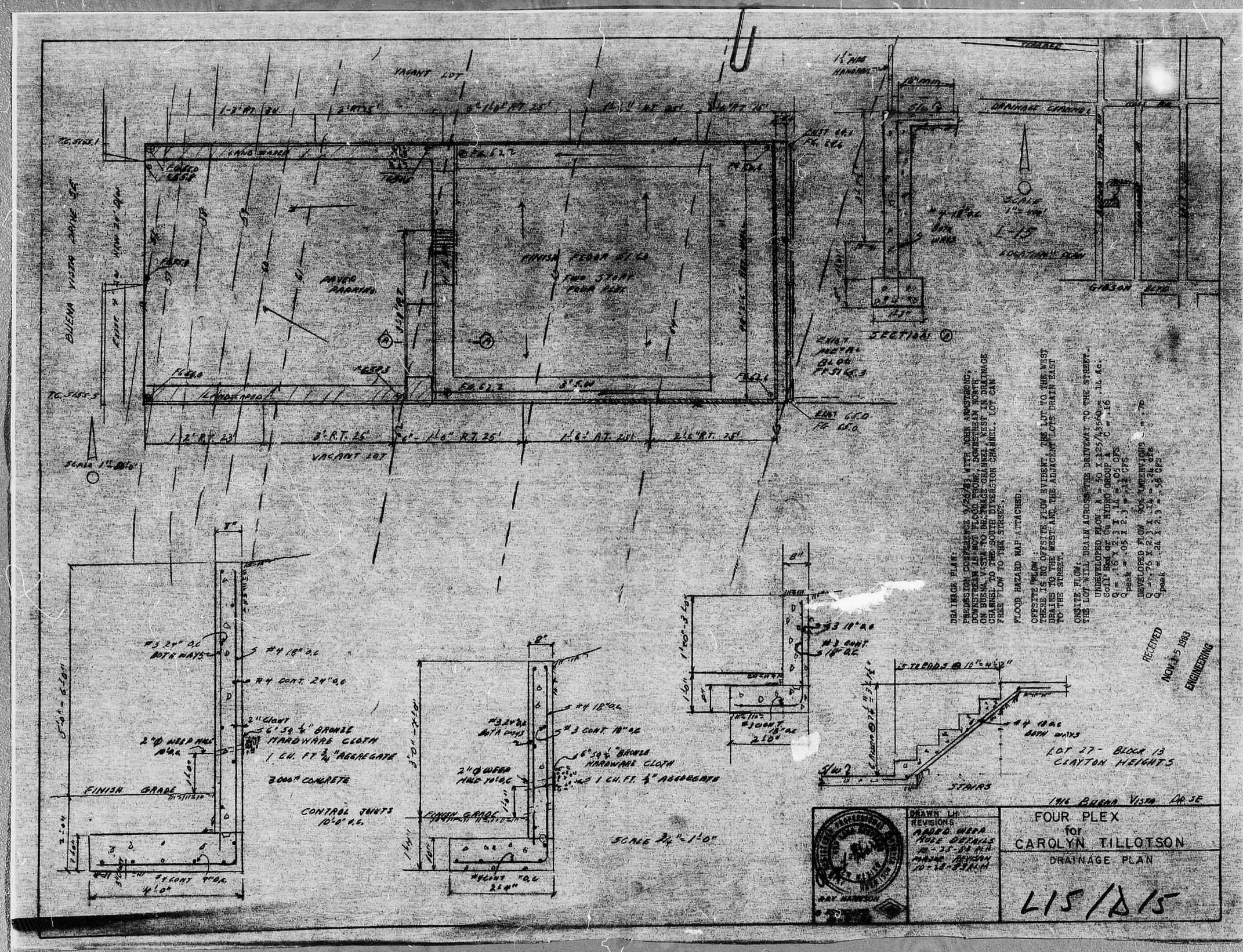
HYDROLOGY L15/D15 FOUR PLEX FOR CARLYN TILLOTSON

L15/D15

FOUR PLEX FOR
CARLYN TILLOTSON

1 PLAN



DRAINAGE PLAN:
PROPOSED CONFORMS 9/26/83 WITH JOHN ARMSTRONG, DOWNSTREAM ARMCO FLOOD PROOF, DOWNSTREAM NORTH ON BUENA VISTA TO DRAINAGE CHANNEL, WEST IN DRAINAGE CHANNEL TO THE SOUTH DITCHES WITH DIVERSION CHANNEL, LOT CAN FREE FLOW TO THE STREET.

FLOOD HAZARD MAP: ATTACHED.

OFFSITE FLOW: THERE IS NO OFFSITE FLOW FROM EVIDENT, THE LOT TO THE WEST DRAINS TO THE WEST AND THE ADJACENT LOTS DRAIN EAST TO THE STREET.

ONSITE FLOW:
THE LOT WILL DRAIN ACROSS THE DRIVEWAY TO THE STREET.

UNDEVELOPED FLOW A = 50 X 125/43560 = .14 Ac.
Soil: Bed of Gr. Ridge Group A C = .16
Q = .16 X 2.3 X .14 = .05 CFS
Q peak = .05 X 2.3 = .12 CFS

DEVELOPED FLOW 50% IMPERVIOUS C = .76
Q = .76 X 2.3 X .14 = .24 CFS
Q peak = .24 X 2.3 = .56 CFS