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Polk County

PROJECT REFERENCE NO.	SHEET NO.
15614.1075010	EC-4/CONST.4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TGS ENGINEERS
706 HILLSBOROUGH ST
SUITE 200
RALEIGH, NC 27603
PH (919) 773-8887
CORP. LICENSE NO.: C-0275

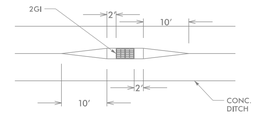
NOTE: ALL CSP GASKETS ARE TO BE SLEEVE GASKETS.

NOTE: EXISTING RIGHT OF WAY IS NOT SHOWN BUT EXTENDS OUTSIDE OF PROJECT LIMITS ON SOUTHERN SIDE OF ALIGNMENT.

-126- CURVE DATA

PIs Sta 415+45.24	PI Sta 417+47.11	PIs Sta 419+49.38
Θs = 8°00'00.0"	Δ = 5°30'00.0" (RT)	Θs = 8°00'00.0"
Ls = 400.00'	D = 4°00'00.0"	Ls = 400.00'
LT = 266.94'	L = 137.50'	LT = 266.94'
ST = 133.58'	T = 68.80'	ST = 133.58'
	R = 1,432.40'	
PIs Sta 425+36.75	PI Sta 428+13.63	PIs Sta 430+90.06
Θs = 8°00'00.0"	Δ = 7°11'28.0" (LT)	Θs = 8°00'00.0"
Ls = 400.00'	D = 4°00'00.0"	Ls = 400.00'
LT = 266.94'	L = 286.67'	LT = 266.94'
ST = 133.58'	T = 143.81'	ST = 133.58'
	R = 1,432.40'	

DETAIL 2
INSTALLATION OF 2GI IN CONCRETE DITCH



NAD 83/2011

-126- TS 412+78.30

415+00

CONC. W/ RIP-RAP
L= 20'
THICKNESS = 2.0'
EST. 40 TONS

30" CSP (10 GAGE)
ROD & LUG W/GASKETS
S=5.0%

SEE DETAIL SHEET EC-30
FOR PIPE PROFILE

D400

SPC DSN
JB W/MH

D405

30" CSP (10 GAGE)
ROD & LUG W/
GASKETS & 2 ELBOWS
S=5.7%

CONTRACTOR TO INSTALL SAFETY FENCE AROUND ALLOWABLE WORKING AREA AND/OR AS DIRECTED BY THE ENGINEER.

-126- SC 416+78.30

-126- CS 418+15.80

420+00

PLUG & ABANDON

D407

FLOWABLE FILL

SPC DSN
JB W/MH

RETAIN

D406

RETAIN & LINE W/CIPP

RETAIN

C

C

D408

INSTALL DRAINAGE SYSTEM
-126- STA 416+14.09

54" WSP (TRENCHLESS CONSTRUCTION, 0.750" THICK)

RETAIN & LINE W/CIPP

18" RCP-IV

2GI
D402

BDO
D404

B

2GI-A
D403

A

D401

REPLACE CONC. DITCH
L=50'

REPLACE CONC. DITCH
L=50'

REMOVE RCP-IV

REMOVE HW

24" CSP (12 GAGE)
ROD & LUG W/
GASKETS & ELBOW
S=17.6%

REMOVE EX.
CONC. DITCH
-126- 416+30 TO 416+60 RT

-126- ST 422+15.80

-126- TS 422+69.81

425+00

-126- SC 426+69.81

ORANGE SAFETY FENCE

IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C, UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN AREAS WHERE WATER MAY POND ON ROAD OPEN TO LIVE TRAFFIC AND ON JUNCTION BOXES INSTALLED ON STEEP SLOPES.

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

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 4