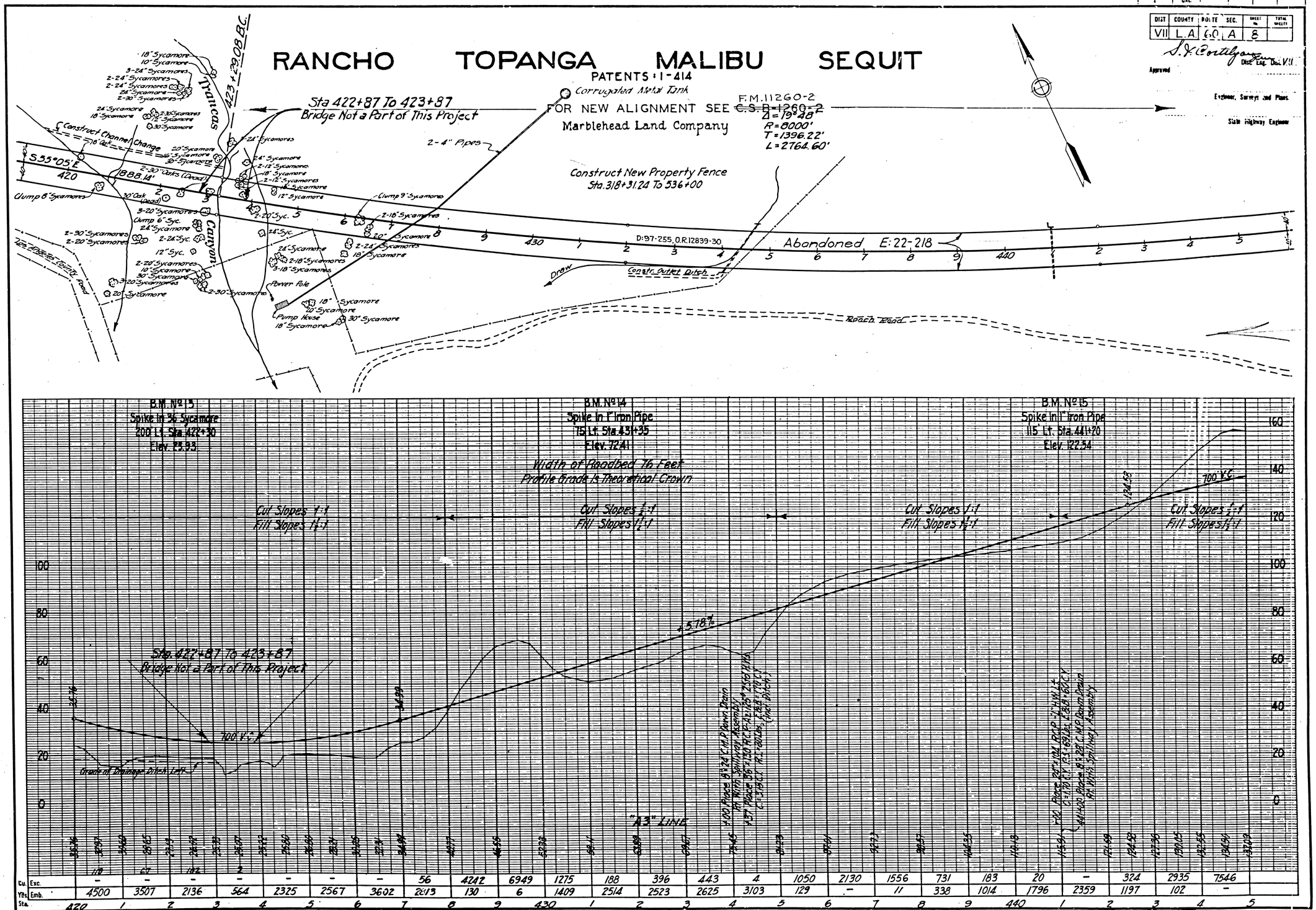
DIST	COUNTY	ROUTE	SEC.	SHEET No.	TOTAL SHEETS
VII	L.A.	60	A	8	

S. J. Cortelyou
Dist. Eng. Dist. VII
Approved

Engineer, Surveys and Plans
State Highway Engineer

Continued on Sheet No. 1



Sta.	420	1	2	3	4	5	6	7	8	9	430	1	2	3	4	5	6	7	8	9	440	1	2	3	4	5
Cu. Exc.	118	67	182	2																						
Yds. Emb.	-	-	-	-	-	-	-	56	4242	6949	1275	188	396	443	4	1050	2130	1556	731	183	20	-	324	2935	7546	
Sta.	4500	3507	2136	564	2325	2567	3602	2813	130	6	1409	2514	2523	2625	3103	129	-	11	338	1014	1796	2359	1197	102	-	

F.M. 10588-2

A1 OF A13

DIST. No.	STATE	PROJ. No.	YEAR	No.	SHEETS
2	CAL.				

DIST.	COUNTY	ROUTE	SEC.	SHEET No.	TOTAL SHEETS
VII	L.A.	60	A	9	

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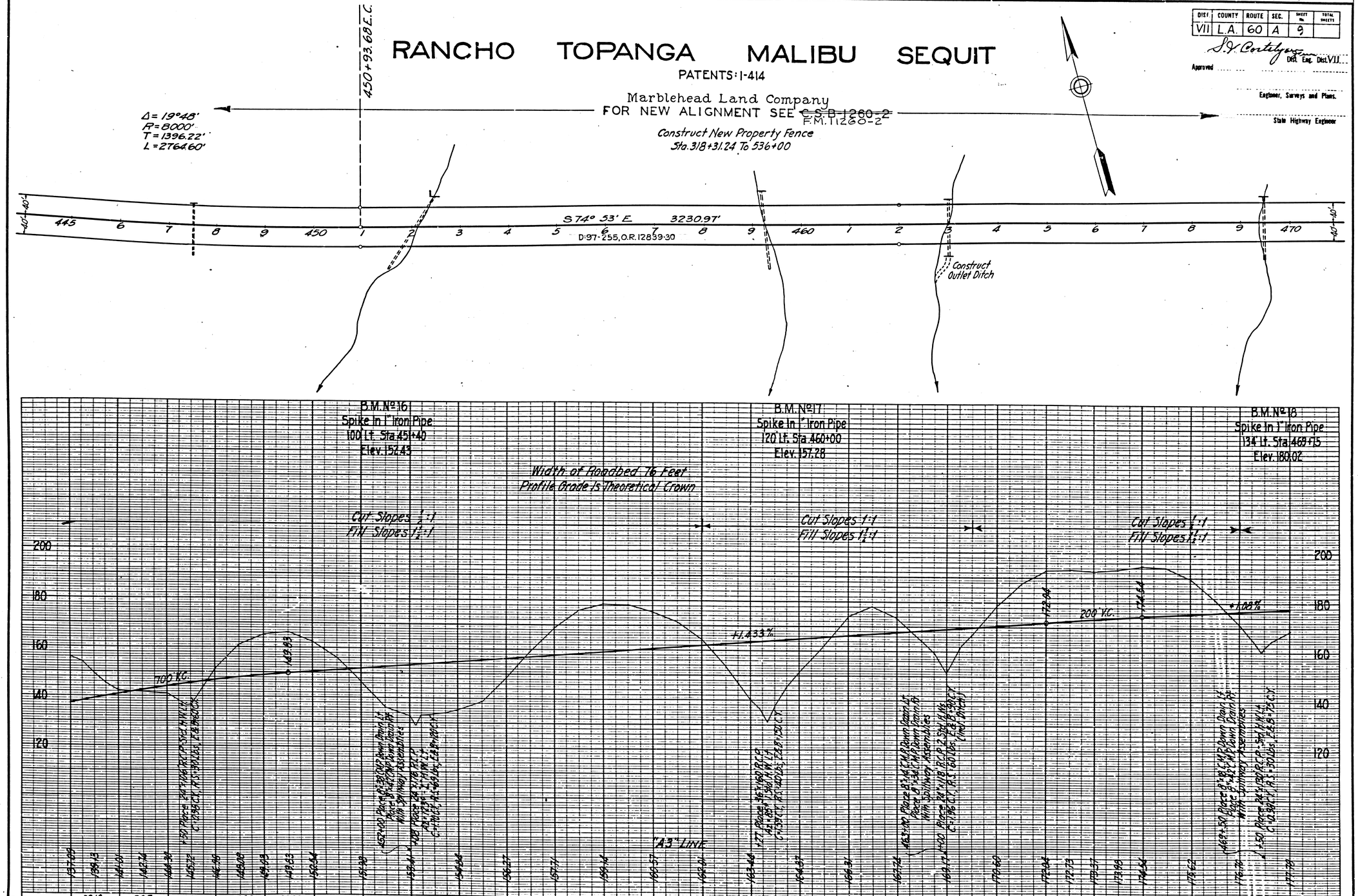
RANCHO TOPANGA MALIBU SEQUIT

PATENTS: 1-414

Marblehead Land Company

FOR NEW ALIGNMENT SEE ~~C.S.B. 1260-2~~ F.M. 11260-2

Construct New Property Fence
Sta. 318+31.24 To 536+00



Cu. Yds. Sta.	Exc.	Emb.
445	3918	12
6	285	407
7	171	1668
8	4692	–
9	6292	–
450	1972	501
1	1	5799
2	–	8011
3	–	5518
4	1219	408
5	5556	–
6	6030	–
7	3141	–
8	62	3803
9	–	9856
460	685	1670
1	3206	–
2	567	2137
3	522	1626
4	5241	–
5	7039	–
6	6699	–
7	6238	–
8	2162	315
9	–	4235
470		

H.T.S.
H.E.B.

F.M. 10588-2

A2 OF A13

DIST.	COUNTY	ROUTE	SEC.	SHEET NO.	TOTAL SHEETS
VII	L.A.	60	A	10	

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State Highway Engineer

RANCHO TOPANGA MALIBU SEQUIT

PATENTS 1-414

Marblehead Land Company

F.M. 11260-2

FOR NEW ALIGNMENT SEE ~~C.S.B-1260-2~~

Construct New Property Fence
Sta. 318+31.24 To 536+00

S 74° 53' E 3230.97'

D: 97-255, OR 12839-30

Power House

Power Line

483+24.63 B.C.

Δ = 16°40'
R = 3000'
T = 439.44'
L = 872.66'

491+97.31 E.C.

Road

Construct Channel Change

S 58° 13' E 268.76'

494+66.07 B.C.

Δ = 27°43'
R = 3000'
T = 740.11'
L = 1451.24'

B.M. № 19
Spike in 1" Iron Pipe
175 Lt. Sta. 487+50
Elev. 192.34

Width of Roadbed 76 Feet
Profile Grade is Theoretical Crown

Cut Slopes 1:1
Fill Slopes 1½:1

+1.08%

1000' V.C.

1891.2

-1.97%

Grade of Channel Change Lt.

"A3" LINE

+30 Place 8"x24" C.M.P. Down Drain
With Spillway Assemblies

Sta.	470	1	2	3	4	5	6	7	8	9	480	1	2	3	4	5	6	7	8	9	490	1	2	3	4	5
Cu. Yds. Exc.	60	173	–	–	–	815	1482	300	–	307	5169	4782	120	–	4743	12224	13729	12762	10551	8329	6380	3560	1729	595	87	
Cu. Yds. Emb.	1699	1250	3471	2826	2365	326	243	2032	5965	2512	–	17	4976	7234	148	–	–	–	–	–	–	188	764	981	3580	

Channel Change Lt. Exc. 8 215 187 229 182

177.70	178.88	179.76	180.42	182.10	183.16	184.26	185.34	186.42	187.50	188.58	189.12	189.90	190.66	190.67	192.84	193.63	194.16	193.98	192.96	192.20	192.35	191.94	191.20	190.39	189.43	188.37	187.35	186.39	185.44	184.32	183.05	181.64	180.26	178.76	177.22	175.74

+22 Place 24"x180 RCP Arch Storm Drain
C.O.180 Lt. R.S. 50 Lt. E.E.E. 80 Lt.

+90 Place 24"x100 RCP Storm Drain
C.O.180 Lt. R.S. 50 Lt. E.E.E. 80 Lt.

+120 Place 8"x38 C.M.P. Down Drain
Place 8"x38 C.M.P. Down Drain
With Spillway Assemblies

+90 Place 24"x128 RCP Storm Drain
C.O.180 Lt. R.S. 50 Lt. E.E.E. 82 Lt.

+25 Place 24"x151 RCP Storm Drain
C.O.180 Lt. R.S. 50 Lt. E.E.E. 85 Lt.

+24 Place 8"x34 C.M.P. Down Drain
Place 8"x52 C.M.P. Down Drain
With Spillway Assemblies

220	200	180	160	140	120	220	200	180	160	140	120															

470	1	2	3	4	5	6	7	8	9	480	1	2	3	4	5	6	7	8	9	490	1	2	3	4	5	

F.M.	10588	2
A3	OF	A13

HIS. H.E.B. Q.D.

DIST.	COUNTY	ROUTE	SEC.	SHEET No.	TOTAL SHEETS
VII	L.A.	60	A	11	

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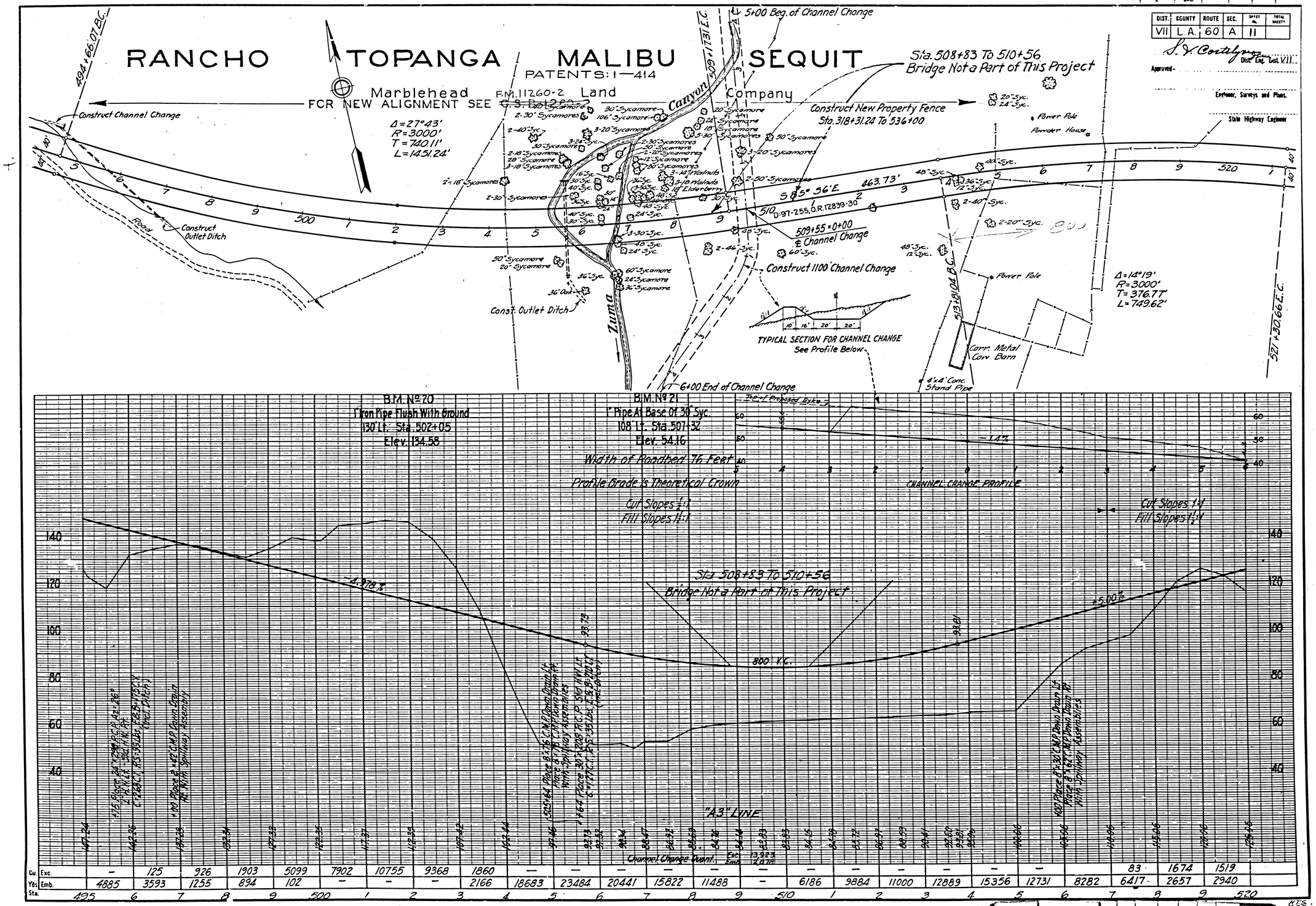
State Highway Engineer



Cu. Yds. Sta.																										
Exc.	–	125	926	1903	5099	7902	10755	9368	1860	–	–	–	–	–	–	–	–	–	–	–	–	–	83	1674	1519	
Emb.	4885	3593	1255	894	102	–	–	–	2166	18683	23484	20441	15822	11488	–	6186	9884	11000	12889	15356	12731	8282	6417	2657	2940	
Sta.	495	6	7	8	9	500	1	2	3	4	5	6	7	8	9	510	1	2	3	4	5	6	7	8	9	520

F.M. 10588-2

A4 OF A13

DIST.	COUNTY	ROUTE	SEC.	SHEET No.	TOTAL SHEETS
VII	L.A.	60	A	12	

S. F. Cortelyou
Dist. Eng. Dist. VII

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State Highway Engineer

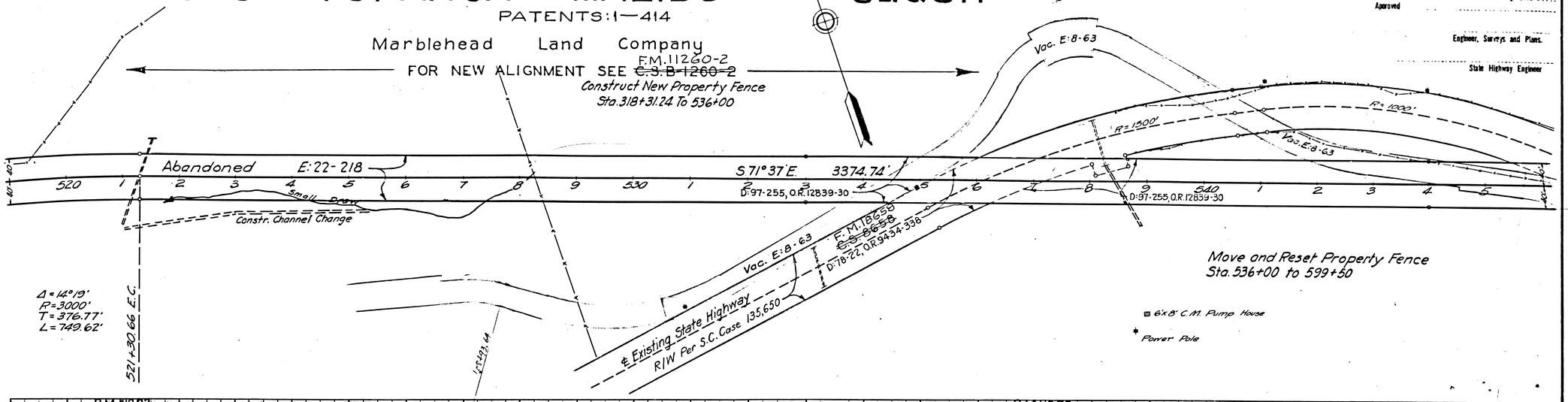
RANCHO TOPANGA MALIBU SE.QUIT

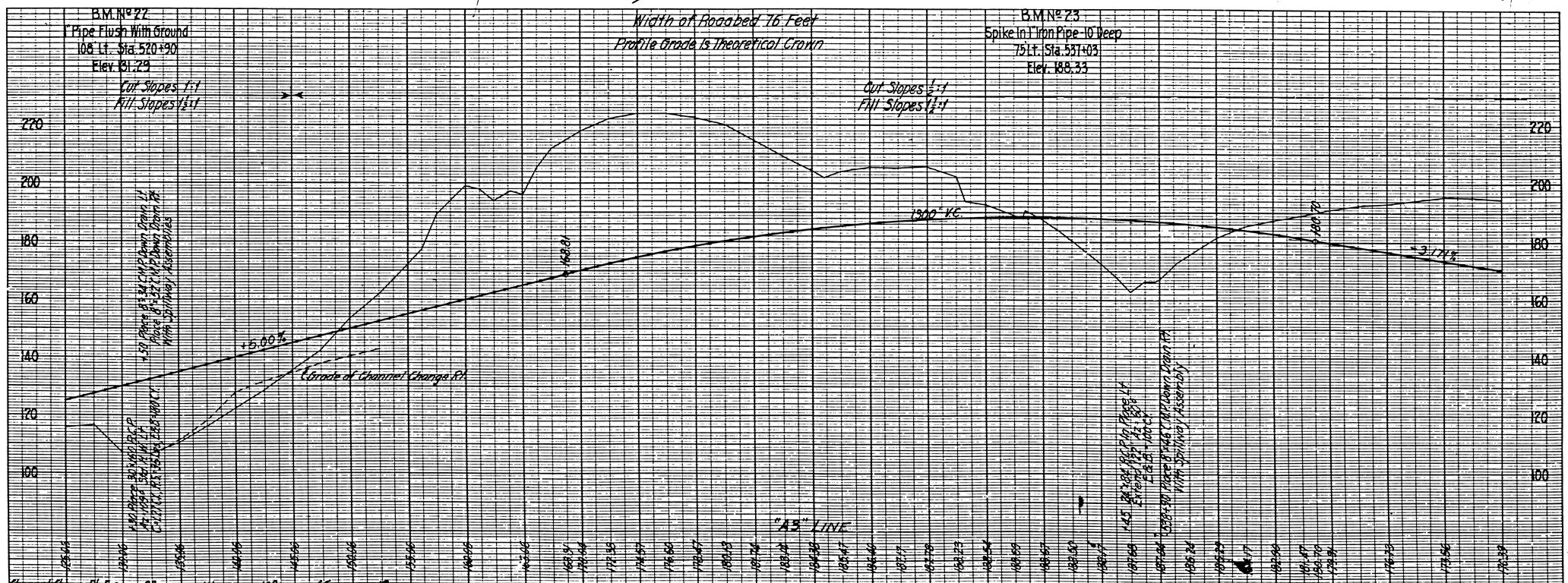
PATENTS: 1—414

Marblehead Land Company

FOR NEW ALIGNMENT SEE ~~C.S.B-1260-2~~ F.M.11260-2

Construct New Property Fence
Sta. 318+31.24 To 536+00





Channel Change Rt. Exc.		23	111	109	65	12																			
Cu. Exc.	61	—	—	—	745	4046	10919	12170	16979	19280	18206	15065	9299	6381	5995	2939	665	—	—	—	600	2644	4778	6759	8227
Yds. Emb.	5796	9972	7634	4363	1794	99	—	—	—	—	—	—	—	—	—	—	42	2226	7152	4218	296	—	—	—	—
Sta.	520	1	2	3	4	5	6	7	8	9	530	1	2	3	4	5	6	7	8	9	540	1	2	3	4	5

H.T.S.
H.E.B.

F.M. 10588-2

A5 OF A13

DIST.	COUNTY	ROUTE	SEC.	SHEET No.	TOTAL SHEETS
VII	L.A.	60	A	13	

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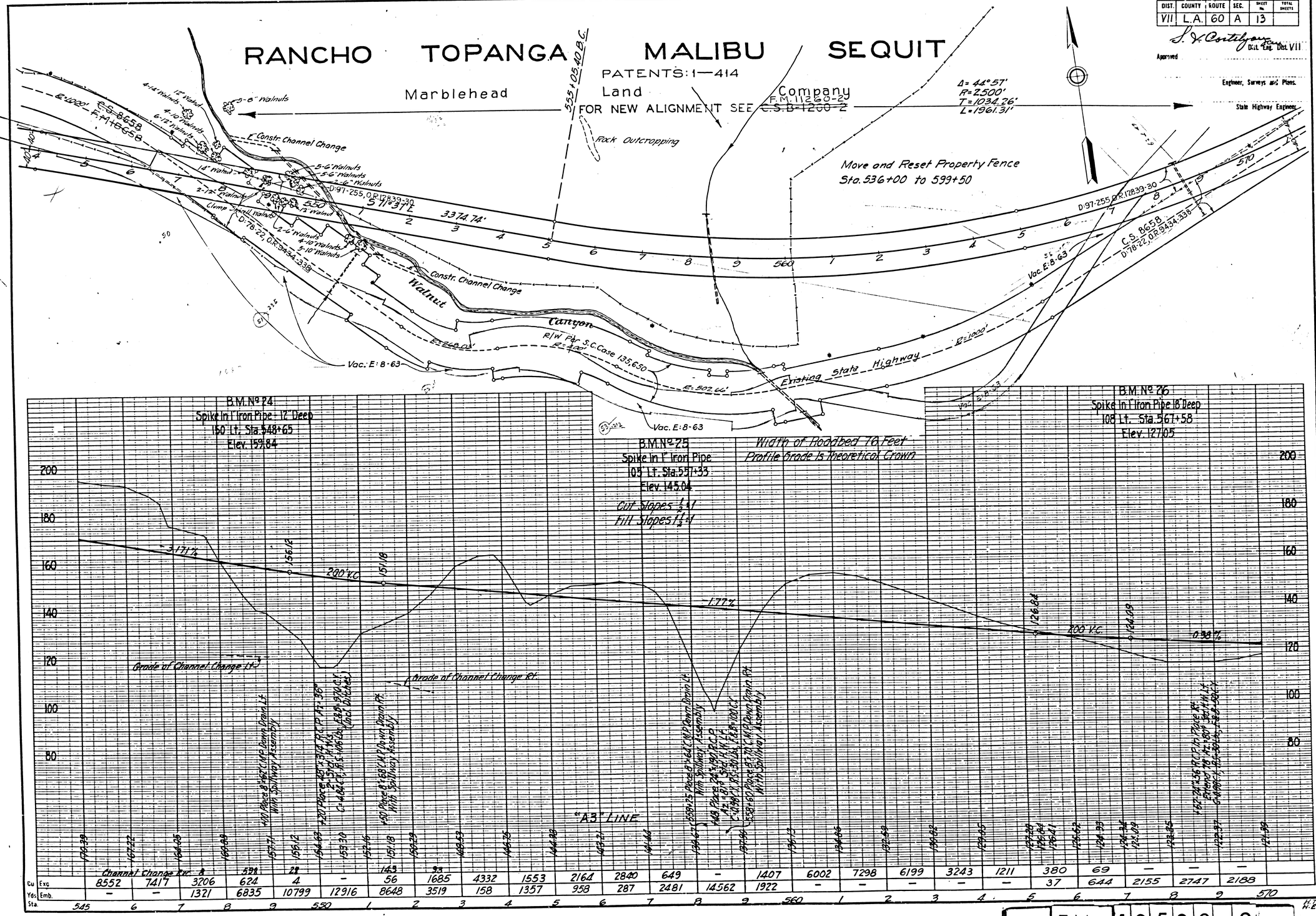

Channel Change Exc.																									
Cu Exc	8552	7417	3206	624	4	–	56	1685	4332	1553	2164	2840	649	–	1407	6002	7298	6199	3243	1211	380	69	–	–	–
Yds Emb.	–	–	1321	6835	10799	12916	8648	3519	158	1357	958	287	2481	14562	1922	–	–	–	–	–	37	644	2155	2747	2188

F.M. 10588-2

A6 OF A13

DIST	COUNTY	ROUTE	SEC.	SHEET No.	TOTAL SHEETS
VII	L.A.	60	A	14	

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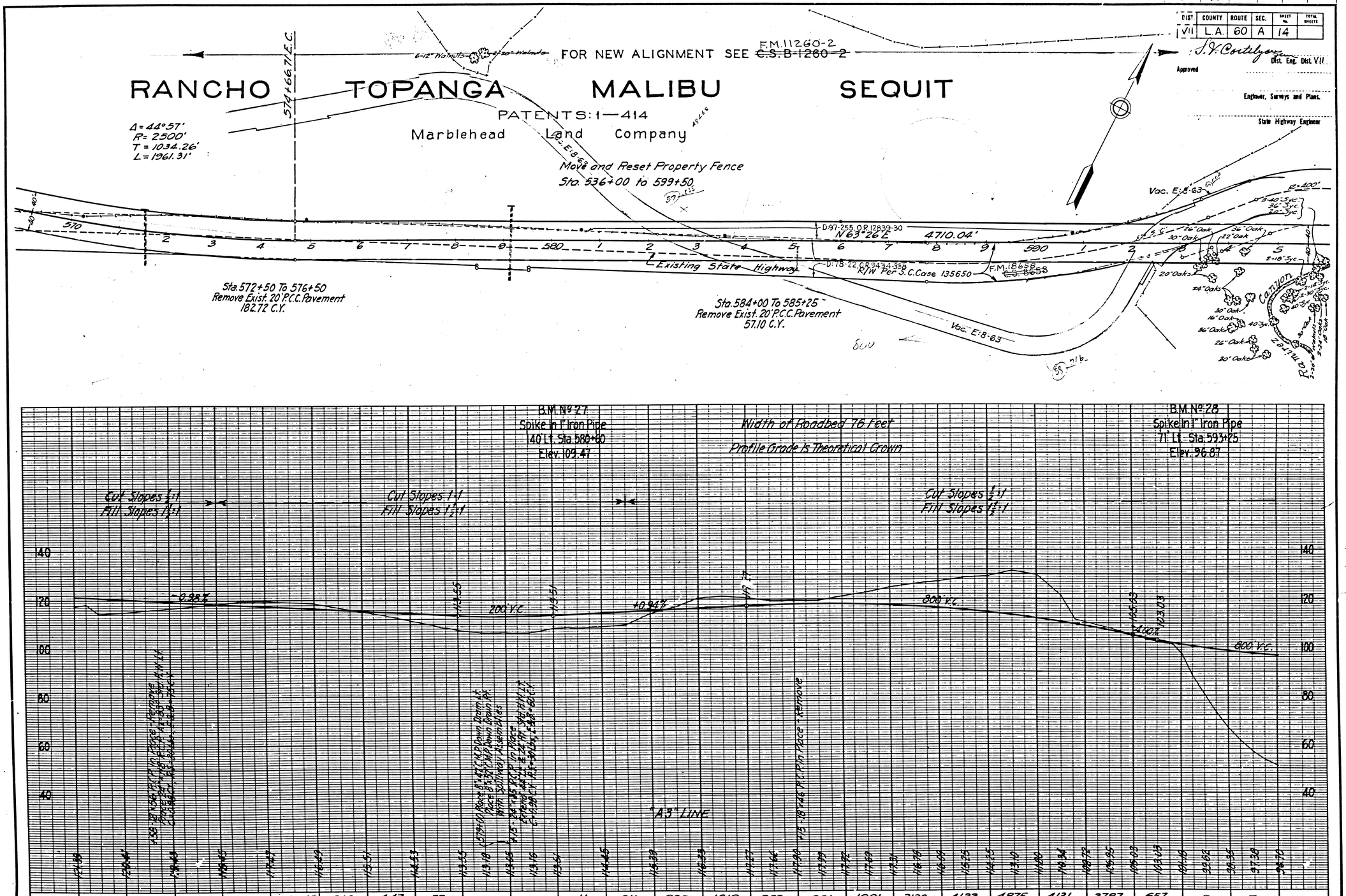


Cu. Yds. Sta.	570	1	2	3	4	5	6	7	8	9	580	1	2	3	4	5	6	7	8	9	590	1	2	3	4	5
Exc.	–	–	6	338	854	910	447	53	–	–	11	611	882	1019	762	991	1981	3130	4132	4875	4131	2787	657	–	–	
Emb.	1490	1818	782	63	–	4	252	1560	5012	4988	1595	722	533	280	67	2	–	–	–	–	–	–	409	5118	16235	

H.T.S.
Q.09

F.M. 10588-2

A7 OF A13

DIST.	COUNTY	ROUTE	SEC.	SHEET No.	TOTAL SHEETS
VII	L.A.	60	A	15	

FOR NEW ALIGNMENT SEE ~~C.S.B-1260-2~~ F.M.11260-2

RANCHO TOPANGA MALIBU SEQUIT

PATENTS: 1—414

Marblehead Land Company

Approved

Dist. Eng. Dist. VII

Engineer, Surveys and Plans.

State Highway Engineer

Move & Reset Property Fence
Sta. 536+00 To 599+50
Place New Property Fence
Sta. 599+50 To 607+00

Construct Road Connection

Construct New Property Fence Left and Right 607+00 to 740+00

End of Project
Sta. 607+00

Beginning of Project
Station 607+00

N63° 26' E 4710.04'

D·97-255, O.R. 12839·30

Sta. 596+25
Constr. Drainage Outlet Ditch Left. Exc. 50 C.Y. Exc. Incl. In Struct. Exc.

Sta 596+15 To 598+65
Constr. Toe of Slope Ditch Rt. Exc. 35 C.Y. Incl. In Struct. Exc.

Constr. 120' Channel Change

Make Connection To Exist. Highway
Embkt. = 1462 C.Y. Incl. In Roadway Quantities

Traveled Road

Vac. E·8·63

Existing State Highway

R/W Per Sup. Court Case 135650

Existing 20' P.C.C. Pav't.

D·78-22, O.R. 9434-338

Corral

Ramirez Canyon

Zuma Beach Road

Clump Walnuts 8-16" Walnuts
8" Walnut
5-6" Walnuts
5-6" Walnuts 10-6" Walnuts
4-10" Walnuts
2-10" Walnuts

B.M. No. 29
1" Pipe Driven Flush
77 Lt. Sta. 608+00
Elev. 153.41

B.M. No. 30
Spike In Iron Pipe
89 Lt. Sta. 614+93
Elev. 160.40

Width of Roadbed 76 Feet
Profile Grade Is Theoretical Crown

Cut Slopes 1:1
Fill Slopes 1½:1

End of Project
Sta. 607+00

+5.38%

+0.70%

600' V.C.

600' V.C.

"A3" LINE

Grade of Toe of Slope Ditch 1.8' ±

To Place 24"x60" C.M.P. Parallel to Ext. 2-8'x3'-10" C.B.

| | | |

DIST.	COUNTY	ROUTE	SEC.	SHEET No.	TOTAL SHEETS
VII	L.A.	60	A	5	

S. J. Corbley Jr. Dist. Eng. Dist. VII

Approved

Engineer, Surveys and Plans.

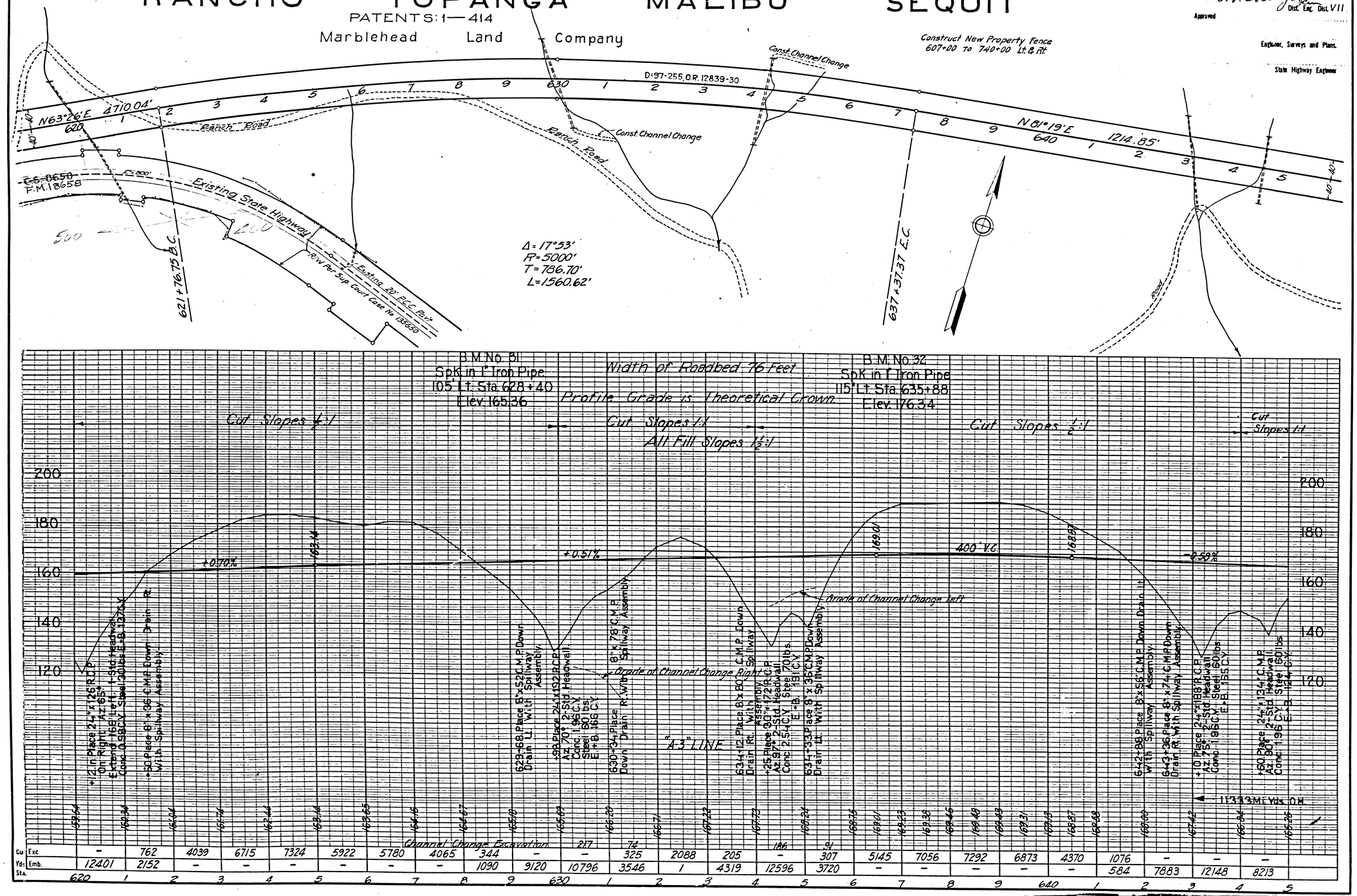
State Highway Engineer

FOR NEW ALIGNMENT SEE ~~C.S.B-1260-2~~ F.M.-11260-2

RANCHO TOPANGA MALIBU SEQUIT

PATENTS: 1—414

Marblehead Land Company



Cu. Yds. Sta.	Exc.	Emb.
620	–	12401
1	762	2152
2	4039	–
3	6715	–
4	7324	–
5	5922	–
6	5780	–
7	4065	–
8	344	1090
9	–	9120
630	217	10796
1	74	3546
2	325	1
3	2088	4319
4	205	12596
5	186	3720
6	91	–
7	307	–
8	5145	–
9	7056	–
640	7292	–
1	6873	–
2	4370	–
3	1076	584
4	–	7883
5	–	12148
6	–	8213

F.M. 10588-2

A9 OF A13

DIST.	COUNTY	ROUTE	SEC.	SHEET No.	TOTAL SHEETS
VII	L.A.	60	A	6	

S. V. Castelyou
Dist. Eng. Dist. VII

Approved

Engineer, Surveys and Plans.

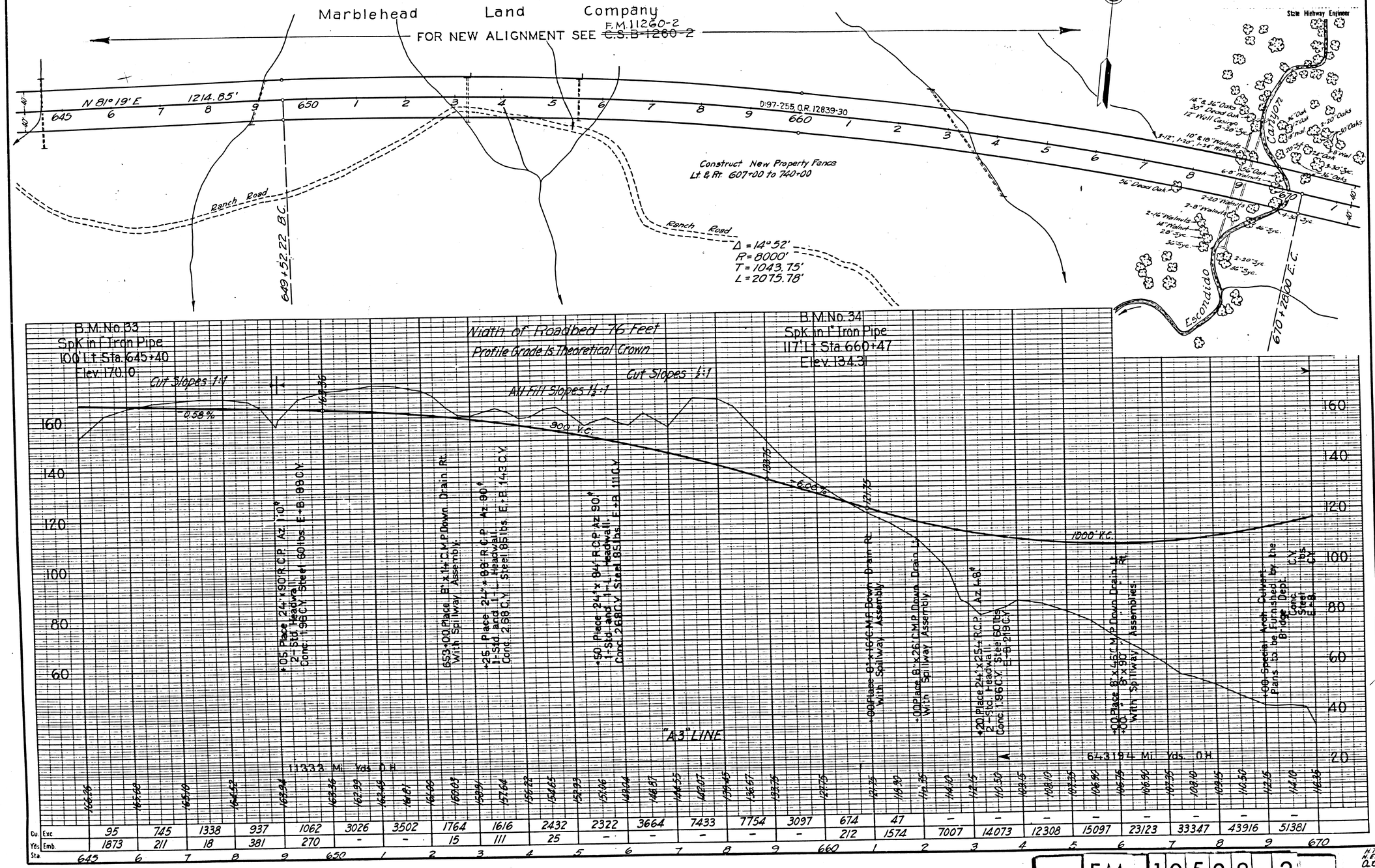
State Highway Engineer

RANCHO TOPANGA MALIBU SEQUIT

PATENTS: 1—414

Marblehead Land Company

FOR NEW ALIGNMENT SEE ~~C.S.B-1260-2~~ F.M. 11260-2



Cu. Yds. Sta.	645	6	7	8	9	650	1	2	3	4	5	6	7	8	9	660	1	2	3	4	5	6	7	8	9	670
Exc.	95	745	1338	937	1062	3026	3502	1764	1616	2432	2322	3664	7433	7754	3097	674	47	–	–	–	–	–	–	–	–	
Emb.	1873	211	18	381	270	–	–	15	111	25	–	–	–	–	–	212	1574	7007	14073	12308	15097	23123	33347	43916	51381	

F.M. 10588-2

A10 OF A13

DIST.	COUNTY	ROUTE	SEC.	SHEET No.	TOTAL SHEETS
VII	L.A.	60	A	7	

S. F. Cortelyou
Dist. Eng. Dist. VII

Approved

Engineer, Surveys and Plans.

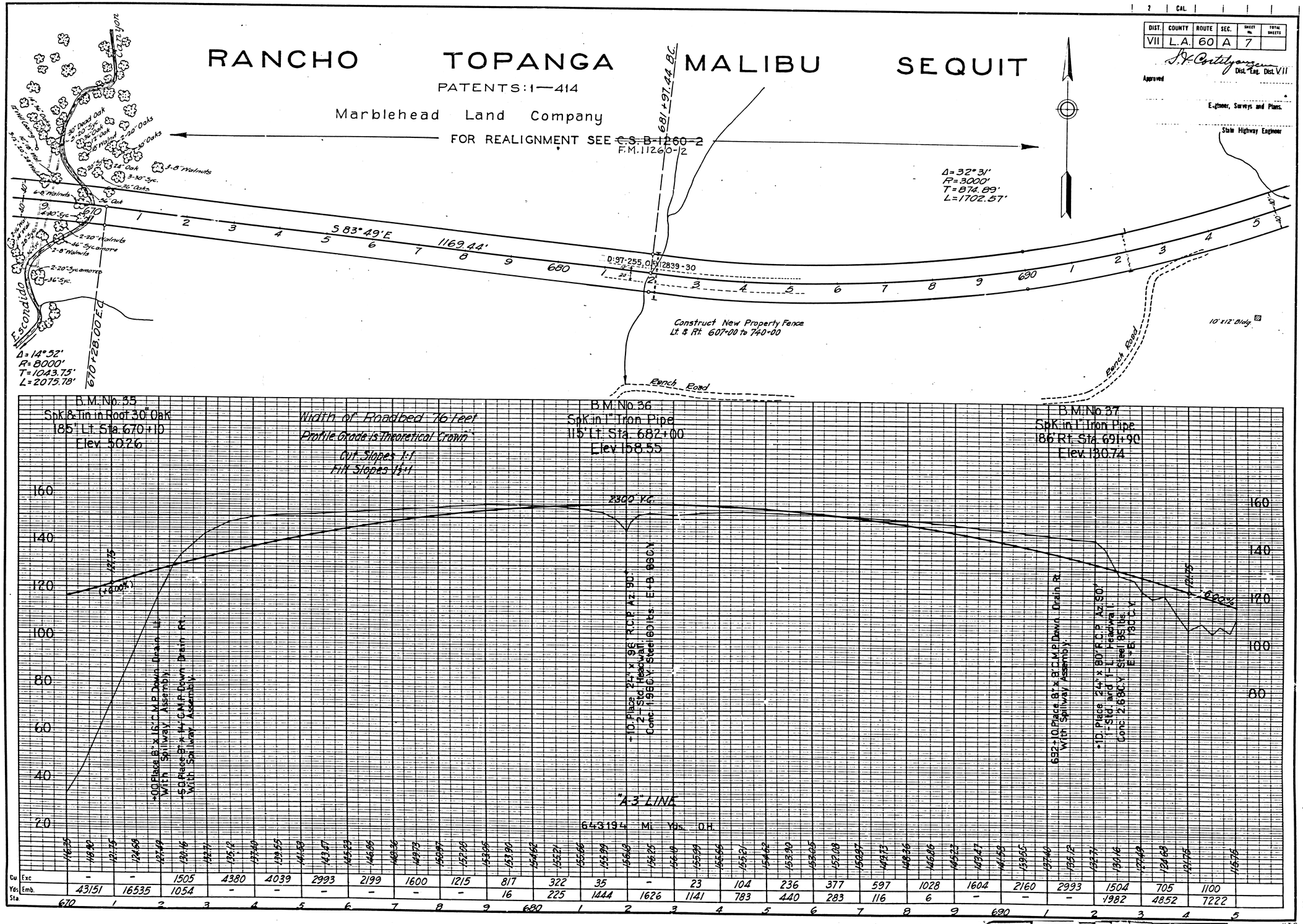
State Highway Engineer

RANCHO TOPANGA MALIBU SEQUIT

PATENTS: 1—414

Marblehead Land Company

FOR REALIGNMENT SEE ~~C.S. B-1260-2~~ F.M. 11260-2



Cu Yds Sta.																													
Exc.	-	-	1505	4380	4039	2993	2199	1600	1215	817	322	35	-	23	104	236	377	597	1028	1604	2160	2993	1504	705	1100				
Emb.	43151	16535	1054	-	-	-	-	-	-	16	225	1444	1626	1141	783	440	283	116	6	-	-	-	1982	4852	7222				

670 1 2 3 4 5 6 7 8 9 680 1 2 3 4 5 6 7 8 9 690 1 2 3 4 5

F.M. 10588-2

A11 OF A13

DIST.	COUNTY	ROUTE	SEC.	SHEET No.	TOTAL SHEETS
VII	L.A.	60	A	8	

S. H. Corthlyou
Dist. Engr. Dist. VII

Approved

Engineer, Surveys and Plans.

State Highway Engineer

RANCHO TOPANGA MALIBU SEQUIT

PATENTS: 1—414 F.M. 11260-2
FOR REALIGNMENT SEE ~~C.S.B 1260-2~~
Marblehead Land Company

Δ=32°31'
R=3000'
T=874.89'
L=1702.57'

699+00.01 E.C.

Latigo Canyon

Construct Road Connection

Construct New Property Fence
Lt. & Rt. 607+00 to 740+00

3½" O.D. Steel tubing water pipe. State owned.

.39 per C.S. Sht. 53

D:97-255, O.R. 12839-30

N 63°40'E 1575.09'

Ex. 87' to 20' P.U.E. Per

R/W Per Sup. Court Case No. 135650

714+30 to 718+30 On Right
Place 2 Tons Rip Rap Per Lin. Ft.
800 Tons

719+73.13 B.C.
Δ=7°03'38"
R=2000'
T=123.38'
L=246.46'

D:97-255, O.R. 12839-30

N 73°41'45" E 163.63'

10'x12' Bldg.

Existing State Highway
R=600'
R/W Per S.C. Case No. 135,650

D:79-22, O.R. 9434-336

Construct Road Connection

F.M. 11658

C.S. 8658

R=500'
R=1000'

714+75.10 B.C.

Δ=9°34'45"
R=2000'
T=167.58'
L=334.38'

718+09.48 E.C.

P A C I F I C O C E A N

B.M. No. 38
Spk. in 1" Iron Pipe
90' Lt. Sta. 697+30
Elev. 109.56

Width of Roadbed 76 Feet
Profile Grade is Theoretical Crown
Cut Slopes 1:1
Fill Slopes 1½:1

B.M. No. 39
"X" On Headwall
40' Rt. Sta. 705+25
Elev. 26.74

Cut Slopes ½:1

B.M. No. 39 A
Spike in I Iron Pipe
80' Left Sta. 709+93.88
Elev. 62.73 Back
Elev. 61.94 Ahead
Equa.

B.M. No. 40
X On Headwall
Lt. Sta. 714+11
Elev. 39.80

Connection to Existing Highway

Connection to Latigo Canyon Road

+70. Place 24" x 92' C.M.P. Az. 90°
2-Std. Headwall
Conc. 3.6 C.Y. Steel 60 lbs. E.+B. 9.9 C.Y.

697+25 Place 24" x 44' C.M.P. Down Drain Rt.
697+28 Place 24" x 60' C.M.P. Down Drain Rt.
With Spillway Assemblies

+25. Place 24" x 44' C.M.P. Az. 90°
2-Std. Headwall
Conc. 1.9 C.Y. Steel 60 lbs.
E.+B. 6.1 C.Y.

700+08. to 700+64 on Left.
Place 24" x 56' R.C.P.
2-Std. Headwall
Conc. 1.96 C.Y. Steel 60 lbs
E.+B. 6.1 C.Y.

+89.51 Place 6'x6'x 28'-5" R.C.B. Az. 90
See Sheet No. 16
Conc. 32.5 C.Y. Steel 3,400 lbs.
E.+B. 11.0 C.Y.

+702.50 Place 8'x 30' Down Drains Land RY
With Spillway Assemblies

+25. In Place 18'x 61' R.C.P.
Abandon.

06 Place 24" x 126' C.M.P. Az. 96°
2-Std. Headwall.
Conc. 1.96 C.Y. Steel 60 lbs.
E.+B. 10.6 C.Y.

+20 Place 8'x 34' C.M.P. Down
Drain Rt. With Spillway
Assembly

+11. In Place 24" x 64' R.C.P.
Az. 90°. Remove Left 125'
Extend 28' Left and 22' Right
2-Std. Headwall Conc. 3.6 C.Y.
Steel 60 lbs. E.+B. 8.4 C.Y.

+33. In Place 18" x 74' R.C.P.
Az. 65°12"
Extend 14' Lt. and 20' Rt.
2-Std. Headwall. Conc. 1.32 C.Y.
Steel 46 lbs. E.+B. 3.2 C.Y.

+57. In Place 18" x 53' R.C.P.
Az. 88°
Aberdeen

+82. Place 24" x 88' R.C.P.
Az. 90°. 1-Std. 1-L. Headwall
Conc. 2.68 C.Y. Steel 85 lbs
E.+B. 12.6 C.Y.

Exc. 845 107 69
Emb. 0 1 11 12
Sta.

Exc. 44 620 1310 1845 2754
Emb. 4 3 2 1 0
Sta.

-5.00% +1.00% -3.00% -1.30% +2.85% +3.00% -0.93% -1.04%

100' V.C. 160' 300' V.C. 100' V.C. 150' V.C. 200' V.C.

Equation in Levels Back 3727 Ahead 3631

A3 LINE

643194 Mi. Yds. O.H.

Cu. Exc.	768	14	146	462	74	83		256	8050	224		63	956	260	356	+/- 924	+/- 505	+/- 94	+/- 1216	+/- 1288	+/- 889	+/- 282	+/- 707	-/- 5567	-/- 9867				
Yds. Emb.	3224	7352	7641	5825	6610	7236	27734	5872	8	5683	8149	4976	2223	1429	1264	+/- 692	-/- 1222	-/- 1029	-/- 575	-/- 839	-/- 1766	-/- 1801	-/- 1315	56	21				
Sta.	695	6	7	8	9	700	1	2	3	4	5	6	7	8	9	710	1	2	3	4	5	6	7	8	9	720			

F.M. 10588-2

A12 OF A13

DIST.	COUNTY	ROUTE	SEC.	SHEET No.	TOTAL SHEETS
VII	LA	60	A	9	

S.V. Castelyn
Dist. Eng. Dist. VII

Approved

Engineer, Surveys and Plans.

State Highway Engineer

RANCHO TOPANGA MALIBU SEQUIT

PATENTS: 1—414

Marblehead Land Company

719+73.13 B.C.

Δ=7°03'38"
R=2000'
T=123.38'
L=246.46'

722+19.59 E.C.

Construct New Property Fence
Lt. & Rt. 607+00 to 740+00

F.M. 11260-2
FOR REALIGNMENT SEE ~~C.S.B-1260-2~~

Solstice Canyon Road

Solstice Canyon

F.M. 11698-2
~~C.S.B-1698-2~~
~~C.S.B-1260-3~~
F.M. 11260-3

Move & Reset Property Fence
740+00 to 886+50 Lt. & Rt.

3½" O.D. Steel tubing water pipe.
State owned.

Guy Pole
Power Pole

Construct Road Connection

Existing 20' P.C.C. Pvmt

N 74°56'07" E—841.39'

730

D:78-22, O.R. 9434-338

R/W Per Sup Court Case No. 135650

720+35 to 735+00 On Right.
Place 2 Tons Rip Rap Per Lin. Ft.
2930 Tons.

Power Pole

737+94.71
0+16.44

740+15 to 740+80 Bridge
Not Part of This Project

4" Water Line

Gate Valve

4" Water Line on Bridge

N 21°35' E
1674.16'

D:97-255, O.R. 12839-30

D:78-22, O.R. 9434-338

~~C.S.B-865~~ F.M. 18658

720

N 66°11'01" E—211.54'

D:97-255, O.R. 12839-30

724+31.13 B.C.

Δ=8°45'
R=2000'
T=153.01'
L=305.43'

727+36.56 E.C.

SEE 13560 REC. OR 9434-338 (D:78-22)

735+77.95 B.C.

Δ=9°38'53"
R=2000'
T=168.79'
L=336.78'

739+14.73 E.C.

P A C I F I C O C E A N

Continued on Sheet No. 3

B.M. No. 41
"x" On Cor. Conc. Block
30' Lt. Sta. 723+68
Elev. 35.89

B.M. No. 42
"x" On Headwall
Lt. Sta. 730+17
Elev. 30.18

Width of Roadbed 76 feet

Profile Grade is Theoretical Crown on ℄

Cut Slopes 1/2:1
Fill Slopes 1 1/2:1

B.M. No. 43
On Coping S.E. Cor. Bridge
Rt. Sta. 740+16
Elev. 18.63

Profile Grade is Top of Existing Pavement 20 Ft. Right is Theoretical Crown 20' Right

Connection to Solstice Canyon Road

+08 Place 8'x 10' C.M.P. Down Drain Rt. With Spillway Assembly

+06 Place 24"x 84" C.M.P. Az. 90° Lt.: Headwall Conc. 1.70 C.Y. Steel Stubs: E+B 1.27 C.Y.

+05 Place 8'x 4.8' C.M.P. Down Drain Rt. With Spillway Assembly

+05 Place 24"x 84" C.M.P. Az. 90° Lt.: Headwall Conc. 1.70 C.Y. Steel Stubs: E+B 1.07 C.Y.

+07 Place 9'x 10' C.M.P. Down Drain With Spillway Assembly

740+15 to 740+80 Bridge
Not Part of This Project

"A-3" LINE
6+43.194 Mi. Yds. O.H.

		720	1	2	3	4	5	6	7	8	9	730	1	2	3	4	5	6	7	8	9	740	1	2	3	4	5
Cu Yds.	Exc	8357	4196	578	18	27	440	907	5923	4964	4938	10718	4927	510	352	613	1615	625	106	468	118	7	1538	1938	3228	3350	
	Emb.	1368	3133	3373	3410	2646	2136	1414	1150	922	1246	901	981	867	539	706	317	285	78	39	257	228	2	9	9	9	
Sta.																											

Exc. 105 218 24
Emb. Sta. 2 3 4

F.M. 10588-2

A13 OF A13