

\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$DGN\$\$\$\$\$



BEGIN CONSTRUCTION
-YI- Sta. 13+06.00

TYPE OF WORK: GRADING, DRAINAGE, BRIDGES, PAVING, SIGNALS, AND RETAINING WALLS

END CONSTRUCTION
-YI- Sta. 30+30.00

BEGIN TIP PROJECT R-5963A
-L- Sta. 10+00.00

BEGIN BRIDGE
[-L- Sta. 75+78.00

END CONSTRUCTION
-Y7- Sta. 20+30.00

END BRIDGE
-L- Sta. 77+20.00

BEGIN CONSTRUCTION
-Y7- Sta. 13+25.00

BEGIN CONSTRUCTION
-Y14- Sta. 11+48.00

END TIP PROJECT R-5963A
BEGIN TIP PROJECT R-5963C (FUTURE)
 -L- Stg. 177+51.05

BEGIN BRIDGE
[-L- Sta. 75+78.00

END CONSTRUCTION
-Y7- Sta. 20+30.00

BEGIN BRIDGE
-L- Sta. 134+05.00

END BRIDGE
-L- Sta. 135+25.00

END CONSTRUCTION
-L- Sta. 179+16.00

~~END CONSTRUCTION~~
~~-Y14- Sta. 31+05.00~~

★ - SIGNALIZED INTERSECTION

GRAPHIC SCALE



Kimley-Horn

DAVID HURSEY

4359

LEVEL III CERTIFICATION NO.

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

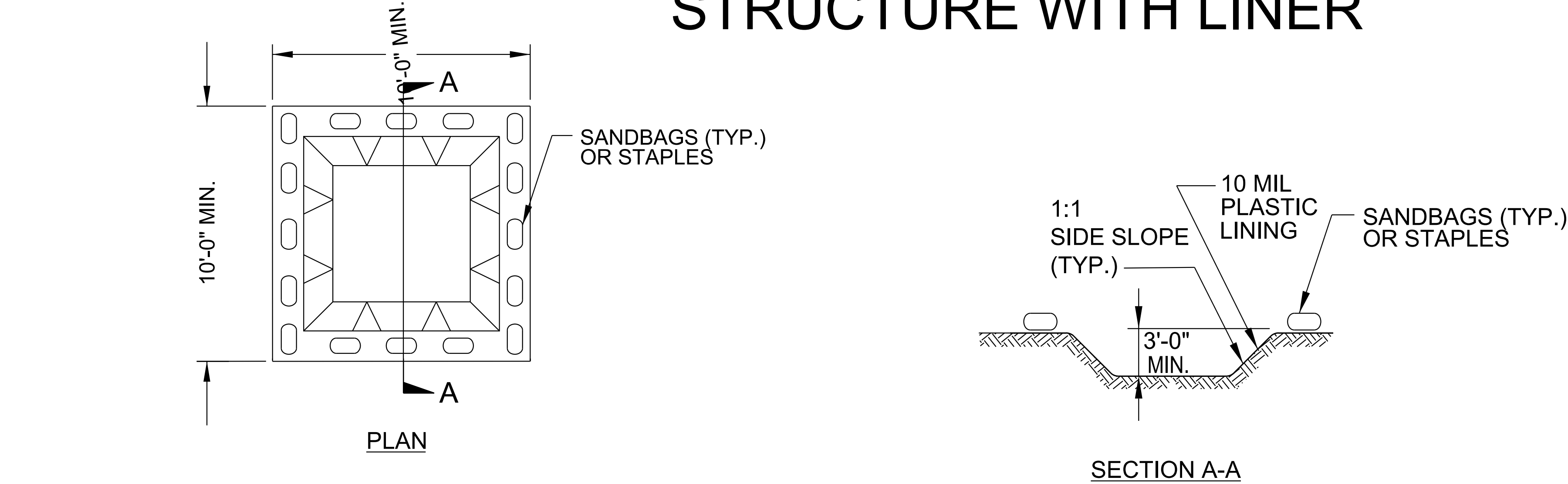
PROJECT REFERENCE NO.		SHEET NO.	
R-5963A		EC-2	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

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				

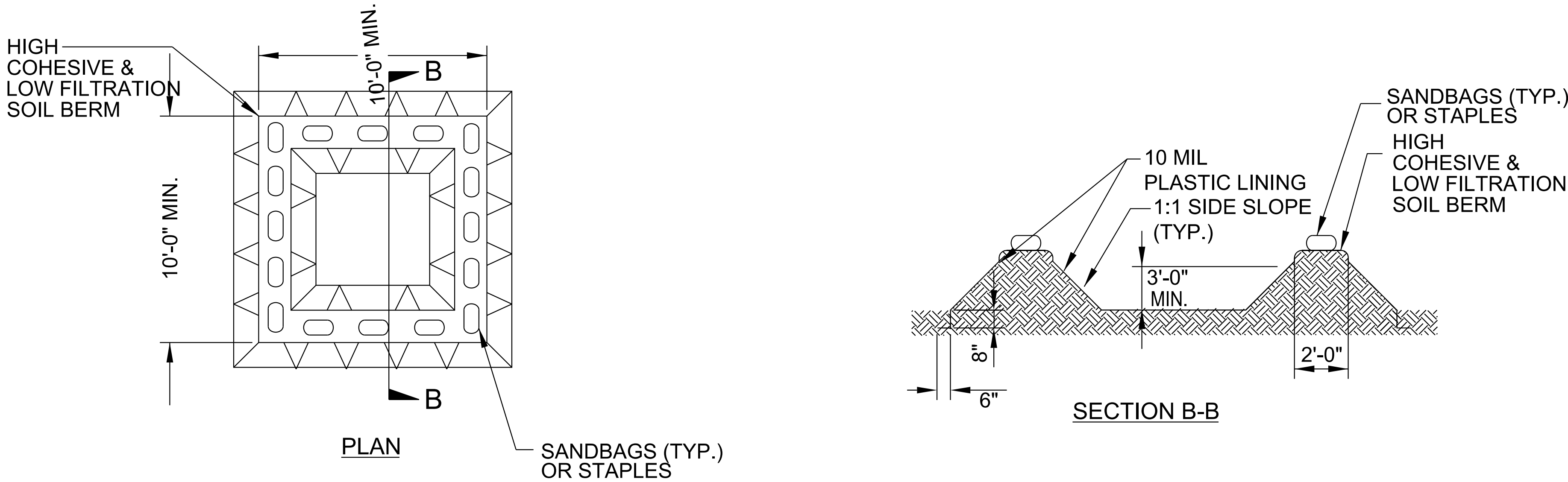
ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER

PROJECT REFERENCE NO.	SHEET NO.
R-5963A	EC-2A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



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.



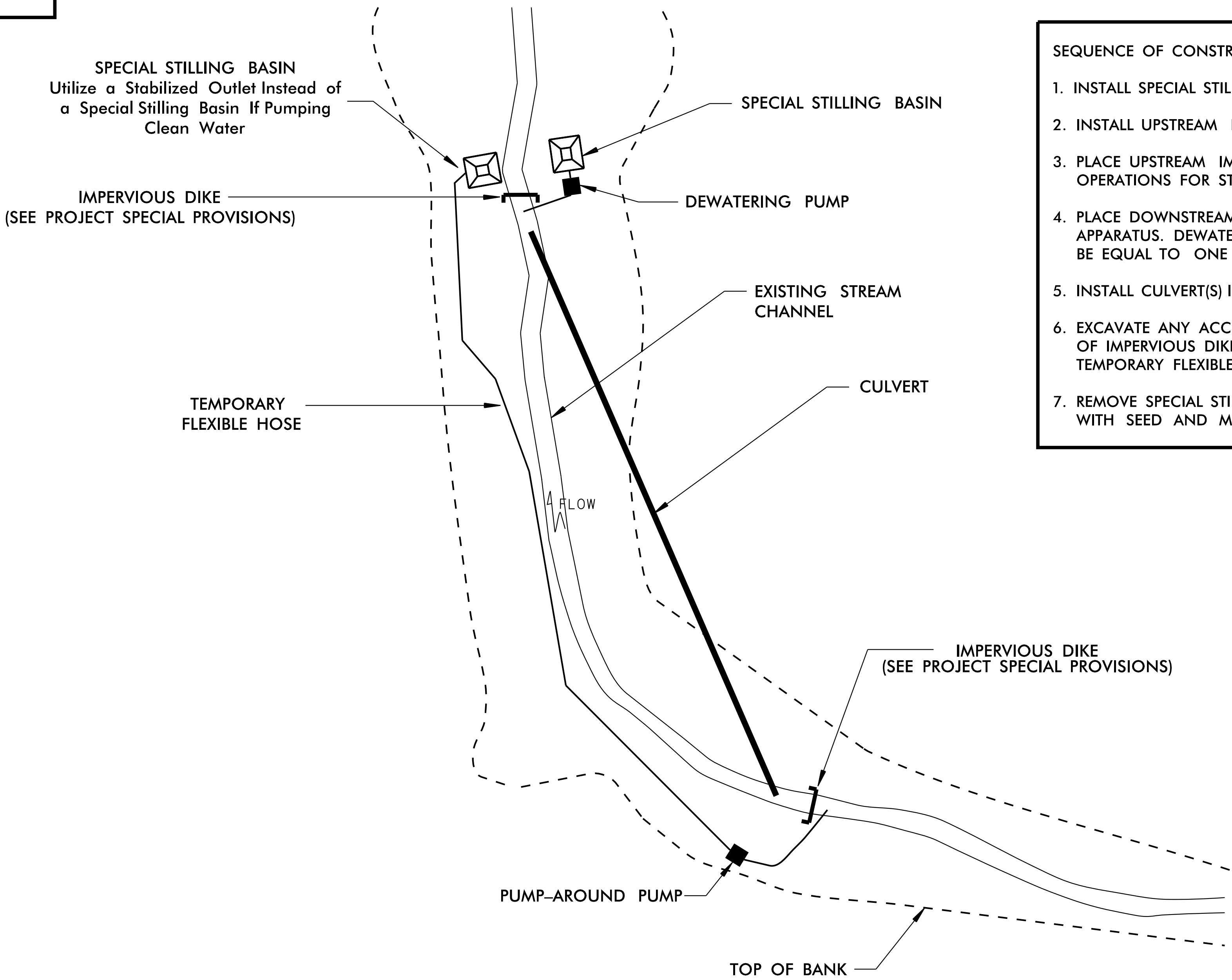
ABOVE GRADE WASHOUT STRUCTURE
NOT TO SCALE

- 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.

PROJECT REFERENCE NO.	SHEET NO.
R-5963A	EC-2B
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

EXAMPLE OF PUMP-AROUND OPERATION

- NOTES:
- 1) All excavation shall be performed in only dry or isolated areas of the work zone.
 - 2) Impervious dikes are to be used to isolate work from stream flow when necessary.
 - 3) Maintenance of stream flow operations shall be incidental to the work. This includes polyethylene sheeting, diversion pipes, pumps and hoses.
 - 4) Pumps and hoses shall be of sufficient size to dewater the work area.



- SEQUENCE OF CONSTRUCTION FOR TYPICAL WORK AREA
1. INSTALL SPECIAL STILLING BASIN(S).
 2. INSTALL UPSTREAM PUMP AND TEMPORARY FLEXIBLE HOSE.
 3. PLACE UPSTREAM IMPervious DIKE AND BEGIN PUMPING OPERATIONS FOR STREAM DIVERSION.
 4. PLACE DOWNSTREAM IMPervious DIKE AND PUMPING APPARATUS. DEWATER ENTRAPPED AREA. AREA TO BE DEWATERED SHALL BE EQUAL TO ONE DAY'S WORK.
 5. INSTALL CULVERT(S) IN ACCORDANCE WITH THE PLANS.
 6. EXCAVATE ANY ACCUMULATED SILT AND DEWATER BEFORE REMOVAL OF IMPervious DIKES. REMOVE IMPervious DIKES, PUMPS, AND TEMPORARY FLEXIBLE HOSE. (DOWNSTREAM IMPervious DIKES FIRST).
 7. REMOVE SPECIAL STILLING BASIN(S) AND BACKFILL. STABILIZE DISTURBED AREA WITH SEED AND MULCH.

PROJECT REFERENCE NO.	SHEET NO.
R-5963A	EC-3
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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 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

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO.		SHEET NO.	
R-5963A		EC-3A	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

SOIL STABILIZATION SUMMARY SHEET

MATTING FOR EROSION CONTROL

SLOPE					
CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
4	-L-	10+65	14+00	R	1750
4	-Y1-	18+50	19+50	R	560
4/5	-L-	10+65	15+50	L	2380
5	-L-	19+00	20+00	R	165
6	-L-	31+00	38+00	L	3710
6	-L-	32+50	36+50	R	2840
7	-L-	50+50	52+00	R	580
7	-L-	51+50	54+50	L	1405
7/8	-L-	55+50	63+00	R	3645
8	-L-	62+00	67+00	L	1855
8/9	-L-	70+00	73+50	L	1775
9	-L-	75+50	76+00	R	220
9	-L-	75+50	76+00	L	225
9	-Y7-	15+50	15+71	R	45
9	-Y7-	17+21	17+50	R	70
9/10	-L-	80+50	88+00	R	5180
9/10	-L-	81+00	87+50	L	2935
10	-L-	90+00	92+00	L	795
12	-L-	111+50	113+00	L	725
12	-L-	112+00	113+00	R	325
12	-L-	117+00	123+50	R	1800
12	-L-	122+50	123+00	L	85
13	-L-	124+50	126+50	L	390
13	-L-	129+00	133+50	L	1165
13	-L-	130+00	133+50	R	1100
13/14	-L-	136+00	138+00	L	450
14	-L-	140+50	141+50	L	185
14	-L-	143+00	144+00	L	170
14	-L-	140+50	143+00	R	495

MATTING FOR EROSION CONTROL

DITCH					
CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
4	-Y1-	14+00	15+40	R	190
4	-Y1-	15+50	18+50	R	300
4/5	-L-	13+50	16+50	L	400
5	-L-	17+30	19+50	L	270
5	-L-	17+50	19+00	R	210
5	-L-	24+50	26+50	L	230
6/7	-L-	39+10	43+00	L	215
7	-L-	49+50	50+50	L	115
7/8	-L-	53+50	61+00	R	730
8/9	-L-	67+55	74+00	L	385
10	-L-	89+50	91+15	R	190
10	-L-	91+80	95+00	R	405
11	-L-	97+00	98+50	L	200
12	-L-	118+50	122+45	R	55
13	-L-	124+50	128+50	R	590
13	-L-	132+50	134+76	L	295
14	-L-	144+00	144+50	R	60
14	-L-	148+50	149+20	R	85
15	-L-	150+00	151+50	R	175
15	-L-	156+00	157+50	R	185
15	-L-	159+00	162+50	R	405
16	-L-	163+00	164+00	R	175
16	-L-	165+50	171+50	R	800
16	-L-	166+60	172+50	L	840
17	-Y14-	16+50	20+45	R	535
17	-Y14-	18+00	20+90	L	340
17/19	-Y14-	25+50	30+45	L	590

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO.

SHEET NO.

R-5963A

EC-3B

ROADWAY DESIGN
ENGINEER

HYDRAULICS
ENGINEER

SOIL STABILIZATION SUMMARY SHEET

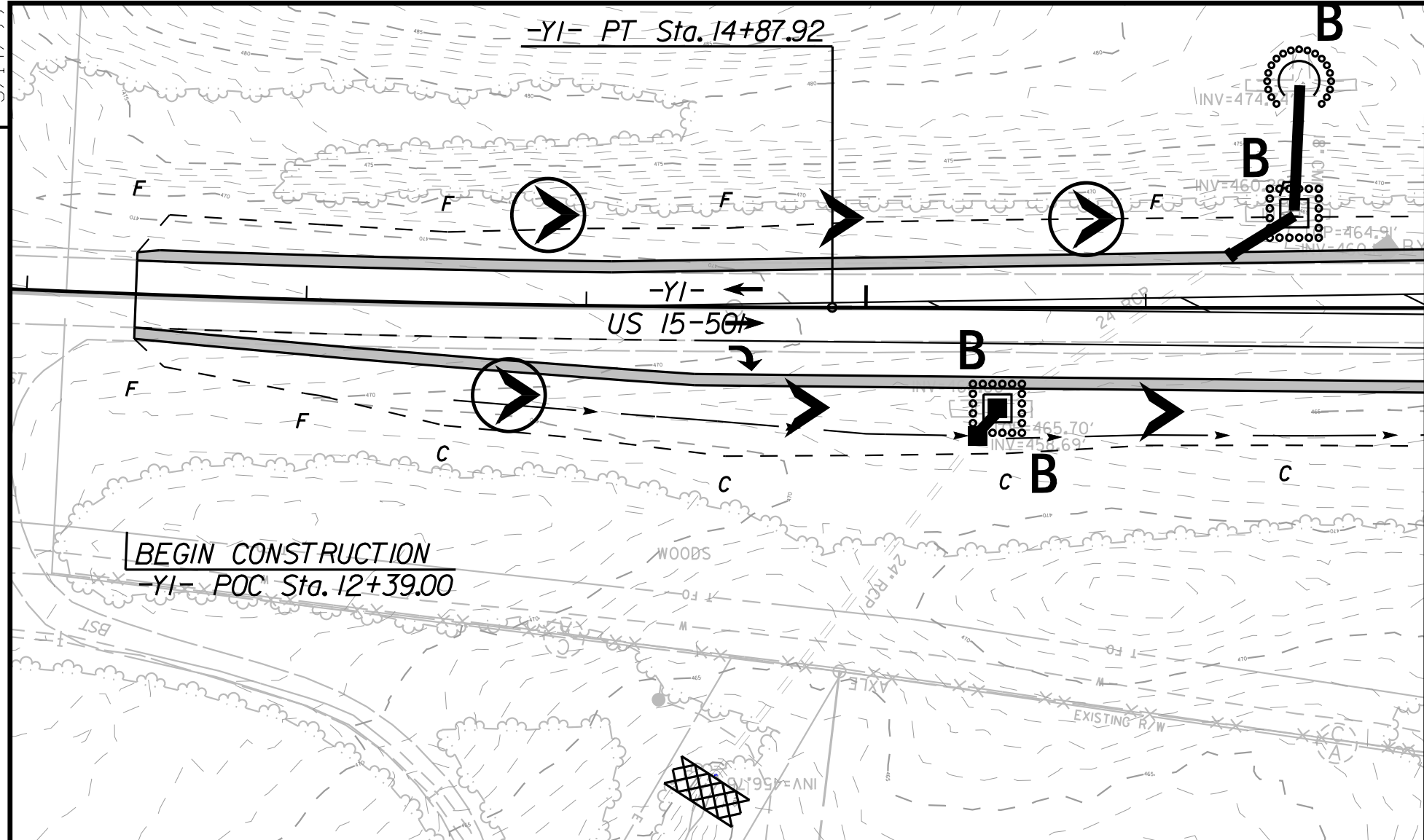
MATTING FOR EROSION CONTROL

MATTING FOR EROSION CONTROL

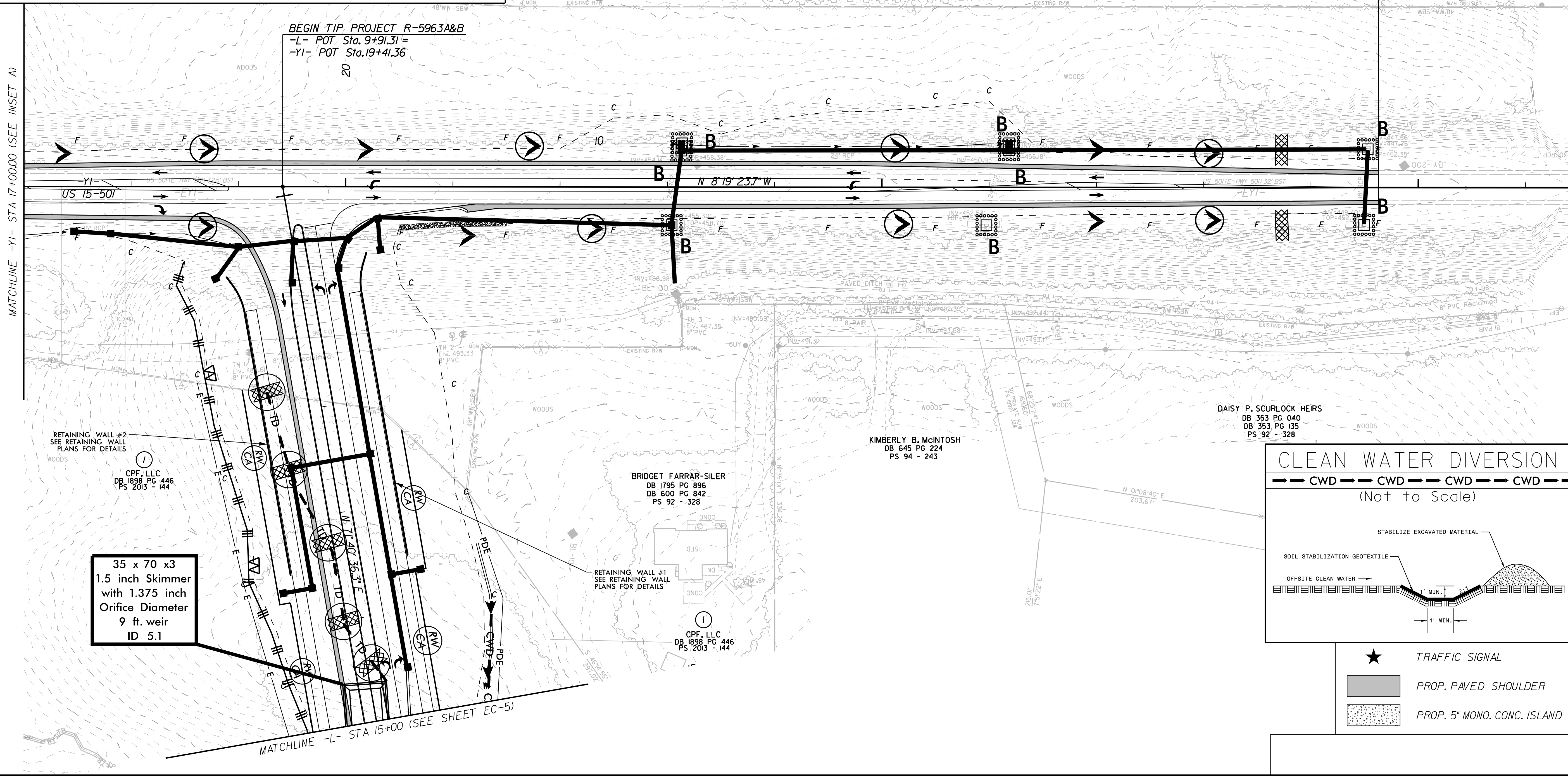
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5/14/99

REVISIONS



INSET A



35 x 70 x3
1.5 inch Skimmer
with 1.375 inch
Orifice Diameter
9 ft. weir
ID 5.1

RETAINING WALL #2
SEE RETAINING WALL
PLANS FOR DETAILS
CPF, LLC
DB 1898 PG 446
PS 2013 - 144

BRIDGET FARRAR-SILER
DB 1795 PG 896
DB 600 PG 842
PS 92 - 328

RETAINING WALL #1
SEE RETAINING WALL
PLANS FOR DETAILS
CPF, LLC
DB 1898 PG 446
PS 2013 - 144

JEFFREY THOMAS WILLIAMS
DB 683 PG 975

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.

Kimley » Horn

421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601
PE NO. F-0102

RIGHT-OF-WAY REV.
CONST. REV.



HERMAN RAY DOWDY
AND WIFE
CLARISSA G. DOWDY
DB 529 PG 578
PS 88 - 228

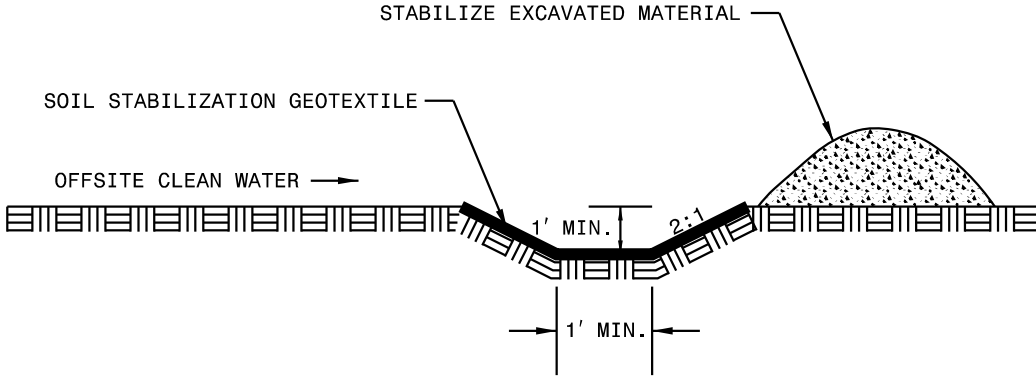
END CONSTRUCTION
-YI- POT Sta. 29+63.00

DAISY P. SCURLOCK HEIRS
DB 353 PG 040
DB 353 PG 135
PS 92 - 328

KIMBERLY B. MCINTOSH
DB 645 PG 224
PS 94 - 243

CLEAN WATER DIVERSION

--- CWD --- CWD --- CWD --- CWD ---
(Not to Scale)



- ★ TRAFFIC SIGNAL
- PROP. PAVED SHOULDER
- PROP. 5" MONO. CONC. ISLAND

K:\RAL_Roadway\011036734 - R-5963A&B\Erosion Control\PSH\CA&R-5963A&B_ero_psh.5dgn

REVISIONS

2/18/2025

NOTE:

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

CARLOS GONZALEZ
AND WIFE
SANDRA HIMENEZ
DB 2293 PG 895
PS '94 - 243

CPF, LLC
DB 1898 PG 446
PS 2013 - 144

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 5

Kimley » Horn

421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601

RIGHT-OF-WAY REV.
CONST. REV.

PROJECT REFERENCE NO.

R-5963A

SHEET NO.

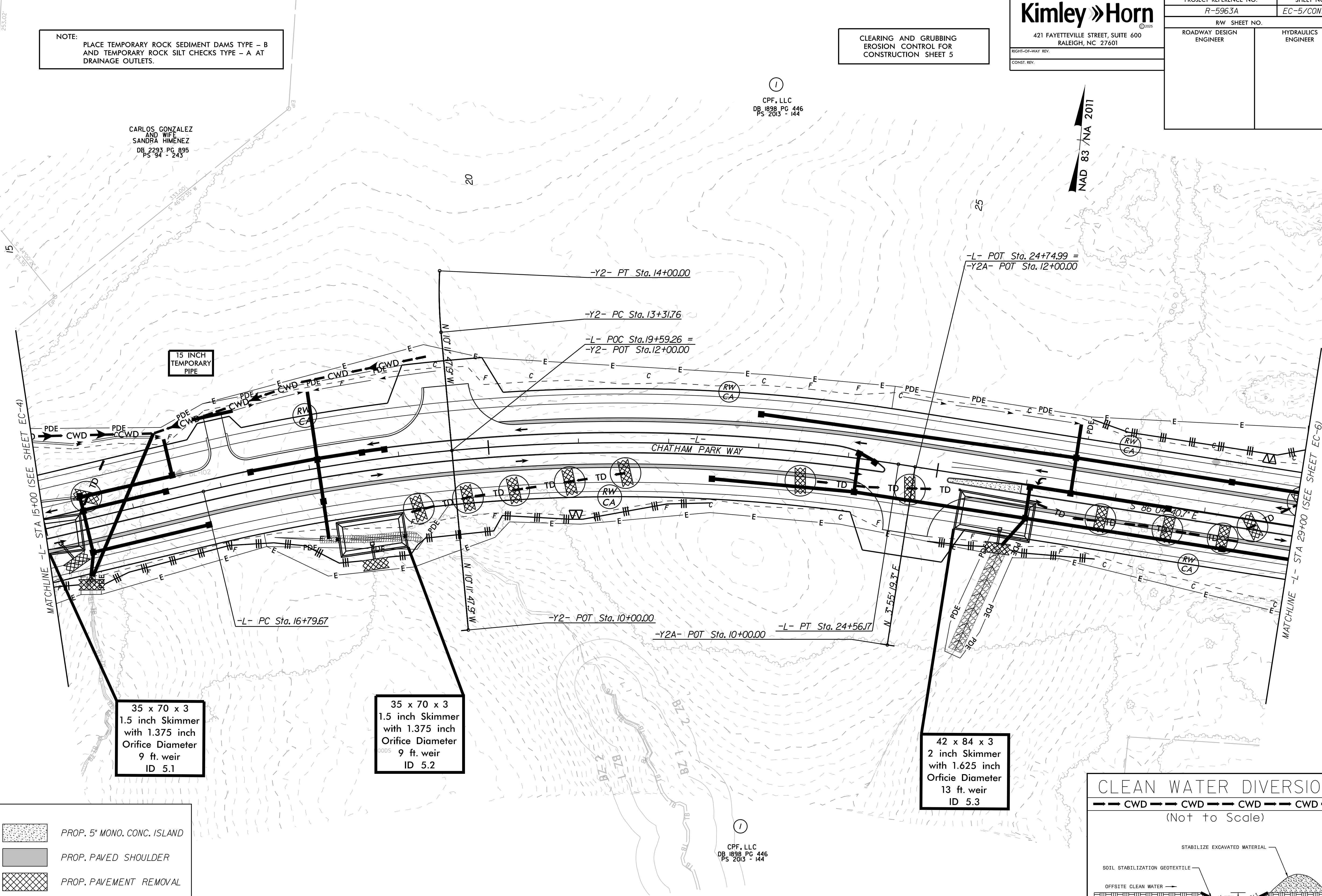
EC-5/CONST.5

R/W SHEET NO.

ROADWAY DESIGN
ENGINEER

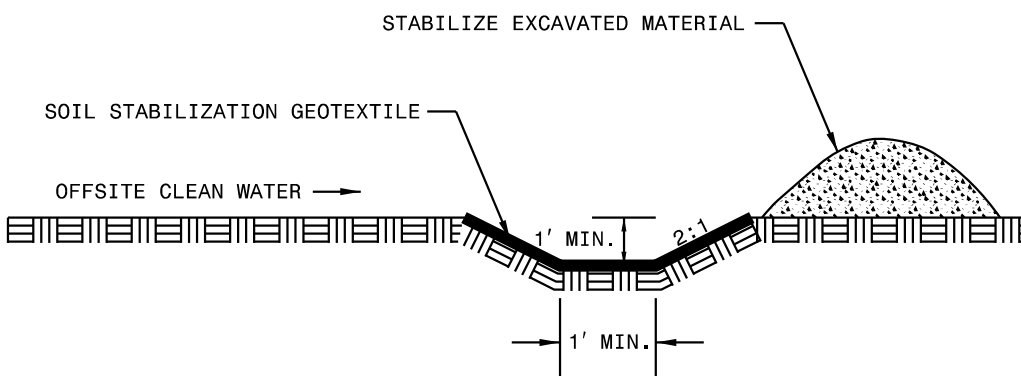
HYDRAULICS
ENGINEER

NAD 83 / NA 2011



CLEAN WATER DIVERSION

--- CWD --- CWD --- CWD --- CWD ---
(Not to Scale)



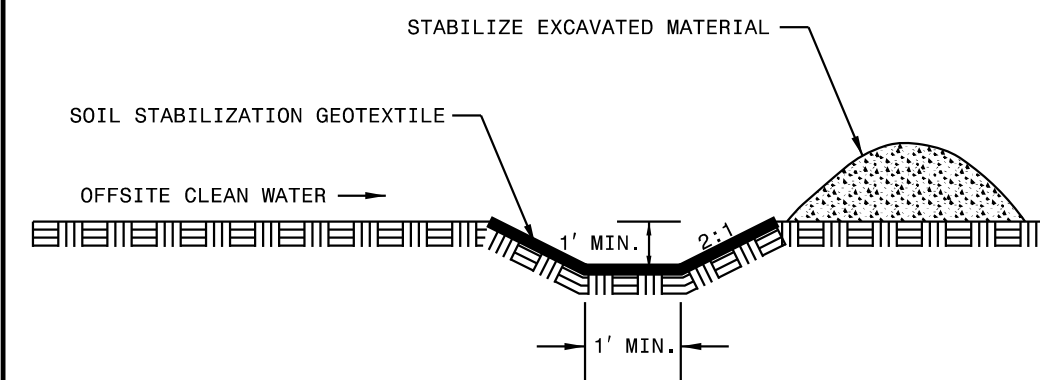
REVISIONS

	PROP. 5' MONO. CONC. ISLAND
	PROP. PAVED SHOULDER
	PROP. PAVEMENT REMOVAL

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 6

RIGHT-OF-WAY REV.
CONST. REV.

ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
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REVISIONS

2/18/2025

- PROP. 5" MONO. CONC. ISLAND
- PROP. PAVED SHOULDER
- PROP. PAVEMENT REMOVAL

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

INSTALL PIPE(S) IN JURISDICTIONAL AREAS WITHOUT IMPACTING STREAM UNTIL
AREA STABILIZED AND ACCORDING TO NCDOT BEST MANAGEMENT
PRACTICES FOR CONSTRUCTION AND MAINTENANCE ACTIVITIES MANUAL.

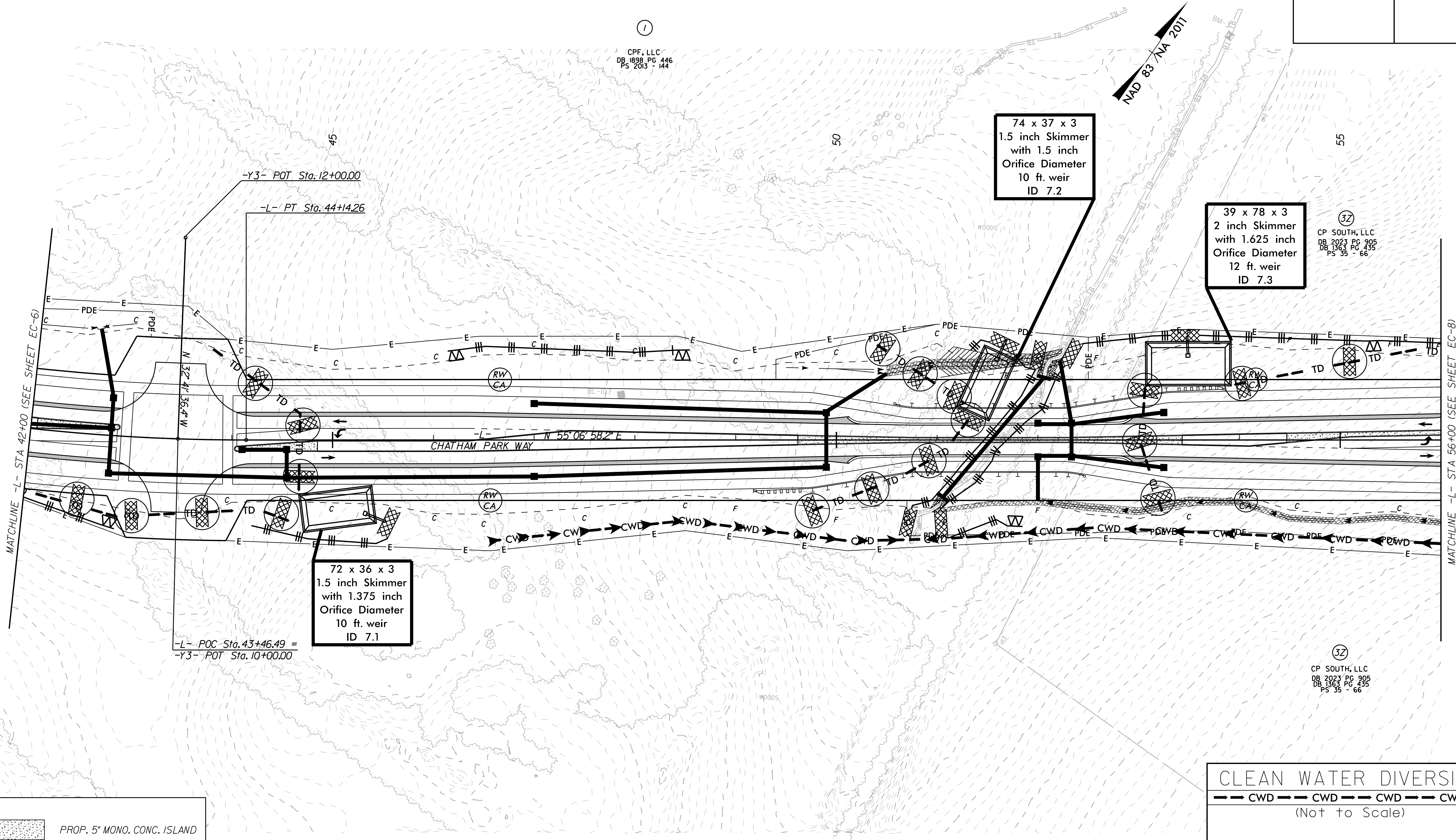
CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 7

Kimley » Horn

421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601

RIGHT-OF-WAY REV.
CONST. REV.

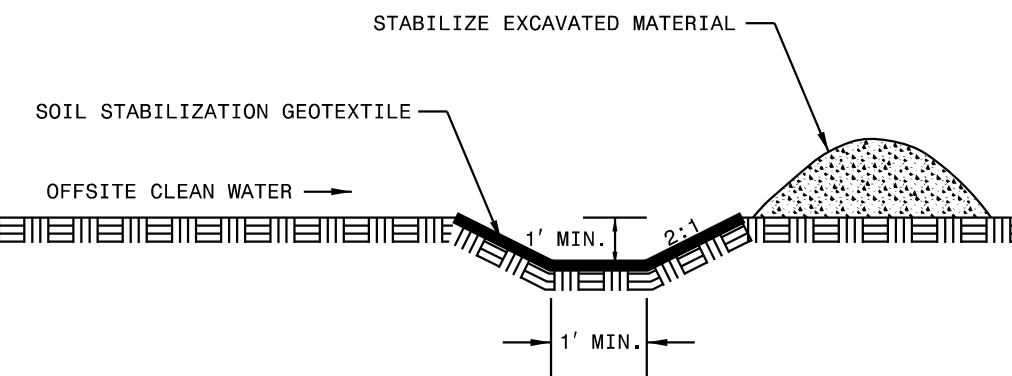
PROJECT REFERENCE NO.	SHEET NO.
R-5963A	EC-7/CONST.7
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



CPF, LLC
DB 1898 PG 446
PS 2013 - 144

CLEAN WATER DIVERSION

--- CWD --- CWD --- CWD --- CWD ---
(Not to Scale)



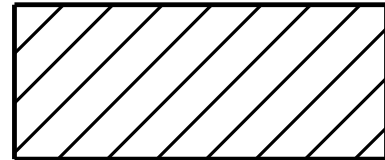
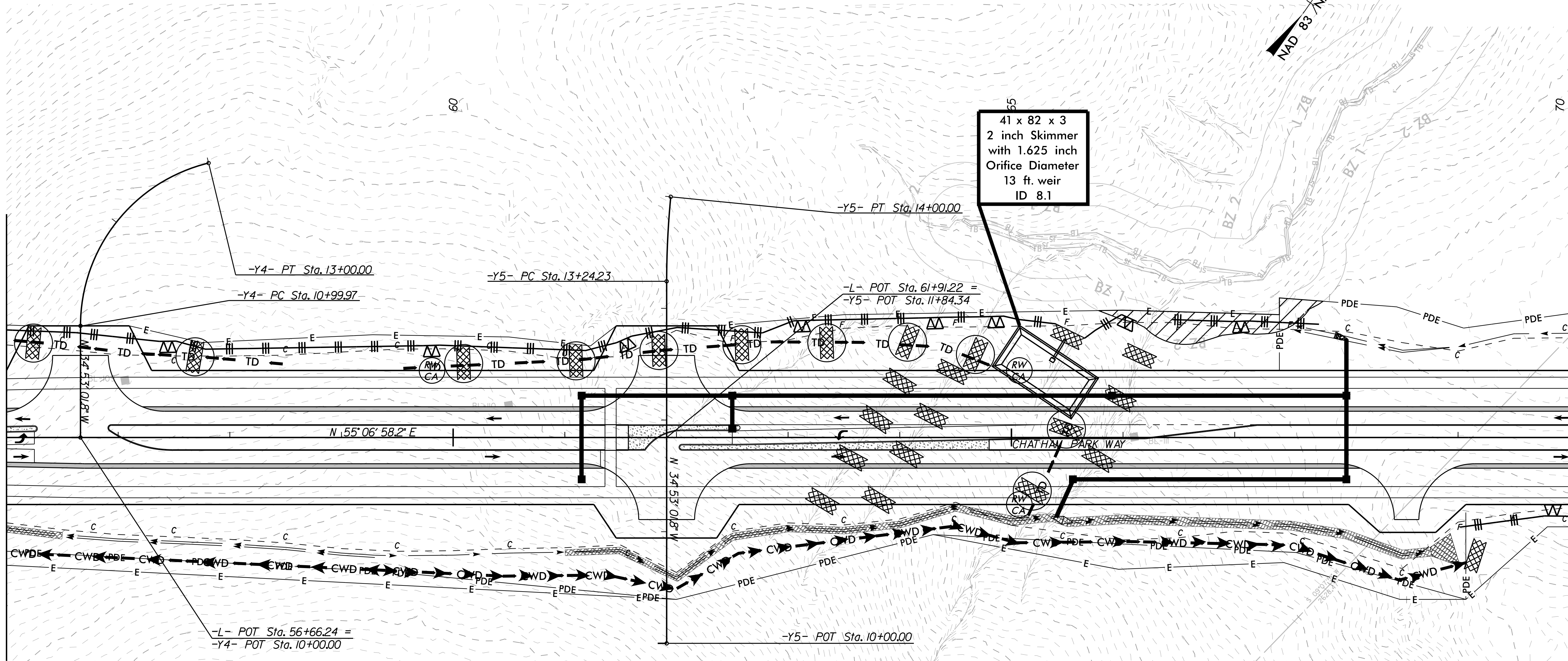
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REVISIONS

2/18/2025

- PROP. 5" MONO. CONC. ISLAND
- PROP. PAVED SHOULDER
- PROP. PAVEMENT REMOVAL

MATCHLINE -L- STA 56+00 (SEE SHEET EC-7)



ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

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 8

Kimley » Horn

421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601

RIGHT-OF-WAY REV.
CONST. REV.

PROJECT REFERENCE NO. SHEET NO.
R-5963A EC-8/CONST. B

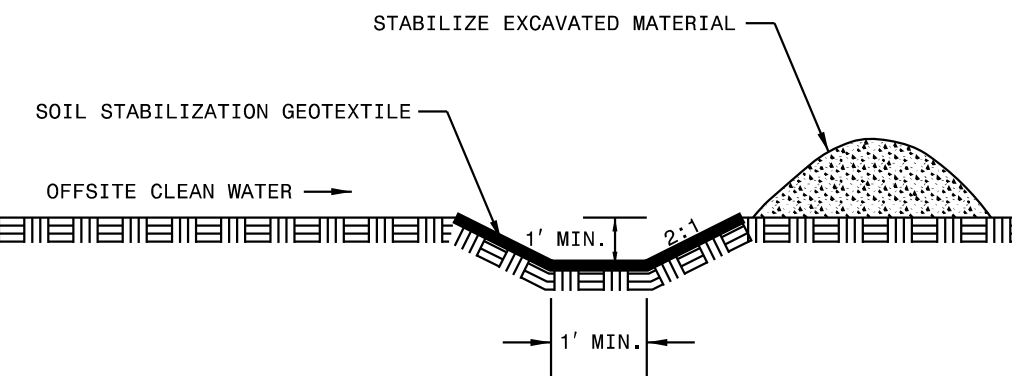
R/W SHEET NO.
ROADWAY DESIGN ENGINEER HYDRAULICS ENGINEER

CP SOUTH, LLC
DB 2023 PG 905
DB 1363 PG 435
PS 35 - 66

CP SOUTH, LLC
DB 2023 PG 905
DB 1363 PG 1032
PS 35 - 66

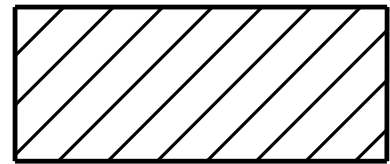
CLEAN WATER DIVERSION

CWD CWD CWD CWD
(Not to Scale)



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REVISIONS

9



ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

NOTE:
UTILIZE SPECIAL STILLINGS BASIN(S) AS NEEDED
THROUGHOUT BRIDGE CONSTRUCTION.

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

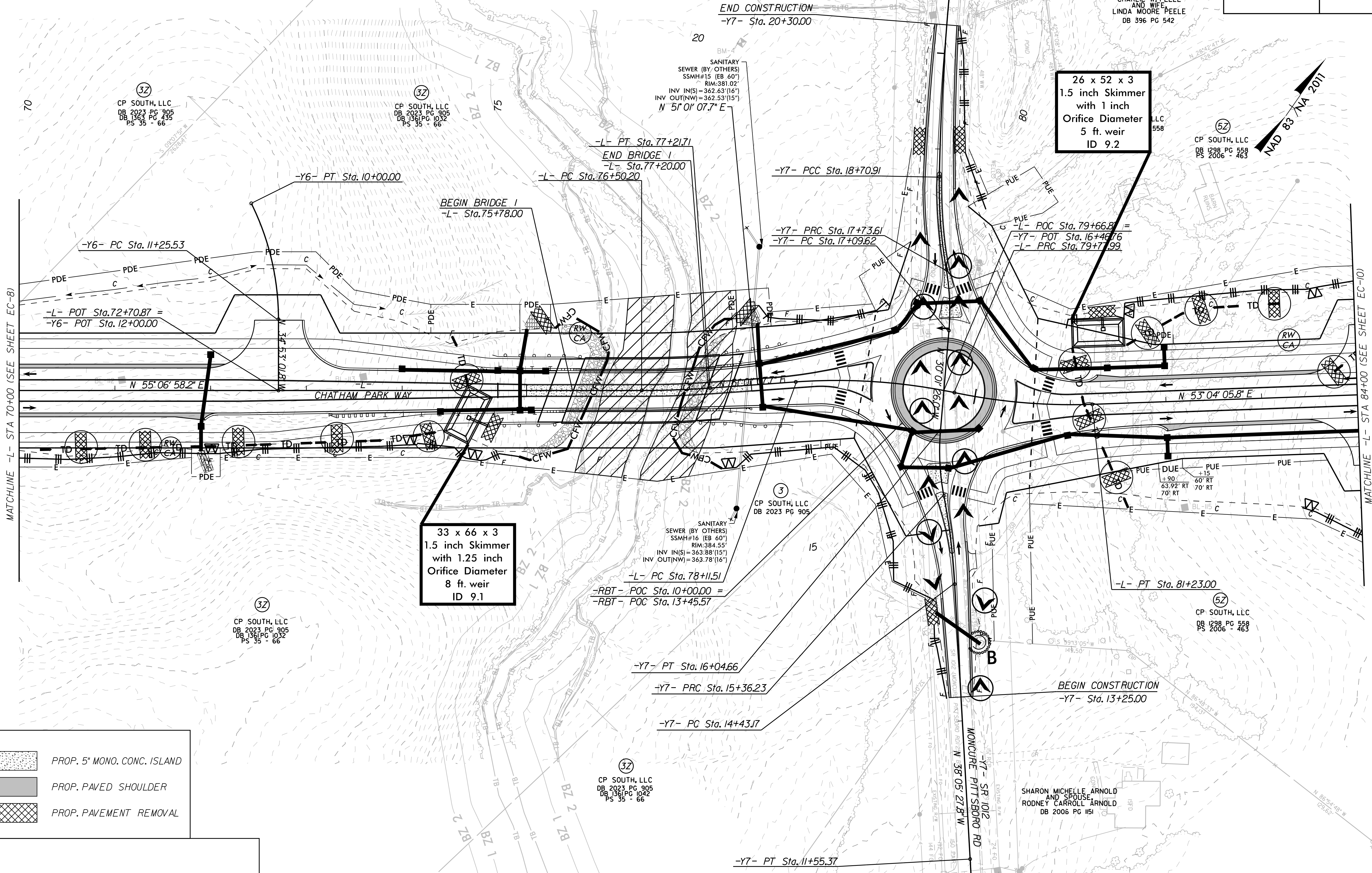
CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 9

CHARLIE W. PEELE
AND WIFE
LINDA MOORE PEELE
DB 338 PG 269

Kimley »Horn
©2025
421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601

RIGHT-OF-WAY REV.
CONST. REV.

PROJECT REFERENCE NO.		SHEET NO.
R-5963A		EC-9/CONST. 9
RW SHEET NO.		
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER



- PROP. 5" MONO. CONC. ISLAND
- PROP. PAVED SHOULDER
- PROP. PAVEMENT REMOVAL

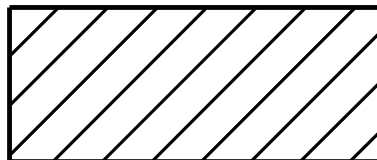
2/18/2025

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REVISIONS

2/18/2025

- PROP. 5" MONO. CONC. ISLAND
- PROP. PAVED SHOULDER
- PROP. PAVEMENT REMOVAL



ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

5Z
CP SOUTH, LLC
DB 1298 PG 558
PS 2006 - 463

5Z
CP SOUTH, LLC
DB 1298 PG 558
PS 2006 - 463

5Z
CP SOUTH, LLC
DB 2006 PG 1155
PS 2006 - 463

5Z
CP SOUTH, LLC
DB 2006 PG 1155
PS 2006 - 463

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

23 x 46 x 3
1.5 inch Skimmer
with 0.875 inch
Orifice Diameter
4 ft. weir
ID 10.1

54 x 27 x 3
1.5 inch Skimmer
with 1.125 inch
Orifice Diameter
5 ft. weir
ID 10.2

56 x 28 x 3
1.5 inch Skimmer
with 1.125 inch
Orifice Diameter
6 ft. weir
ID 10.4

62 x 31 x 3
1.5 inch Skimmer
with 1.250 inch
Orifice Diameter
7 ft. weir
ID 10.3

DAVID C. EVERETTE
AND WIFE
ELOISE M. EVERETTE
DB 483 PG 198

JASON WALDECK AND
SYLVIA R. GEORGE
DB 768 PG 862

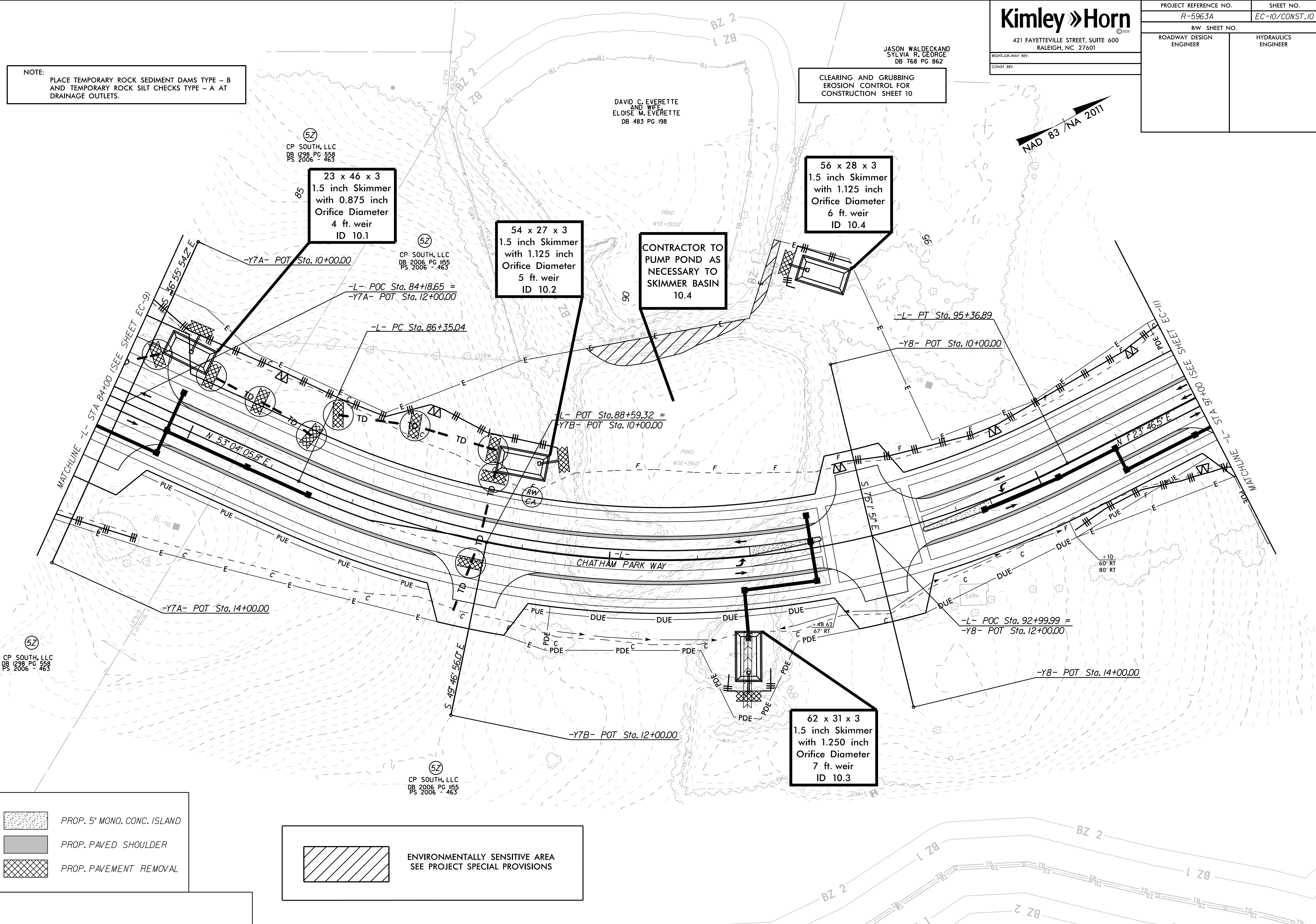
Kimley » Horn

421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601

RIGHT-OF-WAY REV.
CONST. REV.

PROJECT REFERENCE NO.	SHEET NO.
R-5963A	EC-10/CONST.10
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

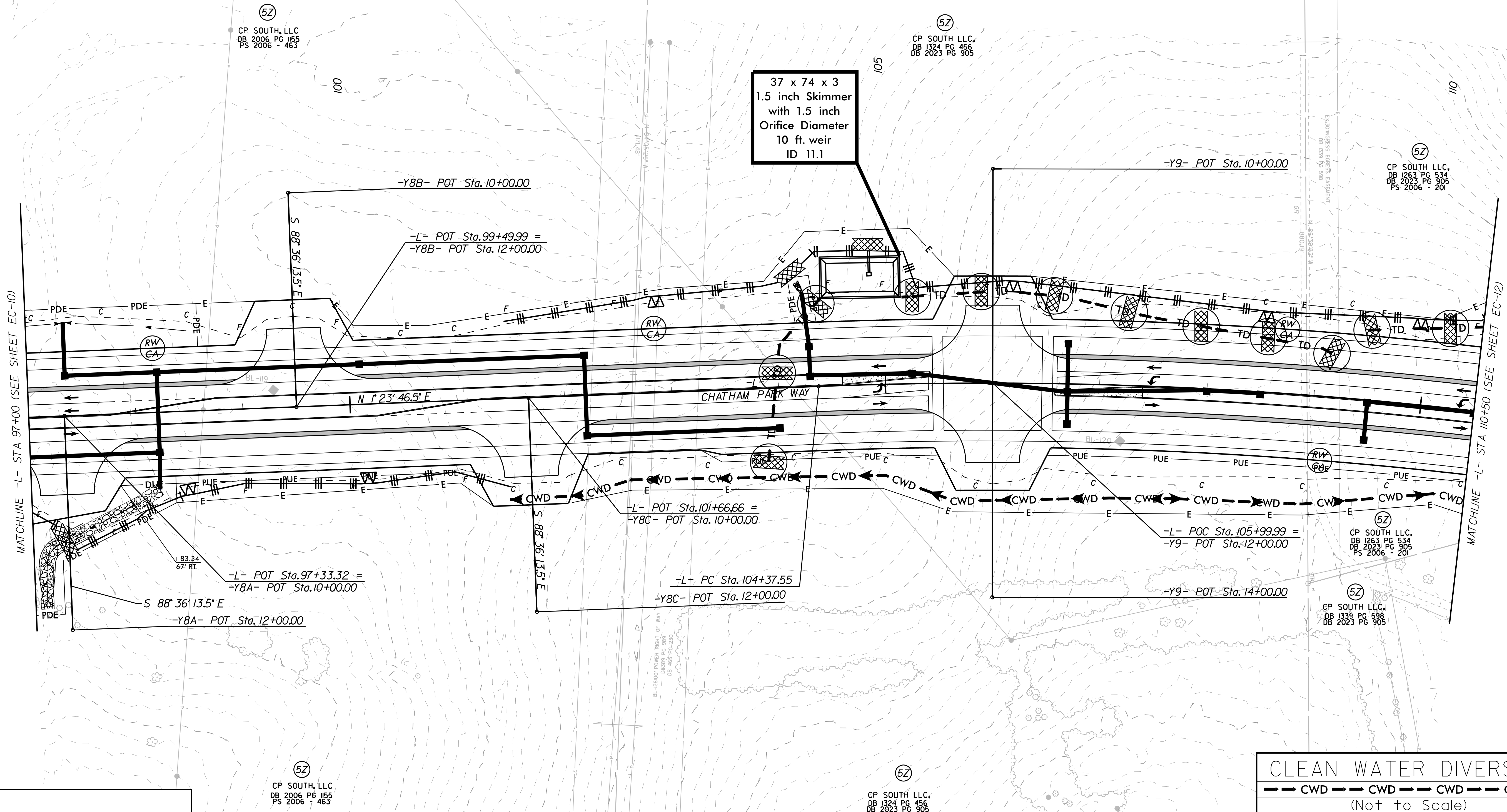
NAD 83 / N.A. 2011



CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 11

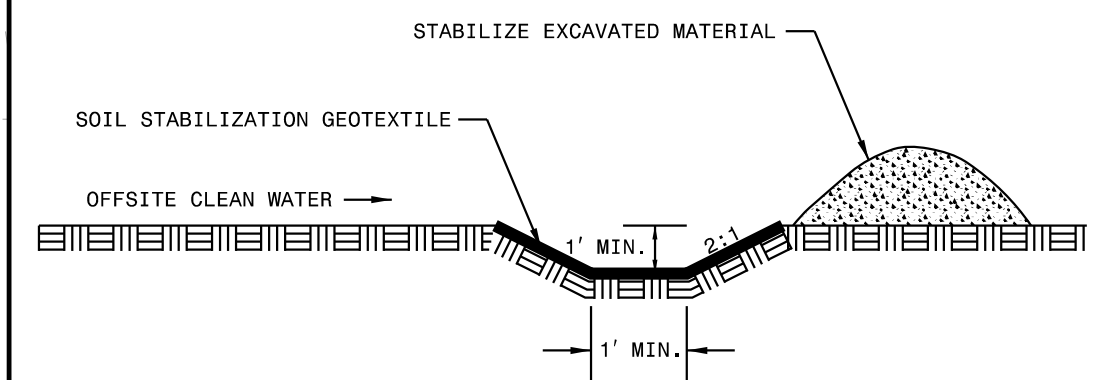
NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

NAD 83 / NA 2011



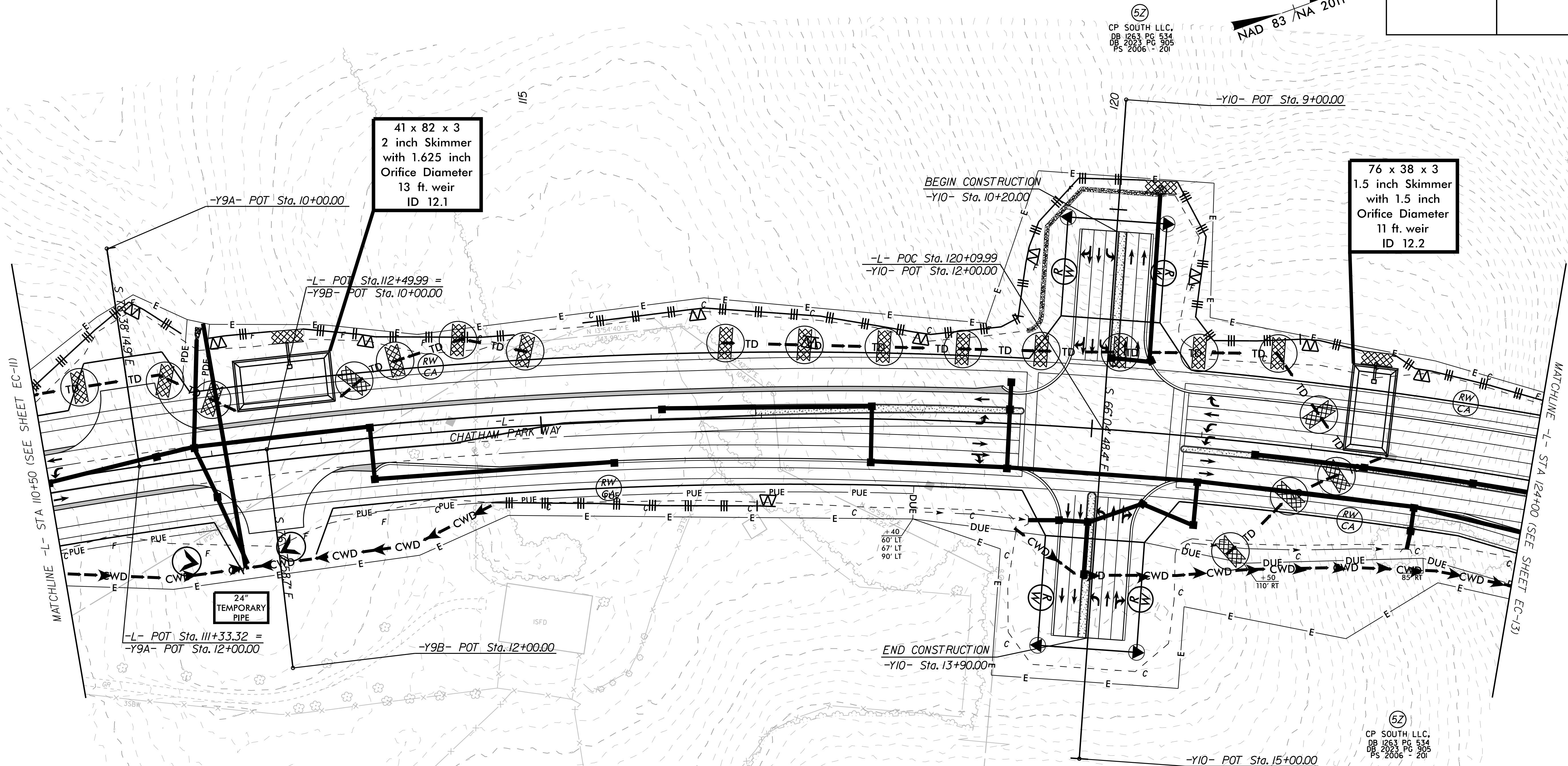
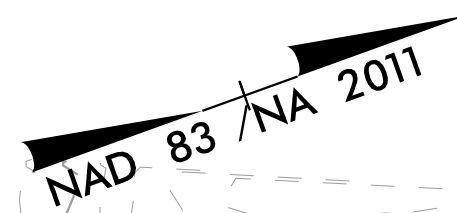
	<i>PROP. 5" MONO. CONC. ISLAND</i>
	<i>PROP. PAVED SHOULDER</i>
	<i>PROP. PAVEMENT REMOVAL</i>

CLEAN WATER DIVERSION
→ → CWD → → CWD → → CWD → → CWD → →
(Not to Scale)



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 12



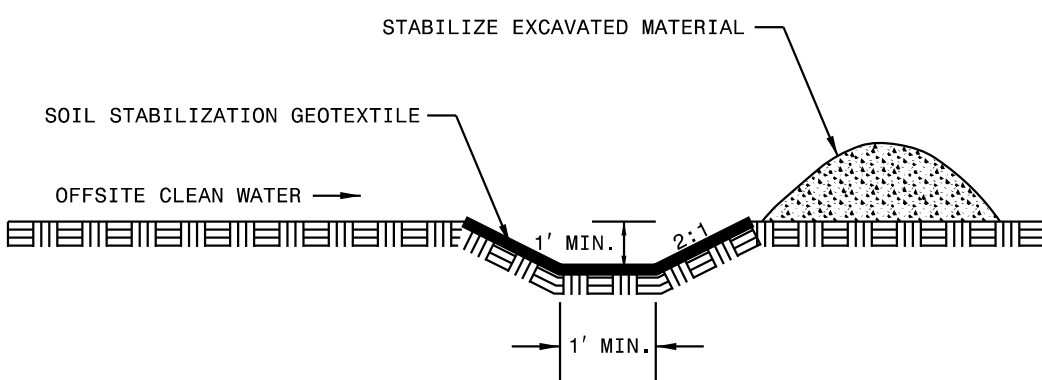




PROP. 5' MONO. CONC. ISLAND
 PROP. PAVED SHOULDER
 PROP. PAVEMENT REMOVAL

SEE SHEET 23 FOR -L- PROFILE

(Not to Scale)



K:\RAL_Roadway\011036734 - R-5963AB&B&E\erosion Control\PSH\CA&R-5963AB&B_ero_psh_13.dgn

REVISIONS

2/18/2025

PROP. 5" MONO. CONC. ISLAND

PROP. PAVED SHOULDER

PROP. PAVEMENT REMOVAL

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

NOTE:
UTILIZE SPEACIAL STILLING BASIN(S) AS NEEDED
THROUGHOUT BRIDGE CONSTRUCTION.

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 13

Kimley » Horn

421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601

RIGHT-OF-WAY REV.
CONST. REV.

PROJECT REFERENCE NO.

R-5963A

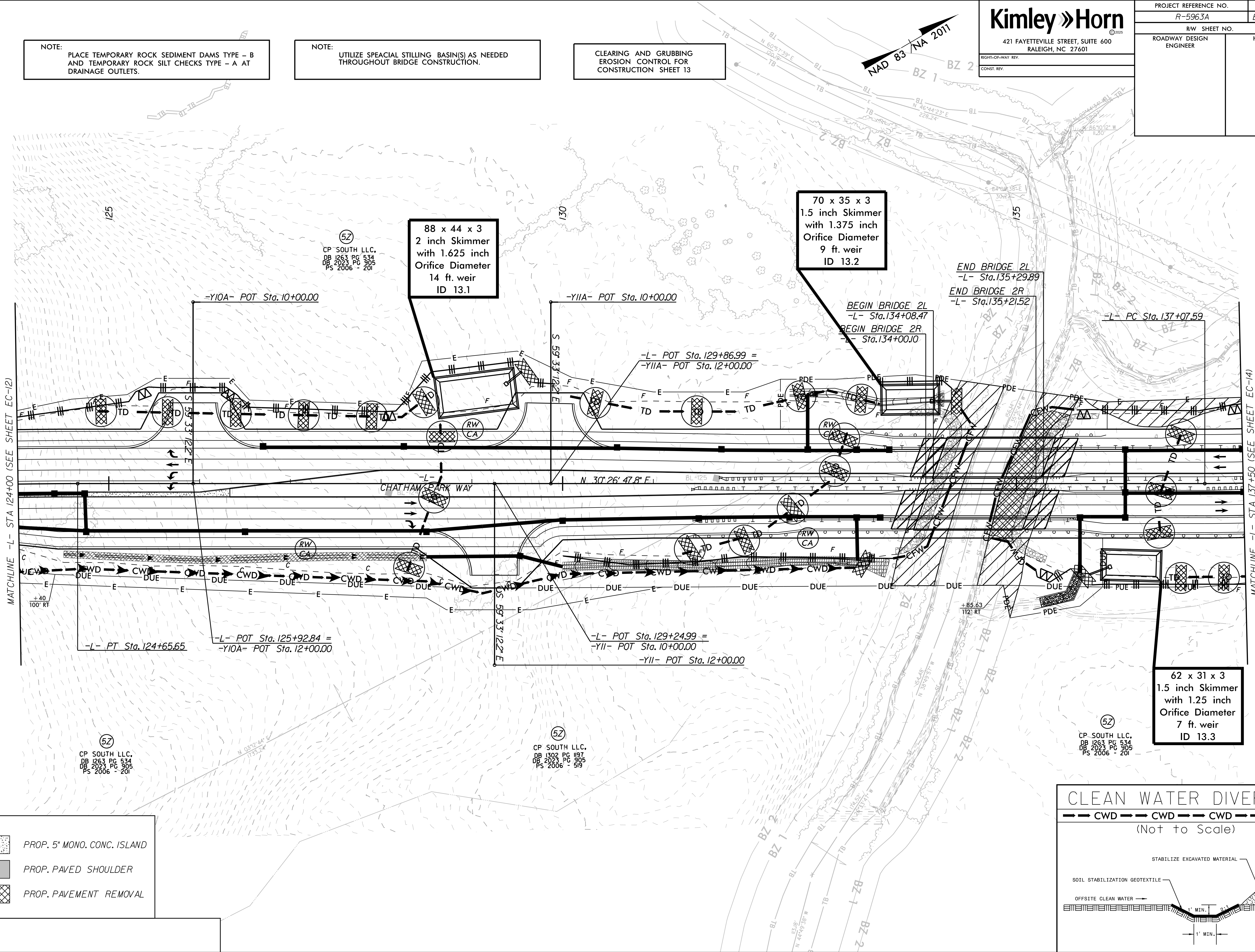
SHEET NO.

EC-13/CONST.13

RW SHEET NO.

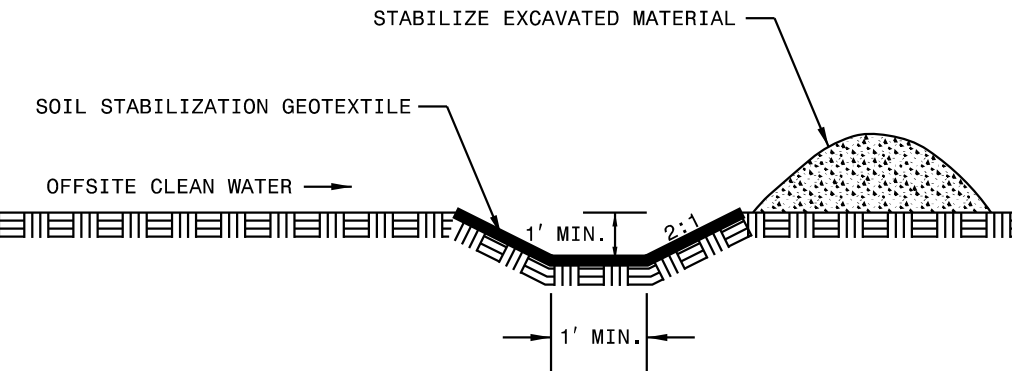
ROADWAY DESIGN
ENGINEER

HYDRAULICS
ENGINEER



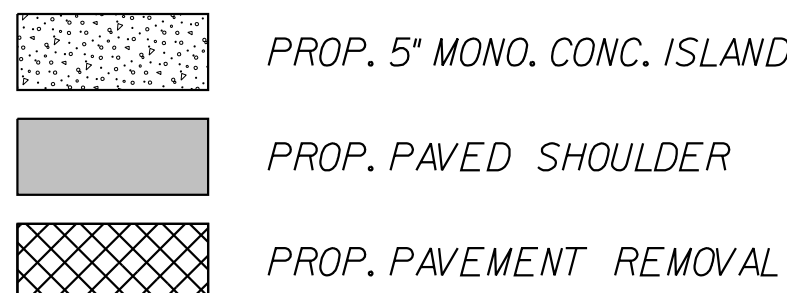
CLEAN WATER DIVERSION

--- CWD --- CWD --- CWD --- CWD ---
(Not to Scale)



CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 14

NAD 83 / NA 2011



K:\RAL_Roadway\010136734 - R-5963A&B\Erosion Control\PSH\CA&R-5963A&B_ero_psh_15.dgn

REVISIONS

2/18/2025

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

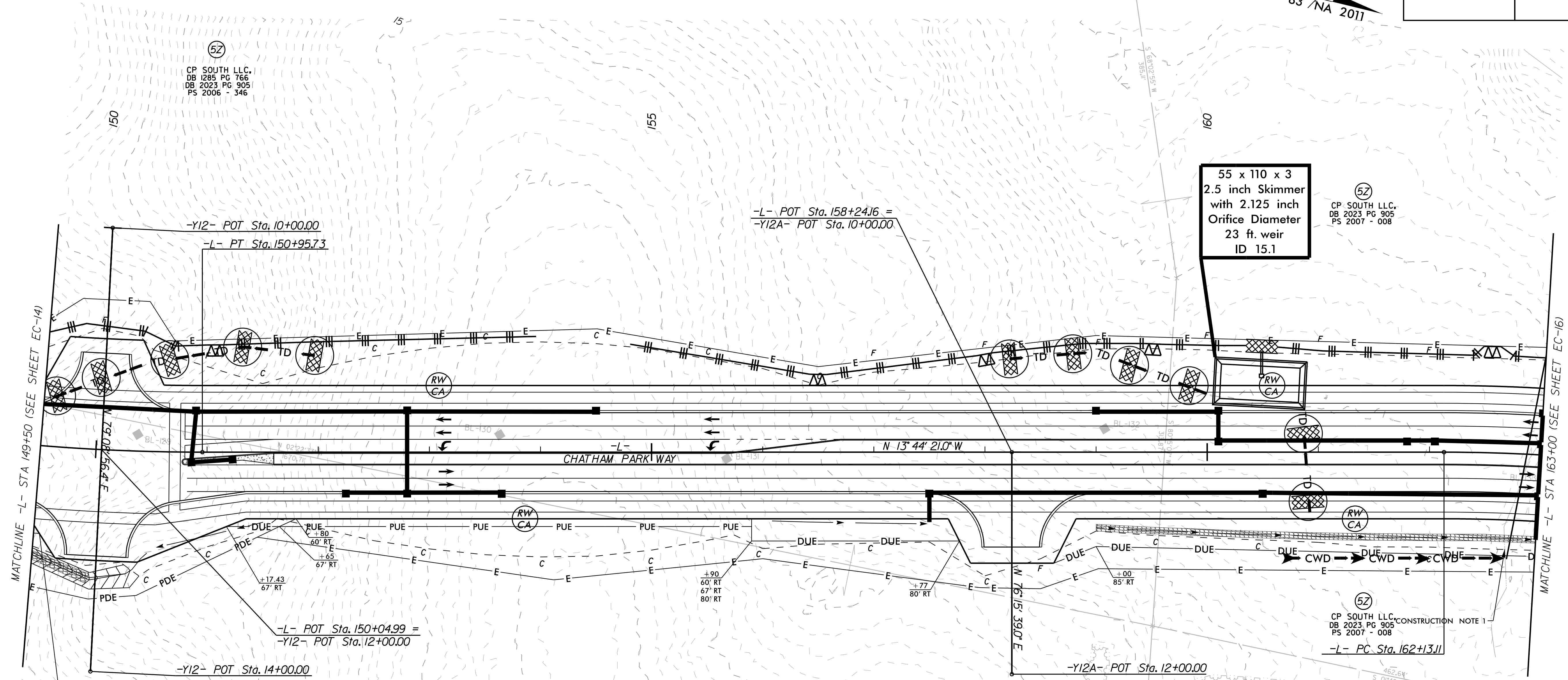
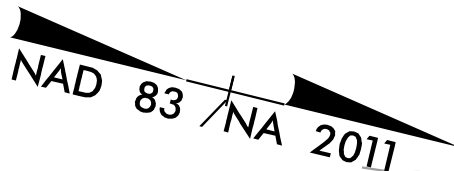
CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 15

Kimley » Horn

421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601

RIGHT-OF-WAY REV.
CONST. REV.

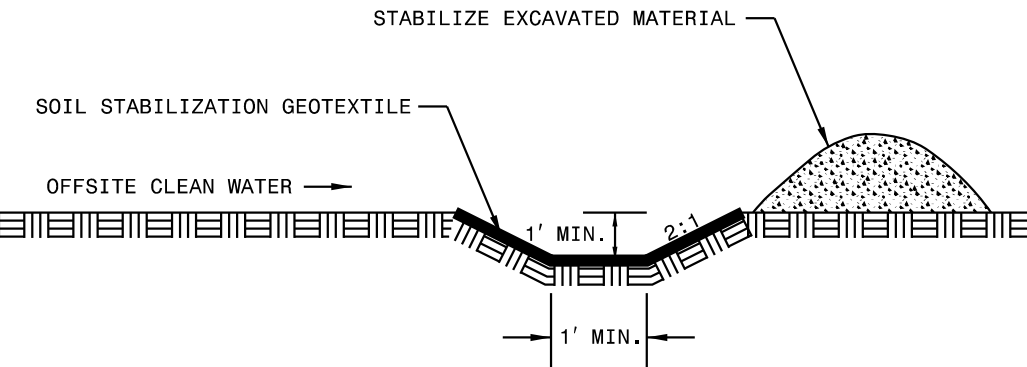
PROJECT REFERENCE NO.	SHEET NO.
R-5963A	EC-15/CONST.15
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



- PROP. 5" MONO. CONC. ISLAND
- PROP. PAVED SHOULDER
- PROP. PAVEMENT REMOVAL

CLEAN WATER DIVERSION

--- CWD --- CWD --- CWD --- CWD ---
(Not to Scale)



TIMOTHY SCOTT WHITE
DB 653 PG 1066
PS 94 - 434

K:\RAL_Roadway\011036734 - R-5963A&B\ERosion Control\PSH\CA&R-5963A&B_ero_psh.l6dgn

REVISIONS

2/18/2025

- PROP. 5" MONO. CONC. ISLAND
- PROP. PAVED SHOULDER
- PROP. PAVEMENT REMOVAL

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

40 x 80 x 3
2 inch Skimmer
with 1.625 inch
Orifice Diameter
12 ft. weir
ID 16.1

78 x 39 x 3
2 inch Skimmer
with 1.625 inch
Orifice Diameter
11 ft. weir
ID 16.2

24 INCH
TEMPORARY
PIPE

66 x 33 x 3
1.5 inch Skimmer
with 1.25 inch
Orifice Diameter
8 ft. weir
ID 16.3

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 16

Kimley » Horn

421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601

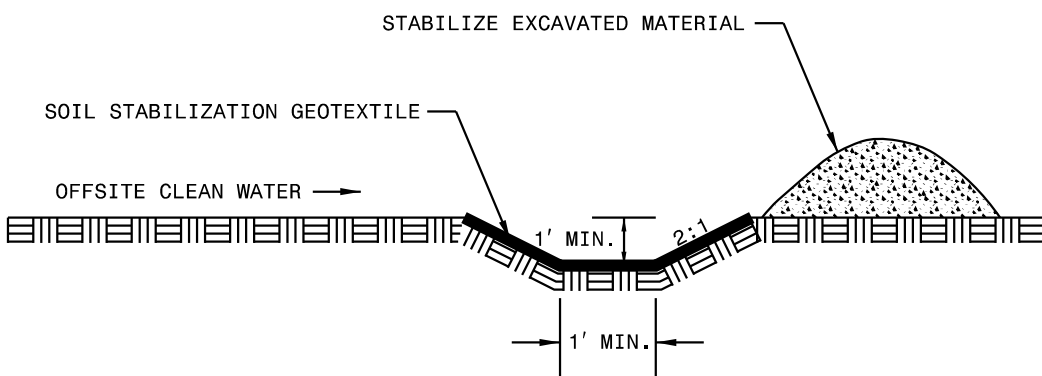
RIGHT-OF-WAY REV.
CONST. REV.

PROJECT REFERENCE NO.	SHEET NO.
R-5963A	EC-16/CONST.16
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MATCHLINE -L- STA 175+50 (SEE SHEET EC-17)

CLEAN WATER DIVERSION

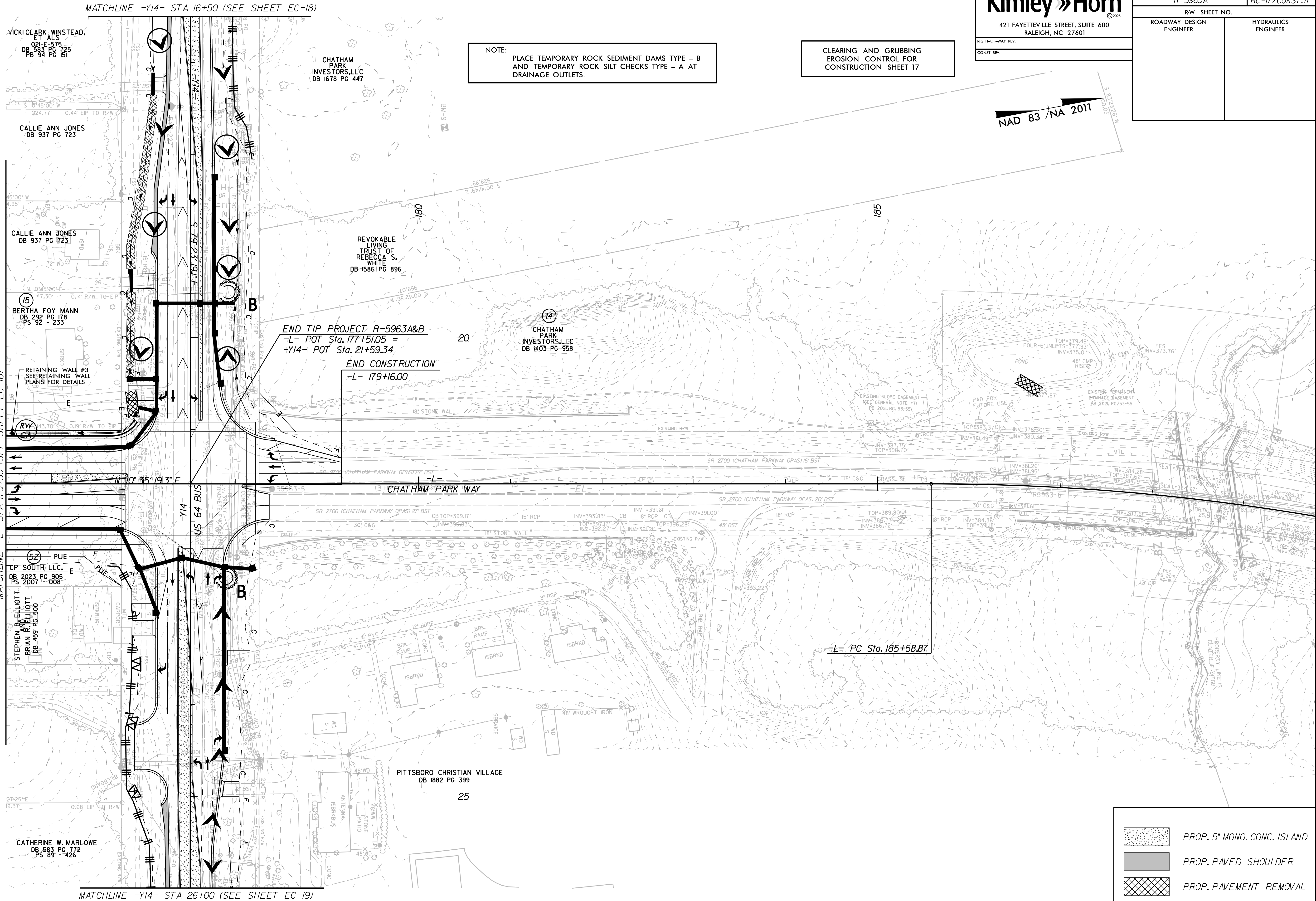
--- CWD --- CWD --- CWD --- CWD ---
(Not to Scale)



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REVISIONS

2/18/2025



K:\RAL_Roadway\011036734 - R-596348\B&B\Erosion Control\PSH\CH&R-596348B_ero_psh.l8dgn

REVISIONS

2/18/2025

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 18

Kimley » Horn

421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601

RIGHT-OF-WAY REV.
CONST. REV.

PROJECT REFERENCE NO.

R-5963A

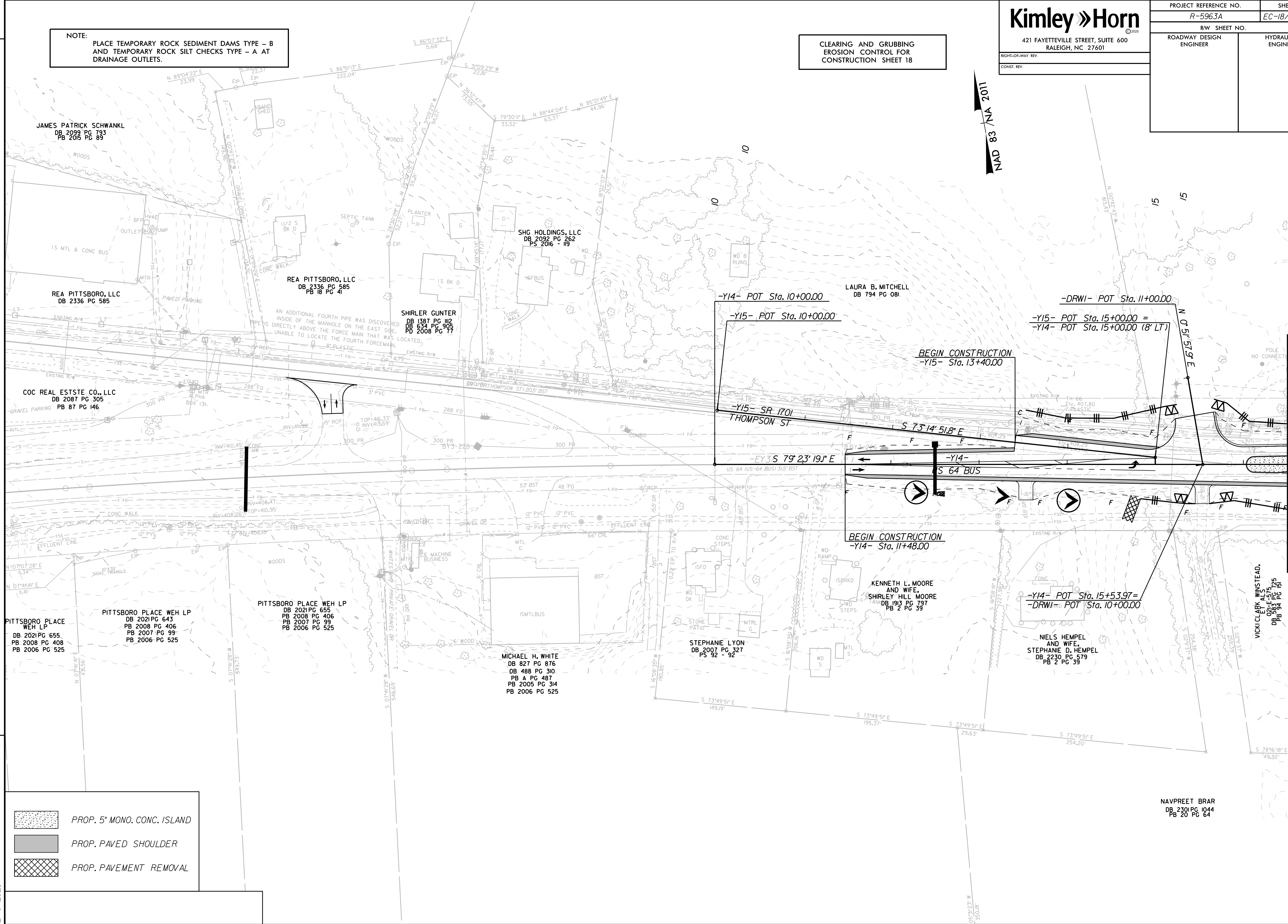
SHEET NO.

EC-18/CONST.18

R/W SHEET NO.

ROADWAY DESIGN
ENGINEER

HYDRAULICS
ENGINEER



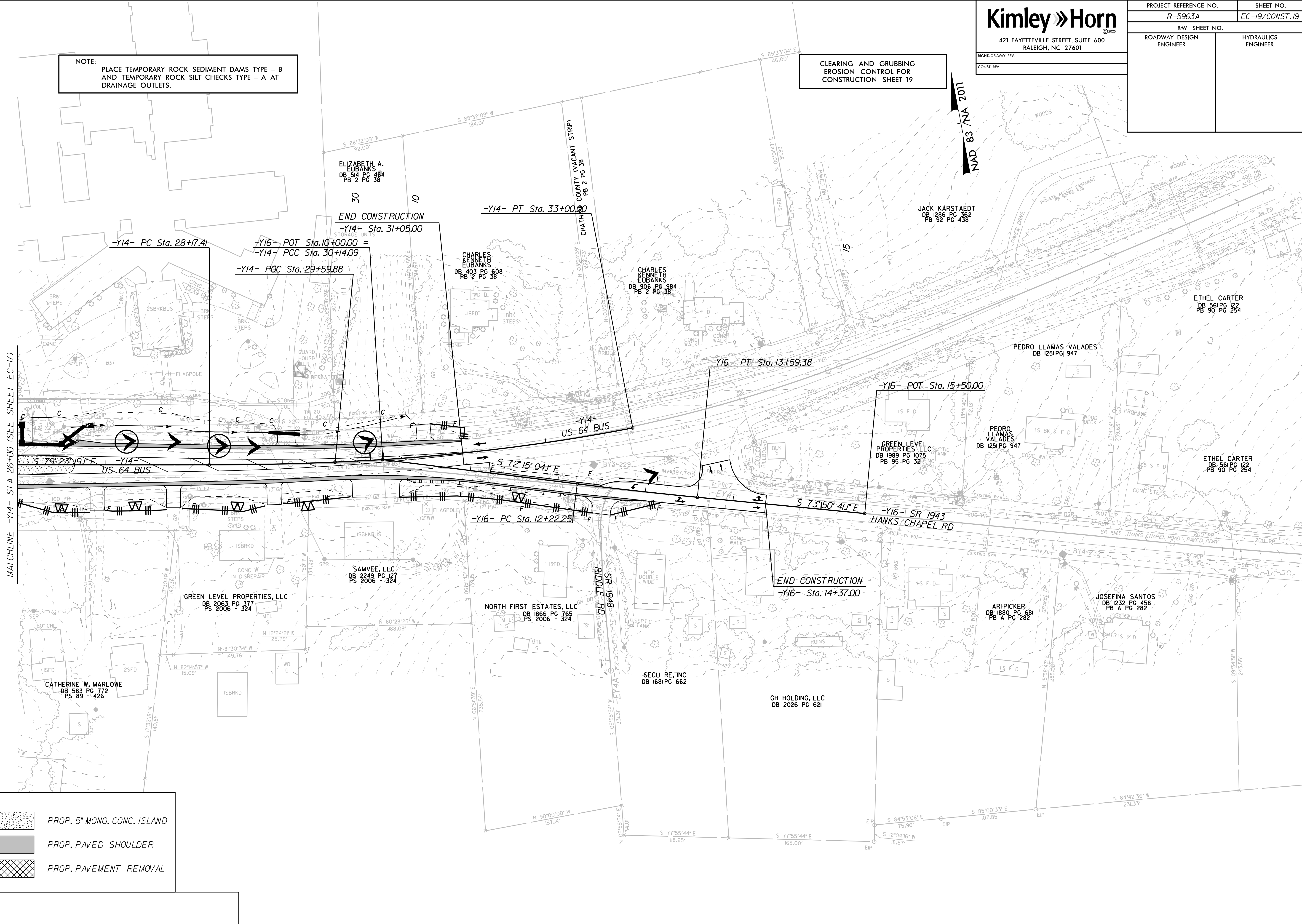
NAVPREET BRAR
DB 2301 PG 1044
PB 20 PG 64

K:\RAL_Roadway\011036734 - R-59634&B&E\rosion Control\PSHC&R-59634&B_ero_psh.19dgn

REVISIONS

2/18/2025

- PROP. 5" MONO. CONC. ISLAND
- PROP. PAVED SHOULDER
- PROP. PAVEMENT REMOVAL



Kimley » Horn

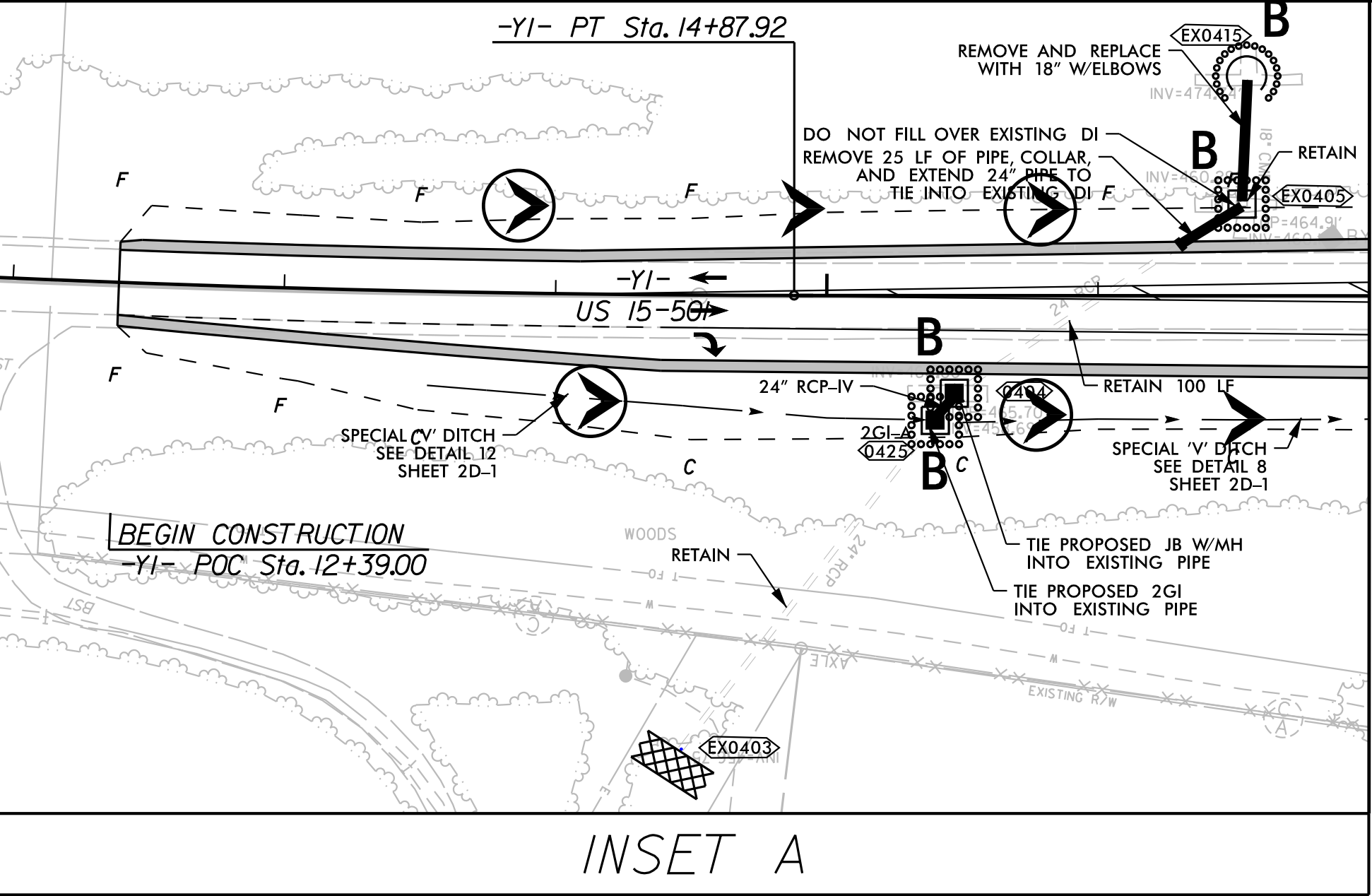
421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601

RIGHT-OF-WAY REV.
CONST. REV.

PROJECT REFERENCE NO.	SHEET NO.
R-5963A	EC-19/CONST.19
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

5/14/99

-YI- PT Sta. 14+87.92



INSET A

JEFFREY THOMAS WILLIAMS
DB 683 PG 975

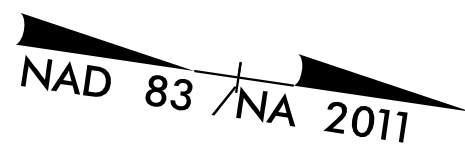
FINAL
EROSION CONTROL FOR
CONSTRUCTION SHEET 4

Kimley » Horn

421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601
PE NO. F-0102

RIGHT-OF-WAY REV.
CONST. REV.

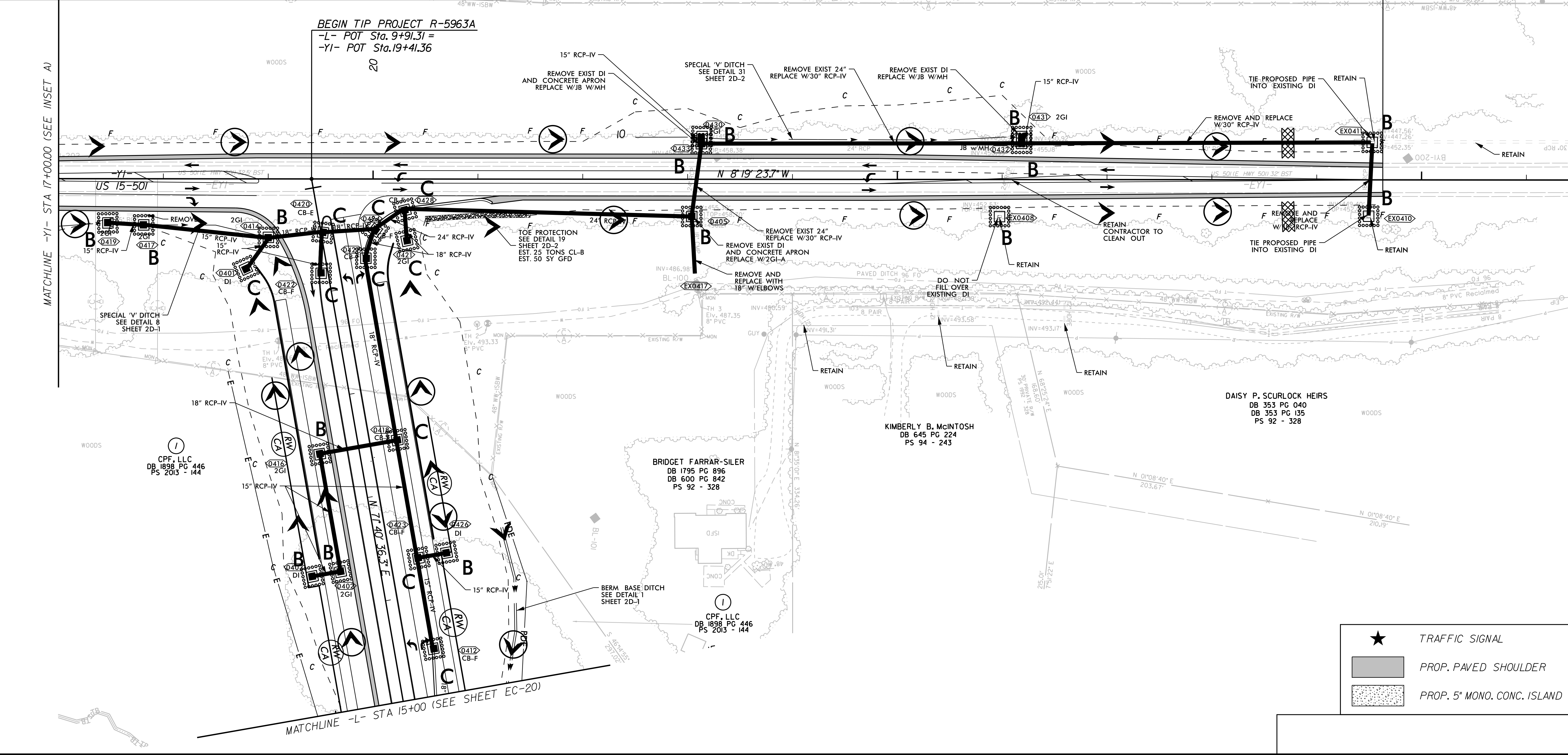
PROJECT REFERENCE NO.		SHEET NO.
R-5963A		EC-20/CONST. 4
RW SHEET NO.		
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER



HERMAN RAY DOWDY
AND WIFE
CLARISSA G. DOWDY
DB 529 PG 578
PS 88 - 228

END CONSTRUCTION
-YI- POT Sta. 29+63.00

BEGIN TIP PROJECT R-5963A
-L- POT Sta. 9+91.31 =
-YI- POT Sta. 19+41.36



DAISY P. SCURLOCK HEIRS
DB 353 PG 040
DB 353 PG 135
PS 92 - 328

KIMBERLY B. MCINTOSH
DB 645 PG 224
PS 94 - 243

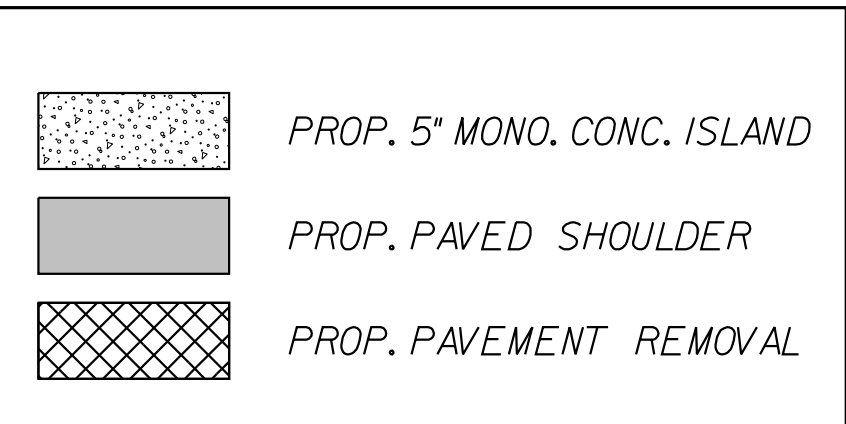
BRIDGET FARRAR-SILER
DB 1795 PG 896
DB 600 PG 842
PS 92 - 328

CPF, LLC
DB 1898 PG 446
PS 2013 - 144

- ★ TRAFFIC SIGNAL
- PROP. PAVED SHOULDER
- PROP. 5" MONO. CONC. ISLAND

NAD 83 / NA 2011

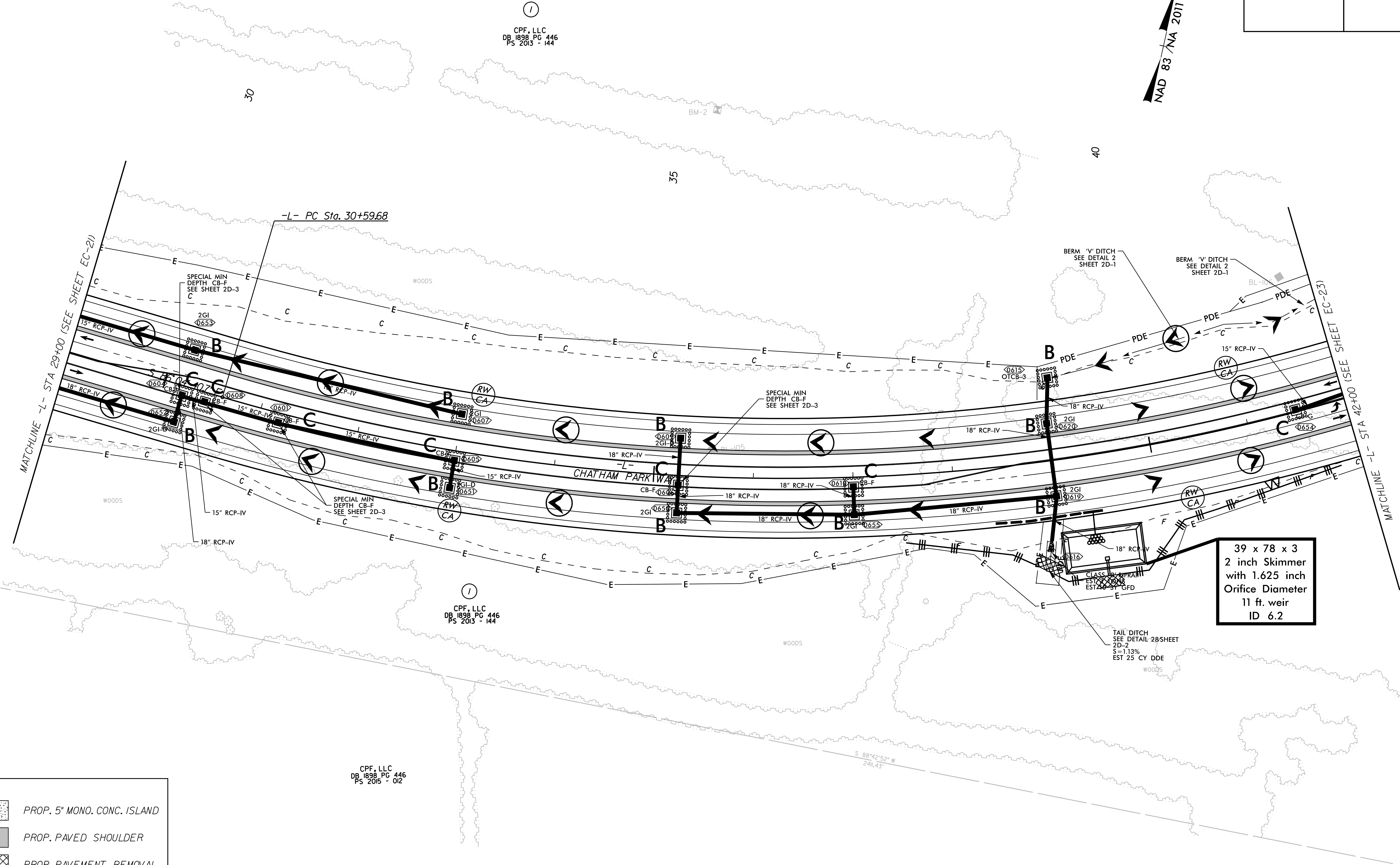
CPF, LLC
DB 1898 PG 446
PS 2013 - 144



REVISIONS

3/19/2025

NAD 83 / NA 2011



PROP. 5" MONO. CONC. ISLAND
PROP. PAVED SHOULDER
PROP. PAVEMENT REMOVAL

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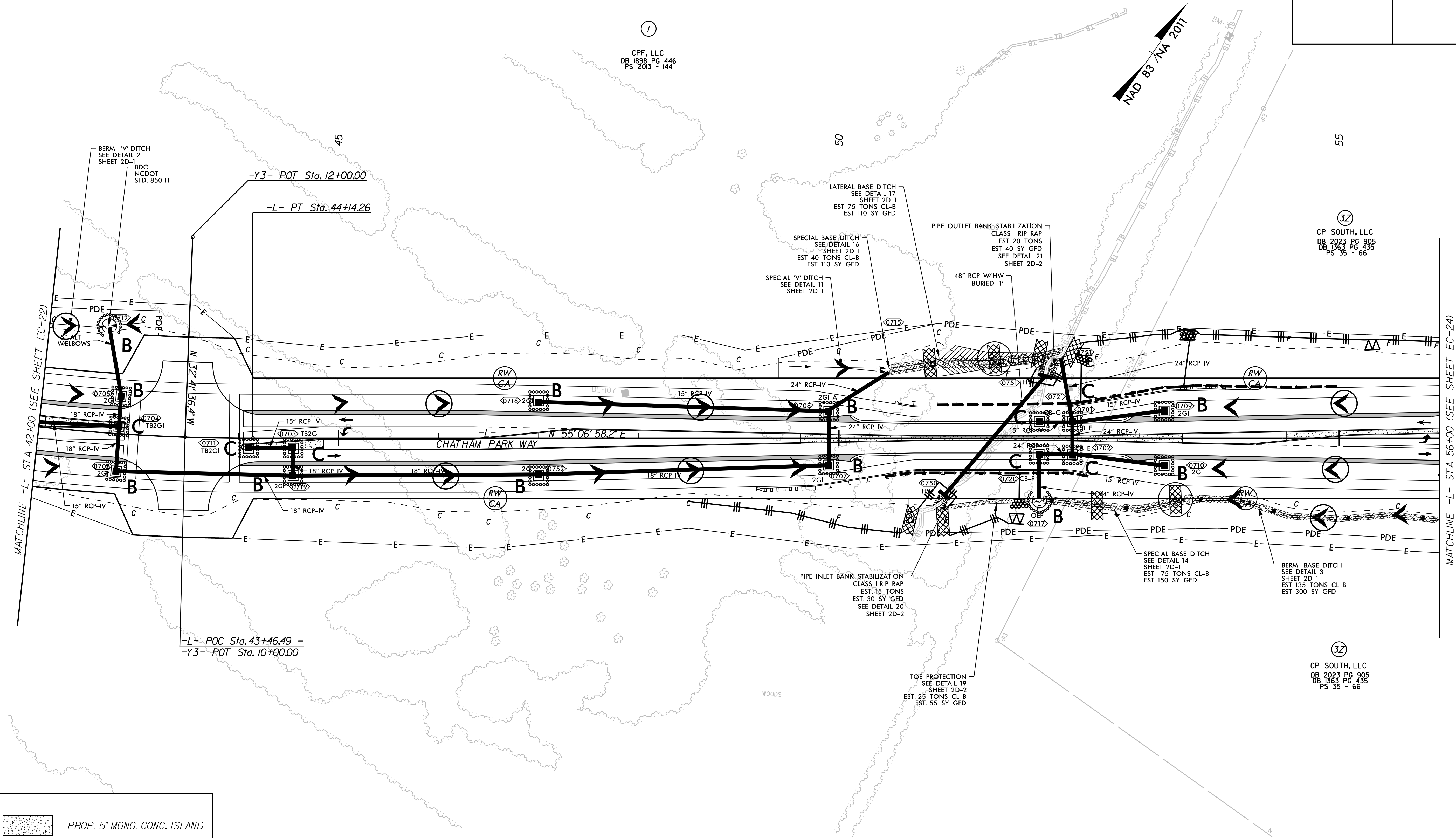
REVISIONS

2/18/2025

K:\RAL_Roadway\01036734 - R-5963A&B\ERosion Control\PSHF\NALR-5963A&B_ero_psh_23.dgn

REVISIONS

2/18/2025



- PROP. 5" MONO. CONC. ISLAND
- PROP. PAVED SHOULDER
- PROP. PAVEMENT REMOVAL

CPF, LLC
DB 1898 PG 446
PS 2013 - 144

CPF, LLC
DB 1898 PG 446
PS 2013 - 144

CP SOUTH, LLC
DB 2023 PG 905
DB 1363 PG 435
PS 35 - 66

CP SOUTH, LLC
DB 2023 PG 905
DB 1363 PG 435
PS 35 - 66

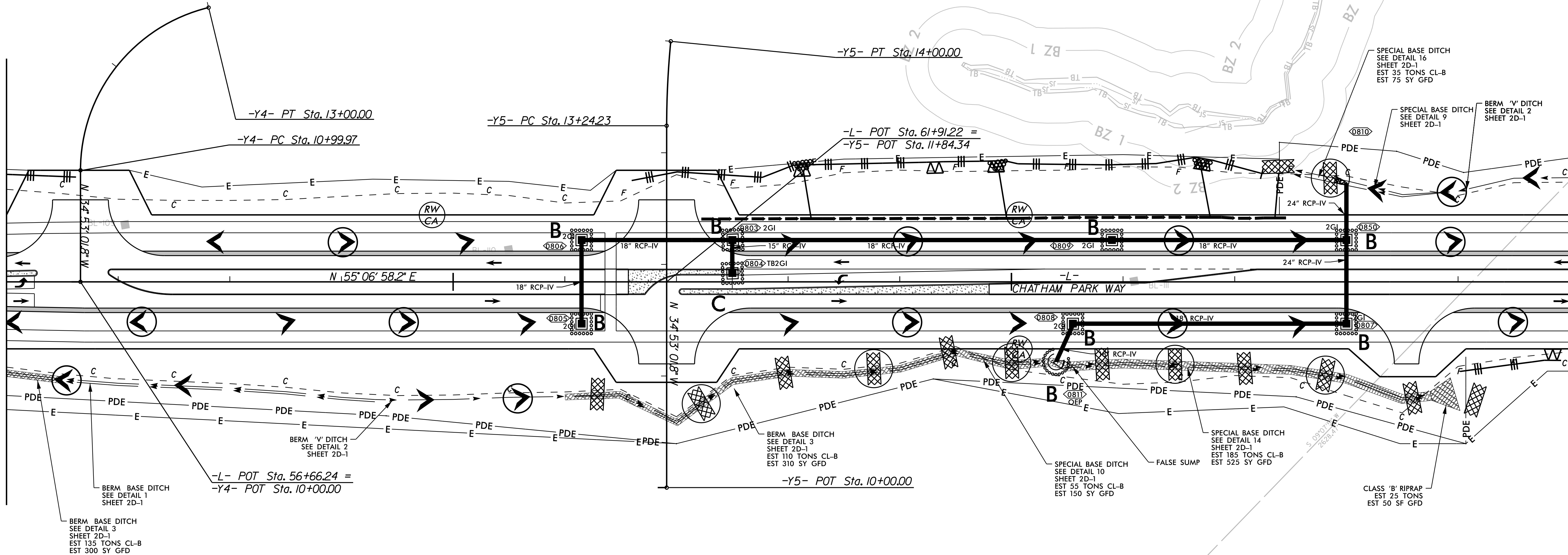
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REVISIONS

2/18/2025

- PROP. 5" MONO. CONC. ISLAND
- PROP. PAVED SHOULDER
- PROP. PAVEMENT REMOVAL

MATCHLINE -L- STA 56+00 (SEE SHEET EC-23)



CP SOUTH, LLC
DB 2023 PG 905
DB 1363 PG 435
PS 35 - 66

FINAL
EROSION CONTROL FOR
CONSTRUCTION SHEET 8

Kimley » Horn

421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601

RIGHT-OF-WAY REV.
CONST. REV.

PROJECT REFERENCE NO.

R-5963A

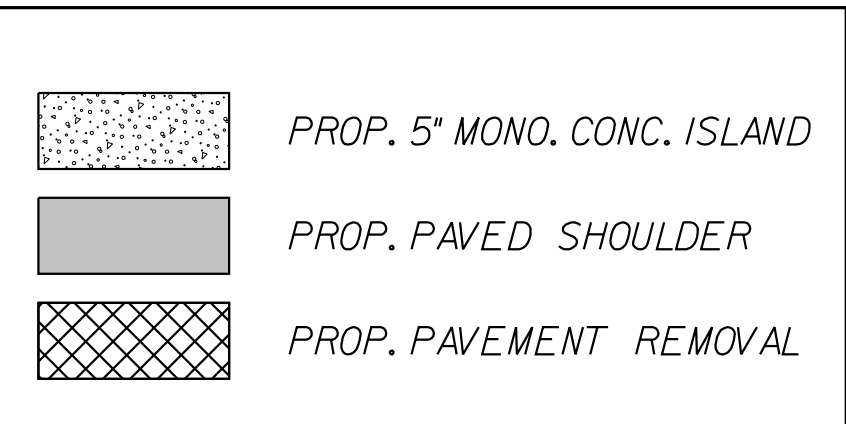
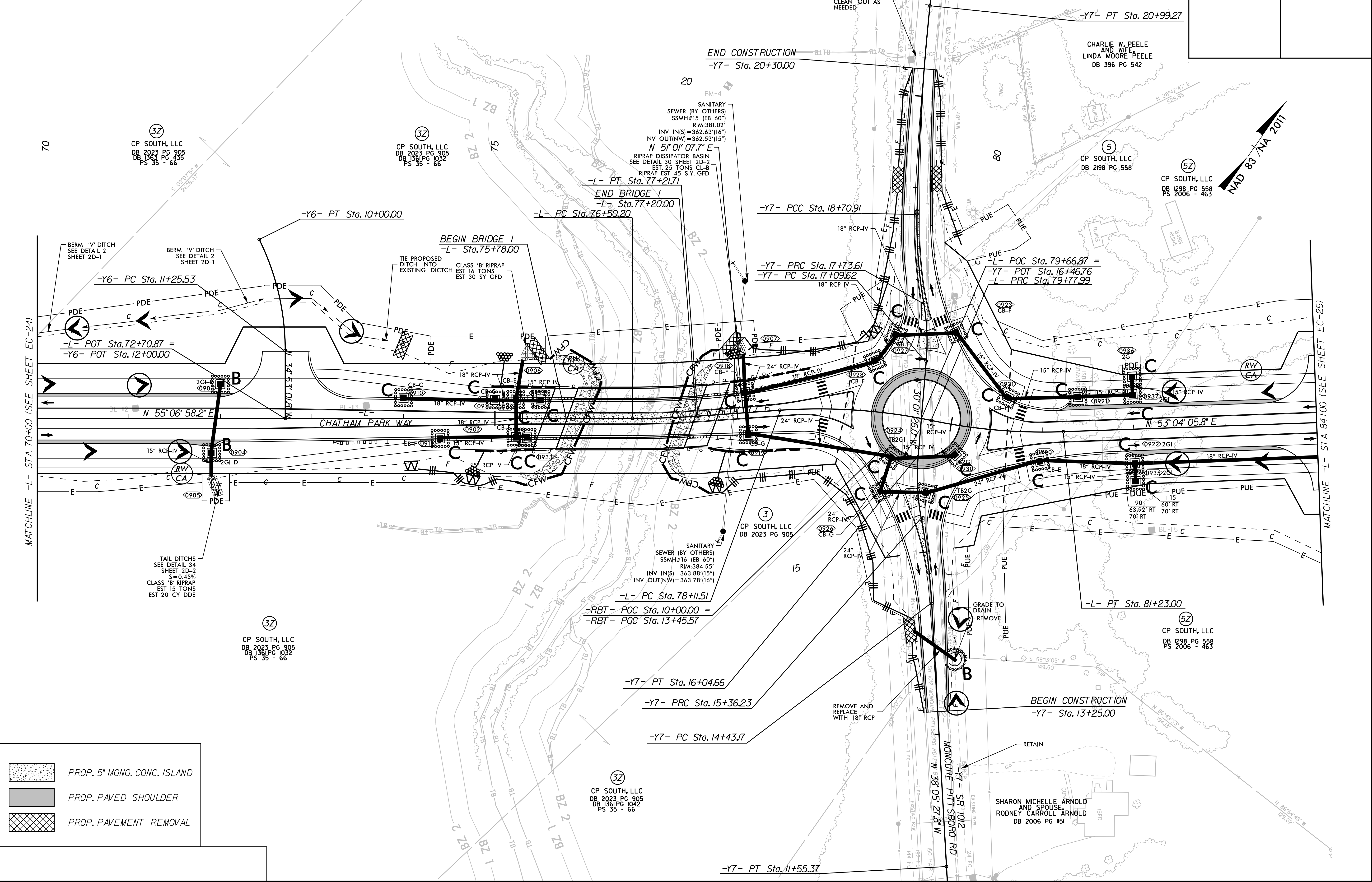
SHEET NO.

EC-24/CONST.8

R/W SHEET NO.

ROADWAY DESIGN
ENGINEER

HYDRAULICS
ENGINEER



K:\RAL_Roadway\01036734 - R-5963A&B&C&D&Erosion Control\PSHF\NALR-5963A&B_ero_psh_25.dgn

REVISIONS

2/18/2025

-Y9- POT Sta. 10+00.00

37 x 74 x 3
1.5 inch Skimmer
with 1.5 inch
Orifice Diameter
10 ft. weir
ID 11.1

-Y8B- POT Sta. 10+00.00

$$\frac{-L - POT \text{ Sta. } 99+49.99}{-Y8B - POT \text{ Sta. } 12+00.00}$$

~~-L- POT Sta. 101+66.66 =~~
~~-Y8C- POT Sta. 10+00.00~~

-L- PC Sta. 104+37.55
-Y8C- POT Sta. 12+00.00

$$\frac{-L- \text{POC Sta. } 105+99.99}{-Y9- \text{POT Sta. } 12+00.00}$$

-Y9- POT Sta. 14+00.00

STATIONING -1- STA 97+00 (SEE SHEET EC-26)

MATCHLINE -L- STA 110+50 (SEE SHEET EC-28)

SPECIAL 'V' DITCH
SEE DETAIL 12
SHEET 2D-1

SPECIAL 'V' DITCH
SEE DETAIL 12
SHEET 2D-1

SPECIAL V' DITCH
CLASS 1 RIP RAP
- EST. 45 TONS
EST 100 SY GFD
SEE DETAIL
13SHEET 2D-1

$-L- POT Sta. 97+33.32 =$
 $-Y8A- POT Sta. 10+00.00$

STANDARD 'V' DITCH/TAIL DITCH
CLASS I RIP RAP
EST. 60 TONS
EST. 130 SY GFD
SEE DETAIL 29/SHEET 2D-2

 *PROP. 5' MONO. CONC. ISLAND*
 *PROP. PAVED SHOULDER*
 *PROP. PAVEMENT REMOVAL*

CP SOUTH, LLC
DB 2006 PG 1155
PS 2006 - 463

CP SOUTH LLC.
DB 1324 PG 456
DB 2023 PG 905

CP SOUTH LLC.
DB 1263 PG 534
DB 2023 PG 905
PS 2006 - 201

CP SOUTH LLC.
DB 1339 PG 598
DB 2023 PG 905

CP SOUTH LLC,
DB 1263 PG 534
DB 2023 PG 905
PS 2006 - 201

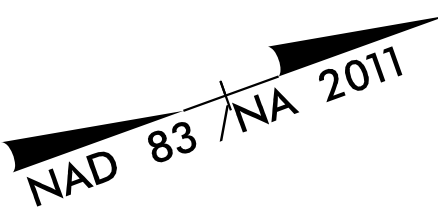
CP SOUTH LLC.
DB 1324 PG 456
DB 2023 PG 905

CP SOUTH, LLC
DB 2006 PG 1155
PS 2006 - 463

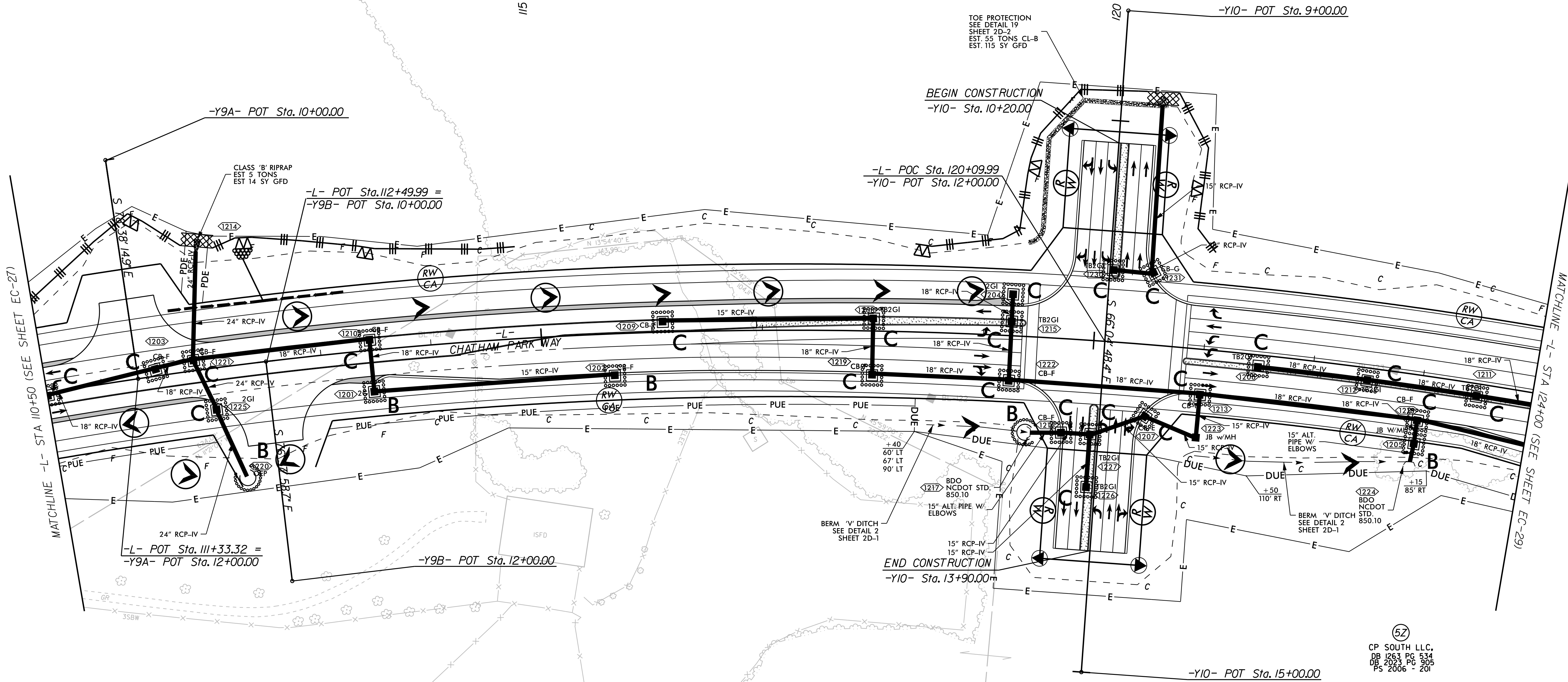
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REVISIONS

2/18/2025



52
CP SOUTH LLC,
DB 1263 PG 534
DB 2023 PG 905
PS 2006 - 201



52
CP SOUTH LLC,
DB 1263 PG 534
DB 2023 PG 905
PS 2006 - 201

- PROP. 5" MONO. CONC. ISLAND
- PROP. PAVED SHOULDER
- PROP. PAVEMENT REMOVAL

SEE SHEET 23 FOR -L- PROFILE

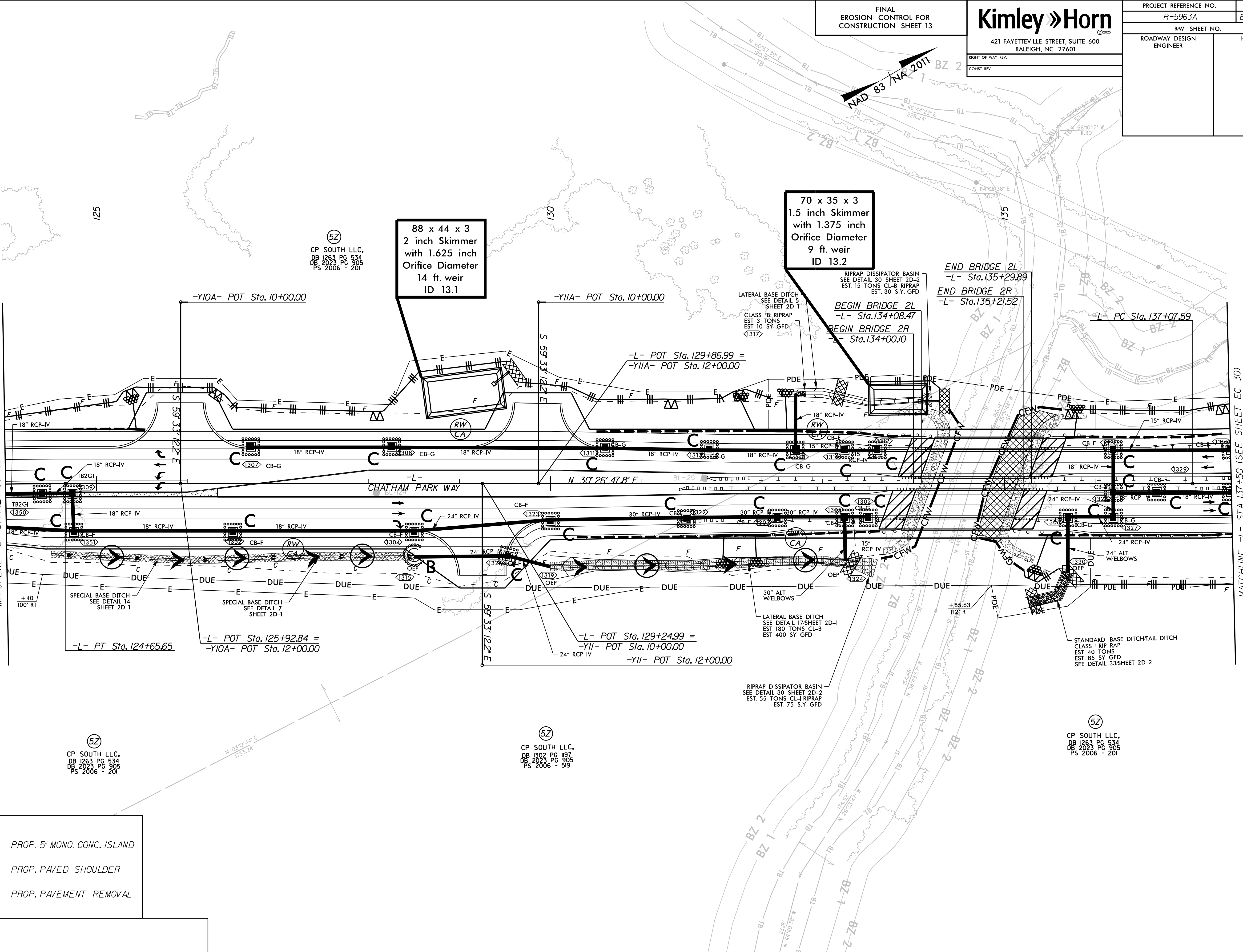
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REVISIONS

2/18/2025

- PROP. 5" MONO. CONC. ISLAND
- PROP. PAVED SHOULDER
- PROP. PAVEMENT REMOVAL

MATCHLINE -L- STA 124+00 (SEE SHEET EC-28)



5Z
CP SOUTH LLC,
DB 1263 PG 534
DB 2023 PG 305
PS 2006 - 201

5Z
CP SOUTH LLC,
DB 1302 PG 197
DB 2023 PG 305
PS 2006 - 519

5Z
CP SOUTH LLC,
DB 1263 PG 534
DB 2023 PG 305
PS 2006 - 201

FINAL
EROSION CONTROL FOR
CONSTRUCTION SHEET 13

Kimley » Horn

421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601

RIGHT-OF-WAY REV.
CONST. REV.

PROJECT REFERENCE NO.

R-5963A

SHEET NO.

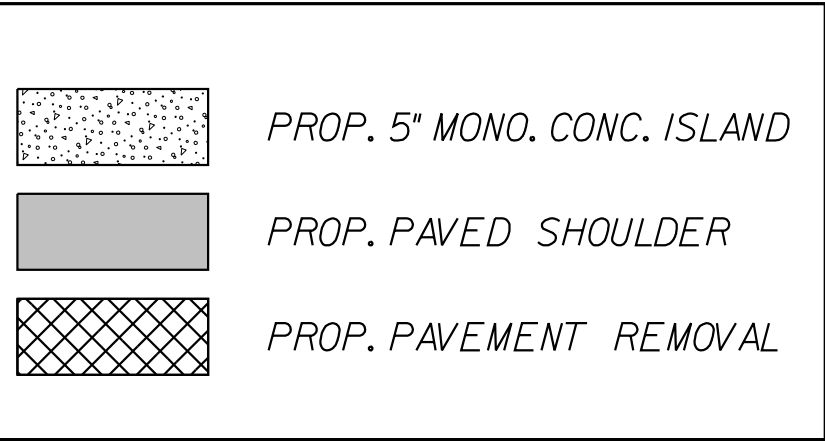
EC-29/CONST.13

R/W SHEET NO.

ROADWAY DESIGN
ENGINEER

HYDRAULICS
ENGINEER

MATCHLINE -L- STA 137+50 (SEE SHEET EC-30)

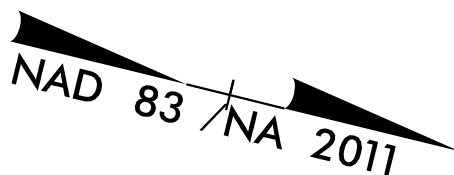


FINAL
EROSION CONTROL FOR
CONSTRUCTION SHEET 15

Kimley » Horn
©2025
421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601

RIGHT-OF-WAY REV.
CONST. REV.

PROJECT REFERENCE NO.	SHEET NO.
R-5963A	EC-31/CONST.15
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



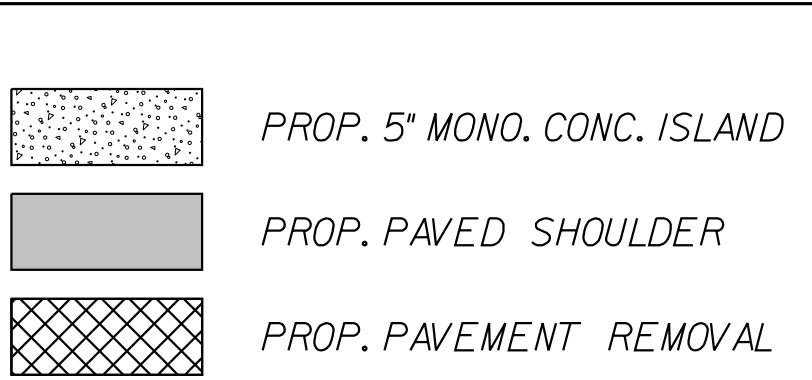
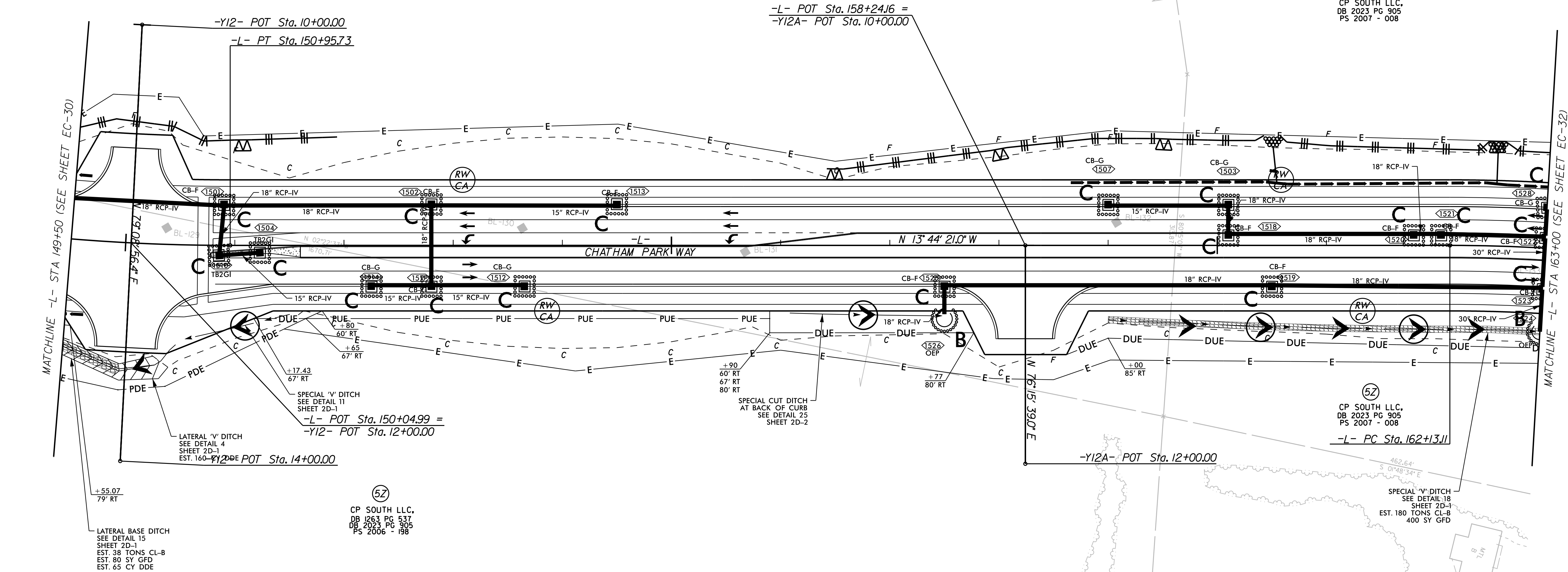
57
CP SOUTH LLC,
DB 1285 PG 766
DB 2023 PG 905
PS 2006 - 346

57
CP SOUTH LLC,
DB 2023 PG 905
PS 2007 - 008

57
CP SOUTH LLC,
DB 2023 PG 905
PS 2007 - 008

57
CP SOUTH LLC,
DB 1263 PG 537
DB 2023 PG 905
PS 2006 - 198

TIMOTHY SCOTT WHITE
DB 653 PG 1066
PS 94 - 434



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REVISIONS

3/19/2025

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REVISIONS

2/18/2025

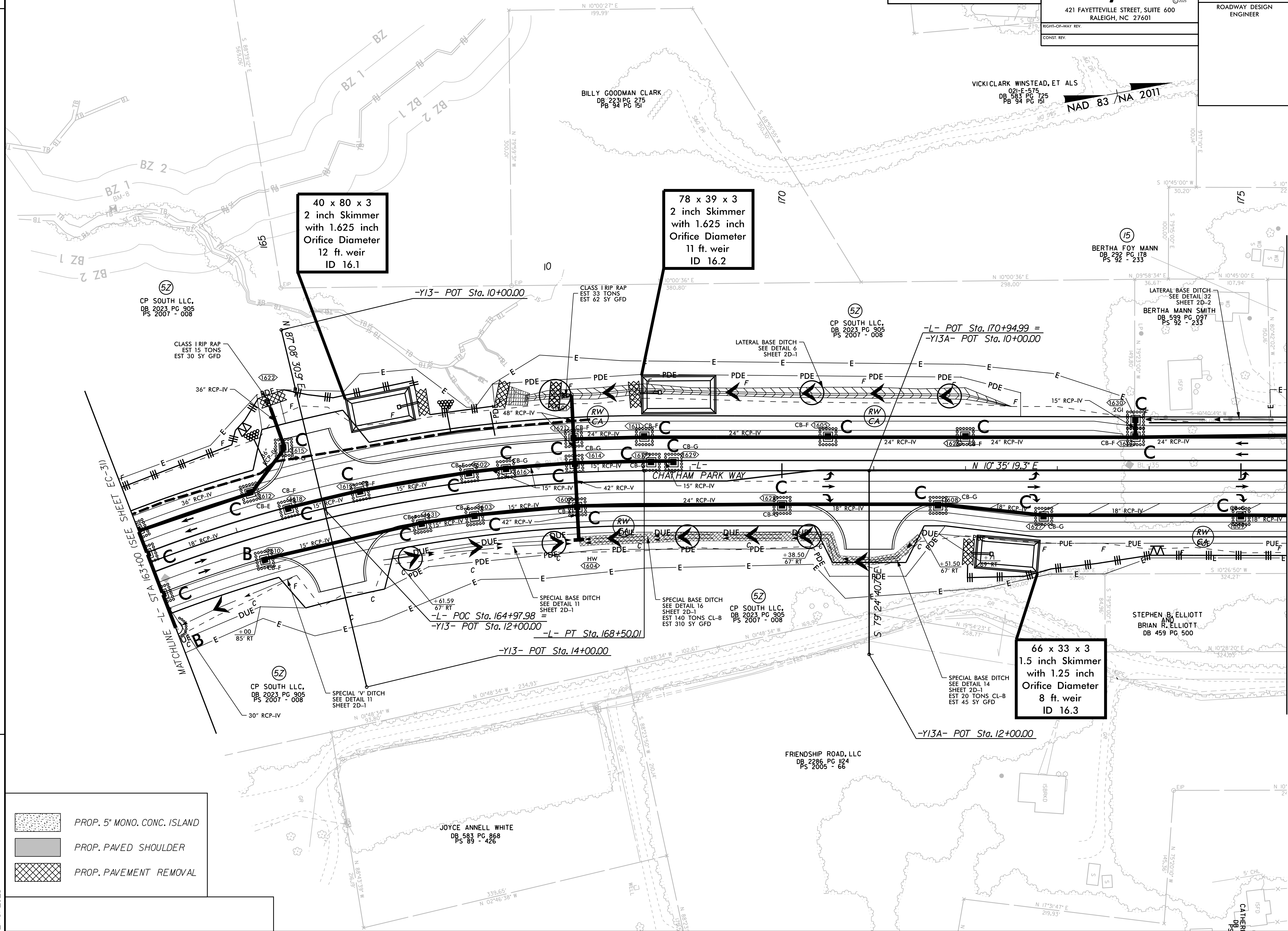
- PROP. 5" MONO. CONC. ISLAND
- PROP. PAVED SHOULDER
- PROP. PAVEMENT REMOVAL

FINAL
EROSION CONTROL FOR
CONSTRUCTION SHEET 16

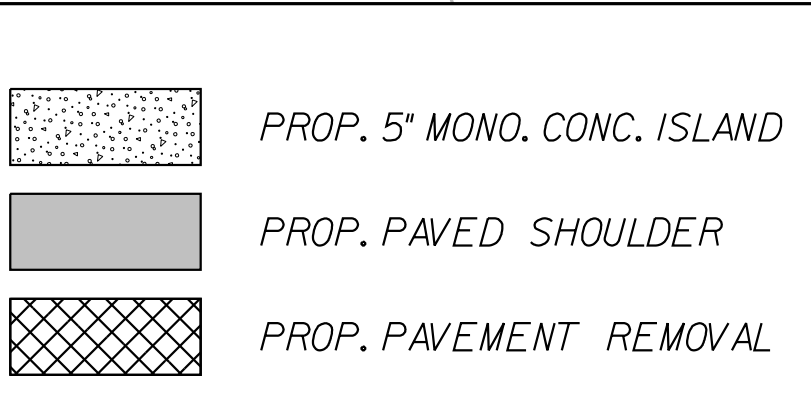
Kimley » Horn
421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601

RIGHT-OF-WAY REV.
CONST. REV.

PROJECT REFERENCE NO.	SHEET NO.
R-5963A	EC-32/CONST.16
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE - L- STA 175+50 (SEE SHEET EC-33)



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REVISIONS

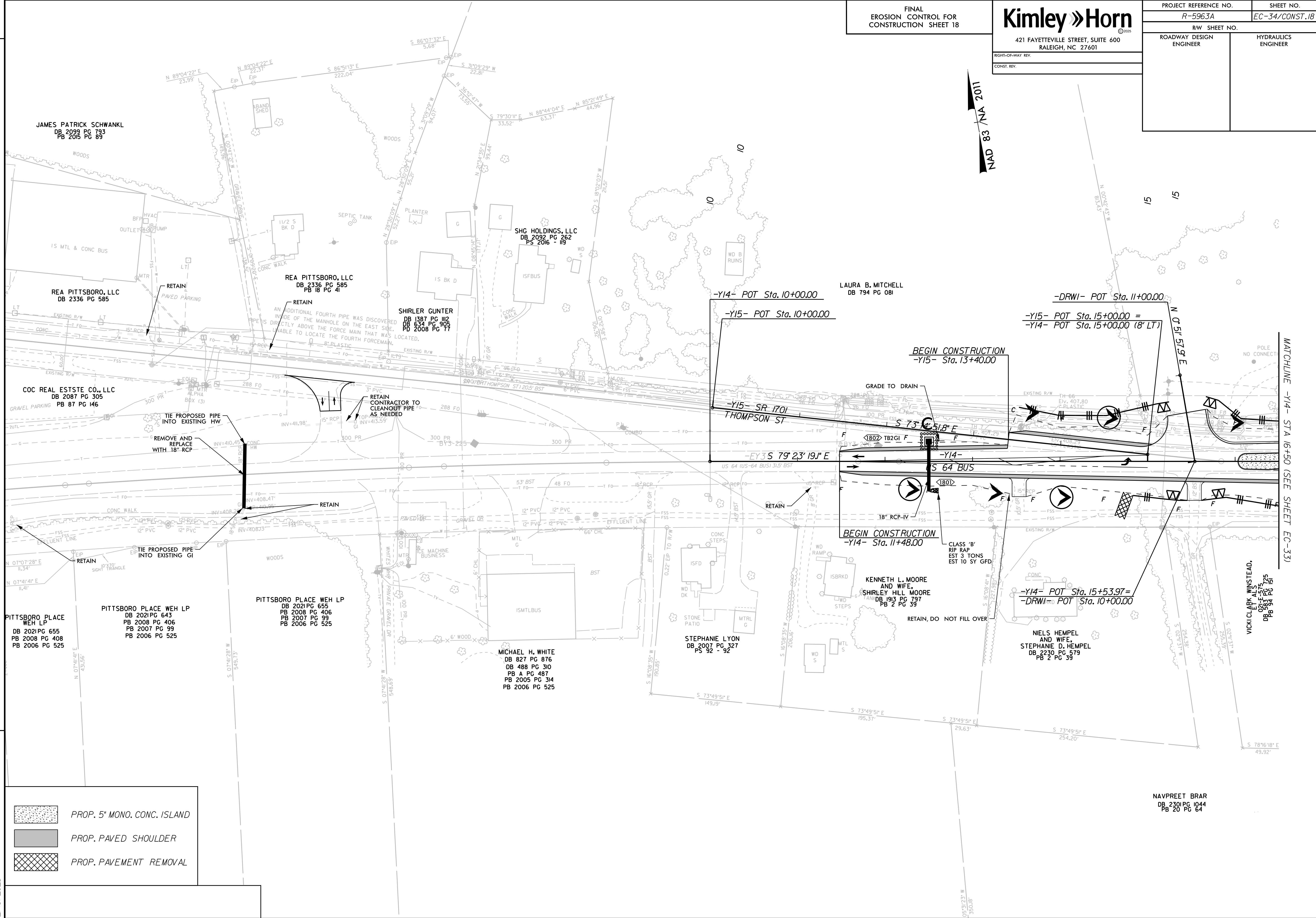
2/18/2025

FINAL
EROSION CONTROL FOR
CONSTRUCTION SHEET 18

Kimley » Horn
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421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601

RIGHT-OF-WAY REV.
CONST. REV.

PROJECT REFERENCE NO.		SHEET NO.
R-5963A		EC-34/CONST.18
RW SHEET NO.		
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	



NAVPREET BRAR
DB 2301 PG 1044
PB 20 PG 64

K:\RAL_Roadway\011036734 - R-5963A&B\ERosion Control\PSHF\NALR-5963A&B_ero_psh_35.dgn

REVISIONS

2/18/2025

FINAL
EROSION CONTROL FOR
CONSTRUCTION SHEET 19

Kimley»Horn
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421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601

RIGHT-OF-WAY REV.
CONST. REV.

PROJECT REFERENCE NO. SHEET NO.
R-5963A EC-35/CONST.19

R/W SHEET NO.

ROADWAY DESIGN
ENGINEER HYDRAULICS
ENGINEER

- PROP. 5" MONO. CONC. ISLAND
- PROP. PAVED SHOULDER
- PROP. PAVEMENT REMOVAL

