SCALE: 1" = 20'

STA. 11+50

I-135 (SOUTHBOUND) OVERHEAD

EXIST. 36" SAN. SEWER

EXIST. 20" WATER

RAISE INLET TOP 1'-0"

INLET ELEV. OK

TOP OF 3:1 SLOPE

RAISE INLET TOP 6"

RAISE INLET TOP 10"

42" STORM (B-131) (ST. LATERAL)

EXIST. W.V.

22' WIDE N.A.G. C-350 EROSION MAT (TYPICAL)

3:1

PILOT CHANNEL

FLOW

BASELINE

12+00

13+00

14+00

15+00

16+00

17+00

REMOVE 36 L.F. EXIST. 48" PIPE FROM OUTLET TO MANHOLE AND INSTALL 52 L.F. OF 38"x60" HERCP W/END SECTION @ 1.23% SLOPE (CONTRACTOR SHALL VERIFY FIT)
FL. OUTLET = 94.82
FL. MANHOLE = 95.54
(BEGIN END SECTION 0.5' ONTO GABION BASKET)
(SEE DETAIL SHT. 5)

1ST STREET NORTH

EXIST. 36" SAN. SEWER

EXIST. 20" WATER

18"

STA. 17+50

I-135 (SOUTHBOUND) OVERHEAD

LOW CHORD ~ 110.5

ABUTMENT

TRANSITION AREA

6" THICK CONCRETE SLOPE PAVING

PIER

BM #4

20' WIDE x 6" DEEP 'V' CONCRETE SWALE

70' WIDE N.A.G. C-350 EROSION MAT (TYPICAL)

NEW GRASSED ACCESS ROAD

EXIST. 54" RCP SAN. SEWER

INLET ELEV. OK

REMOVE INLET & TIE INTO M.H. (SEE SHT. 26)

8" CLAY TILE DRAIN

ADJUST TO MATCH PROPOSED SLOPE

I-135 (NORTHBOUND) OVERHEAD

LOW CHORD ~ 111.0

CONSTRUCT CONC. APRON W/ WINGWALLS MATCHING CHANNEL SIDE SLOPE (SEE DETAIL SHT. 29)

CONST. 60" STORM SEWER (C-20)

8" WATER LINE ON NORTH SIDE BRIDGE

REMOVE 28 L.F. OF EXIST. 60" PIPE, PLUS MANHOLE. INSTALL 28 L.F. OF 60" RCP @ 0.14%
CONST. SPEC. REINF. CONC. MANHOLE W=6'-4", L=8'-0"
MANHOLE TOP = 111.25
FL. OUT – MANHOLE = 95.03
FL. IN – MANHOLE ≈ 101.0
FL. OUT = 94.99

NOTE:
ALL AREAS DISTURBED, BEYOND AREA COVERED BY EROSION MAT, SHALL BE FERTILIZED, SEEDED AND MULCHED.

MID-KANSAS ENGINEERING CONSULTANTS, INC.
411 N. WEBB ROAD
WICHITA, KS. 67206
316-684-9600

AREA "K" PART 2 - PHASE 1
PROJECT NAME

WICHITA DRAINAGE CANAL PLAN
SHEET TITLE

JNJ	MLW	JNJ
DESIGN BY:	DRAWN BY:	CHECKED BY:
MAY 1999	94011	6 / 64
DATE	JOB NO.	SHEET/OF

G:\CIVIL\AREAK\94011\PLANS\94011D3.DWG Tue May 25 08:36:01 1999
G:\CIVIL\AREAK\94011\PLANS\94011D3.DWG 5-25-99 8:35:55 am CDST