

CITY OF ALBUQUERQUE

PLANNING DEPARTMENT – Development Review Services



November 10, 2014

Scott M. McGee, P.E.
9700 Tanoan Dr NE
Albuquerque, NM 87111

Richard J. Berry, Mayor

Re: Dolores Gonzalez Elementary School, 900 Atlantic Ave. SW
Grading and Drainage Plan
Engineer's Stamp Date 05-01-2013 (K-13/D031)
Engineer's Certification Date 11-7-14

Dear Mr. McGee,

Based on the Certification received 11/10/2014, the site is acceptable for a TEMPORARY 30-day Certificate of Occupancy by Hydrology.

Prior to permanent C.O. the sidewalk culvert must be constructed and inspected. Hydrology must be provided a copy of the approved encroachment agreement as per the Approval letter dated June 3, 2013.

PO Box 1293

Hydrology is asking for an electronic copy, in PDF format, of this certification for our records. This PDF file can be e-mailed to me at: rharmon@cabq.gov.

Albuquerque

If you have any questions, you can contact me at 924-3695.

New Mexico 87103

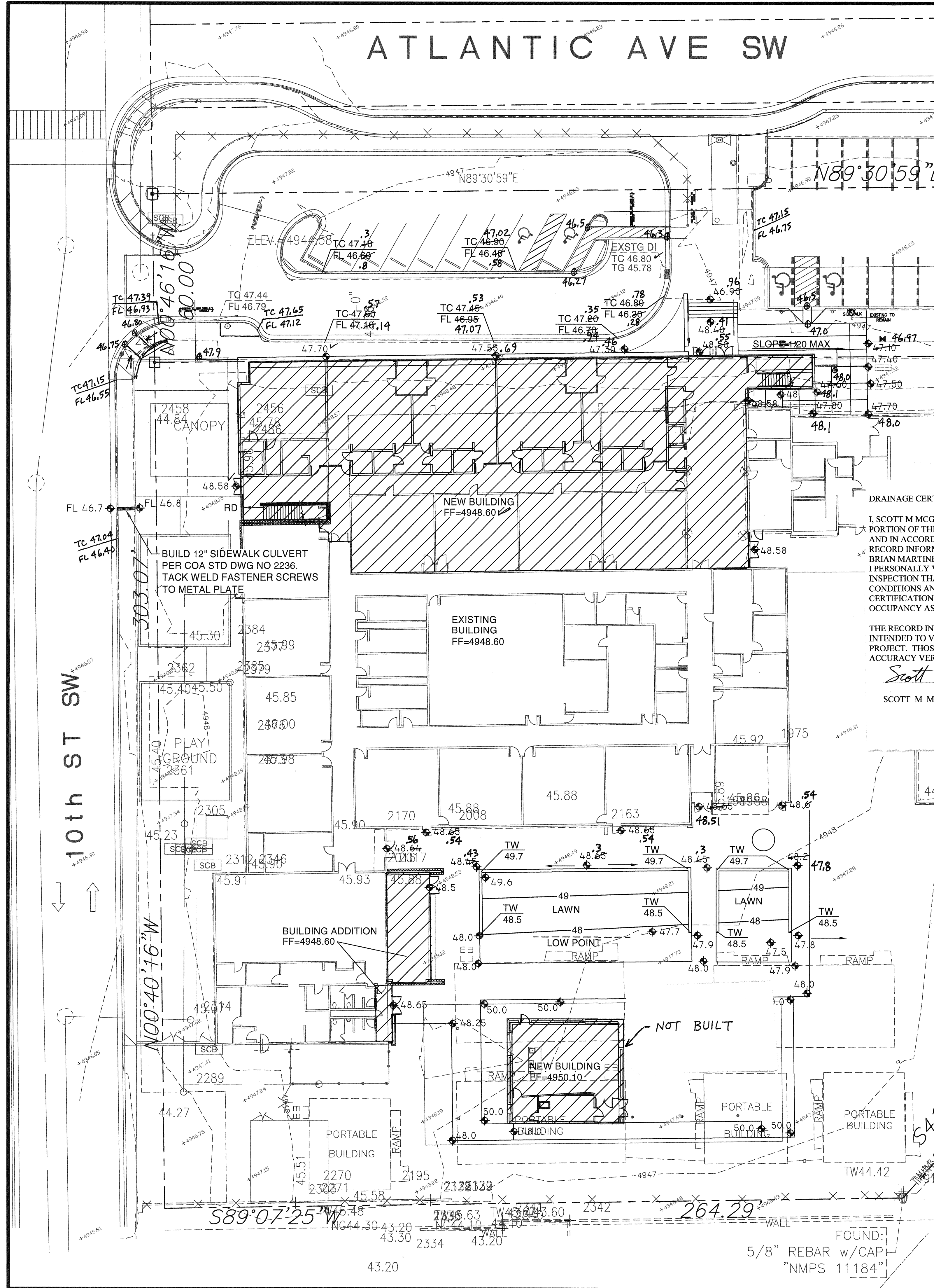
Sincerely,

Rita Harmon, P.E.
Senior Engineer, Planning Dept.
Development Review Services

www.cabq.gov

Orig: Drainage file

c.pdf: via Email: recipient, CO Clerks—Katrina Sigala, Francis Connor, Carol Quintana



DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY NOTICE TO CONTRACTOR

1. An excavation permit will be required before beginning any work within City Right-Of-Way.
2. 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.
3. Two working days prior to any excavation, the contractor must contact the line locating service, New Mexico One Call 260-1990, (NM one call "811") for the location of existing utilities.
4. Prior to construction, the contractor shall excavate and verify the locations of all obstructions. Should a conflict exist, the contractor shall notify the engineer so that the conflict can be resolved with a minimum amount of delay.
5. Backfill compaction shall be according to traffic/street use.
6. Maintenance of the facility shall be the responsibility of the owner of the property being served.
7. Work on arterial streets shall be performed on a 24-hour basis.

DRAINAGE CERTIFICATION—TEMPORARY CERTIFICATE OF OCCUPANCY

I, SCOTT M MCGEE, NMPE 10519, OF THE FIRM SCOTT M MCGEE PE, LLC, HEREBY CERTIFY THAT A PORTION OF THIS SITE HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 5/1/13. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY BRIAN MARTINEZ, NMPS 18734, OF THE FIRM CARTESIAN SURVEYS INC. I FURTHER CERTIFY THAT I PERSONALLY VISITED THE PROJECT SITE ON 11/7/14 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR TEMPORARY CERTIFICATE OF OCCUPANCY AS THE NEW BUILDING TO THE SOUTH HAS NOT BEEN BUILT.

THE RECORD INFORMATION SHOWN HEREON IS NOT NECESSARILY COMPLETE AND IS ONLY INTENDED TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING/ DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT ACCURACY VERIFICATION BEFORE USING IT FOR ANY PURPOSE.

Scott M McGee 11/7/14

SCOTT M MCGEE, NMPE 10519



VICINITY MAP K-13 NTS

LEGEND

5109.82	EXISTING SPOT ELEVATION
10	EXISTING CONTOURS
FF=4948.60	FINISH FLOOR ELEVATION
12	NEW SPOT ELEVATIONS
10	PROPOSED CONTOURS
RD	ROOF DRAIN

LEGAL: Tract A-1, Dolores Gonzales Elementary School

AREA = 3.6635 acres. Portion of site this project -- 1.84 acres (80,098 sf)

BENCHMARK: City of Albuquerque Station ACS '8-L13' being an aluminum disk located in the intersection of Avenida Cesar Chavez and Bridge Blvd SW ELEV= 4956.034 (NAVD 1988)

SURVEYOR: Wilson and Co. dated September 2010

FLOOD HAZARD: From FEMA Panel 333(9/26/2008), this site is identified as being within Zone 'X' which is located outside the 100-year floodplain

EXISTING CONDITIONS: The site is a public elementary school which slopes slightly down from west to east. A Master Drainage Plan (MDP) was prepared for this site in 1993. Several land acquisitions have increased the size of the site. An existing 96" public storm drain runs diagonally through the site.

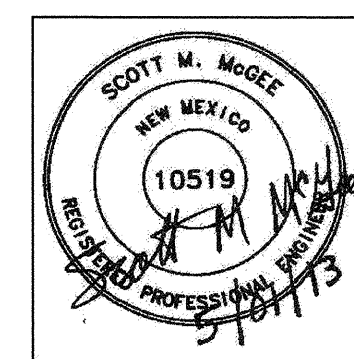
OFFSITE FLOWS: No offsite areas discharge surface runoff to this site.

PROPOSED IMPROVEMENTS: The proposed improvements include a 2-story building addition to be constructed where an existing portion of the building is to be demolished. A separate 1,450 sf music/arts building is proposed to be located in the southern part of the site where portable buildings are currently sitting on an asphalt surface. Sloped grass areas are proposed north of the building and outdoor stage area.

DRAINAGE APPROACH: The proposed drainage plan will follow historic flow paths with runoff discharging three different ways. The northern addition will drain north to existing parking lot inlets and be piped across Atlantic Avenue to the existing detention facility within Tingley Field. The music/arts building will surface flow southeast to an existing 30-foot wide drainage right-of-way that runs through the site where the existing 96-inch diameter storm drain is located.

HYDROLOGY: Precipitation Zone - 2
Existing land treatment is 3% B, 5% C, & 92% D
 $Q_{100} = [(0.03)(2.28) + (0.05)(3.14) + (0.92)(4.7)] (1.84) = 8.4 \text{ CFS}$

Proposed land treatment is 7% B, 5% C, & 88% D
 $Q_{100} = [(0.07)(2.28) + (0.05)(3.14) + (0.88)(4.7)] (1.84) = 8.2 \text{ CFS}$



GRADING AND DRAINAGE PLAN

1" = 20 FT

0 20' 40'

Westwork ARCHITECTS

PO Box 10921
ALBUQUERQUE, NEW MEXICO 87184-0921
505.884.5252 FAX: 505.884.5255

CONSULTANTS

CIVIL: Scott McGee & Associates

9700 Tabor Dr. NE
Albuquerque, NM 87110
Phone: (505) 263-2929

STRUCTURAL: Chavez-Greaves Consulting Engineers, Inc.

4700 Lincoln Road NE, Suite 102
Albuquerque, NM 87109
O: 505-344-4080
C: 505-359-7486

MECHANICAL: Chapland - Moran Engineers, Inc.

6001 Indian School Rd. NE
Albuquerque, NM 87110 - 4183
(505) 314-7508 Direct
(505) 314-7509 Office
(505) 314-7501 FAX

ELECTRICAL:

A C Engineering Enterprises, LLC
120 Aliso Drive, SE
Albuquerque, NM 87108
505.842.5787 - Direct
505.842.5787 - Fax

**DOLORES GONZALES ELEMENTARY SCHOOL
ADMINISTRATION ADDITION AND RENOVATION**

900 Atlantic Blvd. Albuquerque, New Mexico 87107

DRAWING SUBMITTAL:

01	08/10/12	SCHEMATIC DESIGN REVIEW
02	10/10/22	DESIGN DEVELOPMENT REVIEW
03	03/15/12	50% CONSTRUCTION DOCUMENT REVIEW
04	08/15/12	75% CONSTRUCTION DOCUMENT REVIEW
05	11/15/12	95% CONSTRUCTION DOCUMENT REVIEW
06	02/28/13	PERMIT SET
07	03/28/13	BID SET

MARK	DATE	DESCRIPTION
------	------	-------------

PROJECT NO: 101021

CAD DWG FILE: MG-1016_C101.DWG

DRAWN BY: C.B.

CHK'D BY: Scott M. McGee

COPYRIGHT: WESTWORK ARCHITECTS 2013

SHEET TITLE:

**DOLORES GONZALES
ELEMENTARY SCHOOL
900 Atlantic Ave. SW**

C-101