HYDROLOGY L21/D18 ONE PLAN

L21/D18

1 PLAN

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

HYDROLOGY SECTION PROJ. NO. L-21 DATE: 7/31/84

PLANNING DIVISION NO. _____

CONFERENCE RECAP

SUBJECT: Car Wash - 121 Shirley NE

WHO	REPRESENTING
ATTENDANCE: Ray Harrison	
Billy Goolsby	

FINDINGS: ① Approved Drainage Plan per DPM required prior to release of building permit.
② Discharge rate to be determined by analysis of downstream capacity.
③ Provide all details & elevations appropriate for drainage scheme.
④ Quantify off-site flows & address flood hazard relationship.
⑤ Stamp, sign & date plan submitted

*Please provide a copy of recap w/submittal

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: Billy J. Goolsby
TITLE: CE/Hydrology
DATE: 7/31/84

SIGNED: Ray Harrison
TITLE: CE
DATE: 7/31/84

RECEIVED
AUG 01 1984
HYDROLOGY SECTION

INFORMATION SHEET

PROJECT TITLE Car Wash L-21 TYPE OF SUBMITTAL Drainage Plan

ZONE ATLAS PAGE NO. L 21 D18 CITY ADDRESS 121 Shirily NE

LEGAL DESCRIPTION Lot A , Block F, Westerm Enterprises

ENGINEERING FIRM Ray Harrison CONTACT Same

ADDRESS 1217 A Girard NE PHONE 266 5678

OWNER Le Roy Peterson CONTACT Same

ADDRESS 11,000 Skyline NE S3 PHONE 2992302

ARCHITECT Not selected yet CONTACT

ADDRESS PHONE

SURVEYOR Same CONTACT

ADDRESS PHONE

CONTRACTOR Not selected Yet CONTACT

ADDRESS PHONE

PRE-DESIGN MEETING:

___ YES
X 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
X BUILDING PERMIT APPROVAL
___ CERTIFICATE OF OCCUPANCY APPROVAL
___ ROUGH GRADING PERMIT APPROVAL
___ GRADING/PAVING PERMIT APPROVAL
___ OTHER _____ (SPECIFY)

DATE SUBMITTED: July 30, 1984

BY:

RECEIVED
AUG 01 1984
HYDROLOGY SECTION

RAY L. HARRISON & ASSOCIATES
CONSULTING ENGINEERS

1517-A GIRARD BLVD. NE
ALBUQUERQUE, NEW MEXICO 87106
(505) 265-4276

DRAINAGE PLAN

Car Wash 121 Shirly NE (L-21)

Planning History-None in progress, lot rplated in November, 1983.

Offsite Flows-The North 30 feet of the lot to the south of this lot flows in as sheet flow.

Soil Tgb, hydro group B, 100% paved C = 1.0
I = 2.5" A = 30 X 150 = .103 acres

Q = 1.0 X 2.5 X .103 = .26 CFS

Q_{peak} = .26 X 2.5 = .65 CFS

Downstream Conditions-The drainage from this lot and the ofsite flows flow across the north curb of this lot and the lot to the west as sheet flow, then north along Jane Road or Dorothy Street to Chico Road, then west on Chico Road to Eubank Blvd. North on Eubank to the Drainage channel on the North side of I-40. There are minor flood spots in the streets along this path.

Soil Tgb hydo group B C = .34 I = 2.5
A = .52 property is 0% paved

Q = .34 X 2.5 X .52 = .44 CFS + O.s =.70 CFS

Q_{peak} = .70 X 2.5 = 1.75 CFS

Proposed Conditions-The downstream conditions will be about the same with a .65 CFS increase in the peak flow.

46.5% paved C = .56 I = 2.5 A = .52 Acres

Q = 56 X 2.5 X .52 - .73 CFS +O.S = .96 CFS

Q_{peak}= .96 X 2.5 = 2.4 CFS

Erosion Control-The volume of drainage and the slope of the lot is such that there will be no erosion control problem.

Nuisance waters-All of the water used in Car washing is contained within the building, is filtered cleaned and reused.

RAY L. HARRISON

RECEIVED
AUG 01 1984
HYDROLOGY SECTION

City of Albuquerque
P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

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

August 6, 1984

Mr. Ray Harrison
1517 Girard NE
Albuquerque, NM 87106

REF: GRADING AND DRAINAGE PLAN FOR CAR WASH @ 121 SHIRLEY NE (L21-D18)
RECEIVED AUGUST 1, 1984

Dear Ray:

I have reveiwed the above referenced plan and strongly recommend you call for an appointment to discuss this submittal. The comments regarding this plan are so numerous that I feel it would be more appropriate to talk with you in person about them.

I also would recommend that the owner be present during this conference.

Should you have any questions or comments, please contact me at 766-7644.

Yours truly,

Billy J. Goolsby

Billy J. Goolsby, PE
City/County Flood Plain Admin.

BJG:mrk

cc: LeRoy Peterson, 11,000 Skyline NE, Suite 3
N.M. Carwash, c/o Dick Hogenmiller, P.O. Box 30061, 87110

INFORMATION SHEET

File L 21 D 18

PROJECT TITLE CAR WASH 109 SHIRLEY D18 TYPE OF SUBMITTAL REVISED DRAWING

ZONE ATLAS PAGE NO. L 21 CITY ADDRESS 109 Shirley NE

LEGAL DESCRIPTION Lot A Block 4 Southwestern Entripries

ENGINEERING FIRM Ray Harrison CONTACT Same

ADDRESS 1517 A Girard NE PHONE 265 4276

OWNER L Peterson CONTACT Same

ADDRESS 11000 Skyline NE SP. 3 87123 PHONE 299 2302

ARCHITECT CONTACT

ADDRESS PHONE

SURVEYOR Ray Harrison CONTACT

ADDRESS PHONE

CONTRACTOR Owner CONTACT

ADDRESS PHONE

PRE-DESIGN MEETING:

X YES
NO
X COPY OF CONFERENCE RECAP SHEET PROVIDED With Original Submittal

PLEASE CHECK TYPE OF APPROVAL EXPECTED WITH THIS SUBMITTAL:

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

RECEIVED AUG 20 1984 HYDROLOGY SECTION

DATE SUBMITTED: 8/20 84

BY:

City of Albuquerque
P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

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

August 22, 1984

Ray Harrison
1517 A Girard NE
Albuquerque, New Mexico 87106

RE: DRAINAGE PLAN FOR CAR WASH, 109 SHIRLEY NE (L21-D18) RECEIVED AUGUST 20, 1984

Dear Ray:

The above referenced plan, dated July 30, 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,

Billy J. Goolsby
Civil Engineer/Hydrology

BJG/bm