



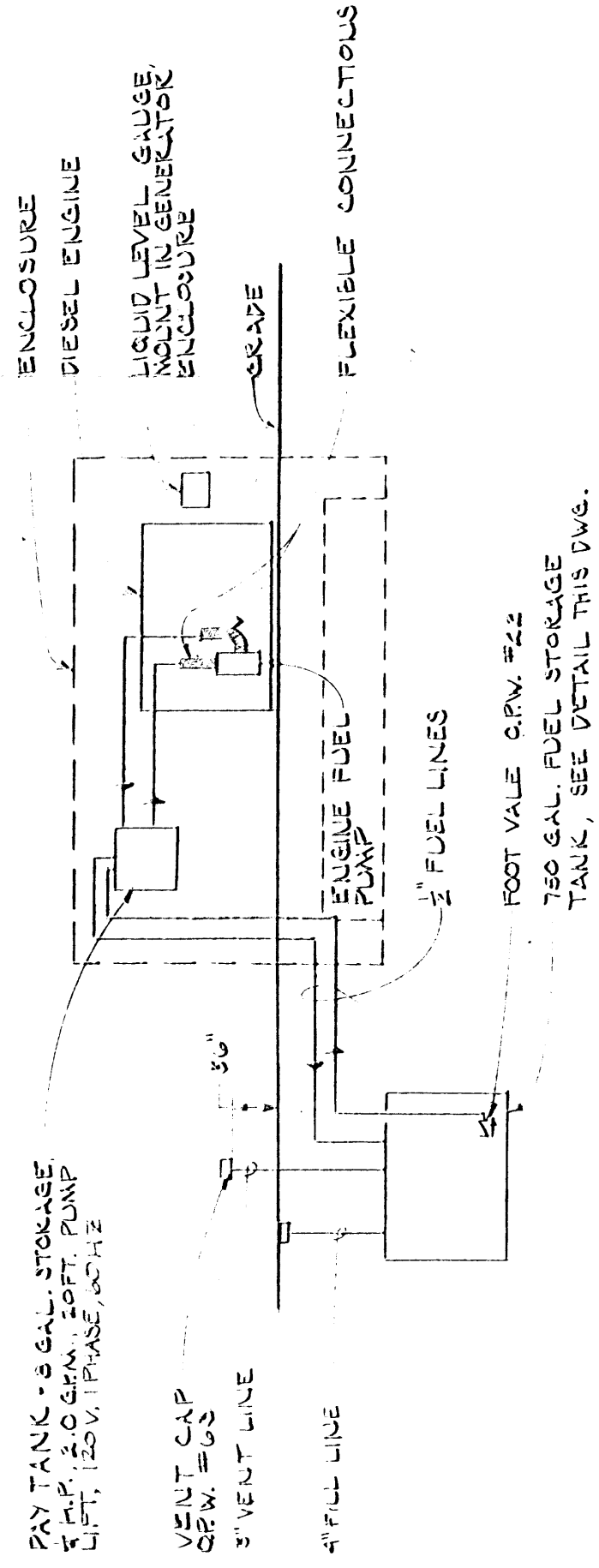
FLEXIBLE CONNECTION

VIBRATION ISOLATORS

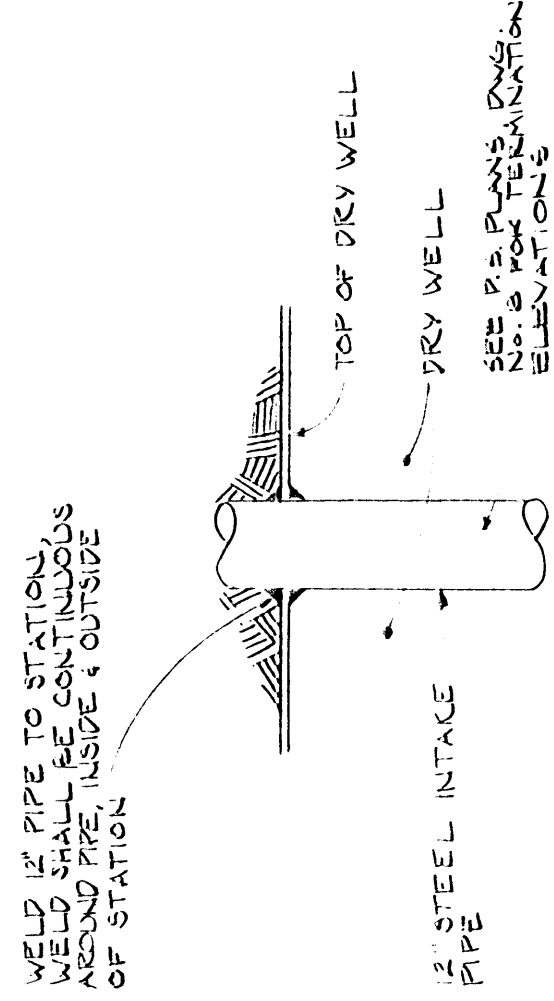
THICK STRUCTURAL ALUM. PLATE

NUT AND LOCKWASHER (x4)

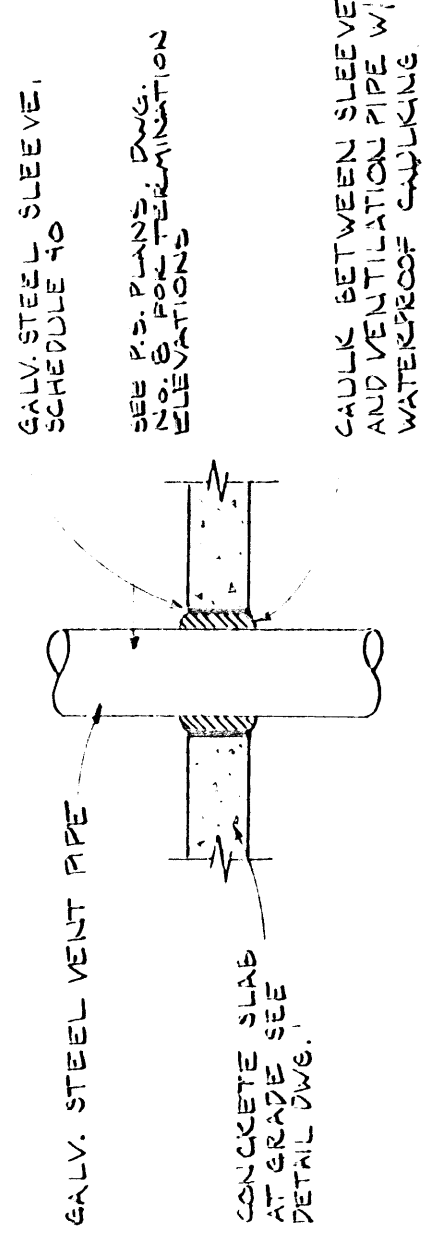
FUEL PIPING DIAGRAM



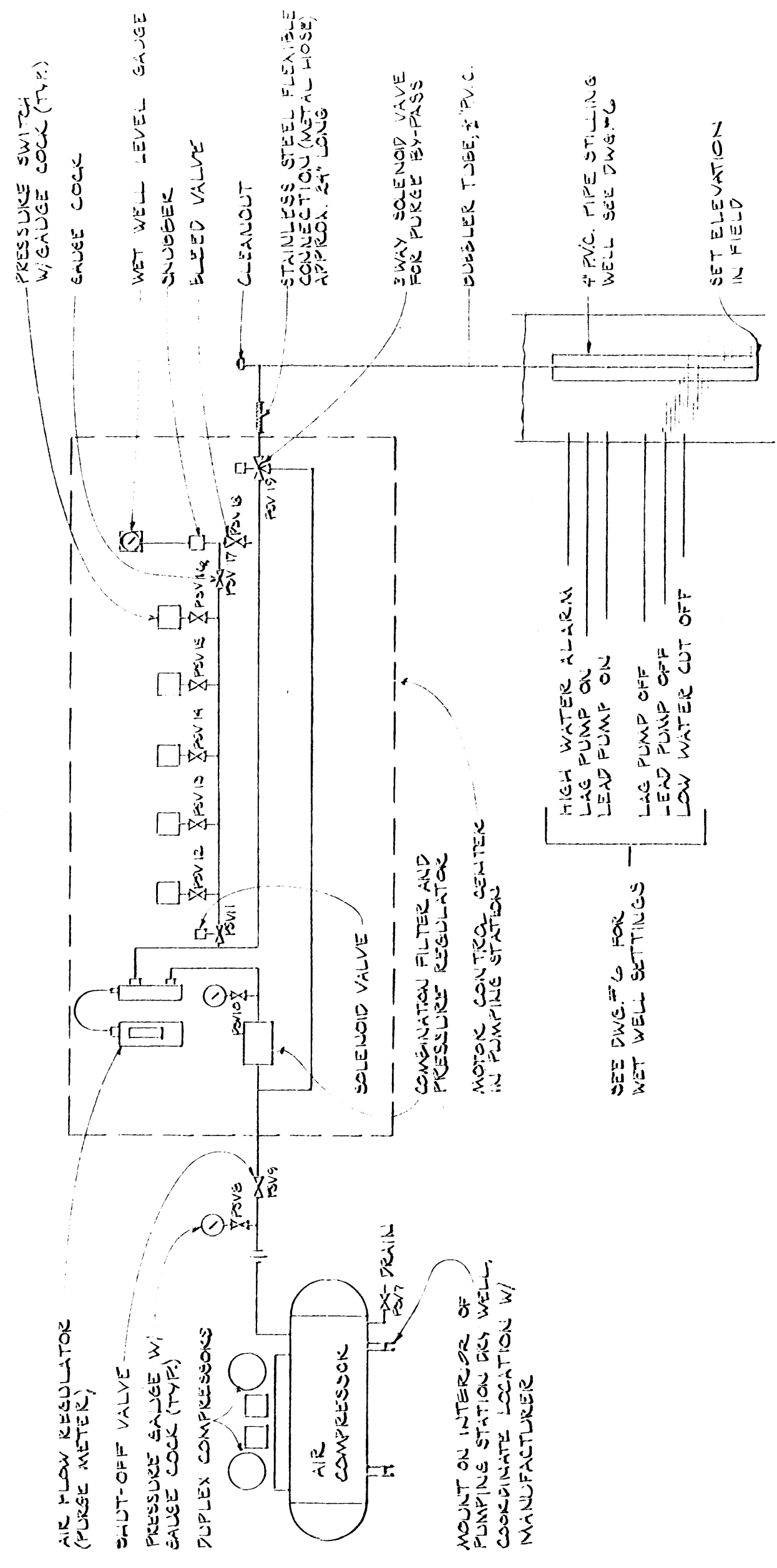
FUEL PIPING DIAGRAM



PIPE PENETRATION
THRU STATION DETAIL



PIPE PENETRATION
THRU SLAB DETAIL



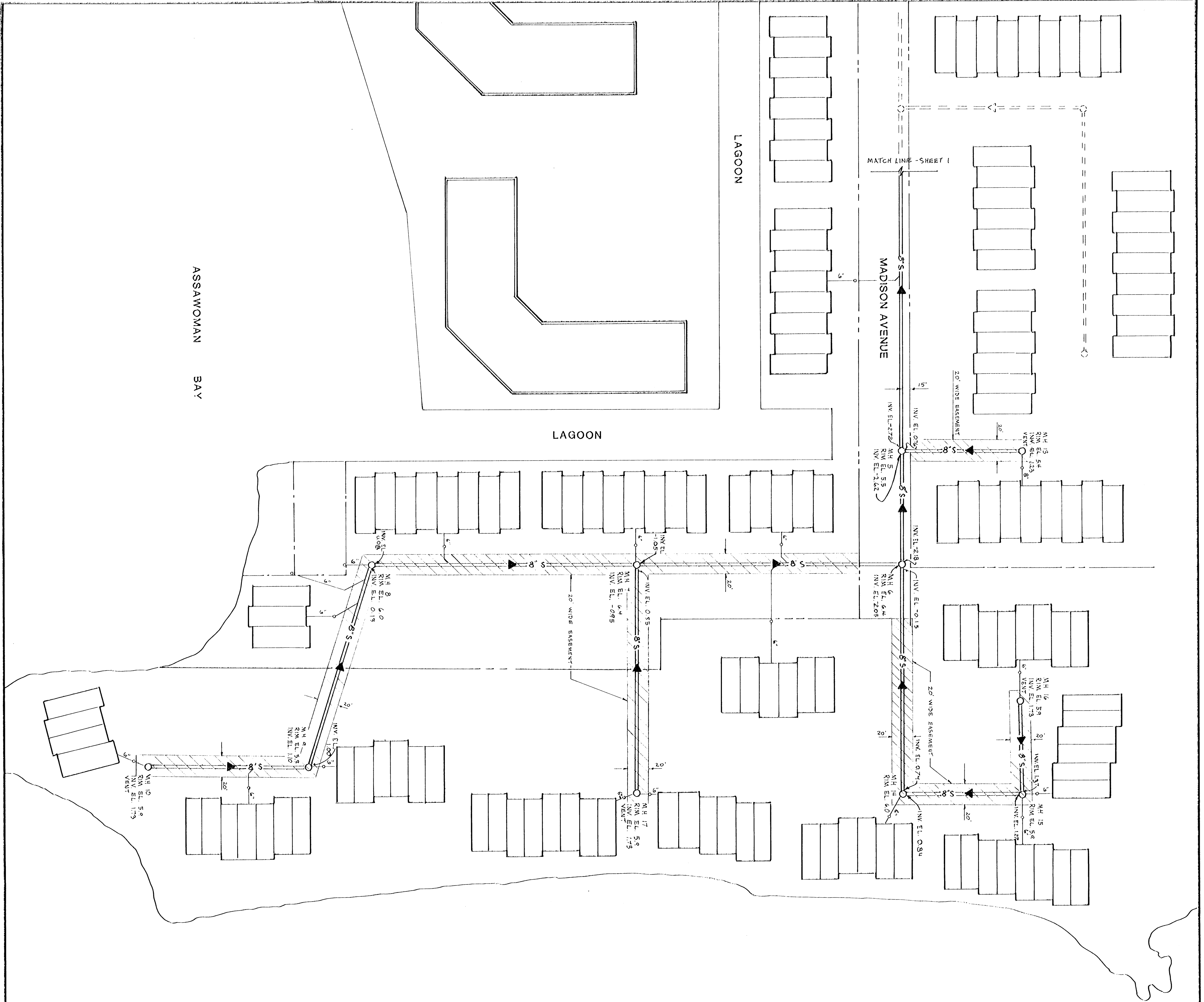
BUBBLER SYSTEM SCHEMATIC DIAGRAM

2005

SEWAGE PUMPING STATION MISCELLANEOUS DETAILS EDGEWATER ACRES

IS
 & A LOEWENSTEIN, SOULÉ & ASSOCIATES, INC.
 ENGINEERING - SURVEYING - PLANNING
 HICKORY STREET - P.O. BOX 5 - FRANKFORD, DEL. 19345 - (302) 732-9595

DESIGNED BY	C. W. HICKSON	SHEET	3	OF	3
CHECKED BY	W. J. HICKSON	DATE	SEP 13 1964		
CORRECTED BY		DATE	SEP 13 1964		
		JOB NO.	13-102		

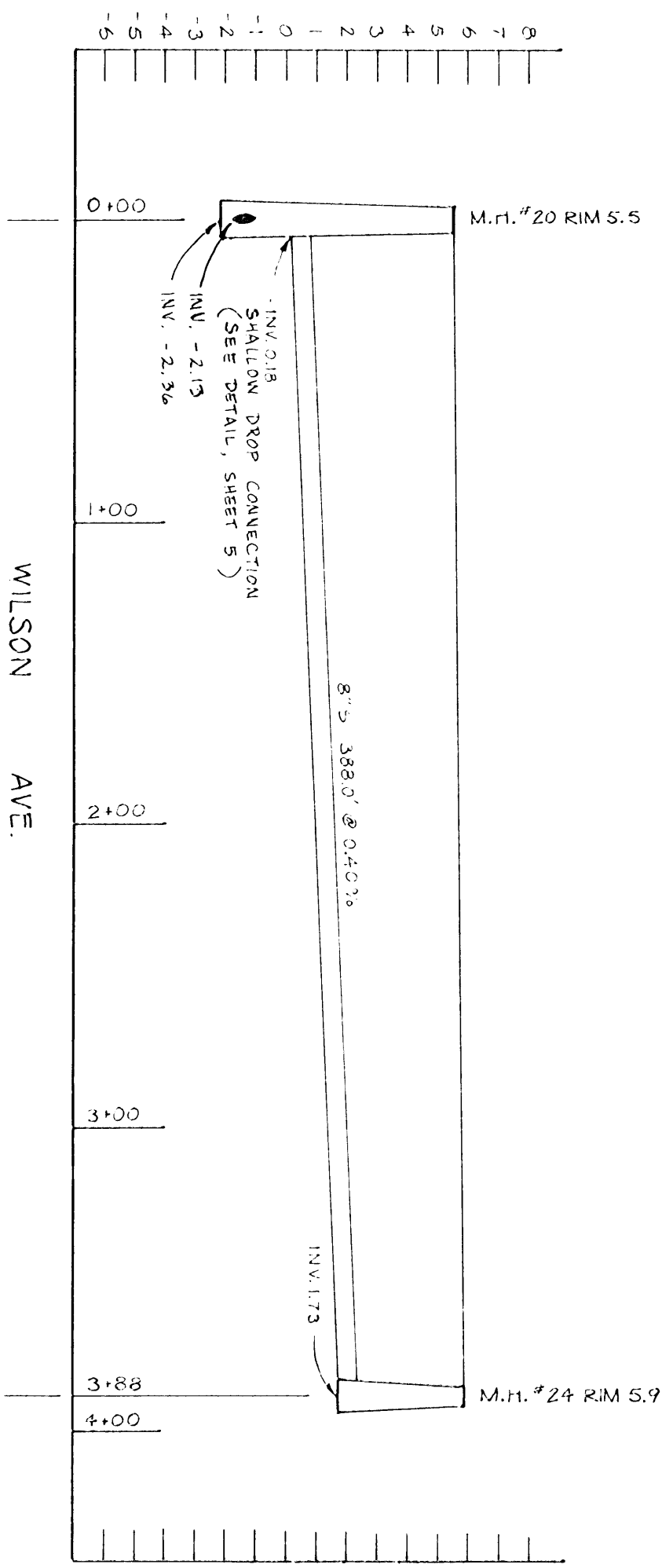
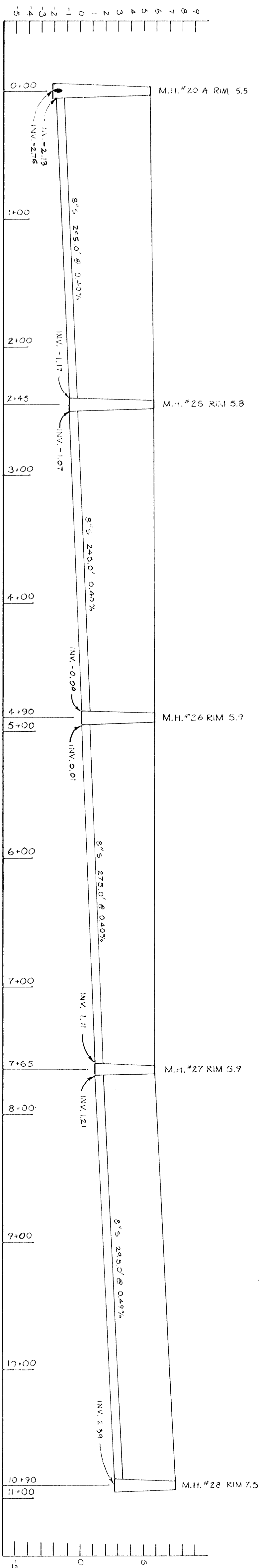
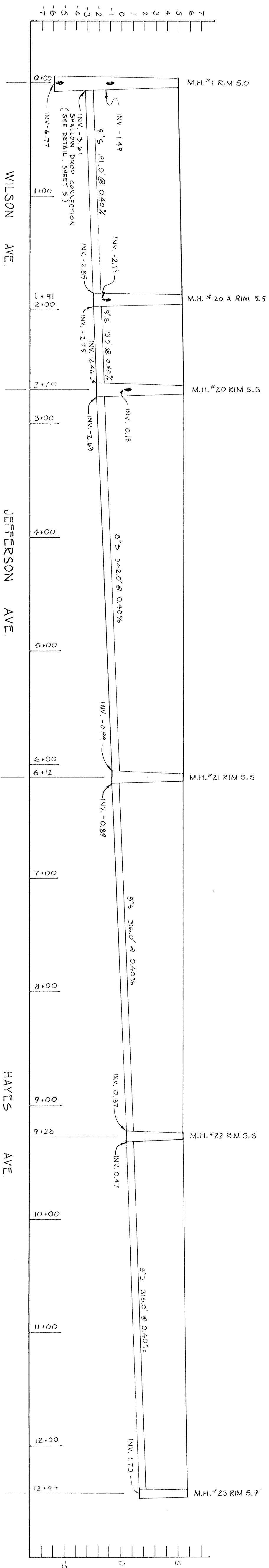


SEWER PLANS
EDGEWATER ACRES

ISA LOEWENSTEIN, SOULÉ & ASSOCIATES, INC.
ENGINEERING - SURVEYING - PLANNING
HICKORY STREET - P.O. BOX 5 - FRANKFORD, DEL. 19445 - (302) 732-9595

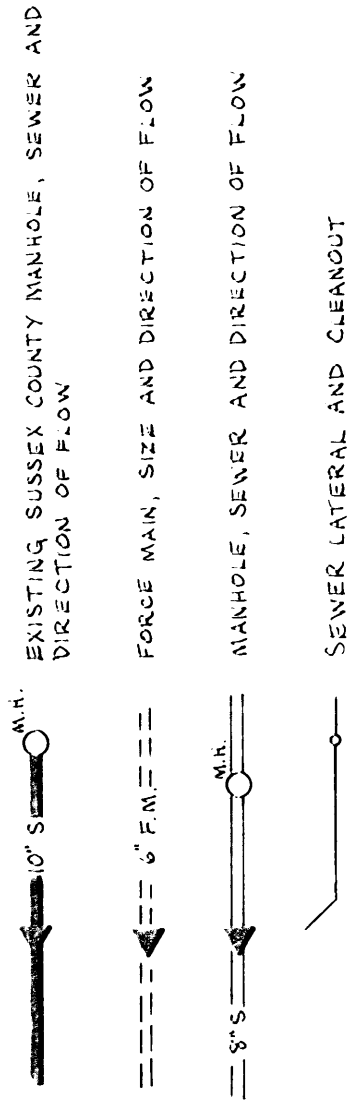
DESIGNED BY: J.W. HUDSON
DATE: SEP 10 1984
DRAWN BY: J.W. HUDSON
DATE: SEP 10 1984
SHEET 2 OF 2

REVISED: JULY 1985.



PROFILE SCALE:
VERT.: 1"=5.0' HORIZ.: 1"=50.0'

SEWER PROFILES EDGEWATER ACRES



SEWER PLANS EDGEWATER ACRES

L.S. & A. LOEWENSTEIN, SOULÉ & ASSOCIATES, INC.
ENGINEERING - SURVEYING - PLANNING
HICKORY STREET • P.O. BOX 5 • FRANKFORD, DEL. 19545 • (302) 732-5555

ASSAWCMAN BAY

REVISÉ : 11/15/84

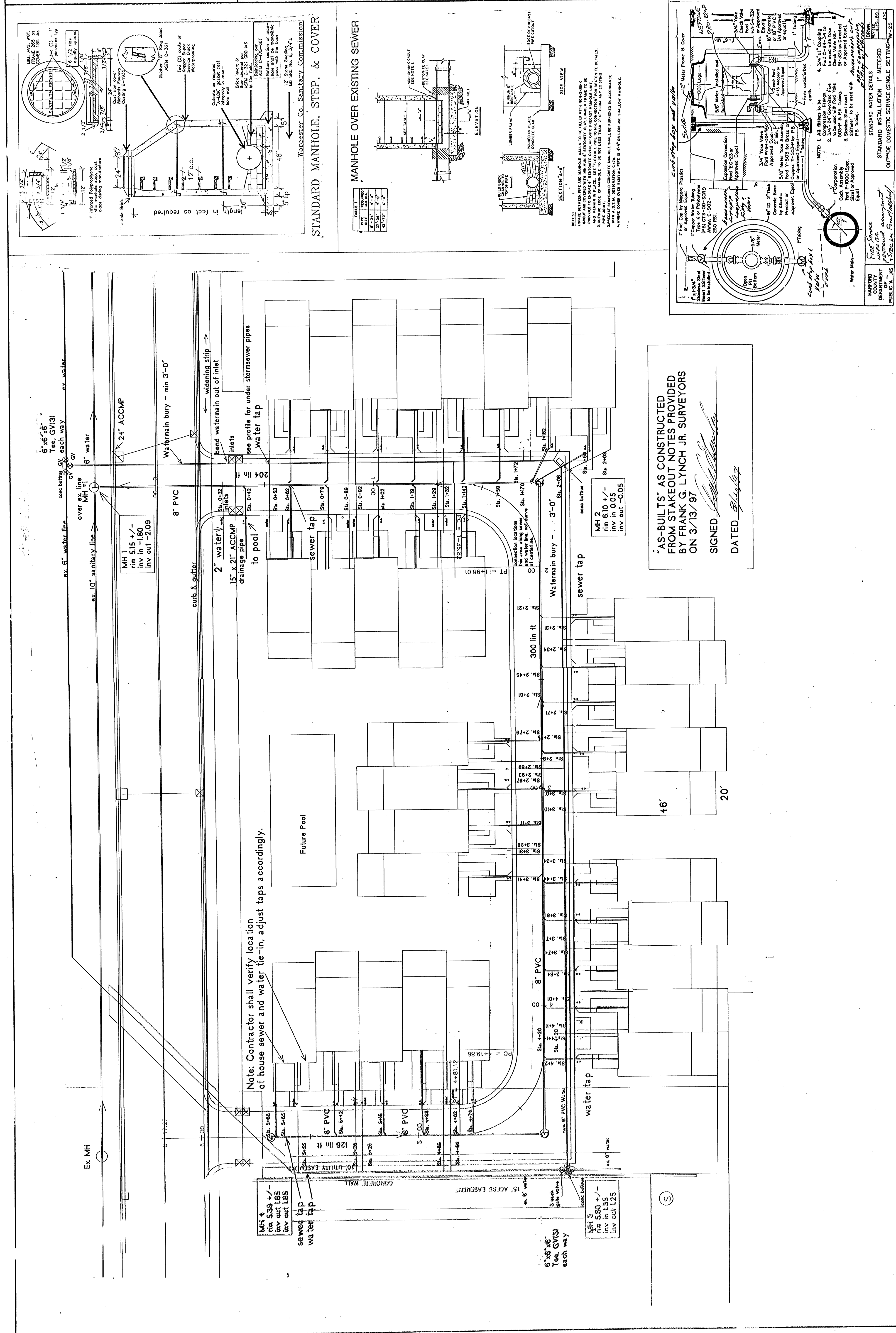
DESIGNED BY	DATE	SEPT. 1934
DRAWN BY	SCALE	1" = 50'
CHECKED BY	JOB NO.	88-247
J. W. HUDSON		

SHEET 1 OF 2

SEWER AND WATER PLAN
Edgewater Acres

Scale 1" = 20'
Date 10/01/96
Drawing Name Edgdc5
Revisions
1/3
Sheet

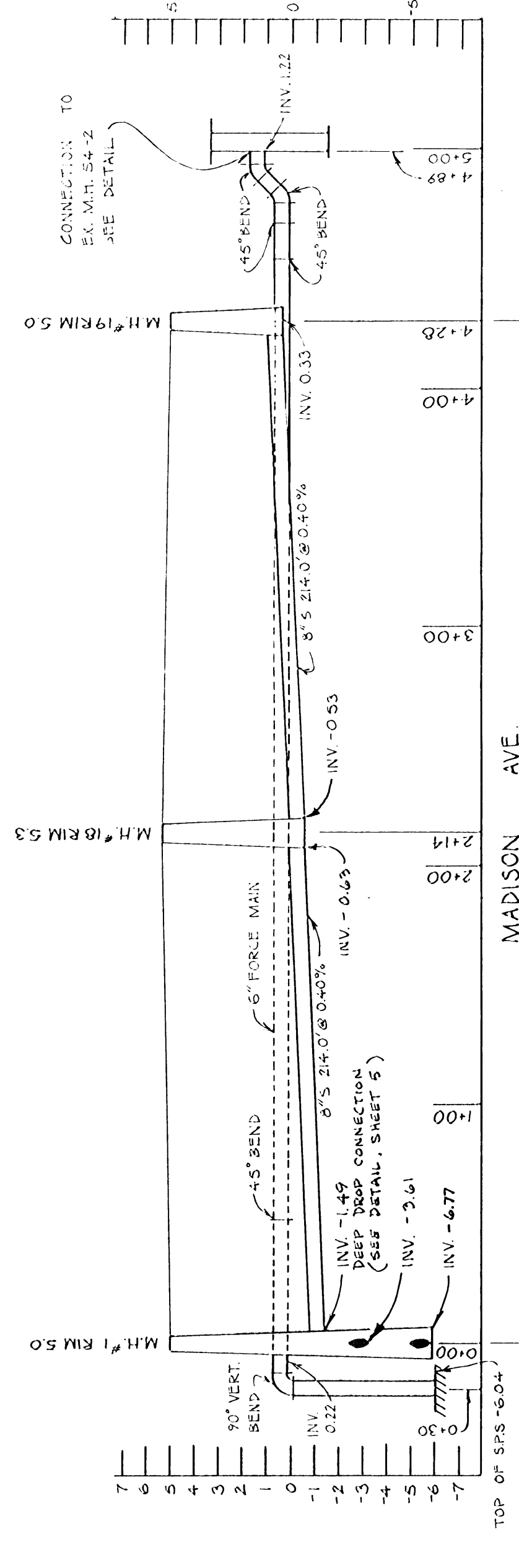
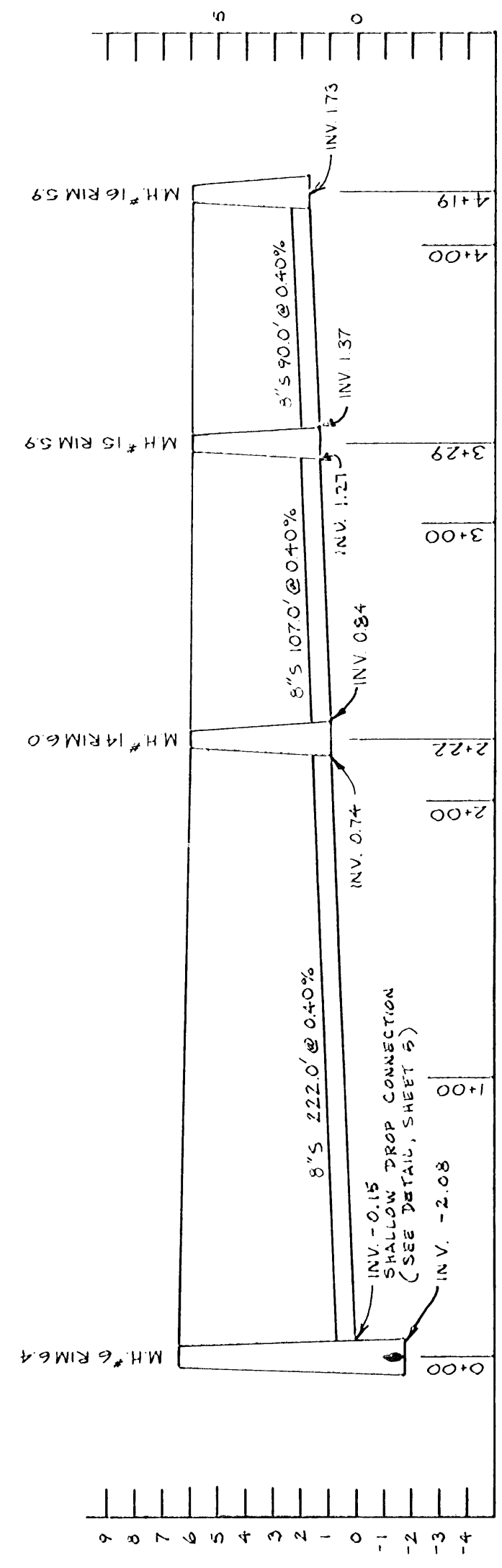
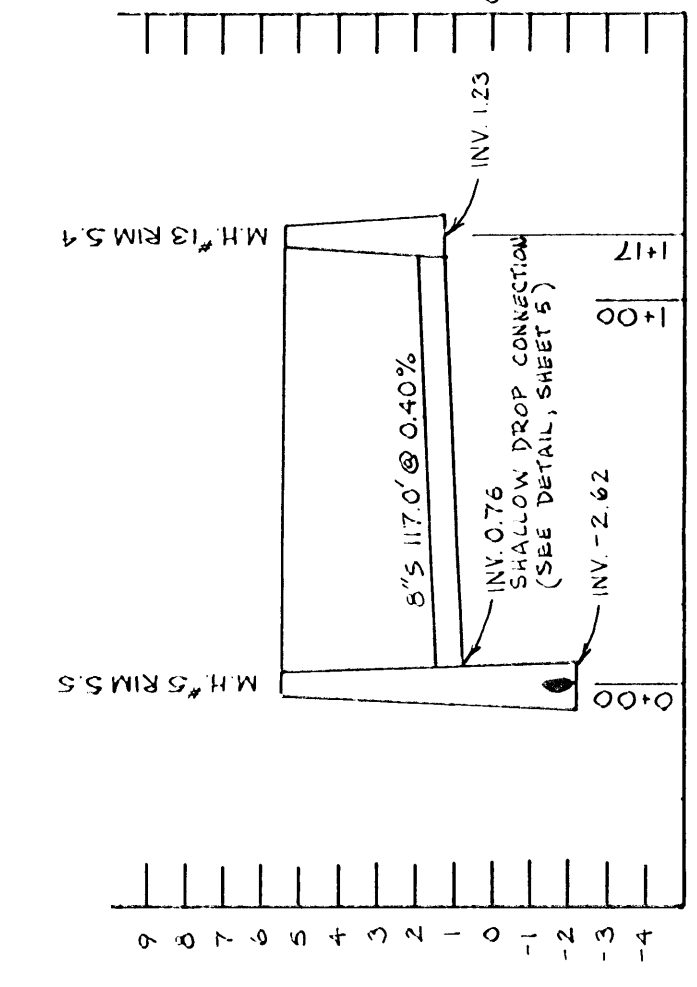
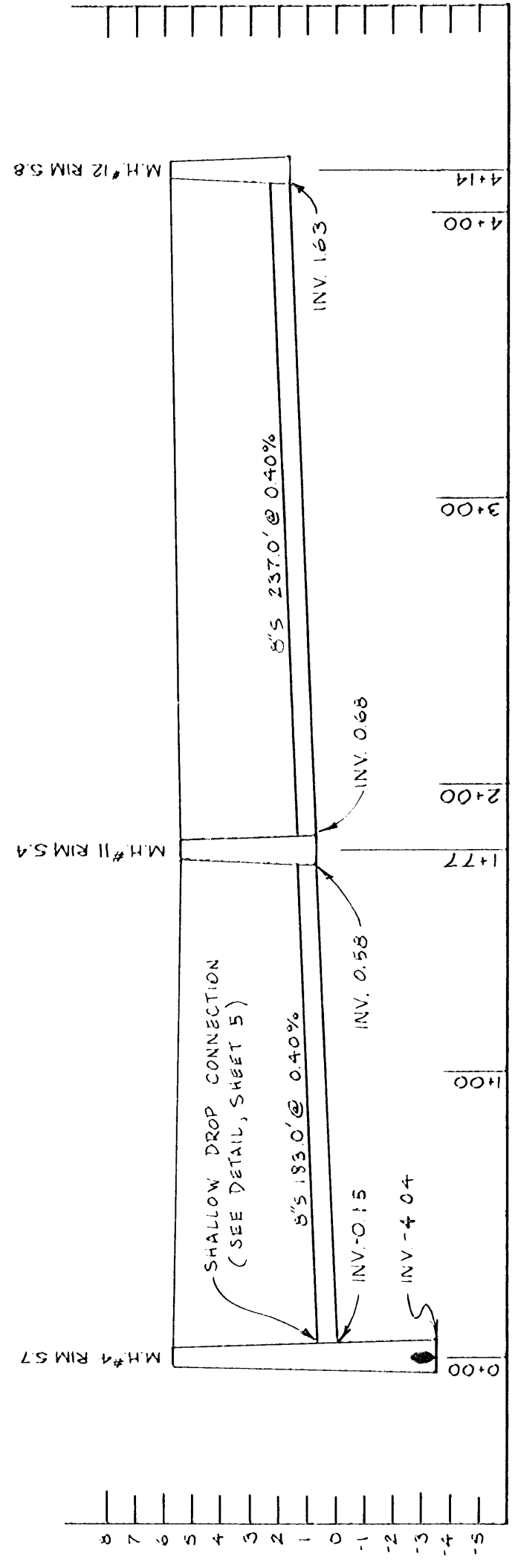
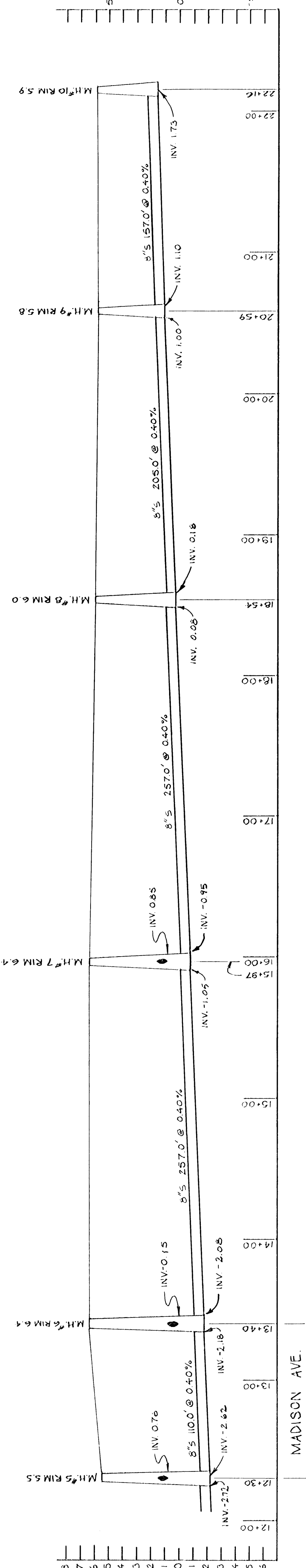
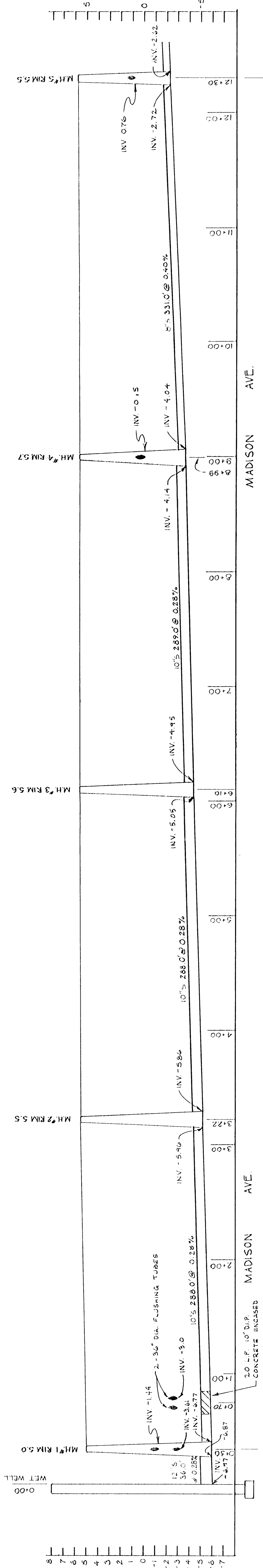
TLG Engineering Co.
311 Oakley Street
Cambridge, MD 21613
Voice: 1-410-228-6233
Fax: 1-410-228-1283
E-Mail: tlg@shoreintercom.net



STANDARD MANHOLE, STEP. & COVER
Worcester Co. Sanitary Commission

MANHOLE OVER EXISTING SEWER

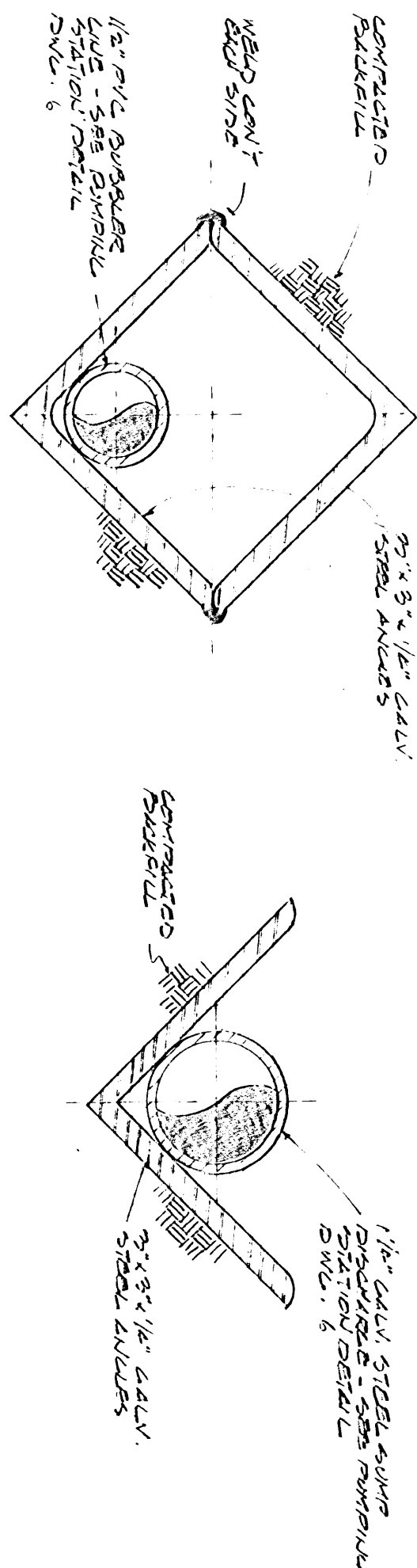
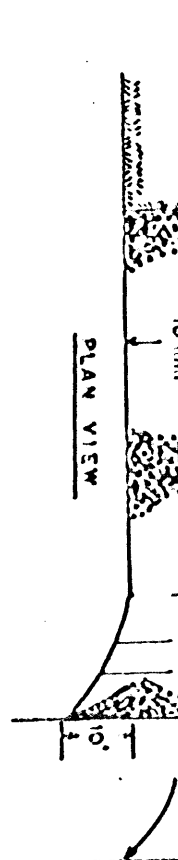
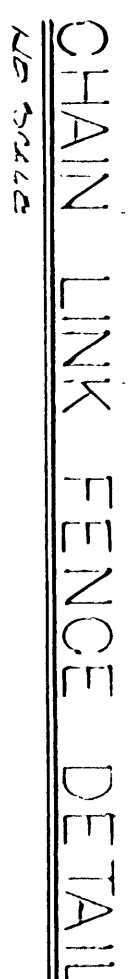
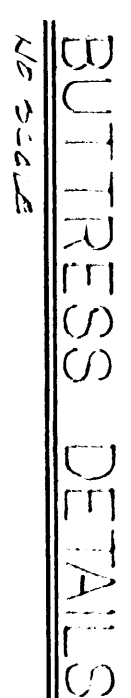
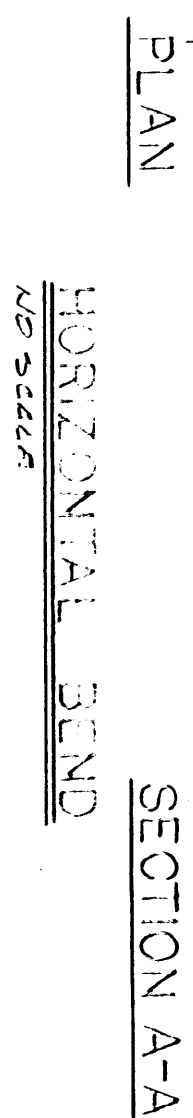
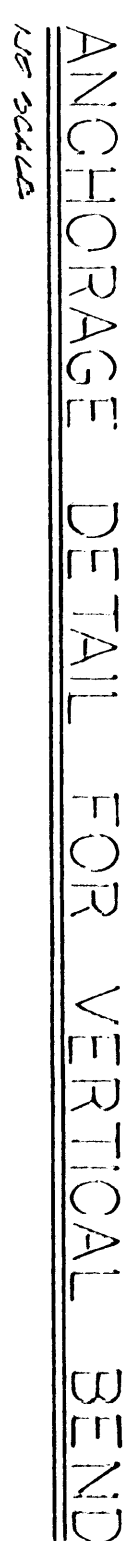
TABLE 1
SIZE
4" x 4"
6" x 6"
8" x 8"
10" x 10"
12" x 12"
15" x 15"
18" x 18"
24" x 24"
30" x 30"
36" x 36"
42" x 42"
48" x 48"
54" x 54"
60" x 60"
72" x 72"
84" x 84"
96" x 96"
108" x 108"
120" x 120"
144" x 144"
168" x 168"
192" x 192"
216" x 216"
240" x 240"
264" x 264"
288" x 288"
312" x 312"
336" x 336"
360" x 360"
384" x 384"
408" x 408"
432" x 432"
456" x 456"
480" x 480"
504" x 504"
528" x 528"
552" x 552"
576" x 576"
600" x 600"
624" x 624"
648" x 648"
672" x 672"
696" x 696"
720" x 720"
744" x 744"
768" x 768"
792" x 792"
816" x 816"
840" x 840"
864" x 864"
888" x 888"
912" x 912"
936" x 936"
960" x 960"
984" x 984"
1008" x 1008"
1032" x 1032"
1056" x 1056"
1080" x 1080"
1104" x 1104"
1128" x 1128"
1152" x 1152"
1176" x 1176"
1200" x 1200"
1224" x 1224"
1248" x 1248"
1272" x 1272"
1296" x 1296"
1320" x 1320"
1344" x 1344"
1368" x 1368"
1392" x 1392"
1416" x 1416"
1440" x 1440"
1464" x 1464"
1488" x 1488"
1512" x 1512"
1536" x 1536"
1560" x 1560"
1584" x 1584"
1608" x 1608"
1632" x 1632"
1656" x 1656"
1680" x 1680"
1704" x 1704"
1728" x 1728"
1752" x 1752"
1776" x 1776"
1800" x 1800"
1824" x 1824"
1848" x 1848"
1872" x 1872"
1896" x 1896"
1920" x 1920"
1944" x 1944"
1968" x 1968"
1992" x 1992"
2016" x 2016"
2040" x 2040"
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2160" x 2160"
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2280" x 2280"
2304" x 2304"
2328" x 2328"
2352" x 2352"
2376" x 2376"
2400" x 2400"
2424" x 2424"
2448" x 2448"
2472" x 2472"
2496" x 2496"
2520" x 2520"
2544" x 2544"
2568" x 2568"
2592" x 2592"
2616" x 2616"
2640" x 2640"
2664" x 2664"
2688" x 2688"
2712" x 2712"
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2760" x 2760"
2784" x 2784"
2808" x 2808"
2832" x 2832"
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2880" x 2880"
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2928" x 2928"
2952" x 2952"
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3000" x 3000"
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3192" x 3192"
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5400" x 5400"
5424" x 5424"
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14952" x 14952"
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15000" x 15000"
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15120" x 15120"
15144" x 15144"
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15192" x 15192"
15216" x 15216"
15240" x 15240"
15264" x 15264"
15288" x 15288"
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15384" x 15384"
15408" x 15408"
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15576" x 15576"
15600" x 15600"
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15648" x 15648"
15672" x 15672"
15696" x 15696"
15720" x 15720"
15744" x 15744"
15768" x 15768"
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15864" x 15864"
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18696" x 18696"
187



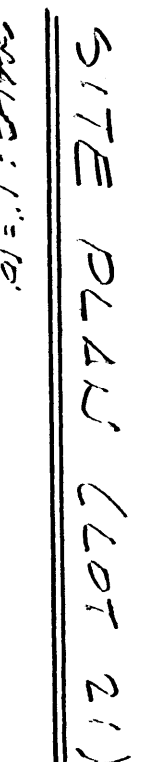
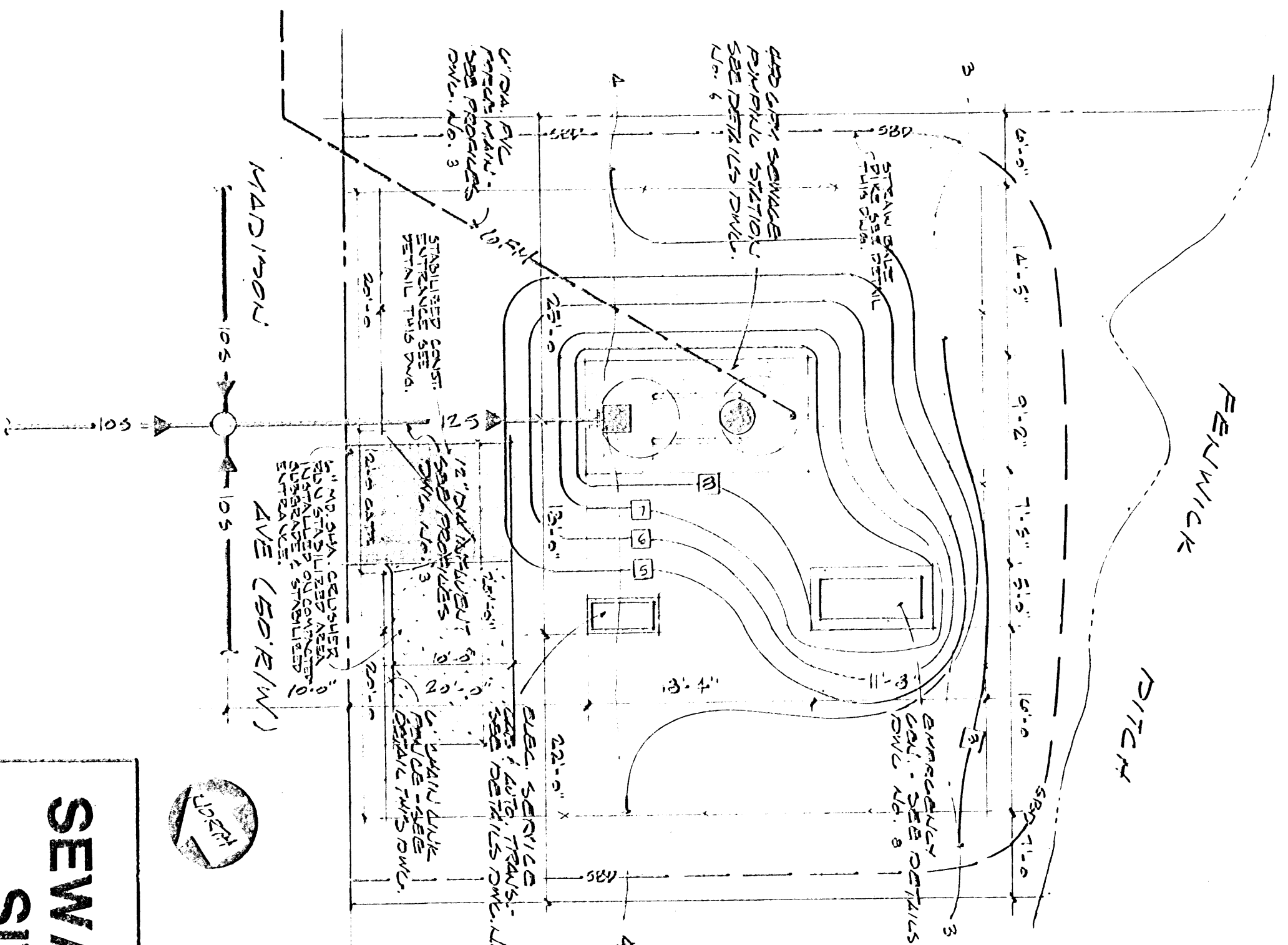
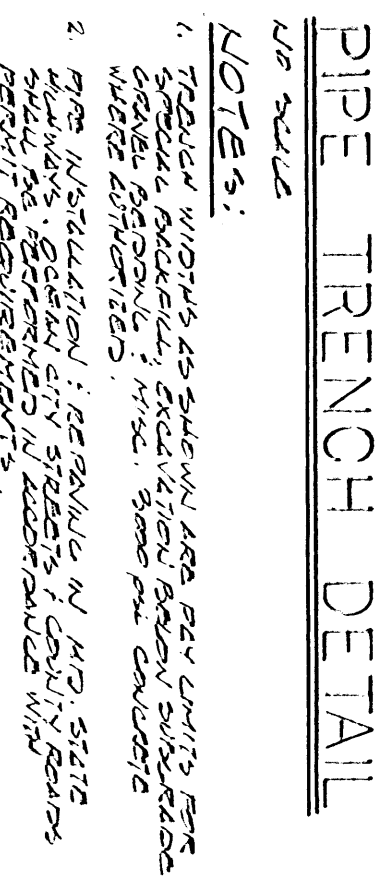
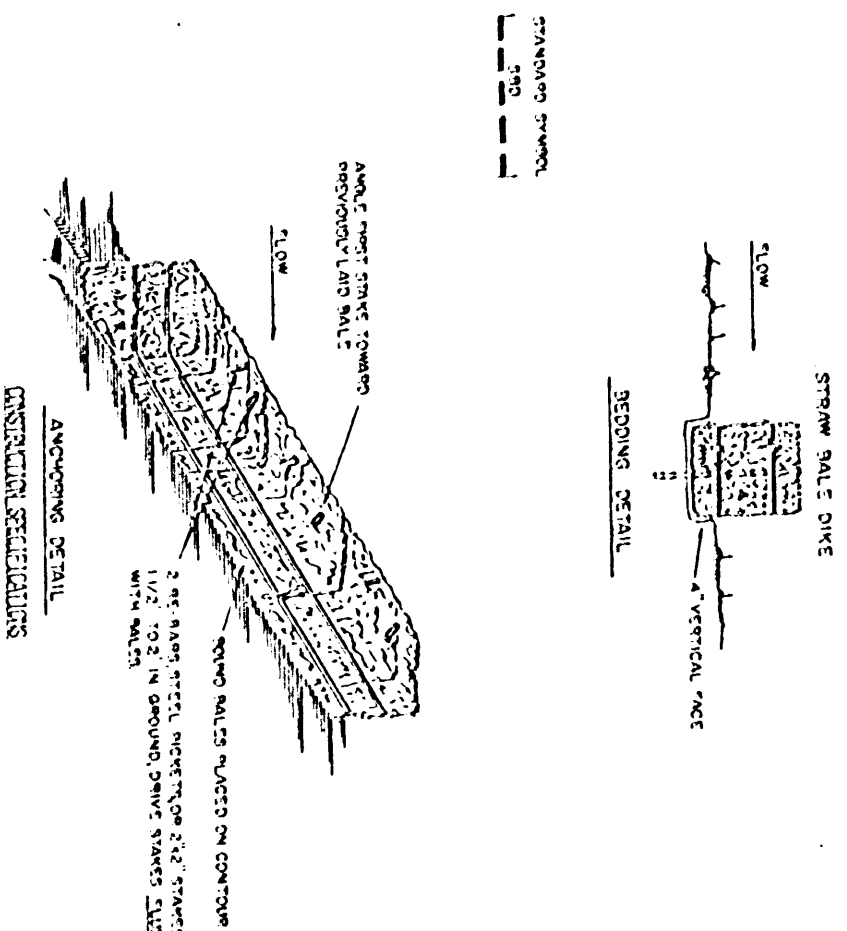
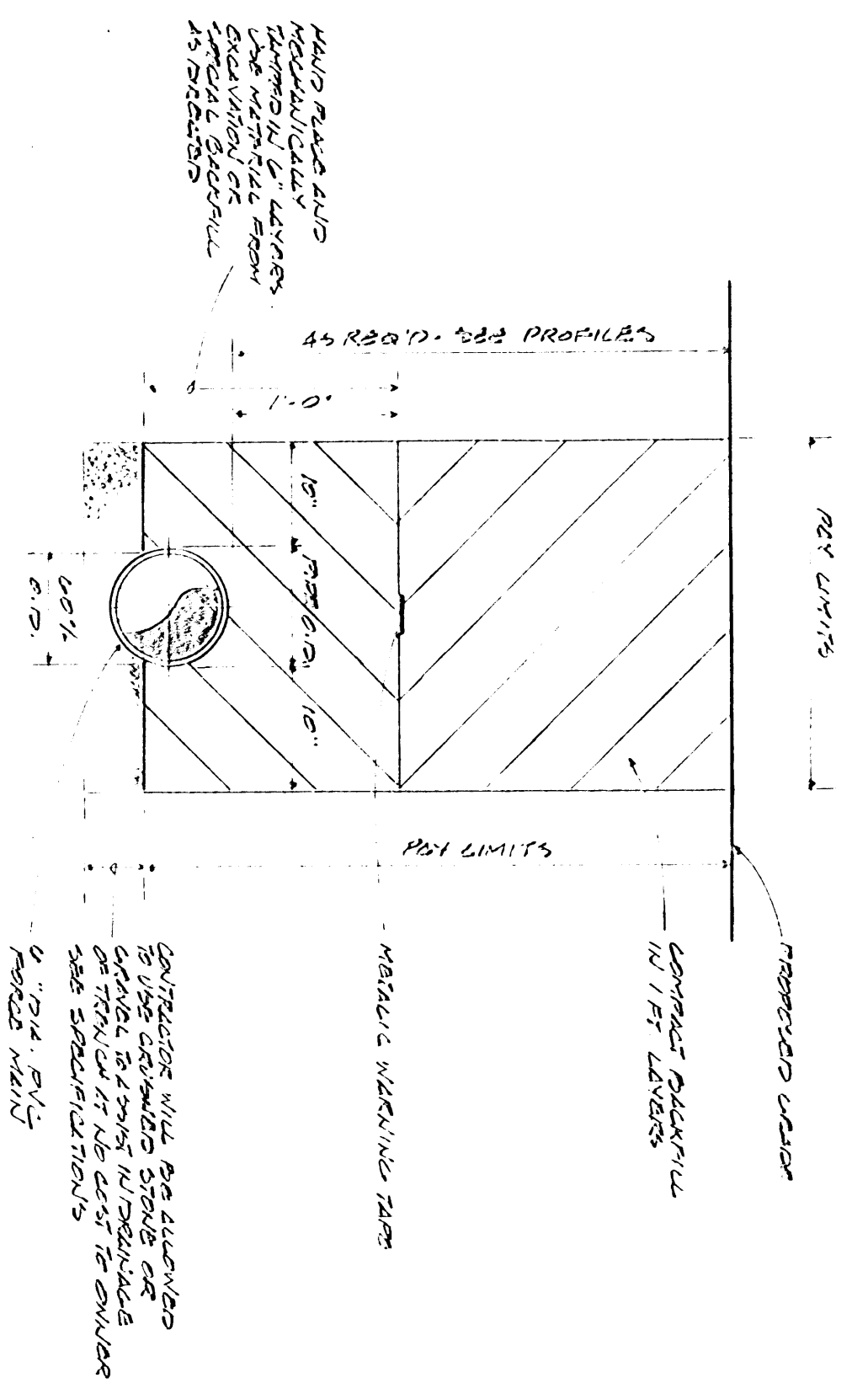
PROFILE SCALE :
VERT. : 1" = 50'
HORIZ. : 1" = 500'

SEWER PROFILES EDGEWATERS ACRES

LS & A LOEWENSTEIN, SOULÉ & ASSOCIATES, INC.
ENGINEERING - SURVEYING - PLANNING
HICKORY STREET - P.O. BOX 5 - FRANKFORD, DEL. 19345 - (302)-752-5555



*ALL Dimensions are in feet-inches

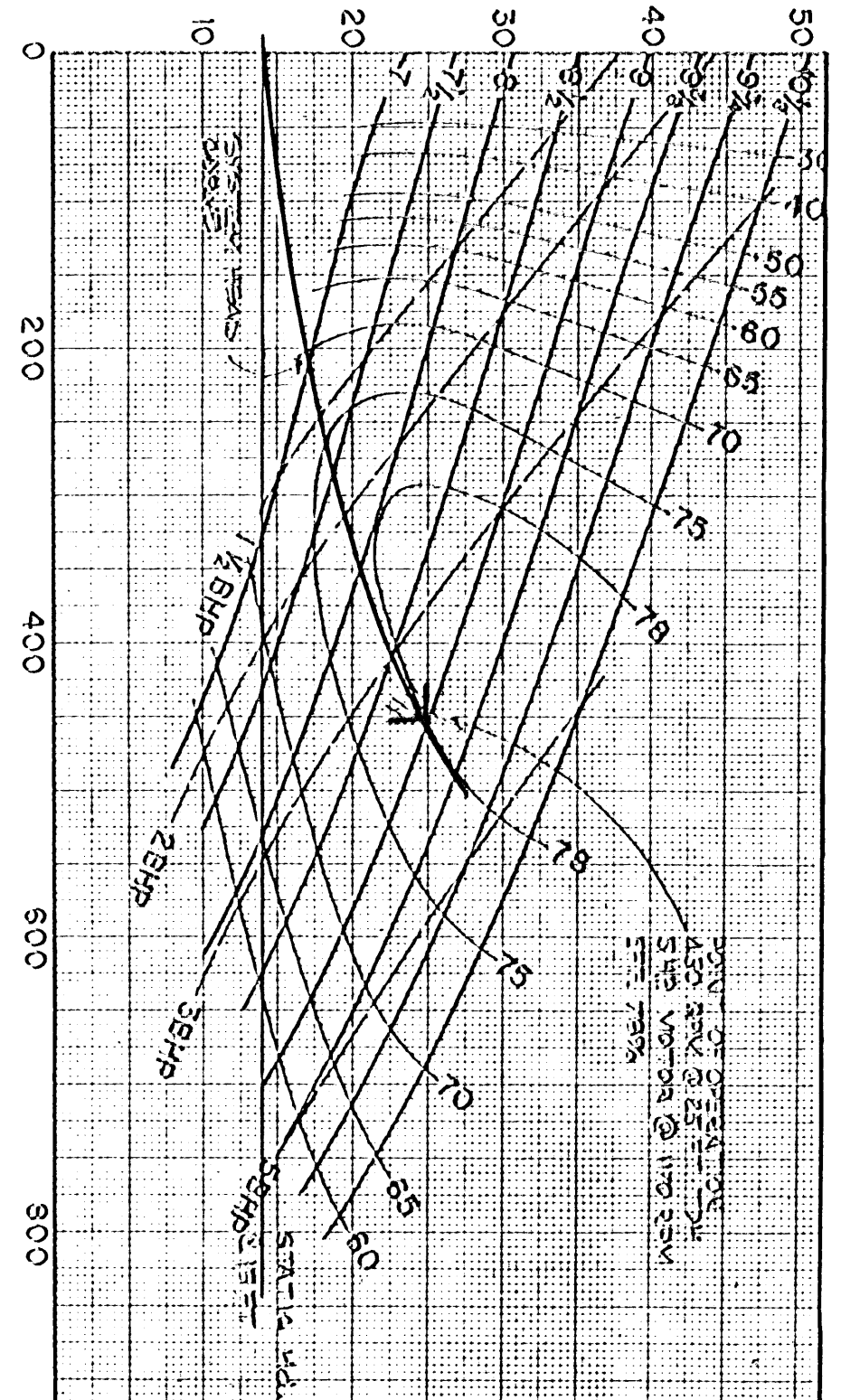
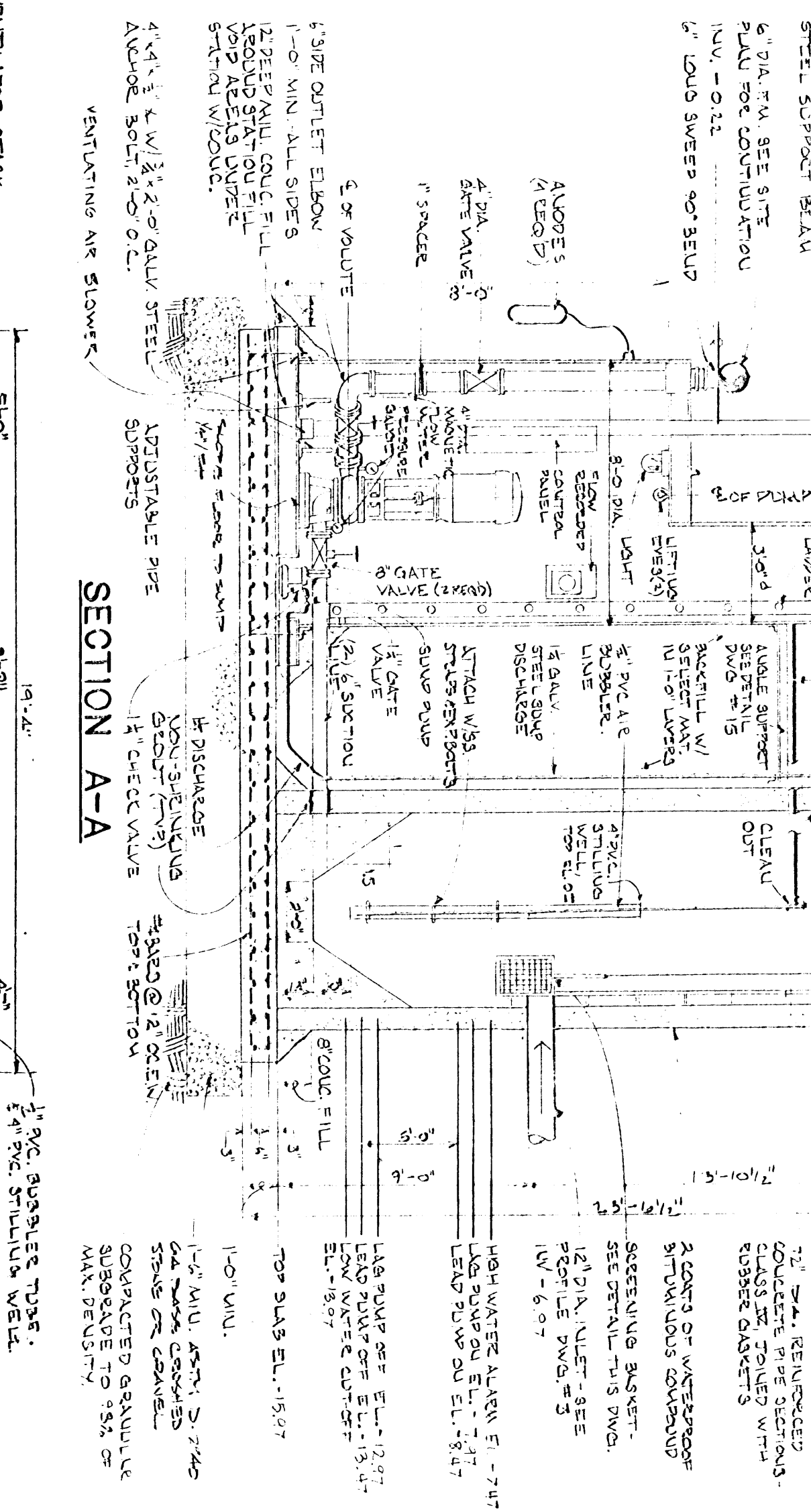
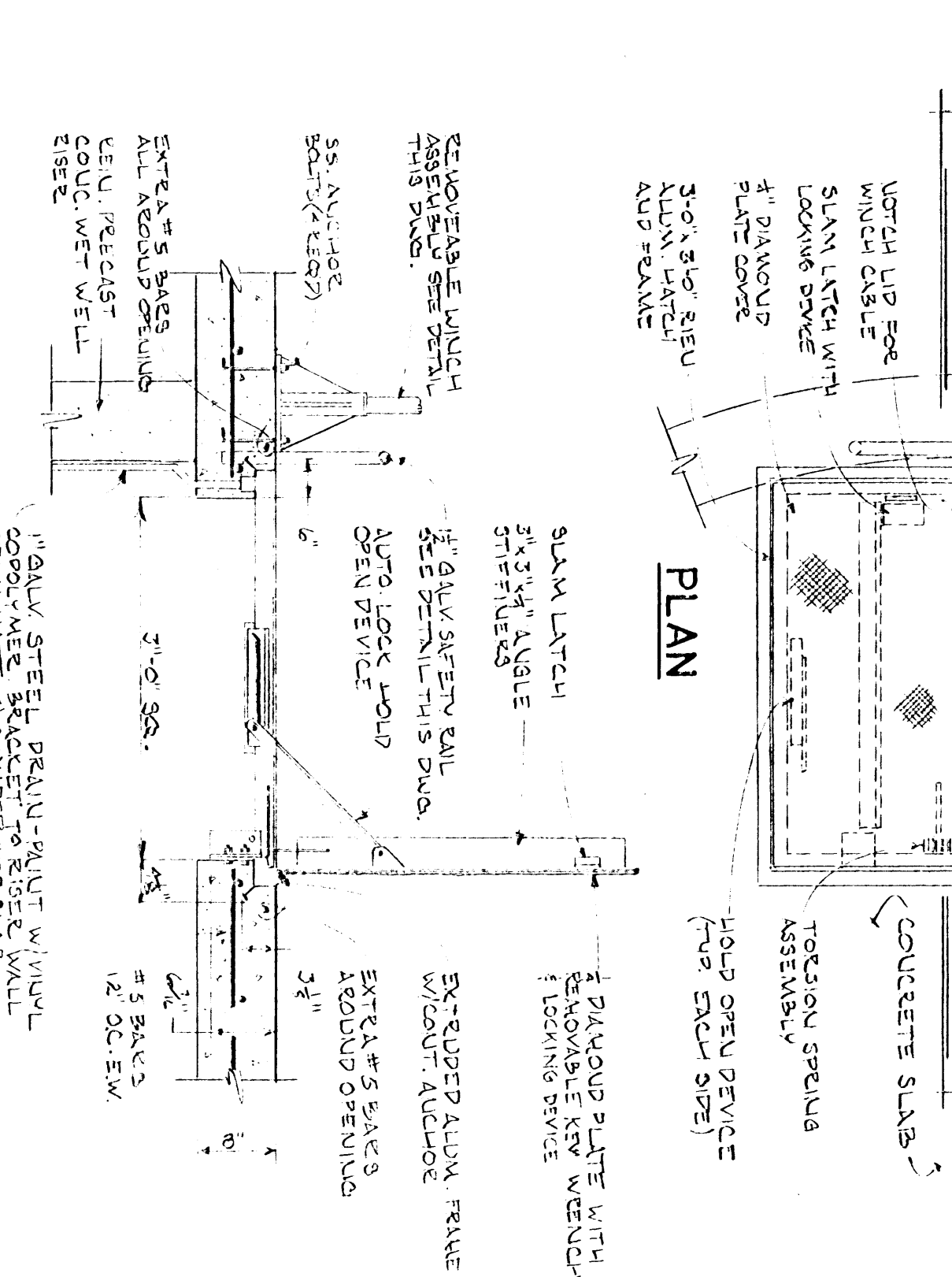
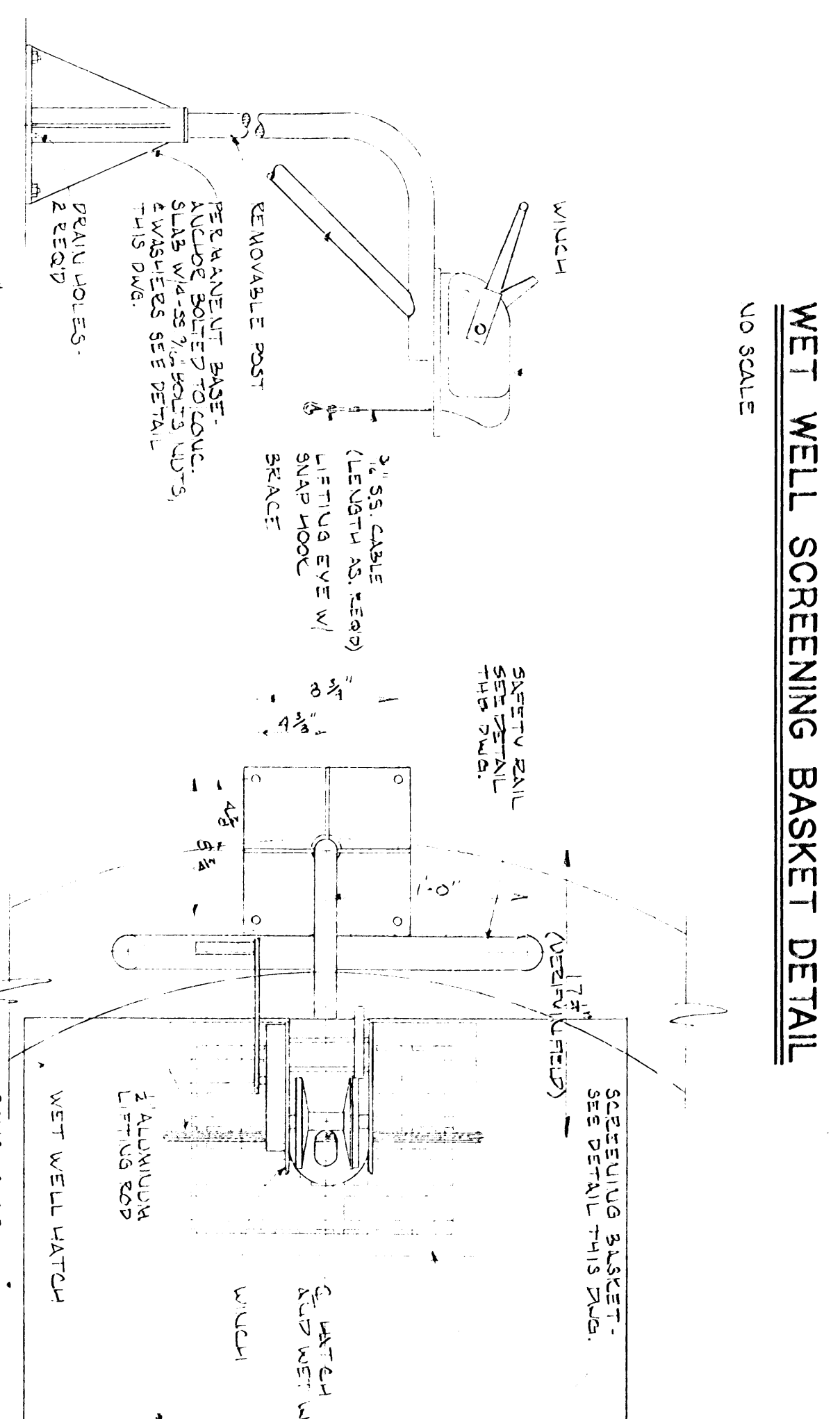
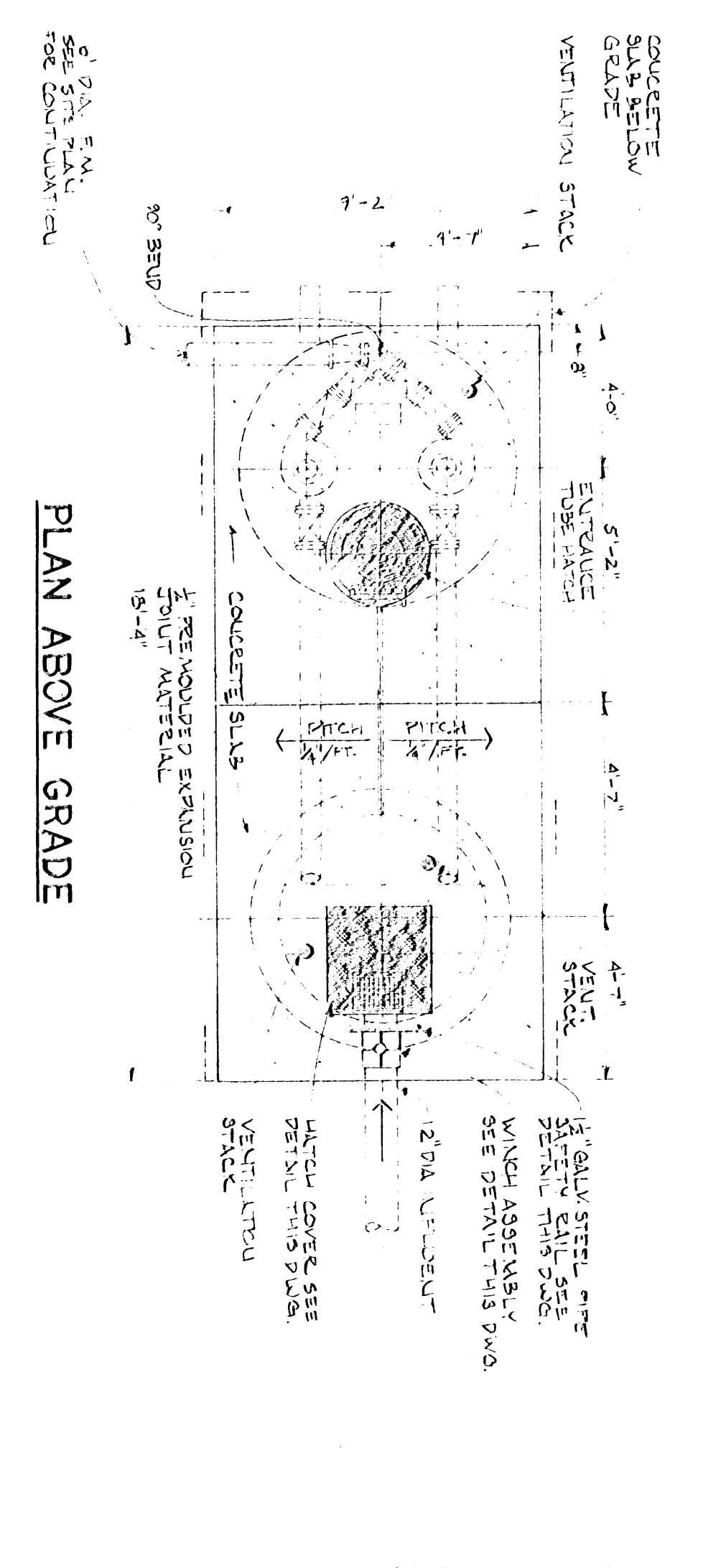
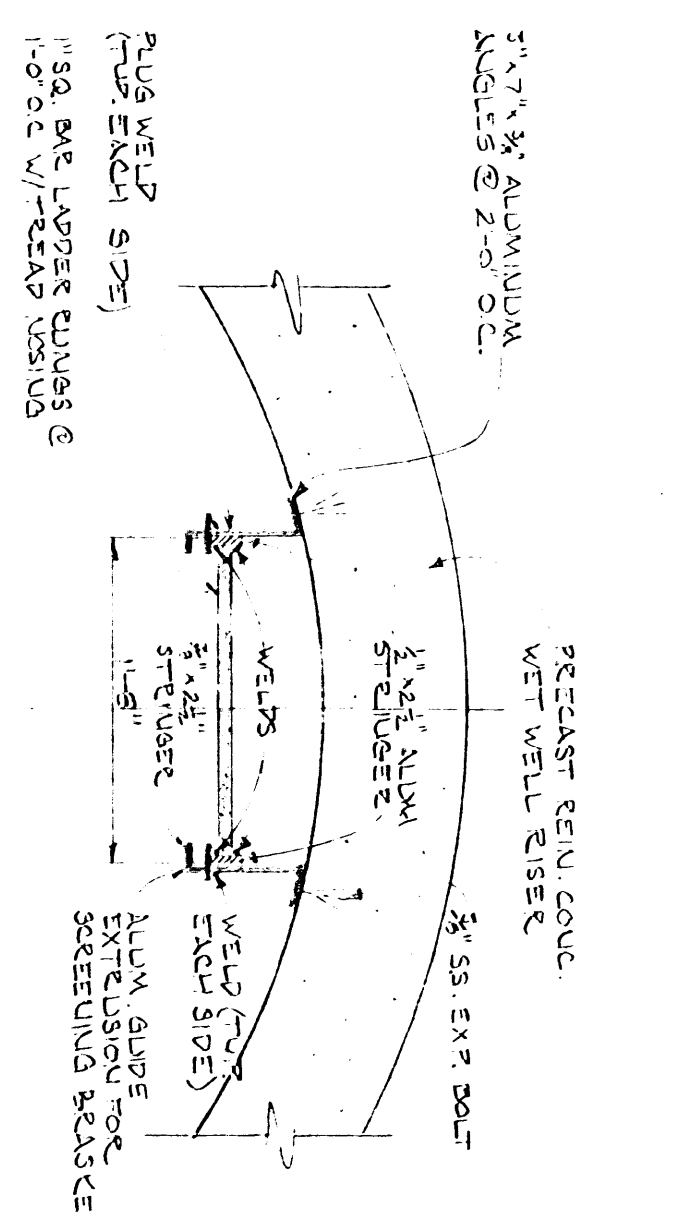
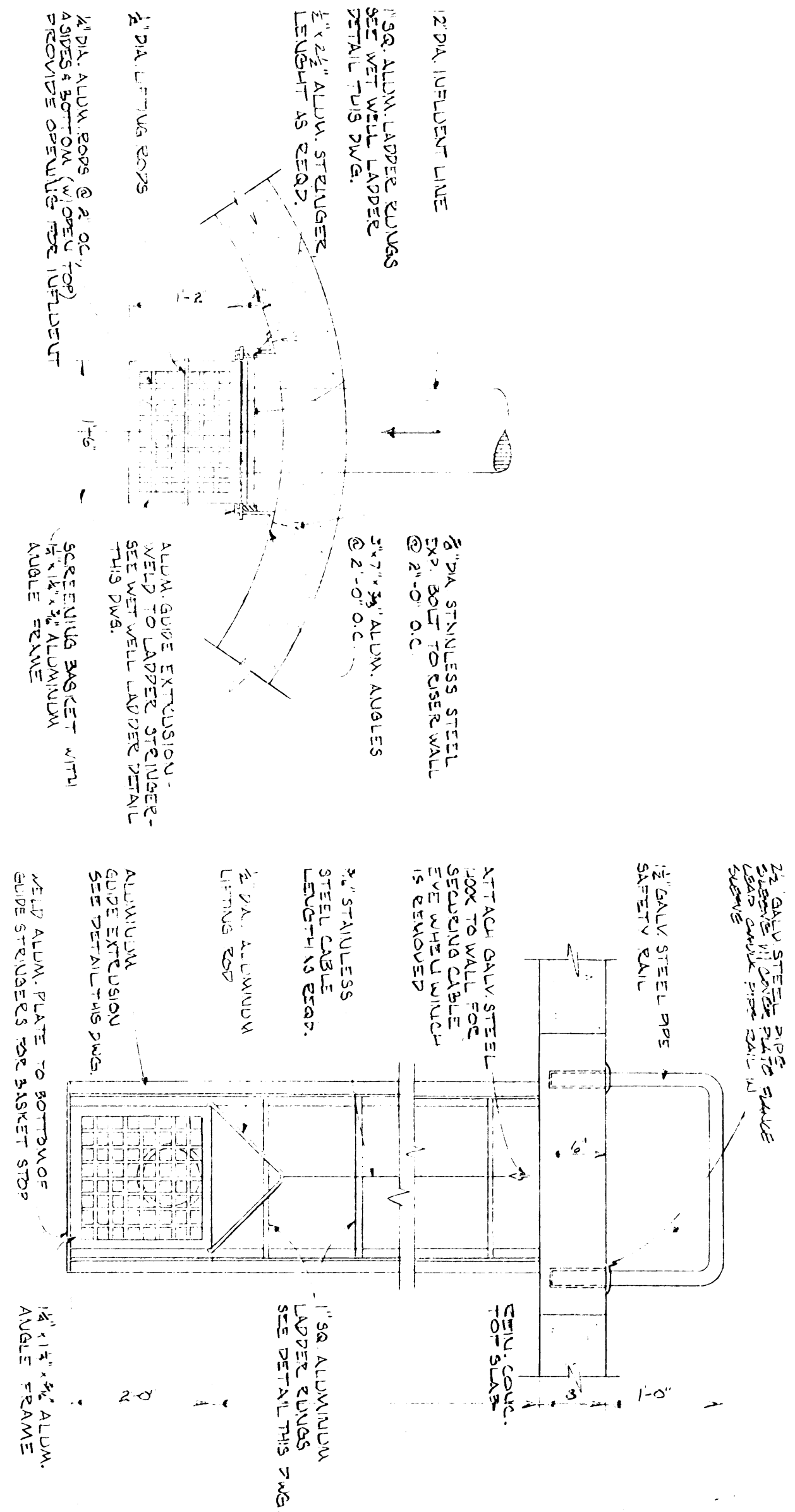


SEWAGE PUMPING STATION SITE PLAN & DETAILS EDGEWATER ACRES

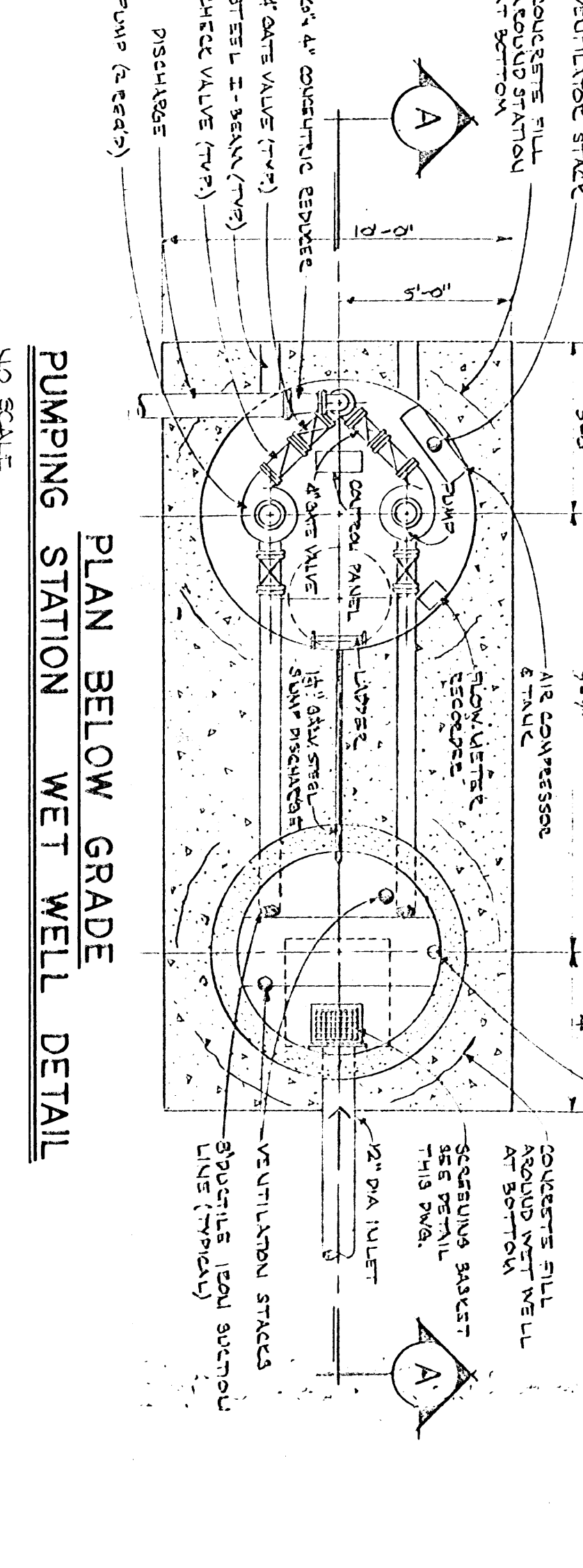
IS
& A LOEWENSTEIN, SOULÉ & ASSOCIATES, INC.

ENGINEERING - SURVEYING - PLANNING
HICKORY STREET - P.O. BOX 5 - FRANKFORD, DEL. 19945 - (302) - 732-9595

REVISED: JULY 1985



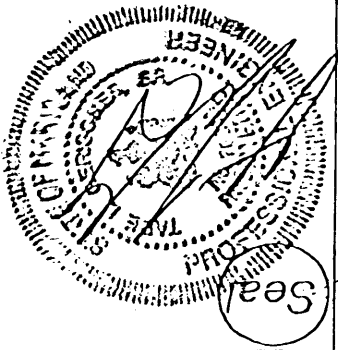
NOTE:
VENTILATING BLINDS SHALL HAVE MIN. 1/4\"/>



Sheet
6/6

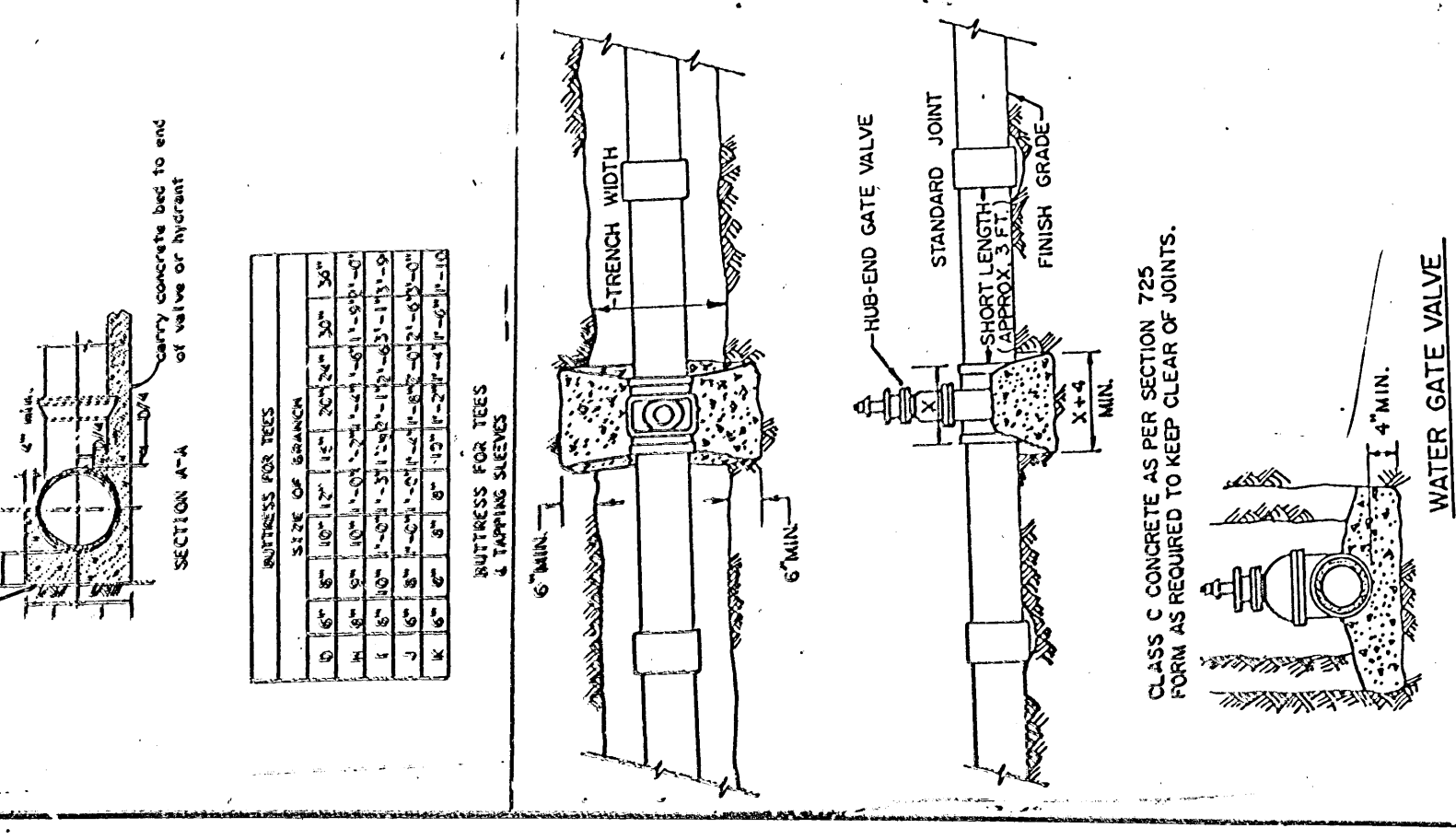
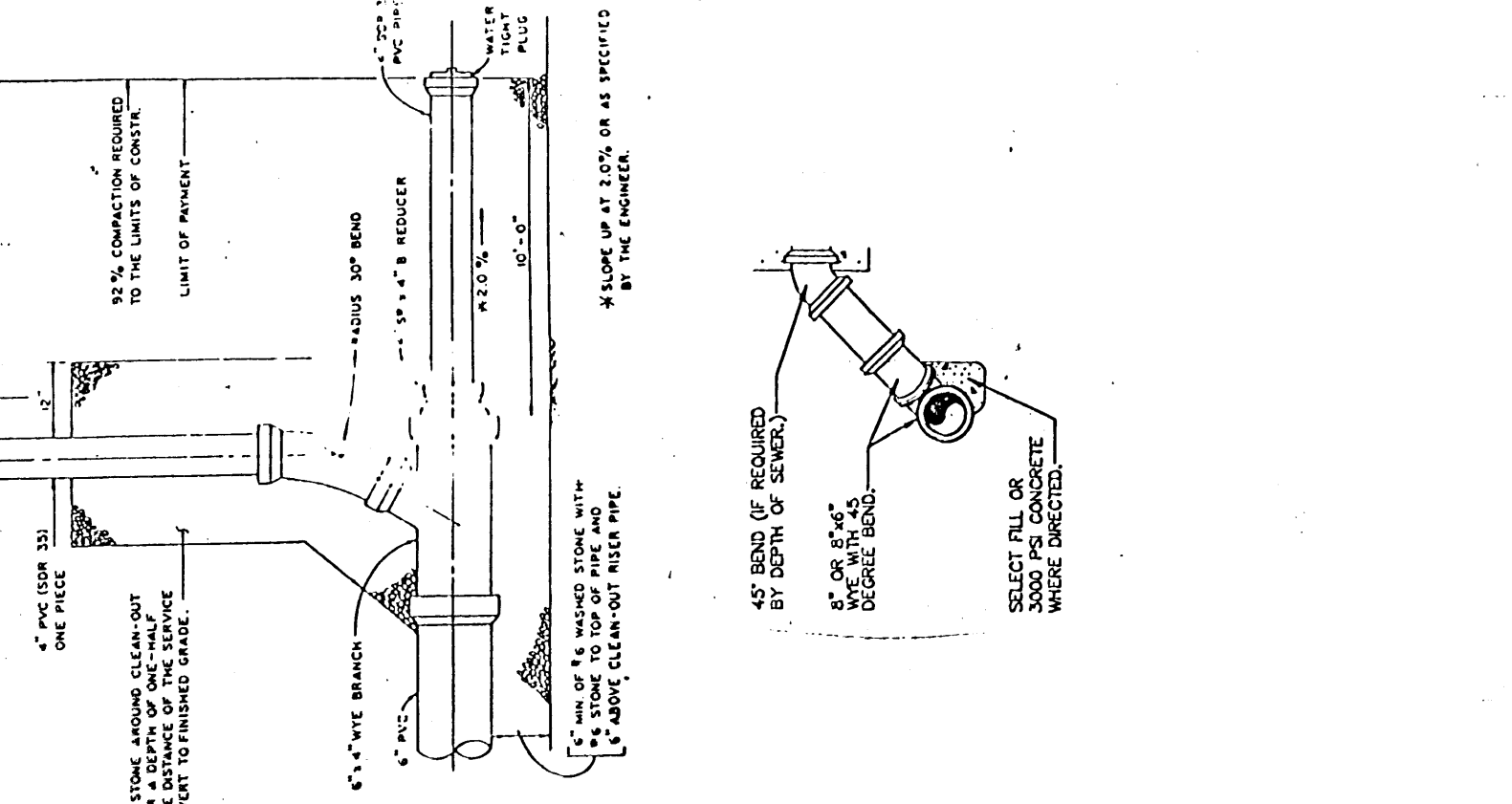
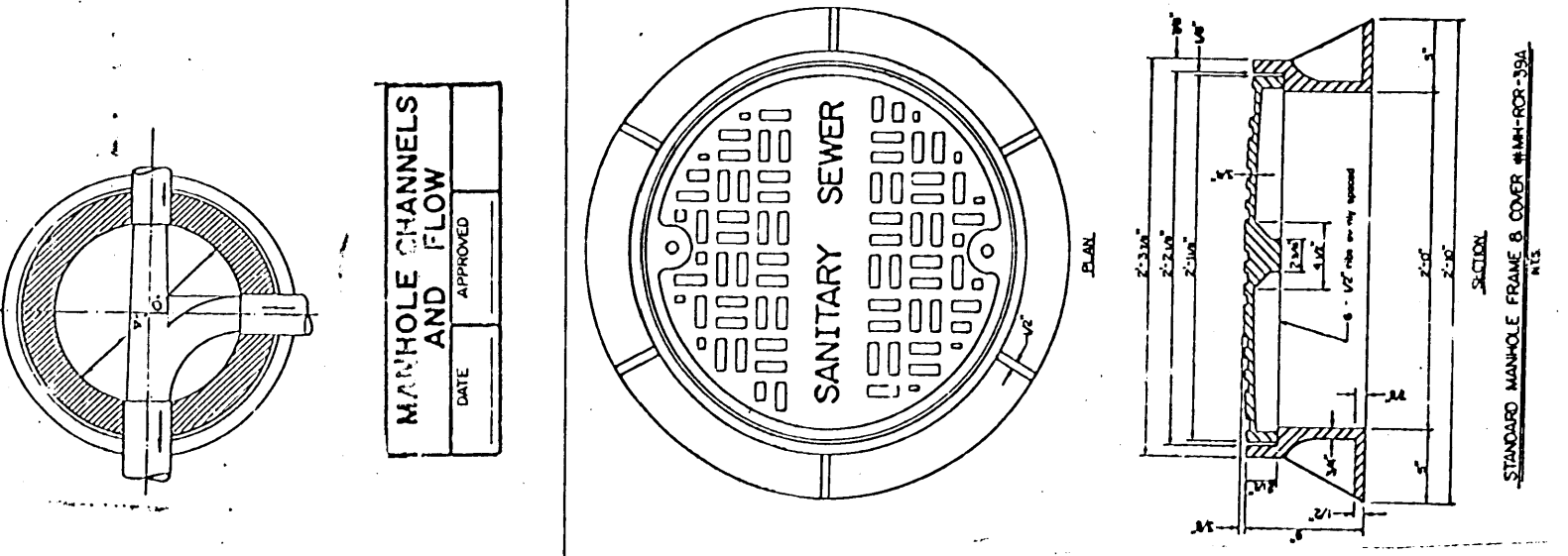
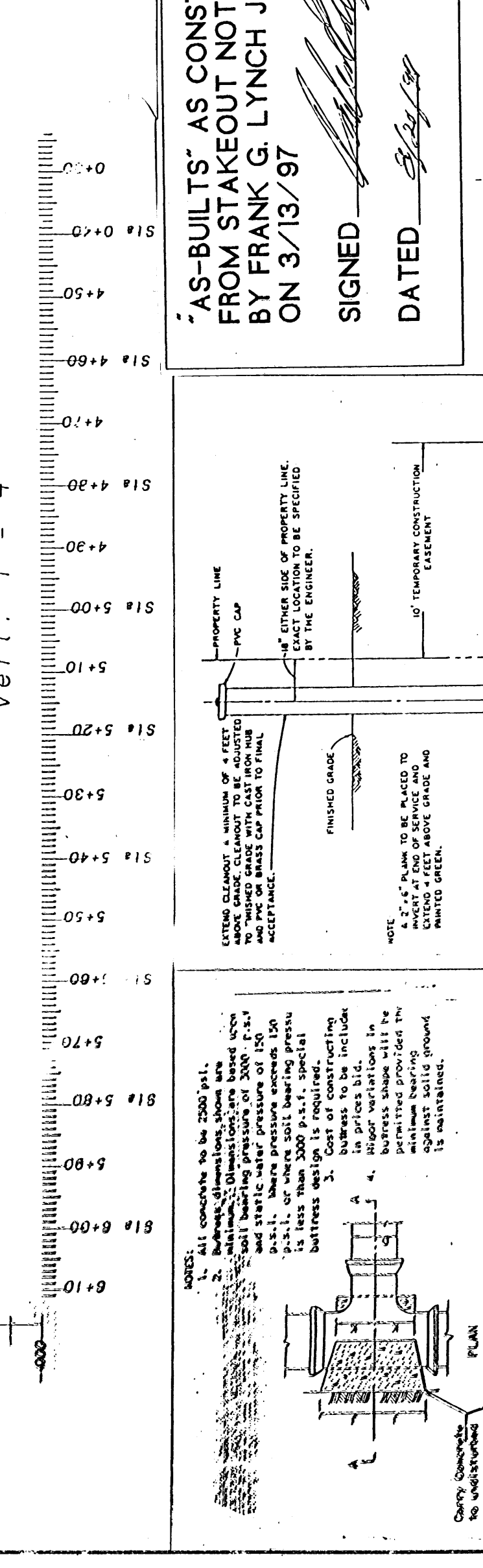
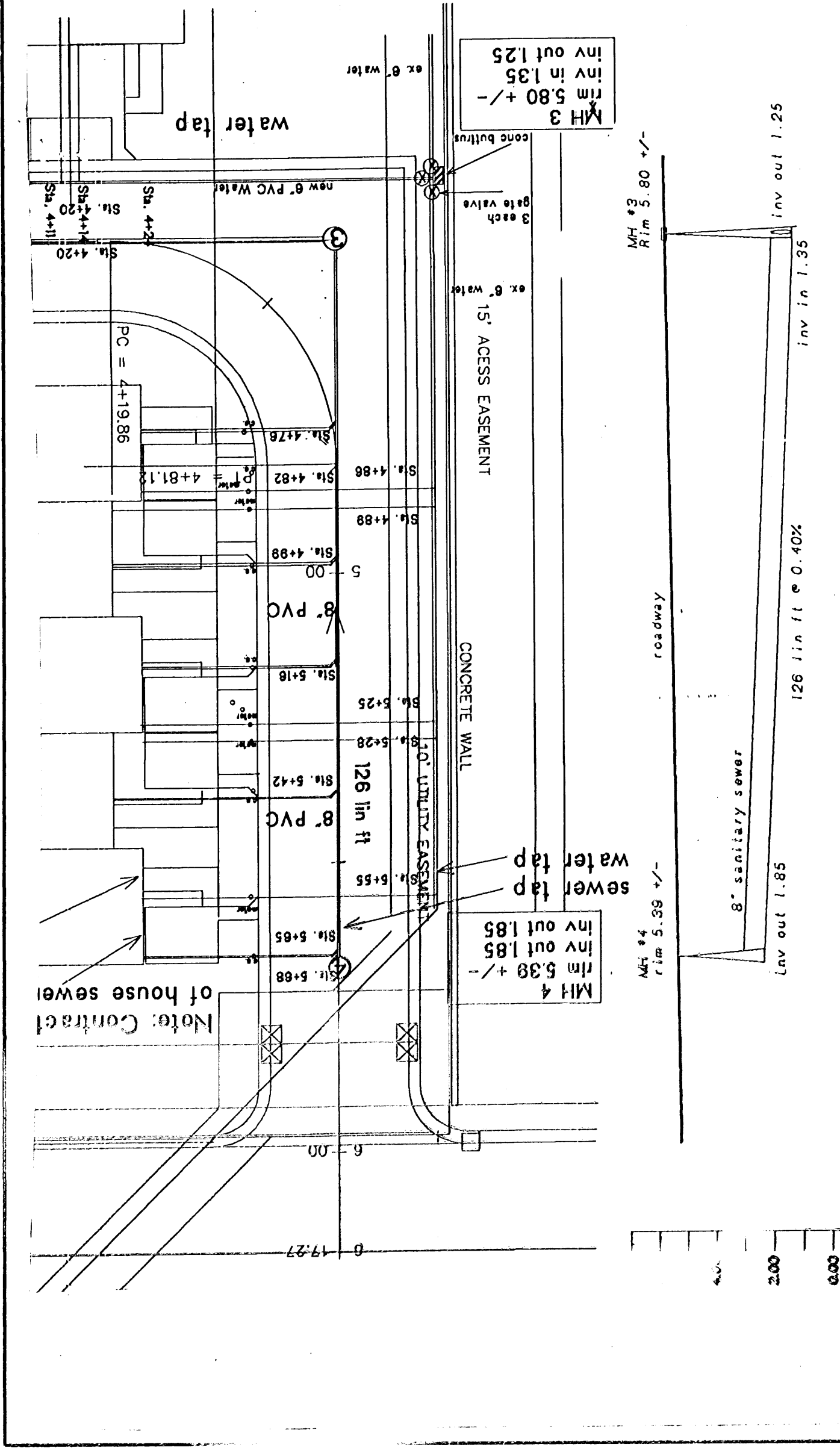
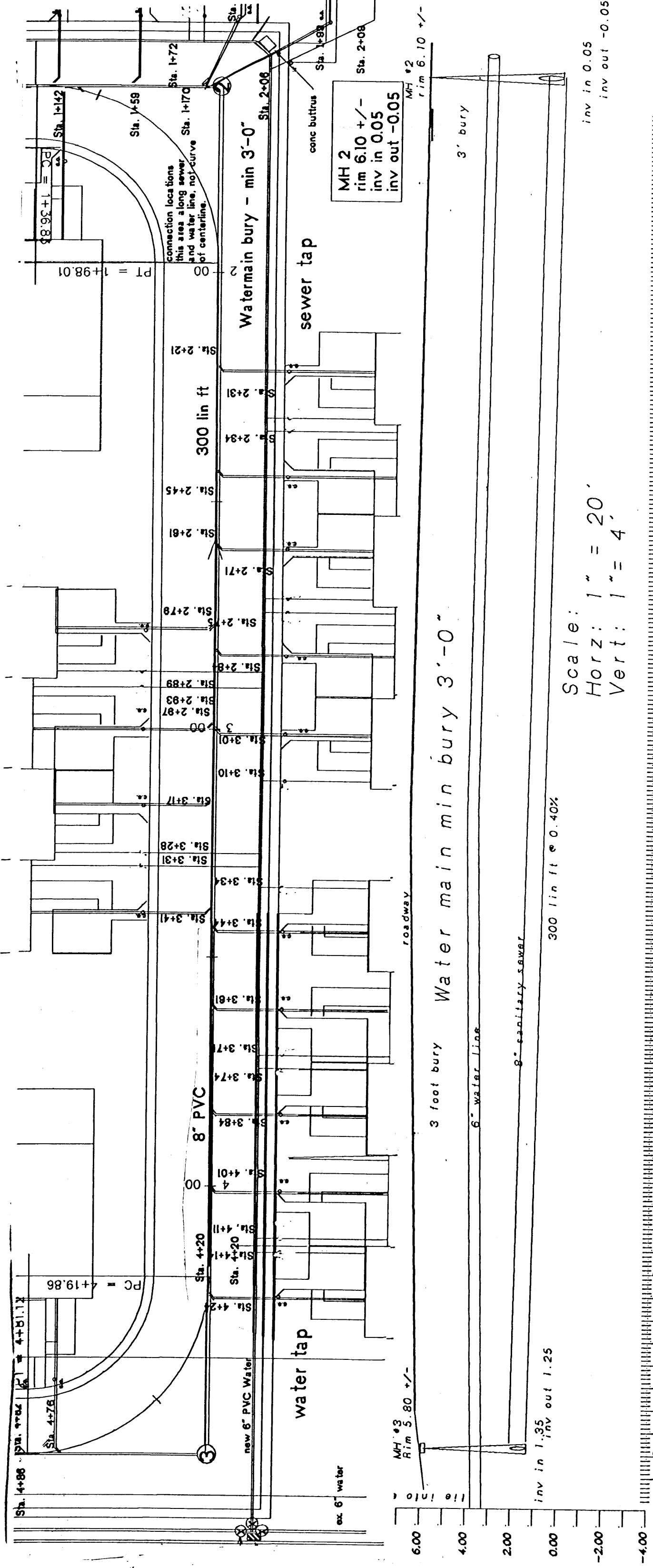
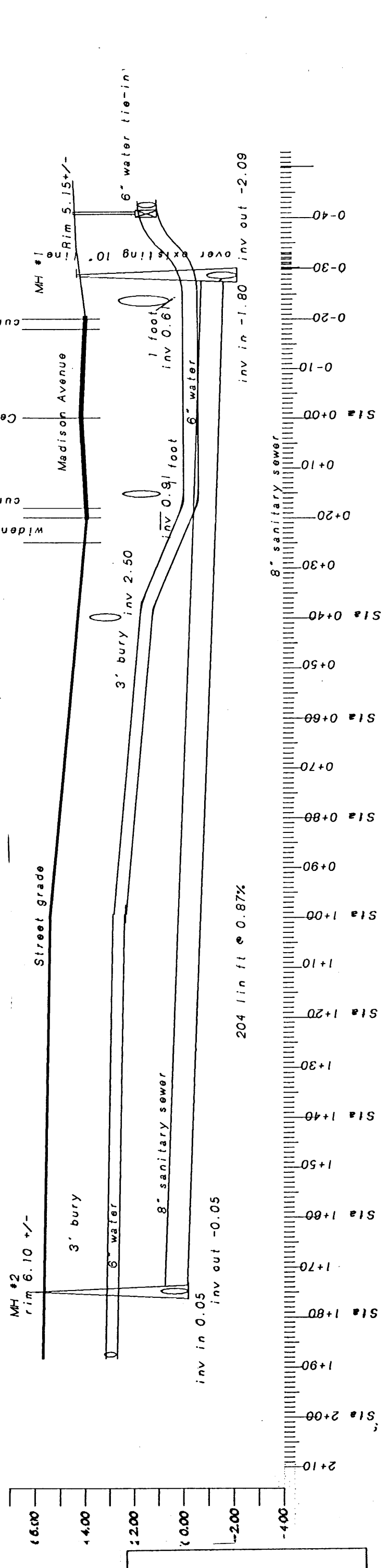
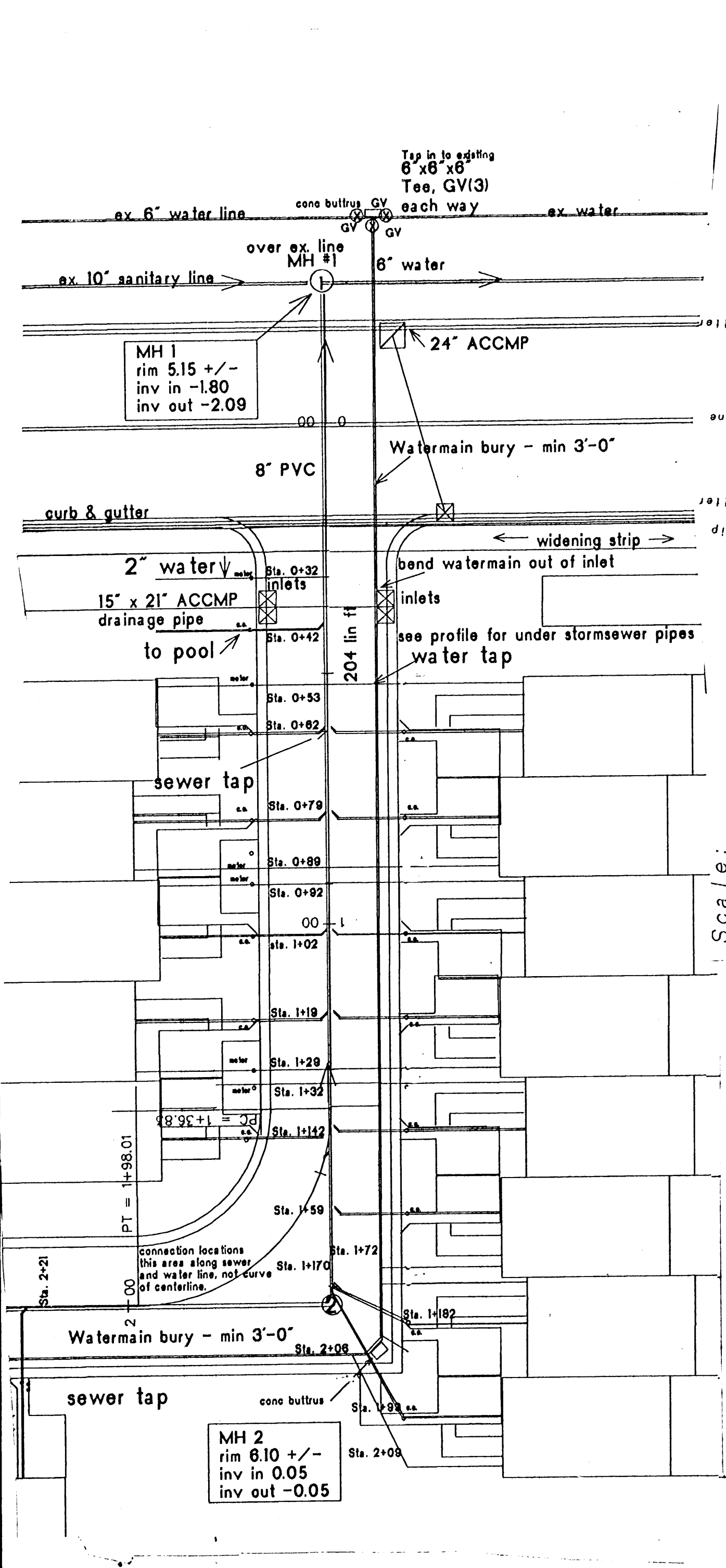
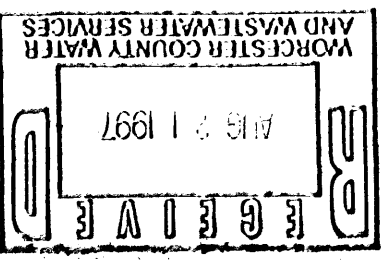
Revisions
Adj sewer & water lines under
stormwater pipes 10/23/96
10/23/97 - revised depths and
elevations of manholes and
pipes.

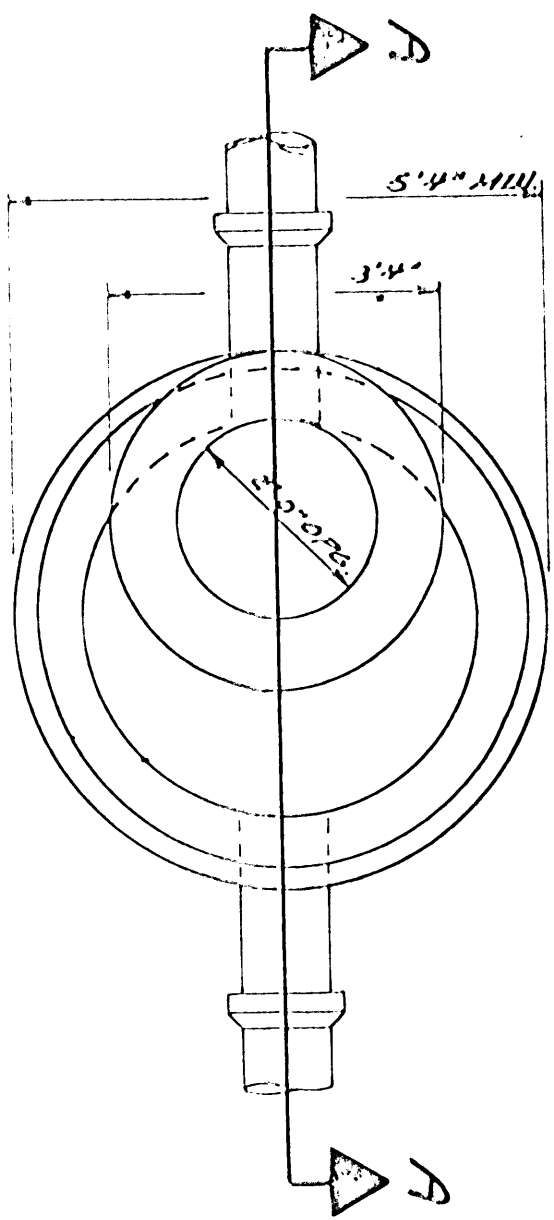
Drawing Name
EdgeOdc5
Date
10/01/96
Scale 1" = 20'



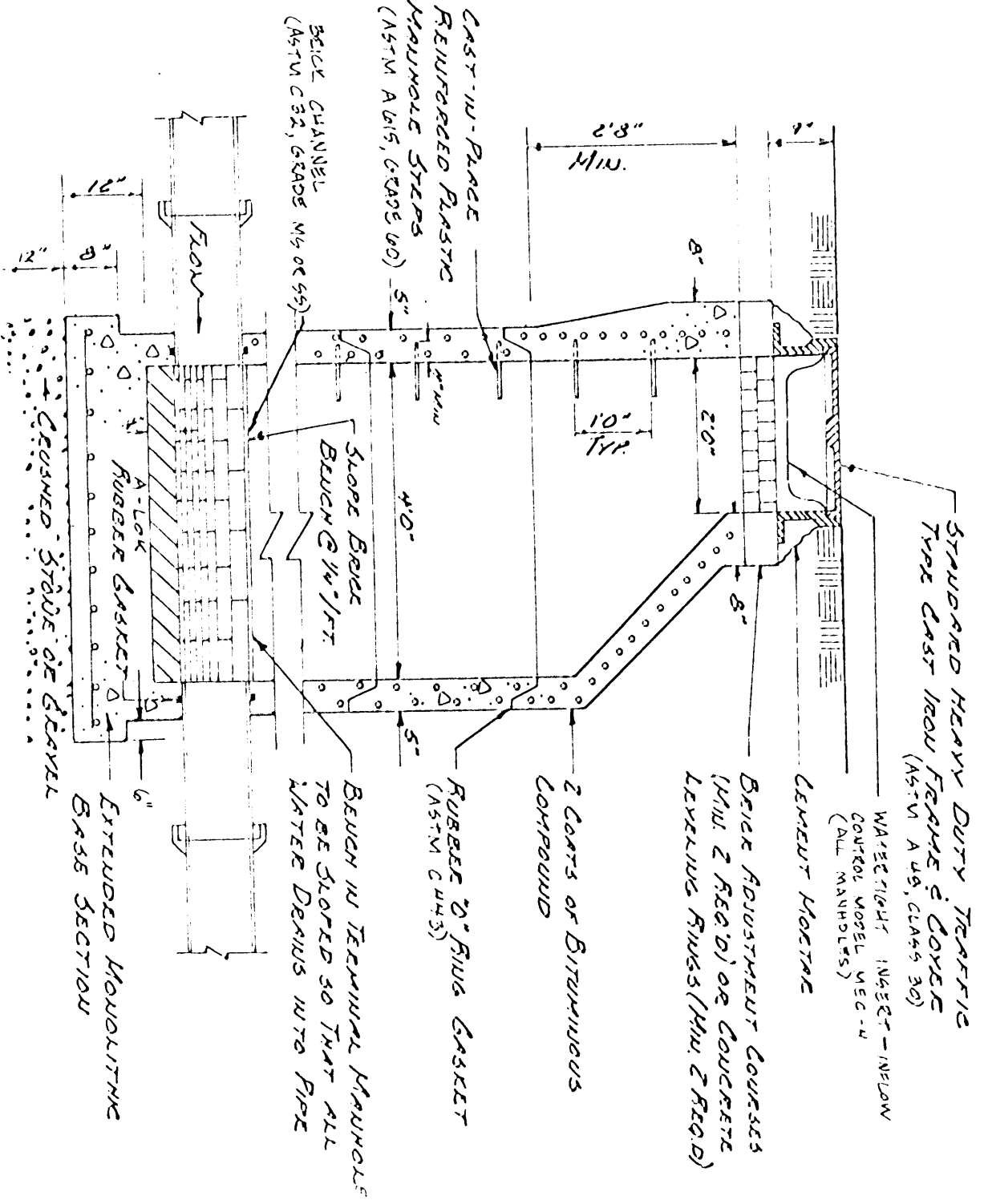
SEWER/WATER PROFILES

Edgewater Acres
311 Oakley Street
Cambridge, MD 21613
Voice: 1-410-226-8233
E-Mail: tad@shoreintercom.net
FAX: 1-410-228-1283

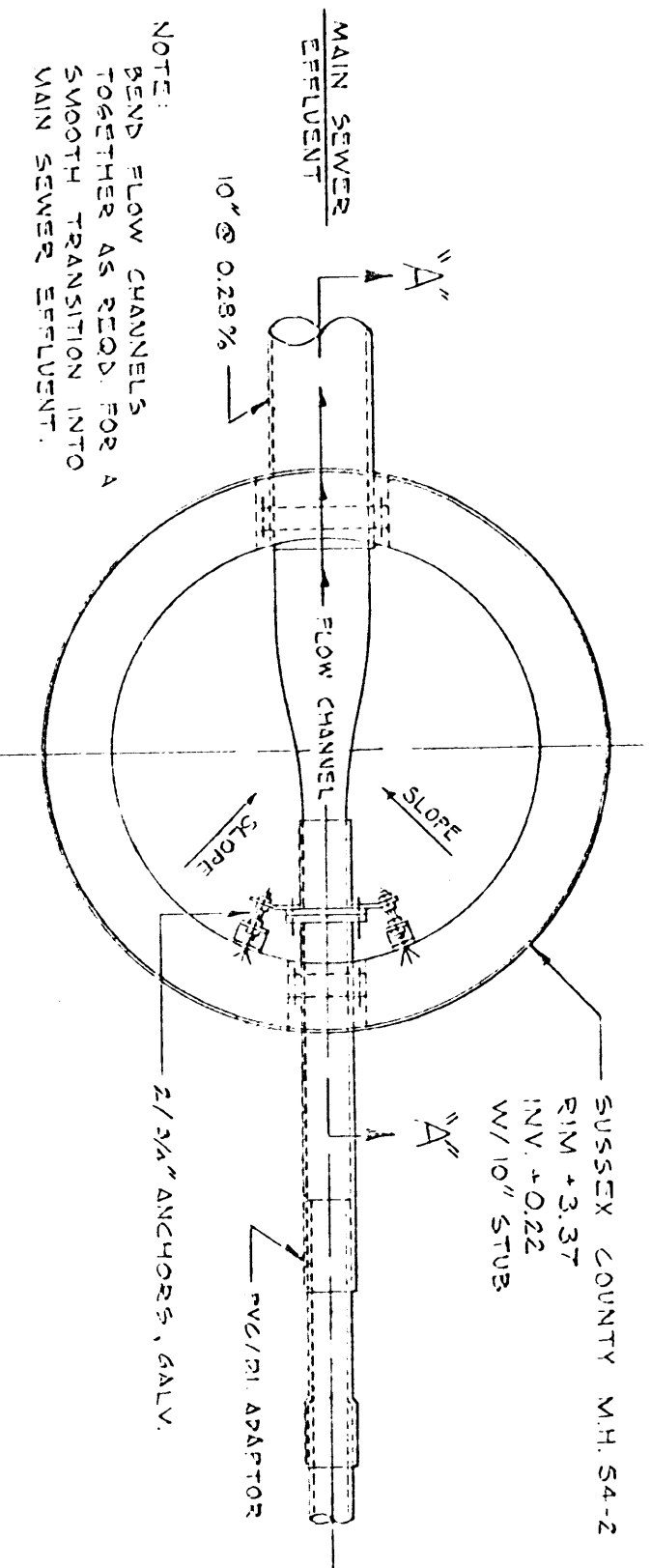




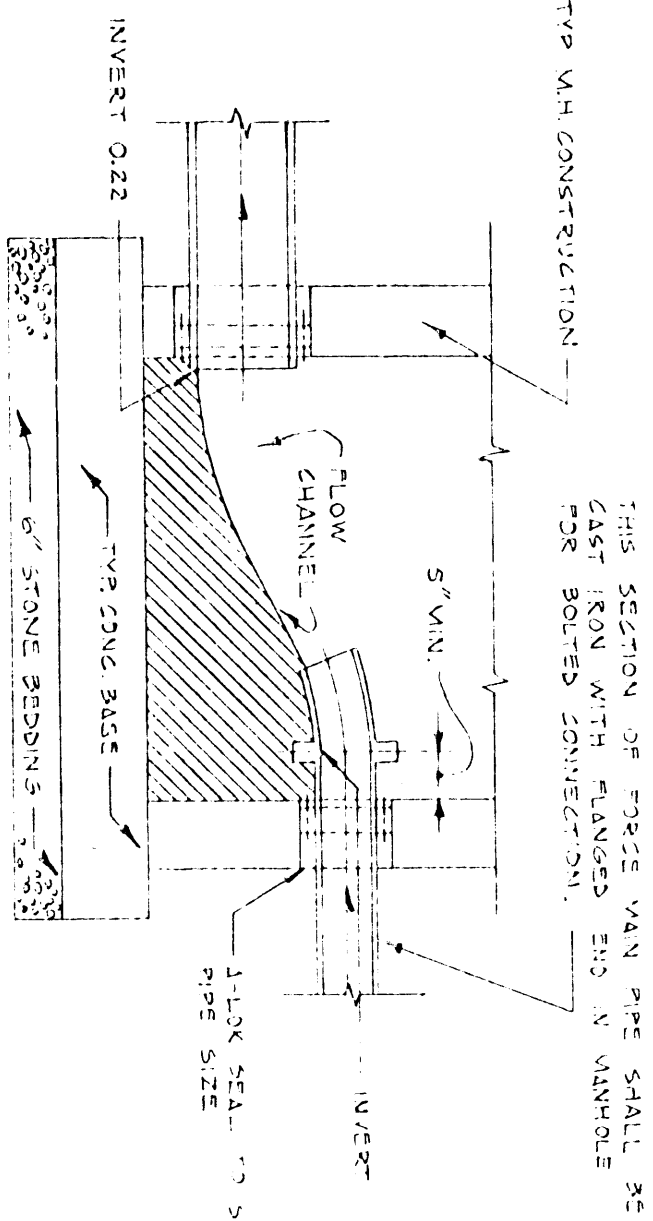
PLAN



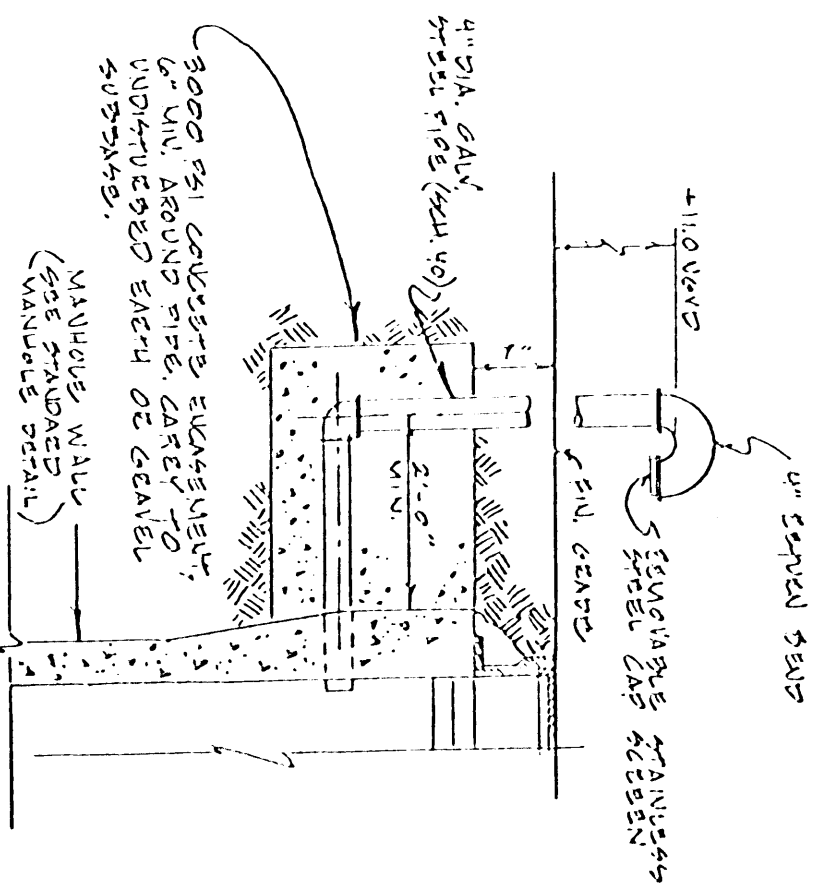
SECTION A-A
STANDARD PRECAST MANHOLE



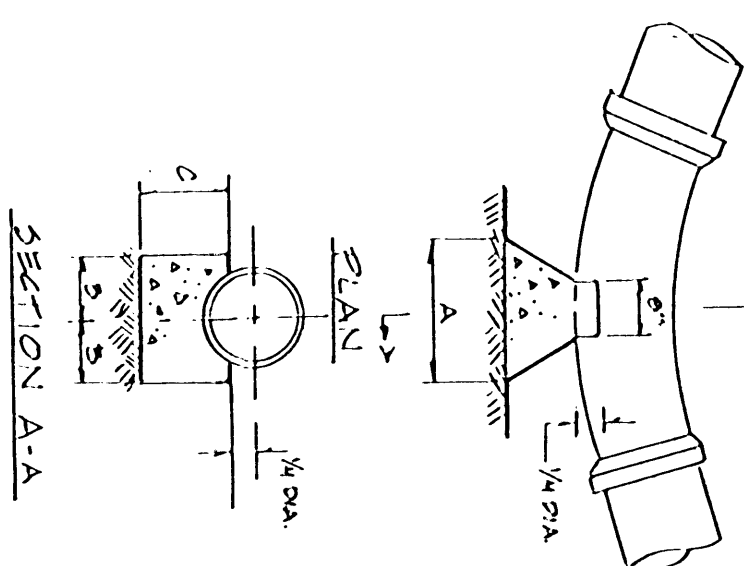
FORCE MAIN TO MANHOLE CONNECTION
NO SCALE



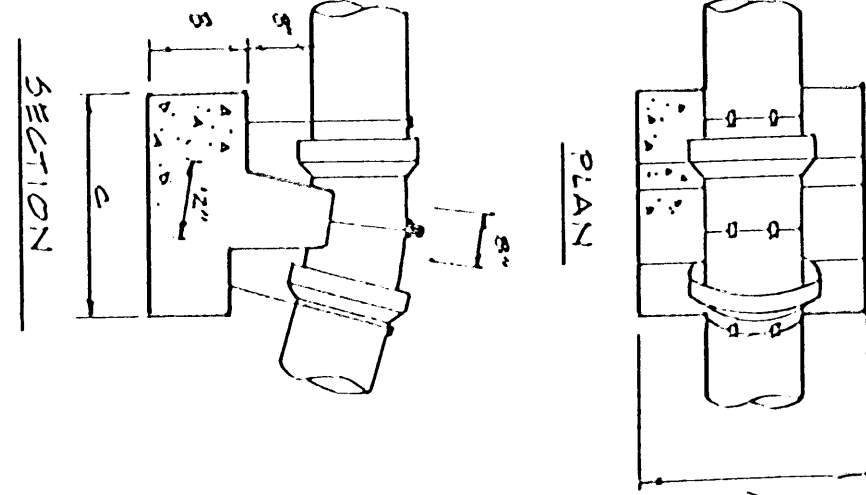
SECTION A-A
NO SCALE



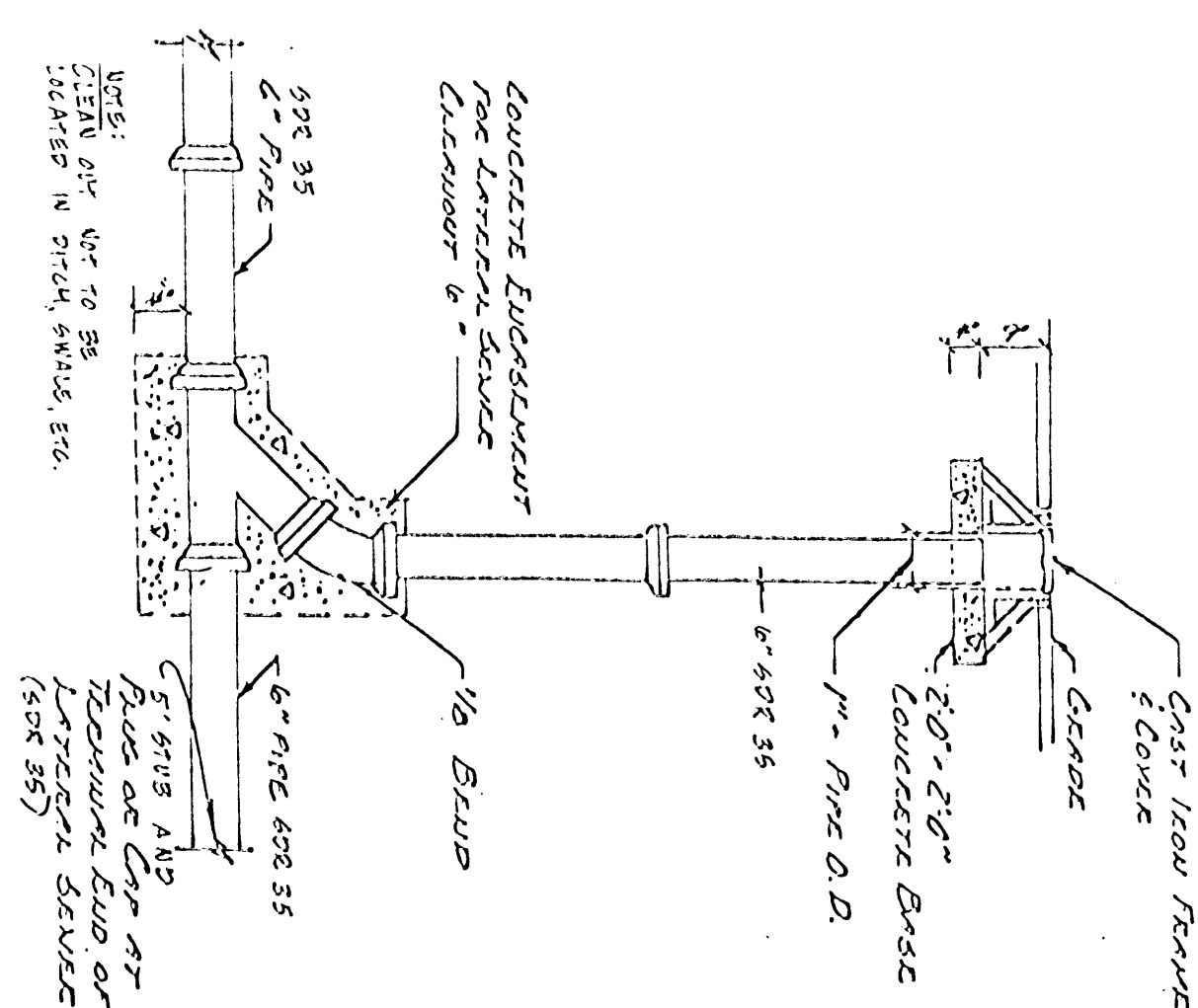
MANHOLE VENT
NOT TO SCALE



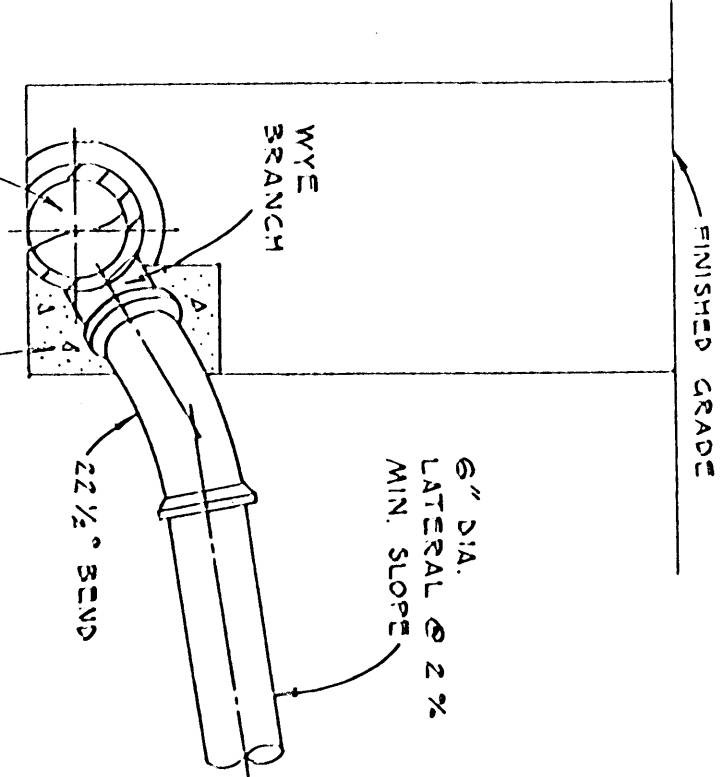
SECTION A-A	10\"/>
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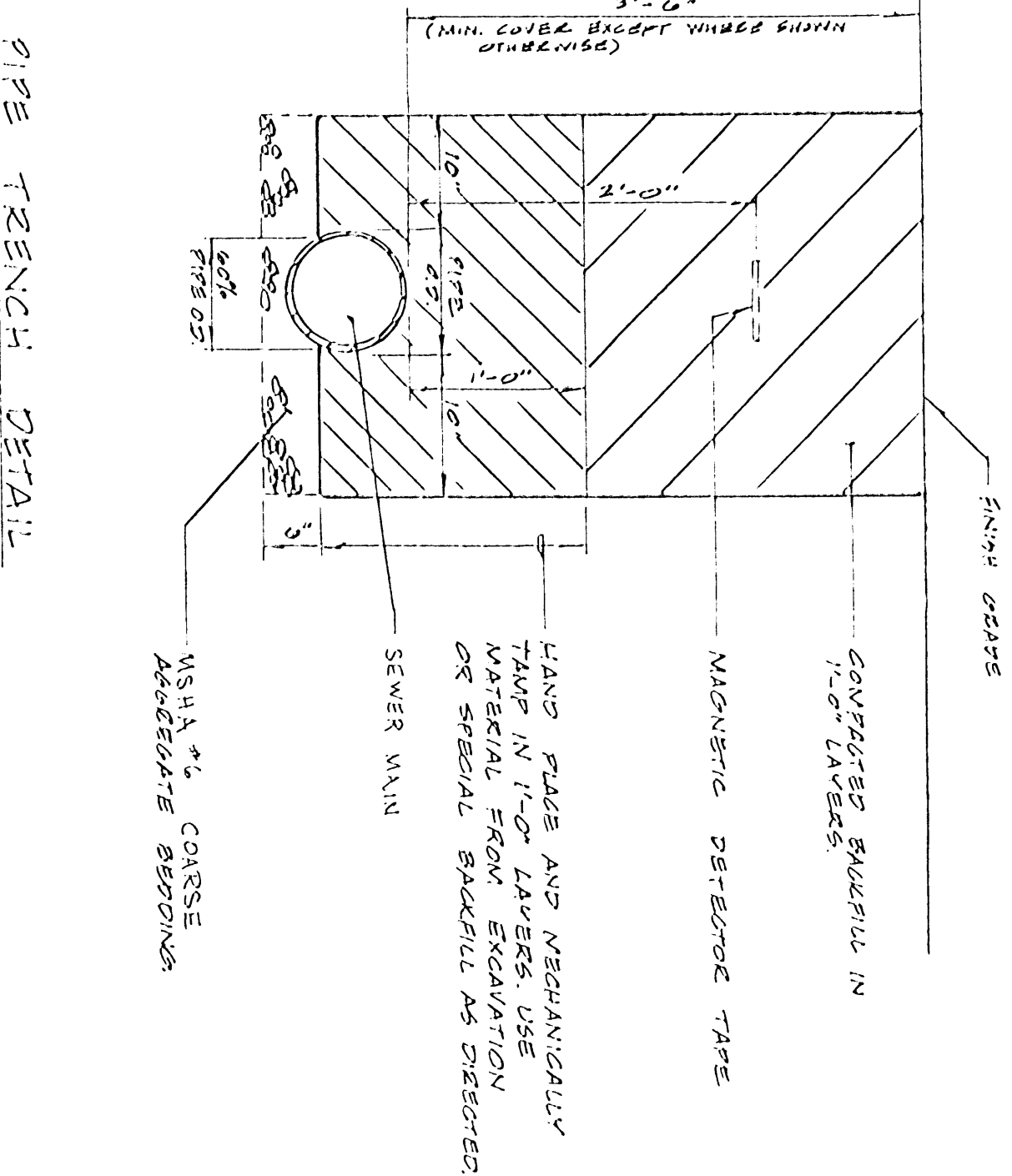
SECTION B-B	10\"/>
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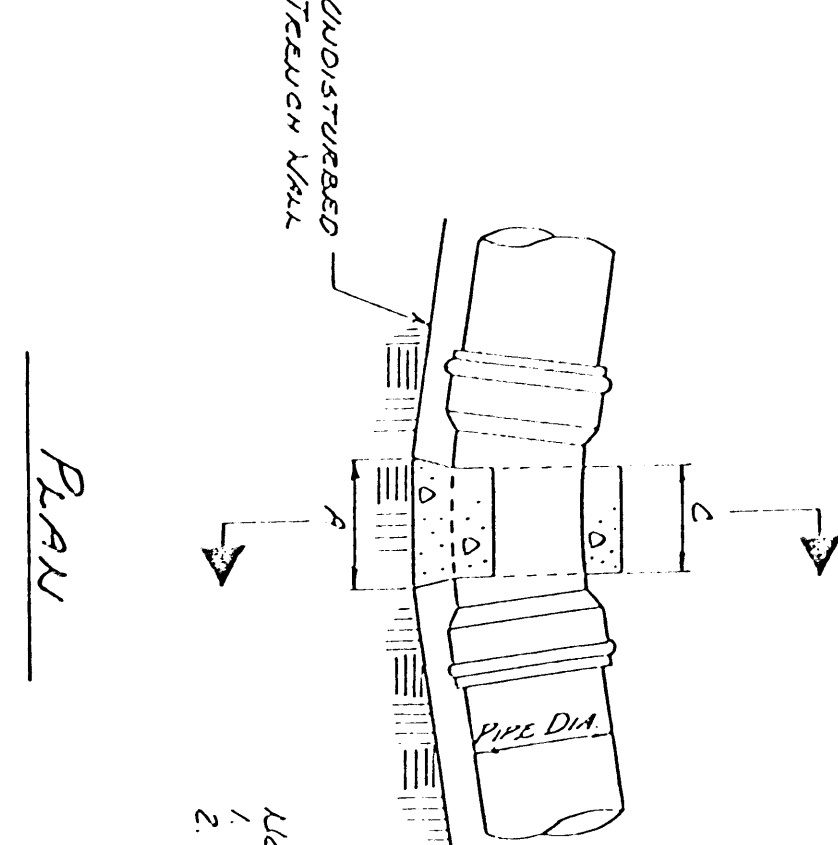
LATERAL SEWER CLEAN OUT
NO SCALE



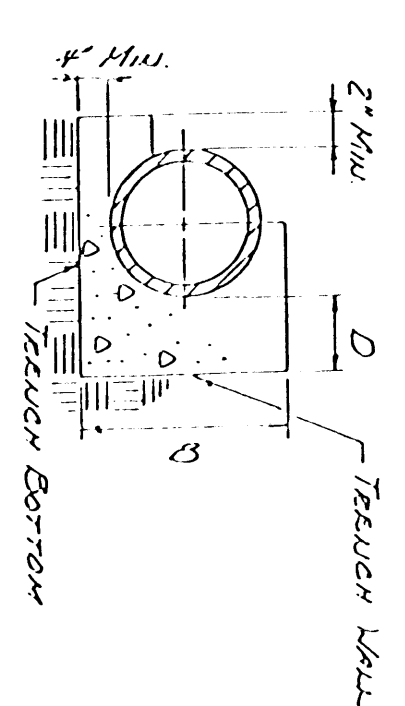
SERVICE LATERAL CONNECTION
NO SCALE



PIPE TRENCH DETAIL
NO SCALE



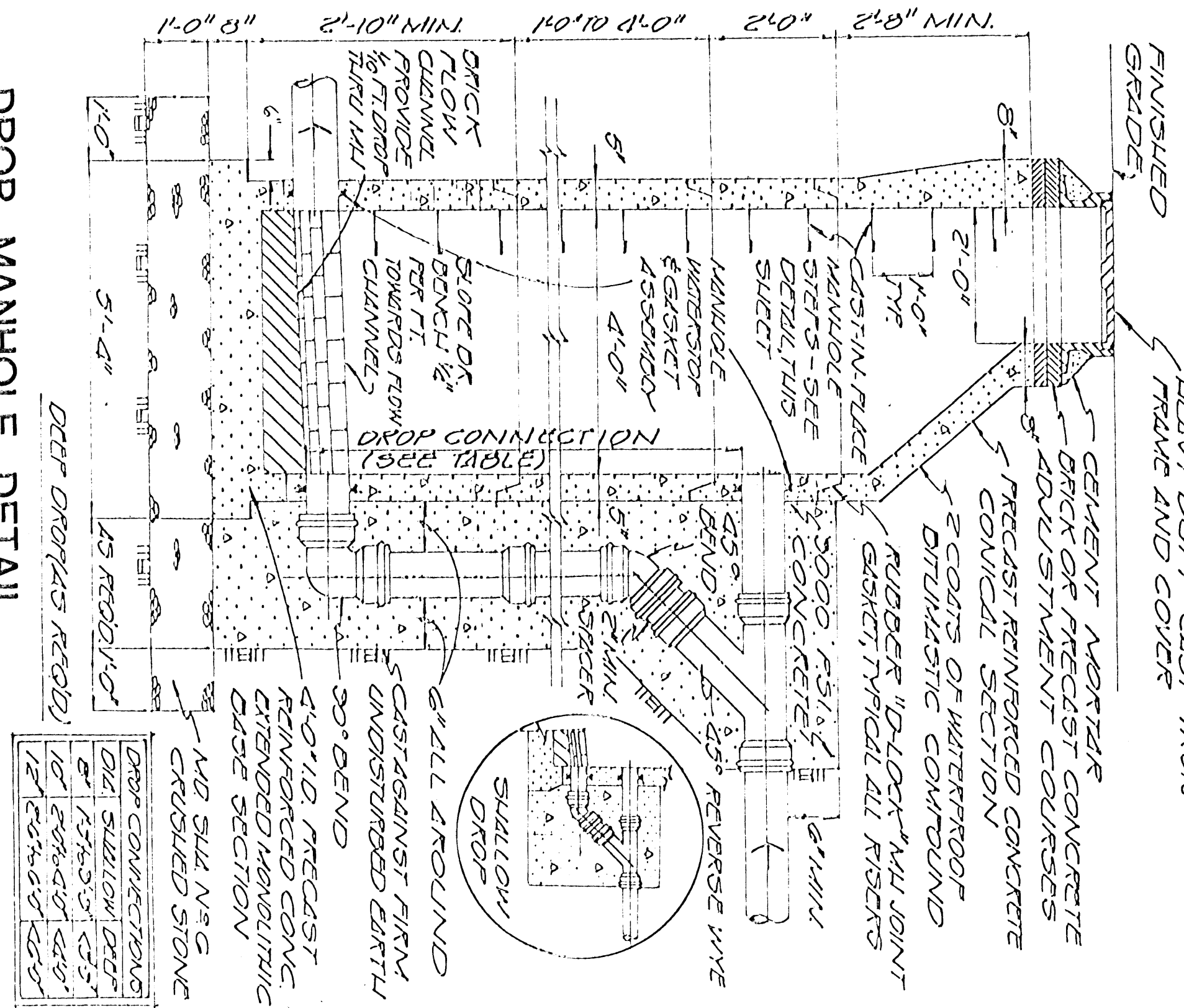
PLAN



SECTION

DIMENSION SCHEDULE *																
BLVD	11 1/4"				22 1/2"				45°				90°			
Phase	4"	5"	10"	12"	4"	5"	10"	12"	4"	5"	10"	12"	4"	5"	10"	12"
A	0.4"	0.2"	0.8"	0.9"	1.0"	0.4"	0.8"	1.0"	1.3"	1.4"	0.9"	1.0"	1.6"	2.0"	2.6"	3.0"
5	1.0"	1.2"	1.4"	1.6"	1.8"	1.0"	1.2"	1.4"	1.6"	1.8"	1.0"	1.2"	1.6"	1.8"	2.6"	3.0"
C	0.4"	0.2"	0.8"	0.9"	1.0"	0.4"	0.8"	1.0"	1.3"	1.4"	0.9"	1.0"	1.6"	2.0"	2.6"	3.0"
ALL DIMENSIONS REFLECT TO AVERAGE	0.2"	0.1"	0.5"	0.6"	0.7"	0.8"	0.4"	0.6"	0.7"	0.8"	0.2"	0.3"	0.4"	0.5"	0.8"	1.0"

CONCRETE BUTTRESSES FOR HORIZONTAL BENDS



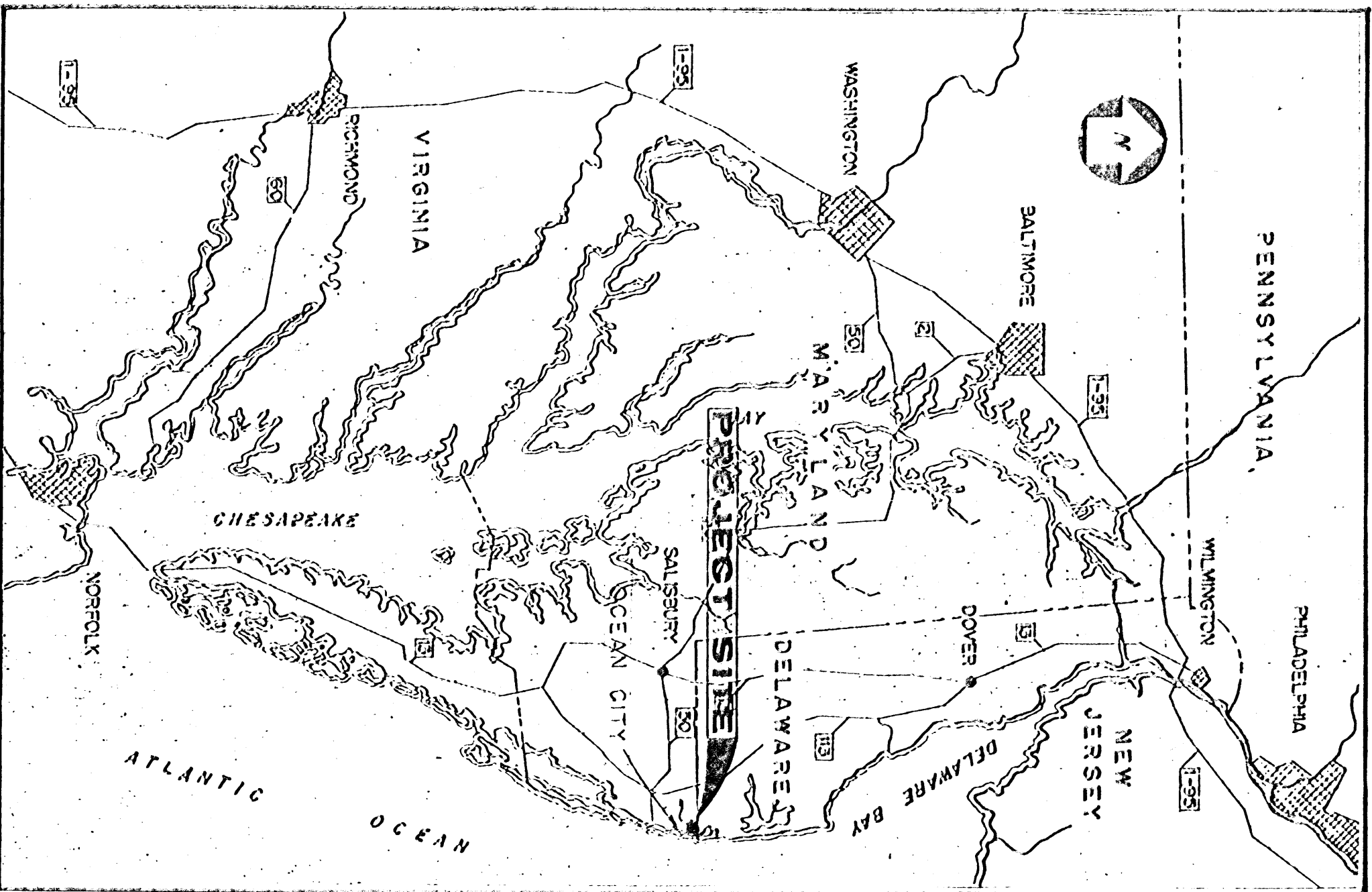
DROP MANHOLE DETAIL
NO SCALE

SEWER DETAILS EDGEWATER ACRES

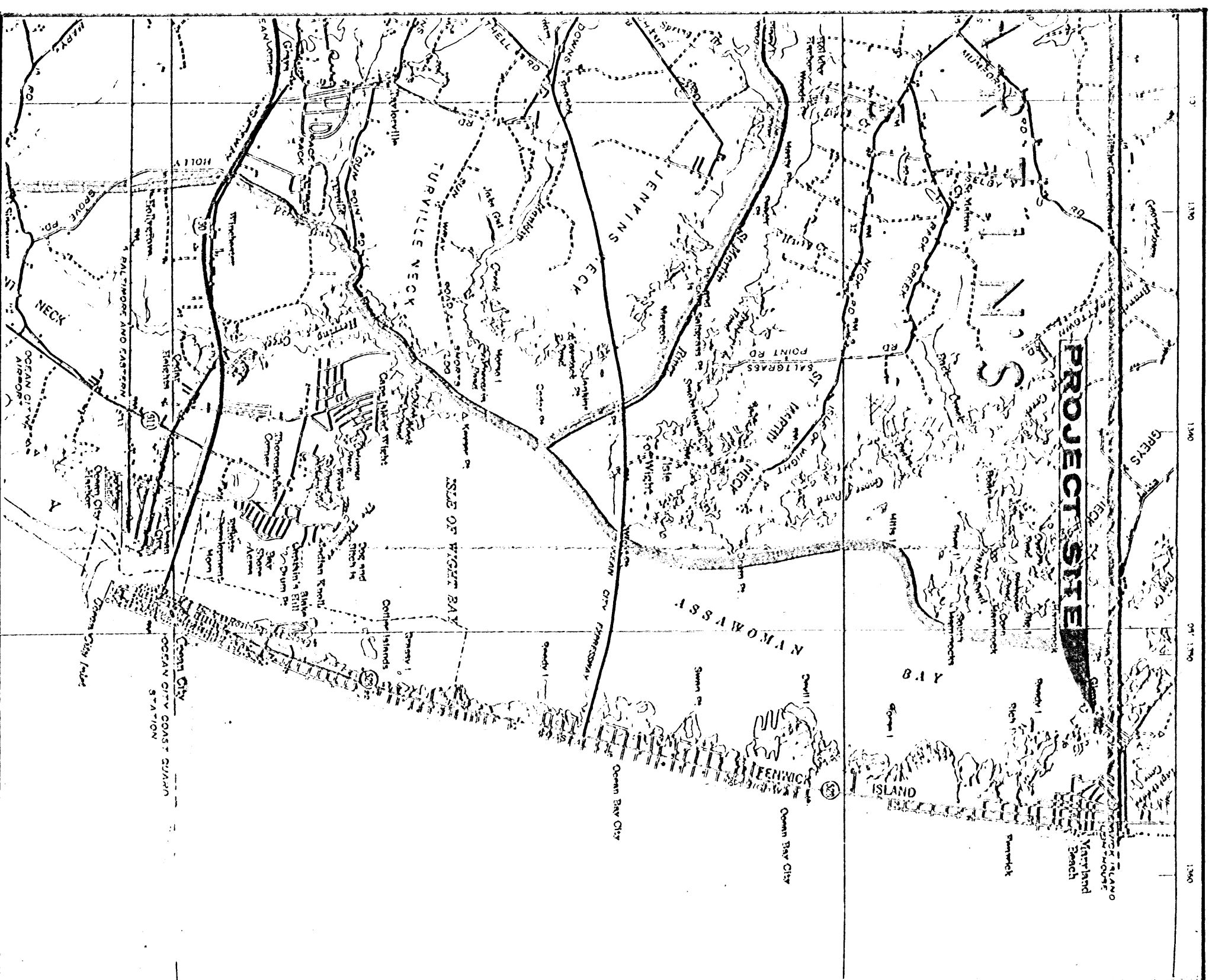
IS
E.A. LOEWENSTEIN, SOULÉ & ASSOCIATES, INC.
ENGINEERING - SURVEYING - PLANNING
HICKORY STREET - P.O. BOX 5 - FRANKFORD, DEL. 19345 - (302) 732-9595

EDGEWATER ACRES WASTEWATER COLLECTION SYSTEM FOR THE WORCESTER COUNTY SANITARY DISTRICT

NOVEMBER, 1984



VICINITY MAP
1-24 MILES



LOCATION MAP
1-1 MILE

PROJECT NO 83-247

LOEWENSTEIN, SOULÉ & ASSOCIATES, INC.

ENGINEERS - SURVEYORS

FRANKFORD, DE - SALISBURY, MD

LIST OF DRAWINGS	
	TITLE SHEET
T-1	SEWER PLANS
1-2	SEWER PROFILES
G-4	SEWER DETAILS
S	PS PLANS, SECTIONS & DETAILS
6	PS SITE PLAN & DETAILS
7	PS MECHANICAL & ELECTRICAL
G-9	

DEVELOPMENT	DESIGN CRITERIA
Edgewater Acres Area = 25.1 acres Planned Units = 395	PUMPING STATION Force Main = 6" PVC Total Equivalent Length of Force Main = 510 ft. Static Head = 15 ft. Friction & Misc. Head Losses = 10 ft. Pumps: Duplex @ 150 GPM ea. w/8" Dia. Impellers Motor: 30 HP @ 1782 RPM Water Level @ 1782 Force Main Velocity = 4.85 FPS Stand-By Power = 30 Kw Diesel Engine Emergency Generator
Nantuxet Point Area = 5.2 acres Planned Units = 55	
Other Adjacent Areas Area = 4 acres Planned Units = 35	
WASTEWATER FLOWS	
495 Total Units @ 300 GPD/Unit = 148,500 GPD Avg. 148,500 GPD @ 1000 X 4 (peak) = 419,000 Peak	

DIRECTOR
APPROVED
PERMIT # WPC 35114C
SEE PERMIT CONDITIONS

APPROVED

AUG 22 1985

SUSAN L. LOEWENSTEIN

By

