042597

PROJECT REFERENCE NO.	SHEET NO.
R-513C	UC-3

DESIGNED BY:	CSG
DRAWN BY:	CSG
CHECKED BY:	MRB
APPROVED BY:	RBW
REVISED:	

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

DESIGN SERVICES UNIT
PHONE: (919) 250-4128
FAX: (919) 250-4119

METRIC
10 0 20
SCALE

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 10157 RONALD B. WILKINS

UTILITY CONSTRUCTION PLANS ONLY

UTILITY CONSTRUCTION

MATCHLINE STA. 12+00.000 MATCH TO SHT. UC-2

MATCHLINE STA. 16+00.000 MATCH TO SHT. UC-4

MATCHLINE STA. 254+00.000

MATCHLINE STA. 261+20.000

A

PROP. 403M-200MM PVC WATER PIPE, SDR 21, 1.38 MPA WP
PROP. 1-RELOCATE EXIST FIRE HYDRANT
PROP. 1-150MM GATE VALVE & VALVE BOX, 1.38 MPA WP
PROP. 1-200MM X 150MM DI TEE
PROP. 8M-150MM DI WATER PIPE, PC 350

B

C

D

RAMP "A"

RAMP "B"

RAMP "C"

RAMP "D"

-L-

-Y1-

-Y1- POT 12+40.000 = RPI PI POT 5+20.989 = RPI PI POT 4+99.766

-L- POT 24+58.326 = -Y1- POT 14+00.000

-Y1- POT 13+69.400 BEGIN BRIDGE

-Y1- POT 14+30.60 END BRIDGE

-Y1- POT 15+60.000 = RPC PI POT 4+76.277 = RPD PI POT 5+10.008

ABANDON

ABANDON

RPA PI STA 4+89.154

RPA PT 4+97.336

RPA SC 4+17.932

RPA TS 3+57.932

RPA ST 3+25.042

RPA SC 2+55.042

RPA ST 4+05.976

RPA LS 2+55.976

RPA PT SC 1+57.738

RPA PT ST 0+50.738

RPB PI STA 4+57.935

RPB ST 3+25.042

RPB SC 4+17.932

RPB PT 4+97.336

RPB TS 3+57.932

RPB ST 2+55.042

RPC PI STA 3+97.960

RPC TS 3+68.044

RPC SC 4+28.044

RPC ST 3+07.713

RPC PI POT 4+76.277 = RPD PI POT 5+10.008

RPC SC 4+68.855 = RPC PI POT 15+60.440

RPD PI STA 1+00.009

RPD TS 3+37.391

RPD SC 4+57.836

RPD PT 4+97.336

RPD ST 5+37.836

RPD LS 2+27.285

RPD ST 0+27.285

RPD PT SC 0+50.738

RPD PT ST 0+50.738

RAMP "B"

PI Sta 3+97.960	PI Sta 4+57.935
Δ = 6° 36' 39.8" (RT)	Δ = 15° 29' 51.8" (RT)
Ls = 60.000	Ls = 60.000
Lt = 40.029	Lt = 79.984
ST = 20.025	T = 40.023
	R = 260.000
	SE = 6%

RAMP "C"

PI Sta 2+57.935	PI Sta 3+25.042
Δ = 15° 29' 51.8" (RT)	Δ = 6° 36' 39.8" (RT)
Ls = 60.000	Ls = 60.000
Lt = 79.984	Lt = 40.029
T = 40.023	ST = 20.025
R = 260.000	
SE = 6%	

RAMP "D"

PI Sta 1+00.009	PI Sta 1+44.868	PI Sta 2+07.774
Δ = 37° 27' 38.0" (LT)	Δ = 37° 27' 38.0" (LT)	Δ = 15° 29' 51.8" (RT)
Ls = 60.000	Ls = 60.000	Ls = 60.000
Lt = 41.009	Lt = 167.765	Lt = 79.984
ST = 20.008	T = 94.868	T = 40.023
	R = 450.000	R = 260.000
	SE = 6%	SE = 6%

RAMP "D"

PI Sta 3+17.349	PI Sta 4+32.367
Δ = 6° 36' 39.8"	Δ = 15° 29' 51.8" (RT)
Ls = 60.000	L = 69.611
Lt = 40.029	T = 35.046
ST = 20.025	R = 260.000
	SE = 6%

-Y1-

PI Sta 16+17.049
Δ = 11° 17' 50.4" (RT)
L = 113.214
T = 56.809
R = 574.000
SE = N.C.

PROP. 1-RELOCATE EXIST FIRE HYDRANT

PROP. 1-150MM GATE VALVE & VALVE BOX, 1.38 MPA WP

PROP. 1-200MM X 150MM DI TEE

PROP. 8M-150MM DI WATER PIPE, PC 350

PROP. 403M-200MM PVC WATER PIPE, SDR 21, 1.38 MPA WP

PROP. 1-200MM X 150MM DI TEE

PROP. 8M-150MM DI WATER PIPE, PC 350

PROP. 1-150MM GATE VALVE & VALVE BOX, 1.38 MPA WP

PROP. 1-RELOCATE EXIST FIRE HYDRANT