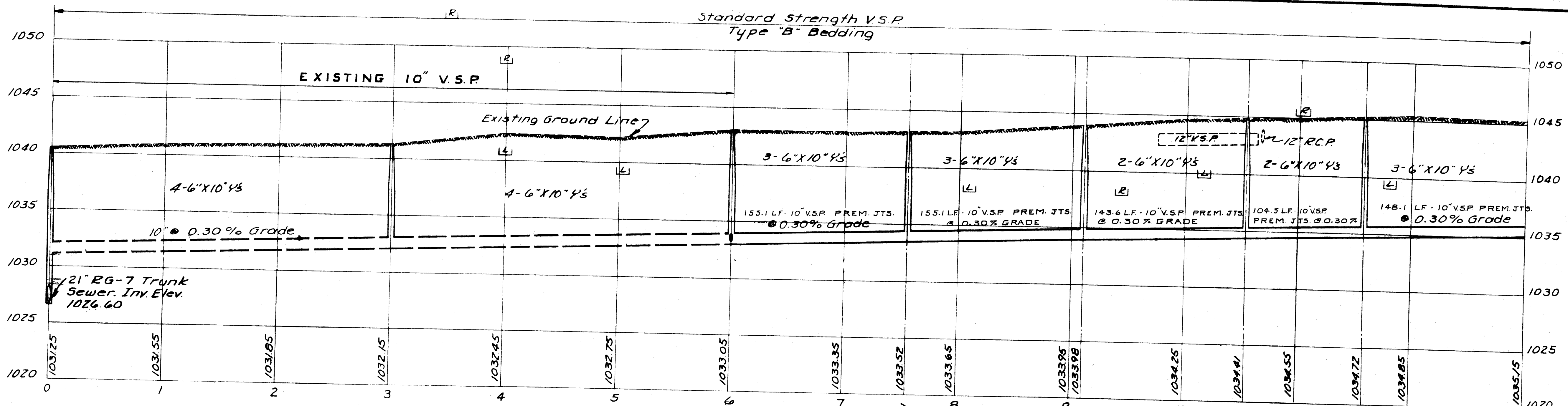


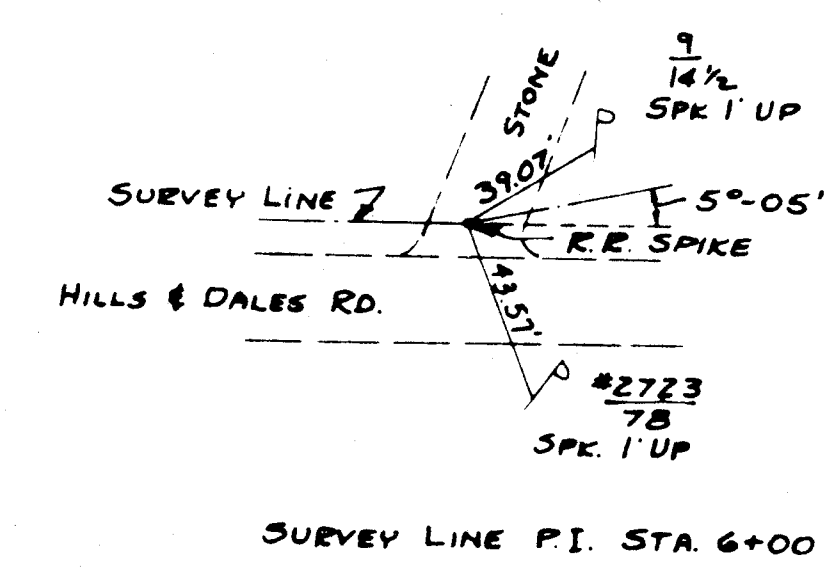


APPROVED THIS 9th DAY OF Feb., 1973
 BY: *Robert Wagner*
 MASSILLON CITY ENGINEER

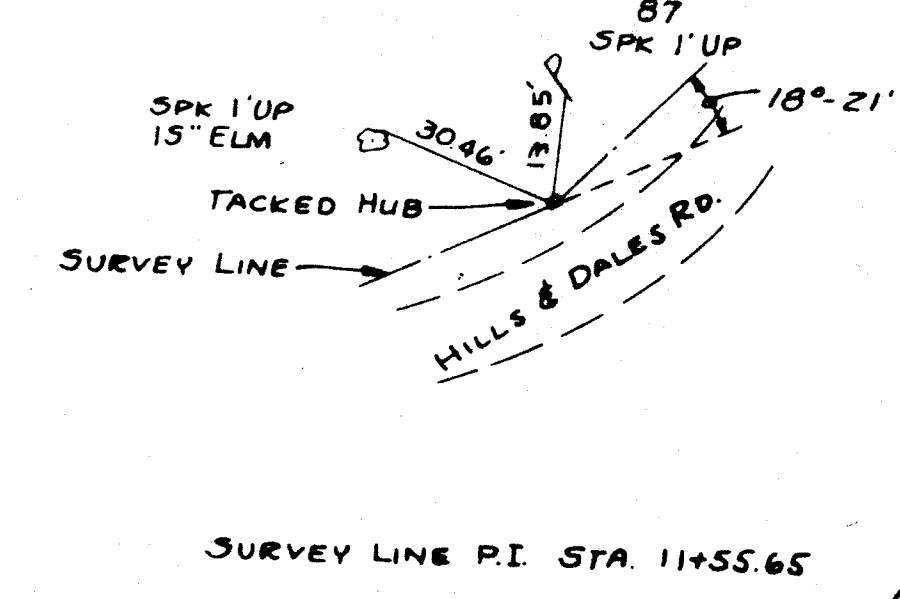
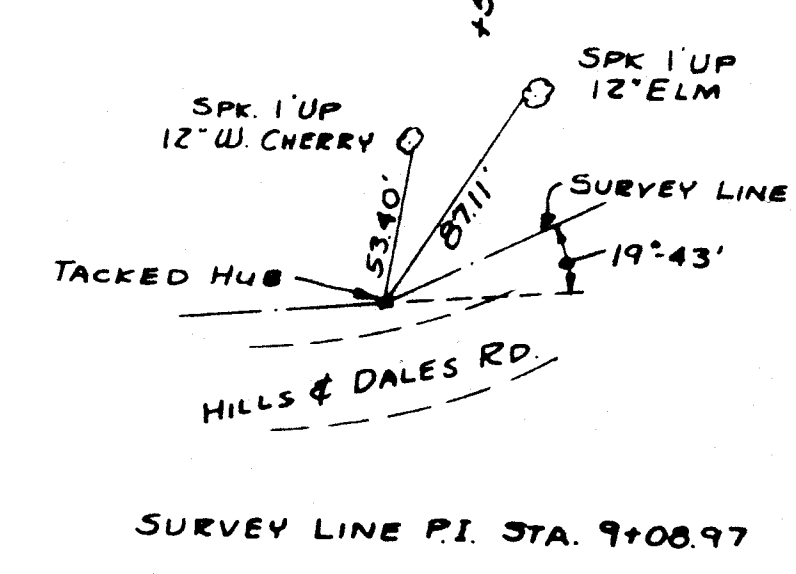
APPROVED THIS 15th DAY OF Feb., 1973
 BY: *William J. Varaschi*
 STARK COUNTY SANITARY ENGR.



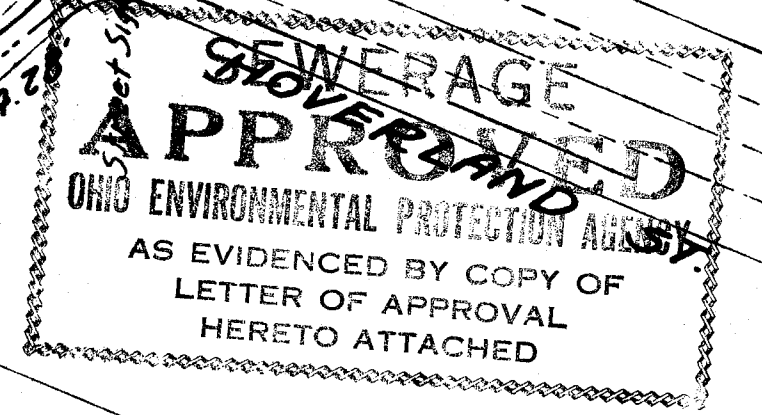
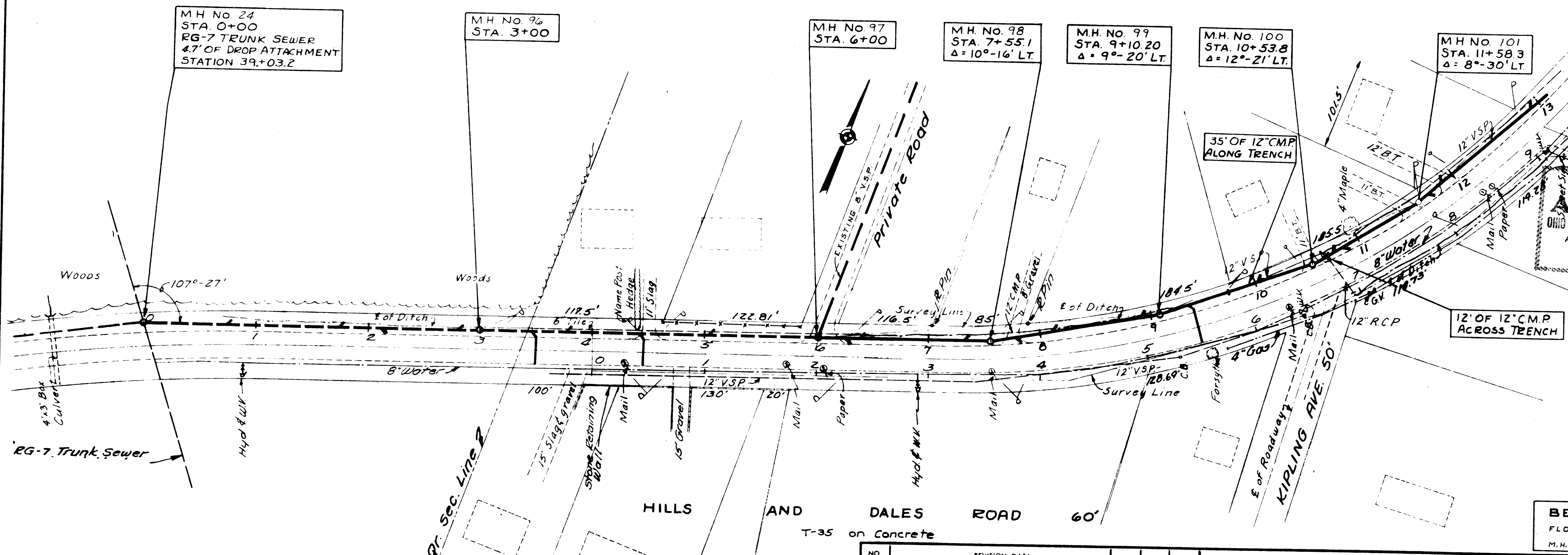
PREPARED BY: *Richard G. Hunsinger*



PAVEMENT REPLACEMENT
 T-35 ON CONCRETE.



COPY, PROPOSED
 SANITARY SEWER
 NOT CONSTRUCTED
 AS OF 4/20/73



RECEIVED
 FEB 20 1973
 Ohio Environmental Protection Agency

NOTE:
 ALL CONSTRUCTION SHALL CONFORM TO
 THE STARK COUNTY SANITARY ENGINEER'S
 STANDARDS

RECEIVED
 FEB 20 1973
 Ohio Environmental Protection Agency
 NORTHEAST DISTRICT

BENCH MARK
 FLOW LINE OF 10" PIPE AT
 M.H. NO. 97 ELEV. 1033.05

Bench Mark #RG-7-6
 4" Cut on W end of S.
 headwall of Culvert
 at Hills & Dales Road
 Elevation

NO.	REVISION DATA	DATE	BY	APPD

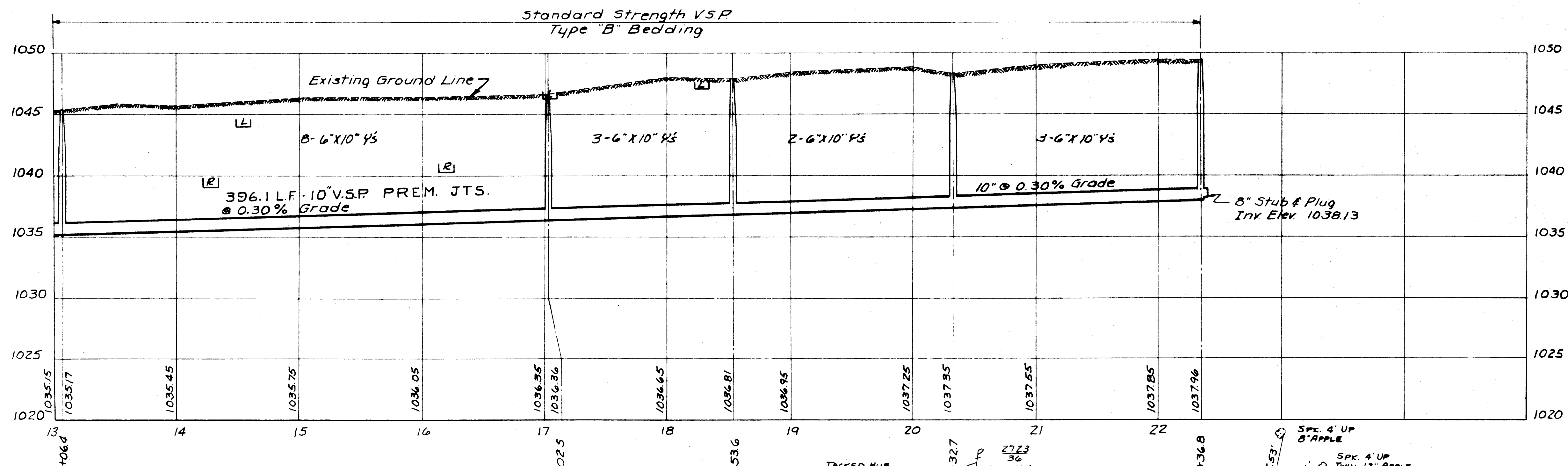
SHISLER-HUNSINGER and ASSOCIATES
 CONSULTING ENGINEERS and SURVEYORS
 2011 FULTON ROAD, N.W., CANTON, OHIO 44709

SCALE
 HOR. 1" = 50'
 VERT. 1" = 5'

JAN, 1973

STARK COUNTY (MASSILLON), OHIO

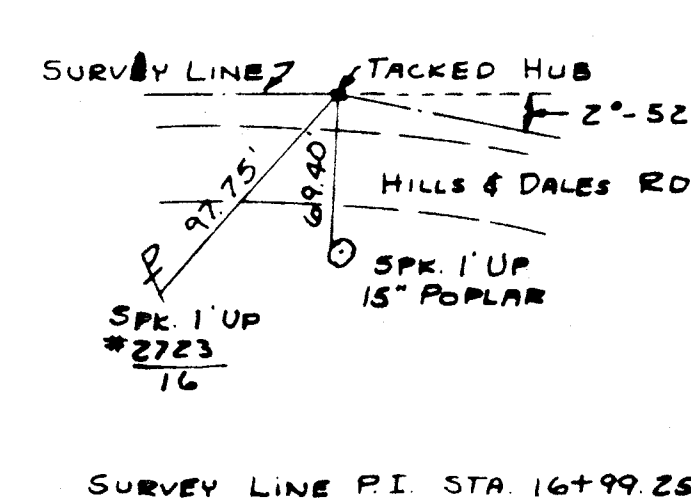
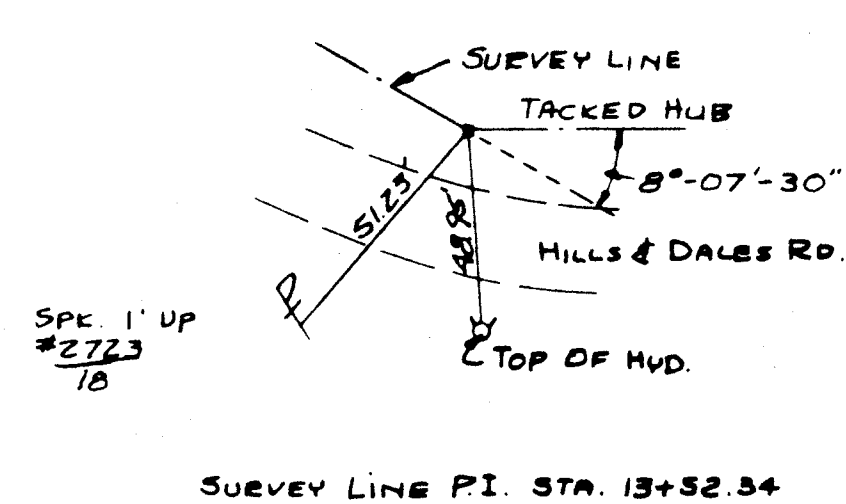
SANITARY SEWERS
 AL MICHAEL APARTMENTS
 HILLS AND DALES ROAD SEWER (EAST)
 SEWER DISTRICT NO. 16
 PLAN & PROFILE



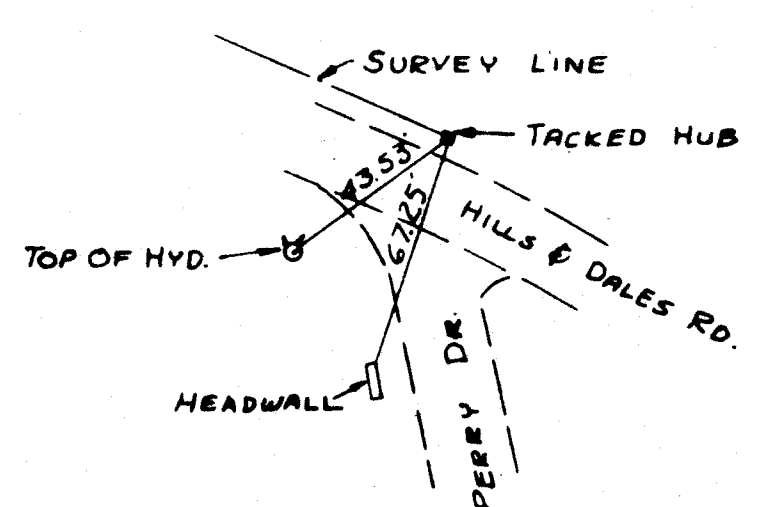
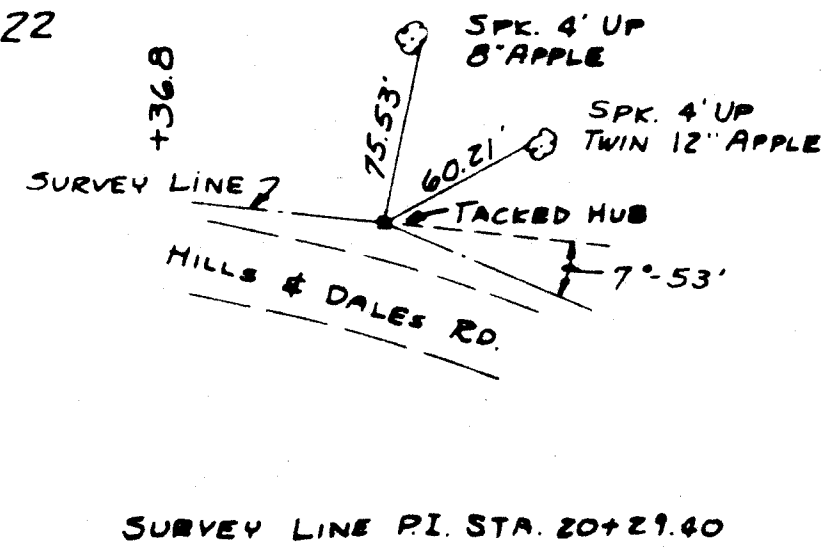
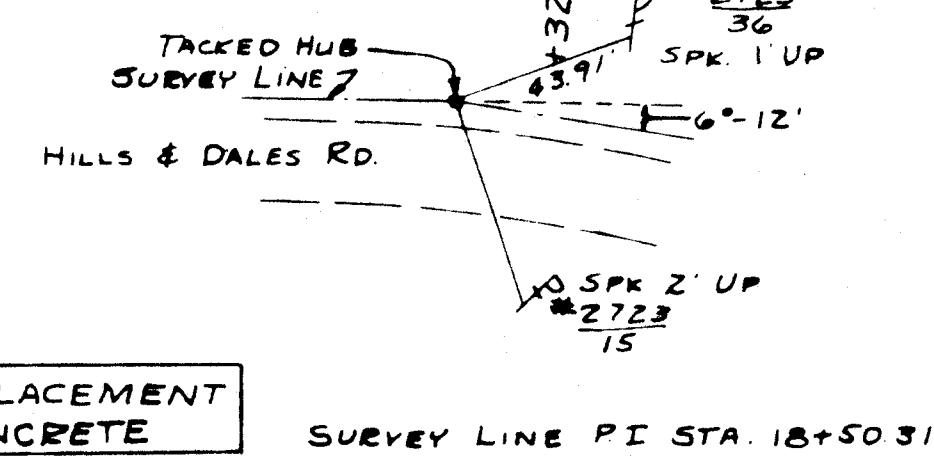
APPROVED THIS 9TH DAY OF FEB, 1973
 BY: Robert F. Wagner
 MASSILLON CITY ENGINEER

APPROVED THIS 15 DAY OF Feb, 1973
 BY: William J. Veroski
 STARK COUNTY SANITARY ENGINEER

PREPARED BY: Richard G. Hunsinger



PAVEMENT REPLACEMENT
 T-35 ON CONCRETE



END CONSTRUCTION OF
 10\"/>

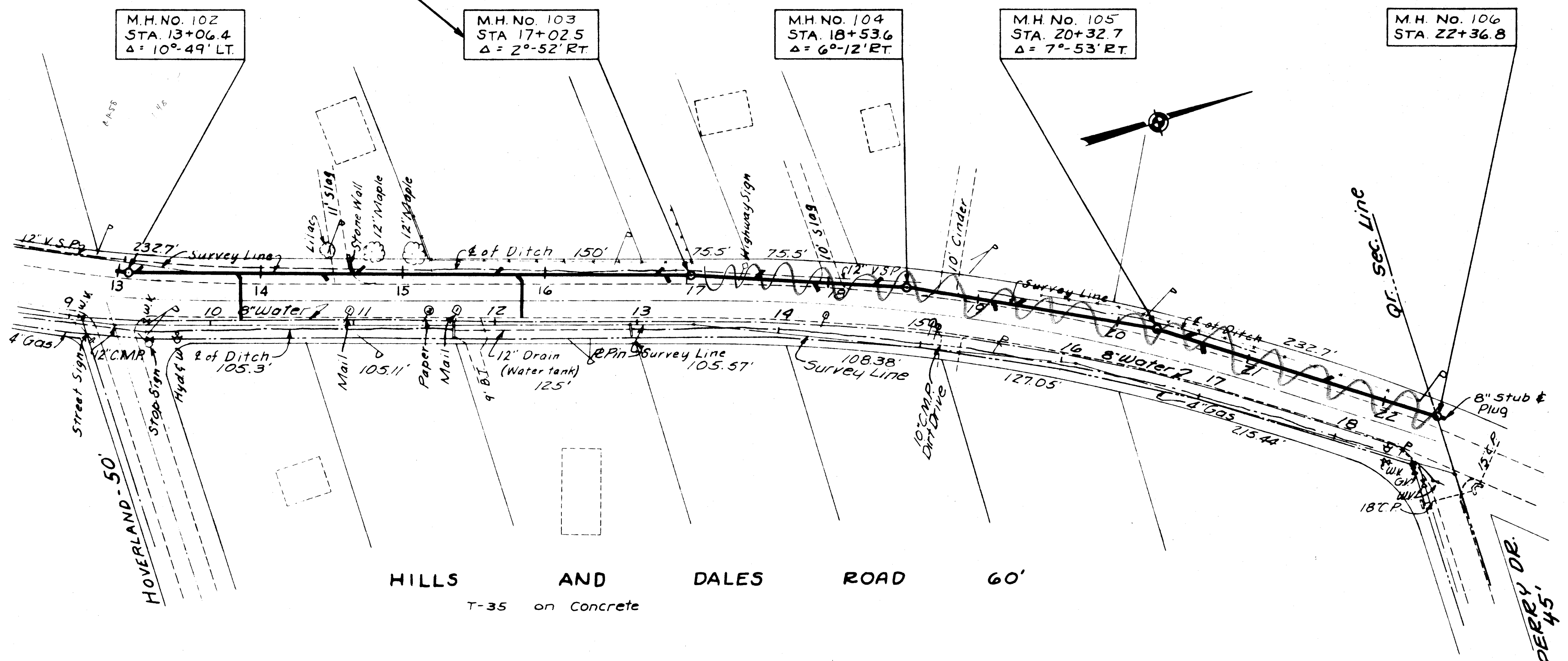
M.H. NO. 102
 STA. 13+06.4
 Δ = 10°-49' LT.

M.H. NO. 103
 STA. 17+02.5
 Δ = 2°-52' RT.

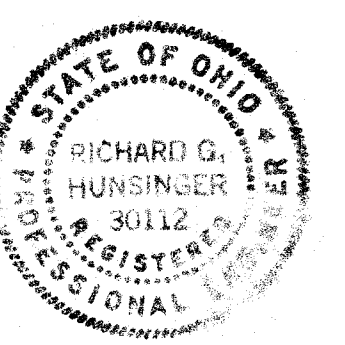
M.H. NO. 104
 STA. 18+53.6
 Δ = 6°-12' RT.

M.H. NO. 105
 STA. 20+32.7
 Δ = 7°-53' RT.

M.H. NO. 106
 STA. 22+36.8



RECEIVED
 FEB 20 1973
 Ohio Environmental Protection Agency



**SEWERAGE
 APPROVED**
 OHIO ENVIRONMENTAL PROTECTION AGENCY
 AS EVIDENCED BY COPY OF
 LETTER OF APPROVAL
 HERETO ATTACHED

RECEIVED
 FEB 20 1973
 Ohio Environmental Protection Agency
 NORTHEAST DISTRICT

NO.	REVISION DATA	DATE	BY	APP'D

SHISLER-HUNSINGER and ASSOCIATES
 CONSULTING ENGINEERS and SURVEYORS
 2011 FULTON ROAD, N.W., CANTON, OHIO 44709

SCALE
 HOR. 1" = 50'
 VERT. 1" = 5'

STARK COUNTY (MASSILLON), OHIO

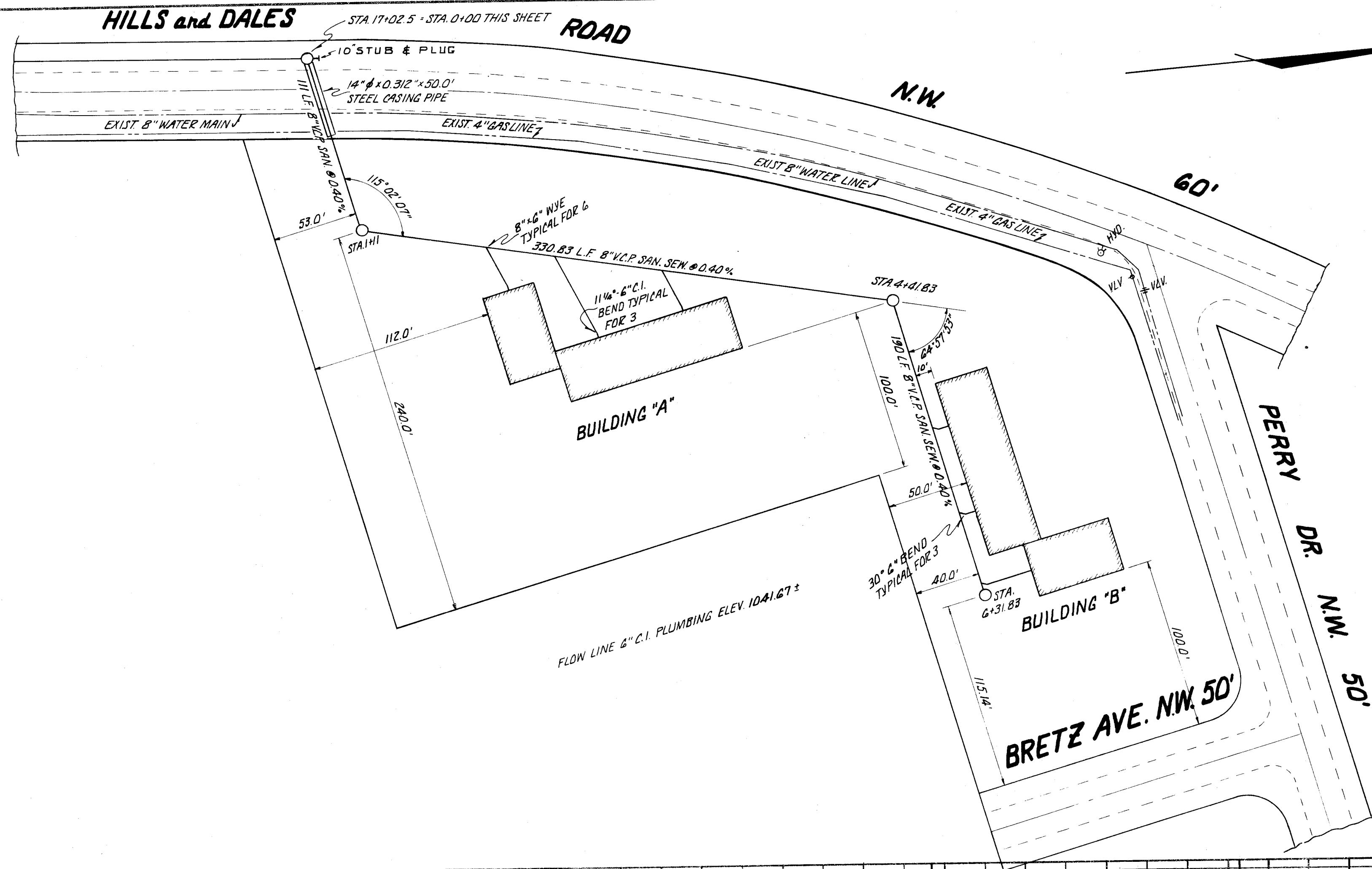
SANITARY SEWERS
AL MICHAEL APARTMENTS
 HILLS AND DALES ROAD SEWER (EAST)
 SEWER DISTRICT NO. 16
 PLAN & PROFILE

Bench Mark - Top of
 hydrant S.E. corner of
 Perry & Hills & Dales Rd.
 Elevation 1050.15

2
 3

PLAN	SURVEYED	DATE
	NOTE BOOK NO.	BY
PROFILE	SURVEYED	DATE
	NOTE BOOK NO.	BY

PLAN	SURVEYED	DATE
	NOTE BOOK NO.	BY
PROFILE	SURVEYED	DATE
	NOTE BOOK NO.	BY



APPROVED THIS 9TH DAY OF FEB. 1973

Robert W. Hanning
MASSILLON CITY ENGINEER

APPROVED THIS 15 DAY OF Feb. 1973

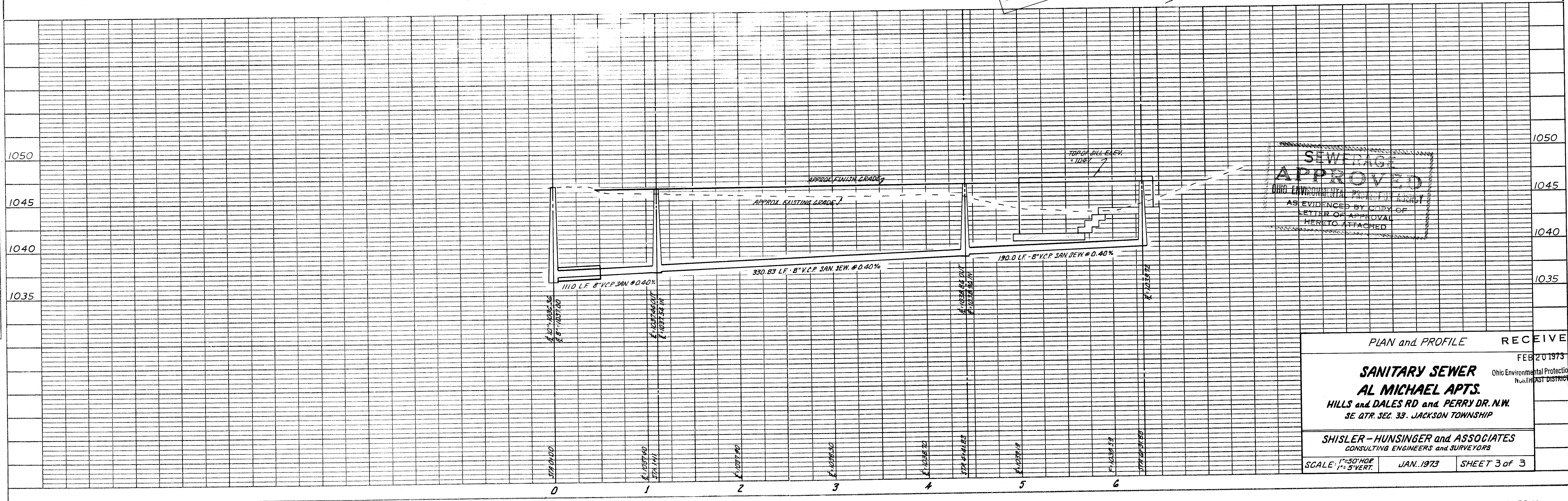
William J. Veroski
STARK COUNTY SANITARY ENGINEER

PREPARED BY: *Richard G. Hemminger*

BENCH MARK:
TOP OF HYDRANT S.E. CORNER OF PERRY AND
HILLS AND DALES RD. N.W. ELEV 1050.15.

RECEIVED
FEB 20 1973

The Environmental Protection Agency



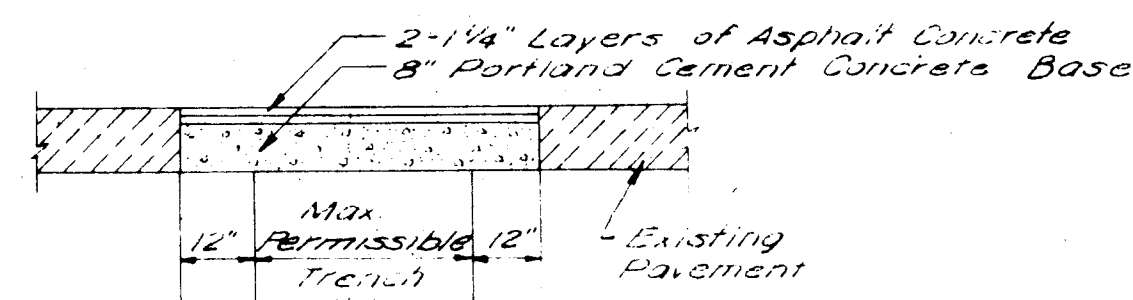
MANHOLE FRAME & COVER

- (a) NEENAH - STARK COUNTY SPECIAL
(b) EAST AKRON CASTING CO., TALLMADGE, OHIO.
(c) FRAME NO 155 - WEIGHT 345 LBS
COVER NO 156 - WEIGHT 154 LBS.
(c) OR EQUAL

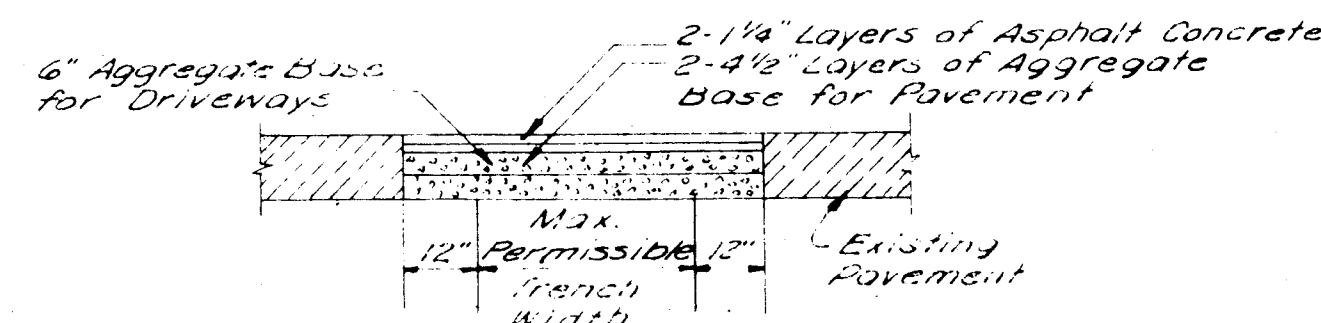
NOTE:

INFILTRATION RATE SHALL NOT EXCEED 250 GAL./IN. DIA./MILE/DAY

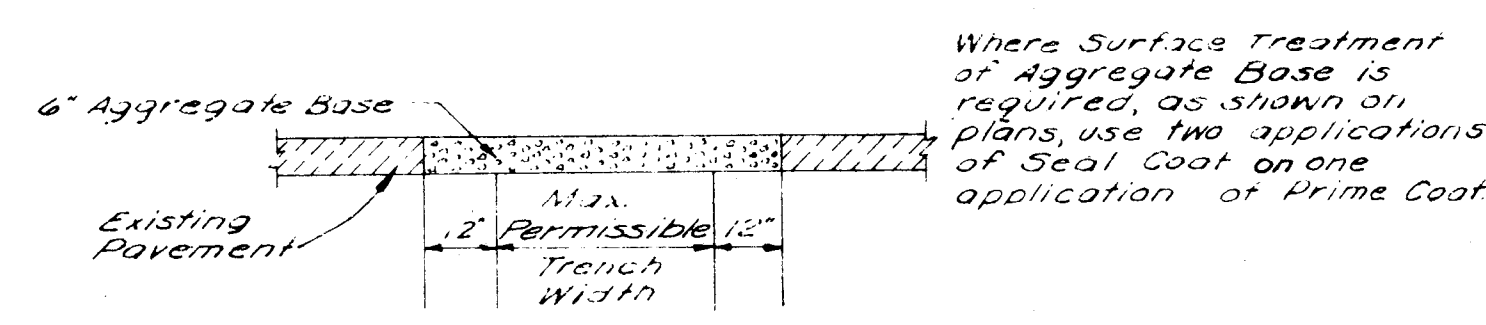
PORTLAND CEMENT CONCRETE BASE OR SURFACE



ASPHALT CONCRETE SURFACE COURSE PORTLAND CEMENT CONCRETE BASE COURSE



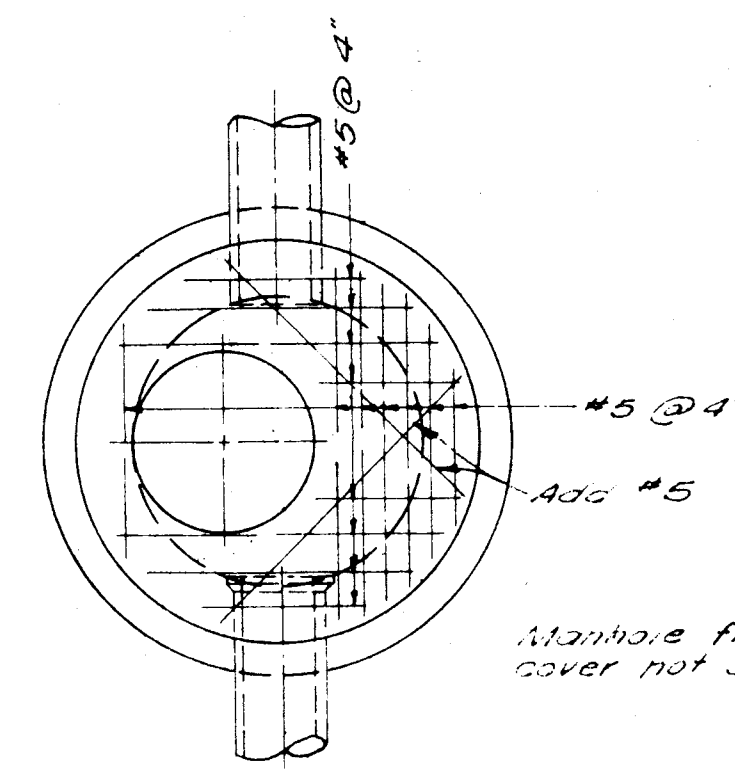
ASPHALT CONCRETE SURFACE COURSE AGGREGATE BASE COURSE



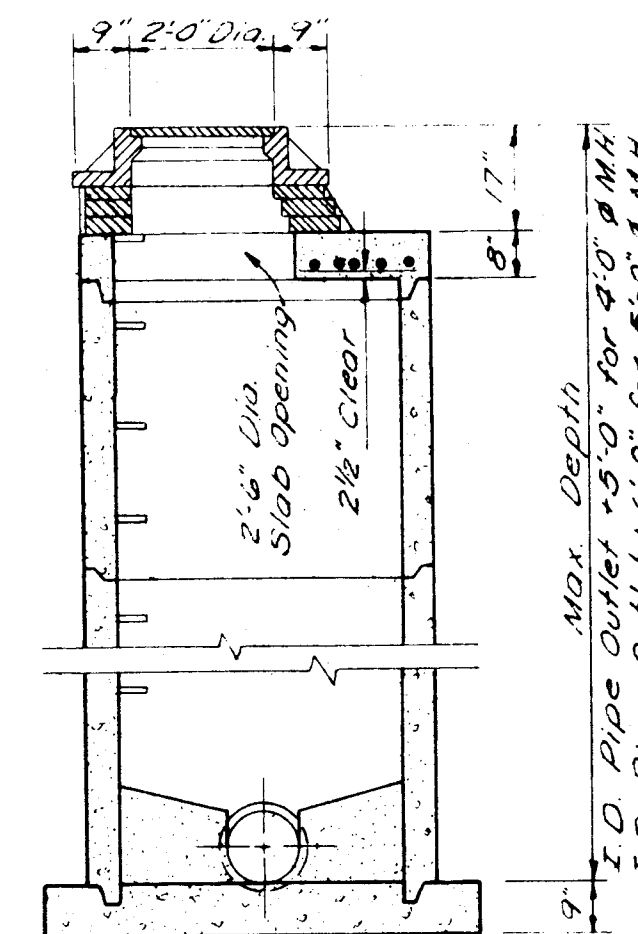
AGGREGATE BASE TYPICAL PAVEMENT REPLACEMENT SECTIONS

NOTE:

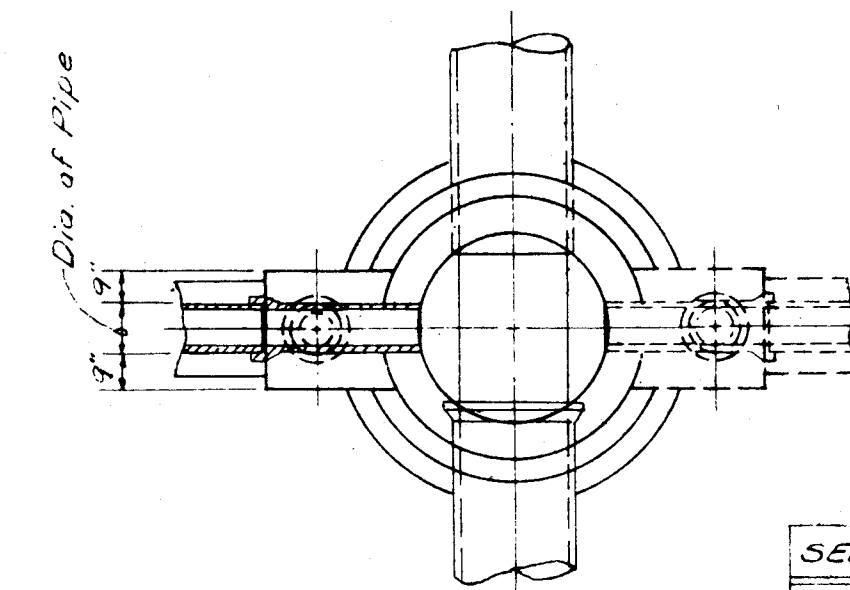
PAVEMENT PAYMENT LIMITS
15 I.D. OF PIPE PLUS 4'-0"



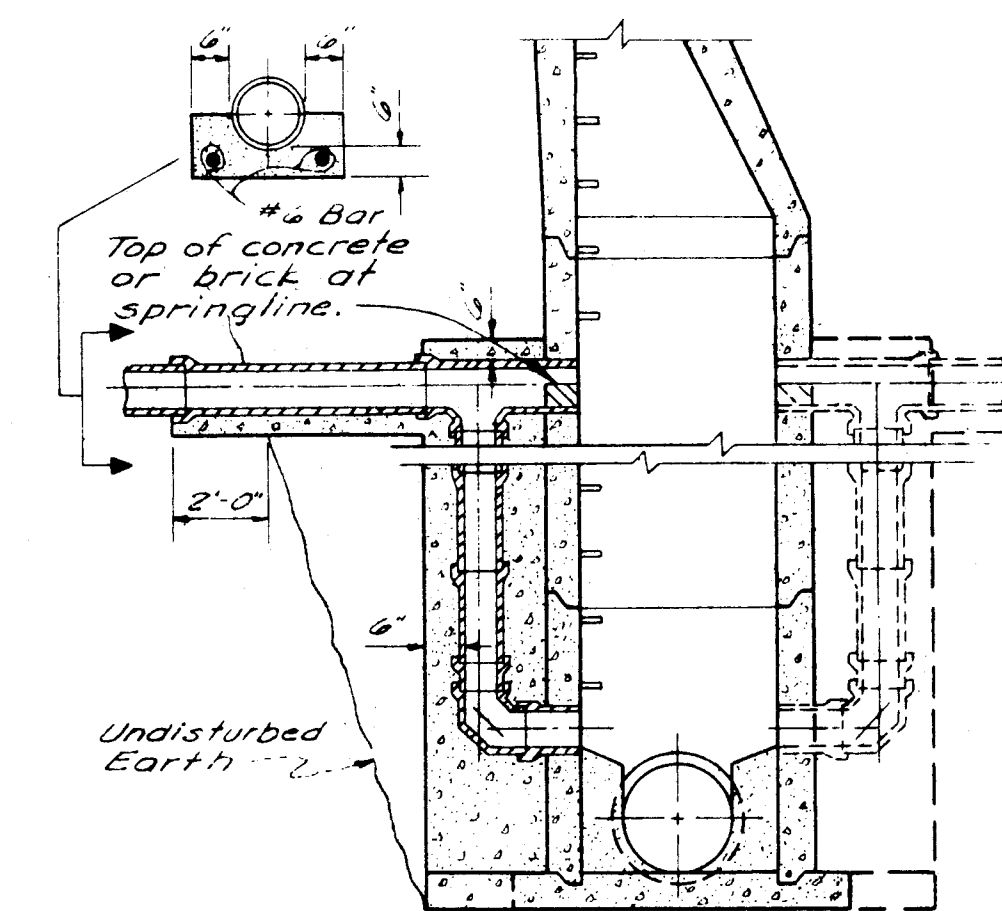
PLAN



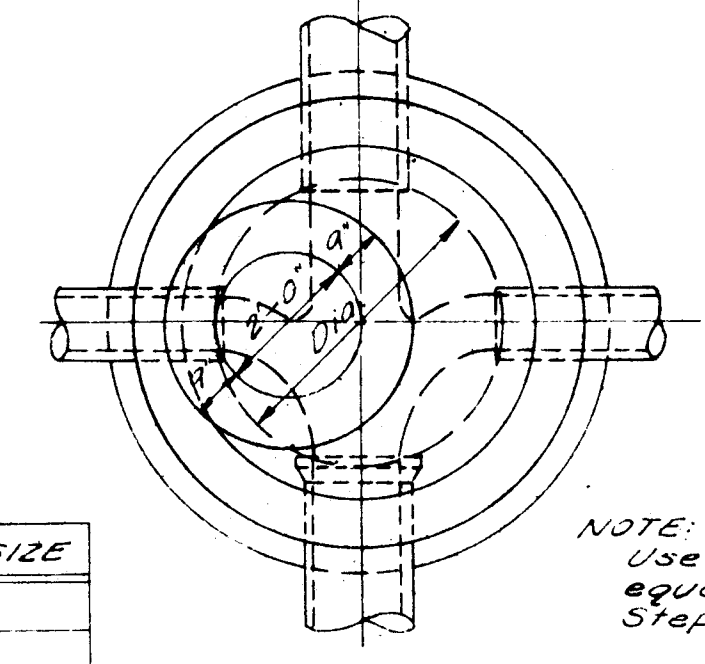
SECTION SHALLOW MANHOLE



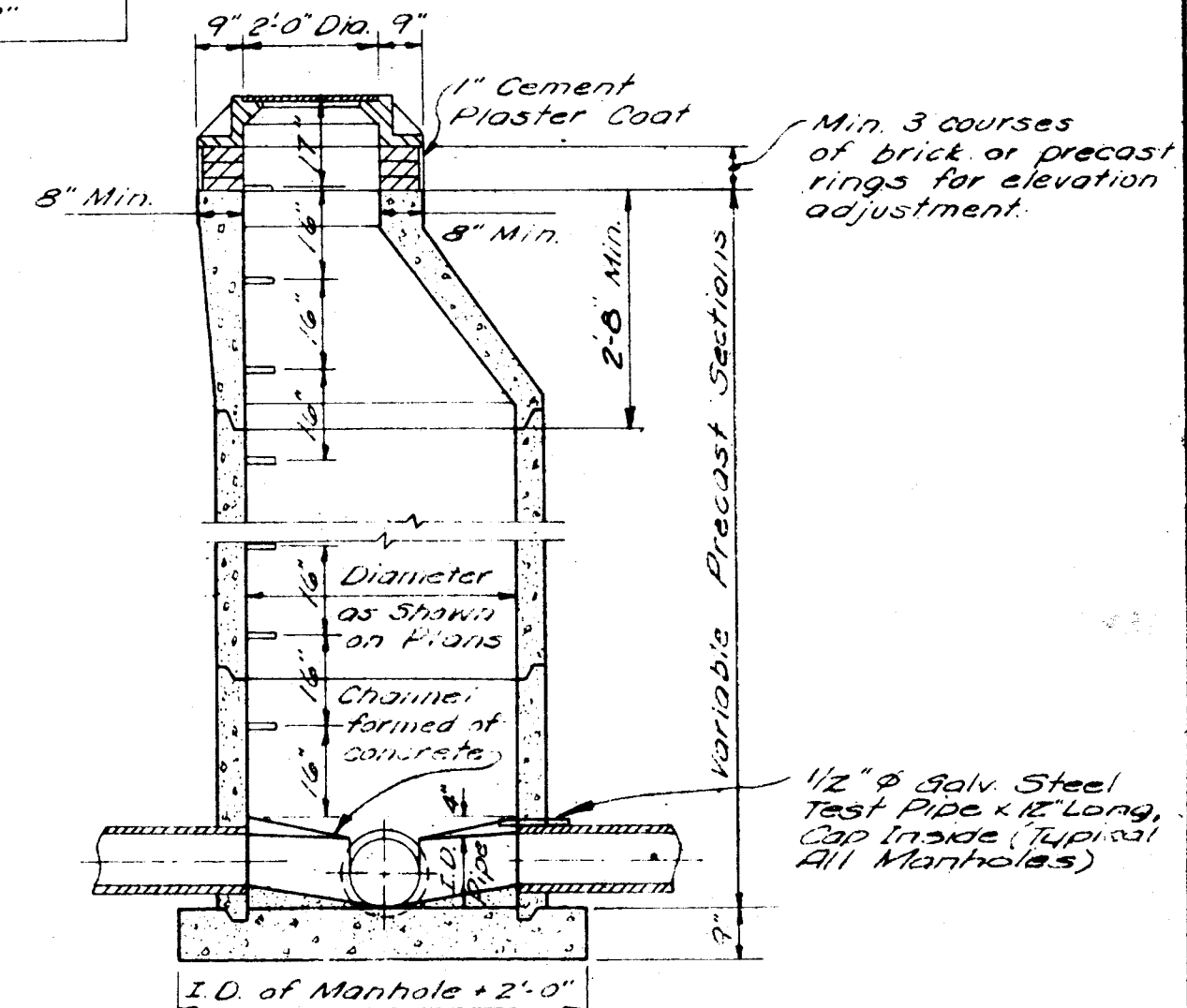
PLAN



SECTION DROP MANHOLE



PLAN

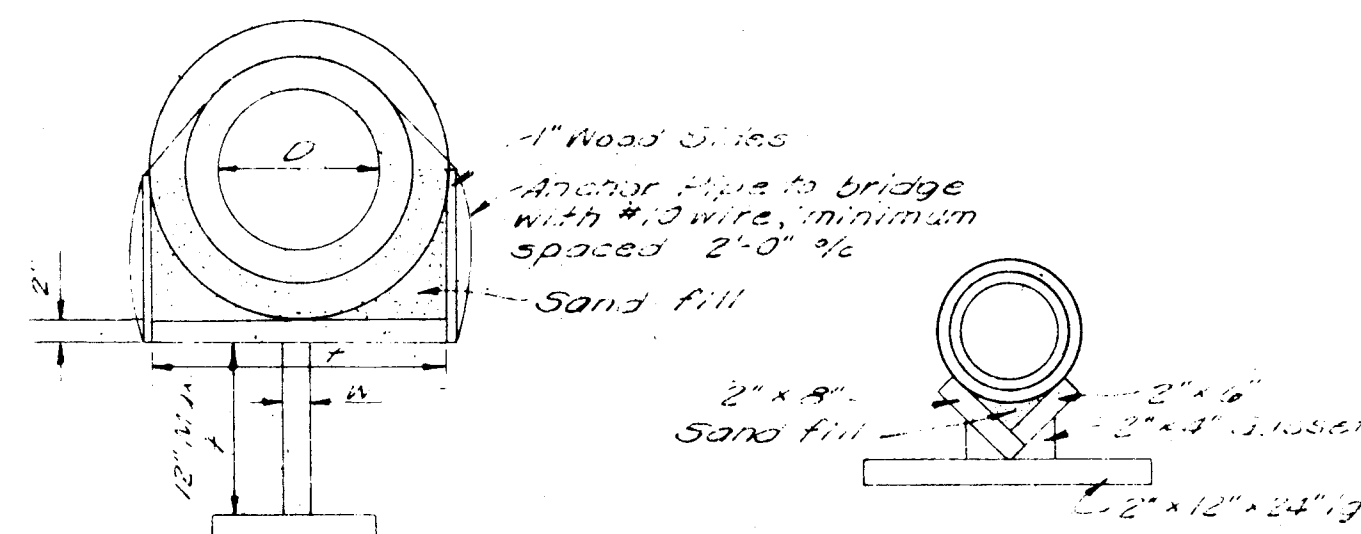


SECTION PRECAST MANHOLE

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

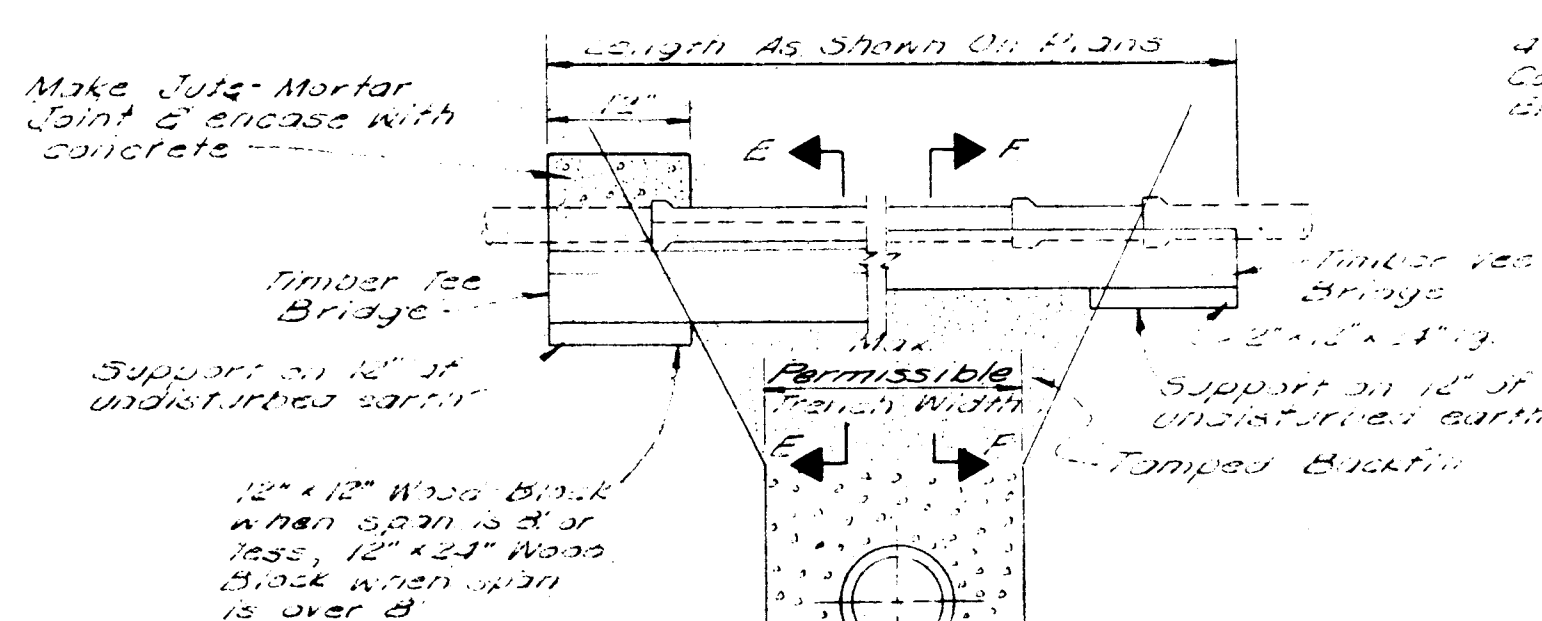
NOTE: Use Neenah R-1980-E or equal Cast Iron Manhole Steps

D	4"	6"	8"	10"	12"	15"	18"
F	8"	12"	16"	18"	20"	24"	28"
W	2"	2"	3"	3"	3"	3"	3"

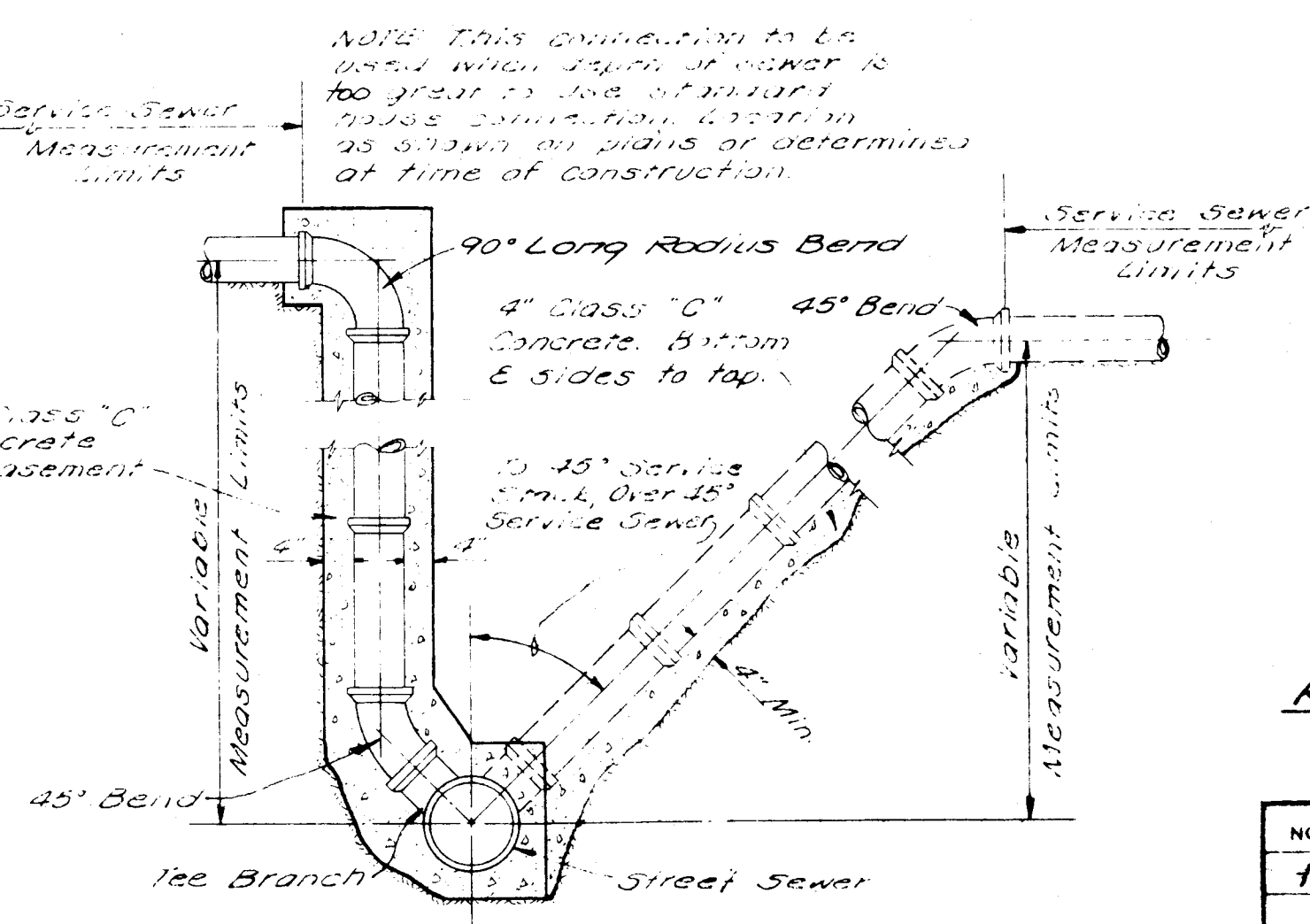


SECTION E-E

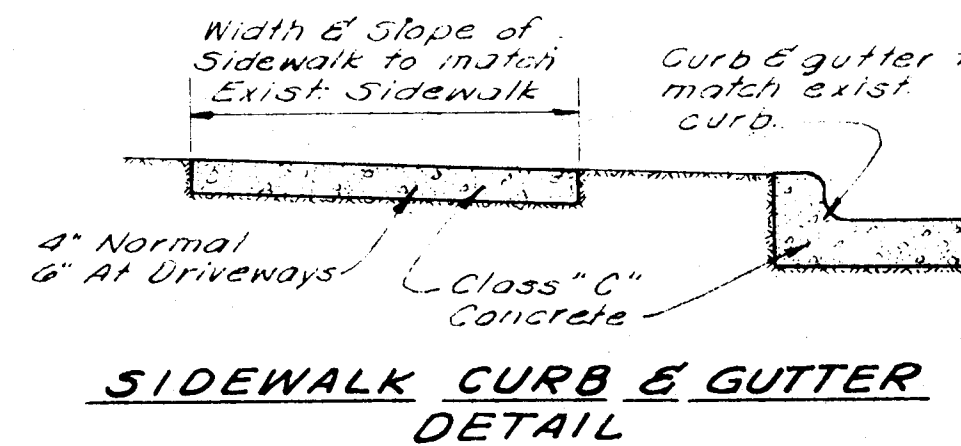
SECTION F-F



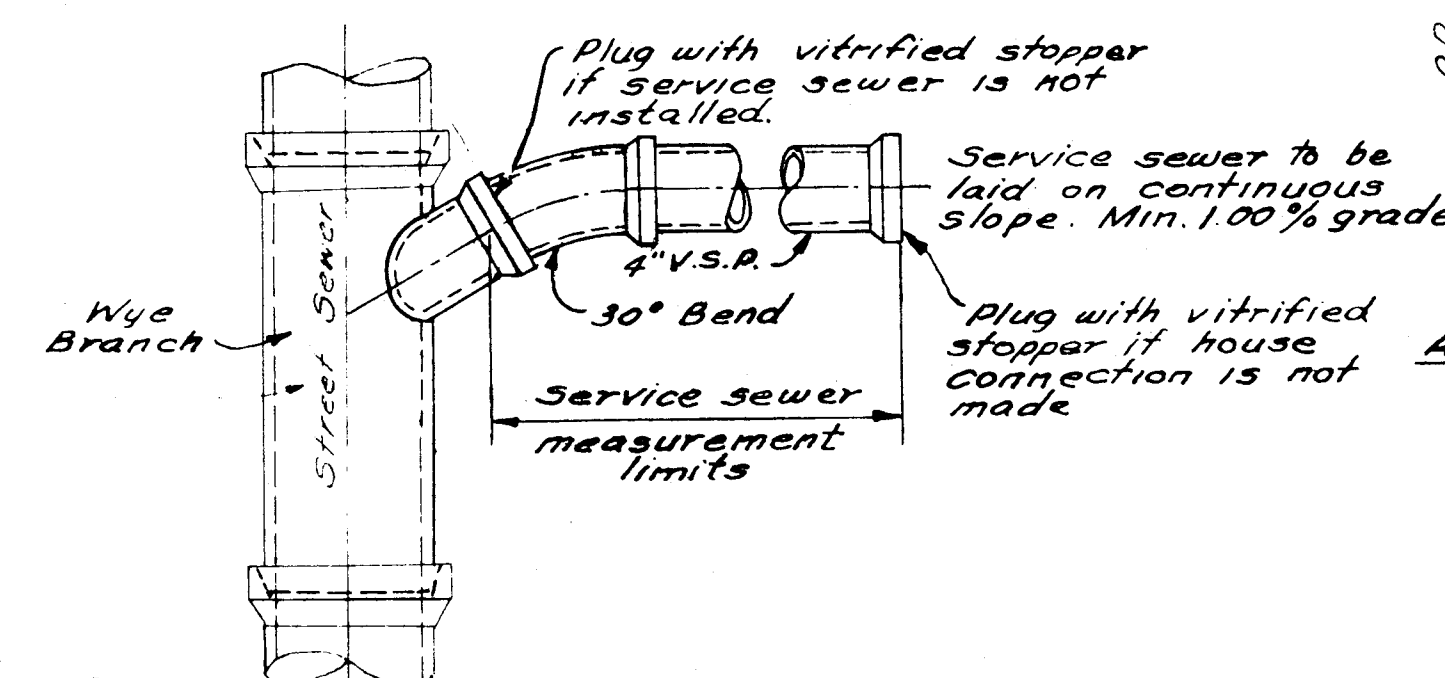
RESTORE EXIST. SEWER PIPE LINES



TYPICAL SERVICE STACK



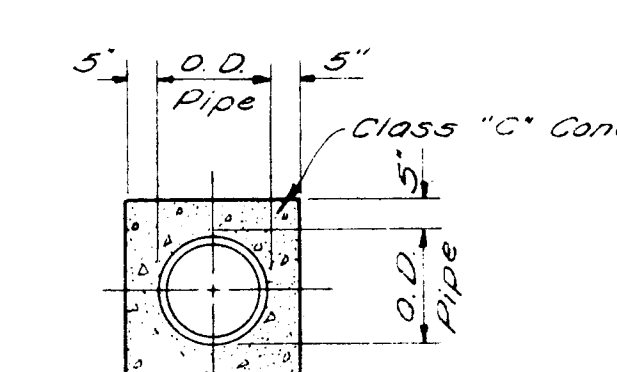
SIDEWALK CURB & GUTTER DETAIL



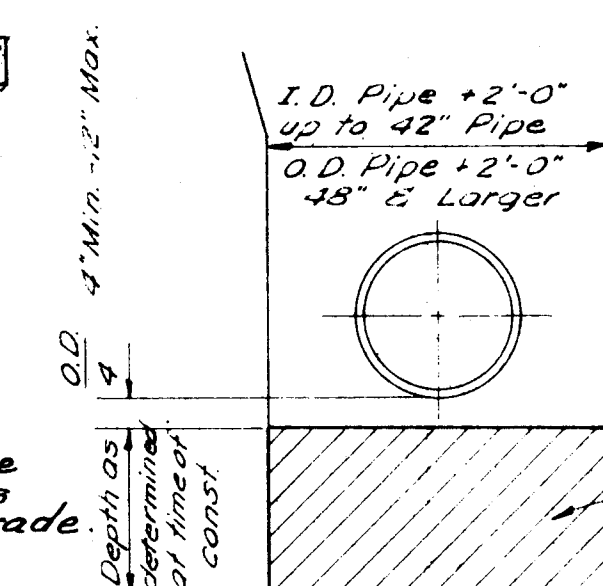
STANDARD SERVICE CONNECTION

RECONNECTION OF EXISTING SERVICE SEWER

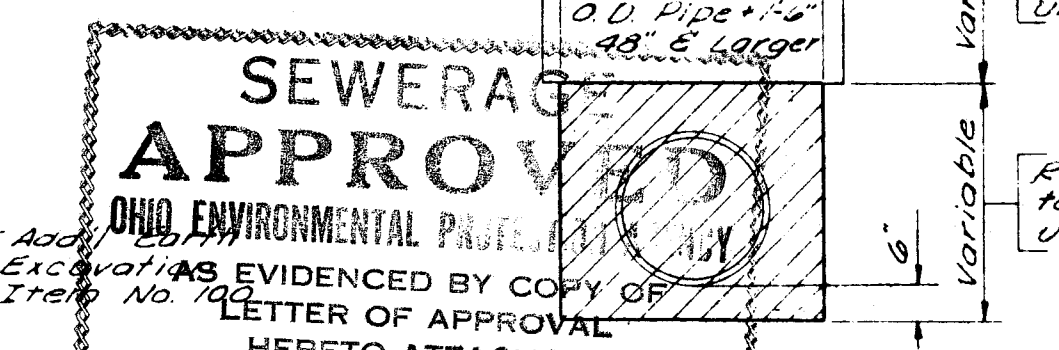
NO	REVISION DATA	DATE	BY	APP'D
1	REVISED	11-3-71	D.B.	



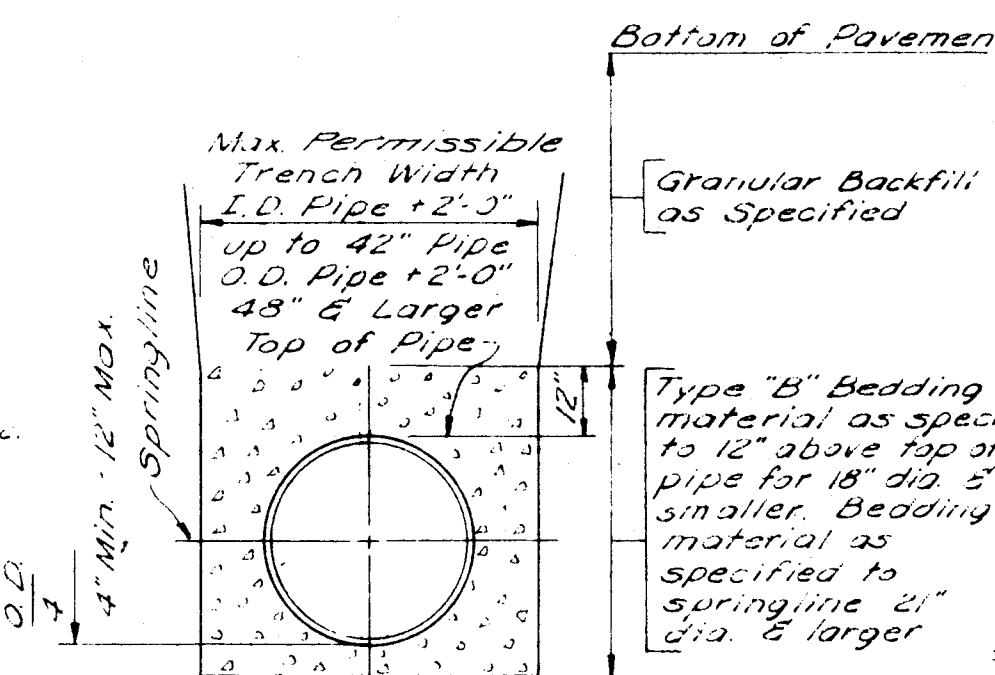
TYPICAL PIPE ENCASEMENT



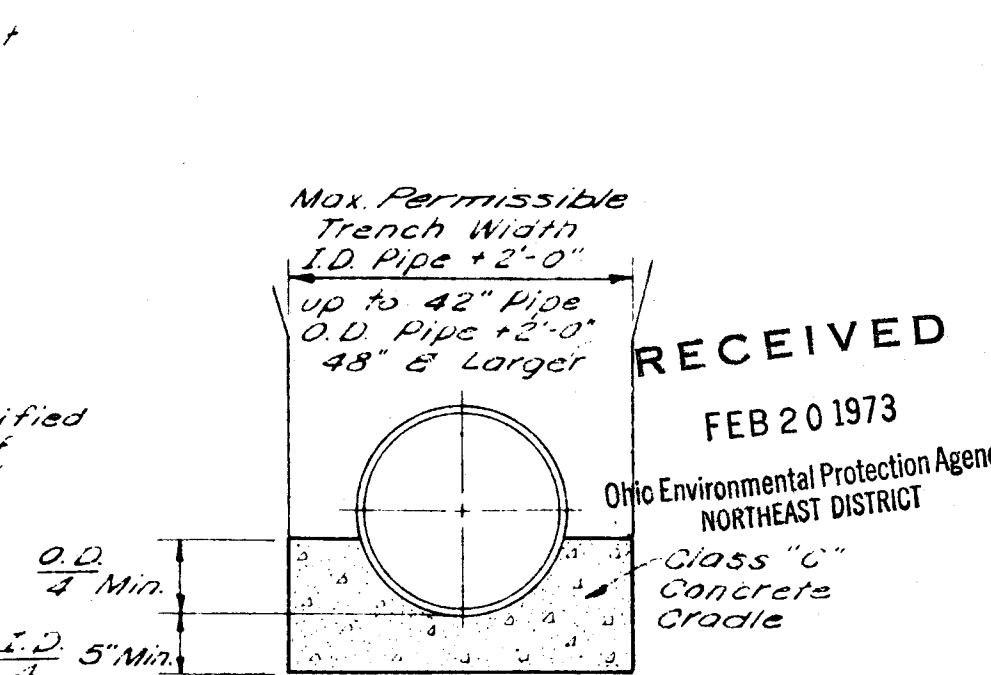
ADDITIONAL EARTH EXCAVATION PAYMENT LIMITS



SEWERAGE APPROVED SEAL



STANDARD BEDDING AND TRENCH DETAILS



TYPE "A" BEDDING

Note: All details on this drawing are not necessarily applicable to this contract.

RECEIVED
FEB 20 1973

Ohio Environmental Protection Agency

RECEIVED
FEB 20 1973

Ohio Environmental Protection Agency

DEPARTMENT OF SANITARY ENGINEERING
STARK COUNTY, OHIO

DATE OCT. 1, 1971
SCALE

JOB NO.
DWG. NO.

DRAWN
TRACED

CHECKED
APPROVED

STANDARD DETAIL SHEET

CS-68

FILE 13