CUT FRONT AND BACK OF GABION BASKET TO OUTSIDE OF PIPE

GABION BASKET TOP OVER PIPE

24" RCP

3'x3' GABION

3'x4.5' GABION

PILOT CHANNEL SIDE

(TYPICAL)

STA 74+50.9, 52.4' LT
REMOVE 22 LF OF EXIST. 24" PIPE AND WINGWALLS FROM OUTLET TO MANHOLE.
REMOVE 9 LF OF EXIST. 12" PIPE FROM MANHOLE TO INLET TO WEST.
INSTALL 33 LF OF 24" RCP
FL OUT =99.80 (END OF PIPE FLUSH WITH TOP ROW GABION FACE; TOP PIPE FLUSH WITH TO OF GABION (SEE DETAIL THIS SHEET)).
INSTALL 10 LF OF 12" RCP.
FL OUT-INLET=113.04
FL IN-MANHOLE=109.00
LOWER TOP OF EXIST. MANHOLE FROM 116.92 TO 112.05
EXIST. FL IN=109.52(15" NNW)
FL IN=107.92(15" SSW)
FL OUT=103.42(24" E)
NEW FL IN=109.00(12" W)

SCALE: 1" = 20'

STA. 77+42, 43' LT
INSTALL 3x3 GABION BASKETS ON GEOTEXTILE FILTER FABRIC AS REQ'D. FOR GRADE BREAK
TOP EL=~117.0
BOTTOM EL=~114.0

I-135 (SOUTHBOUND) OVERHEAD

STA. 71+50

STA. 77+50

INLET ELEV. OK

EXIST. 36" SAN. SEWER

TRANSITION AREA

~33.7 LF WIDE AMERICAN EXCELSIOR ENFORCER II (TYPICAL)

RIPRAP

3:1

PILOT CHANNEL BASELINE

72+00 73+00 74+00 75+00 76+00 77+00

~78.4 LF WIDE AMERICAN EXCELSIOR ENFORCER II (TYPICAL)

CONC. PAD

ABUTMENT

PIER

6" THICK CONCRETE SLOPE PAVING

NEW GRASSED I ENFORCER II ACCESS ROAD

EXIST. 54" SAN. SEWER

I-135 (NORTHBOUND) OVERHEAD

REMOVE INLET AND TIE OVERHEAD DRAIN PIPE INTO ADJACENT INLET. SEE SH. 21

EXIST. 4'x4' RCB

NORTH STREET

11TH

STA. 77+15, 72' LT
INSTALL 3x3 GABION BASKETS ON GEOTEXTILE FILTER FABRIC AS REQ'D. FOR GRADE BREAK
TOP EL=~117.0
BOTTOM EL=~114.0

STA. 73+97.0, 3.0' RT
15' WIDE x 40' LONG OUTFALL PROTECTION. USE 'PYRAMAT' EROSION CONTROL MATRIX OVER 'V' DITCH, 10' WIDE x6" DEEP (SEE DETAIL BELOW)

5' 10' 'V' DITCH 5' 1' OVERLAP 6" 1' 1'

6' WIDE PYRAMAT 12' WIDE PYRAMAT

24" END SECTION

PYRAMAT 1' 4' CONC. TOEWALL 2'

STA. 73+96.4, 42.0' RT
REMOVE 36 LF OF EXIST. 24" PIPE AND WINGWALL FROM OUTLET TO MANHOLE.
INSTALL 34 LF OF 24" RCP W/ END SECTION FL OUT =99.29 (END OF END SECTION SHALL BE AT BEGINNING OF 3:1 SIDE SLOPE). W/ CONC. TOEWALL W=2',D=4',L=8' (PLACE EROSION MAT BETWEEN TOEWALL AND END SECTION (SEE DETAIL @ SIDE)).
LOWER TOP OF EXIST. MANHOLE FROM 116.14 TO 111.45
EXIST. FL IN=108.04(15" E)
FL IN=108.14(15" S)
FL IN=108.64(12" NNE)
FL OUT=103.04(24" W)

STA. 77+13.2, 14.2' RT
20' WIDE x 6" DEEP 'V' CONCRETE SWALE.

STA. 77+16.8, 52.7' RT
CONSTRUCT CONC. HEADWALL, APRON, WITH WINGWALLS MATCHING CHANNEL SIDE SLOPE (SEE DETAIL - SH. 24)

STA. 77+18.0, 66.1' RT
REMOVE 6 LF OF 4x4 RCB
CONSTRUCT 5'x5'-6" DROP STRUCTURE SEE DETAIL SHEET 18.
TOP=111.0
FL IN=105.2
FL OUT=99.75
INSTALL 16 LF 4x4 RCB
FL AT HEADWALL=95.51

MKEC
ENGINEERING CONSULTANTS
411 N. WEBB ROAD
WICHITA, KS. 67206
316-684-9600

AREA "K" PART 2 - PHASE 2
WICHITA DRAINAGE CANAL
PROJECT NAME

WICHITA DRAINAGE CANAL PLAN
SHEET TITLE

JNJ	RSB	TKM
DESIGN BY:	DRAWN BY:	CHECKED BY:
JAN. 2001	94011	5 / 47
DATE	JOB NO.	SHEET/OF

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