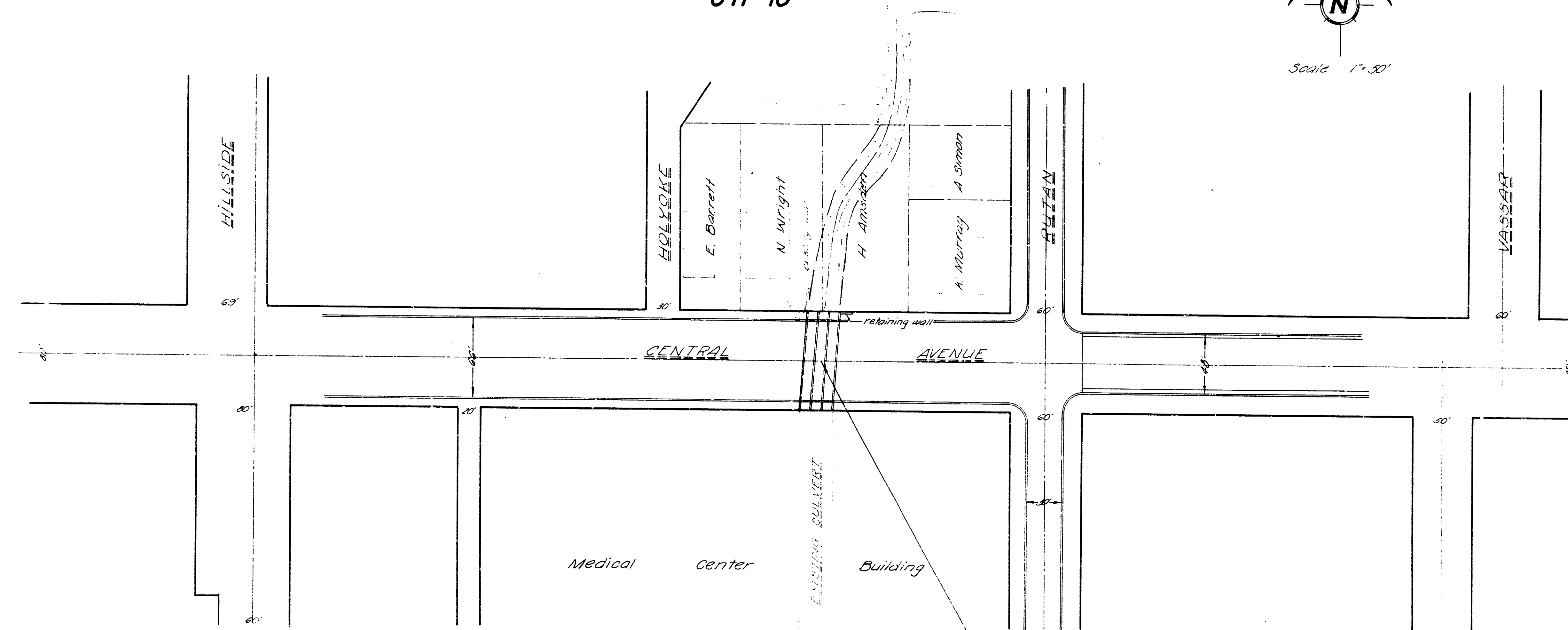
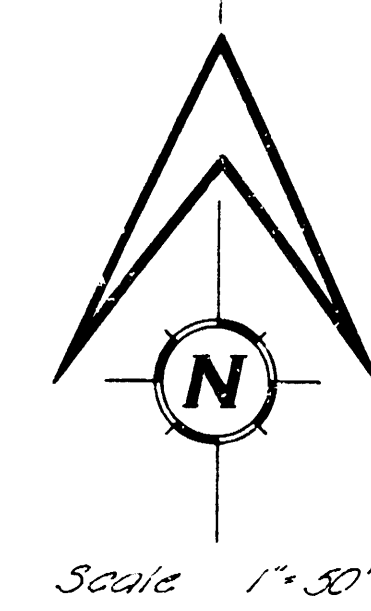


3-8'x5' R.C.B.
CENTRAL AVENUE
C11-10



DETAILS

Size: max. 8'-0" x 5'-0" openings

Slab Thickness: 9 inches

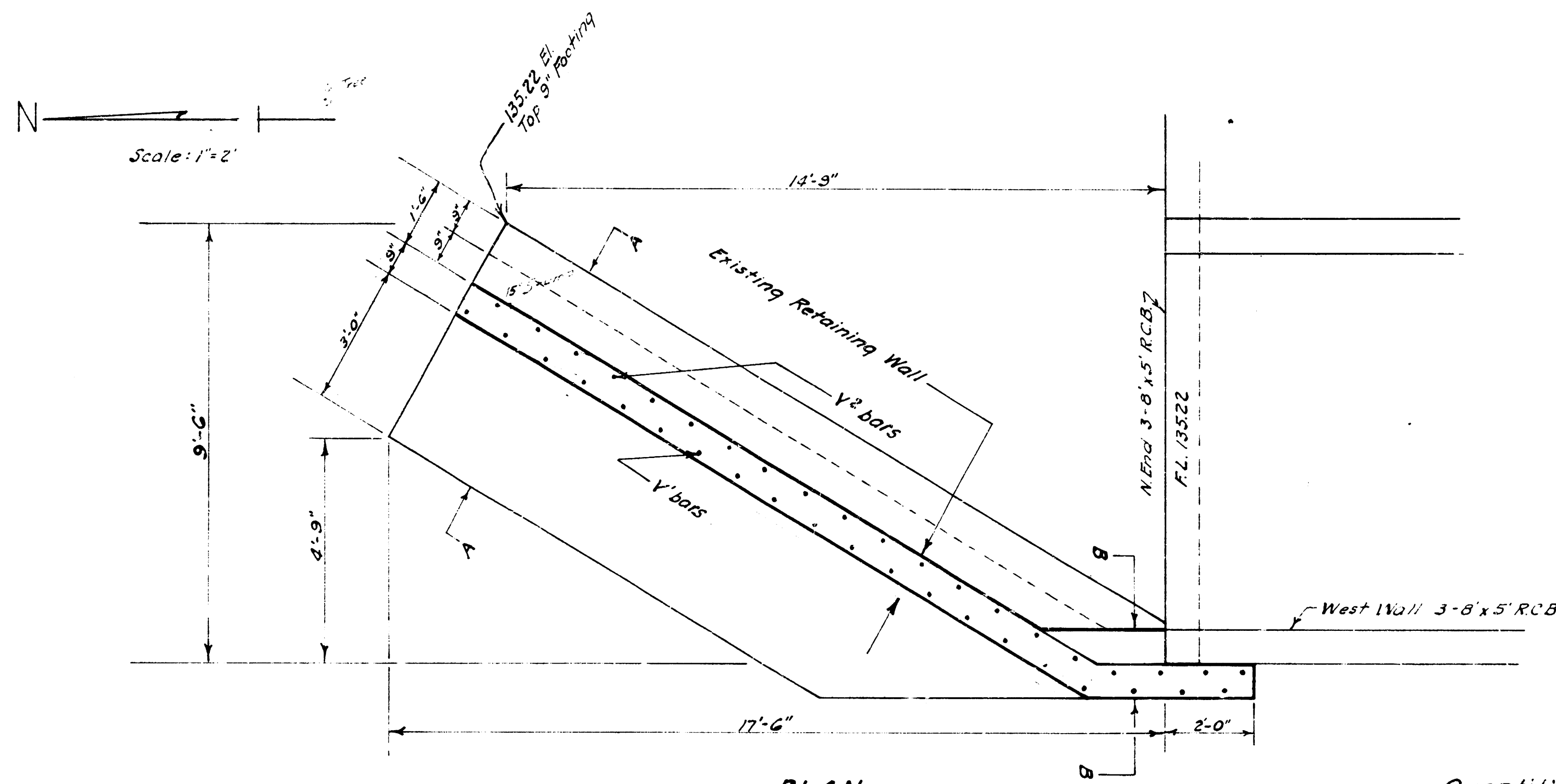
Wall Thickness: 9 inches

Overall Height: 10'-1 1/2"

Overall Width: 21'-0"

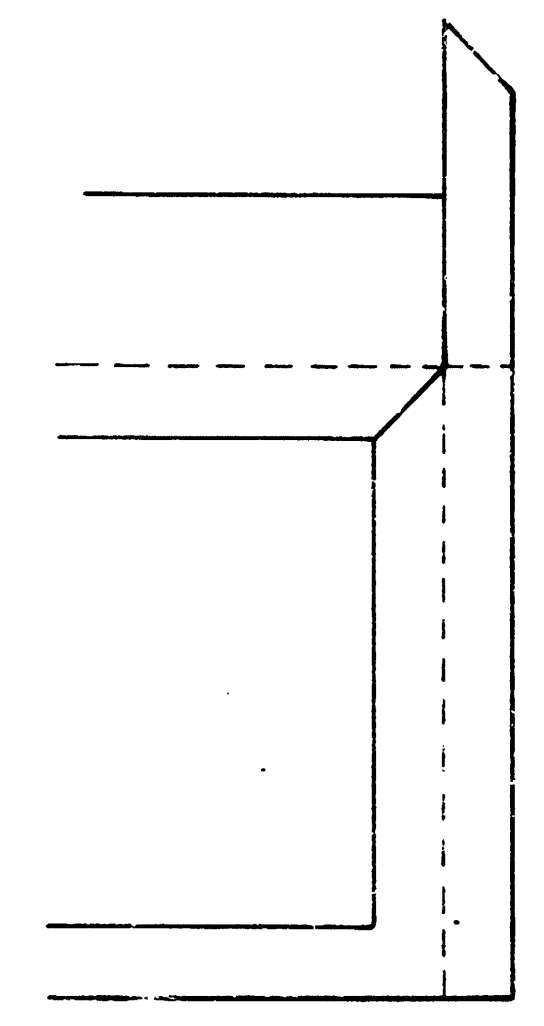
Slope: 3" - & divert 0" to E street

New structure to match existing concrete divert at south E of Central Avenue.

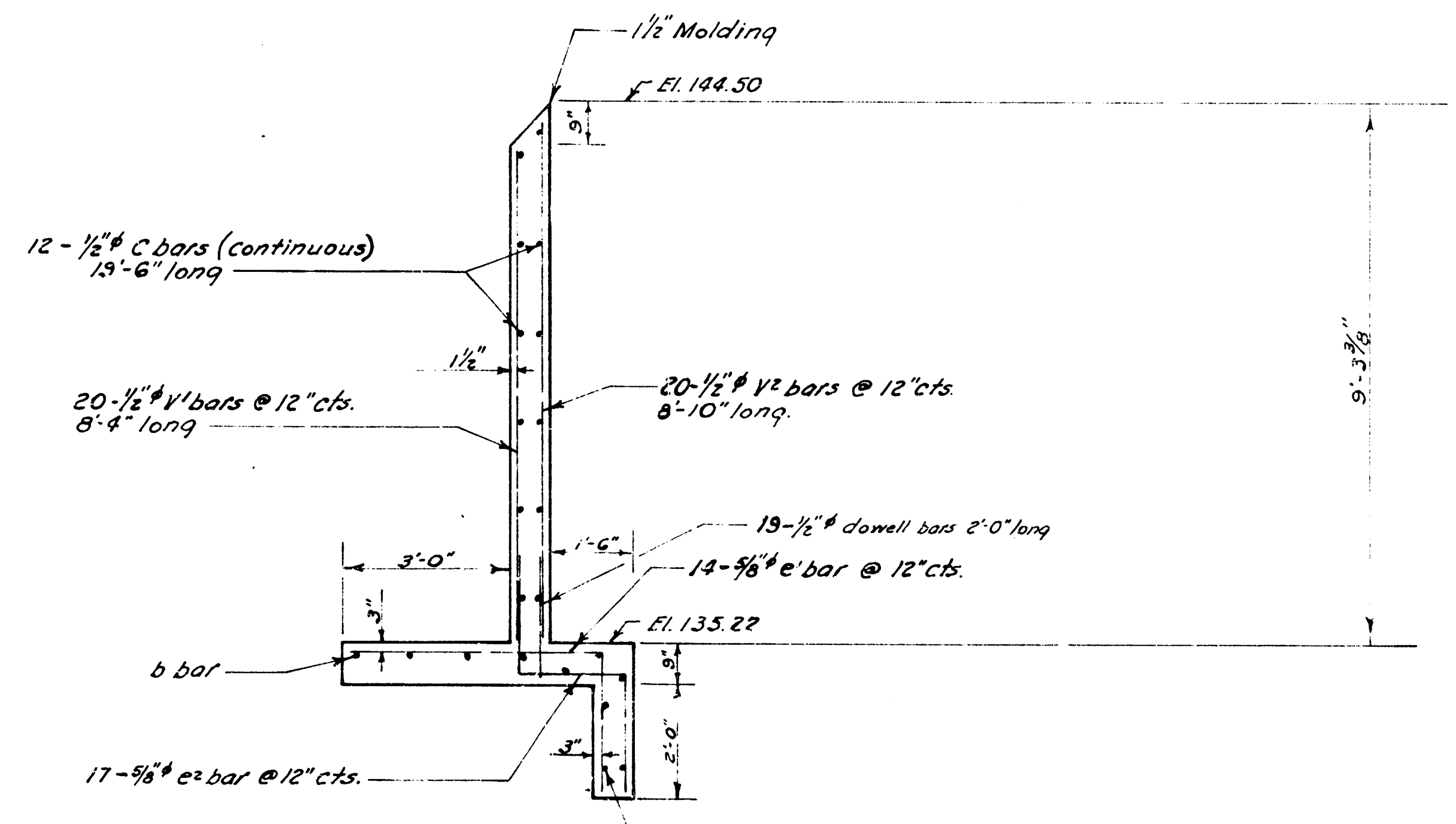


PLAN

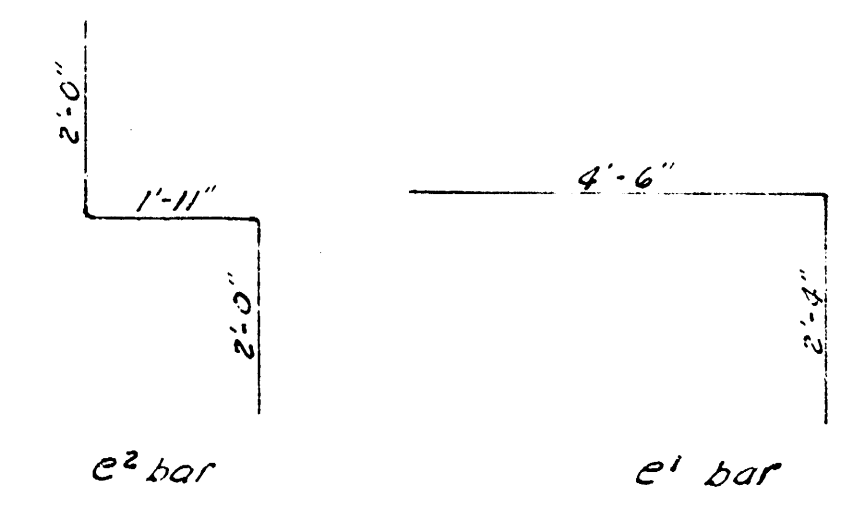
Quantities
 Conc. 8.42 Cu. Yds.
 Steel 780 Lbs.
 Exc. 25 Cu. Yds.
 Hand Exc. 1 " "
 Comp. Fill 20 " "



SECTION B-B

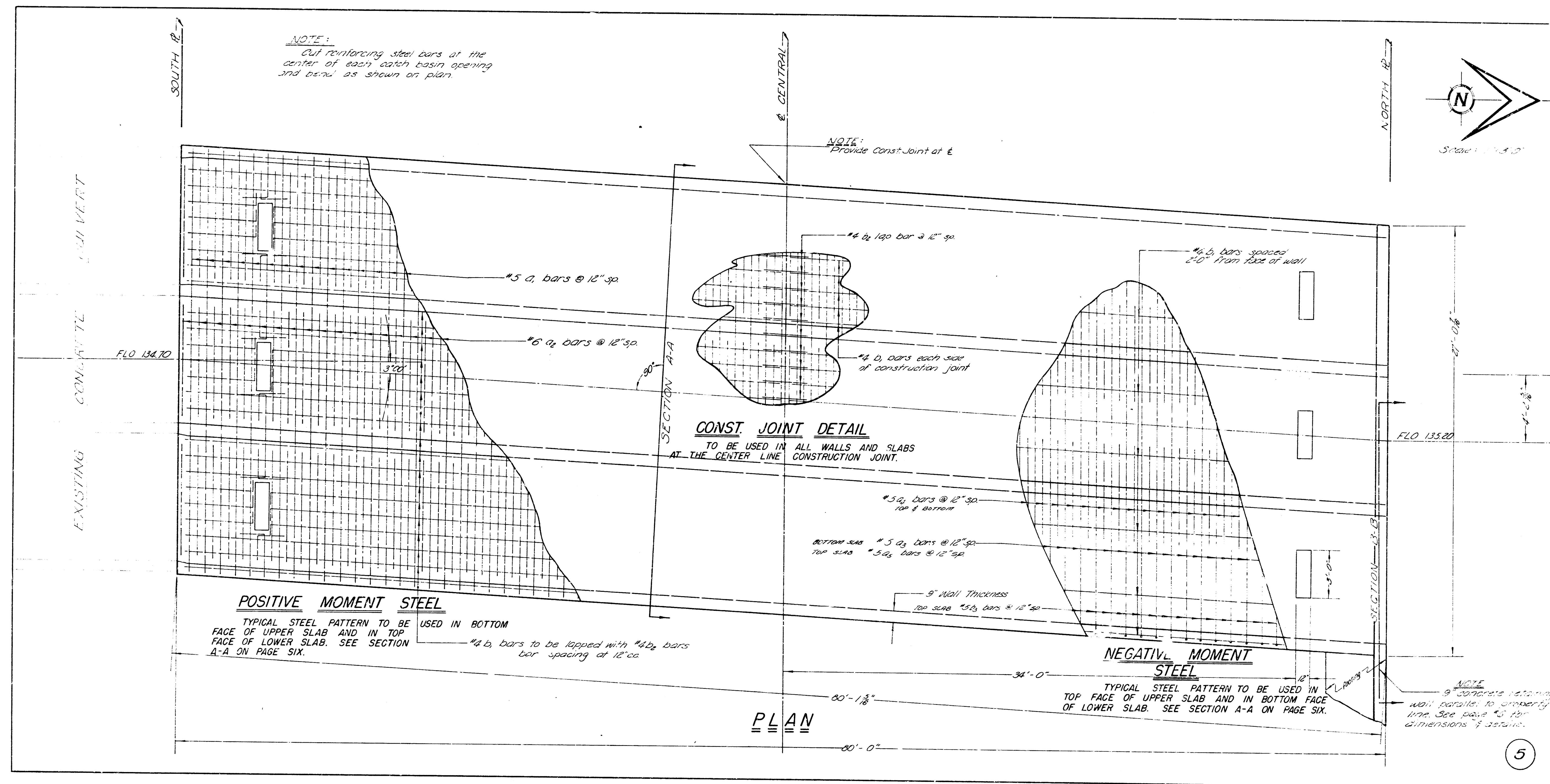


SECTION A-A



RETAINING WALL DETAILS
 NORTH END 3'-8" x 5' R.C.B. ON CENTRAL AVE.
 BETWEEN HILLSIDE & RUTAN

PROJECT NO. C11-10



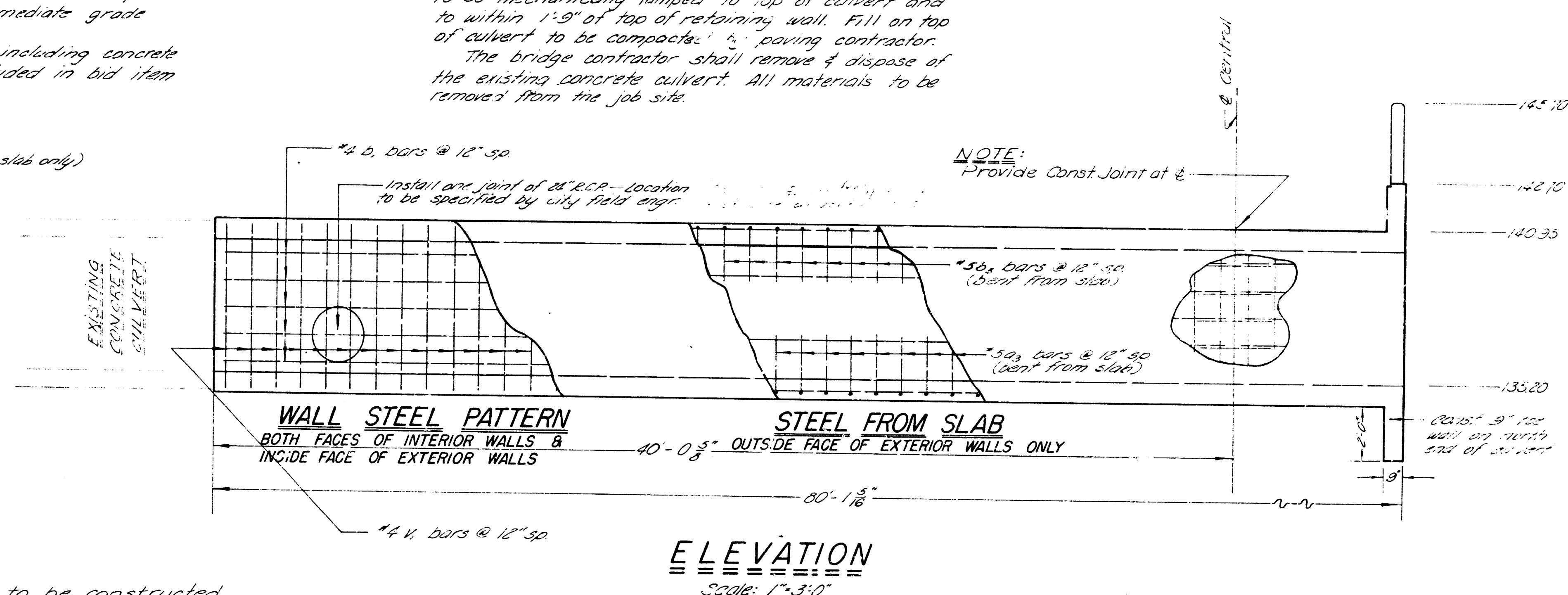
Class A-AE concrete shall be used throughout this project.

All reinforcing steel shall conform to ASTM specification A305-53T for new intermediate grade steel bars of deformed section.

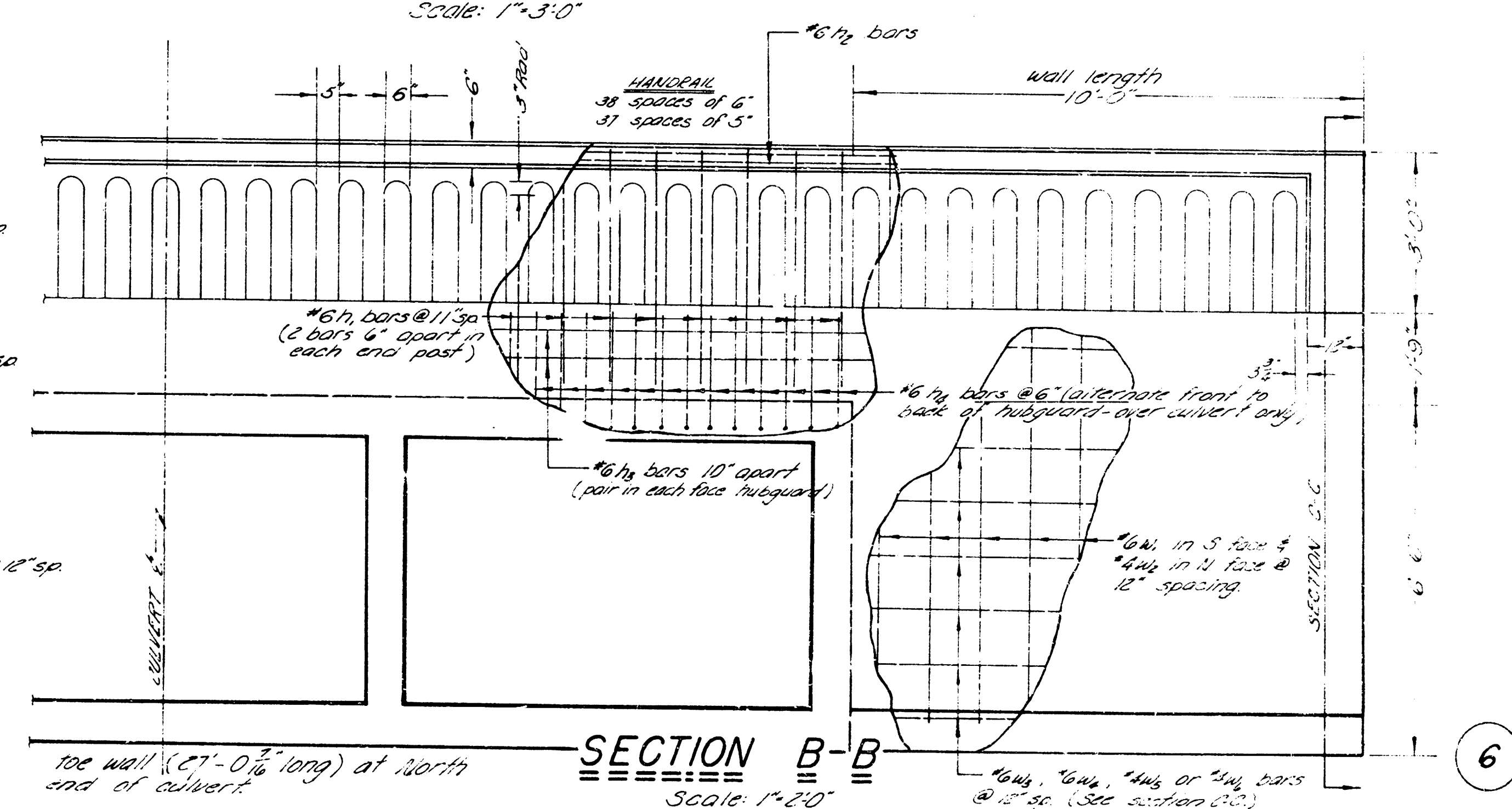
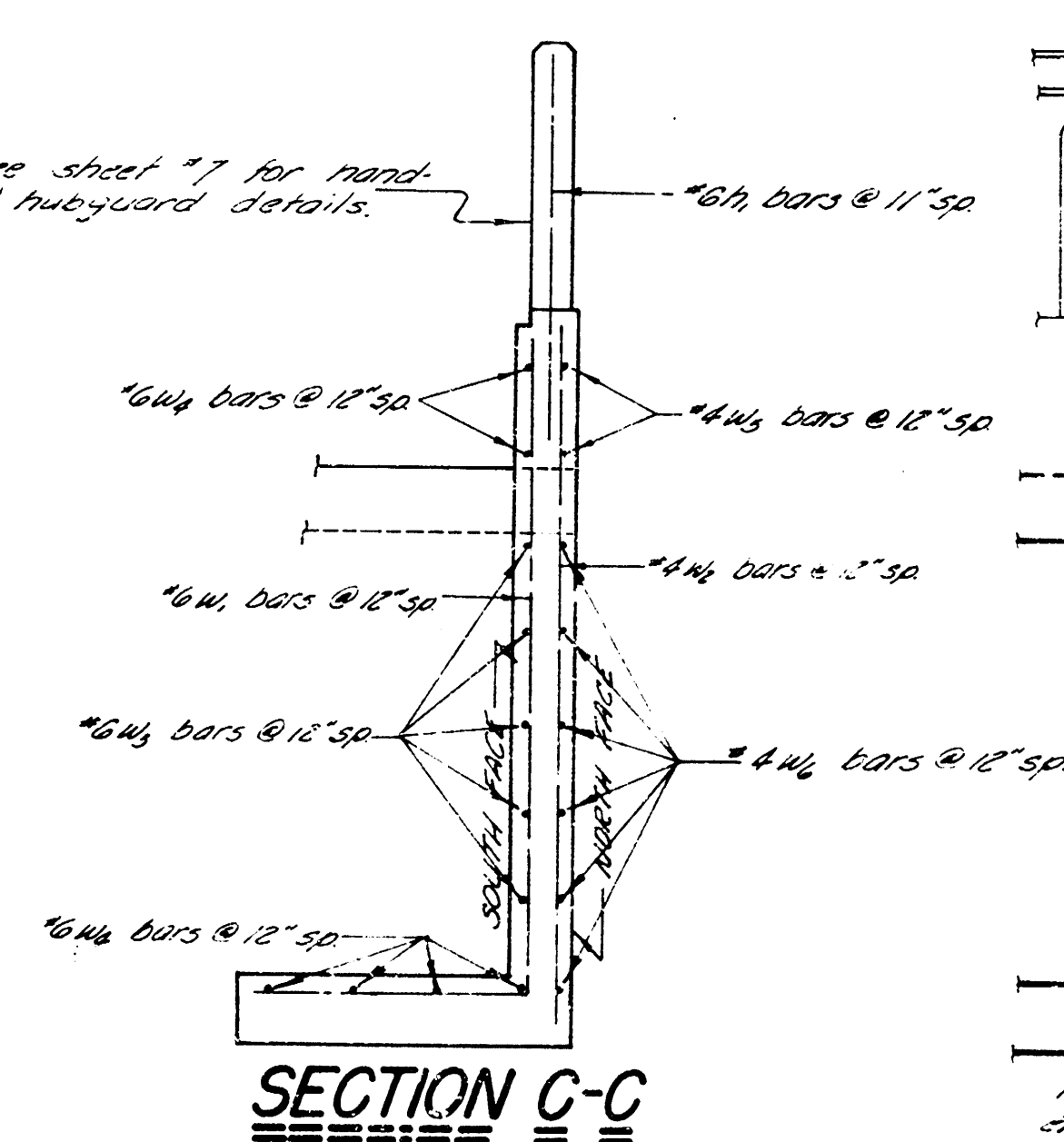
All parts of concrete handrail including concrete and reinforcing steel shall be included in bid item "Concrete Handrail."

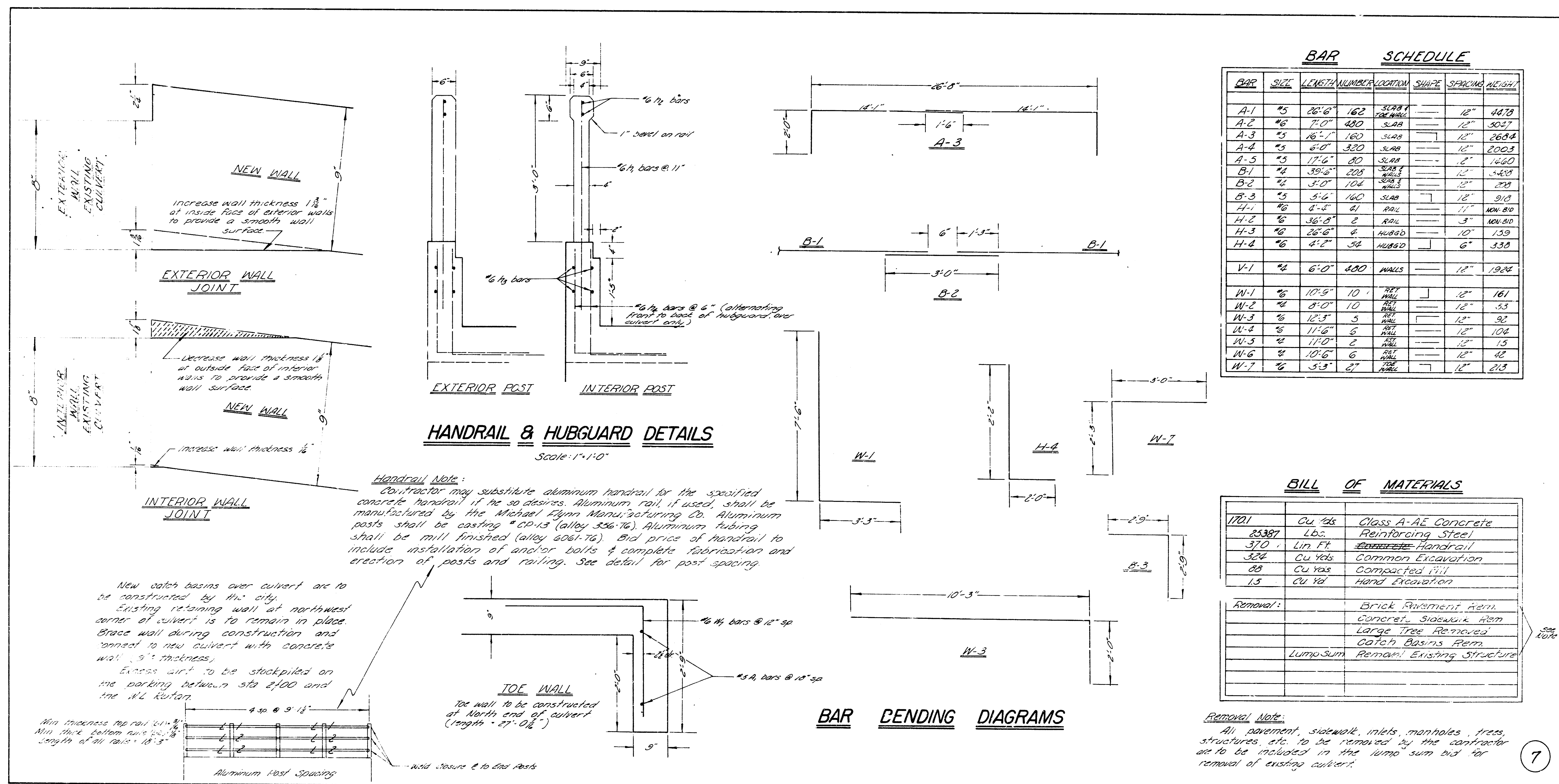
Common excavation shall be figured as extending two feet on each side of new culvert. Backfill to be mechanically tamped to top of culvert and to within 1'-9" of top of retaining wall. Fill on top of culvert to be compacted by paving contractor.

The bridge contractor shall remove & dispose of the existing concrete culvert. All materials to be removed from the job site.



NOTE
Retaining Wall to be constructed
on north-east corner of culvert.



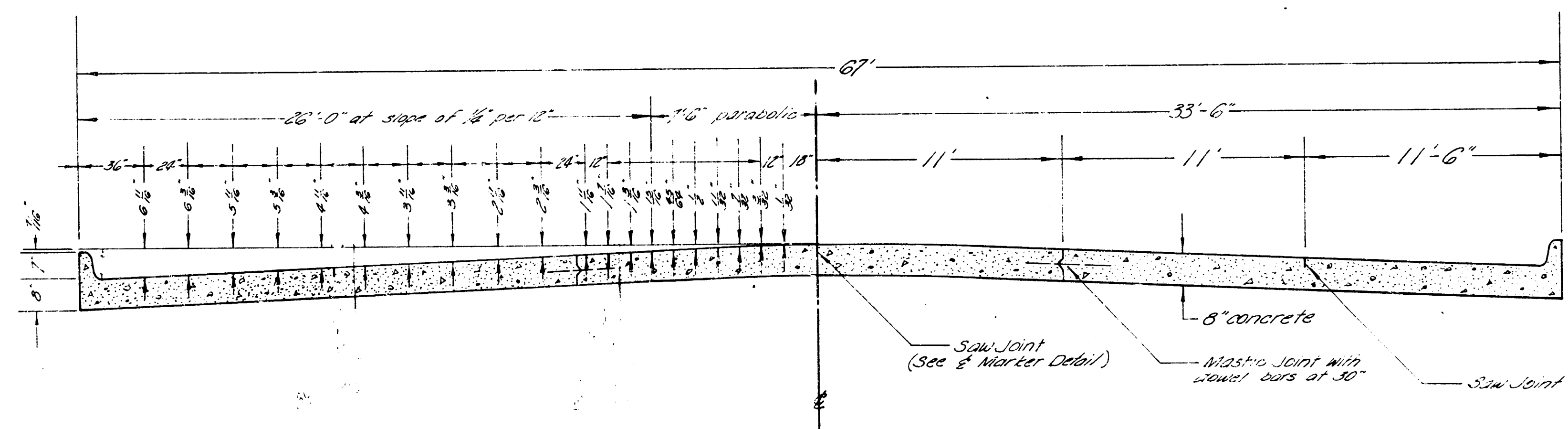


BAR SCHEDULE							
BAR	SIZE	LENGTH	NUMBER	LOCATION	SHAPE	SPACING	REMARKS
A-1	#5	26'-6"	162	SLAB 1		12"	44.79
A-2	#6	7'-0"	480	SLAB		12"	30.57
A-3	#5	16'-1"	180	SLAB		12"	26.84
A-4	#5	6'-0"	320	SLAB		12"	20.03
A-5	#5	17'-6"	80	SLAB		12"	14.60
B-1	#4	39'-6"	208	SLAB 2		12"	14.60
B-2	#4	5'-0"	104	SLAB 3		12"	2.88
B-3	#5	5'-6"	140	SLAB		12"	9.18
H-1	#6	8'-5"	41	RAIL		12"	104.80
H-2	#6	36'-8"	2	RAIL		12"	104.80
H-3	#6	26'-6"	4	HUBGD		10"	13.9
H-4	#6	4'-2"	34	HUBGD		6"	3.30
V-1	#4	6'-0"	400	WALLS		12"	19.84
W-1	#6	10'-5"	10	RET WALL		12"	161
W-2	#4	8'-0"	10	WALL		12"	53
W-3	#6	12'-8"	3	WALL		12"	92
W-4	#6	11'-6"	6	WALL		12"	104
W-5	#4	11'-0"	2	WALL		12"	13
W-6	#4	10'-6"	6	WALL		12"	42
W-7	#6	5'-3"	61	WALL		12"	213

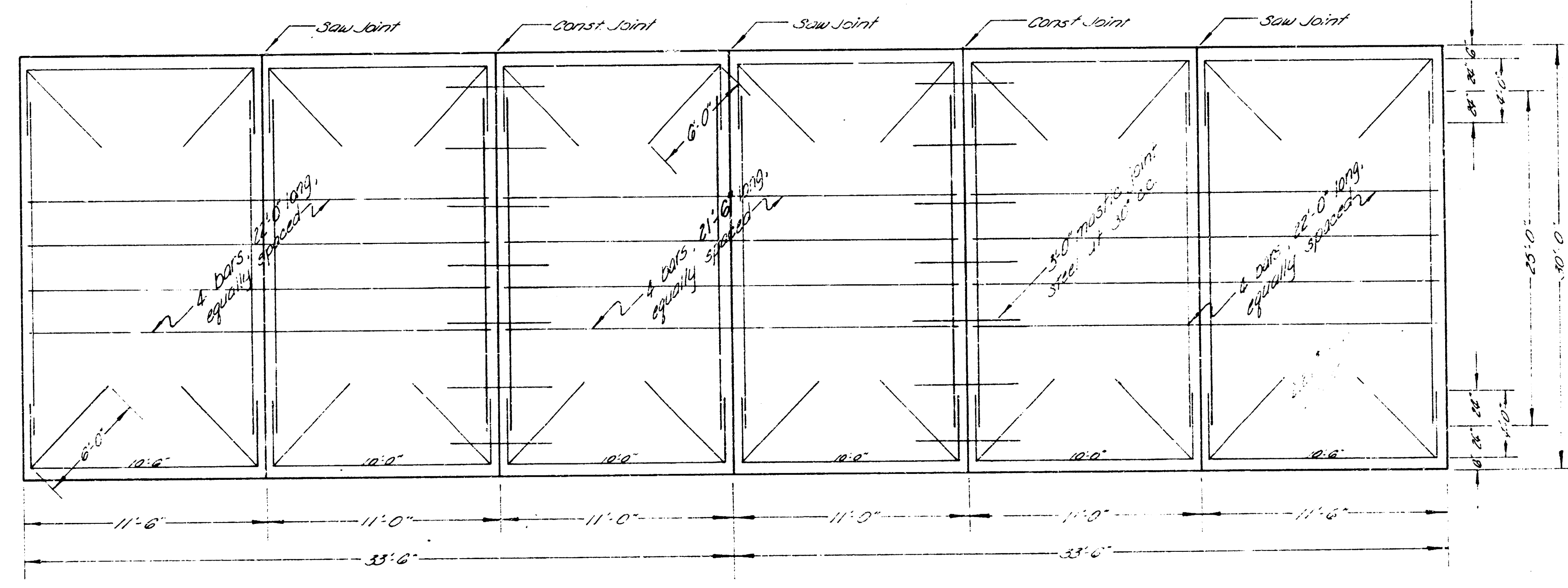
BILL OF MATERIALS		
1721	Cu Yds	Class A-AE Concrete
25387	Lbs	Reinforcing Steel
370	Lin Ft	Concrete Handrail
324	Cu Yds	Common Excavation
83	Cu Yds	Compacted Fill
15	Cu Yd	Hand Excavation
Removal:		Brick Pavement Rem.
		Concrete Sidewalk Rem
		Large Tree Removed
		Catch Basins Rem
		Lump Sum Remain Existing Structure

Removal Note:
All pavement, sidewalk, inlets, manholes, trees, structures, etc. to be removed by the contractor are to be included in the lump sum bid for removal of existing culvert.

CENTRAL AVE.
E.L. HILLSIDE TO E.L. RUTAN
C 11-10

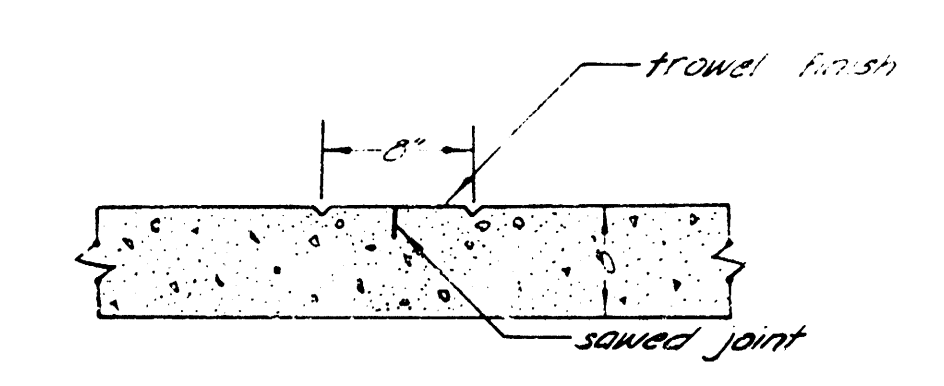


TYPICAL SECTION

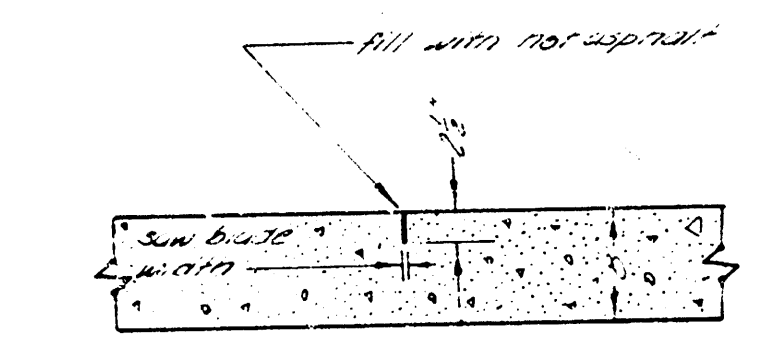


STEEL PATTERN

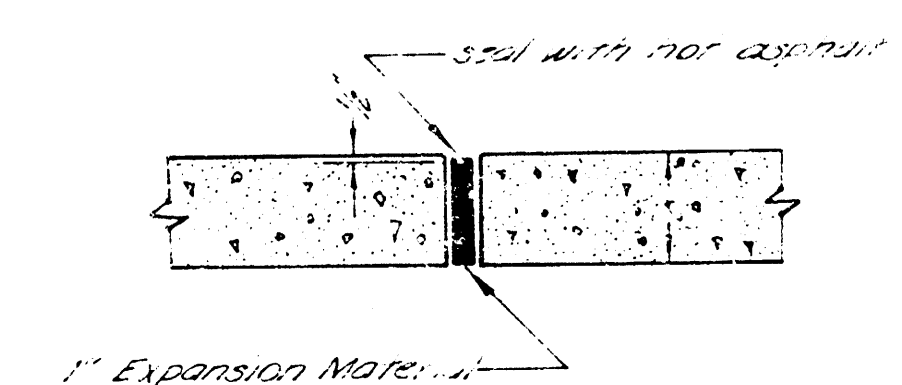
NOTE:
 All reinforcing steel shall consist of #6 bars except for master joint details. These details shall be #8 bars, with ends sawing along the master joint.



MARKER DETAIL
 Place full length of job



TRANSVERSE & LONGITUDINAL SAW JOINT DETAIL
 To be used at 30' intervals (transverse) except where expansion joints are used



EXPANSION JOINT
 To be used at 120' intervals

B.M. 14323 City Standard N.E. cor. Hillside & Central.
B.M. 14183 "D-cut in opp. walk @ H.O. #3306, N.E. cor. Rutan & Central.
B.M. 13720 S.W. cor. conc. rail wall to AAA office, 40' N. of E. Central.

Construction Note:
Remove all pavement, curb and gutter, walk, trees, pipes & etc. from within the 20' right-of-way. Broken concrete & brick pavement shall be disposed of in accordance with instructions of the city field engineer. Const. 66' concrete pavement (bk to bk cb) and 4.5' of 4" sidewalk on each side of pavement. Back of sidewalk to be set at 0.14 above top of curb. All driveways to be ramp type openings. Concrete culvert to be under a separate contract. Catch basins over culvert to be constructed by the city.

