28

34

CITY LIMITS

SAN JOSE LATERAL

WILSON DRIVE

WESMESO DRIVE

STOUK DRIVE

WESTERN MEAT CO.

ALAMO AVE

SAN JOSE SETTLING BASIN

ARMOURDALE ROAD

"See Insert "Right"

INSERT

RIO GRANDE

BARR CANAL

SOUTH SECOND STREET HIGHWAY

ALBUQUERQUE MUNICIPAL AIRPORT

RUNWAY

Scale in miles

0 0.9 3/4 0 1 3 1 2

STATE OF NEW MEXICO

CITY OF ALBUQUERQUE

HIGHLAND STORM SEWER

GENERAL PLAN

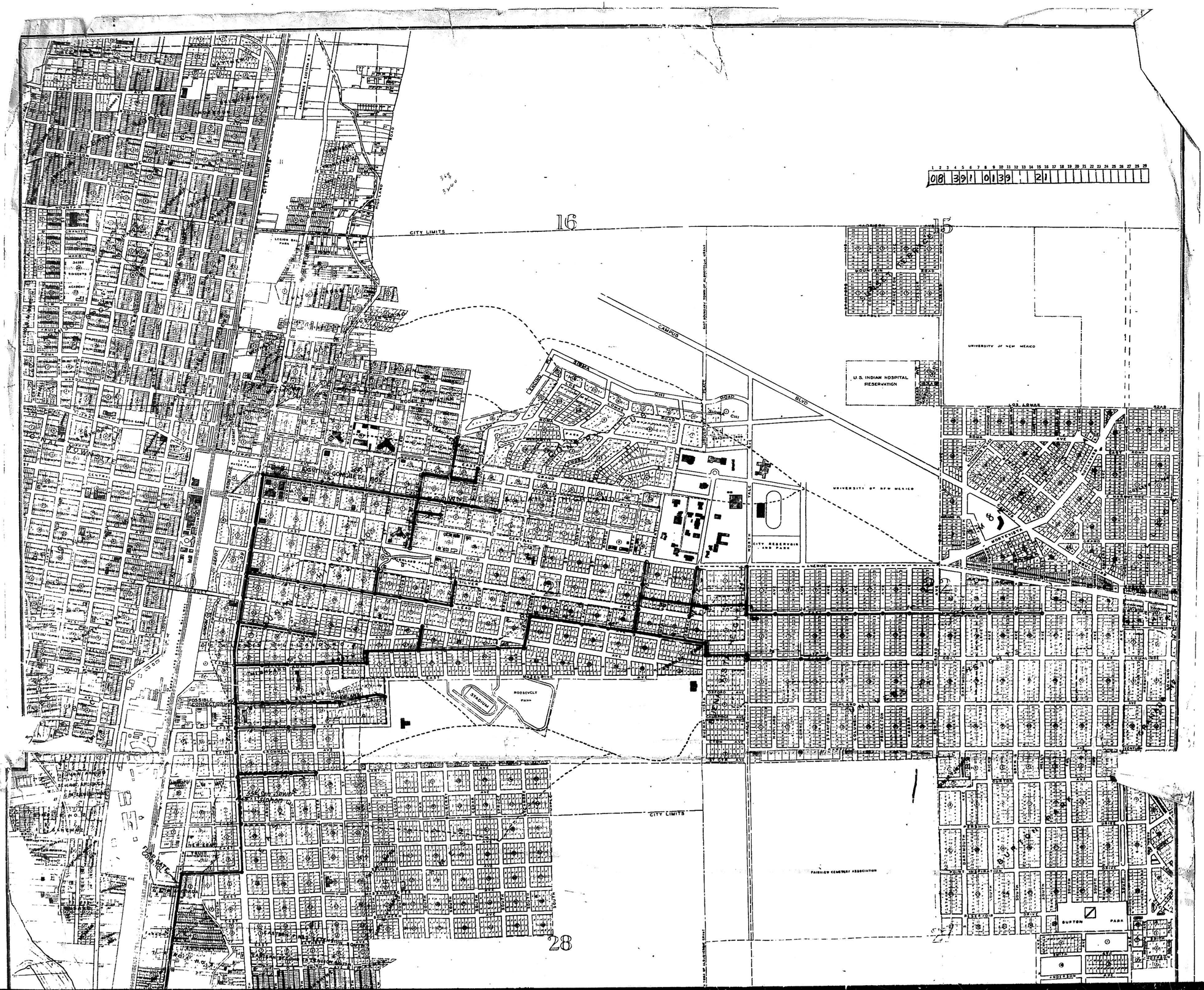
DISTRICT "A" COMPLETED
DISTRICT "B" PROPOSED

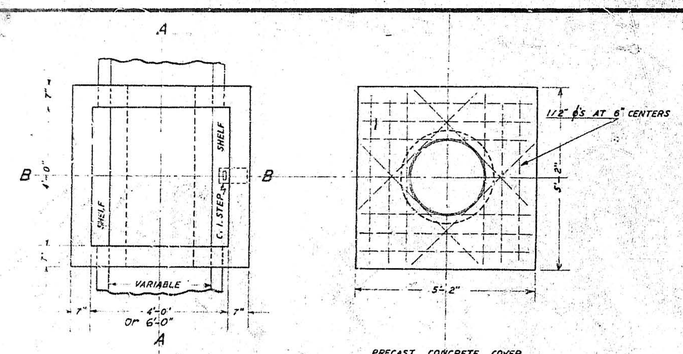
DRAWN H.W. RANKIN
TRACED H.W. RANKIN
CHECKED

RECOMMENDED
APPROVED E.O. Betts

ALBUQUERQUE, NEW MEXICO
SEPTEMBER 12, 1938

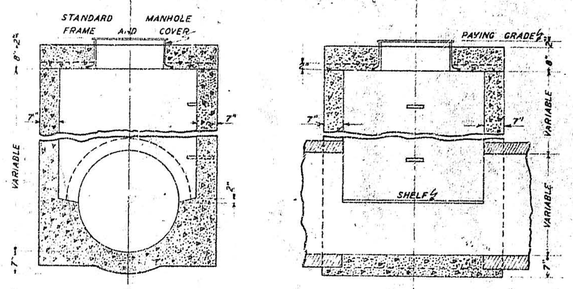
SHEET NO. 1


CITY LIMITS
16
15
CAMINO
ATRISCO
ROAD
BLVD
U.S. INDIAN HOSPITAL RESERVATION
UNIVERSITY OF NEW MEXICO
LOS LOMAS
ROOSEVELT PARK
STADIUM
POSSIBLE CONNECTION
CITY LIMITS
FAIRVIEW CEMETERY ASSOCIATION
BURTON PARK
28
27

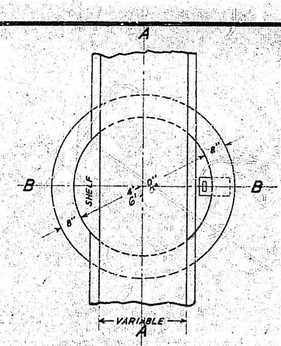


PLAN

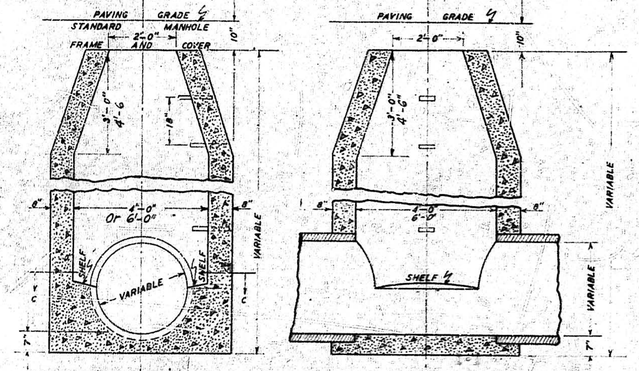
PRECAST CONCRETE COVER
PLAN



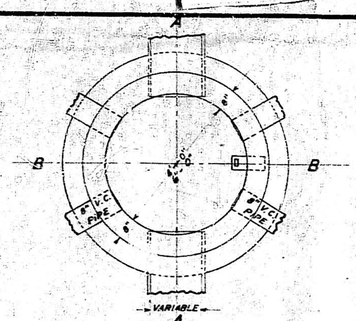
SECTION ON B—B
SECTION ON A—A
STANDARD STORM SEWER MANHOLE "A"
Scale 1/2" = 1'



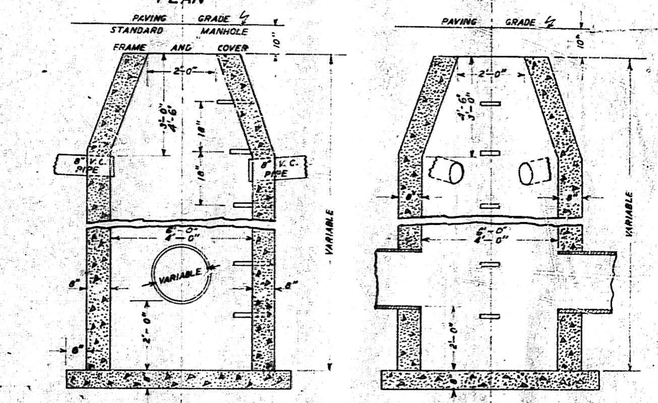
SECTION PLAN ON C—C



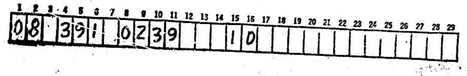
SECTION ON B—B
SECTION ON A—A
STANDARD STORM SEWER MANHOLE "B"
Scale 1/2" = 1'



PLAN



SECTION ON B—B
SECTION ON A—A
STANDARD STORM SEWER MANHOLE "C"
Scale 1/2" = 1'

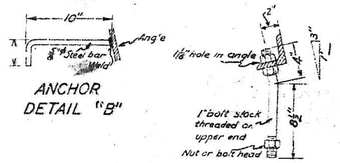


STATE OF NEW MEXICO
CITY OF ALBUQUERQUE
HIGHLAND STORM SEWER
STANDARD MANHOLE DESIGNS

DRAWN R.P.S.
TRACED R.P.S.
CHECKED
RECOMMENED
APPROVED E.O. Bitter

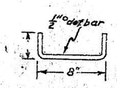
ALBUQUERQUE, NEW MEXICO
AUGUST 22, 1938

SHEET NO. 2

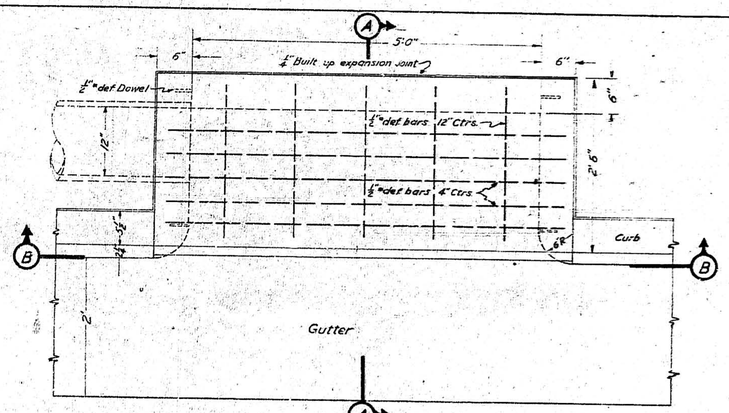


ANCHOR
DETAIL "B"

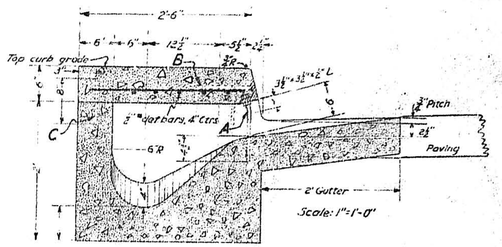
GRATE BOLT
DETAIL "A"
Scale 1½"=1'-0"



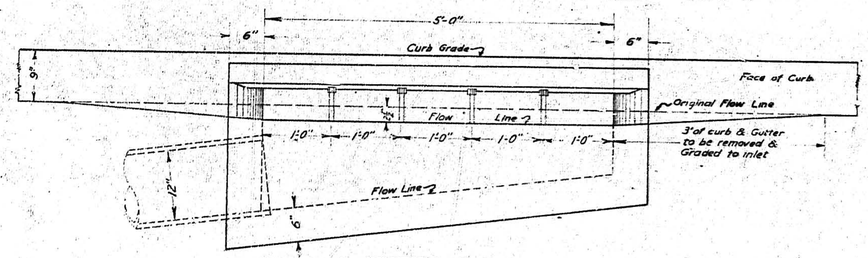
DOWEL
DETAIL "C"



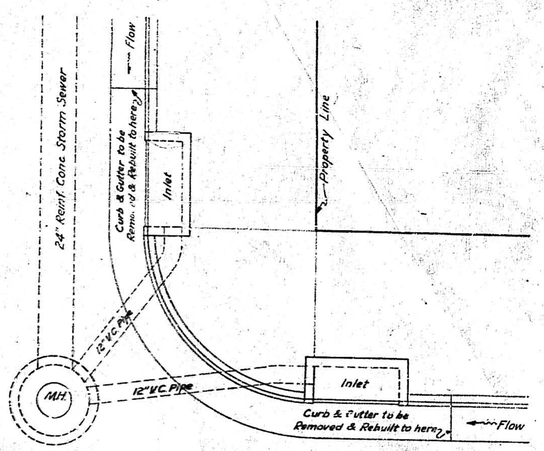
PLAN - CURB TYPE INLET - TYPE A



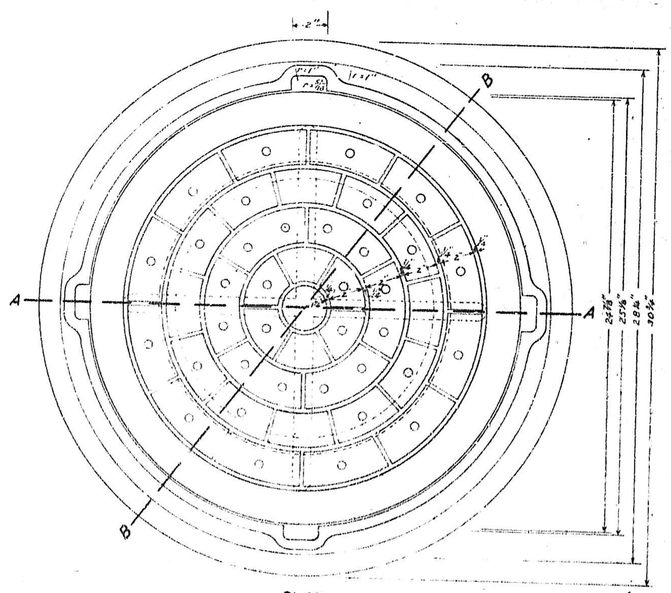
SECTION A-A



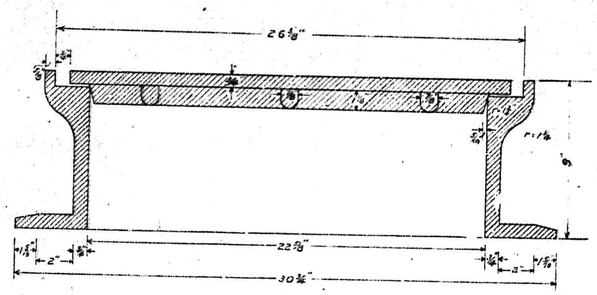
SECTION B-B
Scale: 1"=1'-0"



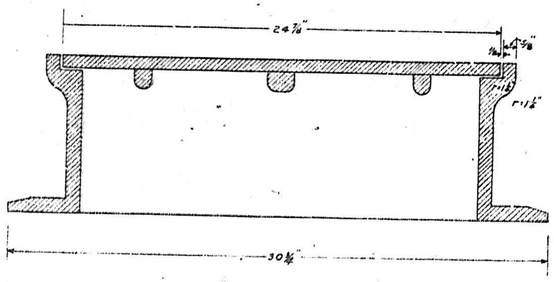
LOCATION OF INLETS IN STREET
Scale 1"=1'-0"



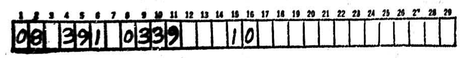
PLAN
STANDARD MANHOLE FRAME AND COVER
Scale 1"=1'



SECTION A-A



SECTION B-B
Scale 1"=1'

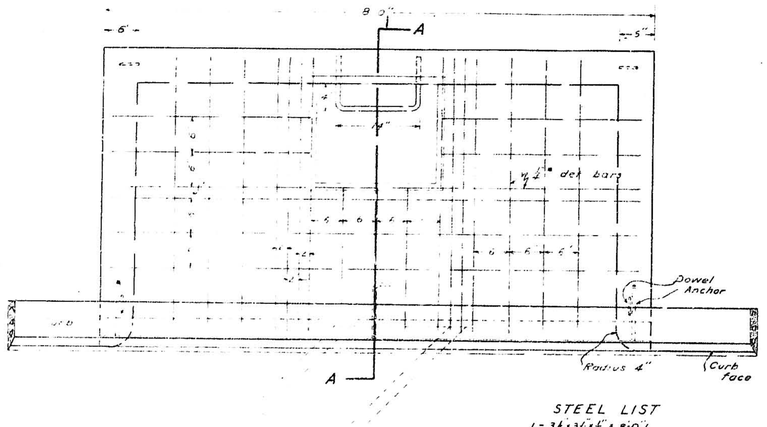


STATE OF NEW MEXICO
CITY OF ALBUQUERQUE
HIGHLAND STORM SEWERS

TYPE A
CURB TYPE INLET
AND
STANDARD MANHOLE FRAME AND COVER

DRAWN E.D.A.
TRACED N.S.H.
CHECKED
RECOMMENDED
APPROVED E.O. Britt
ALBUQUERQUE, NEW MEXICO
OCTOBER 9, 1939

SHEET NO. 2



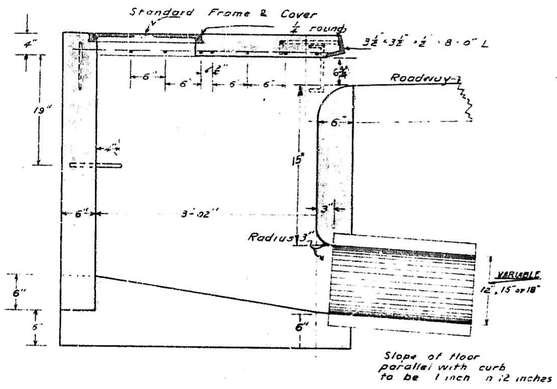
STEEL LIST

1 - 3½" x 3½" x ½" x 8'-0" L
14 - ½" def bars 3'1" long
3 - ½" " " 2'0" "
6 - ½" " " 1'10" "
- Dowels - see detail
3 - Anchors " "
1 - Step - ¾" round - see plan

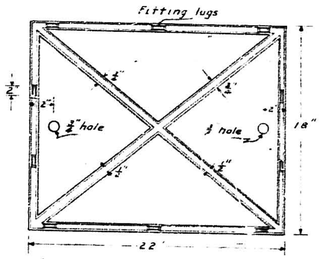
PLAN

STANDARD CATCH BASIN - TYPE B

Scale 1" = 1'-0"

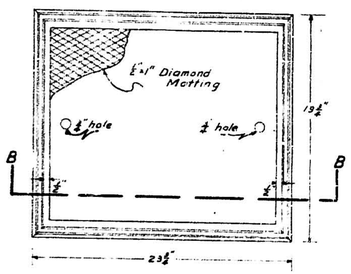


SECTION A-A



BOTTOM PLAN OF COVER

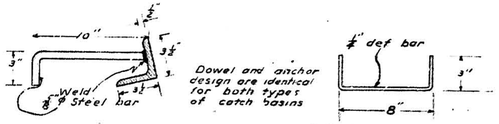
Scale 1" = 6"



PLAN OF FRAME AND COVER



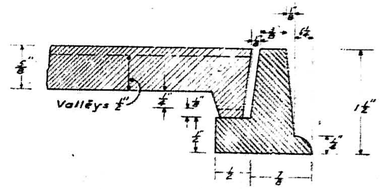
SECTION B-B



DETAIL OF ANCHOR

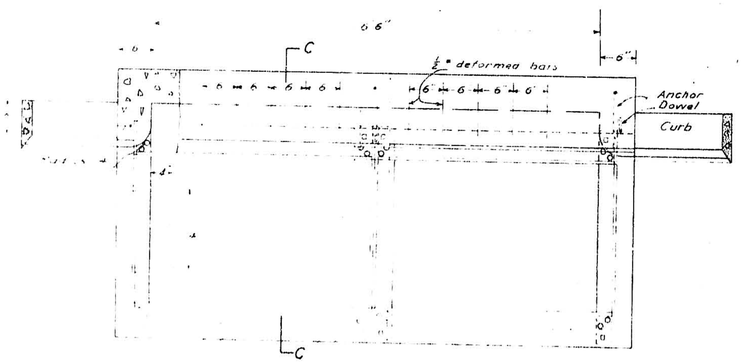
DETAIL OF DOWEL

To be used when top is poured separate



FRAME AND COVER CONNECTION

Scale 1" = 1"



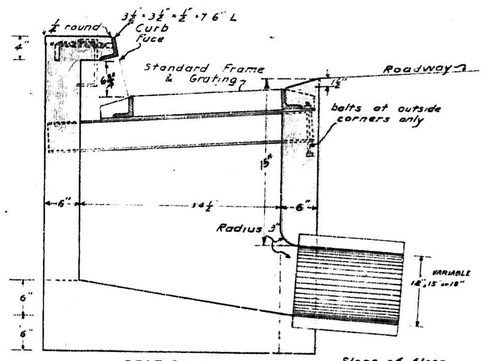
STEEL LIST

1 - 3½" x 3½" x ½" x 7'-6" L
10 - ½" def bars 11" long
6 - Dowels - see detail
3 - Anchors " "
1 - Step - ½" round - see plan

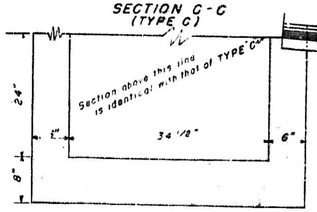
PLAN

STANDARD CATCH BASIN - TYPE C

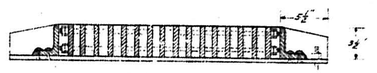
Scale 1" = 1'-0"



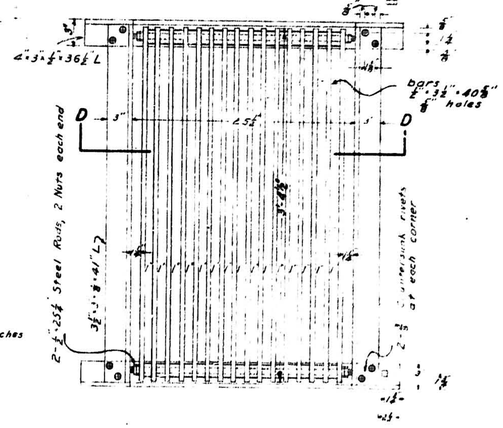
SECTION C-C (TYPE C)



SECTION C-C (TYPE C-1)



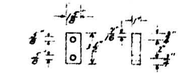
SECTION D-D



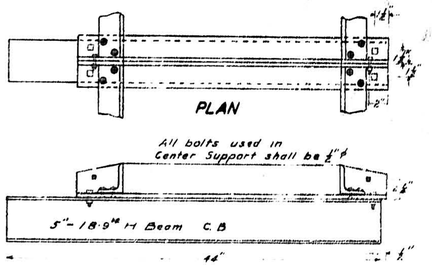
PLAN

STANDARD FRAME AND GRATING

Scale ½" = 1"



SPACER



PLAN

ELEVATION

CENTER SUPPORT ASSEMBLY

STATE OF NEW MEXICO

CITY OF ALBUQUERQUE

HIGHLAND STORM SEWERS

STANDARD CATCH BASINS, TYPES B & C, AND APPURTENANCES

DRAWN R. E. H.
TRACED R. E. H.
CHECKED

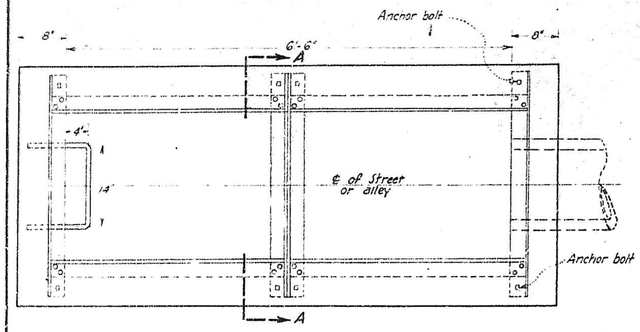
RECOMMENDED
APPROVED E. O. Beth

ALBUQUERQUE NEW MEXICO
OCTOBER 14 1938

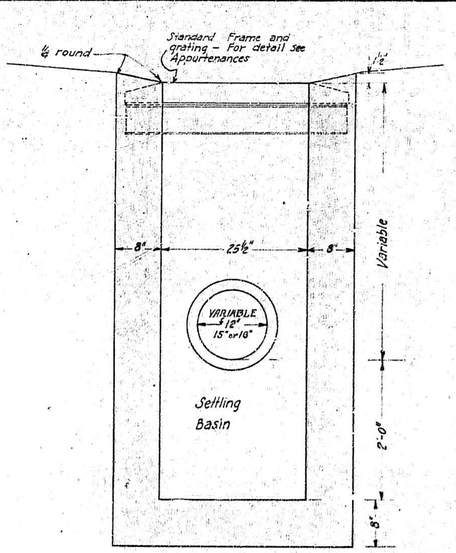
SHEET NO. 4

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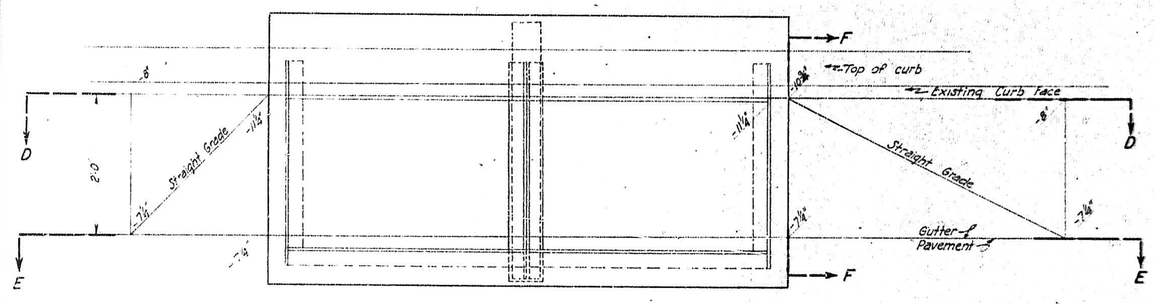
08 39 1 04 39 10



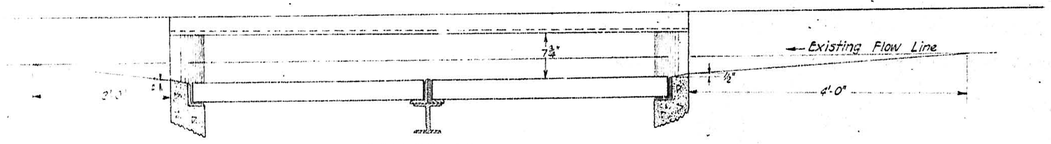
PLAN
STANDARD CATCH BASIN TYPE - D
Scale 1"=1'



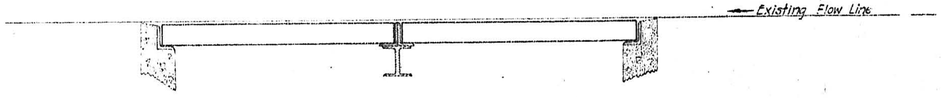
SECTION A-A



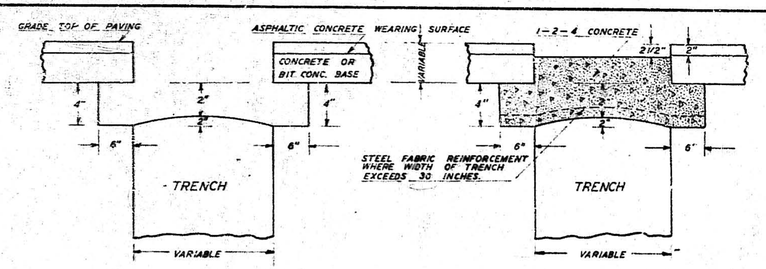
PLAN
STANDARD LOCAL DEPRESSIONS FOR CATCH BASINS
TYPES A, B AND C



SECTION D-D



SECTION E-E

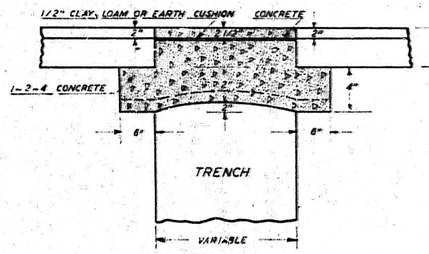


STEP 1.

STEP 2.

(A). BACKFILL AND HAND-TAMP THE OPEN TRENCH IN SUCCESSIVE LAYERS OF NOT MORE THAN NINE INCHES IN THICKNESS.
(B). SQUARE UP EXPOSED EDGES OF PAVING IN A NEAT MANNER.
(C). EXCAVATE DIRECTLY UNDER EDGE OF PAVING A TRENCH 6 WIDE AND 4 DEEP AS SHOWN ABOVE.
(D). ARCH BACKFILL IN CENTER OF TRENCH MAKING THE CROWN AT CENTER 2 BELOW BOTTOM EDGE OF PAVING
(E). DEPTH OF PATCH WILL VARY ACCORDING TO TYPE OF PAVING TO BE REPAIRED.

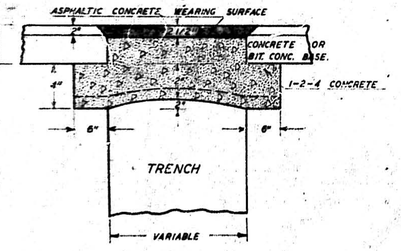
(A). WASH OFF THE EXPOSED PAVING EDGES AND WET THE SUBGRADE LIGHTLY.
(B). FILL WITH A 1-2-4 MIX CONCRETE TO WITHIN 2 1/2 OF GRADE OR TOP OF PAVING TAMP THE CONCRETE THOROUGHLY ESPECIAL CARE BEING TAKEN TO COMPLETELY FILL AND TAMP THE CONCRETE INTO THE TRENCH UNDER EDGE OF PAVING.
(C). WHERE THE WIDTH OF TRENCH EXCEEDS 30 INCHES PLACE ONE LAYER OF STEEL FABRIC REINFORCEMENT WEIGHING NOT LESS THAN 35 POUNDS PER 100 SQ. FT., 2" ABOVE THE BOTTOM OF THE CONCRETE.
(D). STRIKE THE SURFACE OF THE CONCRETE OFF ROUGHLY WITH A SHOVEL BUT DO NOT FINISH SMOOTH.



STEP 3.

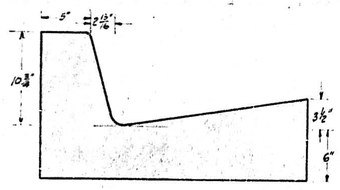
(A) AFTER THE CONCRETE PLACED IN STEP 2. HAS TAKEN ITS INITIAL SET PLACE A 1/2" LAYER OF CLAY, LOAM OR ORDINARY EARTH (NOT SAND) OVER THE SURFACE OF THE CONCRETE.
(B) FILL REMAINDER OF CUT WITH 1-2-4 MIX CONCRETE TO TOP OF PAVING AND FINISH WITH WOODEN FLOAT.
(C) BARRICADE AGAINST TRAFFIC FOR AT LEAST 24 HOURS AFTER PLACING TOP COURSE AT NIGHT PLACE LANTERNS OR TORCHES BY THE BARRICADES

NOTE: TO REPAIR CUTS IN PLAIN CONCRETE, ALLEY PAVING, PREPARE THE OPENING AS IN STEP 1, FILL WITH 1-2-4 MIX CONCRETE AND FINISH FLUSH WITH TOP OF PAVING.

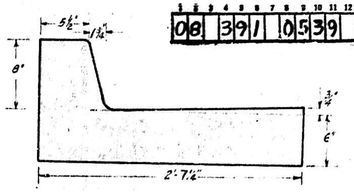


STEP 4.

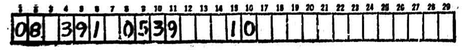
(A) BREAK AND CHIP OUT THE 2" TOP COURSE OF CONCRETE AND 1/2" LAYER OF DIRT.
(B). CUT BACK THE EDGE OF PRESENT ASPHALTIC CONCRETE SURFACE ON AN ANGLE OF 45° WITH VERTICAL OR 1 TO 1 SLOPE.
(C). CLEAN OUT, CUT AND SWEEP CLEAN WITH HEAVY BROOM.
(D). HAUL AWAY AND DISPOSE OF ALL WASTE MATERIALS.
(E). REPAIR CUT WITH ASPHALTIC CONCRETE WEARING SURFACE IN ACCORDANCE WITH CITY PAVING SPECIFICATIONS, THE SURFACE FINISH TO BE THE SAME TYPE AS THAT OF PAVING SURROUNDING THE PATCH.
(F). THE STREET IN VICINITY OF PATCH SHALL BE THOROUGHLY CLEANED UP BEFORE BEING OPENED TO TRAFFIC.



SECTION F-F



STANDARD SECTION
CURB AND GUTTER



STATE OF NEW MEXICO
CITY OF ALBUQUERQUE
HIGHLAND STORM SEWERS

STANDARD METHOD OF REPAIRING CUTS IN PAVEMENTS
Also
STANDARD LOCAL DEPRESSIONS FOR CATCH BASINS

DRAWN R.C.H.
TRACED R.P.S.
CHECKED
RECOMMENDED
APPROVED E.O. Britt

ALBUQUERQUE, NEW MEXICO
OCTOBER 28, 1939

SHEET NO. 5

L14071-L14GAR-D
AS-BUILT DIA: 24"

L14072-L14071-D
AS-BUILT DIA: 24"

L14081-L14072-D
AS-BUILT DIA: 24"

L14GAR-D
AS-BUILT MH: 165 + 4787.85 = 4952.85
DATUM: 4952.85 + 2.67 = 4955.2

L14071-D
AS-BUILT MH: 175.72 + 4787.85 = 4963.57
DATUM: 4963.57 + 2.67 = 4966.24

L14081-D
AS-BUILT MH: 195.02 + 4787.85 = 4982.87
DATUM: 4982.287+ 2.67 = 4985.54

L14072-D
AS-BUILT MH: 185.37 + 4787.85 = 4973.22
DATUM: 4973.22 + 2.67 = 4975.89

K14874-K14864-D
AS-BUILT DIA: 18"

K14875-K14874-D
AS-BUILT DIA: 15"

K14885-K14875-D
AS-BUILT DIA: 15"

K14864-D
AS-BUILT MH: 163 + 4787.85 = 4950.85
DATUM: 4982.287+ 2.67 = 4953.52

K14882
MODEL INVERT: 4977.495
AS-BUILT MH: 186.98 + 4787.85 = 4974.83
DATUM: 4974.83 + 2.67 = 4977.50

K14874
MODEL INVERT: 4962.445
AS-BUILT MH: 171.92 + 4787.85 = 4959.77
DATUM: 4959.77+ 2.67 = 4962.44

K14875
MODEL INVERT: 4969.975
AS-BUILT MH: 179.46 + 4787.85 = 4967.31
DATUM: 4967.31+ 2.67 = 4969.98

K14891-K14881
MODEL DIA: 30"
AS-BUILT DIA: 15"

K14871-K14862-
30" from COA utility map for the whole street.
AS-BUILT DIA: 18"

K14872-K14871
MODEL DIA: 30"
AS-BUILT DIA: 15"

K14881-K14873
MODEL DIA: 30"
AS-BUILT DIA: 15"

SANTA FE STORM DRAIN UPDATED IN EDITH BLVD PAVING PLANSET, PAGE 6A AND 6B.

K14871
MODEL INVERT: 4963.065
AS-BUILT MH: 171.80 + 4787.85 = 4959.65
DATUM: 4959.65+ 2.67 = 4962.33

K14873
MODEL INVERT: 4971.965
AS-BUILT MH: 181.40 + 4787.85 = 4969.25
DATUM: 4969.25+ 2.67 = 4971.92

OUTLET OFFSET: 5.6 FEET
187.00 - 181.4 = 5.6

OUTLET OFFSET: 3.6 FEET
196.00 - 192.4 = 3.6

OUTLET OFFSET: 8.25 FEET
212.00 - 203.75 = 8.25

OUTLET OFFSET: 4.2 FEET
176.00 - 171.80 = 4.2

K14881
MODEL INVERT: 4983.345
AS-BUILT MH: 192.40 + 4787.85 = 4980.25
DATUM: 4980.25+ 2.67 = 4982.92

NOT IN MODEL

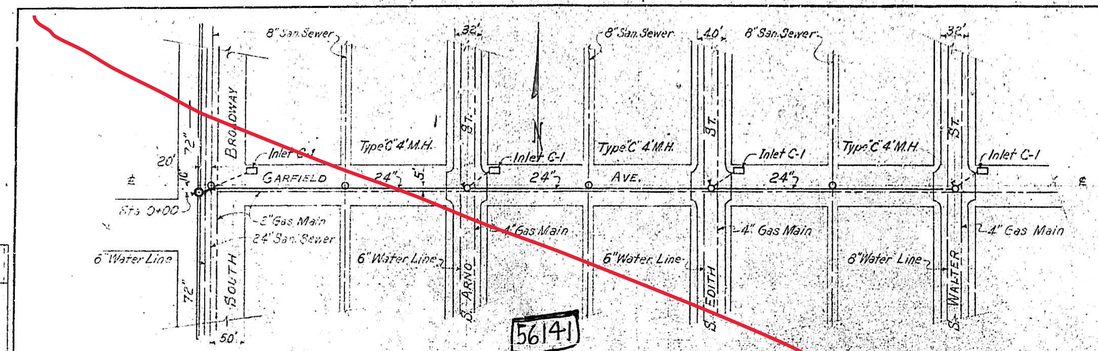
K14892
MODEL INVERT: 4999.575
AS-BUILT MH: 203.75 + 4787.85 = 4991.6
DATUM: 4991.6 + 2.67 = 4994.27

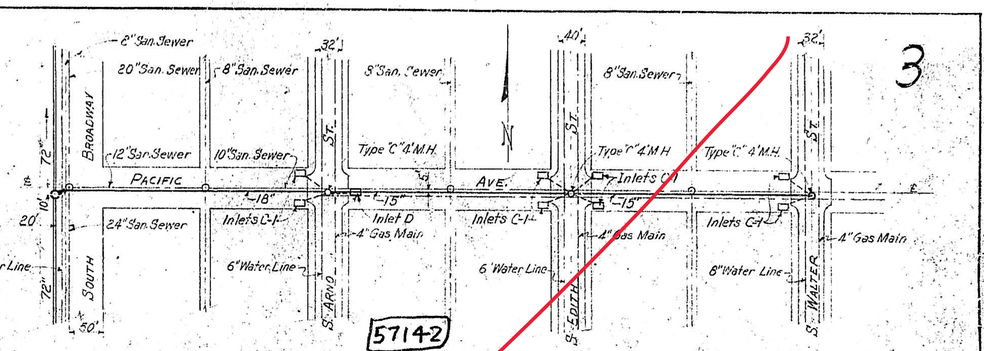
PLATE 2 – PLAN-PROFILE O. P. R. & R. C. STANDARD
K & E CO. NO. 345-2

SHEET No. 6

PLAN — SURVEYED / PLOTTED / NOTE BOOK / SHEET No. 1022

PROFILE — O. H. W. B. — SHEET No. 1022



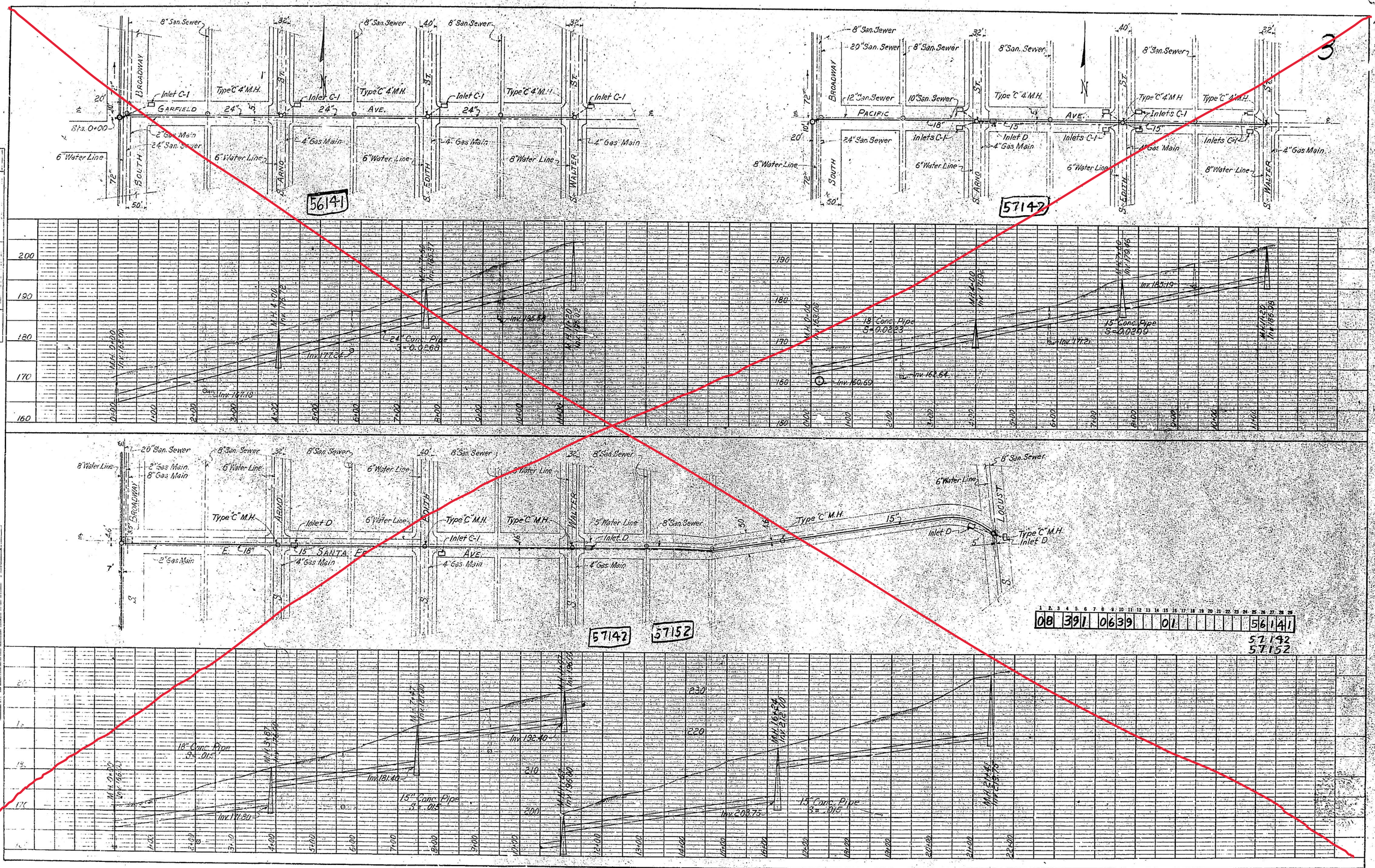




08 391 0639 01 56141
57142
57152

PLATE 2 — PLAN-PROFILE O. H. W. & R. E. STANDARD
KEUFFEL & ESSER CO. NEW YORK
K & E CO. NO. 345-2

SHEET No. 6


8" San. Sewer
20" San. Sewer
12" San. Sewer
10" San. Sewer
BROADWAY
PACIFIC
AVE.
Inlet C-1
Type "C" M.H.
Inlets C-1
Inlet D
2" Gas Main
4" Gas Main
24" San. Sewer
6" Water Line
8" Water Line
S. ARNO
S. SOUTH
S. WALTER
56141
57142
18" Conc. Pipe S=0.0223
15" Conc. Pipe S=0.0269
24" Conc. Pipe S=0.0068
Inv 160.69
Inv 165.19
Inv 177.20
Inv 177.29
Inv 167.18
Inv 186.89
Inv 186.52
Inv 186.02
Inv 186.00
Inv 186.07
Inv 186.20
Inv 186.22
Inv 186.34
Inv 186.56
Inv 186.66
Inv 186.67
Inv 186.68
Inv 186.69
Inv 186.70
Inv 186.72
Inv 186.73
Inv 186.74
Inv 186.75
Inv 186.76
Inv 186.77
Inv 186.78
Inv 186.79
Inv 186.80
Inv 186.81
Inv 186.82
Inv 186.83
Inv 186.84
Inv 186.85
Inv 186.86
Inv 186.87
Inv 186.88
Inv 186.89
Inv 186.90
Inv 186.91
Inv

K14771-K14761-D
AS-BUILT DIA: 48"

K14772-K14771-D
AS-BUILT DIA: 48"

K14781-K14772-D
AS-BUILT DIA: 48"

K14782-K14781-D
AS-BUILT DIA: 48"

K14783-K14782-D
AS-BUILT DIA: 48"

K14792-K14783-D
AS-BUILT DIA: 48"

K14791-K14792-D
AS-BUILT DIA: 48"

K15602-K14791-D
AS-BUILT DIA: 48"

K15604-K15602-D
AS-BUILT DIA: 48",
ON EMA OFFICE
WAREHOUSE
PLANSET.

K15604-D
5013.72+ (354.7*0.015) = 5019.04
SLOPE FROM COA UTILITY MAP.

K14781-D
4976.98+ (189.8*0.015) = 4979.83

K14782-D
AS-BUILT MH: 193.55 + 4787.85 = 4981.4
DATUM: 4981.4+ 2.67 = 4984.07

K14791-D
AS-BUILT MH: 217.29 + 4787.85 = 5005.14
DATUM: 5005.14+ 2.67 = 5007.81

K14761-D
AS-BUILT MH: 170.00 + 4787.85 = 4957.85
DATUM: 4957.85+ 2.67 = 4960.52 OFFSET
= 4960.52-4951.41 (BROADWAY PLANS) =
9.11FT.

OUTLET OFFSET: 5 FEET
181 - 176 = 5

OUTLET OFFSET: 1.69 FEET
188.15 - 186.46 = 1.69

OUTLET OFFSET: 4 FEET
197.55-193.55 = 4

OUTLET OFFSET: 8.4 FEET
212.00-203.60 = 8.4

OUTLET OFFSET: 2.71 FEET
220-217.29 = 2.71

K15602-D
AS-BUILT MH: 223.20 + 4787.85 = 5011.05
DATUM: 5011.05 + 2.67 = 5013.72

K14771-D
AS-BUILT MH: 176.00 + 4787.85 = 4963.85
DATUM: 4963.85+ 2.67 = 4966.52

K14772-D
AS-BUILT MH: 186.46 + 4787.85 = 4974.31
DATUM: 4974.31+ 2.67 = 4976.98

K14792-D
AS-BUILT MH: 203.60 + 4787.85 = 4991.45
DATUM: 4994.12+ 2.67 = 4994.12

PLATE 2—PLAN-PROFILE O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO. NEW YORK
K & E CO. NO. 348-2

SHEET No. 7

20" San Sewer on ℄

8" San Sewer

6" San Sewer

8" San Sewer

8" San Sewer

6" San Sewer

Storm Sewer Mh 7' West & 3' South of ℄

BRADLEY

EAST

48"

ABND

See Note B

HAZELDINE

FOTH

Inlets C-1

WALTER

AVENUE

8" San Sewer

HIGH

ELM

See Note A

Inlet D

Inlet D

4" HP Gas Main

2" Gas Main

6" Water Line

4" Gas Main

6" Water Line

4" Gas Main

6" Water Line

4" Gas Main

6" Water Line

2" Gas Main

Note A: Remove present 36" Stub (No extra compensation allowed)

57142

57152

Note B: Manholes for 48" Concrete pipe are 6' diameter Type "C."

HAZELDINE

ELM

48"

4'

16'

57152

Mh 186.00

Inv. 186.00

Inv. 193.56

Inv. 196.46

48" Conc. Pipe S=.015

Inv. 196.00

See Note A

48" Conc. Pipe S=.0165

Mh 193.56

Mh 200.00

Inv. 200.00

48" Conc. Pipe S=.015

Mh 200.00

Mh 207.20

Mh 207.20

Mh 214.40

Mh 214.40

Mh 221.60

Mh 221.60

Mh 228.80

Mh 228.80

Mh 236.00

Mh 236.00

Mh 243.20

Mh 243.20

Mh 250.40

Mh 250.40

Mh 257.60

Mh 257.60

Mh 264.80

Mh 264.80

Mh 272.00

Mh

PLAN — SURVEYED — DRAWN — NOTE BOOK — TRACED — CHECKED — BY — DATE 10-1952 — O.H.W.B.

8"San. Sewer — SYCAMORE — MAPLE — ASH — PINE — UNIVERSITY — LEAD — AVE — SILVER

Inlets C-1 — E. Water Line — 8"San. Sewer — 2"Gas Line — 4"Gas Line — 48" — 30" — 18"San. Sewer — Inlet D — 6"Gas Line — 6"Water Line

NOTE: Manholes for 48" Concrete pipe are 6'diameter Type"C"

NOTE: Manholes for 30"Concrete pipe & Smaller are 4'diameter Type"C"

57152

57152

Mh 39.85 Inv 332.85 — Mh 50.40 Inv 336.40 — Mh 57.76 Inv 336.40 — Mh 58.84 Inv 336.84 — Mh 64.23 Inv 332.33 — Mh 64.62 Inv 332.32 — Mh 64.62 Inv 332.32 — Mh 64.62 Inv 332.32 — Mh 73.20 Inv 337.85

Inv 320.80 — 45" Conc. Pipe S=.015 — 15" Conc. Pipe — Inv. 337.85 — 30" Conc. Pipe S=.010

4"Gas Main — 8"San. Sewer — 24" — 23' — 30" — 6" — 4"Gas Line — 8"San. Sewer — 2"Gas Line — 4"Gas Main — VISTA — VALE — HARVARD — CORNELL — STANFORD — COLUMBIA — Sidewalk removal & replacement — 10"Water Line — 4"Water Line — 12"San. Sewer — 18"San. Sewer — Inlets C-1 — Inlet D — 38' — TERRACE — BUENA — SILVER — AVENUE

Note: Manholes for 30"Concrete pipe & Smaller are 4'diameter Type"C"

57152 — 57162

08 39 | 08 39 — 57152 — 57162

Mh 75.50 Inv 340.50 — Mh 73.36.25 Inv 344.03 — Mh 73.36.25 Inv 342.66 — Mh 76.76.50 Inv 340.32 — Mh 83.84 Inv 336.50 — Mh 83.84 Inv 333.79 — Mh 83.84 Inv 333.79 — Mh 89.96.88 Inv 337.16 — Mh 93.33.22 Inv 333.22 — Mh 97.67 Inv 330.64

24" Conc. Pipe S=.012 — 30" Conc. Pipe S=.012 — 24" Conc. Pipe S=.012 — 24" Conc. Pipe S=.012

PLATE 2—PLAN-PROFILE O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.
K & E CO. NO. 345-2 MADE IN U.S.A.

SHEET No. 8

8"San. Sewer
SYCAMORE
6"San. Sewer
Inlets C-1
MAPLE
ASH
Inlets C-1
6"Water Line
PINE
Inlets C-1
8"San. Sewer
UNIVERSITY
Inlets C-1
E.
48"
LEAD
48"
AVE
2"Gas Line
4"Gas Line
2"Gas Line
2"Gas Line
2"Gas Line
NOTE: Manholes for 48" Concrete pipe are 6' diameter Type "C"

57152

6'
LEAD
18"San. Sewer
SILVER
30"
UNIVERSITY
Inlets C-1
Inlet D
2"Gas Line
6"Gas Line
6"Water Line
4'
NOTE: Manholes for 30" Concrete pipe & smaller are 4' diameter Type "C"

57152

Inv. 329.80
48" Conc. Pipe
S=.015
Inv. 337.85
15" Conc. Pipe
Inv. 337.65
30" Conc. Pipe
S=.010

6"San. Sewer
8"San. Sewer
2"Gas Line
4"Gas Main
23'
30"
VISTA
Inlet D
30"
Inlet D
8"San. Sewer
YALE
Sidewalk removed & replaced
4"Gas Main
8"San. Sewer
HARVARD
4"Gas Main
8"San. Sewer
SILVER
CORNELL
Inlets C-1
4"Gas Main
8"San. Sewer
4"Gas Main
9"San. Sewer
24"
Inlets C-1
6"Water Line
5'
6'
30"
BUENA
10"Water Line
Inlets C-1
24"
Inlets C-1
4"Water Line
18"San. Sewer
Inlet C-1
4"Water Line
12"San. Sewer
4"Water Line
S. STANFORD
S. COLUMBIA
38'
VISTA
TERRACE
SILVER
AVENUE
NOTE: Manholes for 30" Concrete pipe & smaller are 4' diameter Type "C"

57152
57162

57162

Inv. 349.70
30" Conc. Pipe
S=.012
Inv. 356.70
24" Conc. Pipe
S=.012
Inv. 378.14
24" Conc. Pipe
S=.012

PLAN
PROFILE
NOTE FOR
DATE
1-14-34

PLATE 2—PLAN-PROFILE O. P. K. & R. R. STANDARD
KRAFFERT & ESSLER CO. NEW YORK.
K & E CO. NO. 345-2

SHEET No. 8

PLAN — DRAWN: C.H.W.V. — TRACED: — CHECKED: — NOTE BOOK: — NO: — DATE: 1/16/46

PROFILE — DRAWN: — TRACED: — CHECKED: — NOTE BOOK: — NO: — DATE: 1:16/46

N

COLUMBIA — 4" Water Line — 4" Gas Main — 8" San. Sewer — 5' — 24" — 12" San. Sewer — 6" Gas Main — EAST — S.

PRINCETON — 4" Water Line — 4" Gas Main — 8" San. Sewer — Inlets C-1 — S.

VASSAR — 10" Water Line — 4" Gas Main — 8" San. Sewer — Inlets C-1 — S.

GIRARD — 4" Water Line — 4" Gas Main — 8" San. Sewer — Inlets C-1 — 24" — SILVER — S.

DARTMOUTH — 4" Water Line — 4" Gas Main — 8" San. Sewer — 18" — Inlets C-1 — S.

RICHMOND — 4" Water Line — 4" Gas Main — 8" San. Sewer — Inlets C-1 — 15" — S.

BRYN MAWR — 4" Water Line — 4" Gas Main — 8" San. Sewer — Inlets C-1 — 5' — AVENUE — S.

WELLESLY — 4" Water Line — 4" Gas Main — 8" San. Sewer — 5' — Inlets C-1

NOTE: Manholes for 30" Concrete pipe & smaller are 4' diameter Type "C"

57162

100 / 390 / 380 / 370 / 360

M.H. 97+47 Inv. 390.58 — M.H. 100+42 Inv. 384.74 — M.H. 102+42 Inv. 379.92 — 24" Conc. Pipe S=.01 — M.H. 108+42 Inv. 373.72 — M.H. 110+42 Inv. 368.92 — M.H. 116+42 Inv. 363.92 — 18" Conc. Pipe S=.010 — M.H. 120+42 Inv. 358.92 — 15" Conc. Pipe S=.010 — M.H. 124+97 Inv. 355.68 — 19" Conc. Pipe S=.012 — M.H. 132+72 Inv. 346.72

420 / 410 / 400 / 390

9200 — 9300 — 9400 — 9500 — 10000 — 10100 — 10200 — 10300 — 10400 — 10500 — 10600 — 10700 — 10800 — 10900 — 11000 — 11100 — 11200 — 11300 — 11400 — 11500 — 11600 — 11700 — 11800 — 11900 — 12000 — 12100 — 12200 — 12300 — 12400 — 12500 — 12600 — 12700 — 12800 — 12900 — 13000 — 13100 — 13200 — 13300 — 13400 — 13500

2" Water Line — 15" — 20' — E. — 24' — COAL — 8' — OAK — 8" San. Sewer — Inlet C-1 — 4" Gas Main — Inlets C-1 — 18" — S. — 57152

UNIVERSITY — 6" Water Line — 8" San. Sewer — Inlets C-1 — 2" Gas Line — 6" Water Line — E. — 18" — S. — 57152

MESA — 4" Gas Main — 8" San. Sewer — 4" Water Line — 6' — LEAD — Inlets C-1 — S.

TERRACE — 4" Gas Main — 12" San. Sewer — S.

BUENA VISTA — Inlets C-1 — S.

LEAD — 12" San. Sewer — 15" — 8" San. Sewer — Inlet D — 4" Gas Main — 16" — BUENA VISTA — 57152

E. LEAD AVE. — BUENA VISTA — 18" — 6' — 4' — 10" Water Line — ALLEY — 15" — 8" San. Sewer — Inlet D — 57152 — VALE — 5' — 2" Gas Line — COAL AVE. — Inlets C-1

08 391 0939 011 57162 — 57152

NOTE: Manholes for 30" Concrete pipe & smaller are 4' diameter Type "C"

240 / 230 / 220 / 210

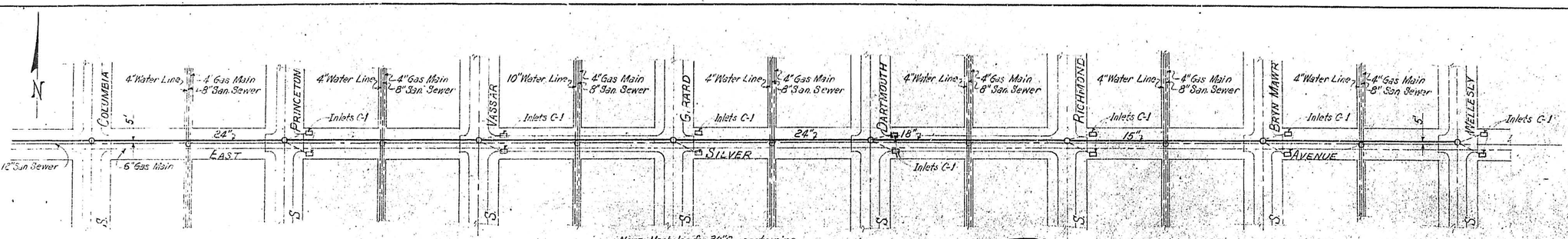
M.H. 2+00 Inv. 351.00 — 15" Conc. Pipe S=.015 — M.H. 4+00 Inv. 345.00 — M.H. 6+00 Inv. 339.00 — M.H. 8+00 Inv. 333.00 — 18" Conc. Pipe S=.025 — M.H. 10+00 Inv. 328.00 — M.H. 12+00 Inv. 323.00 — 18" Conc. Pipe S=.010 — M.H. 14+00 Inv. 318.00 — M.H. 16+00 Inv. 313.00 — 18" Conc. Pipe S=.010 — M.H. 18+00 Inv. 307.91 — M.H. 20+41 Inv. 301.91 — M.H. 22+41 Inv. 295.91 — 15" Conc. Pipe S=.010 — M.H. 24+41 Inv. 289.91 — M.H. 26+41 Inv. 283.91 — M.H. 28+41 Inv. 277.91

370 / 360 / 350 / 340 / 330

2300 — 2400 — 2500 — 2600 — 2700 — 2800 — 2900 — 3000 — 3100 — 3200 — 3300 — 3400 — 3500 — 3600 — 3700 — 3800 — 3900 — 4000 — 4100 — 4200 — 4300 — 4400 — 4500 — 4600 — 4700 — 4800 — 4900 — 5000 — 5100 — 5200 — 5300 — 5400 — 5500 — 5600 — 5700 — 5800 — 5900 — 6000 — 6100 — 6200 — 6300 — 6400 — 6500 — 6600 — 6700 — 6800 — 6900 — 7000 — 7100 — 7200 — 7300 — 7400 — 7500 — 7600 — 7700 — 7800 — 7900 — 8000 — 8100 — 8200 — 8300 — 8400 — 8500 — 8600 — 8700 — 8800 — 8900 — 9000 — 9100 — 9200 — 9300 — 9400 — 9500 — 9600 — 9700 — 9800 — 9900 — 10000 — 10100 — 10200 — 10300 — 10400 — 10500 — 10600 — 10700 — 10800 — 10900 — 11000 — 11100 — 11200 — 11300 — 11400 — 11500 — 11600 — 11700 — 11800 — 11900 — 12000 — 12100 — 12200 — 12300 — 12400 — 12500 — 12600 — 12700 — 12800 — 12900 — 13000 — 13100 — 13200 — 13300 — 13400 — 13500

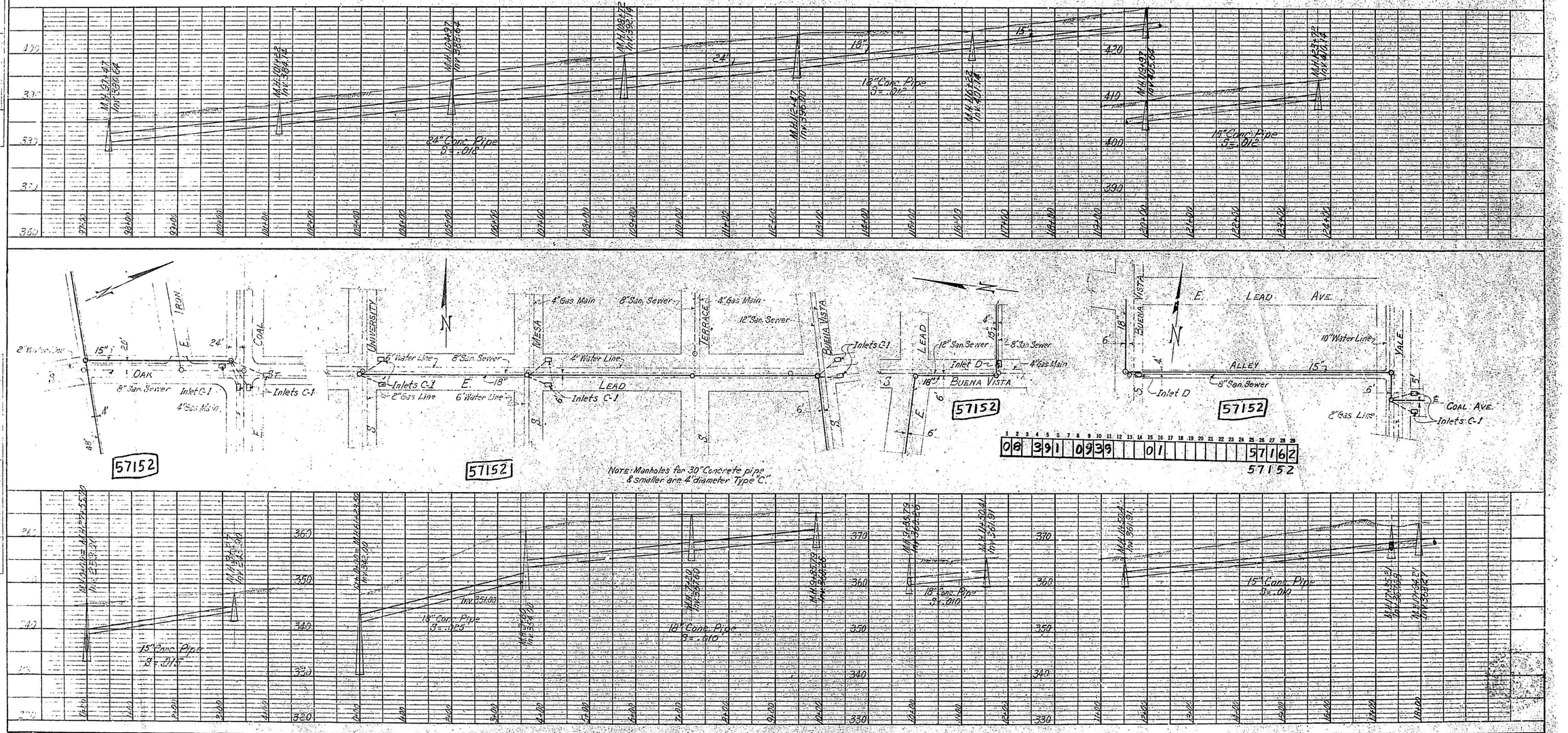
PLATE 2 — PLAN-PROFILE O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO. NEW YORK.
K & E CO. NO. 345-2

SHEET No. 9



NOTE: Manholes for 30" Concrete pipe & smaller are 4' diameter Type "C".

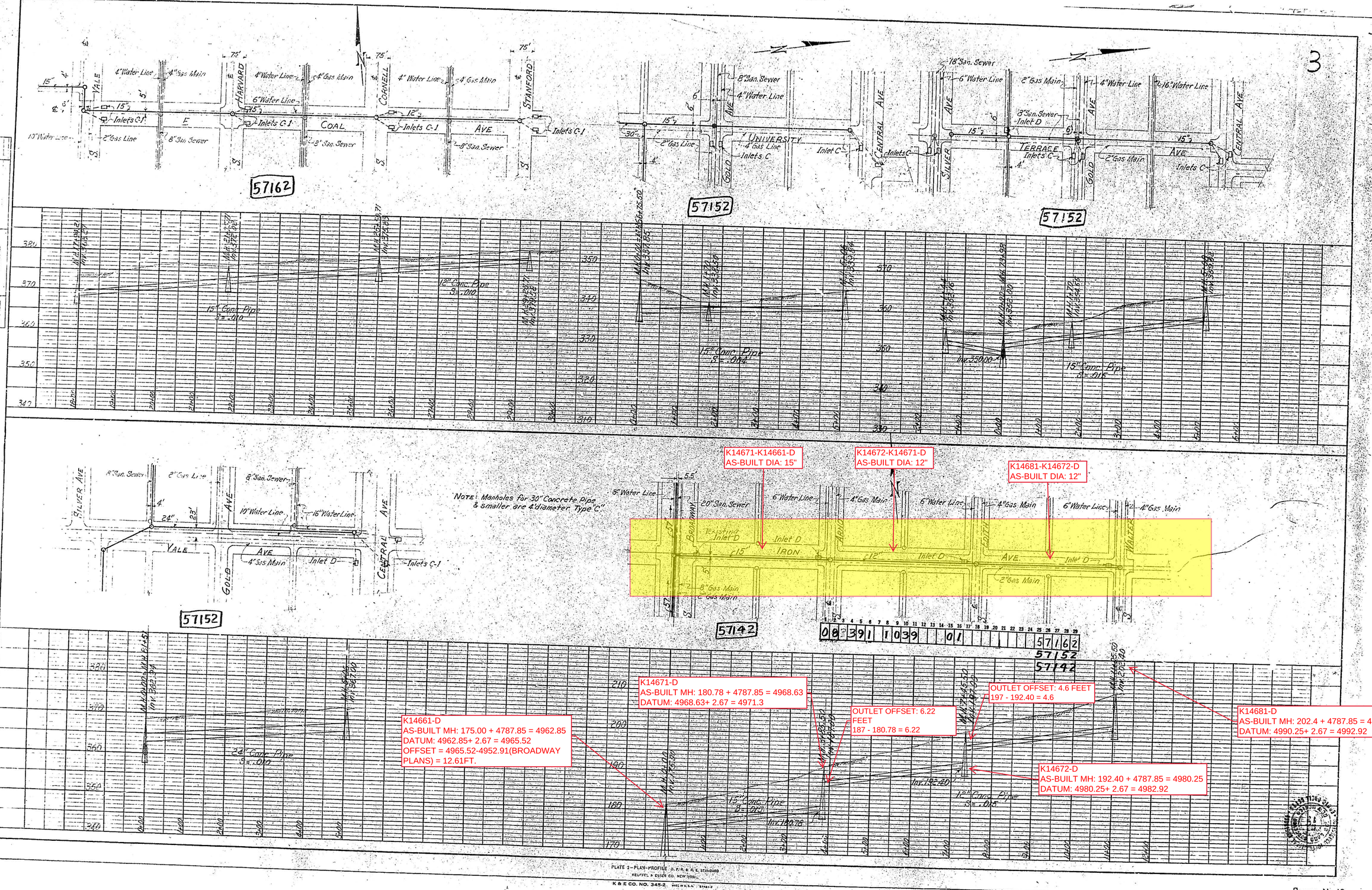
57162



57152 57152 57152

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
08 391 0939 01 57162
57152

NOTE: Manholes for 30" Concrete pipe & smaller are 4' diameter Type "C".



10

SHEET No. 10

PLAN — SURVEYED — PLOTTED — NOTE BOOK — NO. — DRAWN — TRACED — CHECKED — H. OF ASS'T CHECKED — DATE 11/24/41

PROFILE — HORIZ. — VERT.

Yale Ave — Harvard Ave — Cornell Ave — Stanford Ave — Coal Ave

4" Water Line — 4" Gas Main — 6" Water Line — 2" Gas Line — 8" San. Sewer — 12" Water Line — Inlets C-1

57162

University Ave — Gold Ave — Central Ave — Silver Ave — Terrace Ave

8" San. Sewer — 4" Water Line — 2" Gas Main — 6" Water Line — 16" Water Line — 18" San. Sewer — 8" San. Sewer Inlet D — Inlets C — Inlet C

57152

Silver Ave — Gold Ave — Central Ave — Yale Ave

8" San. Sewer — 2" Gas Line — 10" Water Line — 16" Water Line — 4" Gas Main — Inlet D — Inlets C-1

57152

Note: Manholes for 30" Concrete Pipe & smaller are 4' diameter Type

Broadway — Main — Edith Ave. — Walker

20" San. Sewer — 6" Water Line — 4" Gas Main — Existing Inlet D — Inlet D — 8" Gas Main — 2" Gas Main

57142

08 391 1039 01

57162
57152
57142

15" Conc. Pipe S=.010 — 12" Conc. Pipe S=.010 — 15" Conc. Pipe S=.004 — 15" Conc. Pipe S=.015 — 24" Conc. Pipe S=.010 — 15" Conc. Pipe S=.015 — 12" Conc. Pipe S=.015

PLATE 2—PLAN-PROFILE—O. P. R. R. R. E. STANDARD
KEUFFEL & ESSER CO. NEW YORK
K & E CO. NO. 345-2

SHEET No. 10

10

PLAN — SURVEYED / PLOTTED FROM FIELD NOTES OF / BY CITY WAY CHECKED — DATE 11/14/42

PROFILE — HORIZ. / VERT.

4" Water Line · 4" Gas Main · 6" Water Line · 4" Gas Main · 4" Water Line · 4" Gas Main · 8" San. Sewer · 2" Gas Line · 8" San. Sewer · 8" San. Sewer · 2" Gas Line · 8" San. Sewer · 10" Water Line · 15" Water Line

YALE · HARVARD · CORNELL · STANFORD · COAL · AVE · E

Inlets C-1 · Inlets C-1 · Inlets C-1 · Inlets C-1

57162

8" San. Sewer · 4" Water Line · 2" Gas Line · 4" Gas Main · Inlet C · Inlets C · 18" San. Sewer · 6" Water Line · 2" Gas Main · 3" San. Sewer · Inlet D · 4" Water Line · 16" Water Line · 4' Gas Main · 2" Gas Main · Inlets C

UNIVERSITY · GOLD · CENTRAL AVE · SILVER · TERRACE · AVE

57152 · 57152

Inv. 350.00 = Inv. 353.00 = Inv. 355.55 = Inv. 356.52 = Inv. 357.71 = Inv. 358.27 = Inv. 358.65 = Inv. 359.84 = Inv. 360.16 = Inv. 360.79 = Inv. 361.21 = Inv. 362.09 = Inv. 362.77

15" Conc. Pipe S = .004 · 15" Conc. Pipe S = .010 · 12" Conc. Pipe S = .010 · 15" Conc. Pipe S = .015

NOTE: Manholes for 30" Concrete Pipe & smaller are 4' diameter Type C.

8" Water Line · 20" San. Sewer · 6" Water Line · 4" Gas Main · 6" Water Line · 4" Gas Main · 6" Water Line · 4" Gas Main · 8" Gas Main · 2" Gas Main · 2" Gas Main

BROADWAY · IRON · AVE · EDITH · AVE · WALTER · Existing Inlet D · Inlet D · Inlet D · Inlet D

57142

SILVER AVE · 8" San. Sewer · 2" Gas Line · 8" San. Sewer · 10" Water Line · 15" Water Line · 4' Gas Main · Inlet D · Inlets C-1 · YALE · GOLD · AVE · CENTRAL AVE

57152

00 39 1 1039 01 57162 57152 57142

Inv. 192.40 = Inv. 195.50 = Inv. 196.78 = Inv. 197.00 = Inv. 198.00 = Inv. 200.00 = Inv. 202.00 = Inv. 202.40 = Inv. 203.00 = Inv. 203.50 = Inv. 205.50 = Inv. 206.50

24" Conc. Pipe S = .010 · 15" Conc. Pipe S = .015 · 12" Conc. Pipe S = .015

PLATE 2 — PLAN-PROFILE C.P.R. & H.E. STANDARD
KEUFFEL & ESSER CO. NEW YORK
K & E CO NO. 345-2

K14471-K14462-D
UPDATED ON LEAD-COAL IMPROVEMENTS PHASE 1 (2002) - 36"

K14481-K14471-D
UPDATED ON LEAD-COAL IMPROVEMENTS PHASE 1 (2002) - 30"

K14482-K14481-D
UPDATED ON LEAD-COAL IMPROVEMENTS PHASE 1 (2002) - 30"

K14483-K14482-D
AS-BUILT DIA: 18"

K14591-K14483-D
AS-BUILT DIA: 15"

K14592-14591-D
AS-BUILT DIA: 15"

K15501-K14592-D
AS-BUILT DIA: 15"

K15502-K15501-D
AS-BUILT DIA: 15"

2

20"San. Sewer
8"San. Sewer
8"Water Line
6"Water Line
BROADWAY
4"Gas Line
ARVO
8"San. Sewer
6"Water Line
EDITH
4"Gas Line
8"San. Sewer
6"Water Line
WALTER
4"Gas Line
8"San. Sewer
8"Water Line
4"Gas Line
HIGH
8"San. Sewer
ELM
6"Water Line
LOCUST
8"San. Sewer
2"Gas Line
OAK
8"San. Sewer
MULBERRY
6"Water Line
10"San. Sewer
Inlets C-1
Inlet C-1
Inlets C-1
Inlets C-1
Inlets C-1
Inlets C-1
Inlets C-1
Inlets C-1
18"
15"
EAST
LEAD
2"Gas Line
8"Gas Main
2"Gas Line
2"Water Line
2"Gas Line
2"Gas Line
5'
8'
53'
N

K14592-D
AS-BUILT MH: 213.62 + 4787.85 = 5001.47
DATUM: 5001.47+ 2.67 = 5004.14

K14483-D
AS-BUILT MH: 194.76 + 4787.85 = 4982.61
DATUM: 4982.61+ 2.67 = 4985.28

Note: Manholes for 36" Concrete pipe and less are 4 diameter Type C

57142
57152

K14482-D
UPDATED ON LEAD-COAL IMPROVEMENTS PHASE 1 (2002) = 4975.15

K14481-D
UPDATED ON LEAD-COAL IMPROVEMENTS PHASE 1 (2002) = 4974.95

K14471-D
UPDATED ON LEAD-COAL IMPROVEMENTS PHASE 1 (2002) = 4968.24

OUTLET OFFSET: UPDATED ON LEAD-COAL IMPROVEMENTS PHASE 1 (2002)

OUTLET OFFSET: 5.8 FEET
210.00- 204.20 = 5.8

OUTLET OFFSET: 6.38 FEET
220.00- 213.62 = 6.38

OUTLET OFFSET: 8.8 FEET
250.00 - 241.20 = 8.8

OUTLET OFFSET: 2.24 FEET
197.00- 194.76 = 2.24

OUTLET OFFSET: 10.42 FEET
234.00 - 223.58 = 10.42

OUTLET OFFSET: UPDATED ON LEAD-COAL IMPROVEMENTS PHASE 1 (2002)

Inv.179.12
Inv.186.76
Inv.194.76
Inv.204.20
Inv.213.62
Inv.223.58
Inv.241.20
15"Conc. Pipe
S = .020
15"Conc. Pipe
S = .015

K14461-D

K15401-K15501-D
AS-BUILT DIA: 15"

K14591-D
AS-BUILT MH: 204.20 + 4787.85 = 4992.05
DATUM: 4992.05+ 2.67 = 4994.72

K15501-D
AS-BUILT MH: 223.58 + 4787.85 = 5011.43
DATUM: 5011.43 + 2.67 = 5014.1

K15502-D
AS-BUILT MH: 241.20 + 4787.85 = 5029.05
DATUM: 5029.05+ 2.67 = 5031.72

8"San. Sewer
6"Water Line
4"Gas Line
LEAD
2"Gas Line
12"
ELM ST.
Inlets C
SILVER
8"San. Sewer
6"Water Line
4"Gas Line
2"Gas Line
MULBERRY ST.
Inlets C
SILVER
6"Water Line
15"
5'
6'
E
L

57152

K15401-D
AS-BUILT MH: 226.93 + 4787.85 = 5014.78
DATUM: 5014.78 + 2.67 = 5017.45

Inv.223.52
Inv.230.93
Inv.239.05
Inv.248.05
Inv.257.05
Inv.266.05
Inv.275.05
15"Conc. Pipe
S = .010
12"Conc. Pipe
S = .015

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 39 1 1 1 39 0 1 5 7 1 4 2
57152

PLAT 2—PLAN-PROFILE C. P. R. & R. C. STANDARD
KEUFFEL & ESSER CO. NEW YORK
K & E CO. NO. 345-2

SHEET No. 11

2

8" San. Sewer
6" Water Line
4" Gas Line
10" San. Sewer
Inlets C-1
BROADWAY
ARNO
SOUTH
WALTER
HIGH
ELM
LOCUST
OAK
MULBERRY
EAST
LEAD
8" Water Line
2" Water Line
2" Gas Line
55'
18"
12"
15"
5' Gas M.
2" Gas Ma...

NOTE: Manholes for 36" Concrete pipe and less are 4 diameter Type C

57142 57152

Inv. 178.12
18" Conc. Pipe S=.016
Inv. 186.76
Inv. 192.76
Inv. 203.58
15" Conc. Pipe S=.020
Inv. 213.58
Inv. 224.40
Inv. 241.20
15" Conc. Pipe S=.016
Inv. 255.40

SILVER
LEAD
MULBERRY ST.
Inlets C
6" Water Line
4" Gas Line
2" Gas Line
12"
15" Conc. Pipe S=.010
12" Conc. Pipe S=.010

57152

57152

PLATE 2—PLAN-PROFILE OF P. R. & R. C. STANDARD

R & E CO. NO. 345-2

SHEET No. 11

K14174-K14173-D
AS-BUILT DIA: 48" x 48"

K14183-K14174-D
AS-BUILT DIA: 48" x 48"

K14291-K14281-D
AS-BUILT DIA: 48" x 48"

K15201-K14291-D
AS-BUILT DIA: 48" x 48"

K15212-K15201
MODEL DIA: 36"
AS-BUILT DIA: 36"

K14173-K14172-D
AS-BUILT DIA: 48" x 48"

K14281-K14183-D
AS-BUILT DIA: 48" x 48"

K15201-D
AS-BUILT MH: 232.08 + 4787.85 = 5019.93
DATUM: 5019.93 + 2.67 = 5022.6

OUTLET OFFSET: 3.8 FEET
237.00 - 233.20 = 3.80

K14281-D
AS-BUILT MH: 199.48 + 4787.85 = 4987.33
DATUM: 4987.33 + 2.67 = 4990.00

K14173-D
AS-BUILT MH: 173.01+ 4787.85 = 4960.86
DATUM: 4960.86 + 2.67 = 4963.53

K14183-D
AS-BUILT MH: 188.20 + 4787.85 = 4976.05
DATUM: 4976.05 + 2.67 = 4978.72

K15212-D
AS-BUILT MH: 233.20 + 4787.85 = 5021.05
DATUM: 5021.05 + 2.67 = 5023.72

K14174-D
AS-BUILT MH: 177.58 + 4787.85 = 4965.43
DATUM: 4965.43 + 2.67 = 4968.1

K14291-D
AS-BUILT MH: 210.01 + 4787.85 = 4997.86
DATUM: 4997.86 + 2.67 = 5000.53

K14172
MODEL INVERT: 4956.695
AS-BUILT MH: N/A

PLATE 2—PLAN-PROFILE C. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO. NEW YORK.
K & E CO. NO. 345-2

SHEET No. 12

PLAN
DRAWN
TRACED
PLOTTED
ALIGNMENT CHECKED
BY OF MAP CHECKED
NOTE BOOK
NG

PROFILE
DRAWN
TRACED
PLOTTED
ALIGNMENT CHECKED
BY OF MAP CHECKED
NOTE BOOK
NG

DATE 1-21-14

Carreath

2

BROADWAY
NORTH
ARNO ST.
EDITH ST.
WALTER ST.
HIGH ST.
ELM ST.
LOCUST ST.
OAK ST.
MULBERRY ST.
TIJERAS
CENTRAL
COPPER AVENUE
Existing 4'x4' Concrete Box Sewer
0+00 = 1324.9145 OF TRUNK LINE
3+65
7+15
11+05
14+65
18+25
22+01
25+77
29+53
10" Gas Main
Type "A" M.H.
NOTE: Existing 4'x4' concrete box
16" & 14" Water Line
Type "C" M.H.
Inlets C-1
36"
24"
10"
2" Gas Main
8" San. Sewer
6" Water Line
14" Water Line
6" San. Sewer
6" Gas Main
2" Gas Main
Inlet D

0+57.5 MANHOLE
177.56
173.01
5'-0"
5+57.5 MANHOLE
188.20
9+22.5 MANHOLE
199.48
12+85.4 MANHOLE
210.01
18+25 MANHOLE
232.08
5'-0"
24" PIPE
51.014
56" PIPE
51.014
237.00
233.20
240.07
21+61 MANHOLE
250.00
242.47
24" PIPE
51.014
25+77.5 MANHOLE
255.26
29+46 MANHOLE

2" Gas Line
4" Gas Line
Type "C" M.H.
8" San. Sewer
16" Water Line
Type "C" M.H.
Inlets C-1
24"
6" Water Line
5" Water Line
8" Gas Main
MULBERRY
CEDAR
33+39
271.00
262.26
24" PIPE
51.012
33+47 MANHOLE

08 39 1 1 2 3 9 01 57 14 1
57151

PLATE 2—PLAN-PROFILE OF P. R. & R. E. STANDARD
KELVEY'S EUREKA CO. NEW YORK.
K & E CO. NO. 345-2

SHEET NO. 12

K15214-K15213-D
SIZE FROM COA STORM
DRAIN UTILITY MAP.

K15211-K15212-D
AS-BUILT DIA: 30"

K15111-K15211-D
AS-BUILT DIA: 30"

K15311-K15214-D
SIZE FROM COA STORM
DRAIN UTILITY MAP.

K15213-K15212-D
SIZE FROM COA STORM
DRAIN UTILITY MAP.

K15121-K15111-D
AS-BUILT DIA: 30"

MH OBTAINED FROM CENTRAL PARQ HOTEL.

OFFSET = 1.8FT.
FROM SHEET 12
THIS PLANSET.

K15212-D
AS-BUILT MH: 235.00 + 4787.85 = 5022.85
DATUM: 5022.85 + 2.67 = 5025.52
(OFFSET CALCULATED = 1.8FT THIS PAGE).

OFFSET = 3.3FT.
FROM SHEET 12
THIS PLANSET.

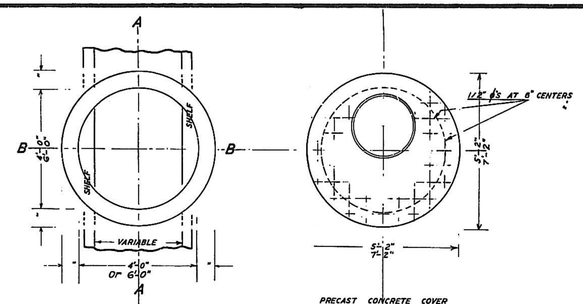
K15121-D
AS-BUILT MH: 245.70 + 4787.85 = 5033.55
DATUM: 5033.55+ 2.67 = 5036.22

K15213-D
AS-BUILT MH: 237.10 + 4787.85 = 5024.95
DATUM: 5024.95 + 2.67 = 5027.62

K15111-D
AS-BUILT MH: 239.56 + 4787.85 = 5027.41
DATUM: 5027.41 + 2.67 = 5030.08

PLATE 2—PLAN-PROFILE O P R & R E STANDARD

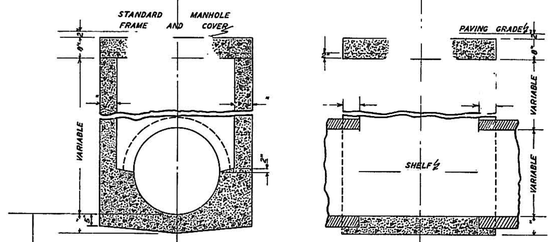
SHEET No. 13



PLAN

PRECAST CONCRETE COVER

PLAN



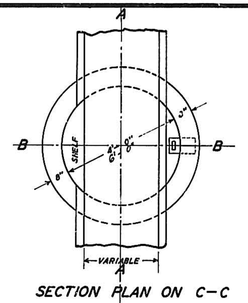
SECTION ON B—B

SECTION ON A—A

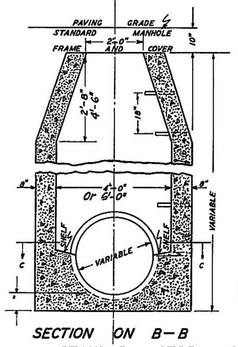
STANDARD STORM SEWER MANHOLE "A"

Scale 1/2" = 1'

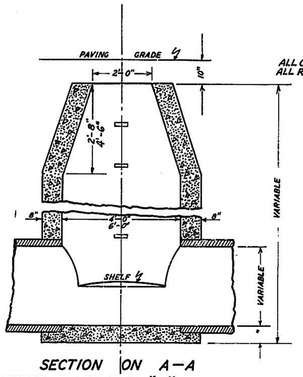
NOTE: A 2-FOOT CATCH BASIN WILL BE REQUIRED IN M.H. WHERE SHOWN ON PLAN & PROFILE SHEETS.



SECTION PLAN ON C—C



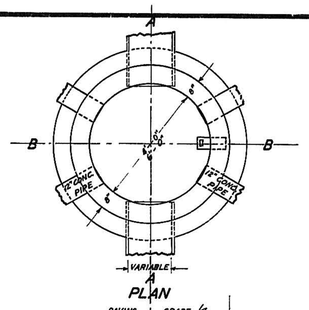
SECTION ON B—B



SECTION ON A—A

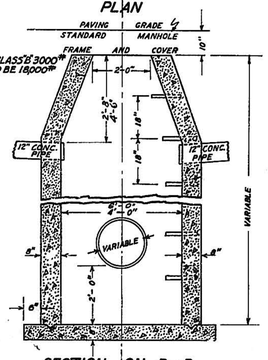
STANDARD STORM SEWER MANHOLE "B"

Scale 1/2" = 1'

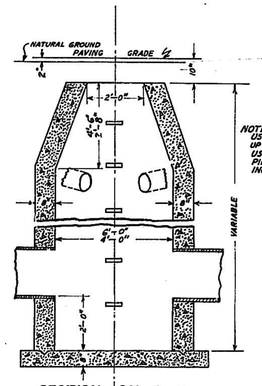


PLAN

ALL CONC. TO BE CLASS 'B' 3000# ALL REINF. STEEL TO BE 18000#



SECTION ON B—B



SECTION ON A—A

STANDARD STORM SEWER MANHOLE "C"

Scale 1/2" = 1'

NOTE:
USE 4-FT. DIAM. M.H. FOR PIPE UP TO AND INCL. 30" DIAM.
USE 6-FT. DIAM. M.H. FOR PIPE FROM 31" DIAM. TO AND INCL. 51" DIAM.

NOTE:

The Contractor has the option of building the masonry walls of 4-ft diam Manholes of solid concrete brick or blocks, having a thickness of not less than 5 inches, a width of not less than 8 inches and a length of 12 to 16 inches. The concrete from which such bricks or blocks are constructed shall meet the specifications for class "B" as set forth in Storm Sewer Specifications for the City of Albuquerque, New Mexico. Type of block must be approved by the "Engineer" and each block shall be molded with a curvature equal to and matching exactly that of the manhole being built. All concrete blocks shall conform in all respects to the Standard Specifications for "Catch Basin & Manhole Concrete Masonry Units." A.S.T.M. Designation: C-139-39, with the exception that the compressive strength of the brick or blocks shall be a min. of 3000 #/in² for an average of 5-units, and a min. of 2500 #/in² for an individual unit.

1	2	3	4	5	6	7	8	9	10	11	12
0	8	0	0	1	0	1	3	8			

STATE OF NEW MEXICO

CITY OF ALBUQUERQUE

HIGHLAND STORM SEWER

STANDARD MANHOLE DESIGNS

DRAWN R.D.S.
TRACED R.D.S.
CHECKED

RECOMMENED
APPROVED C.O. Bottell

ALBUQUERQUE, NEW MEXICO
AUGUST 23, 1938

SHEET NO. 1

CITY OF ALBUQUERQUE
THIS MICROIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT

D C B A

24 20 16 12

CITY OF ALBUQUERQUE

C D

STATE OF NEW MEXICO
CITY OF ALBUQUERQUE
HIGHLAND STORM SEWER
GENERAL PLAN

DISTRICT "A" COMPLETED
DISTRICT "B" PROPOSED

DRAWN N.W. RANKIN
TRACED N.W. RANKIN
CHECKED

RECOMMENDED
APPROVED E.O. Reiter

ALBUQUERQUE, NEW MEXICO
SEPTEMBER 15, 1939

SHEET NO. 1

INSERT

Scale in miles

"See Insert "Right"

CITY LIMITS

ROOSEVELT PARK

STADIUM

POSSIBLE CONSTRUCTION

SAN JOSE CEMETERY

COUNTY GRAVEL PIT

SAN JOSE LATERAL

SAN JOSE SETTLING BASIN

WILSON DRIVE

WESMECO DRIVE

STOCK DRIVE

WESTERN MEAT CO.

72" CORR. PIPE CULVERT

SOUTH BROADWAY

WESTERN AVE.

ALAMO AVE.

WHEELER AVE.

RIO GRANDE

BARR MAIN CANAL

RIVERSIDE DRAIN

ALBUQUERQUE

CONCRETE BOX CULVERT 3'X 12'

SOUTH SECOND STREET HIGHWAY

A.T.&S.F. R.R.

SAN JOSE INTERIOR DRAIN

Sew. Mn. Lateral

T.E. PLANT

Settling Basin

Emergency Drain Spillway

42" Cor. Pipe Culvert

72" COR. PIPE CULVERT

CONCRETE BOX CULVERT 3'X 6'X 60'

FAIRVIEW CEMETERY ASSOCIATION

BURTON PARK

HIGHLAND

ALBUQUERQUE MUNICIPAL AIRPORT

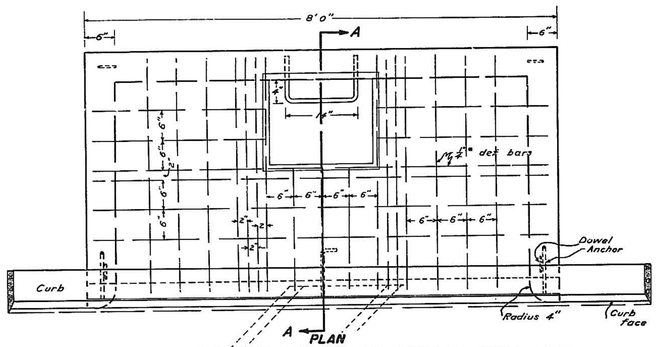
RUNWAY

ASSEMBLY & LOADING PIT

28

27

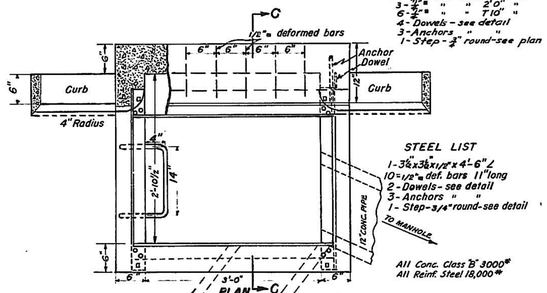
34



STANDARD CATCH BASIN – TYPE B.

SCALE: 1 INCH = 1 FOOT

STEEL LIST
1 - 3½"x3½"x½" x 8'-0" L
14 - ½" ø def. bars 3'-1" long
3 - ½" ø " " 2'-0" "
6 - ½" ø " " 1'-10" "
4 - Dowels - see detail
3 - Anchors " "
1 - Step - ¾" round - see plan

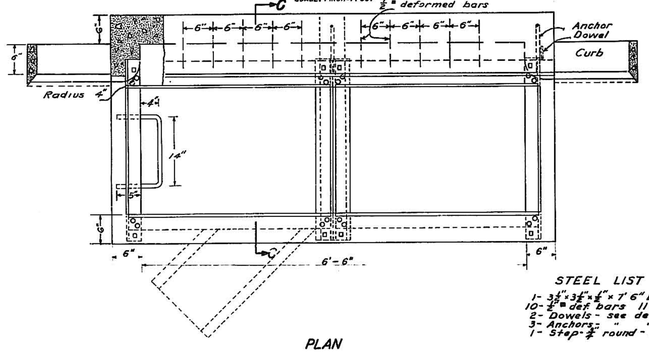


STEEL LIST
1 - 3½"x3½"x½" x 4'-6" L
10 - ½" ø def. bars 11" long
2 - Dowels - see detail
3 - Anchors " "
1 - Step - ¾" round - see detail

All Conc. Class "B" 3000#
All Reinf. Steel 18,000#

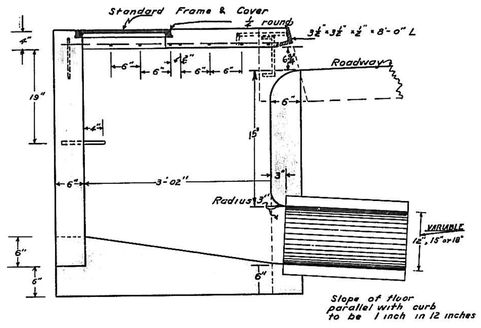
INLET & CATCH BASIN – TYPE "C" – ONE-HALF STANDARD SIZE

SCALE: 1 INCH = 1 FOOT

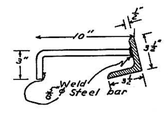


STEEL LIST
1 - 3½"x3½"x½" x 7'-6" L
10 - ½" ø def. bars 11" long
2 - Dowels - see detail
3 - Anchors " "
1 - Step - ¾" round - see plan

PLAN
STANDARD CATCH BASIN – TYPE C
Scale 1" = 12"

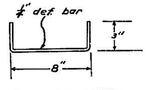


SECTION A–A

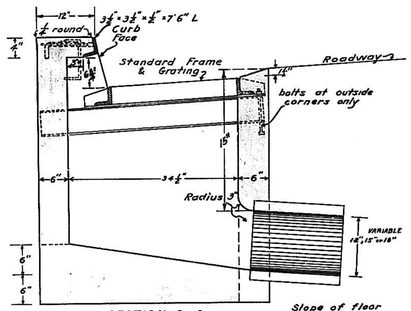


DETAIL OF ANCHOR

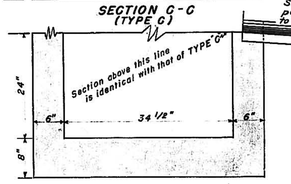
Dowel and anchor design are identical for both types of catch basins



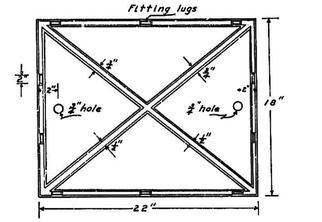
DETAIL OF DOWEL
To be used when top is poured separate



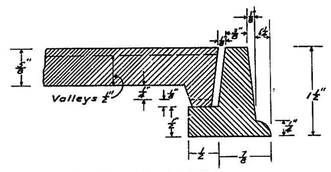
SECTION C–C
(TYPE C)



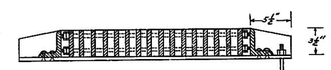
SECTION C–C
(TYPE C-1)



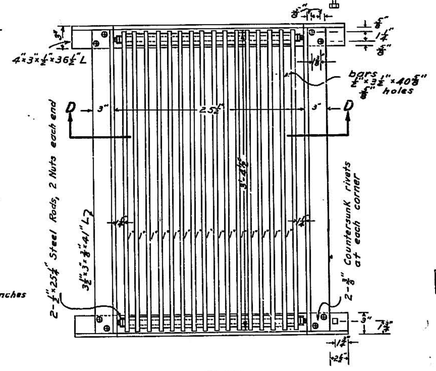
BOTTOM PLAN OF COVER
Scale 1" = 6"

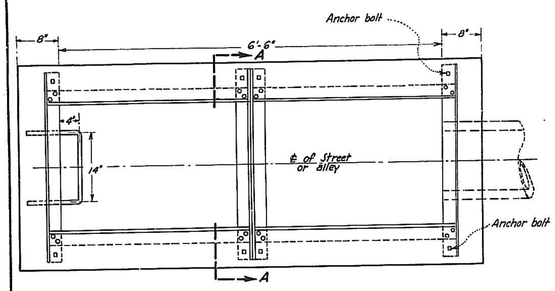


FRAME AND COVER CONNECTION
Scale 1" = 1"

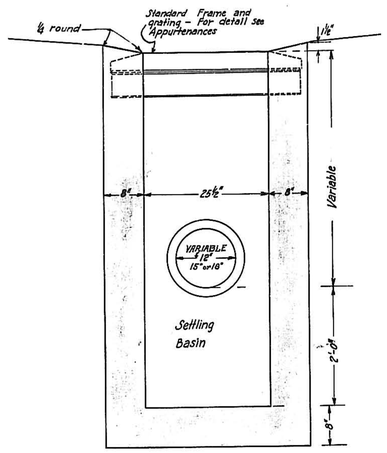


SECTION D–D

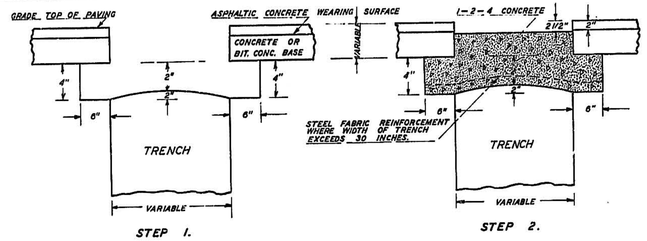

4"x3"x½"x36½" L
bars ½" x 1" x 10⅝" holes
D
3"
22"
3"
D
3"
3"
3"



PLAN
STANDARD CATCH BASIN TYPE - D
Scale 1"=1'



SECTION A-A

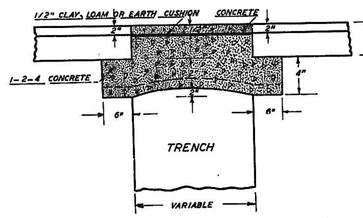


STEP 1.

(A). BACKFILL AND HAND-TAMP THE OPEN TRENCH IN SUCCESSIVE LAYERS OF NOT MORE THAN NINE INCHES IN THICKNESS.
(B). SQUARE UP EXPOSED EDGES OF PAVING IN A NEAT MANNER.
(C). EXCAVATE DIRECTLY UNDER EDGE OF PAVING A TRENCH 6 WIDE AND 4 DEEP AS SHOWN ABOVE.
(D). ARCH BACKFILL IN CENTER OF TRENCH MAKING THE CROWN AT CENTER 2 BELOW BOTTOM EDGE OF PAVING
(E). DEPTH OF PATCH WILL VARY ACCORDING TO TYPE OF PAVING TO BE REPAIRED.

STEP 2.

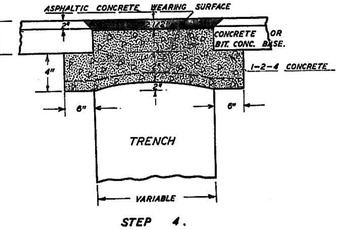
(A). WASH OFF THE EXPOSED PAVING EDGES AND WET THE SUBGRADE LIGHTLY.
(B). FILL WITH A 1-2-4 MIX CONCRETE TO WITHIN 2 1 2 OF GRADE OR TOP OF PAVING TAMP THE CONCRETE THOROUGHLY ESPECIAL CARE BEING TAKEN TO COMPLETELY FILL AND TAMP THE CONCRETE INTO THE TRENCH UNDER EDGE OF PAVING.
(C). WHERE THE WIDTH OF TRENCH EXCEEDS 30 INCHES PLACE ONE LAYER OF STEEL FABRIC REINFORCEMENT WEIGHING NOT LESS THAN 35 POUNDS PER 100 SQ. FT., 2" ABOVE THE BOTTOM OF THE CONCRETE.
(D). STRIKE THE SURFACE OF THE CONCRETE OFF ROUGHLY WITH A SHOVEL BUT DO NOT FINISH SMOOTH.



STEP 3.

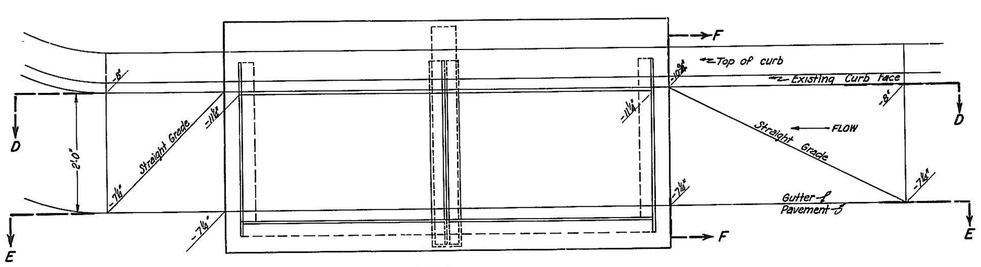
(A). AFTER THE CONCRETE PLACED IN STEP 2. HAS TAKEN ITS INITIAL SET PLACE A 1/2" LAYER OF CLAY, LOAM OR ORDINARY EARTH (NOT SAND) OVER THE SURFACE OF THE CONCRETE.
(B). FILL REMAINDER OF CUT WITH 1-2-4 MIX CONCRETE TO TOP OF PAVING AND FINISH WITH WOODEN FLOAT.
(C). BARRICADE AGAINST TRAFFIC FOR AT LEAST 24 HOURS AFTER PLACING TOP COURSE. AT NIGHT PLACE LANTERNS OR TORCHES BY THE BARRICADES.

NOTE: TO REPAIR CUTS IN PLAIN CONCRETE, ALLEY PAVING. PREPARE THE OPENING AS IN STEP 1. FILL WITH 1-2-4 MIX CONCRETE AND, FINISH FLUSH WITH TOP OF PAVING.

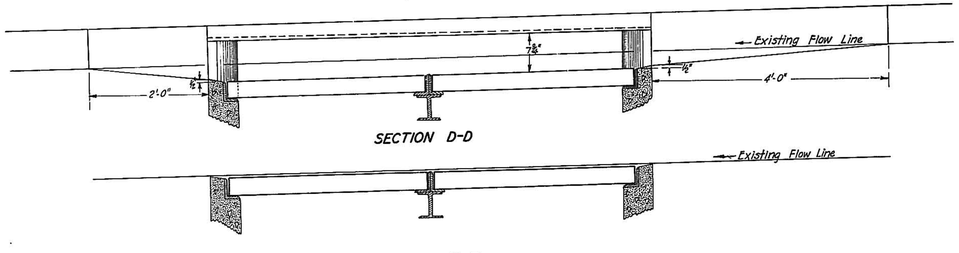


STEP 4.

(A). BREAK AND CHIP OUT THE 2" TOP COURSE OF CONCRETE AND 1/2" LAYER OF DIRT.
(B). CUT BACK THE EDGE OF PRESENT ASPHALTIC CONCRETE SURFACE ON AN ANGLE OF 45° WITH VERTICAL OR 1 TO 1 SLOPE.
(C). CLEAN OUT, CUT AND SWEEP CLEAN WITH HEAVY BROOM.
(D). HAUL AWAY AND DISPOSE OF ALL WASTE MATERIALS.
(E). REPAIR CUT WITH ASPHALTIC CONCRETE WEARING SURFACE IN ACCORDANCE WITH CITY PAVING SPECIFICATIONS. THE SURFACE FINISH TO BE THE SAME TYPE AS THAT OF PAVING SURROUNDING THE PATCH.
(F). THE STREET IN VICINITY OF PATCH SHALL BE THOROUGHLY CLEANED UP BEFORE BEING OPENED TO TRAFFIC.

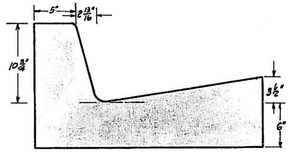


PLAN
STANDARD LOCAL DEPRESSIONS FOR CATCH BASINS
TYPES A, B AND C & C-1

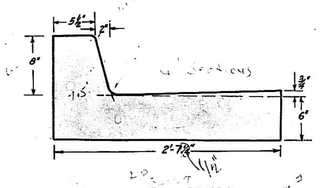


SECTION D-D

SECTION E-E



SECTION F-F



STANDARD SECTION
CURB AND GUTTER

0 8 0 0 1 0 3 3 0

STATE OF NEW MEXICO
CITY OF ALBUQUERQUE
HIGHLAND STORM SEWERS

STANDARD METHOD OF REPAIRING CUTS IN PAVEMENTS
Also
STANDARD LOCAL DEPRESSIONS FOR CATCH BASINS

DRAWN E.S.H.
TRACED R.R.S.
CHECKED

RECOMMENDED
APPROVED E. O. Betts

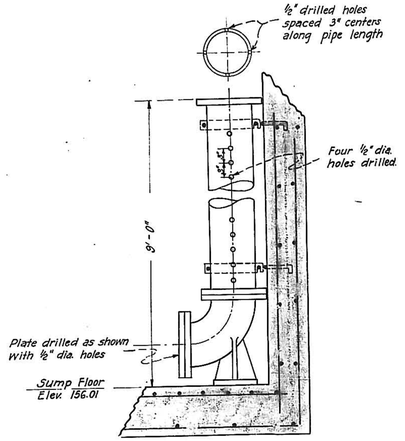
ALBUQUERQUE, NEW MEXICO
OCTOBER 23, 1939

SHEET NO. 3

D 24 C 20 B 16 A 12

CITY OF ALBUQUERQUE

C D



8"- 125# CAST IRON PIPE STILLING WELL
Scale 1"=1'

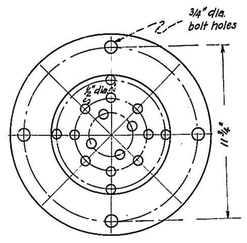
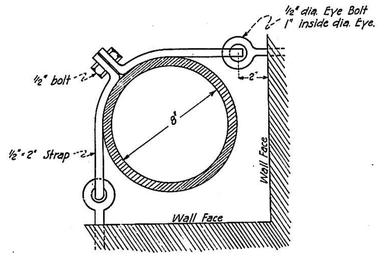
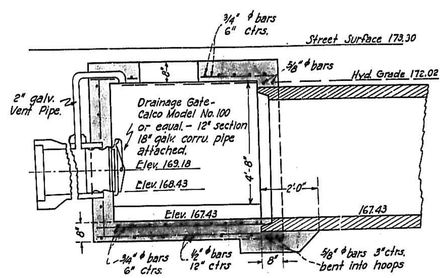


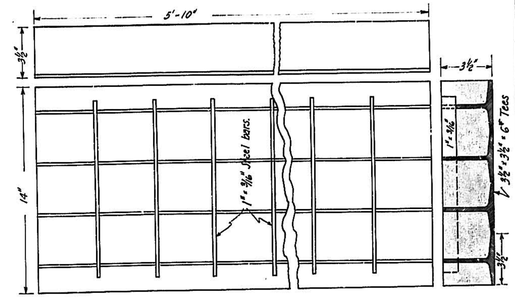
PLATE DETAIL



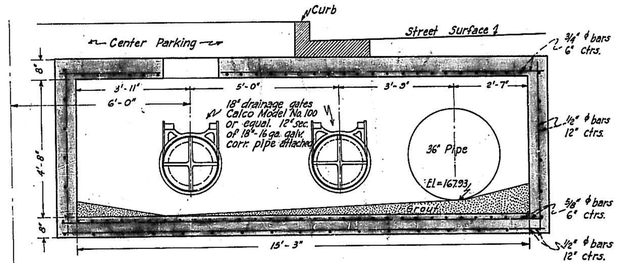
DETAIL
STILLING WELL SUPPORT
Scale 3"=1'



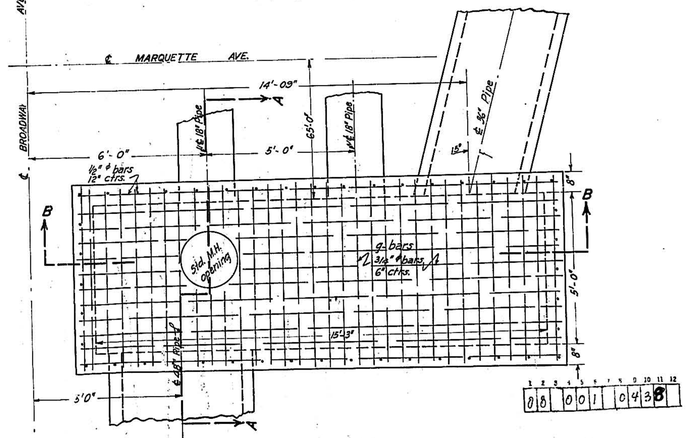
SECTION A-A
Scale ½"=1'



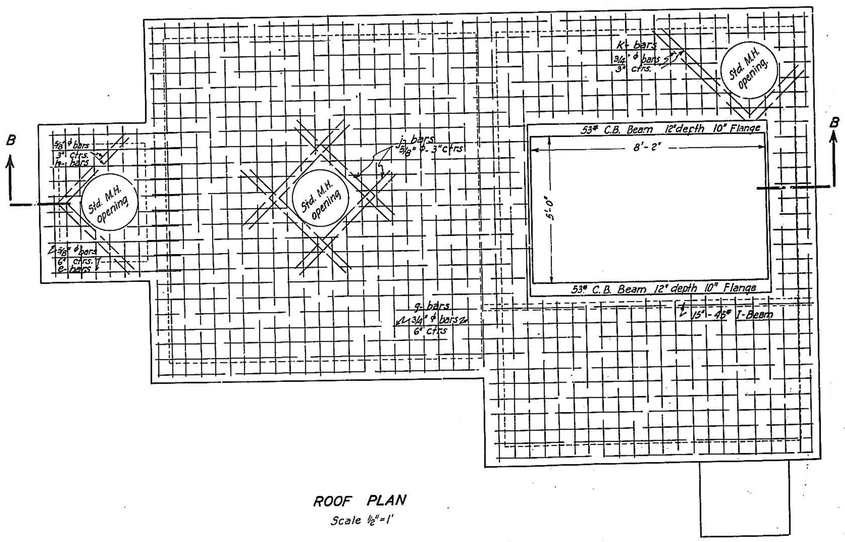
CARNEGIE STEEL CO. T'-TRI-LOK. SLAB OR EQUAL
Scale 3"=1'



SECTION B-B
Scale ½"=1'



SPECIAL MANHOLE "C"
ROOF PLAN
Scale ½"=1'



ROOF PLAN
Scale ⅛"=1'

REINFORCING STEEL

BAR	NO.	SIZE	LENGTH	SPACING	TOTAL LENGTH	WEIGHT
a	6	½"ϕ	12'	12"	72'	24.0
a	6	1	4'-2"	1	25'	16.7
a	10	1	23'-4"	1	233'-4"	145.9
a	1	1	13'-6"	1	13'-6"	8.5
a	18	1	8'-9"	1	157'-6"	98.4
a	11	1	16'	1	176'	110.0
a	11	1	31'6"	1	31'6"	2.0
a	1	1	4'-6"	1	4'-6"	3.0
a	1	1	3'	1	3'	2.0
a	5	1	11'	1	55'	34.0
a	3	1	6'-8"	1	20'	17.3
a	3	1	11'-8"	1	35'	30.4
a	8	1	18'	24"	192'	64.0
a	4	1	13'-8"	1	55'-4"	11.1
a	4	1	22'-6"	1	89'-6"	45.6
a	3	1	13'-9"	1	42'-3"	12.8
a	5	1	15'	1	75'	50.0
a	8	1	18'	1	144'	96.0
a	8	1	18'	12"	192'	64.0
a	1	1	18'	1	18'	12.0
a	1	1	13'-6"	1	13'-6"	8.7
a	1	1	3'-6"	1	3'-6"	2.0
a	1	1	2'-6"	1	2'-6"	1.7
a	1	1	8'-6"	1	8'-6"	11.6
a	10	1	8'	24"	80'	60.0
a	1	1	18'	1	18'	4.3
a	1	1	18'	1	18'	36.0
a	17	1	10'	1	170'	113.4
a	1	1	11'-6"	1	11'-6"	5.0
a	2	1	6'-6"	1	13'	8.7
a	2	1	15'	12"	30'	20.0
a	17	1	18'	1	306'	196.1
a	6	1	22'-6"	1	135'	94.0
a	10	1	8'-6"	1	85'	14.0
a	68	1	4'-6"	1	306'	612.8
a	1	1	3'	1	3'	2.0
a	68	1	10'	1	680'	680.4
a	6	1	4'-6"	1	27'	18.0
a	6	1	6'-8"	1	40'	40.0
a	6	1	6'	1	36'	37.5
a	6	1	4'-2"	1	25'	17.1
a	10	1	3'	1	30'	30.8
a	8	1	2'	1	16'	16.4
a	1	1	2'-6"	1	2'-6"	2.6
a	1	1	3'-6"	1	17'-6"	11.1
a	15	1	15'	1	15'	10.2
g	19	¾" ϕ	12'	6"	228'	342.0
g	8	"	18'	6"	144'	601
g	8	"	18'	6"	201	135.2
g	14	"	15'-6"	6"	201	192.2
g	14	"	15'-6"	6"	643'	964
g	8	"	22'-6"	6"	1785.6"	268.6
g	8	"	22'-6"	6"	741	111.2
g	4	"	18'-8"	6"	124'	186.0
g	12	"	18'-8"	6"	224'	336.0
g	12	"	12'-8"	6"	153'	229.5
g	3	"	15'-6"	6"	46'	69.0
s	3	⅝" ϕ	35'-6"	3"	107'	134.4
s	3	¾" ϕ	4'-6"	6"	40'	41.7
s	2	¾" ϕ	4'-6"	6"	9'	18.5
s	2	"	2'	6"	4'	8.0
m	86	⅜" ϕ	12'	6"	918'	378.4
m	92	"	8'-6"	6"	978'	381.1
m	29	"	10'-6"	6"	1265.4"	131.1
m	29	"	9'-8"	6"	1254.6"	244.1
m	22	"	18'	6"	396'	413.0
m	⅜	"	18'	12"	198'	206.1
n	13	½"ϕ	18'	18"	195'	110.1
n	11	"	18'	6"	165'	110.1
n	12	"	8'-6"	6"	102'	69.4
n	12	"	8'-6"	6"	104'	70.8
n	15	"	18'	6"	165'	110.1
n	8	"	18'	6"	144'	98.0
n	24	"	3'-6"	6"	84'	57.0
q	2	1/8	10'-8"	4"	21'-4"	72.6
					Total=	6943.2
					Cu. Yds. Conc.=	44.48
					" " Grout =	0.81

STATE OF NEW MEXICO
CITY OF ALBUQUERQUE
HIGHLAND STORM SEWER
P.W.A. DOCKET NO. N.MEX. 1126-F

ROMA AVENUE PUMPING STATION

DRAWN H.W. Rankin
TRACED R.B.S.
CHECKED
RECOMMENDED
APPROVED E.O. Bettis
ALBUQUERQUE, NEW MEXICO
OCTOBER 12, 1938
Sheet No. 4

No. 28 Date 11/3/38 By L.C.L.
Entry or Accommodation

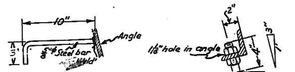
This sheet/map is certified to be a complete and accurate copy of the original as it appears in the official records of the Municipal/County Section of the Public Works Administration in the State of New Mexico. The Municipality or County assumes the responsibility that this sheet/map was prepared in accordance with the Standards of the Public Works Administration.

Chairman Local Board
Date 11/4/1938

D 24 C 20 B 16 A 12

CITY OF ALBUQUERQUE

C D



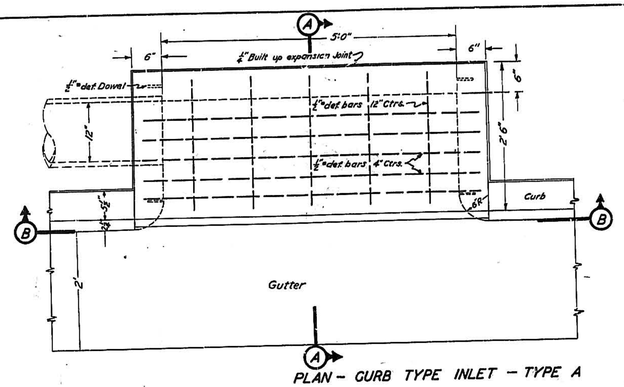
ANCHOR DETAIL "B"

GRATE BOLT DETAIL "A"

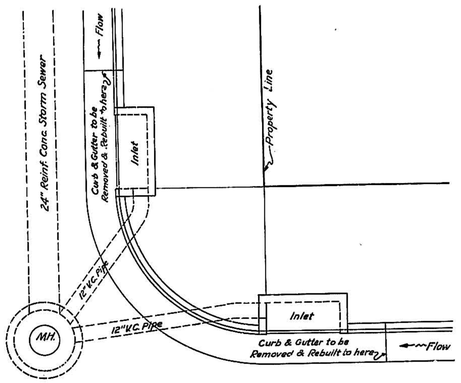
Scale 1½"=1'-0"



DOWEL DETAIL "C"

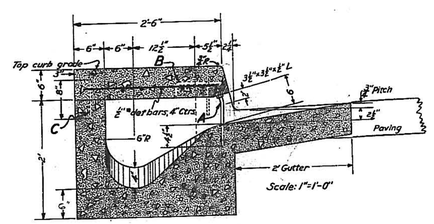


PLAN - CURB TYPE INLET - TYPE A



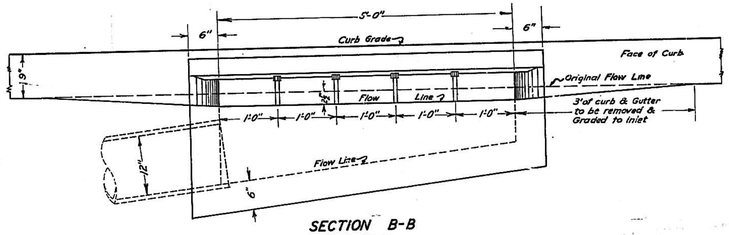
LOCATION OF INLETS IN STREET - TYPE "A"

Scale: 1"=1'-0"



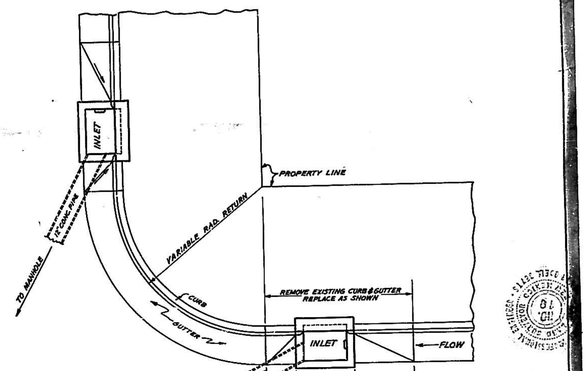
Scale: 1"=1'-0"

SECTION - A-A

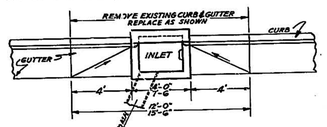


SECTION B-B

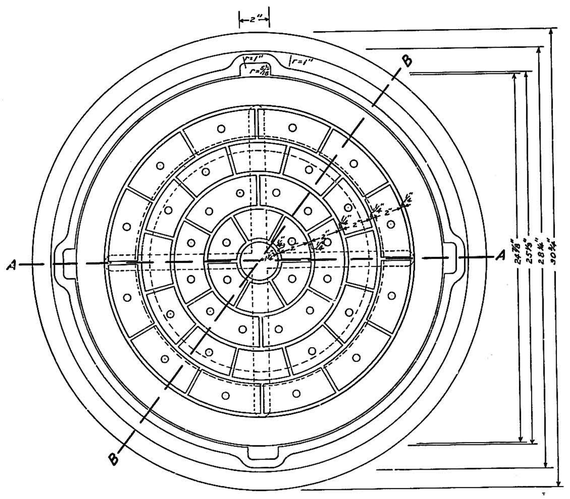
Scale: 1"=1'-0"



LOCATION OF TYPE "C" & "C-1" INLETS IN STREET



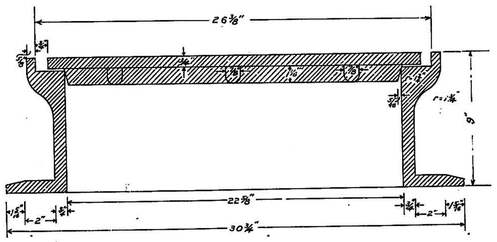
LOCATION OF TYPE "C" & "C-1" INLET IN STREET TANGENT



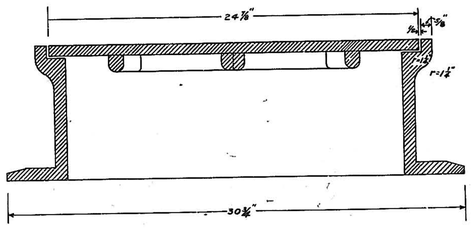
PLAN

STANDARD MANHOLE FRAME AND COVER

Scale: ½"=1"



SECTION A-A



SECTION B-B

Scale: ½"=1"

1 2 3 4 5 6 7 8 9 10 11 12

0 8 0 0 1 0 4 3 0

STATE OF NEW MEXICO

CITY OF ALBUQUERQUE

HIGHLAND STORM SEWERS

TYPE A

CURB TYPE INLET

AND

STANDARD MANHOLE FRAME AND COVER

DRAWN E.D.G.

TRACED E.S.H.

CHECKED

RECOMMENDED

APPROVED E. O. Britt

ALBUQUERQUE, NEW MEXICO OCTOBER 8, 1938

SHEET NO. 4

STATE TRACK SURVEY
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...this blueprint is certified to be a correct and complete copy of ... of the ... Highland Storm Sewers ... City of Albuquerque. The information ... was taken from ... plans and ... by me or ... under my supervision based ...

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