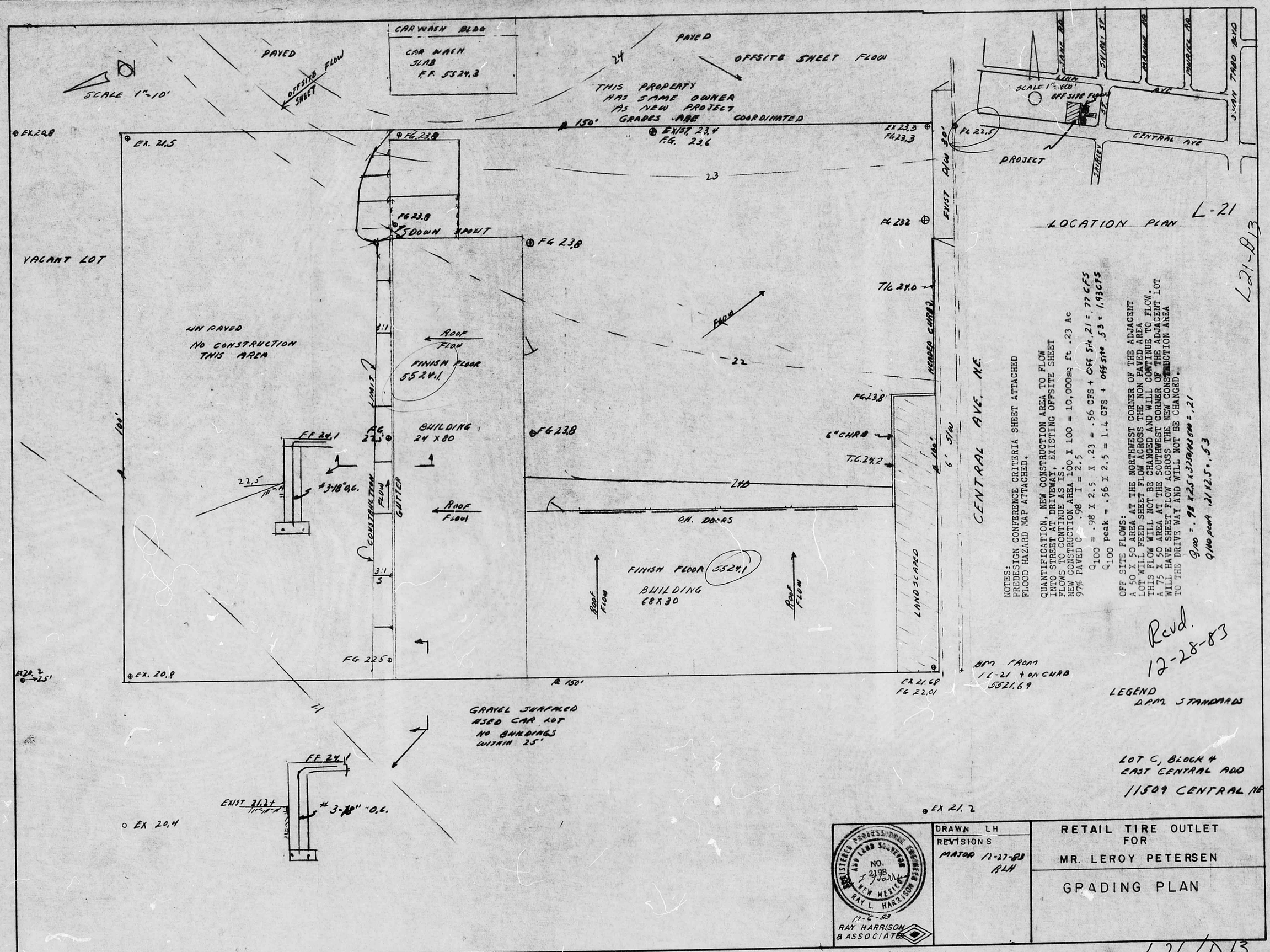
HYDROLOGY L21/D13 RETAIL TIRE OUTLET

L21/D13

RETAIL TIRE
OUTLET

1 PLAN



NOTES:
PREDESIGN CONFERENCE CRITERIA SHEET ATTACHED
FLOOD HAZARD MAP ATTACHED.

QUANTIFICATION, NEW CONSTRUCTION AREA TO FLOW INTO STREET AT DRIVEWAY, EXISTING OFFSITE SHEET FLOWS TO CONTINUE AS IS.
NEW CONSTRUCTION AREA 100 X 100 = 10,000sq ft .23 Ac
97% PAVED C = .98 I = 2.5
Q_{100} = .98 X 2.5 X .23 = .56 CFS + OFF SITE .21 = .77 CFS
Q_{100} peak = .56 X 2.5 = 1.4 CFS + OFFSITE .53 = 1.93 CFS

OFF SITE FLOWS:
A 50 X 50 AREA AT THE NORTHWEST CORNER OF THE ADJACENT LOT WILL FEED SHEET FLOW ACROSS THE NON PAVED AREA THIS FLOW WILL NOT BE CHANGED AND WILL CONTINUE TO FLOW.
A 75 X 50 AREA AT THE SOUTHWEST CORNER OF THE ADJACENT LOT WILL HAVE SHEET FLOW ACROSS THE NEW CONSTRUCTION AREA TO THE DRIVE WAY AND WILL NOT BE CHANGED.

Q_{100} = .98 x 2.5 x .330 runoff = .21
Q_{100} pond .21 x 2.5 = .53

L21-B13

Rcvd. 12-28-83

LEGEND
ADAM STANDARDS

LOT C, BLOCK 4
EAST CENTRAL ADD
11509 CENTRAL NE

DRAWN LH REVISIONS MAJOR 12-27-83 RLH	RETAIL TIRE OUTLET FOR MR. LEROY PETERSEN GRADING PLAN

REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR NO. 2998 NEW MEXICO RAY L. HARRISON
12-6-83
RAY HARRISON & ASSOCIATES

L21/D13