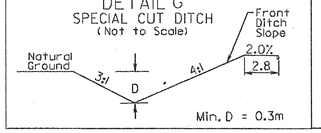
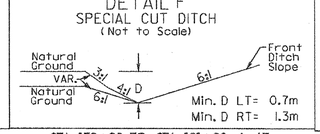
REVISIONS
1. REVISED PER BRMSD COMMENTS 2/28/05

DETAIL G
SPECIAL CUT DITCH
(Not to Scale)



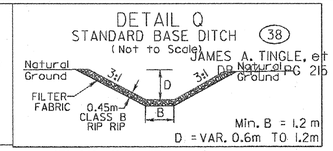
STA 179+70 TO STA 180+89 -L- RT

DETAIL F
SPECIAL CUT DITCH
(Not to Scale)



STA 178+20 TO STA 181+80 -L- LT
STA 178+21 TO STA 179+00 -L- RT
STA 181+65 TO STA 181+80 -L- RT

DETAIL Q
STANDARD BASE DITCH (38)
(Not to Scale)



STA 181+61 -L- RT

METRIC
5 0 10

CONST.REV.
R/W REV.

PROJECT REFERENCE NO.	SHEET NO.
R-2539C	UC-9
R/W SHEET NO.	

Municipal Services Engineering Company, P.A.
P.O. BOX 97, GARNER, N.C. 27529 (919) 772-5393
P.O. BOX 370, MOREHEAD CITY, N.C. 28557 (252) 726-3941
P.O. BOX 369, BOONE, N.C. 28607 (828) 262-1767

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 036282 JIMMY D. WOODIE 3/14/2005

UTILITY CONSTRUCTION DRAWINGS

SEE SHEET UC-8
SEE SHEET UC-10

MATCHLINE -L- STA. 178+20.000

MATCHLINE -L- STA. 181+80.000

(37) HERMAN L. IRELAND, et ux
DB 138 - PG 297
DB 152 - PG 262

(38) JAMES A. TINGLE, et ux
DB 144 - PG 215

LINE 2

PROPOSED 360M OF 150mm PVC FORCE MAIN SEWER PIPE, SDR 21, 1.38MPa WP

SPECIAL CUT DITCH SEE DETAIL F

SPECIAL CUT DITCH SEE DETAIL G

SPECIAL CUT DITCH SEE DETAIL E

PROP. 368M OF 250mm PVC WATER PIPE, SDR 21, 1.38MPa WP

PROP. 4-250mm D.I. 11 1/4° BENDS

PROP. 2- 250mm 22 1/2° D.I. BENDS

PROP. 2- 250mm 45° D.I. BENDS

RELOCATE EXIST. WATER METER USING 2-250mm X 20mm TAPPING SADDLES, 2-20mm CORPORATION STOPS WITH 2M OF 20mm PE WATER TUBING, SDR 9, 1.38MPa WP

+44.880 BEGIN PROP. EXPRESSWAY GUTTER

NORFOLK & SOUTHERN RAILROAD (ABANDONED)

N 73°34'06.8" E

ABANDON

RETAIN 600mm CMP

REMOVE

13.6 TONS CLASS B RIP RAP
30.9 SM FILTER FABRIC

GRADE TO DRAIN

PROP. EXPRESSWAY GUTTER

EXIST R/W

PLUG

ISBKD

CONC

(36) ALFRED E. CAHOON, et ux
DB 219 - PG 560
DB 134 - PG 40
DB 130 - PG 163
DB 110 - PG 384
PC A - SLIDE 1-7

(39A) BAGWELL HOLDINGS OF VIRGINIA, LLC
DB 343 - PG 816
PC A - SLIDE 90-3

(39B) BAGWELL HOLDINGS OF VIRGINIA, LLC
DB 343 - PG 816
PC A - SLIDE 90-3

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

1.2m BASE DITCH SEE DETAIL Q

FILL IN EXIST. SPILLWAY TO THE TOP OF EXIST. DAM

SPILLWAY DESIGN
SEE DETAIL R
125 TONS CLASS B RIP RAP
170 SQ M FILTER FABRIC
90 M3 DDE

POND LOCATION APPROXIMATE BEYOND THIS POINT

GRANTSBORO TOWN LIMIT

MATCHLINE A-A

MATCHLINE A-A

$$$$USERNAME$$$$