HYDROLOGY

C17/D1S

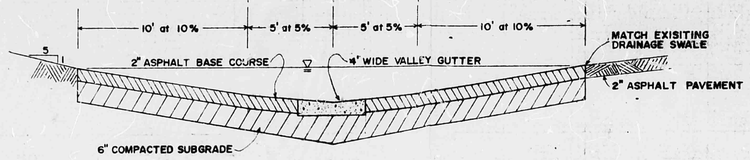
TWO PLANS

2 PLANS FOR

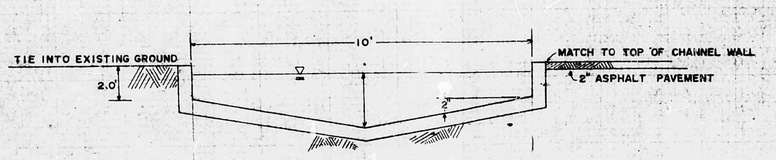
WASHINGTON PLACE
WAREHOUSE

CM-DIS

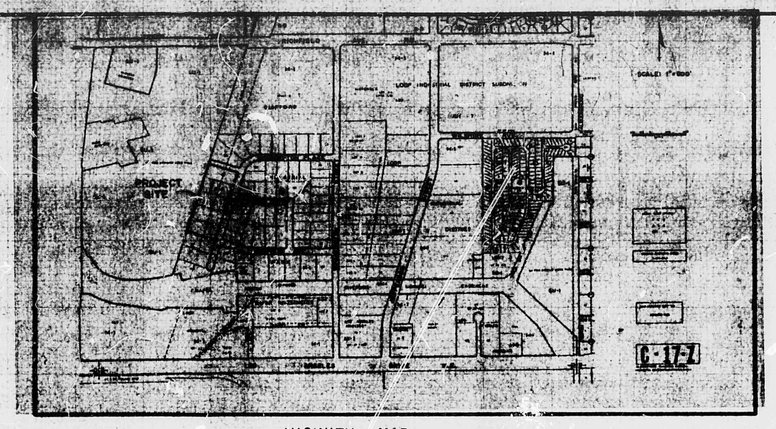
NOTE: DETAILS ARE NOT TO SCALE



SECTION A-A
PARKING LOT DRAINAGE SWALE
(SEE SHEET 2)



SECTION C-C
CITY STANDARD TYPE 'B' DRAINAGEWAY
(SEE SHEET 2)



VICINITY MAP

[illegible]

Area Map: C-17-Z
Current Plat: Lots 50,51,52,53,54 of CLIFFORD INDUSTRIAL PARK. These lots are currently being replatted for development as one tract for the proposed warehouse.

Flood Hazards: 100-year storm waters are confined within the channel boundaries of the Bosque Drain [illegible] Drainage Report, Clifford Industrial Park.

II. LAND USE

Currently the tract is vacant. Frontage is on Washington Place on the east. The tract is surrounded by a drainage channel on the north and a paved drainage alley with curb and gutter on the south. This is scheduled to be replaced with a rectangular channel similar to the one on the south boundary according to the "Southwest-Huston Master Drainage Report (1982). No structures (but the owners of the property have applied for a building permit) lie within the alley in back. The property is bordered on two sides by the large of Northwest.

[illegible]

III. SOIL TYPES (Southwest-Huston Master Drainage Report)

Bernalillo gravelly fine sandy loam (GAB)
Mesa-Bosque soil complex (MeB)

Both are hydrologic group B

IV TOTAL AREA

Total Tract Area	6.583 acres
Area of Proposed Development	6.583 acres
Proposed Building Area	2.233 acres
Proposed Parking Area	3.898 acres
Total Impervious Area	94%

HYDROLOGY

V TIME OF CONCENTRATION

Flow Length	288 feet
Elevation Difference	5.5 feet
Time of Concentration	1.75 minutes use 10 minutes

VI 6-HOUR RAINFALL DEPTH

100-year	2.30 inches
10-year	1.51 inches

VII RUNOFF COEFFICIENTS

Present Conditions
Existing impervious area 0% C= .45

Proposed Conditions
Developed impervious area 94% C= .95

VIII RAINFALL INTENSITIES

100-year	5.84 in/hr.
10-year	3.32 in/hr.

IX RUNOFF RATES

On-site
Existing Conditions Q (100) = 18.76 cfs
Q (10) = 7.65 cfs

Proposed Conditions Q (100) = 29.62 cfs
Q (10) = 19.44 cfs

Off-site ←
Fully Developed Industrial Area Q (100) = 94 cfs
Q (10) = 62 cfs

← Hydrology computations as set forth by the City of Albuquerque Design Process Manual Chapter 22.
←← Off-site values from Schannel-Huston Master Drainage Plan; see Plate 2.

[illegible]

I DRAINAGE CONTROL

The on-site runoff joins the runoff from Basin A and B as defined in the Schannel-Huston Master Drainage Report in the drainage swale "A" along the west side of the property. Swale "A" conveys the runoff to the downstream point into the new drainage channel now under construction by the City of Albuquerque. Prior to the construction of the warehouse, grading operations will [illegible] such a manner as to conform to the [illegible] Schannel-Huston Report. Swale "A" is presently being constructed by the developer of the adjacent Clifford Park. We anticipate its completion prior to [illegible] construction of this project.

XI EROSION CONTROL

The grading plan for this project sufficiently alleviates any erosion from the site since most of the [illegible] a part of the warehouse or paved. The landscaped area will be graded to direct flow away from the warehouse to the street or paved area and sufficiently graded to prevent any soil disturbance.

APPROVED FOR DRAINAGE
10-16-85
DATE
Roger L Green PE Hydrology
SIGNATURE TITLE
ADVISE DRAINAGE INSPECTOR WHEN GRADING EXECUTED

RECEIVED
OCT 14 1985
HYDROLOGY SECTION

C17/D15

SHEET NOT APPROVED AS CORRECT UNLESS SEALED WITH AN IMPRESSION TYPE SEAL.

BAR IS 1" ON ORIGINAL DRAWING

DESIGNED BY	RPR	8/85
DRAWN BY	RCN	8/85
CHECKED BY	AKK	8/85
PROJECT NUMBER	85-051	
FIELD BOOK NUMBER		

REVISIONS

APPROVED BY
REGISTRATION NUMBER 6972
DATE AUGUST 06,1985

PRECISION ENGINEERING, INC.
CIVIL AND GEOTECHNICAL ENGINEERS

CLIENT: DESIGN COLLABORATIVE SOUTHWEST

PROJECT: WASHINGTON PLACE WAREHOUSE

SHEET TITLE: DRAINAGE PLAN

SHEET 1 OF 2

CITY OF ALBUQUERQUE
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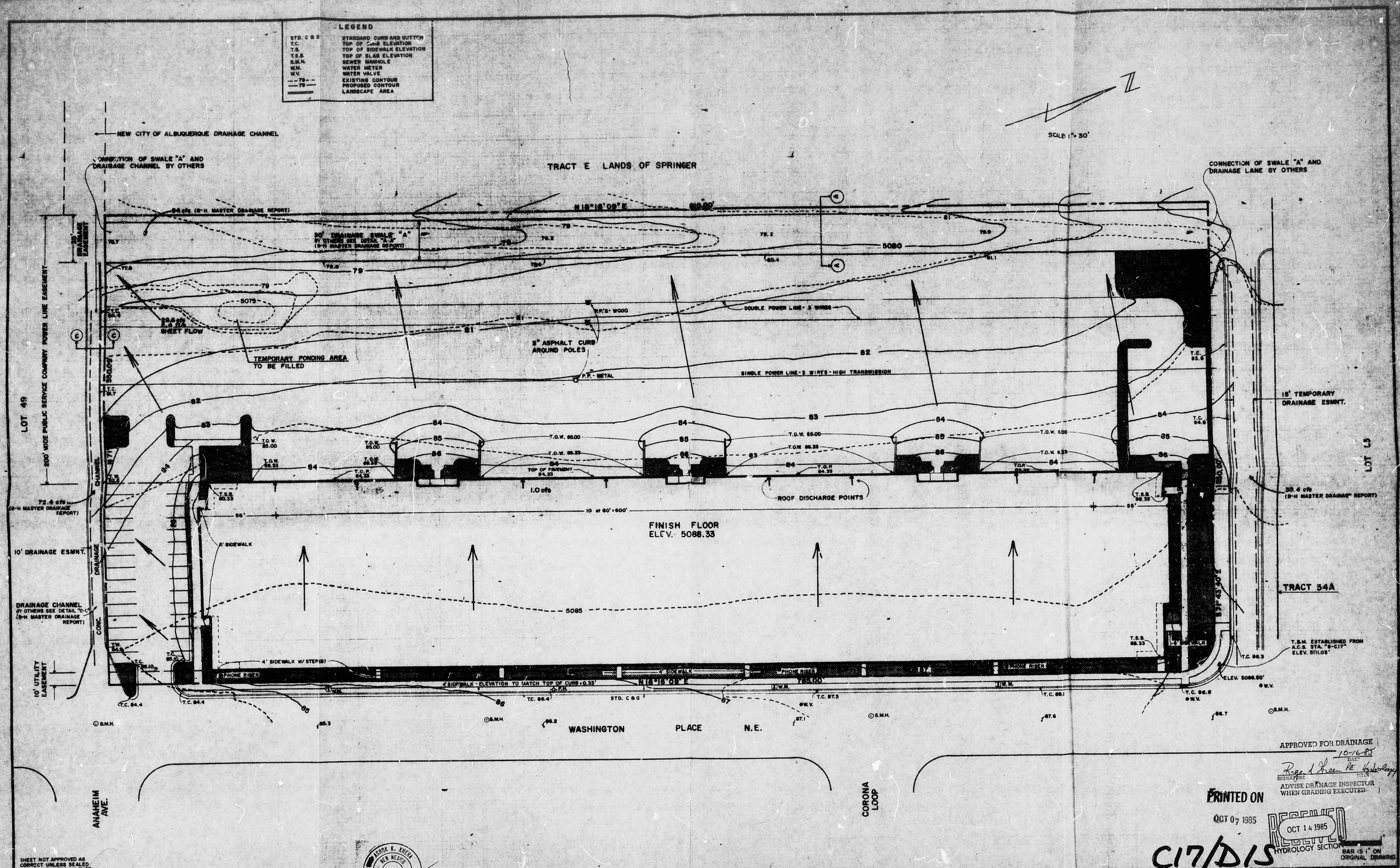

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REVISIONS		
CONTOURS	RCN	10/85
BOOK ADDITIONS	RCN	10/85

APPROVED BY

REGISTRATION NUMBER 6972

DATE AUGUST 08, 1985

PRECISION ENGINEERING, INC.

CIVIL AND GEOTECHNICAL ENGINEERS

CLIENT
DESIGN COLLABORATIVE SOUTHWEST

PROJECT
WASHINGTON PLACE WAREHOUSE

SHEET TITLE
DRAINAGE PLAN

SHEET 2 OF 2

CITY OF ALBUQUERQUE
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