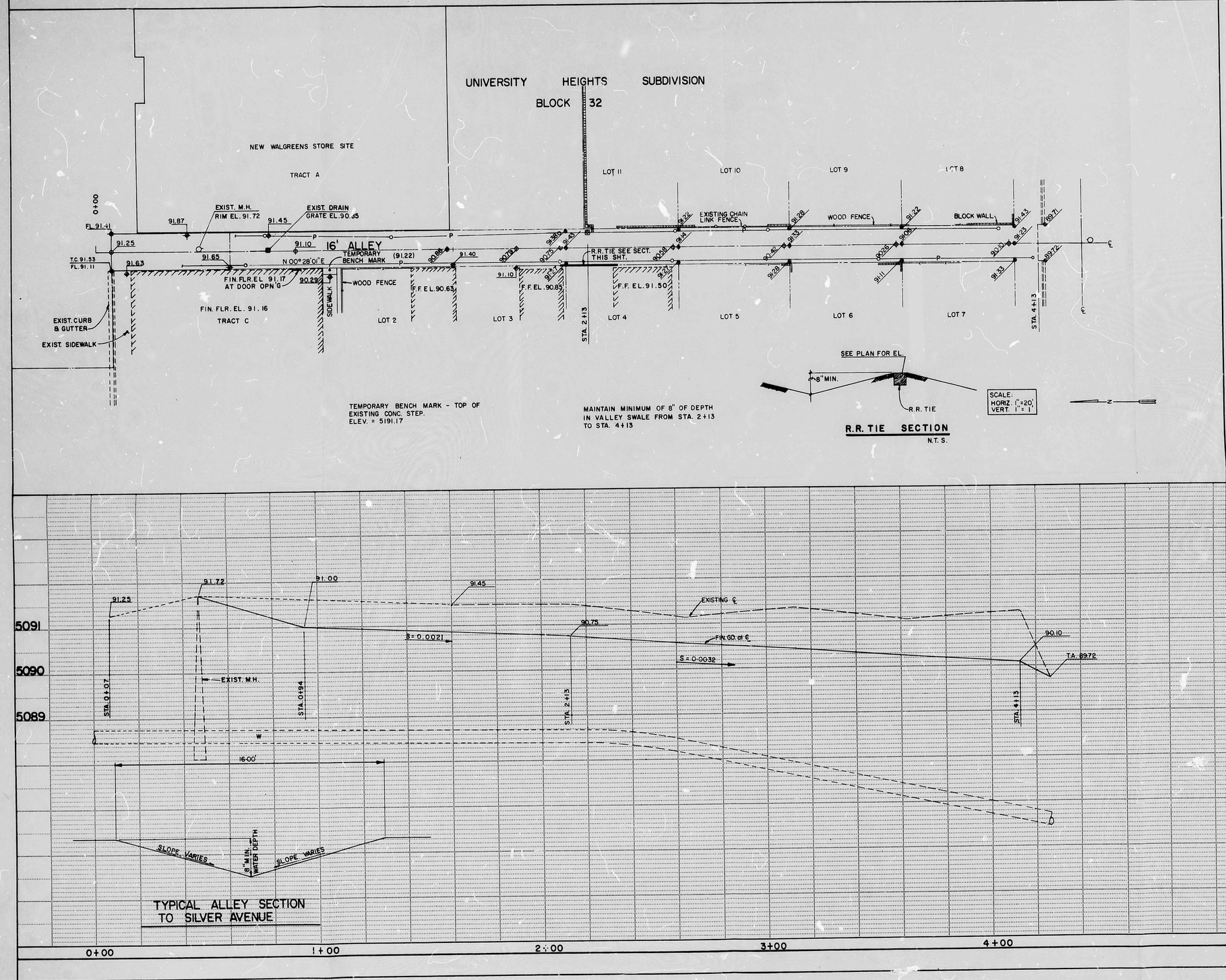
HYDROLOGY K16/D9 WALGREEN'S RADIO SHACK

K16-D9

WALGREENS

RADIO SHACK

2 PLANS



LEGEND

- EXIST. SPOT GRADES
- FINISHED SPOT GRADES
- EXIST. GRADE
- FINISHED GRADE
- EXIST. BLOCK WALL
- EXIST. PROPERTY LINE
- EXIST. POWER LINE
- EXIST. BLDG.

Received 3/19/84

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY V.J.C. DATE 9-7-83
DRAWN BY J.G. DATE 9-8-83
CHECKED BY V.J.C. DATE 11-8-83

ENGINEER'S SEAL

VICTOR J. CHAVEZ
STATE OF NEW MEXICO
NEW MEXICO REGISTERED PROFESSIONAL ENGINEER
7895

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY
INSPECTOR'S FIELD CHANGE BY
DATE
VERIFICATION BY
DATE
CORRECTED BY
DATE

MICRO-FILM INFORMATION

RECORDED BY
DATE
NO.

BENCH MARKS

BENCH MARK - CITY OF ALBUQUERQUE 5-K-16
ELEVATION 5192.14.

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

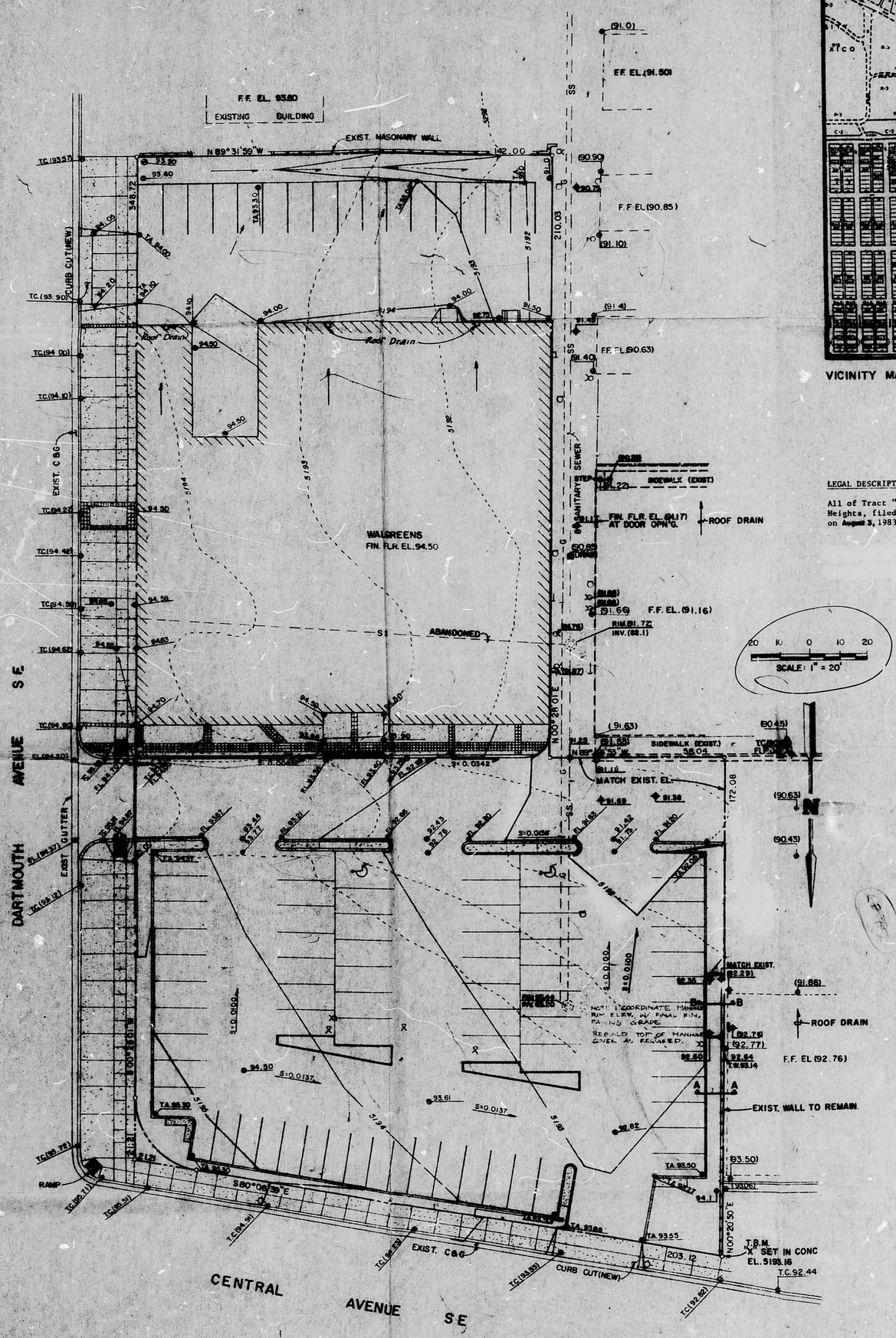
TITLE: PROPOSED ALLEY GRADES
ALLEYWAY NORTH OF SILVER BETWEEN
DARTMOUTH AVE. AND GIRARD BLVD.

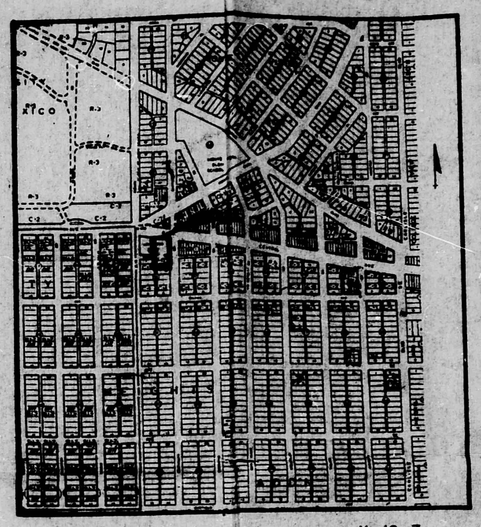
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E.- Design			Traffic		
A.C.E.-Hydrology			Water		

DRAWING NO.

MAP NO. K-16

SHEET 1 OF 1





VICINITY MAP K-16-Z

LEGAL DESCRIPTION

All of Tract "A" of Block 32 as shown on the Replat of a portion of University Heights, filed in the office of the County Clerk of Bernalillo County, New Mexico on August 3, 1983.

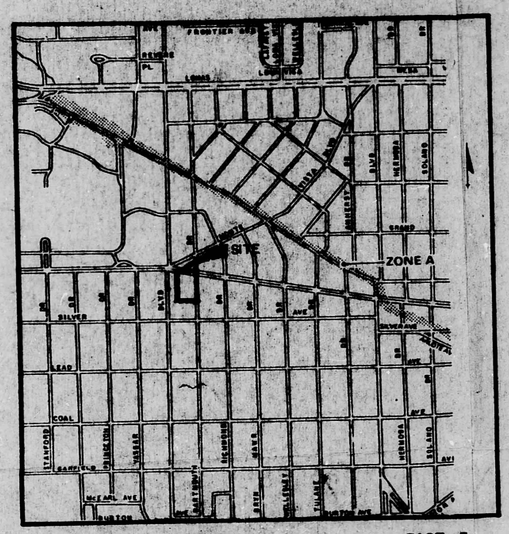
LEGEND

- CURB & GUTTER (EXIST.)
- CURB (NEW)
- SIDEWALK (NEW)
- MASONARY WALL (EXIST.)
- BUILDING (NEW)
- PROPERTY LINE
- POWER POLE (EXIST.)
- LIGHT POLE (EXIST.)
- WATER VALVE (EXIST.)
- WATER METER (EXIST.)
- GAS METER (EXIST.)
- G — GAS LINE (EXIST.)
- SS — SANITARY SEWER (EXIST.)
- SANITARY SEWER (EXIST.)
- 5298 — CONTOUR (EXIST.)
- 5298 — COUTOUR (NEW)
- (94.60) SPOT ELEV (EXIST.)
- 95.00 SPOT ELEV. (NEW)

SITE DRAINAGE PLAN

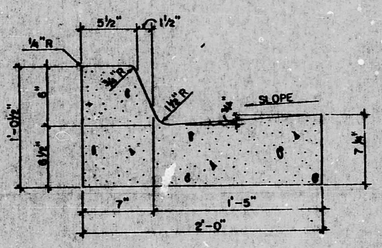
K16-D9

K-16-Z



FLOOD HAZARD BOUNDARY MAP

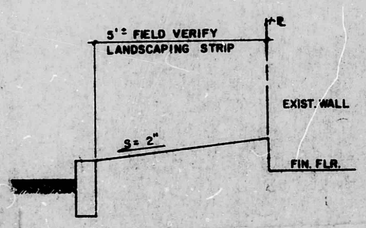
PAGE 5



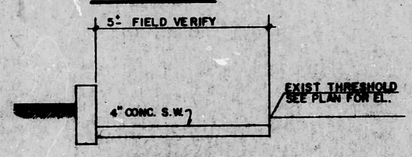
TYPICAL CURB DETAIL

NOT TO SCALE

m on the Replat of a portion of University
County Clerk of Bernalillo County, New Mexico



SECTION A-A



SECTION B-B

UTTER (EXIST.)
)
NEW)
WALL (EXIST.)
EW)
LINE
LE (EXIST)
E (EXIST)
E (EXIST)
ER (EXIST)
(EXIST)
XIST)
WER (EXIST)
WER (EXIST.)
XIST.)
W)
EXIST.)
(NEW)

The proposed development is located southwest of the intersection of Dartmouth Avenue and Central Avenue S.E. and contains approximately 1.4 acres. The site is not located in or near a 100-year Flood Hazard Area.

Existing conditions include a fully developed site with several shops and an undedicated street, Dailey Place. Flows from the site are to the south and west. Flows from the northernmost section of the site flow to Dailey Place and are then transported to the west. The southern portion of the site drains to the west to a existing alley way and then to developed properties located west of the alley.

Upstream flows are transmitted from Dartmouth Ave. to the west by way of the developed Dailey Place right-of-way. Areas draining to Dailey Place include only a small portion of the paved street surface and the parking lot located immediately to the east. All other upstream flows are diverted from the site by existing grades or man-made obstructions.

Development of the site will include shopping areas, a parking lot, and associated landscaping. Flows from the northern portion of the proposed development will continue to be directed to Dailey Place. The southern portion, including the roof runoff, will be directed to shallow ponds located along the southern edge of the property. Temporary ponding will minimize pollutant runoff and provide some peak shaving. Large ponding volumes are not required.

The grading plan shows; existing and finished grades indicated by contours at 1'-0" intervals and selected spot elevations. It also shows continuity between proposed and existing elevations.

If developed as shown, the development will not be susceptable to flooding nor will it increase the threat of flooding to downstream areas.

EXISTING CONDITIONS:

Area = 1.4 Acres

$C = 0.95$

$t_c < 10$ min $\therefore$ use 10 min

$i = 189/25+10 = 5.4$

$Q_{(exist.)} = 0.95(5.4)(1.4) = 7.2$

$Vol._{(exist.)} = 0.95(2.2/12)(1.4)(43560) = 10{,}621$ ft.^{3}

DEVELOPED CONDITIONS:

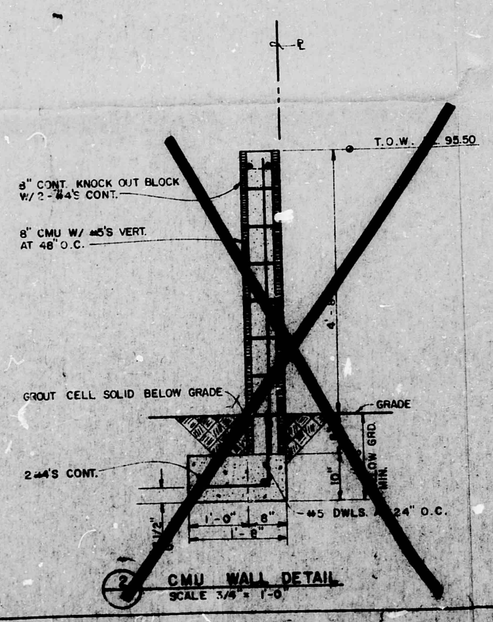
$C = 0.90$

$Q_{(Dev.)} = 0.90(5.4)(1.4) = 6.8$

$Vol._{(Dev.)} + 0.90(2.2/12)(1.4)(43560) = 10{,}062$ ft.^{3}

Δ Vol. = 10,062 - 10,621 = 558

Therefore, ponding not required.



CMU WALL DETAIL
SCALE 3/4" = 1'-0"

REVISED: 1/20/84

HYDROLOGY SECTION
FEB 23 1984

job title WALGREENS, RADIO SHACK, WILD ROSE, SILVER SONBEAM	
	job no. 3992 / date 4/25/83
sheet title SITE DRAINAGE PLAN	by G.K.

de la tanne · nonhart pa
architects
o. brandon school road nc · suite 141
albuquerque, n.m. 87110 · 505 881 0663

sheet 2
C2
of 2