CITY OF

ALBUQUERQUE—NEW MEXICO

NORTH BROADWAY STORM SEWER

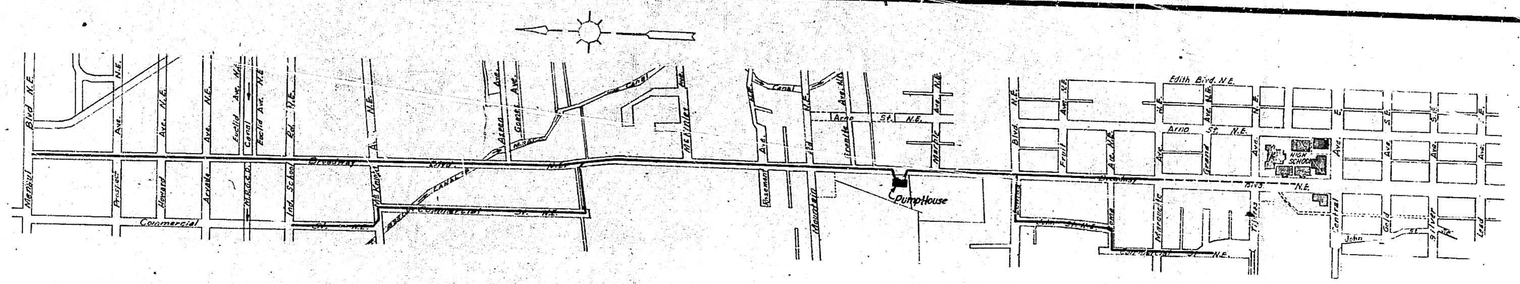
AND

PUMP STATION

08 1571 0057 29

GORDON HERKENHOFF AND ASSOCIATES INC. CONSULTING ENGINEERS

SHT 00 OF 15



Gas Storage

Pump Room

Sign Shop

Pipe Storage (Tile)

State Highway Property

Fence

Broadway Blvd. N.E.

EXIST. SAN. SEWER

NEW 60"

JCT. BOX

M.H.

W.V.

Valve

CLEANOUT - SEE DETAIL

CLEAN OUT

(SEE DETAIL THIS SHEET)

NEW 6" SAN SEWER

RELOCATED GAS LINE

REMOVE

RELOCATED 12" WATER LINE

ALL NEW WATER PIPE TO BE 12" C.I.

6" SANITARY SEWER TO BE ABANDONED

EXISTING PUMP HOUSE TO BE REMOVED

REMOVE GAS METER

CONNECTION TO BE MADE BY CITY.

DISCONNECTION TO BE MADE BY CITY.

CLEANOUT (SEE DETAIL)

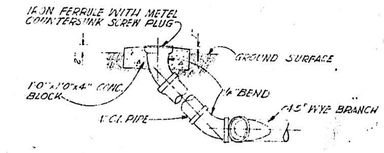
42" STEEL

70'-1" FEET 42" R.C.P.

20' 5' 20' 5' 25'

LEGEND

DESCRIPTION	NEW	EXISTING
MUELLER PRESSURE REDUCING VALVE & BOX (12-9000)		
GATE VALVE & BOX		
1¼" REGULATOR		
GAS LINE	—G—	—G—
WATER LINE	—W—	—W—
SEWER LINE	—S—	—S—
SEWER CLEANOUT		
CHAIN LINK FENCE	—/—/—	



SEWER CLEANOUT DETAIL
NOT TO SCALE

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
0	8	5	7	1		0	1	5	7			2	1															

ALBUQUERQUE, NEW MEXICO

NORTH BROADWAY
STORM SEWER & PUMP STATION

LOCATION PLAN & GENERAL LAYOUT

HERKENHOFF & ASSOCIATES
CONSULTING ENGINEERS
ALBUQUERQUE, NEW MEXICO

SCALE	DATE	DRAWN	SHEET
AS SHOWN	FEB. 4, 1956	CHACKED	1 OF 15

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / PT. OF WAY CHECKED / NOTE BOOK / NO. / DATE

PROFILE — NOTE BOOK / NO. / DATE / SCALE: HOR. 1"=100', VERT. 1"=5' / ALL ELEVATIONS REFER TO U.S.G.S. DATUM

M.R.G.C.D. MAP 37

MAYO & ROSS ADD.

ARNO ST. N.E.

MARBLE AVE. N.E.

GRANITE AVE. N.E.

MOUNTAIN RD. N.E.

ROSEMONT AVE. N.E.

A ADD.

B COUNTY C.H.'S

C

D

1 SPRINGER TRANSFER CO. 2 ADD.

3 SPRINGER TRANSFER CO. NO. 1

4

BROADWAY

COMMERCIAL AVE.

PUMP HOUSE

JUNCTION BOX TYPE 'A'

JUNCTION BOX TYPE 'B'

3 DOUBLE 'C' INLETS

4 SINGLE 'C' INLETS

4 DOUBLE 'C' INLETS

SINGLE 'C' INLETS

LINE 'A'

LINE 'A-1'

LINE 'B'

NOTE: ALL MANHOLES TO BE TYPE 'B'

Springer Transfer Co.

Kinsler

Ricardo Garcia y Carabajal

Aurora A. Richards

Barela Lane

Eaton Ln.

DITCH

BARELAS

PROFILE LINE A

PROFILE LINE A-1

ALBUQUERQUE, NEW MEXICO

NORTH BROADWAY STORM SEWER & PUMP STATION

STORM SEWER

PLAN & PROFILE

HERKENHOFF & ASSOCIATES CONSULTING ENGINEERS ALBUQUERQUE, NEW MEXICO

SCALE	DATE	DRAWN	SHEET
HOR. 1"=100' VERT. 1"=5'	FEB 4 1956	CHECKED JAD	2 OF 15

08 57 01 02 57 01 58142

58141

PLATE 1—PLAN—PROFILE O.F.P. & R.E.

A.T. & S.F. RY.

M.R.G.C.D. Parcel A Lands of Pete L. Mallcucci COMMERCIAL

MAP 37 Gaspar Garcia

MAP 35 Henry Springer

MAP 36 City of Albuquerque

FRANCISCAN

BARELAS

COMMERCIAL

ST. N.E.

BROADWAY

DITCH

LINE A-1

LINE A

LINE A-2

MC KNIGHT AVE. N.E.

INDIAN SCHOOL RD. N.E.

CANAL

ARVADA AVE. N.E.

CUTLER AVE. N.E.

PROSPECT AVE. N.E.

ACRES

NOTE: ALL MANHOLES TO BE TYPE "B".

PROFILE LINE A

PROFILE LINE A-1

PLAN

PROFILE

SURVEYED ... PLOTTED ... DRAWN ... CHECKED ... NOTE BOOK ... ALIGNMENT CHECKED BY D. M.M. HYDED ... NO. ... STRUCTURES NOT AS SHOWN ON PLAN

DATE ... BY ... STRUCTURES NOT AS SHOWN ON PLAN

08 571 0357 01

58141

59142

ALBUQUERQUE, NEW MEXICO

NORTH BROADWAY STORM SEWER & PUMP STATION

STORM SEWER PLAN & PROFILE

HERKENHOFF & ASSOCIATES CONSULTING ENGINEERS ALBUQUERQUE, NEW MEXICO

SCALE	DATE	DRAWN	SHEET 3
HOR. 1"=100' VERT. 1"=5'	FEB. 4 1956	CHECKED FHS	OF 15

PLATE I—PLAN—PROFILE G.P.R.A.M.I. CHARLEY BRUNING COMPANY INC.

A.T. & S.F. RY.

A.T. & S.F. RY.

M.R.G.C.D. Parcel A Lands of Pete L. Mattucci

MAP 37 Gaspar Garcia

MAP 35 Henry Springer

Gaspar Garcia

Map 37

COMMERCIAL

ST. N.E.

DITCH

BARELAS

RD. N.E.

COMMERCIAL

LINE A-1

DOUBLE "C" INLET

19+29 M.H. JUNCTION BOX

18+39 JCT. BOX TYPE "B"

AVE. N.E.

MC KNIGHT

FRANCISCAN

ACRES

ST. N.E.

INDIAN SCHOOL

MH 2.5+63.

UNDERGROUND TELEPHONE CONDUIT - CONTACT MT. STS. TELEPHONE BEFORE EXCAVATING.

14+19 M.H.

CANAL

M.R.G.C.D.

ARVADA AVE. N.E.

CUTLER AVE. N.E.

PROSPECT AVE. N.E.

BROADWAY

LINE "A-1"

LINE "A"

LINE A2

NOTE: ALL MANHOLES TO BE TYPE "B".

PROFILE-LINE A

PROFILE-LINE A-1

08 571 0357 01

59142

ALBUQUERQUE, NEW MEXICO

NORTH BROADWAY STORM SEWER & PUMP STATION

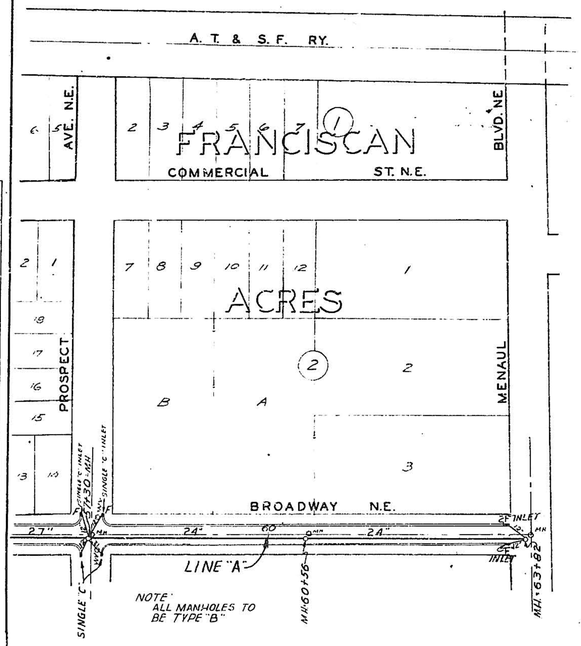
STORM SEWER PLAN & PROFILE

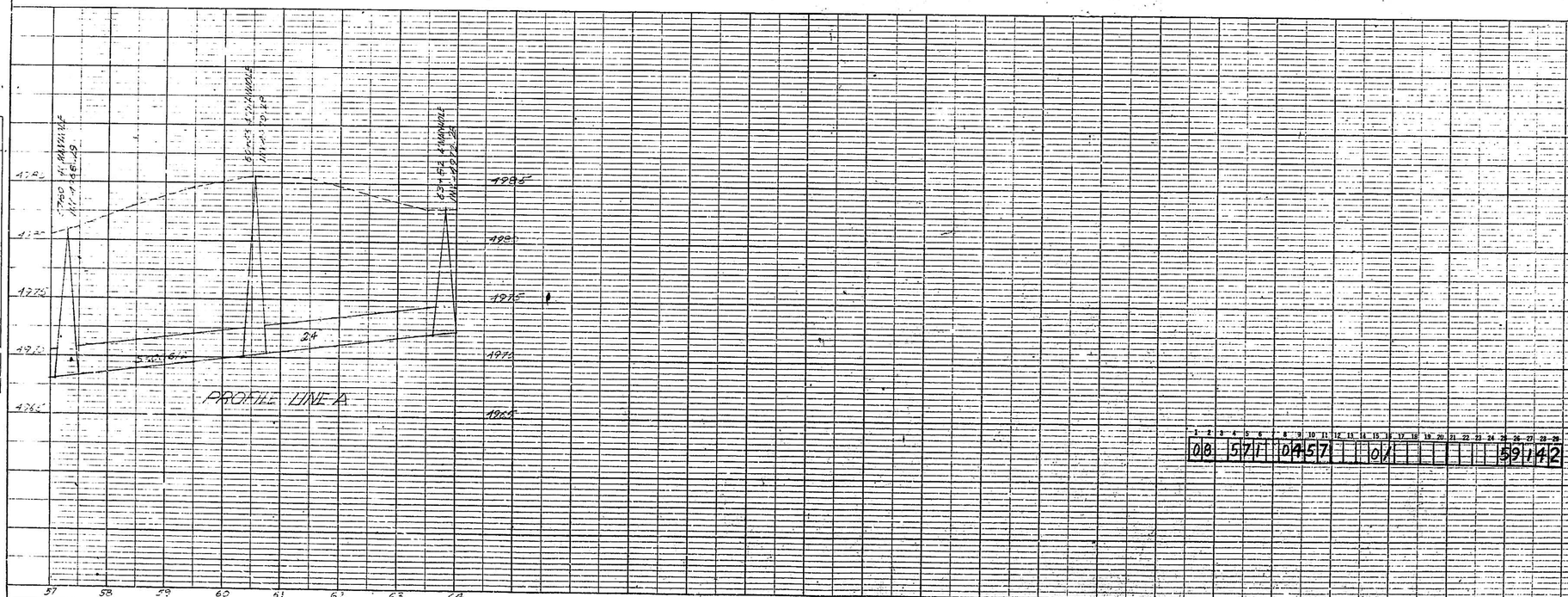
HERKENHOFF & ASSOCIATES CONSULTING ENGINEERS ALBUQUERQUE, NEW MEXICO

SCALE	DATE	DRAWN	SHEET
HOR. 1"=100' VERT. 1"=5'	FEB. 4 1956	CHECKED FNS	5 OF 15

PLAT 1—PLAN—PROFILE O.P. # A.R.E.

CHARLES BRUNING COMPANY INC.





08 571 0457 01 59142

ALBUQUERQUE, NEW MEXICO

NORTH BROADWAY STORM SEWER & PUMP STATION

STORM SEWER

PLAN & PROFILE

HERKENHOFF & ASSOCIATES
CONSULTING ENGINEERS
ALBUQUERQUE, NEW MEXICO

SCALE	DATE	DRAWN	CHECKED	SHEET
HOR 1"=100' VERT 1"=5'	FEB 4 1955		MB	4 OF 15

PLATE 1—PLAN—PROFILE O.F.B. & M. E.
CHARLES BRUNING COMPANY INC

2

BROADWAY

LINE "B"

LINE "B-1"

LINE "B-1"

LINE "B"

LINE "B"

LINE "B"

LINE "B"

MARBLE AVE. N.E.

FRUIT AVE. N.E.

GRAND AVE. N.E.

ROMA AVE. N.E.

LOMAS AVE. N.E.

JOHN ST. N.E.

COMMERCIAL ST. N.E.

MARQUETTE AVE. N.E.

TIJERAS AVE. N.E.

Tr. 297

299A

299B

NOTE: ALL MANHOLES TO BE TYPE "B"

Junction Box 48"

10" Steel Pipe

42" Steel Pipe

F. INLET

SINGLE "C" INLET

4 DOUBLE "C" INLETS

42" INLET

42" Steel

7' INLET

10" Steel Pipe

TYPE A Junction Box

42" Steel Elbo

Concrete Strip, 20' Wide

Fire Hydrant

TYPE "B" Junction Box

36" R.C.P.

UNPAVED

SINGLE "C" INLET

Junction Box TYPE "B"

DOUBLE "C" INLET

7' INLET

Junction Box

36" R.C.P.

84" R.C.P.

SINGLE "C" INLETS

3 SINGLE "C" INLETS

JUNCTION TYPE "B"

1997 Sunset Street Light

1997 Lamps to Poles

1993 Western Light & Tel. Co.

Approx. Location of Property Line

Proposed Commercial

Existing Commercial

PROFILE LINE B

PROFILE LINE E-1

42"

36"

30"

27"

24"

S=.0027

S=.0015

S=.0014

S=.003

S=.005

S=.0041

S=.0031

S=.0026

S=.0023

S=.0021

S=.0018

S=.0017

S=.0016

S=.0015

S=.0014

S=.0013

S=.0012

S=.0011

S=.0010

S=.0009

S=.0008

S=.0007

S=.0006

S=.0005

S=.0004

S=.0003

S=.0002

S=.0001

1960

1955

1950

1945

1940

1935

1930

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27

108	57	4	05	57			07																	58	142			
																										57	141	

PLAN

SURVEYED	
PLOTTED	
ASSUMING DATUM AS SHOWN ON	
NOTE BOOK	
NO.	

PROFILE

SURVEYED	
PLOTTED	
B.M. ASSUMED	
NOTE BOOK	
NO.	

ALBUQUERQUE NEW MEXICO

NORTH BROADWAY STORM SEWERS & PUMP STATION

STORM SEWER

PLAN & PROFILE

HERKENHOFF & ASSOCIATES
CONSULTING ENGINEERS
ALBUQUERQUE NEW MEXICO

SCALE	DATE	DRAWN	SHEET
HOR 1"=100' VERT 1"= 5'	FEB. 4, 1956	CHECKED	OF 15

PLATE 1—PLAN-PROFILE O. P. R. & R. E.
100% RAG PAPER—MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC

BROADWAY

LINE "B"

MARBLE AVE. N.E.

FRUIT AVE. N.E.

ROMA AVE. N.E.

GRAND AVE. N.E.

BROADWAY

LINE "B-1"

LINE "B"

LINE "B"

LOMAS BLVD. N.E.

JOHN ST. N.E.

COMMERCIAL

MARQUETTE N.E.

TIJERAS AVE. N.E.

LINE "B"

LINE "B"

LINE "B"

Tr. 297

299A

299B

NOTE:
ALL MANHOLES TO
BE TYPE "B"

1093 Western Light & Tel. Co.

1376 Lomas & Porter

PROFILE LINE B

PROFILE LINE B-1

PLAN

PROFILE

DATE	
BY	
NOTE BOOK	
NO.	

SURVEY PLOTTED	
ALIGNMENT CHECK	
PLAN APPROVED	

TOP ELEV.	
GRADE ELEV.	
INV. ELEV.	
STA.	

08 57 | 05 57 | 01 | 58 42
57 41

ALBUQUERQUE NEW MEXICO

NORTH BROADWAY STORM SEWERS & PUMP STATION

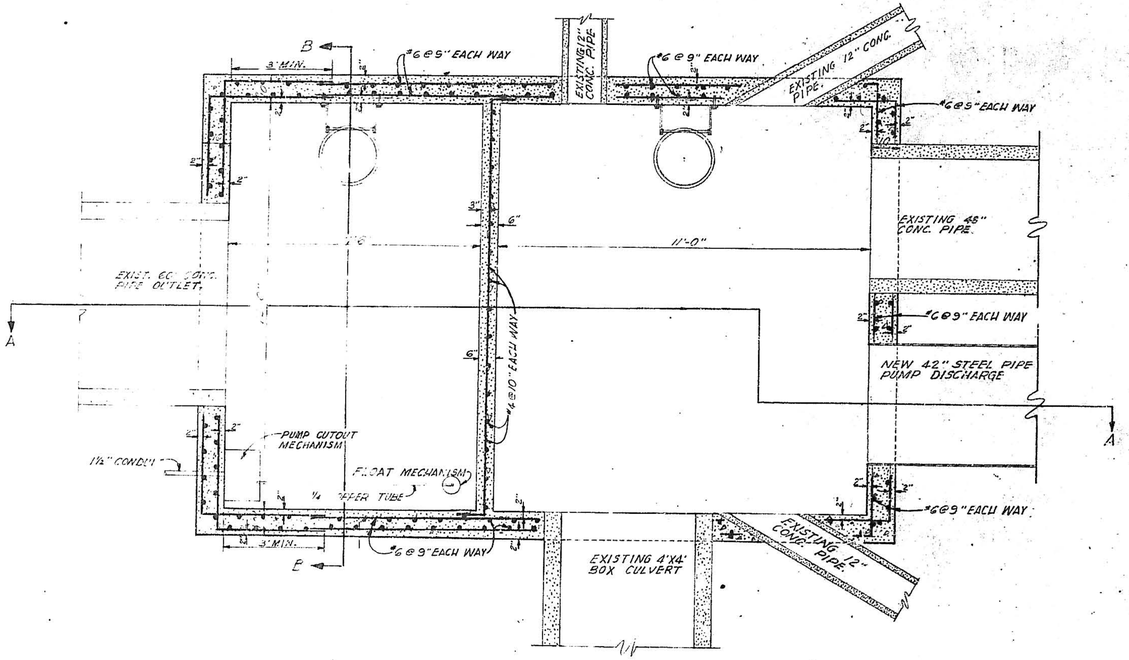
STORM SEWER

PLAN & PROFILE

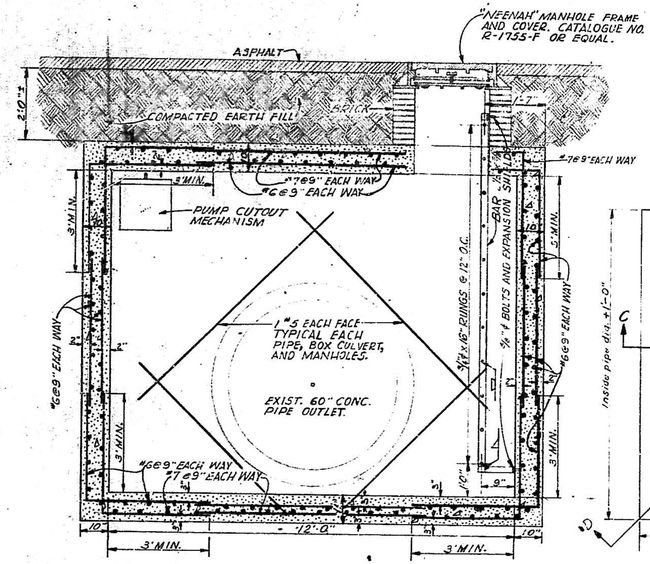
HERKENHOFF & ASSOCIATES
CONSULTING ENGINEERS
ALBUQUERQUE NEW MEXICO

SCALE HOR. 1"=100' VERT. 1"=5'	DATE FEB. 4, 1956	DRAWN CHECKED	SHEET 6 OF 15

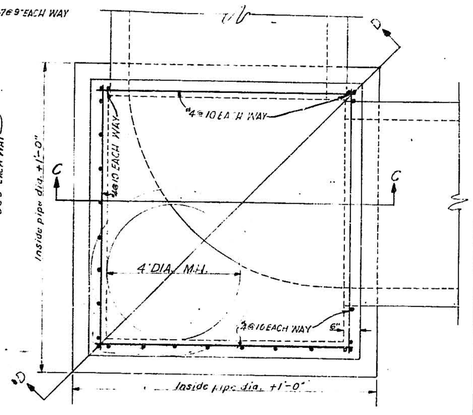
PLATE 1—PLAN—PROFILE O. P. R. & R. E.
100% RAG PAPER—MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC.



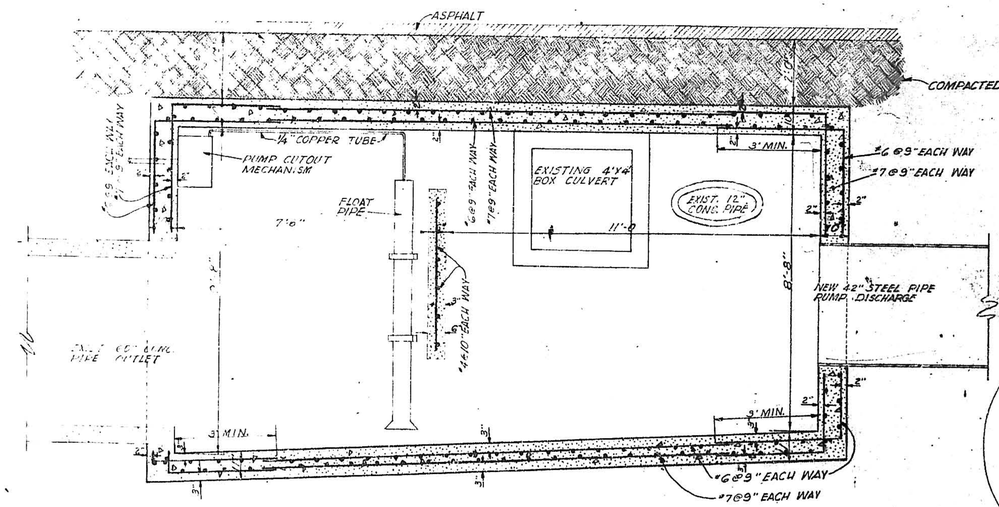
PLAN
13'-8"X20'-8" CONC. JUNCTION BOX
TYPE "A"



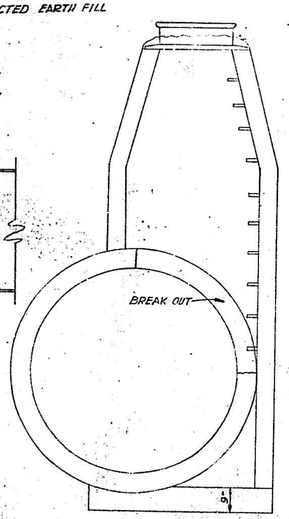
SECTION B-B
TYPE A JUNCTION BOX



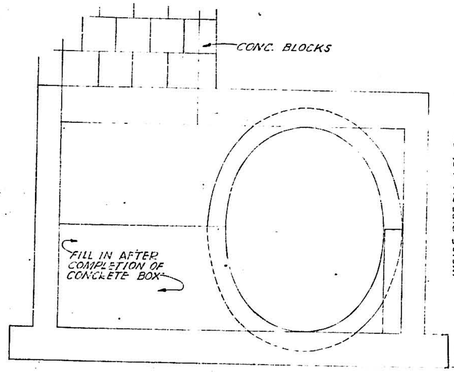
PLAN
8'-2"x8'-2" CONC. JUNCTION BOX
TYPE "B"



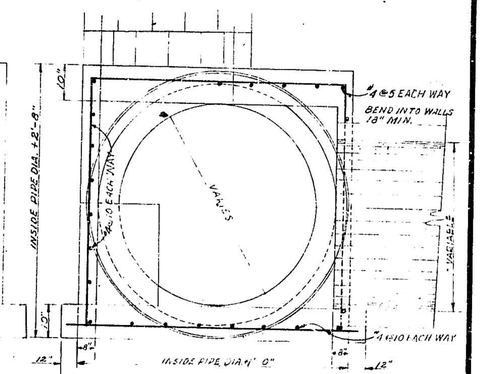
SECTION A-A



MANHOLE
4'DIA.



SECTION D-D



SECTION C-C

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
0	8	5	7	1	0	6	5	7			1	0																

ALBUQUERQUE, NEW MEXICO

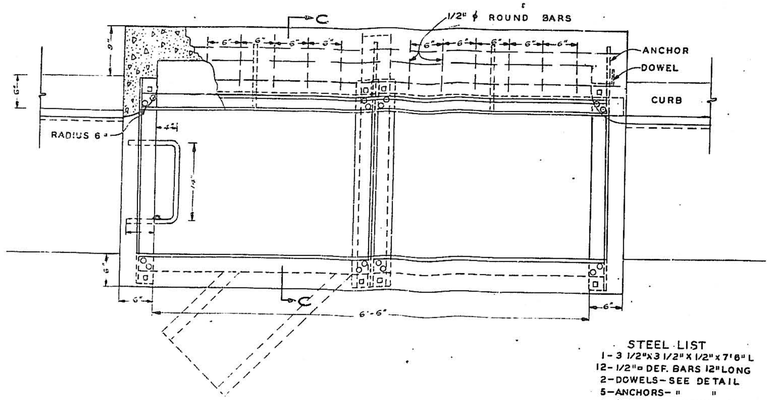
NORTH BROADWAY
STORM SEWER & PUMP STATION

STORM SEWER

JUNCTION BOX DETAILS

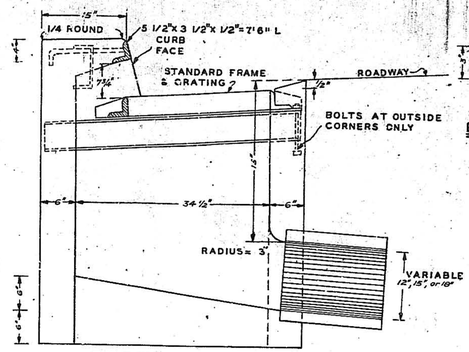
HERKENHOFF & ASSOCIATES
CONSULTING ENGINEERS
ALBUQUERQUE, NEW MEXICO

SCALE	DATE	DRAWN	SHEET
½" = 1'-0"	FEB. 4 1956	CHECKED	OF 15

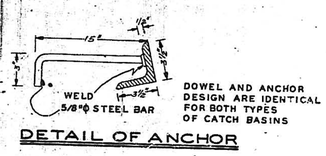


STEEL LIST
1-3 1/2"x3 1/2"x 1/2"x 7'6" L
12-1/2"ϕ DEF. BARS 12" LONG
2-DOWELS-SEE DETAIL
5-ANCHORS- " "
1-STEP-3/4" ROUND-SEE PLAN

PLAN
DOUBLE GRATE STANDARD CATCH BASIN-TYPE C
SCALE 1"=1'-0"



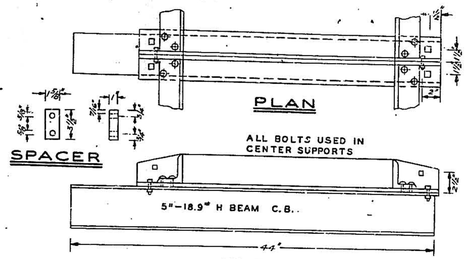
SECTION C-C
[TYPE C]



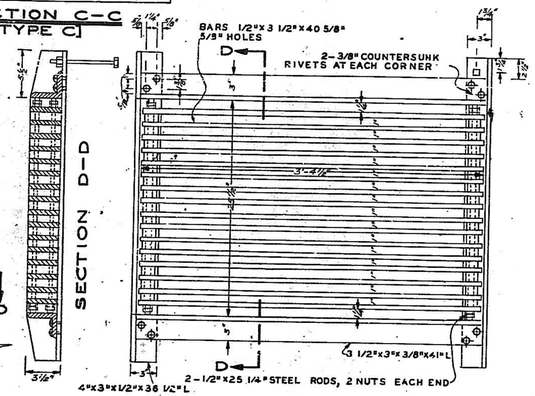
DOWEL AND ANCHOR DESIGN ARE IDENTICAL FOR BOTH TYPES OF CATCH BASINS

DETAIL OF ANCHOR

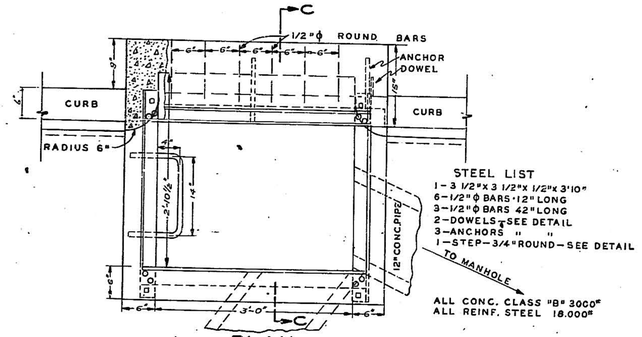
DETAIL OF DOWEL
TO BE USED WHEN TOP IS POURED SEPARATE



ELEVATION
CENTER SUPPORT ASSEMBLY



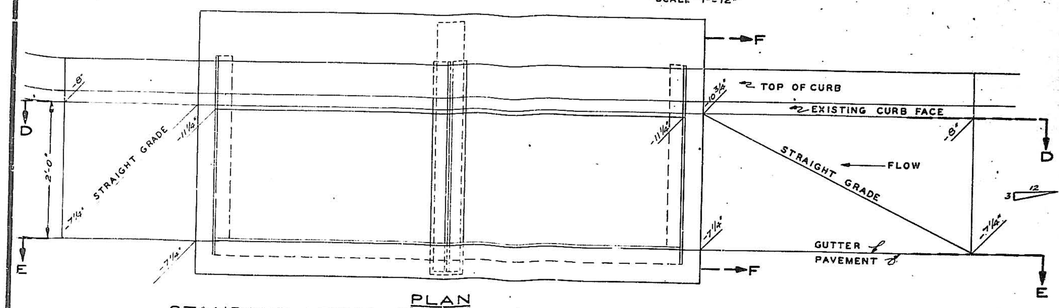
PLAN
STANDARD FRAME AND GRATING
SCALE 1/8"=1"



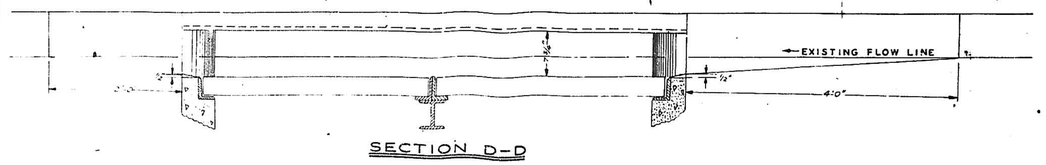
STEEL LIST
1-3 1/2"x 3 1/2"x 1/2"x 3'10"
6-1/2"ϕ BARS-12" LONG
3-1/2"ϕ BARS 42" LONG
2-DOWELS-SEE DETAIL
3-ANCHORS " "
1-STEP-3/4" ROUND-SEE DETAIL

ALL CONC. CLASS "B" 3000#
ALL REINF. STEEL 18.000#

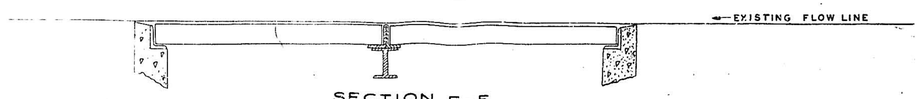
PLAN
SINGLE GRATE INLET & CATCH BASIN-TYPE "C"-ONE HALF STANDARD SIZE
SCALE: 1 INCH= 1 FOOT



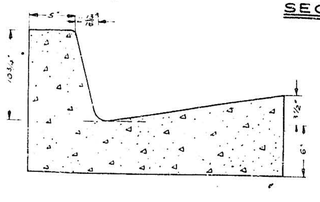
PLAN
STANDARD LOCAL DEPRESSIONS FOR CATCH BASINS
TYPES A,B AND C&C-1



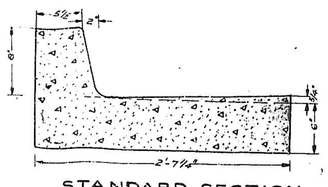
SECTION D-D



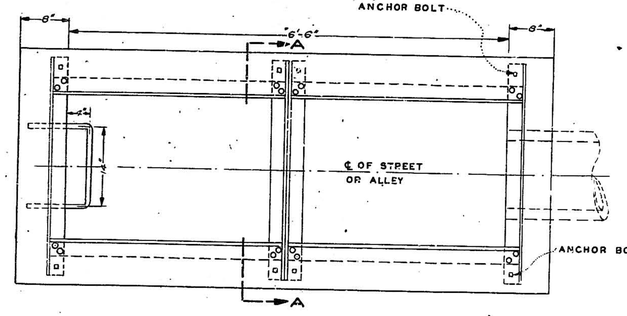
SECTION E-E



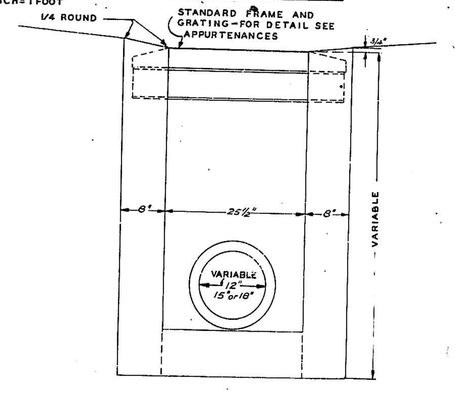
SECTION F-F



STANDARD SECTION
CURB AND GUTTER



PLAN
STANDARD CATCH BASIN TYPE-D



SECTION A-A
TYPE-D

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29			
0 8 | 5 7 1 | 0 7 5 7 |		1 0	

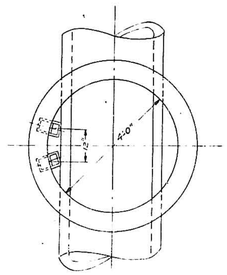
ALBUQUERQUE, NEW MEXICO

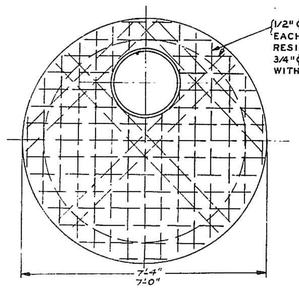
STORM SEWER STANDARDS

CATCH BASIN DETAILS

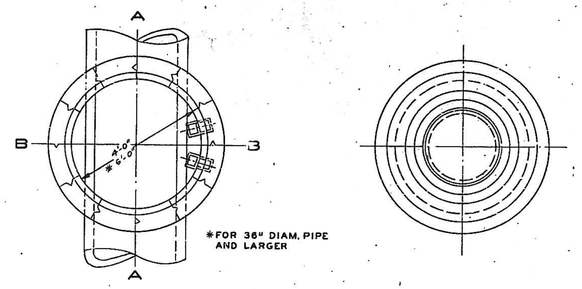
HERKENHOFF & CONSULTING ENGINEERS
SANTA FE ALBUQUERQUE

SCALE	DATE	DRAWN	SHEET
AS SHOWN	FEB. 1, 1956	CHECKED	16

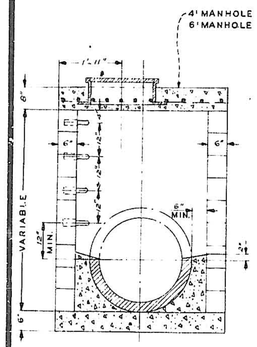




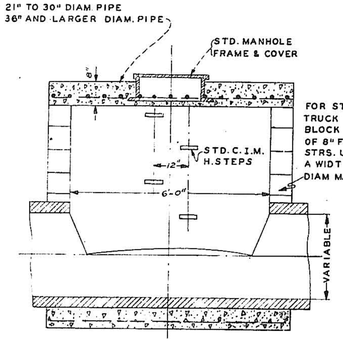
PRECAST CONC. COVER



SECTION PLAN

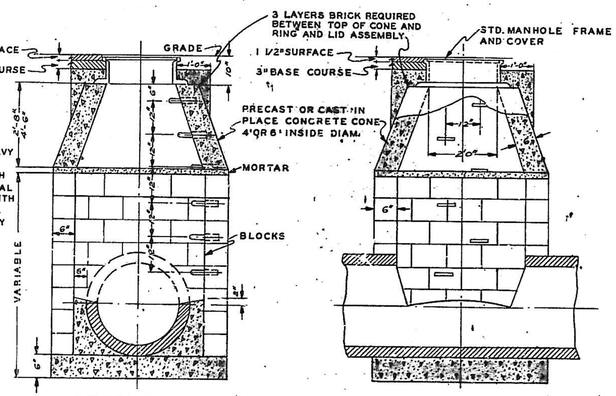


SECT. 4 FOOT M.H.



SECT. 6 FOOT M.H.

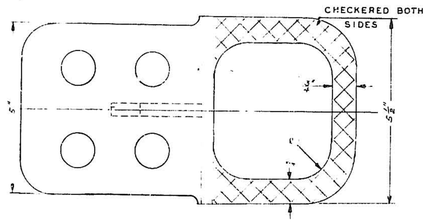
STANDARD STORM SEWER MANHOLE TYPE "A"



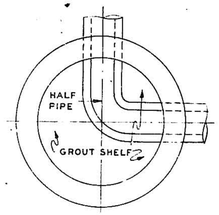
SECTION B-B

SECTION A-A

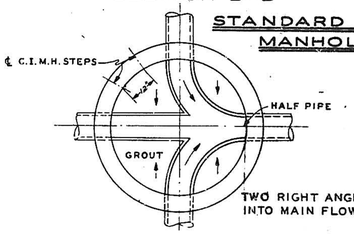
STANDARD STORM SEWER MANHOLE TYPE "B"



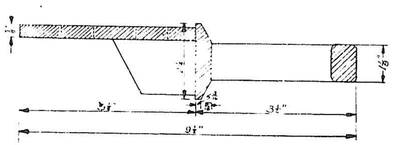
STANDARD MANHOLE STEP

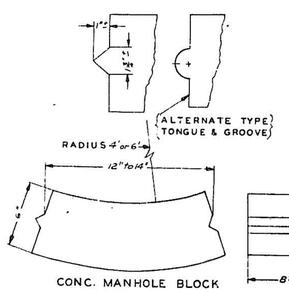


RIGHT ANGLE ENTRY AND EXIT TYPE "B" MANHOLE



TWO RIGHT ANGLE ENTRANCES INTO MAIN FLOW TYPE "B" M.H.

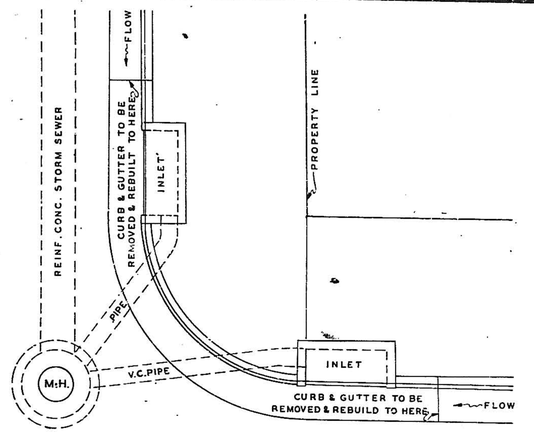




CONC. MANHOLE BLOCK LOCK JOINT

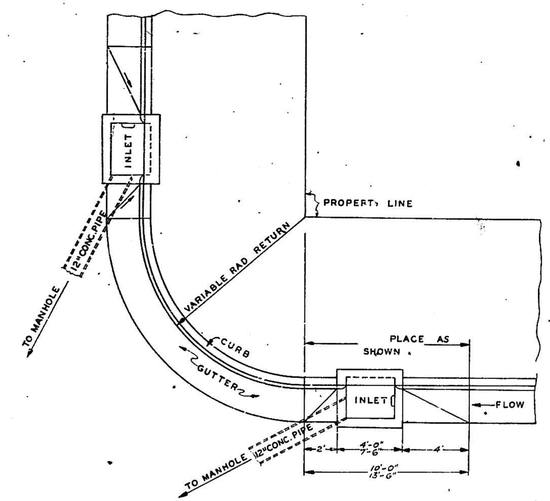
MANHOLE SPECIFICATIONS:

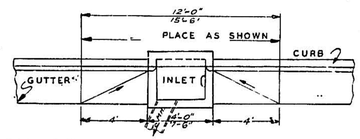
THE CONTRACTOR HAS THE OPTION OF BUILDING THE MASONRY WALLS OF ALL MANHOLES OF SOLID CONCRETE OR BLOCK. IF SOLID CONCRETE IS USED, THE WALLS MUST HAVE A THICKNESS OF NOT LESS THAN SIX INCHES. BLOCK FOR SIX INCH WALLS MUST HAVE A THICKNESS OF NOT LESS THAN EIGHT-8"-INCHES, AND A WIDTH OF NOT LESS THAN SIX-6"-INCHES, A LENGTH OF TWELVE-12"-TO FOURTEEN-14"-INCHES AND SHALL BE LOCK JOINT TYPE. THE CONCRETE FROM WHICH SUCH BLOCKS ARE CONSTRUCTED SHALL MEET THE SPECIFICATIONS FOR THIS PROJECT. TYPE OF BLOCK MUST BE APPROVED BY THE ENGINEER AND EACH BLOCK SHALL BE MOLDED WITH A CURVATURE EQUAL TO AND MATCHING EXACTLY THAT AT THE MANHOLE BEING BUILT. ALL CONCRETE BLOCKS SHALL CONFORM IN ALL RESPECTS TO THE STANDARD SPECIFICATIONS FOR "CONC. MASONRY UNITS FOR CONSTRUCTION OF CATCH BASIN & MANHOLES" A.S.T.M. DESIGNATION C-139-39 OR ANY SUBSEQUENT REVISIONS THEREOF. CONES MAY BE POURED IN PLACE, OR PRECAST AND THEN GROUTED TO MANHOLE BARREL. ALL MANHOLE FRAMES, COVERS AND STEPS TO BE STANDARD CAST IRON AS SHOWN. IN WET SEWER CONSTRUCTION MANHOLE BARRELS SHALL BE CONSTRUCTED OF POURED CONC. TO A PRE-DETERMINED ELEVATION AS SHOWN ON PLAN & PROFILE SHEETS. REMAINDER OF BARREL MAY BE CONSTRUCTED OF CURVED CONC. BLOCK SET IN WATER PROOF MORTAR.



LOCATION OF INLETS IN STREET TYPE "A"

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





LOCATION OF TYPE "C" & "C-1" INLET IN STREET TANGENT

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29

0 8 5 7 1 0 8 5 7 1 0 .

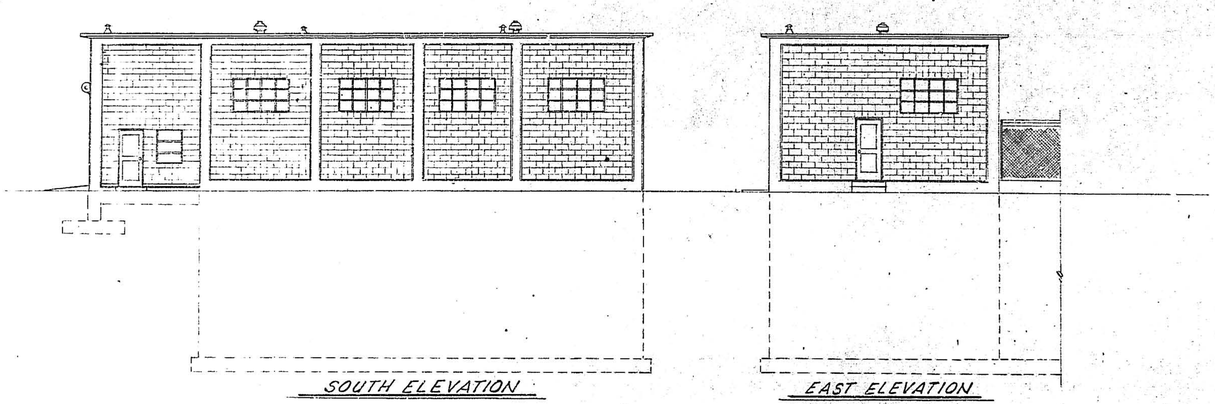
ALBUQUERQUE, NEW MEXICO

STORM SEWER STANDARDS

MANHOLE DETAILS

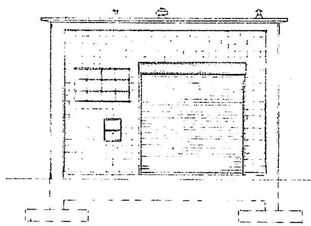
HERKENHOFF & ASSOCIATES
CONSULTING ENGINEERS
SANTA FE ALBUQUERQUE

SCALE	DATE	DRAWN	SHEET 8
AS SHOWN	FEB. 4 1956	CHECKED	OF 15

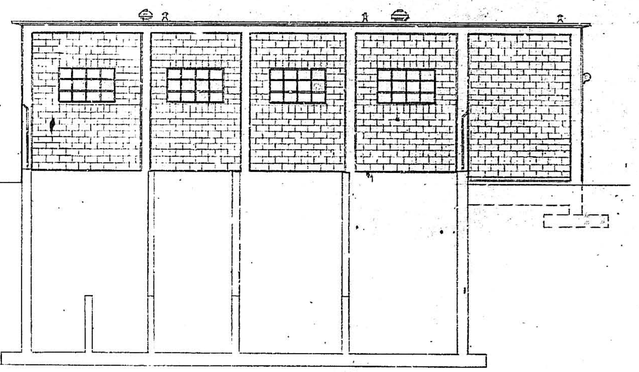


SOUTH ELEVATION

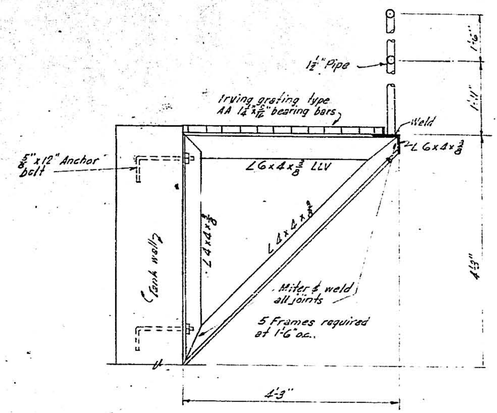
EAST ELEVATION



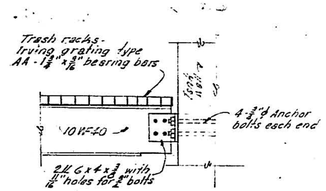
WEST ELEVATION



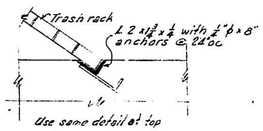
NORTH ELEVATION



FLOAT AND PUMP PLATFORM SUPPORT FRAME

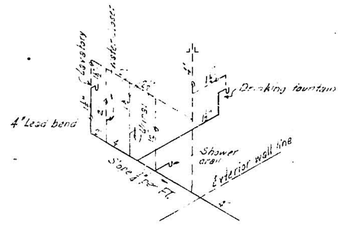


SUPPORT DETAIL

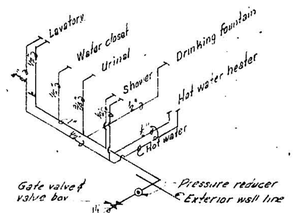


FLOOR DETAIL

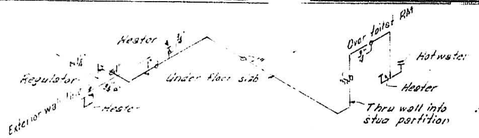
TRASH RACK DETAIL



WASTE - SCHEMATIC DIAGRAM



WATER - SCHEMATIC DIAGRAM



GAS - SCHEMATIC DIAGRAM

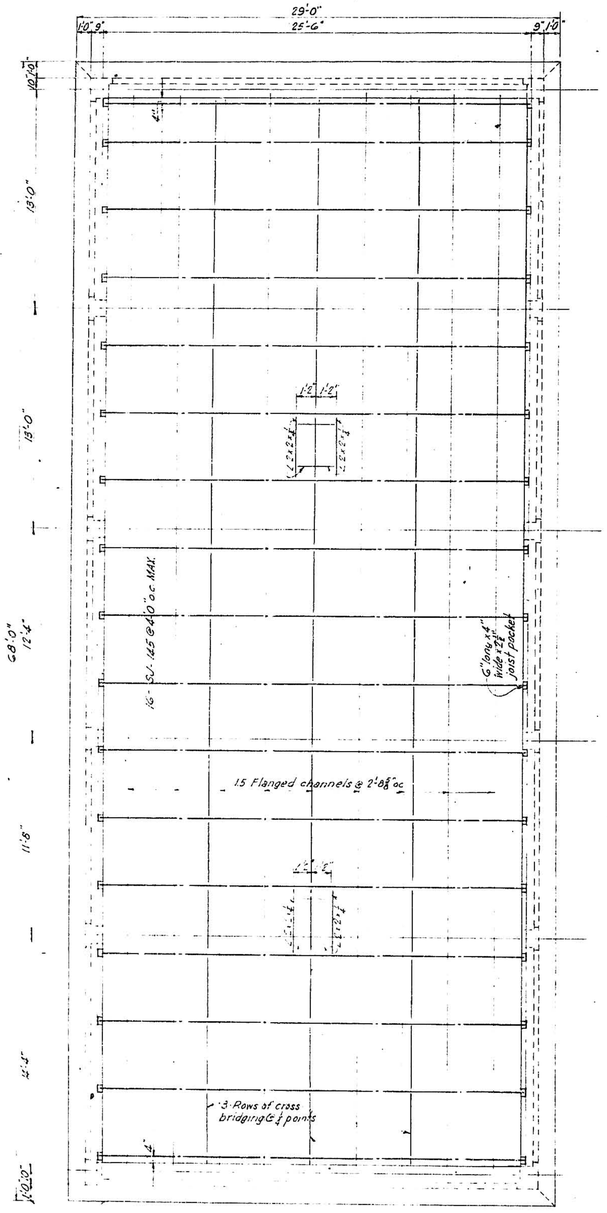
ALBUQUERQUE, NEW MEXICO

NORTH BROADWAY
STORM SEWER & PUMP STATION

PUMP STATION
ELEVATION & DETAILS

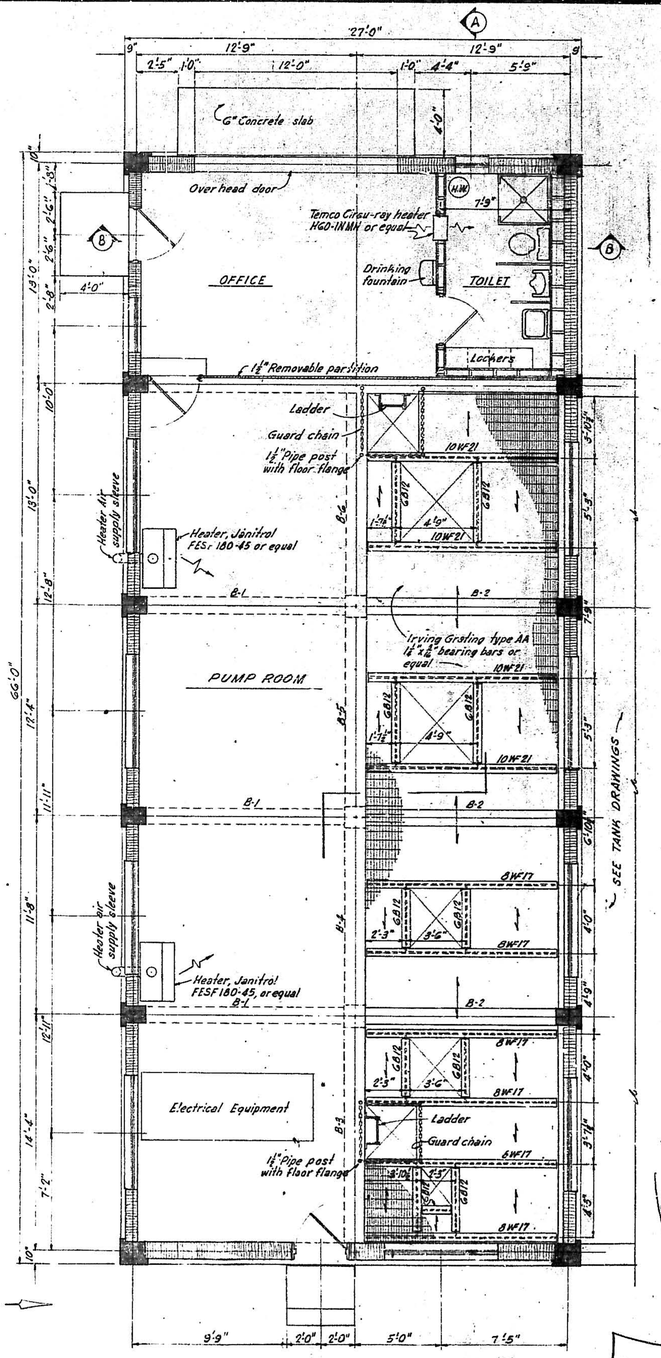
HERKENHOFF & ASSOCIATES
CONSULTING ENGINEERS
ALBUQUERQUE, NEW MEXICO

SCALE	DATE	DRAWN	SHEET 9
AS SHOWN	FEB. 4 1958	CHECKED JAV	OF 15



ROOF FRAMING PLAN

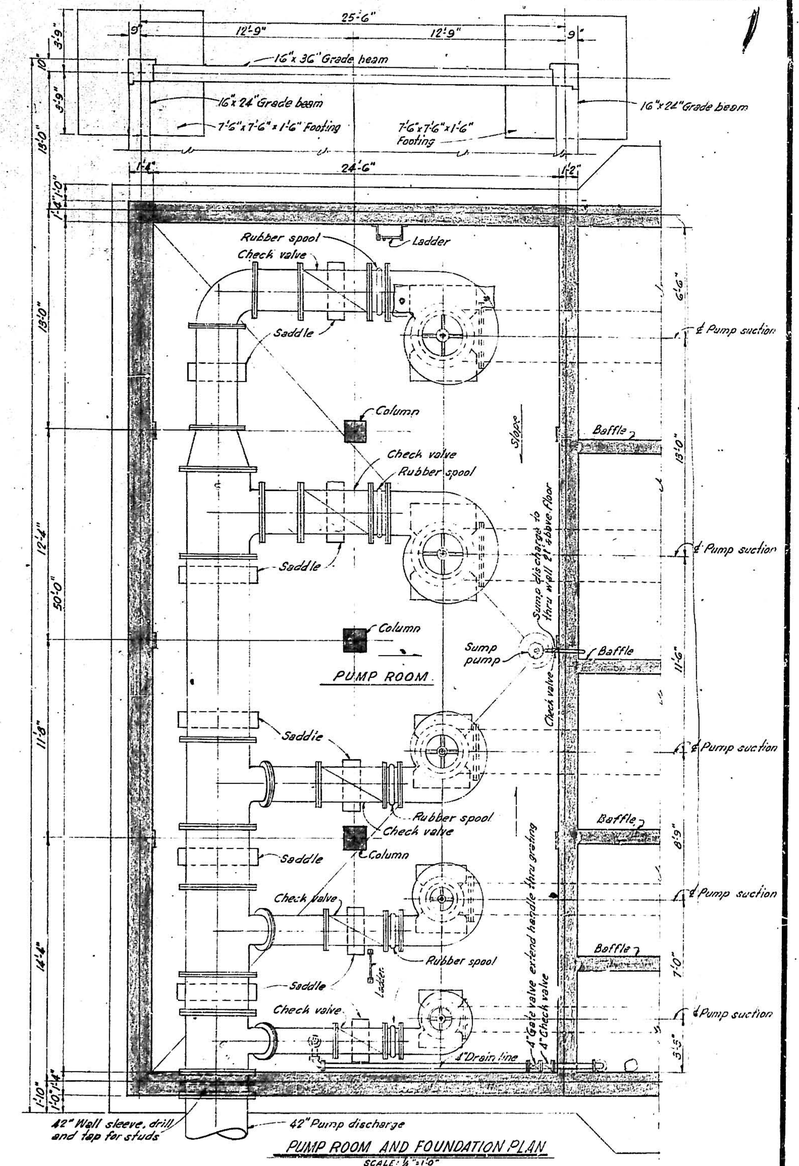
SCALE: ¼"=1'-0"



FLOOR AND FLOOR FRAMING PLAN

SCALE: ¼"=1'-0"

A



PUMP ROOM AND FOUNDATION PLAN

SCALE: ¼"=1'-0"

ALBUQUERQUE, NEW MEXICO

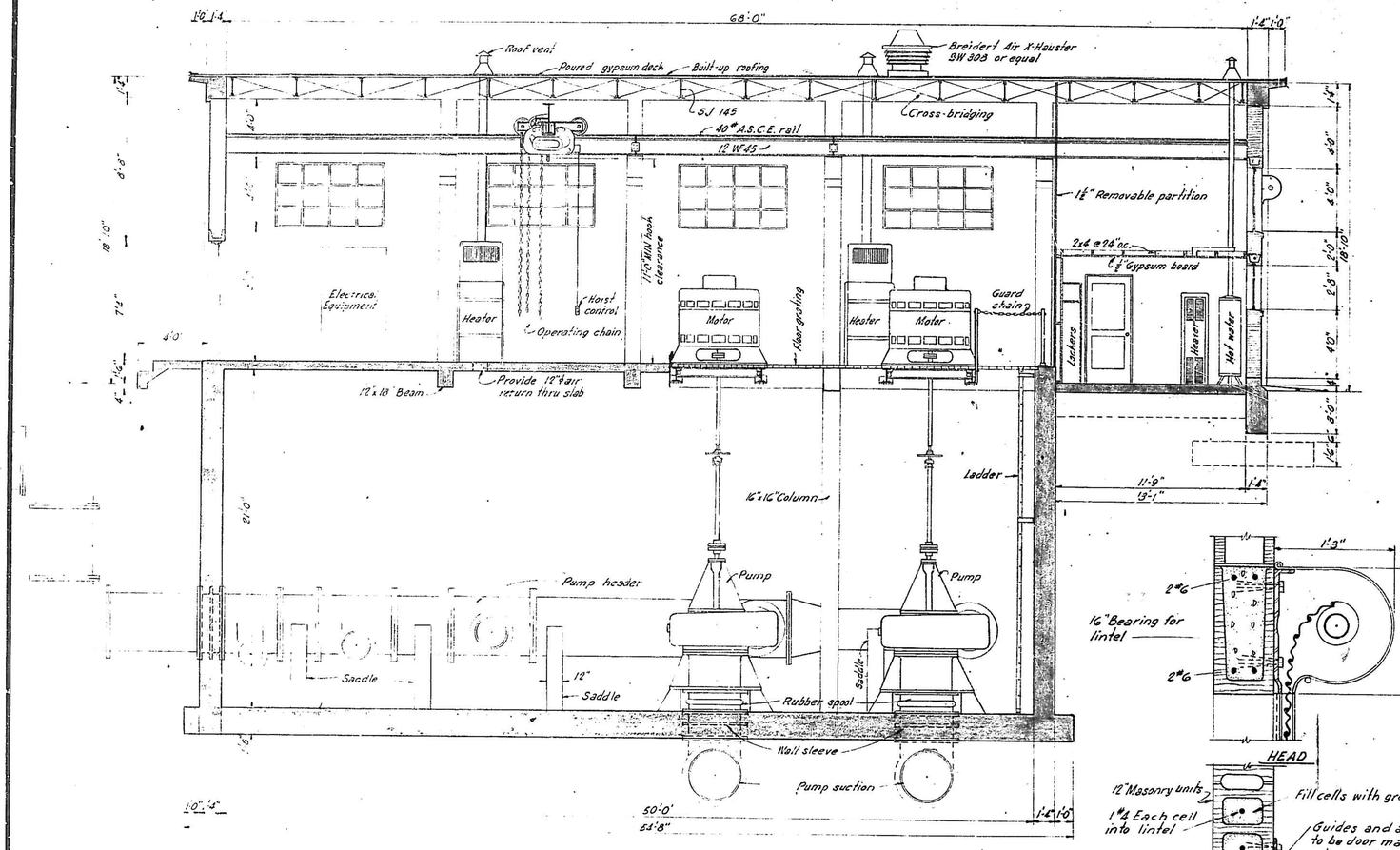
NORTH BROADWAY

STORM SEWER & PUMP STATION

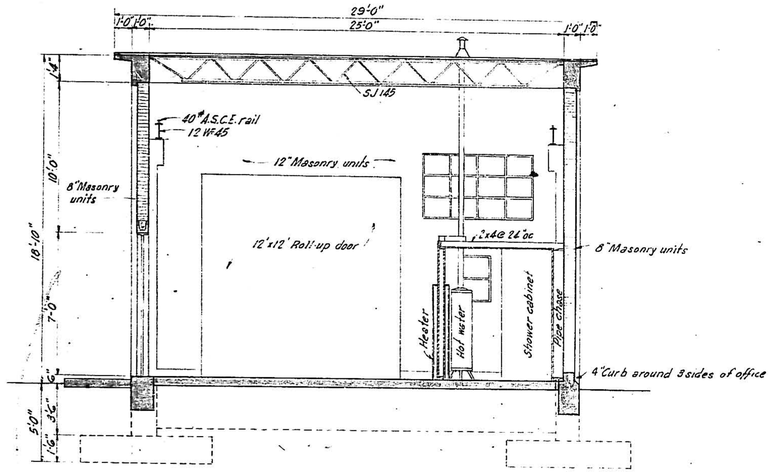
PUMP STATION
ROOF FLOOR & FOUNDATION PLAN

HERKENHOFF & ASSOCIATES
CONSULTING ENGINEERS
ALBUQUERQUE, NEW MEXICO

SCALE	DATE	DRAWN - CHECKED	SHEET
AS SHOWN	FEB 4. 1956	PH	10 OF 15



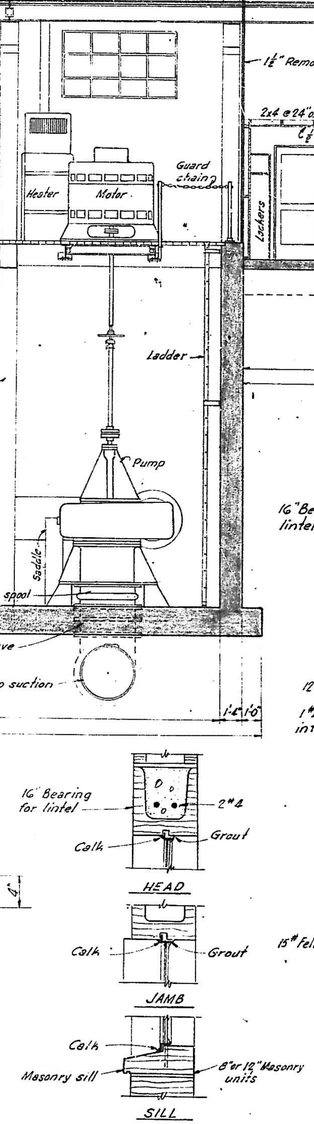
SECTION A-A
SCALE ¼"=1'-0"



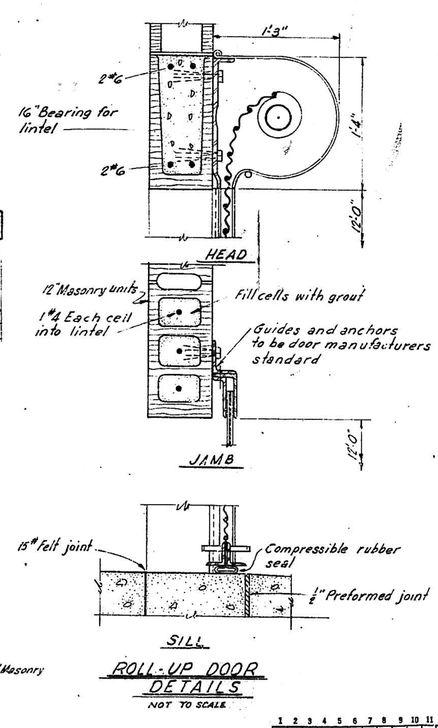
SECTION B-B
SCALE ¼"=1'-0"

WASTE VENT FLASHING DETAIL
SCALE 3"=1'-0"

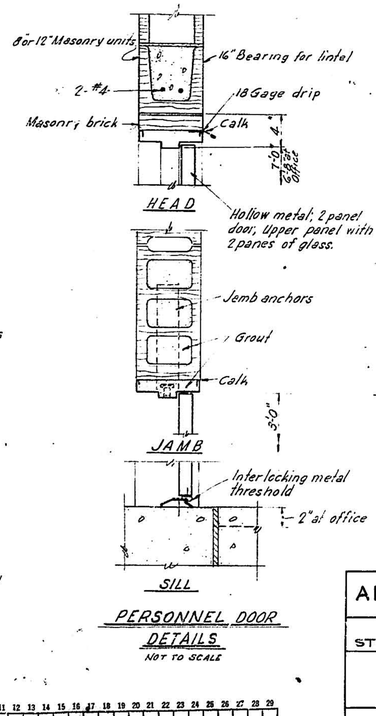
CURB FOR AIR X-HAUSTER
SCALE ½"=1'-0"



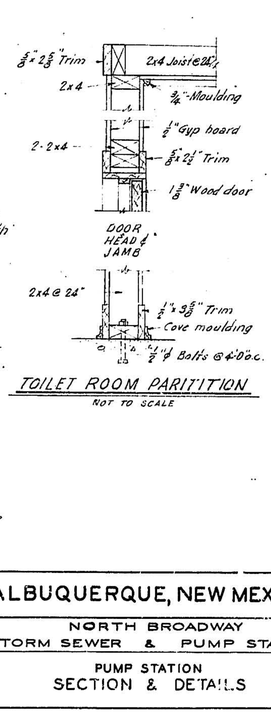
WINDOW DETAILS
SCALE 1½"=1'-0"



ROLL-UP DOOR DETAILS
NOT TO SCALE



PERSONNEL DOOR DETAILS
NOT TO SCALE



TOILET ROOM PARTITION
NOT TO SCALE

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29
08 571 1157 08

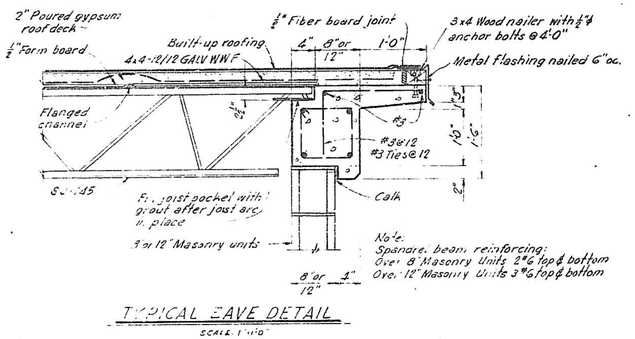
ALBUQUERQUE, NEW MEXICO

NORTH BROADWAY
STORM SEWER & PUMP STATION

PUMP STATION
SECTION & DETAILS

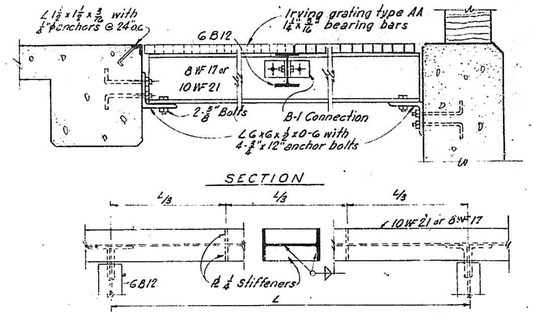
HERKENHOFF & ASSOCIATES
CONSULTING ENGINEERS
ALBUQUERQUE, NEW MEXICO

SCALE	DATE	DRAWN / CHECKED	SHEET
AS SHOWN	FEB. 4.1956	[illegible]	11 OF 15



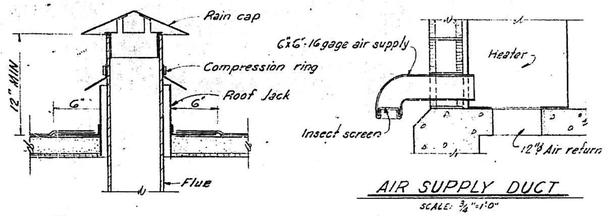
TYPICAL EAVE DETAIL

SCALE: 1"=1'-0"



MOTOR SUPPORT FRAMING

SCALE: 1"=1'-0"

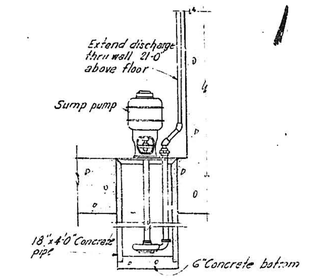


FLUE FLASHING

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

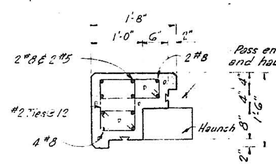
AIR SUPPLY DUCT

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

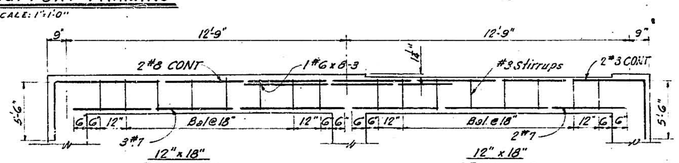


SUMP DETAILS

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

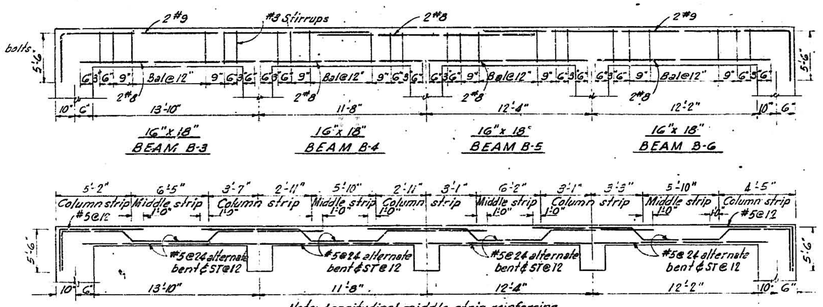


Pass end of crane beam and haunch with 4" masonry units



12" x 18" BEAM B-1

12" x 18" BEAM B-2



16" x 18" BEAM B-3

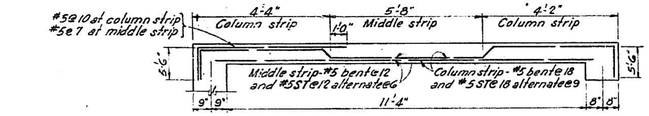
16" x 18" BEAM B-4

16" x 18" BEAM B-5

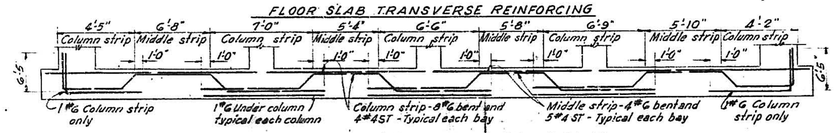
16" x 18" BEAM B-6

Note: Longitudinal middle strip reinforcing to be #5 bent @ 16 and #5 straight @ 16" alternated @ 8. Column strip as shown.

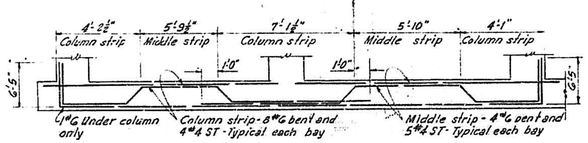
FLOOR SLAB LONGITUDINAL REINFORCING



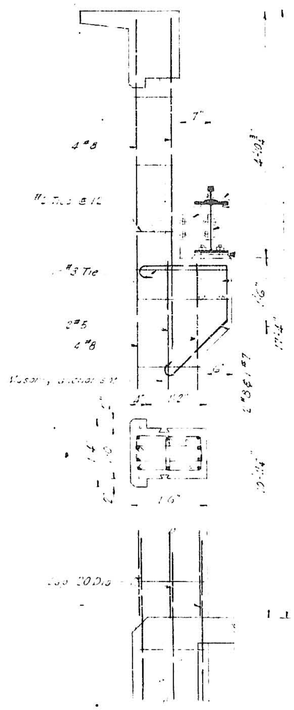
FLOOR SLAB TRANSVERSE REINFORCING



FOUNDATION SLAB LONGITUDINAL REINFORCING



FOUNDATION SLAB TRANSVERSE REINFORCING



SIDE COLUMN

2 3/8" Hook bolts, 3" between pairs @ 2'-0" oc.

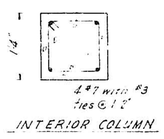
PC G 14" 20 w/ 2 3/8" anchor bolts

2 G x 1/4 x 10-8 with 4-3/8" bolts

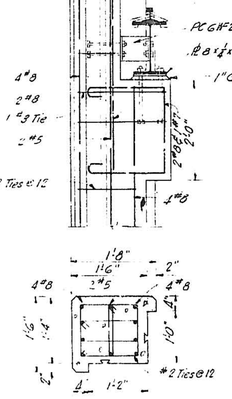
PL 8 x 1/2 x 0'-11 1/2

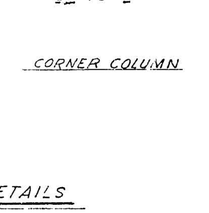
1" Grout

4-3/8" x 12" Anchor bolts



INTERIOR COLUMN

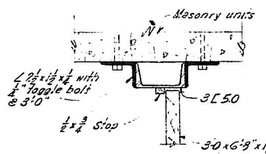




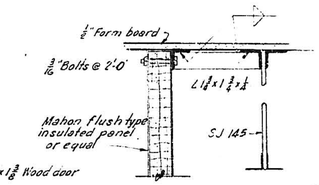
CORNER COLUMN

TYPICAL COLUMN DETAILS

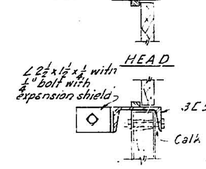
SCALE 1/4"=1'-0"



JAMB

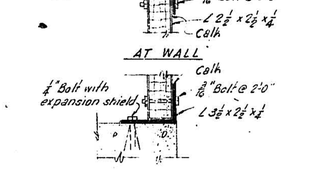


AT CEILING



HEAD

JAMB

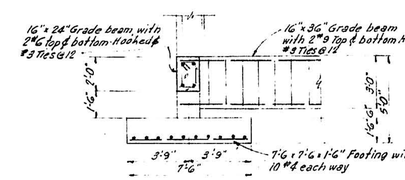


AT WALL

AT FLOOR

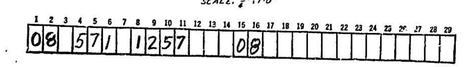
REMOVABLE PARTITION DETAILS

SCALE: 3"=1'-0"



FOOTING FOR CORNER COLUMN

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



ALBUQUERQUE NEW MEXICO

NORTH BROADWAY
STORM SEWER & PUMP STATION

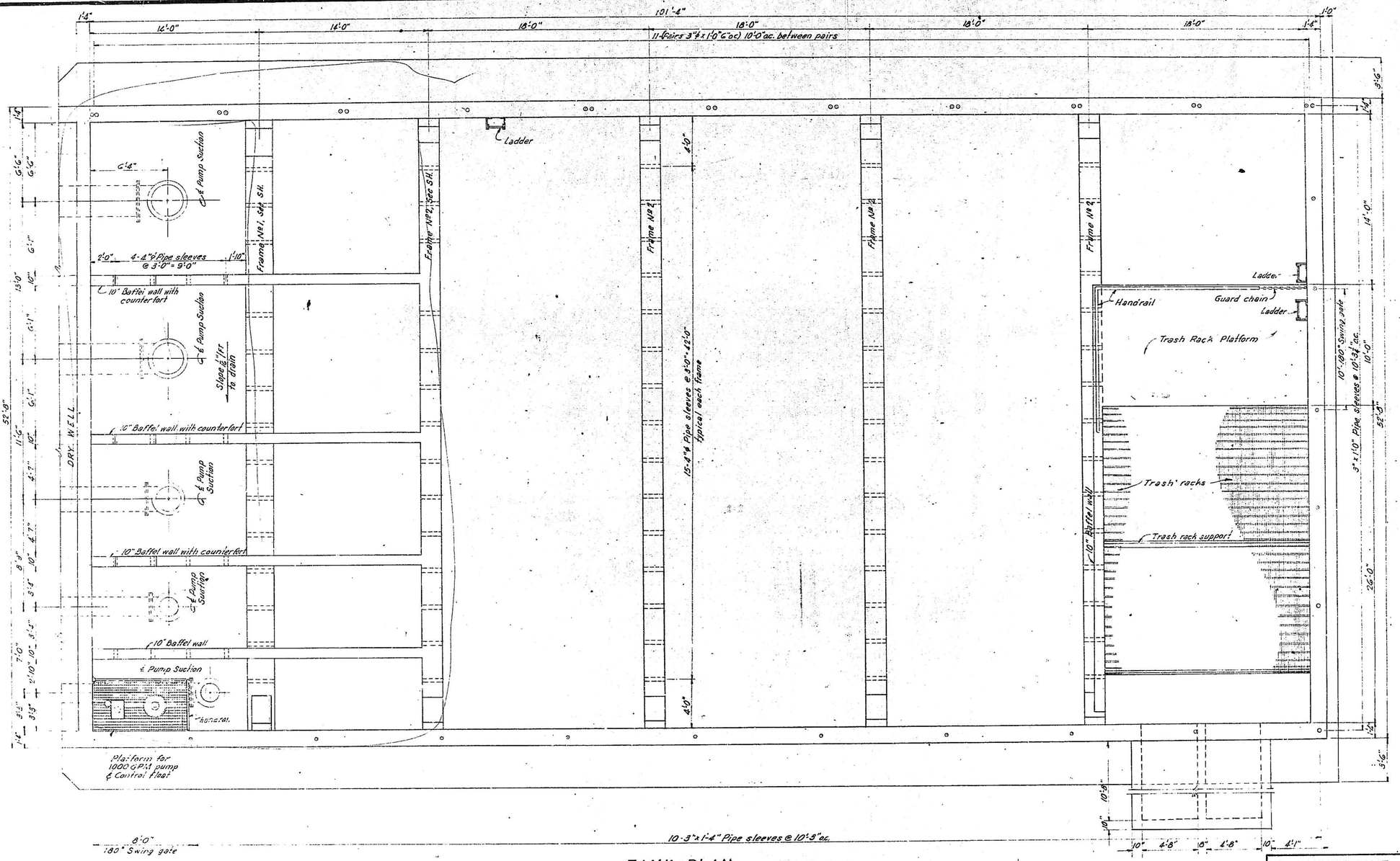
PUMP STATION

SECTIONS & DETAILS

HERKENHOFF & ASSOCIATES
CONSULTING ENGINEERS
ALBUQUERQUE, NEW MEXICO

SCALE	DATE	DRAWN	CHECKED	SHEET
AS SHOWN	FEB. 4 1956			12 OF 16

1

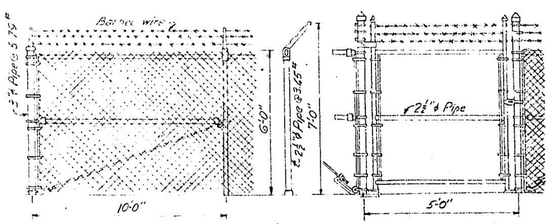


TANK PLAN

SCALE: ⅛"=1'0"

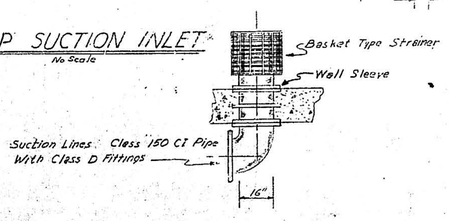
FENCE DETAILS

No Scale



PUMP SUCTION INLET

No Scale



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0	8	5	7	1		1	3	5	7			0	8															

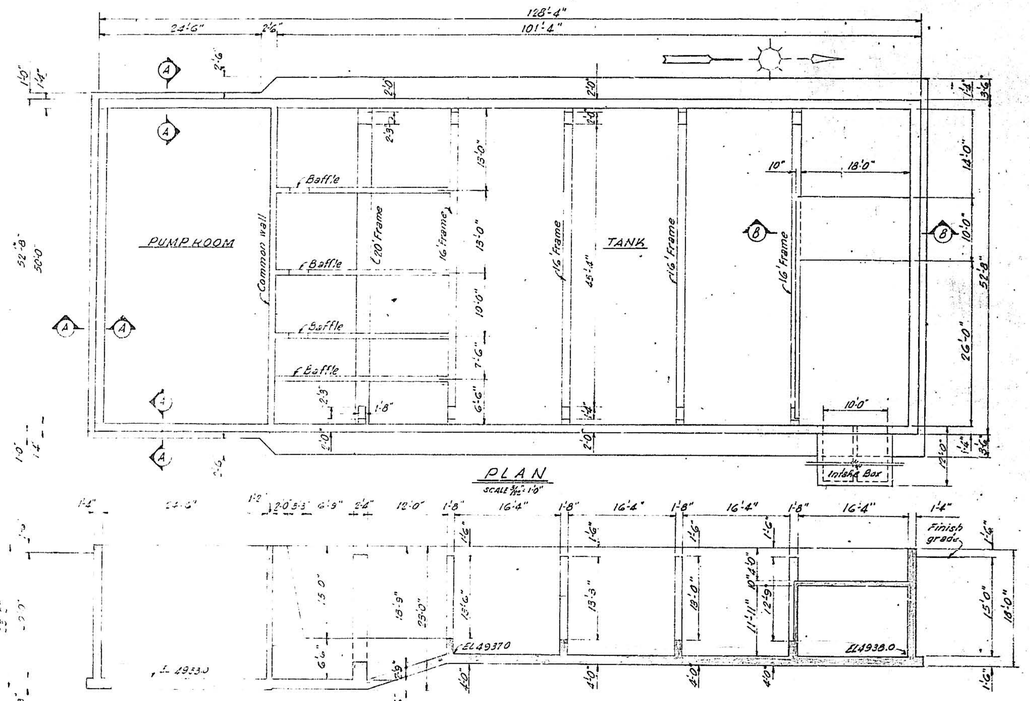
ALBUQUERQUE, NEW MEXICO

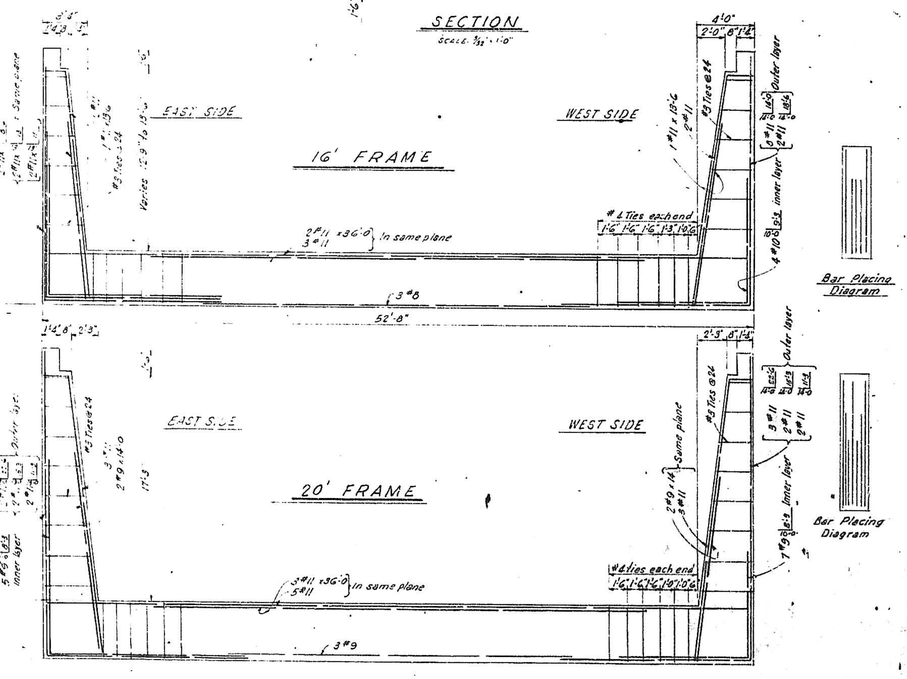
NORTH BROADWAY
STORM SEWER & PUMP STATION

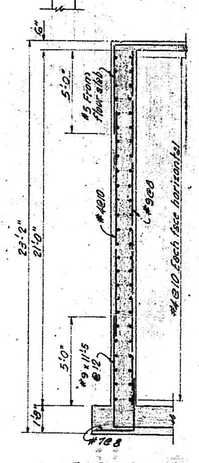
PUMP STATION
TANK PLAN

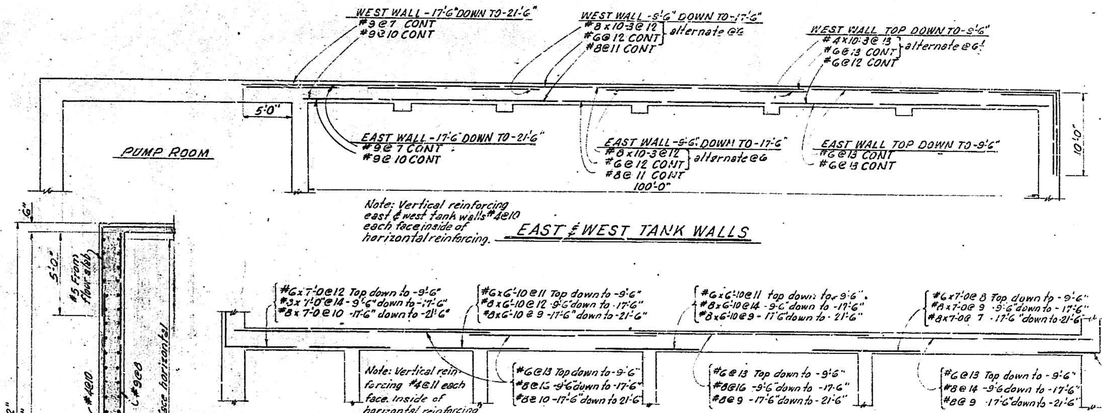
HERKENHOFF & ASSOCIATES
CONSULTING ENGINEERS
ALBUQUERQUE, NEW MEXICO

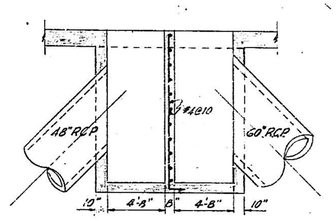
SCALE	DATE	DRAWN	SHEET
AS SHOWN	FEB 4 1956	CHECKED	OF 15

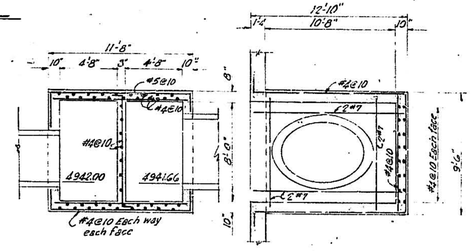




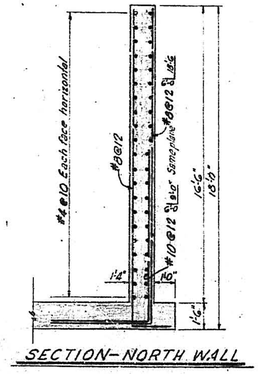




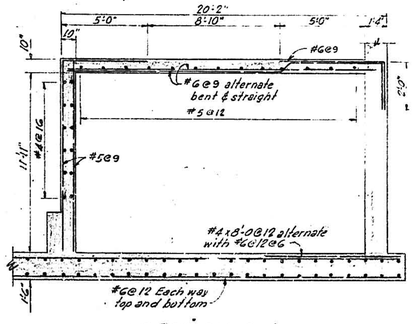




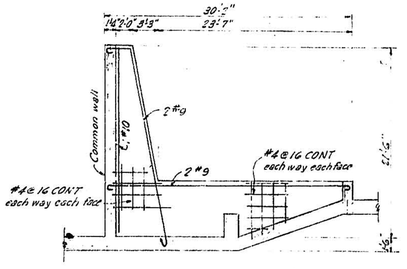
INTAKE BOX DETAILS



SECTION–NORTH WALL

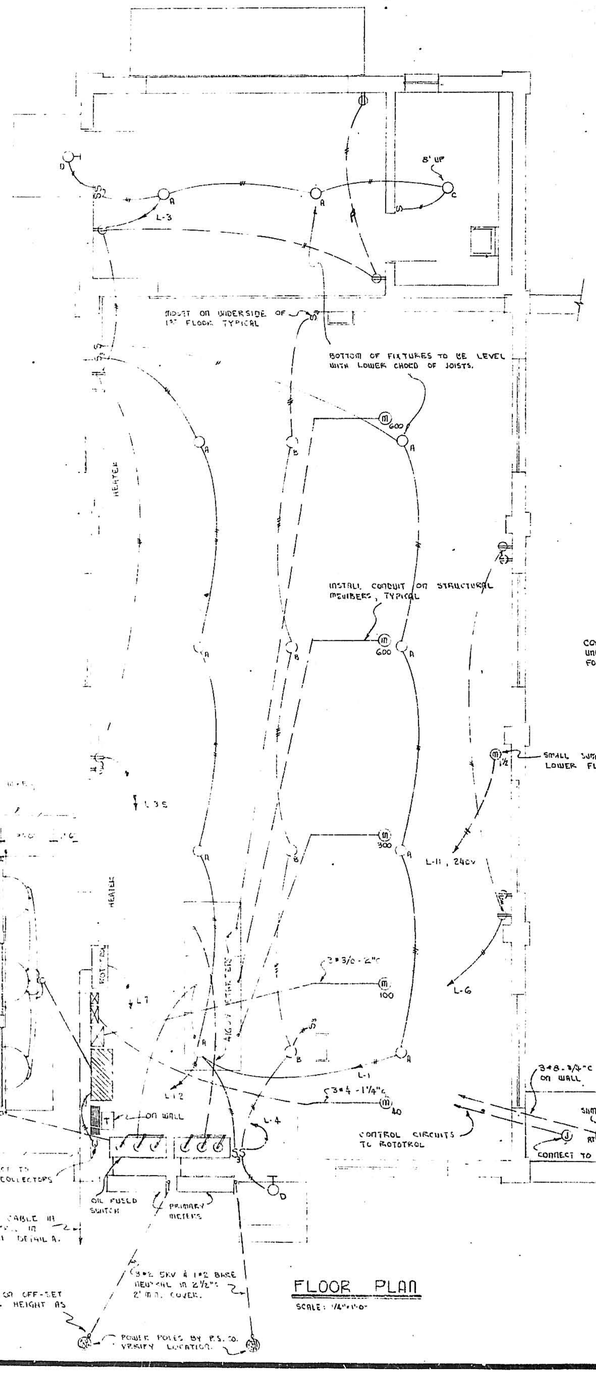


SECTION B-B



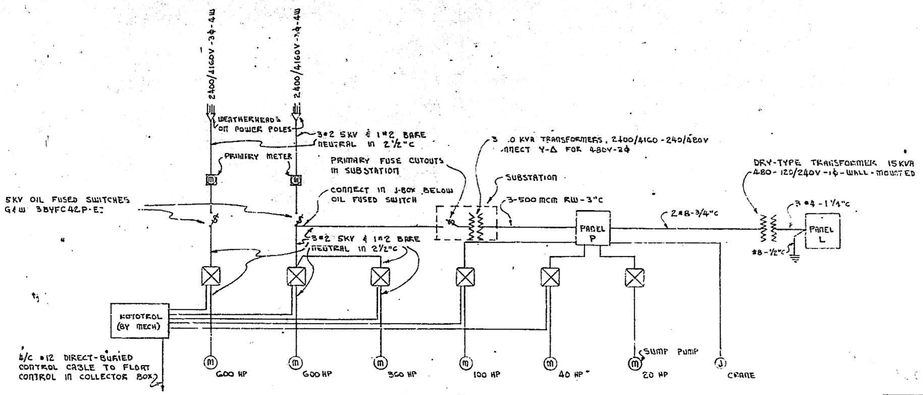
Cover on reinforcing: Tank walls, frames, and floor slab to be 3" clear. Counterfort, baffle & intake orifice face of comm on wall 3" clear. Base for 5" top & side. Cover on all reinforcing for buoyancy as recommended by A.C.I code.

| | | |



FLOOR PLAN

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

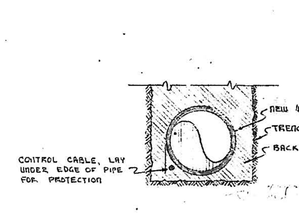


RISER DIAGRAM

NO SCALE

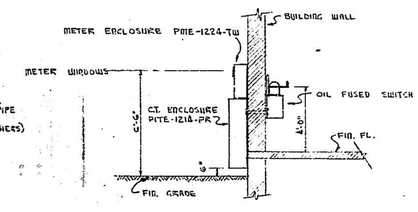
PANEL P		
FRAME	FUSE	LOAD
200A3P	150A	100 HP PUMP
100A3P	60A	40 HP PUMP
60A3P	30A	20 HP PUMP
60A2P	35A	PANEL L
30A3P	20A	CRANE
480V-3Ø-4Ø, FUSIBLE, 400A MAINS, 400A3P MAIN SWITCH FUSED 350A, SURFACE, BOTTOM LUGS		

PANEL L
10 - 20A1P
1 - 20A2P
120/240V-3Ø-4Ø CIRCUITBREAKER TYPE 100A MAINS, LUGS ONLY, SURFACE



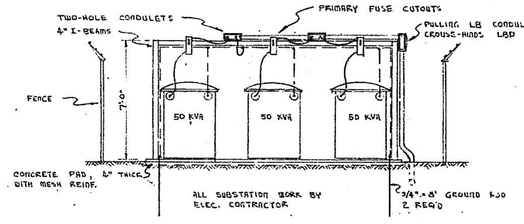
DETAIL A

NO SCALE



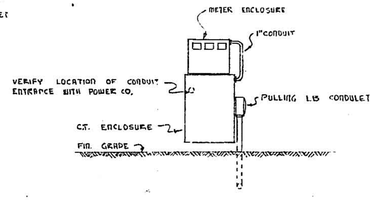
METER DETAIL

NO SCALE



SUBSTATION ELEVATION

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



METER ELEVATION

NO SCALE

LEGEND

○	CEILING OUTLET
○	WALL OUTLET
⊟	DUPLEX OUTLET, GROUNDED, 1'-0" ABOVE UPPER FLOOR
○	CEILING OUTLET IN LOWER FLOOR
⊟	DUPLEX OUTLET GROUNDED, 4'-0" ABOVE LOWER FLOOR
(J)	JUNCTION BOX
(M)	MOTOR OUTLET # SIZE IN HP
S	WALL SWITCH, 4'-6" UP UNLESS NOTED
S_3	THREE WAY WALL SWITCH, 4'-6" UP UNLESS NOTED
	MOTOR CONTACTOR
	PANEL L
	PANEL P
T	DRY-TYPE TRANSFORMER
	RACEWAY ON WALL OR CEILING
	RACEWAY IN FLOOR OR WALL
	HOMERUN TO PANEL
	SAFETY SWITCH AT: RAINTIGHT

FIXTURE SCHEDULE

TYPE	LAMPS	MANUFACTURER
A	500W	APPLETON G-72518
B	300W	APPLETON G-72518
C	100W	BRYANT 522A
D	150W	ART METAL 2681 2'-0" OVER DOOR

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
0	8		5	7	1		1	5	5	7					0	8												

ROBERT J. UL... NEW MEXICO 1632 REGISTERED PROFESSIONAL ENGINEER

ALBUQUERQUE, NEW MEXICO

NORTH BROADWAY
STORM SEWER & PUMP STATION

PUMP STATION

ELECTRICAL DETAILS

HERKENHOFF & ASSOCIATES
CONSULTING ENGINEERS
ALBUQUERQUE, NEW MEXICO

SCALE	DATE
AS SHOWN	FEB

Lot No 3 -

SHT 15 OF 15