

DETAILED PLANS

BROOKFIELD SANITARY INTERCEPTOR SEWER

CONTRACT 2 (EPA C 390775-010)

CITY OF MASSILLON-TUSCARAWAS TOWNSHIP

STARK COUNTY, OHIO - 1977

CITY OF MASSILLON OFFICIALS

MAYOR MARK ROSS
DIRECTOR OF SAFETY & SERVICE BLASE J. SPARMA
SOLICITOR THOMAS V. FERRERO
AUDITOR MAXINE WURZBACHER
TREASURER ESTHER HAAS
ENGINEER ROBERT WAGONER
WASTE & WASTEWATER SUPT. ROBERT BUSHMAN

COUNCIL

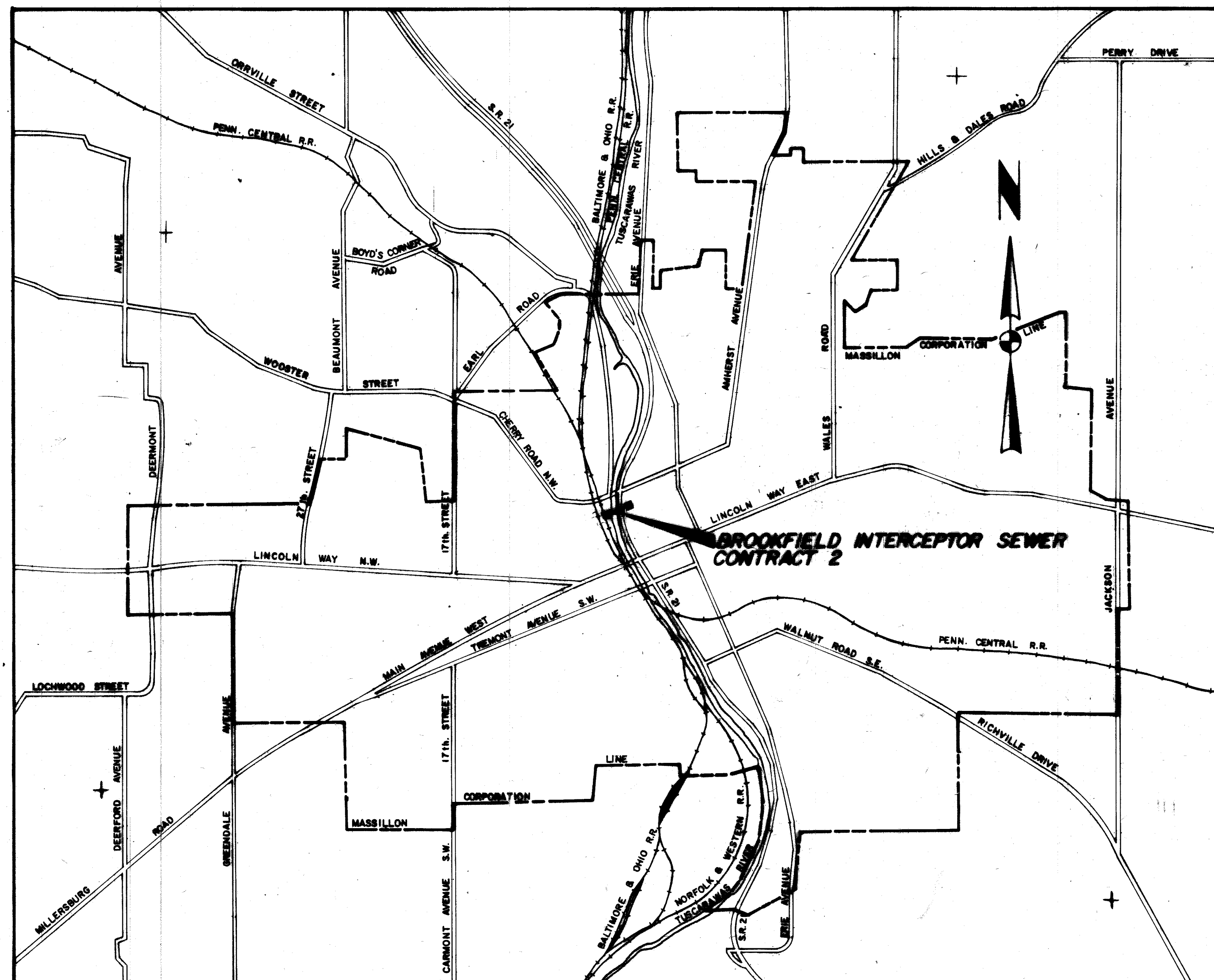
PRESIDENT OF COUNCIL MELVILLE HERNCANE
COUNCILMAN-AT-LARGE PAUL STERGIOS
COUNCILMAN-AT-LARGE MARTHA A. HOWELL
COUNCILMAN-AT-LARGE VINCENT SNYDER
WARD ONE RON MANG
WARD TWO FRANK CICCHINELLI
WARD THREE DAVE KLEKNER
WARD FOUR PAULINE LEMON
WARD FIVE HELEN MAIER
WARD SIX ANTHONY EAGLOWSKI

STARK COUNTY OFFICIALS

COMMISSIONER VIRGIL L. MUSSER
COMMISSIONER NORMAN W. SPONSELLER
COMMISSIONER ROBERT C. SCHIRACK
COUNTY ADMINISTRATOR WILLIAM KEEN
COUNTY SANITARY ENGINEER WILLIAM J. VEROSKI
COUNTY AUDITOR WILLIAM BOWMAN
PROSECUTING ATTORNEY JAMES UNGER

NOTE:

ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED.



LOCATION MAP
0 1000 2000 4000
SCALE IN FEET

PREPARED BY:

FRANK A. THOMAS & ASSOCIATES, INC.

CONSULTING ENGINEERS
WILLOUGHBY - NORTH CANTON, OHIO

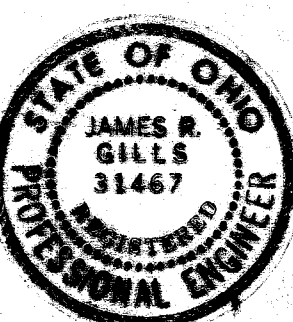
APPROVALS

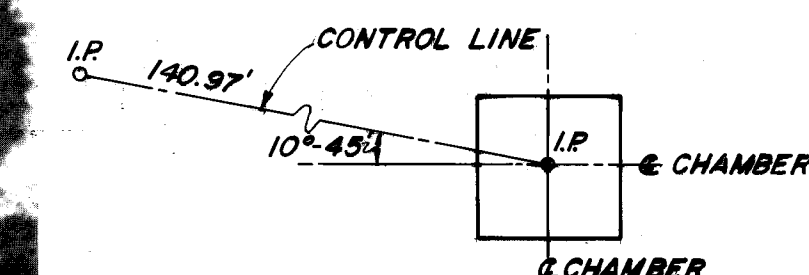
APPROVED BY: DATE:
Blase J. Sparma April 26, 1977
MASSILLON SAFETY & SERVICE DIRECTOR
Robert J. Wagoner APRIL 26, 1977
MASSILLON CITY ENGINEER

STARK COUNTY COMMISSIONERS:
Virgil L. Musser 4-28-77
PRESIDENT
Norman W. Sponseller 4-28-77
MEMBER
Robert C. Schirack 4-28-77
MEMBER
William J. Veroski April 26, 1977
STARK COUNTY SANITARY ENGINEER

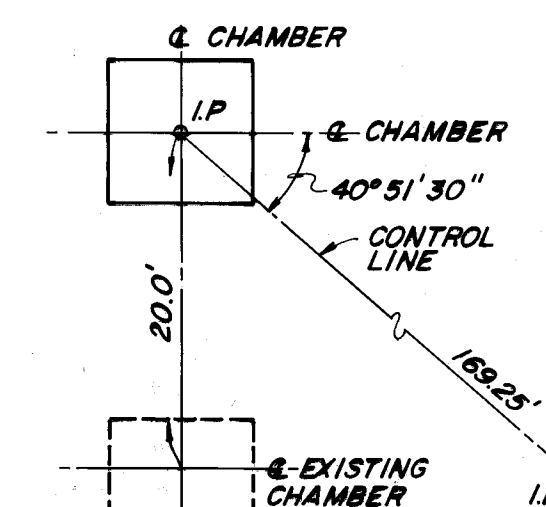
INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	PROJECT LOCATION & SOIL BORING LOCATIONS
3	PLAN AND PROFILE OF RIVER CROSSING
4	SPECIAL STRUCTURE 2-1
5	SPECIAL STRUCTURE 2-1 AND 2-2
6	SCHEDULES AND MISCELLANEOUS DETAILS





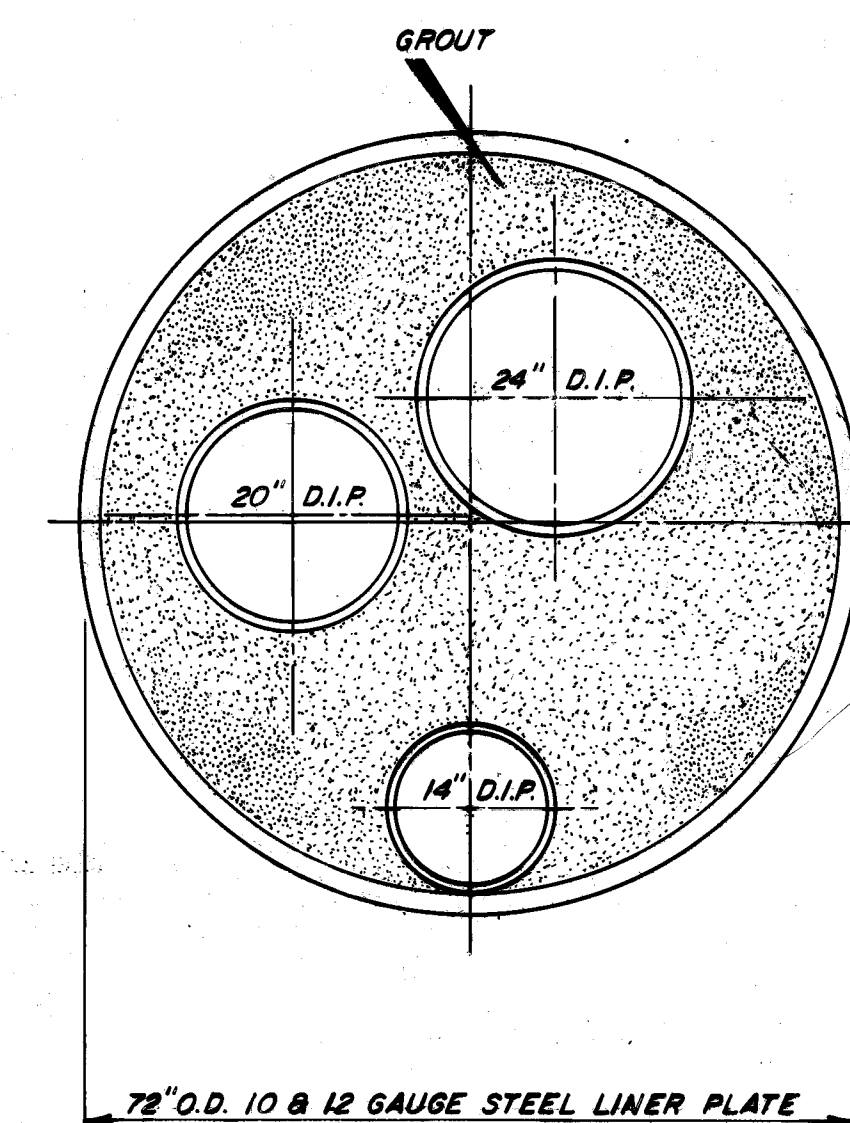
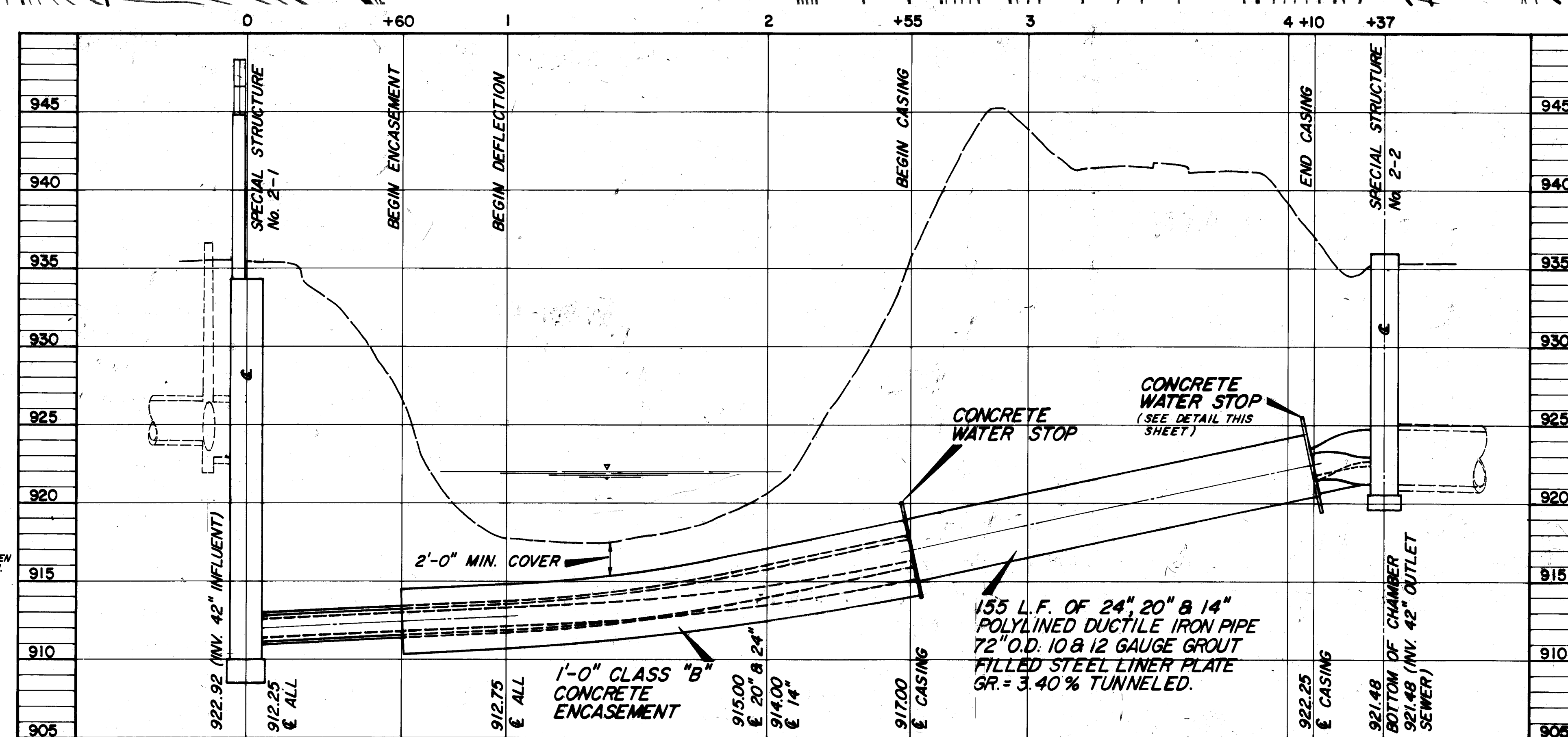
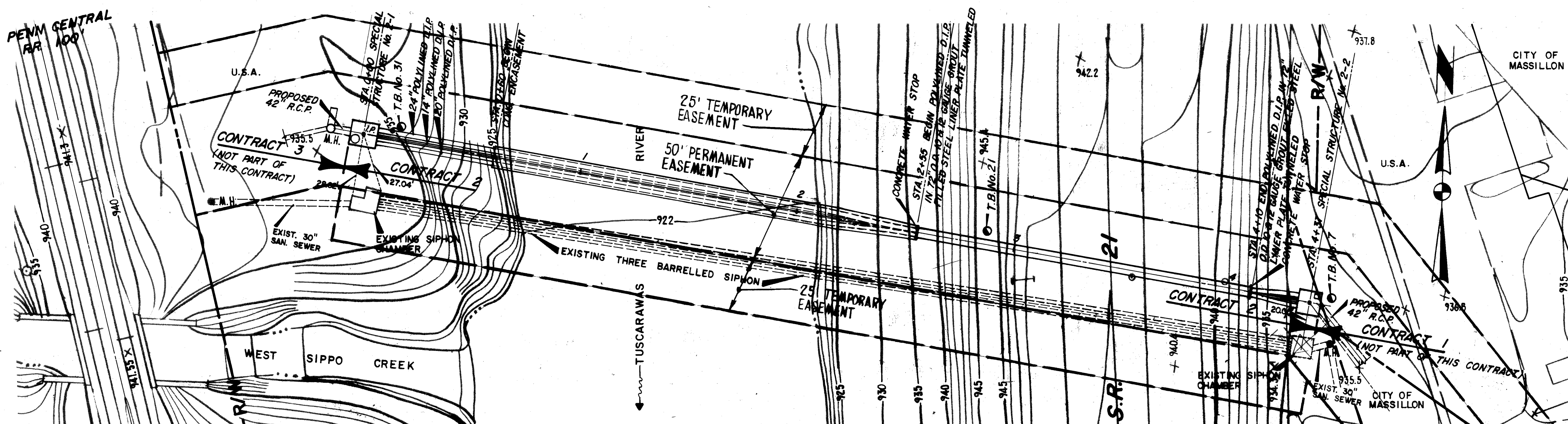
**ORIENTATION PLAN
SPECIAL STRUCTURE № 2-1**



**ORIENTATION PLAN
SPECIAL STRUCTURE №2-2**

NOTE: CONTRACTOR TO NOTIFY U.S. ARMY
CORPS OF ENGINEERS PRIOR TO BEGINNING
ANY JACKING AND BORING OPERATIONS.
ADDRESS: DEPARTMENT OF THE ARMY
HUNTINGTON DISTRICT, CORPS
OF ENGINEERS
P.O. BOX 2127
HUNTINGTON, W. VA. 25721

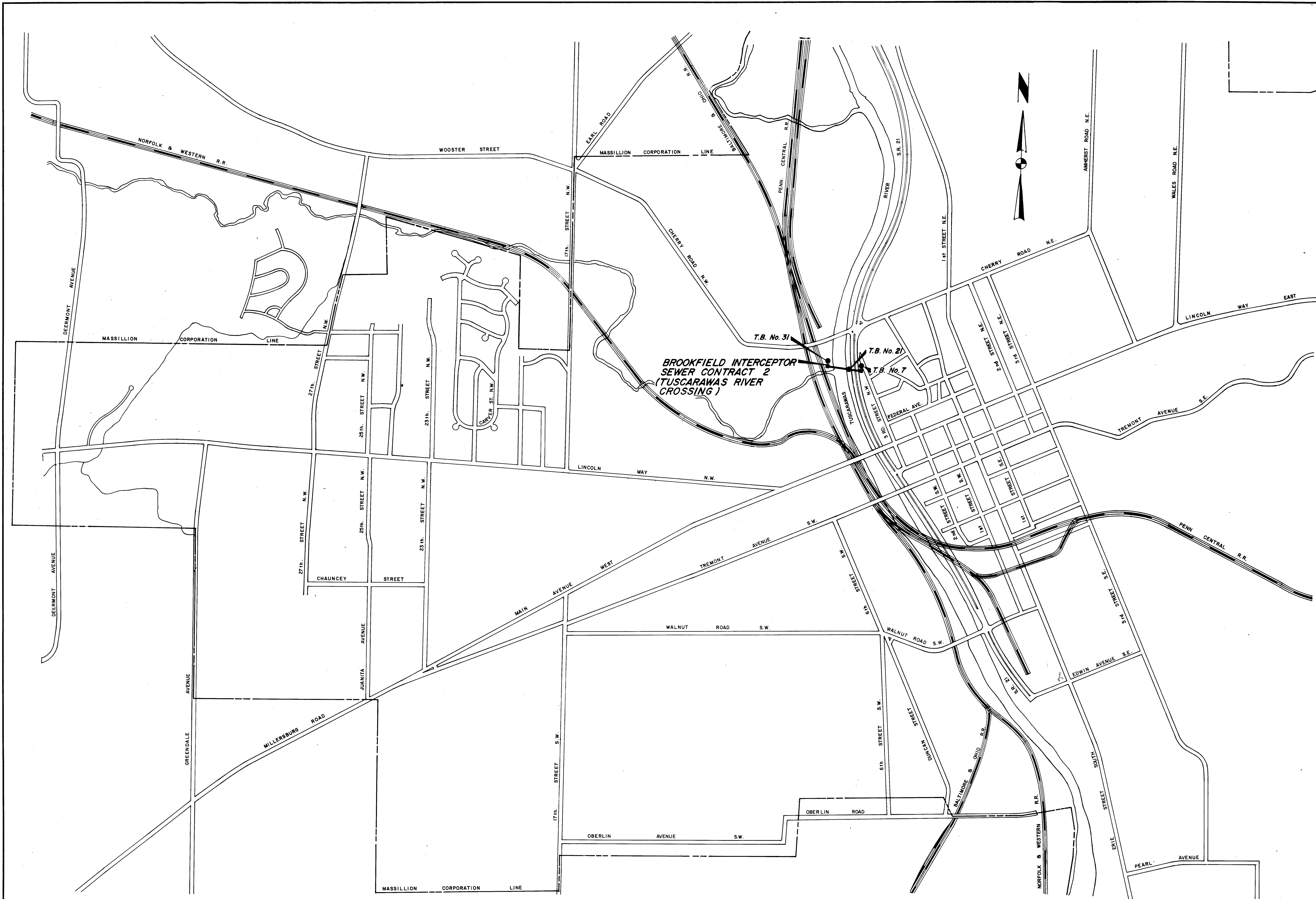
**NOTE: EASEMENTS SHOWN ARE
IN THE PROCESS OF BEING
ACQUIRED.**



**TYPICAL SECTION THROUGH
D.I.P. IN LINER PLATE**
NO SCALE

SE-572 Acc No 289

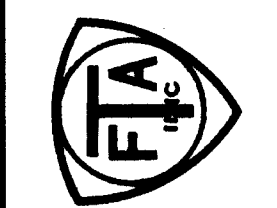
AS BUILT JAN. 1979 CONTRACT 2



DRAWN BY: R.J.S.
CHECKED BY: P.W.S., D.A.D.
DATE: APRIL, 1977

FRANK A. THOMAS & ASSOCIATES, INC.
CONSULTING ENGINEERS
WILLOUGHBY, OHIO

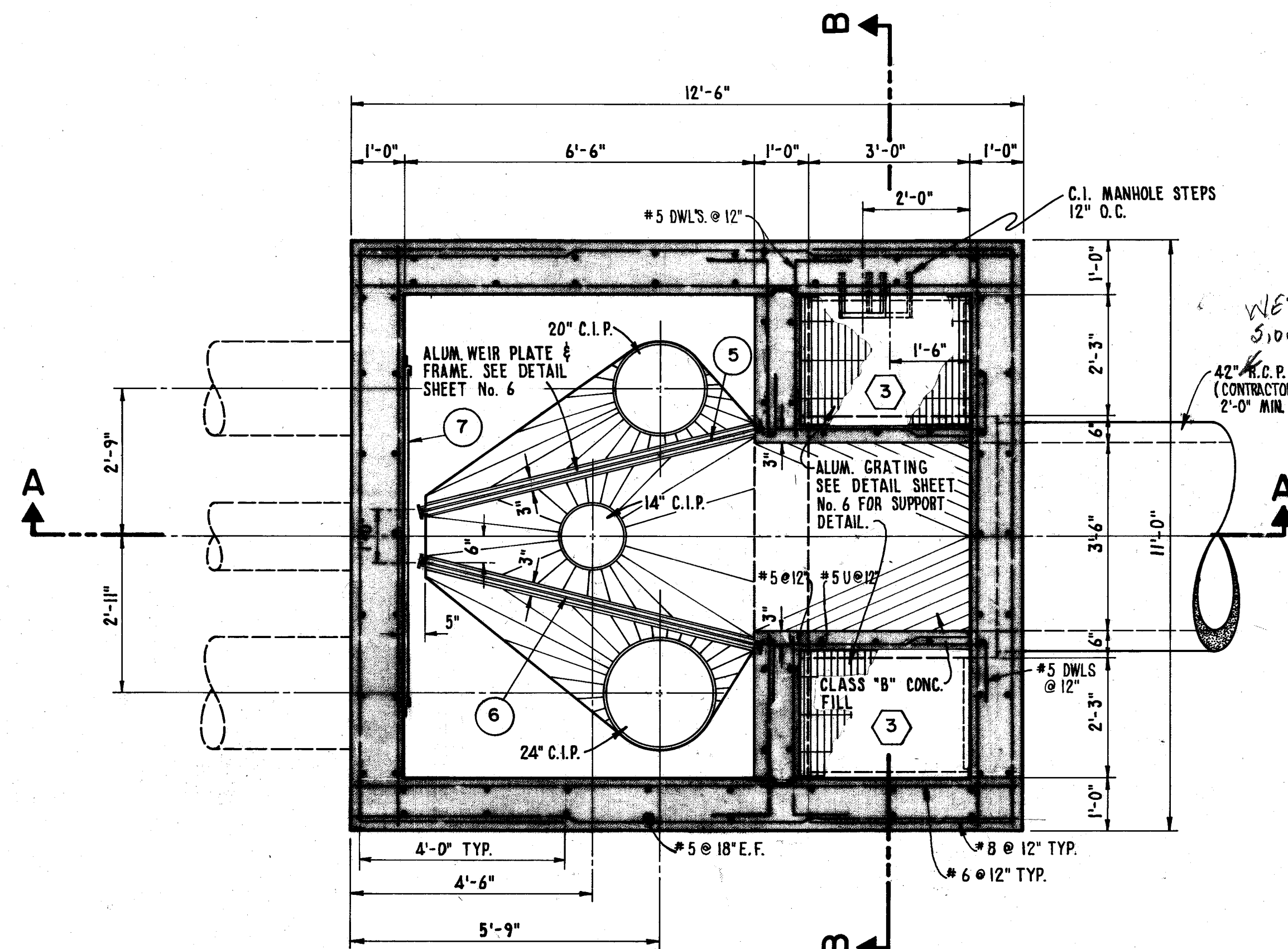
**CITY OF MASSILLON
STARK COUNTY, OHIO
BROOKFIELD SANITARY INTERCEPTOR SEWER
PROJECT LOCATION & SOIL BORING LOCATION**



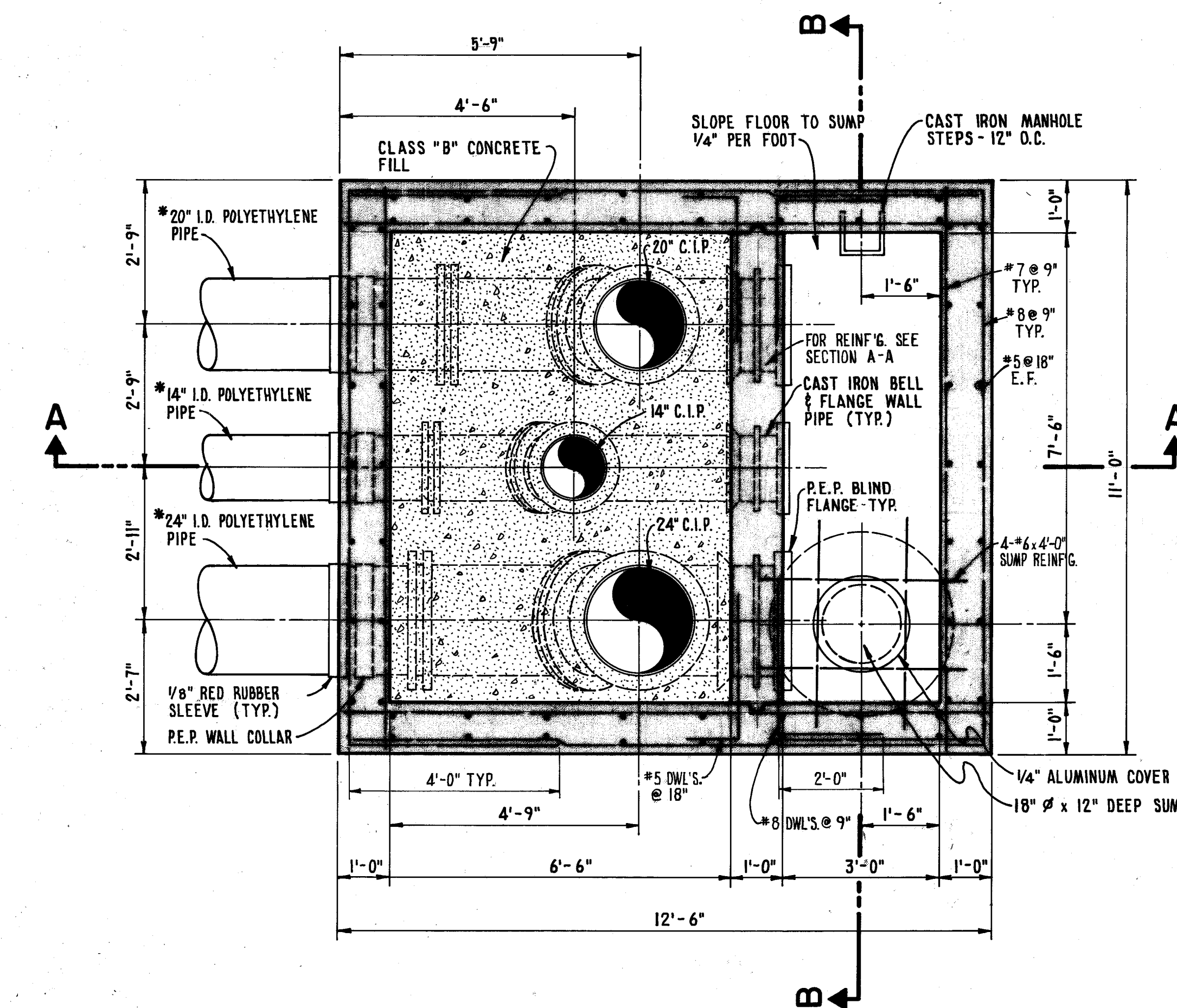
SCALE:
1" = 600' VERT.
77-14.3
2 OF 6 SHEETS

SE-572 Acc No 2890
AS BUILT JAN, 1979 CONTRACT 2

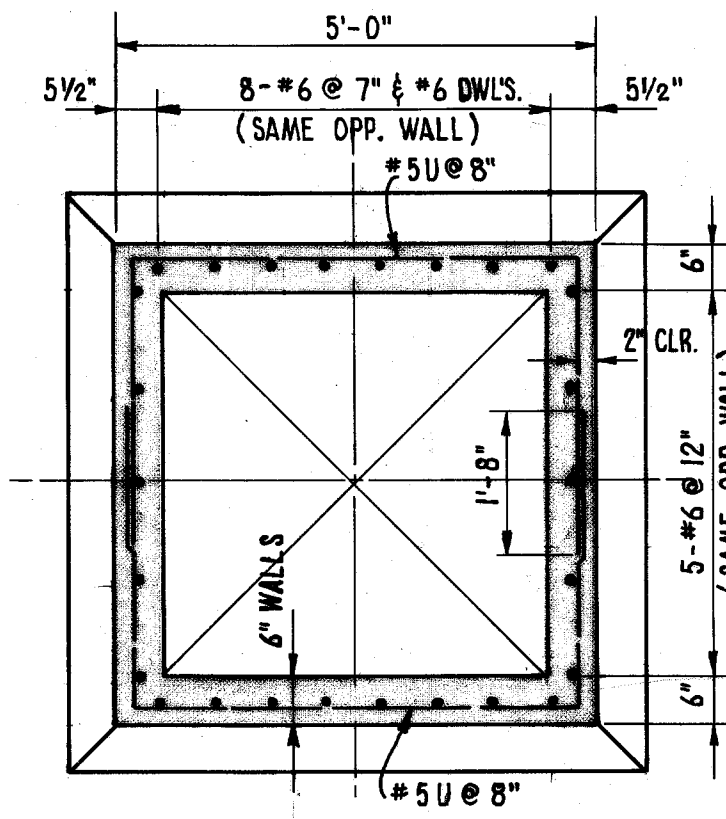
PROJECT LOCATION & SOIL BORING LOCATION



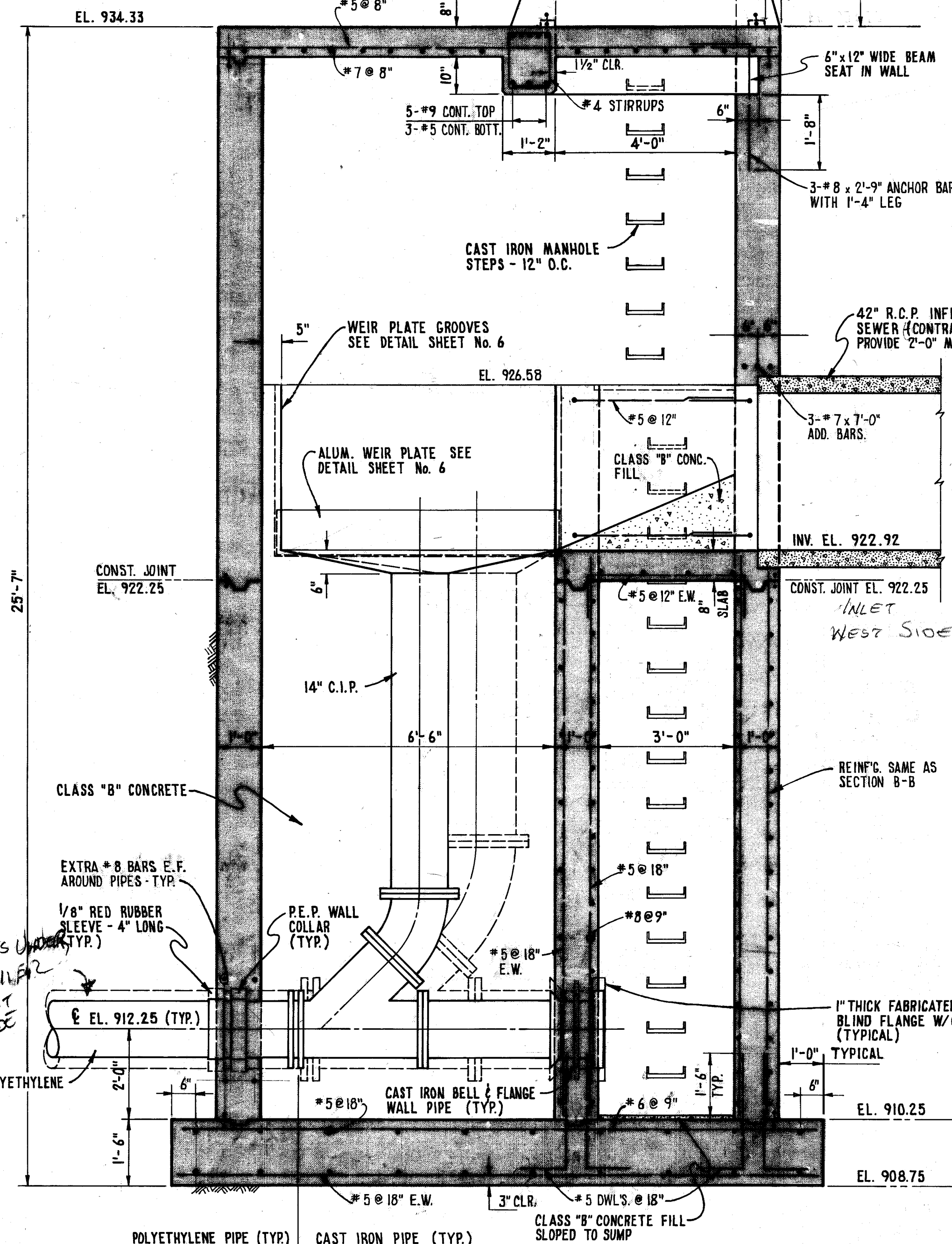
PLAN AT ELEV. 926.58
SCALE: 1/2"=1'-0"



PLAN AT ELEV. 917.00
SCALE: 1/2"=1'-0"

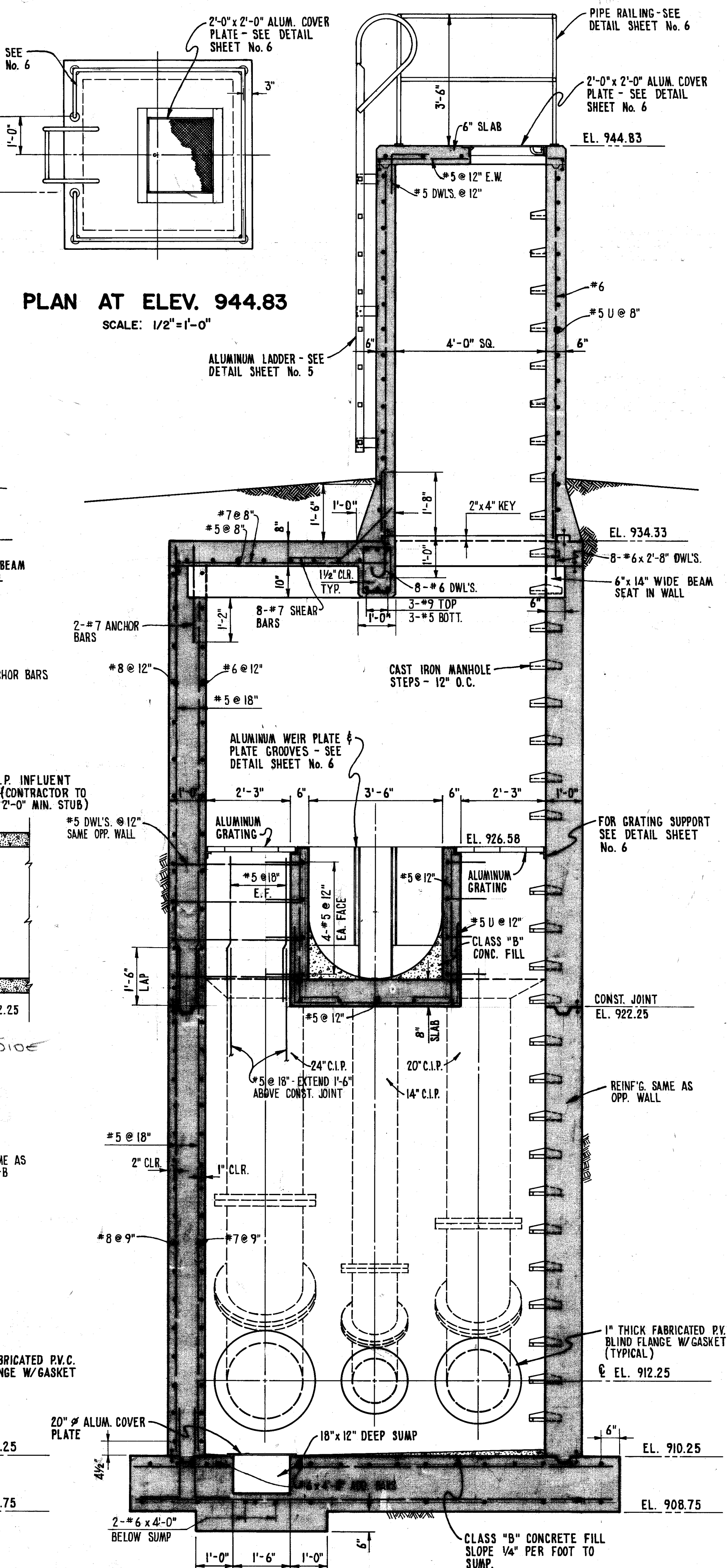


SECTION C-C
SCALE: 1/2"=1'-0"

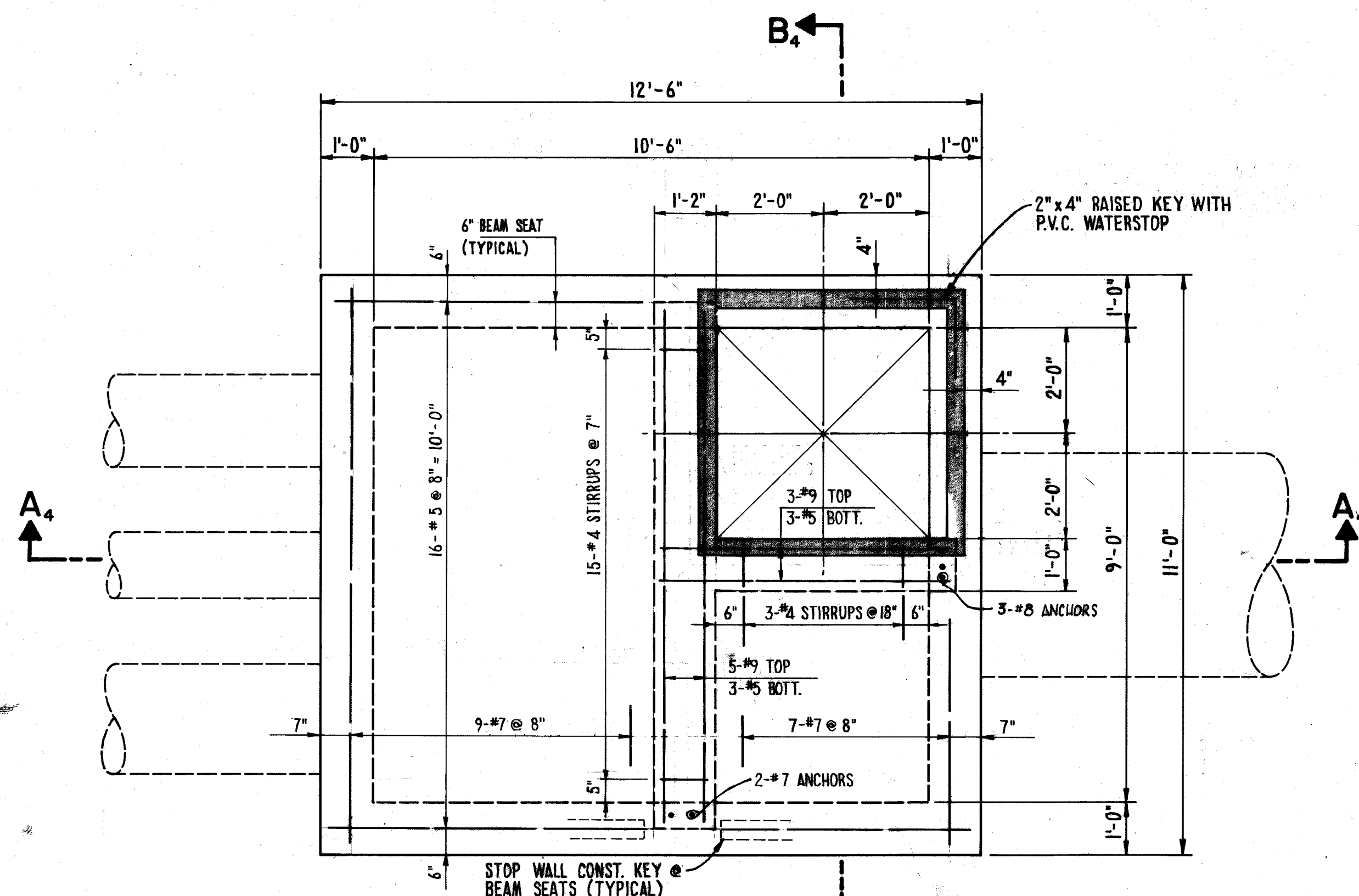


SECTION A-A
SCALE: 1/2"=1'-0"

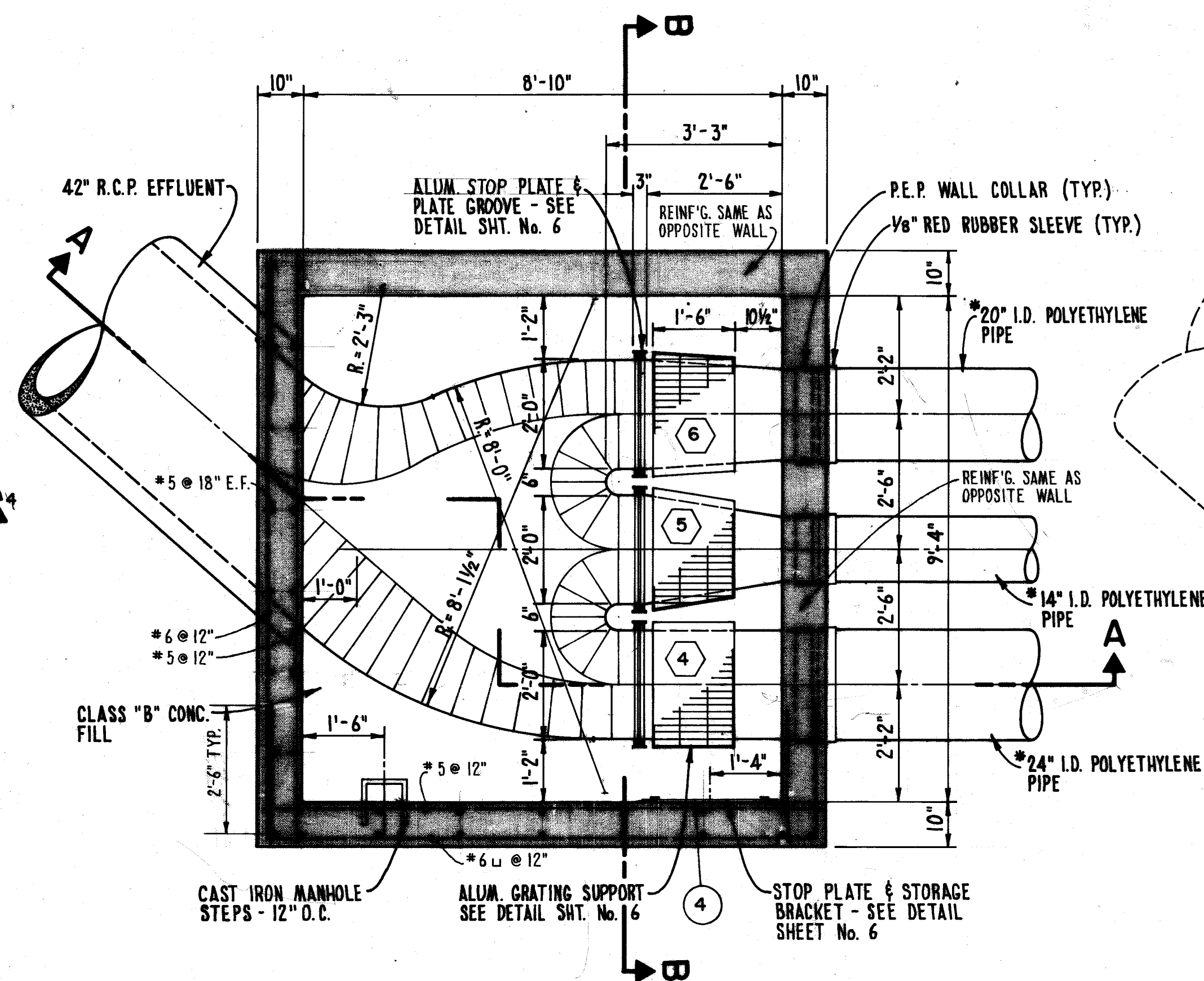
AS BUILT NOTE: POLYLINE DUTILE IRON PIPE USED IN ACTUAL CONSTRUCTION IN PLACE OF ALL R.C.P.



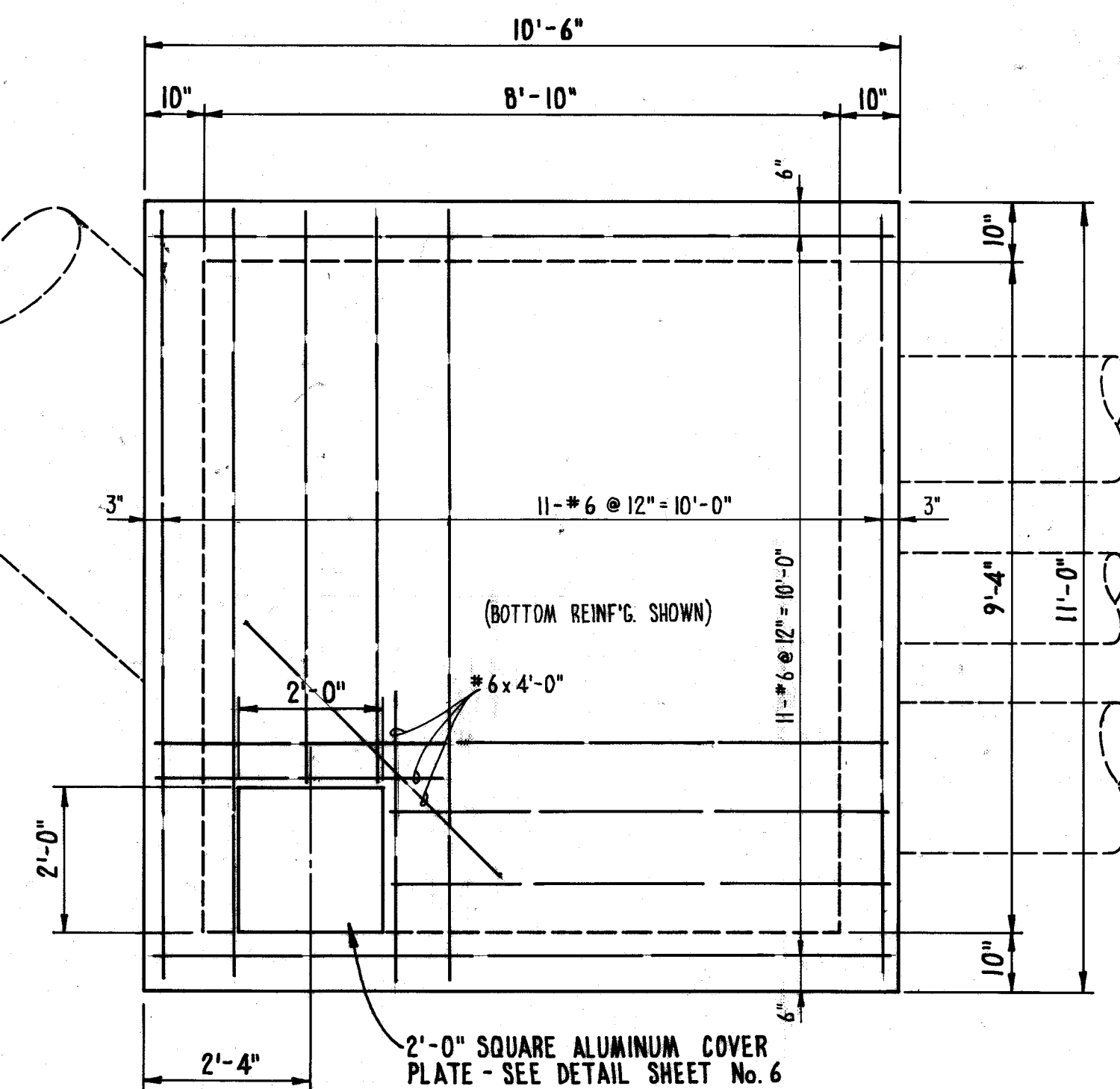
SECTION B-B
SCALE: 1/2"=1'-0"



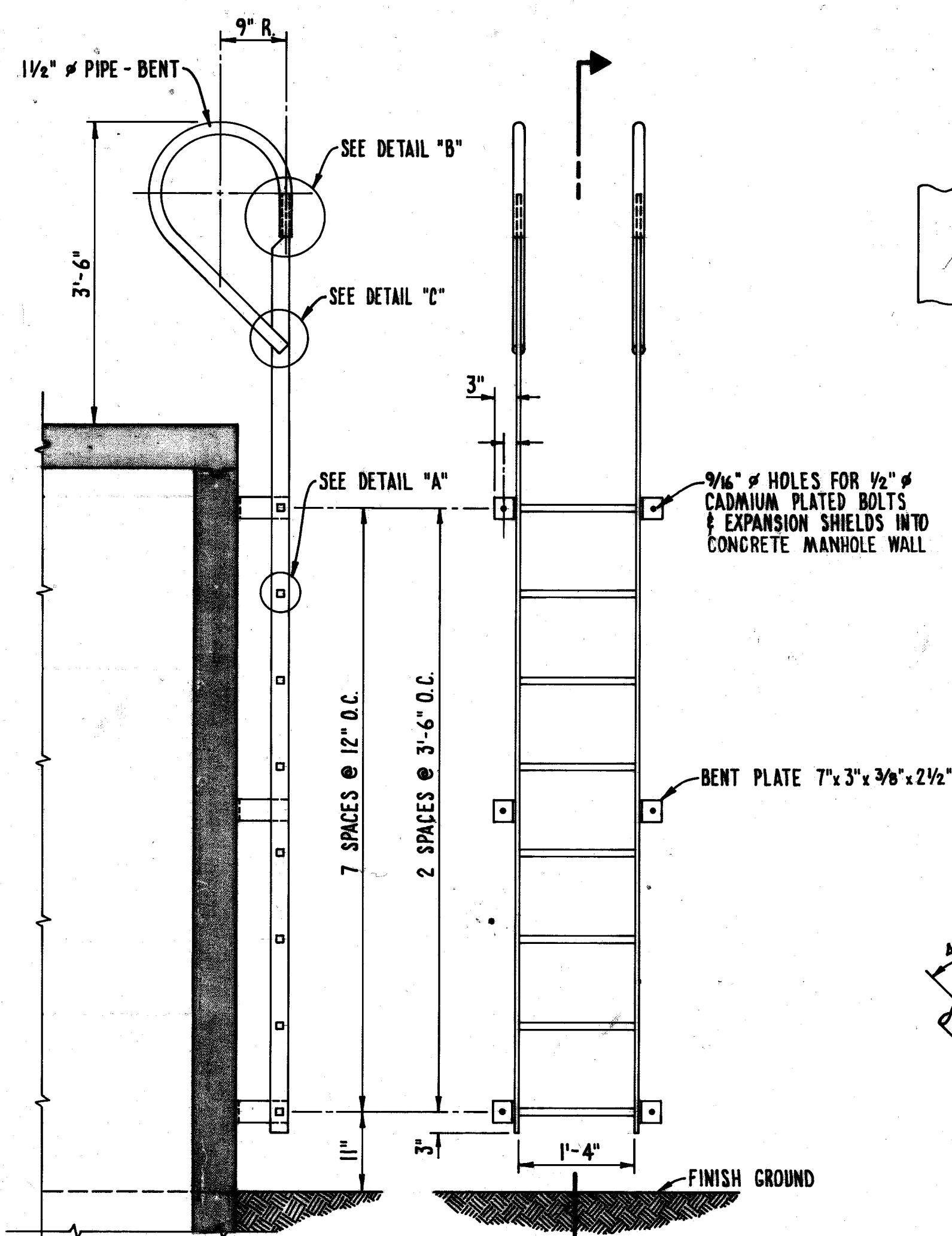
PLAN OF TOP SLAB
SIPHON CHAMBER AT EL. 934.33
SCALE: 1/2"=1'-0"



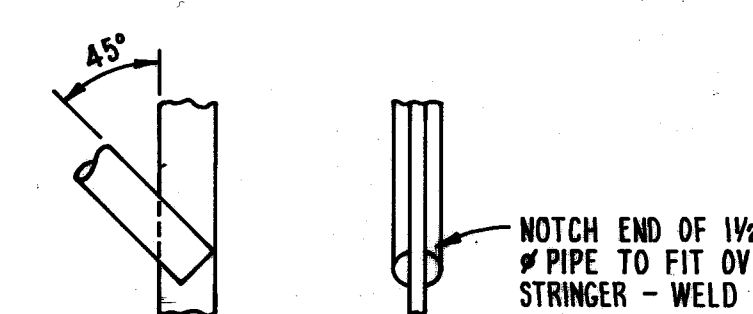
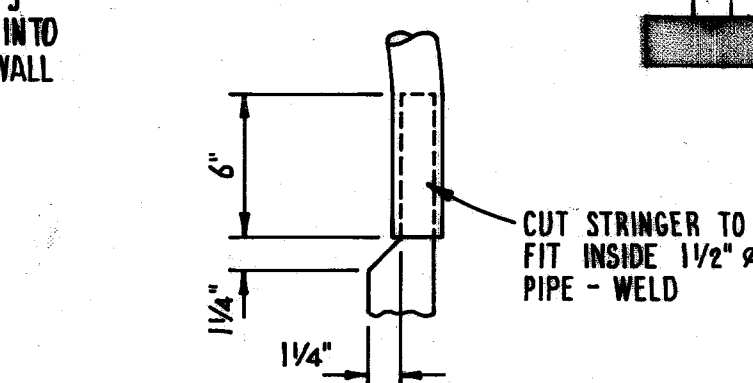
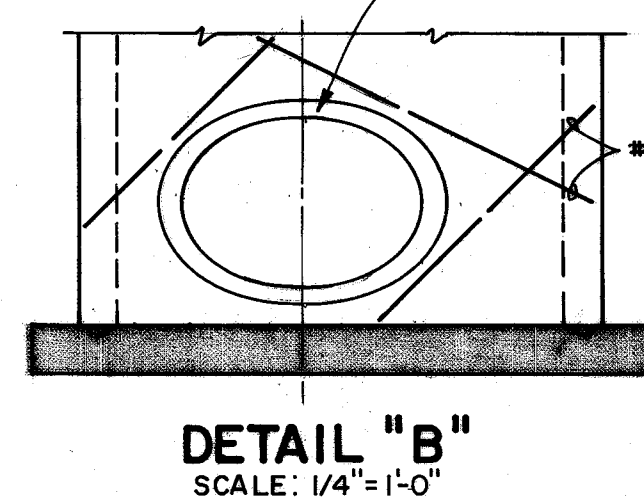
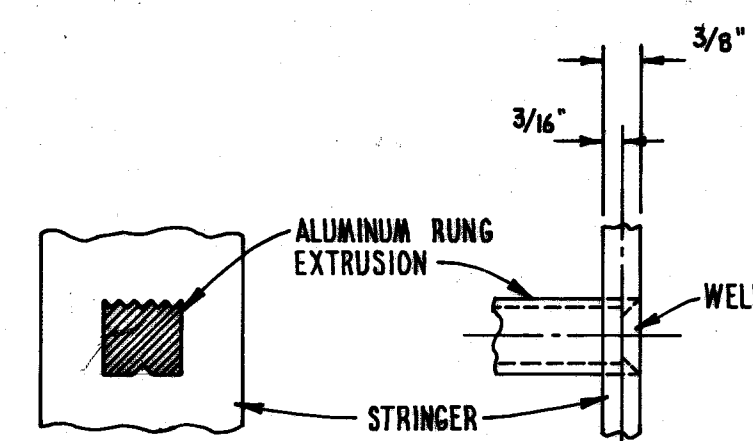
PLAN OF LOWER CHAMBER
SCALE: 1/2"=1'-0"



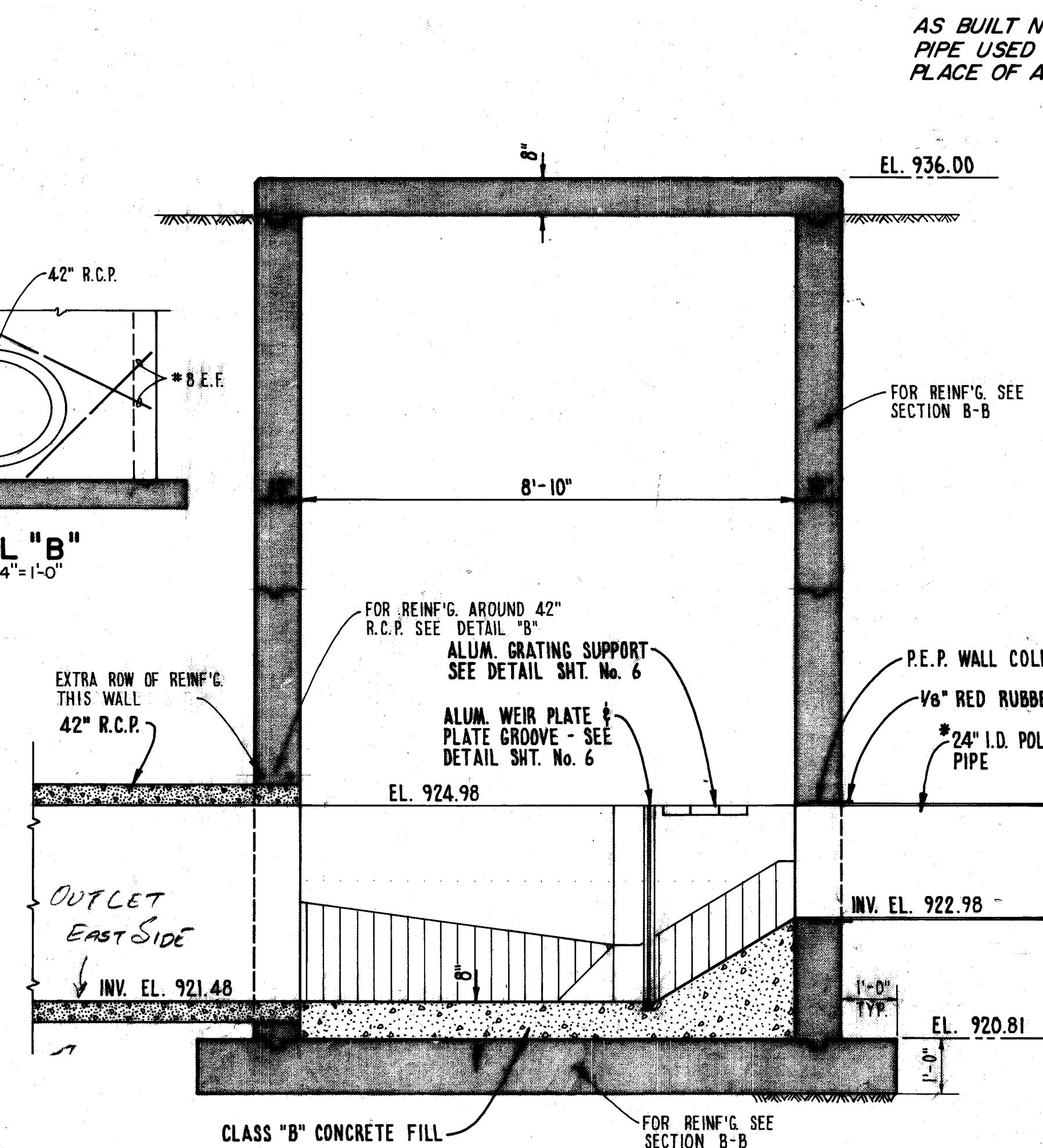
PLAN OF CHAMBER TOP SLAB
SCALE: 1/2"=1'-0"



SECTION ELEVATION
3/4"=1'-0"
ALUMINUM LADDER DETAIL
SCALE: AS SHOWN

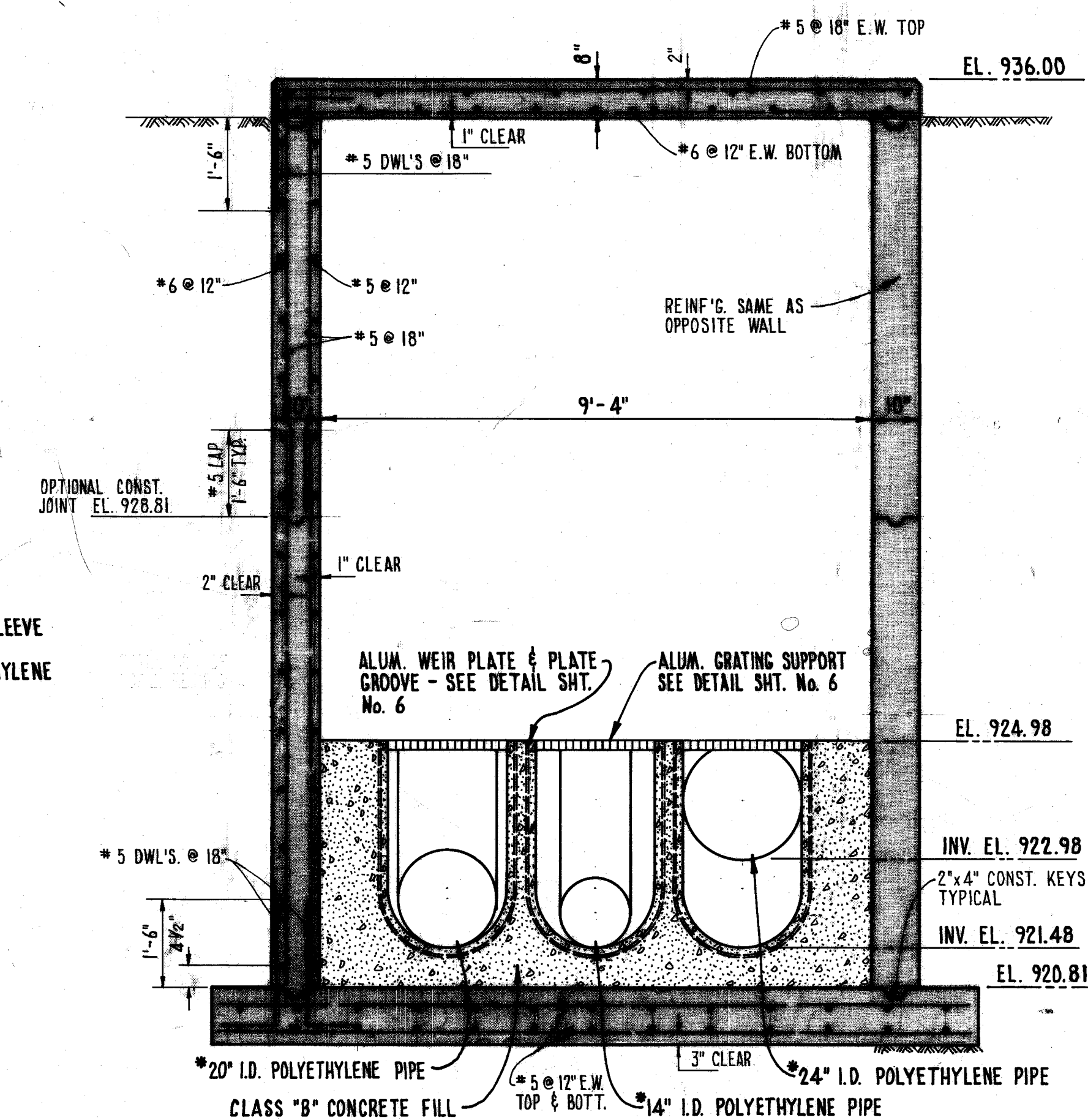


DETAIL "C"
NO SCALE

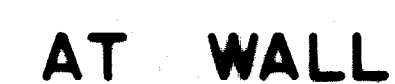
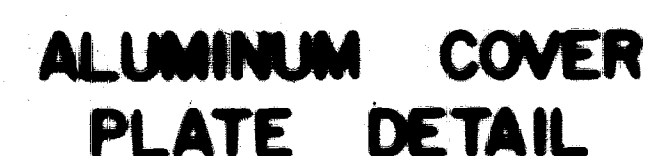


SECTION A-A
SCALE: 1/2"=1'-0"

AS BUILT NOTE: POLYLINE DUTILE IRON PIPE USED IN ACTUAL CONSTRUCTION IN PLACE OF ALL P.E.P.



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



SLIDE GATE/WEIR SCHEDULE

MARK No	LOCATION	W ₁	H ₁ =	W ₂	H ₂	R ₁	R ₂	REMARKS	
1	SPEC. STRUCTURE	1-1	32"	32"	32"	12"	12"	LIFTING HANDLES REQ'D - CENTERED	
2	SPEC. STRUCTURE	1-1	32"	32"	32"	12"	12"	LIFTING HANDLES REQ'D - CENTERED	
3	SPEC. STRUCTURE	1-1	32"	32"	32"	12"	12"	LIFTING HANDLES REQ'D - CENTERED	
4	SPEC. STRUCTURE	2-2	27½"	44"	24"	42"	13¾"	12"	LIFTING HANDLE REQ'D - CENTERED
5	SPEC. STRUCTURE	2-1	75½"	12½"	72"	42"	—	—	—
6	SPEC. STRUCTURE	2-1	75½"	29½"	72"	42"	—	—	—
7	SPEC. STRUCTURE	2-1	75½"	31½"	72"	42"	—	—	2 LIFTING HANDLES 6" FROM EACH END

FLOOR GRATING SCHEDULE

MARK NO	LOCATION	L	W	D	REMARKS
1	SPEC. STRUCTURE 2-1	36 1/2"	27 1/2"	1 1/4"	2 REQ'D
2	SPEC. STRUCTURE 2-2	18"	26 1/2"	1 1/4"	1 REQ'D
3	SPEC. STRUCTURE 2-2	18"	26 1/2"	1 1/4"	1 REQ'D
4	SPEC. STRUCTURE 2-2	18"	26 1/2"	1 1/4"	1 REQ'D



SLIDE GATE STORAGE BRACKET DETAIL

SE-572 Acc. No 2894

AS BUILT JAN., 1979

FRANK A. THOMAS & ASSOCIATES, INC.

**CITY OF MASSILLON
STARK COUNTY, OHIO
BROOKFIELD SANITARY INTERCEPTOR SEWER
SCHEDULES AND MISCELLANEOUS DETAILS**



SCALE: **AS NOTED**

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SCHEDULES AND MISCELLANEOUS DETAILS

CONTRACT 2