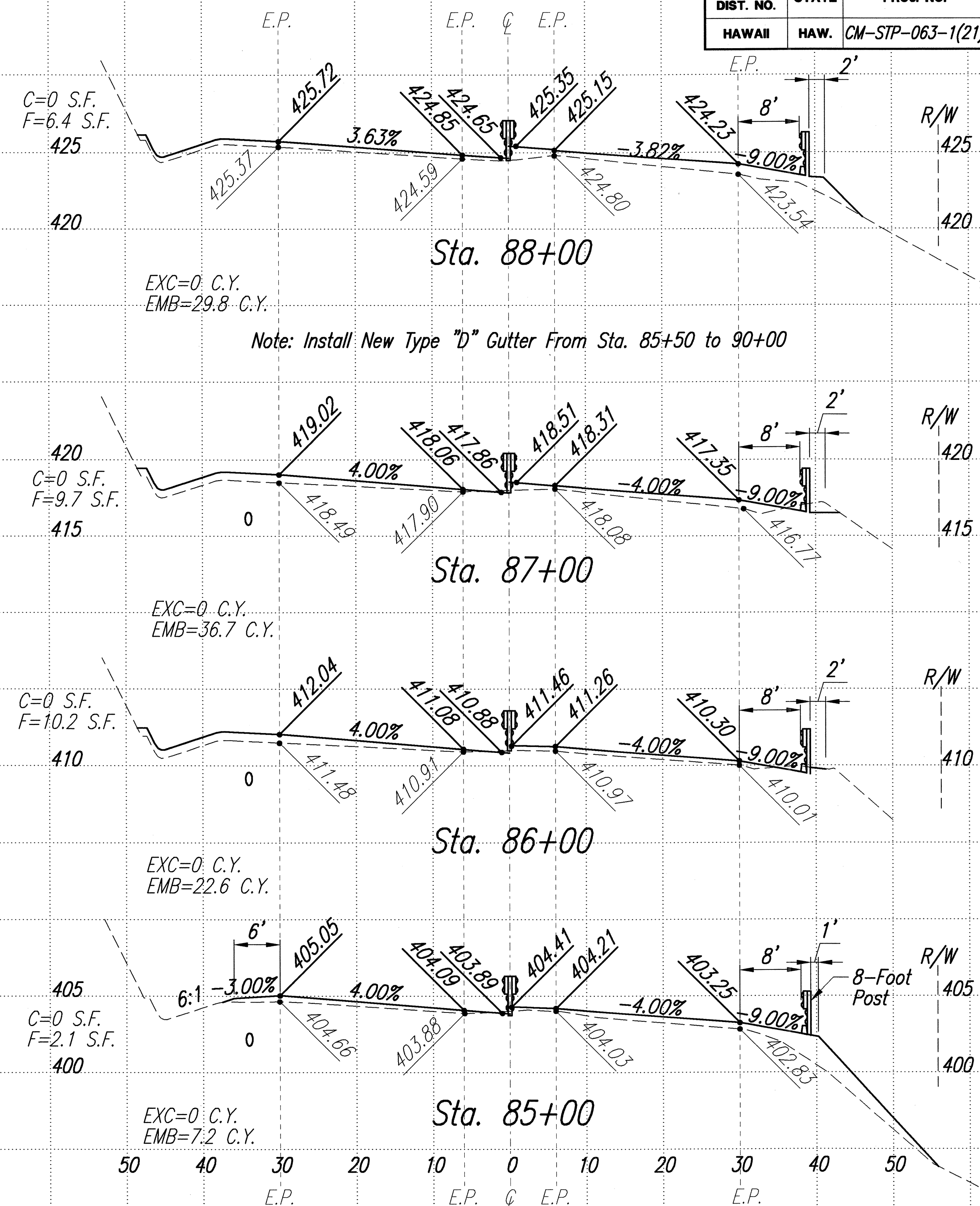
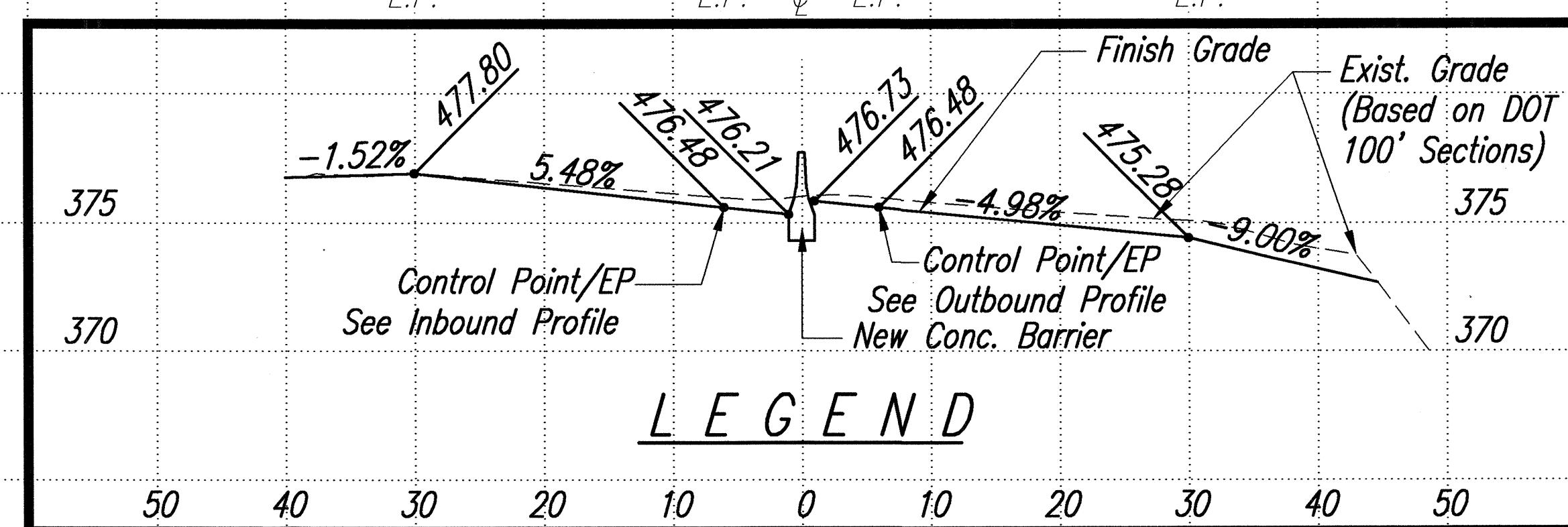
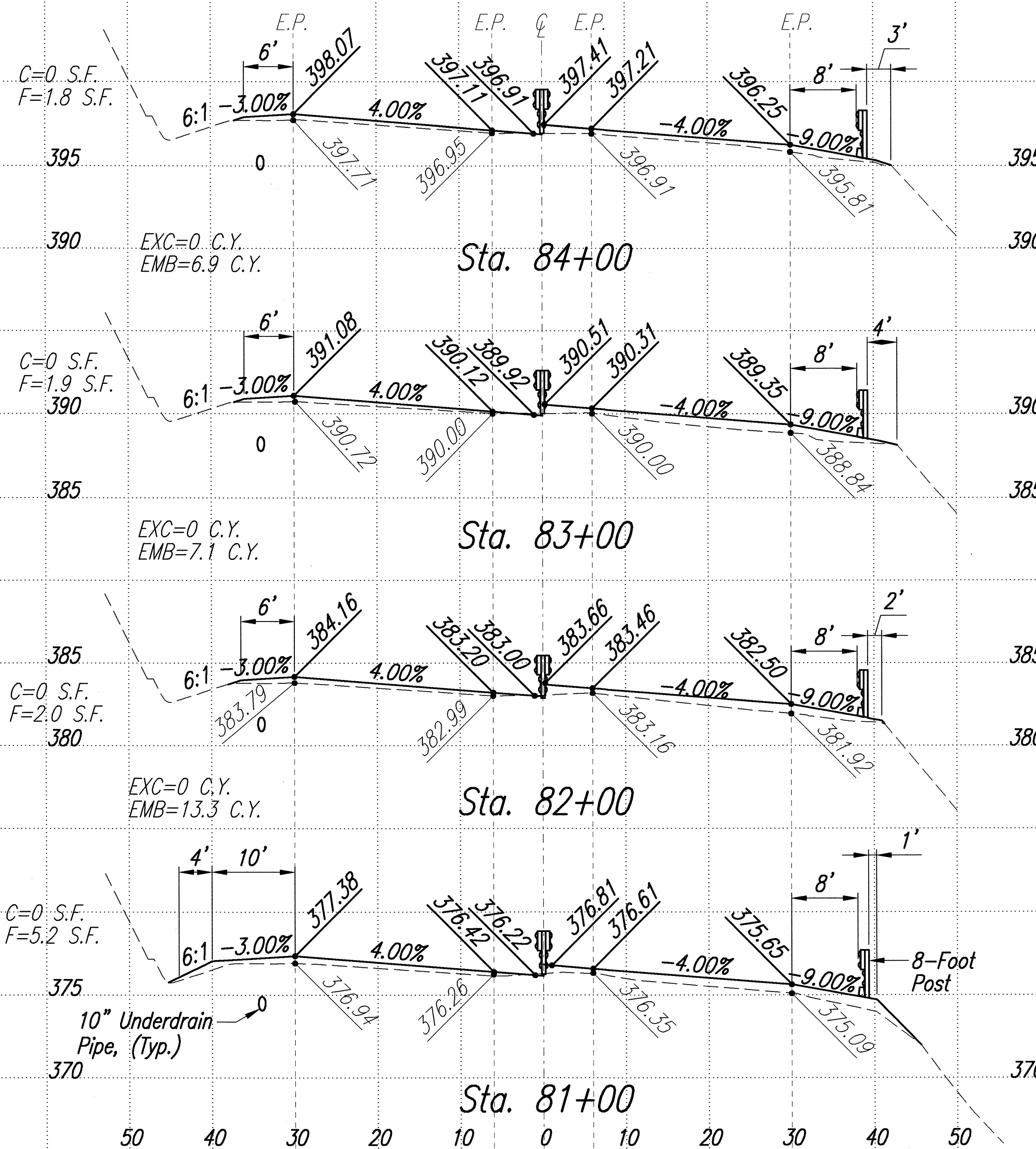
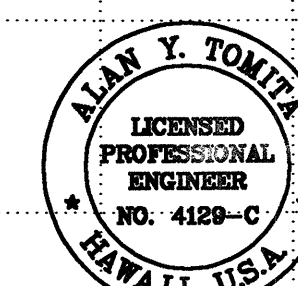


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CM-STP-063-1(21)	2002	49	187



Notes:

1. Exist Spot Grades at EP Were Obtained by Interpolation at Grades Provided with the DOT 100'-Sections
2. State R/W is Beyond Cross Section Limits Except Otherwise Shown.
3. Cut/Fill Quantities Shown are for Paved Shoulder Areas Only (See Sht. 69 for Pay Limit for Paved & Unpaved Shoulder).
4. A.C./B.C. Quantities for Travelway are Paid Under Cold Plane, Level Course and Reconstruction Pay Items.



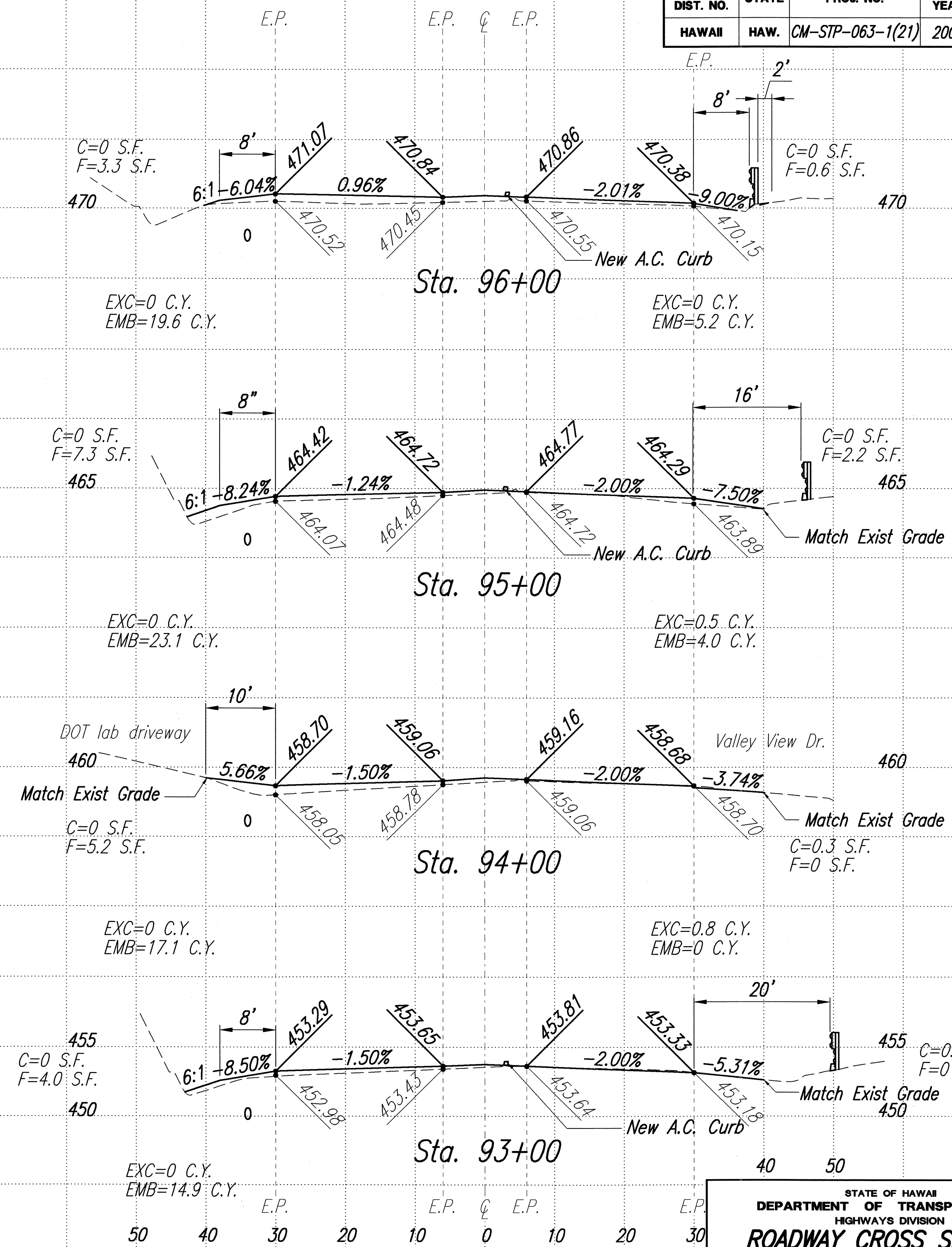
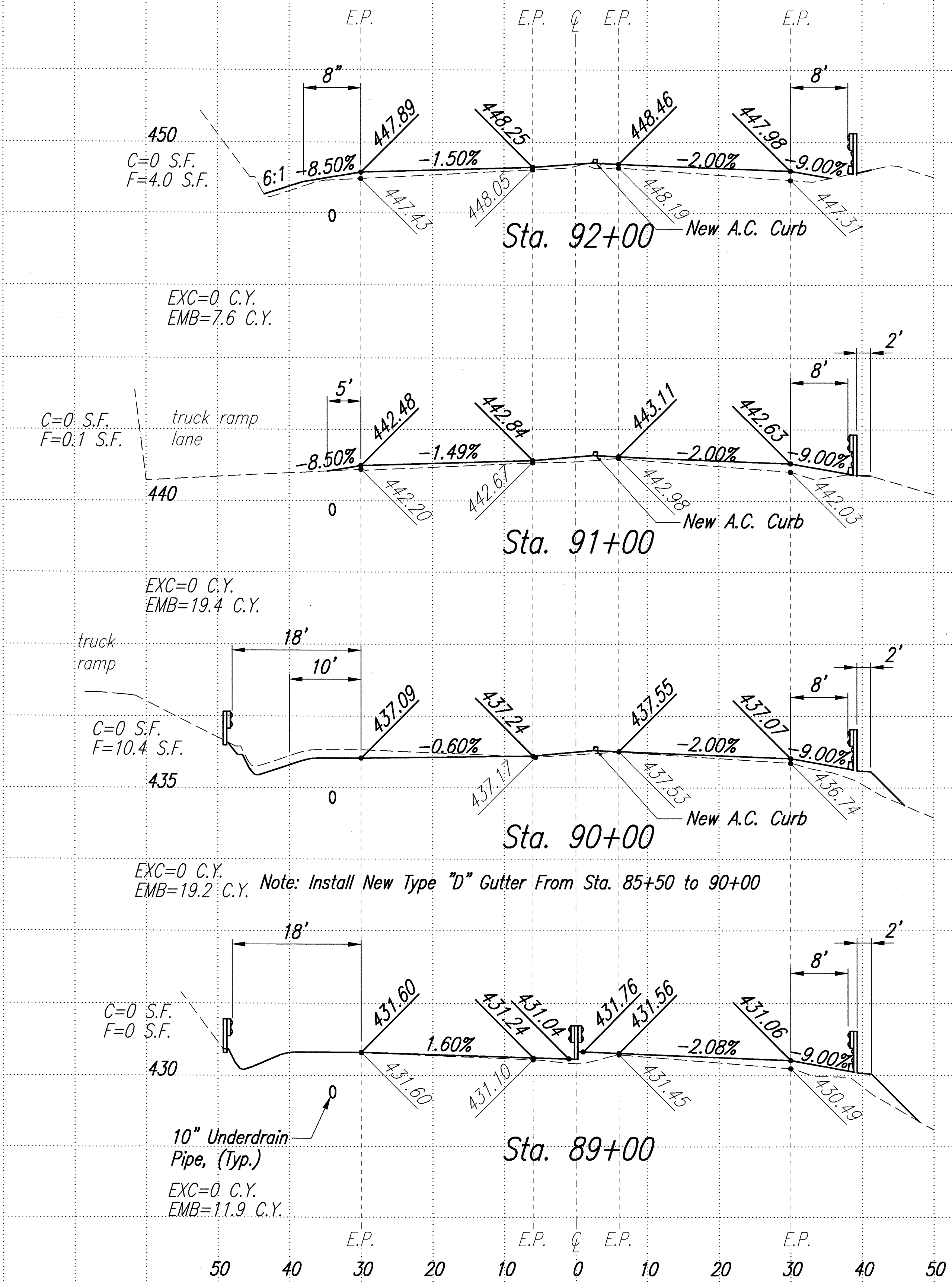
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Alan Y. Tomita

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY CROSS SECTIONS
STA. 80+40 TO STA 88+00
LIKELIKE HIGHWAY RESURFACING
Emmeline Place to the Wilson Tunnel
F. A. Project No. CM-STP-063-1(21)
Scale: As Shown Date: December, 2001

SHEET No. 1 OF 21 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CM-STP-063-1(21)	2002	50	187



ROADWAY CROSS SECTIONS

Scales: HORIZ 1"=10'
 VERT 1"=5'



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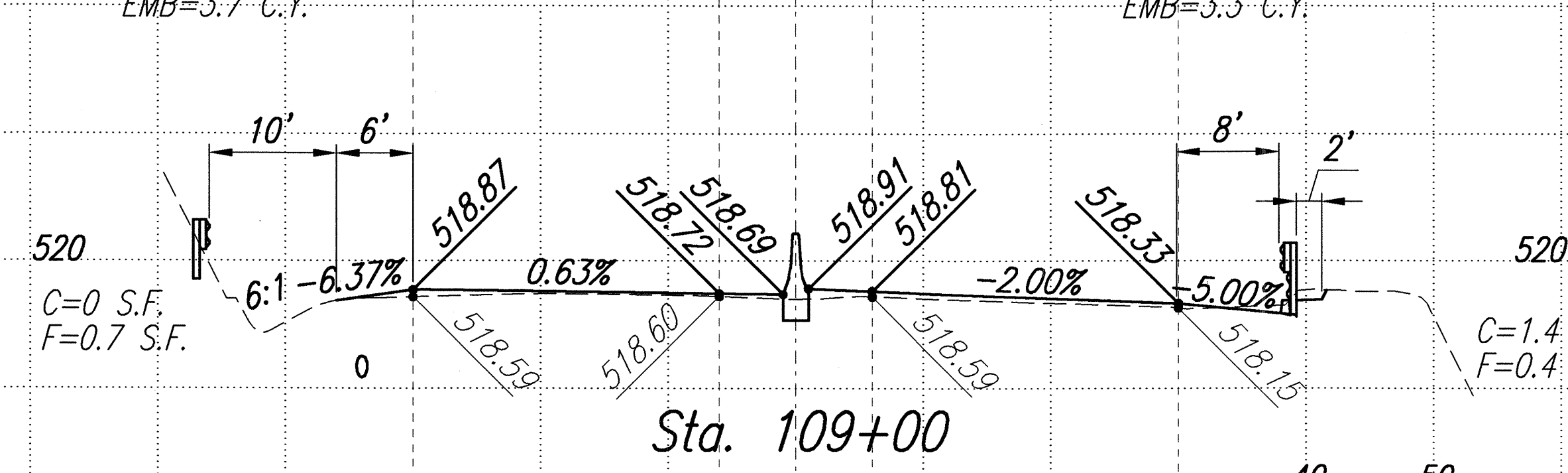
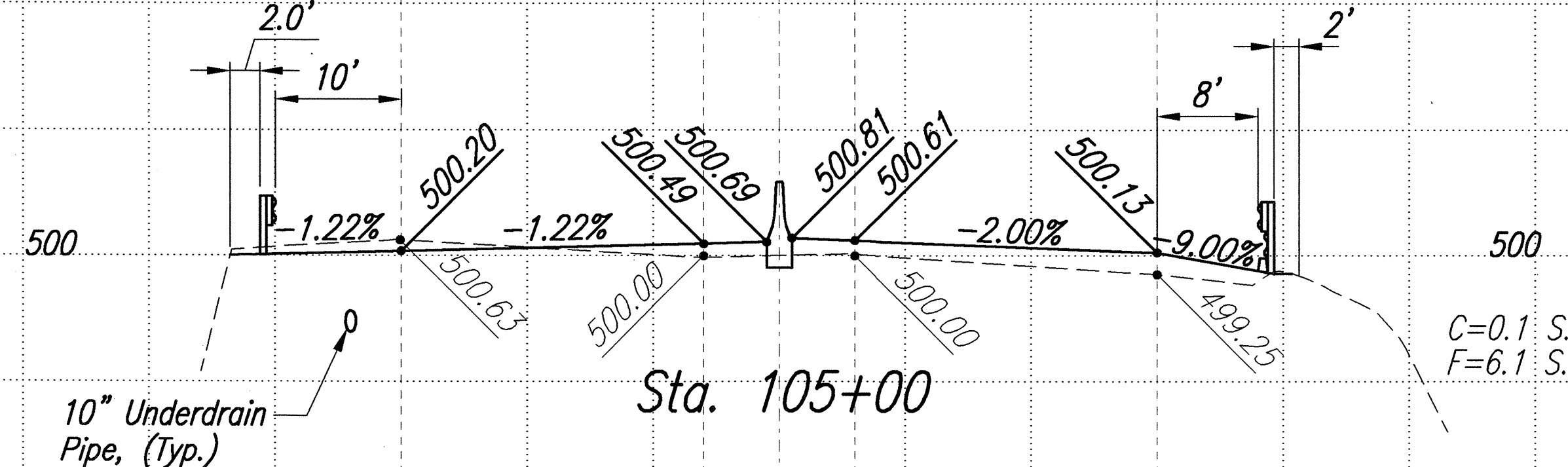
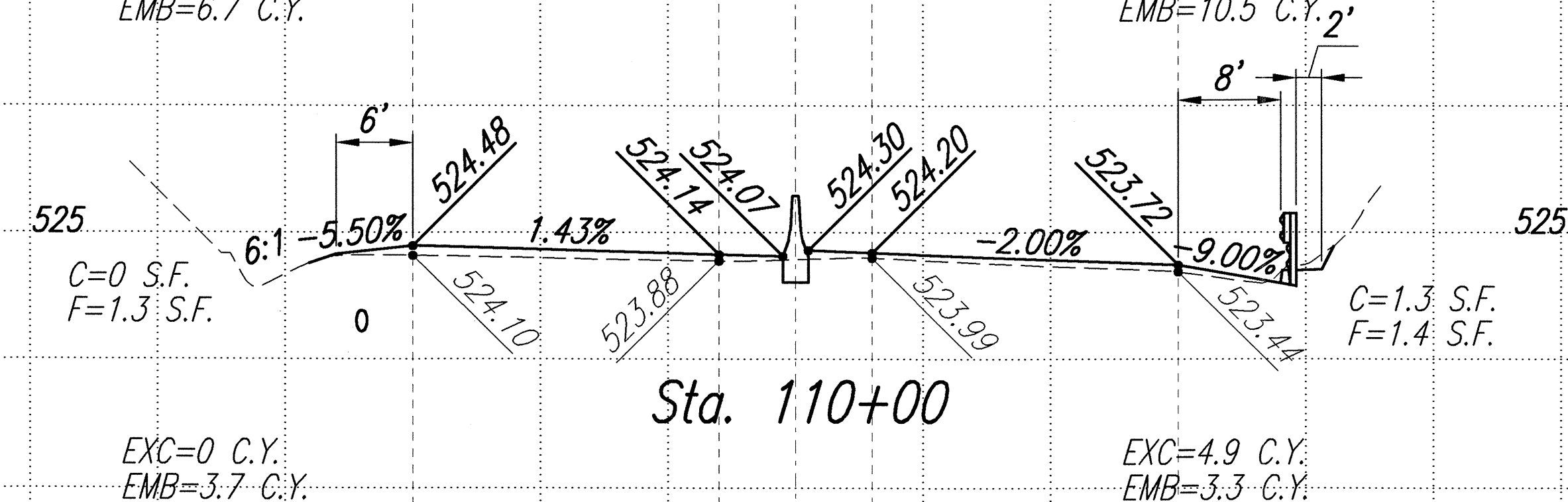
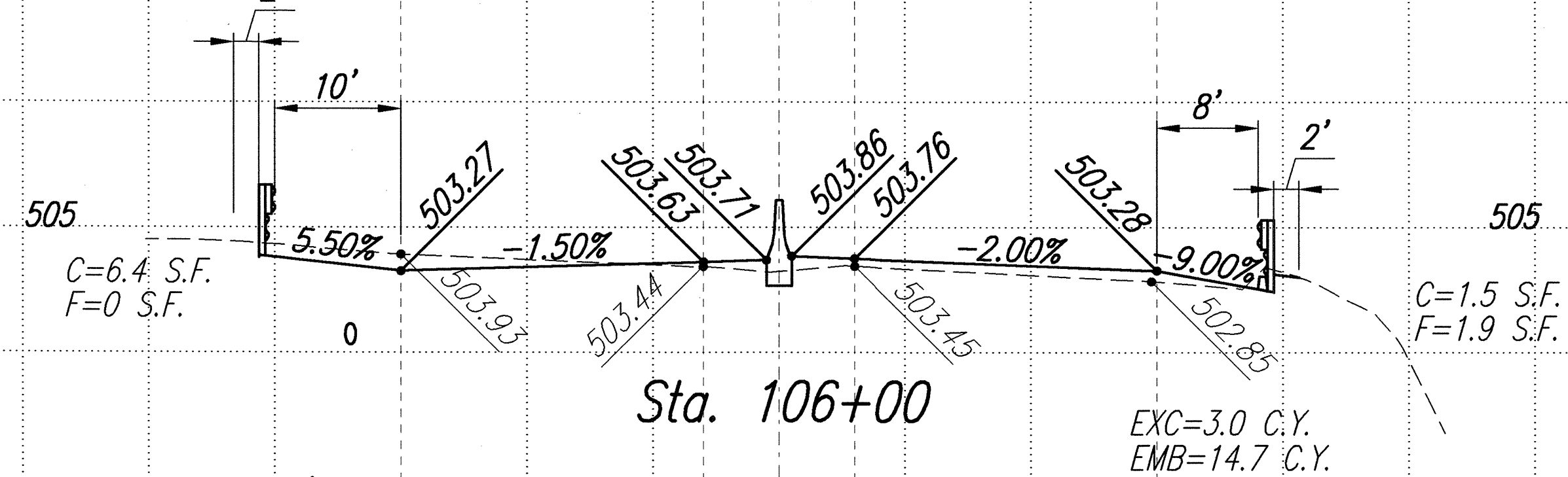
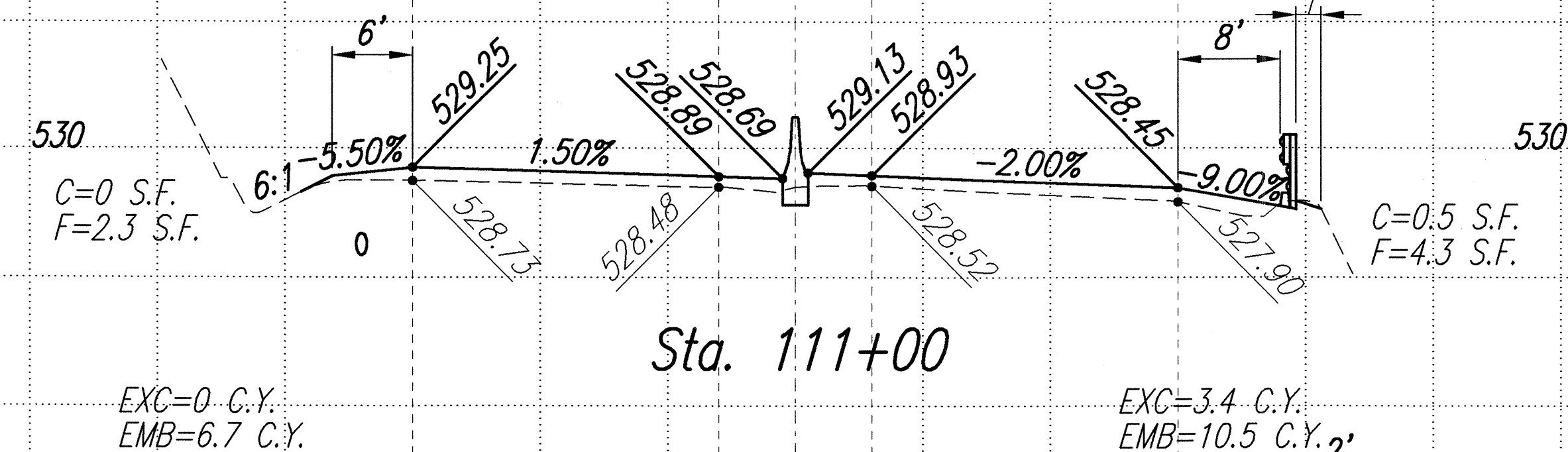
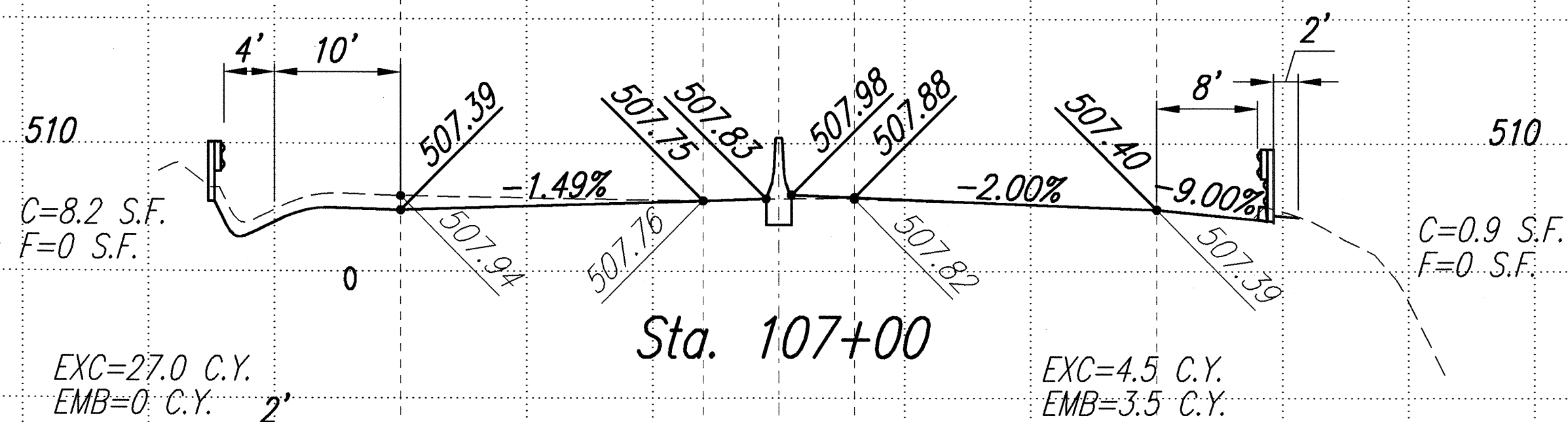
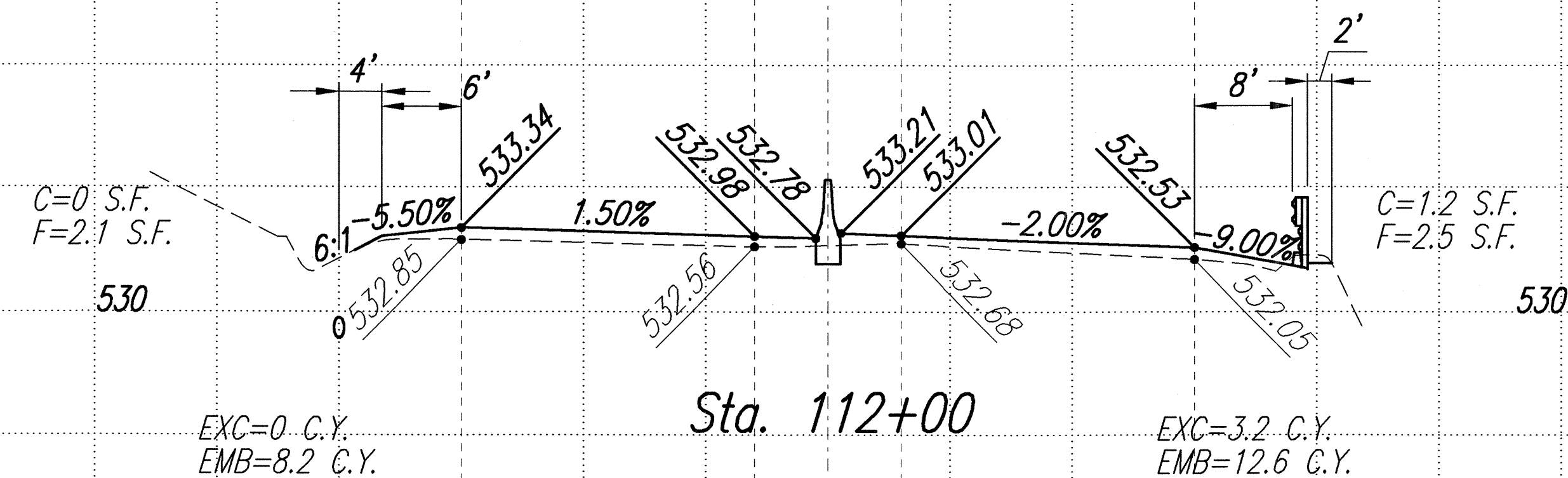
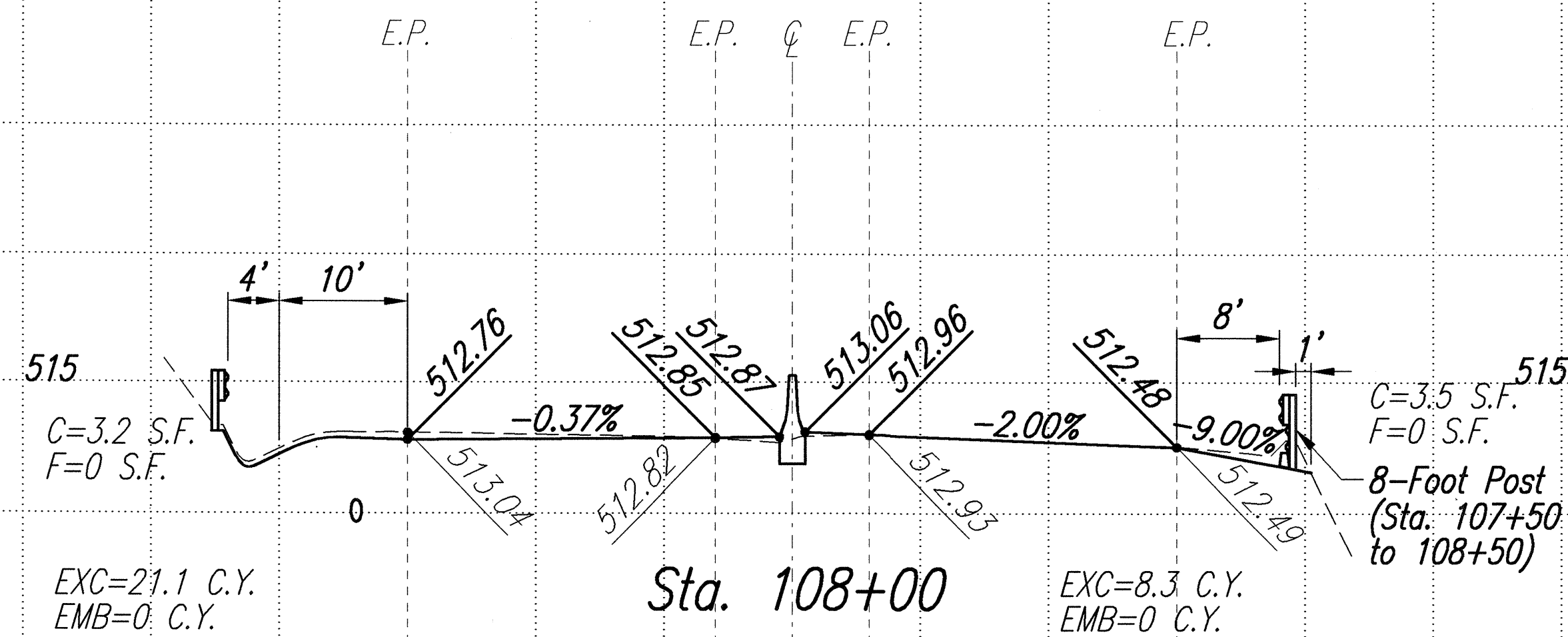
Alan Y. Tomita

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY CROSS SECTIONS
STA. 89+00 TO STA. 96+00
LIKELIKE HIGHWAY RESURFACING
Emmeline Place to the Wilson Tunnel
F. A. Project No. CM-STP-063-1(21)
Scale: As Shown Date: December, 2001

SHEET No. 2 OF 21 SHEETS

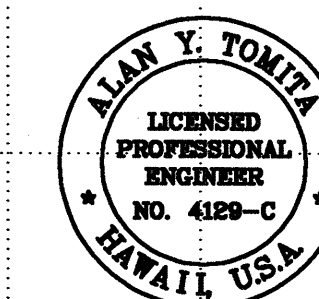
ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
No.	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CM-STP-063-1(21)	2002	52	187



ROADWAY CROSS SECTIONS

Scales: HORIZ 1"=10'
VERT 1"=5'

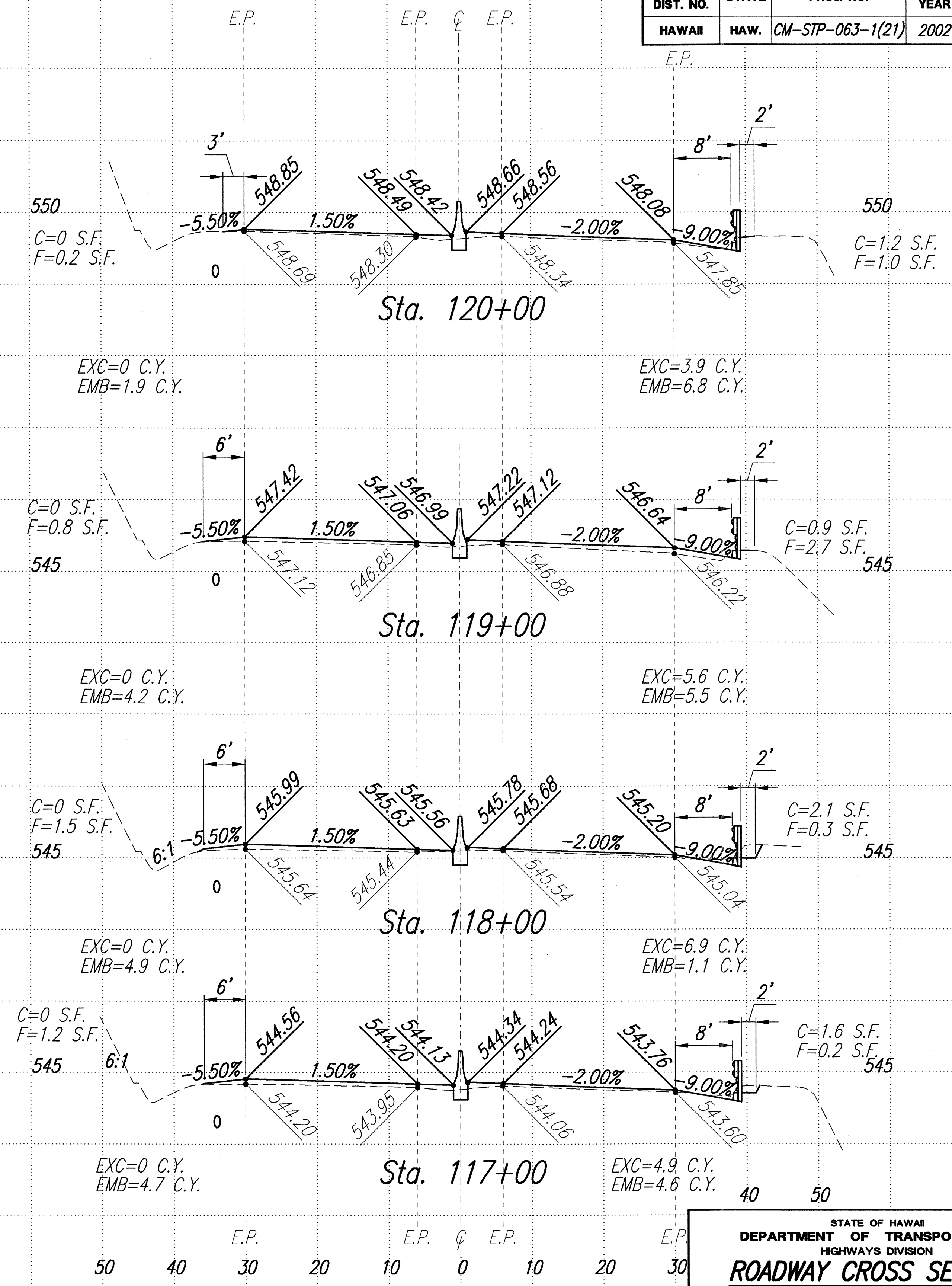
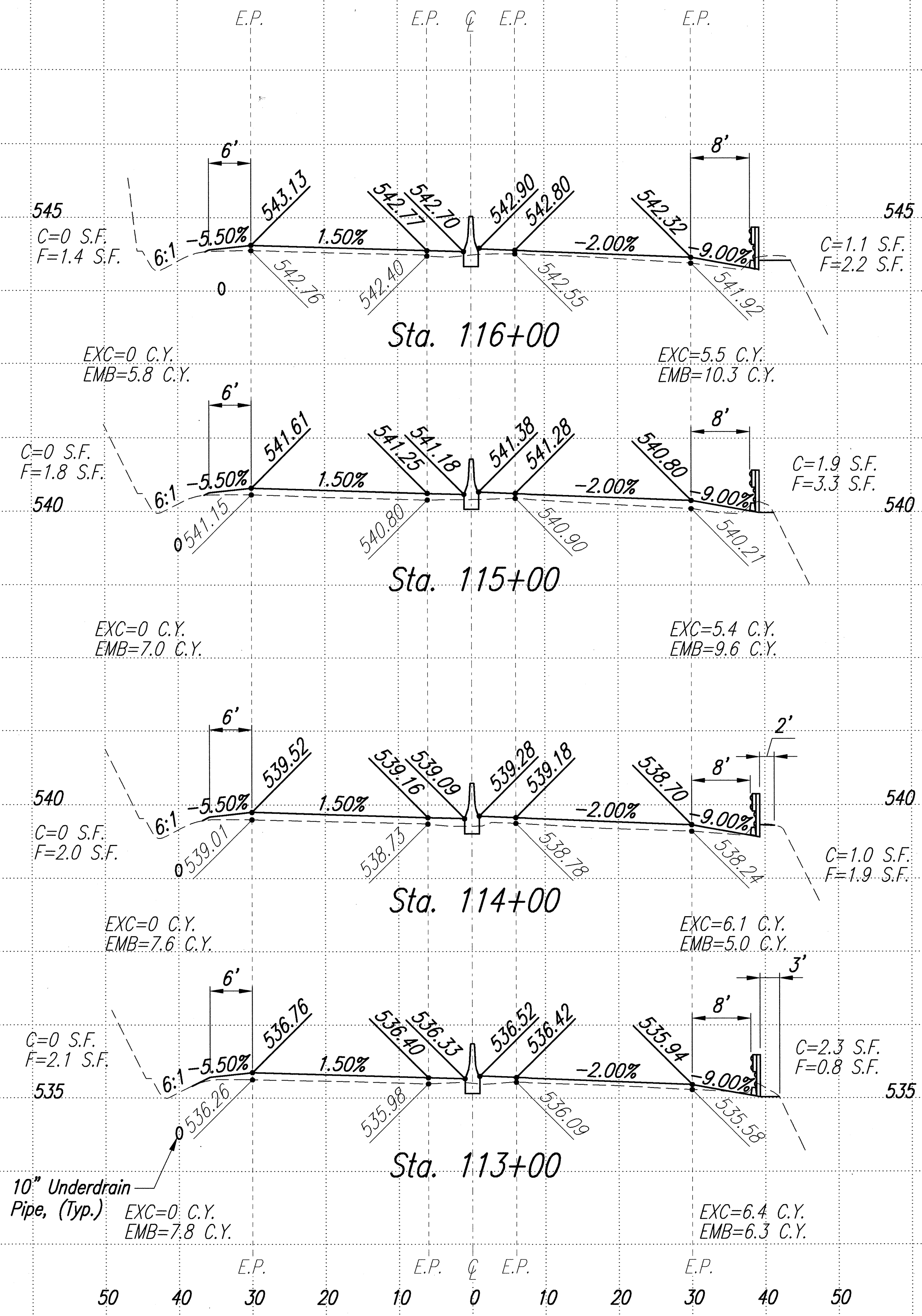


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Alan Y. Tomita

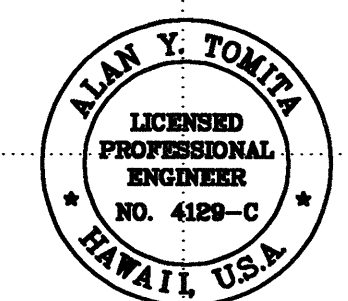
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY CROSS SECTIONS
STA. 105+00 TO STA 112+00
LIKELIKE HIGHWAY RESURFACING
Emmeline Place to the Wilson Tunnel
F. A. Project No. CM-STP-063-1(21)
Scale: As Shown Date: December, 2001
SHEET No. 4 OF 21 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CM-STP-063-1(21)	2002	53	187



SURVEY PLOTTED BY	DATE
DESIGNED BY	
NOTED BY	
CHECKED BY	
NO.	

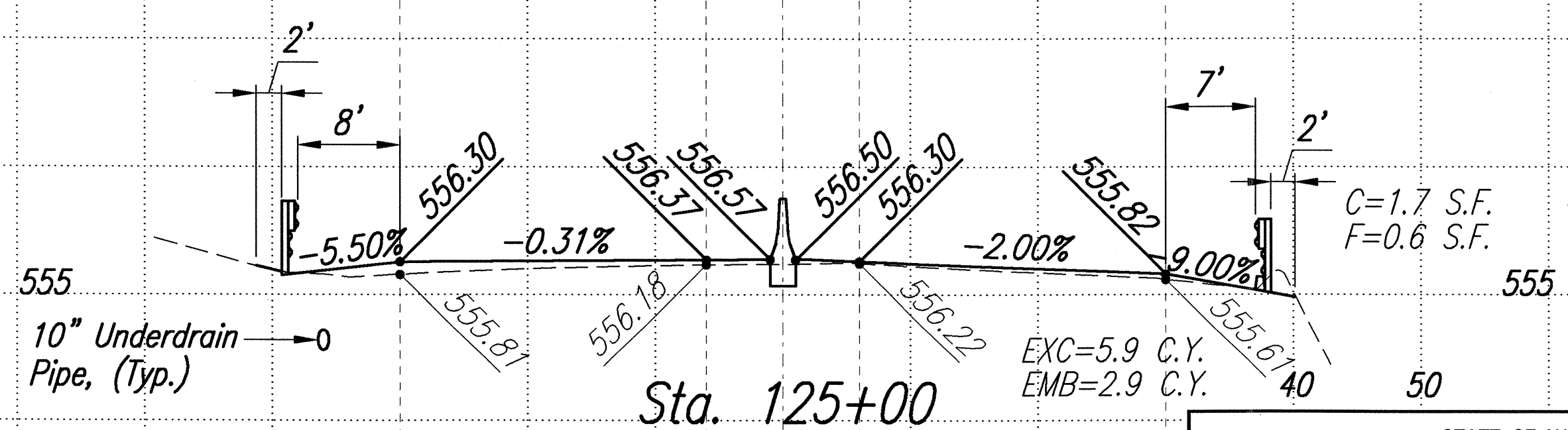
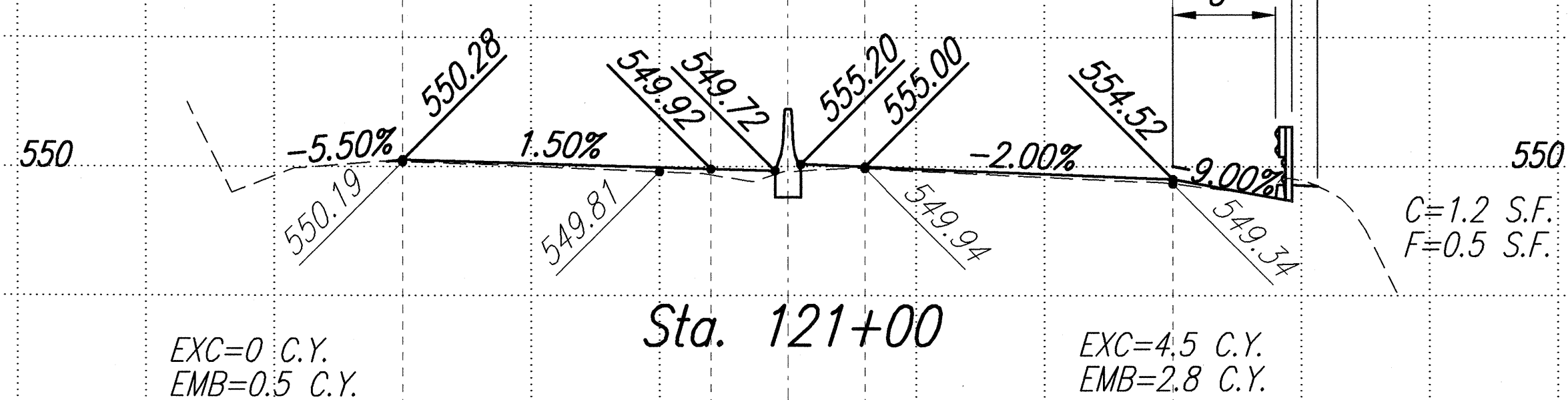
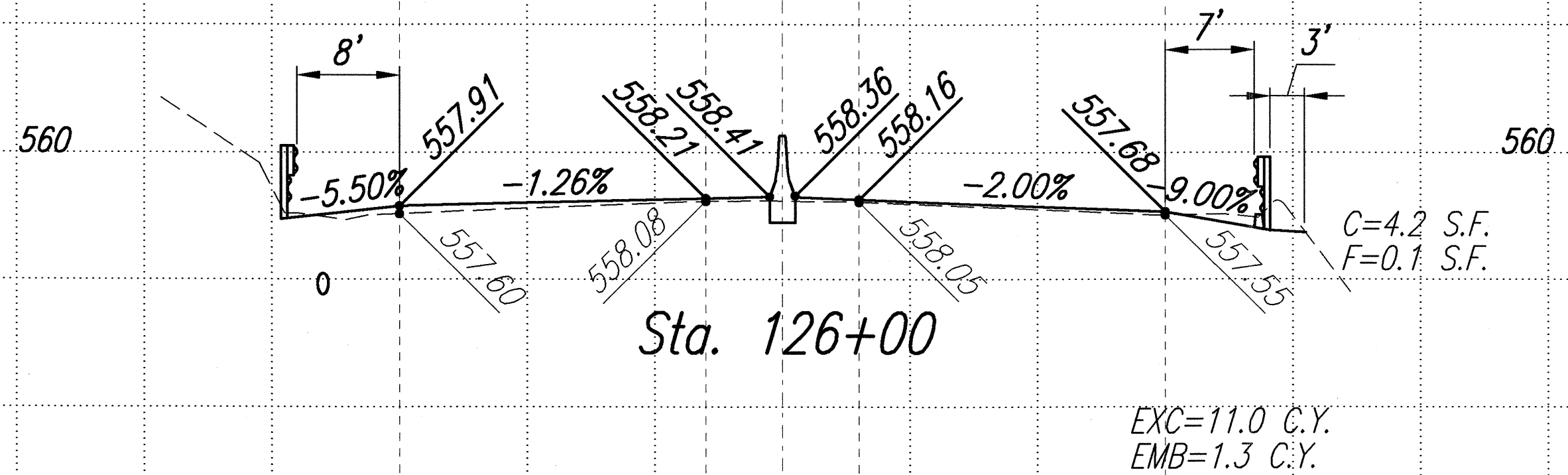
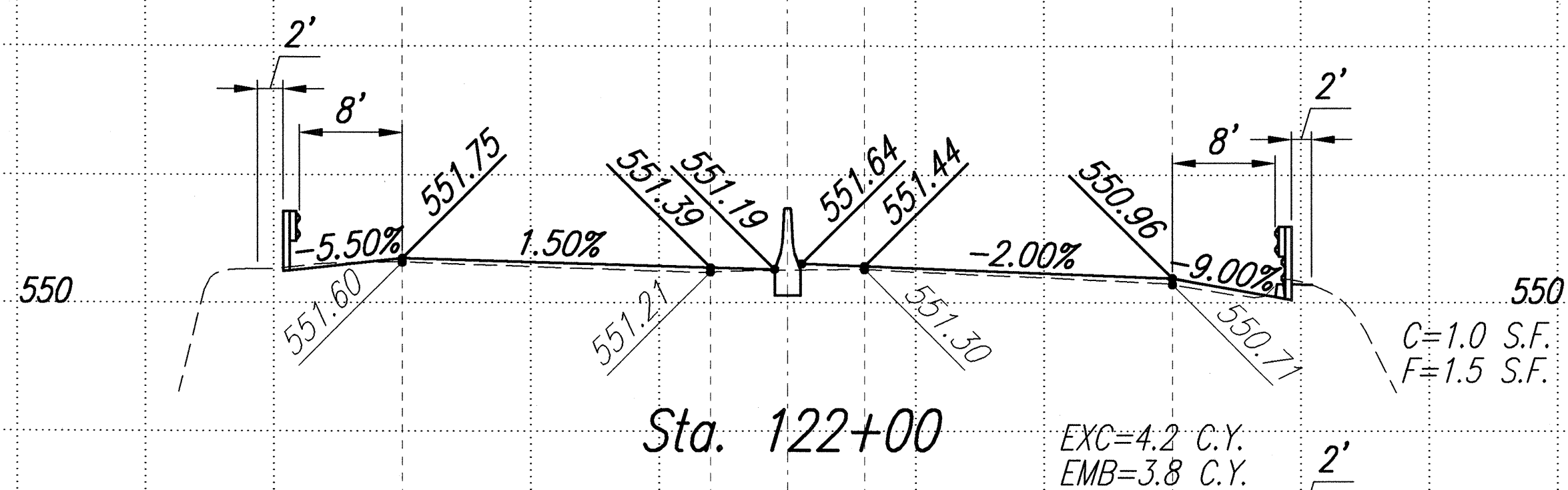
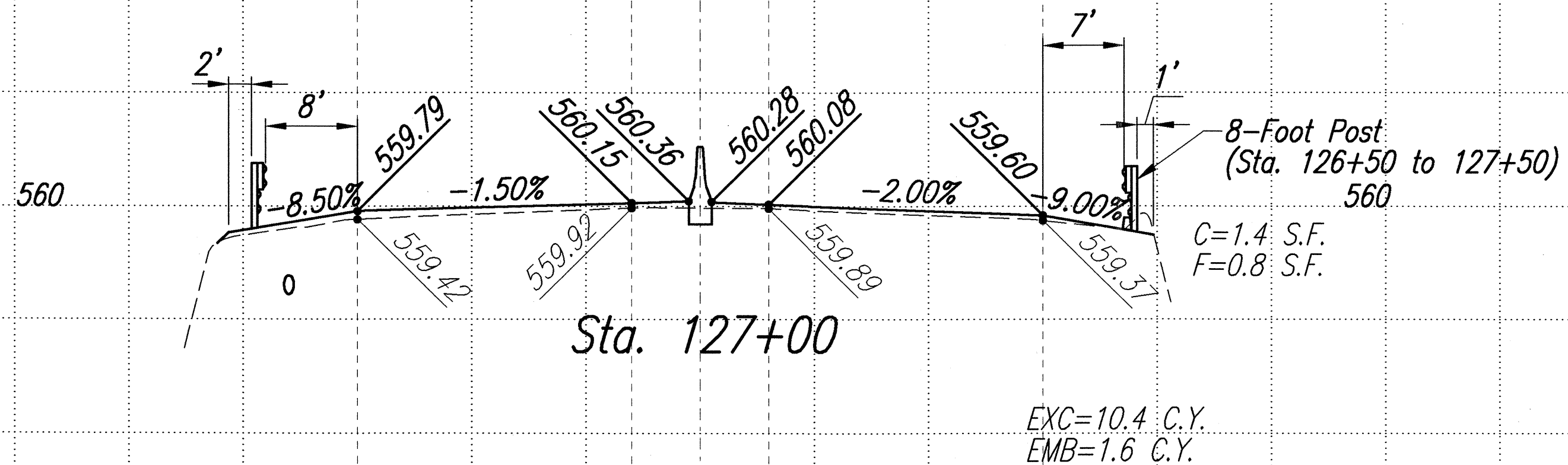
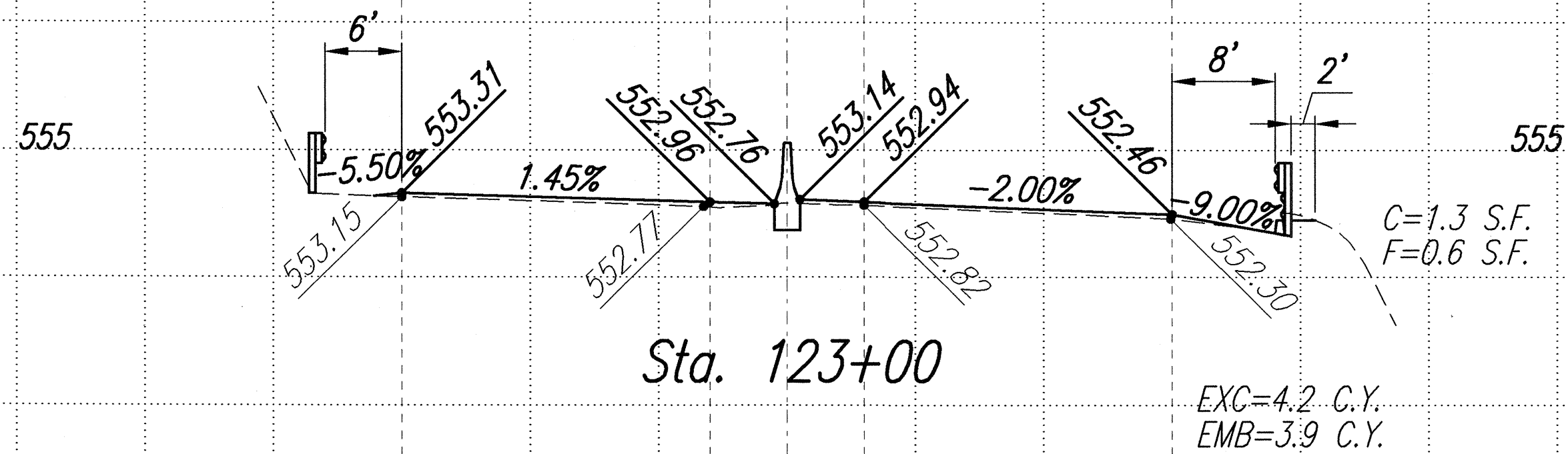
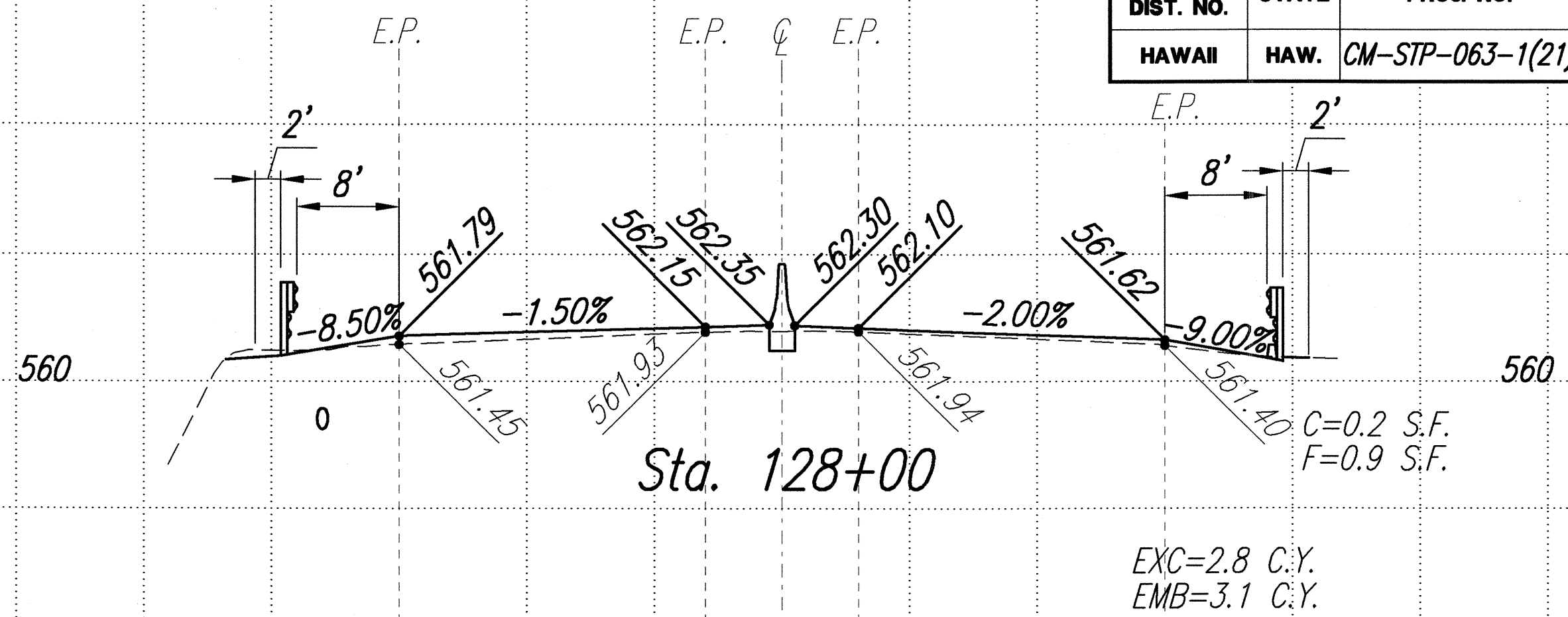
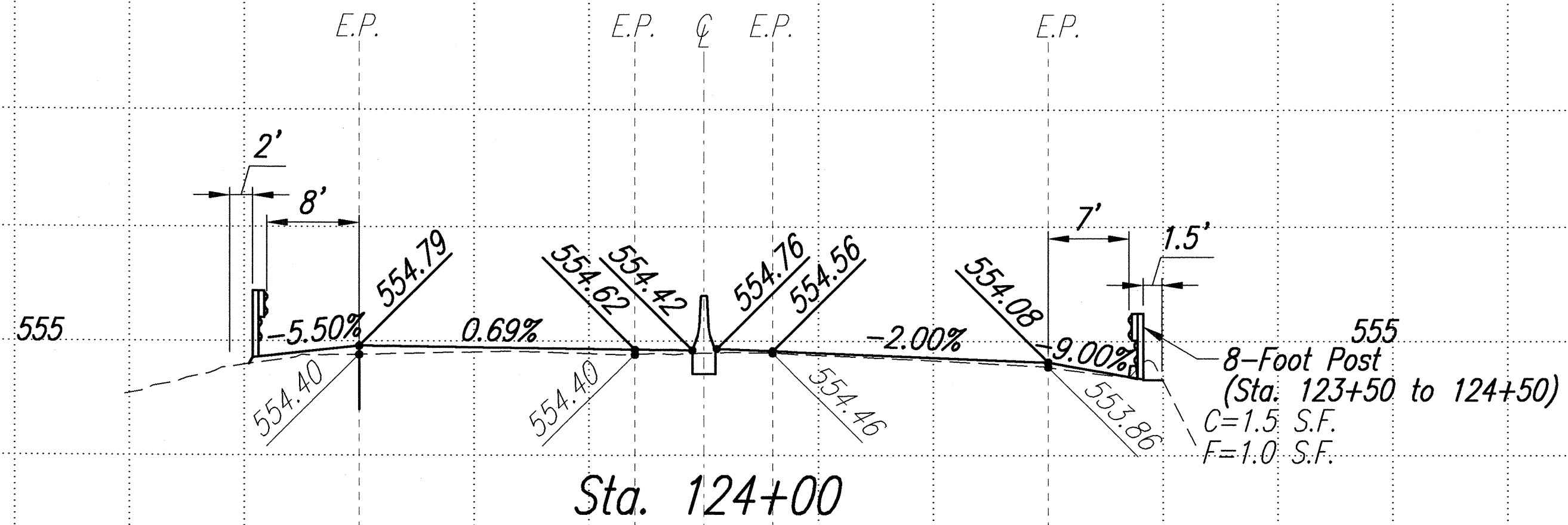
ROADWAY CROSS SECTIONS
 Scales: HORIZ 1"=10'
 VERT 1"=5'



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 OR UNDER MY SUPERVISION.
Alan Y. Tomita

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
ROADWAY CROSS SECTIONS
STA. 113+00 TO STA. 120+00
 LIKELIKE HIGHWAY RESURFACING
 Emmeline Place to the Wilson Tunnel/
 F. A. Project No. CM-STP-063-1(21)
 Scale: As Shown Date: December, 2001
 SHEET No. 5 OF 21 SHEETS

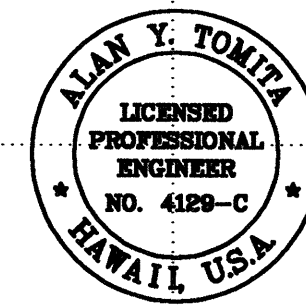
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CM-STP-063-1(21)	2002	54	187



SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
No.	

ROADWAY CROSS SECTIONS

Scales: HORIZ 1"=10'
VERT 1"=5'



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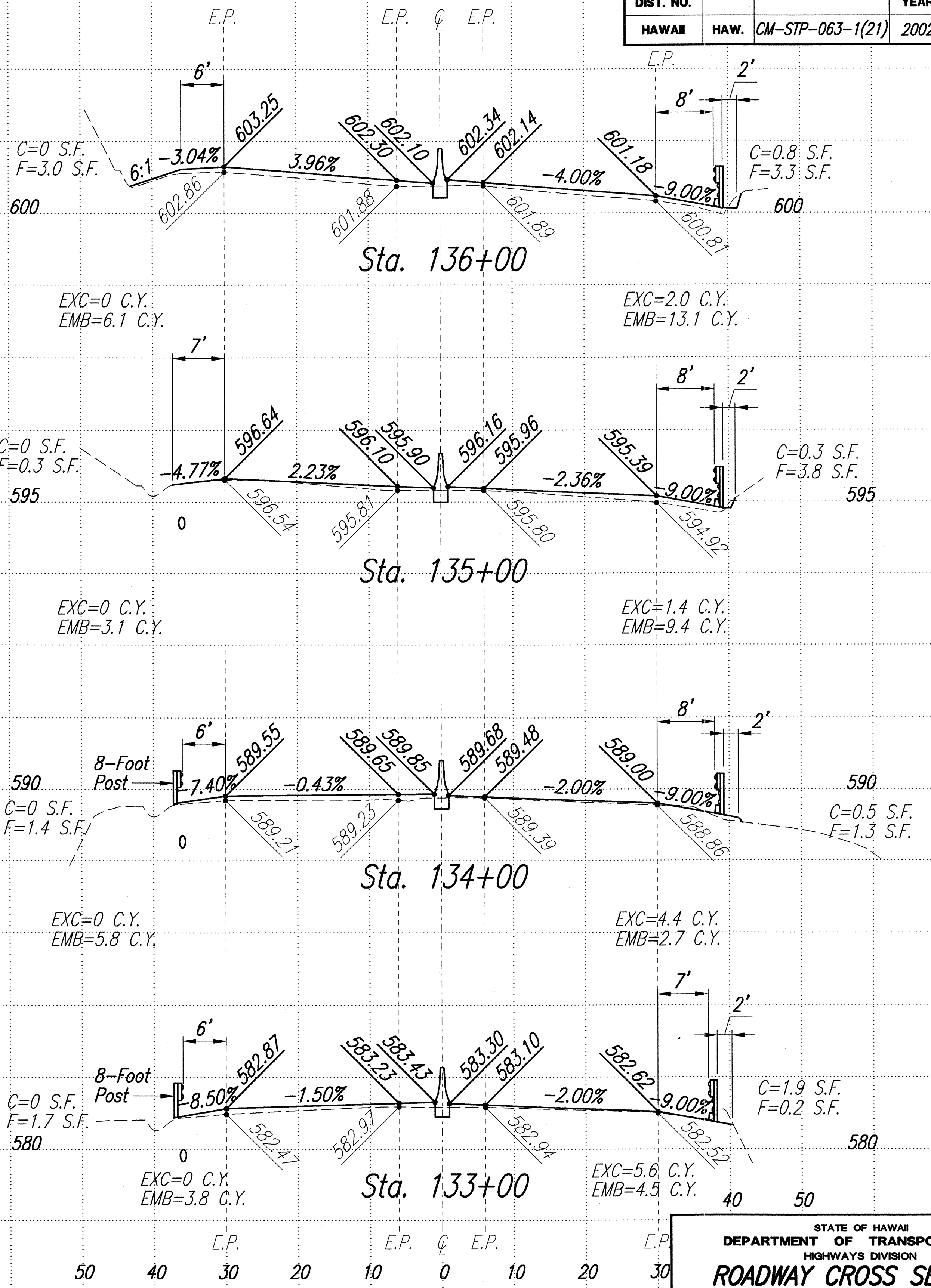
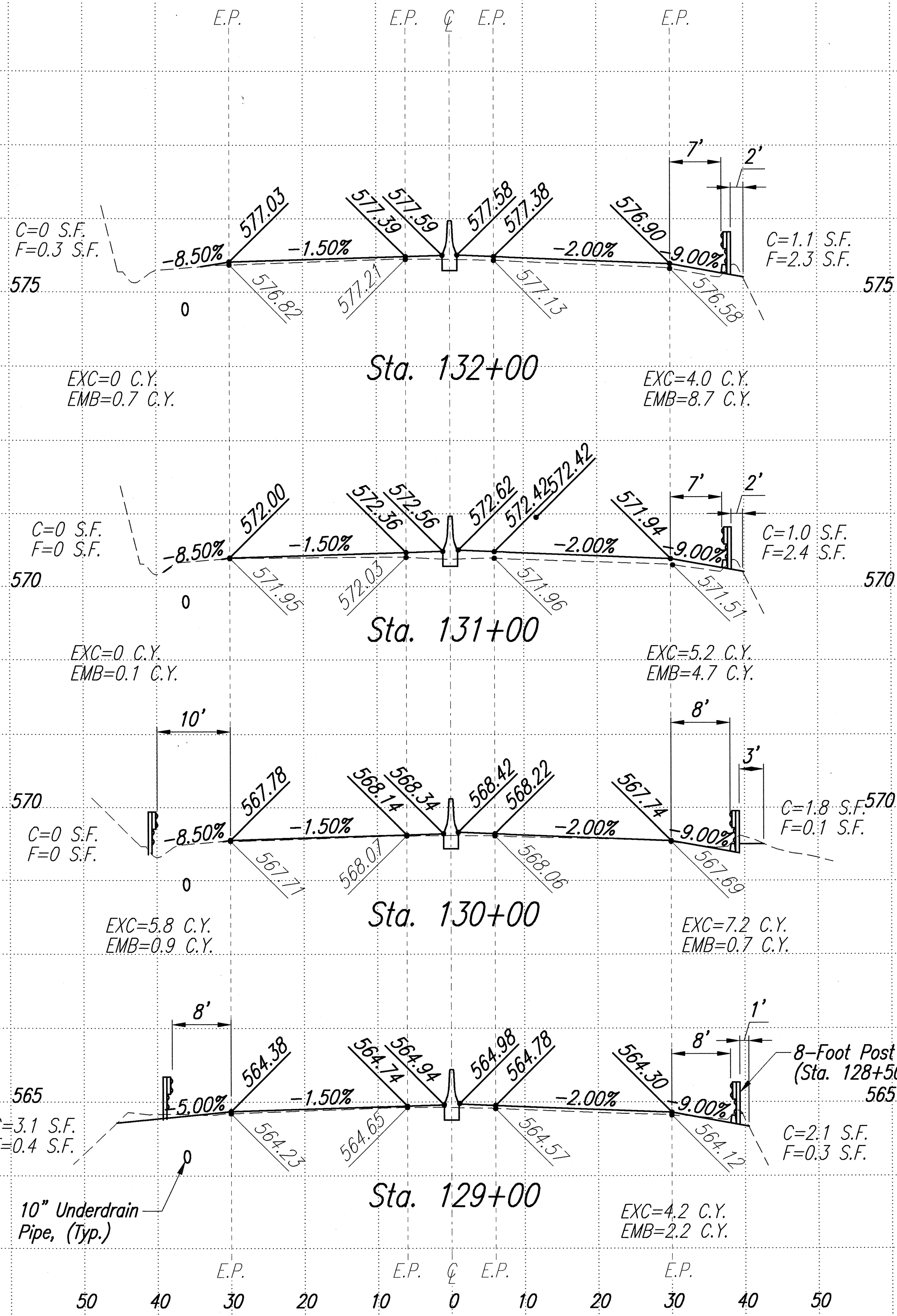
Alan Y. Tomita

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY CROSS SECTIONS
STA. 121+00 TO STA 128+00
LIKELIKE HIGHWAY RESURFACING
Emmeline Place to the Wilson Tunnel
F. A. Project No. CM-STP-063-1(21)

Scale: As Shown Date: December, 2001

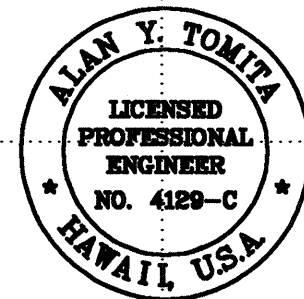
SHEET No. 6 OF 21 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CM-STP-063-1(21)	2002	55	187



SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NO.	

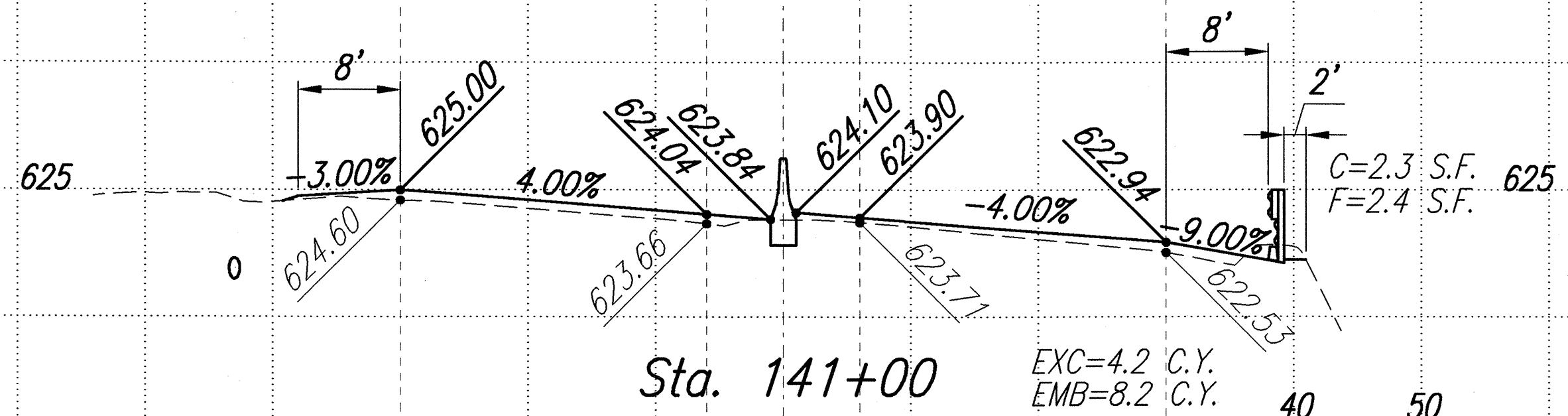
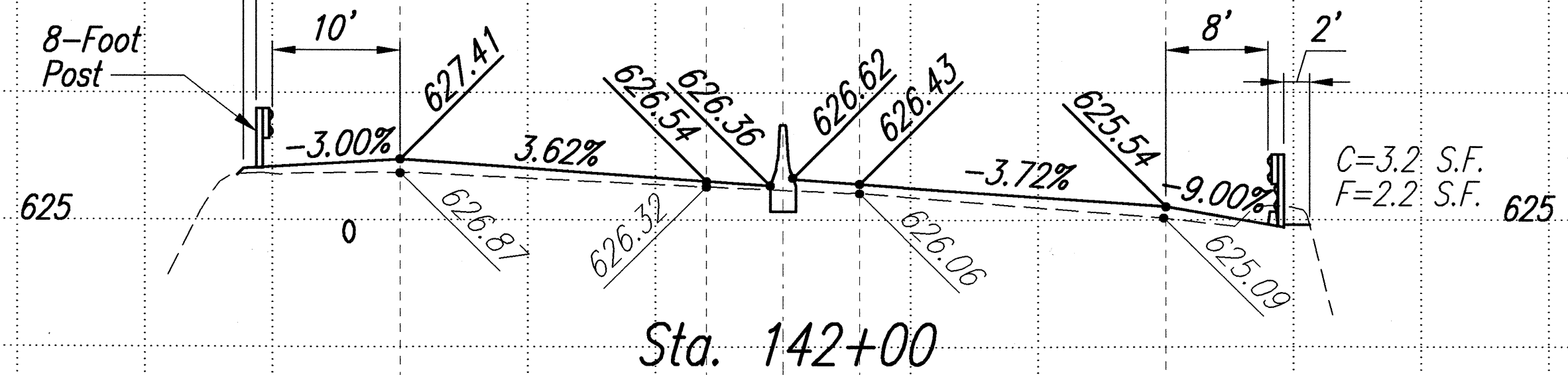
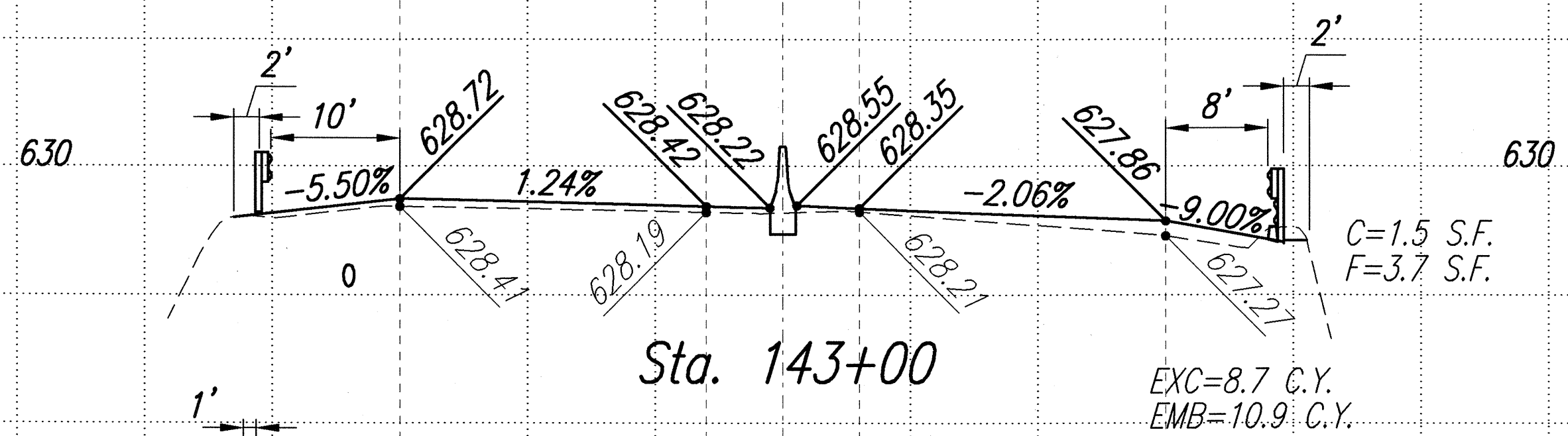
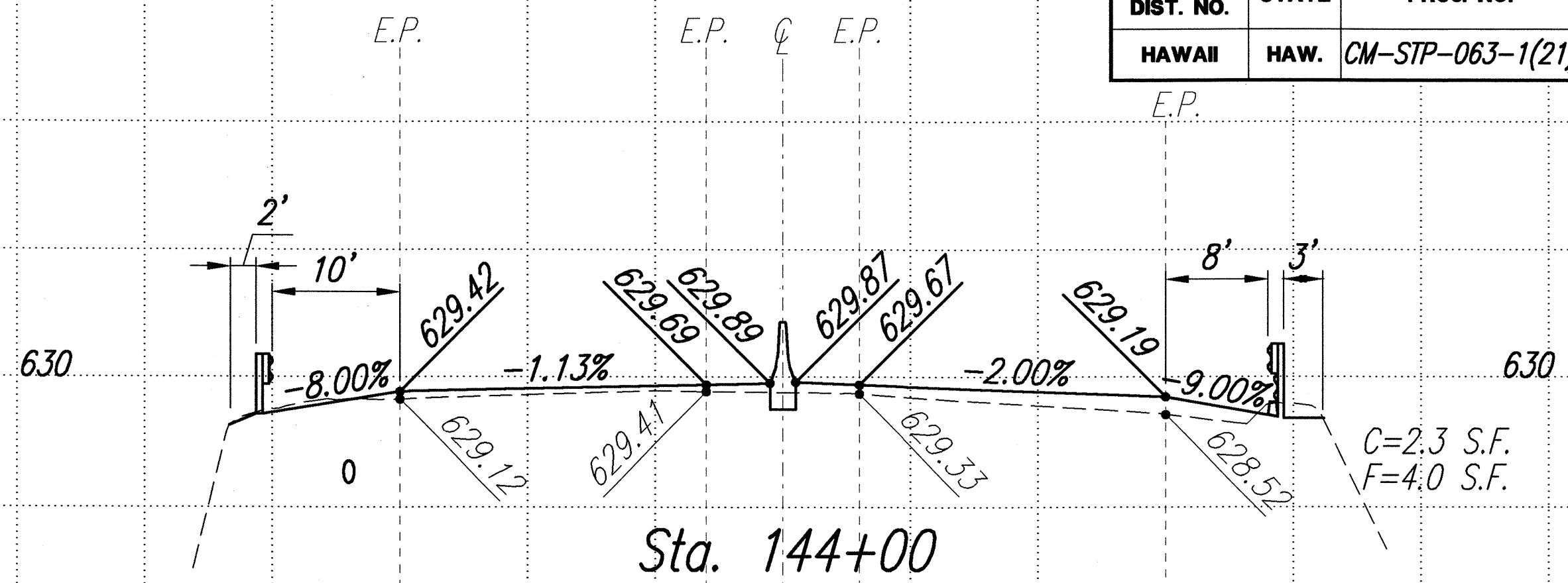
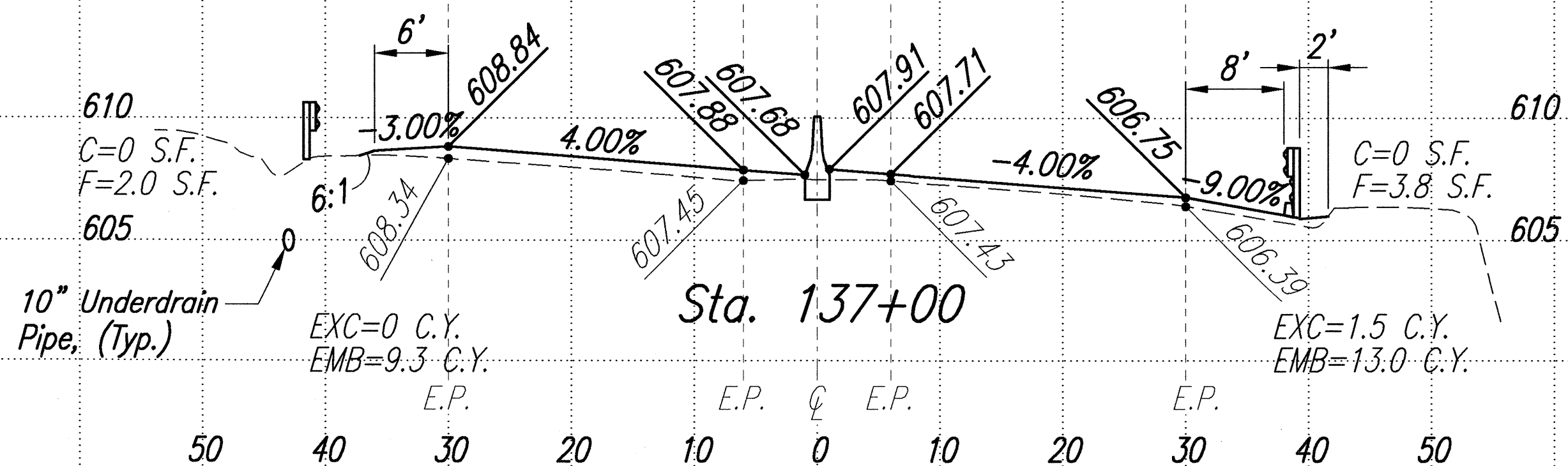
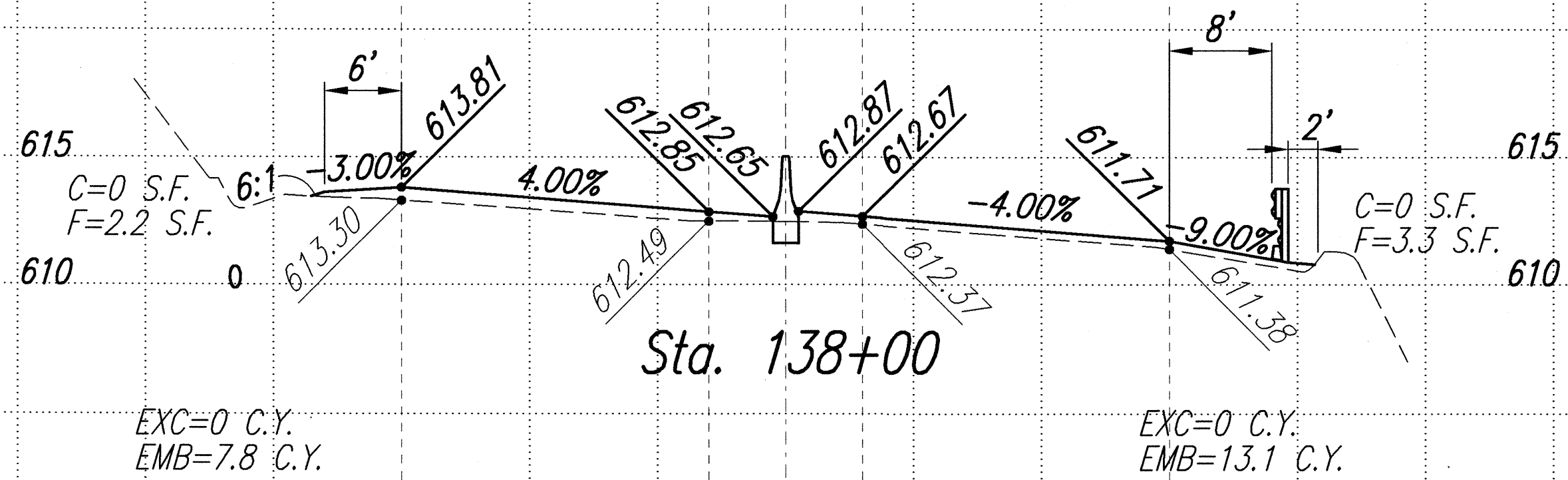
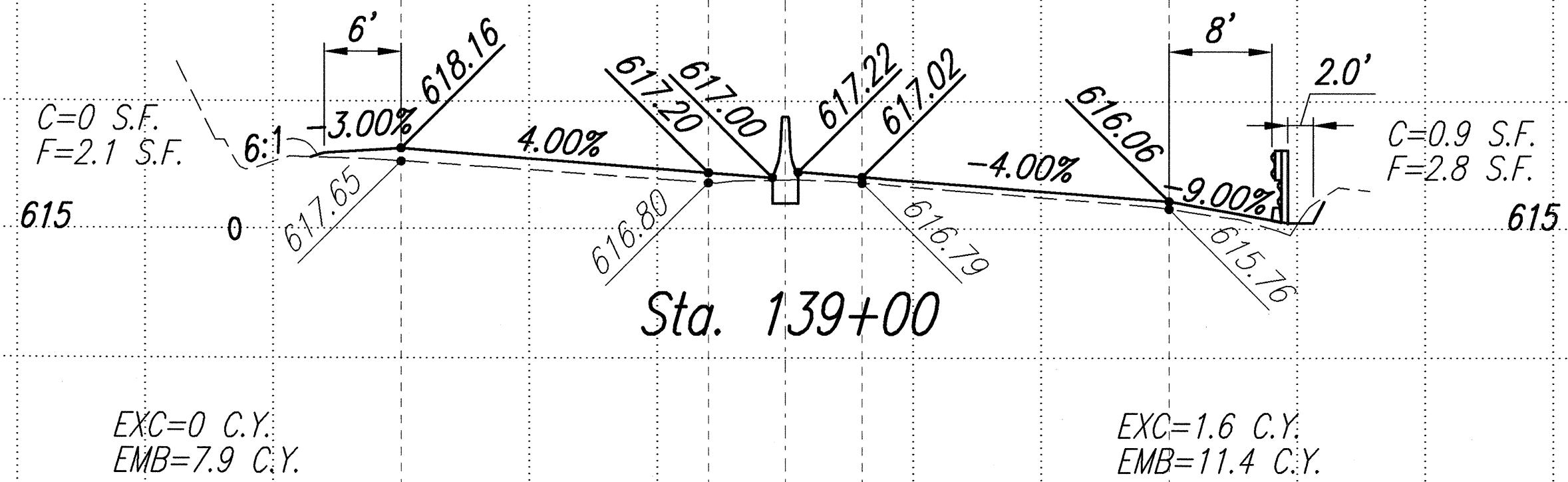
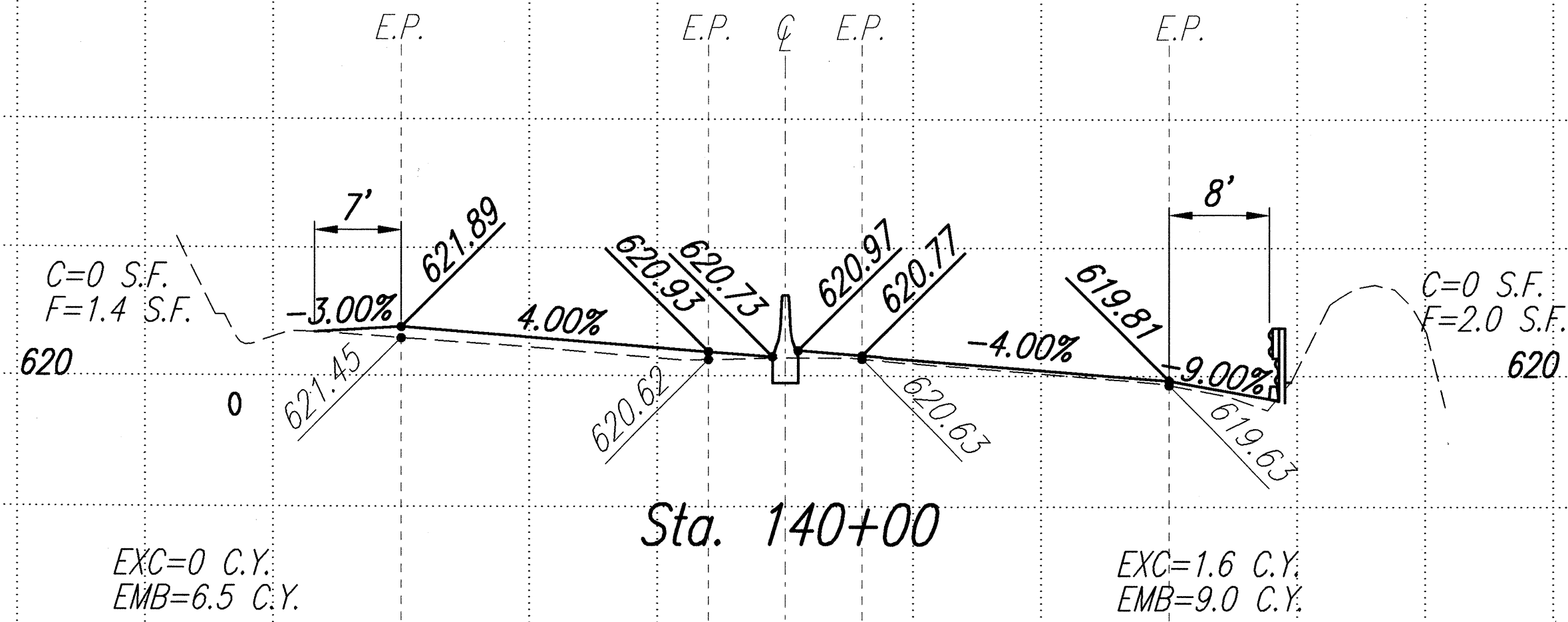
ROADWAY CROSS SECTIONS Scales: HORIZ 1"=10' VERT 1"=5'



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 OR UNDER MY SUPERVISION:
 Alan Y. Tomita

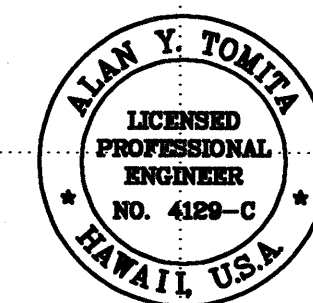
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
ROADWAY CROSS SECTIONS
STA. 129+00 TO STA 136+00
 LIKEHIGHWAY RESURFACING
 Emmeline Place to the Wilson Tunnel/
 F. A. Project No. CM-STP-063-1(21)
 Scale: As Shown Date: December, 2001
 SHEET No. 7 OF 21 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CM-STP-063-1(21)	2002	56	187



ROADWAY CROSS SECTIONS

Scales: HORIZ 1"=10'
VERT 1"=5'

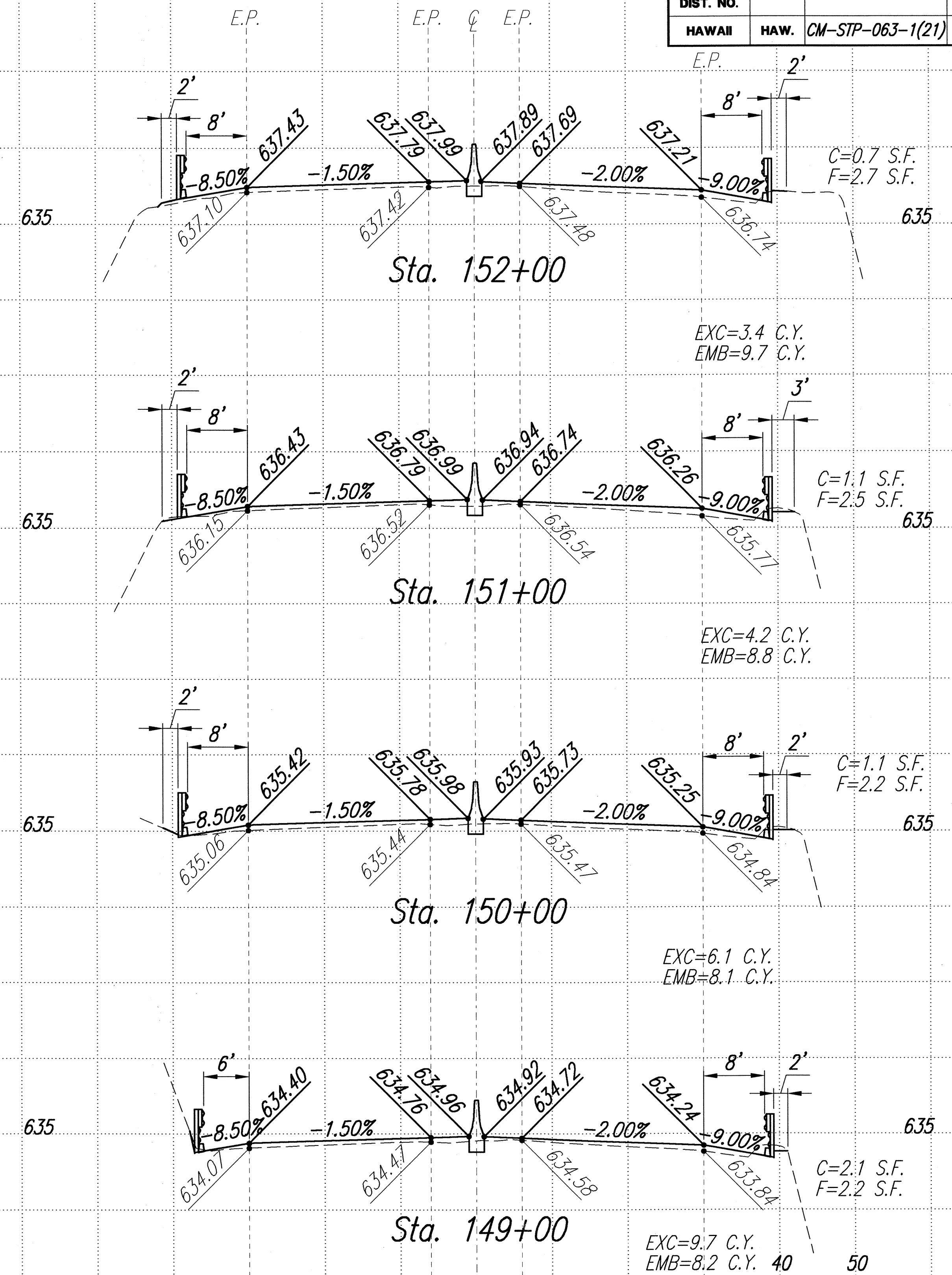
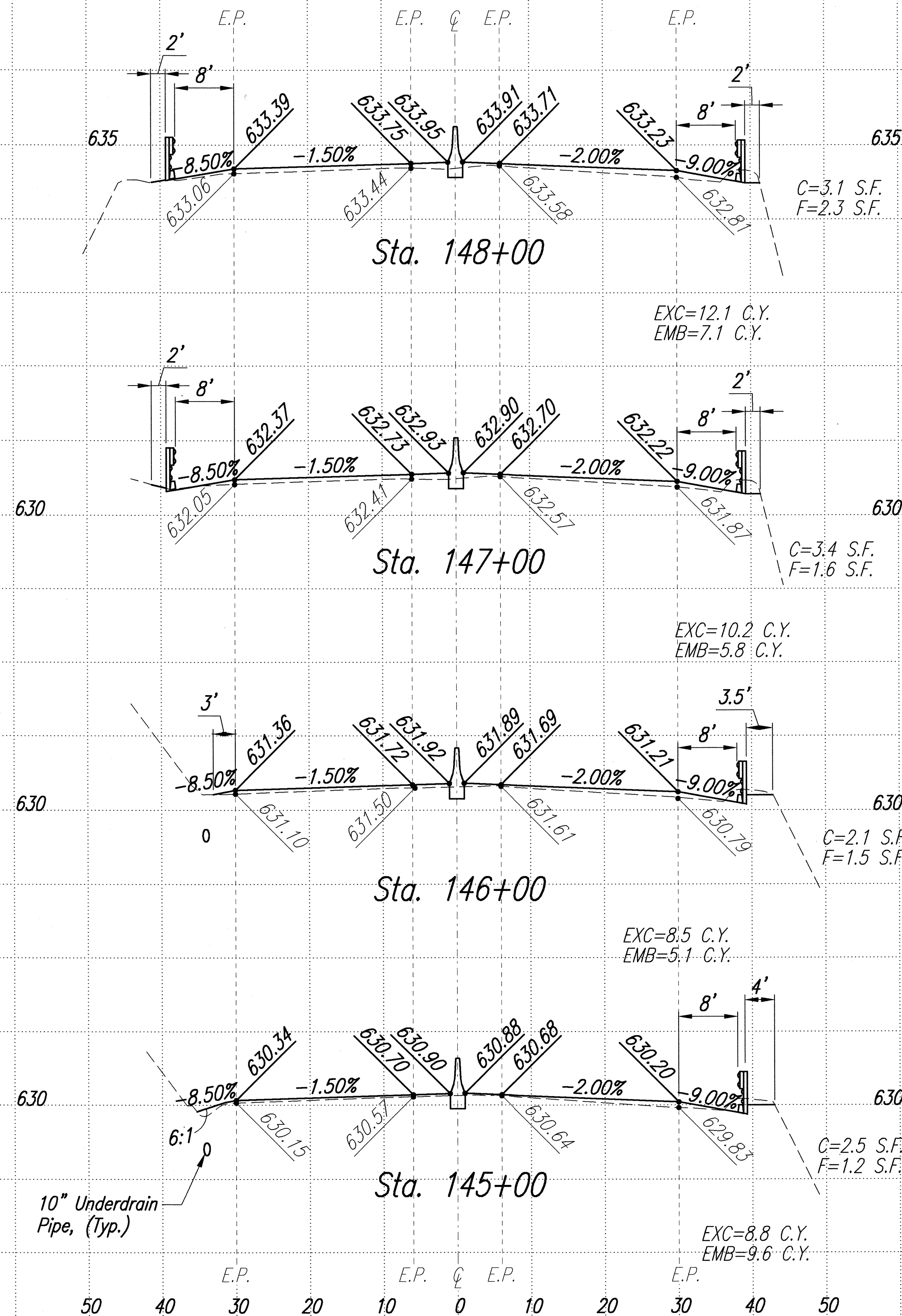


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Alan Y. Tomita

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY CROSS SECTIONS
STA. 137+00 TO STA 144+00
LIKELIKE HIGHWAY RESURFACING
Emmeline Place to the Wilson Tunnel
F. A. Project No. CM-STP-063-1(21)
Scale: As Shown Date: December, 2001
SHEET No. 8 OF 21 SHEETS

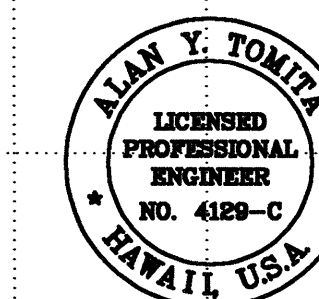
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CM-STP-063-1(21)	2002	57	187



ORIGINAL PLAN	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
No.	

ROADWAY CROSS SECTIONS

Scales: HORIZ 1"=10'
 VERT 1"=5'

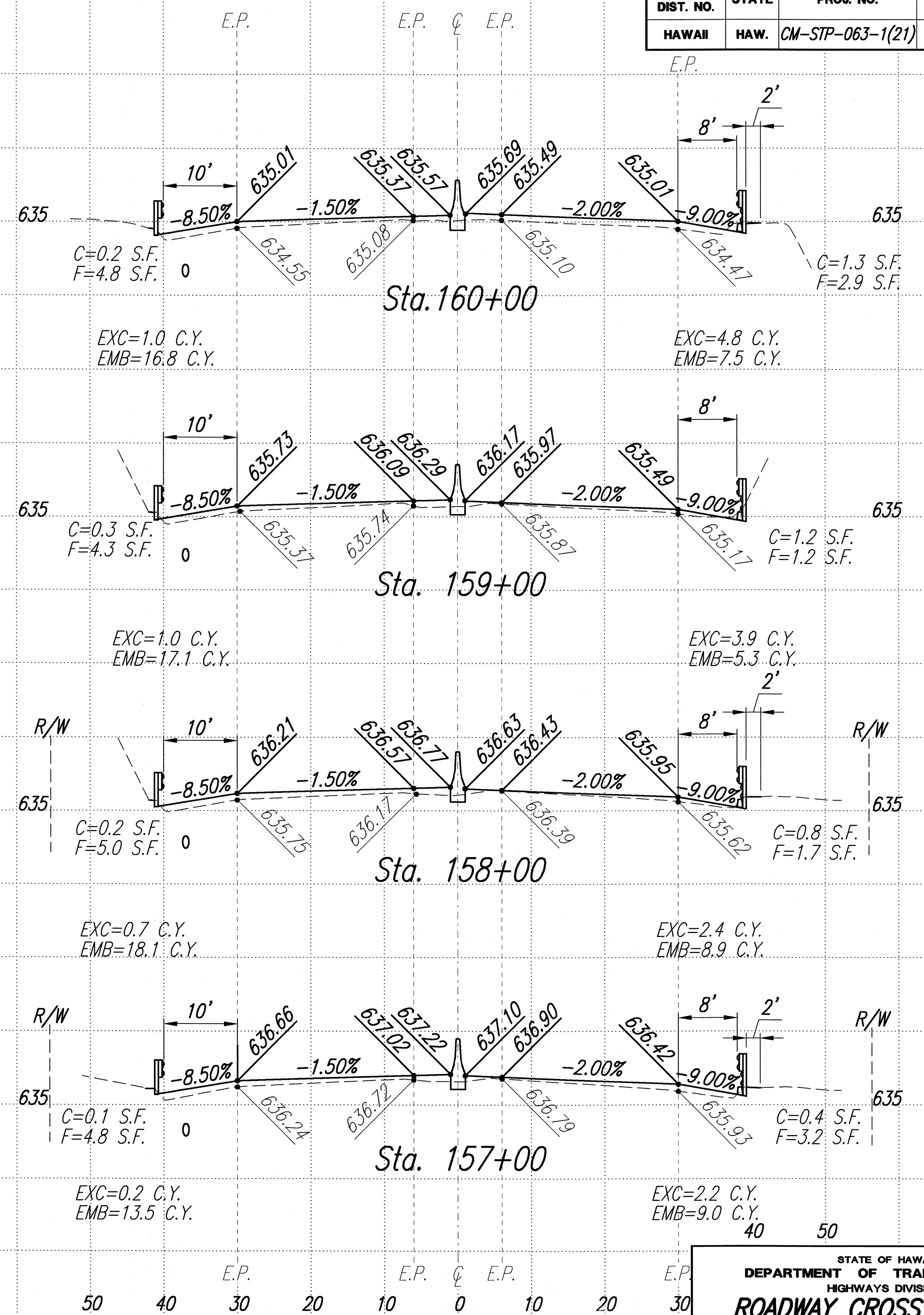
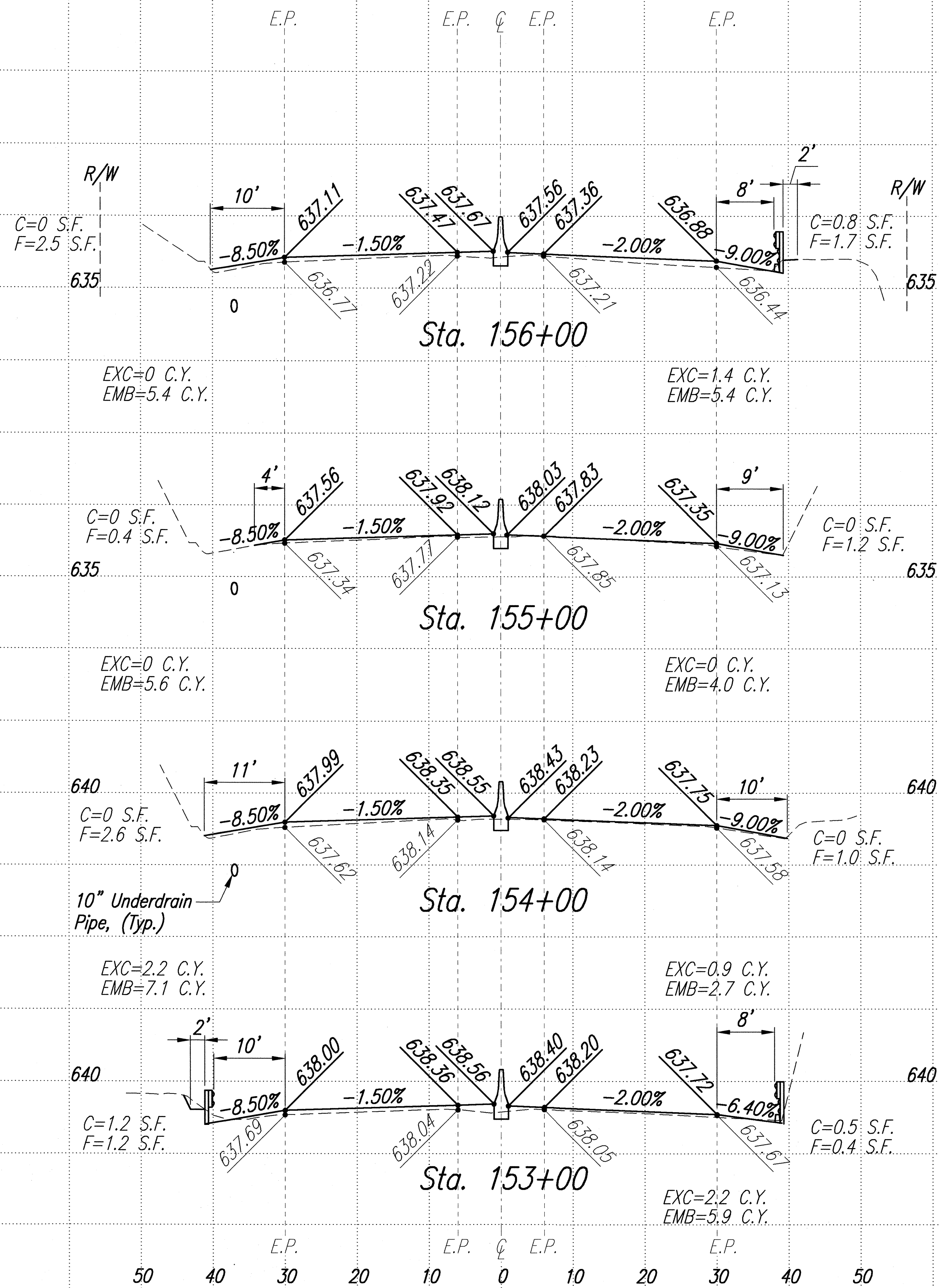


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 OR UNDER MY SUPERVISION:

Alan Y. Tompa

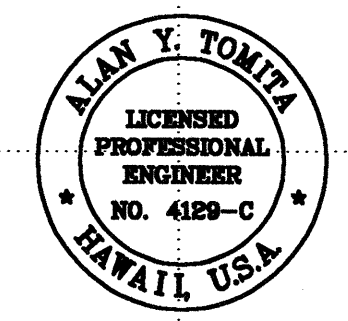
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
ROADWAY CROSS SECTIONS
STA. 145+00 TO STA 152+00
LIKELIKE HIGHWAY RESURFACING
Emmeline Place to the Wilson Tunnel
F. A. Project No. CM-STP-063-1(21)
 Scale: As Shown Date: December, 2001
 SHEET No. 9 OF 21 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CM-STP-063-1(21)	2002	58	187



SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
No.	

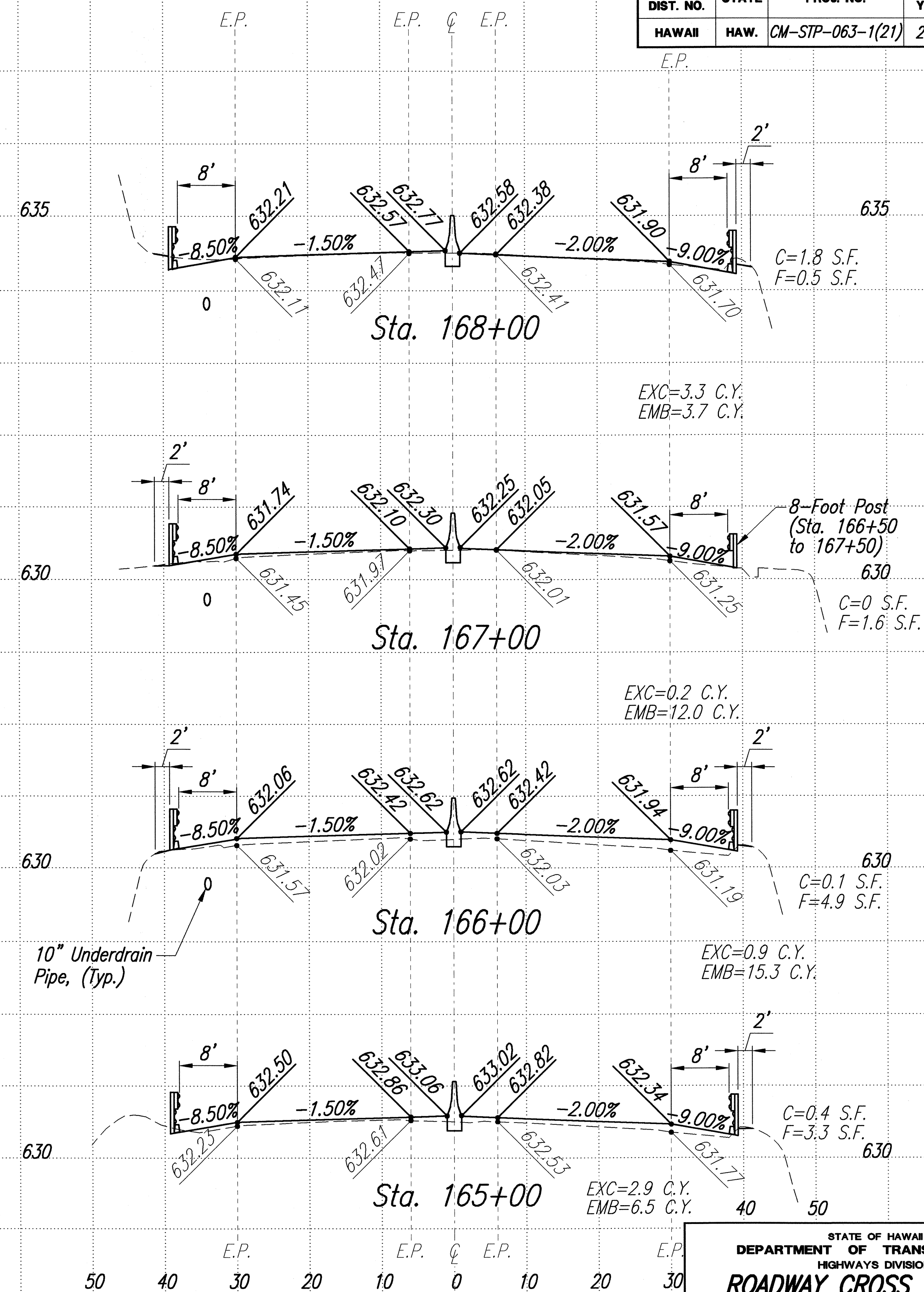
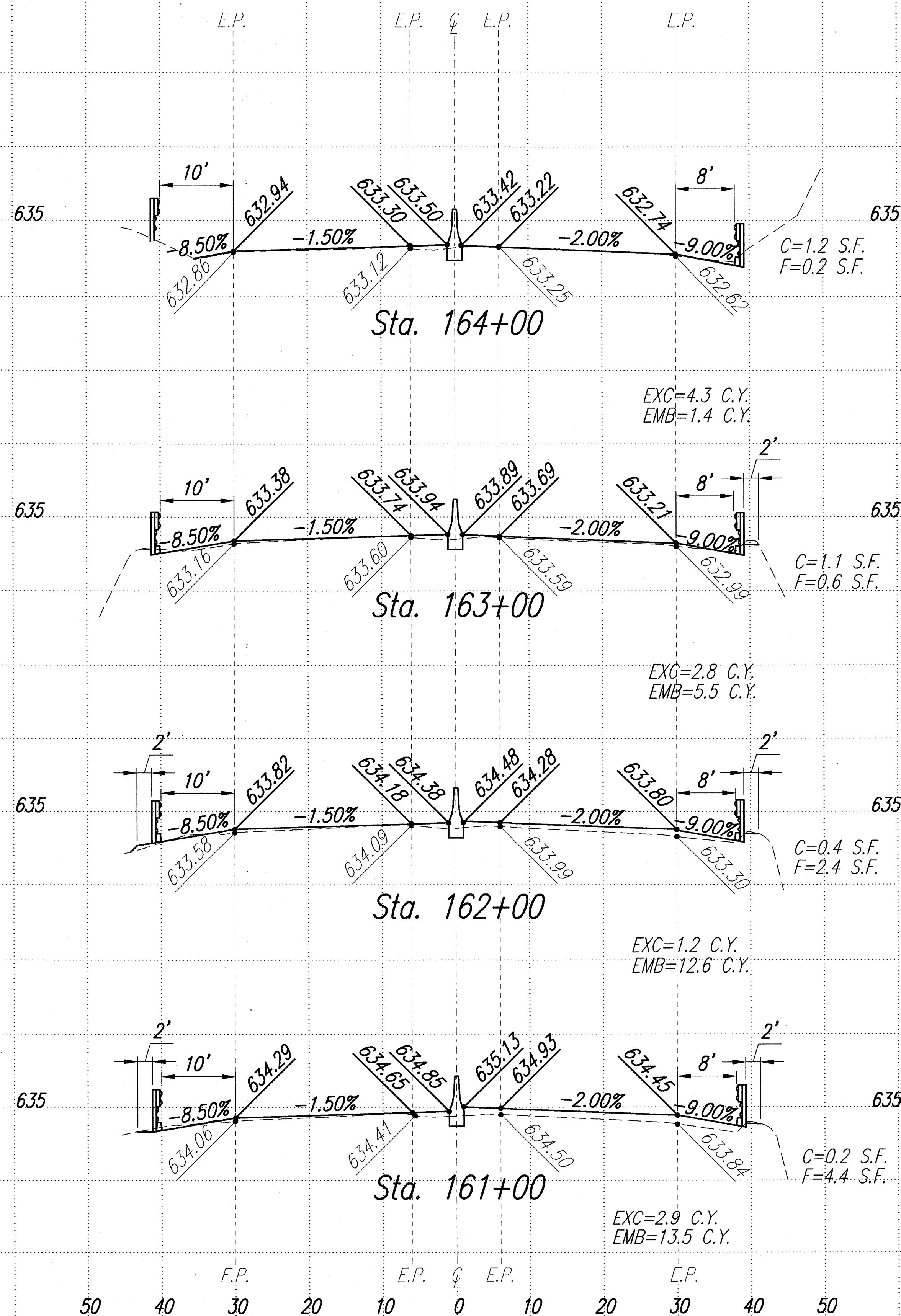
ROADWAY CROSS SECTIONS
 Scales: HORIZ 1"=10'
 VERT 1"=5'



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 OR UNDER MY SUPERVISION:
 Alan Y. Tomita

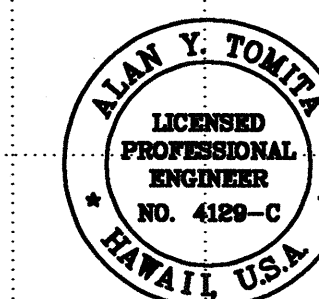
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
ROADWAY CROSS SECTIONS
STA. 153+00 TO STA. 160+00
 LIKELIKE HIGHWAY RESURFACING
 Emmeline Place to the Wilson Tunnel/
 F. A. Project No. CM-STP-063-1(21)
 Scale: As Shown Date: December, 2001
 SHEET No. 10 OF 21 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CM-STP-063-1(21)	2002	59	187



ROADWAY CROSS SECTIONS

Scales: HORIZ 1"=10'
VERT 1"=5'

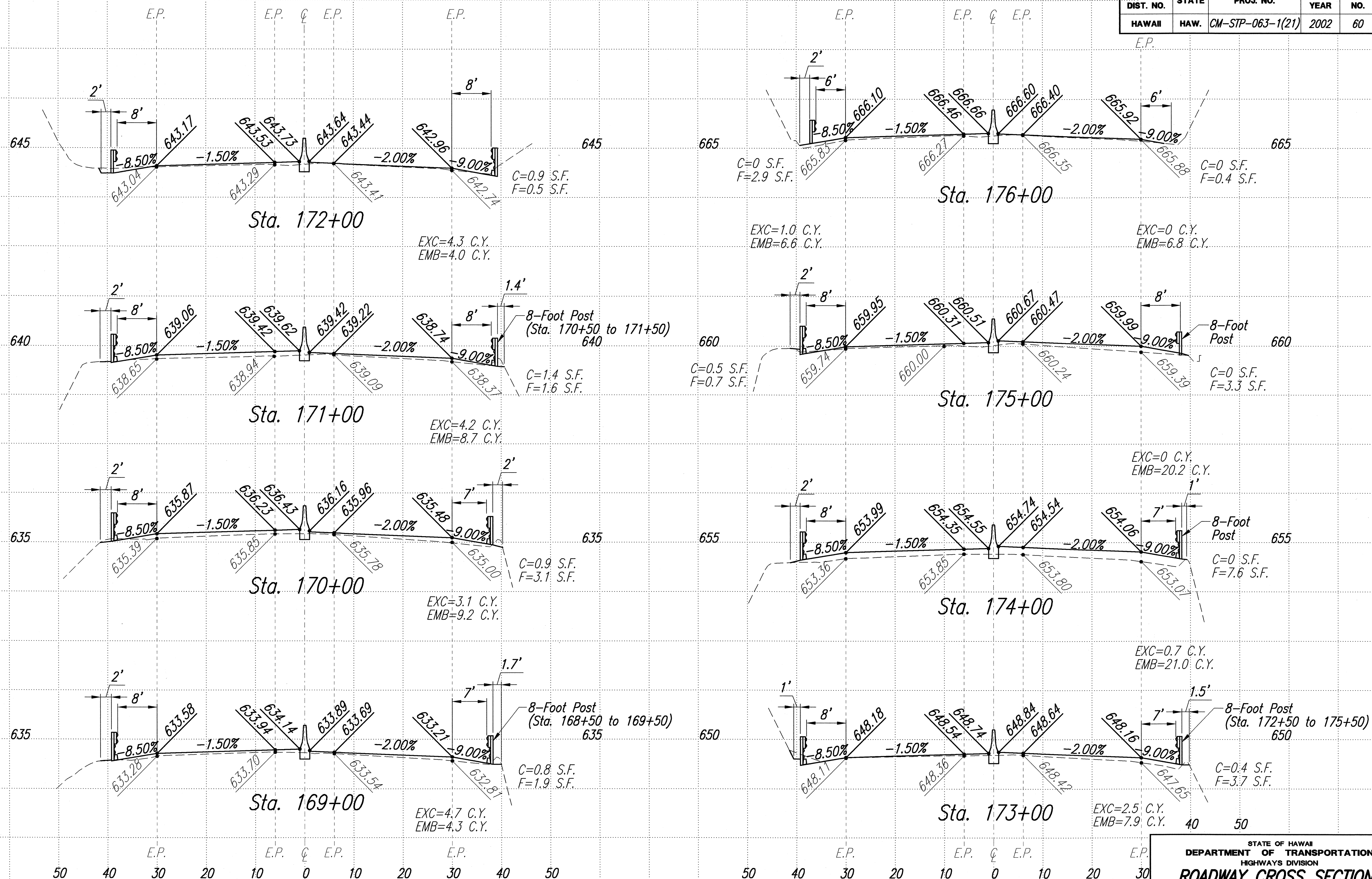


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OR UNDER MY SUPERVISION:

Alan Y. Tompa

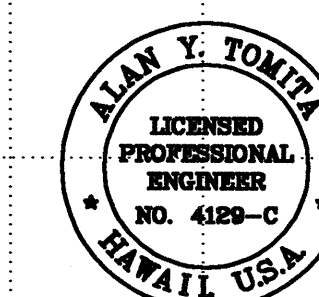
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY CROSS SECTIONS
STA. 161+00 TO STA 168+00
LIKELIKE HIGHWAY RESURFACING
Emmeline Place to the Wilson Tunnel
F. A. Project No. CM-STP-063-1(21)
Scale: As Shown Date: December, 2001
SHEET No. 11 OF 21 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CM-STP-063-1(21)	2002	60	187



ROADWAY CROSS SECTIONS

Scales: HORIZ 1"=10'
VERT 1"=5'



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OR UNDER MY SUPERVISION

Alan Y. Tompa

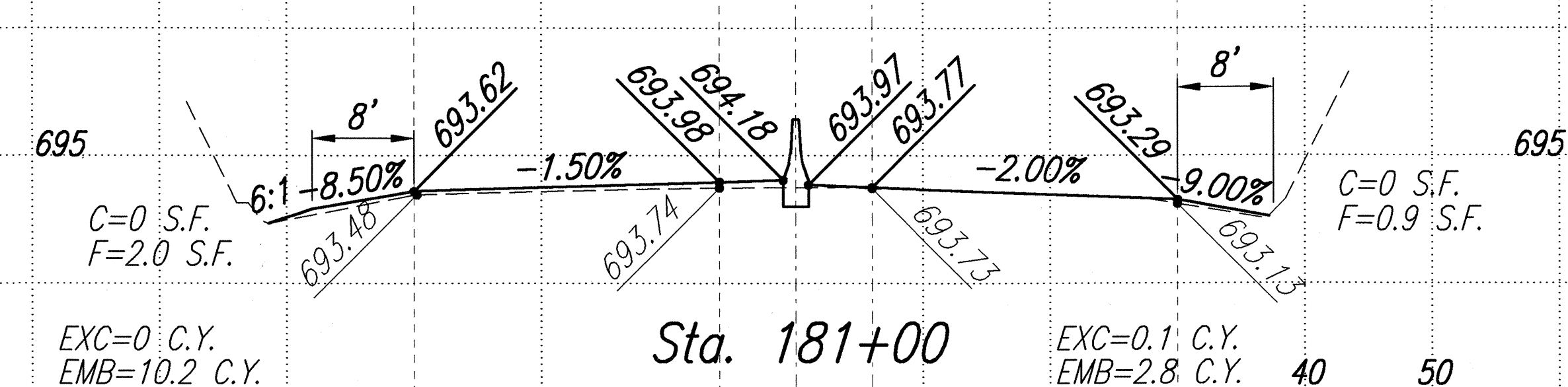
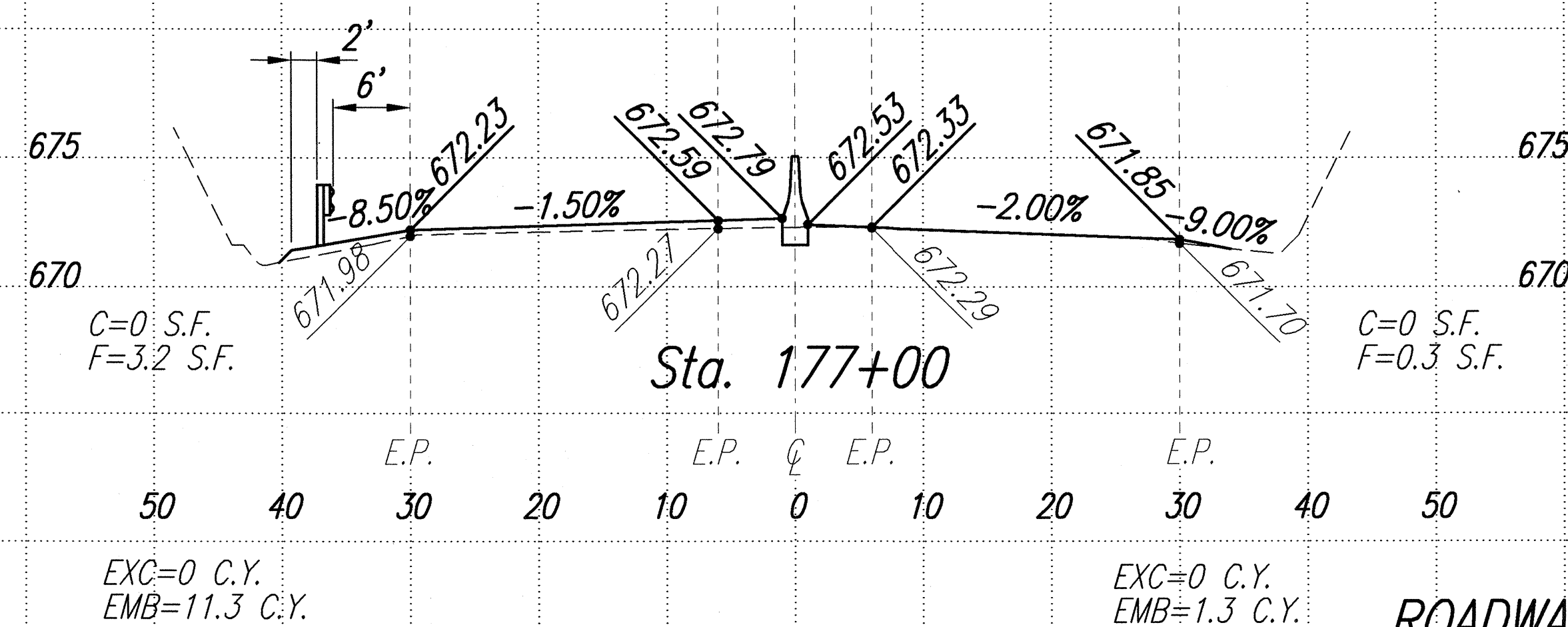
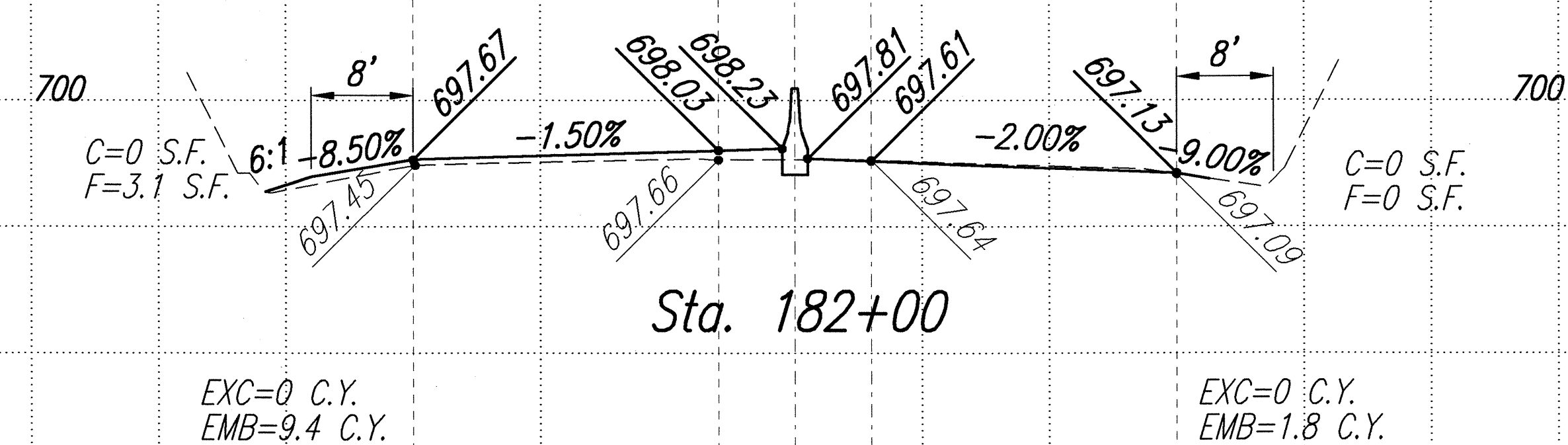
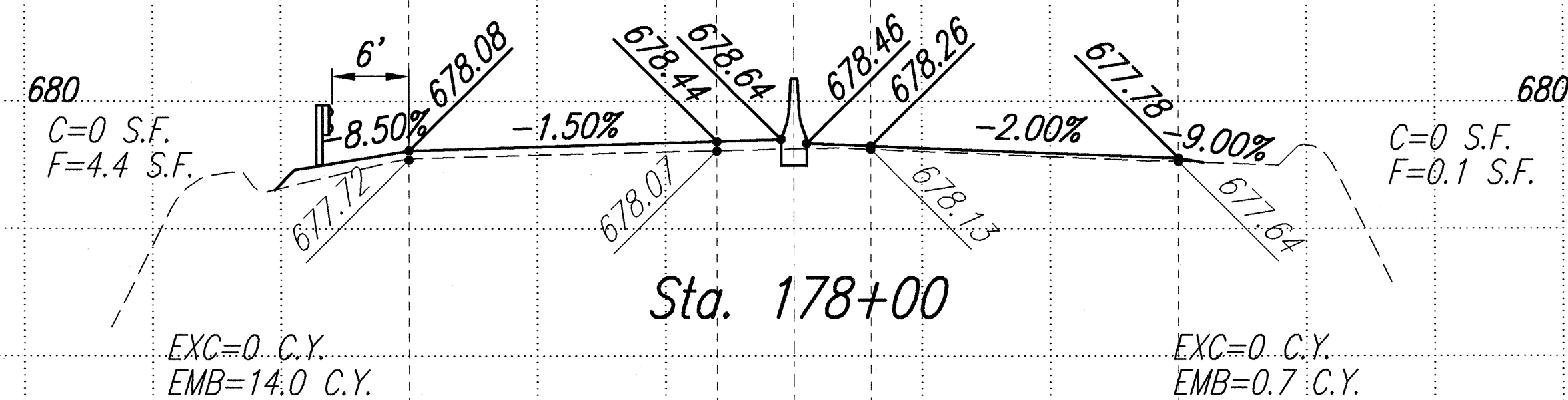
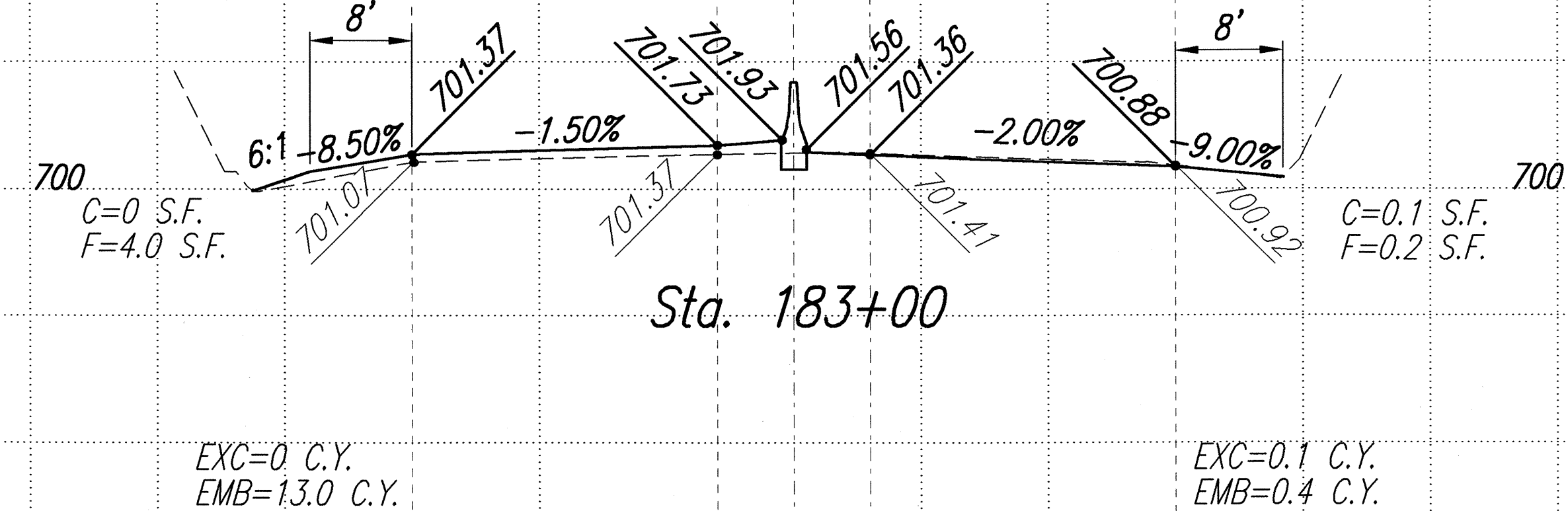
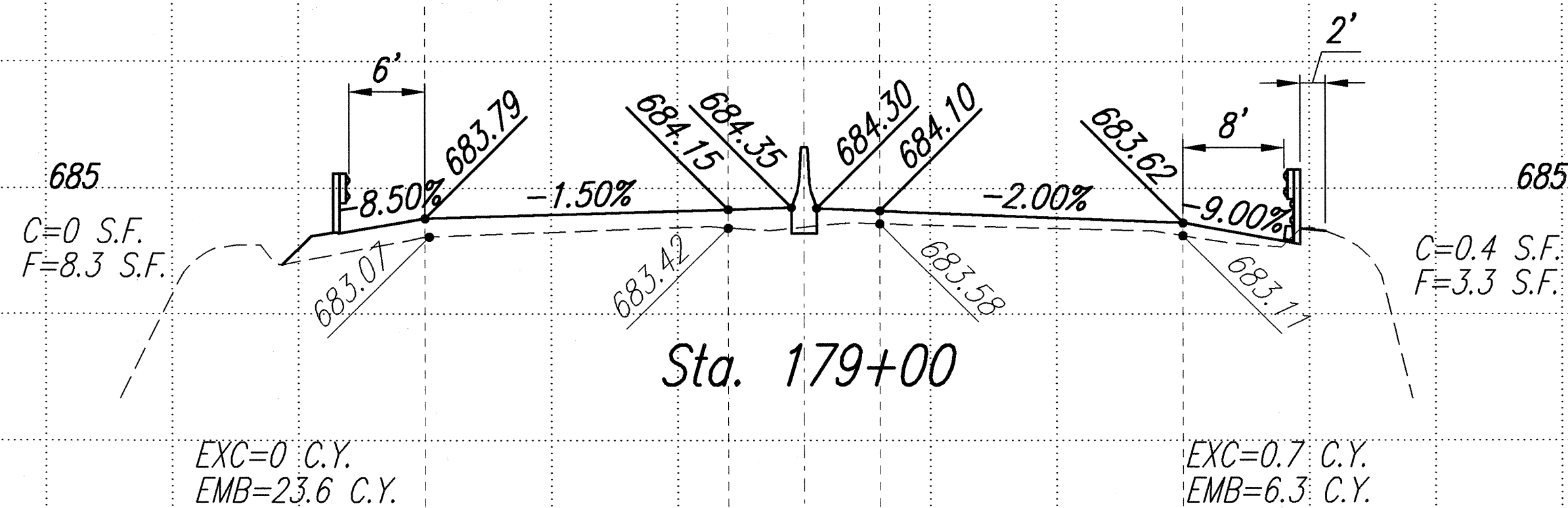
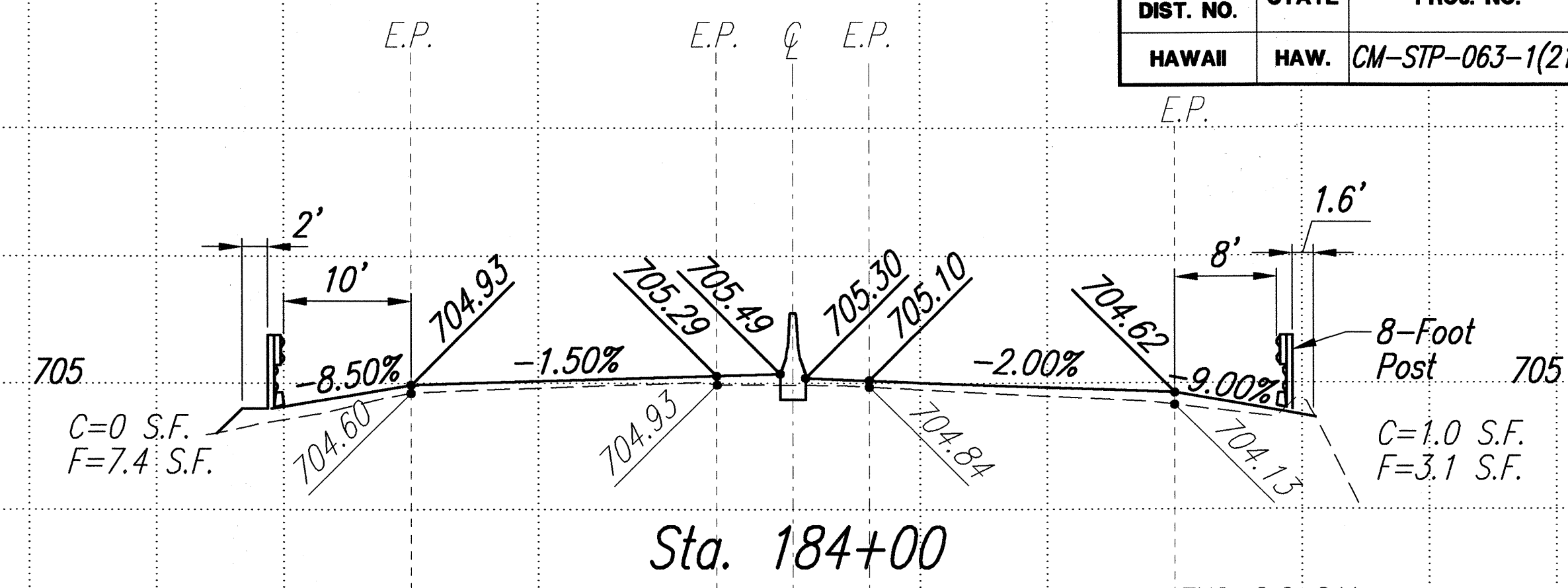
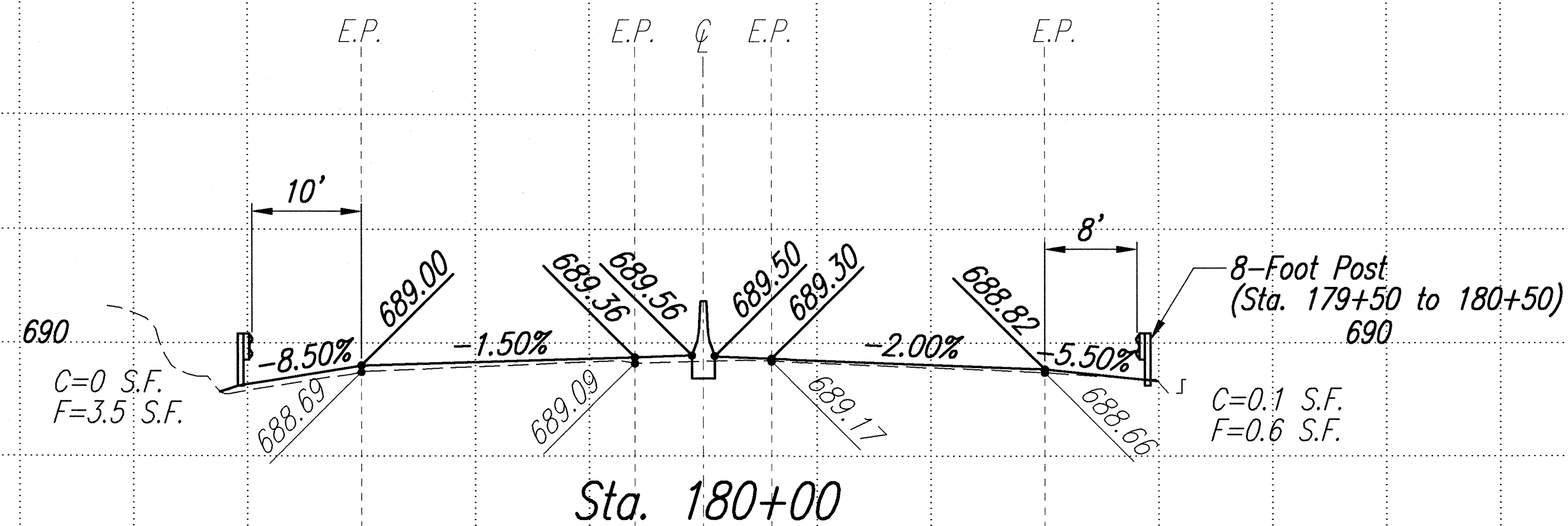
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY CROSS SECTIONS
STA. 169+00 TO STA 176+00
LIKELIKE HIGHWAY RESURFACING
Emmeline Place to the Wilson Tunnel/
F. A. Project No. CM-STP-063-1(21)

Scale: As Shown Date: December, 2001

SHEET No. 12 OF 21 SHEETS

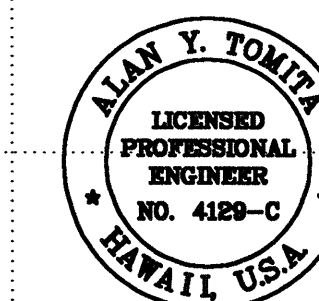
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DESIGNED BY	
	NOTED BY	
	CHECKED BY	
NO.		

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CM-STP-063-1(21)	2002	61	187



ROADWAY CROSS SECTIONS

Scales: HORIZ 1"=10'
VERT 1"=5'



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION:

Alan Y. Semak

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

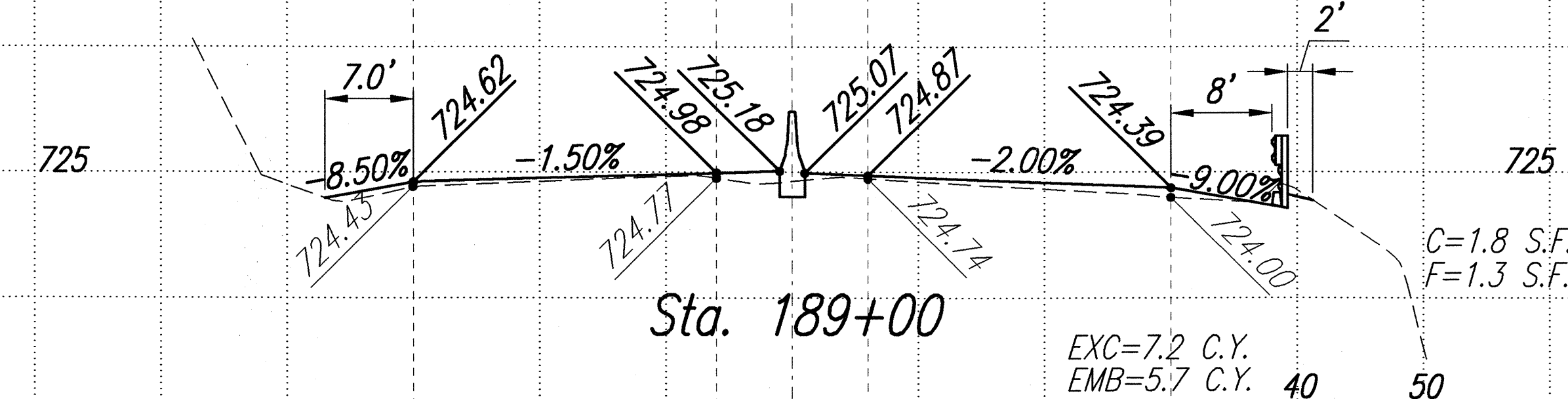
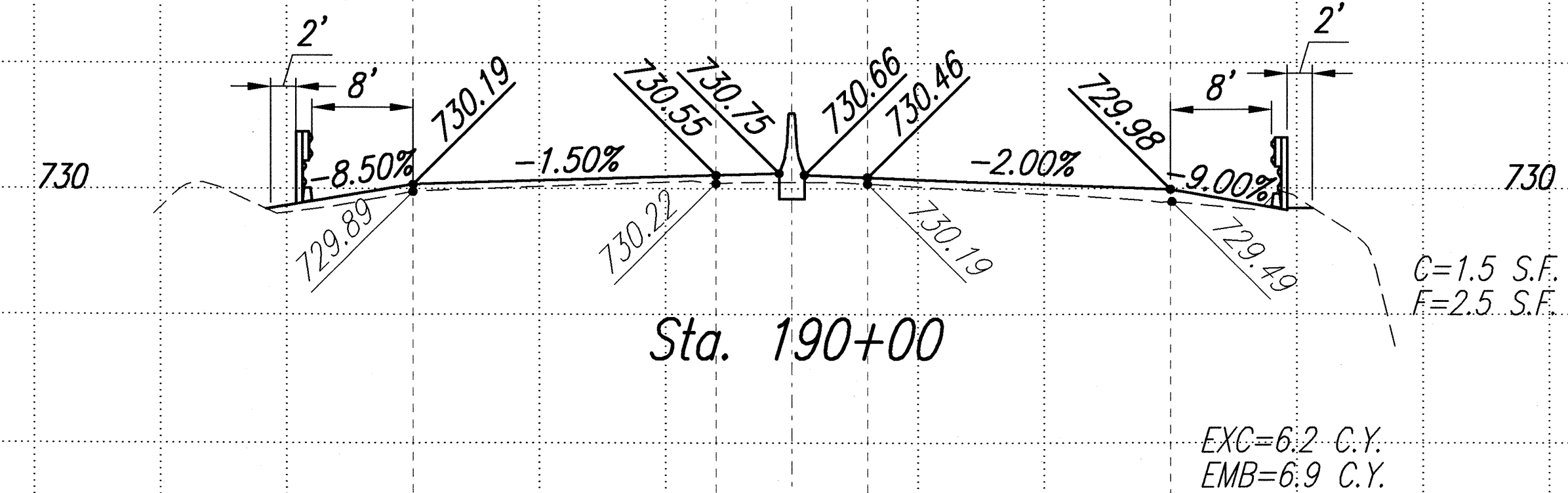
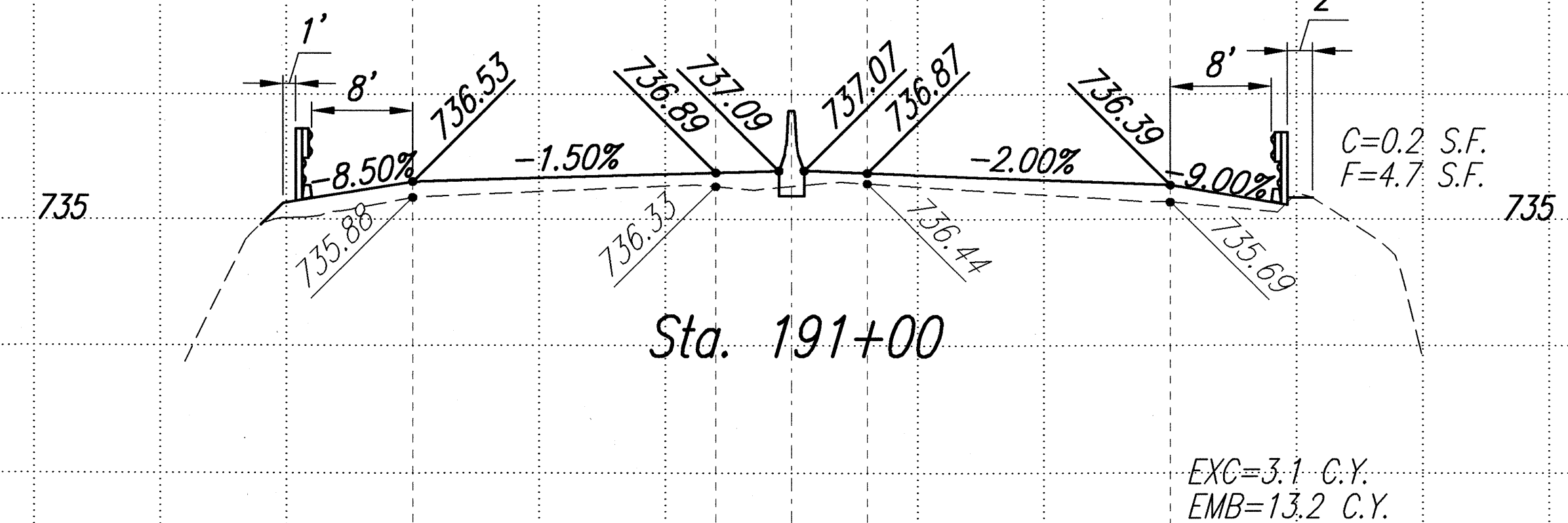
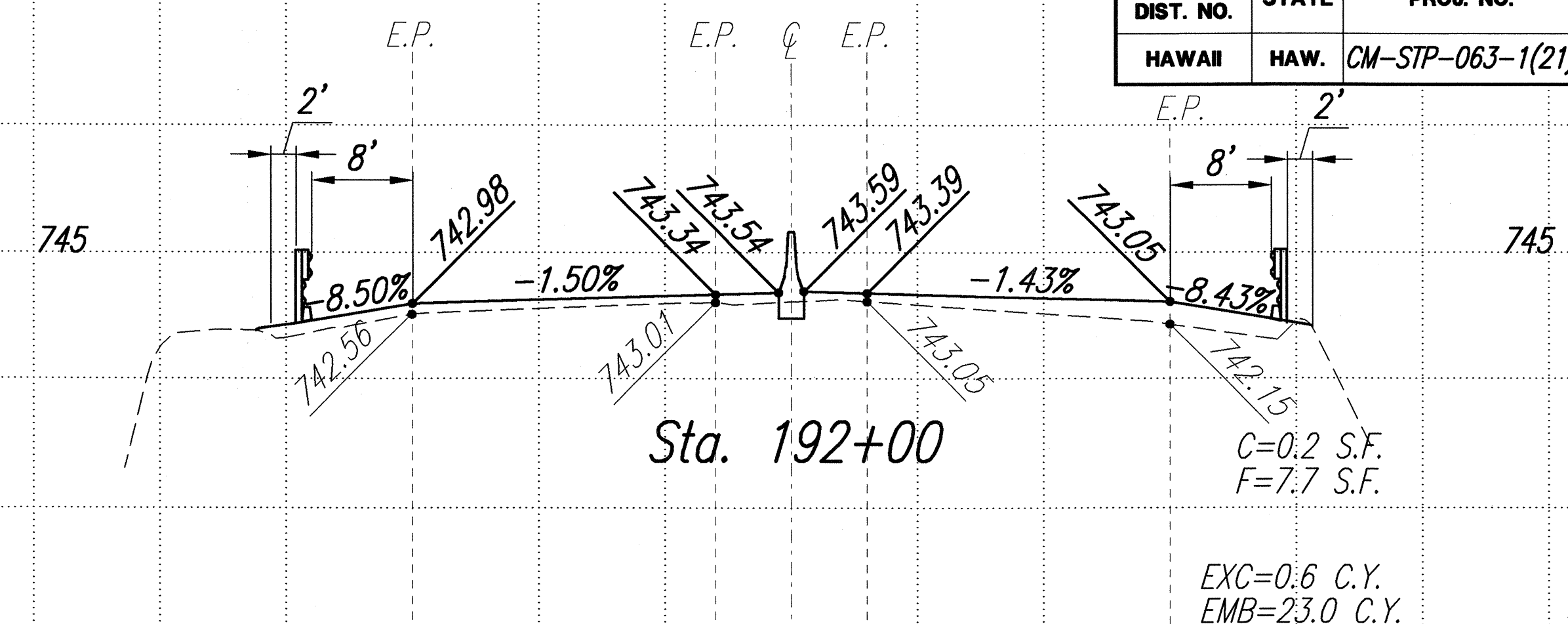
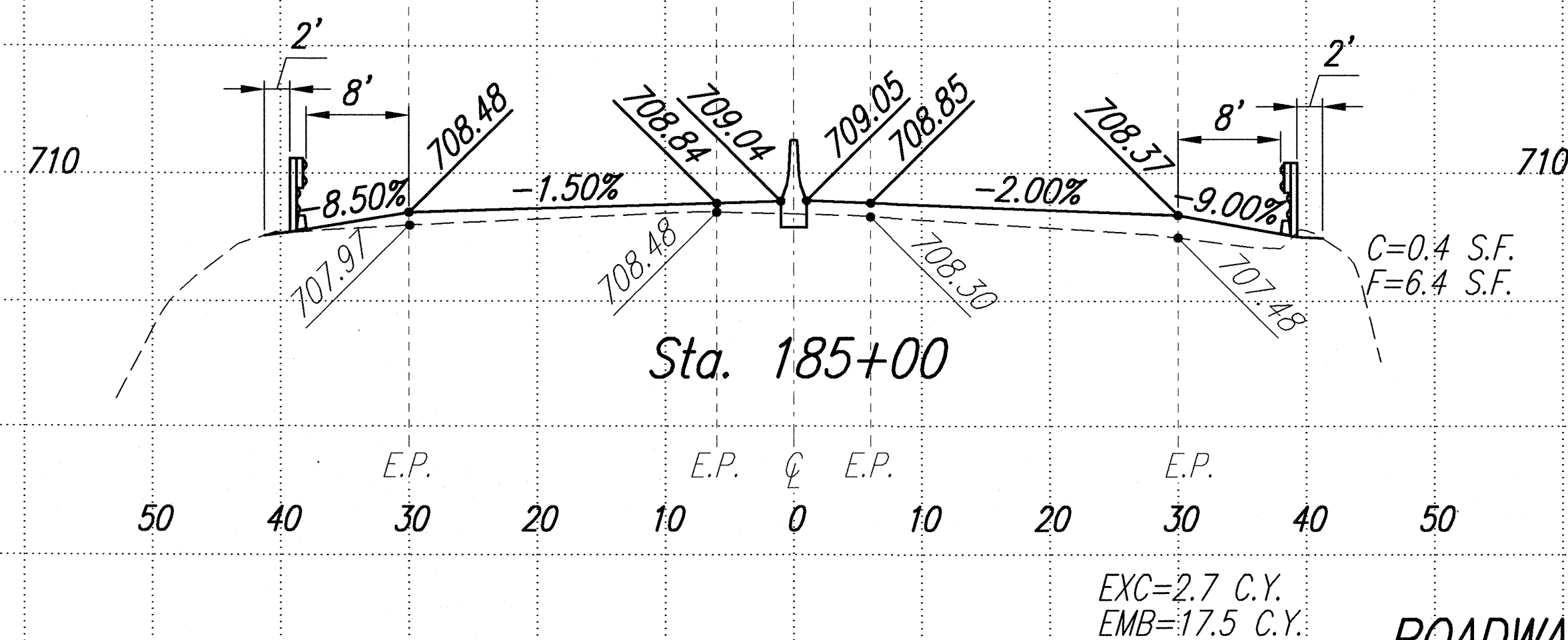
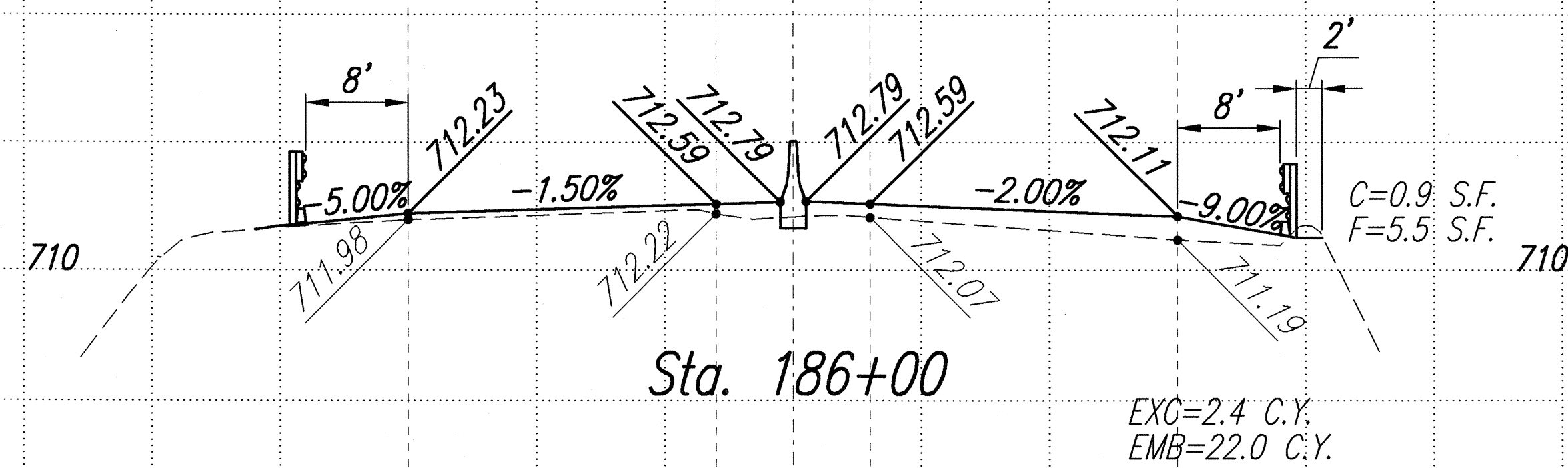
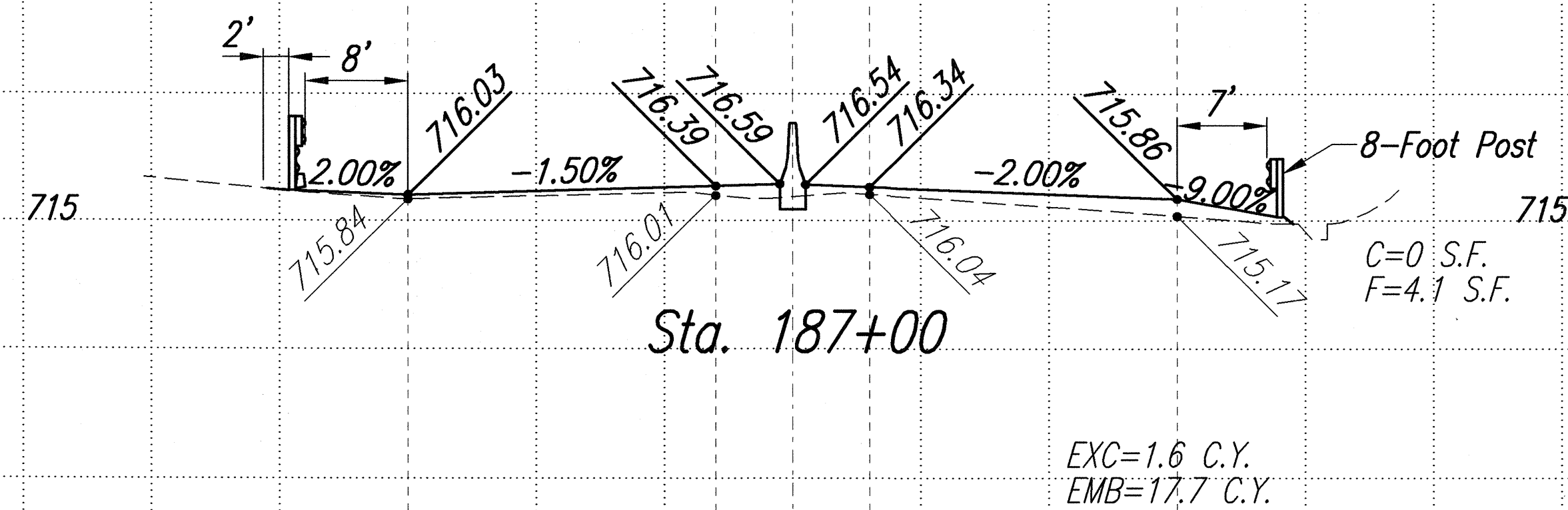
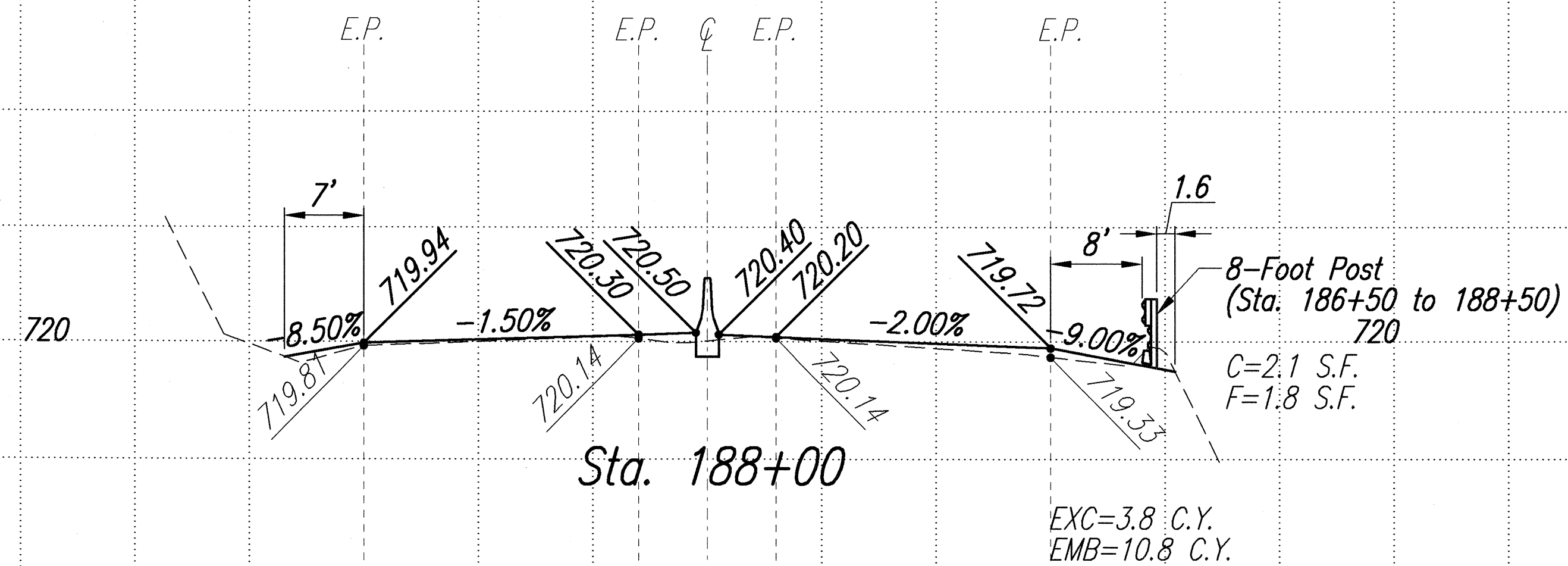
ROADWAY CROSS SECTIONS

STA. 177+00 TO STA 184+00

LIKELIKE HIGHWAY RESURFACING
Ermeline Place to the Wilson Tunnel
F. A. Project No. CM-STP-063-1(21)

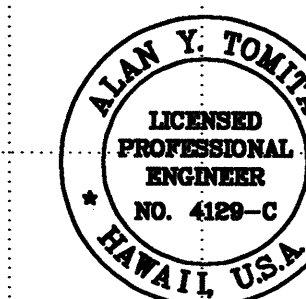
Scale: As Shown Date: December, 2001

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CM-STP-063-1(21)	2002	62	187



ROADWAY CROSS SECTIONS

Scales: HORIZ 1"=10'
VERT 1"=5'



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Alan y Romulo

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

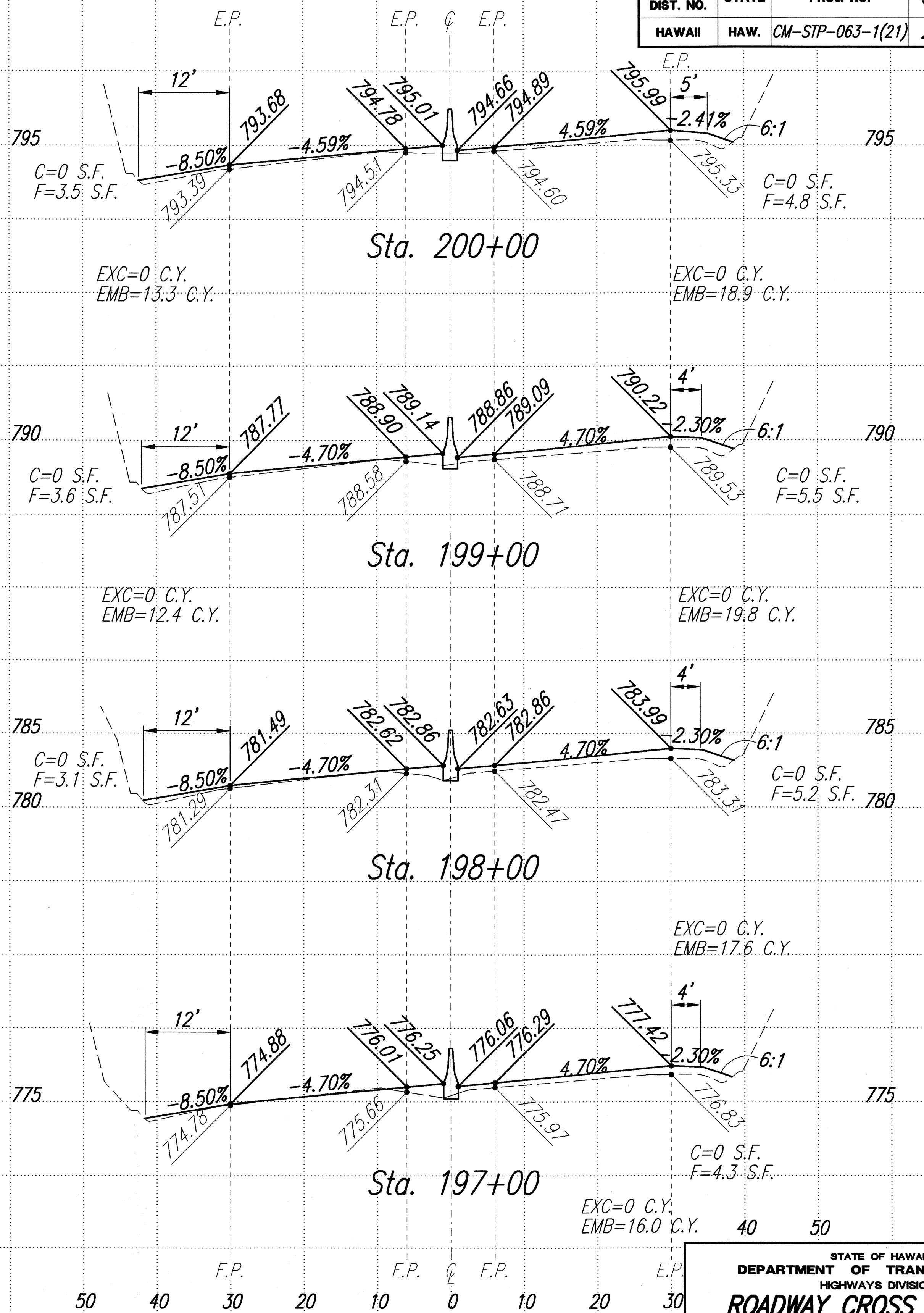
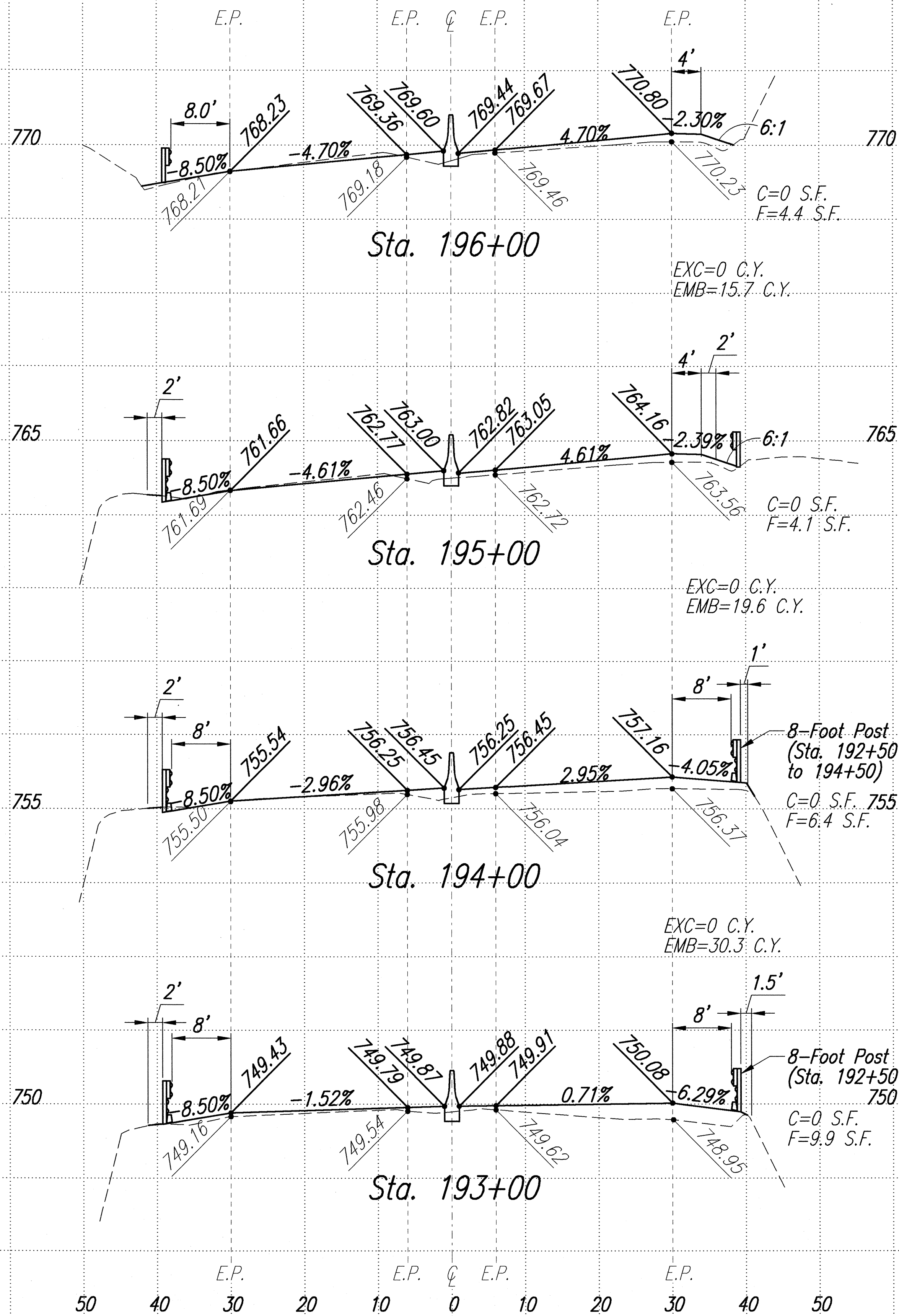
ROADWAY CROSS SECTIONS

STA. 185+00 TO STA 192+00

LIKELIKE HIGHWAY RESURFACING
Emmeline Place to the Wilson Tunnel
F. A. Project No. CM-STP-063-1(21)

Scale: As Shown Date: December, 2001

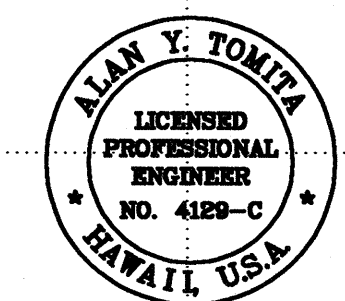
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CM-STP-063-1(21)	2002	63	187



SURVEY PLOTTED BY	DATE
DESIGNED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
NO.	

ROADWAY CROSS SECTIONS

Scales: HORIZ 1"=10'
VERT 1"=5'

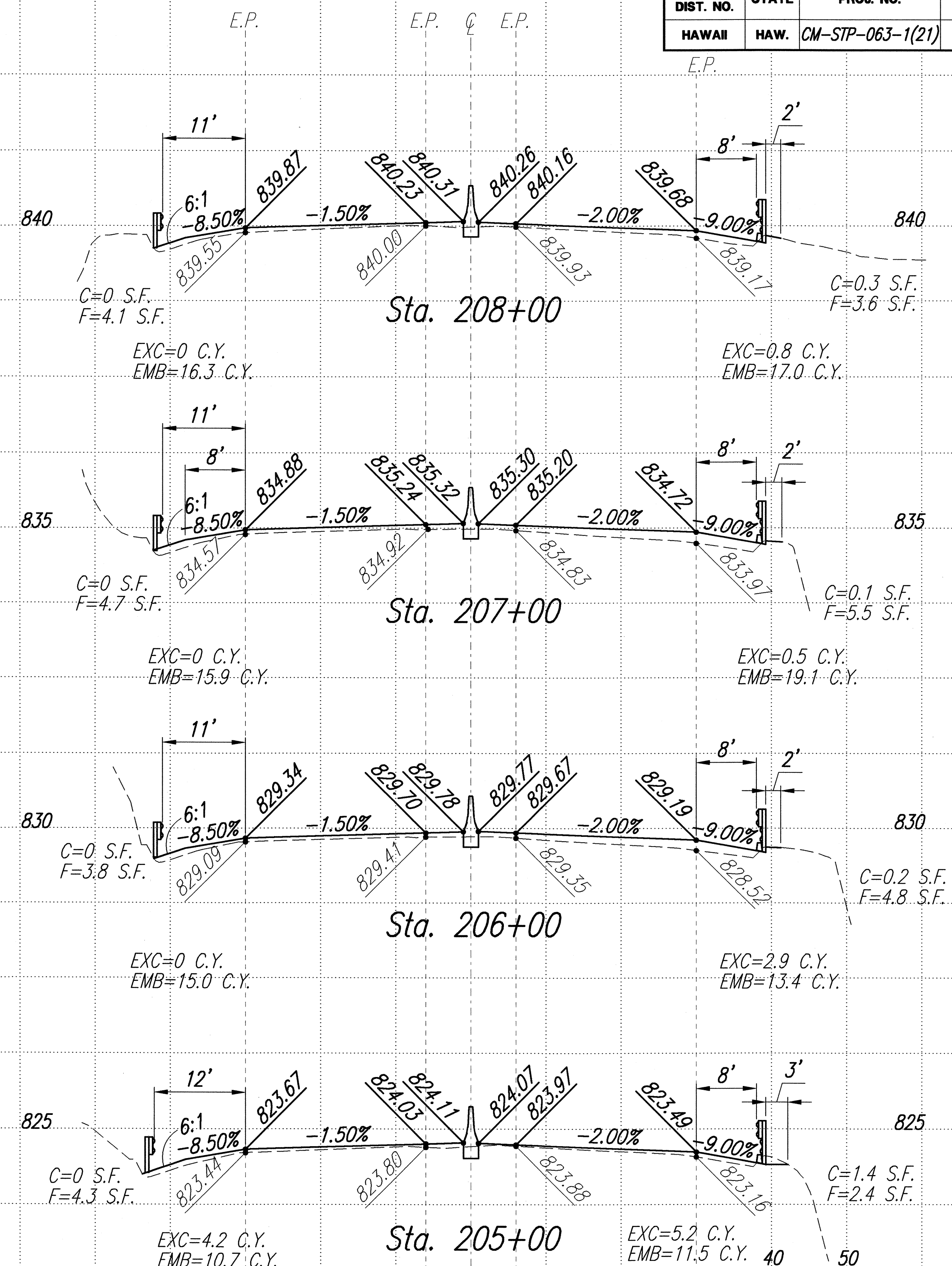
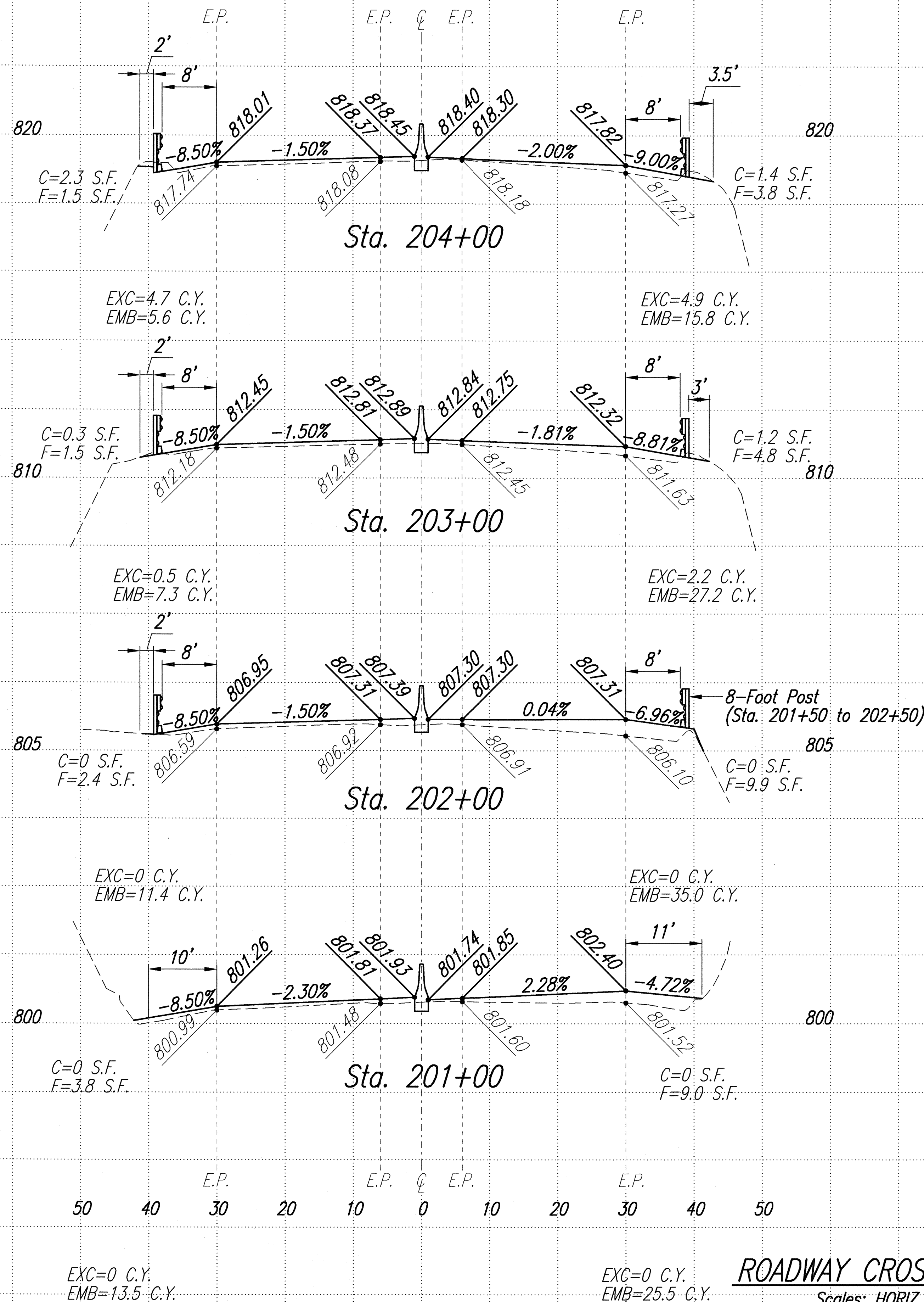


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Alan Y. Tomita

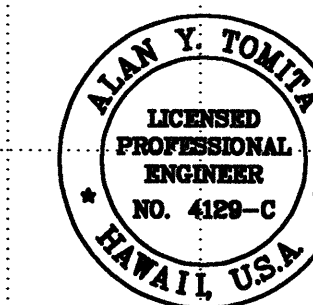
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY CROSS SECTIONS
STA. 193+00 TO STA. 200+00
LIKELIKE HIGHWAY RESURFACING
Emmeline Place to the Wilson Tunnel
F. A. Project No. CM-STP-063-1(21)
Scale: As Shown Date: December, 2001
SHEET No. 15 OF 21 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CM-STP-063-1(21)	2002	64	187



ROADWAY CROSS SECTIONS

Scales: HORIZ 1"=10'
 VERT 1"=5'



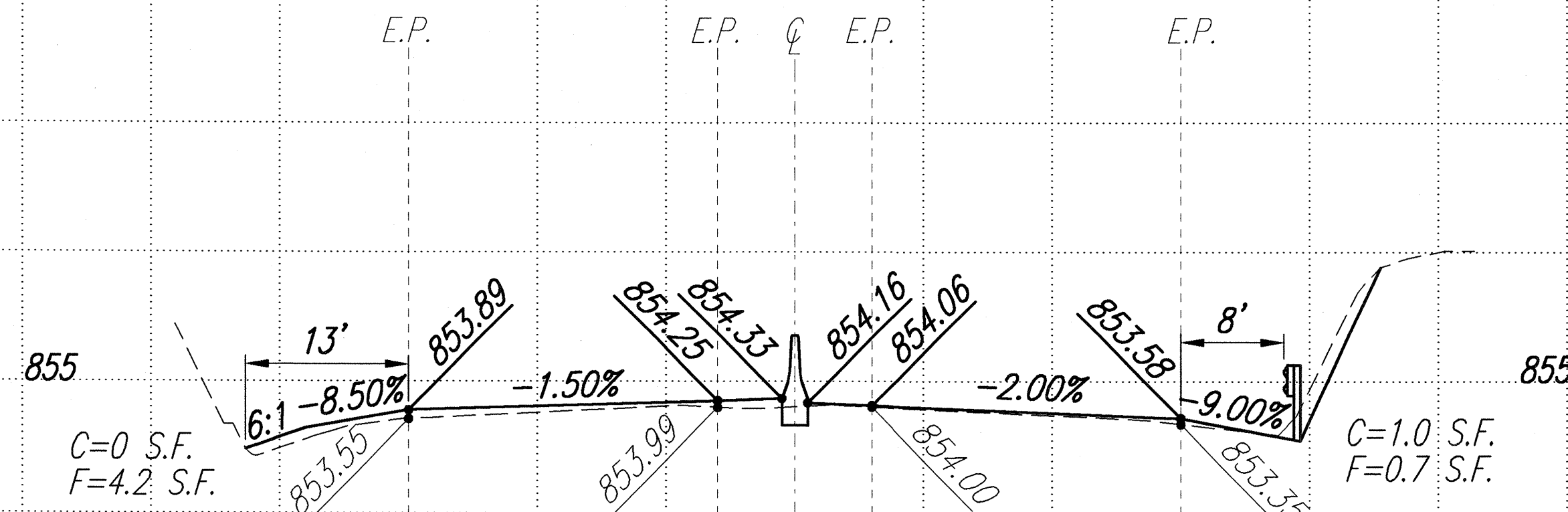
THIS WORK WAS PREPARED BY ME
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STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
ROADWAY CROSS SECTIONS
STA. 201+00 TO STA. 208+00
 LIKELIKE HIGHWAY RESURFACING
 Emmeline Place to the Wilson Tunnel
 F. A. Project No. CM-STP-063-1(21)
 Scale: As Shown Date: December, 2001

SHEET No. 16 OF 21 SHEETS

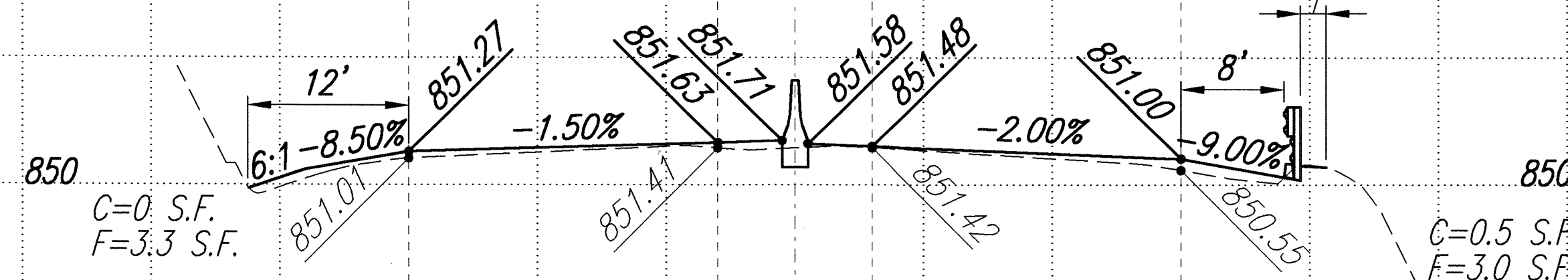
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CM-STP-063-1(21)	2002	65	187



Sta. 212+00

EXC=0 C.Y.
EMB=13.8 C.Y.

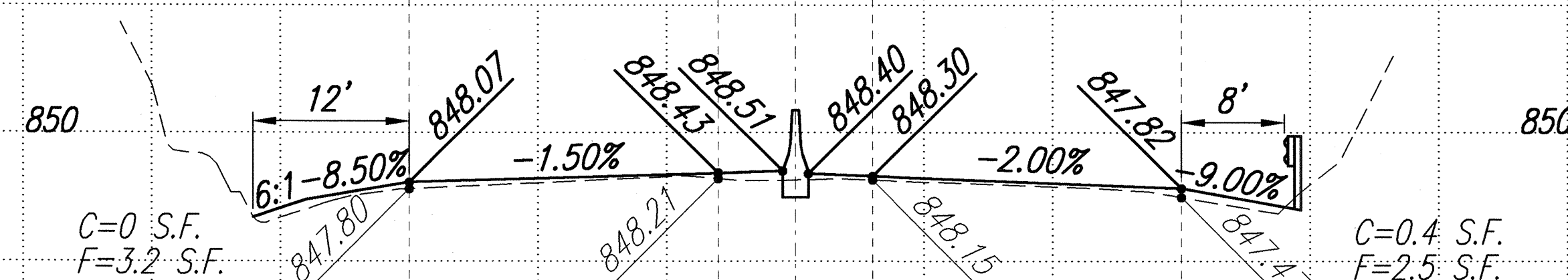
EXC=2.7 C.Y.
EMB=6.8 C.Y.



Sta. 211+00

EXC=0 C.Y.
EMB=12.0 C.Y.

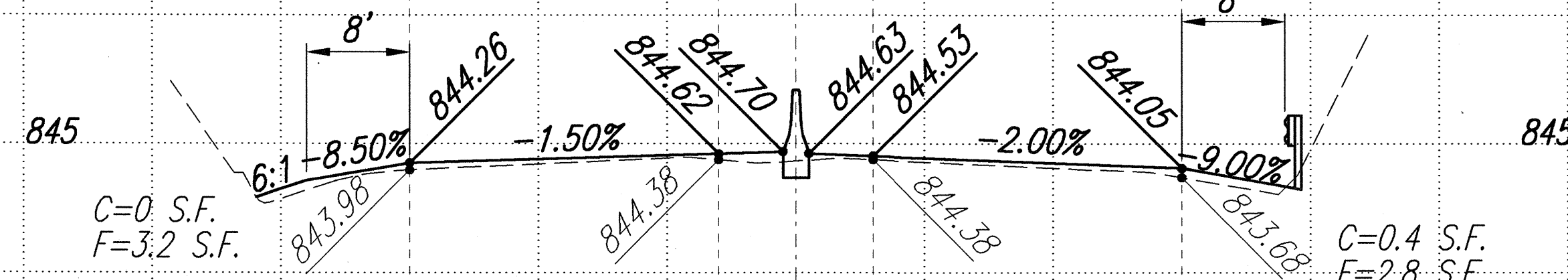
EXC=1.7 C.Y.
EMB=10.3 C.Y.



Sta. 210+00

EXC=0 C.Y.
EMB=11.9 C.Y.

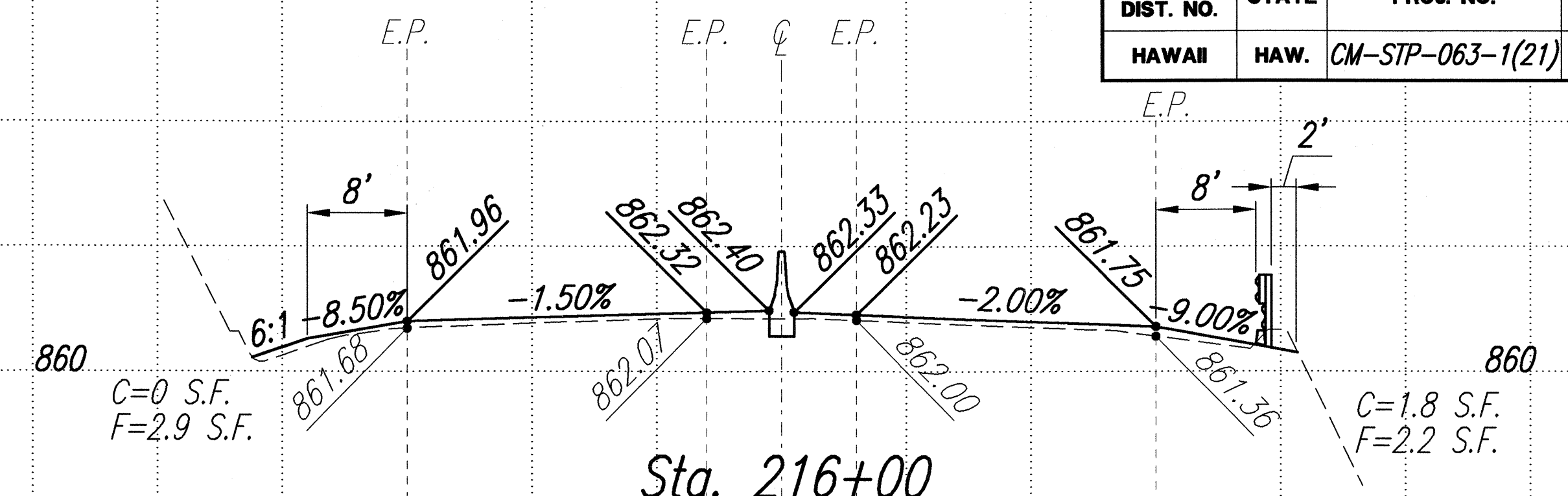
EXC=1.5 C.Y.
EMB=9.8 C.Y.



Sta. 209+00

EXC=0 C.Y.
EMB=13.5 C.Y.

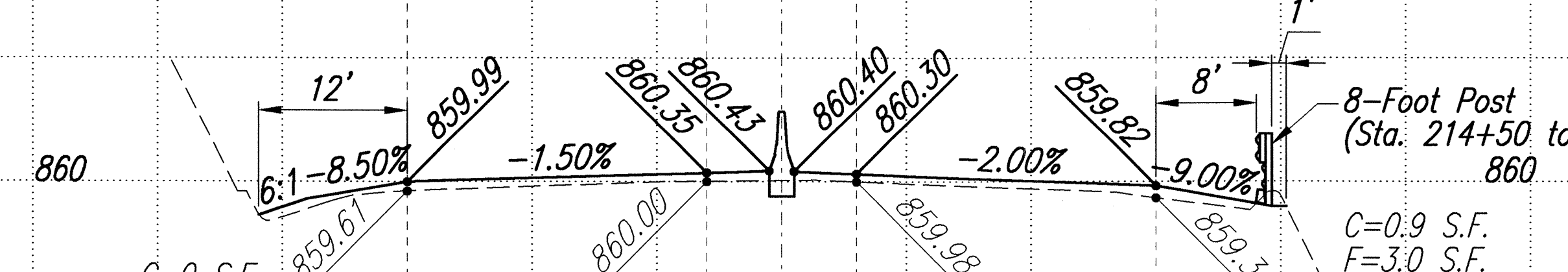
EXC=1.4 C.Y.
EMB=11.9 C.Y.



Sta. 216+00

EXC=0 C.Y.
EMB=12.0 C.Y.

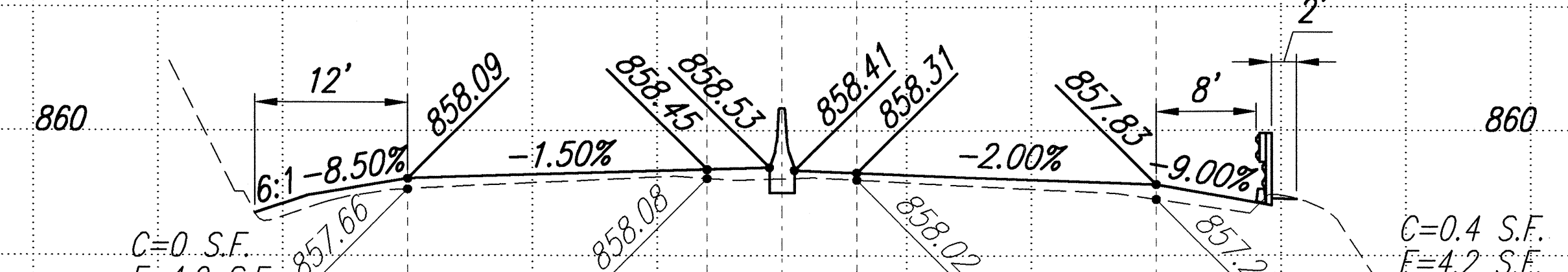
EXC=5.1 C.Y.
EMB=9.7 C.Y.



Sta. 215+00

EXC=0 C.Y.
EMB=15.8 C.Y.

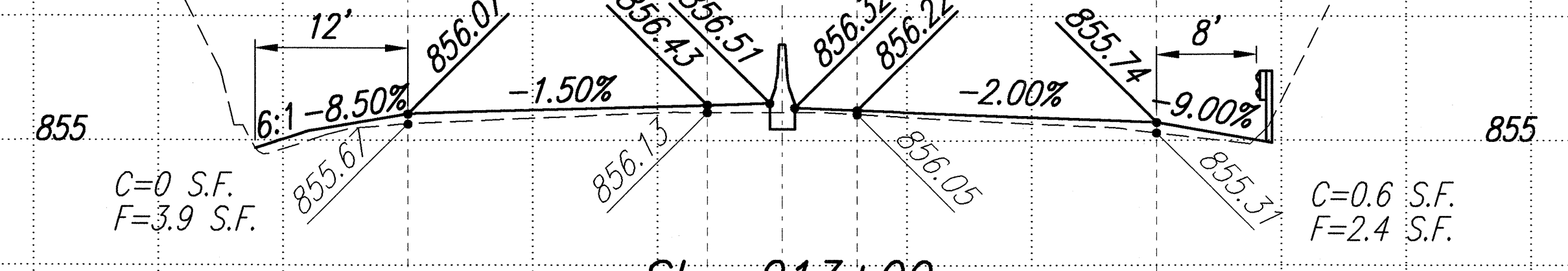
EXC=2.5 C.Y.
EMB=13.4 C.Y.



Sta. 214+00

EXC=0 C.Y.
EMB=16.3 C.Y.

EXC=1.9 C.Y.
EMB=12.3 C.Y.



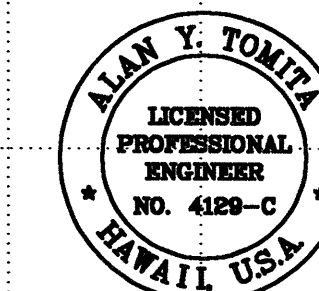
Sta. 213+00

EXC=0 C.Y.
EMB=14.9 C.Y.

EXC=2.9 C.Y.
EMB=5.7 C.Y.

ROADWAY CROSS SECTIONS

Scales: HORIZ 1"=10'
VERT 1"=5'

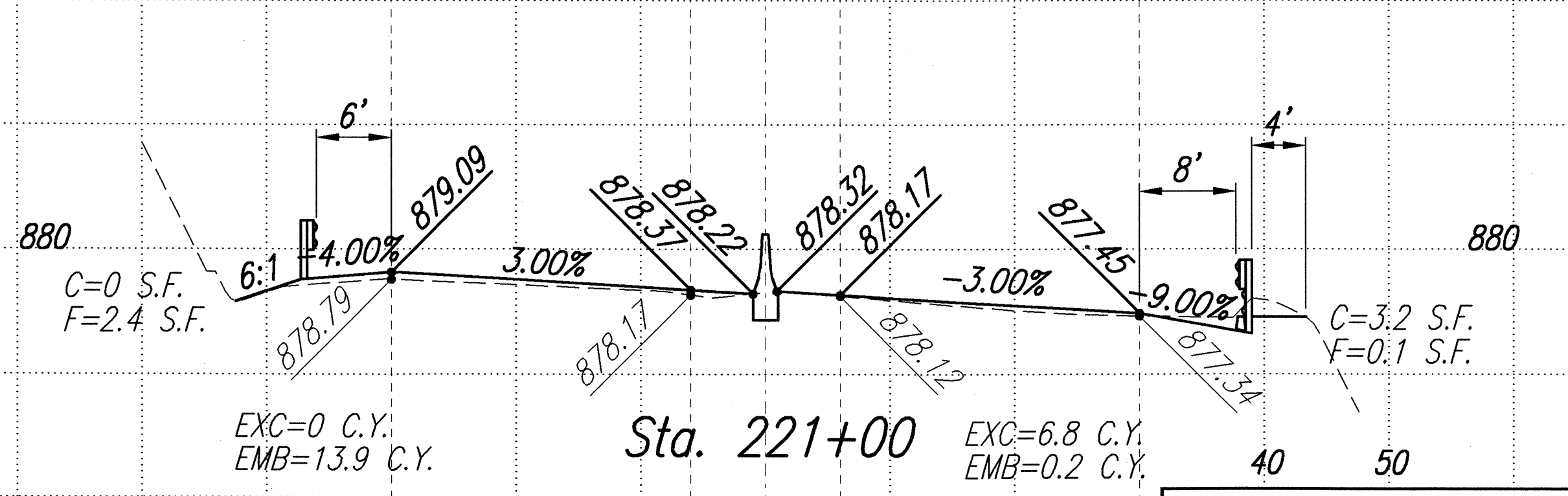
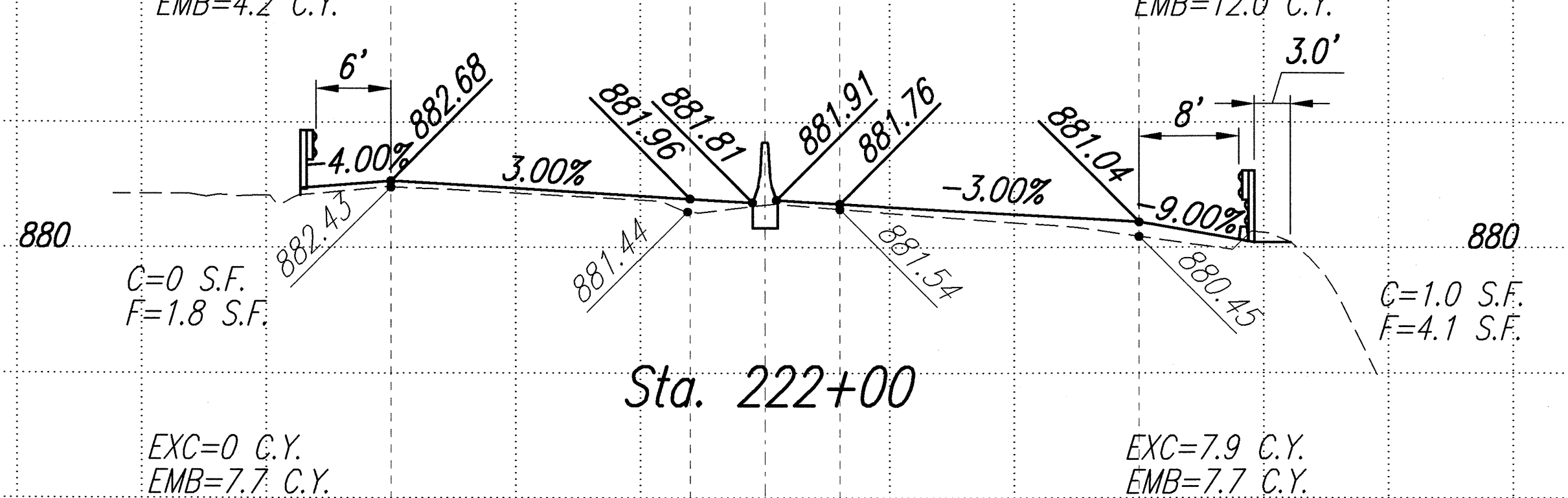
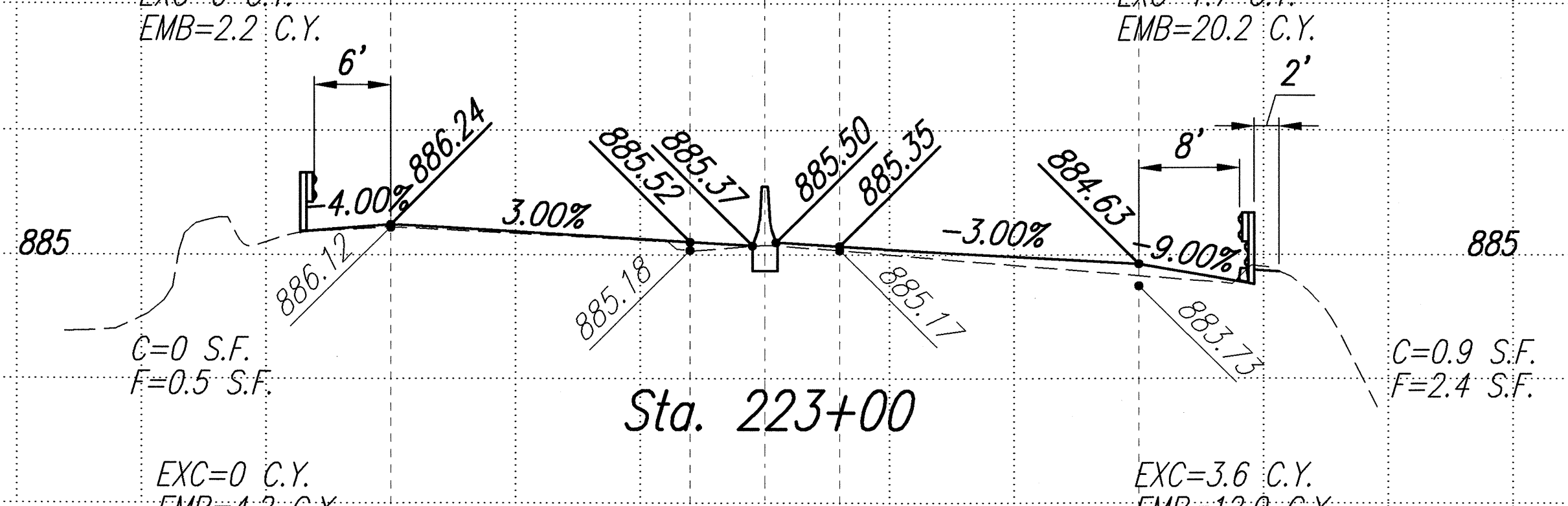
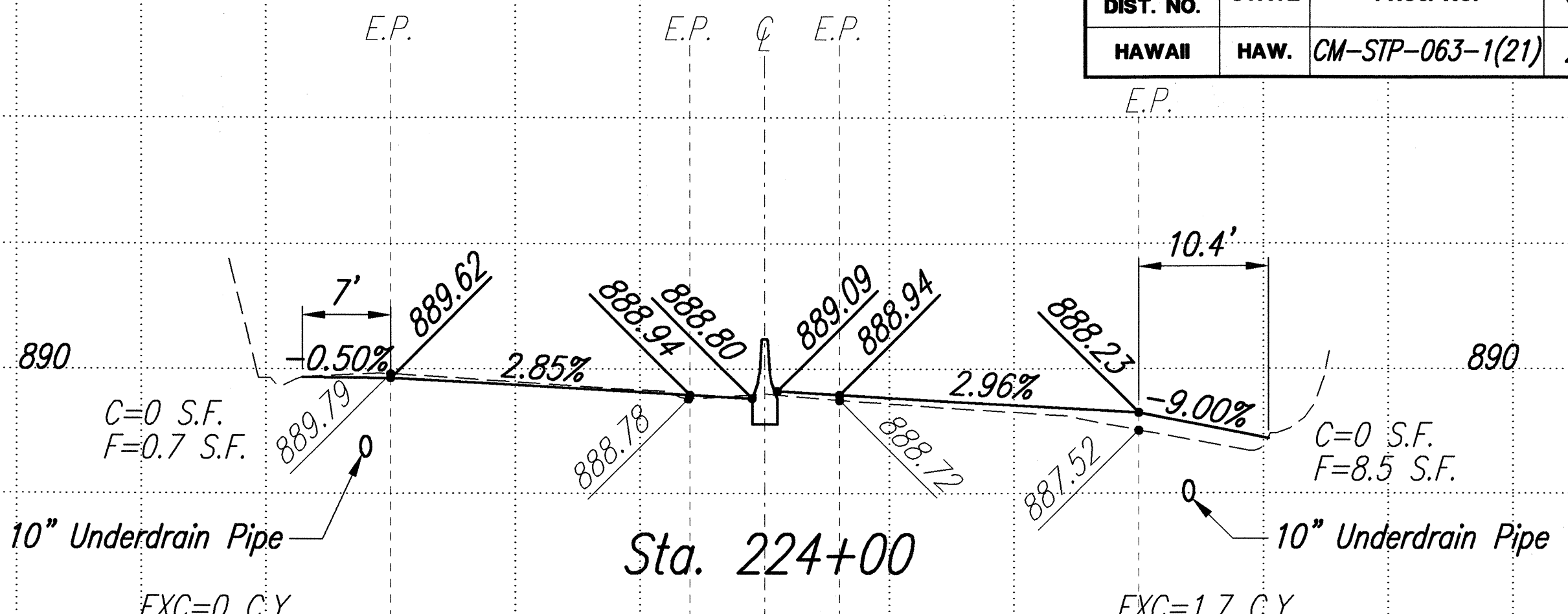
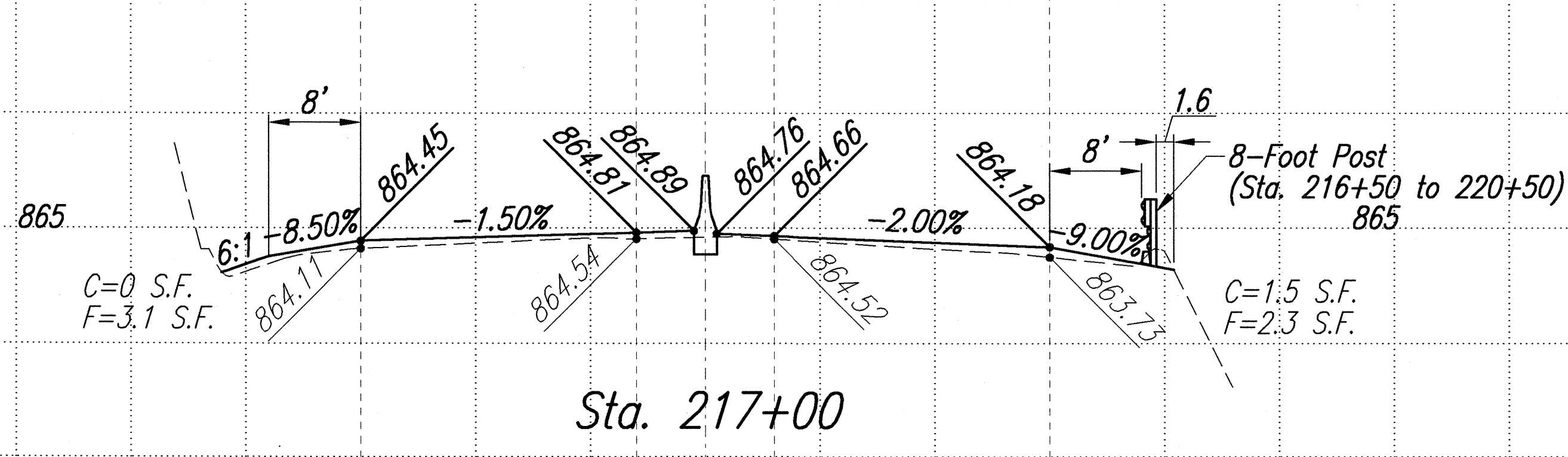
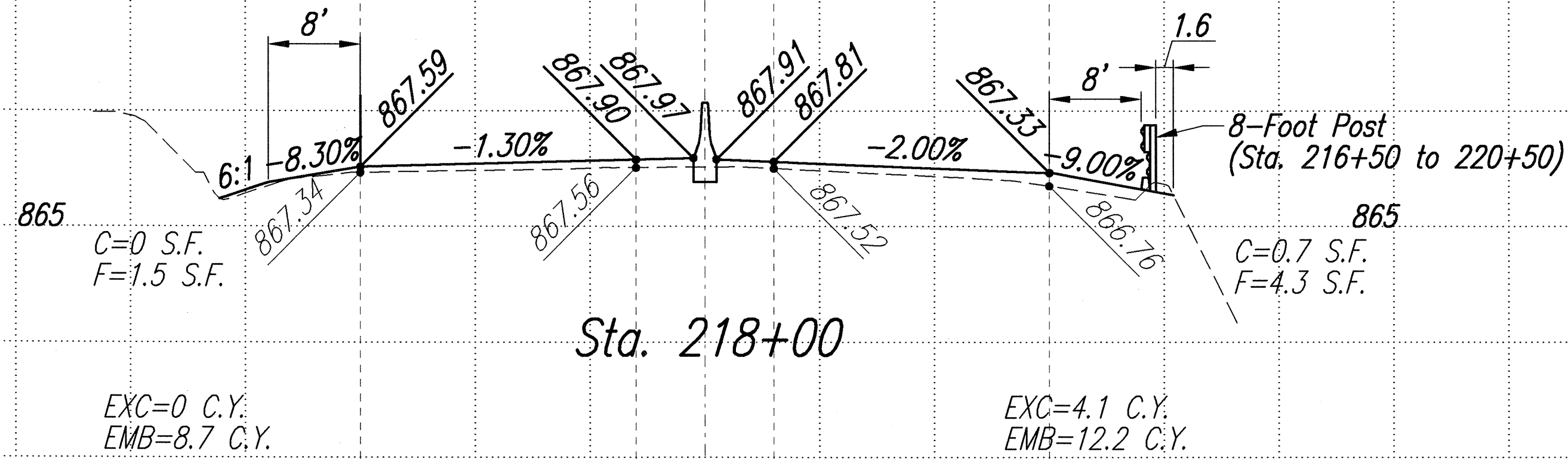
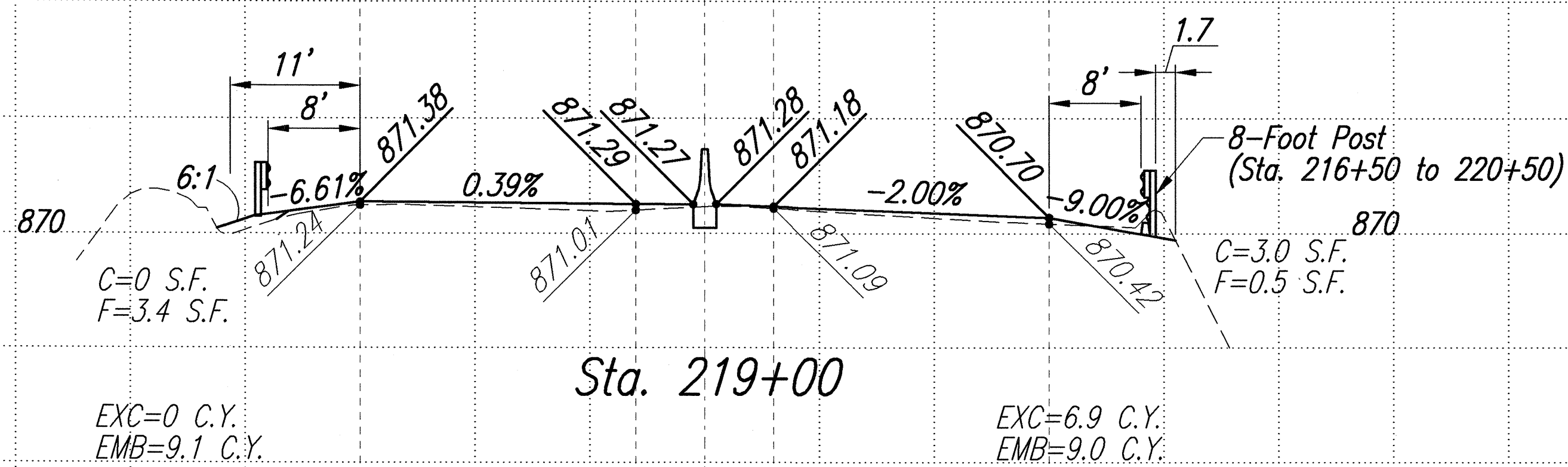
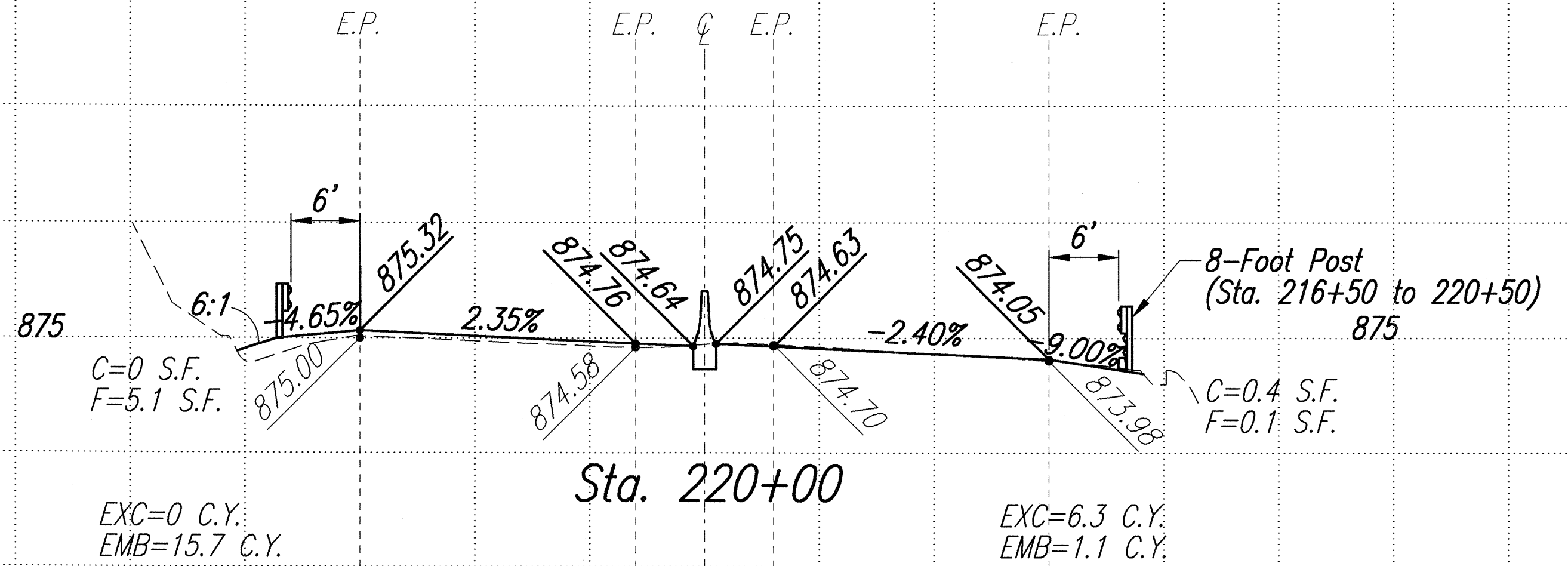


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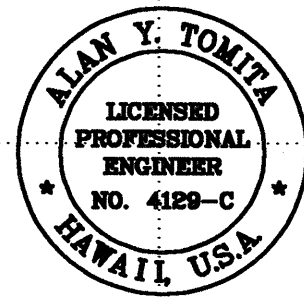
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY CROSS SECTIONS
STA. 209+00 TO STA 216+00
LIKELIKE HIGHWAY RESURFACING
Emmeline Place to the Wilson Tunnel
F. A. Project No. CM-STP-063-1(21)
Scale: As Shown Date: December, 2001
SHEET No. 17 OF 21 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CM-STP-063-1(21)	2002	66	187



ROADWAY CROSS SECTIONS

Scales: HORIZ 1"=10'
VERT 1"=5'

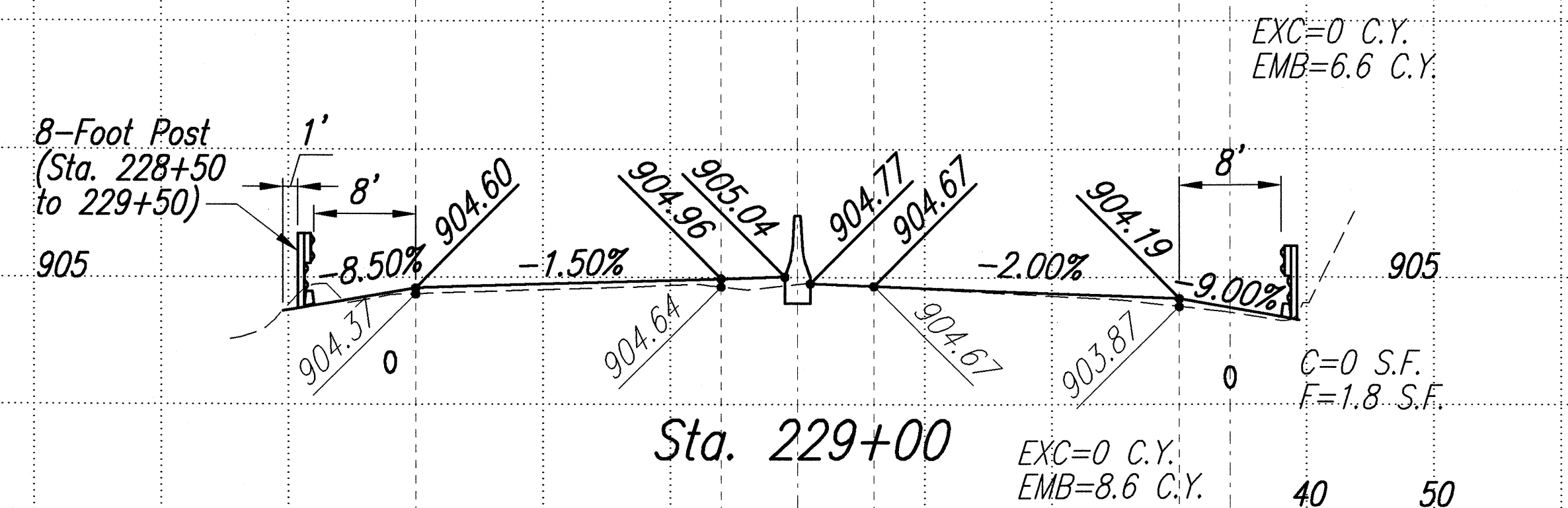
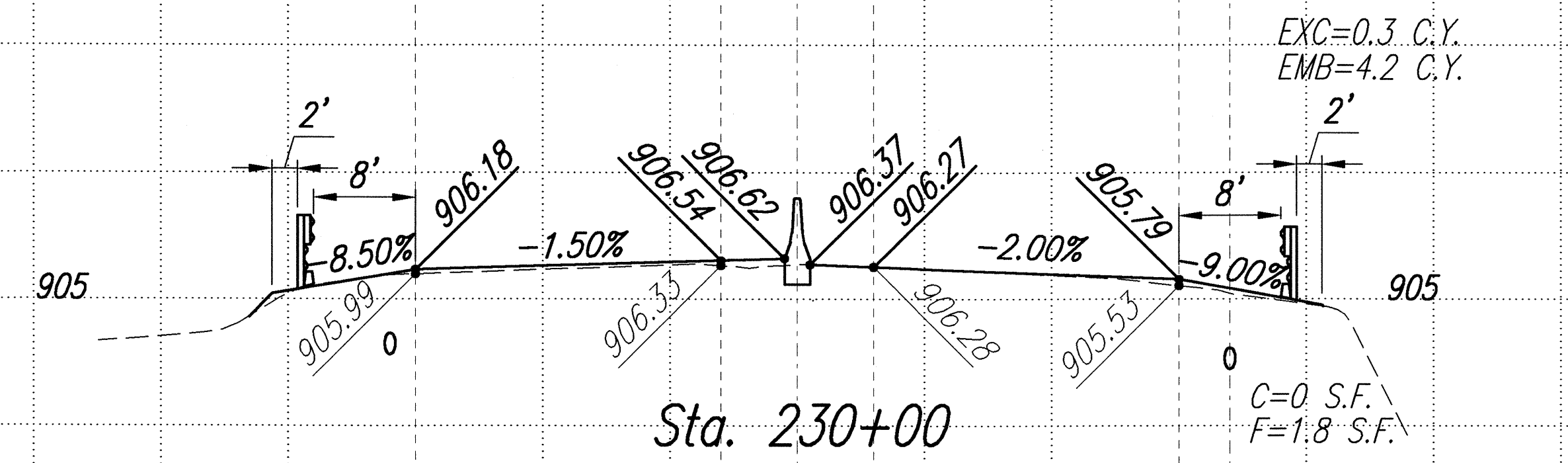
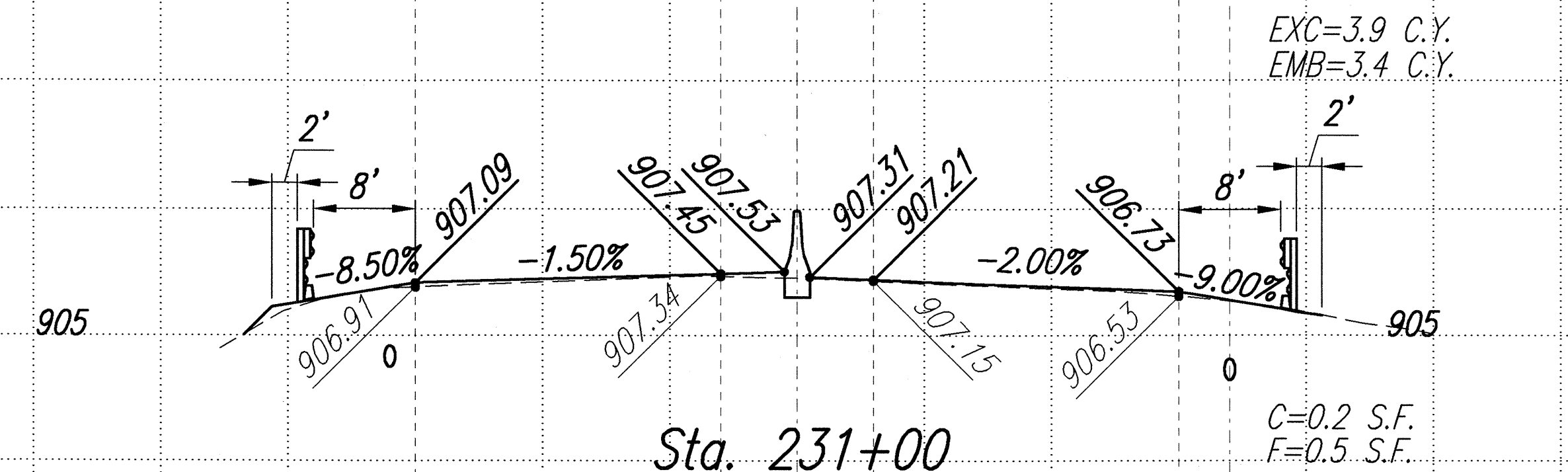
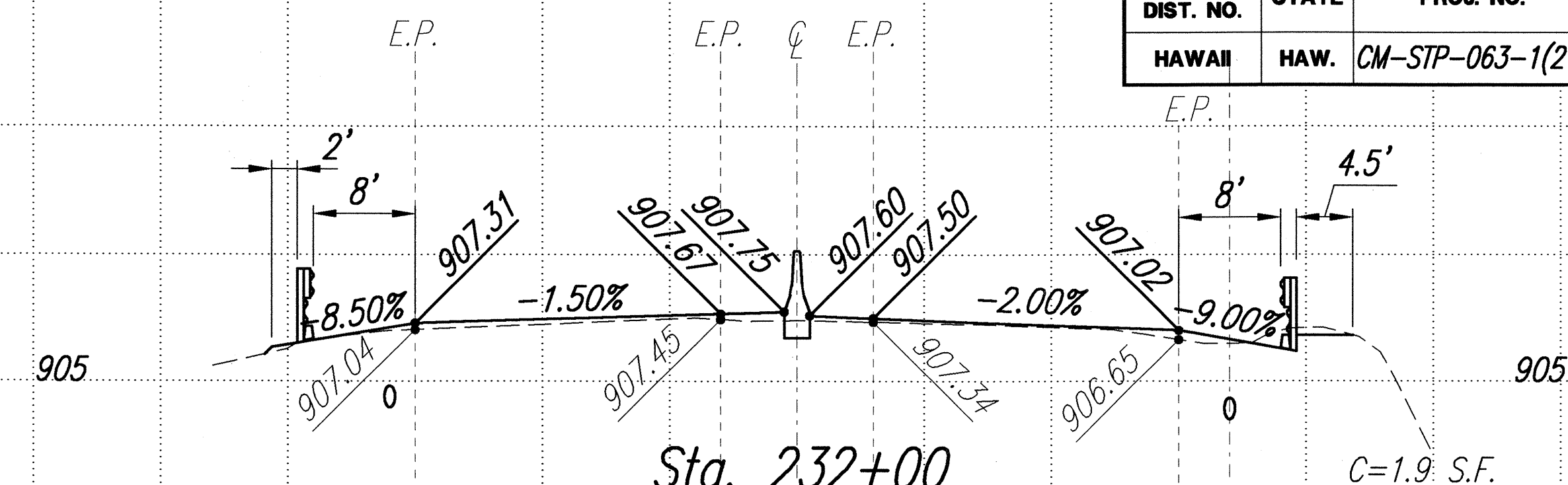
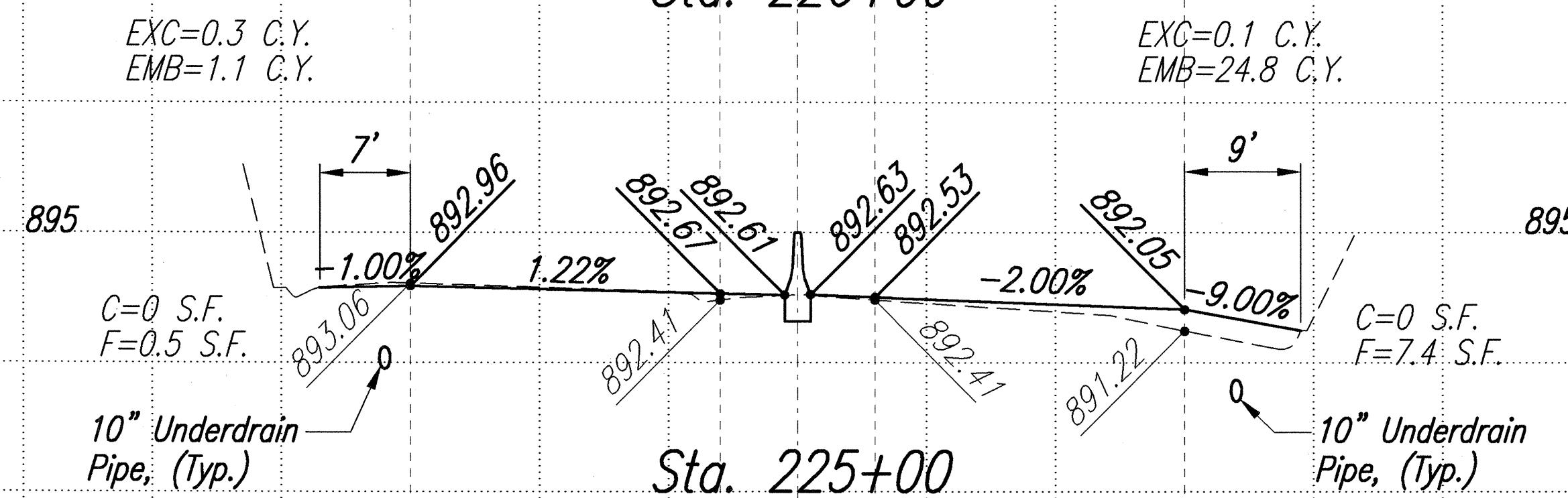
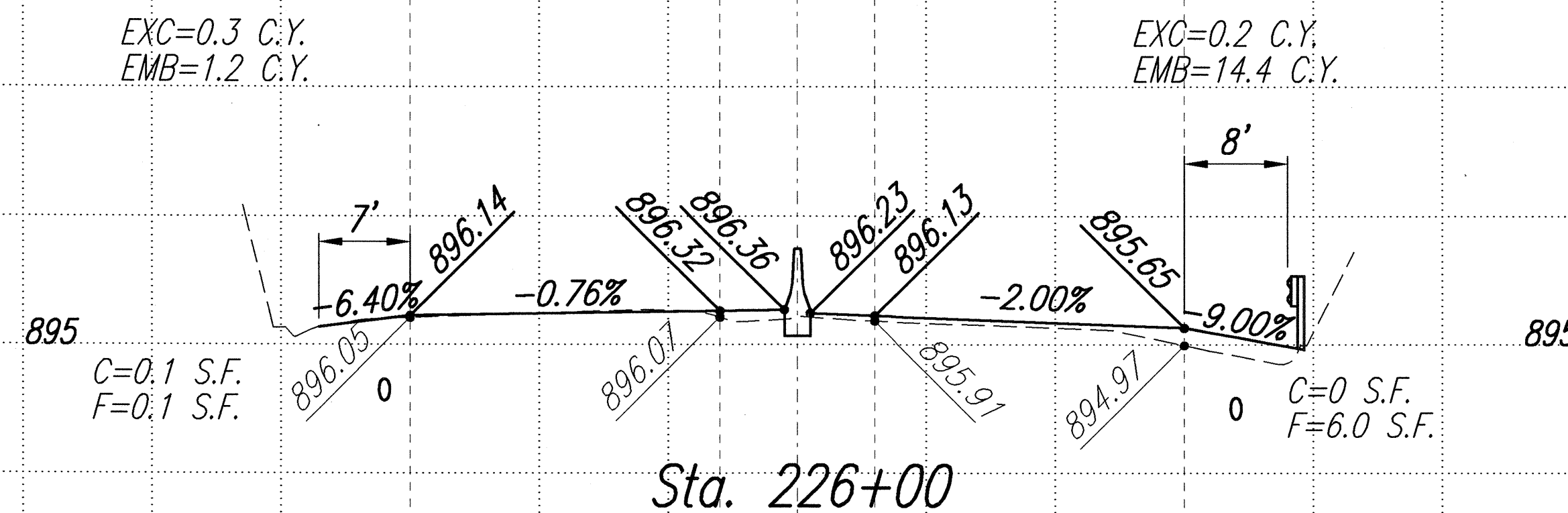
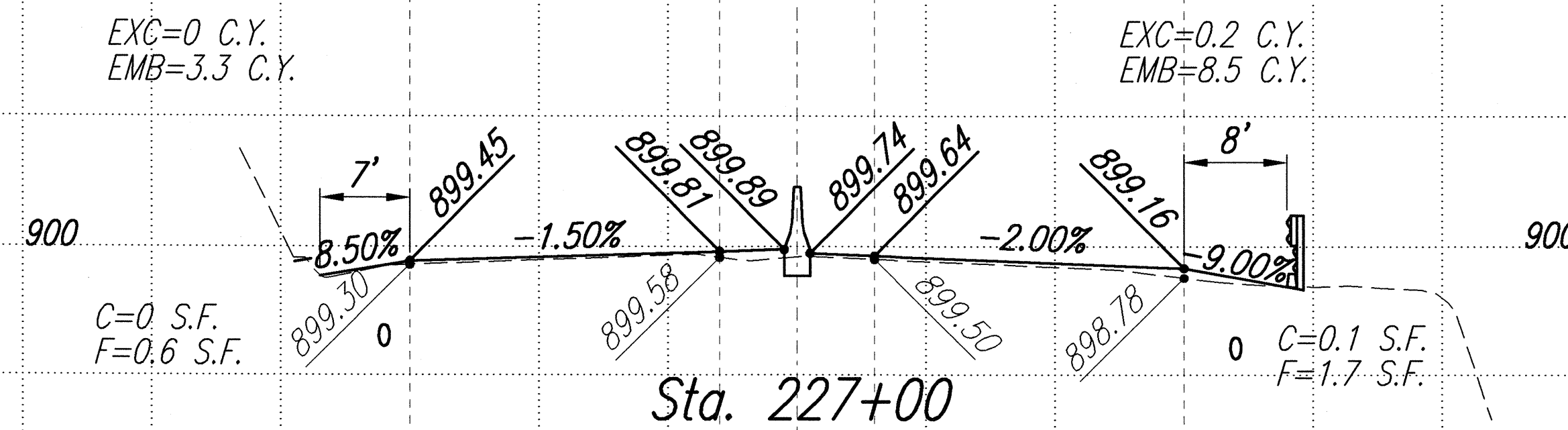
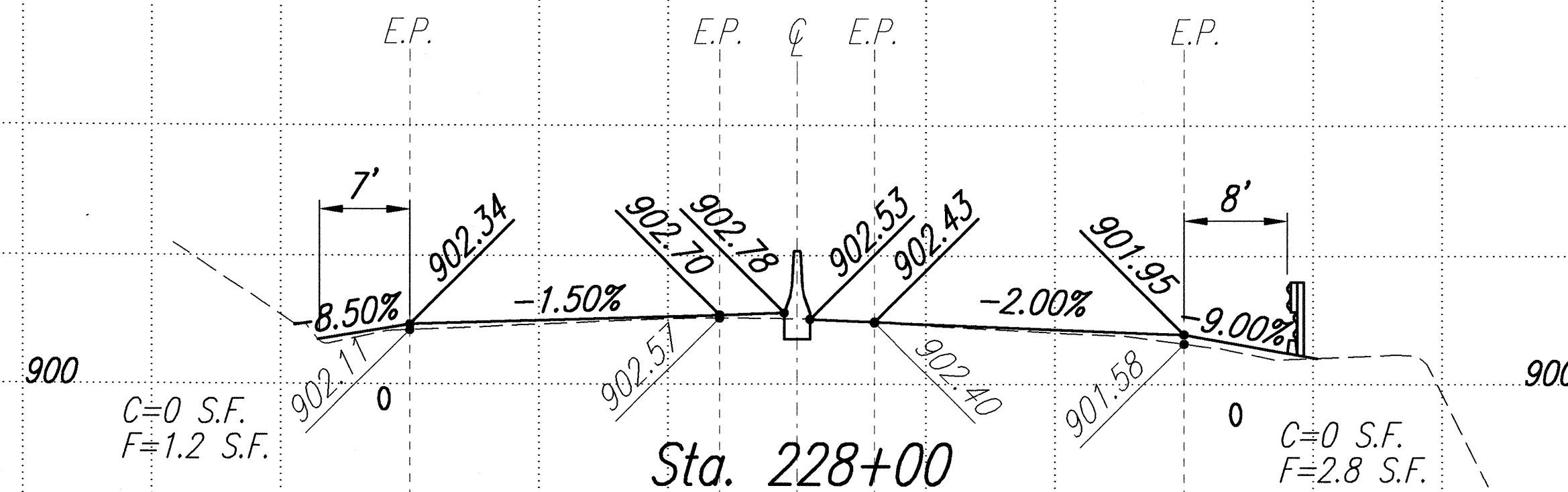


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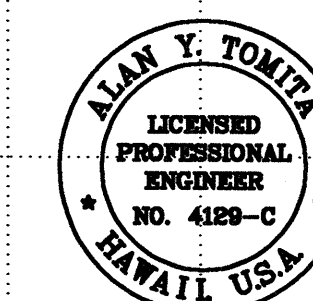
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY CROSS SECTIONS
STA. 217+00 TO STA. 224+00
LIKELIKE HIGHWAY RESURFACING
Emmeline Place to the Wilson Tunnel
F. A. Project No. CM-STP-063-1(21)
Scale: As Shown Date: December, 2001
SHEET No. 18 OF 21 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CM-STP-063-1(21)	2002	67	187



ROADWAY CROSS SECTIONS

Scales: HORIZ 1"=10'
VERT 1"=5'



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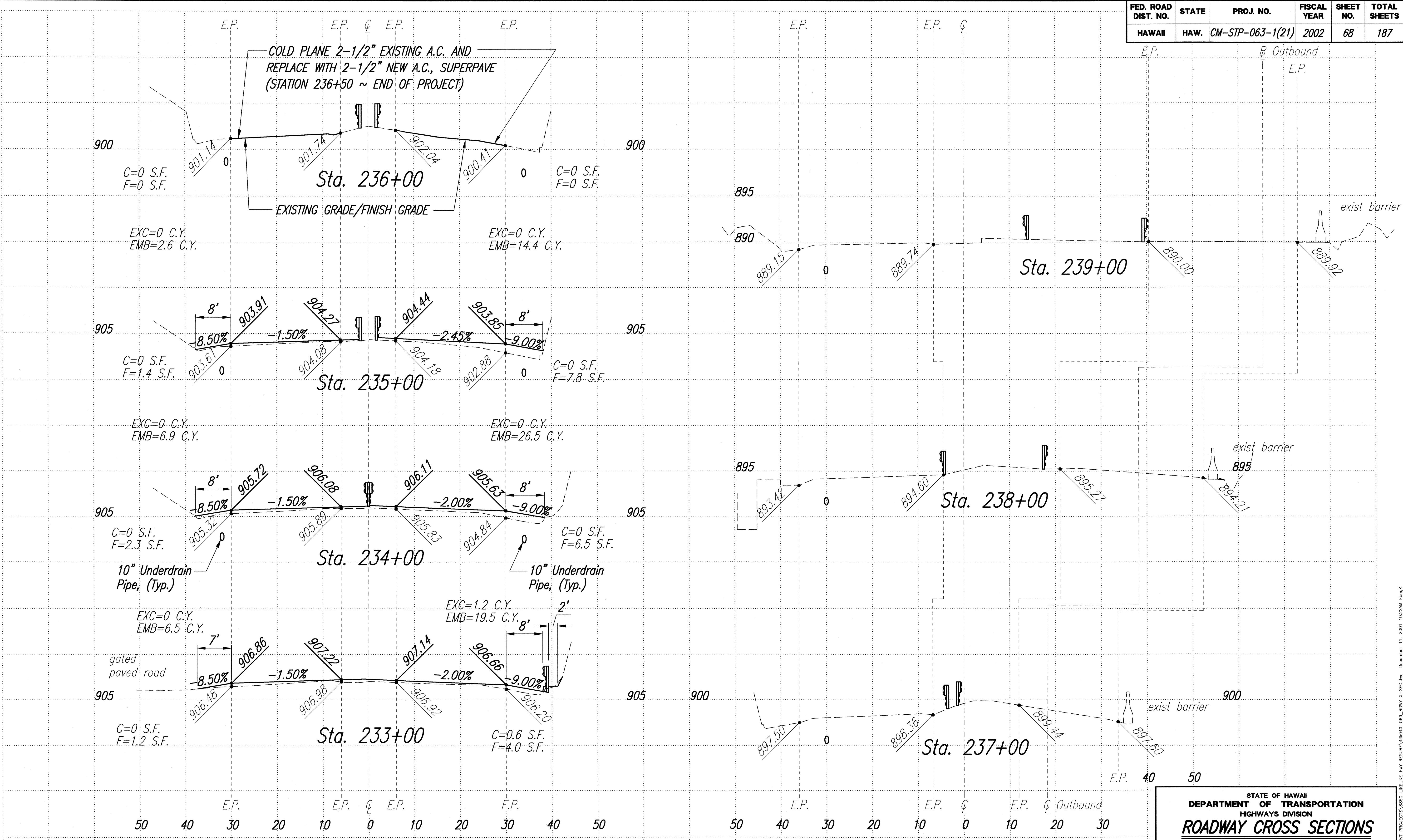
Alan Y. Tomita

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY CROSS SECTIONS
STA. 225+00 TO STA 232+00
LIKELIKE HIGHWAY RESURFACING
Emmeline Place to the Wilson Tunnel
F. A. Project No. CM-STP-063-1(21)

Scale: As Shown Date: December, 2001

SHEET No. 19 OF 21 SHEETS

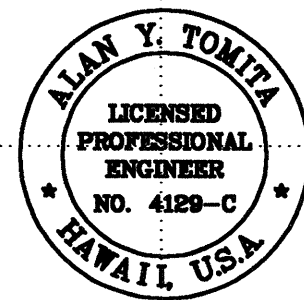
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CM-STP-063-1(21)	2002	68	187



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
No.	QUANTITIES BY	
	CHECKED BY	

ROADWAY CROSS SECTIONS

Scales: HORIZ 1"=10'
VERT 1"=5'



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OR UNDER MY SUPERVISION:

Alan Y. Tomita

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS

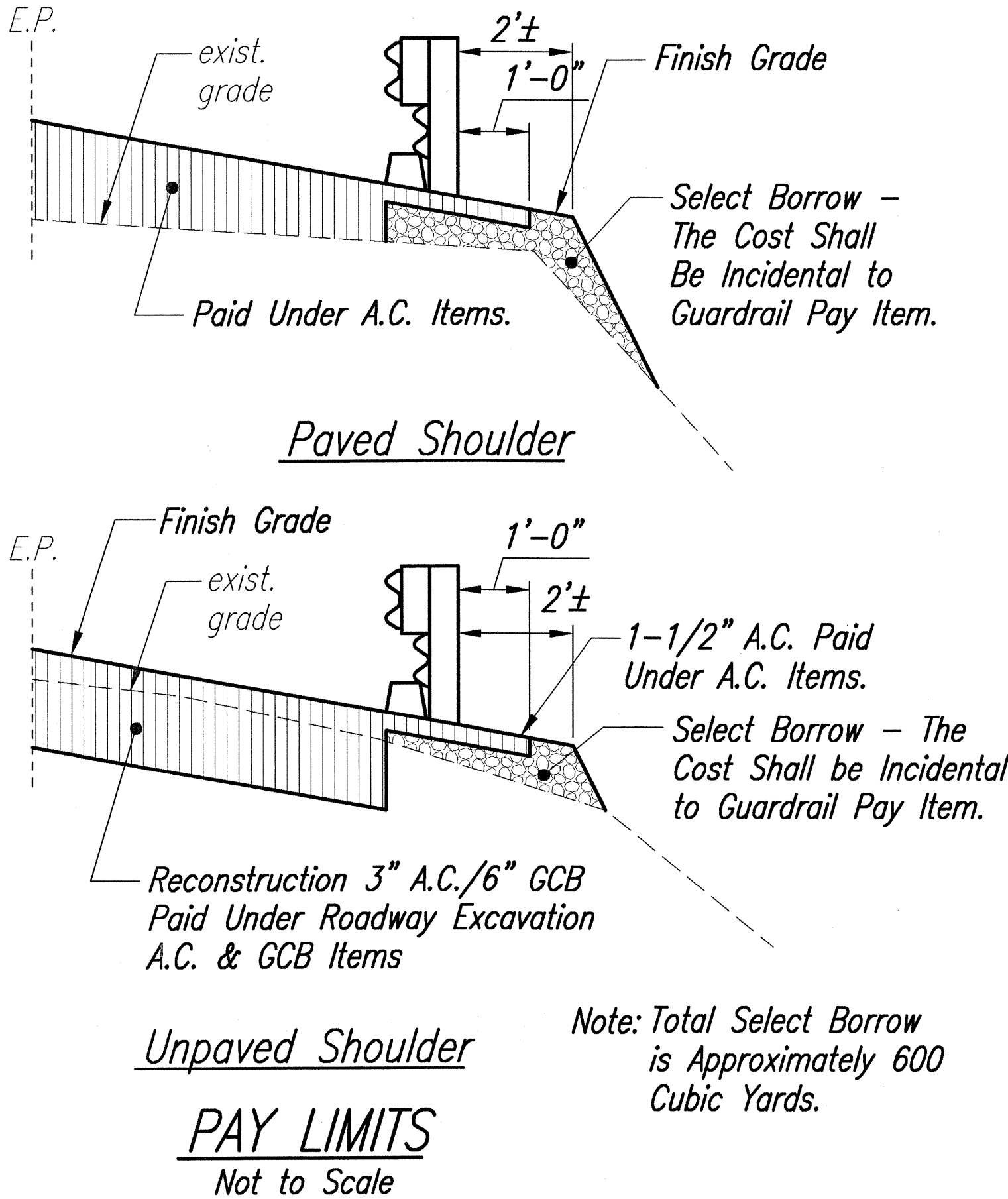
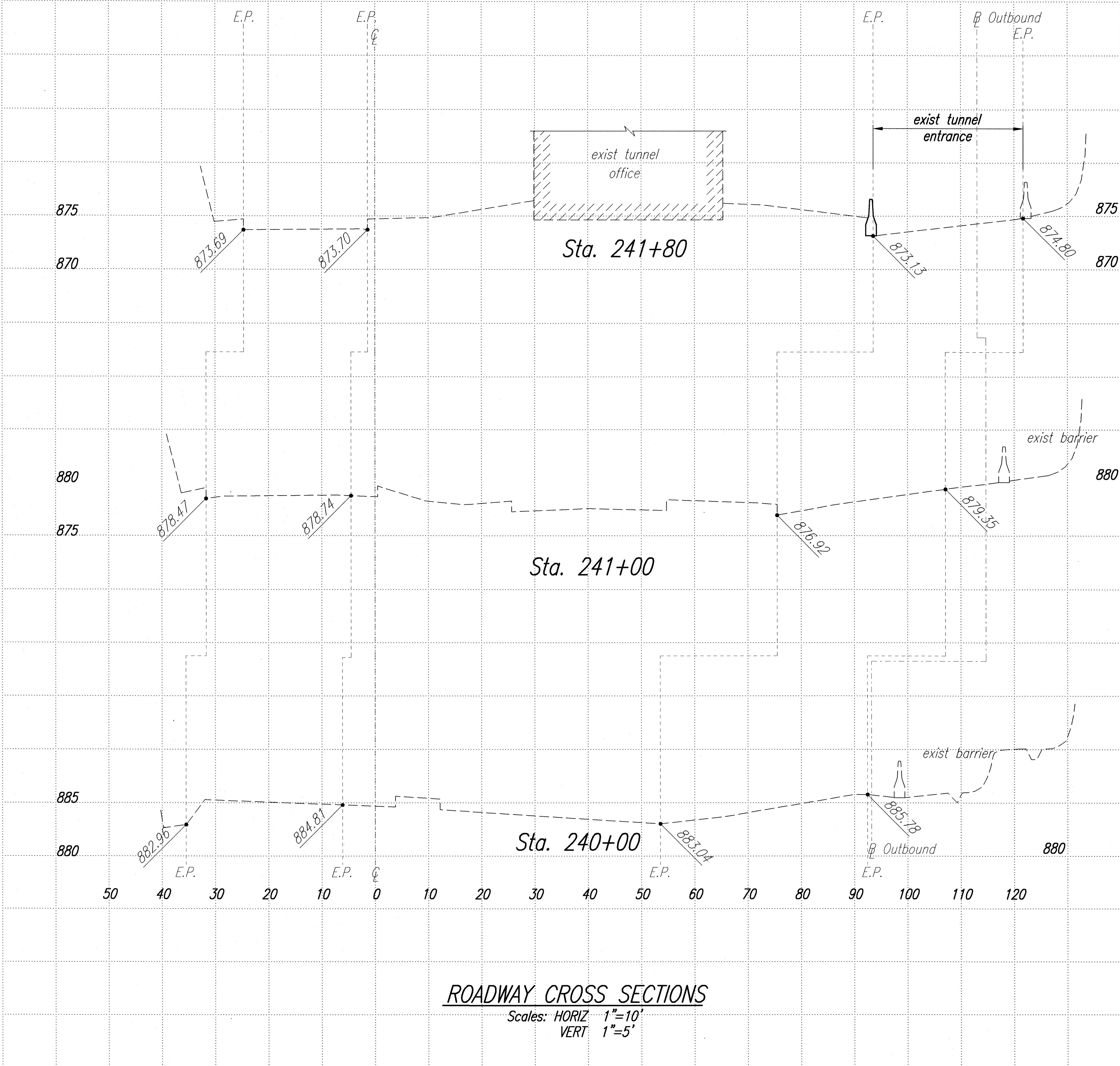
STA. 233+00 TO STA 239+00

LIKELIKE HIGHWAY RESURFACING
Emmeline Place to the Wilson Tunnel
F. A. Project No. CM-STP-063-1(21)

Scale: As Shown Date: December, 2001

SHEET No. 20 OF 21 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CM-STP-063-1(21)	2002	69	187



	INBOUND		OUTBOUND	
	EXC	EMB	EXC	EMB
TOTAL	48.9 C.Y.	943.9 C.Y.	464.5 C.Y.	1418.1 C.Y.
ROUNDED TOTAL	50 C.Y.	950 C.Y.	470 C.Y.	1420 C.Y.

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DESIGNED BY	
NOTED BY	
CHECKED BY	
NO.	

ROADWAY CROSS SECTIONS
Scales: HORIZ 1"=10'
VERT 1"=5'

ALAN Y. TOMITA
LICENSED PROFESSIONAL ENGINEER
NO. 4128-C
HAWAII, USA

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OR UNDER MY SUPERVISION.

Alan Y. Tomita

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CROSS SECTIONS
STA. 240+00 TO STA 241+80
LIKELIKE HIGHWAY RESURFACING
Emmeline Place to the Wilson Tunnel
F. A. Project No. CM-STP-063-1(21)
Scale: As Shown Date: December, 2001

SHEET No. 21 OF 21 SHEETS