HYDROLOGY K17/D29 1 PLAN

K17/D29

1 PLAN

City of Albuquerque
P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

DESIGN HYDROLOGY SECTION
123 Central NW, Albuquerque, NM 87102
(505) 766-7644

August 16, 1984

Ray L. Harrison
517 A Girard NE
Albuquerque, NM 87106

REF: DRAINAGE PLAN FOR I-J PROPERTIES OFFICES (K17-D29) RECEIVED JUNE 26, 1984 (120 ALISO DRIVE NE)

Dear Ray:

The above referenced plan, dated June 26, 1984, is approved.

Please attach a copy of this approved plan along with the appropriately approved "Drainage Facilities Within City Right-of-Way" document to the construction set prior to release of the building permit.

If I can be of further assistance, please contact me at 766-7644.

Sincerely yours,

Billy J. Goolsby

Billy J. Goolsby, PE
Civil Engineer/Hydrology

BJG:mrk

cc: Greg Olson
John Cejka, 1919 Alvarado NE

INFORMATION SHEET

PROJECT TITLE I-J Properties Offices TYPE OF SUBMITTAL Drainage plan

ZONE ATLAS PAGE NO. K 17 D29 CITY ADDRESS 120 Aliso Dr, NE

LEGAL DESCRIPTION Lot 15 A Block 4, Mankato Place

ENGINEERING FIRM Ray Harrison CONTACT same

ADDRESS 1517 A Girard NE 87106 PHONE 265 4276

OWNER John Cejka CONTACT same

ADDRESS 1919 Alvarado NE PHONE 255 4644

ARCHITECT Bill Bucley CONTACT Paul

ADDRESS 3425 Central NE PHONE 255 9196

SURVEYOR same CONTACT

ADDRESS PHONE

CONTRACTOR Not selected CONTACT

ADDRESS PHONE

PRE-DESIGN MEETING:

___ YES
X NO
___ COPY OF CONFERENCE RECAP SHEET PROVIDED

PLEASE CHECK TYPE OF APPROVAL EXPECTED WITH THIS SUBMITTAL:

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

DATE SUBMITTED: 6/26/84

BY: Me

RECEIVED
JUN 26 1984
HYDROLOGY SECTION

RAY L. HARRISON & ASSOCIATES
CONSULTING ENGINEERS

1517-A GIRARD BLVD. NE
ALBUQUERQUE, NEW MEXICO 87106
(505) 265-4276

DRAINAGE PLAN: I-J PROPERTIES OFFICE

LOT 15 A Bk. 4 MANKATO PLACE

PLANNING HISTORY: Replat to one lot completed and filed.

OFFSITE FLOWS: The slope of the land is such that there are no offsite flows on to this lot.

ON SITE CONDITIONS: The lot is presently developed as a paved parking lot, the drainage flows to the southwest corner of the lot and into the street.

Soil Hydro group A 80% paved C = .64 I = 2.3
A = 8540/43560 = 0.2 acres.

Q = .64 X 2.3 X 0.2 = 0.29 CFS Q_{peak} =0.74 CFS

DOWN STREAM CONDITIONS: The lot is adjacent to a flood hazard area. (Silver Ave,)

PROPOSED TREATMENT: The drainage from the lot will be directed into the storm sewer system through a 6" pipe to an existing catch basin. Because the system is adjacent to a flood prone area, a 420 CF pond is provided in case the system backs up.

Developed FLOW RATES: 95% pave C = .85 I = 2.3

Q = .85 X 2.3 X .2 = .39 CFS peak = .97 CFS

A 6" pipe will allow .91 CFS flow rate (short tube formula) K & B

The drainage onto the property will approximately equal the drainage flowing off.

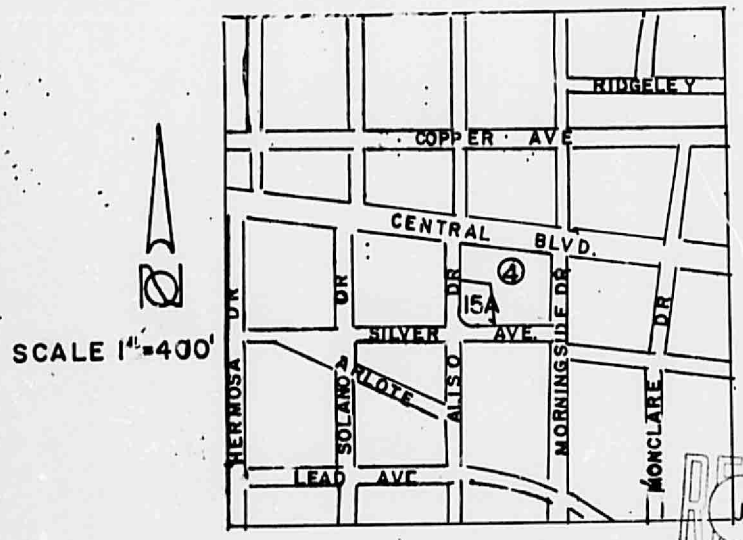
Drainage facilities in City R-O-W submitted to design and attached.

Ray L. Harrison

RECEIVED
JUN 16 1984
HYDROLOGY SECTION

CITY OF ALBUQUERQUE

DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY



SCALE 1" = 400'

LOCATION PLAN
K-17

RECEIVED
JUN 26 1984
HYDROLOGY SECTION

OWNER
JOHN CEJKA
1919 Alvarado NE
87110
Phn 255 4644

ENGR.
RAY HARRISON
1517 A Girard Blvd. NE
87106

REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR NO. 2148 NEW MEXICO RAY L. HARRISON

NOTICE TO CONTRACTOR

1. An excavation/construction permit will be required before beginning any work within City right-of-way. An approved copy of these plans must be submitted at the time of application for this permit.
2. All work detailed on these plans to be performed, except as otherwise stated or provided hereon, shall be constructed in accordance with "Contract Documents for City-Wide Utilities and Cash Paving No. _____"
3. Two working days prior to any excavation, contractor must contact Line Locating Service, 765-1234, for location of existing utilities.
4. Prior to construction, the contractor shall excavate and verify the horizontal and vertical locations of all obstructions. Should a conflict exist, the contractor shall notify the engineer so that the conflict can be resolved with a minimum amount of delay.
5. Backfill compaction shall be according to ARTERIAL street use.

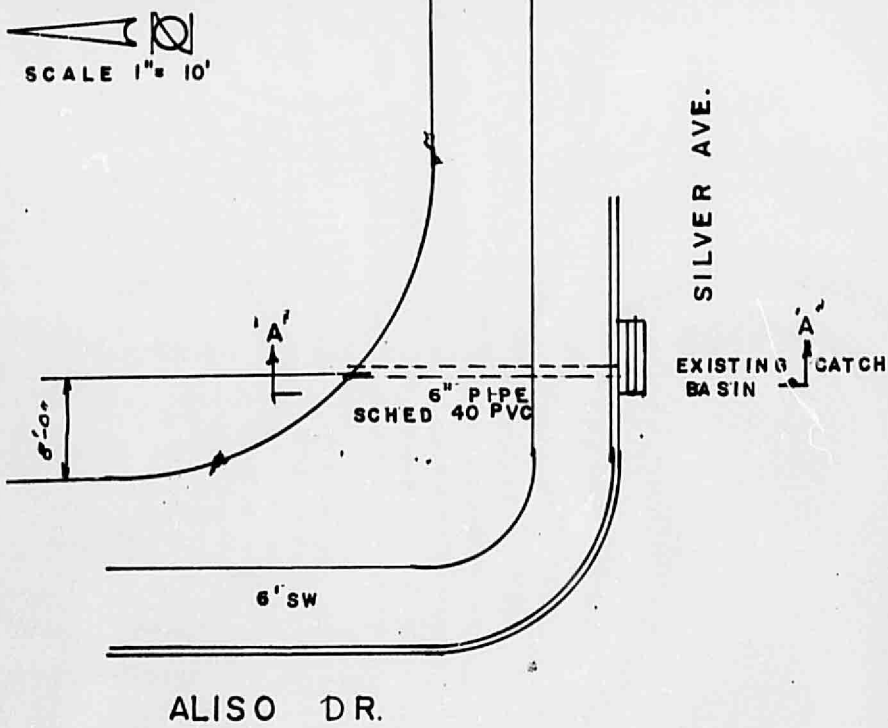
APPROVALS	NAME	DATE
A.C.E./DESIGN		
INSPECTOR		
D		

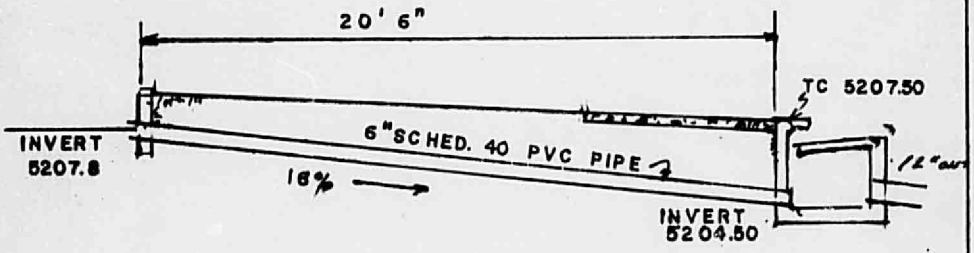
TITLE: DRAIN LINE CONNECTION TO EXIST. CATCH BASIN
LOT 15 A BLOCK 4 MANKATO PLACE
120 ALISO DR. NE

PERMIT NO.
SHEET 1 OF 2
MAP NO. K17

CITY OF ALBUQUERQUE

DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY





SECTION AA
SCALE 1/4" = 1'0"

DWG K17-1

APPROVALS	NAME	DATE
A.C.E./DESIGN		
INSPECTOR		
A.C.E./FIELD		

TITLE: DRAIN LINE CONNECTION TO EXISTING CATCH BASIN LOT 15A BK 4 MANKATO PLACE 120 ALISO DR NE

PERMIT NO.

SHEET 2 OF 2

MAP NO. K-17