

I, SCOTT M. MCGEE, LICENSED UNDER THE LAWS OF THE STATE OF NEW MEXICO DO HEREBY CERTIFY THAT THIS PROJECT WAS CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THE APPROVED PLAN DATED 10/27/99 (CITY APPROVAL LETTER DATED 12/27/99). AS FIELD VERIFIED BY WILSON & COMPANY, NMLS NO. 11955 ON 09/01/00 AND 10/20/00 IN ACCORDANCE WITH THE "NEW MEXICO ENGINEERING AND SURVEYING ACT" SECTION 61-23-1 THROUGH 61-23-32 NMSD (1978).

Scott M. McGee
SCOTT M. MCGEE, NMPE NO. 10519
DATE 10/23/00

SCOTT M. MCGEE
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER
10519

GENERAL INFORMATION

LEGAL DESCRIPTION: ARROYO DEL OSO ELEMENTARY SCHOOL

ADDRESS: 6504 HARPER DRIVE NE.

SITE AREA: 426,890 SF = 9.80 ACRES

PRECIPITATION ZONE: 3

SURVEYOR: WILSON & COMPANY, DATED MARCH, 1999

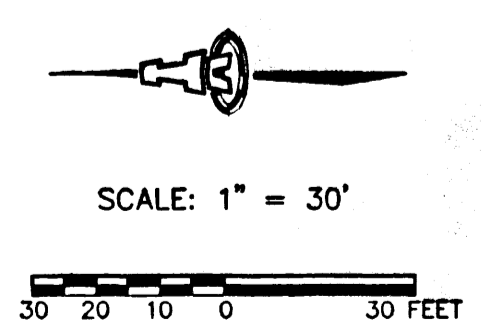
BENCHMARK(S): ACS BENCHMARK "5-E18" AN "X" LOCATED IN THE NORTH CURB RETURN AT THE INTERSECTION OF BURILSON AND LEANDER AVE NE ELEVATION = 5307.35

TEMPORARY BENCHMARK: NORTH RIM OF SAS MH SHOWN IN HARPER DRIVE AT NW CORNER OF SITE. ELEVATION = 5269.07

SITE SOIL: AS SHOWN ON SHEET #21 OF THE SCS SOIL SURVEY OF BERNALILLO COUNTY, SOIL IS CLASSIFIED AS EMBUDO-TIJERAS COMPLEX WHICH IS A GRAVELLY FINE SANDY LOAM (HYDROLOGIC GROUP "B" SOIL).

FLOOD HAZARD STATEMENT: FEMA PANEL 139 INDICATES THIS SITE IS NOT WITHIN THE 500-YEAR FLOOD ZONE (ZONE X).

SEE SHEET C2 FOR PUBLIC R/W CONSTRUCTION NOTES.



LEGEND

	PROPOSED ROAD		SIDEWALK CULVERT
	EXISTING PAVED ROAD		EXTRUDED PC CURB
	INDEX CONTOUR		CONCRETE CURB & GUTTER
	INTERMEDIATE CONTOUR		SANITARY SEWER MANHOLE
	PROPOSED CONTOUR		EXISTING SPOT ELEVATION
	TELEPHONE RISER		PROPOSED SPOT ELEVATION
	CLEAN OUT		TOP OF CURB FLOW LINE ELEVATION
			AS-BUILT ELEVATION

ARROYO DEL OSO ELEMENTARY SCHOOL

GRADING & DRAINAGE PLAN

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque, New Mexico

070GRD.DWGdvr 10/26/99

SHEET C1



VICINITY MAP

SCALE: 1" = 750'(APPROX.)

DRAINAGE PLAN

The following items concerning the Arroyo Del Oso Elementary School Drainage Plan are contained hereon:

1. Vicinity Map
2. Grading Plan
3. Sidewalk Culvert Details

As shown by the Vicinity Map, the site is located on the south side of Harper Drive N.E., between Rosalinda Avenue N.E. and Glendora Drive N.E. At present, the site is developed as an elementary school. The proposed construction consists of two kindergarten classrooms, a future portable classroom location, and playground modifications. A Master Drainage Plan for this site has already been prepared and submitted. This plan is consistent with that Master Drainage Plan which addresses the site in its entirety.

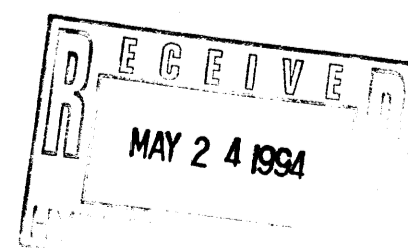
As shown by Panel 17 of 50 of the National Flood Insurance Program Flood Insurance Rate Maps for the City of Albuquerque, New Mexico, this site does not lie within a designated flood hazard zone. The site currently drains from east to west and discharges the majority of its runoff to an existing drainage easement located at the approximate southwest corner of the site. From this point, the runoff generated by the site discharges into public right-of-way and eventually reaches a tributary to the Pino Arroyo. At this point, flows are confined within the constructed channel.

The Grading Plan shows: 1) existing and proposed contours indicated by spot elevations and contours at 1'0" intervals, 2) the limit and character of the existing improvements, 3) the limit and character of the proposed improvements, and 4) continuity between existing and proposed grades. As shown by this plan, the project consists of the construction of two kindergarten classrooms, plus the preparation of a pad for a portable classroom. Playground modifications are also incorporated into the project. The net effect of this construction is negligible on the overall runoff generated by this site.

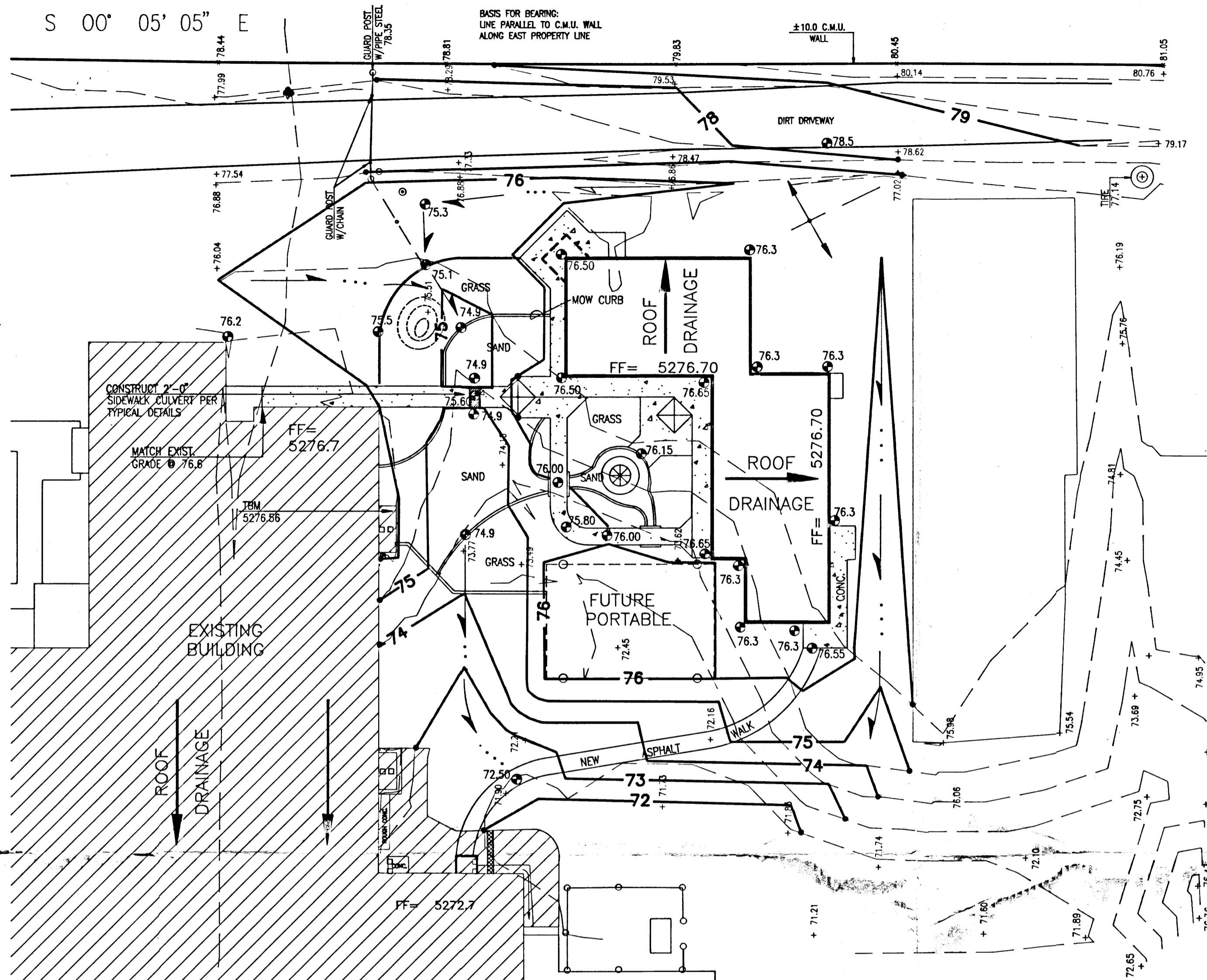
Calculations have not been performed for this plan as those calculations have previously been prepared and are included with the Master Drainage Plan submittal referenced above. Offsite flows are also addressed by the Master Drainage Plan.

CONSTRUCTION NOTES:

1. Two (2) working days prior to any excavation, contractor must contact New Mexico One Call Service 266-1990, 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 in writing 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 public right-of-way shall be performed in accordance with applicable City of Albuquerque Standards and Procedures.
5. If any utility lines, pipelines, or underground utility lines are shown on these drawings, they are shown in an approximate manner only, and such lines may exist where none are shown. If any such existing lines are shown, the location is based upon information provided by the owner of said utility, and the information may be incomplete, or may be obsolete by the time construction commences. The engineer has conducted only preliminary investigation of the location, depth, size, or type of existing utility lines, pipelines, or underground utility lines. This investigation is not conclusive, and may not be complete, therefore, makes no representation pertaining thereto, and assumes no responsibility or liability therefor. The contractor shall inform itself of the location of any utility line, pipeline, or underground utility line in or near the area of the work in advance of and during excavation work. The contractor is fully responsible for any and all damage caused by its failure to locate, identify and preserve any and all existing utilities, pipelines, and underground utility lines. In planning and conducting excavation, the contractor shall comply with state statutes, municipal and local ordinances, rules and regulations, if any, pertaining to the location of these lines and facilities.
6. The design of planters and landscaped areas is not part of this plan. All planters and landscaped areas adjacent to the building(s) shall be provided with positive drainage to avoid any ponding adjacent to the structure. For construction details, refer to landscaping plan.



JEFF MORTENSEN & ASSOCIATES, INC.
6010-B MIDWAY PARK BLVD. N.E.
ALBUQUERQUE, NEW MEXICO 87109
ARCHITECTS - SURVEYORS (505) 345-4259



PROJECT BENCHMARK

AT THE INTERSECTION OF BURLISON DR. AND LEANDER AVE., IN THE MEADOWOOD MANOR SUBDIVISION. A "CG" CUT ON THE NORTH END OF CURB RETURN OF THE CORNER OF INTERSECTION
ELEVATION = 5307.35 FEET(MSLD)

T.B.M

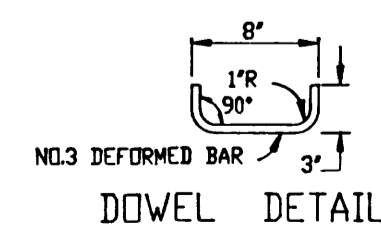
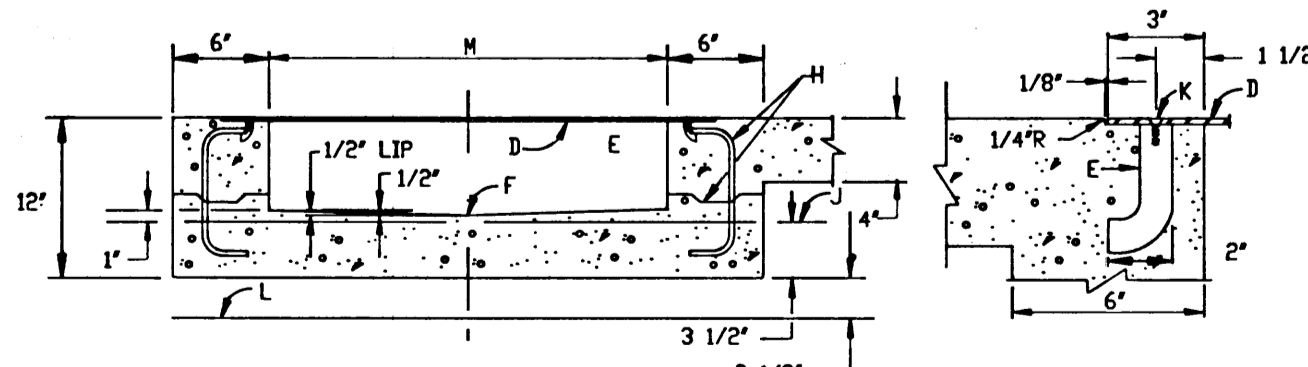
A "CG" CHISEL ON TOP OF CONCRETE AS SHOWN ON DRAWING.
ELEVATION = 5276.56 FEET(MSLD)

LEGAL DESCRIPTION

A PORTION OF TRACT A, ACADEMY ACRES, UNIT 7.

LEGEND:

- EXISTING BUILDING
- ROOF DRAINAGE
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- PROPOSED CONTOUR
- EXISTING CONTOUR
- FLOW DIRECTION
- NEW CONCRETE SIDEWALK
- HIGH POINT



TYPICAL SIDEWALK CULVERT DETAIL
NOT TO SCALE

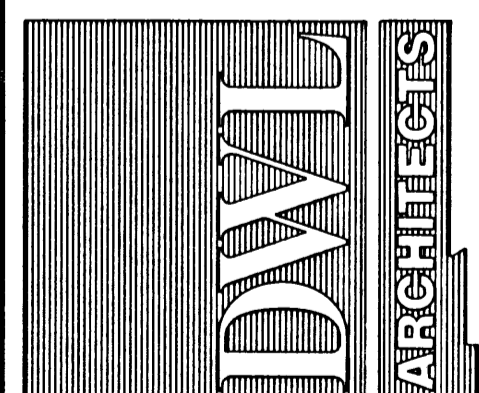
CONSTRUCTION NOTES:

1. JOIN NEAREST SCORE LINE ON WEATHERED PLANE JOINT. PLACE 1/2" EXPANSION JOINT MATERIAL.
2. SIDEWALK OR SETBACK (VARIABLE).
3. 2" RADIUS (TYPICAL).
4. 3/4" CHECKERED STEEL PLATE.
5. 1/2" WIDE x 1/2" DEEP.
6. 1/2" INVERT.
7. SIDEWALK GRADE.
8. DOWEL AND JOINT (OPTIONAL).
9. GUTTER FLOWLINE ELEV.
10. 3/8" x 1/4" CROWN STAINLESS STEEL MACHINE SCREW.
11. BOTTOM OF GUTTER.
12. DRAIN WIDTH 24" MIN. 1/2" MIN.
13. SLOPE 1/4" PER 1' MIN.

GENERAL NOTE
COORDINATE THE STRUCTURAL AND MECHANICAL DRAWINGS WITH THE ARCHITECTURAL DRAWINGS FOR SIZES AND LOCATIONS. ANY DISCREPANCIES AND / OR CONFLICTS SHALL BE REPORTED TO THE ARCHITECT IN WRITING BEFORE PROCEEDING WITH THE WORK.

GRADING PLAN
ALBUQUERQUE PUBLIC SCHOOLS
ARROYO DEL OSO
ELEMENTARY SCHOOL
ALBUQUERQUE, NEW MEXICO

DWL Architects and Planners, Inc.
of New Mexico
801 San Pedro N.E.
Albuquerque, New Mexico
(505) 268-6202
Suite 204
87108
Fax (505) 268-6232



SCALE: 1" = 20'-0"
DATE: 05-94
DRAWN BY: CJH
CHECKED BY: JGM

REVISED:

GRADING PLAN

SHEET NUMBER

1

OF SHEETS

TOTAL SHEETS: FILE NUMBER:

1" = 20'

3063JWG