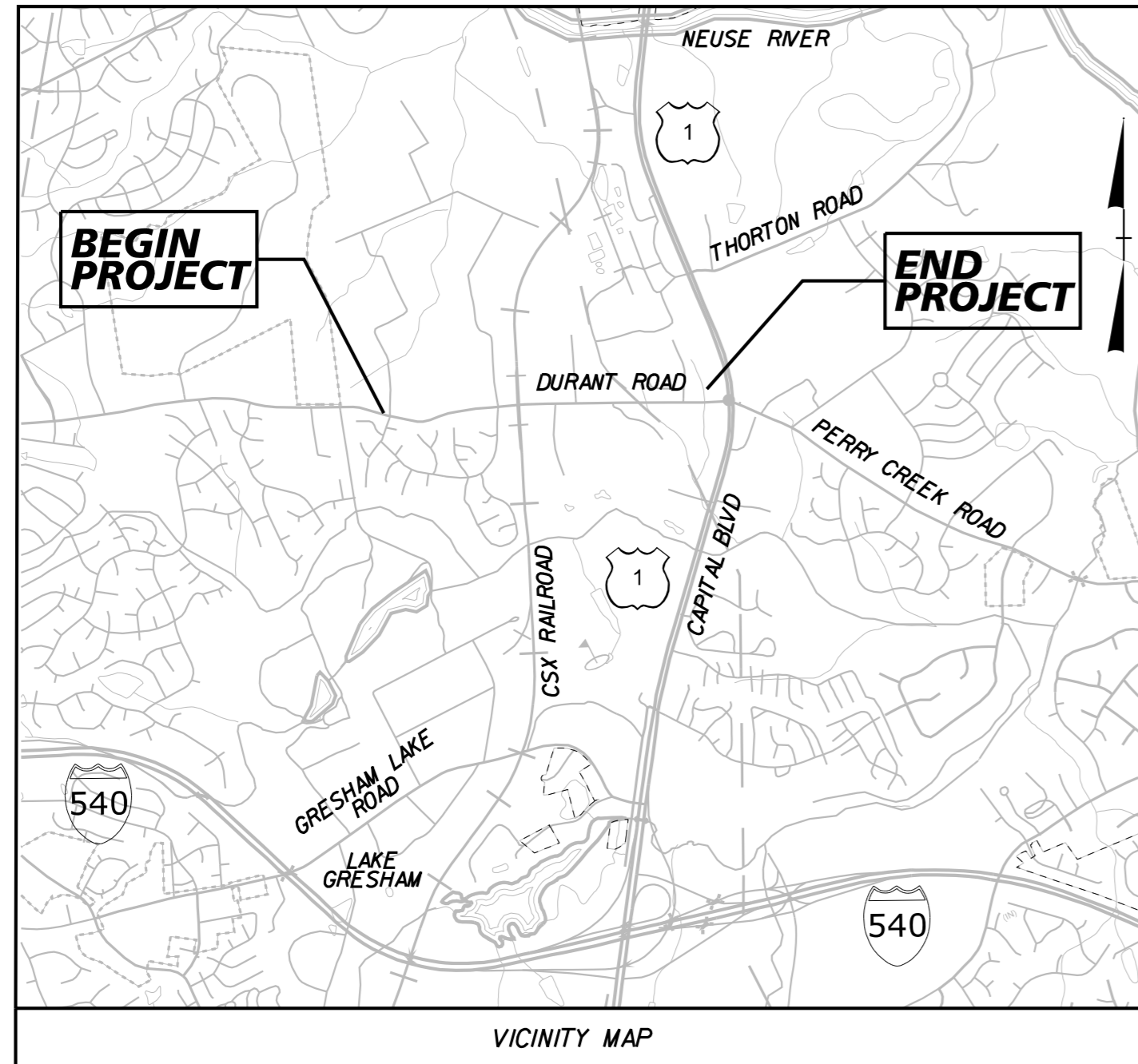


**TIP PROJECT: P-5720**

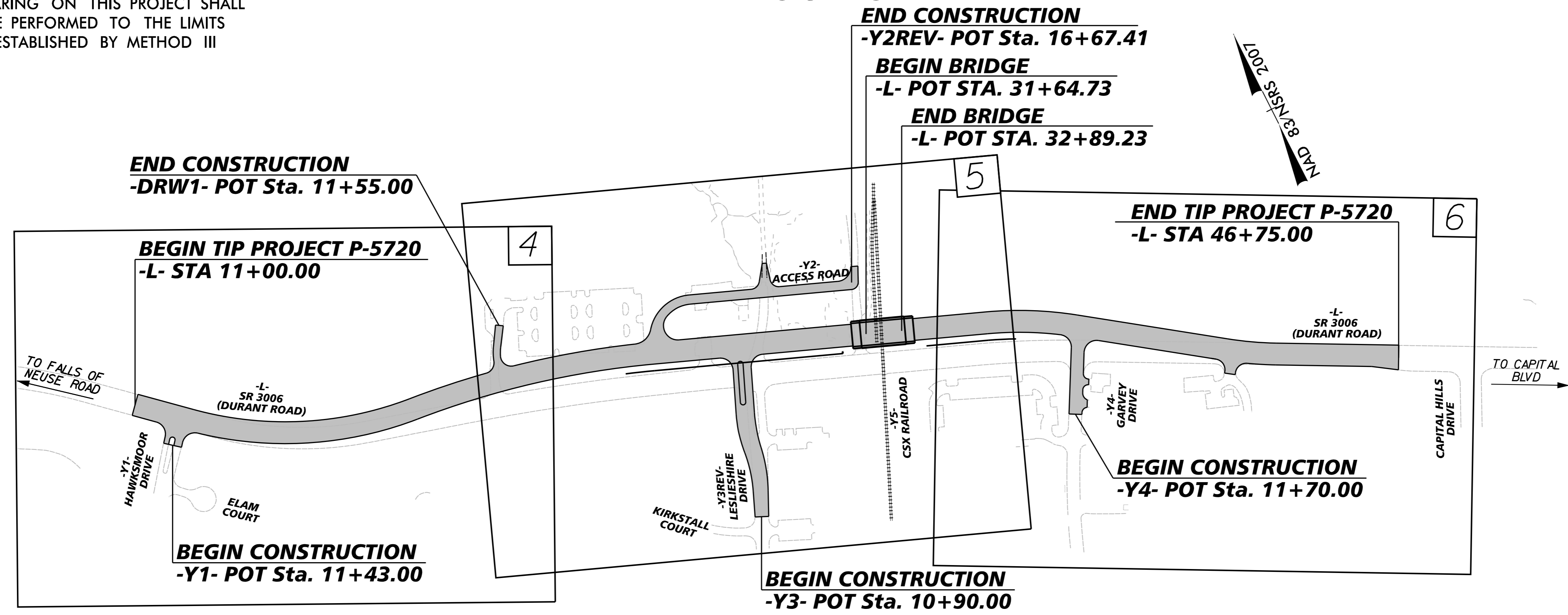


STATE OF NORTH CAROLINA  
 DIVISION OF HIGHWAYS  
 PLAN FOR PROPOSED  
 HIGHWAY EROSION CONTROL  
 WAKE COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	P-5720	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
46932.1.1		PE	

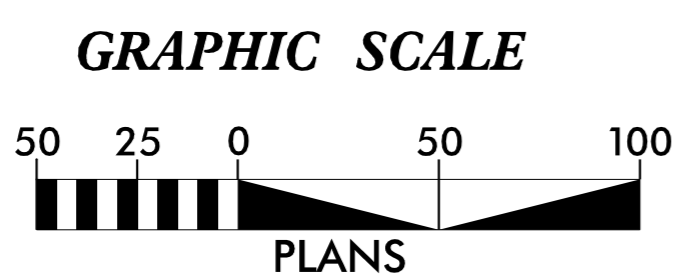
**LOCATION: PROPOSED GRADE-SEPARATION OF DURANT ROAD (SR 2006) OVER CSX S LINE RAILROAD IN RALEIGH**  
**TYPE OF WORK: GRADING, DRAINAGE, PAVING, RETAINING WALLS, STRUCTURE AND SIGNALS**

CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III



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

THIS PROJECT HAS BEEN DESIGNED TO SENSITIVE WATERSHED STANDARDS.



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.

**Kimley » Horn**

Prepared in the Office of:  
**Kimley-Horn**  
 421 Fayetteville Street, Suite 600  
 Raleigh, NC 27601

Designed by:  
**VANCE BLANTON** 3708  
 NAME LEVEL III CERTIFICATION NO.

Roadway Standard Drawings  
 The "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2024 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

# DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA

## EROSION & SEDIMENT CONTROL LEGEND

Std. #	Description	Symbol	Std. #	Description	Symbol
1605.01	Temporary Silt Fence		1633.01	Temporary Rock Silt Check Type A	
1606.01	Special Sediment Control Fence		1633.02	Temporary Rock Silt Check Type B	
1622.01	Temporary Berms and Slope Drains		1633.03	Temporary Rock Silt Check Type A with Excelsior Matting and Flocculant	
1630.02	Silt Basin Type B		1634.01	Temporary Rock Sediment Dam Type A	
1630.03	Temporary Silt Ditch		1634.02	Temporary Rock Sediment Dam Type B	
1630.04	Stilling Basin		1635.01	Rock Pipe Inlet Sediment Trap Type A	
1630.05	Temporary Diversion		1635.02	Rock Pipe Inlet Sediment Trap Type B	
1630.06	Special Stilling Basin		1636.01	Excelsior Wattle Check	
1630.07	Skimmer Basin		1636.01	Excelsior Wattle Check with Flocculant	
1630.08	Tiered Skimmer Basin		1636.01	Coir Fiber Wattle Check	
1630.09	Earthen Dam with Skimmer		1636.01	Coir Fiber Wattle Check with Flocculant	
	Infiltration Basin		1636.02	Silt Fence Excelsior Wattle Break	
	Rock Inlet Sediment Trap:			Silt Fence Coir Fiber Wattle Break	
1632.01	Type A		1636.03	Excelsior Wattle Barrier	
1632.02	Type B		1636.03	Coir Fiber Wattle Barrier	
1632.03	Type C				

REVISIONS

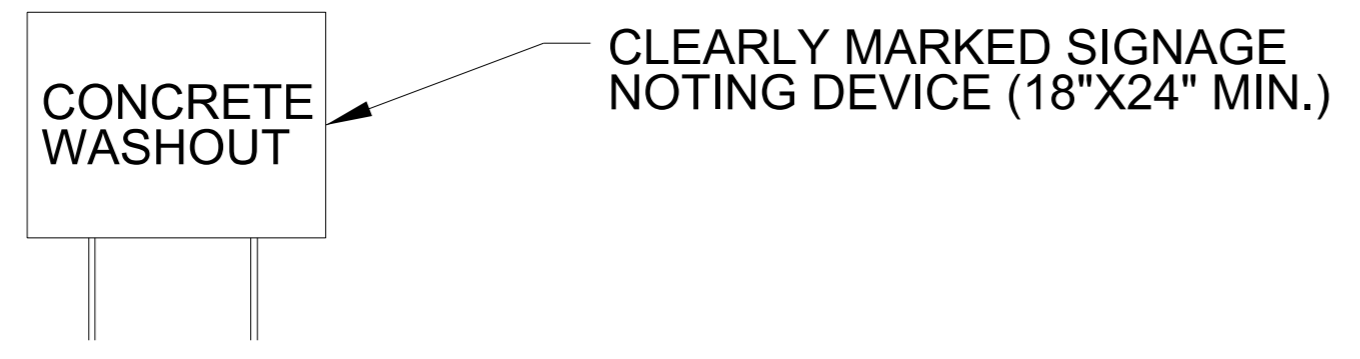
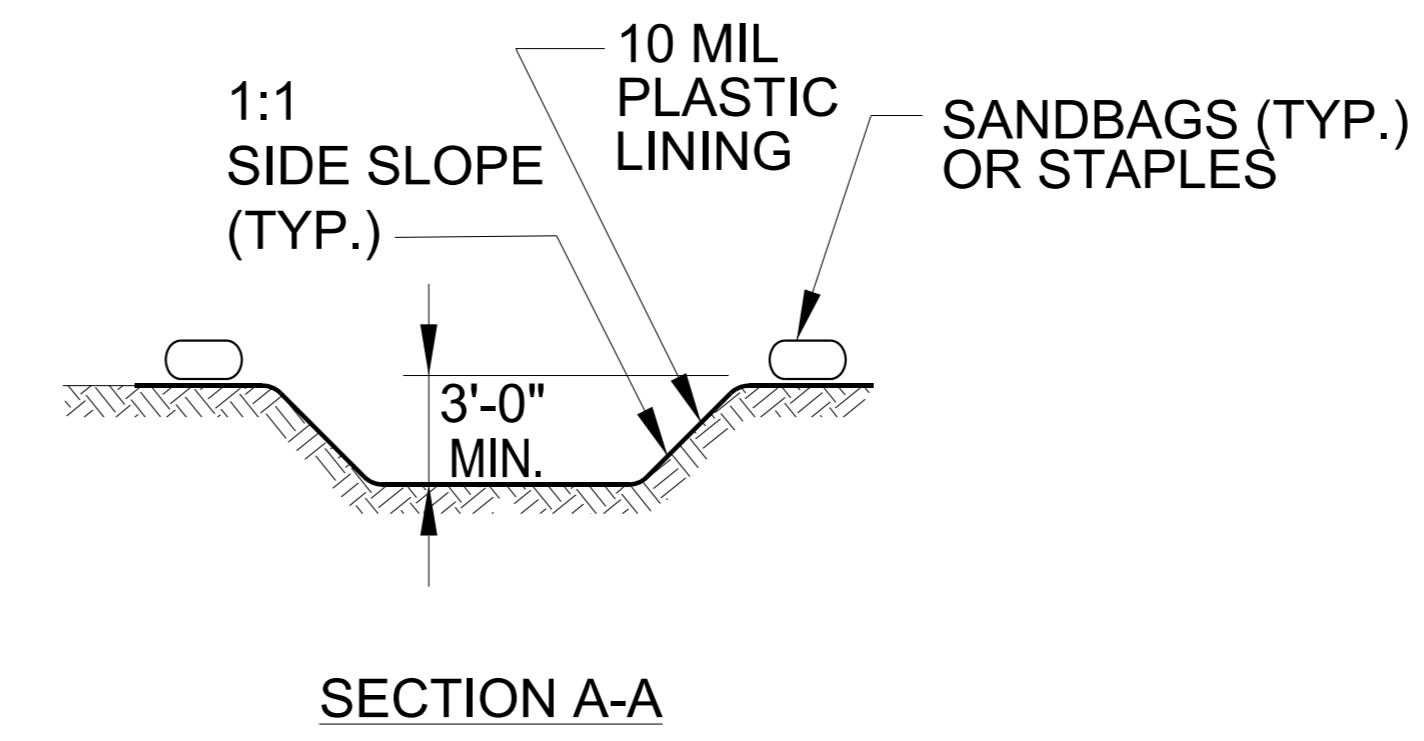
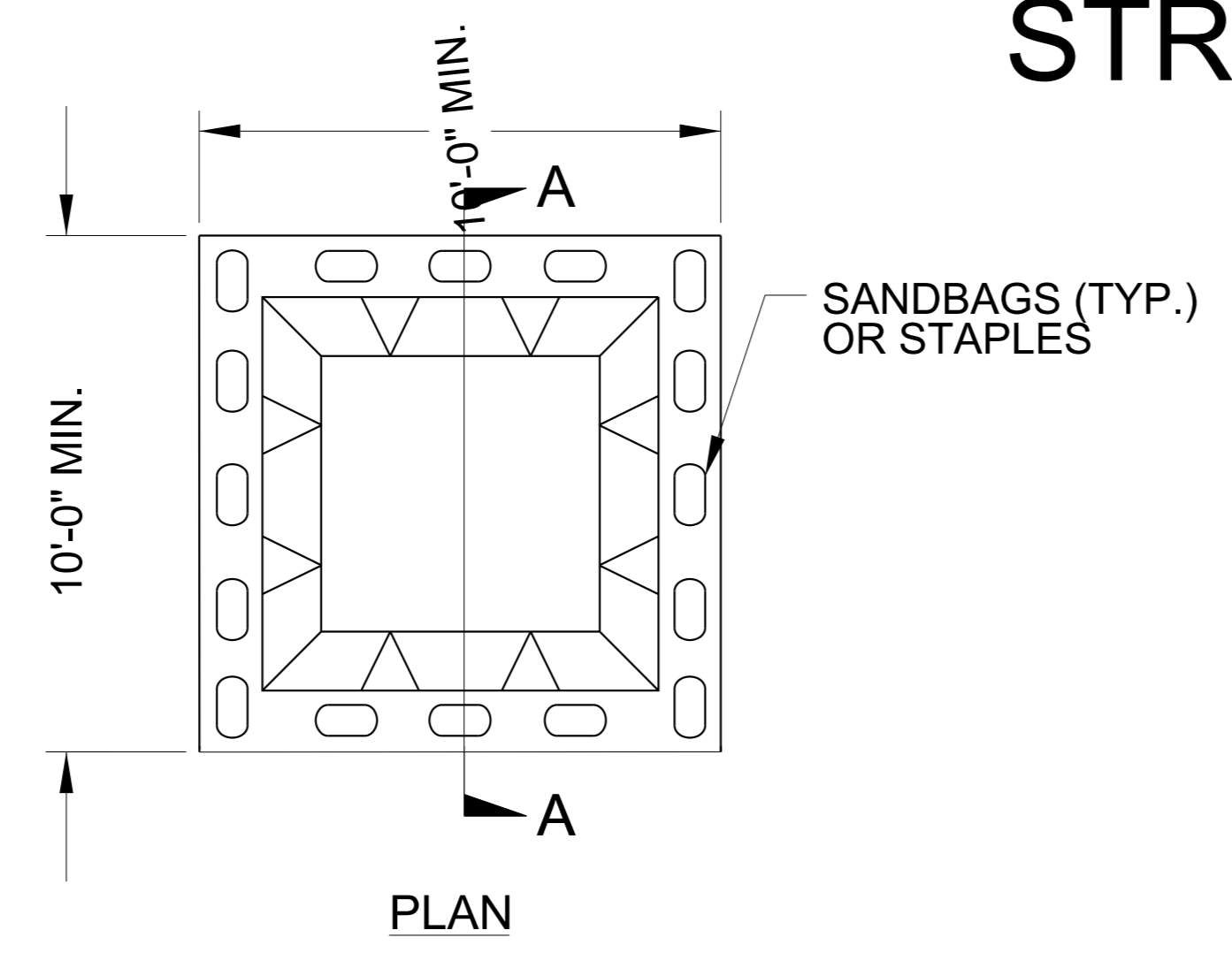
5/14/99

12/22/2023

5/14/99

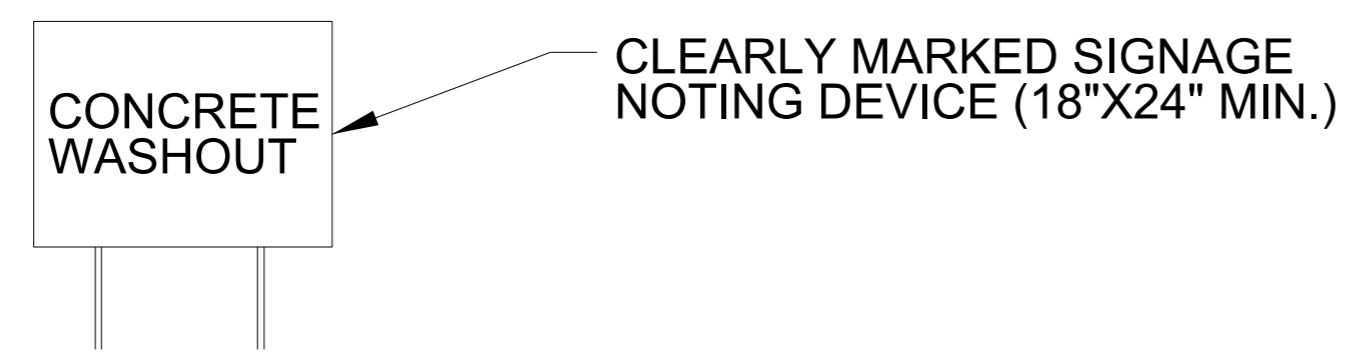
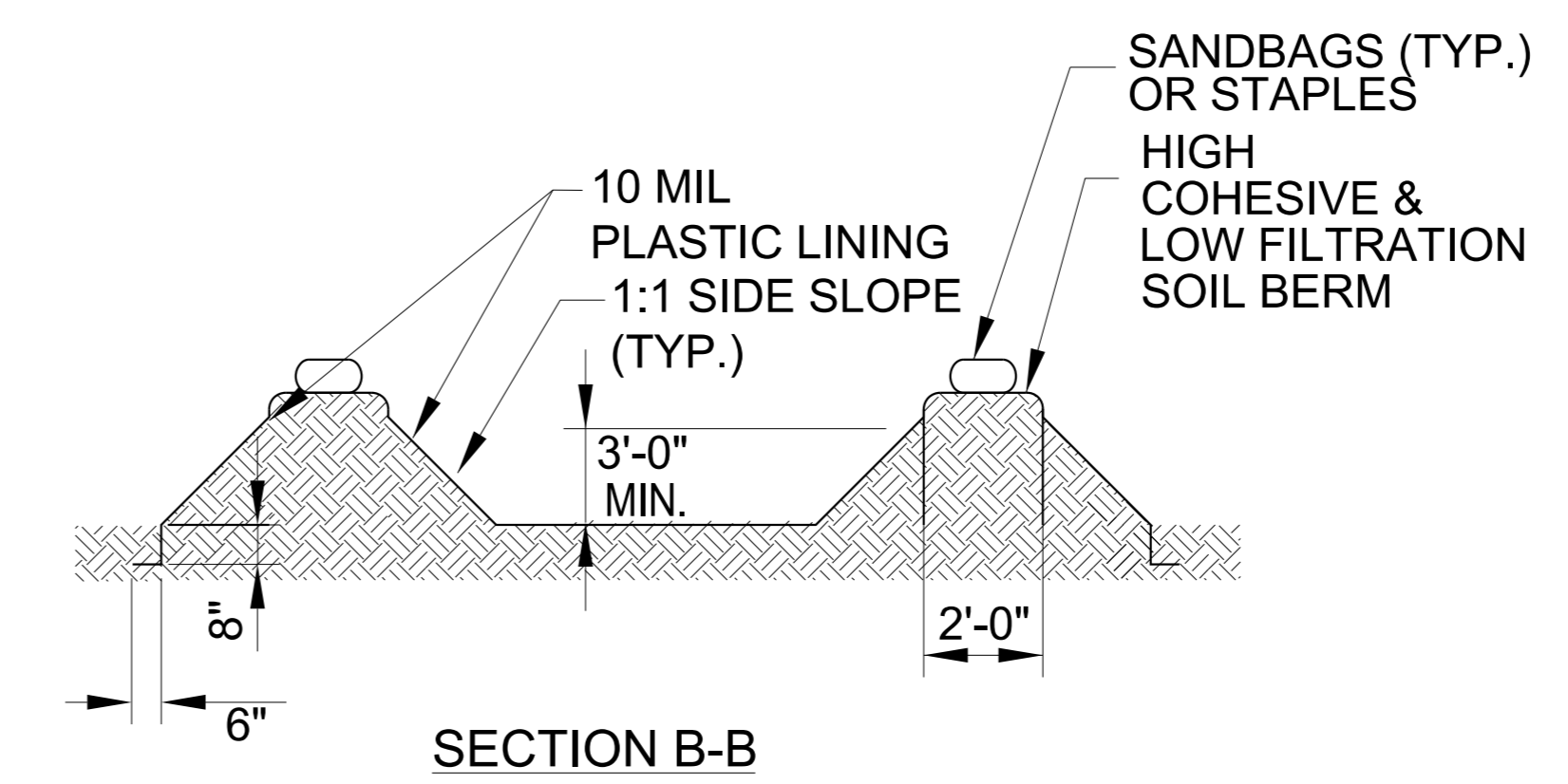
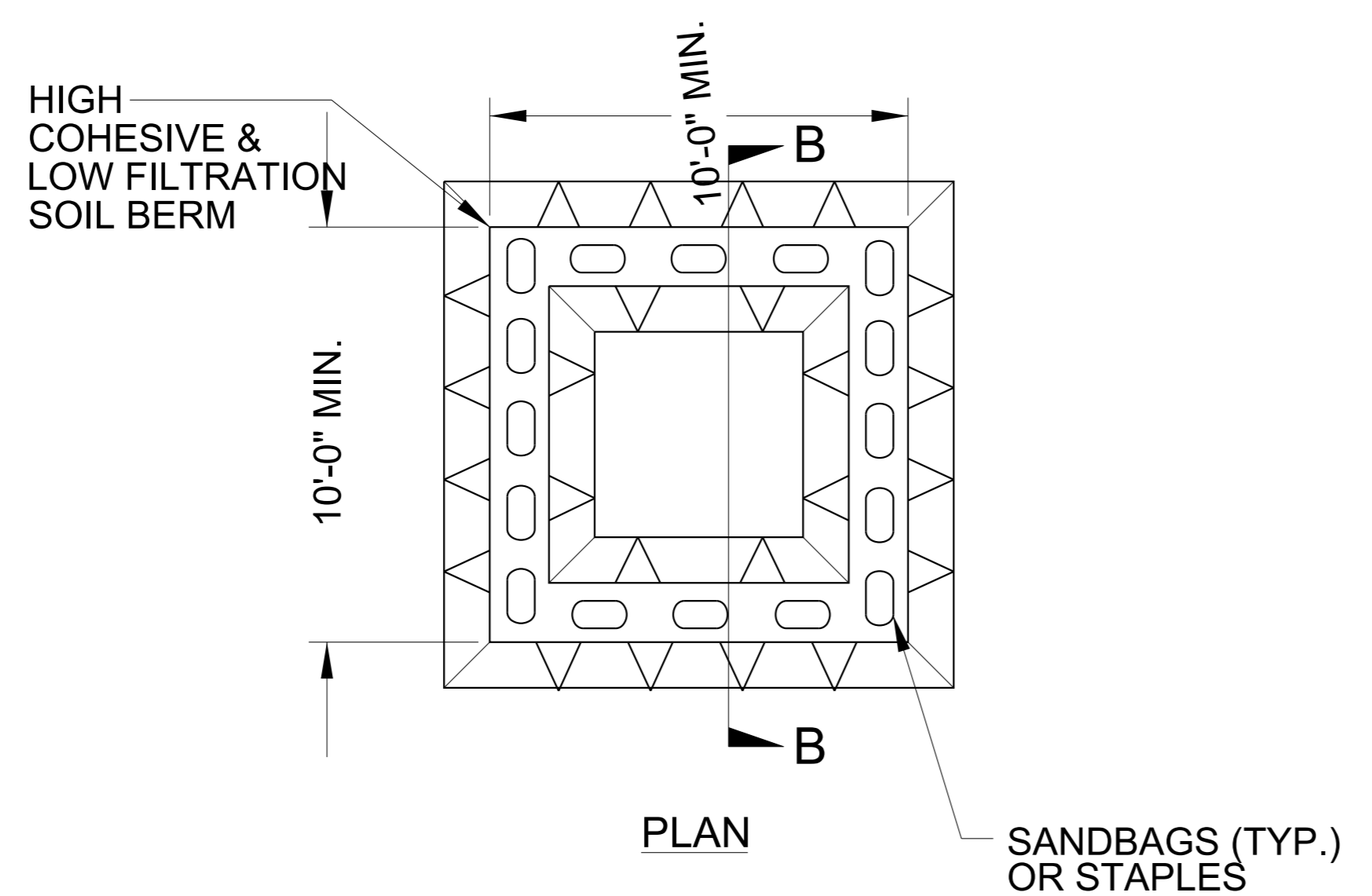
REVISIONS

# ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER



**BELOW GRADE WASHOUT STRUCTURE**  
 NOT TO SCALE

- NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD
  2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
  3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.



**ABOVE GRADE WASHOUT STRUCTURE**  
 NOT TO SCALE

- NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD
  2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
  3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.

12/22/2023

DIVISION OF HIGHWAYS  
 STATE OF NORTH CAROLINA

**SOIL STABILIZATION SUMMARY SHEET**

**MATTING FOR EROSION CONTROL**

**\* EXCELSIOR MATTING FOR EROSION CONTROL**

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
<b>SLOPES:</b>					
4	-L-	19+00	21+00	LT	560
5	-L-	26+50	31+50	LT	4170
5	-L-	25+50	28+00	RT	970
5	-Y3-	13+00	15+25	LT	960
5	-L-	29+00	31+50	RT	2310
5/6	-L-	33+00	37+50	RT	2740
5/6	-L-	33+00	37+50	LT	2940
SUBTOTAL					14650
MISCELLANEOUS MATTING TO BE INSTALLED AS DIRECTED BY THE ENGINEER					2000
TOTAL					16650
SAY					17500
<b>DITCHES:</b>					
4	-L-	18+50	19+65	RT	105
4/5	-L-	19+65	23+45	RT	475
5	-L-	23+75	27+00	RT	445
5	-Y2-	13+95	16+15	RT	235
5	-Y3-	12+00	13+00	LT	110
5	-L-	29+50	31+50	RT	210
5	-Y5-	9-50	12+16	RT	210
5	-DRW2-	11+50	12+10	RT	70
6	-L-	38+30	40+22	RT	200
6	-L-	36+00	37+40	RT	135
SUBTOTAL					2195
MISCELLANEOUS MATTING TO BE INSTALLED AS DIRECTED BY THE ENGINEER					500
TOTAL					2595
SAY					4000

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
<b>DITCHES:</b>					
4	-L-	13+14	13+95	LT	85
5	-L-	27+00	27+65	RT	105
5	-Y2-	11+45	13+00	RT	100
5	-Y3-	12+75	14+32	RT	70
5	-L-	32+75	34+50	RT	280
5/6	-L-	34+50	36+00	RT	150
6	-L-	42+50	44+00	LT	65
SUBTOTAL					855
MISCELLANEOUS MATTING TO BE INSTALLED AS DIRECTED BY THE ENGINEER					100
TOTAL					955
SAY					1000
* PAID FOR AS MATTING FOR EROSION CONTROL					
GRAND TOTAL					22500

REVISIONS

5/14/99

12/22/2023

5/14/99

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA



PROJECT REFERENCE NO.	SHEET NO.
P-5720	EC-3A
E&SC PLANS	

# SOIL STABILIZATION TIMEFRAMES

REVISIONS

<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 TO 4:1	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH WITH SLOPES STEEPER THAN 4:1. 7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES PERIMETER SLOPES, AND HQW ZONES
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES PERIMETER SLOPES, AND HQW ZONES

12/22/2023

5/14/99

-L-

PI Sta 15+89.00  
 $\Delta = 36' 14" 39.9" (LT)$   
 $D = 5' 43" 46.5"$   
 $L = 632.58'$   
 $T = 327.28'$   
 $R = 1,000.00'$   
 $SE = 0.04$

PI Sta 22+40.96  
 $\Delta = 15' 47" 19.4" (RT)$   
 $D = 2' 17" 30.6"$   
 $L = 688.91'$   
 $T = 346.65'$   
 $R = 2,500.00'$   
 $SE = 0.03$

-DRWI-

PI Sta 10+66.76  
 $\Delta = 20' 22' 45.8" (RT)$   
 $D = 38' 11' 49.9"$   
 $L = 53.35'$   
 $T = 26.96'$   
 $R = 150.00'$

UTILIZE FABRIC INSERT INLET PROTECTIONS IN LIEU OF ROCK  
 INLET SEDIMENT TRAP TYPE C WHERE WATER MAY POND ON  
 THE ROADWAY IN AREAS WHERE LIVE TRAFFIC IS PRESENT.

CLEARING AND GRUBBING  
 EROSION CONTROL FOR  
 CONSTRUCTION SHEET 4

PROJECT REFERENCE NO. P-5720		SHEET NO. EC-4/CONST. 4	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

Kimley » Horn  
 421 FAYETTEVILLE STREET, SUITE 600  
 RALEIGH, N.C. 27601

LIFEPPOINT CHRISTIAN CHURCH INC.  
 DB 14386 - PG 2347  
 BM 2013 - PG 204  
 BM 1982 - PG 677  
 BM 2000 - PG 202

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

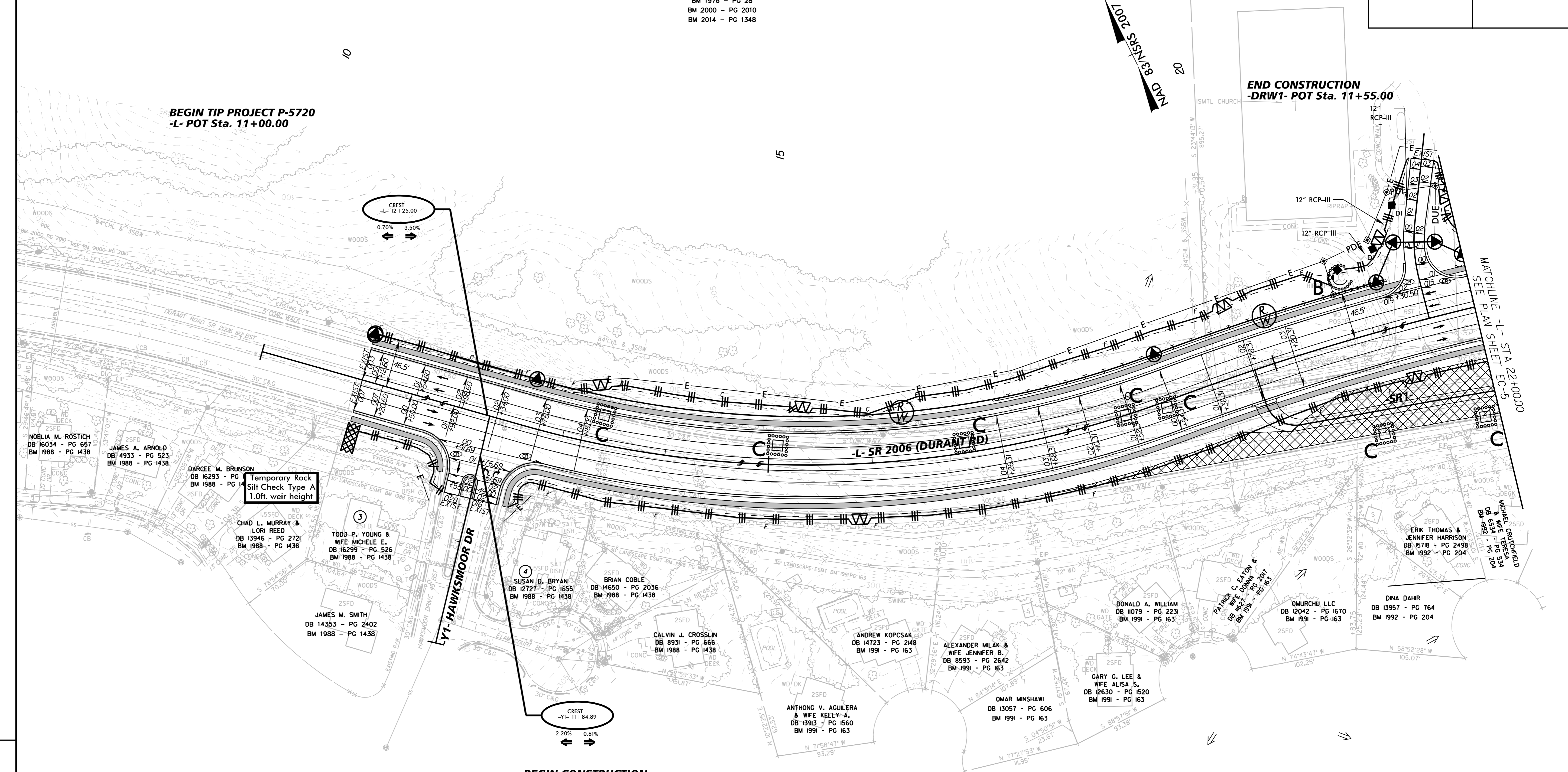
①  
 MALLINCKRODT INC.  
 DB 8529 - PG 944  
 BM 1976 - PG 28  
 BM 2000 - PG 210  
 BM 2014 - PG 1348

REVISIONS

BEGIN TIP PROJECT P-5720  
 -L- POT Sta. 11+00.00

END CONSTRUCTION  
 -DRWI- POT Sta. 11+55.00

BEGIN CONSTRUCTION  
 -Y1- POT Sta. 11+43.00



SEE SHEET NO. 7 FOR -L- PROFILE  
 SEE SHEET NO. 8 FOR -Y1- PROFILE  
 SEE SHEET NO. 10 FOR -DRWI- PROFILE

12/22/2023

PROJECT REFERENCE NO.	SHEET NO.
P-5720	EC-5/CONST.5
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

-L-	-Y2REV-	-Y2-
PI Sta 22+40.96 Δ = 15° 47' 19.4" (RT) D = 2' 17' 30.6" L = 688.91' T = 346.65' R = 2,500.00' SE = 0.03	PI Sta 11+40.00 Δ = 90° 00' 00.0" (RT) D = 53' 03' 05.9" L = 169.65' T = 108.00' R = 108.00' SE = 0.04	PI Sta 11+47.00 Δ = 90° 00' 00.0" (RT) D = 49' 49' 20.7" L = 180.64' T = 115.00' R = 115.00'

-Y3-	-Y3-
PI Sta 12+21.27 Δ = 16° 38' 57.7" (LT) D = 14' 19' 26.2" L = 116.23' T = 58.53' R = 400.00' SE = RC	PI Sta 13+31.52 Δ = 14° 58' 04.0" (RT) D = 14' 19' 26.2" L = 104.49' T = 52.55' R = 400.00' SE = RC

LIFEPOINTE CHRISTIAN CHURCH INC.  
DB 14386 - PG 2347  
BM 2013 - PG 104  
BM 2000 - PG 2013

OUTLET PROTECTION  
CLASS B RIP RAP  
EST 2 TONS  
EST 5 SY GFD

Temporary Rock  
Silt Check Type A  
2.0ft. weir height

STANDARD 4' BASE DITCH  
SEE DETAIL 14SHEET 2D-1  
EST 35 SY PSRM  
DDE = 90 CY  
SLOPE = 2.13%

Temporary Rock  
Silt Check Type A  
1.75ft. weir height

Temporary Rock  
Silt Check Type A  
3.25ft. weir height

Temporary Rock  
Silt Check Type A  
2.0ft. weir height

Temporary Rock  
Silt Check Type A  
2.0ft. weir height

Temporary Rock  
Silt Check Type A  
2.0ft. weir height

Temporary Rock  
Silt Check Type A  
2.0ft. weir height

Temporary Rock  
Silt Check Type A  
2.5ft. weir height

Temporary Rock  
Silt Check Type A  
1.0ft. weir height

UTILIZE FABRIC INSERT INLET PROTECTIONS IN LIEU OF ROCK  
INLET SEDIMENT TRAP TYPE C WHERE WATER MAY POND ON  
THE ROADWAY IN AREAS WHERE LIVE TRAFFIC IS PRESENT.

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 5

SPECGX LLC  
DB 16993 - PG 748  
BM 2018 - PG 1086

GRADE AREA UNDER  
BRIDGE TO DRAIN  
AND REMOVE GRAVEL  
BERM AND ALLOW TO  
DRAIN INTO NATURAL SWALE

PAVEMENT REMOVAL WITHIN  
RAILROAD RIGHT OF WAY BY  
OTHER MOVE

LATERAL 'V' DITCH  
W/CLASS B RIPRAP  
SEE DETAIL 2SHEET 2D-1  
EST 85 TONS  
EST 185 SY GFD

STANDARD 'V' DITCH  
W/CLASS B RIPRAP  
SEE DETAIL 3SHEET 2D-1  
EST 130 TONS  
EST 290 SY GFD

BYNUM PROPERTIES LLC  
DB 15998 - PG 1633  
BM 1985 - PG 1097

WINDSOR FOREST  
HOME OWNERS  
ASSOCIATION INC.  
DB 8515 - PG 2748  
BM 1999 - PG 524  
BM 2000 - PG 2014

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

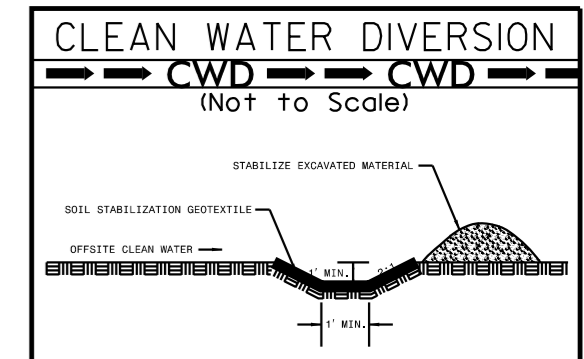
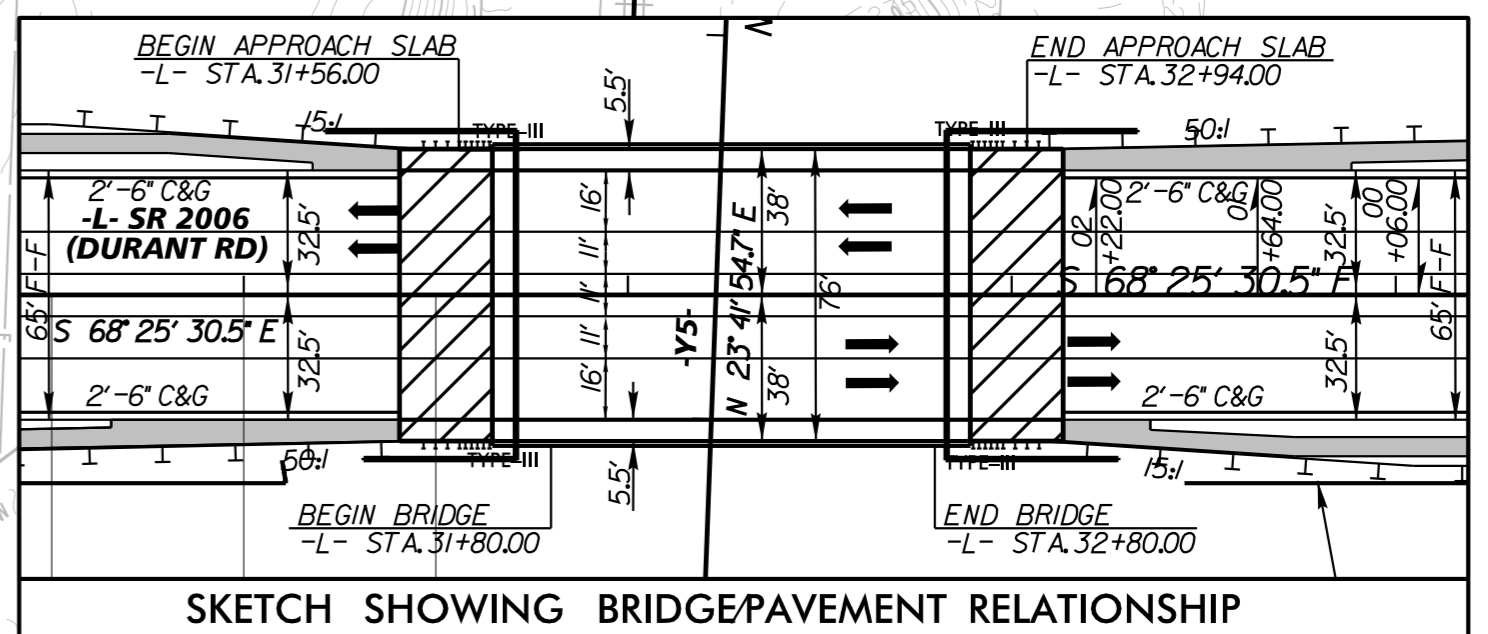
101 THOMAS DUDLEY & WIFE SARAH L. DB 15658 - PG 2601 BM 1992 - PG 1035 BM 2000 - PG 2013	107 LOUISE G. OVERTON DB 13231 - PG 1414 BM 1999 - PG 524	113 NADER A. WAKIM DB 8288 - PG 1946 BM 1999 - PG 524
102 DURANT TRAILS DB 6231 - PG 124 BM 1999 - PG 524	108 SARAH M. FLEMING DB 8317 - PG 2440 BM 1999 - PG 524	114 JOHN BOWERS DB 16023 - PG 1414 BM 1999 - PG 524
103 DAVID W. MILLER DB 16374 - PG 1096 BM 1999 - PG 524	109 CAITLYN R. DEBONA DB 16047 - PG 163 BM 1999 - PG 524	115 BRENDA G. AUSTIN DB 14144 - PG 1452 BM 1999 - PG 524
104 DANIELLE R. TRICARIO DB 16635 - PG 789 BM 1999 - PG 524	110 HENRY ZIMMERMAN & WIFE PATRICIA DB 12583 - PG 2639 BM 1999 - PG 524	116 MAX DRUMMOND DB 15083 - PG 333 BM 1999 - PG 524
105 GARY S. FLOHR DB 8477 - PG 110 BM 1999 - PG 524	111 BONNIE B. WALKER DB 12706 - PG 2602 BM 1999 - PG 524	117 JAMES B. KRITZER DB 13158 - PG 227 BM 1999 - PG 524
106 GLORIA H. TARKENTON & REBEKAH E. DB 8477 - PG 110 BM 1999 - PG 524	112 LORI A. DUPAW DB 15000 - PG 210 BM 1999 - PG 524	118 STACY L. KESSLER DB 12026 - PG 775 BM 1999 - PG 524

CHESTER WEST & WIFE PHYLLIS W.  
DB 8190 EXP 925 RCP  
BM 1998 - PG 1038  
CONSTRUCTION & CONVERT TO BLIND JB FOR FINAL

TEMP CB TO DIVERT SHAWN SHERKING & WIFE JENNIFER CONSTRUCTION  
DB 12404 - PG 1350  
BM 1992 - PG 1035  
BM 2000 - PG 2013

OUTLET PROTECTION  
CLASS I RIP RAP  
EST 4 TONS  
EST 10 SY GFD

BEGIN CONSTRUCTION  
-Y3- POT Sta. 10+90.00



SEE SHEET NO. 7 FOR -L- PROFILE  
SEE SHEET NO. 9 FOR -Y2- PROFILE  
SEE SHEET NO. 9 FOR -Y3- PROFILE

REVISIONS

5/14/1999

12/22/2023

MATCHLINE -L- STA. 35+00.00  
SEE PLAN SHEET EC-6

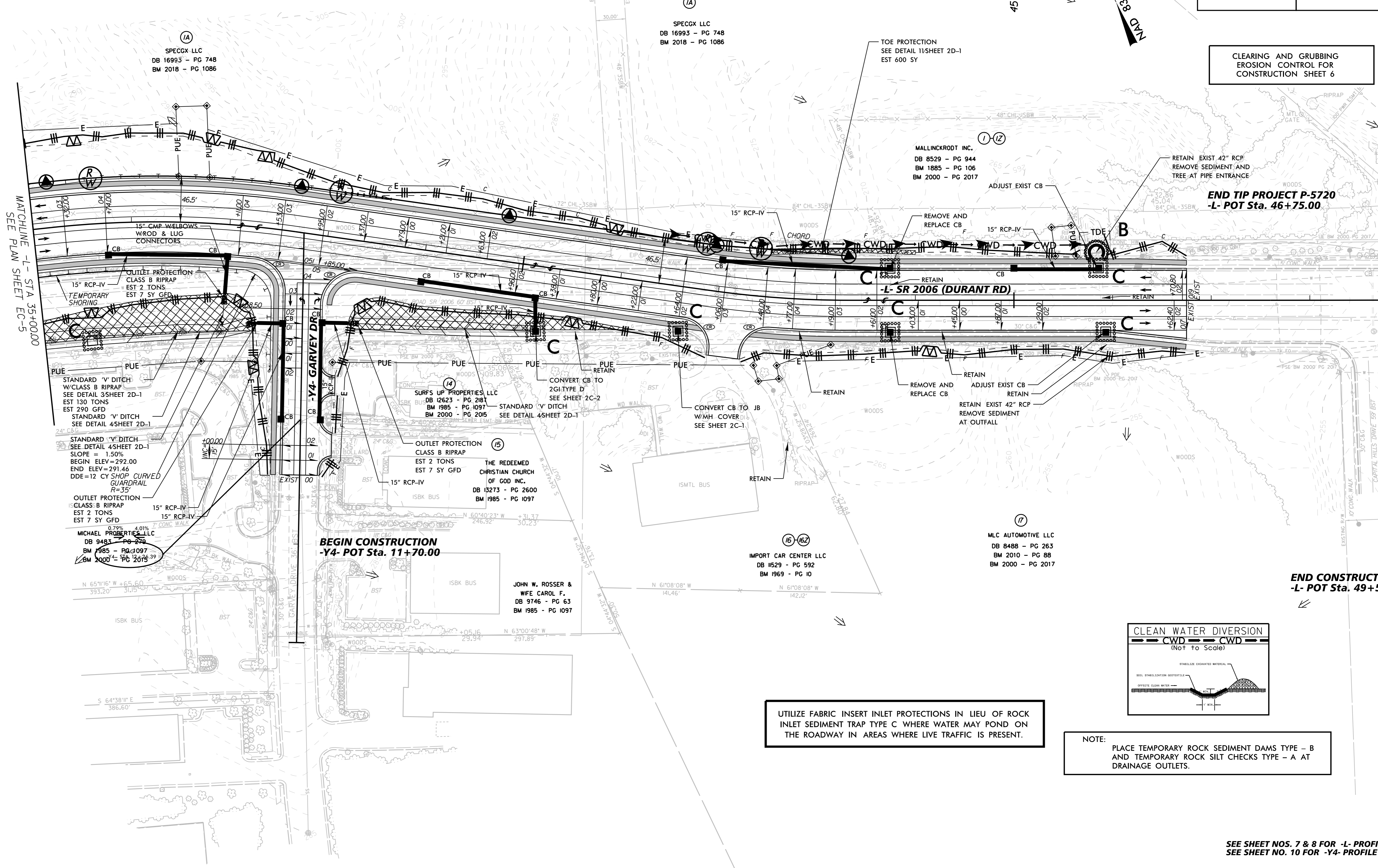
PROJECT REFERENCE NO.	SHEET NO.
P-5720	EC-6/CONST.6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

<p>PI Sta 36+43.09  <math>\Delta = 14' 13" 25.9" (RT)</math>  <math>D = 5' 43" 46.5"</math>  <math>L = 248.25'</math>  <math>T = 124.77'</math>  <math>R = 1,000.00'</math>  <math>SE = 0.04</math></p>	<p>PI Sta 42+62.30  <math>\Delta = 8' 04" 23.2" (LT)</math>  <math>D = 5' 43" 46.5"</math>  <math>L = 140.90'</math>  <math>T = 70.57'</math>  <math>R = 1,000.00'</math>  <math>SE = 0.04</math></p>	<p>PI Sta 48+16.79  <math>\Delta = 0' 08" 53.8" (LT)</math>  <math>D = 0' 07" 51.5"</math>  <math>L = 113.23'</math>  <math>T = 56.62'</math>  <math>R = 43,751.02'</math></p>	<p>PI Sta 49+50.00  <math>\Delta = 0' 05" 37.4"</math>  <math>D = 5.96'</math>  <math>T = 2.98'</math>  <math>R = 40,336.05'</math></p>
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35

40

45



MATCHLINE -L- STA 35+00.00  
SEE PLAN SHEET EC-5

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 6

END TIP PROJECT P-5720  
-L- POT Sta. 46+75.00

END CONSTRUCTION  
-L- POT Sta. 49+50.00

STANDARD 'V' DITCH  
W/CLASS B RIPRAP  
SEE DETAIL 3/SHEET 2D-1  
EST 130 TONS  
EST 290 GFD

STANDARD 'V' DITCH  
SEE DETAIL 4/SHEET 2D-1  
SLOPE = 1.50%  
BEGIN ELEV = 292.00  
END ELEV = 291.46  
DDE = 12 CY SHOP CURVED  
GUARDRAIL  
R=35'

OUTLET PROTECTION  
CLASS B RIPRAP  
EST 2 TONS  
EST 7 SY GFD

MICHAEL PROPERTIES LLC  
DB 9483 - PG 270  
BM 1985 - PG 1097  
BM 2000 - PG 2016

BEGIN CONSTRUCTION  
-Y4- POT Sta. 11+70.00

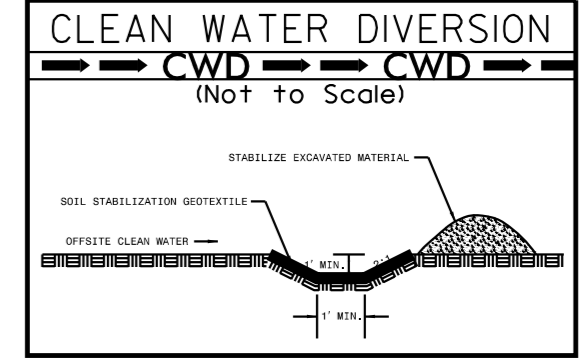
THE REDEEMED  
CHRISTIAN CHURCH  
OF GOD INC.  
DB 13273 - PG 2600  
BM 1985 - PG 1097

JOHN W. ROSSER &  
WIFE CAROL F.  
DB 9746 - PG 63  
BM 1985 - PG 1097

IMPORT CAR CENTER LLC  
DB 19529 - PG 592  
BM 1969 - PG 10

MLC AUTOMOTIVE LLC  
DB 8488 - PG 263  
BM 2010 - PG 88  
BM 2000 - PG 2017

UTILIZE FABRIC INSERT INLET PROTECTIONS IN LIEU OF ROCK  
INLET SEDIMENT TRAP TYPE C WHERE WATER MAY POND ON  
THE ROADWAY IN AREAS WHERE LIVE TRAFFIC IS PRESENT.



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

SEE SHEET NOS. 7 & 8 FOR -L- PROFILE  
SEE SHEET NO. 10 FOR -Y4- PROFILE

REVISIONS

5/14/1999

12/22/2023



5/14/99

12/22/2023

**-L-**

PI Sta 15+89.00  
 $\Delta = 36' 14" 39.9" (LT)$   
 $D = 5' 43" 46.5"$   
 $L = 632.58'$   
 $T = 327.28'$   
 $R = 1,000.00'$   
 $SE = 0.04$

PI Sta 22+40.96  
 $\Delta = 15' 47" 19.4" (RT)$   
 $D = 2' 17" 30.6"$   
 $L = 688.91'$   
 $T = 346.65'$   
 $R = 2,500.00'$   
 $SE = 0.03$

**-DRW1-**

PI Sta 10+66.76  
 $\Delta = 20' 22" 45.8" (RT)$   
 $D = 38' 11" 49.9"$   
 $L = 53.35'$   
 $T = 26.96'$   
 $R = 150.00'$

UTILIZE FABRIC INSERT INLET PROTECTIONS IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C WHERE WATER MAY POND ON THE ROADWAY IN AREAS WHERE LIVE TRAFFIC IS PRESENT.

FINAL EROSION CONTROL FOR CONSTRUCTION SHEET 4

**Kimley»Horn**  
 421 FAYETTEVILLE STREET, SUITE 600  
 RALEIGH, N.C. 27601

PROJECT REFERENCE NO. <i>P-5720</i>	SHEET NO. <i>EC-7/CONST. 4</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

①  
 MALLINCKRODT INC.  
 DB 8529 - PG 944  
 BM 1976 - PG 28  
 BM 2000 - PG 2010  
 BM 2014 - PG 1348

②  
 LIFEPOINT CHRISTIAN CHURCH INC.  
 DB 14386 - PG 2347  
 BM 2013 - PG 204  
 BM 1982 - PG 677  
 BM 2000 - PG 202

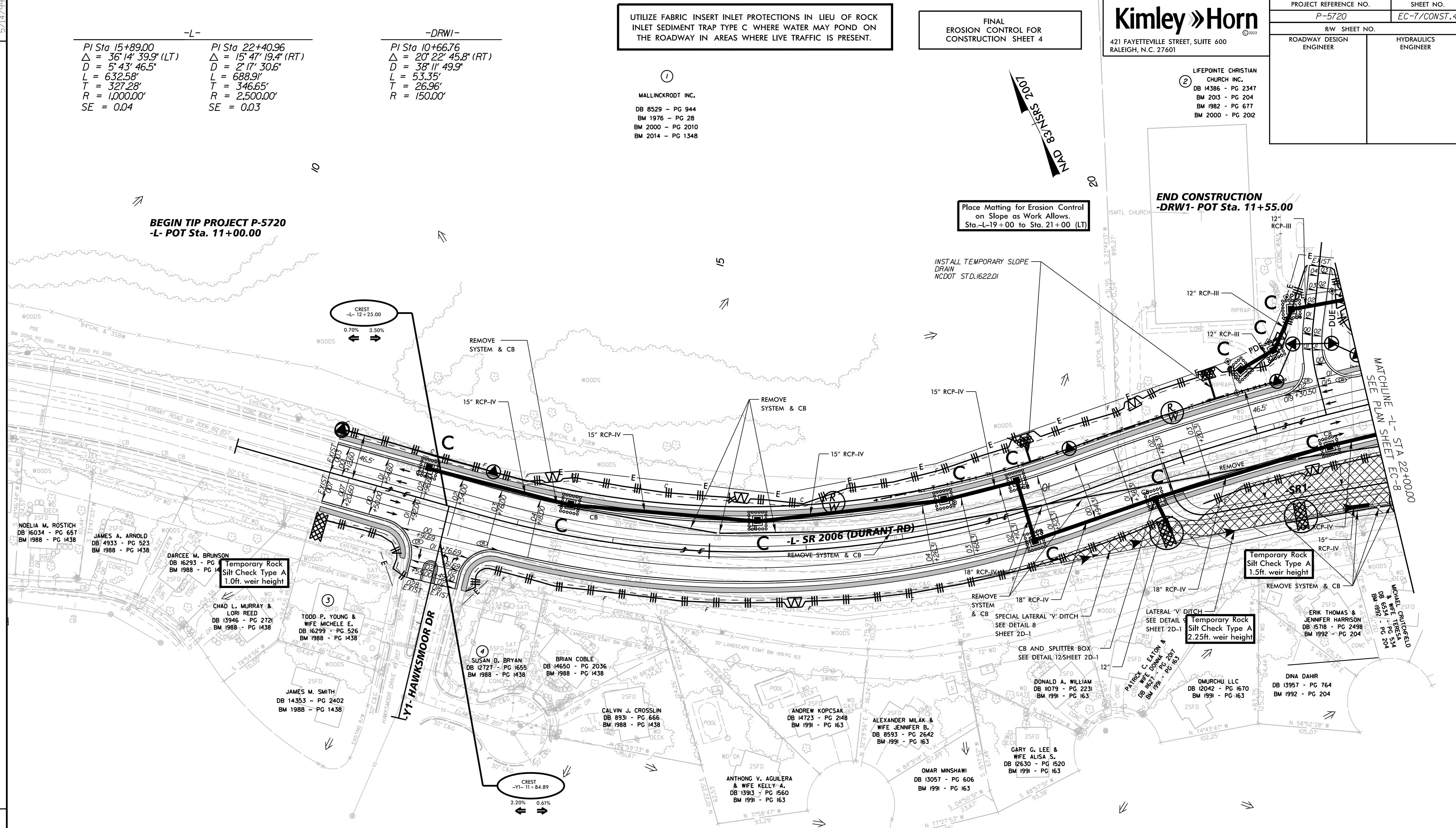
**BEGIN TIP PROJECT P-5720**  
**-L- POT Sta. 11+00.00**

Place Matting for Erosion Control on Slope as Work Allows. Sta.-L-19+00 to Sta. 21+00 (LT)

**END CONSTRUCTION**  
**-DRW1- POT Sta. 11+55.00**

**BEGIN CONSTRUCTION**  
**-Y1- POT Sta. 11+43.00**

REVISIONS



REMOVE EXISTING PAVEMENT

SEE SHEET NO. 7 FOR -L- PROFILE  
 SEE SHEET NO. 8 FOR -Y1- PROFILE  
 SEE SHEET NO. 10 FOR -DRW1- PROFILE

PROJECT REFERENCE NO.	SHEET NO.
P-5720	EC-8/CONST.5
RDW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

FINAL EROSION CONTROL FOR CONSTRUCTION SHEET 5

-L-	-Y2REV-	-Y2-
PI Sta 22+40.96 Δ = 15° 47' 19.4" (RT) D = 2' 17' 30.6" L = 688.91' T = 346.65' R = 2,500.00' SE = 0.03	PI Sta 11+40.00 Δ = 90° 00' 00.0" (RT) D = 53' 03' 05.9" L = 169.65' T = 108.00' R = 108.00' SE = 0.04	PI Sta 11+47.00 Δ = 90° 00' 00.0" (RT) D = 49' 49' 20.7" L = 180.64' T = 115.00' R = 115.00'

-Y3-	
PI Sta 12+21.27 Δ = 16° 38' 57.7" (LT) D = 14' 19' 26.2" L = 116.23' T = 58.53' R = 400.00' SE = RC	PI Sta 13+31.52 Δ = 14° 58' 04.0" (RT) D = 14' 19' 26.2" L = 104.49' T = 52.55' R = 400.00' SE = RC

LIFEPOINTE CHRISTIAN CHURCH INC.  
DB 14386 - PG 2347  
BM 2013 - PG 104  
BM 2000 - PG 2013

OUTLET PROTECTION CLASS B RIP RAP EST 2 TONS EST 5 SY GFD

Place Matting for Erosion Control on Slope as Work Allows. Sta.-L-26+50 to Sta. 31+50 (LT)

Temporary Rock Silt Check Type A 2.0ft. weir height

INSTALL TEMPORARY SLOPE GUARDRAIL STD. 1622.01 R=50

Temporary Rock Silt Check Type A 1.5ft. weir height

Temporary Rock Silt Check Type A 1.5ft. weir height

Temporary Rock Silt Check Type A 1.5ft. weir height

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Temporary Rock Silt Check Type A 1.5ft. weir height

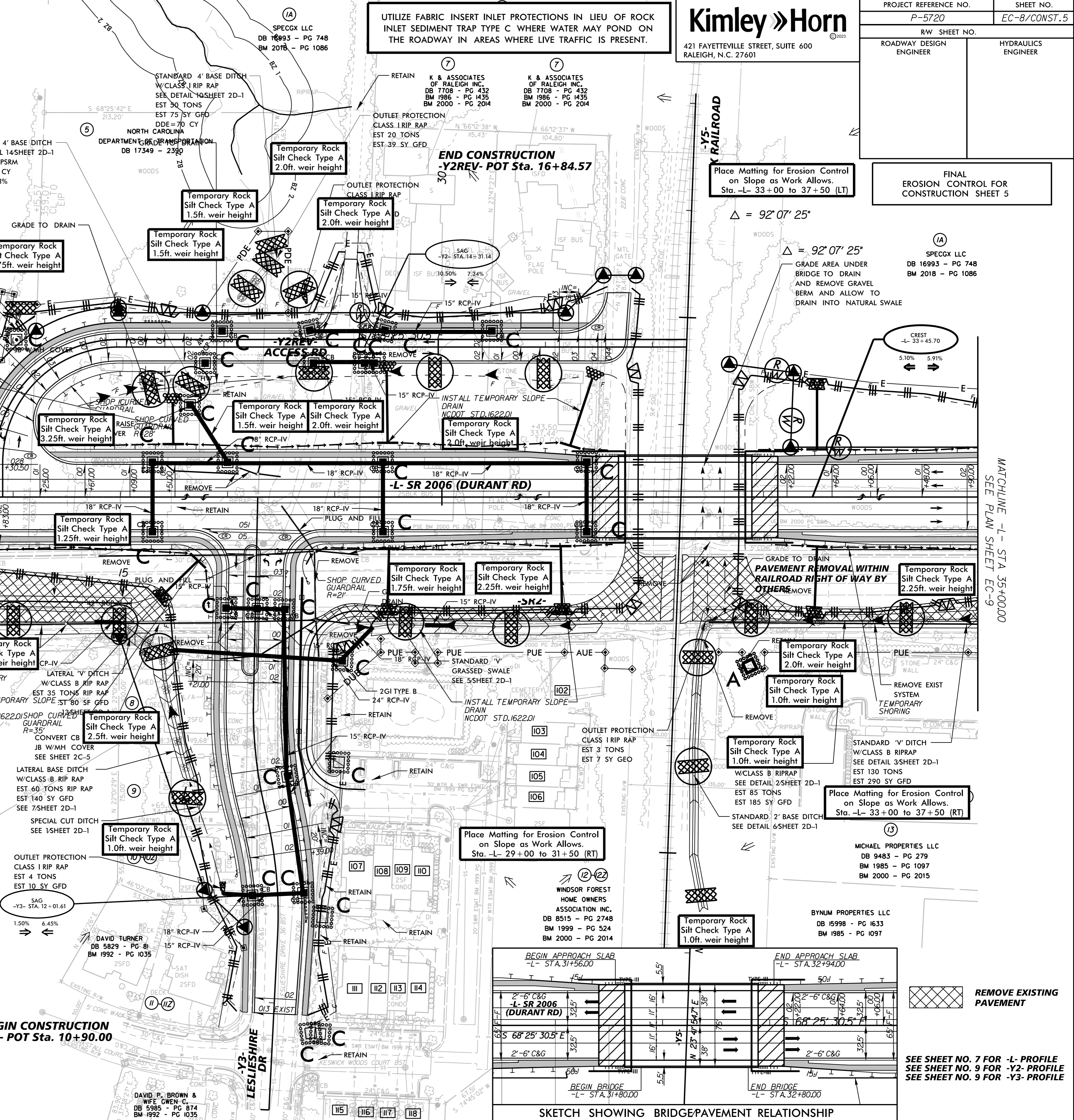
Temporary Rock Silt Check Type A 1.5ft. weir height

Temporary Rock Silt Check Type A 1.5ft. weir height

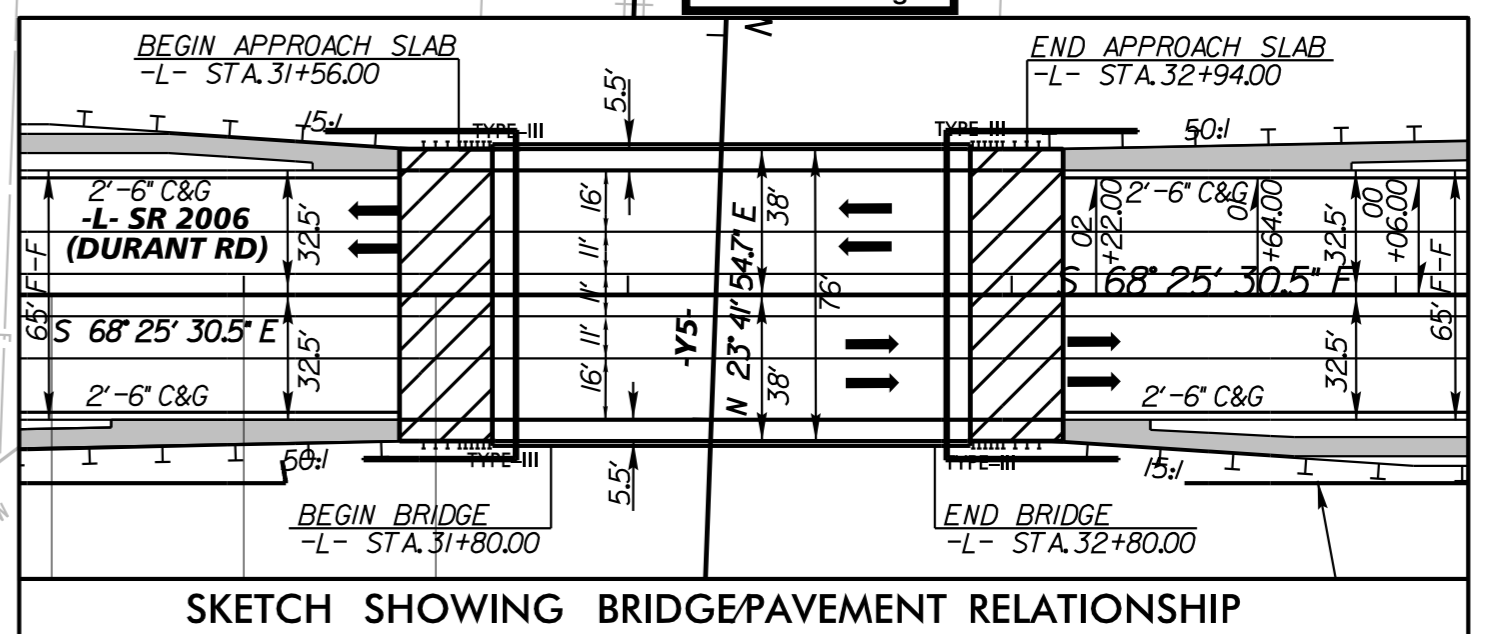
Temporary Rock Silt Check Type A 1.5ft. weir height

Temporary Rock Silt Check Type A 1.5ft. weir height

Temporary Rock Silt Check Type A 1.5ft. weir height



101 THOMAS DUDLEY & WIFE SARAH L. DB 16568 - PG 2601 BM 1992 - PG 1035 BM 2000 - PG 2013	107 LOUISE G. OVERTON DB 13231 - PG 1414 BM 1999 - PG 524	113 NADER A. WAKIM DB 8288 - PG 1946 BM 1999 - PG 524
102 DURANT TRAILS DB 6231 - PG 124 BM 1999 - PG 524	108 SARAH M. FLEMING DB 8317 - PG 2440 BM 1999 - PG 524	114 JOHN BOWERS DB 16023 - PG 1414 BM 1999 - PG 524
103 DAVID W. MILLER DB 16374 - PG 197 BM 1992 - PG 204	109 CAITLYN R. DEBONA DB 16047 - PG 163 BM 1999 - PG 524	115 BRENDA G. AUSTIN DB 14144 - PG 1452 BM 1999 - PG 524
104 DANIELLE R. TRICARIO DB 16635 - PG 789 BM 1999 - PG 524	110 HENRY ZIMMERMAN & WIFE PATRICIA DB 12583 - PG 2639 BM 1999 - PG 524	116 MAX DRUMMOND DB 15083 - PG 333 BM 1999 - PG 524
105 GARY S. FLOHR DB 8477 - PG 110 BM 1999 - PG 524	111 BONNIE B. WALKER DB 12706 - PG 2602 BM 1999 - PG 524	117 JAMES B. KRITZER DB 13158 - PG 227 BM 1999 - PG 524
106 GLORIA H. TARKENTON & REBEKAH E. DB 8478 - PG 110 BM 1999 - PG 524	112 LORI A. DUPAW DB 1500 - PG 210 BM 1999 - PG 524	118 STACY L. KESSLER DB 12026 - PG 775 BM 1999 - PG 524
		119 CAH 2015-1 BORROWER LLC DB 16053 - PG 2063 BM 1992 - PG 1035 BM 2000 - PG 2014
		120 JOESPH A. MATTEIS & WIFE ELLEN DB 6683 - PG 857 BM 1992 - PG 1035
		121 SCOTT STCLAIR & WIFE JEANETTE DB 11617 - PG 2395 BM 1992 - PG 1035
		122 RUDOLPH JONES & WIFE SUSAN M. DB 6288 - PG 908 BM 1992 - PG 1035



REVISIONS

MATCHLINE -L- STA. 35+00.00  
SEE PLAN SHEET EC-9

SEE SHEET NO. 7 FOR -L- PROFILE  
SEE SHEET NO. 9 FOR -Y2- PROFILE  
SEE SHEET NO. 9 FOR -Y3- PROFILE

5/14/1999

12/22/2023

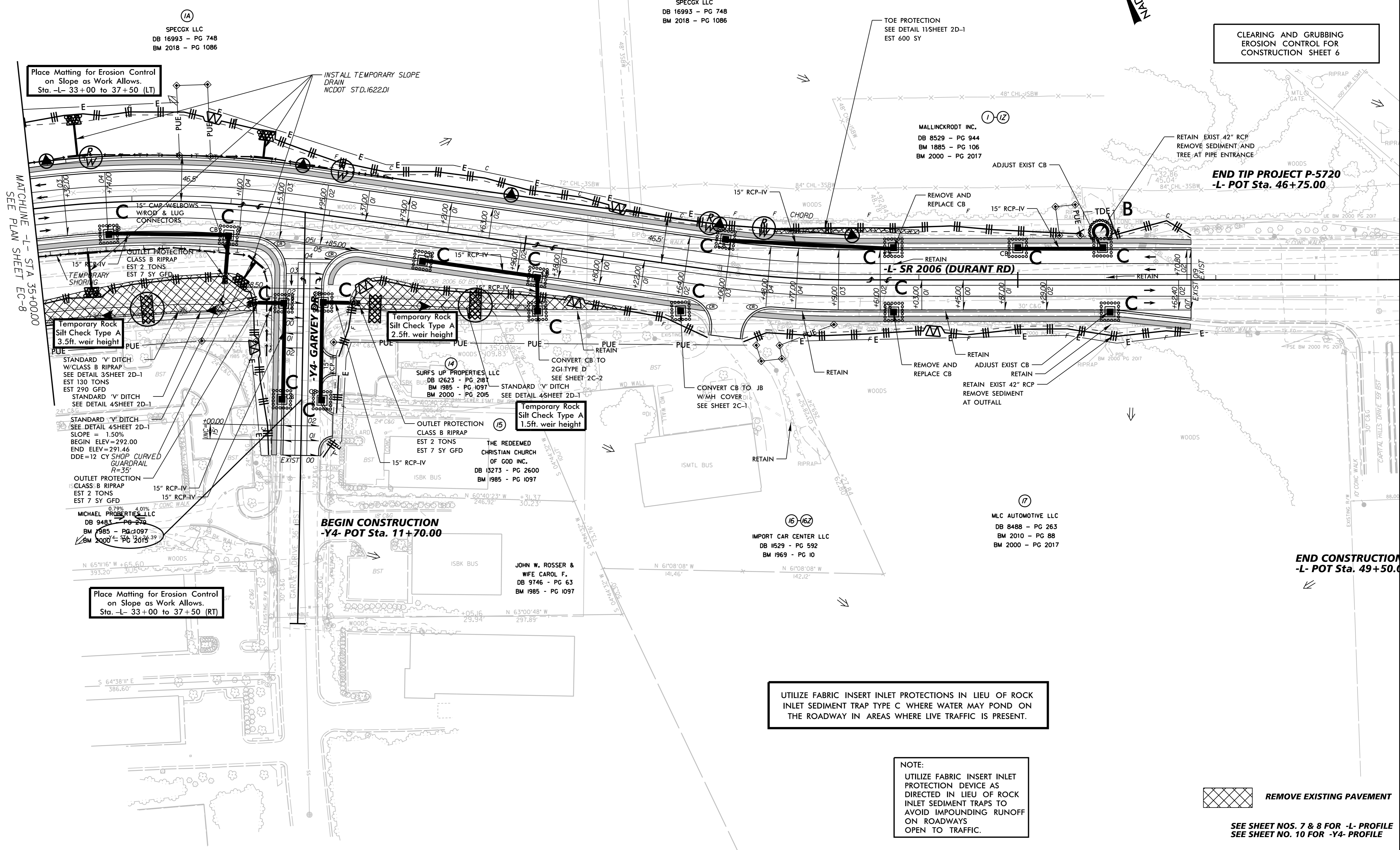
PROJECT REFERENCE NO.	SHEET NO.
P-5720	EC-9/CONST.6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

<p>PI Sta 36+43.09  <math>\Delta = 14' 13" 25.9" (RT)</math>  <math>D = 5' 43" 46.5"</math>  <math>L = 248.25'</math>  <math>T = 124.77'</math>  <math>R = 1,000.00'</math>  <math>SE = 0.04</math></p>	<p>PI Sta 42+62.30  <math>\Delta = 8' 04" 23.2" (LT)</math>  <math>D = 5' 43" 46.5"</math>  <math>L = 140.90'</math>  <math>T = 70.57'</math>  <math>R = 1,000.00'</math>  <math>SE = 0.04</math></p>	<p>PI Sta 48+16.79  <math>\Delta = 0' 08" 53.8" (LT)</math>  <math>D = 0' 07" 51.5"</math>  <math>L = 113.23'</math>  <math>T = 56.62'</math>  <math>R = 43,751.02'</math></p>	<p>PI Sta 49+50.00  <math>\Delta = 0' 00" 00.0" (LT)</math>  <math>D = 0' 00" 00.0"</math>  <math>L = 5.96'</math>  <math>T = 2.98'</math>  <math>R = 40,336.05'</math></p>
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Place Matting for Erosion Control on Slope as Work Allows. Sta. -L- 33+00 to 37+50 (LT)

INSTALL TEMPORARY SLOPE DRAIN NCDOT STD.1622.01

Temporary Rock Silt Check Type A 3.5ft. weir height

Temporary Rock Silt Check Type A 2.5ft. weir height

Temporary Rock Silt Check Type A 1.5ft. weir height

MICHAEL PROPERTIES LLC DB 9483 - PG 270 BM 1985 - PG 097 BM 2000 - PG 2015

BEGIN CONSTRUCTION -Y4- POT Sta. 11+70.00

JOHN W. ROSSER & WIFE CAROL F. DB 9746 - PG 63 BM 1985 - PG 1097

MLC AUTOMOTIVE LLC DB 8488 - PG 263 BM 2010 - PG 88 BM 2000 - PG 2017

END CONSTRUCTION -L- POT Sta. 49+50.00

Place Matting for Erosion Control on Slope as Work Allows. Sta. -L- 33+00 to 37+50 (RT)

UTILIZE FABRIC INSERT INLET PROTECTIONS IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C WHERE WATER MAY POND ON THE ROADWAY IN AREAS WHERE LIVE TRAFFIC IS PRESENT.

NOTE:  
 UTILIZE FABRIC INSERT INLET PROTECTION DEVICE AS DIRECTED IN LIEU OF ROCK INLET SEDIMENT TRAPS TO AVOID IMPOUNDING RUNOFF ON ROADWAYS OPEN TO TRAFFIC.

REMOVE EXISTING PAVEMENT

SEE SHEET NOS. 7 & 8 FOR -L- PROFILE  
 SEE SHEET NO. 10 FOR -Y4- PROFILE

REVISIONS

5/14/99

12/22/2023