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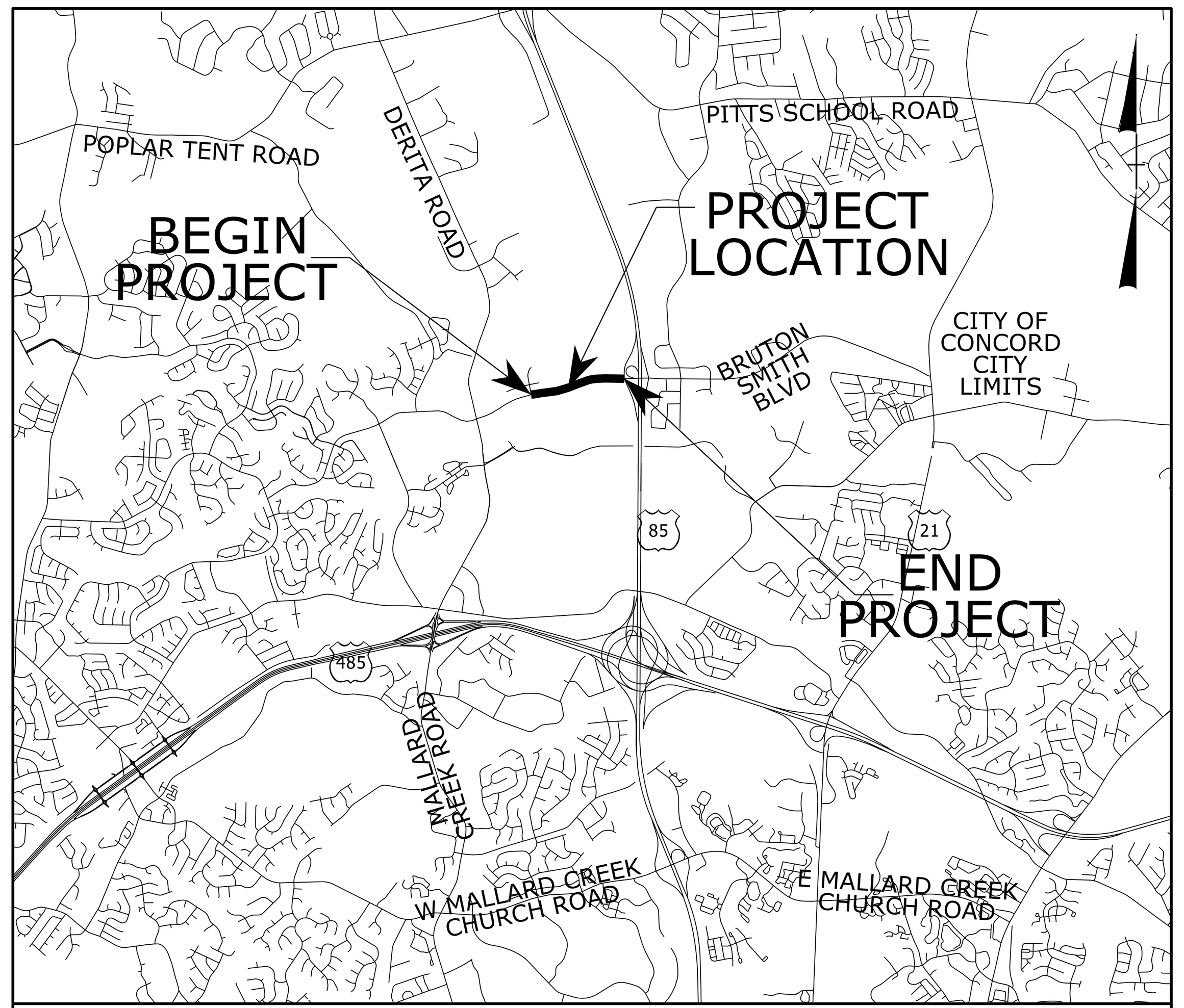
This file or an individual page shall not be considered a certified document.

TIP PROJECT: U-5806

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5806	EC-1	

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



VICINITY MAP

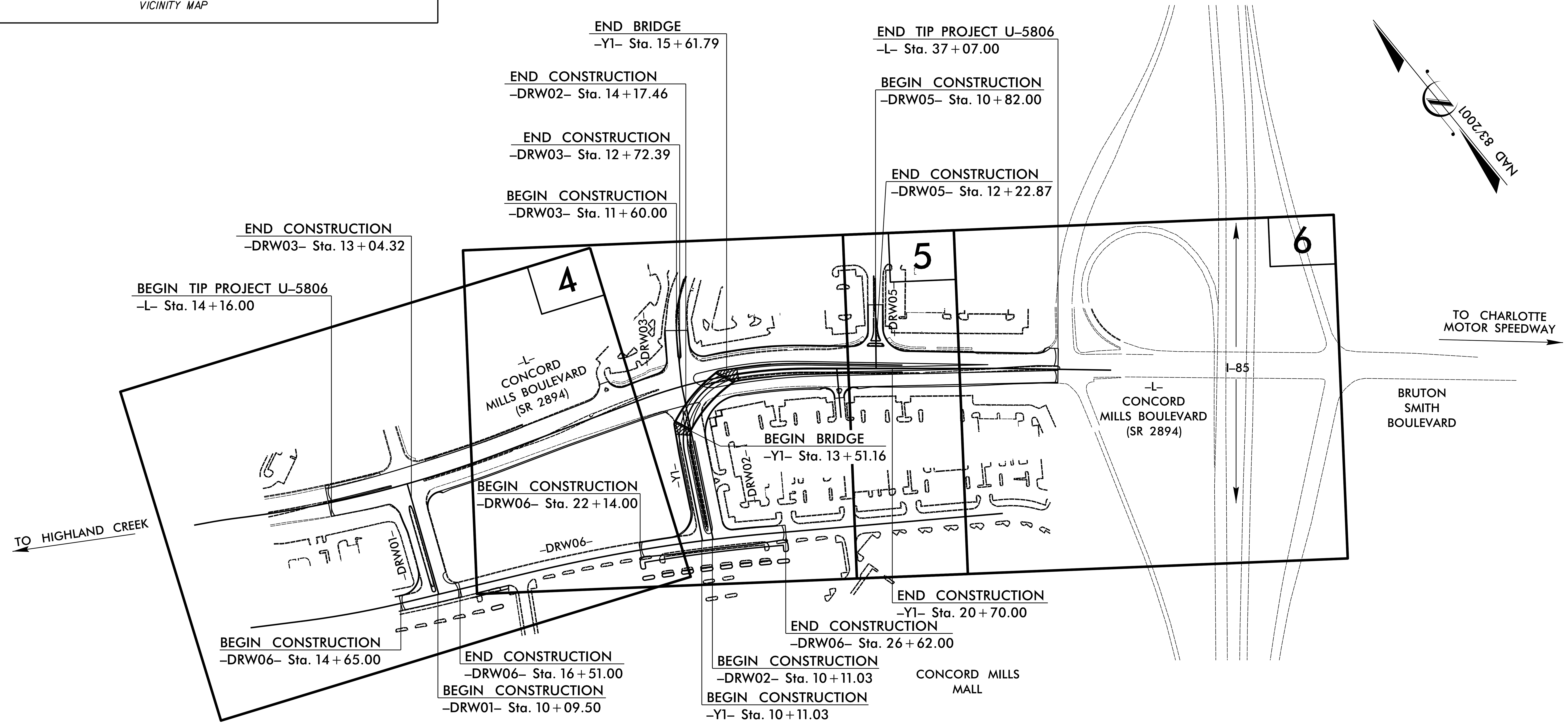
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL

CABARRUS COUNTY

LOCATION: ***INTERSECTION OF SR 2894 (CONCORD MILLS BOULEVARD) AND ENTRANCE NO.1 (KINGS GRANT PAVILION)***

TYPE OF WORK: ***GRADING, DRAINAGE, PAVING, RETAINING WALLS AND STRUCTURE***



EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	TSD
1630.05	Temporary Diversion	TD
1605.01	Temporary Silt Fence	
1606.01	Special Sediment Control Fence	
1622.01	Temporary Berms and Slope Drains	
1630.02	Silt Basin Type B	
1633.01	Temporary Rock Silt Check Type-A	
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	
1633.02	Temporary Rock Silt Check Type-B	
	Wattle/ Coir Fiber Wattle	EW / CFW
	Wattle/ Coir Fiber Wattle with Polyacrylamide (PAM)	
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.

GRAPHIC SCALE

0

PLANS

0

PROFILE (HORIZONTAL)

0

PROFILE (VERTICAL)

ROADSIDE ENVIRONMENTAL UNIT
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH THE REGULATIONS SET FORTH BY THE NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE AUGUST 1, 2016 ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES DIVISION OF WATER QUALITY.

Prepared in the Office of:

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

2012 STANDARD SPECIFICATIONS

Designed by:

Natalie Chan, P.E. 3444
NAME *LEVEL III CERTIFICATION NO.*

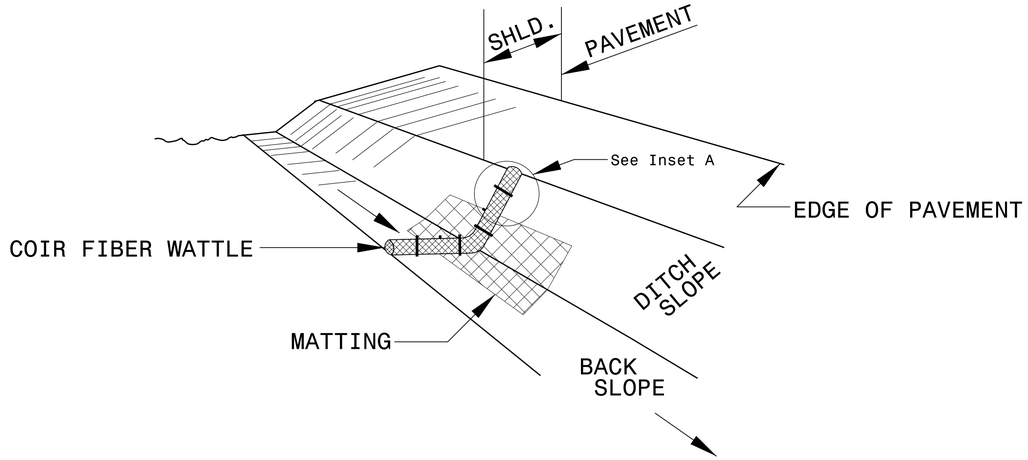
Roadway Standard Drawings

The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2012 and the latest revison thereto are applicable to this project and by reference hereby are considered a part of these plans.

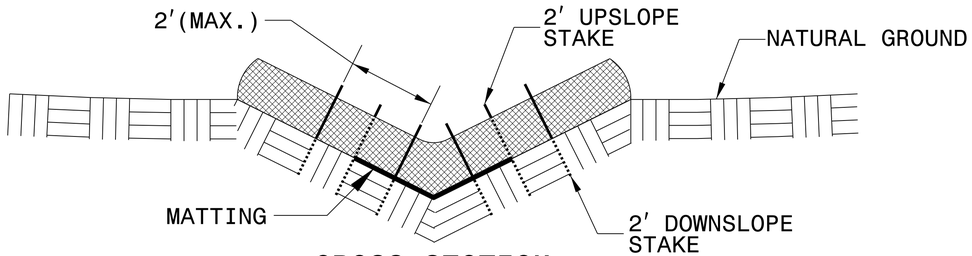
1604.01	Railroad Erosion Control Detail	1632.01	Rock Inlet Sediment Trap Type A
1605.01	Temporary Silt Fence	1632.02	Rock Inlet Sediment Trap Type B
1606.01	Special Sediment Control Fence	1632.03	Rock Inlet Sediment Trap Type C
1607.01	Gravel Construction Entrance	1633.01	Temporary Rock Silt Check Type A
1622.01	Temporary Berms and Slope Drains	1633.02	Temporary Rock Silt Check Type B
1630.01	Riser Basin	1634.01	Temporary Rock Sediment Dam Type A
1630.02	Silt Basin Type B	1634.02	Temporary Rock Sediment Dam Type B
1630.03	Temporary Silt Ditch	1635.01	Rock Pipe Inlet Sediment Trap Type A
1630.04	Stilling Basin	1635.02	Rock Pipe Inlet Sediment Trap Type B
1630.05	Temporary Diversion	1640.01	Coir Fiber Baffle
1630.06	Special Stilling Basin	1645.01	Temporary Stream Crossing
1631.01	Matting Installation		

PROJECT REFERENCE NO.	SHEET NO.
U-5806	EC-2
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

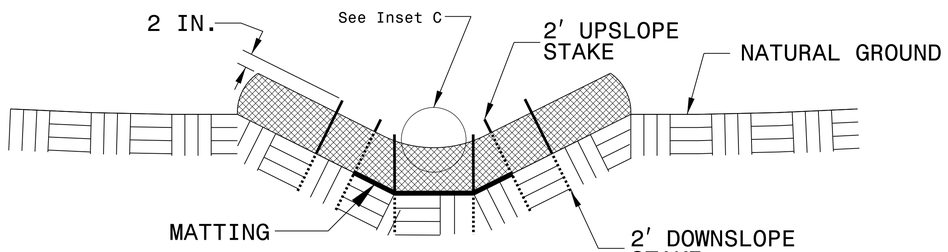
COIR FIBER WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL



ISOMETRIC VIEW



CROSS SECTION VEE DITCH



CROSS SECTION TRAPEZOIDAL DITCH

NOTES:

USE MINIMUM 12 IN. DIAMETER COIR FIBER (COCONUT FIBER) WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL 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.

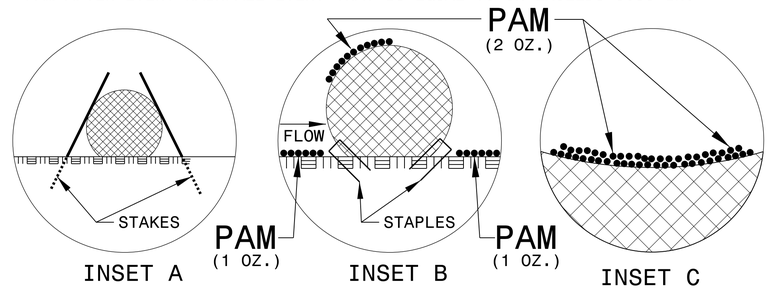
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12″ IN LENGTH.

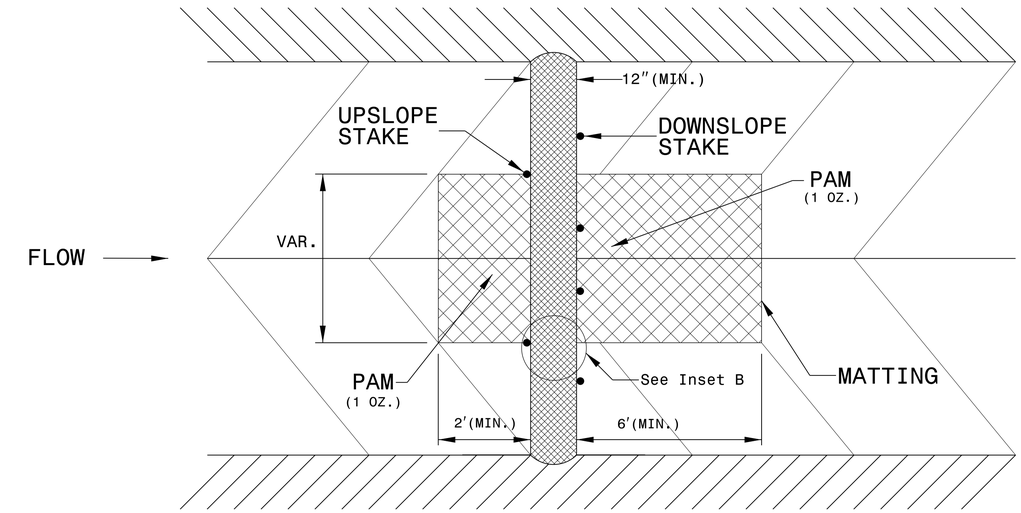
INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

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 2 OUNCES OF ANIONIC OR NEUTRALLY CHARGED PAM OVER WATTLE WHERE WATER WILL FLOW AND 1 OUNCE OF PAM ON MATTING ON EACH SIDE OF WATTLE. REAPPLY PAM AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.

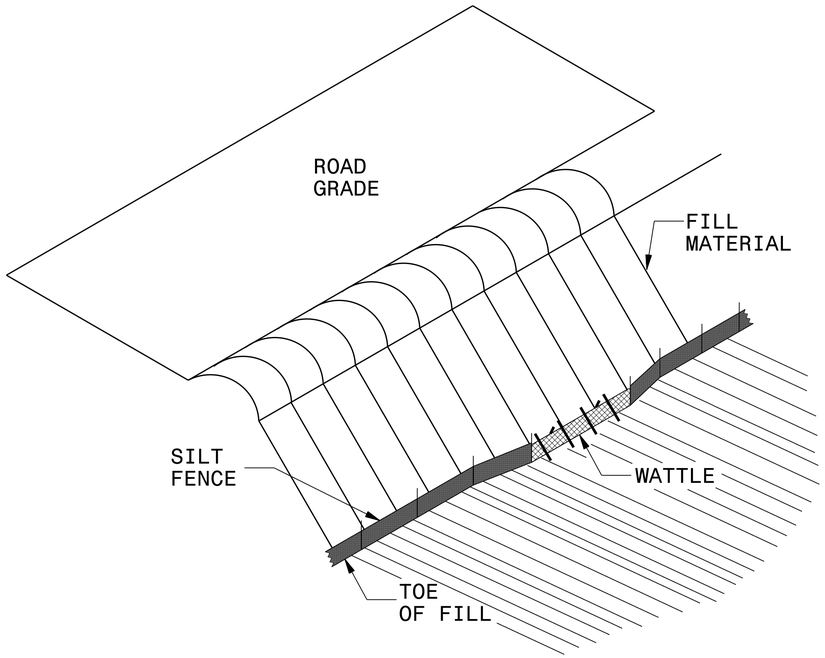




TOP VIEW

SILT FENCE COIR FIBER WATTLE BREAK DETAIL

PROJECT REFERENCE NO.	SHEET NO.
U-5806	EC-2A
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



ISOMETRIC VIEW

NOTES:

USE MINIMUM 12 IN. DIAMETER COIR FIBER (COCONUT FIBER) WATTLE AND LENGTH OF 10 FT.

EXCAVATE A 1 TO 2 INCH TRENCH FOR WATTLE TO BE PLACED.

DO NOT PLACE WATTLE ON TOE OF SLOPE.

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

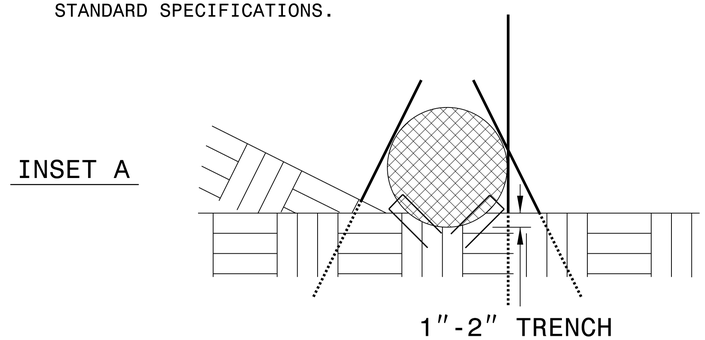
INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO GROUND.

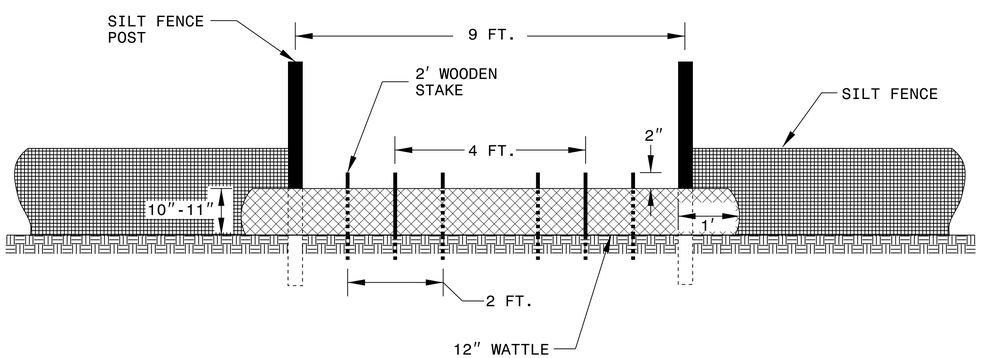
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12″ IN LENGTH.

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

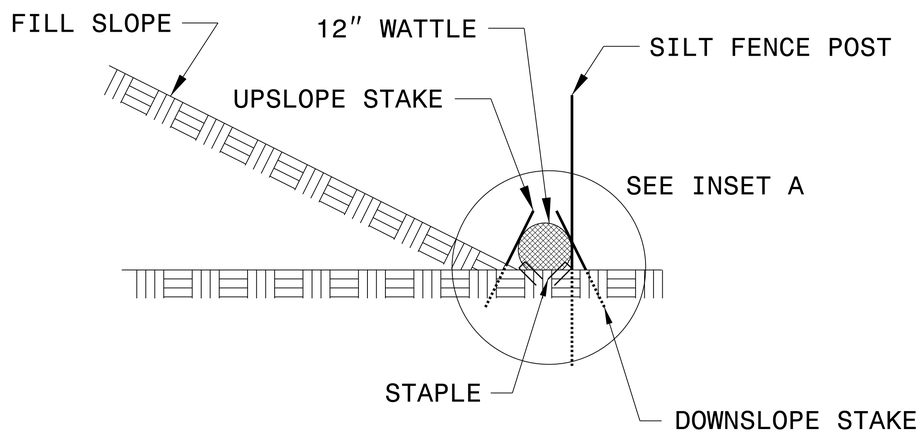
WATTLE INSTALLATION CAN BE ON OUTSIDE OF THE SILT FENCE AS DIRECTED.

INSTALL TEMPORARY SILT FENCE IN ACCORDANCE WITH SECTION 1605 OF THE STANDARD SPECIFICATIONS.





VIEW FROM SLOPE



SIDE VIEW

PROJECT REFERENCE NO.	SHEET NO.
U-5806	EC-3
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION TIMEFRAMES

SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES.

PROJECT REFERENCE NO.	SHEET NO.
U-5806	EC-4/CONST.4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4

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

–L–

PI Sta 10+92.19
△ = 3° 22' 19.4" (RT)
D = 3° 49' 11.0"
L = 88.28'
T = 44.15'
R = 1,500.00'
DS = 50 MPH
SE = EXIST
RO = EXIST

PI Sta 15+50.98
△ = 13° 41' 15.4" (LT)
D = 1° 39' 30.0"
L = 825.38'
T = 414.66'
R = 3,455.00'
DS = 50 MPH
SE = EXIST
RO = EXIST

–DRW06–

PI Sta 13+15.58
△ = 6° 12' 14.8" (LT)
D = 1° 54' 35.5"
L = 630.19'
T = 162.58'
R = 3,000.00'
DS = 30 MPH
SE = EXIST
RO = EXIST

PI Sta 22+46.71
△ = 8° 30' 53.5" (RT)
D = 1° 08' 45.3"
L = 743.06'
T = 372.22'
R = 5,000.00'
DS = 30 MPH
SE = EXIST
RO = EXIST

NAD 83/95 NC GRID

BEGIN TIP PROJECT U-5806
BEGIN CONSTRUCTION
–L– POC Sta.14+16.00

–L– PRC Sta. 11+36.31

–L– POT Sta. 10+00.00

10+00
S 61° 20' 31.6" E

–L– PC Sta. 10+48.03

–EL–1 N 61° 20' 31.6" W

–DRW06– PC Sta. 11+52.99

–DRW06– POT Sta. 10+00.00

10+00
S 58° 09' 08.8" E

–DRW06– MALL LOOP

–L– POC Sta.16+63.32 =
–DRW01– POT Sta. 13+50.82
△ = 89° 50' 22.4"

–EL–1 PI Sta 31+92.21 (RT)
△ = 3° 49' 11.0"
D = 3° 49' 11.0"
L = 255.66'
T = 127.94'
R = 1,500.00'

–EY– 21° 03.8" E

15+00

–L– CONCORD MILLS BOULEVARD

–DRW01– BEXLEY WAY

–DRW01– CONCORD MILLS DRIVEWAY 1

N 23° 07' 47.6" E

–DRW06– PT Sta. 14+77.84
BEGIN CONSTRUCTION
–DRW06– POC Sta.14+65.00

–DRW01– POT Sta. 10+00.00 =
–DRW06– POT Sta. 15+84.18
△ = 92° 30' 48.8"

–EL–2 N 64° 21' 23.6" W
S 64° 21' 23.6" E

–DRW06– PC Sta. 18+74.49

END CONSTRUCTION
–DRW06– POT Sta.18+01.84

20+00
S 71° 39' 27.6" E

–EL–1 N 71° 01' 53.1" W

280' TURNING BAY TAPER

515' TURNING BAY TAPER

–L– PT Sta. 19+61.69

MATCHLINE –L– STA 22+50 (SHEET 5)

MATCHLINE –DRW06– STA 21+50 (SHEET 5)

LAXMI HOLDINGS OF COLONNADE, LLC
LAXMI HOLDINGS OF COLONNADE, LLC
DB 10382 PG 112
MB 45 PG 83, LOT 2

LANDERS PROPERTY HOLDINGS, LLC
LANDERS PROPERTY HOLDINGS, LLC
DB 11507 PG 130
MB 45 PG 83, LOT 3

(13) WMCI CHARLOTTE XIV LLC
DB 9806 PG 114
MB 54 PG 45–46
WMCI CHARLOTTE XIV, LLC

(1) NATIONAL RETAIL PROPERTIES, LP
DB 7473 PG 151
NATIONAL RETAIL PROPERTIES, LP
MB 34 PG 57, LOT B–1

STEAK N SHAKE OPERATIONS, INC
STEAK N SHAKE OPERATIONS, INC
DB 8096 PG 191
MB 34 PG 57, LOT B–2

(2) MALL AT CONCORD MILLS LP
DB 10206 PG 313
MALL AT CONCORD MILLS, LP

(2) MALL AT CONCORD MILLS LP
DB 10206 PG 313

POND

RETAIN EXISTING C&G AND GUARDRAIL

RETAIN EXISTING SHOULDER BERM GUTTER SBG AND GUARDRAIL

PAVE TO EXIST SBG

REMOVE EXISTING GUARDRAIL

RETAIN EXISTING ISLAND

RETAIN ISLAND

RETAIN EXISTING CURB AND GUTTER

AREA TO BE STRIPED

5° CONC ISLAND

DO NOT DISTURB SIGN

DO NOT DISTURB SIGN

6.25' R

FOR INTERSECTION DETAILS, SEE SHEET 2B–1
FOR DRAINAGE DETAILS, SEE SHEET 2D–1
FOR –L– PROFILE, SEE SHEET 7
FOR –DRW01– PROFILE, SEE SHEET 8
FOR –DRW06– PROFILE, SEE SHEET 9

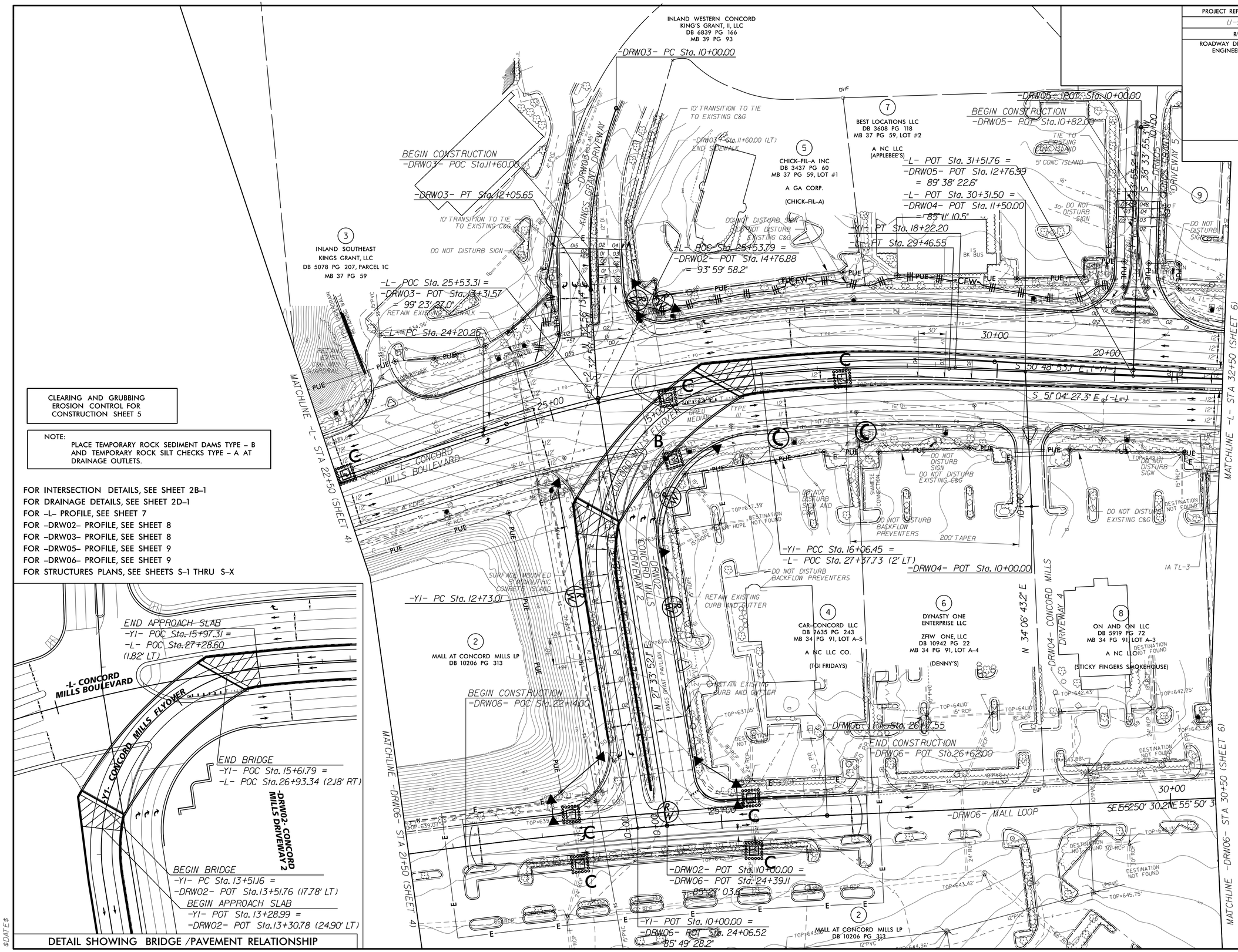
$DATE$

PROJECT REFERENCE NO.	SHEET NO.
U-5806	EC-5/CONST.5
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 5

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

FOR INTERSECTION DETAILS, SEE SHEET 2B–1
FOR DRAINAGE DETAILS, SEE SHEET 2D–1
FOR –L– PROFILE, SEE SHEET 7
FOR –DRW02– PROFILE, SEE SHEET 8
FOR –DRW03– PROFILE, SEE SHEET 8
FOR –DRW05– PROFILE, SEE SHEET 9
FOR –DRW06– PROFILE, SEE SHEET 9
FOR STRUCTURES PLANS, SEE SHEETS S–1 THRU S–X



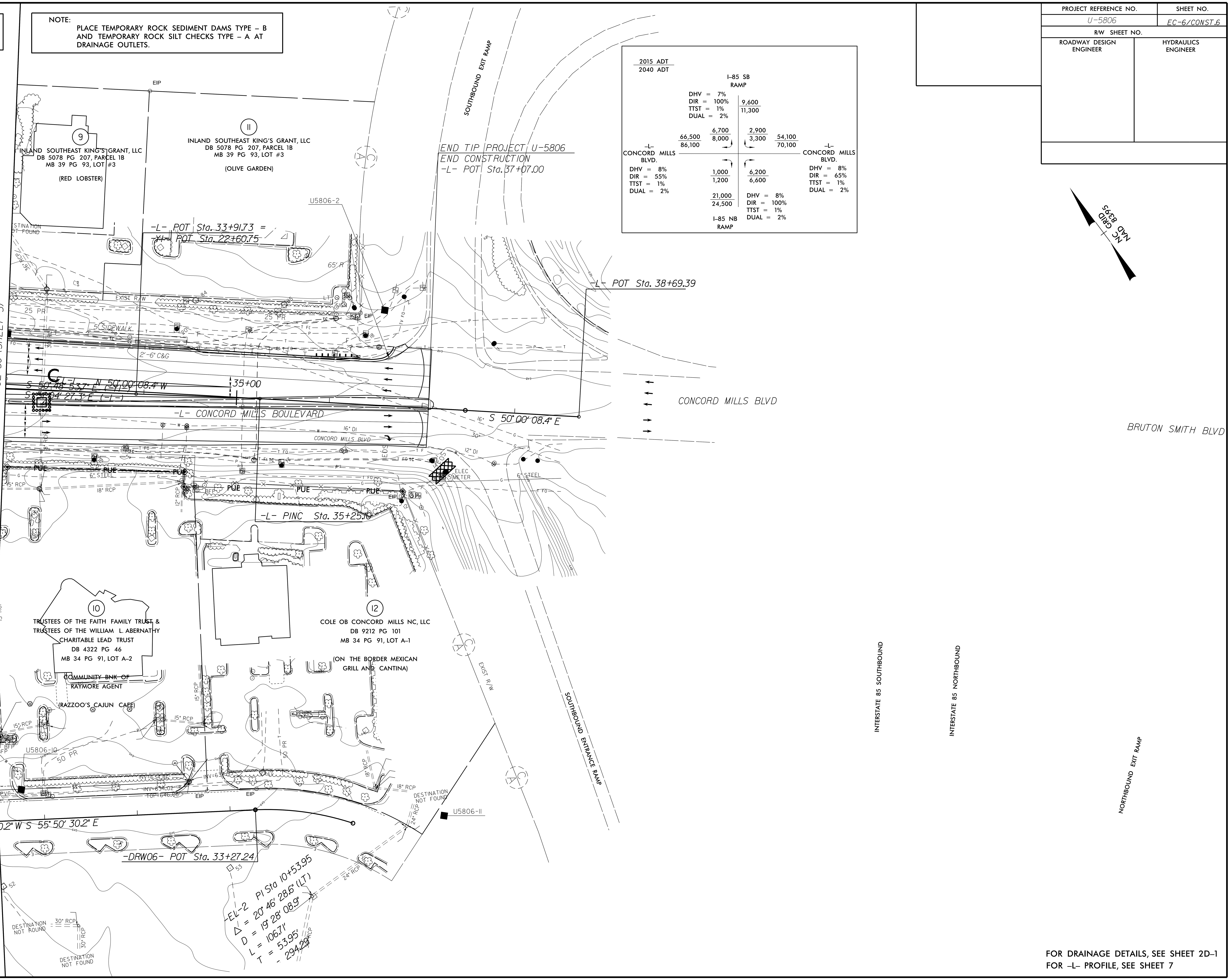
DETAIL SHOWING BRIDGE /PAVEMENT RELATIONSHIP

$DATE$

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 6

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

PROJECT REFERENCE NO.	SHEET NO.
U-5806	EC-6/CONST.6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



2015 ADT
2040 ADT
I-85 SB RAMP
DHV = 7%
DIR = 100%
TTST = 1%
DUAL = 2%
9,600
11,300
6,700
8,000
2,900
3,300
66,500
86,100
54,100
70,100
-L- CONCORD MILLS BLVD.
DHV = 8%
DIR = 55%
TTST = 1%
DUAL = 2%
1,000
1,200
6,200
6,600
-L- CONCORD MILLS BLVD.
DHV = 8%
DIR = 65%
TTST = 1%
DUAL = 2%
21,000
24,500
DHV = 8%
DIR = 100%
TTST = 1%
DUAL = 2%
I-85 NB RAMP
NAD 83/95
NC GRID
SOUTHBOUND EXIT RAMP
END TIP PROJECT U-5806
END CONSTRUCTION
-L- POT Sta. 37+07.00
U5806-2
INLAND SOUTHEAST KING'S GRANT, LLC
DB 5078 PG 207, PARCEL 1B
MB 39 PG 93, LOT #3
(RED LOBSTER)
(OLIVE GARDEN)
-L- POT Sta. 33+91.73 =
-Y1- POT Sta. 22+60.75
-L- POT Sta. 38+69.39
S 50°00' 08.4" E
35+00
-L- CONCORD MILLS BOULEVARD
CONCORD MILLS BLVD
BRUTON SMITH BLVD
MATCHLINE -L- STA 32+50 (SHEET 5)
-L- PINC Sta. 35+25.10
ELEC METER
TRUSTEES OF THE FAITH FAMILY TRUST &
TRUSTEES OF THE WILLIAM L. ABERNATHY
CHARITABLE LEAD TRUST
DB 4322 PG 46
MB 34 PG 91, LOT A-2
COMMUNITY BNK OF RAYMORE AGENT
(RAZZOO'S CAJUN CAFE)
COLE OB CONCORD MILLS NC, LLC
DB 9212 PG 101
MB 34 PG 91, LOT A-1
(ON THE BORDER MEXICAN GRILL AND CANTINA)
EXIST R/W
SOUTHBOUND ENTRANCE RAMP
INTERSTATE 85 SOUTHBOUND
INTERSTATE 85 NORTHBOUND
NORTHBOUND EXIT RAMP
U5806-10
U5806-11
S 55°50' 30.2" E
-DRW06- POT Sta. 33+27.24
MATCHLINE -DRW06- STA 30+50 (SHEET 5)
-EL-2 PI Sta 10+53.95
Δ = 20°46' 28.6" (LT)
D = 19°28' 08.9"
L = 106.71'
T = 53.95
R = 294.29'
DESTINATION NOT FOUND

FOR DRAINAGE DETAILS, SEE SHEET 2D-1
FOR -L- PROFILE, SEE SHEET 7

$DATE$

PROJECT REFERENCE NO.	SHEET NO.
U-5806	EC-7/CONST.4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

-L-

PI Sta 10+92.19	PI Sta 15+50.98
△ = 3° 22' 19.4" (RT)	△ = 13° 41' 15.4" (LT)
D = 3° 49' 11.0"	D = 1° 39' 30.0"
L = 88.28'	L = 825.38'
T = 44.15'	T = 414.66'
R = 1,500.00'	R = 3,455.00'
DS = 50 MPH	DS = 50 MPH
SE = EXIST	SE = EXIST
RO = EXIST	RO = EXIST

-DRW06-

PI Sta 13+15.58	PI Sta 22+46.71
△ = 6° 12' 14.8" (LT)	△ = 8° 30' 53.5" (RT)
D = 1° 54' 35.5"	D = 1° 08' 45.3"
L = 630.19'	L = 743.06'
T = 162.58'	T = 372.22'
R = 3,000.00'	R = 5,000.00'
DS = 30 MPH	DS = 30 MPH
SE = EXIST	SE = EXIST
RO = EXIST	RO = EXIST

NAD 83 GRID NC

BEGIN TIP PROJECT U-5806
BEGIN CONSTRUCTION
-L- POC Sta.14+16.00

-L- PRC Sta. 11+36.31

-L- POT Sta. 10+00.00

10+00
S 61° 20' 31.6" E

-L- PC Sta. 10+48.03

-EL-1 N 61° 20' 31.6" W

-DRW06- PC Sta. 11+52.99

-DRW06- POT Sta. 10+00.00

10+00
S 58° 09' 08.8" E

-DRW06- PT Sta. 14+77.84
BEGIN CONSTRUCTION
-DRW06- POC Sta.14+65.00

-DRW06- MALL LOOP

-L- POC Sta. 16+63.32 =
-DRW01- POT Sta. 13+50.82
△ = 89° 50' 22.4"

-EL-1 PI Sta 31+21.5 (RT)
D = 1° 49' 11.0"
L = 253.66'
T = 127.14'
R = 1,500.00'

-DRW01- POT Sta. 10+00.00 =
-DRW06- POT Sta. 15+84.18
△ = 92° 30' 48.8"

-DRW01-
BEXLEY WAY

-DRW01- CONCORD MILLS DRIVEWAY

-L- PT Sta. 19+61.69

280' TURNING BAY TAPER

515' TURNING BAY TAPER

-EL-1 N 71° 01' 53.1" E

S 71° 39' 27.6" E

-L- CONCORD MILLS BOULEVARD

-EL-2 N 64° 21' 23.6" W

S 64° 21' 23.6" E

-DRW06- PC Sta. 18+74.49

END CONSTRUCTION
-DRW06- POT Sta.18+01.84

MATCHLINE -L- STA 22+50 (SHEET 5)

MATCHLINE -DRW06- STA 21+50 (SHEET 5)

LAXMI HOLDINGS OF COLONNADE, LLC
DB 10382 PG 112
MB 45 PG 83, LOT 2

LANDERS PROPERTY HOLDINGS, LLC
DB 11507 PG 130
MB 45 PG 83, LOT 3

(13) WMCI CHARLOTTE XIV LLC
DB 9806 PG 114
MB 54 PG 45-46
WMCI CHARLOTTE XIV, LLC

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DB 8096 PG 191
MB 34 PG 57, LOT B-2

(1) NATIONAL RETAIL PROPERTIES, LP
DB 9473 PG 151
MB 34 PG 57, LOT B-1

(2) MALL AT CONCORD MILLS LP
DB 10206 PG 313
MALL AT CONCORD MILLS, LP

(2) MALL AT CONCORD MILLS LP
DB 10206 PG 313

POND

RETAIN EXISTING C&G AND GUARDRAIL

RETAIN EXISTING SHOULDER BERM GUTTER SBG AND GUARDRAIL

PAVE TO EXIST SBG

REMOVE EXISTING GUARDRAIL

RETAIN EXISTING ISLAND

RETAIN ISLAND

4' FDPS

5' CONC ISLAND

RETAIN EXISTING CURB AND GUTTER

AREA TO BE STRIPED

DO NOT DISTURB SIGN

DO NOT DISTURB SIGN

6.25' R

(7+36.14 (DRW06)
74.33' RT

(7+36.31 (DRW06)
86.83' RT

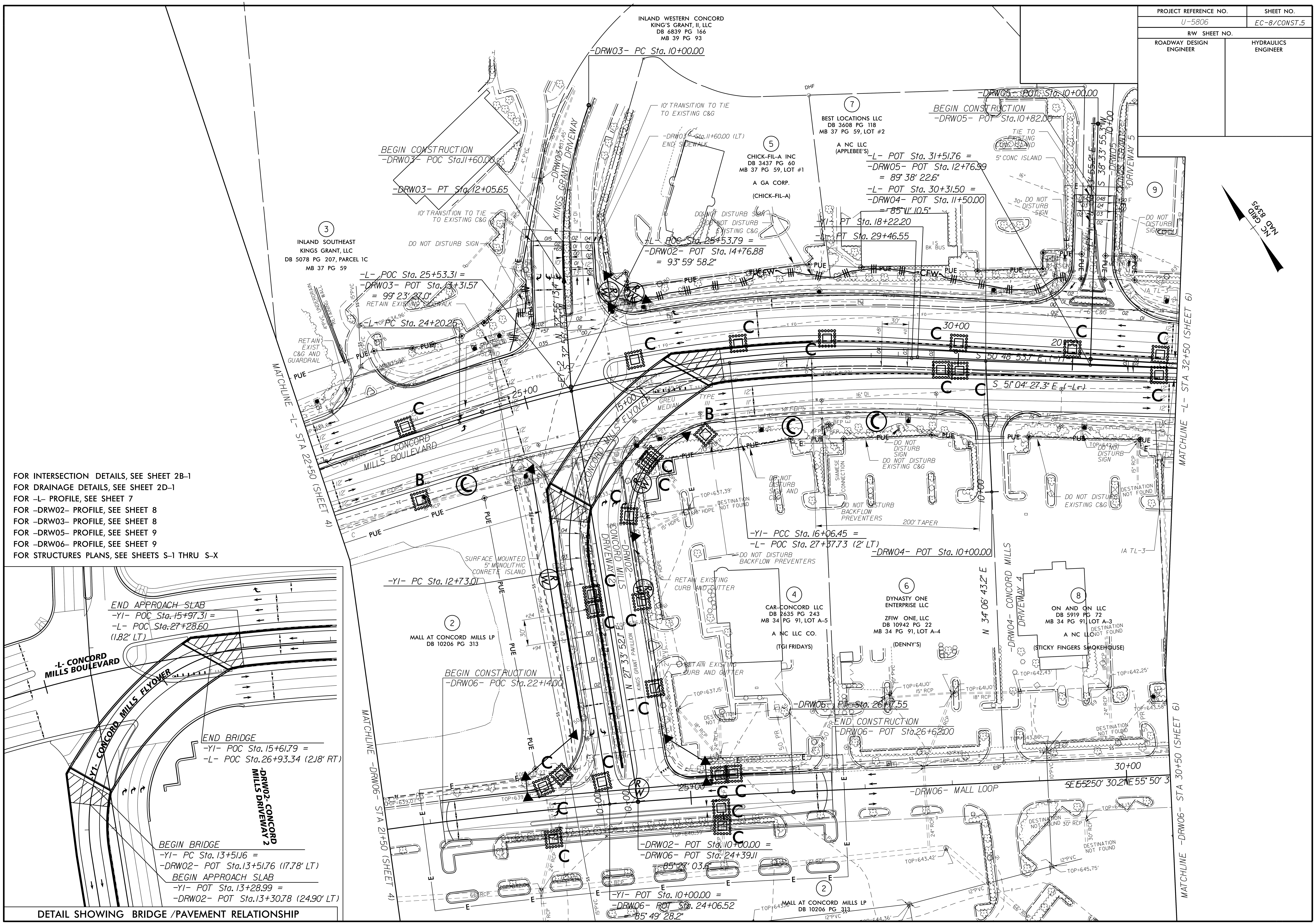
(7+61.74 (DRW06)
73.98' RT

(7+61.91 (DRW06)
86.48' RT

FOR INTERSECTION DETAILS, SEE SHEET 2B-1
FOR DRAINAGE DETAILS, SEE SHEET 2D-1
FOR -L- PROFILE, SEE SHEET 7
FOR -DRW01- PROFILE, SEE SHEET 8
FOR -DRW06- PROFILE, SEE SHEET 9

$DATE$

PROJECT REFERENCE NO.	SHEET NO.
U-5806	EC-8/CONST.5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



FOR INTERSECTION DETAILS, SEE SHEET 2B-1
FOR DRAINAGE DETAILS, SEE SHEET 2D-1
FOR -L- PROFILE, SEE SHEET 7
FOR -DRW02- PROFILE, SEE SHEET 8
FOR -DRW03- PROFILE, SEE SHEET 8
FOR -DRW05- PROFILE, SEE SHEET 9
FOR -DRW06- PROFILE, SEE SHEET 9
FOR STRUCTURES PLANS, SEE SHEETS S-1 THRU S-X

$DATE$

PROJECT REFERENCE NO.	SHEET NO.
U-5806	EC-9/CONST.6
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

2015 ADT
2040 ADT

I-85 SB RAMP
DHV = 7%
DIR = 100%
TTST = 1%
DUAL = 2%

9,600 / 11,300

6,700 / 8,000
2,900 / 3,300
66,500 / 86,100
54,100 / 70,100

–L– CONCORD MILLS BLVD.
DHV = 8%
DIR = 55%
TTST = 1%
DUAL = 2%

1,000 / 1,200
6,200 / 6,600
21,000 / 24,500

DHV = 8%
DIR = 100%
TTST = 1%
DUAL = 2%

I-85 NB RAMP

–L– CONCORD MILLS BLVD.
DHV = 8%
DIR = 65%
TTST = 1%
DUAL = 2%

NC GRID NAD 83/95

MATCHLINE –L– STA 32+50 (SHEET 5)

MATCHLINE –DRW06– STA 30+50 (SHEET 5)

INLAND SOUTHEAST KING'S GRANT, LLC
DB 5078 PG 207, PARCEL 1B
MB 39 PG 93, LOT #3
(RED LOBSTER)

INLAND SOUTHEAST KING'S GRANT, LLC
DB 5078 PG 207, PARCEL 1B
MB 39 PG 93, LOT #3
(OLIVE GARDEN)

TRUSTEES OF THE FAITH FAMILY TRUST, & TRUSTEES OF THE WILLIAM L. ABERNATHY CHARITABLE LEAD TRUST
DB 4322 PG 46
MB 34 PG 91, LOT A–2
COMMUNITY BNK OF RAYMORE AGENT
(RAZZOO'S CAJUN CAFE)

COLE OB CONCORD MILLS NC, LLC
DB 9212 PG 101
MB 34 PG 91, LOT A–1
(ON THE BORDER MEXICAN GRILL AND CANTINA)

END TIP PROJECT U-5806
END CONSTRUCTION
–L– POT Sta. 37+07.00

–L– POT Sta. 38+69.39

–L– POT Sta. 33+91.73 = XL– POT Sta. 22+60.75

–L– CONCORD MILLS BOULEVARD

–L– PINC Sta. 35+25.10

–DRW06– POT Sta. 33+27.24

–EL–2 PI Sta 10+53.95
Δ = 20° 46' 28.6" (LT)
D = 19° 28' 08.9"
L = 106.71'
T = 53.95'
R = 294.29'

U5806-2
U5806-10
U5806-11

CONCORD MILLS BLVD

BRUTON SMITH BLVD

SOUTHBOUND EXIT RAMP

SOUTHBOUND ENTRANCE RAMP

EXIST R/W

INTERSTATE 85 SOUTHBOUND

INTERSTATE 85 NORTHBOUND

NORTHBOUND EXIT RAMP

FOR DRAINAGE DETAILS, SEE SHEET 2D–1
FOR –L– PROFILE, SEE SHEET 7

$DATE$