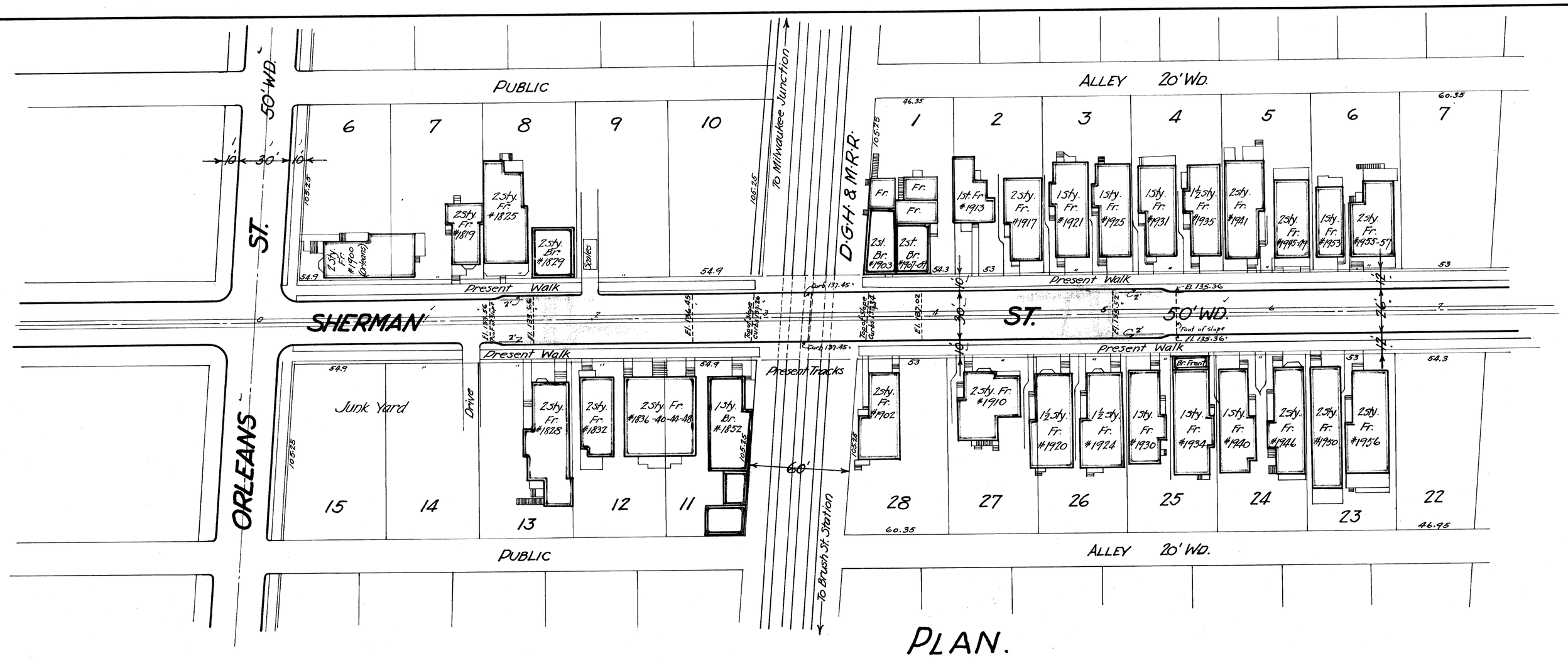
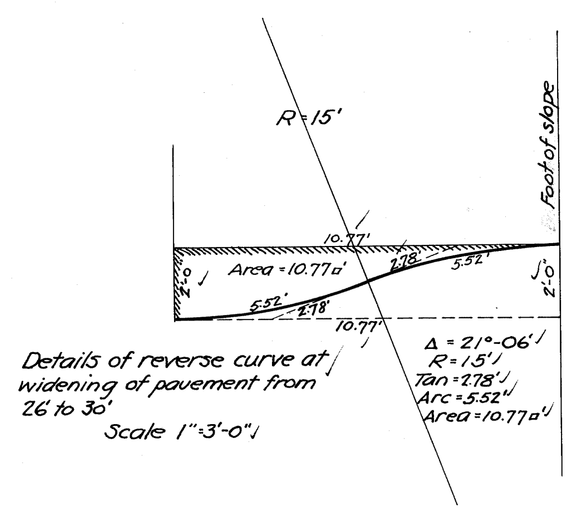
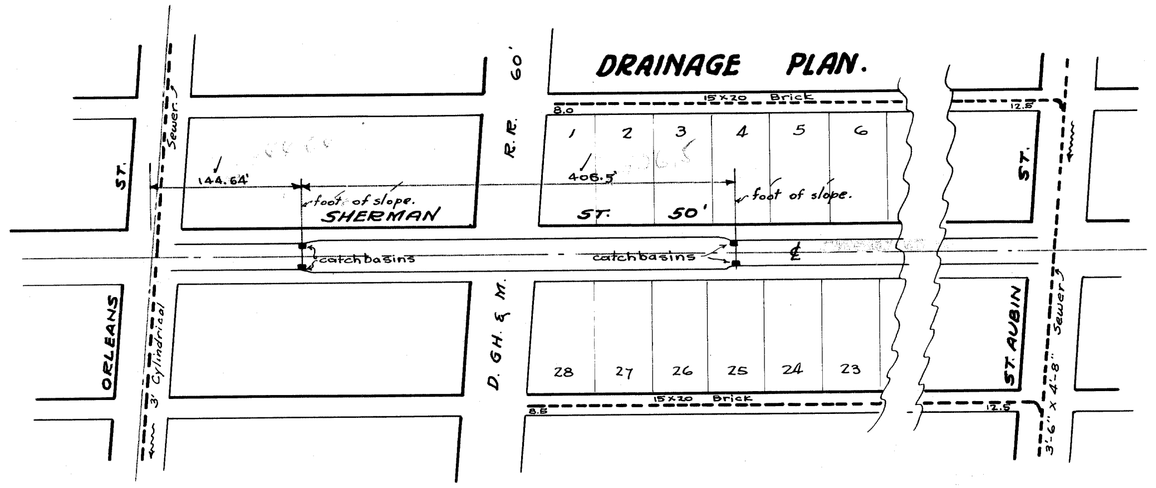
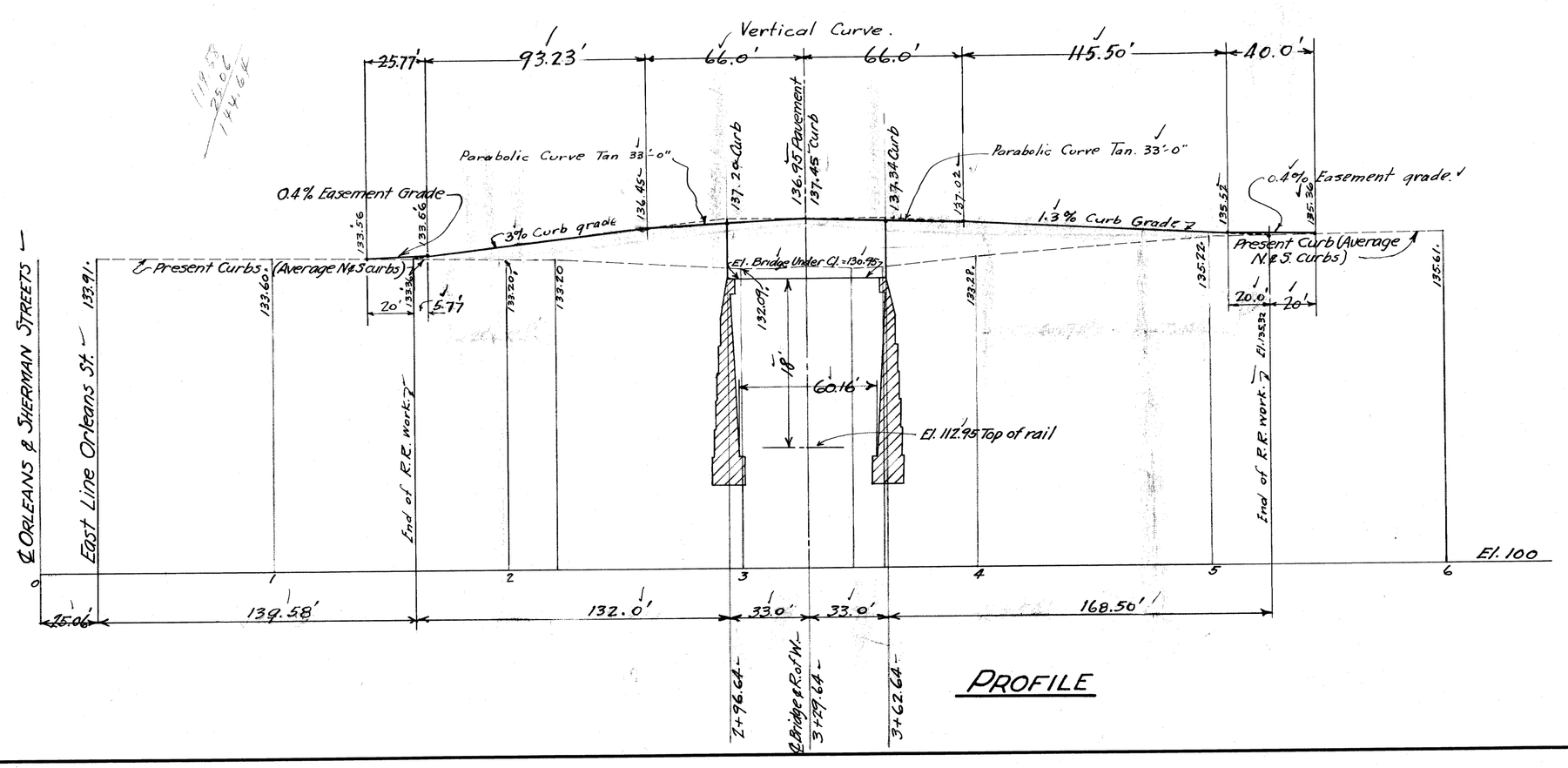


PLAN.

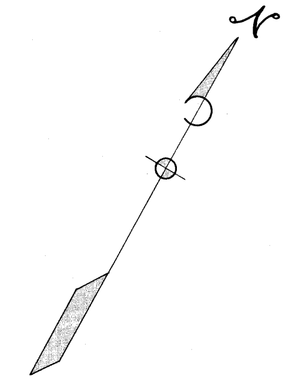


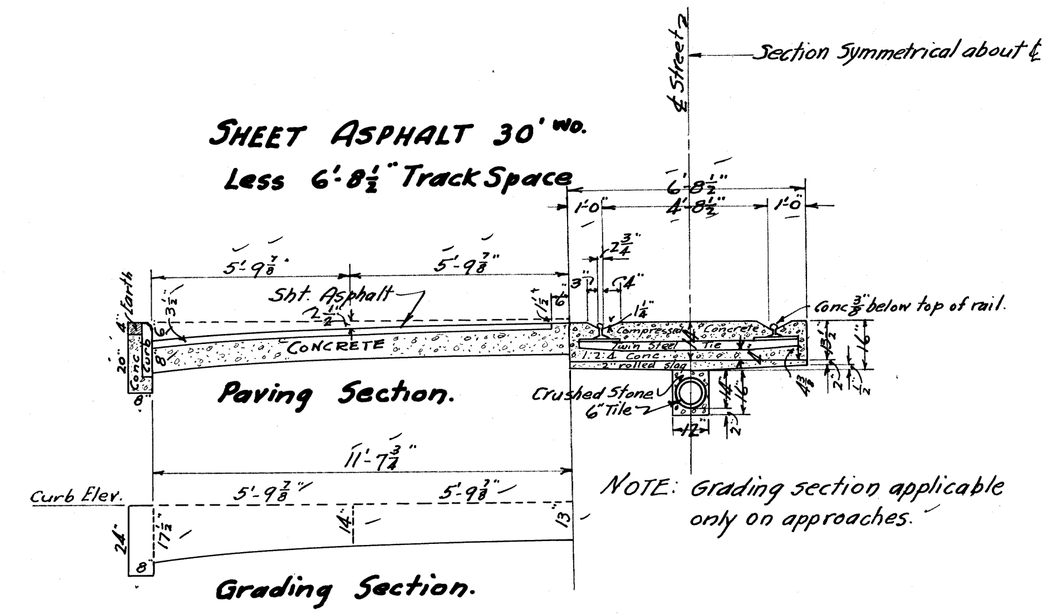
Details of reverse curve at widening of pavement from 26' to 30'
Scale 1"=3'-0"



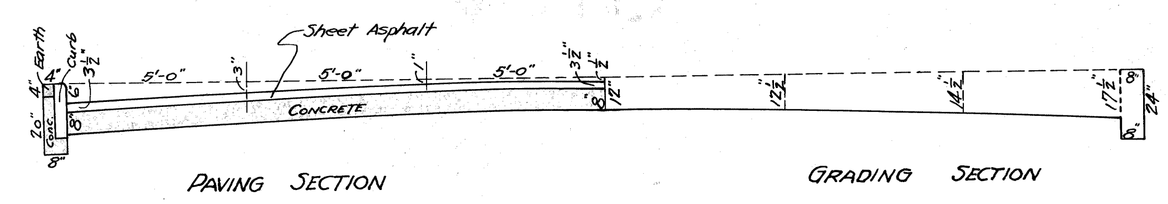


PROFILE





SHEET ASPHALT 30' WD.
With 8" Foundation



PAVING SECTION GRADING SECTION

APPROVED Aug. 23. 1927 1926
Perry A. Freeman.
CITY ENGINEER
CHIEF ENGINEER G.T.RY. SYSTEM WESTERN LINES

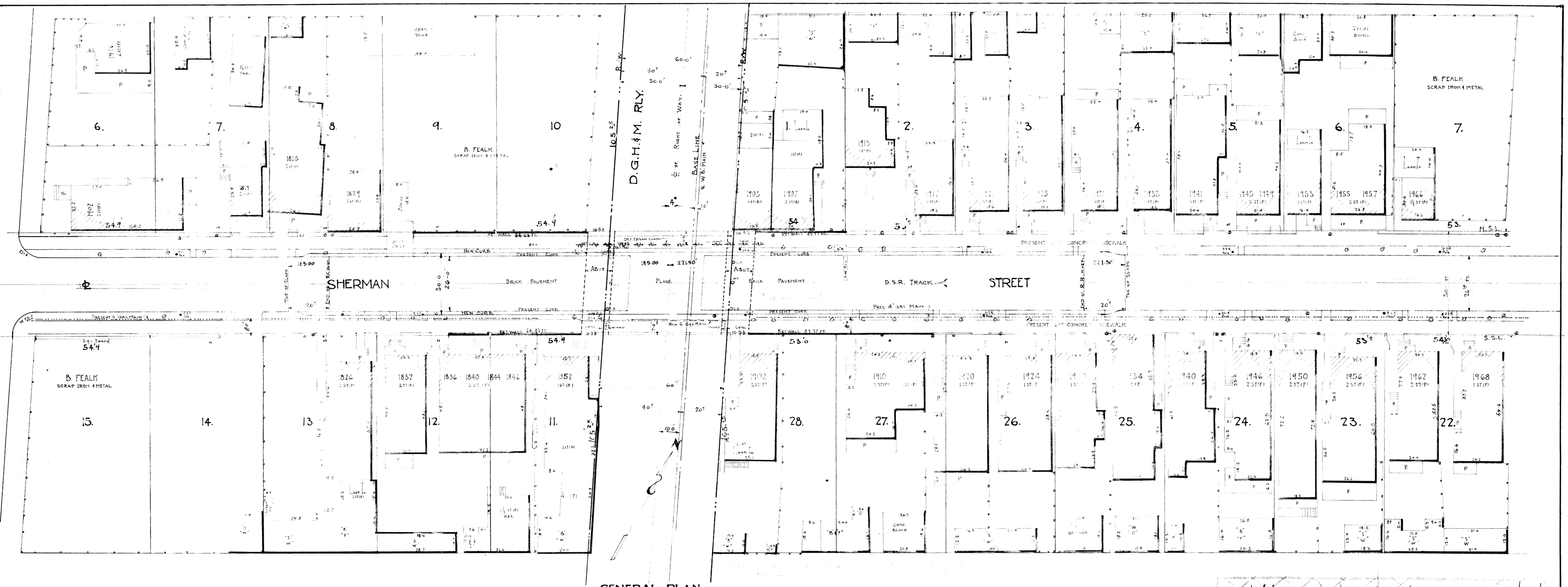
CITY OF DETROIT

DEPARTMENT OF PUBLIC WORKS
CITY ENGINEER'S OFFICE
DEPARTMENT OF GRADE SEPARATION & BRIDGES
DEQUINDRE ST. GRADE SEPARATION

SHERMAN ST.

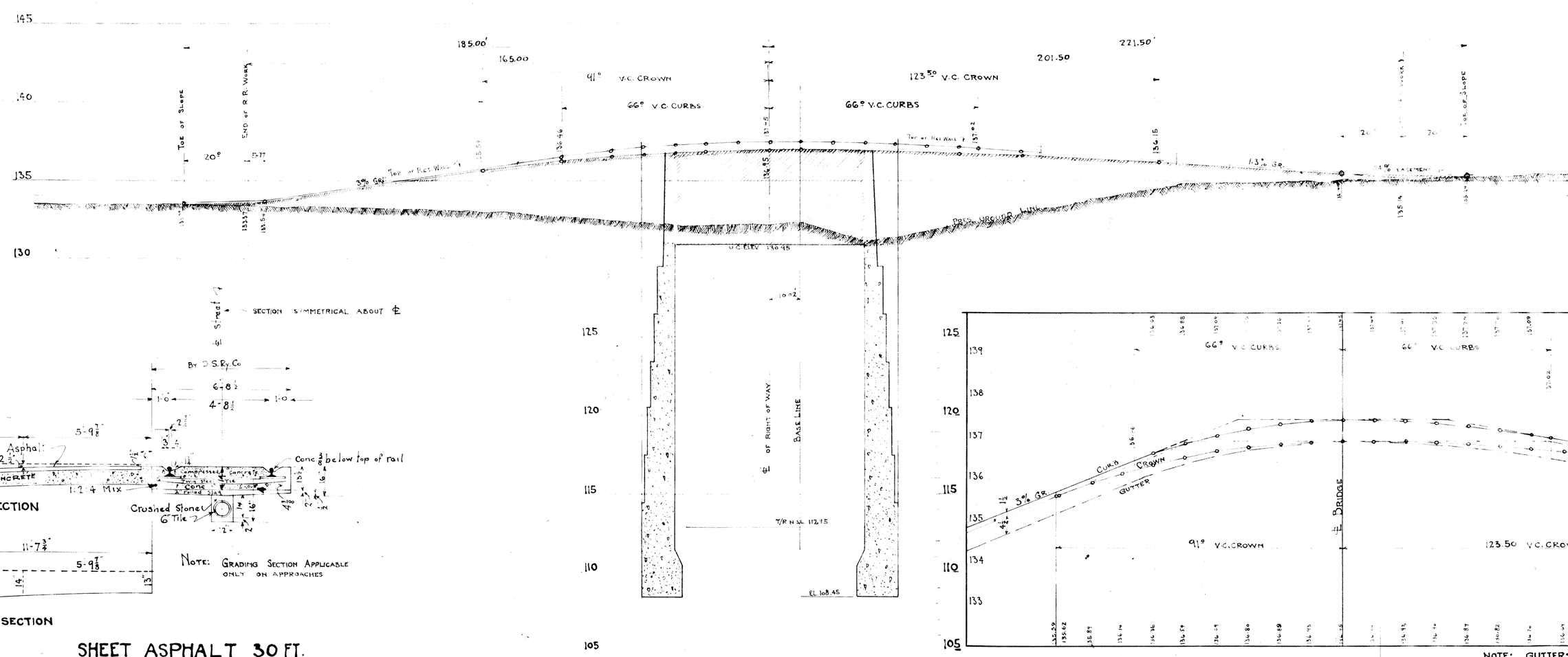
Made by A.W. Scales 1926.
Checked by: W.J. 5/5/26. Plan 1"=40' Vertical 1"=10'
REVISED July 15, 1926.

File XO 78-1



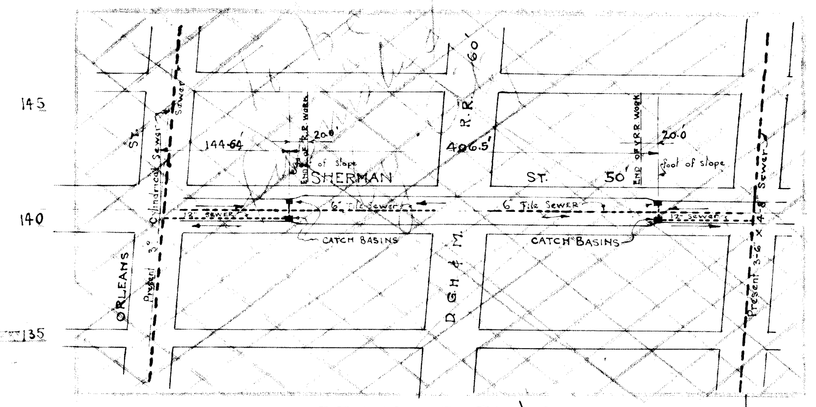
GENERAL PLAN

SCALE 1IN = 20 FT.



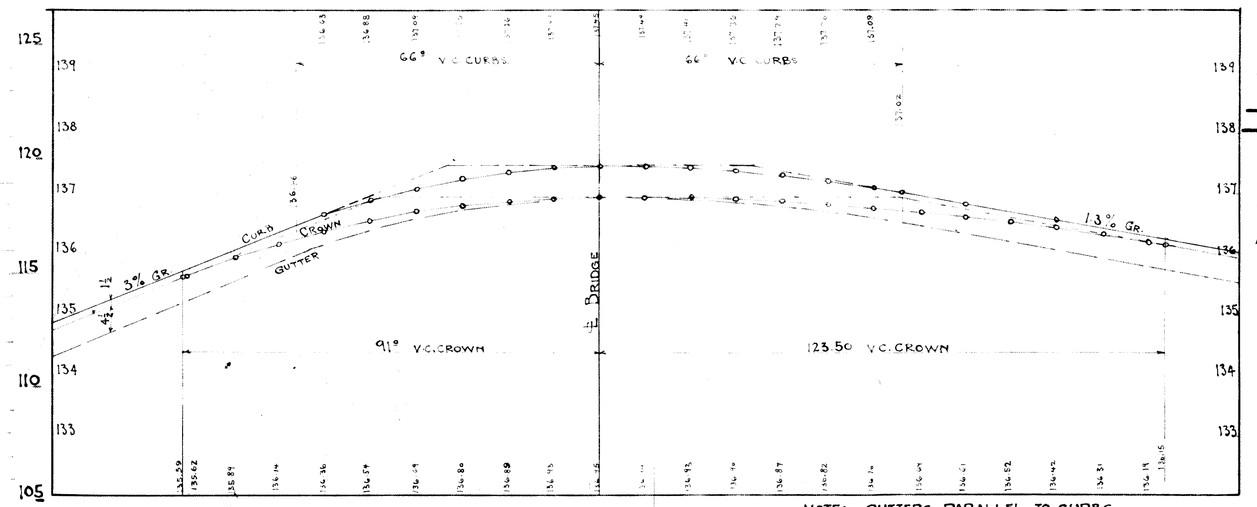
PROFILE

SCALES HOR. 1IN = 20 FT. VERT. 1IN = 4 FT.



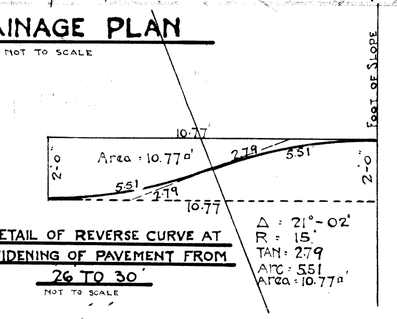
DRAINAGE PLAN

NOT TO SCALE



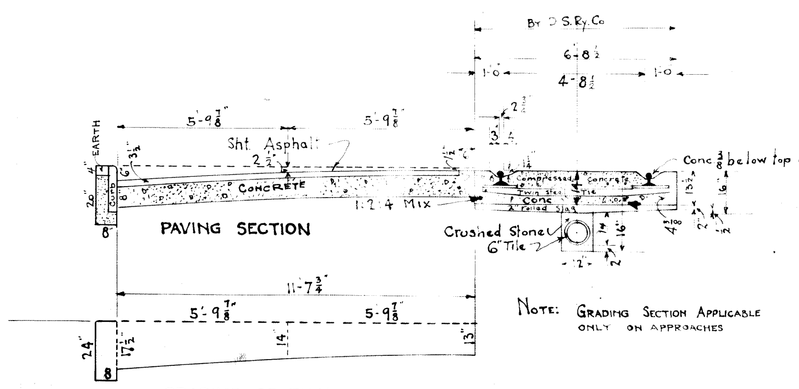
NOTE: GUTTERS PARALLEL TO CURBS

PROFILE OF CURBS, CROWN & GUTTERS.



DETAIL OF REVERSE CURVE AT WIDENING OF PAVEMENT FROM 26 TO 30'

NOT TO SCALE



NOTE: GRADING SECTION APPLICABLE ONLY ON APPROACHES

SHEET ASPHALT 30 FT.

LESS 6-8½ TRACK SPACE

NOT TO SCALE

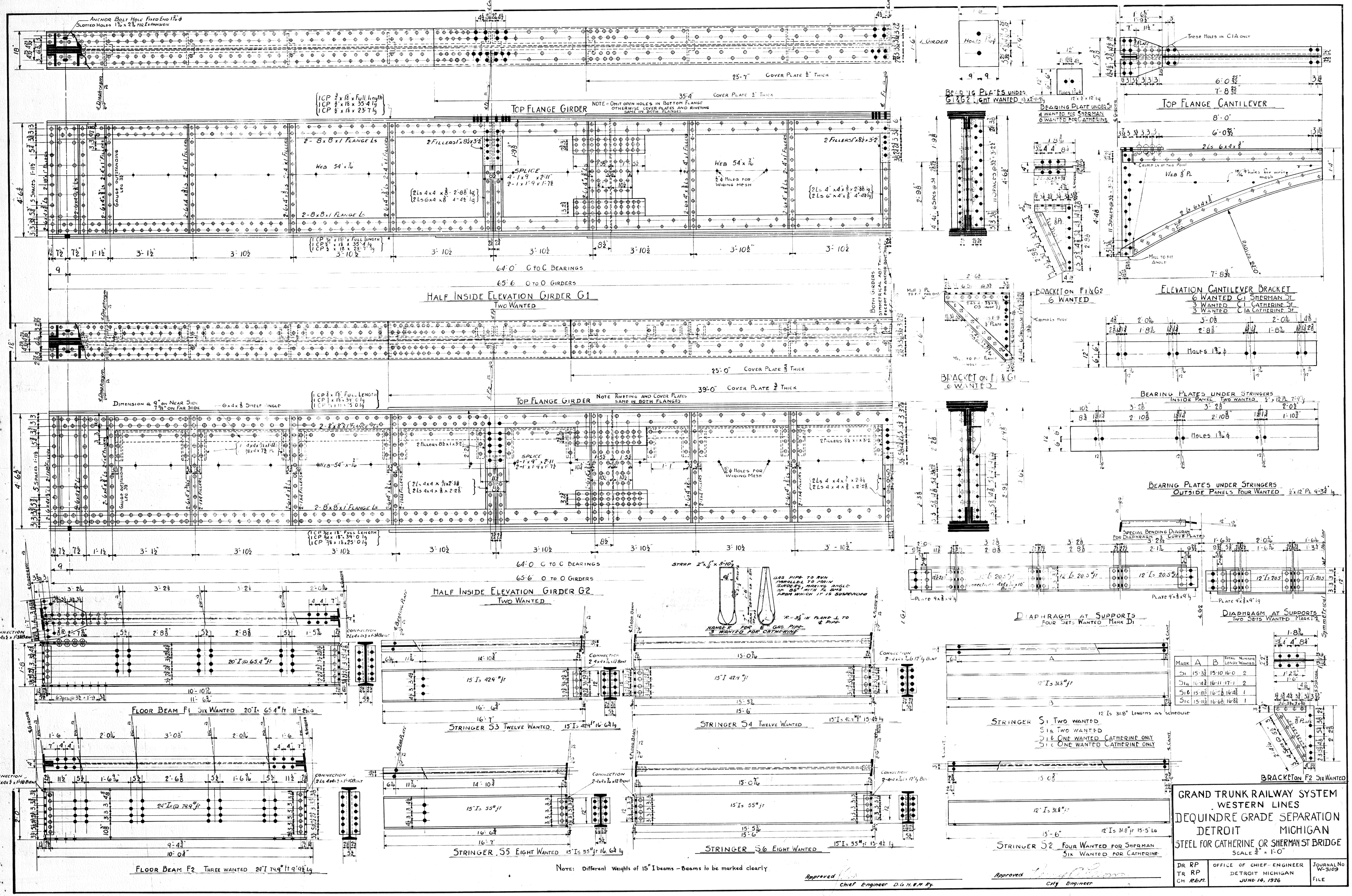
APPROVED: _____ CITY ENGINEER

APPROVED: _____ CHIEF ENGINEER G.T.R.R.

GRAND TRUNK RAILWAY SYSTEM
WESTERN LINES
DEQUINDRE GRADE SEPARATION
SHERMAN ST. GEN. PLAN & PROFILE
DETROIT MICHIGAN

Scales as Shown

DR. T.K.C.	OFFICE OF CHIEF ENGINEER	JOURNAL No.
TR. M.A.B.	DETROIT, MICH.	W-3115
CH. R.E.M.	JUNE 3, 1926	FILE

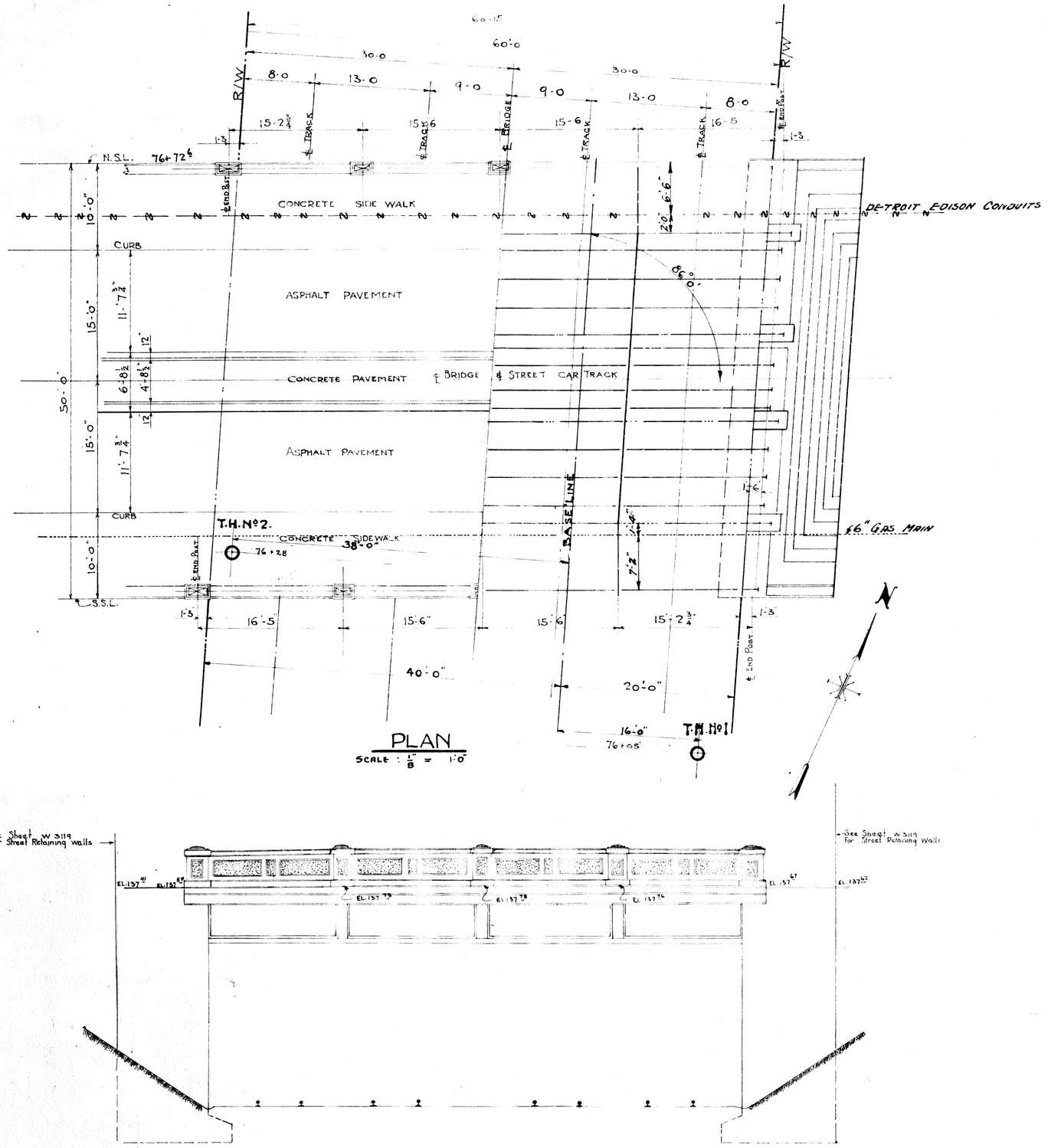


Mark	A	B	Total Number Length Wanted	
S1	15-3 3/32	15-10 16/0	2	
S1a	16-4 3/8	16-11 17/1	2	
S1b	15-8 3/8	16-7 5/8 16 4/8	1	
S1c	15-11 3/8	16-6 8	16-8 1/8	1

GRAND TRUNK RAILWAY SYSTEM
WESTERN LINES
DEQUINDRE GRADE SEPARATION
DETROIT MICHIGAN
STEEL FOR CATHERINE OR SHERMAN ST BRIDGE
Scale 3/4" = 1'-0"

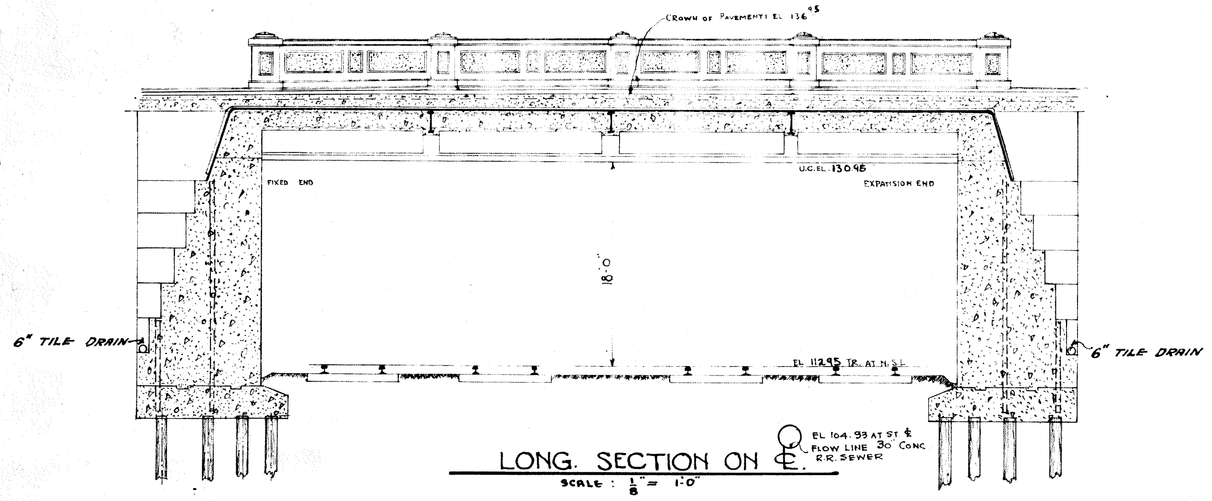
DR RP TR RP CH R.E.M.	OFFICE OF CHIEF ENGINEER DETROIT MICHIGAN JUNE 14, 1926	JOURNAL No W-3109 FILE

NOTE: — NEW 12" WATER MAIN TO BE LOCATED BETWEEN PILES NEAREST TO PRESENT LOCATION. PRESENT LOCATION WILL NOT BE KNOWN UNTIL MAIN IS UNCOVERED.

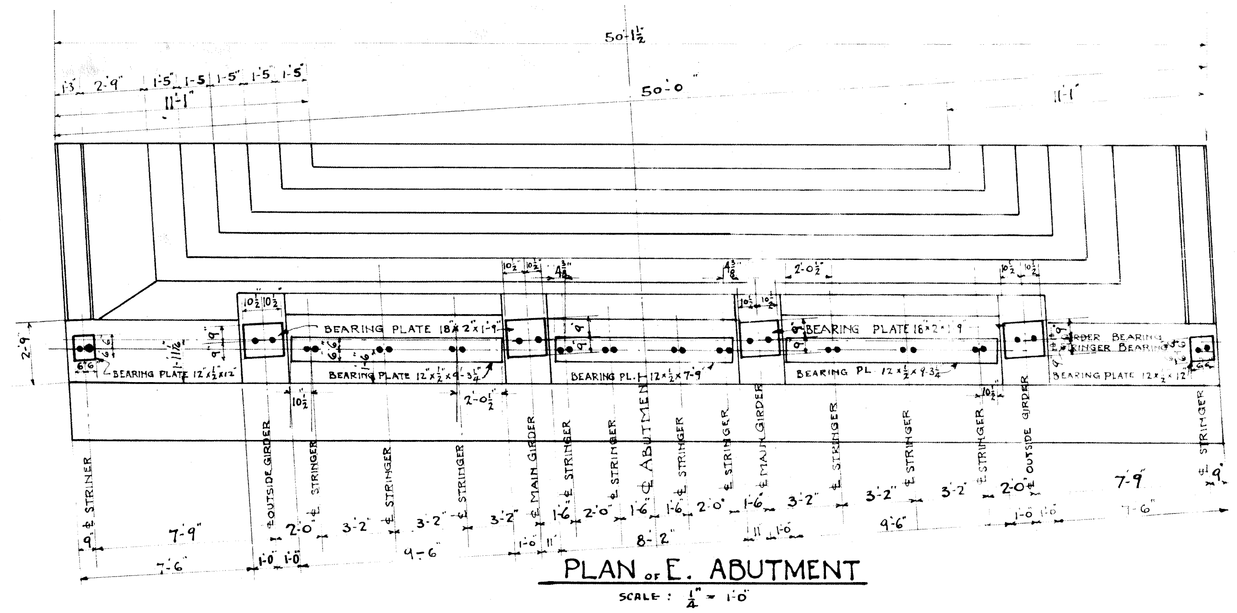


PLAN
SCALE: 1/8" = 1'-0"

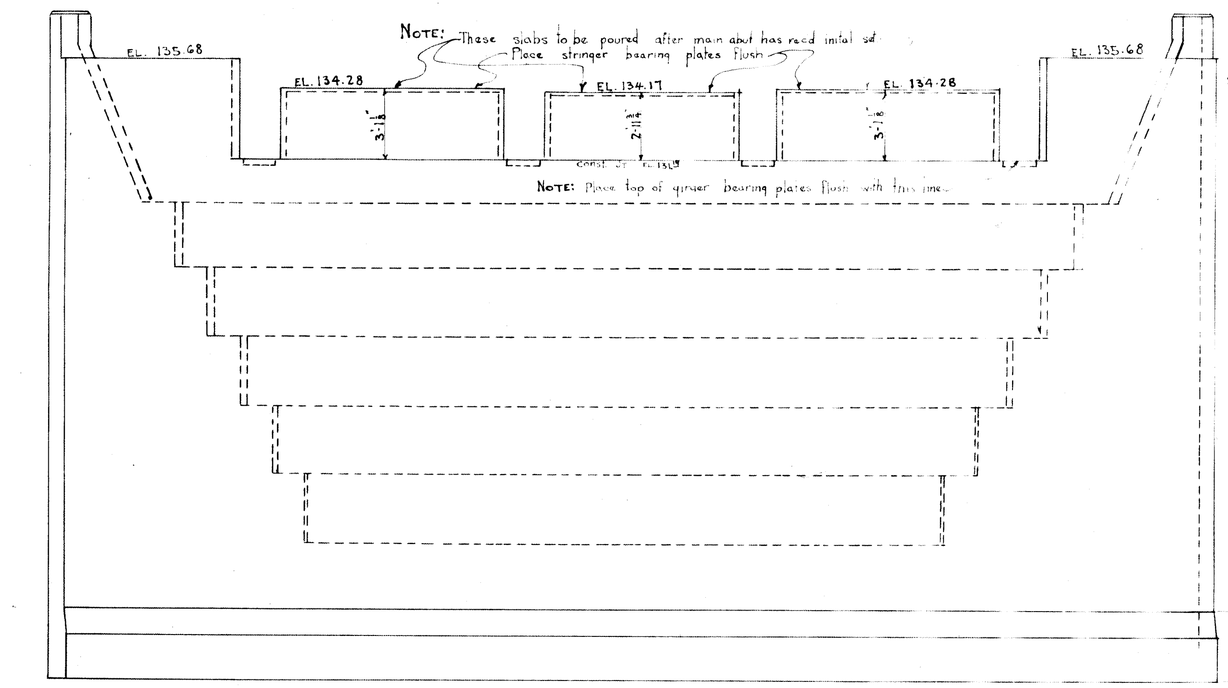
SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



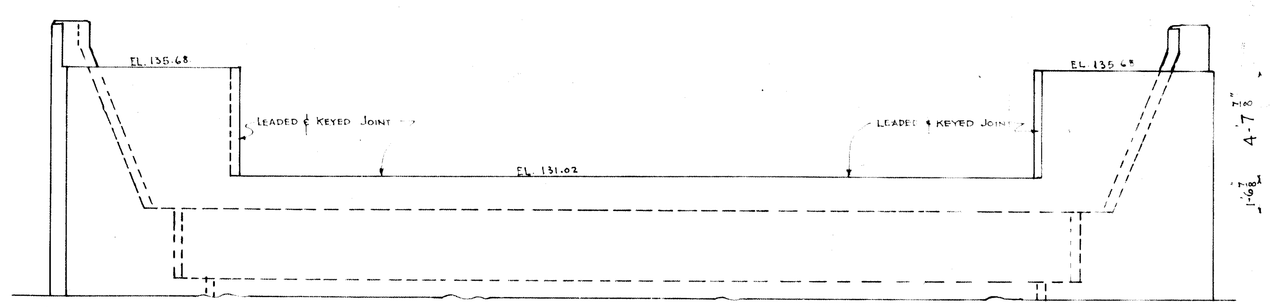
LONG. SECTION ON ℄
SCALE: 1/8" = 1'-0"



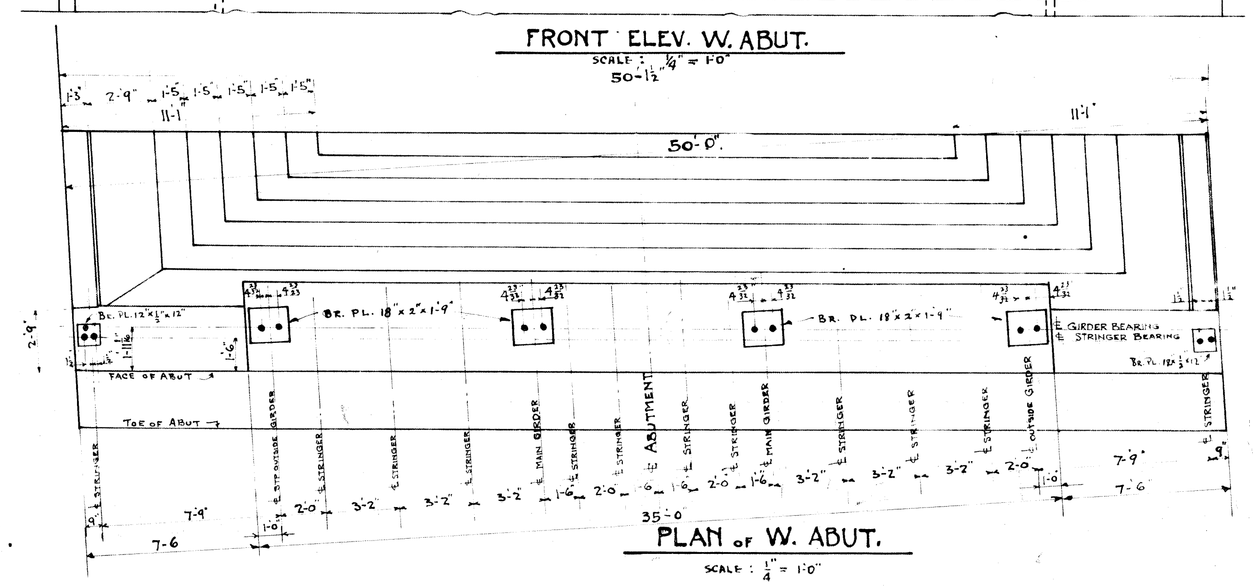
PLAN OF E. ABUTMENT
SCALE: 1/4" = 1'-0"



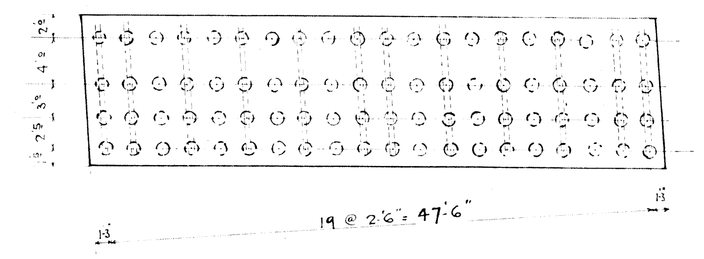
FRONT ELEV. E. ABUT.
SCALE: 1/4" = 1'-0"



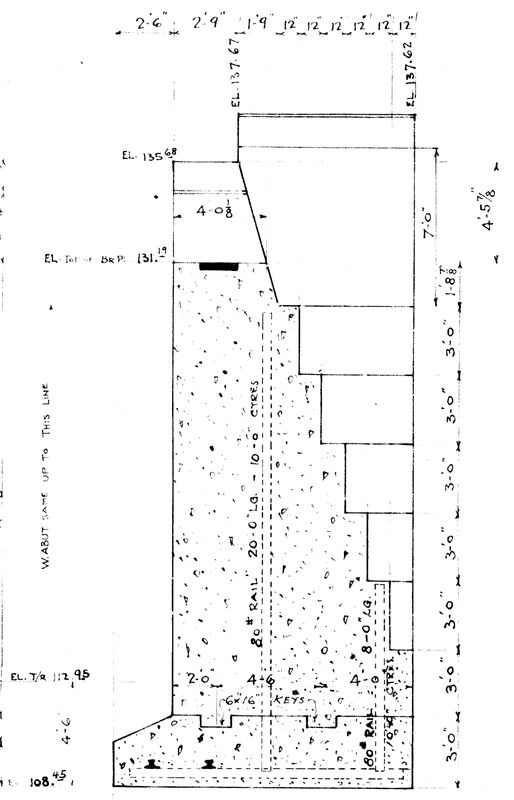
FRONT ELEV. W. ABUT.
SCALE: 1/4" = 1'-0"



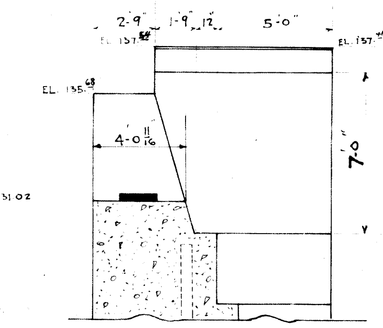
PLAN OF W. ABUT.
SCALE: 1/4" = 1'-0"



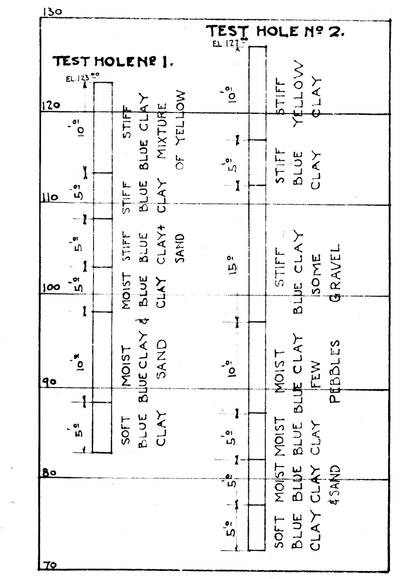
PILING PLAN
BOTH ABUTMENTS.



SEC. E. ABUT
SCALE: 1/4" = 1'-0"



SEC. W. ABUT.
SCALE: 1/4" = 1'-0"



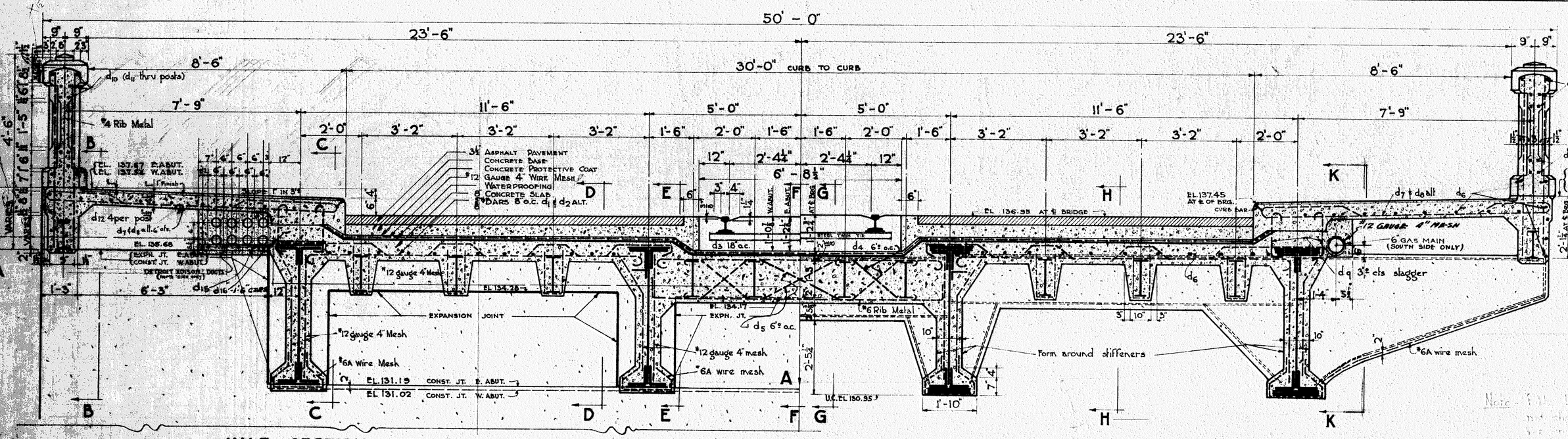
TEST HOLE DATA.

APPROVED: Perry A. Simon
CITY ENGINEER

APPROVED:
CHIEF ENGINEER D.G.H. & M.RY.

GRAND TRUNK RAILWAY SYSTEM
WESTERN LINES
DEQUINDRE GRADE SEPARATION
DETROIT MICHIGAN
SHERMAN ST. MASONRY
SCALES AS SHOWN

DR. E.J.W. TR. H.A.B. CK. R.E.M.	OFFICE OF CHIEF ENGINEER. DETROIT MICHIGAN MAY 12, 1926.	JOURNAL 119 W-3116 FILE



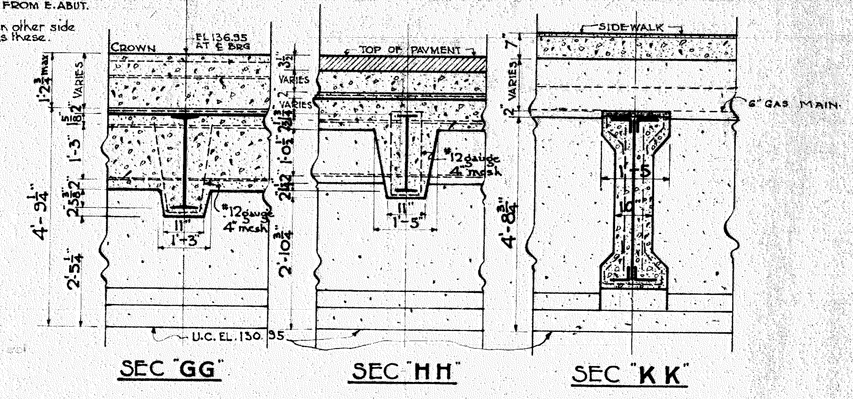
HALF SECTION THRU BRIDGE DECK AT ABUTMENT

NOTE - EXPANSION JOINTS IN EAST ABUT ONLY.
- USE TWO PLY TAR FELT BETWEEN ALL SLIDING SURFACES.

SECTIONS AT RT. ∠s TO STREET

HALF SECTION THRU BRIDGE DECK AT ℄ OF BRIDGE

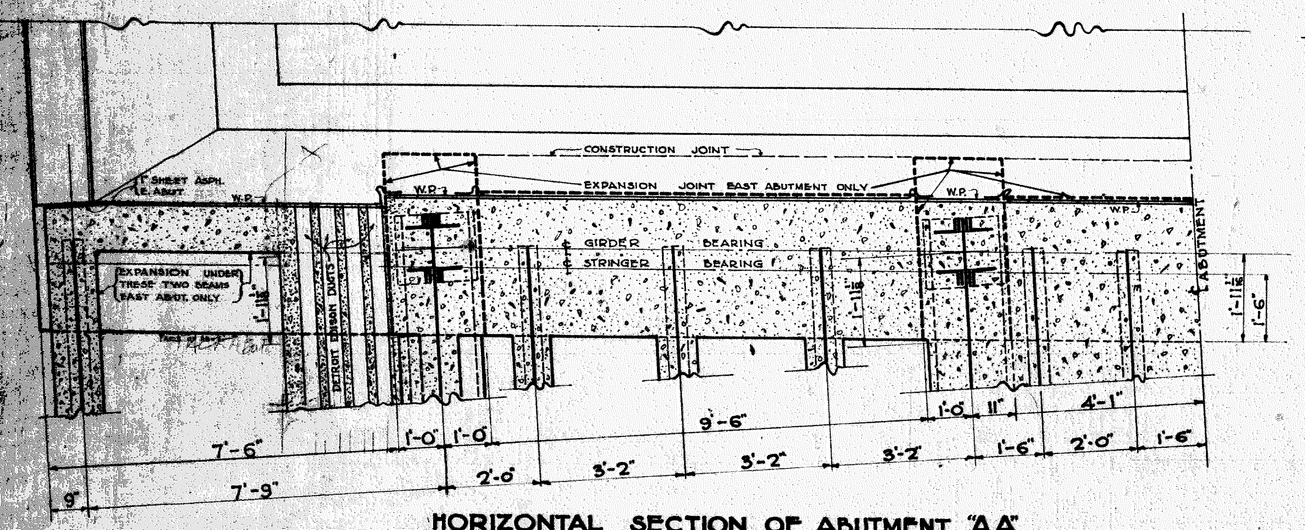
NOTE - SECTIONS AT OTHER FLOOR BEAMS SAME AS ABOVE EXCEPT FOR VARIATION OF PAVEMENT ELEVATIONS AND CONCRETE SLAB.



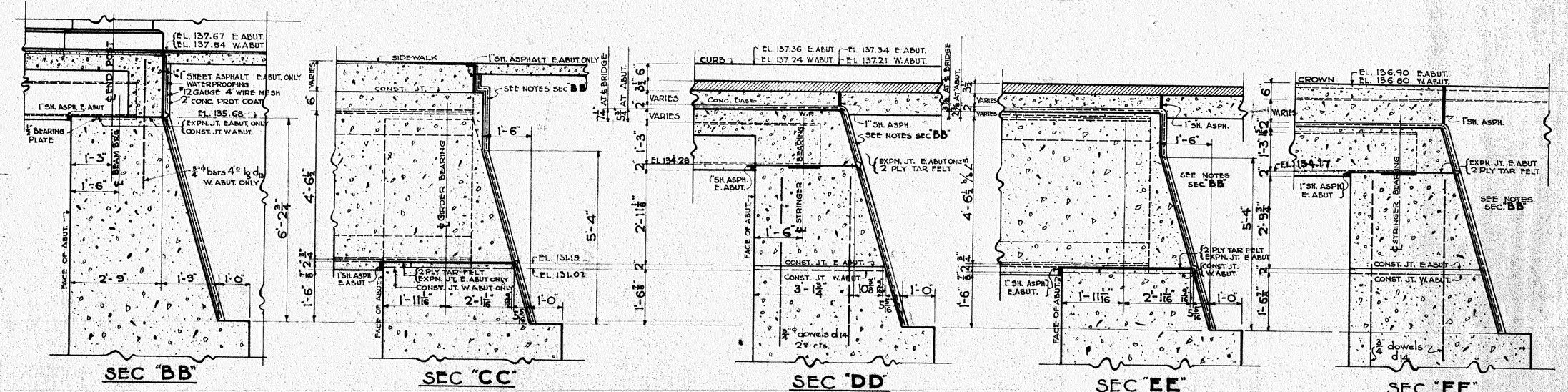
SEC "GG" SEC "HH" SEC "KK"

TYP. SECS. AT INT. PANEL POINTS

REINFORCING BARS NOT SHOWN



HORIZONTAL SECTION OF ABUTMENT "AA"



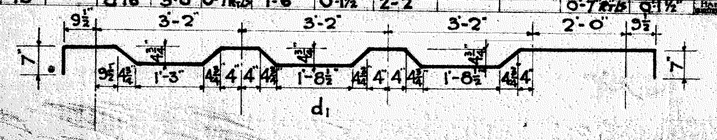
SEC "BB" SEC "CC" SEC "DD" SEC "EE" SEC "FF"

TYPICAL SECTIONS AT ABUTMENTS

SLAB REINFORCING NOT SHOWN

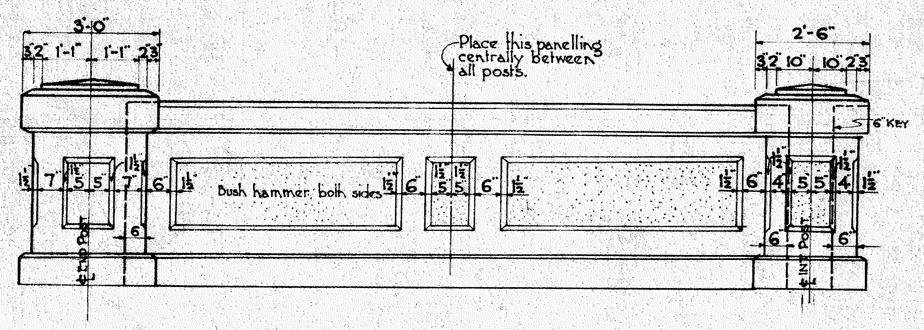
REINFORCING BARS

LOCATION	Nº	SIZE	MARK	LENGTH	HOOK	A	B	C	D	E	HOOK	H	REMARKS
DECK SLAB - UNDER SIDE PAVEMENT	100	⅝" ϕ	d_1	15'-3"									SEE SKETCH BELOW
" " " " "	100	"	d_2	12'-0"	0'-5 2R			10'-8"			0'-8" 2R		
" " " " " St. Car "	40	¾" ϕ	d_3	10'-9"	0'-5 2R			9'-3"			0'-9" 2R		
" " " " "	48	"	d_4	4'-0"	0'-6 R2	0'-6"	1'-6"	0'-6"			0'-6" R2	1'-3"	hammer hooks around I.B. flanges after placing
" " " " "	24	"	d_5	5'-0"	0'-6 R2	0'-6"	2'-6"	0'-6"			0'-6" R2	1'-3"	do.
" " To SIDEWALK	46	"	d_9	2'-6"	0'-5 2R			1'-3"			0'-6" R2		dowels
" " SIDEWALK & RAIL	200	⅝" ϕ	d_6	15'-0"				STRAIGHT					temperature bars
S.W. "	132	½" ϕ	d_7	10'-3"	0'-6 2R	2'-6"	0'-3"	4'-0"	0'-3"	2'-0"	0'-6" 2R	0'-3"	
"	132	"	d_8	10'-0"	0'-6 2R			9'-0"			0'-6" 2R		
RAILING Top & Btm Rails	80	½" □	d_{10}	12'-0"				STRAIGHT					
" Posts to Rails	100	"	d_{11}	7'-0"				"					dowels
" Beam to Posts	40	¾" ϕ	d_{12}	6'-0"				"					"
Abut. to S.W. End Beam	8	"	d_{13}	4'-0"				"					"
" Const. Joint	68	"	d_{14}	6'-0"				"					"
DETROIT EDISON DUCTS	24	½" ϕ	d_{15}	20'-0"				"					
" " "	48	"	d_{16}	5'-0"	0'-7 in 1'-6"	1'-6"	0'-1½"	2'-2"			0'-7 in 1'-6"	0'-1½"	Diagonal Hook Bars Same as Large Hooks

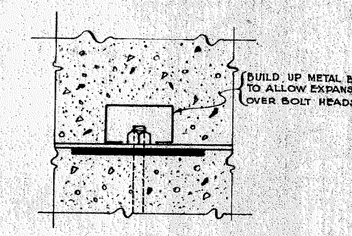


BILL OF WIRE MESH

LOCATION	Nº SHEETS	SIZE	DESCRIPTION
RAILING	4	32"×13'-6"	TRUSCON RIB METAL #4 OR EQUIVALENT
"	2	32"×13'-0"	" " " " " "
"	2	32"×14'-0"	" " " " " "
BTM. FLANGES OF GIRDERS	260 lin. ft.	56" WIDE	A.S. & W. Co's #6A " "
" " " CANTILEVERS	65 " "	44" "	" " " "
SIDES OF GIRDERS	680 " "	48" "	#12 GAUGE 4" WIRE MESH
UNDER STREET CAR STRINGERS	16 sheets	48"×11'-0"	TRUSCON RIB METAL #6 " "
AROUND STRINGERS	500 lin. ft.	42" WIDE	#12 GAUGE 4" WIRE MESH
DECK PROTECTIVE COAT	560 " "	48" "	" " " " " "
AROUND CENTRE PL. BEAMS	45 " "	42" "	" " " " " "
" OUTSIDE " "	70 " "	60" "	" " " " " "
SIDES OF CANTILEVERS	120 " "	48" "	" " " " " "
TOP PL. " "	60 " "	48" "	" " " " " "
AROUND GAS MAIN	65 " "	24" "	" " " " " "



DETAIL OF RAILING AND POSTS



SEC. AT ANCHOR BOLTS

EXPANSION END

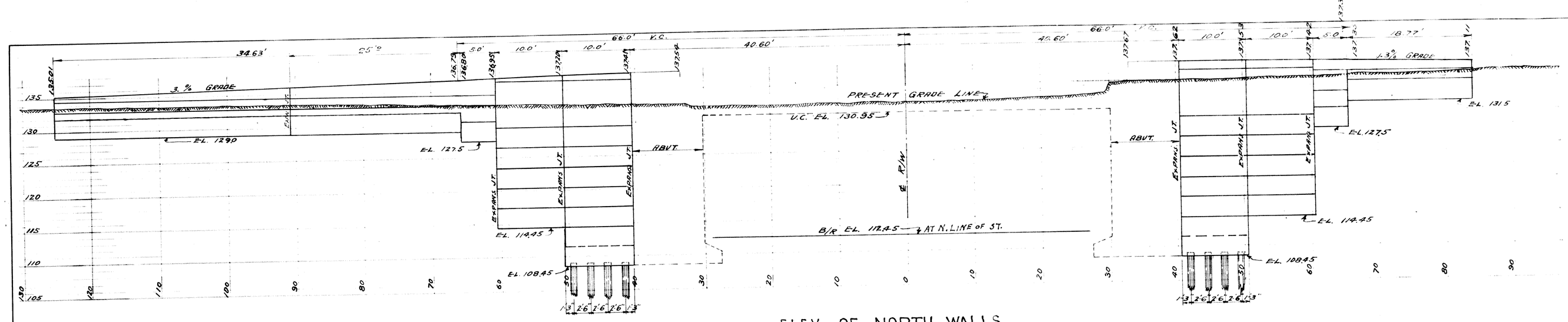
Approved _____
CHIEF ENGINEER D.G.H.&M. RY.

Approved Perry A. Freeman
CITY ENGINEER

GRAND TRUNK RAILWAY SYSTEM
WESTERN LINES
DEQUINDRE GRADE SEPARATION
MASONRY DETAILS - SHERMAN ST.
DETROIT MICHIGAN
SCALE ½" = 1 FT.

DR. E.J.W. TR. E.J.W. CH. R.E.M.	OFFICE OF CHIEF ENGINEER DETROIT, MICHIGAN MAY 27 1926	JNL Nº W 3117 FILE

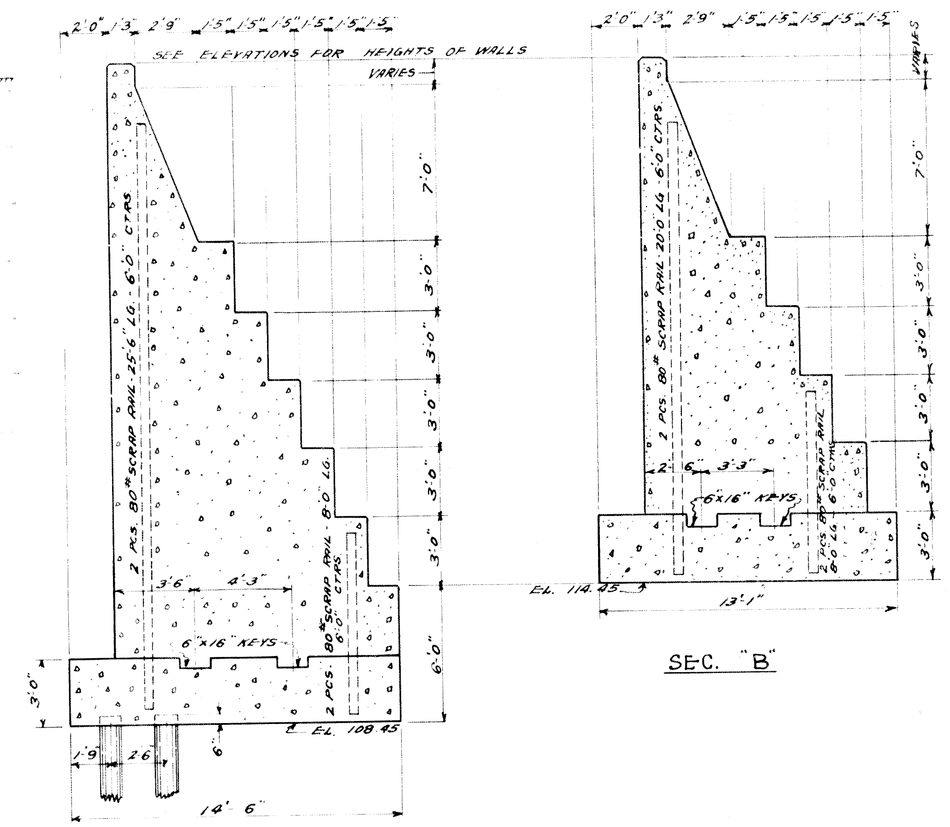
SHEET 2 OF 2



ELEV. OF NORTH WALLS

EAST & WEST OF R. OF WAY

SCALE: 1/8 = 1 FT.

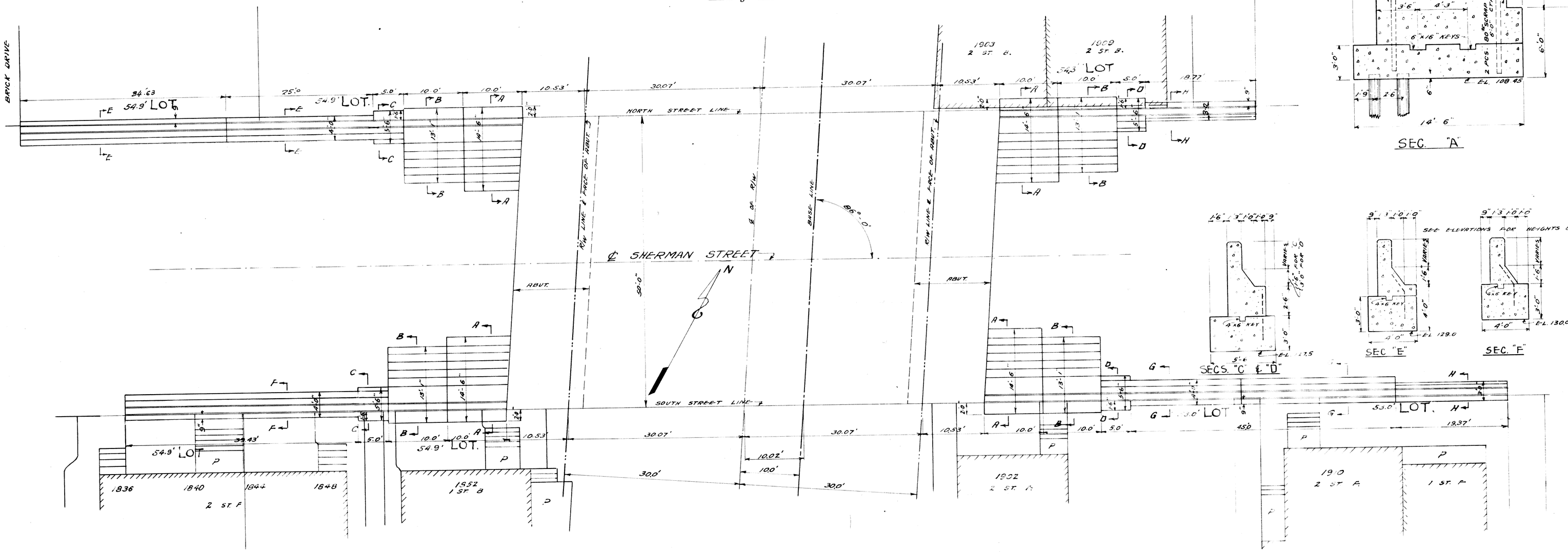


SEC. "A"

SEC. "B"

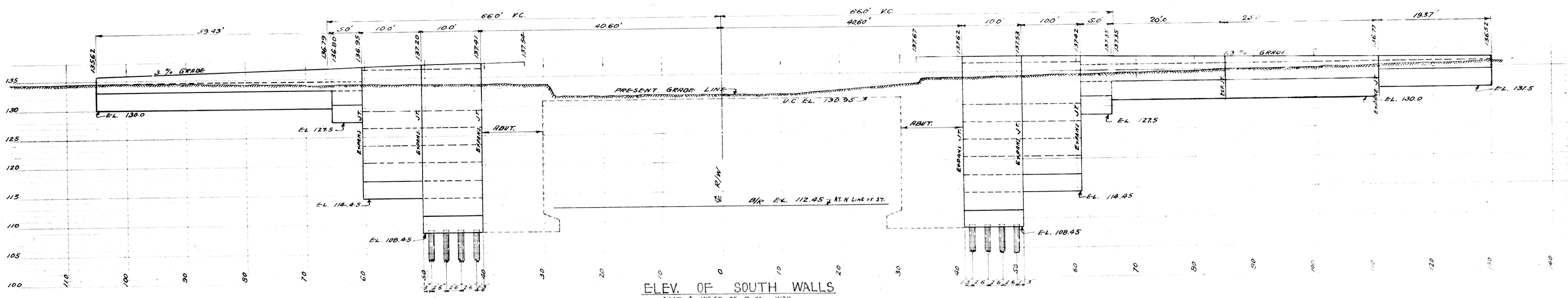
SECTIONS

SCALE: 1/4 = 1 FT.



PLAN OF STREET WALLS

SCALE: 1/8 = 1 FT.



ELEV. OF SOUTH WALLS

EAST & WEST OF R. OF WAY

SCALE: 1/8 = 1 FT.

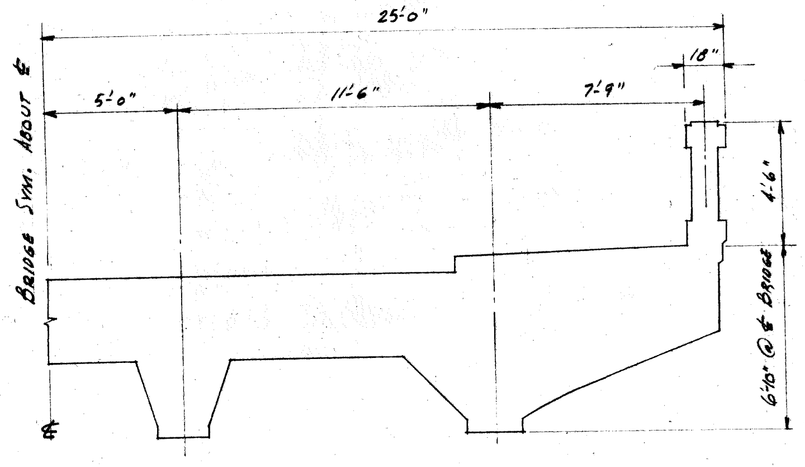
Approved Chief Engineer D.G.H.&M. Ry.

Approved City Engineer

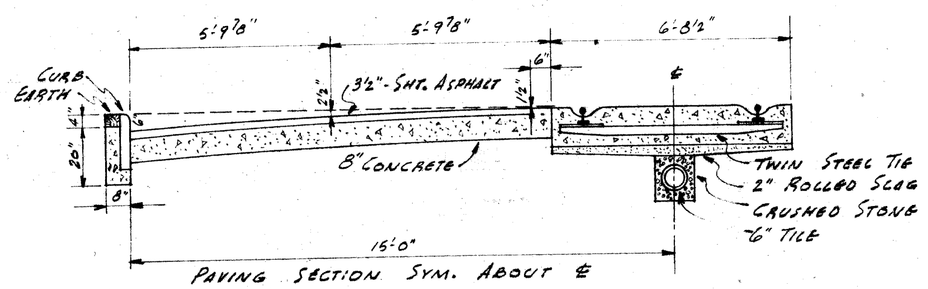
GRAND TRUNK RAILWAY SYSTEM
WESTERN LINES
DEQUINDRE GRADE SEPARATION
DETROIT MICHIGAN
SHERMAN ST. RETAINING WALLS
SCALE AS SHOWN

DR R.E.M.	OFFICE OF CHIEF ENGINEER	JOURNAL NO.
TR R.E.M.	DETROIT MICHIGAN	W-3119
CH R.A.W.	MAY 12, 1926	FILE

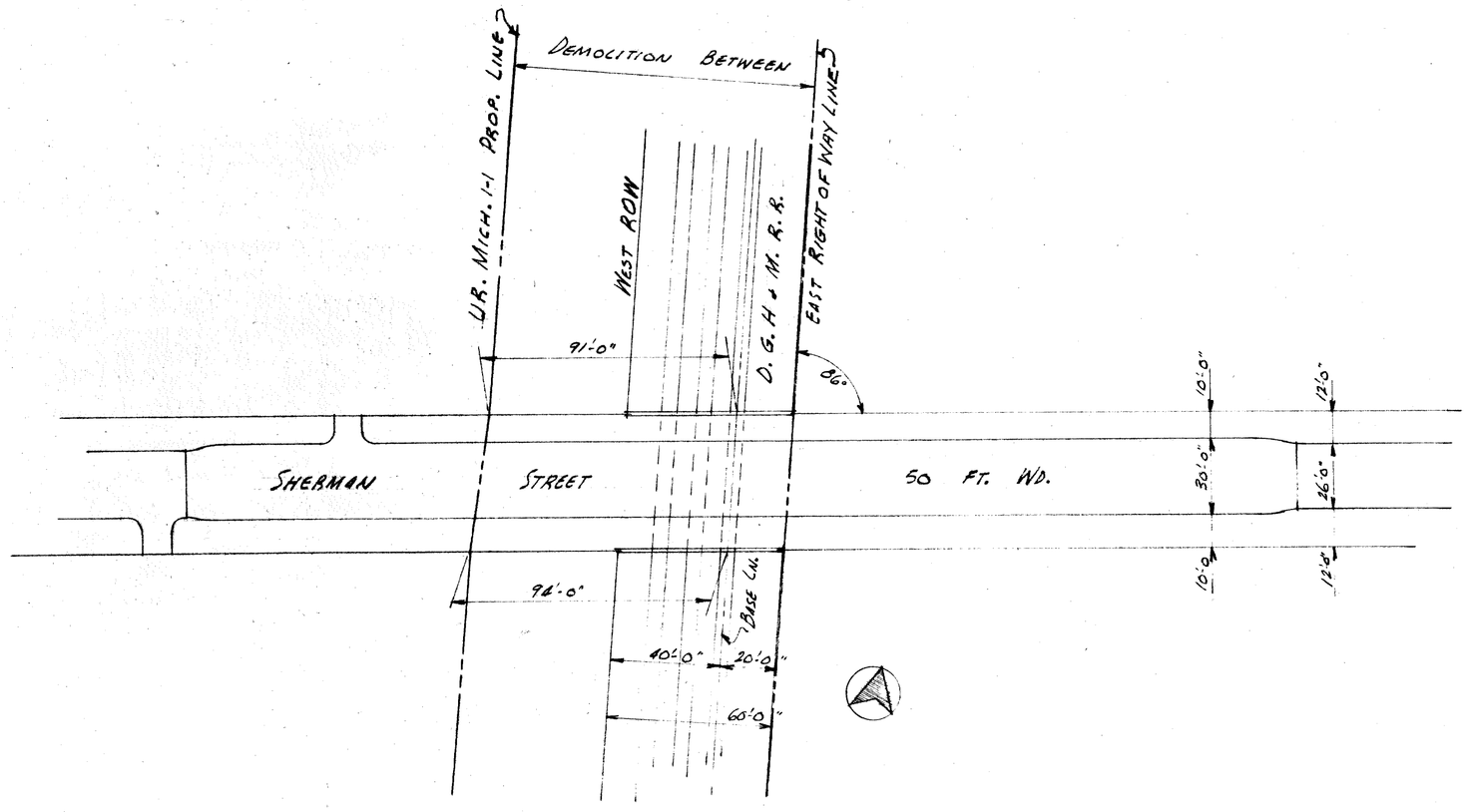
B. K. ELLIOTT CO. 70145 900 5-56



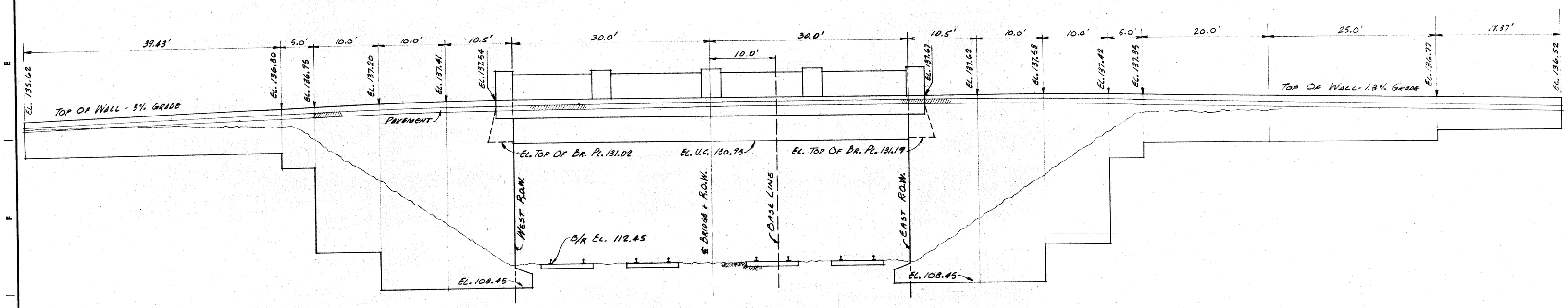
HALF SECTION THRU BRIDGE DECK @ ℄ BRIDGE
SCALE - 1/8" = 1'-0"



HALF SECTION THRU PAVEMENT - 30' WIDE
SCALE - 1" = 3'-0"



LOCATION PLAN
SCALE - 1" = 40'



ELEVATION OF SOUTH WALLS
EAST + WEST OF ROW
SCALE - 1/8" = 1'-0"

XO-78

COORD	DESCRIPTION	DR'N	CK'D	APV'D	DATE	REFERENCE DRAWINGS	DESIGNED BY	E. Mitchell	
							DRAWN BY	M. Sartinkel	
							TRACED BY	M. Sartinkel	
							CHECKED BY	E. Mitchell	

REVISIONS LOCATED BY COORDINATES ON SHEET

APPROVED: R. C. Jefferson, ARCH. ENGR.; Owen F. Palmer, ASS'T CITY ENGR.; M. J. Cragnotti, CITY ENGINEER

CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERS OFFICE
FOR
DETROIT HOUSING COMMISSION

DEMOLITION OF HIGHWAY BRIDGES

SHERMAN STREET BRIDGE
LOCATION PLAN & SECTIONS

SHEET 1 OF 5 SHEETS
CONTRACT NO. HS-1
DRWG No. S-1
DATE AUG 1957

XO-78-7 HS-1