Trim Prints to this line

SINGLE BOX SECTION
TO BE USED FROM
STATION 130+24.90 TO STATION 130+35.00

ALL LONGITUDINAL STEEL TO BE ½"φ

DOUBLE BOX SECTION
TO BE USED FROM
STATION 130+10.00 TO STATION 130+24.90

SPECIAL STRUCTURE NO. 8

STATION 130+10.00 TO STATION 130+35.00 ~ LOMITA TRUNK
SCALE 1½"=1'

NOTES:

Elevations are in feet above U.S.G.S or mean Sea Level Datum.

Stations of inlets and junctions refer to the intersections of the center lines of the inlets with the center line of the main drain.

Elevations of all inlets except catch basin inlets into box sections refer to the flow lines of the inlets produced on their gradients to the vertical plane thru the center line of the main drain. Elevations of catch basin inlets into box sections refer to the intersections of the flow lines of these inlets with the inside wall of the box section.

For details of all standard structures see Standard Plans.

All reinforced concrete structures shall be of Class "A-1" Concrete.

Weep hole ¾" in diameter shall be placed in each side-wall and spaced not more than five feet each way.

CSB-1165-7
A1 OF A8

LOMITA BOULEVARD DRAINAGE SYSTEM

OF THE COUNTY OF LOS ANGELES, CALIFORNIA

DETAILS OF SPECIAL STRUCTURES

SPECIAL STRUCTURES 8 TO 13

DETAILS OF BOX SECTIONS

SECTIONS S TO V

SHEET 7 OF 8 SHEETS

SCALES AS SHOWN — DECEMBER 1935

ALFRED JONES COUNTY SURVEYOR

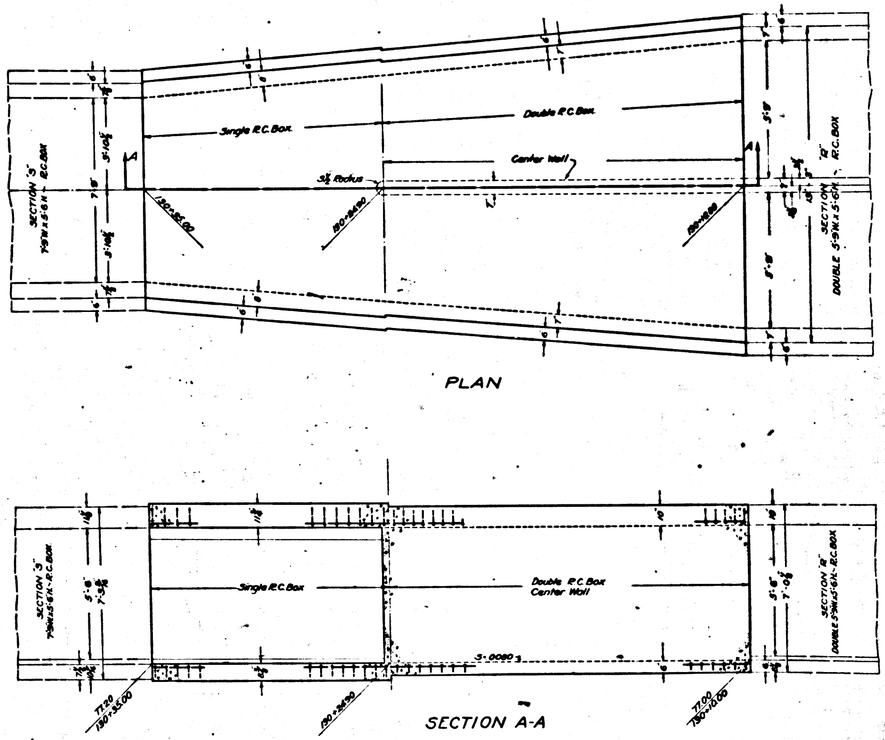
RECOMMENDED E.E. [signature] CHIEF DEPUTY — APPROVED Alfred Jones COUNTY SURVEYOR

REFERENCE			
	DESIGNED	E.E. MITCHELL	AUG. 1935
	TRACED	J.H. RICE	SEPT. 1935
	CHECKED	J.H. HARTLEY	SEPT. 1935

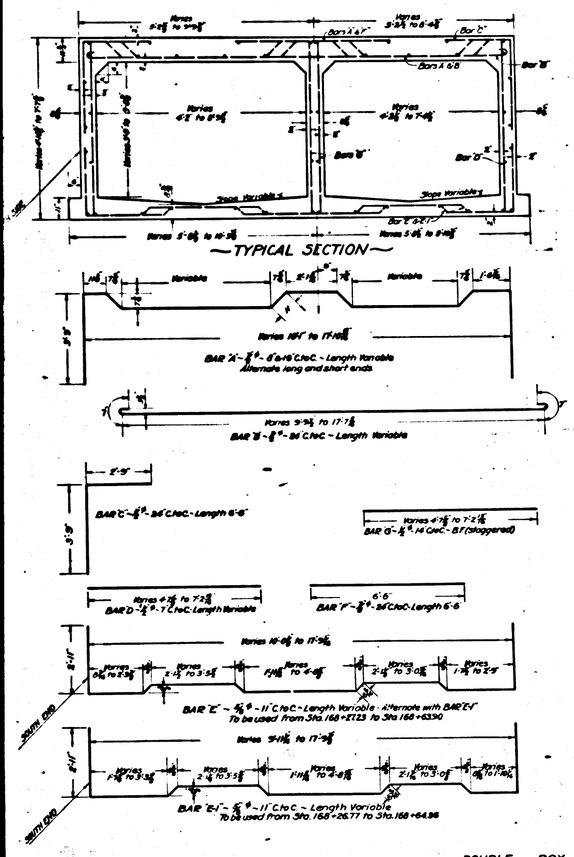
⑦

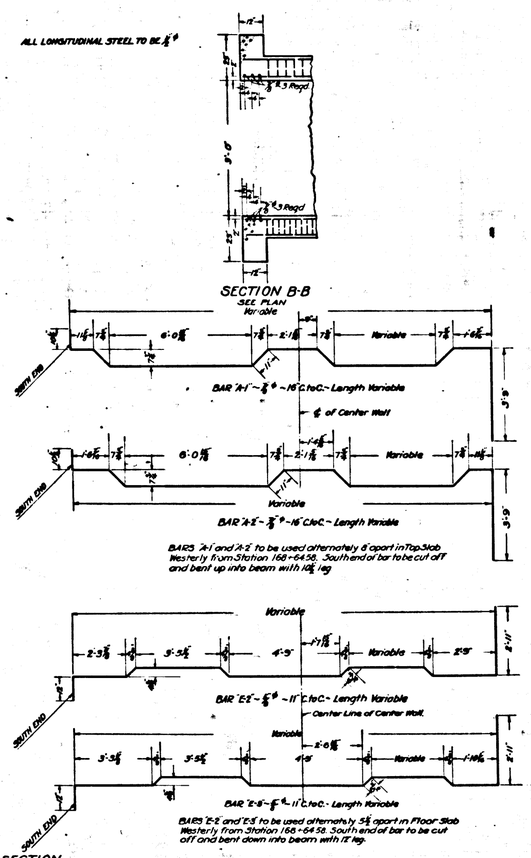
Trim Prints to this line

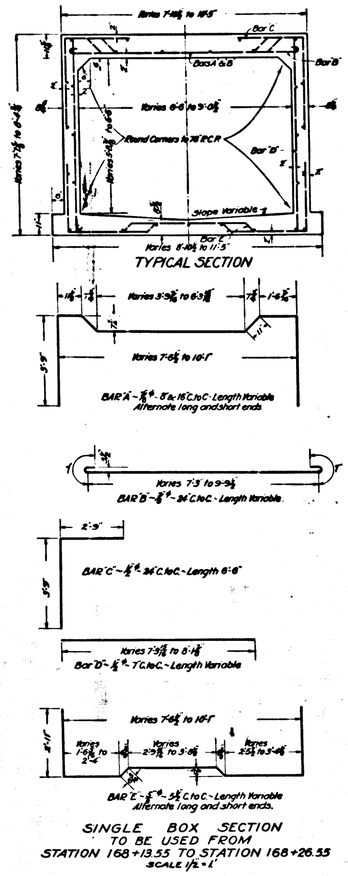
COUNTY SURVEYORS MAP NO. B-1165
SHEET NO. 7 OF 8 SHEETS

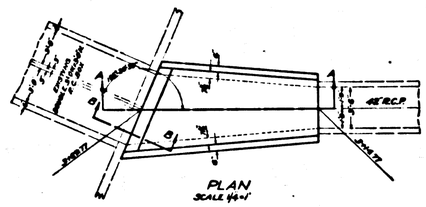


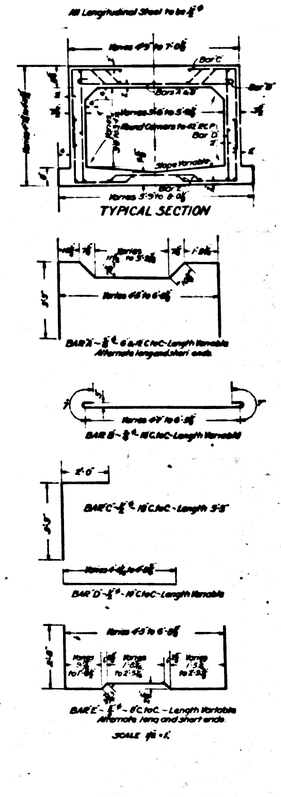
CSB-1165-7
A2 OF A 8











SPECIAL STRUCTURE NO. 11

STATION 168+13.55 TO STATION 168+73.55 ~ LOMITA TRUNK

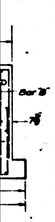
SCALES AS SHOWN

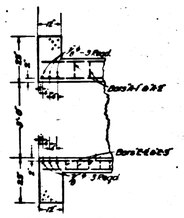
CSB-1165-7
A 3 OF A 8

SPECIAL STRUCTURE NO. 10

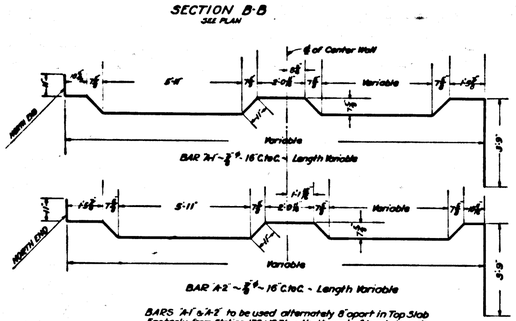
STATION 3+14.77 TO STATION 3+29.77 ~ CULVERT STUB

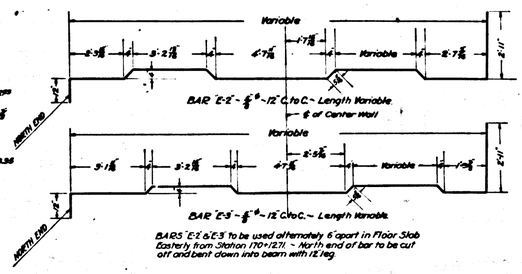
SCALES AS SHOWN

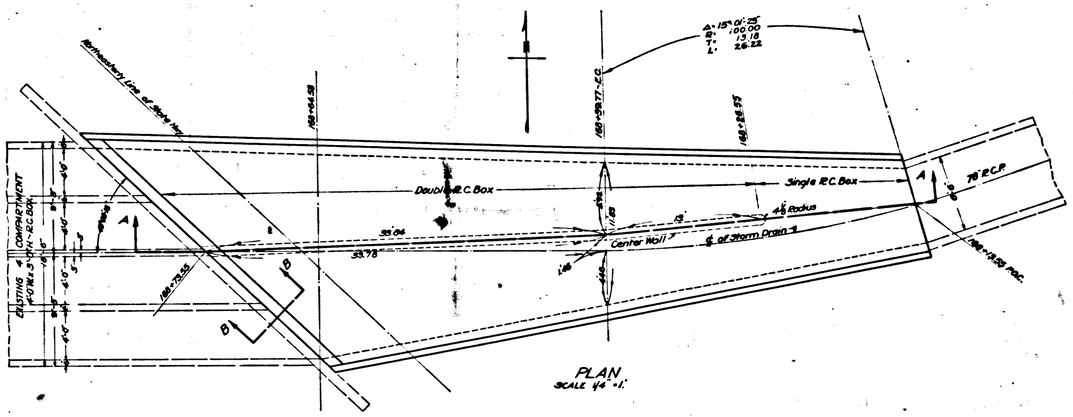




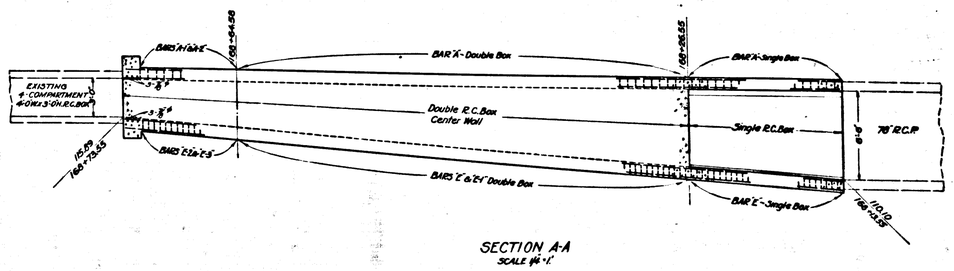
SECTION B-B
SEE PLAN



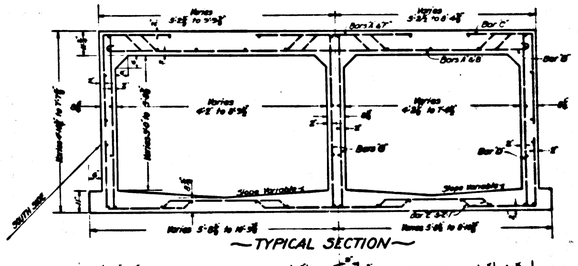


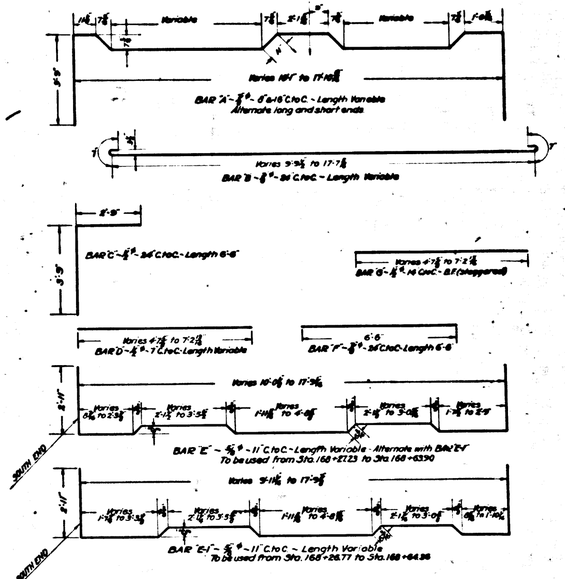


PLAN
SCALE 1/4" = 1'



SECTION A-A
SCALE 1/4" = 1'





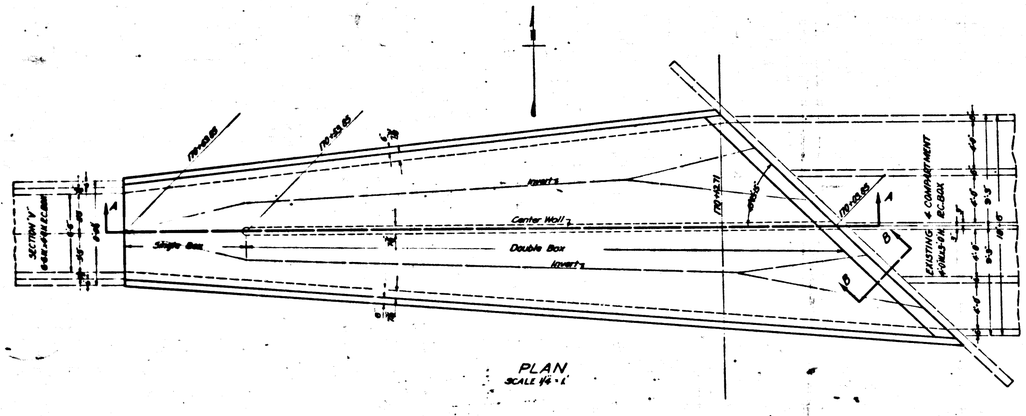
DOUBLE BOX SECT
TO BE USED FROM
STATION 168+26.55 TO STATIO
SCALE 1/2" = 1'

SPECIAL STRUCTURE NO. 11

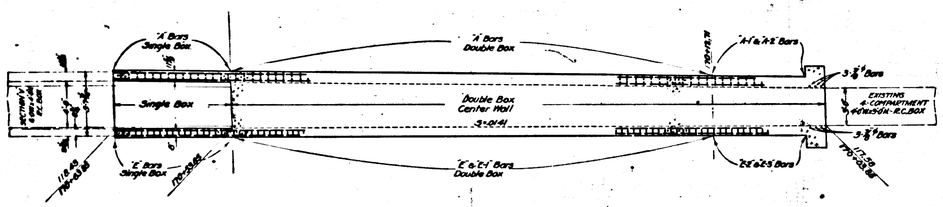
STATION 168+13.55 TO STATION 168+73.55 ~ LOMITA TRUNK

SCALES AS SHOWN

CSB-1165-7
A4 OF A8

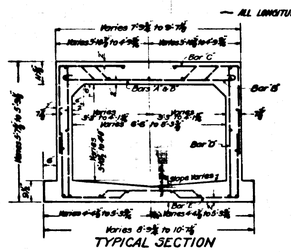


PLAN
SCALE 1/16"=1'

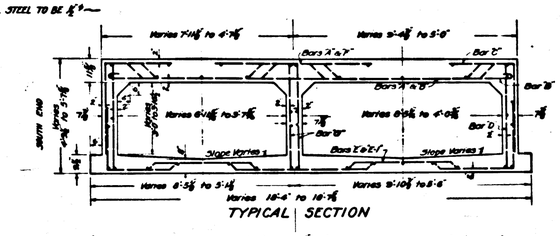


SECTION A-A
SCALE 1/16"=1'

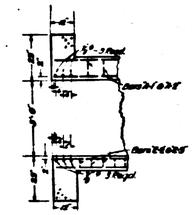
— ALL LONGITUDINAL STEEL TO BE #9 —



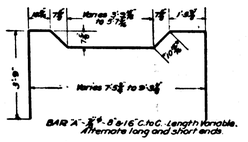
TYPICAL SECTION



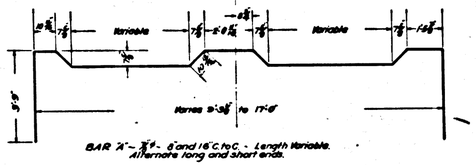
TYPICAL SECTION



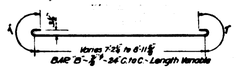
SECTION B-B
SEE PLAN



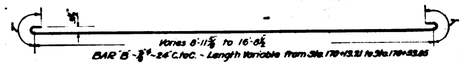
BAR 'A' - #9 - 8' and 16' C. to C. - Length Variable. Alternate long and short ends.



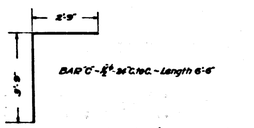
BAR 'A' - #9 - 8' and 16' C. to C. - Length Variable. Alternate long and short ends.



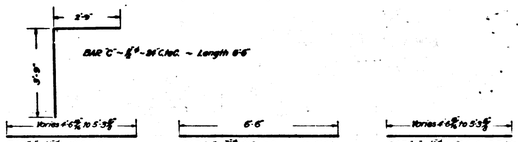
BAR 'B' - #9 - 24" C. to C. - Length Variable



BAR 'B' - #9 - 24" C. to C. - Length Variable from Sta. 170+13.31 to Sta. 170+53.85



BAR 'C' - #9 - 24" C. to C. - Length 6'-6"

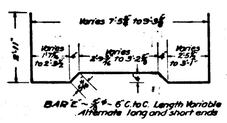


BAR 'C' - #9 - 24" C. to C. - Length 6'-6"

BAR 'D' - #9 - 10" C. to C. - Length Variable.

BAR 'D' - #9 - 20" C. to C. - Length Variable

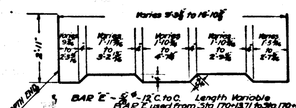
BAR 'D' - #9 - 20" C. to C. - B.F. Staggered) Length Variable



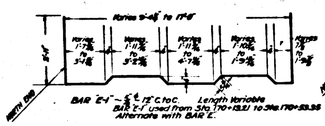
BAR 'E' - #6 - 6' C. to C. Length Variable Alternate long and short ends

See Bar Section 'F' for steel arrangement in Top & Floor Slabs

SINGLE BOX SECTION
TO BE USED FROM
STATION 170+53.58 TO STATION 170+63.58
SCALE 1/2"=1'

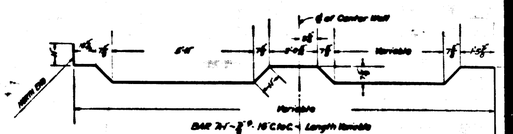


BAR 'E' - #6 - 12" C. to C. Length Variable Bars 'E' used from Sta. 170+13.71 to Sta. 170+63.85 Alternate with BAR 'E-1'

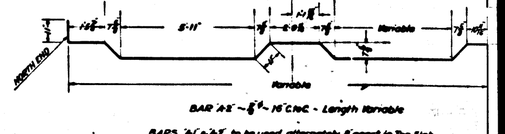


BAR 'E-1' - #6 - 12" C. to C. Length Variable Bars 'E-1' used from Sta. 170+13.31 to Sta. 170+53.58 Alternate with BAR 'E'

DOUBLE BOX SECTION
TO BE USED FROM
STATION 170+03.85 TO STATION 170+53.85
SCALE 1/2"=1'

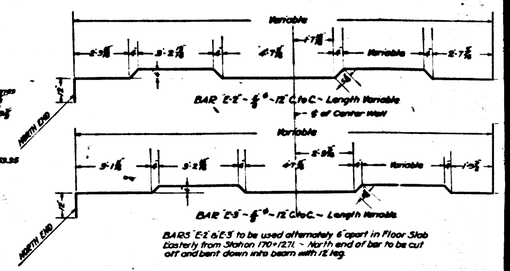


BAR 'A-1' - #9 - 16" C. to C. - Length Variable



BAR 'A-2' - #9 - 16" C. to C. - Length Variable

BARS 'A-1' & 'A-2' to be used alternately 8' apart in Top Slab Easterly from Station 170+12.71 ~ North end of bar to be cut off and bent up into beam with 11 Hog.



BAR 'E-2' - #6 - 12" C. to C. - Length Variable

BARS 'E-2' & 'E-3' to be used alternately 6' apart in Floor Slab Easterly from Station 170+12.71 ~ North end of bar to be cut off and bent down into beam with 12 Hog.

SPECIAL STRUCTURE NO. 12

STATION 170+03.85 TO STATION 170+63.85 ~ LOMITA TRUNK

SCALES AS SHOWN

CSB-1165-7
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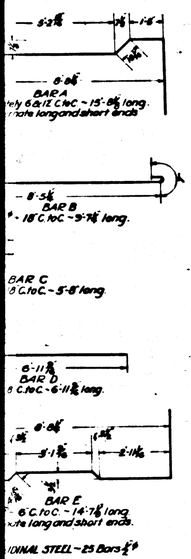

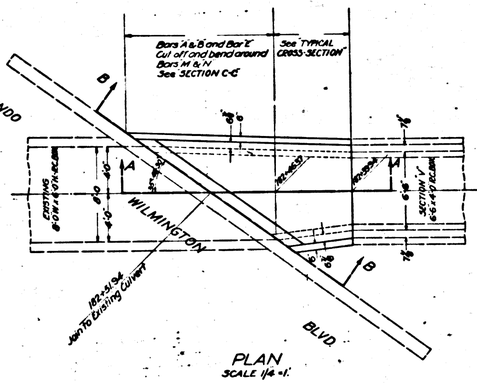

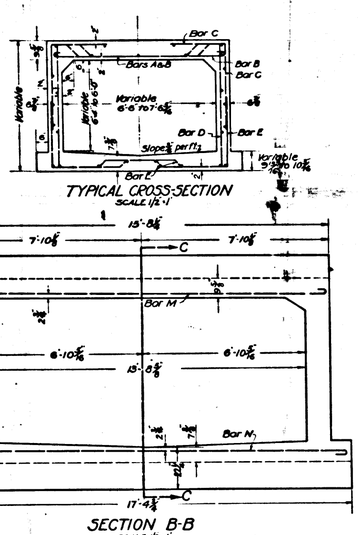

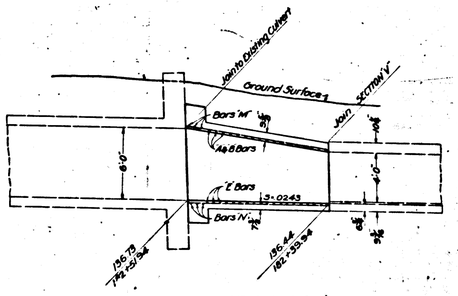

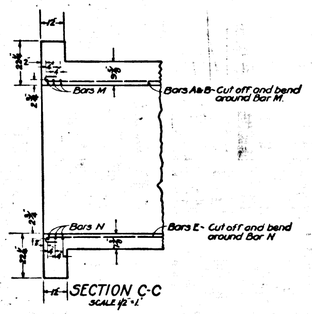

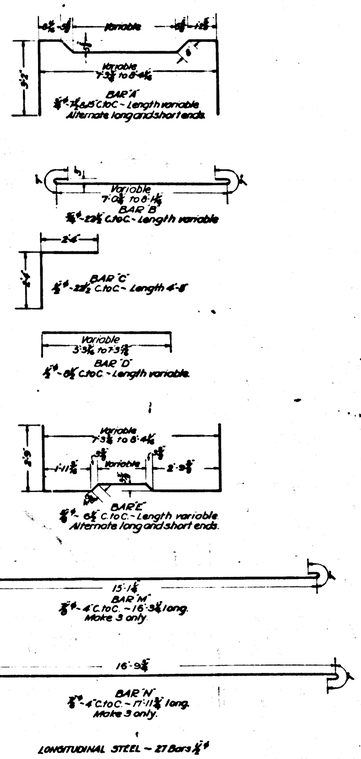

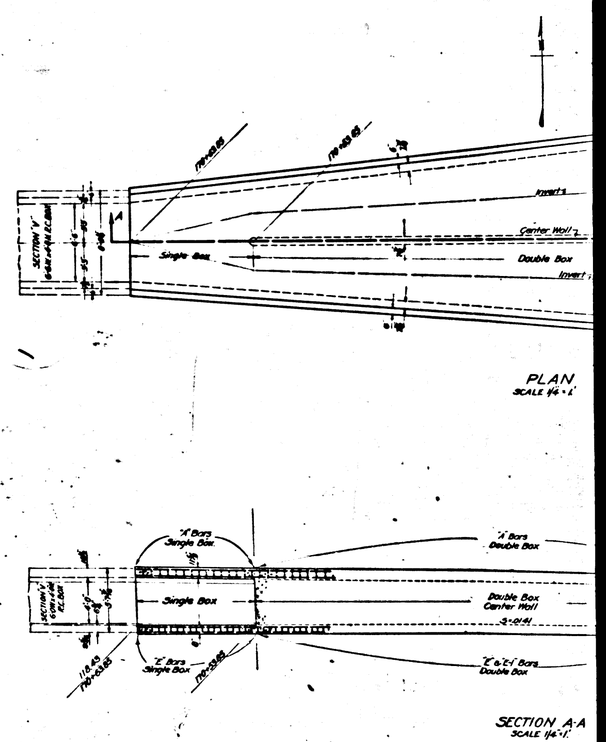

7'-9" x 5'-6"

LOMITA TRUNK

SPECIAL STRUCTURE Nº 13

STATION 182+39.94 TO STATION 182+51.94 ~ LOMITA TRUNK

SCALES AS SHOWN

CSB-1165-7

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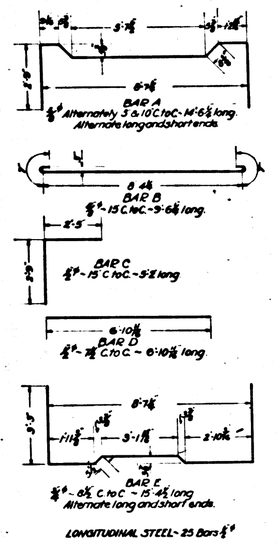
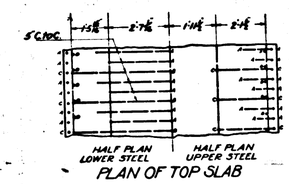
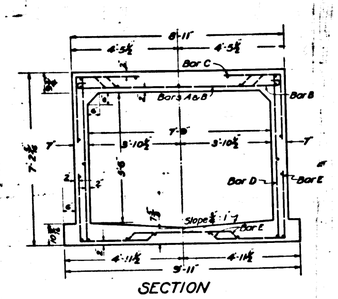


...nt
...0.8201 Cu. Yds. per foot
...07 ~ Total Load 1266 Lbs. per sq. ft.
...03.3089 Lbs. per foot (on tangent)
...rcing Steel refer to center lines.

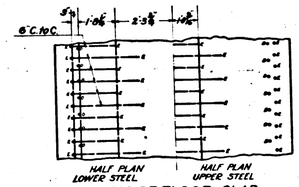
...NCRETE BOX 7'-9" x 5'-6"
...CTION "U"
...ATION 152+00.00 OF LOMITA TRUNK
SCALE 1/2" = 1'



PLAN OF TOP SLAB

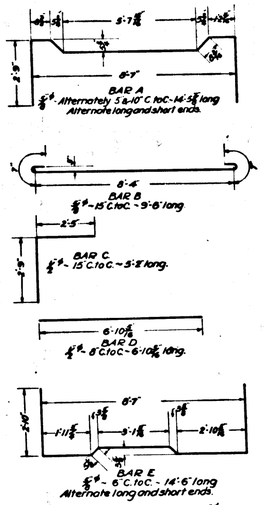


SECTION



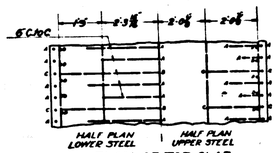
PLAN OF FLOOR SLAB

All Longitudinal Steel ~ ½"

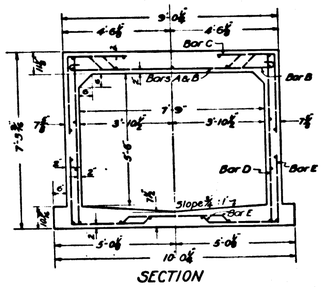


Total Length 710 feet
Class 'A-1' Concrete: 0.8034 Cu. Yds. per foot
Reinforcing Steel: 100.0665 Lbs. per foot (on tangent)
Top Slab: Cover 3" to 5" ~ Total Load 1232 Lbs. per sq. ft.
Dimensions to Reinforcing Steel refer to center lines.

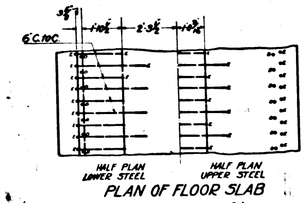
REINFORCED CONCRETE BOX 7'-9" x 5'-6"
SECTION "T"
FROM STATION 139+50 / 152+00 TO STATION 144+50 / 154+10 OF LOMITA TRUNK
SCALE 1/2" = 1'



PLAN OF TOP SLAB

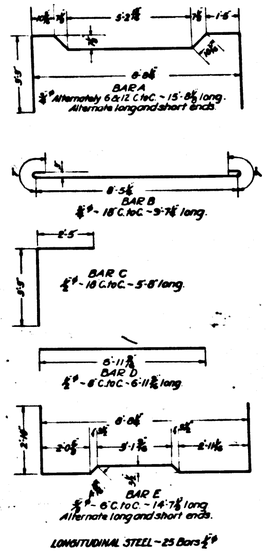


SECTION



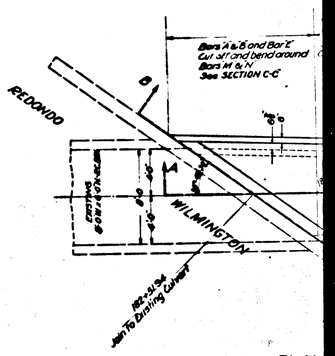
PLAN OF FLOOR SLAB

All Longitudinal Steel ~ ½"

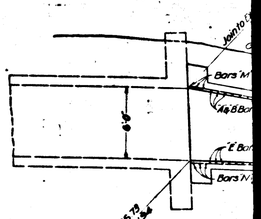


Total Length 915 feet
Class 'A-1' Concrete: 0.8656 Cu. Yds. per foot
Reinforcing Steel: 108.7867 Lbs. per foot (on tangent)
Top Slab: Cover 1" to 3" ~ Total Load 1674 Lbs. per sq. ft.
Dimensions to Reinforcing Steel refer to center lines.

REINFORCED CONCRETE BOX 7'-9" x 5'-6"
SECTION "S"
FROM STATION 130+35. TO STATION 139+50 OF LOMITA TRUNK
SCALE 1/2" = 1'



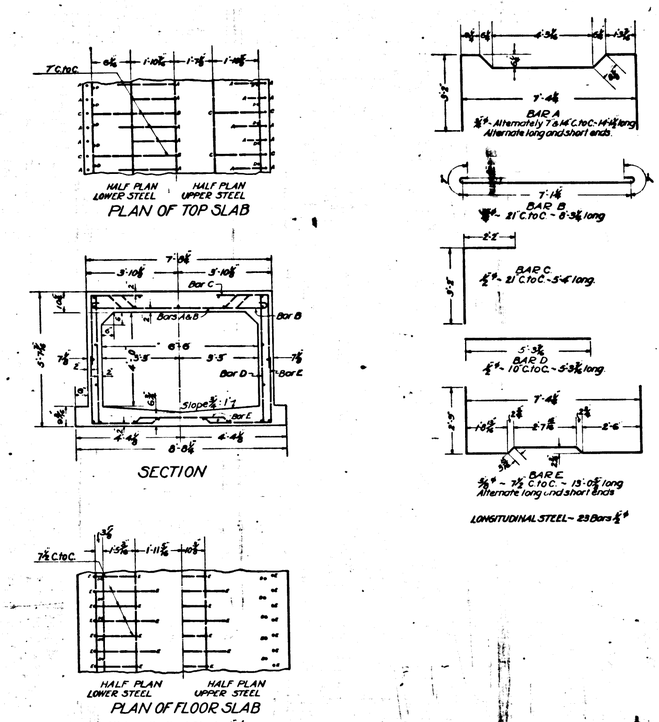
PLAN
SCALE 1/4



SECTI
SCAL

CSB-1165-7
A 7 OF A 8

Trim Prints to this line

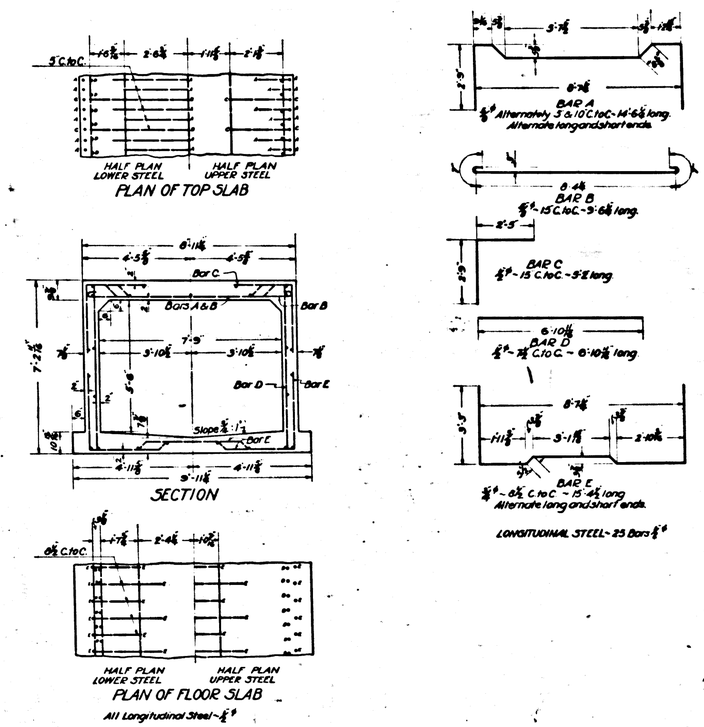


Total Length: 1176.09 feet.
Class A-1 Concrete: ~ 0.6503 Cu Yds per foot
Reinforcing Steel: ~ 82.2697 Lbs per foot (on tangent)
Top Slab: Cover: 1' to 3' ~ Total Load: 1979 Lbs per sq ft.
Dimensions to Reinforcing Steel refer to center lines.

REINFORCED CONCRETE BOX 6'-6" x 4'-0"
SECTION "V"

FROM STATION 170+63.85 TO STATION 182+39.94 OF LOMITA TRUNK

SCALE 1/2" = 1'



Total Length 750 feet
Class A-1 Concrete: 0.8201 Cu Yds per foot
Top Slab: Cover 5' to 7' ~ Total Load 1266 Lbs per sq ft.
Reinforcing Steel: 103.3089 Lbs per foot (on tangent)
Dimensions to Reinforcing Steel refer to center lines.

REINFORCED CONCRETE BOX 7'-9" x 5'-6"
SECTION "U"

FROM STATION 144+50.00 TO STATION 152+00.00 OF LOMITA TRUNK

SCALE 1/2" = 1'

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A8 OF A8

Trim Prints to this line