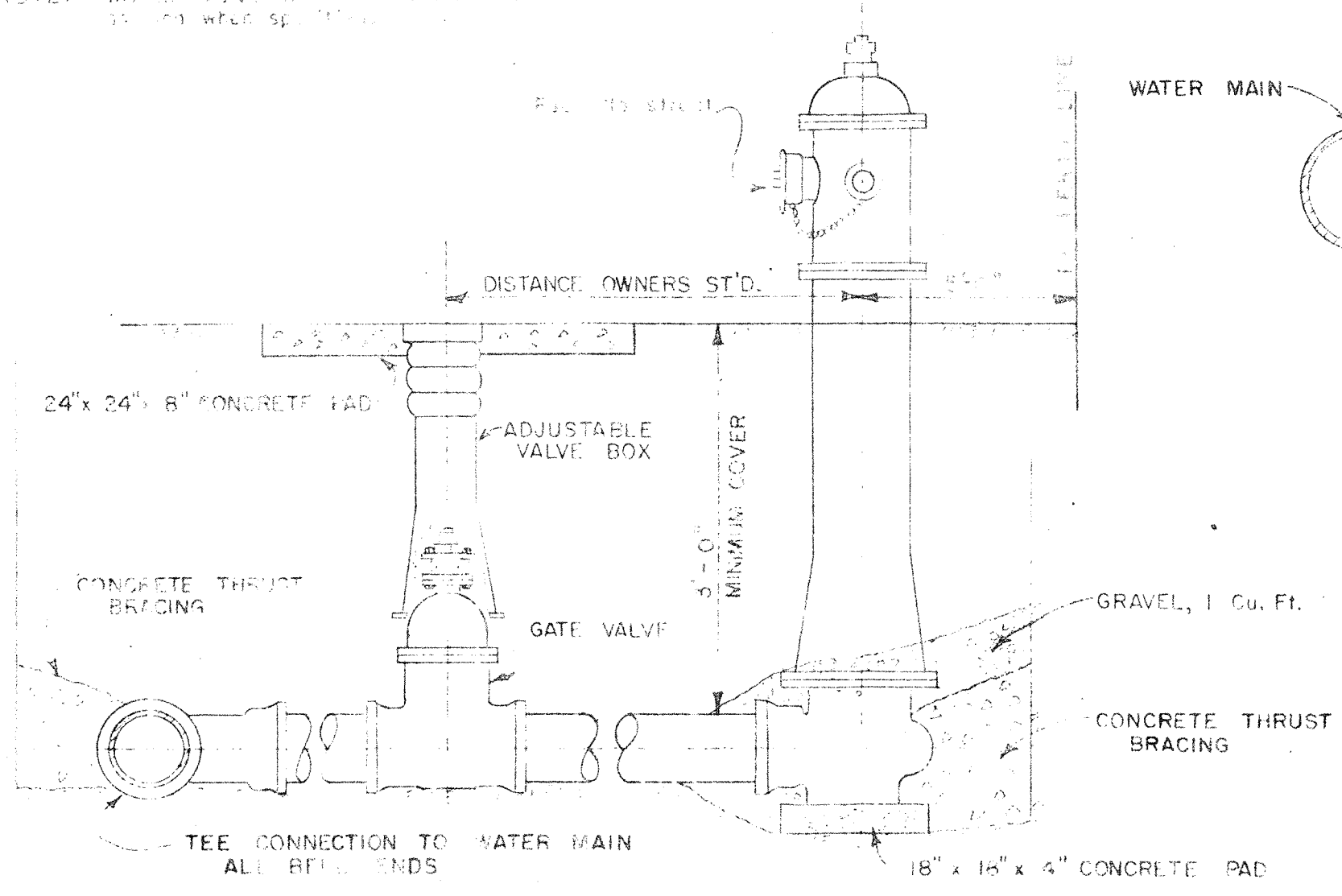
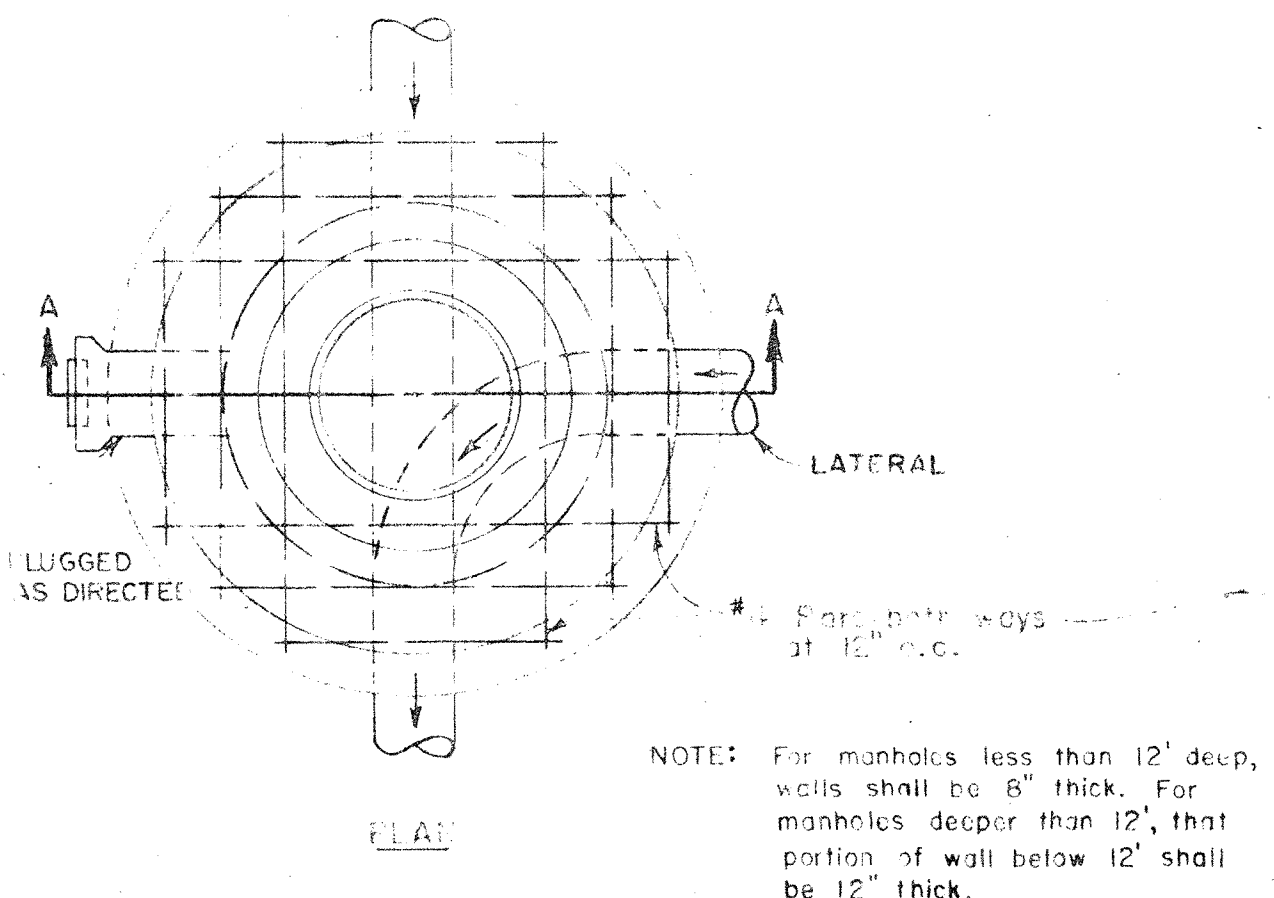


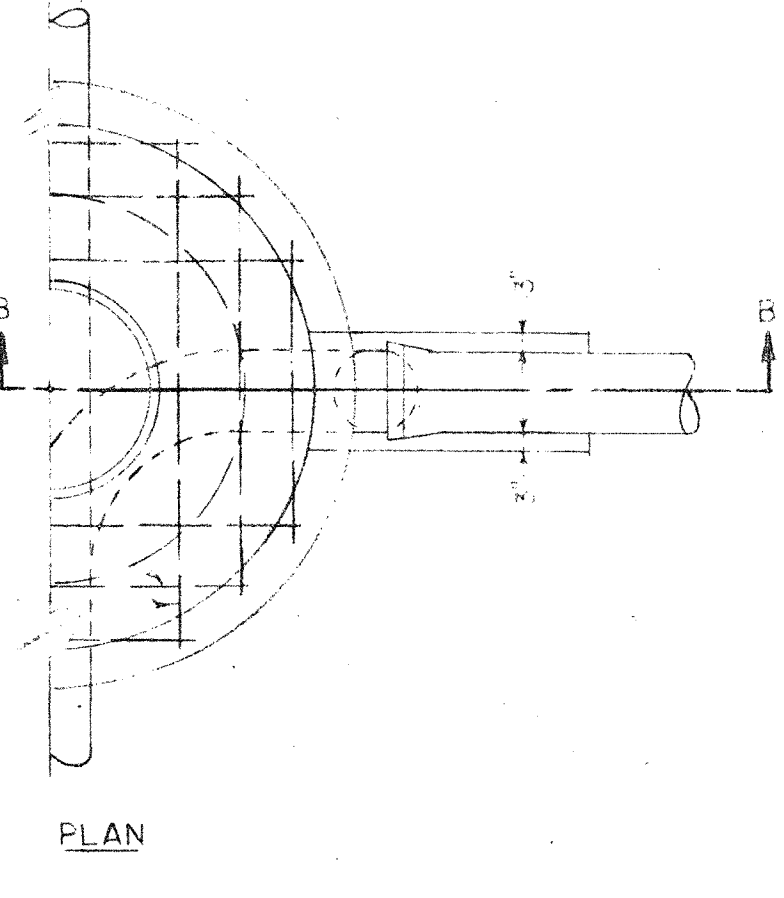
NOTE: 1. All work shall be in accordance with the latest edition of the Standard Specifications for Public Works of the State of Texas.



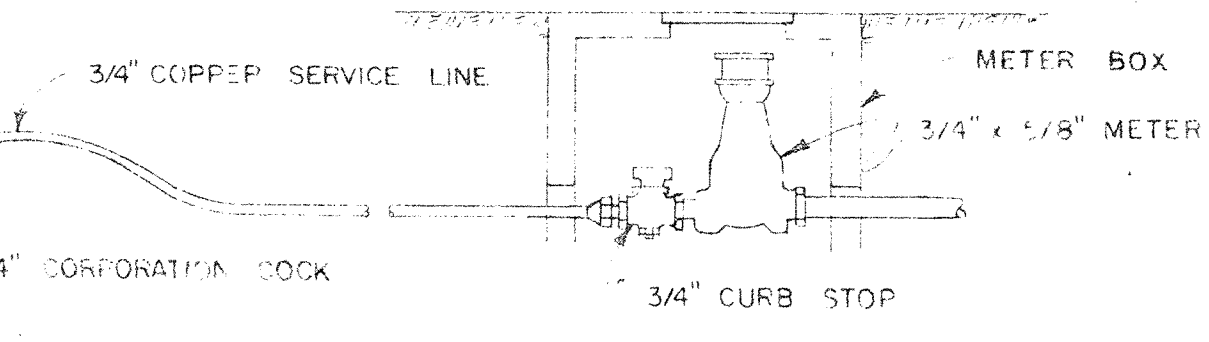
TYPICAL GATE VALVE & FLUSH VALVE INSTALLATIONS
NOT TO SCALE



NOTE: For manholes less than 12' deep, walls shall be 8" thick. For manholes deeper than 12', that portion of wall below 12' shall be 12" thick.

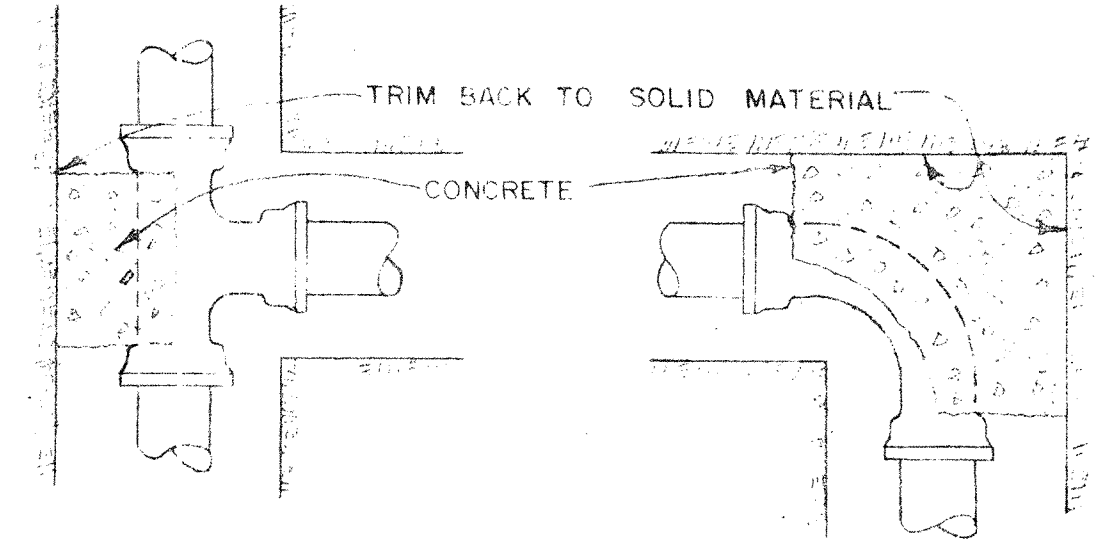


PLAN

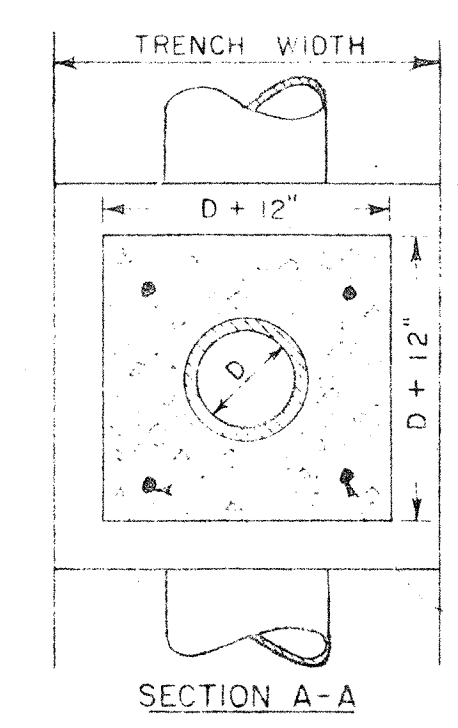


TYPICAL WATER SERVICE CONNECTION
NOT TO SCALE

NOTE: Service connections to 2" cast iron pipe will include service clumps.

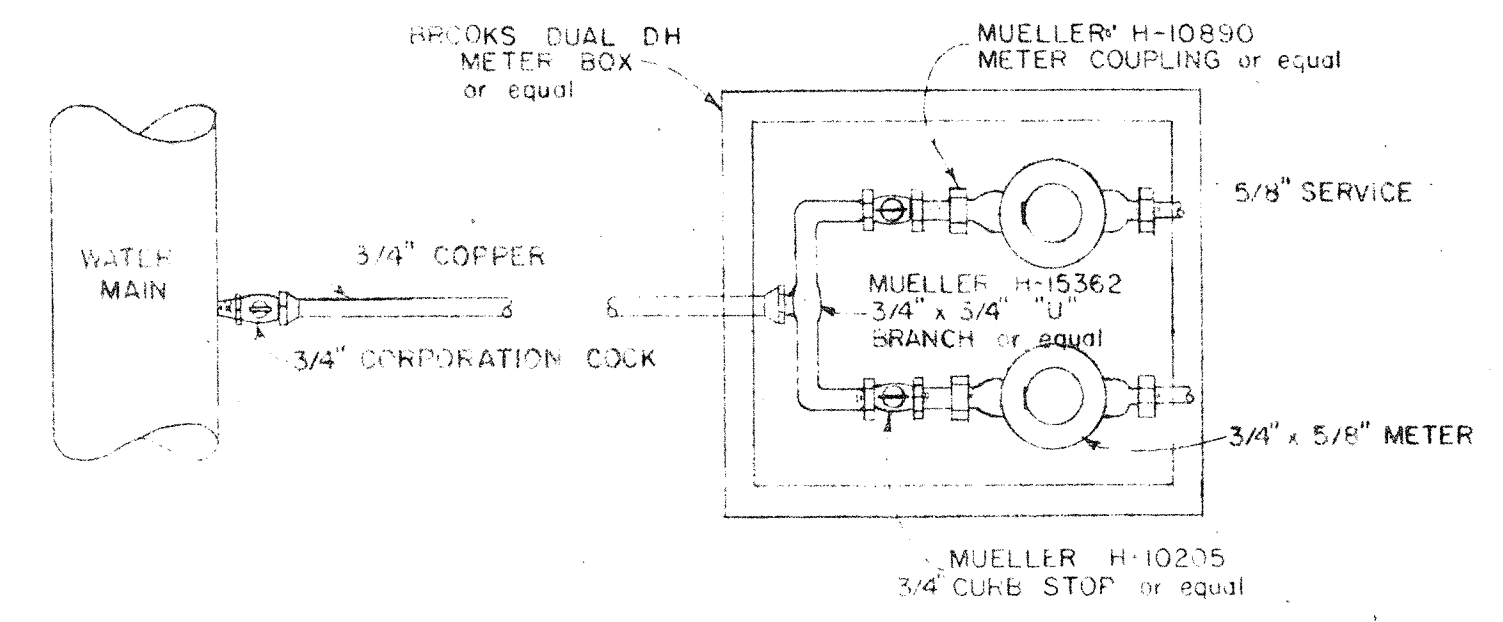


TYPICAL THRUST BRACING
NOT TO SCALE

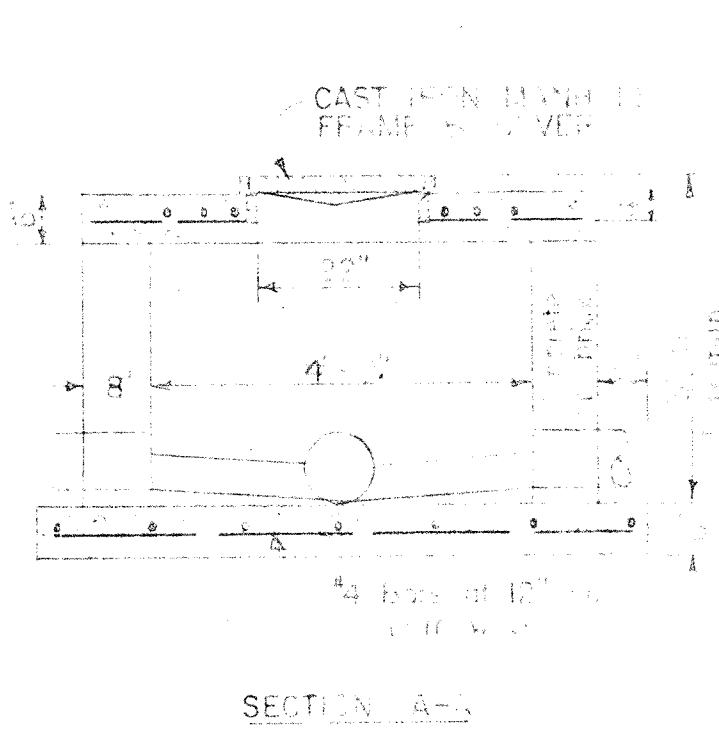


SECTION A-A

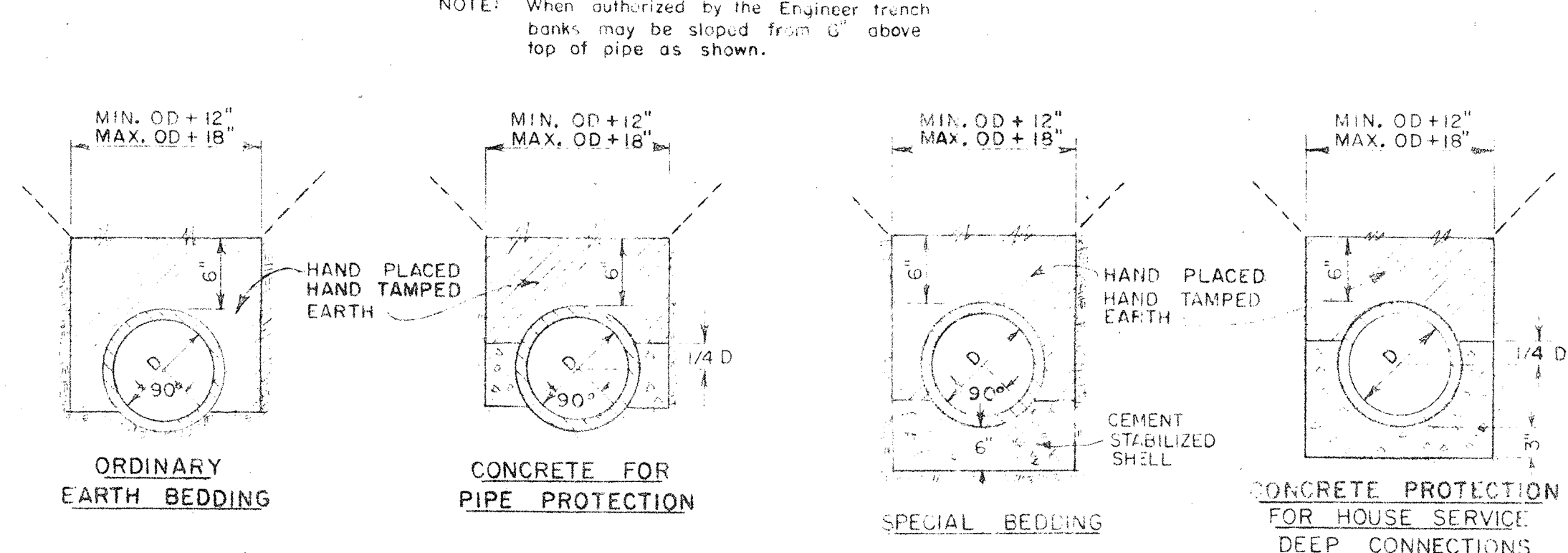
STANDARD STACK
SCALE: 1" = 1'-0"



DUPLEX WATER SERVICE CONNECTION
SCALE: 1-1/2" = 1'-0"



SHALLOW MANHOLE
SCALE: 1/2" = 1'-0"

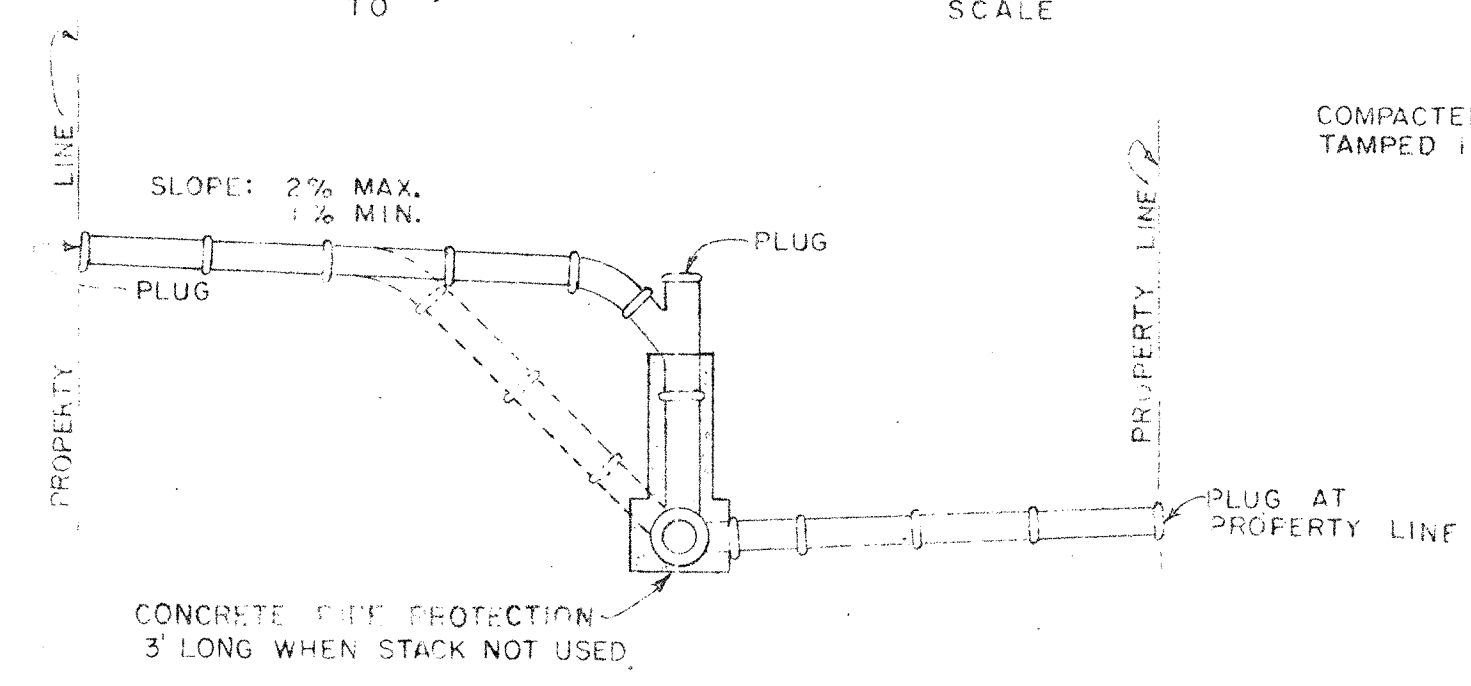


ORDINARY EARTH BEDDING

CONCRETE FOR PIPE PROTECTION

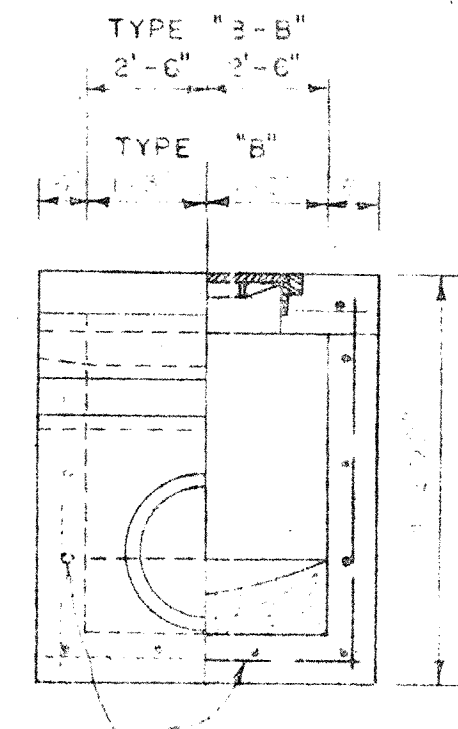
SPECIAL BEDDING

CONCRETE PROTECTION FOR HOUSE SERVICE DEEP CONNECTIONS

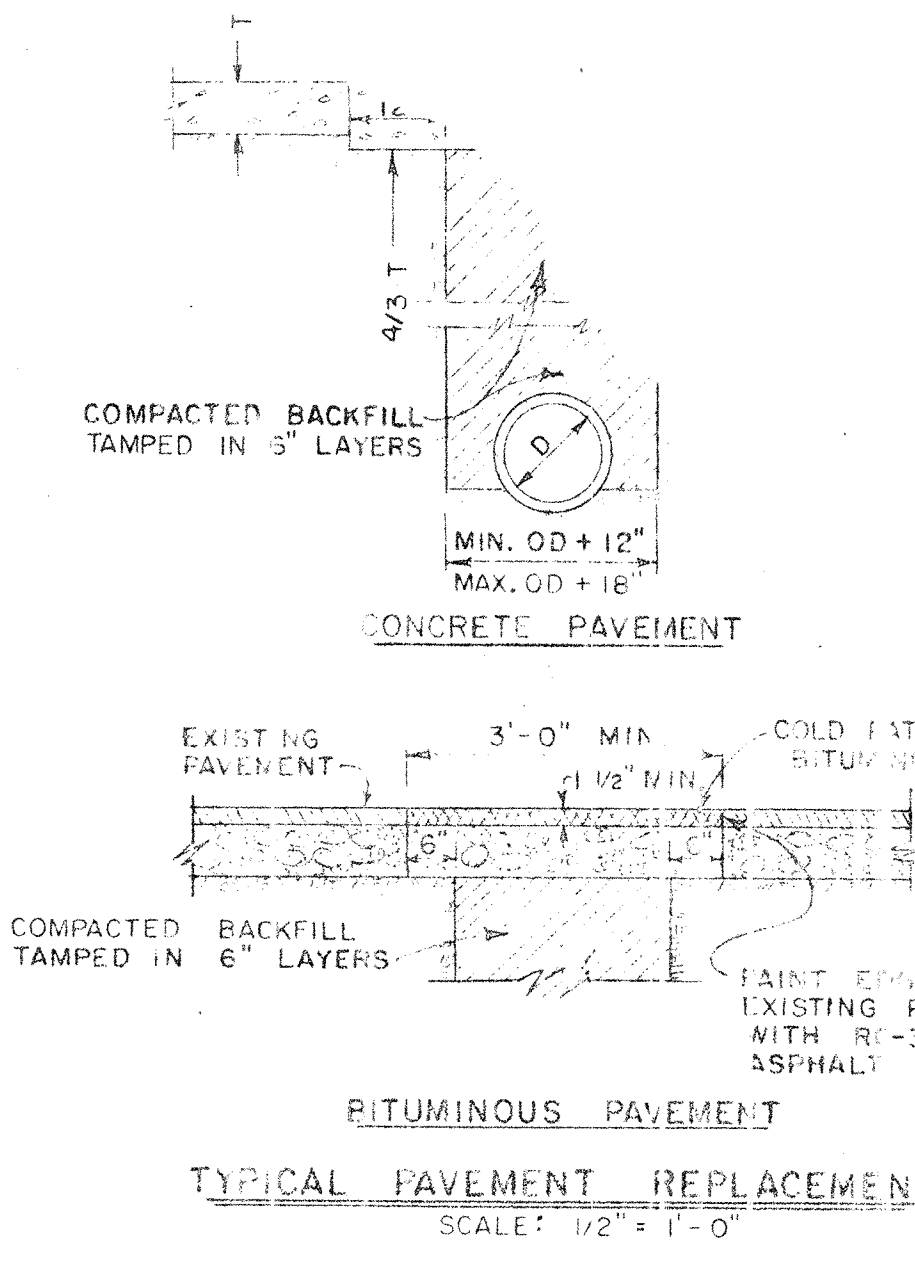


TYPICAL HOUSE CONNECTIONS
SCALE: 1/4" = 1'-0"

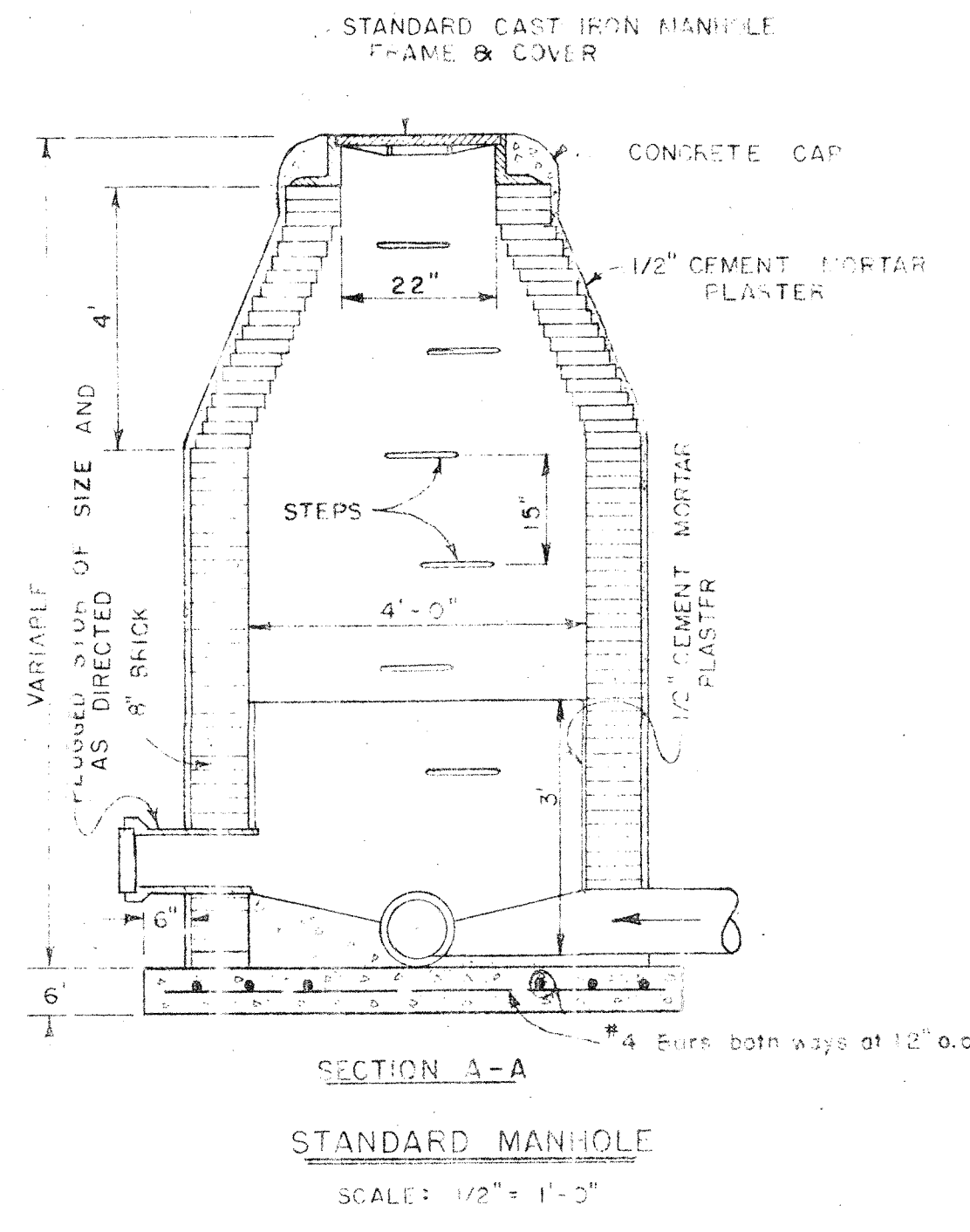
NOTES: 1. Plug wye in stack or main when service line is not laid to property line.
2. Use stack or steepen at main when 2% slope is exceeded.



STANDARD INLET
SCALE: 1/2" = 1'-0"

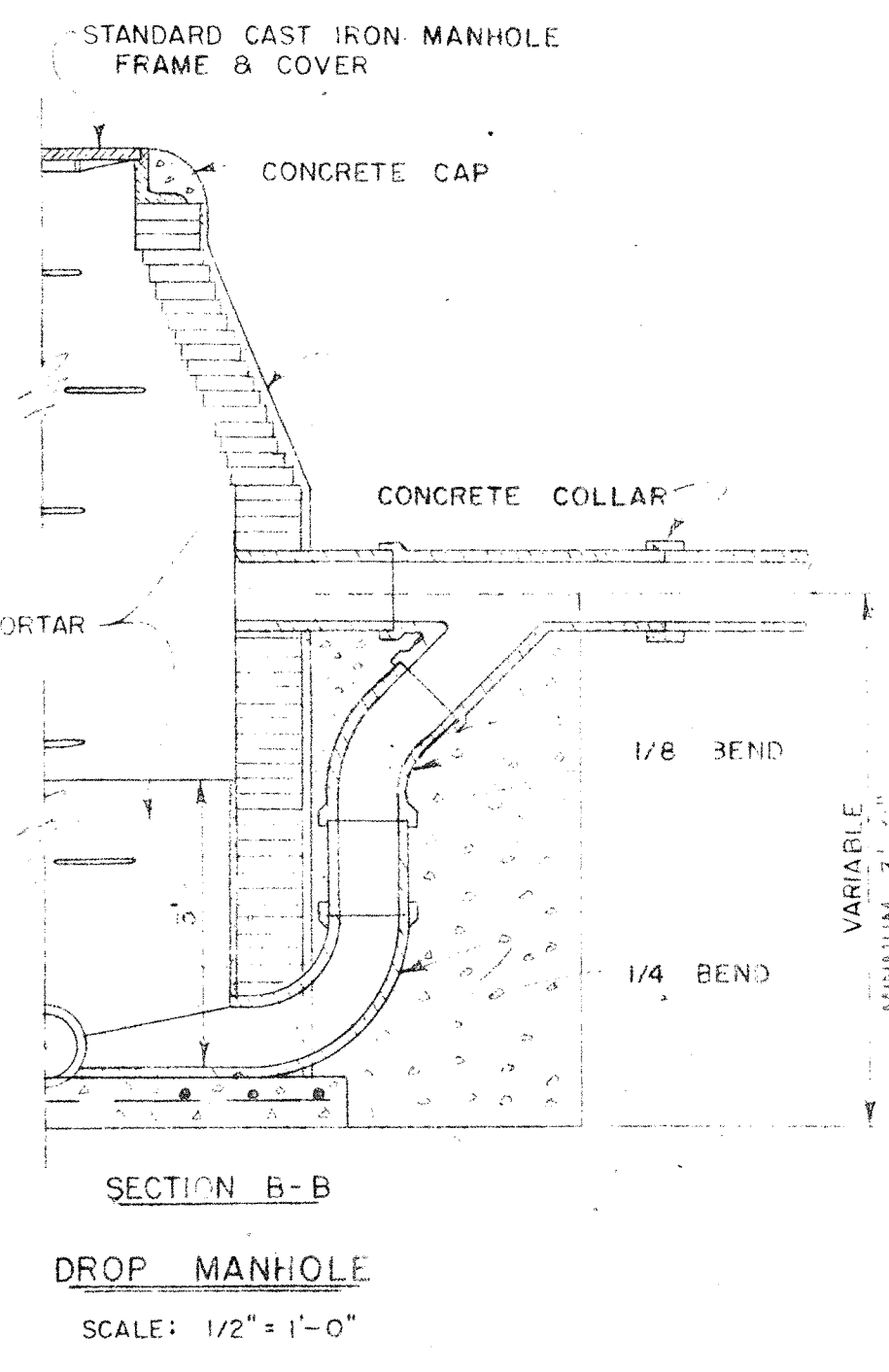


TYPICAL PAVEMENT REPLACEMENT
SCALE: 1/2" = 1'-0"



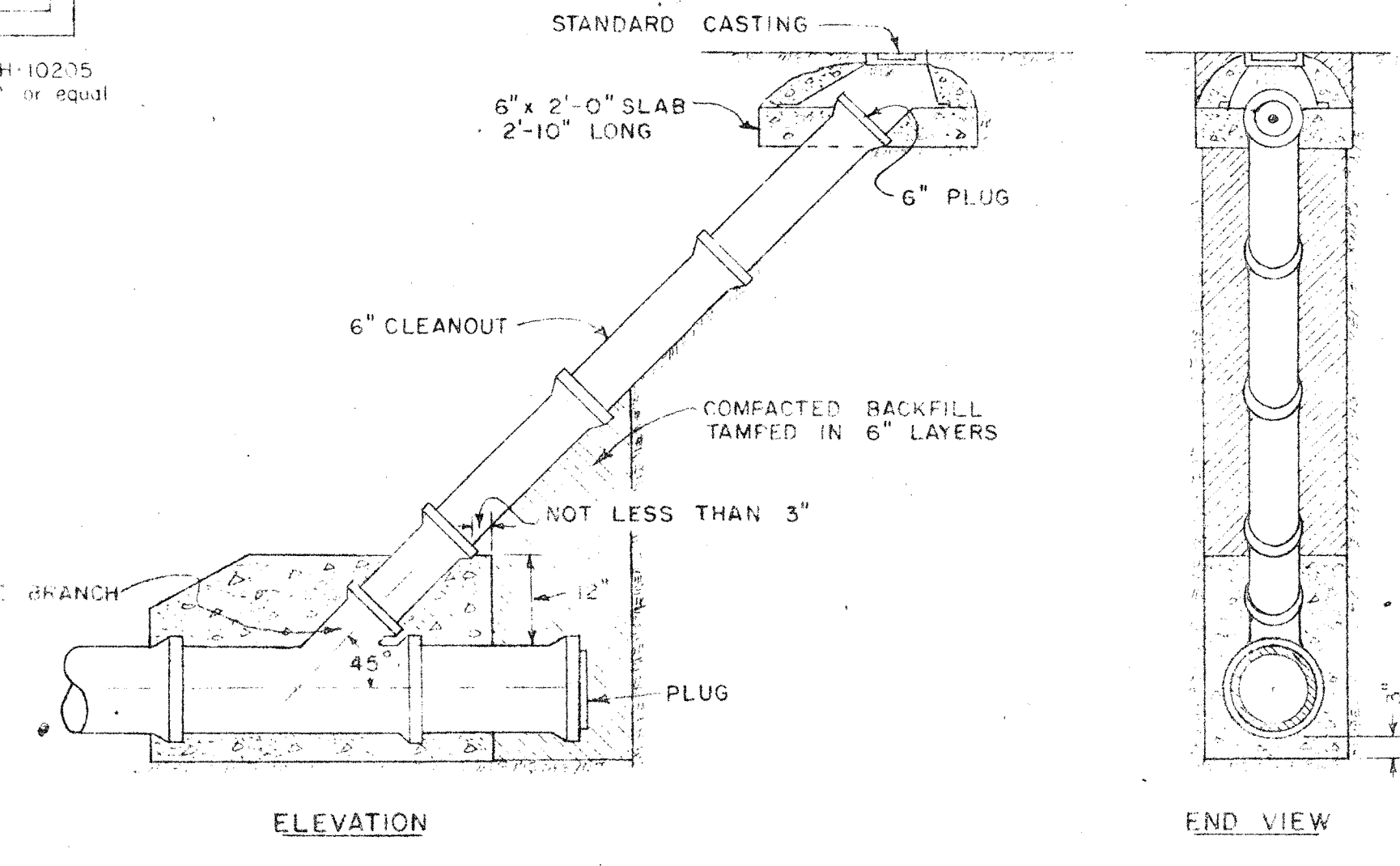
SECTION A-A

STANDARD MANHOLE
SCALE: 1/2" = 1'-0"



SECTION B-B

DROP MANHOLE
SCALE: 1/2" = 1'-0"



ELEVATION

CLEANOUT DETAILS
SCALE: 1/2" = 1'-0"

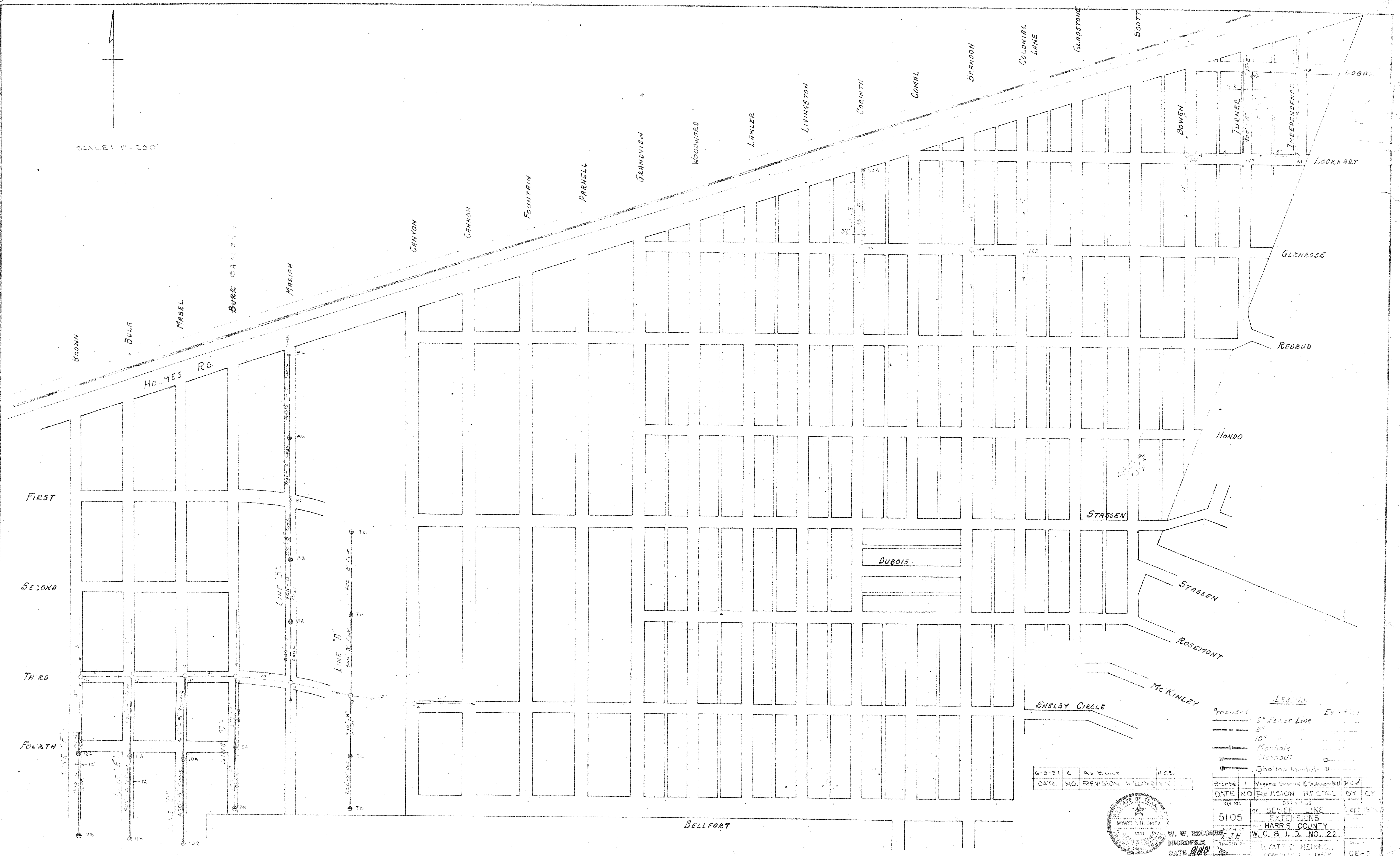
END VIEW

5115	INSTALLATION DETAILS
W.C. F. I. D. NO. 22	
W.W. RECORDS	
DATE 8/1/08	

12004



SCALE: 1"=200'



First
Second
TH RD
FOURTH

LEGEND

- Proposed 6" Sewer Line
- 8" " " "
- 10" " " "
- Manhole
- Manhole
- Shallow Manhole
- Existing

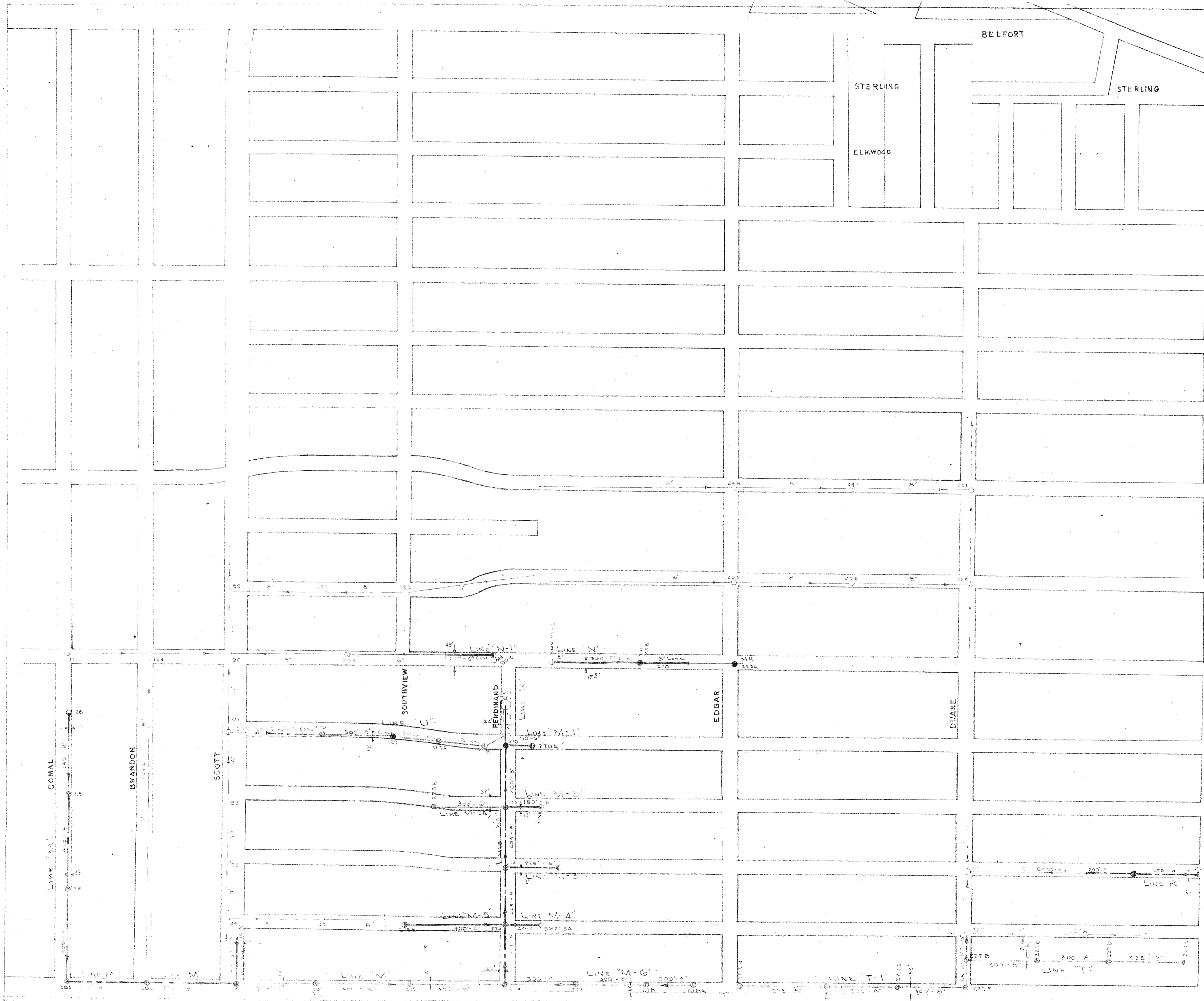
6-2-57	2	As BUILT	H.C.S.
DATE	NO.	REVISION	BY

W. W. RECORDS
DATE 2/20/57

STATE OF TEXAS
WYATT C. HEIDRICK
CONSULTING ENGINEER
HOUSTON

3-21-56	1	MANHOLE SPRING & SHALLOW MH	W.C.
DATE	NO.	REVISION	BY
JOB NO. 5105			
or SEWER LINE EXTENSIONS			
HARRIS COUNTY			
W. C. B. J. C. NO. 22			
WYATT C. HEIDRICK			
CONSULTING ENGINEER			
HOUSTON			

12004



STASSEN

ALEDO SCALE: 1"=200'

DAVENPORT

GALESBURG

KNOTVILLE

ALVIN

BRINKLEY

CHRISTOPHER

CHOCOLATE BAYOU RD.

LARKSPUR

CLOVER

MALLOW

PHLOX

REED RD.

LEGEND

PROPOSED	EXISTING
3" SEWER LINE	3" SEWER LINE
6" " " "	6" " " "
12" " " "	12" " " "
18" " " "	18" " " "
CLEAROUT	CLEAROUT
MANHOLE	MANHOLE
LIFT STATION	LIFT STATION

DATE	NO.	REVISION	BY	CHK.
04-27	1	REVISED AS SHOWN	W.C.B.	W.C.B.
02-26	1	MANHOLE SPACING CHANGE	W.C.B.	W.C.B.
DATE	NO.	REVISION	BY	CHK.
01-05	1	REVISED AS SHOWN	W.C.B.	W.C.B.

5105 OF SEWER LINE EXTENSIONS

HARRIS COUNTY
W.C.B. J.D. NO. 22

WYATT C. H. BRACK
ENGINEER
HOUSTON, TEXAS

W. W. RICHARDS
REGISTERED ENGINEER
NO. 12004

DATE 8/20/04

HOLMES RD.

BROOKHAVEN AVE.

SCALE: 1"=200'

BROOKHAVEN ADDN.



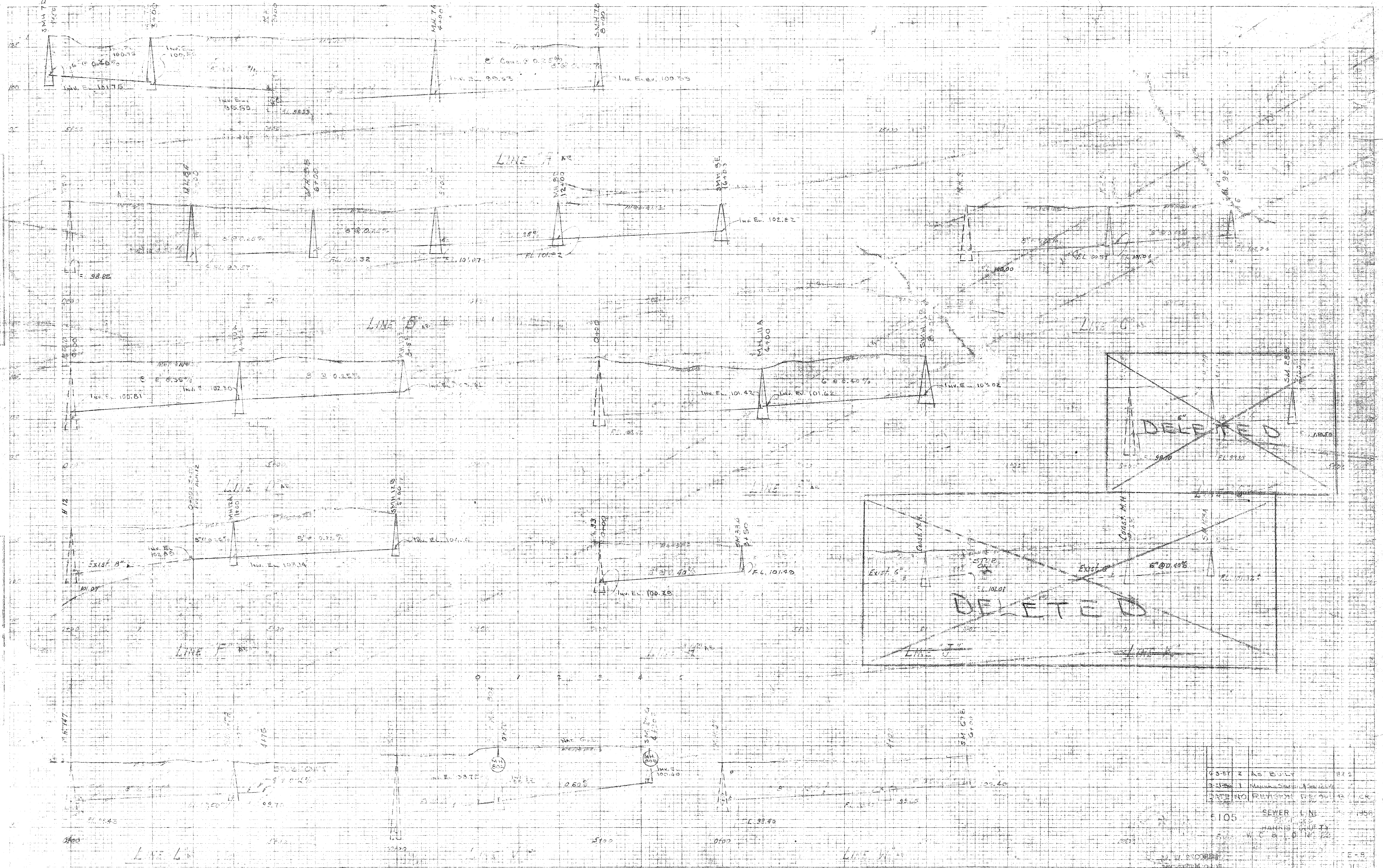
LEGEND

PROPOSED	EXISTING
3" SEWER LINE	3" SEWER LINE
6" " "	6" " "
0" " "	0" " "
2" " "	2" " "
15" " "	15" " "
CLEARING	CLEARING
MANHOLE	MANHOLE
SHALLOW MANHOLE	SHALLOW MANHOLE



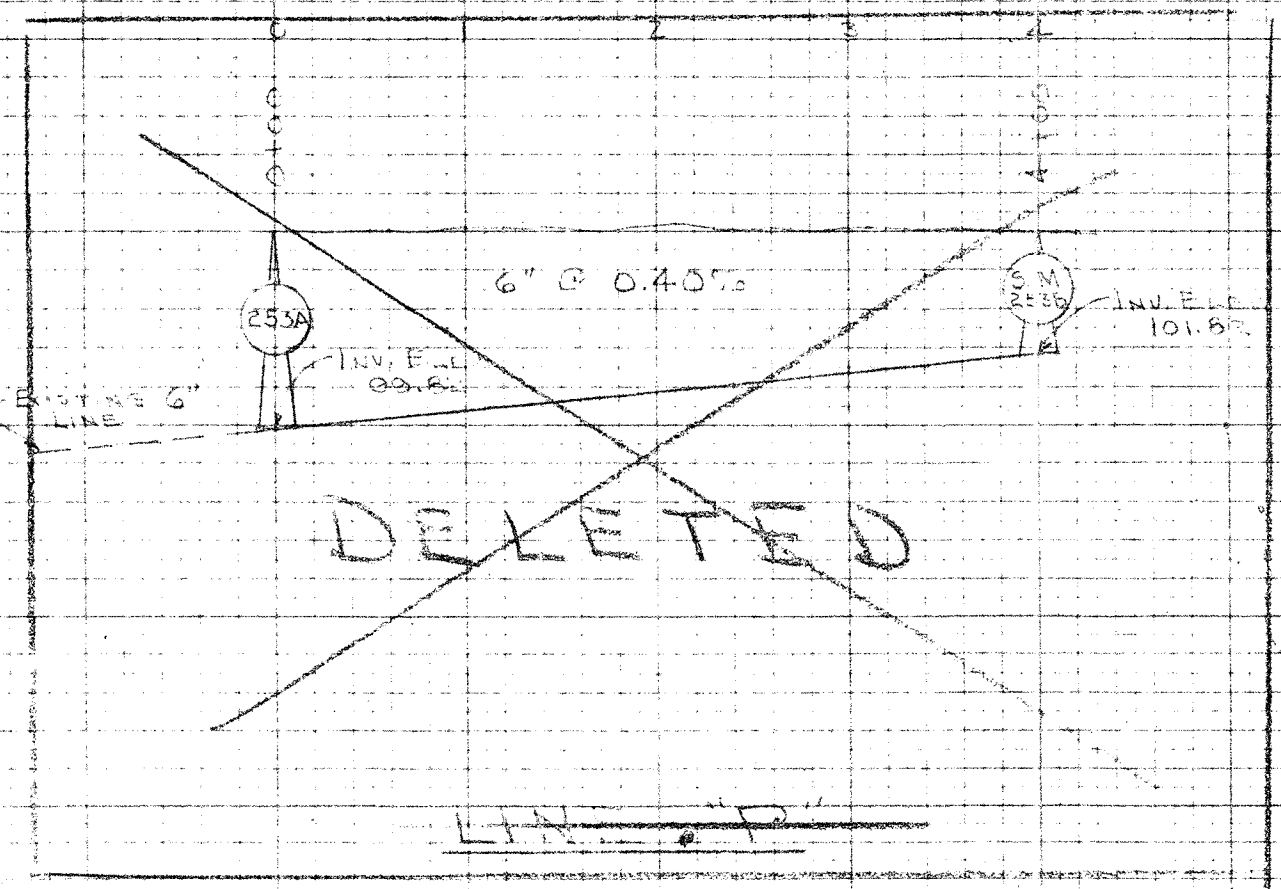
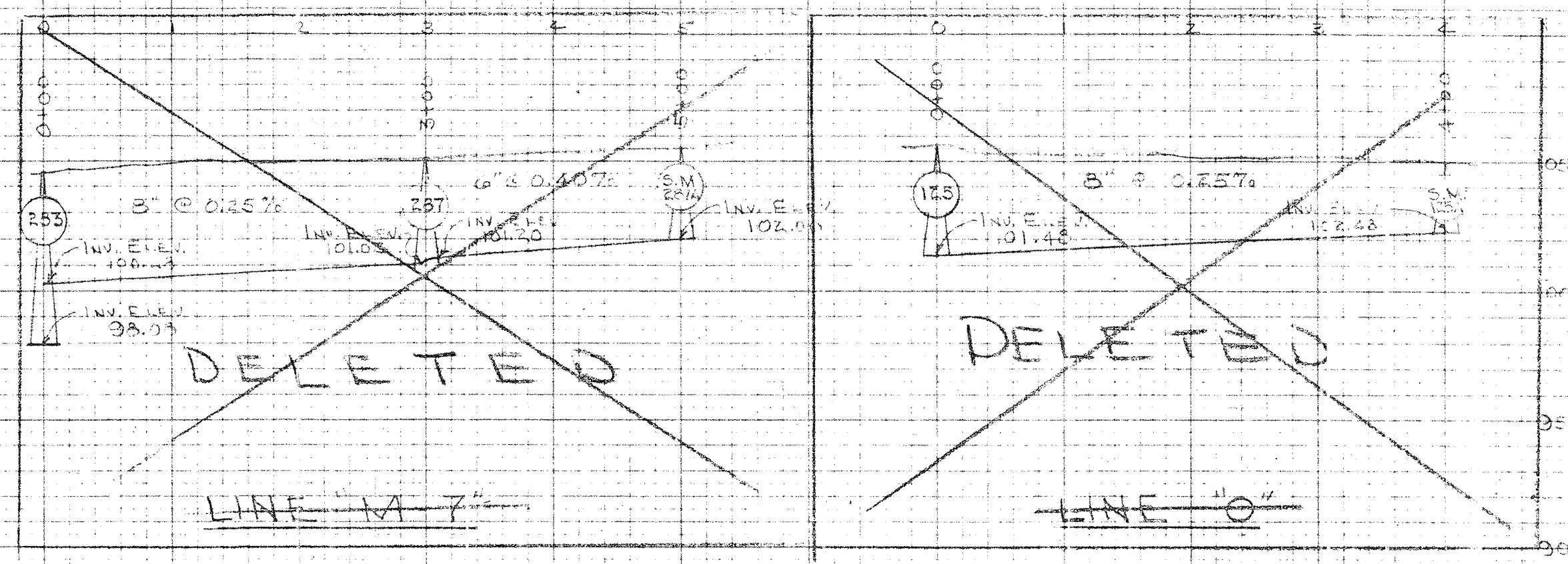
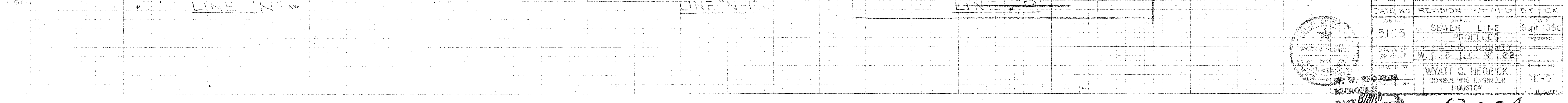
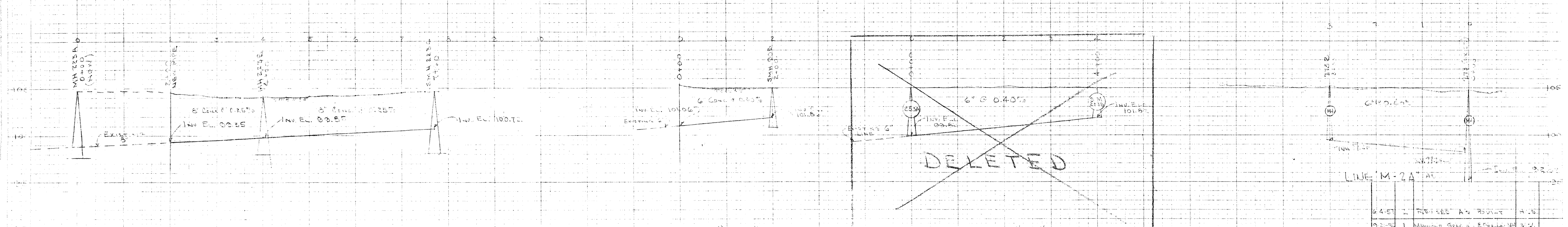
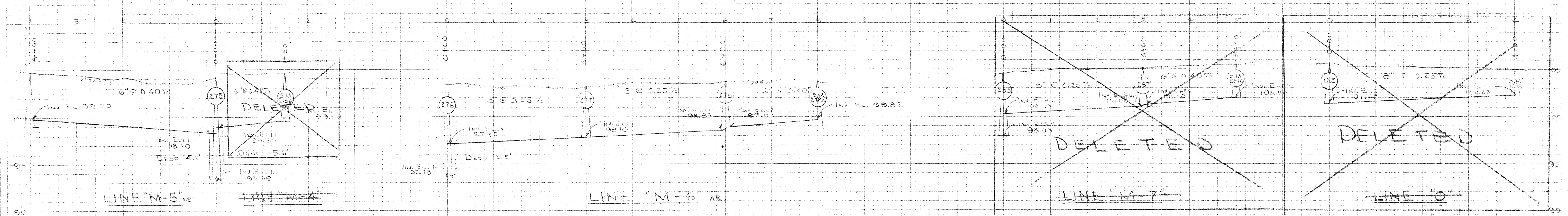
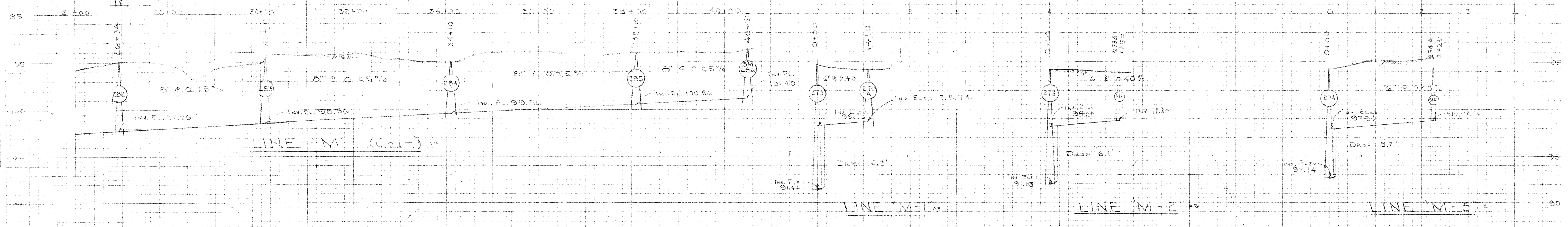
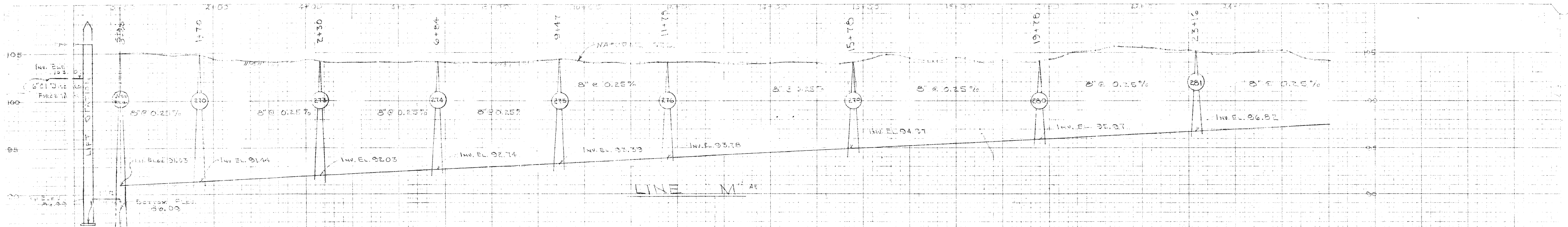
JOB NO.	5105	DATE	SEP 1 1956
DRAWING	OF SEWER LINE EXTENSIONS	BY	WYATT C. HEDRICK
PROJECT	HARRIS COUNTY	NO.	22
ENGINEER	WYATT C. HEDRICK	CONSULTING ENGINEER	HOUSTON
CHECKED BY	W. W. REEDS	DATE	12004

CIVIL
 SUPPLY
 ENGINEERING
 LICENSE NO. 12004



45-57	2	AS BULK	BY
3-13	1	MANHOLE	BY
3-14	1	MANHOLE	BY
3-15	1	MANHOLE	BY
3-16	1	MANHOLE	BY
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3-99	1	MANHOLE	BY
3-100	1	MANHOLE	BY

J. W. PROBERT
 DATE 12/04
 12004



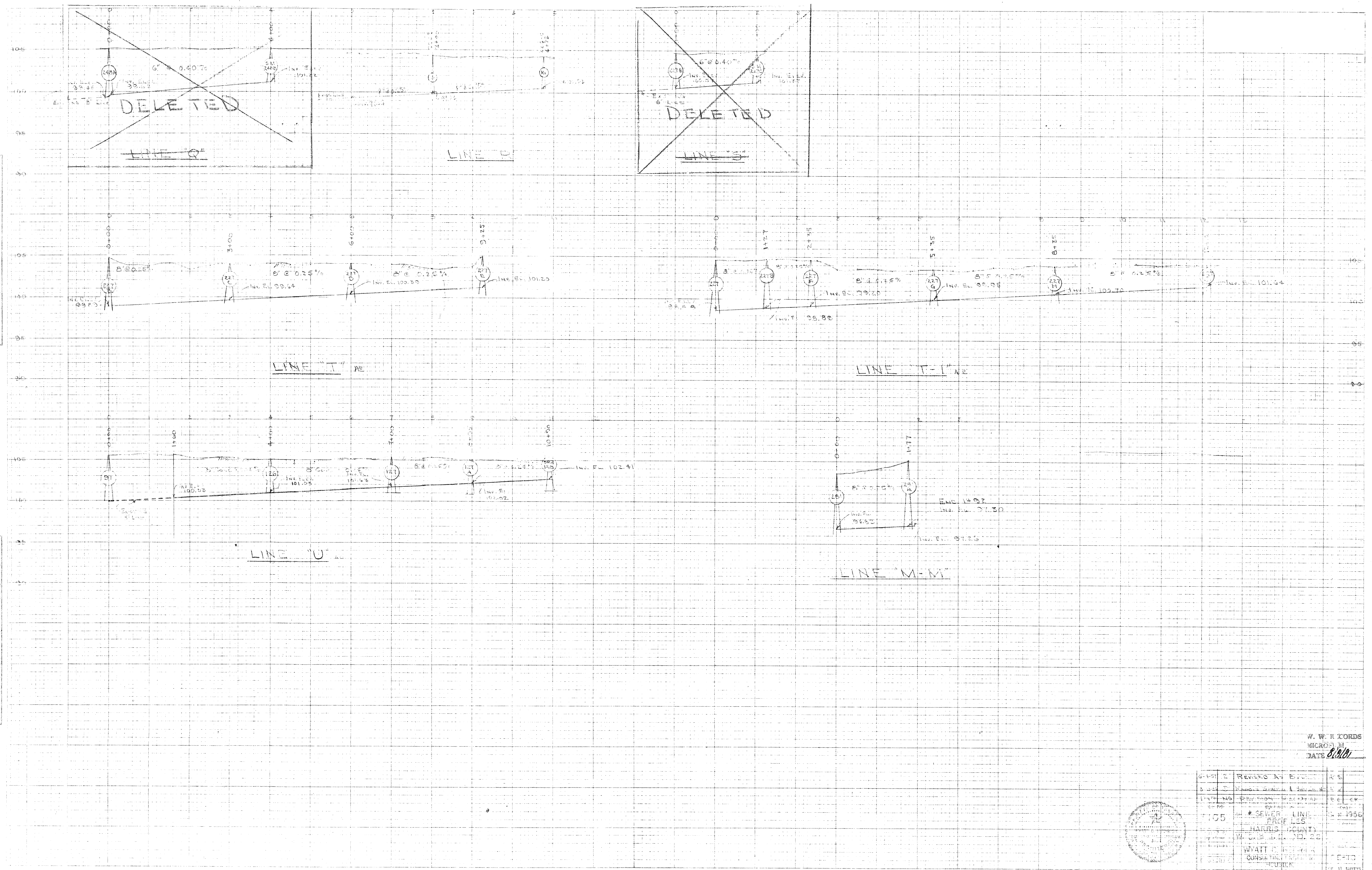
DATE	NO	REVISION	APPROVED BY	CHK
5-15-55	1	ISSUED AS BOUND	A.S.	
5-15-55	1	ISSUED AS BOUND	A.S.	
5-15-55	1	ISSUED AS BOUND	A.S.	
5-15-55	1	ISSUED AS BOUND	A.S.	

5155 SEWER LINE PROFILES
 HARRIS COUNTY
 WYATT C. HEDRICK
 CONSULTING ENGINEER
 HOUSTON

DATE 8/10/04 12004

SURVEY
 DATE 8/2/51

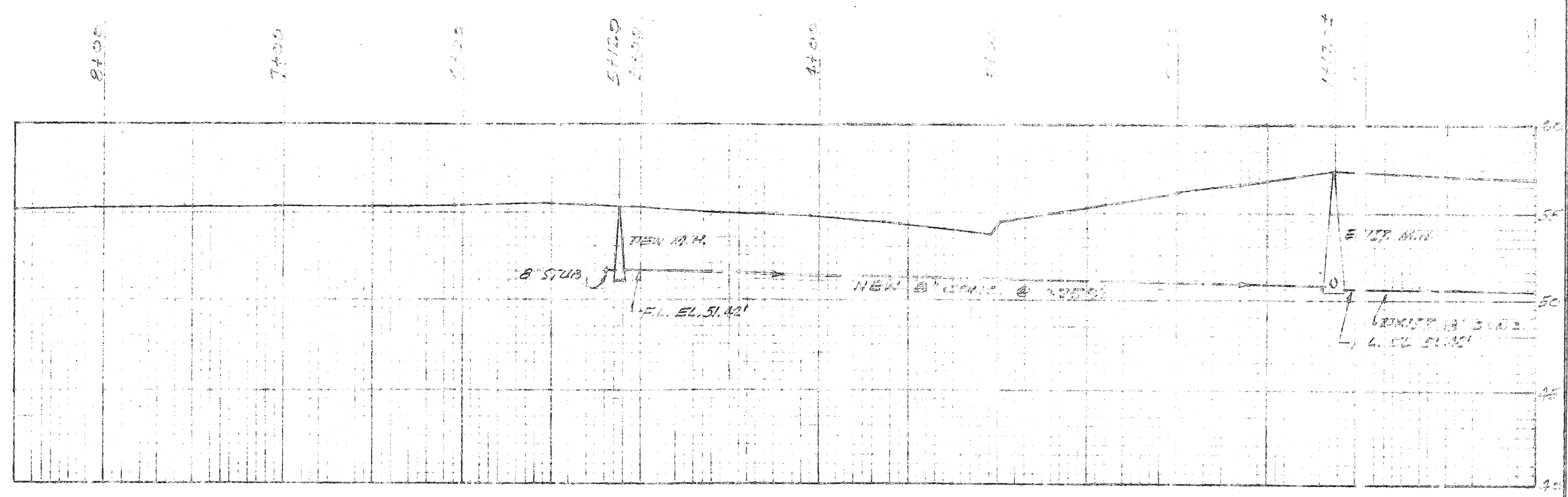
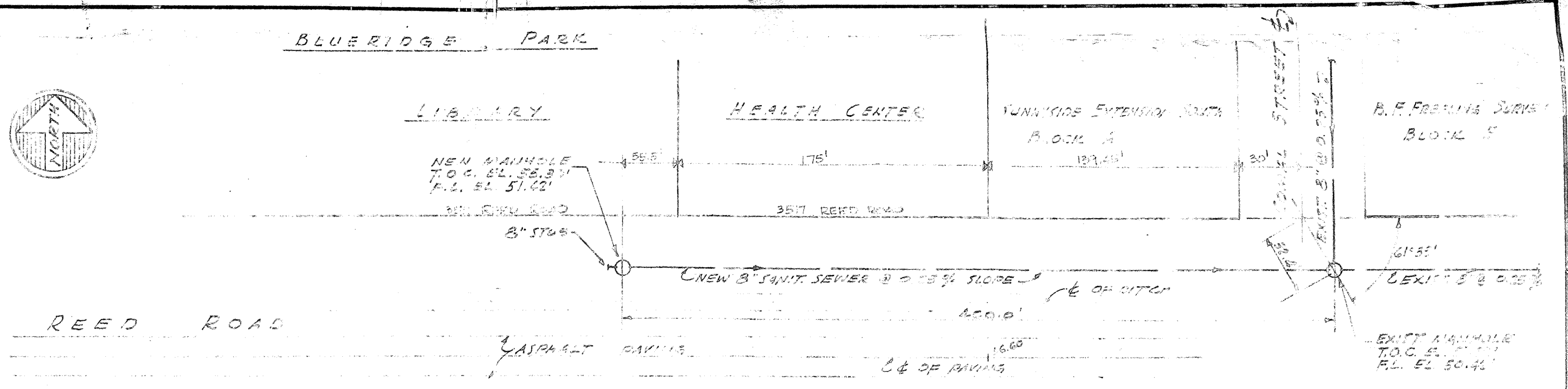
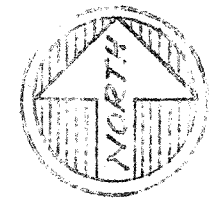
SURVEY
 DATE 8/2/51



W. W. KORDS
 MICRO 11
 DATE 8/2/51

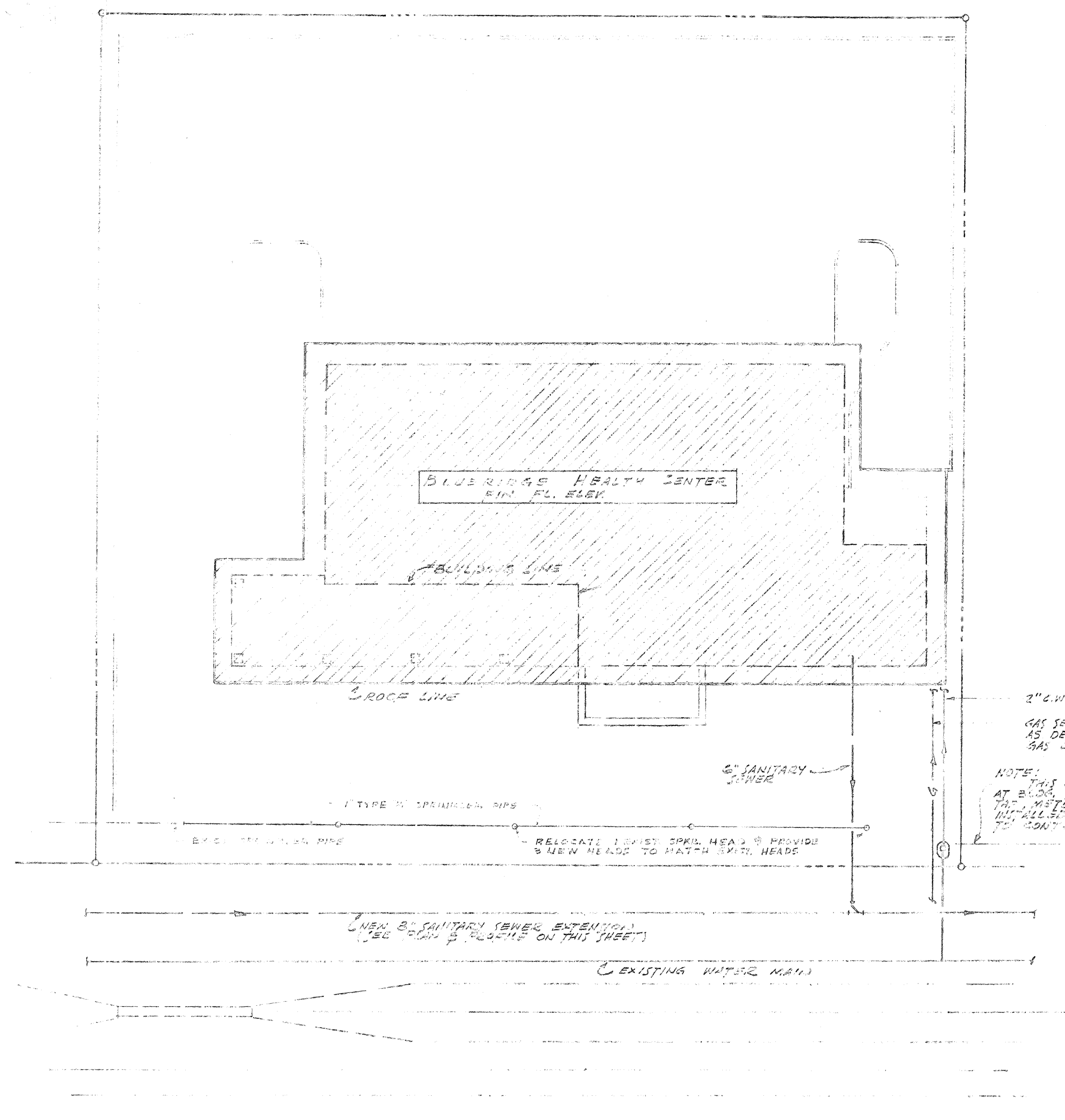
6-151	REVISED BY	W. W. K.
3-151	REVISIONS	W. W. K.
1-151	DATE	8/2/51
105	SEWER LINE	8-1956
	PROF. LES.	
	HARRIS COUNTY	
	W. W. KORDS, P.E.	
	WYATT C. BROWN	
	CUNNINGHAM	

BLUERIDGE PARK



PLAN AND PROFILE - CITY SANITARY SEWER EXTENSION

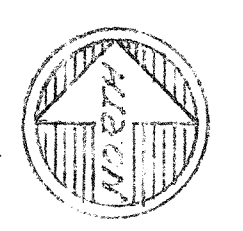
HORIZONTAL SCALE 1" = 100'
VERTICAL SCALE 1" = 10'



2" C.W. SERVICE
GAS SERVICE: SIZE AND PRESSURE AS DETERMINED BY THE LOCAL GAS COMPANY.

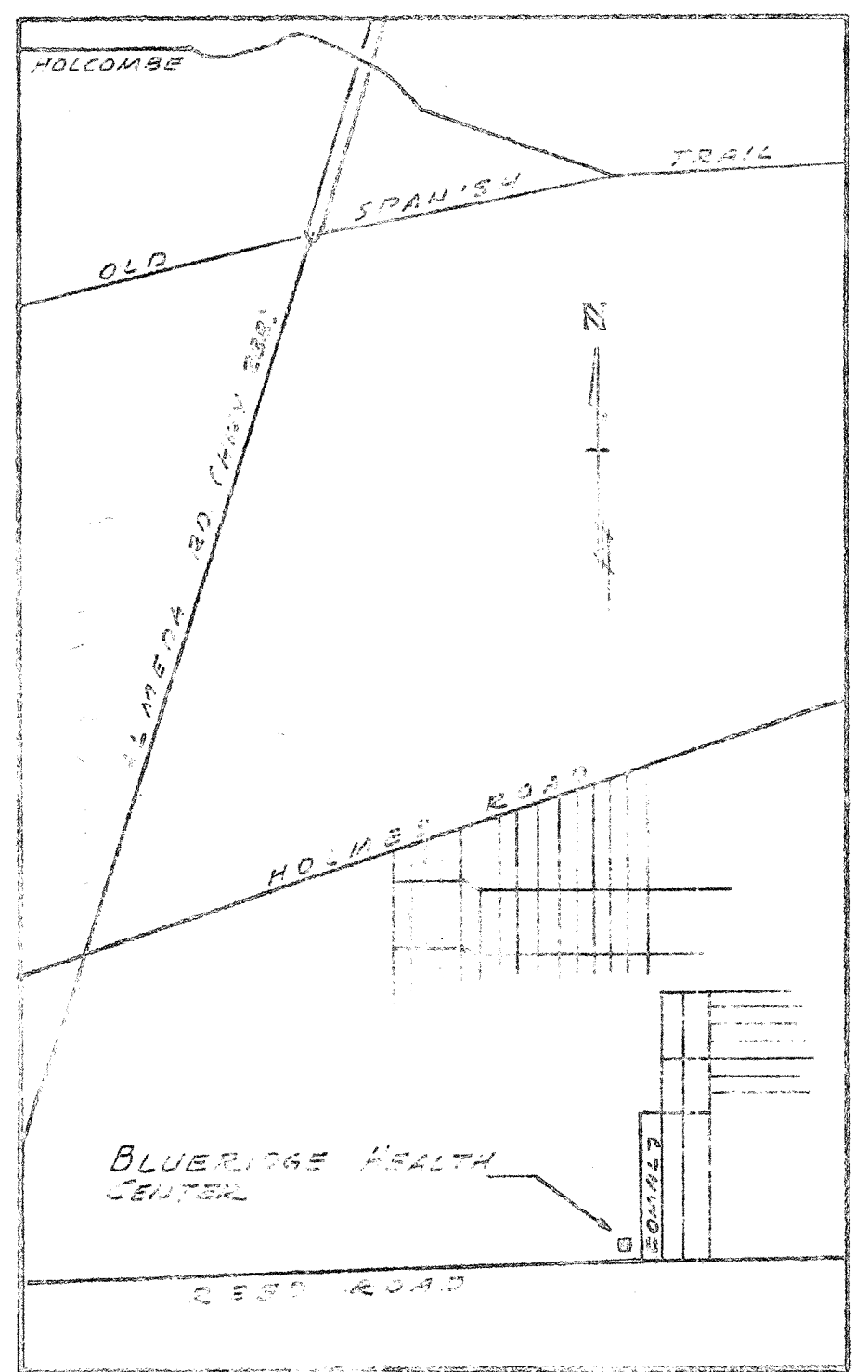
NOTE: THIS CONTRACTOR WORK TO START AT BLDG. LINE OF WATER METER. NEW WATER METER AND WATER BOX WILL BE INSTALLED BY LOCAL WATER CO. CONTRACTOR TO INSTALL.

SITE PLAN - MECHANICAL & PLUMBING - SCALE: 1/8" = 1'-0"



SYMBOL	DESCRIPTION	SIZE OF CONDUIT (INCHES)			
		SOIL	WASTE	VEN.	AIR
W	WATER SUPPLY	2"	2"	2"	2"
U	URINAL	2"	2"	2"	2"
L	LABORATORY DRAIN	1 1/2"	1 1/2"	1 1/2"	1 1/2"
LA	LABORATORY DRAIN	1 1/2"	1 1/2"	1 1/2"	1 1/2"
S	SEWER	8"	8"	8"	8"
SC	SOIL CLEANOUT	1 1/2"	1 1/2"	1 1/2"	1 1/2"
MC	MENSINATOR	1 1/2"	1 1/2"	1 1/2"	1 1/2"
PC	PURGE	1 1/2"	1 1/2"	1 1/2"	1 1/2"
SA	SINK	1 1/2"	1 1/2"	1 1/2"	1 1/2"
TA	TRENCH (THIS)	3" DIA.	1"	1"	1"
VA	VACUUM (THIS)	3" DIA.	1"	1"	1"

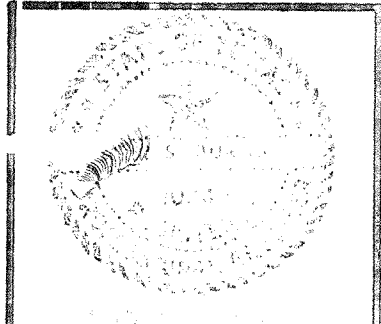
PLUMBING LEGEND	
—	SANITARY SEWER
—	SOIL (S) OR WASTE (W)
—	VENT (V)
—	STORM SEWER (S.S.)
—	COLD WATER (C.W.)
—	HOT WATER (H.W.)
—	HOT WATER RETURN (H.W.R.)
—	GAS (G)
—	AIR (A)
—	SAFE (S.F.)
—	ROBE VALVE (R.V.)
—	SOIL CLEAN (S.C.)
—	WAVE (W.V.)
A.P.	ACCESS PANEL
C.I.	CISTERN
C.O.	CLEANOUT (EXTERNAL)
F.C.O.	FLOOR CLEANOUT
R.I.O.	ROUNDER IN LINE
N.L.C.	NOY TO LAMP
V.T.R.	VENT THROUGH ROOF
F.O.	FLOOR TOILET
H.S.	HOLE SIZE
M.H.S.	MINIMUM HOLE SIZE
S.G.	SILL GORE
L.S.	LABORATORY SINK
T.O.C.	TOP OF SOURCE
F.L.	FLOW LINE



LOCATION PLAN - NO SCALE

GENERAL NOTES:

- REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR LOCATION, DIMENSIONS AND USES OF PARTITIONS, SHAFTS, ETC. REQUIRED FOR INSTALLATION OF PLUMBING FIXTURES AND EQUIPMENT.
- THIS CONTRACTOR SHALL VERIFY SIZE, LOCATION AND ELEVATION OF EXISTING SANITARY SEWER AND MANHOLE.
- ALL STORM DRAINAGE IS UNDER A SEPARATE DIVISION OF THE SPECIFICATIONS AND BY THE GENERAL CONTRACTOR.
- ALL EXISTING CLEANOUTS SHALL BE BROUGHT UP FLUSH WITH FINISHED GRADE; IF NOT IN A PAVED AREA, PROVIDE 12" DIA. CONCRETE WAS AROUND CLEANOUT.
- ALL GAS AND AIR COCKS IN LABORATORY SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR AND SHALL BE TURNED TYPE BALL COCKS WITH GOLD COLORED PLATE UNDER BUTTON. SEPARATE HOSE HOLES 3/8" DIA. SHALL BE PROVIDED UNLESS OTHERWISE NOTED.
- ALL PLUMBING FIXTURES TO BE SUPPLIED BY OWNER. ALL SUPPLIES SHALL BE FURNISHED TO THE WORK SITE BY THE CONTRACTOR AND SHALL MAKE SURE ALL MATERIALS TO BE SUPPLIED BY OWNER ARE RECEIVED BY THE CONTRACTOR.
- ALL PLUMBING FIXTURES AND EQUIPMENT TO BE SUPPLIED BY THE CONTRACTOR SHALL BE INSTALLED BY THE CONTRACTOR AS SHOWN ON INSTALLATION DRAWINGS FURNISHED TO THE CONTRACTOR BY THE OWNER OR AS DIRECTED BY THE ARCHITECT. SERVICE TUBES AS INDICATED ON THE DRAWINGS ARE INTENDED AS GENERAL REQUIREMENTS ONLY TO THE ACTUAL INSTALLATION.



Charles M. [Signature]
#1355

<p>BLUERIDGE HEALTH CENTER for THE CITY of HOUSTON</p>		<p>JOB NO. DATE 7-1-60</p>
<p>PL-1</p>		<p>SHEET OF 13</p>