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09.08/2019

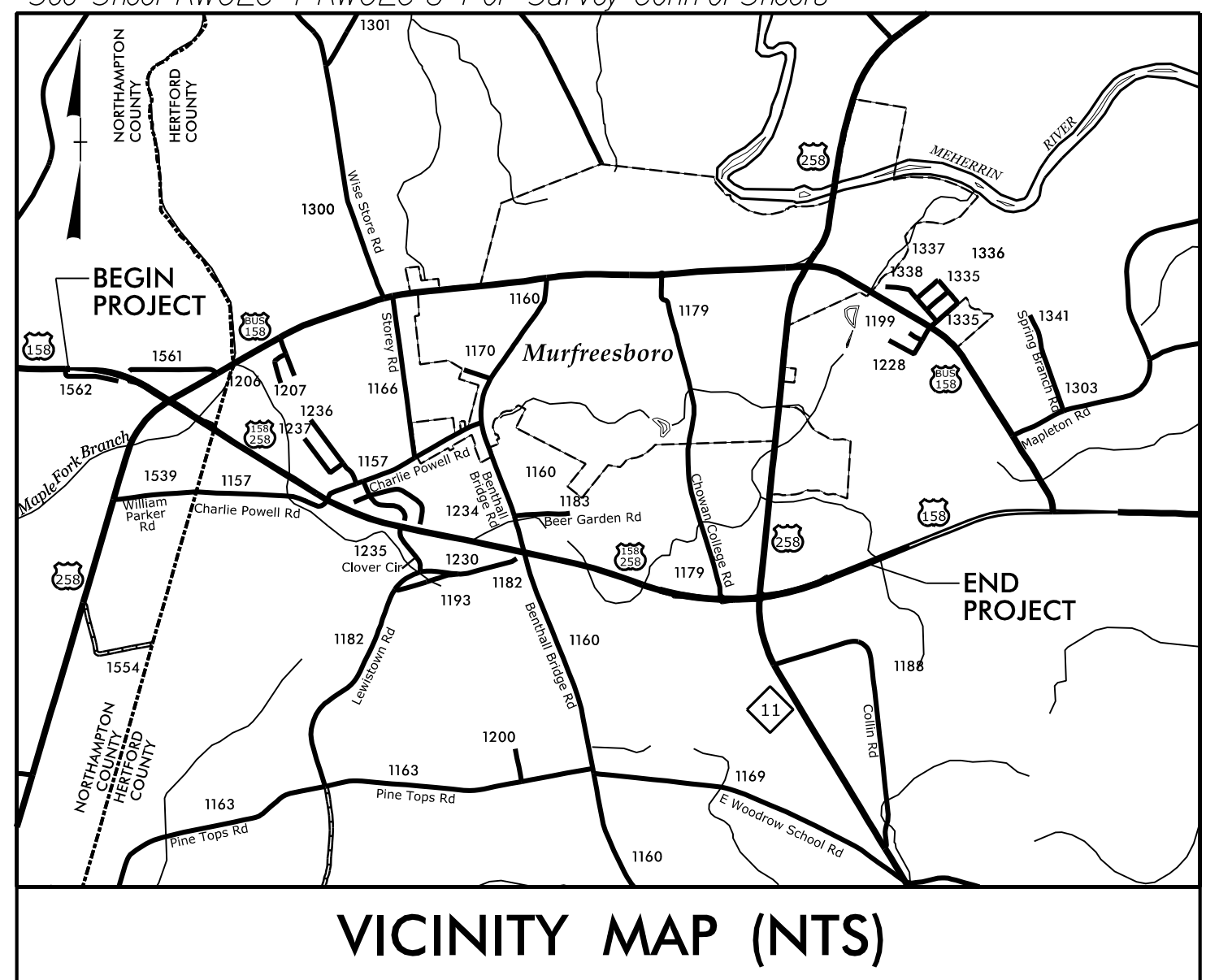
See Sheet 1A For Index of Sheets
See Sheet 1-B For Conventional Symbols
See Sheet RWQ2C-1-RWQ2C-6 For Survey Control Sheets

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

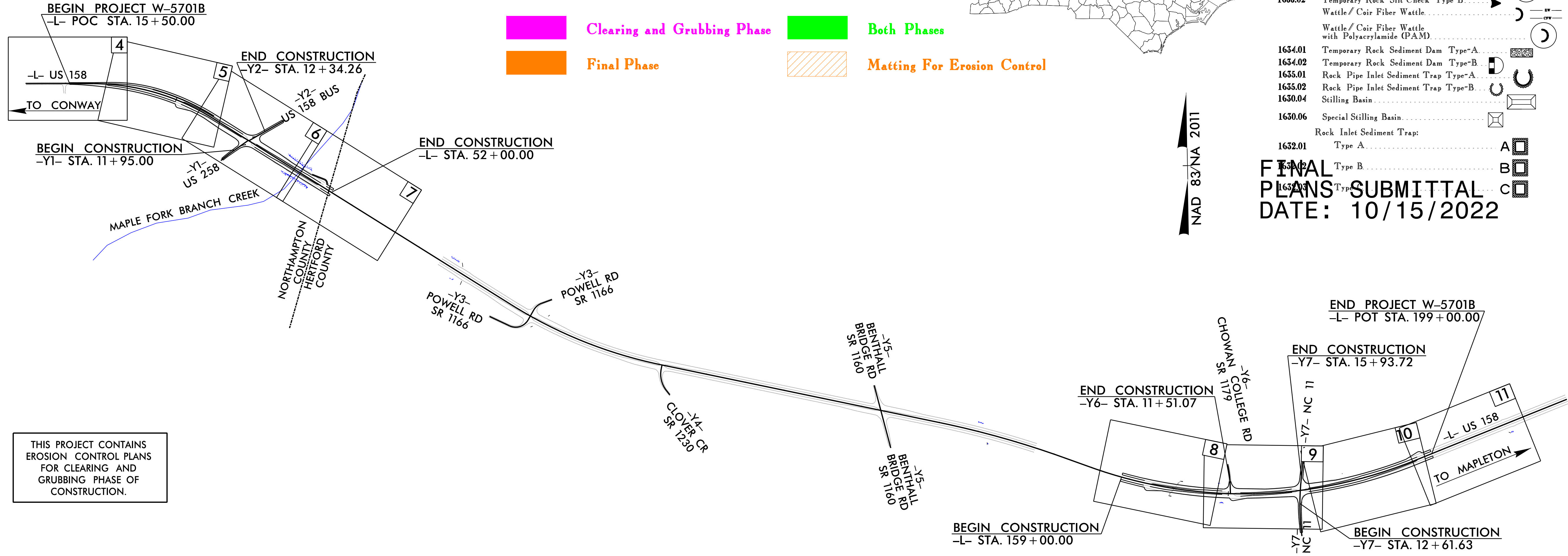
PLAN FOR PROPOSED HIGHWAY EROSION CONTROL NORTHAMPTON AND HERTFORD COUNTIES

**LOCATION: US 158 FROM WEST OF US 258 TO
EAST OF NC 11**
**TYPE OF WORK: GRADING, DRAINAGE, PAVING,
AND SIGNING**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	W-5701B	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
44847.1.2	HSIP-0158(074)	PE	



TIP PROJECT: W-5701B



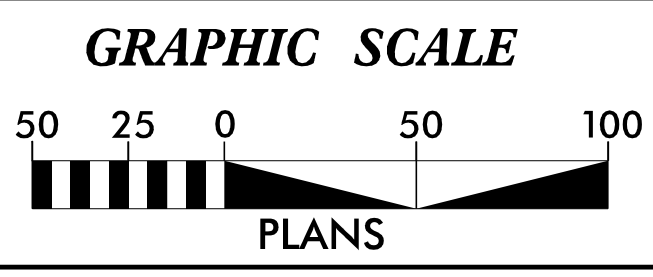
EROSION AND SEDIMENT CONTROL MEASURES

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	---
1630.02	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	---
	Wattle/Coir Fiber Wattle with Polyacrylamide (PAM)	---
1634.01	Temporary Rock Sediment Dam Type-A	---
1634.02	Temporary Rock Sediment Dam Type-B	---
1655.01	Rock Pipe Inlet Sediment Trap Type-A	---
1655.02	Rock Pipe Inlet Sediment Trap Type-B	---
1630.04	Stilling Basin	---
1630.06	Special Stilling Basin	---
	Rock Inlet Sediment Trap Type A	---
1632.01	Type B	---
1632.02	Type C	---

FINAL SUBMITTAL
DATE: 10/15/2022

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

CONTRACT:



THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH THE APPLICABLE REGULATIONS SET FORTH BY THE NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE APRIL 1, 2019 AND ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF WATER RESOURCES.



Prepared in the Office of:
RUMMEL, KLEPPER & KAHL, LLP
 8601 SIX FORKS ROAD, SUITE 700
 RALEIGH, NORTH CAROLINA 27615
 NC LICENSE NO. F-0112
 1-888-521-4455 OR 919-878-9560

FOR NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 2018 STANDARD SPECIFICATIONS

Designed by:
Courtland A. Hoffman, P.E. 4312
 NAME LEVEL III CERTIFICATION NO.

Roadway Standard Drawings

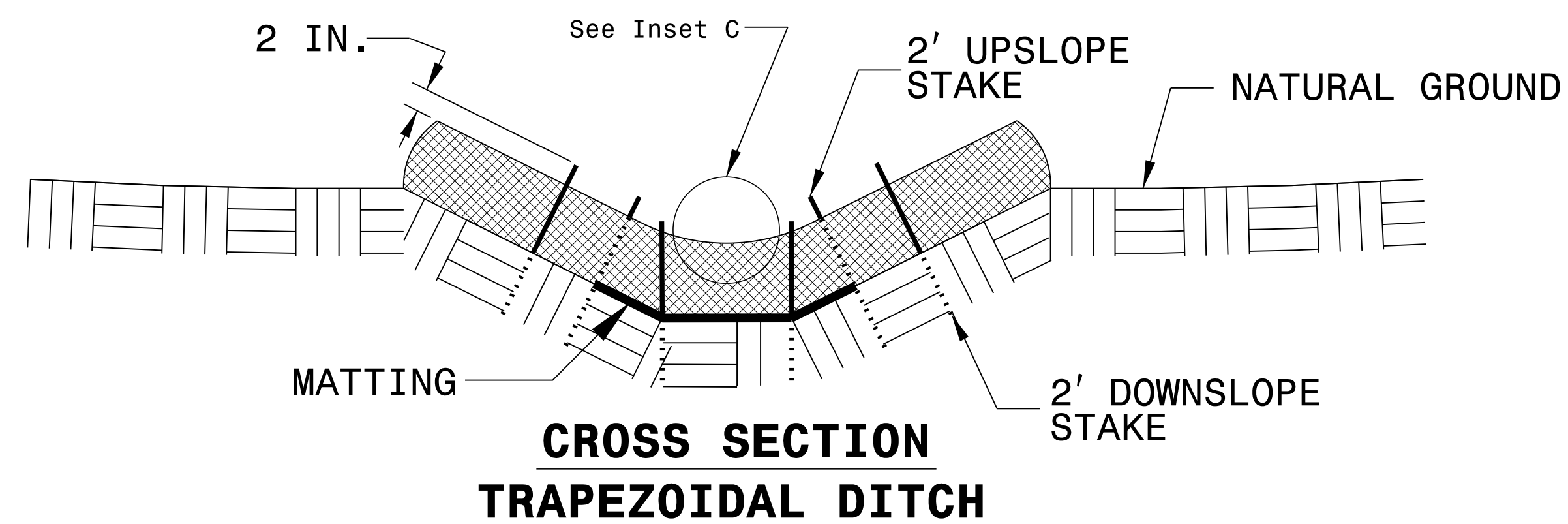
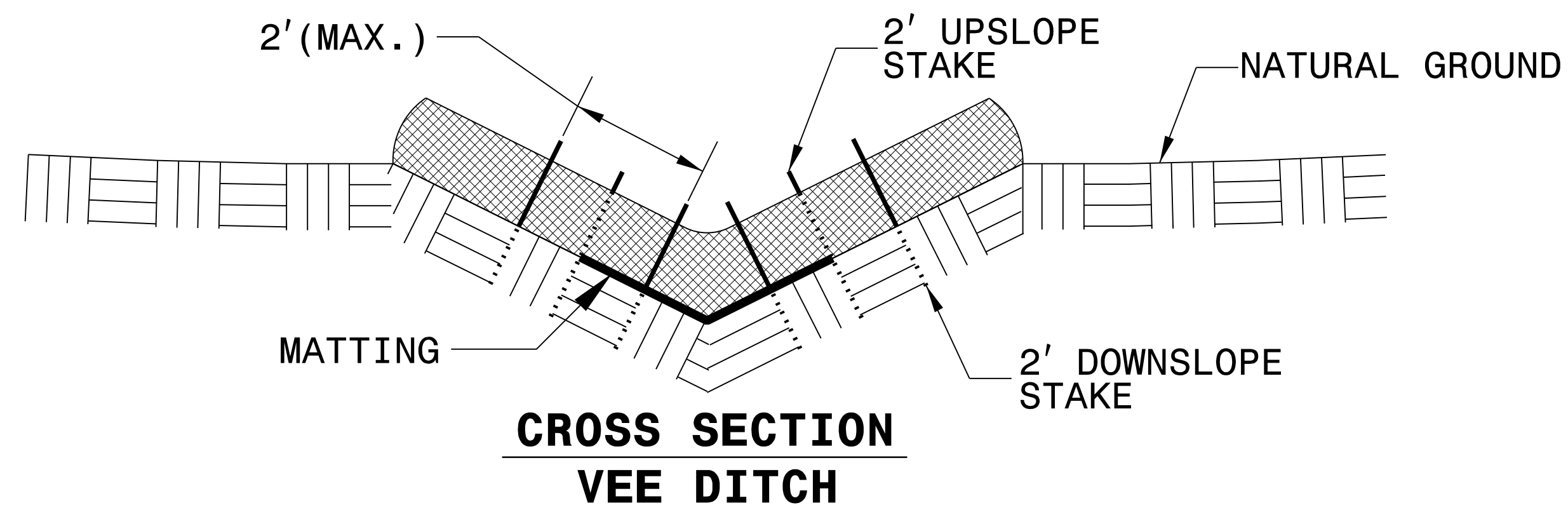
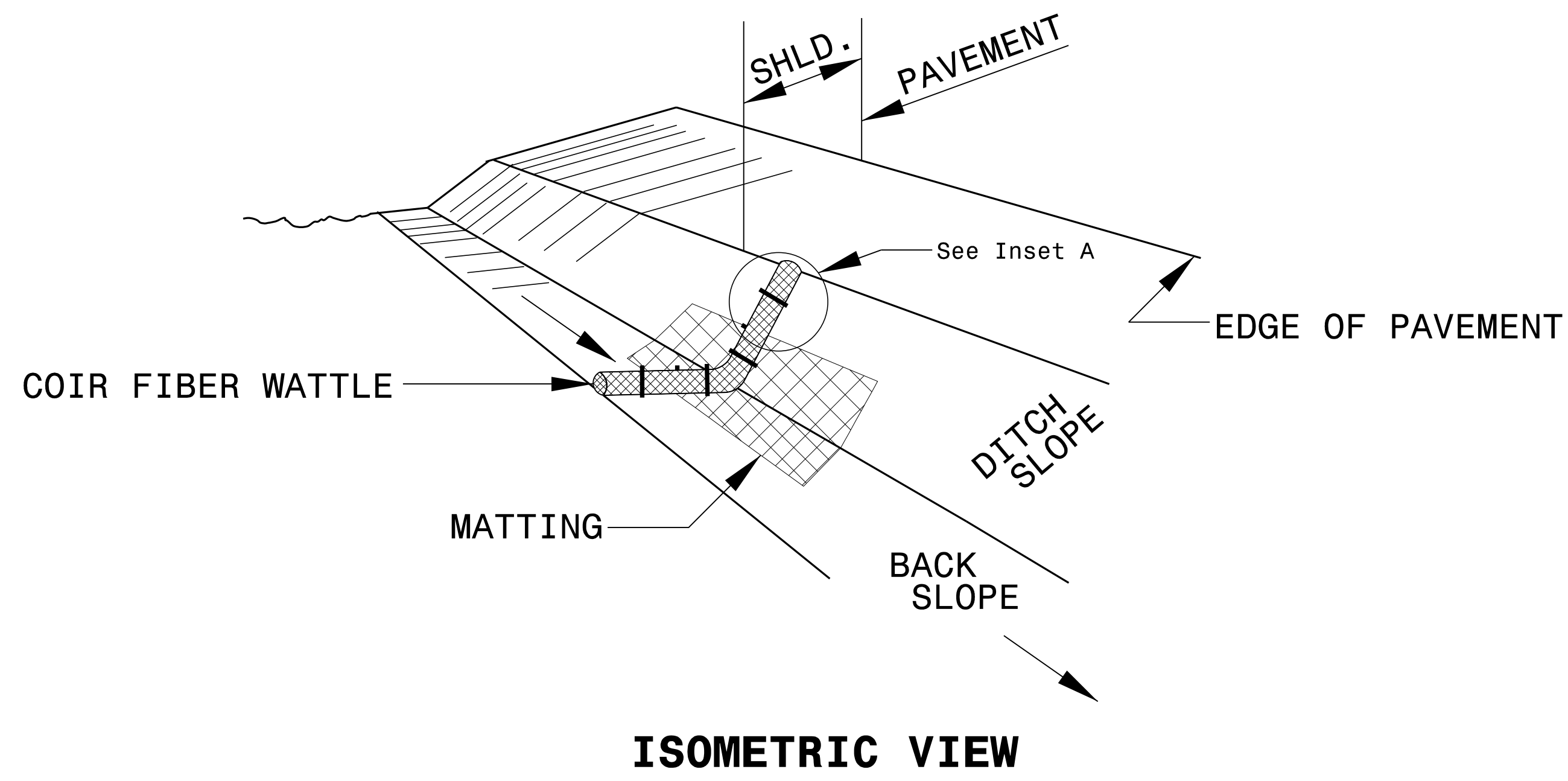
The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2018 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

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 Baffle
1630.06	Special Stilling Basin	1645.01	Temporary Stream Crossing
1631.01	Matting Installation		

10/18/2022 R:\Hydraulics\CADD\PSH\Erosion Control\W5701B_Hyd_EC_tsh.dgn choffman

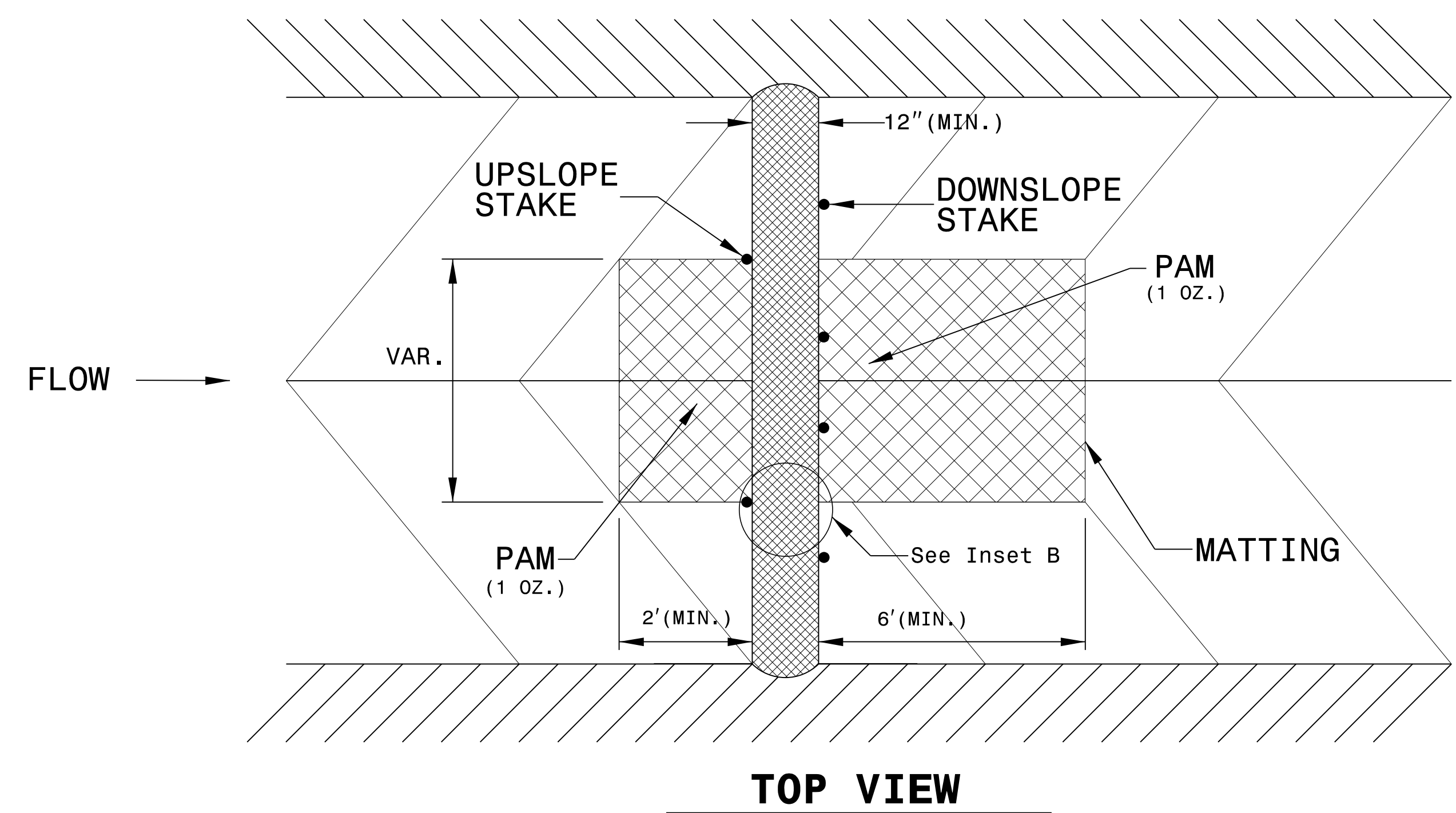
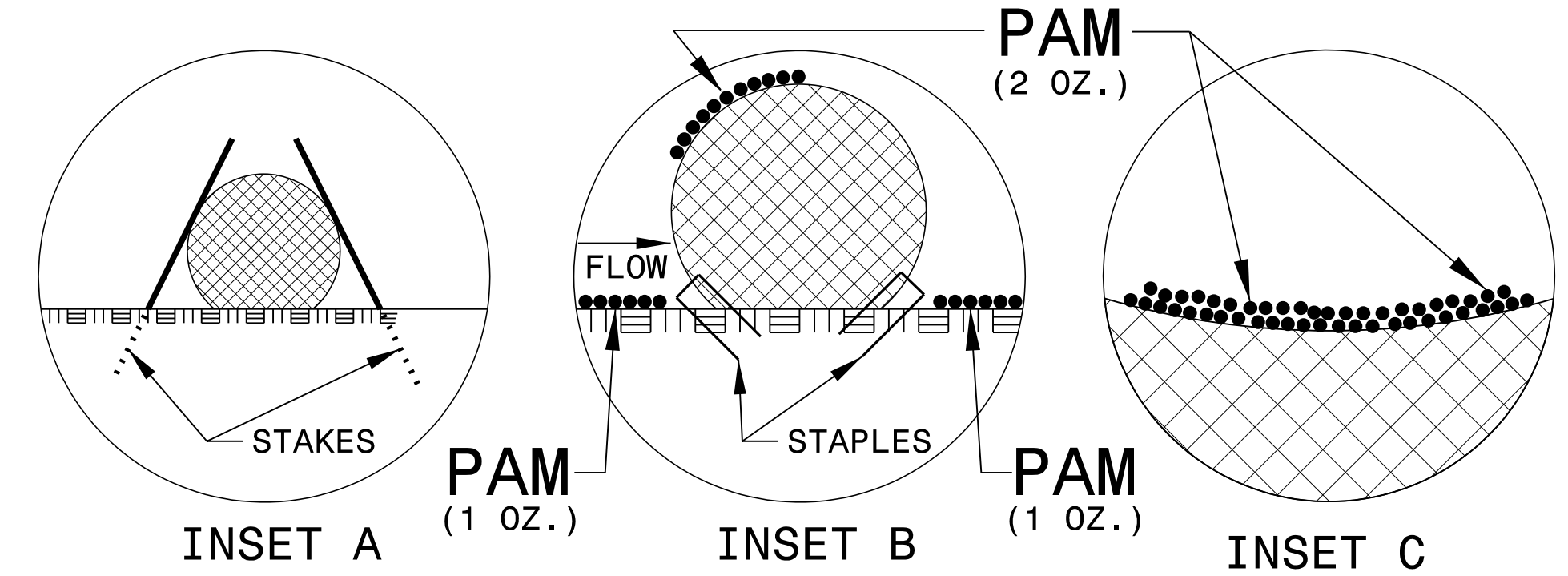
PROJECT REFERENCE NO. W-5701B	SHEET NO. EC-02
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

COIR FIBER WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL



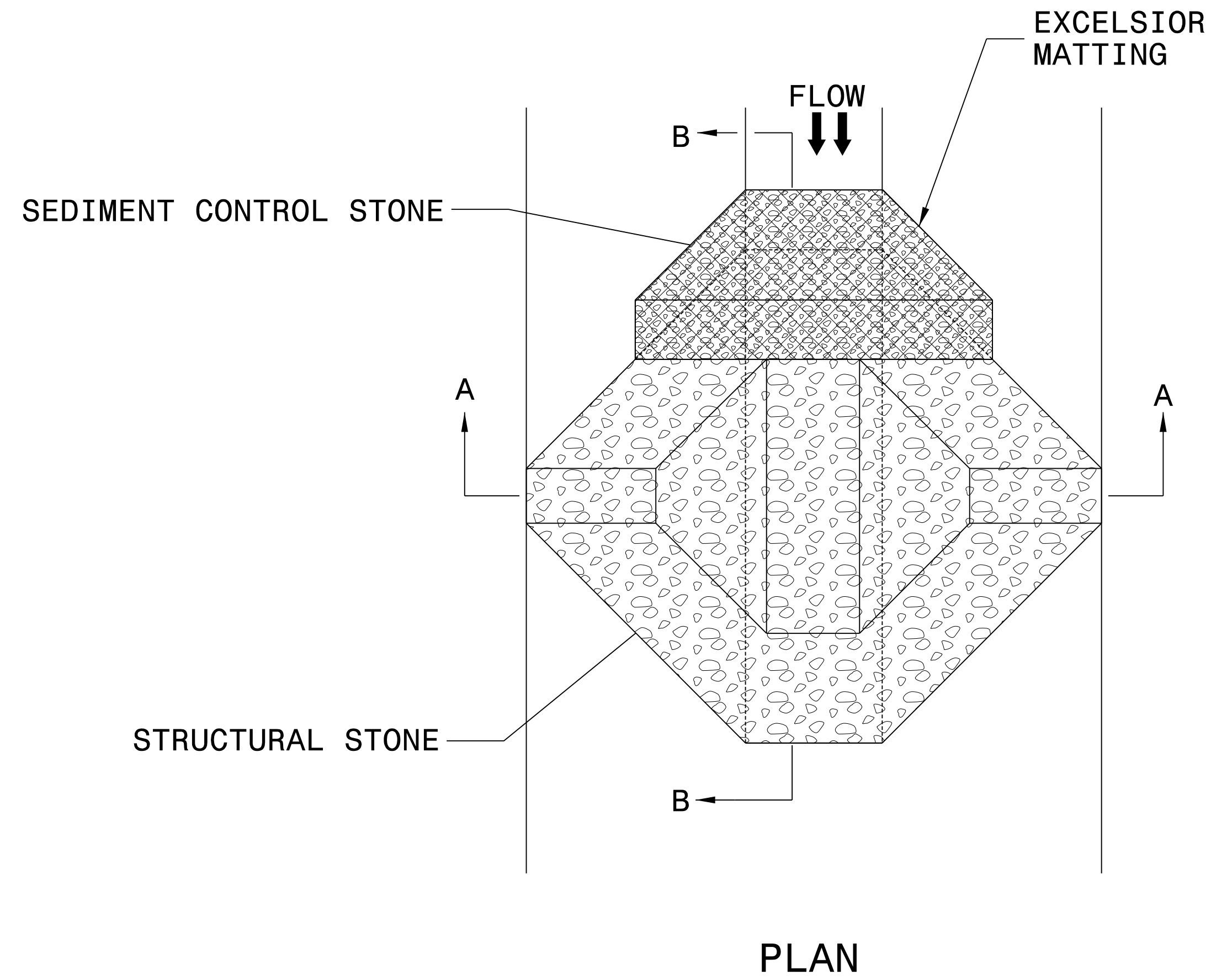
NOTES:

- 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 EACH SIDE OF WATTLE. REAPPLY PAM AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.



PROJECT REFERENCE NO. W-5701B	SHEET NO. EC-2A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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



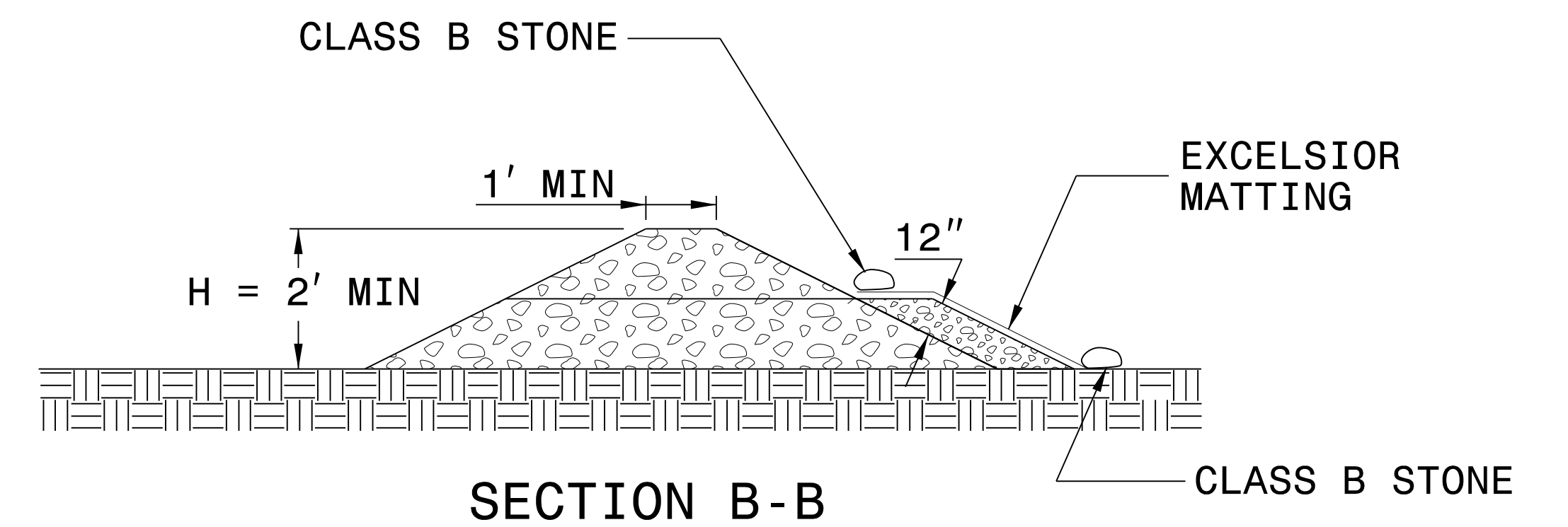
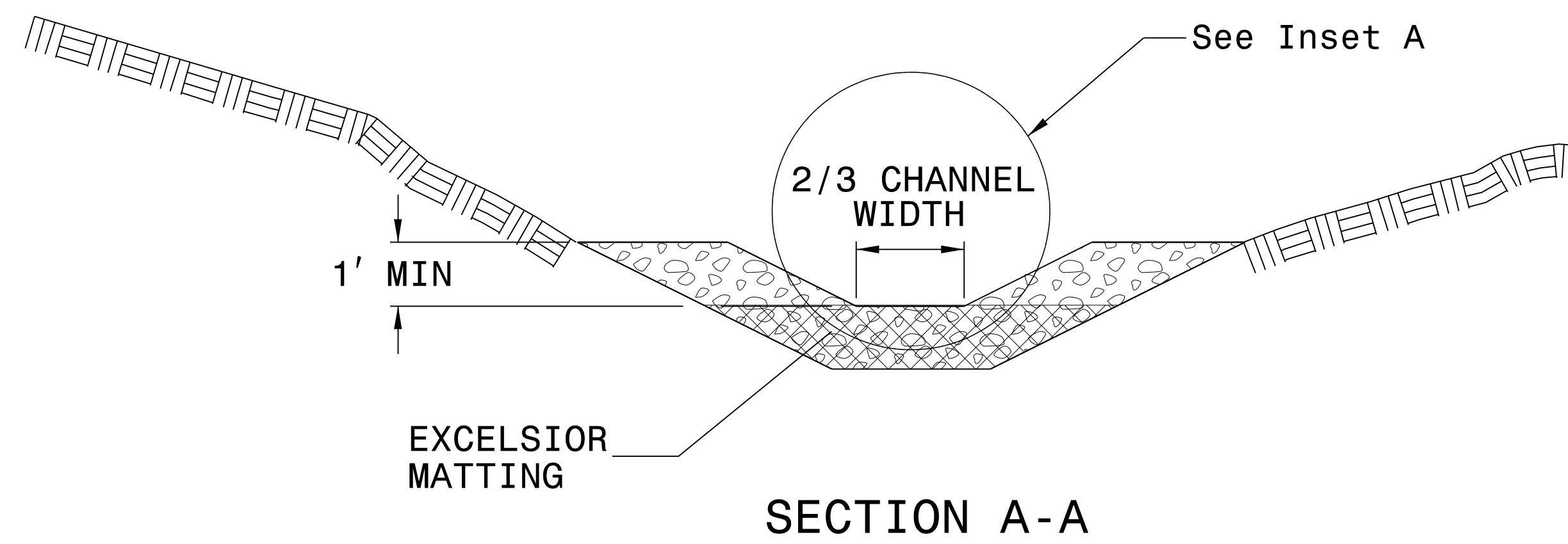
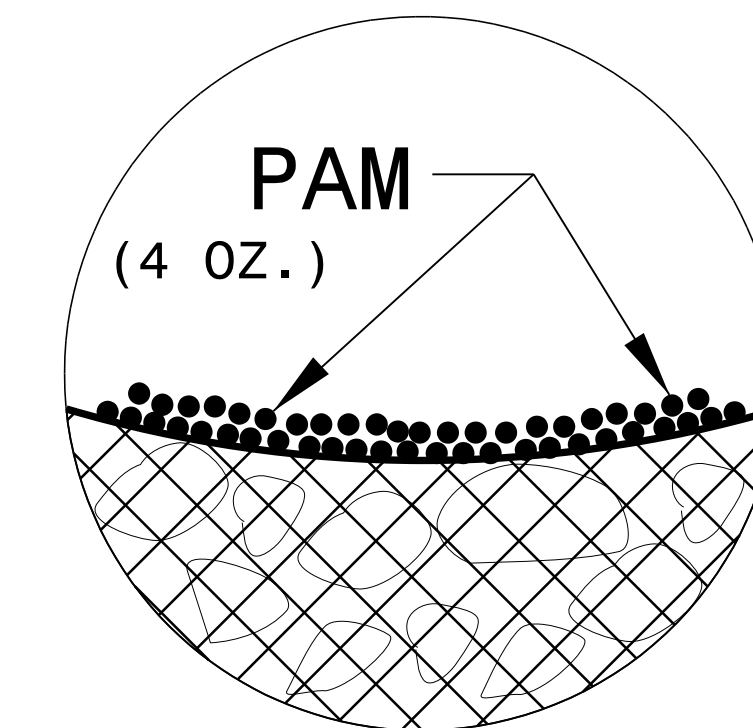
NOTES:

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.



NOT TO SCALE

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO. <i>W-5701B</i>	SHEET NO. <i>EC-03A</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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.

5/14/99

PROJECT REFERENCE NO.	SHEET NO.
W-5701B	EC-04/CONST.04
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

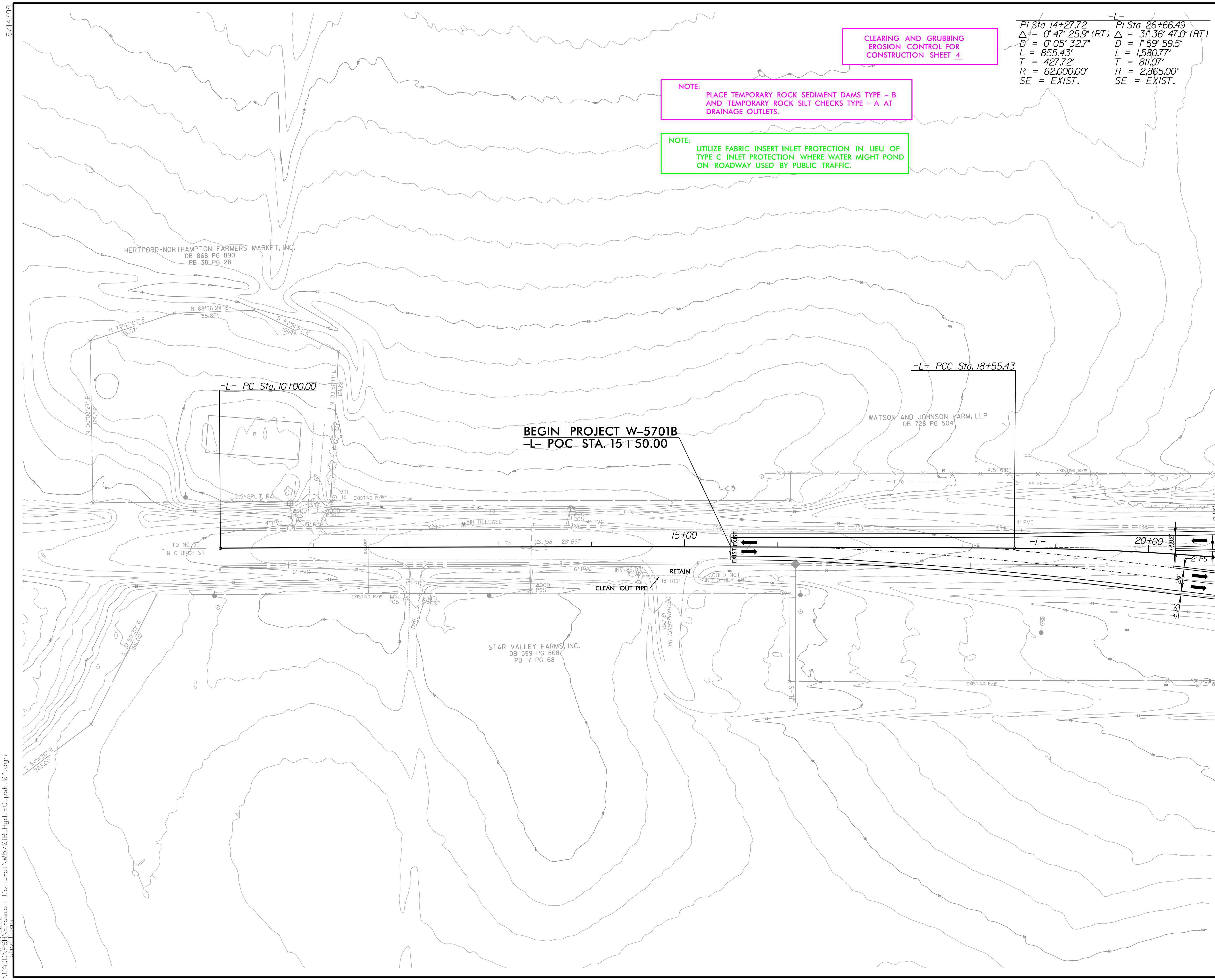
PI Sta 14+27.72 $\Delta = 0^\circ 47' 25.9" (RT)$
 $D = 0' 05' 32.7"$
 $L = 855.43'$
 $T = 427.72'$
 $R = 62,000.00'$
 $SE = EXIST.$

-L-
 PI Sta 26+66.49 $\Delta = 31^\circ 36' 47.0" (RT)$
 $D = 1' 59' 59.5"$
 $L = 1,580.77'$
 $T = 811.07'$
 $R = 2,865.00'$
 $SE = EXIST.$

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.

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF
TYPE C INLET PROTECTION WHERE WATER MIGHT POND
ON ROADWAY USED BY PUBLIC TRAFFIC.



MATCH TO SHEET 5 -L- STA. 21+00.00

NAD 83/NA 2011

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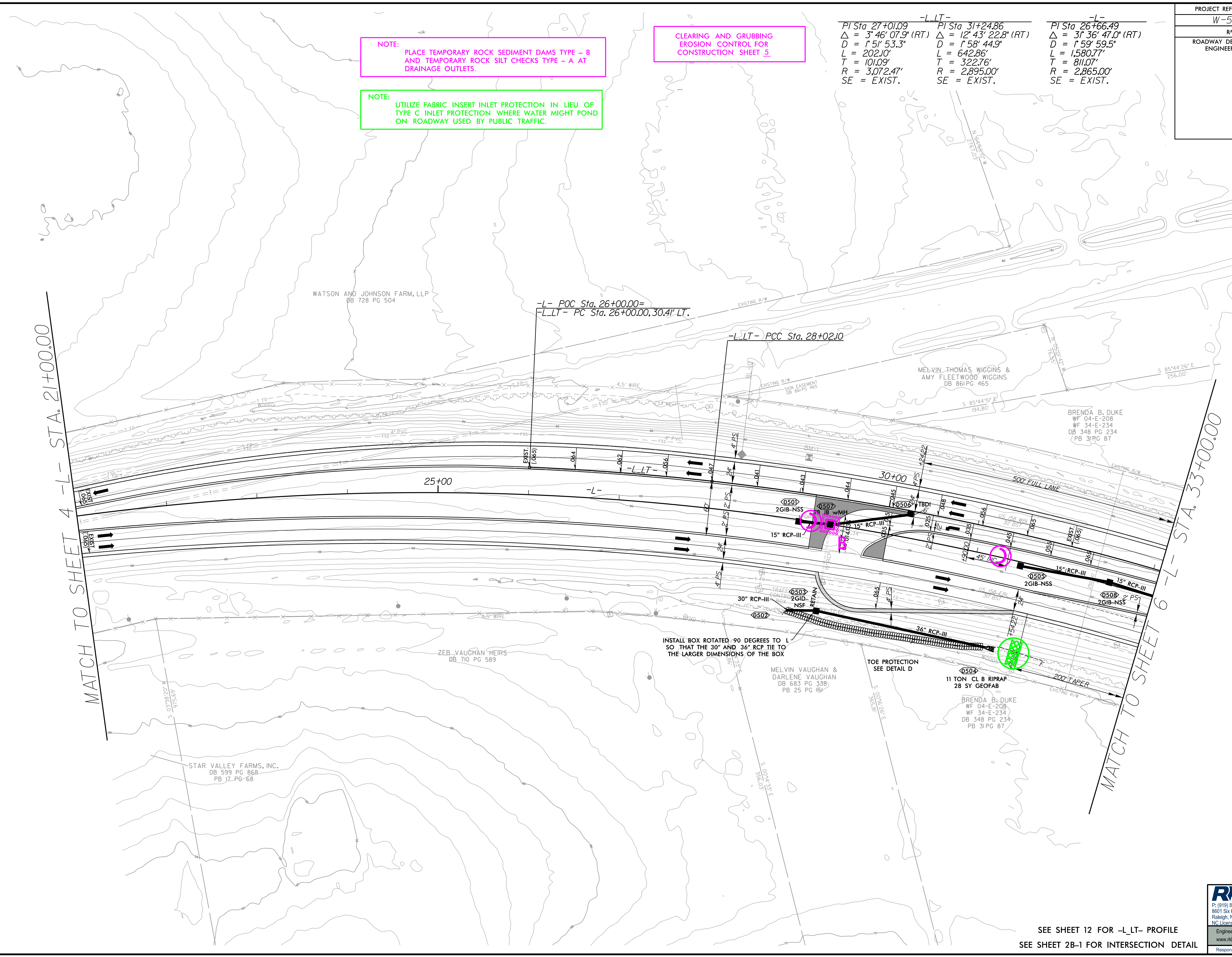
PROJECT REFERENCE NO.	SHEET NO.
W-5701B	EC-05/CONST.05
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

-L LT-	-L-	-L-
PI Sta 27+01.09	PI Sta 31+24.86	PI Sta 26+66.49
$\Delta = 3' 46' 07.9''$ (RT)	$\Delta = 12' 43' 22.8''$ (RT)	$\Delta = 3' 36' 47.0''$ (RT)
D = 151' 53.3'	D = 158' 44.9'	D = 159' 59.5'
L = 202.10'	L = 642.86'	L = 1,580.77'
T = 101.09'	T = 322.76'	T = 811.07'
R = 3,072.47'	R = 2,895.00'	R = 2,865.00'
SE = EXIST.	SE = EXIST.	SE = EXIST.

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 FABRIC INSERT INLET PROTECTION IN LIEU OF TYPE C INLET PROTECTION WHERE WATER MIGHT POND ON ROADWAY USED BY PUBLIC TRAFFIC.



MATCH TO SHEET 4 - L - STA. 21+00.00

MATCH TO SHEET 6 - L - STA. 33+00.00

NAD 83/NA 2011

INSTALL BOX ROTATED 90 DEGREES TO L SO THAT THE 30" AND 36" RCP TIE TO THE LARGER DIMENSIONS OF THE BOX

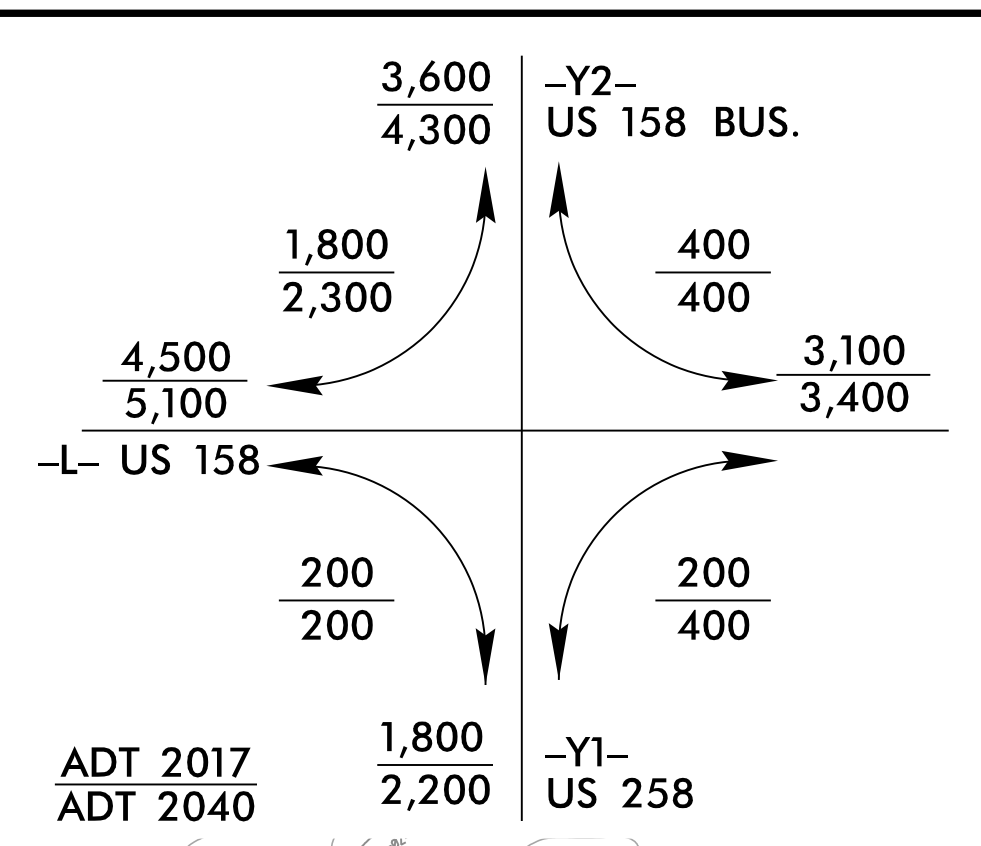
TOE PROTECTION SEE DETAIL D

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SEE SHEET 12 FOR -L LT- PROFILE
SEE SHEET 2B-1 FOR INTERSECTION DETAIL

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PROJECT REFERENCE NO.	SHEET NO.
W-5701B	EC-06/CONST.06
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



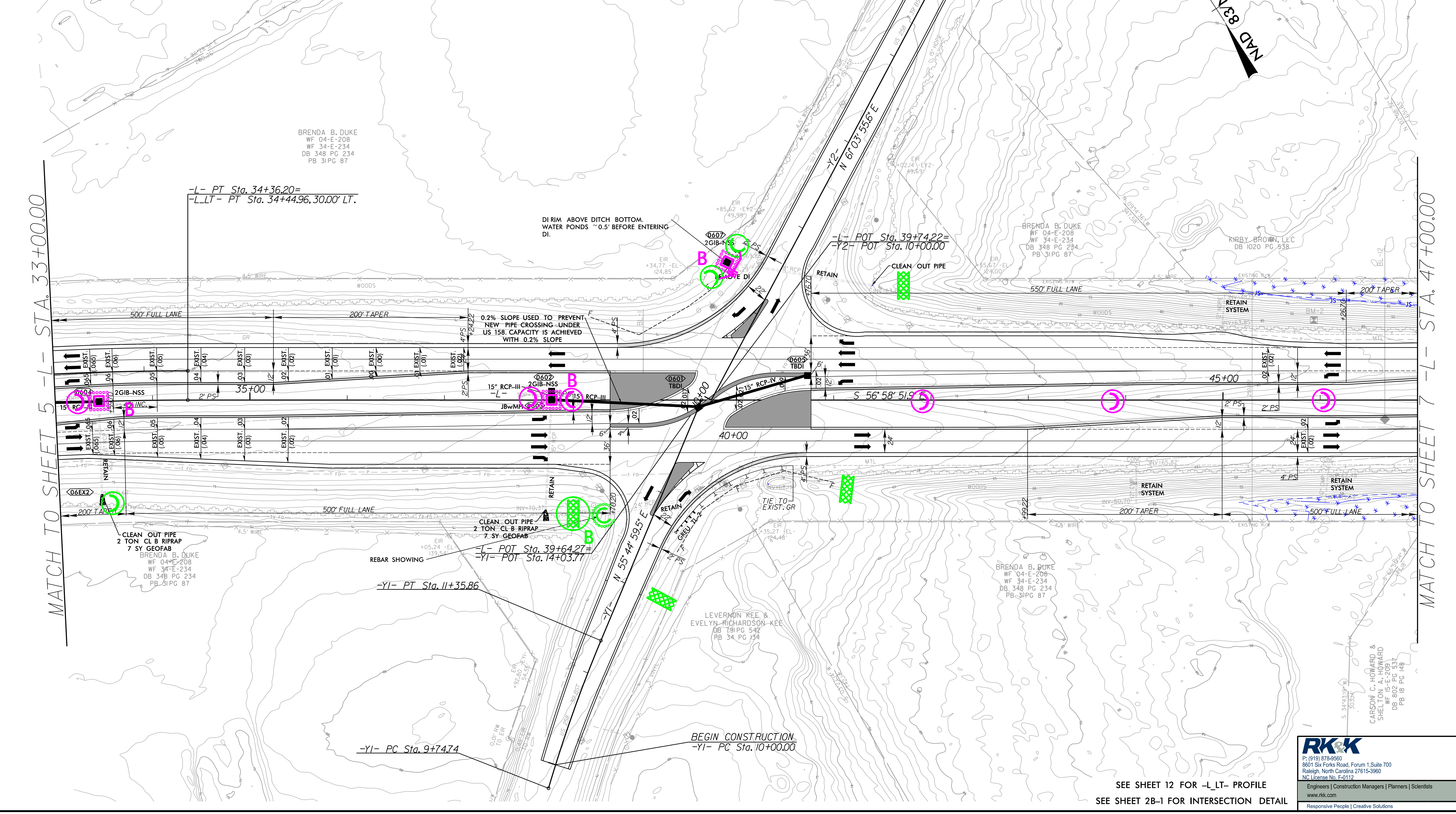
NOTE:
CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 6

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

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF
TYPE C INLET PROTECTION WHERE WATER MIGHT POND
ON ROADWAY USED BY PUBLIC TRAFFIC.

-L-
PI Sta. 26+66.49
 $\Delta = 31' 36" 47.0" (RT)$
 $D = 1' 59" 59.5"$
 $L = 1,580.77'$
 $T = 811.07'$
 $R = 2,865.00'$
SE = EXIST.

-Y1-
PI Sta. 10+55.38
 $\Delta = 6' 21" 59.4" (RT)$
 $D = 3' 57" 05.2"$
 $L = 161.2'$
 $T = 80.64'$
 $R = 1,450.00'$
SE = EXIST.



MATCH TO SHEET 5 -L- STA. 33+00.00

MATCH TO SHEET 7 -L- STA. 47+00.00

SEE SHEET 12 FOR -L-LT- PROFILE
SEE SHEET 2B-1 FOR INTERSECTION DETAIL

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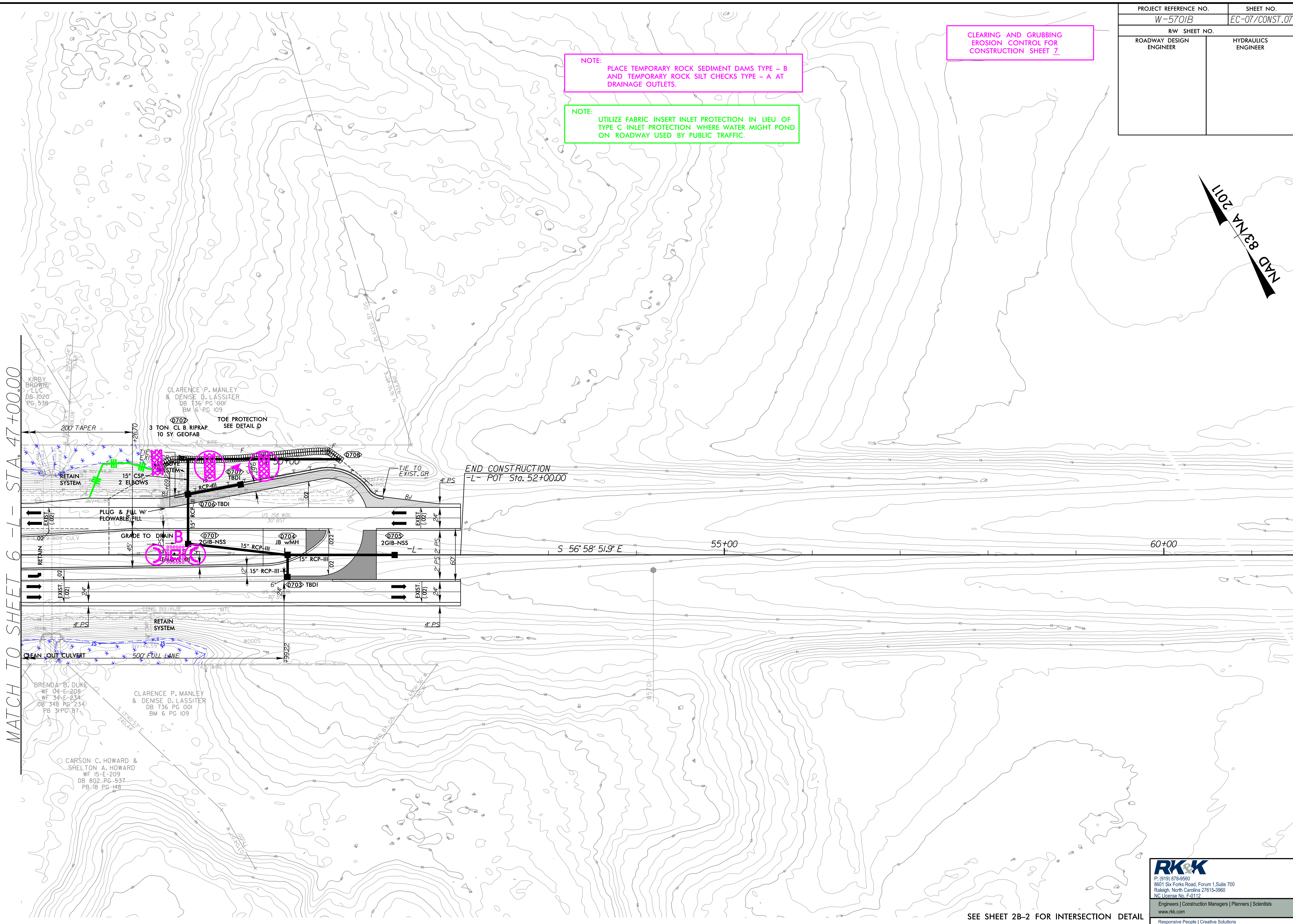
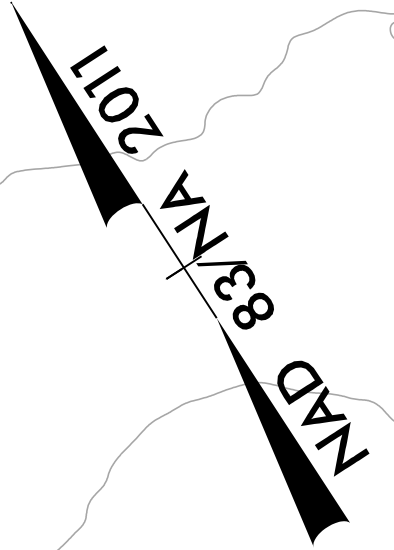
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PROJECT REFERENCE NO.	SHEET NO.
W-5701B	EC-07/CONST.07
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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.

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF
TYPE C INLET PROTECTION WHERE WATER MIGHT POND
ON ROADWAY USED BY PUBLIC TRAFFIC.



MATCH TO SHEET 6 - L - STA. 47+00.00

END CONSTRUCTION
-L- POT Sta. 52+00.00

SEE SHEET 2B-2 FOR INTERSECTION DETAIL

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PROJECT REFERENCE NO.	SHEET NO.
W-5701B	EC-08/CONST.08
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

PI Sta 165+43.38
 $\Delta = 20' 53" 20.9" (LT)$
 $D = 1'00' 18.7"$
 $L = 2,078.13'$
 $T = 1,050.73'$
 $R = 5,700.00'$
 $SE = EXIST.$

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.

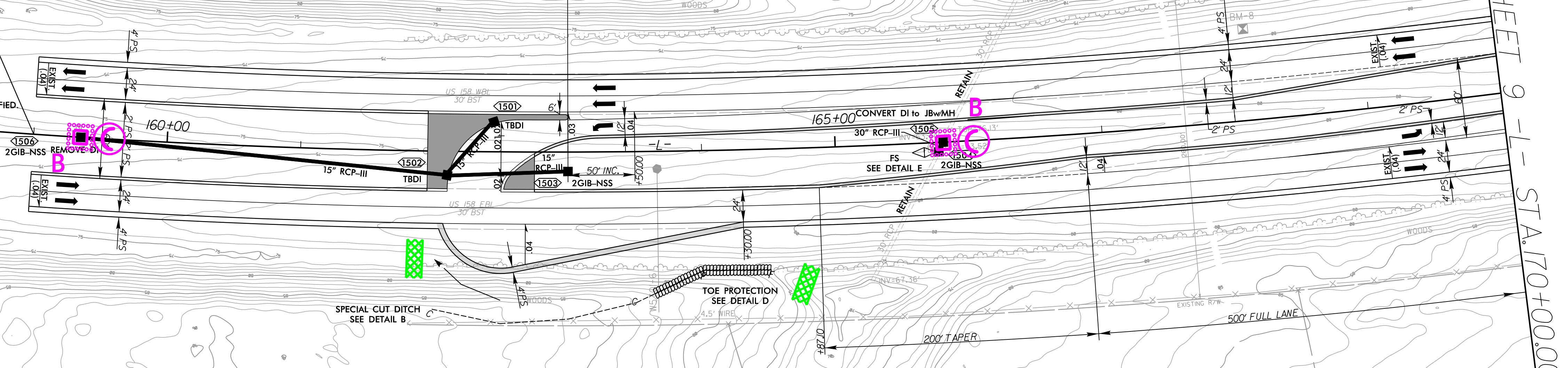
NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF
TYPE C INLET PROTECTION WHERE WATER MIGHT POND
ON ROADWAY USED BY PUBLIC TRAFFIC.

1102
NAD 83
NAD 2011

MATCH TO SHEET 9-1- STA 170+00.00

BEGIN CONSTRUCTION
L- POC Sta. 159+00.00

EXISTING DI APPROXIMATELY LOCATED
BASED ON AERIAL AND LIDAR. RIM AND
INVERT ELEVATIONS WILL NEED TO BE FIELD VERIFIED.



SPECIAL CUT DITCH
SEE DETAIL B

TOE PROTECTION
SEE DETAIL D

R. H. UNDERWOOD
DB 263 PG 237

MEREDITH M. COPELAND
DB 502 PG 871

STEVEN R. BURGESS
DB 813 PG 292

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SEE SHEET 2B-3 FOR INTERSECTION DETAIL

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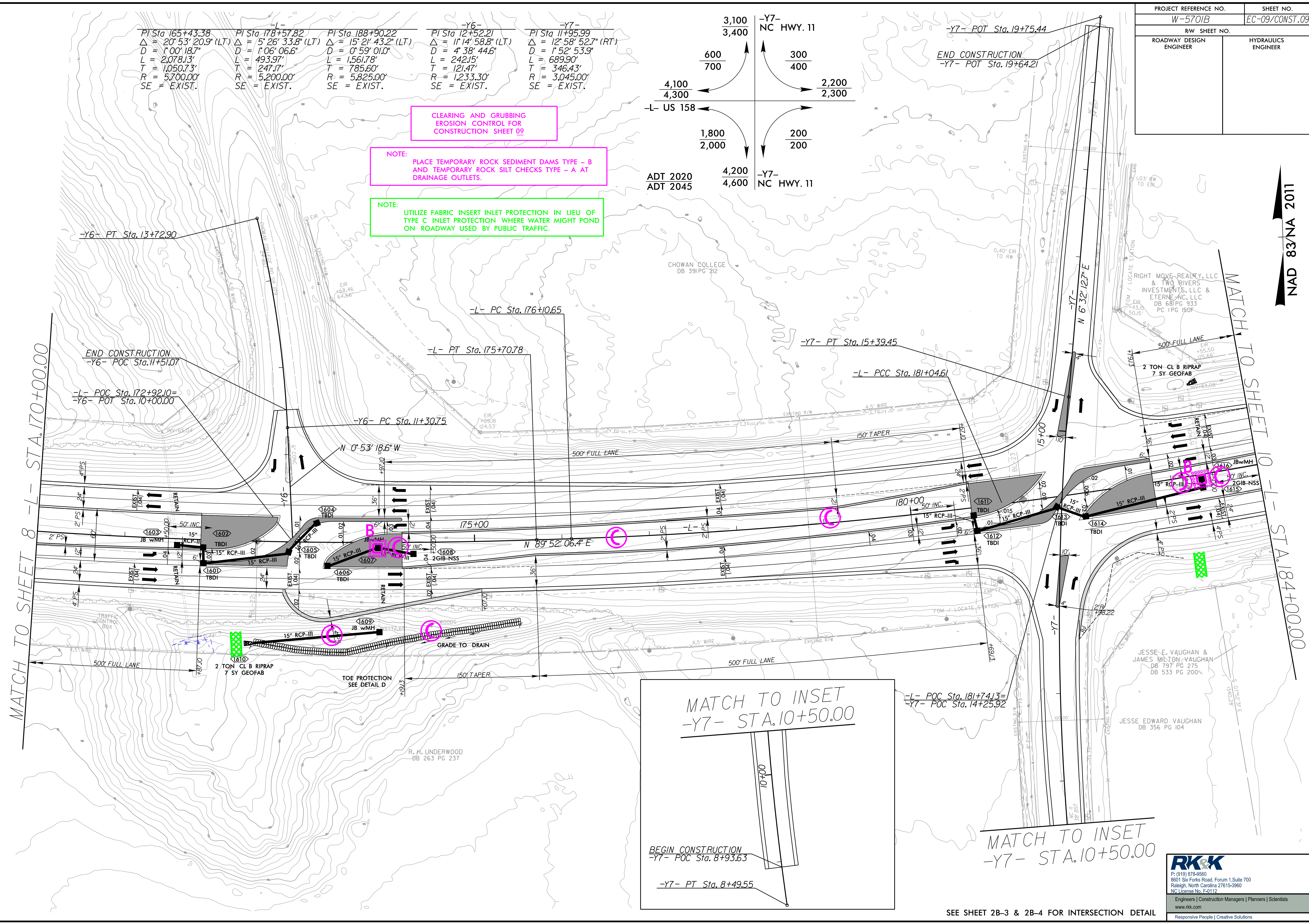
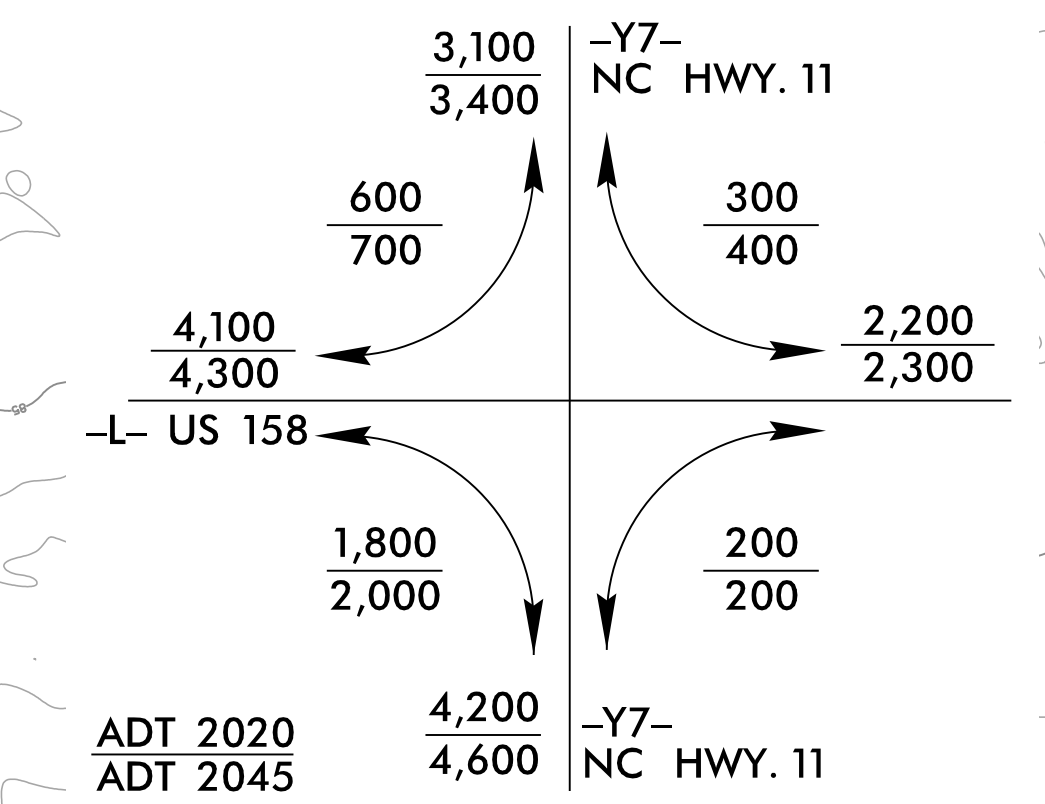
PROJECT REFERENCE NO.	SHEET NO.
W-5701B	EC-09/CONST.09
RDW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

-L-	-Y6-	-Y6-	-Y6-	-Y7-
PI Sta 165+43.38 Δ = 20° 53' 20.9" (LT) D = 1'00' 18.7" L = 2,078.13' T = 1,050.73' R = 5,700.00' SE = EXIST.	PI Sta 178+57.82 Δ = 5° 26' 33.8" (LT) D = 1'06' 06.6" L = 493.97' T = 247.17' R = 5,200.00' SE = EXIST.	PI Sta 188+90.22 Δ = 15° 21' 43.2" (LT) D = 0° 59' 01.0" L = 1,561.78' T = 785.60' R = 5,825.00' SE = EXIST.	PI Sta 12+52.21 Δ = 11° 14' 58.8" (LT) D = 4° 38' 44.6" L = 242.15' T = 121.47' R = 1,233.30' SE = EXIST.	PI Sta 11+95.99 Δ = 12° 58' 52.7" (RT) D = 1° 52' 53.9" L = 689.90' T = 346.43' R = 3,045.00' SE = EXIST.

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 09

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

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF
TYPE C INLET PROTECTION WHERE WATER MIGHT POND
ON ROADWAY USED BY PUBLIC TRAFFIC.



MATCH TO SHEET 8 -L- STA. 170+00.00

MATCH TO SHEET 10 -L- STA. 184+00.00

MATCH TO INSET
-Y7- STA. 10+50.00

BEGIN CONSTRUCTION
-Y7- POC Sta. 8+93.63

-Y7- PT Sta. 8+49.55

MATCH TO INSET
-Y7- STA. 10+50.00

SEE SHEET 2B-3 & 2B-4 FOR INTERSECTION DETAIL

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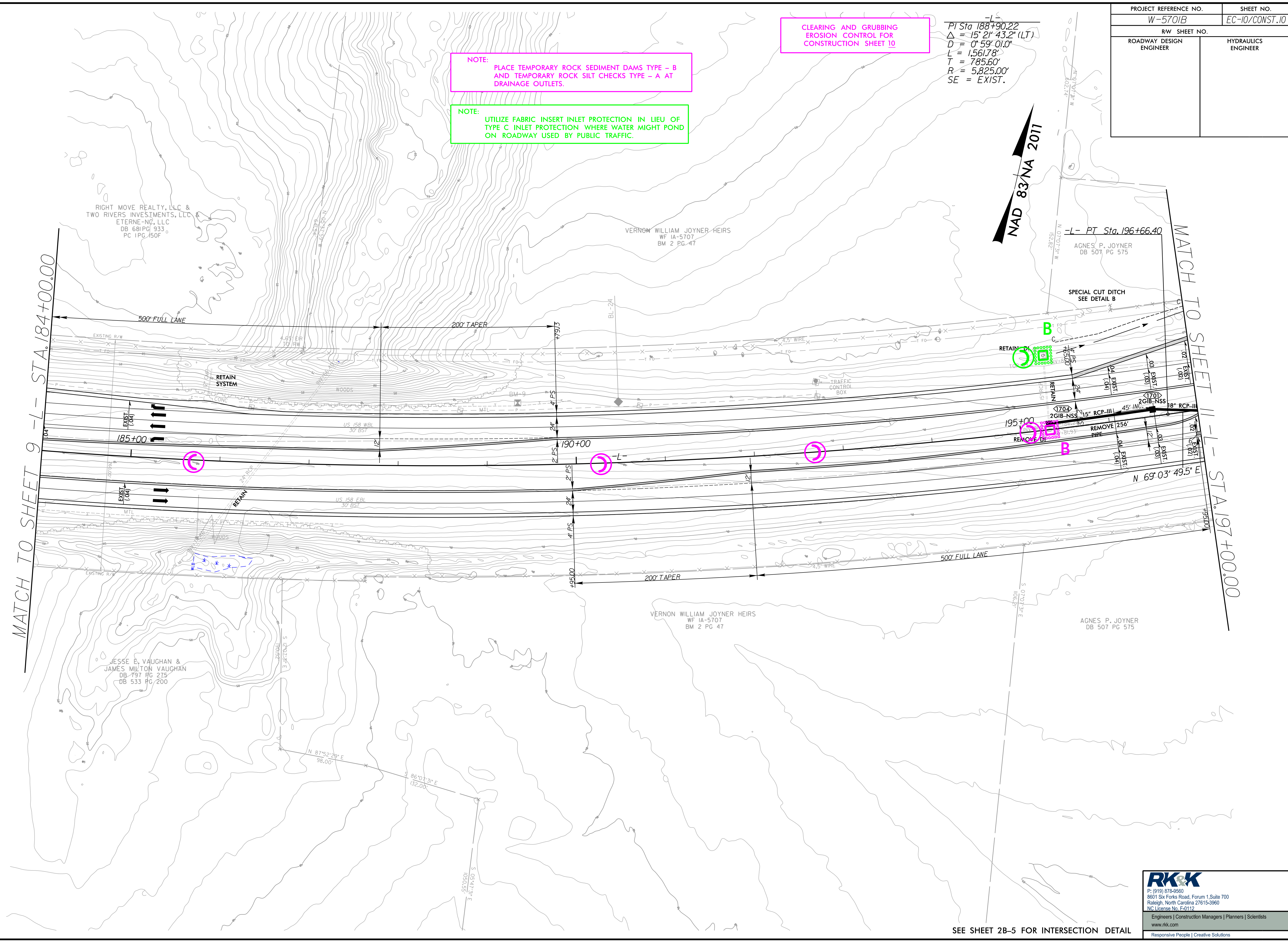
PROJECT REFERENCE NO.	SHEET NO.
W-5701B	EC-10/CONST.10
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 10

-L-
PI Sta 188+90.22
 $\Delta = 15^{\circ} 21' 43.2''$ (LT)
D = 0' 59' 01.0"
L = 1,561.78'
T = 785.60'
R = 5,825.00'
SE = EXIST.

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

NOTE: UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF TYPE C INLET PROTECTION WHERE WATER MIGHT POND ON ROADWAY USED BY PUBLIC TRAFFIC.



MATCH TO SHEET 9 -L- STA 184+00.00

MATCH TO SHEET 11 -L- STA 197+00.00

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SEE SHEET 2B-5 FOR INTERSECTION DETAIL

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PROJECT REFERENCE NO. W-5701B	SHEET NO. EC-II/CONST.II
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET !!

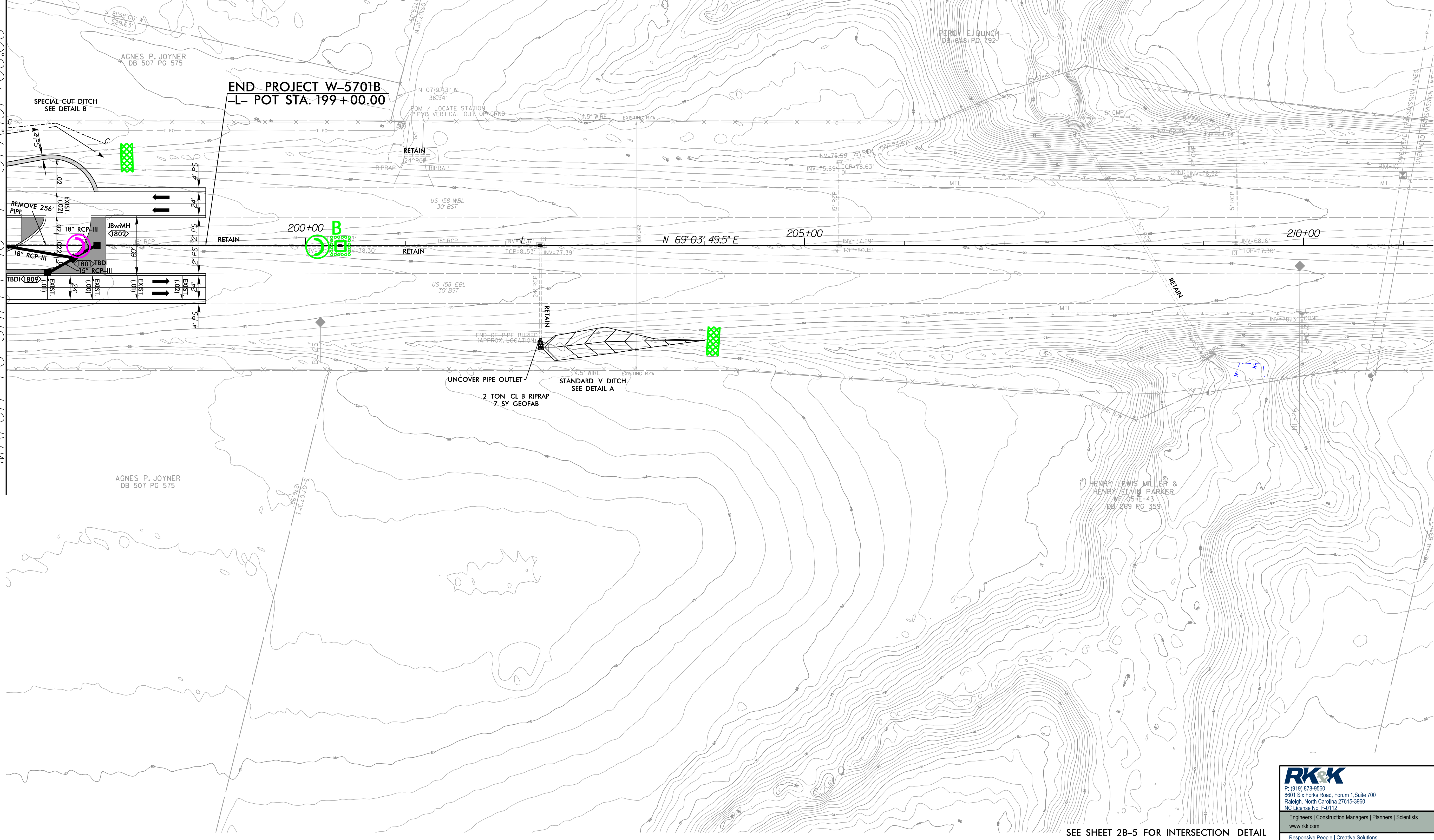
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF
TYPE C INLET PROTECTION WHERE WATER MIGHT POND
ON ROADWAY USED BY PUBLIC TRAFFIC.

NAD 83/NA 2011

MATCH TO SHEET 10 -L- STA. 197+00.00

END PROJECT W-5701B
-L- POT STA. 199+00.00



SEE SHEET 2B-5 FOR INTERSECTION DETAIL

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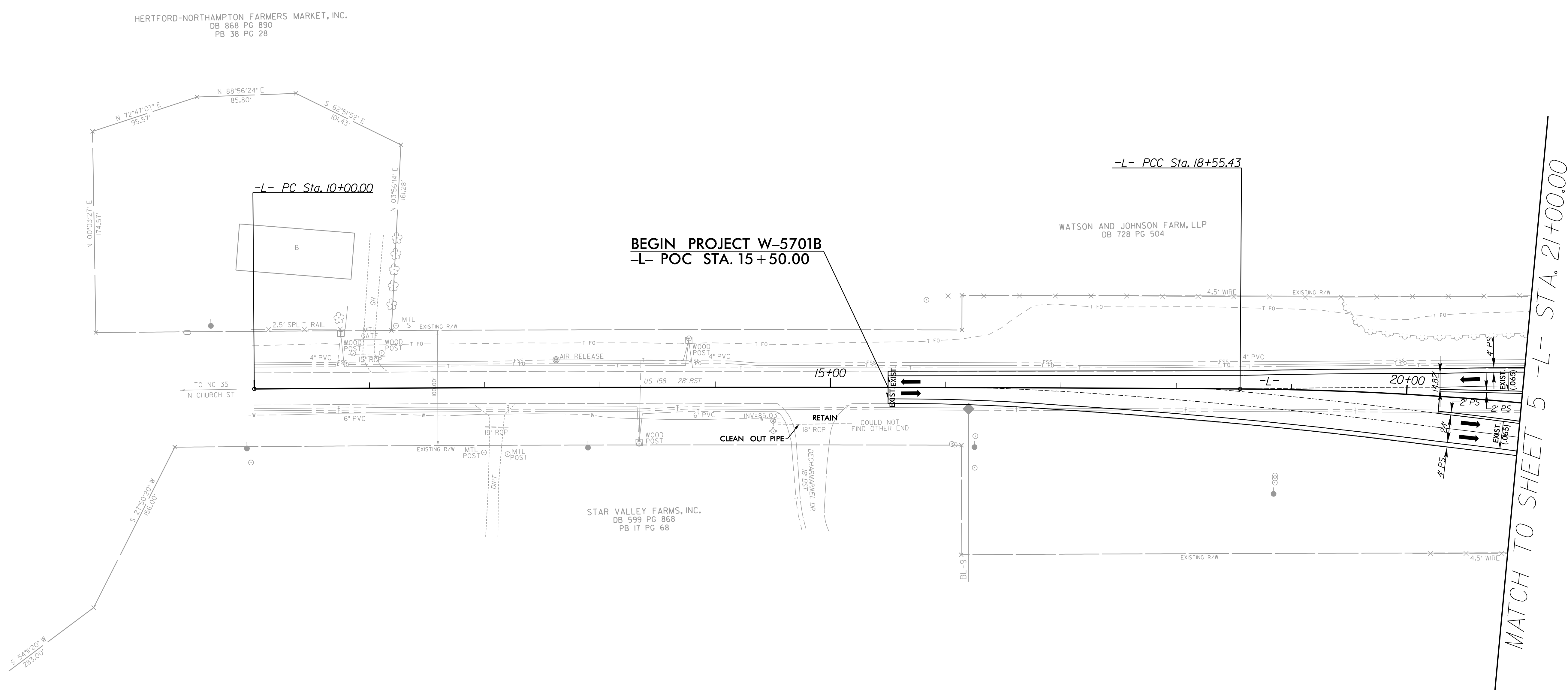
5/14/99
 C:\Users\CAD\Documents\2022\Position Contr-ol\W5701B-Hyd-EC-psh-11.dgn

5/14/99

PI Sta 14+27.72 Δ = 0° 47' 25.9" (RT) D = 0° 05' 32.7" L = 855.43' T = 427.72' R = 62,000.00' SE = EXIST.	-L-	PI Sta 26+66.49 Δ = 31° 36' 47.0" (RT) D = 1° 59' 59.5" L = 1,580.77' T = 811.07' R = 2,865.00' SE = EXIST.
---	-----	---

PROJECT REFERENCE NO. W-5701B	SHEET NO. EC-12/CONST.04
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE: UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF TYPE C INLET PROTECTION WHERE WATER MIGHT POND ON ROADWAY USED BY PUBLIC TRAFFIC.



NAD 83/NA 2011

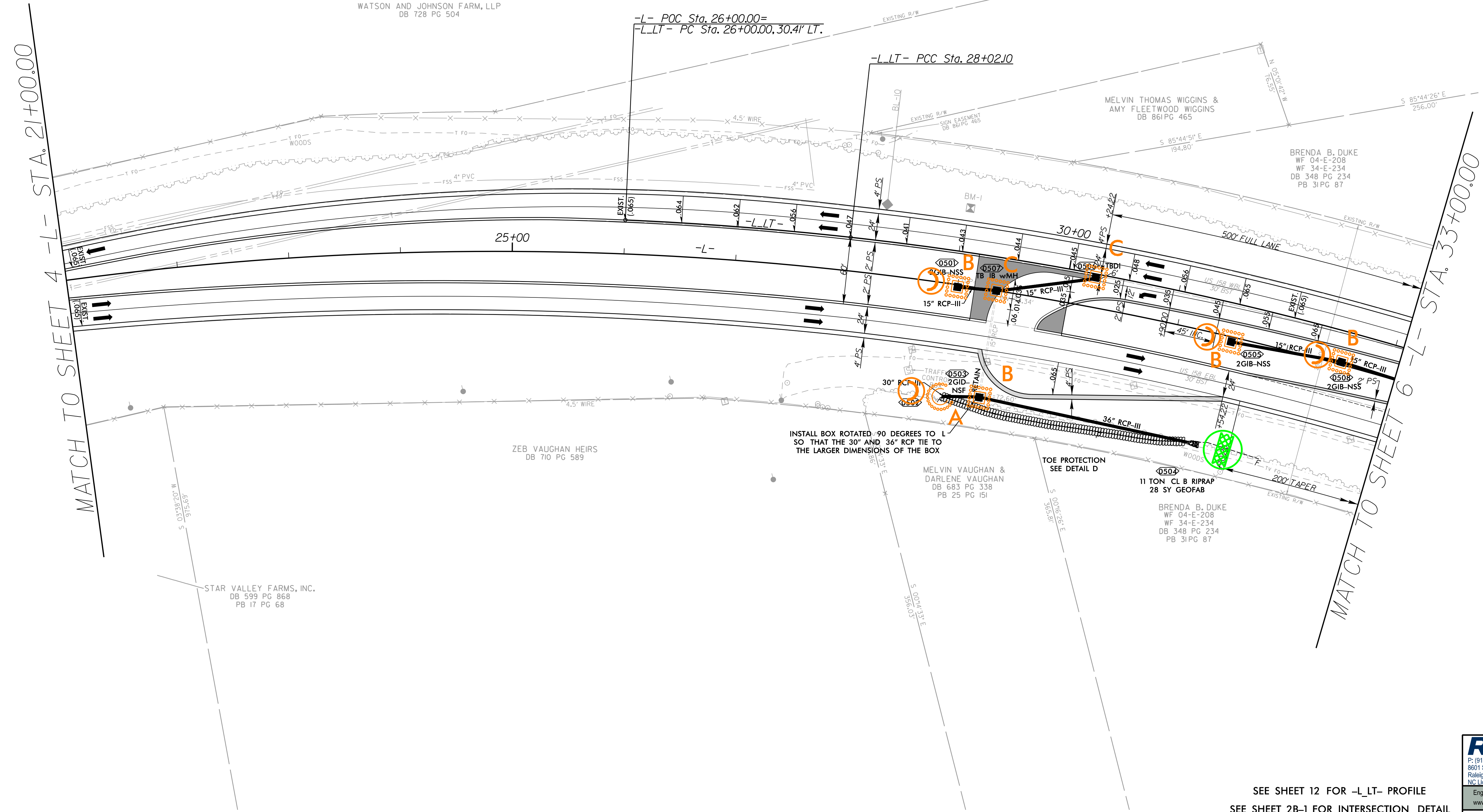
C:\Users\cra001\Documents\2022\Position Control\W5701B-Hyd-EC-psh-12.dgn
 5/14/2022 10:00 AM
 283.000'

PROJECT REFERENCE NO.	SHEET NO.
W-5701B	EC-13/CONST.05
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

-L LT-	-L LT-	-L-
PI Sta 27+01.09	PI Sta 31+24.86	PI Sta 26+66.49
$\Delta = 3' 46' 07.9''$ (RT)	$\Delta = 12' 43' 22.8''$ (RT)	$\Delta = 3' 36' 47.0''$ (RT)
D = 151' 53.3'	D = 158' 44.9'	D = 159' 59.5'
L = 202.10'	L = 642.86'	L = 1,580.77'
T = 101.09'	T = 322.76'	T = 811.07'
R = 3,072.47'	R = 2,895.00'	R = 2,865.00'
SE = EXIST.	SE = EXIST.	SE = EXIST.

NOTE: UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF TYPE C INLET PROTECTION WHERE WATER MIGHT POND ON ROADWAY USED BY PUBLIC TRAFFIC.

NAD 83/NA 2011



INSTALL BOX ROTATED 90 DEGREES TO L SO THAT THE 30\"/>

TOE PROTECTION SEE DETAIL D

11 TON CL B RIPRAP
28 SY GEOFAB

5/14/99

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SEE SHEET 12 FOR -L LT- PROFILE
SEE SHEET 2B-1 FOR INTERSECTION DETAIL

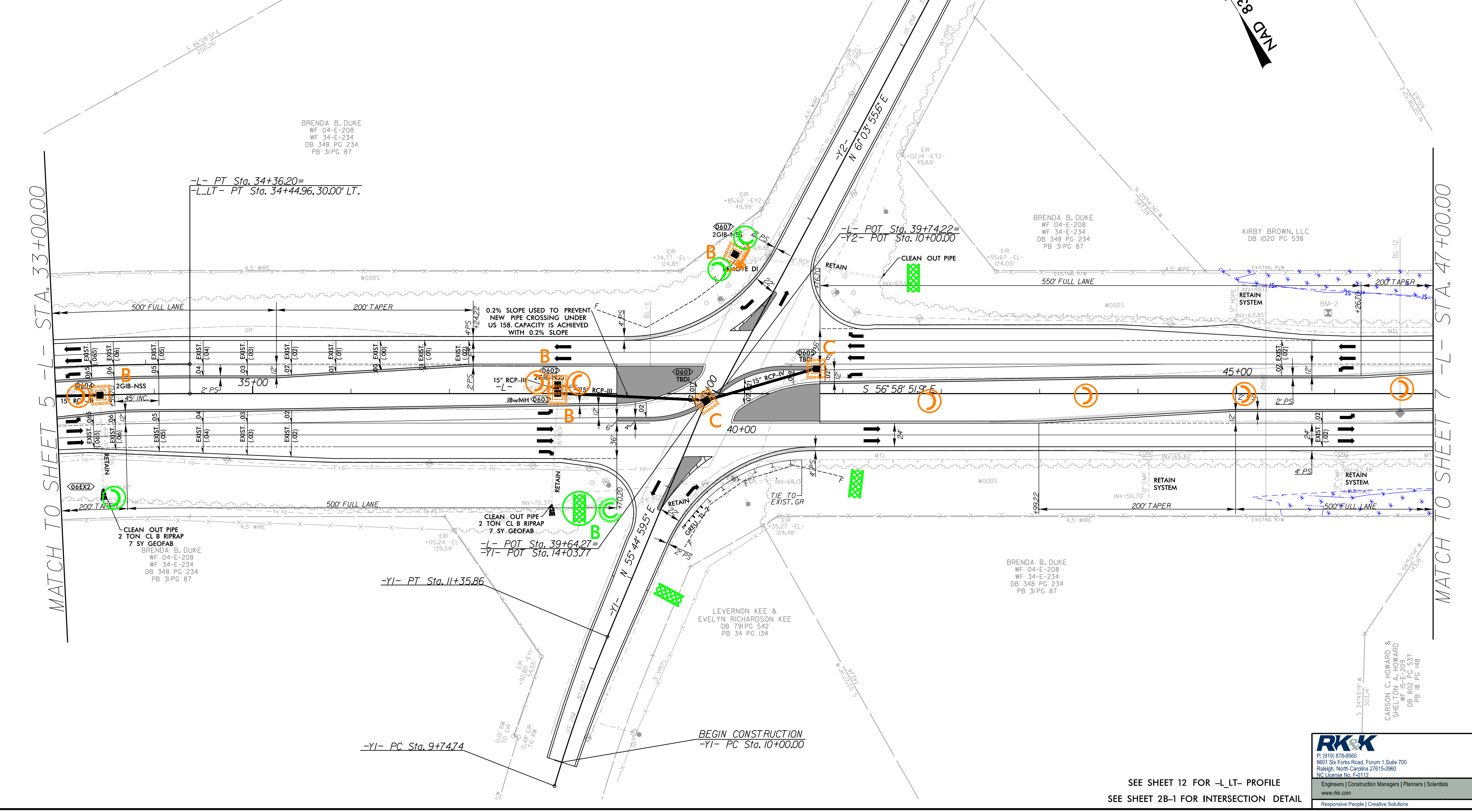
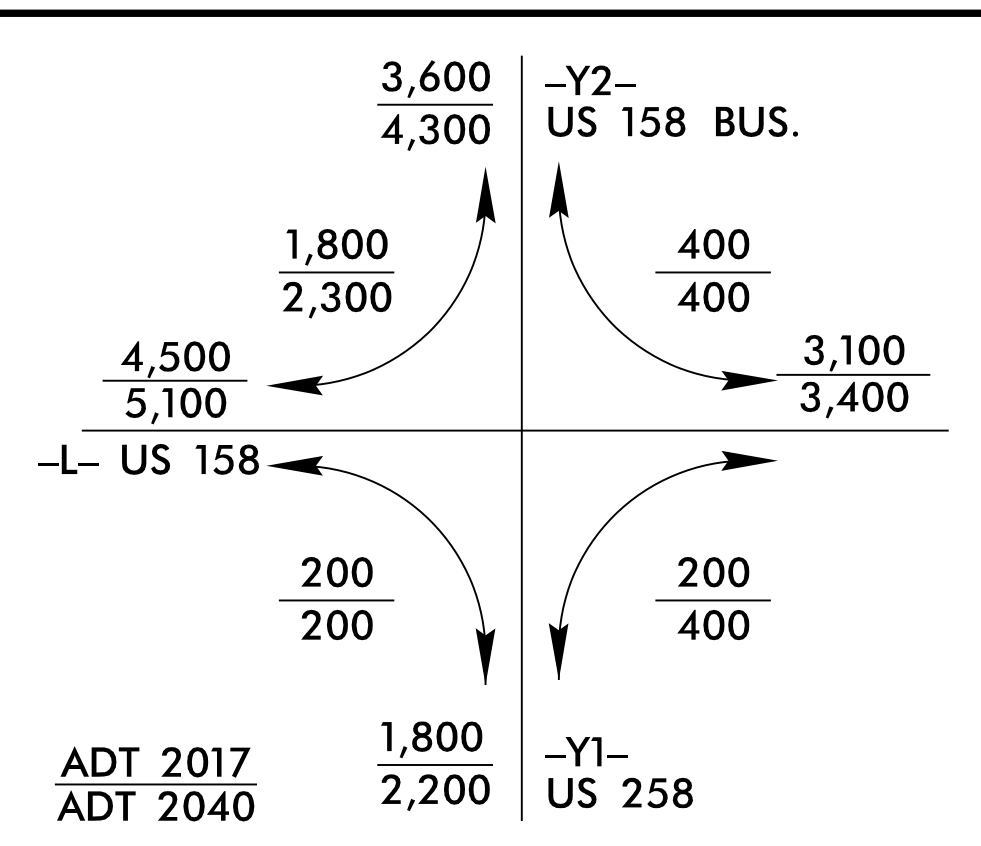
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PROJECT REFERENCE NO.	SHEET NO.
W-5701B	EC-14/CONST.06
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

-L-
 PI Sta 26+66.49
 $\Delta = 31^{\circ}36'47.0"$ (RT)
 $D = 1^{\circ}59'59.5"$
 $L = 1,580.77'$
 $T = 811.07'$
 $R = 2,865.00'$
 SE = EXIST.

-YI-
 PI Sta 10+55.38
 $\Delta = 6^{\circ}21'59.4"$ (RT)
 $D = 3^{\circ}57'05.2"$
 $L = 161.2'$
 $T = 80.64'$
 $R = 1,450.00'$
 SE = EXIST.

NOTE:
 UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF TYPE C INLET PROTECTION WHERE WATER MIGHT POND ON ROADWAY USED BY PUBLIC TRAFFIC.



MAD 83NA 2011

MATCH TO SHEET 5 -L- STA. 33+00.00

MATCH TO SHEET 7 -L- STA. 47+00.00

5/14/99
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 6/8/2022

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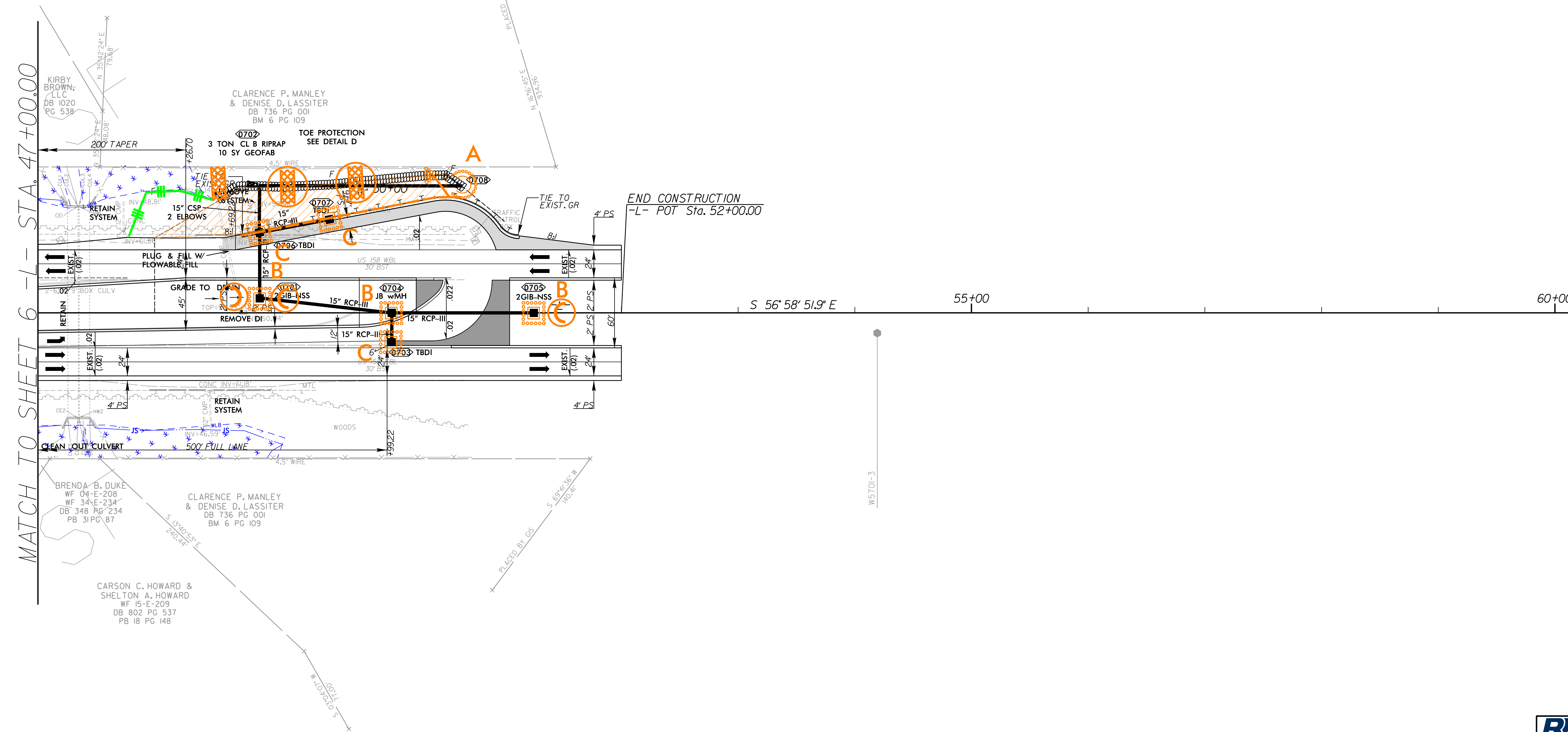
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SEE SHEET 12 FOR -L-LT- PROFILE
 SEE SHEET 2B-1 FOR INTERSECTION DETAIL

PROJECT REFERENCE NO.	SHEET NO.
W-5701B	EC-15/CONST.07
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF TYPE C INLET PROTECTION WHERE WATER MIGHT POND ON ROADWAY USED BY PUBLIC TRAFFIC.

MAD 8/31/18 C/M



MATCH TO SHEET 6 - L - STA 47+00.00

END CONSTRUCTION
-L- POT Sta. 52+00.00

S 56° 58' 51.9" E 55+00 60+00

5/14/99
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SEE SHEET 2B-2 FOR INTERSECTION DETAIL

PROJECT REFERENCE NO.	SHEET NO.
W-5701B	EC-16/CONST.08
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

-L-
 PI Sta 165+43.38
 $\Delta = 20^{\circ}53'20.9" (LT)$
 $D = 1'00'18.7"$
 $L = 2,078.13'$
 $T = 1,050.73'$
 $R = 5,700.00'$
 SE = EXIST.

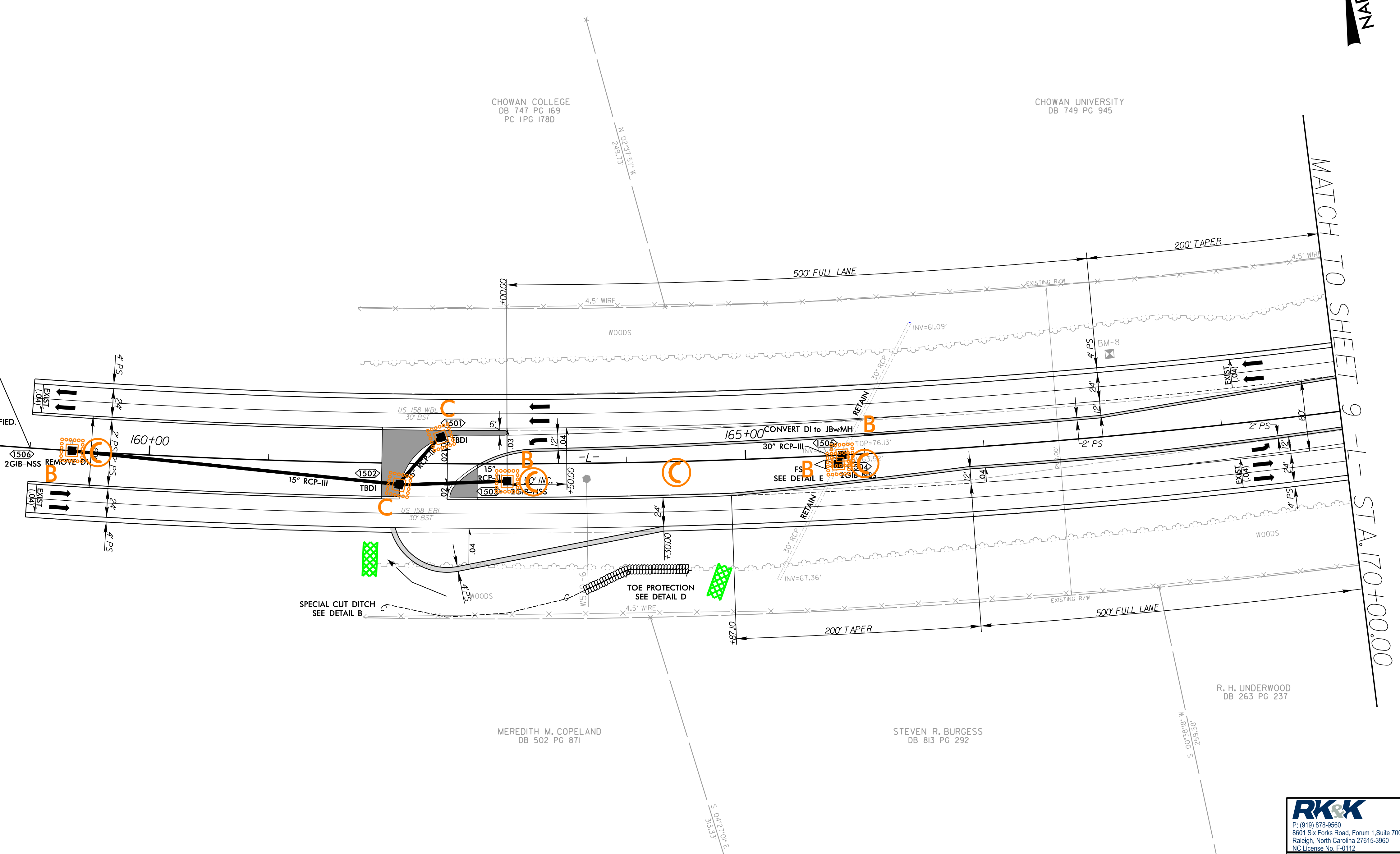
NOTE:
 UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF TYPE C INLET PROTECTION WHERE WATER MIGHT POND ON ROADWAY USED BY PUBLIC TRAFFIC.

1102
 NAD
 83
 NAD

5/14/99

BEGIN CONSTRUCTION
 -L- POC Sta. 159+00.00

EXISTING DI APPROXIMATELY LOCATED
 BASED ON AERIAL AND LIDAR. RIM AND
 INVERT ELEVATIONS WILL NEED TO BE FIELD VERIFIED.



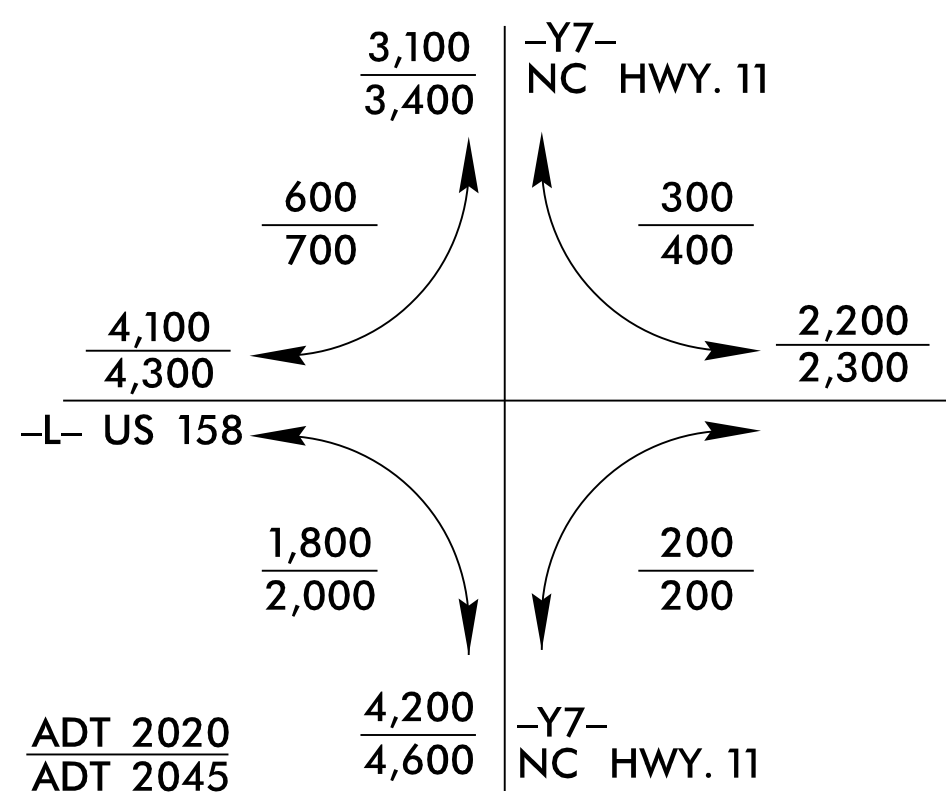
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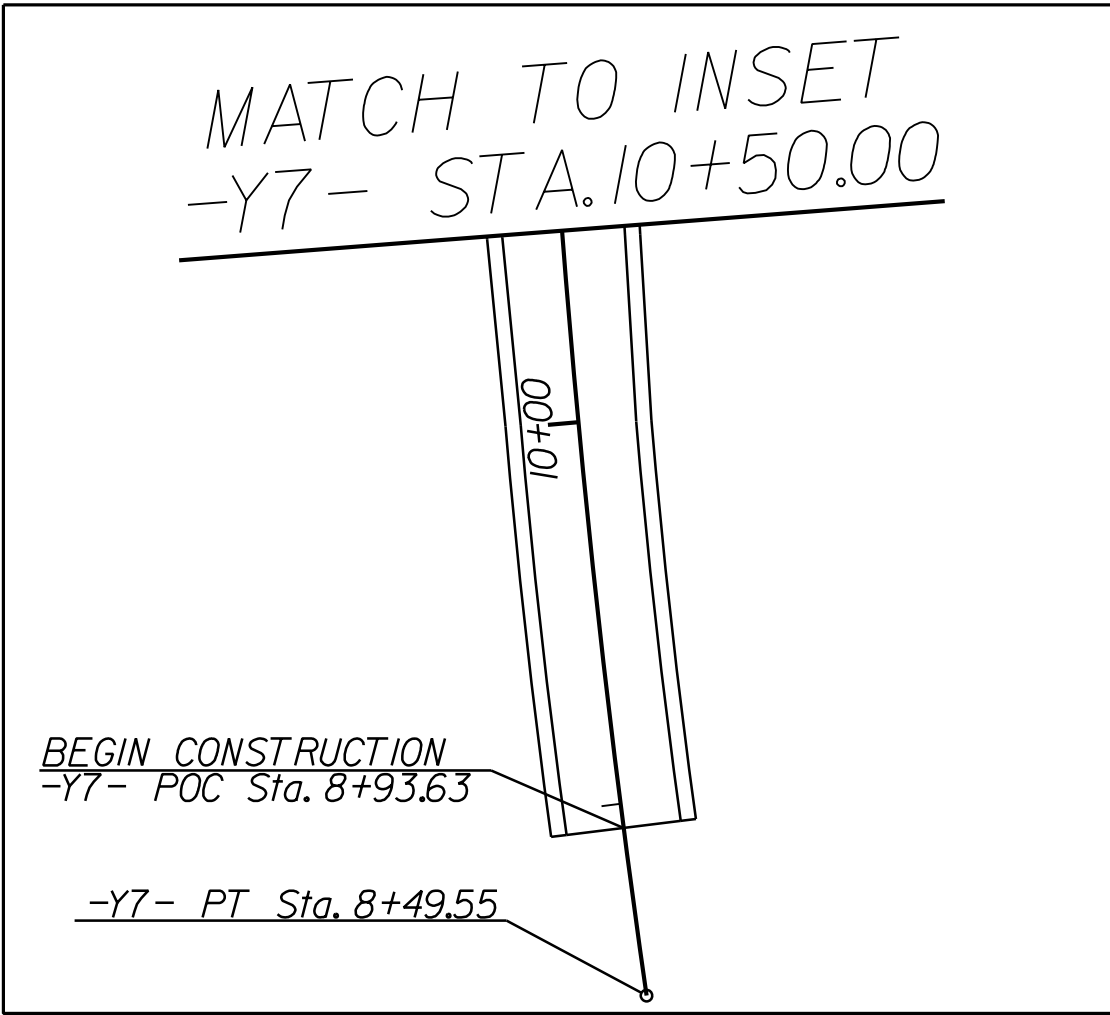
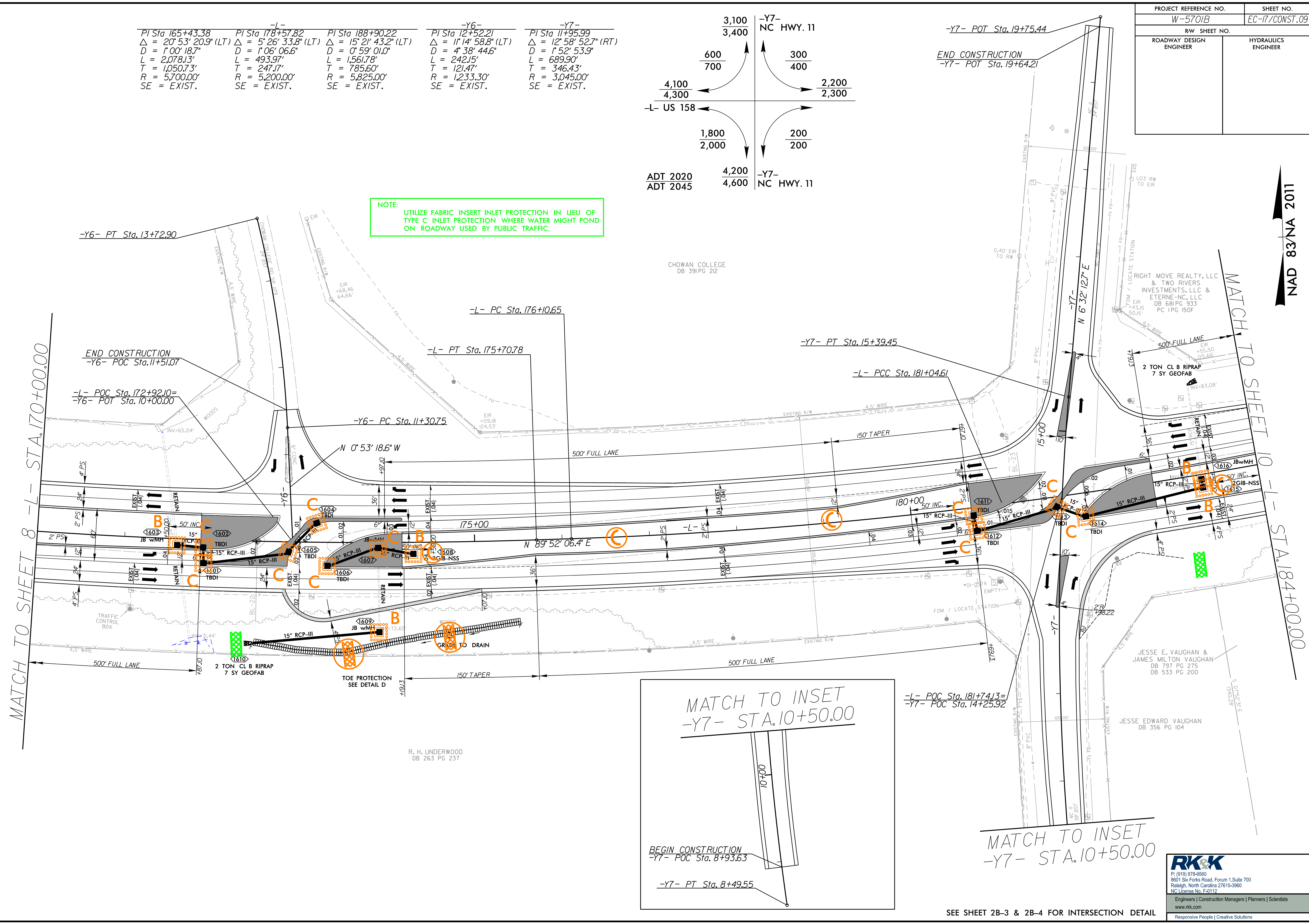
SEE SHEET 2B-3 FOR INTERSECTION DETAIL

PROJECT REFERENCE NO.	SHEET NO.
W-5701B	EC-17/CONST.09
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

-L-	-Y6-	-Y6-	-Y6-	-Y7-	-Y7-
PI Sta 165+43.38	PI Sta 178+57.82	PI Sta 188+90.22	PI Sta 12+52.21	PI Sta 11+95.99	PI Sta 11+95.99
$\Delta = 20^\circ 53' 20.9" (LT)$	$\Delta = 5^\circ 26' 33.8" (LT)$	$\Delta = 15^\circ 21' 43.2" (LT)$	$\Delta = 11^\circ 14' 58.8" (LT)$	$\Delta = 12^\circ 58' 52.7" (RT)$	$\Delta = 12^\circ 58' 52.7" (RT)$
D = 1'00' 18.7"	D = 1'06' 06.6"	D = 0'59' 01.0"	D = 4'38' 44.6"	D = 1'52' 53.9"	D = 1'52' 53.9"
L = 2,078.13'	L = 493.97'	L = 1,561.78'	L = 242.15'	L = 689.90'	L = 689.90'
T = 1,050.73'	T = 247.17'	T = 785.60'	T = 121.47'	T = 346.43'	T = 346.43'
R = 5,700.00'	R = 5,200.00'	R = 5,825.00'	R = 1,233.30'	R = 3,045.00'	R = 3,045.00'
SE = EXIST.	SE = EXIST.	SE = EXIST.	SE = EXIST.	SE = EXIST.	SE = EXIST.



NOTE: UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF TYPE C INLET PROTECTION WHERE WATER MIGHT POND ON ROADWAY USED BY PUBLIC TRAFFIC.



SEE SHEET 2B-3 & 2B-4 FOR INTERSECTION DETAIL

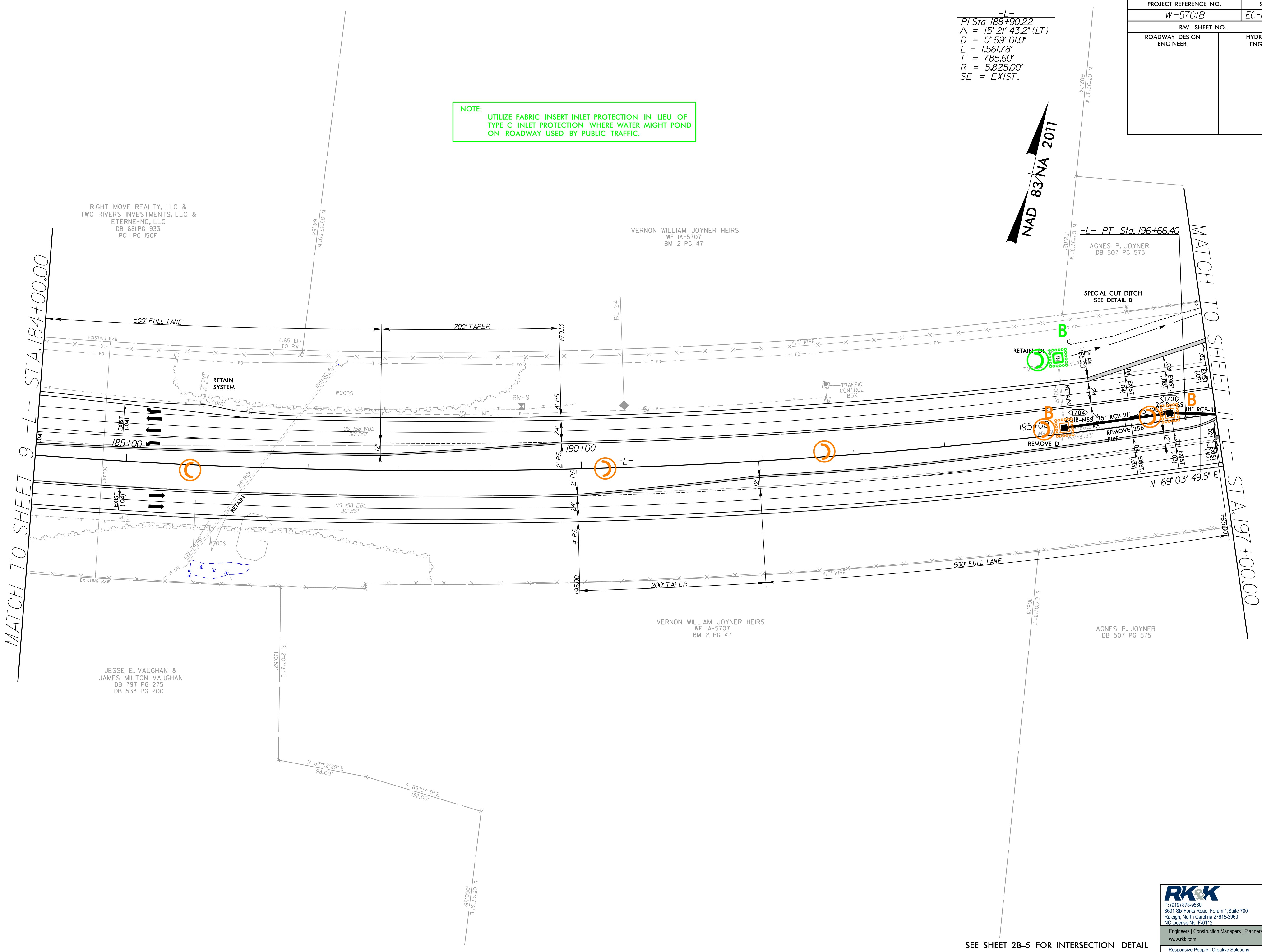
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 R. H. UNDERWOOD DB 263 PG 237

PROJECT REFERENCE NO.	SHEET NO.
W-5701B	EC-18/CONST.10
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

-L-
 PI Sta 188+90.22
 $\Delta = 15' 21' 43.2" (LT)$
 $D = 0' 59' 01.0"$
 $L = 1,561.78'$
 $T = 785.60'$
 $R = 5,825.00'$
 SE = EXIST.

NOTE: UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF TYPE C INLET PROTECTION WHERE WATER MIGHT POND ON ROADWAY USED BY PUBLIC TRAFFIC.



MATCH TO SHEET 9 -L- STA. 184+00.00

MATCH TO SHEET 10 -L- STA. 197+00.00

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RIGHT MOVE REALTY, LLC &
 TWO RIVERS INVESTMENTS, LLC &
 ETERNE-NC, LLC
 DB 681 PG 933
 PC 1 PG 150F

VERNON WILLIAM JOYNER HEIRS
 WF 1A-5707
 BM 2 PG 47

AGNES P. JOYNER
 DB 507 PG 575

JESSE E. VAUGHAN &
 JAMES MILTON VAUGHAN
 DB 797 PG 275
 DB 533 PG 200

VERNON WILLIAM JOYNER HEIRS
 WF 1A-5707
 BM 2 PG 47

AGNES P. JOYNER
 DB 507 PG 575

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SEE SHEET 2B-5 FOR INTERSECTION DETAIL

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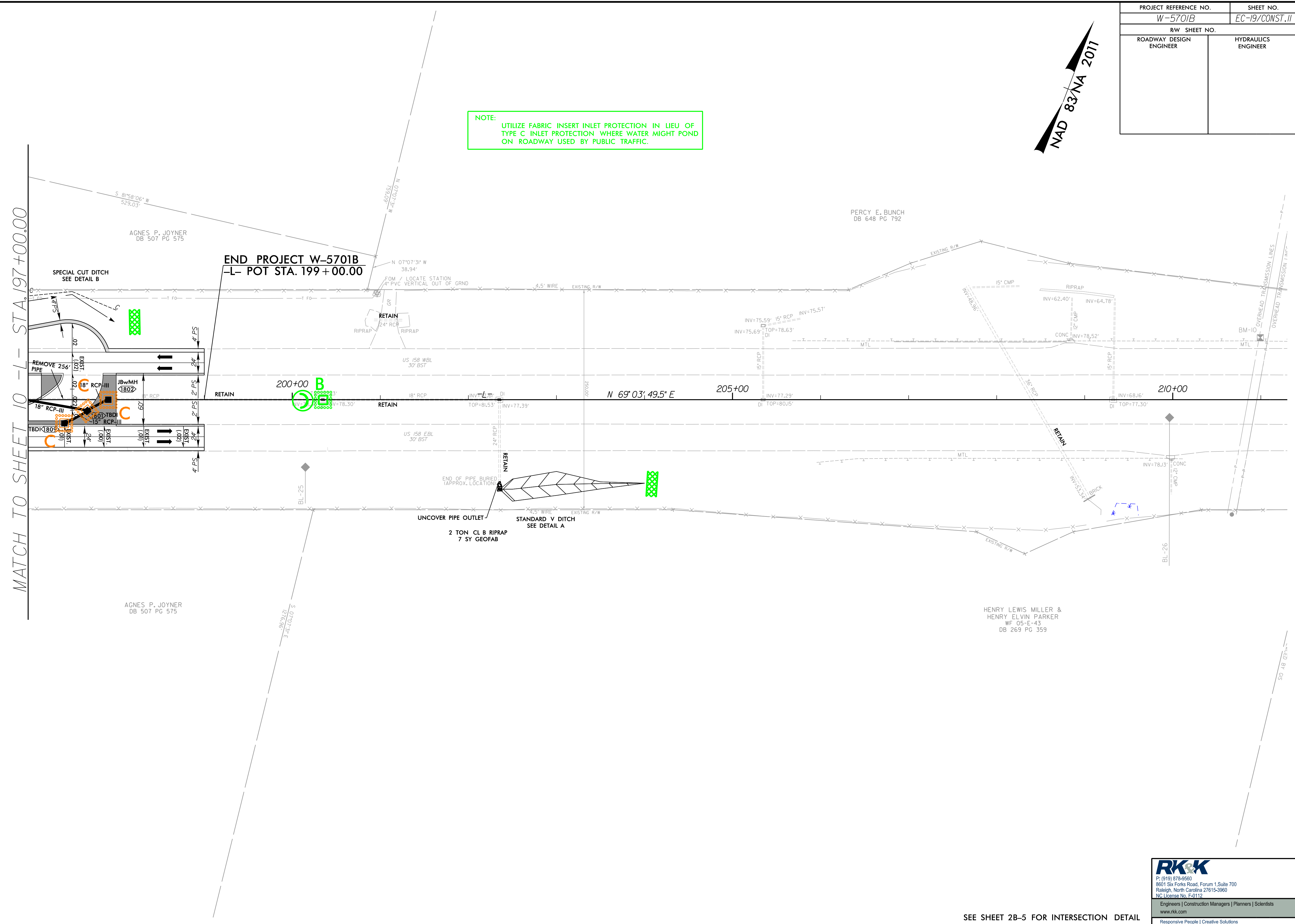
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PROJECT REFERENCE NO.	SHEET NO.
W-5701B	EC-19/CONST.11
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NA 2011

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF TYPE C INLET PROTECTION WHERE WATER MIGHT POND ON ROADWAY USED BY PUBLIC TRAFFIC.

MATCH TO SHEET 10 -L- STA.197+00.00



AGNES P. JOYNER
DB 507 PG 575

PERCY E. BUNCH
DB 648 PG 792

END PROJECT W-5701B
-L- POT STA. 199+00.00

200+00 B

205+00

210+00

N 69°03'49.5" E

AGNES P. JOYNER
DB 507 PG 575

HENRY LEWIS MILLER &
HENRY ELVIN PARKER
WF 05-E-43
DB 269 PG 359

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SEE SHEET 2B-5 FOR INTERSECTION DETAIL

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