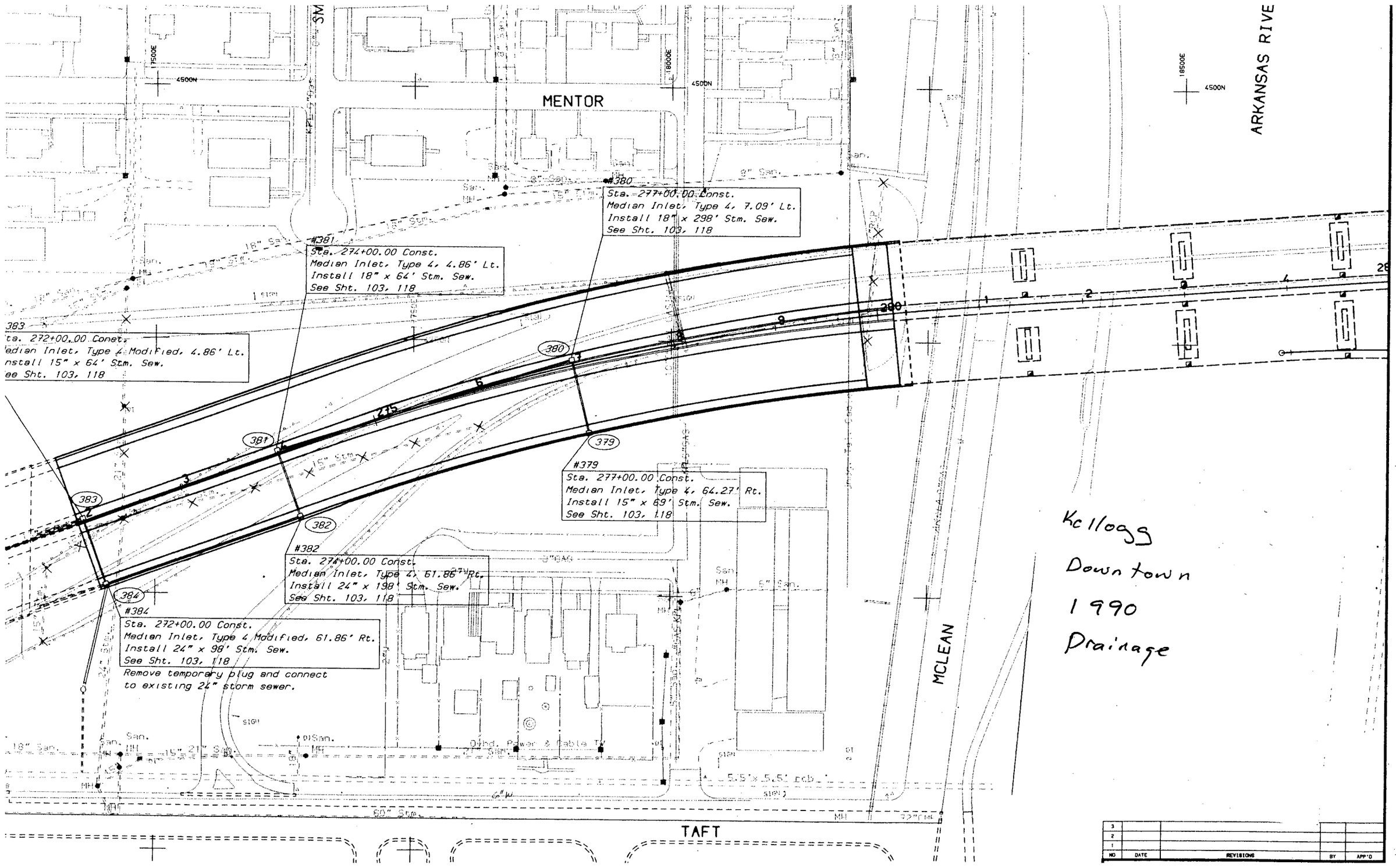
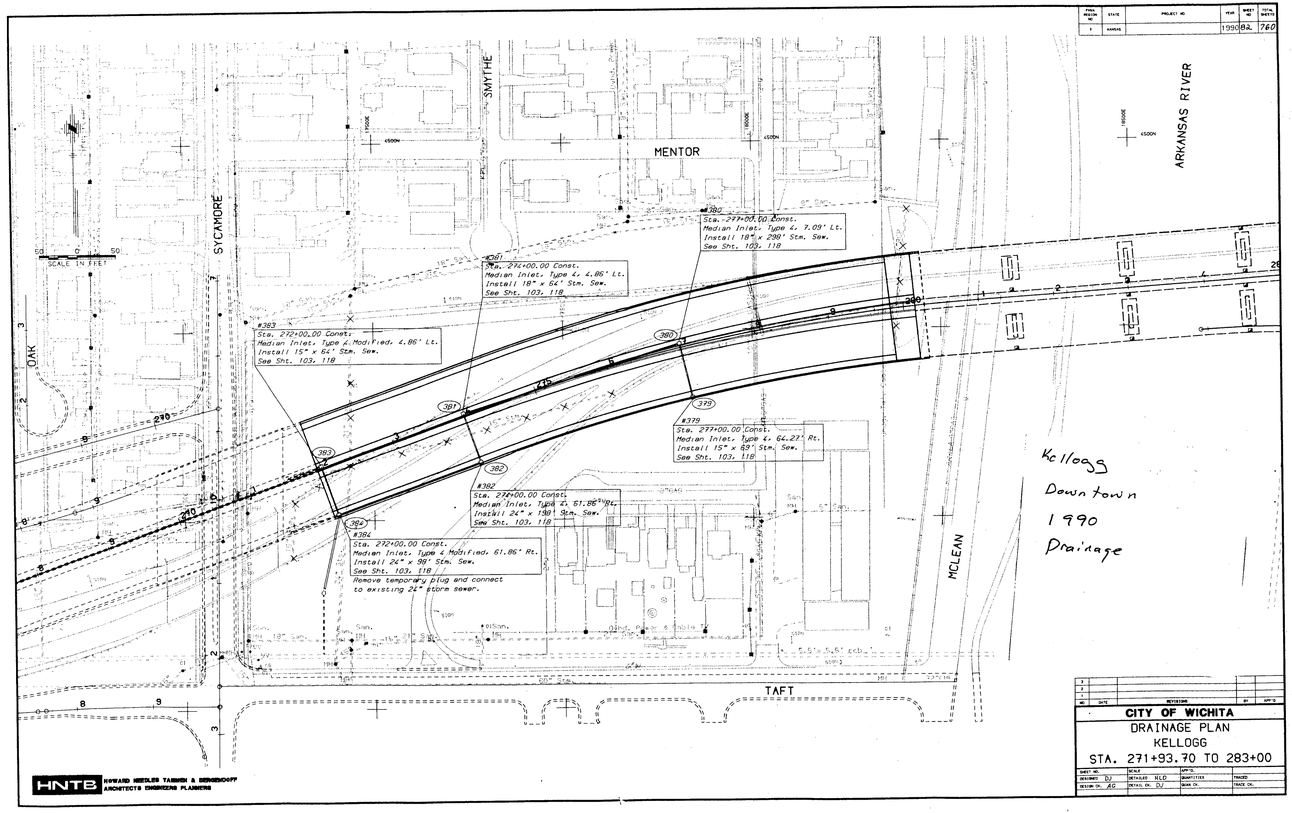

MENTOR
ARKANSAS RIVE
MCLEAN
TAFT
#380
Sta. 277+00.00 Const.
Median Inlet, Type 4, 7.09' Lt.
Install 18" x 298' Stm. Sew.
See Sht. 103, 118
#381
Sta. 274+00.00 Const.
Median Inlet, Type 4, 4.86' Lt.
Install 18" x 64' Stm. Sew.
See Sht. 103, 118
#383
Sta. 272+00.00 Const.
Median Inlet, Type 4 Modified, 4.86' Lt.
Install 15" x 64' Stm. Sew.
See Sht. 103, 118
#379
Sta. 277+00.00 Const.
Median Inlet, Type 4, 64.27' Rt.
Install 15" x 69' Stm. Sew.
See Sht. 103, 118
#382
Sta. 274+00.00 Const.
Median Inlet, Type 4, 61.86' Rt.
Install 24" x 198' Stm. Sew.
See Sht. 103, 118
#384
Sta. 272+00.00 Const.
Median Inlet, Type 4 Modified, 61.86' Rt.
Install 24" x 98' Stm. Sew.
See Sht. 103, 118
Remove temporary plug and connect
to existing 24" storm sewer.
Kellogg
Downtown
1990
Drainage
REVISIONS
NO DATE
BY APP'D



FINAL REVISION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
3	KANSAS		1990	82.	760

Kellogg
Downtown
1990
Drainage

NO	DATE	REVISIONS	BY	APP'D
1				
2				
3				

CITY OF WICHITA

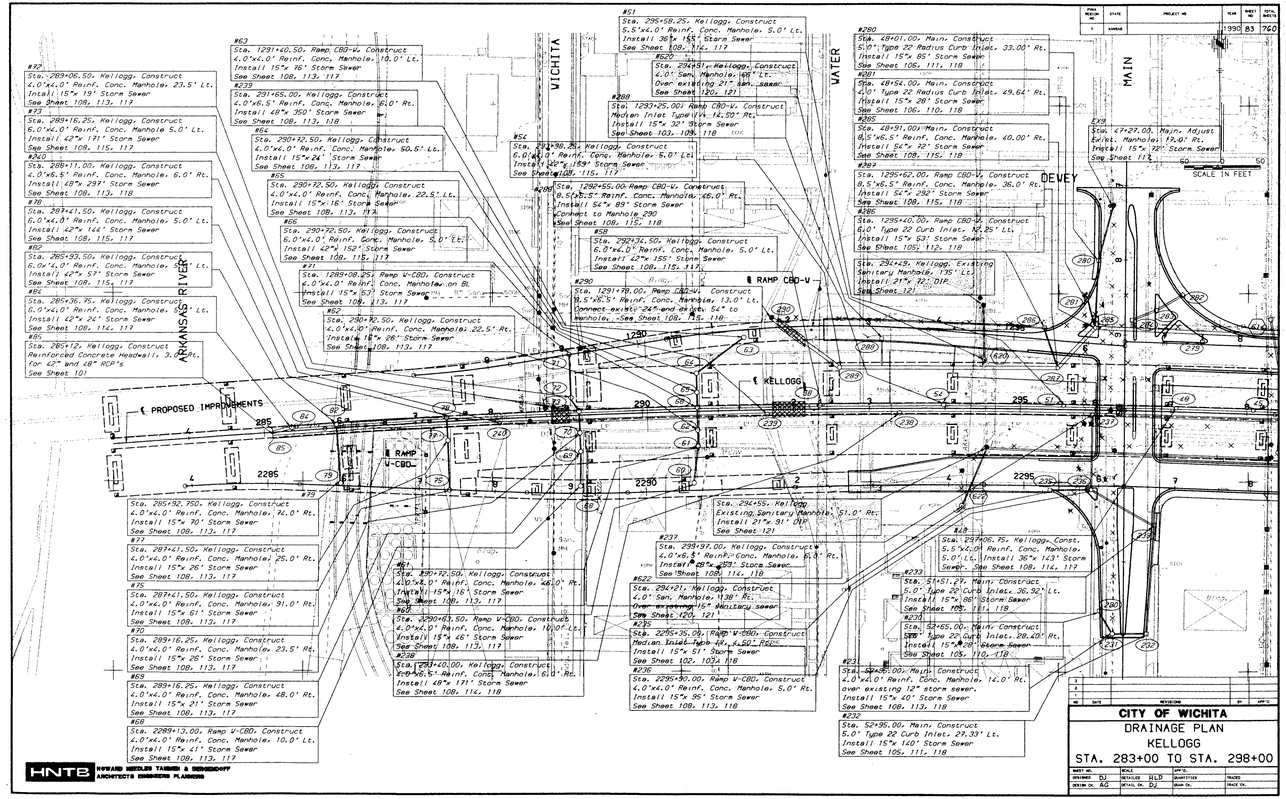
DRAINAGE PLAN

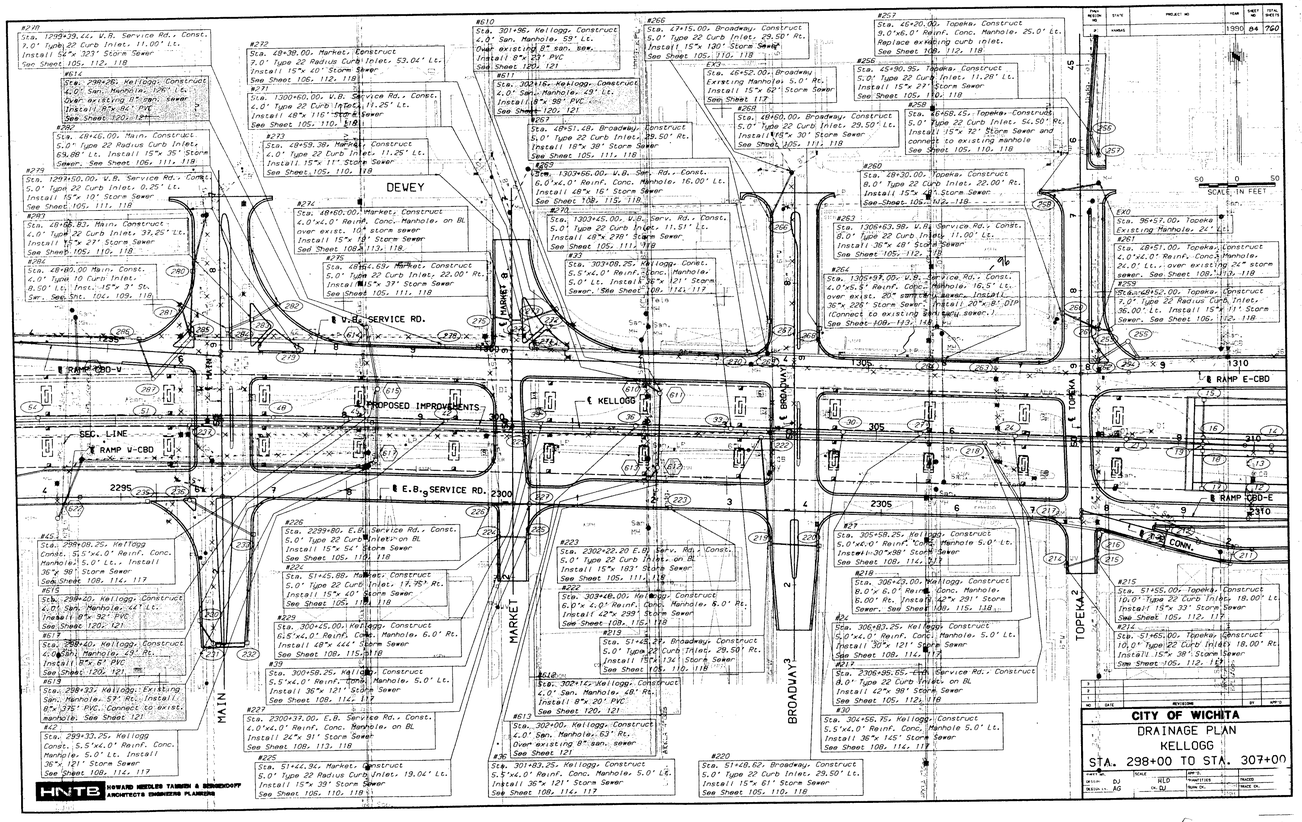
KELLOGG

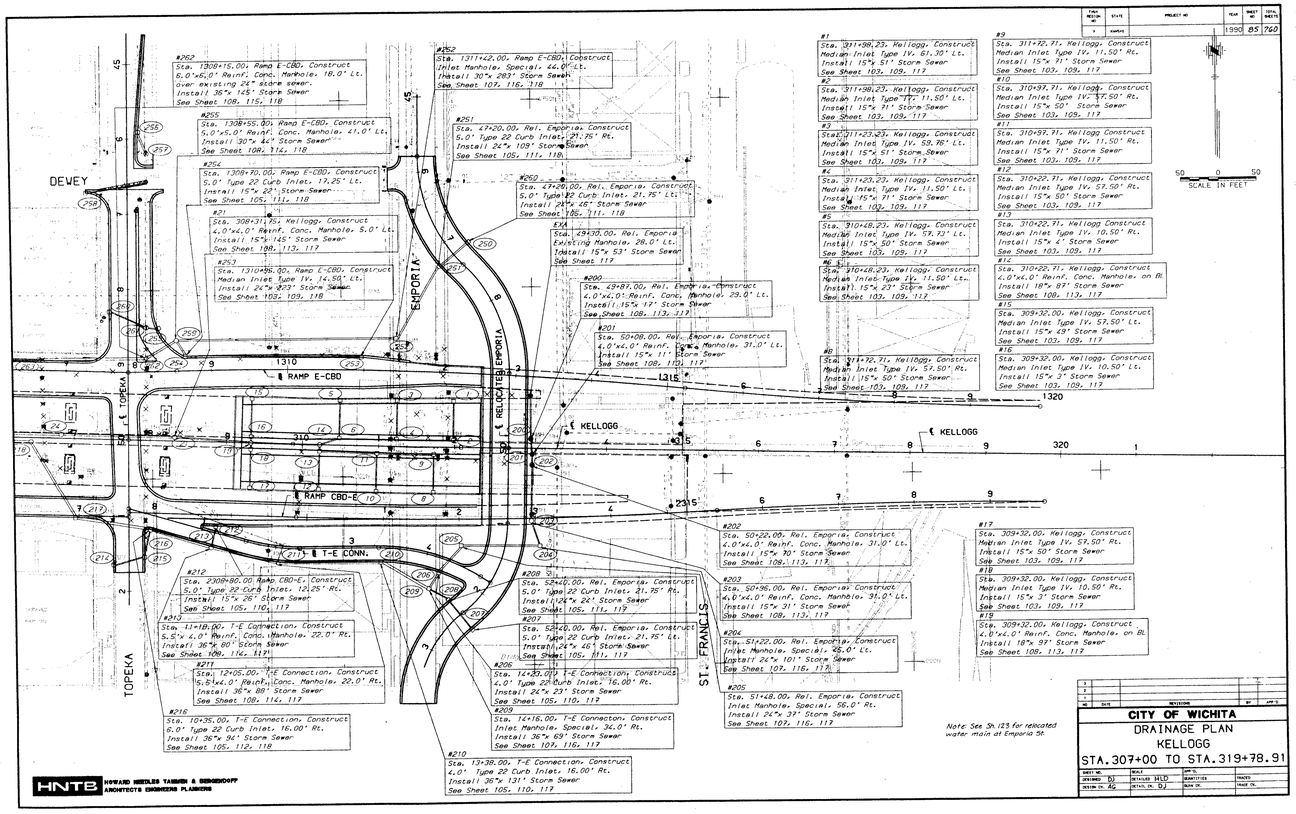
STA. 271+93.70 TO 283+00

SHEET NO.	SCALE	APP'D.	
DESIGNED DJ	DETAILED MLD	DRAFT/TYPIST	TRACED
DESIGN CH. AG	DETAIL CH. DJ	MAIN CH.	TRACE CH.

HNTB HOWARD NEEDLES TAMMEN & BERGENDOFF
ARCHITECTS ENGINEERS PLANNERS


WICHITA
RIVER
ARKANSAS
WATER
MAIN
DEWEY
KELLOGG
PROPOSED IMPROVEMENTS
RAMP CBD-V
RAMP V-CBD
#72
Sta. 289+06.50, Kellogg, Construct 4.0'x4.0' Reinf. Conc. Manhole, 23.5' Lt. Install 15"x 19' Storm Sewer See Sheet 108, 113, 117
#73
Sta. 289+16.25, Kellogg, Construct 6.0'x4.0' Reinf. Conc. Manhole 5.0' Lt. Install 42"x 171' Storm Sewer See Sheet 108, 115, 117
#240
Sta. 288+71.00, Kellogg, Construct 4.0'x6.5' Reinf. Conc. Manhole, 6.0' Rt. Install 48"x 299' Storm Sewer See Sheet 108, 113, 118
#70
Sta. 287+21.50, Kellogg, Construct 6.0'x4.0' Reinf. Conc. Manhole, 5.0' Lt. Install 42"x 144' Storm Sewer See Sheet 108, 115, 117
#69
Sta. 285+93.50, Kellogg, Construct 6.0x'4.0' Reinf. Conc. Manhole, 5.0' Lt. Install 42"x 57' Storm Sewer See Sheet 108, 115, 117
#84
Sta. 285+36.75, Kellogg, Construct 6.0'x4.0' Reinf. Conc. Manhole, 5.0' Lt. Install 42"x 24' Storm Sewer See Sheet 108, 114, 117
#85
Sta. 285+12, Kellogg, Construct Reinforced Concrete Headwall, 3.0' Rt. for 42" and 48" RCP's See Sheet 101
#63
Sta. 1291+40.50, Ramp CBD-V, Construct 4.0'x4.0' Reinf. Conc. Manhole, 16.0' Lt. Install 15"x 76' Storm Sewer See Sheet 108, 113, 117
#239
Sta. 291+65.00, Kellogg, Construct 4.0'x6.5' Reinf. Conc. Manhole, 6.0' Rt. Install 48"x 350' Storm Sewer See Sheet 108, 113, 118
#64
Sta. 290+72.50, Kellogg, Construct 4.0'x4.0' Reinf. Conc. Manhole, 50.5' Lt. Install 15"x 24' Storm Sewer See Sheet 108, 113, 117
#65
Sta. 290+72.50, Kellogg, Construct 4.0'x4.0' Reinf. Conc. Manhole, 22.5' Lt. Install 15"x 16' Storm Sewer See Sheet 108, 113, 117
#66
Sta. 290+72.50, Kellogg, Construct 6.0'x4.0' Reinf. Conc. Manhole, 5.0' Lt. Install 42"x 152' Storm Sewer See Sheet 108, 115, 117
#71
Sta. 1289+08.25, Ramp V-CBD, Construct 4.0'x4.0' Reinf. Conc. Manhole on Rt. Install 15"x 53' Storm Sewer See Sheet 108, 113, 117
#62
Sta. 290+92.50, Kellogg, Construct 4.0'x4.0' Reinf. Conc. Manhole, 22.5' Rt. Install 15"x 26' Storm Sewer See Sheet 108, 113, 117
#51
Sta. 295+58.25, Kellogg, Construct 5.5'x4.0' Reinf. Conc. Manhole, 5.0' Lt. Install 36"x 155' Storm Sewer See Sheet 108, 114, 117
#620
Sta. 294+91, Kellogg, Construct 4.0' Sani. Manhole, 105' Lt. Over existing 21" san. sewer See Sheet 120, 121
#288
Sta. 1293+25.00, Ramp CBD-V, Construct Median Inlet Type IV, 4, 14.00' Rt. Install 15"x 32' Storm Sewer See Sheet 103, 109, 118
#5C
Sta. 292+98.25, Kellogg, Construct 6.0'x4.0' Reinf. Conc. Manhole, 5.0' Lt. Install 42"x 189' Storm Sewer See Sheet 108, 115, 117
#289
Sta. 1292+55.00, Ramp CBD-V, Construct 8.5'x6.5' Reinf. Conc. Manhole, 45.0' Rt. Install 54"x 89' Storm Sewer Connect to Manhole 280 See Sheet 108, 115, 118
#58
Sta. 292+34.50, Kellogg, Construct 6.0'x4.0' Reinf. Conc. Manhole, 5.0' Lt. Install 42"x 155' Storm Sewer See Sheet 108, 115, 117
#290
Sta. 1291+98.00, Ramp CBD-V, Construct 8.5'x6.5' Reinf. Conc. Manhole, 13.0' Lt. Connect ex MH 24" and ex 24, 54" to manhole, -See Sheet 108, 115, 118
#280
Sta. 48+01.00, Main, Construct 5.0' Type 22 Radius Curb Inlet, 33.00' Rt. Install 15"x 85' Storm Sewer See Sheet 106, 111, 118
#281
Sta. 48+54.00, Main, Construct 4.0' Type 22 Radius Curb Inlet, 49.64' Rt. Install 15"x 28' Storm Sewer See Sheet 106, 110, 118
#285
Sta. 48+91.00, Main, Construct 8.5'x6.5' Reinf. Conc. Manhole, 40.00' Rt. Install 54"x 52' Storm Sewer See Sheet 108, 115, 118
#283
Sta. 1295+62.00, Ramp CBD-V, Construct 8.5'x6.5' Reinf. Conc. Manhole, 36.0' Rt. Install 54"x 292' Storm Sewer See Sheet 108, 115, 118
#286
Sta. 1295+40.00, Ramp CBD-V, Construct 6.0' Type 22 Curb Inlet, 42.85' Lt. Install 15"x 53' Storm Sewer See Sheet 105, 112, 118
Sta. 294+43, Kellogg, Existing Sanitary Manhole, 135' Lt. Install 21"x 92' DIP. See Sheet 121
Ex9
Sta. 47+27.03, Main, Adjust Exist. Manhole, 19.40' Rt. Install 15"x 72' Storm Sewer See Sheet 112
SCALE IN FEET
#237
Sta. 294+97.00, Kellogg, Construct 4.0'x6.5' Reinf. Conc. Manhole, 61.0' Rt. Install 48"x 289' Storm Sewer See Sheet 108, 114, 118
#622
Sta. 294+21, Kellogg, Construct 4.0' San. Manhole, 1138' Rt. Over existing 15" sanitary sewer See Sheet 120, 121
#235
Sta. 2295+35.00, Ramp V-CBD, Construct Median Inlet Type IV, 4.50' Rt. Install 15"x 51' Storm Sewer See Sheet 102, 103, 118
#236
Sta. 2295+90.00, Ramp V-CBD, Construct 4.0'x4.0' Reinf. Conc. Manhole, 5.0' Rt. Install 15"x 95' Storm Sewer See Sheet 108, 113, 118
#18
Sta. 297+06.75, Kellogg, Const. 5.5'x2.01 Reinf. Conc. Manhole, 5.0' Lt., Install 36"x 143' Storm Sewer, See Sheet 108, 114, 117
#232
Sta. 51+51.21, Main, Construct 5.0' Type 22 Curb Inlet, 26.92' Lt. Install 15"x 86' Storm Sewer See Sheet 105, 111, 118
#230
Sta. 52+65.00, Main, Construct 5.0' Type 22 Curb Inlet, 28.40' Rt. Install 15"x 28' Storm Sewer See Sheet 105, 110, 118
#231
Sta. 52+85.00, Main, Construct 4.0'x4.0' Reinf. Conc. Manhole, 12.0' Rt. over existing 12" storm sewer. Install 15"x 40' Storm Sewer See Sheet 108, 113, 118
#232
Sta. 52+95.00, Main, Construct 5.0' Type 22 Curb Inlet, 29.33' Lt. Install 15"x 140' Storm Sewer See Sheet 105, 111, 118
#61
Sta. 290+92.50, Kellogg, Construct 4.0'x4.0' Reinf. Conc. Manhole, 46.0' Rt. Install 15"x 161' Storm Sewer See Sheet 108, 113, 117
#60
Sta. 2290+63.50, Ramp V-CBD, Construct 4.0'x4.0' Reinf. Conc. Manhole, 10.0' Lt. Install 15"x 46' Storm Sewer See Sheet 108, 113, 117
#238
Sta. 1291+40.00, Kellogg, Construct 8.0'x6.5' Reinf. Conc. Manhole, 61.0' Rt. Install 48"x 171' Storm Sewer See Sheet 108, 114, 118
#72
Sta. 285+92.750, Kellogg, Construct 4.0'x4.0' Reinf. Conc. Manhole, 42.0' Rt. Install 15"x 80' Storm Sewer See Sheet 108, 113, 117
#73
Sta. 287+41.50, Kellogg, Construct 4.0'x4.0' Reinf. Conc. Manhole, 25.0' Rt. Install 15"x 26' Storm Sewer See Sheet 108, 113, 117
#75
Sta. 287+41.50, Kellogg, Construct 4.0'x4.0' Reinf. Conc. Manhole, 91.0' Rt. Install 15"x 61' Storm Sewer See Sheet 108, 113, 117
#70
Sta. 289+16.25, Kellogg, Construct 4.0'x4.0' Reinf. Conc. Manhole, 23.5' Rt. Install 15"x 26' Storm Sewer See Sheet 108, 113, 117
#69
Sta. 289+16.25, Kellogg, Construct 4.0'x4.0' Reinf. Conc. Manhole, 48.0' Rt. Install 15"x 21' Storm Sewer See Sheet 108, 113, 117
#68
Sta. 2289+13.00, Ramp V-CBD, Construct 4.0'x4.0' Reinf. Conc. Manhole, 10.0' Lt. Install 15"x 21' Storm Sewer See Sheet 108, 113, 117
Sta. 294+55, Kellogg, Existing Sanitary Manhole, 51.0' Rt. Install 21"x 91' DIP. See Sheet 121
1990
83
760
HNTB HOWARD NEEDLES TAMMEN & BERGENDOFF ARCHITECTS ENGINEERS PLANNERS
CITY OF WICHITA
DRAINAGE PLAN
KELLOGG
STA. 283+00 TO STA. 298+00


#240
Sta. 1299+39.44, W.B. Service Rd., Const. 7.0' Type 22 Curb Inlet, 11.00' Lt. Install 54"x 323' Storm Sewer
See Sheet 105, 112, 118
#614
Sta. 298+26, Kellogg, Construct 4.0' San. Manhole, 126' Lt. Over existing 8" san. sewer. Install 8"x 84' PVC
See Sheet 120, 121
#232
Sta. 48+38.00, Market, Construct 7.0' Type 22 Radius Curb Inlet, 53.04' Lt. Install 15"x 40' Storm Sewer
See Sheet 106, 112, 118
#231
Sta. 1300+60.00, W.B. Service Rd., Const. 4.0' Type 22 Curb Inlet, 11.25' Lt. Install 48"x 116' Storm Sewer
See Sheets 105, 110, 118
#273
Sta. 48+59.38, Market, Construct 4.0' Type 22 Curb Inlet, 11.25' Lt. Install 15"x 11' Storm Sewer
See Sheet 105, 110, 118
#610
Sta. 301+96, Kellogg, Construct 4.0' San. Manhole, 59' Lt. Over existing 8" san. sew. Install 8"x 29' PVC
See Sheet 120, 121
#611
Sta. 302+16, Kellogg, Construct 4.0' San. Manhole, 49' Lt. Install 8"x 98' PVC
See Sheet 120, 121
#267
Sta. 48+51.48, Broadway, Construct 5.0' Type 22 Curb Inlet, 29.50' Rt. Install 18"x 38' Storm Sewer
See Sheet 105, 111, 118
#609
Sta. 1303+66.00, W.B. Serv. Rd., Const. 6.0'x4.0' Reinf. Conc. Manhole, 16.00' Lt. Install 48"x 16' Storm Sewer
See Sheet 108, 115, 118
#33
Sta. 303+08.25, Kellogg, Construct 5.5'x4.0' Reinf. Conc. Manhole, 5.0' Lt. Install 36"x 121' Storm Sewer, See Sheet 108, 114, 117
#266
Sta. 47+15.00, Broadway, Construct 5.0' Type 22 Curb Inlet, 29.50' Rt. Install 15"x 130' Storm Sewer
See Sheet 105, 110, 118
EX3
Sta. 46+52.00, Broadway, Existing Manholes 5.0' Rt., Install 15"x 60' Storm Sewer
See Sheet 117
#268
Sta. 48+60.00, Broadway, Construct 5.0' Type 22 Curb Inlet, 29.50' Lt. Install 15"x 30' Storm Sewer
See Sheet 105, 111, 118
#257
Sta. 46+20.00, Topeka, Construct 9.0'x6.0' Reinf. Conc. Manhole, 25.0' Lt. Replace existing curb inlet.
See Sheet 105, 112, 118
#256
Sta. 45+90.95, Topeka, Construct 5.0' Type 22 Curb Inlet, 11.28' Lt. Install 15"x 27' Storm Sewer
See Sheet 105, 110, 118
#258
Sta. 46+68.45, Topeka, Construct 5.0' Type 22 Curb Inlet, 54.50' Rt. Install 15"x 72' Storm Sewer and connect to existing manhole
See Sheet 105, 110, 118
#260
Sta. 48+30.00, Topeka, Construct 8.0' Type 22 Curb Inlet, 22.00' Rt. Install 15"x 41' Storm Sewer
See Sheet 105, 112, 118
#263
Sta. 1306+63.98, W.B. Service Rd., Const. 8.0' Type 22 Curb Inlet, 11.00' Lt. Install 36"x 48' Storm Sewer
See Sheet 105, 112, 118
#264
Sta. 1305+97.00, W.B. Service Rd., Const. 4.0'x5.5' Reinf. Conc. Manhole, 16.5' Lt. over exist. 20" sanitary sewer. Install 36"x 226' Storm Sewer. Install 20"x 8" DIP (Connect to existing sanitary sewer.)
See Sheet 108, 113, 118
#27
Sta. 305+58.25, Kellogg, Construct 5.0'x4.0' Reinf. Conc. Manhole 5.0' Lt. Install 30"x 98' Storm Sewer
See Sheet 108, 114, 117
#219
Sta. 306+43.00, Kellogg, Construct 8.0'x 6.0' Reinf. Conc. Manhole, 6.00' Rt. Install 42"x 291' Storm Sewer. See Sheet 108, 115, 118
#32
Sta. 306+83.25, Kellogg, Construct 5.0'x4.0' Reinf. Conc. Manhole, 5.0' Lt. Install 30" 121' Storm Sewer
See Sheet 108, 114, 117
#217
Sta. 2306+85.65, Irish Service Rd., Construct 8.0' Type 22 Curb Inlet, on BL Install 42"x 98' Storm Sewer
See Sheet 105, 112, 118
#30
Sta. 304+56.75, Kellogg, Construct 5.5'x4.0' Reinf. Conc. Manhole 5.0' Lt. Install 36"x 145' Storm Sewer
See Sheet 108, 114, 117
#220
Sta. 51+40.62, Broadway, Construct 5.0' Type 22 Curb Inlet, 29.50' Lt. Install 15"x 61' Storm Sewer
See Sheet 105, 110, 118
EX0
Sta. 96+57.00, Topeka, Existing Manhole, 24' Lt.
#261
Sta. 48+51.00, Topeka, Construct 4.0'x4.0' Reinf. Conc. Manhole, 24.0' Lt., over existing 24" storm sewer. See Sheet 108, 113, 118
#259
Sta. 48+52.00, Topeka, Construct 7.0' Type 22 Radius Curb Inlet, 36.00' Lt. Install 15"x 11' Storm Sewer. See Sheet 106, 112, 118
#215
Sta. 51+55.00, Topeka, Construct 10.0' Type 22 Curb Inlet, 18.00' Lt. Install 15"x 33' Storm Sewer
See Sheet 105, 112, 118
#214
Sta. 51+65.00, Topeka, Construct 10.0' Type 22 Curb Inlet, 18.00' Rt. Install 15"x 38' Storm Sewer
See Sheet 105, 112, 118
#240
Sta. 1299+08.25, Kellogg Const. 5.5'x4.0' Reinf. Conc. Manhole, 5.0' Lt., Install 36"x 98' Storm Sewer
See Sheet 108, 114, 117
#616
Sta. 298+20, Kellogg, Construct 4.0' San. Manhole, 44' Lt. Install 8"x 92' PVC
See Sheet 120, 121
#617
Sta. 298+40, Kellogg, Construct 4.0' San. Manhole, 49' Rt. Install 8"x 6' PVC
See Sheet 120, 121
#618
Sta. 298+33, Kellogg, Existing San. Manhole, 52' Rt., Install 8"x 375' PVC., Connect to exist. manhole, See Sheet 121
#42
Sta. 299+33.25, Kellogg Const. 5.5'x4.0' Reinf. Conc. Manhole, 5.0' Lt. Install 36"x 121' Storm Sewer
See Sheet 108, 114, 117
#206
Sta. 2299+80, E.B. Service Rd., Const. 5.0' Type 22 Curb Inlet on BL Install 15"x 54' Storm Sewer
See Sheet 105, 111, 118
#224
Sta. 51+45.88, Market, Construct 5.0' Type 22 Curb Inlet, 17.75' Rt. Install 15"x 40' Storm Sewer
See Sheet 105, 111, 118
#229
Sta. 300+25.00, Kellogg, Construct 6.5'x4.0' Reinf. Conc. Manhole, 6.0' Rt. Install 48"x 144' Storm Sewer
See Sheet 108, 115, 118
#39
Sta. 300+58.25, Kellogg, Construct 5.5'x4.0' Reinf. Conc. Manhole, 5.0' Lt. Install 36"x 121' Storm Sewer
See Sheet 108, 114, 117
#222
Sta. 2300+37.00, E.B. Service Rd., Const. 4.0'x4.0' Reinf. Conc. Manhole, on BL Install 24"x 91' Storm Sewer
See Sheet 108, 113, 118
#225
Sta. 51+42.92, Market, Construct 5.0' Type 22 Radius Curb Inlet, 19.04' Lt. Install 15"x 29' Storm Sewer
See Sheet 105, 110, 118
#223
Sta. 2302+22.20 E.B. Serv. Rd., Const. 5.0' Type 22 Curb Inlet, on BL Install 15"x 183' Storm Sewer
See Sheet 105, 111, 118
#220
Sta. 303+48.00, Kellogg, Construct 6.0'x 4.0' Reinf. Conc. Manhole, 6.0' Rt. Install 42"x 299' Storm Sewer
See Sheet 108, 115, 118
#219
Sta. 51+45.20, Broadway, Construct 5.0' Type 22 Curb Inlet, 29.50' Rt. Install 15"x 134' Storm Sewer
See Sheet 105, 110, 118
#618
Sta. 302+12, Kellogg, Construct 4.0' San. Manhole, 68' Rt. Install 8"x 20' PVC
See Sheet 120, 121
#613
Sta. 302+00, Kellogg, Construct 4.0' San. Manhole, 63' Rt. Over existing 8" san. sewer
See Sheet 121
#30
Sta. 301+83.25, Kellogg, Construct 5.5'x4.0' Reinf. Conc. Manhole, 5.0' Lt. Install 36"x 121' Storm Sewer
See Sheet 108, 114, 117
#220
Sta. 51+40.62, Broadway, Construct 5.0' Type 22 Curb Inlet, 29.50' Lt. Install 15"x 61' Storm Sewer
See Sheet 105, 110, 118
DEWEY
V.B. SERVICE RD.
PROPOSED IMPROVEMENTS
KELLOGG
MARKET
BROADWAY
TOPEKA
MAIN
SEC. LINE
RAMP V-CBD
RAMP CBD-V
RAMP E-CBD
RAMP CBD-E
E.B. SERVICE RD.
CONN.
2295
2300
2305
1295
1300
1305
1310
SCALE IN FEET
50 0 50
HNTB HOWARD NEEDLES TAMMEN & BERGENDOFF ARCHITECTS ENGINEERS PLANNERS
CITY OF WICHITA
DRAINAGE PLAN
KELLOGG
STA. 298+00 TO STA. 307+00
DESIGN DJ
DRAWN AG
CHECK DJ
SCALE AS RLD
QUANTITIES
TRACED
DATE
REVISION
BY
APP'D



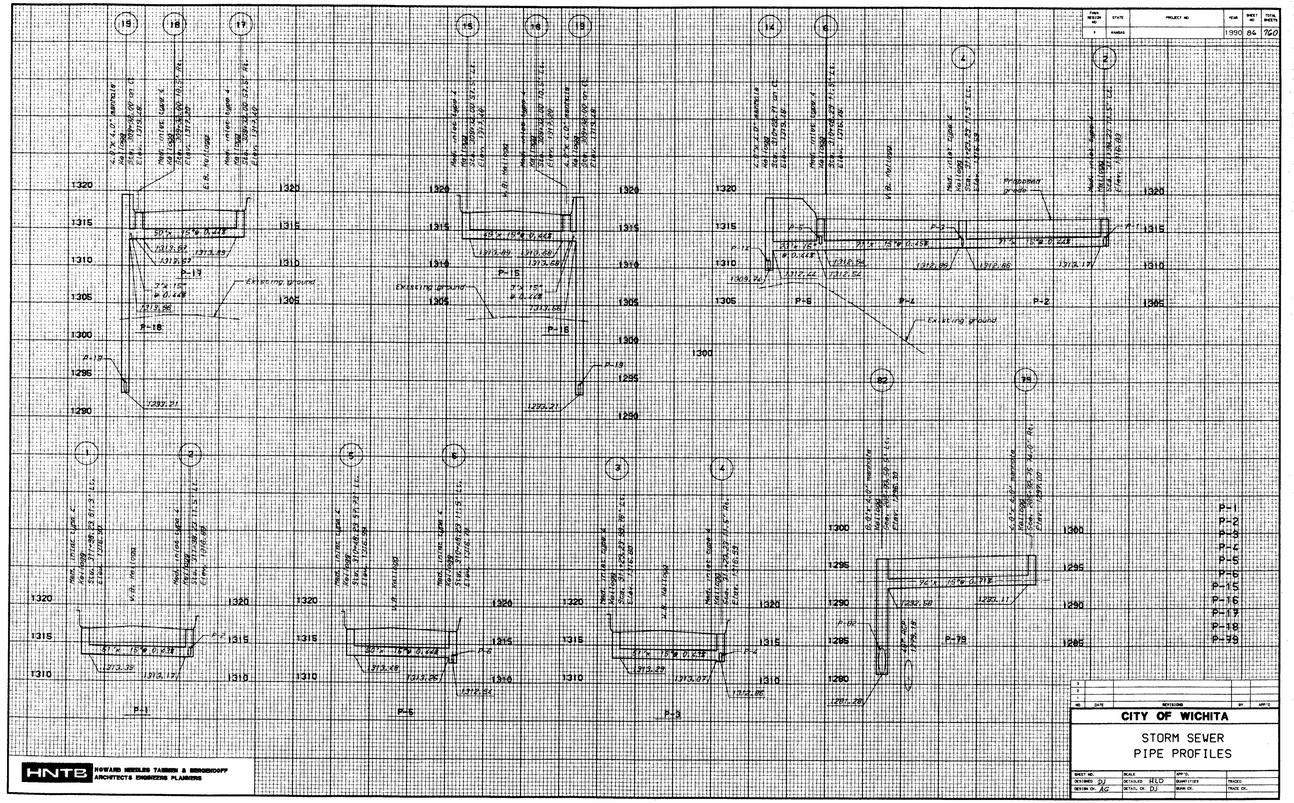
FUND REVISION NO	STATE	PROJECT NO	YEAR	SHEET NO	TOTAL SHEETS
1	KANSAS		1990	85	760

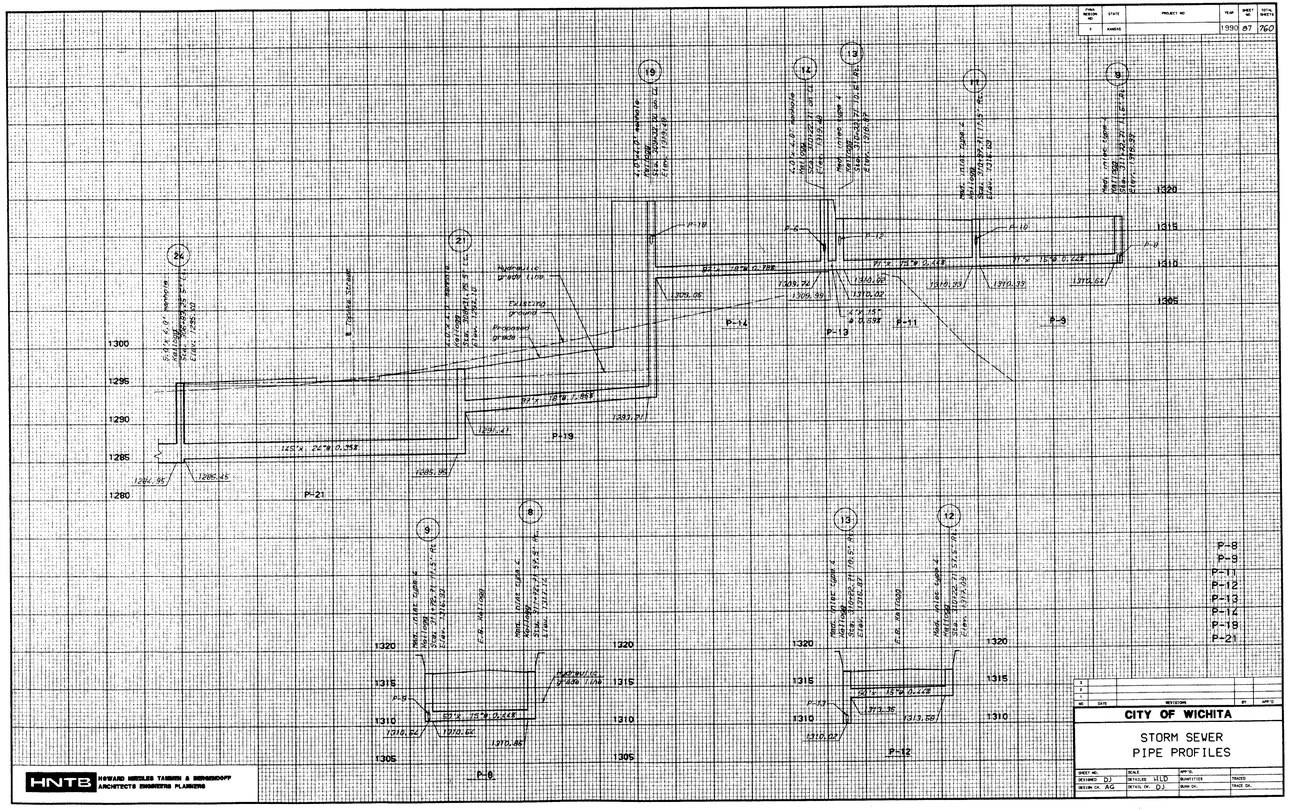
HNTB HOWARD NEEDLES TAMMEN & BERGENDOFF
ARCHITECTS ENGINEERS PLANNERS

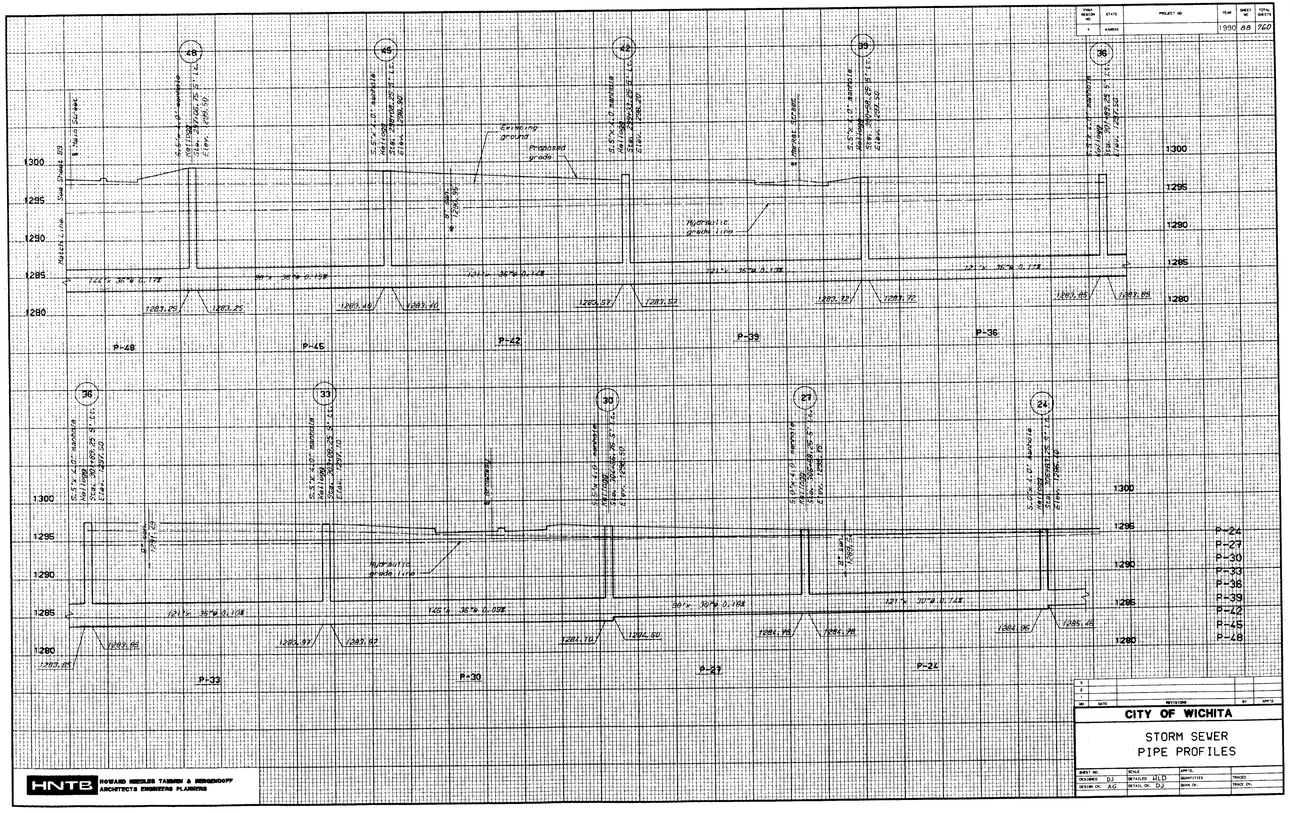
NO	DATE	REVISION	BY	APP'D
3				
2				
1				

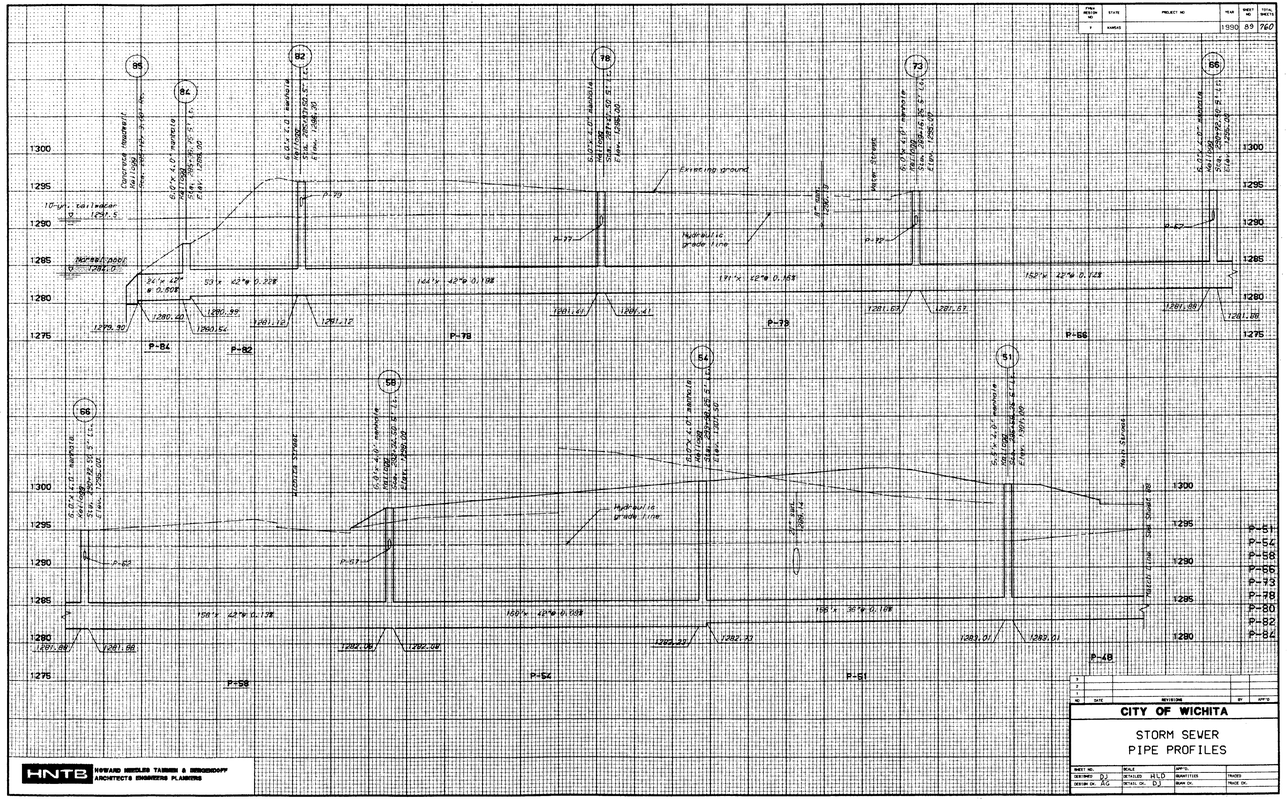
CITY OF WICHITA
DRAINAGE PLAN
KELLOGG
STA. 307+00 TO STA. 319+78.91

DESIGNED	DJ	DETAILED	HLD	QUANTITIES	TRACED
DESIGN CH.	AG	DETAIL CH.	DJ	SUBM. BY	ISSUE DA.

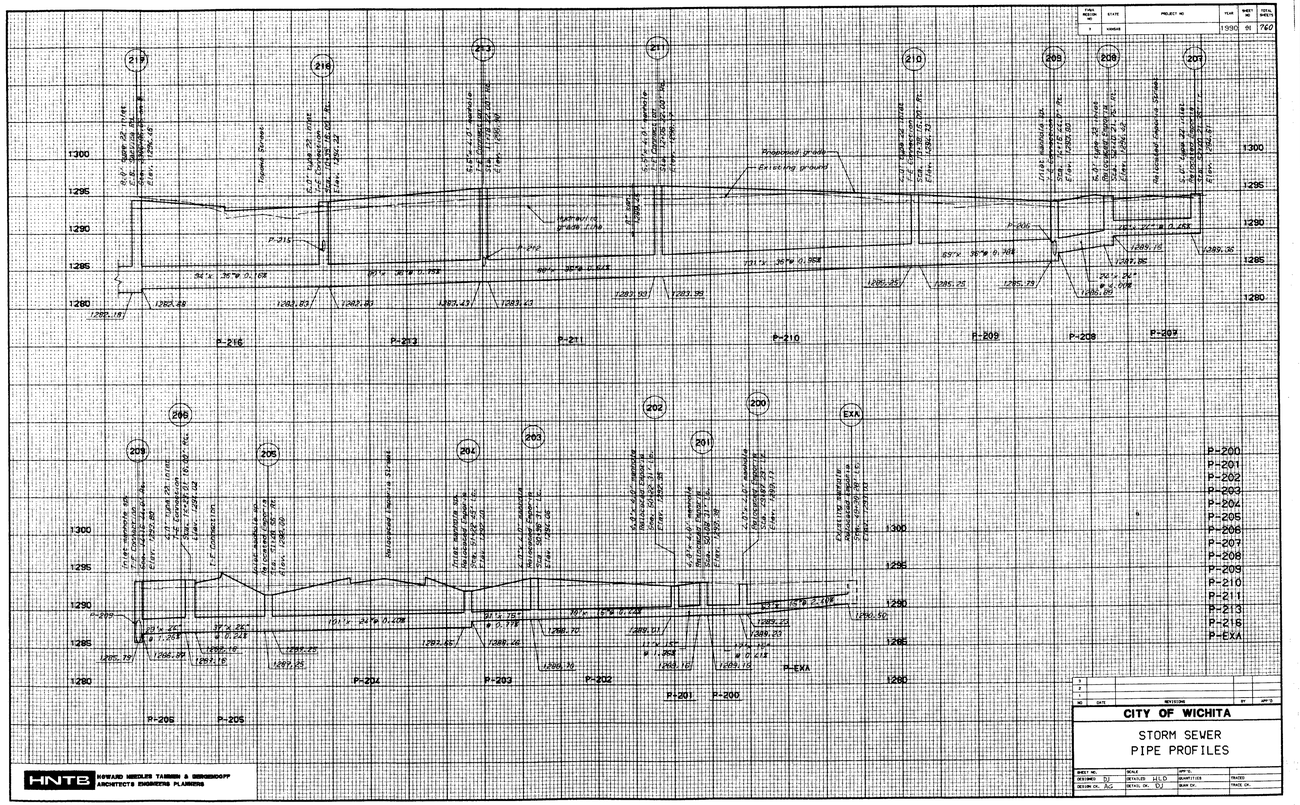

FINAL REVIEW NO.
STATE
PROJECT NO.
YEAR
SHEET NO.
TOTAL SHEETS
KANSAS
1990
84
760
P-1
P-2
P-3
P-4
P-5
P-15
P-16
P-17
P-18
P-19
CITY OF WICHITA
STORM SEWER
PIPE PROFILES
HNTB
HOWARD NEEDLES TAMMEN & BERGENDOFF
ARCHITECTS & ENGINEERS PLANNERS

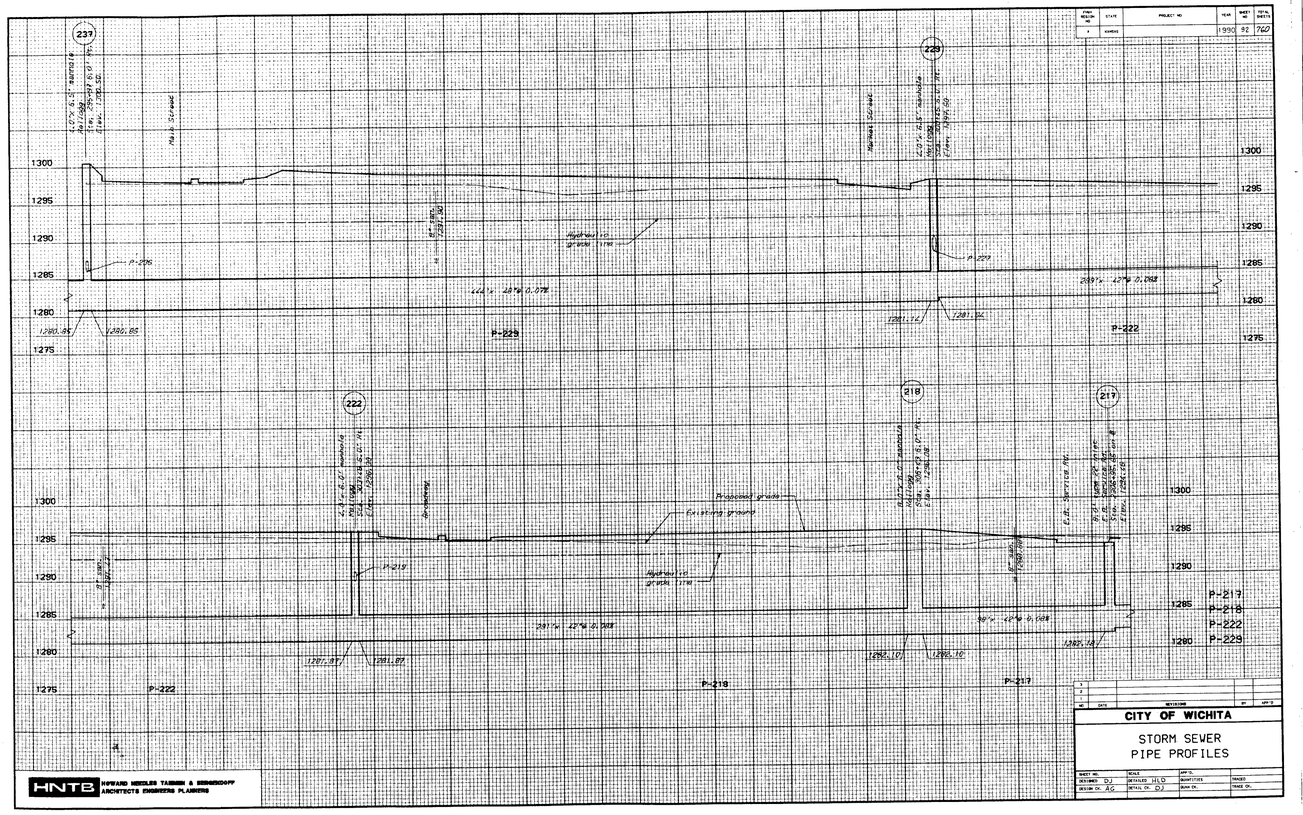

1300
1295
1290
1285
1280
1320
1315
1310
1305
P-21
P-19
P-14
P-11
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P-8
P-12
P-13
P-17
P-18
P-10
P-6
P-4
P-2
P-1
P-3
P-5
P-7
P-15
P-16
HNTB
HOWARD NEEDLES TAMMEN & BERGENDOFF
ARCHITECTS ENGINEERS PLANNERS
CITY OF WICHITA
STORM SEWER
PIPE PROFILES
STATE
KANSAS
PROJECT NO.
YEAR
1990
SHEET NO.
87
TOTAL SHEETS
760
REVISIONS
DESIGNED DJ
DETAILED WLD
QUANTITIES
CHECKED AG
DETAIL CK. DJ
SCALE
APPR'D.
TRACED
TRACE CK.

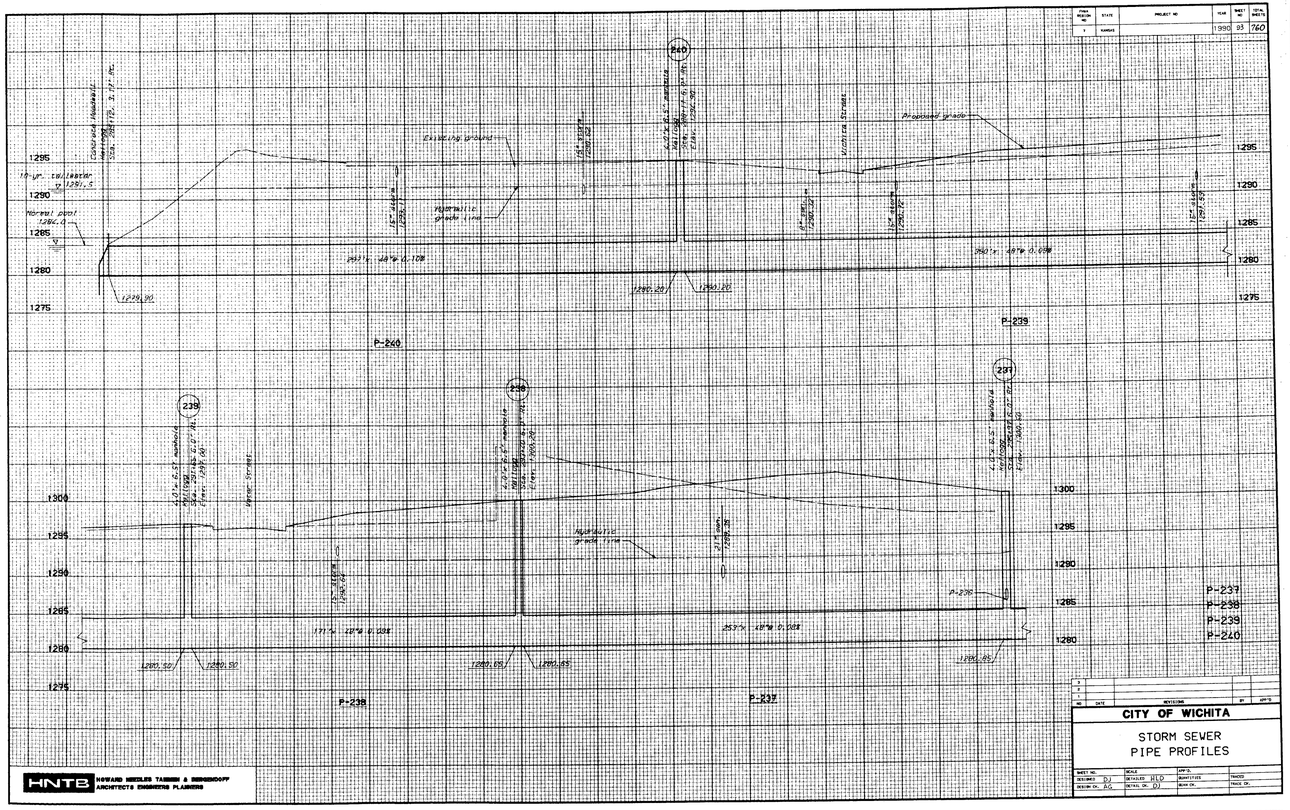

P-48
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P-39
P-36
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P-30
P-27
P-24
P-24
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P-30
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CITY OF WICHITA
STORM SEWER
PIPE PROFILES
HNTB
HOWARD NEEDLES TAMMEN & BERGENDOFF
ARCHITECTS ENGINEERS PLANNERS

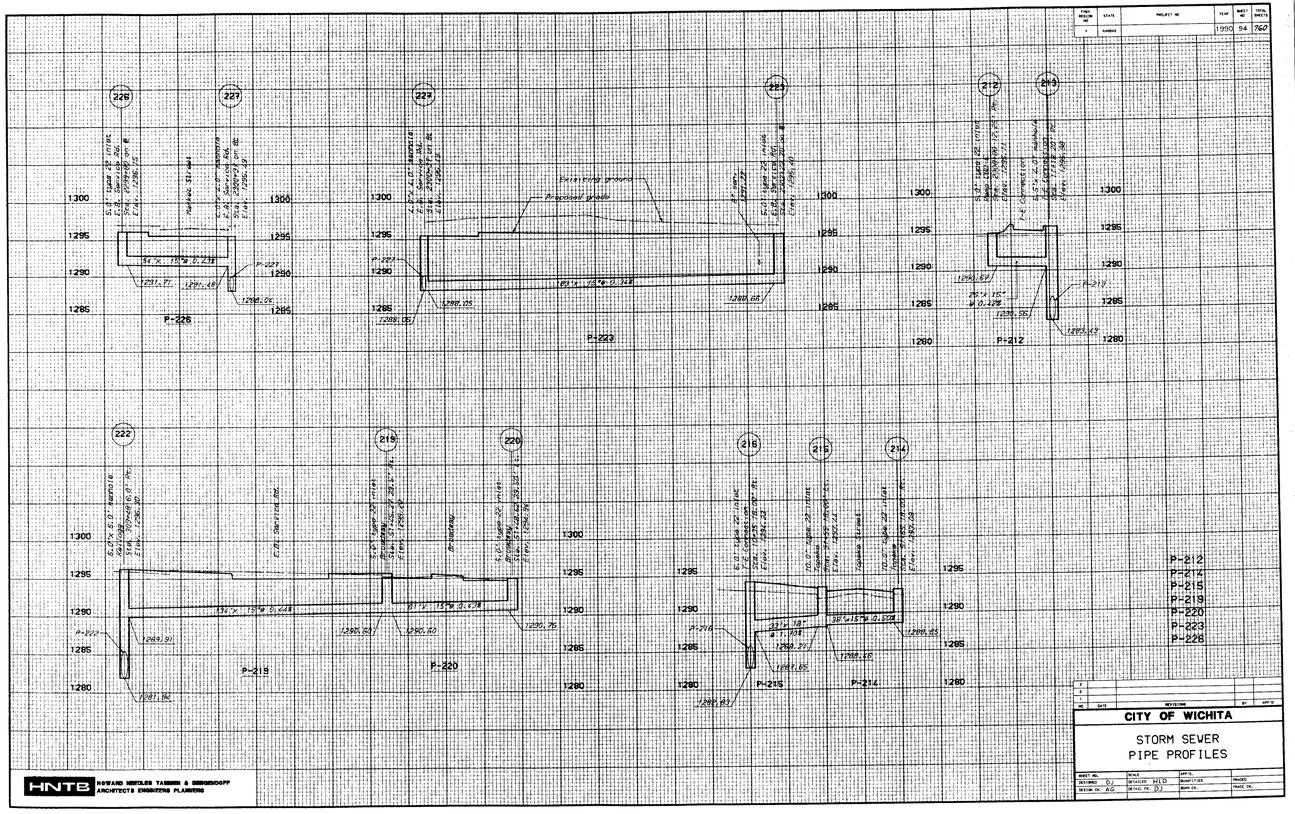

PROJ. REGION NO.
STATE
PROJECT NO.
YEAR
SHEET NO.
TOTAL SHEETS
7
KANSAS
1990
89
760
96
84
82
78
72
66
P-84
P-82
P-78
P-72
P-66
68
54
51
P-68
P-54
P-51
P-48
1300
1295
1290
1285
1280
1275
Existing Ground
Hydraulic grade line
Water Stream
Control Roadway
Elev. 1295.00
10-yr. Tailwater
Elev. 1291.0
Normal Depth
Elev. 1291.07
P-79
P-77
P-67
P-71
P-69
P-70
P-80
P-32
P-31
HNTB
HOWARD NEEDLES TAMMEN & BERGENDOFF
ARCHITECTS ENGINEERS PLANNERS
NO.
DATE
REVISIONS
BY
APP'D
CITY OF WICHITA
STORM SEWER
PIPE PROFILES
SHEET NO.
SCALE
APP'D
DESIGNED
DJ
DETAILED
MLD
SUBMITTED
TRACED
DESIGN CK.
ASC
DETAIL CK.
DJ
ITEM CK.
TRACE CK.

CITY OF WICHITA
STORM SEWER
PIPE PROFILES
HNTB


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P-210
P-209
P-208
P-207
P-205
P-204
P-203
P-202
P-201
P-200
P-EXA
P-205
P-205
P-201
P-202
P-203
P-204
P-205
P-208
P-207
P-208
P-209
P-210
P-211
P-213
P-216
P-EXA
CITY OF WICHITA
STORM SEWER
PIPE PROFILES
HNTB
HOWARD NEEDLES TAMMEN & BERGENDOFF
ARCHITECTS ENGINEERS PLANNERS


237
229
222
218
217
1300
1295
1290
1285
1280
1275
P-229
P-222
P-218
P-217
CITY OF WICHITA
STORM SEWER
PIPE PROFILES
HNTB
HOWARD NEEDLES TAMMEN & BERGENDOFF
ARCHITECTS ENGINEERS PLANNERS


240
239
238
237
Victoria Street
Proposed grade
Existing ground
P-239
P-240
P-238
P-237
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P-237
P-238
P-239
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CITY OF WICHITA
STORM SEWER
PIPE PROFILES
HNTB
HOWARD NEEDLES TAMMEN & BERGENDOFF
ARCHITECTS ENGINEERS PLANNERS



ADMIN. REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
4	KANSAS		1990	94	760

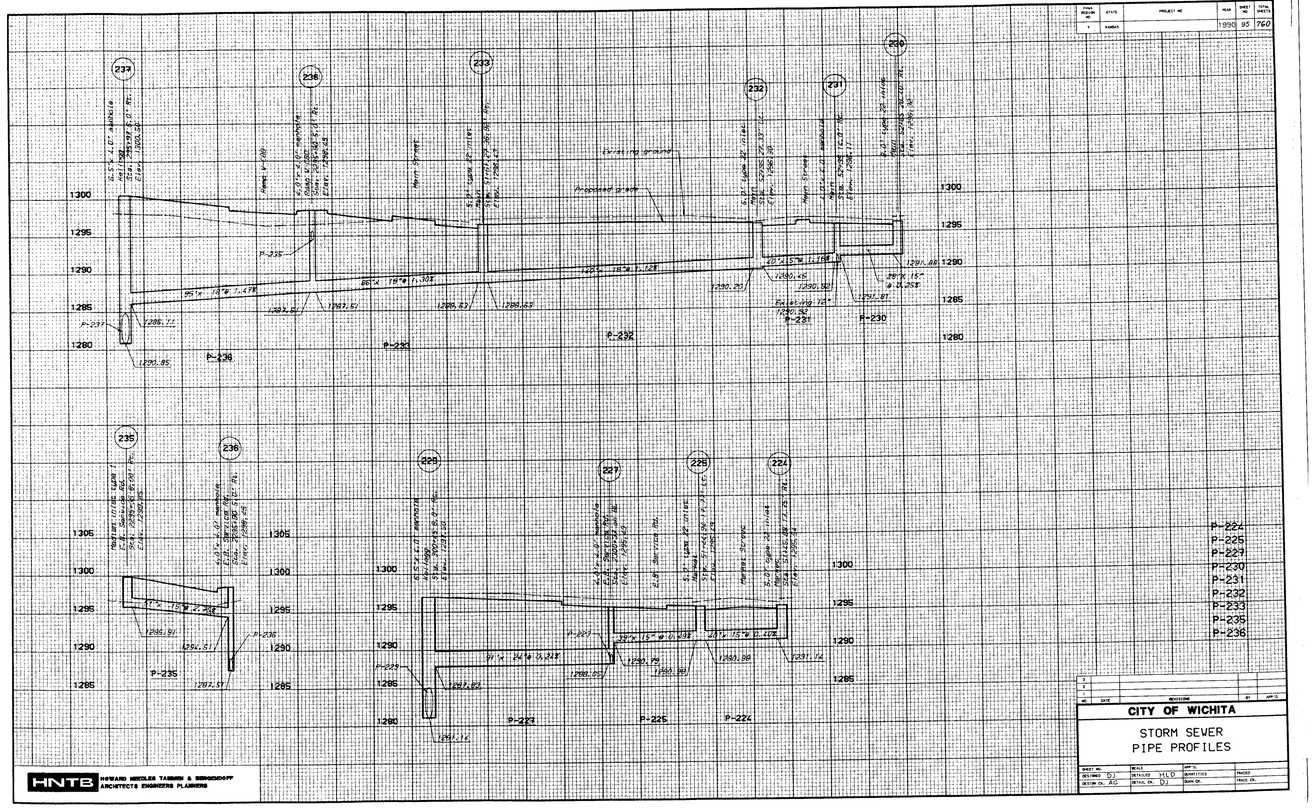
NO.	DATE	REVISIONS	BY	APP'D
1				
2				
3				

CITY OF WICHITA

STORM SEWER
PIPE PROFILES

SHEET NO.	SCALE:	DATE:	
DESIGNED DJ	DETAILED MLD	QUANTITIES	TRACED
DESIGN CH. AG	DETAIL CH. DJ	Bank Ck.	TRACE CK.

HNTB HOWARD NEEDLES TAMMEN & BERGENDOFF
ARCHITECTS ENGINEERS PLANNERS



PROJ. POSITION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
1	KANSAS		1990	95	760

P-224
P-225
P-229
P-230
P-231
P-232
P-233
P-235
P-236

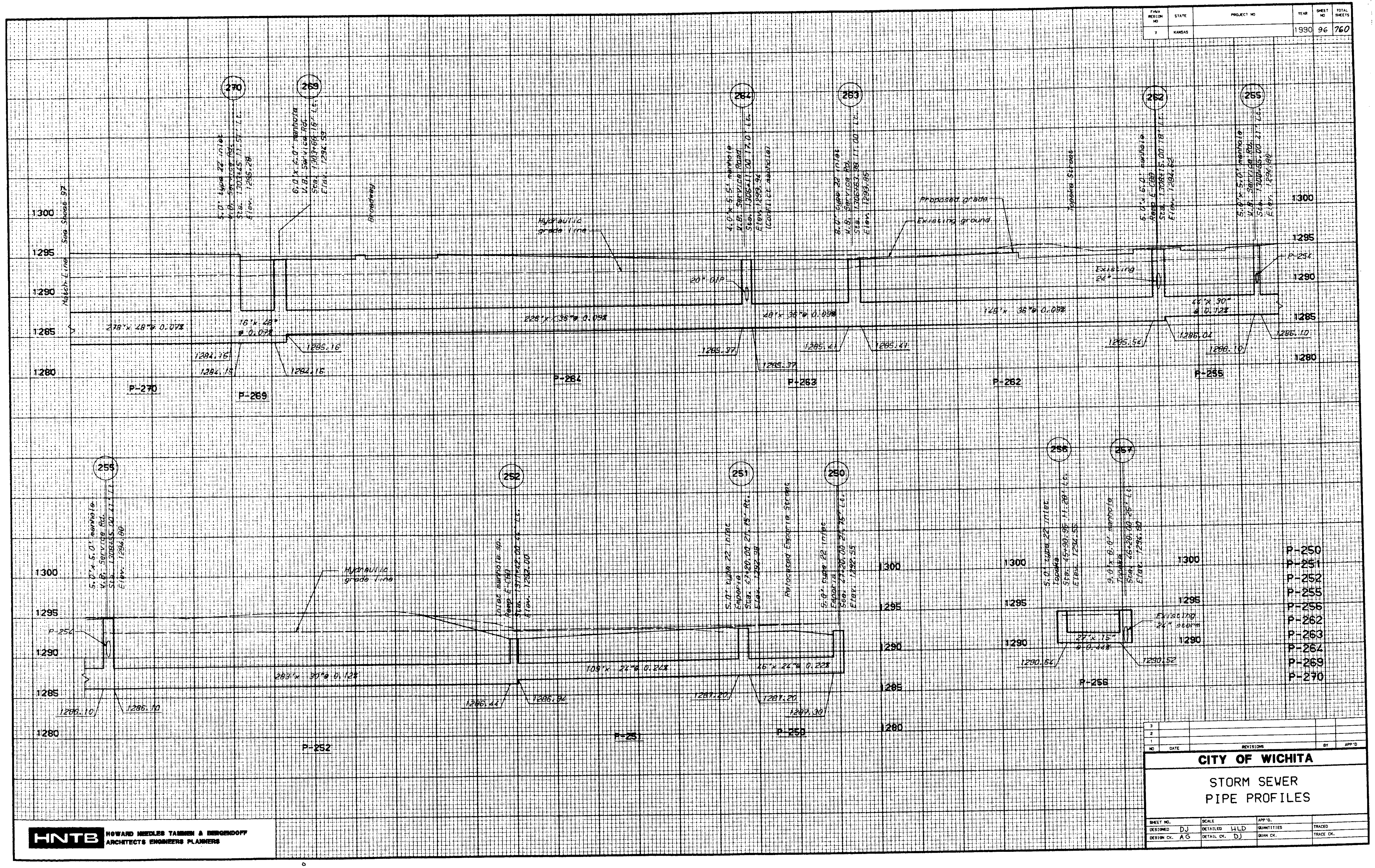
NO.	DATE	REVISIONS	BY	APP'D
1				
2				
3				

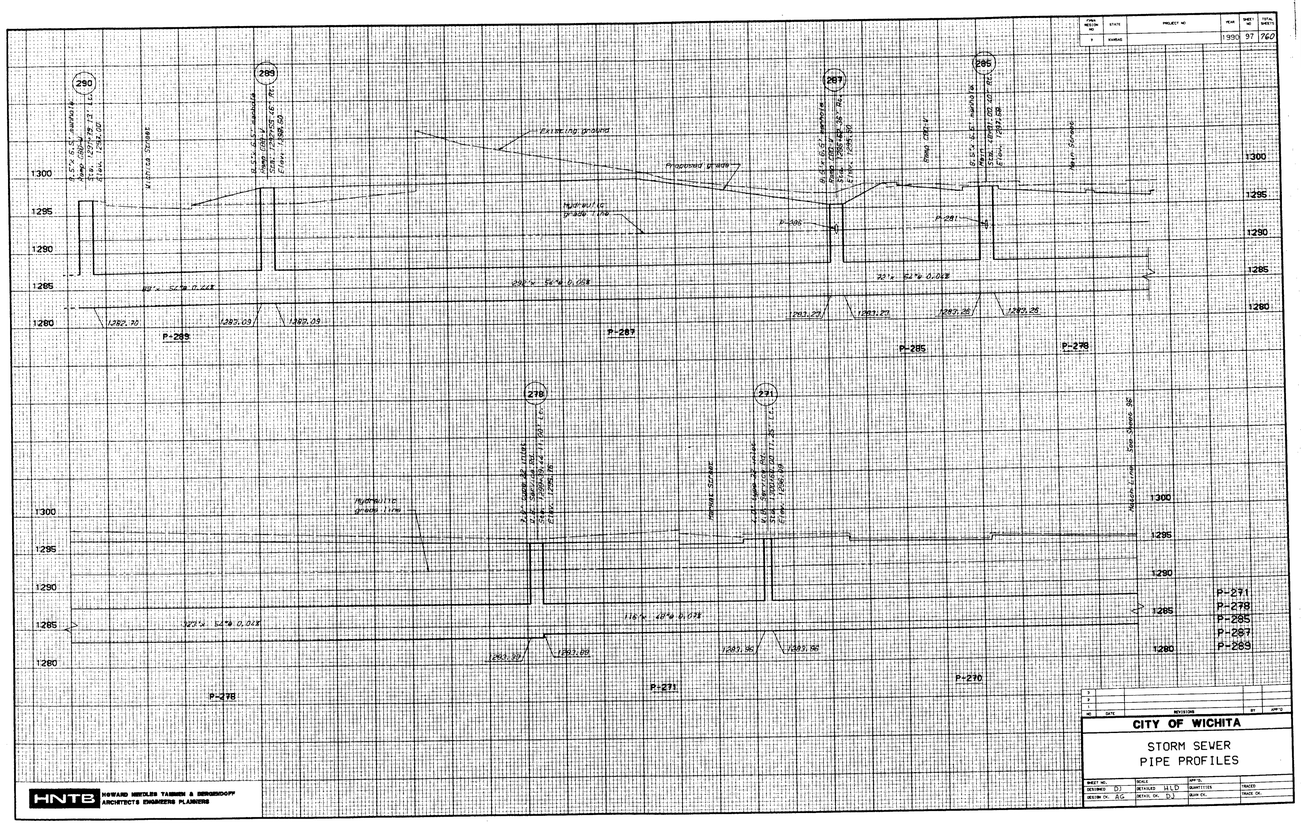
CITY OF WICHITA

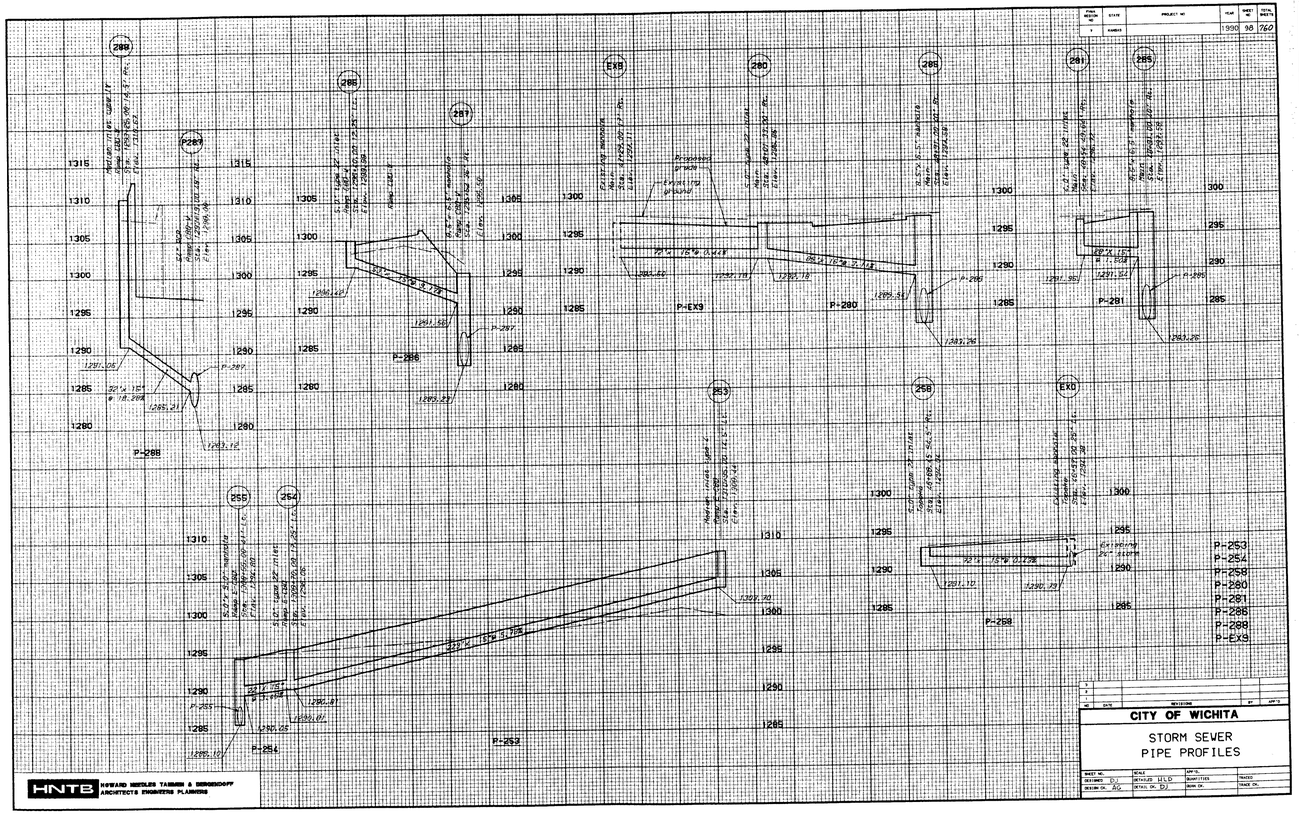
STORM SEWER
PIPE PROFILES

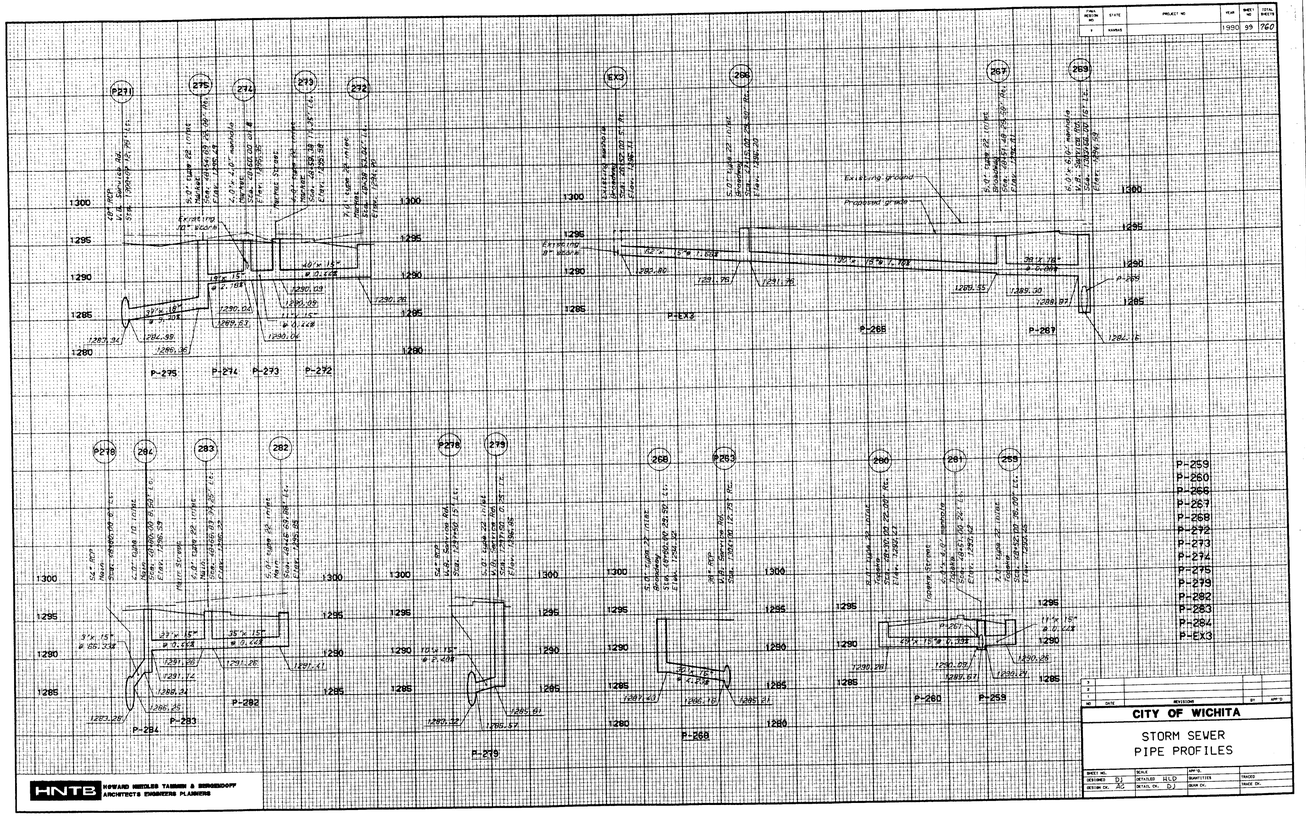
SHEET NO.	SCALE	APP'D.
DESIGNED DJ	DETAILED HLD	QUANTITIES
DETAILED HLD	DETAILED DJ	CHECKED DK
DESIGN CK. AG	CHECK CK.	TRACED

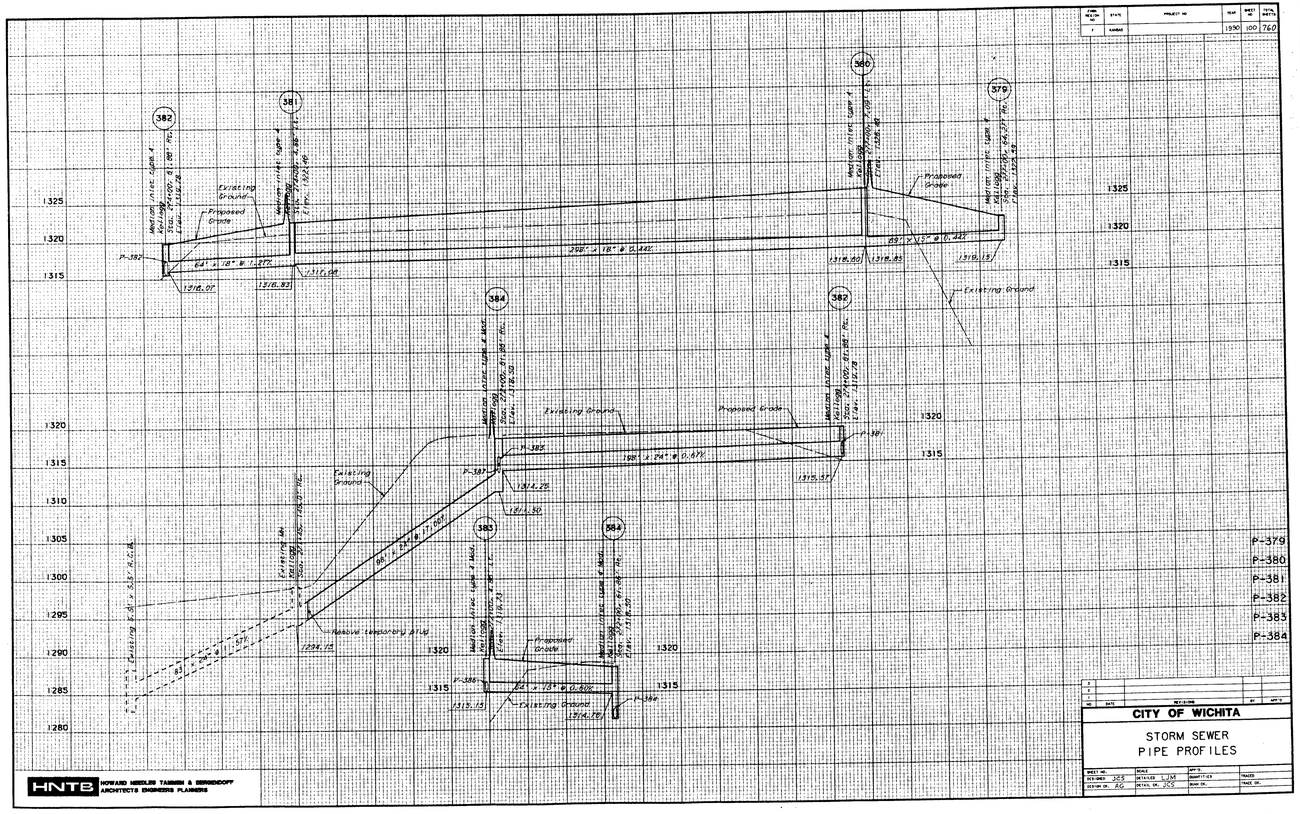
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ARCHITECTS ENGINEERS PLANNERS


FHWA REGION NO. 7
STATE KANSAS
PROJECT NO.
YEAR 1990
SHEET NO. 96
TOTAL SHEETS 760
5.0' type 22 inlet
W.B. Service Rd.
Sta. 1303+45.11.57' Lt.
Elev. 1295.28
6.0' x 4.0' manhole
W.B. Service Rd.
Sta. 1303+66.18' Lt.
Elev. 1292.59
Broadway
Hydraulic grade line
4.0' x 5.5' manhole
W.B. Service Road
Sta. 1306+11.00 17.0' Lt.
Elev. 1293.94
(Conflict manhole)
8.0' type 22 inlet
W.B. Service Rd.
Sta. 1306+83.98 11.00' Lt.
Elev. 1293.85
Proposed grade
Existing ground
Topeka Street
6.0' x 6.0' manhole
Ramp E-CBD
Sta. 1308+15.00 18' Lt.
Elev. 1294.62
5.0' x 5.0' manhole
W.B. Service Rd.
Sta. 1308+55.00 21' Lt.
Elev. 1294.80
Match Line See Sheet 97
278' x 48" @ 0.07%
76' x 48" @ 0.07%
228' x 36" @ 0.09%
20" DIP
48' x 36" @ 0.09%
149' x 36" @ 0.09%
Existing 24"
44' x 30" @ 0.72%
P-254
1284.15
1284.15
1285.16
1284.15
1285.37
1285.37
1285.41
1285.41
1285.54
1286.04
1286.10
1286.10
P-270
P-269
P-264
P-263
P-262
P-255
1300
1295
1290
1285
1280
5.0' x 5.0' manhole
W.B. Service Rd.
Sta. 1308+55.00 21' Lt.
Elev. 1294.80
Inlet manhole sp.
Ramp E-CBD
Sta. 1311+42.00 42' Lt.
Elev. 1292.00
5.0' type 22 inlet
Emporia
Sta. 47+20.00 21.75' Rt.
Elev. 1292.98
Relocated Emporia Street
5.0' type 22 inlet
Emporia
Sta. 47+20.00 21.75' Lt.
Elev. 1292.55
283' x 30" @ 0.12%
108' x 24" @ 0.24%
16' x 24" @ 0.22%
1286.10
1286.10
1286.44
1286.94
1287.20
1287.20
1287.30
P-252
P-251
P-250
5.0' type 22 inlet
Topeka
Sta. 45+90.95 11.28' Lt.
Elev. 1292.55
9.0' x 8.0' manhole
Topeka
Sta. 46+20.00 25' Lt.
Elev. 1294.00
27' x 15" @ 0.44%
Existing 24" storm
1290.64
1290.52
P-256
P-250
P-251
P-252
P-255
P-256
P-262
P-263
P-264
P-269
P-270
NO. DATE REVISIONS BY APP'D
CITY OF WICHITA
STORM SEWER
PIPE PROFILES
SHEET NO.
DESIGNED DJ
DESIGN CK. AG
SCALE
DETAILED HLD
DETAIL CK. DJ
APP'D.
QUANTITIES
QUAN CK.
TRACED
TRACE CK.
HNTB
HOWARD NEEDLES TAMMEN & BERGENDOFF
ARCHITECTS ENGINEERS PLANNERS


290
289
285
287
Existing ground
Proposed grade
Wichita Street
Main Street
1300
1295
1290
1285
1280
P-289
P-287
P-285
P-283
P-278
278
271
P-271
P-270
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HOWARD NEEDLES TAMMEN & BERGENDOFF
ARCHITECTS ENGINEERS PLANNERS
CITY OF WICHITA
STORM SEWER
PIPE PROFILES
1993
97
760


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P-281
P-285
P-288
P-EX9
CITY OF WICHITA
STORM SEWER
PIPE PROFILES
HNTB
HOWARD NEEDLES TAMMEN & BERGENDOFF
ARCHITECTS ENGINEERS PLANNERS


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P-260
P-265
P-267
P-268
P-272
P-273
P-274
P-275
P-279
P-282
P-283
P-284
P-EX3
CITY OF WICHITA
STORM SEWER
PIPE PROFILES
HNTB
HOWARD NEEDLES TAMMEN & BERGENDOFF
ARCHITECTS ENGINEERS PLANNERS


382
381
380
579
384
383
582
Manhole Inlet Type A
Existing Ground
Proposed Grade
Remove Temporary Berm
Existing 54" R.C.P.
1325
1320
1315
1310
1305
1300
1295
1290
1285
1280
P-379
P-380
P-381
P-382
P-383
P-384
HNTB
HOWARD NEEDLES TAMMEN & BERGENDOFF
ARCHITECTS ENGINEERS PLANNERS
CITY OF WICHITA
STORM SEWER
PIPE PROFILES