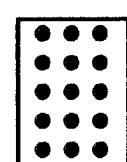


REMOVE 34 L.F. OF EXIST. 48" RCP
FROM MANHOLE TO OUTLET AND
INSTALL 54 L.F. OF 38"x60" HERCP
WITH END SECTION (CONTRACTOR
SHALL VERIFY FIT)
FL. OUTLET = 96.44 (PIPE ON TOP
OF GABION. END SECTION 0.5'
ONTO GABION.) (SEE DTL. SHT. 5)
FL. MANHOLE = EXIST. (~ 96.56)

CONST. CONC. APRON
W/WINGWALLS MATCHING
CHANNEL SIDE SLOPE
(SEE DETAIL - SHT. 30)

CAUTION!!!
SOUTHWESTERN BELL TELEPHONE
3x5 CONDUIT IN CONCRETE



CONTRACTOR SHALL VERIFY
LOCATION AND DEPTH BY
PROBING DURING CONSTRUCTION.
IF CONFLICT DEVELOPS,
CONTRACTOR SHALL CONTACT
S.W.B., IMMEDIATELY.

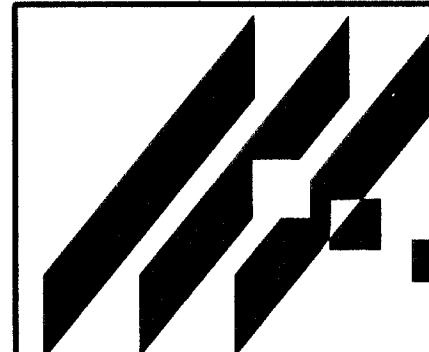
REMOVE 16 L.F. OF EXIST. 48"
PIPE AND EXISTING MANHOLE
INSTALL 16 L.F. OF 48" RCP
FL. OUT = 96.53
AND REINF. SPEC. CONC. M.H.
W=6'-0", L=7'-0"
MANHOLE TOP = 108.9
FL. OUT M.H. = 96.56 (48" W.)
FL. IN = 103.61 (48" E.)
FL. IN = 101.46 (18" S.)
FL. IN = 106.6 (12" N.)
(ADJUST PIPE)

REMOVE EXIST. MANHOLE
CONST. TYPE "P" MANHOLE (4') ON TOP OF
EXIST. 18" STORM SEWER.
INSTALL 46 L.F. OF 18" RCP @ 0.32%
W/END SECTION & CONCRETE TOEWALL
W=2', D=4', L=6'
FL. OUT (18") = 96.43
FL. OUT (M.H.) = 96.58
FL. IN (M.H.) = EXIST 18"
M.H. TOP = 112.5
(END OF END SECTION SHALL BE AT
BEGINNING OF 3:1 SIDE SLOPE).
PLACE EROSION MAT BETWEEN TOEWALL
AND END SECTION (SEE DETAIL - SHT. 3).

15' WIDE x 40' LONG OUTFALL PROTECTION.
USE 'PYRAMAT' EROSION CONTROL MATRIX
OVER 6" DEEP 'V' DITCH, 10' WIDE.
(SEE DETAIL - SHT. 3).

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

REMOVE 42 L.F. OF EXIST.
24" PIPE PLUS ONE MANHOLE
AND INSTALL 44 L.F. OF 24"
RCP PLUS NEW MANHOLE TYPE 'P' (5')
FL. OUT (24") = 96.62
WITH CONCRETE TOEWALL
W=2', D=4', L=8'
FL. OUT (M.H.) = 97.50
FL. IN (M.H.) = EXIST. 24" (~105.0)
M.H. TOP = 112.00
(END OF END SECTION SHALL BE
AT BEGINNING OF 3:1 SIDE SLOPE.)
PLACE EROSION MAT BETWEEN
TOEWALL AND END SECTION
(SEE DETAIL - SHT. 3).



**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

<i>JNJ</i>	<i>MLW</i>	<i>JNJ</i>
DESIGN BY:	DRAWN BY:	CHECKED BY:
<i>MAY 1999</i>	<i>94011</i>	<i>12 / 64</i>
DATE	JOB NO.	SHEET/OF