8/17/99

REVISIONS

PROJECT REFERENCE NO.	SHEET NO.
R-5523	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION
PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

FALCON ENGINEERING
FALCON ENGINEERING, INC.
1210 TRINITY ROAD, SUITE 110
RALEIGH, NC 27607
PHONE: 919.871.0800
FAX: 919.871.0803

UNDERCUT EXCAVATION

-Y1- (US 401)

PIs Sta 19+43.78	PI Sta 22+06.66	PIs Sta 24+65.23
Θs = 3° 33' 45.0"	Δ = 20° 01' 09.5" (LT)	Θs = 3° 33' 45.0"
Ls = 150.00'	D = 4° 45' 00.0"	Ls = 150.00'
LT = 100.02'	L = 421.46'	LT = 100.02'
ST = 50.02'	T = 212.90'	ST = 50.02'
	R = 1,206.23'	
	e = 08	

-NS_TRK- (NS RAILROAD)

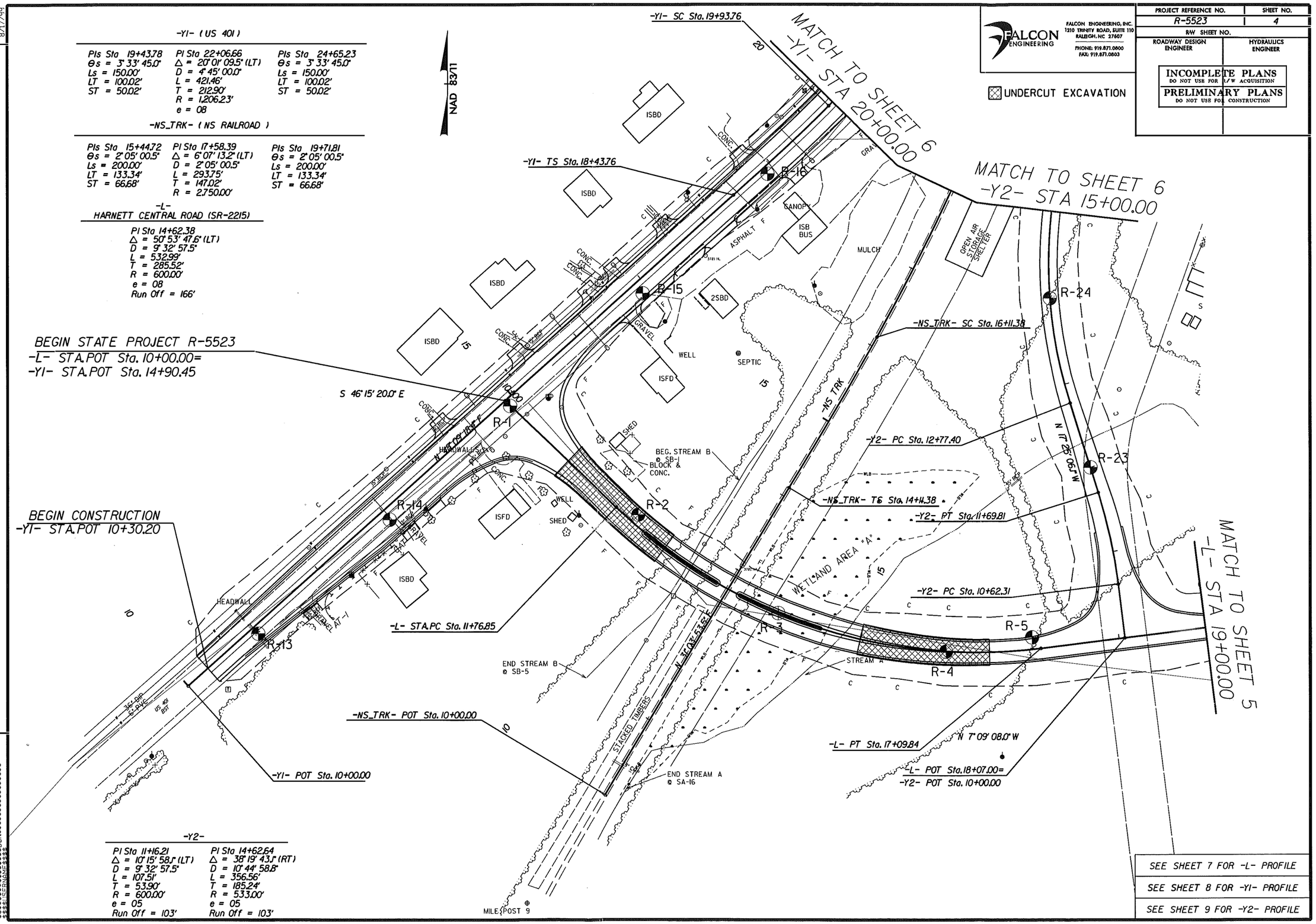
PIs Sta 15+44.72	PI Sta 17+58.39	PIs Sta 19+71.81
Θs = 2° 05' 00.5"	Δ = 6° 07' 13.2" (LT)	Θs = 2° 05' 00.5"
Ls = 200.00'	D = 2° 05' 00.5"	Ls = 200.00'
LT = 133.34'	L = 293.75'	LT = 133.34'
ST = 66.68'	T = 147.02'	ST = 66.68'
	R = 2,750.00'	

-L-
HARNETT CENTRAL ROAD (SR-2215)

PI Sta 14+62.38
Δ = 50° 53' 47.6" (LT)
D = 9° 32' 57.5"
L = 532.99'
T = 285.52'
R = 600.00'
e = 08
Run Off = 166'

-Y2-

PI Sta 11+16.21	PI Sta 14+62.64
Δ = 10° 15' 58.1" (LT)	Δ = 38° 19' 43.1" (RT)
D = 9° 32' 57.5"	D = 10° 44' 58.8"
L = 107.51'	L = 356.56'
T = 53.90'	T = 185.24'
R = 600.00'	R = 533.00'
e = 05	e = 05
Run Off = 103'	Run Off = 103'



SEE SHEET 7 FOR -L- PROFILE
SEE SHEET 8 FOR -Y1- PROFILE
SEE SHEET 9 FOR -Y2- PROFILE