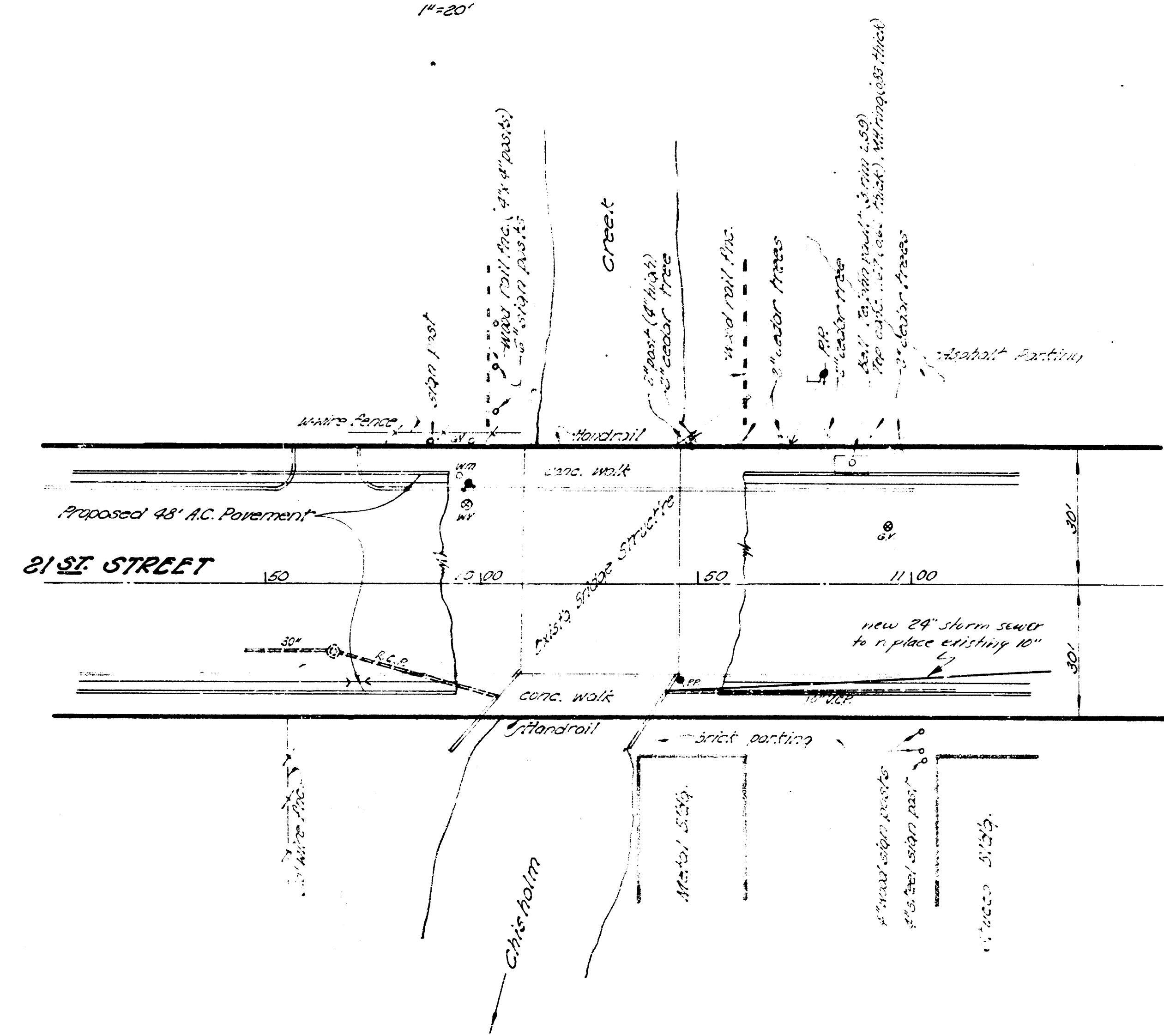
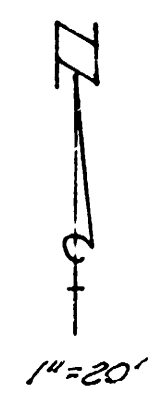


B.M. 12263 10" Cut on conc. base on N. Side
 Metal Pole 13 Gas Gas Sign (Rt) Sta. 11102.3



NOTE: The intent of this project is to remove the brick surface over the existing bridge structure, remove the hand rail, sidewalk, and walls, & the damaged portion of the bridge deck. Repair the abutments & deck. Construct new wing walls, sidewalk, handrail, & final concrete paving surface over the bridge deck. It may be necessary to vary the limits of removal & repair in the field. All concrete work (except handrail) will be paid by the cubic yard.

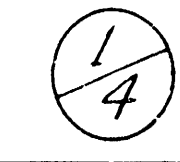
The bridge is to be repaired with traffic across the opposite half of the bridge during construction.

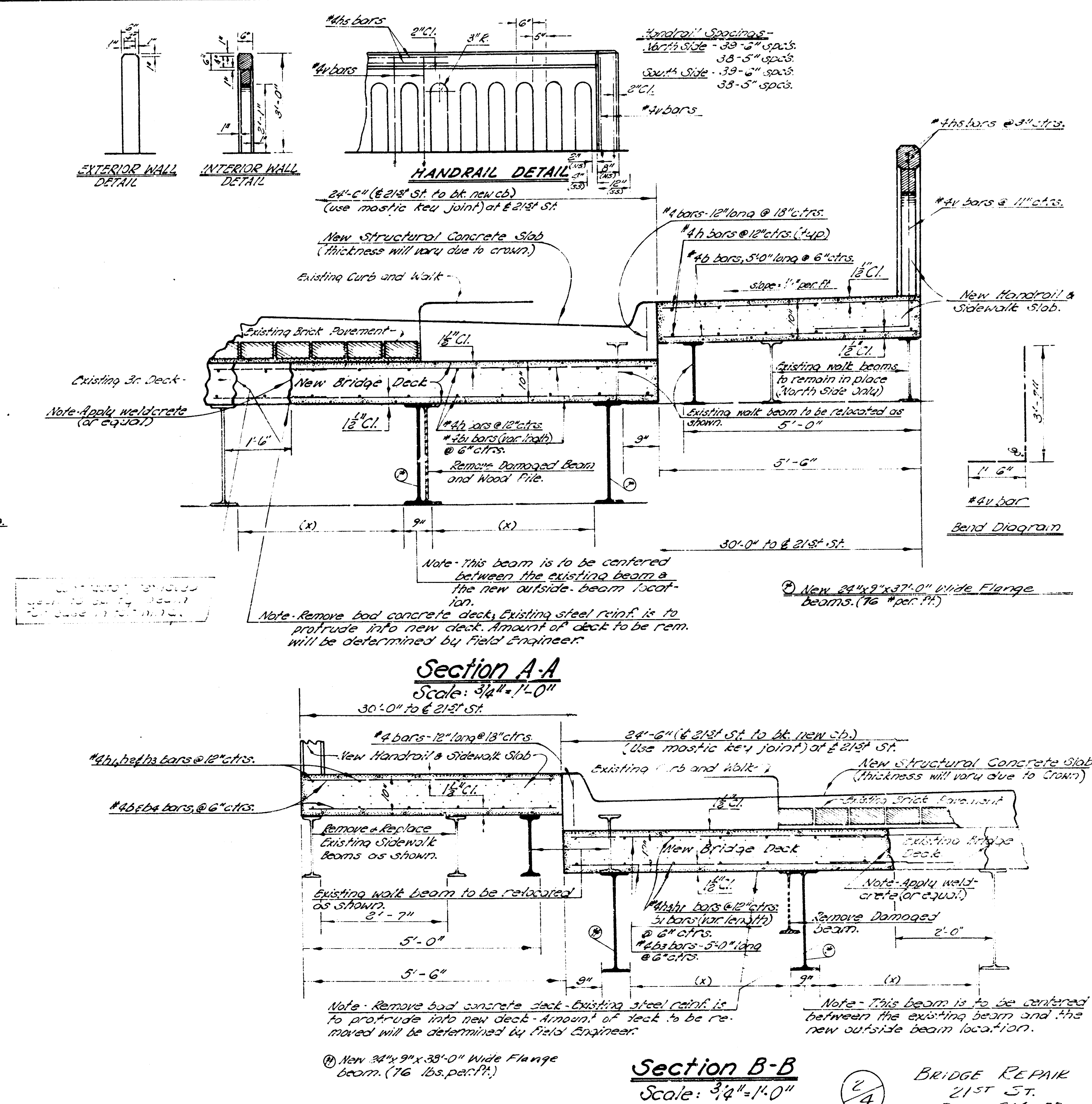
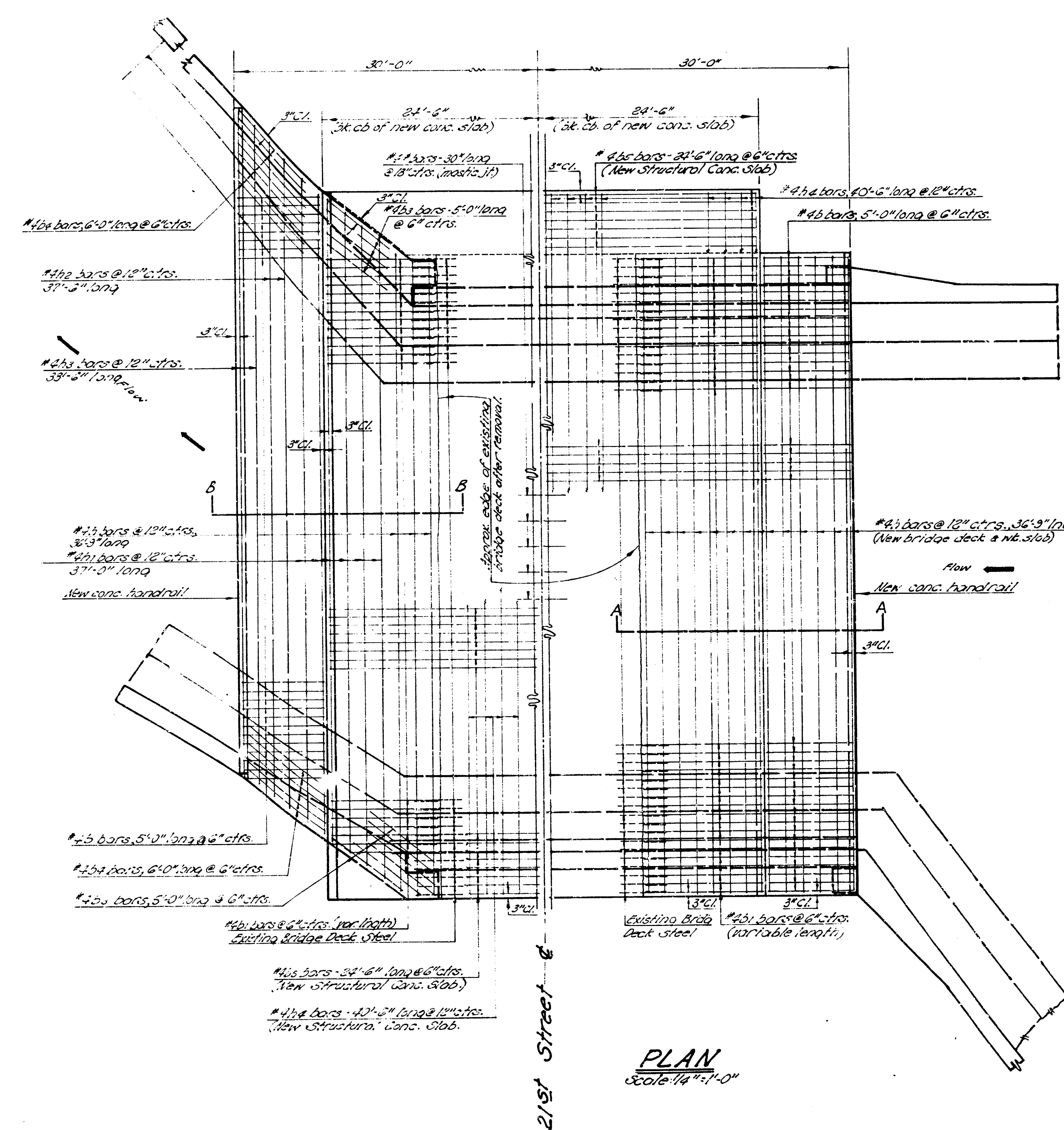
Existing utility pipes are to remain in place.

Location Map
 Re-construction of part of Bridge
 existing across Chisholm Creek @ 21st Street.

City of Wichita, Kansas

B.A. Smith — City Engineer
 Date: SEPT. 1953 Proj. No. C14-53

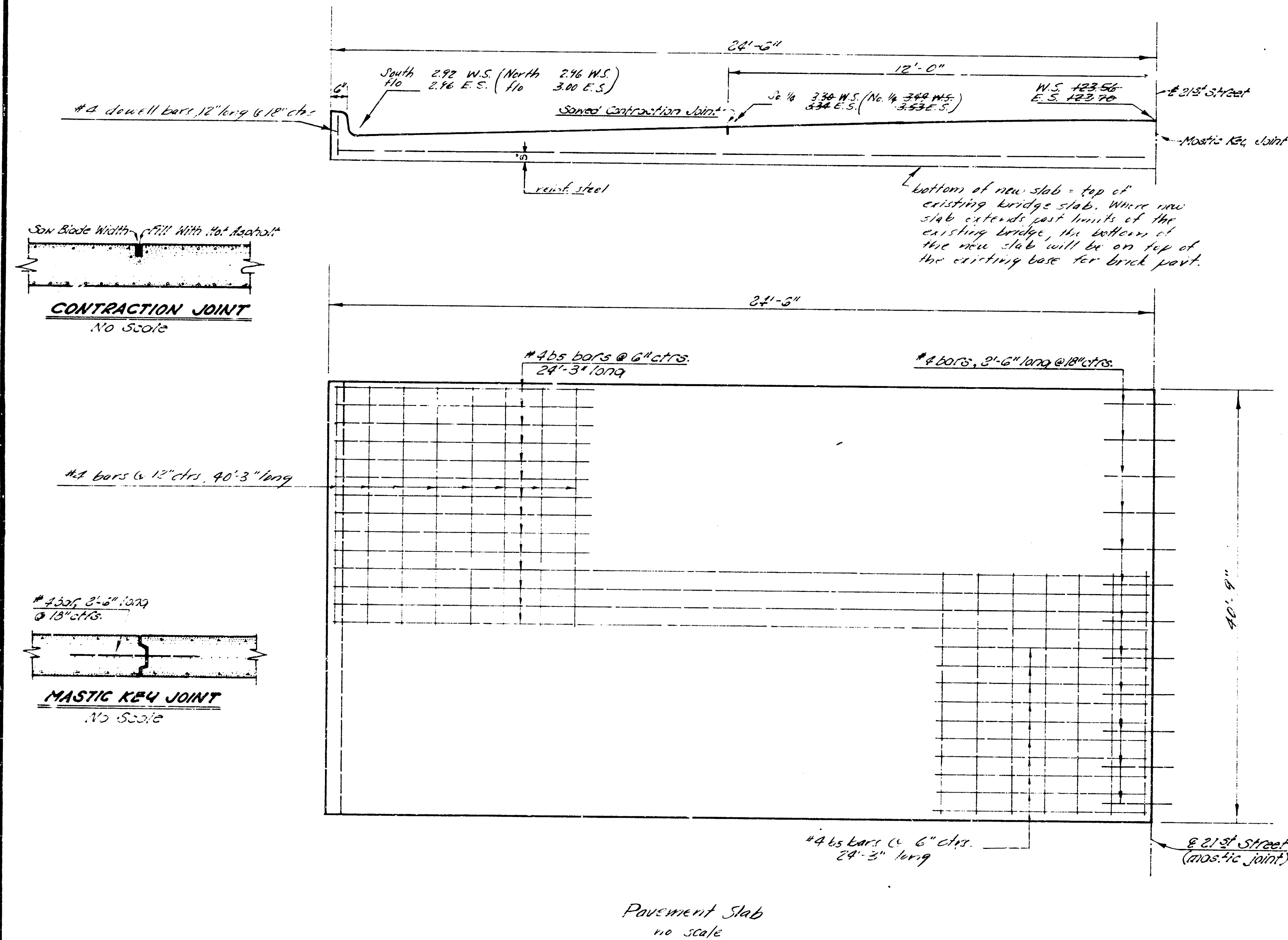




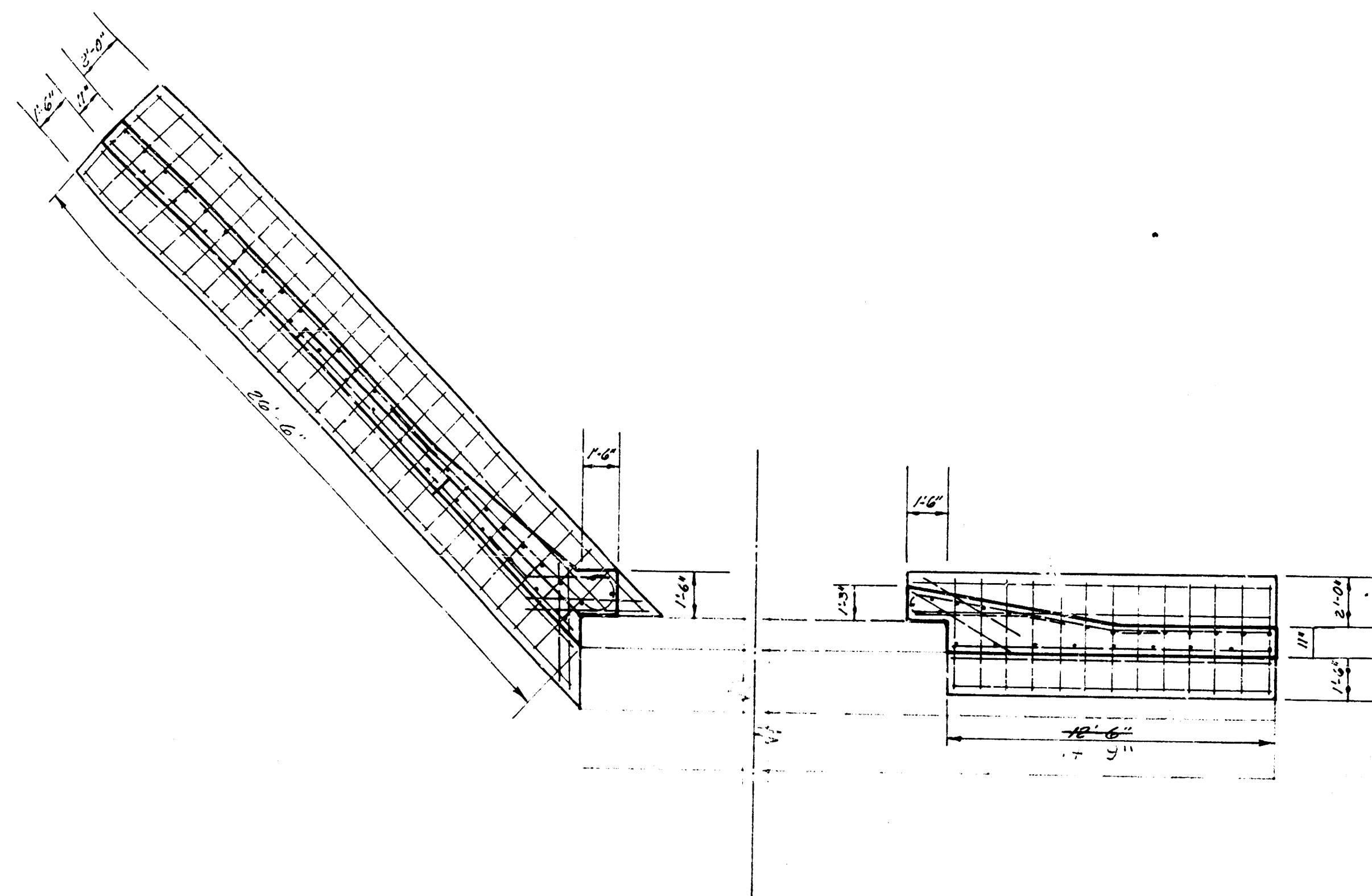
NOTE: Existing structural steel is to be sandblasted & painted with a prime coat of pure red lead & linseed oil primer (AASHTO Spec. M-72-52). New structural steel is to be shop painted with same prime coat. All structural steel is to be field painted with finish coat of aluminum paint as per State Highway Spec. Sec. 114, 1955 edition. The cost of sandblasting, prime coat on existing steel, & finish coat on all structural steel will be bid as a lump sum.

Bill of Materials:		
Quantity	Unit	Item
190 *	cu. yds.	concrete
11,324	lbs.	structural steel
3,900 *	lbs.	reinforcing steel
750	lin. ft.	hardwood
**	sq. yds.	bridge removal
1.5	sq. yds.	excavation
25.5	cu. yds.	excavation
27.1	cu. yds.	compacted fill
4	lump sum	painting

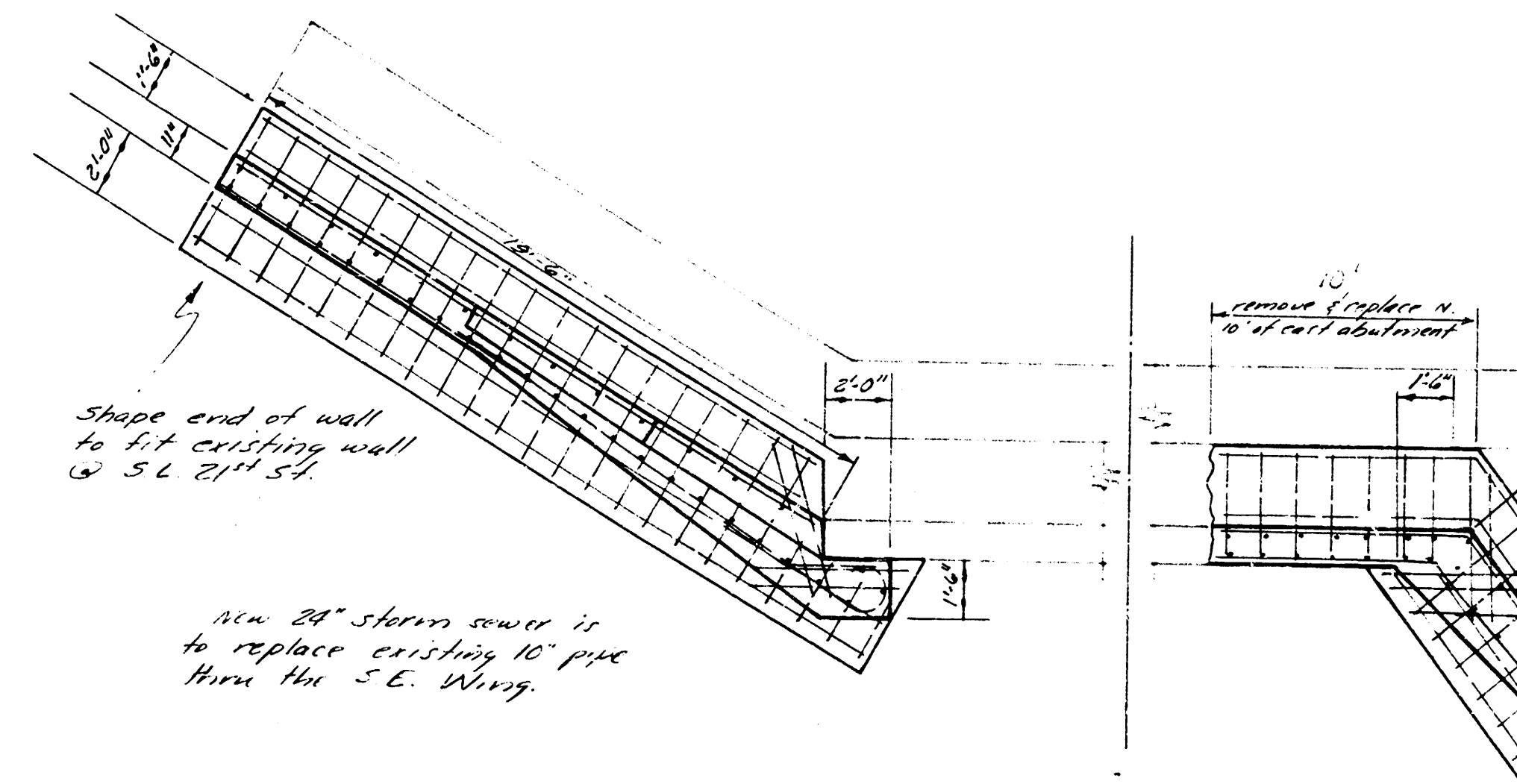
* Estimated limits of removal will determine final quantities.
 ** Lump sum bid for bridge removal is to include the removal of brick surface, handrails, sidewalks, & approach railings & bridge deck to the limits indicated on the plans. If additional concrete removal is required, the cost of concrete removed will be paid. All debris removed must be hauled from the site.
 Rebar coating of existing steel beams with asbestos are in pay items incidental to the project.



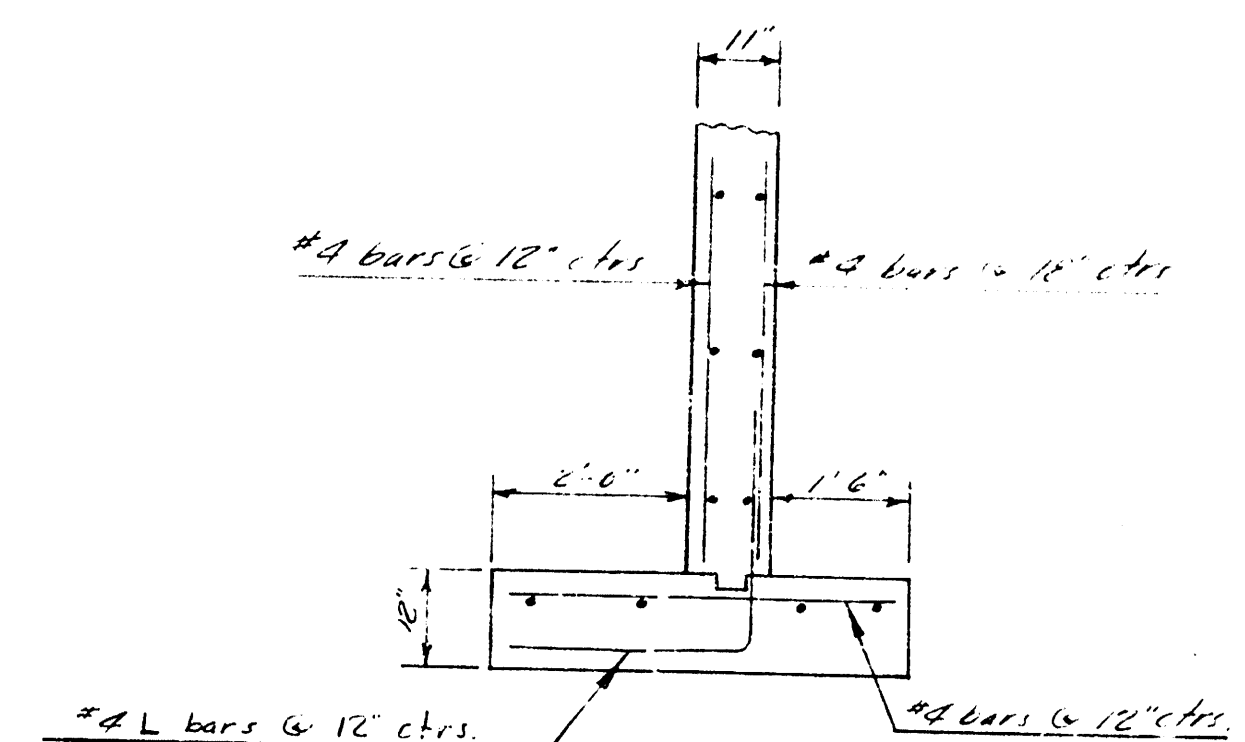
BRIDGE REPAIR
 21ST ST.
 PR-J. CM-53



Plan View - West Wingwalls
Scale: 1/4" = 1'-0"



Plan View - East Wingwalls
Scale: 1/4" = 1'-0"

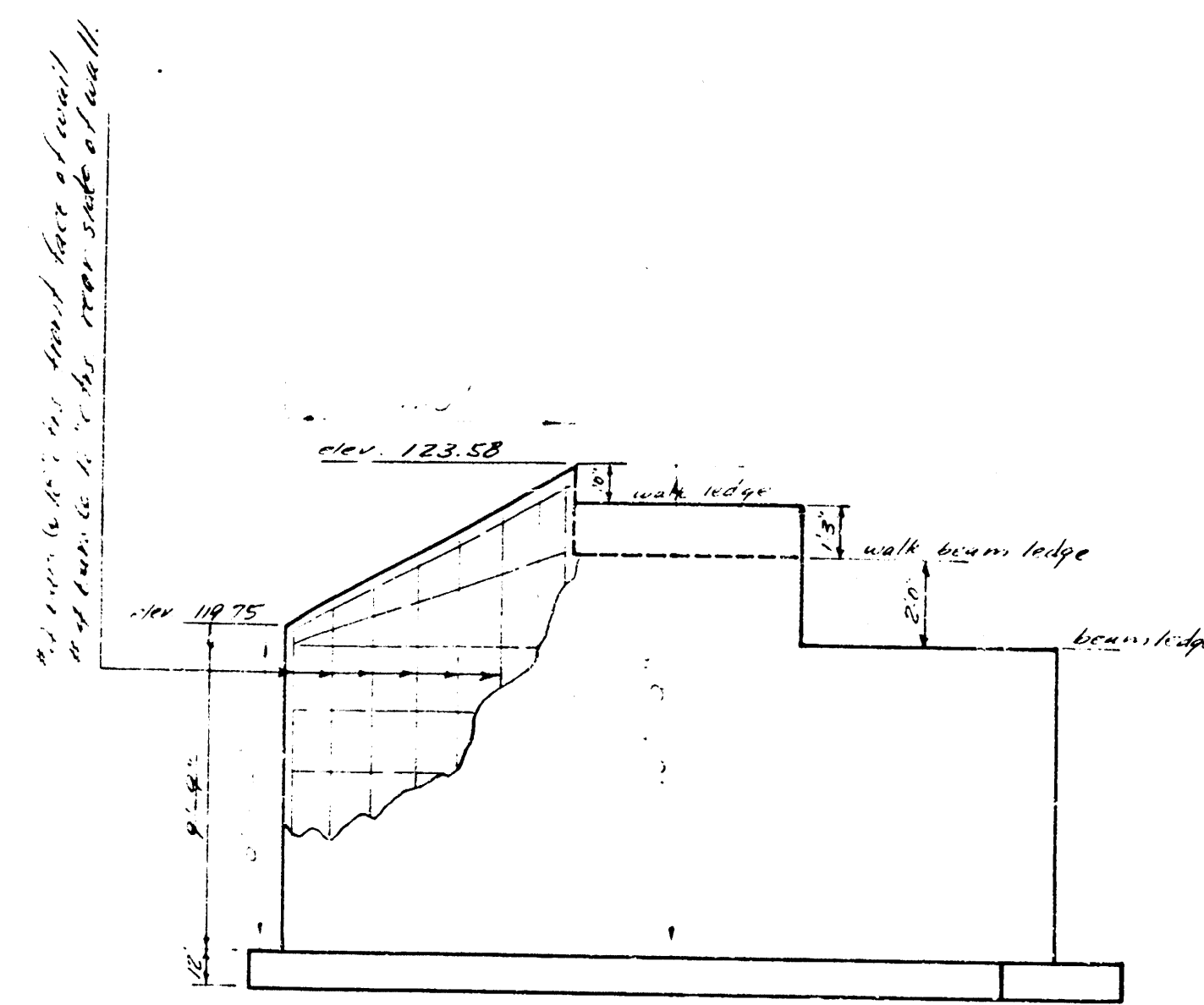


Wall & Footing Detail
Scale: 1/4" = 1'-0"

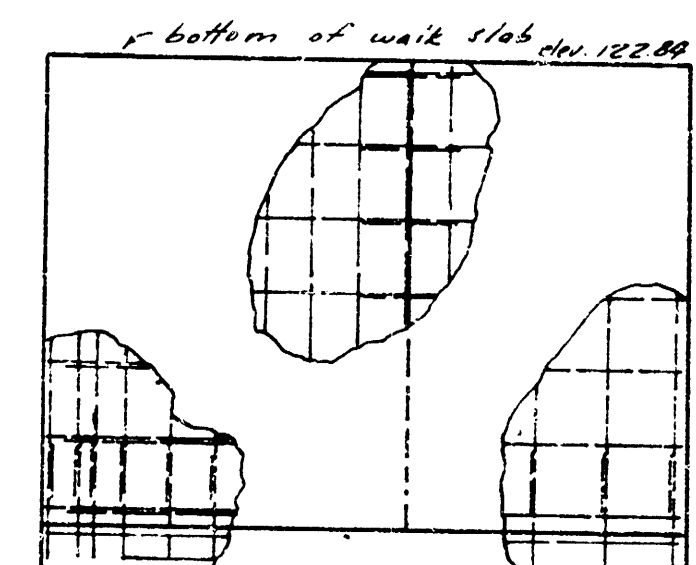
Existing footings to wingwalls will not be removed if they are sound & new walls can be connected integral to the footings.

Note: W dimensions will be varied to fit the conditions in the field. Existing steel reinforcement bars are to protrude into new concrete where possible. All new reinforcement to be #4 bars. The number & lengths must be varied to fit the limits of construction as determined in the field.

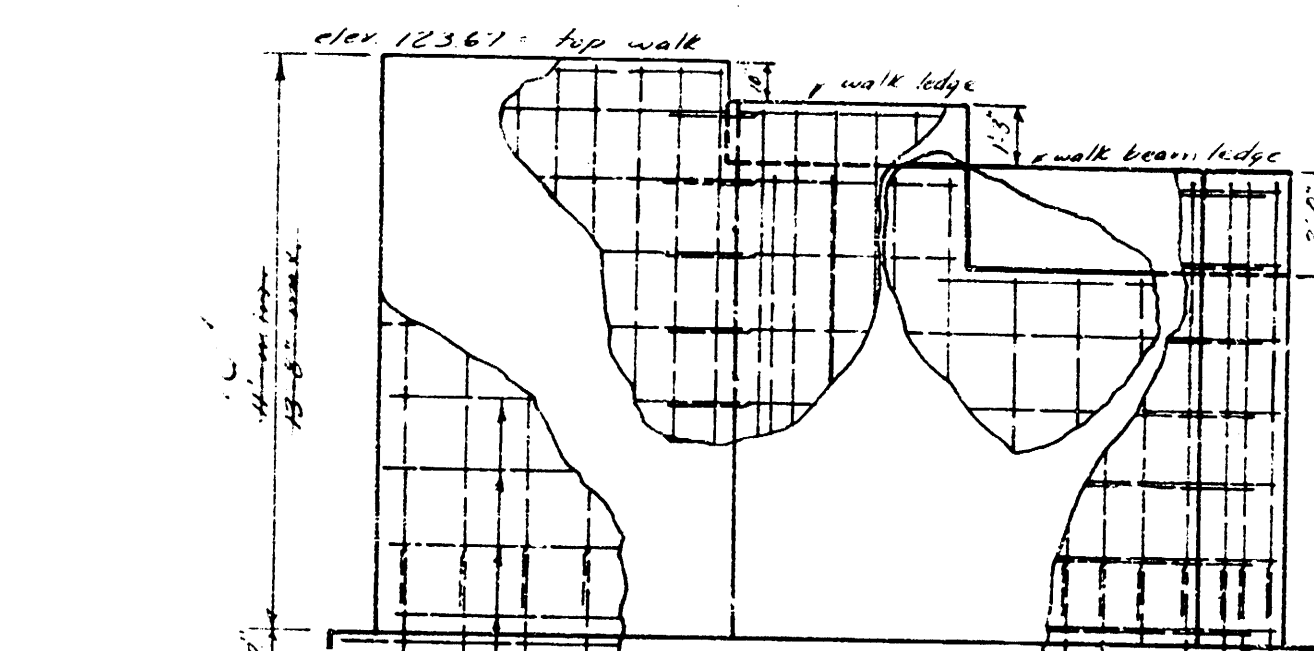
Note: Back side of wingwalls may be formed straight.



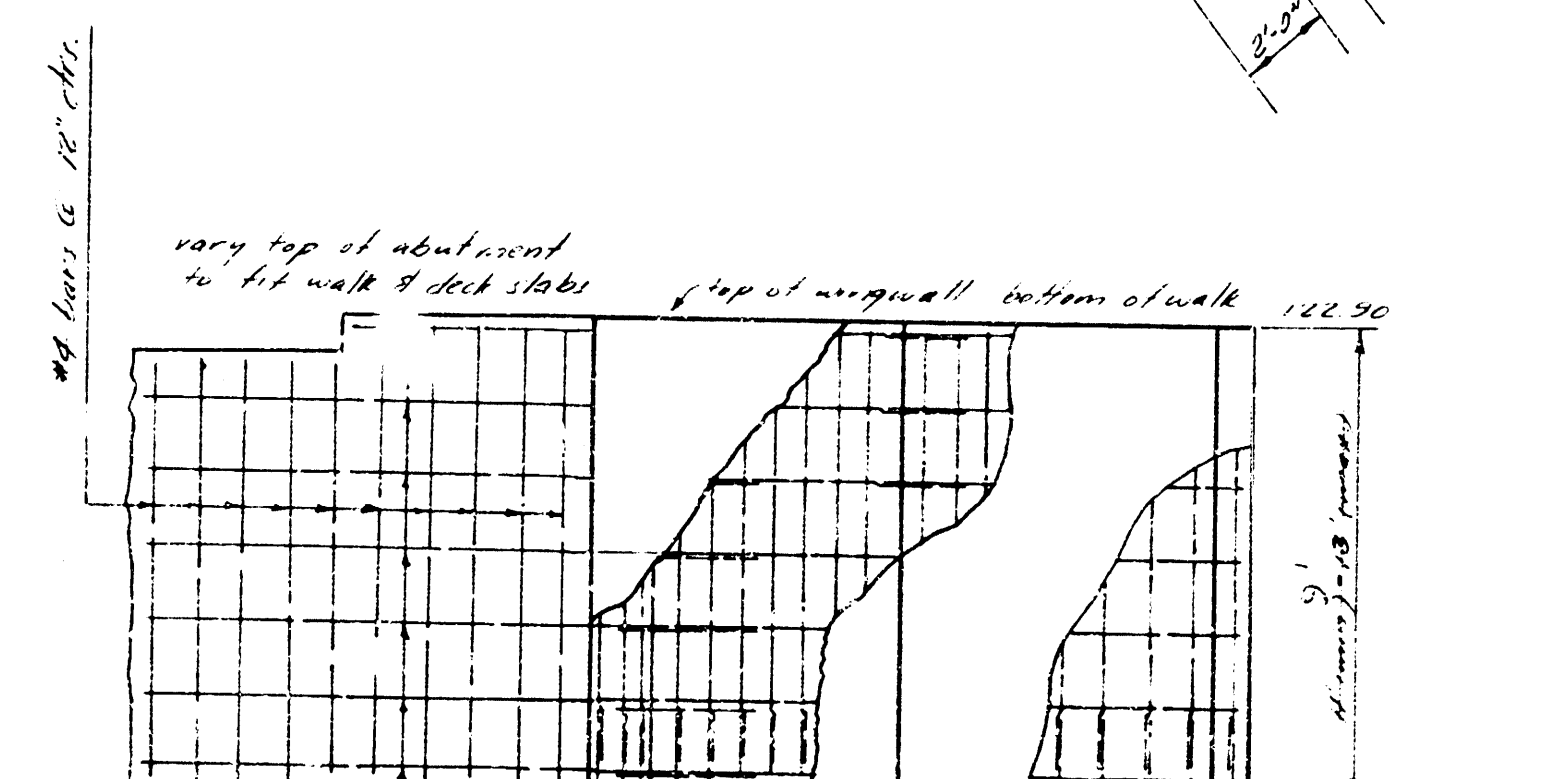
S.W. Wing



N.W. Wing



S.E. Wing



N.E. Wing

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PROJ. C19-53