

DRAINAGE INFORMATION SHEET

PROJECT TITLE: PLAZA DON LUIS ZONE ATLAS/DRNG. FILE #: J-13/D38
DRB #: _____ EPC #: _____ WORK ORDER #: _____
LEGAL DESCRIPTION: TRACT 186, M.R.G.C.D. MAP NO. 38
CITY ADDRESS: _____
ENGINEERING FIRM: FRANK D. LOVELADY CONTACT: _____
ADDRESS: 300 ALAMOSA RD. NW 87107 PHONE: 898-0142
OWNER: PLAZA DON LUIS CONTACT: HENRY ACEVAS
ADDRESS: 1118 PARK AVE. SW PHONE: 242-1859
ARCHITECT: RICK BENNETT CONTACT: RICK BENNETT
ADDRESS: 1118 PARK AVE SW PHONE: 242-1859
SURVEYOR: _____ CONTACT: _____
ADDRESS: _____ PHONE: _____
CONTRACTOR: JAYNES CORPORATION CONTACT: DALE FUGUE
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 PHASE 2
☐ GRADING PERMIT APPROVAL
☐ PAVING PERMIT APPROVAL
☐ S.A.D. DRAINAGE REPORT
☐ DRAINAGE REQUIREMENTS
☐ OTHER _____ (SPECIFY)

DATE SUBMITTED: SEPTEMBER 28 1994
BY: Frank D. Lovelady

SEP 28 1994

DRAINAGE INFORMATION SHEET

PROJECT TITLE: PLAZA DON LUIS ZONE ATLAS/DRNG. FILE #: J 13-D38
 DRB #: _____ EPC #: _____ WORK ORDER #: _____
 LEGAL DESCRIPTION: TRACT 186 M.R.G.C.D. MAP NO. 38
 CITY ADDRESS: 301 ROMERO NW
 ENGINEERING FIRM: LOVELADY AND ASSOCIATES CONTACT: FRANK LOVELADY
 ADDRESS: 7408 MORROW NE. 87110 PHONE: 883-7973
 OWNER: HENRY ACEVES CONTACT: RICK BENNETT
 ADDRESS: 1118 PARK AVE. SW. PHONE: 242-1859
 ARCHITECT: RICK BENNETT CONTACT: RICK BENNETT
 ADDRESS: 1118 PARK AVE SW PHONE: 242-1859
 SURVEYOR: ELDER CO. CONTACT: _____
 ADDRESS: 530 JEFFERSON NE PHONE: 268-1830
 CONTRACTOR: _____ CONTACT: _____
 ADDRESS: _____ PHONE: _____

TYPE OF SUBMITTAL:

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

CHECK TYPE OF APPROVAL SOUGHT:

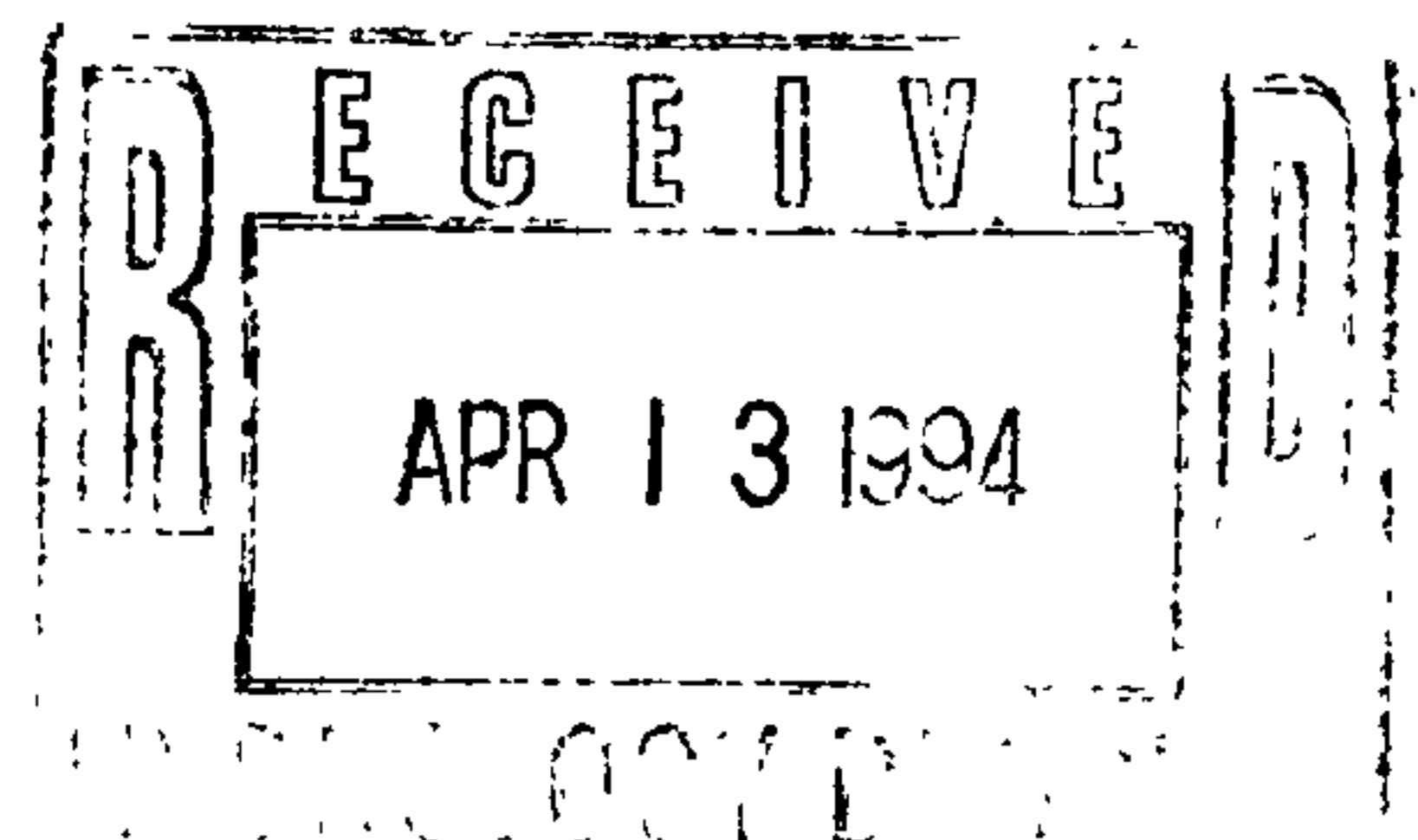
____ SKETCH PLAT APPROVAL
 ____ PRELIMINARY PLAT APPROVAL
 ____ S. DEV. PLAN FOR SUB'D. APPROVAL
 ____ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
 ____ SECTOR PLAN APPROVAL
 ____ FINAL PLAT APPROVAL
 ____ FOUNDATION PERMIT APPROVAL
 ____ BUILDING PERMIT APPROVAL
 ____ CERTIFICATE OF OCCUPANCY APPROVAL
 ____ GRADING PERMIT APPROVAL
 ____ PAVING PERMIT APPROVAL
 ____ S.A.D. DRAINAGE REPORT
 ____ DRAINAGE REQUIREMENTS
 ____ SUBDIVISION CERTIFICATION
 ____ OTHER 30 DAY C.O. (SPECIFY)

PRE-DESIGN MEETING:

____ YES
 ____ NO
 ____ COPY PROVIDED

VERBAL CMTS:
 on 4/12/94
 As-built information not
 provide Submitted not
 Gdefuqte

DATE SUBMITTED: _____
 BY: _____



LOVELADY & ASSOCIATES
300 ALAMOSA ROAD, N.W.
ALBUQUERQUE, NEW MEXICO 87107
(505) 345-2267

APRIL 11, 1994

Bernie J. Montoya, C.E.
Engineering Assistant
Engineering Group
Public Works Department
City of Albuquerque
P.O. Box 1293
Albuquerque, N.M. 87103

RE: REVISED DRAINAGE PLAN FOR PLAZA DON LUIS AT 301 ROMERO ROAD, N.W.
(J13-D-38) REVISION DATED APRIL 11, 1994.

Dear Mr. Montoya:

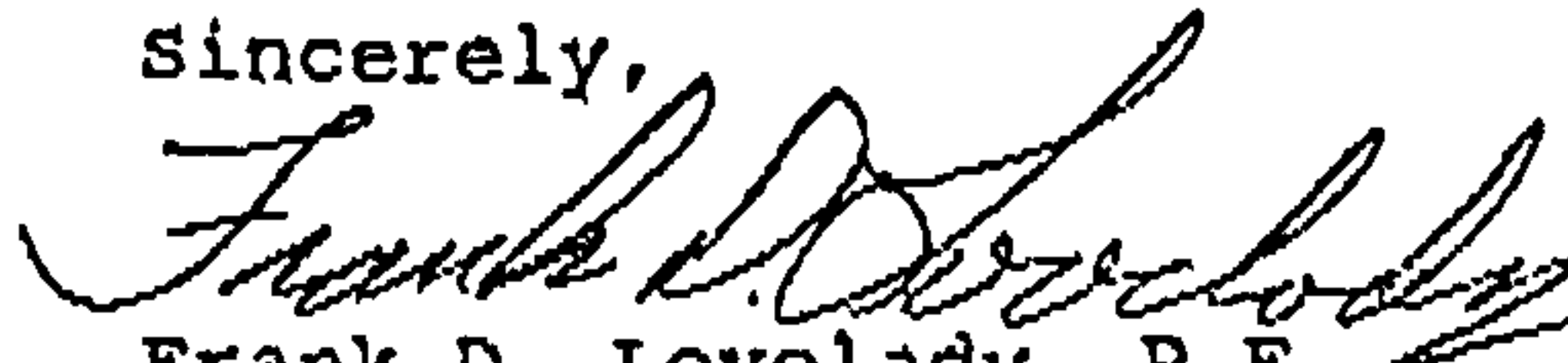
The purpose of this letter is to provide engineering certification for the easterly portion of Plaza Don Luis, or that portion of the project that drains to Romero Street. Having performed an on-site inspection of said portion of the project, I hereby certify that the drainage is in substantial conformance with the approved grading and drainage plan, engineer's stamp dated February 2, 1994, which is the most recent revision of the plan except for the one submitted with this letter.

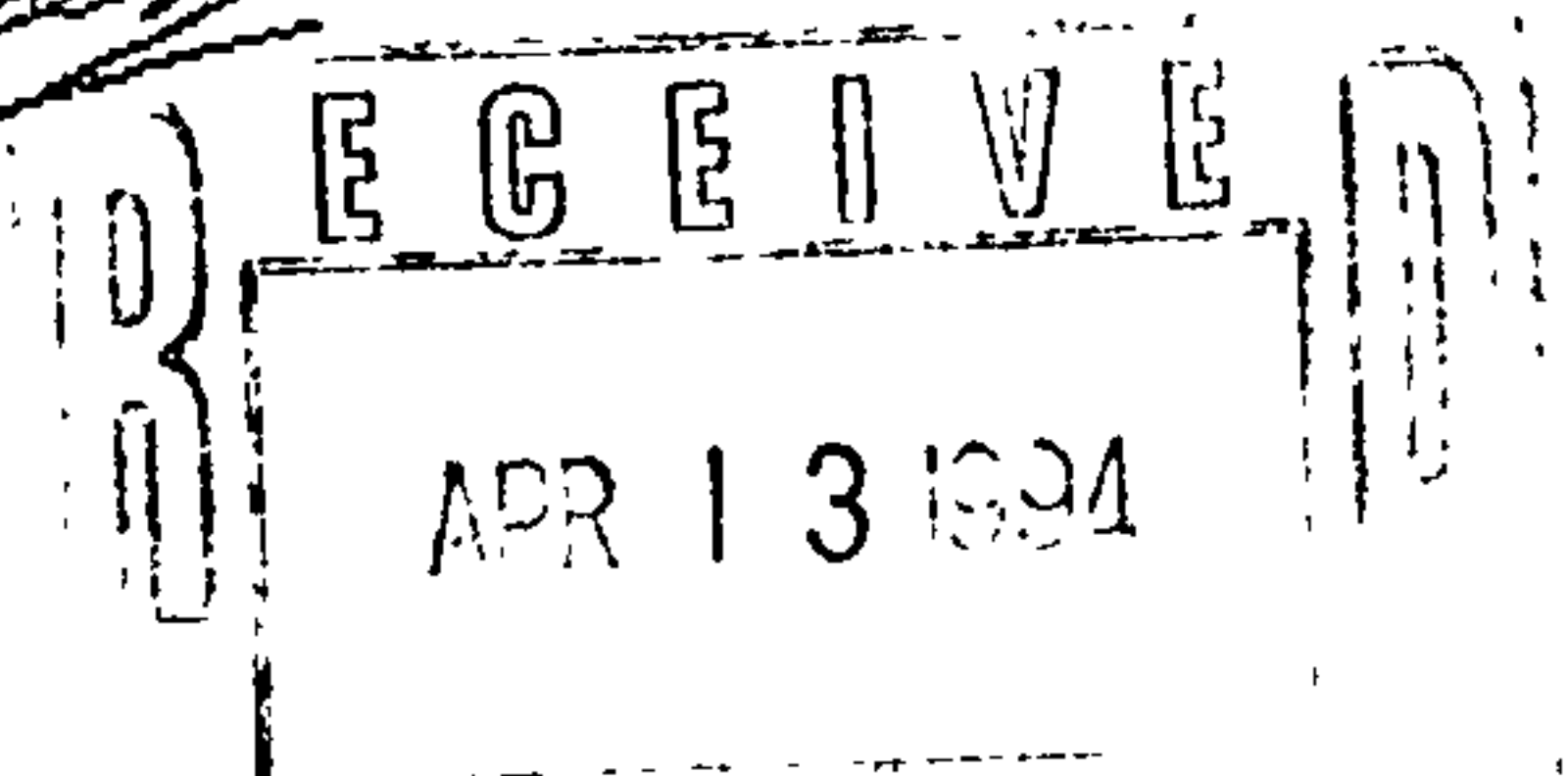
The only improvements shown on the plan that remain to be made are the following:

1. The northerly PVC pipe into Romero Street will be constructed during the process of removing the existing drivepad and replacing it with sidewalk and curb and gutter. There is presently an information trailer parked by the drivepad which will be relocated in the next few days, at which time the work can be done.
2. The southerly PVC pipe into Romero Street is in place and located properly but the curb opening allowing sidewalk flow to enter the landscaping area has not been installed but will be within the week.

It is requested that a temporary, 30-day certificate of occupancy be issued for the easterly portion of Plaza Don Luis. If you have any questions, please do not hesitate to contact me.

Sincerely,


Frank D. Lovelady, P.E.



DRAINAGE INFORMATION SHEET

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DRB #: _____ EPC #: _____ WORK ORDER #: _____
LEGAL DESCRIPTION: TRACT 186, M.R.G.C.D MAP NO. 38
CITY ADDRESS: _____
ENGINEERING FIRM: Lovelady & Associates CONTACT: Frank D. Lovelady
ADDRESS: 300 ALAMOSA RD. NW. PHONE: 898-0142
OWNER: Plaza Don Luis CONTACT: Henry Acevas
ADDRESS: 1118 Park Ave SW PHONE: 242-1859
ARCHITECT: Rick Bennett CONTACT: Rick Bennett
ADDRESS: 1118 Park Ave SW PHONE: 242-1859
SURVEYOR: _____ CONTACT: _____
ADDRESS: _____ PHONE: _____
CONTRACTOR: Jaynes Corporation CONTACT: Dale Fugue
ADDRESS: 2906 BROADWAY NE PHONE: 345-8591

TYPE OF SUBMITTAL:

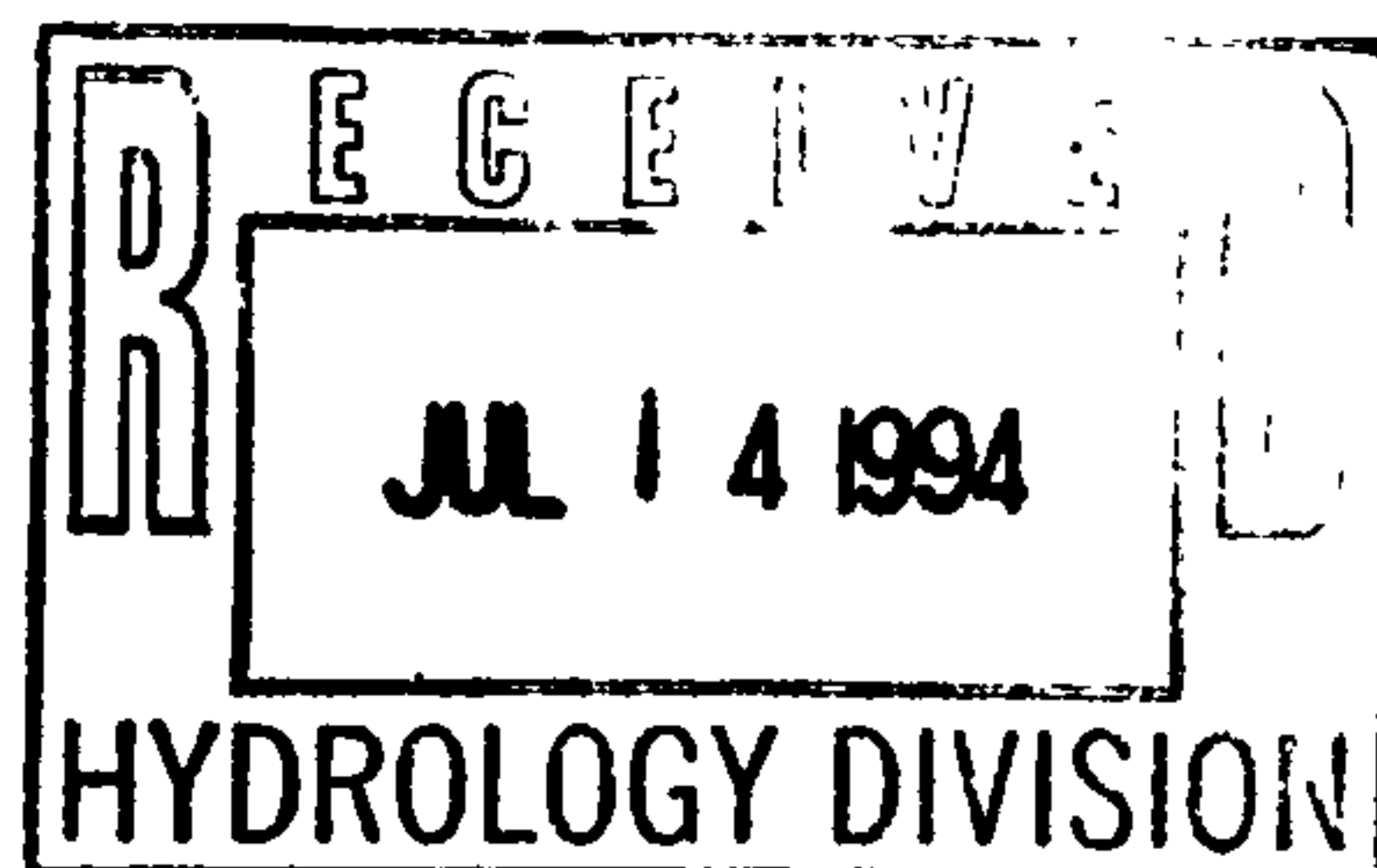
- ☐ DRAINAGE REPORT
☒ DRAINAGE PLAN
☐ CONCEPTUAL GRADING & DRAINAGE PLAN
☐ GRADING PLAN
☐ EROSION CONTROL PLAN
☐ ENGINEER'S CERTIFICATION
☐ OTHER

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
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☐ 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: July 13 1994BY: Frank D. Lovelady



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

September 29, 1994

Frank Lovelady
Lovelady & Associates
300 Alamosa NW
Albuquerque, NM 87112

REVISED ENGINEER CERTIFICATION FOR PHASE II PLAZA DON LUIS
(J13-D38) CERTIFICATION STATEMENT DATED 9/28/94.

Dear Mr. Lovelady:

Based on the information provided on your September 28, 1994 resubmittal,
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/7681

c: Andrew Garcia
File

PROJECT TITLE: PLAZA DON LUIS ZONE ATLAS/DRNG. FILE #: J-13/D38
RB #: _____ EPC #: _____ WORK ORDER #: _____
LEGAL DESCRIPTION: TRACT 186, M.R.G.C.D MAP NO. 38
CITY ADDRESS: _____
ENGINEERING FIRM: Lovelady & Associates CONTACT: Frank D. Lovelady
ADDRESS: 300 ALAMOSA RD. NW. PHONE: 898-0142
OWNER: Plaza Don Luis CONTACT: Henry Acevas
ADDRESS: 1118 Park Ave SW PHONE: 242-1859
ARCHITECT: Rick Bennett CONTACT: Rick Bennett
ADDRESS: 1118 Park Ave SW PHONE: 242-1859
SURVEYOR: _____ CONTACT: _____
ADDRESS: _____ PHONE: _____
CONTRACTOR: Jaynes Corporation CONTACT: Dale Fugue
ADDRESS: 2906 BROADWAY NE PHONE: 345-8591

TYPE OF SUBMITTAL: CHECK TYPE OF APPROVAL SOUGHT:
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☒ DRAINAGE PLAN ☐ PRELIMINARY PLAT APPROVAL
☐ CONCEPTUAL GRADING & DRAINAGE PLAN ☐ S. DEV. PLAN FOR SUB'D. APPROVAL
☐ GRADING PLAN ☐ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
☐ EROSION CONTROL PLAN ☐ SECTOR PLAN APPROVAL
☐ ENGINEER'S CERTIFICATION ☐ FINAL PLAT APPROVAL
☐ OTHER ☐ 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)

PRE-DESIGN MEETING:

☐ YES
☐ NO
☐ COPY PROVIDED

DATE SUBMITTED:

BY:

September 21, 1994
Frank D. Lovelady
VERBAL Cmts on 9/26/94

SEP 21 1994

HYDROLOG. DIV.

5131 Mast-Horn NB



rick bennett
architect

1118 Park Avenue SW
Albuquerque, New Mexico
87102
(505) 242-1859

LETTER OF TRANSMITTAL

DATE: SEPT. 21 94
TO: Hydrology Dept.

PROJECT NO. _____
RE: PLAZA DON LUIS
Old Town, ABQ.

ATTN: BERNIE MONTOLYA

WE TRANSMIT: HEREWITH BY MAIL

FOR YOUR: APPROVAL RECORD USE
INFORMATION REVIEW AND COMMENT

THE FOLLOWING: PRINTS ORIGINALS DRAWINGS
SPECIFICATIONS SHOP DRAWINGS
PRODUCT LITERATURE LETTER OTHER

COPIES	DATE	DESCRIPTION

REMARKS:

BY: [Signature]

SEP 21 1994



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

June 17, 1994

Frank Lovelady
Lovelady & Associates
300 Alamosa NW
Albuquerque, NM 87107

RE: ENGINEER CERTIFICATION FOR PHASE , PLAZA DON LUIS OLD TOWN
(J13-D38) ENGINEER'S STAMP DATED 4/11/96 WITH REVISION DATED 6/6/94.

Dear Mr. Lovelady:

Based on the information provided on your June 7, 1994 resubmittal, Engineer Certification for Phase I is acceptable at this time.

Please be advised that you will need to address the following concerns with your Phase II Certification.

1. Concrete trough on the north and east side of Basin "H" are not shown on your as-built plan. Please indicate on plan drawing and include the hydraulics along with the quantity of run-off going to each trough.
2. 4" pvc pipe coming from the southwest corner of Basin "G" is not exposed. Run-off from the concrete trough on the south side will cause problems around the water meter and public sidewalk area.
3. Delete the dumpster enclosure shown on the northwest corner of the parking area east of Rio Grande Blvd.
4. With your Phase II Certification, I will need concurrence from City sidewalk inspection for all the S.O. 19 items on the project.

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/7681

c: Andrew Garcia
File

FRANK D. LOVELADY, P.E.
300 ALAMOSA ROAD N.W.
ALBUQUERQUE, NEW MEXICO 87107

July 13, 1994

Bernie J. Montoya, CE
Engineering Associate
Hydrology Section
Public Works Department
City of Albuquerque
P.O. Box 1293
Albuquerque, NM 87103

RE: ENGINEER CERTIFICATION FOR PHASE 1 AND PHASE 2, PLAZA DON LUIS OLD
TOWN (J13-D38) ENGINEER'S STAMP DATED 10/19/89 WITH LATEST REVISION
DATED 7/13/94. COMMENT LETTER DATED JUNE 17, 1994.

Dear Mr. Montoya:

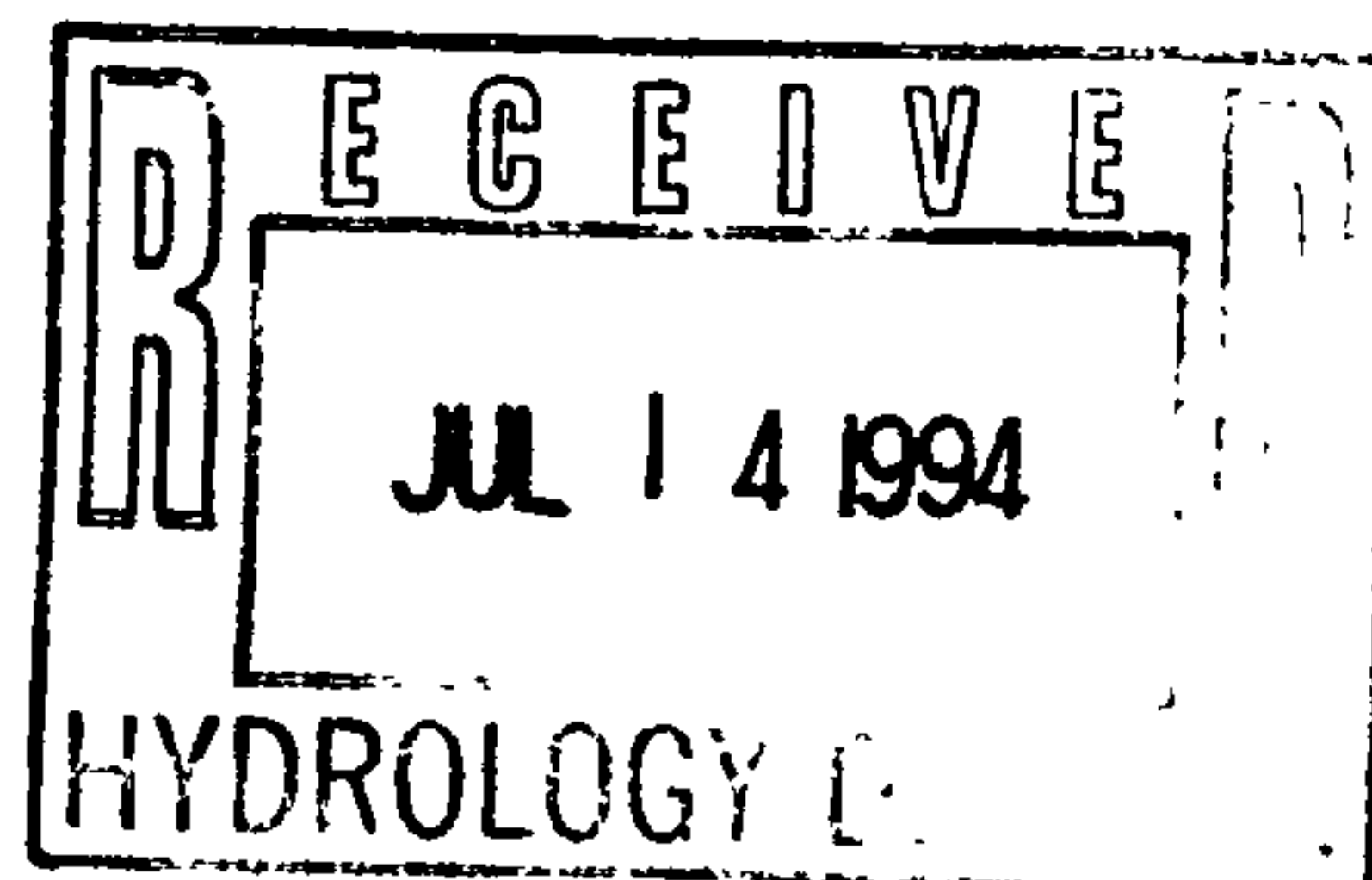
In response to your letter, the action that has been taken on the four
comments is explained as follows:

1. The concrete trough on the north side of Basin "H" has been addressed on the plan by shooting elevations and providing hydraulics as requested. The concrete trough on the east side of Basin "H" does not carry any runoff from any of the adjacent buildings but only that runoff which would fall directly on it. Therefore, no calculations were presumed to be necessary. The trough was constructed to prevent weeds from growing in this very narrow, confined space.
2. Per our discussion, the owner has agreed to construct a concrete headwall for the pipe which will intercept runoff from the trough on the north side of Basin "H" and prevent damage to the water meter. This has not been done yet and, therefore, is not shown on the as-constructed grading and drainage plan. Because of the urgent need for a C.O., I have been asked to respond to your comments and resubmit the plan with the intention of completing this item before the end of this week.
3. The dumpster enclosure previously shown on the northwest corner of the parking area east of Rio Grande Blvd. has been deleted.
4. No records have been found that the S.O. 19 items were inspected. The items on Rio Grande Boulevard were installed as the sidewalk and curb and gutter were being constructed on that project. The items on Romero Street were installed with curb and gutter removal and replacement but there is no indication that they were inspected.

The revised plan is submitted with this letter for your review. If you have any questions, please do not hesitate to contact me.

Sincerely,

Frank D. Lovelady
Frank D. Lovelady, P.E.





City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

August 3, 1994

Frank Lovelady
Lovelady & Associates
300 Alamosa NW
Albuquerque, NM 87107

RE: ENGINEER CERTIFICATION FOR PHASE I & II PLAZA DON LUIS, OLD
TOWN (J13-D38) REVISION DATED 7/13/94.

Dear Mr. Lovelady:

Based on the information provided on your July 14, 1994 resubmittal, a 30 day temporary Certificate of Occupancy may be granted at this time for Phase II.

Please be advised that all the items of concern within Phase II must be completed and certified by you prior to the issuance of the permanent Certificate of Occupancy. Also, concurrence of work done within the City Right-of-Way must be provided with your resubmittal.

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/7681

c: Andrew Garcia
File

DRAINAGE INFORMATION SHEET

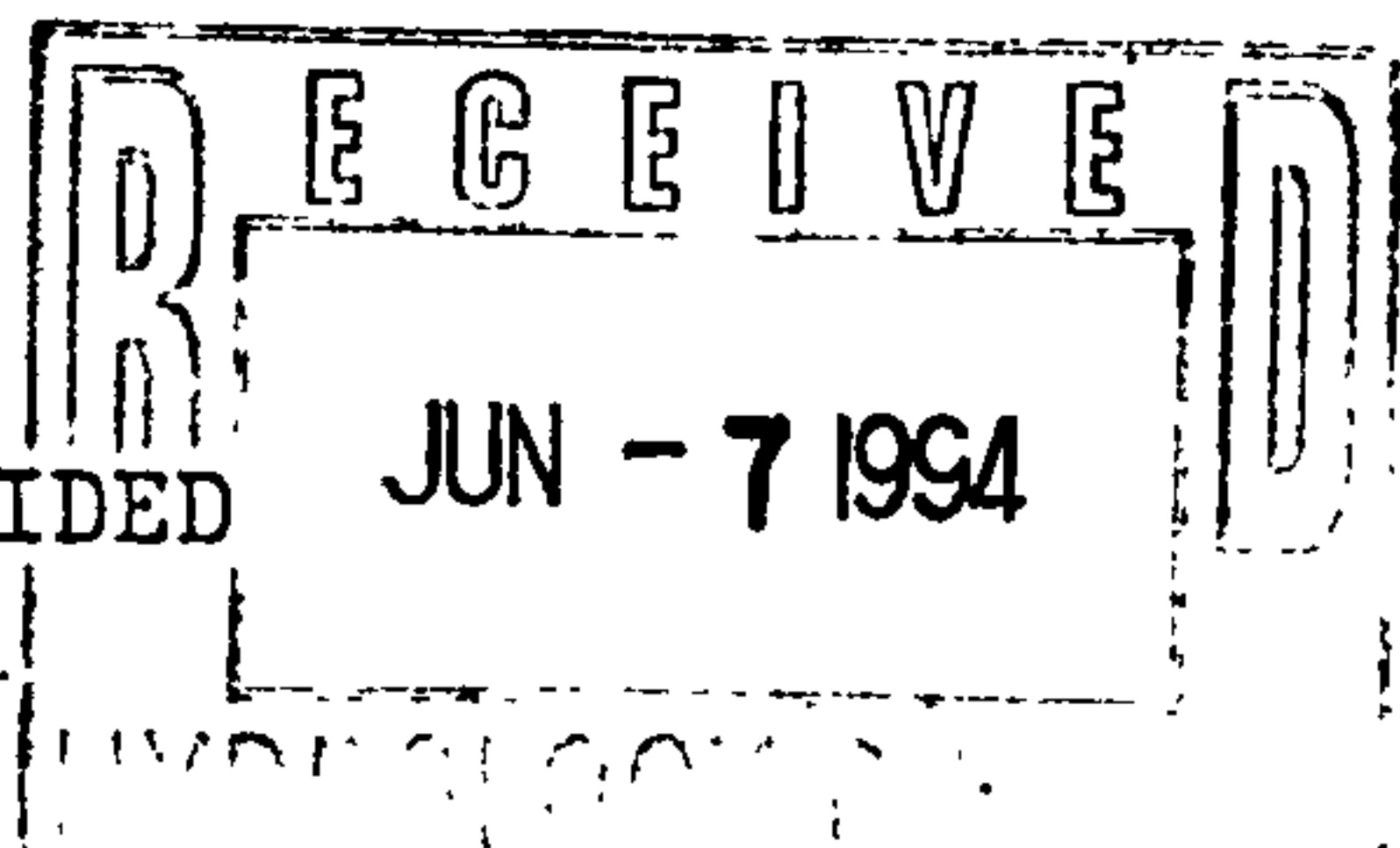
PROJECT TITLE: PLAZA DON LUIS - OLD TOWN ZONE ATLAS/DRNG. FILE #: J-13/D-38
DRB #: _____ EPC #: _____ WORK ORDER #: _____
LEGAL DESCRIPTION: TRACT 186 MRGCD MAP NO. 38, SECTION 18, T10N R3E NMPM
CITY ADDRESS: _____
ENGINEERING FIRM: Lovelady & Associates CONTACT: Frank D. Lovelady
ADDRESS: 300 ALAMOSA NW PHONE: W 898-0142 / 345-2267 H
OWNER: HENRY ACEVES CONTACT: RICK BENNETT
ADDRESS: 1118 PARK AVE S.W. PHONE: 242-1859
ARCHITECT: RICK BENNETT CONTACT: RICK BENNETT
ADDRESS: 1118 PARK AVE S.W. PHONE: 242-1859
SURVEYOR: FRANK LOVELADY CONTACT: FRANK LOVELADY
ADDRESS: 300 ALAMOSA NW 87107 PHONE: 898-0142
CONTRACTOR: JAYNES CORPORATION CONTACT: DALE FUQUA
ADDRESS: 2906 BROADWAY BLVD. N.E. 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: JUNE 7, 1994
BY: Frank D. Lovelady

log off

4/13/94

J13-D38

VERAL CMTS

Submitted No Adequate

PM

DRAINAGE INFORMATION SHEET

PROJECT TITLE: PLAZA DOTT LUIS ZONE ATLAS/DRNG. FILE #: J 13-D 38LEGAL DESCRIPTION: TRACT 186 M.E.G.C.D. MAP NO. 38CITY ADDRESS: 301 ROMERO NWENGINEERING FIRM: Lovelady & Associates CONTACT: Frank LoveladyADDRESS: 7408 Morrow Ave. NE 87110 PHONE: 883-7973OWNER: HENRY ACEVES CONTACT: RICK BENNETTADDRESS 1118 PARK AVE. SW PHONE: 242-1859ARCHITECT: RICK BENNETT CONTACT: RICK BENNETTADDRESS: 1118 PARK AVE. SW PHONE: 242-1859SURVEYOR: ELDER CO. CONTACT: _____ADDRESS: 530 JEFFERSON NE PHONE: 268-1830

CONTRACTOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

PRE-DESIGN MEETING:

____ YES

DRB NO. _____

____ NO

EPC NO. _____

____ COPY OF CONFERENCE RECAP
SHEET PROVIDED

PROJECT NO. _____

TYPE OF SUBMITTAL:

CHECK TYPE OF APPROVAL SOUGHT:

____ DRAINAGE REPORT

____ SKETCH PLAT APPROVAL

✓ DRAINAGE PLAN

APR - 8 1993

____ PRELIMINARY PLAT APPROVAL

____ CONCEPTUAL GRADING & DRAIN. PLAN

____ SITE DEVELOPMENT PLAN APPROVAL

____ GRADING PLAN

____ FINAL PLAT APPROVAL

____ EROSION CONTROL PLAN

✓ BUILDING PERMIT APPROVAL

____ ENGINEER'S CERTIFICATION

____ FOUNDATION PERMIT APPROVAL

Resubmittal ~~showing~~
showing slight changes in
sidewalk and landscaping

____ CERTIFICATE OF OCCUPANCY APPROVAL

____ ROUGH GRADING PERMIT APPROVAL

DATE SUBMITTED: MARCH 5, 1993

____ GRADING/PAVING PERMIT APPROVAL

BY: Frank D. Lovelady
Frank D. Lovelady, P.E.

OTHER _____ (SPECIFY)

GRADING AND DRAINAGE PLAN

FOR

PLAZA DON LUIS

301 ROMERO ROAD, N.E.

OLD TOWN OF ALBUQUERQUE

PREPARED BY:

LOVELADY & ASSOCIATES

OCTOBER 19, 1989

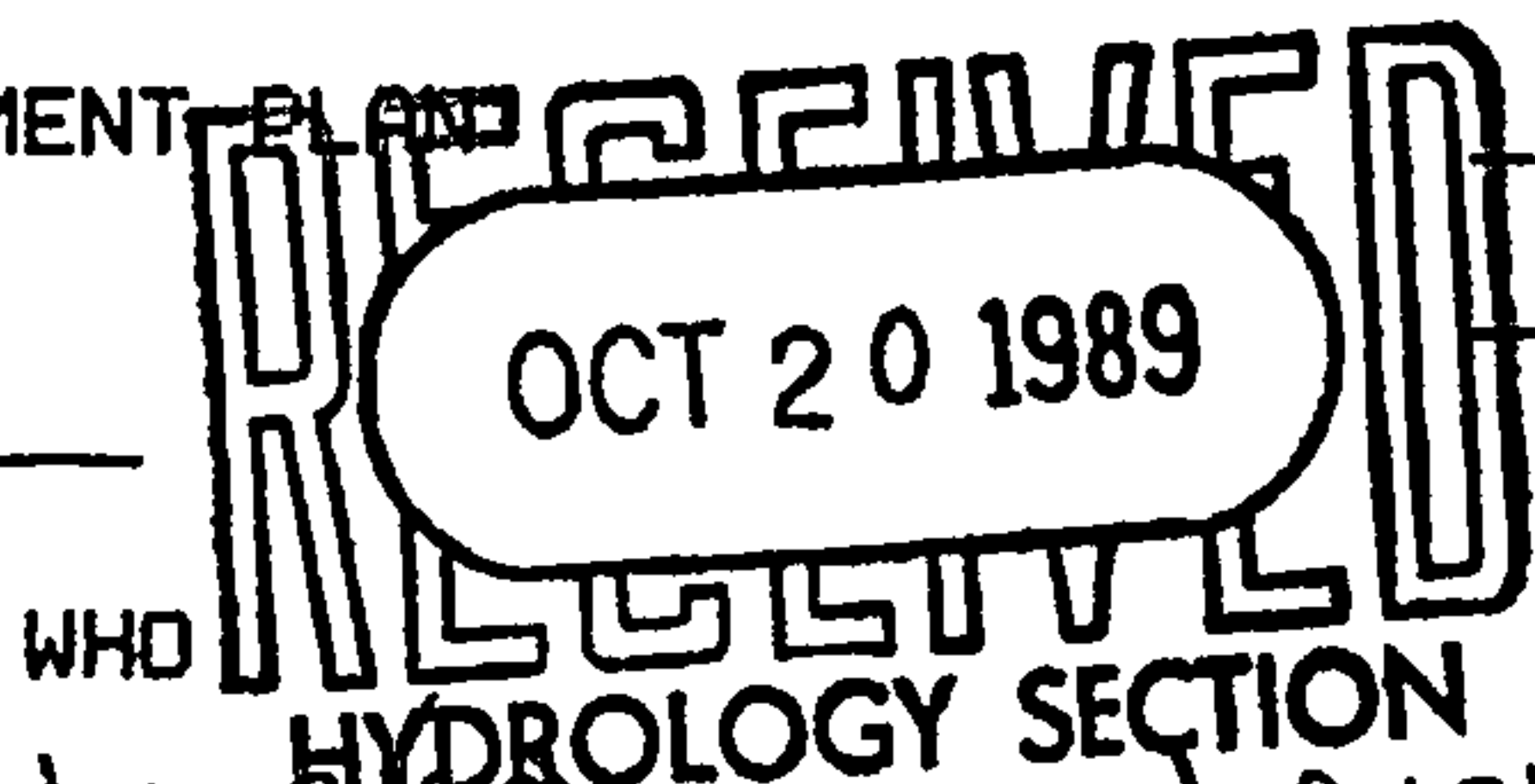
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION/DESIGN HYDROLOGY SECTION

CONFERENCE RECAP

DRAINAGE FILE/ZONE ATLAS PAGE NO.: J-13 DATE: 9/14/89 @ 9:00
PLANNING DIVISION NOS: EPC: _____ DRB: _____
SUBJECT: Plaza don Luis in Old Town
STREET ADDRESS (IF KNOWN): _____
SUBDIVISION NAME: Tract 186 MRGCD Map 38

APPROVAL REQUESTED:

_____ PRELIMINARY PLAT	_____ FINAL PLAT
_____ SITE DEVELOPMENT PLAT	<u>X</u> BUILDING PERMIT
_____ OTHER	_____ ROUGH GRADING



ATTENDANCE: Frank Lovelady Lovelady & Assoc.
Bernie Montoya Hydrology Section

FINDINGS:

1. Drainage plan per D.P.M. guidelines required prior to Building Permit release.
2. Existing 24" RCP on Rio Grande with existing catch basins.
Existing 12" RCP on Romero Street with existing catch basins.
3. Site is located within a 500 year flood zone.
4. Internal flows must be directed either to Romero or Rio Grande.
5. Free discharge to either street.
6. Must address any off-site flows if any.
7. _____

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: Bernie Montoya
TITLE: Engineering Assistant
DATE: 9/14/89

SIGNED: Frank D. Lovelady
TITLE: _____
DATE: 9/14/89

DRAINAGE CALCULATIONS

SOIL INFORMATION:

(REFER TO "SOIL SURVEY OF BERNALILLO COUNTY AND PARTS OF SANDOVAL AND VALENCIA COUNTIES, NEW MEXICO", ISSUED JUNE, 1977.) PLATE 30 OF THE REFERENCED SURVEY SHOWS SOIL AT THE SITE TO BE Ag, AGUA SILTY CLAY LOAM, HYDROLOGIC SOIL GROUP "B".

RAINFALL, 100-YEAR, 6-HOUR:

(REFER TO D.P.M., PLATE 22.2 D-1)

$$R_6 = 2.2 \text{ INCHES}$$

TIME OF CONCENTRATION:

USE MINIMUM TIME OF CONCENTRATION OF TEN (10) MINUTES.

RAINFALL INTENSITY:

(REFER TO PLATE 22.2 D-2.) $I = R_6 \times 6.84 \times T_c^{-0.51}$

$$I = 2.2 \times 6.84 (10)^{-0.51} = 4.65 \text{ INCHES PER HOUR}$$

AREA (SQUARE FEET) OF VARIOUS SURFACE TYPES:

	<u>EXISTING</u>	<u>DEVELOPED</u>
BUILDINGS	9976	18748
PAVEMENT, WALKS, ETC.	17603	11941
LANDSCAPING	3150	1814
UNPAVED	1774	
TOTAL	32503	32503

CURVE NUMBERS:

(REFER TO PLATE 22.2 C-2 FOR TYPE "B" SOILS.)

BUILDINGS AND PAVEMENT (PARKING LOTS, ROOFS, ETC.) CN = 98

LANDSCAPING (OPEN SPACES, LAWNS, FAIR CONDITION) CN = 69

UNPAVED DIRT (STREETS AND ROADS, DIRT.) CN = 82

DIRECT RUNOFF:

(REFER TO D.P.M. PLATE 22.2 C-4 FOR THE ABOVE CURVE NUMBERS AND RAINFALL OF 2.2 INCHES.)

BUILDINGS AND PAVEMENT	$Q_D = 2.00 \text{ INCHES}$
LANDSCAPING	$Q_D = 0.30 \text{ INCHES}$
UNPAVED DIRT	$Q_D = 0.80 \text{ INCHES}$

RUNOFF COEFFICIENTS:

(REFER TO "NOTICE OF EMERGENCY RULE, CITY OF ALBUQUERQUE, JANUARY 14, 1986.)

<u>TYPE OF SURFACE</u>	<u>"C" VALUE</u>
UNDEVELOPED (UNPAVED)	0.40
LAWNS AND LANDSCAPING	0.25
ROOFS	0.90
STREETS, DRIVES, WALKS	0.95

WEIGHTED "C" VALUE:

EXISTING CONDITIONS:

$$C_w = \frac{(9976 \times 0.90 + 17603 \times 0.95 + 3150 \times 0.25 + 1774 \times 0.40)}{23503} = 0.84$$

DEVELOPED CONDITIONS:

$$C_w = \frac{(18748 \times 0.90 + 11941 \times 0.95 + 1814 \times 0.25)}{32503} = 0.88$$

PEAK RUNOFF:

CALCULATED BY RATIONAL EQUATION, $Q_{100} = CIA$ $Q_{10} = 0.657(Q_{100})$

EXISTING CONDITIONS:

$$Q_{100} = 0.84 \times 4.65(32503/43560) = 2.91 \text{ CFS}$$

$$Q_{10} = 0.657(2.91) = 1.91 \text{ CFS}$$

DEVELOPED CONDITIONS:

$$Q_{100} = 0.88 \times 4.65(32503/43560) = 3.05 \text{ CFS}$$

$$Q_{10} = 0.657(3.05) = 2.00 \text{ CFS}$$

6-HOUR VOLUME:

$$V_{100} = \text{AREA (SF)} \times (Q_D/12); \quad V_{10} = 0.657(V_{100})$$

EXISTING CONDITIONS:

$$V_{100} = \frac{(27579 \times 2.00 + 3150 \times 0.30 + 1774 \times 0.80)}{12} = 4793 \text{ CF} \quad V_{10} = 3149 \text{ CF}$$

DEVELOPED CONDITIONS:

$$V_{100} = \frac{(30689 \times 2.00 + 1814 \times 0.30)}{12} = 5160 \text{ CF}$$

$$V_{10} = 3390 \text{ CF}$$

EAST PATIO GRATE CAPACITY:

USE ACO DRAIN SECTION W/PERFORATED GRATES TO ELIMINATE HIGH HEEL HAZARD. GRATE HAS 1/4" DIA. HOLE, 400 EACH PER GRATE SECTION. USE 2 GRATE SECTIONS, ONE WEST OF FOUNTAIN AND ONE EAST OF FOUNTAIN.

HOLE AREA = $0.25^2(\pi)/4 = 0.0491 \text{ SQ. IN.}$ TOTAL AREA = $0.0491 \times 400 = 19.64 \text{ SQ. IN. OR } 0.1364 \text{ SF.}$ USE ORIFICE EQUATION $Q = CA(2GH)^{1/2}$ $C = 0.6$ $A = 0.1364$ $H = 0.3'$ (STANDING WATER ABOVE GRATE DURING 100-YEAR FLOOD.)

$$Q = 0.6 \times 0.1364(2 \times 32.2 \times 0.3)^{1/2} = 0.36 \text{ CFS}$$

0.36 CFS PER GRATE X 2 GRATES = 0.72 CFS > 0.24 CFS (EAST PATIO RUNOFF)

EAST OUTLET PIPE CAPACITY:

PIPE CONNECTING EAST ACO DRAIN TO S.W. CULVERT. USE 6" PIPE FROM ACO DRAIN TO S.W. CULVERT.

ASSUME DEPTH OF WATER IN ACO DRAIN IS AT GRATE LEVEL FOR 100-YEAR STORM.

$$Q_{100} = 0.77 \text{ CFS ROOFS AND EAST PATIO. } H = (56.00 - 55.07) - 0.25 = 0.70'$$

$$A = 0.5^2(\pi)/4 = 0.1963 \text{ SF } Q = 0.6 \times 0.1963(2 \times 32.2 \times 0.70)^{1/2} = 0.79 \text{ CFS}$$

0.79 CFS > 0.77 CFS (ADEQUATE)

WEST PATIO GRATE CAPACITY:

SURFACE RUNOFF FROM WEST PATIO = 0.34 CFS GRATE CAPACITY = 0.36 CFS (HIGH WATER LEVEL 0.3 FEET ABOVE GRATE AT 100-YEAR STORM)

WEST OUTLET PIPE CAPACITY:

PIPE CONNECTING ACO DRAIN TO SIDEWALK CULVERT. USE 6" PIPE.

$Q = 0.14 + 0.20 + 0.15 + 0.34 = 0.83$ CFS (ROOF AND PATIO RUNOFF)

DEPTH OF DRAIN (NW 100-15) = 8.9 INCHES = 0.74' ASSUME 100-YEAR STORM 0.3' ABOVE GRATE. $H = 0.74 - 0.25 + 0.3 = 0.79$ FT.

$Q = CA(2GH)^{1/2} = 0.6 \times 0.1963 (2 \times 32.2 \times 0.79)^{1/2} = 0.84$ CFS > 0.83 CFS

Pre-Design Investigation
(Additions)

DATE 3-13-87

ADDRESS _____ ZONE ATLAS # 113 / 038

LEGAL DESCRIPTION _____

OWNER _____

ARCHITECT/ENGINEER _____

LOT SIZE _____

ZONING _____

PROPOSED DEVELOPMENT _____

	YES	NO	NA	COMMENTS
FLOOD HAZARD AREA		B	B	
PART OF AN APPROVED REPORT		/		
CONSTRUCTION PLANS ON MICRO-FILM		✓		
FIELD INSPECTION	✓			

COMMENTS:

DRAINAGE ALL GOES TO WEST SIDE OF
PROPERTY. RECOMMEND BURNING "CL" ALONG WEST
FE. & SLOPING EARTH TO DRAIN INTO PAVED
ALLEY ALONG SOUTH SIDE OF PROPERTY

DRAINAGE REQUIREMENTS:



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

April 12, 1993

Frank Lovelady
Lovelady & Associates
7408 Morrow Ave. NE
Albuquerque, NM 87112

RE: REVISED DRAINAGE PLAN FOR PLAZA DON LUIS @ 301 ROMERO RD. NW
(J13-D38) REVISION DATED APRIL 1, 1993.

Dear Mr. Lovelady:

Based on the information provided on your April 8, 1993 resubmittal, listed are some concerns that will need to be addressed prior to Final Approval:

1. Clarify what will happen to the run-off from the east side of the project. Do you propose a sidewalk culvert to outlet the run-off onto Romero Street?
2. I Recommend you install more clearouts within your proposed lines at points where the runs are extremely long.
3. Please be advised that developed run-off is not allowed to cross public sidewalks or to pond within landscaped area.

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

Sincerely,

Bernie J. Montoya
Bernie J. Montoya, CE
Engineering Assistant

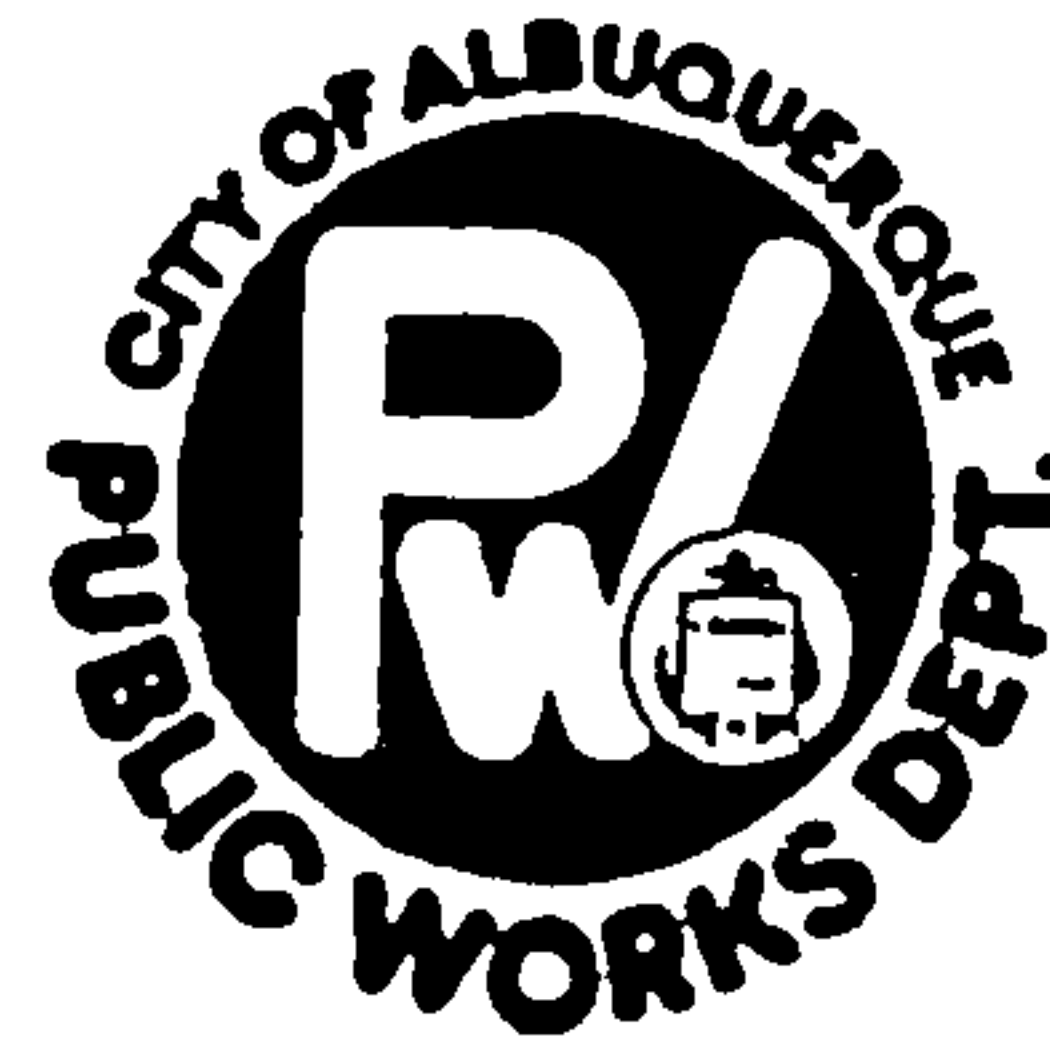
BJM/d1/WPHYD/7681

xc: ☐ File ☐

PUBLIC WORKS DEPARTMENT

FILE COPY

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT



INTER-OFFICE CORRESPONDENCE

November 15, 1989

ENGINEERING GROUP

TO: Desiderio Salas; Street Maintenance Division

FROM: Fred J. Aguirre, Hydrologist; Engineering Group/PWD *FJA*

SUBJECT: PRIVATE DRAINAGE FACILITIES WITHIN PUBLIC RIGHTS-OF-WAY/EASEMENT
PLAZA DON LUIS - 301 ROMERO ROAD, NW (J-13/D38)

Transmitted herewith, is a copy of the approved drainage plan for the referenced project incorporating the S.O. #19 design.

In accordance with the new process, this plan is being submitted to you for permitting and inspection. Please provide this section with a signed-off copy per the signature block upon construction and acceptance by your office.

As you are aware, the signed-off S.O. #19 is required by this office for Certificate of Occupancy release; hence your expeditious processing of this plan would be greatly appreciated and would avoid any unnecessary delay in the release of the Certificate of Occupancy.

Thank you for your cooperation, and if you should have any questions and/or comments regarding the process, please feel free to call me at 768-2650.

FJA/bsj

Attachment

FILE COPY



KEN SCHULTZ
MAYOR

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

November 13, 1989

Frank Lovelady
Lovelady & Associates
7408 Morrow, NE
Albuquerque, NM 87110

RE: REVISED DRAINAGE PLAN FOR PLAZA DON LUIS (J13-D38)
REVISION DATED 11/3/89

Dear Mr. Lovelady:

Based on the information provided on your November 3, 1989 resubmittal, the above referenced drainage plan is approved for Building Permit.

Please be advised that a separate permit is required for construction within City R/W. A copy of this approval letter must be on hand when applying for the excavation permit.

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

If I can be of further assistance, please feel free to contact me at 768-2650.

Sincerely,

Bernie J. Montoya, C.E.
Engineering Assistant

cc: Becky Sandoval, Permit Specialist

BJM:jc
WP+1395

PUBLIC WORKS DEPARTMENT

Walter H. Nickerson, Jr., P.E.
Assistant Director Public Works

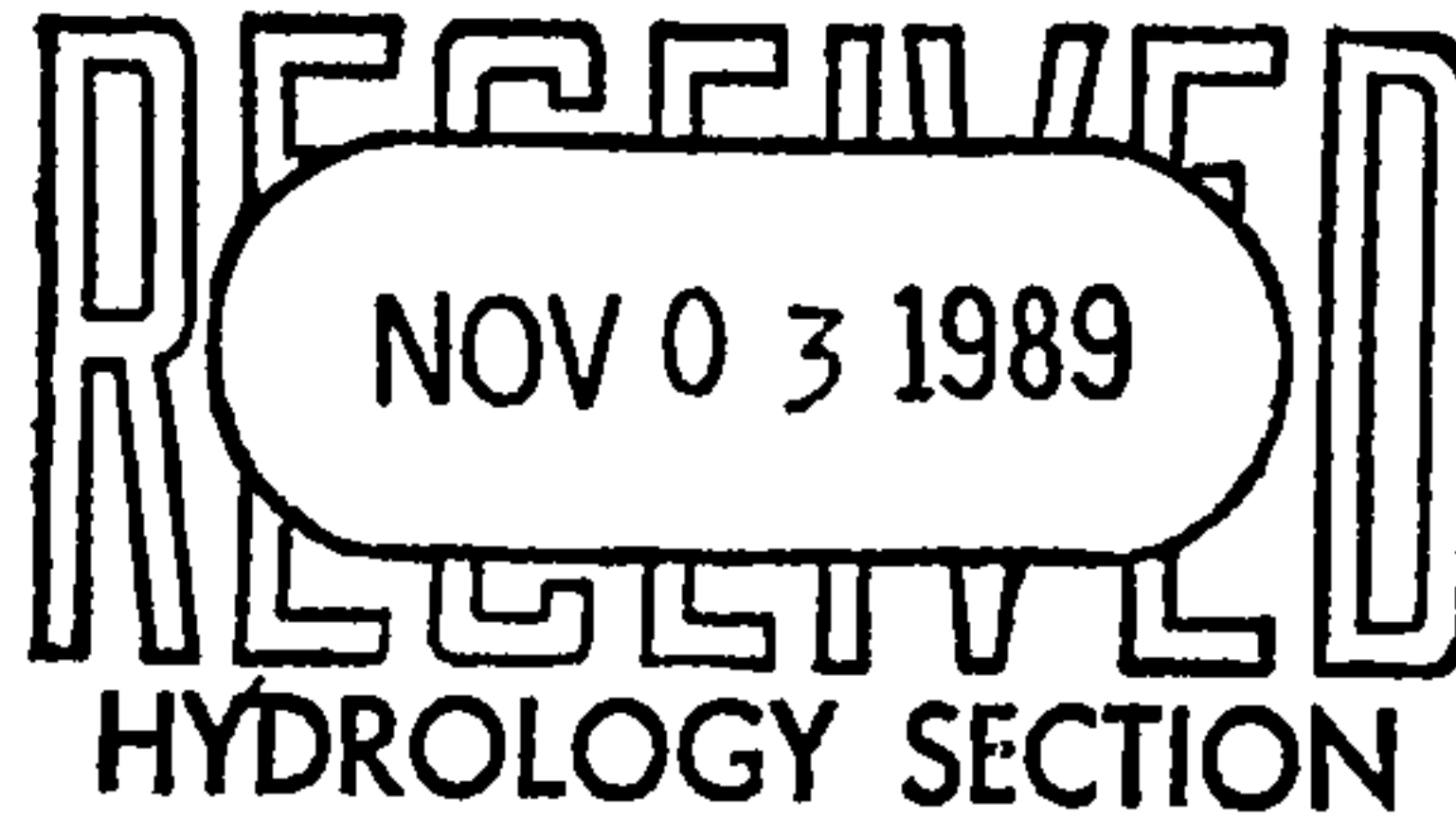
ENGINEERING GROUP

Telephone (505) 768-2500

AN EQUAL OPPORTUNITY EMPLOYER

Lovelady & Associates
7408 Morrow Ave. N.E.
Albuquerque, NM 87110
November 3, 1989

Bernie J. Montoya, C.E.
Engineering Assistant
Hydrology Section
City of Albuquerque
P.O. Box 1293
Albuquerque, NM 87103



RE: DRAINAGE PLAN FOR PLAZA DON LUIS (J-13/D-38)

Dear Mr. Montoya:

With regard to your letter of October 26, 1989, the concerns you expressed have been addressed as follows:

1. More top of curb and flowline elevations have been shown for the proposed bus loading lane.
2. Notes have been added referencing the 3" pipes and sidewalk culverts to the S.O. 19 block.
3. The cross section of the ACO channel has been added. The pipes do not tie directly into the ACO channel but, rather, into a collector pipe. The brick paving pattern coincides with the pipe and is somewhat confusing so arrows were added showing the limits of the ACO drains. They are only one meter long.

If you have any questions or require additional information, please call me at 883-7973.

Sincerely,

Frank D. Lovelady

PROJECT TITLE: PLAZA N LUISZONE ATLAS/DRAWING FILE #: J-13/D38LEGAL DESCRIPTION: Tract 186, M.R.G.C.D. MAP NO. 38CITY ADDRESS: 301 ROMERO ROAD, N.W.ENGINEERING FIRM: Lovelady & Associates CONTACT: Frank LoveladyADDRESS: 7408 Morrow Ave. NE 87110 PHONE: 883-7973OWNER: Henry AcevesCONTACT: Rick BennettADDRESS 1118 Park Ave. SWPHONE: 242-1859ARCHITECT: Rick BennettCONTACT: Rick BennettADDRESS: 1118 Park Ave. S.W.PHONE: 2421859SURVEYOR: Elder Co.

CONTACT: _____

ADDRESS: 530 Jefferson N.E.PHONE: 268-1830

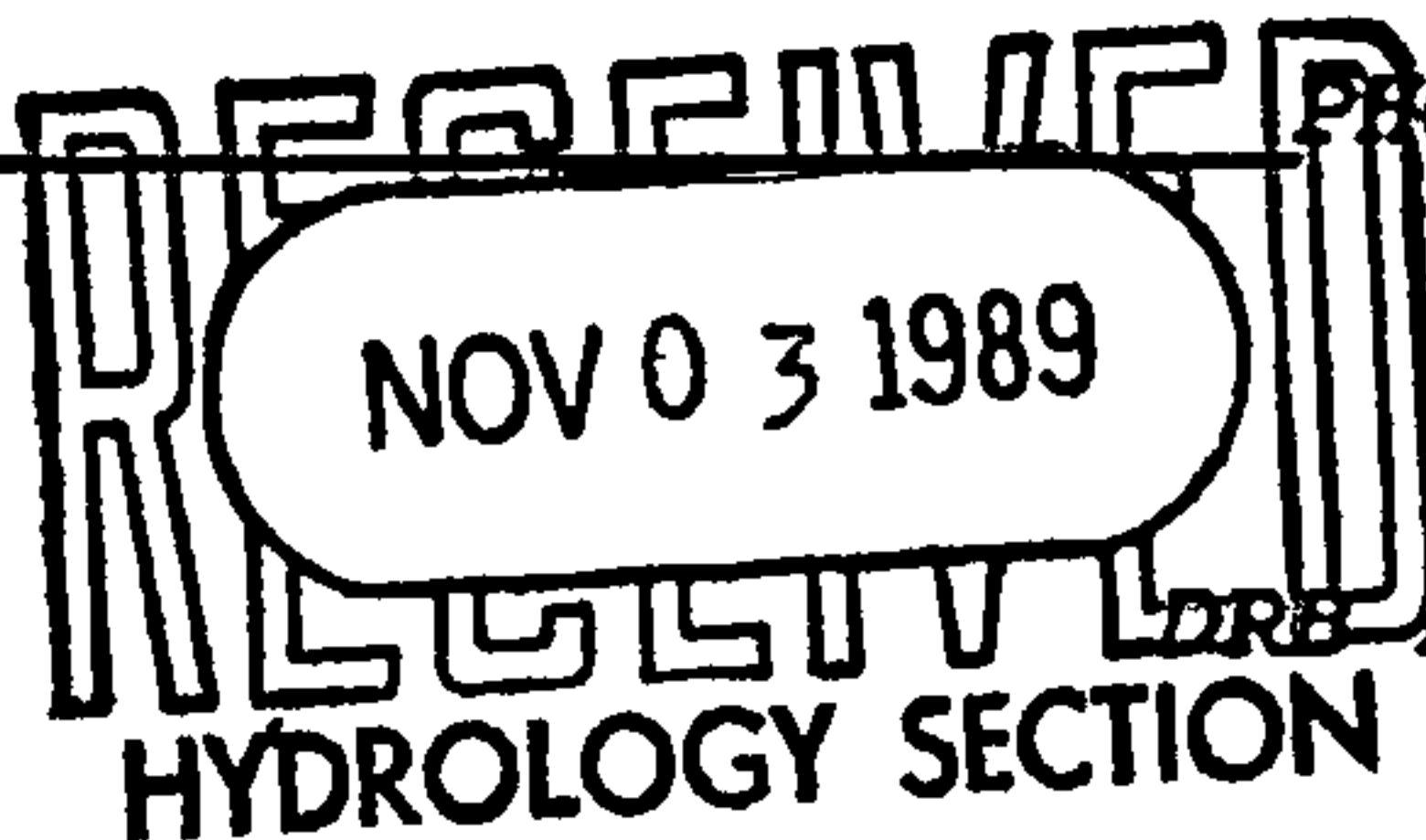
CONTRACTOR: _____

CONTACT: _____

ADDRESS: _____

PHONE: _____

PRE-DESIGN MEETING:

☒ YES☐ NO☒ COPY OF CONFERENCE RECAP
SHEET PROVIDED

DRE NO. _____

EPC NO. _____

PROJECT NO. _____

TYPE OF SUBMITTAL:

☐ DRAINAGE REPORT☒ DRAINAGE PLAN☐ CONCEPTUAL GRADING & DRAIN. PLAN☐ GRADING PLAN☐ EROSION CONTROL PLAN☐ ENGINEER'S CERTIFICATION☐ Resubmitted per letter
of Oct 26, 1989 from
Bernie J. Montoya.DATE SUBMITTED: Nov 3, 1989October 19, 1989BY: Frank D. Lovelady

Frank D. Lovelady, P.E.

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)

FILE COPY



KEN SCHULTZ
MAYOR

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

October 26, 1989

Frank Lovelady
Lovelady & Associates
7408 Morrow, NE
Albuquerque, New Mexico 87110

RE: DRAINAGE PLAN FOR PLAZA DON LUIS
(J-13/D38) RECEIVED OCTOBER 20, 1989

Dear Mr. Lovelady:

Based on the information provided on your submittal of October 20, 1989, listed are some concerns that will need to be addressed prior to final approval.

1. More top of curb and flowline elevations on the proposed bus loading lane.
2. If the proposed bus lane is within city right-of-way, the proposed sidewalk culvert and the proposed 3" pvc pipe must be part of the S.O. #19. Please address.
3. Cross section showing your proposed ACU channel and the tie of the 3" pvc pipes into the ACU channel.

If I can be of further assistance, please feel free to call me at 768-2650.

Cordially,

Bernie J. Montoya, C.E.
Engineering Assistant

BJM/bsj
(WP+1395)

PUBLIC WORKS DEPARTMENT

Walter H. Nickerson, Jr., P.E.
Assistant Director Public Works

ENGINEERING GROUP

Telephone (505) 768-2500

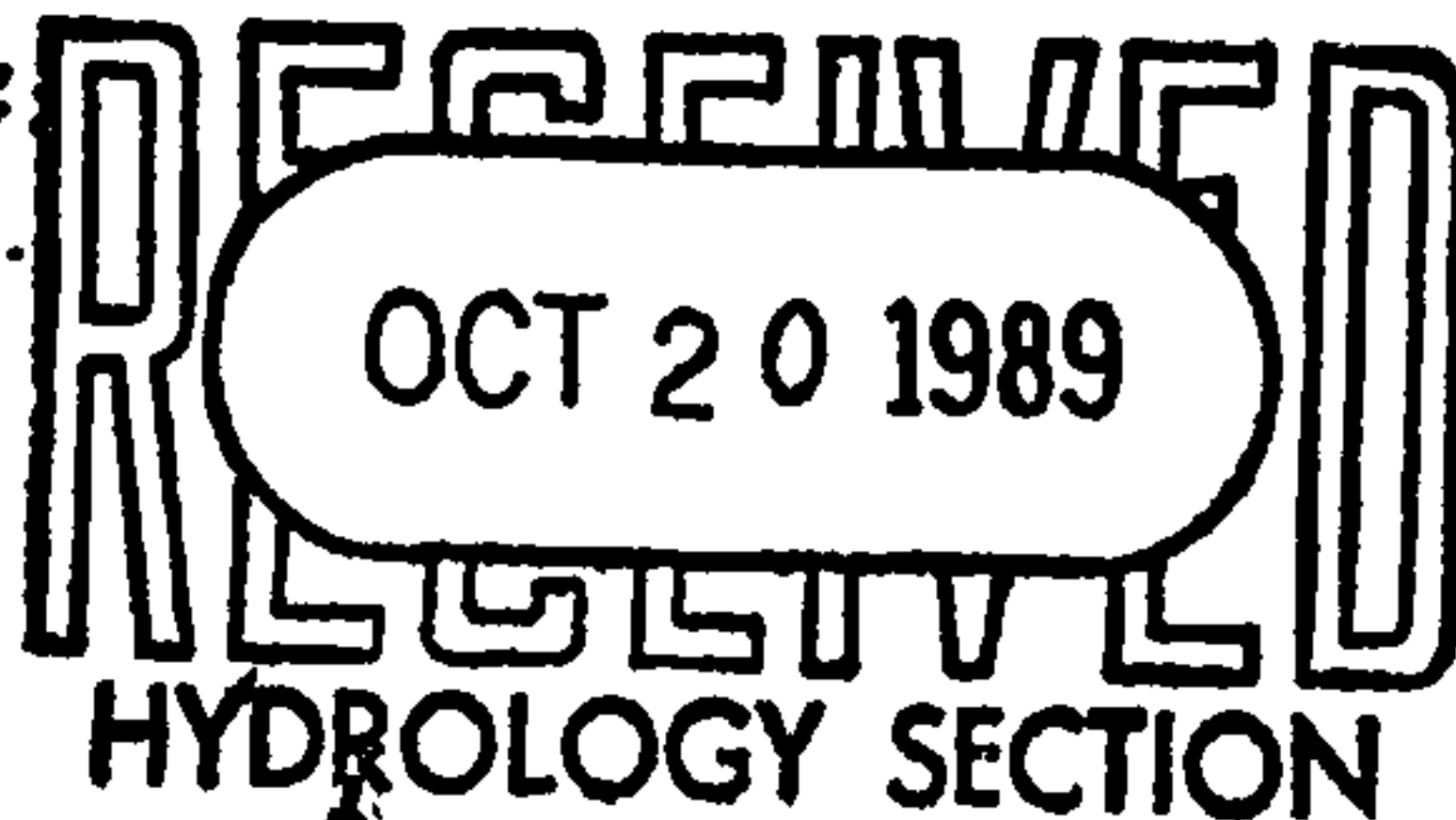
AN EQUAL OPPORTUNITY EMPLOYER

PROJECT TITLE: PLAZA LUIS ZONE ATLAS/DR FILE #: J-13/D38LEGAL DESCRIPTION: Tract 186, M.R.G.C.D. MAP NO. 38CITY ADDRESS: 301 ROMERO ROAD, N.W.ENGINEERING FIRM: Lovelady & Associates CONTACT: Frank LoveladyADDRESS: 7408 Morrow Ave. NE 87110 PHONE: 883-7973OWNER: Henry Aceves CONTACT: Rick BennettADDRESS 1118 Park Ave. SW PHONE: 242-1859ARCHITECT: Rick Bennett CONTACT: Rick BennettADDRESS: 1118 Park Ave. S.W. PHONE: 2421859SURVEYOR: Elder Co. CONTACT: _____ADDRESS: 530 Jefferson N.E. PHONE: 268-1830

CONTRACTOR: _____ CONTACT: _____

ADDRESS: _____ PHONE: _____

PRE-DESIGN MEETING

☒ YES☐ NO☒ COPY OF CONFERENCE RECAP
SHEET PROVIDED

DRB NO. _____

EPC NO. _____

PROJECT NO. _____

TYPE OF SUBMITTAL:

☐ DRAINAGE REPORT☒ DRAINAGE PLAN☐ CONCEPTUAL GRADING & DRAIN. 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 APPROVALDATE SUBMITTED: October 19, 1989

BY: _____

OTHER _____ (SPECIFY)

Frank D. Lovelady, P.E.

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION/DESIGN HYDROLOGY SECTION

CONFERENCE RECAP

DRAINAGE FILE/ZONE ATLAS PAGE NO.: 1512 DATE: 9/11/89
PLANNING DIVISION NOS: EPC: _____ DRB: _____
SUBJECT: 11111111111111111111
STREET ADDRESS (IF KNOWN): _____
SUBDIVISION NAME: 11111111111111111111

APPROVAL REQUESTED:

<input type="checkbox"/> PRELIMINARY PLAT	<input type="checkbox"/> FINAL PLAT
<input type="checkbox"/> SITE DEVELOPMENT PLAN	<input checked="" type="checkbox"/> BUILDING PERMIT
<input type="checkbox"/> OTHER	<input type="checkbox"/> ROUGH GRADING

WHO	REPRESENTING
ATTENDANCE: <u>Frank L. L. L.</u>	<u>L. L. L. L. L. L.</u>
<u>11111111111111111111</u>	<u>11111111111111111111</u>
_____	_____

FINDINGS:

1. Drainage plan per D.P.M guidelines required prior to Building Permit release.
2. Existing 24" RCP on Rio Grande with existing catch basins
Existing 12" RCP on Romero Street with existing catch basins
3. Site is located within a 500 year flood zone
4. Internal flows must be directed either to Romero or Rio Grande
5. Free discharge to either street.
6. Must address any off-site flows if any.
7. _____

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: <u>11111111111111111111</u>	SIGNED: <u>11111111111111111111</u>
TITLE: <u>11111111111111111111</u>	TITLE: <u>11111111111111111111</u>
DATE: <u>9/14/89</u>	DATE: <u>9/14/89</u>

****NOTE** PLEASE PROVIDE A COPY OF THIS RECAP WITH THE DRAINAGE SUBMITTAL**