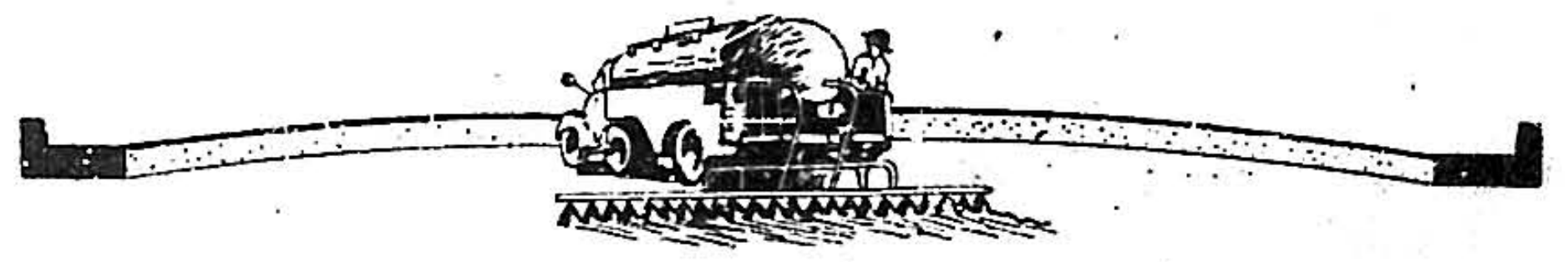
2

CITY OF
ALBUQUERQUE - NEW MEXICO

PAVING DISTRICT NO. 130



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
1	0		1	3	0		0	1	3	1								2	0									

SET NO. 5

GORDON HERKENHOFF AND ASSOCIATES CONSULTING ENGINEERS

SHEET 1 OF 13

2
35
36
31
32
33
34
CANYON
ARROYO
ELENA
CITY LIMIT
MONTGOMERY
WYOMING BLVD. NE
EUBANK BLVD. NE
MORRIS ST. NE
THOMAS
LOMA DEL REY
ALTIPLANO ADD.
EUBANK HEIGHTS
PIEDMONT HEIGHTS ADD.
THOMPSON HEIGHTS ADD.
CIELITO LINDO
VISTA GRANDE LAND CO. ADD. NO. 2
CARLISLE
ALTAMONT
DEL-AIR
AZTEC
SANDIA HIGH SCHOOL
YUCCA ELEMENTARY SCHOOL
CANDELARIA
HOFFMANTOWN
MIRAMONTES PARK ADD.
VISTA ENCANTADA
SNOW HEIGHTS
ZUNI
PROSPECT
RIDGE PARK
ADDITION
BELLAMAH
CONSTITUTION
MESA VILLAGE
INDIAN SCHOOL
MENAUL
6
7
8
9
10
12
13
16
18
10 130 0261
21
100
140
175

ALBUQUERQUE, NEW MEXICO

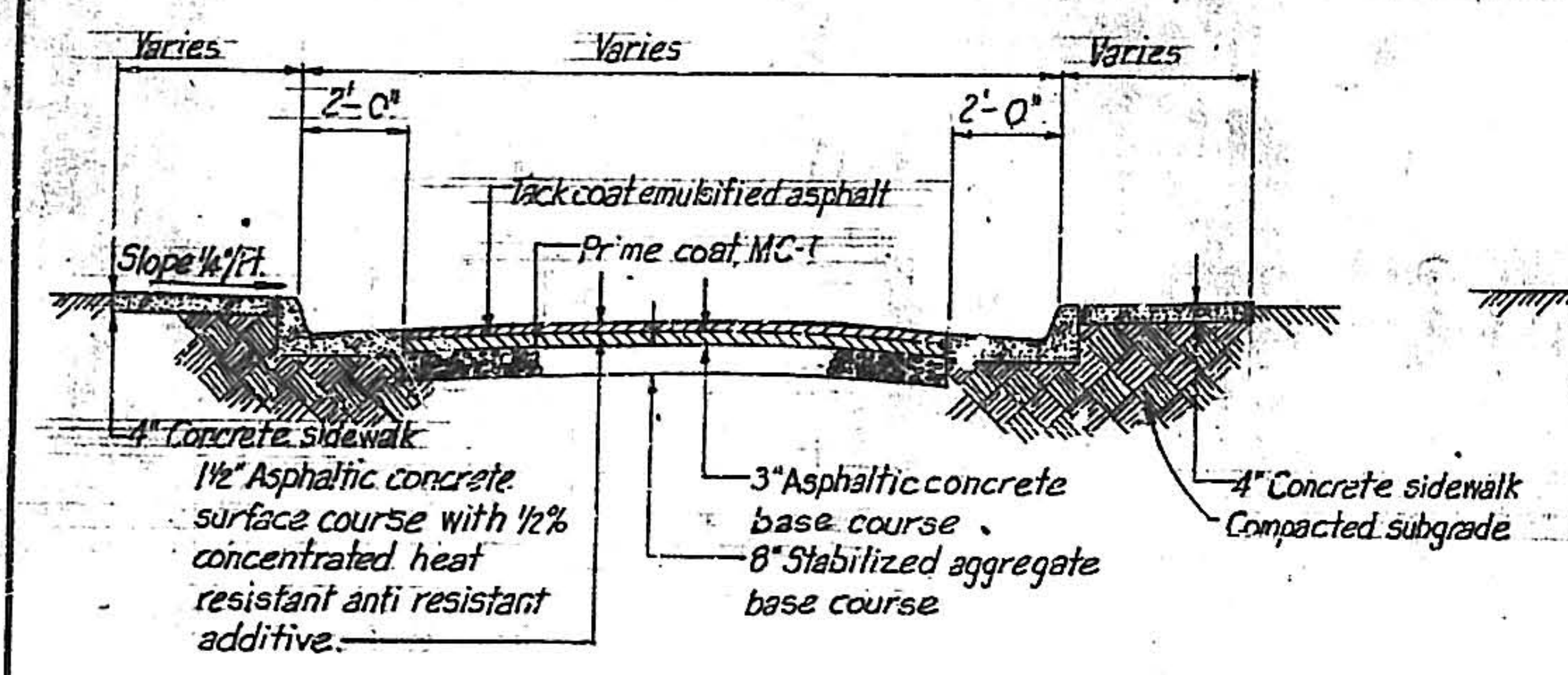
PAVING DISTRICT NO. 130

GENERAL LAYOUT

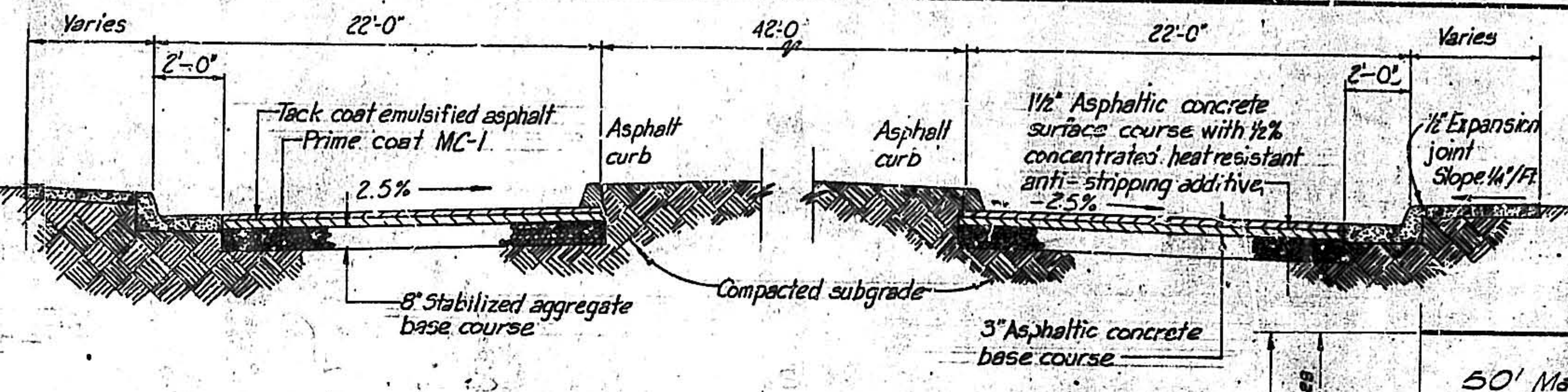
GORDON HERKENHOFF & ASSOCIATES, INC.
CONSULTING ENGINEERS
ALBUQUERQUE NEW MEXICO

SCALE	DATE	DRAWN: M.F.	SHEET 2
1"=1000'	MAY 1960	CHECKED:	OF 13

2

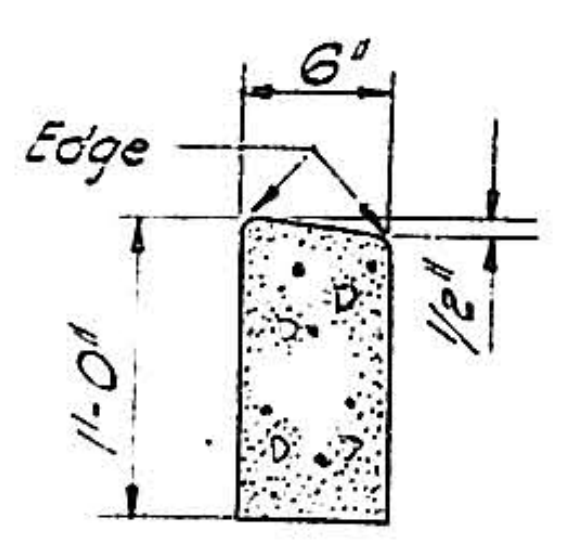

Varies
Varies
Varies
2'-0"
2'-0"
Tack coat emulsified asphalt
Prime coat MC-1
Slope ¼"/Ft.
4" Concrete sidewalk
1½" Asphaltic concrete surface course with ½% concentrated heat resistant anti resistant additive.
3" Asphaltic concrete base course
8" Stabilized aggregate base course
4" Concrete sidewalk
Compacted subgrade

TYPICAL STREET SECTION

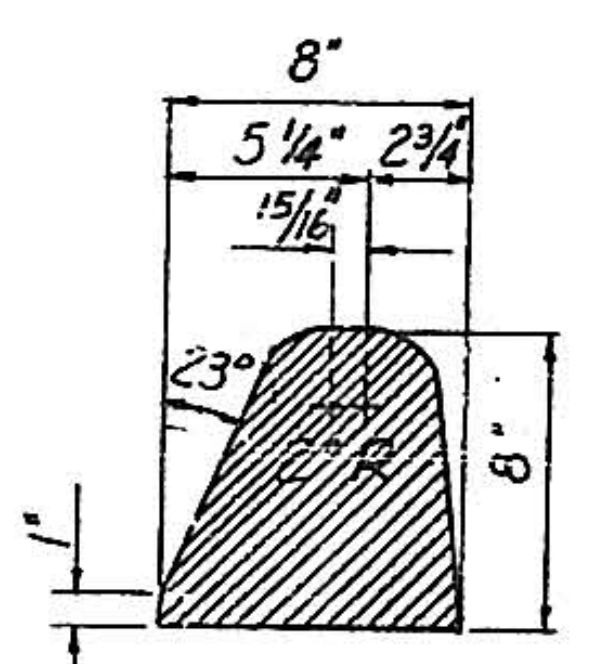

Varies
22'-0"
42'-0"
22'-0"
Varies
2'-0"
2'-0"
Tack coat emulsified asphalt
Prime coat MC-1
2.5%
Asphalt curb
Asphalt curb
1½" Asphaltic concrete surface course with ½% concentrated heat resistant anti-stripping additive
2.5%
½" Expansion joint
Slope ¼"/Ft.
8" Stabilized aggregate base course
Compacted subgrade
3" Asphaltic concrete base course

STAGED SECTION

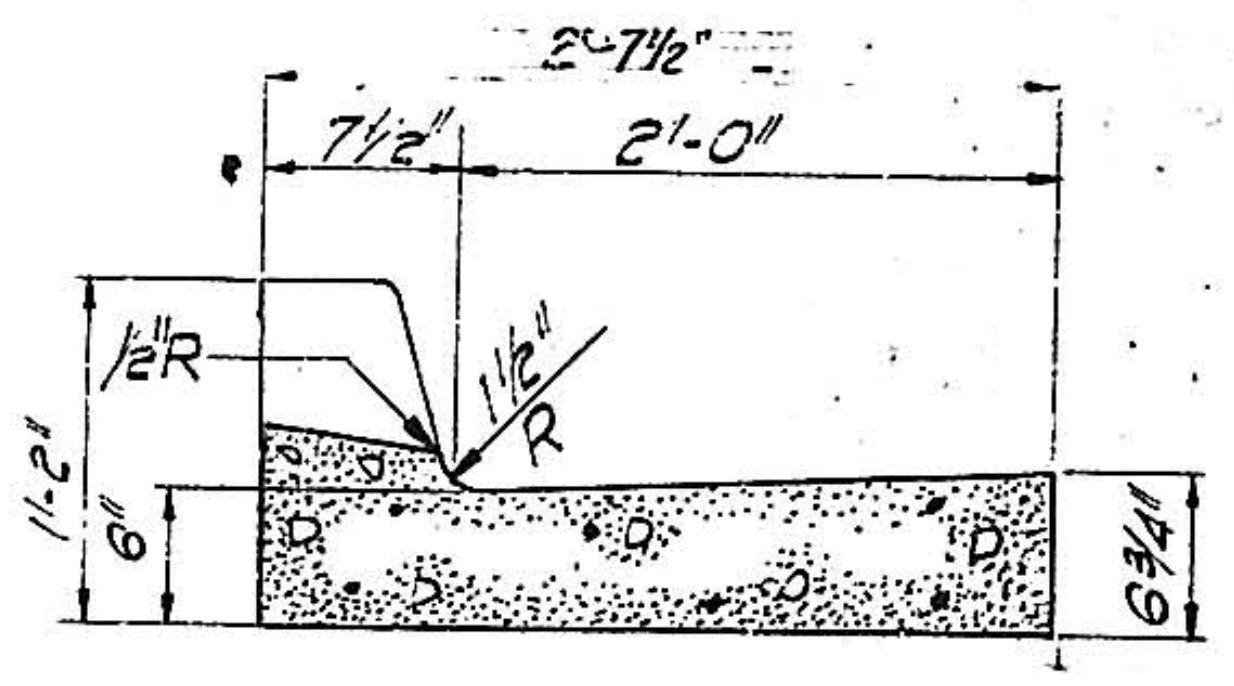
STREET SECTIONS



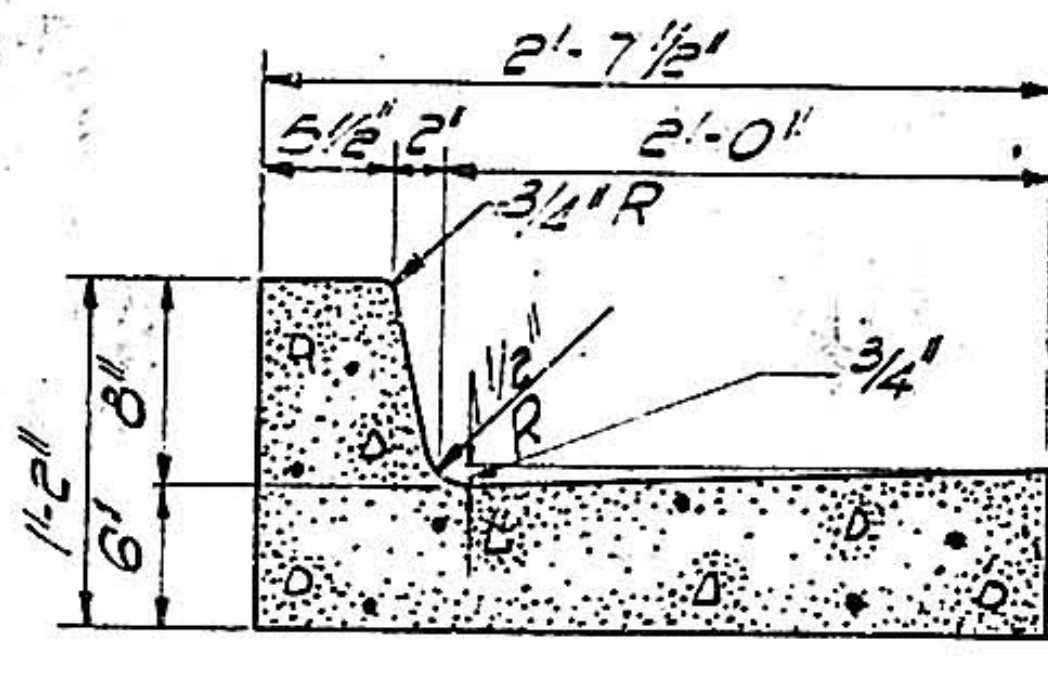
HEADER CURB


8"
5¼"
2¾"
15/16"
23°
8"
1"

ASPHALT CURB

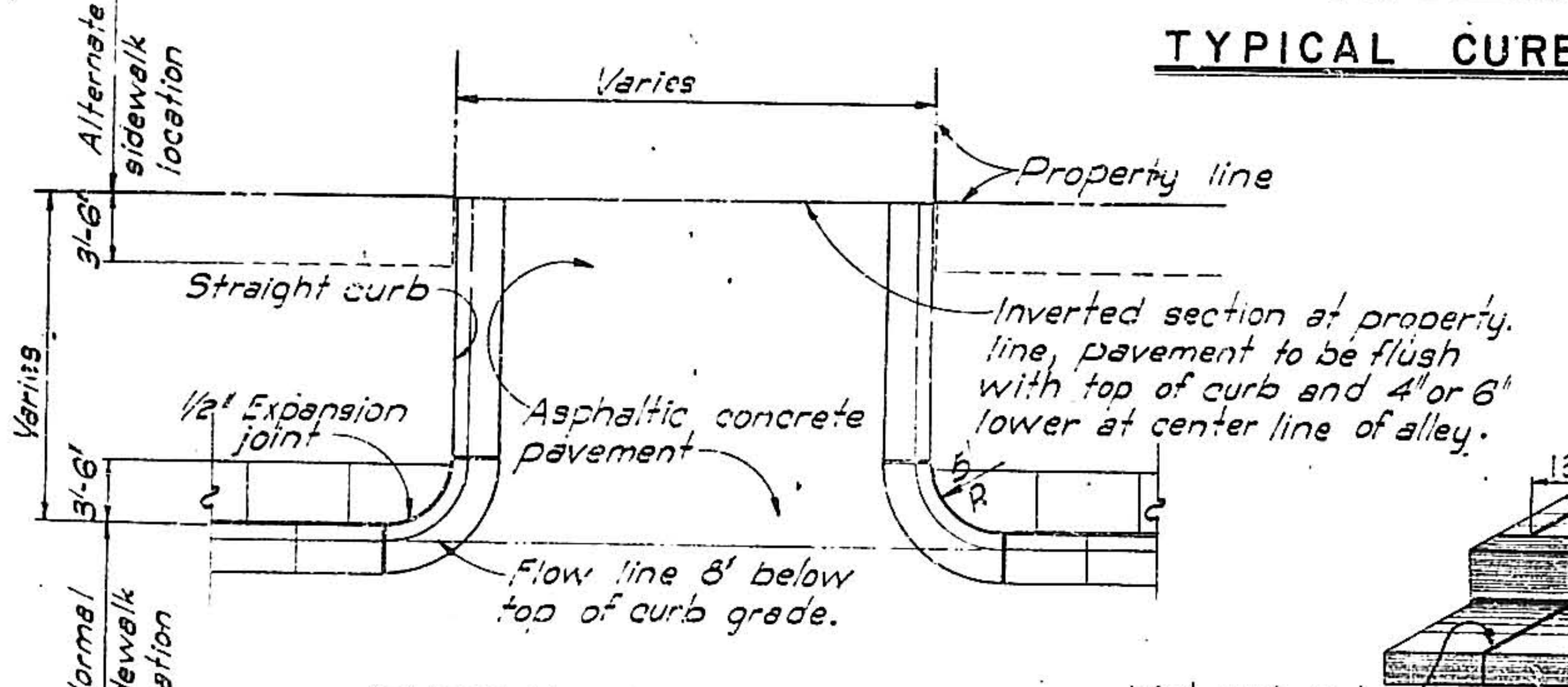

2'-7½"
7½"
2'-0"
½"R
1½" R
1'-2"
6"
6¾"

DRIVE PAD OR LAY DOWN CURB

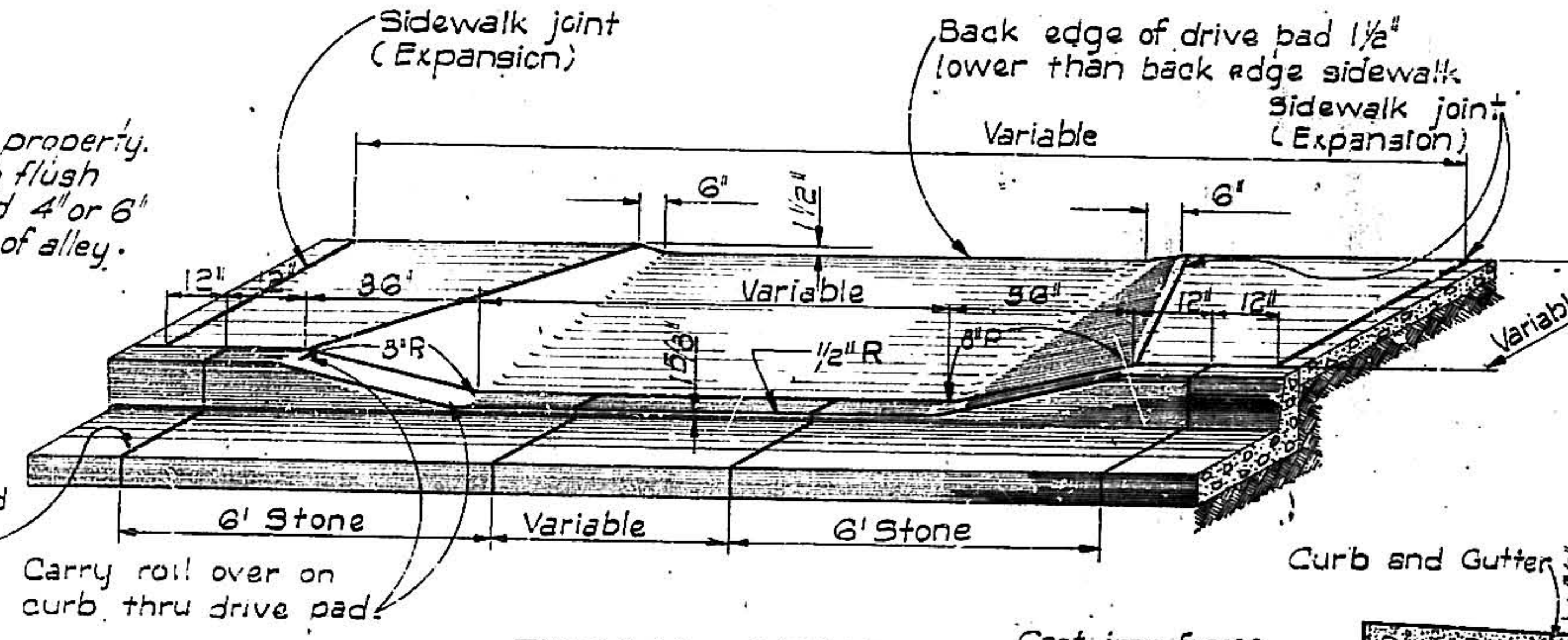

2'-7½"
5½"
2"
2'-0"
¾"R
1½" R
¾"
1'-2"
8"
6"
6¾"

CURB AND GUTTER

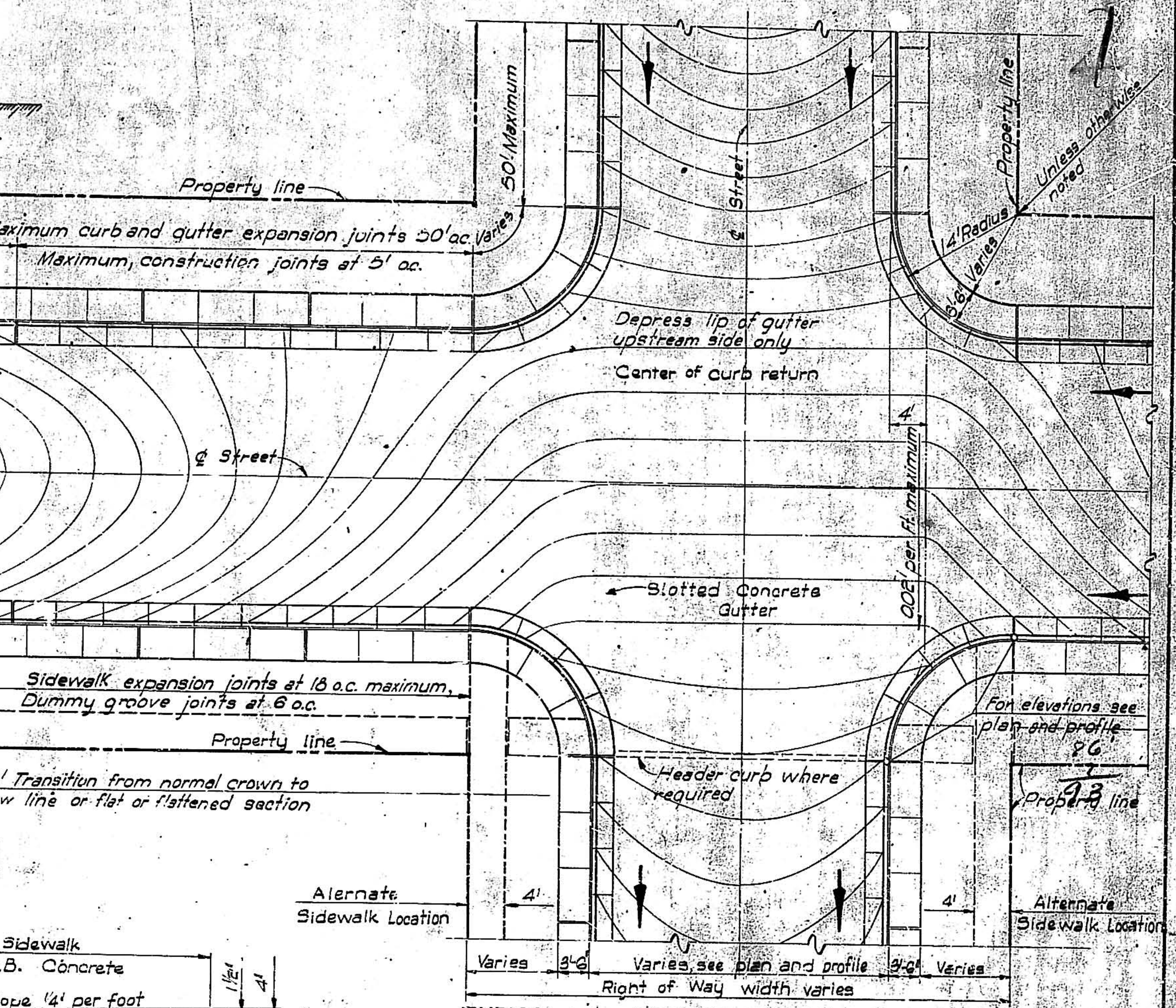
TYPICAL CURB DETAILS


Varies
Property line
Alternate sidewalk location
3'-6"
Straight curb
Varies
½" Expansion joint
Asphaltic concrete pavement
Inverted section at property. line, pavement to be flush with top of curb and 4" or 6" lower at center line of alley.
5' R
3'-6"
Flow line 8' below top of curb grade.
Normal Sidewalk location

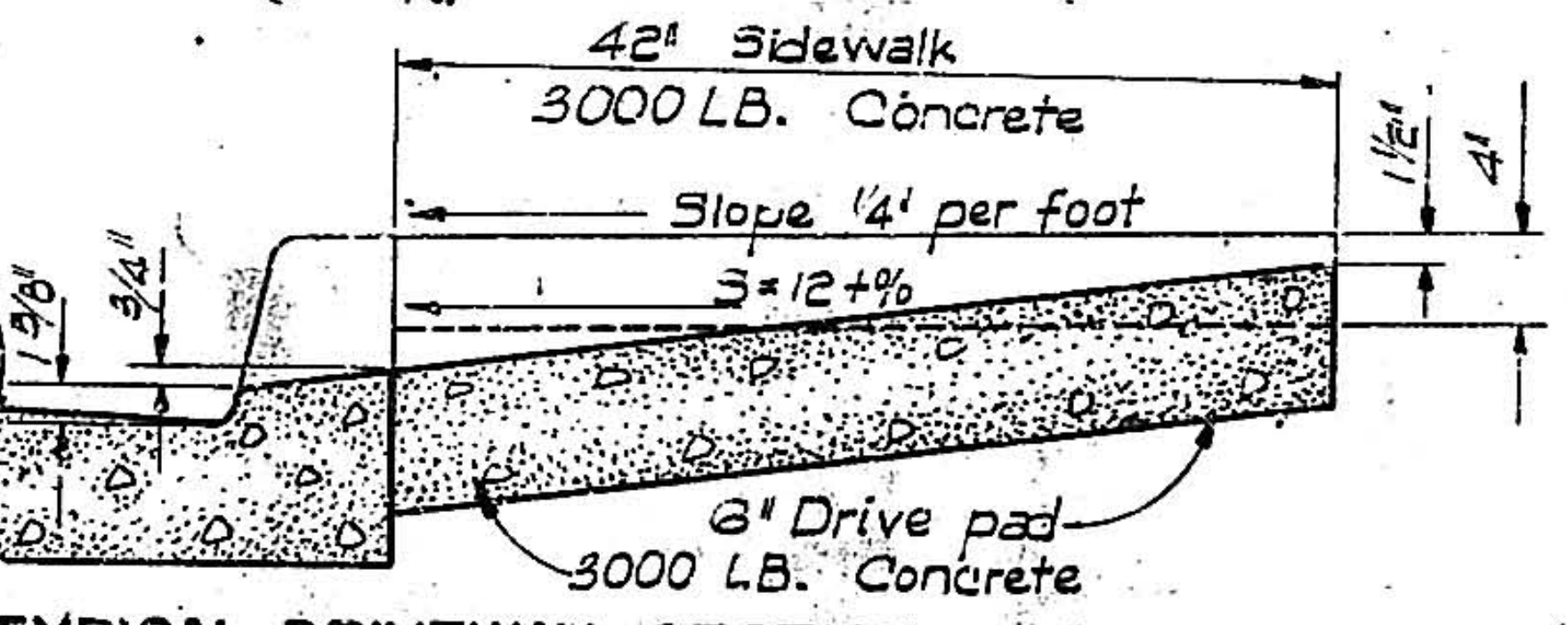
TYPICAL ALLEY DETAIL


Sidewalk joint (Expansion)
Back edge of drive bad 1½" lower than back edge sidewalk
Sidewalk joint (Expansion)
Variable
6"
1½"
6'
12"
36'
Variable
36"
12" 12"
8'R
½"R
8'R
Variable
Joint curb and gutter.
6' Stone
Variable
6' Stone
Carry roll over on curb thru drive pad

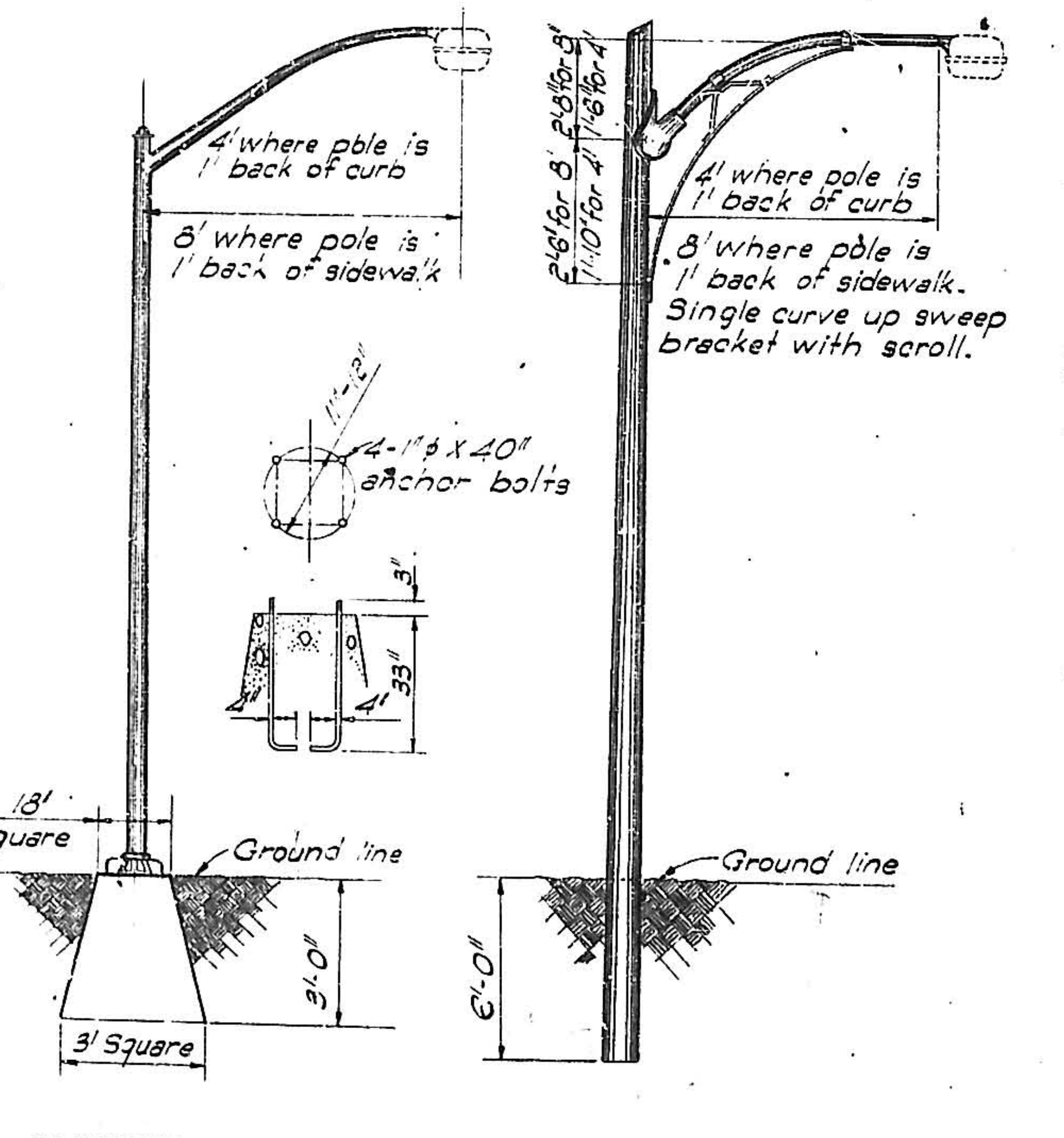
TYPICAL DRIVEWAY


Property line
50' Maximum curb and gutter expansion joints 50' o.c.
Maximum, construction joints at 5' oc.
Varies
50' Maximum
℄ Street
Property line
Unless otherwise noted
14' Radius
Varies
3'-6"
Depress lip of gutter upstream side only
Center of curb return
℄ Street
4'
.002' per Ft. maximum
Slotted Concrete Gutter
3'-6" Varies
Right of way width varies
Varies See plan and profile
3'-6"
Varies
4'
Sidewalk expansion joints at 18 o.c. maximum,
Dummy groove joints at 6 o.c.
Property line
75' Transition from normal crown to flow line or flat or flattened section
Alternate sidewalk location
Normal crown section
For elevations see plan and profile
86
93
Property line
Header curb where required
Alternate Sidewalk Location
4'
4'
Alternate Sidewalk Location
Varies
3'-6"
Varies, see plan and profile
3'-6"
Varies
Right of Way width varies

TYPICAL STREET INTERSECTION


42" Sidewalk
3000 LB. Concrete
Slope ¼" per foot
S = 12+%
1½"
4"
Curb and Gutter
1⅜"
¾"
6" Drive pad
3000 LB. Concrete

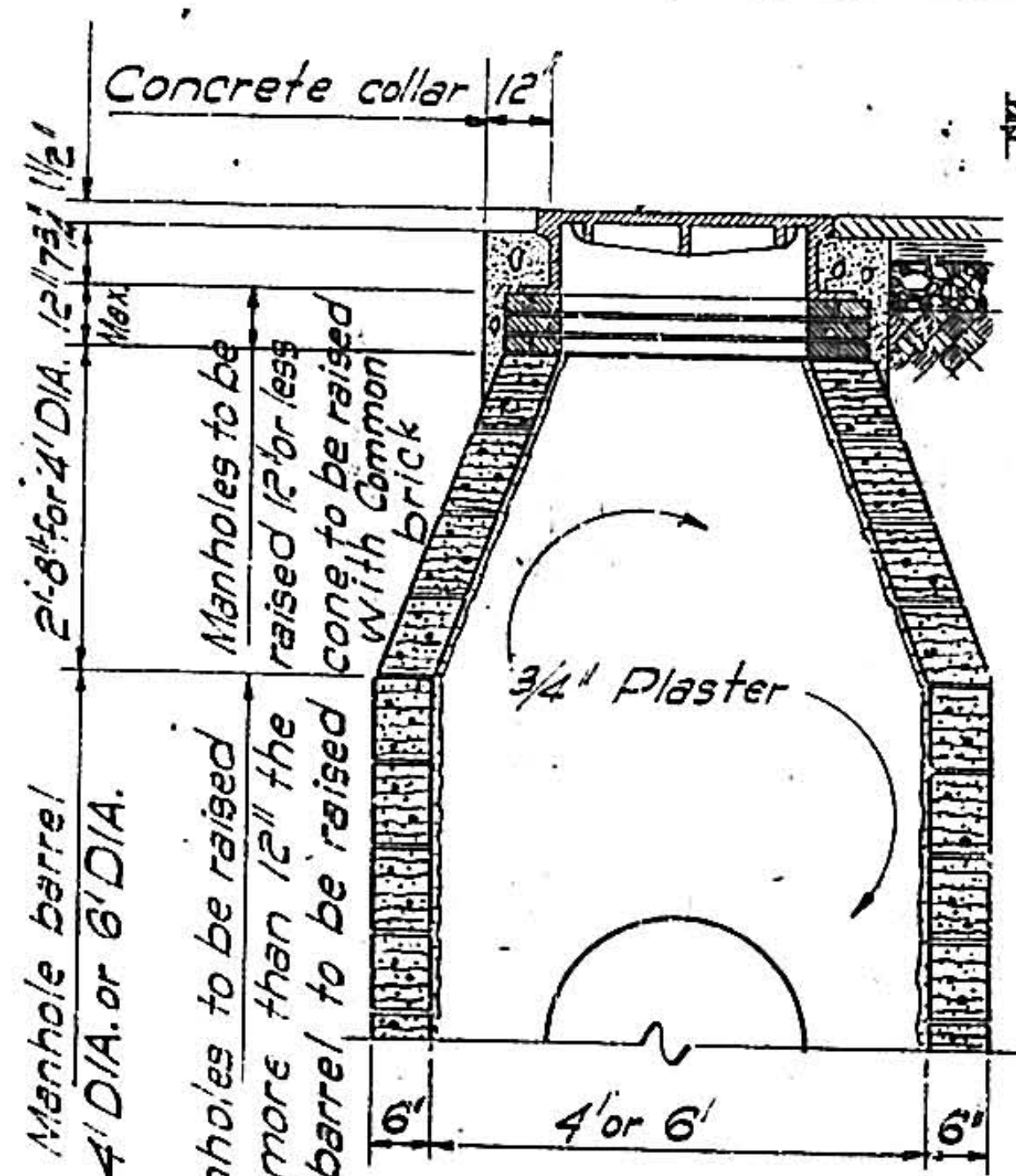
TYPICAL DRIVEWAY SECTION


4' where pole is 1' back of curb
8' where pole is 1' back of sidewalk
1'-12"
4-1"φ X 40" anchor bolts
3"
33"
4"
4"
18" Square
Ground line
3'-0"
3' Square
2'-6" for 8'
2'-8" for 8'
1'-10" for 4'
1'-6" for 4'
4' where pole is 1' back of curb
8' where pole is 1' back of sidewalk. Single curve up sweep bracket with scroll.
Ground line
6'-0"

ALUMINUM

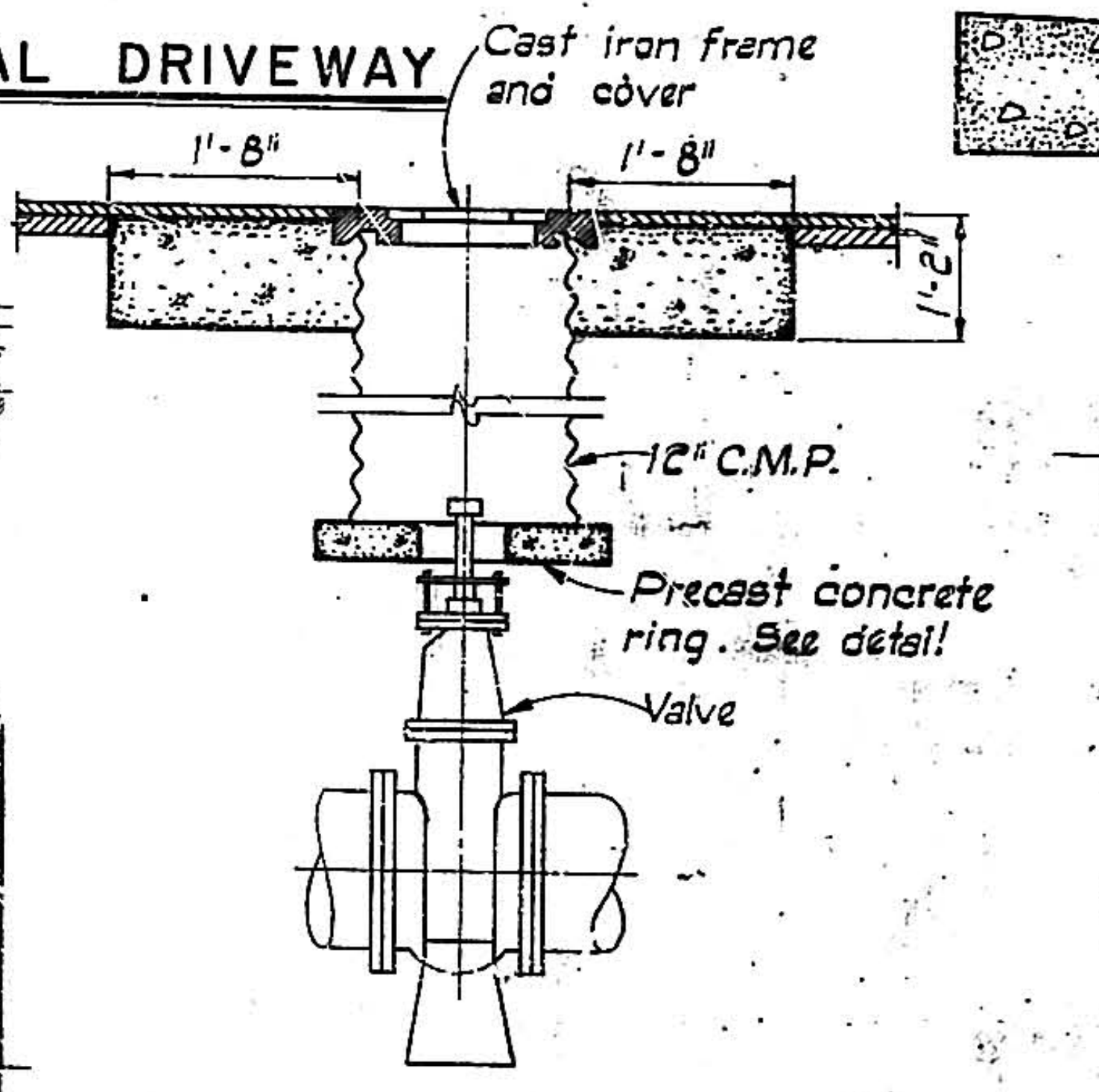
WOOD POLE

LIGHT STANDARD

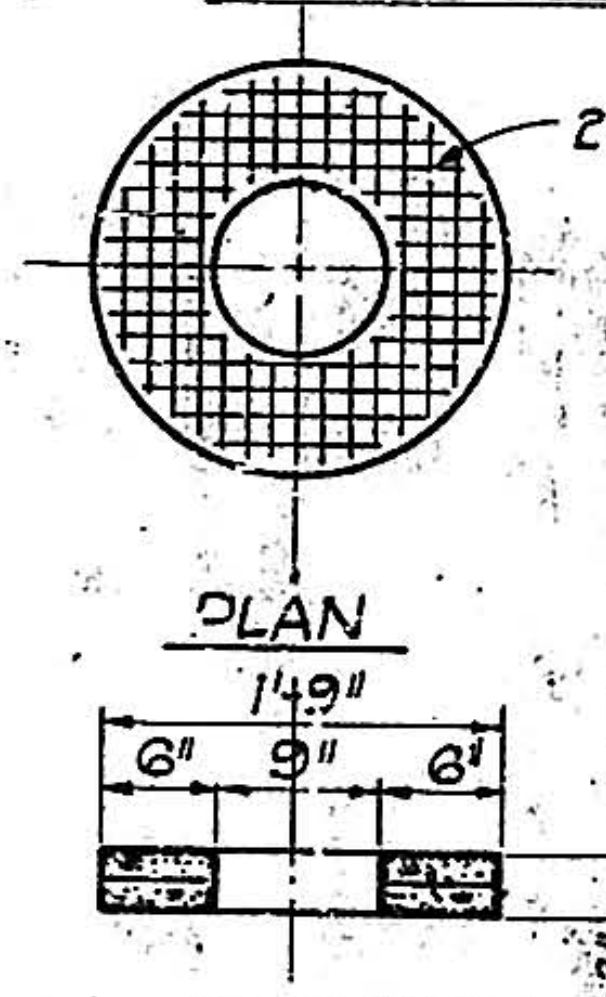

Concrete collar
12"
1½"
7¾"
12" Max
2'-8" for 4' DIA.
Manholes to be raised 12" or less cone to be raised with Common brick
3/4" Plaster
Manhole barrel 4' DIA. or 6' DIA.
Manholes to be raised more than 12" the barrel to be raised
6"
4' or 6'
6"

Note
Manholes to be raised 12" or less to be raised using common brick and concrete collar, 4 courses maximum.
Manholes to be raised 12" or more the cone to be removed, the barrel to be raised and the cone rebuilt.
Manhole to be lowered by removing the cone and lowering the barrel and rebuilding the cone.

MANHOLE DETAIL

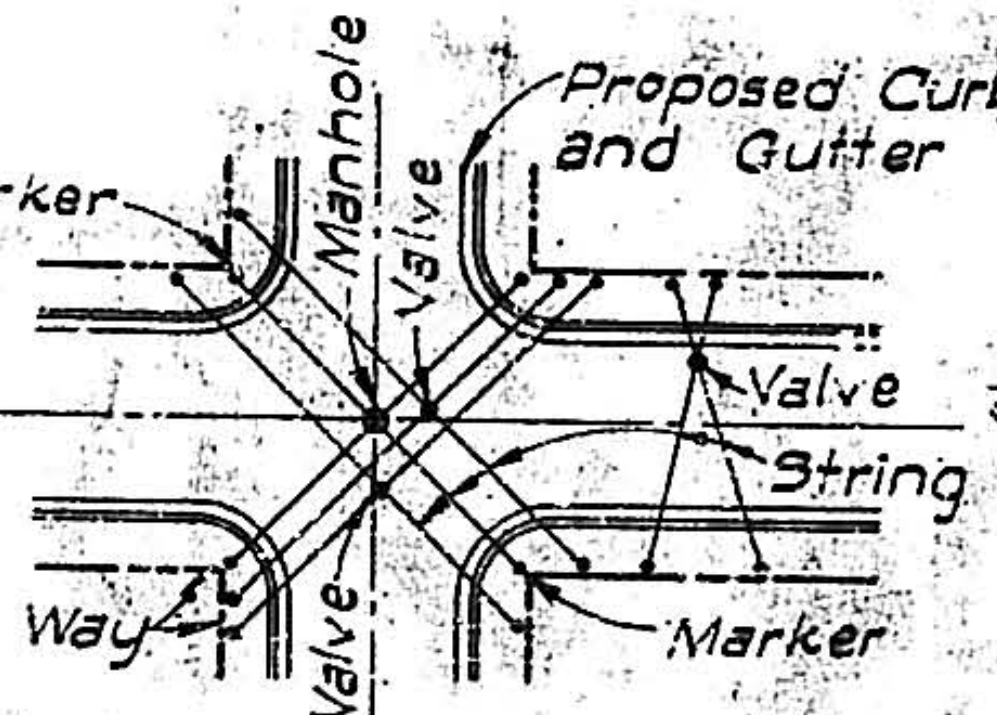

Cast iron frame and cover
1'-8"
1'-8"
1'-2"
12" C.M.P.
Precast concrete ring. See detail!
Valve

SECTION

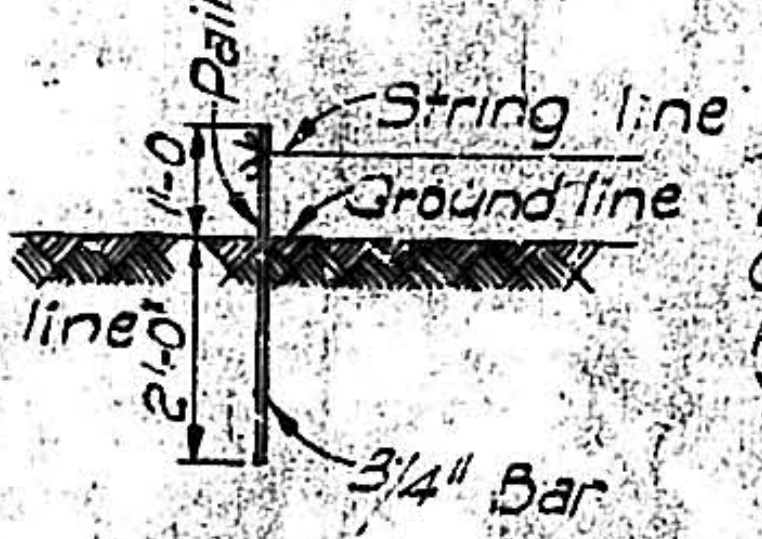

2 x 2-10x10 WWF
PLAN
1'-9"
6"
9"
6"
3"
SECTION

PRECAST CONCRETE RING DETAIL

WATER VALVE BOX


Marker
Manhole
Valve
Proposed Curb and Gutter
Valve
String line
Property Right of Way
Valve
Marker

LOCATION PLAN


Paint
1'-0"
String line
Ground line
2'-0"
¾" Bar

MARKER DETAIL

PLAN FOR LOCATING UNDERGROUND UTILITIES

GENERAL NOTES

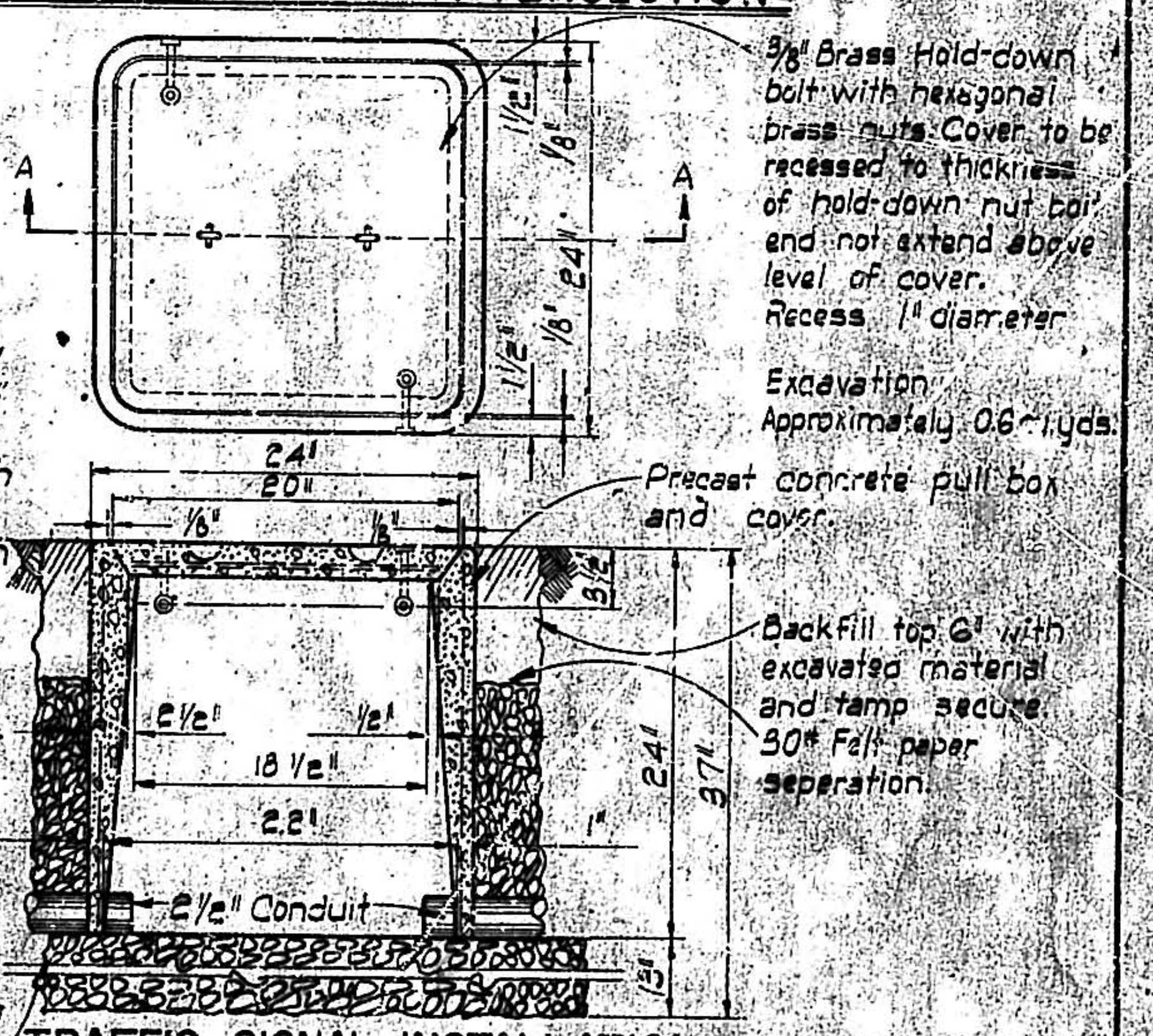
CURB AND GUTTER to be constructed of 3000 psi concrete and to be laid in lengths of 6 feet between construction joints. ½" preformed expansion joints to be located at intervals not to exceed 50' feet, at the P.C. and P.T. of curb returns and each side of drive pads.

DRIVE PADS to be constructed of 3000 psi concrete. 6" Depth drive pads longer than 18 feet to have at ½" preformed expansion joint at the midpoint. Drive pads more than 36 feet long to have 2-½" expansion joints with not more than 18 feet between joints.

SIDEWALKS to be constructed of 3000 psi concrete 4" thick with a transverse slope of ¼" per foot. ½" preformed expansion joints to be located between the sidewalk and the back of the curb, where sidewalks abut existing walks, buildings drive pads and immovable objects and 18 feet on centers on straight runs. Dummy groove joints to be located at intervals of 6' feet on centers maximum. Width of sidewalk to be 42" when placed adjacent to the curb and gutter and 48" wide when placed adjacent to the property line. Sidewalks in front of business establishments shall be laid from the back of curb to the edge of building or property line. No sidewalk to be constructed until curb and gutter is in place.

COLOR CODE

Blue____Water
Green___Gas
Red____Sanitary sewer
Yellow__Storm sewer


A
A
1½"
⅛"
24"
⅛"
1½"
⅜" Brass Hold-down bolt with hexagonal brass nuts. Cover to be recessed to thickness of hold-down nut bolt and not extend above level of cover. Recess 1" diameter
Excavation Approximately 0.6 cu. yds.
24"
20"
⅛"
⅛"
Precast concrete pull box and cover.
3½"
2½"
½"
18½"
22"
1"
1"
Backfill top 6" with excavated material and tamp secure. 30# Felt paper seperation.
24"
37"
2½" Conduit
13"

TRAFFIC SIGNAL INSTALLATION (SECTION A-A)

1½" Clean stone (Drainage)
Approximately 0.15 cu yds.

Approximate quantities for junction box
No. 16 Galvanized ¾ mesh = 2.0 Lb.
Concrete = 0.82 Cu. Ft.
No. 8 M.C. steel wire = 1.05 Lb.

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
1	0		1	3	0		0	3	6	1								1	0									

ALBUQUERQUE, NEW MEXICO

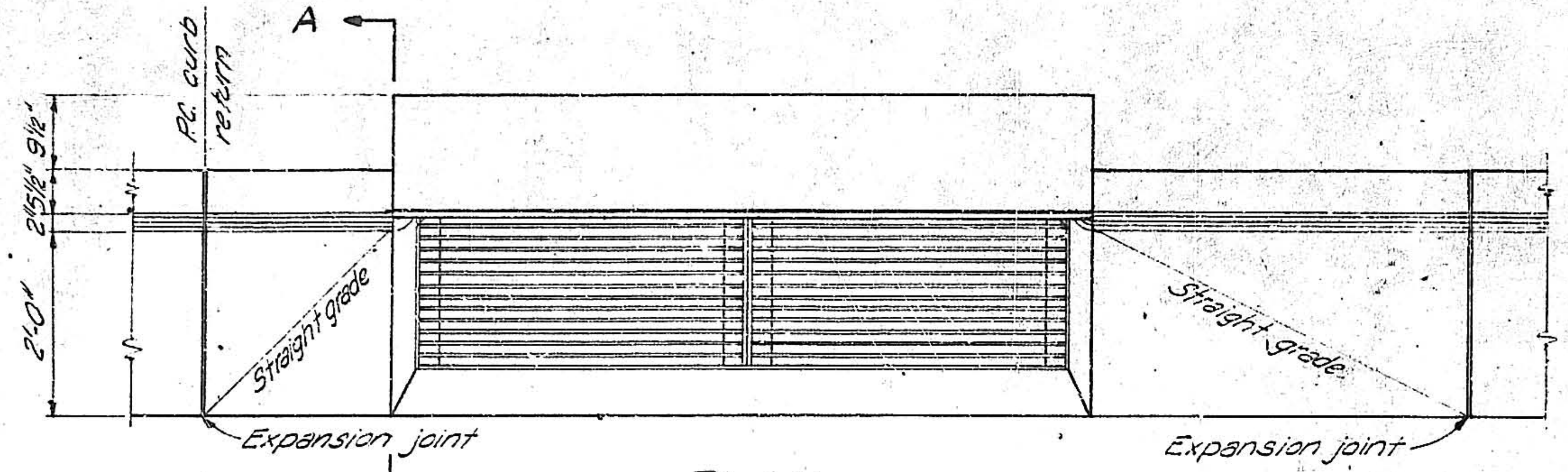
RESIDENTIAL STANDARD

STREET PAVING

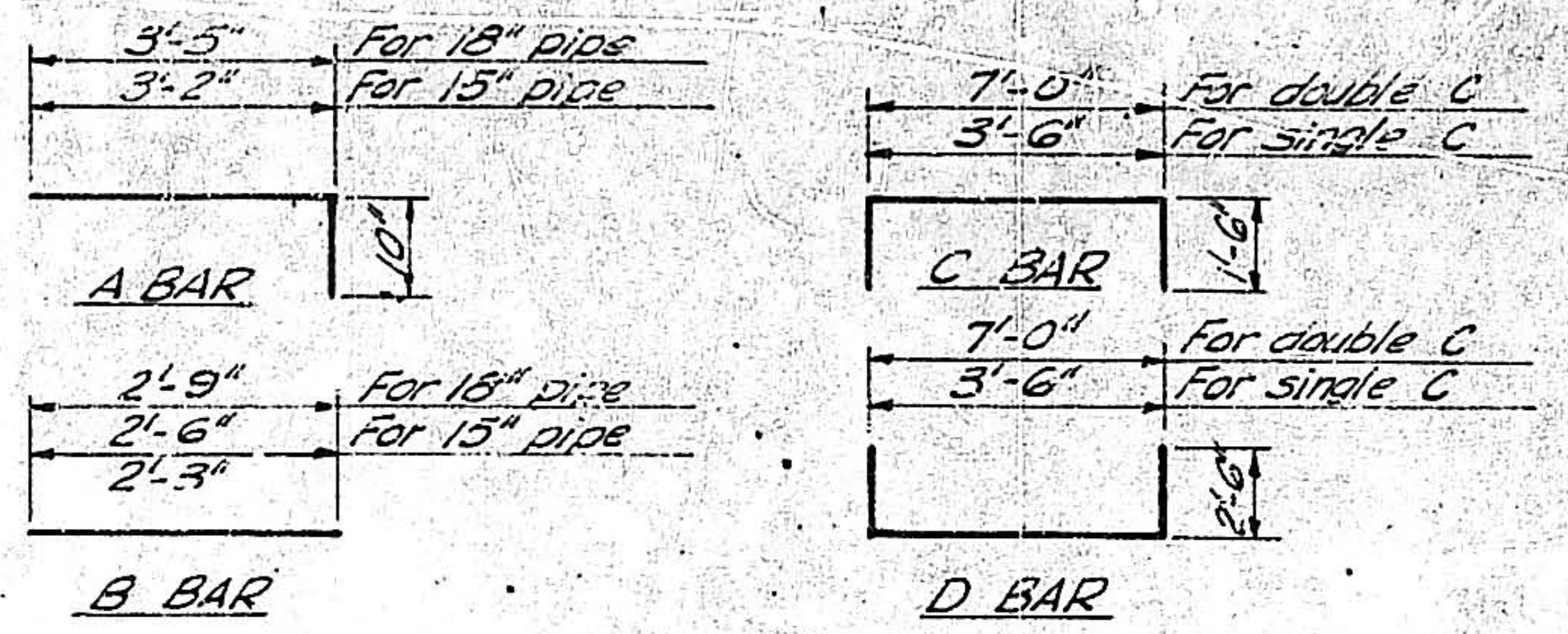
GORDON HERKENHOFF & ASSOCIATES, INC.
CONSULTING ENGINEERS
ALBUQUERQUE NEW MEXICO

SCALE	DATE	DRAWN: R.A.G.	SHEET 3
AS SHOWN	MAY 1960	CHECKED: G.A.J.	OF 13

2

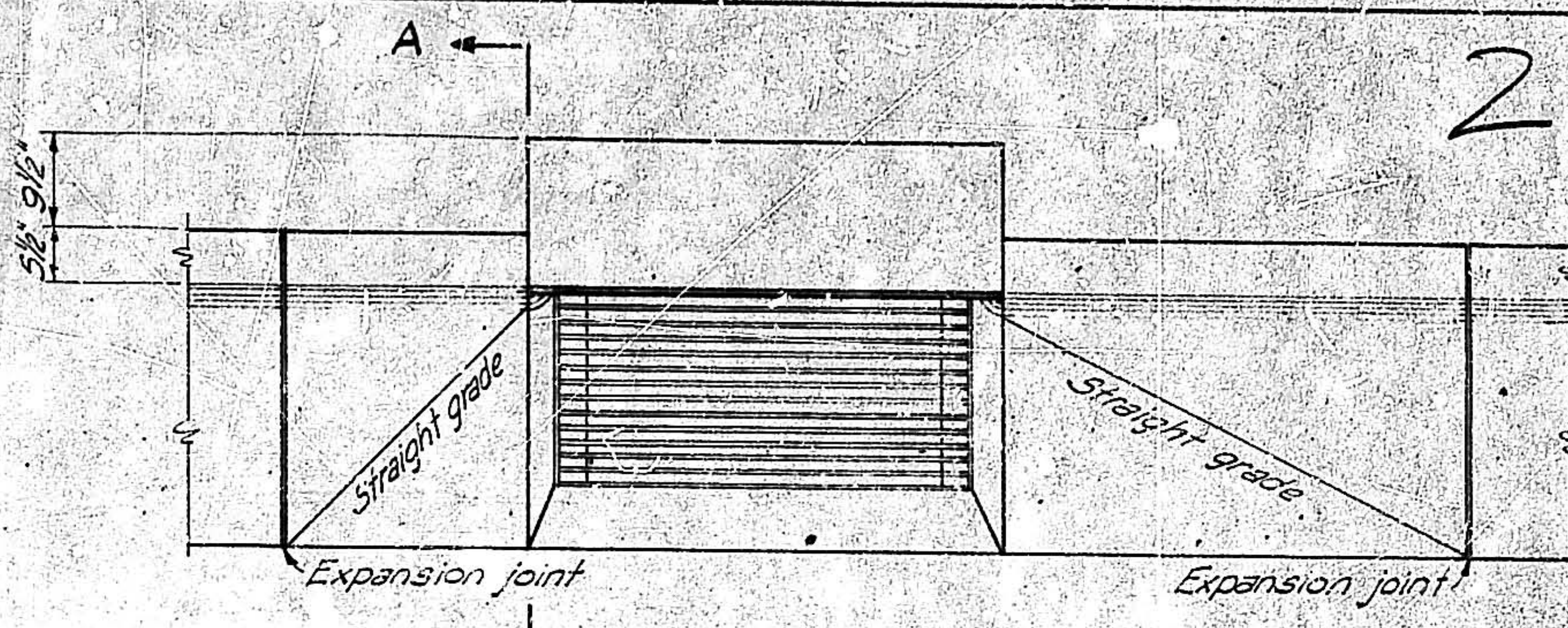

A
PC curb return
Straight grade
Straight grade
Expansion joint
Expansion joint
2'-0"
A

PLAN

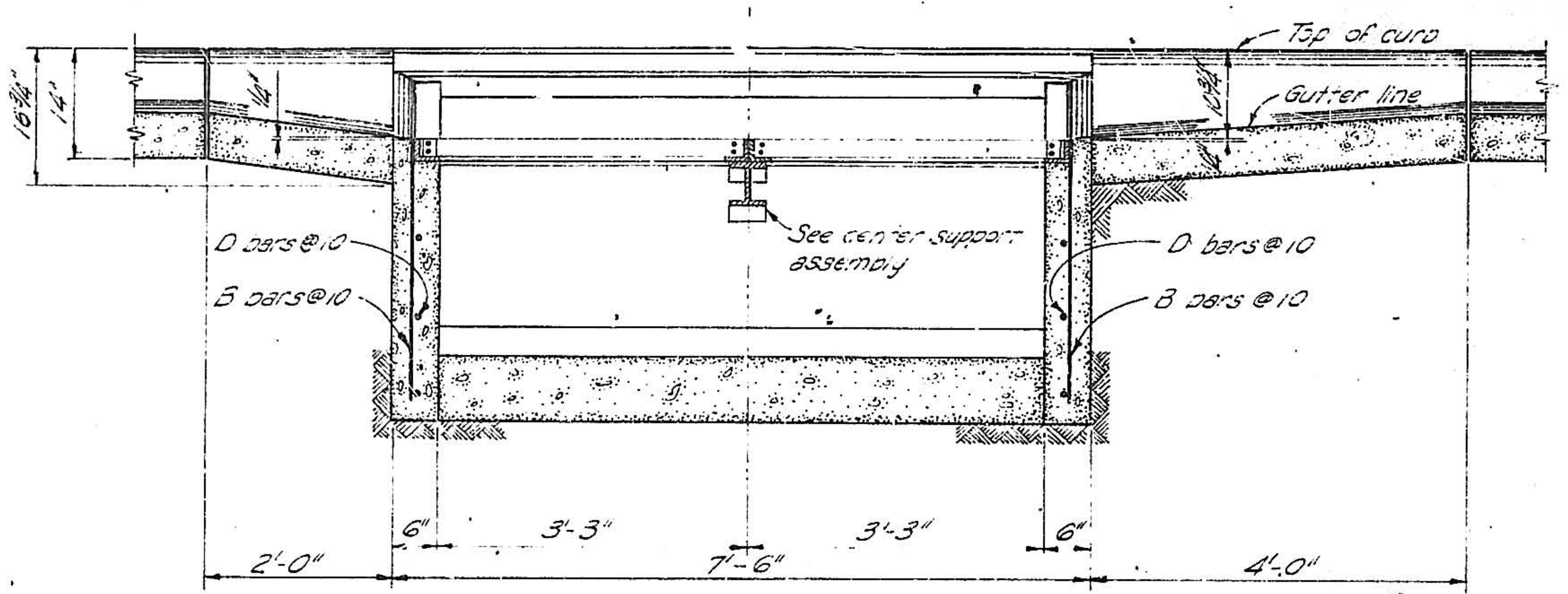

3'-5" For 18" pipe
3'-2" For 15" pipe
10"
A BAR
2'-9" For 18" pipe
2'-6" For 15" pipe
2'-3"
B BAR
7'-0" For double C
3'-6" For single C
1'-6"
C BAR
7'-0" For double C
3'-6" For single C
2'-6"
D BAR

Note: All bars to be #4

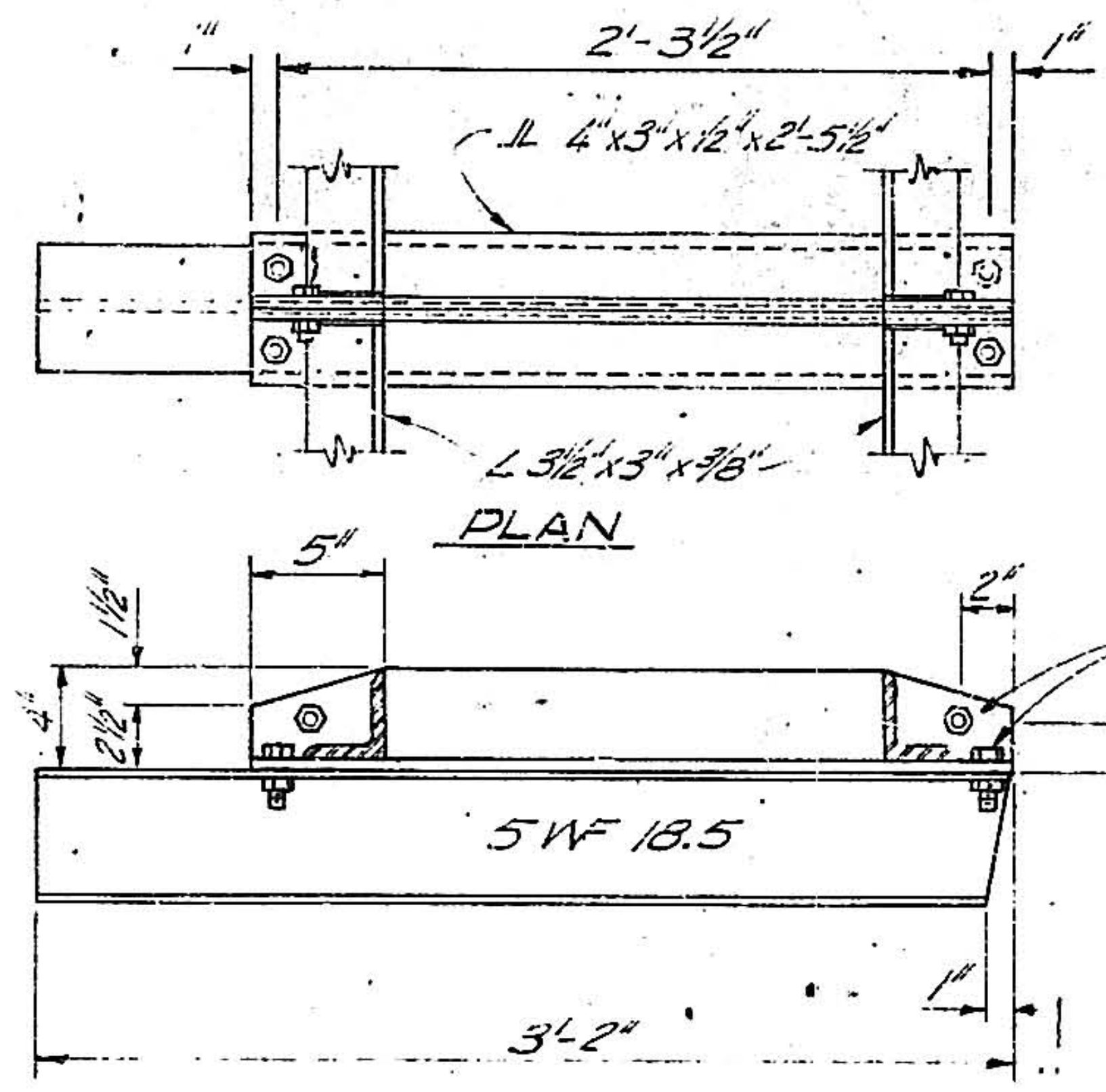
BAR BENDING DETAILS


A
Straight grade
Straight grade
Expansion joint
Expansion joint
A

PLAN

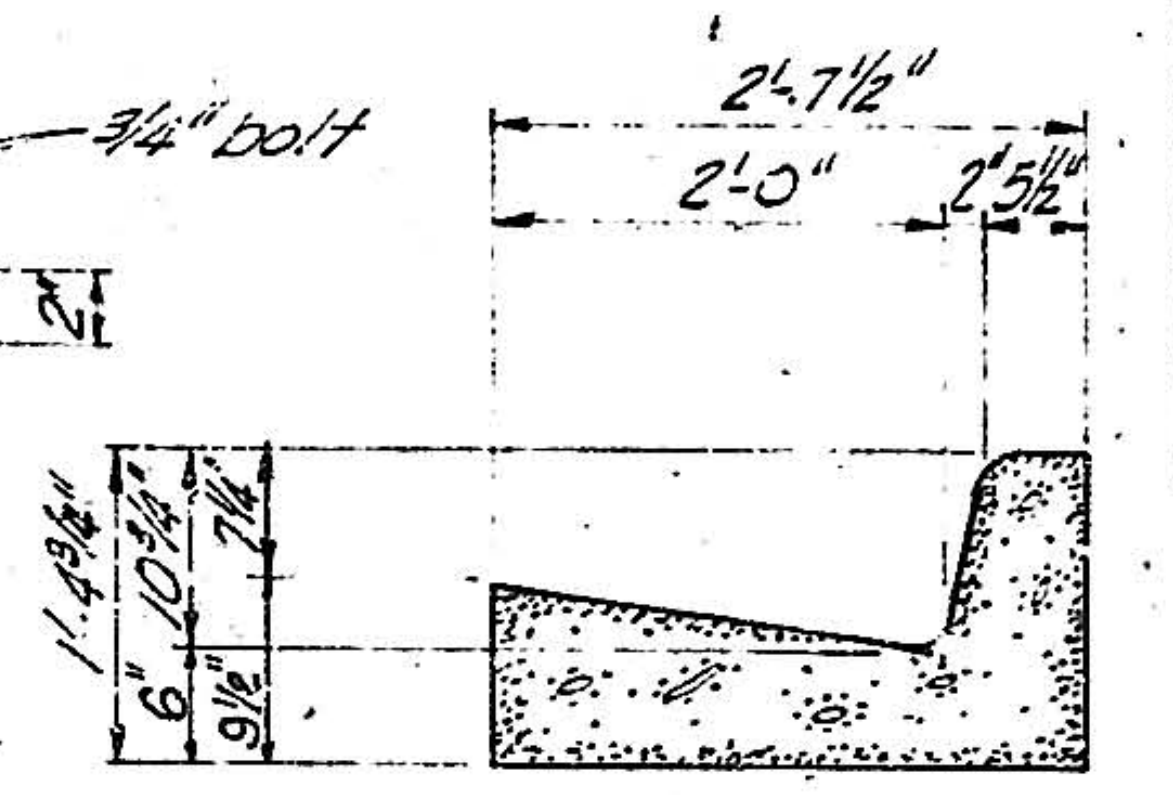

Top of curb
Gutter line
D bars @10
B bars @10
See center support assembly
D bars @10
B bars @10
6"
3'-3"
3'-3"
6"
2'-0"
7'-6"
4'-0"

LONGITUDINAL SECTION


1"
2'-3½"
1"
JL 4"x3"x½"x2'-5½"
L 3½"x3"x⅜"
PLAN
5"
2"
¾" bolt
5WF 18.5
3'-2"
1"
ELEVATION

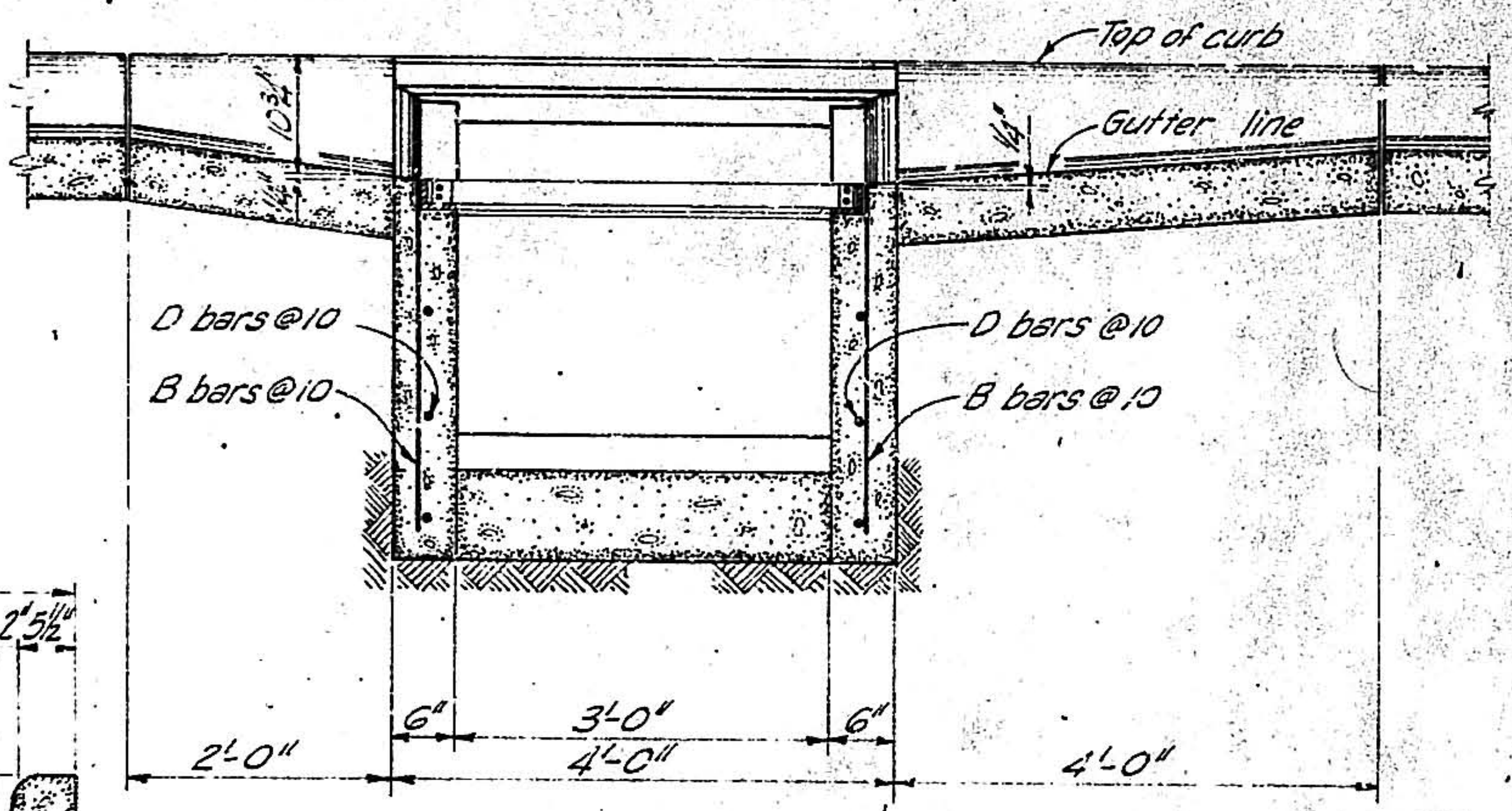
CENTER SUPPORT ASSEMBLY

Scale: 1½"=1'-0"

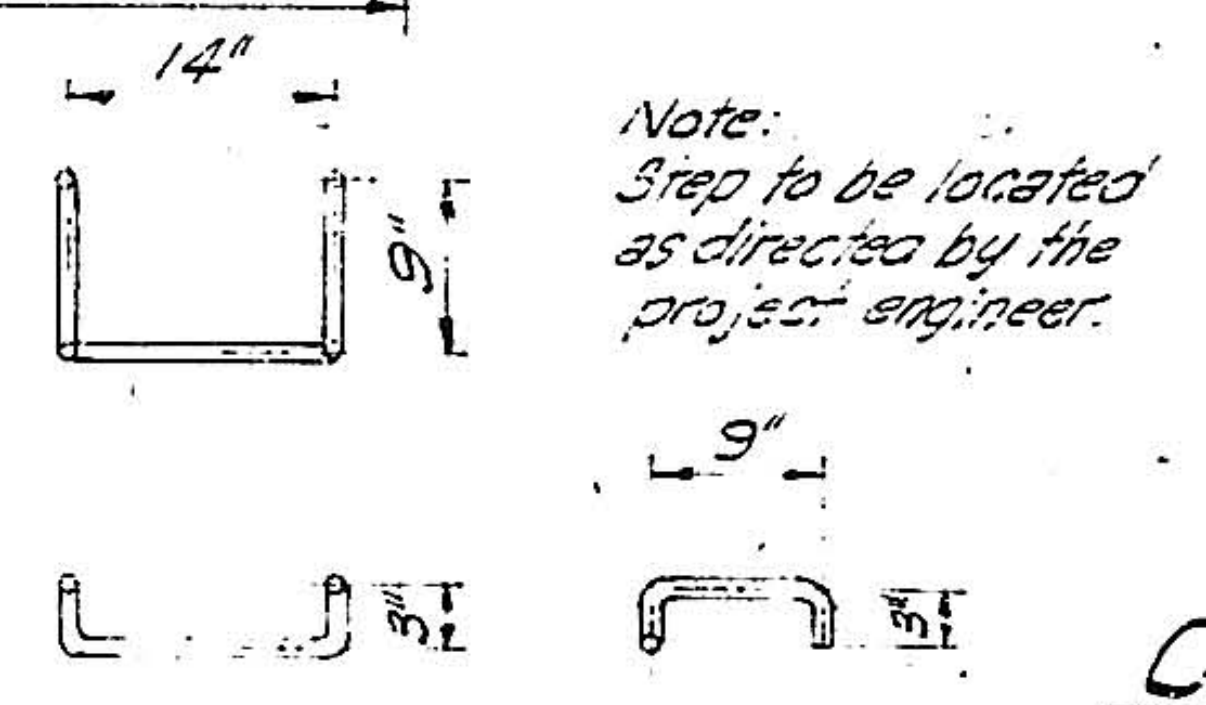


SECTION A-A

Scale: ¾"=1'-0"

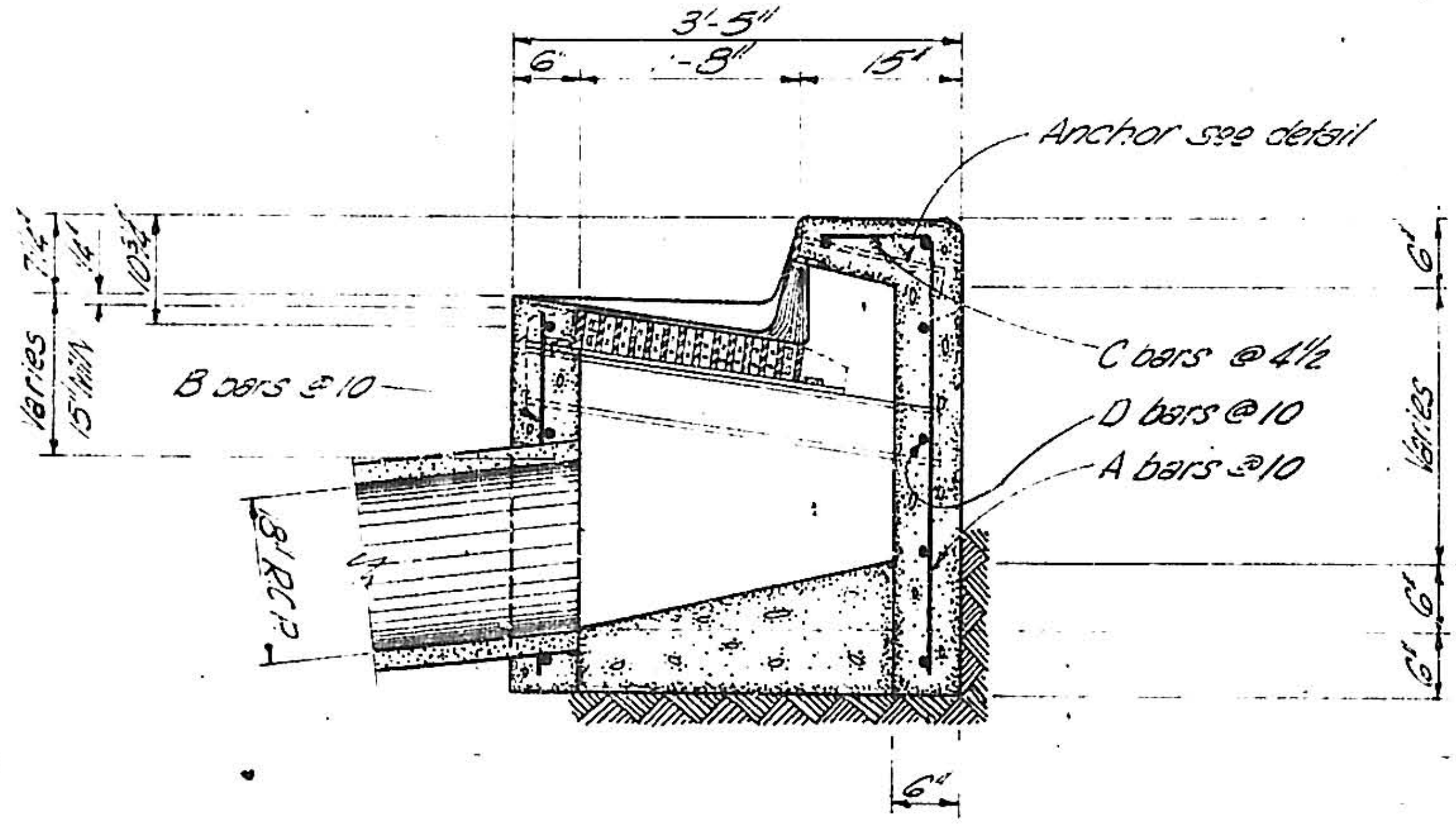

Top of curb
Gutter line
D bars @10
B bars @10
D bars @10
B bars @10
6"
3'-0"
6"
2'-0"
4'-0"
4'-0"

LONGITUDINAL SECTION


14"
9"
9"
Note: Step to be located as directed by the project engineer.

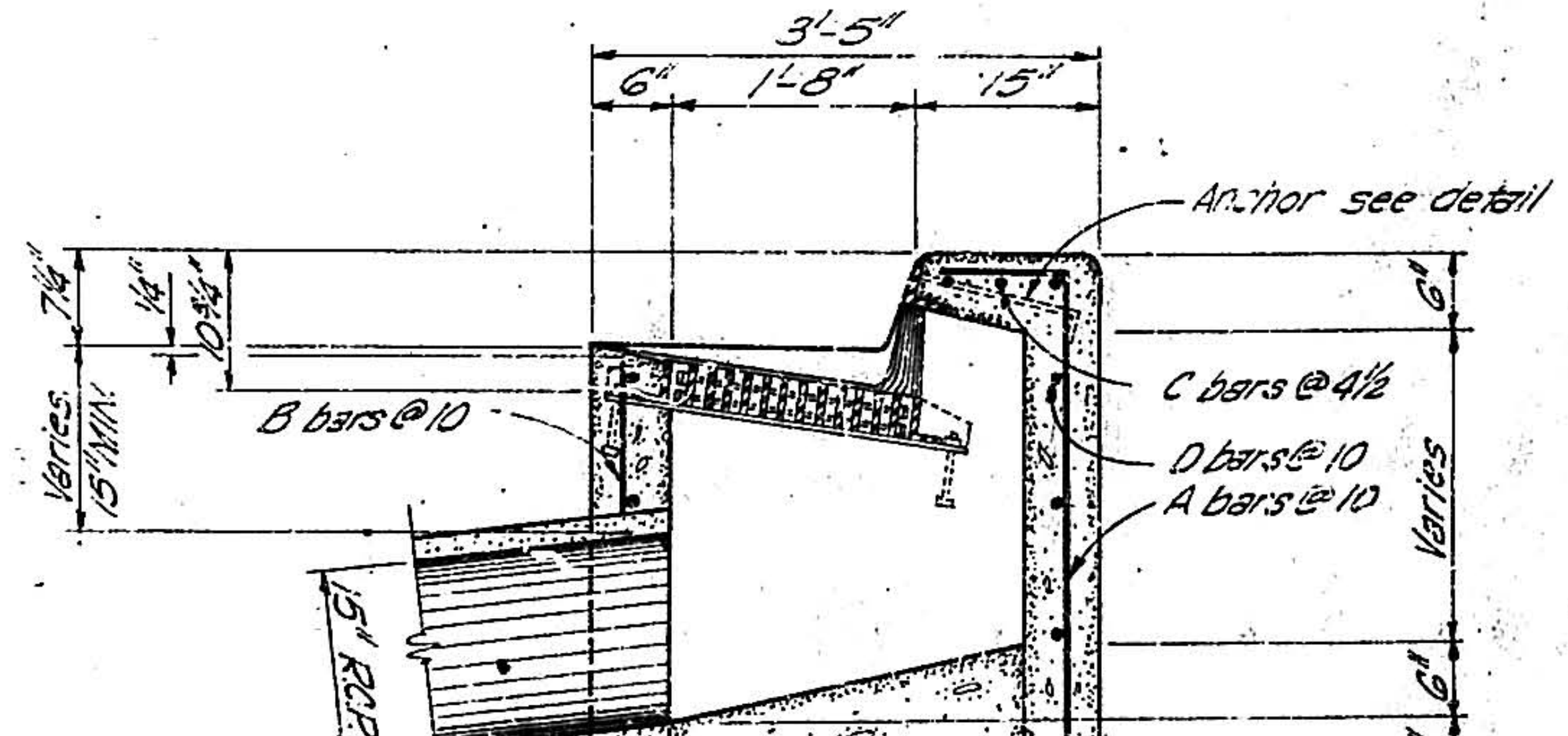
STEP DETAIL

Scale: ¾"=1'-0"


3'-5"
6"
1'-8"
15"
Anchor see detail
B bars @10
C bars @4½
D bars @10
A bars @10
Varies
15" MIN.
Varies
6"
6"
6"

TRANSVERSE SECTION
DOUBLE C INLET

Scale: ¾"=1'-0"

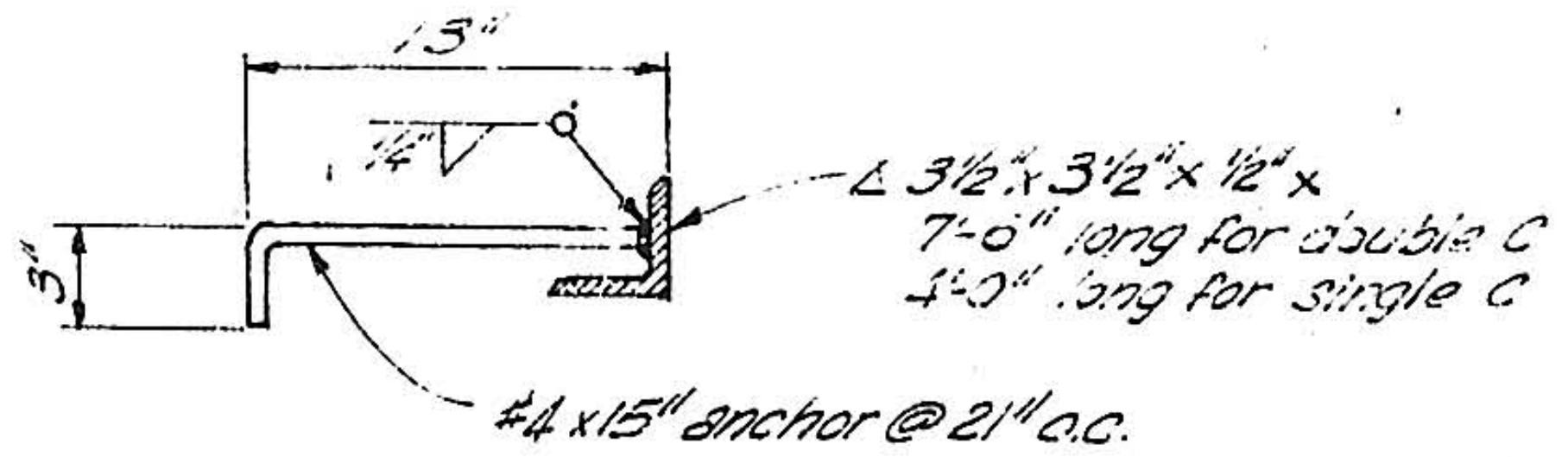

3'-5"
6"
1'-8"
15"
Anchor see detail
B bars @10
C bars @4½
D bars @10
A bars @10
Varies
15" MIN.
Varies
15" RCP
6"
6"

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

10 | 130 | 0461 | 10

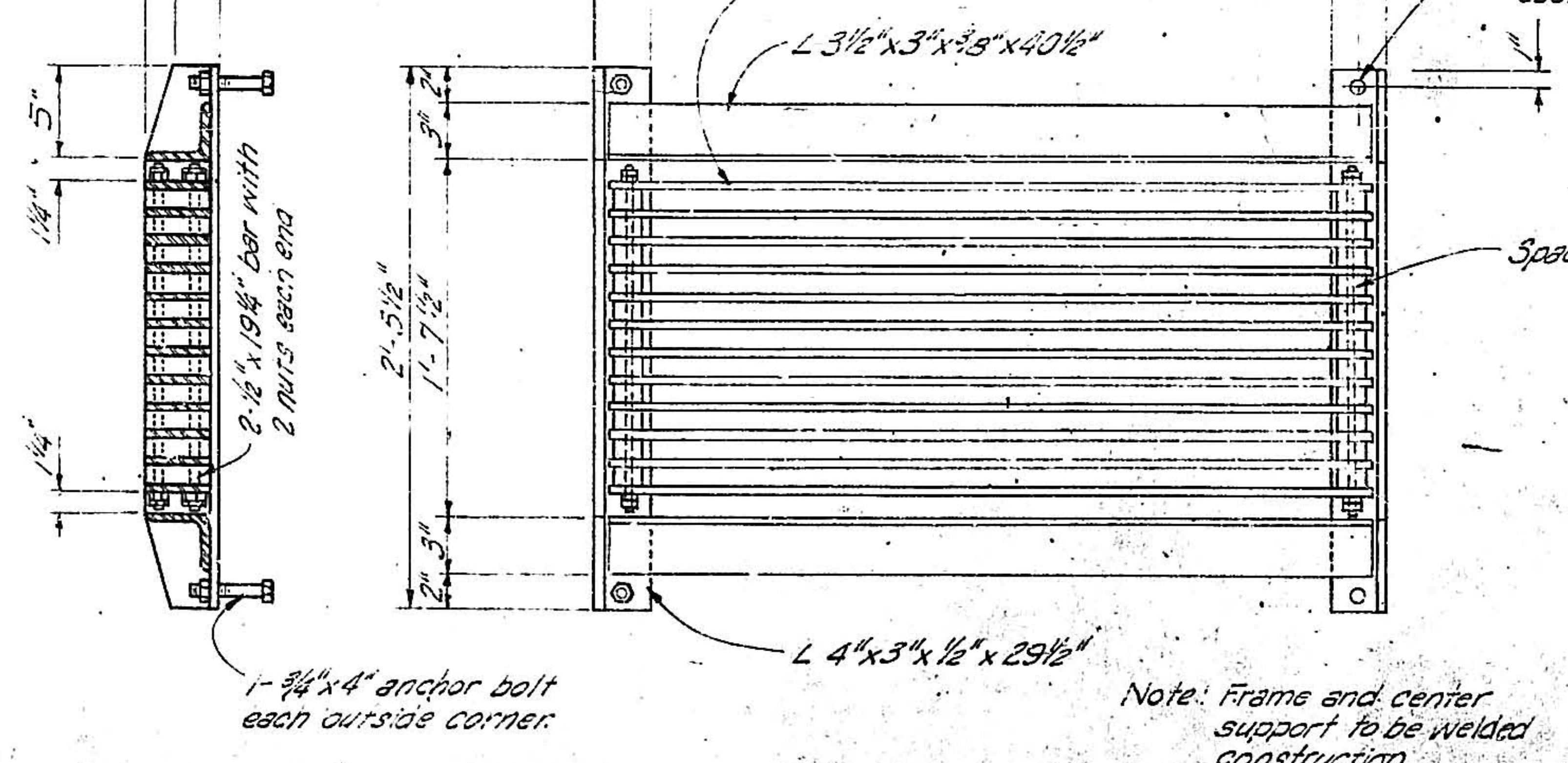
TRANSVERSE SECTION
SINGLE C INLET

Scale: ¾"=1'-0"


13"
¼"
L 3½"x3½"x½"x 7'-6" long for double C 3'-0" long for single C
#4 x15" anchor @ 21" o.c.

ANCHOR DETAIL

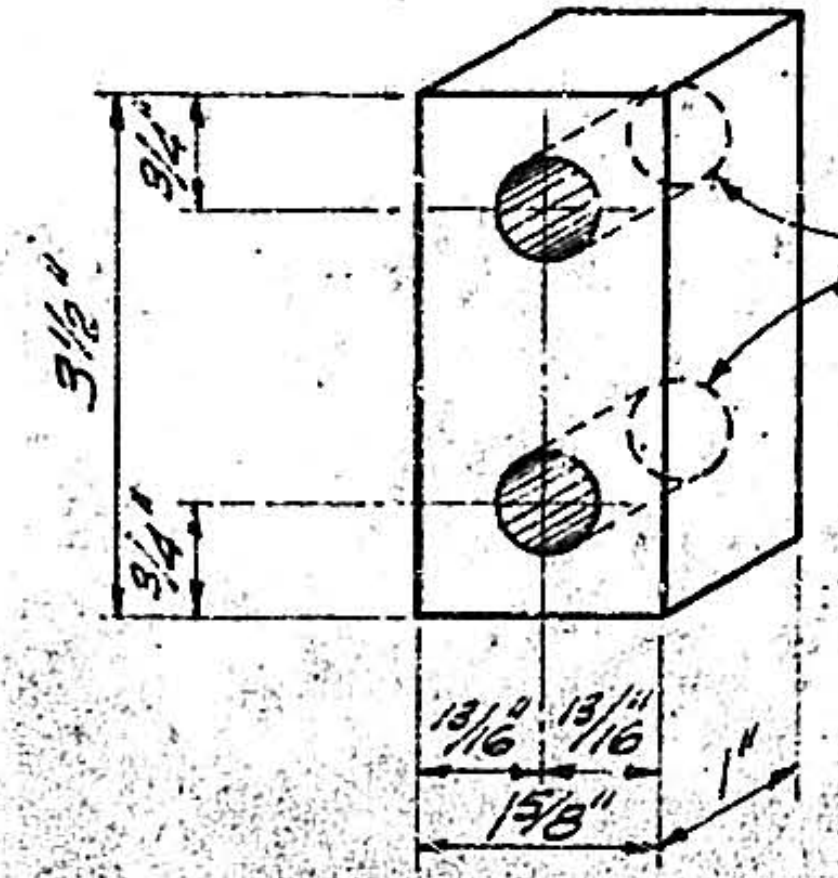
Not to scale


4"
2½"
2-½"x1⅜" bar with 2 nuts each end
1-¾"x4" anchor bolt each outside corner.
SECTION
3'-6"
3'-0"
1½"
Bar 3½"x½"x40⅜" @1⅛" o.c.
L 3½"x3"x⅜"x40½"
⅞" DIA. hole each corner.
Spacer see detail
2'-5½"
1'-7½"
L 4"x3"x½"x29½"
PLAN

Note: Frame and center support to be welded construction.

FRAME AND GRATING DETAILS

Scale: 1½"=1'-0"


3½"
2-1⅛" DIA. holes
1⅝"

SPACER DETAIL

Not to scale

ALBUQUERQUE, NEW MEXICO

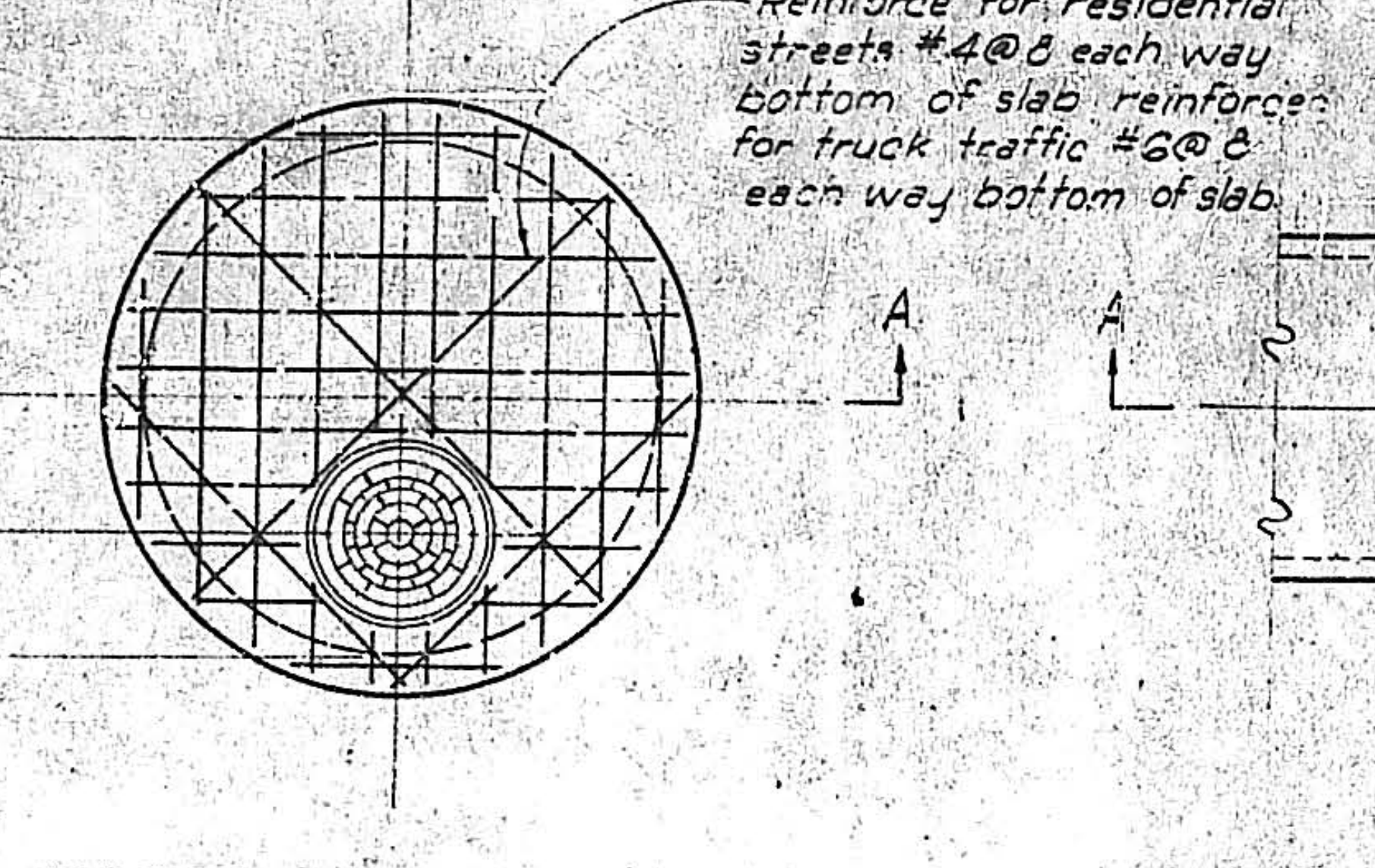
STORM SEWER STANDARDS

DROP INLET DETAILS
DOUBLE C AND SINGLE C

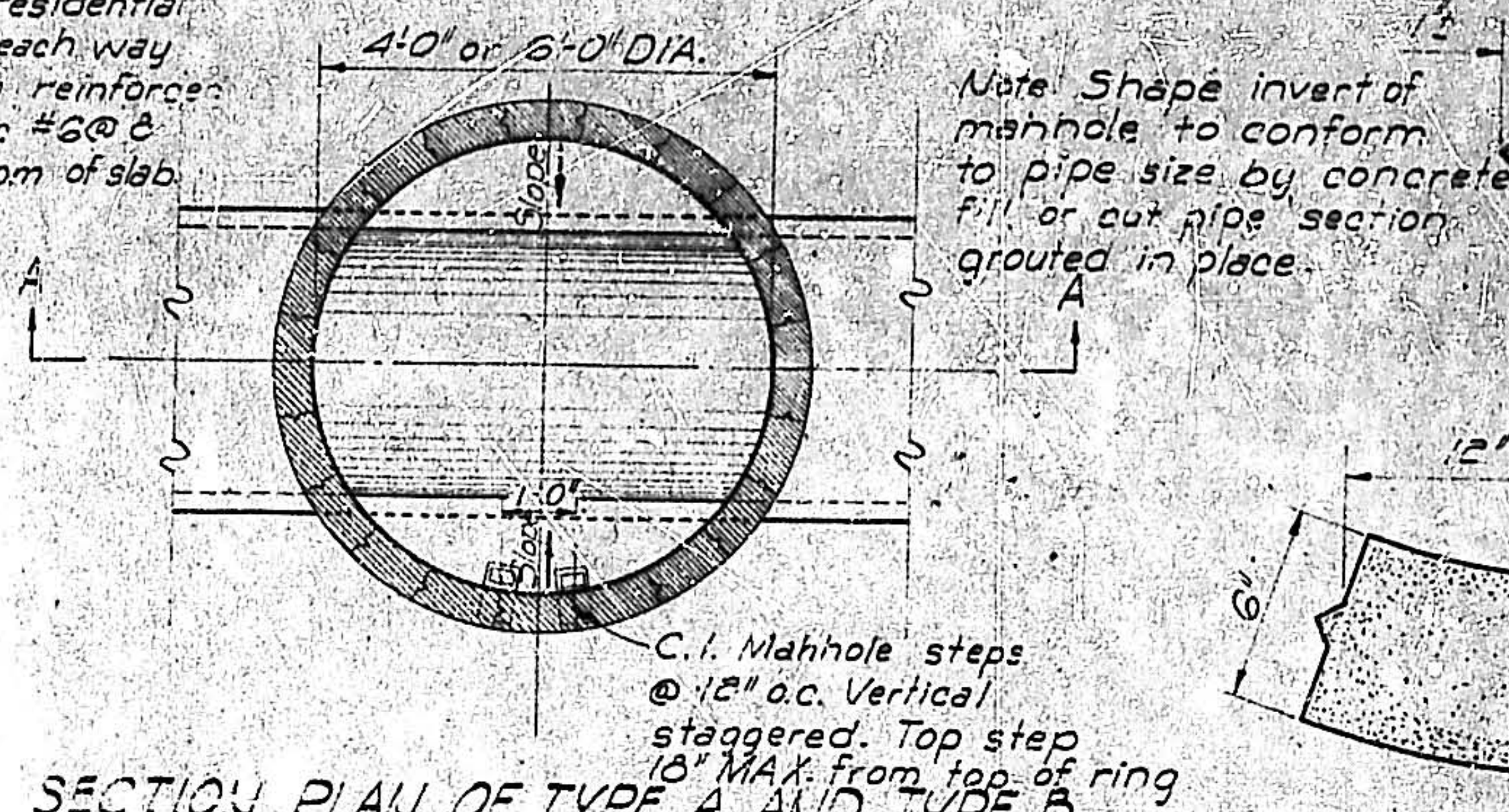
GORDON HERKENHOFF & ASSOCIATES, INC.
CONSULTING ENGINEERS
ALBUQUERQUE NEW MEXICO

SCALE	DATE	DRAWN: G.A.F	SHEET 4
AS SHOWN	OCTOBER 1958	CHECKED: G.A.J.	OF 13

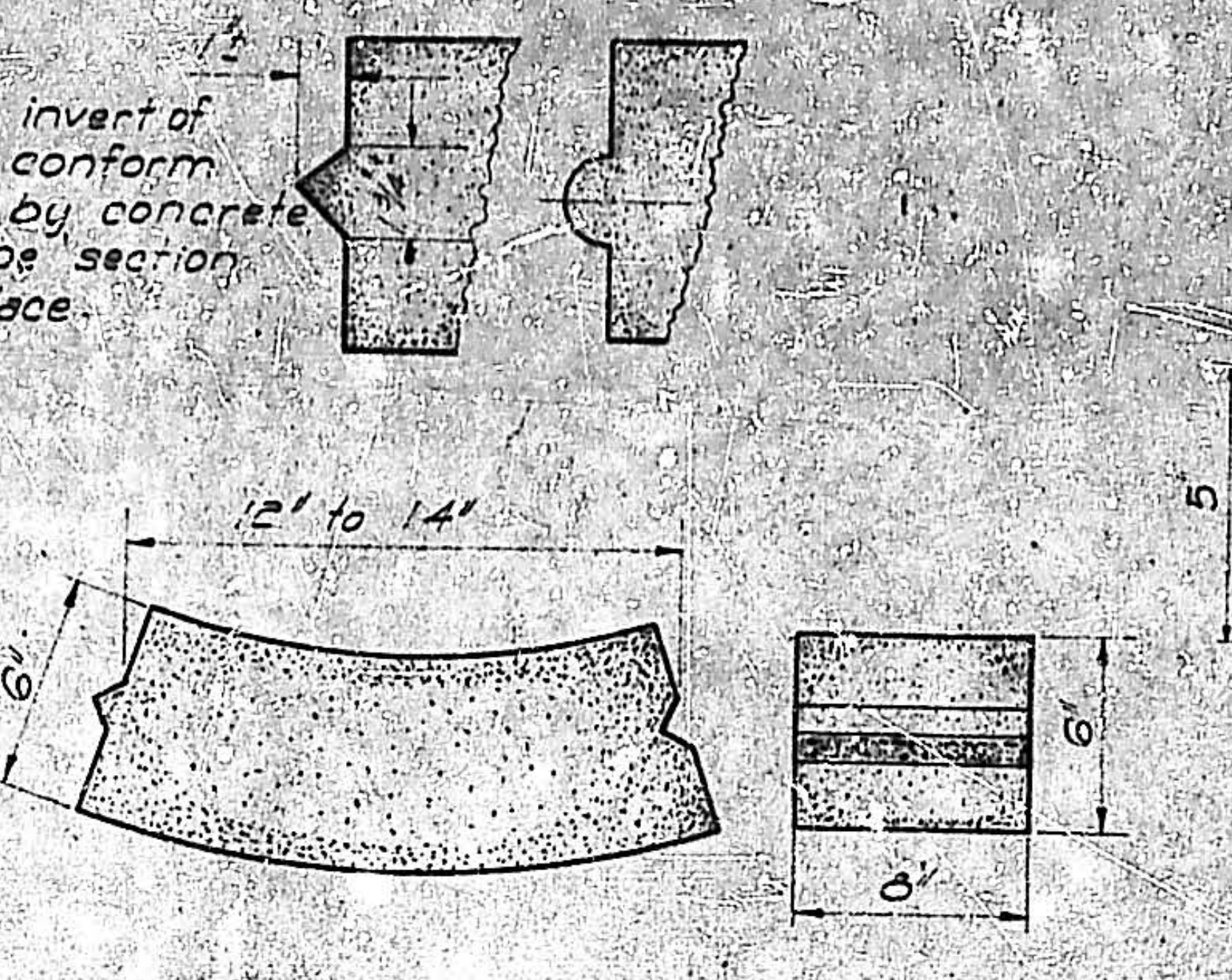
2


Reinforce for residential streets #4@8 each way bottom of slab reinforced for truck traffic #6@8 each way bottom of slab
A
A
4'-0" or 6'-0" DIA.
1'-5"

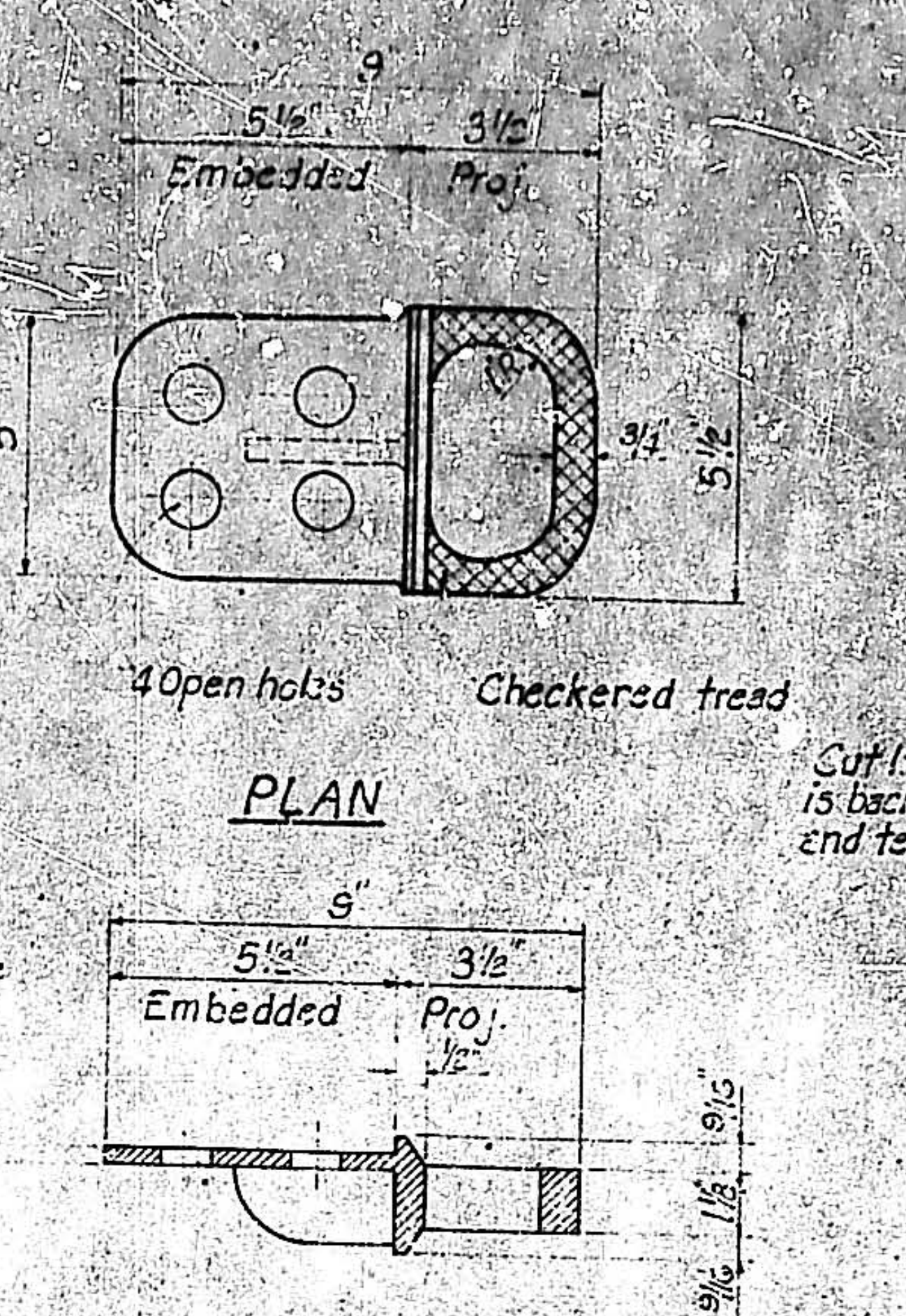
TOP PLAN OF TYPE A
SCALE: 3/8" = 1'-0"


4'-0" or 6'-0" DIA.
Note: Shape invert of manhole to conform to pipe size by concrete fill or cut pipe section grouted in place.
A
A
Slope
1'-0"
Slope
C.I. Manhole steps @ 12" o.c. Vertical staggered. Top step 18" MAX. from top of ring

SECTION PLAN OF TYPE A AND TYPE B
SCALE: 3/8" = 1'-0"

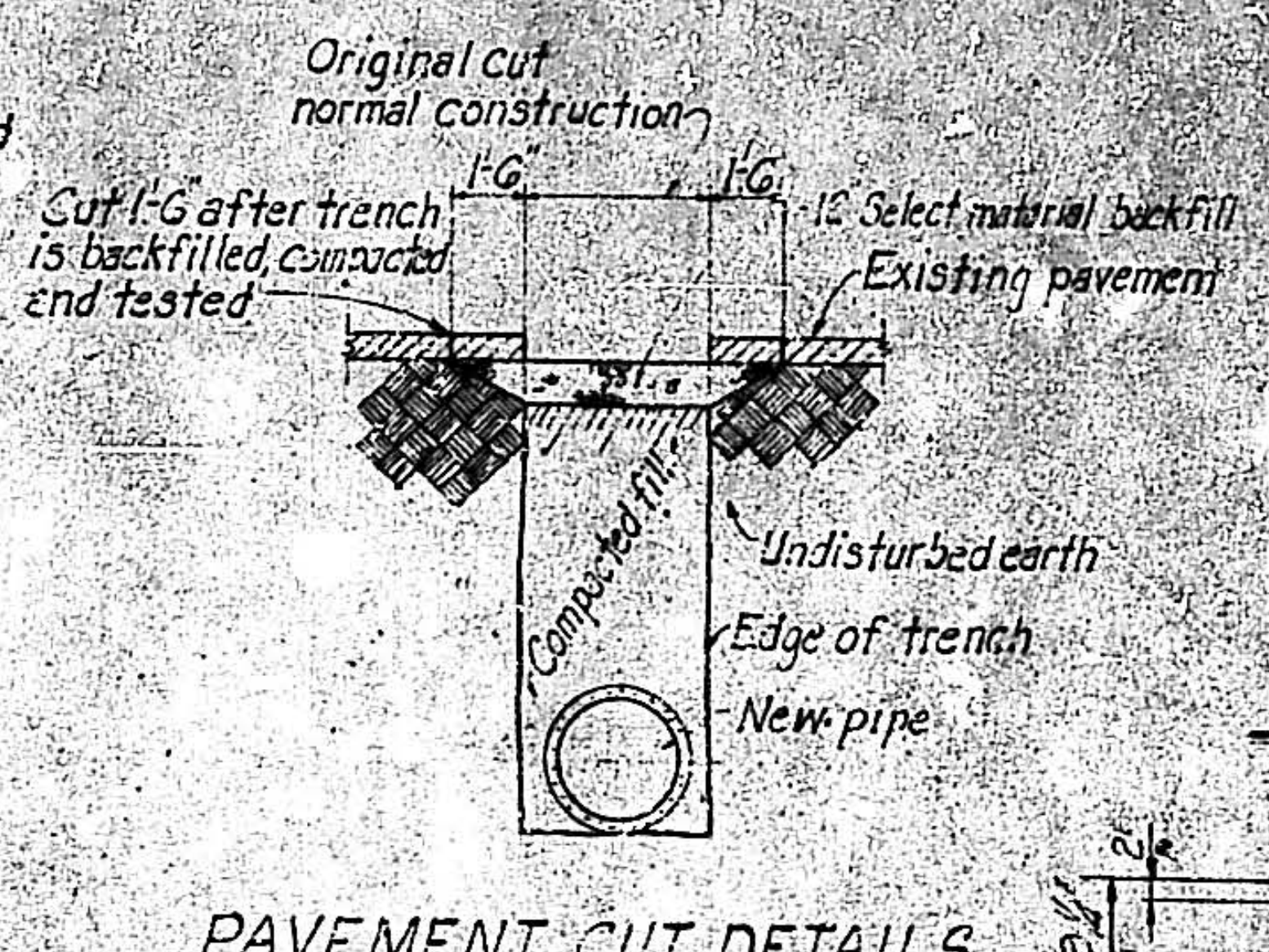

1½
6"
12" to 14"
6"
8"

TYPICAL DETAIL OF CONCRETE BLOCK
SCALE: 1/8" = 1"

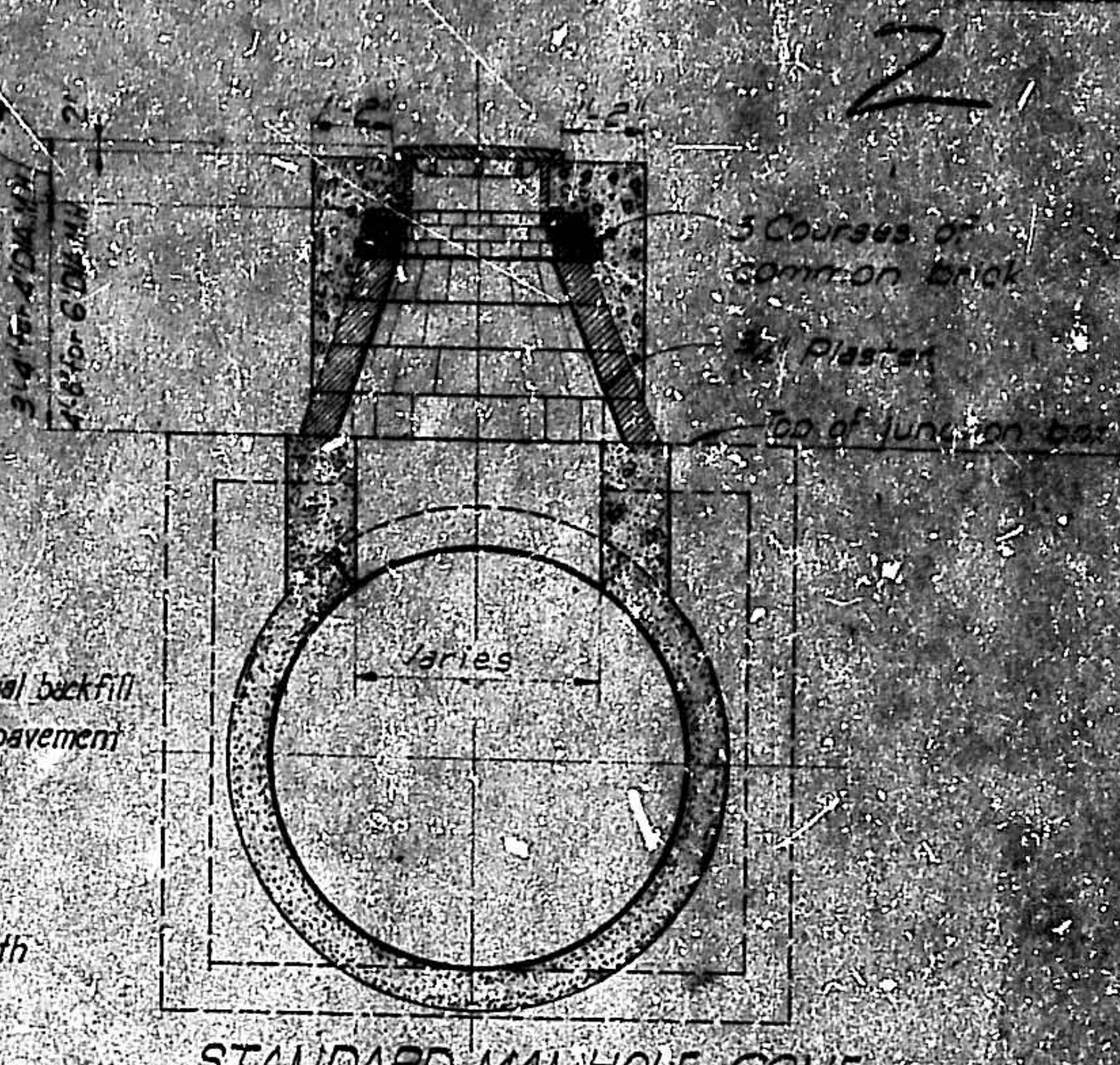

9
5½"
3½"
Embedded
Proj.
5
3/4
5½
4 Open holes
Checkered tread
PLAN
9"
5½"
3½"
Embedded
Proj.
½"
3/8"
9/16
1⅛
9/16
SECTION

SECTION

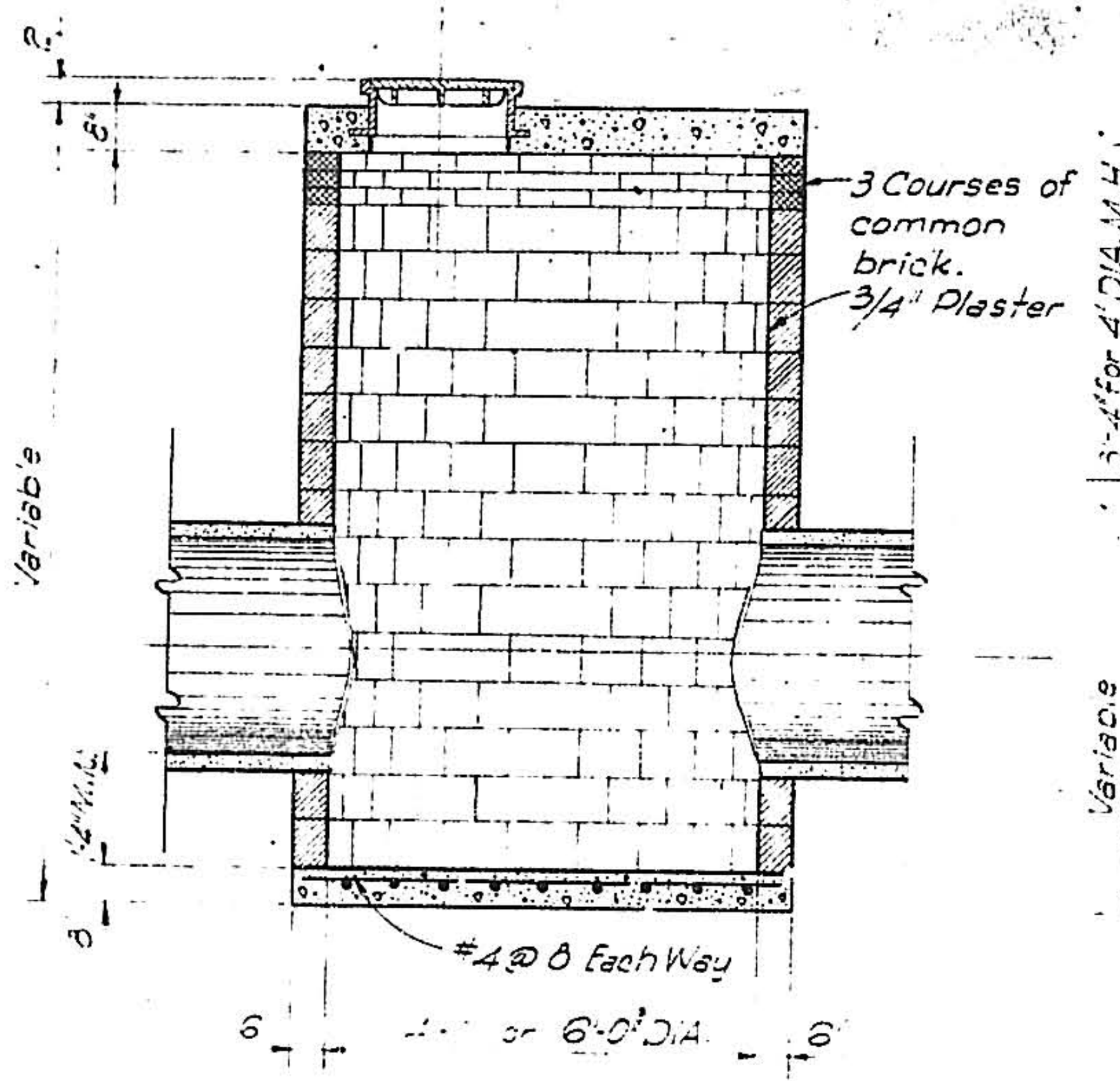
TYPICAL DETAILS OF STANDARD MANHOLE STEPS
SCALE: ½" = 1'-0"


Original cut normal construction
1'-6"
1'-6"
Cut 1'-6 after trench is backfilled, compacted and tested
12 Select material backfill
Existing pavement
Compacted fill
Undisturbed earth
Edge of trench
New pipe

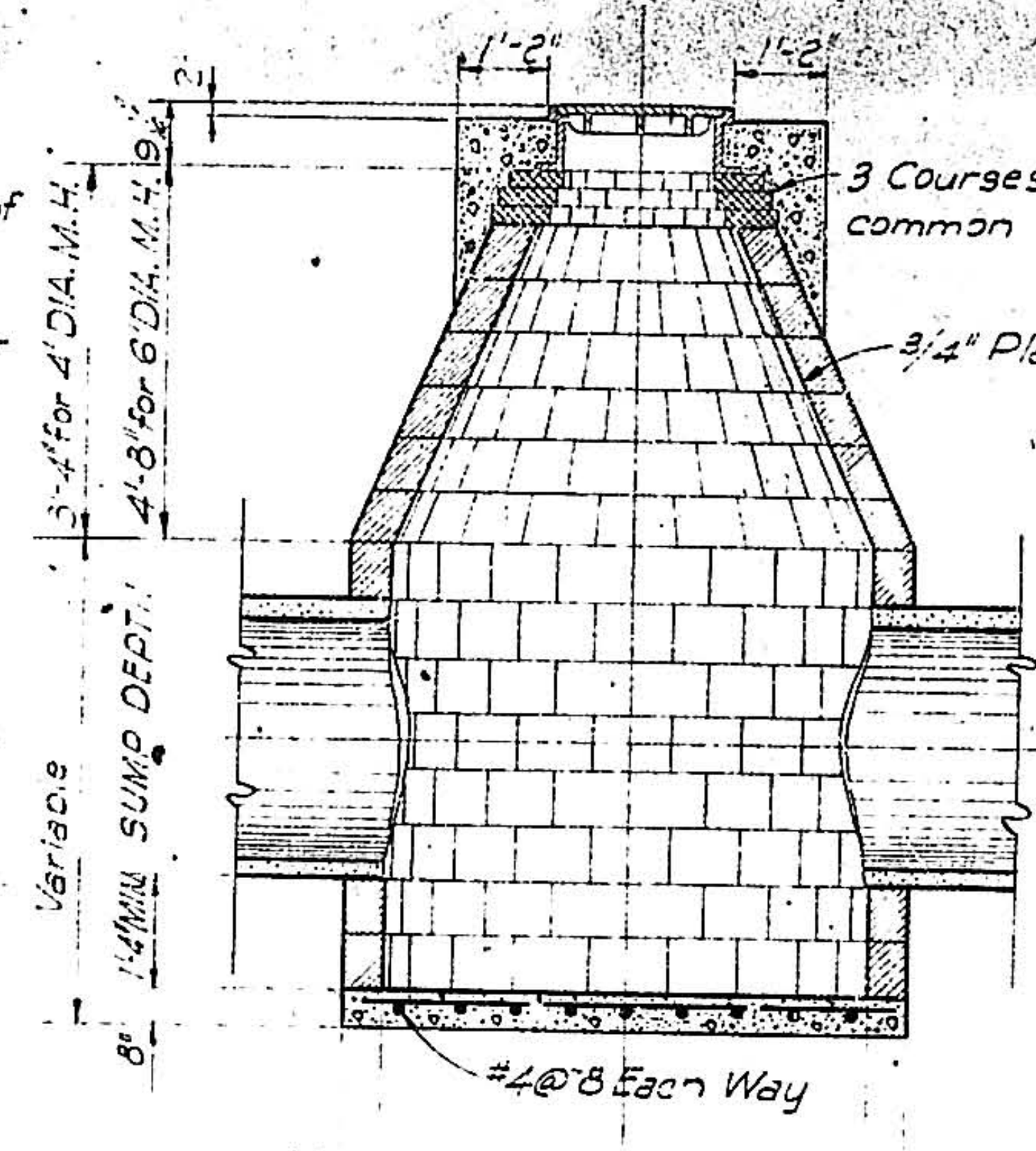
PAVEMENT CUT DETAILS
No Scale


1'-2"
1'-2"
2"
9"
3'-4" for 4' DIA. M.H.
4'-8" for 6' DIA. M.H.
3 Courses of common brick
¾" Plaster
Top of junction box
Varies

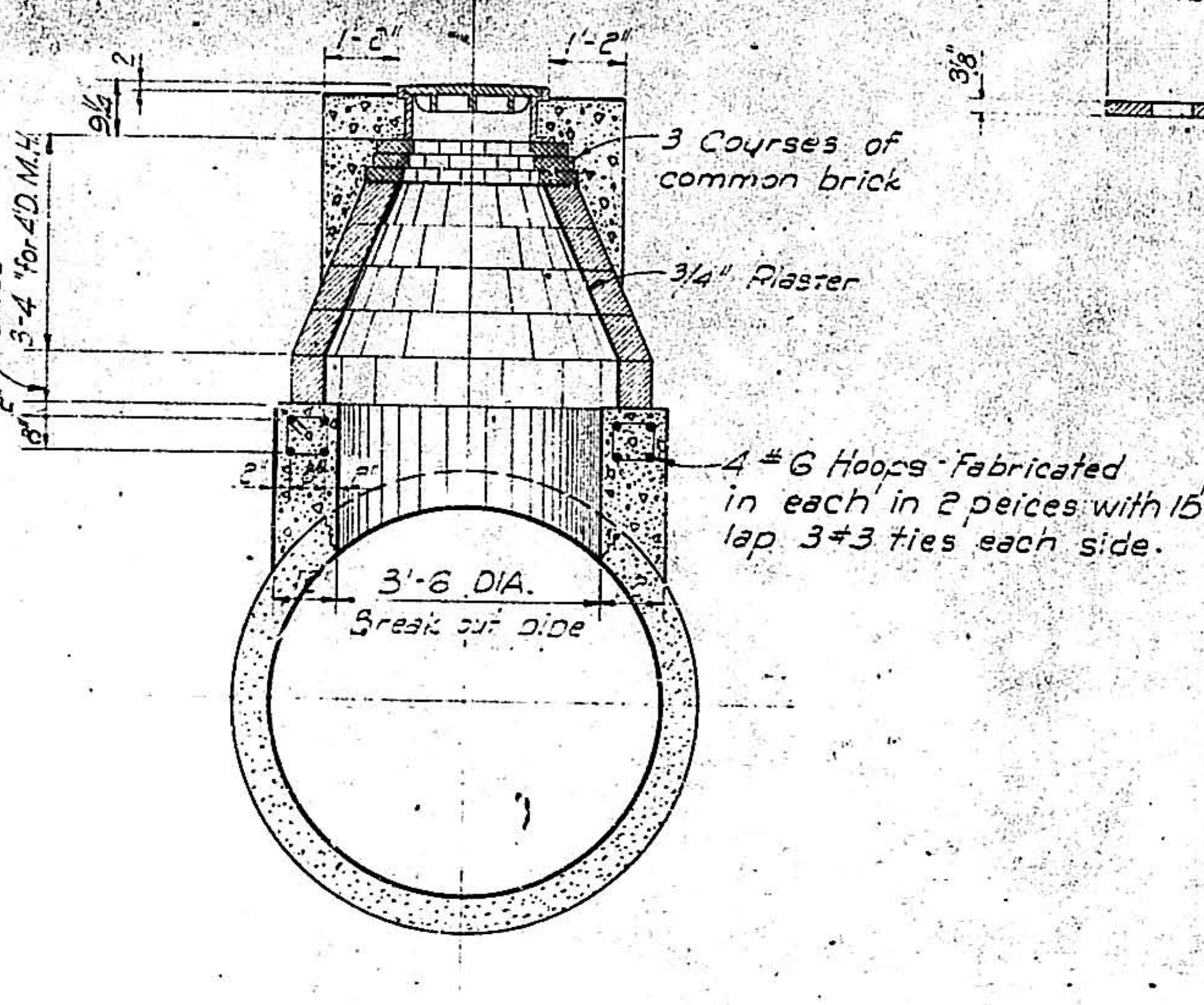
STANDARD MANHOLE CONE
SCALE: 3/8" = 1'-0"


2
8"
3 Courses of common brick.
¾" Plaster
Variable
1¼" MIN.
8"
#4 @ 8 Each Way
6
4'-0" or 6'-0" DIA.
6

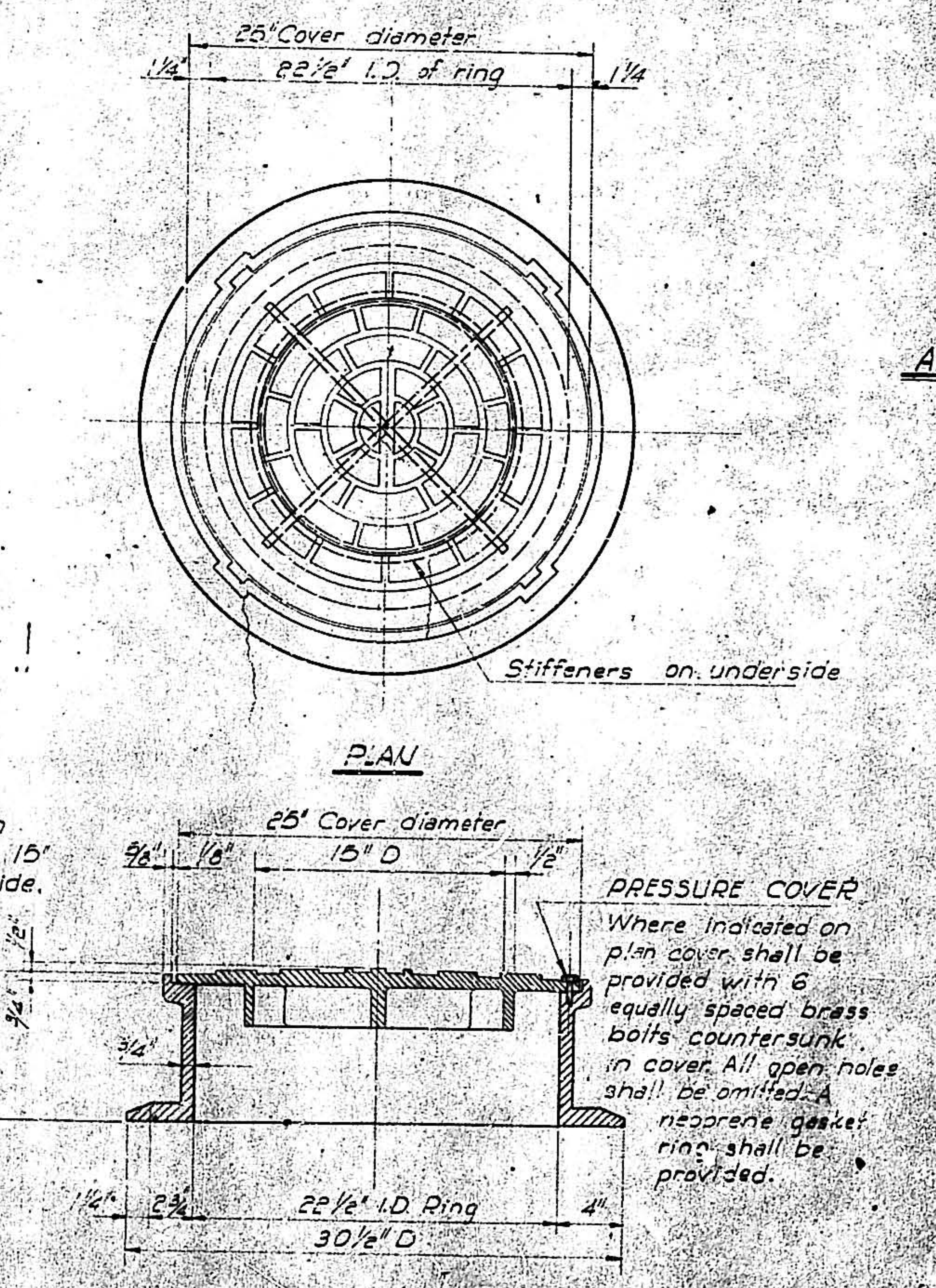
SECTION A-A – TYPE A MANHOLE
(WITH SUMPED INVERT)
SCALE: 3/8" = 1'-0"


1'-2"
1'-2"
2
9¼
3'-4" for 4' DIA. M.H.
4'-8" for 6' DIA. M.H.
3 Courses of common brick
¾" Plaster
Variable
SUMP DEPTH
1¼" MIN.
8"
#4 @ 8 Each Way
6
4'-0" or 6'-0" DIA.
6

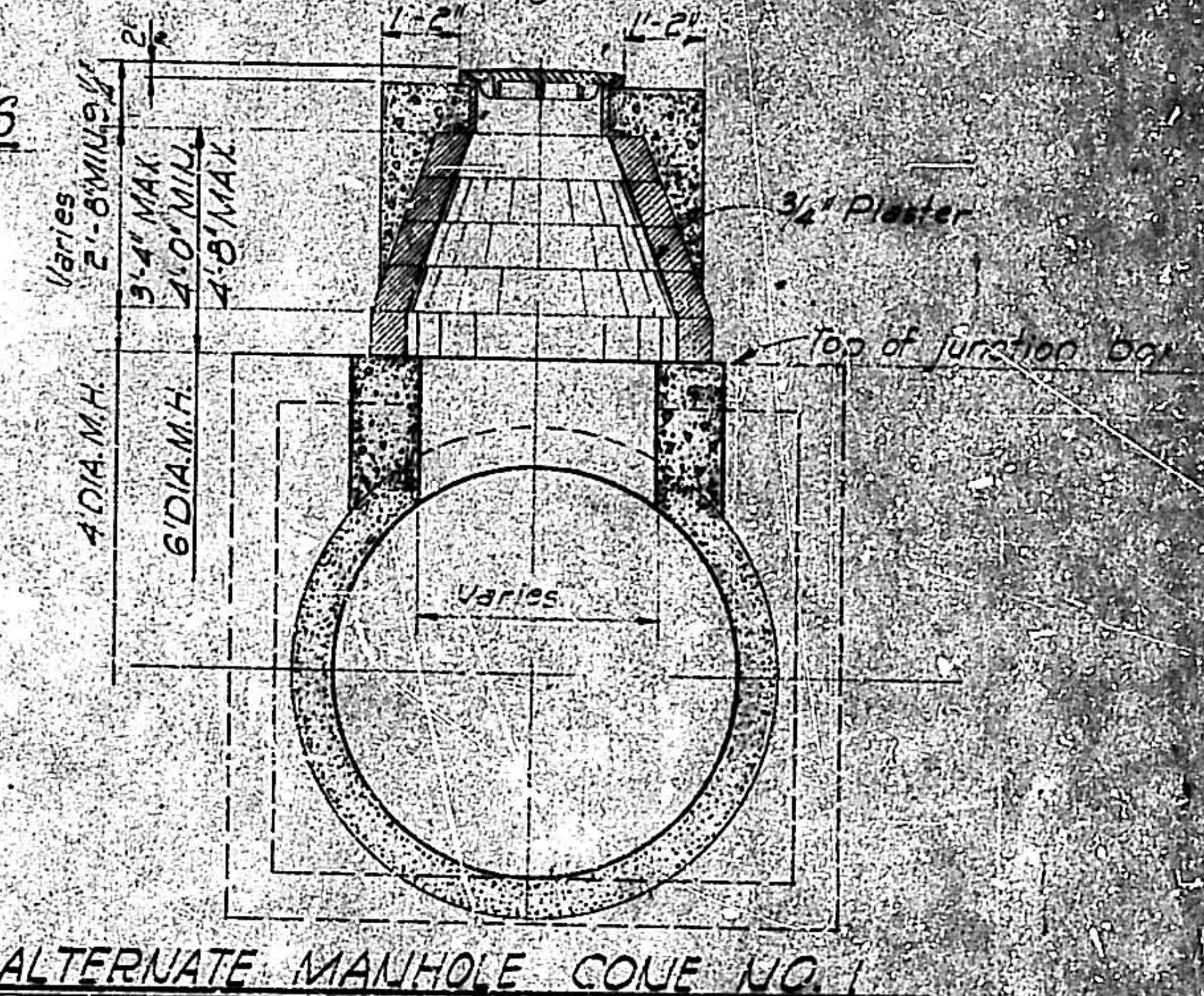
SECTION A-A – TYPE B MANHOLE
(WITH SUMPED INVERT)
SCALE: 3/8" = 1'-0"


1'-2"
1'-2"
9¼
Varies
3'-4" for 4' D.M.H.
8"
2"
3 Courses of common brick
¾" Plaster
4 #6 Hoops - Fabricated in each in 2 peices with 15" lap 3 #3 ties each side.
3'-6 DIA.
Break out pipe

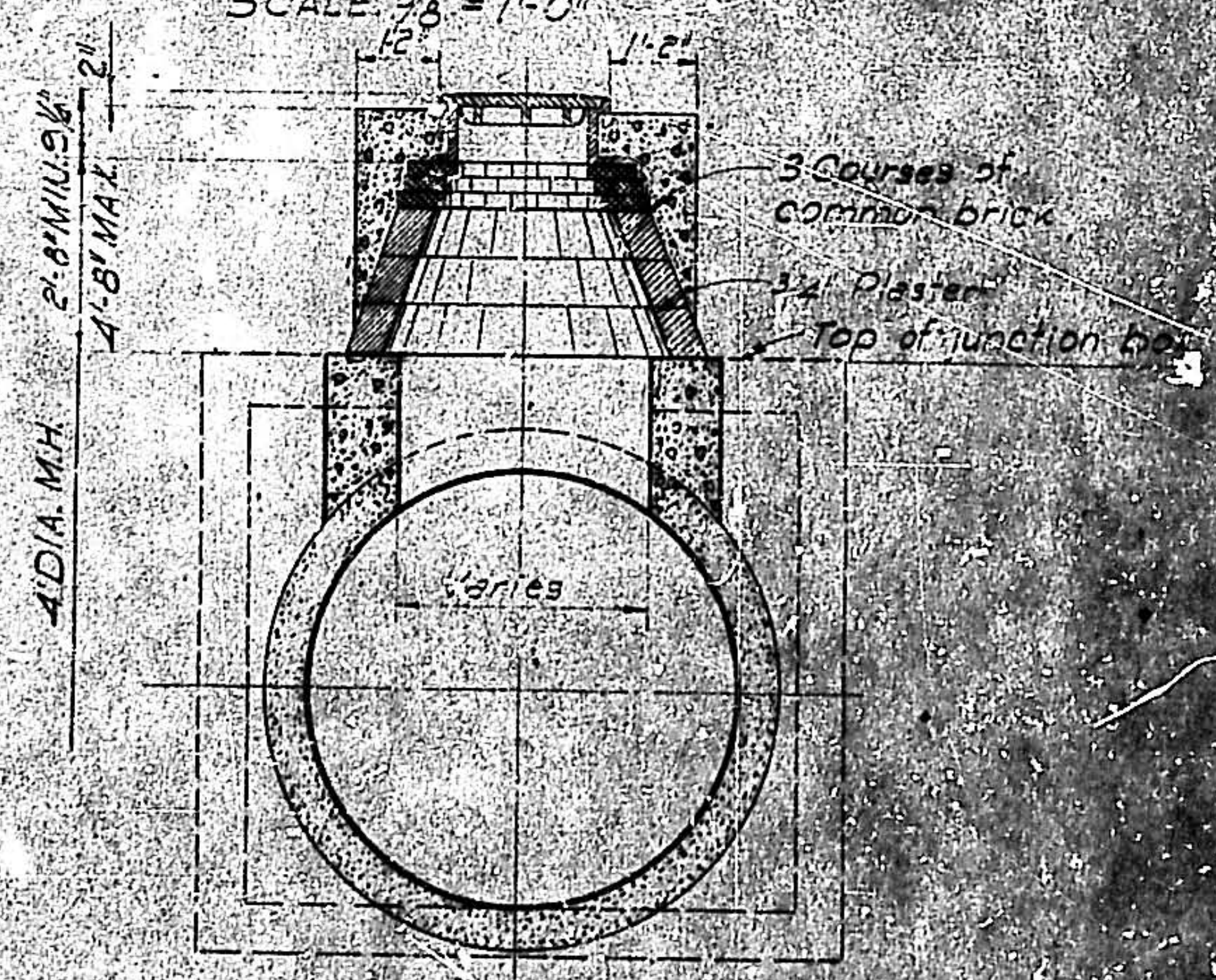
4' DIAMETER
INTERMEDIATE MANHOLE – TYPE C
SCALE: 3/8" = 1'-0"


25" Cover diameter
1¼
22½" I.D. of ring
1¼
Stiffeners on underside
PLAN
25" Cover diameter
5/8"
1/8"
15" D
½"
½"
¾"
9¼"
¾"
PRESSURE COVER
Where indicated on plan cover shall be provided with 6 equally spaced brass bolts countersunk in cover. All open holes shall be omitted. A neoprene gasket ring shall be provided.
1¼"
2¾
22½" I.D. Ring
4"
30½" D
SECTION

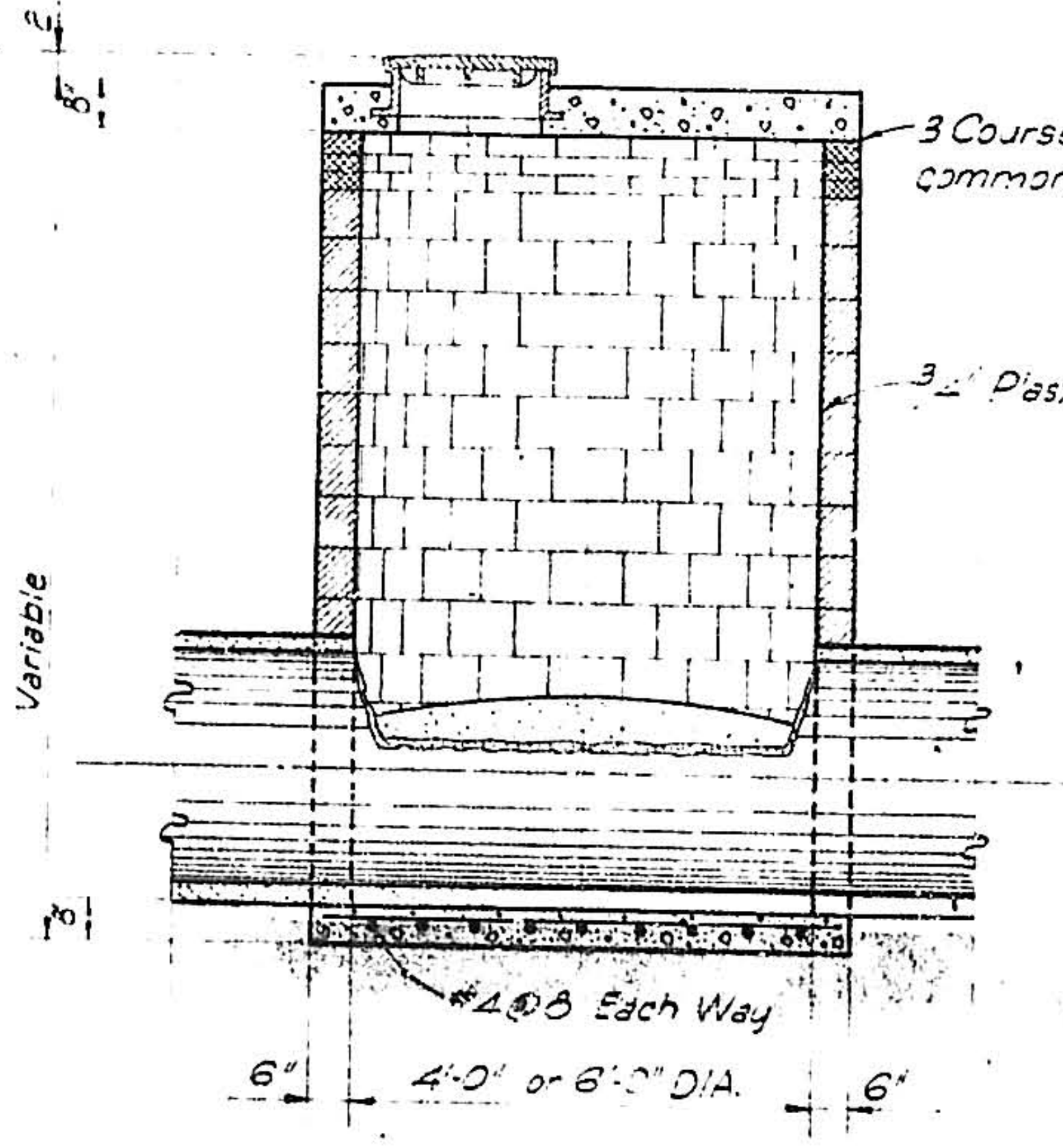
TYPICAL DETAILS OF CAST IRON MANHOLE RING AND COVER
SCALE: 1/8" = 1"


1'-2"
1'-2"
2"
Varies
2'-8" MIN. 9¼"
3'-4" MAX.
4'-0" MIN.
4'-8" MAX.
4' DIA. M.H.
6' DIA. M.H.
¾" Plaster
Top of junction box
Varies

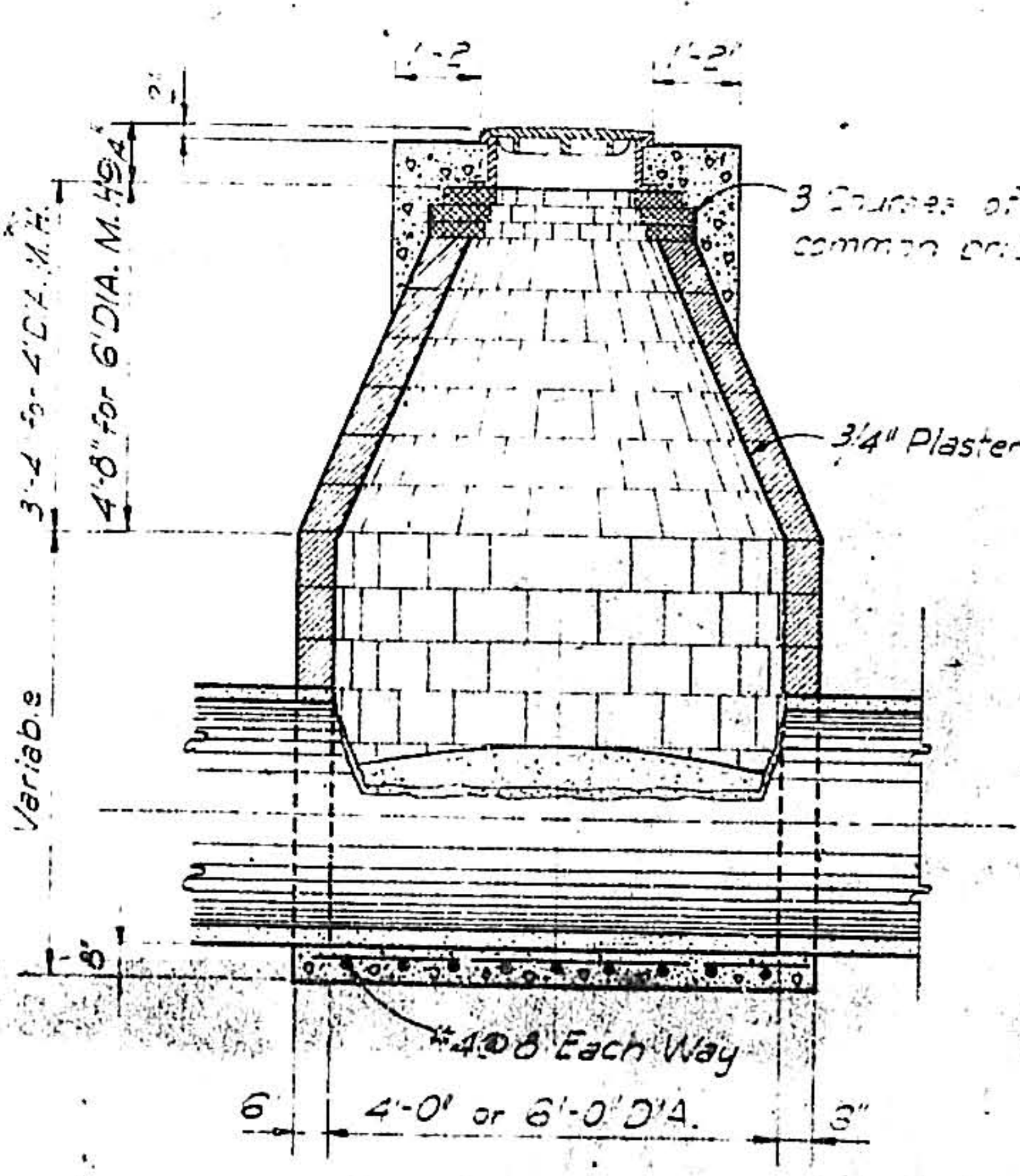
ALTERNATE MANHOLE CONE NO. 1
SCALE: 3/8" = 1'-0"


1'-2"
1'-2"
2"
2'-8" MIN. 9¼
4'-8" MAX.
4' DIA. M.H.
3 Courses of common brick
¾" Plaster
Top of junction box
Varies

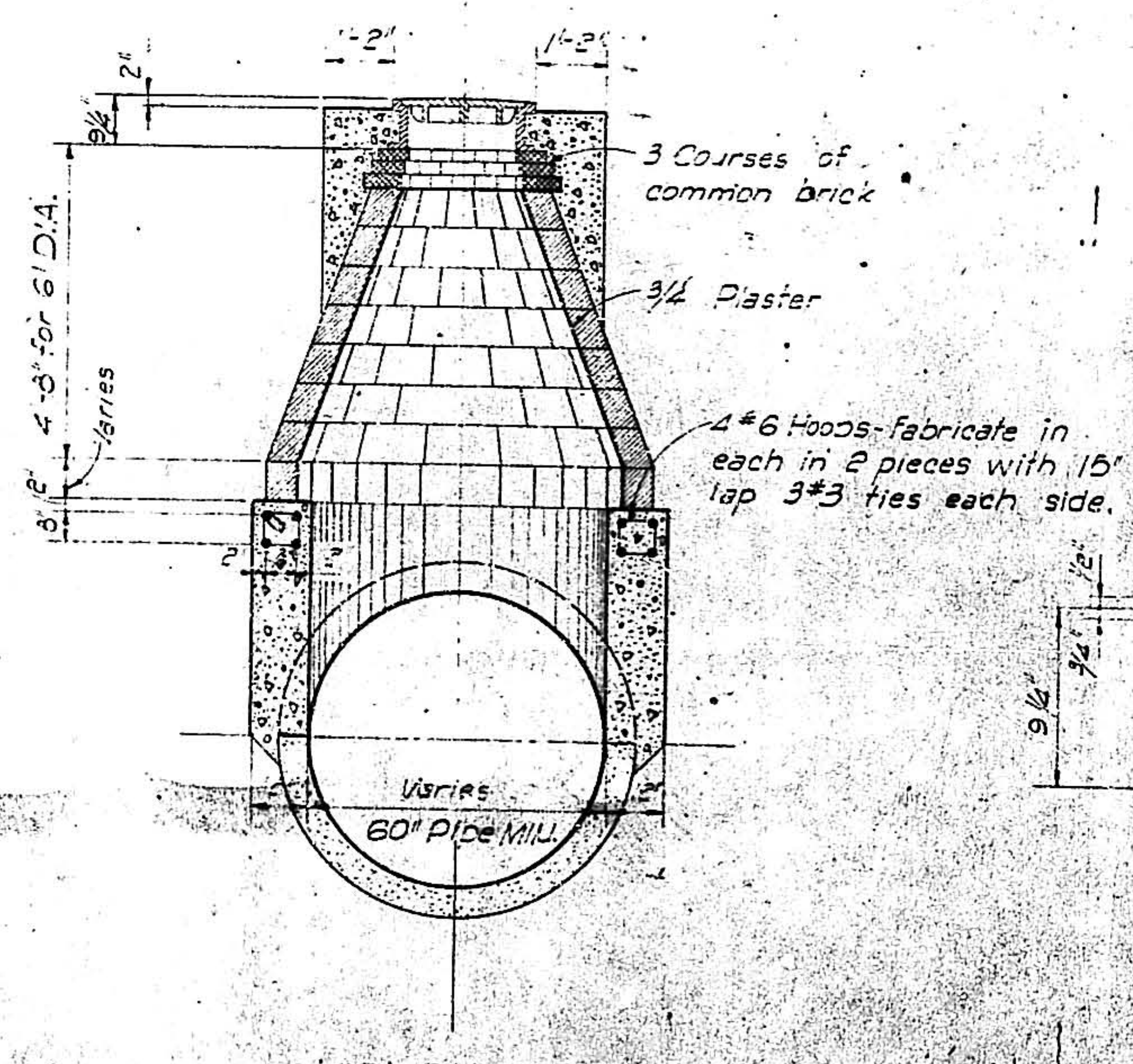
ALTERNATE MANHOLE CONE NO. 2
SCALE: 3/8" = 1'-0"


2
8"
3 Courses of common brick
¾" Plaster
Variable
8"
#4 @ 8 Each Way
6"
4'-0" or 6'-0" DIA.
6"

SECTION A-A – TYPE A MANHOLE
(STANDARD INVERT)
SCALE: 3/8" = 1'-0"


1'-2
1'-2"
2
9¼
3'-4" for 4' D.M.H.
4'-8" for 6' DIA. M.H.
3 Courses of common brick
¾" Plaster
Variable
8"
#4 @ 8 Each Way
6
4'-0" or 6'-0" DIA.
3"

SECTION A-A – TYPE B MANHOLE
(STANDARD INVERT)
SCALE: 3/8" = 1'-0"


1'-2"
1'-2"
2"
9¼
3'-4" for 4' DIA.
4'-8" for 6' DIA.
Varies
8"
3 Courses of common brick
¾ Plaster
4 #6 Hoops - Fabricate in each in 2 pieces with 15" lap 3 #3 ties each side.
Varies
60" Pipe MIN.

6' DIAMETER
INTERMEDIATE MANHOLE – TYPE C
SCALE: 3/8" = 1'-0"

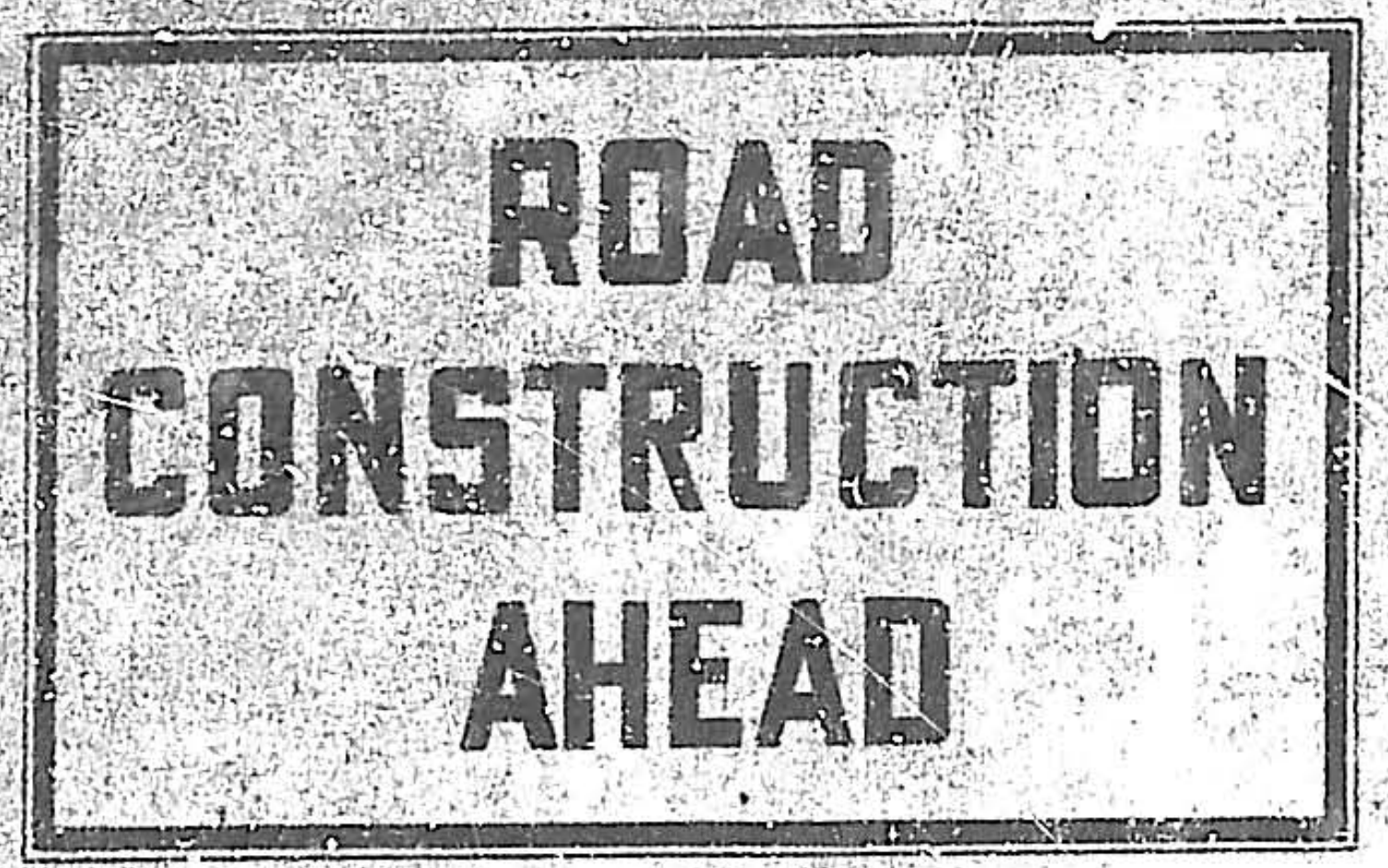
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
1	0		1	3	0		0	5	6	1				1	0													

ALBUQUERQUE, NEW MEXICO
STORM SEWER STANDARDS

PAVEMENT CUT AND
MANHOLE DETAILS

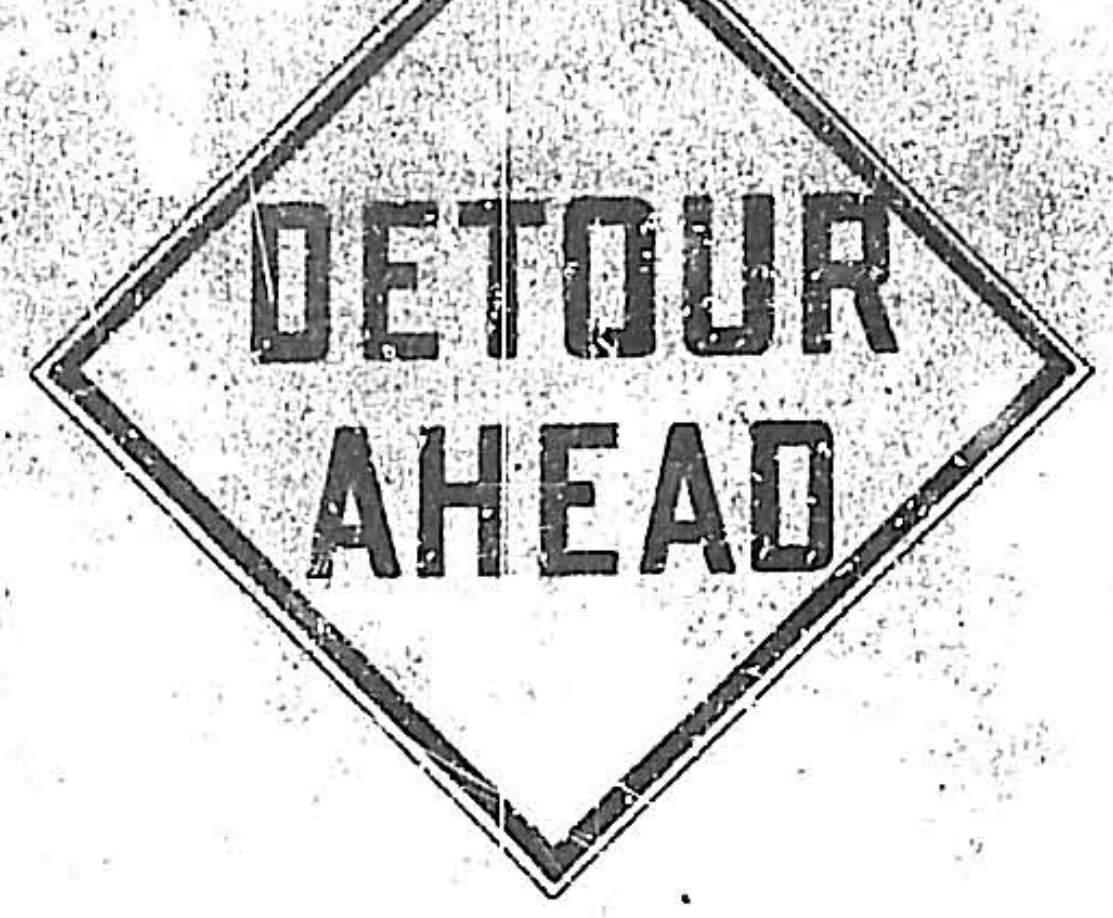
GORDON HERKENHOFF & ASSOCIATES, INC.
CONSULTING ENGINEERS
ALBUQUERQUE NEW MEXICO

SCALE	DATE	DRAWN: R.A.G.	SHEET 5
AS SHOWN	MAY 1960	CHECKED: G.A.I.	OF 13

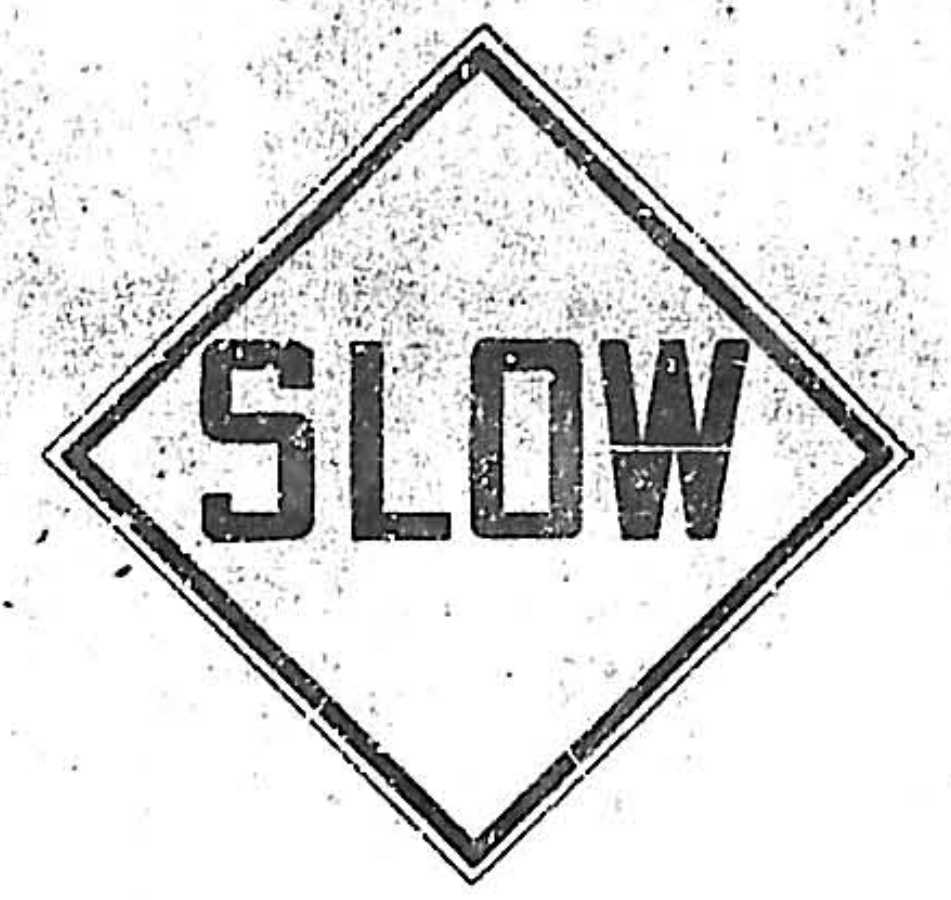

ROAD
CONSTRUCTION
AHEAD

C-60
36"x60" Black on White
Letters 6" Series C.
Reflectorize with O.D. 425 buttons 7/8 O.C.

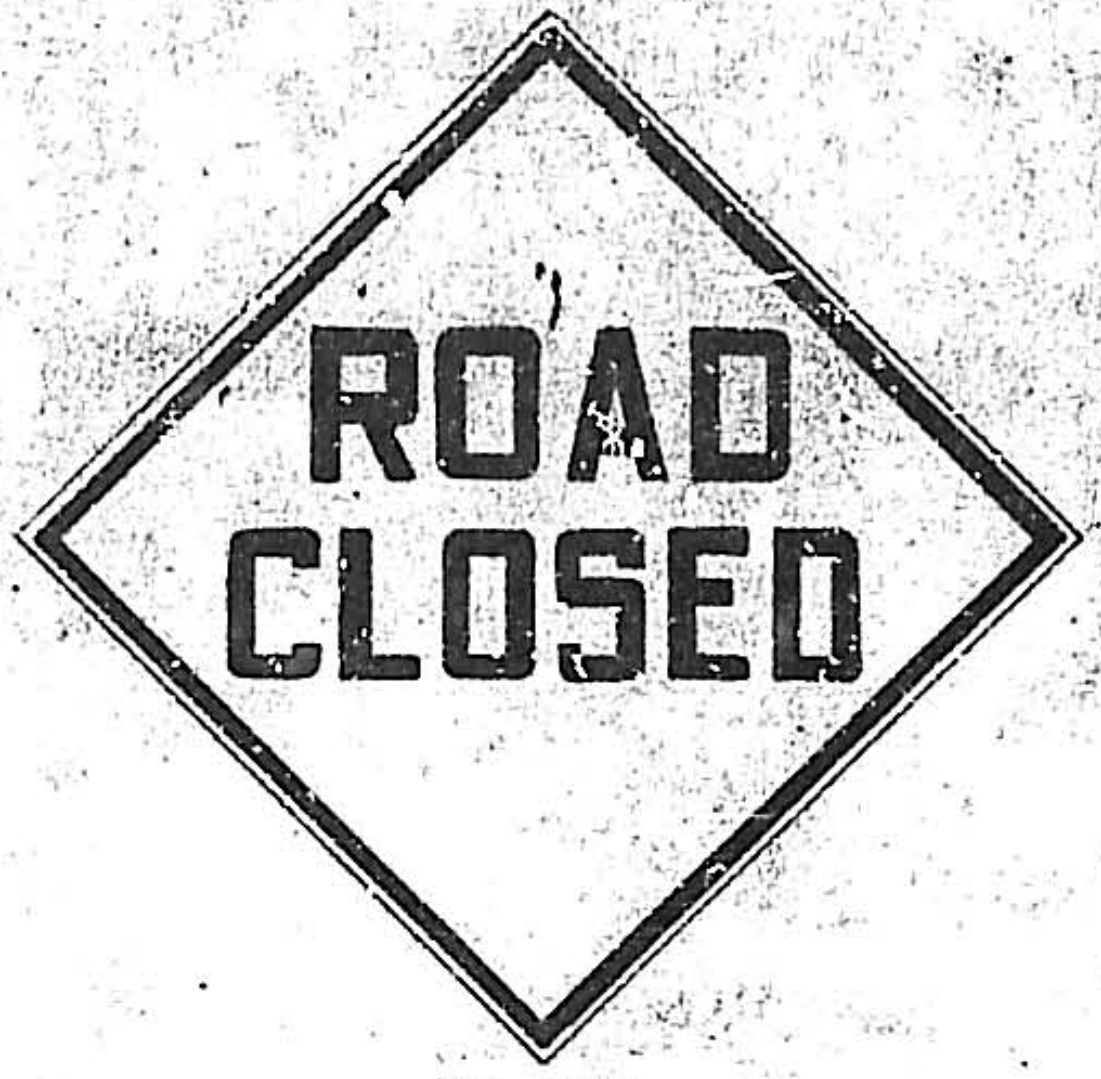
O.D. = Optical Diameter


DETOUR
AHEAD

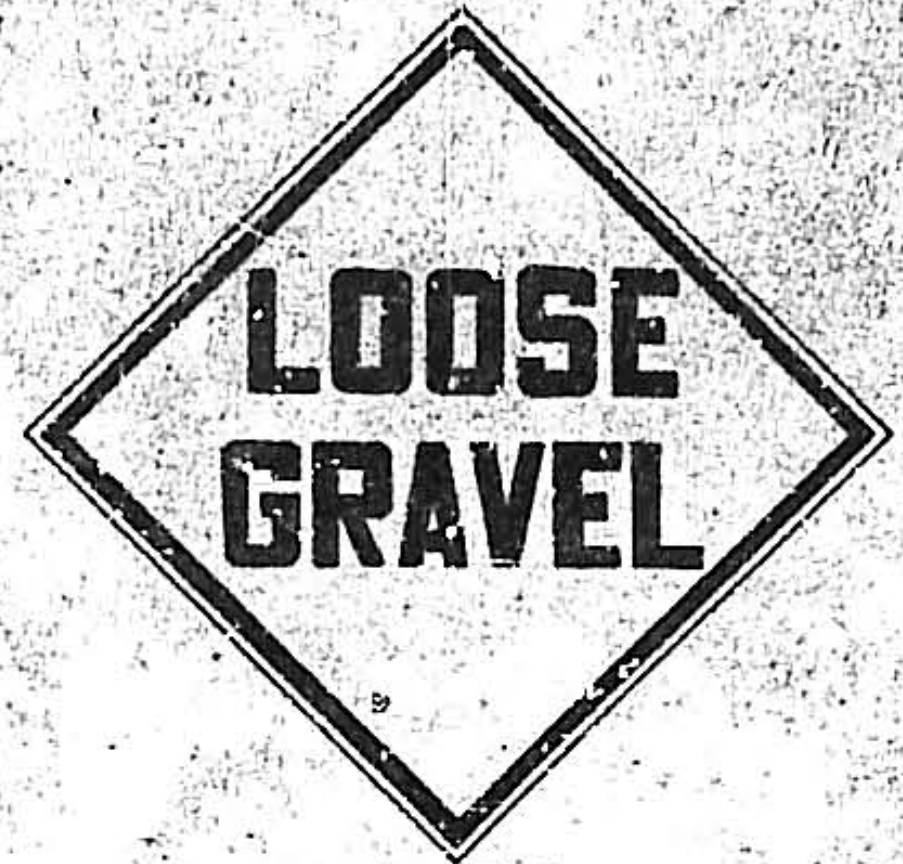
C-28
30"x30" Black on Yellow
Letters 6" Series C.
Reflectorize with O.D. 0.425 buttons 7/8" O.C.



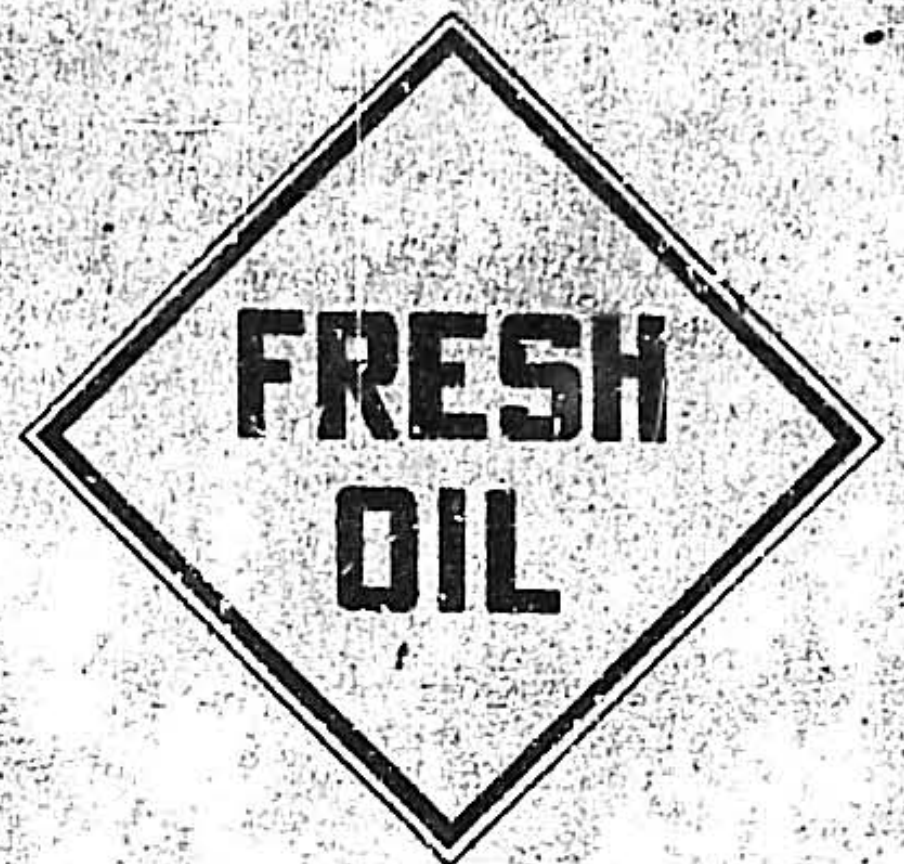
C-50
24"x24" Black on Yellow
Letters 8" Series B.
Reflectorize with O.D. 0.610 1 1/8" O.C.


ROAD
CLOSED

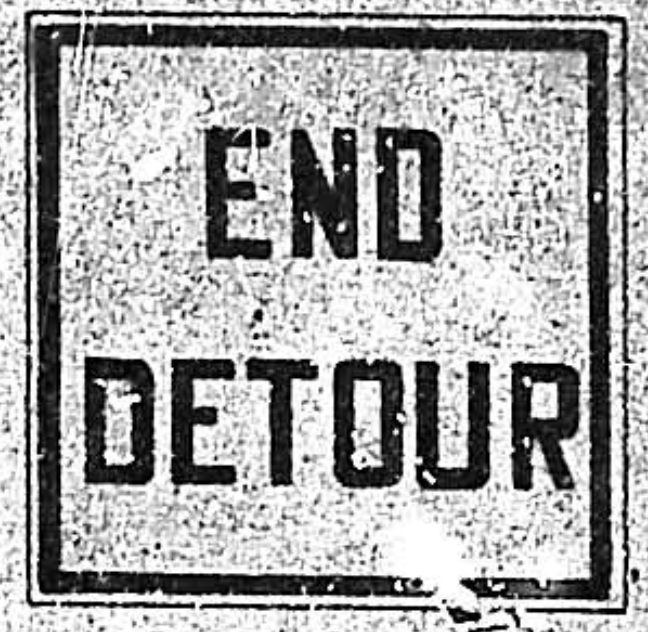
C-26
30"x30" Black on Yellow. Letters 6" Series C
Reflectorize with O.D. 0.425 buttons 7/8" O.C.


LOOSE
GRAVEL

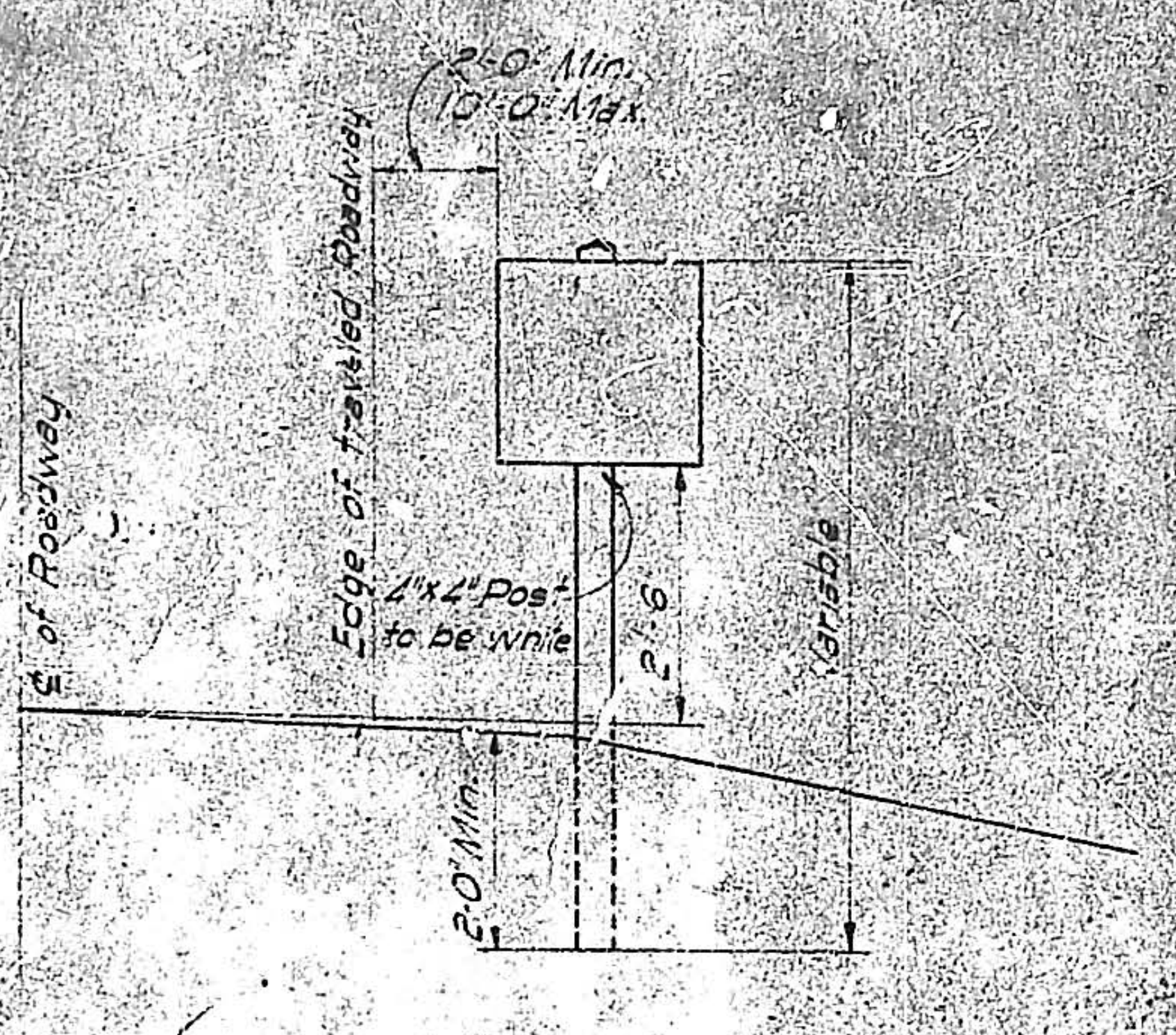
C-55
24"x24" Black on Yellow
Letters 5" Series C.
Reflectorized.



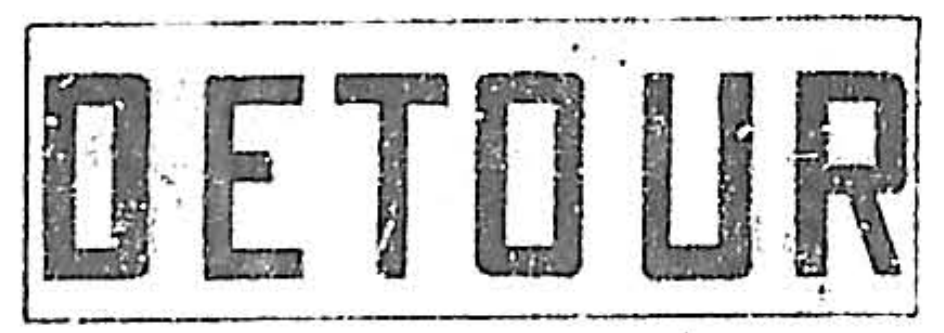
C-64
24"x24" Black on Yellow
Letters 5" Series C.
Reflectorized



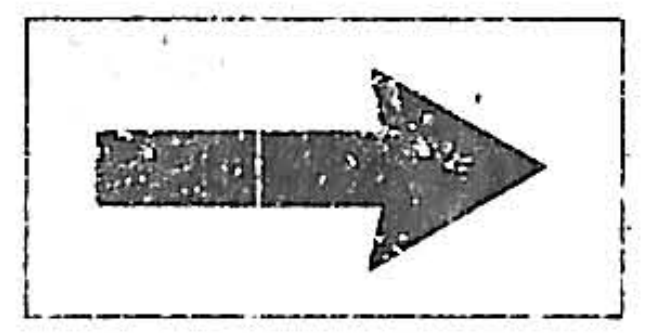
C-87
24"x24" Black on Yellow
Letters 5" Series C.
Reflectorized.


2'-0" Min.
10'-0" Max.
℄ of Roadway
Edge of traveled Roadway
4"x4" Post to be white
2'-6"
Variable
2'-0" Min.

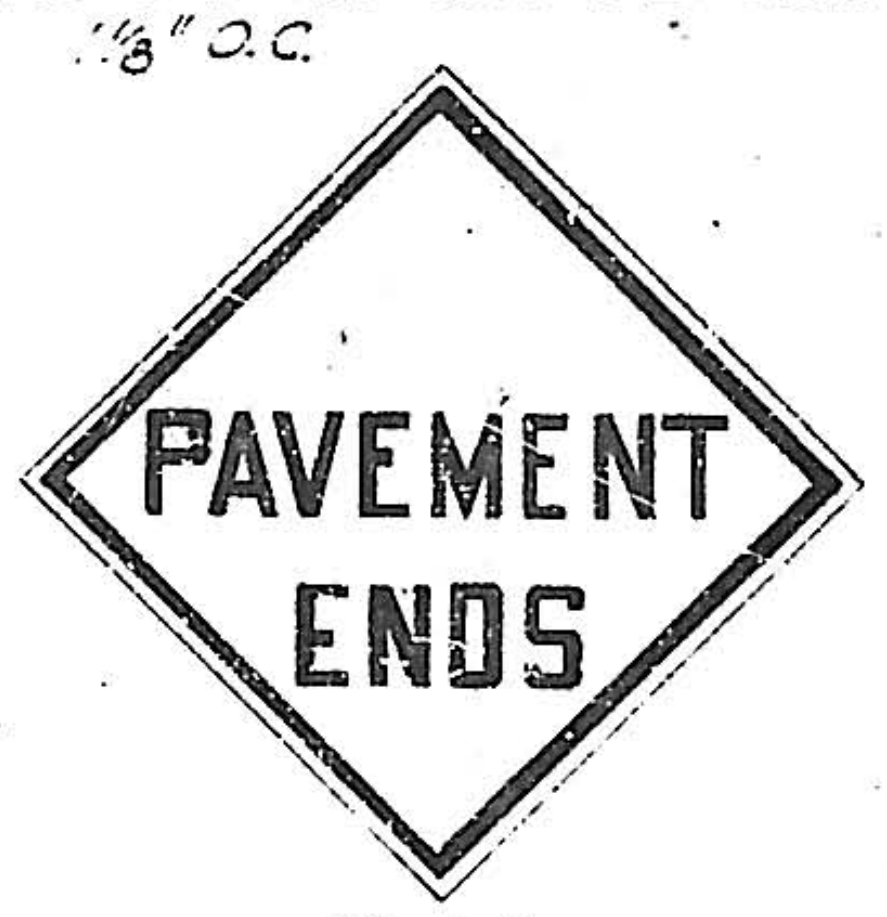
PLACEMENT OF SIGNS



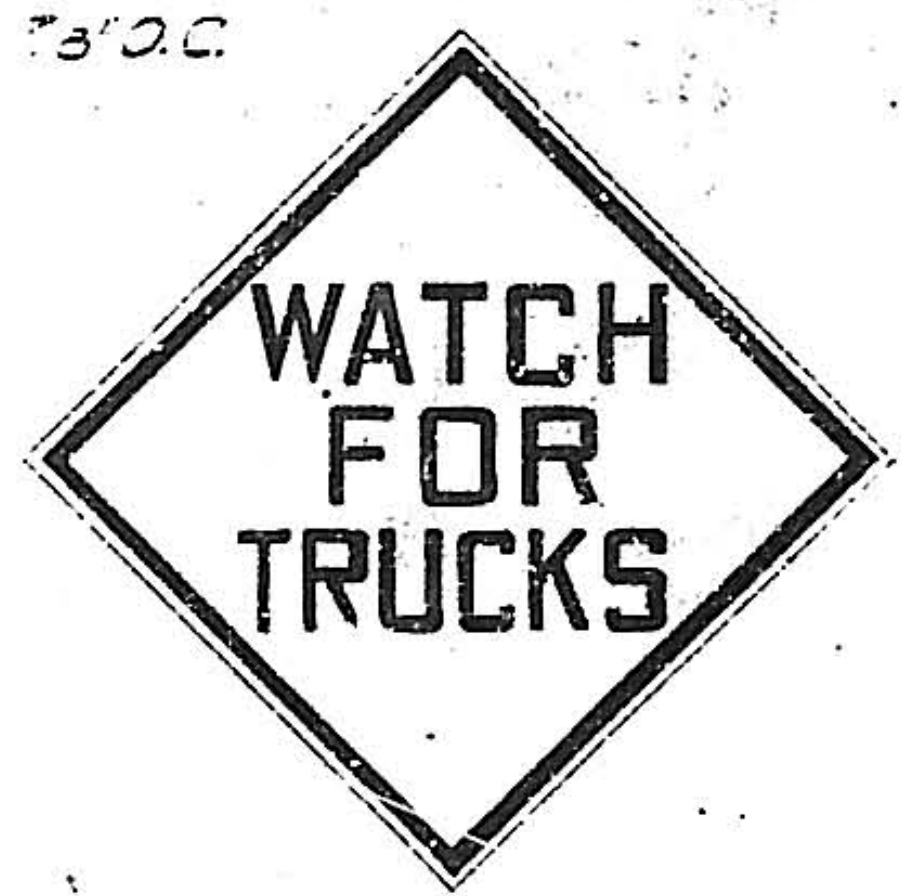
D-31
12"x36" Black on White.
Letters 8" Series C.
Reflectorize with O.D. 0.610 buttons.



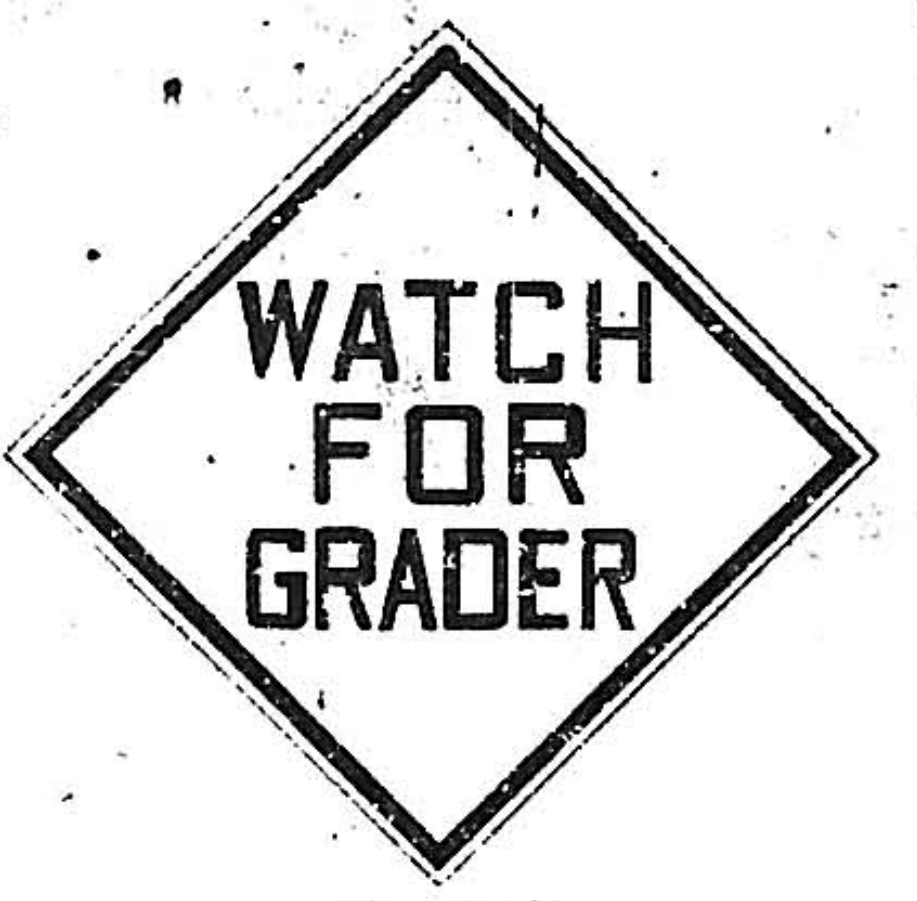
D-32
12"x24" Black on White
Reflectorize shank with O.30 buttons 1/2" O.C., Head with O.D. 0.610 buttons 1 1/8 O.C. min.


PAVEMENT
ENDS

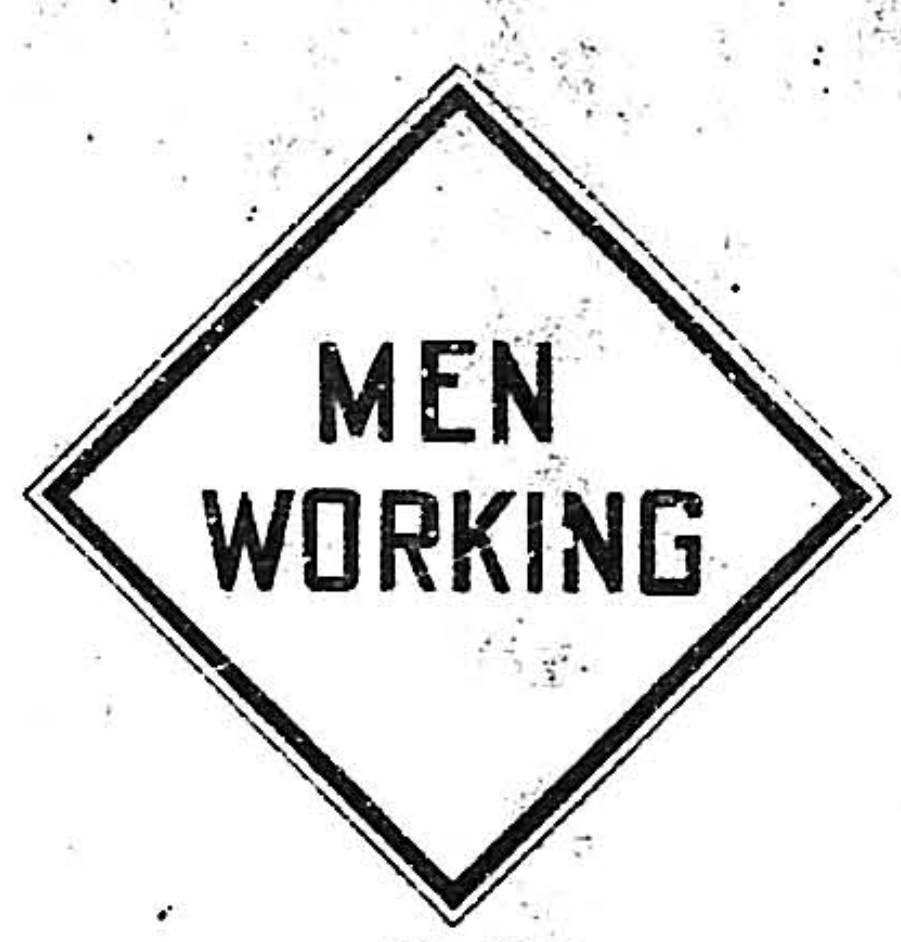
D-14
24"x24" Black on Yellow.
Letters 4" Series C.
Reflectorized.


WATCH
FOR
TRUCKS

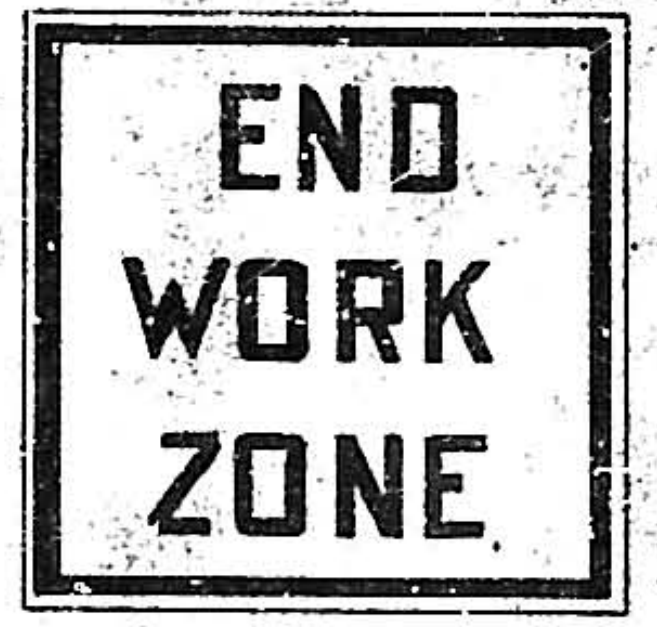
C-67
24"x24" Black on Yellow.
Letters 4" Series B
Plain


WATCH
FOR
GRADER

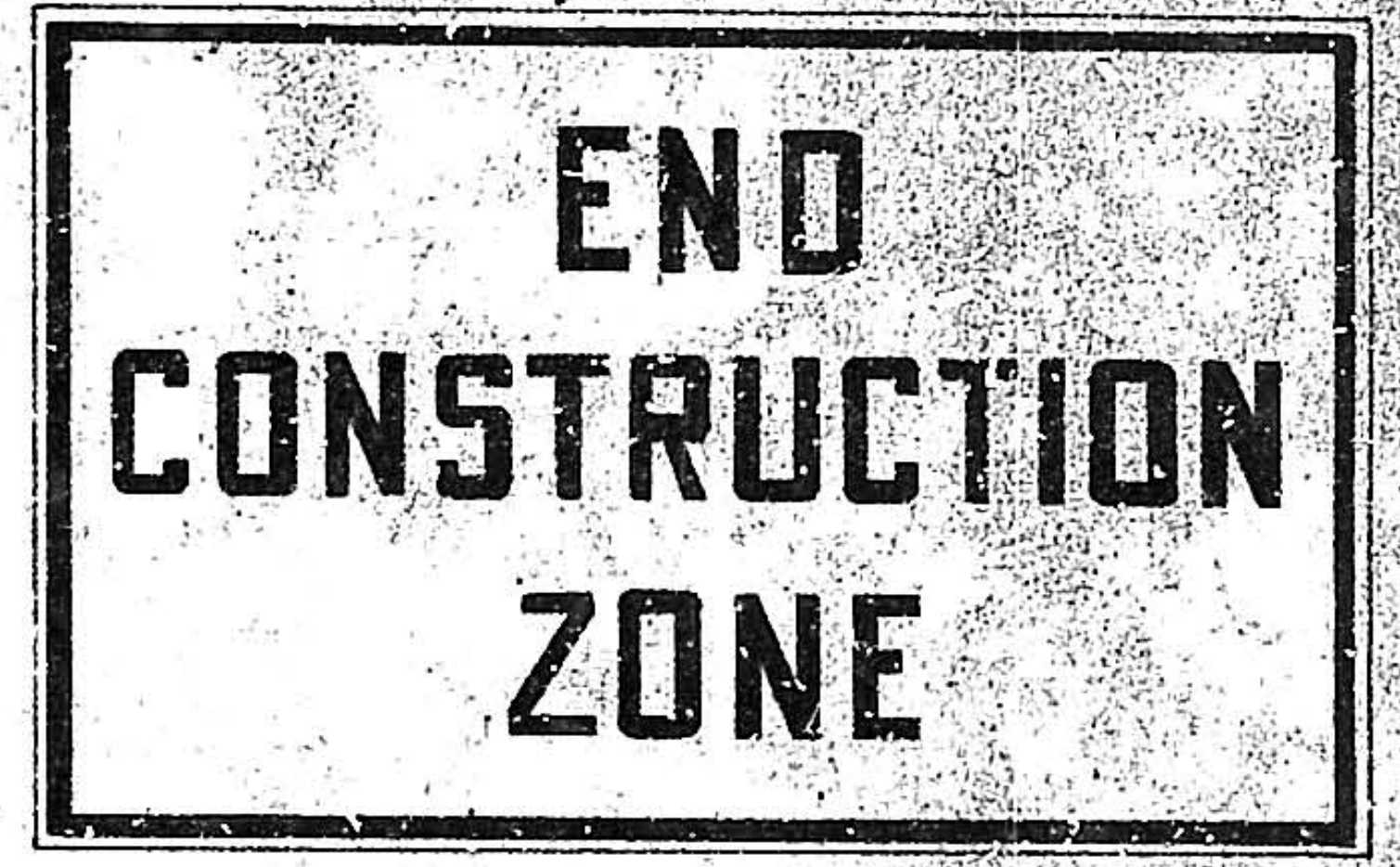
C-69
24"x24" Black on Yellow.
Letters 4" Series B
Plain


MEN
WORKING

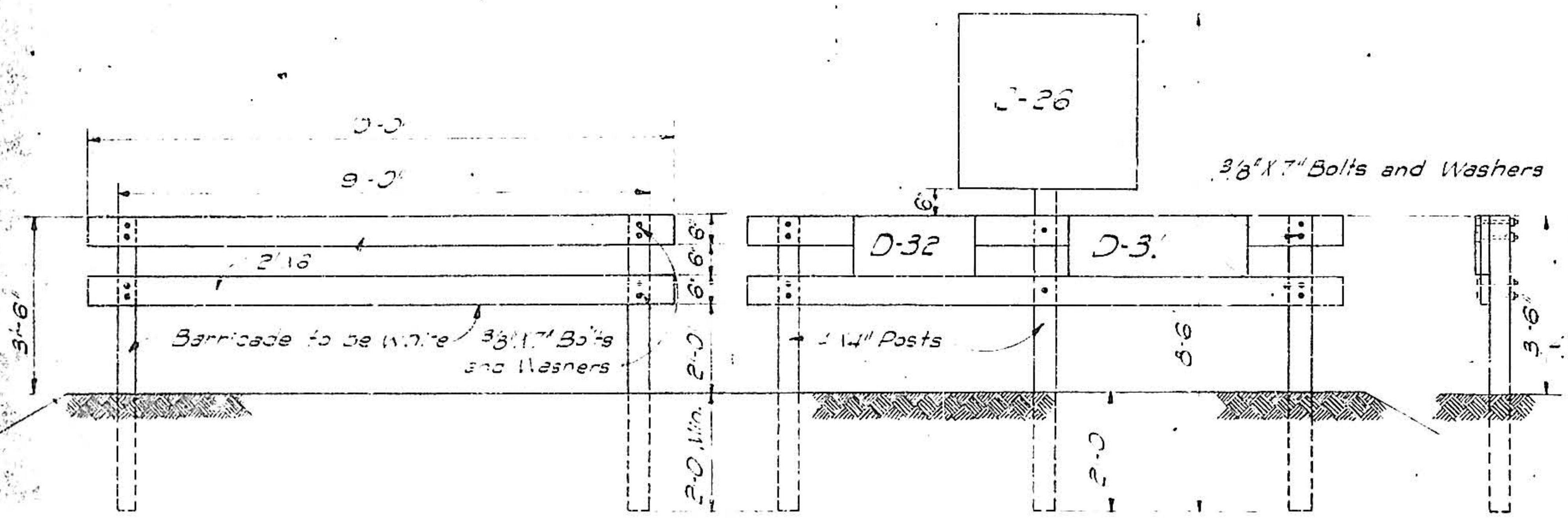
C-29
24"x24" Black on Yellow.
Letters 4" Series C.
Plain


END
WORK
ZONE

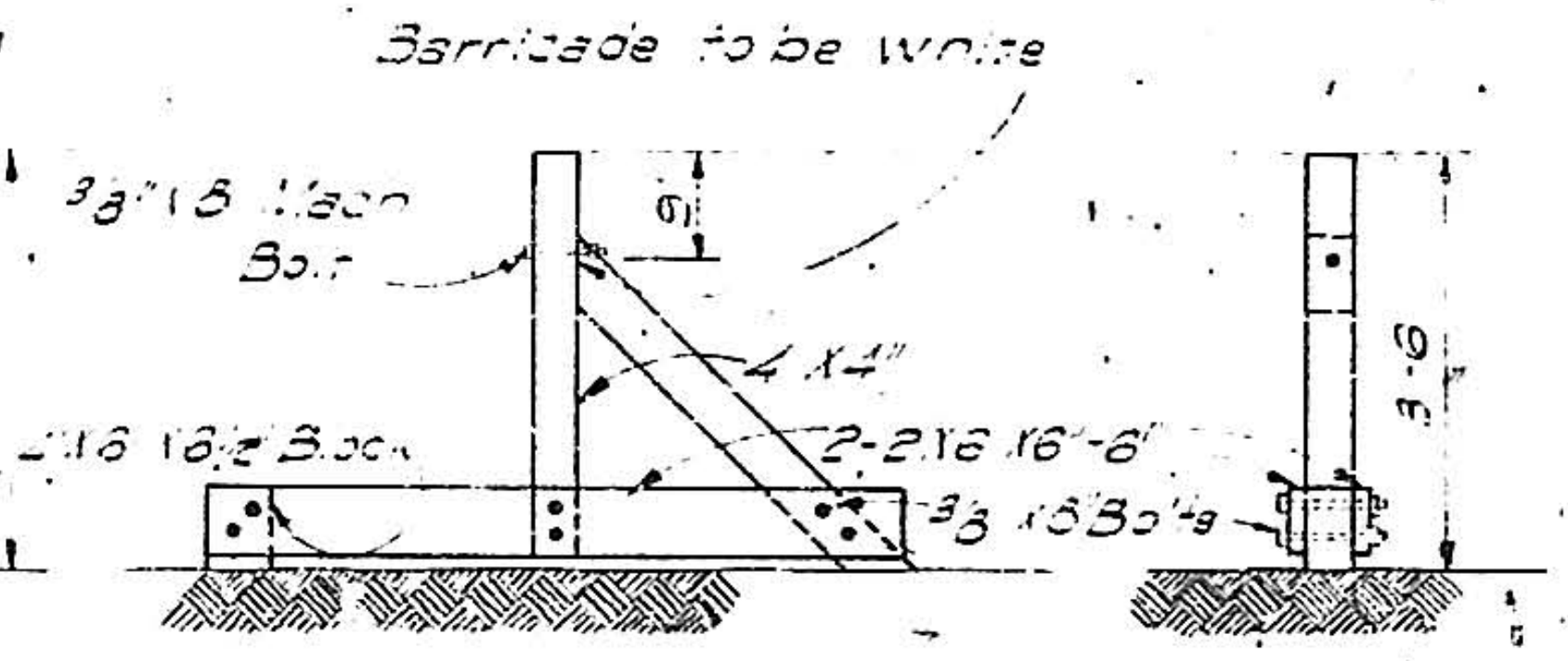
C-89
24"x24" Black on White
Letters 4" Series D.
Reflectorized


END
CONSTRUCTION
ZONE

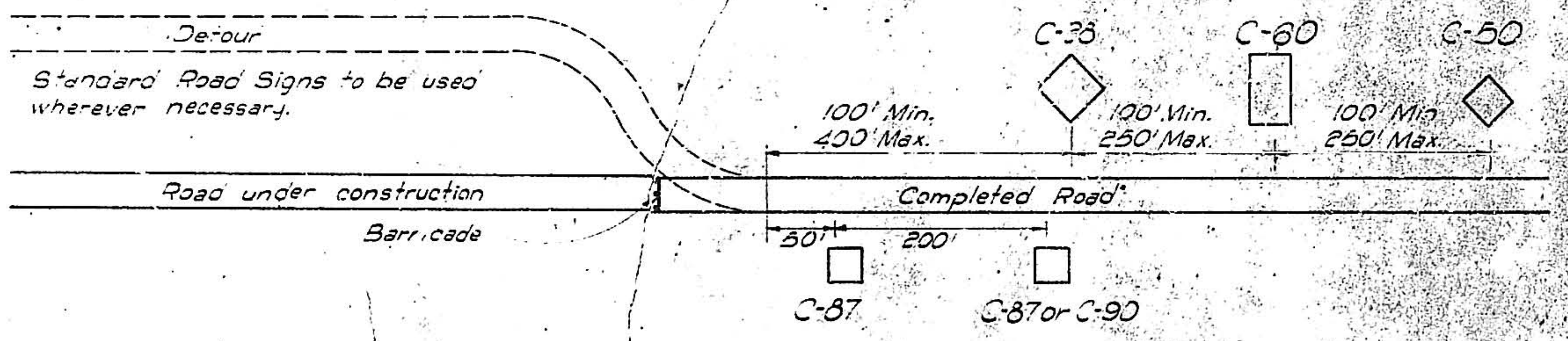
C-90
36"x60" Black on White Letters 6" Series C
Reflectorize with O.D. 0.425 buttons 7/8" O.C.


C-26
10'-0"
9'-0"
2"x6"
3'-6"
6"
6"
6"
2'-0"
2'-0" Min.
Barricade to be white
3/8"x7" Bolts and Washers
4"x4" Posts
D-32
D-31
3/8"x7" Bolts and Washers
8'-6"
2'-0"
3'-6"

BARRICADE


Barricade to be white
3/8"x6" Mach Bolt
6"
4"x4"
2"x6" 16" Block
2-2x6 x6"-6"
3/8"x6" Bolts
3'-6"
SIDE ELEVATION
FRONT ELEVATION

BARRICADE STAND (OPTIONAL)


Detour
Standard Road Signs to be used wherever necessary.
Road under construction
Barricade
Completed Road
100' Min.
400' Max.
C-28
100' Min.
250' Max.
C-60
100' Min.
250' Max.
C-50
50'
200'
C-87
C-87 or C-90

TYPICAL SIGN LAYOUT FOR DETOUR

SPECIFICATIONS

ERECTION AND DISPLAY

All signs and barricades shall be erected on posts of the dimensions shown elsewhere on this sheet. They shall be securely bolted to their standards with three-eighths (3/8) inch bolts.

Where it is impracticable to place barricades on posts set in the ground, the above optional stand may be used. Two posts or stands shall be used for each ten (10) foot section of barricade except where a "Road Closed" sign is used in conjunction with the barricade. In the latter case a solid barricade shall be used.

Temporary signs, such as "Men Working" "Watch for Grader" etc., may be erected on tripods or temporary stands to facilitate prompt removal when the purpose for which they have been erected has been fulfilled. Tripods and stands shall be properly weighted to prevent their being blown over. Methods and types of devices shall be subject to the approval of the Engineer.

DISPLAY

The above signs have been designed so as to afford maximum protection and convenience to the contractor and traffic alike. In order to obtain maximum efficiency from these signs, this sheet shall be closely adhered to and no variation will be allowed without express premission by the Engineer. All signs, with exception of the barricade shall be errected facing on the right hand side of aproching traffic. Care shall be taken to place these signs so as to afford maximum visibility.

Temporary signs, such as "Men Working" "Watch for Trucks" etc., shall only be displayed when the hazard they refer to actually exists.

Signs not reflectorized shall have Toledo Torches placed in front of them during the hours of darkness.

On reconstruction projects, widening projects, etc., where traffic is passed over the project, only that part of the project shall be signed where work is actually prosecuted or construction hazards exist. In no case shall the spacing between signs be less than one hundred feet.

Approaching a surfacing project etc. requiring no detour, the first warning sign shall be placed two hundred and fifty feet from the point of hazard.

All signs required shall be furnished, installed and maintained in good order by the contractor.

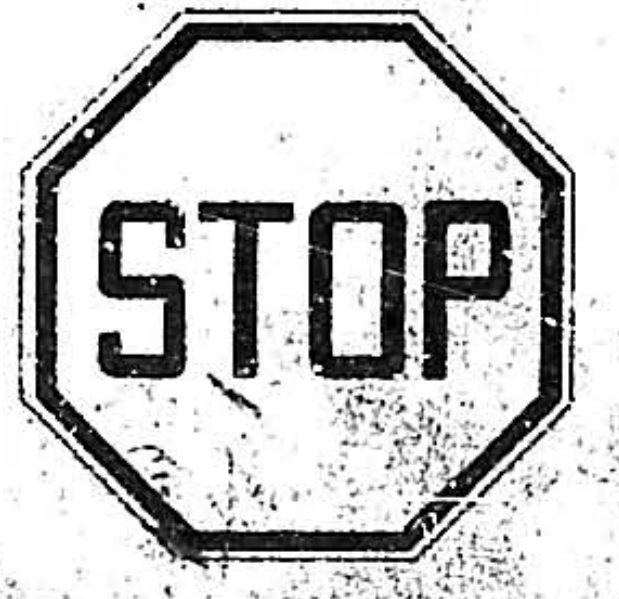
The contractor shall be responsible for damages to any persons or property resulting from defects, obstructions or any other cause during the progress of the work and the erection and maintenance of Standard Signs does not in any way affect this resposibility.

All lettering to be rounded and shall conform to standard Lettering as adopted by the A.A.S.H.O., 1947

Reflector buttons shall be Signal Service Reflector Buttons No. ALA-11 or equivalent, as approved by the Engineer, and of the optical diameter as shown.

"Optional Barricade Signs" shall be used at each end of construction or major repair projects only when some form of work is being performed which creates a traffic hazard throughout the entire length of the project. In case of several short sections of construction or major repair projects which are separated by intervals, each section shall be barricated with "Optional Barricade Signs".

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
1	0		1	3	0		0	6	6	1								1	0									



W-3
30"x30" Black on Yellow
Letters 10" Series C.
Reflectorize with O.D. 0.610 buttons 1 1/8" O.C.

MEANS OF REFLECTORIZATION

1. Reflector buttons or units set in the symbol or message.
2. Reflecting coatings on the sign background or in the symbol or message.
3. All reflecting elements shall reflect white lights, except that if a reflecting coating is used as a background of a yellow sign it shall reflect yellow light.
4. Buttons for 4", 5" and 6" letters shall be O.D. 0.425 - 7/8 O.C. Buttons for 8" and 10" letters shall be O.D. 0.610 1 1/8" O.C.

ALBUQUERQUE, NEW MEXICO

PAVING DISTRICT NO.130

STANDARD CONSTRUCTION SIGNS
IN ACCORDANCE WITH N.M.S.H.D. STANDARDS

GORDON HERKENHOFF & ASSOCIATES, INC.
CONSULTING ENGINEERS
ALBUQUERQUE NEW MEXICO

SCALE	DATE	DRAWN: R.A.G.	SHEET 6
NOT TO SCALE	MAY 1960	CHECKED: G.A.J.	OF 13

2
DELLWOOD SUBDIVISION
BLOCK 2
BLOCK 4
BLOCK 5
WYOMING BOULEVARD N.E.
R.P. STATION 0+00
CANDELARIA ROAD N.E.
Junction box
Telephone M.H.
Build 6' wide sidewalk 520'±
2" Fiber conduit
30' Drainage easement
Right of way
Alley
Sanitary M.H.
3/4" Rigid conduit
Asphalt curb
2" Rigid conduit
Build 6' wide sidewalk 510'±
BENCH MARK. NE. BB. F.H. S.W. Corner CANDELARIA and WISCONSON ELEV. 5399.46
LA SALA GRANDE ADDITION
LA CAMILA STA. 7+35.00
LA PALOMITA RD. N.E. STA. 10+19.00
AZTEC RD. NE STA. 13+03.20
ROAD NE STA. 7+18.34
AZTEC RD. NE STA. 13+29.81
West curb
Existing curb
Existing ground
East curb
+0.3745%
+0.1945%
-0.3032%
Begin curb and gutter ELEV. 5402.15
DELLWOOD BLOCK 5
SUBDIVISION BLOCK 6
STATION 19+37.28
DELLWOOD N.E.
PROPERTY TIE STATION 20+00
1/2" Iron pipe
Build 6' wide sidewalk 620'±
12" C.I.
6" C.I.
COMANCHE BLVD N.E.
STATION 25+99.90
SIERRA AZUL SUBDIVISON BLOCK 1
Single C inlet
Double C inlet
Existing Junction box
BLOCK A DEL MAR TERRACE
N.W. 1/4, S.W. 1/4, SECTION 5 TOWNSHIP 10 NORTH RANGE 4 EAST
SCALE Horiz. 1"=50' Vert. 1"=5'
+2.905%
+1.500%
+1.300%
-0.303%
1 C 1 3 0 0 7 6 1 0 1 0 2 6 0 1 9 2
PLAN
PROFILE

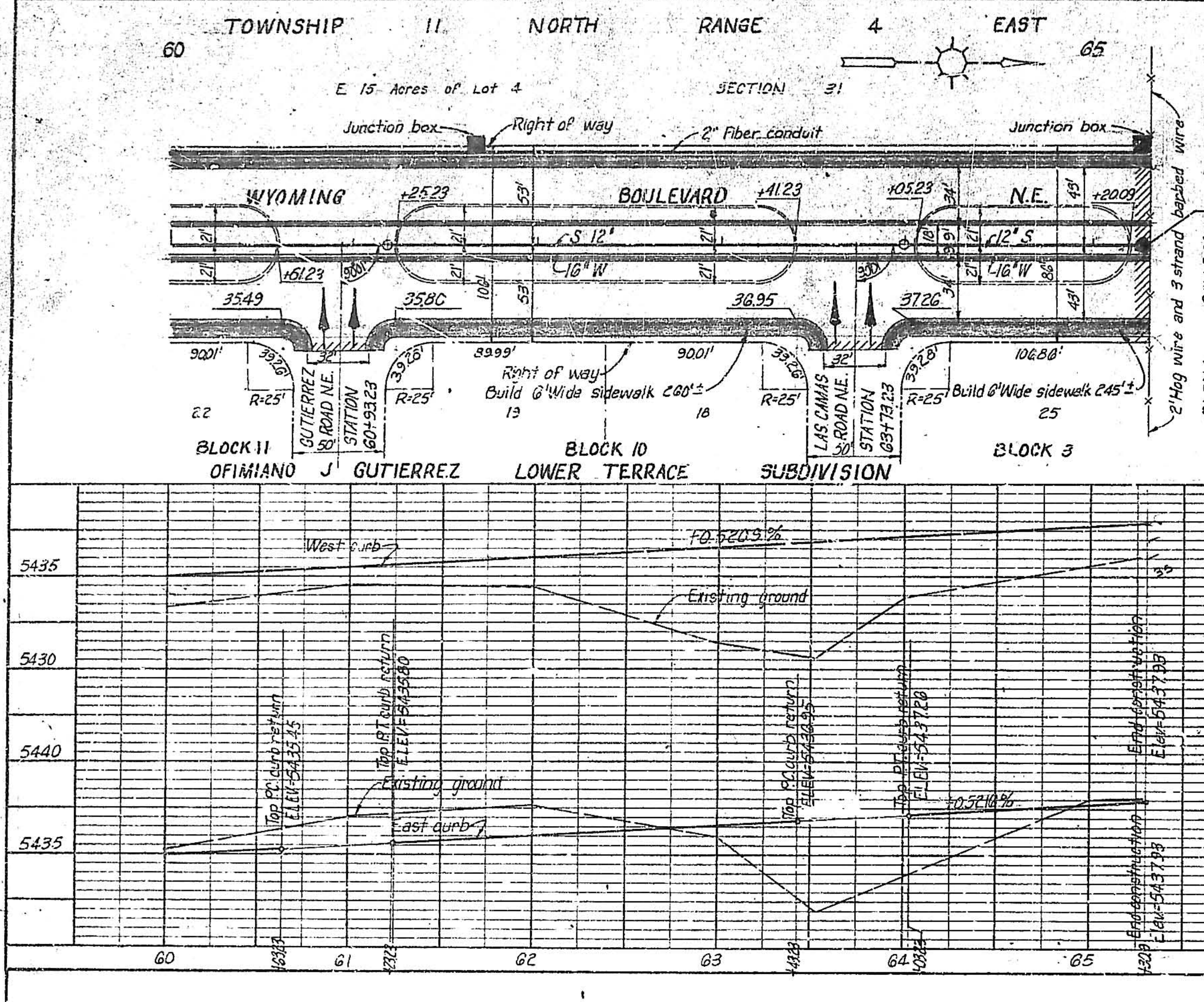
GENERAL NOTES
1. Grades and elevations shown are to top of curb
2. Radii of curb returns to be 14' to the face of curb unless otherwise shown
3. Sidewalk to be 42" wide unless otherwise shown.

PLATE 2—PLAN—PROFILE

PAVING DISTRICT NO. 130 SHEET 7 OF 13

SIERRA AZUL SUBDIVISION
BLOCK 1
BLOCK 10
HARWOOD AVE NE STATION 31+71.09
TOWNSHIP 10 NORTH RANGE 4 EAST
N.E.¼ OF N.E.¼ SECTION 6
375'
2
Junction box
Double C inlet STA. 38+05
Double C inlet STA. 42+88.3
2" Fiber conduit
2" Rigid conduit
Right of way
WYOMING
BOULEVARD
N.E.
S.S.M.H.
S.M.H.
18" R.C.P.
½" Iron pipe
Asphalt curb
BENCH MARK NE. B.B. F.H. S.W. Corner CANDELARIA and WISCONSON ELEV. 5399.49
BLOCK A
DEL MAR TERRACE
BLOCK 3
BLOCK 2
BLOCK 1
Alley
RICE AVE NE STATION 34+89.90
JAMES AVE NE STATION 37+69.90
Double C inlet STA 42+86
S½ OF W½ OF N.W¼ OF NW¼ SECTION 5
TOWNSHIP 10 NORTH RANGE 4 EAST
PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
NOTE BOOK
NO.
G.E.B.
R.A.L.
2-60
3-60
West curb
East curb
Existing ground
-0.625%
+1.0069%
+1.500%
+1.300%
+1.111%
PVC
PVI
PVT
5425
5420
5415
30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45
TOWNSHIP 10 NORTH RANGE 4 EAST
N.E¼ OF N.E¼ SECTION 5
TOWNSHIP 11 NORTH RANGE 4 EAST
EAST 15 ACRES OF LOT 4 SECTION 31
MONTGOMERY BLVD NE
Single C inlet STA 48+55
Double C inlet STA. 54+40
15" RCP
¾" Rigid conduit
Iron pipe
Build 6' wide sidewalk 160'±
Build 6' wide sidewalk 660'±
Tract IIB
Tract IIA
BLOCK 11
Private Alley
T10N R4E 6 31 5 32 T11N R4E
R.P. STATION 52+00.22
STATION 52+00.22
N½ OF W½ OF N.W¼ OF N.W¼ SECTION 5
TOWNSHIP 10 NORTH RANGE 4 EAST
TOWNSHIP 11 NORTH RANGE 4 EAST
GENERAL NOTE:
1. Grades and elevations shown are to the top of curb.
2. Radii of curb returns to be 14' to the face of curb unless otherwise shown.
3. Sidewalk to be 42" wide unless otherwise shown.
SCALE
Horiz. 1"=50'
Vert. 1"=5'
PROFILE
+0.5209%
+0.320%
+0.5216%
+1.0069%
5430
45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
10 130 0861 01 02 60131
BRUNING No. 602
PLATE 2—PLAN—PROFILE O. P. R. & H. E.
CHARLES BRUNING COMPANY, INC.

PAVING DISTRICT NO. 130 SHEET 8 OF 13


TOWNSHIP 11 NORTH RANGE 4 EAST
60
65
E 15 Acres of Lot 4
SECTION 31
Junction box
Right of way
2" Fiber conduit
Junction box
WYOMING
BOULEVARD
N.E.
+25.23
+41.23
+05.23
+20.09
+61.23
S 12"
16" W
c12" S
16" W
21'
53'
100'
34'
43'
18'
39.9'
86'
90.01'
35.49
35.80
36.95
37.26
90.01'
89.99'
90.01'
106.80'
39.26'
39.28'
32'
R=25'
Right of way
Build 6' Wide sidewalk 260'±
Build 6' Wide sidewalk 245'±
22
19
18
25
GUTIERREZ ROAD N.E. 50'
STATION 60+93.23
LAS CAMAS ROAD N.E. 50'
STATION 63+73.23
BLOCK 11
BLOCK 10
BLOCK 3
OFIMIANO J GUTIERREZ LOWER TERRACE SUBDIVISION
GRANT
GALLEGOS
ELENA
barbed wire
2' Hog wire and 3 strand barbed wire
5435
5430
5440
5435
West curb
+0.5209%
Existing ground
Top PC curb return ELEV=5435.45
Top PT curb return ELEV=5435.80
Top PC curb return ELEV=5436.95
Top PT curb return ELEV=5437.28
End construction ELEV=5437.93
Existing ground
East curb
+0.5210%
60
+61.23
61
+93.23
62
63
+43.23
64
+03.23
65
+30.09

GENERAL NOTES

1. Grades and elevations shown are to the top of curb.
2. Radii of curb returns to be 14' to the face of curb unless otherwise shown.
3. Sidewalk to be 42" wide unless otherwise shown

END SURVEY
STATION 65+30.09

Bench mark:
Chiseled □ S.W. corner door step
Thomas Pump Station ELEV=5442.27

SCALE
Horiz.: 1" = 50'
Vert.: 1" = 5'

PLAN		BY	DATE
NOTE BOOK	SURVEYED	G.E.B.	
	PLOTTED	G.C.	
NO.	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		

PROFILE		BY	DATE
NOTE BOOK	SURVEYED	G.E.B.	
	PLOTTED	R.A.L.	
NO.	GRADES CHECKED		
	B. M.s NOTED	G.C.	
	STRUCTURE NOTAT'NS CH'KD		

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
1	0		1	3	0		0	9	6	1								0	2					6	1	1	9	2

BRUNING No. 602T

PLATE 2—PLAN—PROFILE O. P. P. & R. E.
100% RAG PAPER—MADE AND PRINTED IN U.S.A.
CHARLES BRUNING COMPANY, INC.

E ½ SE ¼ NW ¼ SEC. 4, T10N, R-4-E
MESA ARRIBA ADD. BLOCK 17 LOT 17B
Iron pipe ¼ CORNER
0+00
43'
Double C inlet
97.96
98.97
18" RCP
43'
86'
44'
MORRIS
STREET
N.E.
S.S.M.H.
Double C inlet STA. 5+45
1280.34'
1305.35'
Right of way
Single C inlet STA. 8+95
15" R.C.P.
Iron pipe Station 13+05.92
Begin Construction STA 0-47.00
℄ COMANCHE SECTION LINE
SW ¼ NE ¼ SEC. 4, T10N, R-4-E
Existing ground
West Curb
East Curb
+1.186%
+1.185%
+3.733%
+1.125%
P.T. Top of curb ELEV. 5597.96
P.T. Top of curb ELEV. 5598.97
P.V.C.
P.V.T.
P.V.I. 200' V.C. M.O.+0.64
P.V.I. 220' V.C. M.O.+0.65
5595
5600
5605
5610
5615
5620
5625
0+00
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
NE ¼ NW ¼ SEC. 4, T10N, R-4-E
15
20
25
30
Double C inlet STA. 15+90
Double C inlet STA. 22+90
1252.34'
1305.34'
18" R.C.P.
53'
53'
106'
86'
Station 79+49.30
90° 11'
36.15
37.20
37.36
38.34
87'
165'
Station 26+10.69
℄ MONTGOMERY SECTION LINE
BRASS CAP SECTION CORNER
S ½ SE ¼ SE ¼ SE ¼ SW ¼
N ½ SE ¼ SE ¼ SE ¼ SW ¼
S ½ SW ¼ SW ¼ SW ¼ SE ¼
N ½ SW ¼ SW ¼ SW ¼ SE ¼
SEC. 33, T-11-N, R-4-E
LOT 2 MOSSMAN-GLADDEN INC.
+1.125%
+1.093%
+1.013%
+1.155%
+0.250%
P.T. Top of curb ELEV. 5628.90
P.T. Top of curb ELEV. 5630.00
P.C. Top of curb ELEV. 5636.15
P.C. Top of curb ELEV. 5637.20
P.T. Top of curb ELEV. 5637.36
P.T. Top of curb ELEV. 5638.34
P.V.I. 100' V.C. M.O.+0.23
5625
5630
5635
5640
16
17
18
19
21
22
23
24
26
27
28
29
SCALE
Horiz: 1" = 50'
Vert: 1" = 5'
PLAN
PROFILE
NOTE BOOK
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATIONS CHECKED
AOH
2
10 130 1061 01 02 60211

BENCH MARK Nail at ground level in N.E side P.P. 1 S.W. Corner MONTGOMERY and MORRIS ELEV. 5630.51

B.M. Nail in N.E. side P.P. @ S.W. cor. of Montgomery & Morris @ ground level. ELEV. 5630.52.

GENERAL NOTES

1. Grades and elevations shown are to the top of curb.
2. Radii of curb returns to be 14' to the face of curb unless otherwise shown.
3. Sidewalk to be 42" wide unless otherwise shown.

BRUNING No. 602T

PLATE 2—PLAN—PROFILE O. P. R. & R. E.
100% RAG PAPER—MADE AND PRINTED IN U.S.A.
CHARLES BRUNING COMPANY, INC.

PAVING DISTRICT NO.130 SHEET 10 OF 13

1

30
S½ NE¼ SE¼
SE¼ SW¼
N½ NE¼ SE¼ SE¼
SW¼
S½ SE¼ NE¼ SE¼
SW¼
N½ SE¼ NE¼ SE¼
SW¼
35
S½ SE¼ NE¼ SE¼
SW¼
N½ NE¼ NE¼ SE¼ SW¼
a/k/a Lot 53
165.25'
165.25'
165.25'
Right of way
165.25'
165.25'
190'
MORRIS
STREET
N.E
86'
43'
44'
165.25'
165.25'
165.25'
165.25'
Right of way
165.25'
190'
ELENA GALLEGOS GRANT
End Construction
STA. 39+57.48
2' Hog wire and
4strand barbed wire
S½ NW¼ SW¼
SW¼ SE¼
N½ NW¼ SW¼ SW¼
SE¼
S½ SW¼ NW¼ SW¼
SE¼
N½ SW¼ NW¼ SW¼
SE¼
S½ NW¼ NW¼ SW¼
SE¼
N½ NW¼ NW¼ SW¼ SE¼
SEC. 33. T-11-N, R-4-E
5645
5640
5645
5640
5655
5650
5655
5650
Existing ground
+2.080%
West Curb
Existing ground
+2.080%
East Curb
PVT.
PVC.
PVI 100' VC MO=-0.09
ELEV. 5647.45
PVT
PVC
PVI 100' VC MO=-0.09
(ELEV. 5648.40) 5648.49
PVT.
Existing ground
+1.318%
West Curb
Existing ground
+1.381%
East Curb
End curb and gutter
ELEV. 5655.10
End curb and gutter
ELEV. 5656.10
30
31
32
33
+50
34
+50
35
36
37
38
39
+57.48

GENERAL NOTES

1. Grades and elevations shown are to the top of curb.
2. Radii of curb returns to be 14' to the face of curb unless otherwise shown.
3. Sidewalk to be 42" wide unless otherwise shown.

BENCH MARK: Nail at ground level in N.E. side P.P. S.W. Corner MONTGOMERY and MORRIS. ELEV. 5630.51

SCALE

Horiz : 1" = 50'
Vert : 1" = 5'

PLAN		BY	DATE
NOTE BOOK	SURVEYED	G.E.B.	
	PLOTTED	A.O.H.	
NO.	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		

PROFILE		BY	DATE
NOTE BOOK	SURVEYED	G.E.B.	
	PLOTTED	G.C.	
NO.	GRADES CHECKED		
	B. M.S NOTED	A.O.H.	
	STRUCTURE NOTAT'NS CH'KD		

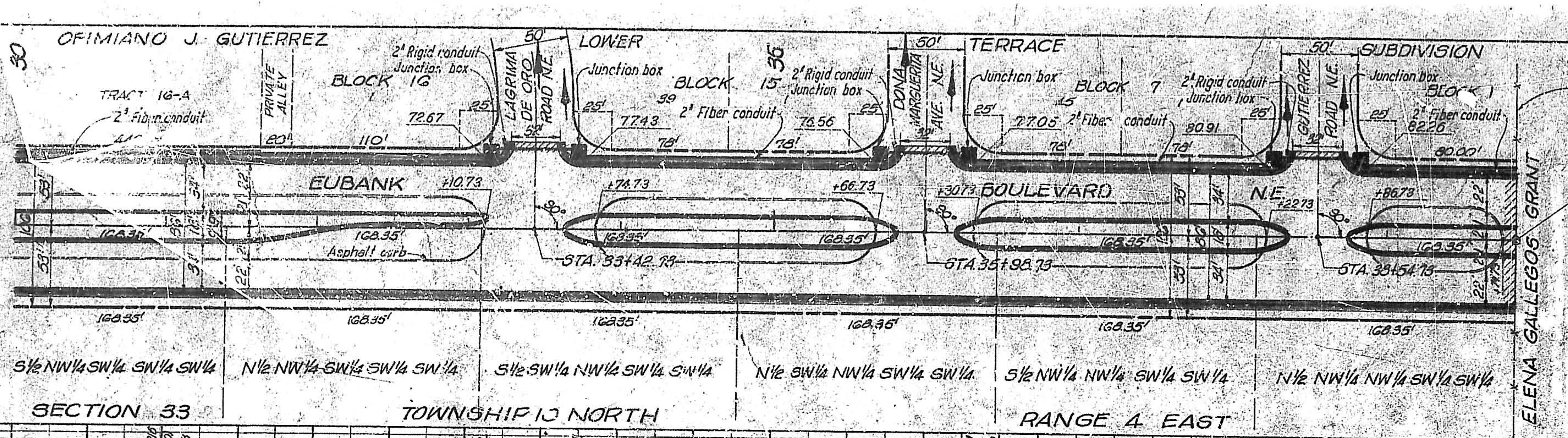
NOT BUILT

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
1	0		1	3	0		1	1	6	1															6	1	2	1	2

BRUNING No. 602T

PLATE 2—PLAN—PROFILE O. P. R. & R. E.
100% RAG PAPER—MADE AND PRINTED IN U.S.A.
CHARLES BRUNING COMPANY, INC.

PAVING DISTRICT NO. 130 SHEET 11 OF 13


30
OFIMIANO J. GUTIERREZ
TRACT 16-A
2" Fiber conduit
PRIVATE ALLEY
BLOCK 16
2" Rigid conduit
Junction box
72.67
25'
20'
110'
50'
LAGRIMA DE ORO ROAD N.E.
32'
LOWER
Junction box
BLOCK 15
39
36
2" Fiber conduit
77.43
25'
78'
2" Rigid conduit
Junction box
76.56
25'
78'
50'
DONA MARGUERITA AVE. N.E.
32'
TERRACE
Junction box
BLOCK 7
15
2" Fiber conduit
27.05
25'
78'
2" Rigid conduit
Junction box
80.91
25'
78'
50'
GUTIERREZ ROAD N.E.
32'
SUBDIVISION
Junction box
BLOCK 1
2" Fiber conduit
82.26
25'
80.00'
EUBANK
+10.73
168.35'
Asphalt curb
BOULEVARD
N.E.
+74.73
+66.73
+30.73
+22.73
+86.73
90°
168.35'
STA. 33+42.73
STA. 35+98.73
STA. 38+54.73
33'
31'
16'
22'
34'
168.35'
S½ NW¼ SW¼ SW¼ SW¼
N½ NW¼ SW¼ SW¼ SW¼
S½ SW¼ NW¼ SW¼ SW¼
N½ SW¼ NW¼ SW¼ SW¼
S½ NW¼ NW¼ SW¼ SW¼
N½ NW¼ NW¼ SW¼ SW¼
SECTION 33
TOWNSHIP 10 NORTH
RANGE 4 EAST
ELENA GALLEGOS GRANT

2" hogwire 14 strand and barbed wire boundry fence.

End survey Closing corner Station 39+84.73

BENCH MARK. Chisled □ west end southwest curb return at COMANCHE and EUBANK
ELEV. 5535.09

SCALE

Horiz. 1"=50'
Vert. 1"=5'

GENERAL NOTES

1. Grades and elevations shown are to the top of curb.

2. Radii of curb returns to be 14' to the face of curb unless otherwise shown.

3. Sidewalk to be 4' wide unless shown other wise.

PLAN

		BY	DATE
NOTE BOOK	SURVEYED	G.E.B.	
NO.	PLOTT.	R.A.T.	
	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		

5580
5575
5580
5575
+1.299%
PVC
PVI 100' VC MO-0.216
ELEV (5578.50) 5578.23
PVT
-0.392%
West curb
+10.73
PC Top curb return
ELEV 5577.67
+74.73
PT Top curb return
ELEV 5577.43
Existing ground
PVC
+66.73
PC Top curb return
ELEV 5576.66
PVI 200' VC MO-0.658
ELEV (5577.09) 5576.44
+30.73
PT Top curb return
ELEV 5577.05
PVT
+2.241%
PC Top curb return
ELEV 5580.91
+86.73
PT Top curb return
ELEV 5582.26
End construction
ELEV 5584.50
PVC
+1.067%
PVI 100' VC MO-0.216
ELEV (5579.50) 5579.23
PVT
-0.392%
East curb
Existing ground
PVC
PVI 200' VC MO-0.658
ELEV (5578.09) 5577.44
PVT
+2.241%
End construction
ELEV 5585.50
30
+50
31
+00
+50
32
33
34
35
+25
36
+25
37
+25
38
39
+84.73

PROFILE

		BY	DATE
NOTE BOOK	SURVEYED	G.E.B.	
NO.	PLOTTED	R.A.T.	
	GRADES CHECKED		
	B. M.'s NOTED	A.O.H.	
	STRUCTURE NOTATIONS CHK'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
1	0		1	3	0		1	3	6	1								0	2					6	0	2	1	2

BRUNING No. 602T

PLATE 2—PLAN—PROFILE O. P. R. & R. E.
100% RAG PAPER—MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC.

PAVING DISTRICT NO. 130 SHEET 13 OF 13

PIERMONT HEIGHTS SUBDIVISION
BLOCK 2
BLOCK 1
EUBANK HEIGHTS ADDITION
BLOCK 3
COMANCHE ROAD N.E.
PALO DURO AVE N.E.
HARVARD AVE N.E.
EUBANK
BOULEVARD N.E.
S½ S½ NE¼ NE¼
Build 6' wide sidewalk 220'±
Junction box
2" Fiber conduit
2" Rigid conduit
¾" Rigid conduit
Right of Way
Begin construction STA 0-47
Section 5
Section 4
¼ Corner
STA. 0+49
STA. 2+85.0
STA. 6+60
STA. 6+28
STA. 6+92
S½ of SW¼ of NW¼
N½ of SW¼ of NW¼
NW¼ of NW¼
SECTION 4
TOWNSHIP 10 NORTH
RANGE 4 EAST
Existing ground
West curb
East curb
P.V.C.
P.V.T.
SECTION 5
TOWNSHIP 10 NORTH
RANGE 4 EAST
6" thick concrete pad to property line slope ¼" per ft.
4' of 5' lay down curb - STA. 20+11.5
All NE¼ NE¼ except S½ S½
TRACT 16-A
Build 6' wide sidewalk 466'±
STATION 26+37.95
MONTGOMERY BLVD. N.E.
STA. 25+78.95
STA. 26+96.95
S½ SW¼ SW¼ SW¼ SW¼
N½ SW¼ SW¼ SW¼ SW¼
SEC. 33, T.10N. , R.4E.
10 1 30 1261 02 60211
PLAN
NOTE BOOK
NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
BY
DATE
G.E.B.
G.F.
PROFILE
R.A.L.
G.F.B.

BENCH MARK, Chisled □ west end southwest curb return at COMANCHE and EUBANK ELEV. 5535.09

GENERAL NOTE:

1. Grades and elevations shown are to the top of curb.
2. Radii of curb returns to be 14' to the face of curb unless otherwise shown.
3. Sidewalk to be 42" wide unless otherwise shown

SCALES

Plan 1" = 50'
Profile: Horiz. 1" = 50'
Vert. 1" = 5'

BRUNING No. 602T

PLATE 2—PLAN—PROFILE O. P. R. & R. E.
100% RAG PAPER—MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC.