PLAN AND PROFILE FOR

STORM WATER DRAIN NO. 25

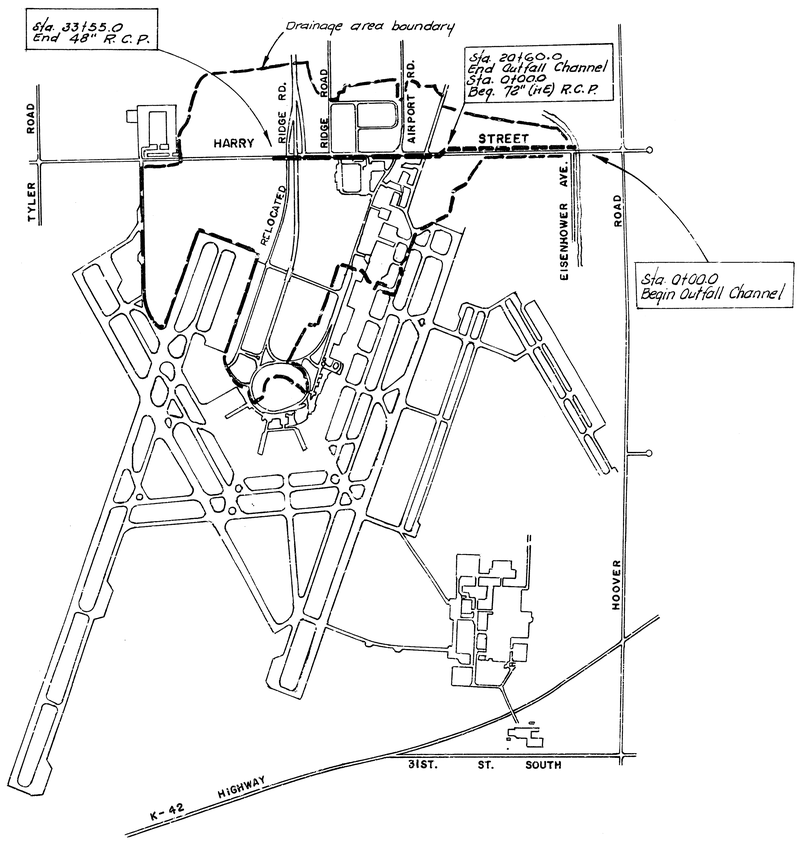
CITY OF WICHITA, KANSAS

R. W. LINN — CITY ENGINEER

FEB. 1976, PROJECT NO. DBKD575085

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N

SCALE 1"=1100'

135' DRAINAGE CHANNEL RIGHT-OF-WAY So | EISENHOWER AVE. 80' | ST.

HARRY

Sta. 01615

50'

30'

Sec. line

Exist. R/w N. S. 30'

50'

50'

S.E. Cor. Lot 13 Blk. 2 Wichita Municipal Airport Addn.

Drainage Easement Limits

Rock Rip-rap 2' min. thickness See sheet No. 13 for Riprap detail

RESERVE "A" WICHITA MUNICIPAL AIRPORT ADDN.

Sta. 5+00.0

115'

110'

130'

15' Maintenance berm

Install end Section

10'

Channel Flo

Rock Rip-Rap 2' min. thickness

Sta. 0+00.0

15' maintenance berm

130'

Sta. 01+55.0 End Rock Rip rap.

Sta. 01+95.0 Const. Special drop Inlet. See sheet No. 13 for detail Install 26'-12" CMP with end Section Flo out 112.00

Drainage Easement limits

3.3'

3.3'

4

1

15' Variable 10' Variable 15'

TYPICAL SECTION FOR OUTFALL CHANNEL

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

Sta. 01+00.0 @ Drainage R/w & south of Harry St. See sheet No. 13 for Rip rap detail.

Sta. 01+55 End Rock Rip rap.

Sta. 01+95.0 Const. Special Drop Inlet. See sheet No. 13 for detail Install 26'-12" CMP with end Section

Sta. 5+00.0

120
115
110
105

Rock Rip rap 2 ft. min. thickness. 6" Bedding.

4
1

50

Natural ground 115' N. of ℄ Harry St.

channel flo + 0.068 %

Proposed New channel Flo 106.60 CD 1294.00 MSL @ 0.15% from No.

110.57
110.58
111.70 Flo in 12" C.M.P.

112.51

110.65

110.71

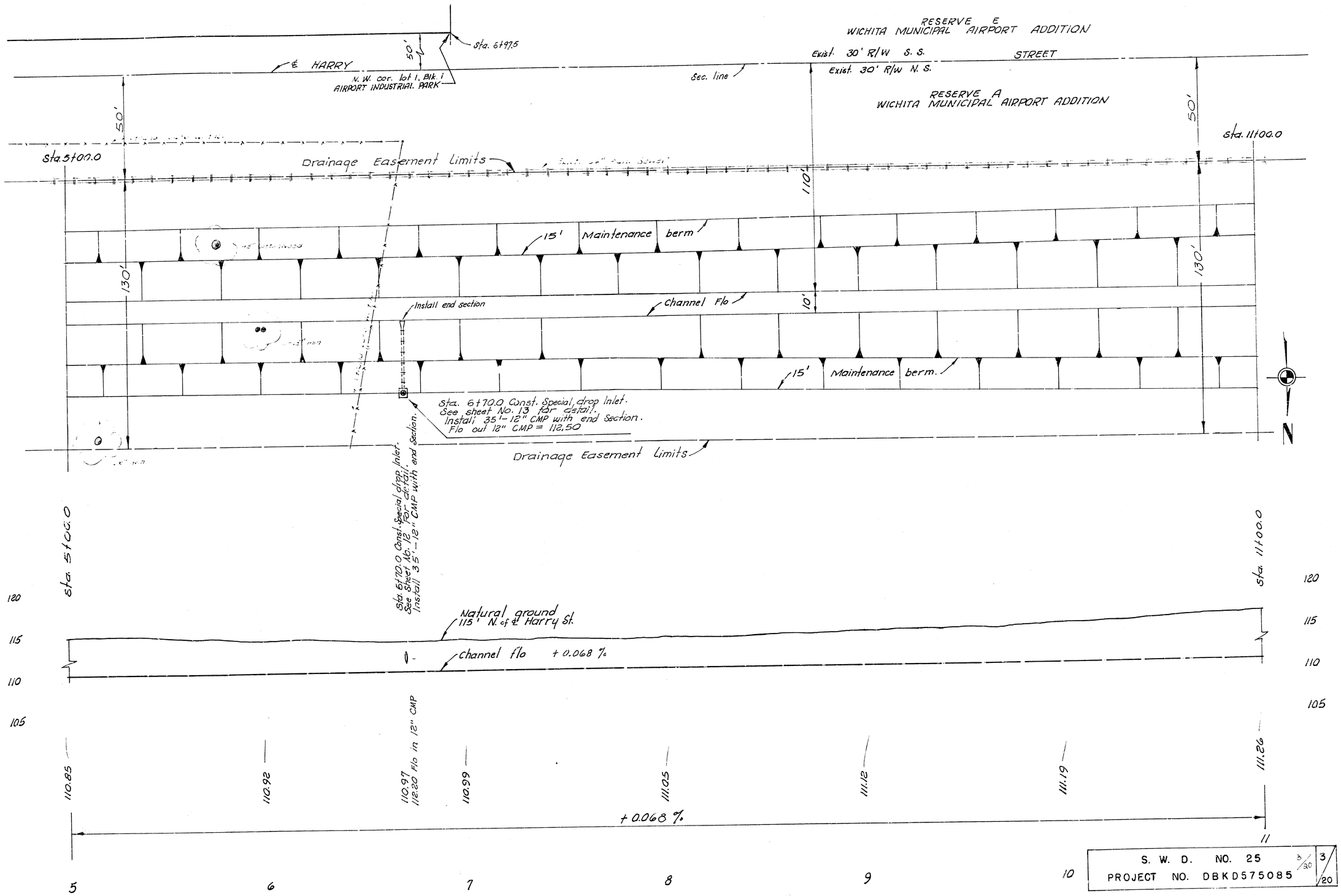
110.78

110.85

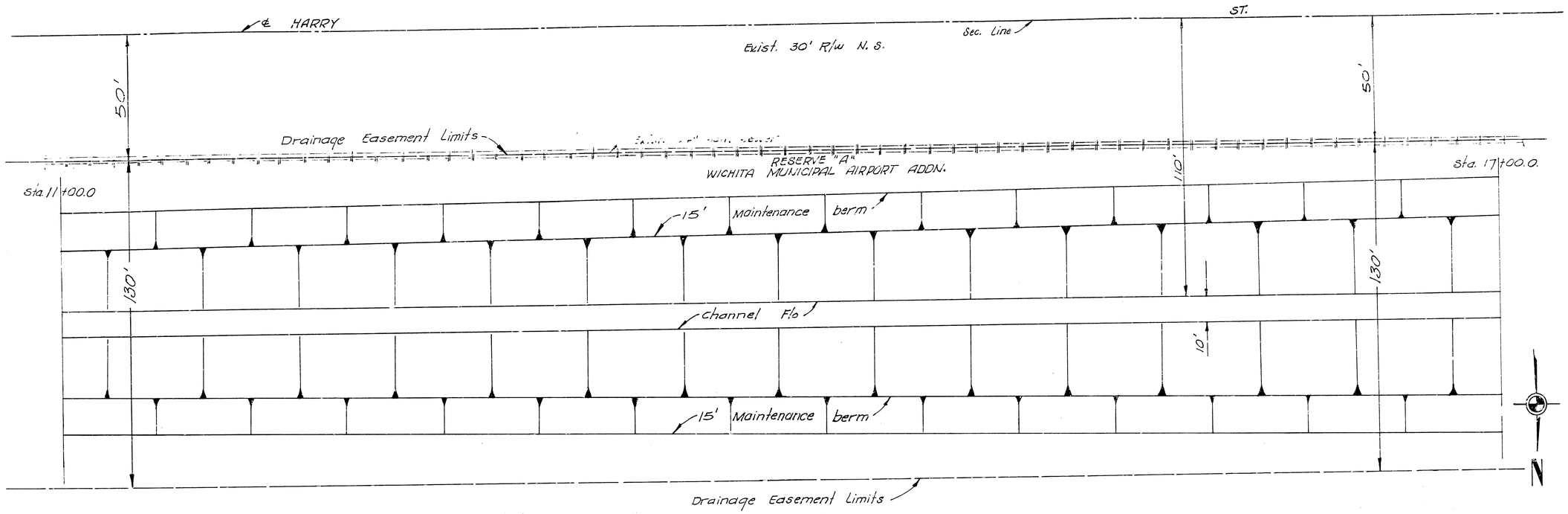
+ 0.068 %

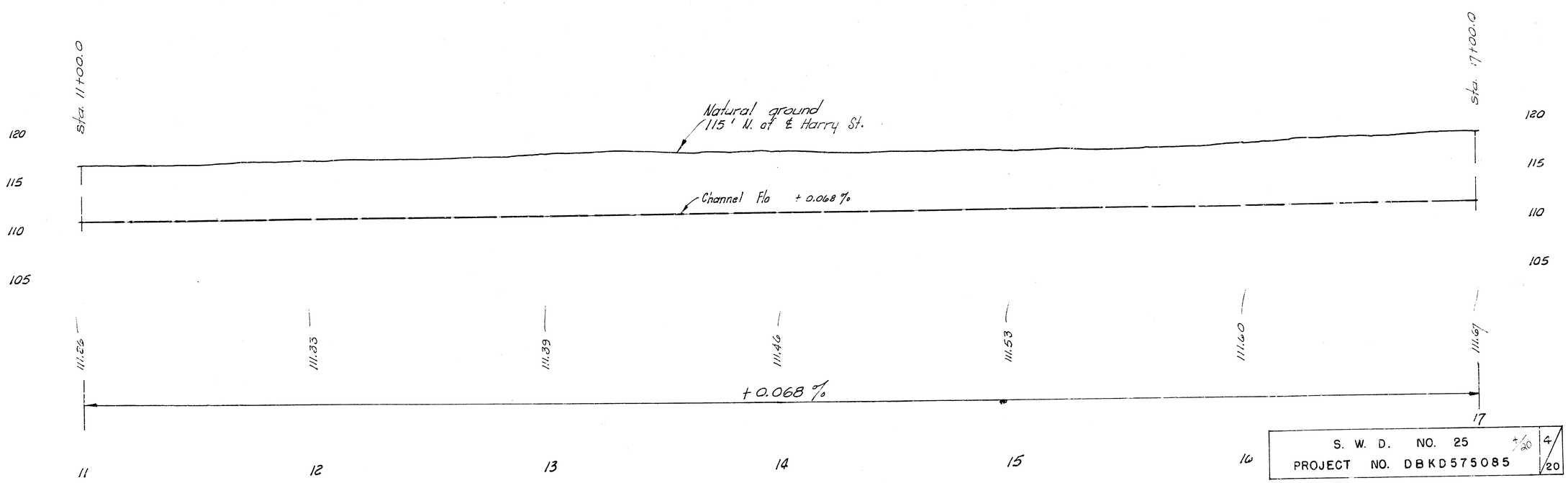
0 1 2 3 4 5

S. W. D. NO. 25 2/20
PROJECT NO. DBKD575085 2/20



S. W. D. NO. 25	3/30 3/20
PROJECT NO. DBKD575085	





S. W. D. NO. 25	4/20
PROJECT NO. DBKD575085	

B. M. 11904 City Std. Disc. 59' E. & 43' S. of 1/4 Sec. cor. 1/2 mile West of Hoover & Harry.

39° 50'

B. M. 114.74 N.E. cor. wk. front of Bldg. Airparts Co. Inc. 5801 W. Harry

℄ HARRY STREET

Sec. Line

Iron

S.W. cor. S.E. 1/4 Sec. 27, T27S. R.1, W.

30'

50'

Iron

Drainage Easement Limits

20'

Iron

C.35 %

R/w 50' ℄

397.4' ±

Sta. 20+32.0 End outfall Channel Beg. Outfall Structure See sheet No. 13 for outfall Structure detail.

Sta. 20+60.0 End Outfall Structure Sta. 0+00.0 Beg. 72" (HE) R.C.P.

510'

Exist. 6" gas main

Iron

S.E. cor. lot 1. Block E Rolling Hills Mesa.

15' Maintenance berm

60'

130'

Sta 17+00.0

Channel Flo

10'

Sta. 19+80 Beg. Rock Riprap.

Drainage Easement Limits.

130' Drainage Easement

15' Maintenance berm

RESERVE WICHITA AIRPORT

"B" MUNICIPAL ADDITION

Drainage Easement Limits

0.3'

4

0.3'

15' Variable 10' Variable 15'

TYPICAL SECTION

FOR OUTFALL CHANNEL

Sta. 17+000

Sta. 19+80 Begin Rock Riprap. See sheet No. 13 for Rip-rap detail.

Sta. 20+32.0 End Outfall Channel Beg. Outfall Structure See sheet No. 13 for Outfall Structure detail

Sta. 20+60.0 End Outfall Structure Sta. 0+00.0 Beg. 72" (HE) R.C.P.

125 120 115 110 105

Natural ground 100' N. of ℄ Harry St.

El. 120.70

72" (HE) R.C.P.

+0.068 %

Channel flo

+0.068 %

111.67 111.73 111.80 111.97 111.89 Flo

112.20 Flo out 72" (HE) R.C.P.

17 18 19 20

S. W. D. NO. 25	5
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Plan Scale 1"=20'
Profile Scale 1"=20' Horz.
1" = 5' Vert.

N

B. M. 128.00 "B" Cut top RCBC
S.W. cor. Harry & Airport Rd.

NOTE:
Grade ditch on South side of Harry St. to drain to bee hive cover on manholes.

Sta. 21+37.8
Const. Reinf. Conc. M. H.
See sheet No. 14 for detail

Sta. 5+00.0

Incase 50 Lin. ft. of exist 24" San. Sewer with 8" Reinf. Conc. encasement.

116.60 Flo in 15" R.C.P.

Ditch

Sta. 6+12.25
cb 125.65

℄ HARRY

ST.

Exist. 24" San. Sewer

Sec. line

8" Stub N. Flo 114.00

CAUTION:
Exist 6" H.P. gas main

Const. Std. M.H. Type "B" (5' dia.) over Exist. 24" San. Sewer. Install 8" stub northeast Elev. 114.00

Sta. 20+60.0
End Outfall Structure
Sta. 0+00.0 Begin
72" (HE) R.C.P.

45°

25.45'

Iron

4'

Sta. 21+37.79

42.55'

Sta. 0+49.7
Const. Reinf. Conc. M.H.
See sheet No. 14 for detail

NOTE:
San. Sewer and manhole by others

NOTE:
Grade area outside of outfall channel to drain to bee hive cover on manhole.

LOT 1 BLOCK E
ROLLING HILLS MESA

NOTE: S.W. Bell Telephone Co. (ø 3/4" dia) underground cable is burried along the south bank of Harry St. (2' deep). Telephone Co. will locate cable for Contractor if Contractor will give Telephone Co. a 2 day notice prior to Construction. Phone Mr. Clayton Smith 268-1102.

5+82.25

SIEGER DR.

50'

65'

R=50'±

Sta. 20+60.0
End Outfall structure
Sta. 0+00.0 Begin
72" (HE) R.C.P.

Sta. 0+49.7 Const. M.H. Conc. Reinf. sheet No. 14 See M.H. detail.

Install Beehive grate
Neenha No. R-2560-D2
or equal manhole cover
Flo in 121.0

CAUTION:
Sta. 1+87.5
Exist. 6" H.P. Gas Main
Top pipe 119.84
Bottom of pipe 117.34±

Sta. 21+20 Exist. 24" San. Sewer Encase exist. San Sewer with 8" Reinf. Conc. Encasement.

Sta. 21+37.8 Const. Reinf. Conc. M.H. See sheet No. 14 for M.H. detail.

Sta. 5+00.0

cb 125.09

Exist. ground

Flo South ditch

72" (HE) R.C.P.

72" (HE) R.C.P.

72" (HE) R.C.P.

Top of Exist. 24" San. Sewer 112.18

CAUTION: Sta. 21+24± Telephone underground cable.

125
120
115
110
105

112.20 Flo out
112.23 Flo out
112.79 Flo in
112.74
112.82
112.83
112.84 Flo
116.40 Flo in 15" R.C.P.
112.88
112.94
113.00

500 Lin ft. of 72" (HE) R.C.P. @ 0.060 % grade.
Alternate 85" x 54" C.M.P.A. (Fully paved)

0 1 2 3 4 5

Revised 4-5-76

S. W. D. NO. 25 6/20
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Install Std M.H. Type "A" (4' dia) over exist 6" V.C.P. Install 90'-8" C.M.P. northwest to manhole. Set Flo out 118.8 ±

Sta. 6+18.3
Const. Reinf. Conc. M.H
See Sheet No. 15 for M.H. detail.
Install 75.5'-48" R.C.P. North.

Drive Entrance Gate

NOTE:
Remove Ent. Pipes
Reconst. drive entrance.

Const. Std. M.H Type "A" (5' dia.) over exist. 24" R.C.P.
Intercept Exist. 24" S.W.S.
Flo in exist. 24" = 123.3 ±
Flo out 24" R.C.P. = 117.05

Sta. 8+86.5 Const. Reinf. Conc. M.H.
See Sheet No. 16 for M.H. detail.
Install 32'-24" R.C.P. South.

NOTE:
Grade ditch on south side of Harry St. to drain to Beehive cover on manholes.

NOTE:
Replace exist. curb & gutter.

NOTE:
Remove 4'x 3' (H. E) Pipe.

Sta. 11+00.0

Plug Pipe

Plug pipe

90'± 8" CMP 1.00 %

50°

Sta. 5+00.0

NOTE:
Remove Pipe and Headwall

Exist. ditch

Install Std cb Inlet Type 1
TC = 125.80
Flo out 18" = 121.80
Install 15'-18" R.C.P. Northwest
Flo in = 123.20
Install 85'-15" R.C.P. Southwest
Flo in = 123.00
See sheet No. 17 for Inlet detail

NOTE:
Remove Pipe and Headwall.

2-GW

123.27 Flo out

32'-24" RCP

50'

Exist. ditch

NOTE: Replace 24" CMP

HARRY ST.

NOTE: This 24" CMP is to Remain in place

CAUTION:
Exist. 6" H.P. Gas Main.
Elev. top 6" H.P. Gas line 123.23

NOTE: Do not Replace pipes

CAUTION:
6" H.P. Gas Main

48" R.C.P.

0.27%

Exist. 24" San. Sewer

CAUTION:
Exist. S.W. Bell Telephone Co. Underground Cable.

CAUTION:
Approx. Location Exist. 2" gas line.

Flo in 123.0

Iron

36'

15'

30'

75.5'

Iron

Plug pipe.

Flo in 123.20

Flo in 123.20

SIEGER DRIVE

60'

Install Std. cb Inlet Type 1
See Sheet No. 17 for Inlet detail
TC = 125.80
Flo out 18" R.C.P. = 121.80
Flo in 18" R.C.P. = 123.10
Install 15'-18" R.C.P. northeast

NOTE:
Grade ditches in Sieger Dr. to drain south into inlet pipes.

Install Std. M.H Type "B" (5' dia)
Install 48" Stub North.
M.H. Flo = 114.60
Install 22'-18" R.C.P. East
Flo in 18" = 131.50
Install 10'-18" R.C.P. West
Flo in 18" = 121.40

6142.3

NOTE:
See Sheet No. 20 for 8" San. Sewer Siphon Detail.

NOTE:
Use Caution in removing the 4'x3' (HE) Pipe. The Park Board wishes to salvage this pipe. Place pipe on Park Board property.

SIERRA DR.

AIRPORT ROAD

Sta. 10+72 ± Exist. 6" H.P. gas Main.

Sta. 10+28 ± Exist. 2" gas line

Exist. GP South Side

Const. Std. M.H. Type "A" (4' dia.) over exist. 6" V.C.P. Install 90'-8" C.M.P. northwest to manhole. Set Flo out 118.8 ±

Sta. 5+00.0

Sta. 6+18.3 Const. Reinf. Conc. M.H. See Sheet No. 15 for M.H. detail. Install 75.5'-48" R.C.P. North.

Sta. 8+16.0 S.S. Siphon. See Sheet No. 20 for Siphon detail

Const. Std. M.H. Type "A" (5' dia.) over exist. 24" R.C.P. Intercept exist. 24" S.W.S. Flo in 123.3 ± Flo out 24" R.C.P. = 117.05

Sta. 8+86.5 Const. Std. Reinf. Conc. M.H. See Sheet No. 16 for M.H. detail. Install 32'-24" R.C.P. South.

Sta. 11+00.0

Install Beehive grate manhole cover. Neenha No. R-2560-D2 or equal. FLO IN 120.5

Closed Sump Harry St.

Exist 24" R.C.P. Flo out

Flo Exist. ditch

Flo Exist. ditch

90'± 8" CMP @ 1.00 %

72" (HE) R.C.P.

66" R.C.P.

66" R.C.P.

Top Ext 6.S. 113.43

130
125
120
115
110

113.00 — 113.06 — 113.12 — 113.18 — 113.19 — 113.24 — 113.30 — 113.36

117.90 Flo in 8" CMP
113.07 Flo
114.40 Flo in 48" RCP

116.73 Flo in 24" R.C.P.
113.23 Flo

118.25 Lin. ft. of 72" (HE) R.C.P. @ 0.060% grade
Alternate 85"x 54" C. M. P. A. (Fully paved)

481.7 Lin. ft. of 66" R.C.P @ 0.060% grade.
Alternate 66" C.M.P. (Fully paved)

5 6 7 8 9 10 11

Revised 4-5-76

S. W. D. NO. 25 7/26 7/20
PROJECT NO. DBKD 575085

Sta. 11+74.0 Const Reinf. Conc. M.H.
See Sheet No. 16 for M.H. detail
Install 58'-48" R.C.P. Northeast.
Install 10'-48" R.C.P. Southeast.
Plug pipe Southeast.

NOTE
Remove (4' x 3') (H.E.) Pipe.
Sta. 11+00.0

10'-48" RCP @ 0.24 %

Plug Culvert

Remove the West 15 ft. ± of the 2 x 5' R.C.B.C.

40' R. to Fe. of cb

42.5' @ 0.35

Sta. 12+95.8 Const. Reinf. Conc. M.H.
See Sheet No. 16 for M.H. detail.
Install 45'-18" R.C.P. North.
Install 6'-18" R.C.P. South.

Install Std. cb Inlet Type 1
TC = 128.30
Install 8'-15" R.C.P. West
Flo in 15" = 125.10
Flo out 15" = 124.30

Install Std. cb Inlet Type 1
See Sheet No. 17 for Inlet detail
TC = 128.30
Flo out = 125.30

8" San. Sewer by others.

Post Office R/w = 45' ℄

CAUTION:
Exist. S. W. Bell Telephone Co. underground Cable.

cb + 0.2454 %

Proposed 8" Conc. Pavement

HARRY ST.

Sta. 17+00.0

NOTE:
See Sheet No. 20 For 8" San. Sewer Siphon Detail

NOTE:
Replace pavement

Exist. 64" San. Sewer

40'

45'-18" @ 1.0 %

cb + 0.2785 %

CAUTION:
Exist 6" H. P. Gas Main

Flo in 126.3

Plug Pipe.

Const. Std. M.H. Type "B" (5' dia.)
M.H. Flo = 116.63
Install 48" R.C.P. Stub Northeast
Plug pipe N.E.
Install beehive Type manhole Cover.
Top Ring = ~~1145.0~~ 1146.50

Install Std cb Inlet Type 1
TC = 128.10
Install 8'-15" R.C.P. West.
Flo out 18" = 123.60
Flo in 15" = 124.90

Install 12'-24" (HE) R.C.P. into 2'x 5' R.C.B.C. Close space betw. pipe and Culvert with brick and mortar.

12+83.8 Iron

Install Std cb Inlet type 1
See Sheet No. 17 for Inlet detail.
TC = 128.10
Flo out 15" = 125.10

AIRPORT ROAD

NOTE:
Boring and Jacking 66" Pipe will not be paid for directly and this cost shall be included in the unit price bid for the pipe.

Sta. 11+00.0
Sta. 11+48 ± 6" San. Sewer Siphon See Sheet No. 20 for detail
Sta. 11+74.0 Const. Reinf. Conc. M.H. See Sheet No. 16 for M.H. detail
Install 58'-48" R.C.P. Northeast
Install 10'-48" R.C.P. Southwest
Plug Pipe South west.
Sta. 12+95.8 Const. Reinf. Conc. M.H. See Sheet No. 16 for M.H. detail
Install 45'-18" R.C.P. North
Install 6'-18" R.C.P. South.
Sta. 15+92 ± 8" San. Sewer by others.
Sta. 17+00.0

Exist. 80. cb Harry St.
TR = 129.0
Exist. Pavement
TR = 127.9
Exist. ground
cb 129.30

Telephone underground Cable.
Bore & Jack 80 L. F. 66" Pipe
Class V R.C.P. or 8 Gauge C.M.P.
66" R.C.P.
Top Exist. 24" S.D. 115.53
Top Exist. 24" S.D. 115.13

113.36 | 113.42 | 113.54 | 113.60 | 113.66 | 113.72

116.45 Flo in 48" RCP North
113.46 Flo
114.90 Flo in 48" RCP South
123.10 Flo in 18" R.C.P. North
113.48 Flo
124.10 Flo in 18" R.C.P South.

600 Lin. ft. of 66" R.C.P @ 0.060 % grade.
Alternate 66" C. M. P. (Fully paved)

11 | 12 | 13 | 14 | 15 | 16 | 17

S. W. D. NO. 25 — 8/20
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Sta. 17+58.9 Const. Reinf. Conc. M.H.
See Sheet No. 16 for M.H. detail
Intercept exist. 36" S.W.S. from the south.
End 66" R.C.P. Beg. 48" R.C.P.

Exist. 36" R.C.P. @ 0.20 %

Post Office R/w = 45° ℄

Sta. 17+00.0

TEL.

Cb + 0.2454 %

CAUTION:
Exist. S.W. Bell Telephone Co. Underground Cable.

Sta. 19+44.9 Const. Std. M.H. Type "B" (5' dia.)
Install 75'-30" R.C.P. North.
Install 6'-15" R.C.P South.

Install Std. cb Inlet Type 1
See sheet No. No. 17 for Inlet detail.
Install 8'-15" R.C.P. West
TC = 129.89
Flo in 15" = 126.30
Flo out 15" = 125.90

Install Std. cb Inlet Type 1
TC = 129.89
Flo out 15" = 126.50

NOTE:
See sheet No. 17 for Std. cb Inlet Type 1 Detail.

Sta. 22+00.0

18'

49' BK. to BK.

℄ HARRY

Proposed 8" Conc. Pavement

Sec. line

ST.

Flo in 122[illegible]

50' R/W

Cb + 0.2785 %

Install Std. Cb Inlet Type 1
TC = 129.80
Flo out 15" = 126.80

Install Std. cb Inlet Type 1
TC = 129.80
Flo out 15" = 126.80

Cb + 0.2169 %

CAUTION:
Exist. 6" H.P. Gas line

6" G

G

75' @ 0.27 %

30" R.C.P.

107'

Install Std cb Inlet Type 1
Install 40'-15" R.C.P. Southeast
Install 10'-15" R.C.P. Northeast
TC = 130.12
Flo in 15" South = 126.60
Flo in 15" North = 128.00
Flo out 15" West = 126.10

Flo in 128.20

Install Std. M.H. Type "B" (5' dia.)
Install 5'-30" R.C.P. Stub North
Install 23'-15" R.C.P. East.
Install 10'-15" R.C.P. West
M.H. Flo = 1:92.0
Flo in 15" east = 125.70
Flo in 15" West = 125.80
Plug 30" R.C.P. Stub North.

19+08.9

YUCCA PLACE

Flo in 128.20

Install Std. cb Inlet Type 1
Install 40'-15" (R.C.P.) S.W.
Install 10'-15" (R.C.P.) N.W.
TC = 130.12
Flo in 15" South 126.60
Flo in 15" North 128.00
Flo out 15" East 126.10

240'

Exist 6" S.S.

22+08.9

Sta. 17+00.0

Sta. 17+58.9 Const. Reinf. Conc. M.H. See Sheet No. 16 Intercept exist. 36" S.W.S. from the south. End 66" R.C.P. Beg. 48" R.C.P.

Sta. 19+44.9 Const. Std. M.H. Type "B" (5' dia.) Install 75'-30" R.C.P. North. Install 6'-15" R.C.P South.

19+68.9

Sta. 22+00.0

Cb 129.30

TR = 129.0

Exist. ground

TR = 129.4

Cb 130.53

130
125
120
115
110

Top Exist. 24" S.W.S. 1.8..3

66" R.C.P.

48" R.C.P.

48" R.C.P.

113.72

113.76 Flo out

115.26 Flo in
123.60 Flo in
Exist. 36" S.W.S.

115.31

115.46

119.00 Flo in 30" R.C.P. North
115.70 Flo in 15" R.C.P. South

115.60

115.74

115.88

58.9 Lin. ft. 66" R.C.P @ 0.060% grade.
Alternate 66" C.M.P. (Fully Paved)

441.1 Lin. ft. of 48" R. C. P. @ 0.14 % grade.
Alternate 48" C. M. P. (Fully Paved)

17 18 19 20 21 22

S. W. D. NO. 25 7/20 9/20
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NOTE:
See sheet No. 17 for Std. Cb. Inlet Type I detail.

Install Std. cb Inlet Type I
See sheet No. 17 for Inlet detail
TC = 130.84
Flo in Exist 30" R.C.P. = 125.23
Flo out 36" RCP = 124.73

Exist. 30" R.C.P. @ 0.20 %

Install Std. M.H. Type "B" (4' dia.)
Install 24" Stub South (Plug stub)
Install 30'-15" R.C.P. West
Install 18'-15" R.C.P. East.
Flo out 24" = 121.59

Sta. 24+22.9 Const. Std. M.H. Type "B" (5' dia.)
Install 75'-48" R.C.P. North

Post office
R/W = 45' ℄

Sta. 23+28.9 Const. Std. M.H Type "B" (5' dia.)
Install 6'-36" R.C.P. South.

CAUTION:
Underground Telephone cable.

CAUTION:
Exist. Underground Telephone Cable.

Sta. 22+00.0

Sta. 27+00.0

Cb ℄ 0.2454 %

TEL

TC = 131.09

Rim 132.43
Flo 118.05

HARRY

Bk.-Bk.

49'

50' R/W

18'

Proposed 8" Conc. Pavement

ST.

Sec. line

45'

Exist. asphalt pavement

55'

Exist. 24" C.S.P. Sewer

Install Std. Cb Inlet Type I
TC = 130.70
Flo out 15" = 127.70

Cb ℄ 0.2169 %

Cb ℄ 0.2800 %

CAUTION:
Exist. 6" H.P. Gas main

75'-48" RCP @ 0.37 %

57.5'

6"

G

20'

30'

6'

170'

Install Std. Cb. Inlet Type I
Install 48'-15" RCP Southeast
Install 10'-15" RCP Northeast
TC = 130.90
Flo in 15" SE = 127.40
Flo in 15" NE = 127.90
Flo out 15" West = 126.90

Const. Std M.H. Type "B" (5' dia.)
Install 5'-48" RCP Stub North.
Plug 48" RCP Stub North
Install 26'-15" RCP West.
Install 15'-15" RCP East.
M.H. Flo = 121.68
Flo in 15" West = 126.80
Flo in 15" East = 126.75

Flo in 128.2

Install Std. Cb Inlet Type I
See sheet No. 17 for Inlet detail
TC = 130.90
Flo out 15" = 127.90

Install Std. cb Inlet Type I
Install 48'-15" RCP Southwest
Install 10'-15" RCP North
TC = 131.10
Flo in 15" Southwest = 127.70
Flo in 15" North = 127.90
Flo out 15" East = 127.10

50' R/W

RIDGE ROAD

30' R/W

24+28.9

Flo in 128.40

Flo in 128.40

Flo in 129.40

Flo in 126.50

Flo in 126.50

35'

7.5' ditch

ditch

65'

130°

120°

22108.9

23+78.9

24+58.9

Sta. 23+99 Exist. Underground Telephone Cable.

Sta. 24+22.9 Const. Std. M.H. Type "B" (5' dia.) Install 75'-48" RCP North

Sta. 24+57 Underground Telephone Cable.

Sta. 23+28.9 Const. Std. M.H. Type "B" (5' dia.) Install 6'-36" RCP South

Sta. 22+00.0

Sta. 27+00.0

Cb 130.53

Cb 131.75

Exist. ground

TR = 130.4

TR = 130.5

Top exist. 24" C.S. 123.31

48" R.C.P.

48" R.C.P.

48" R.C.P.

135
130
125
120
115

115.08
116.02
116.04 Flo in 48" RCP South
116.16
121.40 Flo in 48" RCP North
116.19 Flo in 24" RCP South
121.40 Flo in 24" RCP South
116.30
116.44
116.58

500 Lin. ft. of 48" R. C. P. @ 0.14 % grade.
Alternate 48" C.M.P. (Fully paved)

22 23 24 25 26 27

Revised May 24, 1976

S. W. D. NO. 25 10/20
PROJECT NO. DBKD575085 10/20

Sta. 28+75.3 Const. Std. M. H. Type "B" (5' dia.) Install 60'-30" RCP North Install 6'-15" RCP South

Install Std. Cb Inlet Type I See sheet No. 17 for inlet detail T.C. = 132.17 Flo out 15" = 128.10

CAUTION: Exist. S. W. Bell Telephone Underground Conduit.

Sta. 27+00.0

Cb +0.24% 7%

TEL.

TEL

TC 133.20

Sta. 32+00.0

18'

HARRY

60'-30" RCP @ 0.36 %

ROAD

RELOCATED

ST.

18'

Proposed Ramp by others

NOTE: Install temporary Pipe plug.

Cb +0.25% 7%

Elev. 128.46 P.O. 125.37

TC 133.20

Exist. 24" cum. sewer

6"

G

6"

G

Flo in ~~126.82~~ 126.22

45° ℄

133°

CAUTION: Exist. 6" H. P. Gas main

Install Std. Cb Inlet Type I See sheet No. 17 for inlet detail T.C. = 132.02 Flo 30" RCP = 126.75

281+70.3

Proposed Ramp by others

℄ RIDGE

Proposed Elevated Roadway by others.

30+76.3

Proposed Ramp by others

N

32+00.0

Sta. 27+00.0

Sta. 28+75.3 Const. Std. M.H. Type "B" (5' dia.) Install 60'-30" R.C.P. North Install 6'-15" R.C.P. South

Sta. 29+45 ± 129.95 Top 6" Gas line

Sta. 31+25 ± 120.71 Top 6" Gas line

Sta. 32+00.0

Cb 131.75

TR = 131.7

Cb 132.98

135

130

125

120

115

110

Flo in 126.22

48" R. C. P.

48" R. C. P.

116.58

116.72

125.00 ~~124.50~~ Flo in 30" RCP North 114.83 Flo —

127.90 Flo in 15" RCP South

116.86

117.00

117.14

117.28

500 Lin. ft. of 48" R.C.P. @ 0.14 % grade

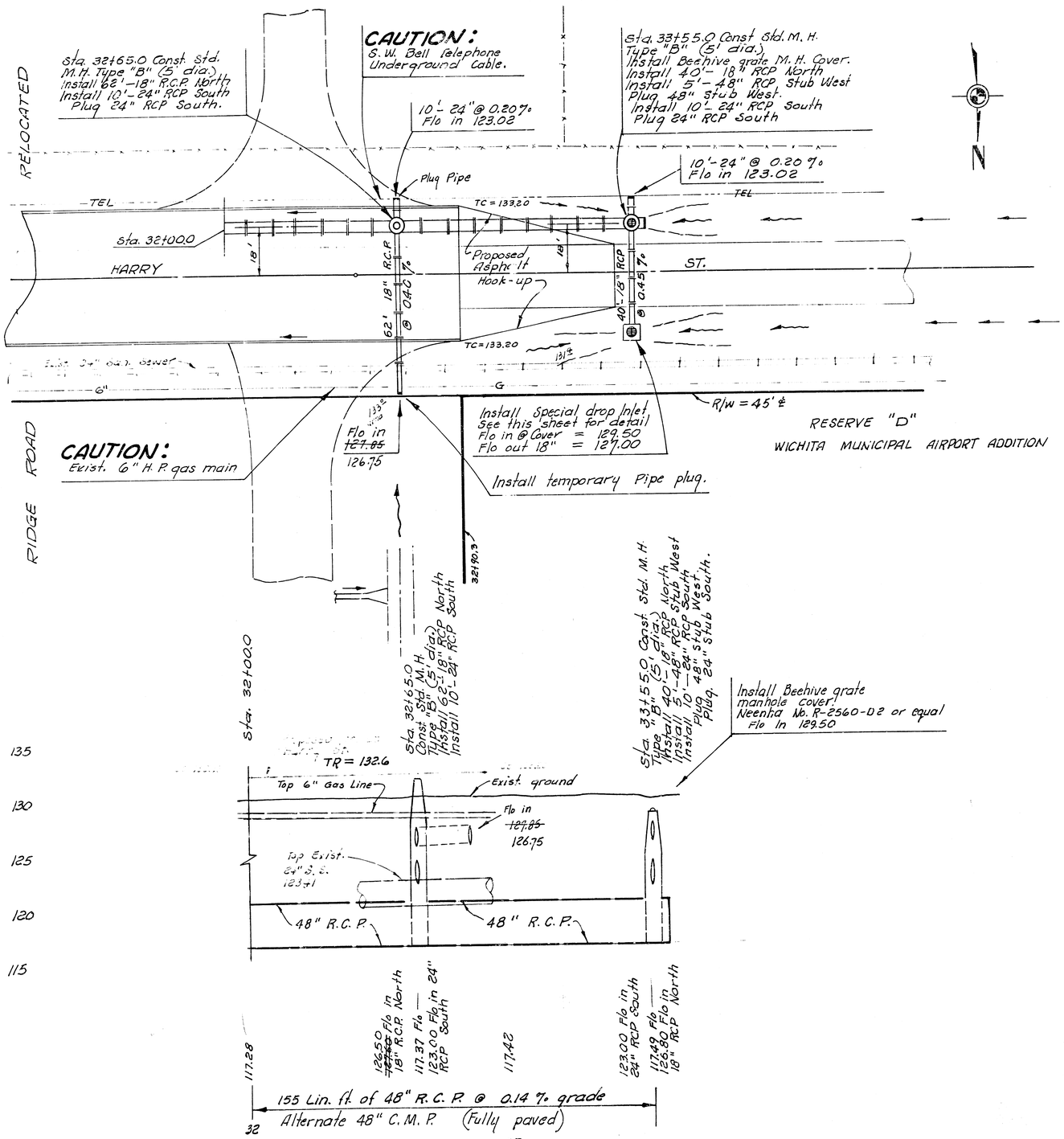
Alternate 48" C.M.P. (Fully paved)

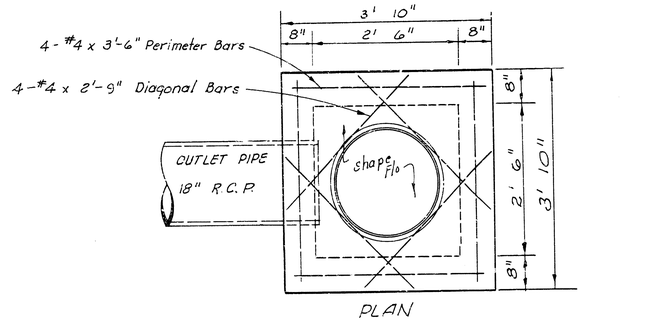
Revised 3-1-76

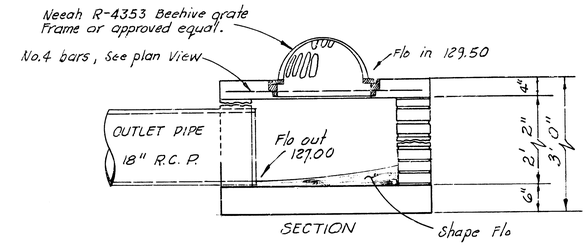
27 28 29 30 31 32

S. W. D. NO. 25 11/20 | 11/20

PROJECT NO. DBKD575085





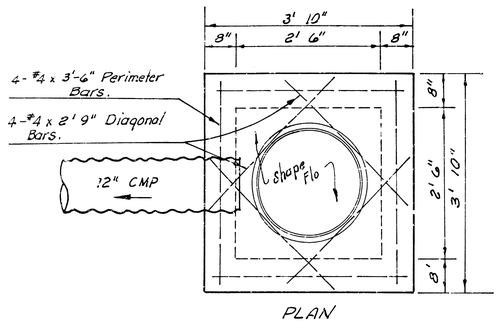


SPECIAL DROP INLET
Sta. 33+55.0

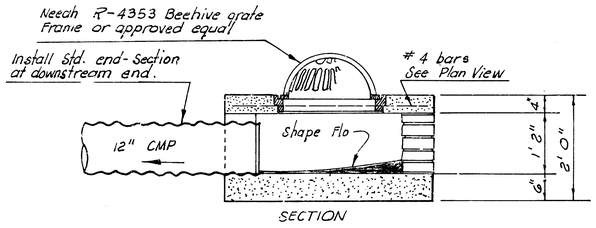
Revised 3-1-76

S. W. D. NC. 25	12/20
PROJECT NO. DBKD 575085	12/20

14-7-2-2
14-7-3-5



PLAN

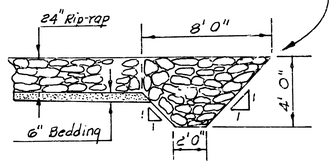


SECTION

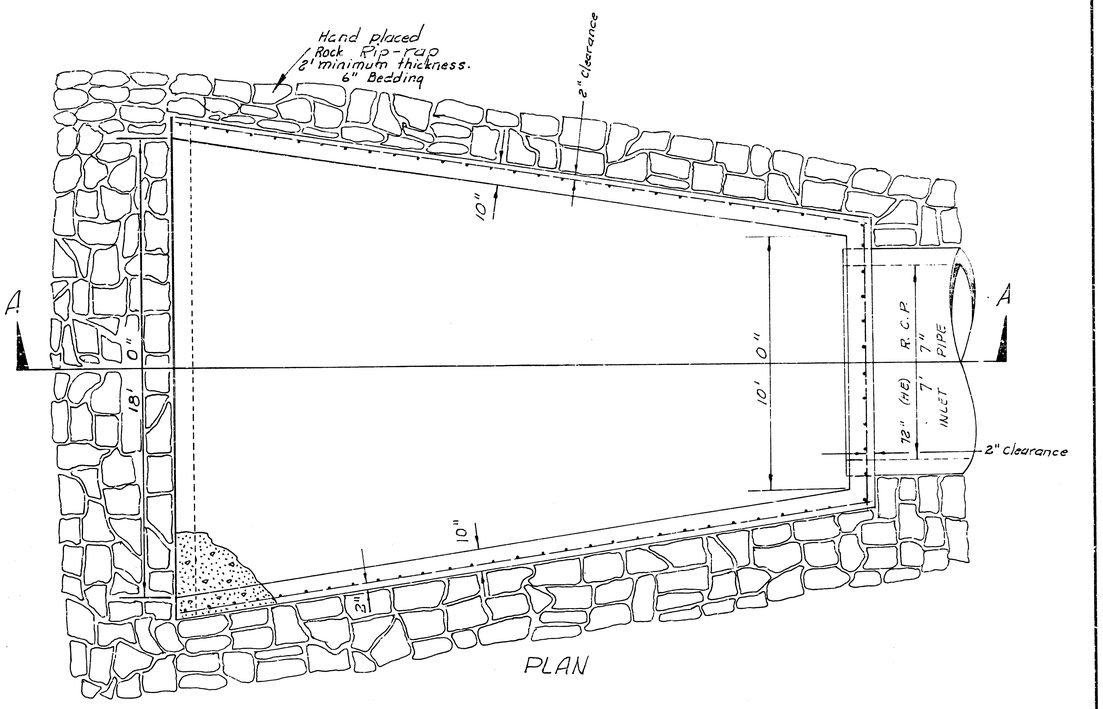
SPECIAL DROP INLET
NOT TO SCALE
Sta. 0+95 and Sta. 6+70
along Outfall Channel

Sheet No. 2 of 3

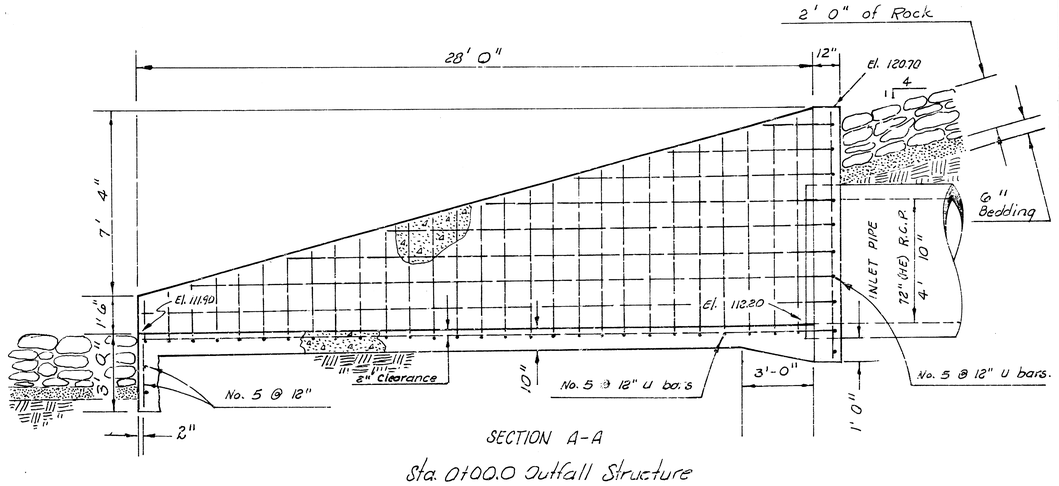
Rock Toe to be constructed on upstream and downstream ends of Riprap. Rock toe will not be paid for directly and shall be considered as subsidiary to the price bid per sq. yd. of Rock Riprap.



RIP-RAP DETAIL



PLAN

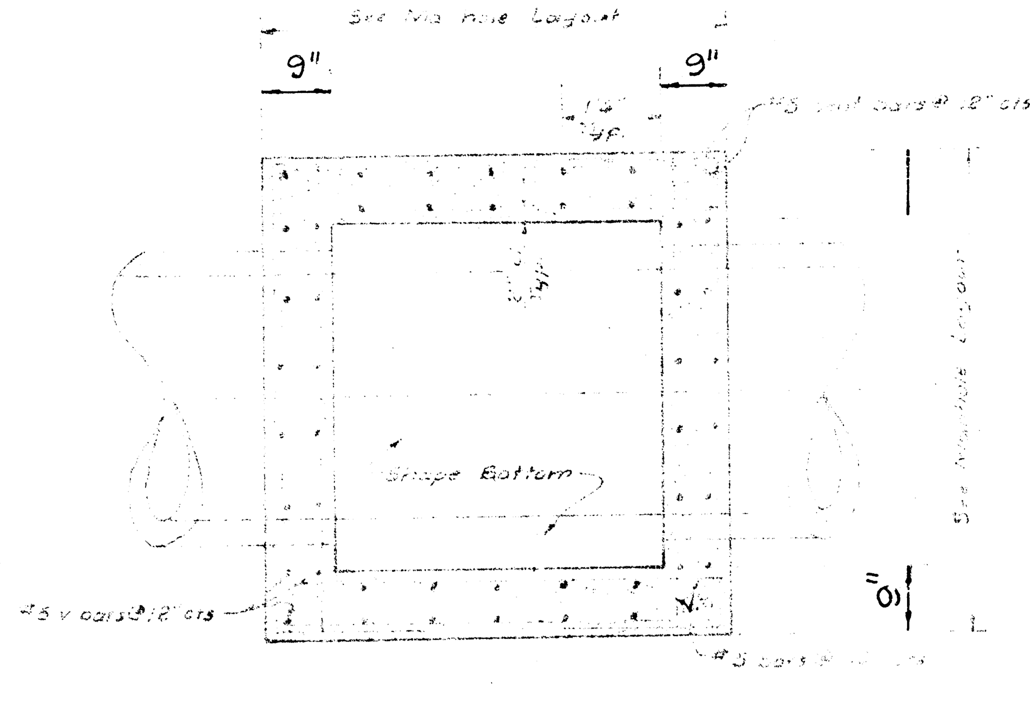


SECTION A-A

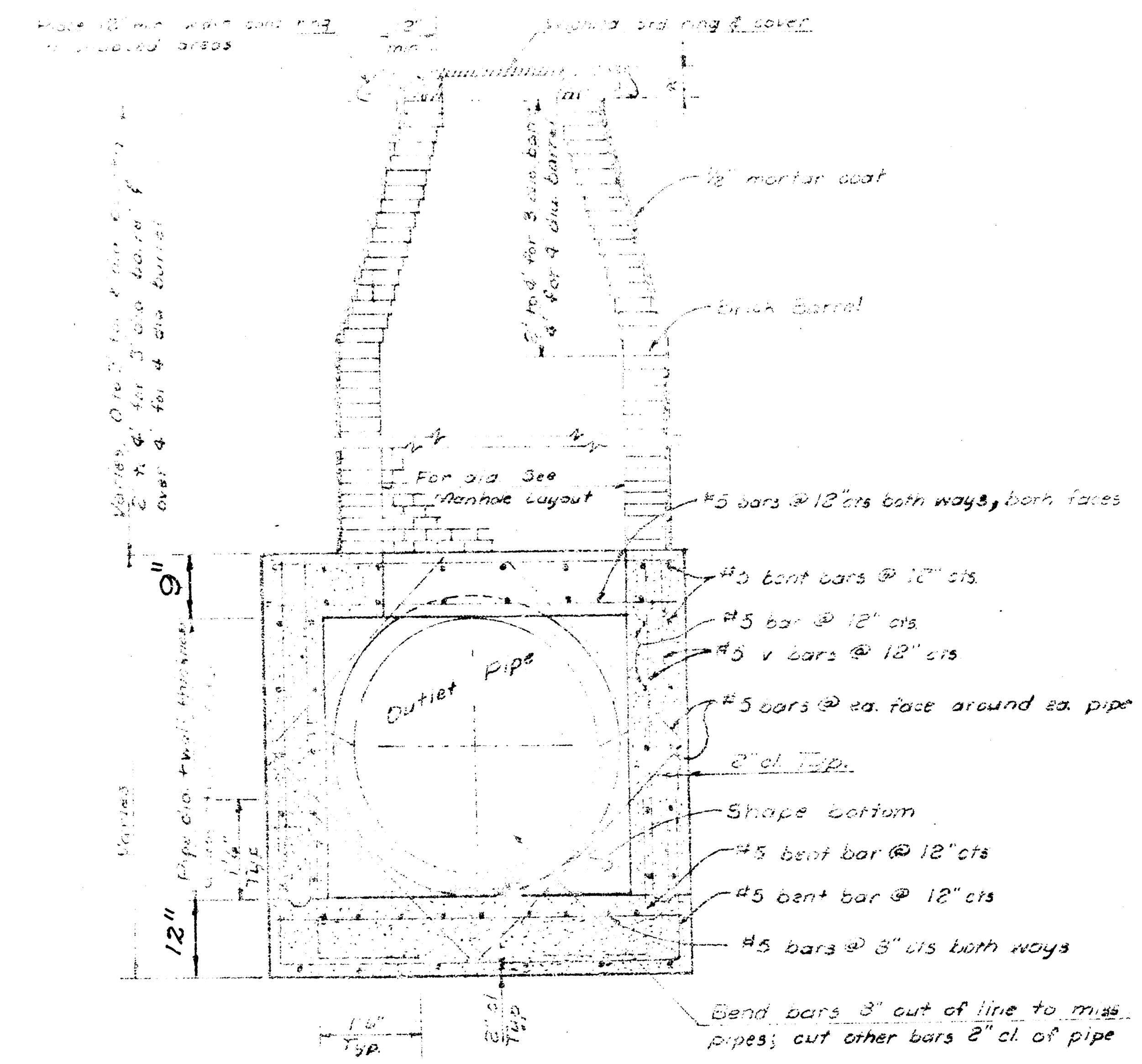
Sta. 0+00.0 Outfall Structure
Sta. 20+60.0 Outfall Channel

Scale 1" = 3/8"

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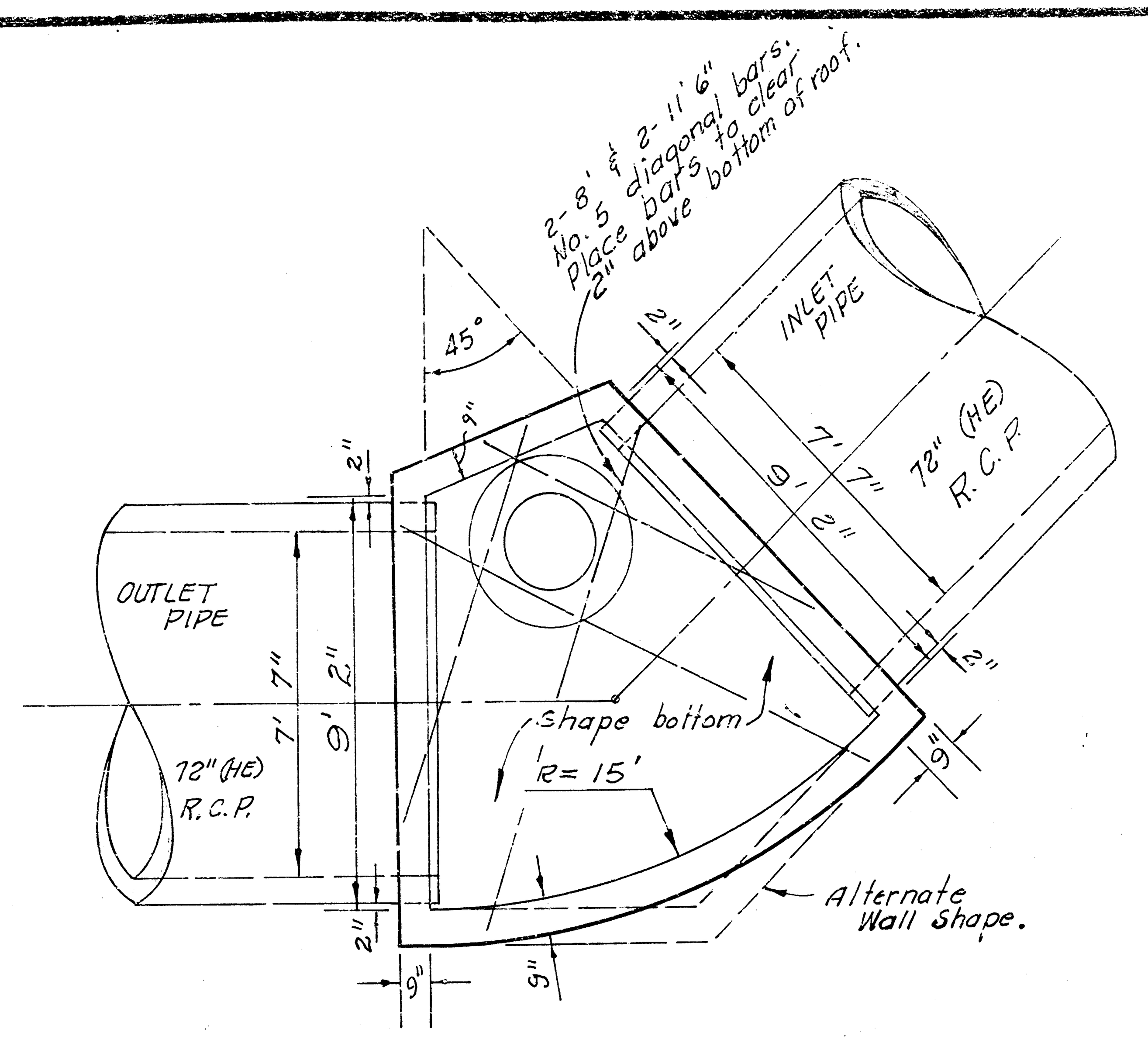


PLAN SECTION THRU WALLS
SCALE ½" = 1'0"

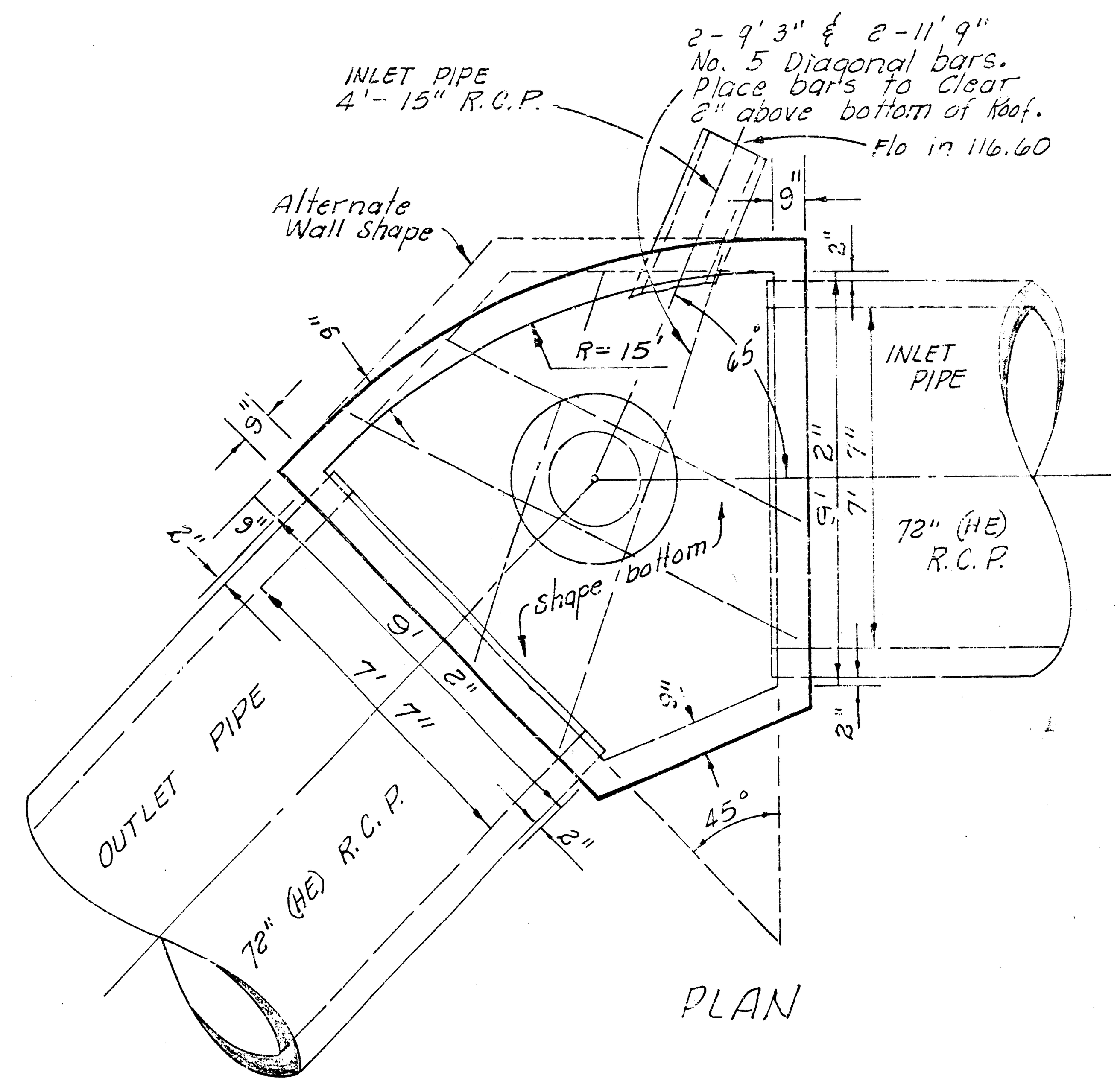


TYPICAL ELEVATION SECTION
SCALE: ½" = 1'0"

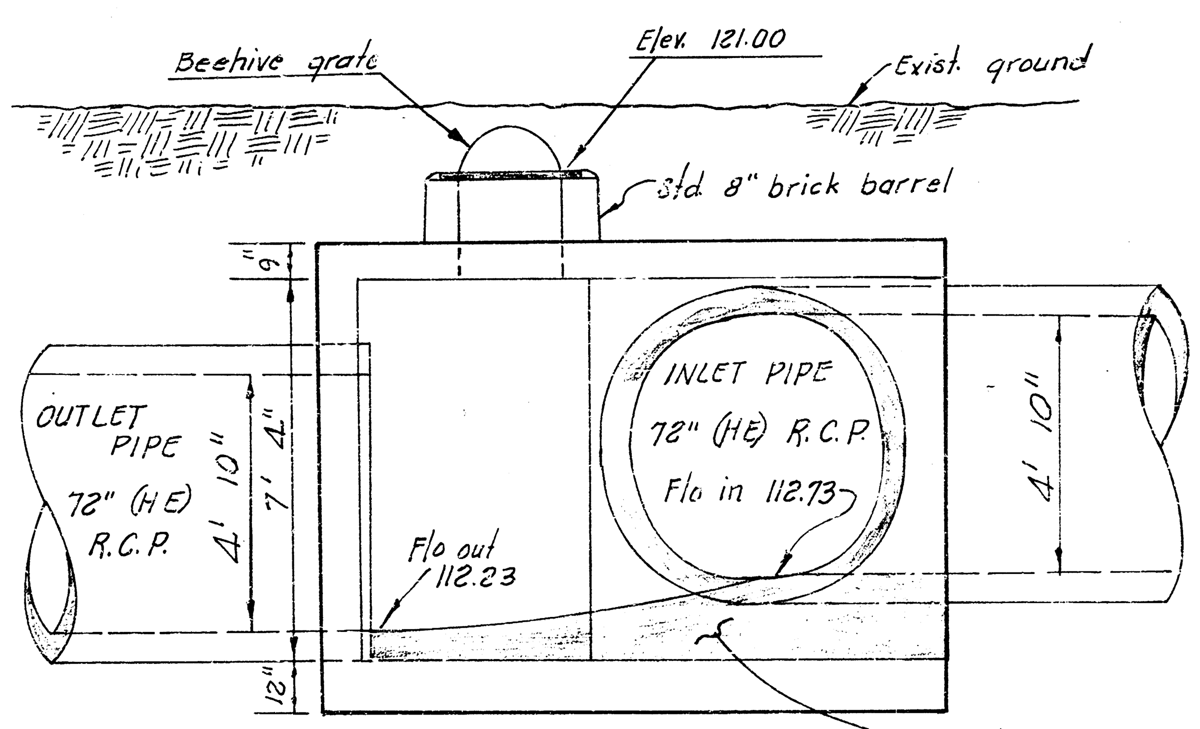
S. D. REINF. CONC. MANHOLE DETAILS



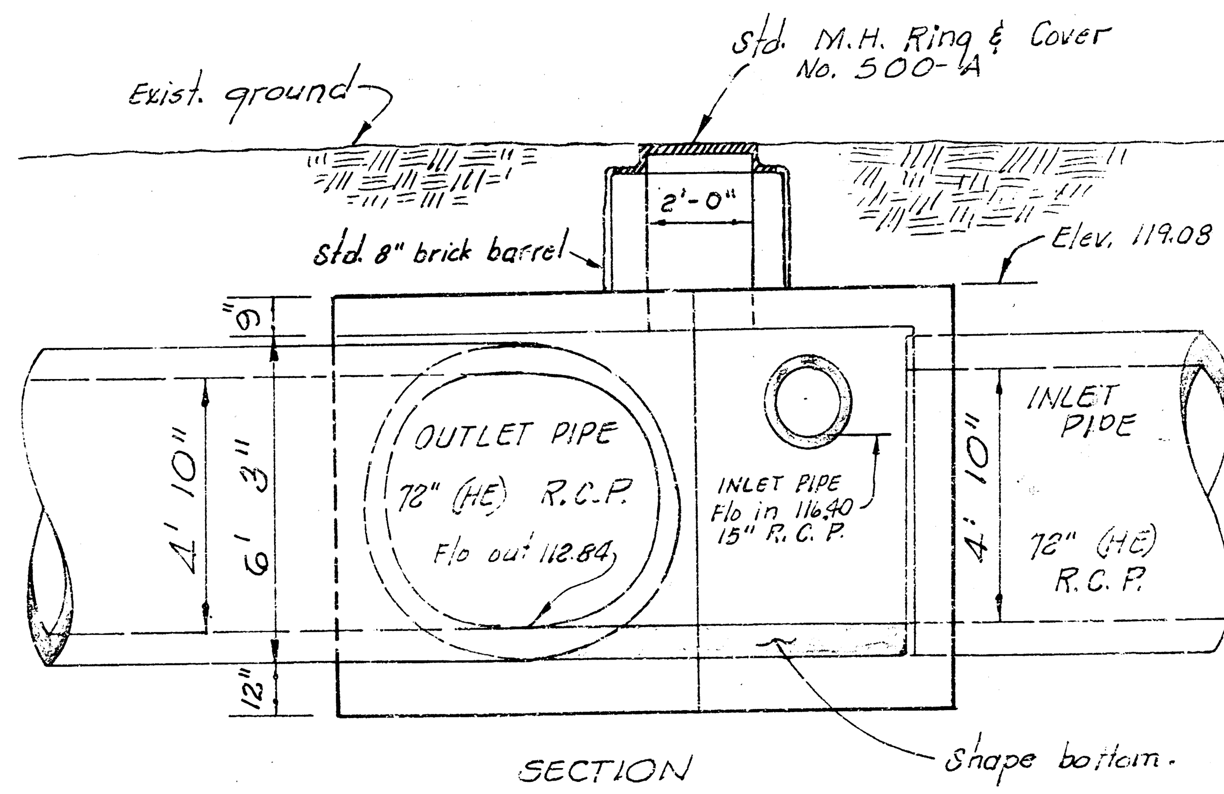
PLAN



PLAN



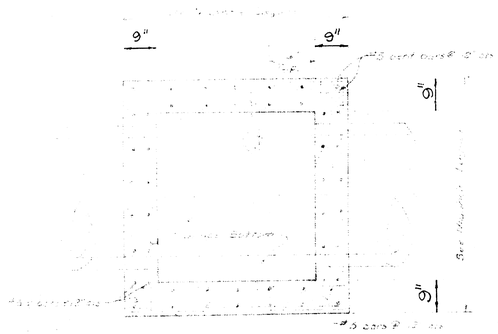
SECTION
REINF. CONC. MANHOLE
Sta 0+49.7
Sheet No. 6
Scale 3/8" = 1'0"

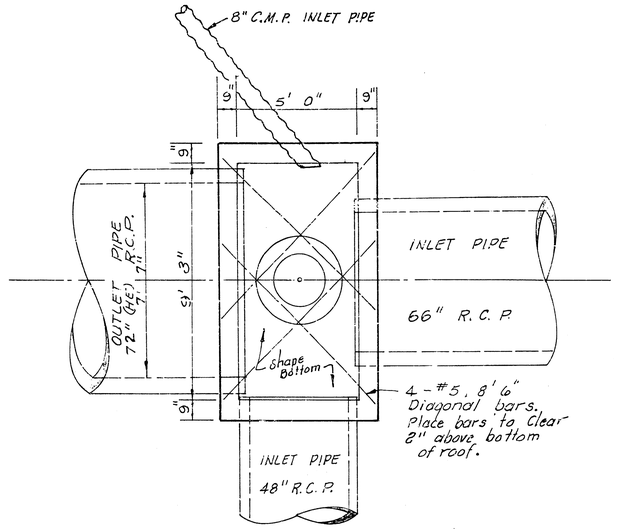


SECTION
REINF. CONC. MANHOLE
Sta. 2+37.8
Sheet No. 6
Scale 3/8" = 1'0"

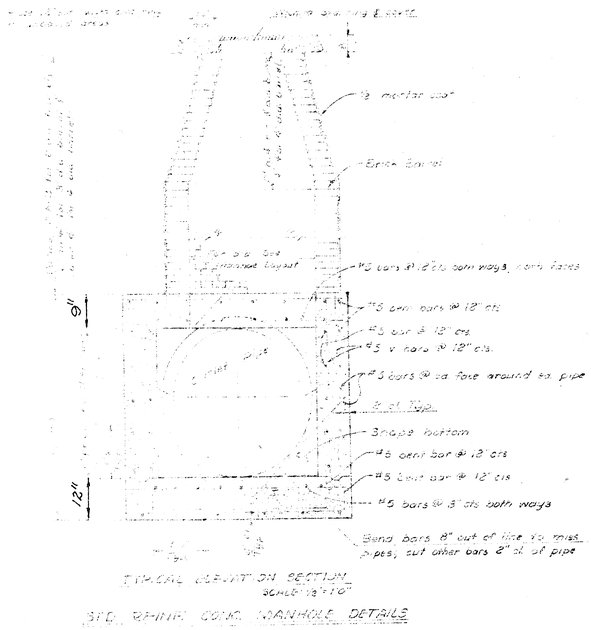
Revised 4-5-76

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PROJECT NO DDKD575085	



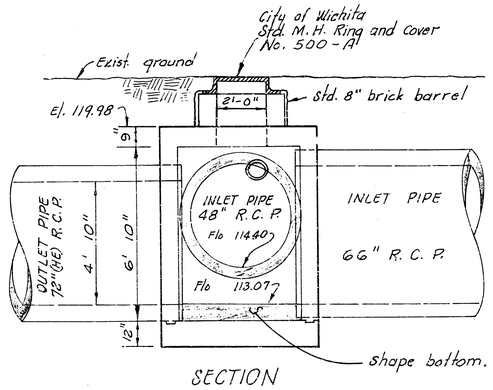


PLAN



TYPICAL CLEANOUT SECTION
SCALE: 3/4" = 1'0"

STD. REINF. CONC. MANHOLE DETAILS



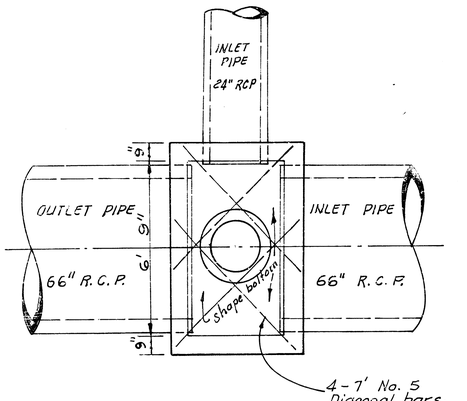
SECTION

REINF. CONC. MANHOLE

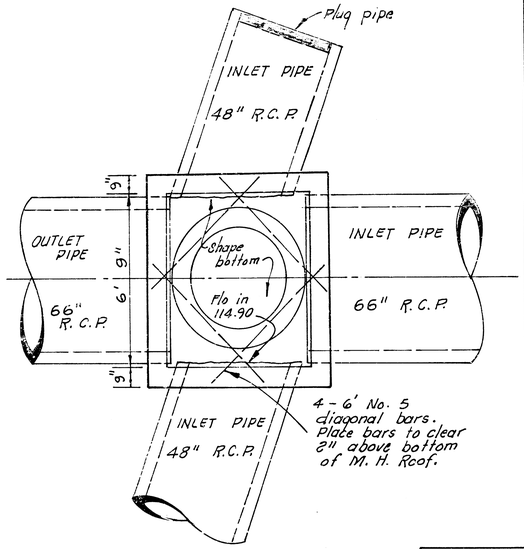
Sta. 6+18.3
Sheet No. 7
Scale 3/8" = 1'0"

Revised April 5, 1976

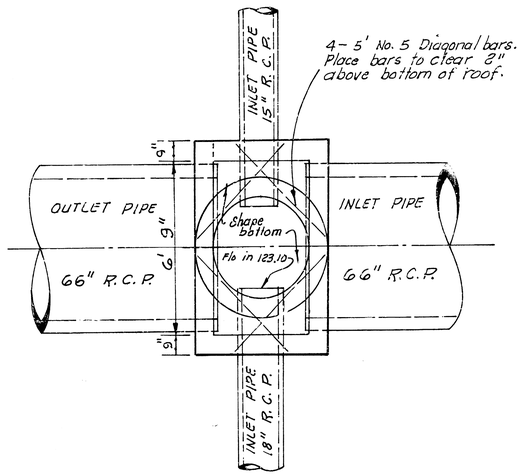
S. W. D. NO. 25	15/20
PROJECT NO. DBKD 575085	



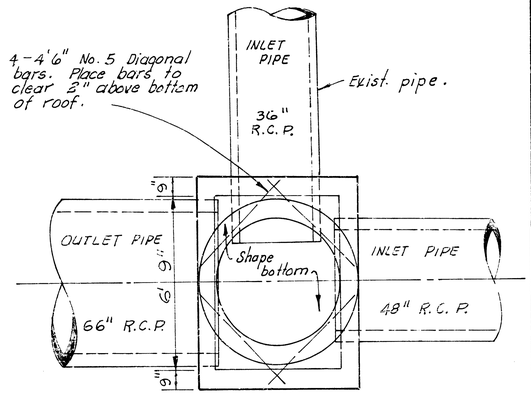
PLAN



PLAN



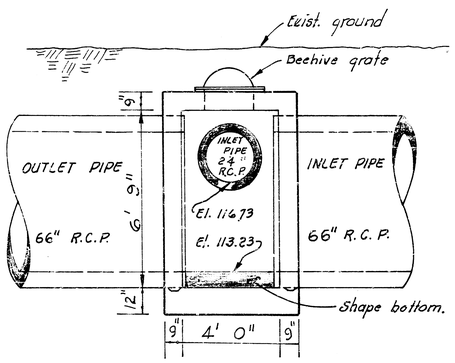
PLAN



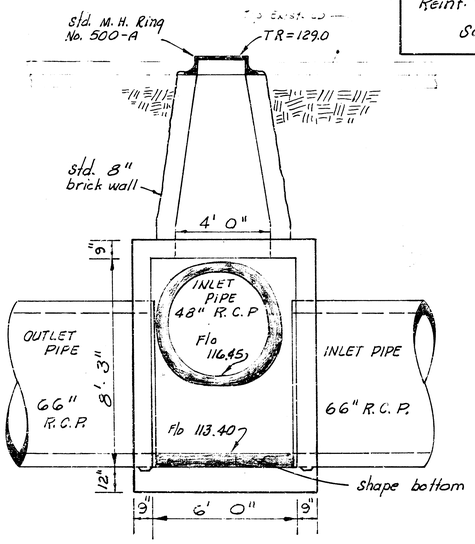
PLAN

NOTE:
See sheet No. 15 for Steel pattern for Typical Reinf. Conc. Manhole.

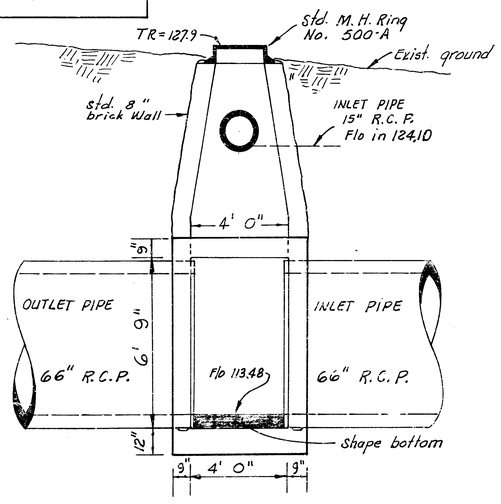
Scale 3/8" = 1' 0"



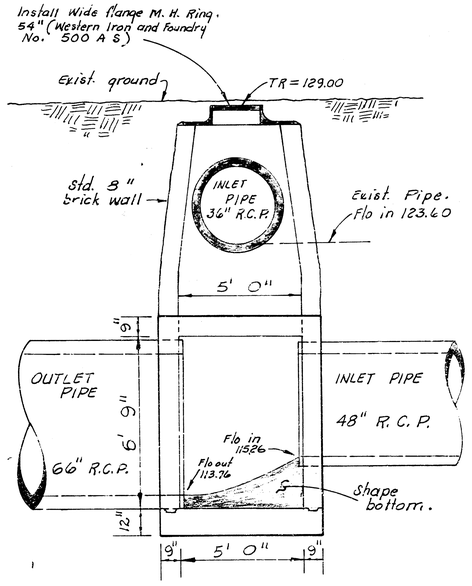
SECTION
REINF. CONC. MANHOLE
Sta. 8186.5
Sheet No. 7



SECTION
REINF. CONC. MANHOLE
Sta. 11+74.0
Sheet No. 8



SECTION
REINF. CONC. MANHOLE
Sta. 12+95.8
Sheet No. 8



SECTION
REINF. CONC. MANHOLE
Sta. 17+58.9
Sheet No. 9

S. W. D. NO. 25 116/20
PROJECT NO. DBKD 5750 85

16/20

STANDARD CURB INLET-TYPE I
DETAIL

CITY OF WICHITA, KANSAS
R. W. LINN-CITY ENGINEER
FEBRUARY, 1952

THIS TYPE INLET TO BE USED WHEN PAVEMENT IS ASPHALT PAVEMENT WITH CONCRETE BASE AND/OR WHEN PAVEMENTS HAVE FULL HEIGHT STANDARD CURBS

BRICK FOR INLET CONSTRUCTION SHALL CONFORM WITH THE LATEST REVISION OF THE AMERICAN SOCIETY FOR TESTING AND MATERIALS DESIGNATION C32 FOR MANHOLE BRICK GRADE MS

SECTION C-C
SCALE: 1"=1'0"

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

SECTION A-A
SCALE: 1"=1'0"

PLAN
SCALE: 1"=1'0"

NOTE: A #5 BAR TO BE PLACED APPROXIMATELY S_1 BELOW TOP OF INLET COVER

BAR	d_1	d_2	d_3	d_4 $W=2'10\frac{1}{2}"$	d_4 $W=4'10\frac{1}{2}"$	d_5	d_7	d_8	Lgth.
SIZE	#4	#4	#4	#4	#4	#4	#4	#4	
NUMBER	4	4	5	1	2	2	1	1	
LENGTH W=2'10½"	8'6"	6'6"	2'7½"	—	—	2'2"	1'1½"	2'6"	4'0½"	16
LENGTH W=4'10½"	8'6"	7'8"	4'7½"	—	2'2"	—	1'1½"	2'6"	4'0½"	22
LENGTH W=6'10½"	8'6"	9'2"	6'7½"	2'2"	—	—	1'1½"	2'6"	4'0½"	28

OPENING WITH SMOOTH CURVES
SHAPE CURB AND/OR GUTTER AT INLET

REINF. STEEL TO BE PLACED ON e_4 CTRS.

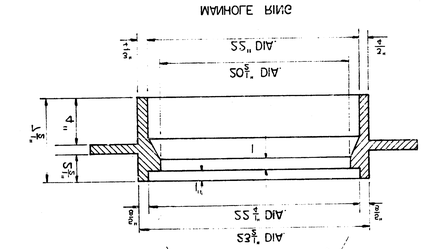
FLOOR SHALL BE 6 SACK RAKING MIX OR PRECAST CONCRETE FOR INLET TOPS AND WALLS. CONCRETE TOPS MAY BE CAST IN PLACE CRADLED TO INSURE FULL SUPPORT ALONG BACK CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR BED

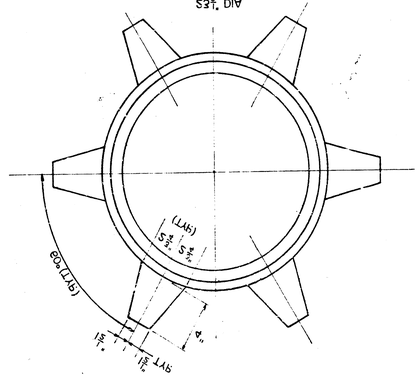
STD. CURB INLET CONCRETE TOP

W	SIZE	PIPE SIZE	CU.YD. CONC.
3'10½"	3'5½" x 2'8½" x 1'1"	54" & SMALLER	0.95
4'10½"	4'5½" x 2'8½" x 1'1"	60" & 66"	0.99
5'10½"	5'5½" x 2'8½" x 1'1"	72" & 78"	1.03

CROSS ROLLING

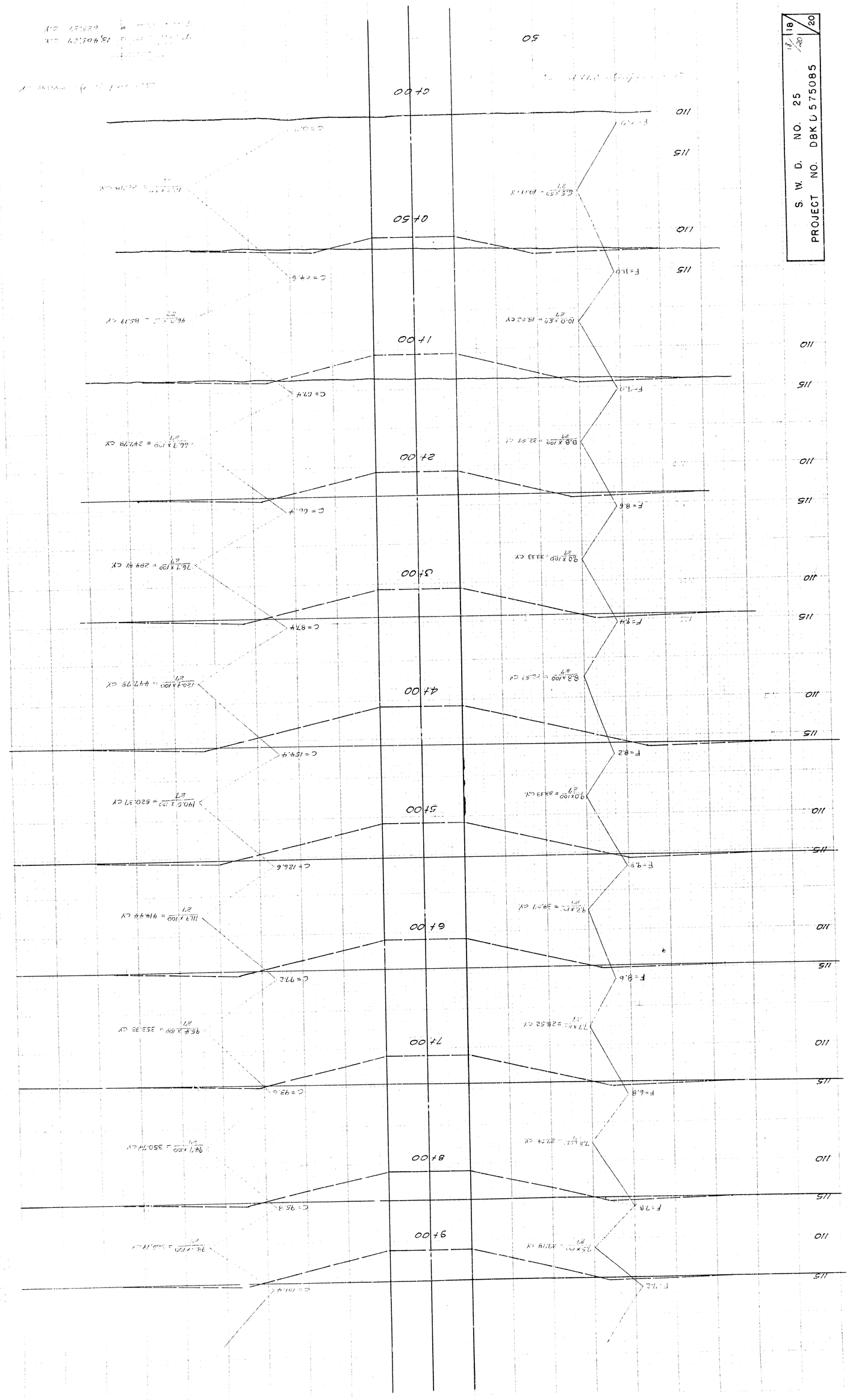
MANHOLE RING
SEE SEWER APPURTENANCES DETAIL SHEET FOR MANHOLE COVER

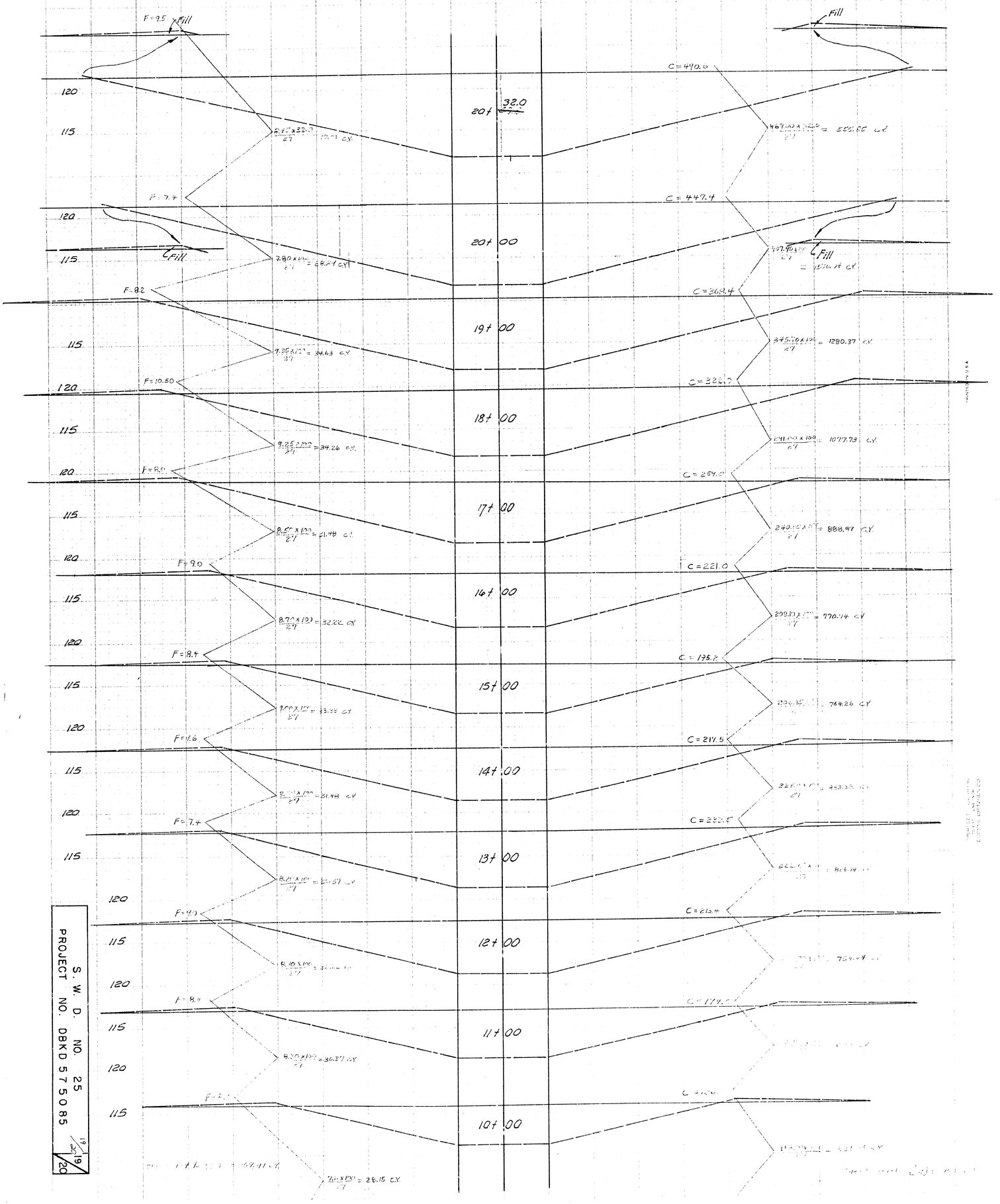




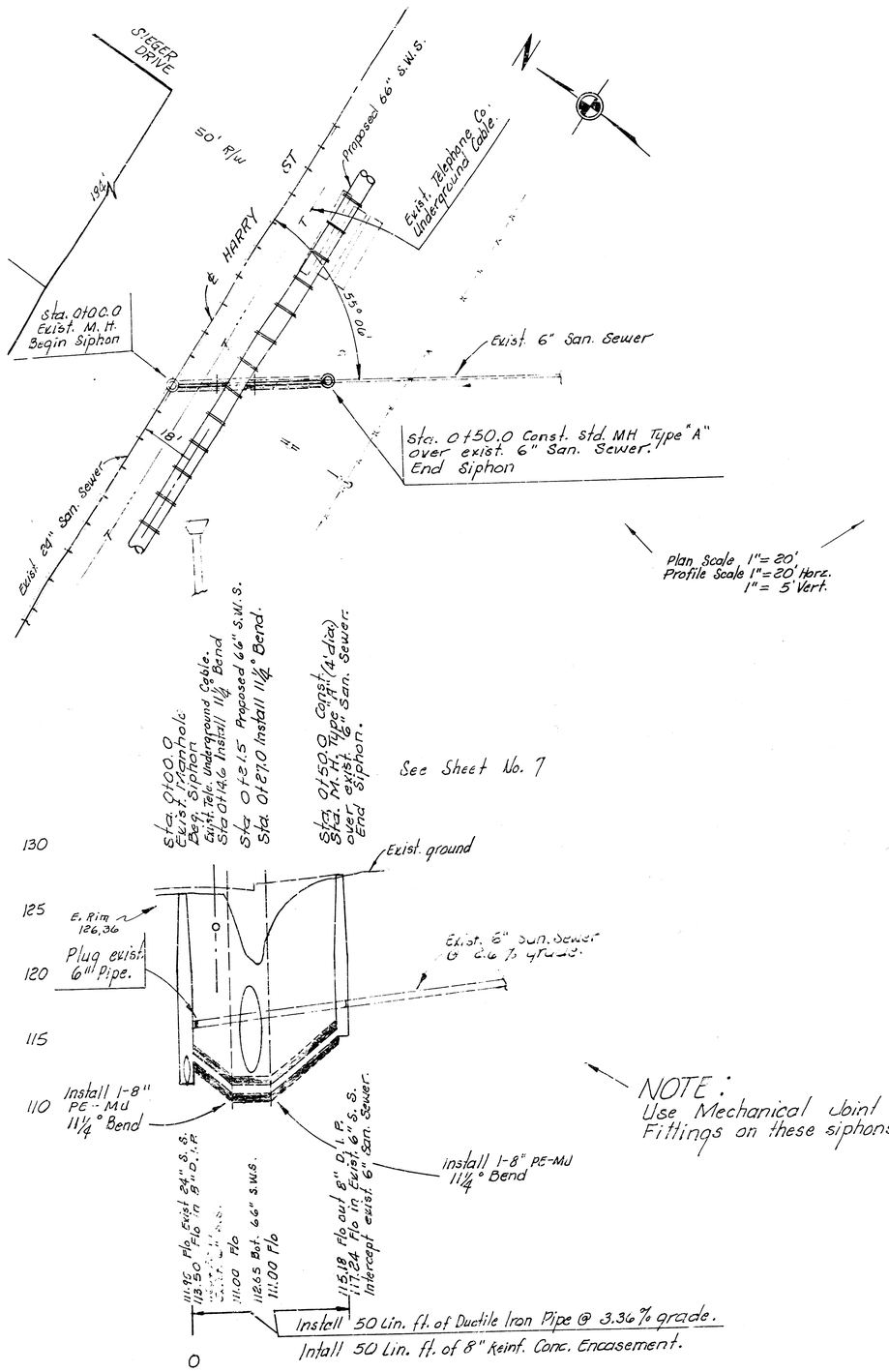
S. W. D. NO. 25
PROJECT NO. DBK D 575085

18/20





S. W. D. NO. 25
PROJECT NO. DBKD 5750 85
19
Oct
19
20



NOTE:
Use Mechanical Joint Fittings on these siphons.

S. W. D. NO. 25	20/120 20/20
PROJECT NO. DBKD 575085	