PROJECT REFERENCE NO.	SHEET NO.
U-5776	EC-4/CONST.4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

TGS ENGINEERS
804-C N. LAFAYETTE ST
SHELBY, NC 28150
PH (704) 476-0003
CORP. LICENSE NO.: C-0275

NAD 83/2011

BEGIN CONSTRUCTION
-Y1- STA. 10+45.00

BEGIN PROJECT U-5776
-L- STA. 11+90.00

NOTE: CONTRACTOR IS RESPONSIBLE FOR THE RELOCATION OF ALL MAILBOXES ON THE PROJECT.

BEGIN CONSTRUCTION
-Y2- STA. 11+00.00

END PROJECT U-5776
-L- STA. 23+91.30

END CONSTRUCTION
-Y1- STA. 17+00.00

END CONSTRUCTION
-DR- STA. 10+76.57

END CONSTRUCTION
-L- STA. 23+58.30

END CONSTRUCTION
-Y2- STA. 21+45.00

MATCHLINE STA. -Y2- STA. 20+85.00 SEE THIS SHEET

MATCHLINE STA. -Y2- 20+85.00 SEE INSET 'A'

INSET 'A'

1	DAVID H. JUSTICE JEAN M. JUSTICE
2	HARVEST COMPANY, LLC
3	RONALD EVANS TURNER
4	ZACK EDWARDS
5	STEVE WAYNE CANNON
6	SCOTT A. COOK EMILY B. COOK

FABRIC INSERT INLET PROTECTION DEVICE LOW FLOW

TIE INTO EXIST. 15" RCP

PROP. 12' TURNOUT

TIE TO EXIST +14.68, 16.68'RT

REMOVE 159 LF

PROP. 16' DRIVE

REMOVE BLK WALL

PROP. 5' STEP & WALK

PROP. 2'-6' C&G

+79.12 TIE TO EXIST.

RELOCATE FENCE (BY OWNERS)

REMOVE BRICK SIGN

DO NOT DISTURB SIGN

-L-POT 14+67.32= -Y1-POT 13+81.53

PROP. 16' DRIVE

REMOVE BUILDING

PROP. 24' APRON

30" WELDED STEEL PIPE, 0.500" THICK, GRADE B IN SOIL

SEE DETAIL A (SHEET 2D-1)

SEE DETAIL B (SHEET 2D-1)

SEE DETAIL C (SHEET 2D-1)

Energy Dissipator Basin

PROP. 20' DRIVE

PROP. 16' DRIVE

TIE TO EXIST +68.96, 15.33'LT

TIE INTO EXIST. 24" RCP

-Y1-PT 16+95.96

-Y1-PC 17+43.93

-Y1-PT 18+58.61

-Y1-POT 20+08.92

-L-POT 19+72.85= -RR-POT-12+29.72

BEGIN RR CROSSING +59.33

END RR CROSSING +86.37

-RR-POT 13+44.90

-DR-POT 11+50.00

-L-POT 23+91.30= -Y2-POT 15+92.43

-Y2-POT 23+50.00

PROP. RAILROAD CROSSING AND SIGNAL (BY RAILROAD CONTRACTOR)

PROP. 8"X12" CURB 12+55 TO 12+82

+80.37 BEGIN C&G

PROP. 26' DRIVE

PROP. 2'-6' C&G

PROP. 24' DRIVE APRON

-L-POC 22+20.00 = -DR-POT 10+00.00

PLACE DETECTABLE WARNING DOMES AND TIE TO EXIT WALK

-L-POT 24+95.89

COLLAR & EXTEND EXIST. 18" RCP. TIE INTO 2GI. FILL IN EXIST. HOLE.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 4

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

ENVIRONMENTALLY SENSITIVE AREA SEE PROJECT SPECIAL PROVISIONS

-L- CURVE DATA

PI Sta 13+11.81	PI Sta 17+13.50	PI Sta 22+71.64
Δ = 18° 44' 59.8" (LT)	Δ = 9° 26' 41.3" (LT)	Δ = 9° 42' 59.0" (LT)
D = 10° 25' 02.7"	D = 5° 43' 46.5"	D = 5° 43' 46.5"
L = 179.99'	L = 164.84'	L = 169.58'
T = 90.81'	T = 82.61'	T = 85.00'
R = 550.00'	R = 1,000.00'	R = 1,000.00'
SE = SEE PLAN	SE = NC	SE = NC

-Y1- CURVE DATA

PI Sta 11+85.81	PI Sta 16+06.30	PI Sta 18+01.65
Δ = 10° 55' 45.8" (LT)	Δ = 18° 51' 04.3" (LT)	Δ = 16° 01' 34.0" (RT)
D = 10° 25' 02.7"	D = 10° 25' 02.7"	D = 13° 58' 28.5"
L = 104.91'	L = 180.96'	L = 114.68'
T = 52.62'	T = 91.30'	T = 57.72'
R = 550.00'	R = 550.00'	R = 410.00'
SE = 03	SE = 04	SE = EXIST.
DS = 25 MPH	DS = 40 MPH	DS = 40 MPH