

COLUMBIA

HOWARD COUNTY, MARYLAND

6th ELECTION DISTRICT

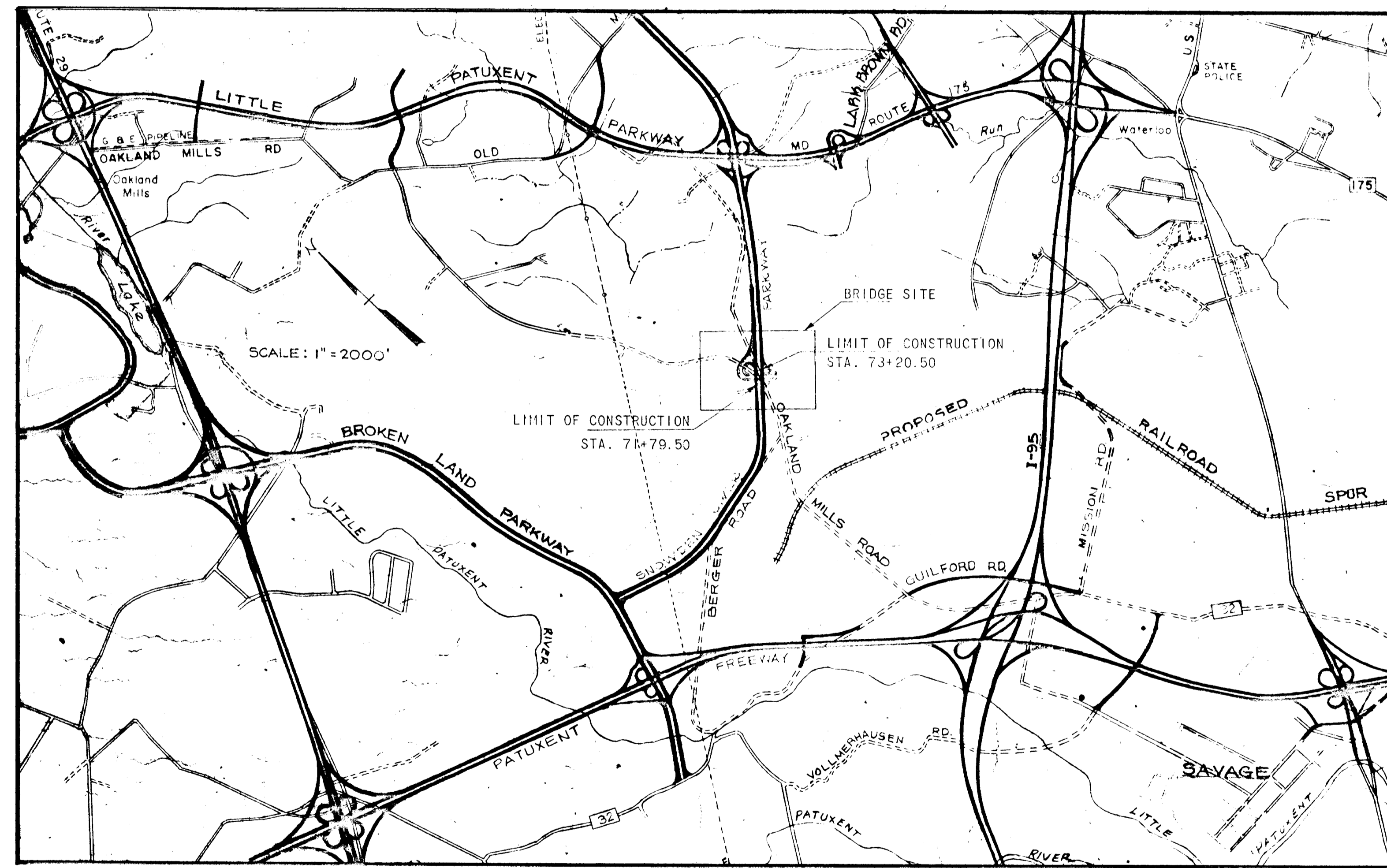
SNOWDEN RIVER PARKWAY

INTERCHANGE NO. 6

BRIDGE AT G.E. ENTRANCE

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	GENERAL PLAN AND ELEVATION
3	ABUTMENT NO. 1
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5	PIER PLAN
6	FRAMING PLAN
7	SUPERSTRUCTURE DETAILS
8	BEARING SHOE AND JOINT DETAILS
9	SUPERSTRUCTURE ELEVATIONS
10	RAILING DETAILS
11	SUBSURFACE DATA

SUMMARY OF QUANTITIES		
ITEM	UNIT	ESTIMATED QUANTITY
CONSTRUCTION STAKE-OUT	L.S.	L.S.
TEST PIT EXCAVATION	C.Y.	10
4" C.I.P. SLOPE PROTECTION	S.Y.	890
CLASS 13' EXCAVATION FOR STRUCTURES	C.Y.	950
FOOTING CONCRETE FOR INTERCHANGE NO. 6 BRIDGE AT G.E. ENTRANCE	C.Y.	275
SUBSTRUCTURE CONCRETE FOR INTERCHANGE NO. 6 BRIDGE AT G.E. ENTRANCE	L.S.	L.S.
SUPERSTRUCTURE CONCRETE FOR INTERCHANGE NO. 6 BRIDGE AT G.E. ENTRANCE	L.S.	L.S.
CLASS 10' CONCRETE SUBFOUNDATION	C.Y.	10
CONTINGENT CONCRETE FOR BRIDGES	C.Y.	10
FABRICATED STRUCTURAL STEEL FOR INTERCHANGE NO. 6 BRIDGE AT G.E. ENTRANCE	L.S.	L.S.
ALUMINUM RAILING ONE STRAND FOR INTERCHANGE NO. 6 BRIDGE AT G.E. ENTRANCE	L.S.	L.S.
SOLID SODDING	S.Y.	150



OWNER & DEVELOPER

THE HOWARD RESEARCH AND DEVELOPMENT CORP.
THE VILLAGE OF CROSS KEYS
BALTIMORE, MARYLAND

GREEN ASSOCIATES
CONSULTING ENGINEERS
BALTIMORE, MARYLAND

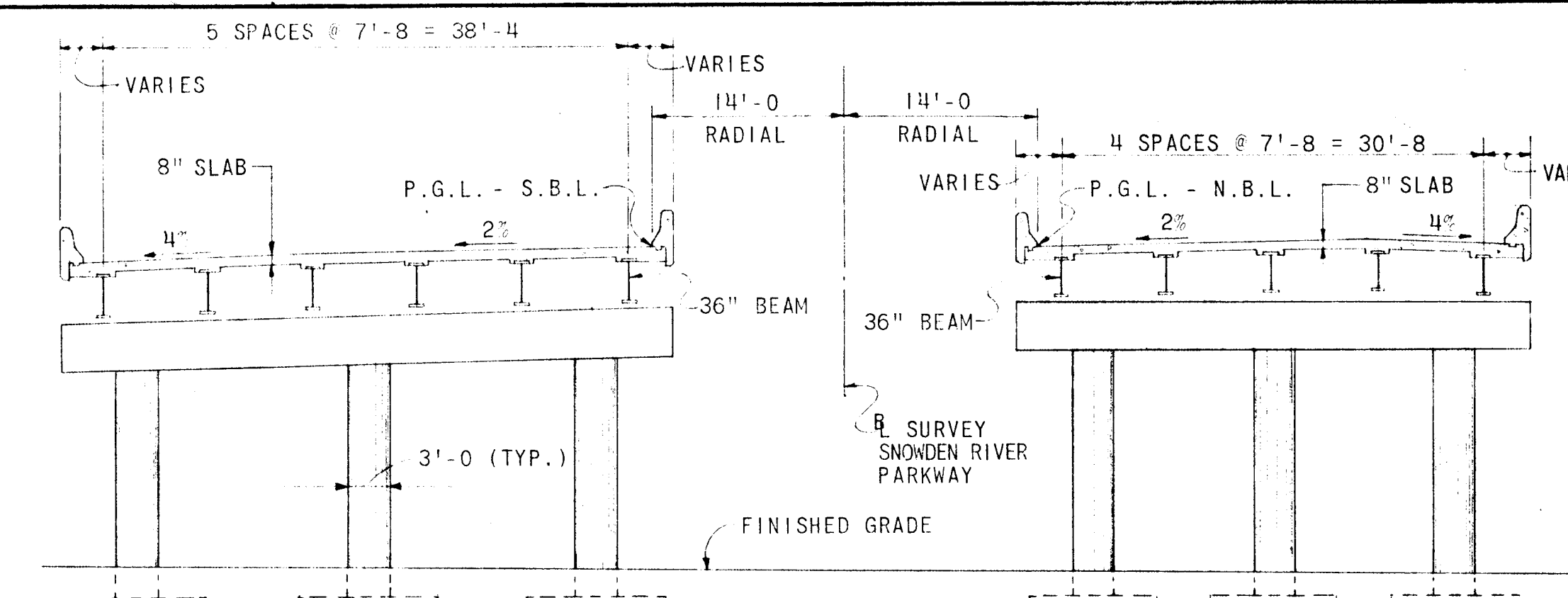
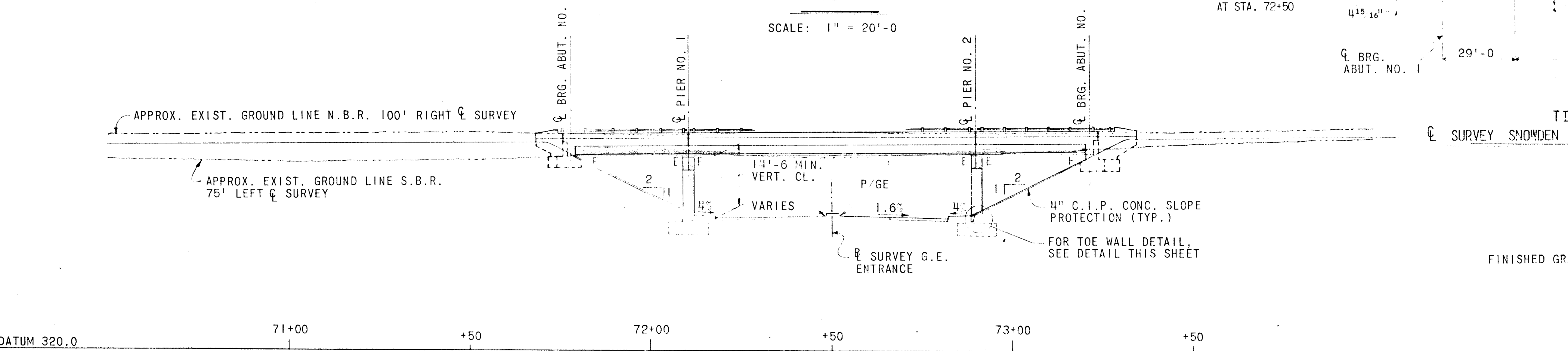
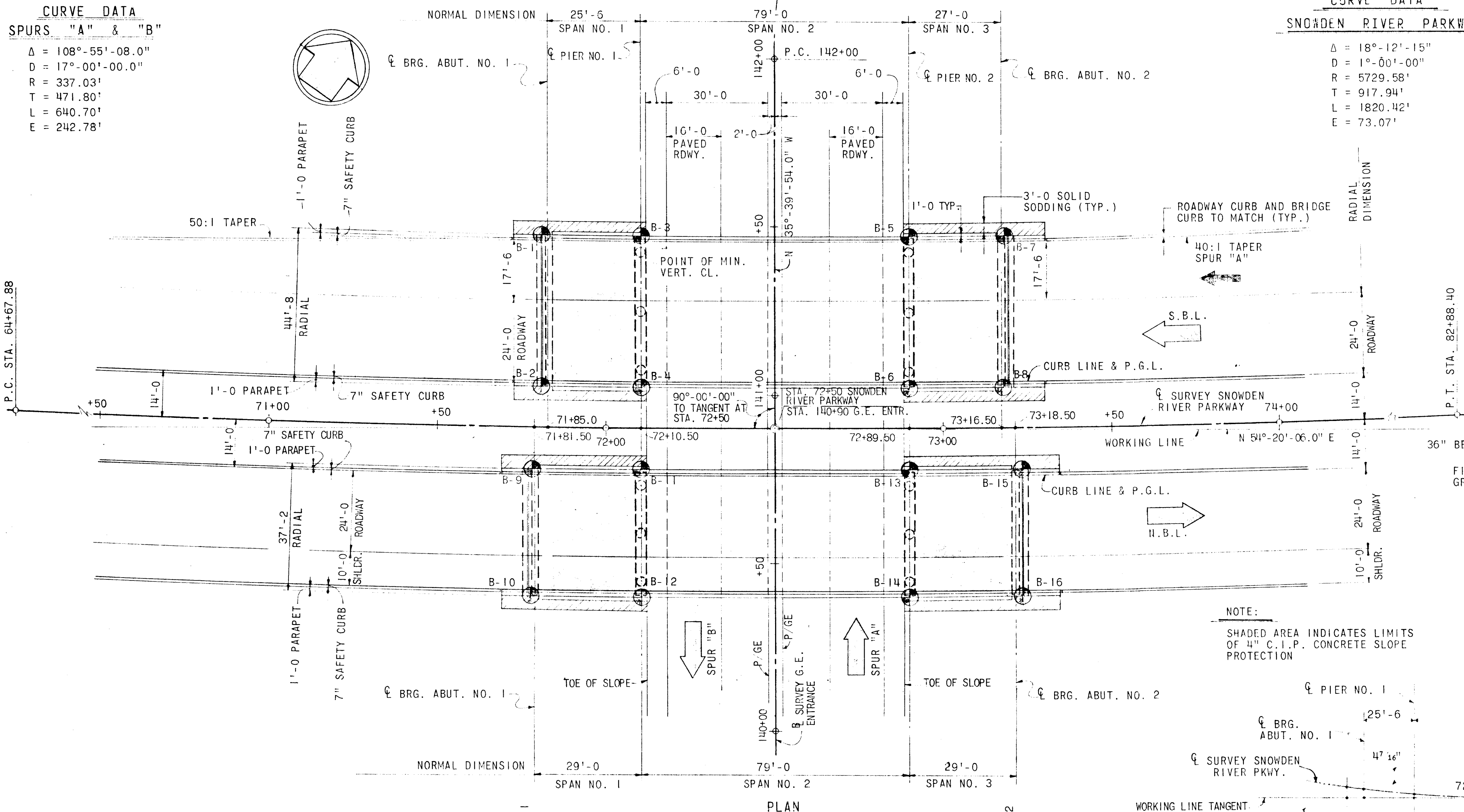
C1140E01

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT	
COUNTY HEALTH OFFICER	DATE
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING	
DIRECTOR	DATE
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS	
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
DIRECTOR	DATE

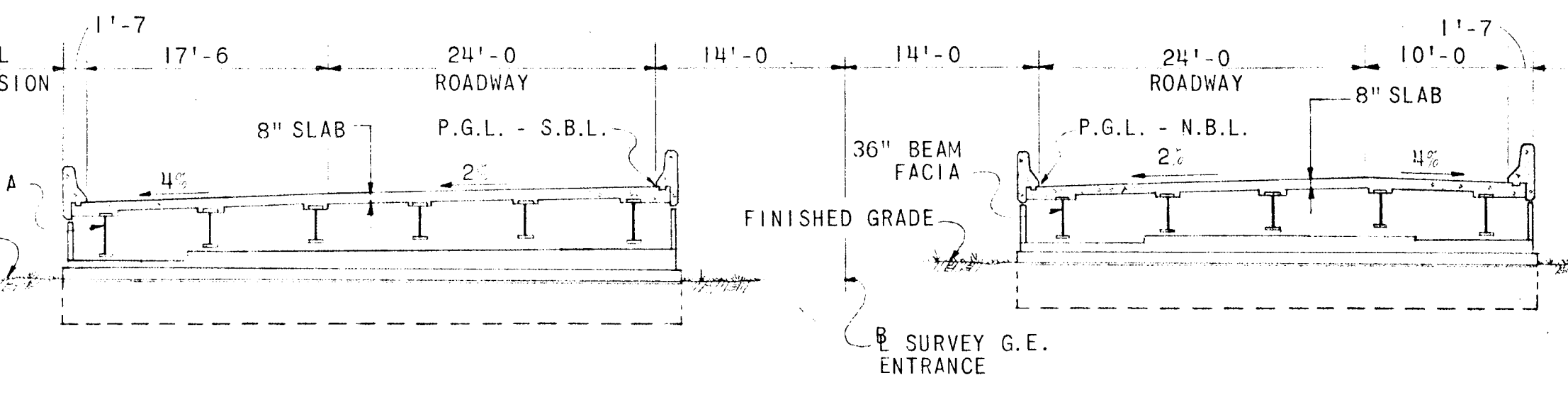
DEPARTMENT OF PUBLIC WORKS	DATE
CHIEF, BUREAU OF HIGHWAYS	DATE
OFFICE OF PLANNING AND ZONING	DATE
CHIEF ENGINEER, DIVISION OF LAND DEVELOPMENT	DATE

CURVE DATA
 SPURS "A" & "B"
 $\Delta = 108^{\circ}55'10.0"$
 $D = 17^{\circ}00'00.0"$
 $R = 337.03'$
 $T = 471.80'$
 $L = 640.70'$
 $E = 242.78'$

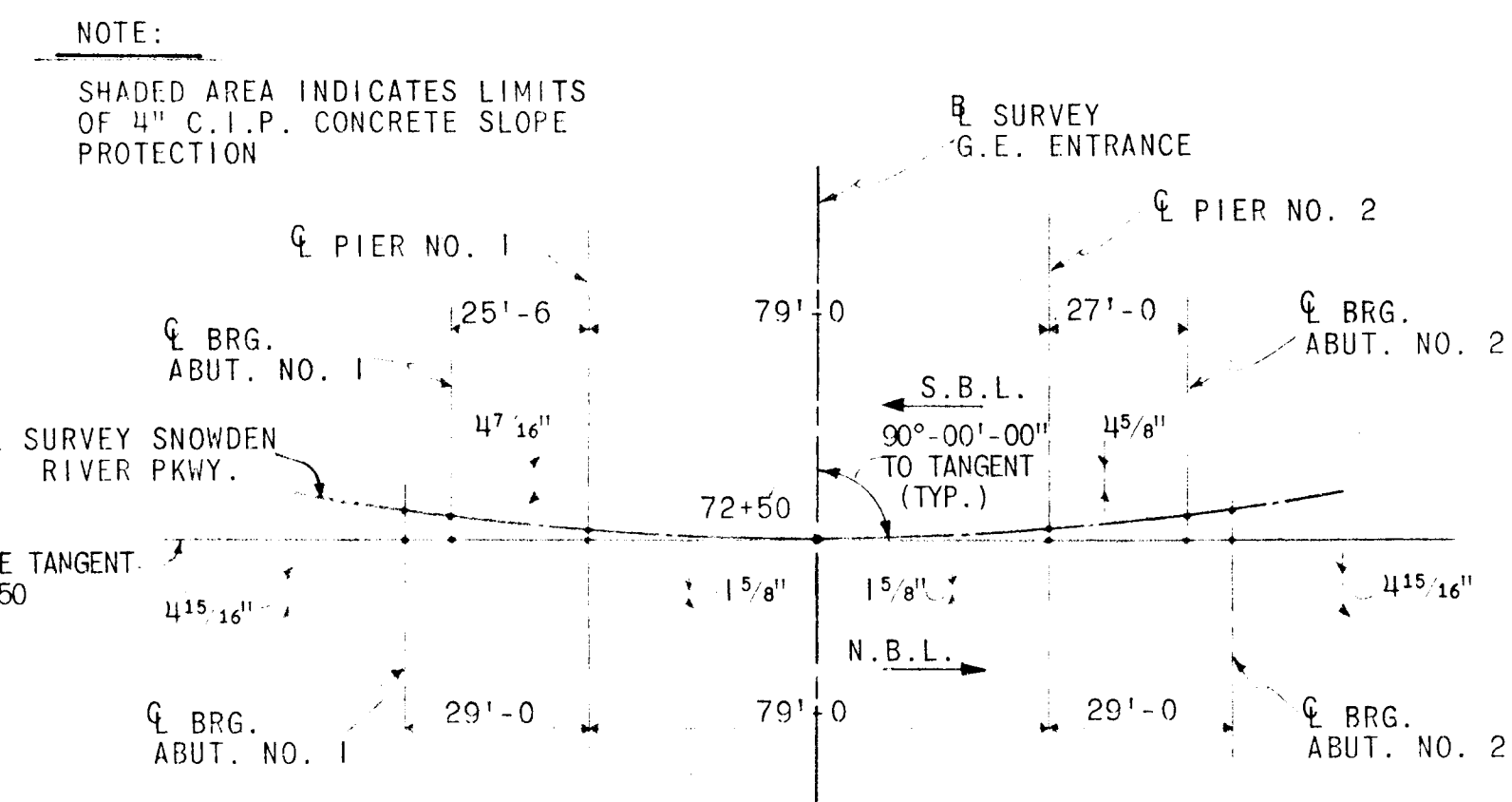
CURVE DATA
 SNOWDEN RIVER PARKWAY
 $\Delta = 18^{\circ}12'15"$
 $D = 1^{\circ}00'00"$
 $R = 5729.58'$
 $T = 917.94'$
 $L = 1820.42'$
 $E = 73.07'$



TYPICAL SECTION AT PIERS
 SCALE: 1" = 10'-0"



TYPICAL SECTION AT ABUTMENTS
 SCALE: 1" = 10'-0"



TIE DIMENSION
 NO SCALE

GENERAL NOTES

SPECIFICATIONS:
 M.S.R.C. SPECIFICATIONS DATED MARCH, 1968 AND SPECIAL PROVISIONS FOR MATERIALS AND CONSTRUCTION. "A.A.S.H.O. STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES", DATED 1965, AND THE "INTERIM SPECIFICATIONS", DATED 1966 AND 1967 FOR REINFORCED CONCRETE DESIGN, $F_c = 1200$ LBS./SQ. IN., EXCEPT THAT THE CONCRETE IN BRIDGE DECK SLABS SUPPORTED BY STEEL BEAMS HAS AN $F_c = 1050$ LBS./SQ. IN.

LOADING:
 HS 20-44 WITH PROVISION FOR FUTURE 2" WEARING SURFACE.

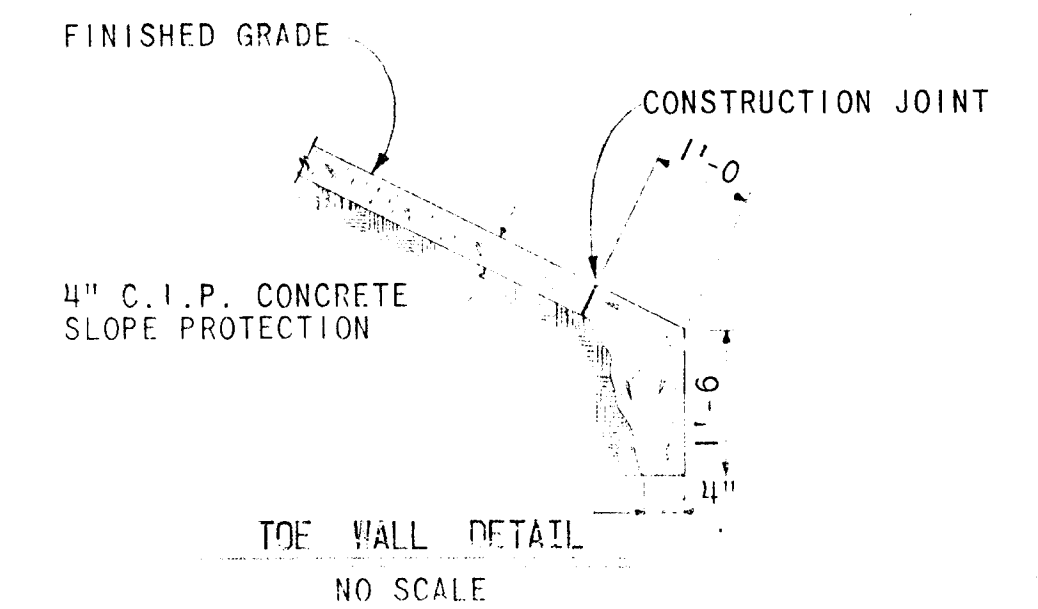
CONCRETE:
 "CLASS A-1 CONCRETE", CONTAINING AN APPROVED RETARDING ADMIXTURE.

CHAMFER:
 ALL EXPOSED CORNERS OF CONCRETE SHALL BE CHAMFERED 3/4" x 3/4" WITH MILLED CHAMFER STRIPS, EXCEPT WHERE INDICATED BY THE FOLLOWING NOTATION ON THE PLANS "DO NOT CHAMFER."

REINFORCING STEEL:
 REINFORCING STEEL SHALL BE ASTM-A615, GRADE 40. ALL SPLICES SHALL BE LAPPED A MINIMUM OF 24 BAR DIAMETERS UNLESS OTHERWISE NOTED. MINIMUM COVER FOR ANY BAR SHALL BE 2" UNLESS OTHERWISE NOTED.

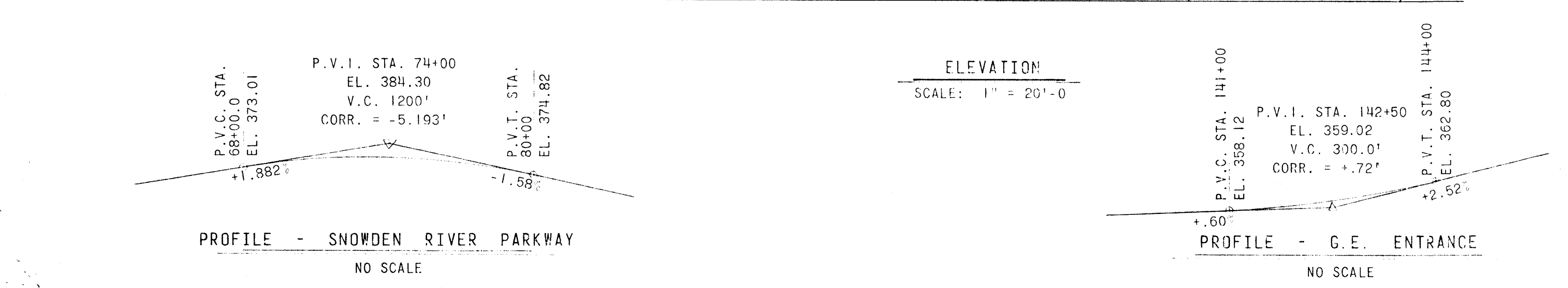
STRUCTURAL STEEL:
 STRUCTURAL STEEL SHALL BE A.S.T.M. DESIGNATION A-36. SEE SPECIAL PROVISIONS.

EXCAVATION:
 SEE SPECIAL PROVISIONS.



TOE WALL DETAIL
 NO SCALE

APPROVED
 1/23/71



PROFILE - SNOWDEN RIVER PARKWAY
 NO SCALE

GREEN ASSOCIATES, INC.
 CONSULTING ENGINEERS
 BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS
 CHIEF, BUREAU OF HIGHWAYS
 OFFICE OF PLANNING AND ZONING
 CHIEF ENGINEER, DIVISION OF LAND DEVELOPMENT

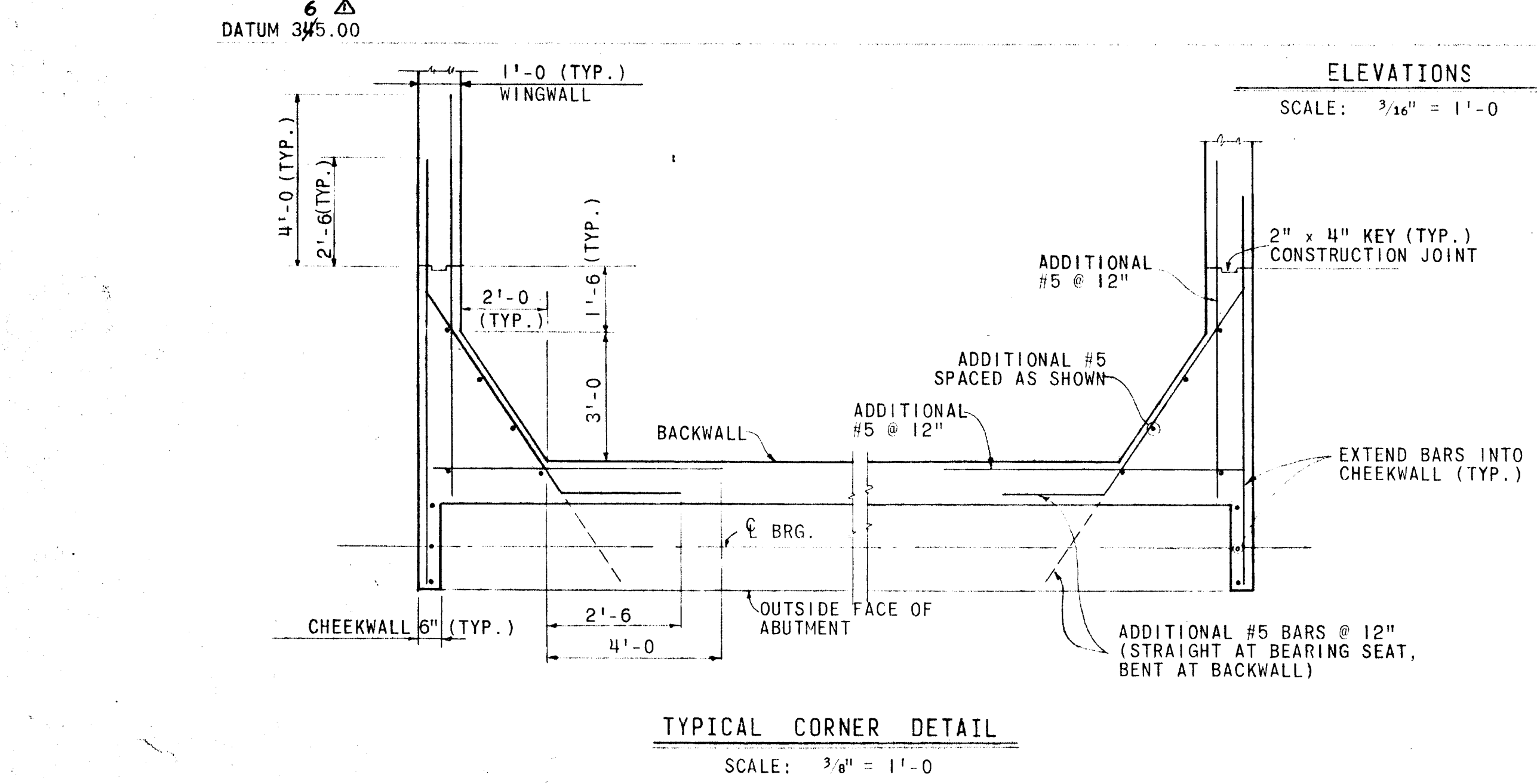
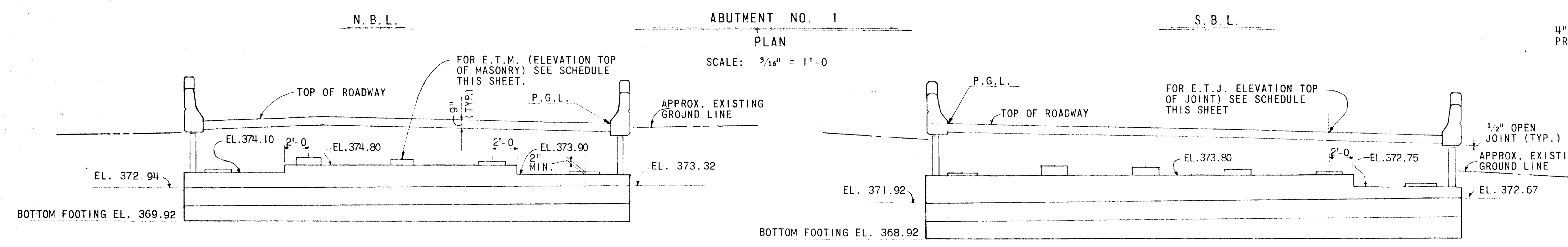
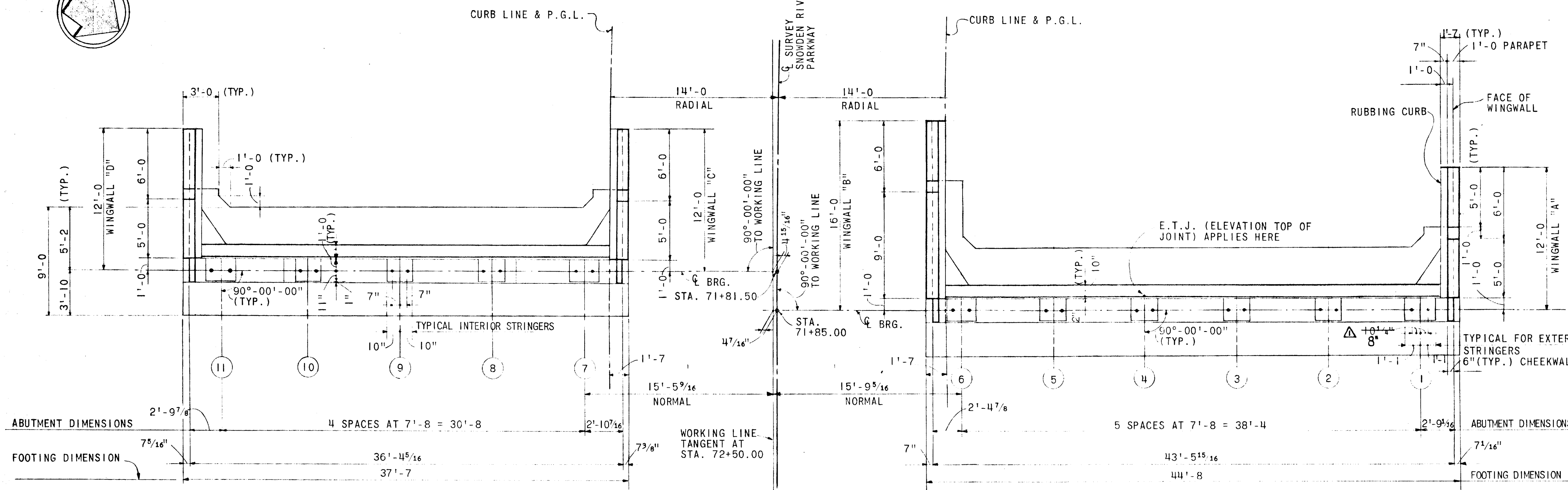
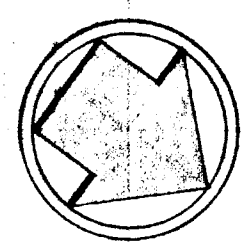
Rev Date	Rev No	Revision Description

COLUMBIA
 MARYLAND
 6TH ELECTION DISTRICT HOWARD COUNTY
 HOWARD RESEARCH AND DEVELOPMENT CORP.
 THE VILLAGE OF CROSS KEYS - BALTIMORE, MARYLAND 21210

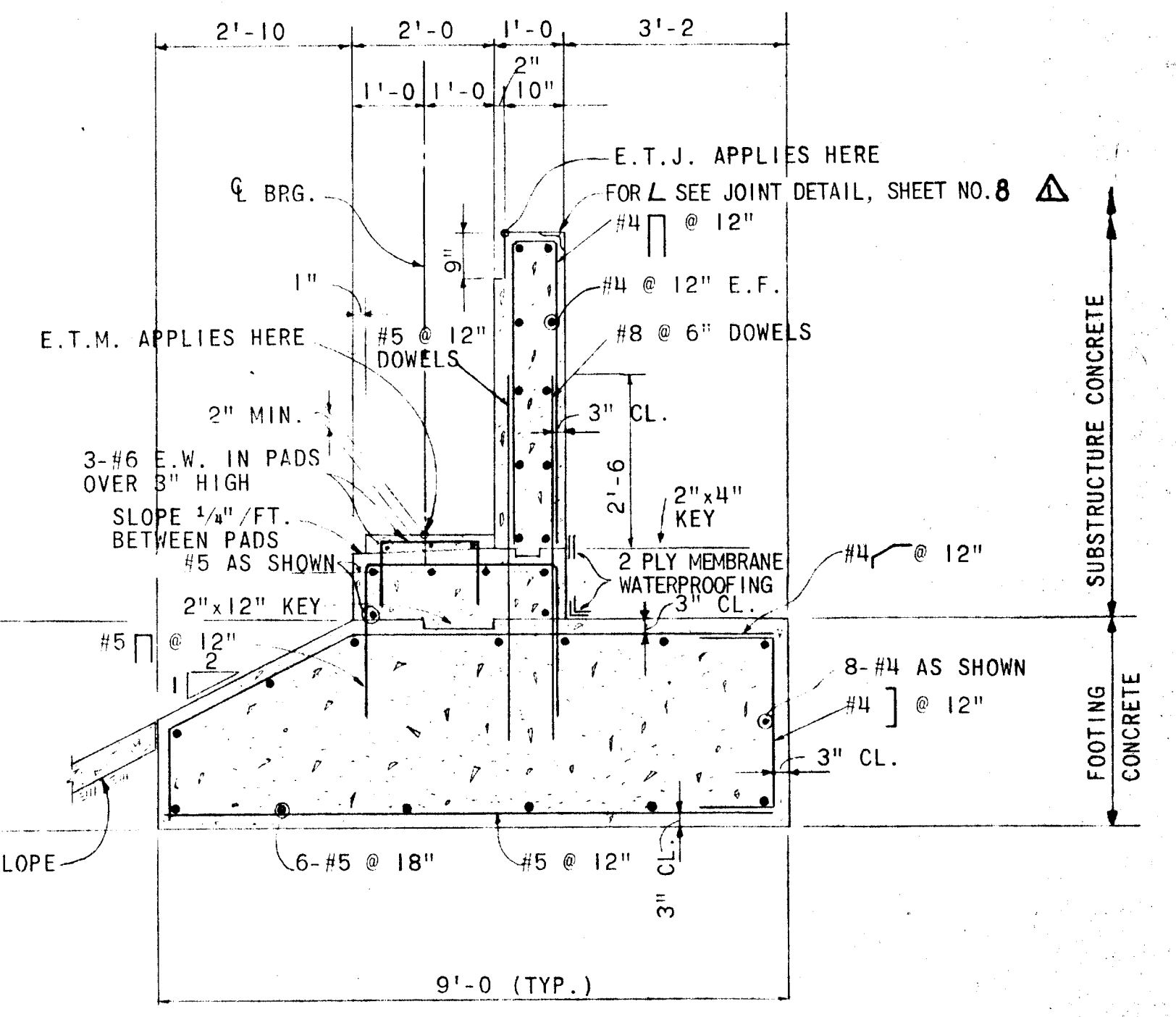
PROJECT AREA: E.G.U. SUBDIVISION SECTION 1 AREA 3

PROJECT TITLE: SNOWDEN RIVER PARKWAY INTERCHANGE NO. 6 - BRIDGE AT G.E. ENTRANCE GENERAL PLAN AND ELEVATION

Des By: L.J.W. Date: AS NOTED
 Dwn By: M.V.B.H.A.S. Date: DEC., 1969
 Ck By: L.J.W. Approved



- NOTES:
- SPACE ALL REINFORCING BARS TO CLEAR ANCHOR BOLTS.
 - FRONT FACE OF BACKWALL AND THE ENTIRE SURFACE OF THE ABUTMENT SEAT TO BE COATED WITH EPOXY COMPOUND. SEE SPECIAL PROVISIONS.
 - BACKWALL TO BE POURED AFTER DECK CONCRETE IS PLACED.



TYPICAL SECTION THRU ABUTMENT
SCALE: 1/2" = 1'-0"

- NOTES:
- FOR GENERAL NOTES, SEE SHEET NO. 2.
 - FOR WINGWALL DETAIL, SEE SHEET NO. 4.
 - BEARING SHOES AND JOINT DETAIL, SEE SHEET NO. 8.
 - MAX. SOIL PRESSURE 2.94 KIPS/SQ. FT.
 - FOR SUBSURFACE DATA, SEE SHEET NO. 10.

- NOTES:
- FOR NORMAL REINFORCING AT ABUTMENT, SEE DETAIL THIS SHEET.
 - FOR WINGWALL REINFORCING, SEE DETAIL SHEET NO. 4.
 - WINGWALLS TO BE BUILT PARALLEL TO SURVEY SNOWDEN RIVER PARKWAY.
 - ALL STRINGERS TO BE PLACED PARALLEL TO WORKING LINE.

ELEVATION SCHEDULE

ABUTMENT NO. 1			
LOCATION	E.T.M.	E.T.J.	
S.B.L.	1	372.96	376.99
	2	374.03	377.30
	3	374.33	377.61
	4	374.50	377.77
	5	374.65	377.92
	6	374.64	378.08
N.B.L.	7	374.69	378.12
	8	374.99	378.23
	9	375.14	378.43
	10	375.25	378.53
	11	374.22	378.22

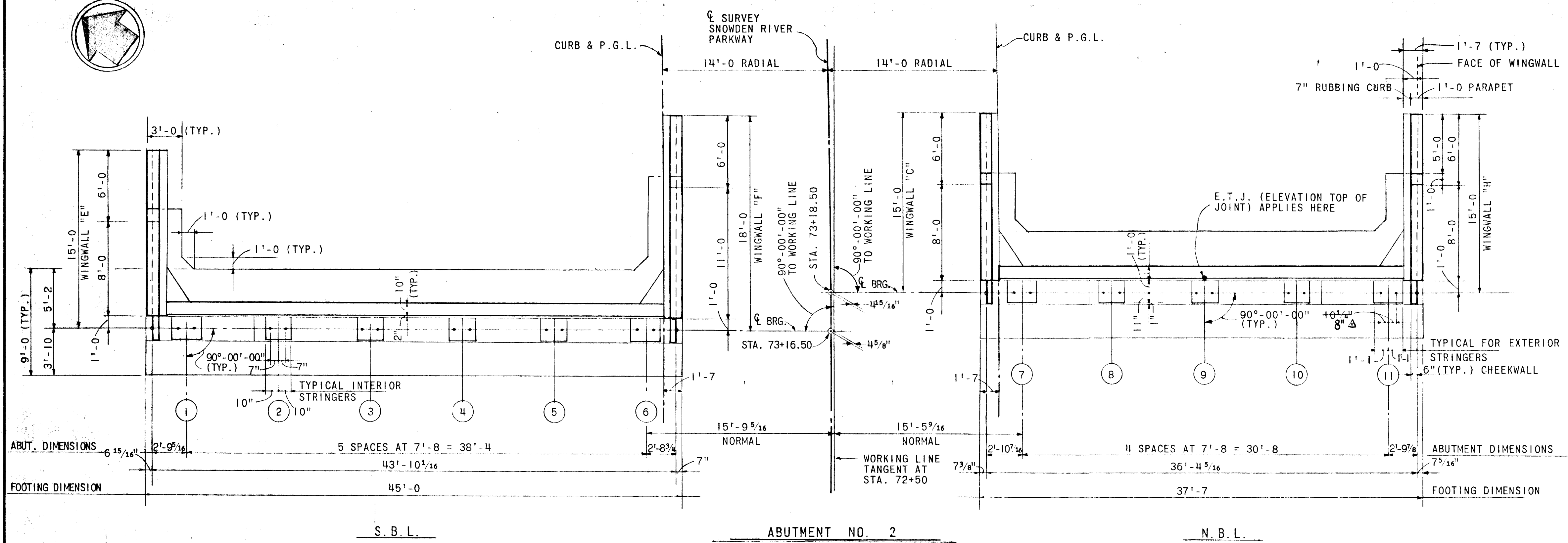
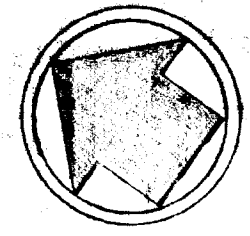
APPROVAL
OFFICE OF PLANNING AND ZONING
DATE 12/12/71

1/20/70	REVISED DIM., ELEV. SCHED. & ADDED SH. NO.
Rev Date	Rev No
Revision Description	
COLUMBIA	
M A R Y L A N D	
6TH ELECTION DISTRICT HOWARD COUNTY	
OWNER AND DEVELOPER	
HOWARD RESEARCH AND DEVELOPMENT CORP.	
THE VILLAGE OF CROSS KEYS - BALTIMORE, MARYLAND 21210	
PROJECT AREA	E.G.U. SUBDIVISION
	SECTION 4 AREA 3
PROJECT TITLE	SNOWDEN RIVER PARKWAY
	INTERCHANGE NO. 6 - BRIDGE AT G.E. ENTRANCE
	ABUTMENT NO. 1
Des By L.J.W.	Scale AS NOTED
Dwn By M.V.B.&D.H.R.	Date DEC., 1969
Chk By L.J.W.	Approved
Dwg. No 3 OF 11	C.C.F. No

GREEN ASSOCIATES, INC.
CONSULTING ENGINEERS
BALTIMORE, MARYLAND

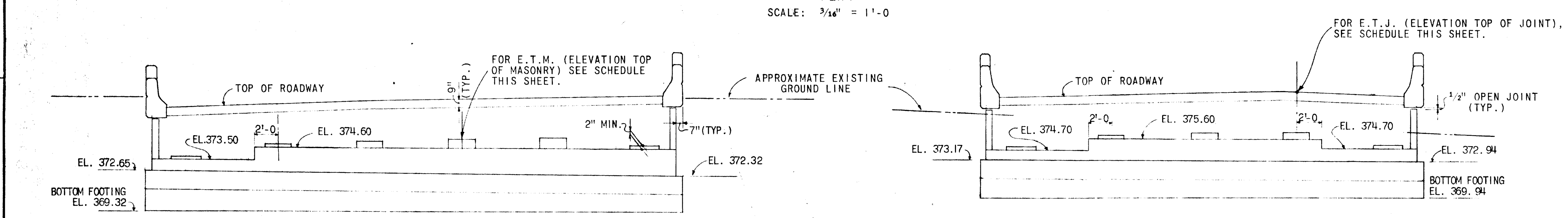
DEPARTMENT OF PUBLIC WORKS
Baltimore, Md. 12/12/70
CHIEF, BUREAU OF HIGHWAYS

OFFICE OF PLANNING AND ZONING
CHIEF ENGINEER, DIVISION OF LAND DEVELOPMENT



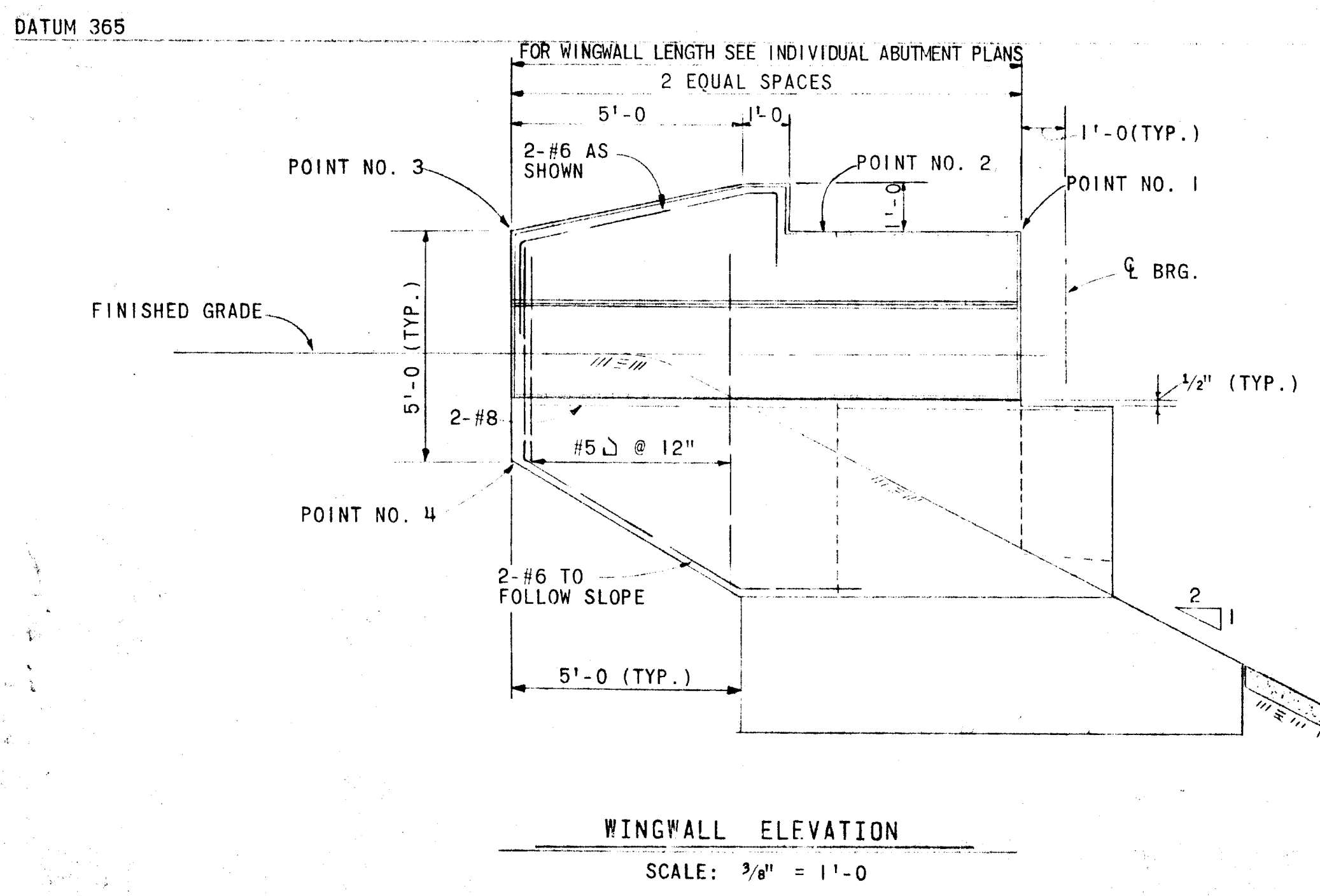
ELEVATION SCHEDULE		
ABUTMENT NO. 2		
LOCATION	E.T.M.	E.T.J.
S.B.L. 1	373.7976	377.77
S.B.L. 2	374.80	378.08
S.B.L. 3	375.11	378.39
S.B.L. 4	375.27	378.55
S.B.L. 5	375.42	378.70
S.B.L. 6	374.8184	378.85
N.B.L. 7	374.8891	378.93
N.B.L. 8	375.7779	379.08
N.B.L. 9	375.94	379.23
N.B.L. 10	376.04	379.33
N.B.L. 11	374.99	379.03
		376.02 Δ

- NOTES:
- SPACE ALL REINFORCING BARS TO CLEAR ANCHOR BOLTS.
 - FRONT FACE OF BACKWALL AND THE ENTIRE SURFACE OF THE ABUTMENT SEAT TO BE COATED WITH EPOXY COMPOUND. SEE SPECIAL PROVISIONS.
 - BACKWALL TO BE POURED AFTER DECK CONCRETE IS PLACED.
 - WINGWALLS TO BE BUILT PARALLEL TO SURVEY SNOWDEN RIVER PARKWAY.
 - ALL STRINGERS TO BE PLACED PARALLEL TO WORKING LINE.

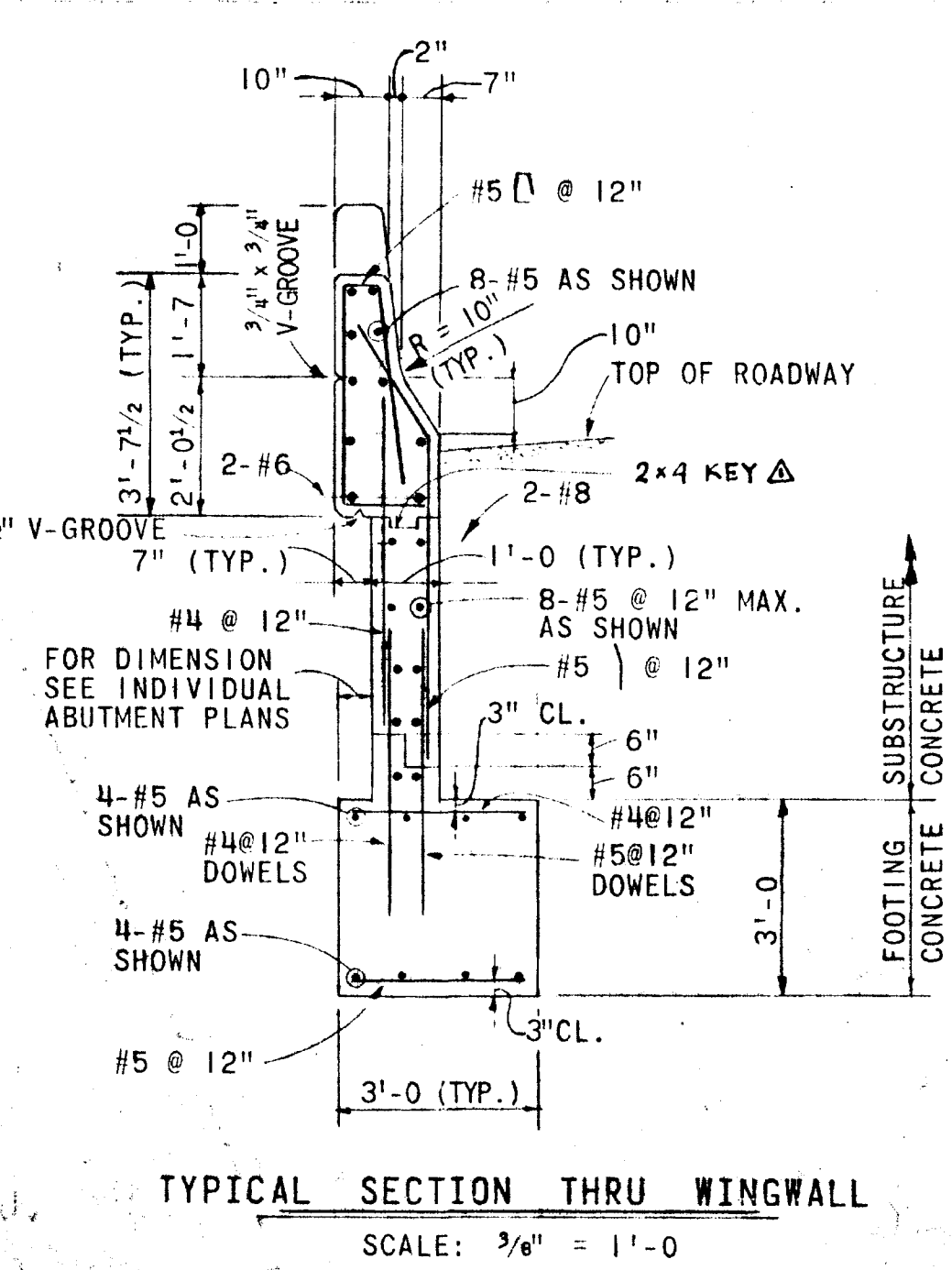


APPROVED
 COUNTY ENGINEER
 DATE 11/22/71
 J. K. P.

- NOTES:
- FOR GENERAL NOTES, SEE SHEET NO. 2.
 - FOR TYPICAL SECTION THRU ABUTMENT, SEE SHEET NO. 3.
 - FOR BEARING SHOES AND JOINT DETAIL, SEE SHEET NO. 8.
 - FOR CORNER DETAIL, SEE SHEET NO. 3.
 - MAX. SOIL PRESSURE 2.94 KIPS/SQ. FT.
 - FOR RAIL POST SPACING, SEE SHEET NO. 6.
 - FOR SUBSURFACE DATA, SEE SHEET NO. 10.



ELEVATIONS
 SCALE: 3/8" = 1'-0"



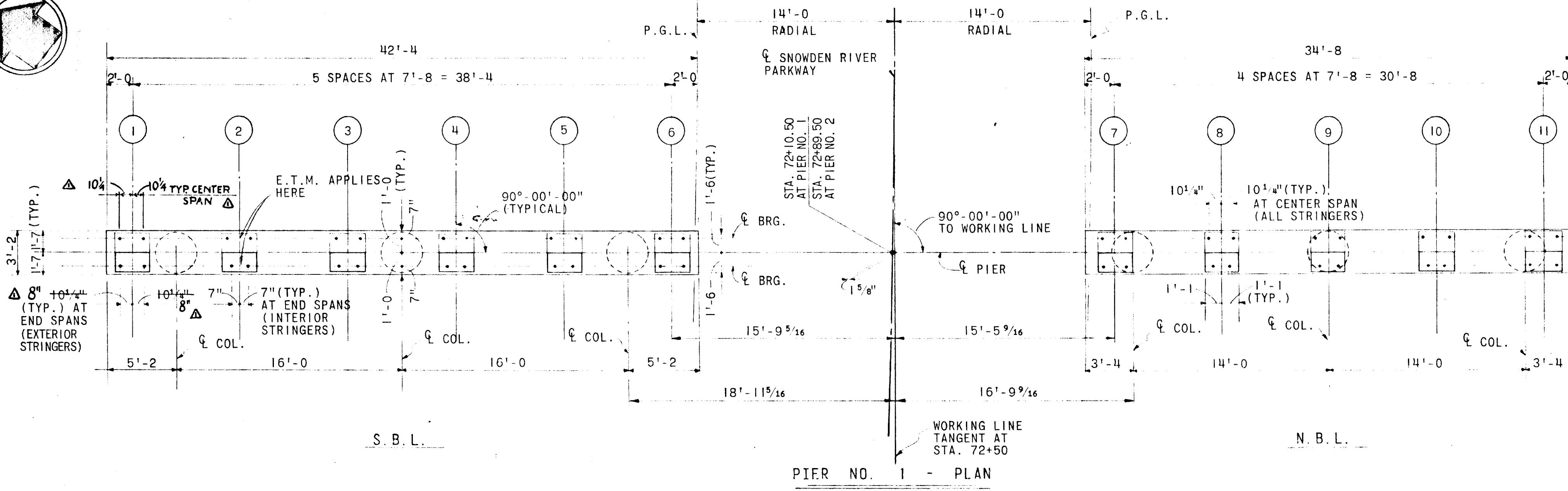
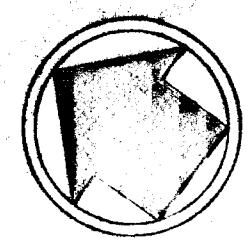
TYPICAL SECTION THRU WINGWALL
 SCALE: 3/8" = 1'-0"

WINGWALL ELEVATION SCHEDULE				
LOCATION	POINT #1	POINT #2	POINT #3	POINT #4
ABUT. #1 WINGWALL "A"	379.59	--	379.50	374.50
S.B.L. WINGWALL "B"	380.77	380.71	380.65	375.65
ABUT. #1 WINGWALL "C"	380.75	--	380.66	375.66
N.B.L. WINGWALL "D"	380.83	--	380.75	375.75
ABUT. #2 WINGWALL "E"	380.37	380.40	380.42	375.40
S.B.L. WINGWALL "F"	381.56	381.58	381.61	376.60
ABUT. #2 WINGWALL "G"	381.56	381.58	381.61	376.60
N.B.L. WINGWALL "H"	381.64	381.66	381.69	376.70

GREEN ASSOCIATES, INC.
 CONSULTING ENGINEERS
 BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS
Dennise M. Weiland 12/8/71
 CHIEF, BUREAU OF HIGHWAYS DATE
 OFFICE OF PLANNING AND ZONING
 CHIEF ENGINEER, DIVISION OF LAND DEVELOPMENT DATE

1/20/70	Δ	REV. DIM. ELEV. SCHED ADDED KEY
Rev Date	Rev No	Revision Description
COLUMBIA		
M A R Y L A N D		
6TH ELECTION DISTRICT - HOWARD COUNTY		
OWNER AND DEVELOPER		
HOWARD RESEARCH AND DEVELOPMENT CORP.		
THE VILLAGE OF CROSS KEYS - BALTIMORE, MARYLAND 21210		
PROJECT AREA	E.G.U. SUBDIVISION	
	SECTION 1 AREA 3	
PROJECT TITLE	SNOWDEN RIVER PARKWAY	
	INTERCHANGE NO. 6 - BRIDGE AT G.E. ENTRANCE	
	ABUTMENT NO. 2	
Des By	L. J. W.	Scale AS NOTED Dwg. No. 11 OF 11
Drn By	M. V. B. & D. M. R.	Date DEC., 1969 C.C.F. No.
Chk By	L. J. W.	Approved

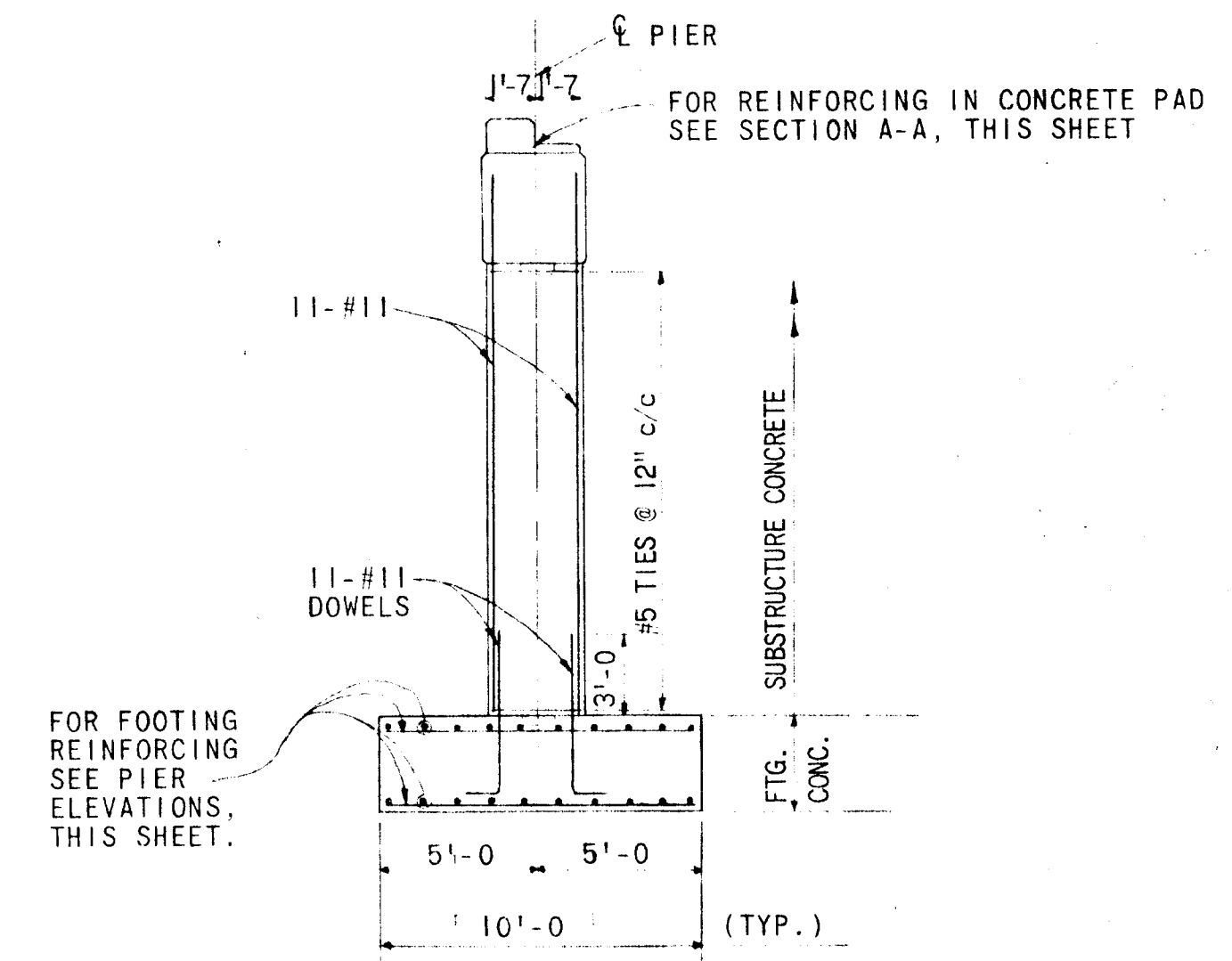
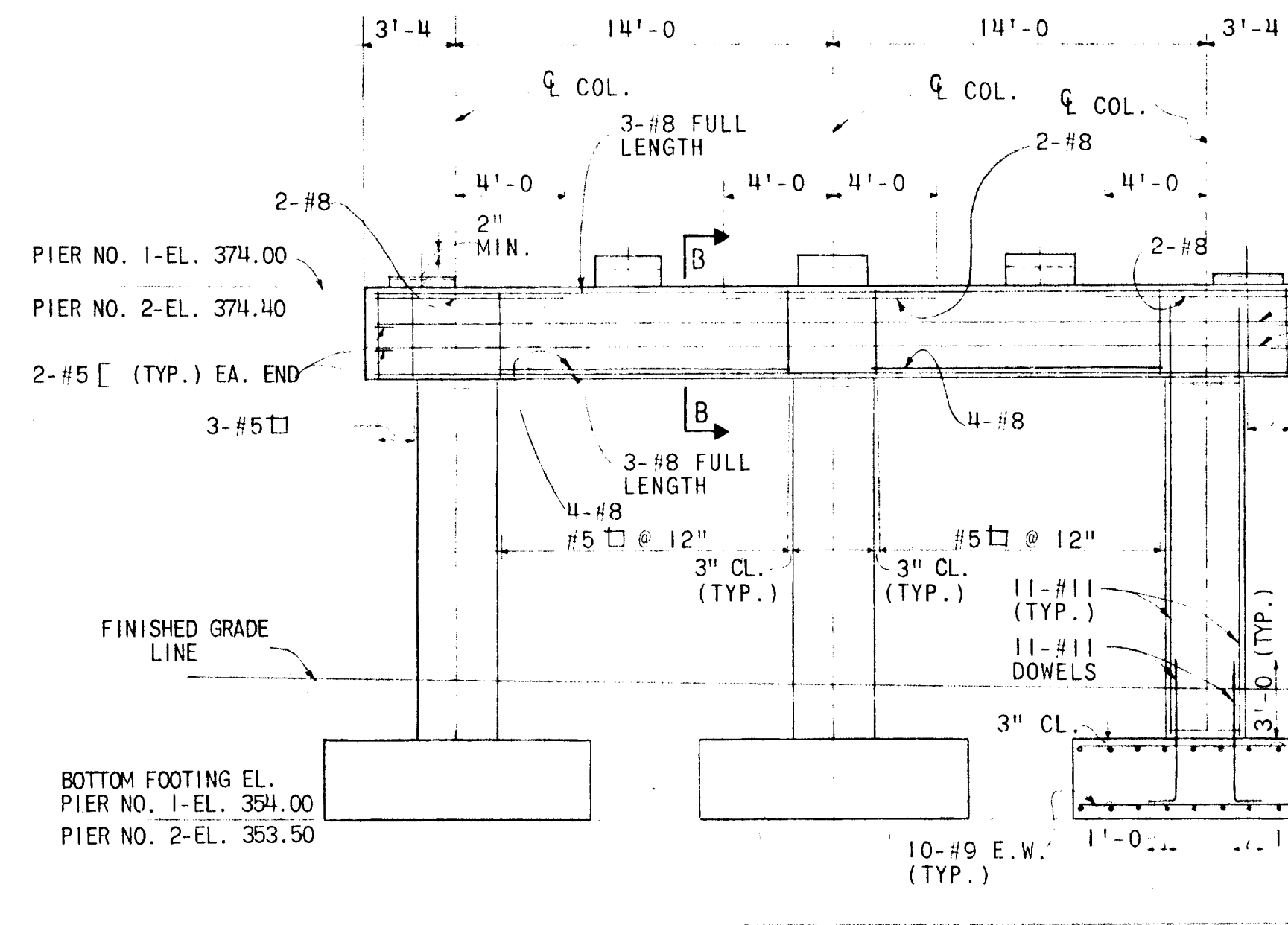
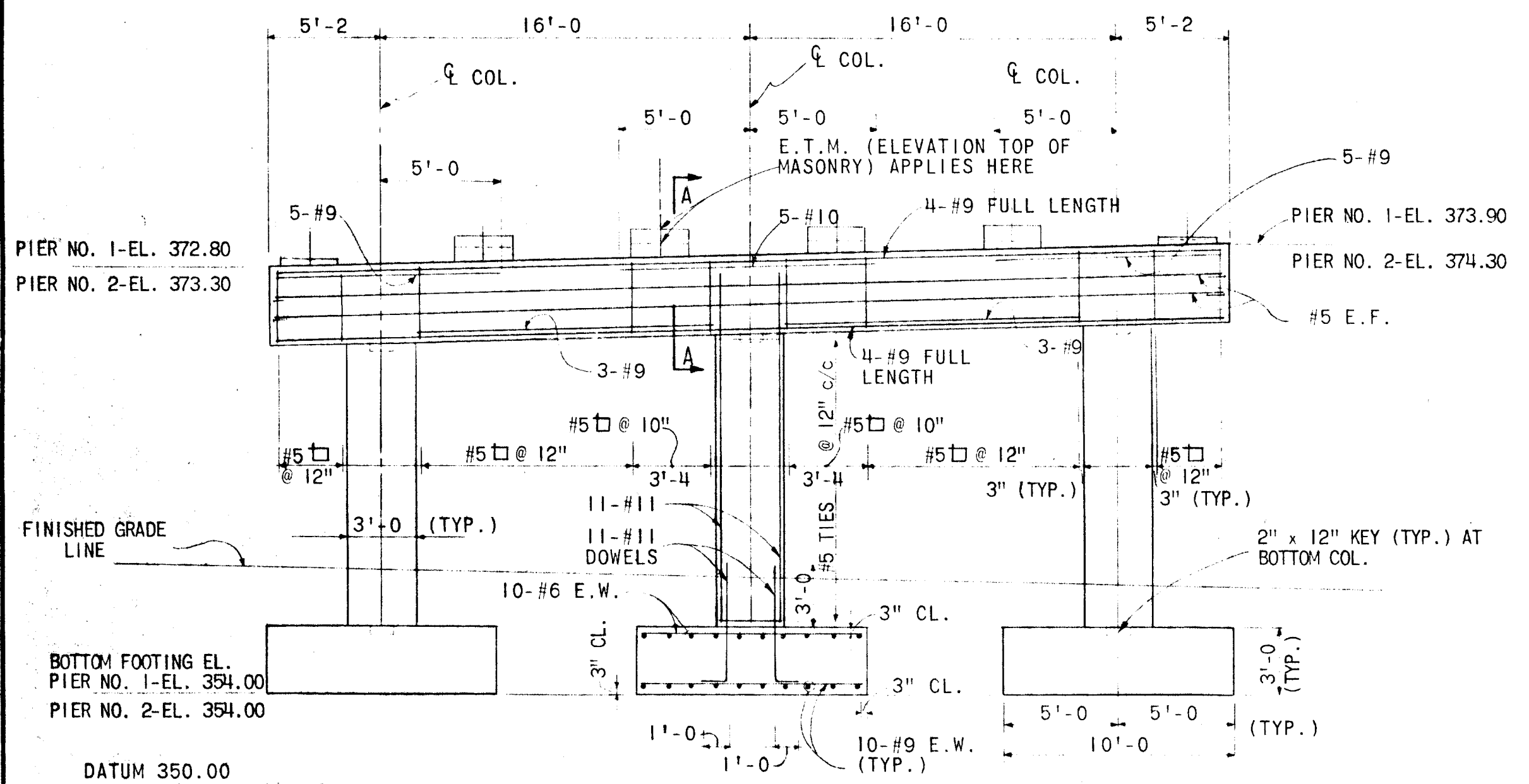


NOTES:

- SPACE ALL REINFORCING TO CLEAR ANCHOR BOLTS.
- CONCRETE PADS AND ENTIRE TOP SURFACE OF THE CAP TO BE COATED WITH EPOXY COMPOUND. SEE SPECIAL PROVISIONS.

PIER ELEVATION SCHEDULE						
STR. NO.	PIER NO. 1			PIER NO. 2		
	E.T.M.	E.T.R.	E.T.M.	E.T.M.	E.T.R.	E.T.M.
1	373.43	377.18	373.05	373.51	377.65	373.64
2	374.20	377.49	373.41	373.86	377.95	374.68
3	374.51	377.80	373.89	374.17	378.26	374.98
4	374.67	377.96	373.89	374.34	378.43	375.15
5	374.83	378.12	374.04	374.49	378.58	375.30
6	374.22	378.27	374.14	374.59	378.73	374.69
7	374.22	378.34	374.21	374.66	378.80	374.76
8	375.19	378.49	374.41	374.86	378.95	375.66
9	375.34	378.64	374.57	375.01	379.10	375.81
10	375.46	378.76	374.68	375.13	379.22	375.93
11	374.44	378.45	374.33	374.78	378.91	374.87

NOTE: E.T.R. (ELEVATION TOP OF ROADWAY) APPLIES AT INTERSECTED POINTS (PIER AND PROPER STRINGER)
374.57 Δ

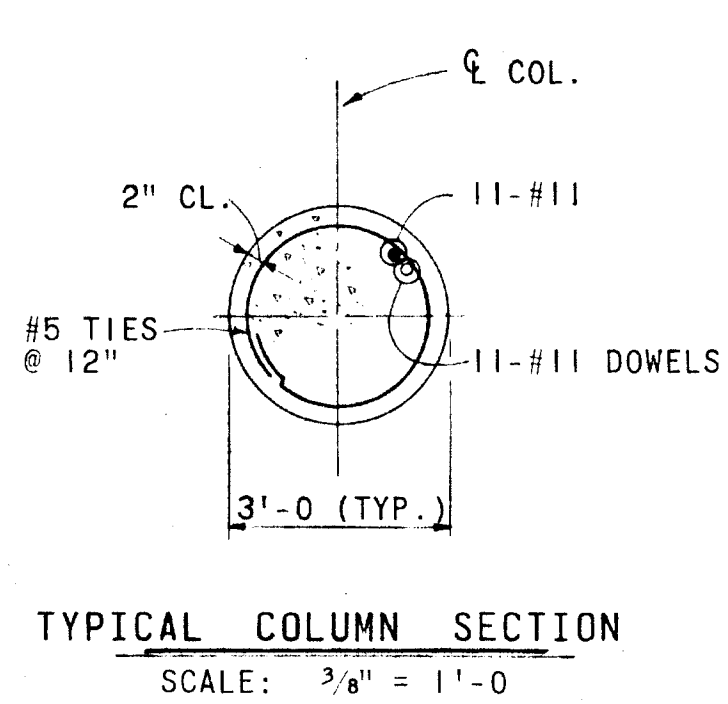


APPROVED
OFFICE OF PLANNING AND ZONING
AND ENGINEERING OF
HOWARD COUNTY
DATE 1/22/71
J. H. H.

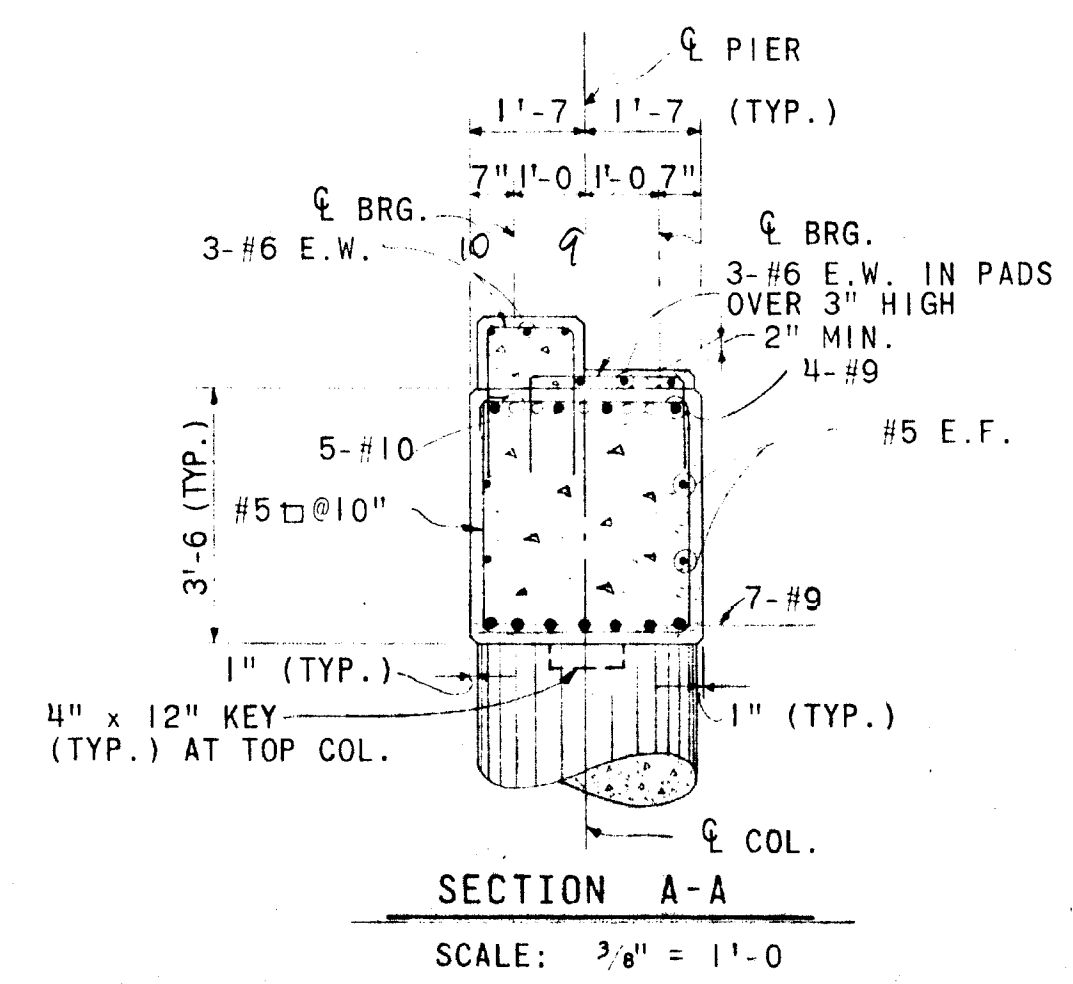
- NOTES:**
- FOR GENERAL NOTES, SEE SHEET NO. 2
 - MAX. SOIL PRESSURE 4.90 KIPS/SQ. FT.
 - FOR FRAMING PLAN, SEE SHEET NO. 6
 - FOR BEARING SHOES AND JOINT DETAIL, SEE SHEET NO. 8
 - FOR SUBSURFACE DATA, SEE SHEET NO. 10.

PIER NO. 1 - ELEVATION (PIER NO. 2 SIMILAR)
SCALE: 3/16" = 1'-0"

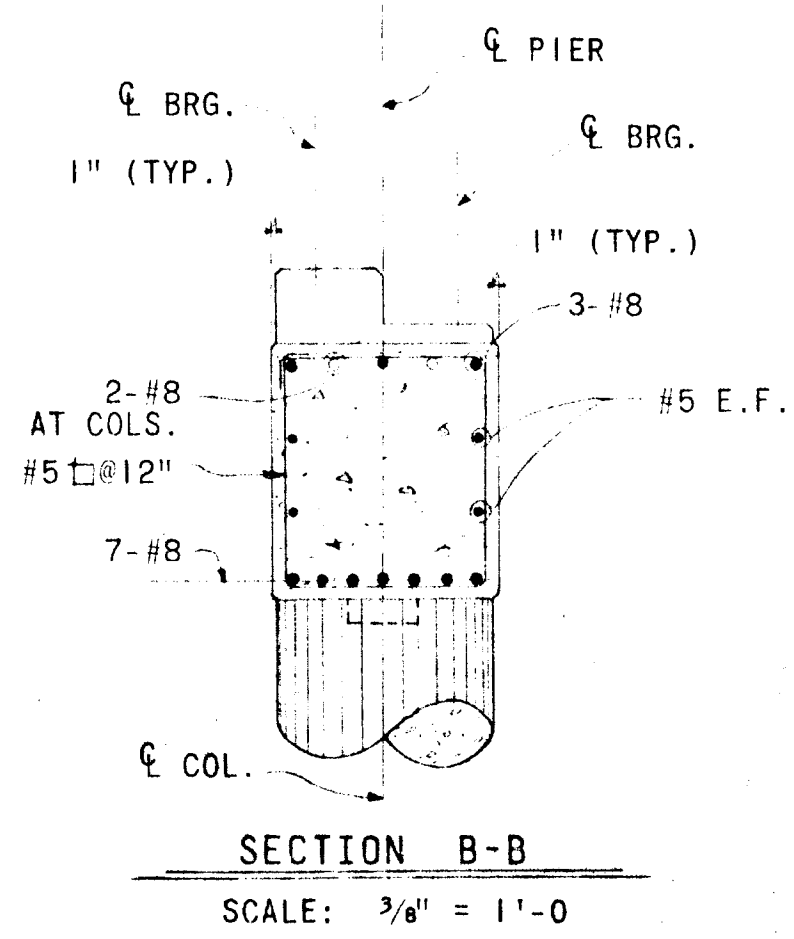
NOTE: FOR PIER LOCATION, SEE GENERAL PLAN AND ELEVATION SHEET NO. 2.



TYPICAL COLUMN SECTION
SCALE: 3/8" = 1'-0"



SECTION A-A
SCALE: 3/8" = 1'-0"

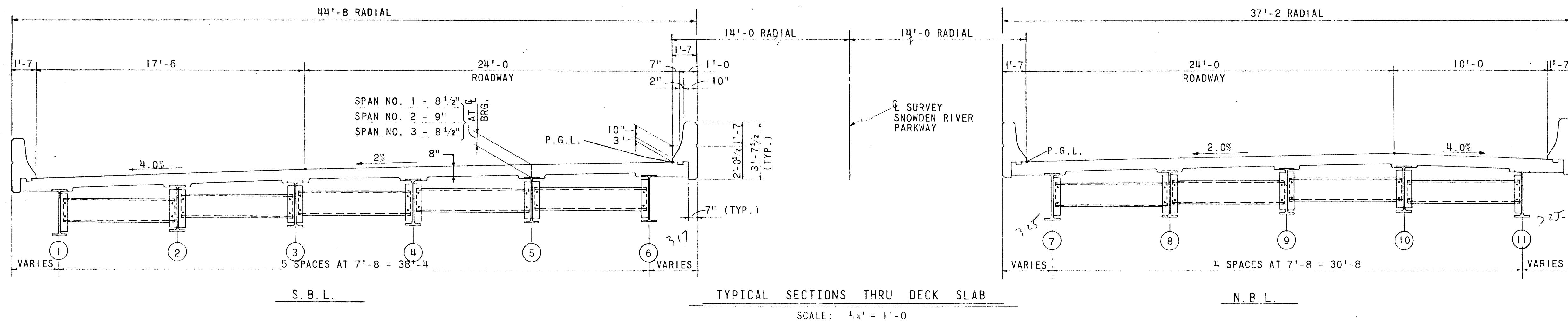


SECTION B-B
SCALE: 3/8" = 1'-0"

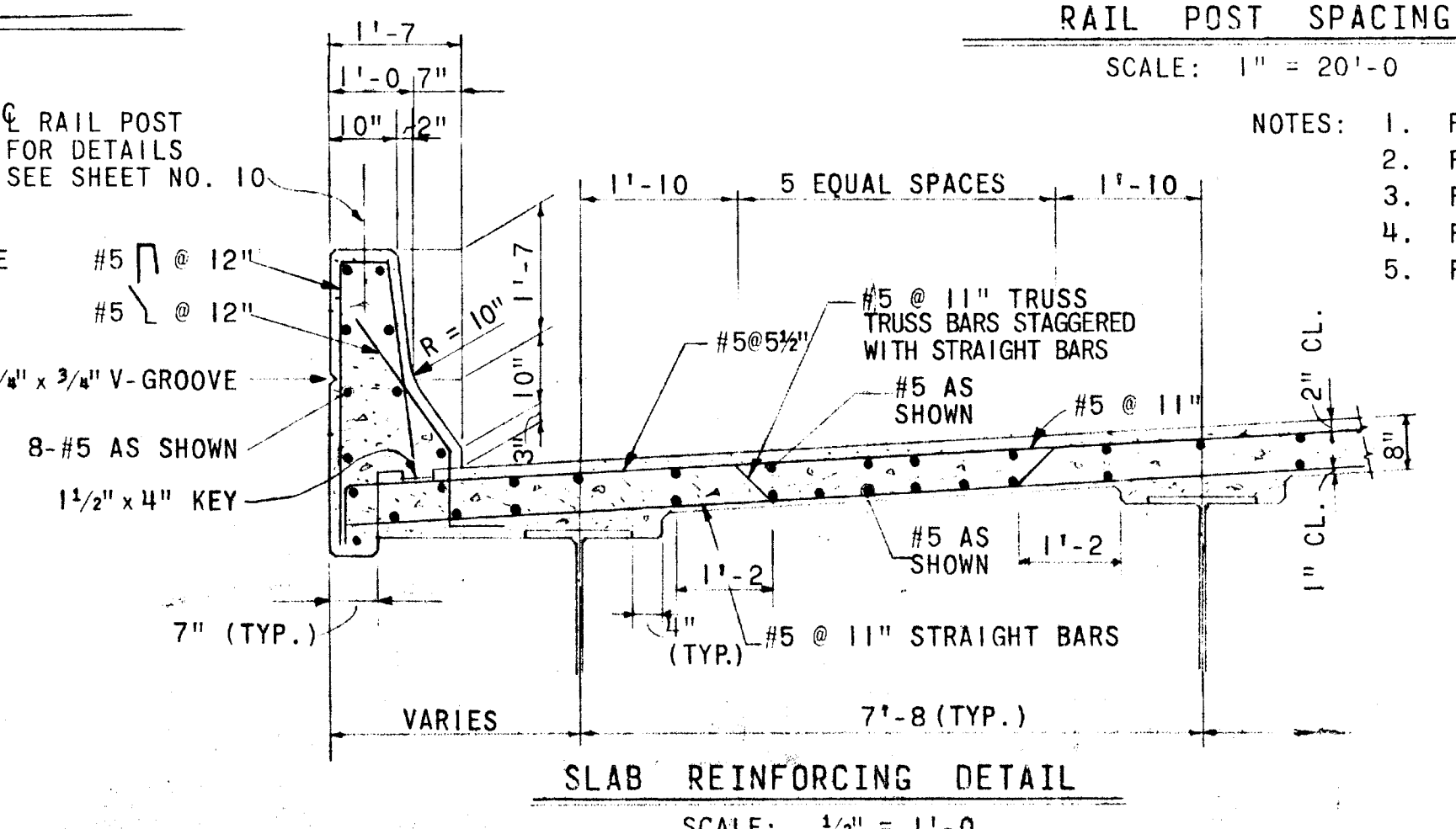
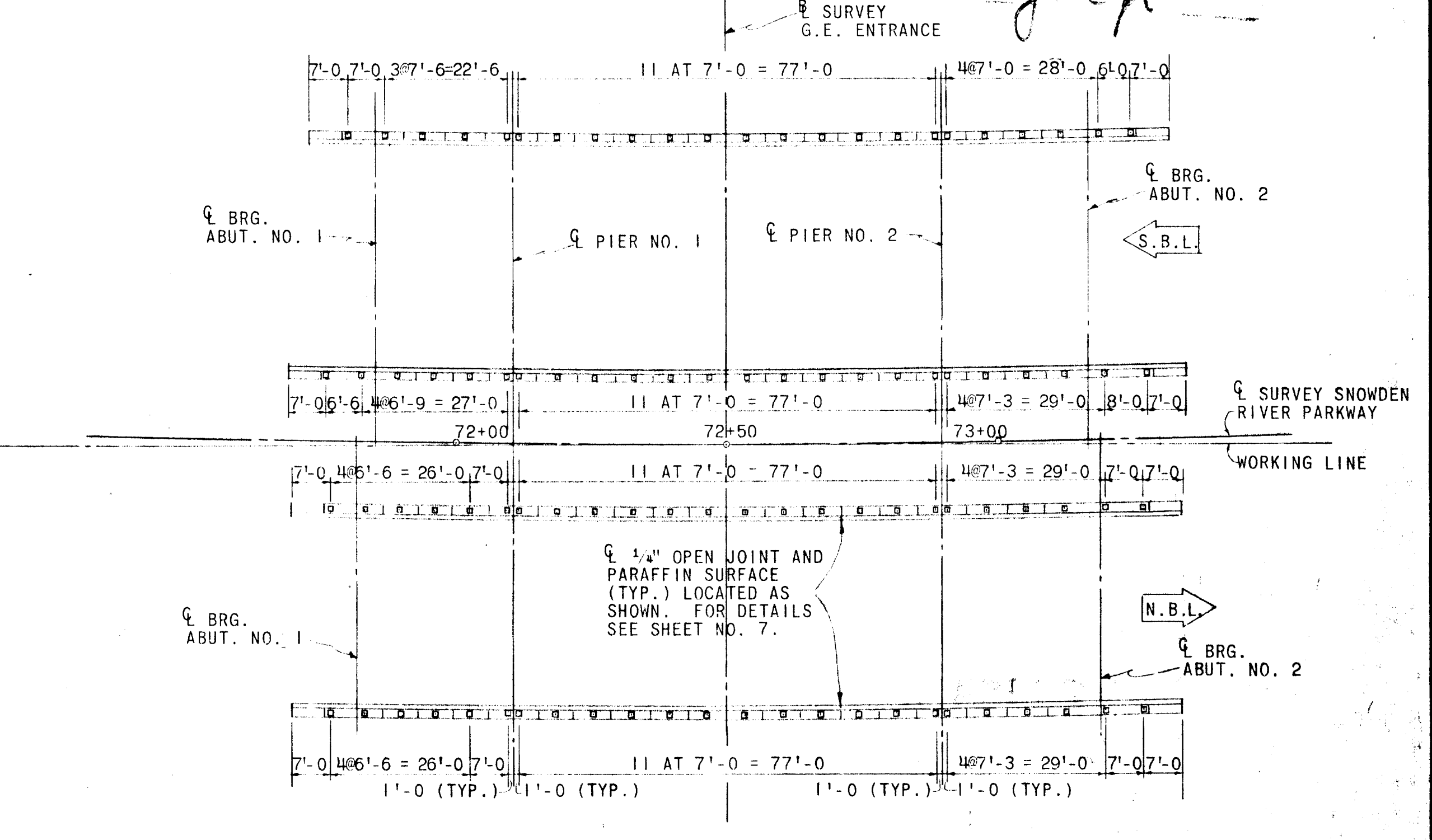
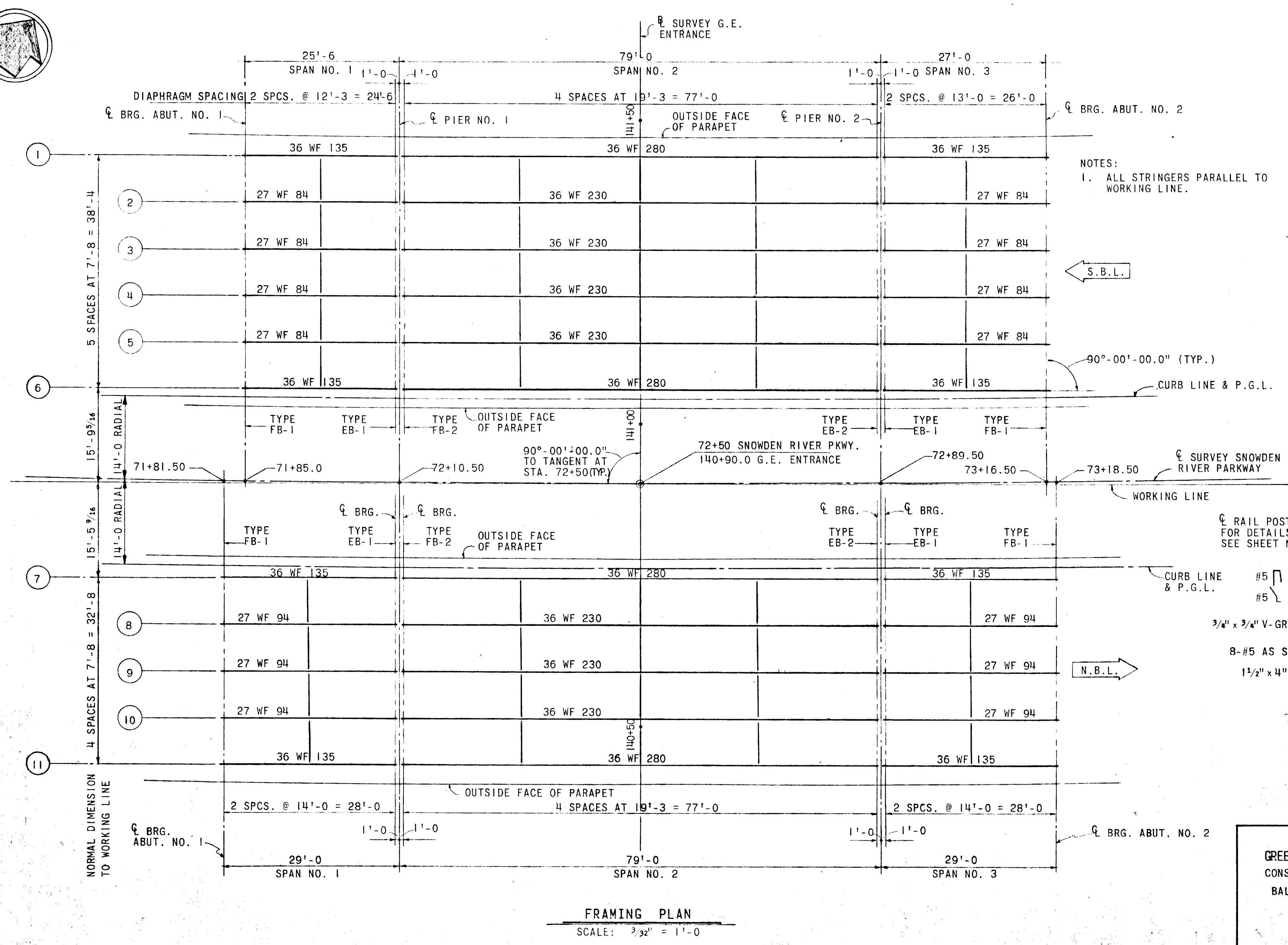
GREEN ASSOCIATES, INC.
CONSULTING ENGINEERS
BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS
Dennis M. Mehlend 12/8/70
CHIEF, BUREAU OF HIGHWAYS
DATE
OFFICE OF PLANNING AND ZONING
CHIEF, ENGINEER, DIVISION OF LAND DEVELOPMENT
DATE

1/20/70	Δ	REV. DIM., ELEV. SCHED.
Rev Date	Rev No	Revision Description
COLUMBIA		
M A R Y L A N D		
6TH ELECTION DISTRICT - HOWARD COUNTY		
OWNER AND DEVELOPER		
HOWARD RESEARCH AND DEVELOPMENT CORP.		
THE VILLAGE OF CROSS KEYS - BALTIMORE, MARYLAND 21210		
PROJECT AREA	E.G.U. SUBDIVISION SECTION 4 AREA 3	
PROJECT TITLE	SHOULDER RIVER PARKWAY INTERCHANGE NO. 6 - BRIDGE AT G.E. ENTRANCE	
Des By L.J.W.	Scale AS NOTED	Dwg. No 5 OF 11
Dir By R.D.M.	Date DEC., 1969	C.C.F. No
Chk By L.J.W.	Approved	



APPROVED
DATE OF READING
11/22/70
J. K. [Signature]



- NOTES:
1. FOR GENERAL NOTES, SEE SHEET NO. 2.
 2. FOR STRINGER DETAILS, SEE SHEET NO. 7.
 3. FOR BEARING SHOES AND JOINT DETAILS, SEE SHEET NO. 8.
 4. FOR ROADWAY ELEVATIONS, SEE SHEET NO. 9.
 5. FOR DIAPHRAGM DETAILS, SEE SHEET NO. 7.

GREEN ASSOCIATES, INC.
CONSULTING ENGINEERS
BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS
[Signature] 12/8/70
DATE

OFFICE OF PLANNING AND ZONING
CHIEF ENGINEER, DIVISION OF LAND DEVELOPMENT

Rev Date	Rev No	Revision Description

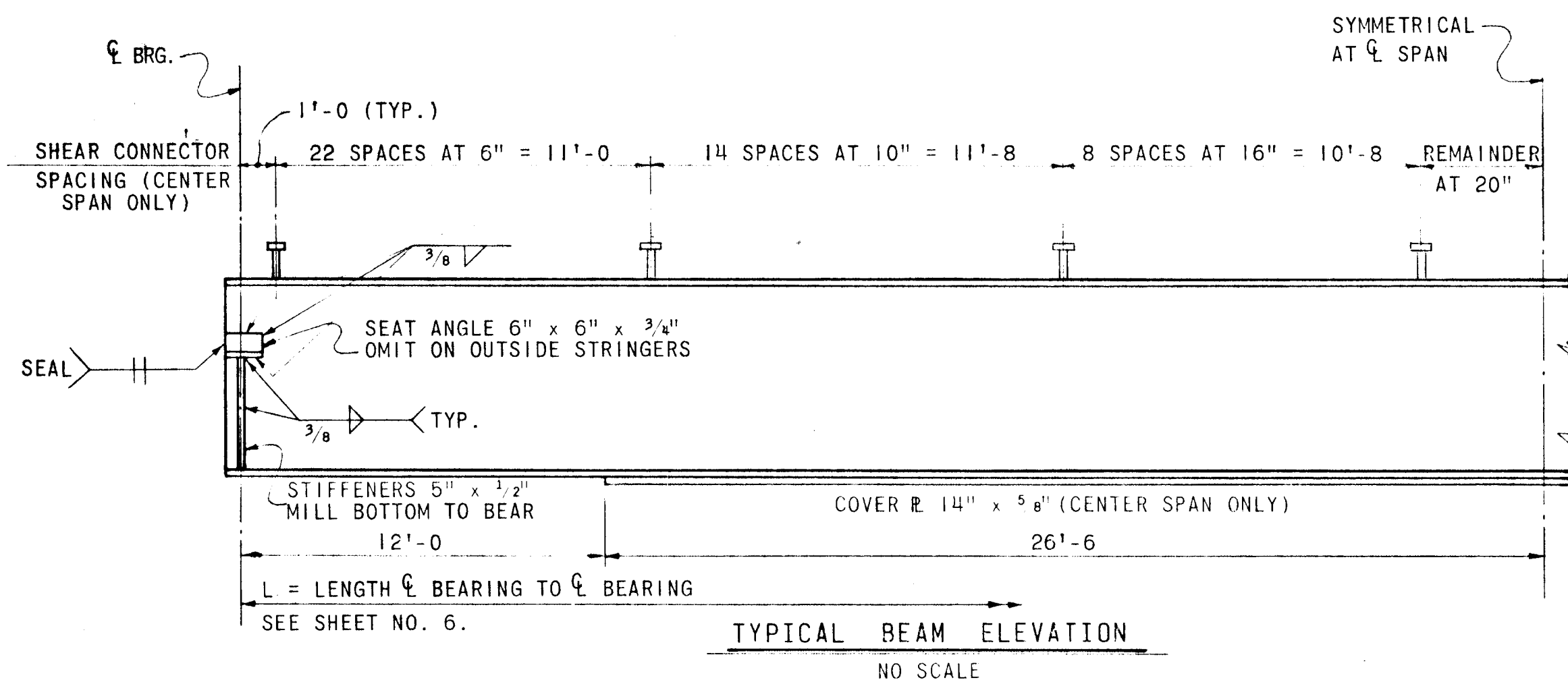
COLUMBIA
MARYLAND
6TH ELECTION DISTRICT HOWARD COUNTY
OWNER AND DEVELOPER

HOWARD RESEARCH AND DEVELOPMENT CORP.
THE VILLAGE OF CROSS KEYS - BALTIMORE, MARYLAND 21210

PROJECT AREA: E.G.U. SUBDIVISION SECTION 1 AREA 3

PROJECT TITLE: SNOWDEN RIVER PARKWAY INTERCHANGE NO. 6 - BRIDGE AT G.E. ENTRANCE FRAMING PLAN

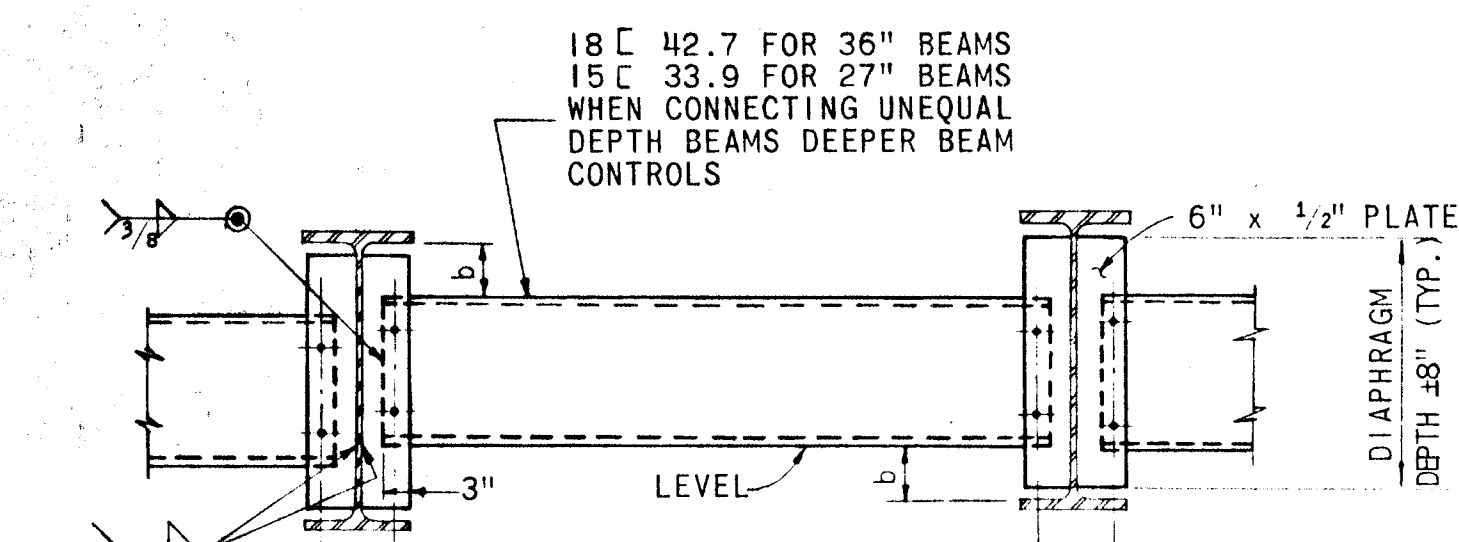
Des By: L.J.W. Scale: AS NOTED Dwg. No. 6 OF 11
Dwn By: M.V.B.&C.R.J. Date: DEC., 1969 C.C.F. No.
Chk By: L.J.W. Approved



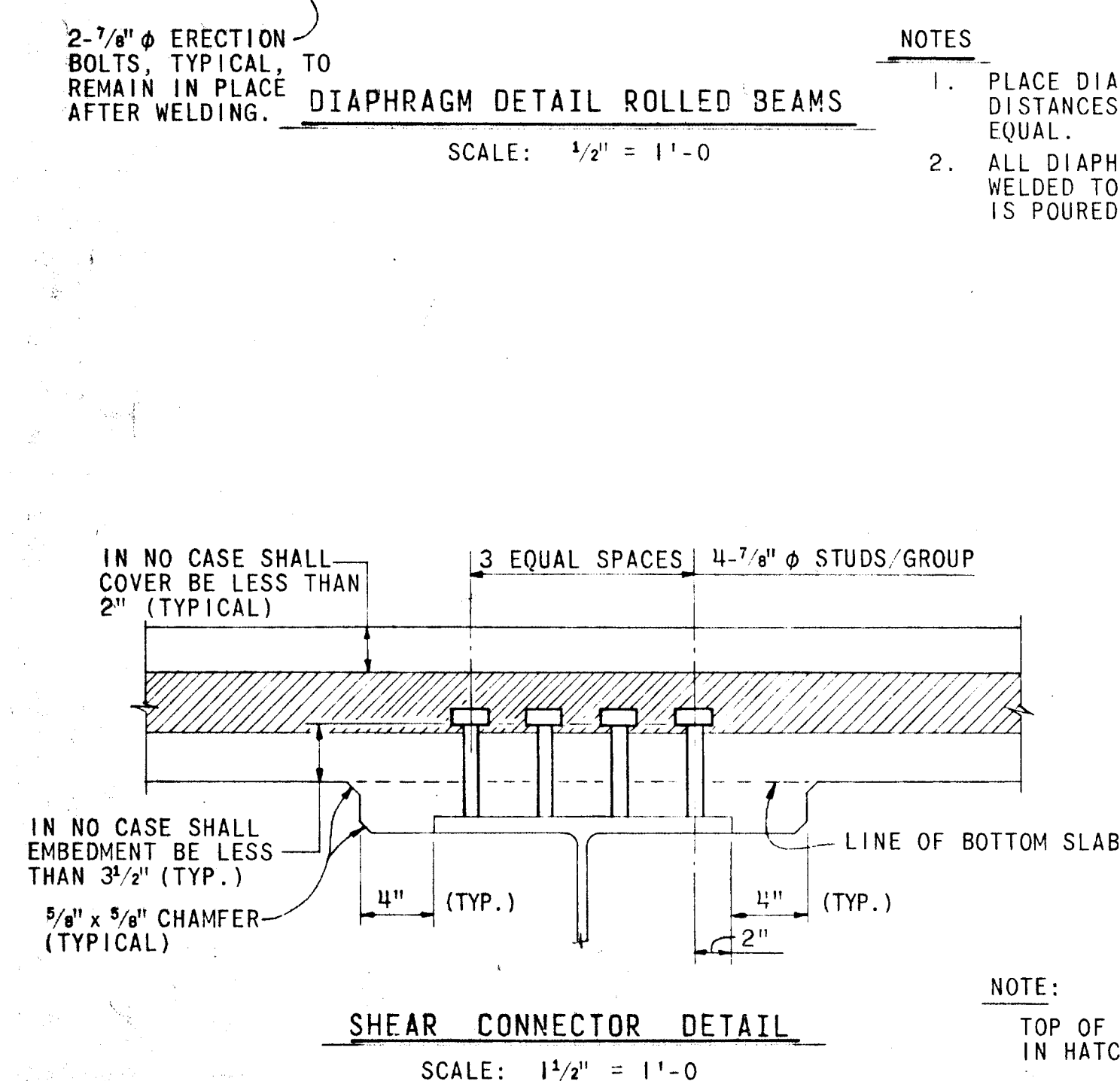
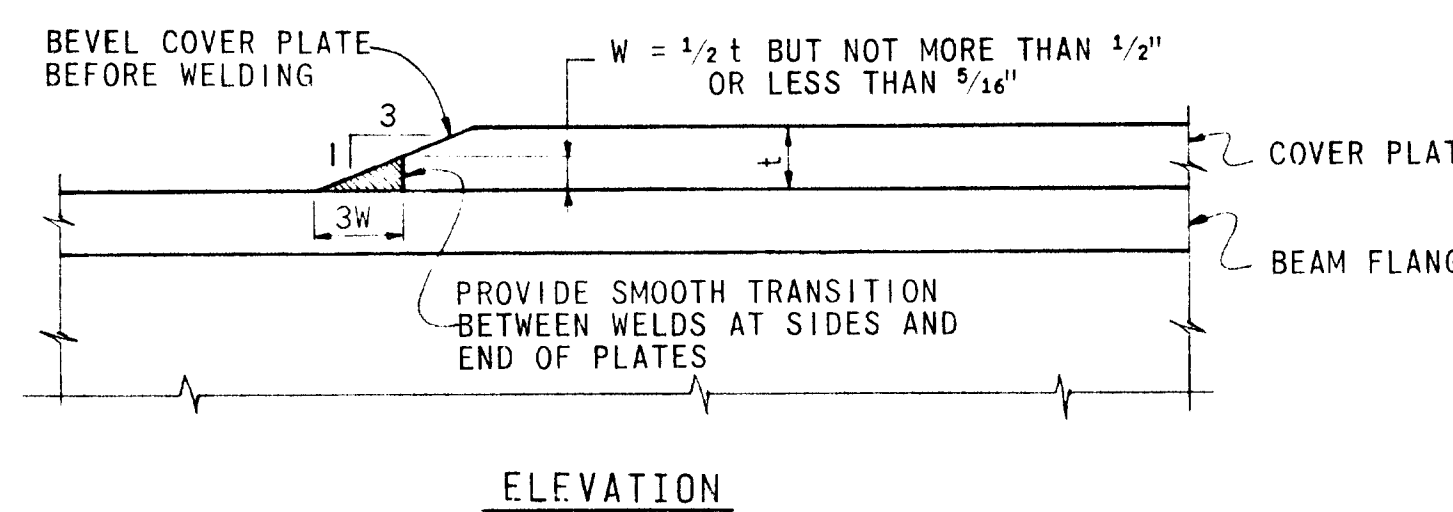
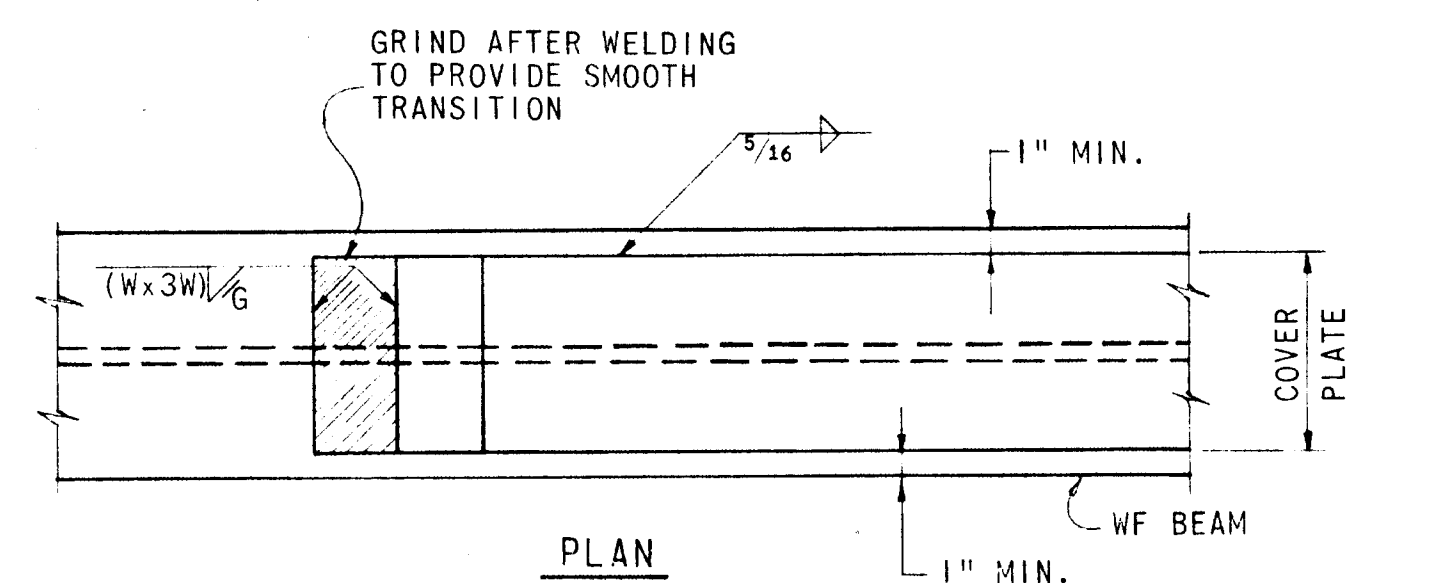
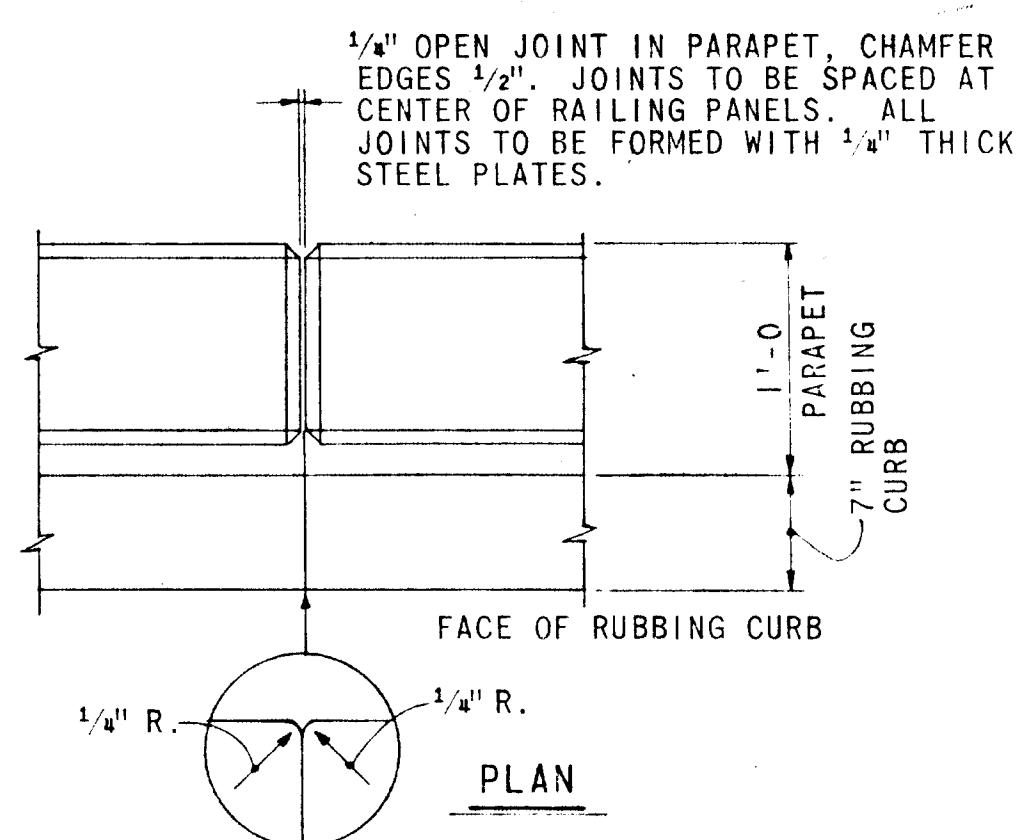
STRINGER NO.	SPAN NO. 1			SPAN NO. 2			SPAN NO. 3		
	SECTION	BOTTOM COVER R. SIZE	NO. 7/8" φ SHEAR CON./ROW	SECTION	BOTTOM COVER R. SIZE	NO. 7/8" φ SHEAR CON./ROW	SECTION	BOTTOM COVER R. SIZE	NO. 7/8" φ SHEAR CON./ROW
1 AND 6	36 WF 135	NONE	NONE	36 WF 280	NONE	4	36 WF 135	NONE	NONE
7 AND 11	36 WF 135	NONE	NONE	36 WF 280	NONE	4	36 WF 135	NONE	NONE
2 THRU 5	27 WF 84	NONE	NONE	36 WF 230	14" x 5/8"	4	27 WF 84	NONE	NONE
8 THRU 10	27 WF 94	NONE	NONE	36 WF 230	14" x 5/8"	4	27 WF 94	NONE	NONE

LOADING	SPAN NO. 1		SPAN NO. 2		SPAN NO. 3	
	1/4	1/2	1/8	3/8	1/2	1/2
STRINGERS NOS. 1, NO. 6 & NOS. 7 AND NO. 11	0	0	3/16	5/16	7/16	1/2
STEEL ALONE	0	0	3/16	5/16	7/16	1/2
1st POUR	0	0	0	1/16	1/16	0
2nd POUR	0	0	0	1/16	1/16	0
TOTAL Δ	0	0	3/8	1 1/2	1 5/16	2 3/16
GEOMETRIC CAMBER	0	0	1/16	1/8	3/16	1/4
TOTAL CAMBER	0	0	7/16	1 5/8	2 1/8	2 7/16
STRINGERS NOS. 2 THRU 5 & NOS. 8 THRU 10	0	0	3/16	5/16	7/16	1/2
STEEL ALONE	0	0	3/16	5/16	7/16	1/2
1st POUR	0	0	0	1/16	1/16	0
2nd POUR	0	0	0	1/16	1/16	0
TOTAL Δ	0	0	3/16	1 1/2	1 5/16	2 1/8
GEOMETRIC CAMBER	0	0	1/16	1/8	3/16	1/4
TOTAL CAMBER	0	0	7/8	1 5/8	2 1/8	2 3/8

- NOTES:
- 1st POUR = ROADWAY CONCRETE SLAB
 - 2nd POUR = CURBS, PARAPETS AND RAILS
 - STRINGERS IN SPAN NO. 2 TO BE CAMBERED FOR "TOTAL CAMBER". STRINGERS IN SPANS NO. 1 AND NO. 2 TO BE FABRICATED WITH NATURAL CAMBER UP.



- NOTES:
1. PLACE DIAPHRAGMS SO THAT "b" DISTANCES FROM FLANGES ARE EQUAL.
 2. ALL DIAPHRAGMS TO BE COMPLETELY WELDED TO BEAMS BEFORE DECK SLAB IS POURED.

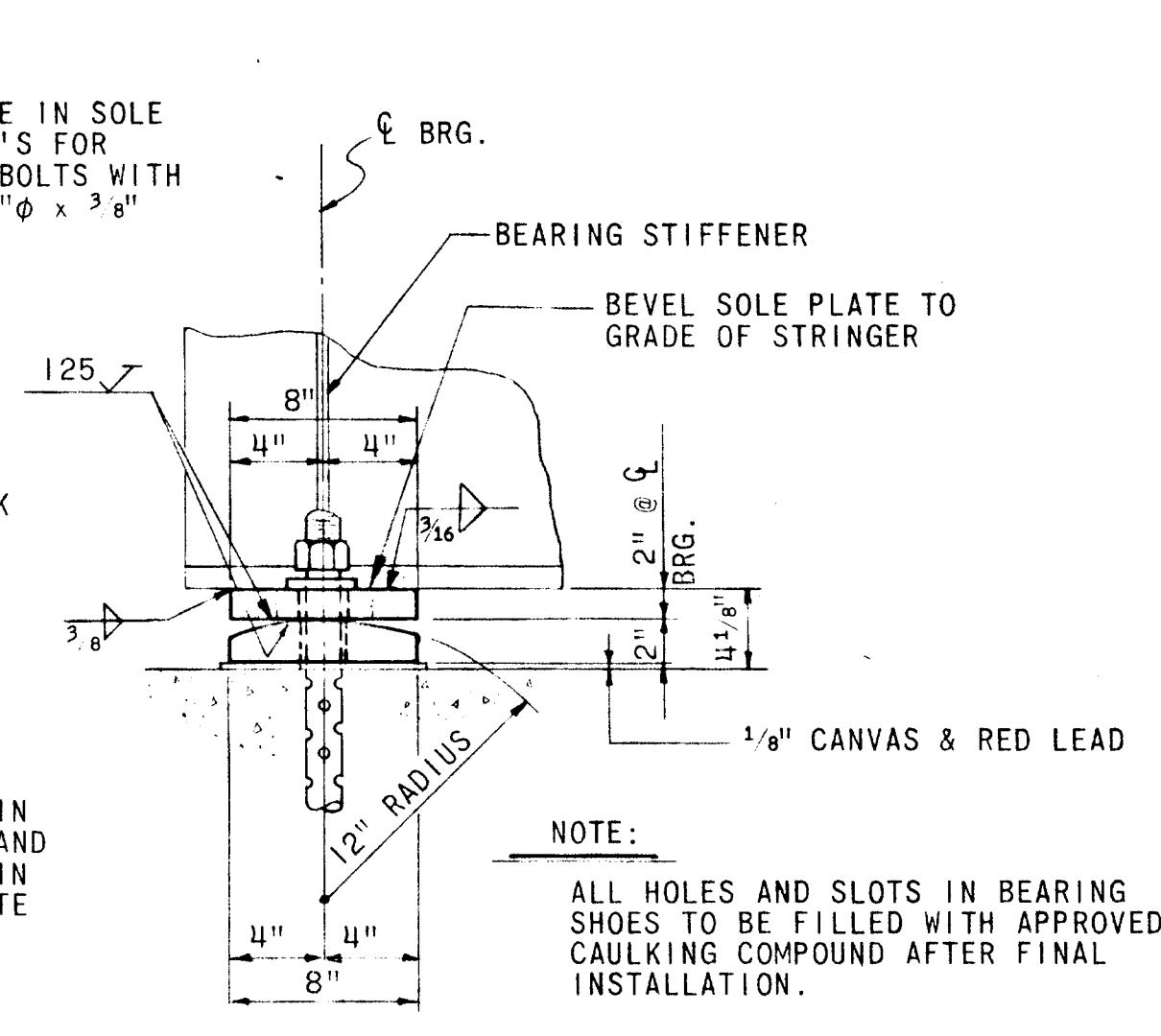
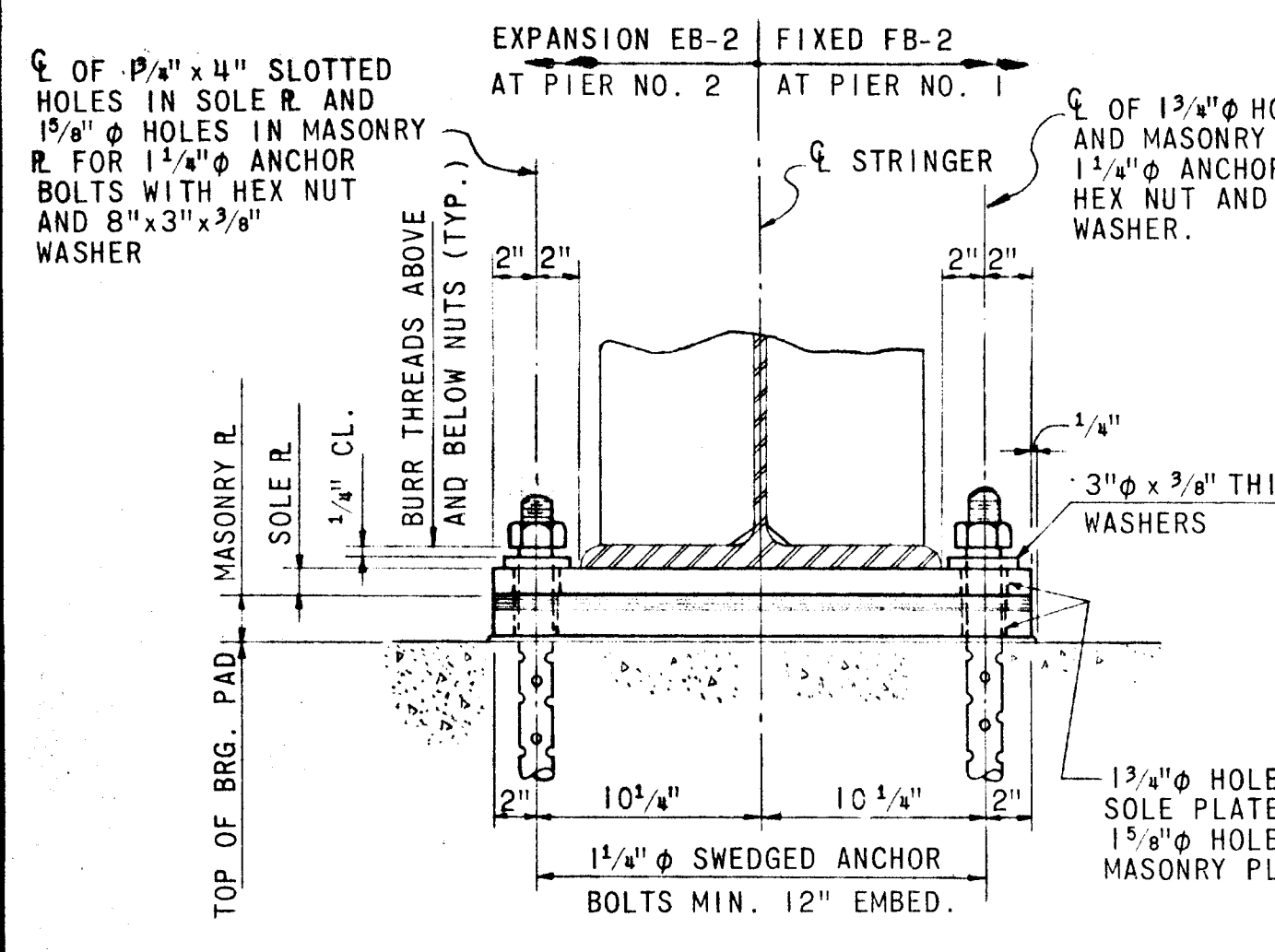


APPROVED
OFFICE OF PLANNING AND ZONING OF HOWARD COUNTY
DATE 1/22/71
J.H.C.

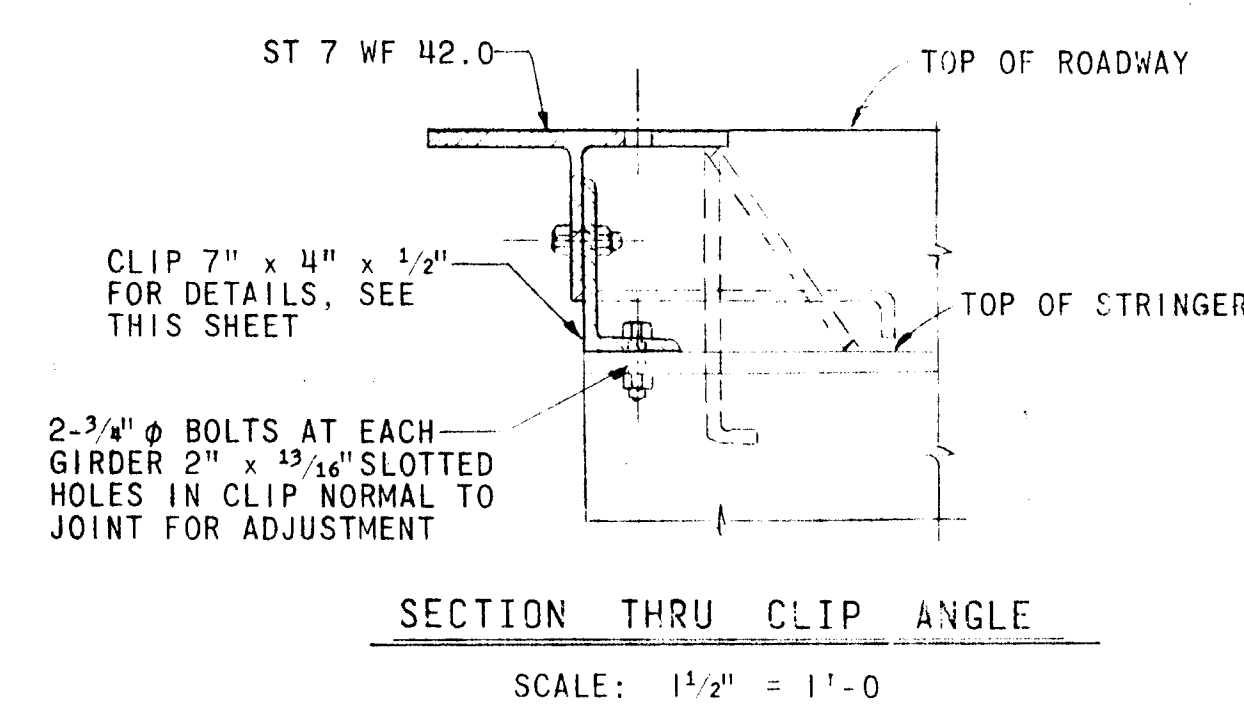
- NOTES:
1. FOR GENERAL NOTES, SEE SHEET NO. 2.
 2. FOR FRAMING PLAN, SEE SHEET NO. 6.
 3. FOR BEARING SHOES AND JOINT DETAIL, SEE SHEET NO. 8.

Rev Date	Rev No	Revision Description
COLUMBIA MARYLAND 6TH ELECTION DISTRICT - HOWARD COUNTY		
OWNER AND DEVELOPER HOWARD RESEARCH AND DEVELOPMENT CORP. THE VILLAGE OF CROSS KEYS - BALTIMORE, MARYLAND 21210		
PROJECT AREA	E.G.U. SUBDIVISION SECTION 1 AREA 3	
PROJECT TITLE	SHOUBEN RIVER PARKWAY INTERCHANGE NO. 6 - BRIDGE AT G.E. ENTRANCE SUPERSTRUCTURE DETAILS	
Des By L.J.W.	Scale AS NOTED	Dwg No 7 OF 11
Dwn By M.V.B.	Date DEC., 1969	C.C.F. No
Chk By L.J.W.	Approved	

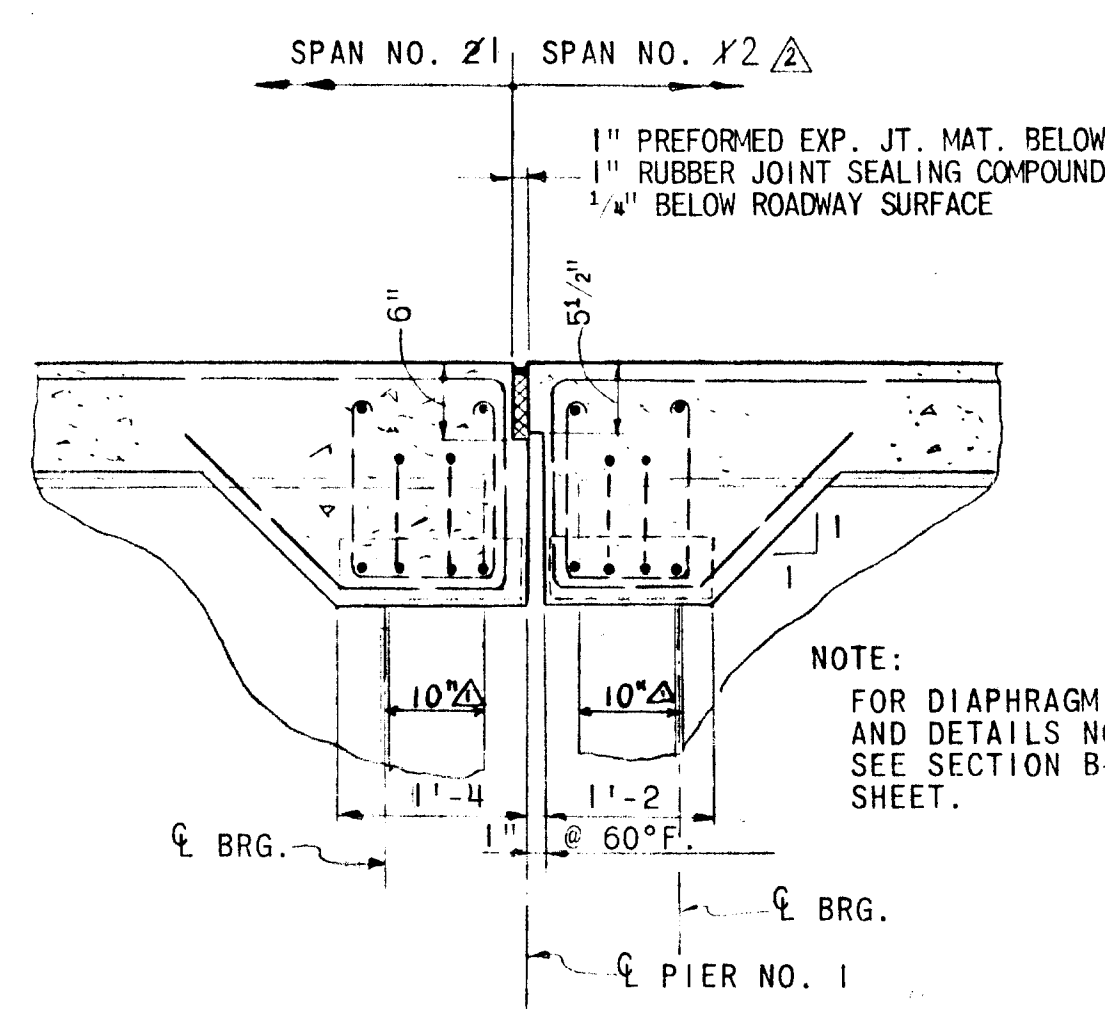
DEPARTMENT OF PUBLIC WORKS <i>Drayville H. Weiland</i> 12/8/70 CHIEF, BUREAU OF HIGHWAYS DATE
OFFICE OF PLANNING AND ZONING
CHIEF ENGINEER, DIVISION OF LAND DEVELOPMENT DATE



SHOE TYPE - FB-2 & EB-2
SCALE: 1 1/2" = 1'-0"

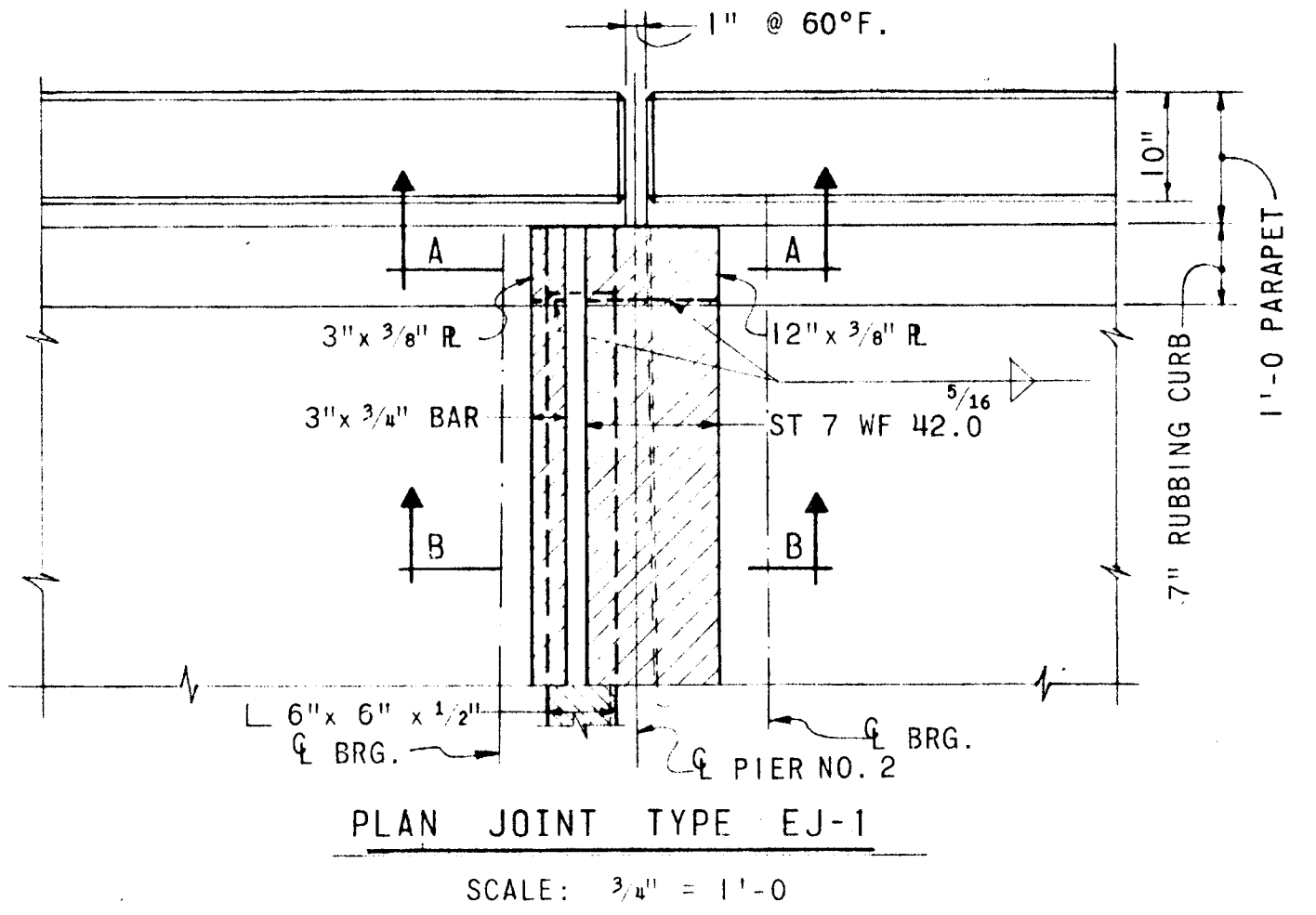


SECTION THRU CLIP ANGLE
SCALE: 1 1/2" = 1'-0"

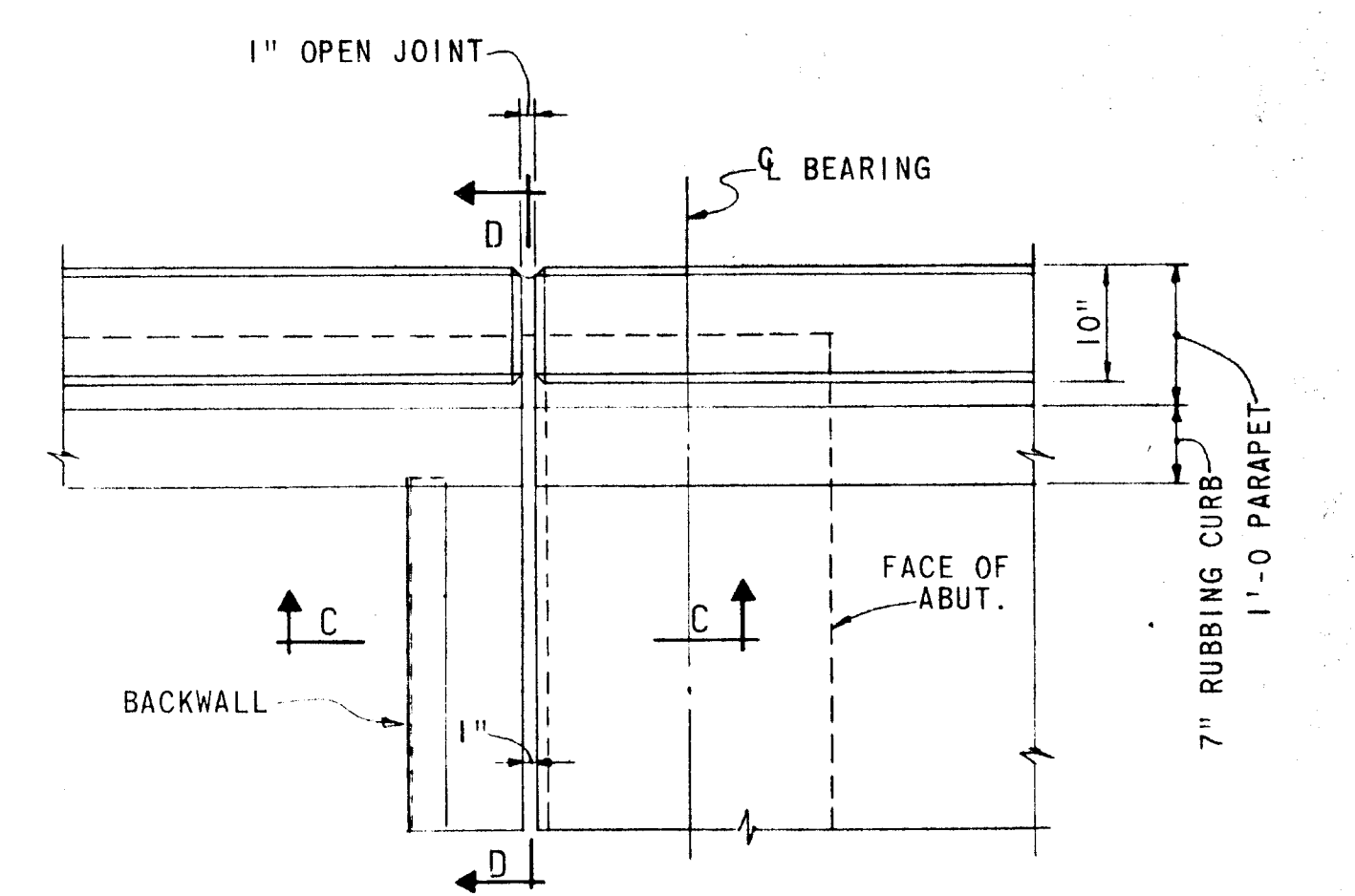


SECTION THRU JOINT AT PIER NO. 1-2
SCALE: 3/4" = 1'-0"

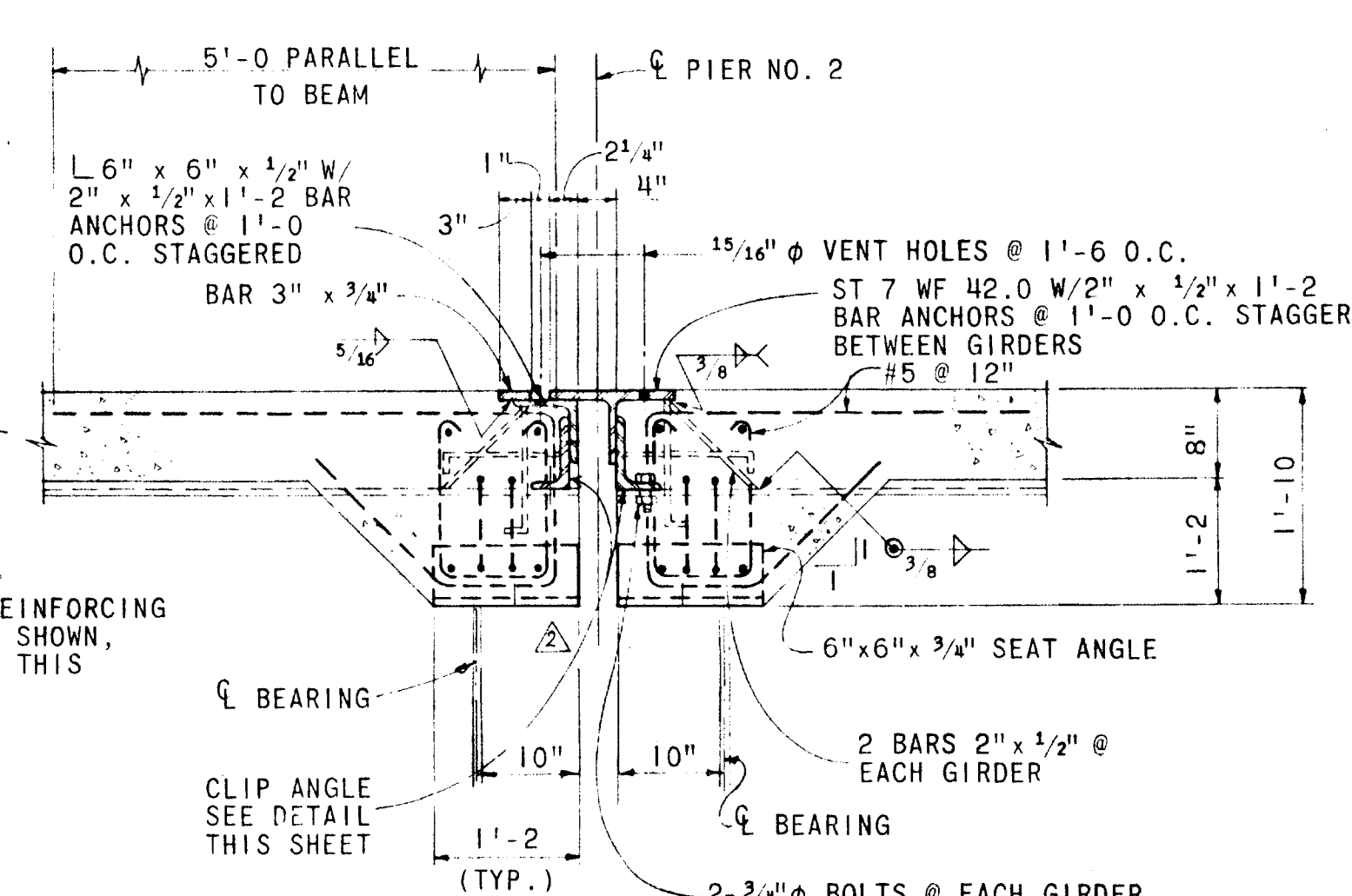
FINISH NOTE:
SURFACE FINISH INDICATED THUS SHALL MEET THE REQUIREMENTS OF THE AMERICAN STANDARD SPECIFICATION A.S.A. B-461. ALL SLIDING SURFACES SHALL BE TOOLED IN THE DIRECTION OF EXPANSION AND/OR ROTATION.



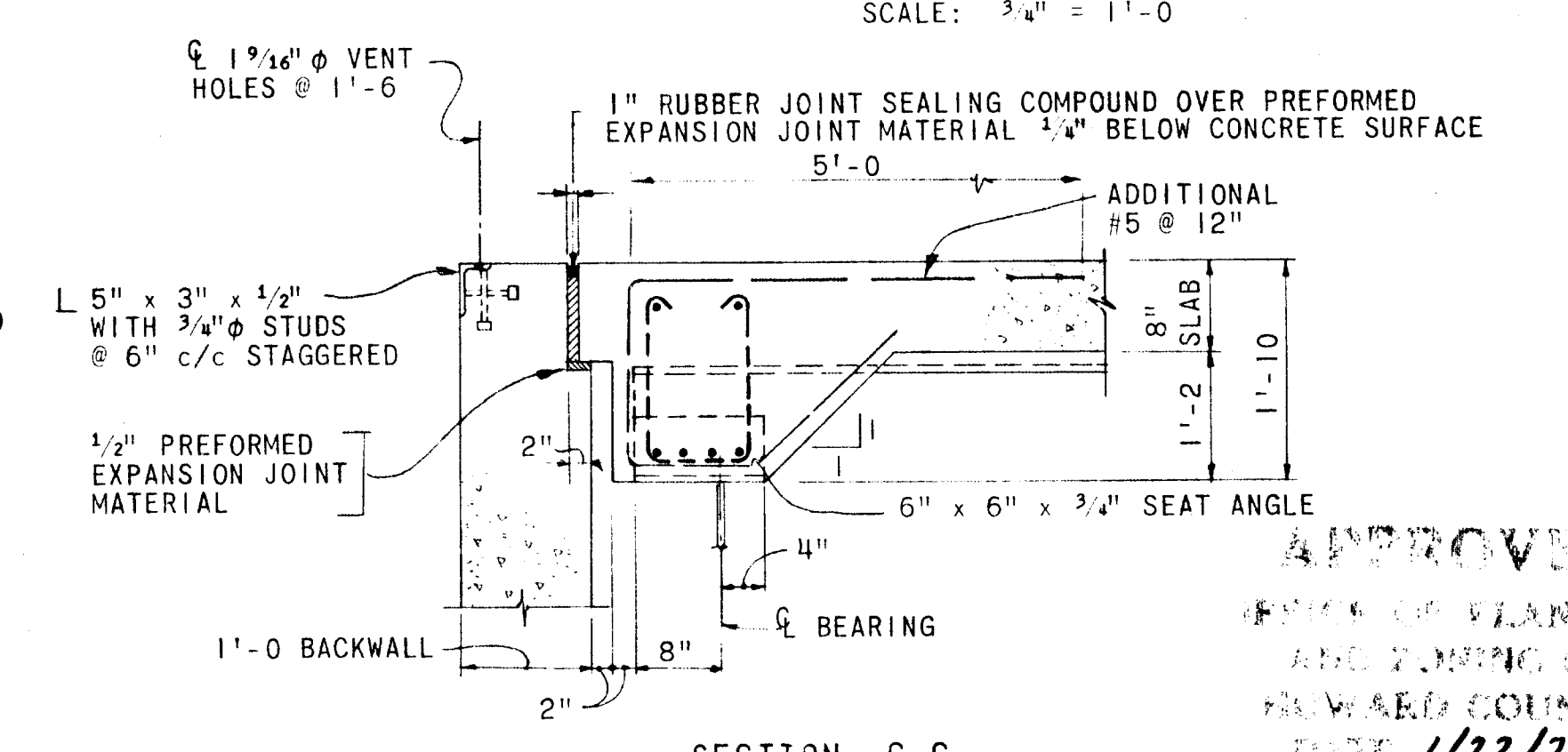
PLAN JOINT TYPE EJ-1
SCALE: 3/4" = 1'-0"



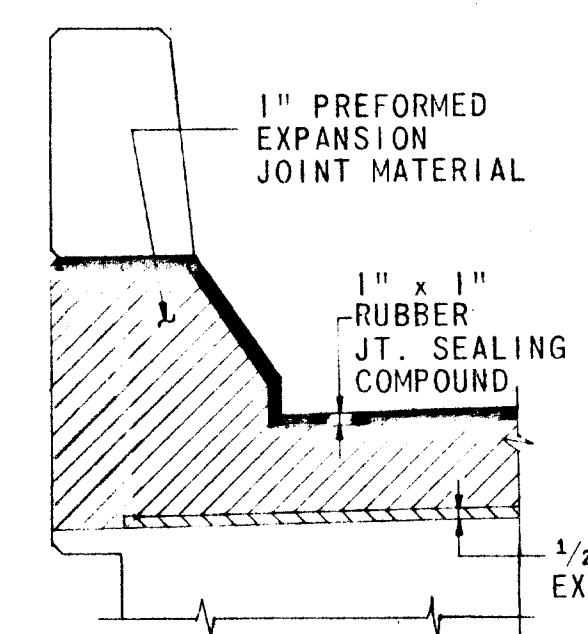
PLAN OF JOINT TYPE FJ-1
SCALE: 3/4" = 1'-0"



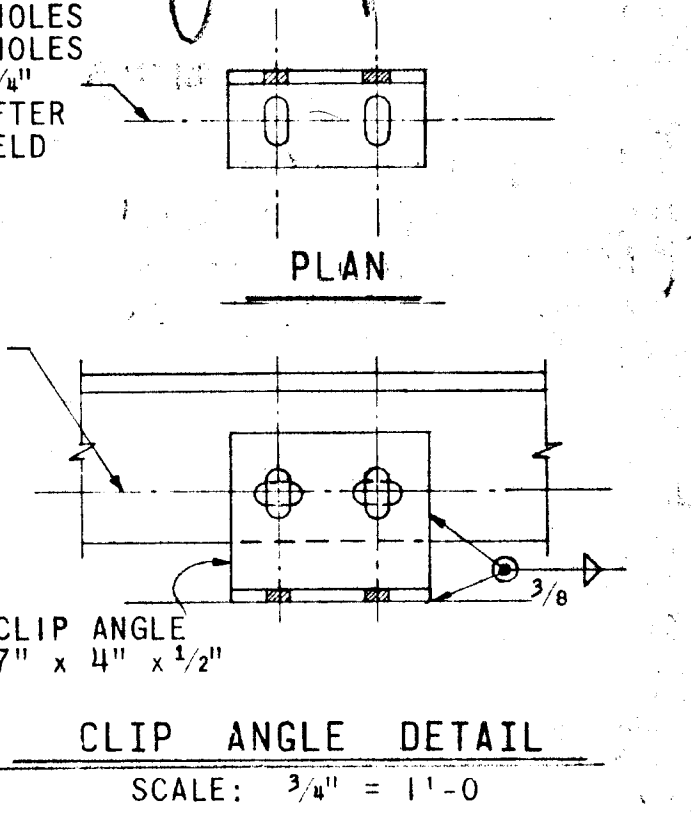
SECTION B-B
SCALE: 3/4" = 1'-0"



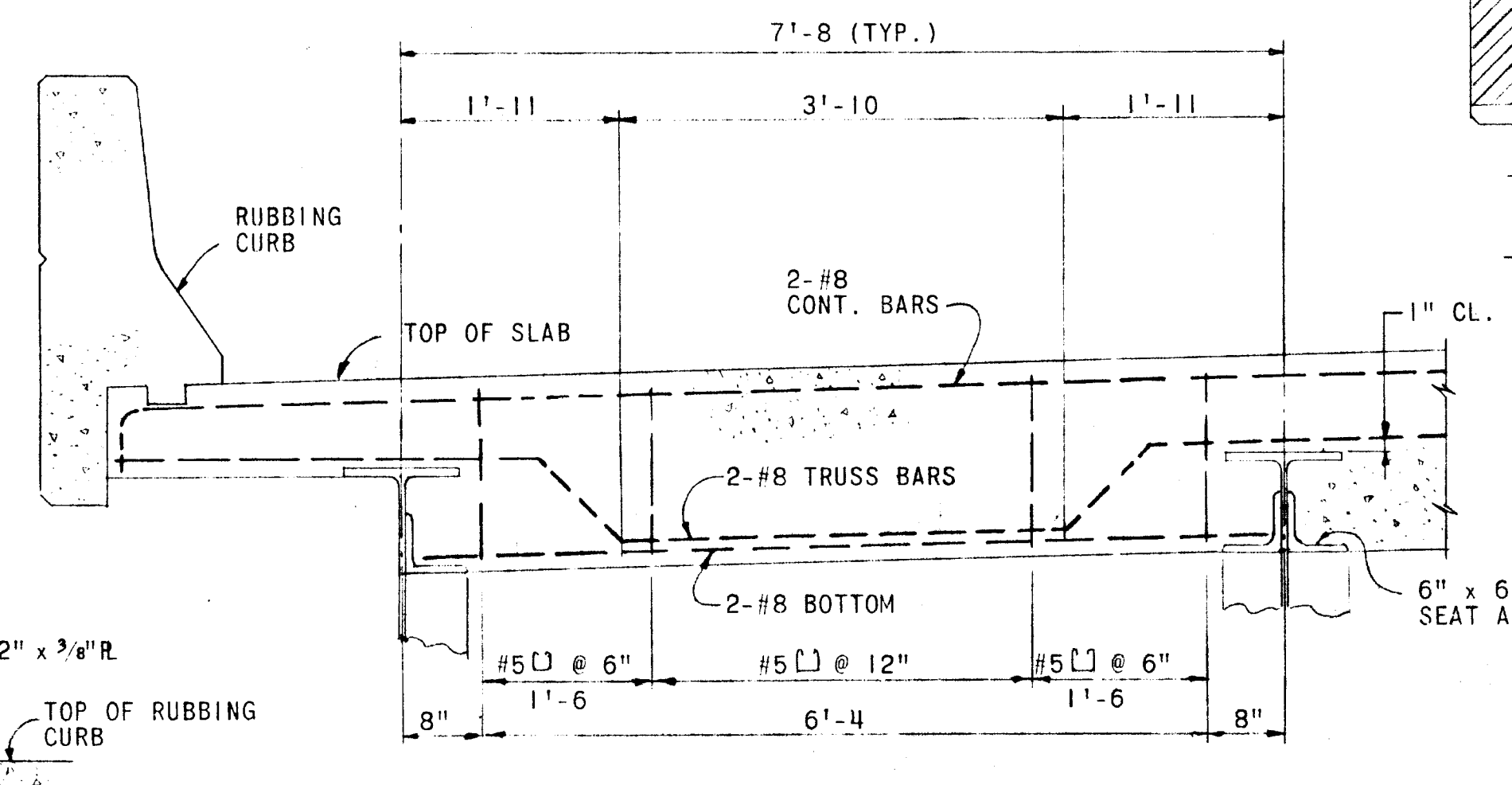
SECTION C-C
SCALE: 3/4" = 1'-0"



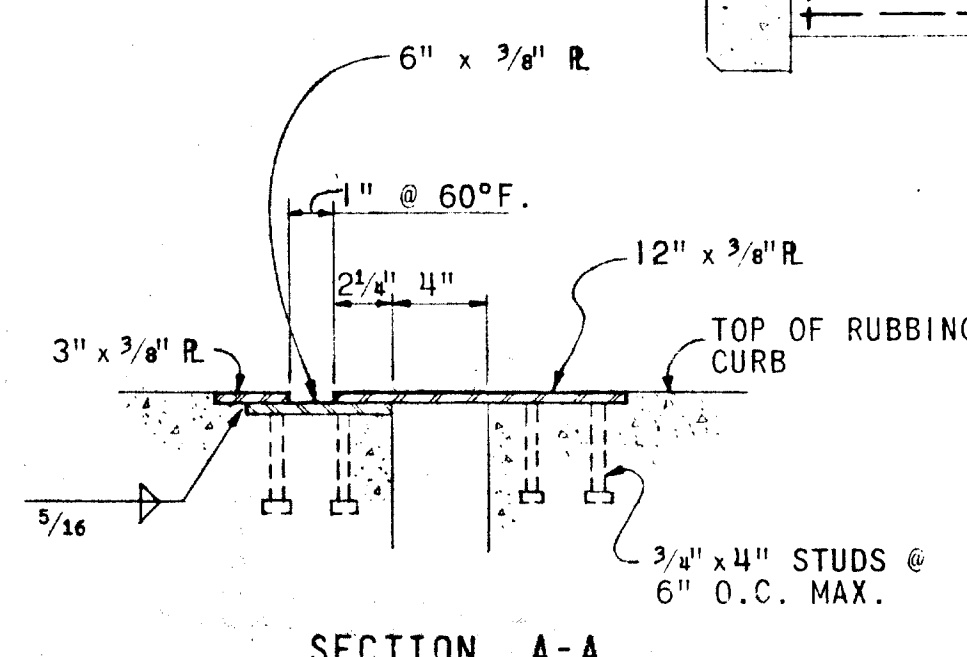
SECTION D-D
SCALE: 3/4" = 1'-0"



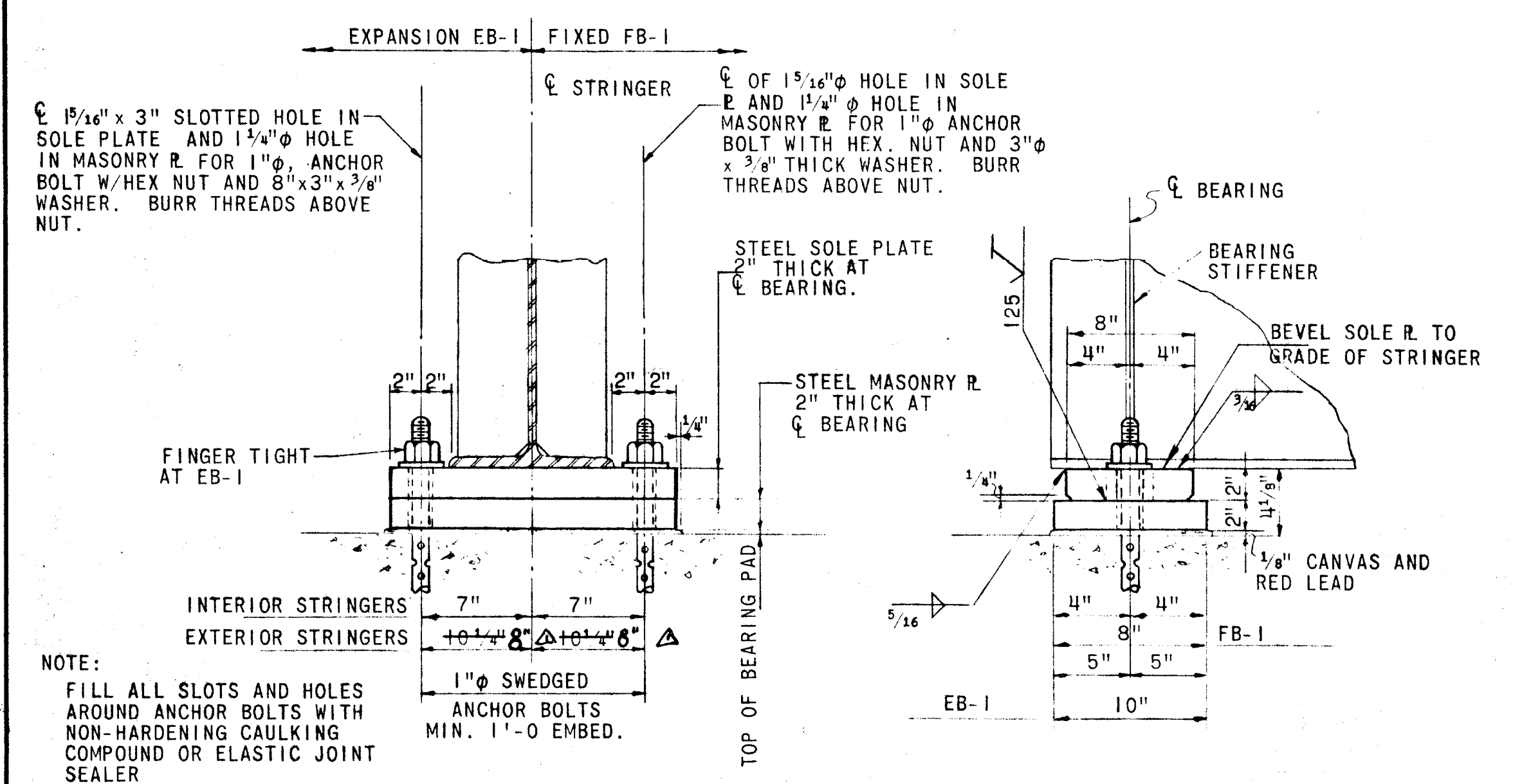
CLIP ANGLE DETAIL
SCALE: 3/4" = 1'-0"



CONCRETE END DIAPHRAGM DETAIL
SCALE: 3/4" = 1'-0"



SECTION A-A
SCALE: 1 1/2" = 1'-0"



SHOE TYPE - EB-1 & FB-1
SCALE: 1 1/2" = 1'-0"

- NOTES:
1. FOR GENERAL NOTES, SEE SHEET NO. 2.
2. FOR FRAMING PLAN, SEE SHEET NO. 6.

2/3/70	△	CORR. SPAN DR. AND ADDED CLIP L.
1/20/70	△	ADDED AND REVISED DIM.
Rev Date	Rev No	Revision Description
COLUMBIA		
M A R Y L A N D		
6TH ELECTION DISTRICT - HOWARD COUNTY		
OWNER AND DEVELOPER		
HOWARD RESEARCH AND DEVELOPMENT CORP.		
THE VILLAGE OF CROSS KEYS - BALTIMORE, MARYLAND 21210		
PROJECT AREA	E.G.U. SUBDIVISION	
	SECTION 1 AREA 3	
PROJECT TITLE	SNOWDEN RIVER PARKWAY	
	INTERCHANGE NO. 6 - BRIDGE AT G.E. ENTRANCE	
	BEARING SHOE AND JOINT DETAILS	
Des By	L.J.W.	Scale AS NOTED
Dwg. No	8 OF 11	
Drn By	M.V.B. & R.D.M.	Date DEC., 1969
C.C.F. No		
Chk By	L.J.W.	Approved

GREEN ASSOCIATES, INC.
CONSULTING ENGINEERS
BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS
Francis M. Wickland 12/8/70
CHIEF, BUREAU OF HIGHWAYS
OFFICE OF PLANNING AND ZONING
CHIEF ENGINEER, DIVISION OF LAND DEVELOPMENT

Survey Book No.

File No. Pocket No. Folder No.

INDEXED