042597

PROJECT REFERENCE NO.	SHEET NO.
R-513C	U0-13

METRIC
5 0 10
SCALE

UTILITIES BY OTHERS

NOTE:
ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS

MATCHLINE STA. 293+60.000 MATCH TO SHT. U0-11

MATCHLINE STA. 297+20.000 MATCH TO SHT. U0-15

MATCHLINE STA. 4+00.000 RP C

-L- ST 294+61.998

295+00

N 74° 14' 05.8" E

-L- MATCH TO SHT. U0-12 296+00

294+00

1+00

2+00

3+00

25+00

26+00

27+00

PROP. CABLE GUIDERAIL

NCDOT GPS CTR. MON (R513C-II) -L-295+69.150 2.250 (RT)

PROP. O/H

ABANDON

REMOVE

EXISTING R/W

18.288 (60')

BY8A-5 -Y8A-26+50.441 51.624 (LT)

SPECIAL V-DITCH RP C 2+15 TO 3+40LT SEE DETAIL "D" SHT.2-J

RAMP "C"

450 RCP

26' TYPE "D"

+78.506 -Y8- 13.000 (LT)

RP"C" SRS 0+60.000

RP"C" SC 1+20.000

+60 -Y8- 15.000 (LT)

+00 -Y8- 19.000 (LT)

+20 -Y8- 20.000 (LT) 65.6 FT

N79° 09' 49.3" E

-Y8- TS 24+78.506

+95 -Y8- 20.494 (RT) 67.2 FT

CHORD

PROP. O/H POWER LINES

+78.506 -Y8- 65.6 FT 20.000 (RT)

+74 -Y8- 37.000 (RT) 121.4 FT

+23 -Y8- 20.636 (RT) 67.7 FT

+38.506 -Y8- 20.000 (RT) 65.6 FT

CL."B" RIP RAP: EST.27 MTN FILTER FABRIC: EST.8.4 S.M.

CLEAN-OUT EXIST.DITCH -Y8- 25+00.RT EST.DDE:20 CuM SEE DETAIL "I" SHT.2-J

PROP.TEMP. DRAIN.EASEM'T

+82 -Y8- 49.000 (RT) 160.8 FT

-Y8- SC 25+38.506

-Y8- 26+52.903 = -Y8A- 10+00.000

+20 -Y8A- 15.000 (RT) 49.2 FT

+35 -Y8- 20.000 (RT) 65.6 FT

+35.509 L.T.

+14.63 RT

+32.391

+67.208

+80.023

+87.208

+92.208

+40.023

20' R

15' R

5.0'

2.7' SOIL

SR 2417

ISFD

EXISTING R/W

TAPER TO EXIST

EXIST.

S 9° 06' 00.2" E -Y8A-

-Y8A- POT 10+80.000 END CONSTRUCTION

+60 -Y8A- 15.000 (RT) 49.2 FT

+80 -Y8A- EXIST.R/W

+40 -Y8A- 20.000 (LT) 65.6 FT

+60 -Y8A- 20.000 (LT) 65.6 FT

+100 -Y8- 16.000 (RT) 52.5 FT

-Y8- CS 26+84.420

+80 -Y8A- EXIST.R/W

REM.

+08.500 -Y8- EXIST. R/W

+84.420 -Y8- 20.000 (LT) 65.6 FT

-Y8- ST 27+44.420

+44.420 Y8- 20.000 (RT) 65.6 FT

S 61° 30' 34.6" E

RP"C" TS 3+24.424

RP"C" CS 2+62.017

S 76° 23' 53.1" E

RP"C" ST 3+29.017

RP"C" SC 3+84.424

+40 -RP C- 20.000 (RT) 65.6 FT

UNIFORM TAPER LT. & RT.

+84.424 -RP C- 25.000 (RT) 82.0 FT

42

CECIL L. THOMPSON
DB 10R PG 640

-Y8A- 26+50.441 = -Y8- 24+17.000

-Y8- TS 28+22.101

+22.101 20.000 (RT) 65.6 FT

CHORD

NAD 83

-Y8-

8/14 — 3/6 — 2/10 — 10/17

-Y8A- (SR 2417)

2002 ADT
2022 ADT
IN HUNDREDS

-L-

PIs Sta 287+56.600	PI Sta 290+71.002	PIs Sta 293+78.672
Θs = 2° 33' 28.3"	Δ = 22° 02' 53.6" (LT)	Θs = 2° 33' 28.3"
Ls = 125.000	L = 538.740	Ls = 125.000
LT = 83.342	T = 272.744	LT = 83.342
ST = 41.675	R = 1,400.000	ST = 41.675
	SE = 4%	

41

-Y8-

PIs Sta 25+18.527	PI Sta 26+12.936	PIs Sta 27+04.439
Θs = 5° 43' 46.5"	Δ = 27° 52' 03.2" (RT)	Θs = 5° 43' 46.5"
Ls = 60.000	L = 145.914	Ls = 60.000
LT = 40.021	T = 74.430	LT = 40.021
ST = 20.019	R = 300.000	ST = 20.019
	SE = 8%	

-Y8-

PIs Sta 28+62.129	PI Sta 29+75.166
Θs = 6° 36' 39.8"	Δ = 39° 23' 20.2" (LT)
Ls = 60.000	L = 178.741
LT = 40.028	T = 93.065
ST = 20.025	R = 260.000
	SE = 8%

RAMP "C"

PIs Sta 0+20.001		
Θs = 1° 12' 44.8"		
Ls = 60.000		
LT = 40.001		
ST = 20.001		
R = 1417.700		
SE = 4%		

RAMP "C"

PIs Sta 1+00.009	PI Sta 1+91.604	PIs Sta 2+82.025
Θs = 3° 49' 11.0"	Δ = 18° 04' 55.7" (RT)	Θs = 3° 49' 11.0"
Ls = 60.009	L = 142.017	Ls = 60.000
LT = 40.009	T = 71.604	LT = 40.009
ST = 20.008	R = 450.000	ST = 20.008
	SE = 6%	

RAMP "C"

PIs Sta 3+64.440	PI Sta 4+63.094
Θs = 5° 03' 19.8"	Δ = 26° 03' 21.7" (LT)
Ls = 60.000	L = 154.620
LT = 40.016	T = 78.670
ST = 20.015	R = 340.000
	SE = 7%

DENOTES REMOVAL OF EXIST.PAVEMENT

SEE SHEET NO. 58 FOR LINE -L- GRADE AND PROFILE.
SEE SHEET NO. 88 FOR RAMP C GRADE AND PROFILE.
SEE SHEET NO. 124 FOR LINE -Y8- GRADE AND PROFILE.
SEE SHEET NO. 131 FOR LINE -Y8A- GRADE AND PROFILE.

600 mm CONC. PIPE

RIP RAP

EIP

01-MAR-2004 11:06
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sgoodin on dgn01.ncdot.org