8/17/99

MATCHLINE
-Y3- STA. 20+50
SEE SHEET 5

PROJECT REFERENCE NO.	SHEET NO.
I-5972	EC-15/CONST.9
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/2011

EXIST

20+00

48" W/W

FSS

S 86°57'03" W 135.01'

INV=143.38' 18" RCP INV=143.28'

INV=142.64'

N 86°58'43" E 612.15'

INV=142.54'

30" RCP

46.18' ACCESSIBLE

CONC

40' E

ISFD

CARPORT

JERRY R. GRICE
JEAN H. GRICE
DB 1077 PG 603

3'29" W 18'

INV=142.27'

RIP-RAP

S 89°40'41" E 303.90'

9' SOIL

EIP

EIP RIP-RAP

EXIST R/W MONUMENT

20'

-Y3-

N 7°24'26.6" W

RY3-402

MAILBOX

SR 2507 MALLARD RD

BZ 2 BZ 1 BZ 2

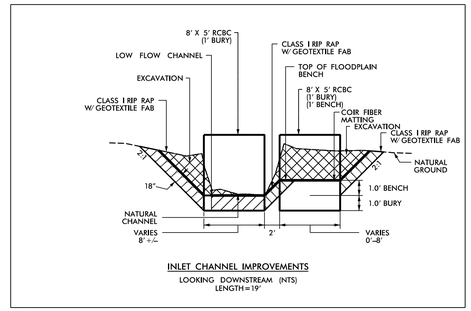
JS JS MT

SR

SB 200

65 x 22 x 3
1.5 inch Skimmer
with 1.125 inch
Orifice Diameter
5 ft. weir
ID 9–2

60 x 30 x 3
1.5 inch Skimmer
with 1.25 inch
Orifice Diameter
9 ft. weir
ID 9–1



INLET CHANNEL IMPROVEMENTS
LOOKING DOWNSTREAM (NTS)
LENGTH = 19'

CHANNEL IMPROVEMENTS TOTALS:
55 TONS CL I RIP RAP
80 SY GEO FAB
23 SY COIR FIBER MATTING
29 CY DDE

INLET CHANNEL IMPROVEMENTS

LATERAL DITCH
SEE DETAIL E

WOODS

OLD BROGDEN FARMS, LLC
DB 5178 PG 843
PB 43 PG 163

9

8

TOE PROTECTION
SEE DETAIL M
63 TONS CL B RIP RAP
141 SY GEO FAB

BEGIN CONSTRUCTION
-Y2- Sta. 10+10.00

R=75'

26.66' (TYP)

SP. CUT DITCH
SEE DETAIL C

150' TAPER

SP. LATERAL DITCH
SEE DETAIL D

15+00

-Y2-

N 89°44'57.3" E

8' RCP-IV

+09.0

100' TRANSITION

3 TONS CL B RIP RAP
10 SY GEO FAB

-Y2- POT Sta.10+00.00 =
-Y3- POT Sta.15+21.14

55 x 23 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
4 ft. weir
ID 9–5

36 x 18 x 3
1.5 inch Skimmer
with 1.0 inch
Orifice Diameter
4 ft. weir
ID 9–4

OUTLET CHANNEL
IMPROVEMENTS

141.34

143.12

141.39

142.33

141.74

INV=140.39

INV=140.05

-Y2- PC Sta.18+69.27

SP. LATERAL DITCH
SEE DETAIL D

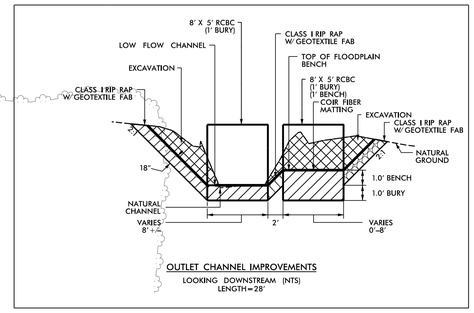
134 x 34 x 3
2.0 inch Skimmer
with 1.875 inch
Orifice Diameter
18 ft. weir
ID 9–3

BEGIN CONSTRUCTION/OVERLAY
-Y3- Sta. 13+50.00

-Y2- @ MALLARD RD.

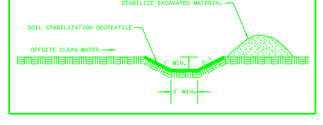
ADT 2017	200
ADT 2040	200
	650
	1,050
	450
	850

MALLARD RD.



OUTLET CHANNEL IMPROVEMENTS
LOOKING DOWNSTREAM (NTS)
LENGTH = 28'

CLEAN WATER DIVERSION
(Not to Scale)



-Y2-
PI Sta 24+96.11
△ = 64° 09' 43.2" (LT)
D = 5° 43' 46.5"
L = 1,119.84'
T = 626.84'
R = 1,000.00'
Se = 0.06

NOTE:
ALL DRIVE RADII ARE 10' UNLESS OTHERWISE NOTED

FOR -Y2- PROFILE SEE SHT. 13
FOR -Y3- PROFILE SEE SHT. 18
FOR CULVERT CONST. PLANS SEE SHTS. C1-1 THRU C1-5

RK&K
P: (919) 878-9560
8601 Six Forks Road, Forum 1,Suite 700
Raleigh, North Carolina 27615-3960
NC License No. F-0112
Engineers | Construction Managers | Planners | Scientists
www.rkk.com
Responsive People | Creative Solutions

7/17/2023
R:\Highways\Projects\CADD\PSH\Erosion Control\I5972_EC_psh15.dgn
mbolen