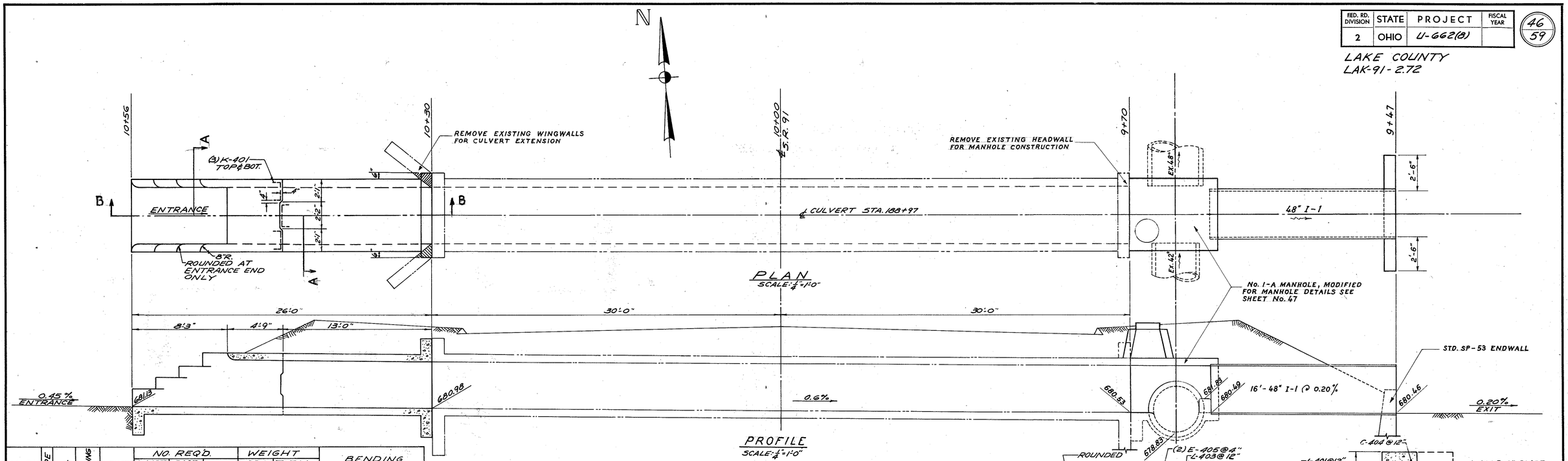
FED. RD. DIVISION	STATE	PROJECT	FISCAL YEAR
2	OHIO	U-662(8)	

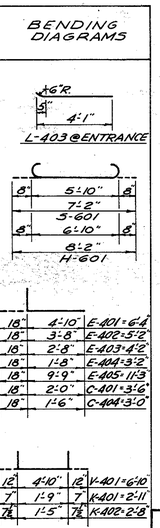
46
59

LAKE COUNTY
LAK-91-2.72



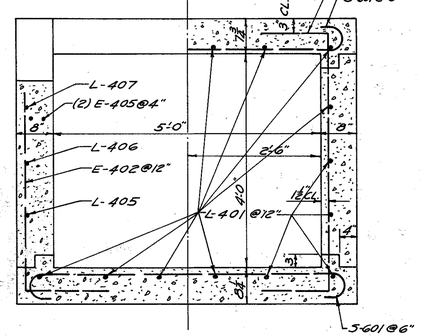
MARK	TYPE	ø	SPACING	LENGTH	NO. REQ'D. WEST END ENTRANCE	NO. REQ'D. EAST END EXIT	NO. REQ'D. TOTAL	WEIGHT LBS PER L.F.	WEIGHT TOTAL LBS.
L-401	S	1/2"	12"	12'-5"	24		24	.668	199
L-402	S	1/2"	12"	4'-4"	6		6	.668	17
L-403	B	1/2"	12"	4'-1"	6		6	.668	16
L-405	S	1/2"	12"	9'-8"	2		2	.668	13
L-406	S	1/2"	12"	7'-8"	2		2	.668	10
L-407	S	1/2"	12"	5'-8"	2		2	.668	8
L-601	S	3/4"	12"	2'-0"	18	12	30	1.502	90
S-601	B	3/4"	6"	7'-2"	85		85	1.502	916
V-401	B	1/2"	12"	6'-10"	38		38	.668	173
E-401	B	1/2"	12"	6'-4"	4		4	.668	17
E-402	B	1/2"	12"	5'-2"	4		4	.668	14
E-403	B	1/2"	12"	4'-2"	4		4	.668	11
E-404	B	1/2"	12"	3'-2"	4		4	.668	8
E-405	B	1/2"	SEE WALL	11'-3"	4		4	.668	30
H-601	B	3/4"	STOP & BOT	8'-2"	4		4	1.502	49
C-401	B	1/2"	12"	3'-6"	12		12	.668	28
C-402	S	1/2"	—	6'-8"	1		1	.668	4
C-403	S	1/2"	—	5'-10"	1		1	.668	4
C-404	B	1/2"	12"	3'-0"	6		6	.668	12
K-401	B	1/2"	SEE SLAB	2'-11"	12		12	.668	23
K-402	B	1/2"	SEE WALL	2'-8"	12		12	.668	21
				TOTAL WEIGHT IN LBS. =					1,663

BENDING DIAGRAMS



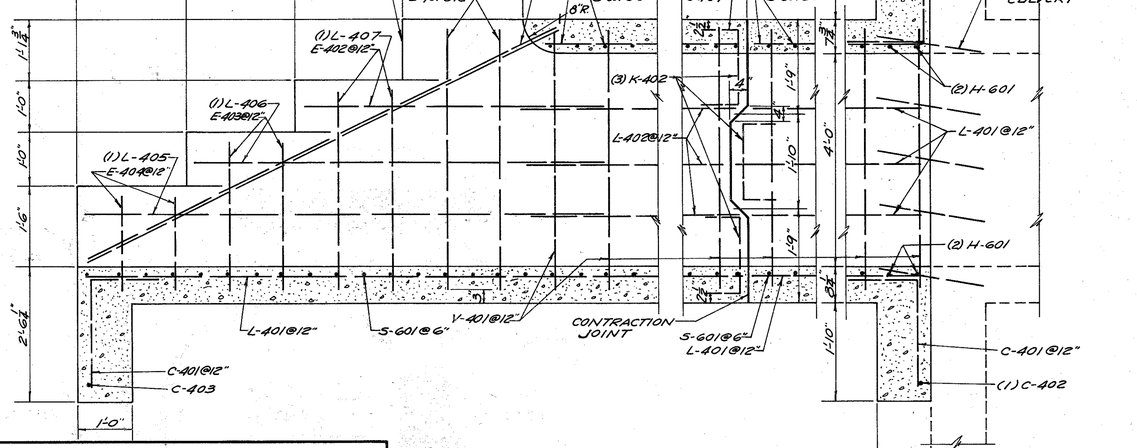
DRAINAGE QUANTITIES

ITEM	UNIT	DESCRIPTION	TOTAL
I-1	LIN. FT.	48" PIPE, CLASS A-1, SEC. M-6.4 (d)	16
I-2	CU. YD.	MASONRY	2
I-8	EACH	STD. No. 1-A MANHOLE, MODIFIED	1
E-2	CU. YD.	EXCAVATION FOR STRUCTURES	10
E-3	CU. YD.	CHANNEL EXCAVATION	340
S-1	CU. YD.	CONCRETE FOR STRUCTURES CLASS "C"	13
S-4	LBS.	REINFORCING STEEL	1,663
S-22	L.S.	REMOVAL OF PORTIONS OF EXISTING STRUCTURE	LUMP
S-23	EACH	DOWEL HOLES	30



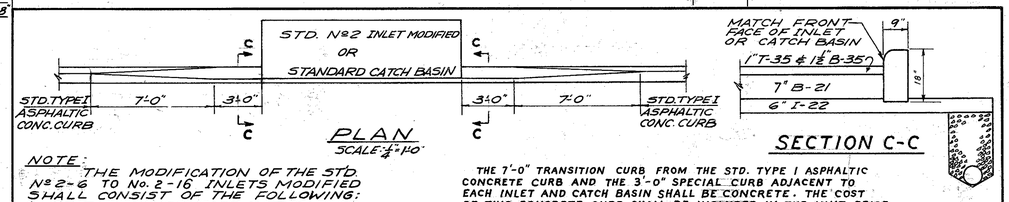
SECTION A-A

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



SECTION B-B

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



PLAN
SCALE: 1/4"=1'-0"

SECTION C-C

NOTE:
THE MODIFICATION OF THE STD. No 2-6 TO No. 2-16 INLETS MODIFIED SHALL CONSIST OF THE FOLLOWING:
(1) OMIT THE CURB FACE ON THE REAR SIDE OF THE INLET IN LIEU THEREOF, THE REAR FACE AND THE END FACES SHALL BE MODIFIED AS DIRECTED BY THE ENGINEER, TO MATCH ABUTTING CONSTRUCTION
(2) OMIT THE DEPRESSED CONCRETE APRON IN FRONT OF THE INLET IN LIEU THEREOF PLACE ASPHALTIC CONCRETE PAVEMENT AS PER TYPICAL SECTIONS.

THE 7'-0" TRANSITION CURB FROM THE STD. TYPE I ASPHALTIC CONCRETE CURB AND THE 3'-0" SPECIAL CURB ADJACENT TO EACH INLET AND CATCH BASIN SHALL BE CONCRETE. THE COST OF THIS CONCRETE CURB SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM I-24 ASPHALTIC CONCRETE CURB.

STD. No 2-6 TO No. 2-16 INLETS MODIFIED & CURB TRANSITION DETAIL

For details not shown see Std. Dwg. SBC-45 Sheets 1 & 2

ADACHE ASSOCIATES INC., ENGINEERS
CLEVELAND 42, OHIO

DRAINAGE DETAILS
S.R. 91 CULVERT
AT STA. 188+97
ADDITION TO EXISTING CULVERT & CATCH BASIN INLET MODIFICATIONS

DESIGNED	DRAWN	CHECKED	REVISED	DATE
	TW	CSF		11-14-63

Rev. 3-5-68