INDEX OF SHEETS

Sheet No. 1 Title Page
" " 2 Typical Cross Section of Improvement
" " 3

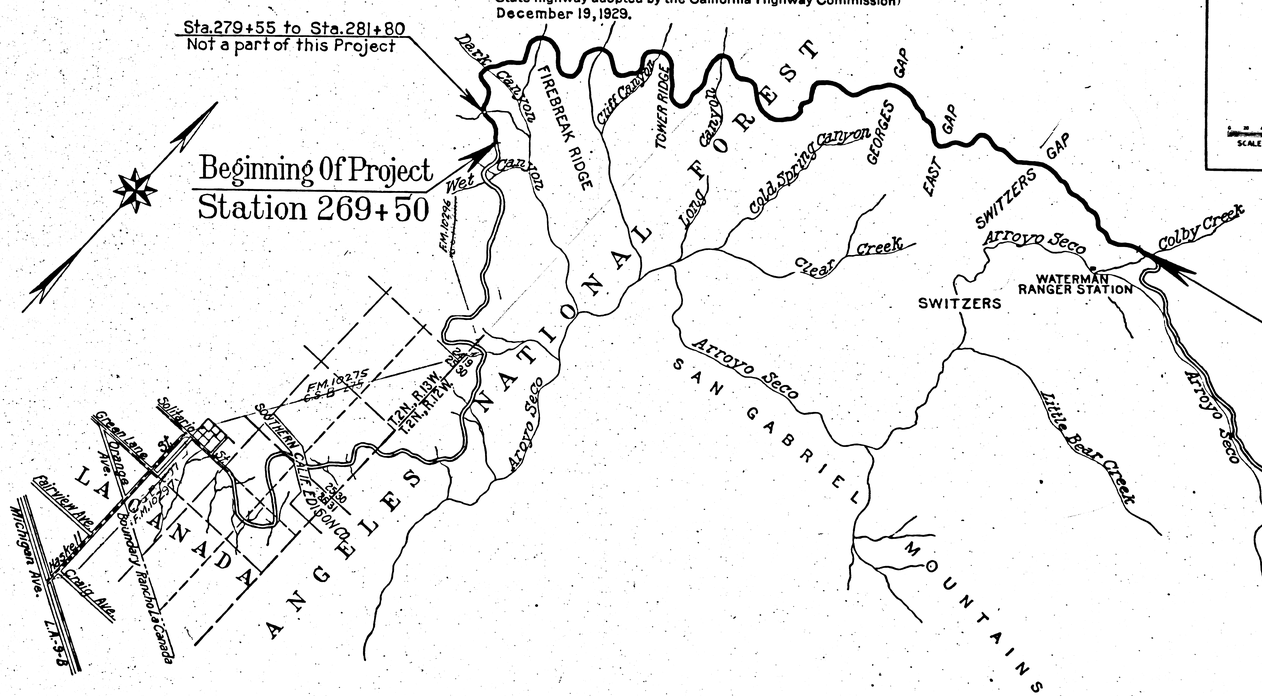
Sht-51
Sht-16

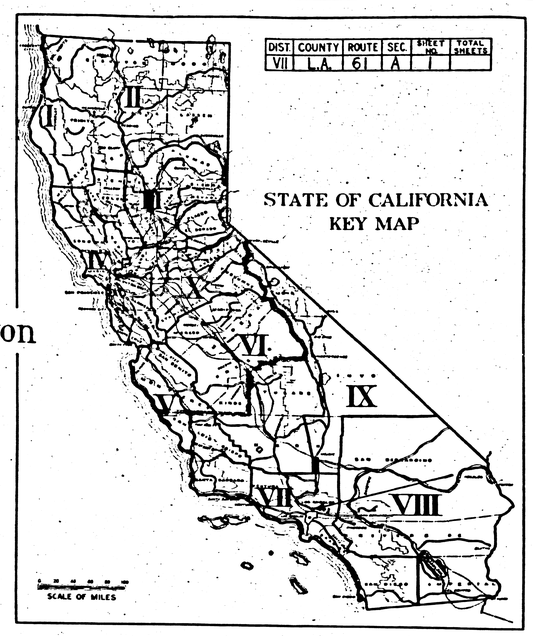
STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

PLAN AND PROFILE OF
STATE HIGHWAY
In Los Angeles County, Between 4 Miles North of La Canada and Colby Canyon

Scales {Plan: 1 In. = 100 Ft.
{Profile: Hor. 1 In. = 100 Ft. Vert. 1 In. = 20 Ft.

(being the detail plans of a portion of the route for the State highway adopted by the California Highway Commission) December 19, 1929.





CONVENTIONAL SIGNS

County Line	Culverts
City or Town Limits	Drop Inlet
Township Line / Section Line / Grant Line (Note whether Township, Section or Grant Line) — Township	Trolley Pole
Fence or Guard Rail	Power Pole
Unfenced Property	Power Tower
Right of Way Line	Telephone or Telegraph Pole
Base or Survey Line	Marsh
Traveled Way	Ledge
Railway Tracks	Hedge
Bank or Retaining Wall	
Balance Wall	
Levee	

SCALE OF FEET 0 1000 2000 4000 6000 8000 10000

Net Length of Project = 26,857 feet = 5.09 Miles

Exceptions
Station 279+55 to Station 281+80 = 225 ft.

Approved _____ 19
D. W. Carleton
District Engineer

State Highway Engineer

Director of Public Works

T.F.M. 2-10-31

F.M. 10563
A1 OF A22

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
2	CAL.				

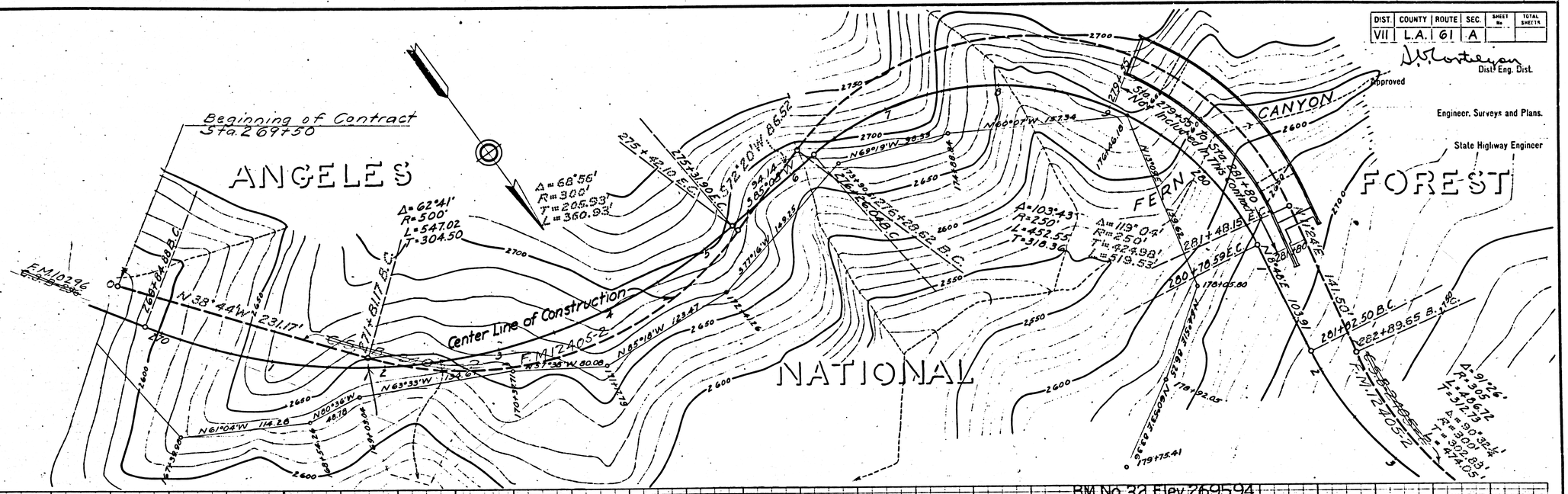
DIST.	COUNTY	ROUTE	SEC.	SHEET No.	TOTAL SHEETS
VII	L.A.	61	A		

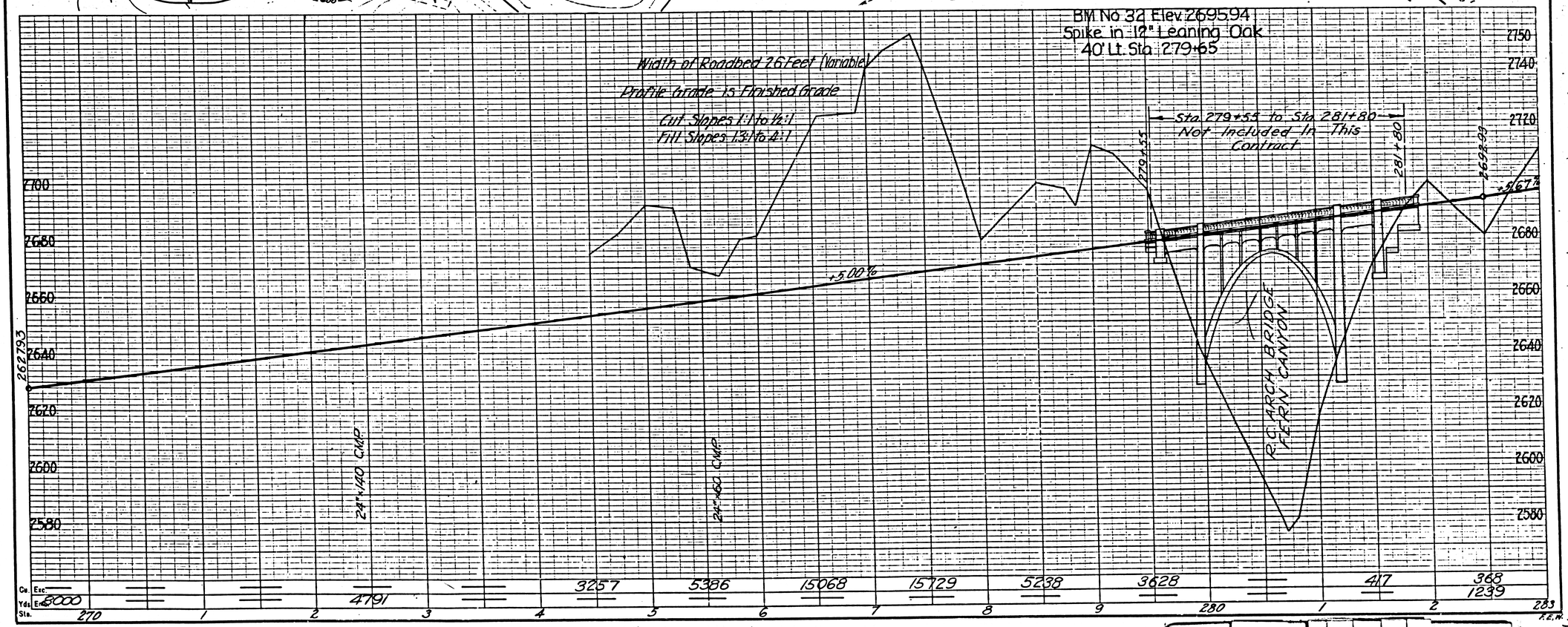
D.W. Lorteryan
Dist. Eng. Dist.

Approved

Engineer, Surveys and Plans.

State Highway Engineer





F.M.	10563
A2	OF A22

FED ROAD DIST No.	STATE	FED AID PROJ No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
2	CAL.				

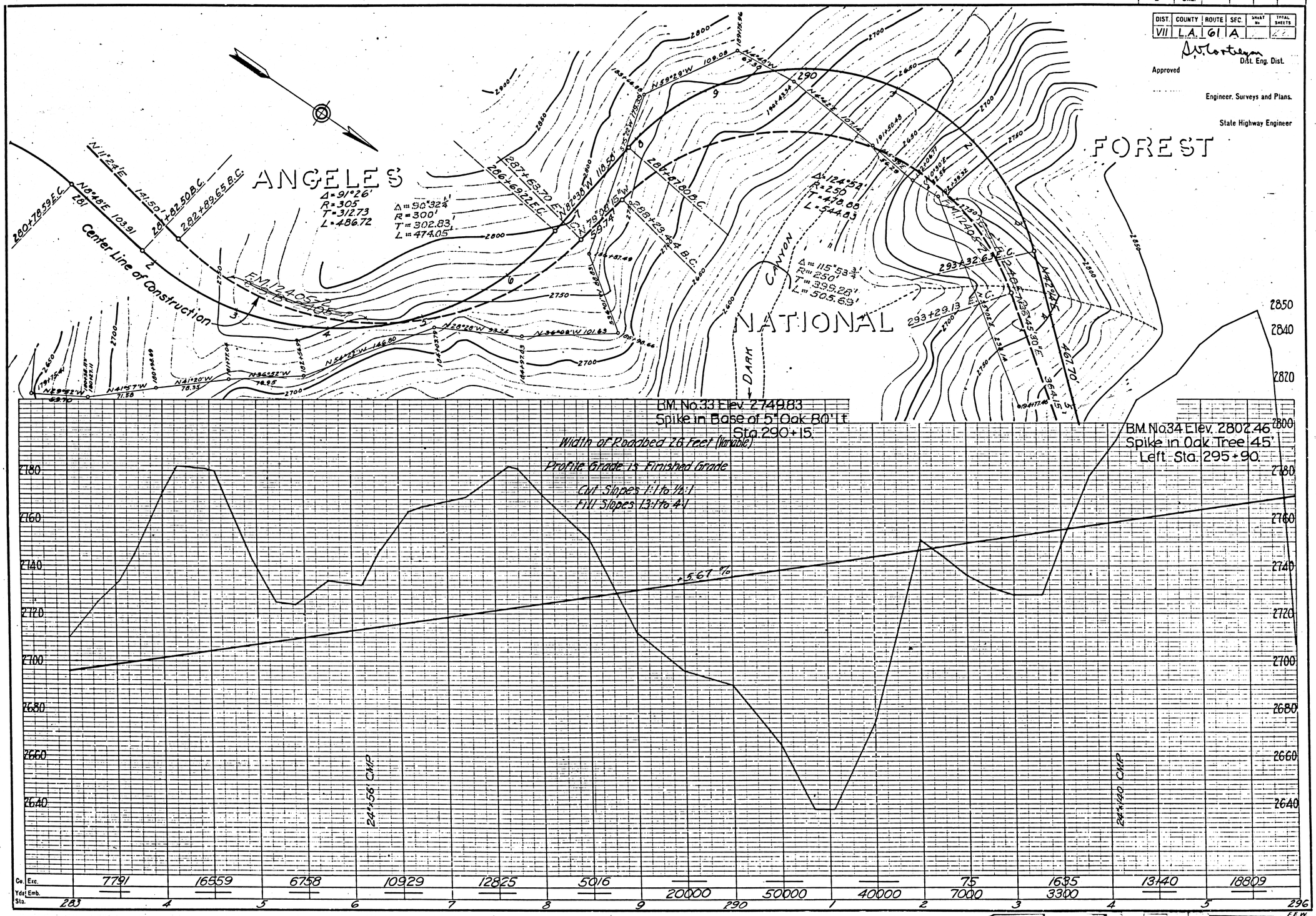
DIST.	COUNTY	ROUTE	SEC.	SHEET	TOTAL SHEETS
VII	L.A.	61	A		

D.W. Lantzer
Dist. Eng. Dist.

Approved

Engineer, Surveys and Plans.

State Highway Engineer



Cu. Yds. Exc.	7791	16559	6758	10929	12825	5016				75	1635	13140	18809	
Cu. Yds. Emb.							20000	50000	40000	7000	3300			
Sta.	283	4	5	6	7	8	9	290	1	2	3	4	5	296

F.E.M.

F.M.	10563
A3	OF A22

FED ROAD DIST No.	STATE	FED AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
2	CAL.				

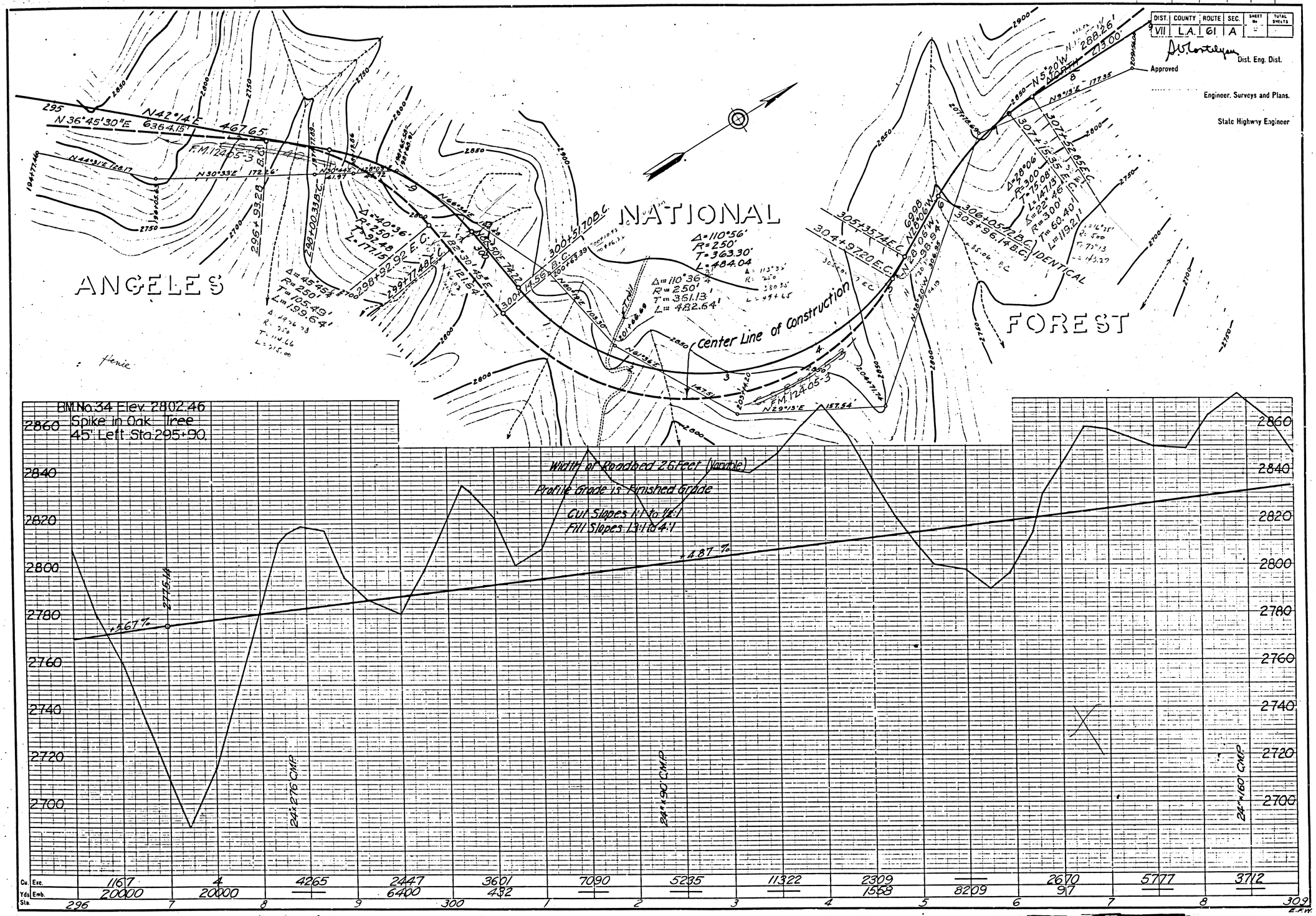
DIST.	COUNTY	ROUTE	SEC.	SHEET No.	TOTAL SHEETS
VII	L.A.	61	A		

A. V. Montelyon
Dist. Eng. Dist.

Approved

Engineer, Surveys and Plans.

State Highway Engineer



F.M. 10563

A4 OF A22

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
2	CAL.				

DIST.	COUNTY	ROUTE	SEC.	SHEET No.	TOTAL SHEETS
VII	L.A.	61	A		

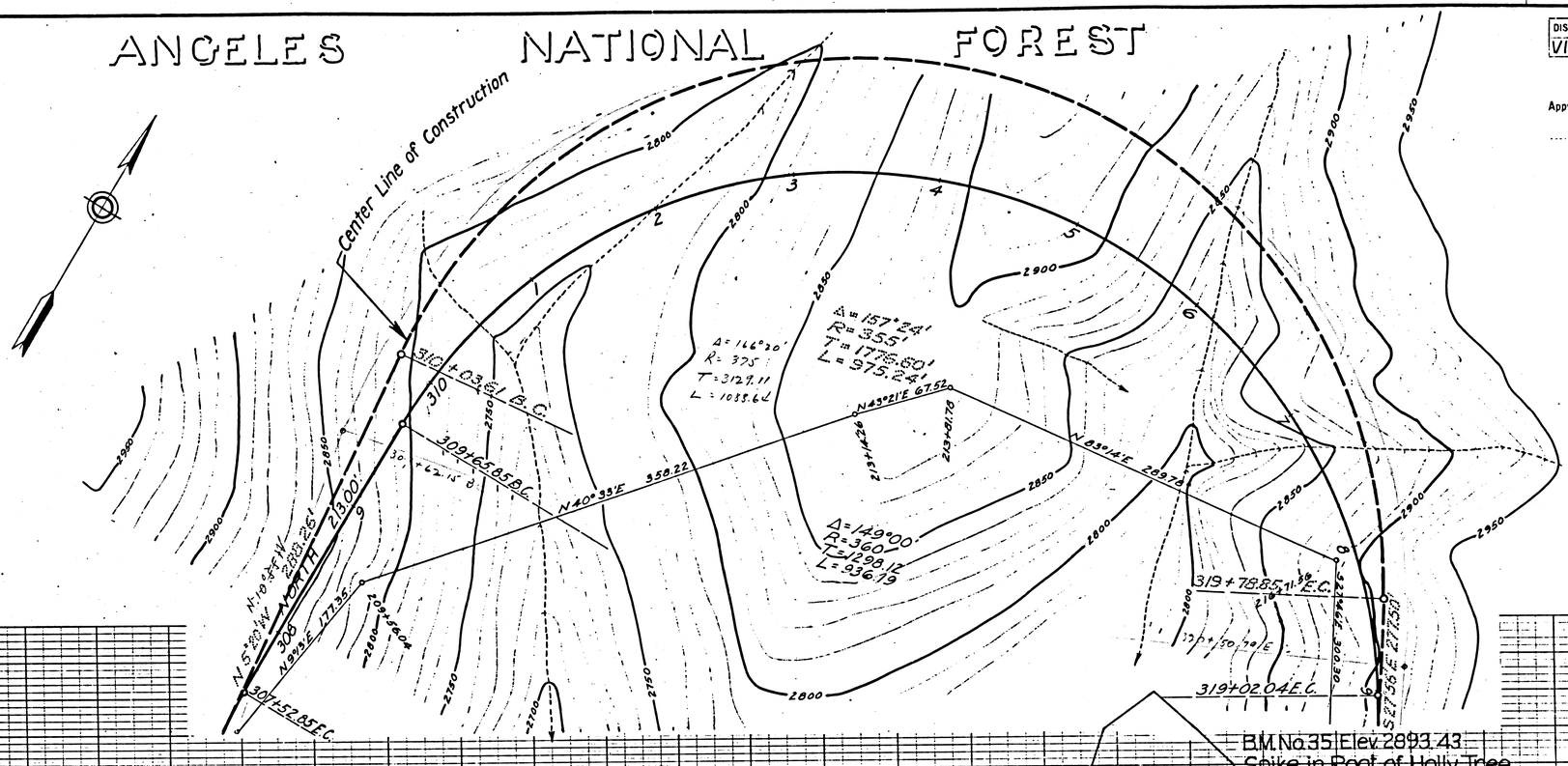
D. W. Castelyon
Dist. Eng. Dist.

Approved

Engineer, Surveys and Plans.

State Highway Engineer

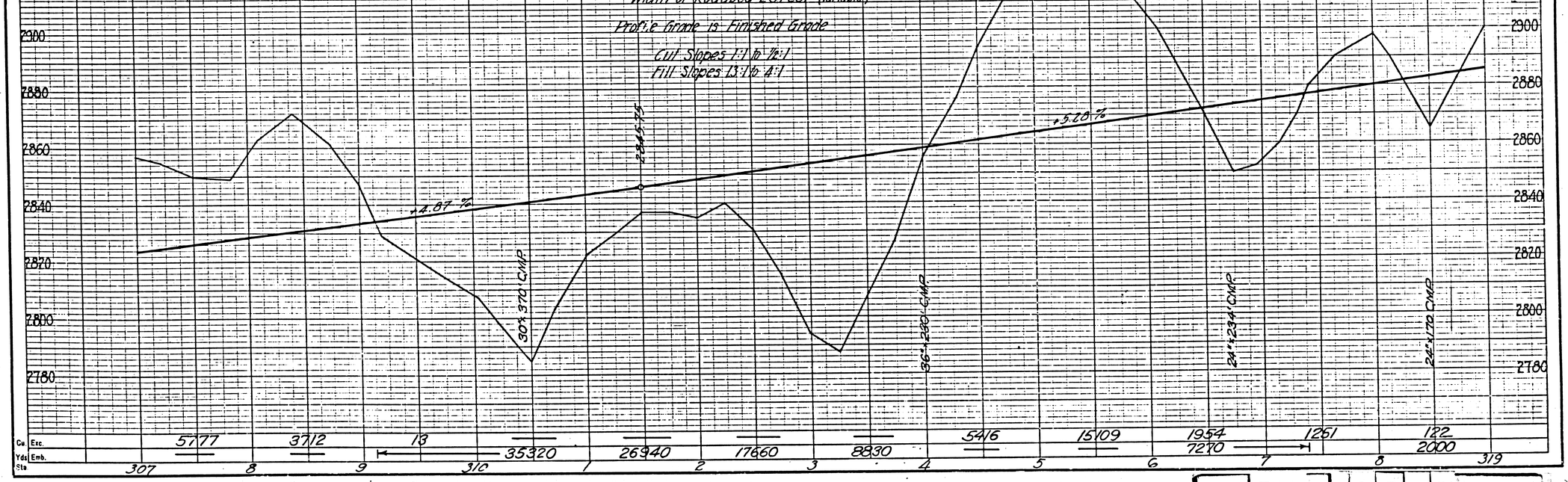
ANGELES NATIONAL FOREST



Width of Roadbed 26 Feet (Variable)

Profile Grade is Finished Grade

Cut Slopes 1:1 to ½:1
Fill Slopes 1½:1 to 4:1



Cu. Yds.	Exc.	5177	3712	13	35320	26940	17660	8830	5416	15109	1954	7270	1261	122	2000
	Emb.														
Sta		307	8	9	310	1	2	3	4	5	6	7		8	319

F.M.	10563
A5	OF A22

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
2	CAL.				

DIST.	COUNTY	ROUTE	SEC.	SHEET No.	TOTAL SHEETS
VII	L.A.	61	A.		

Approved D.S. Cortelyou Dist. Eng. Dist.

Engineer, Surveys and Plans.

State Highway Engineer

NATIONAL FOREST

ANGELES

EC. 319+02.04

S. 27°46' E. 300.30

S. 31°24' 35" E. 320.27

T. 90' E. 194.67'

S. 27°46' E. 277.50'

320+96.71 BC.

322+55.35 B.C.

+57.60 BC

Δ=143°17'
R=300'
T=904.03'
L=750.23'

Δ=152°00'
R=307'
T=1231.31'
L=814.44'

Ridge

Road

Firebreak

N. 54°16' E. 274.36

S. 06°48' E. 135.69'

N. 88°01' E. 151.06'

N. 3°43' E. 391.82'

N. 1°04' E. 315.35'

N. 12°14' W. 36.70'

N. 12°14' W. 308.30

330+70.79 E.C.

EC. 328+46.94

Center Line of Construction

Width of Roadbed 26 Feet (Variable)

Profile Grade is Finished Grade

Cut Slopes 1:1 to ½:1

Fill Slopes 1½:1 to 2:1

BM. No. 36 Elev. 3015.14
Spike in Telephone Post
90' Left Sta. 326+30

+5.28%

24+50 CMP

24+90 CMP

Cu. Exc.		2790	4564	6248	8854	12827	28407	29537	17292	729	116	3057	9398	7076	
Yds. Emb.											36700				
Sta.	319	320	1	2	3	4	5	6	7	8	9	330	1	332	

H.R.H.

F.M. 10563

A6 OF A22

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2	CAL.				

DIST.	COUNTY	ROUTE	SEC.	SHEET NO.	TOTAL SHEETS
VII	L.A.	61	A		

ANGELES NATIONAL FOREST

Approved

Dist. Eng. Dist.

Engineer, Surveys and Plans.

State Highway Engineer

Center Line of Construction

Δ=14°40'
R=300
T=467.90'
L=600.39'

Δ=115°07'
R=300'
T=471.97'
L=602.75'

Δ=12°10'
R=300'
T=532.05'
L=634.13

Δ=93°44'
R=250'
T=266.85'
L=408.99'

Δ=39°50'
R=300'
T=556.97'
L=522.73'

332+38.76 B.C.

333+89.64 B.C.

BM No.38 Elev. 3038.46.
Spike in Root of Oak 5' Right Sta. 339+82.

BM No.37 Elev. 2966.96
Spike in 4" Manzanita Stump 13" Left Sta. 337+05.

Width of Roadbed 26 Feet (Variable)

Profile Grade is Finished Grade

Cut Slopes 1:1 to ½:1

Fill Slopes 1.3 :1 to 4 :1

+5.28%

+5.28%

24"x82' CMP Sta 339+17

24"x46' CMP

| | | | |

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
2	CAL.				

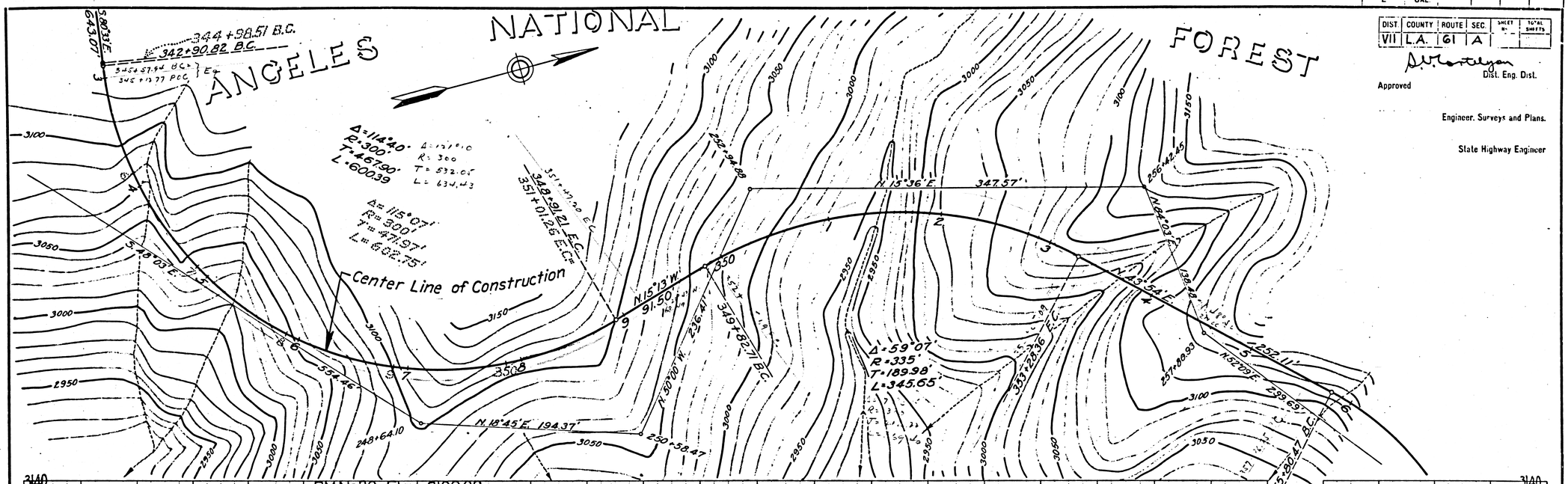
DIST.	COUNTY	ROUTE	SEC.	SHEET No.	TOTAL SHEETS
VII	L.A.	61	A		

D. W. Morgan
Dist. Eng. Dist.

Approved

Engineer, Surveys and Plans.

State Highway Engineer



F.M.	10563
A8	OF A22

FED. ROAD DIST. NO.	STATE	FED. AID P.O. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2	CAL				

DIST	COUNTY	ROUTE	SEC	SHEET NO.	TOTAL SHEETS
VII	L.A.	61	A		

D.W. Montalyan
Dist. Eng. Dist.

Approved
Δ = 14° 16' 27"
R = 300
T = 1056.76
L = 776.36

Engineer, Surveys and Plans.

State Highway Engineer

INDEX 51

INDEX 16

S 55° 34' E 180.74'

S 46° 21' E 157.96'

S 60° 57' E 138.80'

S 78° 40' E 610.9'

S 29° 52' E

S 30° 42' E 906.24'

Center Line of Construction

298.29'

N 32° 08' E 299.69'

N 43° 54' E 232.11'

355+80.47 B.C.

357+96.75 B.C.

359+72.09 E.C.

361+30.04 B.C.

364+03.18 E.C.

369+20.38 B.C.

Δ = 15° 39'
R = 1000'
T = 137.43'
L = 273.14'

Δ = 23° 44' 24"
R = 1000
T = 210.75
L = 414.46

Δ = 89° 45'
R = 250'
T = 248.91'
L = 391.61'

Δ = 24° 47' 39"
R = 300
L = 144.94'

Solid Rock

To So. Calif. Edison Co. Power Line

ANGELES NATIONAL FOREST

BM No. 40 Elev. 3153.31
Spike in Base of Manzanita
3' Right Sta. 358+20.

Width of Roadbed 26 Feet (Variable)

Profile Grade is Finished Grade

Cut Slopes 1:1 to ½:1
Fill Slopes 1.3:1 to 4:1

3200
3180
3160
3140
3120
3100

+5.58 %

24"x60' CMP
22"x38' CMP
24"x144' CMP
24"x216' CMP

Cu. Exc.	5472		4489		5120		7918		4742		1204		658		850		5619		1808		14		9		942
Yds. Emb.					184				512		597		4790		2039				1484		10690		11245		2522
Sta.	356	7		8		9		360		1		2		3		4		5		6		7		8	369

F.M.	10563
A9	OF A22

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
2	CAL.	-			

DIST.	COUNTY	ROUTE	SEC.	SHEET No.	TOTAL SHEETS
VII	L.A.	61	A	9	22

Approved

Dist. Eng. Dist.

Engineer, Surveys and Plans.

State Highway Engineer

ANGELES NATIONAL FOREST

Δ = 148°16'27"
R = 300
T = 1055.76
L = 776.36

Δ = 139°01'
R = 250'
T = 668.95'
L = 606.57'

Δ = 36°33'27"
R = 1000'
T = 255.99'
L = 1062.49'

Δ = 18°59'
R = 1000'
T = 167.19'
L = 331.32'

369+01.39 P.C.

379+64.78 P.C.

363+16.10 E.C.

375+07.95 E.C.

Center Line of Construction

N.10°17'E. 476.83'

N.8°59'E. 264.95'

N.5°38'E. 110.80'

N.21°16'E. 164.23'

N.39°39'E. 300.71'

N.68°42'E. 145.25'

N.7°16'W. 296.95'

N.10°07'E.

S.69°04'E. 349.86'

S.29°25'E. 325.89'

274+33.49

275+79.85

276+53.44

279+53.65

281+18.09

282+28.88

284+38.69

227+90.79

3350 3300 3250 3200 3150 3100 3230

BM No.41 Elev. 3234.42
Spike in Manzanita
50' Right Sta. 371+70

Width of Roadbed 26 Feet (Variable)
Profile Grade is Finished Grade
Cut Slopes 1:1 to ½:1
Fill Slopes 1.5:1 to 4:1

3760 3740 3720 3700 3680 3660 3640 3620 3600 3580 3560 3540 3520 3500 3480 3460 3440 3420 3400 3380 3360 3340 3320 3300 3280 3260 3240 3220 3200 3180 3160

24"x110 CMP
24"x64 CMP
24"x70 CMP
24"x88 CMP

-5.58 %

Cu. Yds. Exc.	8813	15893	1293	656	2410	5434	10498	4456	752	6555	4750	3180	5016		
Emb.			4380	6925	2760				474		706	1411			
Sta.	370	1	2	3	4	5	6	7	8	9	380	1	2	383	

ERS

F.M. 10563

A10 OF A22

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
2	CAL.				

DIST.	COUNTY	ROUTE	SEC.	SHEET No.	TOTAL SHEETS
VII	L.A.	61	A	10	22

D.V. Cortelyou
Dist. Eng. Dist.

Approved .....

.....
Engineer, Surveys and Plans.

.....
State Highway Engineer

ANGELES NATIONAL FOREST

Center Line of Construction

293+92.73

N.60°28'E.

258.53'

296+51.26

S.63°42'E.

235.12'

298+86.38

N.2°10'W. 128.43'

329.59'

386+48.05 EC

Δ=26°33'22"
R=1170'
T=331.99'
L=651.49'

383+76.10 EC

N.8°42'W.

253.81'

385+68.91 EC

N.8°42'W.

N.3°54'W. 151.92'

289+42.77

N.7°16'W. 296.58'

297+92.79

Δ=118°47'
R=300'
T=507.10'
L=621.95'

391+91.86 EC

394+38.1 RC

S.69°35'E.

S.9°25'E. 228.07'

301+14.45

Width of Roadbed 26 Feet (variable)
Profile Grade is Finished Grade
Cut Slopes 1:1 to 1½:1
Fill Slopes 1½:1 to 4:1

BM No 42 Elev. 3267.38
Nail in 3" Oak Stub
24' Left Sta. 387+70

+5.58 %

24"x.220 CMP

48"x.238 CMP

Cu. Yds. Exc.		5076	2628	2366	281	288	227	—	—	—	884	971	10222
Yds. Emb.	—	—	—	1671	6730	7880	9220	10850	32130	19820	3270	1143	—
Sta.	382	3	4	5	6	7	8	9	390	1	2	3	394

F.M. 10563

A11 OF A22

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
2	CAL.				

DIST.	COUNTY	ROUTE	SEC.	SHEET No.	TOTAL SHEETS
VII	L.A.	61	A	11	22

D. W. Moresby
Dist. Eng. Dist.

Approved

Engineer, Surveys and Plans.

State Highway Engineer

Δ = 70° 05'
R = 900
T = 159.37
L = 315.47

Δ = 69° 49'
R = 500
T = 328.92
L = 609.27

ANGELES NATIONAL FOREST

Center Line of Construction

S. 69° 55' E.

S. 56° 38' E.

S. 45° 14' E. 343.87'

S. 60° 35' E. 433.98'

N. 86° 12' E.

S. 36° 36' E. 1158'

S. 40° 21' E. 220.07'

S. 15° 28' E. 162.77'

Δ = 12° 57'
R = 1000'
T = 113.49'
L = 226.02'

Δ = 32° 10'
R = 1000
T = 286.37
L = 561.71

398+04.64 B.C.

400+30.66 E.C.

405+03.71 B.C.

BM No. 43 Elev. 3353.52
Nail in Manzanita
38' Left Sta. 397+30.

BM No. 44 Elev. 3401.40
Spike in Base Manzanita Stub
5' Right Sta. 404+20

Width of Roadbed 26 Feet (Variable)

Profile Grade is Finished Grade

Cut Slopes 1:1 to ½:1
Fill Slopes 1½:1 to 4:1

1.58%

PASSED CAMP

365+16.21 CAMP

Cu. Exc.	10822	22810	13224	2807	855			398	23		2288	4617	3320	
Yds. Emb.				2745	4999	43900	21055	6080	21285	18720	1372			
Sta.	393	4	5	6	7	8	9	400	1	2	3	4	5	406

E.R.S.

F.M. 10563

A12 OF A22

FED ROAD DIST. Nr.	STATE	FED AID PROJ. No	FISCAL YEAR	SHEET No	TOTAL SHEETS
2	CAL.				

DIST.	COUNTY	ROUTE	SEC.	SHEET No.	TOTAL SHEETS
VII	L.A.	61	A	12	22

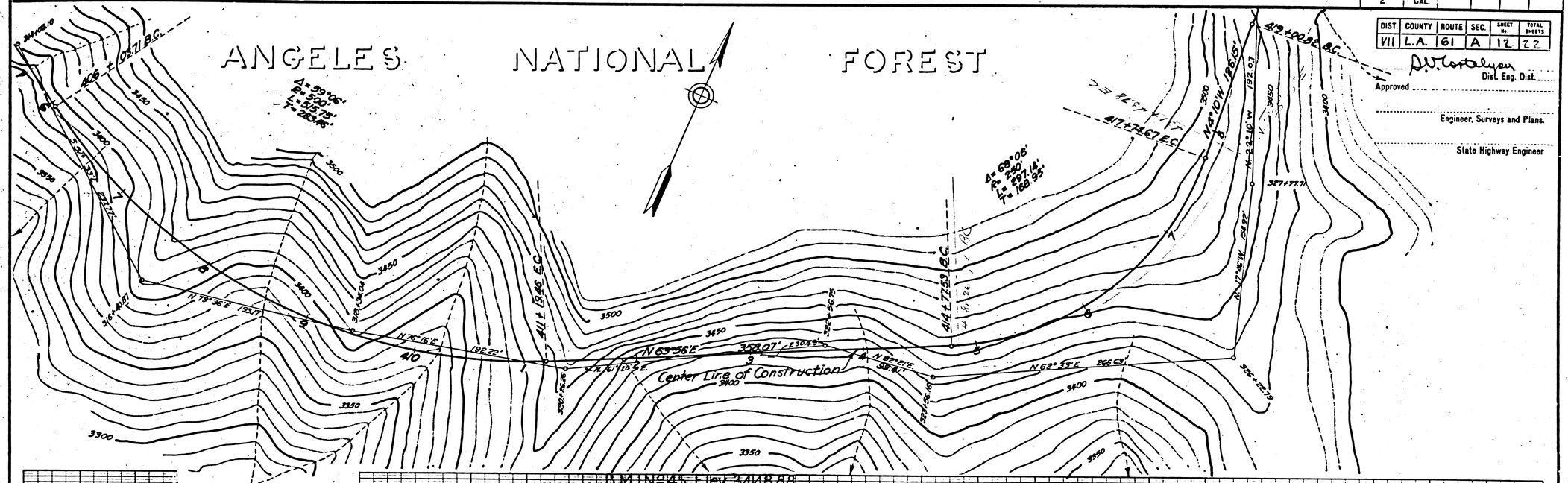
D.W. Costalupes
Dist. Eng. Dist.

Approved .....

Engineer, Surveys and Plans.

State Highway Engineer

ANGELES NATIONAL FOREST



Cu. Yds. Exc.	2576	7500	876	813	3335	13653	511	2150	4826	3995	7016	9058	5631	
Yds. Emb.	1850	—	8832	8715	946	—	37	37	—	—	—	—	12250	
Sta.	406	7	8	9	410	1	2	3	4	5	6	7	8	419

F.M. 10563

A13 OF A22

FED ROAD DIST No.	STATE	FED AID PROJ No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
2	CAL.				

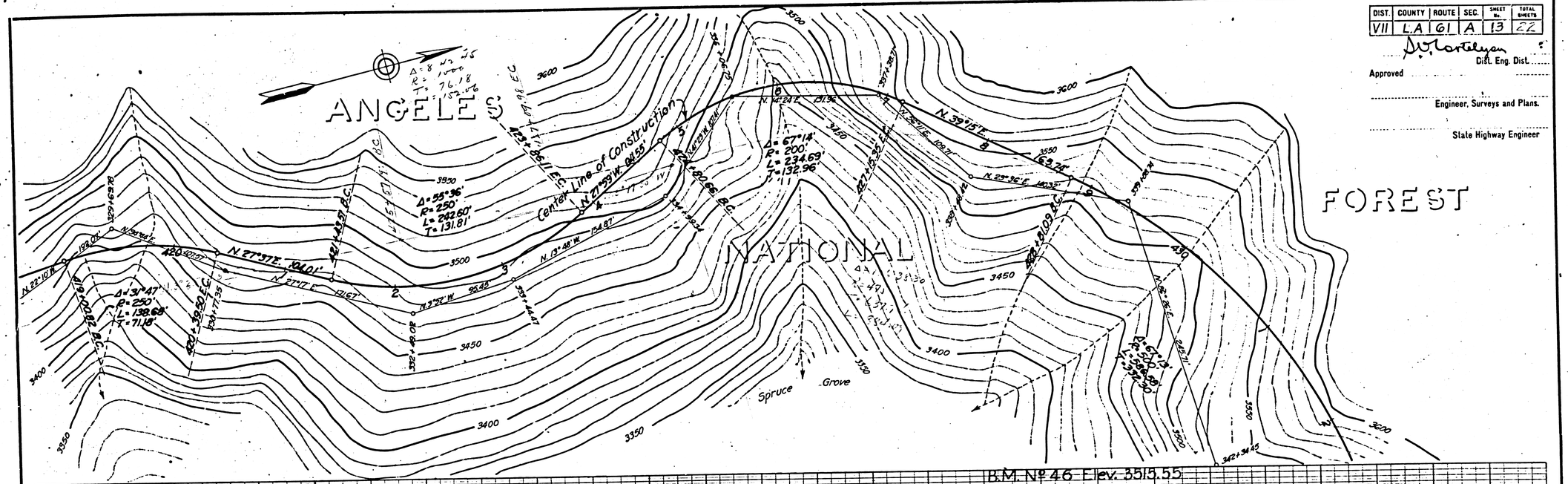
DIST.	COUNTY	ROUTE	SEC.	SHEET No.	TOTAL SHEETS
VII	L.A	61	A	13	22

D. V. Castelyan
Dist. Eng. Dist.

Approved

Engineer, Surveys and Plans.

State Highway Engineer



F.M.	10563
A14	OF A22

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2	CAL.				

DIST.	COUNTY	ROUTE	SEC	SHEET NO.	TOTAL SHEETS
VII	L.A.	61	A		

ANGELES NATIONAL FOREST

Approved

Dist. Eng. Dist.

Engineer, Surveys and Plans.

State Highway Engineer

Center Line of Construction

Δ=76°31'
R=300'
T=236.57'
L=400.64'

Δ=71°34'
R=300
T=215.57
L=373.85

Δ=67°13'
R=500'
T=392.30'
L=586.58'

Δ=21°34'
R=500'
T=95.23'
L=188.20'

Δ=19°52'
R=500'
T=87.07'
L=170.45'

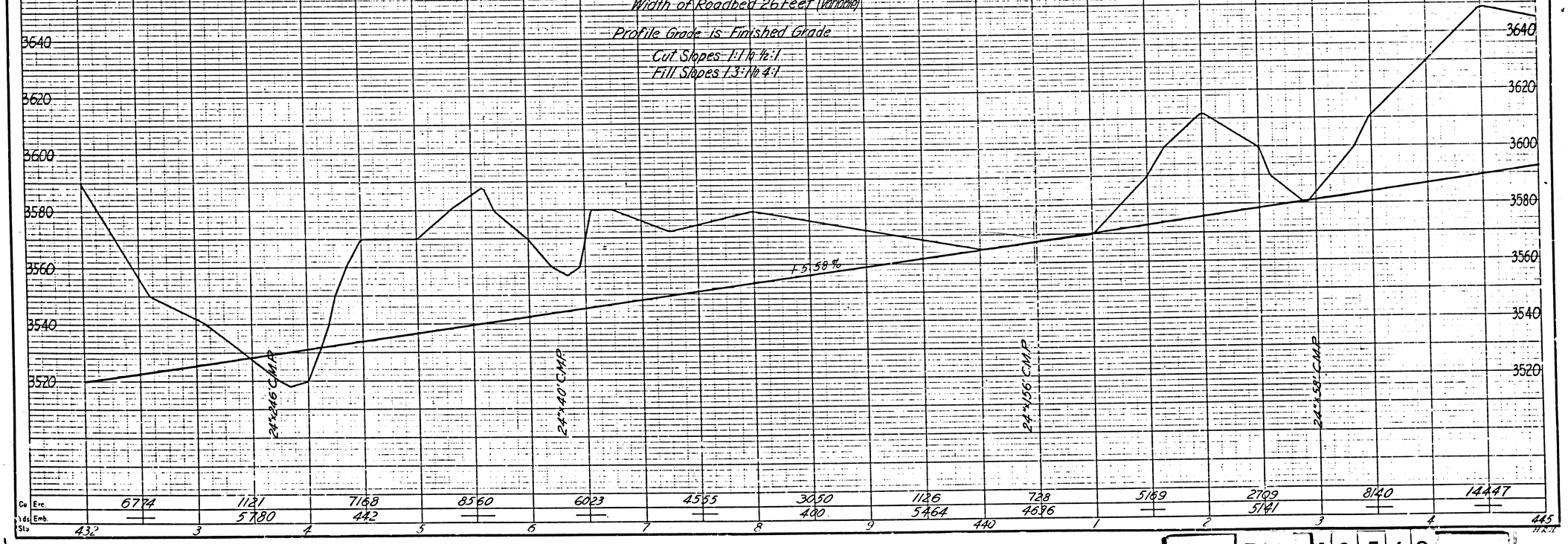
B.M. № P46 Elev. 3545.42
Knob on Rock
17' Right Sta. 439+60

Width of Roadbed 26 Feet (Variable)

Profile Grade is Finished Grade

Cut Slopes 1:1 to ½:1

Fill Slopes 1.3:1 to 4:1



Cu. Yds. Exc.	6774	1121	7168	8560	6023	4555	3050	1126	728	5169	2709	8140	14447		
Cu. Yds. Emb.		5780	442				400	5464	4696		5191				
Sta.	432	3	4	5	6	7	8	9	440	1	2	3	4	445	

F.M. 10563

A15 OF A22

FED ROAD DIST No.	STATE	FED AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
2	CAL.				

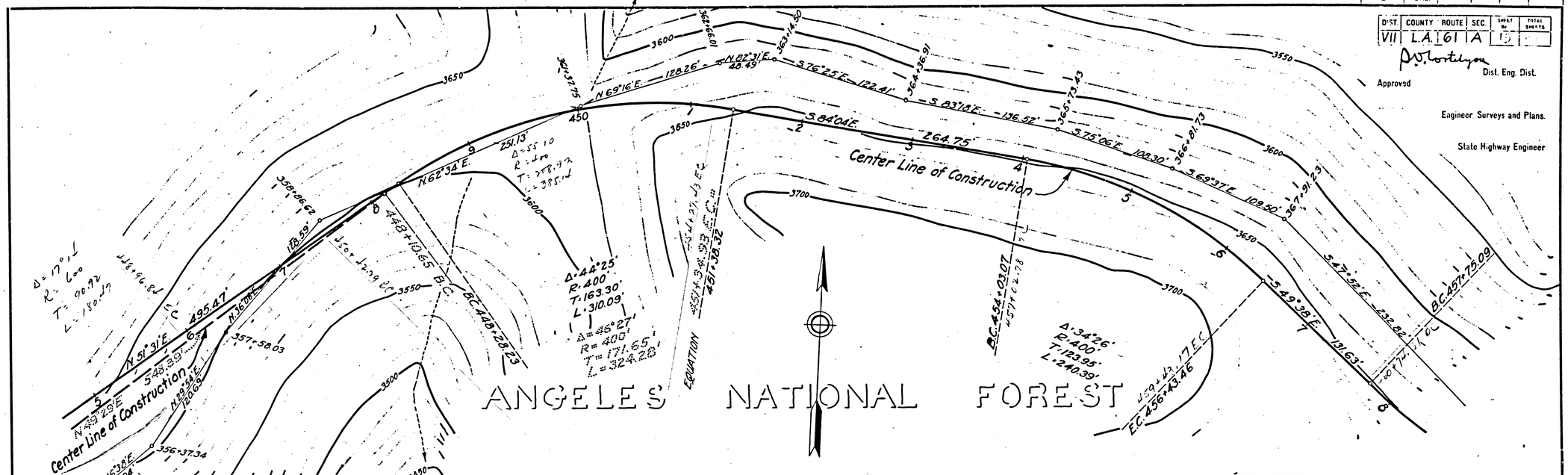
DIST.	COUNTY	ROUTE	SEC	SHEET No.	TOTAL SHEETS
VII	L.A.	61	A	15	

P.V. Wortelyou
Dist. Eng. Dist.

Approved

Engineer Surveys and Plans.

State Highway Engineer

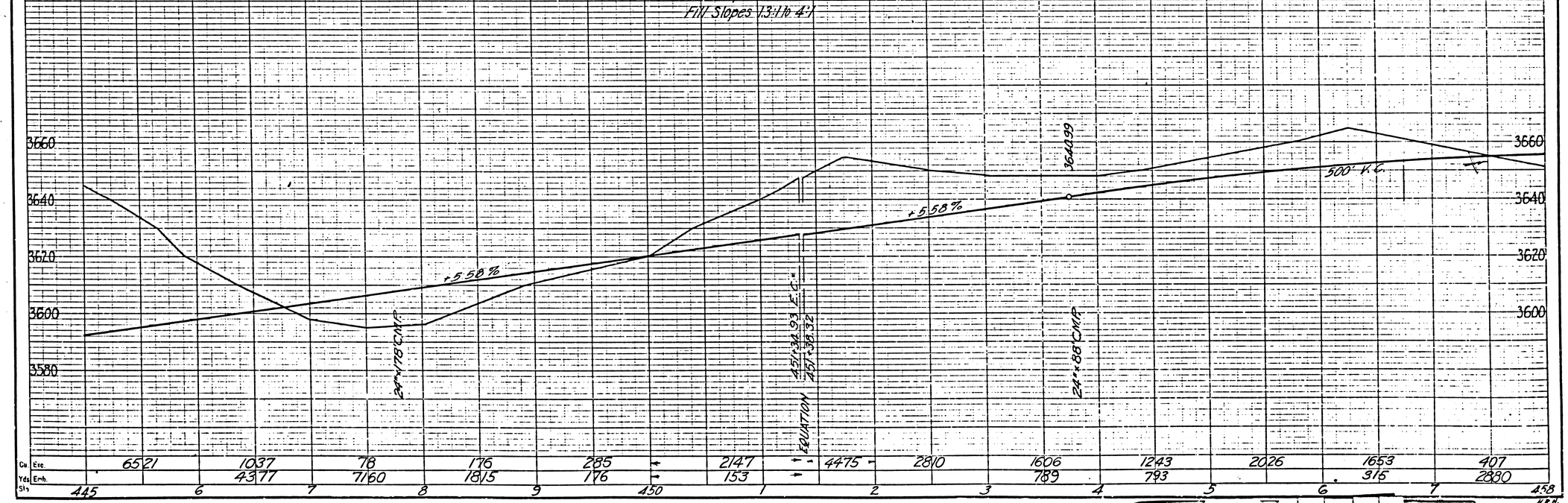


B.M. No. P47 Elev. 3620.99
Nail in 2×2 Hub
90' Left Sta 450+75.

Width of Roadbed 26 Feet (Varies)

Profile Grade is Finished Grade

Cut Slopes 1:1 to 1½:1
Fill Slopes 1½:1 to 4:1



F.M. 10563

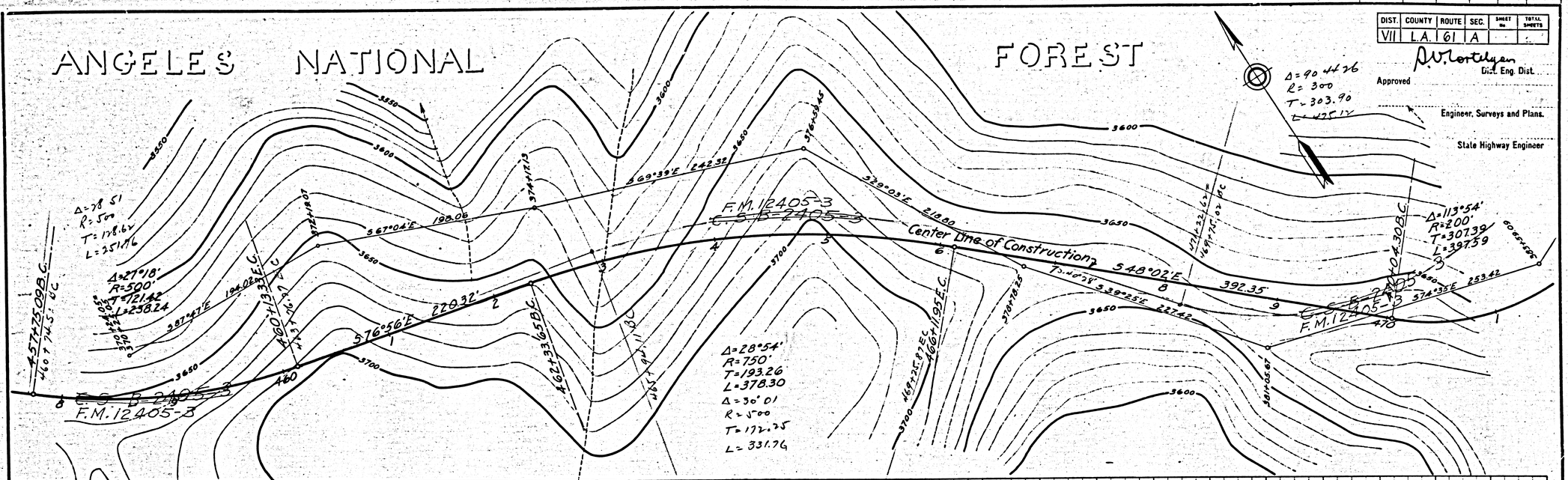
A 16 OF A 22

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
2	CAL.				

DIST.	COUNTY	ROUTE	SEC.	SHEET No.	TOTAL SHEETS
VII	L.A.	61	A		

ANGELES NATIONAL FOREST

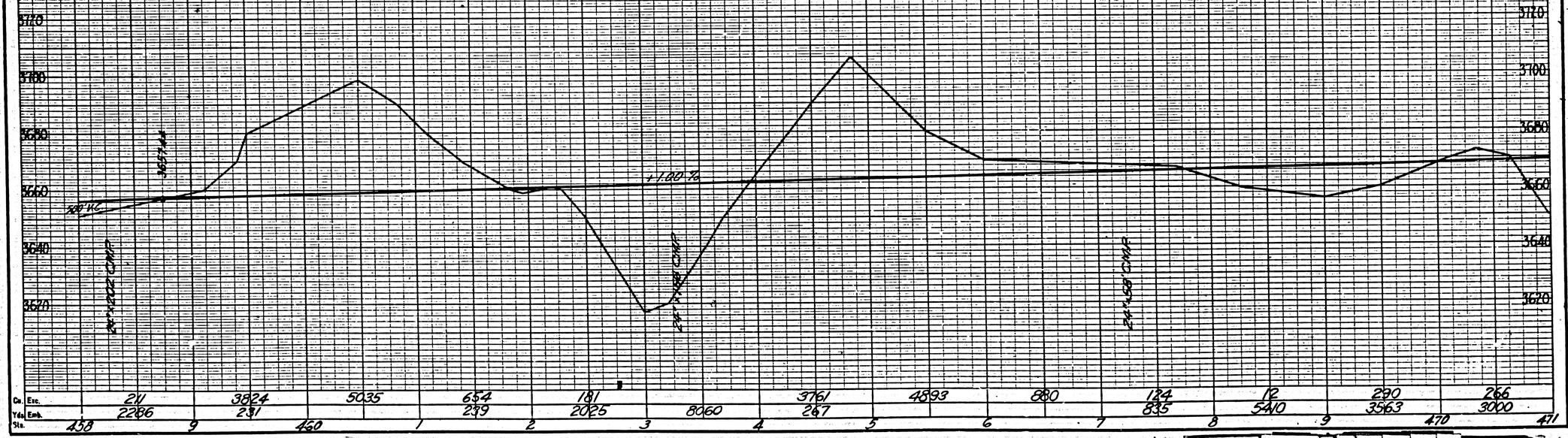
D.V. Cortelyou
Dist. Eng. Dist.
Approved
Engineer, Surveys and Plans.
State Highway Engineer



Width of Roadbed 26 Feet (Variable)

Profile Grade is Finished Grade

Cut Slopes 1:1 to 1½:1
Fill Slopes 1½:1 to 2:1



F.M. 10563

A17 OF A22

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2	CAL				

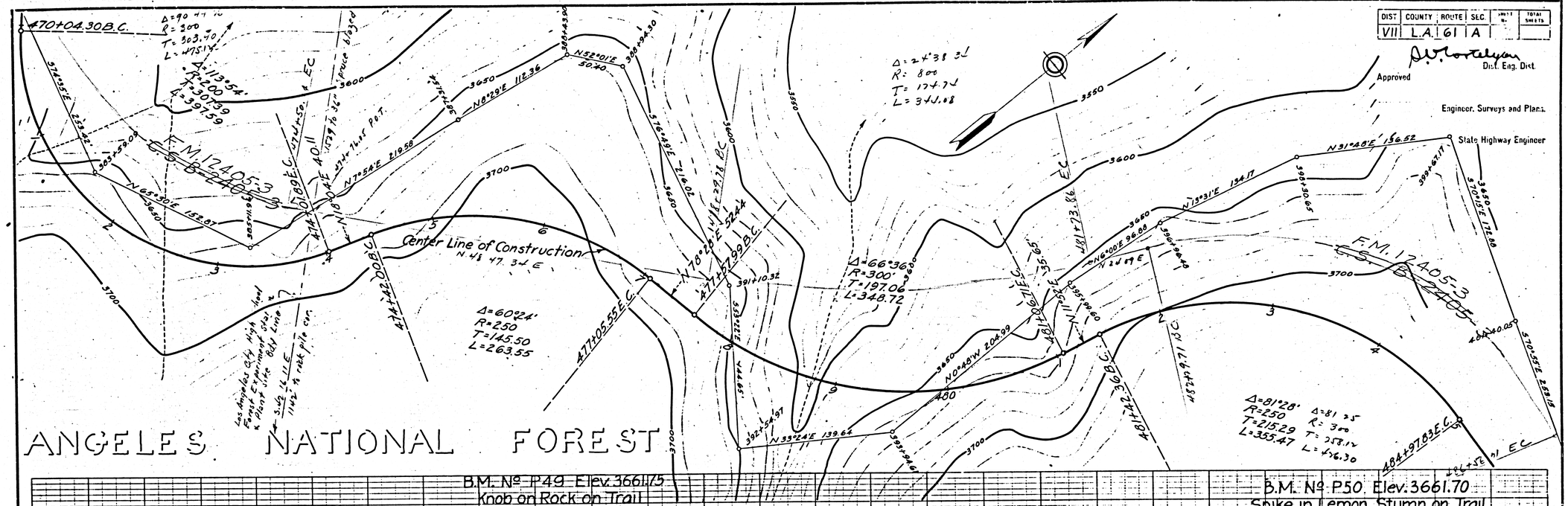
DIST	COUNTY	ROUTE	SEC	SHEET NO.	TOTAL SHEETS
VII	L.A.	61	A		

D.W. Mortensen
Dist. Eng. Dist.

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Engineer, Surveys and Plans.

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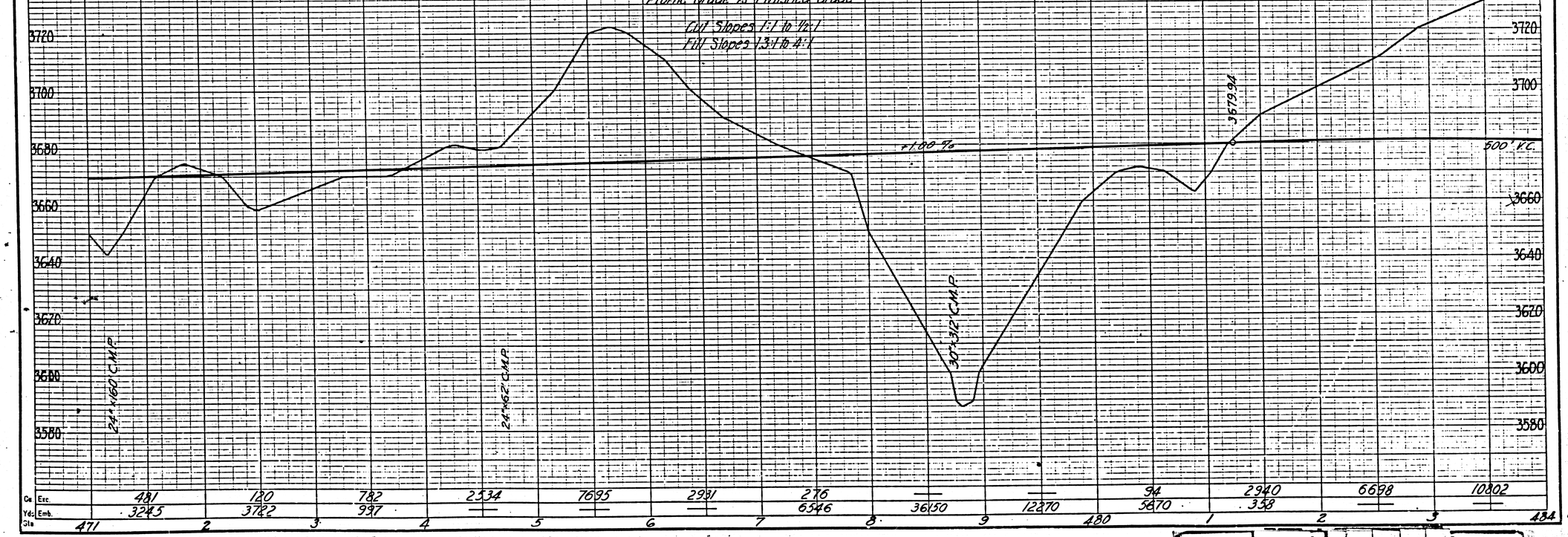
B.M. No. P49 Elev. 3661.75
Knob on Rock on Trail
118' Left of Sta. 475+60

B.M. No. P50 Elev. 3661.70
Spike in Lemon Stump on Trail
77' Left Sta. 482+35

Width of Roadbed 26 Feet (Variable)

Profile Grade is Finished Grade

Cut Slopes 1:1 to ½:1
Fill Slopes 1½:1 to 4:1



Cu. Exc.		481	120	782	2534	7695	2931	276	—	—	94	2940	6698	10802	
Yds. Emb.		3245	3722	997	—	—	—	6546	36150	12270	5870	338	—	—	
Sta.	471	2	3	4	5	6	7	8	9	480	1	2	3	484	15

	F.M.	1	0	5	6	3	
	A	18	OF	A	2	2	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	F.Y. ACC. YEAR	SHEET NO.	TOTAL SHEETS
2	CAL.				

DIST.	COUNTY	ROUTE	SEC.	SHEET NO.	TOTAL SHEETS
VII	L.A.	61	A	18	22

ANGELES NATIONAL FOREST

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Dist. Eng. Dist.

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Engineer, Surveys and Plans.

State Highway Engineer

Δ = 17°40
R = 1000
T = 155.10
L = 308.32

Δ = 27°33
R = 1000
T = 243.64
L = 477.93

Δ = 36°10'
R = 1000
T = 326.53
L = 631.23

S 70°18' E 172.86
401+40.05
FM 12405-3
E.S. 12405-3
S 70°33' E
283.15'
S 71° 36' E
417+42.18 P.C.
482+42.18 P.C.C.
403+59.30
406+29.84
490+49.84 E.C.
408+40.71
408+40.80
N 33°45' E
N.E. cm.
N.85° 13' E 265.84'
P.C.C. 411+06.55
S 79° 13' E
161.17
412+67.72
N.88° 39' E 220.32
N.88° 28' E 769.1
N.88° 51' E
236.64'
N 75° 42' E 133.96
Δ = 90°
Center Line of Construction
S 86° 40' E
747.18'
N 87° E
484+97.83 E.C.
484+97.83 P.C.C.
492+45.01 P.C.C.
492+45.01 E.C.
Δ = 81°27'
R = 300
T = 258.17
L = 426.50
81 280
280 279
279 355.41
Bdy. of Lacey Hi-Sch. Forest Exp. Sta. & planting
16"Ø Hard pile con.
3550
3600
3650
3700
3750
A
1
2
3
4
5
6
7
8

RM No. P51 Elev. 3651.85
Spike in Oak Stump on Trail
40' Left Sta. 489+50

Width of Roadbed 26 Feet (Variable)

Profile Grade is Finished Grade

Cut Slopes 1:1 to ½:1

Fill Slopes 1.3:1 to 4:1

3740
3720
3700
3680
3660
3640
3670

500' V.C.
-1.40%
367894
2+12.22 CMP
2+18.80 CMP

Cu. Exc.		5614		1289		195		16820		21770		1091		5092		1495		1997		6241		1348		3040		618
Yds. Emb.				1108		3960						2055				2349		2434				20				454
Sta.	484		5		6		7		8		9		490		1		2		3		4		5		6	497

I.F.E. 8-30

F.M.	10563
A19	OF A22

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2	CAL.				

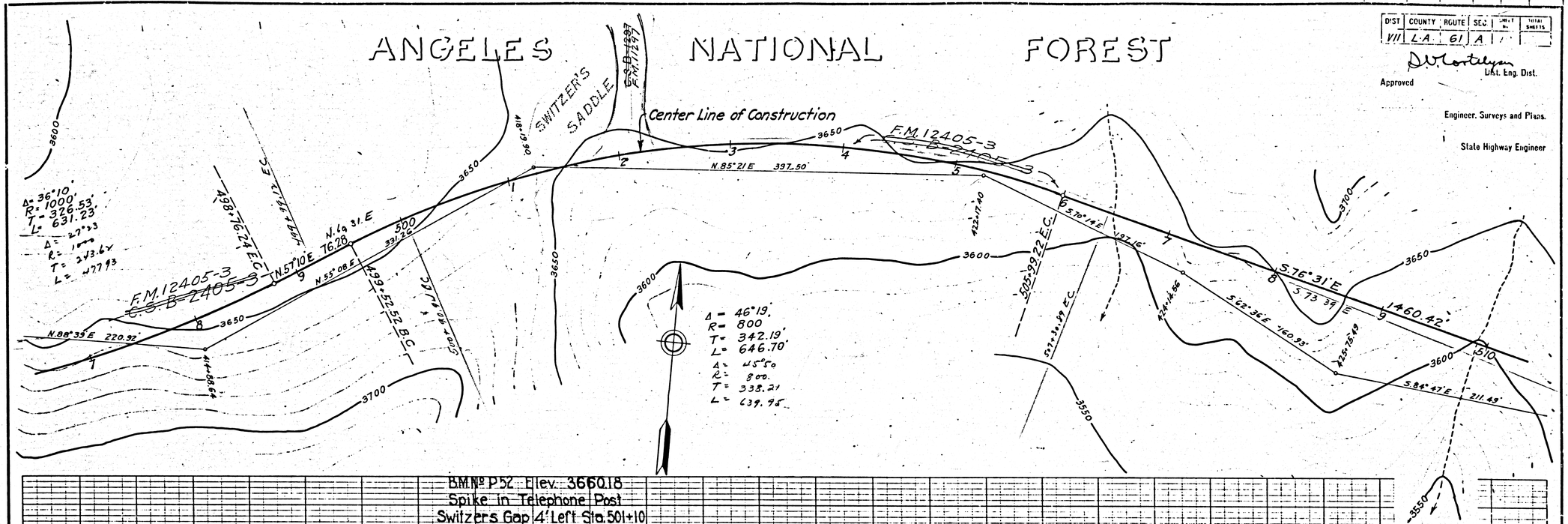
DIST	COUNTY	RGUTE	SEC	SHEET NO.	TOTAL SHEETS
VII	L.A.	61	A		

ANGELES NATIONAL FOREST

D.W. Cortelyou
Dist. Eng. Dist.
Approved

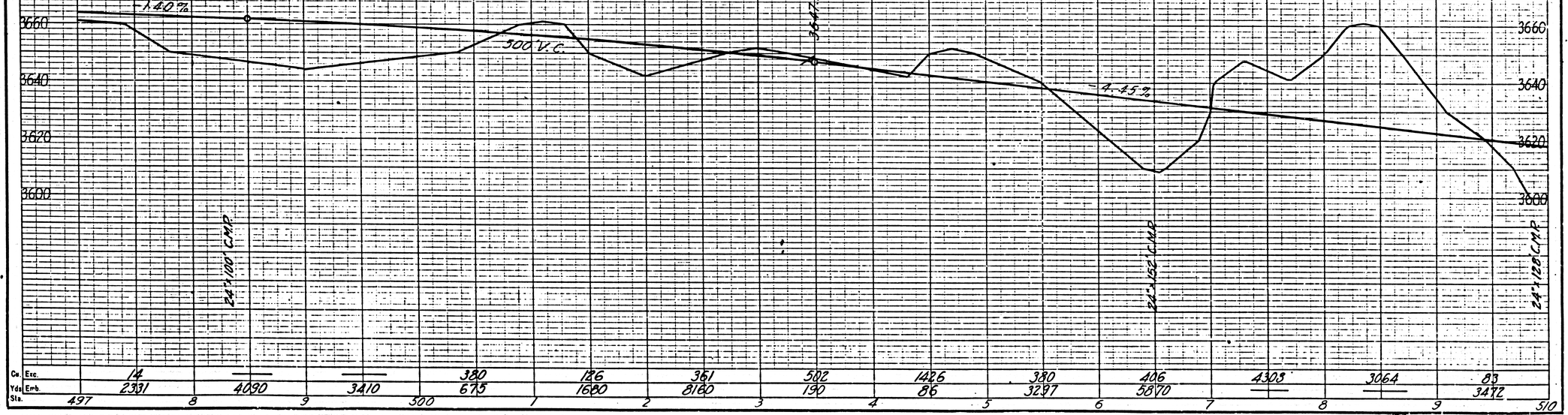
Engineer, Surveys and Plans.

State Highway Engineer



BM № P52 Elev. 3660.18
Spike in Telephone Post
Switzers Gap 4' Left Sta. 501+10

Width of Roadbed 26 Feet (Variable)
Profile Grade is Finished Grade
Cut Slopes 1:1 to ½:1
Fill Slopes 1.3:1 to 4:1



Cu. Yds.	Exc.	14			380	126	361	582	1426	380	406	4303	3064	83	
	Emb.	2331	4090	3410	675	1680	8180	190	86	3297	5870			3472	
Sta.		497	8	9	300	1	2	3	4	5	6	7	8	9	510

J.F.E. 8-30

F.M.	10563
A20	OF A22

P.E. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2	CAL.				

DIST.	COUNTY	ROUTE	SEC.	SHEET NO.	TOTAL SHEETS
VII	L.A.	61	A		

D. V. Cortelyou
Dist. Eng. Dist.

Approved

Engineer, Surveys and Plans.

State Highway Engineer

ANGELES NATIONAL FOREST

Δ= 5°07
R= 2000
T= 178.60
L= 89.38

511+59.34 BC

513+38.34 EC

S.76°31'E 1460.42

Center Line of Construction

F.M.12405-3

S.84°47'E 211.49

427+86.98

S.42°11'E 180.66

429+17.64

N.85°52'E 120.03

430+37.67

N.85°20'E 74.92

431+12.69

S.70°40'E 233.36

433+47.94

S.67°48'E 201.34

435+42.26

N.68°33'E 176.33

438+00.22

S.56°31'E 170.59

520+59.64 BC

531+26.27

SEEPAGE AREA SPRING

439+10.78

A= 15°59'
R= 1000'
T= 140.39
L= 278.96

441+71.89

101.11

524+24.63 EC
523+38.60 E.C.

S.67°16'E 138.71'

Δ= 18°27'
R= 1000
T= 161.96
L= 321.14

(Not Used) Iron Pipe

B.M. No. P53 Elev. 3614.67
Nail in Marker
25' Right Sta. 510+68

B.M. No. P54 Elev. 3567.95
Spike in Sycamore Tree
20' Left Sta. 522+60

Width of Roadbed 26 Feet (Variable)

Profile Grade is Finished Grade

Cut Slopes 1:1 to ½:1

Fill Slopes 1.3:1 to 4:1

-4.45%

24"STL.CMP.

24"x18" CMP.

	Sta.	510	1	2	3	4	5	6	7	8	9	520	1	2	523
Cu. Exc.		2646	7215	10,194	2470	—	—	2131	6631	5800	1397	1448	6	374	
Yds. Emb.		—	—	—	587	12,310	13,350	1433	—	52	2411	4355	11,540	2639	

J.F.E. 8-30

F.M. 10563

A 21 OF A 22

DIST	COUNTY	ROUTE	SEC	SHEET No.	TOTAL SHEETS
VII	L.A.	61	A	21	

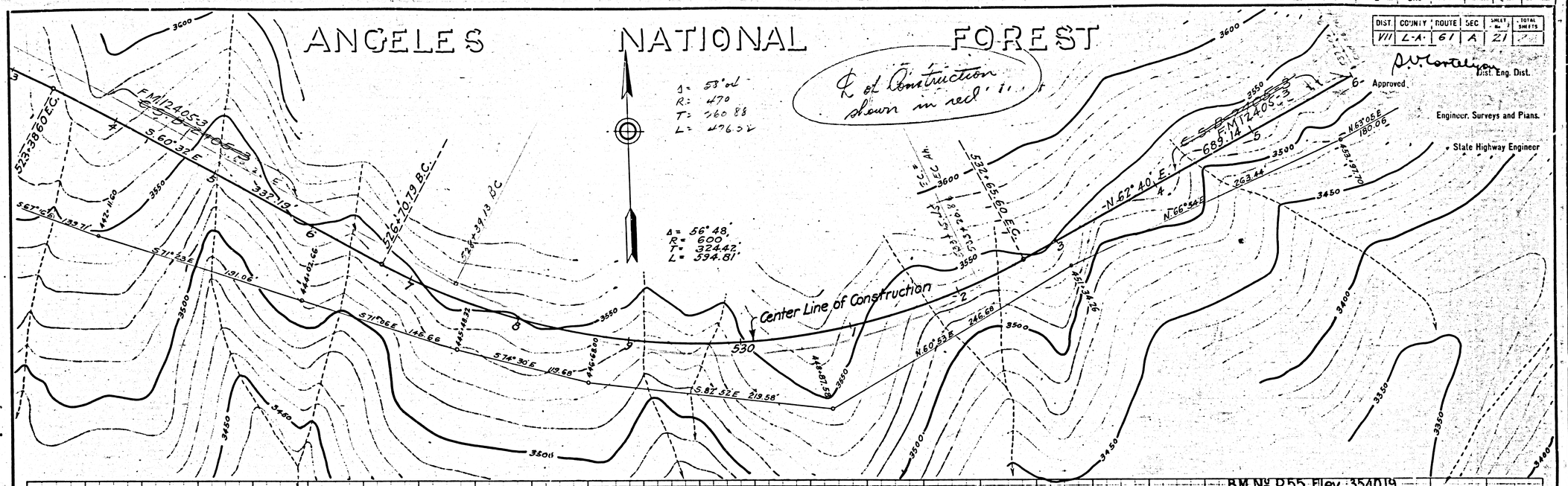
ANGELES NATIONAL FOREST

P. V. Costalupes
Dist. Eng. Dist.

Approved

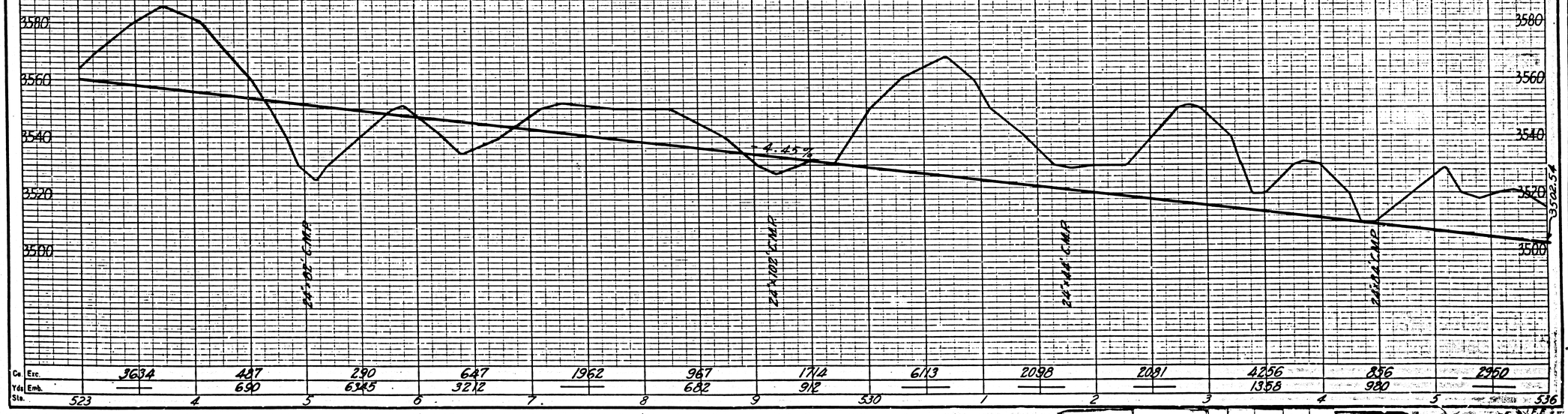
Engineer, Surveys and Plans.

State Highway Engineer



B.M. № P 55 Elev. 3540.19
Knob on Boulder
19' Left Sta. 533+90

Width of Roadbed 26 Feet (Variable)
Profile Grade is Finished Grade
Cut Slopes 1:1 to 1½:1
Fill Slopes 1½:1 to 4:1



F.M. 10563

A22 OF A22