

920225

PROJECT TITLE: K-MART Ab. 4400 ZONE ATLAS/DRNG. FILE #: K12/D15
 DRB #: 92-0146 EPC #: _____ WORK ORDER #: _____
 LEGAL DESCRIPTION: Tr. A. Lands of Coogan & Walters
 CITY ADDRESS: 4208 Central SW
 ENGINEERING FIRM: Jeff Mortensen & Assoc. CONTACT: Michele F. DeLilla
 ADDRESS: 6010-B Midway Park Blvd NE PHONE: (505) 345-4250
 OWNER: K-Mart Corporation CONTACT: _____
 ADDRESS: 3100 West Big Beaver Troy, Michigan PHONE: _____
48084-3163
 ARCHITECT: ARCORP CONTACT: Tony King
 ADDRESS: 744 Office Parkway St. Louis MO. PHONE: (314) 993-3100
1-800-487-2233
 SURVEYOR: Jeff Mortensen & Assoc. CONTACT: Chuck Cala
 ADDRESS: 6010-B Midway Park Blvd. PHONE: 345-4250
 CONTRACTOR: N/A CONTACT: _____
 ADDRESS: _____ PHONE: _____

TYPE OF SUBMITTAL:

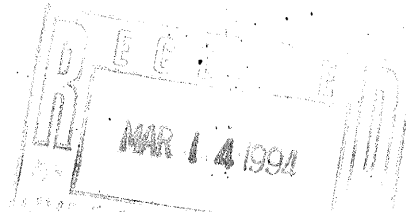
- ☐ DRAINAGE REPORT
☒ DRAINAGE PLAN
☐ CONCEPTUAL GRADING & DRAINAGE PLAN
☒ GRADING PLAN
☐ EROSION CONTROL PLAN
☐ ENGINEER'S CERTIFICATION
☐ OTHER

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: 3/11/94BY: Michele (Mike) F. DeLilla



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

March 17, 1994

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

RE: DRAINAGE PLAN FOR AN ADDITION TO K-MART STORE #4400 (K12-D15)
ENGINEER'S STAMP DATED 3/11/94.

Dear Mr. Mortensen:

Based on the information provided on your March 14, 1994 submittal, the above referenced site is approved.

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 768-2667.

Sincerely,

Bernie J. Montoya, CE
Engineering Associate

BJM/d1/WPHYD/8388

c: Andrew Garcia
File



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

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

March 12, 1986

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

RE: DRAINAGE PLAN FOR ADDITION TO K-MART
(K-12/D15) RECEIVED MARCH 4, 1986

Dear Mr. Lovelady:

The referenced plan, dated January 31, 1986, is approved for Building Permit and Site Development Plan approval.

Please be advised that the building permit will not be released until an approved copy of the Site Development Plan is submitted for our files.

If you have any questions regarding this project, call me at 766-7644.

Cordially,

Carlos A. Montoya, P.E.
City/County Floodplain Administrator

BJM:CAM/bsj

MUNICIPAL DEVELOPMENT DEPARTMENT



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

May 19, 1992

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

RE: CONCEPTUAL DRAINAGE PLAN FOR K-MART NO. 4400 (K-12/D15)
ENGINEER'S STAMP DATED APRIL 24, 1992

Dear Mr. Mortensen:

Based on the information provided on your submittal of April 24, 1992, the above referenced plan is approved for Site Development Plan for Building Permit.

Be advised that prior to building permit release, the following concerns must be addressed:

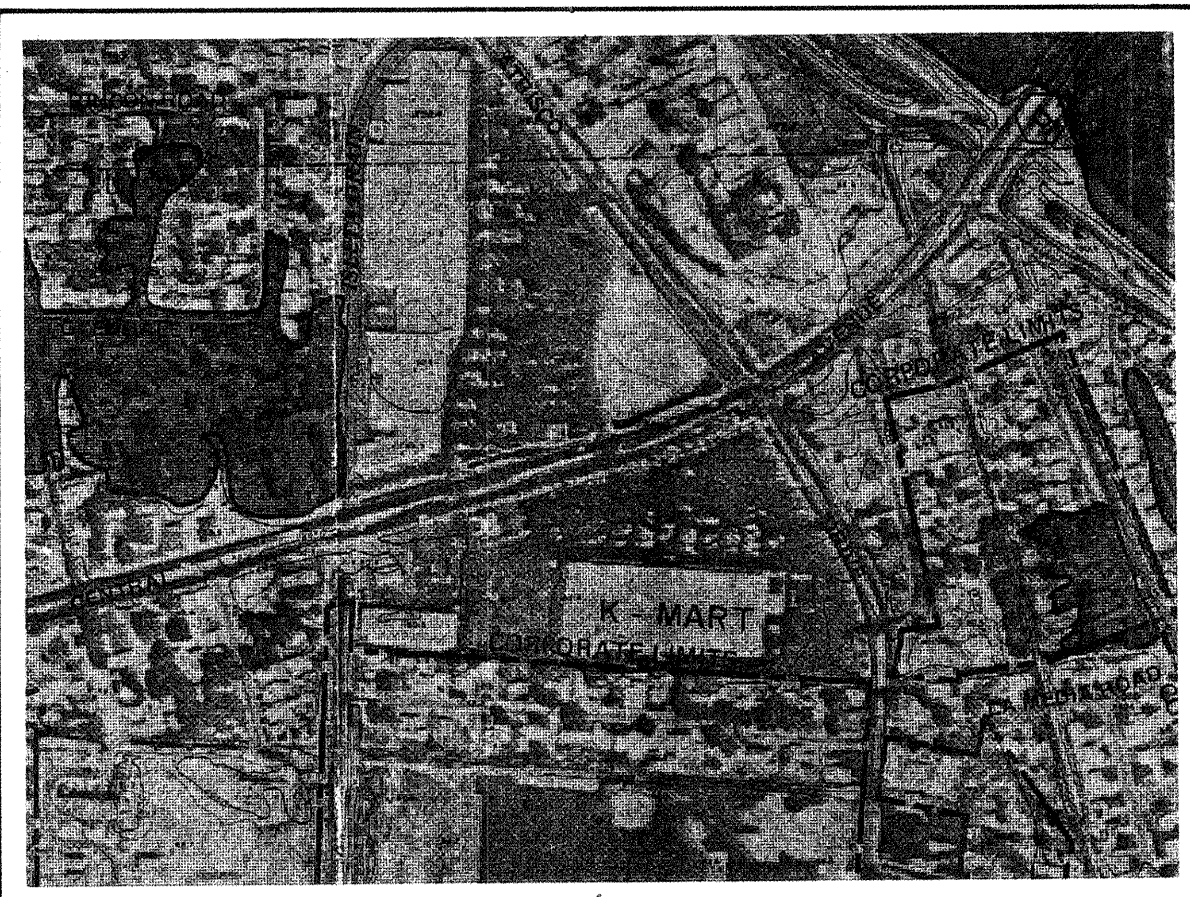
1. Direction and location of proposed roof drains.
2. Detail of the proposed trickle channel.

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

Cordially,

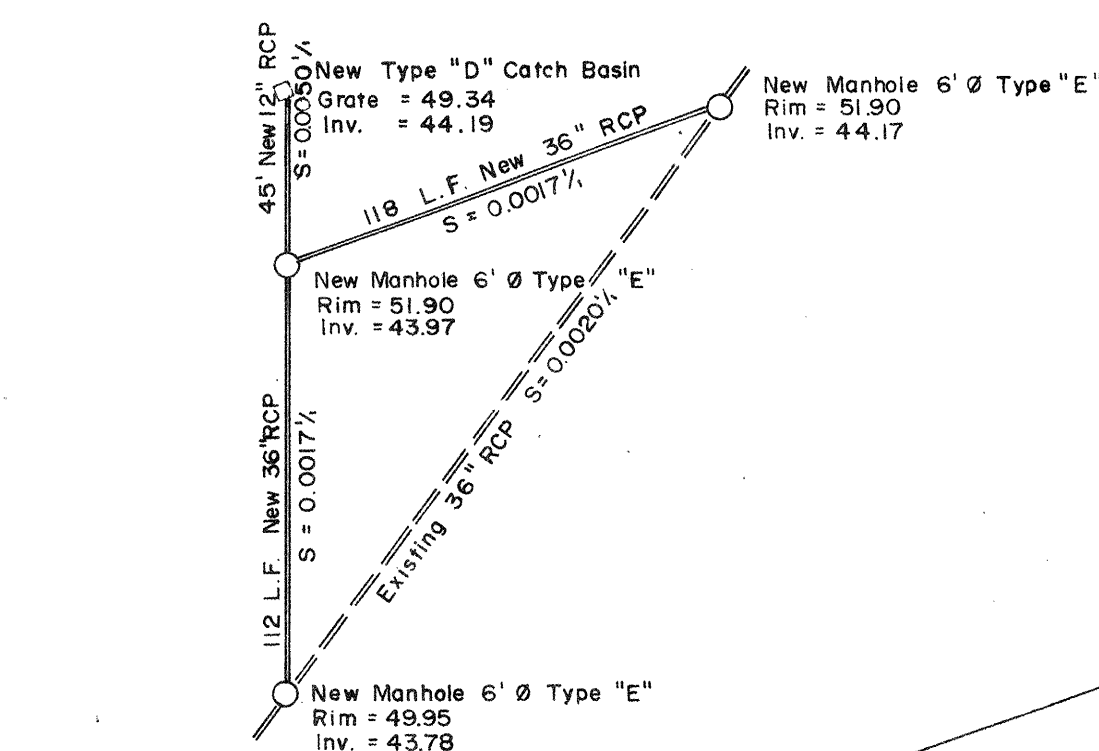
Bernie J. Montoya, C.E.
Engineering Assistant

BJM/bsj
(WP+3354)



FLOODWAY MAP

PANEL 28 OF 50



STORM SEWER RELOCATION DIAGRAM

1" = 50'

DRAINAGE COMMENTS

1. THE SITE IS NOT LOCATED WITHIN A FLOOD HAZARD ZONE AS SHOWN ON THE FLOODWAY MAP AT LEFT.
2. THE EXISTING K-MART SITE IS PRESENTLY TOTALLY COVERED WITH BUILDINGS AND ASPHALT PAVEMENT. THE PROPOSED DEVELOPMENT WILL ADD LANDSCAPING WHICH WILL REDUCE THE PERCENTAGE OF IMPERVIOUSNESS.
3. THE PRESENT SITE IS COMPLETELY DRAINED BY AN UNDERGROUND STORM SEWER SYSTEM WHICH DISCHARGES INTO THE ISLETA DRAIN. THE STORM SEWER WILL HAVE TO BE RELOCATED AROUND THE PROPOSED NEW BUILDING.
4. THE SITE OF THE NEW BUILDING IS PRESENTLY COVERED WITH ASPHALT PAVEMENT. THEREFORE, NO INCREASE IN RUNOFF WILL OCCUR AFTER THE NEW BUILDING IS CONSTRUCTED.

CONFERENCE RECAP

1. SUBMIT A DRAINAGE PLAN THAT WILL SUFFICE FOR BUILDING PERMIT.
2. THE AREA IS CURRENTLY AN EXISTING SHOPPING CENTER.
3. THE PROPOSED MODIFICATIONS DO NOT APPEAR TO HAVE ANY SIGNIFICANT IMPACT ON THE EXISTING DRAINAGE SCHEME.
4. MINIMUM REQUIREMENT WILL BE AN APPROVED CONCEPTUAL PLAN FOR E.P.C. SITE DEVELOPMENT APPROVAL.

DRAINAGE CALCULATIONS

Assume $T_c < 10$ minutes $I = 2.2 \times 2.3 = 5.06$ in/hr
Area = 11.3 Acres

Existing Conditions:

Total area is impervious. Assume $C = 0.97$

$$Q_{100} = 0.97 \times 5.06 \times 11.3 = 55.5 \text{ cfs}$$

$$Q_{10} = 0.657 \times 55.5 = 36.5 \text{ cfs}$$

$$V_{100} = 0.97 \times (2.2/12) \times 11.3 \times 43560 = 87535 \text{ cf}$$

$$V_{10} = 0.657 \times 87535 = 57510 \text{ cf}$$

Developed Conditions:

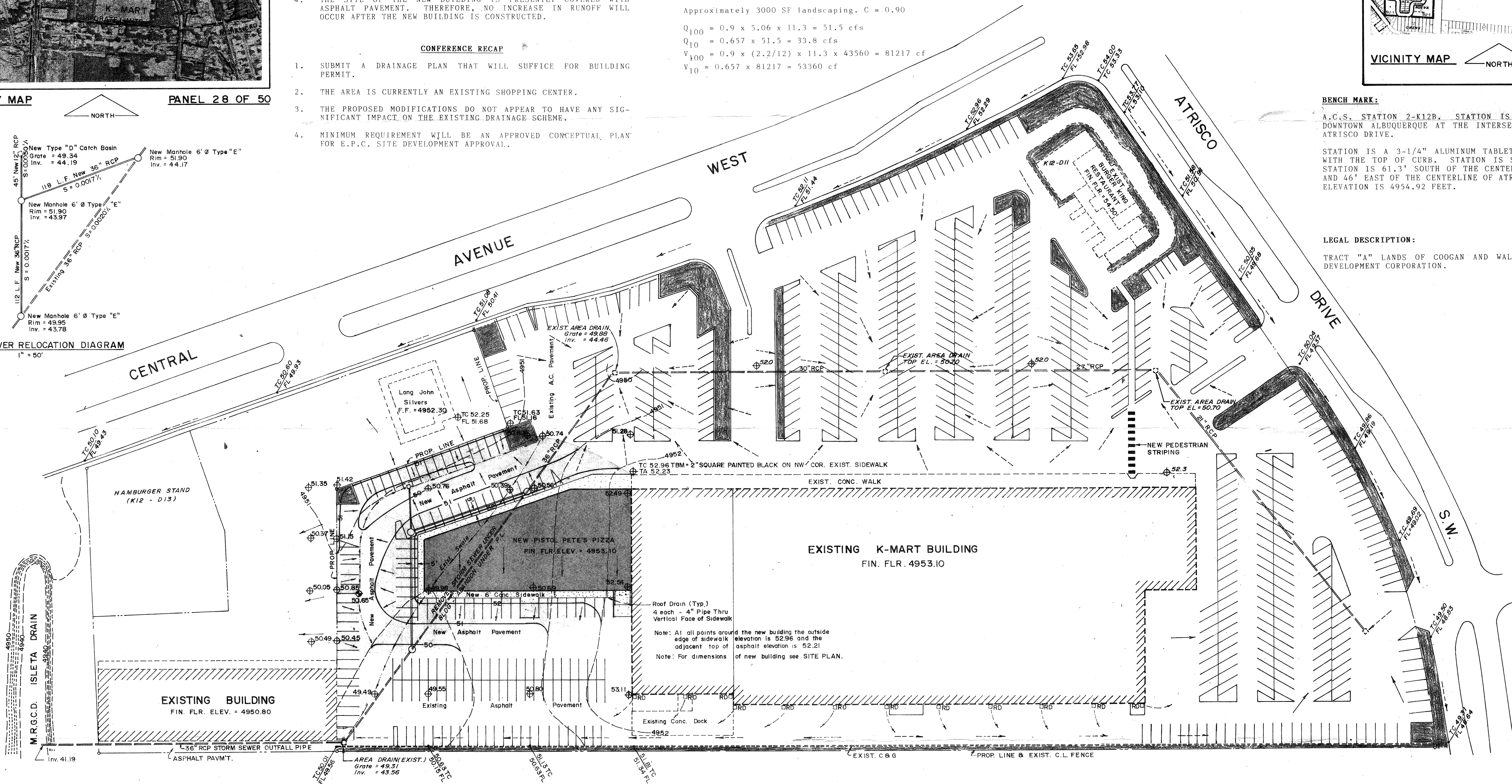
Approximately 3000 SF landscaping. $C = 0.90$

$$Q_{100} = 0.9 \times 5.06 \times 11.3 = 51.5 \text{ cfs}$$

$$Q_{10} = 0.657 \times 51.5 = 33.8 \text{ cfs}$$

$$V_{100} = 0.9 \times (2.2/12) \times 11.3 \times 43560 = 81217 \text{ cf}$$

$$V_{10} = 0.657 \times 81217 = 53360 \text{ cf}$$



GRADING AND DRAINAGE PLAN

CONSTRUCTION NOTES:

1. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE AT 765-1234 FOR LOCATION OF EXISTING UTILITIES.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
3. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
4. ALL CONSTRUCTION WITHIN CITY RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.

LEGEND

DESCRIPTION

SPOT ELEVATION
STORM SEWER LINE
AREA DRAIN
FLOW DIRECTION
TOP OF CURB
FLOW LINE
ROOF DRAINS
CONTOUR LINES

EXISTING

SPOT ELEVATION

STORM SEWER LINE

AREA DRAIN

FLOW DIRECTION

TOP OF CURB

FLOW LINE

ROOF DRAINS

CONTOUR LINES

NEW

SPOT ELEVATION

STORM SEWER LINE

AREA DRAIN

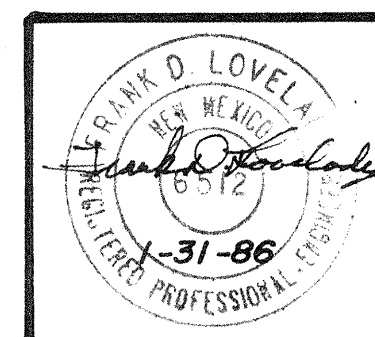
FLOW DIRECTION

TOP OF CURB

FLOW LINE

ROOF DRAINS

CONTOUR LINES



ADDITION TO K-MART CENTER
(INCLUDING PARKING LOT UPGRADING AND LANDSCAPING)
CENTRAL AVENUE & ATRISCO DRIVE, S.W.
ALBUQUERQUE, NEW MEXICO

BENCH MARK:

A.C.S. STATION 2-K12B, STATION IS LOCATED 1.8 MILES WEST OF DOWNTOWN ALBUQUERQUE AT THE INTERSECTION OF CENTRAL AVENUE AND ATRISCO DRIVE.

STATION IS A 3-1/4" ALUMINUM TABLET SET IN A DRILL HOLE FLUSH WITH THE TOP OF CURB. STATION IS STAMPED "ACS, 2-K12B, 1983". STATION IS 61.3' SOUTH OF THE CENTERLINE OF CENTRAL AVENUE WEST AND 46' EAST OF THE CENTERLINE OF ATRISCO DRIVE, SW. THE STATION ELEVATION IS 4954.92 FEET.

LEGAL DESCRIPTION:

TRACT "A" LANDS OF COOGAN AND WALTERS AND SOUTHWESTERN LAND DEVELOPMENT CORPORATION.

