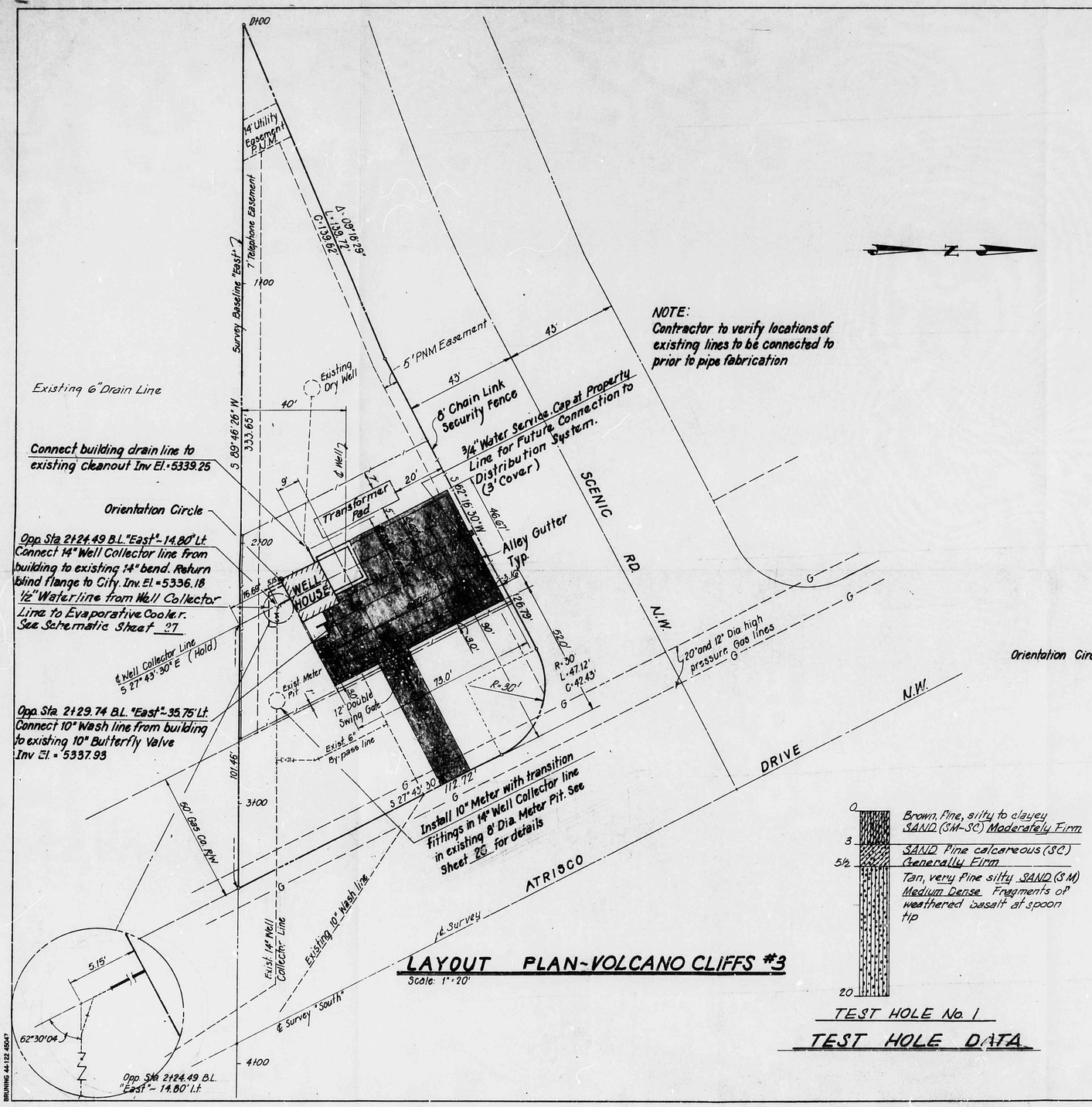
HYDROLOGY

D9/D1
1 PLAN

D9/D1

1 PLAN

GORDON HERKENHOFF & ASSOC. INC.
Albuquerque, New Mexico (505) 247-0294



LAYOUT PLAN-VOLCANO CLIFFS #3

Scale: 1"=20'

NOTE:
Contractor to verify locations of existing lines to be connected to prior to pipe fabrication

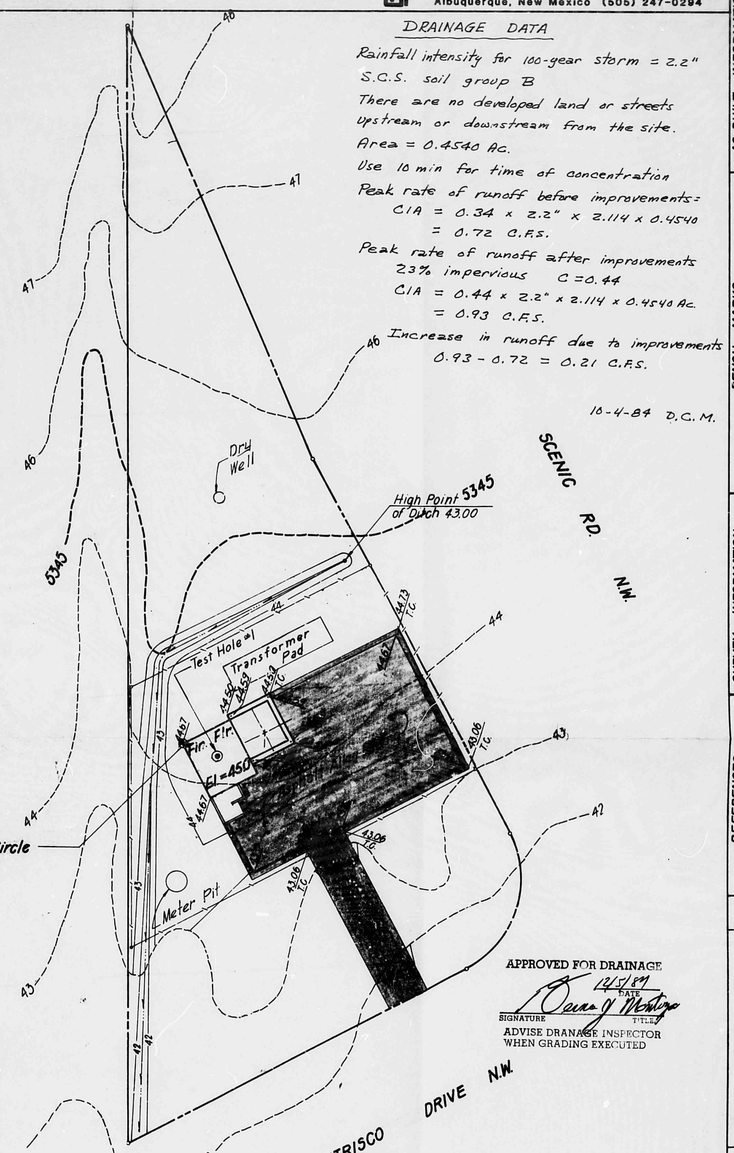
TEST HOLE No. 1

TEST HOLE DATA

DRAINAGE DATA

Rainfall intensity for 100-year storm = 2.2"
S.C.S. soil group B
There are no developed land or streets upstream or downstream from the site.
Area = 0.4540 Ac.
Use 10 min for time of concentration
Peak rate of runoff before improvements:
CIA = 0.34 x 2.2" x 2.114 x 0.4540
= 0.72 C.F.S.
Peak rate of runoff after improvements
23% impervious C = 0.44
CIA = 0.44 x 2.2" x 2.114 x 0.4540 Ac.
= 0.93 C.F.S.
Increase in runoff due to improvements
0.93 - 0.72 = 0.21 C.F.S.

10-4-84 D.C.M.



APPROVED FOR DRAINAGE
12/5/89
DATE
SIGNATURE
TITLE
ADVISE DRAINAGE INSPECTOR WHEN GRADING EXECUTED

GRADING PLAN-VOLCANO CLIFFS #3

Scale: 1"=20'

NO.	DATE	REMARKS	BY

REVISIONS

DESIGNED BY W.W. DATE DEC., 80
DRAWN BY D.C. DATE
CHECKED BY DATE

REFERENCES
MAP NO. D-9
EST. NO.
NO. W.O. NO.

SURVEY INFORMATION
FIELD NOTES
NO. B. DATE

BENCH MARKS
Albuquerque City Surveys Bench Mark
8-D10, a 40' Penny Nail in the East face of Light Pole #23/6
Elev. 5331.91

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY DATE
FIELD VERIFICATION BY DATE
ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

PREPARED UNDER THE DIRECTION OF 10-4-84
G. L. HERKENHOFF NEW MEXICO 243 REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR

APPROVED FOR CONSTRUCTION
CITY ENGINEER DATE

CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT
ENGINEERING DIVISION

TITLE: ATRISCO NO.5, VOLCANO CLIFFS NO.3 AND WALKER NO.1 WELL EQUIPMENT
LAYOUT AND GRADING PLAN
(VOLCANO CLIFF NO.3)

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E.-Design			Traffic		
A.C.E.-Hydrology			Water		

DRAWING NO.
PROJECT NO. 2213
SHEET 19 OF 47

RECEIVED OCT 04 1984 HYDROLOGY SECTION

FOR REVIEW ONLY

BRUNING 44-122-5047