SECTION 34 T21N R12W

SECTION 27 T21N R12W

SECTION 35 T21N R12W

SECTION 26 T21N R12W

CL STA. 99+00.00
BEGIN J/P NO. 28348(04)
X=1832268.3142
Y=459150.5584

CL STA. 106+00.00
END J/P NO. 28348(04)
X=1832265.9995
Y=459850.5545

97+49

100+00

105+00

106+98

99+70.78 TEL, RISER–61.82' LT.
99+70.82 P.P.–67.14' LT.
B.M. 501

100+01.42 BEGIN EXISTING BRIDGE

100+27.37 TEL, RISER–10.13' LT.
100+36.76 P.P.–50.20' LT.
100+42.43 G.W.–39.65' LT.
100+47.94 G.W.–39.78' LT.
100+71.20 P.P.–39.37' LT.

102+92.66 P.P.–37.11' LT.
104+45.72
137.28' LT.
103+61.54 SIGN–18.49' LT.
103+64.33 SIGN–55.21' LT.
104+14.36 SIGN–2.96' LT.
104+82.06 P.P.–34.58' LT.

97+92.98 P.P.–31.08' RT.

98+79.19 G.W.–49.32' RT.
99+23.66 P.P.–32.65' RT.
99+30.93 ELE. BOX–30.77' RT.
99+31.48 P.P.–33.53' RT.
99+43.93 G.W.–32.44' RT.
99+50.00 WATER LINE X–ING
99+51.96 SIGN–20.98' RT.
99+67.53 P.P.–33.70' RT.
99+84.86 G.W.–74.44' RT.
99+65.00 G.W.–57.34' RT.
99+65.51 G.W.–65.89' RT.

EW–52

PI 100+00.00
X=1832267.7600
Y=459251.5600

100+35.17 P.P.–106.64' RT.
100+35.63 G.W.–89.53' RT.
100+27.45 SIGN–1.89' RT.

104+78.58 SIGN–19.64' RT.

105+34.91 SIGN–25.02' RT.

B.M. 500

SAND CREEK

R/W

CL N32°37'18"E

Ex R/W

CL N89°49'17"E

105+00.00
28.67' LT.

1.0

STA. 105+65.00
CONST. 30' FIELD ENT
W/ T.B.S.C.

STA. 100+00.00
CONST. 22' SEC. LINE
RETURN 147.70' LT. W/
SUPERPAVE. TIE IN
FLUSH WITH EX. BRIDGE
DECK.

GRADE DITCH TO DRAIN
TO THE WEST

TOE OF SLOPE

S.L. N00°00'40"E

33' R/W

CL N00°15'16"W

CL N00°10'43"W

204+44

NS–255

S.L. N00°19'06"E

TEMP R/W

STA. 104+43.37 =
STA. 204+44.33

2.0

+32.60
30.29 RT.

+00
37.34' RT.

+50
53.90' RT.

TOP OF CUT

STA. 104+82.00
CONST. 20' FIELD ENT
W/ T.B.S.C.

GRADE DITCH TO DRAIN
TO THE EAST

STA. 100+01.00
CONST. 22' SEC. LINE RETURN
100' RT. W/ SUPERPAVE

NOTE: CONTRACTOR SHALL MEET &
MATCH EXISTING ROADWAY & DITCHES
AT BEG. & END OF PROJECT.

R/W IS DIMENSIONED FROM
THE NS–255 ALIGNMENT.

BENCHMARK NO. 501	
1/2" IRON PIN	162.29 FT. LT.
STA. 99+43.66	ELEV. 1278.409
X=1832105.8320	Y=459193.5020
BENCHMARK NO. 500	
1/2" IRON PIN	63.52 FT. LT.
STA. 100+56.73	ELEV. 1275.330
X=1832204.1710	Y=459307.1210

BRIDGE 'A' CENTERLINE STA.
102+50.00 CONST. 50'–50'–50'
TYPE II P.C.B. SPAN; 30° SKEW R.F.
W/ 26'–0" CL. ROADWAY
W/ TR3 CONCRETE TRAFFIC RAILS

STR. NO. 1
STA. 105+65.00, 22' LT.
CONST. 21"X15"X60' LG. CGSPA
W/ A4 CET

BEGIN BRIDGE STA. 101+72.39
F.G. ELEV. 1277.80

155'–2 ⅝"

END BRIDGE STA. 103+27.61
F.G. ELEV. 1277.80

100' V.C.
K = 478.67

100' V.C.
K = 142.38

FINISHED GRADE

0.21%

0.00%

–0.70%

EX. GROUND

GRADING ESTIMATE	
EMBANKMENT +20%	2,763.00 C.Y.
UNCL. EXCAVAION	1,232.00 C.Y.
MISC.EARTHWORK	153.00 C.Y.
UNCLASSIFIED BORROW	1,684.00 C.Y.

VPC STA. 100+65.40
VPC EL. 1277.70

VPI STA. 101+15.40
VPI ELEV. 1277.80

VPT STA. 101+65.40
VPT EL. 1277.80

VPC STA. 103+54.51
VPC EL. 1277.80

VPI STA. 104+04.51
VPI ELEV. 1277.80

VPT STA. 104+54.51
VPT EL. 1277.45

HYDRAULIC DATA
D.A. = 21.51 SQ. MI.
SCS CONTROLLED D.A. = 0.00 SQ. MI.
EFFECTIVE DRAINAGE AREA = 21.51 SQ. MI.
Q25 = 5,560.00 C.F.S.
V25 = 8.37 F.P.S.
Q25 CALC. B.W. 1,273.59 FT.
Q50 = 7,330.00 C.F.S.
V50 = 9.28 F.P.S.
Q50 = CALC. B.W. 1,274.85 FT.
Q100 = 9,340.00 C.F.S.
V100 = 10.83 F.P.S.
Q100 = CALC. B.W. 1,276.26 FT.
Q0.T. = 15,300.00 C.F.S.
OVERTOPPING ELEV. (LOW) = 1,277.52 FT.
V0.T. (BRIDGE) = 15.18 F.P.S.
EXTREME HIGHWATER ON RECORD = N/A
MAXIMUM SCOUR DEPTH = 27.85 FT.

1278.50 1277.35 1277.35 1277.56 1277.44 1277.76 1271.95 1277.80 1270.98 1277.80 1271.85 1277.73 1274.93 1277.13 1277.06 1276.43 1276.48

1295 1290 1285 1280 1275 1270 1265 1260 1255 1250

96+00 97+00 98+00 99+00 100+00 101+00 102+00 103+00 104+00 105+00 106+00 107+00 108+00

MAJOR CO.– SAND CR.

CED 8

STATE/JOB NO. 28348(04)

SHEET NO. R003