying for the excavation permit.

Prior to Certificate of Occupancy release, Engineer Certification per the D.P.M. checklist will be required. Please be advised that no temporary Certificate of Occupancy will be released until the Certification drawings have been submitted and logged in.

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

Sincerely,

Bernie J. Montoya, CE
Engineering Assistant

BJM/d1/WPHYD/7435

xc: Alan Martinez
Store Manager, Jewel Osco
Darlene Saavedra

PUBLIC WORKS DEPARTMENT

Easterling & Associates, Inc.
10131 Coors Rd., NW, Suite H-7
Albuquerque, New Mexico 87114
(505) 898-8021 FAX (505) 898-8501

☒ DELIVERY ☐ PICK UP ☐ OTHER _____

ACTION REQUIRED BY: DATE 12/28/92 TIME am.

JOB NAME Jewel Osco C&D JOB NO. 3510 PHASE —

REQUESTED BY: JML APPROVED BY: CME

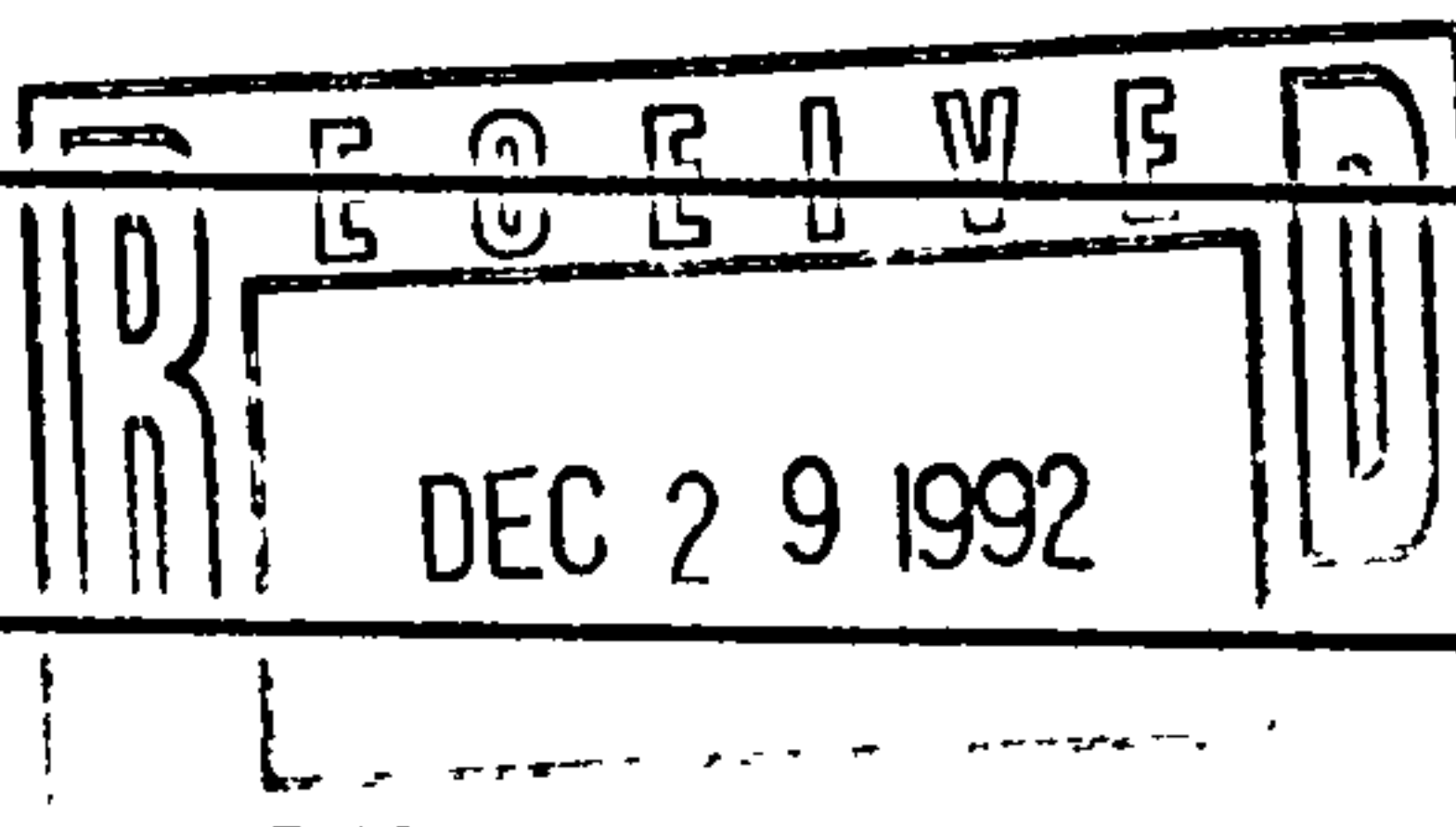
COMPANY NAME: City of Albuquerque, Hydrology Div.

ADDRESS: _____

ATTENTION: Fred Aguirre TELEPHONE: _____

ITEM DESCRIPTION: Grading & Drainage Plan Submittal
for Building Permit approval.

SPECIAL INSTRUCTIONS:



RECEIVED BY: _____

COMPANY: _____ DATE _____ TIME _____

EASTERLING & ASSOCIATES, INC.

10131 Coors Rd., NW, Suite H-7/8
ALBUQUERQUE, NEW MEXICO 87114

(505) 898-8021
FAX (505) 898-8501

LETTER OF TRANSMITTAL

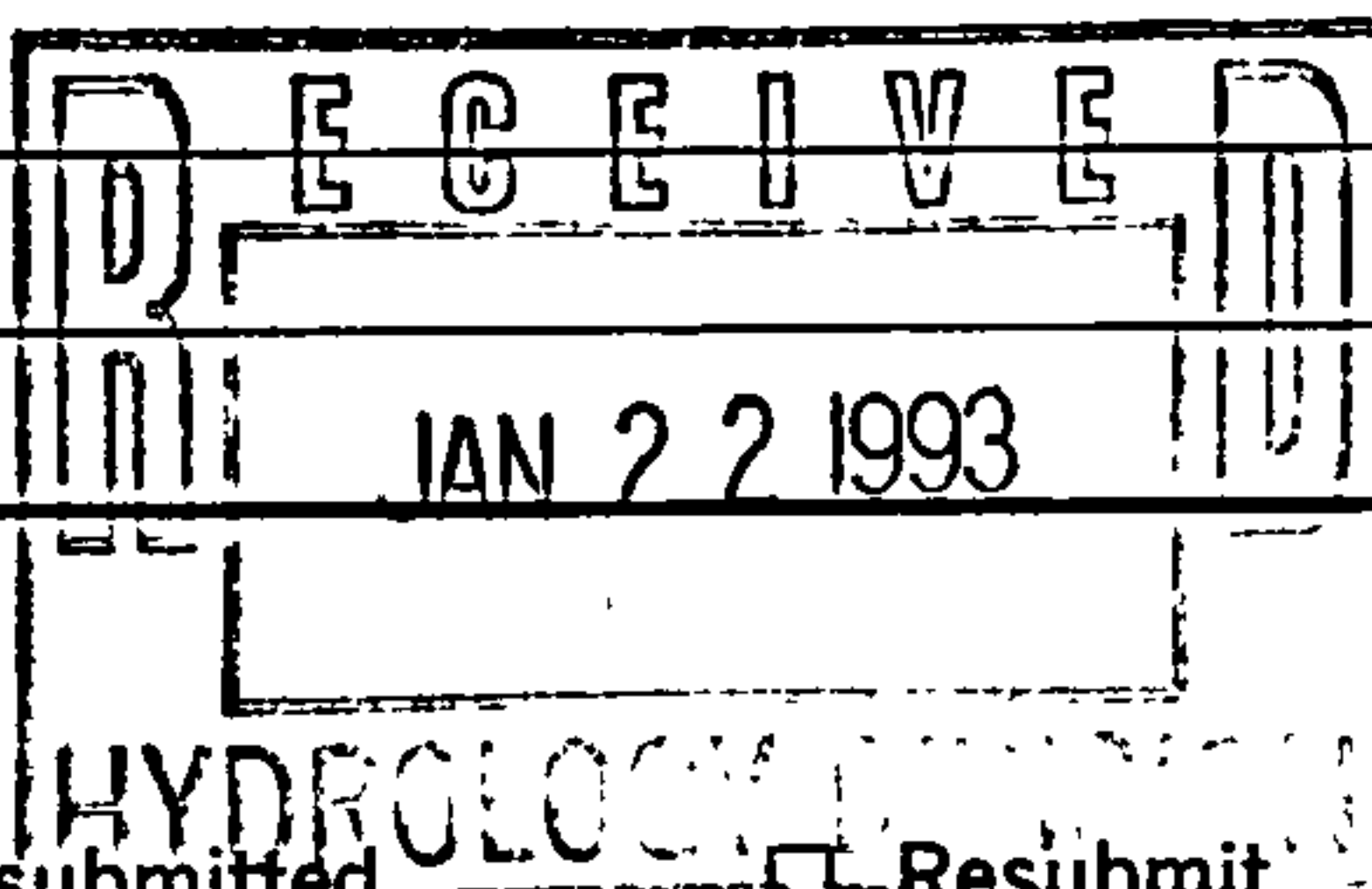
TO Mr. Bernice Montoya
COA Public Works Dept. - Hydrology Div.

DATE 1-21-93	JOB NO. EAI No. 3510
ATTENTION	
RE:	

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

- ☐ Shop drawings ☐ Prints ☒ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☐ _____

COPIES	DATE	NO.	DESCRIPTION
2	1-20-93		Grading + Drainage Plan - Jewel Osco No. 256 Addition
1	"		Drainage Information sheet
1	"		Cover letter
1	"		Copy of predesign conference



THESE ARE TRANSMITTED as checked below:

- ☒ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☐ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution
☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints
☐ For review and comment ☐ _____
☐ FOR BIDS DUE _____ 19____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS _____

Rec'd by : Suzanne Lutz 1/21/93

COPY TO JML

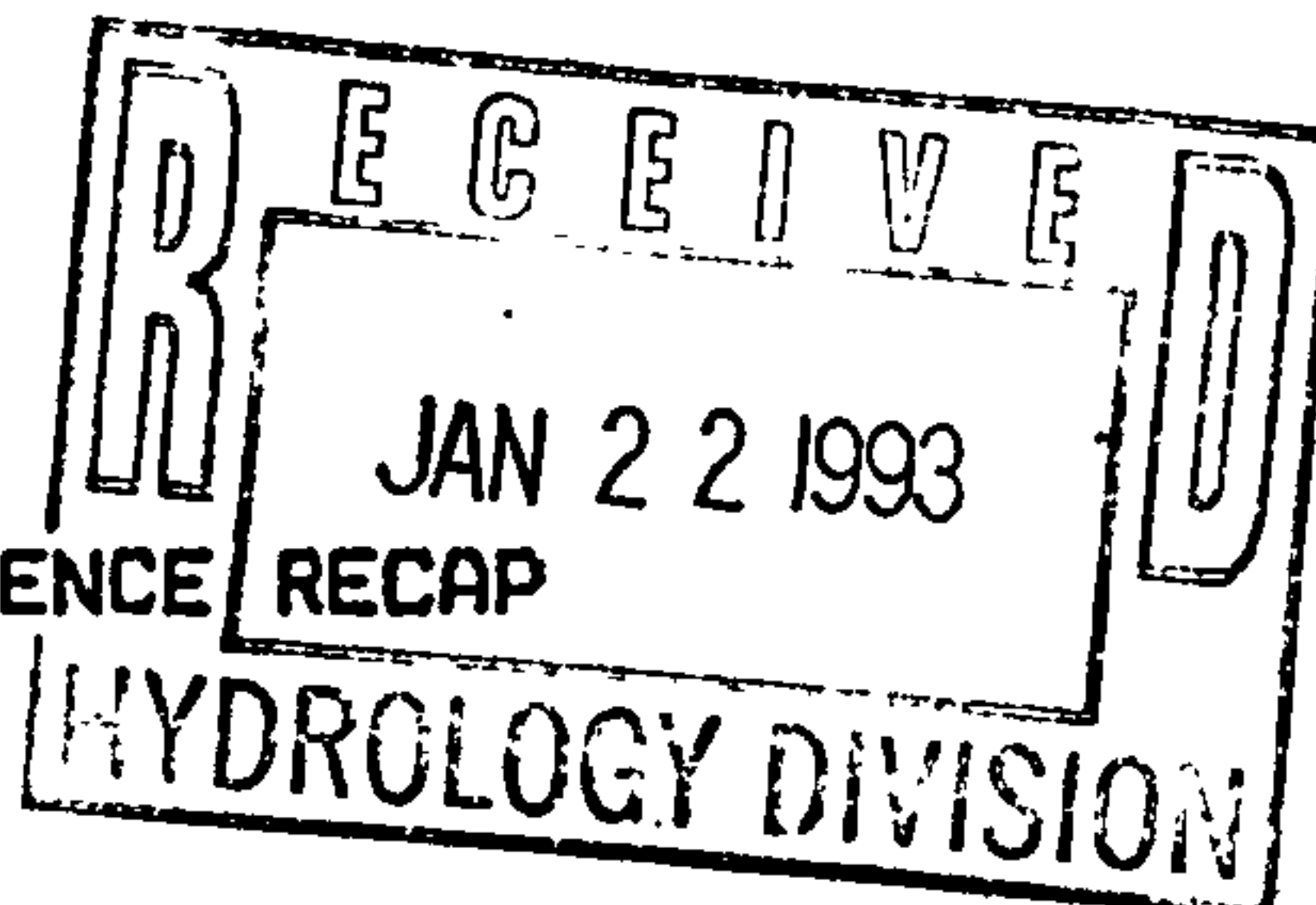
SIGNED: Matt Lewis (for EAI)

DRAINAGE INFORMATION SHEET

PROJECT TITLE: JEWEL OSCO ADDITION (STORE 256) ZONE ATLAS/DRNG. FILE #: J21-D9
 LEGAL DESCRIPTION: LOT 3-E-1-A, BLOCK 38-A, DALE J. BELAMAH'S PRINCESS JEANNE PARK
 CITY ADDRESS: 11825 LOMAS BLVD NE, ALBUQUERQUE
 ENGINEERING FIRM: EASTERLING & ASSOCIATES, INC. CONTACT: MARTIN LEWIS
 ADDRESS: 10131 COORS RD. NW, STE-7/8. 87114 PHONE: 898-8021
 OWNER: AMERICAN STORE PROPERTIES, INC. CONTACT: _____
 ADDRESS: C/O ARCHITECT PHONE: _____
 ARCHITECT: REMO GIANNINI, ARCHITECT, AIA CONTACT: REMO GIANNINI
 ADDRESS: 8360 CORONA LOOP NE, 87113 PHONE: 823-4404
 SURVEYOR: SURV-TEK, INC. CONTACT: RUSS HUGG
 ADDRESS: 5643 PARADISE BLVD. NW 87114 PHONE: 897-3366
 CONTRACTOR: _____ CONTACT: _____
 ADDRESS: _____ PHONE: _____

PRE-DESIGN MEETING:

☒ YES
☐ NO
☒ COPY OF CONFERENCE
 SHEET PROVIDED



DRB NO. _____
 EPC NO. _____
 PROJ. NO. _____

TYPE OF SUBMITTAL:

____ DRAINAGE REPORT
☒ DRAINAGE PLAN (RESUBMITTAL)
 ____ CONCEPTUAL GRADING & DRAINAGE PLAN
☒ GRADING PLAN
 ____ EROSION CONTROL PLAN
 ____ ENGINEER'S CERTIFICATION

CHECK TYPE OF APPROVAL SOUGHT:

____ SKETCH PLAT APPROVAL
 ____ PRELIMINARY PLAT APPROVAL
 ____ SITE DEVELOPMENT PLAN APPROVAL
 ____ FINAL PLAT APPROVAL
☒ BUILDING PERMIT APPROVAL
 ____ FOUNDATION PERMIT APPROVAL
 ____ CERTIFICATE OF OCCUPANCY APPROVAL
 ____ ROUGH GRADING PERMIT APPROVAL
 ____ GRADING/PAVING PERMIT APPROVAL
 ____ OTHER _____ (SPECIFY)

DATE SUBMITTED: 1-20-93
 BY: J. MARTIN LEWIS

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
UTILITY DEVELOPMENT DIVISION/HYDROLOGY SECTION

PRE-DESIGN CONFERENCE

DRAINAGE FILE/ZONE ATLAS PAGE NO.: J21-D9 DATE: 11/30/92
EPC NO.: _____ DRB NO.: _____ ZONE: C2
SUBJECT: Buy & Save Now Jewel Osco Addition (8300 ft²)
STREET ADDRESS: _____
LEGAL DESCRIPTION: Lot 3-E-1-A

APPROVAL REQUESTED: _____ PRELIMINARY PLAT _____ FINAL PLAT
_____ SITE DEVELOPMENT PLAN X BUILDING PERMIT
_____ GRADING/PAVING PERMIT _____ OTHER _____

ATTENDANCE: WHO REPRESENTING
Chuck Easterling _____
Fred J. Aguirre _____

FINDINGS: (AS-BUILT)
An updated DRAINAGE plan will be required
for the subject request. ~~with~~ This updated
plan will need to demonstrate compliance
with the previous approved report.
The updated DRAINAGE plan will need to address
the following:

- Off-site flows from the North West corner
and Juan Tabo
- Emergency Spillway (must ~~be~~ outfall to Lomas)
- The pond ~~will~~ need to be drained in
24 hrs. Downstream capacity analysis will
be required for a discharge that is less
than 24 hrs.

CERTIFICATION will be required by the DEVELOPER'S ENGINEERS
FOR C.O. RELIANCE.

The undersigned agrees that the above findings are summarized accurately and are only subject to change if further investigation reveals that they are not reasonable or that they are based on inaccurate information.

SIGNED: Fred J. Aguirre SIGNED: Ed M. Easterling
TITLE: _____ TITLE: ENGINEER
DATE: 11/30/92 DATE: 11/30/92

****NOTE**** PLEASE PROVIDE A COPY OF THIS PRE-DESIGN FORM WITH THE DRAINAGE SUBMITTAL.

Easterling & Associates, Inc.

January 20, 1993

10131 Coors Rd., NW, Suite H-7
Albuquerque, New Mexico 87114
(505) 898-8021
FAX (505) 898-8501

Mr. Bernie J. Montoya
Hydrology Division
Department of Public Works
City of Albuquerque
P. O. Box 1293
Albuquerque, NM 87103

RE: Drainage Plan for an Addition to Jewel Osco Store 256 (J21-D9)

Dear Mr. Montoya:

Thank you for your letter dated January 12, 1993. Your comments have been noted and addressed in the revised drainage plan submitted with this letter. A summary of response to each comment is included below:

1. Noted.
2. Upon reexamination of potential offsite flow paths at the northwest corner, we agree that the existing curb-cut should remain in place to allow entry of offsite flows.
3. Noted. The references to a "retention" pond have been deleted from the drainage plan text.
4. Under peak release rate conditions, the 10.8 cfs exiting the 18" storm drain will flow at approximately 0.9 feet deep with a velocity of 10.1 feet per second. Given this approach velocity at the entrance to the sidewalk culverts, we feel that the results given by the orifice equation are too conservative. We believe that the storm drain outfall and the sidewalk culverts will function well as designed.
5. Noted.
6. Noted.

We trust that the revisions address your comments satisfactorily. Our client is anxious to obtain approval of this drainage plan. Please call at your earliest convenience if you have any questions or need any additional information.

Sincerely,



R.P. Bohannon, P.E.

RPB/das
Job No. 3510

Enclosure



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

January 12, 1993

Ronald Bohannon
Easterling & Associates, Inc.
10131 Coors Rd. NW Suite H 7/8
Albuquerque, NM 87114

RE: DRAINAGE PLAN FOR AN ADDITION TO JEWEL OSCO STORE 256 (J21-D9)
ENGINEER'S STAMP DATED 12/23/92.

Dear Mr. Bohannon:

Based on the information provided on your December 29, 1992 submittal, listed you will find some concerns that will need to be addressed prior to final approval.

1. The "Preliminary for Review Only" stamp must be removed prior to resubmittal. I am reviewing documents that will eventually be approved for construction, therefore, this documents become legal documents which are micro-filmed for filing.
2. On Sheet 2 of 5, I don't quite understand what you mean by "close drain cut" at the far northwest corner of the site. You will need to continue accepting any off-site flows from the north along the boundary line.
3. On sheet 3 of 5 for Basin C, the existing pond has always been a Detention pond and not Retention.
4. Please check the culvert capacity using the orifice formula (rectangular orifice).
5. You will need to include the sign-off blocks from the S.O. 19 format from the D.P.M. on the plan drawing.
6. Two copies of Drainage Plan required when an S.O. 19 procedure is included.

PUBLIC WORKS DEPARTMENT

Ronald Bohannon
Easterling & Associates, Inc.
10131 Coors Rd. NW Suite 7/8
Albuquerque, NM 87114
Page 2

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

Sincerely,


Bernie J. Montoya, CE
Engineering Assistant

BJM/d1/WPHYD/7435

xc: File