REVISIONS

PROJECT REFERENCE NO.	SHEET NO.
R-2539C	UC-12
R/W SHEET NO.	

METRIC 5 0 10

CONST.REV.

R/W REV.

Municipal Services / Engineering Company, P.A.
P.O. BOX 57 GUNNS, N.C. 27529 (919) 772-5393
P.O. BOX 349 SOUTHERN PINES, N.C. 28387 (828) 692-1767
P.O. BOX 69 MOCKSVILLE, N.C. 27028

NORTH CAROLINA PROFESSIONAL SEAL 21687 ENGINEER JIMMY D. WOODIE

10/25/2004

MATCHLINE -L- STA. 189+00.000 SEE SHEET UC-11

MATCHLINE -L- STA. 192+60.000 SEE SHEET UC-13

DAVID KARL SAWYER, et ux
DB 296 - PG 629

(40) JESSE R. BOYD
DB 314 - PG 24
PC A - SLIDE 95-10

(51) MARANATHA BAPTIST CHURCH, INC.
DB 182 - PG 245
DB 182 - PG 243

ALLIANCE PENTECOSTAL CHURCH
DB 112 - PG 221
DB 113 - PG 338

(52) JESSE R. BOYD
DB 314 - PG 24
PC A - SLIDE 95-10
MB 12 - PG 86

(53) PATRICK K. BRYANT
DB 298 - PG 905
DB 298 - PG 908

(54) ERNEST L. RIGGS
DB 122 - PG 51

(55) ERNEST LEE RIGGS
DB 121 - PG 534

(57) HERBERT RILEY DIXON, et ux
DB 171 - PG 152
DB 154 - PG 379

(56) PATRICK K. BRYANT
DB 346 - PG 477

(48) ROBERT G. SPENCER AND LYNETTE HUNNINGS
DB 214 - PG 578
MB 12 - PG 51
MB 12 - PG 86

PAUL RUSSEL WHEELER, et ux
DB 341 - PG 20

UNKNOWN

PROP. 360M OF 50mm PVC FORCE SEWER PIPE, SDR 21, 1.38MPa WP

PROP. 360M OF 200mm PVC FORCE SEWER PIP, SDR 21, 1.38MPa WP

PROP. 1- 100mm GATE VALVE AND VALVE BOX, 1.38MPa WP

-Y4- POT 10+00.000

-Y4- POC 10+80.000
END PAVING
BEGIN CONSTRUCTION

-Y4- PC 10+62.191

-Y4- PT 10+83.330

-Y4- PC 11+18.099

-Y4- POT 12+20.000
END CONSTRUCTION

-L- PC 190+31.803

-L- PT 191+34.837

-L- POT 191+92.322 =
-Y4- POC 11+40.697

-Y4- PT 11+63.556

-L-
PI Sta 190+83.321
Δ = 0° 50' 36.0" (RT)
L = 103.034
T = 51.518
R = 7000.000
S.E. = N C

-Y4-
PI Sta 10+72.761
Δ = 1° 12' 40.2" (RT)
L = 211.39
T = 10.570
R = 1000.000

-Y4-
PI Sta 11+40.831
Δ = 2° 36' 16." (RT)
L = 45.457
T = 22.732
R = 1000.000

STA 189+00 TO STA 191+59 -L- LT
STA 191+96 TO STA 192+60 -L- LT
STA 189+00 TO STA 191+86 -L- RT
STA 192+24 TO STA 192+60 -L- RT
STA 10+80 TO STA 11+23 -Y4- LT
STA 10+94 TO STA 11+05 -Y4- RT
STA 11+74 TO STA 12+00 -Y4- LT
STA 11+57 TO STA 12+00 -Y4- RT

DETAIL F
SPECIAL CUT DITCH
(Not to Scale)
Natural Ground
VAR.
Natural Ground
3:1
4:1
6:1
D
Front Ditch Slope
Min. D = 0.85m

DETAIL H
LATERAL BASE DITCH
(Not to Scale)
Natural Ground
3:1
3:1
D
B
b
.08m/m
Fill Slope
Min. D = 1.4 m
B = 1.2 m
b = 0.6 m

DETAIL D
SPECIAL CUT DITCH
(Not to Scale)
Natural Ground
3:1
4:1
D
Front Ditch Slope
Min. D = 0.30m

PROP. 360M OF 100mm PVC WATER PIPE, SDR 21, 1.38MPa WP

RECONNECT EXIST. WATER MATER USING 1-100mm X 20mm TAPPING SADDLE, 1-20mm CORPORATION STOP AND 28M OF 20mm PE WATER TUBING, SDR 9, 1.38MPa WP

RECONNECT 2-EXIST. WATER MATERS USING 1-100mm X 20mm TAPPING SADDLE, 1-20mm CORPORATION STOP AND 27M OF 20mm PE WATER TUBING, SDR 9, 1.38MPa WP FOR EACH WATER METER

RECONNECT EXIST. WATER METER USING 1-100mm X 20mm TAPPING SADDLE, 1-20mm CORPORATION STOP AND 36M OF 20mm PE WATER TUBING, SDR 9, 1.38MPa WP

PROP. 1-100 X 75mm D.I. TEE

PROP. 25M OF 75mm PVC WATER PIPE, SDR 21, 1.38MPa WP

TIE TO EXIST. 75mm PVC WATER PIPE USING 1-75mm D.I. 22 1/2° BEND AND NECESSARY FITTINGS

PROP. 1- 75mm GATE VALVE AND VALVE BOX, 1.38MPa WP

23.6 TONS CLASS I RIP RAP
41.8 SM FILTER FABRIC

LATERAL 1.2m BASE DITCH, SEE DETAIL H
DDE = 2580 m3

LATERAL 1.2m BASE DITCH, SEE DETAIL H
DDE = 311 m3

SPECIAL CUT DITCH SEE DETAIL F

SPECIAL CUT DITCH SEE DETAIL D

REMOVE

ABANDON

PLUG

EXIST R/W

S 80° 22' 43.3" E

S 79° 32' 07.2" E

S 15° 46' 46.5" E

S 73° 57' 51" W

N 17° 22' 54" W

S 85° 37' 20" W

N 89° 44' 06" E

S 62° 19' 07" W