

Planning Department Transportation Development Services

September 2, 2015

Dan Herr, RA Slagle Herr Architects 413 2nd St., NW Albuquerque, NM 87102

Re: Parking Expansion for Dr. Haltom

10433 Lagrima De Oro

Traffic Circulation Layout - Revised

Engineer's/Architect's Stamp dated 8-28-15 (F21-D052)

Dear Mr. Herr,

The TCL submittal received 8-31-15 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.

PO Box 1293

Albuquerque

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 <u>Drainage and Transportation Information Sheet</u> to front counter personnel for log in and evaluation by Transportation.

New Mexico 87103

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.

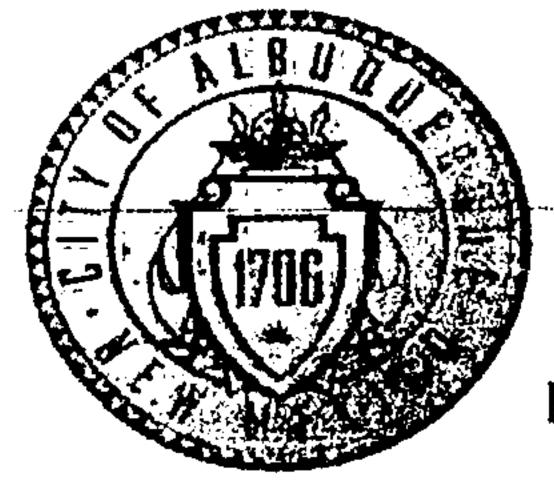
www.cabq.gov

Racquel M. Michel, P.E.

Sincerely,

Traffic Engineer, Planning Dept. Development Review Services

\gs via: email C: CO Clerk, File



Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

DRIBM:	Project Title: Parking Expansion for Dr. F	altom	Building Permit#	•	City Drainage #: F21-0052
City Address: 10433 Lagrima de Oro Engincerting Firm: Rio Grande Engineering Contact: David Soule Address: 1606 Central, Suite 201 B72-2999 Fax#: 872-2205 II-mail: david@riograndeengineering.com Owner: Haltom Family Ltd. Pthrs Contact: Tucker Haltom Address: 253 Spring Creek PI NE, Albuquerque, 87122 Fax#: E-mail: haltom@aol.com Architect: Slagle Herr Architects Contact: Contact: Dan Herr Address: 413 2nd Street SW, Albuquerque, NM 87102 E-mail: dan@alagleherr.com Surveyor: Tony Harris Contact: Tony Harris Address: 2412-D Monroe St NE, Albuquerque, NM 87110 E-mail: surveyh@swcp.com Surveyor: Tony Harris Contact: Tony Harris Address: 2412-D Monroe St NE, Albuquerque, NM 87110 E-mail: surveyh@swcp.com Contractor: undetermined Contact: Contact: Contractor: undetermined Contact: Contact: TYPE OF SUBMITTAL: Supplemen	DRB#:	EPC#:		Work O	
Engineering Pirm: Rio Grande Engineering Address: 1806 Central, Suite 201 Phone#: 872-0999 Fax#: 872-2205 B-mail: david@riograndeergineering.com Owner: Haltom Family Ltd. Phors Address: 253 Spring Creek PI NE, Albuquerque, 87122 Phone#: 525-5185 Fax#: B-mail: hallom@aol.com Architect: Slagle Herr Architects Address: 413 2nd Street SW, Albuquerque, NM 87102 Phone#: 246-0870 Fax#: B-mail: dan@slagleherr.com Surveyor: Tony Harris Address: 2412-D Monroe St NE, Albuquerque, NM 87110 Phone#: 889-8056 Fax#: B-mail: surveyh@swcp.com Contact: Tony Harris Address: 2412-D Monroe St NE, Albuquerque, NM 87110 Phone#: Fax#: B-mail: surveyh@swcp.com Contactor: undetermined Contact Address: Phone#: Fax#: B-mail: surveyh@swcp.com Contactor: undetermined Contact DRAINAGE PLAN Ist SUBMITTAL: Surveyh@swcp.com CHECK TYPE OF APPROVAL/ACCEPTANCE SOUGHT: SIAFINANCIAL QUARANTEE RELEASE DRAINAGE PLAN Ist SUBMITTAL: Surveyhalter RelEASE DRAINAGE PLAN RESUBMITTAL S. DEV. PLAN FOR SUB D APPROVAL CONCEPTUAL G & D PLAN SECTOR PLAN APPROVAL GRADING PLAN SEDIMENT CONTROL PLAN (ESC) ENGINEER'S CERT (HYDROLOGY) CLOMRLOMR X TRAFFIC CIRCULATION LAYOUT (TCL) ENGINEER'S CERT (TCR) SITE PLAN) ESCORPHAN PAPROVAL ESC PERMIT APPROVAL	Legal Description: Lot 3-A, Lands of Brya	nt Witaker			
Address: 1606 Central, Suite 201 Phone#: 872-0999 Fax#: 872-2205 E-mail: david@riograndeengineering.com Owner: Haltom Family Ltd. Ptnrs Contact: Tucker Haltom Addiress: 253 Spring Creek PI NE, Albuquerque, 87122 Phone#: 856-5185 Fax#: E-mail: haltom@aol.com Architect: Slagle Herr Architects Contact: Dan Herr Address: 413 2nd Street SW, Albuquerque, NM 87102 Phone#: 246-0870 Fax#: E-mail: dan@slagleherr.com Surveyer: Tony Harris Contact: Tony Harris Address: 2412-D Monroe St NE, Albuquerque, NM 87110 Phone#: 889-8056 Fax#: 889-8645 E-mail: surveyh@swcp.com Contracter: undetermined Contact: Tony Harris Address: Phone#: Fax#: E-mail: surveyh@swcp.com Contracter: undetermined Contact: Tony Harris Address: Phone#: Fax#: E-mail: surveyh@swcp.com Contracter: undetermined Contact: Tony Harris Contact: Tony Harris Co	City Address: 10433 Lagrima de Oro			······································	
Address: 1606 Central, Suite 201 Phone#: 872-0999 Fax#: 872-2205 E-mail: david@riograndeengineering.com Owner: Haltom Family Ltd. Ptors Contact: Tucker Haltom Address: 253 Spring Creek PI NE, Albuquerque, 87122 Phone#: 856-5185 Fax#; E-mail: haltom@aol.com Architect: Slagle Herr Architects Contact: Dan Herr Address: 413 2nd Street SW, Albuquerque, NM 87102 Phone#: 246-0870 Fax#: E-mail: dan@slagleherr.com Surveyer: Tony Harris Contact: Tony Harris Address: 2412-D Monroe St NE, Albuquerque, NM 87110 Phone#: 412-D Monroe St NE, Albuquerque, NM 87110 B89-8056 Fax#: 889-8645 E-mail: Surveyh@swcp.com Contractor: undetermined Contact: Tony Harris Address: Phone#: Fax#: E-mail: Surveyh@swcp.com Contractor: undetermined Contact: Tony Harris Address: Phone#: Siaminance Plan ist Submittal: Siaminance Plan Resubmittal: Siaminance Plan	Engineering Firm: Rio Grande Engineering	ng		Contact	: David Soule
Phone#: 872-0999 Fbx#: 872-2205 E-mail: david@riograndeengineering.com Owner: Haltom Family Ltd. Ptnrs Contact: Tucker Haltom Address: 253 Spring Creek PI NE, Albuquerque, 87122 Phone#: 856-5185 Fbx#: E-mail: halfom@aol.com Architect: Slagle Herr Architects Contact: Dan Herr Address: 413 2nd Street SW, Albuquerque, NM 87102 Phone#: 246-0870 Fax#: E-mail: dan@slagleherr.com Surveyer: Tony Harris Contact: Tony Harris Address: 2412-D Monroe St NE, Albuquerque, NM 87110 889-8056 Fax#: 889-8645 E-mail: surveyh@swcp.com Contractor: undetermined Contact: Tony Harris Address: Phone#: Fax#: E-mail: Surveyh@swcp.com Contractor: undetermined Contact: Tony Harris Address: Phone#: Fax#: E-mail: Surveyh@swcp.com Contractor: undetermined Contact: Tony Harris Address: Phone#: Fax#: E-mail: Surveyh@swcp.com Contractor: undetermined Contact: Tony Harris Address: Phone#: Fax#: E-mail: Surveyh@swcp.com Contact: Tony Harris Contact: Tony Harris Address: Phone#: Fax#: E-mail: Surveyh@swcp.com Contact: Tony Harris Contact: Tony Harris Address: Phone#: Sep-8645 E-mail: Surveyh@swcp.com Contact: Tony Harris Contact: Tony Harris Address: Phone#: Sep-8645 E-mail: Surveyh@swcp.com Contact: Tony Harris Contact: Tony Harris Address: Phone#: Sep-8645 E-mail: Surveyh@swcp.com Contact: Tony Harris Contact: Tony Harris Address: Sep-8645 E-mail: Surveyh@swcp.com Contact: Tony Harris Contact: Tony Harris Address: 2412-D Monroe St NE, Albuquerque, NM 87110 Address: 2412-D Monroe St NE, Albuquerque, NM 87		<u></u>	· ,· ··· , · · · · · · · · · · · · ·		
Address: Phone#: Slagle Herr Architects Address: Phone#: Slagle Herr Architects Address: Phone#: Slagle Herr Architects Address: Phone#: Tony Harris Address: 2412-D Monroe St NE, Albuquerque, NM 87102 Phone#: B89-8056 Fax#: S89-8645 Contractor: undetermined Address: Phone#: Fax#: B89-8645 Contractor: undetermined Contractor: undetermined Address: Phone#: Fax#: E-mail: surveyh@swcp.com Contractor: undetermined Contractor: undetermined Contractor: DRAINAGE REPORT DRAINAGE REPORT DRAINAGE PLAN Ist SUBMITTAL: DRAINAGE PLAN RESUBMITTAL CONCEPTUAL G & D PLAN GRADING PLAN GRADING PLAN GRADING PLAN GRADING PLAN EROSION & SEDIMENT CONTROL PLAN (ESC) ENGINEER'S CERT (HYDROLOGY) CLOMR/LOMR X TRAFFIC CIRCULATION LAYOUT (TCL) ENGINEER'S CERT (GRB SITE PLAN) GRADING PERMIT APPROVAL ENGINEER'S CERT (GRB SITE PLAN) GRADING PERMIT APPROVAL ENGINEER'S CERT (GRB SITE PLAN) GRADING PERMIT APPROVAL ESC PERMIT APPROVAL		Fax#: 8	72-2205	E-mail:	david@riograndeengineering.com
Phone#: 856-5185 Fax#: E-mail: haltom@aol.com Architect: Slagle Herr Architects Contact: Dan Herr Address: 413 2nd Street SW, Albuquerque, NM 87102 Phone#: Tony Harris Contact: Tony Harris Cont	Owner: Haltom Family Ltd. Ptnrs			Contact	: Tucker Haltom
Architect: Slagle Herr Architects Address: 413 2nd Street SW, Albuquerque, NM 87102 Phone#: 246-0870 Fax#: E-mail: dan@siagleherr.com Surveyor: Tony Harris Address: 2412-D Monroe St NE, Albuquerque, NM 87110 Phone#: Ba9-8056 Fax#: 889-8645 E-mail: surveyh@swcp.com Contractor: undetermined Contact: Dan Herr Address: Contact: Tony Harris Contact: Tony Harris Contact: Surveyh@swcp.com Contractor: undetermined Contact: E-mail: Surveyh@swcp.com Contact: Surveyh@swcp.com Contact: Dan Herr Address: Tony Harris Contact: Tony Harris Con	Address: 253 Spring Creek Pl NE, Albuq	Jerque, 87122		- 	
Address: 413 2nd Street SW, Albuquerque, NM 87102 Phone#: 246-0870 Fax#: E-mail: dan@slagleherr.com Surveyer: Tony Harris Contact: Tony Harris Address: 2412-D Monroe St NE, Albuquerque, NM 87110 Phone#: 889-8056 Fax#: 889-8645 E-mail: surveyh@swcp.com Contractor: undetermined Contact: Address: Phone#: Fax#: E-mail: TYPE OF SUBMITTAL: CHECK TYPE OF APPROVAL/ACCEPTANCE SOUGHT: DRAINAGE REPORT SIA/FINANCIAL GUARANTEE RELEASE DRAINAGE PLAN 1st SUBMITTAL S. DEV. PLAN POR SUB'D APPROVAL CONCEPTUAL G & D PLAN SECTOR PLAN APPROVAL GRADING PLAN SECTOR PLAN APPROVAL ENGINEER'S CERT (HYDROLOGY) CERTIFICATE OF OCCUPANCY (PERM) ENGINEER'S CERT (TCL) SUILIDING PERMIT APPROVAL ENGINEER'S CERT (TCL) SUILIDING PERMIT APPROVAL ENGINEER'S CERT (DRB SITE PLAN) GRADING PERMIT APPROVAL ENGINEER'S CERT (DRB SITE PLAN) GRADING PERMIT APPROVAL ENGINEER'S CERT (ESC) PAPROVAL SO-19 APPROVAL ENGINEER'S CERT (ESC) PAPROVAL SO-19 APPROVAL ENGINEER'S CERT (ESC) PAVING PERMIT APPROVAL ENGINEER'S CERT (ESC) PAPROVAL SO-19 APPROVAL ENGINEER'S CERT (ESC) PAPROVAL ESC PERMIT APPROVAL	Phone#: 856-5185	Fax#:	······································	E-mail:	haltom@aol.com
Phone#: 246-0870 Fax#: E-mail: dan@slagleherr.com Surveyor: Tony Harris Contact: Tony Harris Address: 2412-D Monroe St NE, Albuquerque, NM 87110 Phone#: 889-8056 Fax#: 889-8645 E-mail: surveyh@swcp.com Contractor: undetermined Contact: Address: Phone#: Fax#: E-mail: Surveyh@swcp.com Contact: TYPE OF SUBMITTAL: E-mail: DRAINAGE REPORT SIA/FINANCIAL GUARANTEE RELEASE DRAINAGE PLAN 1st SUBMITTAL PRELIMINARY PLAT APPROVAL DRAINAGE PLAN RESUBMITTAL S. DEV. FOR BLDG. PERMIT APPROVAL CONCEPTUAL G & D PLAN SECTOR PLAN APPROVAL GRADING PLAN SECTOR PLAN APPROVAL EROSION & SEDIMENT CONTROL PLAN (ESC) ENGINEER'S CERT (ITYDROLOGY) CLOMR/LOMR CERTIFICATE OF OCCUPANCY (PERM) TRAFFIC CIRCULATION LAYOUT (TCL) FOUNDATION PERMIT APPROVAL ENGINEER'S CERT (ICL) X BUILDING PERMIT APPROVAL ENGINEER'S CERT (DRB SITE PLAN) GRADING PERMIT APPROVAL ENGINEER'S CERT (DRB SITE PLAN) GRADING PERMIT APPROVAL ENGINEER'S CERT (ESC) PAVING PERMIT APPROVAL ENGINEER'S CERT (ESC) ESC PERMIT APPROVAL ENGINEER'S CERT (ESC) PAVING PERMIT APPROVAL ENGINEER'S CERT (ESC) ESC PERMIT APPROVAL ENGINEER'S CERT (ESC) ESC PERMIT APPROVAL	Architect: Slagle Herr Architects			Contact	: Dan Herr
Surveyor: Tony Harris Address: 2412-D Monroe St NE, Albuquerque, NM 87110 Phone#: 889-8056 Fax#: 889-8645 E-mail: surveyh@swcp.com Contractor: undetermined Contact: TYPE OF SUBMITTAL: DRAINAGE REPORT DRAINAGE PLAN 1st SUBMITTAL DRAINAGE PLAN 1st SUBMITTAL CONCEPTUAL G & D PLAN GRADING PLAN EROSION & SEDIMENT CONTROL PLAN (ESC) ENGINEER'S CERT (TIYDROLOGY) CLOMR/LOMR TRAFFIC CIRCULATION LAYOUT (TCL) ENGINEER'S CERT (TCL) ENGINEER'S CERT (TCL) ENGINEER'S CERT (TCL) ENGINEER'S CERT (DRB SITE PLAN) EROSION & SEDIMENT APPROVAL SOLUPIAN APPROVAL CERTIFICATE OF OCCUPANCY (PERM) CERTIFICATE OF OCCUPANCY (TCL TEMP) FOUNDATION PERMIT APPROVAL SOLUPIAN APPR	Address: 413 2nd Street SW, Albuquerqu	e, NM 87102			
Address: 2412-D Monroe St NE, Albuquerque, NM 87110 Phone#: 889-8056 Fax#: 889-8645 E-mail: surveyh@swcp.com Contractor: undetermined Contact: Address: Phone#: Fax#: E-mail: TYPE OF SUBMITTAL: CHECK TYPE OF APPROVAL/ACCEPTANCE SOUGHT: DRAINAGE REPORT SIA/FINANCIAL GUARANTEE RELEASE DRAINAGE PLAN 1st SUBMITTAL S. DEV. PLAN FOR SUB'D APPROVAL CONCEPTUAL G & D PLAN S. DEV. FOR BLDG. PERMIT APPROVAL GRADING PLAN SECTOR PLAN APPROVAL EROSION & SEDIMENT CONTROL PLAN (ESC) EROSION & SEDIMENT CONTROL PLAN (ESC) CLOMR/LOMR TRAFFIC CIRCULATION LAYOUT (TCL) ENGINEER'S CERT (TCL) ENGINEER'S CERT (TCL) ENGINEER'S CERT (DRB SITE PLAN) ENGINEER'S CERT (ESC) PAVING PERMIT APPROVAL ESC PERMIT APPROVAL	Phone#: 246-0870	Fax#:		E-mail:	dan@slagleherr.com
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OTHER (SPECIFY) GRADING CERTIFICATION OTHER (SPECIFY)					
WAS A PRE-DESIGN CONFERENCE ATTENDED: Yes x No Copy Provided	WAS A PRE-DESIGN CONFERENCE ATT	ENDED:	Yes x No C	Copy Provid	le d
DATE SUBMITTED: 8/31/2015 By: Dan Herr		•			

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Planning Department Transportation Development Services

July 31, 2015

Dan Herr, RA Slagle Herr Architects 413 2nd St., NW Albuquerque, NM 87102

Parking Expansion for Dr. Haltom Re: 10433 Lagrima De Oro **Traffic Circulation Layout** Engineer's/Architect's Stamp dated 7-28-15 (F21-D052)

Dear Mr. Herr,

PO Box 1293

Based upon the information provided in your submittal received 7-28-15, the above referenced plan cannot be approved for Building Permit until the following comments are addressed:

Albuquerque

- Clarify the extents of the development to the west of the existing building. Please detail property lines. If parcels have been re-platted, please provide documentation of platting action.
- Due to the increase in parking spaces, an additional Handicap parking space will be required. Removal of the island south of the existing marked pedestrian walkway can accommodate the additional ADA parking space.

New Mexico 87103

Please include a copy of your shared access agreement with the adjacent property owner, if applicable.

www.cabq.gov

Please include two copies of the traffic circulation layout at the next submittal.

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 me at (505) 924-3630.

Racquel M. Michel, P.E.

Senior Engineer, Planning Dept. Development Review Services

File, CO Clerk



Planning Department

Development & Building Services Division DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

Project Title: Parking Expansion for Dr. Haltom	Building Permit	#: City Drainage #: (2113)52
DRB#:	PC#:	Work Order#:
Legal Description: Lot 3-A, Lands of Bryant Witak	er	
City Address: 10433 Lagrima de Oro		
Engineering Firm: Rio Grande Engineering		Contact: David Soule
Address: 1606 Central, Suite 201		
Phone#: 872-0999 Fa	ax#: 872-2205	E-mail: david@riograndeengineering.com
Owner: Haltom Family Ltd. Ptnrs		Contact: Tucker Haltom
Address: 253 Spring Creek Pl NE, Albuquerque,	87122	
Phone#: 856-5185	ax#:	E-mail: haltom@aol.com
Architect: Slagle Herr Architects		Contact: Dan Herr
Address: 413 2nd Street SW, Albuquerque, NM 8	7102	
Phone#: 246-0870 Fa	ax#:	E-mail: dan@slagleherr.com
Surveyor: Tony Harris		Contact: Tony Harris
Address: 2412-D Monroe St NE, Albuquerque, NM	87110	
Phone#: 889-8056 Fa	3x#: 889-8645	E-mail: surveyh@swcp.com
Contractor: undetermined		Contact:
Address:		
Phone#: Fa	ax#:	E-mail:
TYPE OF SUBMITTAL:	CHECK TYPE OF APPRO	OVAL/ACCEPTANCE SOUGHT:
DRAINAGE REPORT	SIA/FINANCIAL GUARA	ANTEE RELEASE
DRAINAGE PLAN 1st SUBMITTAL	PRELIMINARY PLAT AI	PPROVAL
DRAINAGE PLAN RESUBMITTAL	S. DEV. PLAN FOR SUB	'D APPROVAL
CONCEPTUAL G & D PLAN	S. DEV. FOR BLDG. PER	MIT APPROVAL
GRADING PLAN	SECTOR PLAN APPROV	AL
EROSION & SEDIMENT CONTROL PLAN	(ESC) FINAL PLAT APPROVAI	L 101 28 20:5
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CLOMR/LOMR	CERTIFICATE OF OCCU	JPANCY (TCL TEMP) LAND DEVELOPMENT SECTION
x TRAFFIC CIRCULATION LAYOUT (TCL)	FOUNDATION PERMIT	APPROVAL
ENGINEER'S CERT (TCL)	× BUILDING PERMIT APP	ROVAL
ENGINEER'S CERT (DRB SITE PLAN)	GRADING PERMIT APPI	ROVAL SO-19 APPROVAL
ENGINEER'S CERT (ESC)	PAVING PERMIT APPRO	OVAL ESC PERMIT APPROVAL
SO-19	WORK ORDER APPROV	ESC CERT. ACCEPTANCE
OTHER (SPECIFY)	GRADING CERTIFICATI	IONOTHER (SPECIFY)
WAS A PRE-DESIGN CONFERENCE ATTENDED): Yes x No	Copy Provided
DATE SUBMITTED: 8/28/2015	By: Dan Herr	· ····································

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August 5, 2015

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

RE: Haltom Dental Office 10433 LaGrima Del Oro NE Grading and Drainage Plan Engineers Stamp Date 8/3/15 (F21D052)

Dear Mr. Soule,

Based upon the information provided in your submittal received 8/4/15, 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. Once the project is complete send the Hydrology Department a PDF of the As-Built for our records.

Albuquerque

PO Box 1293

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

Sincerely,

New Mexico 87103

www.cabq.gov

Rita Harmon, P.E.

Senior Engineer, Hydrology

Planning Department

RR/RH C: File

July 30, 2015



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

RE: Haltom Dental

10433 LaGrima Del Oro NE Grading and Drainage Plan Engineers Stamp Date 7/1/15 (F21D052)

Dear Mr. Soule,

Based upon the information provided in your submittal received 7/2/15, this plan cannot be approved for Grading Permit and Paving Permit until the following comments are addressed.

- Provide build notes on the G&D plan. ADDED
- Provide the benchmark. ADDED
- Provide a date on the signature line/remove X-XX-13. ADDED
- Provide a curb cut in the Southeast corner of parking lot. ADDED
- Depress all landscaping areas. ADDED
- Provide spot elevations along swale. ADDED
- Provide invert at beginning of swale. ADDED
- Show location of wall in Bio Swale Detail ADDED
- Extend sidewalk culvert 2 feet inside property line. ADDEC

Albuquerque

PO Box 1293

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

Sincerely,

New Mexico 87103

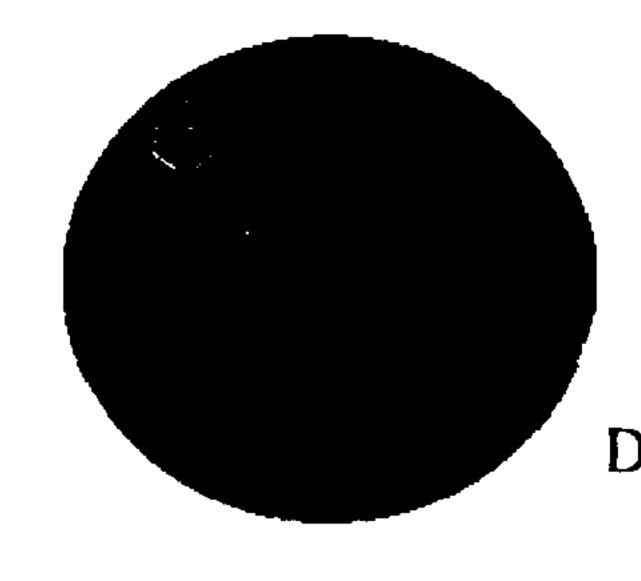
www.cabq.gov

Rita Harmon, P.E.

Senior Engineer, Hydrology

Planning Department

RR/RH C: File



Planning Department

Development & Building Services Division DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

Project Title: hALTOM DENTAL		Building Permit #:	City Drainage #: F21-D52
DRB#:	EPC#:		Work Order#:
Legal Description: LOT 2A LANDS OF BRYANT AN	D WITAKER		
City Address: 10433 LAGRIMA DEL ORO NE			
Engineering Firm: RIO GRANDE ENGINEERING			Contact: DAVID SOULE
Address: PO BOX 93924, ALBUQUERQUE, NM 871	99		
Phone#: 505.321.9099	Fax#: 505.872.0999		E-mail: DAVID@RIOGRANDEENGINEERING.COM
Owner: TUCKER HALTOM PROFIT SHARE PLAN			Contact:
Address: 10433 LAGRIMA DEL OROST NE 87111			
Phone#:	Fax#:		E-mail:
Architect: JOE SLAGLE			Contact:
Address:			· · · · · · · · · · · · · · · · · · ·
Phone#:	Fax#:		E-mail:
Surveyor: CONSTRUCTION SURVEY INCORPORA Address:	ATED	<u> </u>	Contact: JOHN GALLEGOS
Phone#: 917.8921	Fax#:		E-mail:
Contractor:			Contact:
Address:			Comaci.
Phone#:	Fax#:		E-mail:
TYPE OF SUBMITTAL:	CHE	CK TYPE OF APPROVA	AL/ACCEPTANCE SOUGHT:
DRAINAGE REPORT		/FINANCIAL GUARANT	
DRAINAGE PLAN 1st SUBMITTAL	PRI	ELIMINARY PLAT APPR	(0V和) [2] (TAVO)
× DRAINAGE PLAN RESUBMITTAL	S. I	DEV. PLAN FOR SUB'D	APPROMAE US LS US
CONCEPTUAL G & D PLAN	S. I	EV. FOR BLDG. PERMI	TAPPROVALUE 0 4 2015
GRADING PLAN	SE(CTOR PLAN APPROVAL	
EROSION & SEDIMENT CONTROL PLA		AL PLAT APPROVAL	
ENGINEER'S CERT (HYDROLOGY)	CE	RTIFICATE OF OCCUPA	NCY-APERDEVELOPMENT SECTION
CLOMR/LOMR	CE	RTIFICATE OF OCCUPA	NCY (TCL TEMP) Aovarifieel
TRAFFIC CIRCULATION LAYOUT (TC)		JNDATION PERMIT API	EVVO I
ENGINEER'S CERT (TCL)		LDING PERMIT APPRO	
ENGINEER'S CERT (DRB SITE PLAN)		ADING PERMIT APPRO	
ENGINEER'S CERT (ESC)		VING PERMIT APPROVA	**************************************
X SO-19		RK ORDER APPROVAL	
OTHER (SPECIFY)	GR.	ADING CERTIFICATION	OTHER (SPECIFY)
WAS A PRE-DESIGN CONFERENCE ATTEND	ED: Yes	X No Co	py Provided
DATE SUBMITTED: 7/1/15	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

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July 30, 2015



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

RE: Haltom Dental 10433 LaGrima Del Oro NE Grading and Drainage Plan Engineers Stamp Date 7/1/15 (F21D052)

Dear Mr. Soule,

Based upon the information provided in your submittal received 7/2/15, this plan cannot be approved for Grading Permit and Paving Permit until the following comments are addressed.

- Provide build notes on the G&D plan.
- Provide the benchmark.
- Provide a date on the signature line/remove X-XX-13.
- Provide a curb cut in the Southeast corner of parking lot.
- Depress all landscaping areas.
- Provide spot elevations along swale.
- Provide invert at beginning of swale.
- Show location of wall in Bio Swale Detail.
- Extend sidewalk culvert 2 feet inside property line.

Albuquerque

PO Box 1293

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

Sincerely,

New Mexico 87103

www.cabq.gov

Rita Harmon, P.E.

Senior Engineer, Hydrology

Planning Department

RR/RH C: File



Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

Project Title: hALTOM DENTAL	Building Permit #:	City Drainage #: 21 (X
DRB#: EPC#:		Work Order#:
Legal Description: LOT 2A LANDS OF BRYANT AND WITAKER		
City Address: 10433 LAGRIMA DEL ORO NE		
Engineering Firm: RIO GRANDE ENGINEERING		Contact: DAVID SOULE
Address: PO BOX 93924, ALBUQUERQUE, NM 87199		
Phone#: 505.321.9099 Fax#: 505.8	72.0999	E-mail: DAVID@RIOGRANDEENGINEERING.COM
Owner: TUCKER HALTOM PROFIT SHARE PLAN		Contact:
Address: 10433 LAGRIMA DEL OROST NE 87111		
Phone#: Fax#:		E-mail:
Architect: JOE SLAGLE		Contact:
Address:		
Phone#: Fax#:	· · · · · · · · · · · · · · · · · · ·	E-mail:
Surveyor: CONSTRUCTION SURVEY INCORPORATED		Contact: JOHN GALLEGOS
Address:		
Phone#: 917.8921 Fax#:	· · · · · · · · · · · · · · · · · · ·	E-mail:
Contractor:		Contact:
Address:		
Phone#: Fax#:		E-mail:
TYPE OF SUBMITTAL:	CHECK TYPE OF APPROV	AL/ACCEPTANCE SOUGHT:
DRAINAGE REPORT	SIA/FINANCIAL GUARAN'	TEE RELEASE /
DRAINAGE PLAN 1st SUBMITTAL	PRELIMINARY PLAT APPI	ROVAL HO I profiled
× DRAINAGE PLAN RESUBMITTAL	S. DEV. PLAN FOR SUB'D	AFFROYALOO GO O O O O
CONCEPTUAL G & D PLAN	S. DEV. FOR BLDG. PERMI	n Approvation
GRADING PLAN	SECTOR PLAN APPROVAL	
EROSION & SEDIMENT CONTROL PLAN (ESC)	FINAL PLAT APPROVAL	\\
ENGINEER'S CERT (HYDROLOGY)	CERTIFICATE OF OCCUPA	
CLOMR/LOMR		NEXNO GEVELOPMENT SECTION
TRAFFIC CIRCULATION LAYOUT (TCL)	FOUNDATION PERMIT AP	PROVAL
ENGINEER'S CERT (TCL)	BUILDING PERMIT APPRO	
ENGINEER'S CERT (DRB SITE PLAN)	X GRADING PERMIT APPRO	
ENGINEER'S CERT (ESC)	X PAVING PERMIT APPROV.	**************************************
X SO-19	WORK ORDER APPROVAL	
OTHER (SPECIFY)	GRADING CERTIFICATION	
WAS A PRE-DESIGN CONFERENCE ATTENDED:	Yes X No Co	py Provided
DATE SUBMITTED: 7/1/15	By:	

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RIO GRANDE ENGINEERING OF NEW MEXICO, LLC

July 1, 2015

Hydrology Section
, Planning Department
Development Review
City of Albuquerque

RE: Grading and Drainage Plan

Haltom Dental

Dear Sir or Madam:

The purpose of this letter is to accompany the initial drainage submittal. The plan has been designed in conformance the adjacent properties drainage plans. The drainage plan allows for free discharge with first flush improvements. The site is divided into 2 basins, the north basin enters a retention pond that retains 423 cubic feet of the 606 cubic feet generated. The pond spills to a bioswale located along the sites western boundary. The southern basin enters this same bioswale via a series of 1' curb cuts. The total site generates .73 cfs which is an increase of .35 cfs from existing. The first flush volume retained is 438 cubic feet which exceed the 137 cubic feet required. Each curb opening has the capacity to convey 1.04 cfs and the swale can convey 1.06 cfs. The onsite improvements have been sized to safely pass the 100-year flow and retain in excess the first flush volume. The parking lot will be used as additional parking for the existing office to the east.

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

Sincerely,

David Soule, PE

Rio Grande Engineering

PO Box 93924

Albuquerque, New Mexico 87199

I LAND DEVELOPMENT SECTION /

Weighted E Method

LAGRIMA	DEL	ORO
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											100-Year, 6-h	ſ,	
Basin	Area	Area	Treatment	A	Treatmer	nt B	Treatm	ent C	Treatme	nt D	Weighted E	Volume	Flow
	(sf)	(acres)	%	(acres)	%	(acres)	%	(acres)	<u>%</u>]	(acres)	(ac-ft)	(ac-ft)	cfs
UPLAND	0	0.000	60%	0	20.0%	0.000	20.0%	0	0%	0.000	0.000	0.000	0.00
OVERALL EXISING	6810	0.156	70%	0.10944	30.0%	0.047	0.0%	0	0%	0.000	0.884	0.012	0.38
BASIN N	3480	0.080	0%	0	20.0%	0.016	20.0%	0.01598	60%	0.048	2.092	0.014	0.36
BASIN \$	3330	0.076	0%	0	8.0%	0.006	12.0%	0.00917	80%	0.061	2.374	0.015	0.37
PROPOSED	6810	0.156	0%	0	14.1%	0.022	16.1%	0.02515	70%	0.109	2.230	0.029	0.73

-0.025

-0.109

Equations:

Weighted E = Ea*Aa + Eb*Ab + Ec*Ac + Ed*Ad / (Total Area)

Volume = Weighted D * Total Area

COMPARISION

Flow = Qa * Aa + Qb * Ab + Qc * Ac + Qd * Ad

Where for 100-year, 6-hour storm (zone 4)

Ea= 0.8 Qa= 2.2 Eb= 1.08 Qb= 2.92 Ec= 1.46 Qc= 3.73

0.000

Ed= 2.64 Qd= 5.25

Pond volume required

FIRST FLUSH REQUIRED

134.64 cf
FIRST FLUSH PROVIDED

438.00 cf

EXISTING ONSITE DISCHARGE 0.38 CFS
PROPOSED ONSITE GENERATED 0.73 CFS
UPLAND 0.00 CFS

CURB OPENING CAPACITY

Q=CLH^1.5=2.95X1X.5^1.5=1.04 CFS

0.109

0.35

0.018

CONTRIBUTING TO POND

0.36 CFS

0.025

606.68 CUBIC FEET

NARRATIVE

THIS SITE IS AN INFILL DEVELOPMENT NEAR THE BOTTOM OF THE BEAR CANYON WATER SHED. THIS SITE IS ADJACENT TO FREE DISCHARGING PROPERTIES WE ARE PROPOSING TO RETAIN THE NORTHERN BASINS FOR WATER QUALITY AND TO REDUCE FLOW TO LESS THAN HISTORICAL. THE PARKING LOT WILL PASS OVER WATER QUALITY SWALE BEFORE LEAVING SITE. THE PROPOSED INLET WILL BE CONSTRUCTED WITH THE SO19 PERMIT PROCESS

Channel Capacity

	Top Width	Bottom Width	Depth	Area	WP	R	Slope	Q Provided	Q Required	Velocity
	(ft)	(ft)	(ft)	(ft^2)	(ft)		(%)	(cfs)	(cfs)	(ft/s)
Beginning	3	1.5	0.5	1.13	3.30	0.3406226	0.15	1.06	0.74	0.66

Manning's Equation:

 $Q = 1.49/n * A * R^{2/3} * S^{1/2}$ A = Area

R = D/4

S = Slope n = 0.03

