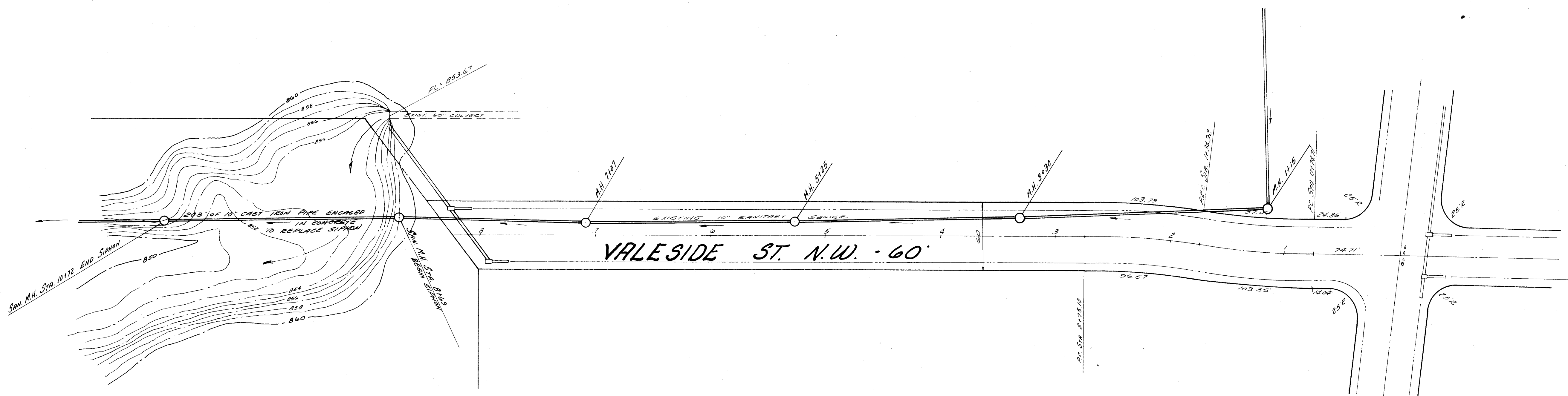


PLAN	SURVEYED	DATE
	NOTE BOOK	BY
	ALIGNED CHECKED	
	RT. OF WAY CHECKED	
	NO.	

5



PLAN APPROVED BY MASSILLON CITY ENGINEER

PLAN APPROVED BY STARK COUNTY SANITARY ENGINEER

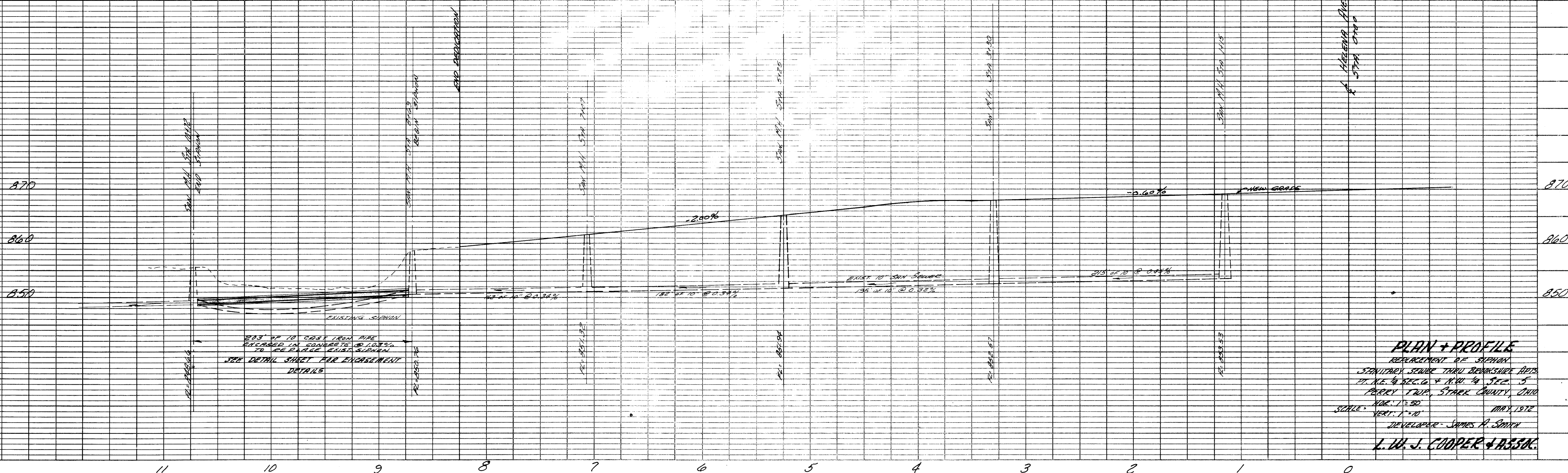
SIGNED

DATE

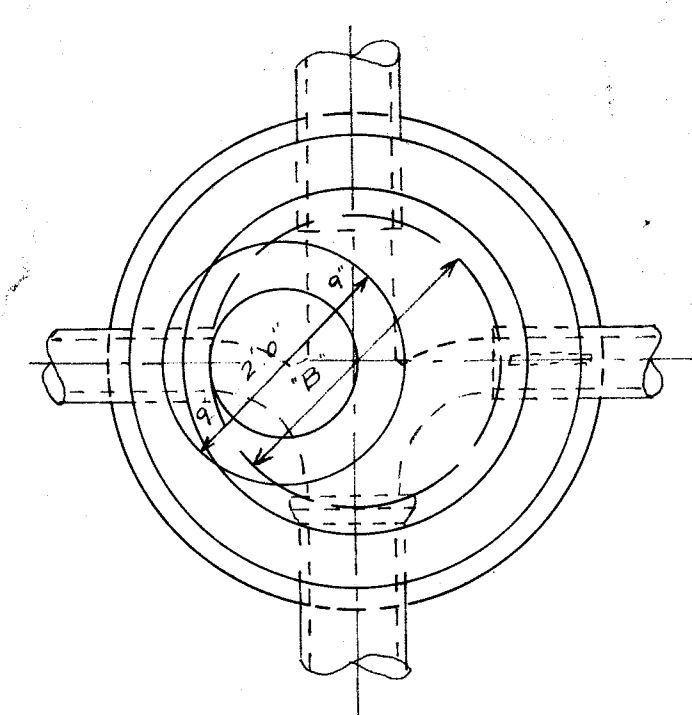
SIGNED

DATE

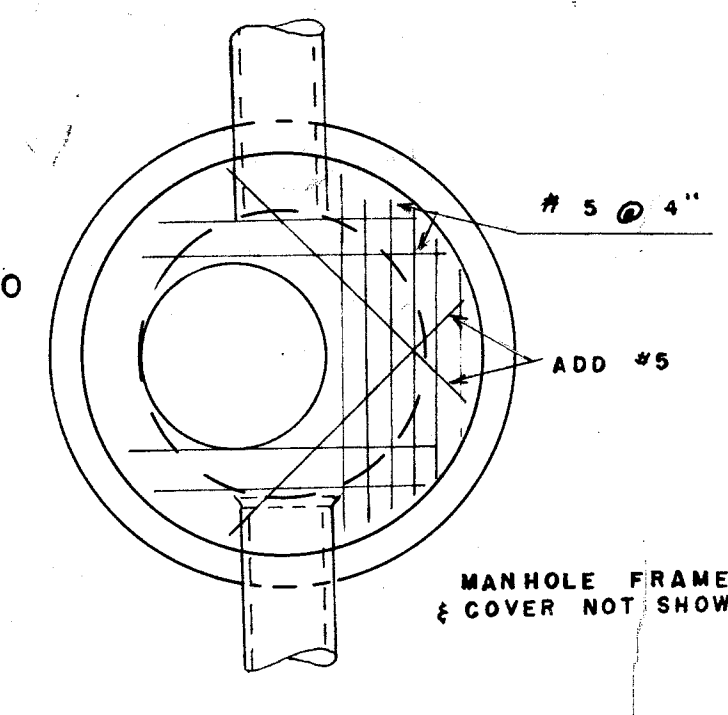
PROFILE	SURVEYED	DATE
	NOTE BOOK	BY
	ALIGNED CHECKED	
	RT. OF WAY CHECKED	
	NO.	



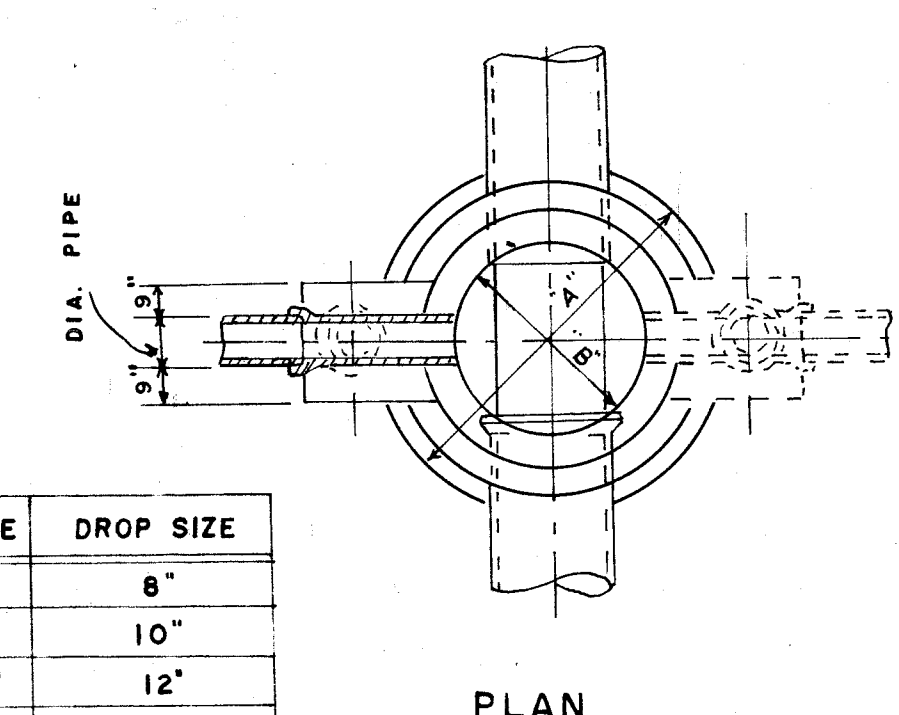
PLAN + PROFILE
REPLACEMENT OF SEWER
SANITARY SEWER TRUNK SEWERSIDE RD.
171 N.E. & SEC. 6 & N.W. 4 SEC. 5
PERRY TWP., STARK COUNTY, OHIO
SCALE: HORIZ. 1" = 50' VERT. 1" = 10'
DEVELOPER: JAMES A. SMITH
L. W. J. COOPER & ASSN.



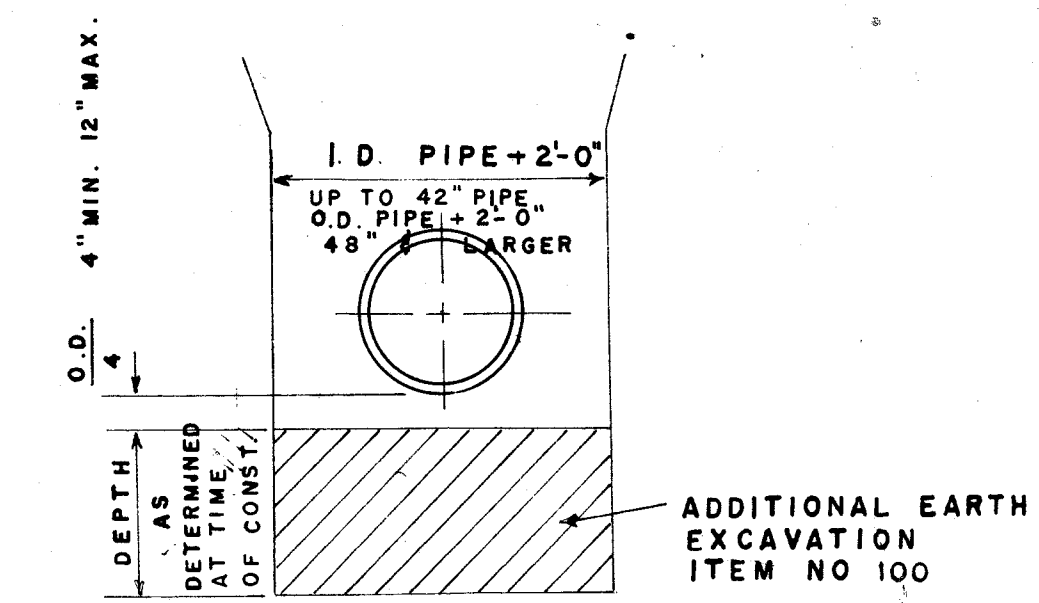
MANHOLE FRAME & COVER
NEENAH STARK COUNTY SPECIAL
EAST AKRON CASTING CO., TALLMAUGE, OHIO
FRAME NO 155 — WEIGHT 345 LBS
COVER NO 156 — WEIGHT 154 LBS
OR EQUAL



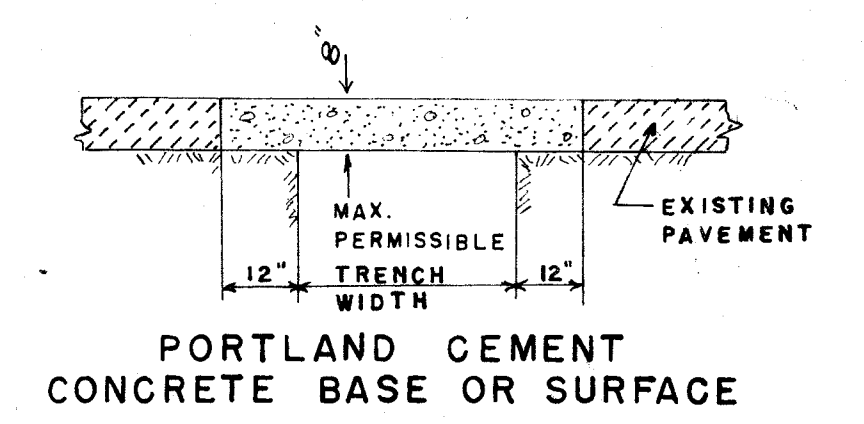
SEWER SIZE	DROP SIZE
8"	8"
10"	10"
12"-15"-18"	12"
21"-24"	15"
27"-30"-36"	18"



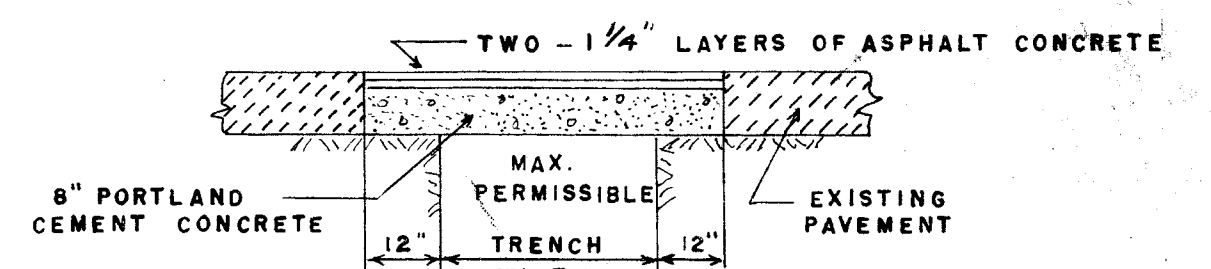
PLAN



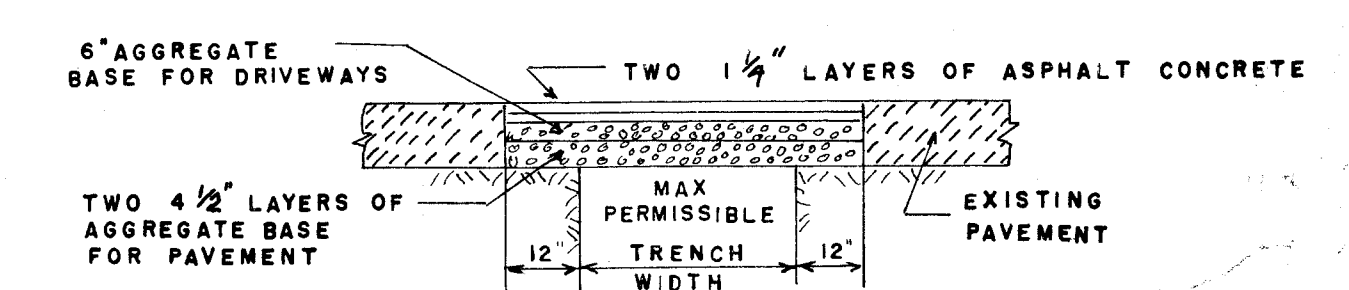
ADDITIONAL EARTH EXCAVATION
PAYMENT LIMITS



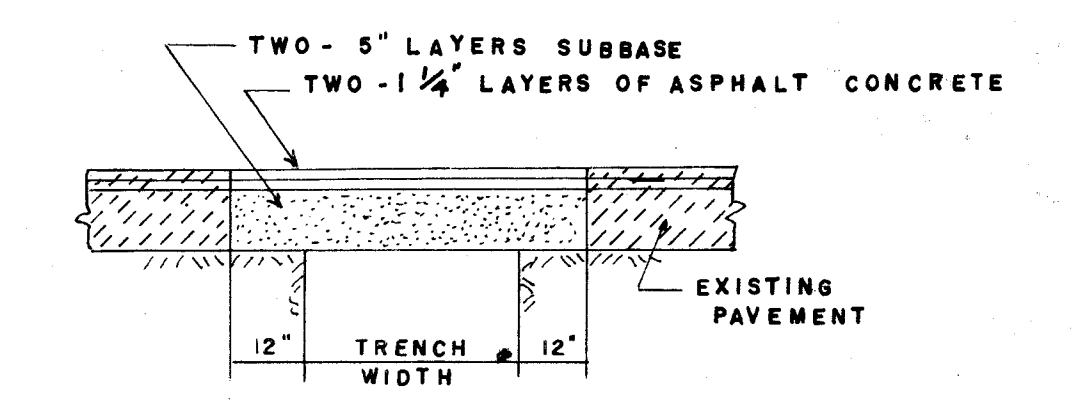
PORTLAND CEMENT
CONCRETE BASE OR SURFACE



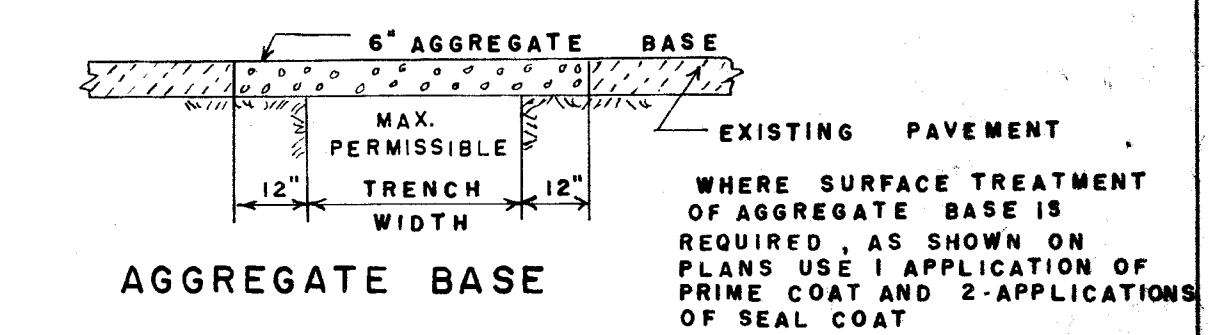
ASPHALT CONCRETE SURFACE COURSE
PORTLAND CEMENT CONCRETE BASE COURSE



ASPHALT CONCRETE SURFACE COURSE
AGGREGATE BASE COURSE



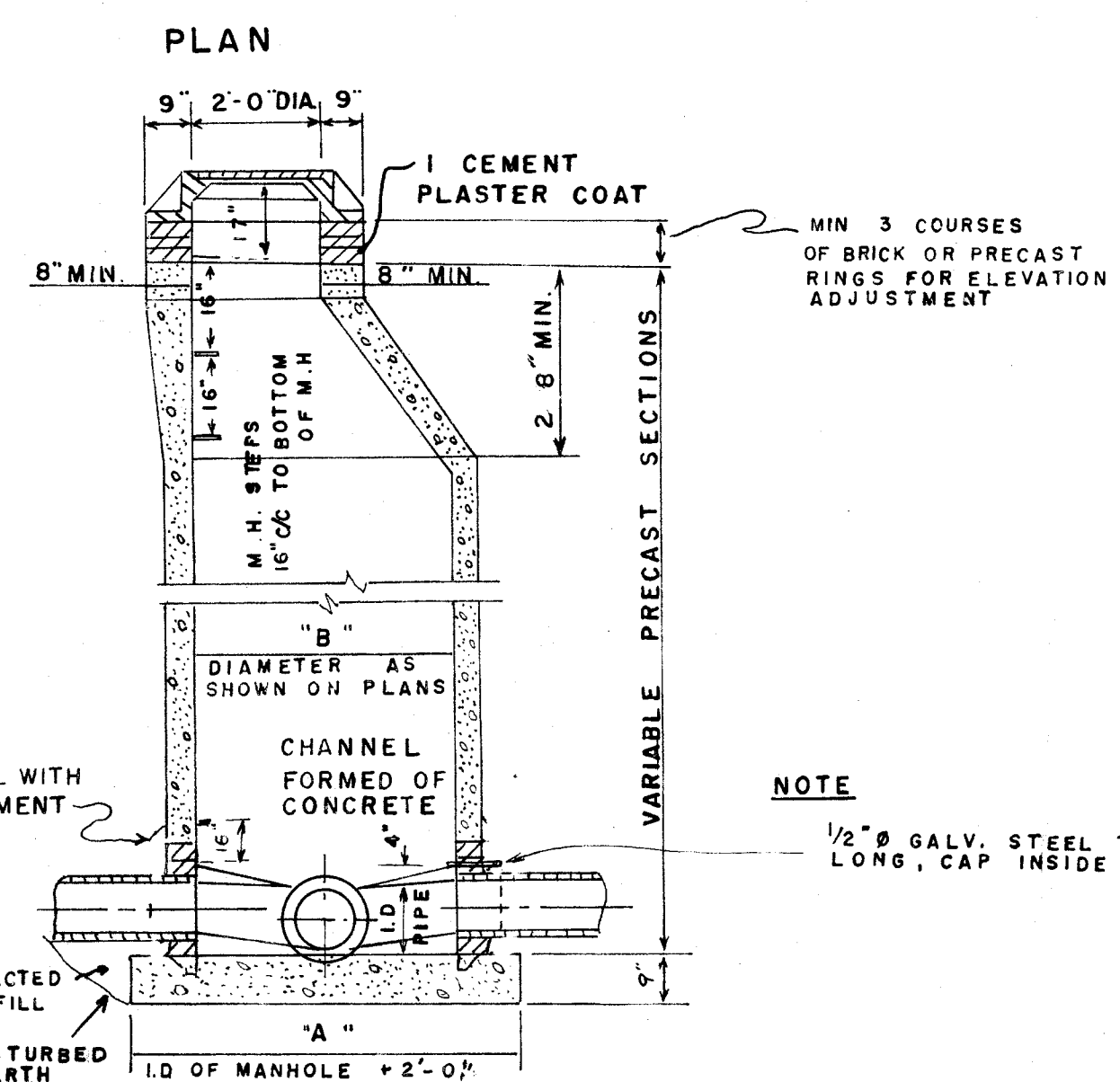
ASPHALT CONCRETE SURFACE COURSE
SUB BASE



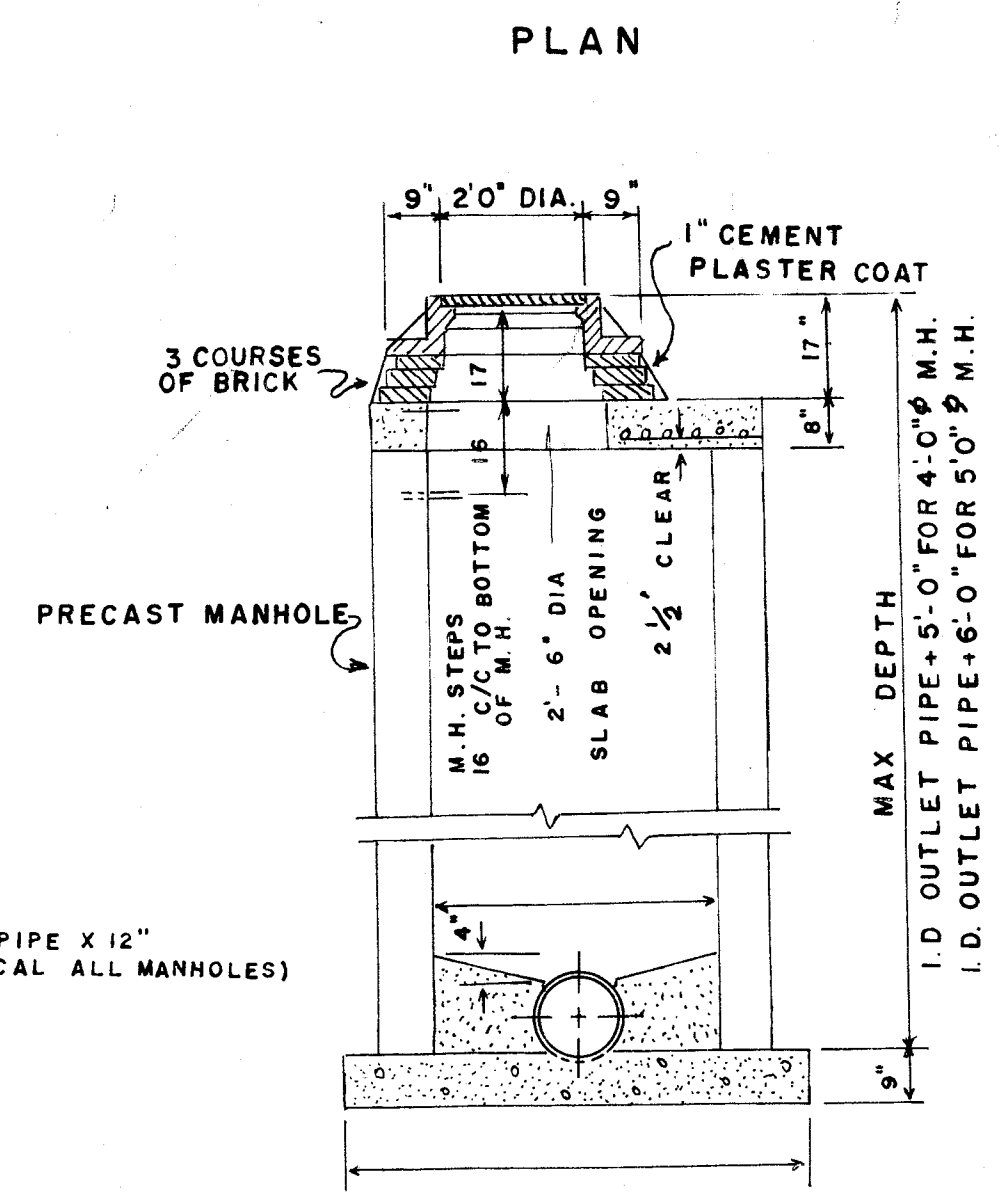
AGGREGATE BASE

TYPICAL PAVEMENT
REPLACEMENT SECTIONS

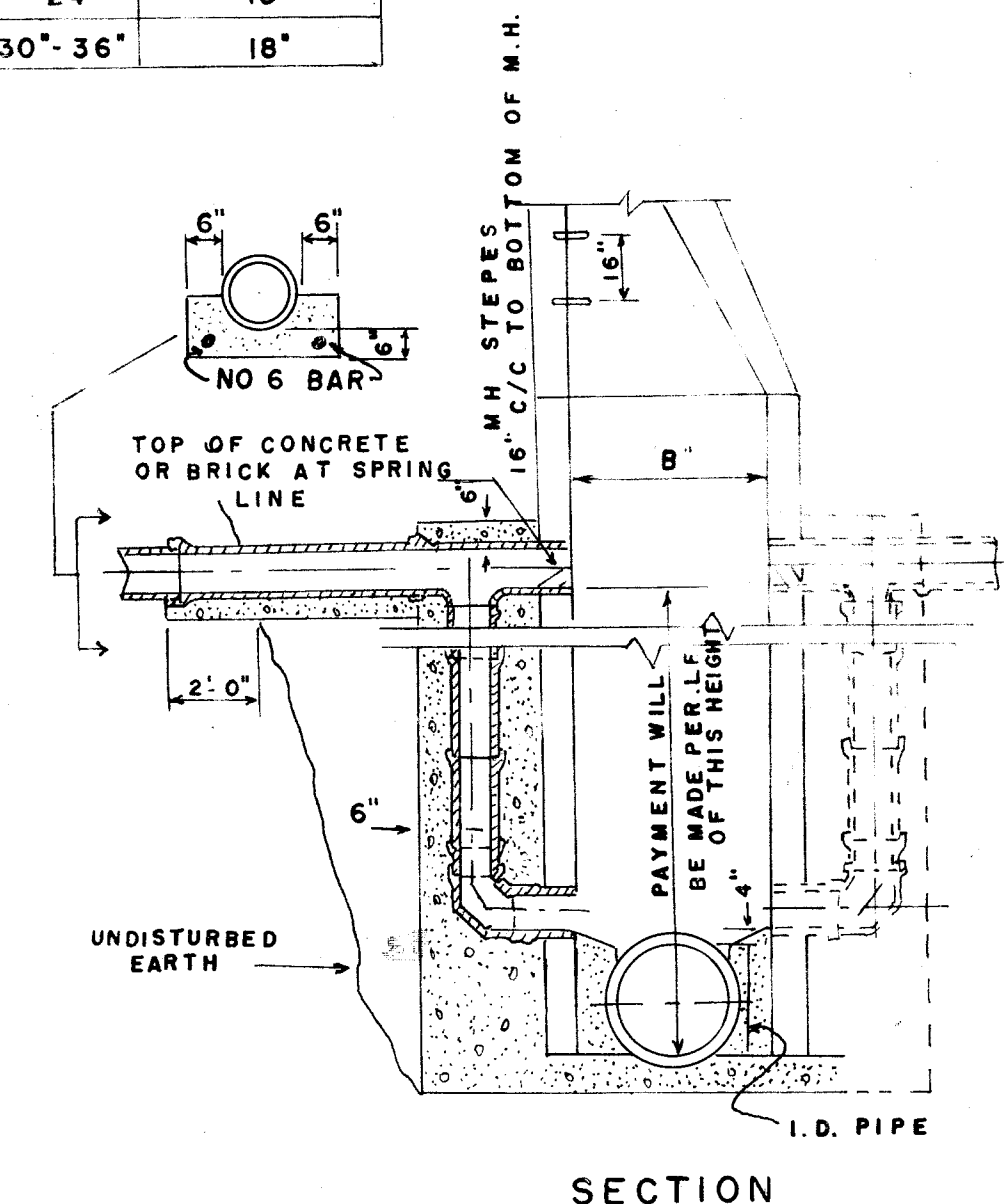
NOTE: THIS CONNECTION TO BE USED WHEN DEPTH OF SEWER IS TO BE GREATER THAN STANDARD HOUSE CONNECTION. LOCATION AS SHOWN ON PLANS OR DETERMINED AT TIME OF CONSTRUCTION.



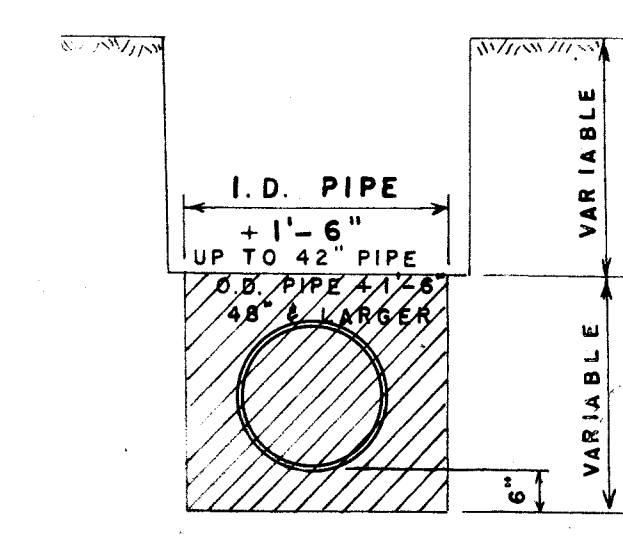
SECTION
PRECAST MANHOLE



SECTION
SHALLOW MANHOLE

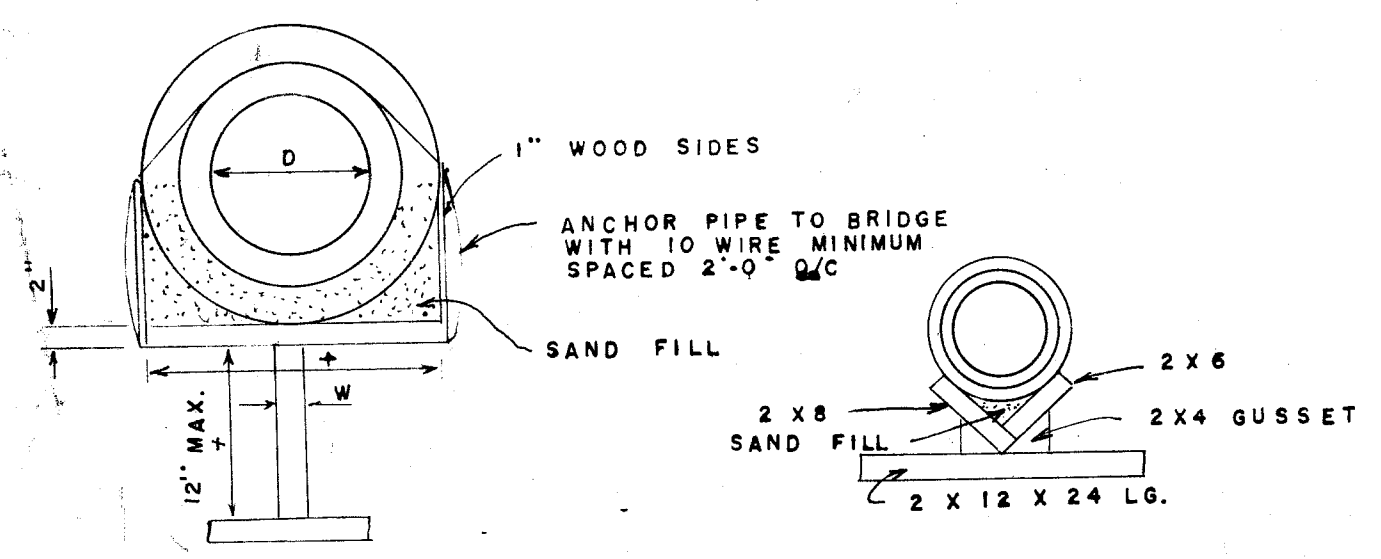


SECTION
DROP MANHOLE



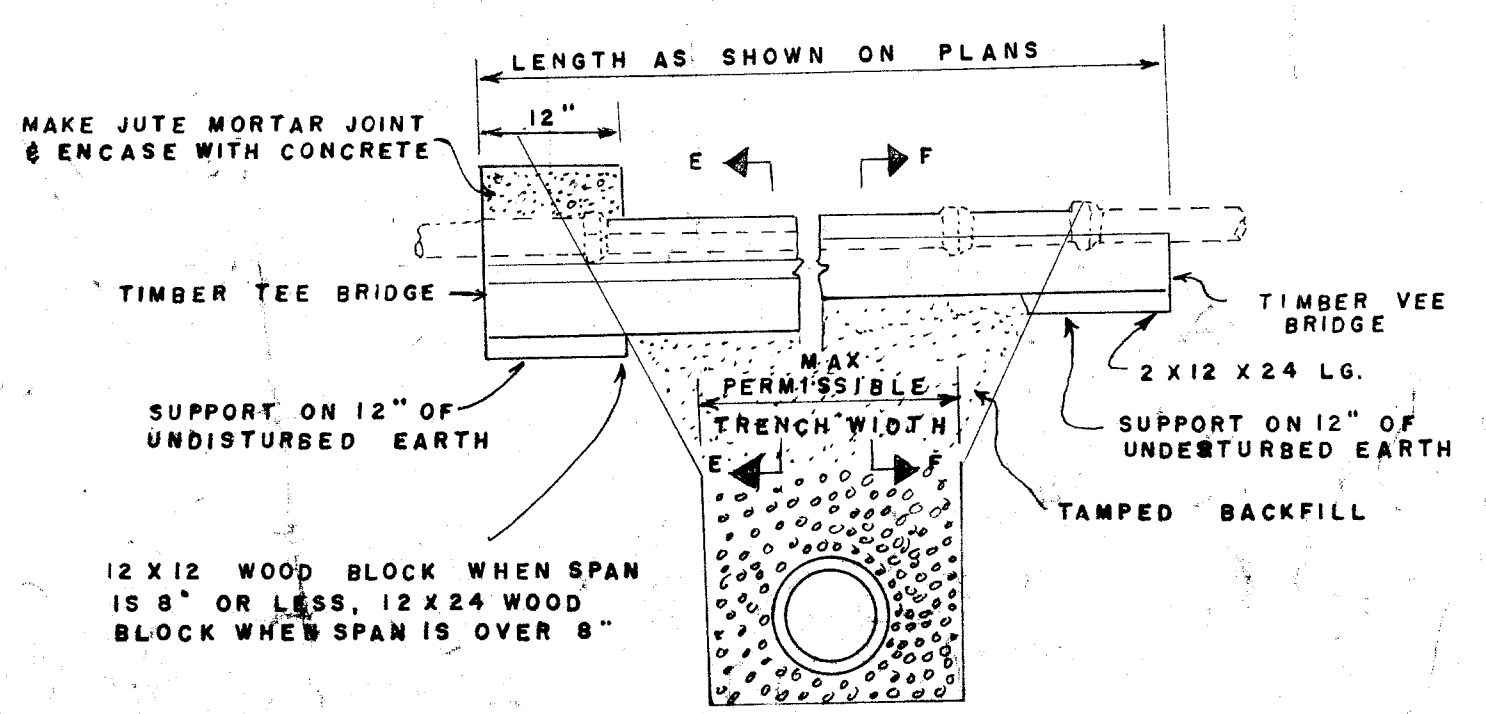
ROCK EXCAVATION
PAYMENT LIMITS

D	4-6	8	10	12	15	18
+	8	12	16	18	20	24
W	2	2	3	3	3	3

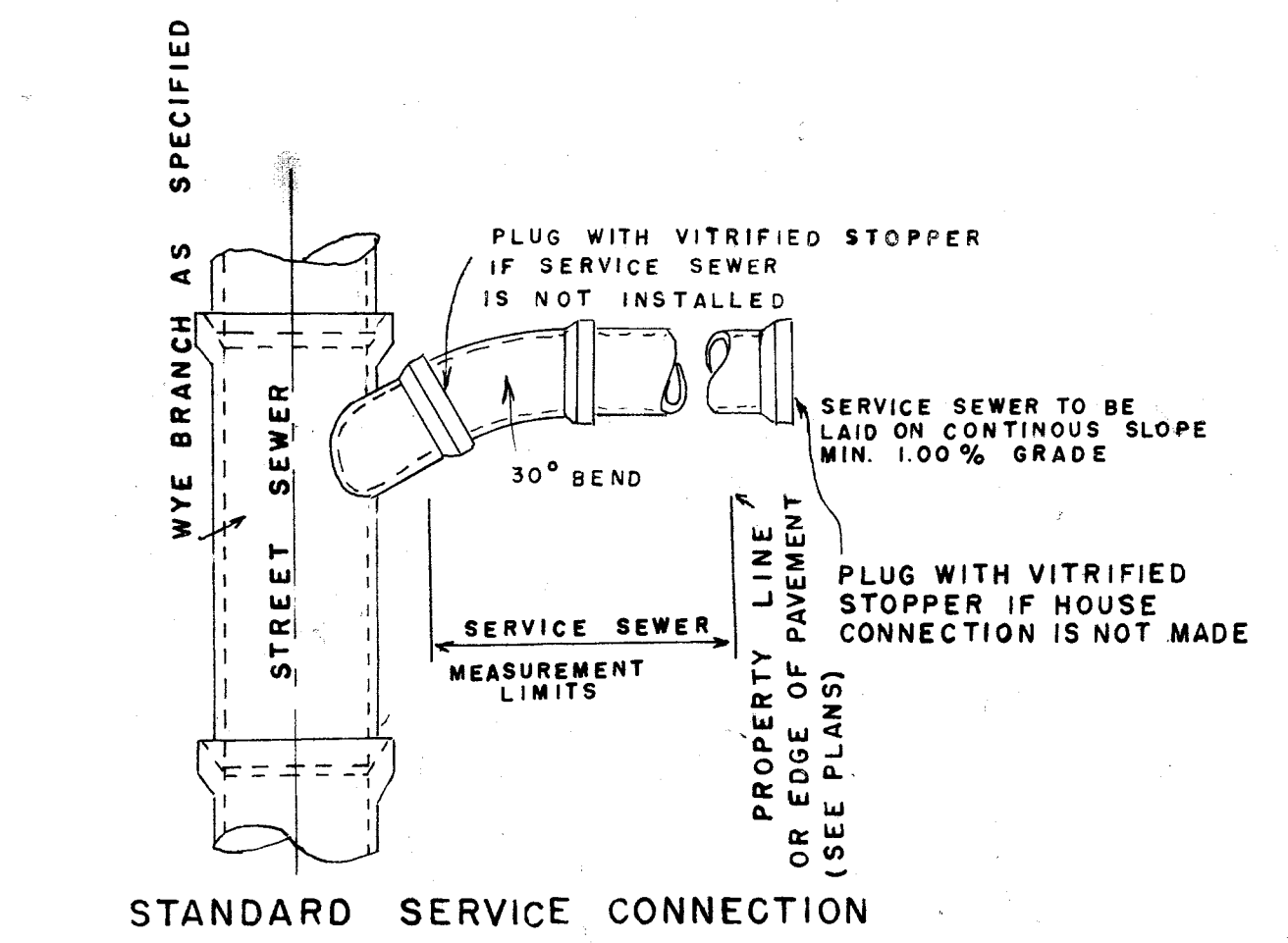


SECTION E-E

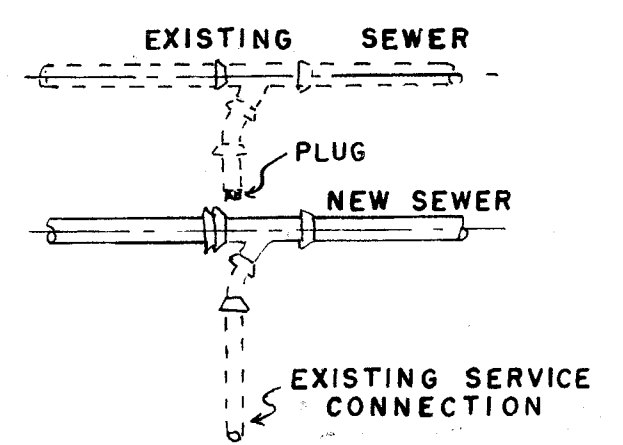
SECTION F-F



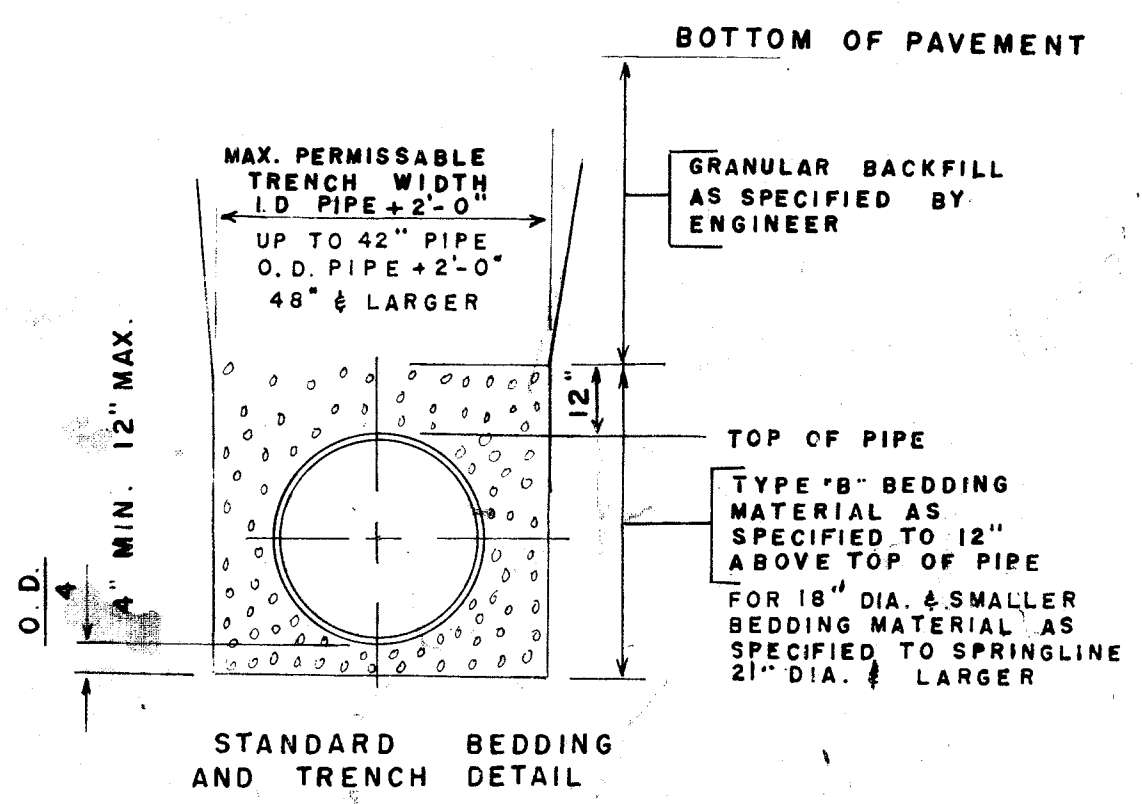
RESTORE EXIST. SEWER PIPE LINES



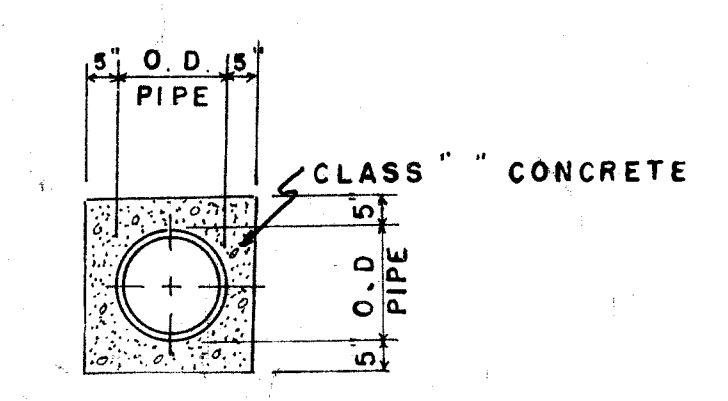
STANDARD SERVICE CONNECTION



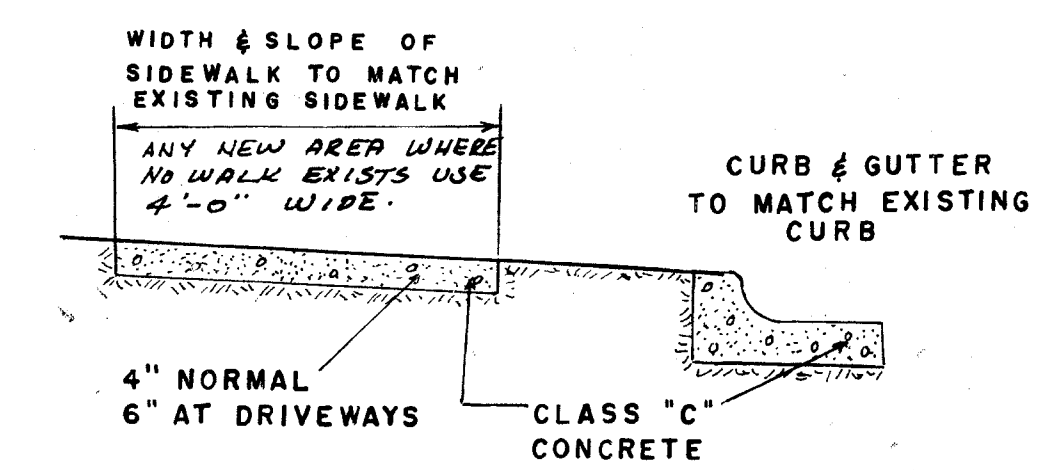
RECONNECTION OF EXISTING
SERVICE SEWERS



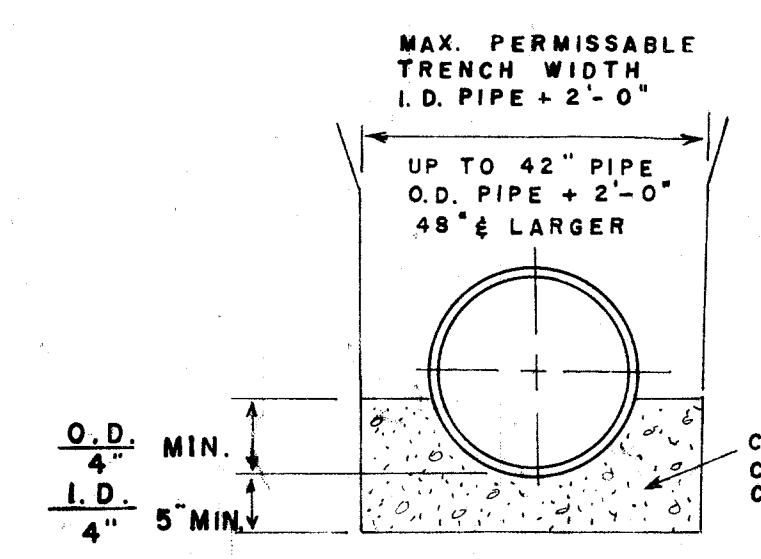
TYPE B BEDDING



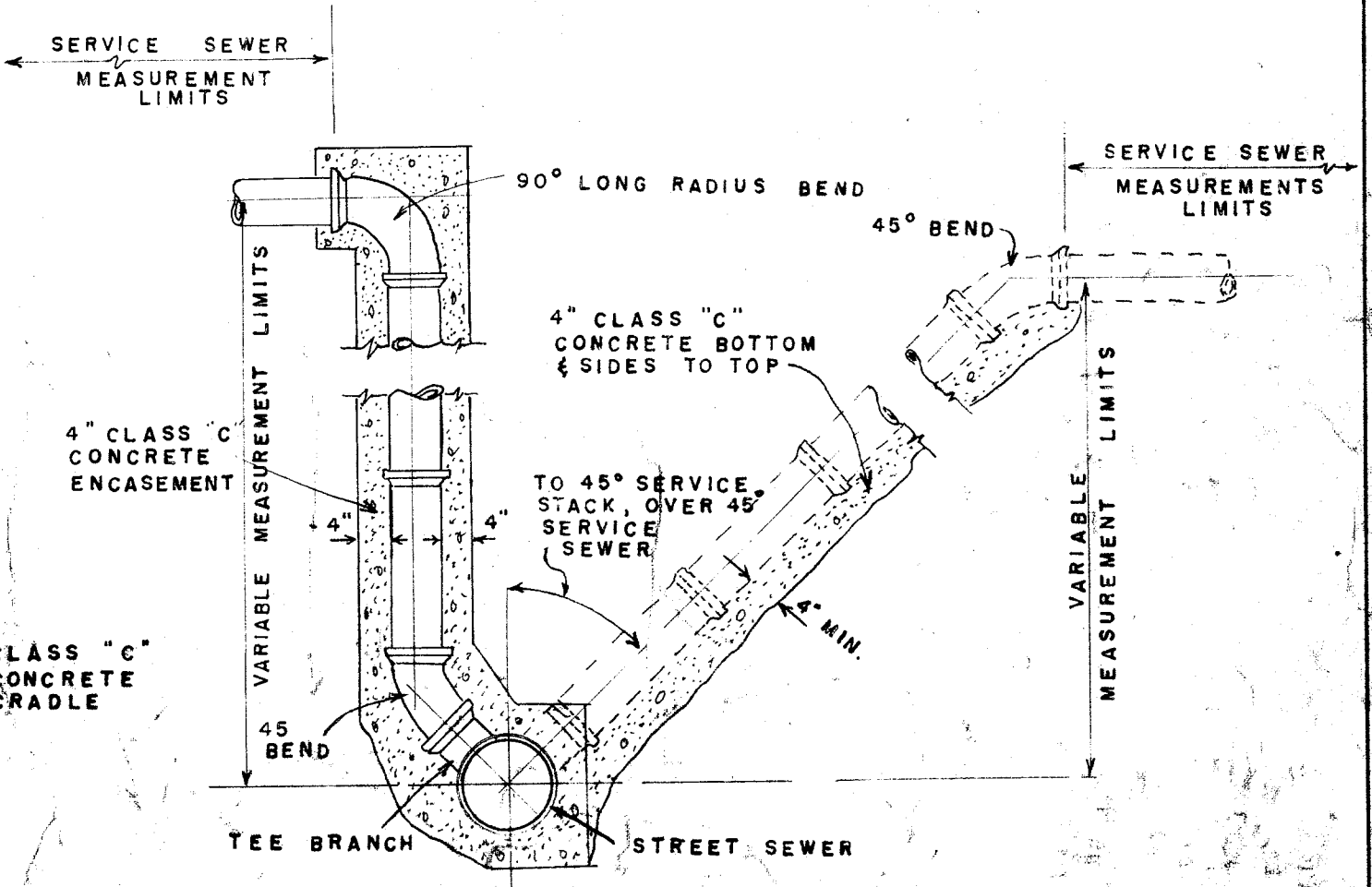
TYPICAL PIPE
ENCASEMENT



SIDEWALK CURB & GUTTER
DETAIL



TYPE A BEDDING



TYPICAL SERVICE STACK

L. W. J. COOPER & ASSOCIATES
CONSULTING ENGINEERS & SURVEYORS
JAMES L. COOPER • J. ED. JUENEMANN • ROBERT A. MILLER
CANTON, OHIO 44708

SURVEYED	PLATTED	FIELD BOOK	DATE	FILE	SCALE