PROJECT REFERENCE NO.	SHEET NO.
R-2552B	UC-10

METRIC

5 0 10

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 14401 JOHN M. KAMPRATH

UTILITY CONSTRUCTION

ALL WATER AND SEWER LINES OWNED BY JOHNSTON COUNTY

NAD 83

SEE SHEET UC-9

MATCHLINE -Y1-REV 24+40

SEE PROFILE WL2 ON SHEET UC-11

EXISTING

REMOVE EXISTING STRUCTURE AND ROADWAY FILL. LAY BACK STREAM SLOPES AND GRADE THE FLOODPLAIN AREA TO MATCH NATURAL CONDITIONS ON THE UPSTREAM AND DOWNSTREAM SIDE. LINE PROPOSED CHANNEL SLOPES WITH EROSION CONTROL MATTING AND INSTALL LIVE STAKES. SEE PROPOSED FLOODPLAIN EXCAVATION TYPICAL. EXCAVATION EST 2875 CM PSRM EST 125 SM

OUTLET CHANNEL IMPROVEMENTS SEE DETAIL 19 DDE EST = 63 CM CLASS I RIPRAP EST = 60 TONS

JOHN A JONES JR. DB 9511 PG 315

(64)

-Y11- +20 EX. RW & 18 (59.055')

LINE CHANNEL BANK AT STREAM CONFLUENCE W/ CLASS I RIPRAP AND FILTER FABRIC EST 25 TONS EST 40 SM FF

J.W. RETHEMEYER DB 1622 PG 750

(69)

-Y11- PI= 16+75.674 Δ = 22° 11' 27.5" (LT) L = 177.875 T = 90.076 R = 457.201

MARY VINSON WOODARD, et al DB 1488 PG 844

(71)

10 M | 25 M FLOODPLAIN | 12 M | 25 M FLOODPLAIN | 10 M | EXISTING ROADWAY

24:1 | 2:1 | 4 M | 2:1 | 24:1

EROSION CONTROL MATTING AND LIVE STAKES

FLOODPLAIN EXCAVATION TYPICAL N.T.S.

-Y11- PC 25+85.597

OUTLET CHANNEL IMPROVEMENTS SEE DETAIL 4 DDE = 110 CM CLASS I RIPRAP EST 100 TONS

ROCK CROSS VANE FLOW ROCK EL.= 67.78 TIE ARMS IN TO EL.= 68.28 SEE DETAIL SHEET 2-K EST 23.6 TONS BOULDERS EST 5.0 TONS CLASS B EST 5.0 TONS CLASS I EST 15 SM FF

-Y11- +20 EX. TW & 16.754 (54.967')

-Y11- POC 26+79.975

-Y14- POT 10+00.000

SPECIAL LATERAL 'V' DITCH SEE DETAIL 7

-Y11-REV +98.294 17 (55.77')

-Y11-REV +09.626 15 (49.21')

-Y11-REV +20 21 (68.90')

-Y11- +63.472 15 (49.21')

-Y11- +00 20 (65.62')

-Y11- +00 9.144 & 15 (30'&49.21')

-Y11- POT 28+00.000 END CONSTRUCTION

-Y11-REV POT 26+81.830 L.B.= -Y11- PT 27+63.472

SPECIAL CUT DITCH SEE DETAIL 21

GRADE TO DRAIN

CAROLINA PACKERS INC. DB 921 PG 523

(39)

JOSEPH M WHITLEY DB 945 PG 470

(36)

1200 mm STEEL & 35 STEEL CABLE

ABANDON

375 mm CONC (REMOVE)

450 mm CONC

900 mm 2S ELEC

200mm PVC U/G

275 mm CONC

375 MM

42" GR

-Y11-REV S 31° 49' 35.9" W

STA. 1+48.00 WL2

STA. 25+54.00 -Y11REV.- END HDPE PIPE

-Y11-REV POT 25+97.254

-Y14- POT 10+07.758

LINE WL2

PLUG

1.5M

15M

-Y11-REV +73 30 (98.43')

-Y14- +48 9.144 (30')

-Y14- +35.934 9.144 (30')

END CONSTRUCTION -Y14- POT 10+24.000

-Y11-REV +15.250 (62.34')

-Y11-REV +20.862 15 (49.2

-Y11- +64.124 15m (62.34')

-Y11- +00 9.144m (30')

-Y11- R/W 19

TAYLOR MORTON LANGFORD, JR. DB 9311 PG 776

(34)

INLET CHANNEL IMPROVEMENTS SEE DETAIL 18 DDE EST = 30 CM

ENERGY DISSIPATOR QI0= 0.18 cms VI0= 0.12 mps

SEE DETAIL SHEET 2-G EST 20 TONS CLASS 'B' RIP RAP EST 25 SM FF

PHILLIP E LANGFORD DB 969 PG 652

1@ 2.43 X 2.43 RCBC

1@ 3.0 X 2.74 RCBC

WARREN WAYNE BAREFOOT DB 802 PG 113

(72)

L C. WILKINSON 1749 PG 913

GEORGE PARHAM COGHILL JR. DB 1464 PG 621

SPARROW JOHNSON ASSOCIATES DB 1117 PG 463

LANDSCAPE TIMBERS

1.5SFD

DECK

PLANTER

THOMAS E CARTER DB 1348 PG 316

PHILLIP E LANGFORD DB 1181 PG 188

PROP. 114M OF 250MM HDPE WATER PIPE, DR 9, 1.38MPA WP
BY TRENCHLESS METHOD
CONNECT USING NECESSARY FITTINGS

PROP. 69M OF 200MM PVC WATER PIPE, SDR 21, 1.38 MPA WP
1 - 200MM X 200MM DI TEE
1 - 200MM GATE VALVE & VALVE BOX, 1.38 MPA WP
1 - 200MM 11 1/4° DI BEND
2 - 200MM 90° DI BENDS
1 - 200MM 45° DI BEND
CONNECT USING NECESSARY FITTINGS

PROP. 15M OF 200MM DI WATER PIPE, PC 2.41 MPA
CONNECT USING NECESSARY FITTINGS

= PROPOSED REMOVAL OF EXISTING PAVEMENT & OBLITERATION

Prepared by:
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