

# CITY OF ALBUQUERQUE



March 26, 2015

Patrick J. Conley, P.E.  
Smith Engineering Company  
2201 San Pedro NE  
Albuquerque, New Mexico 87103

**RE: Sandia Prep School Running Track Reconstruction  
532 Osuna Rd. NE  
Grading and Drainage Plan  
Engineers Stamp Date 3/13/15 (E16D012)**

Dear Mr. Conley,

Based upon the information provided in your submittal received 3/17/15, 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.

When completed please provide a copy of the as-build for our records.

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

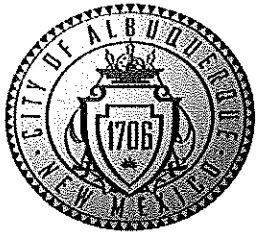
Sincerely,

Rita Harmon, P.E.  
Senior Engineer, Hydrology  
Planning Department

RR/RH  
C: File







# City of Albuquerque

Planning Department

Development & Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

Project Title: Sandia Prep. School Running Track Reconstruct Building Permit #: N/A City Drainage #: N/A  
DRB#: Not applicable EPC#: Not applicable Work Order#: Not applicable

Legal Description: \_\_\_\_\_

City Address: 532 Osuna Rd. NE, Albuquerque, NM 87113

Engineering Firm: Smith Engineering Company

Contact: Patrick J. Conley, PE

Address: 2201 San Pedro NE, Bldg 4, Suite 200, Albuquerque, NM 87110

Phone#: 505-884-0700

Fax#: 505-884-2376

E-mail: patc@smithengineering.pro

Owner: Sandia Preparatory School

Contact: Jerry Lovato

Address: 532 Osuna Rd. NE, Albuquerque, NM 87113

Phone#: 505-338-3000

Fax#: 505-338-3099

E-mail: \_\_\_\_\_

Architect: \_\_\_\_\_

Contact: \_\_\_\_\_

Address: \_\_\_\_\_

Phone#: \_\_\_\_\_

Fax#: \_\_\_\_\_

E-mail: \_\_\_\_\_

Surveyor: \_\_\_\_\_

Contact: \_\_\_\_\_

Address: \_\_\_\_\_

Phone#: \_\_\_\_\_

Fax#: \_\_\_\_\_

E-mail: \_\_\_\_\_

Contractor: \_\_\_\_\_

Contact: \_\_\_\_\_

Address: \_\_\_\_\_

Phone#: \_\_\_\_\_

Fax#: \_\_\_\_\_

E-mail: \_\_\_\_\_

### TYPE OF SUBMITTAL:

- ☐ DRAINAGE REPORT  
☐ DRAINAGE PLAN 1st SUBMITTAL  
☐ DRAINAGE PLAN RESUBMITTAL  
☐ CONCEPTUAL G & D PLAN  
☒ GRADING PLAN  
☐ EROSION & SEDIMENT CONTROL PLAN (ESC)  
☐ ENGINEER'S CERT (HYDROLOGY)  
☐ CLOMR/LOMR  
☐ TRAFFIC CIRCULATION LAYOUT (TCL)  
☐ ENGINEER'S CERT (TCL)  
☐ ENGINEER'S CERT (DRB SITE PLAN)  
☐ ENGINEER'S CERT (ESC)  
☐ SO-19  
☐ OTHER (SPECIFY) \_\_\_\_\_

### CHECK TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

- ☐ SIA/FINANCIAL GUARANTEE RELEASE  
☐ PRELIMINARY PLAT APPROVAL  
☐ S. DEV. PLAN FOR SUB'D APPROVAL  
☐ S. DEV. FOR BLDG. PERMIT APPROVAL  
☐ SECTOR PLAN APPROVAL  
☐ FINAL PLAT APPROVAL  
☐ CERTIFICATE OF OCCUPANCY (PERM)  
☐ CERTIFICATE OF OCCUPANCY (TCL TEMP)  
☐ FOUNDATION PERMIT APPROVAL  
☐ BUILDING PERMIT APPROVAL  
☒ GRADING PERMIT APPROVAL  
☐ PAVING PERMIT APPROVAL  
☐ WORK ORDER APPROVAL  
☐ GRADING CERTIFICATION
- ☐ SO-19 APPROVAL  
☐ ESC PERMIT APPROVAL  
☐ ESC CERT. ACCEPTANCE  
☐ OTHER (SPECIFY) \_\_\_\_\_

WAS A PRE-DESIGN CONFERENCE ATTENDED: \_\_\_\_\_

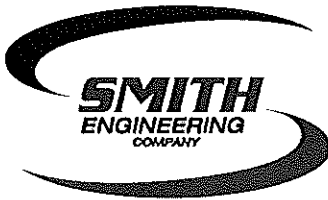
Yes ☒ No ☐ Copy Provided

DATE SUBMITTED: 12/26/2014

By: Patrick J. Conley, PE

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location, and scope to the proposed development defines the degree of drainage detail. One or more of the following levels of submittal may be required based on the following:

1. **Conceptual Grading and Drainage Plan:** Required for approval of Site Development Plans greater than five (5) acres and Sector Plans
2. **Drainage Plans:** Required for building permits, grading permits, paving permits and site plans less than five (5) acres
3. **Drainage Report:** Required for subdivision containing more than ten (10) lots or constituting five (5) acres or more
4. **Erosion and Sediment Control Plan:** Required for any new development and redevelopment site with 1-acre or more of land disturbing area, including project less than 1-acre than are part of a larger common plan of development



December 23, 2014

Ms. Amy L. D. Niese, PE  
Senior Engineer Hydrology  
City of Albuquerque Planning Department  
600 2<sup>nd</sup> Street NW, Suite 201  
Albuquerque, NM 87102

**Re: Sandia Preparatory School Running Track Reconstruction Re-submittal  
114653**

Dear Ms. Niese:

Smith Engineering is providing this re-submittal for the grading plan for review and approval by the City of Albuquerque for a Grading Permit. The project includes the reconstruction of an existing running track on the grounds of the Sandia Preparatory School. There will not be any work within the City of Albuquerque right-of-way. We have reviewed the existing drainage file provided by the City and have modified the drainage plan based on the information in those files. This re-submittal addresses the items that you provided comments on in your December 19, 2014 review letter. These have been addressed as follows:

- Item 1: Discussion of 100-Year floodplain is included.
- Item 2: The first flush is re-calculated based on 0.34 inches rainfall.
- Item 3: The elevation of the WSE for the first flush is shown on the plan. Calculations in determining that elevation are provided with this letter.
- Item 4: We are not using the existing pond for retention of the first flush. The proposed berm will control the first flush.
- Item 5: The existing 10-inch storm pipe under the bleachers is shown.

I have attached a Drainage and Transportation Information Sheet with one (1) copy of the grading plan for your review. Thank you in advance for your time and please let me know if you have any questions or if you need additional information.

Sincerely,

Smith Engineering Company

  
Patrick J. Conley, PE  
Project Engineer

Enclosure

cc: File

**SANDIA PREPARATORY SCHOOL FIRST FLUSH BERM**

NAVD 88 Contour Elevation (ft)	Contour Area (ft <sup>2</sup> )	Increment al Depth (ft)	Cumulati ve Depth (ft)	Incremental Average End Area Volume (ft <sup>3</sup> )	Cumulative Average End Area Volume (ft <sup>3</sup> )	Cumulati ve Average End Area Volume (ac-ft)
5005.21	0.00	0.00	0.00	0.00	0.00	0.0000
5006.00	432.00	0.79	0.79	170.64	170.64	0.0039
5007.00	1677.00	1.00	1.79	1054.50	1225.14	0.0281

Available storage at elevation 5007.00 exceeds required storage of 825 ft<sup>3</sup>.

Assume each 0.10 of a foot between 06 and 07 provides 124.5 ft<sup>2</sup>  $((1677 \text{ ft}^2 - 432 \text{ ft}^2)/10)$  of area to more precisely determine water surface elevation that will result in 825 ft<sup>3</sup> of storage.

**SANDIA PREPARATORY SCHOOL FIRST FLUSH BERM**

NAVD 88 Contour Elevation (ft)	Contour Area (ft <sup>2</sup> )	Increment al Depth (ft)	Cumulati ve Depth (ft)	Incremental Average End Area Volume (ft <sup>3</sup> )	Cumulative Average End Area Volume (ft <sup>3</sup> )	Cumulati ve Average End Area Volume (ac-ft)
5005.21	0.00	0.00	0.00	0.00	0.00	0.0000
5006.00	432.00	0.79	0.79	170.64	170.64	0.0039
5006.10	556.50	0.10	0.89	49.43	220.07	0.0051
5006.20	681.00	0.10	0.99	61.87	281.94	0.0065
5006.30	805.50	0.10	1.09	74.33	356.27	0.0082
5006.40	930.00	0.10	1.19	86.77	443.04	0.0102
5006.50	1054.50	0.10	1.29	99.23	542.26	0.0124
5006.60	1179.00	0.10	1.39	111.68	653.94	0.0150
5006.70	1303.50	0.10	1.49	124.12	778.06	0.0179
5006.80	1428.00	0.10	1.59	136.58	914.64	0.0210
5006.90	1552.50	0.10	1.69	149.02	1063.66	0.0244
5007.00	1677.00	1.00	1.79	1054.50	1225.14	0.0281

Water surface elevation to store 825 ft<sup>3</sup> is approximately 5006.80 ft.