CURVE #2
PI STA. 102+80.98
Δ = 60.63'
R = 46.00'
T = 26.90'
L = 48.68
PC = 102+54.08
PT = 103+2.76

CURVE #1
PI STA. 101+19.14
Δ = 39.11'
R = 27.28'
T = 74.60'
L = 143.36
PC = 100+44.54
PT = 101+87.90

ROCK OUTLET PROTECTION

Construction Specifications:
1. The aggregate for the filter lining, or gabion, shall be specified in the reported class and graded. The fill required for the filter lining or gabion shall be specified in the appropriate text of the accompanying engineering material.
2. The base on grout shall conform to the specified grout consist when placed, respectively, in the portion of filter lining whose slip shall be protected from weathering, drying, or erosion, and whose slip shall be protected from weathering, drying, or erosion, and whose slip shall be protected from weathering, drying, or erosion.
3. The base shall be protected from weathering, drying, or erosion, and whose slip shall be protected from weathering, drying, or erosion, and whose slip shall be protected from weathering, drying, or erosion.
4. The base shall be protected from weathering, drying, or erosion, and whose slip shall be protected from weathering, drying, or erosion, and whose slip shall be protected from weathering, drying, or erosion.
5. The base shall be protected from weathering, drying, or erosion, and whose slip shall be protected from weathering, drying, or erosion, and whose slip shall be protected from weathering, drying, or erosion.

DETAIL 27 - ROCK OUTLET PROTECTION

PLAN VIEW

SCALE: VERT. 1"=50' HORIZ. 1"=100'

103+80
103+50
103+00
102+50
102+00
101+50
101+00
100+00

PROFILE OF TOP OF DAM AND DRIVEWAY CENTERLINE

SCALE: VERT. 1"=50' HORIZ. 1"=100'

DES A. WARDEN
DATE: 04/17/90

DATE: 04/12/90

APPLD PHYSIOL LABORATORY
THE JOHNS HOPKINS UNIVERSITY-P A
EMBANKMENT/PERIMETER
ROAD PROFILE

TAX MAP #1 PARCEL 13
ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SANDBAG/STONE DIVERSION TO BE INSTALLED TO BLOCK INLET OF BASIN OUTLET STRUCTURE. BASIN TO BE DEWATERED BY MECHANICAL PUMP THROUGH "PST".

FOR EROSION AND SEDIMENT CONTROL ONLY
WETLAND AREA "WL-R"

25' WETLAND BUFFER

EXISTING STREAM

"FIELD DELINEATED WETLANDS"
EXISTING PEM11h WETLANDS
WITH PSS56h FRINGE, IDENTIFIED AS
WETLAND AREA "WL-Q"

25' WETLAND BUFFER

EXISTING
50' STREAM BUFFER
25' WETLAND BUFFER; AREA 'E'
IMPACTS: 6/ SF

25' WETLAND BUFFER; AREA 'F'
IMPACTS: 188 SF

EXISTING STREAM; AREA 'B'
IMPACTS 189 SF

"FIELD DELINEATED WETLANDS" ; AREA 'C'
IMPACTS: 5,277 SF

25' WETLAND BUFFER; AREA 'D'
IMPACTS: 8,797 SF

EXISTING STREAM; AREA 'A'
IMPACTS: 390 SF

AREA TYPE OF IMPACT
1. Stream Channel Grading for pond & culvert
   IMpact = 390

2. Stream Channel Grading for pond outlet &
   channel construction
   IMPacts = 188

AREA TYPE OF IMPACT
1. Gravel Ponds Temporary, Grading
   PER 0.529

2. Temporary, Grading
   PER 0.378

TOTALS

"Wetlands of the U.S."
S.F. Wetlands 57
Temporary Impacts Total 5,377
Permanenm Impacts Total 0

REPLACEMENT & RESTORATION REQUIREMENTS

Einhorn Yaffee Prescott
SWM POND RETROFIT PROJECT

AMT
APPLIED PHYSICS LABORATORY- POND A
WETLAND IMPACTS

SITE

SWM BASIN 'A'

GRAPHIC SCALE

1" = 100'