

LEGAL DESCRIPTION

TRACT 4, LANDS OF LOS ANGELES INVESTORS ALBUQUERQUE, BERNALILLO COUNTY NEW MEXICO.

DRAINAGE CALCULATIONS

A. SECTION 22.2, HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL, VOLUME 2, DESIGN CRITERIA FOR THE CITY OF ALBUQUERQUE, NEW MEXICO IN COOPERATION WITH BERNALILLO COUNTY, NEW MEXICO AND THE ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY. B. FLOODWAY, FLOOD BOUNDARY AND FLOODWAY MAP, CITY OF ALBUQUERQUE, NEW MEXICO, PANEL 9 OF 50. C. ZONE ATLAS PAGE C-17-Z. II. GENERAL INFORMATION: A. SITE LIES IN ZONE TWO(2) (SEE REF. A, PAGE A-1) B. 100 YEAR, 6 HOUR RAINFALL CRITERIA C. TIME OF CONCENTRATION, To; To = 0.2 hr(12 MINUTES). III. IMPERVIOUSNESS: TYPES OF TREATMENT SQ.FT ACRES SQ.FT ACRES SURFACES 1.0002 0.0000 UNDEVELOPED LANDSCAPING 0.0000 3794 COMPACTED/VACANT 0.0000 17915 0.4113 IMPERVIOUS 0.0000 21859 0.5018 43568 1.0002 TOTAL AREA (TA) 43568 1.0002 IV. PEAK DISCHARGE 100 YEAR (REF. A, TABLE A-9): TREATMENT TYPES OF CFS/Ac Qp(100) CFS/Ac Qp(100) 1.56 1.56 1.56 0.00 SURFACES UNDEVELOPED 2.28 LANDSCAPING 2.28 0.20 COMPACTED/VACANT 3.14 0.00 3.14 1.29 IMPERVIOUS 4.70 0.00 4.70 2.36 PEAK DISCHARGE FROM SITE 1.56 CFS 3.85 CFS V. PEAK DISCHARGE 10 YEAR (REF. A, TABLE A-9): TREATMENT TYPES OF CFS/Ac Qp(10) CFS/Ac Qp(10) TYPE SURFACES UNDEVELOPED 0.38 LANDSCAPING 0.00 0.08 1.71 COMPACTED/VACANT 0.00 1.71 0.70 IMPERVIOUS 3.14 0.00 3.14 1.58 PEAK DISCHARGE FROM SITE 0.38 CFS 2.36 CFS

VII. VOLUME 100 YEAR, V(360) (REF. A, TABLE A-8):

WEIGHTED "E" FACTOR

TYPES OF

COMPACTED/VACANT

UNDEVELOPED

LANDSCAPING

IMPERVIOUS

SURFACES

EXISTING 1.60 x 1.0002/12 = 0.04 AC. FT.

VI. WEIGHTED "E" 100 YEAR, 6 HR. (REF. A, TABLE A-8):

1924.25 CU.FT

PROPOSED $0.53 \times 1.0001/12 = 0.13 \text{ AC. FT.}$ 5795.36 CU.FT

GENERAL NOTES:

TREATMENT

TYPE

A. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.

EXISTING

1.13

2.12

ExA/TA

0.53

0.00

0.00

0.00

0.53 IN

ExA/TA

0.07

0.46

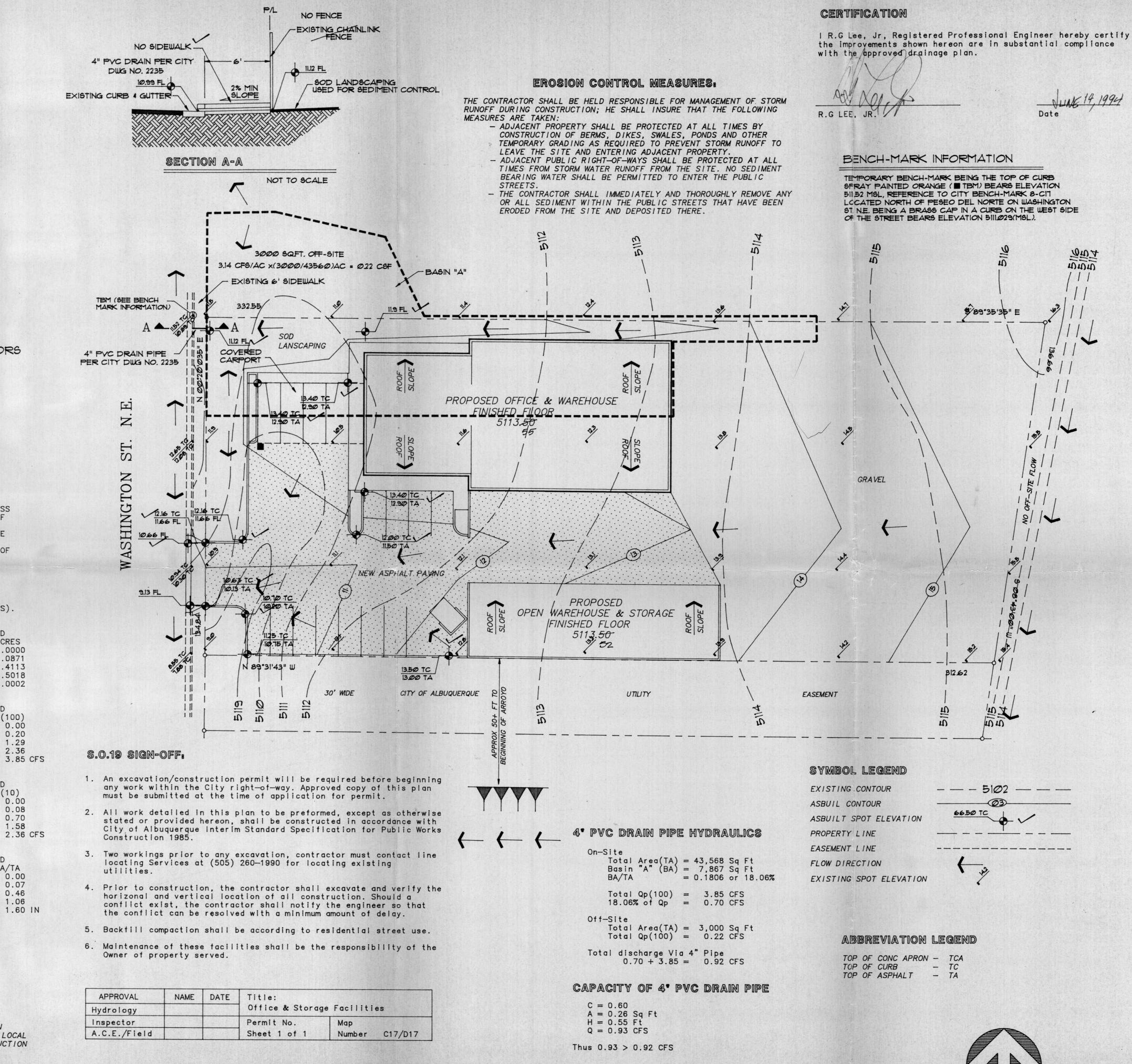
1.06

0.53

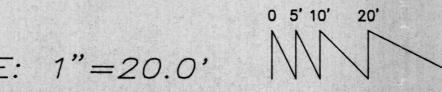
0.78

1.13

2.12



ASBUILT GRADING & DRAINAGE PLAN







9214

APRIL 20 1992

JULY 27 1993

DRAINAGE BUILT

ADIN(民

ACILITIES RAGE STO % 点 FFICE 0