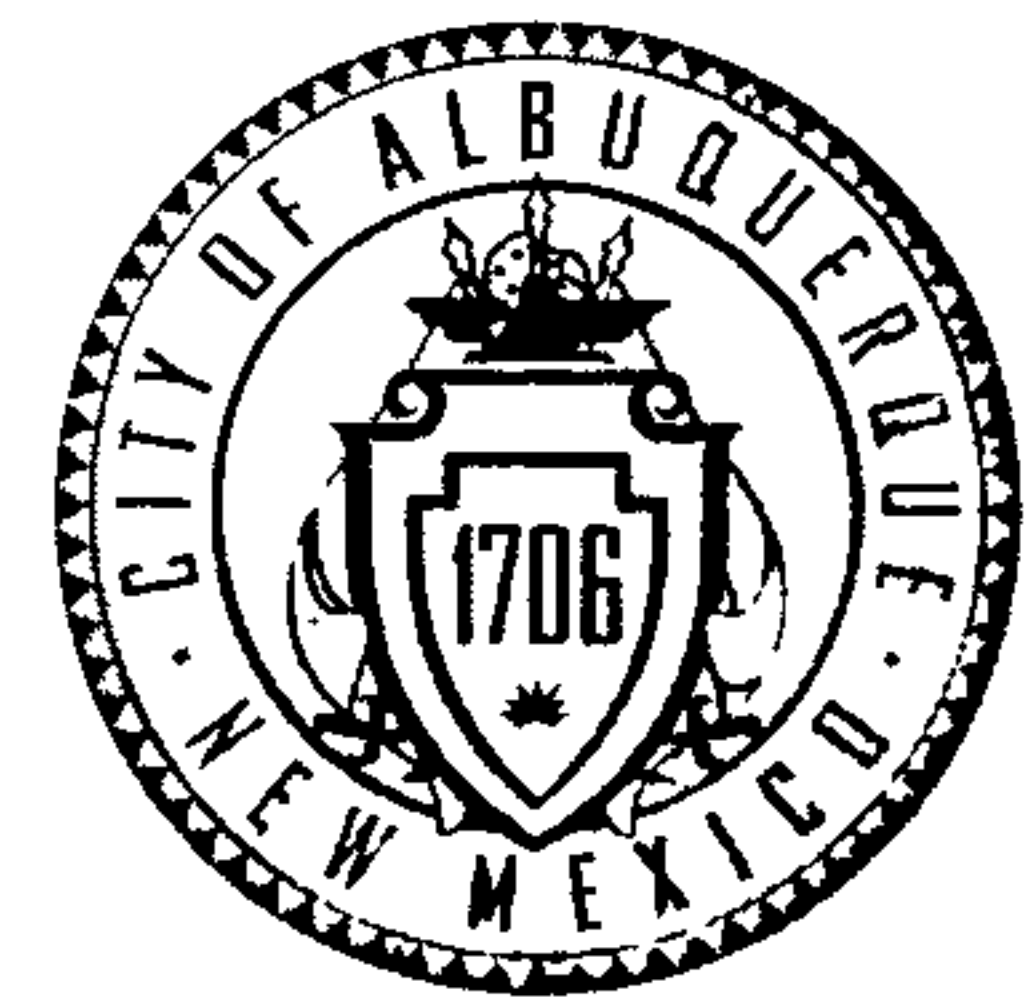


CITY OF ALBUQUERQUE



September 1, 2016

Mr. Kirk Randall
2010 North Redwood Rd
Salt Lake City, UT 84116

**Re: Smith's #423 Fuel Center
Request for Permanent C.O. - Accepted
Engineer's Stamp Date 2-2-16 (F14D072)
Certification date: 8-31-16**

Dear Mr. Randall,

Based upon the information provided in your submittal received 8/31/2016, the above referenced Certification received is acceptable for the release of Certificate of Occupancy by Hydrology.

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

Sincerely,

PO Box 1293

Albuquerque

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

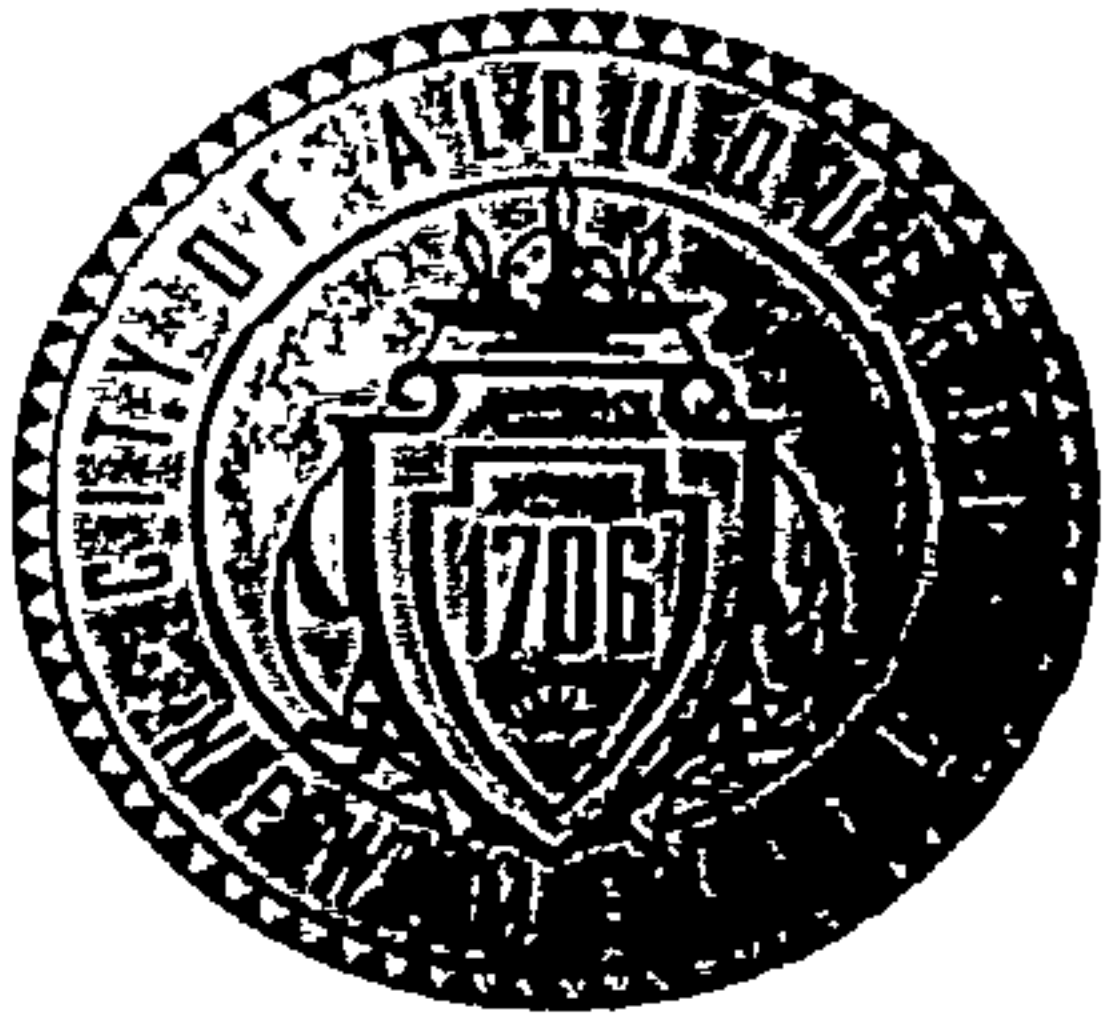
New Mexico 87103

www.cabq.gov

RR/RH

C: email

Cordova, Camille C.; Miranda, Rachel; Sandoval, Darlene M.; Blocker,
Lois



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 1/2016)

Project Title: SMITH'S #423 FUEL CENTER Building Permit #: _____ Hydrology File #: F14-D072
DRB#: _____ EPC#: _____ Work Order#: 587880
Legal Description: LOTS 2,3 & 4 HARPER ADDITION
City Address: 5640 4th St. NW

Applicant: SMITH'S FOOD & DRUG CENTERS, INC. Contact: KIRK RANDALL
Address: 2010 No. REDWOOD ROAD, SLC. UT 84116
Phone#: 801-410-8520 Fax#: 801-521-9551 E-mail: KIRK@AWAENG.COM

Other Contact: _____ Contact: _____
Address: _____
Phone#: _____ Fax#: _____ E-mail: _____

Check all that Apply:

DEPARTMENT:

- ☒ HYDROLOGY/ DRAINAGE
☐ TRAFFIC/ TRANSPORTATION
☐ MS4/ EROSION & SEDIMENT CONTROL

TYPE OF SUBMITTAL:

- ☒ AS-BUILT CERTIFICATION
☐ CONCEPTUAL G & D PLAN
☐ GRADING PLAN
☐ DRAINAGE MASTER PLAN
☐ DRAINAGE REPORT
☐ CLOMR/LOMR
☐ TRAFFIC CIRCULATION LAYOUT (TCL)
☐ TRAFFIC IMPACT STUDY (TIS)
☐ NEIGHBORHOOD IMPACT ASSESMENT (NIA)
☐ EROSION & SEDIMENT-CONTROL PLAN (ESC)
☐ OTHER (SPECIFY) _____

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

- ☐ BUILDING PERMIT APPROVAL
☒ CERTIFICATE OF OCCUPANCY
☐ GRADING/ESC PERMIT APPROVAL
☐ PRELIMINARY PLAT APPROVAL
☐ SITE PLAN FOR SUB'D APPROVAL
☐ SITE PLAN FOR BLDG. PERMIT APPROVAL
☐ FINAL PLAT APPROVAL
☐ SIA/ RELEASE OF FINANCIAL GUARANTEE
☐ FOUNDATION PERMIT APPROVAL
☐ SO-19 APPROVAL
☐ PAVING PERMIT APPROVAL
☐ GRADING/ PAD CERTIFICATION
☐ WORK ORDER APPROVAL
☐ CLOMR/LOMR
☐ PRE-DESIGN MEETING?
☐ OTHER (SPECIFY) _____

IS THIS A RESUBMITTAL?: ☐ Yes ☒ No

DATE SUBMITTED: 8-30-16 By: KIRK RANDALL

COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: _____

FEE RECEIVED: _____



RECEIVED
8-31-16

CITY OF ALBUQUERQUE

Planning Department
Suzanne Lubar, Director



Mayor Richard J. Berry

February 11, 2016

Kirk Randal, P.E.
Anderson Wahlen & Associates
2010 North Redwood Road
Salt Lake City UT 84116

**RE: Smith's #423 Fuel Center
5640 4th St NW
Grading and Drainage Plan
Engineers Stamp Date 2/2/16 (F14D072)**

Dear Mr. Randal,

Based upon the information provided in your submittal received 2/9/16, this plan is approved for Grading Permit, Paving Permit and Building Permit. However, before construction may begin the DRC must approve the plan set.

PO Box 1293

Please inform the Architect/Owner or the contractor to attach a copy of this approved plan dated 2/2/16 to the construction sets in the permitting process prior to sign-off by Hydrology. If this plan is not with the construction plan sets the permitting process will be held up until the plan is provided.

Albuquerque

Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

New Mexico 87103

If you have any questions, please contact me at 924-3686 or Rudy Rael at 924-3977.

www.cabq.gov

Sincerely,

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

RR/RH
C: File

CITY OF ALBUQUERQUE

Planning Department
Suzanne Lubar, Director



Mayor Richard J. Berry

February 11, 2016

Kirk Randal, P.E.
Anderson Wahlen & Associates
2010 North Redwood Road
Salt Lake City UT 84116

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5640 4th St NW
Grading and Drainage Plan
Engineers Stamp Date 2/2/16 (F14D072)**

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PO Box 1293

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Albuquerque

Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

New Mexico 87103

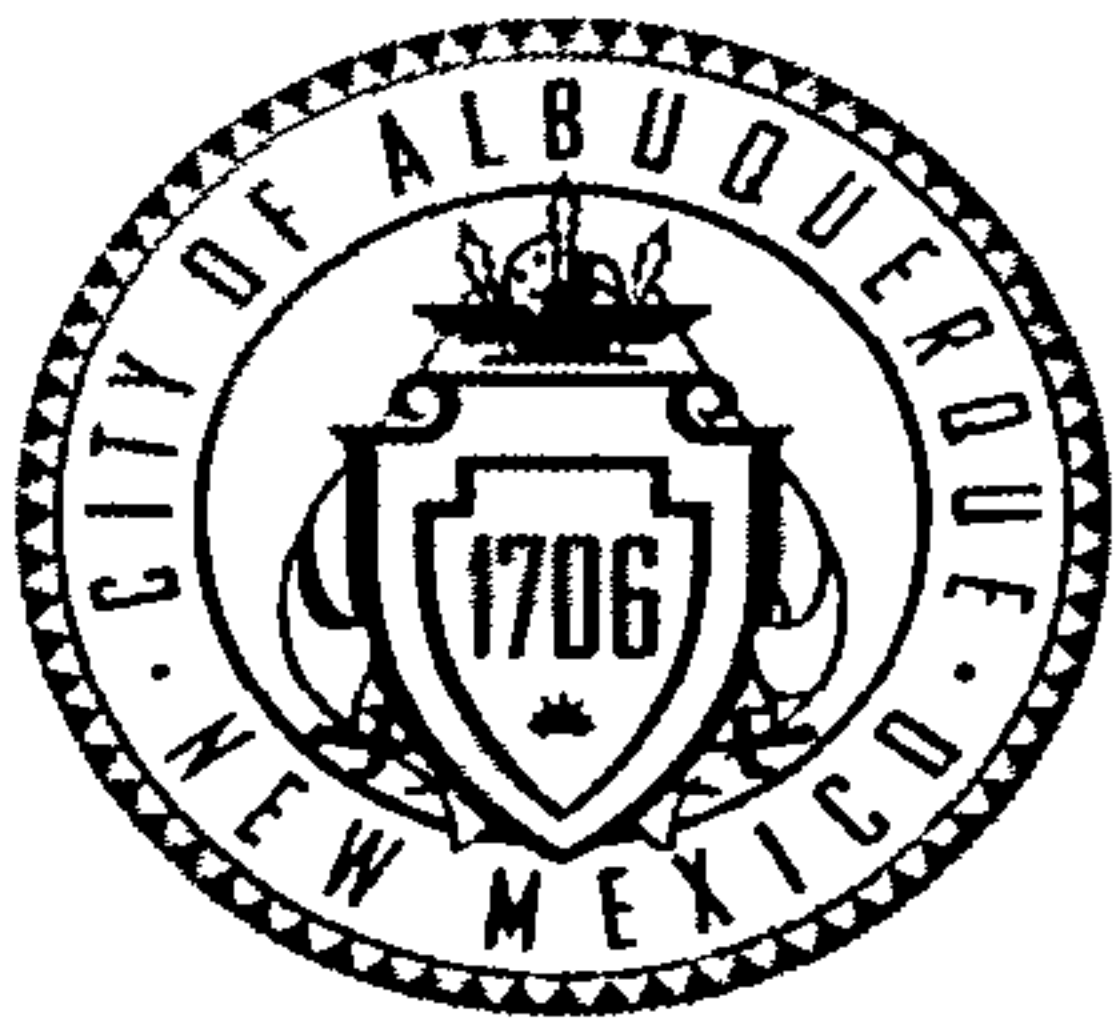
If you have any questions, please contact me at 924-3686 or Rudy Rael at 924-3977.

www.cabq.gov

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: Smith's #423 Fuel Center Building Permit #: _____ City Drainage #: F14-D072

DRB#: _____ EPC#: _____ Work Order#: DRC 587880

Legal Description: Lots 2, 3 & 4 Harper Addition

City Address: 5640 4th Street NW

Engineering Firm: Anderson Wahlen & Associates Contact: Kirk Randall

Address: 2010 North Redwood Road, Salt lake City, UT 84116

Phone#: 801-410-8520 Fax#: 801-521-9551 E-mail: kirk@awaeng.com

Owner: Smith's Food & Drug Centers, Inc. Contact: Roger Gough

Address: 1550 South Redwood Road, Salt Lake City, Ut 84104

Phone#: 801-974-1529 Fax#: 801-974-1628 E-mail: roger.gough@sfdc.com

Architect: _____ Contact: _____

Address: _____

Phone#: _____ Fax#: _____ E-mail: _____

Surveyor: _____ Contact: _____

Address: _____

Phone#: _____ Fax#: _____ E-mail: _____

Contractor: _____ Contact: _____

Address: _____

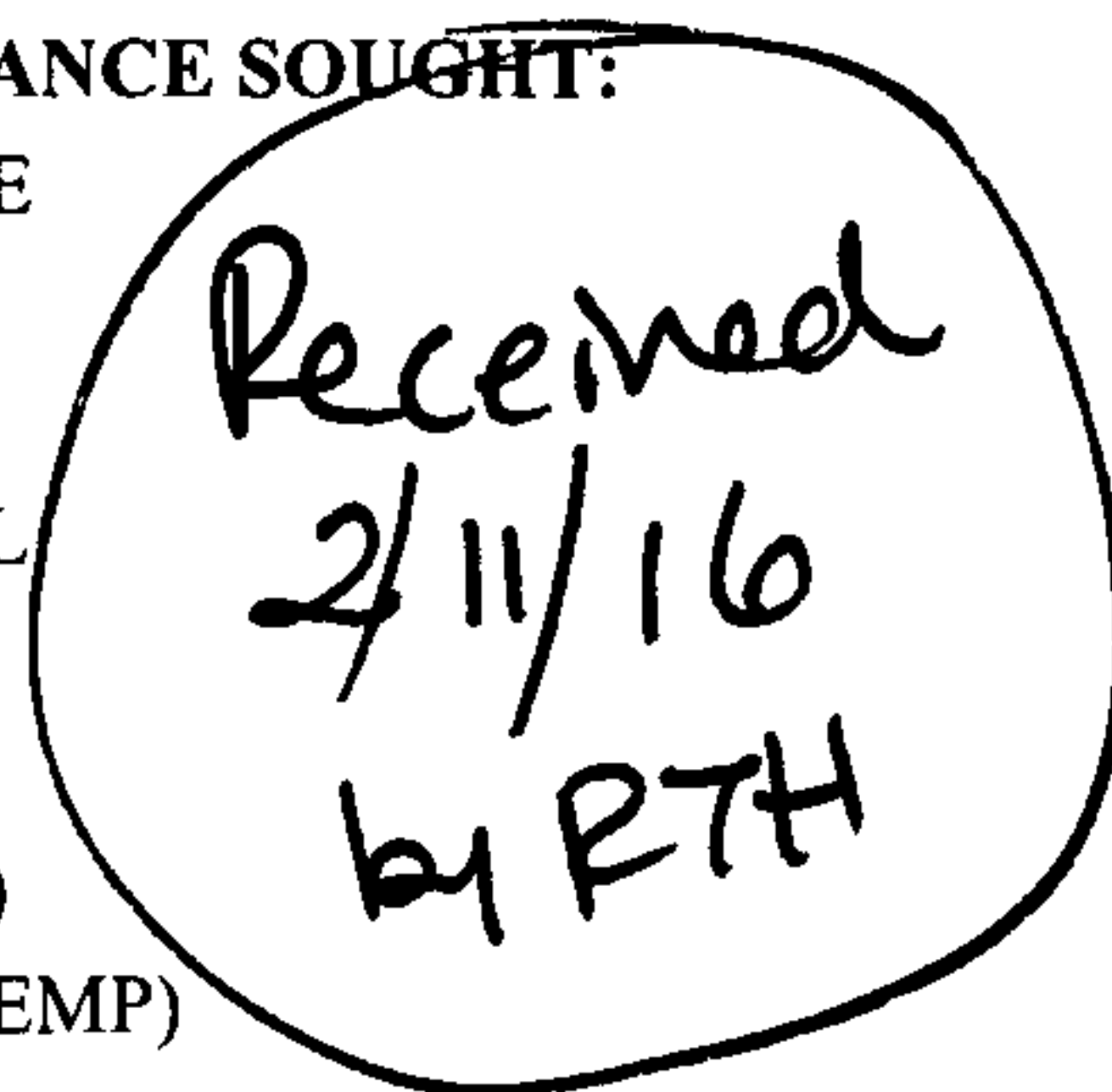
Phone#: _____ Fax#: _____ E-mail: _____

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: 2-9-2016 By: Kirk Randall

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
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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

Kirk Randall

From: Harmon Rita T. <rharmon@cabq.gov>
To: Kirk Randall
Sent: Tuesday, February 09, 2016 11:47 AM
Subject: Read: Smith's #423 Fuel - F14-D072

Your message

To:
Subject: Smith's #423 Fuel - F14-D072
Sent: Tuesday, February 09, 2016 11:46:46 AM (UTC-07:00) Mountain Time (US & Canada)

was read on Tuesday, February 09, 2016 11:46:42 AM (UTC-07:00) Mountain Time (US & Canada).

Kirk Randall

From: Rael, Rudy E. <RRael@cabq.gov>
To: Kirk Randall
Sent: Tuesday, February 09, 2016 11:46 AM
Subject: Read: Smith's #423 Fuel - F14-D072

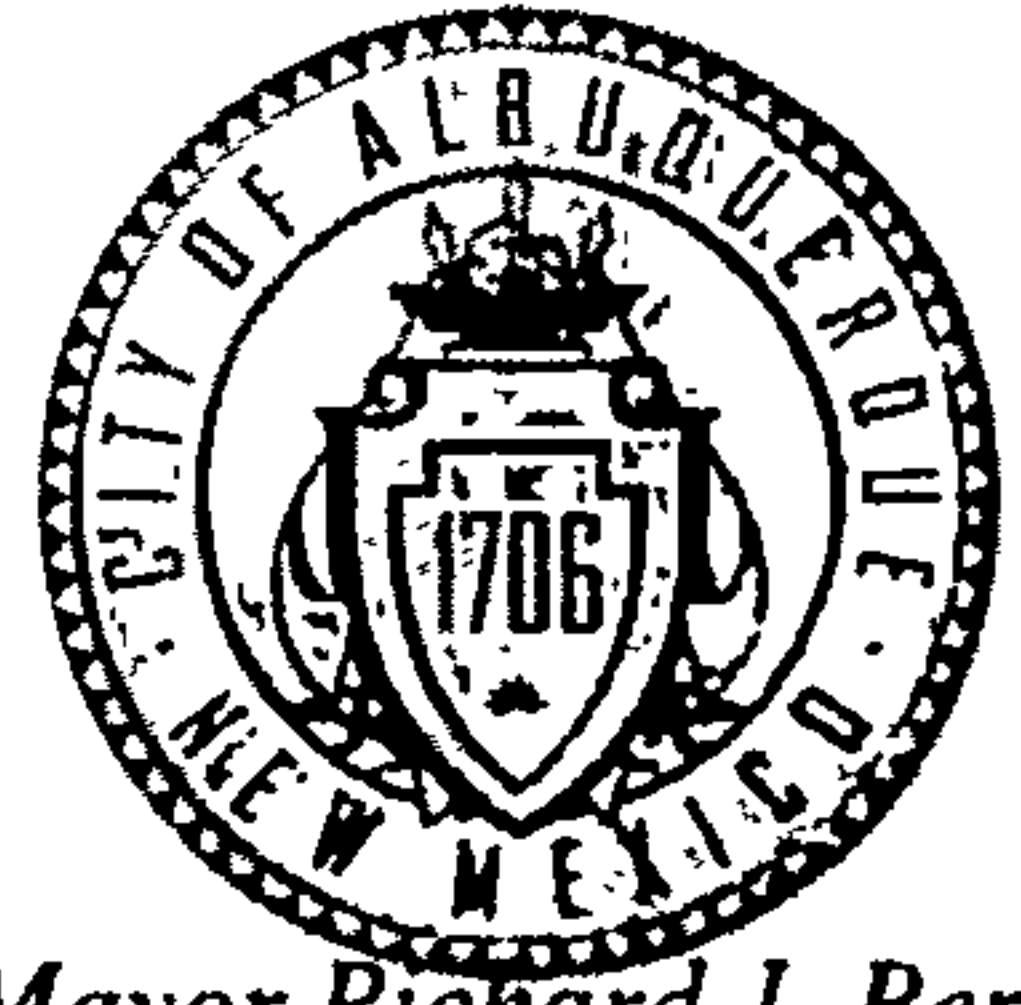
Your message

To:
Subject: Smith's #423 Fuel - F14-D072
Sent: Tuesday, February 09, 2016 11:46:24 AM (UTC-07:00) Mountain Time (US & Canada)

was read on Tuesday, February 09, 2016 11:46:19 AM (UTC-07:00) Mountain Time (US & Canada).

CITY OF ALBUQUERQUE

Planning Department
Suzanne Lubar, Director



Mayor Richard J. Berry

January 28, 2016

Kirk Randal, P.E.
Anderson Wahlen & Associates
2010 North Redwood Road
Salt Lake City UT 84116

**RE: Smith's #423 Fuel Center
5640 4th St NW
Grading and Drainage Plan
Engineers Stamp Date 1/26/16 (F14D072)**

Dear Mr. Randal,

Based upon the information provided in your submittal received 1/27/16, this plan is approved for Grading Permit, Paving Permit and Building Permit. However, before construction may begin the DRC must approve the plan set.

PO Box 1293

Please inform the Architect/Owner or the contractor to attach a copy of this approved plan dated 1/26/16 to the construction sets in the permitting process prior to sign-off by Hydrology. If this plan is not with the construction plan sets the permitting process will be held up until the plan is provided.

Albuquerque

Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

New Mexico 87103

If you have any questions, please contact me at 924-3686 or Rudy Rael at 924-3977.

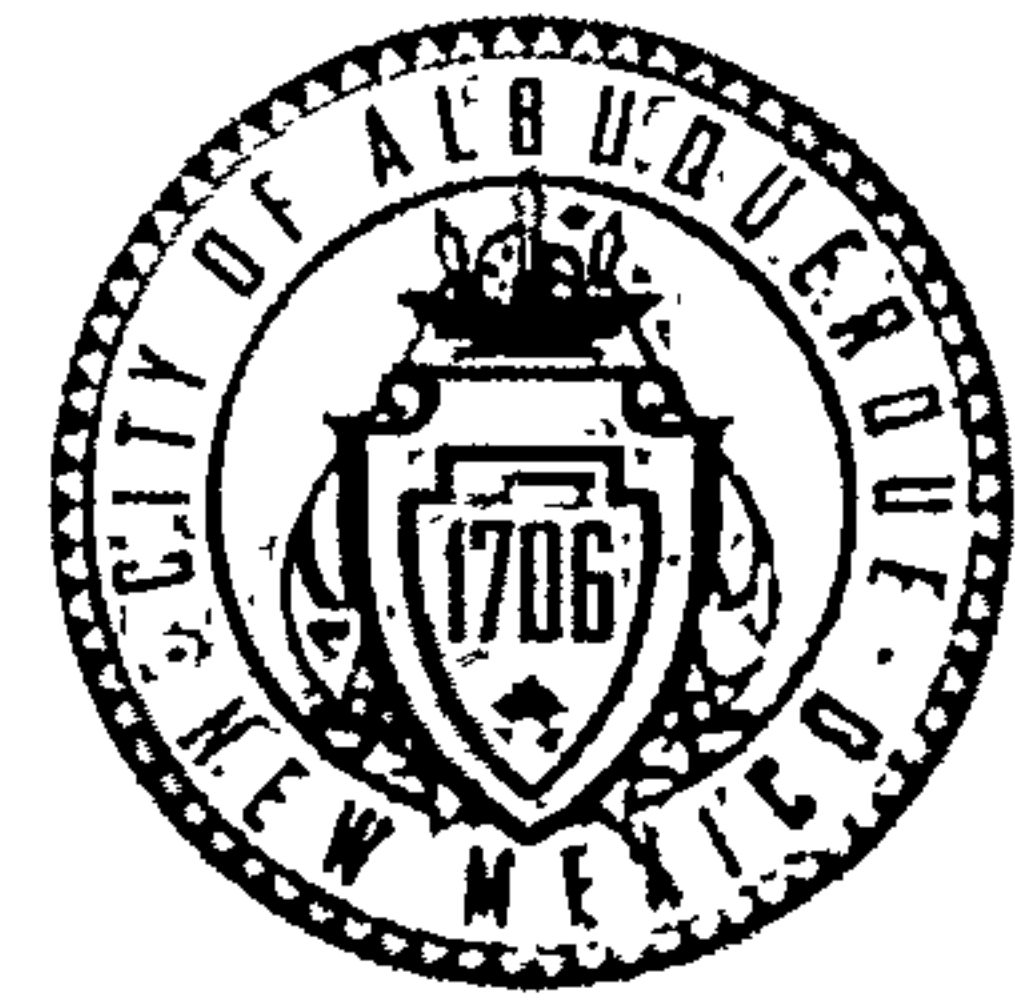
www.cabq.gov

Sincerely,

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

RR/AC
C: File

CITY OF ALBUQUERQUE



February 4, 2016

Kirk Randall
Anderson Wahlen & Associates
2010 No. Redwood Rd.
Salt Lake City, UT 84116

Re: Smith's #423 Fuel Center(Resubmittal)
5640 4th St., NW
Traffic Circulation Layout
Engineer's/Architect's Stamp dated 2-2-16 (F14-D072)

Dear Mr. Randall,

The TCL submittal received 2-3-16 is approved for Building Permit. A copy of the stamped and signed plan will be needed for each of the building permit plans. Please keep the original to be used for certification of the site for final C.O. for Transportation.

When the site construction is completed and a Certificate of Occupancy (C.O.) is requested, use the original City stamped approved TCL for certification. Redline any minor changes and adjustments that were made in the field. A NM registered architect or engineer must stamp, sign, and date the certification TCL along with indicating that the development was built in "substantial compliance" with the TCL. Submit this certification TCL with a completed Drainage and Transportation Information Sheet to front counter personnel for log in and evaluation by Transportation.

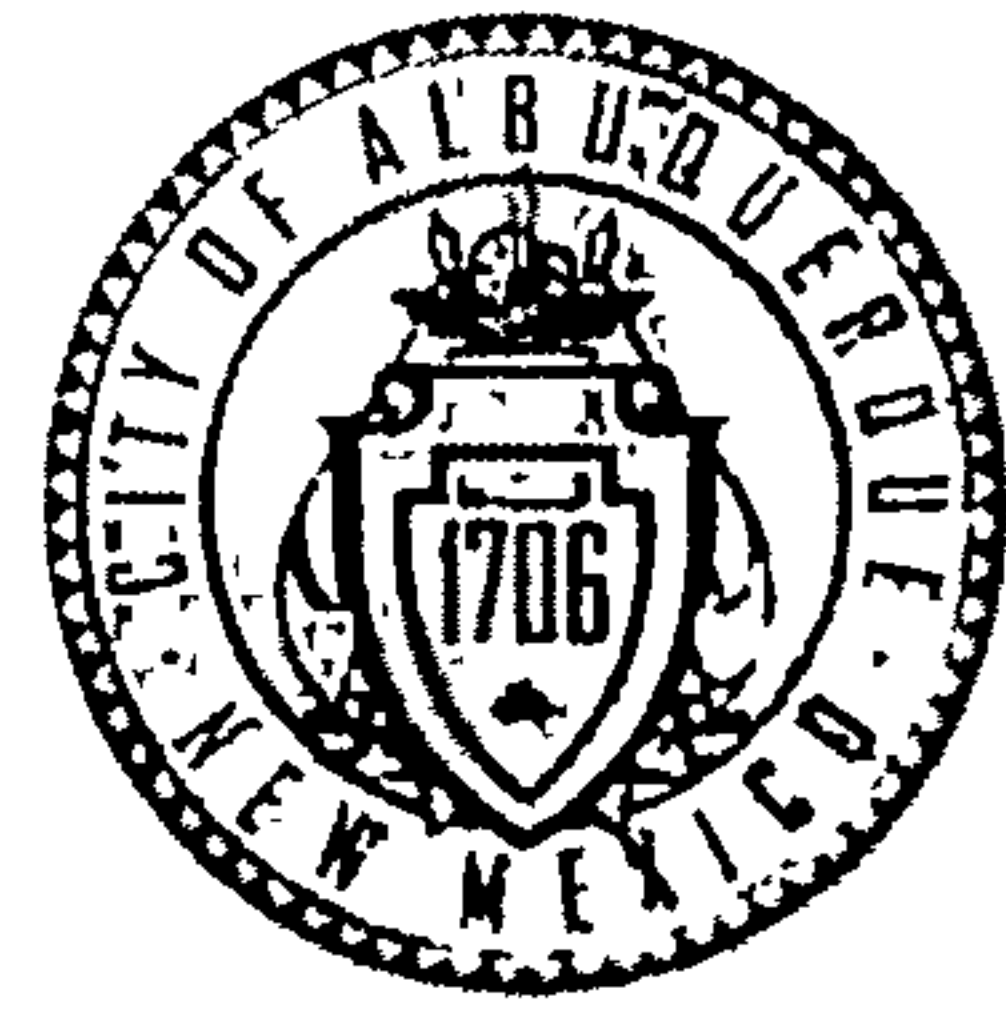
Once verification of certification is completed and approved, notification will be made to Building Safety to issue Final C.O. To confirm that a final C.O. has been issued, call Building Safety at 924-3690.

Sincerely,

Racquel M. Michel, P.E.
Traffic Engineer, Planning Dept.
Development Review Services

\gs via: email
C: CO Clerk, File

CITY OF ALBUQUERQUE



February 4, 2016

Kirk Randall
Anderson Wahlen & Associates
2010 No. Redwood Rd.
Salt Lake City, UT 84116

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Sincerely,

Racquel M. Michel, P.E.
Traffic Engineer, Planning Dept.
Development Review Services

\gs via: email
C: CO Clerk, File

ONE STOP SHOP

DEPARTMENT OF MUNICIPAL DEVELOPMENT	In-House Dial	Outside Dial
Construction Services Division (8 th Floor)		
Main Number	43690	924-3690
Permits Main Number	43400	924-3400

LEGAL DEPARTMENT - Real Estate & Land Use Division	In-House Dial	Outside Dial
Dietz, Daniel / Assistant City Attorney; City / County Building	ddietz@cabq.gov	84500 768-4500

PLANNING DEPARTMENT	In-House Dial	Outside Dial
Suzanne Lubar / Director (3 rd Floor)	sLubar@cabq.gov	43936 924-3936
Williams, Brennon / Associate Director (3 rd Floor)	bnwilliams@cabq.gov	43340 924-3340
Jones, Brandee - Reception Desk	bejones@cabq.gov	43860 924-3860
Development Services Division (Urban Design) (3rd Floor)	In-House Dial	Outside Dial
Dicome, Kym / Section Manager, EPC Planner, Pre-Application Chair	kdicome@cabq.gov	43814 924-3814

Development & Building Services Division (1st Floor West, Suite 201)	In-House Dial	Outside Dial
Biazar, Shahab / City Engineer, Division Manager	sbiazar@cabq.gov	43999 924-3999
Evans, Linda / Senior Administrative Assistant (4 th Floor, Rm 400)	levans@cabq.gov	43979 924-3979

Design Review (DRC) / Construction Section (4th Floor, Suite 400)	In-House Dial	Outside Dial
Metro, Kristal / Section Manager, Revocable / Monitor Well Permits	kmetro@cabq.gov	43992 924-3992
Garcia, Derrick / DRC Scheduler	dgarcia@cabq.gov	43975 924-3975
Vacant / Sr. Administrative Assistant, Agreement Tracking		43996 924-3996
Carruthers, Madeline / Sr. Administrative Assistant, SIA's	mcarruthers@cabq.gov	43420 924-3420
Wolfenbarger, Jeanne / DRC Chairperson	jwolfenbarger@cabq.gov	43993 924-3993
Vacant / Construction, Senior Engineer		43421 924-3421

Hydrology Development Section (1st Floor West, Suite 201)	In-House Dial	Outside Dial
Rael, Rudy / Plan Checker, Drainage Submittal Status, SO19 Permits	rrael@cabq.gov	43977 924-3977
Elliott, Stanice Totten / Plan Checker, Drainage Submittal Status, SO19 Permits	staniceelliott@cabq.gov	43982 924-3982
Carrillo, Abiel / Pr. Engineer, DRB Member	acarrillo@cabq.gov	43986 924-3986
Harmon, Rita / Sr. Engineer	rharmon@cabq.gov	43695 924-3695
Rudy Archuleta / Sr. Engineer	rparchuleta@cabq.gov	43994 924-3994

Impact Fees (1st Floor West, Suite 201)	In-House Dial	Outside Dial
Loyd, Tony / Section Manager / Impact Fee Administrator	tloyd@cabq.gov	43934 924-3934
Vonderhaar, Ron / Impact Fee Coordinator	rvonderhaar@cabq.gov	43984 924-3984

Land Development Coordination (1st Floor West, Suite 201)	In-House Dial	Outside Dial
Cloud, Jack / Section Manager / DRB Chairperson	jcloud@cabq.gov	43880 924-3880
Gomez, Angela / DRB Administrative Assistant	agomez@cabq.gov	43946 924-3946
Ortiz, Annette / Publications	annetteortiz@cabq.gov	43861 924-3861
Segura, Vanessa / Front Counter	vsegura@cabq.gov	43895 924-3895
Vacant / Development Facilitator	@cabq.gov	43933 924-3933

Transportation Development Section (1st Floor West, Suite 201)	In-House Dial	Outside Dial
Michel, Racquel / Section Manager, DRB Member	rmichel@cabq.gov	43991 924-3991
Gurule, John / Sr. Engineer, TIS Forms	jgurule@cabq.gov	43630 924-3630
Ortiz, Monica / Plan checker	mortiz@cabq.gov	43981 924-3981
Sandoval, Gary / TCL, Curbcuts	qlsandoval@cabq.gov	43675 924-3675

Utility Development / New Services Section (WUD) (1st Floor West, Suite 201)		Outside Dial
Cadena, Kris / Section Head, DRB Member	Kcadena@abcwua.org	289-3301
Cynova, Tim / Senior Eginer	TCynova@abcwua.org	289-3040
David Gutierrez / Water & Sewer Availability, Fire flow Computations and Analysis	Dggutierrez@abcwua.org	289-3307
New Services Main Number		842-9287

CITY OF ALBUQUERQUE

Planning Department
Suzanne Lubar, Director



Mayor Richard J. Berry

January 28, 2016

Kirk Randal, P.E.
Anderson Wahlen & Associates
2010 North Redwood Road
Salt Lake City UT 84116

**RE: Smith's #423 Fuel Center
5640 4th St NW
Grading and Drainage Plan
Engineers Stamp Date 1/26/16 (F14D072)**

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PO Box 1293

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Albuquerque

New Mexico 87103

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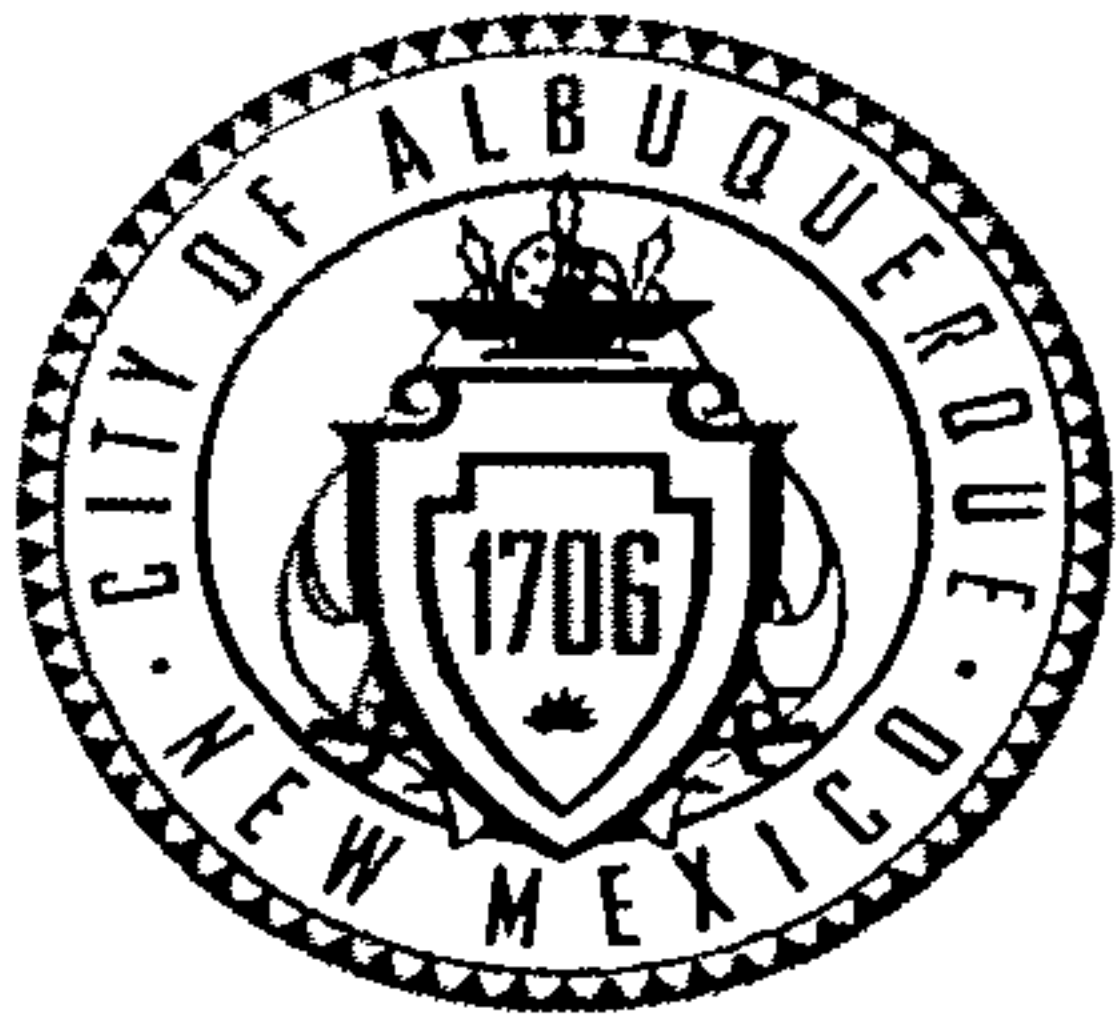
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www.cabq.gov

Sincerely,

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

RR/AC
C: File



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

Project Title: Smith's #423 Fuel Center Building Permit #: _____ City Drainage #: F14- D072
DRB#: _____ EPC#: _____ Work Order#: _____
Legal Description: Lots 2, 3 & 4 Harper Addition
City Address: 5640 4th Street NW

Engineering Firm: Anderson Wahlen & Associates Contact: Kirk Randall
Address: 2010 North Redwood Road, Salt lake City, UT 84116
Phone#: 801-410-8520 Fax#: 801-521-9551 E-mail: kirk@awaeng.com

Owner: Smith's Food & Drug Centers, Inc. Contact: Roger Gough
Address: 1550 South Redwood Road, Salt Lake City, Ut 84104
Phone#: 801-974-1529 Fax#: 801-974-1628 E-mail: roger.gough@sfdc.com

Architect: _____ Contact: _____
Address: _____
Phone#: _____ Fax#: _____ E-mail: _____

Surveyor: _____ Contact: _____
Address: _____
Phone#: _____ Fax#: _____ E-mail: _____

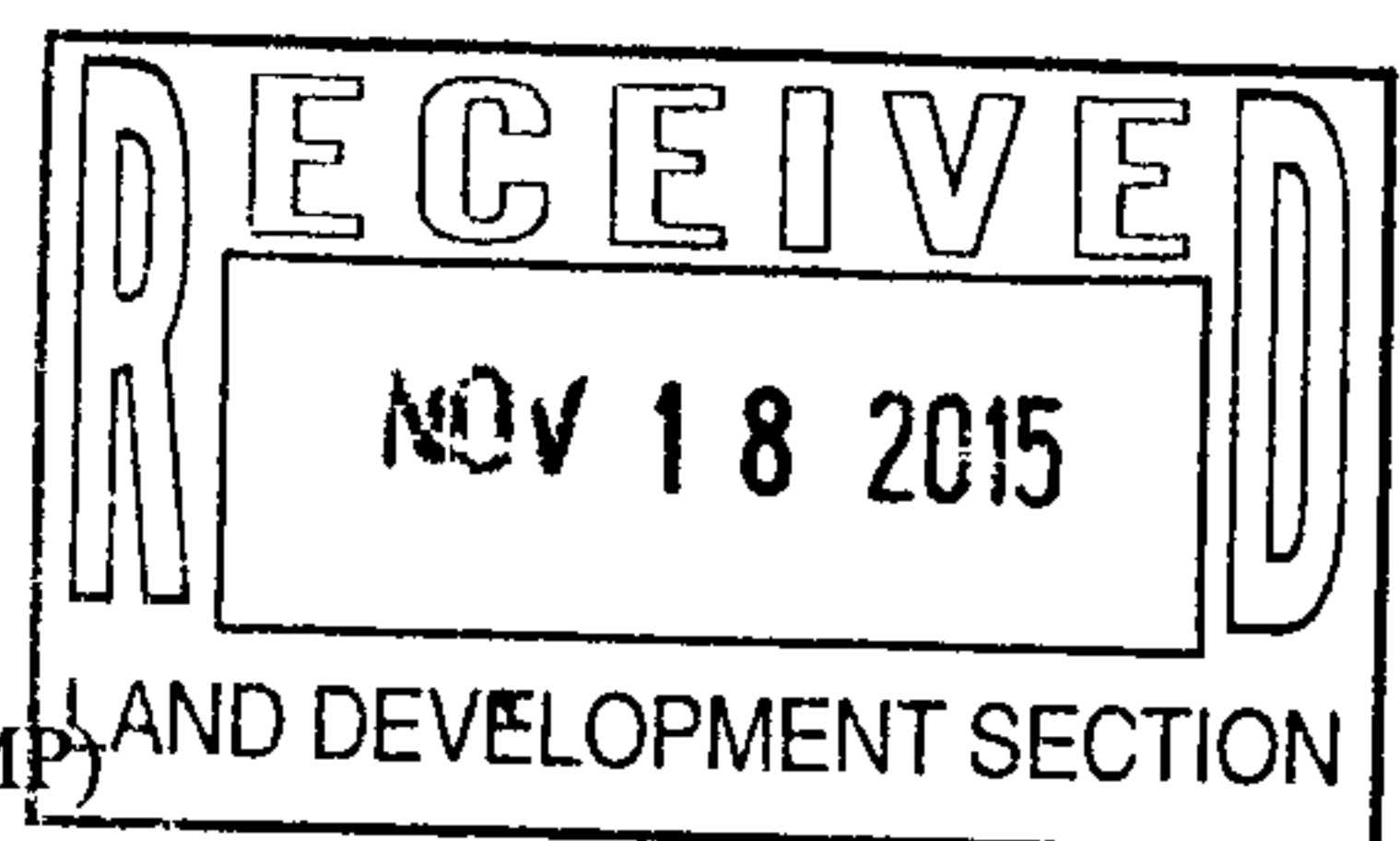
Contractor: _____ Contact: _____
Address: _____
Phone#: _____ Fax#: _____ E-mail: _____

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)
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☒ 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: 11-18-2015 By: Kirk Randall

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
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Drainage Submittal

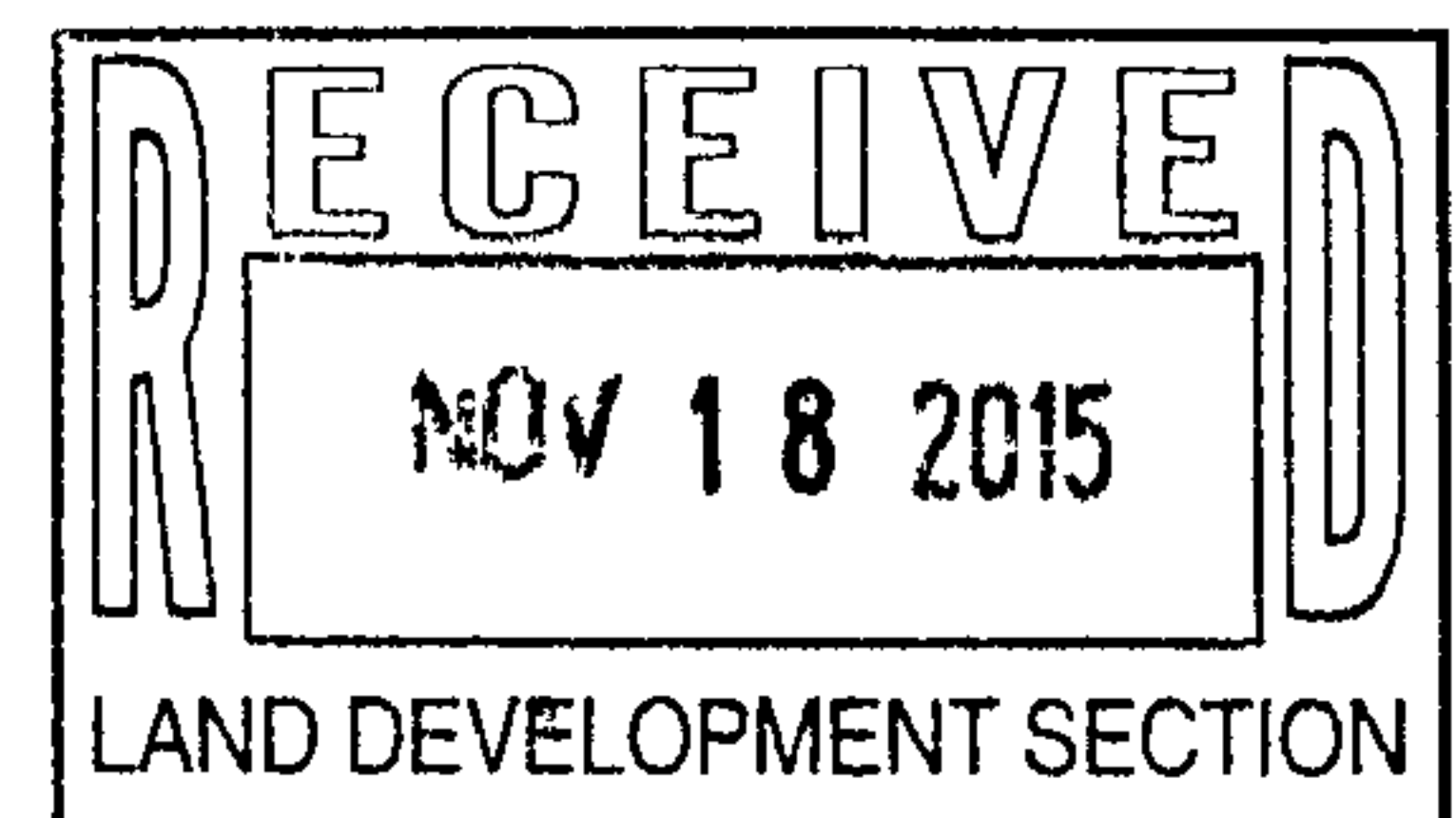
for

Smith's #423 - Fuel Center

5640 4th Street
Albuquerque, NM
November 3, 2015



Prepared for:
Smith's Food & Drug Stores
1550 South Redwood Rd.
Salt Lake City, UT 84104



ANDERSON WAHLEN & ASSOCIATES

———— Great Basin Engineering South ————

2010 North Redwood Road • P.O. Box 16747 • Salt Lake City, Utah 84116
(801) 521-8529 • (801) 394-7288 • Fax (801) 521-9551

Table of Contents

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Water Block Design	5
2-Year Storm On-Site Retention	6
Oil Water Separator	6
Storm Drain Pipe Sizing	7
Conclusion	8

Appendix

- Vicinity Map
- FEMA Flood Insurance Rate Map
- Final Demolition Plan
- Final Grading & Drainage Plan
- Final Utility Plan
- Peak Runoff Calculations per City of Albuquerque Development Process Manual (DPM)
- Volume Calculation for On-site Management & Retention of 90th Percentile Storm Events for Contributing Impervious Areas

Introduction

Smith's Food & Drug is proposing the addition of a fuel center at the southeast corner of Gene Avenue and 4th Street, NW, more particularly located at 5640 4th Street. The purpose of this report is to:

- Determine the peak flows that will result by developing the proposed site.
- Describe on-site surface and right-of-way improvements that will convey flows to Gene Avenue.
- Determine the volume of storm water retention storage needed to manage the 90th percentile storm event for contributing impervious areas.
- Determine adequate sizing of storm drainage piping and improvements.

Background

The proposed site and re-development plan will occupy one existing parcel. The existing use of the parcel is an existing convenience store/gas station. The parcel to the south is FALLAS Discount Store and the eastern parcel is a single family resident. The site is bordered by an existing home to the east, a discount store to the south, 4th Street to the west and Gene Avenue to the north. The drainage from the site sheet flows to the northeast into Gene Avenue. There is a 36" storm drain in Gene Avenue on the north with a catch basin in front of the home to the east.

The existing property is comprised of impervious surface improvements covering roughly 90 percent of the site area. The remaining 10 percent of the site is landscaped with various plants, trees and ground cover around the perimeter.

The storm water runoff generated on-site drains to the northeast to Gene Avenue via an existing vehicle access point to the existing curb and gutter. Storm water discharges from the subject site into Gene Avenue combine with existing street runoff and adjacent private property and are conveyed via the gutter system for approximately 30 lineal feet to the east. Gene Avenue curb flows enter an existing storm drain catch basin at this location.

Flood Hazard Certification

Floodplain information published for the site in the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) for Bernalillo County, New Mexico and Incorporated Areas, Community Panel Number 35001C0119G, dated September 26, 2008 (See Appendix) provides flood zone designation information. The subject site is located in Zone X (not shaded) which is defined as, "Areas determined to be outside the 0.2% annual chance floodplain." The site does not lie within a Flood Hazard Area as shown on the Federal Emergency Management Agency (FEMA) maps requiring no further flood-proofing or other flood mitigation.

Hydrologic Analysis

Design Storm: The site is located within Precipitation Zone 2 being in the area lying between Rio Grande and San Mateo as specified in Chapter 22, Section 2(A.1 & A.2) of the City of Albuquerque Development Process Manual (DPM). The principal design storm is the 100-year 6 hour event defined by the National Oceanic and Atmospheric Administration (NOAA) Atlas 2, Precipitation-Frequency Atlas of the Western United States, Vol. IV – New Mexico. Detention basin/retention basin designs are not proposed; however, the management requirement for the 90th percentile storm event for contributing impervious areas does provide a small on-site below grade retention system. Larger detention/retention systems are not proposed and therefore longer duration design storms are not considered in this analysis. Accordingly, the rainfall depths of interest for design purposes are the 10-Year, 6-Hour storm with a design depth of 1.57 inches and the 100-Year, 6-Hour storm with a design depth of 2.35 inches.

Land Treatments: The existing site contains 22,111 square feet (0.51 acres) of commercial designated land uses constructed with a small portion of pervious surface being primarily landscape with some trees and shrubs upon 3,370 square feet (0.077 acres) with the remainder of the site being impervious roof, concrete and asphalt paved surfaces over 18,741 square feet (0.43 acres). On-site existing Land Treatments defined in Chapter 22, Section 2(A.3) of the City of Albuquerque DPM are Land Treatment Type C for pervious soil compacted by human activities areas and Type D for impervious areas, pavement and roof. Existing site conditions are 15 percent Type C and 85 percent Type D Land Treatment Types. The proposed site conditions will consist of roughly the same 15 percent pervious landscaped areas (Land Treatment Type C) and 85 percent impervious surfaces (Land Treatment Type D).

$$(0.85)(0.51) = 0.43 \text{ ac}$$

Excess Precipitation & Volumetric Runoff: Excess precipitation (runoff) is the depth of precipitation discharged after the initial volume of rainfall retained on the ground surface as depression storage and infiltration has been subtracted from the design storm unit hydrograph. The majority of the existing site is covered by impervious surfaces designated Land Treatment D. Land Treatment C (compacted by human activities landscape) is projected to generate 0.52 inches of excess precipitation for a 10-Year, 6-Hour Storm and 1.13 inches of excess precipitation for a 100-Year, 6-Hour Storm within Precipitation Zone 3. Land Treatment D (impervious surfaces) are anticipated to generate 1.34 inches excess precipitation for a 10-Year, 6-Hour Storm and 2.12 inches of excess precipitation for a 100-Year, 6-Hour Storm within the same Precipitation Zone.

The volume of runoff or excess precipitation has been calculated by summing the depth of rainfall over the two established land treatment types. The excess precipitation depth, volume and peak discharge generated by the existing developed and proposed developed site conditions are summarized in Table 1.

Table 1 - Existing Developed and Proposed Developed Excess Precipitation Volumes & Peak Discharge Rates.

	Excess Precipitation (Inches)	Volumetric Run-off (Acre-Feet)	Peak Discharge (cfs)
Existing Developed			
2-YR(90 th Percentile)	0.34	(Not Built)	N/A
10-Year, 6-Hour	1.22	0.05	1.48
100-Year, 6-Hour	1.97	0.08	2.27
Proposed Developed			
2-YR(90 th Percentile)	0.34	0.0144	N/A
10-Year, 6-Hour	1.22	0.05	1.48
100-Year, 6-Hour	1.97	0.08	2.27

Final Demolition, Grading & Drainage and Utility Plans for the subject site have been provided for further review and consideration in the Appendix.

Proposed Conditions

Proposed site conditions involve removing an existing gas station/convenient store into a developed site with slightly less landscaped (20 sf) area than the previous developed condition. This slight decrease in landscaped surface areas has no effect on the proposed design site precipitation depth, volume of runoff and peak discharge as depicted in Table 1.

Due to the nature of the commercial use being a fuel center, the drainage system is designed to isolate possible fuel spillage from the on-site drainage system. While all protective measures and safety precautions will be implemented, discharge from under the canopy fueling areas will pass through a 900 gallon oil/water separator prior to discharge to the existing 36" storm drain in Gene Avenue. Should containment be required, such flows are more easily contained, managed and removed from the clean out box prior to entering the storm drain pipe in Gene Avenue. Roof drains and other paved areas are graded such that storm drain runoff will be captured by an on-site retention system sized to manage the 90th percentile storm event discharge from impervious areas. Retained 90th percentile storm flows will percolate into the ground via a below grade retention system. Storm drain flows exceeding the provided 90th percentile storm retention volume will flow through the on-site system to the existing 36" storm drain in Gene Avenue (See Appendix – Utility Plan).

All storm water runoff flows not entering the spill containment area will be conveyed as surface flow to the 90th percentile storm water retention basin. Once filled, the retention basin will overflow to a discharge pipe to the existing storm drain in Gene Avenue for the duration of the storm event. Overflow curb and gutter flows will be directed to Gene Avenue via the proposed drive approach located in the northeast corner of the site.

Water Block Design

Proposed drive approach locations will be constructed with water blocks. The existing drive approach onto 4th Street will remain in the same location. The grade behind the sidewalk will be 10.5 inches higher than gutter to maintain the required water block elevation. The topography of the site is such that the finished elevations at the right-of-way/property line along 4th Street is greater than 10.5 inches than the gutter.

The proposed drive approach into the site from Gene Avenue will be in the same location as the existing drive approach. This existing access point is at the low point of the site. The grading of the site provides an elevation of greater than the 10.5 inches water block.

Depth of flow calculations for 4th Street & Gene Avenue may be determined upon request. Due to the quantification of tributary flows from other adjacent developments being beyond the scope of this analysis, a gutter depth of flow analysis has not been completed for 4th Street and Gene Avenue at this time.

2-Year Storm On-Site Retention

Proposed site storm water improvements include specific storm water facilities for the management of the 90th Percentile Storm Event by retaining the volume of water generated by this event on-site. These facilities retain the “first flush” and control runoff generated by contributing impervious surfaces. First Flush is defined by the City of Albuquerque as the storm water runoff during the early stages of a storm equal to or less than runoff from the 90th Percentile Storm Event that can deliver a potentially high concentration of pollutants due to the washing effect of runoff from impervious areas directly connected to the storm drainage system. The method of determining this volume to be retained is determined by the Rational Method as described in the City of Albuquerque, New Mexico Development Process Manual Volume-II Design Process Manual, Chapter 22 Drainage, Flood Control and Erosion Control, Section 2 Hydrology.

Proposed Site Impervious Area = 18,761 sf

90th Percentile (2-Year) Storm Depth = 0.44 inches

Initial Abstraction – Treatment Type D – impervious = 0.1 inches

Depth of Direct Runoff = (0.44 inches – 0.10 inches) = 0.34 inches

Volume of Direct Runoff = (0.34 inches) * (1 ft/12 inches) * (18,761 sf)
= 627 cubic feet ✓

First Flush Retention Facility: StormTech Subsurface Storm Water Management
MC4500 Chamber, endcaps, pipes, catch basins, and
cleanout manholes.

Volume Provided: MC 4500 End cap & section volume = 868 cf

A copy of the final Utility Plan has been provided in the Appendix for more information regarding the configuration of the piping, catch basins, cleanout manholes and StormTech Chambers.

Oil Water Separator

Proposed Utility Plans provide for the installation of an “Oldcastle Precast Oil / Water Separator 577-SA 900 Gallon – American Petroleum Institute (API) Style” oil water separator. This oil water separator provides a 900 gallon maximum volume oil water separator with a 67 gallon per minute flow rate at 15 minute retention time capacity. More simply stated, the design flow rate is a slightly greater volume of water generated by dumping thirteen five gallon buckets of water every minute under the canopy area. The maximum oil storage volume provided is 500 gallons.

The subject oil water separator is specified to only treat under canopy or covered concrete pavement area drainage flows which consists of a number of possible sources, such as: wind-blown rainfall under the canopy; excessive parking area runoff passing under the canopy, water main breaks, small fuel spills during vehicle fueling, moisture dripping from parked cars being fueled under the canopy during rain/snow events and other maintenance flows that may periodically pass through the separator. The separator is designed to provide separation for minor fuel spills, water dripping from vehicles and wind-blown rainfall under the canopy.

The separator is connected to the under canopy catch basin by 6-inch diameter polyvinyl chloride storm drain piping with a capacity of 4.5 cfs or 2,020 gpm (wider flow) to 1.0 cfs or 449 gpm (orifice flow) depending on the amount of water ponded above the inlet pipe and the cleanliness of the pipe opening at the time of discharge. Treated flows are discharged to the fronting Gene Avenue storm drain. Oil water treatment during greater than design flow events would not result in oil / water separation treatment. Conveyed flows exceeding treatment capacity will pass through the separator to the fronting roadway curb and gutter until such time that the flow capacity returned to design conditions. Ponding over the catch basin inlet will only reach a depth of 3 inches. Ponded depths greater than 3 inches above the grate will spill from under the canopy and travel over asphalt and concrete surfaces to the fronting roadway.

Accordingly, the oil / water separator is considered adequately sized for under canopy or covered drainage areas for the design center under canopy drainage operations and provides an initial form of fuel spill containment isolation of 500 gallons and oil / water separation for flows less than 67 gallons per minute with 15 minute retention time.

Storm Drain Pipe Sizing

Storm drain pipe sizing is typically designed to convey the minor storm event or events equal to or less than a 10-Year Return Period peak discharge rate. The site is broken into drainage areas tributary to catch basins for the management of the 90th percentile storm event, roof drains, under canopy drainage and spill containment areas. Each area

tributary to the catch basins is comprised of drainage areas smaller than the overall site thereby generating flows less than the overall site design. Discharge exceeding provided pipe and inlet capacities will be conveyed to the fronting roadway without flooding on-site and off-site facilities. **The proposed site 10-Year, 6-Hour Storm peak discharge flow rate for the entire site is 2.27 cubic feet per second.** Discharge capacities for 12-inch diameter pipes constructed at 0.5% provide a full flowing pipe capacity of 3.27 cubic feet per second. The pipes provided will convey the tributary 10-Year, 6-Hour storm peak flow rates.

Storm flows exceeding the capacity of the 12" pipe discharging to the Gene Avenue storm drain pipe will bubble out of the on-site curb inlets, flow to the on-site 90th Percentile Storm Water Management retention basin until full and then spill out to the fronting Gene Avenue curb and gutter via the proposed drive approach.

Conclusion

This analysis has been prepared in accordance with the requirements and specifications of Section 22.2 of the DPM. Existing developed conditions at the site generate a historical flow to the storm drain system in Gene Avenue that will not be exceeded by the proposed development. Historic excess precipitation and the accompanying volume of excess precipitation and peak flow rates are about the same. Treatment of runoff from under the fuel center canopy will occur by passing under canopy flows through an oil/water separator as shown on the Final Utility Plan (See Appendix).

Appendix

Vicinity Map

Smith's #423 Fuel Center

***Gene Avenue N.W. & 4th Street N.W.
Albuquerque, New Mexico***



Project Location

Vicinity Map
Zone Atlas Page F-14
Albuquerque, NM
Not to Scale



FEMA Flood Insurance Rate Map

The study is the first to systematically test National Flood Insurance Program claims for incorrectly assigned risk status subjecting property to potentially higher rates. The study found that the majority of risk misassignments would be corrected by randomly selecting a national flood hazard information

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Certain points must be emphasized. First, because there may be information by date needed at various times in Volume 2 or "First Response Manual," it is good practice to study under the information in each listed document.

W. Dale Armstrong

The production yield of the populations of this field, with two double dose plants, was not significantly different ($P = 0.05$) against the control. There was no significant effect of the number of plants per field on the yield of the field. The results in eight different experiments in 1968, 1969 and 1970, for different populations, are given in Table 1. The results show that the yield of the field is not significantly affected by the number of plants per field. The yield of the field is not significantly affected by the number of plants per field. The yield of the field is not significantly affected by the number of plants per field.

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The study is the first to systematically test National Flood Insurance Program claims for potentially inflated amounts and to examine subjects' property insurance policies. The study found that the majority of subjects' property insurance policies were not properly updated to reflect the National Flood Insurance Program's requirements. The study also found that the majority of subjects' property insurance policies were not properly updated to reflect the National Flood Insurance Program's requirements.

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W. Dale Armstrong

The present study is the first population of this field, with two female birds. Data for the population of 1994 (100% male) and 1995 (98% male) are available. The present study was designed to test the hypothesis that the accuracy of the FISH assay for identifying male and female birds is affected by the sex of the bird. The results of the present study are compared to the results of the 1994 and 1995 studies.

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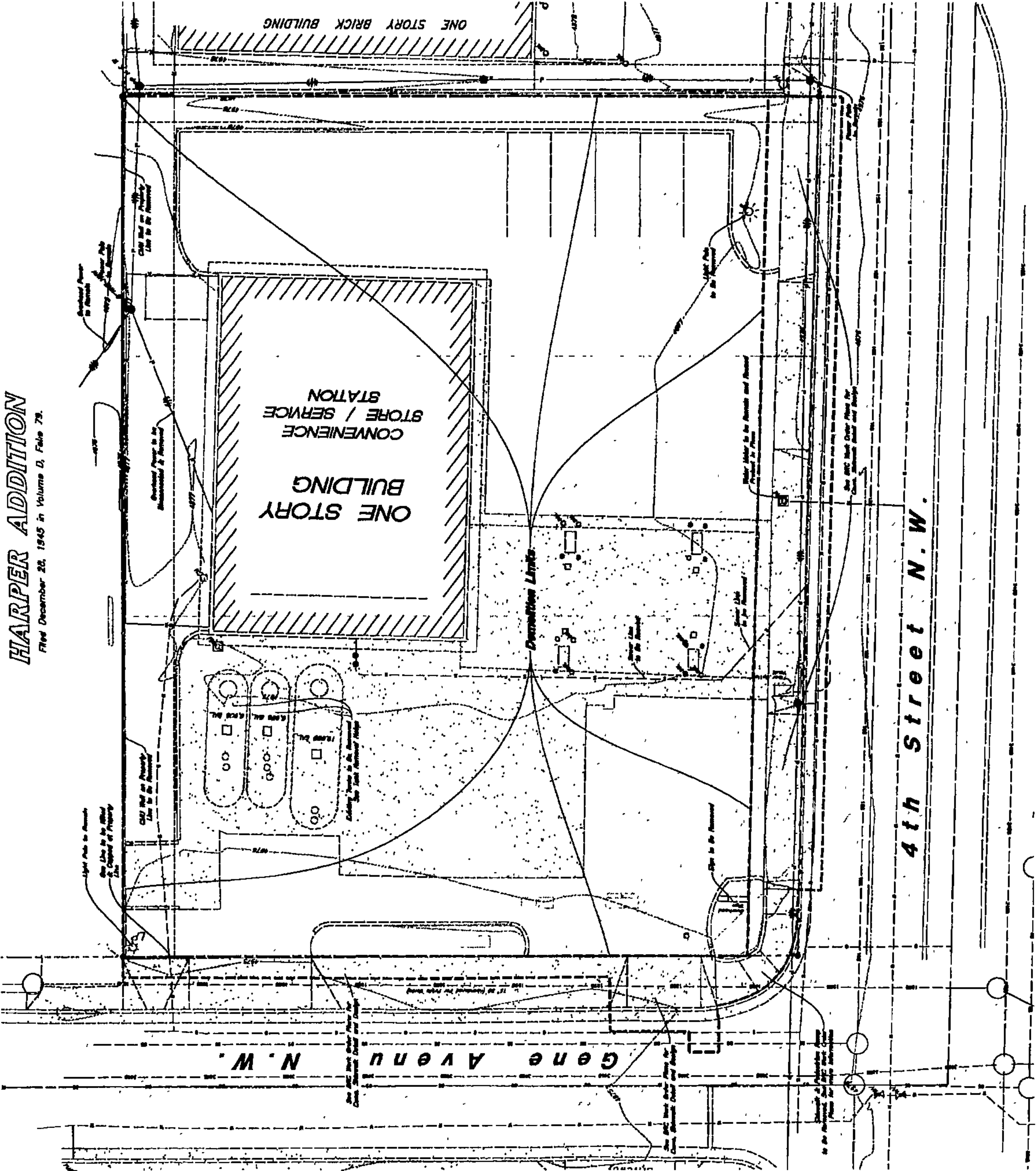
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RECEIVED BY THE DIRECTOR, FBI, 11/15/68

[illegible][illegible]

Final Demolition Plan
Final Grading & Drainage Plan
Final Utility Plan

Filed December 28, 1945 in Volume D, Folio 79.

[illegible]

Tank Remover and Cleanup with Kroger's Recommended Practice for Removal of Underground Petroleum Storage Tanks* Found in the Project Awarded as the Subcontractor

Prior to Tank System Removal, the New Mexico Environment Department Publichouse Storage Tank Bureau (NMED-PSTB) Should be Notified a Minimum of 30 Days in Advance of a Removal Permit and Information Located at: <http://www.enr.state.nm.us/est/permits.html>. Minimum Required Sampling

- [illegible]

Confirmation of Actual Soil Lead Levels + required Analyses Should be Confirmed with the MUED-ESTB at the Time of the Remed.

COMMENT :

The Institute and/or advocates of smoking continue to stress on three points as based on results of the various costly experiments and share possible, inconspicuously false in the field. The information is not to be relied on as being correct or accurate.

Smith's
FOOD & DRUG STORES
#423
Albuquerque, NM

CO.1

Demoition Plan



ANDERSON WAHLEN & ASSOCIATES
2010 North Redwood Road, Suite 100, Upland, CA 91786

[illegible]



General Grading Notes:

- [illegible]

Club and Gutter Construction Notes:

1. *From your point of view, what are the most important factors that influence the development of a country?*
2. *What factors are most important in determining a country's economic growth?*
3. *What factors are most important in determining a country's social development?*
4. *What factors are most important in determining a country's political development?*
5. *What factors are most important in determining a country's cultural development?*
6. *What factors are most important in determining a country's environmental development?*
7. *What factors are most important in determining a country's technological development?*
8. *What factors are most important in determining a country's human development?*
9. *What factors are most important in determining a country's economic development?*
10. *What factors are most important in determining a country's social development?*
11. *What factors are most important in determining a country's political development?*
12. *What factors are most important in determining a country's cultural development?*
13. *What factors are most important in determining a country's environmental development?*
14. *What factors are most important in determining a country's technological development?*
15. *What factors are most important in determining a country's human development?*

Smith's
FOOD & DRUG STORES
423
Albuquerque, NM

Albuquerque, NM

Assessable Notes

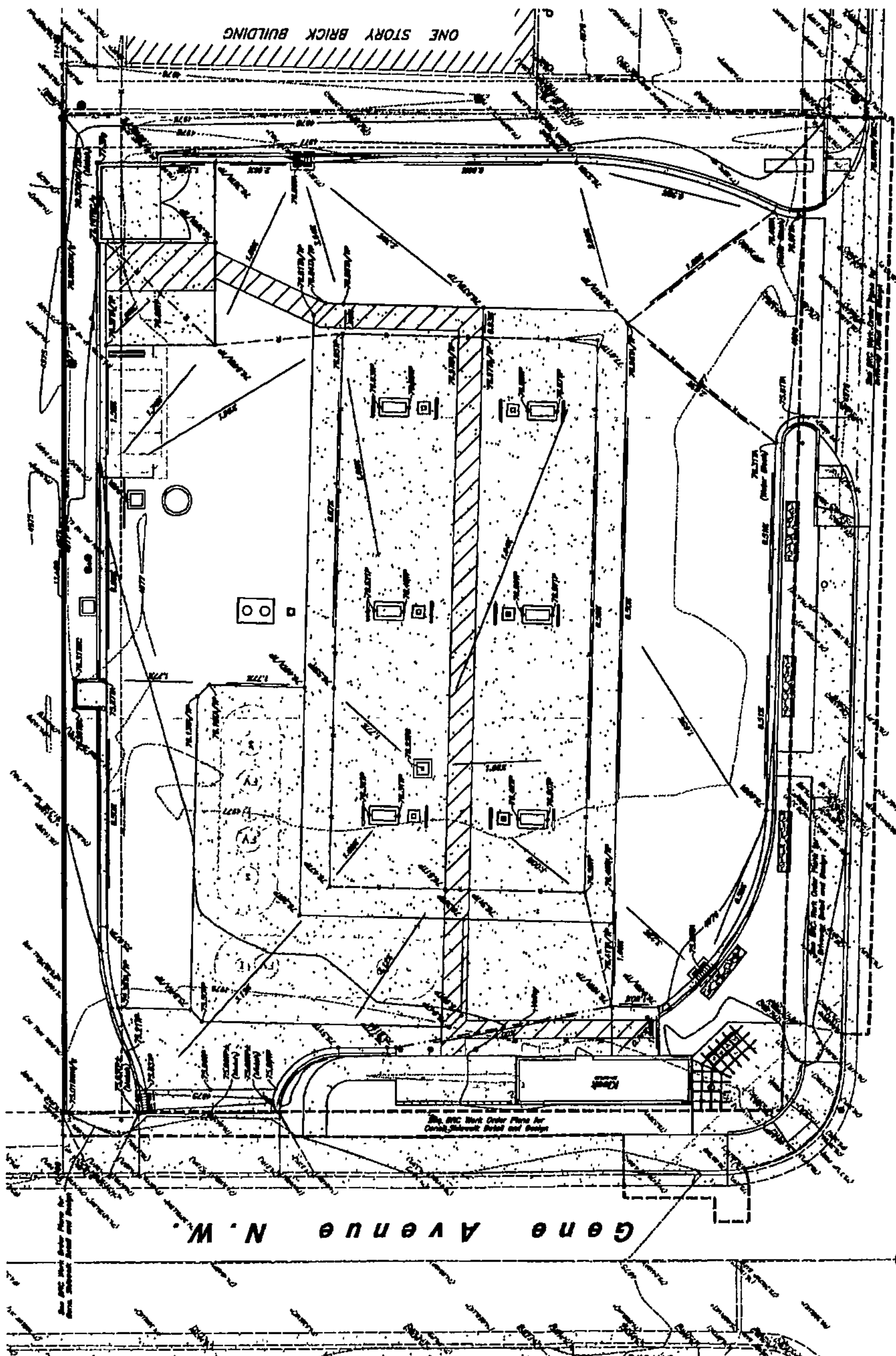
Creditors must receive a readily obtainable assessment on average from 4.8% (24%). The average assessment on the company was 10% on a balance from 2.8% (19%). All assessable notes must have a provision after 180 days of 30% of the balance on notes on not need the replacement note.

The Chief Executive and Shareholder should be responsible for the safety of any members of the company. The company should be responsible for the safety of the company and the safety of the company.

New Mexico One Call Inc.



1-800-321-ALERT



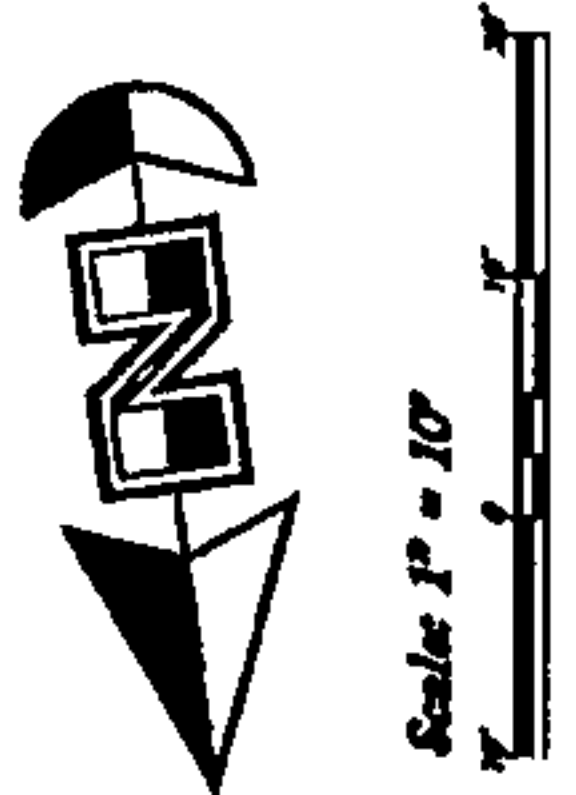
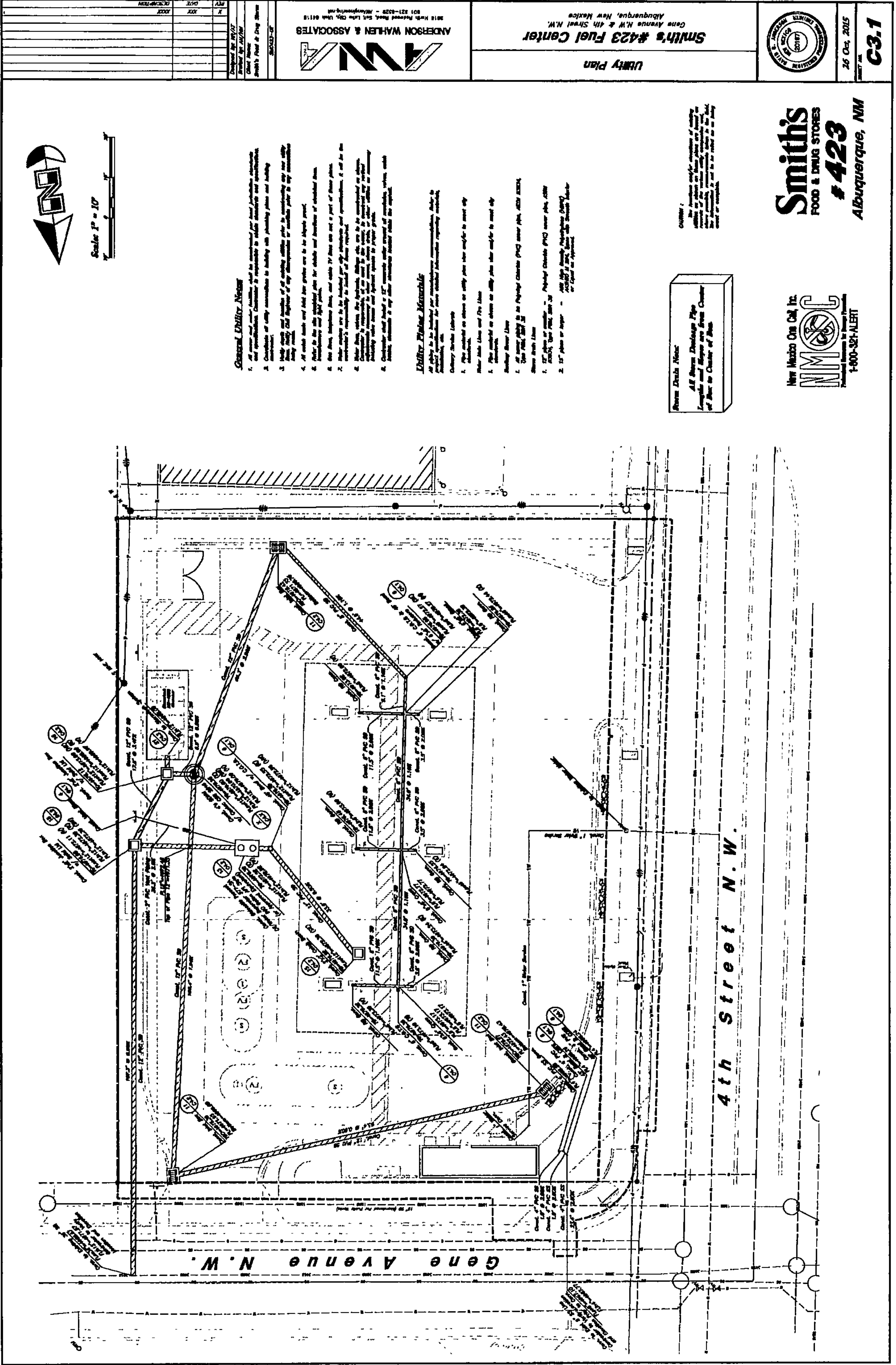
Task Depth of Bury Calculations			
DESCRIPTION			LEWIST ISLAND
1	Elevation at Top of Island		4876.38
2	Min. Slope of Flap = 1:1.5	12	4873.87
3	Width of Flap = 6'	2.2	6
4	Diaperman's Island		
5	Calculate One Step	6'	6.6
6	Peak Cover	6'	
7	Peak Cover	5'	
8	Thick Cover	5'	
9	Thick Cover	5'	
10	Total	32'	2.75
11	Total	32'	6
12	Grade Calculated = (10' x 3)	4.50	3.25
13	Total = 4876.38 - 4.50	4871.82	4873.01
14	Top of Trench = Lowest Calculated Elevation		4871.82
15	Top of Trench = Lowest Calculated Elevation		4871.82
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Thank Installation Name

7. Contractor shall verify that a minimum of 12 steps is provided on all of major staircases that form the LRT to the level.

Filter Fabric Notes:

- The authors of *How and Why* are to be congratulated for their excellent and timely work. The book is a valuable addition to the literature of the history of the United States.



General Utility Notes

1. All water and sewer facilities shall be constructed per local jurisdiction requirements and specifications. Contractor is responsible to obtain standards and specifications.
2. Conditions of utility connections to building are shown on plan and existing utility lines.
3. All utility lines shall be installed in accordance with local jurisdiction requirements and specifications.
4. All utility lines shall be installed in accordance with local jurisdiction requirements and specifications.
5. All utility lines shall be installed in accordance with local jurisdiction requirements and specifications.
6. All utility lines shall be installed in accordance with local jurisdiction requirements and specifications.
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Utility Notes

1. All utility lines shall be installed in accordance with local jurisdiction requirements and specifications.
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9. All utility lines shall be installed in accordance with local jurisdiction requirements and specifications.
10. All utility lines shall be installed in accordance with local jurisdiction requirements and specifications.

Storm Drain Notes
 All Storm Drainage Pipes
 Lengths and Slopes are Based
 on Data of Owner of Plot.

Owner's Note
 The Engineer accepts no responsibility for any errors or omissions in this plan or for any consequences arising therefrom. The Engineer's responsibility is limited to the design of the utility system shown on this plan.

New Mexico One Call, Inc.
 1-800-321-ALERT

Smith's
 FOOD & DRUG STORES
#423
 Albuquerque, NM

Smith's #423 Fuel Center
 Gene Avenue N.W. & 4th Street N.W.
 Albuquerque, New Mexico

ANDERSON WAHLER & ASSOCIATES
 2018 North Riverside Road, Suite 100, Santa Fe, NM 87505
 505-821-5225 - Mobile/Cell 505-821-5226

REV	DATE	DESCRIPTION
1	01/10/10	Initial Design
2	02/10/10	Revised Design
3	03/10/10	Final Design
4	04/10/10	As-Built

C3.1
 26 Oct. 2015

Peak Runoff Calculations
Per
City of Albuquerque Development Process Manual (DPM)



ANDERSON WAHLEN & ASSOCIATES
Great Basin Engineering South

SHT 1

Project Name SMITH'S #423 FUEL CENTER Date 30 SEPT 2015

SITE ADDRESS = 5640 4TH STREET

(PRECIPITATION ZONE 2)

EXISTING SITE CONDITIONS:

PERVIOUS AREA : 3,370 SF (15%) TREATMENT TYPE C

IMPERVIOUS AREA : 18,741 SF (85%) TREATMENT TYPE D

TOTAL AREA 22,111 SF = 0.51 AC

PROPOSED SITE CONDITIONS:

PERVIOUS AREA : 3,350 SF (15%) TREATMENT TYPE C

IMPERVIOUS AREA : 18,761 SF (85%) TREATMENT TYPE D

TOTAL AREA : 22,111 SF = 0.51 ACRES

EXCESS PRECIPITATION & VOLUMETRIC RULOFF

EXISTING SITE CONDITIONS : EXCESS PRECIP. - TABLE A-B
ZONE 2 - 10YR 6HR

TREATMENT TYPE C : 0.52 IN
TREATMENT TYPE D : 1.34 IN

10YR, 6HR
EXISTING:

$$E_w = \frac{0.52(3370) + 1.34(18741)}{22,111}$$

$$= 1.22 \text{ IN}$$

100 YR, 6HR
TREATMENT TYPE C : 1.13 IN
TREATMENT TYPE D : 2.12 IN

$$V = \frac{1.22 \text{ IN} (22,111 \text{ SF}) \left(\frac{1 \text{ AC}}{43560 \text{ SF}} \right) \left(\frac{1 \text{ FT}}{12 \text{ IN}} \right)}{360-10} = \underline{\underline{0.05 \text{ AC-FT}}}$$

$$E_w = \frac{1.13(3370) + 2.12(18741)}{22,111}$$

$$= 1.97 \text{ IN}$$

$$V = \frac{1.97 (22,111) \left(\frac{1}{43560} \right) \left(\frac{1}{12} \right)}{360-100} = \underline{\underline{0.08 \text{ AC-FT}}}$$



ANDERSON WAHLEN & ASSOCIATES

Great Basin Engineering South

SAT 2

Project Name SMITH'S #423 FUEL CENTER

Date 30 SEPT 2015

EXISTING SITE CONDITIONS

$$V_{360-10} = \underline{0.05 \text{ AC-FT}}$$

$$V_{360-100} = \underline{0.08 \text{ AC-FT}}$$

PROPOSED SITE CONDITIONS

$$E_w_{360-10} = \frac{0.52(3350) + 1.34(18761)}{22111} = 1.22 \text{ in}$$

$$V_{360-10} = \frac{1.22(22,111)}{43560 \times 12} = \underline{0.05 \text{ AC-FT}}$$

$$E_w_{360-100} = \frac{1.12(3350) + 2.12(18761)}{43560 \times 12} = 1.97 \text{ in}$$

$$V_{360-100} = \frac{1.97(22,111)}{43560 \times 12} = \underline{0.08 \text{ AC-FT}}$$

PEAK DISCHARGE RATE FOR SMALL WATERSHEDS (A.6)

ASSUME: $t_c = 12 \text{ MIN}$

ZONE 2

TABLE A-9 PEAK DISCHARGE (CFS/AC)

10 YR 6 HR

TREATMENT TYPE C : 1.71

TREATMENT TYPE D : 3.14

100 YR 6 HR

TREATMENT TYPE C : 3.14

TREATMENT TYPE D : 4.70



ANDERSON WAHLEN & ASSOCIATES

Great Basin Engineering South

SHT 3

Project Name SMITH'S #423 FUEL CENTER

Date 30 SEPT 2015

EXISTING SITE CONDITIONS :

$$Q_{p \frac{360-70}{360-70}} = \left[1.71 (3370) + 3.14 (18741) \right] \left(\frac{1 \text{ AC}}{43560 \text{ SF}} \right)$$
$$= \underline{1.48 \text{ CFS}}$$

$$Q_{p \frac{360-100}{360-100}} = \left[3.14 (3370) + 4.70 (18741) \right] \left(\frac{1 \text{ AC}}{43560 \text{ SF}} \right)$$
$$= \underline{2.27 \text{ CFS}}$$

PROPOSED SITE CONDITIONS :

$$Q_{p \frac{360-70}{360-70}} = \left[1.71 (3350) + 3.14 (18761) \right] \left(\frac{1 \text{ AC}}{43560 \text{ SF}} \right)$$
$$= \underline{1.48 \text{ CFS}}$$

$$Q_{p \frac{360-100}{360-100}} = \left[3.14 (3350) + 4.70 (18761) \right] \left(\frac{1}{43560} \right)$$
$$= \underline{2.27 \text{ CFS}}$$

∴ NO CHANGE - EXISTING CONDITIONS TO PROPOSED CONDITIONS

Volume Calculation
for
On-site Management & Retention of 90th Percentile Storm Events
for Contributing Impervious Areas



ANDERSON WAHLEN & ASSOCIATES

Great Basin Engineering South

Project Name SMITH'S #423 FUEL CENTER

Date 30 SEPT 2015

SITE ADDRESS 5640 4TH STREET

90TH PERCENTILE RETENTION VOLUME

CHAPTER 22, CITY OF ALBUQUERQUE

DEVELOPMENT PROCESS MANUAL

INITIAL ABSTRACTION = 0.1 IN

STORM DEPTH = 0.44 IN

DIRECT RUNOFF = 0.44 - 0.1 = 0.34 IN

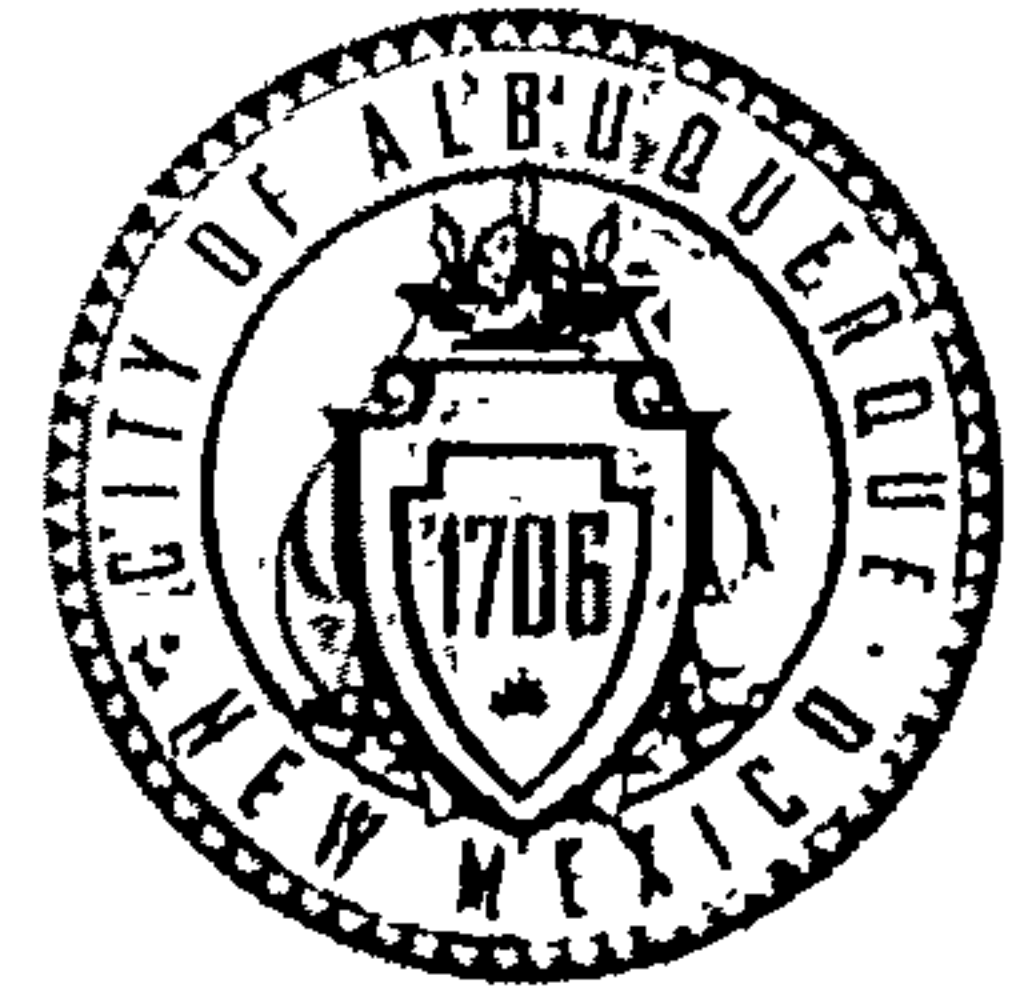
$$\text{VOLUME} = \left(\frac{0.34 \text{ IN}}{12 \text{ IN/FT}} \right) (22,116 \text{ SF})$$

$$= 626.5 \text{ FT}^3$$

$$\Rightarrow \underline{\underline{627 \text{ FT}^3}}$$

RETENTION VOLUME
FOR
90% STORM EVENT

CITY OF ALBUQUERQUE



January 11, 2016

Richard J. Berry, Mayor

David G. Anderson
Anderson Wahlen & Associates
2010 North Redwood Road
Salt Lake City, Utah, 84116

RE: Smith's #423 Fuel Center
Grading and Drainage Plan (Stamp Date 11/16/2015)
Hydrology File: F14D072

Dear Mr. Anderson:

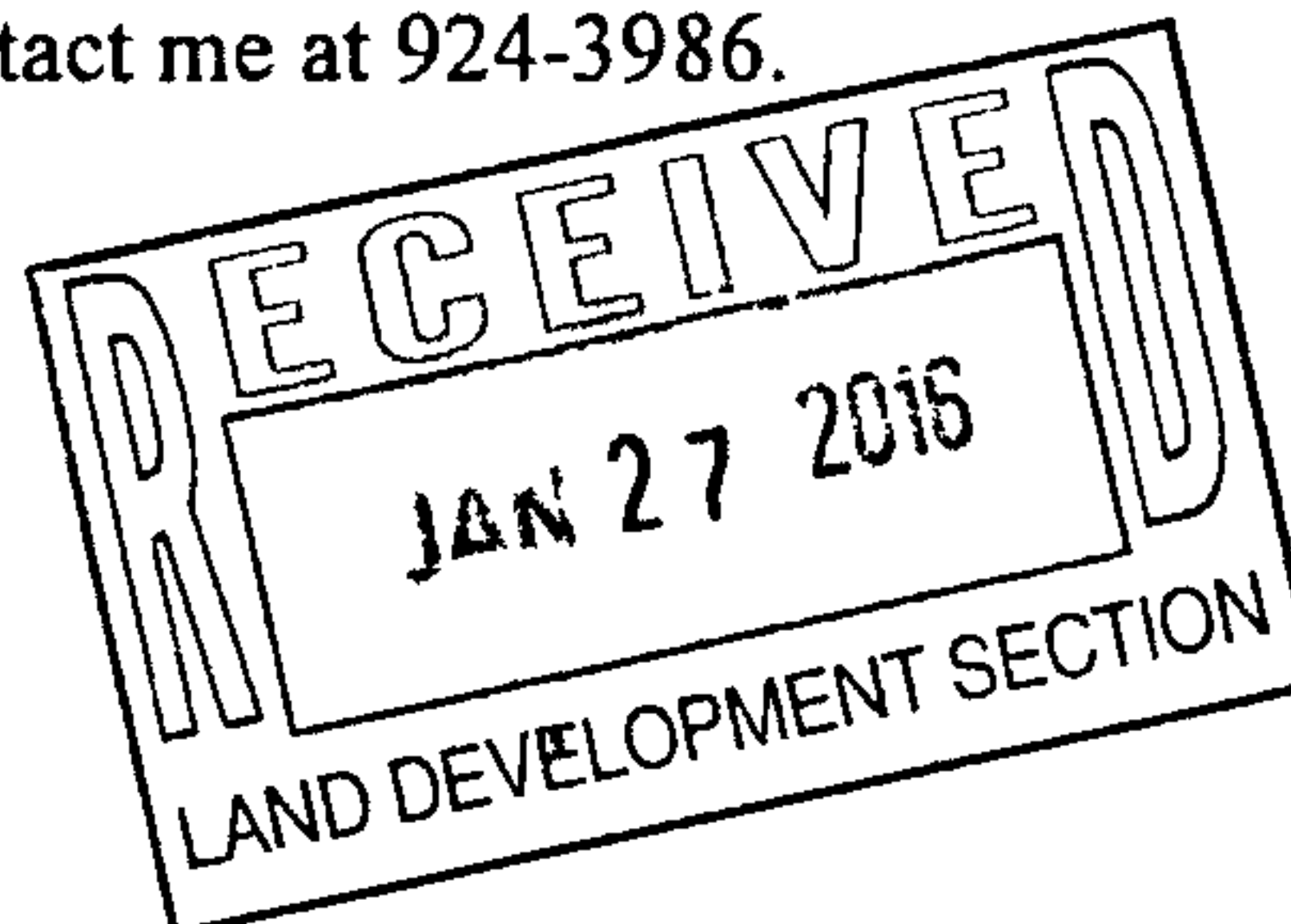
Based upon the information provided in your submittal received 11-18-2015, the above-referenced plan cannot be approved for Building Permit until the following items are addressed:

1. The segment of the drain pipe that is in the right of way will need to be completed through Work Order; it can be included in the DRC set that is referenced on the plan.
 - a. The connection to the 36" storm drain cannot be direct; a manhole needs to be constructed (to City standards). *MANHOLE HAS BEEN ADDED & DRC PLAN PROVIDED*
 - b. The City does not allow PVC pipe for storm drain in the right of way, you would need to transition to RCP, or HPPP (High Performance Polypropylene Pipe).
PIPE IS REVISED TO RCP
 - c. For your reference, the DRC set will need to show that the gas line and other utilities do not conflict with the new pipe under Gene Avenue.
A PROFILE SECTION IS PROVIDED
2. A detail for a Snout is shown, but the reference on the plan for an oil/water separator is a Contech CDS. Where is the snout being used? If you do use the snout, show the approx. sump elevation and the approx. outlet elevation.
SNOUT LOCATION & CLARIFICATIONS ARE UPDATED ON THE UTILITY PLAN
3. The detail for the Stormtech chambers appears to show elevations that don't match this project. *CORRECTED*

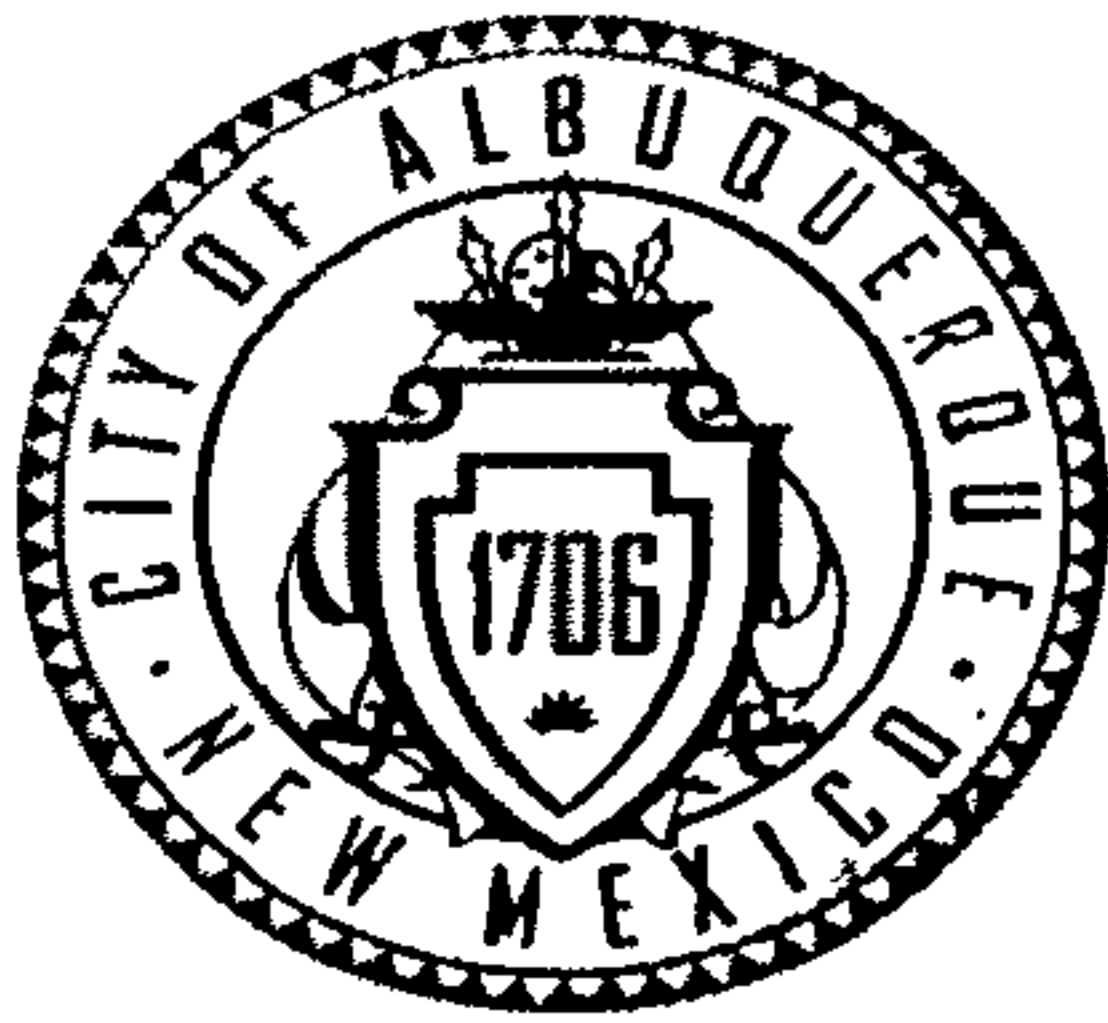
If you have any questions, you can contact me at 924-3986.

Sincerely,

Abiel Carrillo, P.E.
Principal Engineer, Planning Dept.
Development Review Services



Orig: Drainage file



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

Project Title: Smith's #423 Fuel Center Building Permit #: _____ City Drainage #: F14-D072
DRB#: _____ EPC#: _____ Work Order#: DRC 587880
Legal Description: Lots 2, 3 & 4 Harper Addition
City Address: 5640 4th Street NW

Engineering Firm: Anderson Wahlen & Associates Contact: Kirk Randall
Address: 2010 North Redwood Road, Salt lake City, UT 84116
Phone#: 801-410-8520 Fax#: 801-521-9551 E-mail: kirk@awaeng.com

Owner: Smith's Food & Drug Centers, Inc. Contact: Roger Gough
Address: 1550 South Redwood Road, Salt Lake City, Ut 84104
Phone#: 801-974-1529 Fax#: 801-974-1628 E-mail: roger.gough@sfdc.com

Architect: _____ Contact: _____
Address: _____
Phone#: _____ Fax#: _____ E-mail: _____

Surveyor: _____ Contact: _____
Address: _____
Phone#: _____ Fax#: _____ E-mail: _____

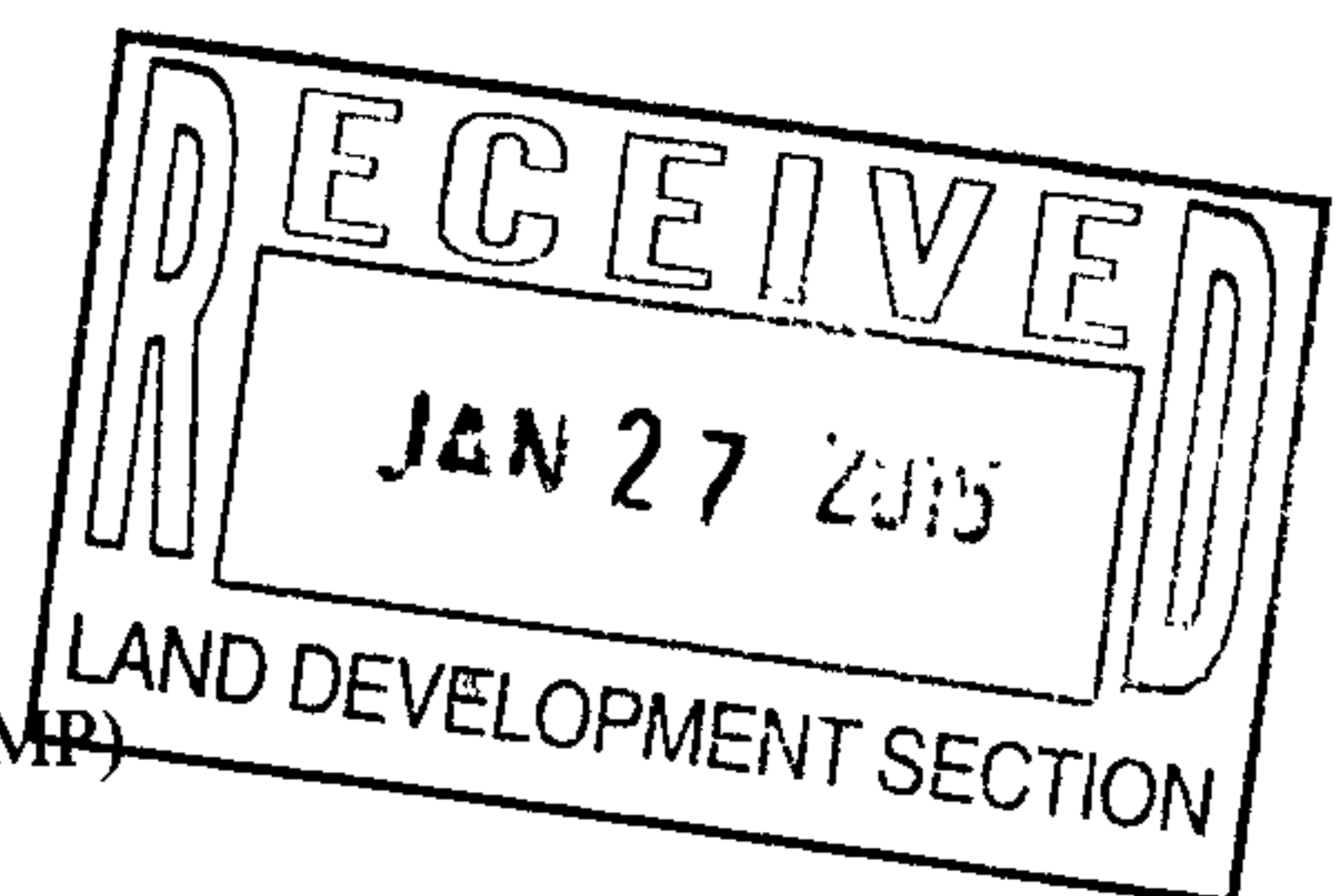
Contractor: _____ Contact: _____
Address: _____
Phone#: _____ Fax#: _____ E-mail: _____

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) _____



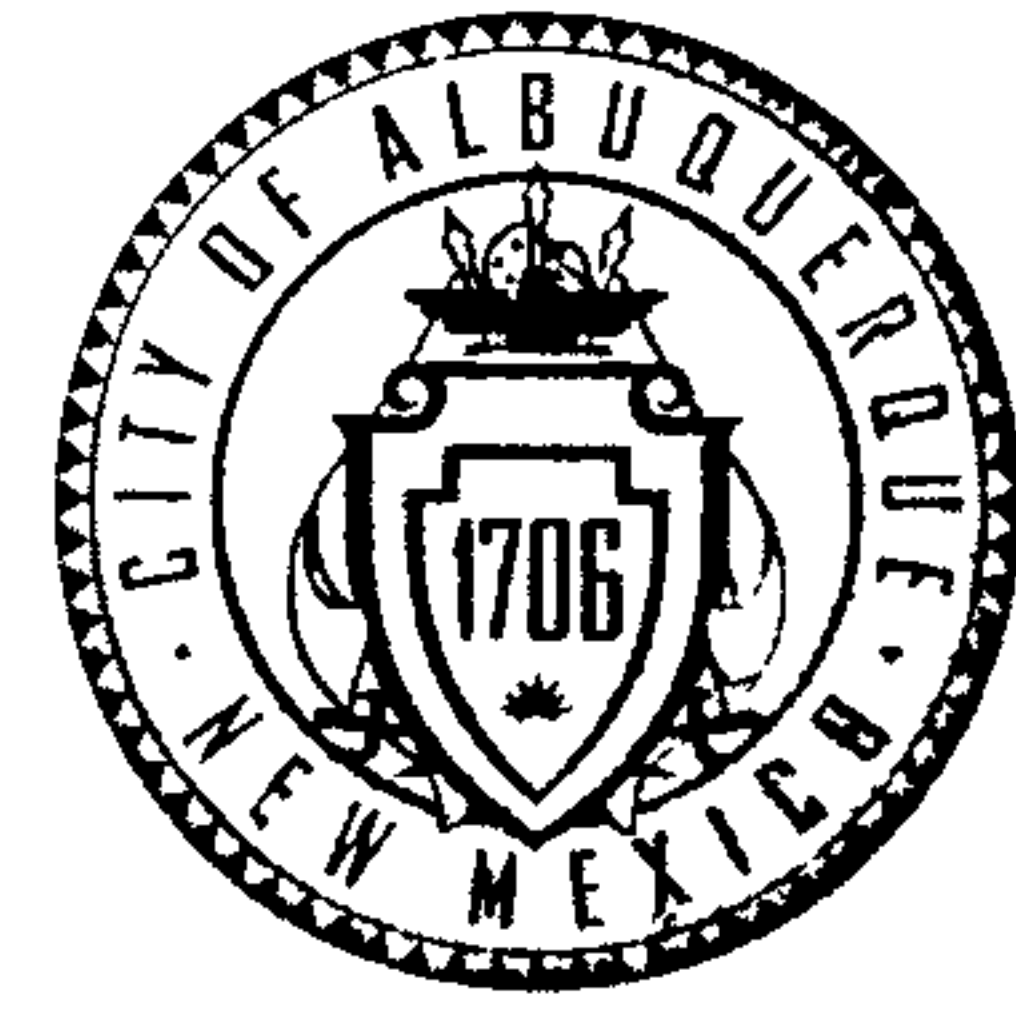
WAS A PRE-DESIGN CONFERENCE ATTENDED: ☒ Yes ☐ No ☐ Copy Provided

DATE SUBMITTED: 1-27-2016 By: Kirk Randall

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

CITY OF ALBUQUERQUE



Richard J. Berry, Mayor

January 11, 2016

David G. Anderson
Anderson Wahlen & Associates
2010 North Redwood Road
Salt Lake City, Utah, 84116

**RE: Smith's #423 Fuel Center
Grading and Drainage Plan (Stamp Date 11/16/2015)
Hydrology File: F14D072**

Dear Mr. Anderson:

Based upon the information provided in your submittal received 11-18-2015, the above-referenced plan cannot be approved for Building Permit until the following items are addressed:

1. The segment of the drain pipe that is in the right of way will need to be completed through Work Order; it can be included in the DRC set that is referenced on the plan.

PO Box 1293

- a. The connection to the 36" storm drain cannot be direct; a manhole needs to be constructed (to City standards).

Albuquerque

- b. The City does not allow PVC pipe for storm drain in the right of way, you would need to transition to RCP, or HPPP (High Performance Polypropylene Pipe).

New Mexico 87103

- c. For your reference, the DRC set will need to show that the gas line and other utilities do not conflict with the new pipe under Gene Avenue.

www.cabq.gov

2. A detail for a Snout is shown, but the reference on the plan for an oil/water separator is a Contech CDS. Where is the snout being used? If you do use the snout, show the approx. sump elevation and the approx. outlet elevation.

3. The detail for the Stormtech chambers appears to show elevations that don't match this project.

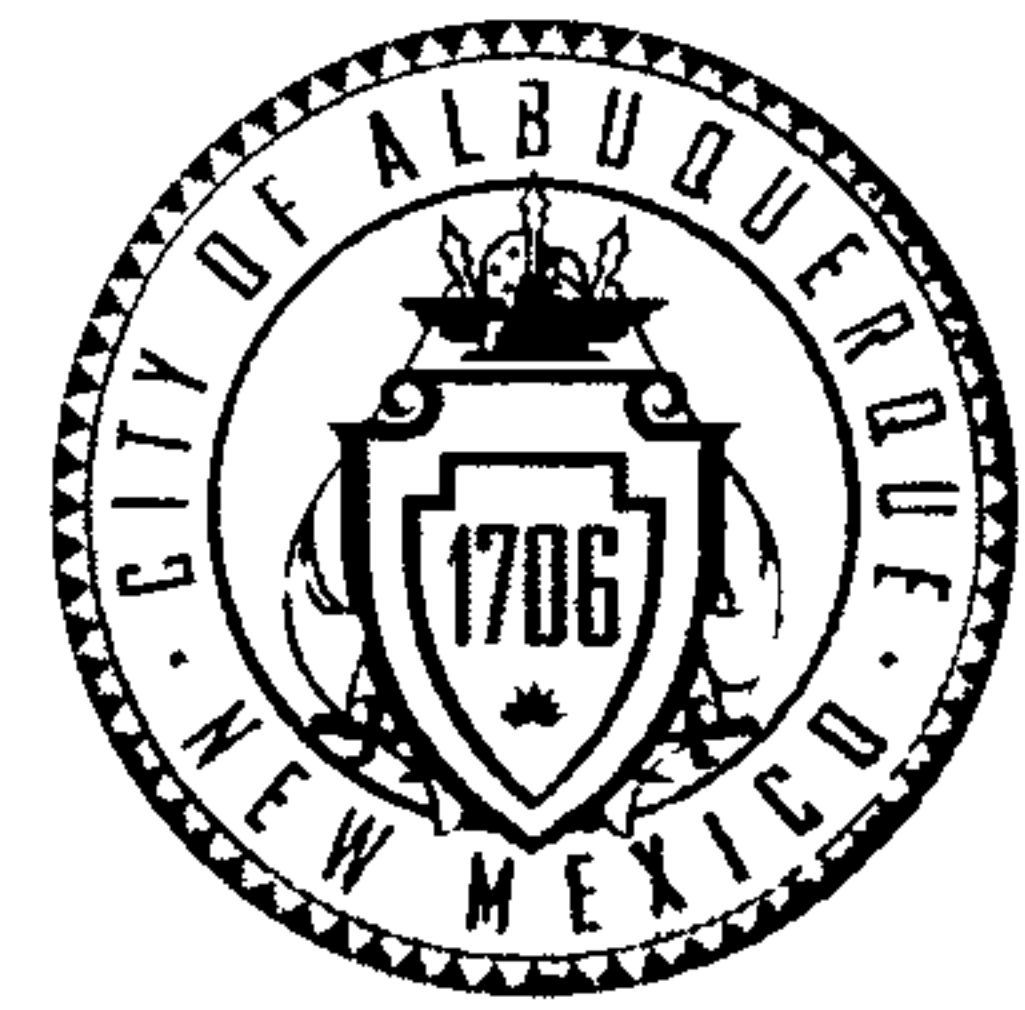
If you have any questions, you can contact me at 924-3986.

Sincerely,

Abiel Carrillo, P.E.
Principal Engineer, Planning Dept.
Development Review Services

Orig: Drainage file

CITY OF ALBUQUERQUE



September 1, 2016

Kirk Randall
Anderson Wahlen & Associates
2010 No. Redwood Rd.
Salt Lake City, UT 84116

Re: Smith's #423 Fuel Center - 5640 4th St., NW
Request for Certificate of Occupancy- Transportation Development
Engineer's Stamp dated 02-02-16 (F14D072)
Certification dated 08-30-16

Dear Mr. Randall,

Based upon the information provided in your submittal received 08-31-16, Transportation Development has no objection to the issuance of a Permanent Certificate of Occupancy. This letter serves as a "green tag" from Transportation Development for a Permanent Certificate of Occupancy to be issued by the Building and Safety Division.

If you have any questions, please contact Monica Ortiz at (505) 924-3981 or me at (505)924-3991.

Sincerely,

Monica Ortiz
Plan Checker, Transportation & Hydrology
Development Review Services

mao via: email
C: CO Clerk, File



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 1/2016)

Project Title: SMITH'S #423 FUEL CENTER Building Permit #: _____ Hydrology File #: F14-D072
DRB#: _____ EPC#: _____ Work Order#: 587880
Legal Description: LOTS 2, 3 & 4 HARPER ADDITION
City Address: 5640 4th St. NW

Applicant: SMITH'S FOOD & DRUG CENTERS, INC. Contact: KIRK RANDALL
Address: 2010 NO. REDWOOD ROAD, SLC. UT 84116
Phone#: 801-410-8520 Fax#: 801-521-9551 E-mail: KIRK@AWAENG.COM
Other Contact: _____ Contact: _____
Address: _____
Phone#: _____ Fax#: _____ E-mail: _____

Check all that Apply:

DEPARTMENT:

☐ HYDROLOGY/ DRAINAGE
☒ TRAFFIC/ TRANSPORTATION
☐ MS4/ EROSION & SEDIMENT CONTROL

TYPE OF SUBMITTAL:

☒ AS-BUILT CERTIFICATION

☐ CONCEPTUAL G & D PLAN
☐ GRADING PLAN
☐ DRAINAGE MASTER PLAN
☐ DRAINAGE REPORT
☐ CLOMR/LOMR

☐ TRAFFIC CIRCULATION LAYOUT (TCL)
☐ TRAFFIC IMPACT STUDY (TIS)
☐ NEIGHBORHOOD IMPACT ASSESMENT (NIA)

☐ EROSION-&SEDIMENT CONTROL PLAN (ESC)
☐ OTHER (SPECIFY) _____

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

☐ BUILDING PERMIT APPROVAL
☒ CERTIFICATE OF OCCUPANCY
☐ GRADING/ESC PERMIT APPROVAL

☐ PRELIMINARY PLAT APPROVAL
☐ SITE PLAN FOR SUB'D APPROVAL
☐ SITE PLAN FOR BLDG. PERMIT APPROVAL
☐ FINAL PLAT APPROVAL

☐ SIA/ RELEASE OF FINANCIAL GUARANTEE
☐ FOUNDATION PERMIT APPROVAL
☐ SO-19 APPROVAL
☐ PAVING PERMIT APPROVAL
☐ GRADING/ PAD CERTIFICATION
☐ WORK ORDER APPROVAL
☐ CLOMR/LOMR

☐ PRE-DESIGN MEETING?

☐ OTHER (SPECIFY) _____



RECEIVED
8-31-16

IS THIS A RESUBMITTAL?: ☐ Yes ☒ No

DATE SUBMITTED: 8-30-16 By: KIRK RANDALL

COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: _____

FEE RECEIVED: _____



ANDERSON WAHLEN & ASSOCIATES

TRAFFIC CERTIFICATION

I, David G. Anderson, NMPE 20167, of the firm Anderson Wahlen & Associates, hereby confirm that this project is in substantial compliance with and in accordance with the design intent of the TCL approved plan dated 2-4-16. Any record information edited onto the original design document has been obtained by Russ P. Hugg, NMPS 9750, of the firm Surv-Tek, Inc. I further verify that I have reviewed the site improvements and personnel under my direct supervision observed the project site on 8-24-16 and have determined by visual observation 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 documentation is submitted in support of a request for Permanent Occupancy Permit.

(Describe any exceptions and/or qualifications here in a separate paragraph)

-None

(Describe any deficiencies and/or corrections required here in a separate paragraph)

-None

The record information presented hereon is not necessarily complete and intended only to verify substantial compliance of the traffic aspects of this project. Those relying on this record document are advised to obtain independent verification of its accuracy before using it for any other purpose.

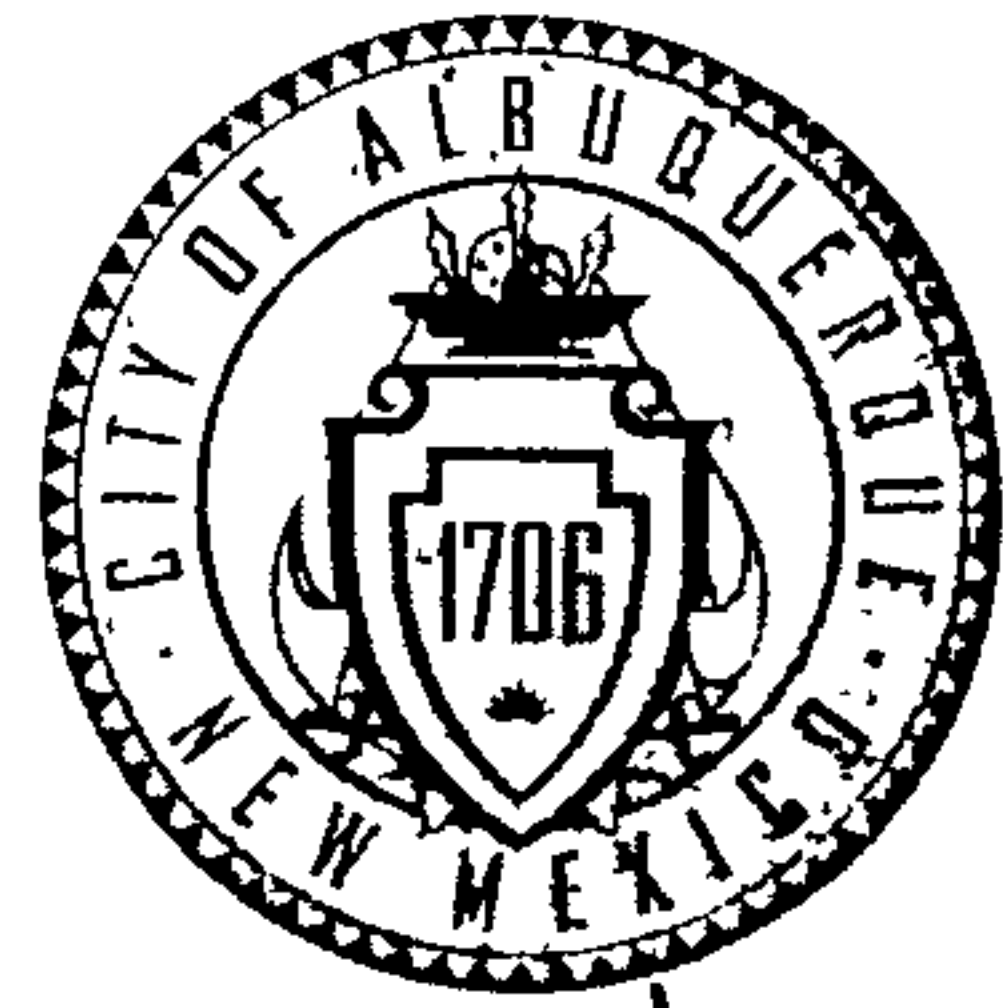
David G. Anderson, NMPE 20167

(seal)

Date



CITY OF ALBUQUERQUE



Scanned
and emailed
3/16/16
To Mr Randall
G. Sanabria

February 4, 2016

Kirk Randall
Anderson Wahlen & Associates
2010 No. Redwood Rd.
Salt Lake City, UT 84116

Re: Smith's #423 Fuel Center(Resubmittal)
5640 4th St., NW
Traffic Circulation Layout
Engineer's/Architect's Stamp dated 2-2-16 (F14-D072)

Dear Mr. Randall,

The TCL submittal received 2-3-16 is approved for Building Permit. A copy of the stamped and signed plan will be needed for each of the building permit plans. Please keep the original to be used for certification of the site for final C.O. for Transportation.

When the site construction is completed and a Certificate of Occupancy (C.O.) is requested, use the original City stamped approved TCL for certification. Redline any minor changes and adjustments that were made in the field. A NM registered architect or engineer must stamp, sign, and date the certification TCL along with indicating that the development was built in "substantial compliance" with the TCL. Submit this certification TCL with a completed Drainage and Transportation Information Sheet to front counter personnel for log in and evaluation by Transportation.

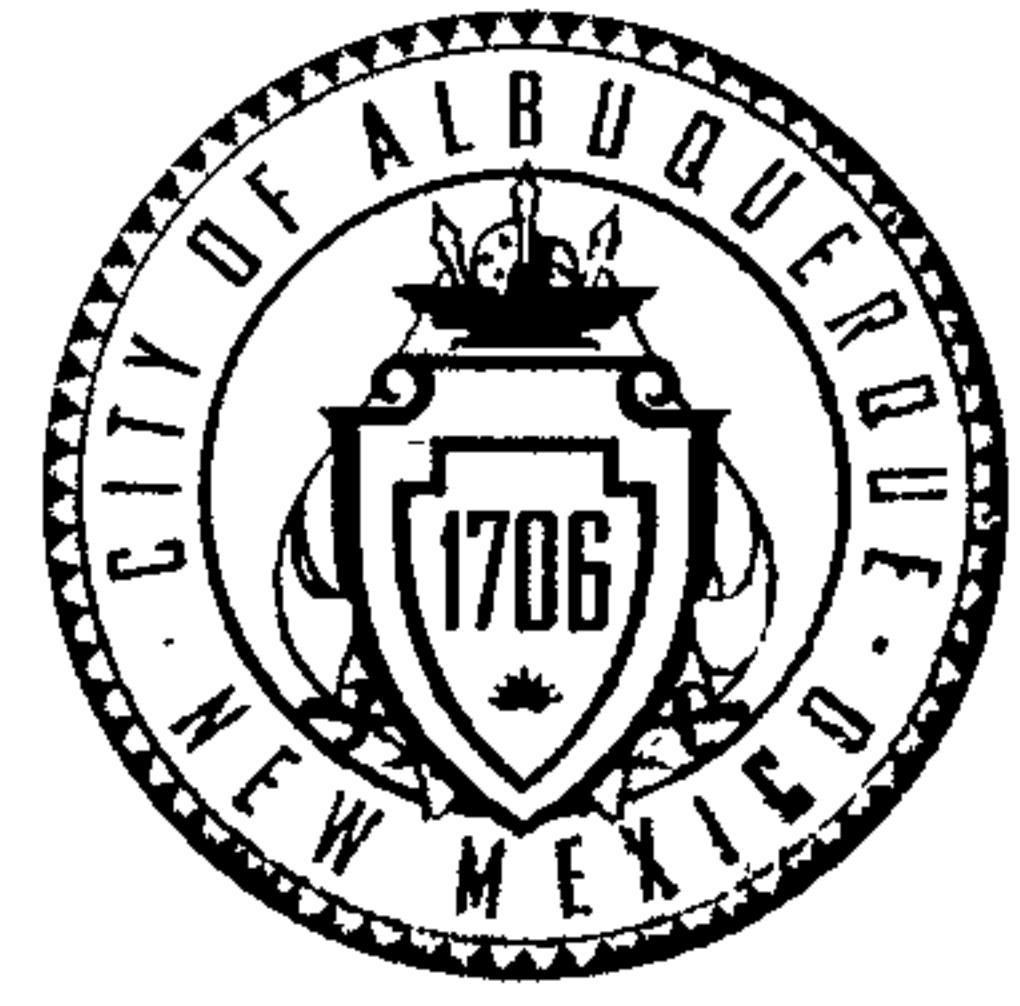
Once verification of certification is completed and approved, notification will be made to Building Safety to issue Final C.O. To confirm that a final C.O. has been issued, call Building Safety at 924-3690.

Sincerely,

Racquel M. Michel, P.E.
Traffic Engineer, Planning Dept.
Development Review Services

\gs via: email
C: CO Clerk, File

CITY OF ALBUQUERQUE



February 4, 2016

Kirk Randall
Anderson Wahlen & Associates
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Salt Lake City, UT 84116

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PO Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 1/2016)

Project Title: SMITH'S #423 FUEL CENTER Building Permit #: _____ Hydrology File #: F14-D072
DRB#: _____ EPC#: _____ Work Order#: 587880
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City Address: 5640 4th St. NW

Applicant: SMITH'S FOOD & DRUG CENTERS, INC. Contact: KIRK RANDALL
Address: 2010 NO. REDWOOD ROAD, SLC. UT 84116
Phone#: 801-410-8520 Fax#: 801-521-9551 E-mail: KIRK@ANAENG.COM

Other Contact: _____ Contact: _____
Address: _____
Phone#: _____ Fax#: _____ E-mail: _____

Check all that Apply:

DEPARTMENT:

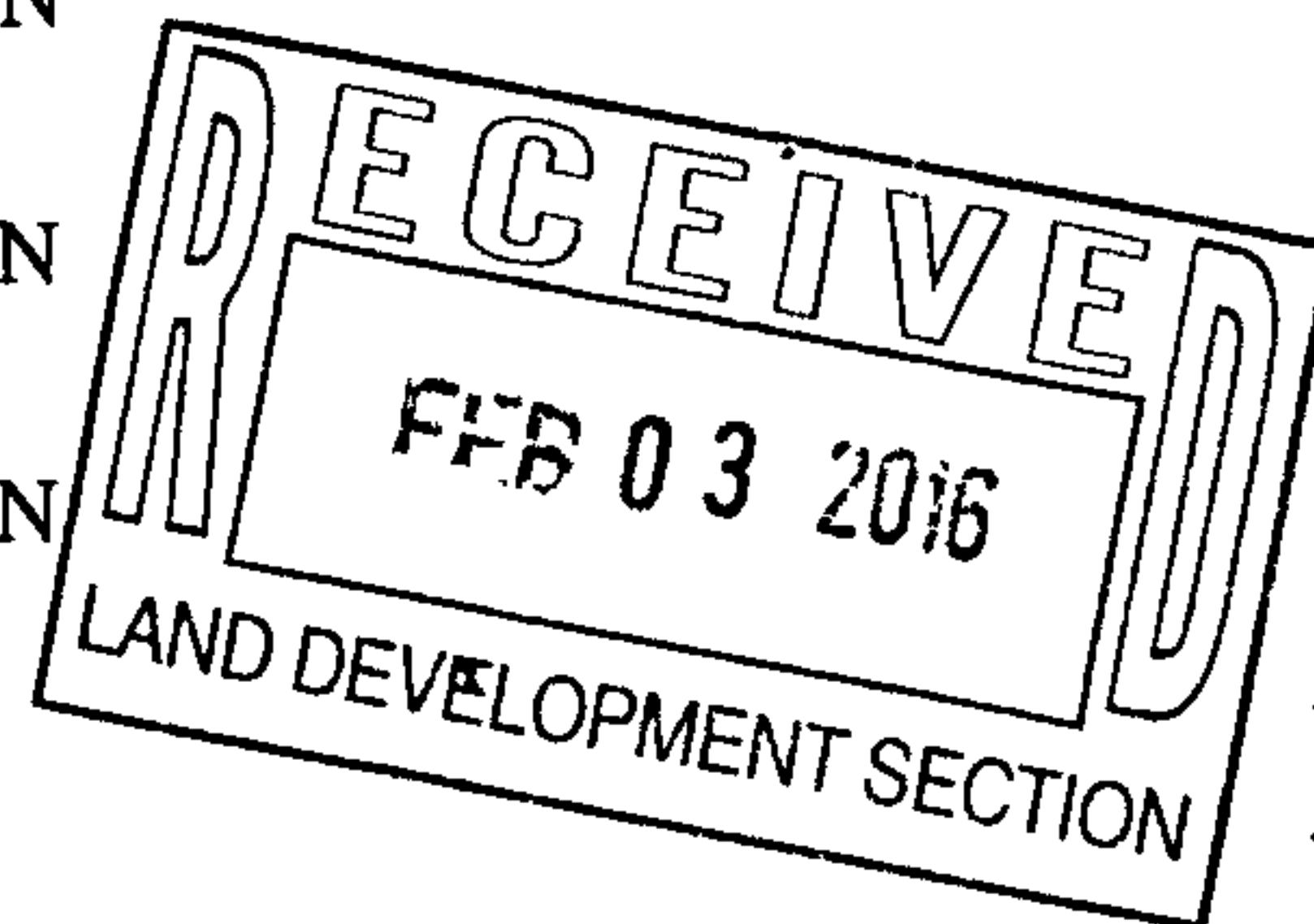
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☐ TRAFFIC/ TRANSPORTATION
☐ MS4/ EROSION & SEDIMENT CONTROL

TYPE OF SUBMITTAL:

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☐ CONCEPTUAL G & D PLAN
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TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

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☐ SO-19 APPROVAL
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☐ GRADING/ PAD CERTIFICATION
☐ WORK ORDER APPROVAL
☐ CLOMR/LOMR
☐ PRE-DESIGN MEETING?
☐ OTHER (SPECIFY) _____

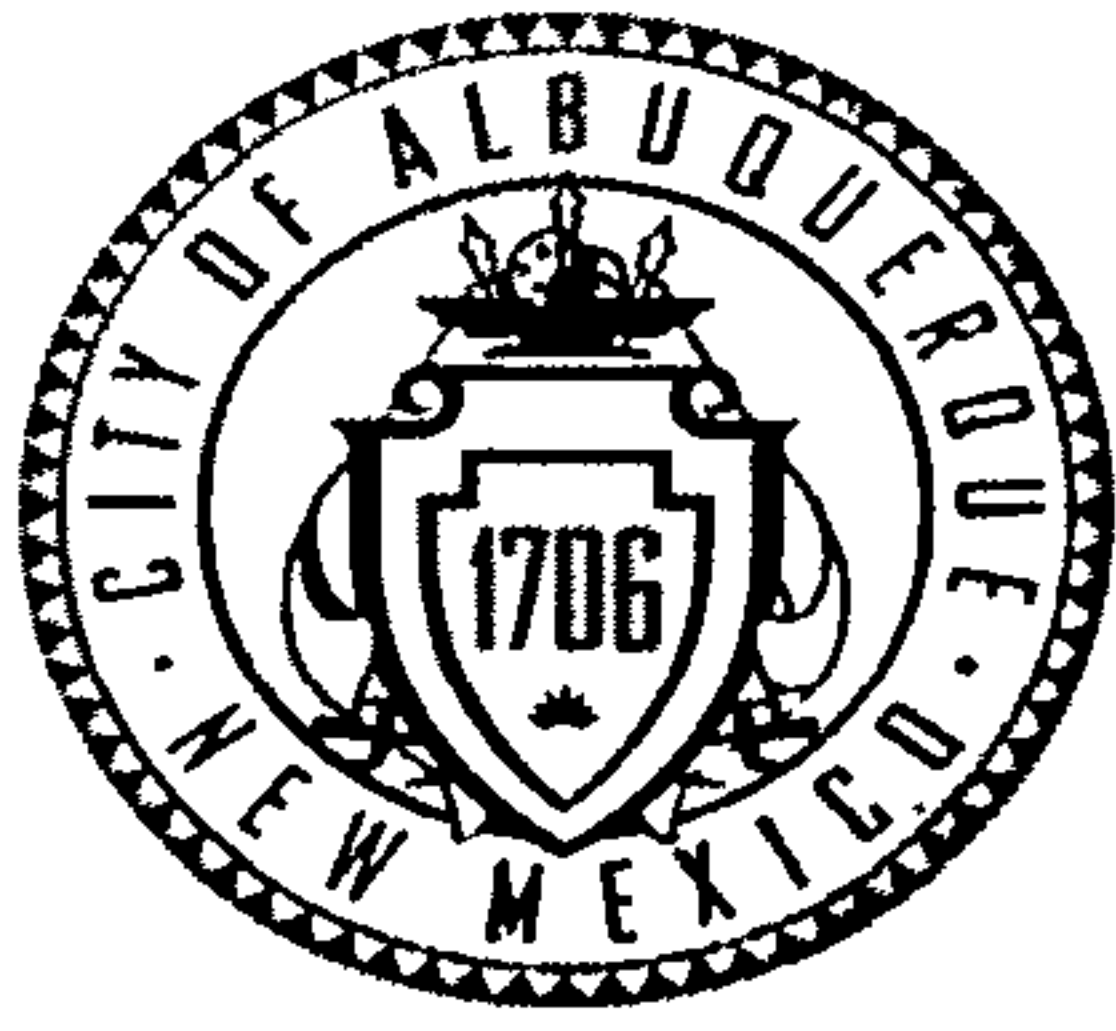


IS THIS A RESUBMITTAL?: ☒ Yes ☐ No

DATE SUBMITTED: 2-3-16 By: Kirk Randall

COA STAFF: _____ ELECTRONIC SUBMITTAL RECEIVED: _____

FEE RECEIVED: _____



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

1st Submitted
Unbel No

Project Title: Smith's #423 Fuel Center Building Permit #: _____ City Drainage #: F14-D072
DRB#: _____ EPC#: _____ Work Order#: DRC 587880
Legal Description: Lots 2, 3 & 4 Harper Addition
City Address: 5640 4th Street NW

Engineering Firm: Anderson Wahlen & Associates Contact: Kirk Randall
Address: 2010 North Redwood Road, Salt lake City, UT 84116
Phone#: 801-410-8520 Fax#: 801-521-9551 E-mail: kirkr@awaeng.com

Owner: Smith's Food & Drug Centers, Inc. Contact: Roger Gough
Address: 1550 South Redwood Road, Salt Lake City, Ut 84104
Phone#: 801-974-1529 Fax#: 801-974-1628 E-mail: roger.gough@sfdc.com

Architect: _____ Contact: _____
Address: _____
Phone#: _____ Fax#: _____ E-mail: _____

Surveyor: _____ Contact: _____
Address: _____
Phone#: _____ Fax#: _____ E-mail: _____

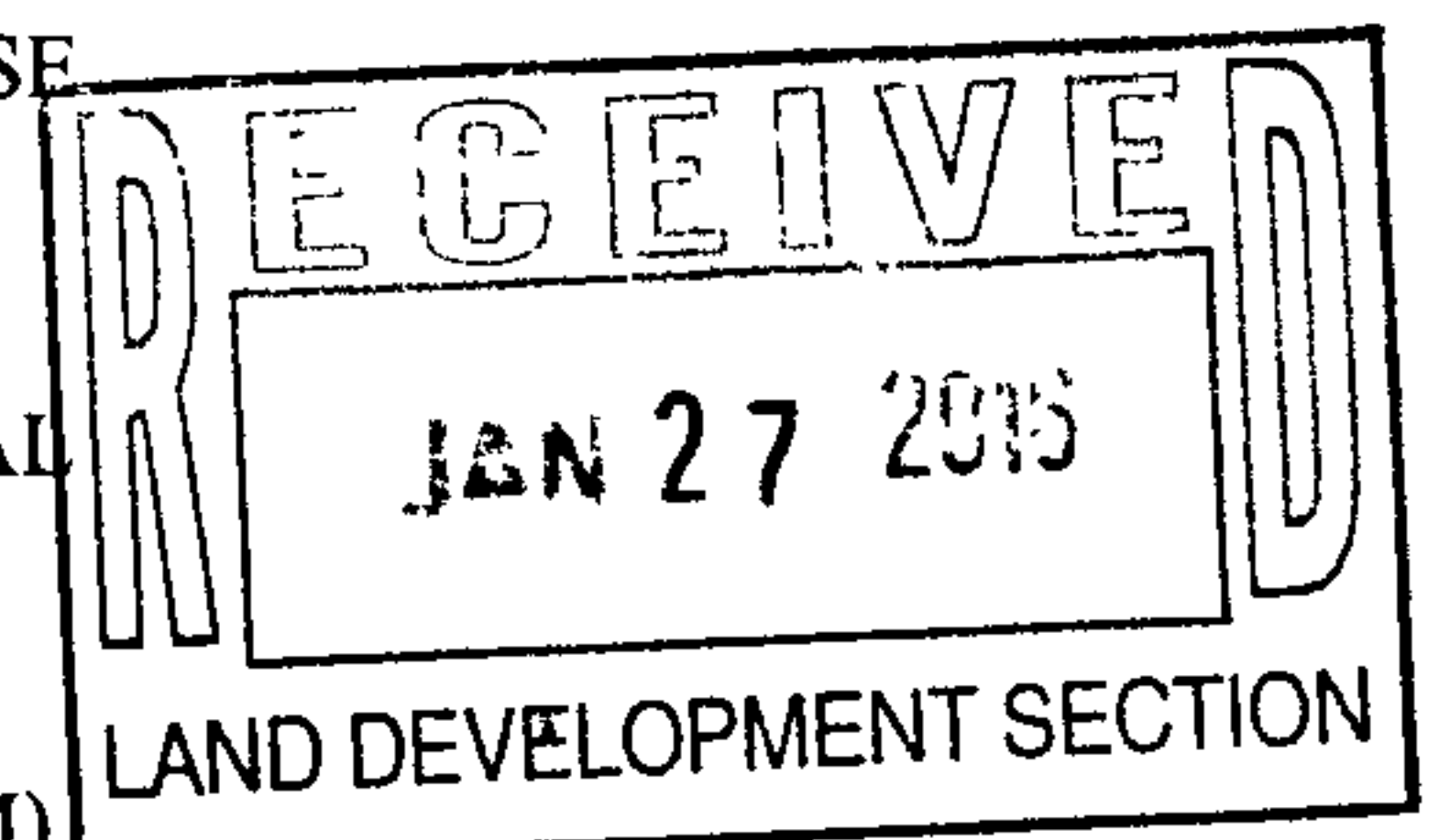
Contractor: _____ Contact: _____
Address: _____
Phone#: _____ Fax#: _____ E-mail: _____

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
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- ☐ ESC CERT. ACCEPTANCE
- ☐ OTHER (SPECIFY) _____



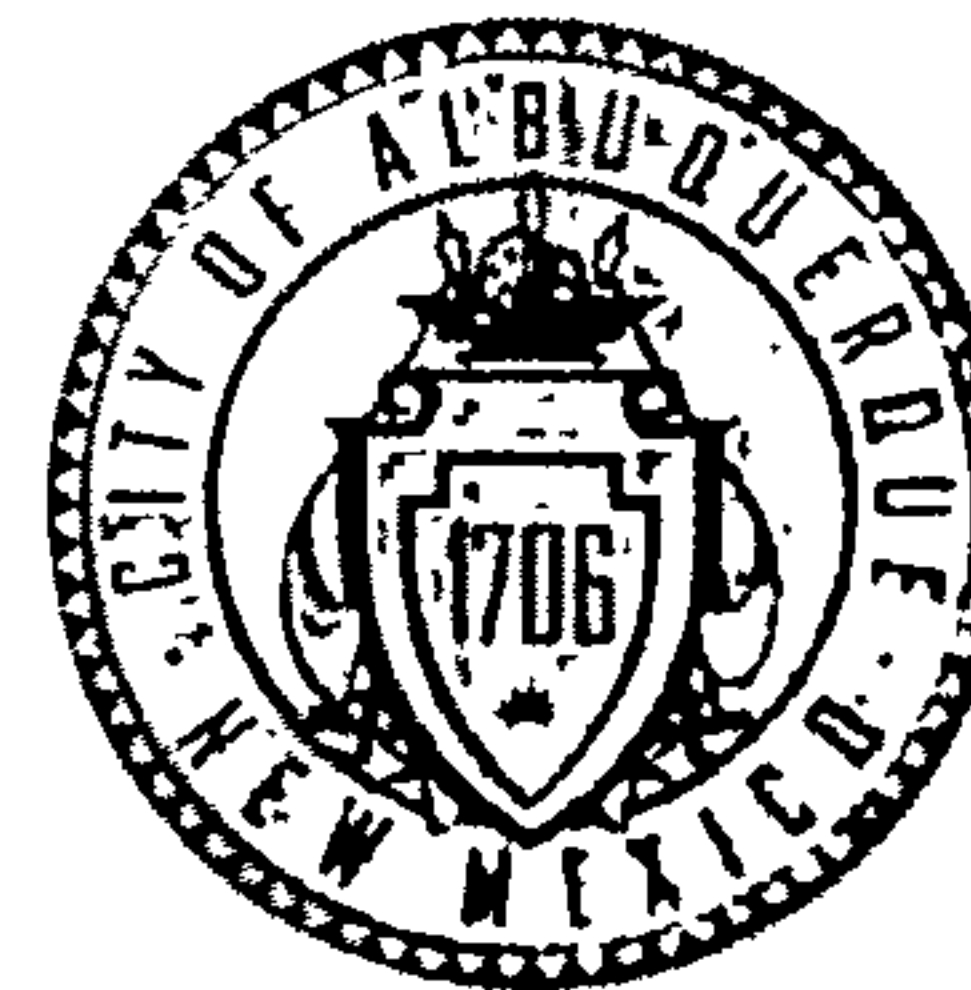
WAS A PRE-DESIGN CONFERENCE ATTENDED: ☒ Yes ☐ No ☐ Copy Provided

DATE SUBMITTED: 1-27-2016 By: Kirk Randall

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

CITY OF ALBUQUERQUE



**Planning Department
Transportation Development Services**

November 19, 2015

Kirk Randall
Anderson Wahlen & Associates
2010 North Redwood Rd.
Salt Lake City, UT 84116

**Re: Smith's #423 Fuel Center
5640 4th St., NW
Traffic Circulation Layout
Engineer's/Architect's Stamp dated 11-16-15 (F14-D072)**

Dear Mr. Randall,

Based upon the information provided in your submittal received 11-18-15, the above referenced plan cannot be approved for Building Permit until the following comments are addressed:

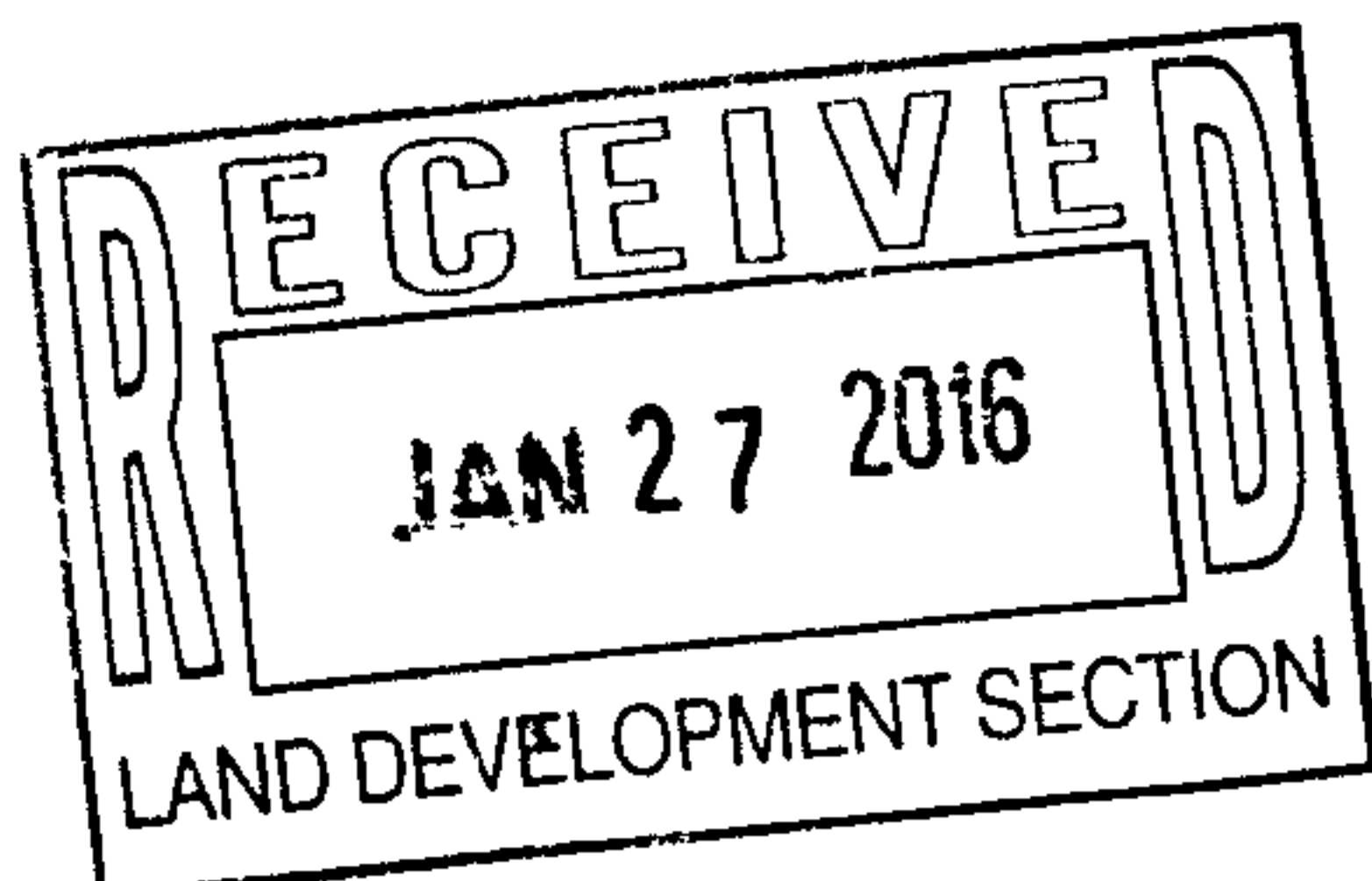
PO Box 1293

Albuquerque

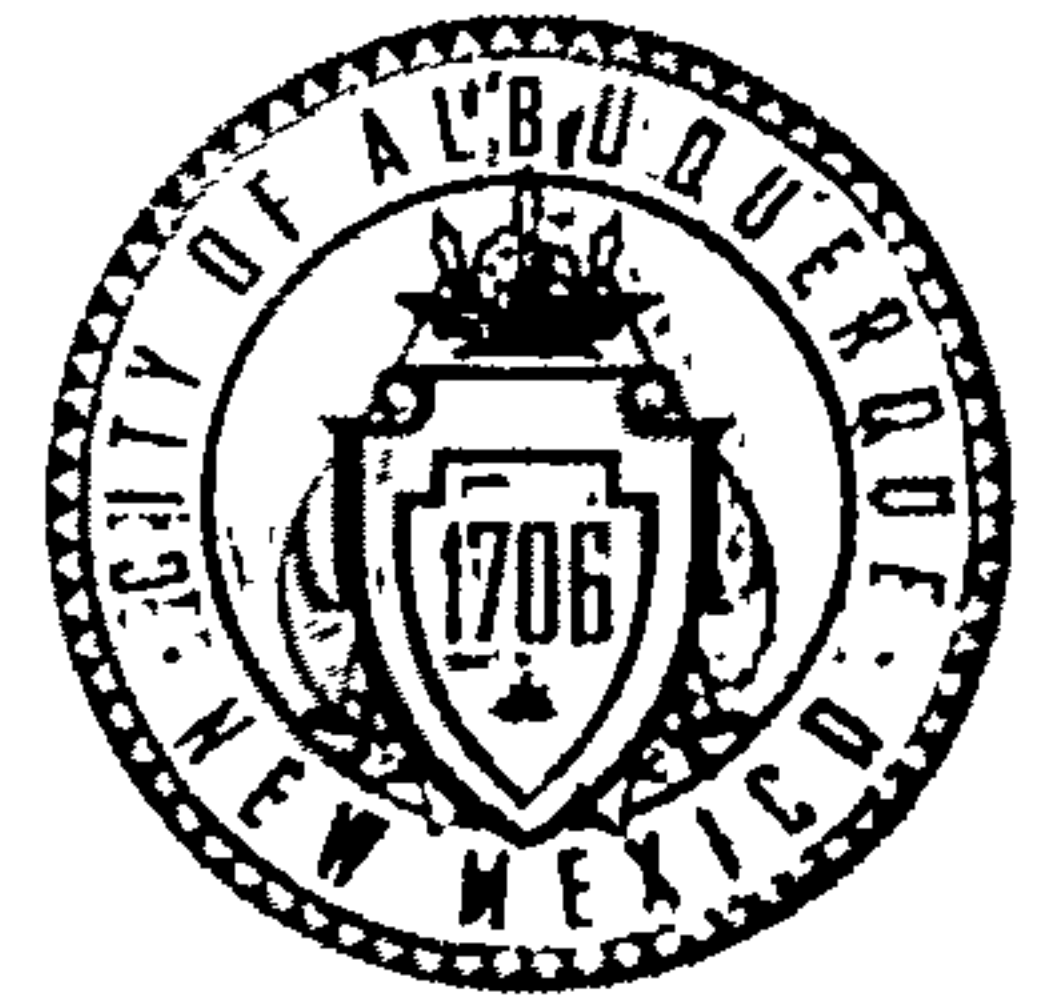
New Mexico 87103

www.cabq.gov

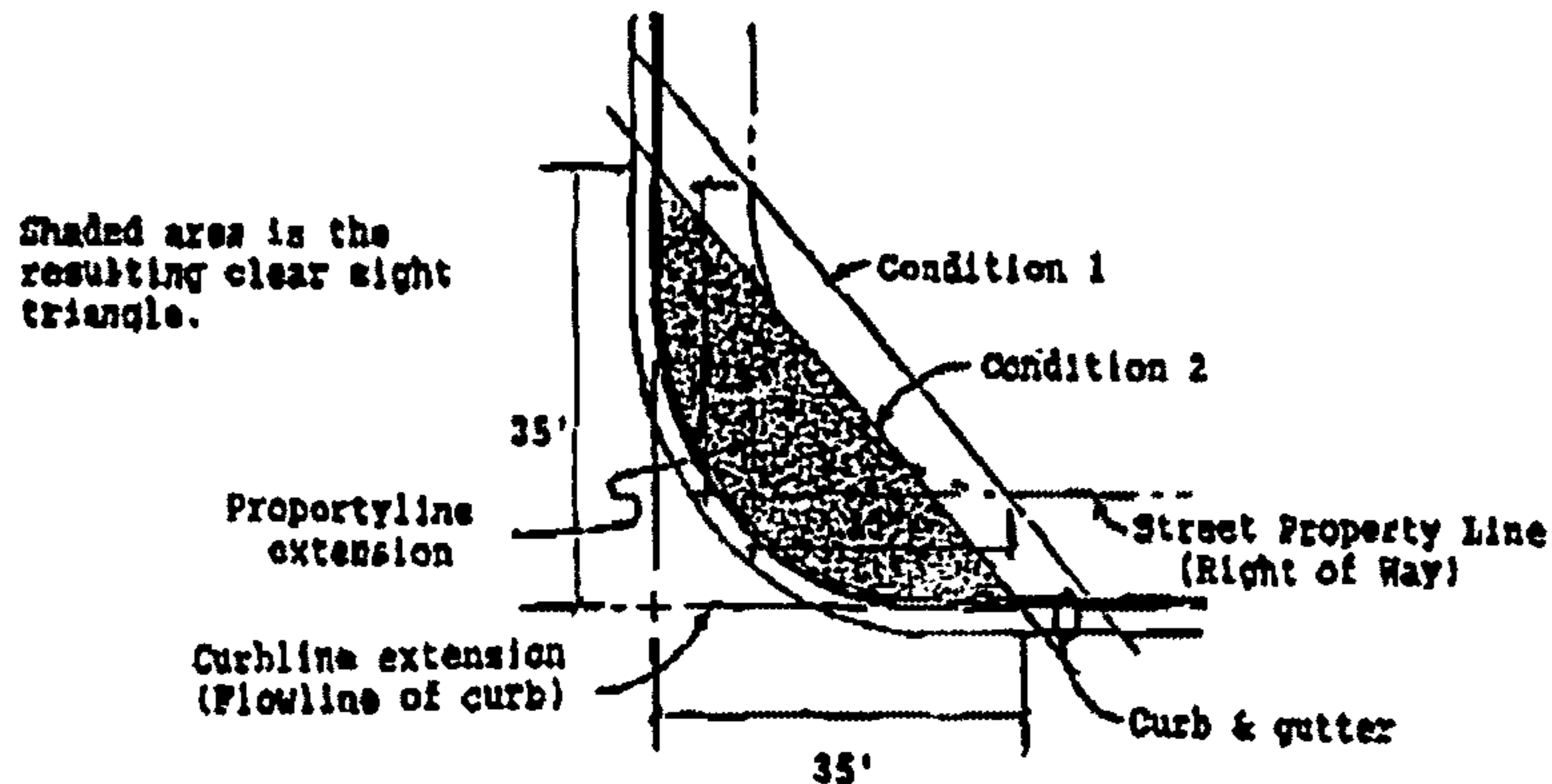
1. Identify the right of way width, medians, curb cuts, and street widths on both 4th St. and Gene Ave. *NOTED AS REQUESTED*
2. The ADA accessible parking sign must have the required language per 66-7-352.4C NMSA 1978 **"Violators Are Subject to a Fine and/or Towing."** Please show a detail of ADA signage. *OK, SEE DETAIL SHEET 4.3*
3. The ADA access aisle shall have the words **"NO PARKING"** in capital letters, each of which shall be at least one foot high and at least two inches wide, placed at the rear of the parking space so as to be close to where an adjacent vehicle's rear tire would be placed. (66-1-4.1.B NMSA 1978) *OK, REVISED*
4. Per the DPM, a 6 ft. wide ADA accessible pedestrian pathway is required from the public sidewalk to the building entrances. Please clearly show this pathway and provide details from both 4th St. and Gene Ave. *OK, WIDENED TO 6'*
5. Detail the ADA ramps to the public sidewalk R.O.W. *ON DRC PLANS*
6. Per the DPM, a 6 ft. wide ADA accessible pedestrian pathway is required from the HC parking stall access aisles to the building entrances. In review of submitting drawing, the proposed ADA pathway is only 4 ft. wide. *REVISED TO 6'*
7. Service vehicle and/or refuse vehicle maneuvering must be contained on-site; provide a copy of refuse approval. *REFUSE INDICATED THIS WOULD BE REVIEWED WITH BUILDING PERMIT SUBMITTAL?*



CITY OF ALBUQUERQUE



8. Please provide a sight distance exhibit (see the *Development Process Manual, Chapter 23, Section 3, Part D.5 Intersection Sight Distance*). Please clearly show this detail for entrances/exits on 4th St. and Gene Ave. *OK, SEE DETAIL SHEET*



9. Please add the following note to the clear sight triangle: "Landscaping and signage will not interfere with clear sight requirements. Therefore, signs, walls, trees, and shrubbery between 3 and 8 feet tall (as measured from the gutter pan) will not be acceptable in this area." *OK, REVISED*
10. Please include two copies of the traffic circulation layout at the next submittal. ✓

PO Box 1293

Albuquerque

New Mexico 87103

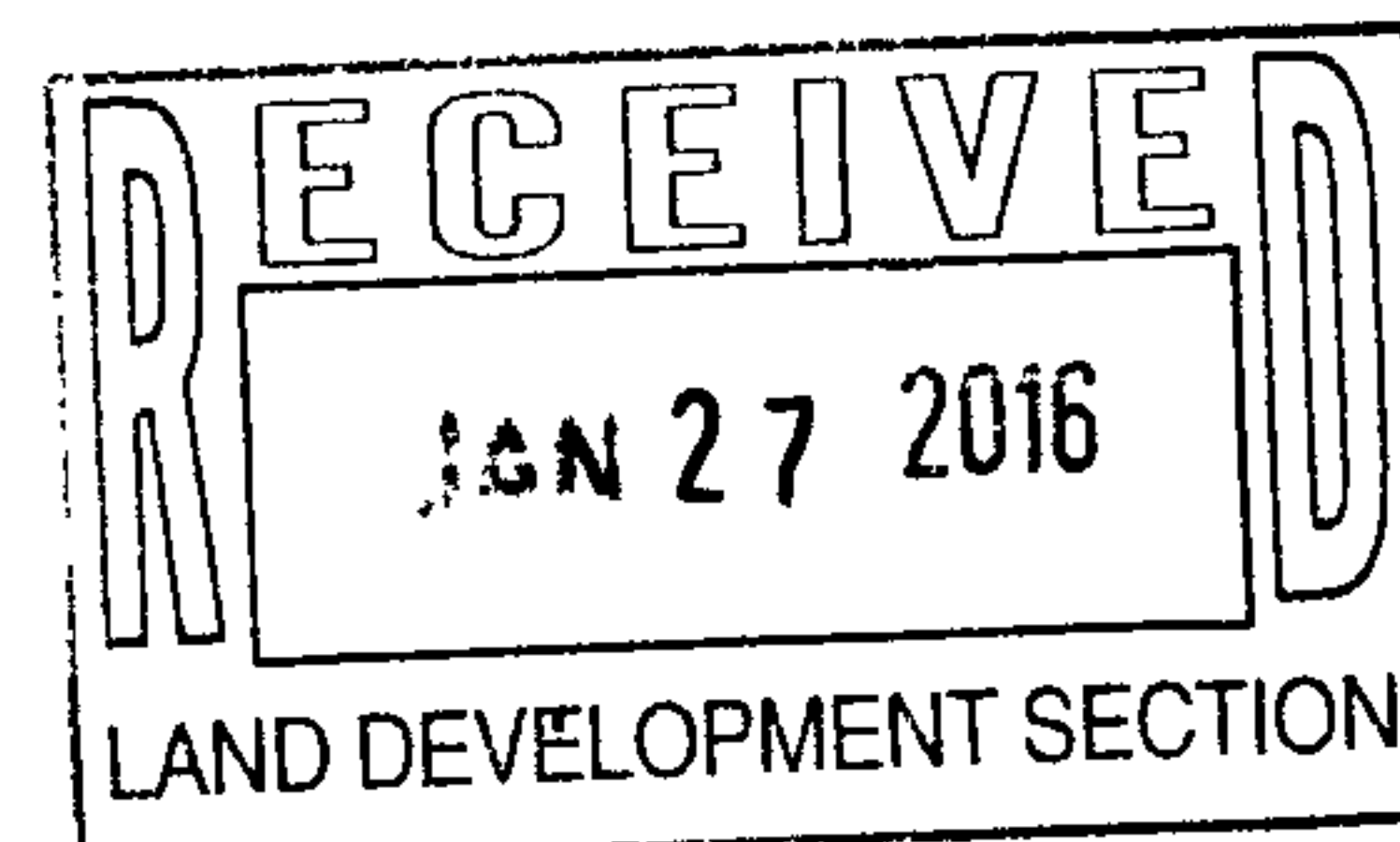
www.cabq.gov

Resubmit acceptable package along with fully completed Drainage Transportation Information Sheet to front counter personnel for log in and evaluation by Transportation. If you have any questions, please contact Gary Sandoval (505) 924-3675 or me at 924-3991.

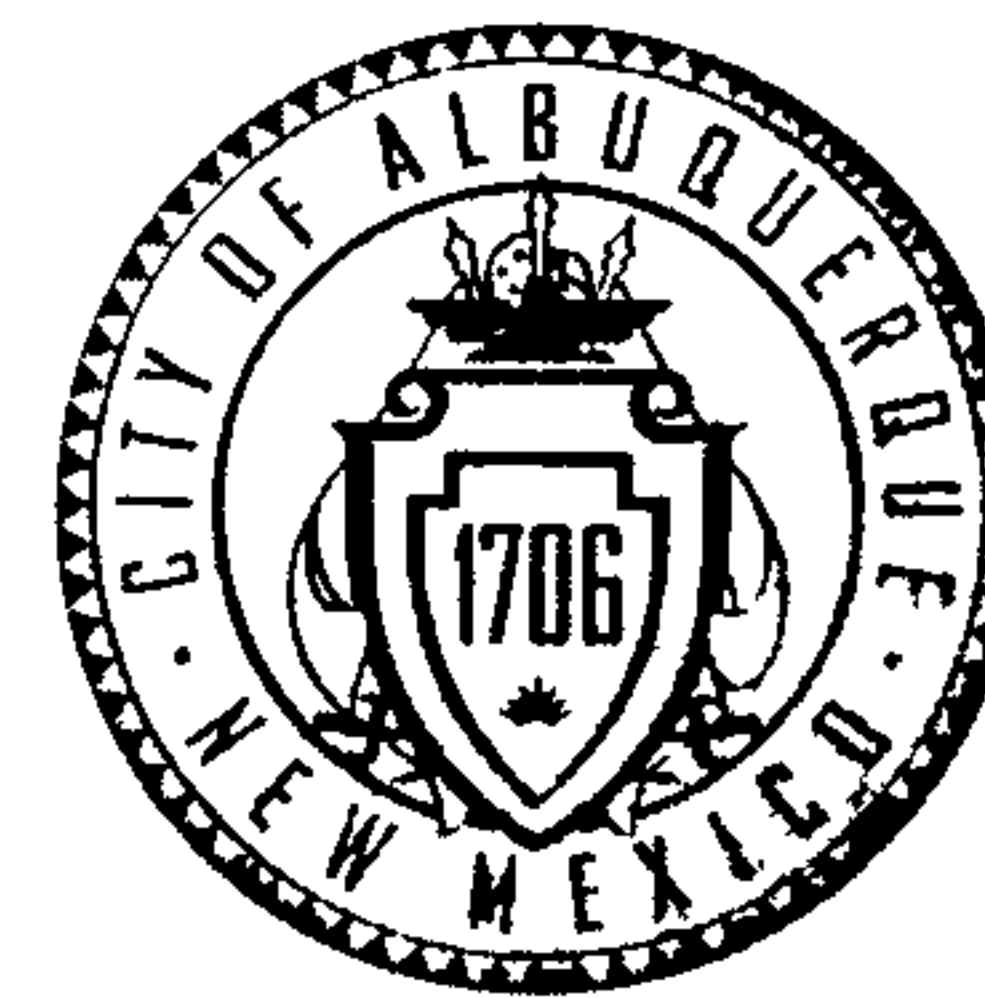
Sincerely,

Racquel M. Michel, P.E.
Traffic Engineer, Planning Dept.
Development Review Services

\gs via: email
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CITY OF ALBUQUERQUE



**Planning Department
Transportation Development Services**

November 19, 2015

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PO Box 1293

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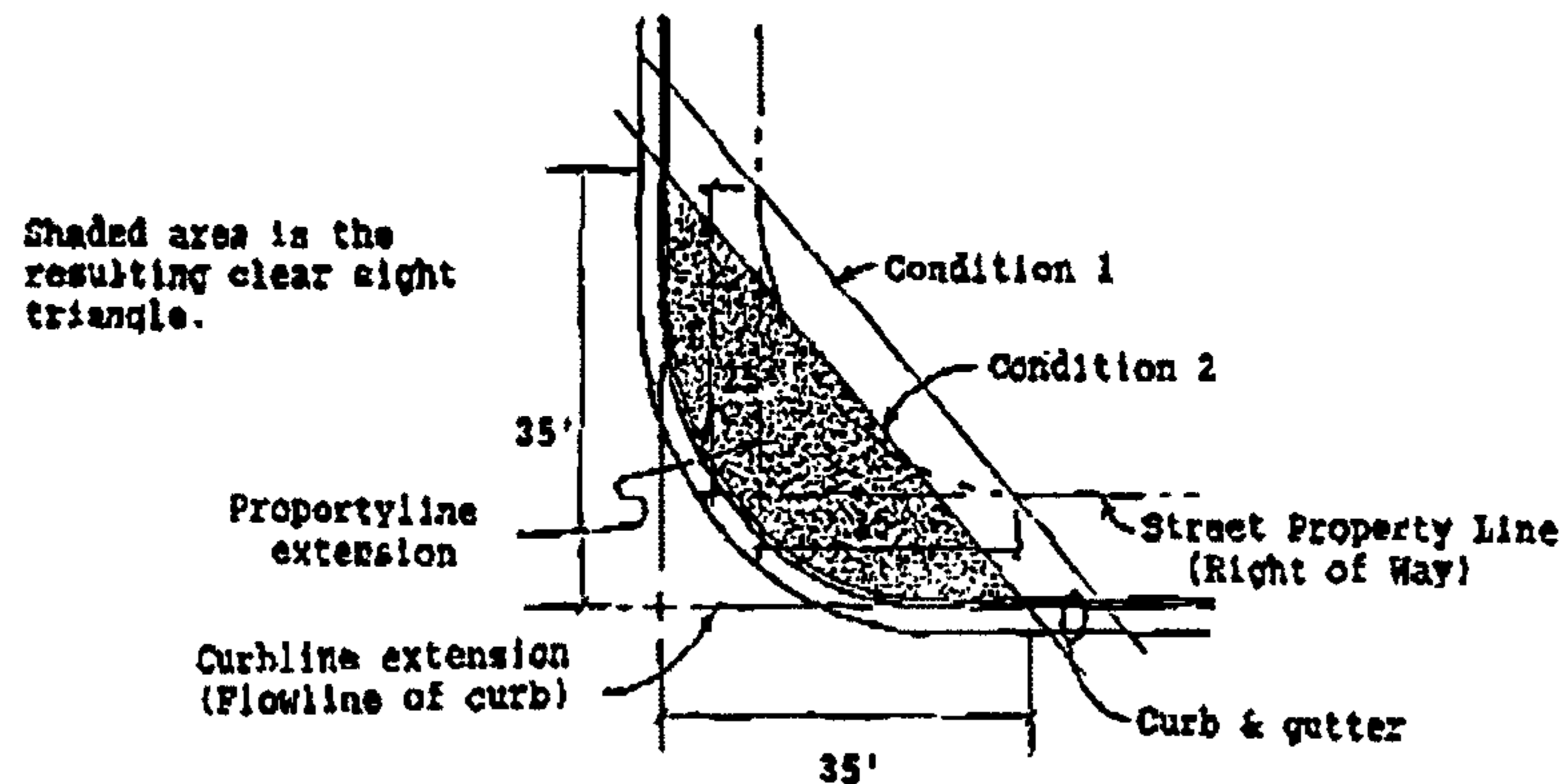
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CITY OF ALBUQUERQUE



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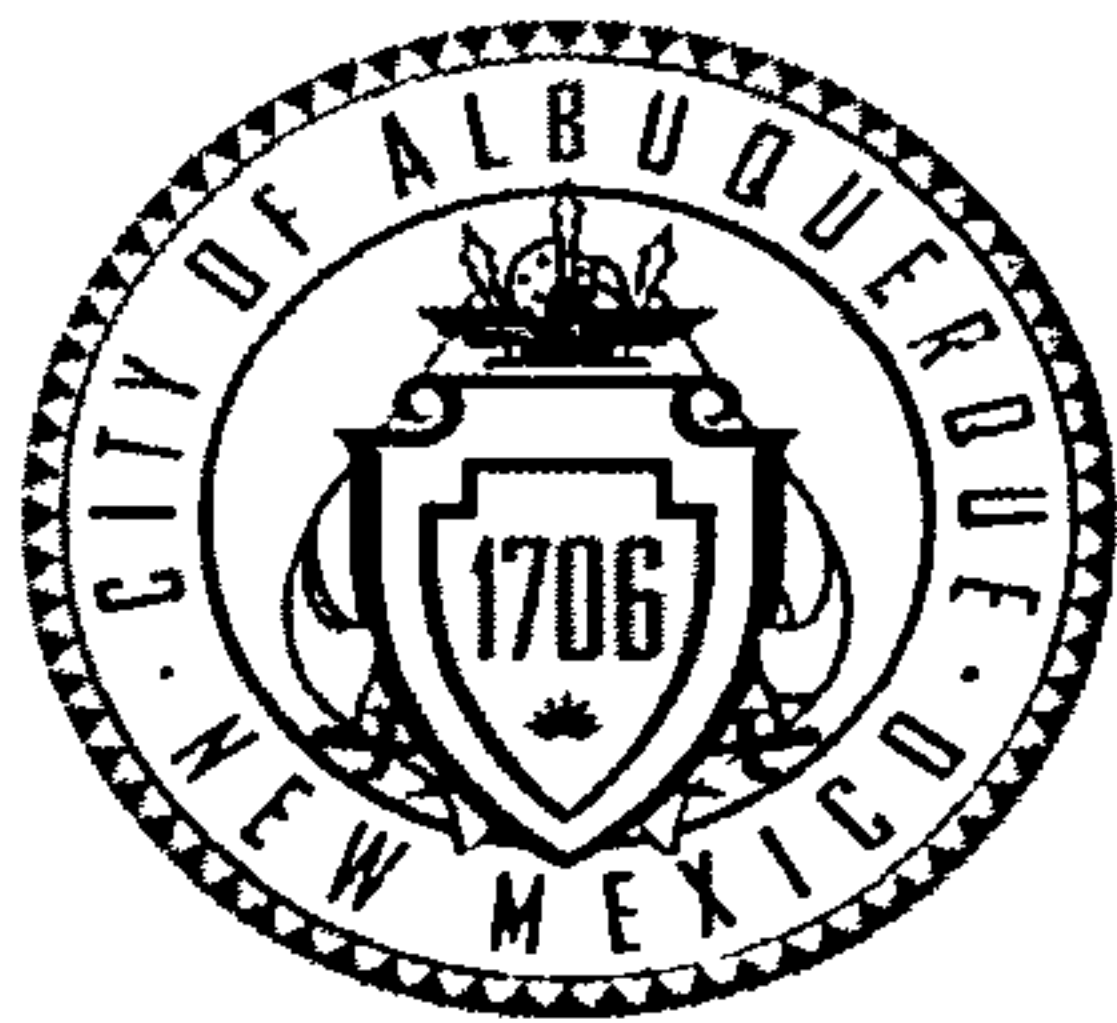
New Mexico 87103

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City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

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DRB#: _____ EPC#: _____ Work Order#: _____
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City Address: 5640 4th Street NW

Engineering Firm: Anderson Wahlen & Associates Contact: Kirk Randall
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Phone#: 801-410-8520 Fax#: 801-521-9551 E-mail: kirk@awaeng.com

Owner: Smith's Food & Drug Centers, Inc. Contact: Roger Gough
Address: 1550 South Redwood Road, Salt Lake City, Ut 84104
Phone#: 801-974-1529 Fax#: 801-974-1628 E-mail: roger.gough@sfdc.com

Architect: _____ Contact: _____
Address: _____
Phone#: _____ Fax#: _____ E-mail: _____

Surveyor: _____ Contact: _____
Address: _____
Phone#: _____ Fax#: _____ E-mail: _____

Contractor: _____ Contact: _____
Address: _____
Phone#: _____ Fax#: _____ E-mail: _____

TYPE OF SUBMITTAL:

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- ☐ PAVING PERMIT APPROVAL
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- ☐ SO-19 APPROVAL
- ☐ ESC PERMIT APPROVAL
- ☐ ESC CERT. ACCEPTANCE
- ☐ OTHER (SPECIFY) _____



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

DATE SUBMITTED: 11-18-2015 By: Kirk Randall

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ANDERSON WAHLEN & ASSOCIATES

November 16, 2015

City of Albuquerque
Planning Department
Development Review Services Division
600 2nd St. NW, Suite 201
Albuquerque, NM 87102

RE: Smith's #423 Fuel Center
5640 4th Street NW, Albuquerque NM

TCL Submittal Letter

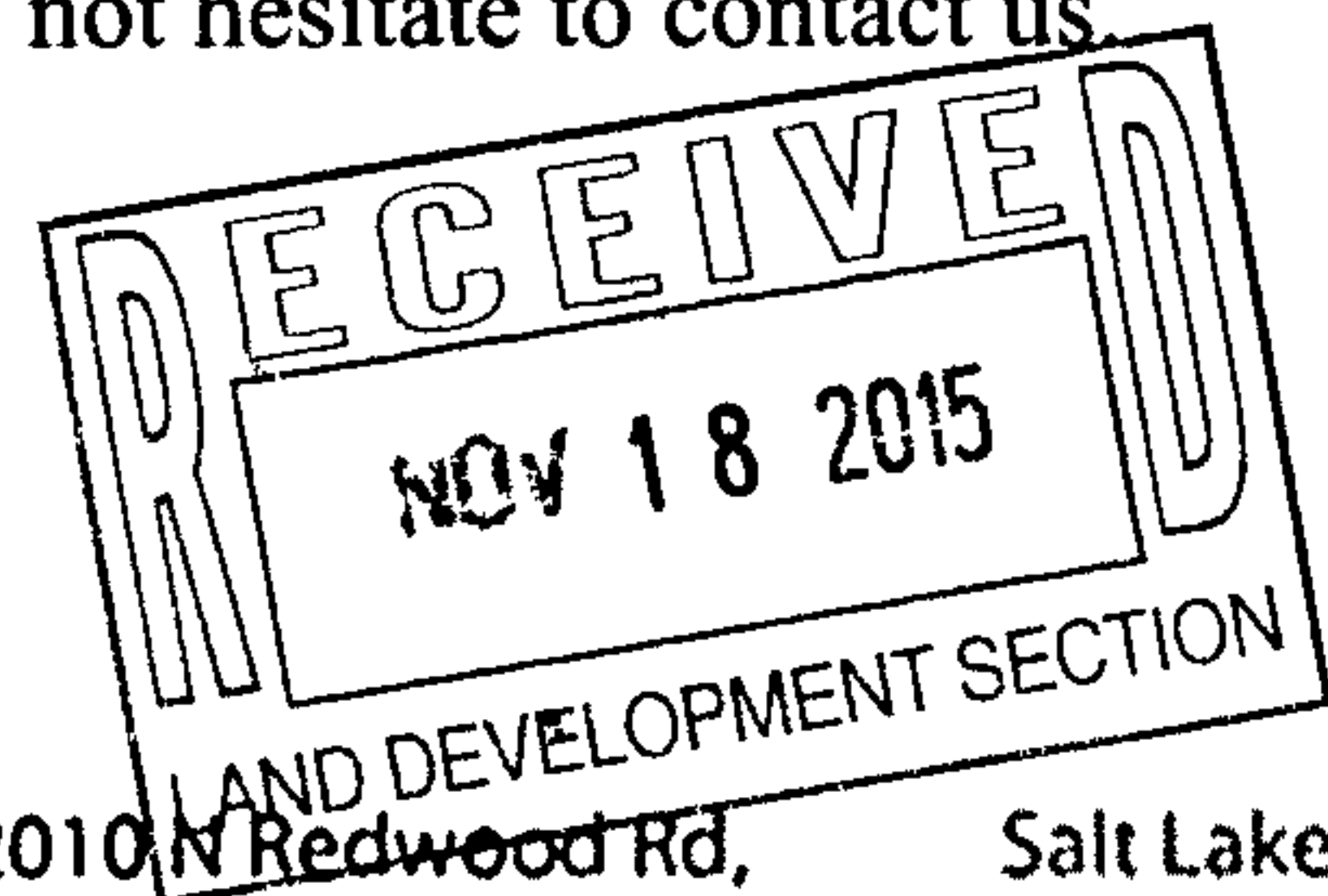
Smith's Food and Drug Centers is proposing to construct a new fuel center at the Southeast corner of 4th Street and Gene Avenue. This site is an old existing gas station and garage which will be demolished and a new fuel center constructed. The site contains 0.51 acres, is currently zoned C-2 and lies within the NFMXD District of the North 4th Street Corridor Plan. The fuel center will consist of an overhead canopy (43'x 92') and a cashier's kiosk (240 square feet). The kiosk will be remotely located from its traditional position under the canopy to a location on Gene Street. It contains one restroom for employee use. The kiosk will sell small conveniences such as candy, ice, and oil. The facility will provide six multi-product dispensers for a total of twelve fueling positions. The attendant will be available during regular store hours of 07:00 am to 11:00 pm with pay at the pump option available 24 hours. There are two underground storage tanks. One is 20,000 gallons and the other a 10,000/8,000 gallon dual split tank.

Smith's has met with planning in PRT and DRT meetings to review the site plan and determine how it best can comply with the requirements of the Corridor Plan. Kym Dicome has asked that Andrew Garcia contact her about the DRT approval.

There are two existing driveways along 4th Street, one will be closed and one will be widened and improved to city standards to accommodate circulation. There are also two driveways along Gene Street, one will be closed and it is proposed that the second one remain as it exists to reduce the impact to the neighboring residential driveway. These two driveways will provide access and circulation through the site. A trip generation letter is attached indicating the trips generated from this fuel center. Traffic will circulate around the perimeter of the fuel center in drive aisles that will allow stacking and circulation as demonstrated on the site plan.

We appreciate your consideration and review and please do not hesitate to contact us.

Sincerely,
Kirk Randall
Senior Project Manager



Smith's #423 Fuel Center Trip Generation

The following discusses the findings of counts at Smith's fuel centers. Two Smith's gas stations located in Edgewood and Santa Fe New Mexico were counted in June 2007 during the PM peak periods. Three additional fuel centers located in Albuquerque were counted in June 2010. The fuel center counts for the five fuel center sites are summarized in the following table:

Smith's Fuel Centers Table One New Mexico Fuel Center Counts			
	Number of Dispensers	Trips Counted	Average Trips per Dispenser
Edgewood #424	8	134 Trips	16.75
Santa Fe #461	10	130 Trips	13.00
Coors & Central #498	10	143 Trips	14.30
Lomas & San Pedro #446	10	110 Trips	11.0
Eubank & Juan Tabo #494	8	152 Trips	19.0
Average		134 Trips	14.81

The pm peak hours from 4:00 p.m. to 6:00 p.m. were counted for each fuel center on a normal weekday as those are the highest hours of the day and the peak hour within those times was used for trips counted.

The average trip rate per dispenser = 14.81 in the p.m. peak

According to the Institute of Transportation Engineers (Eighth Edition) Trip Generation Manual, Service Stations (Land Use 944) average trip rate per dispenser = 15.65 in the p.m. peak and that they have 56% pass-by traffic in the PM.

Using the more conservative ITE Manual trip rate, the Smith's #423 Fuel Center is projected to generate the following weekday peak hour trips based on 6 mpd or 12 dispensers.

PM Fuel Center Trips $(15.65 \times 12) = 188$ Trips

PM Fuel Center peak hour trips = $188 \times 56\%$ pass by reduction = 82 Trips.

Assuming a 50% inbound and 50% outbound directional distribution, the Smith's Fuel Center is projected to generate the following weekday peak hour trips.

Projected New PM Peak Fuel Center Trips = 41 inbound and 41 outbound