

CITY OF ALBUQUERQUE



May 6, 2015

Scott McGee, PE
Scott M. McGee PE, LLC
9700 Tanoan Dr. NE
Albuquerque, NM 87111

**Re: McKinley Middle School
4500 Comanche Rd NE
Request for Permanent C.O. - Accepted
Engineer's Stamp dated: 1-30-14 (G17D019)
Certification dated: 5-11-15**

Dear Mr. McGee,

Based on the Certification received on 5/12/2015, McKinley Middle School is acceptable for release of Certificate of Occupancy by Hydrology.

PO Box 1293

If you have any questions, you can contact me at 924-3695 or Rudy Rael at 924-3977.

Albuquerque

New Mexico 87103

www.cabq.gov

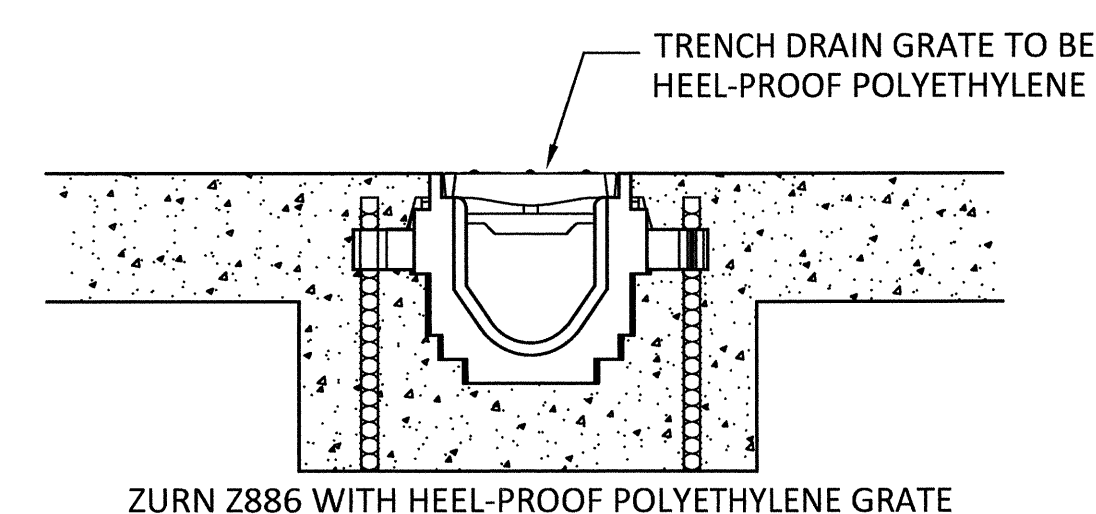
Sincerely,

Rita Harmon, P.E.
Senior Engineer
Planning Department

RR/RH
C: CO Clerk

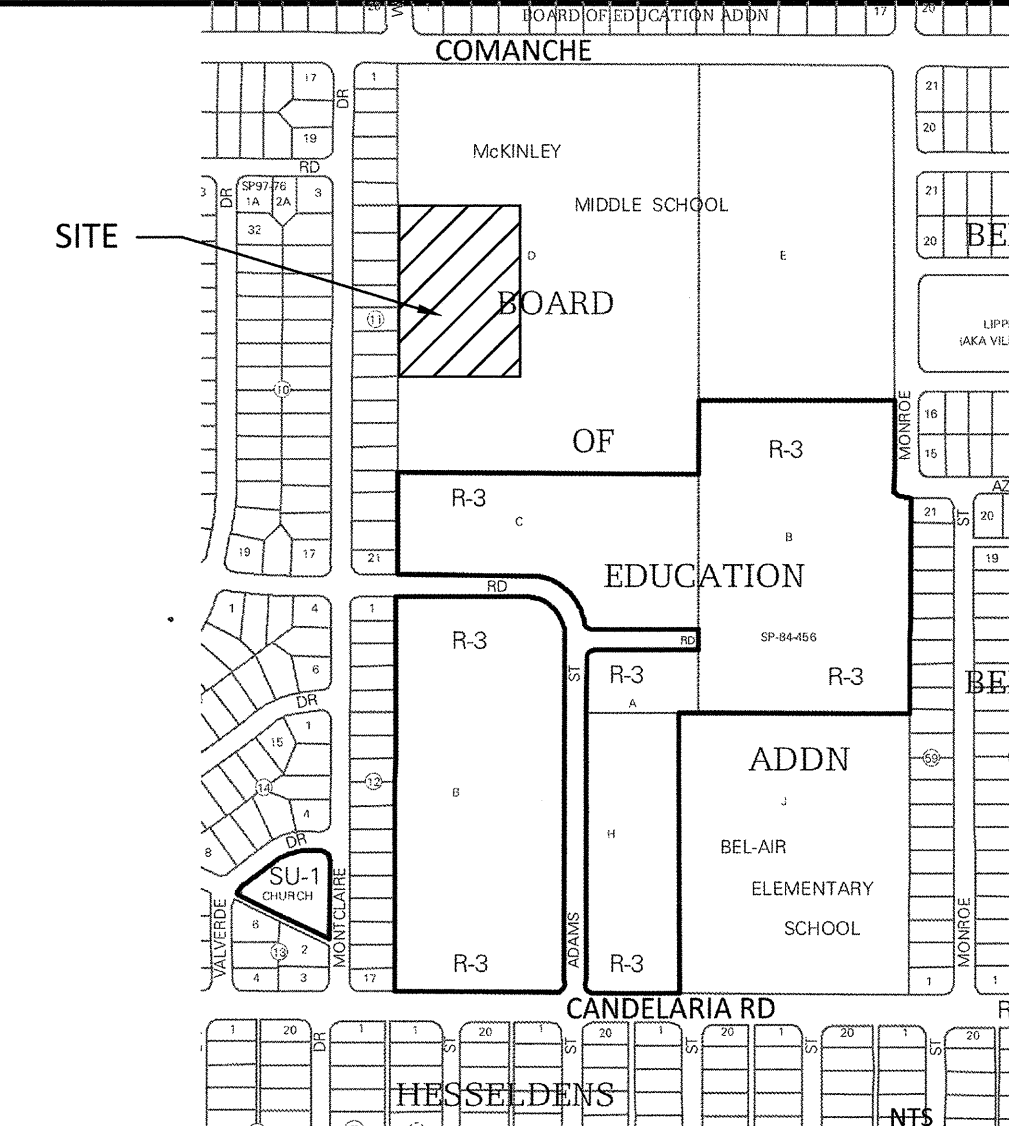


1" = 20 FT



TRENCH DRAIN

N.T.S.



VICINITY MAP

G-17

DRAINAGE

LEGAL: Tracts D & E BOARD OF EDUCATION, (aka McKinley Middle School)

AREA: Portion of site this project -- 0.733 acres (31,930 sf)

BENCHMARK: ACS brass disk "M-5A" set in Montgomery Blvd median
curb west of Washington Street NE.
ELEV= 5157.18 (NAVD 1988)

TBM: a #5 rebar with cap as shown to the southwest of the proposed building.
ELEV= 5165.56 (NAVD 1988)

SURVEYOR: High Mesa Consulting Group dated March, 2013

FLOOD HAZARD: From FEMA Panels 351-2 (8/16/2012), this site is identified as being within Zone 'X' which is outside the 0.2% annual chance floodplain.

EXISTING CONDITIONS: The site is a public middle school. The land west of the existing building to the existing asphalt access road is the area of the site affected. This area is presently ten portable classroom buildings, dirt surfacing, and asphalt walkways that slope down from east to west.

OFFSITE FLOWS: A small area contributes offsite flow from the rooftop of the adjacent building to the west. This offsite flow ($Q=0.19 \times 4.70=0.9$ CFS), will continue to flow west through the outdoor courtyard area of this site.

PROPOSED IMPROVEMENTS: The proposed improvements include a 17,500 sf (2-story) 7th grade classroom building located near the southwest corner of the site. The hardscape courtyard increases the impervious percentage of this area.

DRAINAGE APPROACH: The proposed drainage plan will follow historic flow paths and the approved Grading Plan. Building roof runoff will primarily discharge to the west side of the building. Site runoff will discharge in two different ways. A small portion will surface flow south and around the building to the west. The proposed courtyard area will surface flow north to a proposed trench drain that conveys water west to a depressed landscape area. Runoff will be carried to a shallow depressed area (landscaping design of this area is currently being done by APS). The flow will then be directed north into the existing asphalt parking lot and toward Comanche.

HYDROLOGY: For precipitation Zone 2 with 62% treatment
Existing Q= (0.453)(3.14)+(0.28)(4.70)= 2.7 CFS

The proposed improvements include the building, impervious courtyard area, walks, and the shallow depressed area northwest of the proposed building.

This minor runoff increase (0.2 CFS) will not have an adverse impact on downstream drainage facilities.

LEGEND	
— — — — —	EXISTING CONTOUR LINE
TC FL	TOP OF CURB FLOW LINE
<hr/>	
	NEW CONTOUR LINE
TC FL	TOP OF CURB FLOW LINE
FF = 5168.3	FINISH FLOOR ELEVATION
● 59.8	SPOT ELEVATION
<hr/>	
— RD	STORM DRAIN
— RD	ROOF DRAIN

PROJECT TITLE

**McKINLEY
MIDDLE SCHOOL
7TH GRADE
CLASSROOM
ADDITION**

ALBUQUERQUE
NEW MEXICOREVISIONS:

MK	DATE	DESCRIPTION
DRAWN BY: CHECKED BY:		

PROJECT NUMBER:

DATE :
01/30/14

GRADING PLAN

SHEET NO:

C-101

DRAINAGE CERTIFICATION

I, SCOTT M MCGEE, NMP#15919, OF THE FIRM SCOTT M MCGEE PE, LLC, HEREBY CERTIFY THAT THIS SITE HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 1/30/14. THE RECORD INFORMATION EDITED ONTO THE RECORD DRAWING IS THE PROPERTY OF SCOTT MCGEE PE, LLC. I, SCOTT MCGEE, NMP#15919, OF THE FIRM SCOTT MCGEE PE, LLC, HEREBY CERTIFY THAT THIS SITE HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 1/30/14. THE RECORD INFORMATION EDITED ONTO THE RECORD DRAWING IS THE PROPERTY OF SCOTT MCGEE PE, LLC. I, ALSO CERTIFY THAT I PERSONALLY VISITED THE SITE AND THE INFORMATION WAS 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. THE SHOWN PORTION OF THE AREA (SHOW WEST) OF THE BUILDING HAS BEEN GRADED AS WELL AS THE SURROUNDING PORTION OF THE BUILDING. THE REMAINING PORTION OF THE BUILDING HAS NOT BEEN GRADED. I, SCOTT MCGEE, NMP#15919, OF THE FIRM SCOTT MCGEE PE, LLC, HEREBY CERTIFY THAT THE INFORMATION SUBMITTED IN SUPPORT OF A REQUEST FOR A PERMANENT CERTIFICATE OF OCCUPANCY.

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 5/11/15
SCOTT M MCGEE, NMPE 10519



DRAINAGE CERTIFICATION

SCOTT MCGEE, NMP#519, OF THE FIRM SCOTT MCGEE PE, LLC, HEREBY CERTIFY THAT THIS SITE HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 12/01/14. THE RECORD INFORMATION EDITED ON THE ORIGINAL PLAN HAS BEEN OBTAINED BY IRI/ALTA SURVEY #174, OF IRI/ALTA SURVEYS, INC. (A/C CERTIFICATE #1) AND PERMITTED TO ADJUST THE PROJECT SITE LINES AND HIGHLIGHTS 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. THE SHALLOW DETENTION AREA (SHOWN SW OF THE BUILDING) HASN'T BEEN GRADED AND WILL BE WITHIN THE PROJECT SITE LINES. THIS STATEMENT OF CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR A TEMPORARY CERTIFICATE OF OCCUPANCY.

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 McGehee 3/17/15
SCOTT M MCGEE, NMPE 10519

