

City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

Project Title: Aclass storage- second street Building Permit #: _____ City Drainage #: F15-D52B
DRB#: _____ EPC#: _____ Work Order#: _____
Legal Description: 6 NORTH SECOND STREET BUSINESSCENTER
City Address: 5124 SECOND STREET

Engineering Firm: RIO GRANDE ENGINEERING Contact: DAVID SOULE
Address: PO BOX 93924, ALBUQUERQUE, NM 87199
Phone#: 505.321.9099 Fax#: 505.872.0999 E-mail: DAVID@RIOGRANDEENGINEERING.COM

Owner: MURPHY PROPERTIES LLC Contact: _____
Address: 5124 second street nw alb nm 87107
Phone#: _____ Fax#: _____ E-mail: _____

Architect: SIMONS ARCHITECTURE Contact: JOE SIMONS
Address: _____
Phone#: _____ Fax#: _____ E-mail: _____

Surveyor: CONSTRUCTION SURVEY TECHNOLOGIES Contact: JOHN GALLEGOS
Address: _____
Phone#: 917.8921 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 ☐ SO-19 APPROVAL
☐ PAVING PERMIT APPROVAL ☐ ESC PERMIT APPROVAL
☐ WORK ORDER APPROVAL ☐ ESC CERT. ACCEPTANCE
☐ GRADING CERTIFICATION ☐ OTHER (SPECIFY) _____

WAS A PRE-DESIGN CONFERENCE ATTENDED: _____ Yes ☒ No _____ Copy Provided

DATE SUBMITTED: 4/4/14 By: _____

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

October 6, 2014

Mr. Rudy Rael
Drainage Section
City of Albuquerque
600 2nd street NW
Albuquerque, NM 87102

**RE: Revised Grading Plan
to previously Approval (F-15D22B)
Lot 6A North Second Street Business Center
Albuquerque, New Mexico**

Dear Mr. Cherne:

The purpose of this letter is to accompany the enclosed grading plan for formerly lots 5 and 6 of the North Second Street Business Center. The grading plan for this site was approved on April 7, 2014. The plan was modified to allow for standard building construction without steps. This plan drains in conformance to the approved grading plan. This plan also accommodates the water quality retention volumes. The buildings were initially to be block but due to budgetary concerns, the plans were updated to allow for metal

Should you have any questions regarding this matter, please do not hesitate to call me.

Sincerely,



David Soule, PE
RIO GRANDE ENGINEERING
PO Box 93924
ALBUQUERQUE, NM 87199
321-9099

Enclosures

Weighted E Method

stock

Existing Developed Basins

											100-Year, 6-hr.			10-day
Basin	Area (sf)	Area (acres)	Treatment A		Treatment B		Treatment C		Treatment D		Weighted E (ac-ft)	Volume (ac-ft)	Flow cfs	Volume (ac-ft)
			%	(acres)	%	(acres)	%	(acres)	%	(acres)				
ALLOWED PER MDP	92308	2.119	10%	0.21191	0.0%	0.000	0.0%	0	90%	1.907	1.961	0.346	9.29	0.601
PROPOSED DISCHARGE	85646	1.966	0%	0	6.0%	0.118	0.0%	0	94%	1.848	2.040	0.334	8.96	0.581
REAR YARD PONDS	6662	0.153	100%	0.15294	0.0%	0.000	0.0%	0	0%	0.000	0.530	0.007	0.24	0.007
COMPARISON				0.212		-0.118		0.000		0.059		-0.012	-0.339	-0.020

Equations:

Weighted E = $E_a \cdot A_a + E_b \cdot A_b + E_c \cdot A_c + E_d \cdot A_d$ / (Total Area)

Volume = Weighted D * Total Area

Flow = $Q_a \cdot A_a + Q_b \cdot A_b + Q_c \cdot A_c + Q_d \cdot A_d$

Where for 100-year, 6-hour storm (zone 2)

$E_a = 0.53$

$Q_a = 1.56$

$E_b = 0.78$

$Q_b = 2.28$

$E_c = 1.13$

$Q_c = 3.14$

$E_d = 2.12$

$Q_d = 4.7$

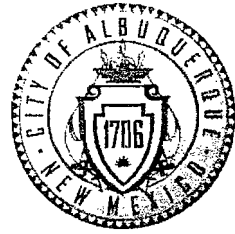
water quality ponding required

2615.393 cf

onsite ponding provided

2831 cf

CITY OF ALBUQUERQUE



April 7, 2014

David Soule, P.E.
Rio Grande Engineering
PO Box 93924
Albuquerque, New Mexico 87199

**RE: A Class Mega Storage
Grading and Drainage Plan
Engineers Stamp Date 4/03/14 (F15D52B)**

Dear Mr. Soule,

Based upon the information provided in your submittal received 4/04/14, the above referenced Grading and Drainage Plan is approved for Building Permit and Paving Permit. Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.


Attach a copy of this approved plan to each of the Building Permit sets prior to seeking approval by the Hydrology section.

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

Sincerely,

Curtis Cherne, P.E.
Principal Engineer, Hydrology
Planning Department

RR/CC
C: File

	12/6/74 R. W. HARRIS P. E. 00000	A CLASS MEGA STORAGE GRADING AND DRAINAGE PLAN	SHEET 1 C2 JOB # 00000
		DRAWING BY DATE CD-38-14 AMERICAN SOCIETY OF CIVIL ENGINEERS	