Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	But	70	24.0/24.5	74A	123

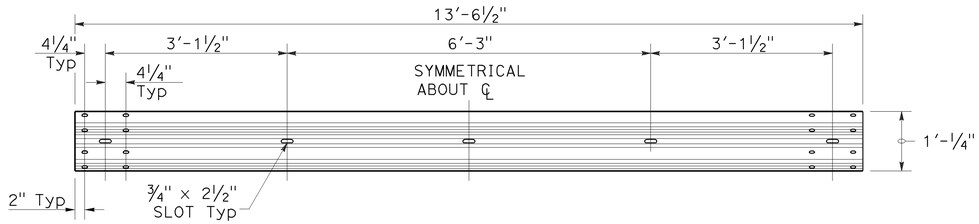
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Randell D. Hiatt — No. C50200 — Exp. 6-30-15 — CIVIL — STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

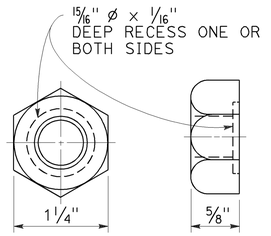
TO ACCOMPANY PLANS DATED 8-11-14



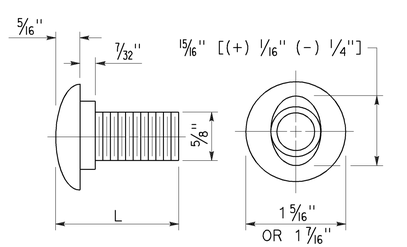
TYPICAL RAIL ELEMENT

NOTE:

1. Slotted holes for splice bolts to overlap ends of rail element.



⅝" ø RECESS NUT

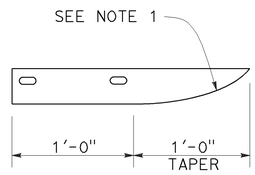


⅝" ø BUTTON HEAD BOLT

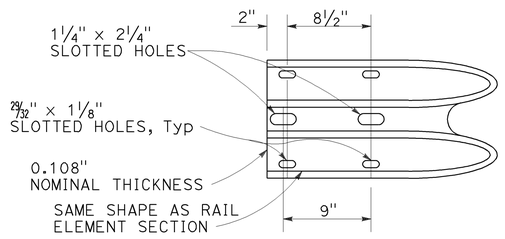
BUTTON HEAD BOLT

L	THREAD LENGTH
1⅜"	FULL THREAD LENGTH
2"	FULL THREAD LENGTH
10"	4" Min THREAD LENGTH
18"	4" Min THREAD LENGTH
20"	4" Min THREAD LENGTH
22"	4" Min THREAD LENGTH
26"	4" Min THREAD LENGTH
36"	4" Min THREAD LENGTH
** 2¾"	2" Min THREAD LENGTH
** 19"	4" Min THREAD LENGTH

** For nested rail applications.



PLAN



ELEVATION

END CAP (TYPE A)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

MIDWEST GUARDRAIL SYSTEM STANDARD HARDWARE

NO SCALE

RSP A77M1 DATED JULY 19, 2013 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A77M1

1 ADDED PER ADDENDUM No. 1 DATED DECEMBER 19, 2014

2010 REVISED STANDARD PLAN RSP A77M1

7-3-13

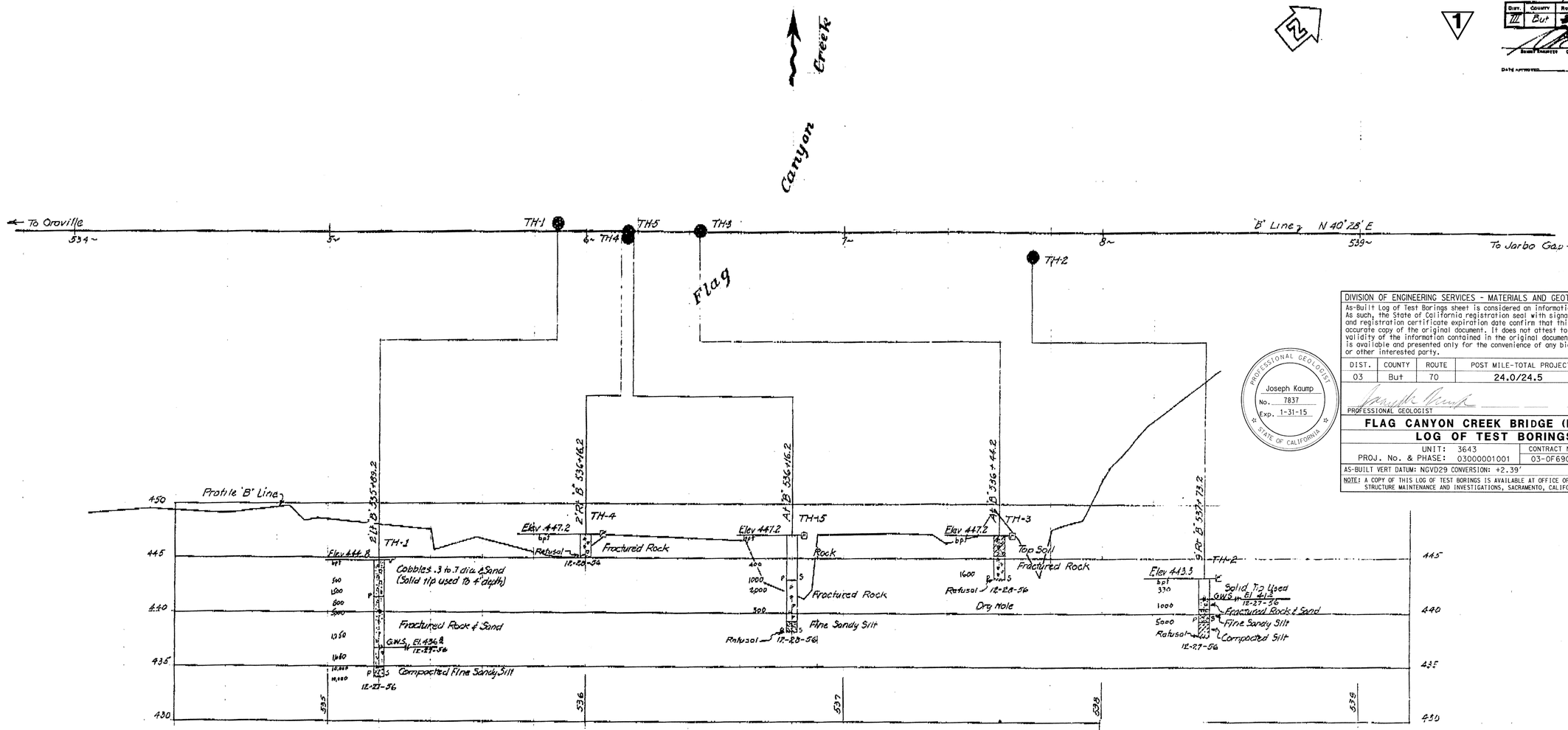
FED. ROAD DIV. NO	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO	TOTAL SHEETS
7	CAL.				

DIST.	COUNTY	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
III	But	70		B-5	5

BRIDGE ENGINEER — CIVIL — REGISTERED — LICENSE DATE

DATE APPROVED: 25 1957

BRIDGE DEPARTMENT



BM #32
Fd Copper nail in disc in 1" pipe
Mkd 'Calif. Div. of Hwys 32'
77± Lt 'B' 541+30±
Elev 497.34

BM A
Set RR Spike in 30" Oak
10' Rt 'B' 535+10±
Elev 448.98

USC & GS Datum

AS BUILT PLANS
Contract No. 57-3TC38
Date Completed
Document No. 3000 1186

AS BUILT
CORRECTIONS BY W.W. Bellinger
CONTRACT NO. 57-3TC38-P1

1 ADDED PER ADDENDUM No. 1 DATED DECEMBER 19, 2014

DIVISION OF ENGINEERING SERVICES - MATERIALS AND GEOTECHNICAL SERVICES

As-Built Log of Test Borings sheet is considered an informational document only. As such, the State of California registration seal with signature, license number and registration certificate expiration date confirm that this is a true and accurate copy of the original document. It does not attest to the accuracy or validity of the information contained in the original document. This drawing is available and presented only for the convenience of any bidder, contractor or other interested party.

DIST.	COUNTY	ROUTE	POST MILE-TOTAL PROJECT	Sheet No.	Total Sheets
03	But	70	24.0/24.5	117A	123

PROFESSIONAL GEOLOGIST — DATE 2/14/14

PROFESSIONAL GEOLOGIST — STATE OF CALIFORNIA — Joseph Kaump — No. 7837 — Exp. 1-31-15

FLAG CANYON CREEK BRIDGE (REPLACE)
LOG OF TEST BORINGS 4 OF 4

UNIT: 3643	CONTRACT No.	BRIDGE No.
PROJ. No. & PHASE: 03000001001	03-0F6904	12-0204

AS-BUILT VERT DATUM: NGVD29 CONVERSION: +2.39'

NOTE: A COPY OF THIS LOG OF TEST BORINGS IS AVAILABLE AT OFFICE OF STRUCTURE MAINTENANCE AND INVESTIGATIONS, SACRAMENTO, CALIFORNIA — Sheet 11 of 11

FIELD STUDY	JSH	12-28-56
DRAWN	JSH	1-11-57
CHECKED		

Approved Kenneth E. Stevenson, Chief Bridge Engineer

Classification of Material Based on Standard Grade Size Limits

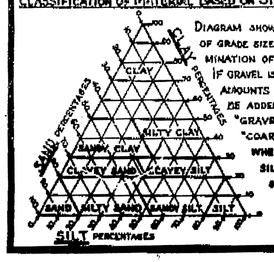


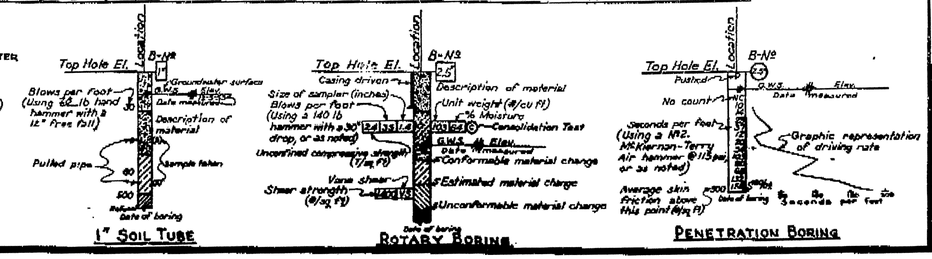
Diagram showing the basis for estimates of grade size distribution used in determination of class names. If gravel is present in appreciable amounts the term "gravelly" may be added to the class name, viz. "gravelly sand." The terms "coarse," "medium" and "fine" when used to describe sand, silt and gravel refer to standard grade size limits.

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

Legend of Boring Operations

- Plan of any boring
- Penetrometer
- 2½" Cone Penetrometer
- Sampler boring (dry)
- Rotary boring (wet)
- Auger boring (dry)
- Jet boring
- Core boring
- Test pit



NOTES

The contractor's attention is directed to Section 2, Article (c) of the Standard Specifications and to the Special Provisions accompanying this set of plans.

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

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

FLAG CANYON CREEK

LOG OF TEST BORINGS

SCALE	BRIDGE	FILE	DRAWING
Hor 1"=20' Vert 1"=5'	12-140		C-5342-5

PREL. DRAWING NO. P-5342 5

80