CITY OF ALBUQUERQUE



March 23, 2017

Jeff Wooten, PE Wooten Engineering 1368 Reynosa Loop SE Rio Rancho, NM 87124

Re: T-Mobile Retail Building

Carlisle Blvd. NE 2706

Request Permanent C.O. - Accepted

Engineer's Stamp dated: 9-15-16 (H16D148)

Certification dated: 3-13-17

Dear Mr. Wooten,

Based on the Certification received 3/14/2017, the site is acceptable for release of Certificate of Occupancy by Hydrology.

PO Box 1293

If you have any questions, you can contact me at 924-3999 or Totten Elliott at 924-3982.

Albuquerque

Sincerely.

New Mexico 87103

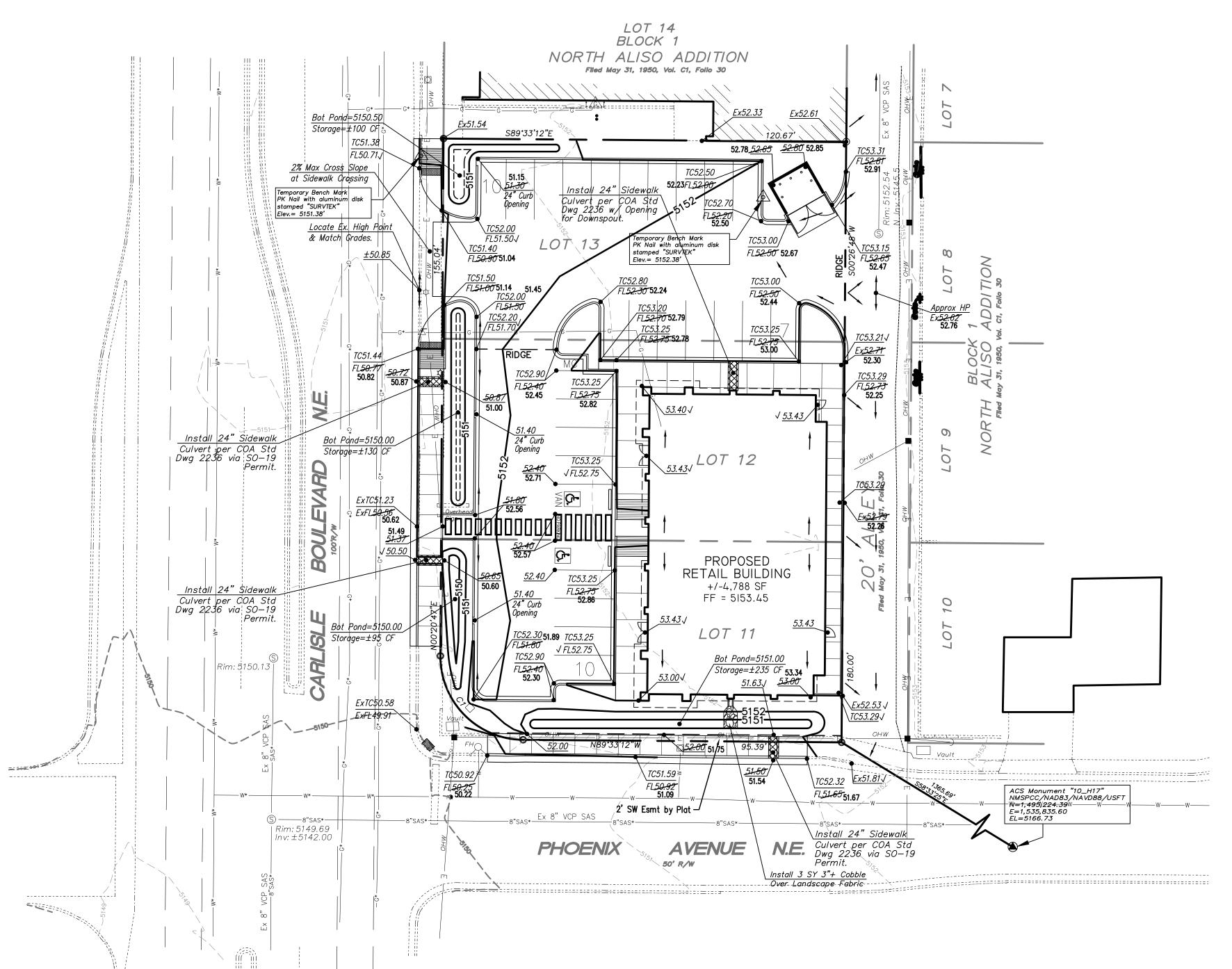
Shahah Biazar, P.E.

City Engineer, Planning Dept. Development Review Services

www.cabq.gov

TE/SB

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



I, JEFFREY T. WOOTEN, NMPE 16892, OF THE FIRM WOOTEN ENGINEERING, HEREBY CERTIFY

THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE

WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED

9/15/2016. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY RUSS HUGG, NMPS 9750, OF THE FIRM SURV-TEK. I FURTHER

REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST

OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND

INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE

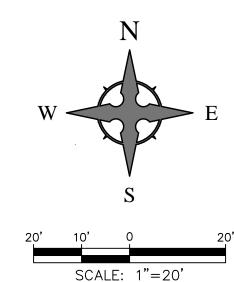
TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY

ASPECTS OF THIS PROJECT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED

CERTIFY THAT I PERSONALLY VISITED THE PROJECT SITE ON 3/13/2017 AND HAVE

DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS

REQUEST FOR FINAL CERTIFICATE OF OCCUPANCY (FINAL C.O.).



CAUTION - NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL NEW MEXICO ONE CALL (811) AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

LEGEND ----- FLOW ARROW PROPOSED TOP OF GRADE/PVMT ELEVATIONS PROPOSED FLOW LINE/GUTTER ELEVATIONS PROPOSED TOP OF CURB ELEVATIONS PROPOSED GRADE AT TOP OF WALL PROPOSED GRADE AT BOTTOM OF WALL EXISTING CONTOUR PROPOSED CONTOUR EXISTING STORM DRAIN FLOW LINE

DRAINAGE MANAGEMENT PLAN

___ RIDGE LINE

The purpose of this submittal is to provide a final drainage management plan for the Redevelopment of 2706 Carlisle Blvd NE, located at the NEC of Carlisle and Phoenix in Albuquerque, NM. The site contains approximately 0.4949 acres.

EXISTING HYDROLOGIC CONDITIONS

The site was previously developed as a car wash /dog wash facility and was 100% impervious. The site currently slopes from east to west into Carlisle Blvd.Per the Calculations table this sheet, the total existing flow leaving the site is 2.33 cfs during the 100-Yr, 6-Hr Storm Event.

PROPOSED HYDROLOGIC CONDITIONS

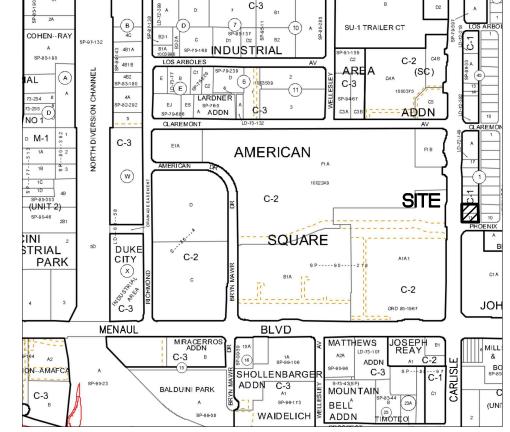
The existing building and site pavement are to be demolished and a new +/-4,800 SF Retail Building constructed with associated parking and landscaped areas. The site will continue to drain from east to west and into Carlisle Blvd. Per the Calculations Table this sheet, the site discharge will be reduced to 2.21 cfs during the 100-Yr, 6-Hr Storm Event, a reduction of 0.12 cfs under Pre-Developed conditions.

FIRST FLUSH CALCULATIONS

Per the First Flush Calculations on this sheet, the total First Flush Volume required to be collected for the site is 519 CF. We have provided four Water Harvesting Ponds on site for a total volume of ± -560 CF per the Water Harvesting Pond Calculations table this sheet.

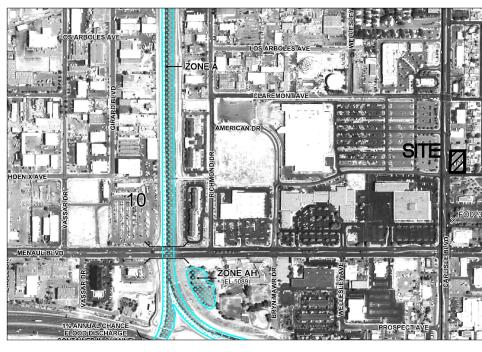
This drainage management plan provides for grading and drainage elements which reduce the impact to downstream systems; are capable of safely passing the 100 year storm, do not burden downstream systems, and meet city requirements. In addition, the proposed water harvesting ponds will help treat stormwater runoff per the DPM. With this submittal, we are requesting Building Permit approval.

Existing T-Mobile Building Drainage Calculations This table is based on the COA DPM Section 22.2, Zone: 2 Q(100) Q(100) WTE BASIN Area Area Land Treatment Percentages V(100)₃₆₀ V(100)₁₄₄₀ V(100)_{10da} A B C D (cfs/ac.) (CFS) (inches) (CF) (CF) (CF) 21558 0.49 0.0% | 0.0% | 0.0% | 100.0% | 4.70 | 2.33 | 2.12 4527 6683 TOTAL 21558 4527 6683 Proposed T-Mobile Building Drainage Calculations Ultimate Development Conditions Basin Data Table Land Treatment Percentages Q(100) Q(100) WTE BASIN Area $V(100)_{360}$ V(100)₁₄₄₀ V(100)₁₀ 0.0% | 0.0% | 15.0% | 85.0% | 4.47 | 2.21 1.97 4153 5985 21558 0.49 3542 21558 0.49 4153 5985



VICINITY MAP - Zone Atlas Page H-16

Legal Desc: Lots 11-13, Blk 1, N. Aliso Add'n, 0.4949 Acres



87109 (505)

305

AVENUE

00 LB

8

9/2/2016

AS NOTED

FIRM MAP 35001C0351H

Per FIRM Map 35001C0351H, dated August 16, 2012, the site is not located

GRADING NOTES

1. EXCEPT AS PROVIDED HEREIN, GRADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS PLAN. 2. THE COST FOR REQUIRED CONSTRUCTION DUST AND EROSION CONTROL

MEASURES SHALL BE INCIDENTAL TO THE PROJECT COST.

3. ALL WORK RELATIVE TO FOUNDATION CONSTRUCTION, SITE PREPARATION, AND PAVEMENT INSTALLATION, AS SHOWN ON THIS PLAN, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "GEOTECHNICAL INVESTIGATION," AS PROVIDED BY THE ARCHITECT OR OWNER. ALL OTHER WORK SHALL, UNLESS OTHERWISE STATED OR PROVIDED FOR HEREON. BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT, (FIRST PRIORITY) SPECIFICATIONS, AND/OR THE CITY OF ALBUQUERQUE (COA) STANDARD SPECIFICATIONS FOR PUBLIC WORKS (SECOND PRIORITY).

4. EARTH SLOPES SHALL NOT EXCEED 3 HORIZONTAL TO 1 VERTICAL UNLESS SHOWN OTHERWISE.

5. IT IS THE INTENT OF THESE PLANS THAT THIS CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE OF THE PROPERTY BOUNDARIES EXCEPT AS REQUIRED BY THIS PLAN.

6. THE CONTRACTOR IS TO ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO ADJACENT PROPERTY OR PUBLIC RIGHT-OF-WAY. THIS SHOULD BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS OR SILT FENCE AT THE PROPERTY LINES AND WETTING THE SOIL TO PROTECT IT FROM WIND EROSION.

7. A DISPOSAL SITE FOR ANY & ALL EXCESS EXCAVATION MATERIAL, AND UNSUITABLE MATERIAL AND/OR A BORROW SITE CONTAINING ACCEPTABLE FILL MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL OR BORROW SITE AND HAUL TO OR FROM SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.

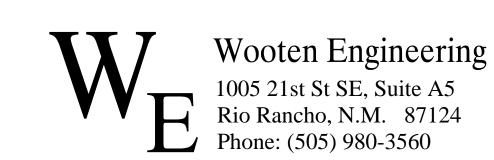
8. PAVING AND ROADWAY GRADES SHALL BE +/- 0.05' FROM PLAN ELEVATIONS. PAD ELEVATION SHALL BE +/- 0.05' FROM BUILDING PLAN

9. ALL PROPOSED CONTOURS AND SPOT ELEVATIONS REFLECT TOP OF PAVEMENT ELEVATIONS IN THE PARKING AREA AND MUST BE ADJUSTED FOR PAVEMENT, MEDIANS, AND ISLANDS.

10. VERIFY ALL ELEVATIONS SHOWN ON PLAN FROM BASIS OF ELEVATION CONTROL STATION (IF APPLICABLE) PRIOR TO BEGINNING CONSTRUCTION.

11. THE CONTRACTOR SHALL PROVIDE THE SWPPP DOCUMENT (IF NECESSARY) AND SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS, INCLUDING EPA REQUIREMENTS WITH RESPECT TO STORM

> IMPERVIOUS AREA CALCULATIONS PROPOSED SITE CONDITIONS TOTAL SITE AREA: 21,558 SF IMPERVIOUS AREA (85%): 18,324 SF FIRST FLUSH CALCULATION TOTAL IMPERVIOUS AREA = 18,324 SF FIRST FLUSH = 18,324 * 0.34" / 12 = 519 CF TOTAL VOLUME PROVIDED (4 PONDS) = 560 CF



Private Drainage Facilities within City Right-of-Way Notice to Contractor (Special Order 19 ~ "SO-19")

- 1. An excavation permit will be required before beginning any work within City Right-Of-Way.
- 2. All work on this project shall be performed in accordance with applicable federal, state and local laws, rules and regulations concerning construction safety and health.
- 3. Two working days prior to any excavation, the contractor must contact New Mexico One Call, dial "811" [or (505) 260-1990] for the location of existing utilities. 4. Prior to construction, the contractor shall excavate and verify
- the locations of all obstructions. Should a conflict exist, the contractor shall notify the engineer so that the conflict can be resolved with a minimum amount of delay.
- 5. Backfill compaction shall be according to traffic/street use. 6. Maintenance of the facility shall be the responsibility of the
- owner of the property being served. 7. Work on arterial streets shall be performed on a 24-hour basis.

CITY INSPECTOR APPROVAL

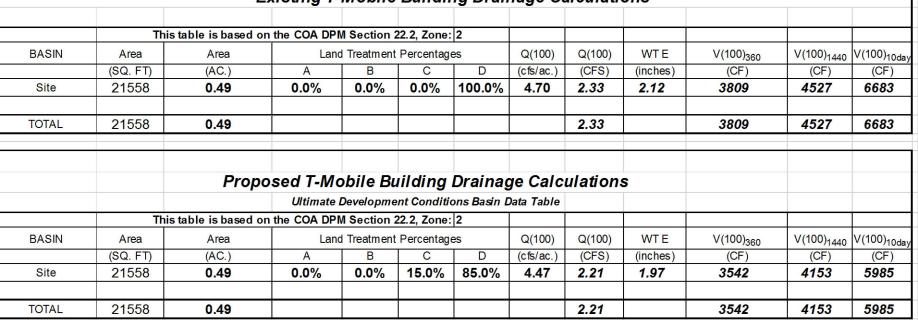
Signature

Date

JEFFREY T. WOOTEN, NMPE 16892

OTHER PURPOSE.

DRAINAGE CERTIFICATION





City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

Project Title:	Building Permit #: City Drainage #:
DRB#: EPC#:	
Legal Description:	
City Address:	
Engineering Firm:	Contact:
Address:	
Phone#: Fax#:	E-mail:
Owner:	Contact:
Address:	
Phone#: Fax#:	E-mail:
Architect:	
Address:	
	E-mail:
Other Contact:	Contact:
Address:	
Phone#: Fax#:	E-mail:
DEPARTMENT: HYDROLOGY/ DRAINAGE TRAFFIC/ TRANSPORTATION MS4/ EROSION & SEDIMENT CONTROL	CHECK TYPE OF APPROVAL/ACCEPTANCE SOUGHT:BUILDING PERMIT APPROVALCERTIFICATE OF OCCUPANCY
	CERTIFICATE OF OCCUPANCE
TYPE OF SUBMITTAL:	PRELIMINARY PLAT APPROVAL
ENGINEER/ ARCHITECT CERTIFICATION	SITE PLAN FOR SUB'D APPROVAL
CONCEPTUAL G & D PLAN	SITE PLAN FOR BLDG. PERMIT APPROVAL
GRADING PLAN	FINAL PLAT APPROVAL SIA/ RELEASE OF FINANCIAL GUARANTEE
DRAINAGE MASTER PLAN	FOUNDATION PERMIT APPROVAL
DRAINAGE REPORT	GRADING PERMIT APPROVAL
CLOMR/LOMR	SO-19 APPROVAL
	PAVING PERMIT APPROVAL
TRAFFIC CIRCULATION LAYOUT (TCL)	GRADING/ PAD CERTIFICATION
TRAFFIC IMPACT STUDY (TIS)	WORK ORDER APPROVAL
EROSION & SEDIMENT CONTROL PLAN (ESC)	CLOMR/LOMR
OTHER (SPECIFY)	PRE-DESIGN MEETING
	OTHER (SPECIFY)
IS THIS A RESUBMITTAL?: Yes No	
DATE SUBMITTED:By:	

COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: ____