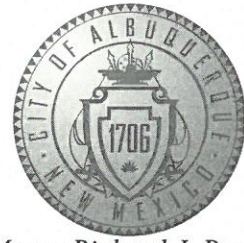


CITY OF ALBUQUERQUE

Planning Department
Suzanne Lubar, Director



Mayor Richard J. Berry

June 29, 2016

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

**RE: Albuquerque School of Excellence
13201 Lomas Blvd NE
Grading and Drainage Plan
Engineers Stamp Date 6/28/16 (J22D050)**

Dear Mr. McGee,

Based upon the information provided in your submittal received 6/29/16, this plan is approved for Grading Permit and Paving Permit.

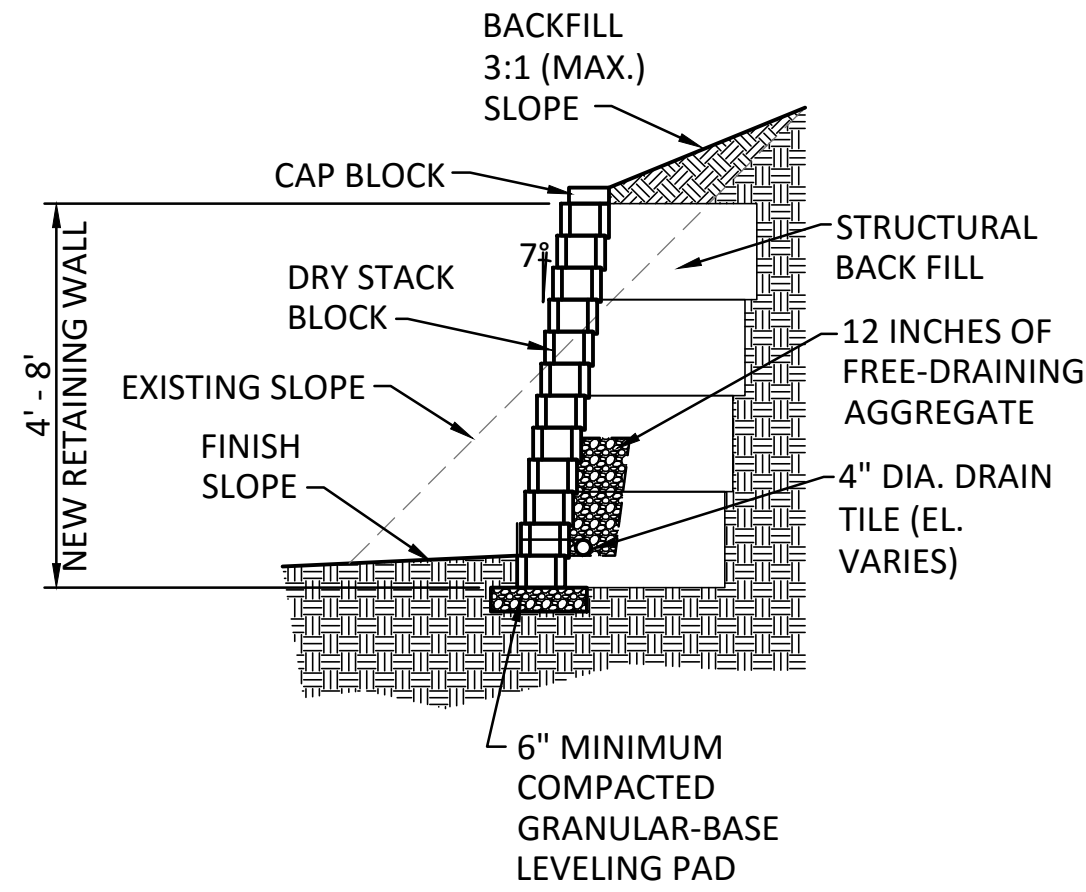
Please attach a copy of this approved plan to the construction sets in the permitting process prior to sign-off by Hydrology.

If you have any questions, please contact me at 924-3986 or Rudy Rael at 924-3977.

Sincerely,

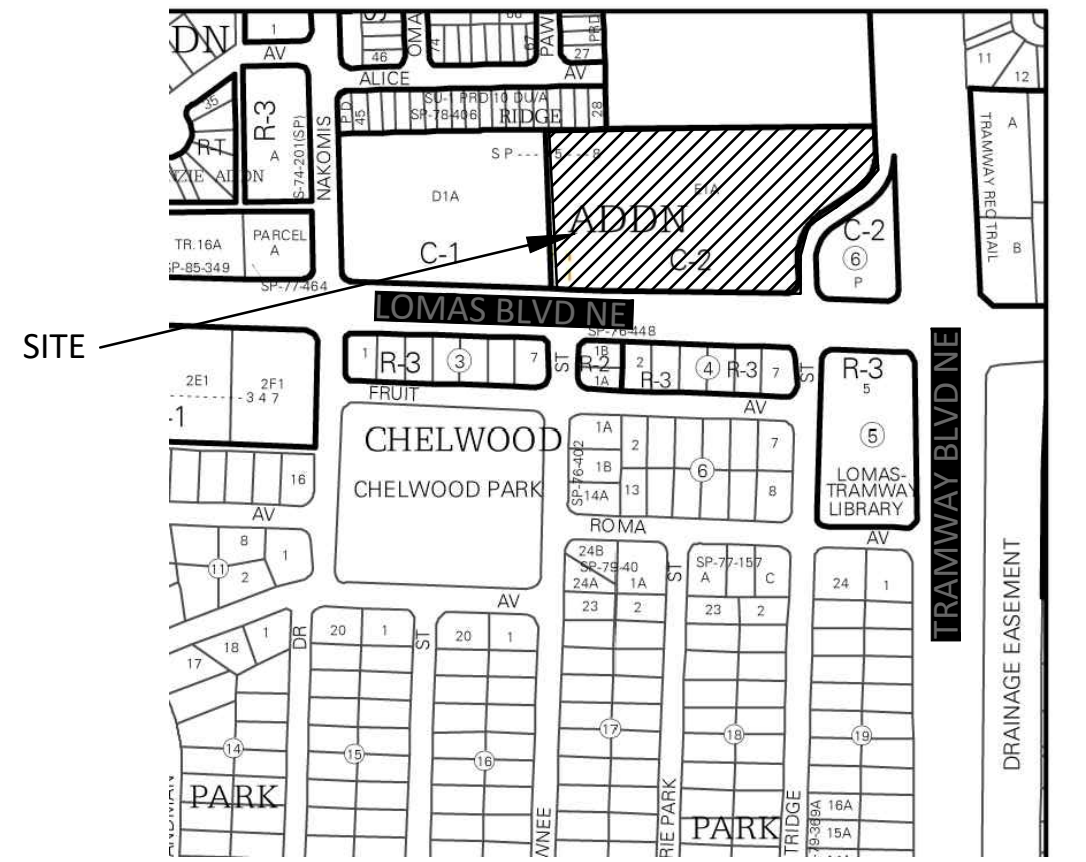
Abiel Carrillo, P.E.
Principal Engineer, Hydrology
Planning Department

RR/AC
C: File



RETAINING WALL SECTION

NTS



VICINITY MAP

K-22

NOT TO SCALE

LEGEND

---	EXISTING CONSTRUCTION
---	NEW CONTOUR
FF=5752.26	EXISTING BUILDING FINISH FLOOR ELEV
◆ 36.5	NEW SPOT ELEVATION
TRW/BW	TOP OF RETAINING WALL/BOTTOM OF WALL

DRAINAGE

ADDRESS: 13201 Lomas Blvd NE, Albuquerque, NM

SITE AREA: 217,790 SF (5.00 acres)
DISTURBED AREA: 29,600 SF (0.68 acres)

BENCHMARK: City of Albuquerque Station '3-J22' being a brass cap
ELEV= 5667.46 (NAVD 1988)

SURVEYOR: The Survey Office dated May, 2016

PRECIPITATION ZONE: 4

FLOOD HAZARD: From FEMA Map 35001C0378G (9/26/08), this site is identified as being within Zone 'X' which is located outside the 0.2% annual chance floodplain.

EXISTING CONDITIONS: The site is an existing building and asphalt parking area that was originally built in 1995 as a Furr's grocery store. It has recently been used by a charter school. The site slopes down to the west and discharges to an existing detention pond adjacent to the site and then to Lomas Blvd.

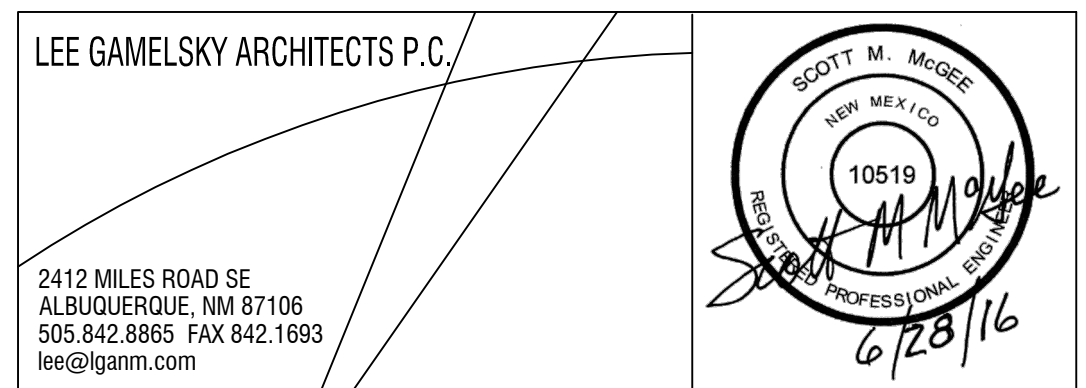
PROPOSED IMPROVEMENTS: The proposed improvements include two synthetic turf play field areas (totaling 20,550 SF), two concrete basketball practice courts, and a wood fiber playground area. These improvements are proposed where asphalt paving exists today.

DRAINAGE APPROACH: The site drainage pattern will remain unchanged as the site will continue to drain to the west side per historic conditions.

Existing land treatment: 14% C and 86% D Precipitation Zone: 4
 $Q = [(0.71)(3.73) + (4.29)(5.25)](4.39) = 25.2$ CFS

Proposed land treatment: 27% C and 73% D
 $Q = [(1.18)(3.73) + (3.82)(5.25)](4.39) = 24.5$ CFS
First flush $V = (166,490)(0.34/12) = 4,717$ CF

The existing detention pond area will likely contain the first flush volume, but it is so overgrown with vegetation that it couldn't accurately be surveyed therefore a volume can't be confirmed. Site runoff will not increase and there will be no adverse impact on downstream drainage facilities.



ALBUQUERQUE SCHOOL OF EXCELLENCE

13201 Lomas Blvd, NE Albuquerque, New Mexico

PROJECT ARCHITECT: LEE GAMESKY, AIA	Project #: Date: JUNE 28, 2016
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GRADING AND DRAINAGE PLAN

By: SMM/CB File:	Sheet: Of: C-101
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