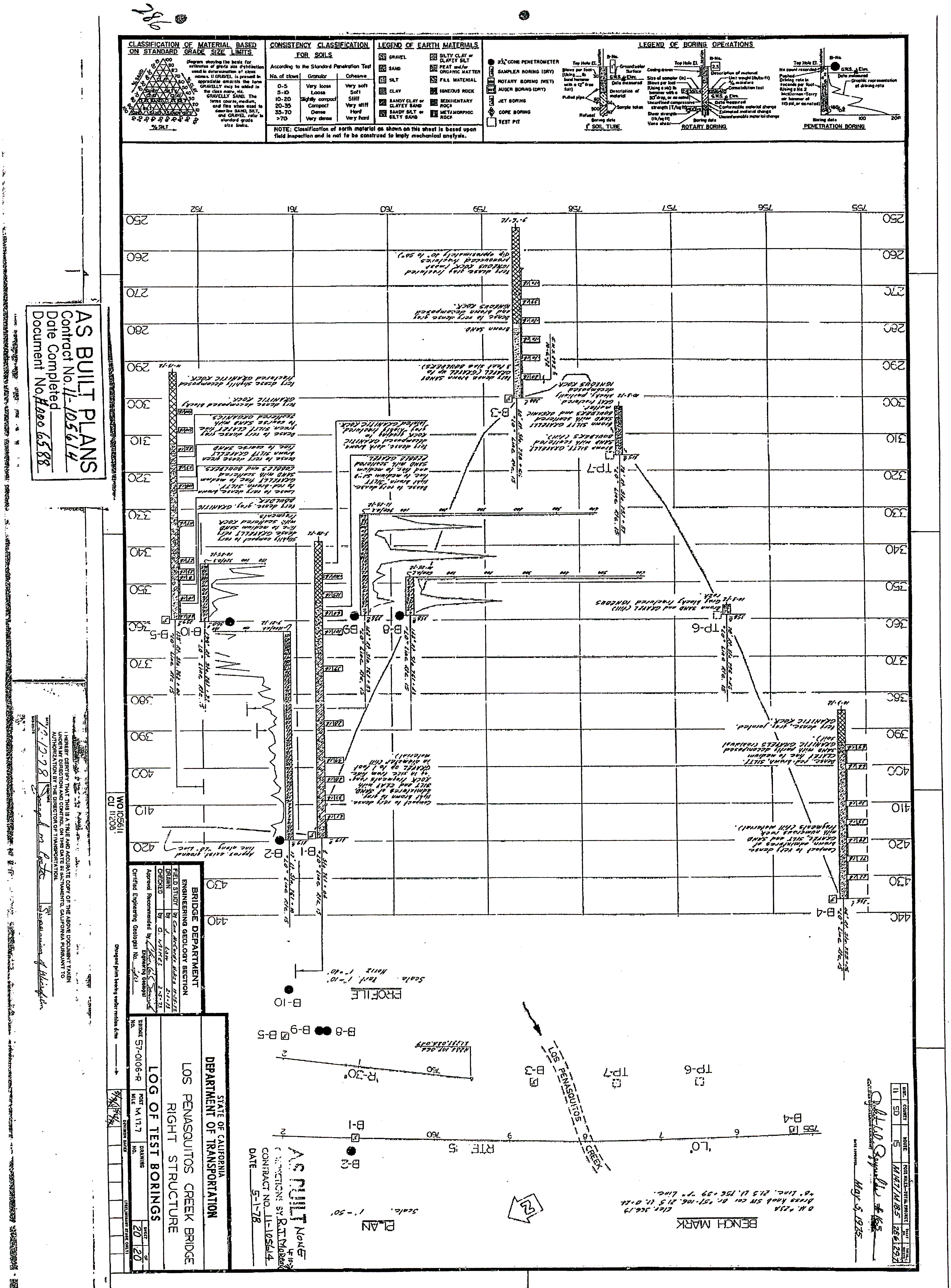
CLASSIFICATION OF MATERIAL BASED ON STANDARD GRADE SIZE LIMITS
Diagram showing the basis for estimates of grade size distribution used in determination of class names. If GRAVEL is present in appreciable amounts the term GRAVELLY may be added to the class name, viz. GRAVELLY SAND. The terms coarse, medium, and fine when used to describe SAND, SILT, and GRAVEL refer to standard grade size limits.
% SILT
CONSISTENCY CLASSIFICATION FOR SOILS
According to the Standard Penetration Test
No. of blows | Granular | Cohesive
0-5 | Very loose | Very soft
5-10 | Loose | Soft
10-20 | Slightly compact | Stiff
20-35 | Compact | Very stiff
35-70 | Dense | Hard
>70 | Very dense | Very hard
LEGEND OF EARTH MATERIALS
GRAVEL
SAND
SILT
CLAY
SANDY CLAY or CLAYEY SAND
SANDY SILT or SILTY SAND
SILTY CLAY or CLAYEY SILT
PEAT and/or ORGANIC MATTER
FILL MATERIAL
IGNEOUS ROCK
SEDIMENTARY ROCK
METAMORPHIC ROCK
NOTE: Classification of earth material as shown on this sheet is based upon field inspection and is not to be construed to imply mechanical analysis.
LEGEND OF BORING OPERATIONS
2¼" CONE PENETROMETER
SAMPLER BORING (DRY)
ROTARY BORING (WET)
AUGER BORING (DRY)
JET BORING
CORE BORING
TEST PIT
1" SOIL TUBE
ROTARY BORING
PENETRATION BORING
AS BUILT PLANS
Contract No. 11-105614
Date Completed
Document No. #000 6588
B-1
B-2
B-3
B-4
B-5
B-8
B-9
B-10
TP-6
TP-7
PROFILE
Scale: Vert. 1" = 10' Horiz. 1" = 40'
PLAN
Scale: 1" = 50'
LOS PENASQUITOS CREEK
RTE 15
"LO"
BENCH MARK
WO 105611
CU 11208
BRIDGE DEPARTMENT
ENGINEERING GEOLOGY SECTION
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
LOS PENASQUITOS CREEK BRIDGE
RIGHT STRUCTURE
LOG OF TEST BORINGS
BRIDGE No. 57-0106-R
POST MILE M 17.7
SHEET 20 OF 20
AS BUILT
CONTRACT NO. 11-105614
DATE 5-1-78
DIST. 11 COUNTY SD ROUTE 15 POST MILES—TOTAL PROJECT M14.7/M18.5 SHEET No. 286 TOTAL SHEETS 297
May 5, 1975
I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

DIST.	COUNTY	ROUTE	POST MILES—TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15	M17.0/M17.9	25	25

Kenneth B. Thomas
REGISTERED CIVIL ENGINEER
May 21, 1973

PLAN
Scale: 1"=50'

PROFILE
Scale: Vert. 1"=10'
Horiz. 1"=50'

BENCH MARKS

E.M. "23A" Elev. 346.79
Brass knob SW cor. Br. #57-106, 21.5' Lt. 0+26 "B" Line 21.5' Lt. 756+59 "P" Line.

"B29" LINE

"LO" LINE RTE. 15

LOS PENASQUITOS CREEK

B-1 B-2 B-3 B-4 B-5 B-6 TP-3

N 282,569.735
E 1,736,359.232

Slightly compact to very dense brown and grey admixtures of sand and gravel with numerous rock fragments (fill).

Very dense brown decomposed granitic rock grading with depth into fractured and jointed firmer granitic rock.

Approx. exist. ground line along "LO" Line Rte. 15

Brown sand and cobble gravel with some clay (fill)

Grey, weathered igneous rocks.

Dense, brown, gravelly, poorly sorted sand with abundant cobbles and boulders.

Very dense, brown, poorly sorted sand with scattered gravel.

Very dense, brown, weathered, partly decomposed granitic rock.

Very dense, light brown to grey, fractured and jointed granitic rock.

Compact to very dense, light brown to grey, admixtures of sand, silt and clay with rock fragments ranging in size from fine gravel up to 1 foot in diameter (fill material).

Dense to very dense, light brown, silty fine to medium sand and fine to medium sand with scattered pebble gravel.

Very dense, dark brown, decomposed granitic rock grading to grey, highly fractured, jointed granitic rock.

5-13-72 10-4-72 9-26-72 9-11-72 5-18-72 9-20-72

Elevations 430 420 410 400 390 380 370 360 350 340 330 320 310 300 290 280 270 260

Stations 751 756 757 758 759 760 762

NONE

E.R. Bonkston (LF 9/75)
11-105654
5-28-75

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

BRIDGE DEPARTMENT
ENGINEERING GEOLOGY SECTION

FIELD STUDY	by W.C. CAIN, 10-4-72
DRAWN	by E.S. JIMENEZ, 10-16-72
CHECKED	by

Approval Recommended by _____ Engineering Geologist
Certified Engineering Geologist No. _____

LOS PENASQUITOS CREEK (WIDEN)

LOG OF TEST BORINGS

BRIDGE NO.	POST MILE	DRAWING NO.	SHEET	OF
57 1061	M17.7		12	12

REVISION DATES (PRELIMINARY STAGE ONLY)

WO 105651
CU 11208

Disregard prints bearing earlier revision dates.

MICROFILMED

AS BUILT PLANS
Contract No. 11-105654
Date Completed. _____
Document No. 1006240

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.
DATE 6-6-75 BY [signature]

SCALE 1"= 50' MICROFILM - STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - MICROFILM SCALE 1"= 20'

PDF - www.fastio.com

FED. ROAD DIV. NO.	STATE	F. A. PROJECT No.	SHEET NO.	TOTAL SHEETS
7	CALIF.		127	137

DIST.	COUNTY	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
11	SD	77	30	11	11

NEW 11-SD-395

DATE APPROVED July 29, 1963

BM #22A
Chiseled □ on SE cor. D.I.; 20'W
541+50 "SD" 20'W 730.85
"P" Line Elev. 380.40

BM #23A
Brass knob SW cor. Br. #57-106,
21.5' Lt. of 24 "B" Line, 21.5' Lt.
756+39 "P" Line Elev. 366.79

PLAN
SCALE: 1"=50'

L.O.L. LT. LANE

LOS PENASQUITOS CREEK

Approximate existing ground along L.O.L. Lt. Lane.

AS BUILT PLANS
Contract No. 11-037754
Date Completed
Document No. A00000233

PROFILE
HORIZ: 1"=50'
VERT: 1"=10'

This set of plans was corrected to correspond to the "As Built" changes noted 2-16-65 as submitted by Resident Engineer F. Patterson Inspector Corrected by [illegible] Date 3-15-65

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

LOS PENASQUITOS CREEK BRIDGE

LOG OF TEST BORINGS

SCALE As Noted | BRIDGE 57-106L | FILE | DRAWING 57106-11

PREL. DRAWING No. PR-

Disregard prism bearing worker numbers

LEGEND OF BORING OPERATIONS

PENETRATION BORING

1" SOIL TUBE

LEGEND OF EARTH MATERIALS

Gravel · Sand · Silt · Clay · Silty Clay or Clayey Silt · Sandy Clay or Clayey Sand · Silty Sand · Gravelly Sand · Fill Material · Igneous Rock · Sedimentary Rock · Metamorphic Rock

CLASSIFICATION OF MATERIAL BASED ON STANDARD 6 INCH SIZE LIMITS

NOTE: Classification of earth material as shown on this sheet is based upon field inspection and is not to be construed to imply mechanical analysis.

BRIDGE DEPARTMENT
ENGINEERING GEOLOGY SECTION

FIELD STUDY	W.F.D. W.C.M. J.H.M.S.
DRAWN	W.F.D. 7-12-63
CHECKED	W.F.D. 7-12-63

Record Prepared by [signature]

(Rev. 7-15-63)

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