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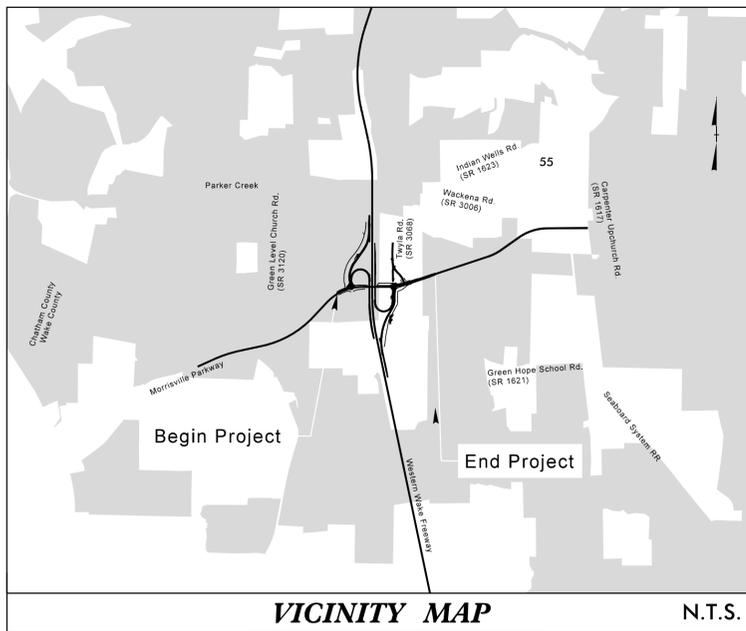
STATE	STATE PROJECT REFERENCE NO.		SHEET NO.	TOTAL SHEETS
N.C.	U-5315A/U-5315B		1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION		
U-5315A	45429.1.F2	STPDA-0503(19) PE		
U-5315A	45429.2.2	STPDA-0540(38) R/W, UTILITIES		
U-5315B	45429.1.F3	STPDA-0503(19) PE		
U-5315B	45429.2.3	STPDA-0540(39) R/W, UTILITIES		
U-5315A&B	45429.3.3	STPDA-0540(39) CONST.		
U-5315B	45429.5.TA1	TURNPIKE CONST.		
U-5315B	45429.5.TA3	TURNPIKE ROW		

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

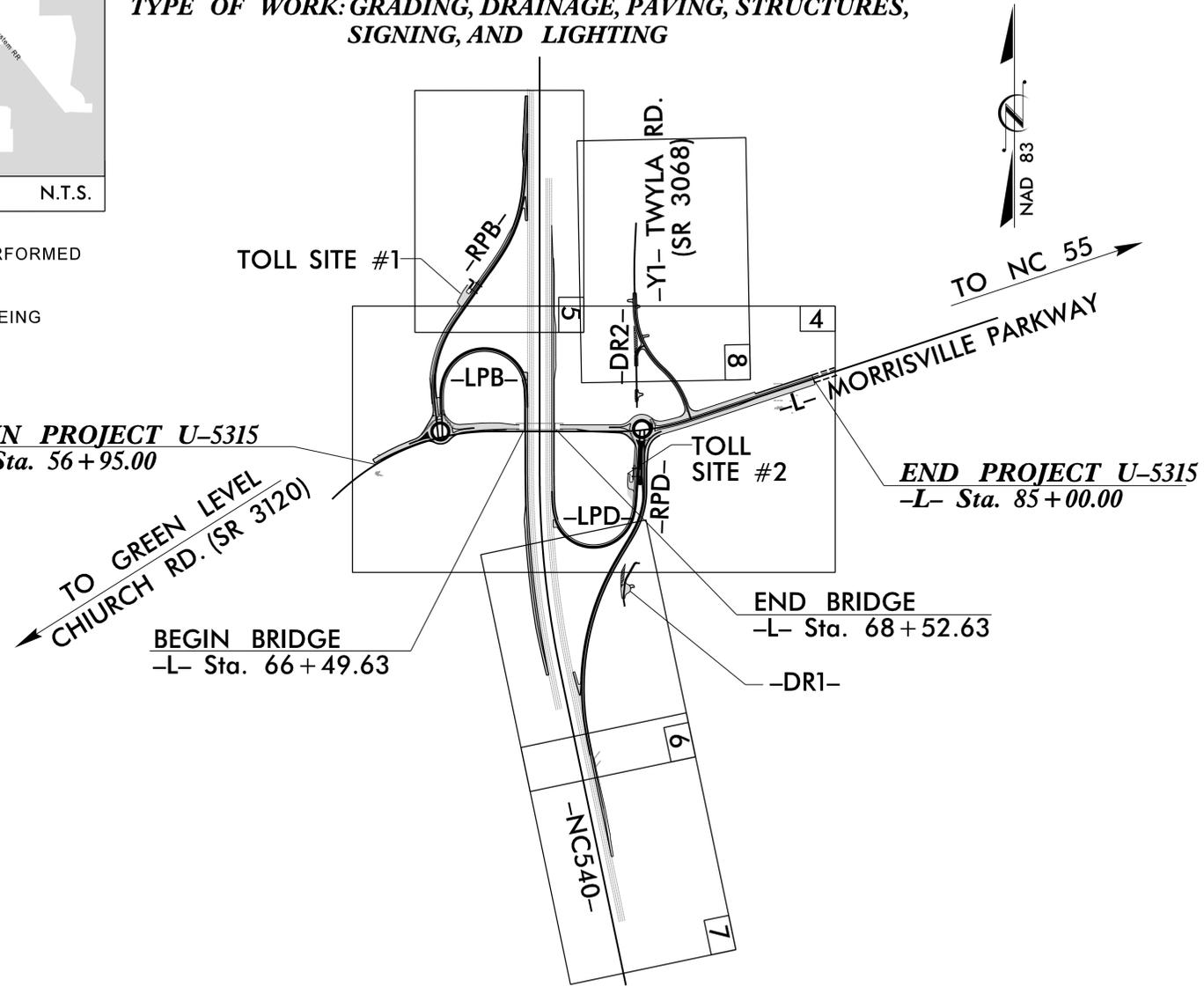
PLAN FOR PROPOSED HIGHWAY EROSION CONTROL

**LOCATION: MORRISVILLE PARKWAY EXTENSION AND NC 540 INTERCHANGE
FROM SR 1625 (GREEN LEVEL CHURCH RD.) TO NC 55**

**TYPE OF WORK: GRADING, DRAINAGE, PAVING, STRUCTURES,
SIGNING, AND LIGHTING**



- NOTES:**
- CLEARING AND GRUBBING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.
 - THIS IS A CONTROLLED-ACCESS PROJECT WITH ACCESS BEING LIMITED TO INTERCHANGES.
 - A PORTION OF THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF CARY.



EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1650.03	Temporary Silt Ditch	--- TSD ---
1650.05	Temporary Diversion	--- TD ---
1605.01	Temporary Silt Fence	--- TSF ---
1606.01	Special Sediment Control Fence	--- SSF ---
1622.01	Temporary Berms and Slope Drains	--- TBSD ---
1650.02	Silt Basin Type B	--- SBTB ---
1633.01	Temporary Rock Silt Check Type-A	--- TRSCTA ---
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	--- TRSCTA/PAM ---
1633.02	Temporary Rock Silt Check Type-B	--- TRSCTB ---
	Wattle/Coir Fiber Wattle	--- WCFW ---
	Wattle/Coir Fiber Wattle with Polyacrylamide (PAM)	--- WCFW/PAM ---
1654.01	Temporary Rock Sediment Dam Type-A	--- TRSDA-A ---
1654.02	Temporary Rock Sediment Dam Type-B	--- TRSDA-B ---
1635.01	Rock Pipe Inlet Sediment Trap Type-A	--- RPISDTA ---
1635.02	Rock Pipe Inlet Sediment Trap Type-B	--- RPISDTB ---
1650.04	Stilling Basin	--- SB ---
1650.06	Special Stilling Basin	--- SSB ---
	Rock Inlet Sediment Trap:	
1632.01	Type A	--- RISA ---
1632.02	Type B	--- RISB ---
1632.03	Type C	--- RISC ---
	Skimmer Basin	--- SKB ---
	Tiered Skimmer Basin	--- TSKB ---
	Infiltration Basin	--- IB ---

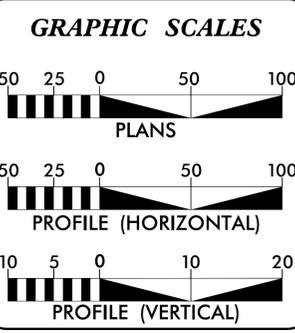
**THIS PROJECT CONTAINS
EROSION CONTROL PLANS
FOR CLEARING AND
GRUBBING PHASE OF
CONSTRUCTION.**

**ENVIRONMENTALLY
SENSITIVE AREA(S) EXIST
ON THIS PROJECT**

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

**THIS PROJECT HAS
BEEN DESIGNED TO
SENSITIVE WATERSHED
STANDARDS.**

MATTING FOR EROSION CONTROL



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

PROJECT LENGTH

LENGTH OF PROJECT U-5315..... 0.53 mi

Designed by:

JEFF MEADOR
NAME

3574
LEVEL III CERTIFICATION NO.

RK&K
RUMMEL, KLEPPER & KAHL, LLP
900 RIDGEFIELD DRIVE, SUITE 350
RALEIGH, NORTH CAROLINA 27609
NC LICENSE NO. F-0112
1-888-521-4455 OR 919-878-9560

Reviewed in the Office of:

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

2012 STANDARD SPECIFICATIONS

Reviewed by:

JEFF WALSTON

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 revision 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 Wattle
1630.06 Special Stilling Basin	1645.01 Temporary Stream Crossing
1631.01 Matting Installation	

TOWN OF CARY

**FACILITIES DESIGN &
TRANSPORTATION SERVICES**

TIP PROJECT: U-5315 A&B
TIP PROJECT: ST I123A220

WATTLE WITH POLYACRYLAMIDE DETAIL

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.

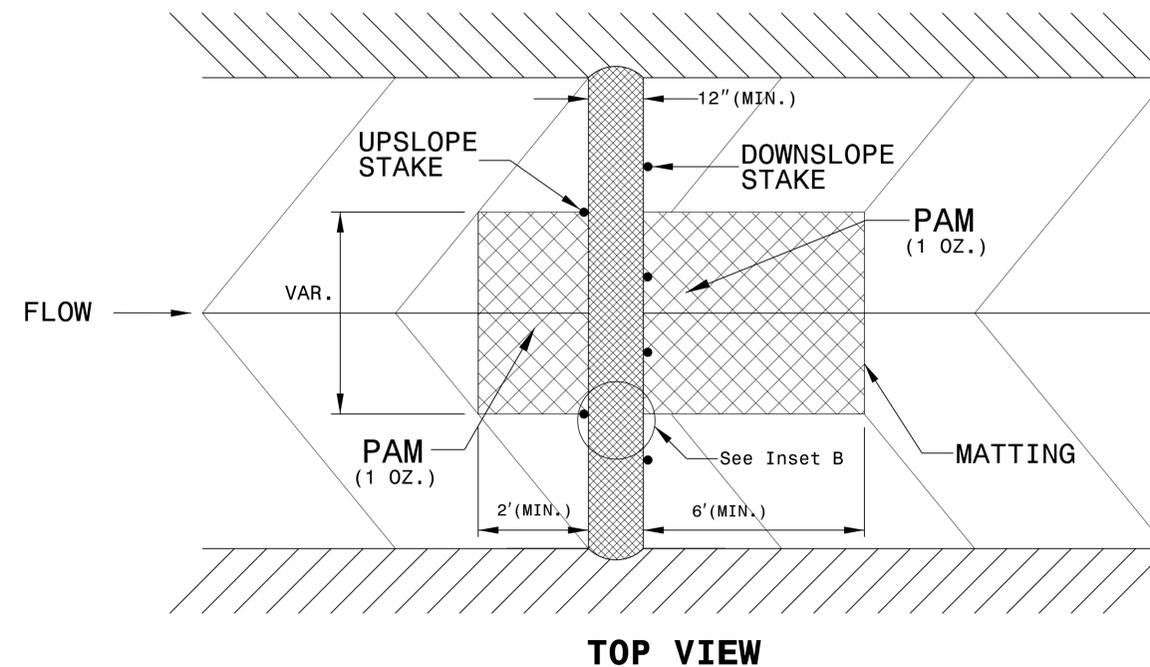
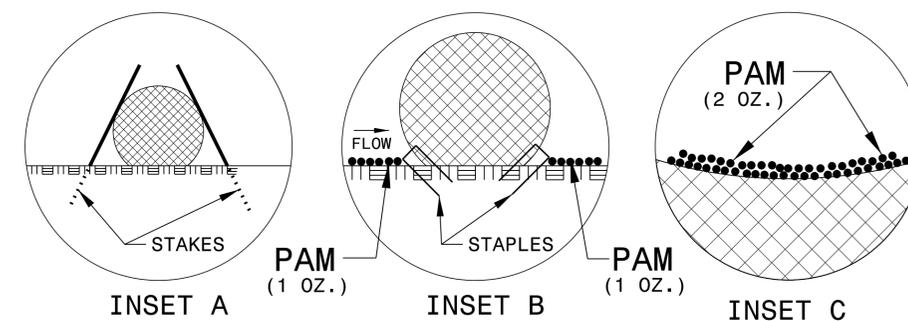
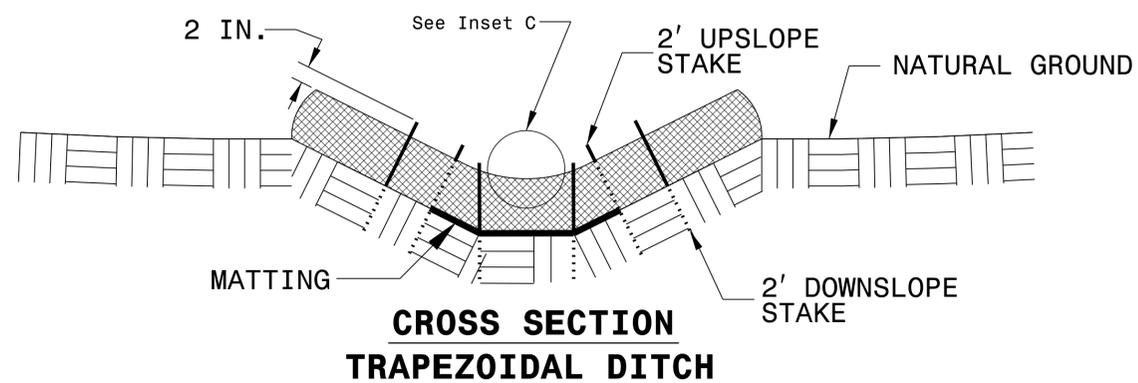
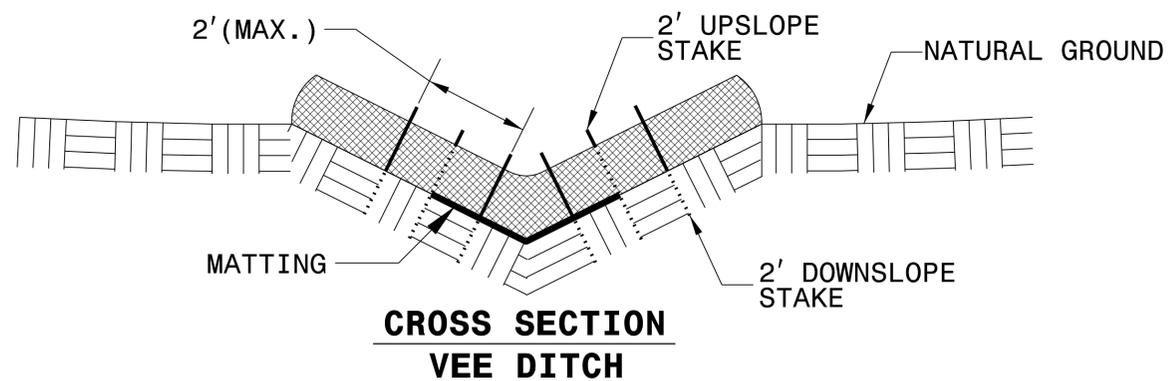
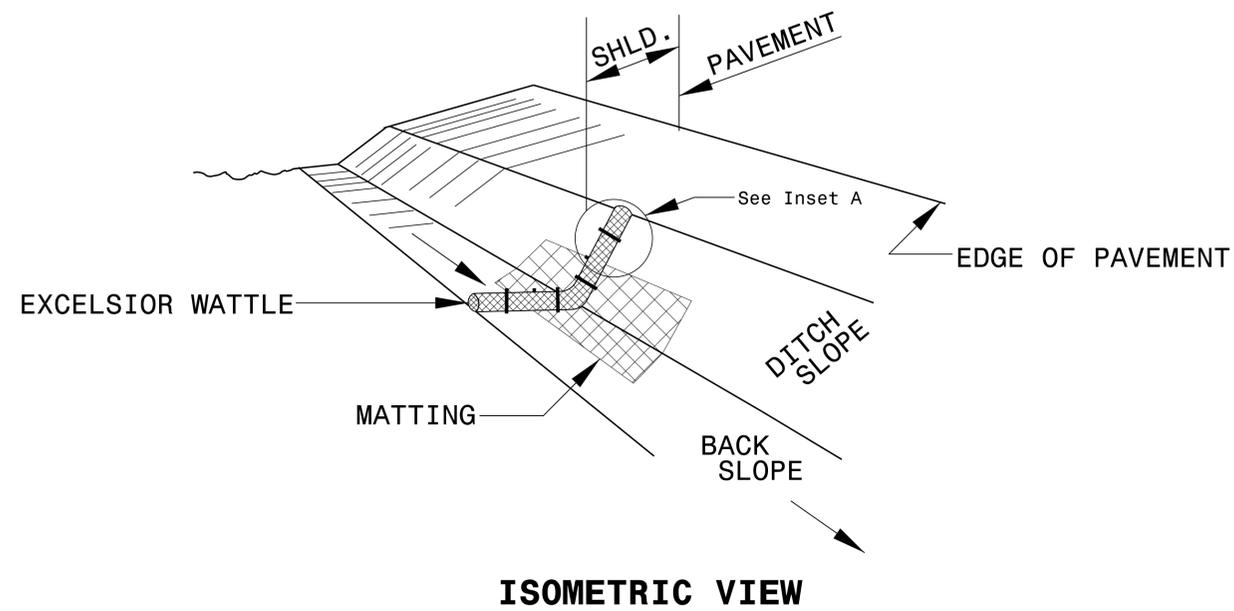
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

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

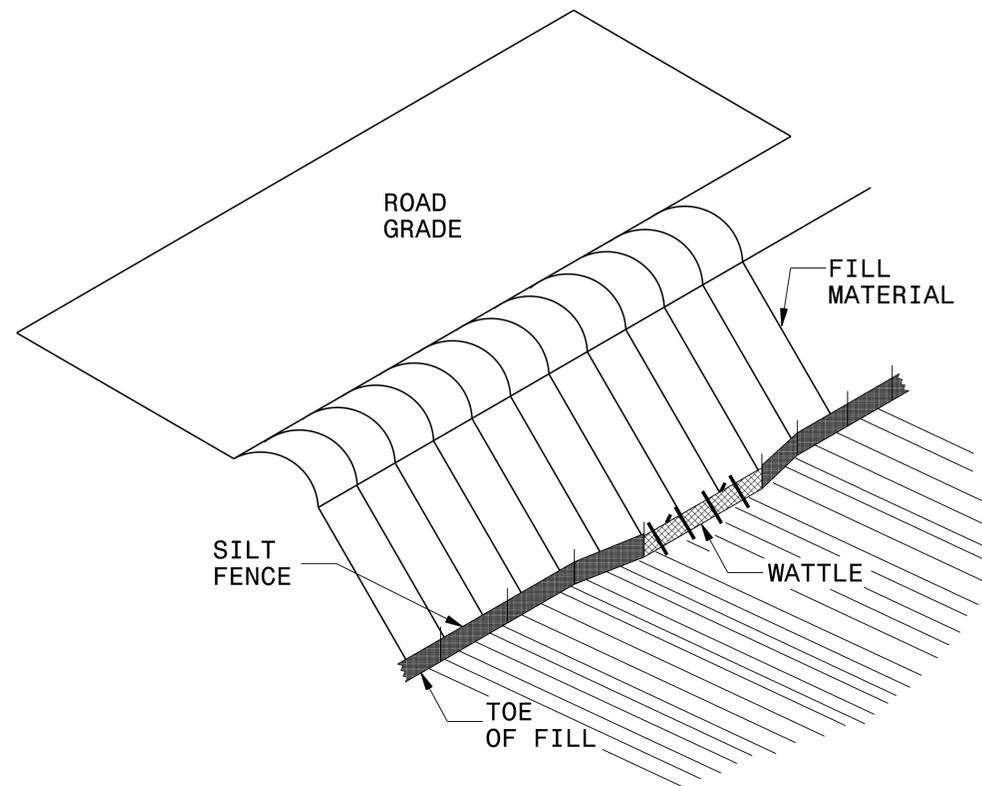
INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.

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.

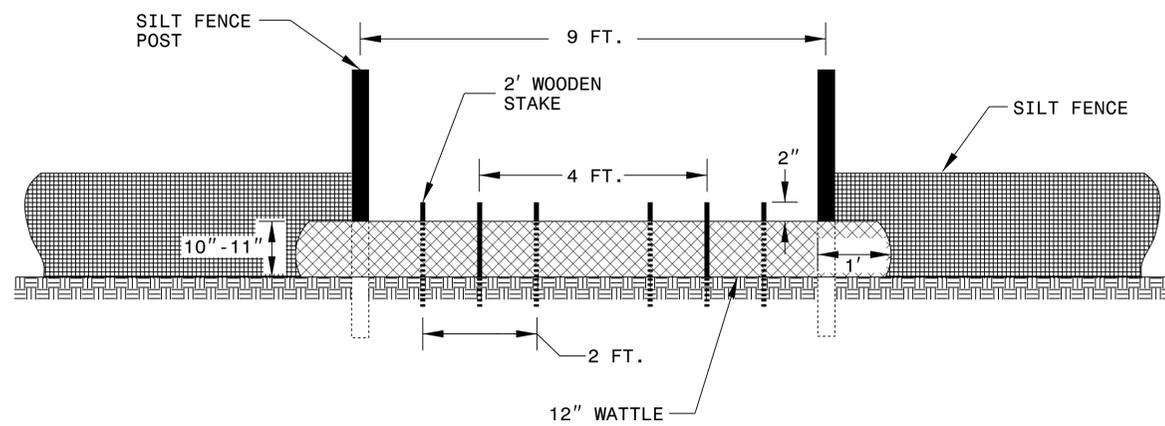
INITIALLY APPLY 2 OUNCES OF ANIONIC OR NEUTRALLY CHARGED POLYACRYLAMIDE (PAM) OVER WATTLE WHERE WATER WILL FLOW AND 1 OUNCE OF PAM ON MATTING ON EACH SIDE OF WATTLE. REAPPLY PAM AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.



SILT FENCE WATTLE BREAK DETAIL



ISOMETRIC VIEW



VIEW FROM SLOPE

NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR 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.

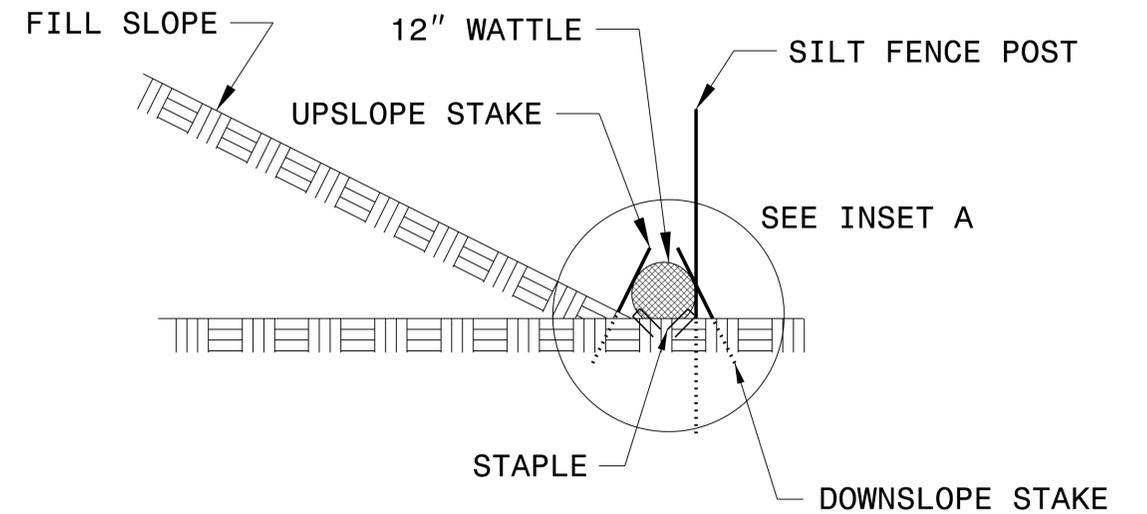
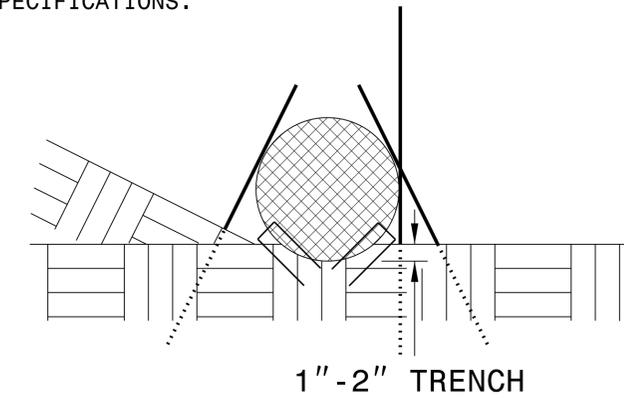
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

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.

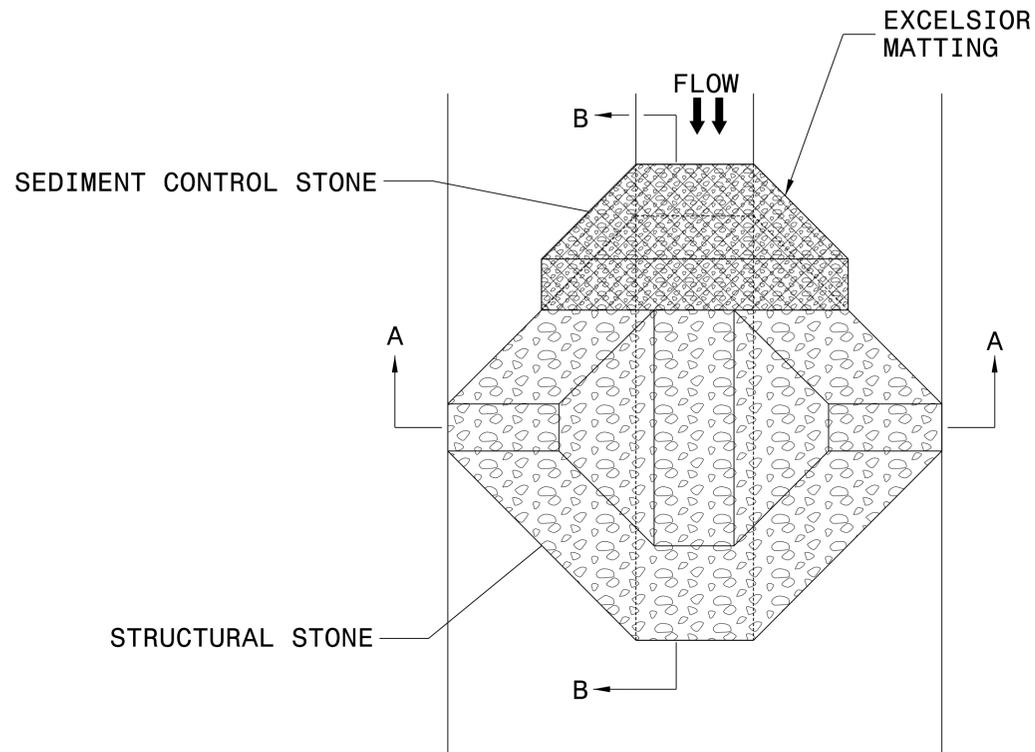
INSTALL TEMPORARY SILT FENCE IN ACCORDANCE WITH SECTION 1605 OF THE STANDARD SPECIFICATIONS.

INSET A

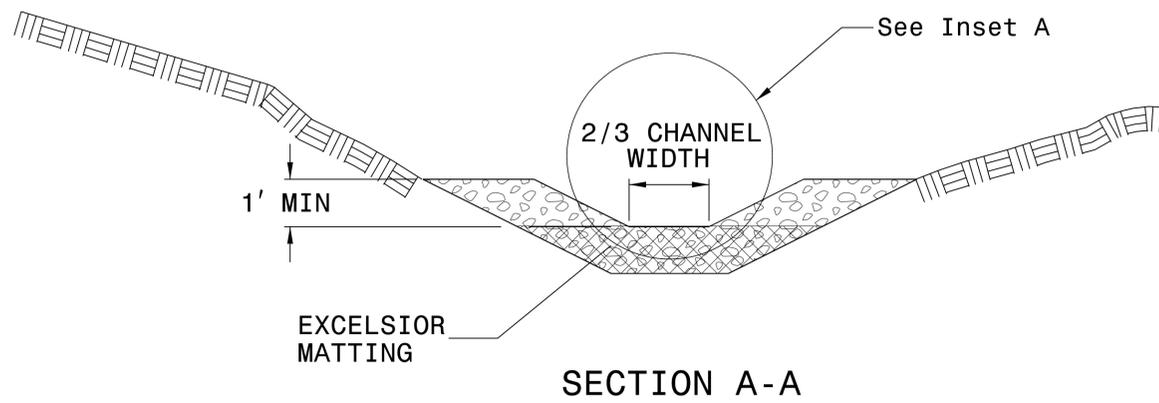


SIDE VIEW

TEMPORARY ROCK SILT CHECK TYPE 'A' WITH EXCELSIOR MATTING AND POLYACRYLAMIDE (PAM)



PLAN



SECTION A-A

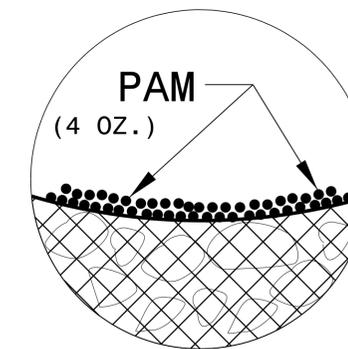
NOTES:

INSTALL TEMPORARY ROCK SILT CHECK TYPE A IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1633.01.

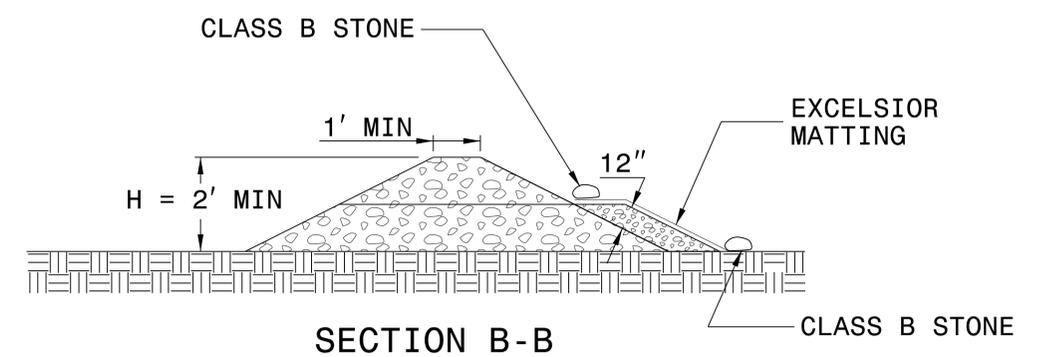
USE EXCELSIOR FOR MATTING MATERIAL AND ANCHOR MATTING SECTION AT TOP AND BOTTOM WITH CLASS B STONE.

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 ROCK SILT CHECK.

INITIALLY APPLY 4 OUNCES OF POLYACRYLAMIDE (PAM) TO TOP OF MATTING SECTION AND AFTER EVERY RAINFALL EVENT THAT EQUALS OR EXCEEDS 0.50 INCHES.



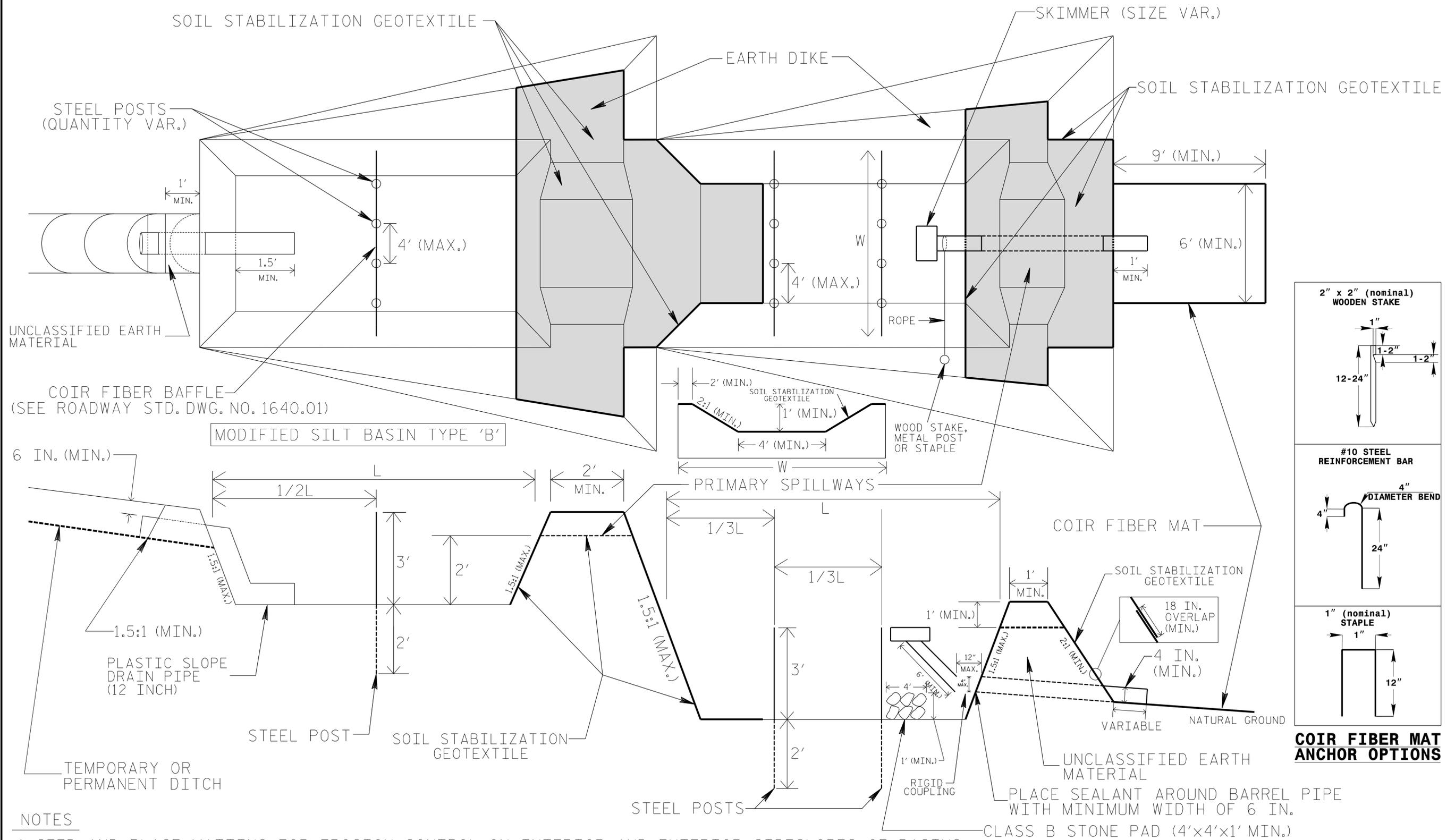
INSET A



SECTION B-B

NOT TO SCALE

TIERED SKIMMER BASIN DETAIL



NOTES

1. SEED AND PLACE MATTING FOR EROSION CONTROL ON INTERIOR AND EXTERIOR SIDESLOPES OF BASINS.
2. LIMIT HEIGHT OF EARTH DIKES TO 5 FT.
3. ADDITIONAL MODIFIED SILT BASINS TYPE 'B' MAY BE NEEDED DEPENDING ON SLOPE.
4. FOR BASIN DEPTHS OF 3FT., THE MINIMUM BASIN WIDTHS SHALL BE 9 FT.
5. DETERMINE PRIMARY SPILLWAY WEIR LENGTHS (FT.) USING $Q/0.8$, WHERE Q IS FLOW RATE (CFS) INTO UPPER BASIN.
6. SOIL STABILIZATION GEOTEXTILE FOR PRIMARY SPILLWAYS SHALL BE ONE CONTINUOUS PIECE OF MATERIAL OR OVERLAPPED 18 IN. (MIN.).

NOT TO SCALE

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION SUMMARY SHEET

EROSION CONTROL MATTING IN DITCHES

EROSION CONTROL MATTING IN DITCHES

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
4	-LPD-	13+00	14+50	RT	170
4	-LPD-	14+28	14+50	RT	15
4	-L-	75+30	77+39	LT	105
4	-LPB-	10+00	11+50	LT	205
4	-LPB-	13+00	17+00	RT	540
4	-LPB-	17+00	19+50	RT	335
4	-L-	58+50	65+00	RT	730
4	-L-	80+50	83+50	RT	275
4	-L-	83+50	85+00	RT	140
4	-L-	81+50	83+50	LT	185
4	-L-	83+50	85+00	LT	140
4	-YI-	11+00	12+40	LT	70
4	-YI-	10+75	11+50	RT	40
4	-YI-	11+50	12+00	RT	25
4	-RPD-	22+85	23+18	LT	20
4	-RPD-	10+00	11+50	LT	140
4	-NC540-	567+39	570+50	RT	285
4	-NC540-	570+50	572+50	RT	185
4	-NC540-	573+50	577+00	RT	175
4	-NC540-	578+23	578+50	RT	15
4	-NC540-	579+50	580+00	RT	35
4	-L-	72+00	72+64	RT	60
4	-L-	58+50	58+69	RT	10
4	-NC540-	573+37	573+98	LT	60
4	-LPB-	10+00	11+60	LT	150
4	-LPB-	14+50	16+50	LT	185
4	-LPB-	16+50	17+50	LT	95
4	-LPB-	17+50	19+50	RT	185
4	-LPB-	19+50	20+50	RT	95
4	-NC540-	565+00	566+00	LT	70

SUBTOTAL 4.740

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
4	-NC540-	566+00	569+00	LT	210
4	-NC540-	569+00	570+50	LT	105
4	-NC540-	570+50	572+50	LT	140
4	-NC540- (TD-CG)	577+11	-	RT	35
4	-L- (TD-CG)	76+30	-	CL	110
4	-RPB-	24+75	26+64	LT	255
4	-LPD-	15+50	16+50	RT	135
4	-NC540-	562+00	563+00	LT	50
4	-YI-	12+00	12+50	RT	35
4	-L-	57+00	59+00	LT	100
4	-L- (TD-BOTH)	57+81	60+77	LT	190
4	-L- (TD-BOTH)	58+43	63+90	RT	265
4	-RPB- (TD-BOTH)	14+05	15+35	LT	240
4	-NC540- (TD-CG)	573+50	577+11	RT	180
4	-RPD- (TD-CG)	22+56	-	RT	55
4	-L- (TD-BOTH)	77+50	79+11	LT	90
4	-RPB- (TD-BOTH)	22+80	27+17	RT	240
5	-RPB-	16+00	18+37	RT	320
5	-RPB-	22+50	24+00	LT	75
5	-NC540-	580+00	581+50	RT	105
5	-NC540-	581+50	584+00	RT	175
5	-NC540-	584+00	585+00	RT	70
5	-RPB-	12+50	16+00	RT	470
5	-RPB-	16+00	24+00	LT	1075
5	-RPB- (TD-BOTH)	12+00	16+00	RT	190
5	-RPB- (TD-BOTH)	20+00	21+57	RT	85
6	-RPD-	12+50	14+00	RT	105
6	-RPD-	20+50	22+92	RT	120
6	-RPD-	19+47	19+85	LT	20
6	-RPD-	11+00	12+50	RT	75

SUBTOTAL 5.320

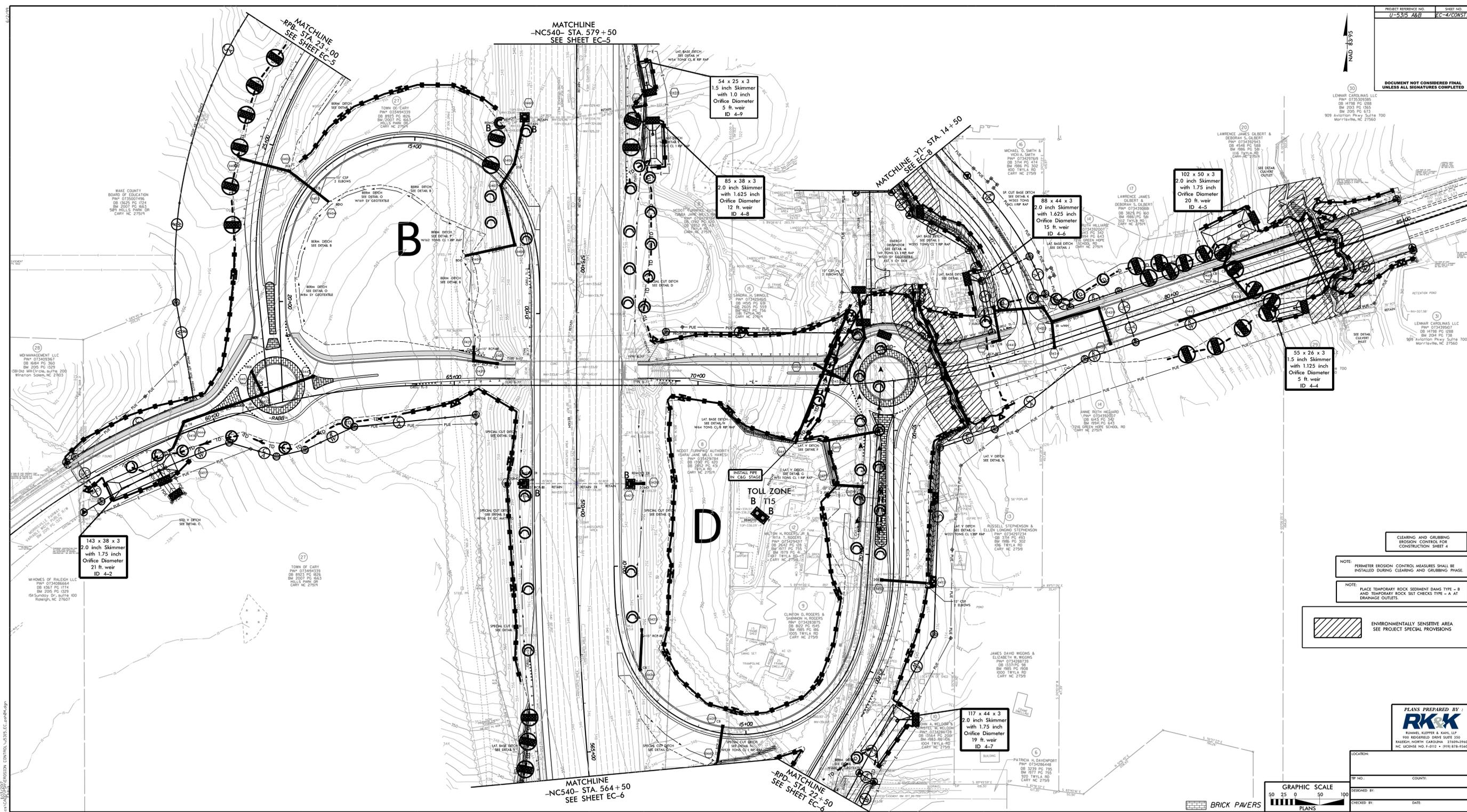
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION TIMEFRAMES

<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
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.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

LENNAR CAROLINA'S LLC
PIN# 073303085
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00 3000 PG 07B
00 3000 PG 08B
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00 3000 PG 100B



BY: [Signature] DATE: [Date]

MATCHLINE
-RFB- STA. 23+00
SEE SHEET EC-5

MATCHLINE
-NC540- STA. 579+50
SEE SHEET EC-5

MATCHLINE Y1- STA. 14+50
SEE EC-8

MATCHLINE
-NC540- STA. 564+50
SEE SHEET EC-6

MATCHLINE
-RD- STA. 22+50
SEE SHEET EC-6

143 x 38 x 3
2.0 inch Skimmer
with 1.75 inch
Orifice Diameter
21 ft. weir
ID 4-2

54 x 25 x 3
1.5 inch Skimmer
with 1.0 inch
Orifice Diameter
5 ft. weir
ID 4-9

85 x 38 x 3
2.0 inch Skimmer
with 1.625 inch
Orifice Diameter
12 ft. weir
ID 4-8

88 x 44 x 3
2.0 inch Skimmer
with 1.625 inch
Orifice Diameter
15 ft. weir
ID 4-6

102 x 50 x 3
2.0 inch Skimmer
with 1.75 inch
Orifice Diameter
20 ft. weir
ID 4-5

55 x 26 x 3
1.5 inch Skimmer
with 1.125 inch
Orifice Diameter
5 ft. weir
ID 4-4

117 x 44 x 3
2.0 inch Skimmer
with 1.75 inch
Orifice Diameter
19 ft. weir
ID 4-7

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4

NOTE:
PERIMETER EROSION CONTROL MEASURES SHALL BE
INSTALLED DURING CLEARING AND GRUBBING PHASE.

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

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

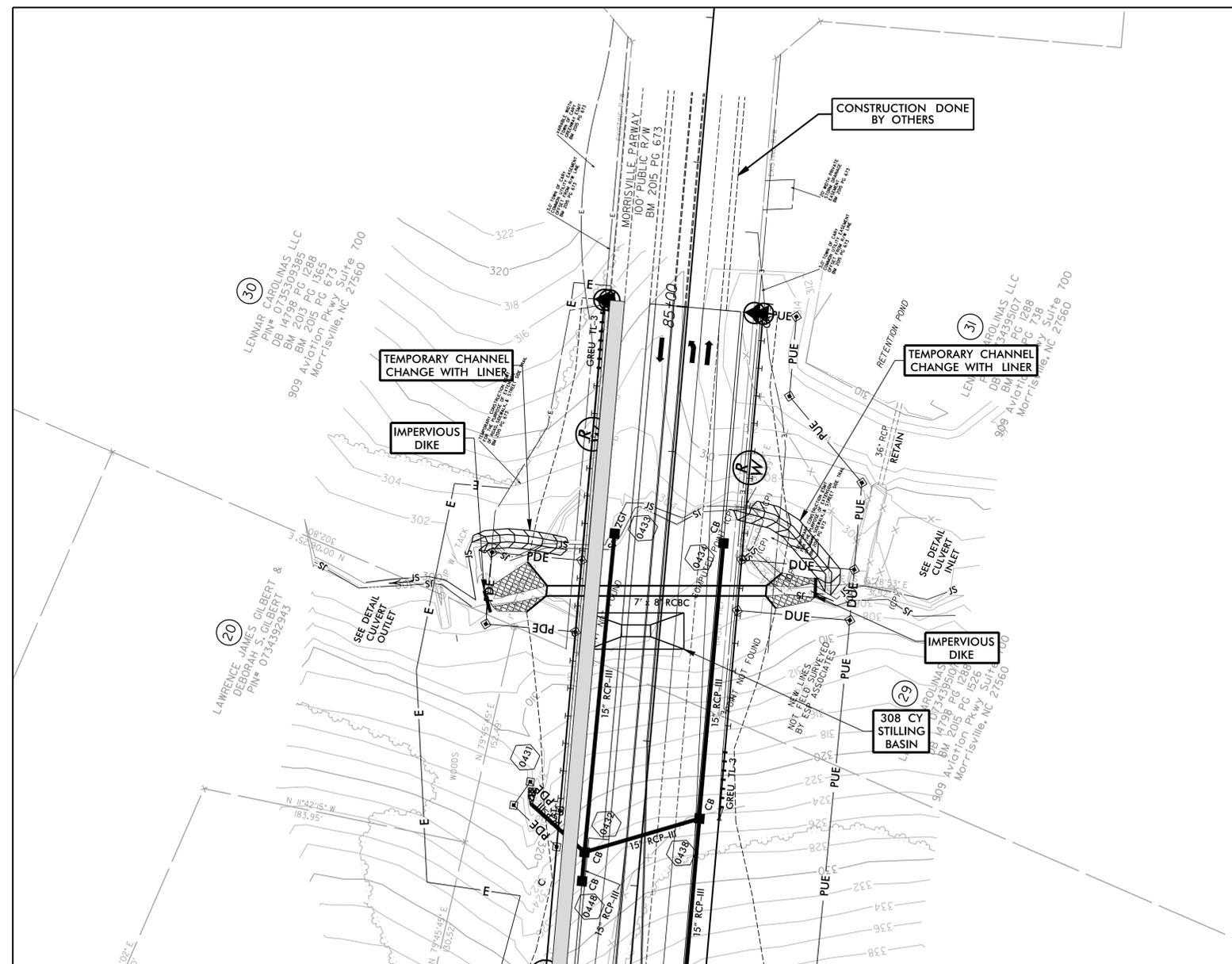
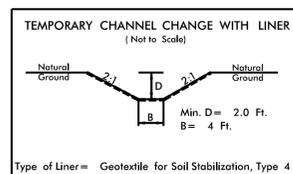
PLANS PREPARED BY:
RK&K
RICHARD KLEPPER & ASSOCIATES
100 RIDGEFIELD DRIVE SUITE 350
RALEIGH, NORTH CAROLINA 27603-9940
NC LICENSE NO. F-0112 / 0191 878-9560

GRAPHIC SCALE
50 25 0 50 100
BRICK PAVERS
PLANS

LOCATION: _____ COUNTY: _____
TR NO.: _____
DESIGNED BY: _____
CHECKED BY: _____ DATE: _____

CULVERT CONSTRUCTION SEQUENCE STA. 83+04 -L-

1. CONSTRUCT TWO TEMPORARY BYPASS CHANNELS (1@+/-90 LF, 1@+/-70 LF) AT APPROXIMATELY -L- STA. 83+40.
2. INSTALL TEMPORARY LINER, GEOTEXTILE FOR SOIL STABILIZATION, TYPE 4. INSTALL IMPERVIOUS DIKES AT EACH END OF WORK AREA.
3. DIVERT STREAM FLOW TO THE TEMPORARY BYPASS CHANNEL CHANGE.
4. CONSTRUCT 20' x 82' STILLING BASIN (308CY) AT -L- STA. 83+30 LT.
5. CONSTRUCT THE ENTIRE LENGTH OF THE NEW CULVERT INCLUDING CHANNEL TIE INS.
6. STABILIZE NEW IMPROVEMENTS.
7. PERMANENTLY DIVERT STREAM FLOW TO THE NEW CULVERT AND ORIGINAL CHANNEL LOCATION.
8. BACKFILL TEMPORARY BYPASS CHANNEL AND CONSTRUCT ROADWAY EMBANKMENT.



8/17/99
 I:\13\2017
 P:\Hydro\proj\cadd\PSH\EROSION CONTROL\U5315-EC-ps04A.dgn
 kens

8/17/99

NAD 83/95

PLANS PREPARED BY :

RK&K

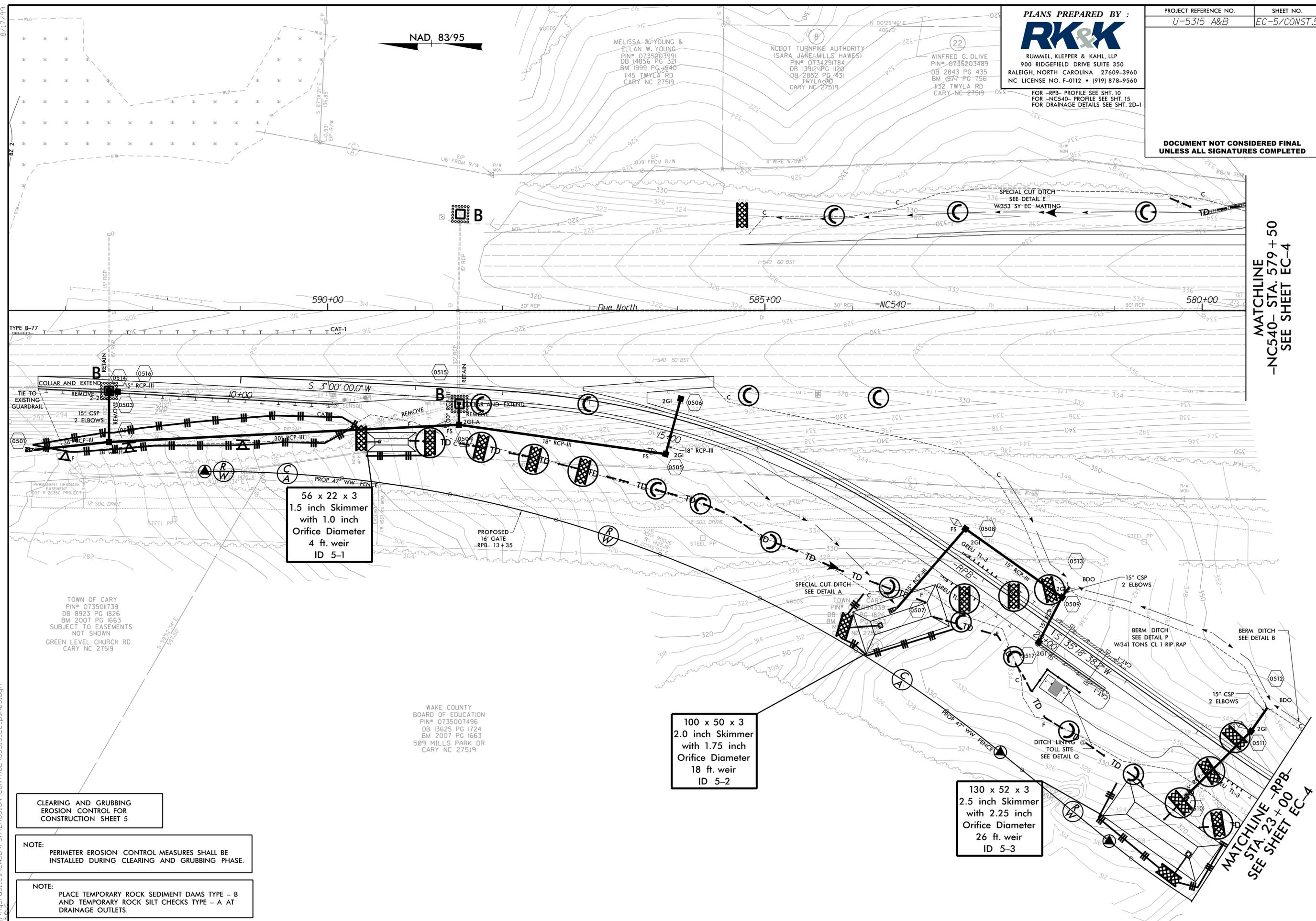
RUMMEL, KLEPPER & KAHL, LLP
 900 RIDGEFIELD DRIVE SUITE 350
 RALEIGH, NORTH CAROLINA 27609-3960
 NC LICENSE NO. F-0112 • (919) 878-9560

PROJECT REFERENCE NO.	SHEET NO.
U-5315 A&B	EC-5/CONST.5

FOR -RPB- PROFILE SEE SHT. 10
 FOR -NC540- PROFILE SEE SHT. 15
 FOR DRAINAGE DETAILS SEE SHT. 2D-1

**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**

MATCHLINE
 -NC540- STA. 579+50
 SEE SHEET EC-4



56 x 22 x 3
 1.5 inch Skimmer
 with 1.0 inch
 Orifice Diameter
 4 ft. weir
 ID 5-1

100 x 50 x 3
 2.0 inch Skimmer
 with 1.75 inch
 Orifice Diameter
 18 ft. weir
 ID 5-2

130 x 52 x 3
 2.5 inch Skimmer
 with 2.25 inch
 Orifice Diameter
 26 ft. weir
 ID 5-3

CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 5

NOTE:
 PERIMETER EROSION CONTROL MEASURES SHALL BE
 INSTALLED DURING CLEARING AND GRUBBING PHASE.

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

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TOWN OF CARY
 PIN# 073501739
 DB 8923 PG 1826
 BM 2007 PG 1663
 SUBJECT TO EASEMENTS
 NOT SHOWN
 GREEN LEVEL CHURCH RD
 CARY NC 27519

WAKE COUNTY
 BOARD OF EDUCATION
 PIN# 0735007496
 DB 13625 PG 1724
 BM 2007 PG 1663
 509 MILLS PARK DR
 CARY NC 27519

MELISSA W. YOUNG &
 ELLAN W. YOUNG
 PIN# 0735203991
 DB 14856 PG 321
 BM 1999 PG 2840
 1145 TWYLA RD
 CARY NC 27519

NCBOT TURNPIKE AUTHORITY
 (SARA JANE MILLS HAWES)
 PIN# 0734291784
 DB 13912 PG 1120
 DB 2852 PG 431
 TWYLA RD
 CARY NC 27519

WINFRED G. OLIVE
 PIN# 0735203489
 DB 2843 PG 435
 BM 1977 PG 756
 1132 TWYLA RD
 CARY NC 27519

8/17/99

NOTE:
PERIMETER EROSION CONTROL MEASURES SHALL BE
INSTALLED DURING CLEARING AND GRUBBING PHASE.

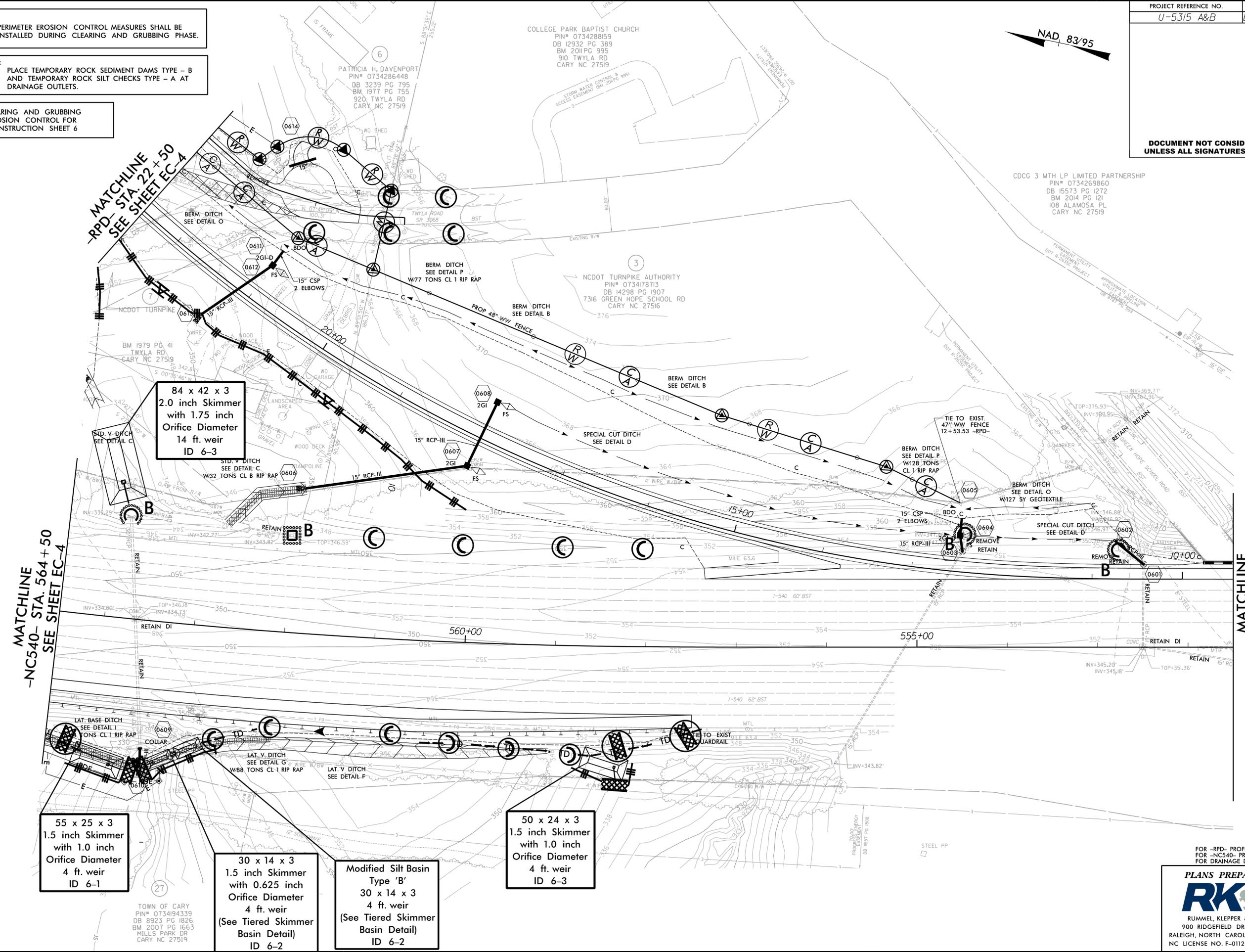
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 6

PROJECT REFERENCE NO. U-5315 A&B
SHEET NO. EC-6/CONST.6



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UNLESS ALL SIGNATURES COMPLETED



MATCHLINE
-RPD- STA. 22+50
SEE SHEET EC-4

MATCHLINE
-NC540- STA. 564+50
SEE SHEET EC-4

MATCHLINE
-NC540- STA. 551+50
SEE SHEET EC-7

84 x 42 x 3
2.0 inch Skimmer
with 1.75 inch
Orifice Diameter
14 ft. weir
ID 6-3

55 x 25 x 3
1.5 inch Skimmer
with 1.0 inch
Orifice Diameter
4 ft. weir
ID 6-1

30 x 14 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
4 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 6-2

Modified Silt Basin
Type 'B'
30 x 14 x 3
4 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 6-2

50 x 24 x 3
1.5 inch Skimmer
with 1.0 inch
Orifice Diameter
4 ft. weir
ID 6-3

FOR -RPD- PROFILE SEE SHT. 12
FOR -NC540- PROFILE SEE SHT. 14
FOR DRAINAGE DETAILS SEE SHT. 2D-1

PLANS PREPARED BY :

RUMMEL, KLEPPER & KAHL, LLP
900 RIDGEBLVD DRIVE SUITE 350
RALEIGH, NORTH CAROLINA 27609-3960
NC LICENSE NO. F-0112 • (919) 878-9560

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8/17/99

NOTE: PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 7

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

PROJECT REFERENCE NO.	SHEET NO.
U-5315 A&B	EC-7/CONST.7

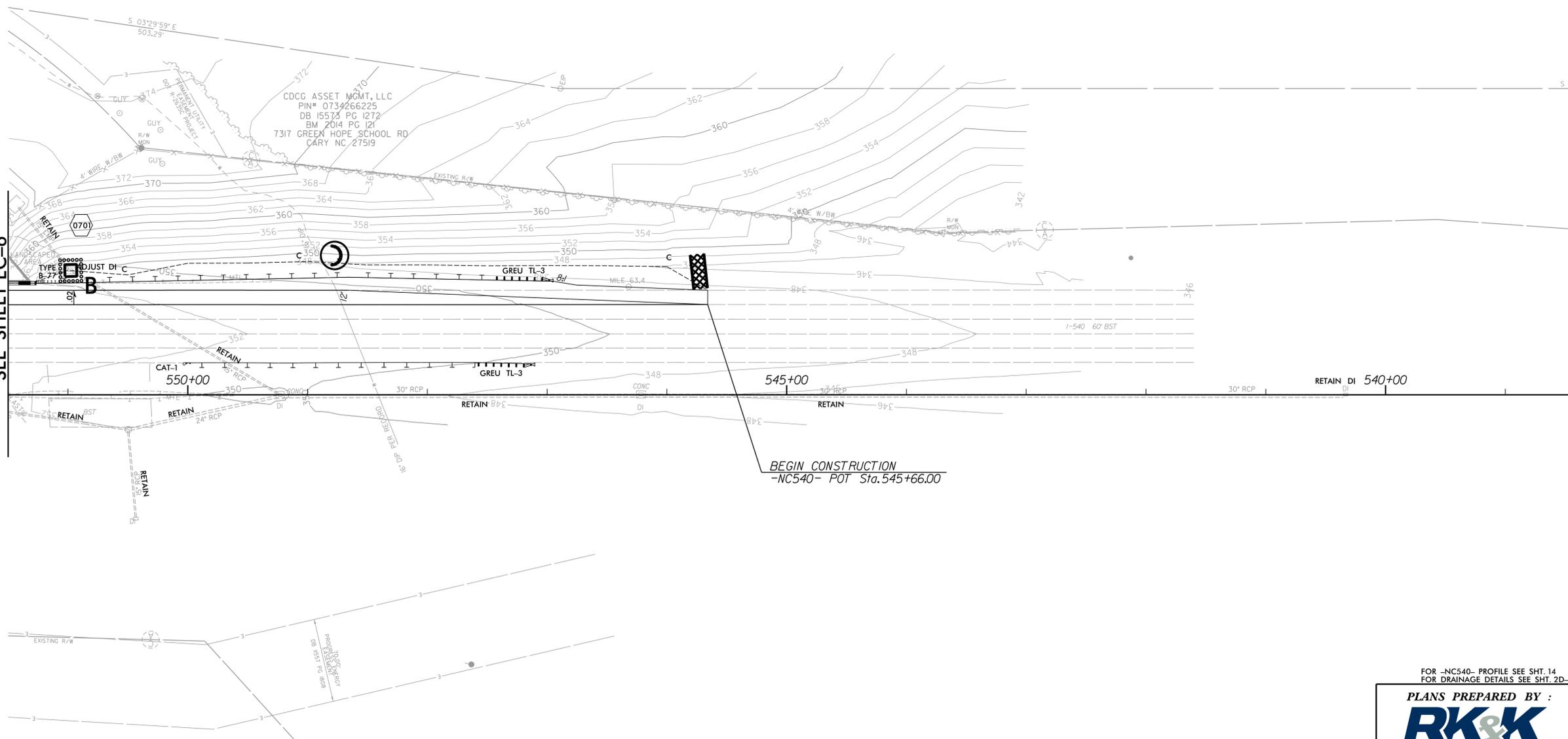


DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

CDCG 3 MTH LP LIMITED PARTNERSHIP
 PIN# 0734269860
 DB 15573 PG 1272
 BM 2014 PG 121
 108 ALAMOSA PL
 CARY NC 27519

CDCG ASSET MGMT, LLC
 PIN# 0734266225
 DB 15573 PG 1272
 BM 2014 PG 121
 7317 GREEN HOPE SCHOOL RD
 CARY NC 27519

MATCHLINE
 -NC540- STA. 551+50
 SEE SHEET EC-6



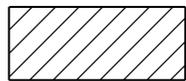
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 8/17/99

FOR -NC540- PROFILE SEE SHT. 14
 FOR DRAINAGE DETAILS SEE SHT. 2D-1

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ENVIRONMENTALLY SENSITIVE AREA SEE PROJECT SPECIAL PROVISIONS

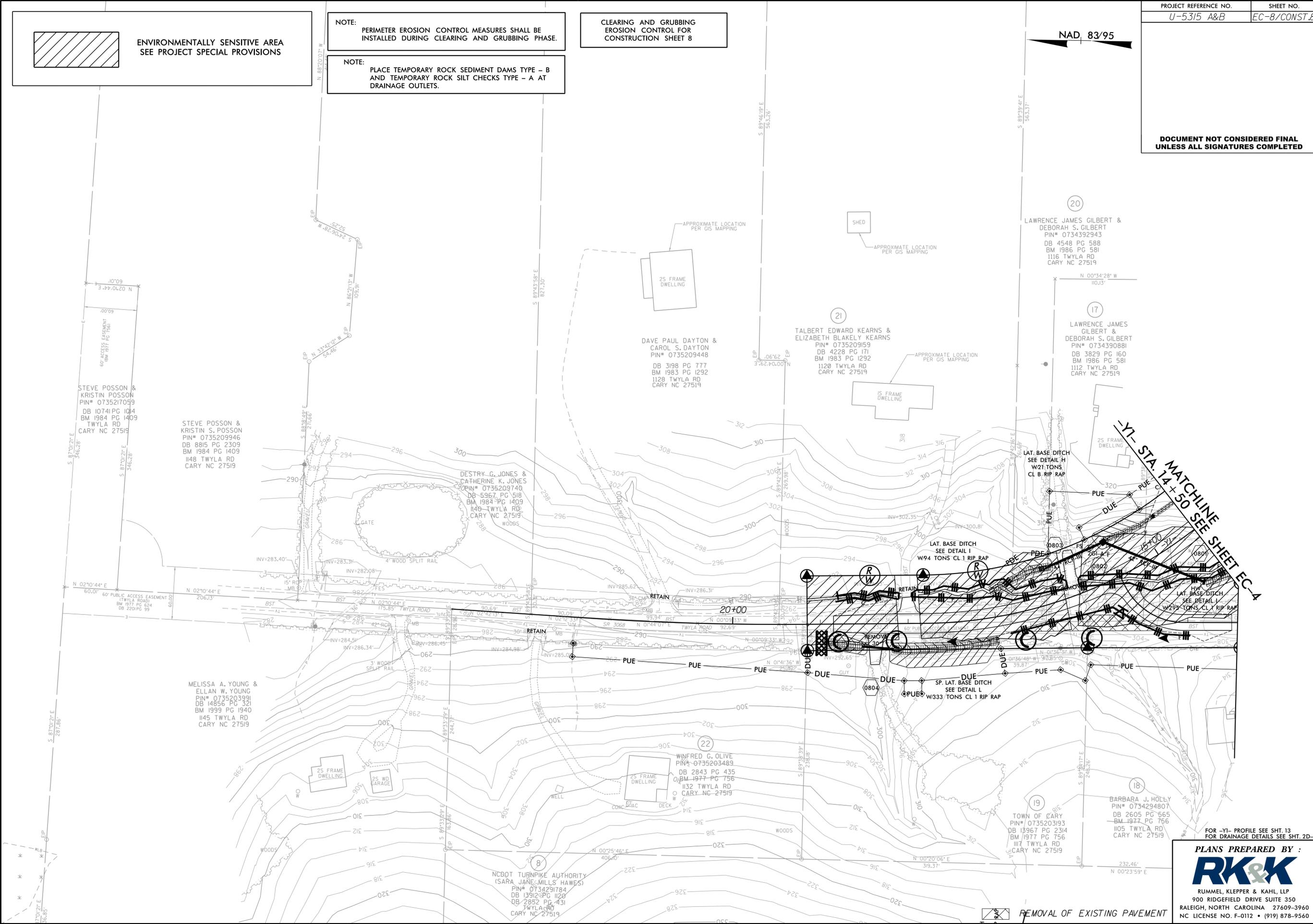
NOTE: PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 8

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

NAD 83/95

8/17/99
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FOR -Y1- PROFILE SEE SHT. 13 FOR DRAINAGE DETAILS SEE SHT. 2D-1

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 900 RIDGEFIELD DRIVE SUITE 350
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11/13/2017
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MELISSA A. YOUNG &
ELLAN W. YOUNG
PIN# 0735203991
DB 14856 PG 321
BM 1999 PG 1940
1145 TWYLA RD
CARY NC 27519

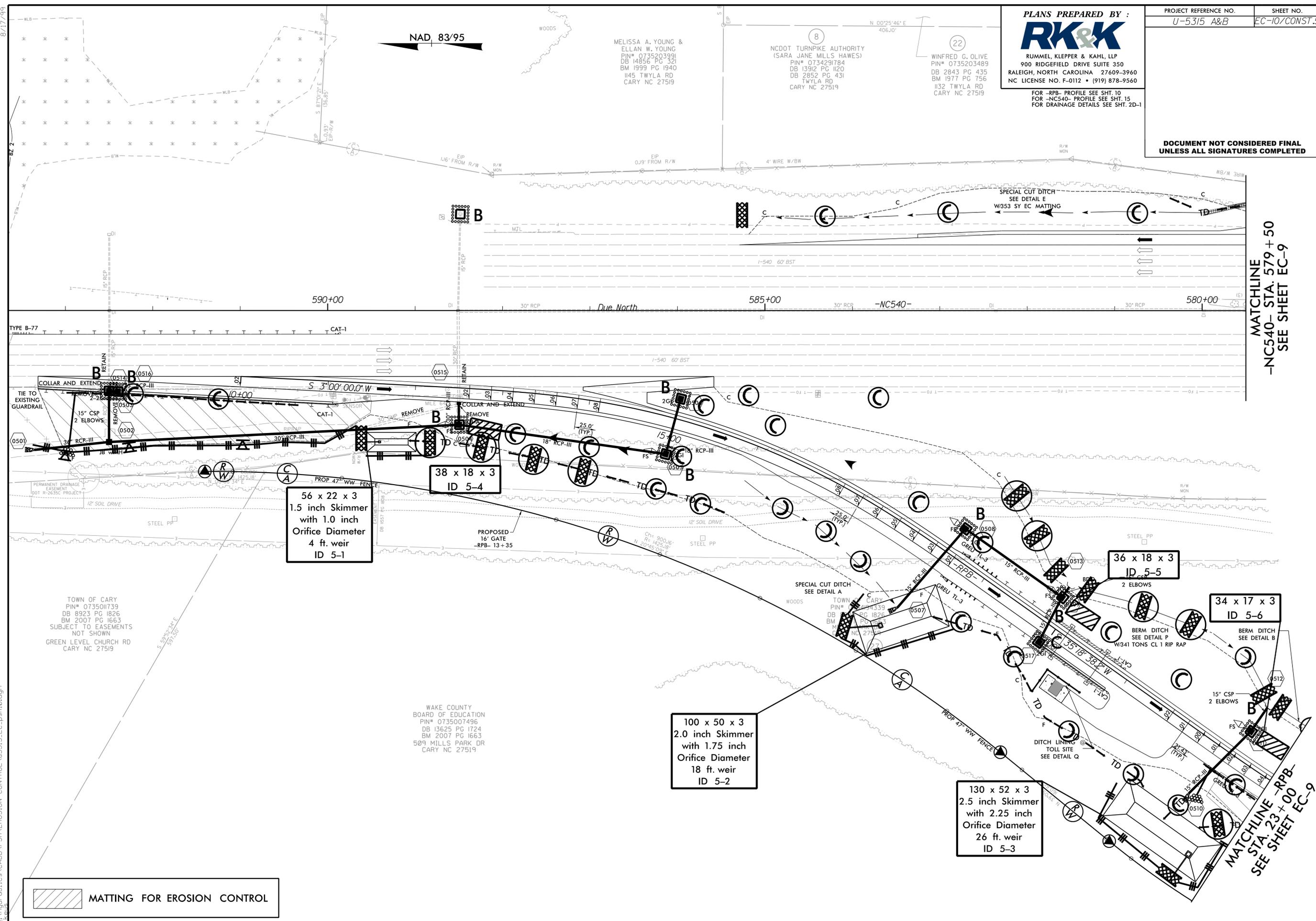
NCDOT TURNPIKE AUTHORITY
(SARA JANE MILLS HAWES)
PIN# 0734291784
DB 13912 PG 1120
DB 2852 PG 431
TWYLA RD
CARY NC 27519

WINFRED G. OLIVE
PIN# 0735203489
DB 2843 PG 435
BM 1977 PG 756
1132 TWYLA RD
CARY NC 27519

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FOR -RPB- PROFILE SEE SHT. 10
FOR -NC540- PROFILE SEE SHT. 15
FOR DRAINAGE DETAILS SEE SHT. 2D-1

PROJECT REFERENCE NO. U-5315 A&B	SHEET NO. EC-10/CONST.5
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



56 x 22 x 3
1.5 inch Skimmer
with 1.0 inch
Orifice Diameter
4 ft. weir
ID 5-1

38 x 18 x 3
ID 5-4

100 x 50 x 3
2.0 inch Skimmer
with 1.75 inch
Orifice Diameter
18 ft. weir
ID 5-2

130 x 52 x 3
2.5 inch Skimmer
with 2.25 inch
Orifice Diameter
26 ft. weir
ID 5-3

36 x 18 x 3
ID 5-5
2 ELBOWS

34 x 17 x 3
ID 5-6
BERM DITCH
SEE DETAIL B

MATTING FOR EROSION CONTROL

MATCHLINE
-NC540- STA. 579+50
SEE SHEET EC-9

MATCHLINE -RPB-
STA. 23+00
SEE SHEET EC-9

TOWN OF CARY
PIN# 0735011739
DB 8923 PG 1826
BM 2007 PG 1663
SUBJECT TO EASEMENTS
NOT SHOWN
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CARY NC 27519

WAKE COUNTY
BOARD OF EDUCATION
PIN# 0735007496
DB 13625 PG 1724
BM 2007 PG 1663
509 MILLS PARK DR
CARY NC 27519

TOWN OF CARY
PIN# 0735011739
DB 8923 PG 1826
BM 2007 PG 1663
SUBJECT TO EASEMENTS
NOT SHOWN
GREEN LEVEL CHURCH RD
CARY NC 27519

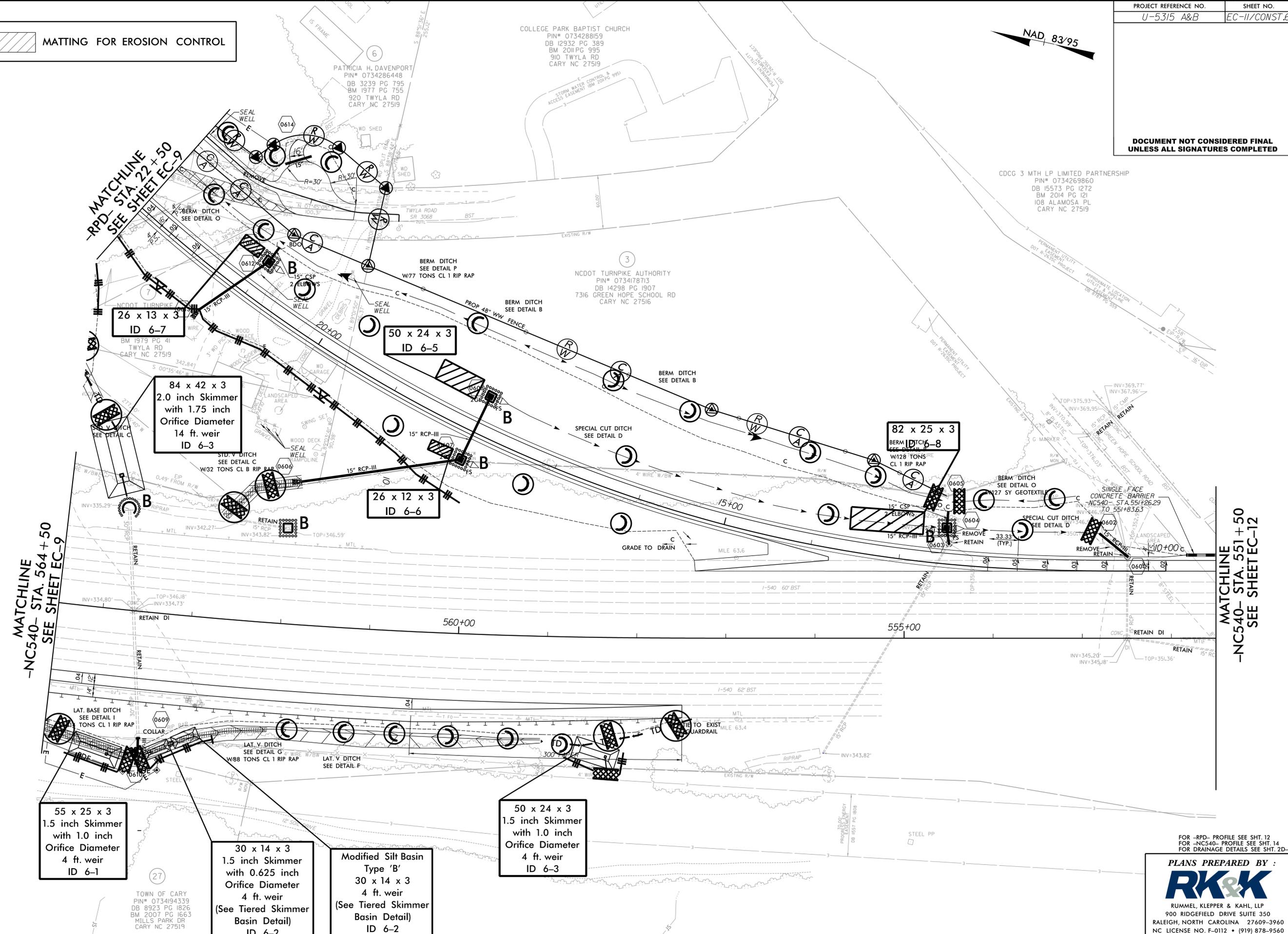


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 MATTING FOR EROSION CONTROL

8/17/99

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MATCHLINE
-RPD- STA. 22+50
SEE SHEET EC-9

MATCHLINE
-NC540- STA. 564+50
SEE SHEET EC-9

MATCHLINE
-NC540- STA. 551+50
SEE SHEET EC-12

26 x 13 x 3
ID 6-7

84 x 42 x 3
2.0 inch Skimmer
with 1.75 inch
Orifice Diameter
14 ft. weir
ID 6-3

50 x 24 x 3
ID 6-5

26 x 12 x 3
ID 6-6

82 x 25 x 3
ID 6-8

55 x 25 x 3
1.5 inch Skimmer
with 1.0 inch
Orifice Diameter
4 ft. weir
ID 6-1

30 x 14 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
4 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 6-2

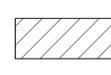
Modified Silt Basin
Type 'B'
30 x 14 x 3
4 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 6-2

50 x 24 x 3
1.5 inch Skimmer
with 1.0 inch
Orifice Diameter
4 ft. weir
ID 6-3

FOR -RPD- PROFILE SEE SHT. 12
FOR -NC540- PROFILE SEE SHT. 14
FOR DRAINAGE DETAILS SEE SHT. 2D-1

PLANS PREPARED BY :
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PROJECT REFERENCE NO. U-5315 A&B SHEET NO. EC-12/CONST.7

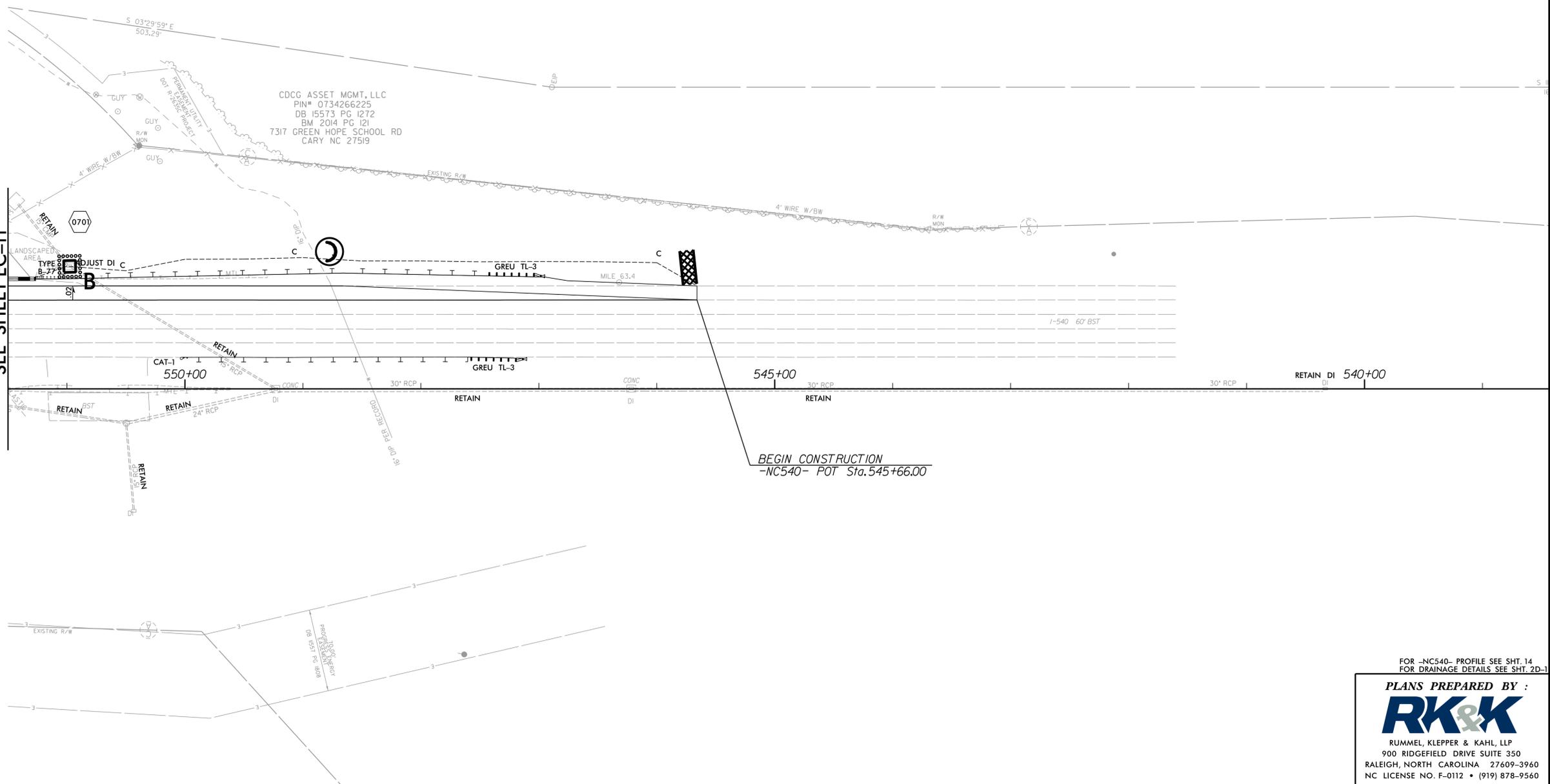
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DB 15573 PG 1272
BM 2014 PG 121
108 ALAMOSA PL
CARY NC 27519

CDCG ASSET MGMT, LLC
PIN# 0734266225
DB 15573 PG 1272
BM 2014 PG 121
7317 GREEN HOPE SCHOOL RD
CARY NC 27519

MATCHLINE
-NC540- STA. 551+50
SEE SHEET EC-11



BEGIN CONSTRUCTION
-NC540- POT Sta. 545+66.00

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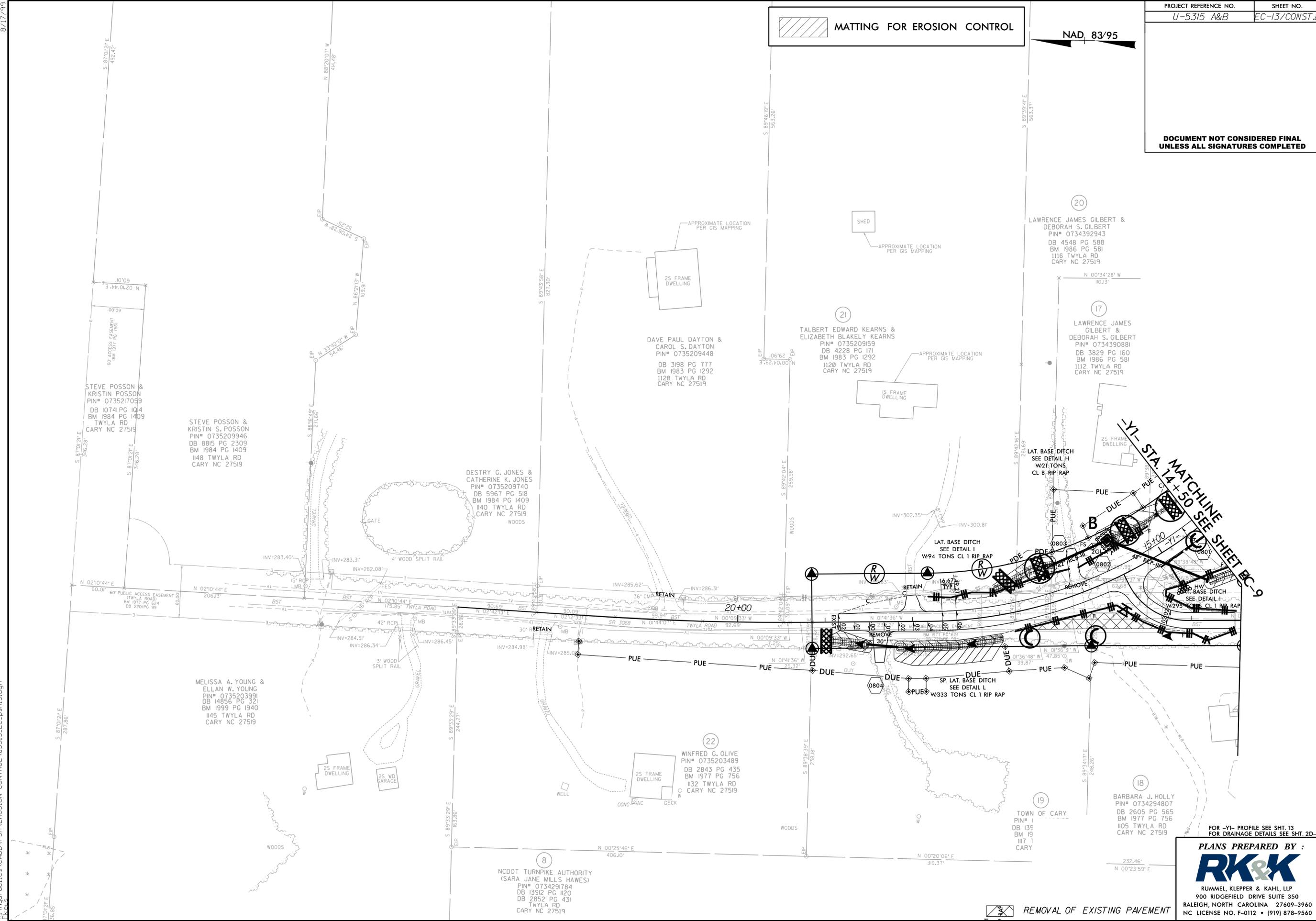
FOR -NC540- PROFILE SEE SHT. 14
FOR DRAINAGE DETAILS SEE SHT. 2D-1
PLANS PREPARED BY :
RK&K
RUMMEL, KLEPPER & KAHL, LLP
900 RIDGEFIELD DRIVE SUITE 350
RALEIGH, NORTH CAROLINA 27609-3960
NC LICENSE NO. F-0112 • (919) 878-9560

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NAD 83/95



-Y1- STA. 14+50 MATCHLINE SEE SHEET EC-9

FOR -Y1- PROFILE SEE SHT. 13
FOR DRAINAGE DETAILS SEE SHT. 2D-1

PLANS PREPARED BY :

RK&K

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 900 RIDGEFIELD DRIVE SUITE 350
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 NC LICENSE NO. F-0112 • (919) 878-9560

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