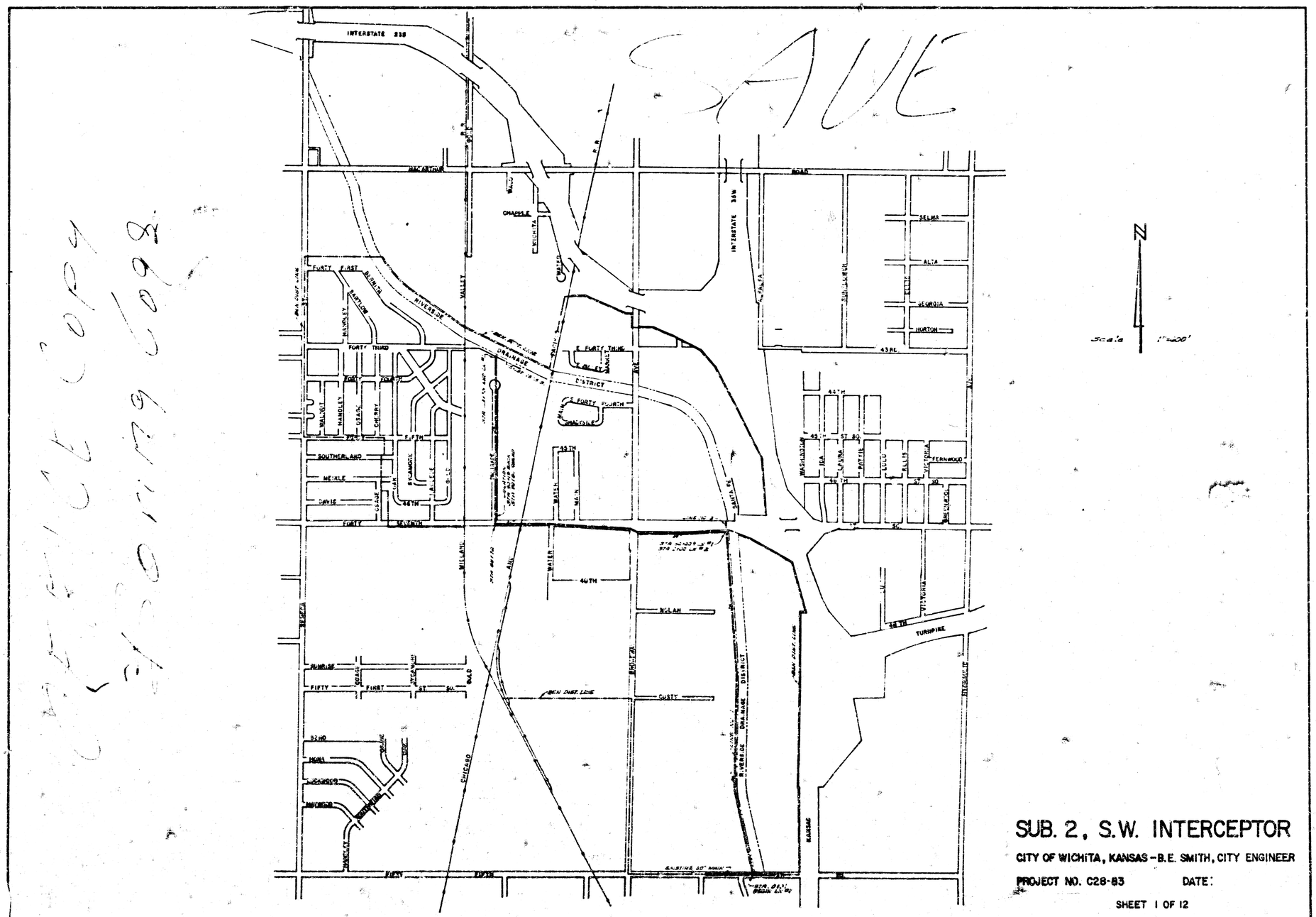
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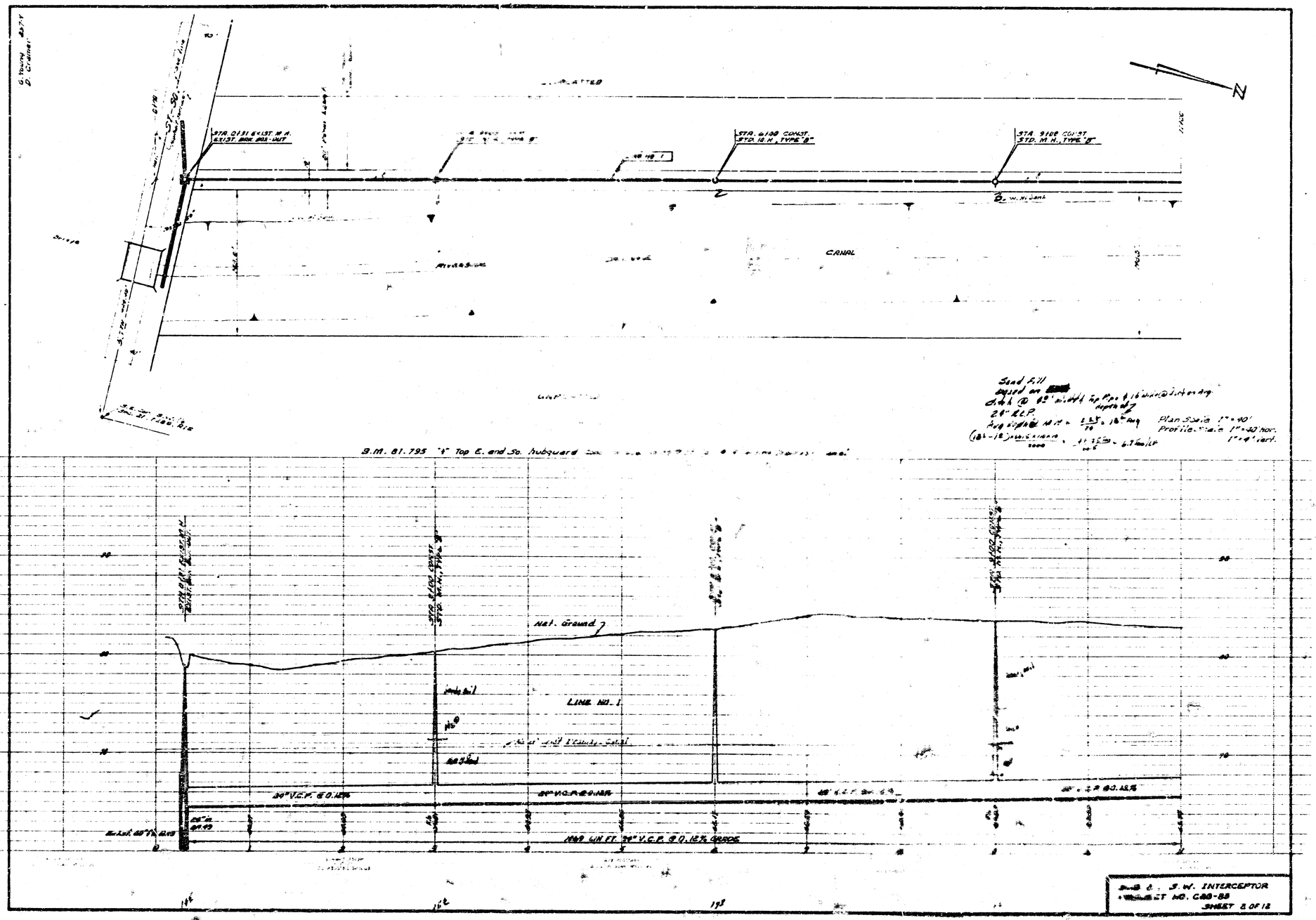


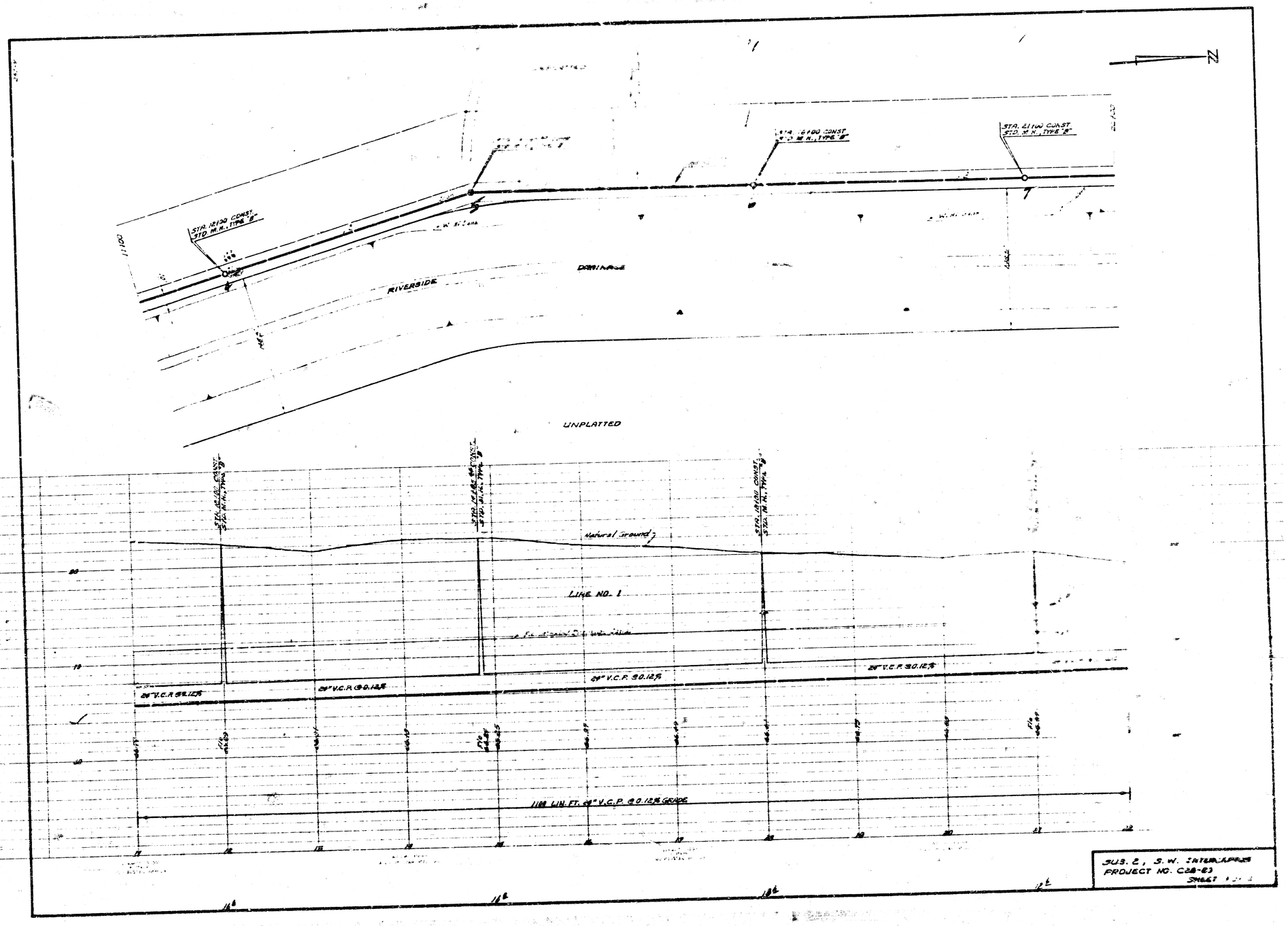

# SUB. 2, S.W. INTERCEPTOR

CITY OF WICHITA, KANSAS – B.E. SMITH, CITY ENGINEER

PROJECT NO. C28-83 DATE:

SHEET 1 OF 12


STA. 0+31.6 EXIST. M.H. EXIST. BRK. MH-WET
STA. 4+08 CONST. STD. M.H., TYPE "B"
STA. 9+08 CONST. STD. M.H., TYPE "B"
CANAL
Sand Fill
Dia. @ 0.2' slope
20" R.C.P.
Plan Scale 1"=40'
Profile Scale 1"=40 hor.
1"=4' vert.
B.M. 81.795 "X" Top E. and So. hubguard
Nat. Ground
LINE NO. 1
34" V.C.P. @ 0.12%
1149 LIN FT. 34" V.C.P. @ 0.12% GRADE
S.W. INTERCEPTOR
SHEET 2 OF 12


N
STA. 12130 CONST. STD. M.H. TYPE 'B'
STA. 16100 CONST. STD. M.H. TYPE 'B'
STA. 21100 CONST. STD. M.H. TYPE 'B'
RIVERSIDE
DRAINAGE
UNPLATTED
LINE NO. 1
(Natural Ground)
24" V.C.P. @ 0.12%
1188 LIN. FT. 24" V.C.P. @ 0.12% GRADE
SUB. 2, S.W. INTERCEPTOR
PROJECT NO. C28-63

UNPLATTED

UNPLATTED

STA. 34100 CONST. STD. M.H., TYPE "B"

STA. 34194 CONST. STD. M.H., TYPE "B"

LINE NO. 1

STA. 29100 CONST. STD. M.H., TYPE "B"

STM. 31135.44 CONST. STD. M.H., TYPE "B"

N

RIVERSIDE DRAINAGE CHANNEL

UNPLATTED

UNPLATTED

Nat. Ground

LINE NO. 1

24" V.C.P. @ 0.12%

24" V.C.P. @ 0.12%

24" V.C.P. @ 0.12%

24" V.C.P. @ 0.12%

24" V.C.P. @ 0.12%

1100 LIN. FT. 24" V.C.P. @ 0.12% GRADE

SUB. 2, S.W. INTERCEPTOR
PROJECT NO. C28-88
SHEET 4 OF 12

UNPLATTED

UNPLATTED

N

STA. 34+85 CONST.
S.D. M.H., TYPE 'B'

STA. 37+00 CONST.
STD. M.H., TYPE 'B'

LINE NO. 1

STA. 90+12 CONST.
STD. M.H., TYPE 'B'

STA. 73+00 CONST.
STD. M.H., TYPE 'B'

RIVERSIDE DRAINAGE CANAL

UNPLATTED

UNPLATTED

STA. 34+85 CONST.
STD. M.H., TYPE 'B'

STA. 37+00 CONST.
STD. M.H., TYPE 'B'

STA. 90+12 CONST.
STD. M.H., TYPE 'B'

STA. 73+00 CONST.
STD. M.H., TYPE 'B'

Natural Ground

LINE NO. 1

24" V.C.P. @ 0.12%

24" V.C.P. @ 0.12%

24" H.C.P. @ 0.12%

24" V.C.P. @ 0.12%

24" V.C.P. @ 0.12%

1180 LIN. FT. 24" V.C.P. @ 0.12% GRADE

SUB. 2, S. W. INTERCEPTOR
PROJECT NO. C28-83
SHEET 3 OF 12

B.M. 83.35 "D" on S.E. Cor. So. Headwall R.C.B.C. on
47th St. So. & Riverside Drainage Canal

UNPLATTED

UNPLATTED

RIVERSIDE DRAINAGE CANAL

STR. 53178 CONST. STD. M.H., TYPE "B"

STR. 96100 CONST. STD. M.H., TYPE "B"

STA. 99100 CONST. STD. M.H., TYPE "B"

STR. 98180.99 CONST. STD. M.H., TYPE "B" STA. 0100 LN. "B"

STA. 1175 END LINE NO. 2 PLUG PIPE

LINE NO. 1

LINE NO. 2

HIGHWAY R-235

STR. 98+00

N

UNPLATTED

Natural Ground

LINE NO. 1

24" V.C.P. @ 0.12%

24" V.C.P. @ 0.12%

24" V.C.P. @ 0.12%

24" V.C.P. @ 0.10%

820.60 LIN. FT. 24" V.C.P. @ 0.12% GRADE

179.9 LIN. FT. 24" V.C.P. @ 0.10 % GRADE

LINE NO. 2

175 LIN. FT. 12" V.C.P. @ 0.13% GRADE

175 LIN FT 8'-0" LINE CONC ENCASEMENT

SUB. 2, S.W. INTERCEPTOR
PROJECT NO. C28-88
SHEET 6 OF 12

NOLAN'S

GARDENS

322.65

322'

322'

322'

STA. 36+98 CONST. STD. M.H., TYPE "B"

LINE NO. 1

STA. 40+18 CONST. STD. M.H., TYPE "B"

STA. 43+40 CONST. STD. M.H., TYPE "B"

N

47 TH

ST. SO.

STA. 36+98 CONST. STD. M.H., TYPE "B"

STA. 40+18 CONST. STD. M.H., TYPE "B"

STA. 43+40 CONST. STD. M.H., TYPE "B"

Natural Ground

LINE NO. 1

24" V.C.P. @ 0.10%

24" V.C.P. @ 0.10%

24" V.C.P. @ 0.10%

24" V.C.A @ 0.10%

1100 LIN. FT. 24" V.C.P. @ 0.10% GRADE

SUB. 2, S.W. INTERCEPTOR
PROJECT NO. C28-83
SHEET 7 OF 12

BROADWAY 47 PLAZA

STA. 68+46 CONST. STD. M.H. TYPE "B" BEGIN TUNNEL SEE DETAIL SHT. 9

NOTE: 70.0 LIN. FT. 48" STEEL CASING SEE DETAIL SHEET #12

STA. 67+35 CONST. STD. M.H. TYPE "B" INSTALL 8" STUB S. END TUNNEL

STA. 68+94 CONST. STD. M.H. TYPE "A" INSTALL 8" STUB N.

LINE NO. 1

STA. 71+00 CONST. STD. M.H. TYPE "A"

STA. 73+20 CONST. STD. M.H. TYPE A INSTALL 10" STUB N.

STA. 73+50 CONST. STD. M.H. TYPE "A"

STA. 77+9. CONST. STD. M.H. TYPE "A" INSTALL 8" STUB N.

1268.49'

NORTH

HIGHWAY K-68

47 TH

ST. - 50.

BROADWAY

MAIN ST.

K.E. TAGUE ADDN.

SHEPLERS

AL. N.

Road A-11
21" V.C.P.
Drive W. 14th T Pipe 3.75'
Grade 1%

B.M. 86.757 Standard 28½ E. & 28½ N. of & Broadway & 47th So (1650 cir.)

Natural Ground

LINE NO. 1

Abandoned 8" Pipeline

78" ALUM. CASING

8 LIN. FT. 8" RCP/E CONC. ENCASEMENT

3 LIN. FT. 8" RCP/E CONC. ENCASEMENT

21" V.C.P. @ 0.19%

21" V.C.P. @ 0.14%

146 LIN FT 21" V.C.P. @ 0.19% GRADE

1196 LIN. FT. 21" V.C.P. @ 0.19% GRADE

SEE TUNNEL DETAIL SHT #12

SUB. 2, S.W. INTERCEPTOR
PROJECT NO. C28-85
SHEET 8 OF 12

BROADWAY 47 PLAZA

UNPLATTED

UNPLATTED

UNPLATTED

N

ST.

R.R.

STA. 80+09 CONST. STD. 71 M., TYPE "A"

STA. 82+32 CONST. STD. 71 M. TYPE "A" INSTALL 8"-ST.-8"S.

STA. 84+09 CONST. STD. 71 M. TYPE "A" INSTALL 8"-STUB N.E.

STA. 85+24 CONST. STD. 71 M., TYPE "A"

LINE NO. 1

STA. 88+72 CONST. STD. 71 M., TYPE "A"

47TH

ST. — 50.

NOTE: 70.5 LIN FT. 36" STEEL CASING SEE DETAIL SHT. # 12

SHEPLER'S

WATER

ADDN.

ROCK ISLAND INDUSTRIAL PARK

EQUATION 10+19 BACK = 30+00 AHEAD

PALISADE AVE.

ACRN.

B.M. 87.75 S.W. Cor. Conc. pd Ho. N.E. WATER & 47TH ST So.

Natural Ground

LINE NO. 1

42.5 LIN FT 36" STEEL CASING

8'-0" LINE. CONC. EXCAVATION

8'-8" LINE. CONC. EXCAVATION

21" V.C.P. @ 0.19%

21" V.C.P. @ 0.16%

18" V.C.P. @ 0.10%

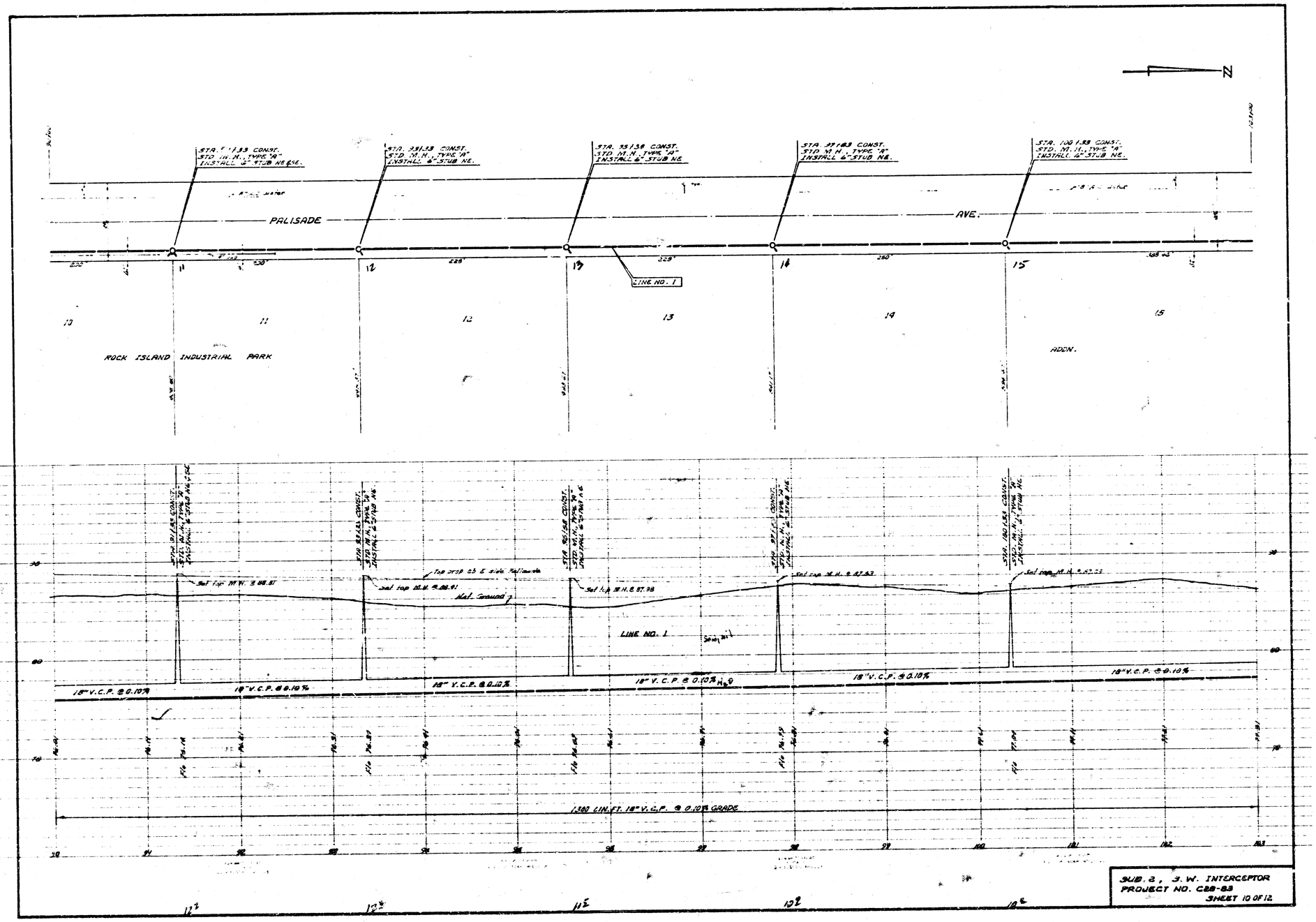
S&E TUNNEL DETAIL SHT. # 12

1020 LIN. FT. 21" V.C.P. @ 0.16% GRADE

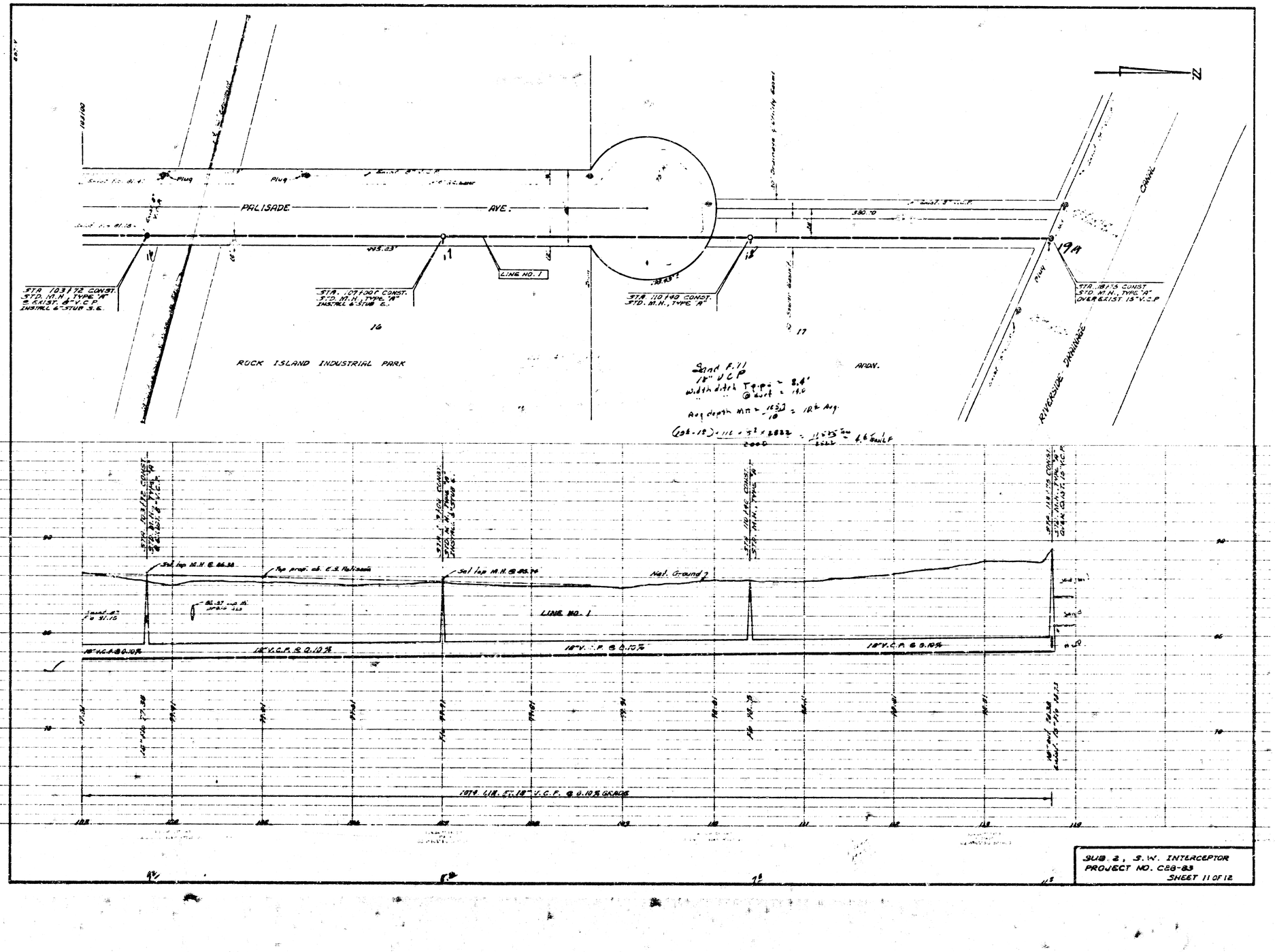
199 LIN. FT. 18" V.C.P. @ 0.10% GRADE

EQUATION 19+19 BACK = 30+00 AHEAD

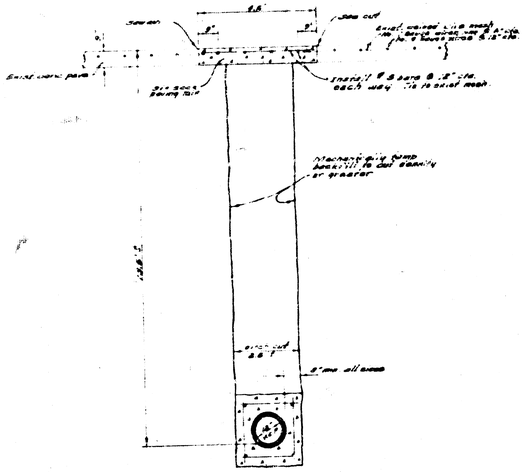
SUB. 2, S. W. INTERCEPTOR
PROJECT NO. C28-68
SHEET 9 OF 12



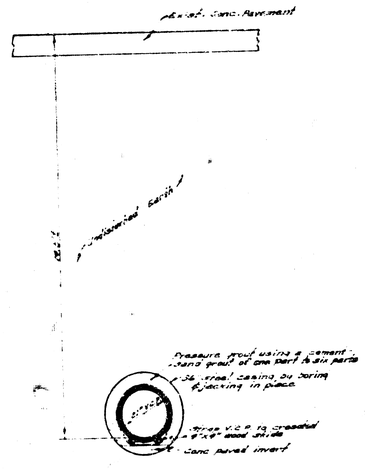

SUB. 2, S.W. INTERCEPTOR
PROJECT NO. C28-83
SHEET 10 OF 12



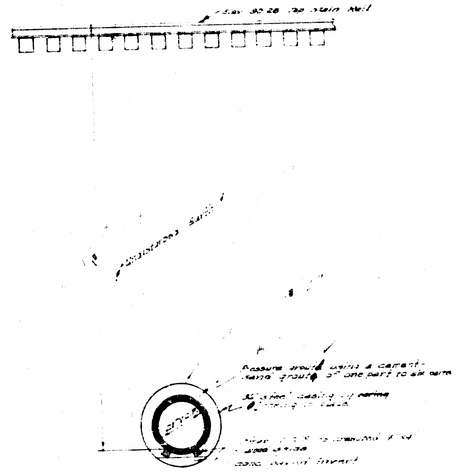

SUB. 2, S.W. INTERCEPTOR
PROJECT NO. C28-83
SHEET 11 OF 12



TYPICAL SECTION
47'18 ST. SO. (HIGHWAY 228) CROSSING STA 0+00 TO 1+75 LN. #2
Scale 1"=2'-0"

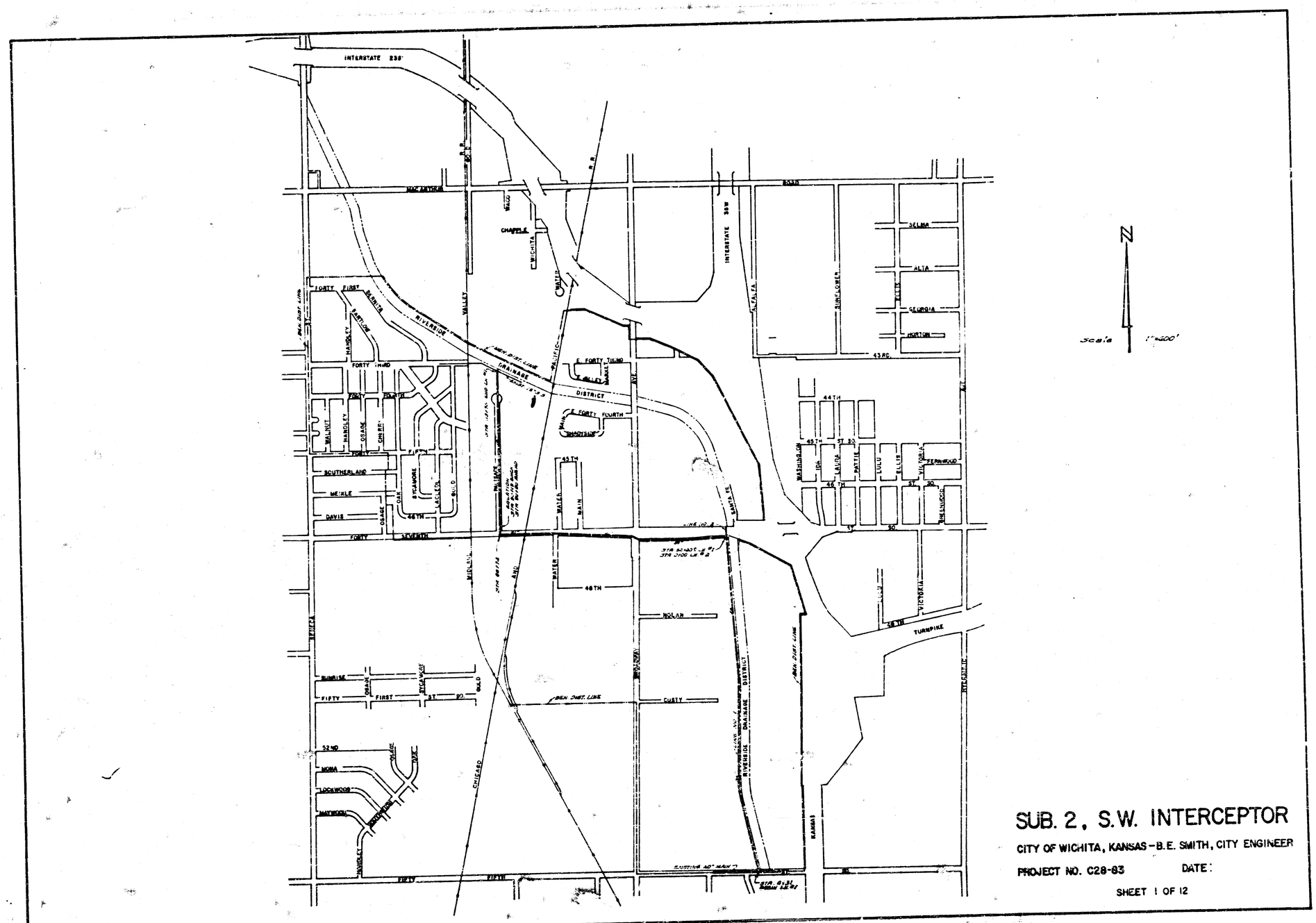


TYPICAL SECTION
BROADWAY (HIGHWAY 87) CROSSING STA 84+36 TO 84+86 LN #1
Scale 1"=2'-0"



TYPICAL SECTION
C.R.I. & P. R.R. CROSSING STA 84+28 TO 84+94 LN. #1.
Scale 1"=2'-0"

SUB. 2, S.W. INTERCEPTOR
PROJECT NO. C28-83
SHEET 12 OF 12




# SUB. 2, S.W. INTERCEPTOR

CITY OF WICHITA, KANSAS – B.E. SMITH, CITY ENGINEER

PROJECT NO. C28-83 DATE:

SHEET 1 OF 12

UNPLATTED

UNPLATTED

RIVERSIDE DRAINAGE CANAL

HIGHWAY R-226

ST. 53+79 CONST. STD. M.H. TYPE "B"

STA. 46+00 CONST. STD. M.H. TYPE "B"

STA. 48+00 CONST. STD. M.H. TYPE "B"

STA. 52+80 CONST. STD. M.H. TYPE "B" STA. 0+00 LN. NO. 2

STA. 1+75 END LINE NO. 2 PLUG PIPE

LINE NO. 1

LINE NO. 2

UNPLATTED

Natural Ground

LINE NO. 1

24" R.C.P. @ 0.12%

24" R.C.P. @ 0.12%

24" R.C.P. @ 0.12%

24" R.C.P. @ 0.10%

820.60 LIN. FT. 24" R.C.P. @ 0.12% GRADE

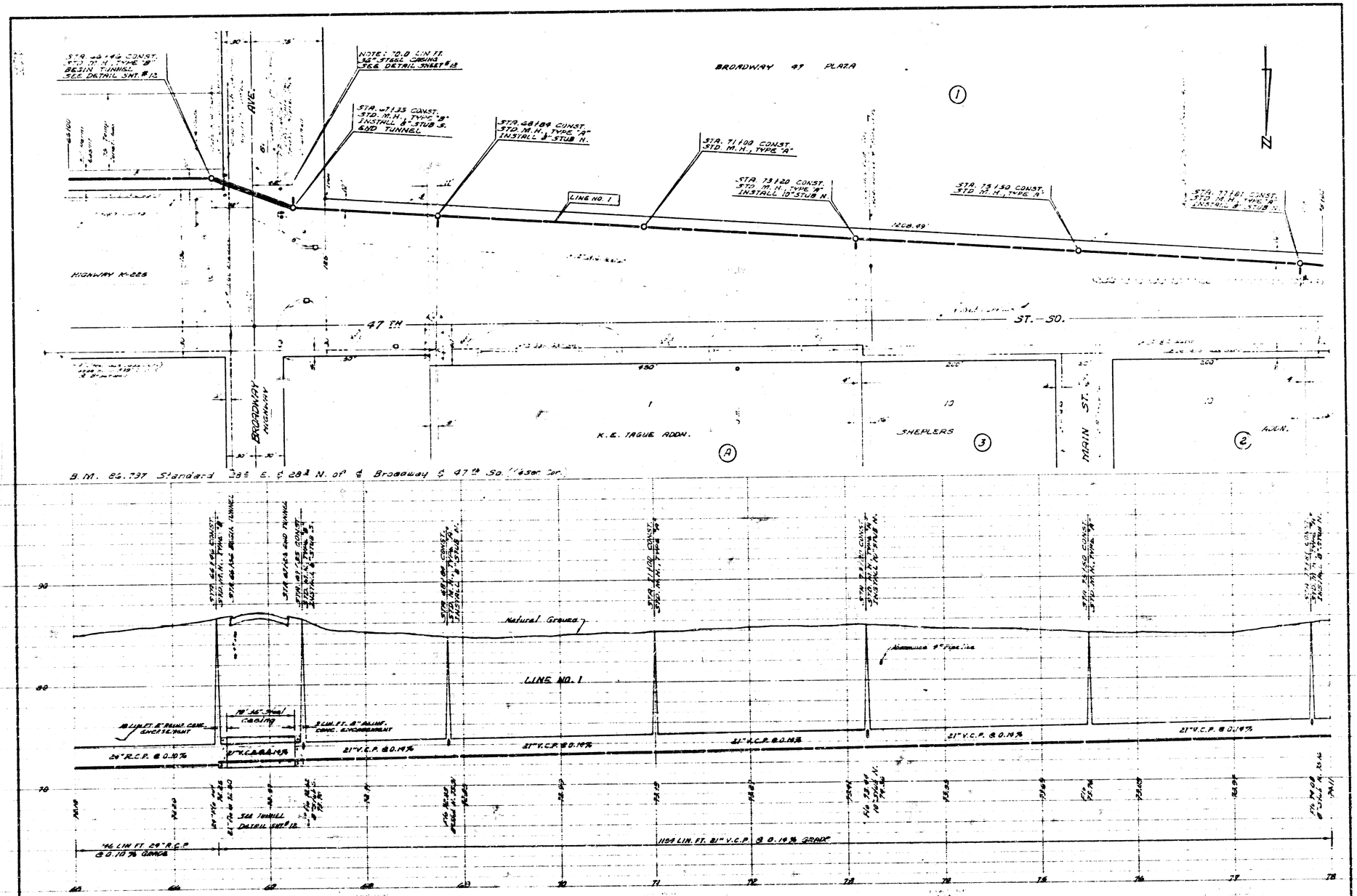
179 @ LIN. FT. 24" R.C.P. @ 0.10 % GRADE

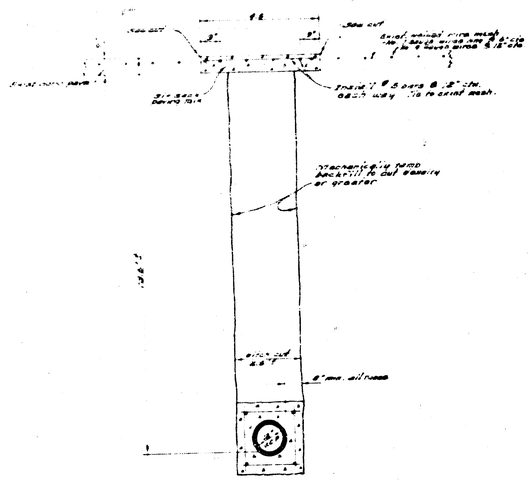
LINE NO. 2

179 LIN FT 9' HEINE CONC. ENCASEMENT

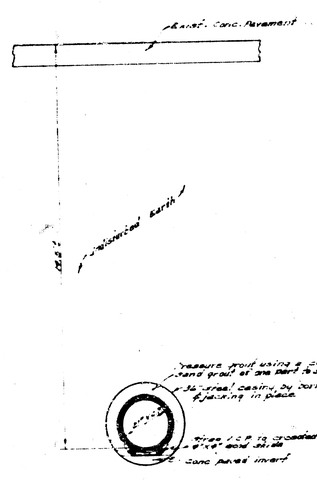
175 LIN FT 12" C.P. @ 0.5% GRADE

SUB. 2, S.W. INTERCEPTOR
PROJECT NO. C28-83
SHEET 6 OF 12

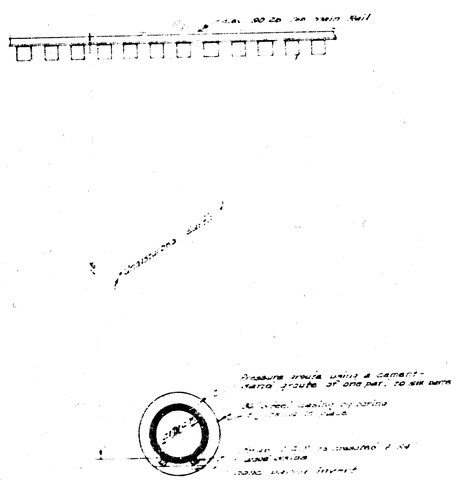

BROADWAY 47 PLAZA
STA. 68+46 CONST. STD. M.H., TYPE "B" BEGIN TUNNEL SEE DETAIL SHT. # 12
NOTE: 70.0 LIN FT. 42" STEEL CASING SEE DETAIL SHEET #13
STA. 69+35 CONST. STD. M.H., TYPE "B" INSTALL 8" STUB S. END TUNNEL
STA. 68+84 CONST. STD. M.H., TYPE "B" INSTALL 8" STUB N.
STA. 71+00 CONST. STD. M.H., TYPE "A"
STA. 73+20 CONST. STD. M.H., TYPE "B" INSTALL 10" STUB N.
STA. 75+50 CONST. STD. M.H., TYPE "A"
STA. 77+61 CONST. STD. M.H., TYPE "A" INSTALL 8" STUB N.
LINE NO. 1
1208.69'
HIGHWAY K-225
47 TH
ST. - 50.
BROADWAY AVENUE
MAIN ST.
K.E. TAGUE ADDN.
SHEPLERS
ADD'N.
B.M. 66.737 Standard 3½ E. & 28½ N. of ℄ Broadway & 47th St. (East Cor.
Natural Ground
LINE NO. 1
Kansas 4" Pipe Line
70 LIN FT. 42" Steel Casing
3 LIN FT. 8" REINF. CONC. ENCASEMENT
2 LIN FT. 8" REINF. CONC. ENCROACHMENT
24" R.C.P. @ 0.10%
21" V.C.P. @ 0.14%
STA. 68+46 BEGIN TUNNEL DETAIL SHT. #12
146 LIN FT. 24" R.C.P. @ 0.10% GRADE
1154 LIN. FT. 21" V.C.P. @ 0.14% GRADE
SUB. 2, S.W. INTERCEPTOR
PROJECT NO. C28-63
SHEET 8 OF 12




TYPICAL SECTION
9718 ST. SO. (HIGHWAY 125) CROSSING STA 0100 TO 1175 LT. ℄2
Scale 1"=5'-0"




TYPICAL SECTION
BROADWAY - HIGHWAY 87) CROSSING STA 66136 TO 67+46 LT ℄
Scale 1"=2'-0"




TYPICAL SECTION
C.R.I. & P. R.R. CROSSING STA 66+23.8 TO 66+37.4 LT ℄.
Scale 1"=2'-0"

SUB. 2, S.W. INTERCEPTOR
PROJECT NO. C28-83
SHEET 12 OF 12