HYDROLOGY G14/D22 2 PLANS

G 14/D 22

2 PLANS

FILE COPY

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

Ken Schultz
Mayor

UTILITY DEVELOPMENT DIVISION
HYDROLOGY SECTION
(505) 768-2650

July 6, 1987

Jeff Mortensen, P.E.
Tom Mann & Associates, Inc.
811 Dallas, NE
Albuquerque, New Mexico 87110

RE: REVISED DRAINAGE PLAN FOR CHECK AUTO PARTS - 4TH STREET, NW
(G-14/D22) ENGINEER'S STAMP DATED JUNE 25, 1987

Dear Jeff:

Based on the information provided on your resubmittal of June 26, 1987, revisions as indicated are acceptable for Building Permit approval.

Please attach a copy of this plan to the construction sets prior to sign-off by Hydrology.

If I can be of further assistance, please feel free to call me at 768-2650.

Cordially,

Bernie J. Montoya

Bernie J. Montoya, C.E.
Engineering Assistant

BJM/bsj

DRAINAGE INFORMATION SHEET 870751

PROJECT TITLE: CHECKER AUTO PARTS — 4TH ST N/L ZONE ATLAS/DRNG. FILE #: G-14/D22

LEGAL DESCRIPTION: LOTS B & B-1, FITZGERALD - DAVIDSON ADDN.

CITY ADDRESS:

ENGINEERING FIRM: TOM MANN & ASSOC. CONTACT: J.G. MORTENSEN

ADDRESS: 811 DALLAS NE PHONE: 265-5611

OWNER: CHECKER SHUCKS KRAGAN CONTACT: ARCHITECT

ADDRESS: PHONE:

ARCHITECT: BARNETT-SCHORR CONTACT: JEFFREY OCHSNER

ADDRESS: PHONE: 602-682-5284

SURVEYOR: HALL SURVEYING CONTACT: V. HALL

ADDRESS: PHONE:

CONTRACTOR: BANKS CO. CONTACT: BRUCE ROSS

ADDRESS: PHONE: 344-3461

PRE-DESIGN MEETING:

X YES

___ NO

X COPY OF CONFERENCE RECAP SHEET PROVIDED

RECEIVED JUN 6 1987 HYDROLOGY SECTION

DRB NO.

EPC NO.

PROJ. NO. G14/D22

TYPE OF SUBMITTAL:

___ DRAINAGE REPORT

X DRAINAGE PLAN

___ CONCEPTUAL GRADING & DRAINAGE PLAN

X GRADING PLAN

___ EROSION CONTROL PLAN

___ ENGINEER'S CERTIFICATION

X RESUBMITTAL FOR REVISION

CHECK TYPE OF APPROVAL SOUGHT:

___ SKETCH PLAT APPROVAL

___ PRELIMINARY PLAT APPROVAL

___ SITE DEVELOPMENT PLAN APPROVAL

___ FINAL PLAT APPROVAL

X BUILDING PERMIT APPROVAL

___ FOUNDATION PERMIT APPROVAL

___ CERTIFICATE OF OCCUPANCY APPROVAL

___ ROUGH GRADING PERMIT APPROVAL

___ GRADING/PAVING PERMIT APPROVAL

X OTHER SO #19 (SPECIFY)

DATE SUBMITTED: 06-26-87

BY: J.G. MORTENSEN

FILE COPY

MEMORANDUM:

June 18, 1987

ENGINEERING GROUP

TO: Tom Aragon, Transportation System Division

FROM: Fred J. Aguirre, Hydrologist; Engineering Group/PWD

SUBJECT: PRIVATE DRAINAGE FACILITIES WITHIN PUBLIC RIGHTS-OF-WAY/EASEMENT
CHECK AUTO PARTS - 4TH STREET, NW (G-14/D22)

Transmitted herewith, is a copy of the approved drainage plan for the referenced project incorporating the S.O. #19 design.

In accordance with the new process, this plan is being submitted to you for permitting and inspection. Please provide this section with a signed-off copy per the signature block upon construction and acceptance by your office.

As you are aware, the signed-off S.O. #19 is required by this office for Certificate of Occupancy release; hence your expeditious processing of this plan would be greatly appreciated and would avoid any unnecessary delay in the release of the Certificate of Occupancy.

Thank you for your cooperation, and if you should have any questions and/or comments regarding the process, please feel free to call me at 768-2650.

FJA/bsj

Attachment

FILE COPY

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

Ken Schultz
Mayor

UTILITY DEVELOPMENT DIVISION
HYDROLOGY SECTION
(505) 768-2650

June 18, 1987

Jeff Mortensen, P.E.
Tom Mann & Associates, Inc.
811 Dallas, NE
Albuquerque, New Mexico 87110

RE: DRAINAGE PLAN FOR CHECK AUTO PARTS - 4TH STREET, NW
(G-14/D22) ENGINEER'S STAMP DATED JUNE 16, 1987

Dear Jeff:

Based on the information provided on your submittal of June 16, 1987, the above referenced plan is approved for Building Permit.

Please be advised that a separate permit is required for building within the City right-of-way.

Please attach a copy of this plan to the construction sets prior to sign-off by Hydrology.

If I can be of further assistance, please feel free to call me at 768-2650.

Cordially,

Bernie J. Montoya

Bernie J. Montoya, C.E.
Engineering Assistant

cc: Becky Sandoval

BJM/bsj

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION/DESIGN HYDROLOGY SECTION

CONFERENCE RECAP

DRAINAGE FILE/ZONE ATLAS PAGE NO.: G14 DATE: 6-10-87

PLANNING DIVISION NOS: EPC: _____ DRB: _____

SUBJECT: Lot R [illegible] Fitzwater - Davidson

STREET ADDRESS (IF KNOWN): Address

SUBDIVISION NAME: _____

APPROVAL REQUESTED:

_____ PRELIMINARY PLAT	____ FINAL PLAT
_____ SITE DEVELOPMENT PLAN	X BUILDING PERMIT
_____ OTHER	_____ ROUGH GRADING

ATTENDANCE:	WHO	REPRESENTING
	Jeff Montoya	_____
	Carlos Montoya	_____
	_____	_____

FINDINGS:

(1) Drainage plan per DPM

(2) Free discharge for site
(A) building pads compaction req.
(B) Not in floodplain
(C) storm drain in Candelaria
(D) infill site

(3) Flows across lot lines require swales, splashblocks, or aggreements

The undersigned agrees that the above findings are summarized accurately and are only subject to change if further investigation reveals that they are not reasonable or that they are based on inaccurate information.

SIGNED: Carlos H Montoya	SIGNED: Jeff Montoya
TITLE: _____	TITLE: _____
DATE: 6-10-87	DATE: 06-10-87

NOTE PLEASE PROVIDE A COPY OF THIS RECAP WITH THE DRAINAGE SUBMITTAL

PUBLIC WORKS/HYDROLOGY

G14/D22

0000 0000 0523

G14/D22

25×10

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

Ken Schultz
Mayor

UTILITY DEVELOPMENT DIVISION
HYDROLOGY SECTION
(505) 768-2650

November 16, 1987

Jeff Mortensen, P.E.
Tom Mann & Associates, Inc.
811 Dallas, NE
Albuquerque, New Mexico 87110

RE: DRAINAGE PLAN FOR CHECKER AUTO PARTS - 4th STREET, NW
(G-14/D22) REVISION DATE NOVEMBER 6, 1987

Dear Mr. Mortensen:

Based on the information provided on your resubmittal of November 9, 1987 revisions as indicated are acceptable within Phase II for Building Permit.

Please attach a copy of this plan to the construction sets prior to sign-off by Hydrology.

If I can be of further assistance, please feel free to call me at 768-2650.

Cordially,

Bernie J. Montoya, C.E.
Engineering Assistant

BJM/bsj

PUBLIC WORKS DEPARTMENT

Walter Nickerson, P.E., City Engineer — ENGINEERING GROUP — Telephone (505) 768-2500

AN EQUAL OPPORTUNITY EMPLOYER

25×10

0000 0000 0525

FILE COPY

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

Ken Schultz
Mayor

UTILITY DEVELOPMENT DIVISION
HYDROLOGY SECTION
(505) 768-2650

November 16, 1987

Jeff Mortenser., P.E.
Tom Mann & Associates, Inc.
811 Dallas, NE
Albuquerque, New Mexico 87110

RE: DRAINAGE PLAN FOR CHECKER AUTO PARTS - 4th STREET, NW
(C-14/D22) REVISION DATE NOVEMBER 6, 1987

Dear Mr. Mortensen:

Based on the information provided on your resubmittal of November 9, 1987 revisions as indicated are acceptable within Phase II for Building Permit.

Please attach a copy of this plan to the construction sets prior to sign-off by Hydrology.

If I can be of further assistance, please feel free to call me at 768-2650.

Cordially,

Bernie J. Montoya, C.E.
Engineering Assistant

BJM/bsj

25 x 10

0000 0000 0526

DRAINAGE INFORMATION SHEET

CHECKER AUTO PARTS-

PROJECT TITLE: 4th St. NW ZONE ATLAS/DRNG. FILE #: G-14/D22

LEGAL DESCRIPTION: Lots B & B-1, Fitzgerald - Davison Addn.

CITY ADDRESS:

ENGINEERING FIRM: TOM MAHN & Assoc. CONTACT: Peter M Lujan

ADDRESS: 811 Dallas NE PHONE: 265-5611

OWNER: Checker Shucks Kragan CONTACT: Architect

ADDRESS: PHONE:

ARCHITECT: Banes Co. CONTACT: Bruce Ross

ADDRESS: PHONE: 344-3461

SURVEYOR: Hall Surveying CONTACT: V. Hall

ADDRESS: PHONE:

CONTRACTOR: Banes Co. CONTACT: Bruce Ross

ADDRESS: PHONE: 344-3461

RECEIVED
NOV 09 1987
HYDROLOGY SECTION

PRE-DESIGN MEETING:

___ YES
X NO
___ COPY OF CONFERENCE RECAP SHEET PROVIDED

DRB NO. _____
EPC NO. _____
PROJ. NO. G14/022

TYPE OF SUBMITTAL:

___ DRAINAGE REPORT
X DRAINAGE PLAN
___ CONCEPTUAL GRADING & DRAINAGE PLAN
X GRADING PLAN
___ EROSION CONTROL PLAN
___ ENGINEER'S CERTIFICATION
X Resubmittal For Revision 2. (PHASE 2)

CHECK TYPE OF APPROVAL SOUGHT:

___ SKETCH PLAT APPROVAL
___ PRELIMINARY PLAT APPROVAL
___ SITE DEVELOPMENT PLAN APPROVAL
___ FINAL PLAT APPROVAL
___ BUILDING PERMIT APPROVAL
___ FOUNDATION PERMIT APPROVAL
___ CERTIFICATE OF OCCUPANCY APPROVAL
___ ROUGH GRADING PERMIT APPROVAL
X GRADING/PAVING PERMIT APPROVAL
___ OTHER _____ (SPECIFY)

DATE SUBMITTED: Nov. 9, 1987

BY: Peter M. Lujan

25×

0000 0000 0527

PLANS/PLATS ON FILE

FILE DESC: 614/022

PLANS/PLATS 1

25×10

0000 0000 0528

25×10

HYDROLOGY G14/D22 ONE PLAN

G 14- D 22

1 PLAN

INFORMATION SHEET

PROJECT TITLE GARAGE RELOCATION TYPE OF SUBMITTAL DRAINAGE SUB.

ZONE ATLAS PAGE NO. G14 D22 CITY ADDRESS 416 CANDELARIA RD. N.W.

LEGAL DESCRIPTION DAVIDSON ADD'N. #1 LOT B-1 BLOCK B

ENGINEERING FIRM SERGIO A. ACOSTA CONTACT SAME

ADDRESS 2928 SIERRA NE PHONE 888-3719

OWNER ROBERT A. GARCIA CONTACT "

ADDRESS _____ PHONE 247-8627

ARCHITECT _____ CONTACT _____

ADDRESS _____ PHONE _____

SURVEYOR _____ CONTACT _____

ADDRESS _____ PHONE _____

CONTRACTOR _____ CONTACT _____

ADDRESS _____ PHONE _____

PRE-DESIGN MEETING:

✓ YES
___ NO
___ COPY OF CONFERENCE RECAP SHEET PROVIDED

PLEASE CHECK TYPE OF APPROVAL EXPECTED WITH THIS SUBMITTAL:

___ SKETCH PLAT APPROVAL
___ PRELIMINARY PLAT APPROVAL
___ SITE DEVELOPMENT PLAN APPROVAL
✓ FINAL PLAT APPROVAL
___ BUILDING PERMIT APPROVAL
___ CERTIFICATE OF OCCUPANCY APPROVAL
___ ROUGH GRADING PERMIT APPROVAL
___ GRADING/PAVING PERMIT APPROVAL
___ OTHER _____ (SPECIFY)

DATE SUBMITTED: _____

BY: _____

RECEIVED
AUG 13 1984
HYDROLOGY SECTION

FILE COPY

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

DESIGN HYDROLOGY SECTION
123 Central NW, Albuquerque, NM 87102
(505) 766-7644

August 28, 1984

Mr. Sergio Acosta
2928 Sierra N.E.
Albuquerque, New Mexico 87110

RE: DRAINAGE PLAN FOR GARAGE RELOCATION (G14-D22) RECEIVED AUGUST 13, 1984

Dear Sergio:

The above referenced plan, dated August 13, 1984 is approved.

Please attach a copy of this approved plan to the construction set prior to issuance of the building permit.

If I can be of further assistance, please contact me at 766-7644.

Sincerely yours,

Carlos A. Montoya
City/Flood Plain Admin.

CAM:bm

Sergio Acosta
STRUCTURAL CONSULTANT
2928 SIERRA DR. N.E.
ALBUQUERQUE, NM 87110
BUS. 888-3719

HYDROLOGY

ADDRESS: 416 CANDELARIA RD. N.W

OWNER: ROBERT ANTONIO GARCIA. PH. 247-8627

SUBDIVISION: DAVIDSON ADD'N. N° 1

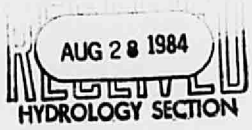
LOT: B-1 BLOCK B

ZONE C-3 ATLAS. G-14 - D22

ZIP 87107

ALBUQUERQUE, NEW MEXICO

AUGUST 21-84



Sergio Acosta
STRUCTURAL CONSULTANT
2928 SIERRA DR. N.E.
ALBUQUERQUE, NM 87110
BUS. 888-3719

CALCULATIONS

RUN-OFF VOLUMES

USING RATIONAL FORMULA

$Q = CiA$

AUGUST 21-84

REGISTERED PROFESSIONAL ENGINEER
STATE OF NEW MEXICO
NO. 1183
SERGIO A. ACOSTA

CITY OF ALBUQUERQUE - NEW MEXICO

S.C.S. - Soil Survey
BERNALILLO COUNTY

PLATES: 22.2 C-1
22.2 D-1
22.2 D-2

Sergio Acosta
STRUCTURAL CONSULTANT
2928 SIERRA DR. N.E.
ALBUQUERQUE, NM 87110
BUS. 888-3719

AUGUST 20. 1984

COMPUTATIONS: HYDROLOGY

RATIONAL FORMULA:

$$Q = CiA$$

WHERE

Q = PEAK RATE OF RUNOFF in C.F.S. (DISCHARGE).

C = RUNOFF COEFFICIENT - ℞ 22.2 C-1

i = RAINFALL INTENSITY in INCHES/HOUR ℞ 22.2 D-2.

A = AREA in ACRES.

$i = P_6 (6.84) T_c^{-0.51} = \frac{4.65}{4.65}$ IN/HR.

AUGUST 21. 84

C = VARIES.

P_6 = 2.2 (DPM ℞ 22.2D-1)

T_c = 10 min. (minimum)

V = VOLUME = $C P_6 A (1/12)$

REGISTERED PROFESSIONAL ENGINEER STATE OF NEW MEXICO 1183 SERGIO A. ACOSTA

WHERE C VARIABLE

P_6 = 2.2 in (DPM ℞ 22.2D-1)

A = AREA, S.F.

Sergio Acosta
STRUCTURAL CONSULTANT
2928 SIERRA DR. N.E.
ALBUQUERQUE, NM 87110
BUS. 888-3719

COMPUTATION: HYDROLOGY. CONTINUATION

EXISTING CONDITION: USING SOIL GROUP "B"

A_{total} = 19,389 sf = **0.45 AC.**

$A_{imp.}$ = 0 sf; % IMPERVIOUS = 0%

C = **0.34** (DPM ℞ 22.2C-1)

$Q_{100} = C_i A = .34 \times 4.65 \times 0.45 = \underline{0.71}$ C.F.S

$V_{100} = CP_6 A = .34 \times \frac{2.2}{12} \times 19{,}389 \text{ ft}^3 = \underline{1208}$ C.F.

AUGUST 21-94

REGISTERED PROFESSIONAL ENGINEER
STATE OF NEW MEXICO
11183
SERGIO A. ACOSTA

Sergio Acosta
STRUCTURAL CONSULTANT
2928 SIERRA DR. N.E.
ALBUQUERQUE, NM 87110
BUS. 888-3719

COMPUTATION - HYDROLOGY CONTINUATION:

DEVELOPED CONDITION:

A_{TOTAL} = 19,389 s.f. = 0.45 AC.

$A_{imp.}$ = 19,389 s.f. ; % IMPERVIOUS = 100 %

C = 1.0 (DPM ℄ 22.2C-1)

$Q_{100} = CiA$ = 1.0 × 4.65 × .45 = 2.1 c.f.s

$V_{100} = CP_6A$ = 1.0 (2.2/12) 19,389 s.f = 3555 C.F.

AUGUST 21, 84

REGISTERED PROFESSIONAL ENGINEER
STATE OF NEW MEXICO
7983
SERGIO A. ACOSTA