STORM WATER SEWER NO. 152

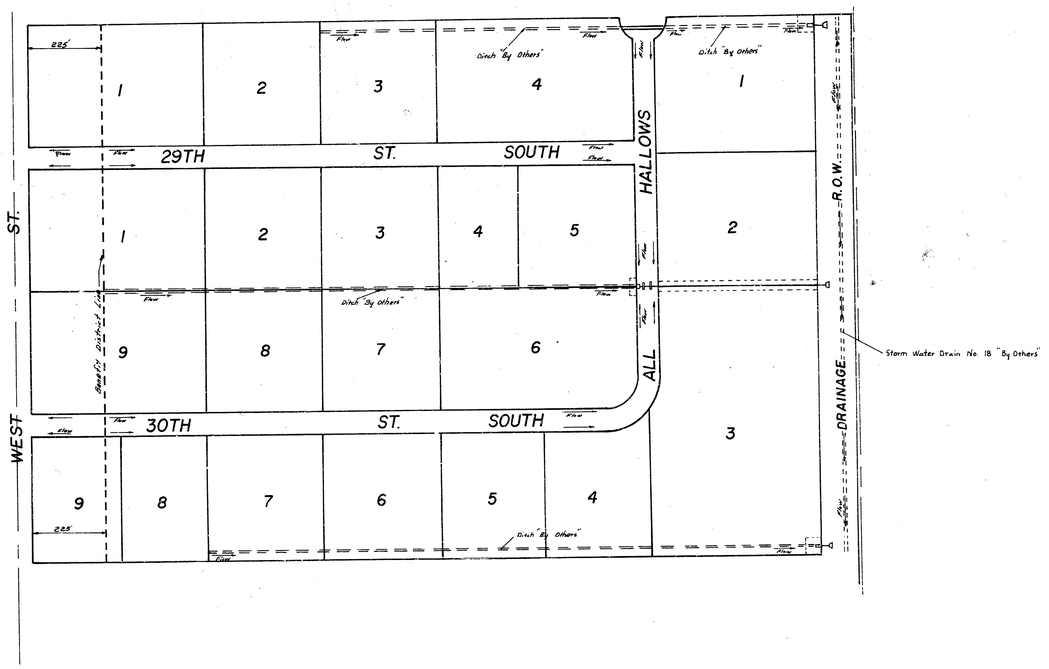
CITY OF WICHITA, KS.

R. W. LINN CITY ENGINEER

PROJECT NO. 468 76 245 80713 000 000 001

GENERAL NOTES

1. All existing trees in the vicinity of the project area shall be saved. Cost of saving these trees, if any is to be considered incidental to project.
2. Field Engineer shall take ties to all irons in the vicinity of the project area prior to construction. All irons shall be replaced after the construction.
3. All concrete unless otherwise noted shall be "6-sack concrete".



Index

Sheets 2-5 Plan
Sheet 6 Standard Detail of Type 22 Inlet
Sheets 7-11 Details of Headwalls & Ditch Inlets

PLAN
Drawn L. Ray 4-17-79
NOTES
INDEX

PROFILE
NOTES

Lot 3
Block 1
Kessler - Koch Addition

Lot 2
Block 1
Kessler - Koch Addition

½ Sec. Line
W.L. Siberian Ave
E.L. Chaney's R.O.W.

Sta. 1+16 W.L. Drainage R.O.W.

Sta. 6+20.04 E.L. All Hallows

N

Plan Scale 1" = 20'
Profile Scale 1" = 20' Hor.
1" = 5' Vert.

Sta 0+90
Const. Headwall ℄ 92.61
See Detail, Sheet 7
Begin Pipe: IE 93.35

504.04'

18'

24'

Install Type 3 Rip-Rap

℄ of Proposed Ditch
By Others - 8' Bottom
3:1 Sideslopes

10'

46'

76'

Sta 0+90 Proposed Ditch
℄ 92.61 8' Bottom 3:1 Sideslopes

Previous Existing Ground

Sta 0+90
Const. Headwall
See Detail, Sheet 7
Begin Pipe

Existing Ground

100
95
90
85
80

92.61 (Const. Headwall)
92.81
92.95
93.36
93.44
93.58
93.60
93.68
93.76
93.78

F/O
F/O and F/O in
F/O

Headwall Floor

530 L.F. of 43" x 68" H.E.R.C.P. @ .081%
Alt. 64" x 43" C.M.P.A. Fully Paved @ .081%

0 1 2 3 4 5 6

Sta. 6+20

KE PLATE 1, PLAN-PROFILE
KEUFFEL & ESSER CO.

S.W.S. # 152 Kessler-Koch Addition
Project No. 468-76-24 (a) 7013-000-000-001
Sheet 2 of 10

Lot 6
Block 2
Kessler - Koch Addition

Plan Scale 1" = 20'
Profile Scale 1" = 20' Hor.
1" = 5' Vert.

Lot 13
Block 1
Kessler - Koch Addition

Plan Scale 1" = 20'
Profile Scale 1" = 20' Hor.
1' = 5' Vert.

Std 7+86.5 Fls in 96.60 Fls out 94.98
Const. Ditch Inlet
See Detail Sheet 8

Install Type 3 Rip-Rap

Sta 1+54 Fls in 97.16 Fls out 92.93
Const. Ditch Inlet
See Detail, Sheet 10

Sta 1+20
Const. Headwall
See Detail, Sheet 9
Begin 54" Pipe fl. 92.91

Install Type 3 Rip-Rap

Sta 1+46
End 54" Pipe

Lot 3
Block 1
Kessler - Koch Addition

50' x 50' Drainage Easement

Lot 2
Block 1
Kessler-Koch Addition

Lot 3
Block 1
Kessler-Koch Addition

Lot 5
Block 2
Kessler - Koch Addition

ALL HALLOWS

Street Sta 9+00
Street Sta 9+50
Street Sta 10+00
Street Sta 10+50
Street Sta 11+00

70' R.O.W.
41' B-B.
8" PVC Pipe @ 8.5%
8" PVC Pipe @ 8.5%
8" A.C. Water Line
Sanitary Sewer
Flow
20' Private Drainage Easement
26' x 50' Drainage Easement
℄ of Ditch @ .20% to be constructed by others

Sta 6+32.5 (Street Sta 10+12.64)
Const. Type 22 Curb Inlet
W = 4'0" L = 10'0"

Sta 6+97.5 (Street Sta 10+12.64)
Const. Type 22 Curb Inlet
W = 4'0" L = 10'0"

W.L. Storm Water Drain w/18" R.C.P. Culvert
W.L. Drainage R.O.W.
W.L. Sidewalk Pipe
F.L. Drainage Right of Way

Proposed Ditch
By Others - 8' Bottom
3:1 Sideslopes

Storm Water Drain w/18" R.C.P. Culvert

Sta 0+70 Proposed Ditch
E. 92.91 ± 8' Bottom 3:1 Side-slopes

Sta 1+20
Const. Headwall
See Detail, Sheet 9
Begin 54" Pipe

Sta 1+46
End 54" Pipe

Sta 1+61
Begin Ditch @ 2%
To Be Constructed by Others

Previous Exist. Ground
Existing Ground
3:1 Grass Slope

PROFILE

Sta 6+20

Proposed 3:1 Grassed Slope
Existing Ground
Proposed Pavement at All Hallows

100
95
90
85
80

Fls 93.38

Fls out 93.83
Fls in 93.42
Fls out 94.98
Fls in 96.60

57.5 L.F. of 43"x68" H.E.R.C.P. @ .081%
Alt. 57.5 L.F. of 64" x 43" C.M.P.A. Fully Paved @ .081%

6.5 L.F. of 43"x68" H.E.R.C.P. @ 2.5%
Alt. 6.5 L.F. of 64" x 43" C.M.P.A. Fully Paved @ 2.5%

Ditch @ .20% To Be Constructed By Others

26 L.F. of 54" R.C.P. @ 2%
Alt. 26 L.F. of 54" C.M.P. Fully Paved @ 2%

Fls 92.91
Fls 92.44
Fls 92.41
Fls 92.93
Fls 97.16
Fls 97.24
Fls 97.44

Head-wall
Flow 10'

Ditch @ .20% To Be Constructed by Others
6' Bottom - 4:1 Sideslopes

7 8 1 2 3 4

PLAN

PLATE 1 PLAN/PROFILE
KOPPEL & ROSER CO.

S.W.S. # 152 Kessler-Koch Addition
Project No. 468-96-295-807-3-000-000-001
sheet 3 of 10

Lot 1

Block 1

Kessler - Koch Addition

Sta 1+24 Flo in 93.71 Flo out 93.21
Const Ditch Inlet
See Detail, Sheet 11

Sta 0+90
Const Headwall
See Detail, Sheet 9
Begin 54" Pipe IE 93.21

Proposed Ditch
By Others 8' Bottom
3:1 Sideslopes

Sta 1+16
End 54" Pipe

Install Type 3 Rip-Rap

50'x50' Drainage Easement

10' Utility Easement

W.L. Shoulder Pte
EL Drainage R.o.W.

Storm Water Drain # 18 "As Constr."

116' Drainage Right of Way

Sta 0+40 (Proposed Ditch (By others)
E 93.71 8' Bottom 3:1 sideslopes

Sta 0+90
Const. Headwall
See Detail, Sheet 9
Begin 54" Pipe

Sta 1+16
End 54" Pipe

Sta 1+37
Begin Ditch @ 10%
To Be Constructed By Others

Previous Exist. Ground

Existing Ground

3:1 Grass Slope

26 L.F. of 54" R.C.P. @ 2%
AH. 26 L.F. of 54" C.M.P.
Fully Paved @ 2%

93.71 F/o 93.21 F/o 93.21 F/o 93.71 F/o 97.39 F/o 97.43 F/o 97.45 F/o 97.55 F/o 97.65 F/o 97.67

Ditch @ 10% To Be Constructed by Others
6' Bottom 4:1 Sideslopes

Plan Scale 1" = 20'
Profile Scale 1" = 20' Hor.
1" = 5' Vert

PLATE 1, PLAN AND PROFILE
KESSLER & ASSOC. CO.

S.W.S. # 152 Kessler-Koch Addition
Project No. 468-76-245 - 713-000-000-001
sheet 4 of 11

Lot 1
Block 1
Kessler - Koch Addition

Lot 4
Block 3
Kessler - Koch Addition

Alt Harlows

Existing 55 Alt Tile Pipe

Existing 8" A.C. Water Line

Future Proposed Pavement By Others

Install Type 3 Rip-Rap

Install Type 3 Rip-Rap

Install Pipes with 5' Between Centerlines

10' Utility Easement

6' Bottom Ditch @ .1% with 4:1 sideslopes To Be Constructed By Others

Caution: 8" A.C. Water Line To Be Moved By Others

6' Bottom Ditch @ .26% with 4:1 sideslopes To Be Constructed By Others

Sta 5+87.28
Begin Double 42" x 29" C.M.P.A.
Install Beveled End Pipe to be paid for as lin. ft. of pipe
Bevel @ 2:1 IE 97.83

Sta 7+21.28
End Double 42" x 29" C.M.P.A.
Install Beveled End Pipe to be paid for as lin. ft. of pipe
Bevel @ 2:1 IE 97.97

N

Plan Scale 1" = 20'
Profile Scale 1" = 20' Hor.
1" = 5' Vert.

Sta 5+87.28 Begin Double 42" x 29" C.M.P.A.

Sta 6+54.28

Sta 7+21.28 End Double 42" x 29" C.M.P.A.

Existing Ground

Proposed T.C. 101.9 Flo 101.87

101.82 Top of Pipe

Beveled Pipe to be paid for as Lin. Ft. of pipe

105
100
95
90
85
80

97.67 Flo
97.75 Flo
97.83 Flo
97.85 Flo
97.90 Flo
97.95 Flo
97.96 Flo
97.97 Flo
98.18 Flo

6' Bottom Ditch @ .1% with 4:1 sideslopes To Be Constructed By Others

134 L.F. of Double 42" x 29" C.M.P.A. @ .1%

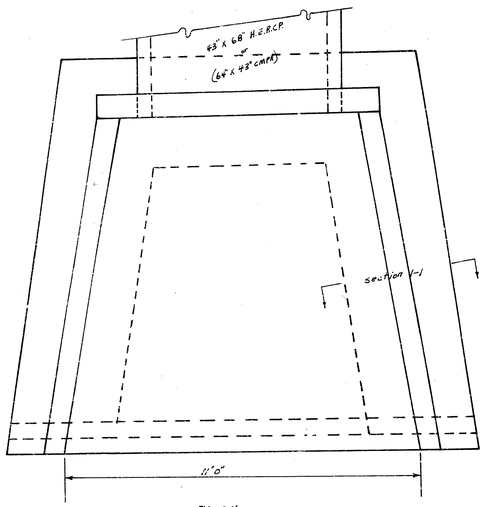
6' Bottom Ditch @ .26% with 4:1 sideslopes To Be Constructed By Others

5 6 7 8

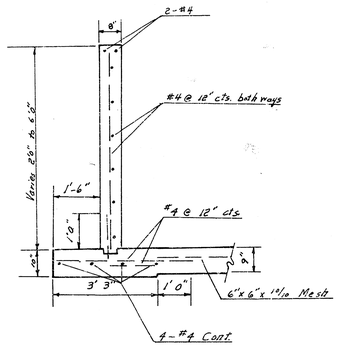
PLAN
PROFILE

PLATE 1 PLAN/PROFILE

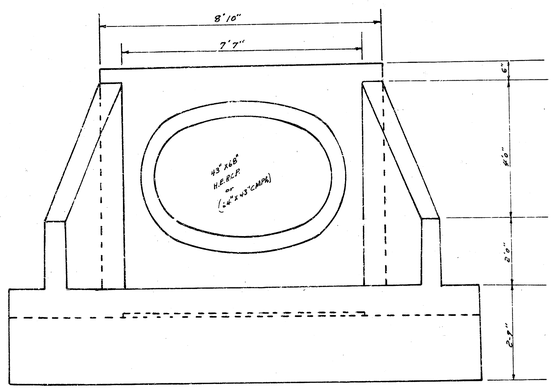
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Project No. 468-76-24 ; 90713-000-000-001
Sheet 5 of 17



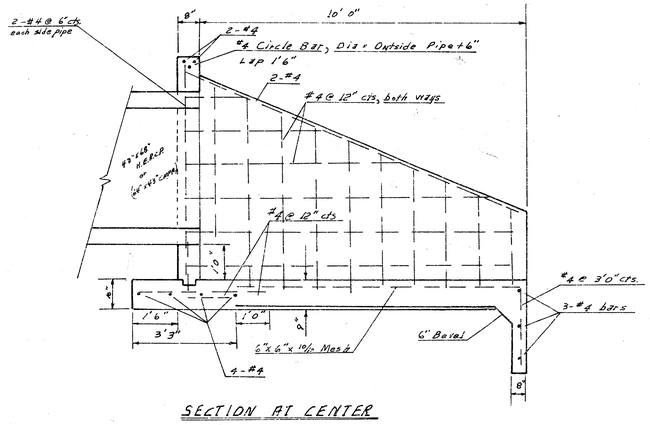
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SECTION 1-1



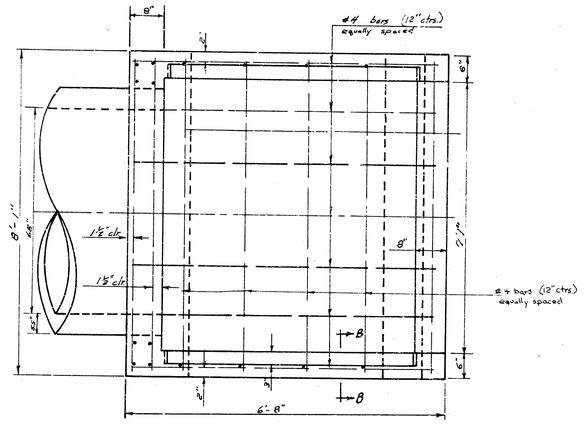
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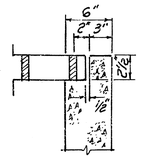
SECTION AT CENTER

Detail of Headwall
(No Scale)
For Plan see Sheet 2

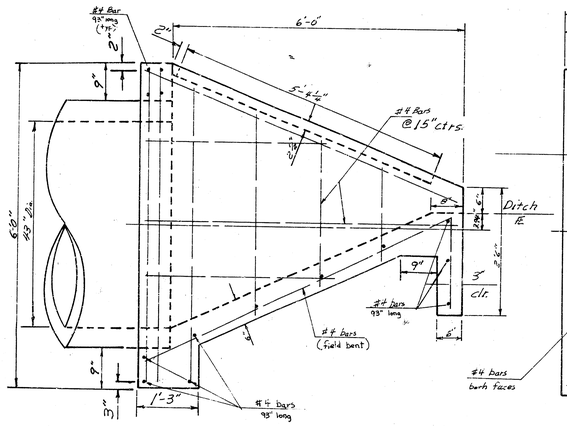
S.W.S. # 152 Kessler-Koch Addition
Project No. 468-76-245 713-000-000-001
Sheet 7 of 11



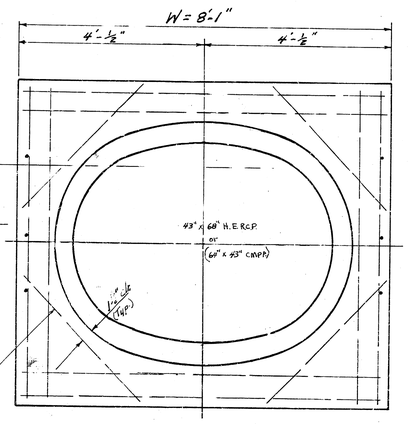
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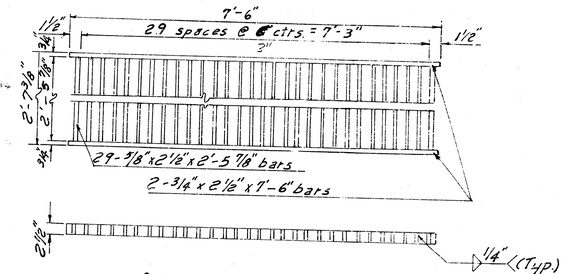
SECTION B-B



ELEVATION



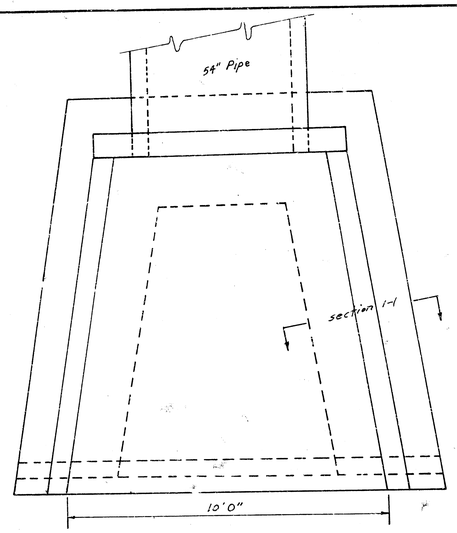
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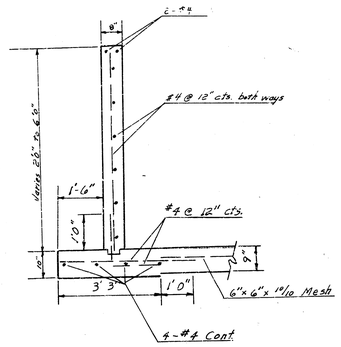
STRUCTURAL STEEL GRATE
(2 Req'd.)

Detail of Ditch Inlet
For Plan See Sheet 3

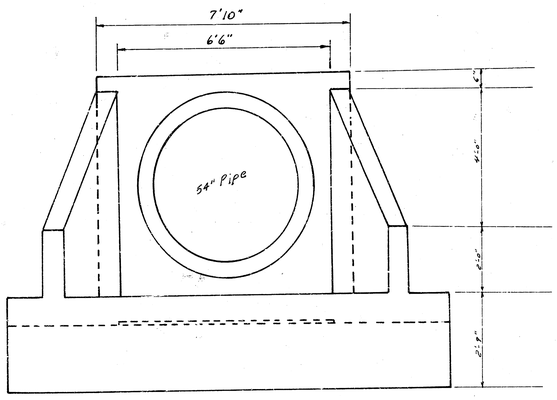
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Project No. 468-76-[illegible]-807/3-000-000-001
sheet 10 of 11



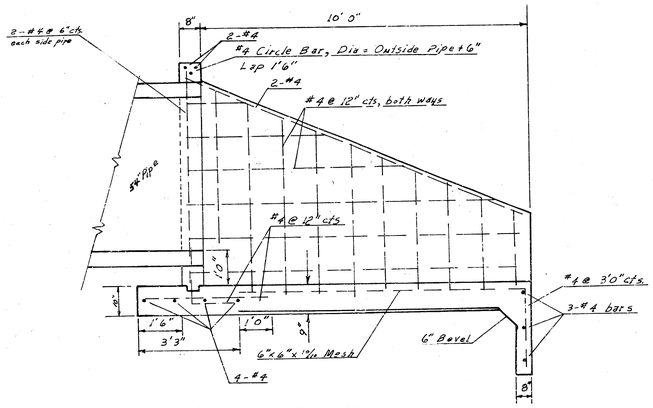
PLAN



SECTION 1-1



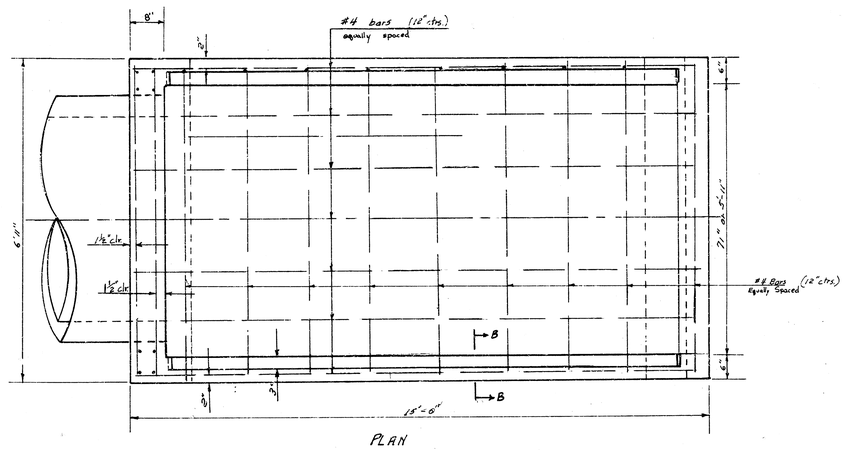
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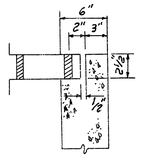
SECTION AT CENTER

Detail of Headwall
(No Scale)
For Plan see Sheets 3 and 4

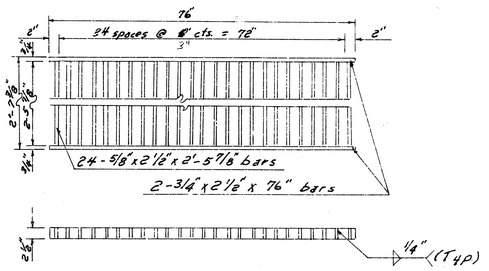
S.W.S. # 152 Kessler-Koch Addition
Project No. 468-76-245 S/ 713-000-000-001
Sheet 7 of 11



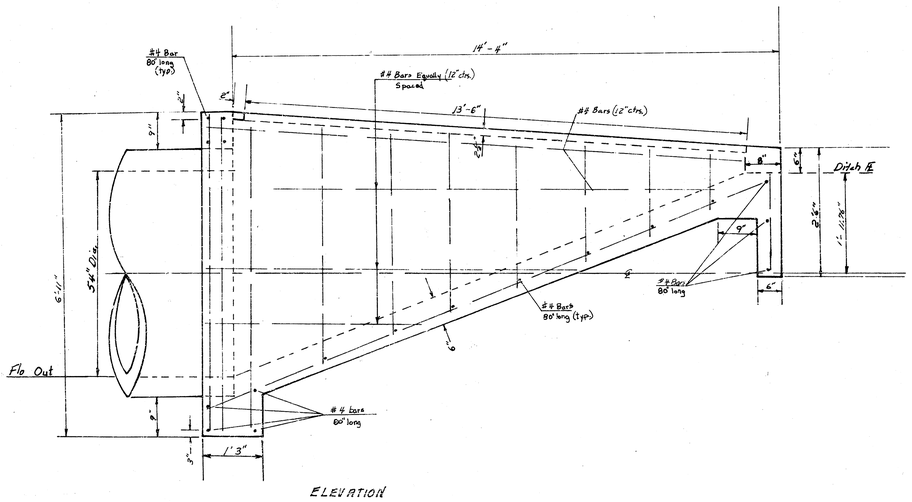
PLAN



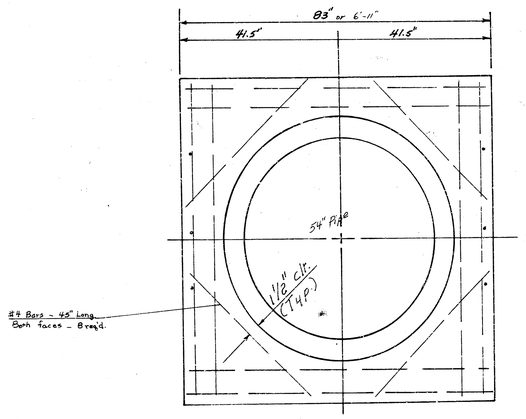
SECTION A-B



STRUCTURAL STEEL GRATE
5-Req'd

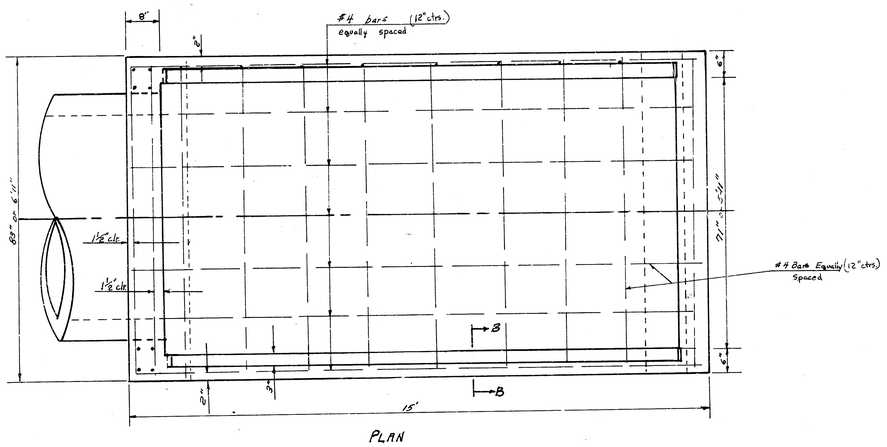


ELEVATION

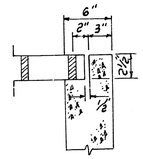


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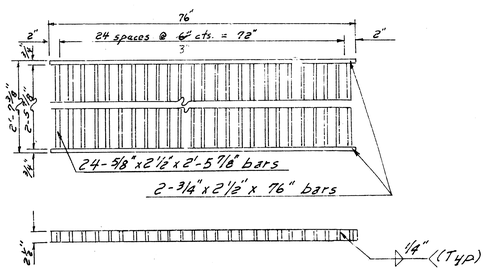
Detail of Ditch Inlet (No Scale)
For Plan see Sheet 3



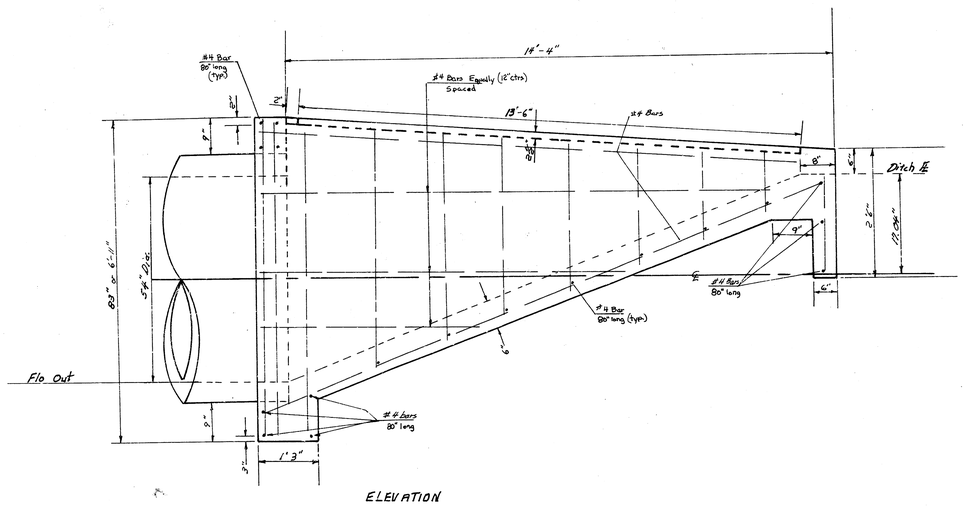
PLAN



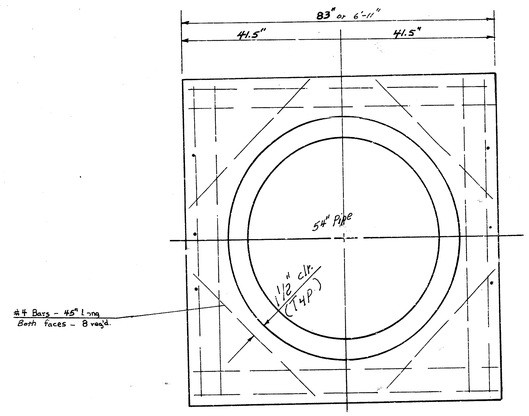
SECTION B-B



STRUCTURAL STEEL GRATE
5 - Req'd



ELEVATION



SECTION THRU INLET

Detail of Ditch Inlet (No Scale)
For Plan See Sheet 4

S.W.S. # 152 Kessler-Koch Addition
Project No. 468-76-245 · 713-000-000-001