GEOLOGIC LEGEND

SOIL TYPES

Gravel
Sandy Gravel
Gravelly Sand
Peat
Sand
Loam
Sandy Loam
Topsoil
Silt
Silty Sand
Sandy Silt
Organic Silt
Clay
Sandy Clay
Clayey Sand
Organic Clay
Shells
Claypan
Hardpan
Silty Clay
Clayey Silt
Fill

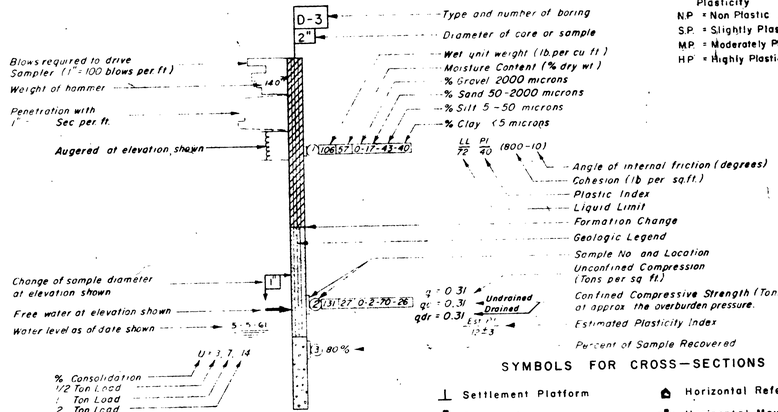
ROCK TYPES

Sandstone
Shale
Slate
Schist
Volcanics

Unclassified Intrusives
Ultra-basic Intrusives (Serpentine)
Sandstone Shale Unclass.-Intrus.
} Decomposed Weathered or Fractured

BORING LEGEND

CROSS-SECTION & PROFILE SHEETS



Plasticity
N.P. = Non Plastic
S.P. = Slightly Plastic
M.P. = Moderately Plastic
H.P. = Highly Plastic

SYMBOLS FOR CROSS-SECTIONS

⊥ Settlement Platform
Piezometer
Horizontal Reference Point
Horizontal Movement

BORING LEGEND - PLAN SHEETS

NOTE. All borings are numbered consecutively regardless of type of boring

- A-O Auger (Continuous helix)
- B-O Bucket Boring
- C-O Core Boring
- C-O(E) Electric log of Boring
- D-O Drive Boring
- D-O(P) Probe Boring
- R-O Rotary Boring
- J-O Jetted Boring
- V-O Vane borer test
- SP-O Settlement Platform
- Z-O Piezometer
- WT-O Water table
- I-O Inclinometer

STATE OF CALIFORNIA HIGHWAY TRANSPORTATION AGENCY
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS
MATERIALS AND RESEARCH DEPARTMENT

LEGEND SHEET
CONSTRUCTION CONTROL DEVICES

ROAD 10-Sol-21

BETWEEN ROUTE 680
& 0.5 MILES SOUTH OF ROUTE 80

DATE 5-23-69	SUBMITTED BY Earl C. Shirley SR. MAT'LS & RES. ENGR.	DWG. NO.
DRAWN BY D.D.	APPROVED BY Francis Smith ASST. MATERIALS & RESEARCH ENGR.-FDN.	SHEET NO. 1
CHECKED BY R.J.F.		OF 18 SHEETS

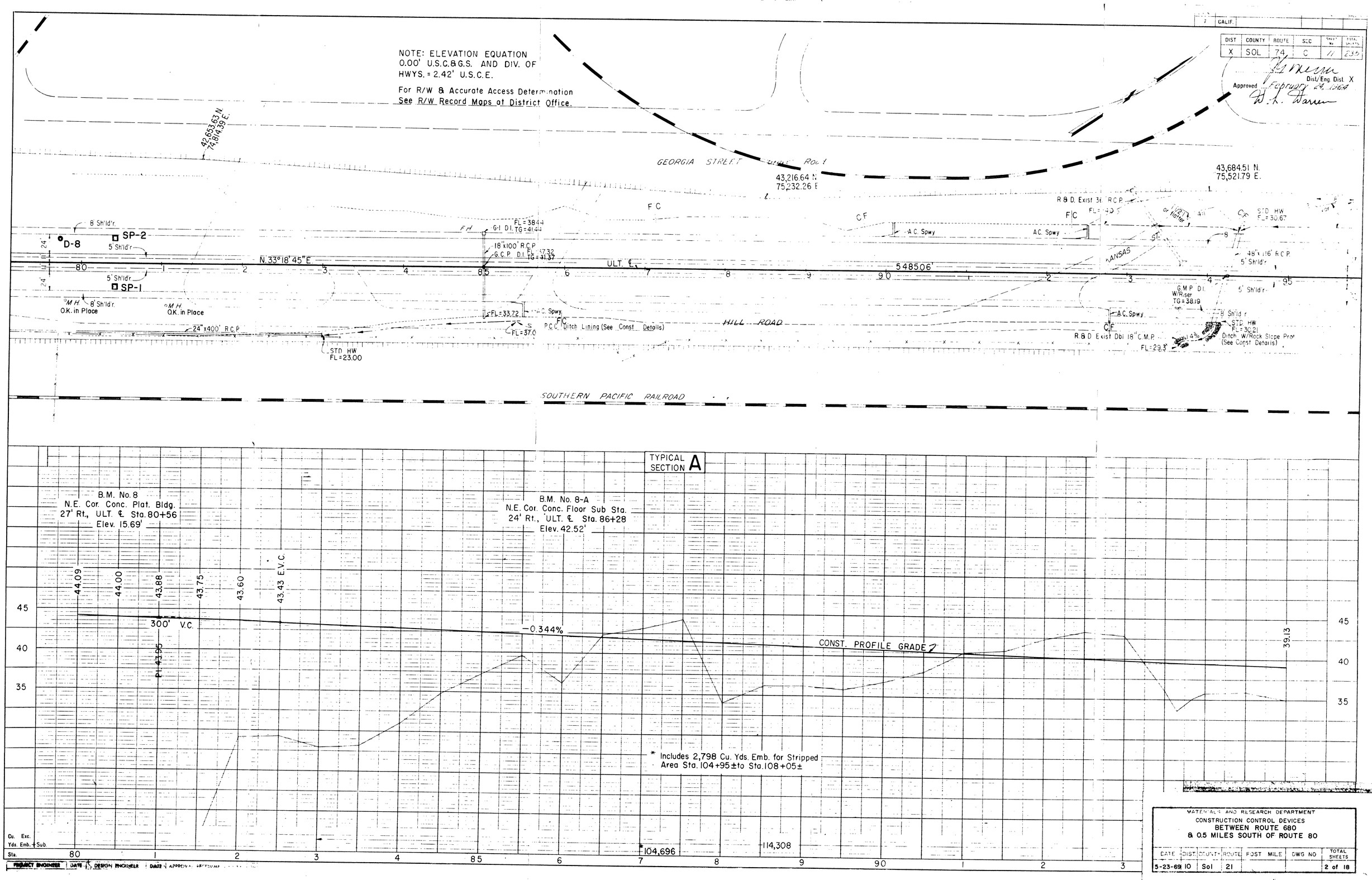
ClibPDF - www.fastio.com

DIST	COUNTY	ROUTE	SEC	SHEET No.	TOTAL SHEETS
X	SOL	74	C	11	235

Approved February 24, 1964
Dist. Eng. Dist. X
W. L. Warren

NOTE: ELEVATION EQUATION
0.00' U.S.C.&G.S. AND DIV. OF
HWYS. = 2.42' U.S.C.E.

For R/W & Accurate Access Determination
See R/W Record Maps at District Office.



PROJECT ENGINEER | DATE | DESIGN ENGINEER | DATE | APPROVAL RECOMMENDED

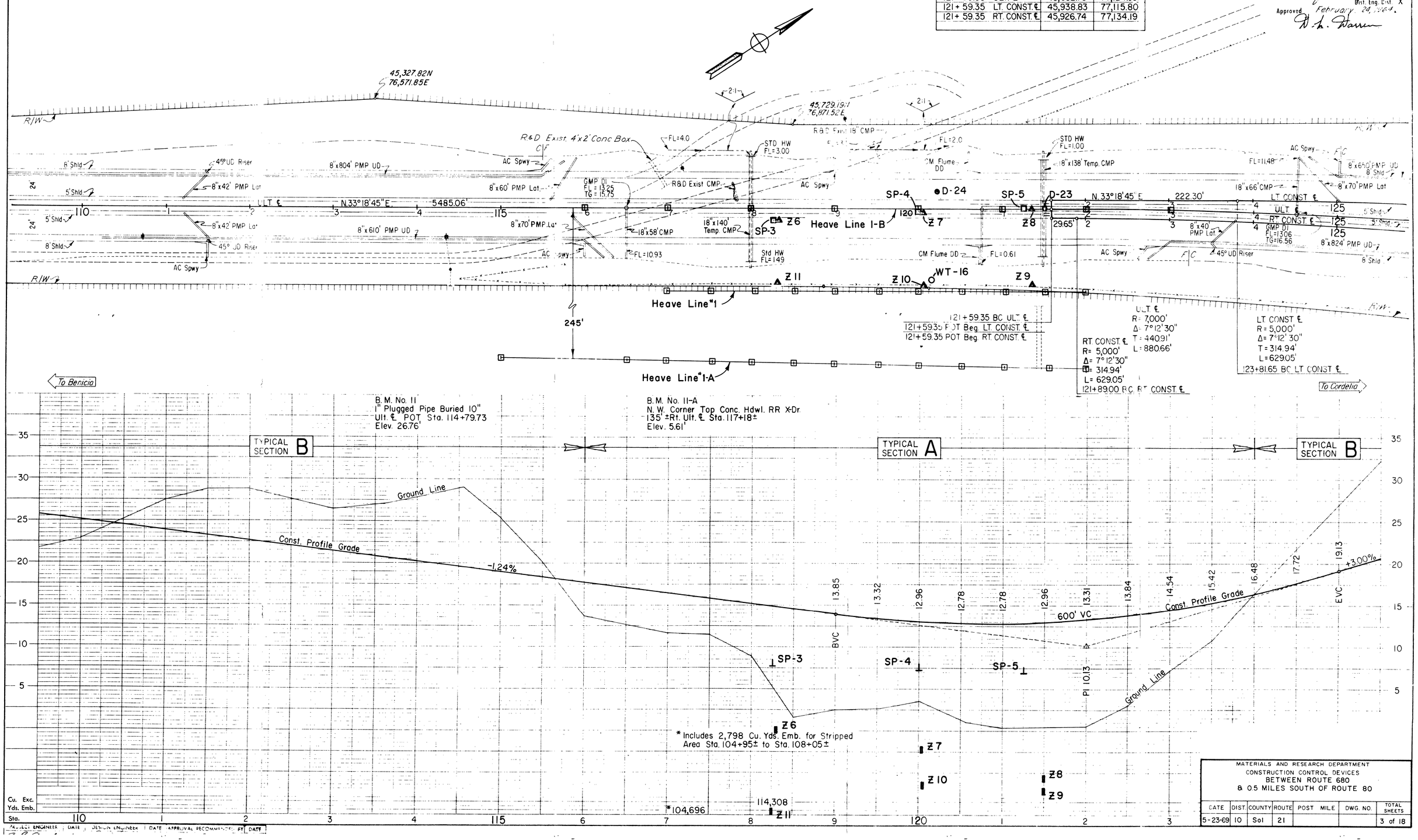
MATERIALS AND RESEARCH DEPARTMENT
CONSTRUCTION CONTROL DEVICES
BETWEEN ROUTE 680
& 0.5 MILES SOUTH OF ROUTE 80

DATE	DIST.	COUNTY	ROUTE	POST MILE	DWG NO	TOTAL SHEETS
5-23-69	10	Sol	21			2 of 18

DIST	COUNTY	ROUTE	SEC.	SHEET NO.	TOTAL SHEETS
X	SOL	74	C	13	235

Approved February 24, 1969
Dist. Eng. Dist. X

CONSTRUCTION COORDINATES			
STATION & LOCATION		N	E
121+59.35	ULT. ℄	45,932.78	77,124.99
121+59.35	LT. CONST. ℄	45,938.83	77,115.80
121+59.35	RT. CONST. ℄	45,926.74	77,134.19



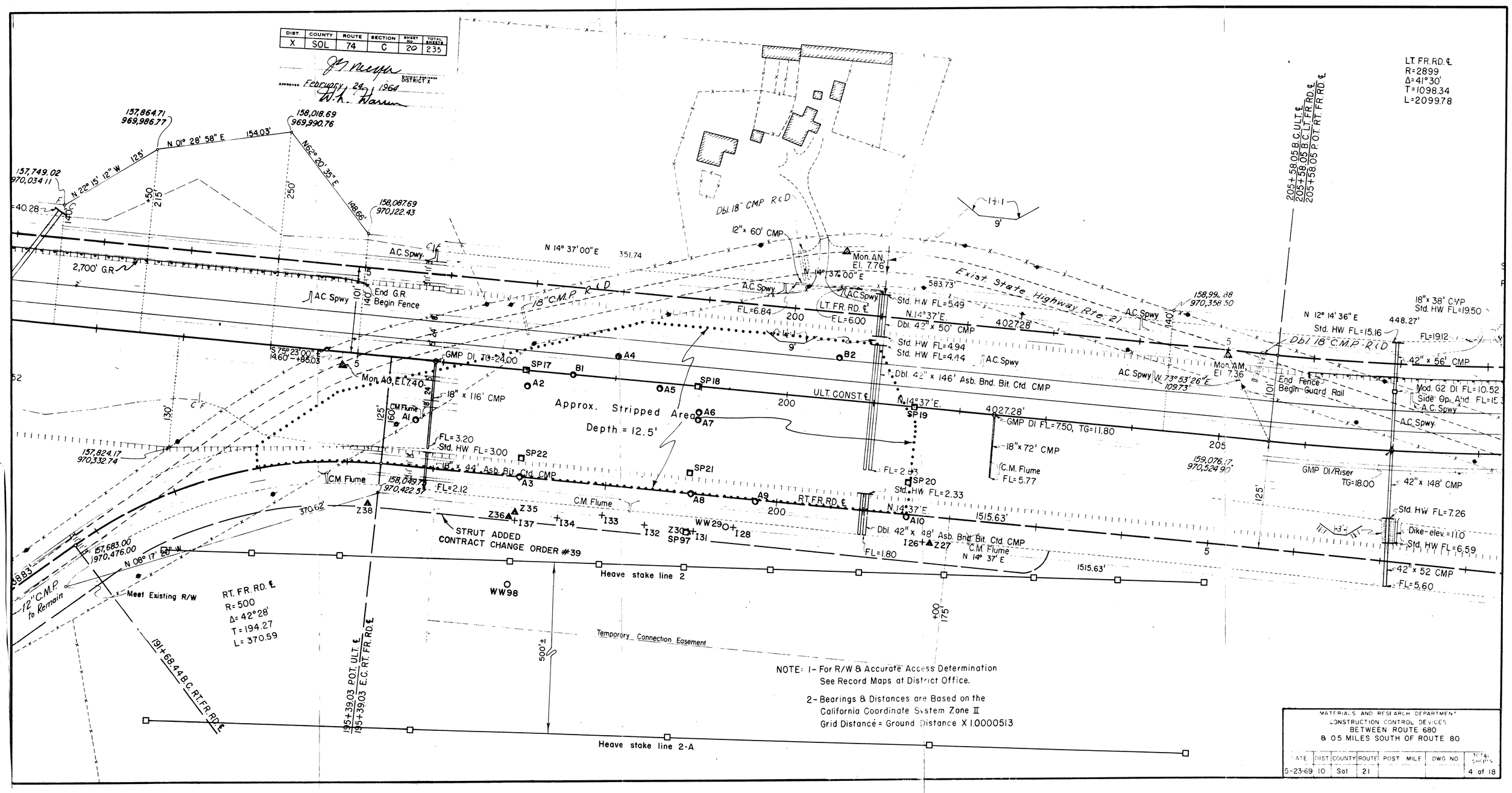
MATERIALS AND RESEARCH DEPARTMENT
CONSTRUCTION CONTROL DEVICES
BETWEEN ROUTE 680
& 0.5 MILES SOUTH OF ROUTE 80

DATE	DIST.	COUNTY	ROUTE	POST MILE	DWG. NO.	TOTAL SHEETS
5-23-69	10	Sol	21			3 of 18

PROJECT ENGINEER | DATE | DESIGN ENGINEER | DATE | APPROVAL RECOMMENDED BY | DATE

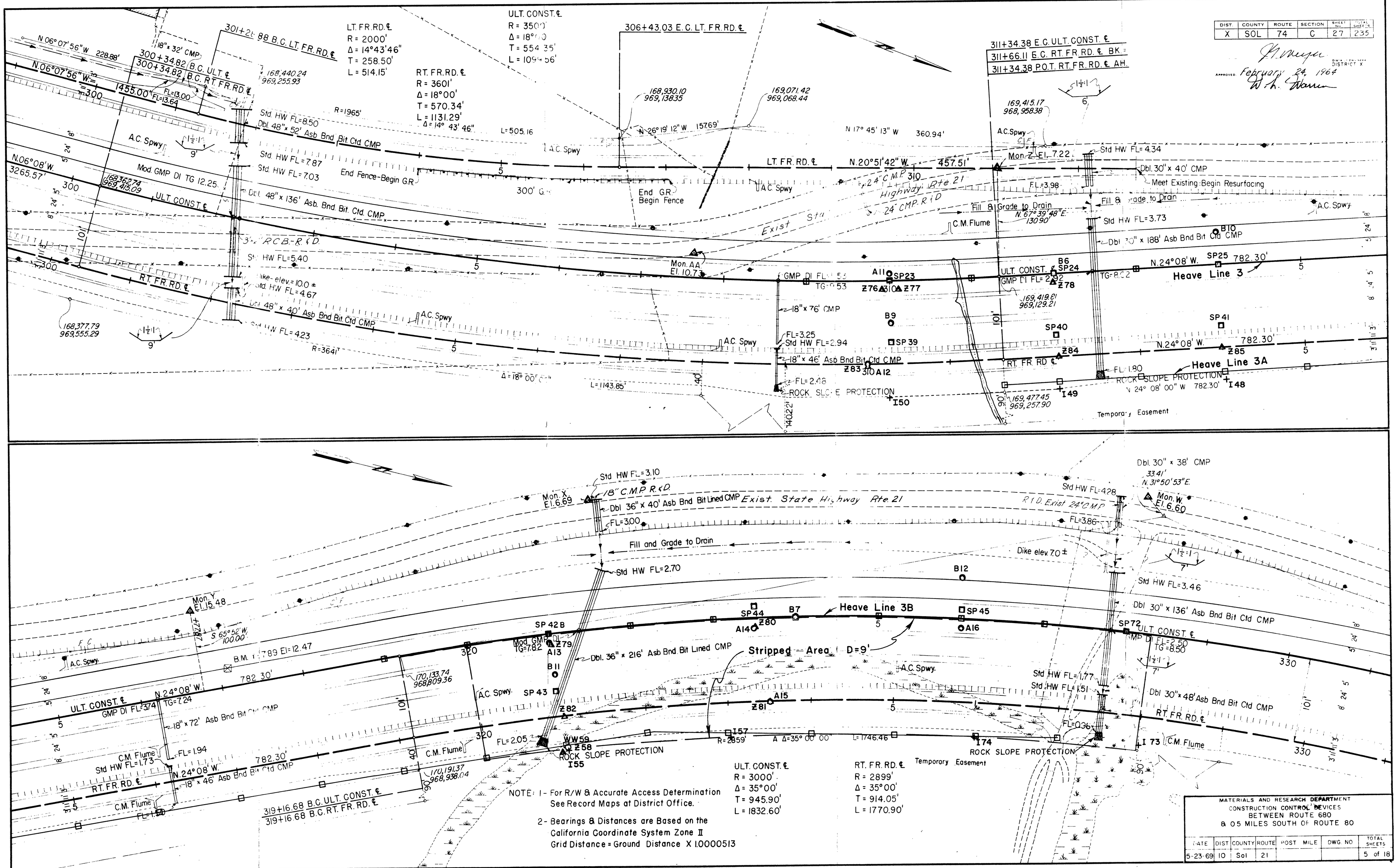
DIST.	COUNTY	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
X	SOL	74	C	20	235

APPROVED February 24, 1964
DISTRICT X



DIST.	COUNTY	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
X	SOL	74	C	27	235

APPROVED February 24, 1964
W. A. Warren
DISTRICT X



NOTE: 1- For R/W & Accurate Access Determination See Record Maps at District Office.

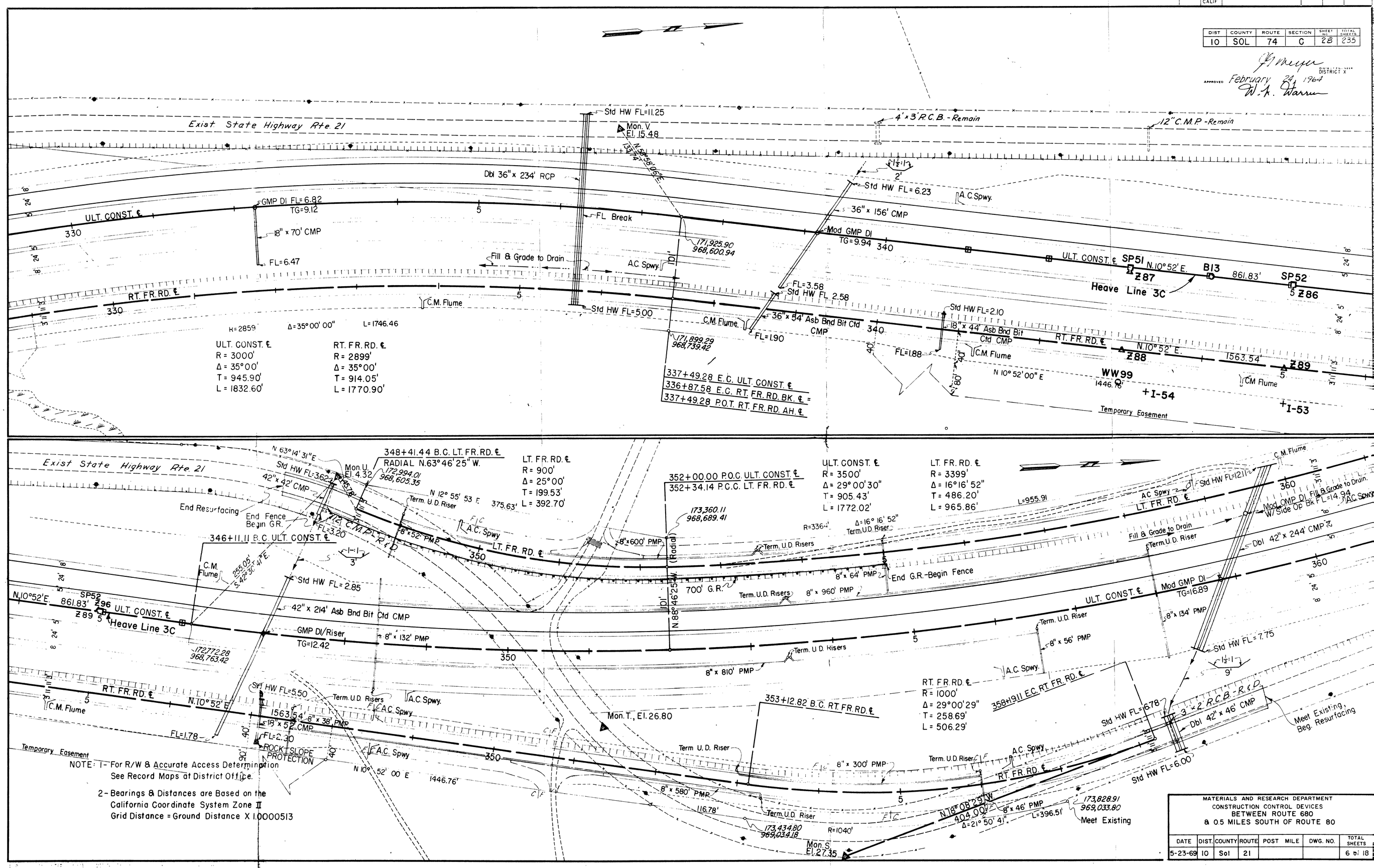
2- Bearings & Distances are Based on the California Coordinate System Zone II Grid Distance = Ground Distance X 1.0000513

MATERIALS AND RESEARCH DEPARTMENT
CONSTRUCTION CONTROL DEVICES
BETWEEN ROUTE 680
& 0.5 MILES SOUTH OF ROUTE 80

DATE	DIST	COUNTY	ROUTE	POST MILE	DWG. NO.	TOTAL SHEETS
5-23-69	10	Sol	21			5 of 18

DIST	COUNTY	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
10	SOL	74	C	28	235

APPROVED February 24, 1964



MATERIALS AND RESEARCH DEPARTMENT
CONSTRUCTION CONTROL DEVICES
BETWEEN ROUTE 680
& 0.5 MILES SOUTH OF ROUTE 80

DATE	DIST.	COUNTY	ROUTE	POST MILE	DWG. NO.	TOTAL SHEETS
5-23-69	10	Sol	21			6 of 18

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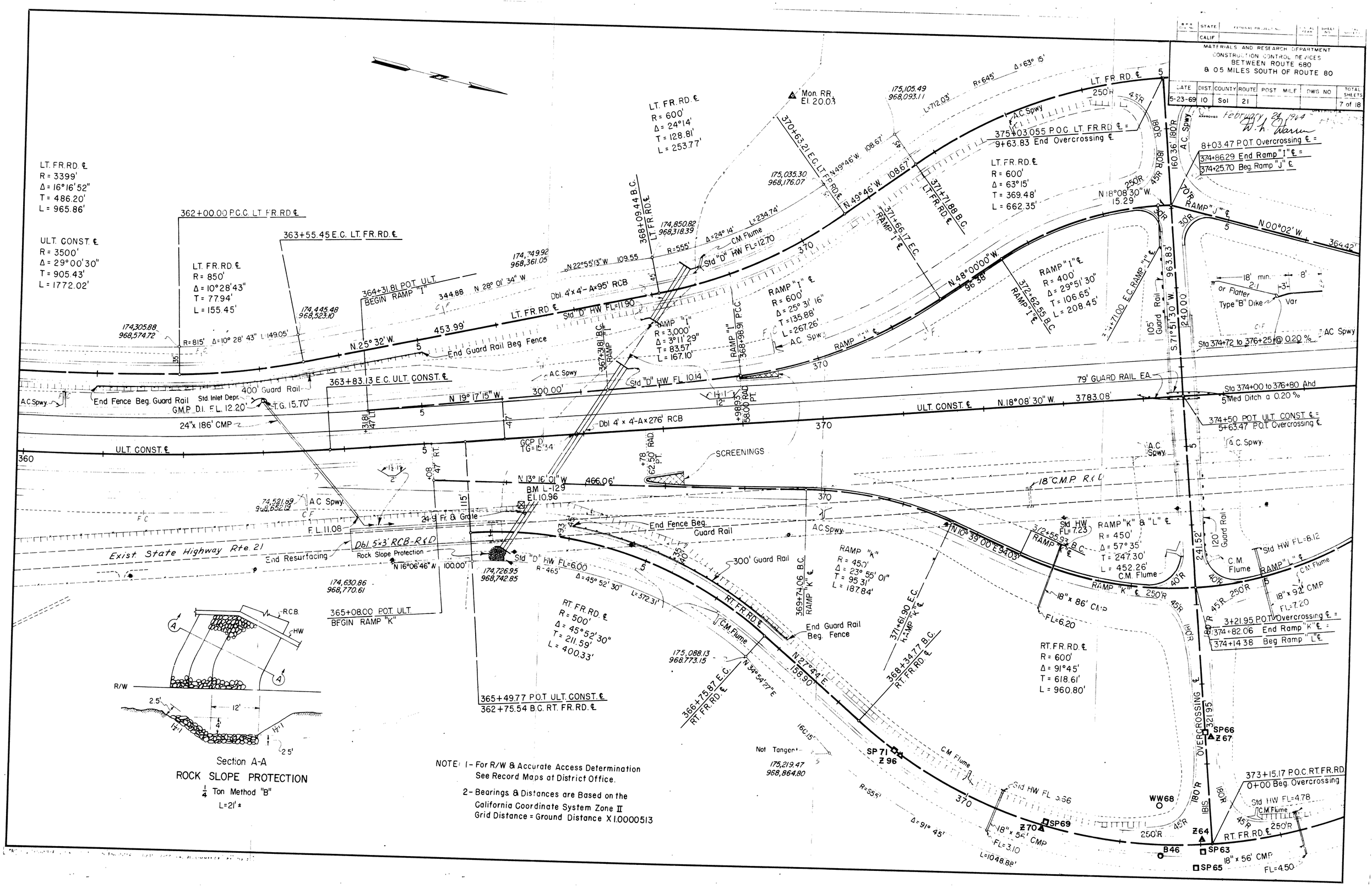
B.P.R. DIST. NO.	STATE	FEDERAL PROJECT NO.	FINAL PLAN	SHEET NO.	TOTAL SHEETS
	CALIF				

MATERIALS AND RESEARCH DEPARTMENT
CONSTRUCTION CONTROL DEVICES
BETWEEN ROUTE 680
& 05 MILES SOUTH OF ROUTE 80

DATE	DIST.	COUNTY	ROUTE	POST MILE	DWG NO	TOTAL SHEETS
5-23-69	10	Sol	21			7 of 18

APPROVED February 28, 1964
W. H. Harris

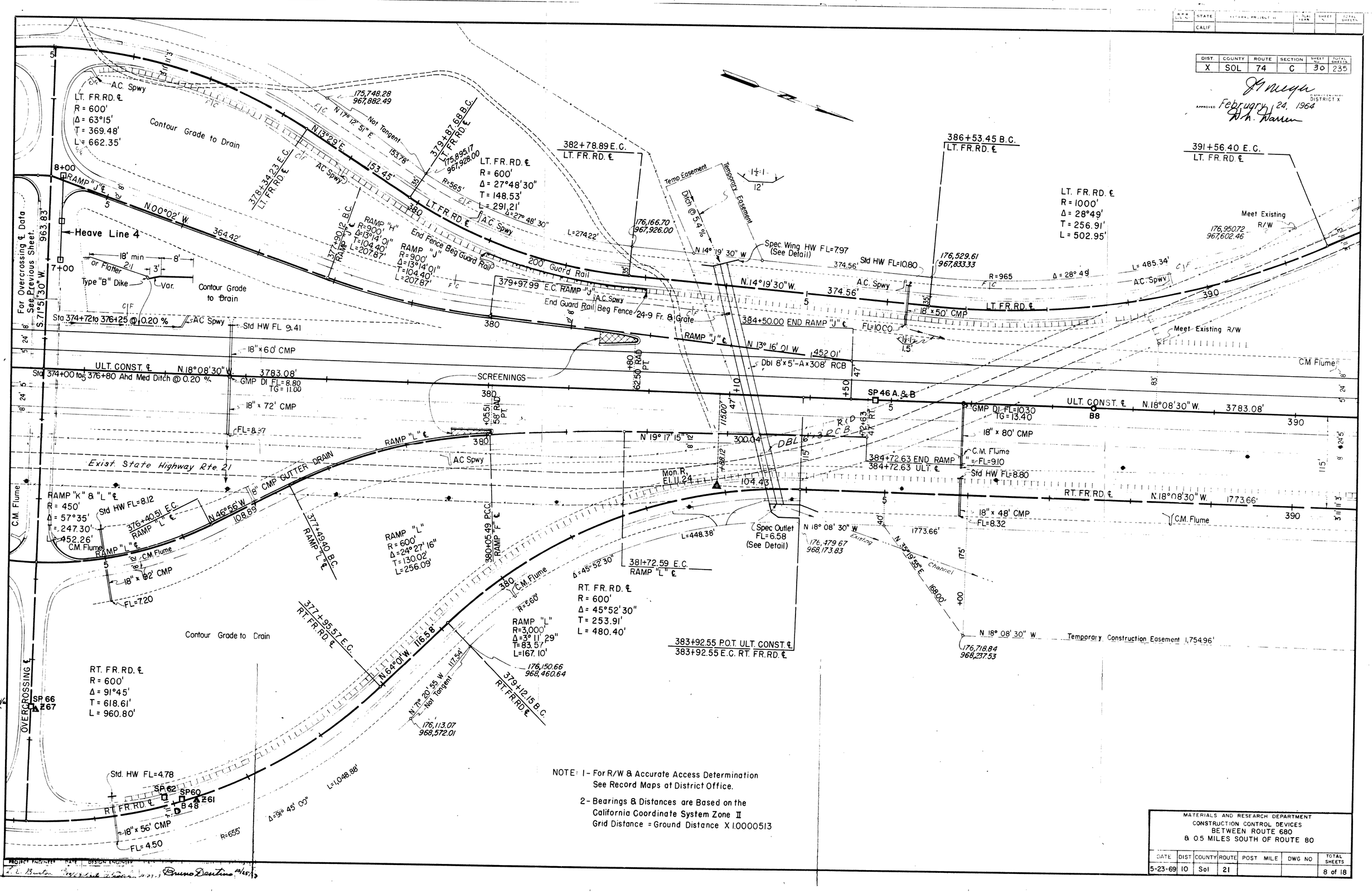


NOTE: 1- For R/W & Accurate Access Determination
See Record Maps at District Office.

2- Bearings & Distances are Based on the
California Coordinate System Zone II
Grid Distance = Ground Distance X 1.0000513

DIST.	COUNTY	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
X	SOL	74	C	30	235

APPROVED February 24, 1964
DISTRICT X



NOTE: 1 - For R/W & Accurate Access Determination See Record Maps at District Office.

2 - Bearings & Distances are Based on the California Coordinate System Zone II Grid Distance = Ground Distance X 1.0000513

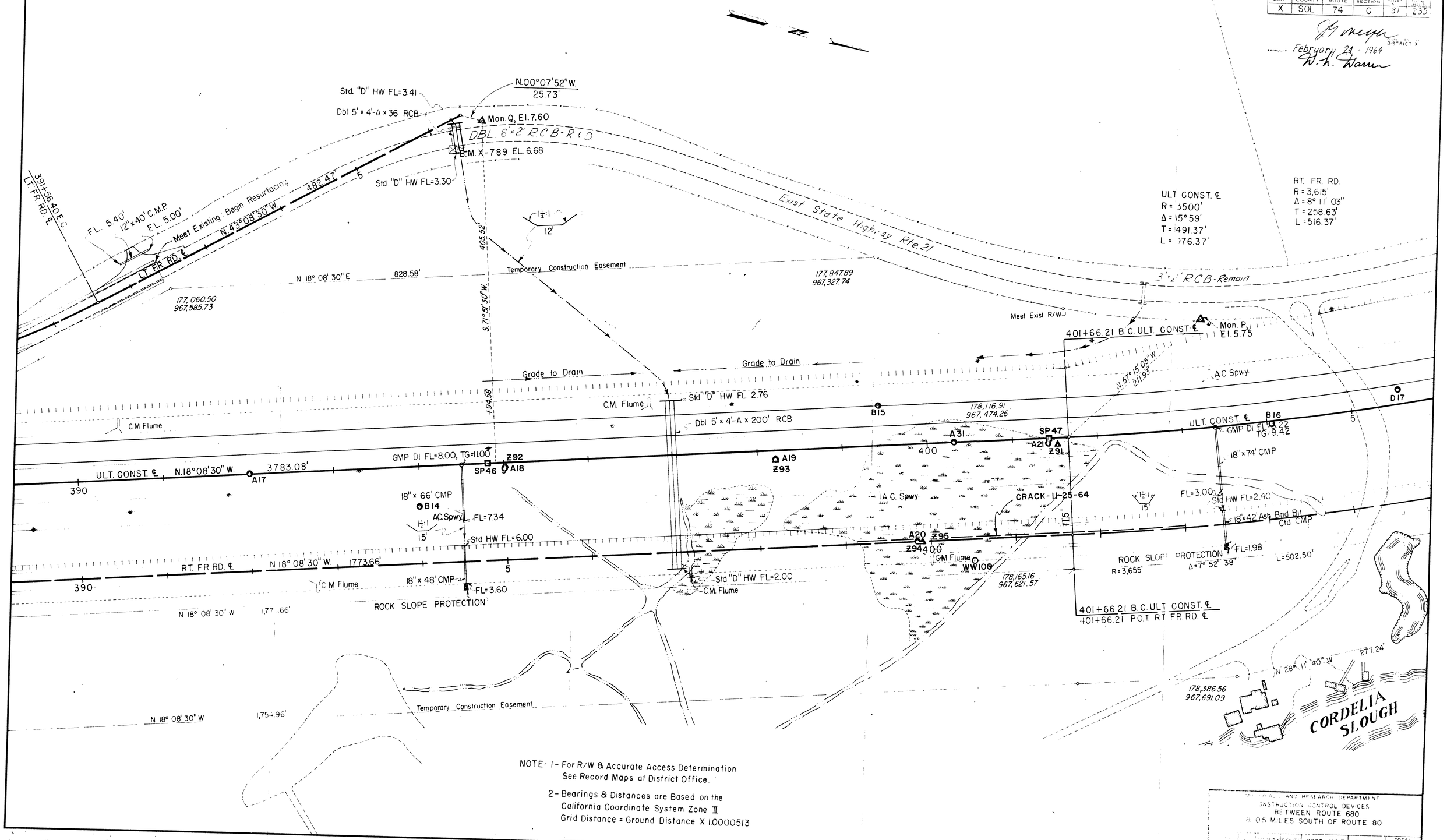
MATERIALS AND RESEARCH DEPARTMENT
CONSTRUCTION CONTROL DEVICES
BETWEEN ROUTE 680
& 0.5 MILES SOUTH OF ROUTE 80

DATE	DIST	COUNTY	ROUTE	POST MILE	DWG NO	TOTAL SHEETS
5-23-69	10	Sol	21			8 of 18

DIST	COUNTY	ROUTE	SECTION	SHEET	TOTAL SHEETS
X	SOL	74	C	31	235

DISTRICT X

February 24, 1964

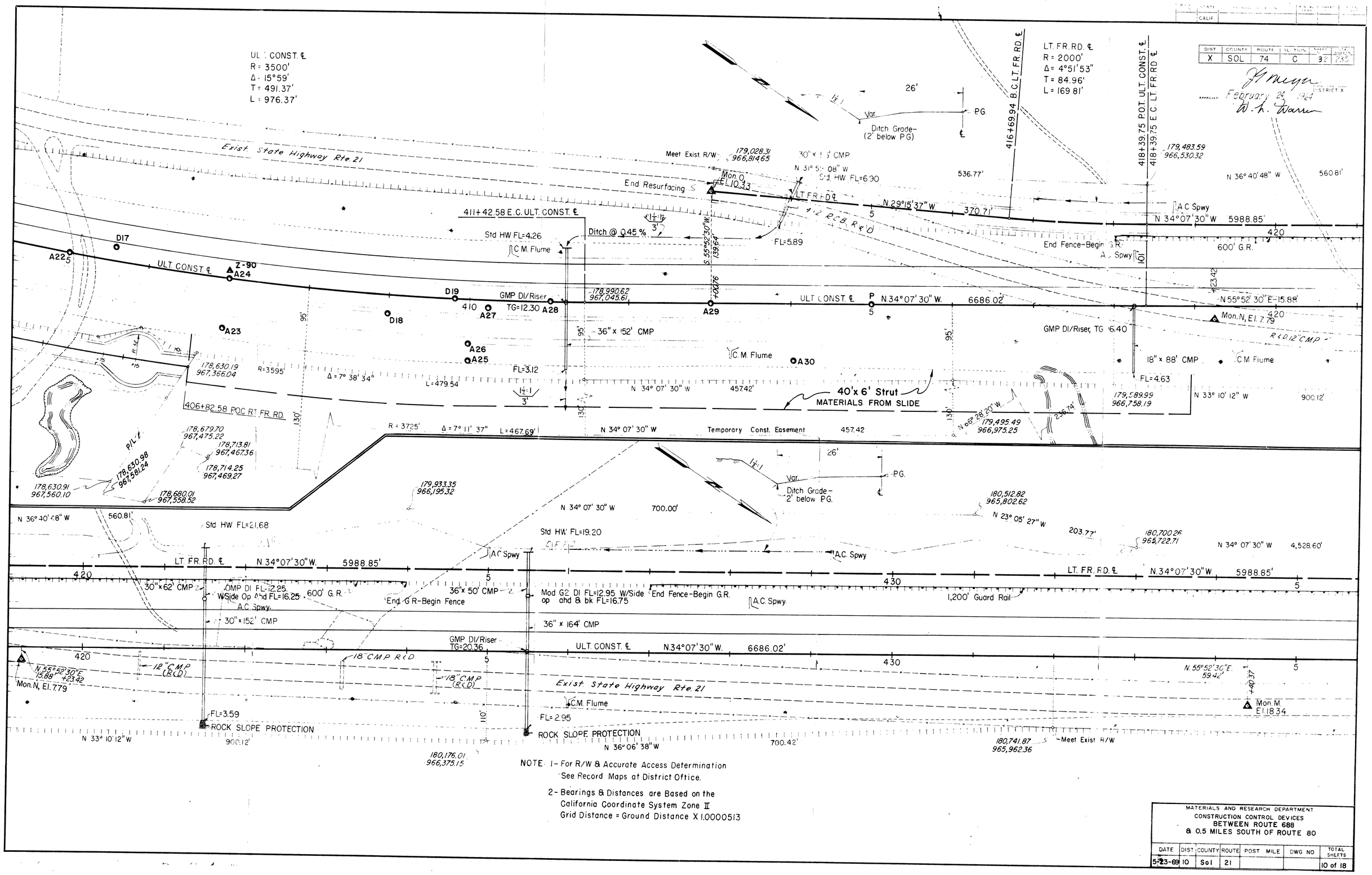


NOTE: 1- For R/W & Accurate Access Determination See Record Maps at District Office.

2- Bearings & Distances are Based on the California Coordinate System Zone II Grid Distance = Ground Distance X 1.0000513

MATERIALS AND RESEARCH DEPARTMENT
CONSTRUCTION CONTROL DEVICES
BETWEEN ROUTE 680
& 0.5 MILES SOUTH OF ROUTE 80

	COUNTY	ROUTE	POST MILE	DWG NO	TOTAL SHEETS
5-23-69	Sol	21			9 of 18



NOTE 1- For R/W & Accurate Access Determination See Record Maps at District Office.

2- Bearings & Distances are Based on the California Coordinate System Zone II Grid Distance = Ground Distance X 1.0000513

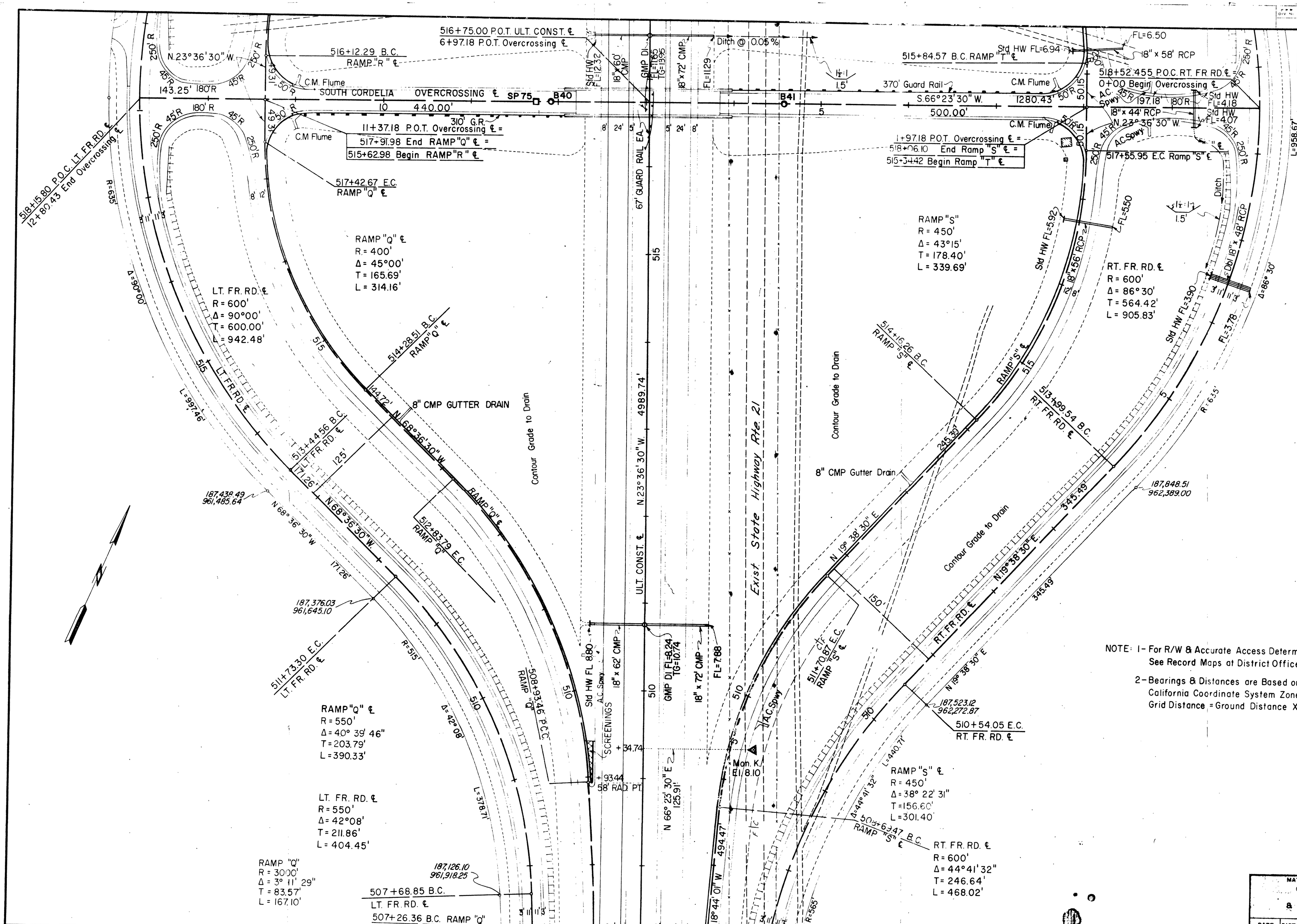
MATERIALS AND RESEARCH DEPARTMENT
CONSTRUCTION CONTROL DEVICES
BETWEEN ROUTE 688
& 0.5 MILES SOUTH OF ROUTE 80

DATE	DIST	COUNTY	ROUTE	POST MILE	DWG NO	TOTAL SHEETS
5-23-69	10	Sol	21			10 of 18

FED. DIV. NO.	STATE	FEDERAL PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	CALIF.				

DIST.	COUNTY	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
X	SOL	74	C	36	235

APPROVED February 24, 1964 — DISTRICT X



NOTE: 1 - For R/W & Accurate Access Determination See Record Maps at District Office.

2 - Bearings & Distances are Based on the California Coordinate System Zone II Grid Distance = Ground Distance X 1.0000513

PROJECT ENGINEER	DATE	DESIGN ENGINEER	DATE	APPROVAL RECOMMENDED BY	DATE
				Bruno Dantino	9/28/64

MATERIALS AND RESEARCH DEPARTMENT
CONSTRUCTION CONTROL DEVICES
BETWEEN ROUTE 680
& 0.5 MILES SOUTH OF ROUTE 80

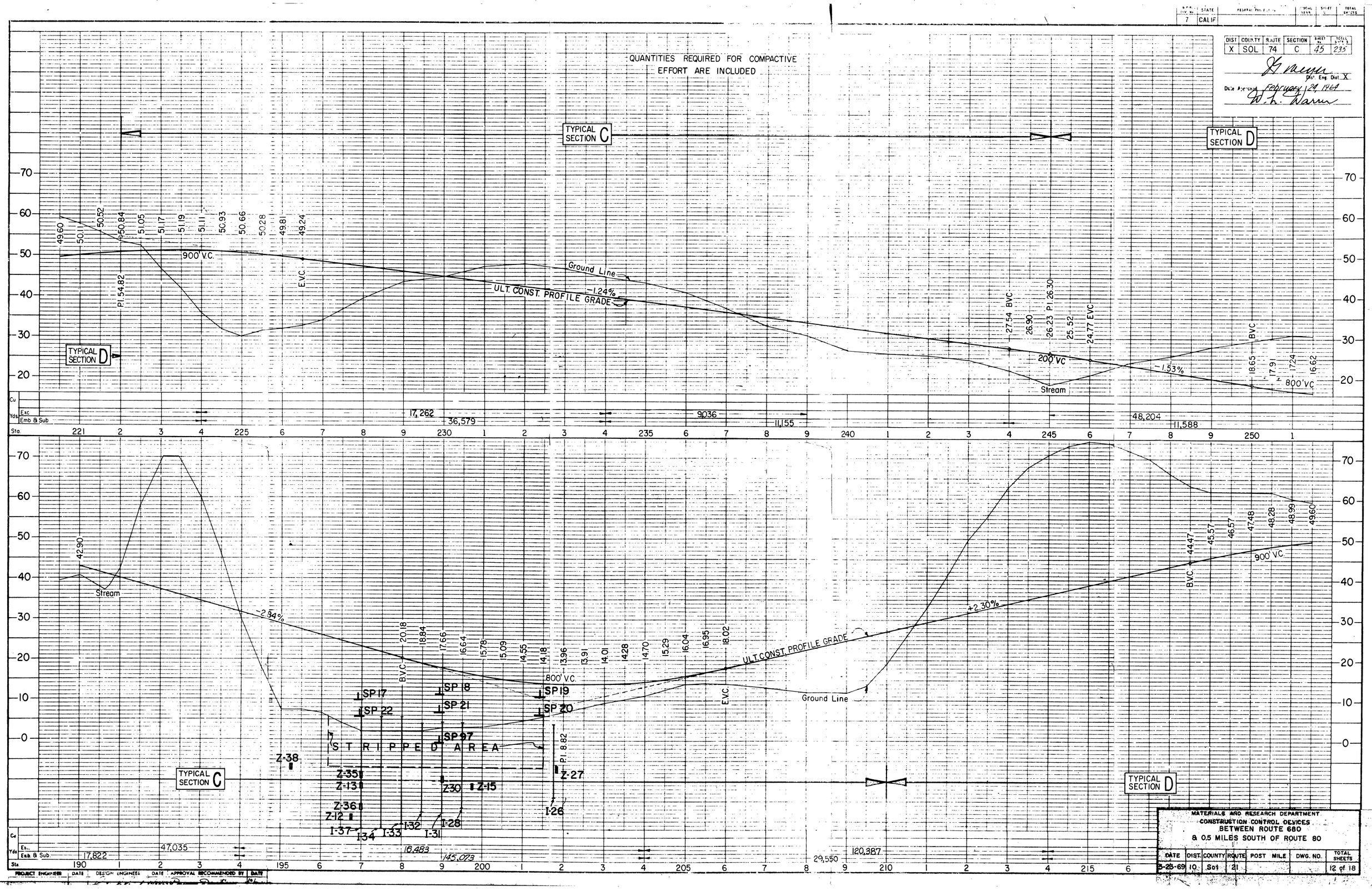
DATE	DIST.	COUNTY	ROUTE	POST MILE	DWG. NO.	TOTAL SHEETS
5-23-69	10	Sol	21			11 of 18

DIST	COUNTY	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
X	SOL	74	C	45	235

Dist. Eng. Dist. X

Date Approved February 24, 1969

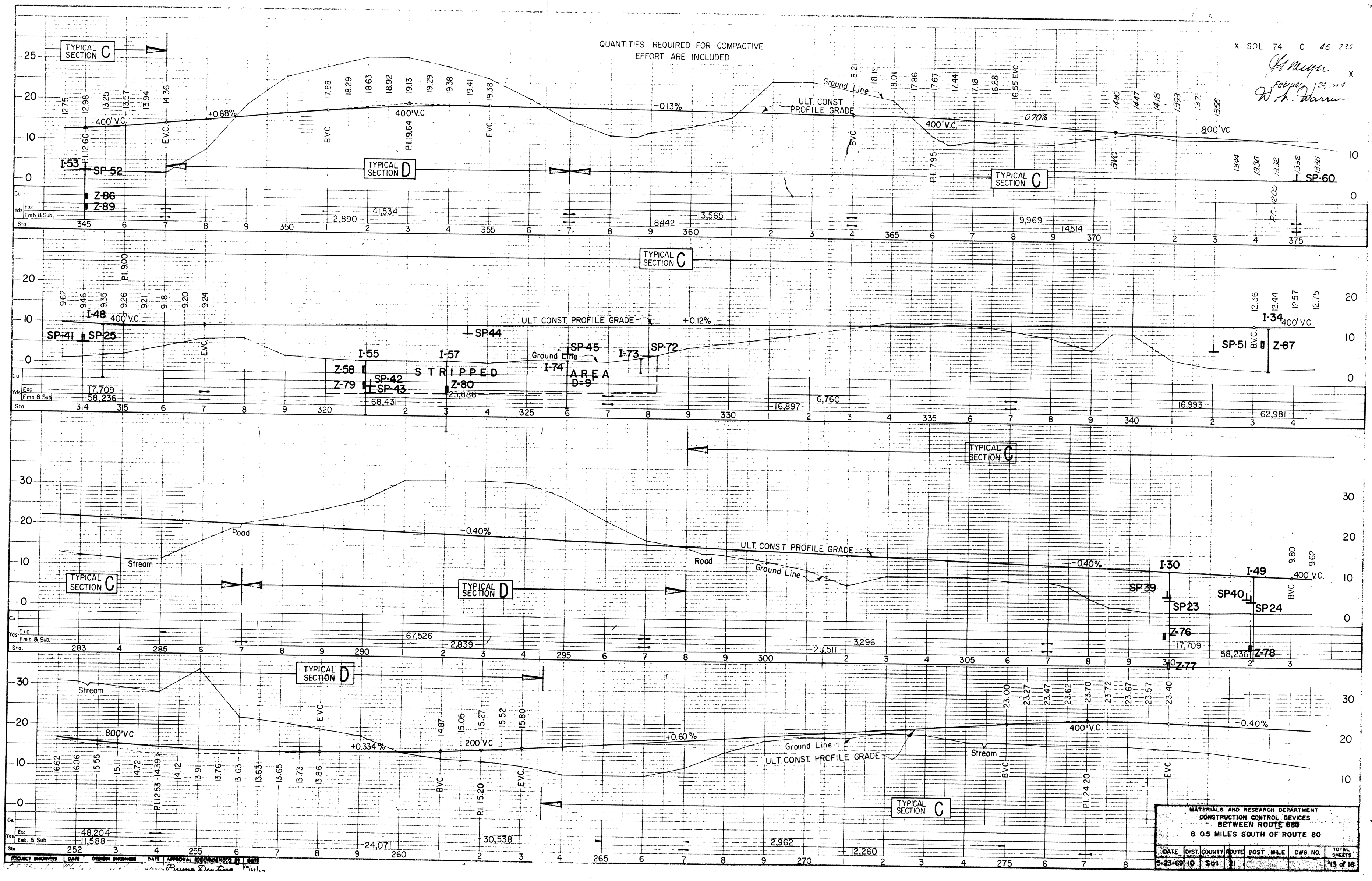
QUANTITIES REQUIRED FOR COMPACTIVE EFFORT ARE INCLUDED

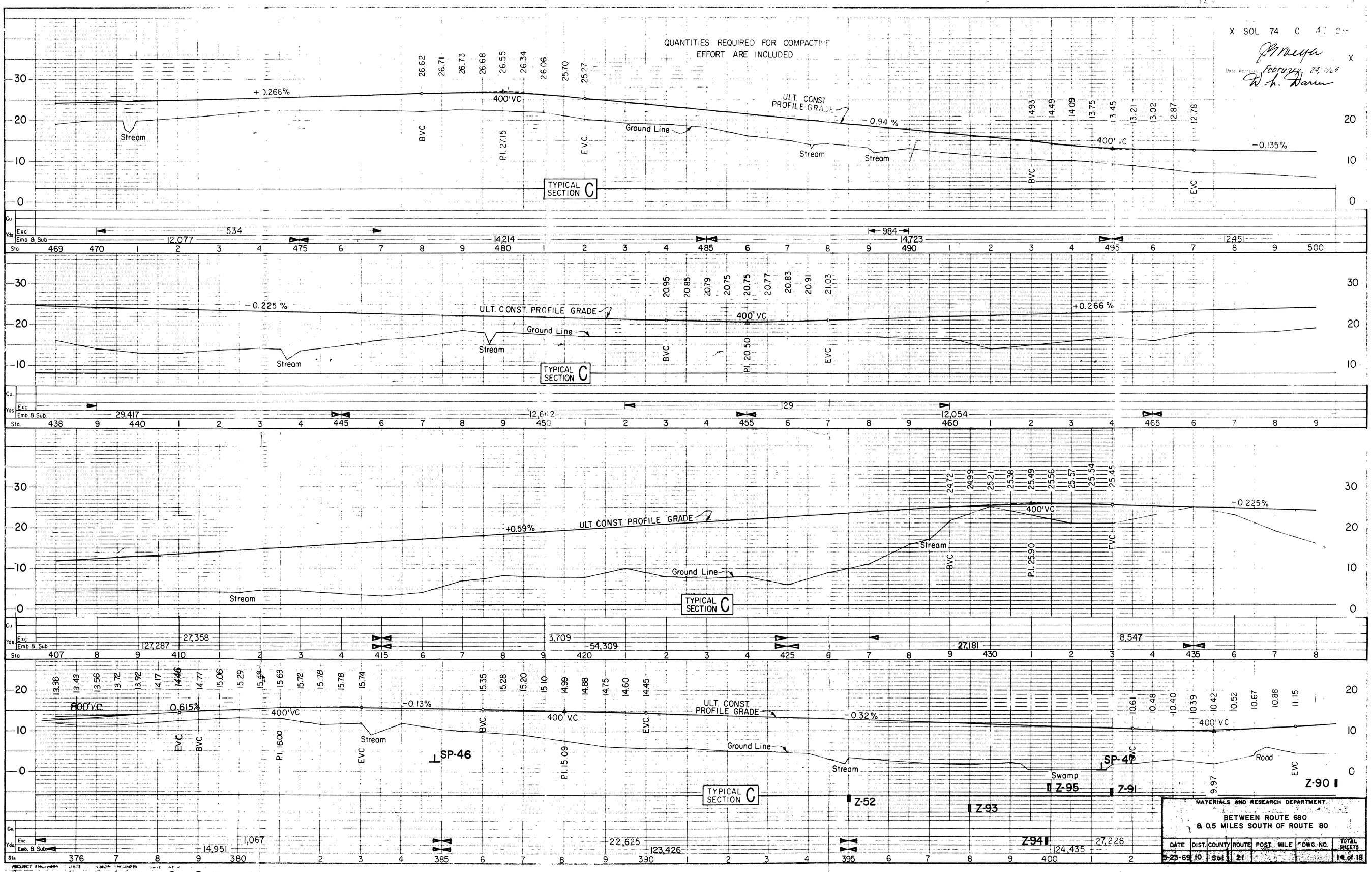


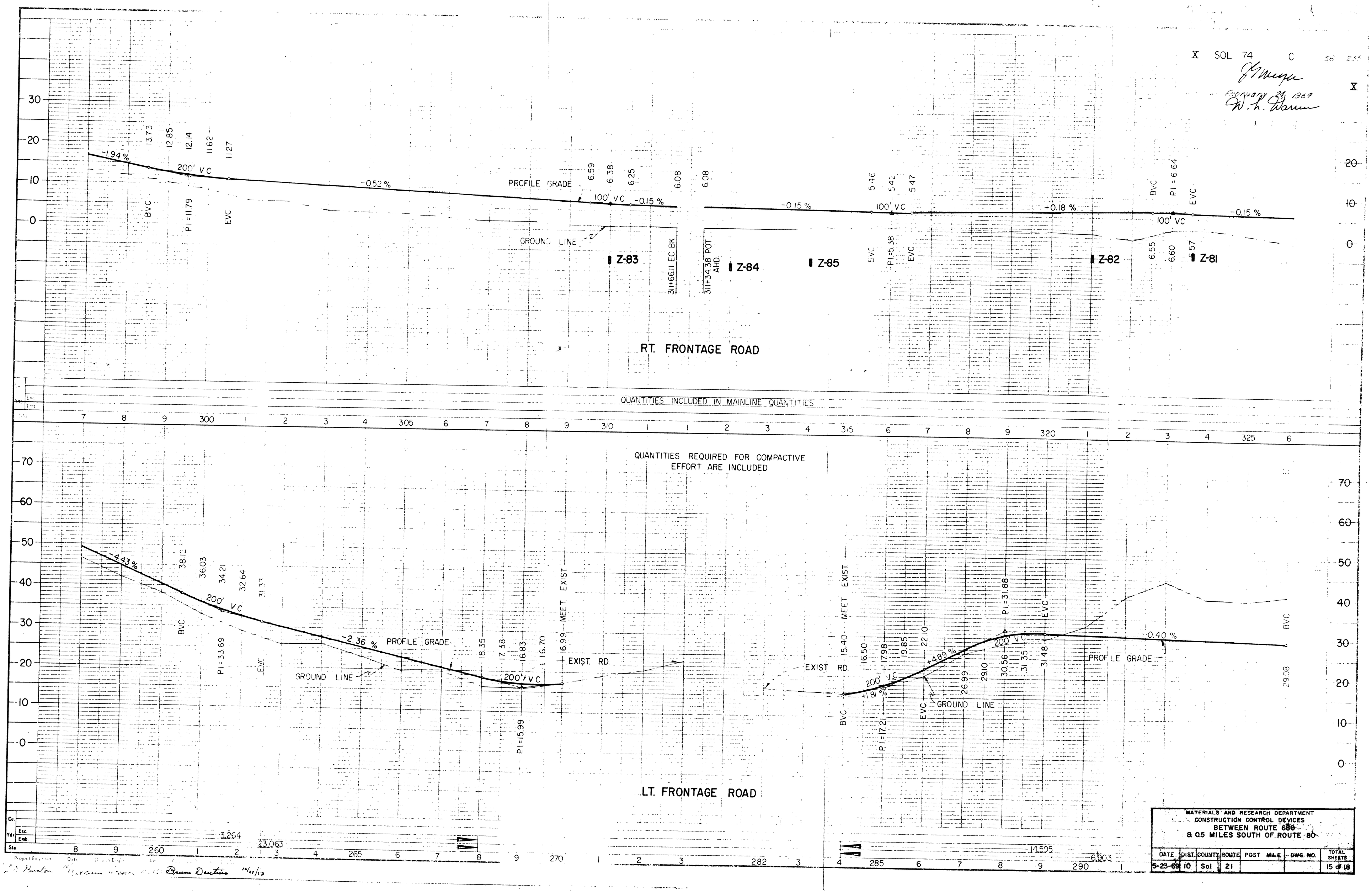
MATERIALS AND RESEARCH DEPARTMENT
CONSTRUCTION CONTROL DEVICES
BETWEEN ROUTE 680
& 0.5 MILES SOUTH OF ROUTE 80

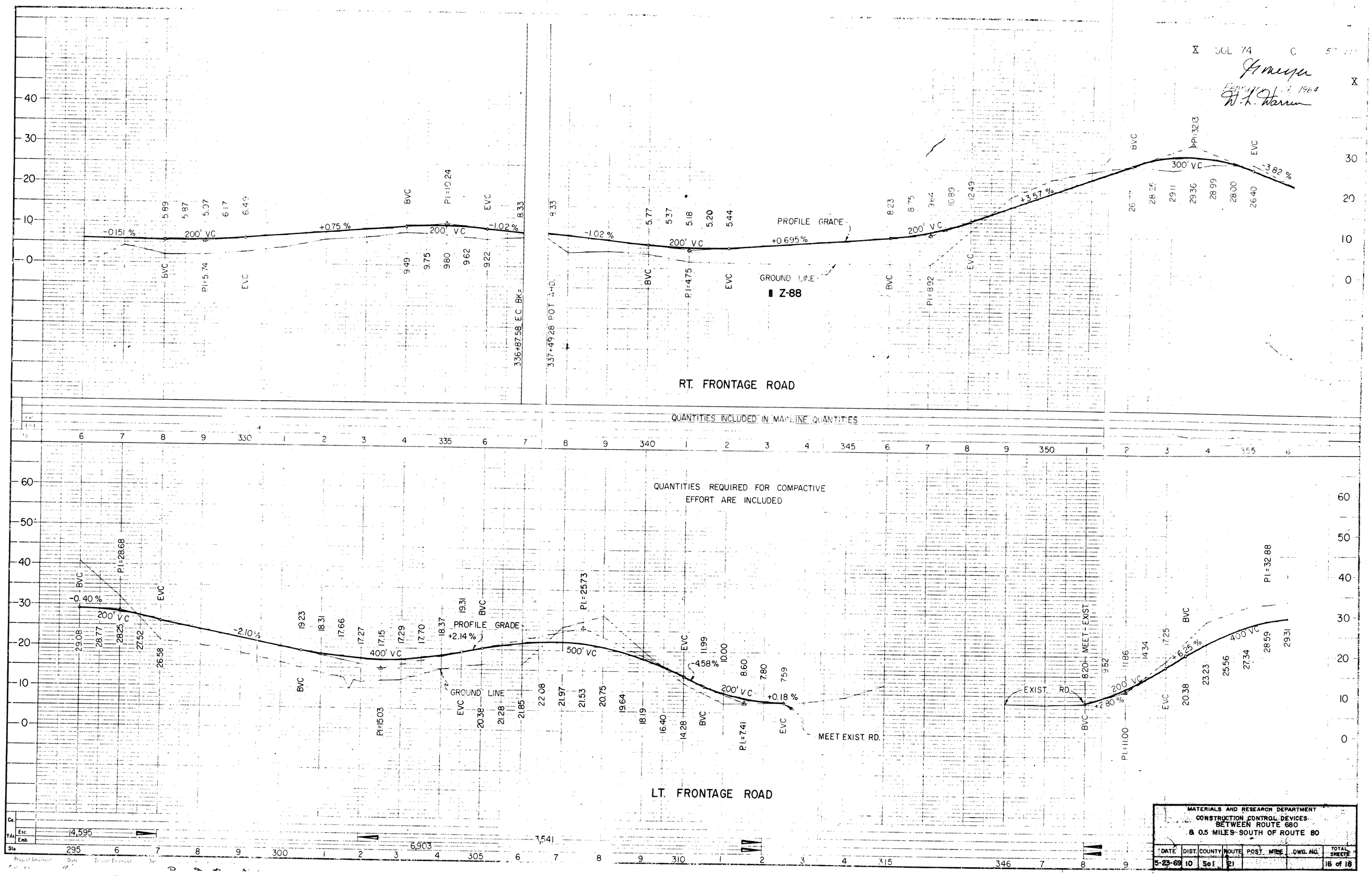
DATE	DIST.	COUNTY	ROUTE	POST MILE	DWG. NO.	TOTAL SHEETS
3-25-69	10	Sol	21			12 of 18

PROJECT ENGINEER | DATE | DESIGN ENGINEER | DATE | APPROVAL RECOMMENDED BY | DATE


QUANTITIES REQUIRED FOR COMPACTIVE EFFORT ARE INCLUDED
X SOL 74 C 46 235
TYPICAL SECTION C
TYPICAL SECTION D
ULT. CONST. PROFILE GRADE
Ground Line
400' V.C.
800' VC
+0.88%
-0.13%
-0.70%
+0.12%
-0.40%
+0.334%
+0.60%
STRIPPED AREA D=9
Road
Stream
I-53
SP-52
Z-86
Z-89
I-48
SP-41
SP-25
SP44
I-55
I-57
SP-45
I-73
SP-72
I-74
Z-58
Z-79
SP-42
SP-43
Z-80
I-34
SP-51
Z-87
I-30
I-49
SP 39
SP23
SP40
SP24
Z-76
Z-77
Z-78
SP-60
MATERIALS AND RESEARCH DEPARTMENT
CONSTRUCTION CONTROL DEVICES
BETWEEN ROUTE 680
& 0.5 MILES SOUTH OF ROUTE 80
DATE 5-23-69
DIST. 10
COUNTY Sol
ROUTE 21
POST MILE
DWG. NO.
TOTAL SHEETS 13 of 18
46

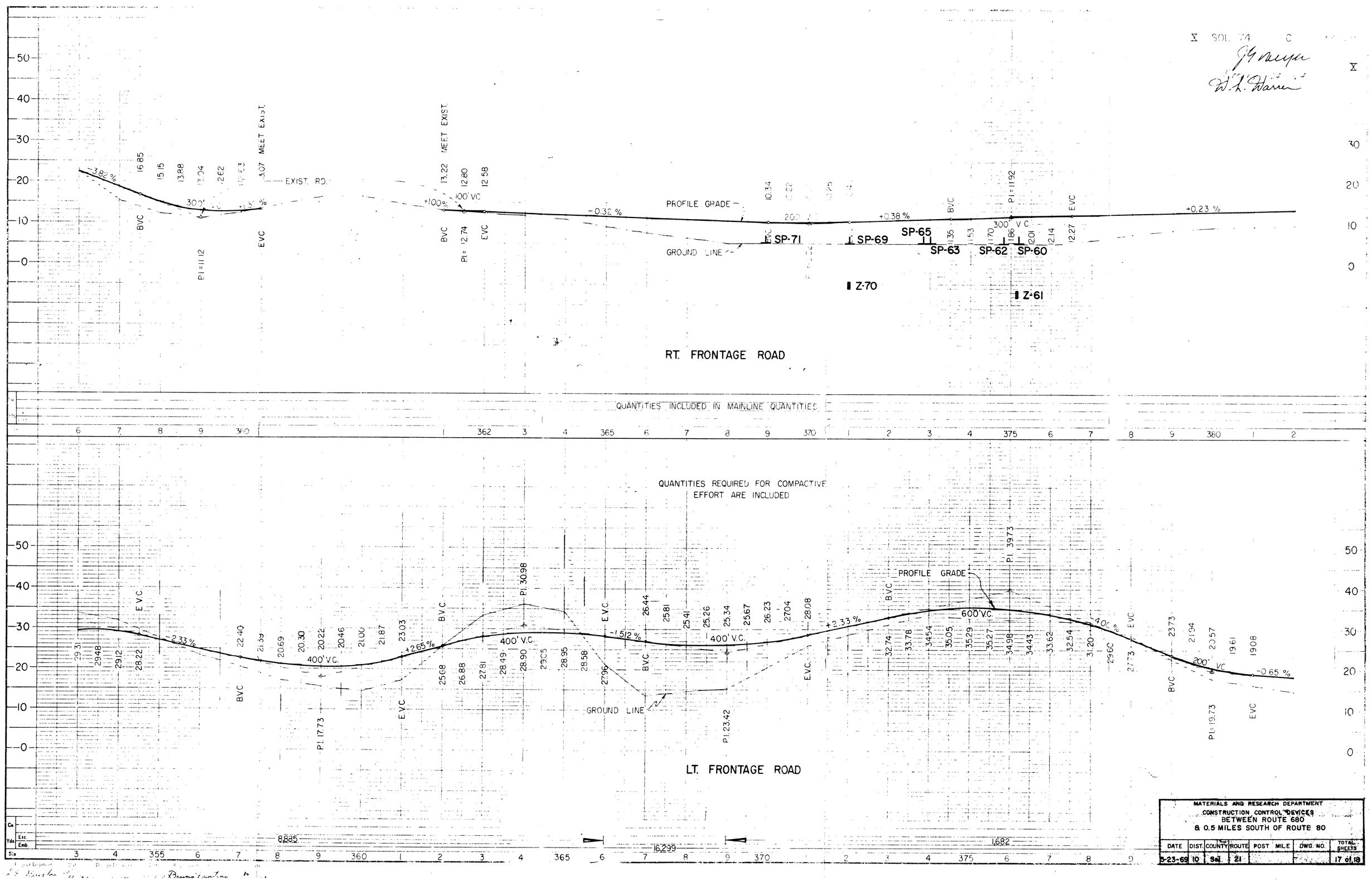

QUANTITIES REQUIRED FOR COMPACTING EFFORT ARE INCLUDED
X SOL 74 C
+0.266%
400'VC
ULT. CONST PROFILE GRADE
-0.94 %
-0.135%
Ground Line
Stream
BVC
P.I. 27.15
EVC
TYPICAL SECTION C
Cu Yds Exc 534
Emb & Sub 12,077 14,214 984 14,723 12,451
Sta 469 470 475 480 485 490 495 500
-0.225 %
+0.266 %
P.I. 20.50
Cu. Yds Exc 129
Emb & Sub 29,417 12,642 12,054
Sta. 438 440 445 450 455 460 465
+0.59%
P.I. 25.90
-0.225%
Cu Yds Exc 27,358 3,709 27,181 8,547
Emb & Sub 127,287 54,309
Sta 407 410 415 420 425 430 435
-0.13%
0.615%
P.I. 16.00
P.I. 15.09
-0.32%
SP-46
SP-47
Swamp
Road
Z-52
Z-93
Z-95
Z-91
Z-94
Z-90
Cu Yds Exc 1,067 22,625 27,228
Emb & Sub 14,951 123,426 124,435
Sta 376 380 385 390 395 400
MATERIALS AND RESEARCH DEPARTMENT
BETWEEN ROUTE 680 & 0.5 MILES SOUTH OF ROUTE 80
DATE DIST. COUNTY ROUTE POST MILE DWG. NO. TOTAL SHEETS
5-23-69 10 Sol 21 14 of 18


X SOL 74 C
February 24, 1969
-1.94 %
200' VC
-0.52 %
PROFILE GRADE
100' VC
-0.15 %
+0.18 %
GROUND LINE
Z-83
311+66.11 EC BK
311+34.38 POT AHD.
Z-84
Z-85
Z-82
Z-81
BVC
PI = 11.79
EVC
PI = 5.38
PI = 6.64
RT. FRONTAGE ROAD
QUANTITIES INCLUDED IN MAINLINE QUANTITIES
QUANTITIES REQUIRED FOR COMPACTIVE EFFORT ARE INCLUDED
-4.43 %
-2.36 %
PROFILE GRADE
GROUND LINE
EXIST. RD.
MEET EXIST
PI = 33.69
PI = 15.99
+1.81 %
+4.89 %
PI = 17.21
PI = 31.88
0.40 %
LT. FRONTAGE ROAD
3,264
23,063
14,505
6,903
MATERIALS AND RESEARCH DEPARTMENT
CONSTRUCTION CONTROL DEVICES
BETWEEN ROUTE 680
& 0.5 MILES SOUTH OF ROUTE 80
DATE 5-23-69
DIST. 10
COUNTY Sol
ROUTE 21
POST MILE
DWG. NO.
TOTAL SHEETS 15 of 18



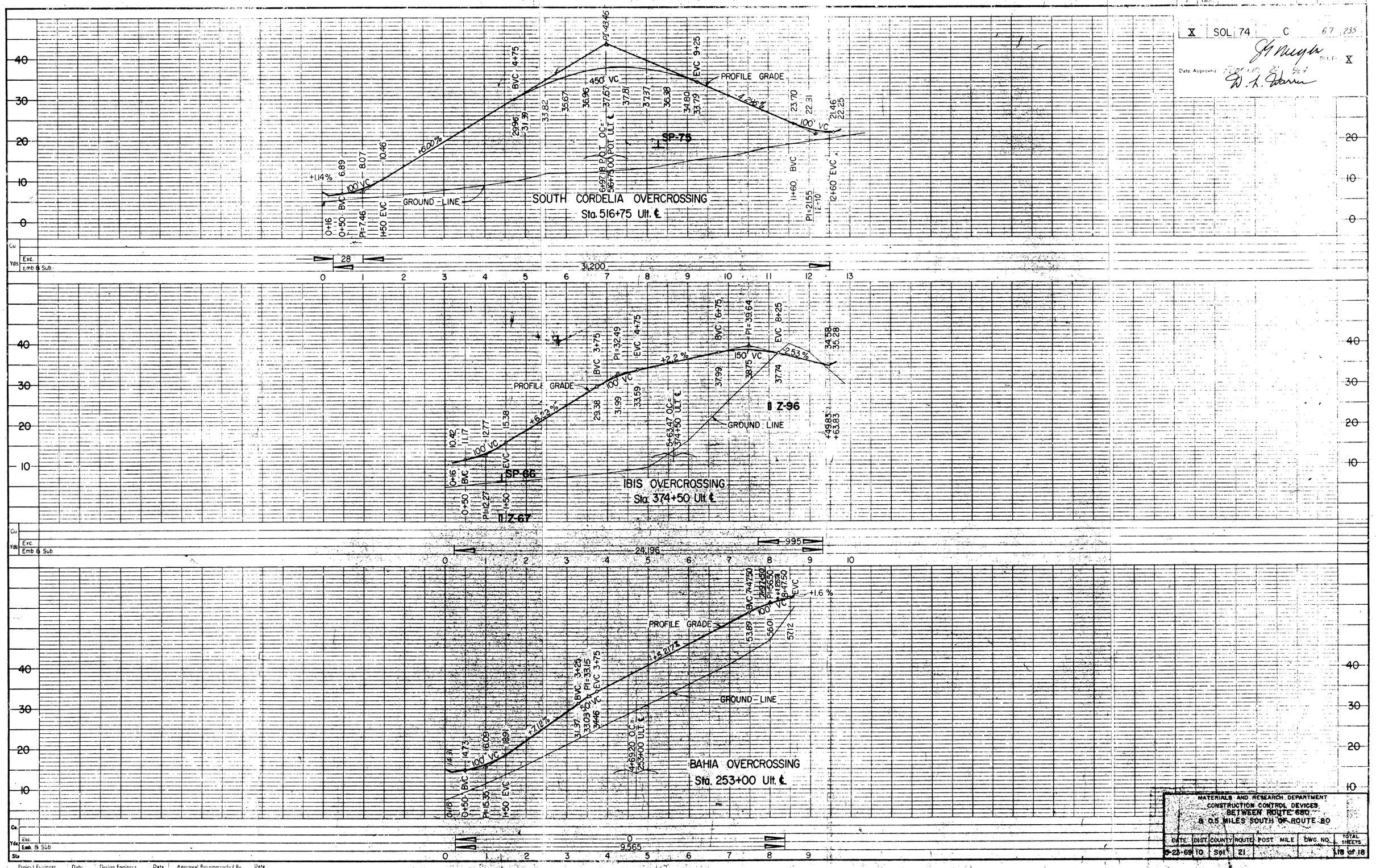
MATERIALS AND RESEARCH DEPARTMENT
CONSTRUCTION CONTROL DEVICES
BETWEEN ROUTE 680
& 0.5 MILES SOUTH OF ROUTE 80

DATE	DIST.	COUNTY	ROUTE	POST MILE		DWG. NO.	TOTAL SHEETS
5-23-69	10	Sol	21				16 of 18



MATERIALS AND RESEARCH DEPARTMENT
CONSTRUCTION CONTROL DEVICES
BETWEEN ROUTE 680
& 0.5 MILES SOUTH OF ROUTE 80

DATE	DIST.	COUNTY	ROUTE	POST MILE	DWG. NO.	TOTAL SHEETS
5-23-69	10	Sol.	21			17 of 18


X SOL 74 C 67 235
Date Approved
SOUTH CORDELIA OVERCROSSING
Sta. 516+75 Ult. ℄
PROFILE GRADE
GROUND-LINE
SP-75
IBIS OVERCROSSING
Sta. 374+50 Ult. ℄
Z-96
Z-67
SP-66
BAHIA OVERCROSSING
Sta. 253+00 Ult. ℄
MATERIALS AND RESEARCH DEPARTMENT
CONSTRUCTION CONTROL DEVICES
BETWEEN ROUTE 680
& 0.5 MILES SOUTH OF ROUTE 80
DATE DIST. COUNTY ROUTE POST MILE DWG. NO. TOTAL SHEETS
5-23-69 10 Sol 21 18 of 18
Project Engineer Date Design Engineer Date Approval Recommended By Date