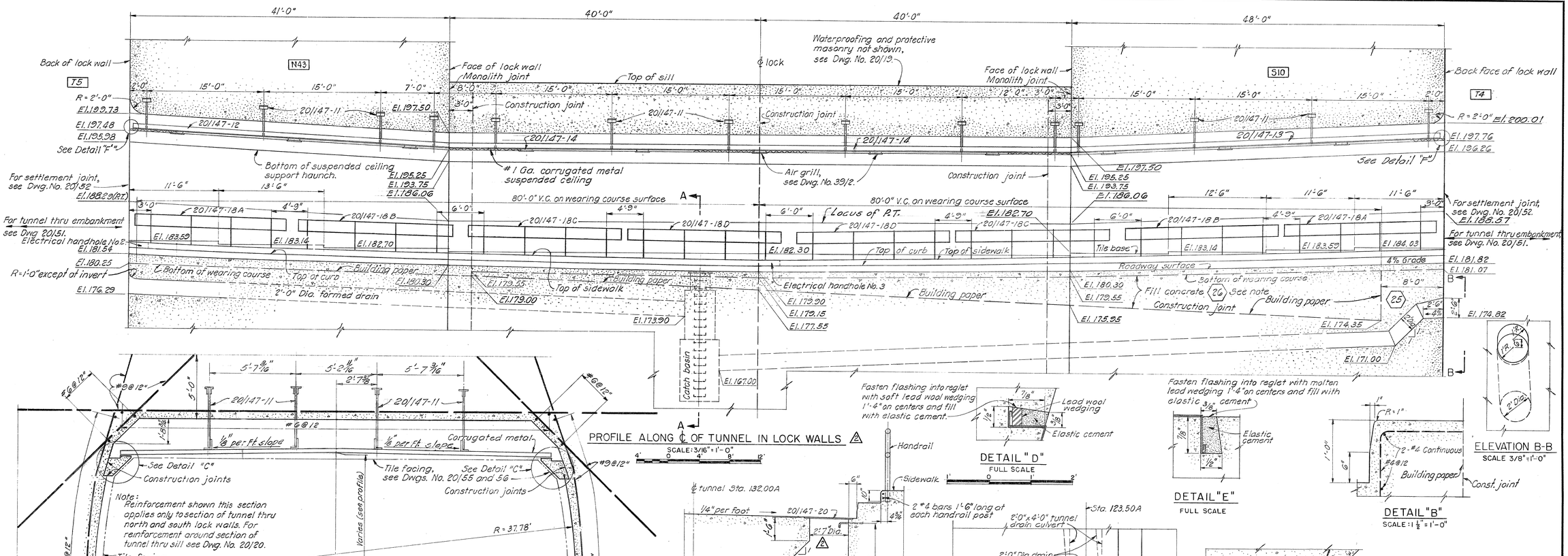


NOTES:

For general notes, see Dwg. No. 20/2.
All roadway elevations shown are at centerline of roadway.
Ceiling elevations refer to the bottom of the corrugated metal at the centerline of tunnel.
For location and details of drains leading from the suspended ceiling see Dwg. No. 39/3.
All splices of suspended ceiling support angles, full strength butt welds.
Suspended ceiling support angles have 3/4" clearance at monolith joints.
Railing posts installed vertically.
For general reinforcement notes, see Dwg. No. 20/22.
Fill concrete limited in cement content as directed by Contracting Officer.
⬡ Indicates payment item number

AS CONSTRUCTED

REVISION	DATE	DESCRIPTION	BY	BY
2	6/15/56	Added hangers and revised spacing; minor revisions.	WPC	
1	12-5-55	Redrawn - tunnel dimensions revised.	WPC	AHK

SAINT LAWRENCE SEAWAY DEVELOPMENT CORPORATION
CORPS OF ENGINEERS, U. S. ARMY CONSTRUCTION AGENT
OFFICE OF THE DISTRICT ENGINEER BUFFALO 7, NEW YORK

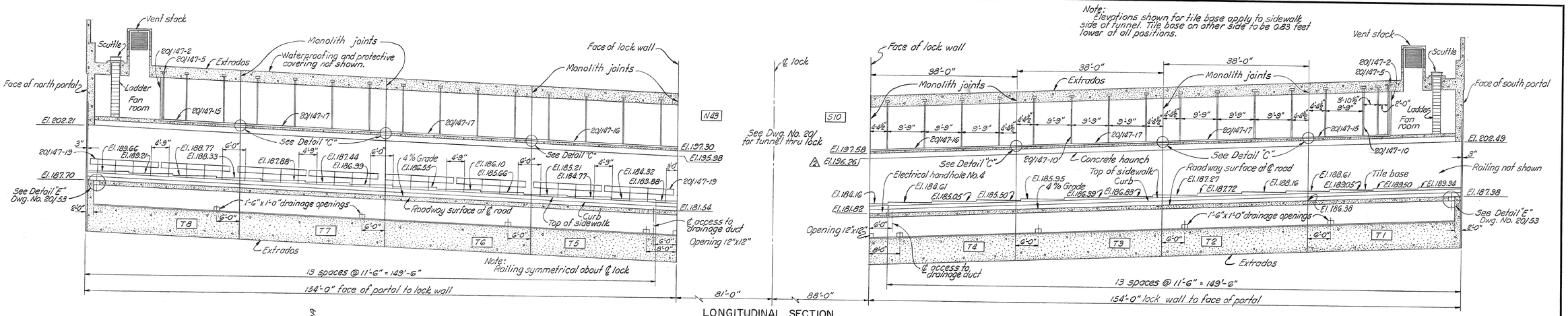
DRAWN BY: D.W.O.
DESIGNED BY: C. S. R.
CHECKED BY: WPC
SUBMITTED BY: Chief, Design Branch
APPROVAL RECOMMENDED: Chief, Engineering Division
APPROVED: Col., C. E., District Engineer
DATE: 1 OCTOBER 1955

ST. LAWRENCE SEAWAY
ROBINSON BAY LOCK
TUNNEL
SECTION THRU LOCK

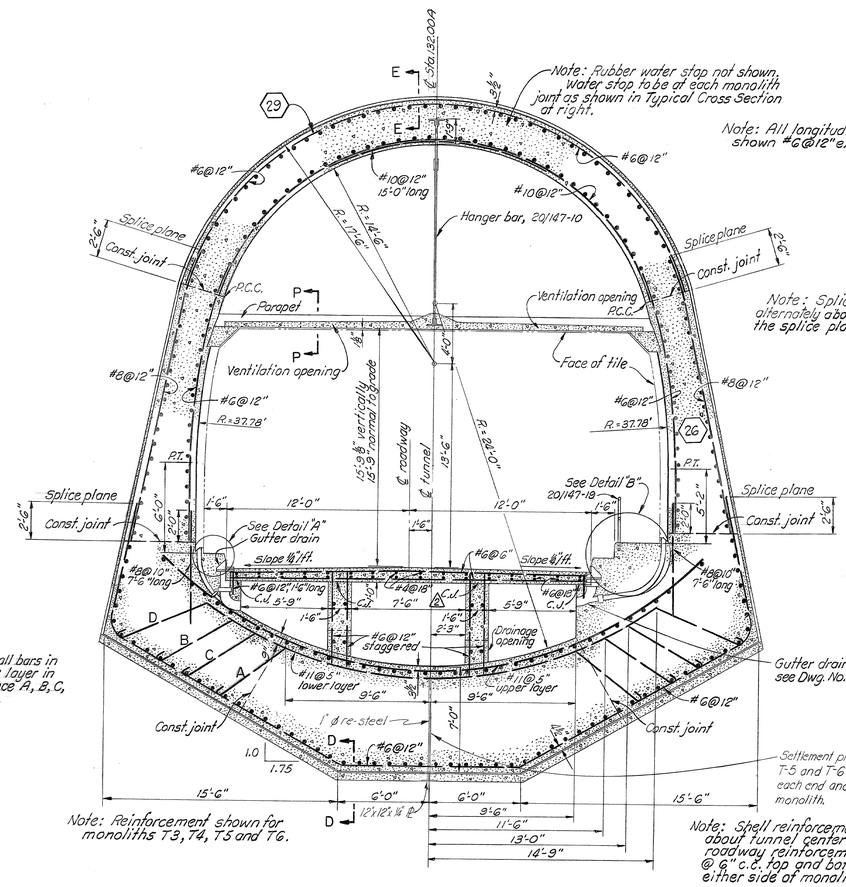
SAINT LAWRENCE SEAWAY DEVELOPMENT CORPORATION
Project Engineer — Deputy Administrator
SCALE: AS SHOWN SPEC. NO.
DWG. NO. 326-C-20/50
SHEET OF

1-9-1-21

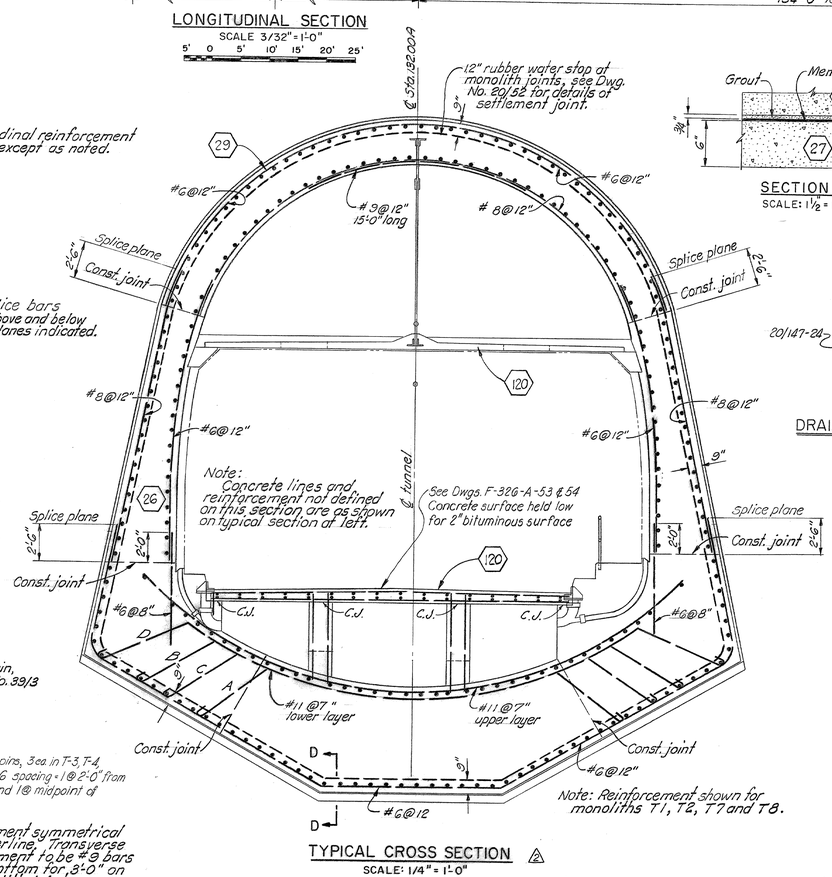
SULLIVAN-MCKEEVER CO., INC., BUFFALO No. 149 TRACING CLOTH 7-58-500



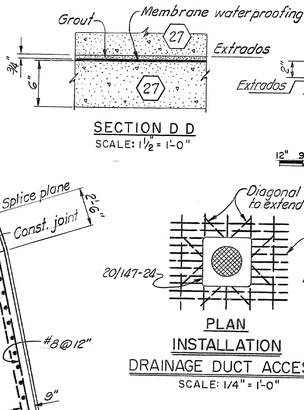
LONGITUDINAL SECTION
SCALE 3/32" = 1'-0"
5' 0 5' 10' 15' 20' 25'



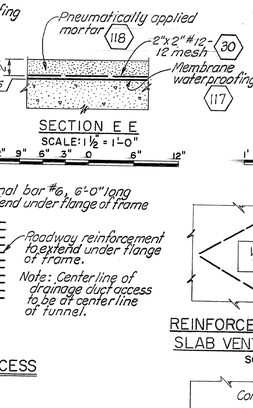
TYPICAL CROSS SECTION ⚠2
SCALE: 1/4" = 1'-0"
4' 0 4' 8'



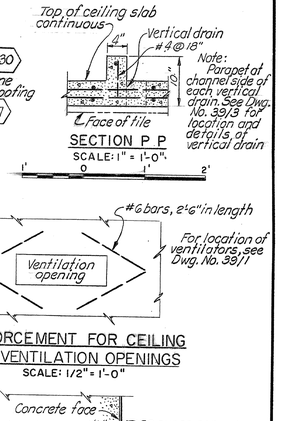
TYPICAL CROSS SECTION ⚠2
SCALE: 1/4" = 1'-0"



SECTION D D
SCALE: 1½" = 1'-0"



SECTION E E
SCALE: 1½" = 1'-0"
12" 9" 6" 3" 0 6" 12"

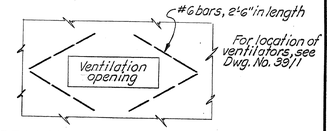


SECTION P P
SCALE: 1" = 1'-0".
1' 0 1' 2'

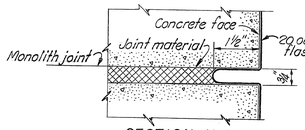
Note: Parapet at channel side of each vertical drain. See Dwg. No. 39/3 for location and details of vertical drain

PLAN
INSTALLATION
DRAINAGE DUCT ACCESS
SCALE: 1/4" = 1'-0"

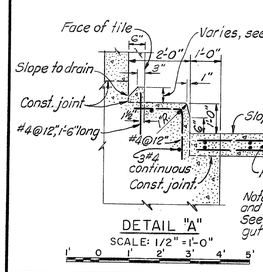
Note: Center line of drainage duct access to be at center line of tunnel.



REINFORCEMENT FOR CEILING
SLAB VENTILATION OPENINGS
SCALE: 1/2" = 1'-0"

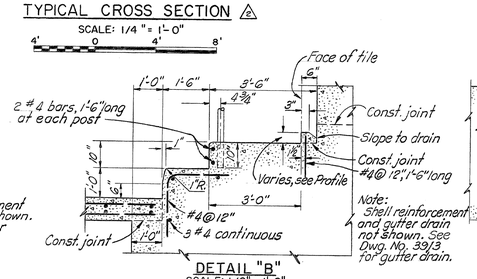


SECTION X X
SCALE 6" = 1'-0"



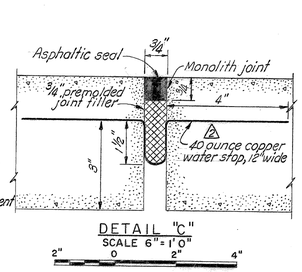
DETAIL "A"
SCALE: 1/2" = 1'-0"
1' 0 1' 2' 3' 4' 5'

Note: Shell reinforcement and gutter drain not shown. See Dwg. No. 39/3 for gutter drain.

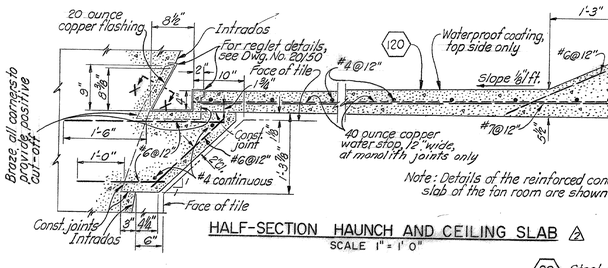


DETAIL "B"
SCALE: 1/2" = 1'-0"

Note: Shell reinforcement and gutter drain not shown. See Dwg. No. 39/3 for gutter drain.



DETAIL "C"
SCALE 6" = 1'0"
2" 0 2" 4"



HALF-SECTION HAUNCH AND CEILING SLAB ⚠2
SCALE 1" = 1'0"

Note: Details of the reinforced concrete ceiling slab of the fan room are shown on Dwg. No. 20/53

Symmetrical about ℄

29 Steel reinforcement

NOTES

For general notes, see Dwg. No. 20/2.
Except as otherwise indicated all tunnel dimensions are given normal to road grade.
Ceiling elevations shown refer to the bottom of the reinforced concrete slab.
Suspended ceiling support angles to provide ¾" clearance at monolith joints.
See Dwg. No. 20/41 for details of electrical handholes.
Railing posts to be installed vertically.
For general reinforcement notes, see Dwg. No. 20/22.
¾" premolded joint material at each monolith joint.
⬡ indicates payment item number.

(Refer to Dwgs. F-326-A-53, 54)

AS CONSTRUCTED

SUBMITTED: Asst. Chief, CONSTRUCTION DIVISION
APPROVED: Col., C. E. DISTRICT ENGINEER

REVISION	DATE	DESCRIPTION	BY	BY
⚠2	6/19/56	Rev. reinforcement & waterstops, added C.J.'s.	WWB	SSB
⚠1	12/5/55	Redrawn. Tunnel dimensions revised.	SSB	WWB

SAINT LAWRENCE SEAWAY DEVELOPMENT CORPORATION
CORPS OF ENGINEERS, U. S. ARMY — CONSTRUCTION AGENT
OFFICE OF THE DISTRICT ENGINEER — BUFFALO 7, NEW YORK

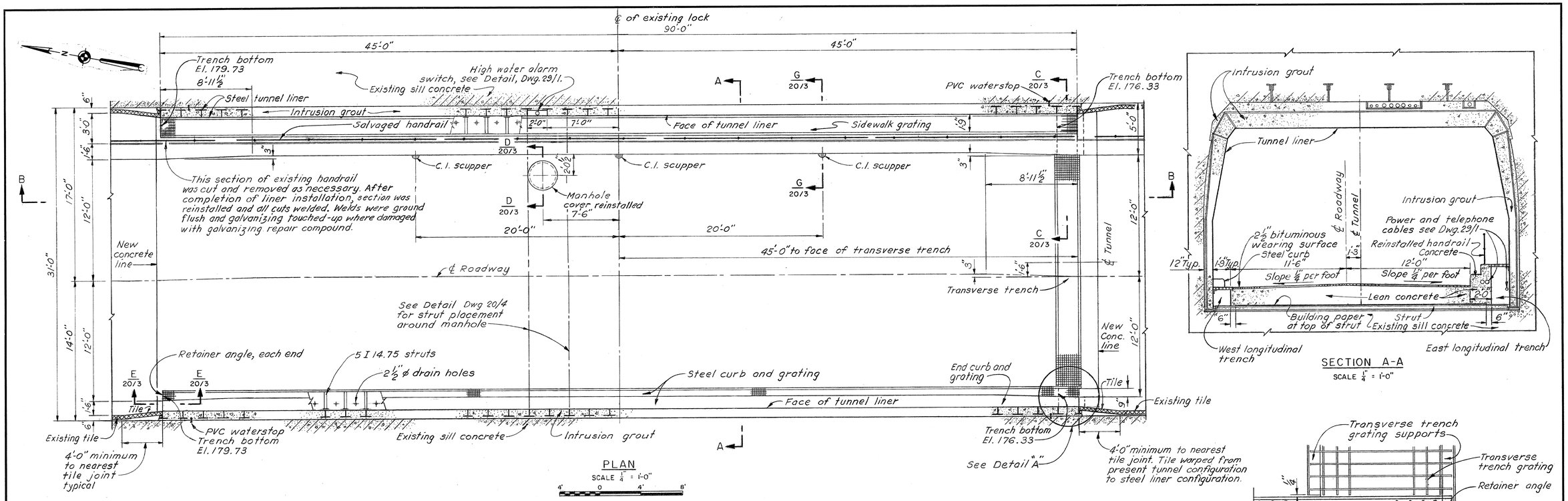
DRAWN BY: R. J. M.
DESIGNED BY: C. S. B.
CHECKED BY: WWB
SUBMITTED BY: Chief, Design Branch
APPROVAL RECOMMENDED: Chief, Engineering Division
APPROVED: Col., C. E. District Engineer
DATE: 1 OCTOBER 1955

ST. LAWRENCE SEAWAY
ROBINSON BAY LOCK
TUNNEL
SECTION THRU EMBANKMENT

SAINT LAWRENCE SEAWAY DEVELOPMENT CORPORATION
Chief Engineer — Deputy Administrator
SCALE: AS SHOWN | SPEC. NO.
DWG. NO. 326-C-20/51
SHEET OF

1-9-122

SULLIVAN-MCGEEHAN CO., INC., BUFFALO NO. 196 TRACING CLOTH 7-55-500



NOTES:

ALL FEATURES LABELED ON THIS DRAWING INDICATE WORK DONE UNDER THIS CONTRACT UNLESS DESCRIBED AS EXISTING.

TUNNEL LINER FRAME AND MISCELLANEOUS METALS ARE DETAILED ON DWG. 20/4 AND 20/5.

LIGHTING ARRANGEMENT AND DETAILS ARE NOT SHOWN ON THIS DRAWING. FOR DETAILS, SEE DWG. 29/1.

AS CONSTRUCTED DETAILS ARE ONLY APPROXIMATE DUE TO LACK OF CONSTRUCTION RECORDS.

AS CONSTRUCTED

SUBMITTED: O.H. Hennigson, CHIEF, OPERATIONS DIVISION

APPROVED: Roy Wilson, COL., C.E. DISTRICT ENGINEER

REVISION	DESCRIPTION	APPROVAL	DATE

SAINT LAWRENCE SEAWAY DEVELOPMENT CORPORATION
SEAWAY CIRCLE MASSENA, NEW YORK 13662

PREPARED BY
U. S. ARMY ENGINEER DISTRICT, BUFFALO
CORPS OF ENGINEERS BUFFALO, NEW YORK 14207

BUFFALO DISTRICT OFFICE
DRAWN BY: J.H.R.
DESIGNED BY: [illegible]
CHECKED BY: [illegible]
SUBMITTED BY: Joseph D. Desmond, CHIEF, DESIGN BRANCH
APPROVAL RECOMMENDED: [illegible], CHIEF, ENGINEERING DIVISION

ST. LAWRENCE SEAWAY
DWIGHT D. EISENHOWER LOCK
HIGHWAY TUNNEL AND LIFT GATE SILL REPAIR

TUNNEL REPAIRS

APPROVED: R. Wilson Reed, COL., C.E. DISTRICT ENGINEER — DATE: 23 JUN 67

SAINT LAWRENCE SEAWAY DEVELOPMENT CORPORATION
W. M. Goodman, SUPT. OPER. & MAINT. — J. McClennen, ADMINISTRATOR

SCALE: AS SHOW
SPEC. NO. DACW49 68 R 0002
DWG. NO. SLS-326-R-20/2
SHEET 4 OF 13

SULLIVAN-MCKEEGAN CO., INC., BUFFALO NO. 17 0183 TRACING CLOTH 50-247

1-8-2-13