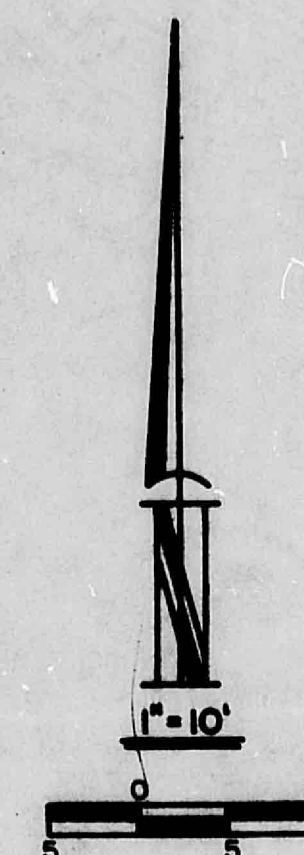
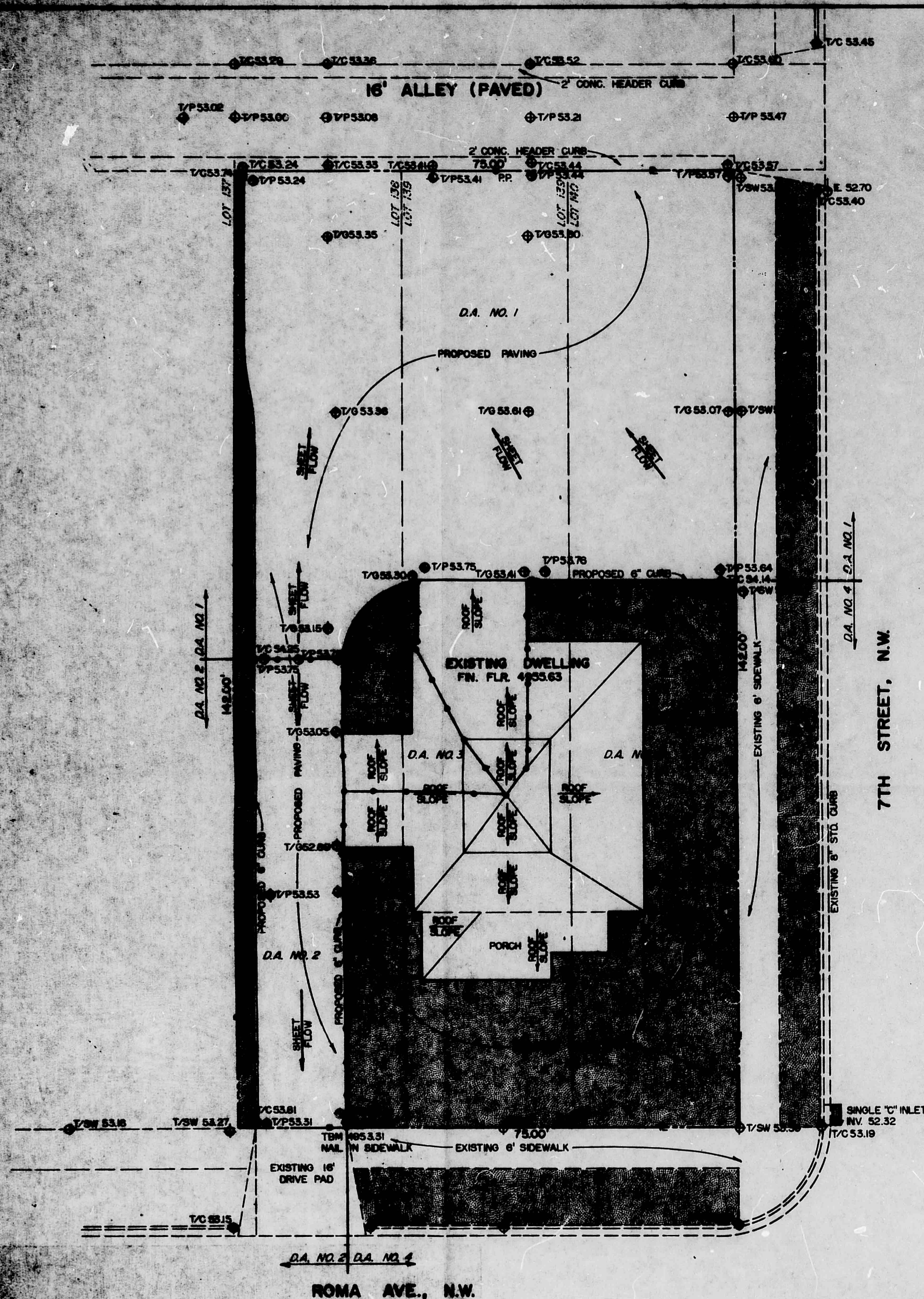


DRAINAGE PLAN **LOTS 138, 139 & 140, BLOCK 12** **ARMJO BROTHERS ADDITION** **ALBUQUERQUE, NEW MEXICO**

ZONE MAP J-14 BENCH MARK 17-J14 ELEV. 4954.83
 FLOOD MAP 028 SOIL TYPE "B"
 TOTAL AREA: 10,650 S.F. OR 0.2445 ACRES
 FILE NO. J14/ APPROVED _____



VICINITY MAP

HYDROLOGY

EXISTING: 100YR-6 HR RAINFALL = 2.2 1-2.2 X 2.3 = 5.06
 LAWN 2116 X 0.25 = 529
 ROOF 1943 X 0.90 = 1749
 NATURAL GROUND 6591 X 0.40 = 2636
 10,850 4914

C = 0.46 Q = 0.46 X 5.06 X 0.2445 = 0.57 CFS
 CN = 58 DIRECT RUNOFF = 0.15"
 V = 0.15/12 X 10,850 = 133 CF

DUE TO EXISTING NON-UNIFORM GRADING, SOME OF THE STORM WATER GOES TO THE ALLEY, SOME TO ROMA AVE. & SOME REMAINS ON SITE.

PROPOSED: **D.A. NO. 1**

LAWN 357 X 0.25 = 89
 ROOF 380 X 0.90 = 341
 PAVING 4438 X 0.95 = 4216
 5185 4856

C = 0.656/5185 = 0.000126
 Q = 0.90 X 5.06 X 0.119 = 0.54 CFS TO ALLEY
 CN = 92 DIRECT RUNOFF = 1.4"
 V = 1.4/12 X 5185 = 605 CF TO ALLEY

D.A. NO. 2

LANDSCAPE 210 X 0.25 = 53
 PAVING 1120 X 0.95 = 1064
 1330 1117

C = 0.82
 Q = 0.82 X 5.06 X 0.026 = 0.11 CFS TO ROMA
 CN = 86 DIRECT RUNOFF = 1.0"
 V = 1.0/12 X 1120 = 93 CF TO ROMA

D.A. NO. 3

LAWN 220 X 0.25 = 55
 ROOF 380 X 0.90 = 341
 610 396

C = 0.66
 Q = 0.66 X 5.06 X 0.014 = 0.05 CFS
 CN = 65 DIRECT RUNOFF = 0.3"
 V = 0.3/12 X 610 = 15 CF

DEPTH PONDED ON LAWN = 15/220 = 0.07 FT.

D.A. NO. 4

LAWN 2574 X 0.25 = 644
 ROOF 1553 X 0.90 = 1398
 4127 2042

C = 0.50
 Q = 0.50 X 5.06 X 0.095 = 0.24 CFS
 CN = 58 DIRECT RUNOFF = 0.15"
 V = 0.15/12 X 4127 = 52 CF

DEPTH PONDED ON LAWN = 52/2574 = 0.02 FT.

EROSION CONTROL NOTES:

THE CONTRACTOR WILL BE RESPONSIBLE FOR COMPLIANCE TO THE FOLLOWING:

1. NO SEDIMENT BEARING WATER SHALL BE ALLOWED TO DISCHARGE THE SITE DURING CONSTRUCTION.
2. DURING GRADING OPERATIONS AND UNTIL THE PROJECT HAS BEEN COMPLETED ALL ADJACENT PROPERTY, RIGHTS OF WAY, AND BASEMENTS, SHALL BE PROTECTED FROM FLOODING.
3. ANY AND ALL SEDIMENTATION ORIGINATING ON THE SITE WHICH IS DEPOSITED WITHIN PUBLIC RIGHT OF WAY SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR.
4. CONTROL OF SEDIMENT LADEN WATERS WILL BE ACCOMPLISHED BY THE USE OF A COMPACTED EARTH BERN AT LEAST 12" HIGH. THE BERN SHALL BE LOCATED ALONG THE DOWNSTREAM PERIMETER OF THE PROPERTY.

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 HYDROLOGY SECTION



- LEGEND**
- PROPERTY LINE
 - EXISTING CONTOURS
 - PROPOSED CONTOURS
 - EXISTING SPOT ELEVATIONS
 - PROPOSED SPOT ELEVATIONS
 - FLOW DIRECTION
 - EXISTING CURB & GUTTER
 - PROPOSED CURB
 - EXISTING OR PROPOSED DRIVE PAD
 - EXISTING OR PROPOSED DRIVE PAD