TIP PROJECT: B-3919

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-3919	EC-1	

STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION

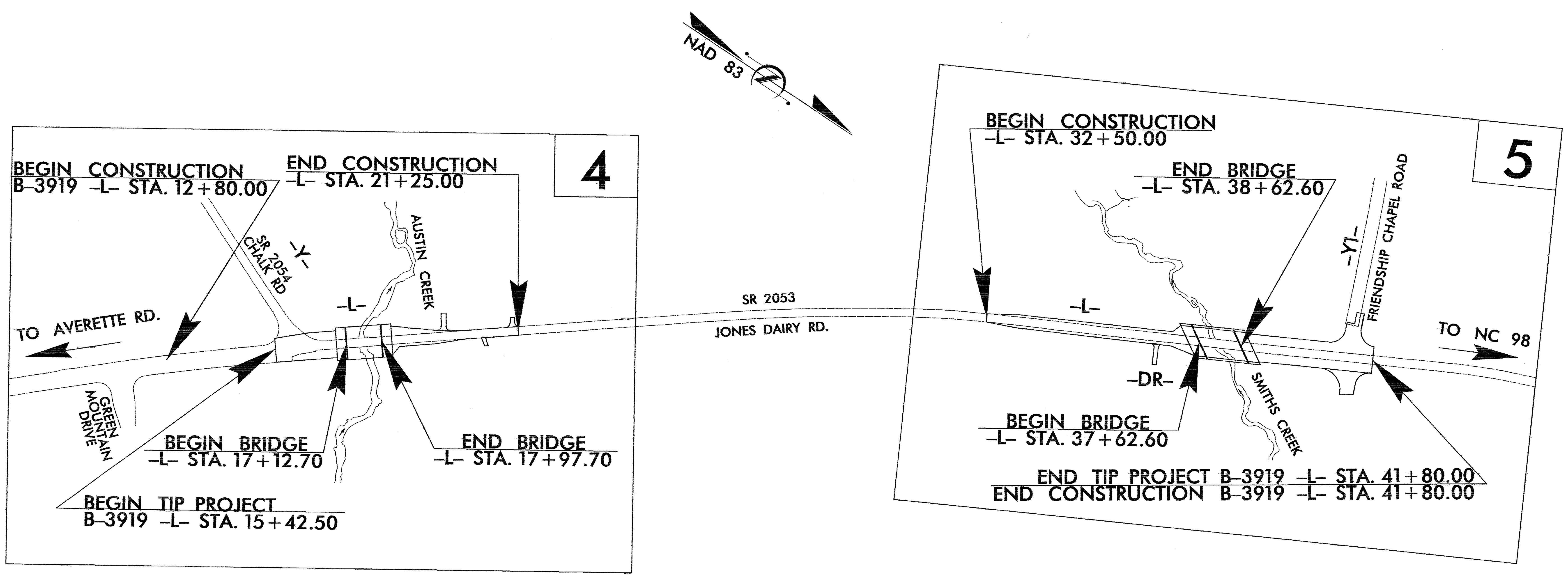
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL

WAKE COUNTY

LOCATION: BRIDGE NO. 448 OVER AUSTIN CREEK AND BRIDGE NO. 140 OVER SMITHS CREEK AND APPROACHES ON SR 2053 (JONES DAIRY RD.)

TYPE OF WORK: GRADING, PAVING, DRAINAGE AND STRUCTURES



EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	
1630.05	Temporary Diversion	
1605.01	Temporary Silt Fence	
1606.01	Special Sediment Control Fence	
1622.01	Temporary Berms and Slope Drains	
1630.01	Riser Basin	
	Silt Basin Type B	
1633.01	Temporary Rock Silt Check Type-A	
	Temporary Rock Silt Check Type-B	
	Wattle	
1634.01	Temporary Rock Sediment Dam Type-A	
1634.02	Temporary Rock Sediment Dam Type-B	
1635.01	Rock Pipe Inlet Sediment Trap Type-A	
1635.02	Rock Pipe Inlet Sediment Trap Type-B	
1630.04	Stilling Basin	
1630.06	Special Stilling Basin	
	Rock Inlet Sediment Trap:	
1632.01	Type A	A
1632.02	Type B	B
1632.03	Type C	C
	Skimmer Basin	
	Tiered Skimmer Basin	
	Infiltration Basin	

THIS PROJECT CONTAINS EROSION CONTROL PLANS FOR CLEARING AND GRUBBING PHASE OF CONSTRUCTION.

THIS PROJECT HAS BEEN DESIGNED TO SENSITIVE WATERSHED STANDARDS.

ENVIRONMENTALLY SENSITIVE AREA(S) EXIST ON THIS PROJECT

Refer To E. C. Special Provisions for Special Considerations.

GRAPHIC SCALE

0
PLANS

0
PROFILE (HORIZONTAL)

0
PROFILE (VERTICAL)

ROADSIDE ENVIRONMENTAL UNIT
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

Prepared In the Office of:

ROADSIDE ENVIRONMENTAL UNIT
1 South Wilmington St.
Raleigh, NC 27611

2006 STANDARD SPECIFICATIONS

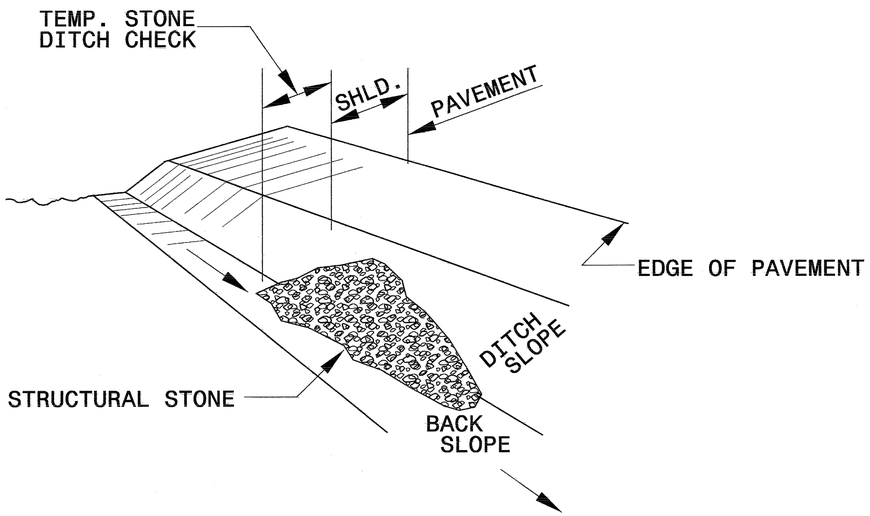
Roadway Standard Drawings

The following roadway english standards as appear in "Roadway Standard Drawings" - Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated July 18, 2006 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

1605.01 Temporary Silt Fence
1606.01 Special Sediment Control Fence
1607.01 Gravel Construction Entrance
1622.01 Temporary Berms and Slope Drains
1630.03 Temporary Silt Ditch
1630.05 Temporary Diversion
1632.03 Rock Inlet Sediment Trap Type C
1633.01 Temporary Rock Silt Check Type A

PROJECT REFERENCE NO.	SHEET NO.
B-3919	EC-2
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TEMPORARY ROCK SILT CHECK TYPE 'B' DETAIL

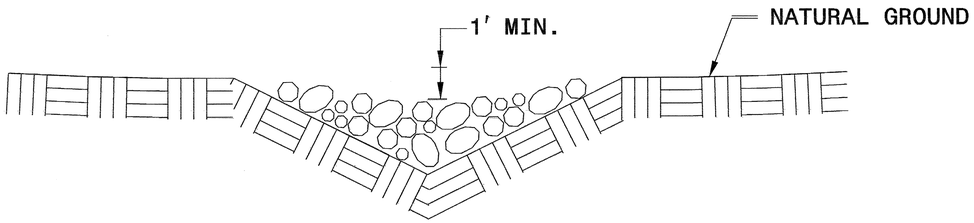


ISOMETRIC VIEW

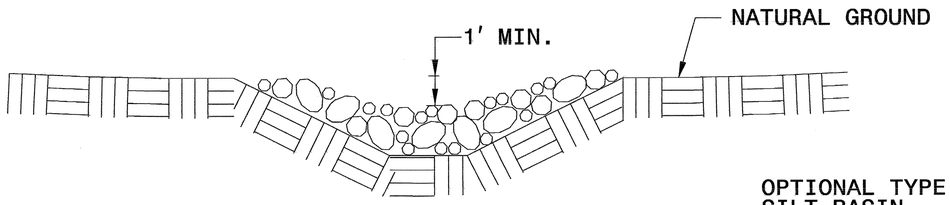
NOTES:

USE CLASS 'B' EROSION CONTROL STONE FOR STRUCTURAL STONE.

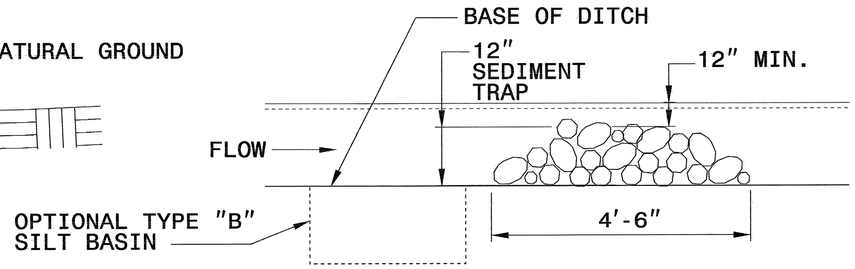
THE ENGINEER MAY DIRECT THE OPTION OF CLASS "A" STONE FOR SITES HAVING LESS THAN ONE (1) ACRE DRAINAGE AREA AND A DITCH GRADE LESS THAN 3%.



CROSS SECTION VEE DITCH



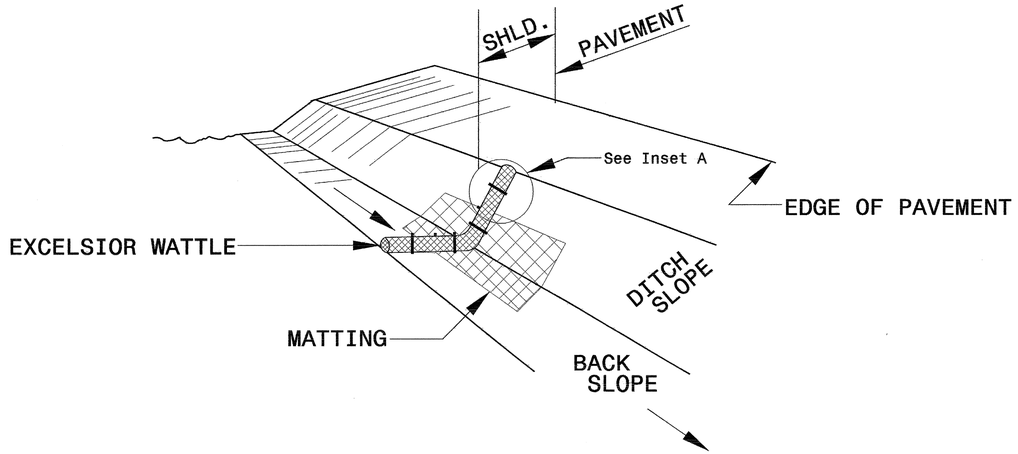
CROSS SECTION TRAPEZOIDAL DITCH



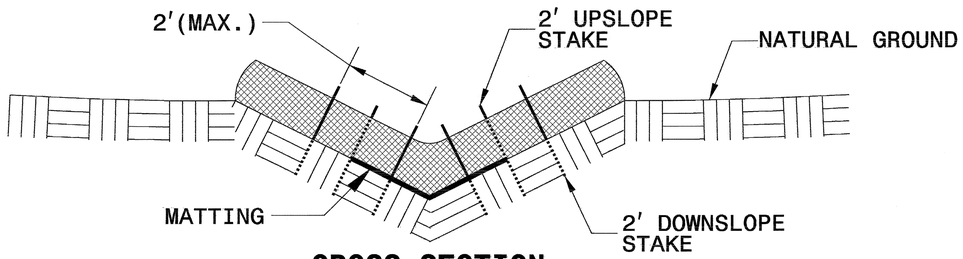
ELEVATION VIEW

PROJECT REFERENCE NO.	SHEET NO.
B-3919	EC-2A
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

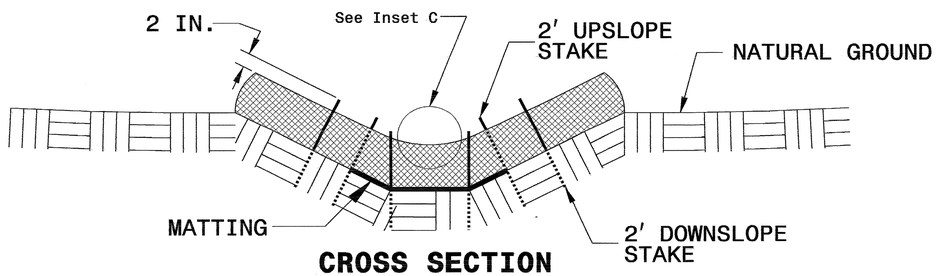
WATTLE WITH POLYACRYLAMIDE DETAIL



ISOMETRIC VIEW



CROSS SECTION VEE DITCH



CROSS SECTION TRAPEZOIDAL DITCH

NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. CROSS SECTION.

ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

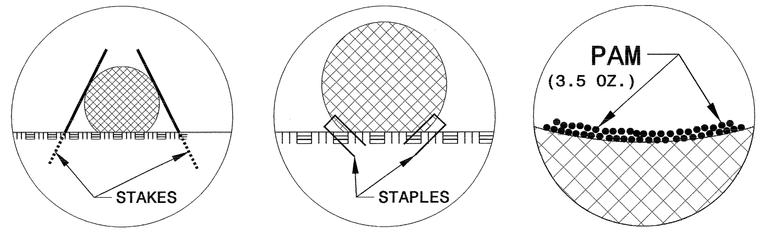
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

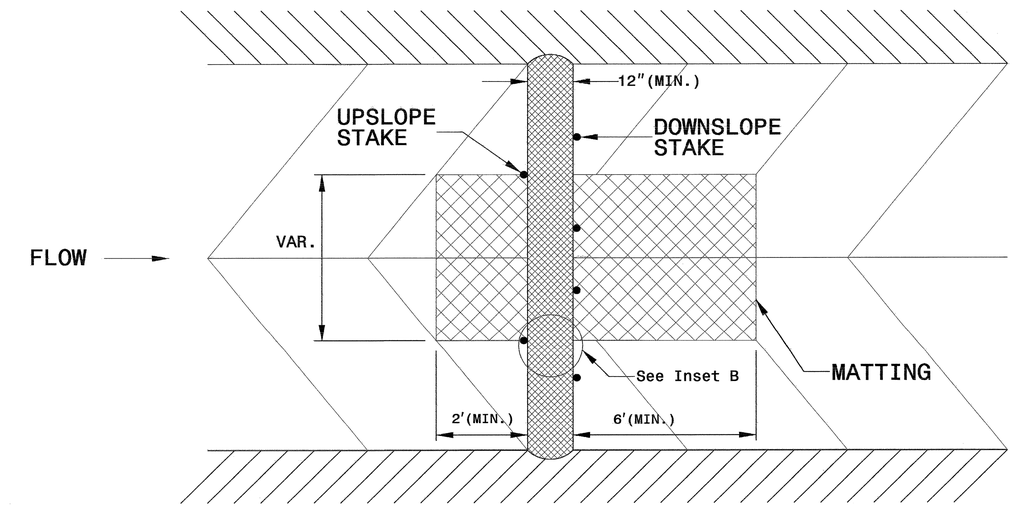
INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.

PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH WATTLE.

INITIALLY APPLY 3.5 OUNCES OF ANIONIC OR NEUTRALLY CHARGED POLYACRYLAMIDE (PAM) OVER WATTLE WHERE WATER WILL FLOW AND AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.



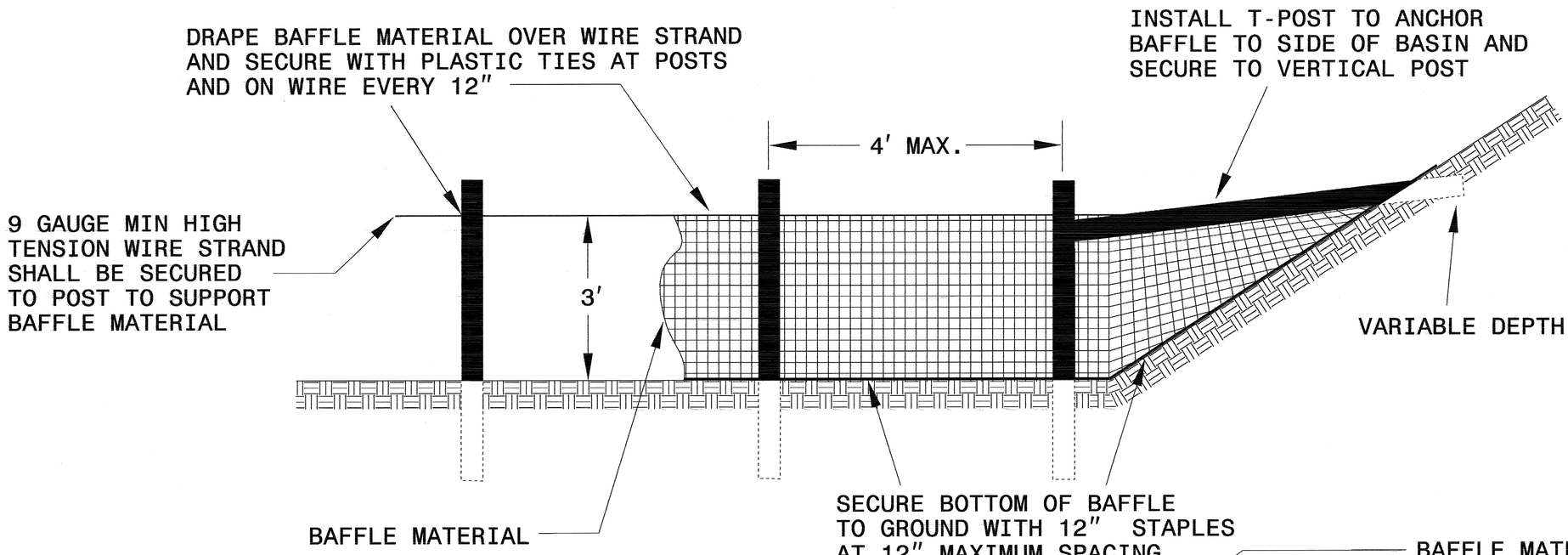
INSET A INSET B INSET C

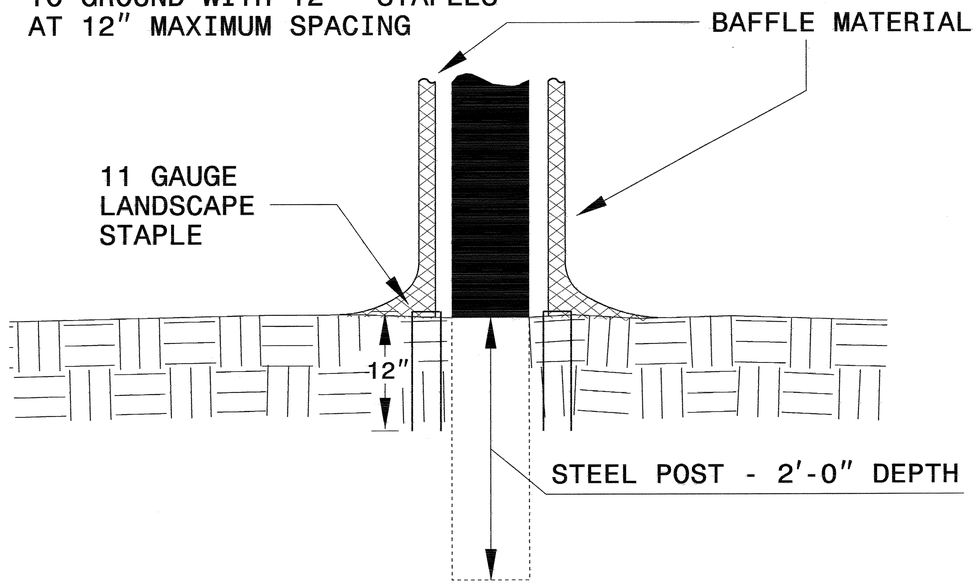


TOP VIEW

PROJECT REFERENCE NO.	SHEET NO.
B-3919	EC-2B
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

COIR FIBER BAFFLE DETAIL





BAFFLE MATERIAL SHALL BE SECURED TO THE BOTTOM AND SIDES OF BASIN USING 12" LANDSCAPE STAPLES

NOTES:

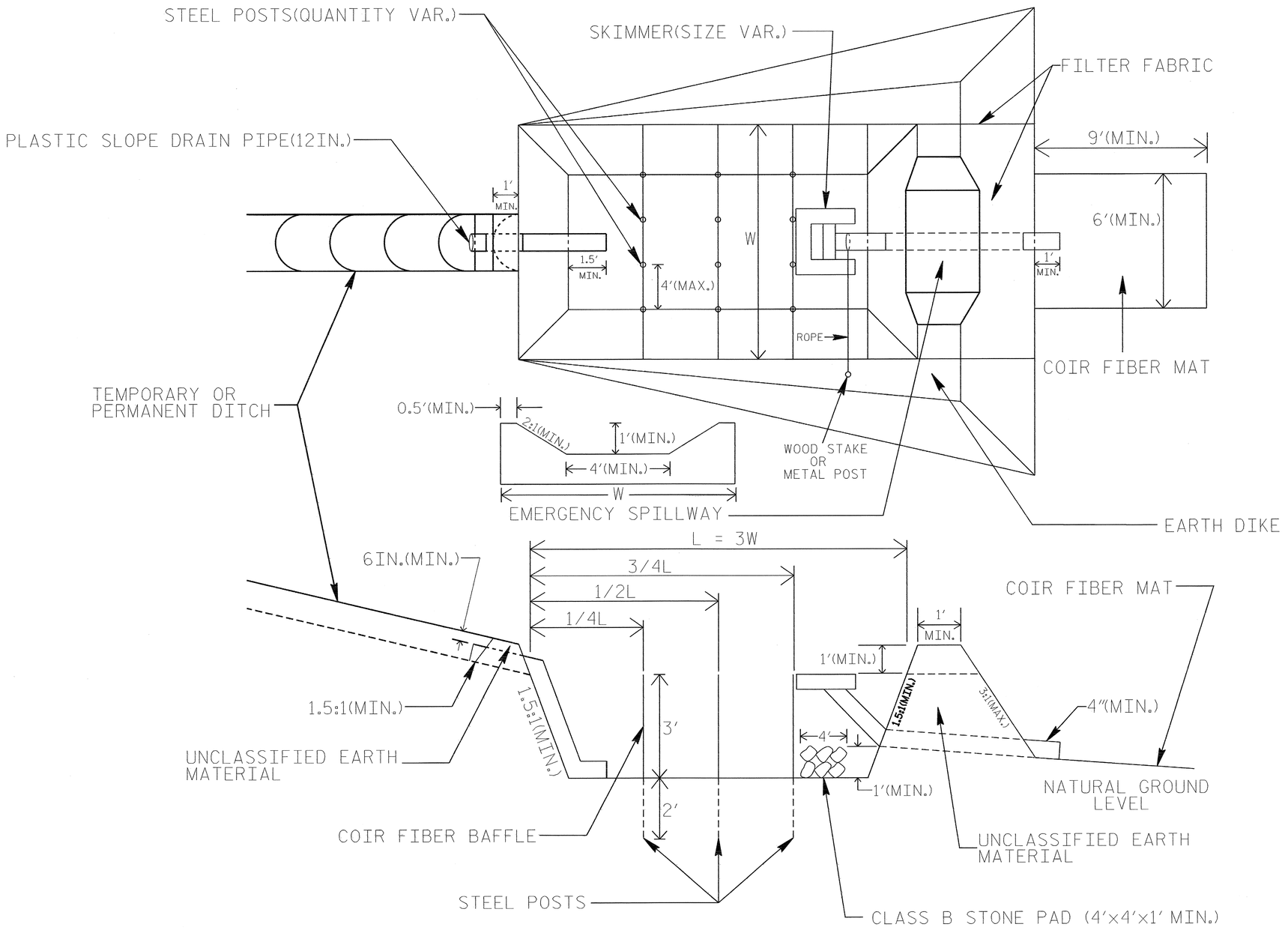
1. INSTALL THREE(3) COIR FIBER BAFFLES IN SILT BASINS AND SEDIMENT DAMS AT DRAINAGE OUTLETS WITH A SPACING OF ¼ THE BASIN LENGTH.

2. TWO(2) COIR FIBER BAFFLES CAN BE INSTALLED IN SILT BASINS AND DAMS LESS THAN 20 FT. IN LENGTH WITH A SPACING OF 1/3 THE BASIN LENGTH.

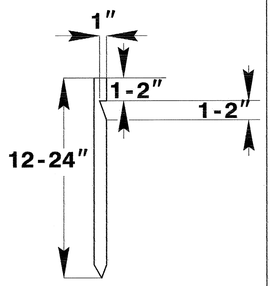
3. TOP HEIGHT OF COIR FIBER BAFFLES SHALL NOT BE BELOW BASE OF EMERGENCY SPILLWAY ELEVATION.

PROJECT REFERENCE NO.	SHEET NO.
B-3919	EC-2C
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

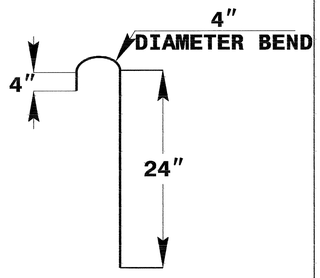
SKIMMER BASIN WITH BAFFLES DETAIL



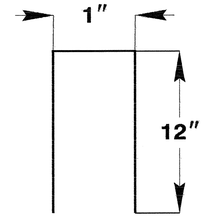
2" x 2" (nominal) WOODEN STAKE



#10 STEEL REINFORCEMENT BAR



1" (nominal) STAPLE



COIR FIBER MAT ANCHOR OPTIONS

NOTES

1. SEED AND PLACE MATTING FOR EROSION CONTROL ON INTERIOR SIDESLOPES.
2. LIMIT EARTH DIKE HEIGHT TO 5 FT.
3. THE MINIMUM BASIN WIDTH SHALL BE 9 FT.
4. DETERMINE EMERGENCY SPILLWAY LENGTH (FT.) USING Q/0.8, WHERE Q IS FLOW RATE (CFS) INTO BASIN.

NOT TO SCALE

PROJECT REFERENCE NO.	SHEET NO.
B-3919	EC-3
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION SUMMARY SHEET

MATTING FOR EROSION CONTROL

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
4	-Y-	14+00	15+00	RT	165
				SUBTOTAL	165
MISCELLANEOUS MATTING TO BE INSTALLED AS DIRECTED BY THE ENGINEER					8005
				TOTAL	8170
				SAY	8500

PERMANENT SOIL REINFORCEMENT MAT

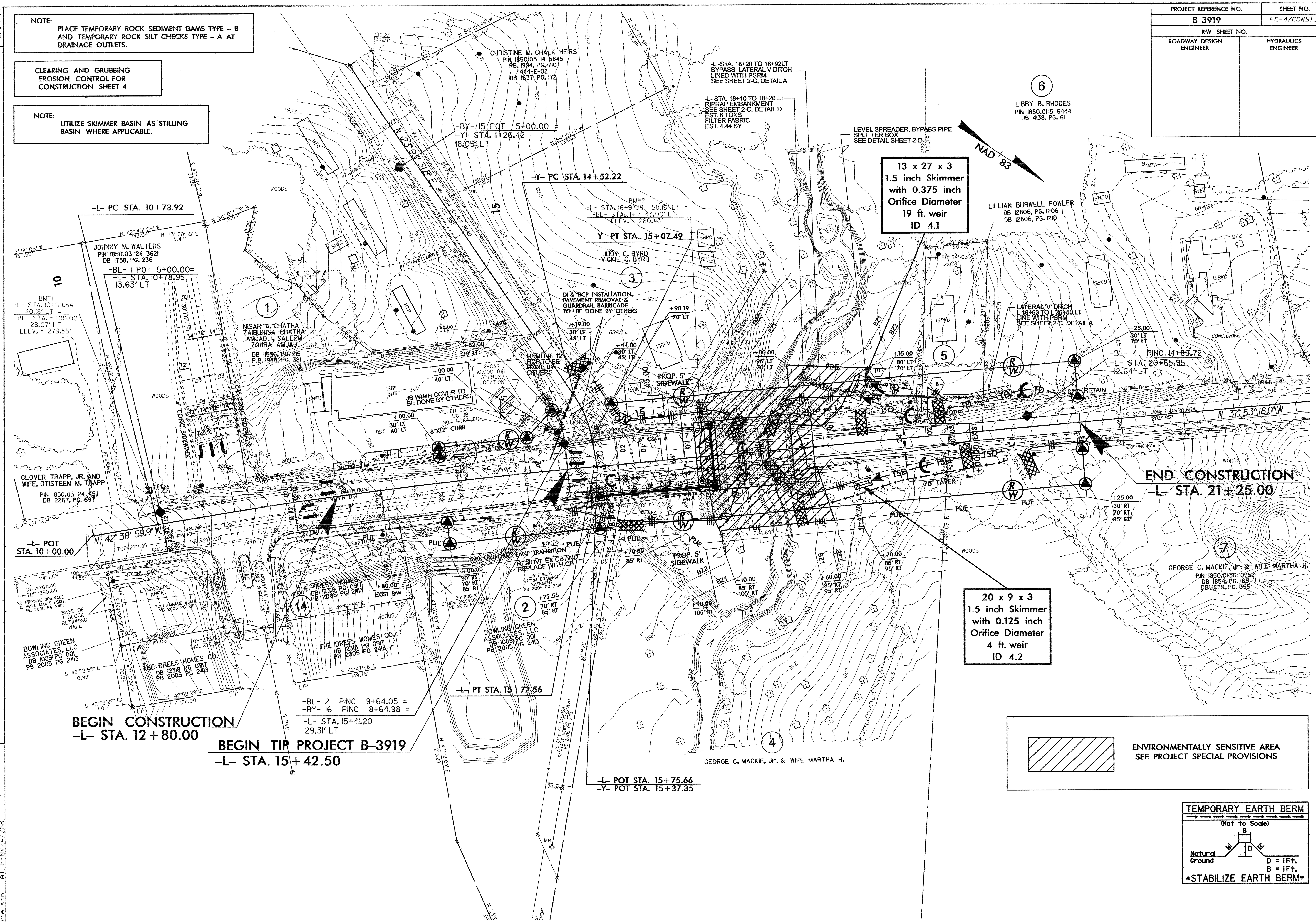
CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
5	-L-	33+00	33+50	RT	35
4	-Y-	14+00	14+50	LT	85
			SUBTOTAL		120
	ADDITIONAL PSRM TO BE INSTALLED				725
			TOTAL		845
			SAY		900

PROJECT REFERENCE NO.	SHEET NO.
B-3919	EC-4/CONST.4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 4

NOTE:
UTILIZE SKIMMER BASIN AS STILLING BASIN WHERE APPLICABLE.



-L- PC STA. 10+73.92
JOHNNY M. WALTERS
PIN 1850.03 24 3621
DB 1758, PG. 236
-BL- 1 POT 5+00.00=
-L- STA. 10+78.95
13.63' LT
BM#1
-L- STA. 10+69.84
40.18' LT =
-BL- STA. 5+00.00
28.07' LT
ELEV. = 279.55'
GLOVER TRAPP, JR. AND WIFE, OTISTEEN M. TRAPP
PIN 1850.03 24 4511
DB 2267, PG. 697
-L- POT
STA. 10+00.00
NISAR A. CHATHA
ZAIBUNISA CHATHA
AMJAD I. SALEEM
ZOHRA AMJAD
DB 11596, PG. 215
P.B. 1988, PG. 381
CHRISTINE M. CHALK HEIRS
PIN 1850.03 14 5845
PB 1994, PG. 710
1444-E-02
DB 1637 PG. 172
-BY- 15 POT 5+00.00 =
-Y- STA. 11+26.42
18.05' LT
-Y- PC STA. 14+52.22
BM#2
-L- STA. 16+97.19 58.16' LT =
-BL- STA. 11+17 43.00' LT
ELEV. = 260.43'
-Y- PT STA. 15+07.49
JUDY C. BYRD
VICKIE C. BYRD
DI & RCP INSTALLATION, PAVEMENT REMOVAL & GUARDRAIL BARRICADE TO BE DONE BY OTHERS
REMOVE 12" RCP TO BE DONE BY OTHERS
JB W/MH COVER TO BE DONE BY OTHERS
PROP. 5' SIDEWALK
-L- STA. 18+20 TO 18+92LT
BYPASS LATERAL V DITCH
LINED WITH PSRM
SEE SHEET 2-C, DETAIL A
-L- STA. 18+10 TO 18+20 LT
RIPRAP EMBANKMENT
SEE SHEET 2-C, DETAIL D
EST. 6 TONS
FILTER FABRIC
EST. 4.44 SY
LEVEL SPREADER, BYPASS PIPE
SPLITTER BOX
SEE DETAIL SHEET 2-D
NAD 83
13 x 27 x 3
1.5 inch Skimmer
with 0.375 inch
Orifice Diameter
19 ft. weir
ID 4.1
LIBBY B. RHODES
PIN 1850.0115 6444
DB 4138, PG. 61
LILLIAN BURWELL FOWLER
DB 12806, PG. 1206
DB 12806, PG. 1210
LATERAL 'V' DITCH
L 19+63 TO L 20+50 LT
LINE WITH PSRM
SEE SHEET 2-C, DETAIL A
-BL- 4 PINC 14+89.72
-L- STA. 20+65.95
12.64' LT
N 37° 53' 18.0" W
END CONSTRUCTION
-L- STA. 21+25.00
20 x 9 x 3
1.5 inch Skimmer
with 0.125 inch
Orifice Diameter
4 ft. weir
ID 4.2
GEORGE C. MACKIE, Jr. & WIFE MARTHA H.
PIN 1850.0136 0752
DB 1854, PG. 169
DB 1879, PG. 355
N 42° 38' 59.9" W
THE DREES HOMES CO.
DB 12318 PG 0917
PB 2005 PG 2413
BOWLING GREEN ASSOCIATES, LLC
DB 10891 PG 001
PB 2005 PG 2413
REMOVE EX CB AND REPLACE WITH CB
LANE TRANSITION
-L- PT STA. 15+72.56
-BL- 2 PINC 9+64.05 =
-BY- 16 PINC 8+64.98 =
-L- STA. 15+41.20
29.31' LT
BEGIN CONSTRUCTION
-L- STA. 12+80.00
BEGIN TIP PROJECT B-3919
-L- STA. 15+42.50
-L- POT STA. 15+75.66
-Y- POT STA. 15+37.35
GEORGE C. MACKIE, Jr. & WIFE MARTHA H.

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

TEMPORARY EARTH BERM
(Not to Scale)
Natural Ground
D = 1Ft.
B = 1Ft.
•STABILIZE EARTH BERM•

REVISIONS

8/17/99

01-SEP-2009 13:40
r:\environmental\design\b3919_rdy_psh4.dgn
cdierson AT REN247768

PROJECT REFERENCE NO.	SHEET NO.
B-3919	EC-5/CONST.5
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 5

NOTE:
UTILIZE SKIMMER BASIN AS STILLING BASIN WHERE APPLICABLE.

16 x 49 x 3
1.5 inch Skimmer
with 0.750 inch
Orifice Diameter
41 ft. weir
ID 5.1F
30 x 61 x 3
1.5 inch Skimmer
with 1.250 inch
Orifice Diameter
53 ft. weir
ID 5.4
36 x 18 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
10 ft. weir
ID 5.2F
NAD 83
BEGIN CONSTRUCTION
-Y1- STA. 11+90.00
BEGIN CONSTRUCTION
-L- STA. 32+50.00
END CONSTRUCTION
-DR- STA. 10+66.00
END TIP PROJECT B-3919
END CONSTRUCTION
-L- STA. 41+80.00
HERITAGE WAKE FOREST
PIN 1850.06 7806
DB 11158, PG. 1401
BM 1992, PG. 839
BM 2005 PG 2323
-BL- 6 PINC 25+15.72
-L- STA. 30+90.69
13.22' LT
-BL- 7 PINC 29+23.83 =
-L- STA. 34+97.89
13.08' LT
-L- POT STA. 36+61.25
-DR- POT STA. 10+00.00
-BL- 9 PINC 34+41.06 =
-BY9-53- (TIP NO. R-2809C)
-L- STA. 40+15.26
16.51' LT DESTROYED
-Y1- POT Sta. 10+00.00
GATEWAY COMMONS CIRCLE
GATEWAY FOREST, LLC
DB 9440 PG 378
BM 2001 PG 1555
BM 2002 PG 876
SANITARY SEWER EASEMENT
INSUFICIENT INFORMATION ON PLAT
TO DETERMINE LOCATION
N.C.D.O.T.
PSD 222-00-L
BM 2008 PG 912-918
-BL- 107 OUT OF BL CH
ADDED 6/09
-BL- 10 POT 38+62.58 =
-BY9-52- (TIP NO. R-2809C)
DESTROYED
SITE UNDER CONSTRUCTION
-L- POT STA. 43+62.26
NANCY H. DAMERON
DB 12337, PG. 2555
N 27° 11' 36.9" W
SR 2053 JONES DAIRY ROAD
N 27° 47' 19.0" W
-L- PT STA. 32+45.35
-DR- STA. 10+75.00
-L- PC STA. 37+28.85
-Y1- POT Sta. 13+00.00
-L- PT STA. 39+36.55
DOROTHY M. ADCOCK PEARCE
PIN 1850.01 16 0955
DB 7332, PG. 771
BM 1978, PG. 911
BM 1980, PG. 653
HENRY EDWARD JOYNER & WIFE CAROL P. JOYNER
PIN 1850.01 16 5402
DB 2695, PG. 227
P.B. 1978, PG. 911
HENRY EDWARD JOYNER & WIFE CAROL P. JOYNER
PIN 1850.01 16 2883
DB 8386, PG. 93
BM 1978, PG. 911
BM 1980, PG. 653
300' MEDIAN TAPER
75' TAPER
TIE SIDEWALK, 2'6" C&G, AND PAVEMENT TO DEVELOPMENT CURRENTLY UNDER CONSTRUCTION
QUAIL CROSSING RETAIL INVESTORS, LLC
DB 13418 PG 1794
BM 2001 PG 1555
BM 2004 PG 626
BM 2004 PG 1789
N.C.D.O.T.
PSD 222-00-L
ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS
REVISIONS

PROJECT REFERENCE NO.	SHEET NO.
B-3919	EC-6/CONST.4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99

REVISIONS

NOTE:
UTILIZE SKIMMER BASIN AS STILLING BASIN WHERE APPLICABLE.

13 x 27 x 3
1.5 inch Skimmer
with 0.375 inch
Orifice Diameter
19 ft. weir
ID 4.1

20 x 9 x 3
1.5 inch Skimmer
with 0.125 inch
Orifice Diameter
4 ft. weir
ID 4.2

NAD 83

CHRISTINE M. CHALK HEIRS
PIN 1850.03 14 5845
PB. 1994, PG. 710
1444-E-02
DB 1637 PG. 172

JOHNNY M. WALTERS
PIN 1850.03 24 3621
DB 1758, PG. 236

NISAR A. CHATHA
ZAIBUNISA CHATHA
AMJAD I. SALEEM
ZOHRA AMJAD
DB 11596, PG. 215
P.B. 1988, PG. 381

JUDY C. BYRD
VICKIE C. BYRD

LIBBY B. RHODES
PIN 1850.01 15 6444
DB 4138, PG. 61

LILLIAN BURWELL FOWLER
DB 12806, PG. 1206
DB 12806, PG. 1210

GLOVER TRAPP, JR. AND
WIFE, OTISTEEN M. TRAPP
PIN 1850.03 24 4511
DB 2267, PG. 897

THE DREES HOMES CO.
DB 12318 PG 0917
PB 2005 PG 2413

BOWLING GREEN
ASSOCIATES, LLC
DB 10891PG 001
PB 2005 PG 2413

GEORGE C. MACKIE, Jr. & WIFE MARTHA H.
PIN 1850.01 36 0752
DB 1854, PG. 169
DB 1879, PG. 355

-L- PC STA. 10+73.92

-BL- 1 POT 5+00.00=
-L- STA. 10+78.95
13.63' LT

BM#1
-L- STA. 10+69.84
40.18' LT =
-BL- STA. 5+00.00
28.07' LT
ELEV. = 279.55'

-BY- 15 POT 5+00.00 =
-Y- STA. 11+26.42
18.05' LT

-Y- PC STA. 14+52.22

BM#2
-L- STA. 16+97.19 58.16' LT =
-BL- STA. 11+17 43.00' LT
ELEV. = 260.43'

-Y- PT STA. 15+07.49

-L- STA. 18+20 TO 18+92LT
BYPASS LATERAL V DITCH
LINED WITH PSRM
SEE SHEET 2-C, DETAIL A

-L- STA. 18+10 TO 18+20 LT
RIPRAP EMBANKMENT
SEE SHEET 2-C, DETAIL D
EST. 6 TONS
FILTER FABRIC
EST. 4.44 SY

LEVEL SPREADER, BYPASS PIPE
SPLITTER BOX
SEE DETAIL SHEET 2-D

LATERAL 'V' DITCH
L 19+63 TO L 20+50 LT
LINE WITH PSRM
SEE SHEET 2-C, DETAIL A

-BL- 4 PINC 14+89.72
-L- STA. 20+65.95
12.64' LT

-BL- 2 PINC 9+64.05 =
-BY- 16 PINC 8+64.98 =
-L- STA. 15+41.20
29.31' LT

-L- PT STA. 15+72.56

-L- POT STA. 15+75.66
-Y- POT STA. 15+37.35

BEGIN CONSTRUCTION
-L- STA. 12+80.00

BEGIN TIP PROJECT B-3919
-L- STA. 15+42.50

END CONSTRUCTION
-L- STA. 21+25.00

DI & RCP INSTALLATION, PAVEMENT REMOVAL & GUARDRAIL BARRICADE TO BE DONE BY OTHERS

REMOVE 12" RCP TO BE DONE BY OTHERS

JB W/MH COVER TO BE DONE BY OTHERS

PROP. 5' SIDEWALK

REMOVE EX CB AND REPLACE WITH CB

540' UNIFORM LANE TRANSITION

75' TAPER

TEMPORARY EARTH BERM
(Not to Scale)
B
D
Natural Ground
D = 1Ft.
B = 1Ft.
STABILIZE EARTH BERM

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PROJECT REFERENCE NO.	SHEET NO.
B-3919	EC-7/CONST.5
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99

REVISIONS

NOTE:
UTILIZE SKIMMER BASIN AS STILLING BASIN WHERE APPLICABLE.

PLUG SPLITTER BOX UNTIL SKIMMER BASIN 5.4 IS REMOVED.

16 x 49 x 3
1.5 inch Skimmer
with 0.750 inch
Orifice Diameter
41 ft. weir
ID 5.1F

30 x 61 x 3
1.5 inch Skimmer
with 1.250 inch
Orifice Diameter
53 ft. weir
ID 5.4

36 x 18 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
10 ft. weir
ID 5.2F

BEGIN CONSTRUCTION
-L- STA. 32+50.00

BEGIN CONSTRUCTION
-L- STA. 11+90.00

END CONSTRUCTION
-DR- STA. 10+66.00

END CONSTRUCTION
-L- STA. 41+80.00

END TIP PROJECT B-3919

-L- PT STA. 32+45.35

-L- PC STA. 37+28.85

-L- POT STA. 36+61.25
-DR- POT STA. 10+00.00

-Y1- POT Sta. 10+00.00

-Y1- POT Sta. 13+00.00

-L- PT STA. 39+36.55

-L- POT STA. 43+62.26

-BL- 6 PINC 25+15.72
-L- STA. 30+90.69
13.22' LT

-BL- 7 PINC 29+23.83 =
-L- STA. 34+97.89
13.08' LT

-BL- 9 PINC 34+41.06 =
-BY9-53- (TIP NO. R-2809C)
-L- STA. 40+15.26
16.51' LT DESTROYED

-BL- 10 POT 38+62.58 =
-BY9-52- (TIP NO. R-2809C)
DESTROYED

-BL- 107 OUT OF BL CH
ADDED 6/09

-L- STA. 37+80 TO 37+90 LT
RIPRAP EMBANKMENT
SEE SHEET 2-C, DETAIL D
EST. 6 TONS
FILTER FABRIC
EST. 4.44 SY

-L- STA. 38+10 TO 38+40 RT
RIPRAP EMBANKMENT
SEE SHEET 2-C, DETAIL D
EST. 6 TONS
FILTER FABRIC
EST. 13.33 SY

LEVEL SPREADER
BYPASS 2' BASE DITCH
LINED WITH PSRM
-L- STA 37+90 TO 38+90 LT
SEE SHEET 2-C, DETAIL B

LEVEL SPREADER, BYPASS PIPE
SPLITTER BOX-SEE DETAIL SHEET 2-D

2' LATERAL BASE DITCH
-L- 35+00 TO 37+25RT
LINE W/PSRM
SEE SHEET 2-C,
DETAIL B

CL. B OUTLET
PROTECTION
EST. 3 TONS
FILTER FABRIC
EST. 10 SY

STA. -L- 37+25 TO 37+66 RT
WIDEN DITCH FROM 2' BASE DITCH
TO 8' WIDE BASE DITCH LINED WITH
PSRM DETAIL C. PLACE 8' LONG
X 16' WIDE X 1' DEEP CL B RIPRAP PAD
WITH FILTER FABRIC AT END OF DITCH ON
EXISTING GRADE.
EST. 6 TONS
FILTER RABRIC
EST. 14 SY

PREFORMED
SCOUR HOLE
SEE DETAIL C
SHEET 2-C

CL. B OUTLET
PROTECTION
EST. 8 TONS
FILTER FABRIC
EST. 21 SY

REMOVE FES
AND RIPRAP
JBOX WITH
MH COVER

RETAIN OR
ADJUST GRATE

TIE SIDEWALK, 2'6" C&G
AND PAVEMENT TO DEVELOPMENT
CURRENTLY UNDER CONSTRUCTION

SITE UNDER CONSTRUCTION

SITE UNDER CONSTRUCTION

75' TAPER

300' MEDIAN TAPER

JB WITH
MH COVER

LINE TIE WITH PSRM
-L- 33+50 TO 35+00RT

HERITAGE WAKE FOREST
PIN 1850.06 7806
DB 11158, PG. 1401
BM 1992, PG. 839
BM 2005 PG 2323

GATEWAY FOREST, LLC
DB 9440 PG 378
BM 2001PG 1555
BM 2002 PG 876
* SANITARY SEWER EASEMENT
INSUFICIENT INFORMATION ON PLAT
TO DETERMINE LOCATION
N.C.D.O.T.
PSD 222-00-L
BM 2008 PG 912-918

NANCY H. DAMERON
DB 12337, PG. 2555

DOROTHY M. ADCOCK PEARCE
PIN 1850.01 16 1955
DB 7332, PG. 771
BM 1978, PG. 911
BM 1980, PG. 653

HENRY EDWARD JOYNER & WIFE CAROL P. JOYNER
PIN 1850.01 16 5402
DB 2695, PG. 227
P.B. 1978, PG. 911

HENRY EDWARD JOYNER & WIFE CAROL P. JOYNER
PIN 1850.01 16 2883
DB 8386, PG. 93
BM 1978, PG. 911
BM 1980, PG. 653

QUAIL CROSSING RETAIL
INVESTORS, LLC
DB 13418 PG 1794
BM 2001PG 1555
BM 2004 PG 626
BM 2004 PG 1789
N.C.D.O.T.
PSD 222-00-I

BM#3
-L- STA. 37+36.45 48.05' RT =
-BL- STA. 31+62.00 62.00' RT
ELEV. = 283.02'

BM#4
-L- STA. 43+62.26 54.14' OC
-BL- STA. 38+07 63.0
ELEV. = 294.32'

SMITHS CREEK IS PROPERTY LINE

CENTERLINE OF SMITHS CREEK IS PROPERTY LINE

SR 2053 JONES DAIRY ROAD

GATEWAY COMMONS CIRCLE

NAD 83

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