DIST	COUNTY	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
IV	SF	GG	Br Appr	1	39

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

PLAN OF HIGHWAY

In the City and County of San Francisco, between the Toll Plaza and Route 56

Scales as shown

INDEX OF SHEETS

Sheet No. 1 Title Sheet
" " 2 Typical Cross Section of Improvement
" " 3-5 Existing Topography
" " 6-8 Construction Details
" " 9-11 Drainage Details
" " 12-14 Pavement Elevations
" " 15 Quantity Summaries
" " 16-22 Miscellaneous Drainage and Structure Details
" " 23 Standard Structures
" " 24 Standard Curb Sections
" " 25-39 Lighting and Electrical Details
" " 1-20 Cross Sections

BRIDGE PLANS

Sheet No. 1-8 Lincoln Blvd Undercrossing Widening
" " 1-3 Marina Approach Overcrossing Widening

AS BUILT PLANS
Contract No. 55-4ZC-1
Date Completed 8-1-55
Document No.

CONVENTIONAL SIGNS

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

Haul Routes

SCALE
500 0 500 1000 FEET

Length of Project 2616.00 Feet = 0.495 Mile

CONTRACT No. 55-4ZC1
DATE ACCEPTED AUG 5 1955
AS BUILT
RESIDENT ENGINEER J. B. Mo...
REVISIONS BY H.C.S. DATE 8/1/55

B. W. Booker
Approval Recommended
Approved June 14, 1954

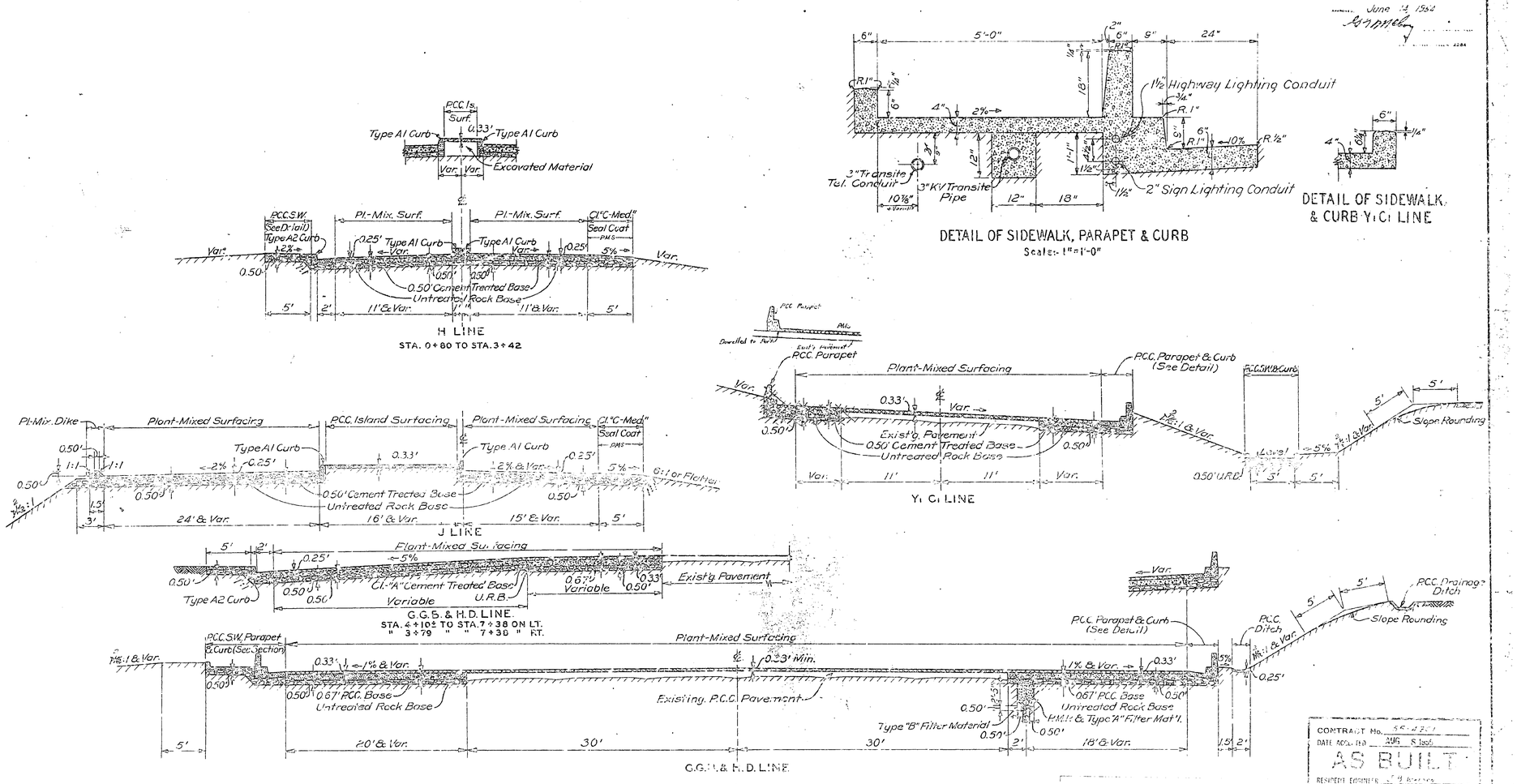
IV-D-8

	STATE	FEDERAL PROJECT No.	SHEET NO.	SHEETS
7	CALIF		2	

DESIGN CLASSIFICATION 6800-71-M-60

DIST.	COUNTY	ROUTE	POSTMILE	SHEET NO.	TOTAL SHEETS
IV	SF	G.G. Br. Appr.		2	39

June 14 1964



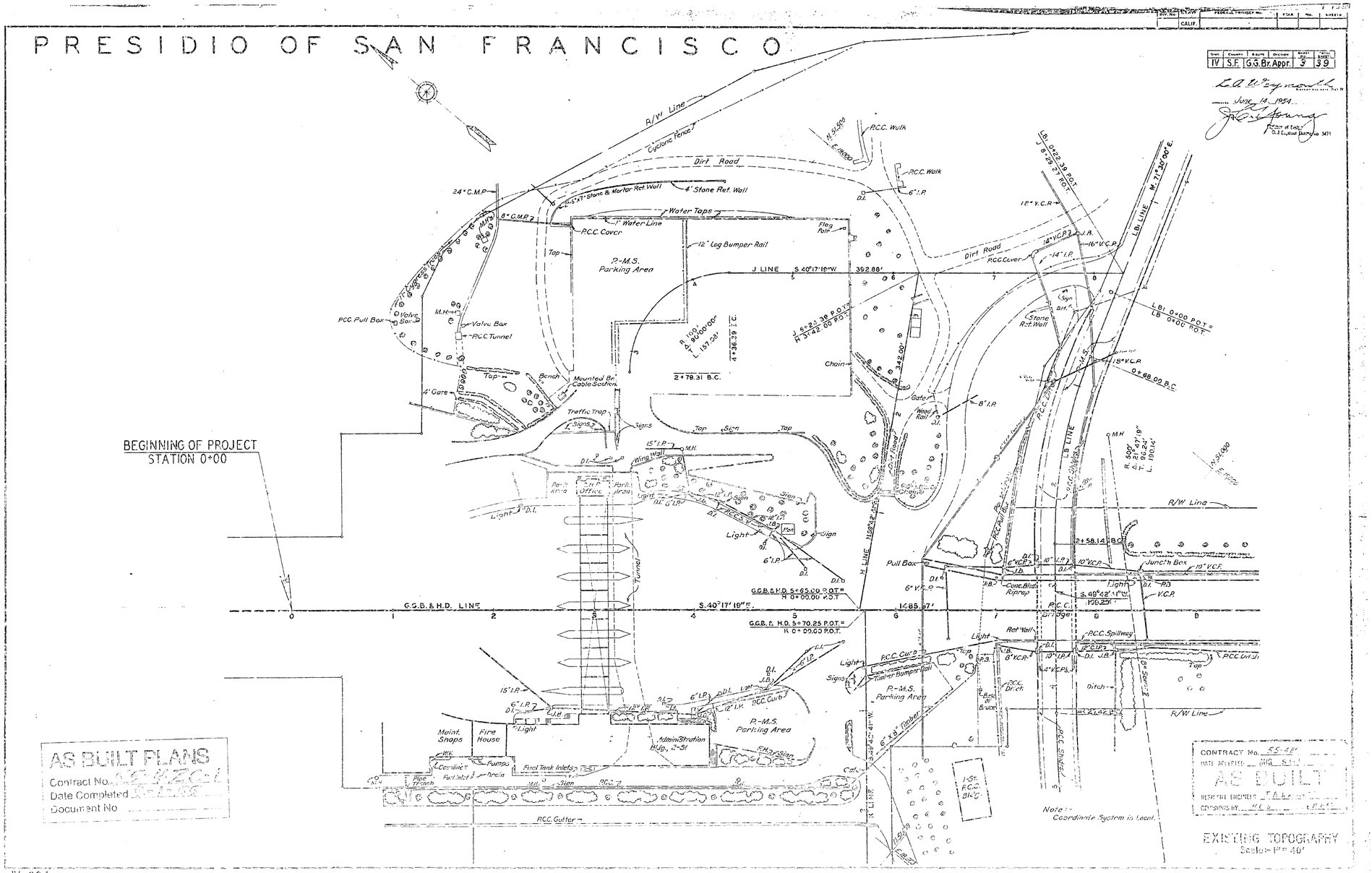
(IV-SF-G.G. Br. Appr.)
BETWEEN
PRESIDIO VIADUCT & TOLL PLAZA (G.G.B. & H.D.)

TYPICAL CROSS-SECTIONS
Scale:- 1"=1'

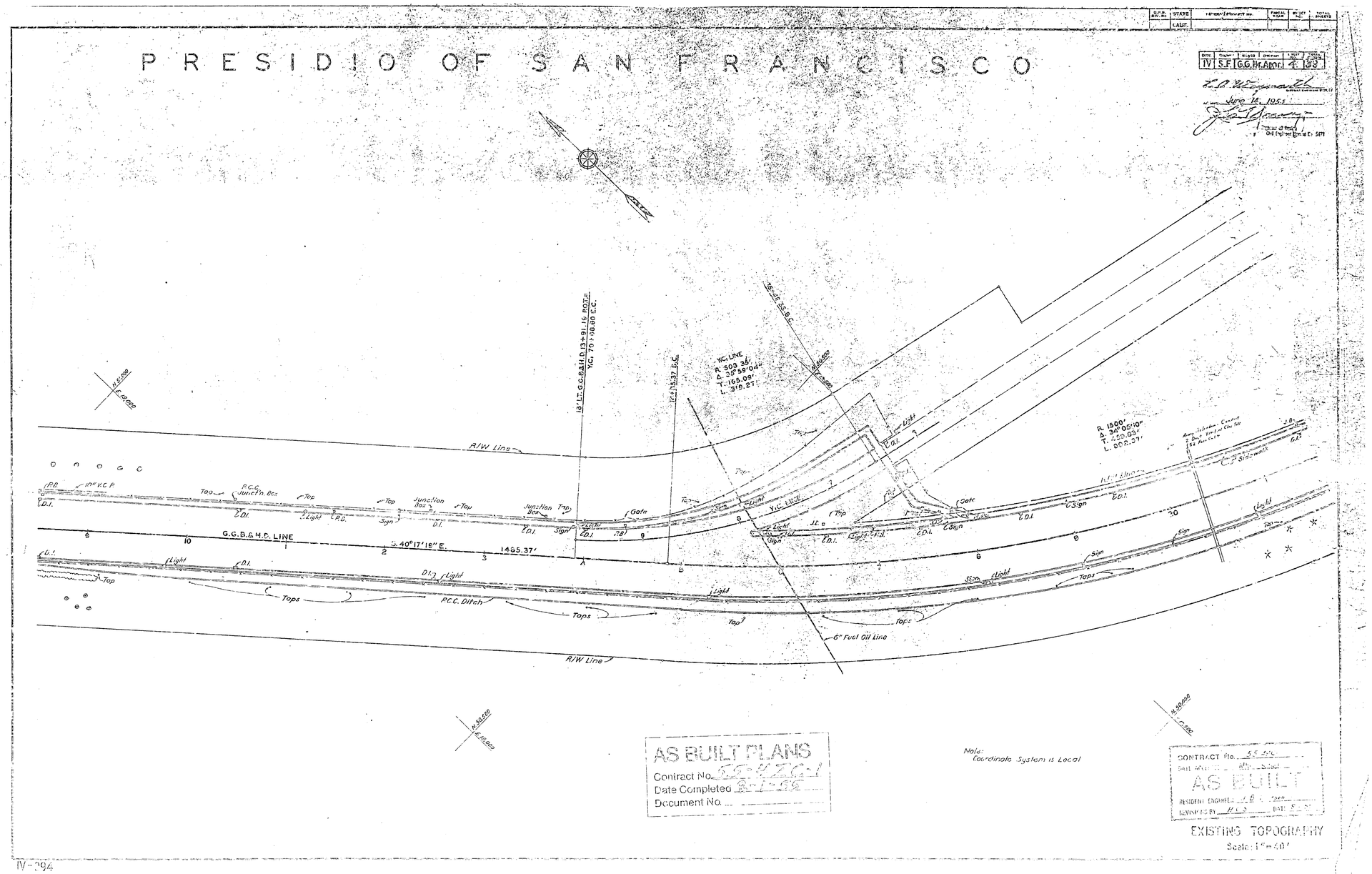
CONTRACT No. 55-4201
DATE ACCEPTED AUG 5 1965
AS BUILT
RESIDENT ENGINEER
REVISIONS BY
DATE

AS BUILT PLANS
Contract No. 55-4ZC-1
Date Completed 8-1-65
Document No

IV-994


PRESIDIO OF SAN FRANCISCO
IV S.F. G.G.Br.Appr. 3 39
June 14, 1954
BEGINNING OF PROJECT
STATION 0+00
R/W Line
Cyclone Fence
Dirt Road
4' Stone Ret. Wall
Water Taps
P.C.C. Cover
P-M.S. Parking Area
12" Log Bumper Rail
J LINE S.40°17'18"W 392.88'
Flag Pole
P.C.C. Walk
P.C.C. Pull Box
Valve Box
P.C.C. Tunnel
Mounted Br. Cable Section
Traffic Trap
Signs
Chain
Gate
Wood Rail
Pull Box
Junct'n Box
Conc. Block Riprap
P.C.C. Bridge
P.C.C. Spillway
Ditch
Timber Bumper Rail
P.C.C. Curb
Maint. Shops
Fire House
Fuel Tank Inlets
Pipe Trench
Administration Bldg., 2-St
P.C.C. Gutter
G.G.B. & H.D. LINE
S.40°17'19"E.
1485.97'
G.G.B. & H.D. 5+65.00 P.O.T. = H 0+00.00 P.O.T.
G.G.B. & H.D. 5+70.25 P.O.T. = K 0+00.00 P.O.T.
H LINE
K LINE
LB LINE
LB1 LINE
LB1 0+00 P.O.T. = LB 0+00 P.O.T.
LB1 0+22.39 P.O.T. = J 8+29.27 P.O.T.
LB1 0+00 P.O.T. = LB 0+00 P.O.T.
0+88.00 B.C.
2+79.31 B.C.
2+58.14 B.C.
Note:- Coordinate System is Local.
AS BUILT PLANS
Contract No.
Date Completed
Document No
CONTRACT No. 55-42
AS BUILT
EXISTING TOPOGRAPHY
Scale 1" = 40'

IV-994


PRESIDIO OF SAN FRANCISCO
IV S.F. G.G.Br.Appr. 4 '59
June 14, 1955
R/W Line
G.G.B.&H.D. LINE
S. 40°17'18" E.
1465.37'
P.C.C. Junct'n. Box
Junction Box
Gate
Sign
Light
Top
Taps
P.C.C. Ditch
6" Fuel Oil Line
Sidewalk
Note:
Coordinate System is Local
AS BUILT PLANS
Contract No.
Date Completed
Document No.
CONTRACT No.
AS BUILT
RESIDENT ENGINEER
REVISIONS BY
DATE
EXISTING TOPOGRAPHY
Scale: 1"=40'
IV-294

STATE
CALIF.
FEDERAL PROJECT NO.
FISCAL YEAR
SHEET NO.
TOTAL SHEETS
PRESIDIO OF SAN FRANCISCO
IV
G.G.Br. Appr.
5
39
June 1959
R/W Line
Y4 5+63.37 P.O.C.=
G.G.B.&H.D. 22+34.81 P.O.C.
R. 1500'
Δ. 34°05'10"
T. 459.83'
L 392.37'
P.C.C. Ret. Wall & Ditch
5' Sidewalk
Conduit Box
Light
Sign
Reflectors & Flash Signal
Signs
Exposed 1¼" Duct
G.G.B. & H.D. LINE
S. 73° 22' 30" E.
P.C.C. Ditch
Top
Trees & Shrubs
P.C.C. Ret. Wall
Y4 LINE
15" C.M.P.
12" C.M.P.
8" C.M.P.
2-St. Stu. Ho.
Y2
R. 830.52'
Δ. 20°43'59"
T. 151.93'
L. 300.53'
7+71.38 P.R.C.
67+05.64 P.C.C.
18' RT. G.G.B.& H.D. 21+44.61 P.O.C. = Y2 70+00.16 E.C.
END OF PROJECT
N. 50,000
E. 25,000
Note:
Coordinate System is Local.

IV | SF | GG Br Appr

CURVE ALIGNMENT DATA

NO	Radius	Delta	Length
1	162.5'	14° 14' 48"	40.42
2	46.40'	35° 30' 52"	28.76
3	221.59'	17° 50' 30"	18.44
4	60'	72° 07' 29"	25.18
5	41'	62° 27' 23"	5' 14
6	34'	27° 00' 24"	16.03
7	15'	142° 41' 11"	37.37
8	70'	101° 21' 53"	72.13
9	135.75'	23° 42' 14"	56.16
10	142'	16° 05' 11"	39.85
11	100'	16° 57' 16"	29.59
12	28'	51° 17' 43"	25.07
13	35'	92° 39' 20"	56.60
14	80.33'	61° 34' 26"	86.23
15	222.77'	06° 41' 52"	26.01
16	52'	23° 04' 26"	20.94
17	438.11'	08° 39' 48"	66.25'
18	45'	70° 42' 03"	55.53'
19	250'	19° 33' 52"	86.85'
20	58'	43° 36' 17"	44.14'
21	243.22'	08° 25' 44"	37.20'
22	196.44'	28° 32' 00"	97.83
23	73.08'	28° 22' 44"	36.52'
24	35.34'	38° 47' 36"	36.86
25	33.46'	54° 00' 18"	31.56'
26	28.25'	49° 54' 47"	24.61'
27	53.41'	17° 25' 34"	16.97'
34	175.14'	38° 19' 30"	32.90'
35	123.3'	32° 07' 01"	69.08'
36	188.82'	7° 36' 01"	25.71'
37	85'	1° 58' 42"	85.78'
38	120'	30° 07' 12"	63'
39	125'	46° 35' 26"	55.06'
40	75'	83° 19' 41"	109.04'
41	95'	14° 36' 57"	24.22'
42	50'	26° 30' 47"	23.14'
43	60'	58° 42' 05"	61.47'
44	25'	53° 56' 38"	28.39'
45	120'	21° 02' 22"	44.07'

CURB FLARES

		Offset
A	25'	2'
B	45'	3'
C	40'	3'
D	30'	2'

BEGINNING OF PROJECT
STATION 0+00

Notes:—

* All Ties to Island Curb Noses are to Center of Curve

Place Marker at Point of Curve (P.C. or P.T.) as Directed by the Engineer.

Indicates Proposed Water Line with 3/4" Hose Bibb at 1" Gate

Hose Bibbs to be placed 14 apart unless Shown Where as

All Curb Island Noses are 1 Radius Type with the

AS BUILT PLANS
Contract No. 55-4ZC-1
Date Completed 3-1-55
Document No. _____

CONSTRUCTION DETAILS
Scale 1" = 40'

IV-99A

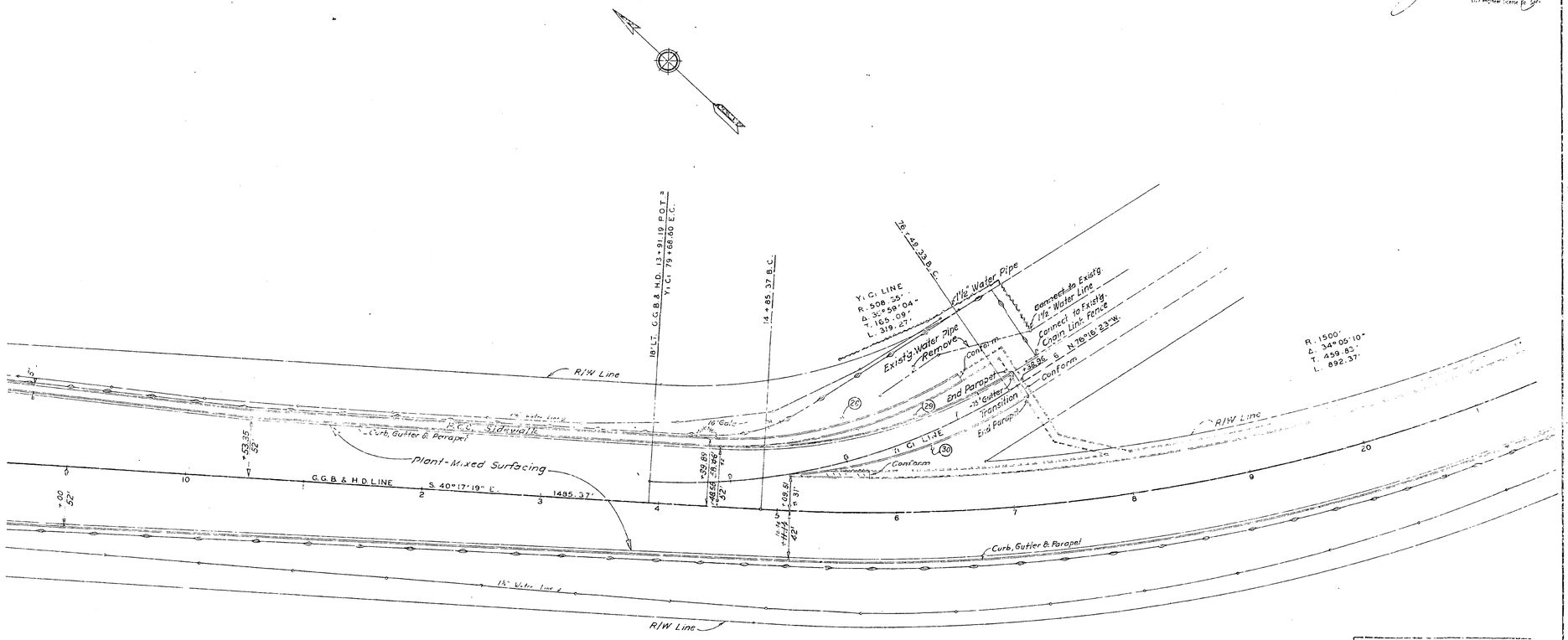
I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DRAWING TAKEN FROM MY DIRECTION AND CONTROL ON THIS DATE IN CONFORMITY WITH AND SUBJECT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

	STATE	FEDERAL PROJECT No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
	CALIF				

DIST.	COUNTY	ROUTE	POST MILE	SHEET No.	TOTAL SHEETS
IV	S.F.	S.G.Br.	Appr.	7	39

L. A. Weymouth
June 14, 1954

Jas. C. Young
Licensed Engineer
Civil Engineer License No. 5...



CURVE ALIGNMENT DATA

No.	Radius	Delta	Length
28	347.50'	35°59'04"	
29	413'	35°59'04"	259.45'
30	437'		

AS BUILT PLANS
Contract No. 55-4 Z.C.-1
Date Completed 8-1-55
Document No.

CONTRACT No. ...
AS BUILT
REVISED ...

LEGEND
Chain Link Fence
Second Story

CONSTRUCTION DETAILS
Scale: 1" = 40'

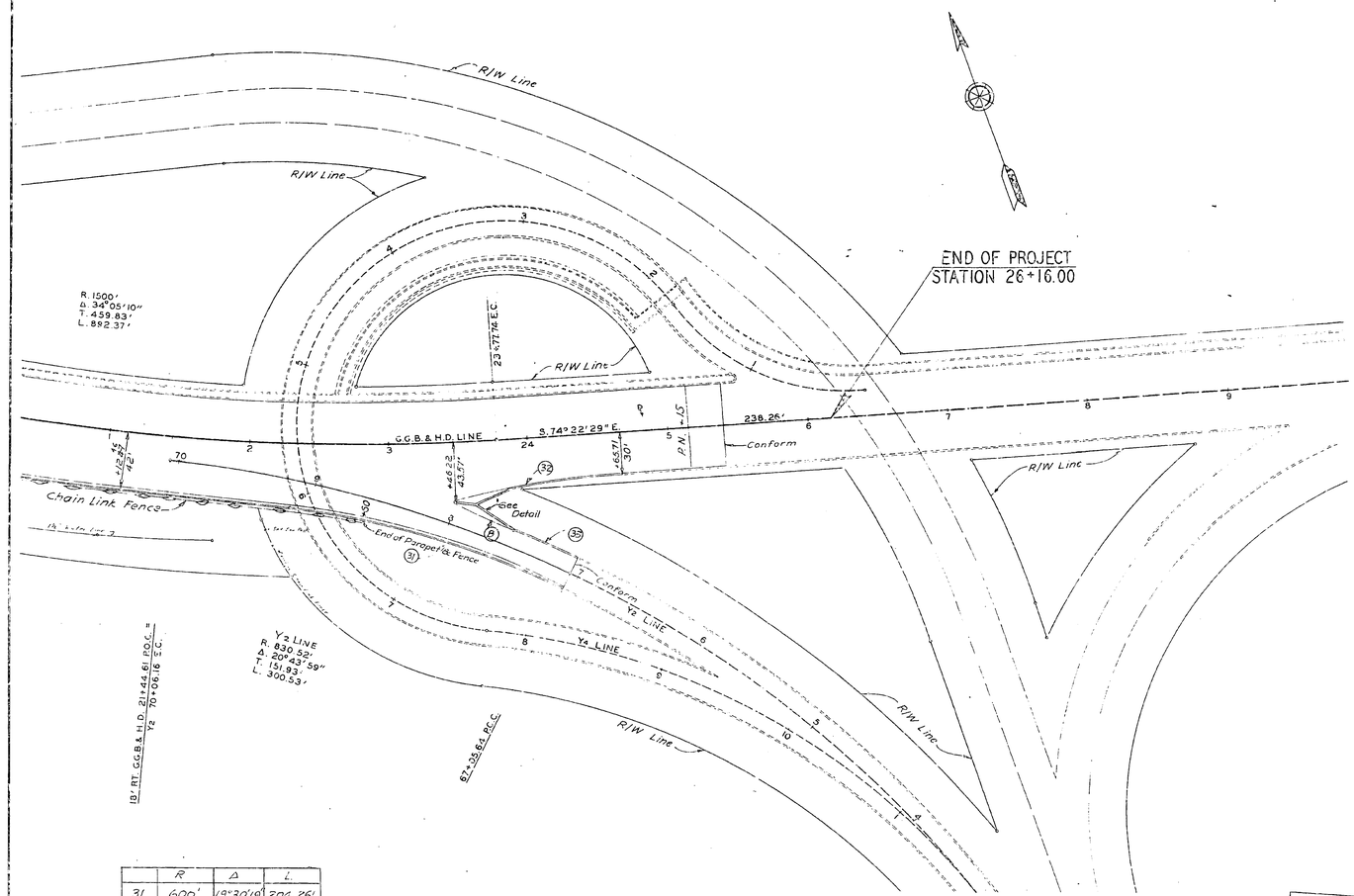
IV-994

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE INCLUDED TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PERSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

B.P.R. Div. No.	STATE	FEDERAL PROJECT No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
	CALIF.				

DIST.	COUNTY	ROUTE	SHEET No.	TOTAL SHEETS
17	S.F.	G.G. Br. Appr.	8	33

E.A. Weymouth
June 14, 1954
H.B. Young
Deputy State Highway Engineer



	R	Δ	L
31	600'	19°30'19"	204.26'
32	600'	11°35'42"	121.43'
33	624'		

AS BUILT PLANS
Contract No. 55-82 F.C.-1
Date Completed 8-6-58
Document No.

CONTRACT No. 55-82F.C.-1
AS BUILT
DISTRICT ENGINEER J.B. Hazen
REVISED DATE H.C.S. DATE 12-59

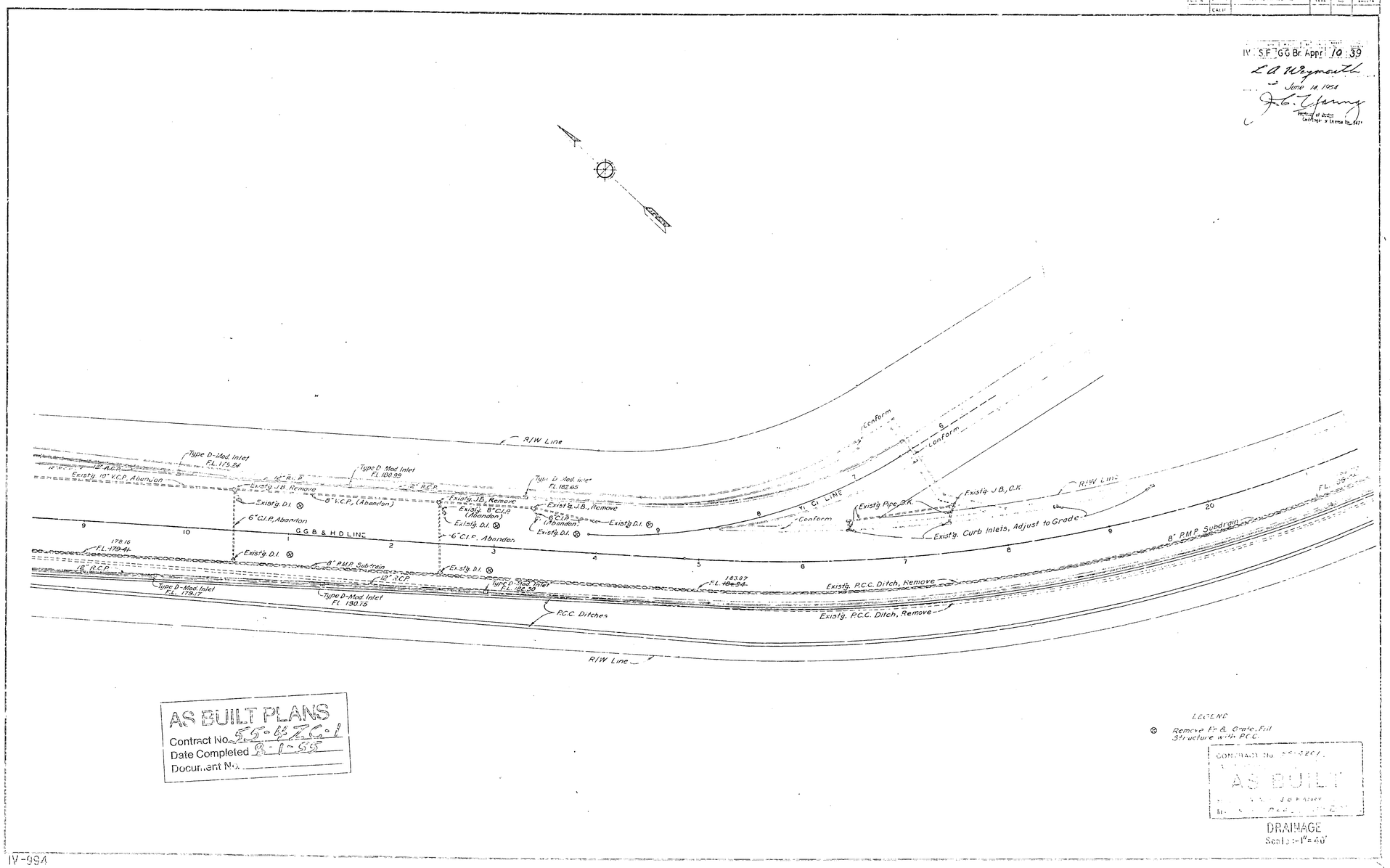
LEGEND
Chain Link Fence
Second Story

CONSTRUCTION DETAILS
Scale: 1" = 20'

IV-994

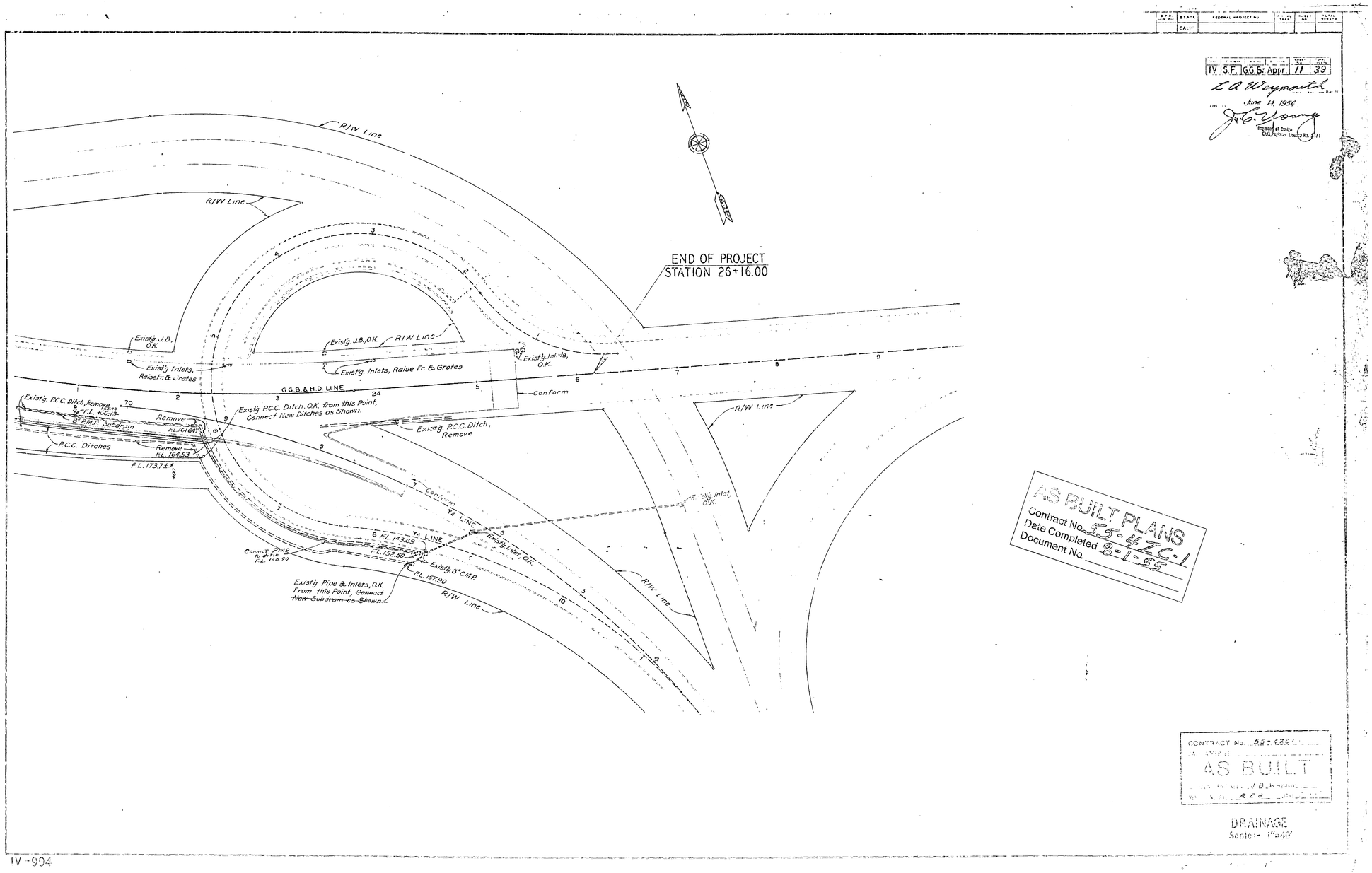
I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE, IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION



IV. S.F. G.G. Br. Appr. 10:39
L. A. Weymouth
June 14, 1954
R/W Line
Type D-Mod. Inlet F.L. 175.24
Type D-Mod. Inlet F.L. 180.99
Type D-Mod. Inlet F.L. 182.65
Type D-Mod. Inlet F.L. 179.17
Type D-Mod. Inlet F.L. 180.75
Type D-Mod. Inlet F.L. 182.50
Existg. 10" V.C.P. Abandon
Existg. J.B. Remove
8" V.C.P. (Abandon)
6" C.I.P. Abandon
Existg. D.I.
G.G.B. & H.D. LINE
8" P.M.P. Subdrain
12" R.C.P.
Existg. J.B. Remove
Existg. 8" C.I.P. (Abandon)
Existg. J.B., Remove
Existg. Pipe, O.K.
Existg. J.B., O.K.
Existg. Curb Inlets, Adjust to Grade
Conform
Existg. P.C.C. Ditch, Remove
P.C.C. Ditches
8" P.M.P. Subdrain
AS BUILT PLANS
Contract No. 55-47C-1
Date Completed 8-1-55
Document No.
LEGEND
Remove Fr. & Grate, Fill Structure with P.C.C.
AS BUILT
DRAINAGE
Scale: 1" = 40'

IV-994



IV	S.F.	G.G.B.	Appr.	11	39

L. A. Weymouth
June 14, 1954
J. C. Young
Engineer of Design
Civil Engineer Unit No. 5171

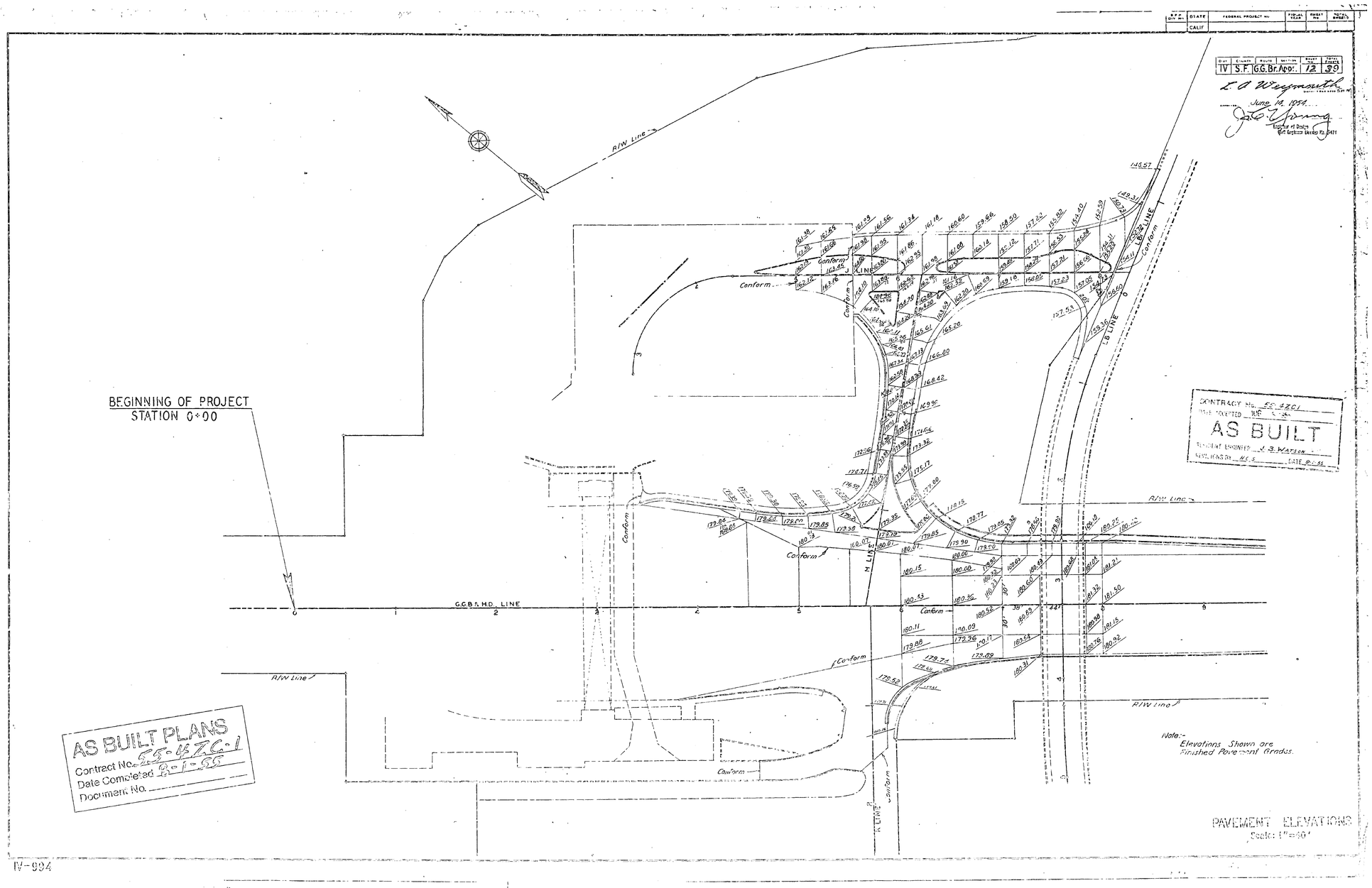
AS BUILT PLANS
Contract No. 55-47C-1
Date Completed 8-1-55
Document No.

CONTRACT No. 55-47C-1
AS BUILT
J. B. Johnson
R. F. C.

DRAINAGE
Scale:- 1"=40'

IV-994

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.



IV-994

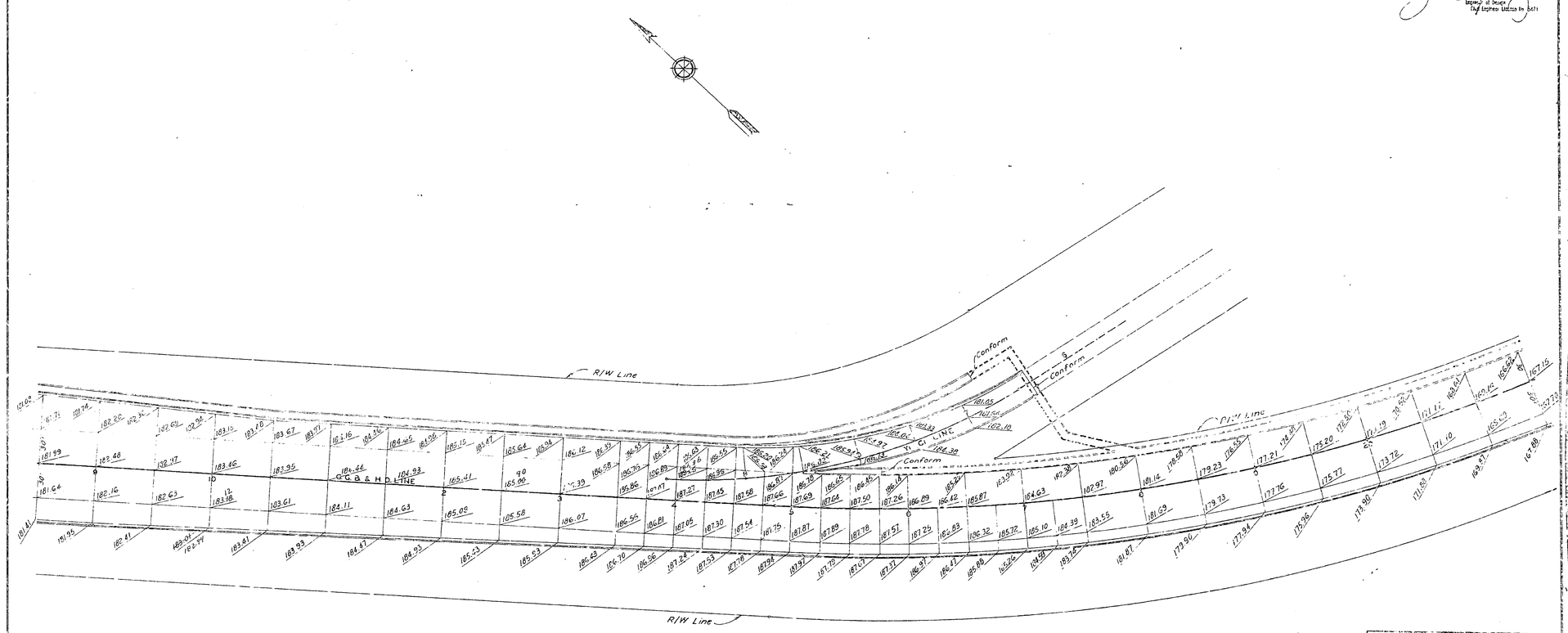
I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

D.P.R. DIV. NO.	STATE	FEDERAL PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	CALIF.				

DIST.	COUNTY	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
IV	S.F.	G.G. Br.	Appr.	13	39

L. A. Weymouth
DISTRICT BRIDGE DEPT. IV
June 14, 1954

J. E. Young
Engineer of Design
Civil Engineer Licence No. 5471



AS BUILT PLANS
Contract No. 55-4ZC-1
Date Completed 8-1-55
Document No.

CONTRACT NO. 55-4ZC
AS BUILT
DIST. ENGR. DIST. IV Marquis
ACT. DIST. ENGR. F.C.S.

Note -
Elevations Shown are Finished Pavement Grades.

PAVEMENT ELEVATIONS
Scale: 1" = 40'

IV-994

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA, PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

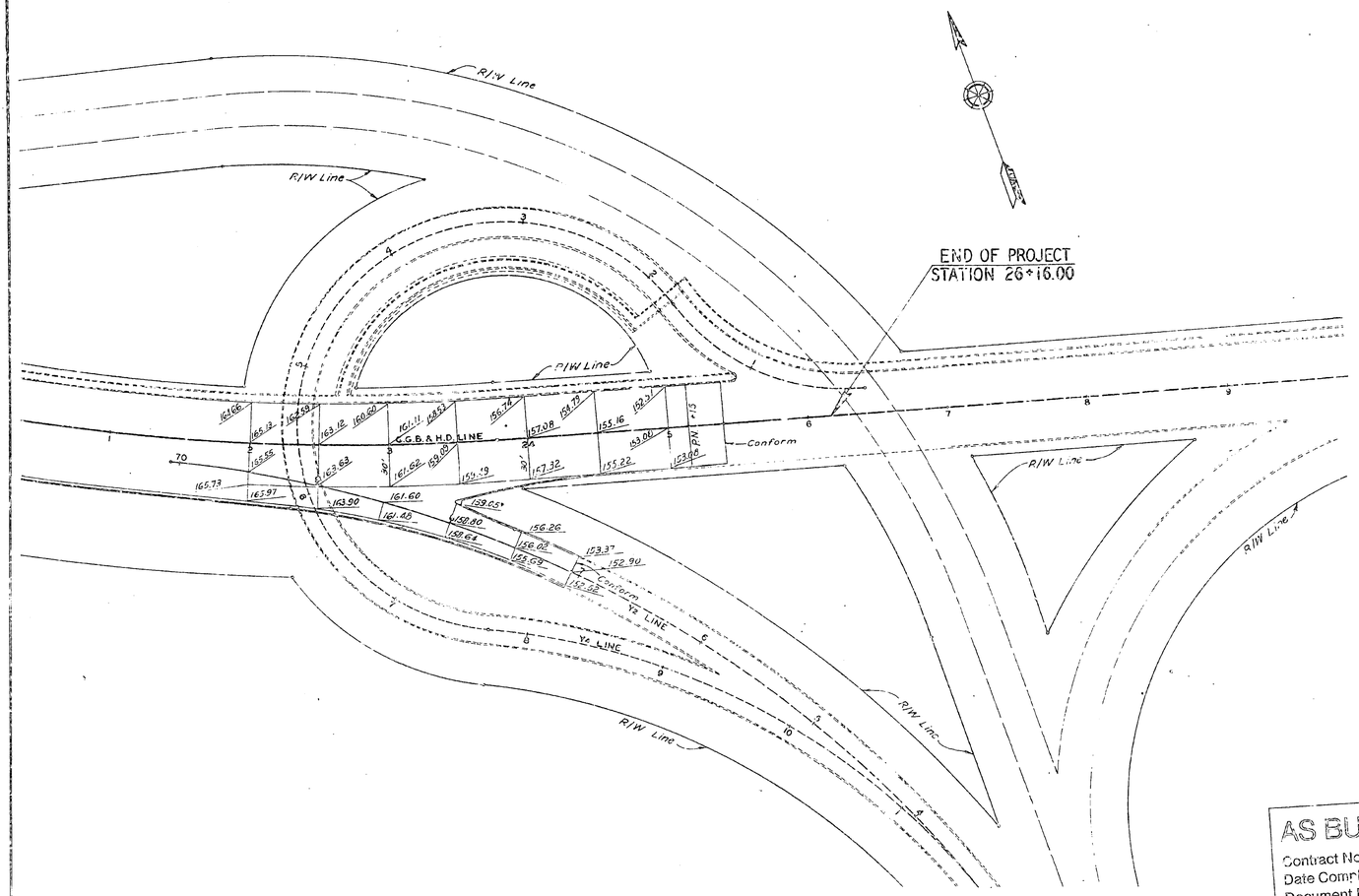
D.P.R. C.V. No.	STATE	FEDERAL PROJECT No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
	CALIF.				

DIST.	COUNTY	ROUTE	BRIDGE	SHEET No.	TOTAL SHEETS
IV	S.F.	G.G. Br. Appr.		14	39

L. A. Weymouth
Director of Public Works

June 14, 1954

J. C. Young
Director of Design
Civil Engineer License No. 5471



AS BUILT PLANS
Contract No. 55-4ZC-1
Date Completed 8-1-55
Document No.

CONTRACT No. 55-4ZC-1
AS BUILT
J. B. Warren

Note:-
Elevations Shown are Finished Pavement Grades

PAVEMENT ELEVATIONS
Scale: 1"=40'

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

STRUCTURE LIST (DRAINAGE & SANITARY SEWER)

Station	Location	Description	R.C.P. 12"	R.C.P. 18"	C.M.P. 12"	C.M.P. 18"	C.I.P. 8"	P.M.P. 8"	Structure Exc.	Structure Backfill	Conc. Removal	Class "A" P.C.C.	Class "B" P.C.C. (Curbs, Gutters)	Class "B" P.C.C. (Ditch Lining)	Ditch & Chan. Exc.	Reinf. Steel	Misc. Iron & Steel	Adj. Inlet & Jct. Bx. to Grade	Aband. Exist'g. Drop Inlets	New M.I.	Type A Filter Mat'l.	Type J Filter Mat'l.
			Lin. Ft.						Cu. Yds.							Lbs.		Ea.		Lin. Ft.	Tons	
H 2+03	1'Lt.-22'Rt.	Place 12" R.C.P., 2-A2 Inlets & 1-Std. Hdwall.	34						22	17		.215				155	1030					
H 2+03 to J 7+72	22'Rt.-28'Rt.	Constr. P.C.C. Ditch												6.75	15							
J 7+50	30' Rt.	Exist'g. Headwall, Remove									0.6											
J 7+55 to 7+70	31'-78' Rt.	" P.C.C. Ditch, "									2.0											
J 7+70 " 7+72	78'-28' Rt.	Constr. P.C.C. Ditch & A2 Inlet							5	3		1.01		1.83	6	85	360					
J 7+72 " LB 0+27	28'-19' Rt.	Place 12" R.C.P.	26						9	8												
J 7+85	46' Lt.	Constr. Type A2 Inlet	6						3	2		.63				50	360					
J 7+85	37' Lt.	Exist'g. Manhole, Raise to Grade																1				
LB 0+27	19' Rt.	Exist'g. Inlet, Adjust Fr. & Gr. to Grade																1				
G.G.B. & H.D. Line																						
4+26	107' Lt.	Exist'g. Junct'n. Box, Adj. to Grade																1				
4+73	78' Rt.	" " " " "																1				
4+79	80' Lt.	" " " " "																1				
6+50	44' Lt.	" " " Remove									1.8											
6+52	29'Rt.-32'Lt.	Exist'g. 6" V.C.P. & 2-Inlets, Abond. Pipes, Plug Inlets											0.12						2			
7+00	35'-65' Rt.	" Junct'n. Box & P.C.C. Ditch, Remove									2.8											
7+10 to 7+16	45'-75' Lt.	" " " " "									3.5											
7+02 " 7+38	60' Rt.	Place 12" C.M.P., Constr. 1-Type D3 Inlet			36				17	14		1.32				110	156					
7+38	45'Lt.-45'Rt.	Exist'g. Inlets, Remove									3.7											
7+38 to 7+80	75' Lt.	Place 12" R.C.P., Constr. 1-Type A2 Inlet	35						15	12		0.78				65	360					
7+36 " 7+80	60'-62' Rt.	" " " " 2- " " Inlets	36						14	10		1.22				100	720					
7+80	40'-62' Rt.	Place 18" R.C.P.		18					1	3												
7+80	75' Lt.	Constr. 1-Type A2 Inlet							3	2		0.67				60	360					
7+80	45' Lt.	Exist'g. Inlet, Remove & Place 18" R.C.P. Connect'n		5							2.3											
7+80	45' Rt.	" " " " " "		5							2.0											
7+80 to 8+15	32' Rt.	" P.C.C. Spillway - Remove									1.4											
7+80 - 8+18	62' Rt.	Place 18" C.M.P. & Constr. Type D3 Inlet				36			18	14		1.33				110	136					
7+80 " 8+12	75' Lt.	Place 12" C.M.P. & Constr. Type D3 Inlet			35				18	17		1.29				110	136					
8+18	32'-40' Rt.	Exist'g. P.C.C. Ditch - Remove									1.0											
8+18	52'-62' Rt.	Place 12" R.C.P.	8						4	4												
8+18	64'-75' Lt.	Place 12" R.C.P.	9						4	3												
8+18	45'-75' Lt.	Exist'g. P.C.C. Ditch - Remove									1.2											
8+18	40'-62' Rt.	" P.C.C. " "									1.0											
8+18	40' Rt.	" Junct. Box - Remove									1.3											
8+18 to 22+28	33'-40' Rt.	" P.C.C. Ditch - Remove									50.0											
8+18 " 22+16	40'-50' "	" " " "									50.0											
8+18 " 22+20	62'-68' "	Constr. P.C.C. Ditch												45.1	95							
9+18 " 22+32	62'-43' "	" " "												29.83	50							
8+18 " Y48+55	30'-26' "	Place 6" P.M.P. and Filter Mat'l.						1670	297	18											294	120
8+18 " 12+92	44' Rt.	Place 12" R.C.P. & Constr. 4 Type D Modified Inlets	455						156	130		5.00				440	1440					
8+18 " 13+29	50' Lt.	" " " " " " "	500						177	147		5.09				400	1440					
7+79 " 8+44	72'Lt.-55' Rt.	Place 8" C.I.P. & 2 Sewer Manholes					250		30	16							2250			10		
8+45 " 10+68	40' Lt.	Exist'g. 10" Clay Pipe & Junction Box Aband. Pipe & Remove Box																				
[illegible]	30' Rt.	8 Exist'g. Inlets Remove Grates & Plug											[illegible]						3			
6+50 to 14+00	30' Lt.	5 Exist'g. Inlets Remove Grates & Plug											0.30						5			
10+45 " 13+35	40' Lt.	Exist'g. 8" Clay Pipe & 3 Jct. Boxes Abandon Pipe & Remove Boxes									5.7											
16+50 " 24+00	30' Lt.	8" Exist'g. Inlets - Adjust Frames & Grates to Grade																8				
23+30 " 24+65	32' Rt.	Exist'g. P.C.C. Ditch - Remove									3.8											
		Totals	1113	28	71	36	250	1670	798	428	148.0	20.39	0.60	81.13	165	1705	5128	13	10	10	294	120

CHAIN LINK FENCE & GATES

Station	Location	Lin. Ft.	Gate Size
G.G.B. & H.D. 6+18 to G.G.B. & H.D. 7+38	60'-52' Rt.	60	
G.G.B. & H.D. 7+11 " G.G.B. & H.D. 7+38	72' Lt.	27	
G.G.B. & H.D. [illegible] " G.G.B. & H.D. 8+34	57' Rt.	24	
G.G.B. & H.D. 8+34 " G.G.B. & H.D. 8+58	57' "		12'
G.G.B. & H.D. 7+82 " G.G.B. & H.D. 14+30	71'-58' Lt.	648	
G.G.B. & H.D. 14+30 " G.G.B. & H.D. 14+46	20' Lt.		13'
G.G.B. & H.D. 8+36 " Y1C1 56+60	57' Rt. to 5' Lt.	1460	
G.G.B. & H.D. 14+46 " Y1C1 6+15	59' Lt. - 13' Rt.	388	
Total		2750	[illegible]

JOS. B. STRAUSS MEMORIAL STA. J 2+71 - 77' Lt.

Item	Cu. Yd.
Cl. "A" P.C.C. (Structure)	6.88
Cl. "B" P.C.C. (Curb & Gutter)	1.86
Structure Excavation	12.1
Structure Backfill	2.2

CLASS "B" P.C.C. CURB & GUTTER

Station	Location	Type	Lin. Ft.	P.C.C. Cu. Yds.	Reinf. Stl. Lbs.
G.G.B. & H.D. 3+41 to H 2+89	104'-60' Lt.	A2 Curb & Gutter	428'	27.30	0
G.G.B. & H.D. 3+79 to 5+44	95'-107' Rt.	A2 " " "	180'	11.48	0
" 4+58 " 5+45	156' to 130' Rt.	A1 Curb	92'	2.34	0
" 4+93 " 5+50	176' Rt.	Extend Exis'g. Curb	57'	2.69	0
" 5+84 " 6+12	1.9'-77' Rt.	A2 with Transition	52.11'	3.51	0
" 6+12 " Y2C 68+60	75'-20' Rt.	Curb, Gutter & Parapet	1660'	225.02	7244
" 6+32 " Y1C 66+81	107' Lt. to 81' Rt.	Sidewalk Curb	1215.91'	11.49	0
" 6+51 " Y1C1 76+39	80' Lt.-12' Rt.	Curb, Gutter & Parapet	1015.5'	136.43	4432
" 15+09 " 15+73	32' Lt.	Curb & Parapet	63'	6.12	75
" 15+45 " 15+75	37' Lt.	Sidewalk Curb	30'	0.28	0
" 23+46 " 23+98	43'-66' & Var. Rt.	Curb Nose, Parapet & Surf.	96'	18.54'	452
" 23+99 " 24+66	34'-30' Rt.	Curb & Parapet	66'	6.42	288
H 0+80 to 3+22	℄ Island	A1 Curb	556'	17.15	0
" 0+94 " 1+59	71'-18' Rt.	A2 with Transition	8..18'	6.05	0
" 2+86 " 3+22	20' Lt.	B1 Curb	108'	3.16	0
" 3+20 " 3+28	20' Rt.	B1 Curb	24'	0.70	0
J 4+59 " 6+08	℄ & Lt.	B1 Curb	300'	8.79	0
" 6+38 " 8+11	℄ & Lt.	B1 Curb	360'	10.55	0
" 8+00	20' Rt.	B1 Curb	22'	0.64	0
LB 2+54 to 3+78	15'-20' Lt. & Rt.	Replace Gutter	100'	11.11	0
Y1C1 76+38.89 to G.G.B. & H.D. 15+09	12' to 0' Lt.	Curb, Gutter & Parapet	212'	28.48	925
Y2C 67+05 to 67+50	12'-15' Rt.	Curb & Gutter	41'	2.90	0
" 66+60 " 67+05	12'-17' Lt.	Curb & Gutter	155'	10.96	0
Totals				550.62	13,416

CLASS "B" P.C.C. SIDEWALK & ISLAND SURFACING

Station	Location	Type	Sq. Ft.	Cu. Yds.
G.G.B. & H.D. 3+41 to H 2+39	106' to 65' Lt.	5' Sidewalk	2050	25.31
" 3+79 " 5+44	95'-107' Rt.	" "	620	7.65
" 6+51 " Y1C1 66+81	112' Lt. to 31' Rt.	" "	5403	66.70
H 0+80 to 3+22	℄ Island	4" Island Surfacing	1376	16.99
" 2+86 " 3+22	20' to 40' Lt.	" " "	544	6.72
" 3+20 " 3+28	20' Rt.	" " "	32	0.39
J 4+59 " 6+08	℄ & Lt.	" " "	2112	26.07
" 6+38 " 8+11	℄ & Lt.	" " "	2736	33.78
" 8+00	20' Rt.	" " "	32	0.39
Total				184.00

SALVAGE TIMBER FENCE & BUMPER RAIL

Station	Location	Lin. Ft.
J 3+19 to J 3+66	23' Lt.-24' Rt.	75
J 3+66 " J 4+02	24' Rt.-26' Lt.	75

RECONSTRUCT TIMBER FENCE & BUMPER RAIL

Station	Location	Lin. Ft.
J 3+19 to J 4+02	23' Lt.-26' Lt.	100

CONCRETE REMOVAL EXCEPT DRAINAGE

Station	Location	Cu. Yds.
G.G.B. & H.D. 3+41 to		
G.G.B. & H.D. 24+66	Lt. & Rt.	800

METAL PLATE GUARD RAIL

Station	Location	Lin. Ft.
J 5+07 to J 6+[illegible]	47' Lt.	50

PLANT MIXED DIKE

Station	Location	Lin. Ft.
J [illegible] to J 7+25	38'-33' Lt.	250
J 7+77 " J [illegible]	26' Rt.-25' Rt.	50
	Total	298

HORIZONTAL REFLECTOR UNITS

Station	Location	Ea.
G.G.B. & H.D. 6+18	78' Lt.	1
G.G.B. & H.D. 23+40	44' Rt.	1
J 4+58	4' Lt.	1
J 5+71	18' Rt.	1
J 6+01	7' Lt.	1
J 6+21	17' Rt.	1
J 7+35	17' Rt.	1
J 8+02	17' Rt.	1
J 8+11	6' Lt.	1
H 3+20	20' Rt.	1
Total		10

Dist.	County	Route	Section	Sheet No.	Total Sheets
IV	S.F.	1-S.F.-56-S.F.		15	39

E. Q. Wymouth

June 15, 1954

J. C. Young

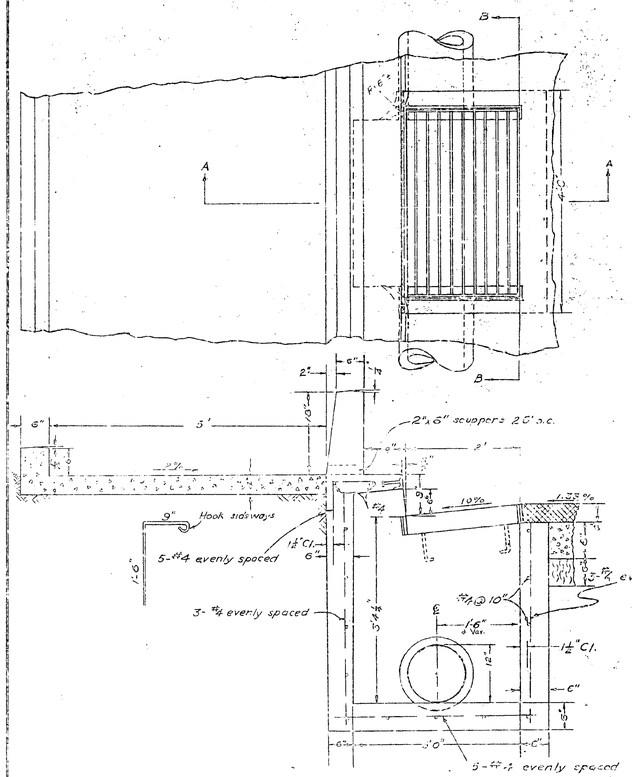
AS BUILT PLANS
Contract No. 55-4ZC-1
Date Completed 2-1-55
Document No.

DIST.	COUNTY	ROUTE	FACILITY	SHEET NO.	TOTAL SHEETS
11	SD	5	CCR-(10PM-4)	16	30

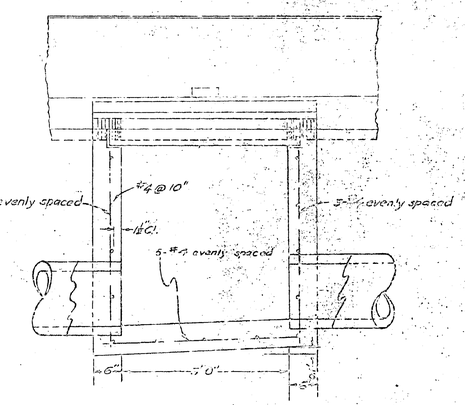
L.A. Reynolds
June 14, 1954
Registered Civil Engineer

DIST. CO. RTE. PM.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
	CALIF.			

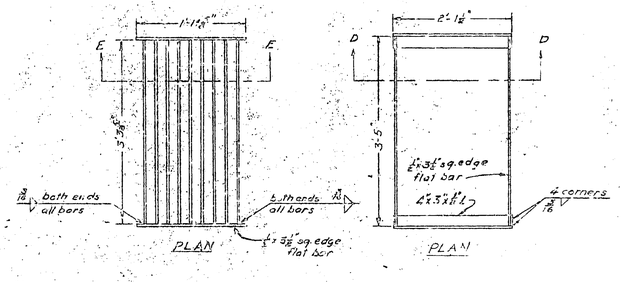
PLAN-LEFT SIDE

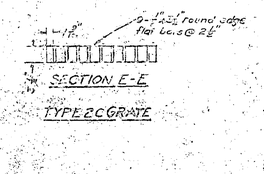


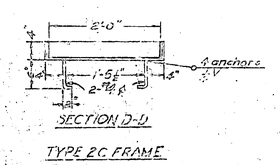
SECTION A-A

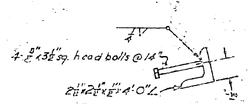


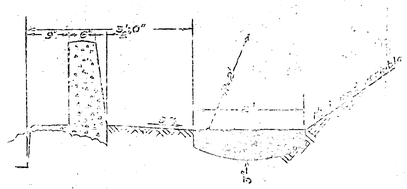
SECTION B-B



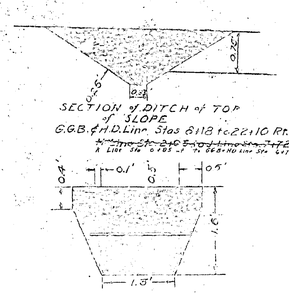








NOTE: Shaded areas Limit of Payment for Ditch & Channel Excavation.



CONTRACT No. 55-142C1
DATE ACCEPTED JUNE 1955
AS BUILT
RESIDENT ENGINEER J. B. Kramer
REVISIONS BY H.C.S. DATE 8-1-55

AS BUILT PLANS
Contract No. 55-142C1
Date Completed 12-2-55
Document No.

Scale: 1"=1'-0"

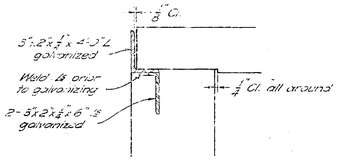
NOTE: [illegible]

NO.	DATE	REVISION	BY	APP'D
4				
3				
2				
1				

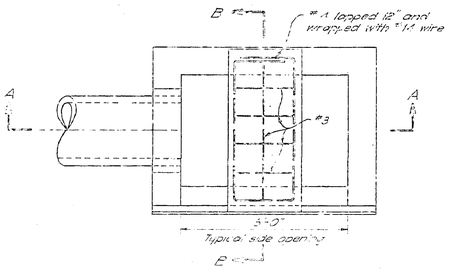
DATE COMPLETED

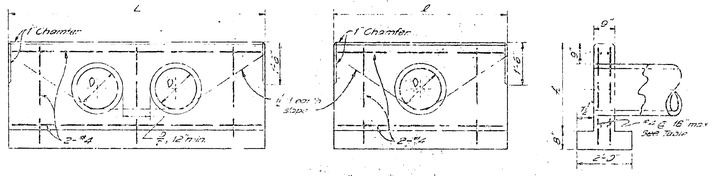
MISC. DRAINAGE DETAILS

DESIGNED BY [illegible] DRAWN [illegible] CHECKED [illegible]

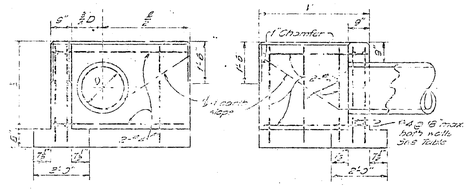


DETAIL "A"
Scale: 3"=1'-0"





STANDARD STRAIGHT HEAD WALL
For R.C.P. and C.M.P.
Scale: ⅜"=1'-0"

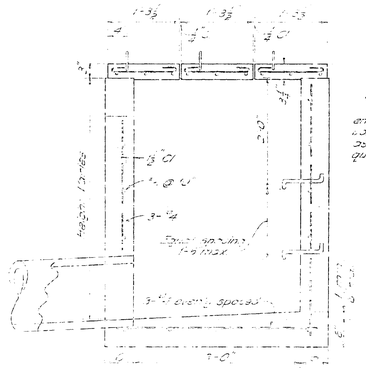


STANDARD "L" HEAD WALL
For R.C.P. and C.M.P.
Scale: ⅜"=1'-0"

Vertical Dist. and Width		R.C.P. (STANDARD STRENGTH)			C.M.P.			R.C.P. Steel (in²)				C.M.P. Steel (in²/ft)			
B	L	D	h	l	L	h	l	L	L	⊥	l	L	L	⊥	l
5'-0"		12"	2'-7"	1'-5"	6'-10"	2'-4"	1'-3"	6'-4"	13	22	.031	.073	17	28	.040
		18"	2'-10"	1'-5"	6'-10"	2'-7"	1'-4"	7'-4"	22	33	.064	.091	20	30	.057
		18"	3'-2"	1'-9"	7'-2"	2'-10"	1'-6"	8'-5"	20"	37	.078	.111	22	34	.070
		24"	3'-5"	1'-2"	10'-1"	3'-1"	1'-1"	9'-1"	30	41	.054	.139	25	38	.082
		24"	3'-9"	1'-10"	11'-5"	3'-5"	1'-8"	10'-7"	42	56	.122	.195	28	48	.099
		27"	3'-11"	1'-10"	12'-0"				46	61	.124	.232			
		30"	4'-2"	2'-1"	12'-10"	3'-10"	1'-9"	12'-0"	49	66	.141	.209	33	51	.135
		33"	4'-6"	10'-6"	14'-1"				53	70	.151	.241			
		36"	4'-9"	11'-3"	16'-3"	4'-4"	10'-10"	15'-5"	56	77	.190	.304	37	71	.145
		39"	5'-1"	12'-4"	17'-10"				61	78	.192	.293			
		42"	5'-4"	10'-3"	19'-5"	5'-1"	12'-6"	17'-5"	78	101	.300	.417	39	69	.165
		48"	5'-10"	14'-1"	22'-5"				84	111	.332	.458			
		48"	6'-1"	15'-0"	24'-0"	5'-10"	14'-1"	20'-2"	89	117	.351	.484	42	73	.175
		51"	6'-4"	15'-10"	22'-11"				98	121	.371	.511			
		54"	6'-8"	16'-10"	24'-5"	6'-7"	15'-10"	22'-10"	93	127	.391	.538	50	77	.185

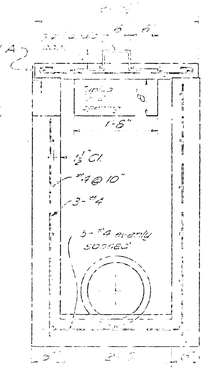
NOTES: For any pipe
1. $h = 0.29 + 1.1\,D$
2. $L = 3.300 + 2.6\,l$
3. $L = 1.1\,D + 2.6 + 12"$ where $D \le 24"$
4. $L = 2 + \frac{5D}{12} + 2.6$ where $D \ge 24"$
5. l = O.D. min. + 1.0.
6. Wall are D=24" use standard wingwall design
7. $\frac{\Delta C}{\Delta h} = \frac{L}{5B} = \frac{L}{36}$ Where ΔC = increase of concrete in C.Y./F. and Δh = increase of height in feet
8. $\frac{\Delta C}{\Delta l} = \frac{\Delta C}{\Delta L} = \frac{h}{33} = 0.05$

NOTE: For ⅓ headwall
$L = 1.1\,D + 3.0 - \frac{h}{3}$



SECTION A-A

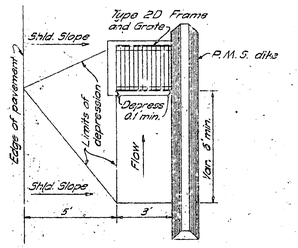
NOTE: If safety motor enters 3'-3" or wider, the angle assembly is required.



SECTION B-B

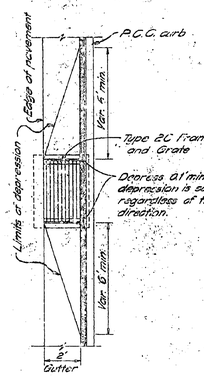
AS BUILT PLANS
Contract No. 55-4Z61
Date Completed 8-1-86
Document No.

CONTRACT No. 55-4Z61
DATE RECEIVED 8-1-86
AS BUILT PLANS
DEPARTMENT OF TRANSPORTATION



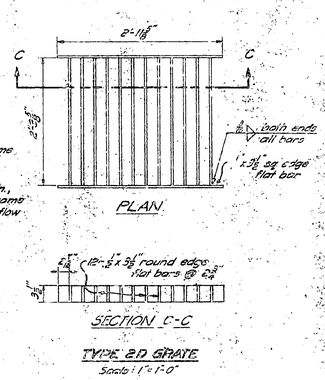
P.M.S. SHOULDER DEPRESSION

Scale: 1"=3'-0"



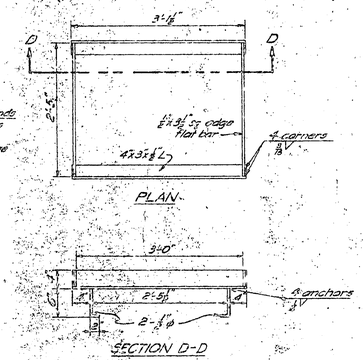
P.C.C. GUTTER DEPRESSION

Scale: 1"=3'-0"



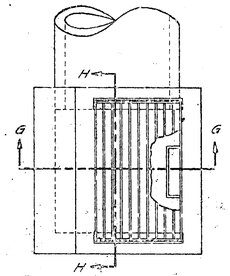
TYPE 2D GRATE

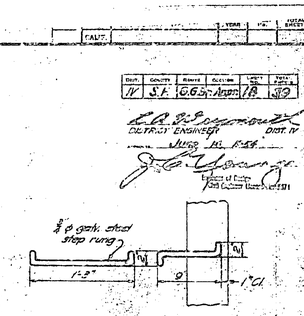
Scale: 1"=1'-0"



TYPE 2D FRAME

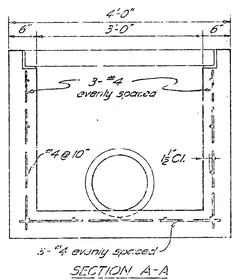
Scale: 1"=1'-0"

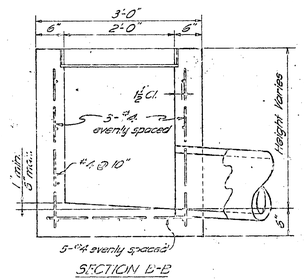




STEP RUNG DETAIL

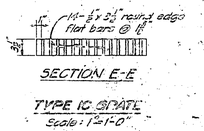
Scale: 1½"=1'-0"





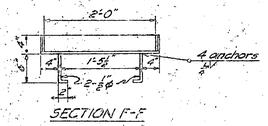
TYPE A₂ INLET

Scale: 1"=1'-0"



TYPE 1C GRATE

Scale: 1½"=1'-0"



TYPE 2C FRAME

TYPE 1C FRAME

for Types 1C and 2C Grates

Scale: 1"=1'-0"

TYPE A₂ INLET

Scale: ⅜"=1'-0"

NOTES:
1. Where 11-⅝"x3½" flat bars call for welding, 3 Type NS "A" bars to be used.
2. Where NS "A" bars are used, 3 bars to be welded to each flat bar.
3. Type 2 Grate Shall Be Used With Type 2 Frame.
4. All bar spacing shall be measured at 2" above the bottom of the flat bars.

CONTRACT No. 55-42 CI
DATE ACCEPTED AUG 5 1965
AS BUILT
RESIDENT ENGINEER J. B. Watson
REVISIONS BY H.C.S. DATE 8-1-66

AS BUILT PLANS
Contract No. 55-42 CI
Date Completed 8-1-66
Document No.

DIST.	COUNTY	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
IV	S.F.	0.63	Approx.	18	39

DISTRICT ENGINEER DIST. IV

JUNE 30, 1965

Engineer of Estimates San Francisco

AS BUILT

YEAR

INTERIM SHEETS

4	
3	
2	
1	
8-1-66	J.B. WATSON FOR RESIDENT ENGINEER

APPROVED FOR CONSTRUCTION
DATE JUNE 1965
DISTRICT ENGINEER

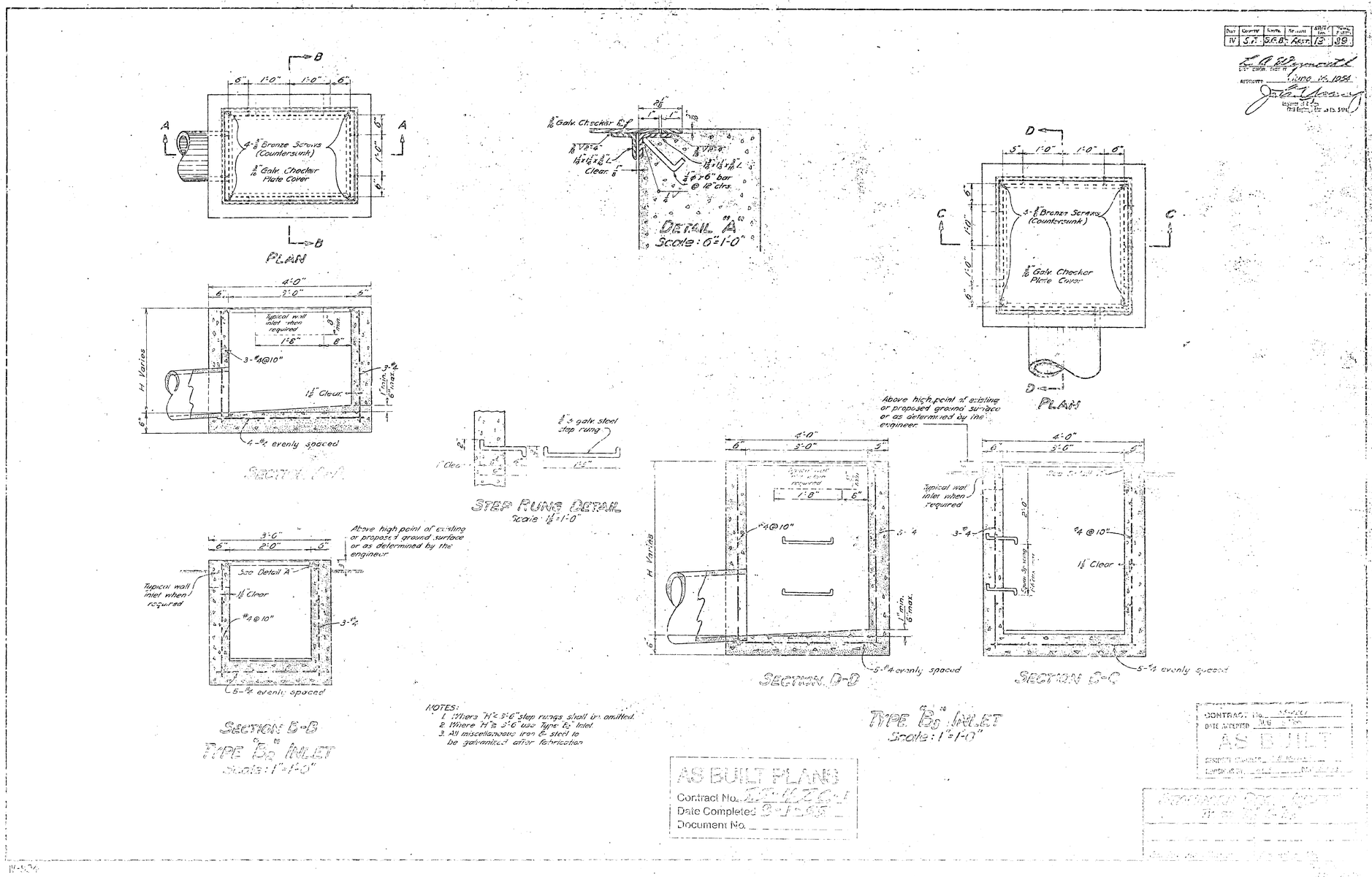
Original Tracing Prepared by JHT | Checked by JHT | Quantities Checked by

Original Approved | Quantities Checked by

IV-904

THEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE-ENTITLED PLANS UNDER MY DIRECTION AND CONTROL ON THIS DATE IN COMPLIANCE WITH CONTRACT REQUIREMENTS AND AUTHORIZATIONS. ALL DIMENSIONS ARE SHOWN.

DATE 5-25-66 R. M. Brockhurst



NOTES:
1. Where "H" < 3'-6" step rungs shall be omitted.
2. Where "H" ≥ 3'-6" use Type "B2" Inlet.
3. All miscellaneous iron & steel to be galvanized after fabrication.

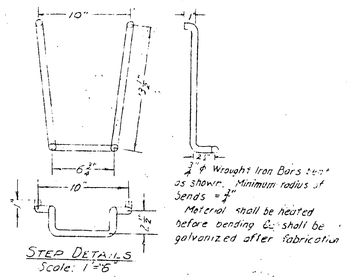
AS BUILT PLANS
Contract No. [illegible]
Date Completed [illegible]
Document No. _____

CONTRACT No. [illegible]
DATE ACCEPTED [illegible]
AS BUILT
RESIDENT ENGINEER [illegible]
REVISIONS BY [illegible]

IV-524

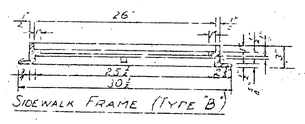
IV	S.F.	GG.Br.	Appr.	20	39

June 14, 1939

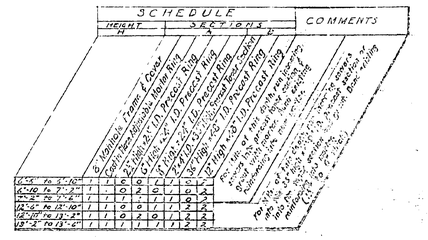


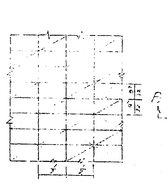
STEP DETAILS
Scale: 1"=6"

½ ϕ Wrought Iron Bars bent as shown. Minimum radius of bends = 2". Material shall be heated before bending & shall be galvanized after fabrication



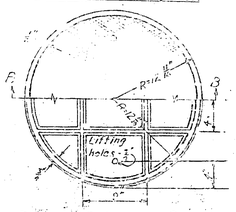
SIDEWALK FRAME (TYPE 'B')



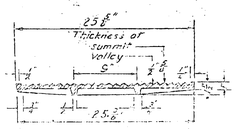


MATTING DETAIL
SCALE - FULL SIZE

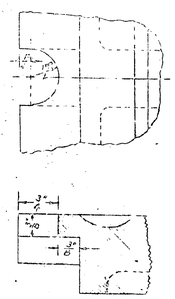
PLAN OF TOP OF COVER



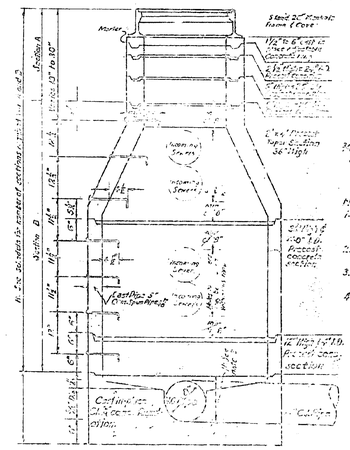
PLAN OF BOTTOM OF COVER

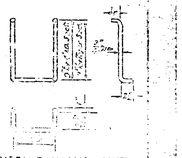


SECTION B-B



SECTION A-A
Showing hooklock for lifting cover.
Scale: Full Size





36" Dia. GALV. MANHOLE IRON STEP DETAILS

NOTES:
1. ¼" Dia. holes, for manhole steps, shall be cast in all precast manhole sections.
2. Precast concrete manhole sections shall be constructed in accordance with the lines and grades of the sewer.
3. H-I.D. or barrel thickness of the sewer + 6"
4. Precast sect. shall comply with Standard specifications of Precast Reinforced Concrete Culverts, Sec. 51.

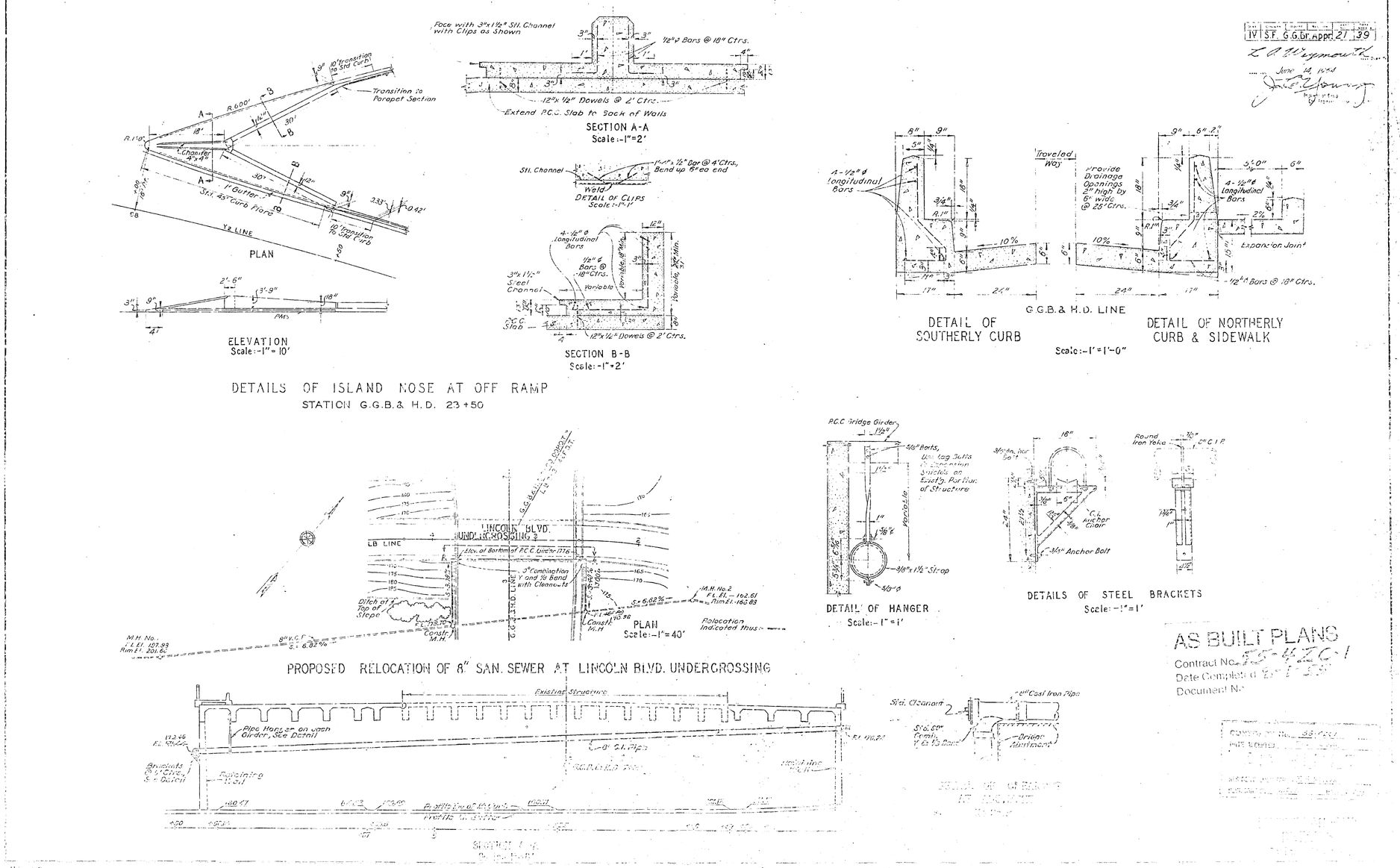
SECTIONAL ELEVATION
Scale: ½"=1'0"

PRECAST CONCRETE MANHOLE FOR PIPE SEWER.

AS BUILT PLANS
Contract No. 66422-C-1
Date Completed 3-1-56
Document No.

CONTRACT NO. 51,420
DATE AWARDED [illegible]
AS BUILT
RESIDENT ENGINEER [illegible]
CONTRACTOR [illegible] DATE [illegible]

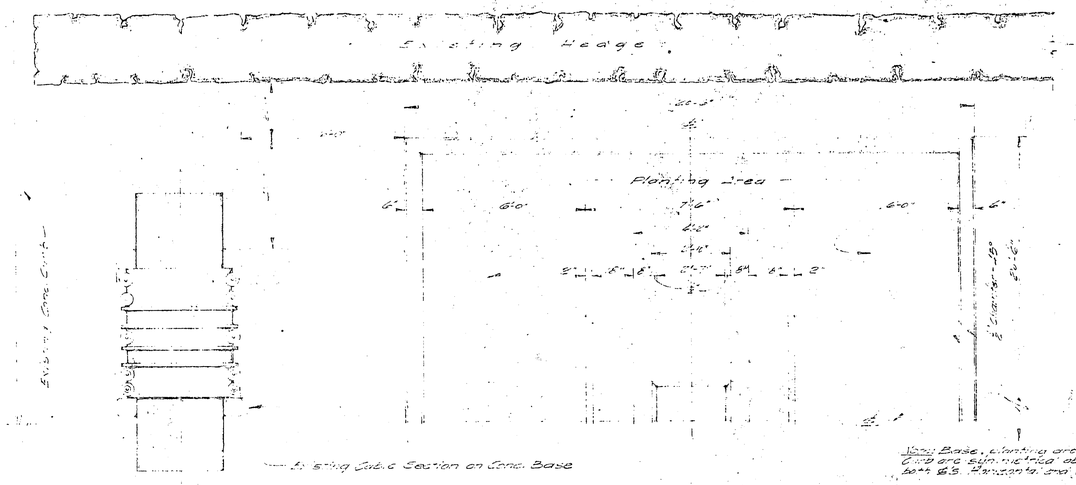
STRUCTURE NUMBERS



IV S.F. G.G.Br. Appr. 21 39
June 14, 1954
Face with 3"x1½" Stl. Channel with Clips as Shown
½"ø Bars @ 18" Ctrs.
12"x½" Dowels @ 2' Ctrs.
Extend P.C.C. Slab to Back of Walls
SECTION A-A
Scale:-1"=2'
Transition to Parapet Section
Chamfer 4"x4"
1' Gutter
Std. 45° Curb Flare
10' Transition to Std. Curb
Y2 LINE
PLAN
ELEVATION
Scale:-1"=10'
Stl. Channel
Weld
DETAIL OF CLIPS
Scale:-1"=1'
4-½"ø Longitudinal Bars
½"ø Bars @ 18" Ctrs.
3"x1½" Steel Channel
Variable
P.C.C. Slab
12"x½" Dowels @ 2' Ctrs.
SECTION B-B
Scale:-1"=2'
DETAILS OF ISLAND NOSE AT OFF RAMP
STATION G.G.B.& H.D. 23+50
4-½"ø Longitudinal Bars
Troveled Way
Provide Drainage Openings 2" high by 6" wide @ 25' Ctrs.
Expansion Joint
½"ø Bars @ 18" Ctrs.
G.G.B.& H.D. LINE
DETAIL OF SOUTHERLY CURB
DETAIL OF NORTHERLY CURB & SIDEWALK
Scale:-1'=1'-0"
LINCOLN BLVD. UNDERCROSSING
LB LINE
Elev. of Bottom of P.C.C. Girder 177.6
3" Combination Y and ⅛ Bend with Cleanouts
Ditch at Top of Slope
Constr. M.H.
M.H. No. 2
F.L. El. 162.61
Rim El. 166.83
Relocation Indicated thus
PLAN
Scale:-1"=40'
PROPOSED RELOCATION OF 8" SAN. SEWER AT LINCOLN BLVD. UNDERCROSSING
P.C.C. Bridge Girder
5/8" Bolts, Use Lag Bolts & Expansion Shields on Exist'g. Portion of Structure
Variable
3/8"x1½" Strap
DETAIL OF HANGER
Scale:-1"=1'
Round Iron Yoke
C.I. Anchor Chair
3/4" Anchor Bolt
DETAILS OF STEEL BRACKETS
Scale:-1"=1'
Existing Structure
Pipe Hanger on each Girder, See Detail
8" C.I. Pipe
Brackets @ 6' Ctrs., See Detail
Retaining Wall
Profile Line of Mt. Curb
Profile Line of Gutter
Std. Cleanout
8" Cast Iron Pipe
Std. 60° Comb. Y & ⅛ Bend
Bridge Abutment
AS BUILT PLANS
Contract No. 55-4ZC-1
Date Completed
Document No.

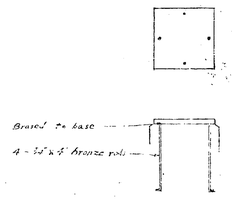
DIST	COUNTY	FUNC.	ROUTE	SHEET NO.	TOTAL SHEETS
IV	S.C.S.	C.S.	APPR.	22	59

APP. DIV. NO.	STATE	FEDERAL PROJECT No.	FISCAL YEARS	SHEET NO.	TOTAL SHEETS
	CALIF.				



Note: Base, planting area and curb are symmetrical about base B.S. Horizontal and Vertical.

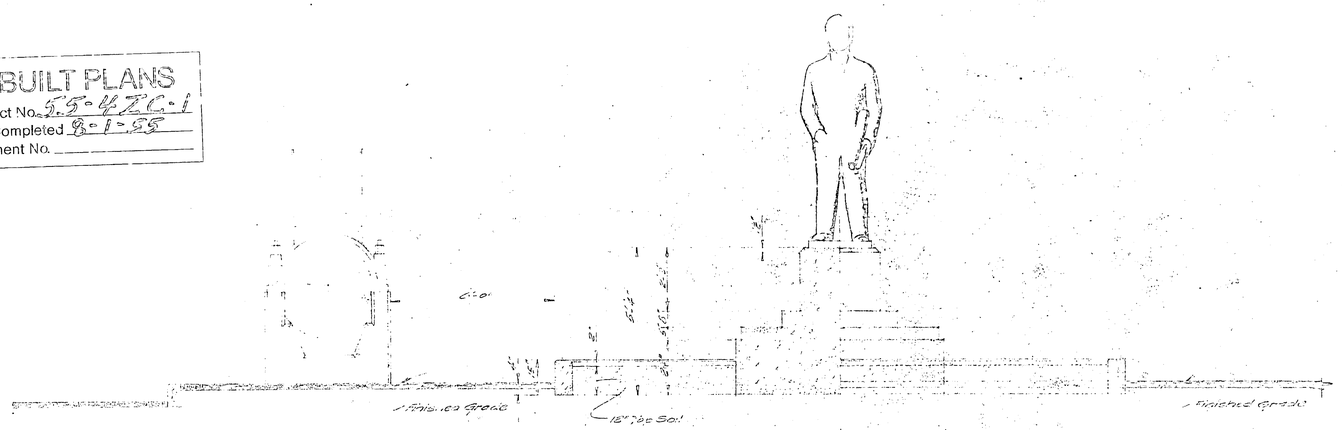
PLAN



GENERAL NOTES

Existing hedge shown thus [illegible] to be removed & replaced in existing position.

For materials, workmanship & acceptance see Standard Specifications.



PARTIAL SECTIONAL ELEVATION

AS BUILT PLANS
Contract No. 55-4EC-1
Date Completed 8-1-55
Document No. _____

CONTRACT No. 55-4EC
DATE ACCEPTED: AUG 1955
AS BUILT
RESIDENT ENGINEER J. D. Ware
REVISIONS BY: K.L.S. DATE 8-1-55

NO	DATE	REVISION
4		
3		
2		
1		

TABLE OF REVISIONS

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

DRAWN BY: [illegible] DATE: [illegible] CHECKED BY: [illegible]
SQ. FT. NO. DRAWN: [illegible]

W-994

THERE IS CERTIFIED THAT THIS IS A TRUE COPY OF THE ORIGINAL MAP OR PAPER RECORDED OR FILED IN THIS OFFICE AND THAT IT WAS PREPARED BY ME OR UNDER MY DIRECTION AND WAS COMPLETED ON THE DATE INDICATED BELOW.

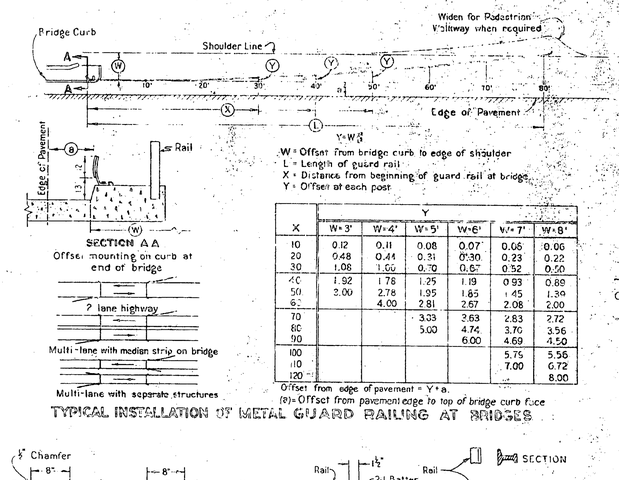
[illegible] As Built

DIST	COUNTY	ROUTE	SECTION	SHEET NO	TOTAL SHEETS
IV	S.F	GGB	4ppr	23	39

CONTRACT No. 55-42C1
DATE ACCEPTED AUG 6 1955
RESIDENT ENGINEER J.B. Warren
REVISIONS BY H.C.S. DATE 4-1-55

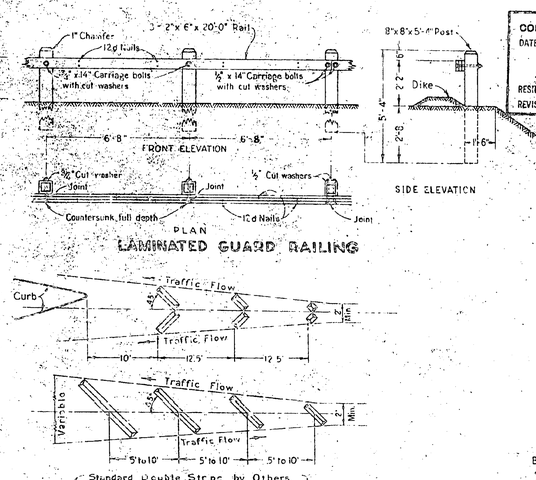
AS BUILT

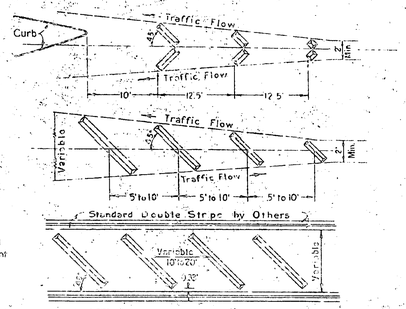
Approved Recommended: [signature] Assistant State Highway Engineer
Approved September 7, 1950
[signature] State Highway Engineer
To accompany plans dated June 14 1954



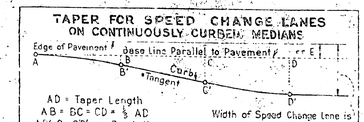
X	Y W=3'	W=4'	W=5'	W=6'	W=7'	W=8'
10	0.12	0.11	0.08	0.07	0.06	0.06
20	0.48	0.44	0.31	0.30	0.23	0.22
30	1.08	1.00	0.70	0.67	0.52	0.50
40	1.92	1.78	1.25	1.19	0.93	0.89
50	3.00	2.78	1.95	1.85	1.45	1.39
60		4.00	2.81	2.67	2.08	2.00
70			3.83	2.63	2.83	2.72
80			5.00	4.74	3.70	3.56
90				6.00	4.69	4.50
100					5.75	5.56
110					7.00	6.72
120						8.00

TYPICAL INSTALLATION OF METAL GUARD RAILING AT BRIDGES





TAPER FOR SPEED CHANGE LANES ON CONTINUOUSLY CURBED MEDIANS



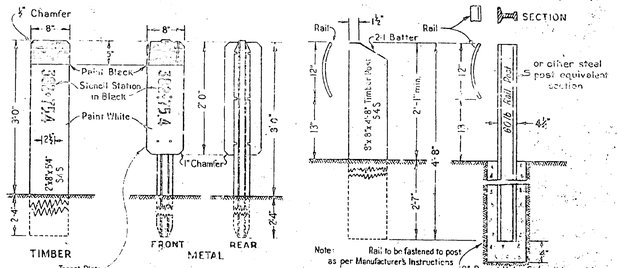
AD = Taper Length
AB = BC = CD = ⅓ AD
AB' & CD' are Parabolic Curves

Width of Speed Change Lane is usually the same width as the adjacent lane

The following table gives offsets from a BASE LINE parallel to the EDGE OF PAVEMENT at intervals measured from point 'A'
Add 'E' for measurements from edge of pavement.

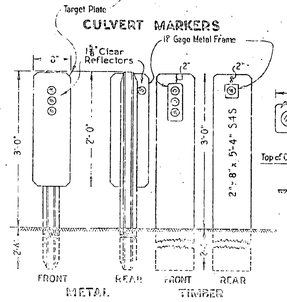
Offset from BASE LINE			LENGTH OF TAPER, FEET					
DD=9'	DD=10'	DD=12'	90	120	150	180	240	270
0	0	0	DISTANCE FROM POINT 'A'					
0.14'	0.16	0.19	7.5	10	12.5	15	20	22.5
0.56	0.62	0.75	15	20	25	30	40	45
1.27	1.41	1.69	22.5	30	37.5	45	60	67.5
2.25	2.50	3.00	30	40	50	60	80	90
4.50	5.00	6.00	45	60	75	90	120	135
6.75	7.50	9.00	60	80	100	120	160	180
7.73	8.59	10.31	67.5	90	112.5	135	180	202.5
8.44	9.38	11.25	75	100	125	150	200	225
9.06	9.94	11.81	82.5	110	137.5	165	220	247.5
9.30	10.0	12.0	90	120	150	180	240	270

a Where Edge of Pavement is a curve, neither base line nor taper between B' & C' will be a tangent. Use proportional offsets from B' to C'.
b The adopted offset 'E' is usually 2' along outside edge of pavement but may vary in some cases.

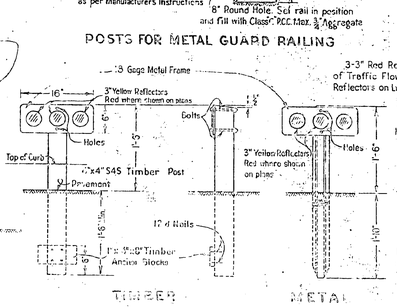


GUIDE POSTS
Type E shown. For Types A B C & D See table at right

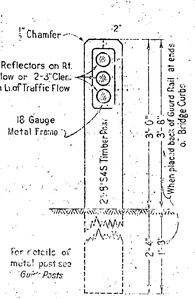
CULVERT MARKERS



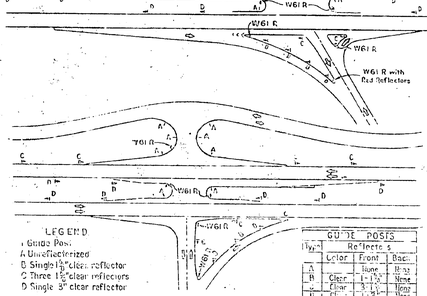
POSTS FOR METAL GUARD RAILING



HORIZONTAL REFLECTOR UNIT WORK

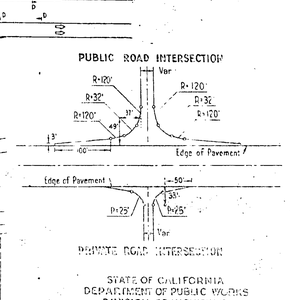


CLEARANCE MARKER



GUIDE POSTS			
	Reflectors		
	Color	Front	Back
A	None		None
B	Clear	1-3½"	None
C	Clear	3-3½"	None
D	Clear	1-5"	None
E	Clear	3-5"	None

DELINEATION OF TRAFFIC ISLANDS



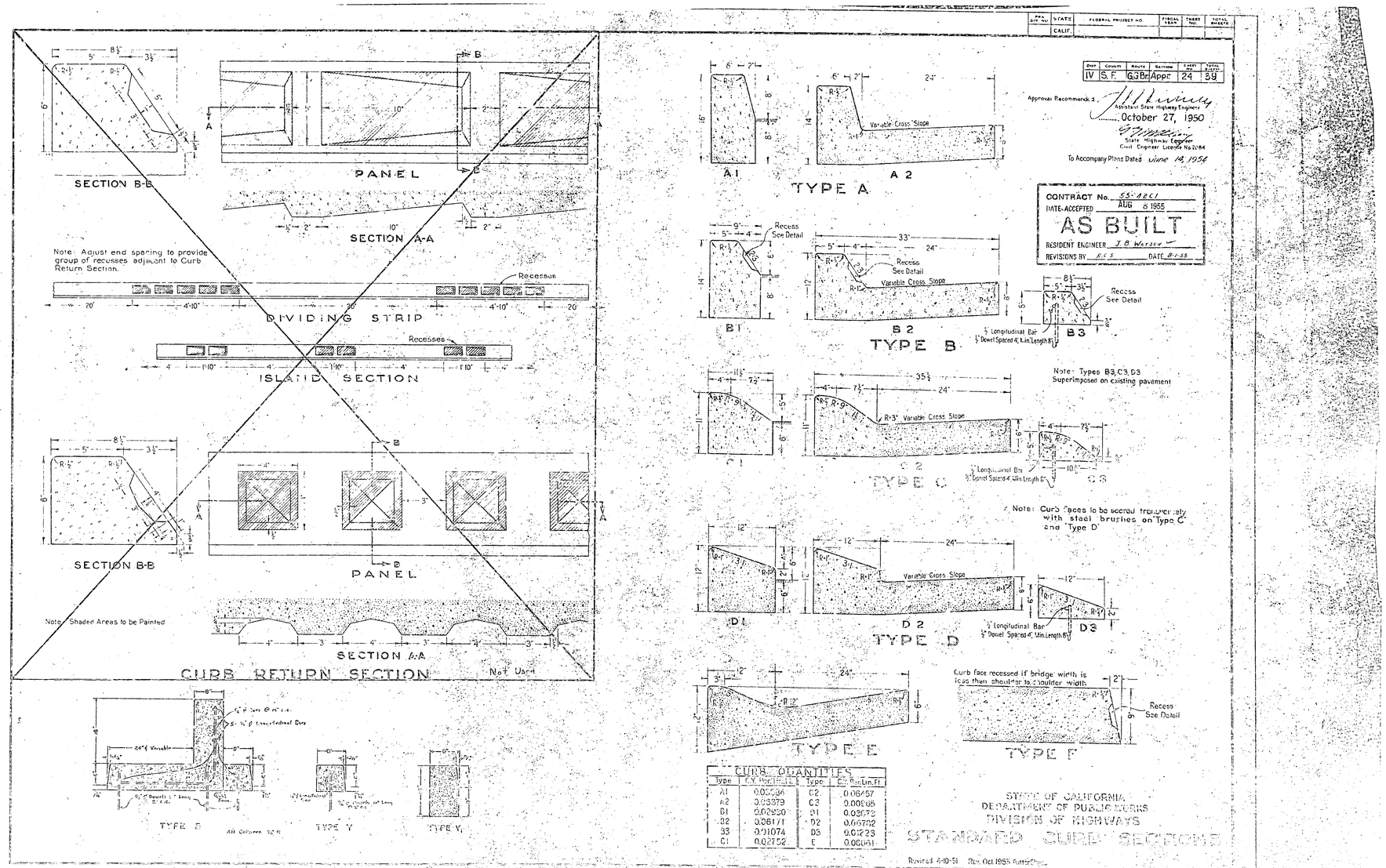
STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

STANDARD STRUCTURES
CURB RAIL, GUIDE POSTS, ETC.

Revised 7-20-55 Type Interest
Revised 9-21-55 Reflectors
Revised [illegible]
Revised [illegible]

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION THIS DATE, SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.
[signature]

AS BUILT PLANS
Contract No. 55-42C1
Date Completed 8-1-55
Document No.



Dist	County	Route	Section	Sheet No.	Total Sheets
IV	S.F.	GGBr	Appr.	24	39

Approval Recommended
Assistant State Highway Engineer
October 27, 1950
State Highway Engineer
Civil Engineer License No. 2084
To Accompany Plans Dated June 14, 1954

CONTRACT No. 55-AZC1
DATE ACCEPTED AUG 8 1955
AS BUILT
RESIDENT ENGINEER J. B. Watson
REVISIONS BY R.C.S. DATE 8-1-55

CURB QUANTITIES

Type	C.Y. Per Lin. Ft.	Type	C.Y. Per Lin. Ft.
A1	0.05084	C2	0.06457
A2	0.03379	C3	0.00905
B1	0.02930	D1	0.03073
B2	0.06171	D2	0.06782
B3	0.01074	D3	0.01223
C1	0.02752	E	0.06061

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS
STANDARD CURB SECTIONS

Revised 4-10-51 Rev. Oct. 1955 Author Chas.

AS BUILT PLANS
Contract No. 55-AZC-1
Date Completed 8-1-55
Document No.

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION

DIST.	COUNTY	ROUTE	KILOPOST	SHEET NO.	TOTAL SHEETS
IV	S.F.	GG Br. Appr	28	39	

STATE OF CALIF — DEPT. OF PUBLIC WKS

R.A. McReynolds

June 10, 1924

Registration No. 3438

SYMBOLS

- Existing sodium electrolier to be converted. Place Type "A" Luminaire with 10000 lumen lamp. Remove existing insulating transformer and place new insulating transformer in base.
- Existing sodium electrolier. Remove, unless otherwise noted.
- Existing incandescent electrolier. Remove.
- Type "A" Standard, Type "A" Luminaire with 10,000 lumen lamp, and insulating transformer in base unless otherwise noted.
- Same as above except 5,000 lumen lamp and insulating transformer in base and Type "B" Standard.
- Existing pull box
- No. 5 Pull box unless otherwise noted
- 1½" rigid steel conduit with one #8 5000 volt conductor unless otherwise noted.
- Existing rigid steel conduit
- Illuminated Sign
- 2" rigid steel conduit with relocated 14 Conductor sign lighting cable unless otherwise noted.
- Relocated State electrolier Foundation Detail "S"

NOTES

Note 1. Connect to existing conduit.

Note 2. Remove with existing conductors.

Note 3. Remove existing conductors.

Note 5. Install new electrolier on existing foundation. Detail "T"

Note 6. Stub new conduit thru existing foundation to new transformer base.

Note 7. Connect to existing conduit in curb.

Note 8. Connect to existing conductors.

Note 9. Connect to conduit stub at curb.

BEGINNING OF PROJECT
STATION 0+00

AS BUILT PLANS
Contract No. [illegible]
Date Completed [illegible]
Document No. [illegible]

GENERAL NOTE

The existing highway lighting systems shall be placed in operation every night until the new light systems are placed in operation.

NOTE:
Only highway lighting where Contractor is developed are shown. Other circuits shall not be disturbed.

EXISTING ILLUMINATED SIGNS & BEACONS

No	Station	Description	Disposition
A	GGB 7+10	"RESTRICTED LOAD CARRYING 10 TON CAPACITY"	Relocate * (1)
B	GGB 11+15	"SLOW TOLL GATE"	Relocate ** (2)
B1	Y1,C1 73+25	"REDISTRICTING USE TO MAY"	Relocate (2)
17	GGB 19+00	"CIVIC CENTER"	Remove (4)
19	Y2 69+05	"SIGN"	To remain in place ** (1)
F3	Y2 68+20	Beacon in curb	Remain (3)
S3	Y2 68+15	"CIVIC CENTER" "FRANKLIN AVENUE"	Remove (4)
19-20	Y1,C1 77+90	"JUNCTION 80 RICHMOND" "GRANT COUNTY"	To remain in place (3)
TC	GGB 2+00	45 c.p.m.	Relocate (2)

Relocate 1 Sign under Extra Work

* The contractor shall obtain information concerning connections to sign lighting cable — from the C.F.&H.D. Maintenance Superintendent at the Administration Building.

** The contractor shall obtain information concerning connections to existing conductors from the Electric Maintenance Supt. of the Division of Highways.

Sign Lighting Pull Boxes have been located to accommodate the existing lengths of sign lighting cable.

(3) Keep in operation every night.

(2) Place in operation soon as possible.

(1) Keep in operation until sign No. 1 is in operation.

(4) Keep in operation until sign No. 1 is in operation.

G.G.B. & H.D. LINE

I.W. Line

J LINE

L.B. LINE

R.W. Line

Conform

Abandon

Box buried

Manhole "B"

Manhole "C"

Manhole "D"

Manhole "E"

Manhole "F"

Manhole "G"

Manhole "H"

Manhole "I"

Manhole "J"

Manhole "K"

Manhole "L"

Manhole "M"

Manhole "N"

Manhole "O"

Manhole "P"

Manhole "Q"

Manhole "R"

Manhole "S"

Manhole "T"

Manhole "U"

Manhole "V"

Manhole "W"

Manhole "X"

Manhole "Y"

Manhole "Z"

Manhole "AA"

Manhole "BB"

Manhole "CC"

Manhole "DD"

Manhole "EE"

Manhole "FF"

Manhole "GG"

Manhole "HH"

Manhole "II"

Manhole "JJ"

Manhole "KK"

Manhole "LL"

Manhole "MM"

Manhole "NN"

Manhole "OO"

Manhole "PP"

Manhole "QQ"

Manhole "RR"

Manhole "SS"

Manhole "TT"

Manhole "UU"

Manhole "VV"

Manhole "WW"

Manhole "XX"

Manhole "YY"

Manhole "ZZ"

CIRCUIT NO. 6 — Place 2#8-5000 V. in conduit runs.

CIRCUIT NO. 7

Splice salvaged #8 conductor cable and connect to terminal board in manhole.

Existing C. Remove #8 conductor cable #8 5000V

Existing 2#8 5000V

Existing wire 2#8 5000V

Note 5 to 6, 7 and No. 8

Existing Conduit with 2#8 5000V

Connect to Structure Conduit

For Electrical Work on Structure See "Lincoln Blvd. Undercrossing" Electrical Plan"

Sign

Sign C

Sign D

Sign E

Sign F

Sign G

Sign H

Sign I

Sign J

Sign K

Sign L

Sign M

Sign N

Sign O

Sign P

Sign Q

Sign R

Sign S

Sign T

Sign U

Sign V

Sign W

Sign X

Sign Y

Sign Z

Sign AA

Sign BB

Sign CC

Sign DD

Sign EE

Sign FF

Sign GG

Sign HH

Sign II

Sign JJ

Sign KK

Sign LL

Sign MM

Sign NN

Sign OO

Sign PP

Sign QQ

Sign RR

Sign SS

Sign TT

Sign UU

Sign VV

Sign WW

Sign XX

Sign YY

Sign ZZ

Sign AAA

Sign BBB

Sign CCC

Sign DDD

Sign EEE

Sign FFF

Sign GGG

Sign HHH

Sign III

Sign JJJ

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Dist	County	Route	Section	Sheet No.	Total Sheets
IV	S.F.	G.G.Dr. Appr.		26	39

E A Weymouth

Approved June 14, 1954

Civil Engineer License No. 5429

AS BUILT PLANS
Contract No. 55-4ZC-1
Date Completed 8-1-55
Document No. ______

Poor Copy
Light Print

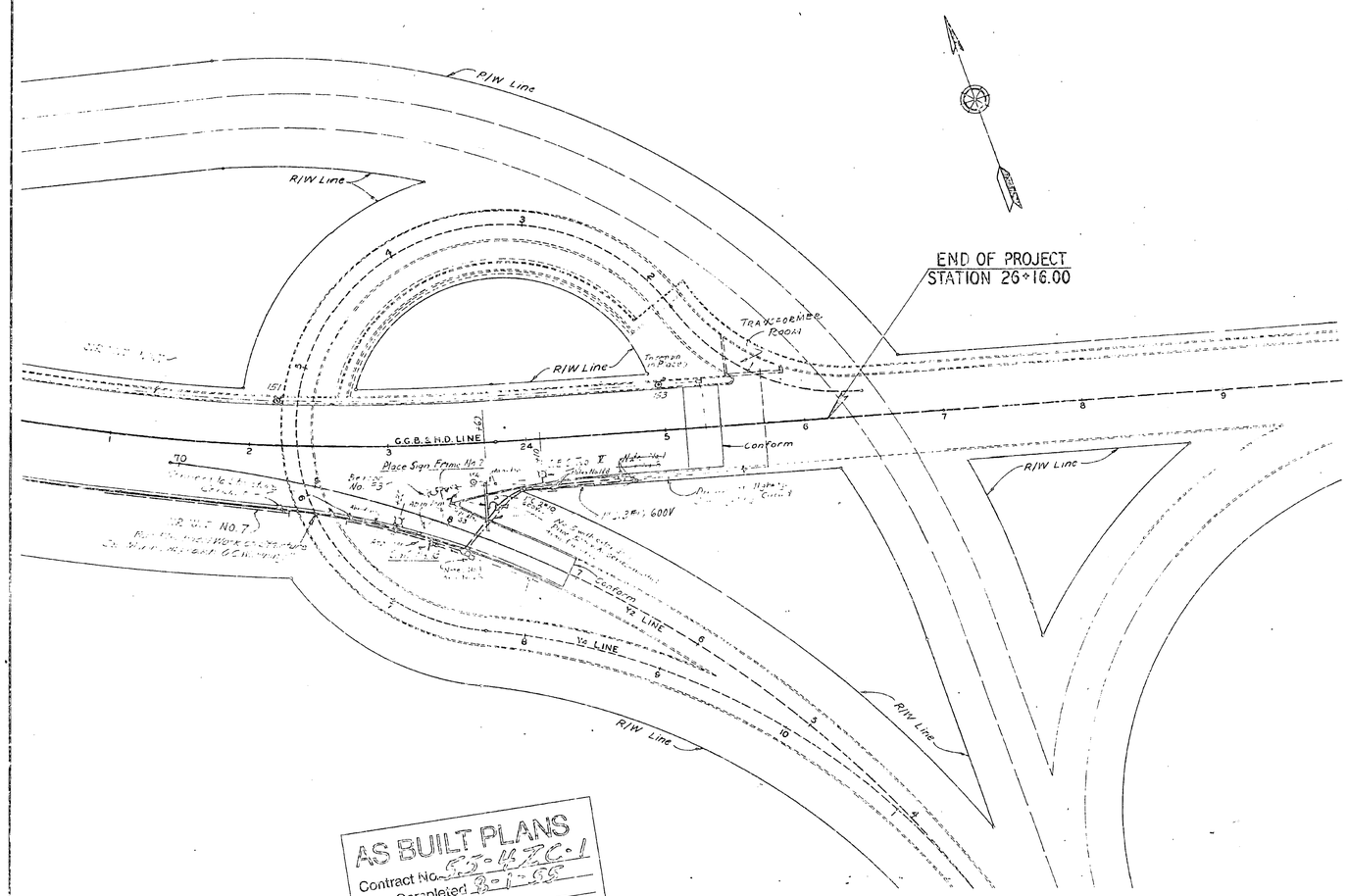
CONTRACT No. 55 4 ZC1
AS BUILT
RESIDENT ENGINEER J.B. Watson
DATE 8-1-55

IV-664

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA, PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

DIST	COUNTY	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
IV	S.F.	G.G. Br. Appr.		27	59

L A Weymouth
June 14, 1954
G. M. Webb



AS BUILT PLANS
Contract No. 55-47C-1
Date Completed 8-1-55
Document No.

CONTRACT No. 55-47C1
AS BUILT
J.B. Watson

Poor Copy
Light Print

HIGHWAY LIGHTING SYSTEM
Scale 1"=4

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION

La Wasmouth
June 19, 1939
L. W. Nichols

3-½" Cap screws with washers. Drill cap to clear screw. Drill & tap shaft after sign is properly oriented.

∠ 2½" x 2½" x ¼"

R 14⅝" x 14⅛" x 14⅛"

c - ⅜" Sleeve for 8" pipe @ 24.70#

∠ - 2½" x 2½" x ¼

ELEVATION

PLAN

CAP
Scale 1½" = 1'-0"

Drill & tap hole for ½" ϕ conduit fitting.

∠ 3" x 2½" x ¼"

Back of frame

PLAN

SECTION A-A

Add one foot for splice

8" Std. Pipe @ 24.70#

10" E.S. Pipe @ 54.74#

See D-D

12" E.S. Pipe @ 65.42#

17'-0" Min. clearance

Varies

Pavement Shoulder

EARTH SUPPORT
No Scale

TABLE OF DIMENSIONS

Sign	Type	Foundation	"a" ft.	"b" ft.	"c" ft.	"d" ft.	"e" ft.	"f" ft.	Station
N-1	E		2		7	5	7	5	
N-2	E		8	11½	7	5	7	5	

Drill & tap for #10-24 Fl. Mach. screws x 1" lg. Four req'd.

∠ 1¼" x 1¼" x 6 1/4" Cover R & ⅛" neoprene gasket to fit

Frame R 11½" x ½"

PLAN

HAND HOLE DETAILS
No Scale

Symmetrical about ℄

"d"

Face of Frame

TOP VIEW

See E-E

Ls 6" x ¼"

∠ 3½" x 2½" x ¼"

DOUBLE SIGN FRAME

3-½" Cap screws with washers. Drill cap to clear screw. Drill & tap shaft after sign is properly oriented

R 14⅝" x 14⅝" bore for slip fit over 8" Std. pipe @ 24.70#

ELEVATION

COLLAR
Scale ½" = 1'-0"

8" Std. pipe

∠ 5" x 2½" x ¼"

SECTION B-B

TYPICAL SWAGED JOINTS
SECTION D-D
No Scale

Nuts & top 12" of anchor bolt to be galvanized.

Level to nuts.

½" ϕ tot. = 5

10' Conduit

½" x 5'-9" tot. = 8

Ls 6" x ⅜" x 1'-0" tot. = 4

12" ϕ x 5'-0" anchor bolts tot. = 4

½" @ 12" ± both ways

Tack weld

ELEVATION

TOP VIEW

∠ 3" x 2½" x ¼"

Ls 2½" x 2½" x ¼"

∠ 3" x 2½" x ¼"

SINGLE SIGN FRAME

4 - 2" bolt holes

PLAN

8 - ½" Gussets R

5/16" Hole

R 22" x 22" x 1½" Bore hole for slip fit of 12" E.S. pipe @ 65.42#.

SECTION C-C

BASE
Scale ½" = 1'-0"

TYPICAL JOINT CONNECTION
SECTION E-E
No Scale

NOTE

1- Frames to be all welded construction
2- Poles to be hot dipped galvanized after fabrication.
3- See Special Provisions for painting of frames.
4- Diagonal bracing to be placed on face of frame.
5- Sign panels will be furnished and mounted on sign frames by others. Frames shall not be installed on standards until the sign panels have been mounted thereon.

FOOTING PLAN

Sign Plans Nos. R1 to R5 inclusive

CONTRACT No. 55-427C1
DATE ADVERTISED AUG.
AS BUILT
RESIDENT ENGINEER T.W. KUHNS
DIVISION OF H. DATE 3-1-55

Poor Copy
Light Print

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

DETAILS
SIGN FRAME TYPE "B-1"
SIGN INSTALLATION

"R" Plans of Concrete Bridges

SCALE: As noted	DESIGNED	TRACED	CHECKED

AS BUILT PLANS
Contract No. 55-427C1
Date Completed 3-1-55
Document No.

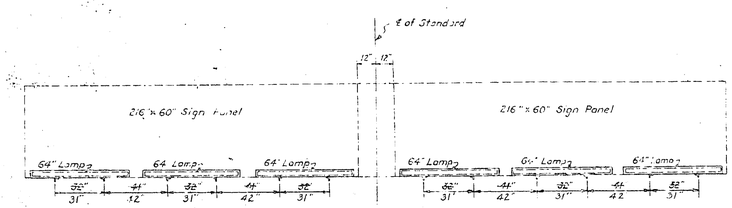
IV-3-1

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA, PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.

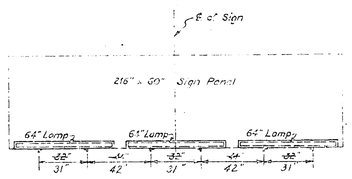
DATE ... BY ... DEPUTY DIRECTOR OF PUBLIC WORKS

DIST.	COUNTY	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
IV	SF	068		29	29

L. A. Weymouth
Engineer
Approved June 14, 1954
G. M. Hecht
Engineer



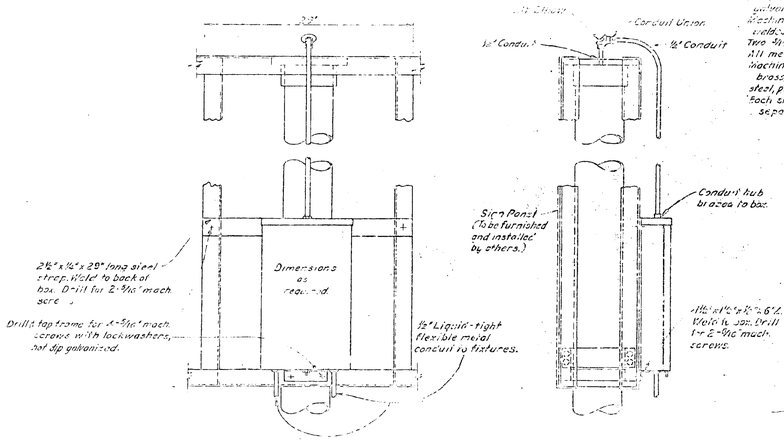
FIXTURE ARRANGEMENT
SIGN FRAME NO. 2
RT. STA. 23+69
No Scale



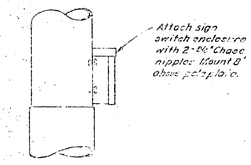
FIXTURE ARRANGEMENT
SIGN FRAME NO. 1
RT. STATION 14+83
No Scale

Ballast Box Notes.

Ballast boxes shall be of the raintight type with top hinged front cover. Cover shall be secured by wing nut similar to lighting fixture mounted.
Boxes shall be fabricated from No. 10 US gauge steel and shall be galvanized after fabrication.
Machine screws for mounting ballasts and terminal boards shall be soldered, welded, or brazed to the back of the box.
Two 3/16 in. diam. drain holes shall be provided in the bottom of the box.
All metal parts, except as noted, shall be galvanized.
Machine screws, nuts, hinges, pins, etc. in ballast box shall be plated brass, Everdur, or stainless steel. Lockwashers shall be stainless steel, phosphor bronze, or copper beryllium.
Each sign panel shall have a separate group of ballasts and shall be separately switched.



BALLAST BOX INSTALLATION
ON TYPE "B" SIGN FRAME

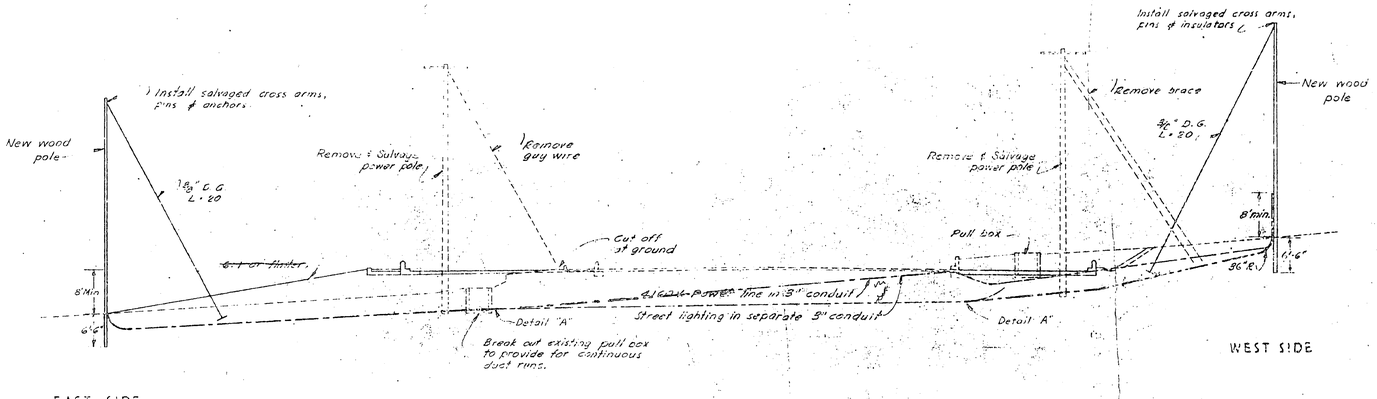


SIGN SWITCH INSTALLATION

AS BUILT PLANS
Contract No. 55-420-1
Date Completed 1-25
Document No.

CONTRACT No. 55-420-1
DATE ACCEPTED 1-25
AS BUILT
REVISED BY JB Watson
REVISIONS BY
DATE 8-1-57

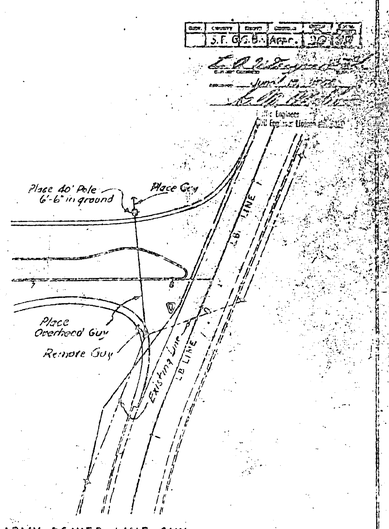
ELECTRICAL DETAILS
TYPE "B-1" SIGN FRAMES



U.S. ARMY UNDERGROUND CROSSING

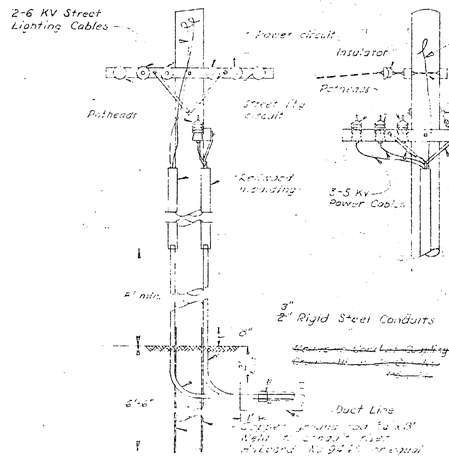
STA. 6+80 ±

Scale: 1" = 10'



ARMY POWER LINE GUY

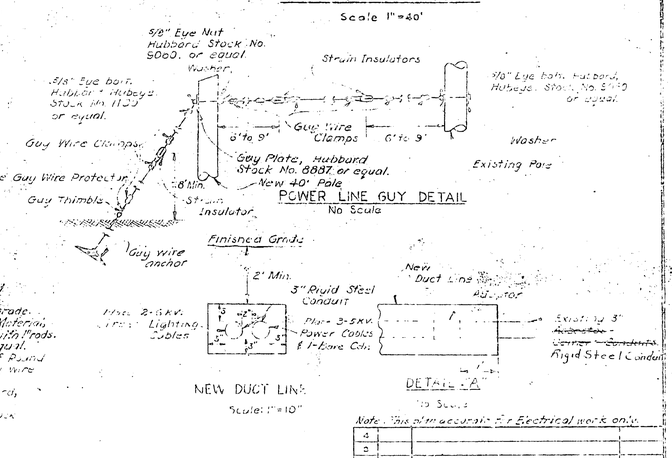
Scale 1" = 40'



RISER POLE DETAIL

No Scale

NOTE:
Potheads shall be G & W Electric Specialty Co. No. 15623, with style B aerial lugs & style LS skirting box or equal.



POWER LINE GUY DETAIL

No Scale

NEW DUCT LINE

Scale: 1" = 10'

DETAIL "A"

No Scale

SYMBOLS AND NOTES

Rigid Steel

——— Two existing 3" Asbestos Cement conduits, Remove & Salvage existing conds and place new cable.

——— New Duct line.

All pole line hardware shall be hot dipped galvanized.
All strain insulators shall be wet process porcelain, Hubbard Stock No. 514, or equal.
All guy wire clamps shall be 6" x 13/16, three bolt, Hubbard Stock No. 7450, or equal.
All guy wire shall be 5/8" double galvanized high strength grade.
All guy wire anchors shall be 10"-4 way Key, Log, Line Alterman Everstick, Catalog No. 104 or equal, patent pending with 4 rods.
All guy thimbles shall be Hubbard Stock No. 7595 or equal.
All guy wire protectors shall be 3' long, Hubbard, Half Round Type, Stock No. 7055, or equal, and clamped to guy wire by U-bolts.
All 2 way guy wire and 4 way bonders shall be Hubbard, Everlasting, Stock No. 7454, or equal.
All round washers shall be 3"x3"x1/4", Hubbard Stock No. 7923 1/2, or equal.

Note: This plan accurate for Electrical work only.

NO.	DATE	BY	DESCRIPTION
4			
3			
2			
1			

RELOCATION OF ARMY ELECTRICAL FACILITIES

DRAWN BY M.R. | TRACED BY | CHECKED BY | DATE

SCALE As Shown | QUANTITIES

AS BUILT PLANS
Contract No. 55-41-761
Date Completed 8-1-56
Document No.

CONTRACT No. 55-41-761
DATE ACCEPTED JUL 1956
AS BUILT
RESIDENT ENGINEER T.B. Watson
REVISIONS BY ____ DATE 8-24-56

IV-994

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF AN ENGINEERING DOCUMENT DONE UNDER MY DIRECTION AND CONTROL ON THIS DATE, INSOFAR AS PERMITTED TO CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.
DATE 8-24-56 SIGNED [signature] TITLE Engineer

DIST	COUNTY	ROUTE	SECTION	PHASE	SHEET NO.
IV	S.F.	65	Mr. Ave.	3/	129

CALIF.

K.A. Wagenaar
June 18 1958
B. M. Mills
L.S. 5429

CONTRACT NO. 55-426L
DATE AGREED JUN 3 1958
AS BUILT
RESIDENT ENGINEER J.A. Watson
REVISIONS: M. DATE 8-1-58

R/W Line

J LINE

L8 LINE

Conform

BEGINNING OF PROJECT
STATION 0+00

AS BUILT PLANS
Contract No. 55-426L
Date Completed 8-1-58
Document No.

Clamp under Beam
Clamp to roof beam
Existing Duct
3" transite to encasement
4" transite, concrete encasement Detail "A"
Existing Duct
Begin conduit
End conduit up 2' on wall & 6" on roof. Cap fitting. Seal.
End conduit
Begin conduit
2'x4'x2' p.c. box to be installed by P.G.&E. Co. after painting
Conform
H LINE
K=29.42
S.S. 4478
3" Transite, no encasement
Connect to Structure conduit
Connect to Structure Conduit
G.G.B.& H.D. LINE
Conform
End conduit at center of box. Cap with bushing. Begin conduit
Side of center attack crossing.
Conform
Clamp to wall near ceiling.
End conduit 2' from corner of the parking tree under Admin. Bldg.
Administration Bld.
Parking Area
Conform
Telephone Room
L.S. LINE
Conform
For Electrical Work on Structure see "Lincoln Blvd. Undercrossing - Electrical Plan"
R/W Line

Notes for Conduit in Undercrossing at Toll Plaza

All conduit shall be 1½" steel, unless noted.

All conduit bends shall be 1 ft. min. radius, unless noted.

All conduit ends shall have galvanized steel bushings.

All conduit clamps shall be galvanized malleable iron one-hole clamp with double expansion shield and brass screw.

SYMBOLS

- Existing pull box.
- No. 5 pull box unless otherwise noted.
- Power Duct. Cable to be furnished and installed by the P.G.&E. Co.
- Communication Duct. Cable to be furnished and installed by P.T.&T. Co.
- Power Pull Box.
- Communication Pull Box to be furnished by the State to the contractor.

Notes:

Note 4. These two pull boxes with stubs to existing curb will be installed by P.G.&E. Co.

Note 9. Connect to conduit stubs at curb.

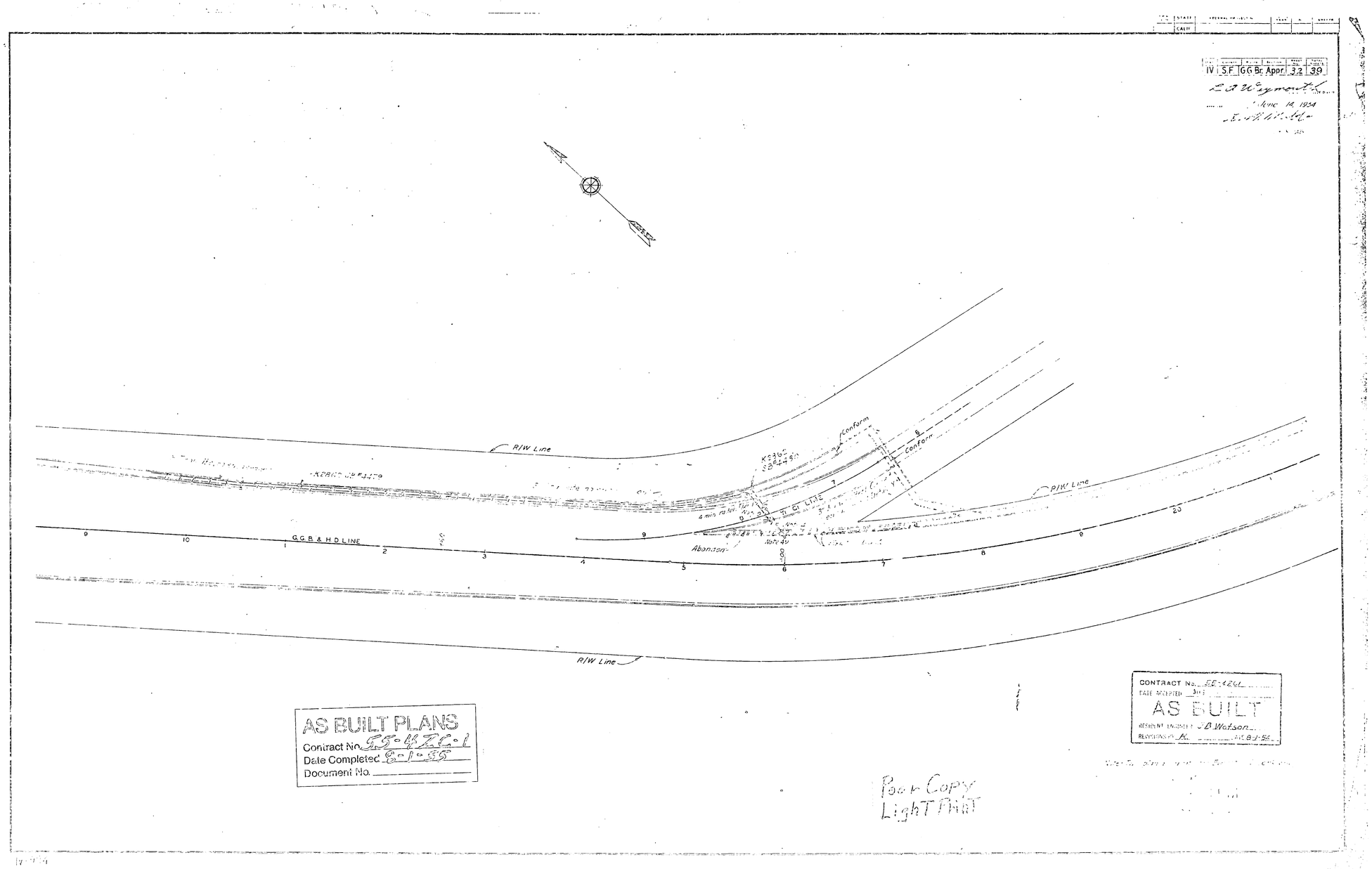
Note: This plan accurate for Electrical Work only.

POWER AND COMMUNICATION SYSTEM
Scale 1"=40'

IV-994

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY IDENTIFICATION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF FINANCE.

DATE _____ SIGNATURE _____ TITLE _____



I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

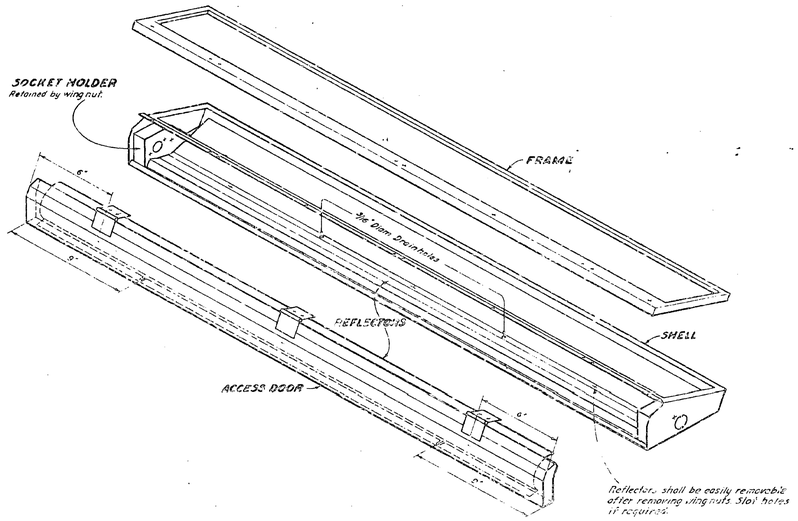
PROJ. DIV. NO.	STATE	FEDERAL PROJECT NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
	CALIF				

DIST	COUNTY	ROUTE	SECTION	SHEET NO	TOTAL SHEETS
IV	SF	101 SB		33	39

E.A. Wyngaardt
DISTRICT ENGINEER, DIST. IV

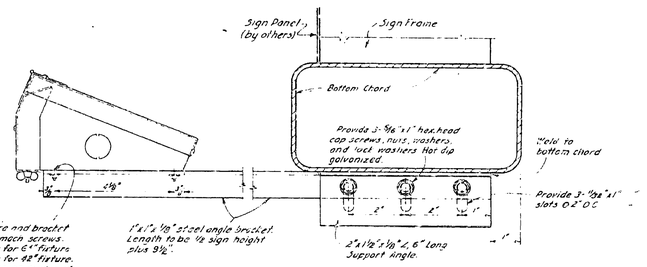
APPROVED June 15, 1954

Seth M. Wakeley

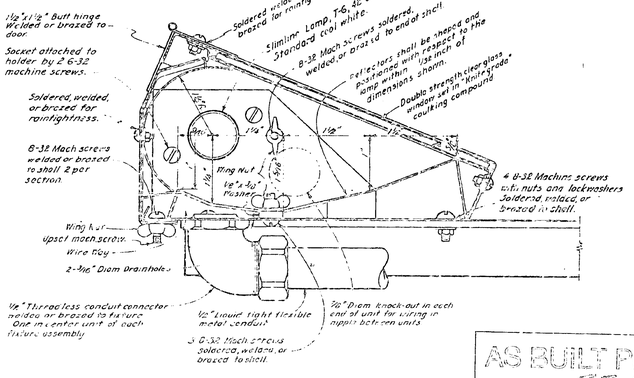


INSTALLATION OF LIGHTING FIXTURE
ON TYPE "A" SIGN FRAME

Scale: 1/2"=1"

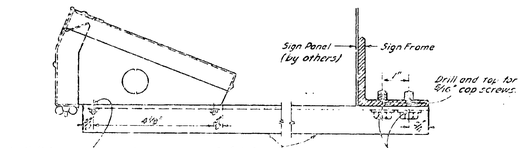


Note: All support angles and brackets shall be hot dip galvanized after fabrication.



SECTION THRU FIXTURE

Full Scale



INSTALLATION OF LIGHTING FIXTURE
ON TYPE "B" SIGN FRAME

Scale 1/2"=1"

Fixture Notes:

Frame, shell, door, and socket holders shall be made of 20 gauge stainless steel of brass or 18 gauge aluminum.

All other metal parts except reflectors and lockwashers shall be stainless steel, brass or Everdur.

Reflectors shall be .020" minimum thickness aluminum with specular Alzak "processed finish.

The outside of the fixture shall be painted with two coats of flat black outdoor type synthetic enamel.

Lamp socket contact springs shall be copper beryllium or .25 gauge minimum brass.

Overall length of fixture for 42" and 64" lamps shall not be over 43" and 65" respectively.

Machine screws shall be 6-32 with nuts and lock washers, except as noted.

All machine screws and nuts shall be plated brass "Everdur" or stainless steel. Lockwashers shall be stainless steel phosphor bronze, or copper beryllium.

CONTRACT No. 55-12C1
LAST ADDENDUM NO.
AS BUILT
ENGINEER'S NOTICE DATED
RECEIVED DATE

AS BUILT PLANS
Contract No. 55-12C1
Date Completed 12-15-55
Document No.

DETAILS OF
FLUORESCENT LIGHTING FIXTURES

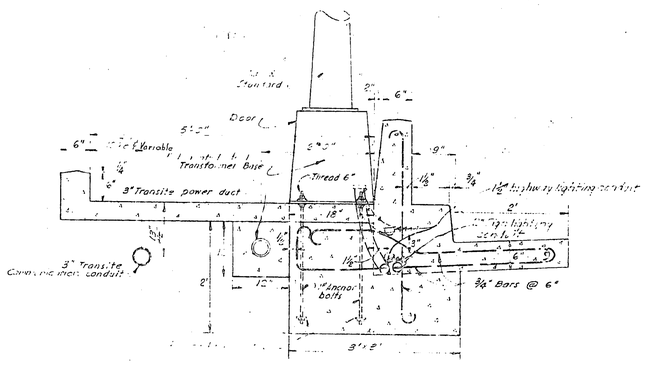
Scales as shown

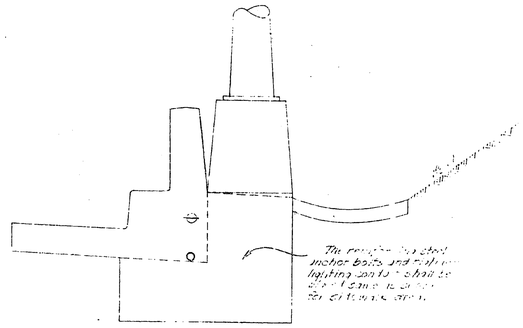
IV-694

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DEPARTMENT OF TRANSPORTATION.

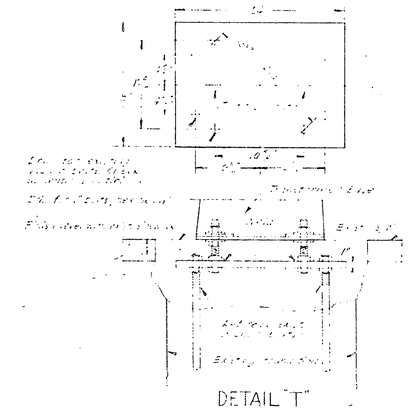
Dist.	County	Route	Section	Sheet No.	Total Sheets
IV	F.	- -	Br. Appr.	34	36

L.A. Hayworth
June 14, 1954
E.W. Holder

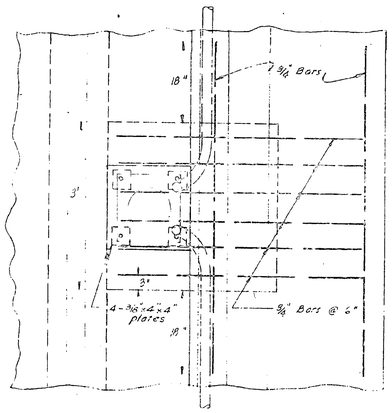




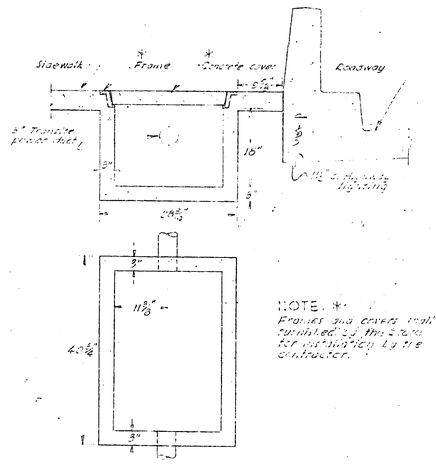
ELECTROLIER FOUNDATION IN GUTTER AREA
Scale: 1"=1'-0"



DETAIL "T"
NEW ELECTROLIER ON EXIST. FOUNDATION
Scale: 1½"=1'-0"

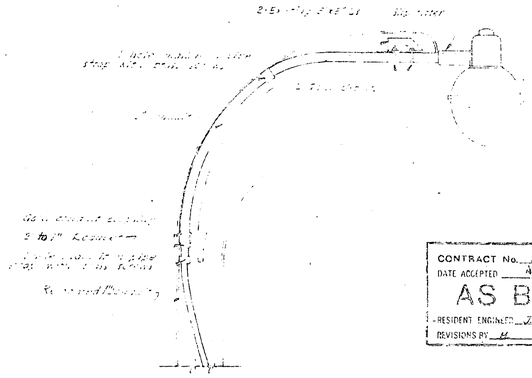


ELECTROLIER FOUNDATION IN SIDEWALK AREA
Scale: 1"=1'-0"



NOTE: *
Frames and covers shall be furnished by the State for installation by the contractor.

POWER PULL BOX
Scale: 1"=1'-0"



INSTALLATION OF REPLACEMENT LUMINAIRE ON EXIST. STANDARD
Scale: 1"=1'-0"

CONTRACT No. 55-427C1
DATE ACCEPTED AUG 6 1956
AS BUILT
RESIDENT ENGINEER J.A. Watson
REVISIONS BY M DATE 8-1-56

Poor Copy
Light Print

AS BUILT PLANS
Contract No. 55-427C1
Date Completed 8-1-56
Document No.

NO.	DATE	DESCRIPTION
4		
3		
2		
1		

TABLE OF REVISIONS

DRAWN BY	DATE	CHECKED BY	DATE
SCALE		DRAWING NO.	

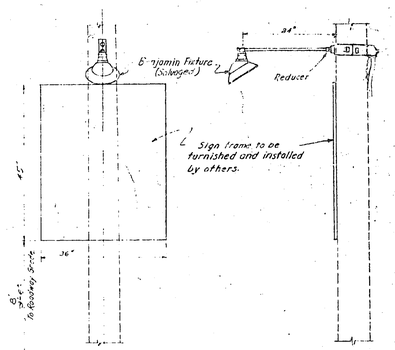
IV-994

THEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.
DATED [illegible] SIGNED [illegible]
CHIEF DRAFTSMAN OF HIGHWAY TRANSPORTATION

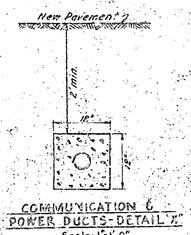
DIST.	COUNTY	ROUTE	KILOMETER POST NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	CALIF.					

DIST.	COUNTY	ROUTE	POST MILE	SHEET NO.	TOTAL SHEETS
IV	SF	65 B-Appr	35	38	

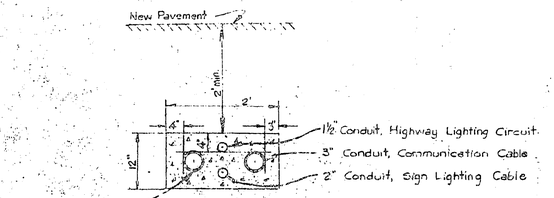
F. J. Zeimentz
June 12, 1964



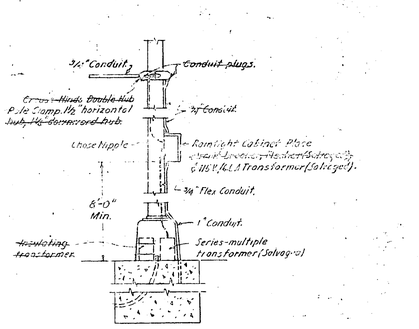
SIGN LIGHTING FIXTURE
Scale: 3/4" = 1'-0"



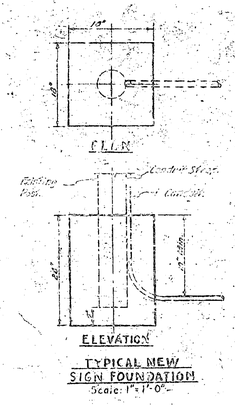
COMMUNICATION & POWER DUCTS-DETAIL "X"
Scale: 1"=1'-0"



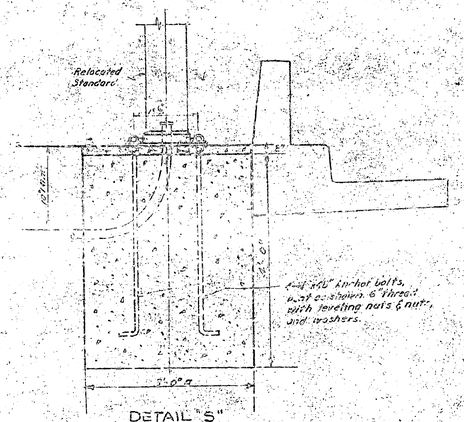
DUCT ENCASEMENT DETAIL "Y"
Scale 1"=1'-0"



DETAIL OF POLE
Scale: ½" = 1'-0"

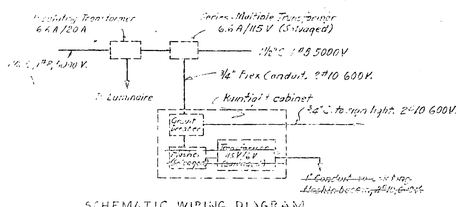


TYPICAL NEW SIGN FOUNDATION
Scale: 1"=1'-0"



DETAIL "S"
FOUNDATION DETAIL FOR STATE RELOCATED STANDARD
Scale: 1" = 1'-0"

Note: All bolts, nuts and washers shall be hot dipped galvanized.



SCHEMATIC WIRING DIAGRAM
DETAIL "A"

ELECTROLIER ST. STA. 0+00

AS BUILT PLANS
Contract No. 65-4Z6-1
Date Completed 2-1-66
Document No.

CONTRACT No. 65-4Z6-1
DATE ACCEPTED NOV 8 1965
AS BUILT
RESIDENT ENGINEER J.D. Watson
REVISIONS BY M DATE 6-1-65

NO.	DATE	DESCRIPTION	BY
5			
4			
3			
2			
1			

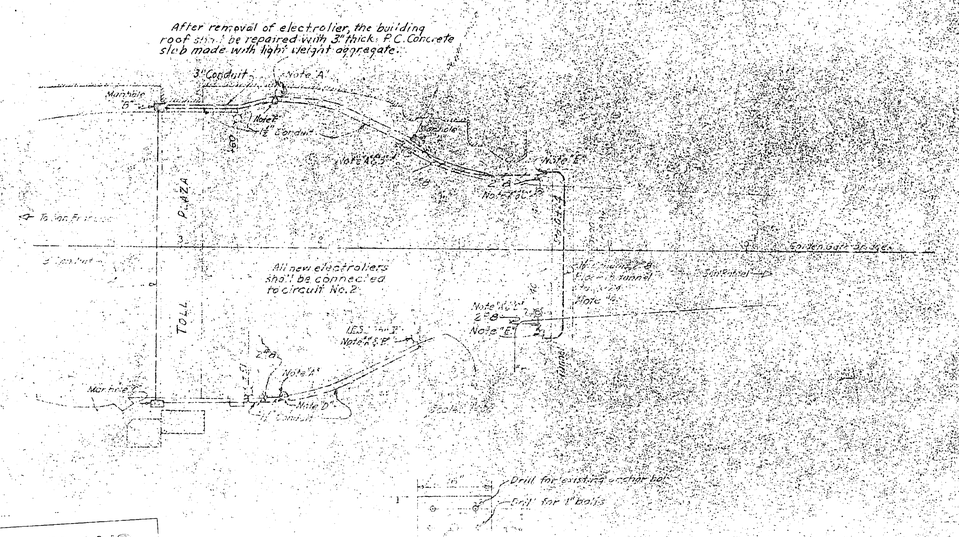
TABLE OF REVISIONS

ELECTRICAL DETAILS

DESIGNED	DATE	CHECKED	DATE
DRAWN		CHECKED	
TRACED		APPROVED	

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

AS BUILT PLANS
Contract No. 55-47C-1
Date Completed 8-1-55
Document No.



LOCATION OF EXISTING ELECTROLIER FOUNDATIONS

NOTICE SYMBOLS

Existing 4 foot Mastarm Electrolier (Circuit No. 2)

Existing conduit and wire (Circuit No. 2 as shown)

Place new conduit and new #8 S.J.T. conductors as shown

Existing drill box

Place Type "I" standard with 8 foot Mastarm, Transformer base and Insulating Panel Former, Luminaire with I.E.S. Type "I" light distribution and 15,000 Lumen Incandescent Lamp.

Place luminaire above connect with 10,000 lumen R.S.P. Mercury lamp and 4 foot Mastarm.

Note "A" Remove and salvage existing Electrolier

Note "B" Modify existing base per Detail "X"

Note "C" Modify existing base per Detail "Y"

Note "D" Grind off foundation anchor bolts and cement as necessary to place Sidewalk Drain Inlet with cover flush with existing sidewalk or planter surface, as directed by engineer

Note "E" Splice existing conductors to complete circuit when removing existing Electrolier

Note "F" Provide new hand hole complete with galvanized cover and locking device as shown, build new brick around

Installation and material shall conform with the Contract Specifications

Conductors shall not be spliced, but shall extend continuously from electrolier to electrolier, and shall be of sufficient length to allow for connection to luminaire

311-126.1
8-1-55

J.B. Mahon
Asst. State Bridge Engr.

Note: Table of Revisions for Electrical Work

NO.	DATE	DESCRIPTION
4		
3		
2		
1		

TABLE OF REVISIONS

REVISIONS OF TOLL PLAZA LIGHTING
CHANGE ORDER NO. ___ CONTRACT No. 55-47C-1

DRAWN BY	DATE	CHECKED BY	DATE
SCALE		BRIDGE NO.	

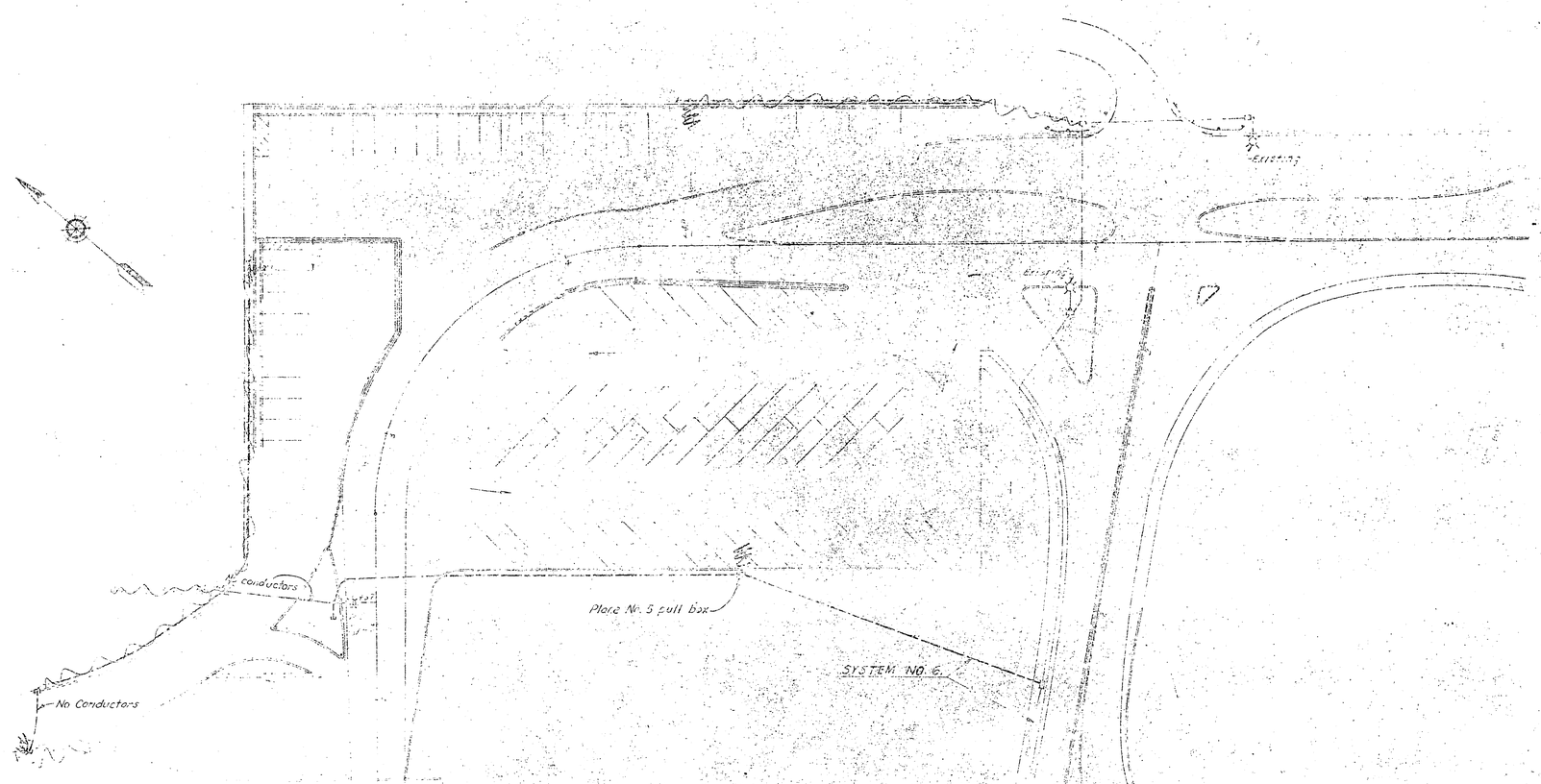
Poor Copy
Light Print

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE INSTRUMENT TAKEN UNDER MY DIRECTION AND IS OF THE SAME SIZE IN NATURAL TYPE AS THE ORIGINAL WITH THE AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.

Edward Swift

C69

DIST.	COUNTY	ROUTE	SECTION	PROJ. NO.	TOTAL SHEETS
IV	SF	66	8	35-B	39



NOTES & SYMBOLS

Existing [illegible] conductors

New [illegible] conduit and 2#8 5000 V conductors, except as noted.

Type [illegible] standard with 4 ft. mastarm and transformer [illegible] with 1.5 type [illegible] light distribution [illegible] unless noted. [illegible] 3'-4" behind face of curb

[illegible] Stub. Cut and with gale pipe cap. Existing No. 5 Pull Box.

[illegible] materials [illegible] conform with the contract "Special Provisions"

AS BUILT PLANS
Contract No. 55-4ZC-1
Date Completed 8-1-55
Document No.

Poor Copy
Light Print

55-4ZC1
8-8-60
J B Watson
HCS
[illegible]

NO.	DATE	DESCRIPTION	BY
4			
3			
2			
1			

TABLE OF REVISIONS

PARKING AREA LIGHTING
Change Order No. 16 Cont. No. 55-4ZC-1

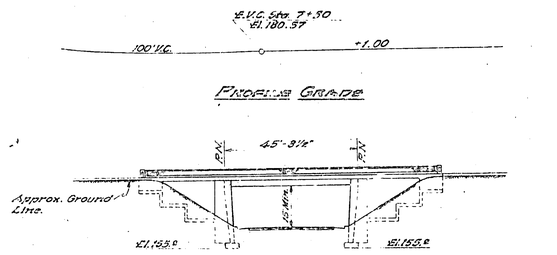
DRAWN BY [illegible] | DATE [illegible] | CHECKED BY | DATE [illegible]

SCALE 1" = 20' | DRAWING NO.

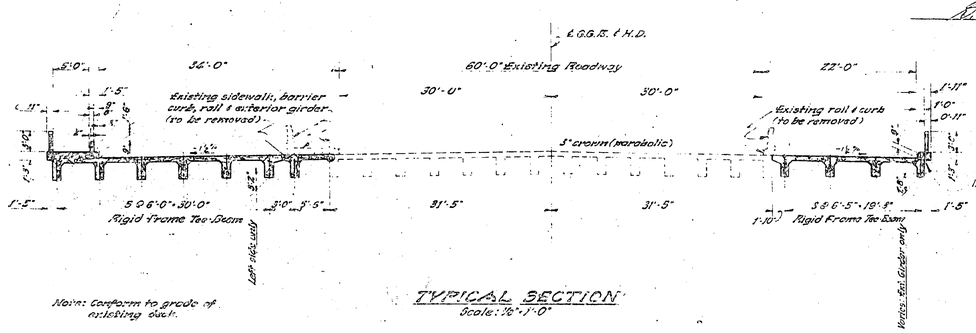
I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PERSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION

[illegible] Blackford

BRIDGE DEPARTMENT

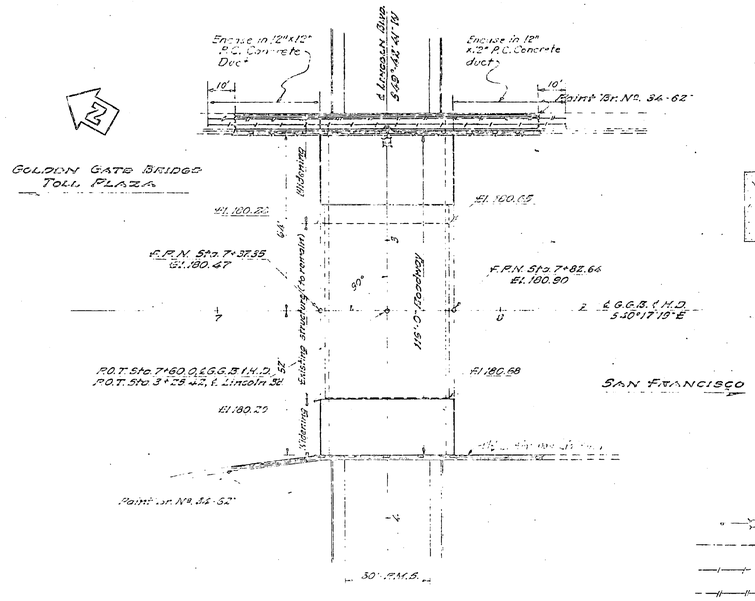


ELEVATION

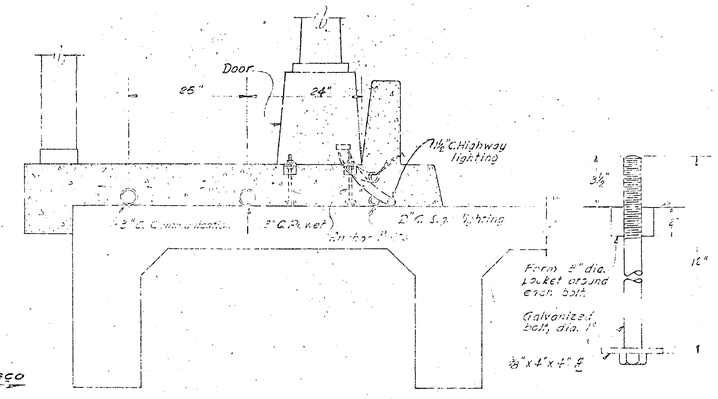


Note: Conform to grade of existing deck.

TYPICAL SECTION
Scale: ⅜"=1'-0"



PLAN



ELECTROLIER INSTALLATION
Scale: 1"=1'-0"

ANCHOR BOLT
Scale: 3"=1'-0"

SYMBOLS

- Type A-1 Standard, Type 24" Luminaire and 15,000 lumen lamp. Insulating transformer in base
- 1½" rigid steel Power conduit. Size to be provided for each circuit. Reg. P.G.&E. Co.
- 3" rigid steel Communication conduit. Size to be provided for each circuit. Reg. P.G.&E. Co.
- 2" rigid steel conduit for pedestrian "Stop-Don't Walk" signals. Approved Co. Forces

Note: Expansion joints to be sealed as shown on Std. Dwg. No. B3-7 "Bridge Approach Details"

AS BUILT PLANS
Contract No. 55-44 XC-1
Date Completed 8-1-56
Document No.

CONTRACT No. 55-44XC-1
DATE ACCEPTED AUG 1 1956
AS BUILT
RESIDENT ENGINEER J.R. Watson
REVISIONS BY ll DATE 8-1-56

Poor Copy
Light Print

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

LINCOLN BLVD. UNDERCROSSING WIDENING
LOCATED ON THE SAN FRANCISCO APPROACH TO GOLDEN GATE BRIDGE ABOUT 450' SOUTH OF THE TOLL PLAZA

ELECTRICAL PLAN

Electrical Engineer
SCALE: 1"=10' | DRAWN: J.G.-G.R. | CHK. | DRAWING

FREL. DRAWING NO. B-3738

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

DIST.	COUNTY	ROUTE	SECTION	SHT. No.	TOTAL SHEETS
IV	S.F.	82WR		35	39

R.A. Wigmore
DIST. ENGR. DISTRICT IV
DATE APPROVED June 16, 1954
E.M. Webb
Civil Engineer License No. 5429

IV-994

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.
SIGNED [illegible] TITLE [illegible]

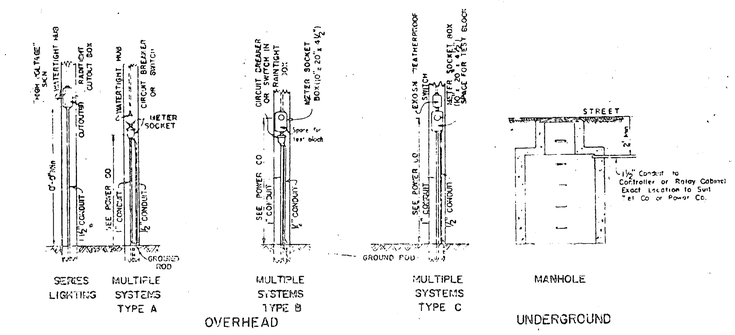
I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF TRANSPORTATION.

DIST	CO	ROUTE	SUFFIX	SHEET NO	TOTAL SHEETS
IV	5,F	GGBr	Appr	38	39

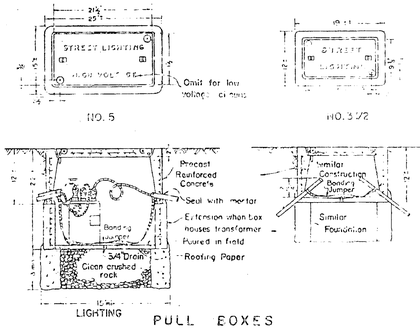
APPROVED August 5, 1953

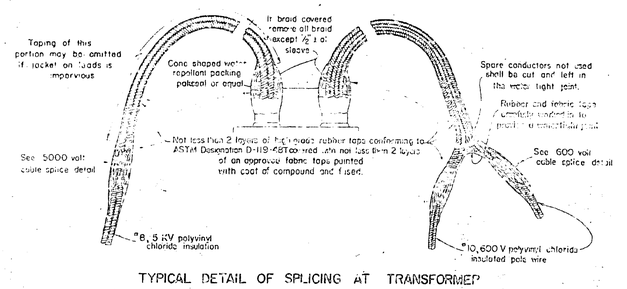
CHIEF ENGINEER

AS ACCOMPANY PLANS DATED June 19 1954

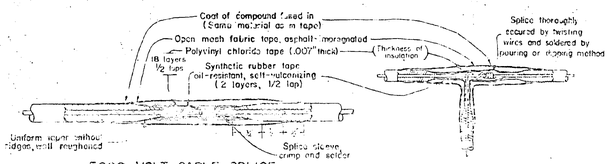


SERVICE DETAILS





TYPICAL DETAIL OF SPLICING AT TRANSFORMER



SYMBOLS

PROPOSED	EXISTING	
———	———	Signal conduit
- - - -	- - - -	Lighting conduit
□	□	Pull box
⊡—◦	⊡—◦	Electrolier, post cap type
⊡	⊡	Electrolier, wall or side type
○	○	Power pole
○—	○	Telephone pole
◇	◇	Fire hydrant
▽	▽	Flushing hydrant
———	———	Overhead conductors

AS BUILT PLANS
Contract No. 05-165221
Date Completed 3-1-55
Document No.

CONTRACT NO. 05-165221
BIDS OPENED JUN 1954
AS BUILT
RESIDENT ENGINEER
REVISIONS BY DATE 3-1-55

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS
STANDARD DETAILS

HIGHWAY LIGHTING INSTALLATIONS

Sept 1953

AS BUILT PLANS
Contract No. 55-47C-1
Date Completed 8-1-55
Document No.

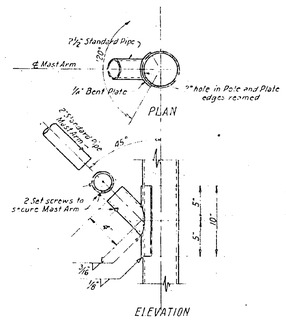
DIST	COUNTY	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
IV	SF	66	Appr	29	30

Approved October 15, 1951
Traffic Engineer
Civil Engineer License No 5471
To accompany plans dated June 14, 1954.

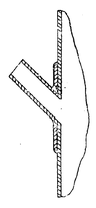
MAST ARM SCHEDULE

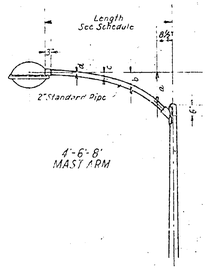
LENGTH	a	c	b	D	HAND HOLE DIST. TO TRAFFIC
2'	0"	2⅝"	5⅝"	12"	-
6'	0½"	3½"	8¾"	18"	-
8'	1"	4½"	1'-1"	2'-0"	-
10'	3¼"	13½"	2'-6"	4'-6"	8'-3"
12'	3"	13½"	2'-6"	4'-9"	9'-6"
15'	3"	12"	2'-5½"	5'-0"	10'-9"
18'	3"	12¾"	2'-7½"	5'-6"	12'-0"

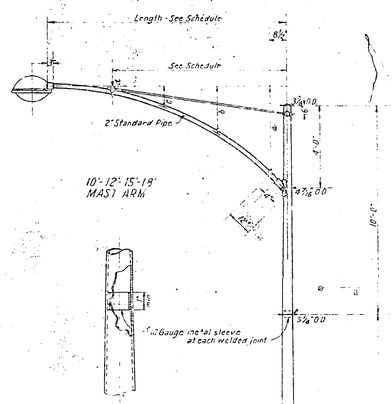
Mast Arm Curves are elliptical
Additional offsets will be furnished upon request

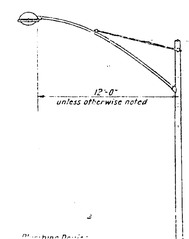


MAST ARM BRACKET

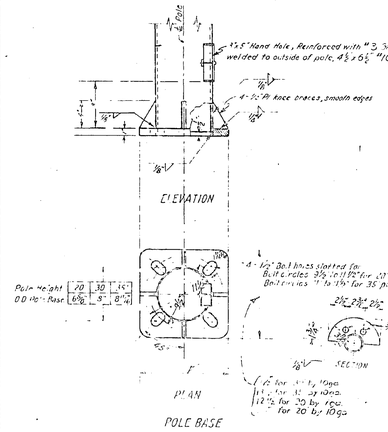

WELDING DETAIL
Not to Scale

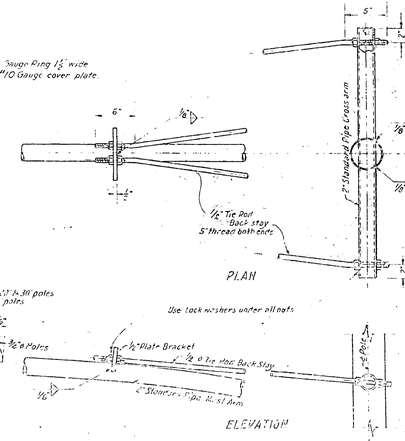




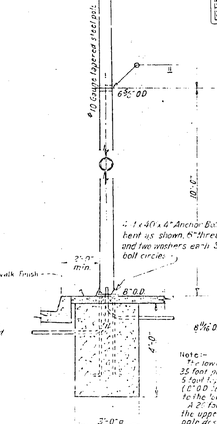


CONTRACT No. 55-47C1
DATE ACCEPTED AUG 9 1955
AS BUILT
RESIDENT ENGINEER J.B. Watson
REVISIONS BY H DATE 8-1-55





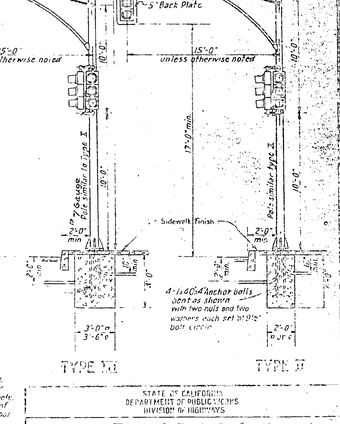
MAST ARM TIE RODS AND CROSS ARM

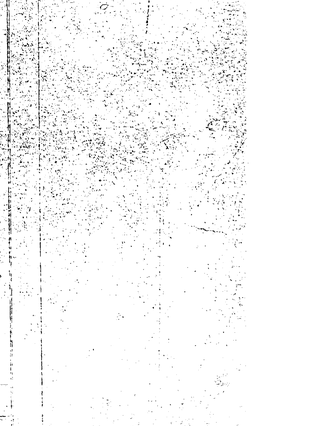


Note - All shafts, anchor bolts, nuts, washers and tie rods shall be galvanized & aluminum plated

Note:- The lower 5 foot length of a 25 foot pole shall consist of a 5 foot length of 7" OD 5lb. thick (6" OD for 8⅝" OD) but fitted to the lower end of a 20 foot pole. A 25 foot pole shall consist of the upper 20 feet of the 30 foot pole at right.

1 - 1¼ x 48" x 4" square bolts for 35' poles, 6 for 30' poles, 4 for 20' poles, each with one hot-mill from two ¼" x 4" washers.



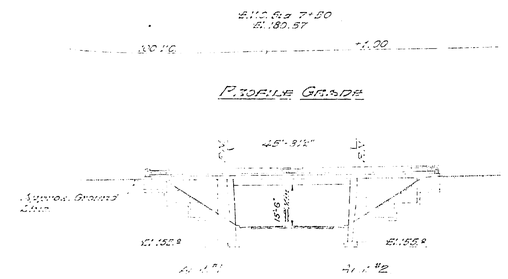


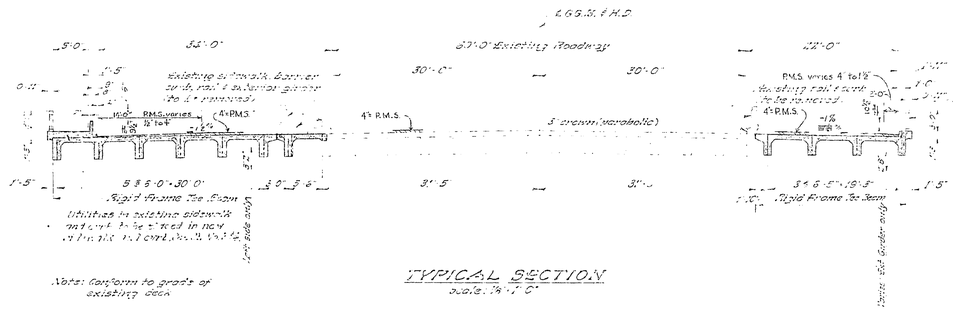
STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

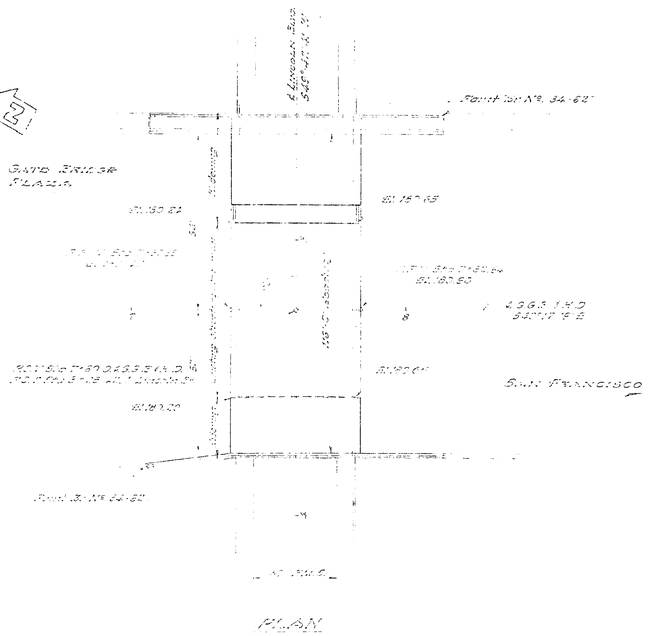
STANDARDS
CALIFORNIA TYPE
20', 25', 30' & 35' Poles (Steel)

Not to Scale	Revised 4-16-58	FILE	DRAWING

BRIDGE DEPARTMENT







General Notes

Specifications:
Type 1: A.S.S.H.O. dated 1935 with subsequent revisions, and Bridge Department Supplemental Dated 1953.

Construction: Standard Specifications, Division of Highways, dated January 1948 and the Special Provisions.

Live Loading: H 20-S 16-44

Unit Stresses:
Structural Steel: As Per Plan Notes
Reinforcement: As Per Plan Notes

Footing Pressure: 5 t.s.f.

Reinforcement: Reinforcement is clear to outside of bar and is 2" to main reinforcement, except as noted. Spacing for banks is four diameters, except as noted.
For areas are based on rounds for less than 1 mil square for steel.
Where reinforcing bars are spliced their shall have a 20 diameter lap unless otherwise called for on the plans.

All dependent dimensions, elevations and stations to be verified in the field before ordering materials.

Estimate of Approximate Quantities

Item	Quantity
1 Structural Concrete	1,200 cu.yds.
2 Structural Excavation	800 cu.yds.
3 Structural Backfill	1,400 cu.yds.
4 Class A Concrete	150 cu.yds.
5 12 inch Reinforcement	12,000 lbs.
6 Steel Piling	200 lin.ft.
7 Steel Railing	300 lin.ft.
8 Demolition, Incl. Piers	2 Units
9 Miscellaneous Work Items	Lump Sum

Index to Plans

Sheet No.	Title
1	General Plan
2	Foundation Plan
3	Elevations, Details
4	Deck Details
5	Standard Details
6	Deck Continuous Retaining Wall
7	Steel Railing
8	Miscellaneous Details

AS BUILT PLANS
Contract No. 55-42C1
Date Completed
Document No.

CONTRACT NO. 55-42C1
DATE ACCEPTED AUG. 4, 1954
AS BUILT
DESIGNED CHECKED
QUANTITIES CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

LINCOLN BLVD. UNDERCROSSING WIDENING

LOCATED ON THE SAN FRANCISCO - MARIN (GOLDEN GATE) BRIDGE APPROACH IN THE CITY AND COUNTY OF SAN FRANCISCO

DISTRICT IV

SCALE: AS SHOWN | BRIDGE NO. 28-0? | FILE | DESIGNED

FINAL DRAWING NO. 55-42C1-1

DIST.	COUNTY	ROUTE	POST MILE	SHEET NO.	TOTAL SHEETS
IV	S.F.	1-SF-101		1	15

FED. AID PROJ. NO.	STATE	PROJ. NO.	LOCAL AGENCY	SHEET NO.	TOTAL SHEETS
	CAL.			10	

DATE APPROVED: JUNE 14, 1954

FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	CAL.			41	

DIST	COUNTY	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
IV	S.F.	[illegible]		2	5

BRIDGE ENGINEER — CIVIL ENGINEER — LICENSE 5785

DATE APPROVED June 14, 1954

BRIDGE DEPARTMENT

AS BUILT PLANS
Contract No. 55-43C1
Date Completed ______
Document No. 4000 2181

CONTRACT No. 55-4ZC1
DATE ACCEPTED AUG 5
AS BUILT
RESIDENT ENGINEER T B Watson
REVISIONS BY ______ 3-9-55

SUPERSTRUCTURE PLACING DIAGRAM

Note: For dimensions, elevations and stations not shown, see sh. no. 3 "Abutment Details"

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

LINCOLN BLVD. UNDERCROSSING [illegible]

FOUNDATION PLAN

SCALE 1" = 20' | BRIDGE | FILE | DRAWING

PREV. DRAWING NO.

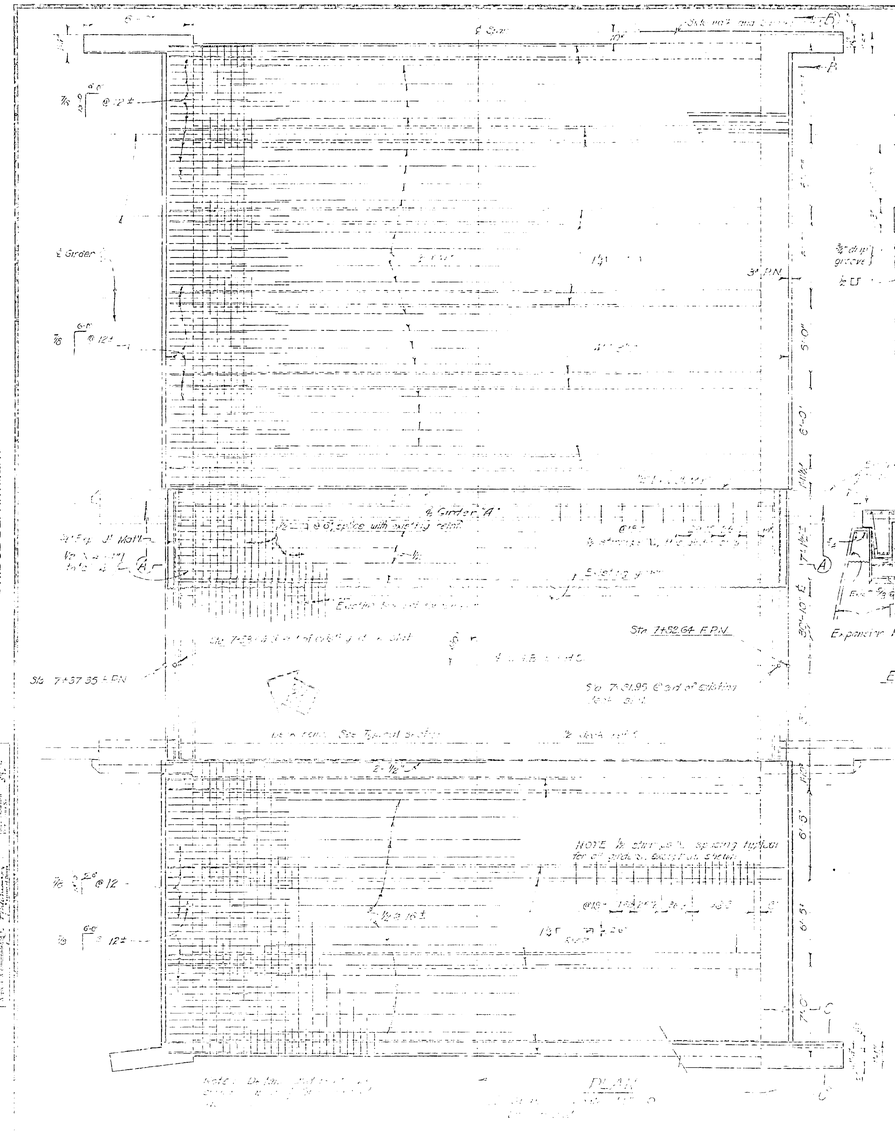
AS BUILT PLANS
Contract No. 55-4ZC1
Date Completed
Document No. 40002181

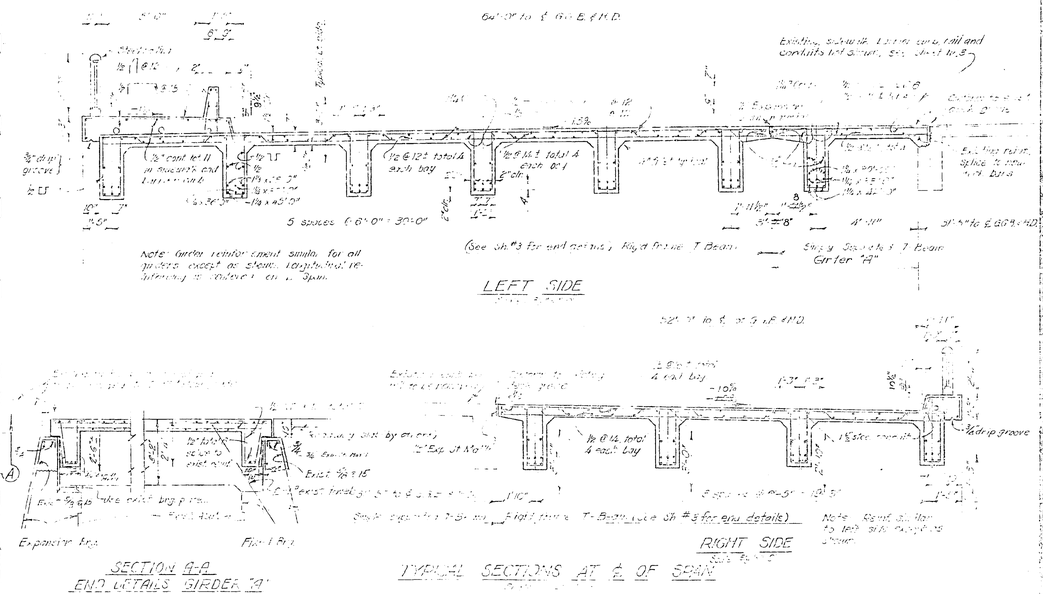
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL SEC.	SHT. NO.	TOTAL SHEETS
7	CAL.			23	

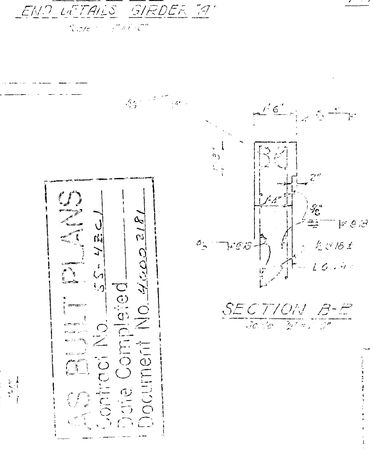
DIST.	COUNTY	ROUTE	SEC. NO.	SHEET NO.	TOTAL SHEETS
111	SF	99/		A	B

DATE APPROVED June 12, 1954

BRIDGE DEPARTMENT







AS BUILT PLANS
Contract No. 55-468
Date Completed
Document No. 64666 21R

CONTRACT NO. 55-468
DATE ACCEPTED JUL 5
AS BUILT

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

LINCOLN BLVD.
UNDERCROSSING WIDENING

BOX GIRDERS

FED. ROAD DIST. NO.	STATE		FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
2	CAL.				114

DIST.	COUNTY	ROUTE	SECTION	POST MILE	TOTAL SHEETS
IV	SF SOL IND			5	9

APPROVED June 10, 1964

STANDARD DWG

	Written	Date
Design		
Detail	R.A.	10-63
Check		
Check		
Supervised		

AS BUILT PLANS
Contract No. 55-147C1
Date Completed
Document No. 4000 R/W

ABUTMENT BACKWALL DETAIL U-1

Wall Reinf. Bar size and spacing see Abutment detail

END DIAPHRAGM DETAIL U-2

BENT CAP DETAIL U-3

4 Fillets

INTERMEDIATE DIAPHRAGM DETAIL U-4

1'-6" Min.

1'-0" Min.

INTERMEDIATE DIAPHRAGM SECTION DETAIL D-1

⅝ @ 12" x 6'-0

¾

Typical Slab Reinforcement

⅝ @ 15

Diaphragm normal to deck grade

10"

6"

¾

Bottom of girder

CONTRACT No. 55-147C1
DATE ACCEPTED Nov. 1965
AS BUILT
RESIDENT ENGINEER T. J. Watson
PLANS APPROVED DATE 5-9-65
No changes on this sheet

TRANSVERSE SLAB BRIDGE DETAIL J-1

Edger finish and Fill with asphalt

¼ Span Length

Main Reinf.

Conct Jt.

UTILITY OPENINGS

℄ Bent or abutment

At center of stem use Detail J-20

Mid way between girders

1'-6" Within this limit use Detail J-21

Within this limit use Detail J-22

¾" Keys 1'-0" long spaced 20" c/c

Slab

¾" Key

Edger finish and Fill with asphalt at joints.

Reinforcement continuous thru all joints

Raised Keys

¾" Keys See Plan

Stem

DETAIL J-20 DETAIL J-21 DETAIL J-22

Const Jt in slabs to be parallel to slab Reinf. for optional location see placing Diagram.

¾" Key

Edger Finish and Fill with asphalt

1'-6"

1'-6" x 6'-0" Total 4 Place against Shims

Reinforcement continuous thru joint

Normal to Girder

4½"

½

⅝

3

⅝

½ Bent or Abutment

0.2 Span Lengths

Slope horizontal bars 2" from the diagonal bars or the construction Jt. where necessary

2-#6 between 0.2 points of span except in notch of girder (3 - #6 in notch) See reinforcement Details for reinforcing.

TRANSVERSE GIRDER DETAIL U-5

CURB DETAIL C-1

SIDEWALK DETAIL S-1

CURB AND SIDEWALK EXPANSION JOINTS

NOTE: In simple span place joint at midspan. In continuous spans place joint 1' over interior piers or bents and at abutments.

½" Exp. Jt. Mat'l.

CONSTRUCTION JOINTS

Construction Joint

Raised Keys

Slab

A

18"±

Stem

Stirrups

SECTION A-A

Straight surface bar

Note: Location of longitudinal construction joints in slabs to be at edge of traffic lanes except as approved by the Engineer

PART PLAN X-X

LONGITUDINAL DECK SLAB

Curb

Set key in 2" where construction Jt. is exposed

Construction Jt. shown at minimum height

PART SECTION INTERIOR GIRDER

PART SECTION EXTERIOR GIRDER WITH SLAB CANTILEVER

PART SECTION EXTERIOR GIRDER WITH CURB

KEY - GIRDER STEM TO SLAB DETAIL J-3

Keys 12" x 5" over 50% of area

Construction Joint (Typical)

2-#6 x 3'-0" bent 6" for 12" min. lg. sync. at and height of diaphragm.

Limits for Bent Cap

Girder

Girder

Limits for Drop Inlet

Reinforcement continuous thru joint

4-#6 x 5'-0" Total 16 equally spaced.

Stop key 3" from exposed surfaces

BENT CAP DIAPHRAGMS LONGITUDINAL DETAIL J-4

Temporary Asphalt smooth side up and oiled over ½" cables or equal.

RUBBER WATERSTOP DETAIL P-1

for use where waterstop joint is required.

LATEX AT EXPANSION JOINT DETAIL L-1

3" Dia.

½" Exp. Jt. Mat'l.

6" Rubber Waterstop

15"

3½"

½" Edger finish

3" Min. for asphalt - 1/16"

Asphalt joint fill

Exp. Jt. Mat'l. Size as detailed

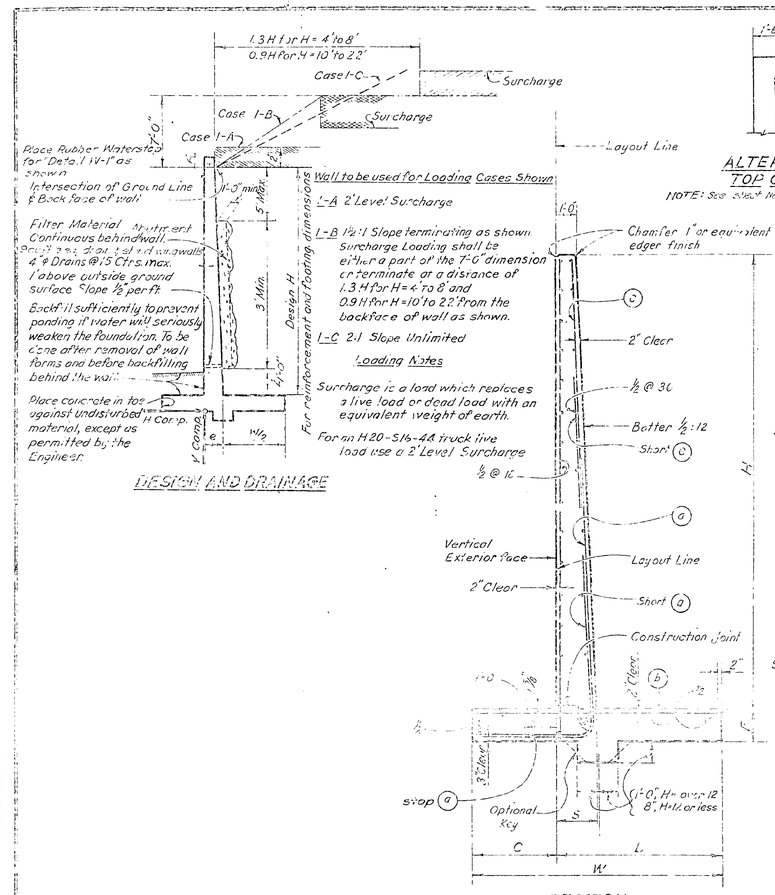
LINCOLN BLVD. UNDERCROSSING WIDENING

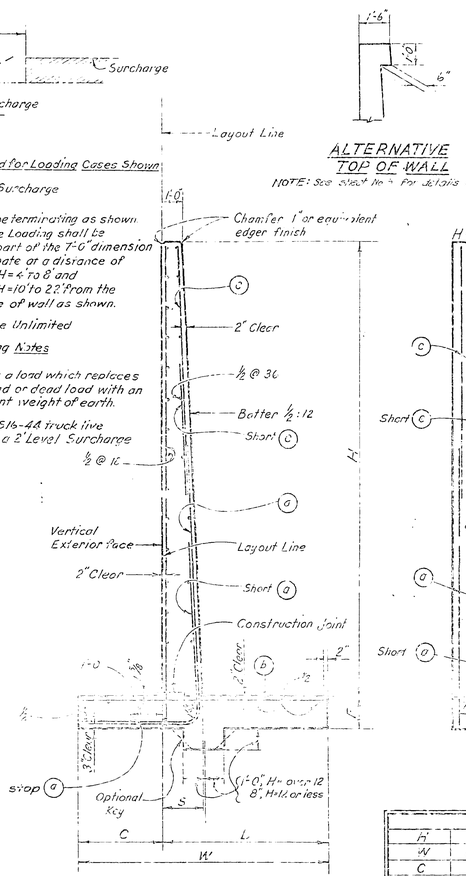
CONTRACT No. 55-687C1
DATE ACCEPTED AUG 1 1968
AS BUILT
RESIDENT ENGINEER F.B. Watson
REVISIONS BY [illegible] DATE 3-3-65

DIST IV | CO SF | ROUTE 480-580-HO | SHEET 6 | TOTAL SHEETS 8
September 1, 1965
Civil Engineer, Lic. No. 20841
P.E. Completion Plan Dated June 12, 1964

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS
BRIDGE DEPARTMENT

1961 CADD DRAWING
Drawn by ...
Checked by ...
Quantities by ...
Detailed by ...
Traced by ...
Checked by ...
Approved ...





ALTERNATIVE TOP OF WALL

NOTE: See sheet No. 4 for details of top of wall

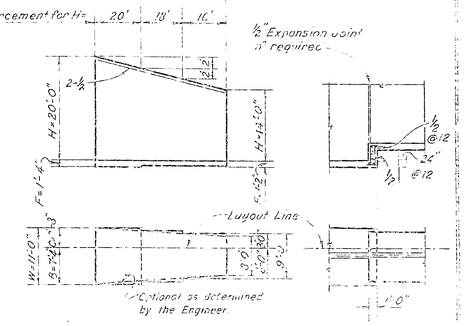
SECTION

ELEVATION

TABLE OF REINFORCING STEEL DIMENSIONS AND DATA

H'	22'	20'	18'	16'	14'	12'	10'	8'	6'	4'
W	12'-0"	11'-0"	10'-0"	9'-0"	8'-0"	7'-2"	6'-2"	5'-2"	4'-2"	3'-2"
C	4'-0"	3'-8"	3'-4"	3'-0"	2'-8"	2'-4"	2'-0"	1'-8"	1'-4"	1'-0"
B	8'-0"	7'-4"	6'-8"	6'-0"	5'-4"	4'-10"	4'-2"	3'-6"	2'-10"	2'-2"
F	1'-6"	1'-5"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"	1'-2"
G	1'-11"	1'-10"	1'-9"	1'-8"	1'-7"	1'-6"	1'-5"	1'-4"	1'-3"	1'-2"
Ⓒ Bars	⅞@16	⅞@17	¾@24	¾@ 4	¾@ 15	¾@ 20				
Ⓓ Bars	1¼@ 7	1⅛@ 8½	1⅛@ 8	1⅛@ 9	1⅛@ 11	1⅛@ 13	¾@ 6	¾@ 8	½@ 12	½@ 24
Ⓑ Bars	1⅛@ 7	1⅛@ 8½	1"@ 8	1"@ 9	1"@ 11	1"@ 13	¾@ 6	½@ 10	½@ 15	½@ 30
Conc. c.f./ft	52.1	45.0	38.5	33.5	28.5	24.3	20.2	15.3	12.0	8.9
Steel lbs./ft	309	253	177	23	90	56	47	28	20	12
Toe Press.	1460	4000	3590	3190	2960	2640	2270	1930	1570	1240
H Comp. lbs	630	5130	6000	6240	5240	4070	3050	2170	1490	950
V Comp. lbs	21070	19490	16910	15260	13160	11160	9340	7550	5950	4620
ϕ °	190	172	154	141	128	117	104	90	65	50

Use Reinforcement for H= 20' 10' 16'



TYPICAL LAYOUT EXAMPLE

NOTES

Design Conditions:
Wall to be used for Loading Cases shown in Design and Drainage detail.
Design H may be exceeded by 6" before going to next size.
Footing key is required except when found unnecessary in the field.
Backfill material is to be capable of producing the pressure loads listed in table.

Design Data: f'_c = 1,350 psi, f_s = 20,000 psi, n=10
earth = 120 pcf and equivalent fluid pressure = 36 psf per ft. of height

Reinforcement:
Intermediate Grade, Hard Grade or Rail Steel
Deformations shall conform to A.S.T.M. A 305.
Bars shall lay ... diameters, where spliced, unless otherwise shown on the plans.
Bends shall conform to the Manual of Standard Practice, A.C.I.
Backing for hooks is four diameters.
All bar embedments are clear distances to outside of bar.
Spacing for parallel bars is c. to c. of bars.
Bar areas are based on rounds for less than 1" and squares for over 1"

6"
½ Dia.
5/8"
RUBBER WATERSTOP
Use only when watertight joint is required
½" Chamfer on exposed face
½" Expansion Joint fill with expansion joint filler. Joint to extend from top of footing to top of wall. Locate joint at construction joints or as directed by the Engineer.
FILLER IN EXPANSION JOINT

AS BUILT PLANS
Contract No. 55-687C1
Date Completed [illegible]
Document No 40006 2111

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

LINCOLN BLVD. UNDERCROSSING WIDENING

SCALE As shown | CONCRETE [illegible] | REINFORCING [illegible] | DRAWING [illegible]

DATE [illegible]

For 1200

STANDARD DRAWING

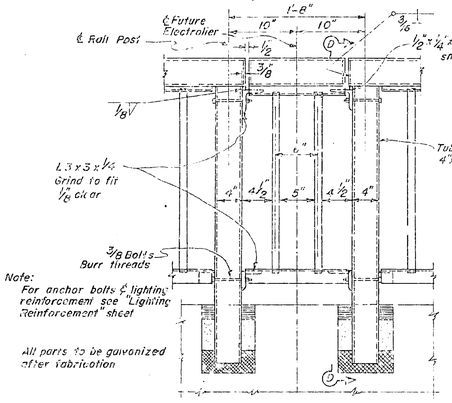
Submitted by [illegible] Date [illegible]

Design [illegible] Standard No. [illegible]

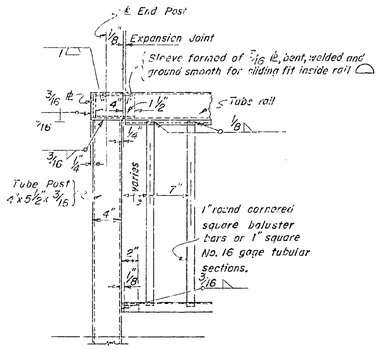
Details [illegible] Date WEP 6-55 Checked [illegible]

Approved as basis for design [illegible] Engineer of Design [illegible] Civil License No. [illegible]

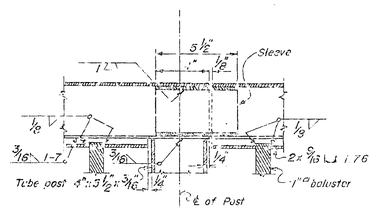
BRIDGE DEPARTMENT



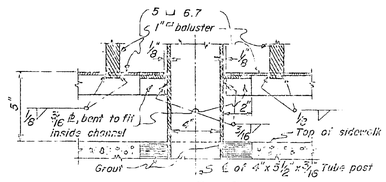
RAILING CLOSURE-DETAIL E-3 Scale 1½"=1'-0" SECTION D-D



SINGLE END POST
Scale: 1½" = 1'-0"



SECTION (J)-(H)
Scale: 3" = 1'-0"



SECTION (G)-(G)
Scale: 3" = 1'-0"

NOTES:

Space posts to clear expansion joints by 9" min. to ℄ of post.

Exact post hole locations are to be determined from approved railing shop plans.

Railing shall conform to horizontal and vertical alignment. Posts and balusters shall be vertical with a maximum deviation not to exceed that represented by a rise of 1½" in one panel.

Railing to be galvanized after fabrication. For further requirements see special provisions.

DIST. 12 | COUNTY ORA | ROUTE 55 | POST MILES R7.7

IV | 8 F 6L HAND | 7 | E

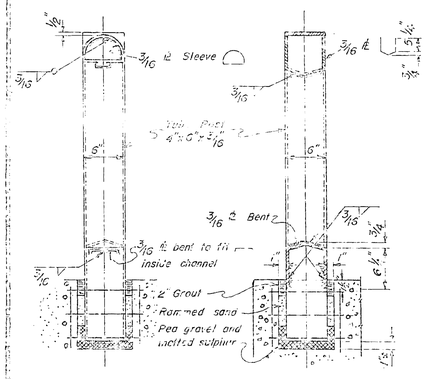
[illegible] June 14, 1954

CONTRACT NO. 55 ABG1

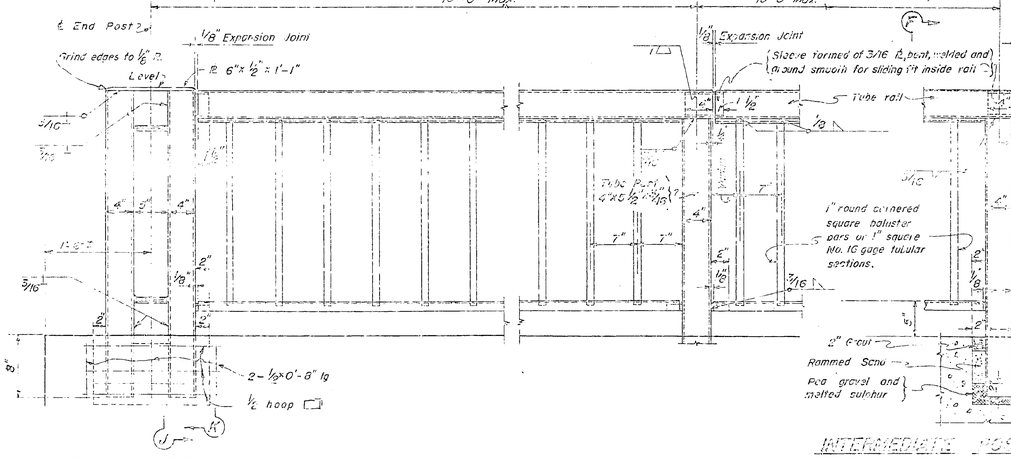
AS BUILT

RESIDENT ENGINEER J.B. Hansen

REVISIONS [illegible] Date 3-9-55



ELEVATION (K)-(K) SECTION (J)-(J)



DOUBLE END POST

INTERMEDIATE POST

SECTION (G)-(G)

STEEL RAILING DETAILS
Scale: 1½" = 1'-0"

AS BUILT PLANS
Contract No. 55-ABG1
Date Completed [illegible]
Document No. [illegible]

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

LINCOLN BLVD. UNDERCROSSING WIDENING

STEEL RAILING DETAILS

SCALE AS SHOWN | ENGR. [illegible] | FILE [illegible] | DRAWING

FED. AID PROJ. NO.	WAVE	PROJECT NO.	SHEET NO.	SHEETS	TOTAL SHEETS
2	CAL.		1		141

DIST.	COUNTY	ROUTE	SECTION	BRIDGE NO.	SHEET NO.
7-V	SF	170		8	6

DISTRICT ENGINEER

APPROVED _____ 19__

AS BUILT PLANS
Contract No. 55-42C1
Date Completed _____
Document No. 4000 2181

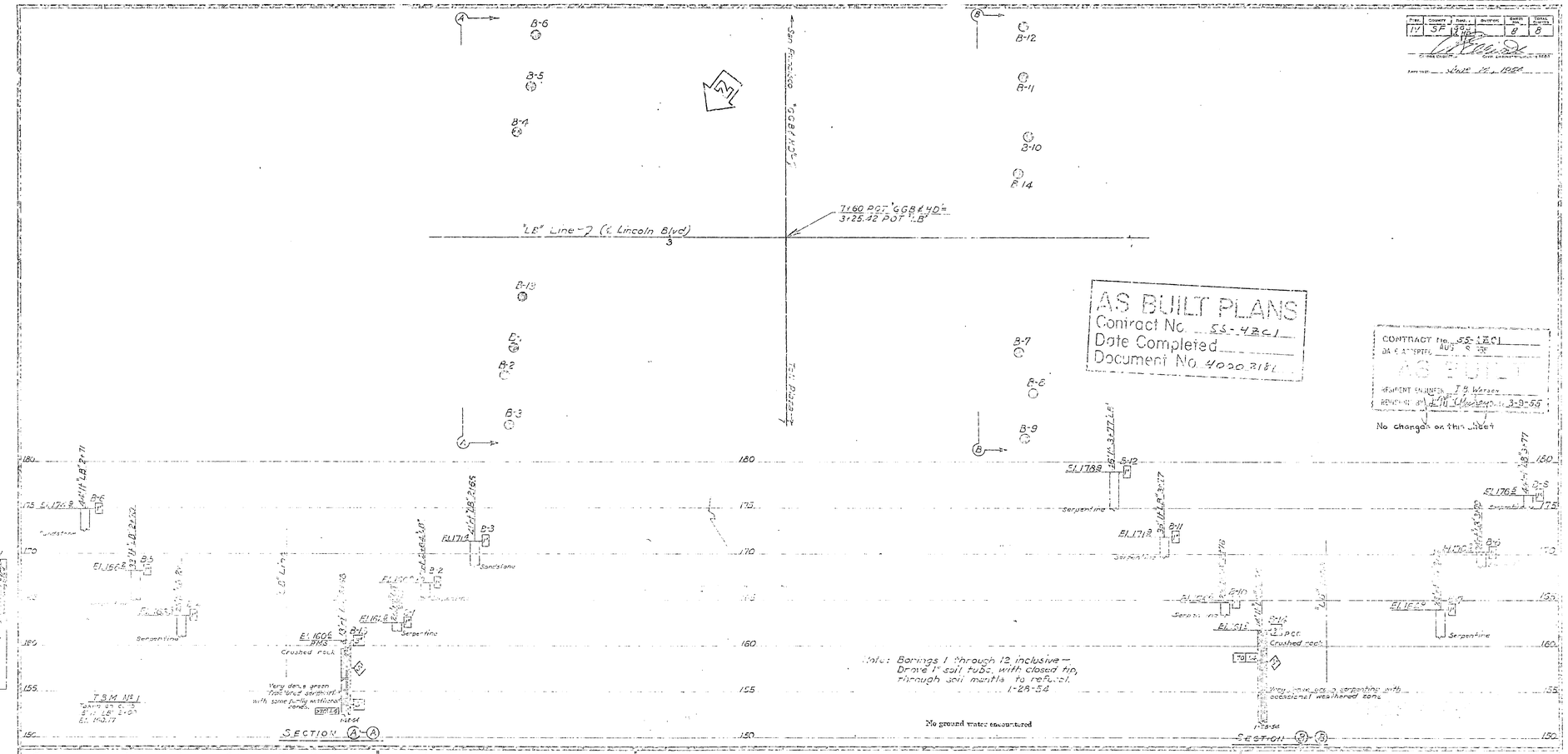
CONTRACT No. 55-42C1
DATE ACCEPTED AUG 9 1956

AS BUILT

RESIDENT ENGINEER J. S. Warren
REVISIONS AS BUILT 3-9-55

No changes on this sheet

BRIDGE DEPARTMENT



Note: Borings 1 through 12 inclusive — Drove 1" soil tube with closed tip through soil mantle to refusal. 1-28-54

Classification of Material Based on Standard Grade Size Limits

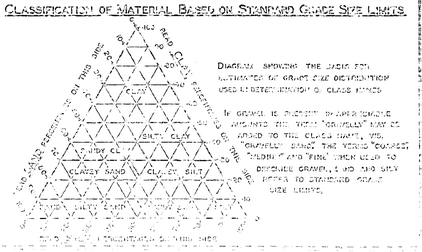


Diagram showing the basic soil nomenclature for grain size determination used in determining the group & class names.

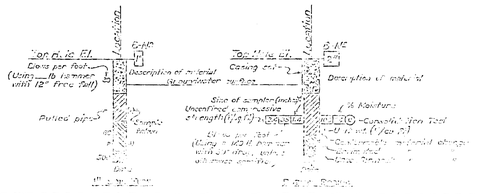
If grade is plotted in appropriate area, the soil may be classified. The words "gravelly" may be added to the clayey names, viz. "gravelly clayey sand". The words "coarse", "medium" and "fine" may be used to designate gravel, sand and silty fines in standard grain size limits.

Legend of Earth Materials

- Gravel
- Sand
- Silt
- Clay
- Sandy Clay or Clayey Sand
- Sandy Silt or Silty Sand
- Silty Clay or Clayey Silt
- Flat Mixed Coarse Clay
- Fill or Waste Material
- Igneous Rock
- Sedimentary Rock
- Metamorphic Rock

Legend of Boring Operations

- Place of Min Borings
- Penetrometer
- S.P.T. Core Penetrometer
- Standard Cutting (Core)
- Rotary Coring (Wet)
- Auger Coring (Dry)
- Jet Drilling
- Core Drilling
- 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 as implying conditions.

Penetrometer borings using 2" O.D. casing and 1 3/8" I.D. penetrometer to obtain soil data for the depth of the embedding shell for diameter at its base.

FEDERAL AID PROJECT	STATE
	DESIGNATION OF PILLING USED
	DIVISION OF HIGHWAYS

F.A. ROAD D.T. NO.	DIST.	COUNTY	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	CAL.				16	

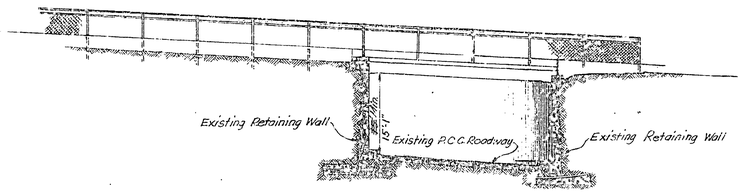
DIST.	COUNTY	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
IV	S.F.	56	S.F.	1	5

DISTRICT ENGINEER — SAN FRANCISCO — CIVIL ENGINEER — SECOND DIST.

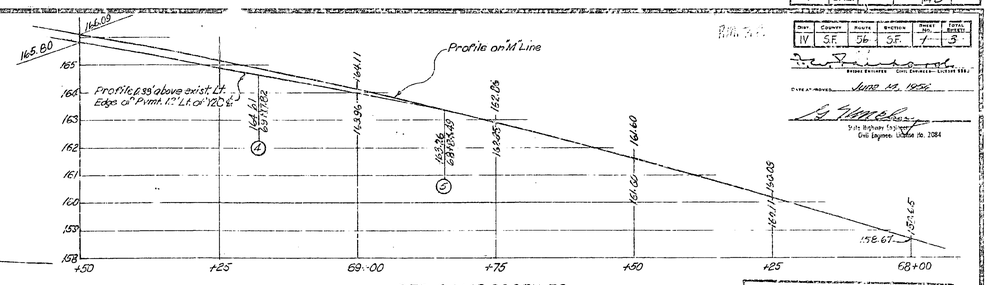
DATE APPROVED June 13, 1956

State Highway Engineer
Civil Engineer License No. 2084

BRIDGE DEPARTMENT



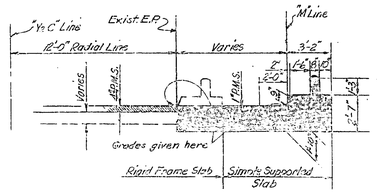
ELEVATION



OFF-RAMP PROFILES

Scales: Vert. 1"=2' Horiz. 1"=10'

PT.	COORDINATES	
	NORTH	EAST
1	50055.782	19733.387
3(E.C.)	50007.262	19644.950
3(E.C.)	49884.130	20010.416
4	50012.372	19845.938
5	49994.201	19872.132
6	50001.703	19845.981
7	49986.542	19875.180
8	49861.521	19984.207
9	49308.018	19428.973
10	50007.667	20029.702
11	50000.000	20000.000
12	50065.277	19973.783
13	49892.580	20018.512
9'(20')	51442.546	20405.017



TYPICAL SECTION A-A

½"=1'-0"

CONTRACT No. 55-42C1
DATE ACCEPTED AUG 6 1956
AS BUILT
RESIDENT ENGINEER J.B. Watson
REVISIONS BY [illegible] DATE 3-9-55

GENERAL NOTES

Specifications:
Design: A.A.S.H.O. dated 1953 with subsequent revisions, and Bridge Department Supplement dated 1953.

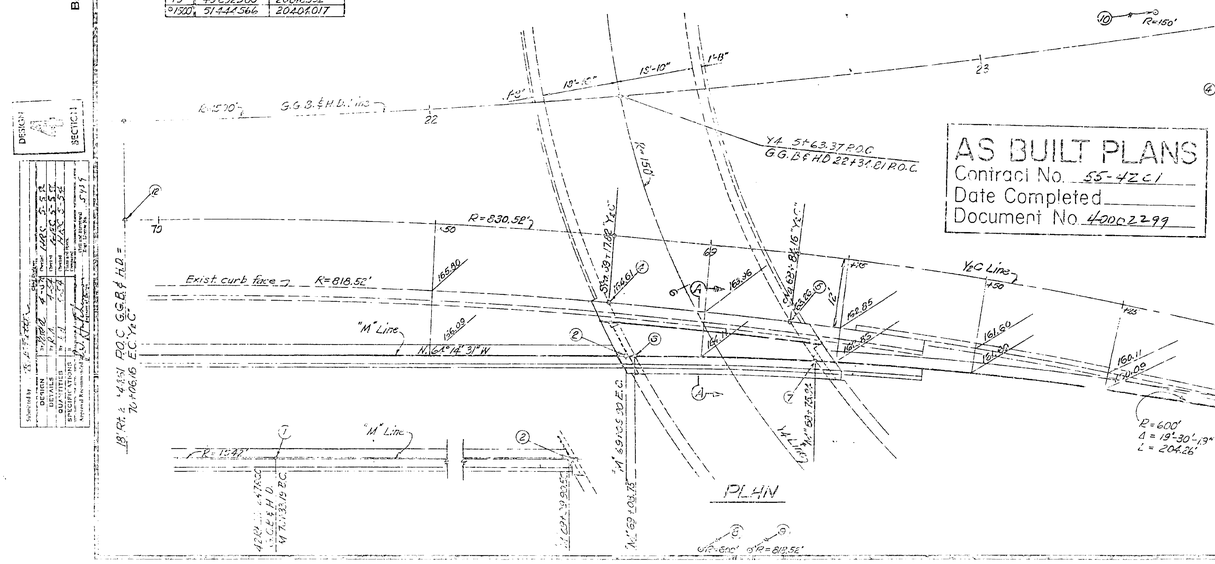
Construction: Standard Specifications, Division of Highways, dated January 1945 and the Special Provisions.

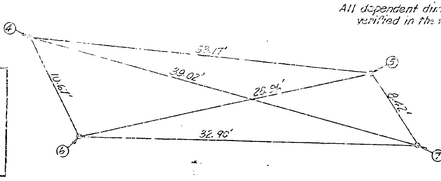
Live Loading: H 20-S16-44

Unit Stresses:
Reinforced Concrete: f_s = 20,000 p.s.i., f_c = 1250 p.s.i.

Reinforcement: Embedment is clear to outside of bar and is 2" to main reinforcement, except as noted. Bending for hooks is four diameters, except as noted. Bar areas are based on rounds for bars larger than 1" and squares for over 1". Where reinforcing bars are spliced they shall have a 20 diameter lap unless otherwise called for on the plans.

All dependent dimensions, elevations, and stations to be verified in the field before ordering material.





LAYOUT DIAGRAM

Scale: 3/16"=1'-0"

INDEX TO PLANS

Sheet No.	Title
1.	General Plan
2.	Deck Details
3.	Log of Test Borings

ESTIMATE OF APPROXIMATE QUANTITIES
BRIDGE NO. 34-20

ITEM	QUANTITY
Concrete Removal	15 C.Y.
Structure Excavation	8 C.Y.
Structure Backfill	5 C.Y.
Class A P.C. Concrete	35 C.Y.
Rubber Waterstops	40 Lin. Ft.
Bar Reinforcing Steel	10000 Lbs.

AS BUILT PLANS
Contract No. 55-42C1
Date Completed
Document No. 400022299

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

MARINA APPROACH D.C. WIDENING
LOCATED ABOUT ¼ MILE SOUTH OF THE GOLDEN GATE BRIDGE TOLL GATE

GENERAL PLAN

12.0' Except as noted	Bridge No. 34-20	File	Original

L.L. 1180-516-44

P.S.L. PRINTING CO. P-5759

MICROFILMED

FED. ROAD DIV. NO.	STATE	PROJ. NO.	PUBLIC YEAR	SHEET NO.	TOTAL SHEETS
7	CAL.			14	

DIST.	PROJECT	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
10	SF	80	SF	8	9

DISTRICT ENGINEER — CIVIL ENGINEER — STATE OF CALIFORNIA

DATE APPROVED June 15, 1954

BRIDGE DEPARTMENT

Layout Line = face of wall
R = 163.83'

12 @ 6"

2@8"

1¼ cont
1¼ X 86'-0" centered on Y4' Line

20 Spaces @ 15"
½ Stirrups

1¼ cont, total 8

Exist reinf, extend into new construction as shown.

R = 818.52'

2@6"

Edge of rigid frame deck

Ret. wall
Note "A"

2'-0"

1'-8" P.N.

3'-2"

1'-8"

2'-10"

1'-0"

⅞ @ 12

⅞ @ 15

1¼ cont.
1¼ X 86'-0" centered on Y4' Line

Space evenly throughout span

R = 150'
Y4' Line

Layout Line = face of wall
R = 136.11'

1'-6"

N

PLAN
BOTTOM REINFORCEMENT SHOWN

5/8 [2'-6"

⅞

1¼
1¼ [top layer
1¼ [second layer

Note: No's at end of bars indicate distance from face of wall.

Exist. reinf., extend into new construction as shown.

6'-0"

Stirrups not shown. See Plan there.

"Note D"

⅞ cont spaced evenly, total 4

1¼ cont @ 7, total 4

⅞ @ 18" throughout.

1¼ cont.

Note: Curbs, rail not shown.

PLAN
TOP REINFORCEMENT SHOWN

"Note E": ½" Expansion material between concrete and steel.

"Note A": 2 Layers ⅛" asbestos sheet packing, graphite between.

Edge of rigid frame deck

Ret. wall

Existing curb, rail, & edge beam to be removed

3'-4"

Varies

3'-8"

Fence anchor bolts: Not Placed

"Note B"

2'-0"

1'-8"

6"

10"

½ Pipe @ 18

2"

4" P.M.S.

1¼ total 5

⅞ @ 18

1'-0"

5"

1'-3"

1" Φ x 12" Post Pockets @ 10' OC

2'-7"

Exist reinf.

Varies

½ [

1¼ cont, total 6

1¼, See Plan.

¾" Drip groove.

SECTION A-A

Notes: Falsework to be installed to adequately support existing slab prior to removal of edge beam.
Exposed slab reinf. (exist.) to be embedded in new edge beam.
For curb off bridge and fence see "District Plans".

3" P.N.

⅝ [total 9

¾ See Dia.

1'-0"

1'-6"

1'-3"

1¼ X 5'-0" dowels @ 12

⅞ See Plan.

½ @ 12

¾

6"

2'-10"

1'-10"

Exist. Ret. Wall

SECTION B-B

⅝ [total 6

3" P.N.

1¼ top layer

1¼ second layer

P.M.S.

2'-6"

2'-0"

1¼ [

½ [

1'-10"

Exist reinf. extend 4'-6" min. into new const. as shown.

Exist const. joint (limit of new construction)

SECTION C-C

⅝ [total 5

¾ See Dia.

1'-10"

2'-0"

1'-6" Min.

¾

Note 4"

1'-10"

⅞ See Plan

Exist. Ret. Wall

SECTION D-D

Note: Section E-E (not shown) is similar except opposite hand and no second layer of reinf.

DESIGN
SECTION

	DESIGN	DETAILS	QUANTITIES	SPECIFICATIONS
Submitted				
Checked				
Date	11-22-54	11-22-54	11-22-54	11-22-54
Drawn	A.F.E.	T.B.W.	T.B.W.	
Traced				
Checked				

Special Provisions contained in Book dated 11-15-54

CONTRACT No. 55-42C1
DATE ACCEPTED AUG
AS BUILT
DRAWN T.B. Wasley
REVISED BY J. H. Chambers DATE 3-3-55

AS BUILT PLANS
Contract No 55-42C1
Date Completed
Document No 140027-99

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

MARINA APPROACH O.C. WIDENING

DECK DETAILS

SCALE 1/2" = 1'-0" | DATE 3-1-20 | FILE | DRAWING | SHEET

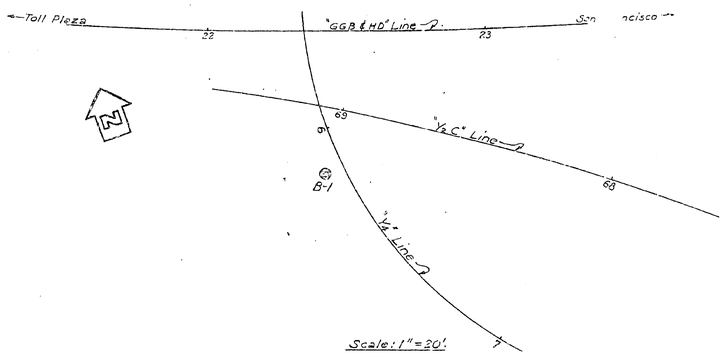
REEL DRAWING NO. P-

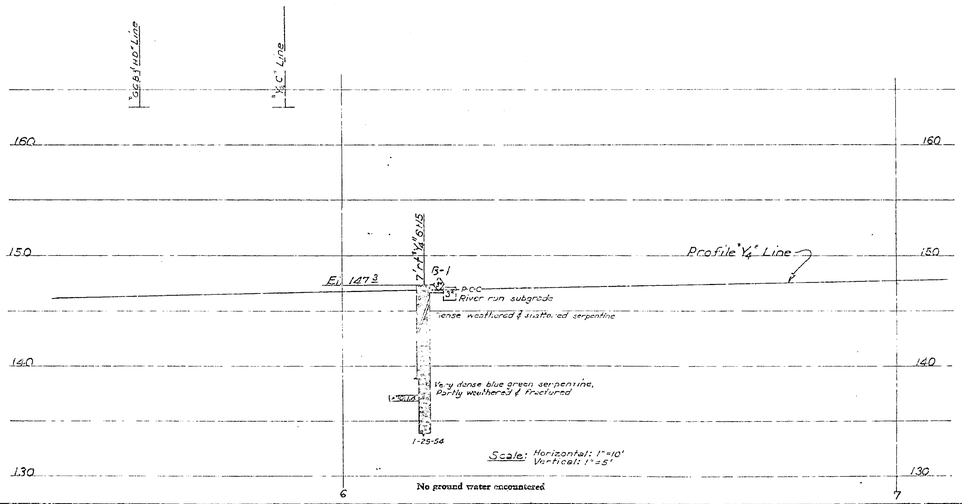
FED. AID PROJ. NO.	STATE	DIST.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2	CAL.			50	

DIST.	COUNTY	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
IV	SF	56	SF	1	3

APPROVED June 14, 1954

BRIDGE DEPARTMENT





T.B.M. No. 1
Nail in P.C.C.
@ E. Sta. 61+50 "½" line
Elev. 147.20

FIELD STUDY			
DRAWN			
CHECKED			

Approved Recommended for U.S.F. Highways
Chief Engineer

AS BUILT PLANS
Contract No. 55-42C1
Date Completed
Document No. 400022299

CONTRACT No. 55-42C1
DATE ACCEPTED AUG 8 1955
AS BUILT
RESIDENT ENGINEER J. B. Watson
REVISIONS No changes on this sheet DATE 3-8-55

CLASSIFICATION OF MATERIAL BASED ON STANDARD GRADE SIZE LIMITS.

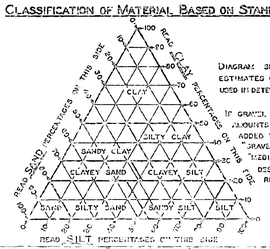


DIAGRAM SHOWING THE BASIS FOR ESTIMATES OF GRADE SIZE DISTRIBUTION USED IN DETERMINATION OF CLASS NAMES

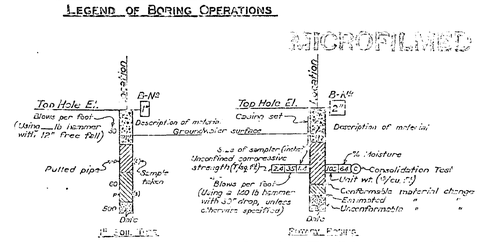
IF GRAVEL IS PRESENT IN APPRECIABLE AMOUNTS THE TERM "GRAVELLY" MAY BE ADDED TO THE CLASS NAME, VIZ. "GRAVELLY SAND." THE TERMS "COARSE," "MEDIUM" AND "FINE" WHEN USED TO DESCRIBE GRAVEL, SAND AND SILT REFER TO STANDARD GRADE SIZE LIMITS.

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 CLAY
- FILLED MATERIAL
- IGNEOUS ROCK
- SEDIMENTARY ROCK
- METAMORPHIC ROCK

LEGEND OF BORING OPERATIONS

- PLAN OF ANY BORING
- PENETROMETER
- 2½" CORE PENETROMETER
- SAMPLER BORING (DRY)
- ROTARY BORING (WET)
- AUGER BORING (DRY)
- JET BORING
- CORE BORING
- TEST PIT



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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.

PENETROMETER BORINGS HAVING A RATE OF PENETRATION MEASURED IN SECONDS PER FOOT (S/F) DRIVEN WITH A NO. 2 UNIVERSAL-TERRY AIR HAMMER AT 115 PSI.

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

MARINA APPROACH OVERCROSSING WIDENING

LOG OF TEST BORINGS

SCALE: 1" = 5'	DRAWN: 3-1-55	TRACED	CHECKED