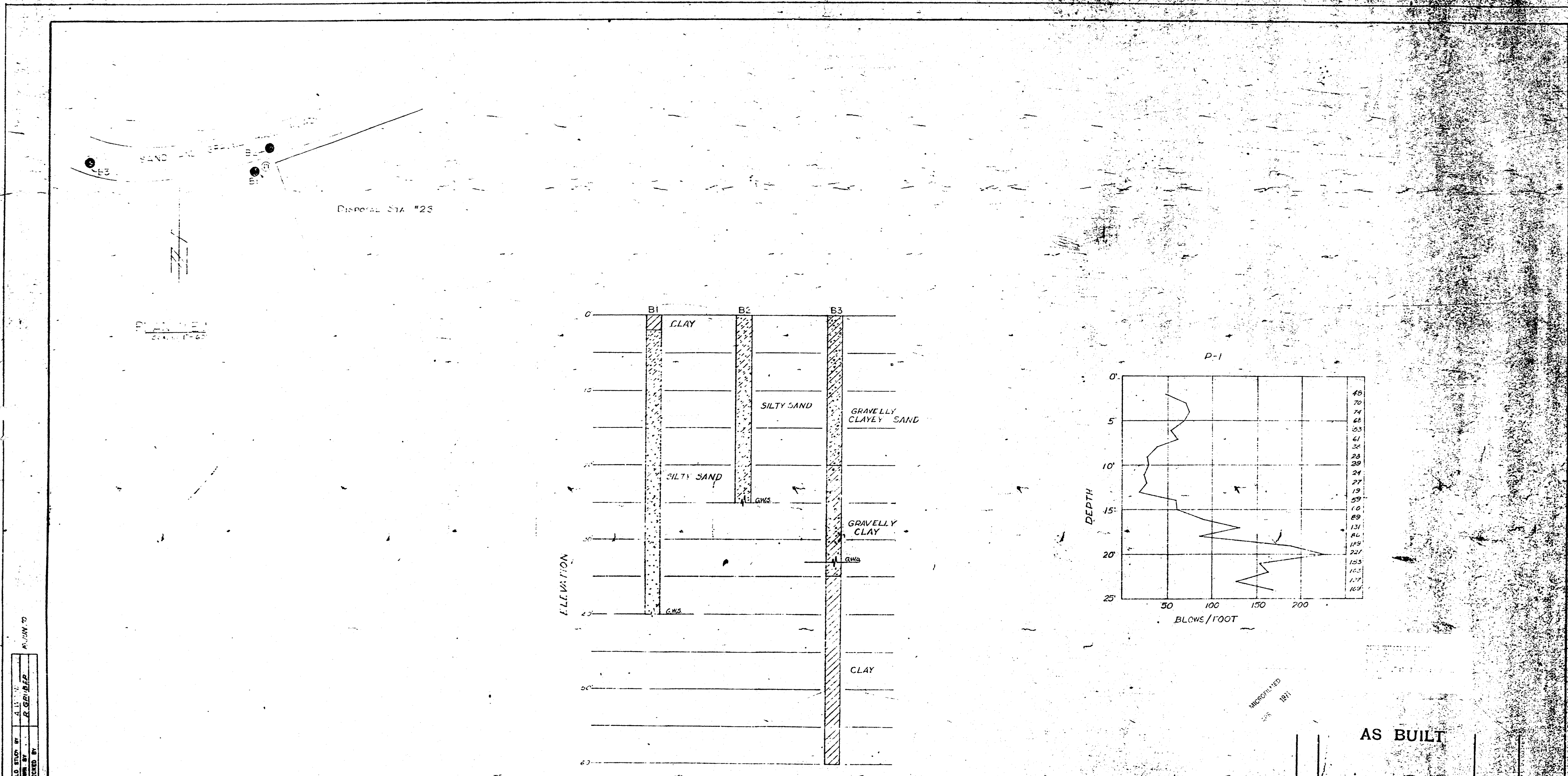




FIELD STUDY BY
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LEGEND OF EARTH MATERIALS

SIZE CLASSIFICATION

CLASSIFICATION OF EARTH MATERIAL SHOWN ON THIS SHEET IS BASED ON MECHANICAL ANALYSIS UNLESS OTHERWISE INDICATED.

MATERIAL SYMBOLS

- GRAVEL
- SAND
- SILT
- CLAY
- SANDY CLAY OR CLAYEY SAND
- SANDY SILT OR SILTY SAND
- SILTY CLAY OR CLAYEY SILT
- PEAT OR ORGANIC MATTER
- FILL MATERIAL
- SHALE
- SANDSTONE
- LIMESTONE
- METAMORPHIC ROCK
- MINERAL ROCK

CONSISTENCY CLASSIFICATION

ACCORDING TO THE STANDARD PENETRATION TEST

NO OF BLOWS	GRANULAR	COHESIVE
0-5	VERY LOOSE	VERY SOFT
6-10	LOOSE	SOFT
11-20	SLIGHTLY COMPACT	STIFF
21-30	COMPACT	VERY STIFF
31-70	DENSE	HARD
71+	VERY DENSE	VERY HARD

LEGEND OF BORING OPERATIONS

PLAN OF ANY BORING

- STANDARD PENETROMETER
- 2.5" CONE PENETROMETER
- ROTARY BORING
- AUGER BORING
- SAMPLE BORING
- JET BORING
- DIAMOND CORE BORING
- TEST PIT

ROTARY BORING

PENETRATION TEST

ORANGE COUNTY ROAD DEPARTMENT
MATERIALS LABORATORY
LOG OF TEST BORINGS

YEAR

LOMA STREET BRIDGE

AT SANTIAGO CREEK

SCALE

DATE

REVISION

DRAWN BY

CHECKED BY

AS BUILT

ORANGE COUNTY ROAD DEPARTMENT

MATERIALS LABORATORY

LOG OF TEST BORINGS

FOR

LOMA STREET BRIDGE

AT SAN ANTONIO CREEK

SCALE

BRIDGE

DATE

REVISION

DRAWN BY

CHECKED BY

DR 11 (10/75)