



Martin J. Chávez, Mayor

Dan Aguirre
Wilson & Company
4775 Indian School Road NE
Suite 200
Albuquerque, NM 87110

**RE: JACKSON MIDDLE SCHOOL (J21-D29). GRADING AND DRAINAGE PLAN FOR
GRADING PERMIT APPROVAL. ENGINEER'S STAMP DATED OCTOBER 24,
1996.**

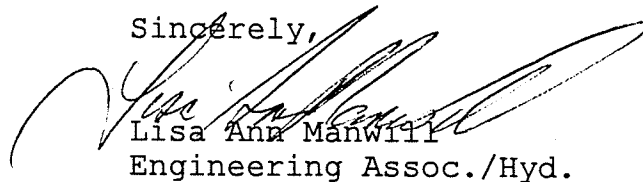
Dear Mr. Aguirre:

Based on the information provided on your October 28, 1996 submittal,
the above referenced project is approved for Paving Permit.

Please submit, to the Hydrology Division, an Engineer's Certification
upon project completion

If I can be of further assistance, please feel free to contact me at
768-3622.

Sincerely,

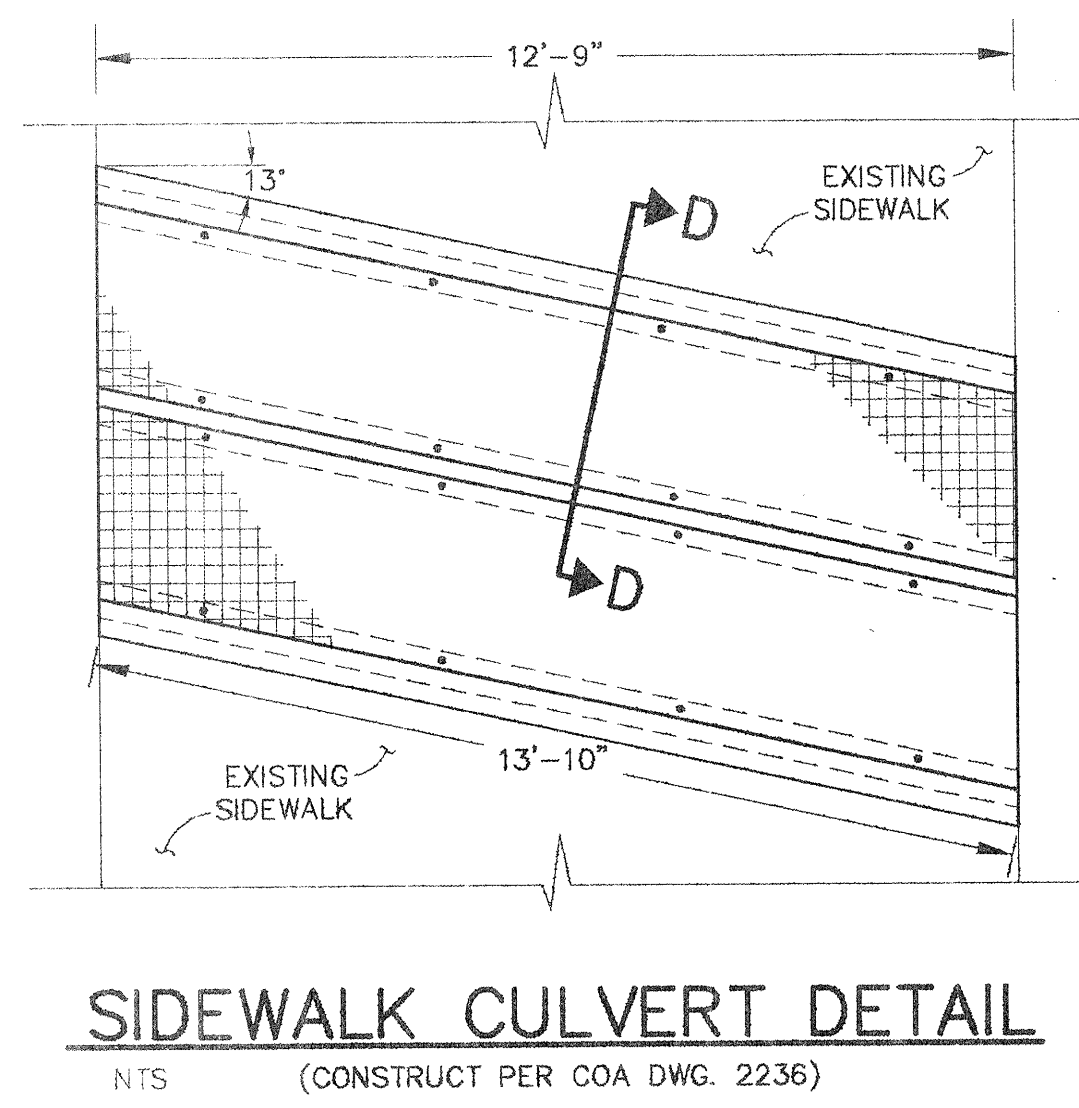
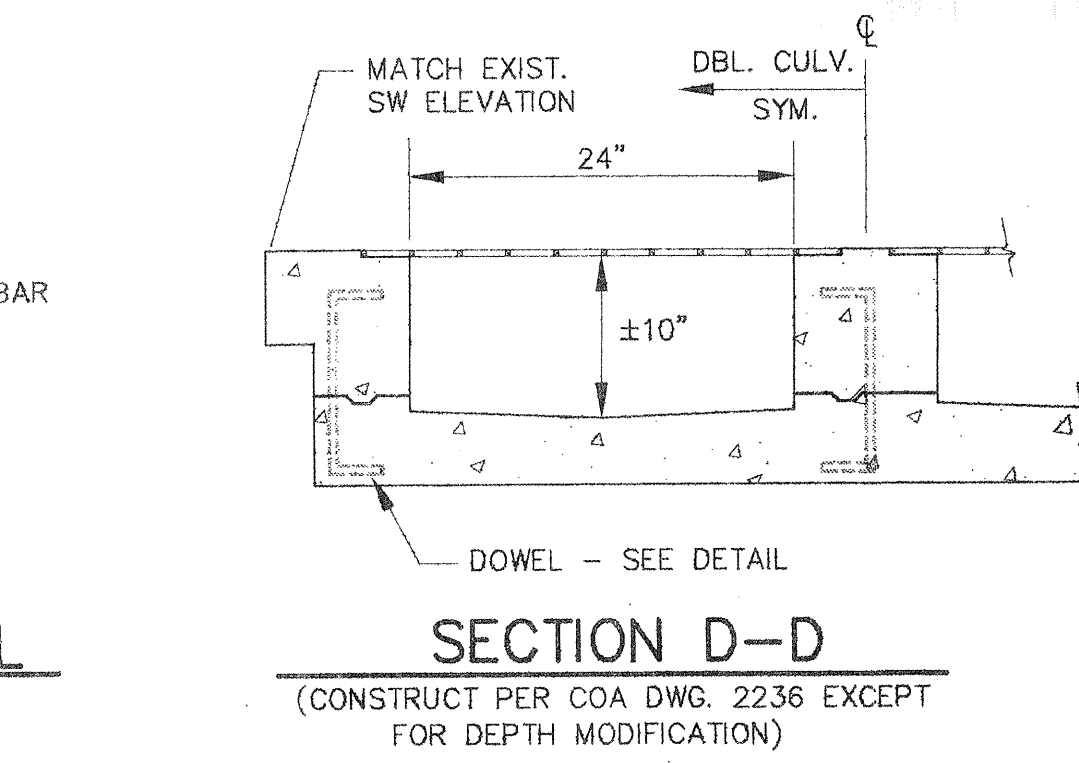
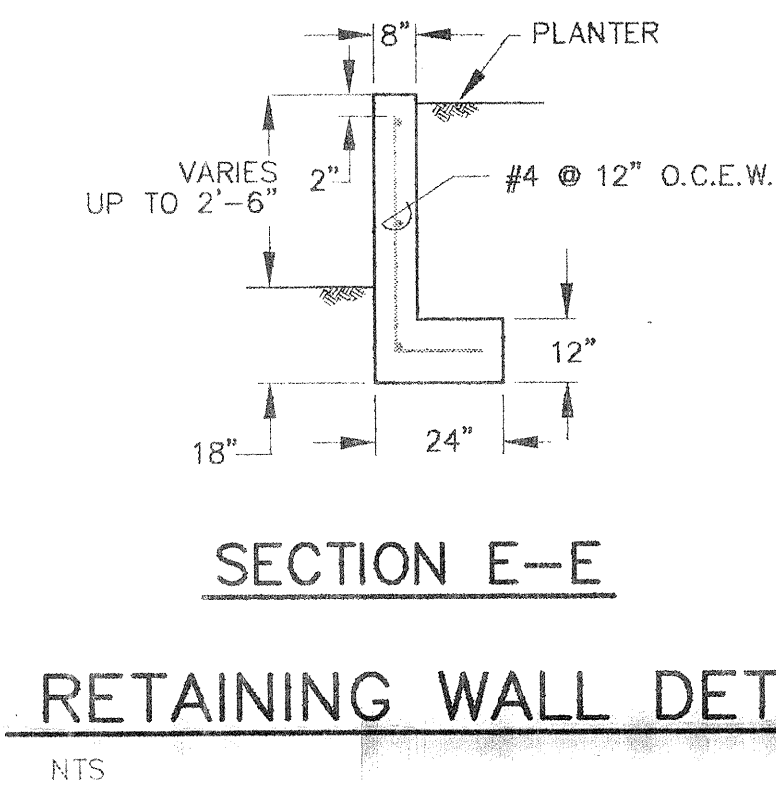
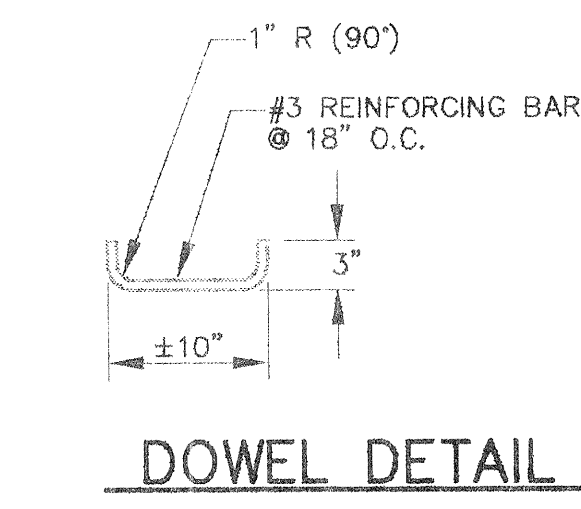
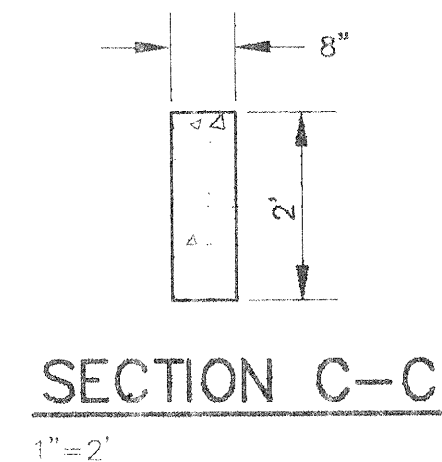
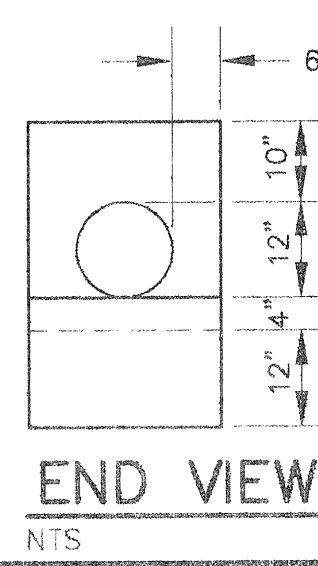
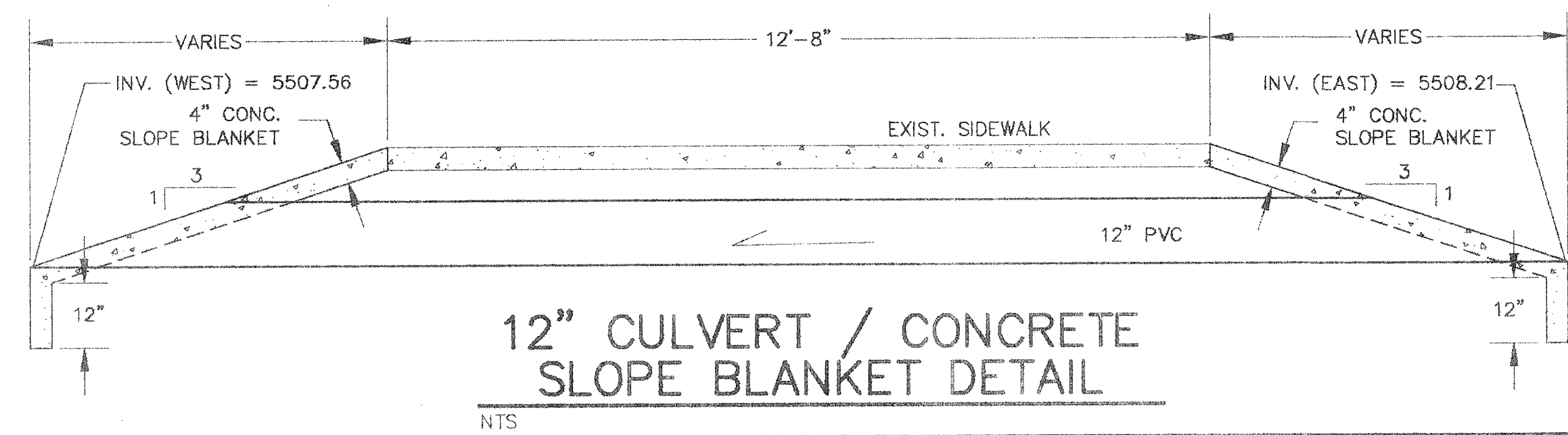
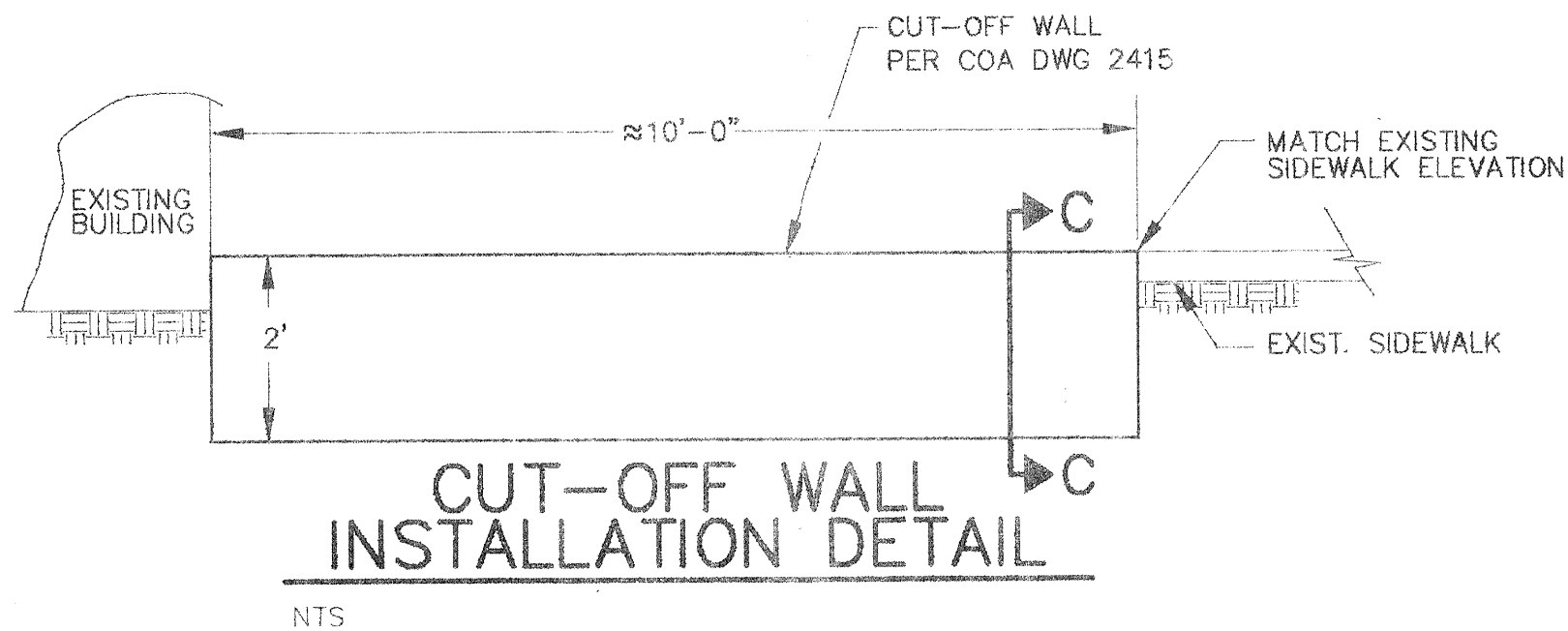
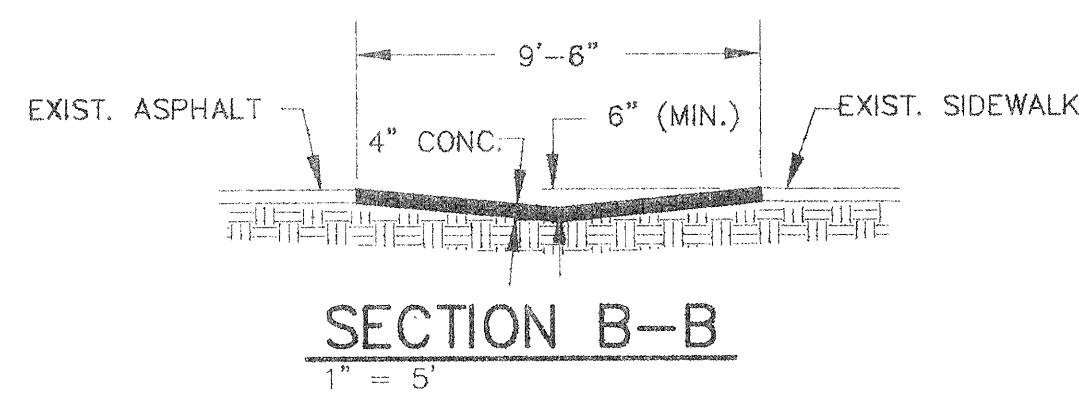
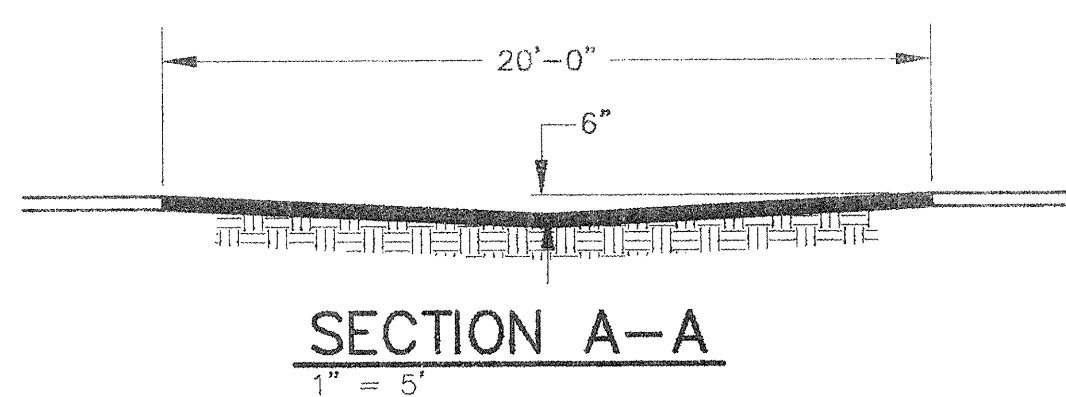
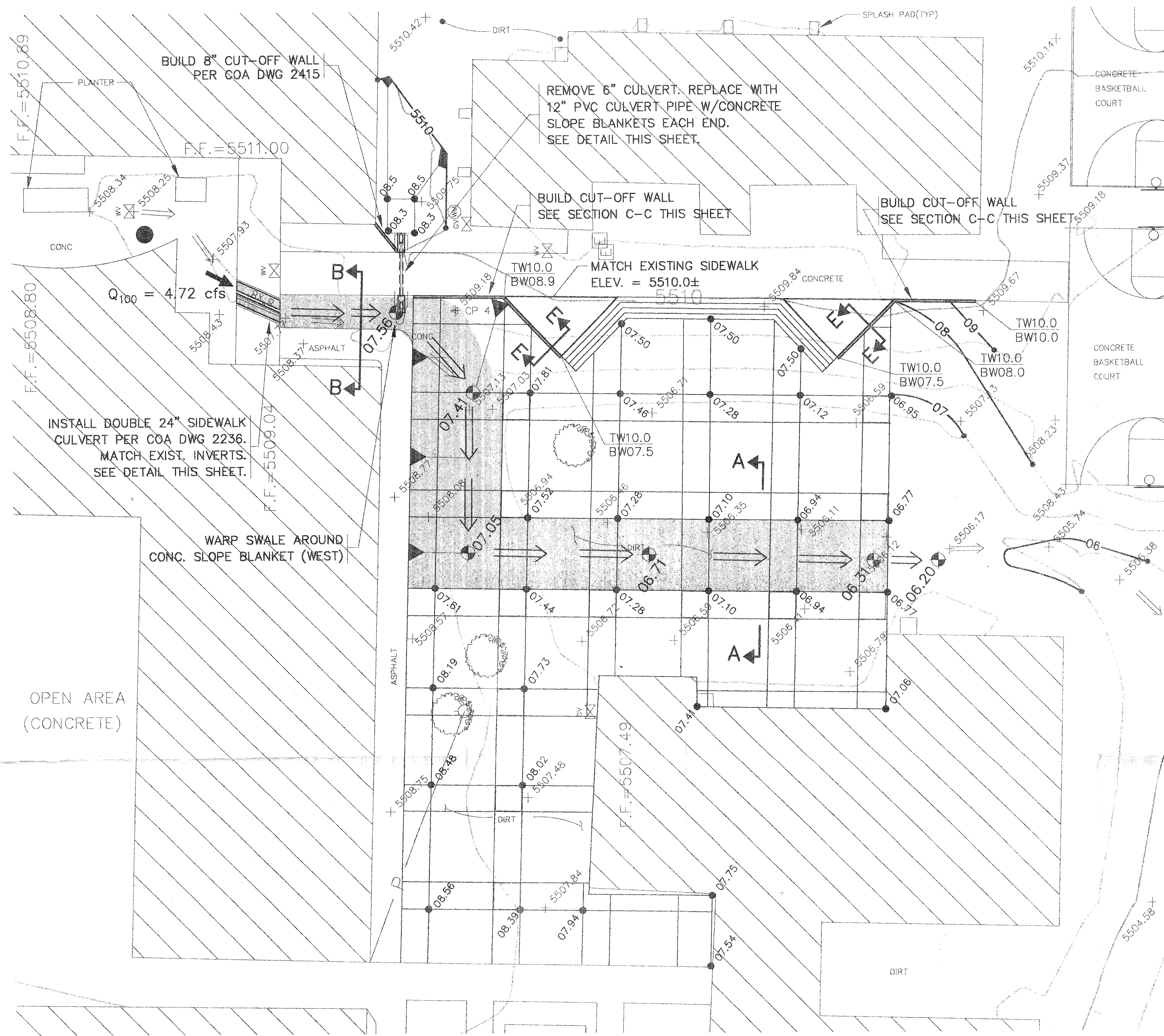


Lisa Ann Manwill
Engineering Assoc./Hyd.

c: Andrew Garcia
File

Good for You, Albuquerque!





DRAINAGE REPORT

Site Location: Jackson Middle School is located on Indian School Road, N.E., east of Eubank. The proposed development includes construction of a concrete courtyard and a stepped amphitheatre.

Methodology: Section 22.2 of the City of Albuquerque DPM was followed to calculate the design volume. The charts and formulas in Part A were followed using the 100 year frequency 24-hour rainfall volume as the design storm. The site is located in Zone 4 as determined from Table A-1. The total storm volume was calculated as per section A.5. Peak discharge was calculated as per section A.6.

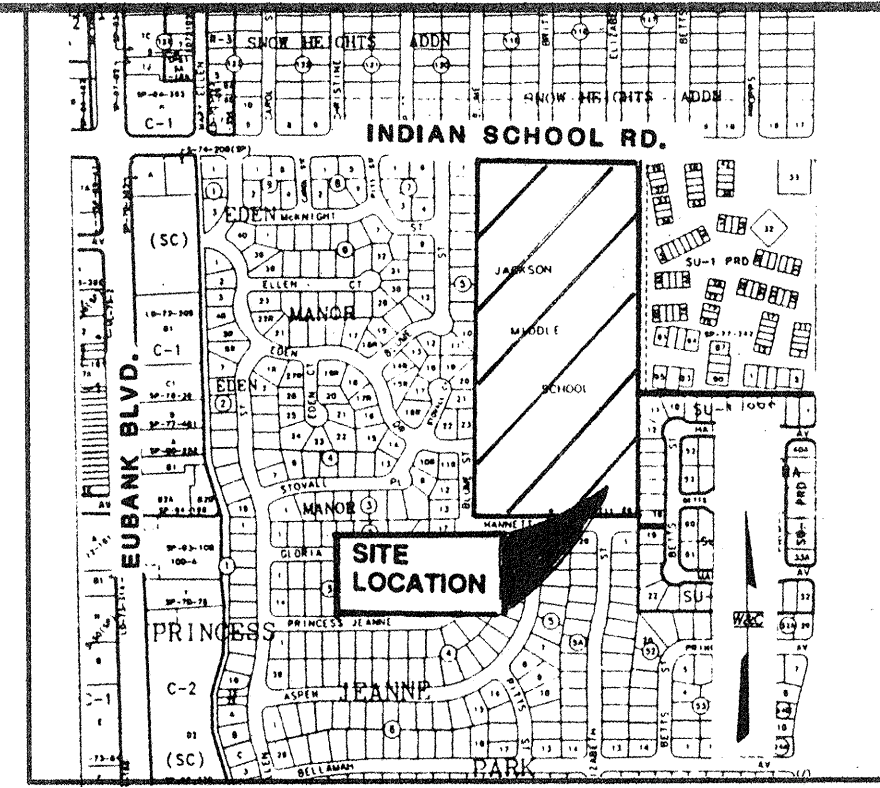
Existing Conditions: The courtyard is located in Basin 101D on the Master Drainage Plan. The courtyard area is currently undeveloped. It is compacted by human activity with a slope of 0.6%. The flow currently entering the courtyard through the existing 8" x 8" sidewalk culvert is 4.72 cfs. The sidewalk is overtopped and the flow enters the building at the west end of the sidewalk. The flow conveyed through the existing 6" diameter pipe is 1.25 cfs. The flow overtops the sidewalk and ponds in the northeast corner of the courtyard. The flow is directed by a swale southward through the courtyard and converges with additional flows from the site. The total flow through the courtyard is 9.52 cfs.

Proposed Conditions: Proposed conditions include construction of a concrete courtyard and an amphitheatre located north of the basketball courts and east of the gymnasium. The existing 8" x 8" sidewalk culvert will be replaced with 2 - 10" x 24" culverts to route the flow into the courtyard. The existing 6" pipe will be replaced with a 12" diameter pipe to convey the flow to the courtyard. The proposed flow, as well as the existing flows entering the courtyard, will be directed southward through a swale with sideslopes of 20 to 1. The total proposed flow through the courtyard is 10.58 cfs.

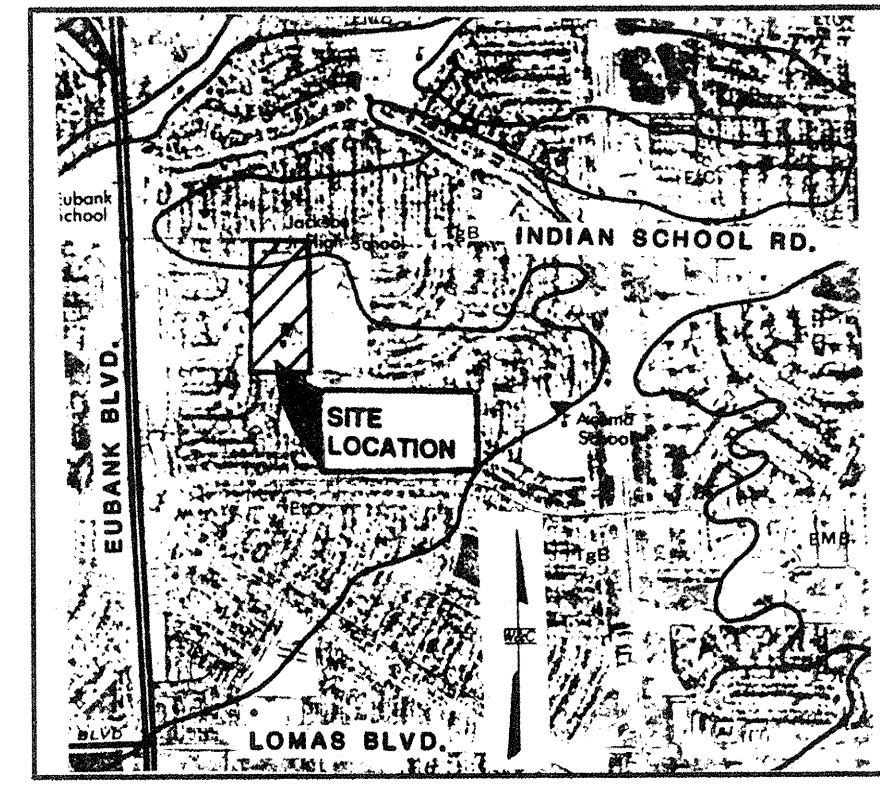
Conclusion: The proposed improvements to the site increase the runoff by 1.06 cfs. Upon completion of the construction of the courtyard, Basin 101D will be fully developed in accordance to the Drainage Master Plan. The flows exit through an existing concrete rundown located along the west property line, then into drop inlets located in the adjacent Blume Street. The existing structures will be replaced with larger sizes to improve the drainage and accommodate the flow through the courtyard.

LEGEND

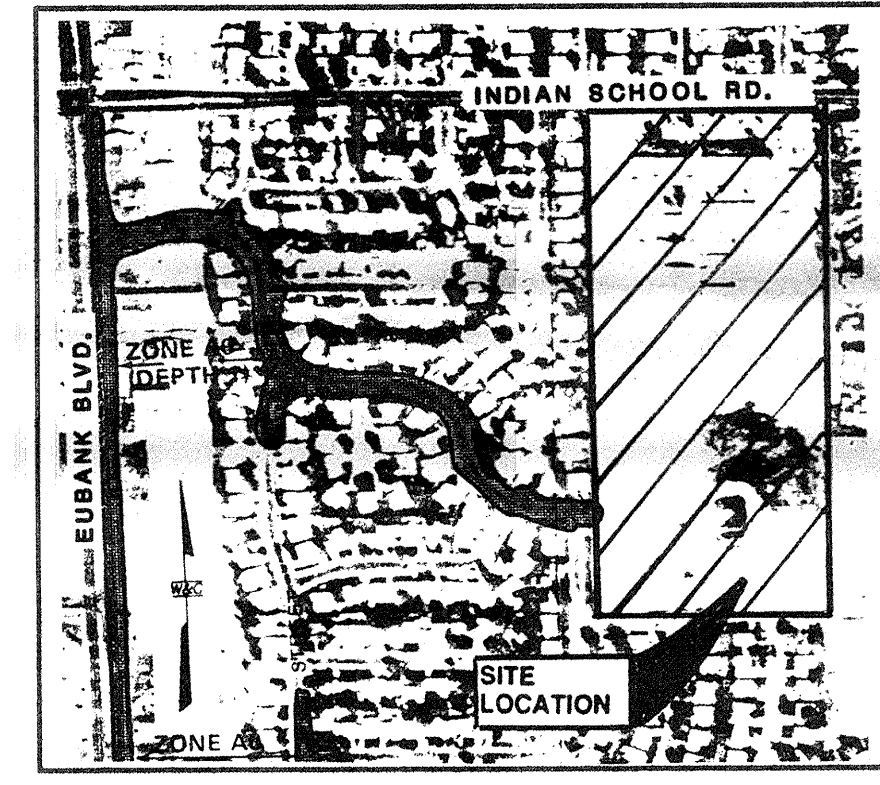
- 5498 EXISTING INTERMEDIATE CONTOUR
- 5505 EXISTING INDEX CONTOUR
- 5089 PROPOSED INTERMEDIATE CONTOUR
- 5160 PROPOSED INDEX CONTOUR
- x 5498.89 EXISTING SPOT ELEVATION
- 07.31 PROPOSED FLOW LINE ELEVATION
- 07.31 PROPOSED SPOT ELEVATION
- EXISTING DRAINAGE SWALE
- PROPOSED DRAINAGE SWALE



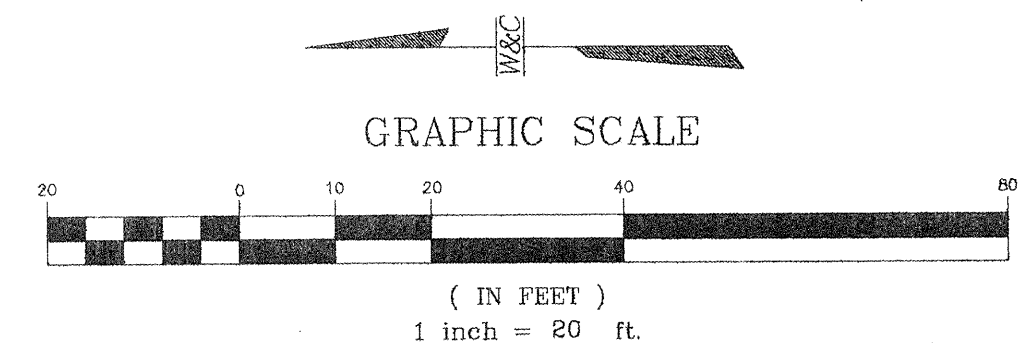
LOCATION MAP
ZONE ATLAS MAP NO. J-21



SOILS MAP
REFERENCE: SCS BERNALILLO COUNTY SOIL SURVEY
SHEET NO. 32



FLOOD INSURANCE MAP
REFERENCE: FLOOD INSURANCE STUDY
PANEL 31



LEGAL DESCRIPTION

THE JACKSON JUNIOR HIGH SCHOOL TRACT, LYING IN THE WEST 1/2 OF THE NE 1/4 OF THE NW 1/4 OF SECTION 16, TOWNSHIP 10 NORTH, RANGE 4E, NMPM

BENCH MARK

A STANDARD A.C.S. BRASS TABLET STAMPED "10-J21, 1979" SET FLUSH WITH THE CURB IN THE MEDIAN ON INDIAN SCHOOL RD. 57' EAST OF THE INTERSECTION OF EUBANK BLVD. & INDIAN SCHOOL RD.

JACKSON MIDDLE SCHOOL GRADING PLAN - PHASE I

WILSON & COMPANY

4775 INDIAN SCHOOL ROAD N.E.
SUITE 200
ALBUQUERQUE, NEW MEXICO
87110
(505) 254-4000

City Project No. N/A

Zone Map No. J-21
DATE OCT. 1996
FILE NO. 96050
DESIGN BMS
DRAWN KIS

