



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

February 10, 1999

Phil Clark
Clark Consulting Engineer's
19 Ryan Rd
Edgewood, New Mexico 87105

RE: REQUEST FOR PAVING PERMIT FOR CENTRAL TRAILER SUPPLY (K-19/D¹²⁰~~72~~)
ENGINEER STAMP DATED 2/5/99.

Dear Mr. Clark:

Based on the information provided on your February 5, 1999 submittal, the above referenced site is approved for a paving permit.

If I can be of any further assistance, please feel free to contact me at 924-3330.

C: File

Sincerely,

Andrew Garcia
Drainage Inspector

DRAINAGE INFORMATION SHEET

PROJECT TITLE: Central Trailer Supply ZONE ATLAS/DRNG. FILE #: K-19/D120
DRB #: _____ EPC# _____ WORK ORDER #: N/A
LEGAL DESCRIPTION: LOTS 1/2, BIK. 5, Mesa Verde Add'n
CITY ADDRESS: 8300 Central Ave NE
ENGINEERING FIRM: Clark Consulting Engineers CONTACT: Philip Clark
ADDRESS: 19 Ryan Road Edgewood NM 87015 PHONE: 281-2444
OWNER: Central Trailer Supply CONTACT: Sharp
ADDRESS: 8225 Central NE 87108 PHONE: _____
ARCHITECT: N/A CONTACT: _____
ADDRESS: _____ PHONE: _____
SURVEYOR: _____ CONTACT: _____
ADDRESS: _____ PHONE: _____
PAVING CONTRACTOR: John Hale CONTACT: John
ADDRESS: _____ PHONE: 269-1096

TYPE OF SUBMITTAL:

- ☐ DRAINAGE REPORT
☐ DRAINAGE PLAN
☐ CONCEPTUAL GRADING & DRAINAGE PLAN
☒ GRADING PLAN
☐ EROSION CONTROL PLAN
☐ ENGINEER'S CERTIFICATION
☒ OTHER Paving

PRE-DESIGN MEETING:

- ☐ YES
☒ NO Telecon w/ Andrew G.
☐ COPY PROVIDED

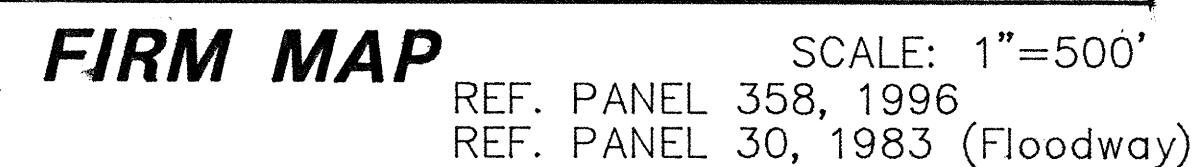
Date
270-2444

CHECK TYPE OF APPROVAL SOUGHT:

- ☐ SKETCH PLAT APPROVAL
☐ PRELIMINARY PLAT APPROVAL
☐ S.DEV. PLAN FOR SUB'D. APPROVAL
☐ S.DEV. PLAN FOR BLDG PER. APPROVAL
☐ SECTOR PLAN APPROVAL
☐ FINAL PLAT APPROVAL
☐ FOUNDATION PERMIT APPROVAL
☒ BUILDING PERMIT APPROVAL
☐ CERTIFICATE OF OCCUPANCY APPROVAL
☐ GRADING PERMIT APPROVAL
☐ PAVING PERMIT APPROVAL
☐ S.A.D. DRAINAGE REPORT
☐ DRAINAGE REQUIREMENTS
☐ SUBDIVISION CERTIFICATION
☐ OTHER _____

(Specify)

Date: 2/5/99Submitted by: Philip Clark



SITE DATA: THE EXISTING SITE IS CURRENTLY A GRAVELLED PARKING LOT USED FOR OFF-STREET PARKING NECESSARY FOR THE TRAILER SUPPLY BUSINESS LOCATED ON THE WEST SIDE OF UTAH ST. THE PROPERTY IS CURRENTLY ZONED C-2, FOR COMMERCIAL USE, AND IS LOCATED IN AN FILL AREA, AND ADJOINING PROPERTY IS DEVELOPED. UTAH STREET IS LOCATED ON THE WEST AND IS CLASSIFIED AS A MINOR COLLECTOR WITH CURB/GUTTER AND SIDEWALK. THE ROADWAY IS 40 FEET WIDE AND SITUATED WITHIN A 60' RIGHT-OF-WAY. AN EXISTING 16 FEET WIDE ASPHALT SURFACED ALLEY IS THE NORTH ADJOINER.

EXISTING DRAINAGE CONDITIONS: HISTORIC RUN-OFF HAS ESSENTIALLY SHEET FLOWED ACROSS THE SITE EXITING TO THE WEST OVER THE EXISTING SIDEWALK ALONG THE EAST SIDE OF UTAH STREET. THE PROPERTY IS ADJACENT TO A FEMA DESIGNATED FLOODPLAIN (ZONE AO 1').

NOTE: NO OFF-SITE DRAINAGE IMPACTS THE SITE.

PROPOSED IMPROVEMENTS: CONSIST OF INITIALLY REMOVING AN APPROXIMATE 2" DEPTH OF EXISTING GRAVEL SURFACING, COMPACTING THE SUBGRADE, AND PLACING ASPHALT SURFACING IN A SINGLE 2-1/2" LIFT. AN ASPHALT CURB WILL BE CONSTRUCTED ALONG A PORTION OF THE WEST PROPERTY LINE.

PROPOSED DRAINAGE CONDITIONS: DISCHARGE OF RUN-OFF ALONG NEW CURB, AND CONVEYED NORTHERLY TO THE PAVED ALLEY @ THE NORTHWEST CORNER OF THE SITE.

FREE DISCHARGE OF SITE RUNOFF IS ALLOWED SINCE THE INCREASE OF DEVELOPED FLOW IS MINIMAL, AND THE TIME TO PEAK (t_p) FOR THE LOT IS SUBSTANTIALLY LESS THAN t_p OF THE OVERALL DRAINAGE BASIN IMMEDIATELY DOWNSTREAM.

City Hydrology, Ref. File #K-19/D

I. DESIGN CRITERIA

HYDROLOGIC METHODS PER SECTION 22.2, HYDROLOGY, OF THE DEVELOPMENT PROCESS MANUAL (DPM), REVISED JANUARY 1993 FOR THE CITY OF ALBUQUERQUE AND ADOPTED BY THE COUNTY OF BERNALILLO.
DISCHARGE RATE: $Q = Q_{peak} \times AREA...$ "PEAK DISCHARGE RATES FOR SMALL WATERSHEDS"
VOLUMETRIC DISCHARGE: $VOLUME = Weighted \times AREA$
SOIL TYPE: 'B', ETC, EMBUDO SERIES, A GRAVELLY FINE SANDY LOAM AS CLASSIFIED BY THE SCG SOIL SURVEY
P100 = 2.60 INCHES, ZONE 3 TIME OF CONCENTRATION, TC = 10 MINUTES
DESIGN STORM: 100-year/6-hour, 10-year/6-hour WHERE $[] = 10$ YEAR VALUES

II. EXISTING CONDITIONS (2 - EXISTING LOTS)

STUDY AREA = 0.16 ACRES, WHERE EXCESS PRECIPITATION 'C' = 1.29 IN. [0.62]
PEAK DISCHARGE, Q100 = 0.55 CFS [0.32 CFS], WHERE UNIT PEAK DISCHARGE 'C' = 3.45 CFS/ACRE [2.0]
THEREFORE: VOLUME100 = 749 C.F. [360 C.F.]

III. DEVELOPED CONDITIONS - PAVED COMMERCIAL LOT

DETERMINE LAND TREATMENTS, PEAK DISCHARGE & WEIGHTED EXCESS PRECIPITATION

	<u>AREA</u>	<u>LAND TREATMENT</u>	<u>UNIT PEAK DISCHARGE</u>	<u>"I"</u>
UNDEVELOPED,	0.0 AC.	A	1.87[0.58]	0.66[0.19]
LANDSCAPING,	0.01 AC.	B	2.60[1.19]	0.92[0.36]
GRAVEL & COMPACTED SOIL	0.0 AC.	C	3.45[2.00]	1.29[0.62]
ROOF/PAVEMENT,	0.15 AC.	D	5.02[3.39]	2.36[1.50]
	0.21 AC. TOTAL			

$E_{weighted} = 2.27 \text{ IN. [1.4]}$
 $Q_{100} = 0.78 \text{ CUBIC FEET PER SECOND (CFS)}$ $Q_{10} = 0.52 \text{ CFS;}$ $VOL.100 = 1318 \text{ CUBIC FEET (CF),}$
 $VOL.10 = 815 \text{ C.F.}$

I, PHILIP W. CLARK, A PROFESSIONAL ENGINEER LICENSED IN ACCORDANCE WITH THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT I HAVE VISITED THE SITE SHOWN HEREON, AND THAT THE CONTOURS SHOWN REPRESENT THE EXISTING GROUND CONDITIONS, AND DO FURTHER CERTIFY THAT NO EARTHWORK OF ANY KIND, NOR ANY DISTURBANCE OF THE EXISTING GROUND HAS OCCURRED ON THIS SITE SINCE THE CONTOURS WERE DETERMINED.

PHILIP W. CLARK



EXIST. SPOT ELEV. +92.5

EXIST. CONTOUR ————— 08 —————

NEW SPOT ELEV. 73.0

NEW CONTOUR ● ————— 10 —————

TOP OF ASPHALT TA

TOP OF CURB TC, tc

FLOW LINE FL, fl

EXIST. POWER POLE P.P.

SWALE

DRAINAGE FLOW —————→

SCALE: 1"=10'

SCALE: 1"=750'

*All Work Within the Right-of-Way Shall Be Constructed
In Accordance With the City of Albuquerque Standard Specs.
For Public Works Construction, Latest Edition.*

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY R.O.W. AN APPROVED COPY OF THIS PLAN MUST BE SUBMITTED AT THE TIME OF APPLICATION.
2. ALL WORK PERFORMED ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
3. CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.
4. CONTRACTOR SHALL ENSURE THAT NO SITE SOILS/SEDIMENT OR SILT ENTER THE RIGHT-OF-WAY DURING CONSTRUCTION
5. PARKING LOT SECTION SHALL CONSIST OF 1-2" LIFT OF ASPHALT CONCRETE OVER 6" COMPACTED SUBGRADE (modified Proctor). ASPHALT CONCRETE SHALL BE TYPE B GRADATION, 1800# MARSHALL STABILITY PER COA SPECIFICATIONS.

PROJECT INFORMATION

LEGAL DESCRIPTION: LOTS 1 & 2, BLOCK 5, MESA VERDE ADDITION
CITY OF ALBUQUERQUE, NEW MEXICO
BERNALILLO COUNTY

UNIFORM PROPERTY CODE (UPC): #1 019 057 415073 41201

PROPERTY ADDRESS: 8300 CENTRAL AVENUE NE
ALBUQUERQUE, NM 87108

PROJECT BENCHMARK: TOP OF CONCRETE, A CROSS CHISELED IN THE BACK OF WHEEL CHAIR RAMP, NE QUADRANT OF CENTRAL/UTAH STREET, ELEVATION = 5374.06 MSL, AS "TIED" FROM BRASS CAP MARKED 1-119 SET IN DRILL HOLE FLUSH WITH THE TOP OF CURB LOCATED AT THE EAST, SOUTHEAST CURB RETURN AT TEXAS ST. AND ZUNI RD. (BRASS CAP, ELEV. 5374.16 MSL)

Clark Consulting Engineers

19 Ryan Road Edgewood, New Mexico 87015
(505) 281-2444 FAX (505) 281-2444

DATE	REVISION	LOTS 1 & 2, BLOCK 5, MESA VERDE ADDITION CENTRAL TRAILER SUPPLY, INC.
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Grading & Paving Plan

DESIGNED BY: PWC	DRAWN BY: CCE	JOB No: HALE_J	SHEET No. 1 of 1
CHECKED BY: PWC	DATE: 2/3/99	FILE No: G/D	

SHEET No.
1 of 1