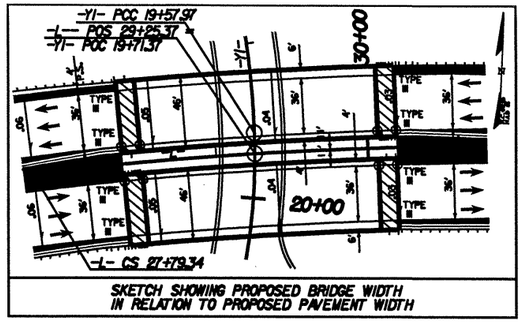
BARBARA H. MULKEY ENGINEERING, INC.
P. O. Box 33267
Raleigh, N.C. 27636-3267
(919) 851-1147
(919) 851-1148 FAXO

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| B-3157 | 5 3 |
| HYDRAULICS ENGINEER | HIGHWAY DESIGN ENGINEER |

**PRELIMINARY PLANS**
**DO NOT USE FOR R/W ACQUISITION**

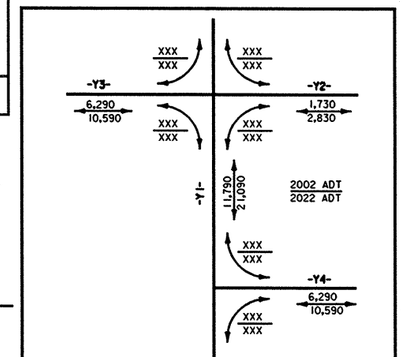
**INCOMPLETE PLANS**
**DO NOT USE FOR CONSTRUCTION**

BY-2 PINC 9+46.98 =
BY-8 POT 8+69.30 =
-Y1- POC 12+87.80, 35.48 LT.
-Y1- PT 13+92.62
-Y1- POT 14+00.00
BEGIN CONSTRUCTION
CHARLES GRAY GREEN DB 574 PG 890
FRANK & SONS INC. DB 499 PG 173
-Y2- PT 15+31.85
BY-7 POT 5+00.00 =
-Y2- POC 14+71.79,
24.55 RT.
PATSY A. BECK PB 8 PG 61
LAWRENCE EDWARD CANNING DB 506 PG 408
S 89°10'03.3"E
SWING DAIRY RD.
-Y2- POC 14+50.00
END CONSTRUCTION
-Y2- PC 13+86.88
CHARLES F & AMELIA G. BIESECKER DB 622 PG 923
DANIEL MACY ALLRED DB 528 PG 225
-Y2- PT 12+05.59
-Y2- POC 11+25.00 =
DRIVE #1 POT 10+00.00
-Y1- PC 17+00.97
-Y2- PC 10+50.80
BY-2 PINC 14+76.08 =
BY-6 POT 8+64.46 =
BY-7 POT 10+28.28 =
-Y1- POT 18+05.31, 58.83 RT.
DRIVE #1 PC 11+12.87
-Y1- POC 19+57.97
-L- POS 29+25.37 =
-Y1- POC 19+71.37
FRANK & SONS INC. DB 499 PG 173
-Y1- POC 17+40.75 =
-L- POT 10+00.00 =
POT 16+43.60
-L- POS 28+39+/-
(11.00' LT.)
BEGIN APP. SLAB
-L- POS 28+51+/-
(11.00' LT.)
BEGIN BRIDGE
DRIVE #1
S 8C 05'05.2"E
DRIVE #1 STA 15+20.00
END CONSTRUCTION
CITY OF LEXINGTON DB 498 PG 710
DRIVE #1 PT 12+68.03
-L- POS 30+07+/- (11.00' LT.)
END BRIDGE
-L- POS 30+19+/- (11.00' LT.)
END APPROACH SLAB
-L- POT 38+90.00
END STATE PROJECT B-3157
-L- ST 32+59.34
-Y4- POT 14+14.61
END CONSTRUCTION
-Y4- POT 14+50.00
-L- POT 39+07.00
END CONSTRUCTION
STATE PROJECT B-3157
-Y4- PC 20+80.31 =
-Y4- POT 10+00.00
-L- POS 28+51+/- (11.00' RT.)
BEGIN BRIDGE
-Y1- PT 21+37.50
-L- POS 28+39+/- (11.00' RT.)
BEGIN APP. SLAB
-L- CS 27+79.34
-Y1- PC 22+24.08
-Y1- POC 20+80.31 =
-Y4- POT 10+00.00
-L- POS 28+51+/- (11.00' RT.)
END APPROACH SLAB
-L- POS 30+19+/- (11.00' RT.)
END BRIDGE
BL PINC- 20+24.73 =
-L- POS 30+07.80, 4.68 RT.
BY-2 PINC 17+00.70 =
-Y1- POC 20+15.29, 30.80 LT.
BL PINC- 29+03.27 =
-L- POT 38+86.47, 2.92 LT.
-L- POT 40+55.93
-Y1- POC 19+57.97
-L- POS 29+25.37
-Y1- POC 19+71.37
-L- CS 27+79.34




SKETCH SHOWING PROPOSED BRIDGE WIDTH
IN RELATION TO PROPOSED PAVEMENT WIDTH

FOR -L- PROFILE, SEE SHEETS 6 & 7
FOR -Y1- PROFILE, SEE SHEET 7
FOR -Y2-, -Y3-, -Y4- & DRIVE 1 PROFILES, SEE SHEET 8
FOR DITCH DETAILS, SEE SHEET 2-J
FOR CHANNEL RELOCATION DETAIL, SEE SHEET 2-J
FOR -L- CROSS-OVERS, SEE SHEETS 2-K THRU 2-M
FOR -Y1- & -Y2- DETOUR, SEE SHEET 2-N




TRAFFIC DIAGRAM
SR 1242 AND SWING DAIRY RD. AND SR 1401
SR 1242 AND SR 1292

MATCHLINE TO SHEET 4
STATION 27+00
MATCHLINE TO SHEET 5
STATION 22+00
MATCHLINE
MATCHLINE
MATCHLINE

RETAINING WALL #2

RALEIGH ROAD FURNITURE CORP. DB 643 PG 82

UTILITIES WITHIN THE PERIMETER FENCE FOR STANLEY FURNITURE HAVE NOT BEEN DEPICTED. CONTACT MR. DAVID KEIGER OF STANLEY FURNITURE FOR UTILITY INFORMATION. (336) 248-5961

STANLEY INTERIORS CORP. DB 804 PG 1371

SMITH, SMITH, SMITH, & SMITH PB 5 PG 99

-L-

| | | |
|---|---|---|
| Pi Sta 14+68.96 | Pi Sta 22+22.47 | Pi Sta 29+39.58 |
| f s = 7° 16' 32.4" | D = 34° 52' 55.7" (RT) | f s = 7° 16' 32.4" |
| Ls = 480.00' | D = 03° 01' 53.5" | Ls = 480.00' |
| ST = 160.25' | L = 1,150.65' | ST = 160.25' |
| LT = 320.27' | T = 593.78' | LT = 320.27' |
| | R = 1,890.00' | |
| | Se = 0.06 | |

-Y1-

| | | | | |
|---|---|---|---|---|
| Pi Sta 12+83.76 | Pi Sta 18+31.67 | Pi Sta 20+49.42 | Pi Sta 23+88.95 | Pi Sta 11+32.31 |
| D = 15° 53' 16.7" (RT) | D = 25° 42' 00.8" (RT) | D = 26° 55' 41.0" (RT) | D = 07° 24' 30.8" (LT) | D = 44° 20' 45.5" (LT) |
| D = 01° 15' 00.0" | D = 10° 00' 00.0" | D = 15° 00' 00.0" | D = 02° 15' 00.0" | D = 28° 38' 52.4" |
| L = 219.14' | L = 257.00' | L = 179.52' | L = 329.27' | L = 154.80' |
| T = 110.28' | T = 130.70' | T = 91.45' | T = 164.86' | T = 81.51' |
| R = 790.29 | R = 572.96' | R = 381.97' | R = 2,546.48' | R = 200.00' |
| Se = EXIST. | Se = 0.04 | Se = 0.04 | Se = EXIST. | Se = RC |

-Y2-

| | | |
|---|---|---|
| Pi Sta 14+70.55 | DRIVE #1 | |
| D = 71° 36' 21.1" (RT) | Pi Sta 11+94.59 | |
| D = 49° 23' 34.5" | D = 44° 26' 59.4" (LT) | |
| L = 144.91' | D = 28° 38' 52.4" | |
| T = 83.61' | L = 155.16' | |
| R = 116.00' | T = 81.72' | |
| Se = 0.06 | R = 200.00 | |
| | Se = NC | |

$DATE$ $TIME$ $FILE$