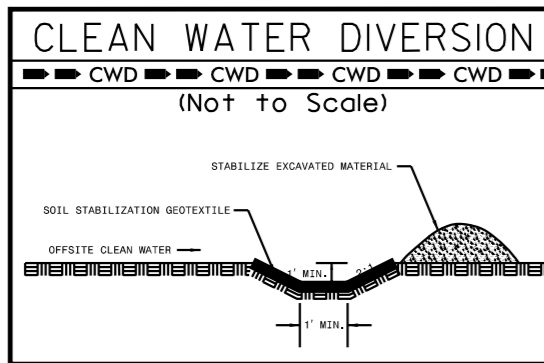


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with their signature on that page.**

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146
GARY W. LATON

-Y13- PC Sta. 13+44.69

-Y13- (SR 1778)
RIVER HAVEN DR
S 87° 24' 20.0" W

DLL FARM LLC

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

PROJECT REFERENCE NO. R-2530B
SHEET NO. EC-24/CONST. 24

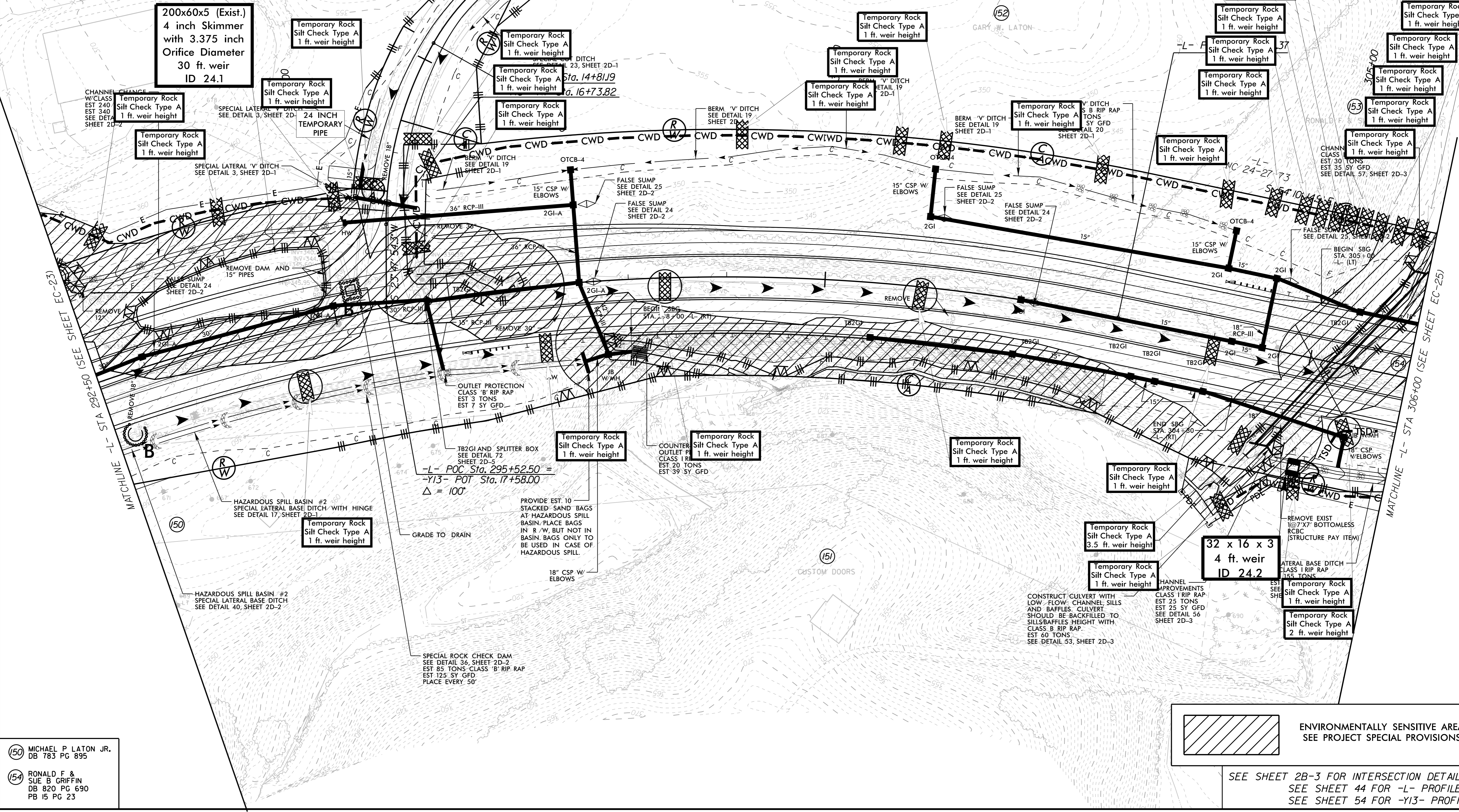
CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 24

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

-Y13-
PI Sta 14+15.00
 $\Delta = 33' 51" 30.3" (LT)$
 $D = 24' 48" 12.1"$
 $L = 136.51'$
 $T = 70.31'$
 $R = 231.00'$
 $SE = EXISTING$
 $RO = EXISTING$
 $DS = 25 MPH$

-Y13-
PI Sta 15+79.73
 $\Delta = 29' 44" 55.4" (LT)$
 $D = 15' 26' 37.0"$
 $L = 192.63'$
 $T = 98.54'$
 $R = 371.00'$
 $SE = 0.04$
 $RO = 84'$
 $DS = 35 MPH$

-L-
PI Sta 297+...
 $\Delta = 36' 24.1"$
 $D = 2' 56' 44.9"$
 $L = 110.78'$
 $T = 510.45'$
 $R = 1,915.00'$
 $SE = 0.07$
 $RO = 25'$



150 MICHAEL P. LATON JR.
DB 783 PG 895

154 RONALD F. & SUE B. GRIFFIN
DB 820 PG 690
PB 15 PG 23

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

SEE SHEET 2B-3 FOR INTERSECTION DETAILS
SEE SHEET 44 FOR -L- PROFILE
SEE SHEET 54 FOR -Y13- PROFILE

5/14/99

PROJECT REFERENCE NO. R-2530B	SHEET NO. EC-24A/CONST.24
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

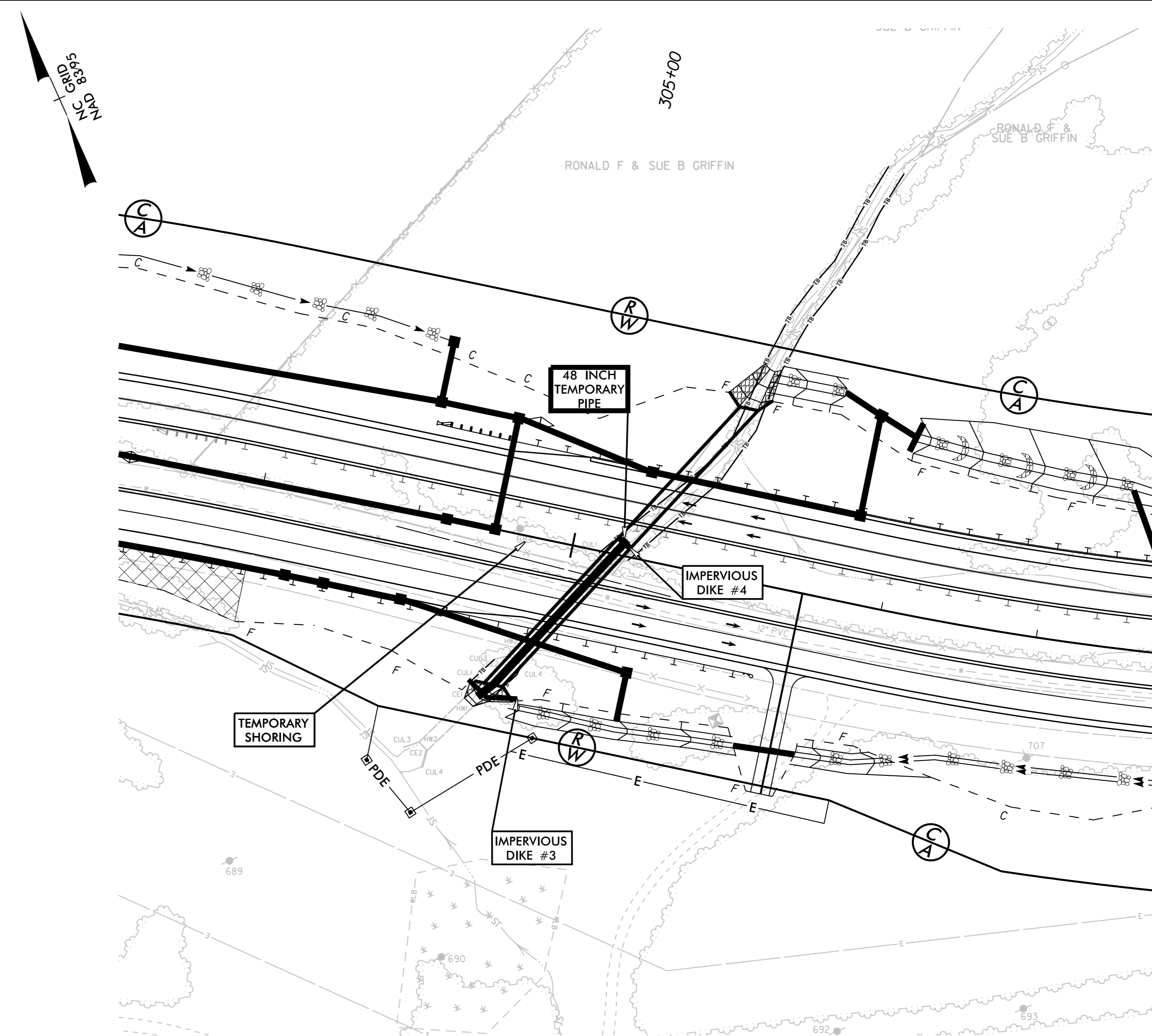
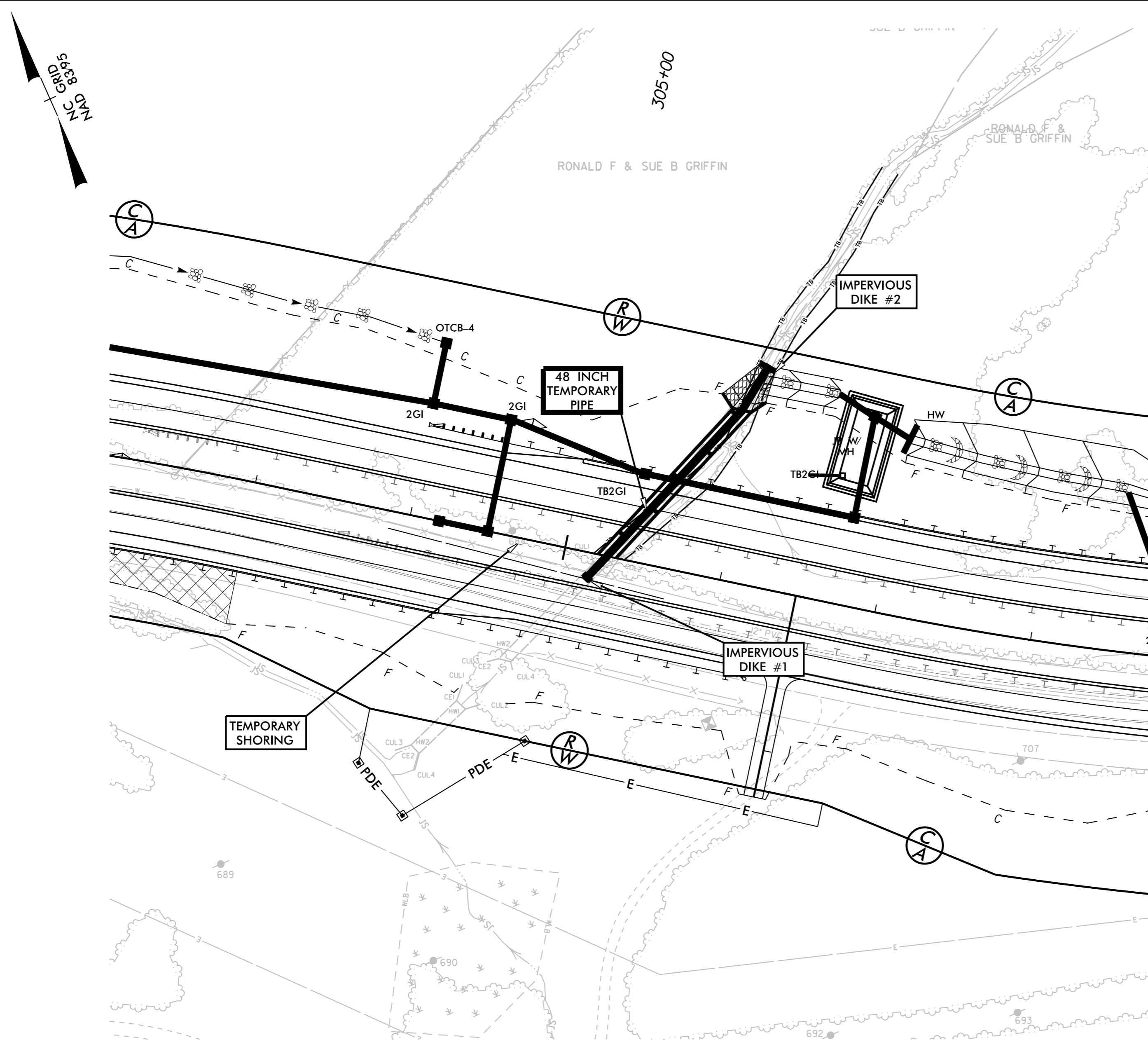
CULVERT CONSTRUCTION SEQUENCE STA. 305+27 -L-

PHASE I

- 1.) UTILIZE SPECIAL STILLING BASINS DURING CONSTRUCTION TO DEWATER WORK SITE. (TYP.)
- 2.) PLACE TEMPORARY SHORING, REMOVE ~16 L.F. OF EXIST. CULVERT, AND PLACE IMPERVIOUS DIKE #1 INSIDE OF DOWNSTREAM END. PLACE IMPERVIOUS DIKE #2 AT DOWNSTREAM END OF CHANNEL, BELOW LIMITS OF CONST.
- 3.) ROUTE TEMPORARY PIPE THROUGH IMPERVIOUS DIKES.
- 4.) EXCAVATE FOR PROPOSED CULVERT AND BUILD ~125 L.F. OF DOWNSTREAM END OF PROPOSED CULVERT, PLACING TEMPORARY SHORING AS NECESSARY TO HOLD NEW EMBANKMENT.
- 5.) CONSTRUCT DOWNSTREAM CHANNEL IMPROVEMENTS, COMPLETE WESTBOUND ROADWAY IMPROVEMENTS, AND MOVE TRAFFIC OVER AFTER COMPLETION.
- 6.) REFERENCE SHEET TMP-25 FOR ADDITIONAL DETAIL REGARDING TRAFFIC MANAGEMENT AND SHORING.

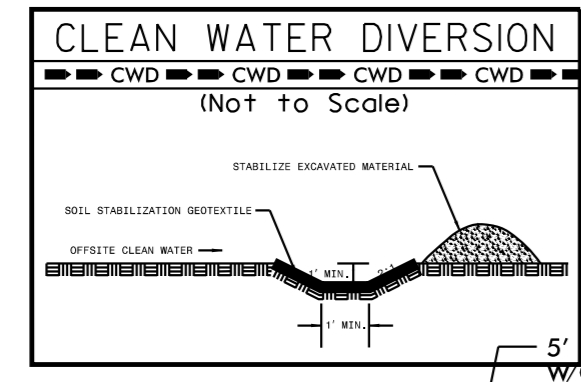
PHASE II

- 1.) PLACE IMPERVIOUS DIKE #3 DOWNSTREAM OF EXISTING CULVERT ABOVE PROJECT, AND OUTSIDE LIMITS OF CONSTRUCTION OF PROPOSED CULVERT.
- 2.) PLACE IMPERVIOUS DIKE #4 AT UPSTREAM END OF NEWLY CONSTRUCTED CULVERT. MOVE TEMPORARY PIPE BETWEEN IMPERVIOUS DIKES.
- 3.) REMOVE REMAINDER OF EXIST. CULVERT, EXCAVATE FOR PROPOSED CULVERT, AND BUILD REMAINING UPSTREAM PORTION OF PROPOSED CULVERT.
- 4.) REMOVE IMPERVIOUS DIKES, TEMPORARY PIPES, TEMPORARY SHORING, AND COMPLETE EASTBOUND IMPROVEMENTS.
- 5.) REFERENCE SHEET TMP-78 FOR ADDITIONAL DETAIL REGARDING TRAFFIC MANAGEMENT AND SHORING.

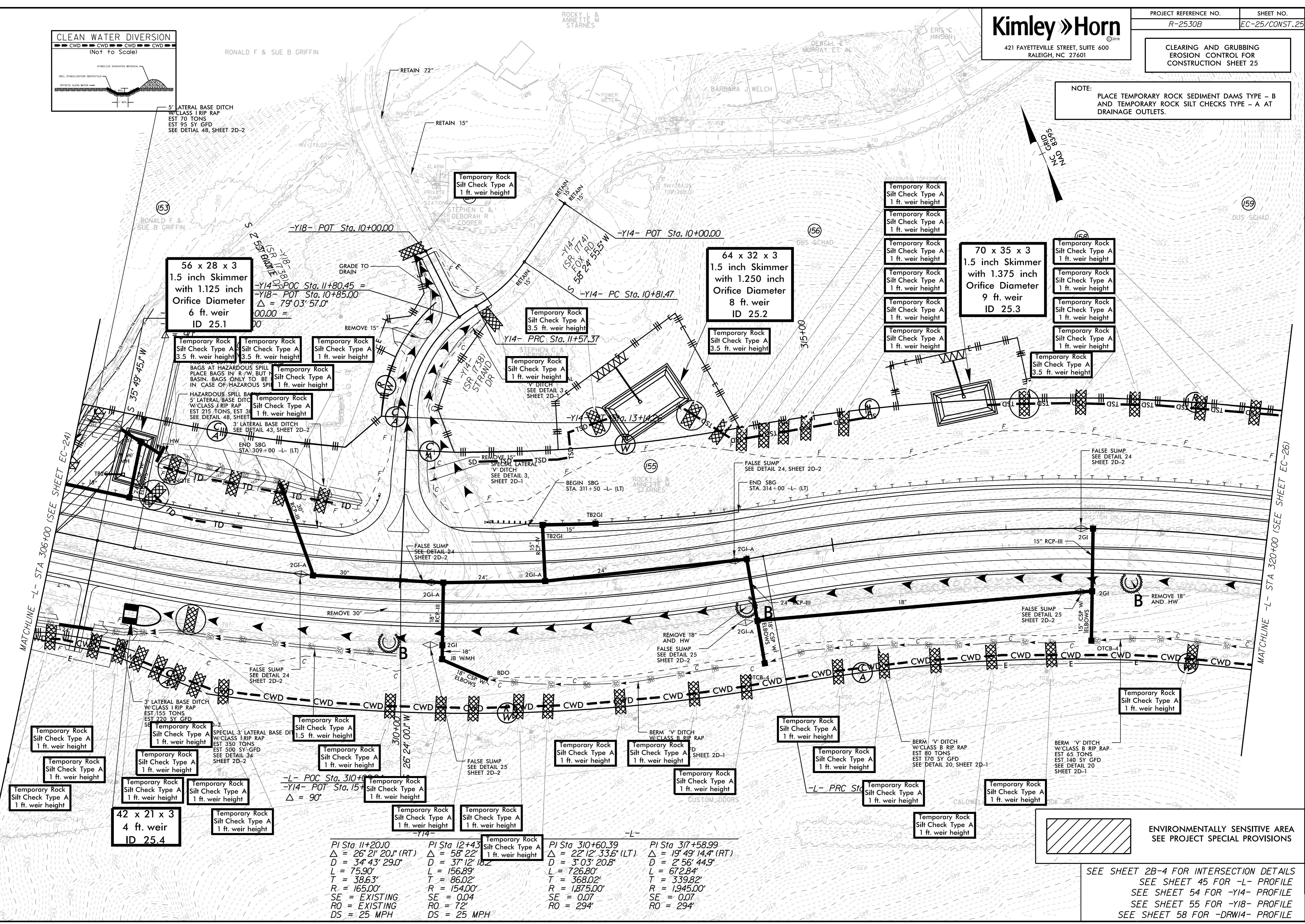


11/1/2018

5/14/99



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



56 x 28 x 3
 1.5 inch Skimmer
 with 1.125 inch
 Orifice Diameter
 6 ft. weir
 ID 25.1

64 x 32 x 3
 1.5 inch Skimmer
 with 1.250 inch
 Orifice Diameter
 8 ft. weir
 ID 25.2

70 x 35 x 3
 1.5 inch Skimmer
 with 1.375 inch
 Orifice Diameter
 9 ft. weir
 ID 25.3

42 x 21 x 3
 4 ft. weir
 ID 25.4

PI Sta 11+20.10 Δ = 26' 21" 20.1° (RT) D = 34' 43" 29.0" L = 75.90' T = 38.63' R = 165.00' SE = EXISTING RO = EXISTING DS = 25 MPH	PI Sta 12+43.5 Δ = 58' 22" D = 37' 12" 18.2" L = 156.89' T = 86.02' R = 154.00' SE = 0.04 RO = 72 DS = 25 MPH	PI Sta 310+60.39 Δ = 22' 12" 33.6° (LT) D = 3' 03" 20.8" L = 726.80' T = 368.02' R = 1,875.00' SE = 0.07 RO = 294'	PI Sta 317+58.99 Δ = 19' 49" 14.4° (RT) D = 2' 56" 44.9" L = 672.84' T = 339.82' R = 1,945.00' SE = 0.07 RO = 294'
--	---	---	---

ENVIRONMENTALLY SENSITIVE AREA
 SEE PROJECT SPECIAL PROVISIONS

SEE SHEET 2B-4 FOR INTERSECTION DETAILS
 SEE SHEET 45 FOR -L- PROFILE
 SEE SHEET 54 FOR -Y14- PROFILE
 SEE SHEET 55 FOR -Y18- PROFILE
 SEE SHEET 58 FOR -DRW14- PROFILE

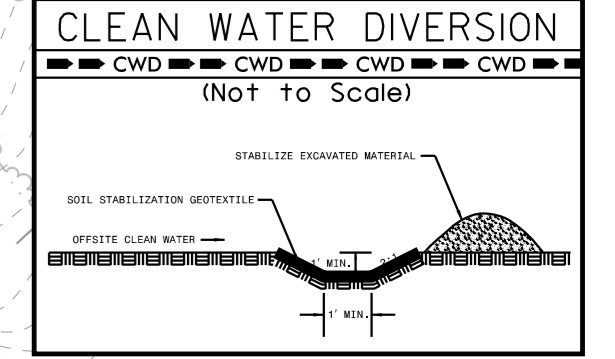
11/1/2018

- 158 GUS SCHAT
DB 712 PG 262
PB 15 PG 24
- 162 JEAN ANN STOLLERY
DB 758 PG 825
PB 05 PG 105
- 163 PROGRESS ENERGY
CAROLINAS, INC.
PB 15 PG 25

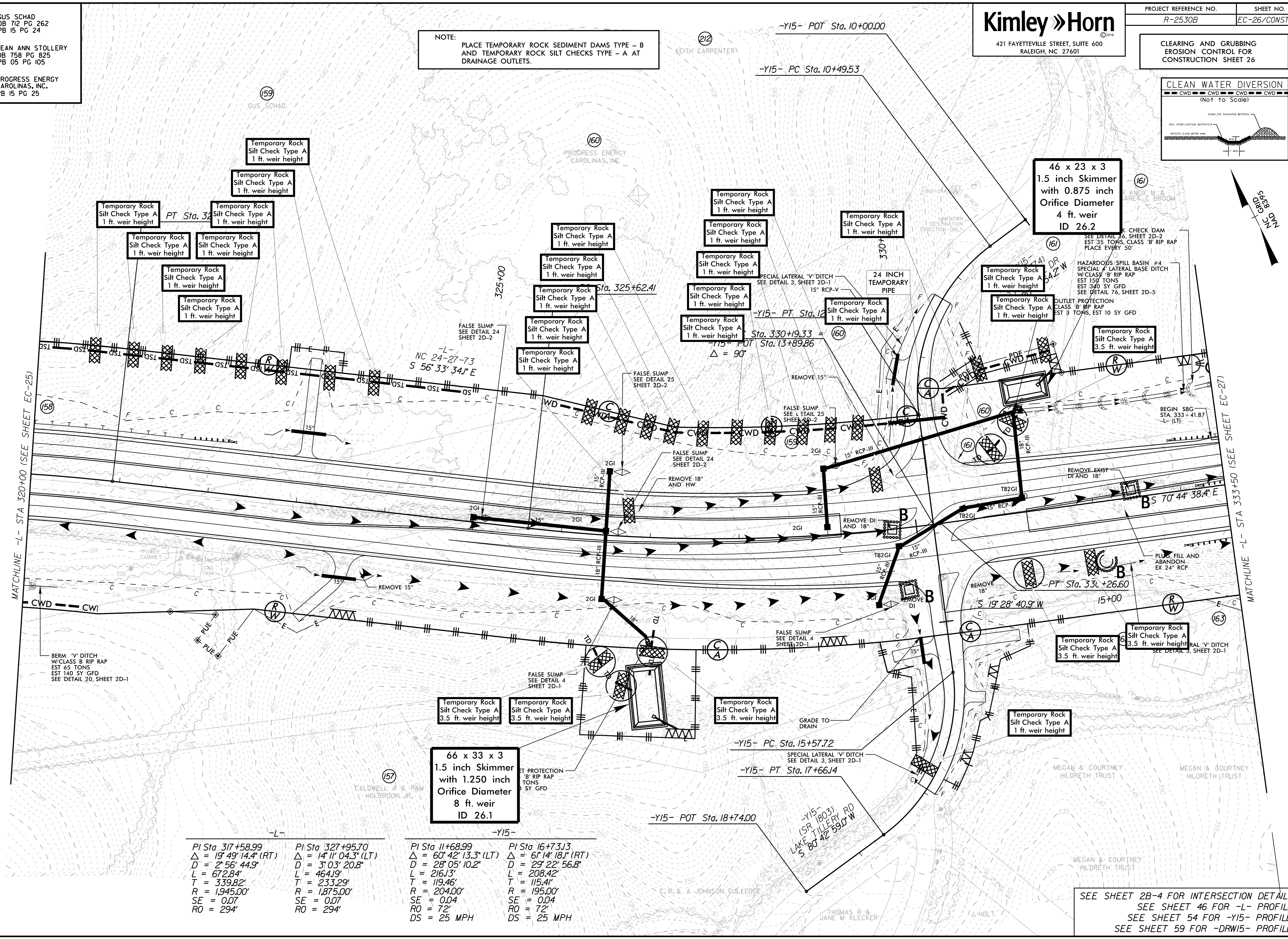
Kimley Horn
421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601

PROJECT REFERENCE NO. R-2530B
SHEET NO. EC-26/CONST. 26

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 26



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



MATCHLINE -L- STA 320+00 (SEE SHEET EC-25)

MATCHLINE -L- STA 333+50 (SEE SHEET EC-27)

PI Sta 317+58.99 $\Delta = 19' 49'' 14.4''$ (RT) $D = 2' 56'' 44.9''$ $L = 672.84'$ $T = 339.82'$ $R = 1,945.00'$ $SE = 0.07$ $RO = 294'$	PI Sta 327+95.70 $\Delta = 14' 11'' 04.3''$ (LT) $D = 3' 03'' 20.8''$ $L = 464.19'$ $T = 233.29'$ $R = 1,875.00'$ $SE = 0.07$ $RO = 294'$	PI Sta 11+68.99 $\Delta = 60' 42'' 13.3''$ (LT) $D = 28' 05'' 10.2''$ $L = 216.13'$ $T = 119.46'$ $R = 204.00'$ $SE = 0.04$ $RO = 72'$ $DS = 25$ MPH	PI Sta 16+73.13 $\Delta = 61' 14'' 18.1''$ (RT) $D = 29' 22'' 56.8''$ $L = 208.42'$ $T = 115.41'$ $R = 195.00'$ $SE = 0.04$ $RO = 72'$ $DS = 25$ MPH
--	--	--	--

SEE SHEET 2B-4 FOR INTERSECTION DETAILS
SEE SHEET 46 FOR -L- PROFILE
SEE SHEET 54 FOR -Y15- PROFILE
SEE SHEET 59 FOR -DRW15- PROFILE

11/1/2018

5/14/99

(162) JEAN ANN STOLLERY
DB 758 PG 825
PB 05 PG 105

(169) CHARLES R MANESS
DB 236 PG 496

(163) PROGRESS ENERGY CAROLINAS, INC
PB 15 PG 25

(170) VICKIE LYNN SAUNDERS
DB 241 PG 841

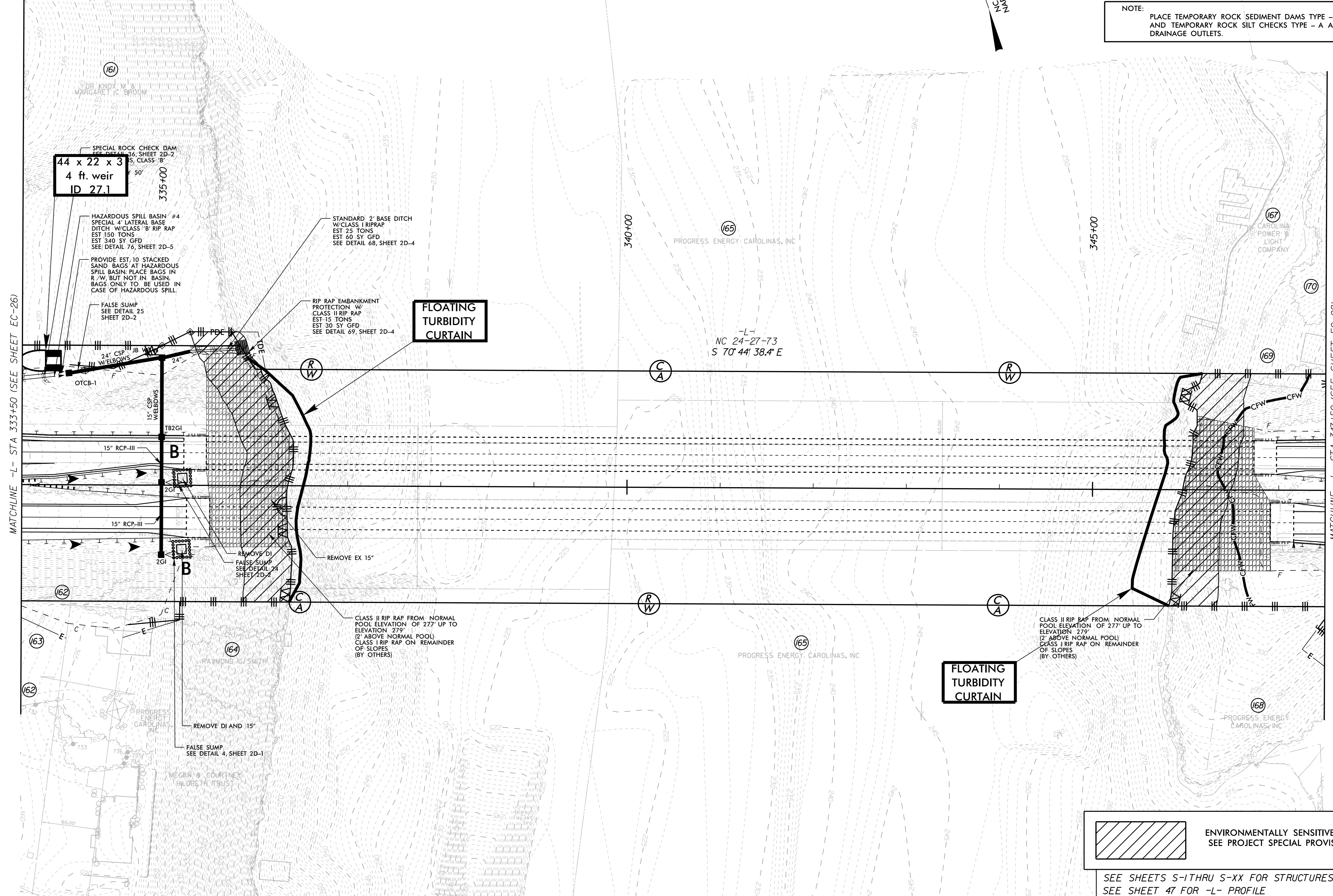
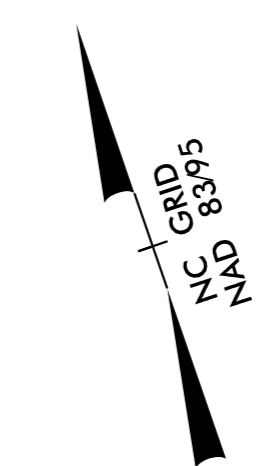
Kimley Horn

421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601

PROJECT REFERENCE NO.	SHEET NO.
R-2530B	EC-27/CONST. 27

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 27

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



44 x 22 x 3
4 ft. weir
ID 27.1

FLOATING
TURBIDITY
CURTAIN

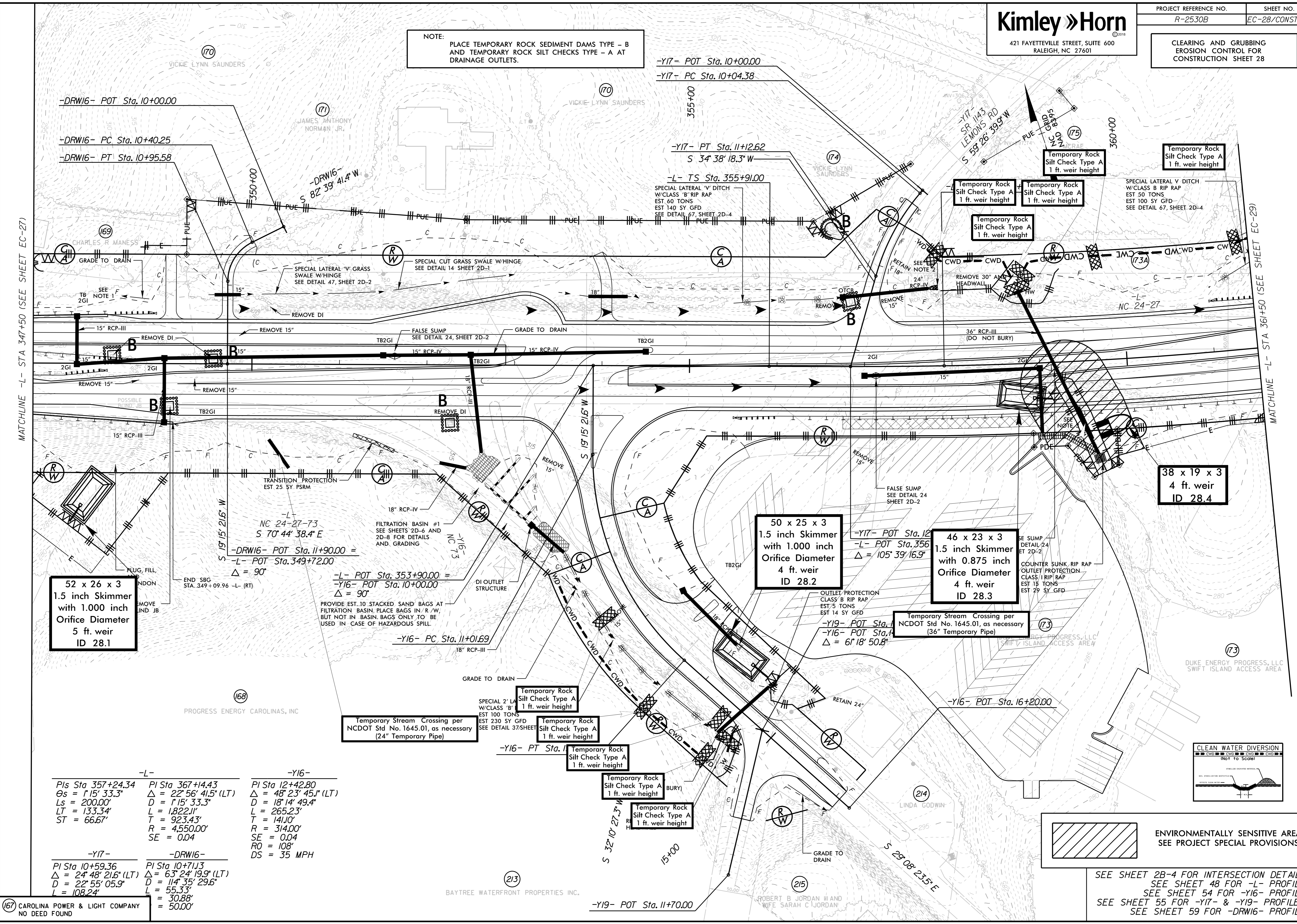
FLOATING
TURBIDITY
CURTAIN

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

SEE SHEETS S-I THRU S-XX FOR STRUCTURES PLANS
SEE SHEET 47 FOR -L- PROFILE

11/1/2018

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



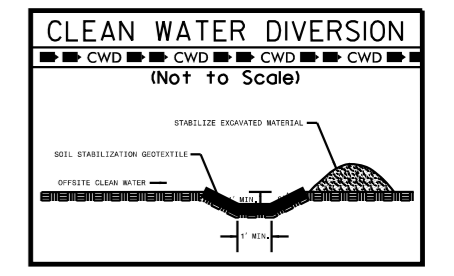
52 x 26 x 3
1.5 inch Skimmer
with 1.000 inch
Orifice Diameter
5 ft. weir
ID 28.1

50 x 25 x 3
1.5 inch Skimmer
with 1.000 inch
Orifice Diameter
4 ft. weir
ID 28.2

46 x 23 x 3
1.5 inch Skimmer
with 0.875 inch
Orifice Diameter
4 ft. weir
ID 28.3

38 x 19 x 3
4 ft. weir
ID 28.4

-L-		-Y16-	
PI Sta 357+24.34	PI Sta 367+14.43	PI Sta 12+42.80	
θs = 1°15' 33.3"	Δ = 22° 56' 41.5" (LT)	Δ = 48° 23' 45.1" (LT)	
Ls = 200.00'	D = 1°15' 33.3"	D = 18° 14' 49.4"	
LT = 133.34'	L = 1,822.11'	L = 265.23'	
ST = 66.67'	T = 923.43'	T = 141.0'	
	R = 4,550.00'	R = 314.00'	
	SE = 0.04	SE = 0.04	
		RO = 108°	
		DS = 35 MPH	
-Y17-		-DRW16-	
PI Sta 10+59.36	PI Sta 10+71.13	PI Sta 10+71.13	
Δ = 24° 48' 21.6" (LT)	Δ = 63° 24' 19.9" (LT)		
D = 22° 55' 05.9"	D = 114° 35' 29.6"		
L = 108.24'	L = 55.33'		
	L = 30.88'		
	L = 50.00'		



ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

SEE SHEET 2B-4 FOR INTERSECTION DETAILS
SEE SHEET 48 FOR -L- PROFILE
SEE SHEET 54 FOR -Y16- PROFILE
SEE SHEET 55 FOR -Y17- & -Y19- PROFILES
SEE SHEET 59 FOR -DRW16- PROFILE

5/14/99
11/1/2018
MATCHLINE -L- STA 347+50 (SEE SHEET EC-27)
MATCHLINE -L- STA 361+50 (SEE SHEET EC-29)

167 CAROLINA POWER & LIGHT COMPANY
NO DEED FOUND

BAYTREE WATERFRONT PROPERTIES, INC.

DUKE ENERGY PROGRESS, LLC
SWIFT ISLAND ACCESS AREA

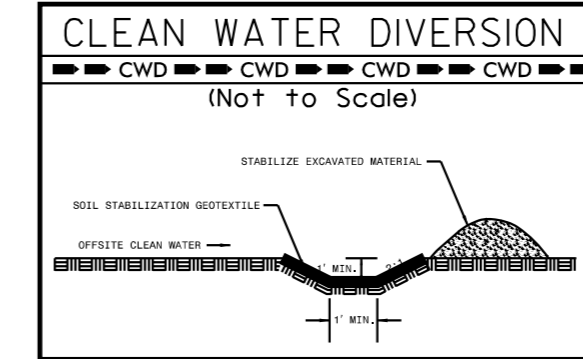
PROGRESS ENERGY CAROLINAS, INC.

ROBERT B JORDAN III AND
WIFE SARAH C JORDAN

PROGRESS ENERGY CAROLINAS, LLC
SWIFT ISLAND ACCESS AREA

5/14/99

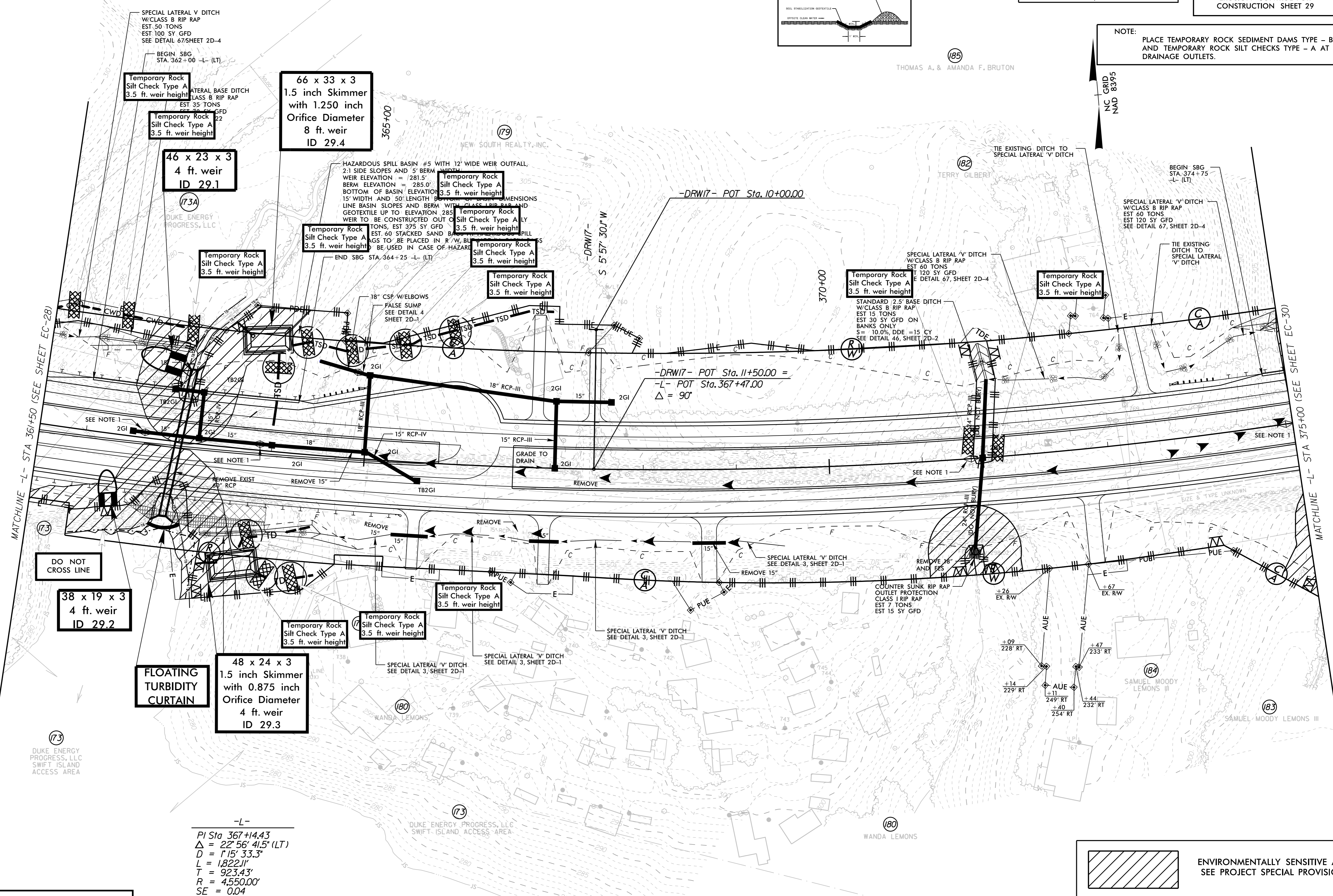
(175) MCRAE INDUSTRIES INC.



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

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 29

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



-L-
PI Sta 367+14.43
 $\Delta = 22' 56" 41.5" (LT)$
 $D = 1' 15" 33.3"$
 $L = 1,822.11'$
 $T = 923.43'$
 $R = 4,550.00'$
 $SE = 0.04$

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

SEE SHEET 48 FOR -L- PROFILE
SEE SHEET 59 FOR -DRW17- PROFILE

11/1/2018

(173) PROGRESS ENERGY CAROLINAS, INC
DB 471 PG 222

5/14/99

PROJECT REFERENCE NO. R-2530B	SHEET NO. EC-29A/CONST.29
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

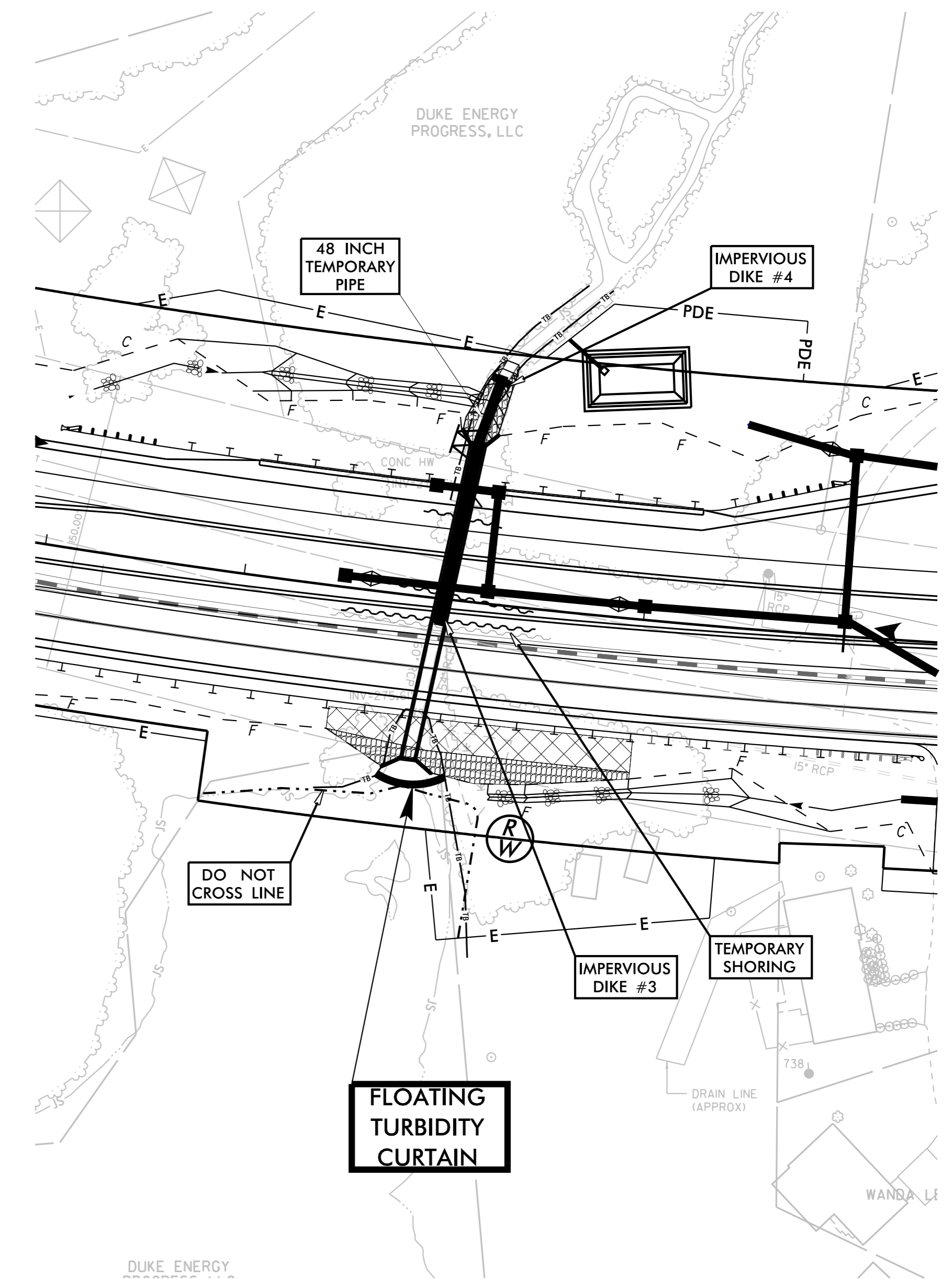
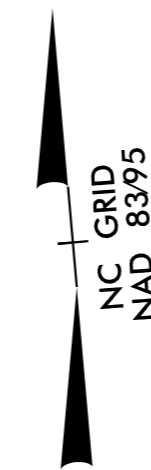
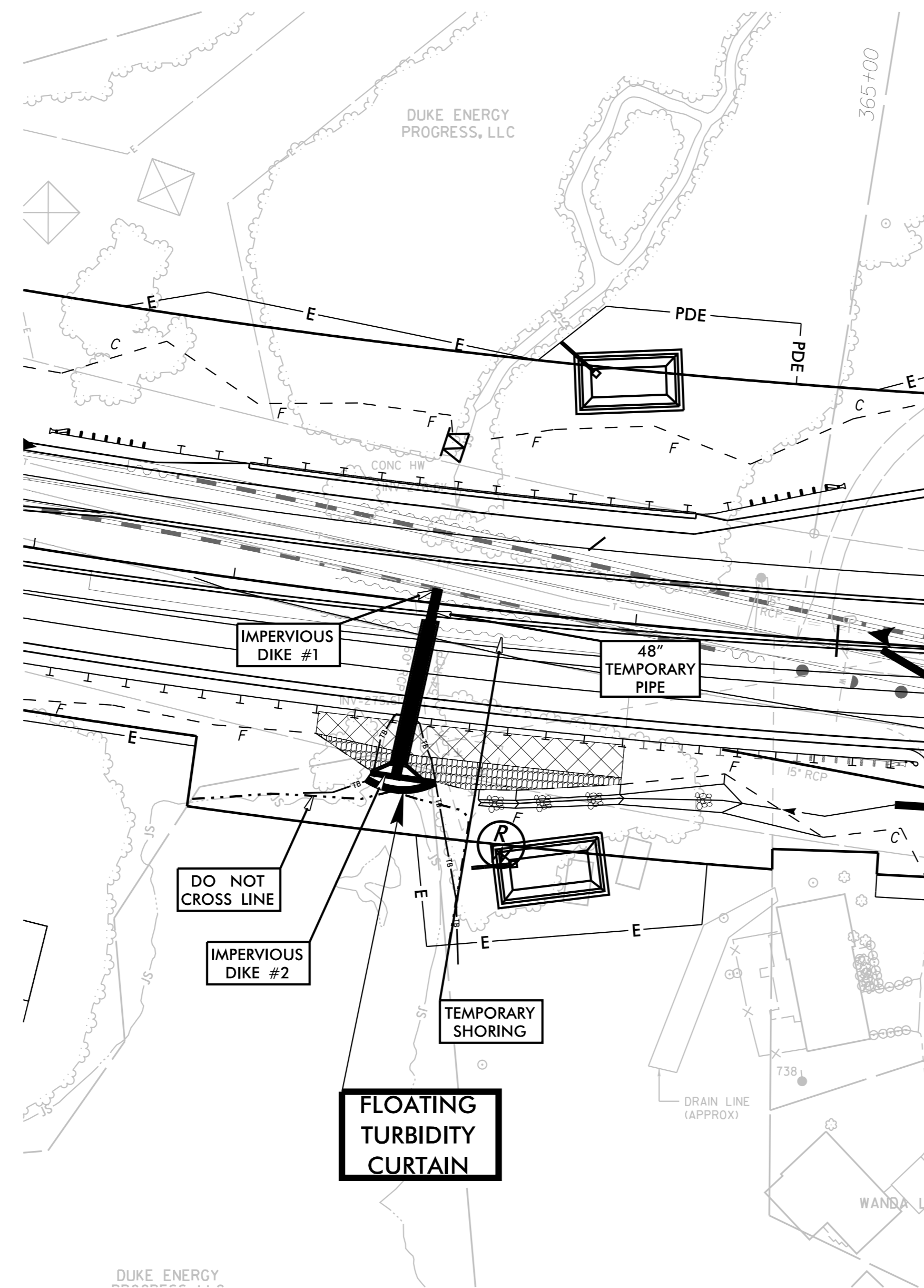
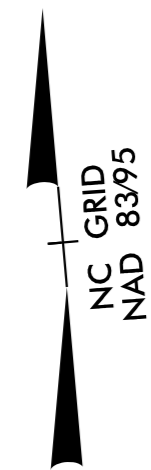
CULVERT CONSTRUCTION SEQUENCE STA. 363+00 -L-

PHASE I

- 1.) UTILIZE SPECIAL STILLING BASINS DURING CONSTRUCTION TO DEWATER WORK SITE. (TYP.)
- 2.) PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY, INSTALL FLOATING TURBIDITY CURTAIN.
- 3.) REMOVE ~ 60' OF EXIST CULVERT FROM DOWNSTREAM END AND PLACE TEMPORARY SHORING AS NECESSARY.
- 4.) PLACE IMPERVIOUS DIKE #1 ON DOWNSTREAM END OF REMAINING CULVERT. PLACE IMPERVIOUS DIKE #2 ON DOWNSTREAM END CHANNEL, OUTSIDE OF CONSTRUCTION LIMITS BUT WITHING THE TURBIDITY CURTAIN.
- 5.) ROUTE TEMPORARY PIPE THROUGH IMPERVIOUS DIKES AND BUILD ~ 80 L.F. AT THE DOWSTREAM END OF PROPOSED CULVERT. PLACE TEMPORARY SHORING AS NECESSARY TO HOLD NEW FILL AND BUILD EASTBOUND LANES.
- 6.) REFERENCE SHEET TMP-43 FOR ADDITIONAL DETAIL REGARDING TRAFFIC MANAGEMENT AND SHORING.

PHASE II

- 1.) PLACE IMPERVIOUS DIKE #3 INSIDE OF NEW CULVERT ON UPSTREAM END.
- 2.) PLACE IMPERVIOUS DIKE #4 UPSTREAM OF CONSTRUCTION LIMITS AND MOVE TEMPORARY PIPE BETWEEN DIKES.
- 3.) REMOVE EXIST. CULVERT, EXCAVATE FOR PROPOSED CULVERT, AND BUILD REMAINING UPSTREAM PORTION OF PROPOSED CULVERT.
- 4.) REMOVE TEMPORARY SHORING, TEMPORARY PIPES, AND IMPERVIOUS DIKES. COMPLETE EASTBOUND IMPROVEMENTS.
- 5.) REFERENCE SHEET TMP-63 FOR ADDITIONAL DETAIL REGARDING TRAFFIC MANAGEMENT AND SHORING.
- 6.) REMOVE FLOATING TURBIDITY CURTAIN WHEN CONSTRUCTION IS COMPLETE AND FINAL STABILIZATION IS MATURE.



11/1/2018

5/14/99

PROJECT REFERENCE NO. R-2530B	SHEET NO. EC-30A/CONST.30
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

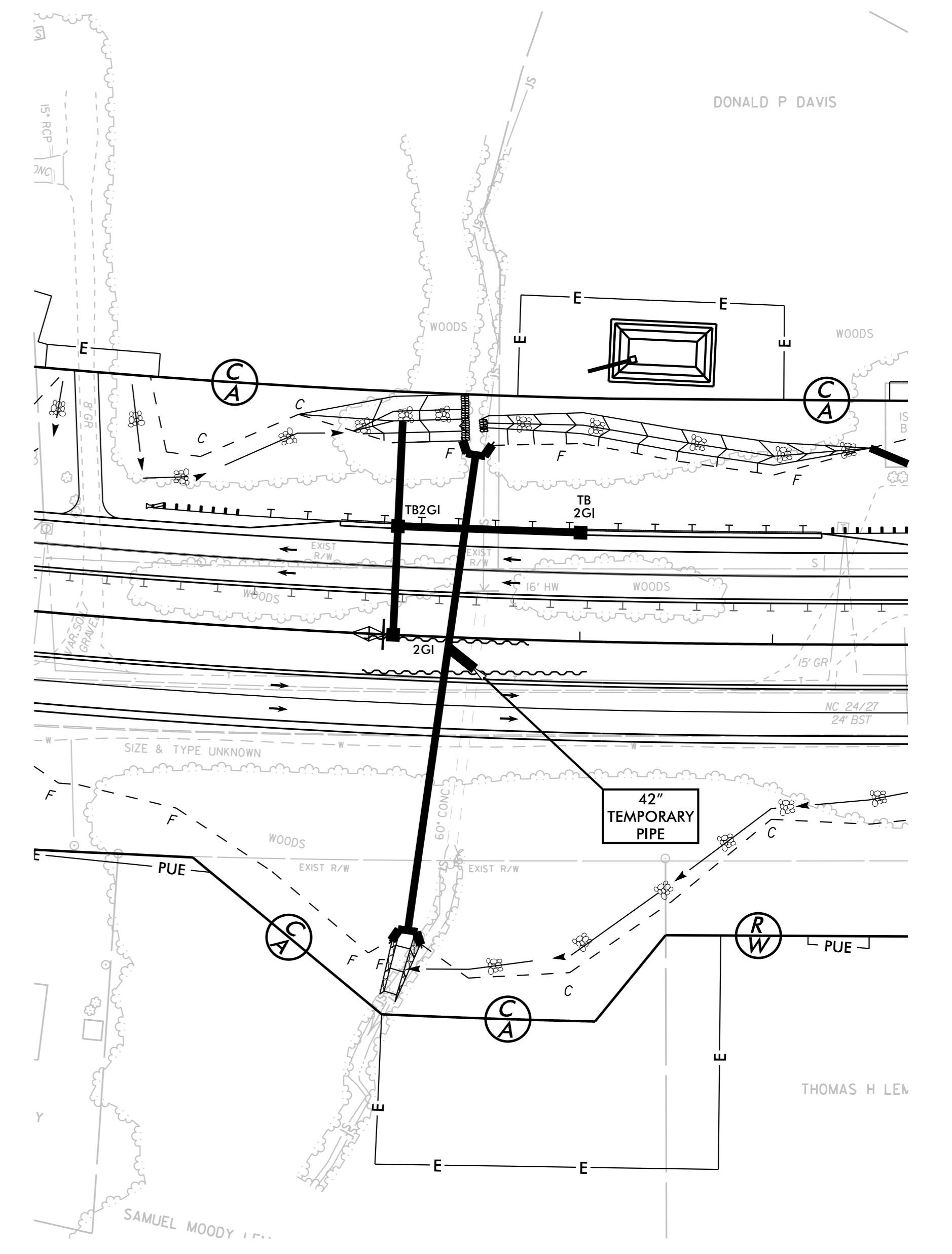
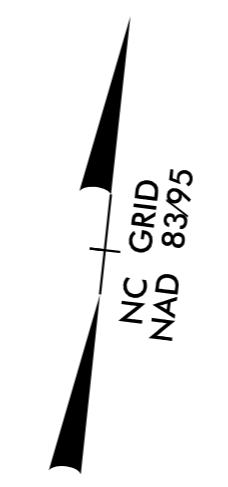
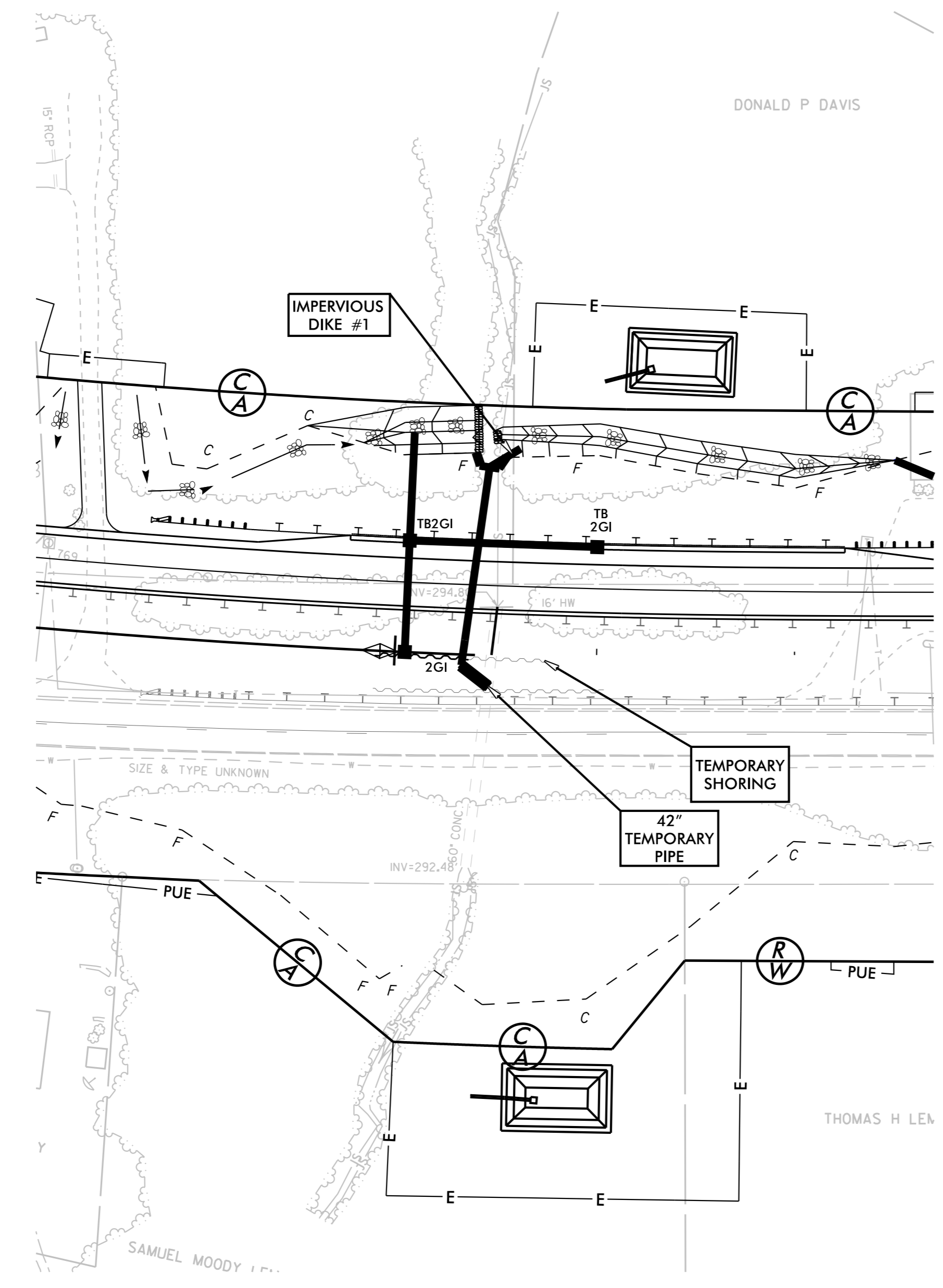
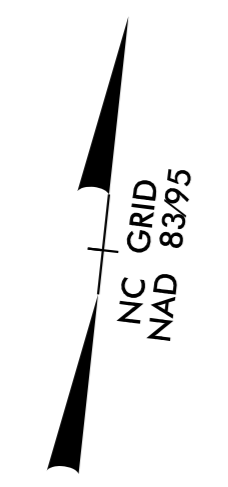
72" RCP INSTALLATION SEQUENCE STA. 375 + 30 -L-

PHASE I

- 1.) UTILIZE SPECIAL STILLING BASINS DURING CONSTRUCTION TO DEWATER WORK SITE. (TYP.)
- 2.) PLACE TEMPORARY SHORING AND REMOVE APPROX. 40 L.F. OF THE UPSTREAM PORTION OF THE EXISTING 60" RCP.
- 3.) BUILD APPROX. 100 L.F. UPSTREAM PORTION OF PROPOSED 72" PIPE.
- 4.) PLACE IMPERVIOUS DIKE #1 UPSTREAM OF PIPE CONSTRUCTION LIMITS TO ROUTE J.S. INTO NEW PIPE AND PLACE TEMPORARY PIPE BETWEEN NEW AND EXISTING PIPES.
- 5.) COMPLETE WESTBOUND IMPROVEMENTS, ADD TEMPORARY SHORING AS NECESSARY, AND REMOVE IMPERVIOUS DIKE #1.
- 6.) REFERENCE SHEET TMP-30 FOR ADDITIONAL DETAIL REGARDING TRAFFIC MANAGEMENT AND SHORING.

PHASE II

- 1.) BUILD REMAINING DOWNSTREAM PORTION OF PROPOSED 72" RCP, REMOVE TEMPORARY PIPE, AND TIE TO UPSTREAM PORTION.
- 2.) COMPLETE EASTBOUND IMPROVEMENTS AND REMOVE TEMPORARY SHORING AS APPROPRIATE.
- 3.) REFERENCE SHEET TMP-82 FOR ADDITIONAL DETAIL REGARDING TRAFFIC MANAGEMENT AND SHORING.



11/1/2018

5/14/99

PROJECT REFERENCE NO. R-2530B	SHEET NO. EC-30B/CONST.30
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

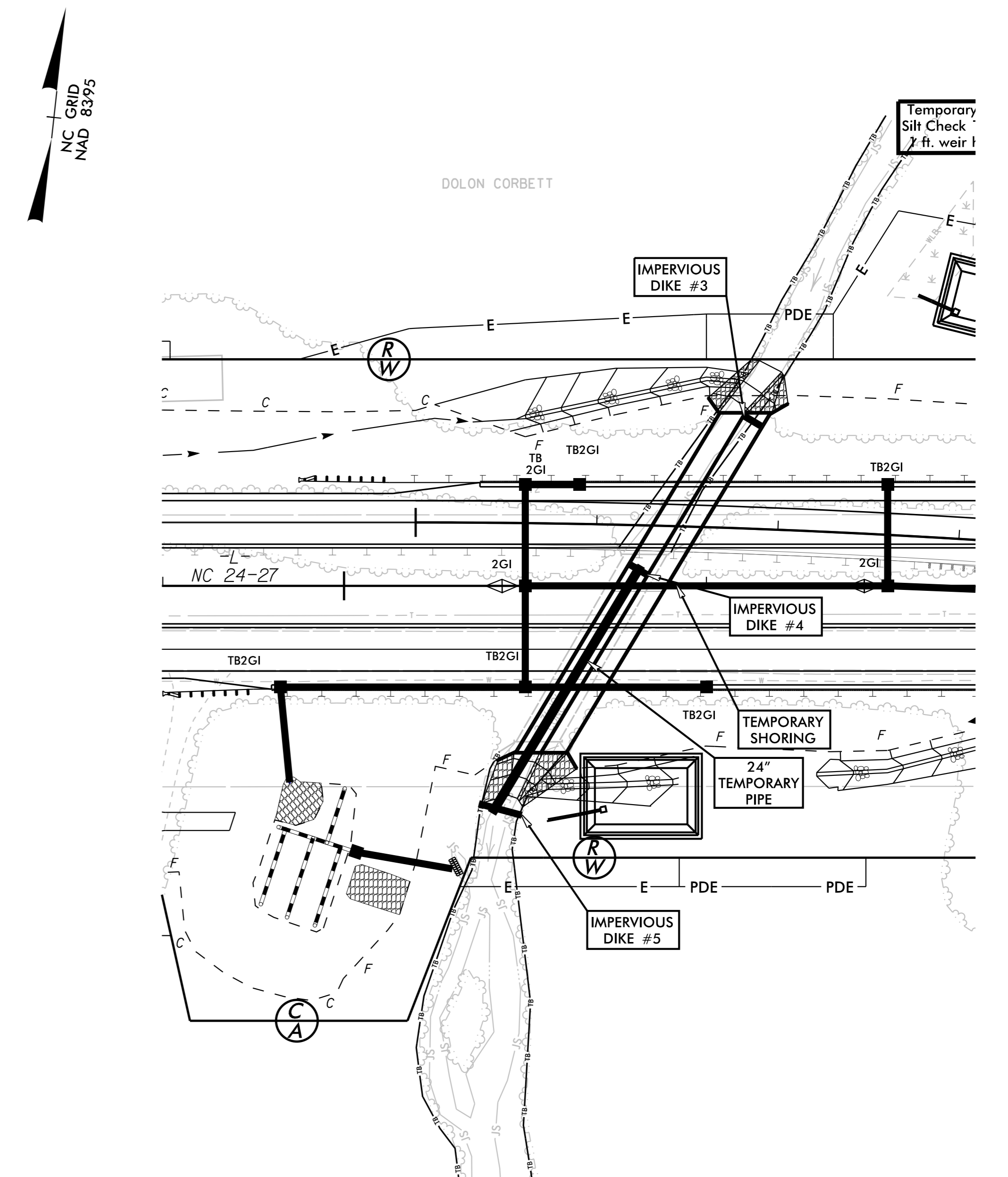
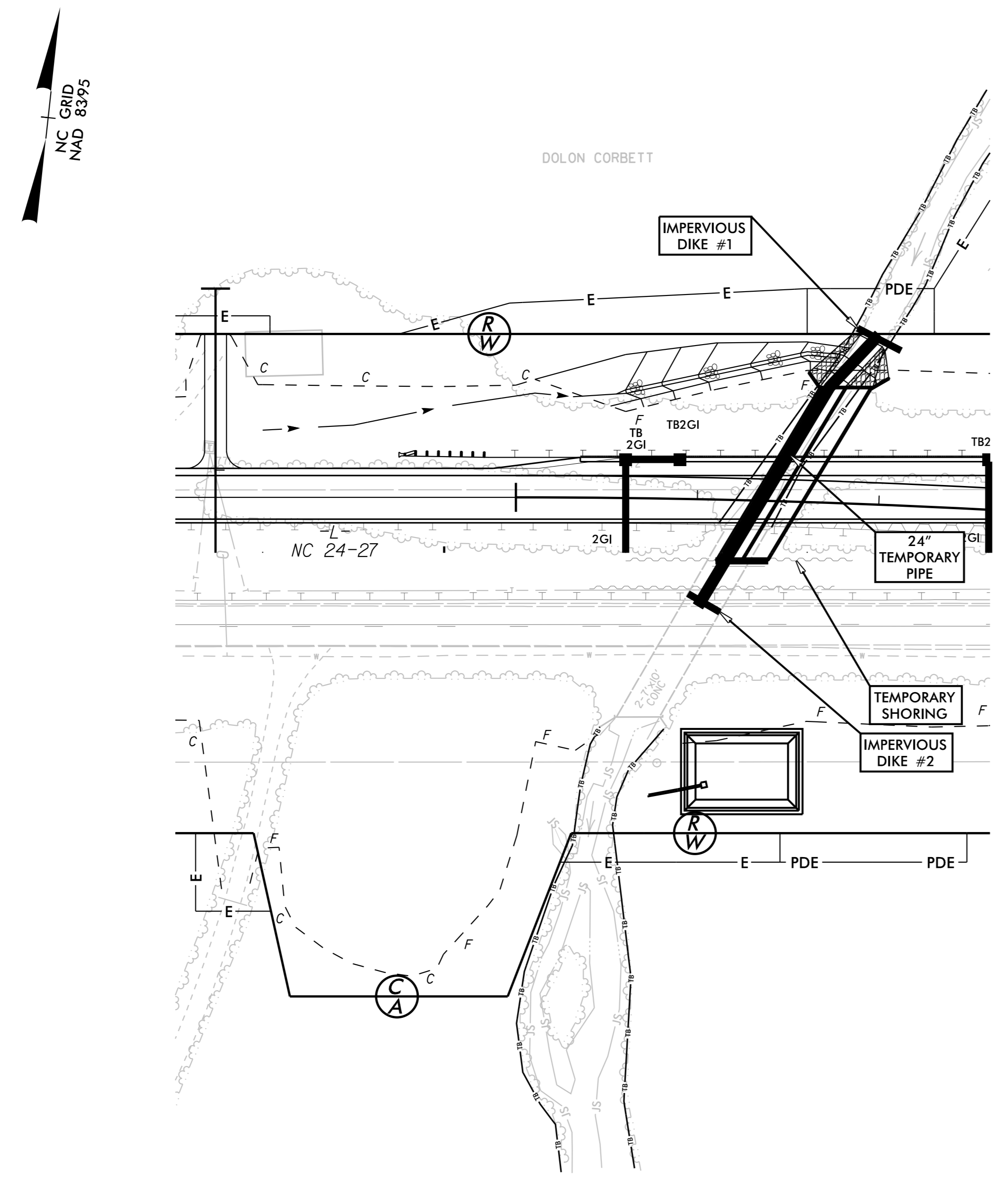
CULVERT CONSTRUCTION SEQUENCE STA. 381+64 -L-

PHASE I

- 1.) UTILIZE SPECIAL STILLING BASINS DURING CONSTRUCTION TO DEWATER WORK SITE. (TYP.)
- 2.) PLACE TEMPORARY SHORING AND REMOVE APPROX. 36 L.F. OF THE UPSTREAM PORTION OF THE EXISTING CULVERT.
- 3.) PLACE IMPERVIOUS DIKE #1 UPSTREAM OF CONSTRUCTION LIMITS AND IMPERVIOUS DIKE #2 WITHIN REMAINING EXISTING CULVERT AND PLACE TEMPORARY PIPE BETWEEN DIKES.
- 4.) BUILD APPROX. 112 L.F. UPSTREAM PORTION OF PROPOSED CULVERT.
- 5.) COMPLETE WESTBOUND IMPROVEMENTS AND ADD TEMPORARY SHORING AS NECESSARY.
- 6.) REFERENCE SHEET TMP-30 FOR ADDITIONAL DETAIL REGARDING TRAFFIC MANAGEMENT AND SHORING.

PHASE II

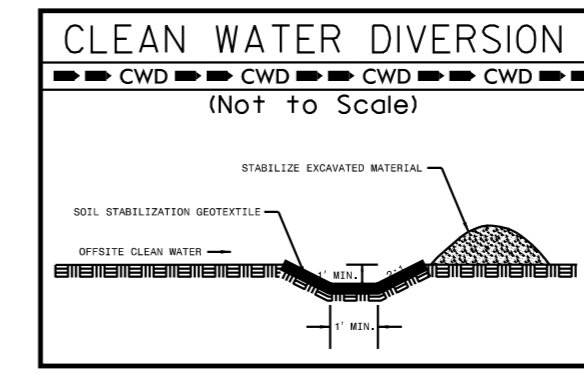
- 1.) PLACE IMPERVIOUS DIKE #3 WITHIN LEFT BARREL OF NEW CULVERT TO PREVENT DAILY FLOW FROM PASSING.
- 2.) PLACE IMPERVIOUS DIKE #4 WITHIN THE NEW CULVERT, IMPERVIOUS DIKE #5 DOWNSTREAM OF CONSTRUCTION AND PLACE TEMPORARY PIPE BETWEEN DIKES.
- 3.) BUILD REMAINING DOWNSTREAM PORTION OF PROPOSED CULVERT, AND REMOVE TEMPORARY PIPE AND DIKES.
- 4.) COMPLETE EASTBOUND IMPROVEMENTS AND REMOVE TEMPORARY SHORING AS APPROPRIATE.
- 5.) REFERENCE SHEET TMP-82 FOR ADDITIONAL DETAIL REGARDING TRAFFIC MANAGEMENT AND SHORING.



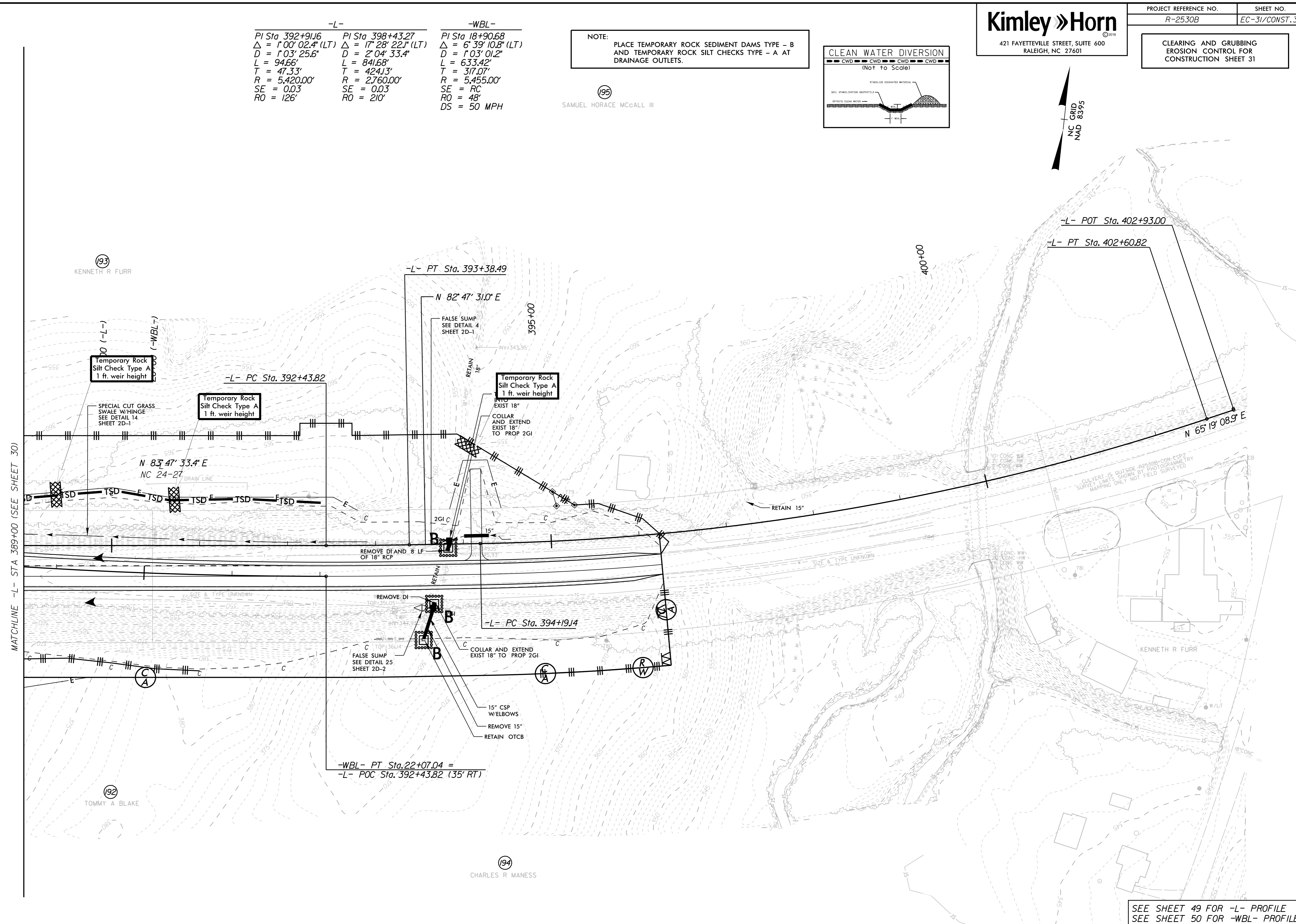
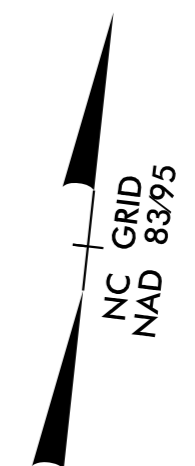
11/1/2018

-L-		-WBL-
PI Sta 392+91.6	PI Sta 398+43.27	PI Sta 18+90.68
$\Delta = 1'00'02.4''$ (LT)	$\Delta = 17'28'22.1''$ (LT)	$\Delta = 6'39'10.8''$ (LT)
D = 1'03'25.6"	D = 2'04'33.4"	D = 1'03'01.2"
L = 94.66'	L = 841.68'	L = 633.42'
T = 47.33'	T = 424.13'	T = 317.07'
R = 5,420.00'	R = 2,760.00'	R = 5,455.00'
SE = 0.03	SE = 0.03	SE = RC
RO = 126'	RO = 210'	RO = 48'
		DS = 50 MPH

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



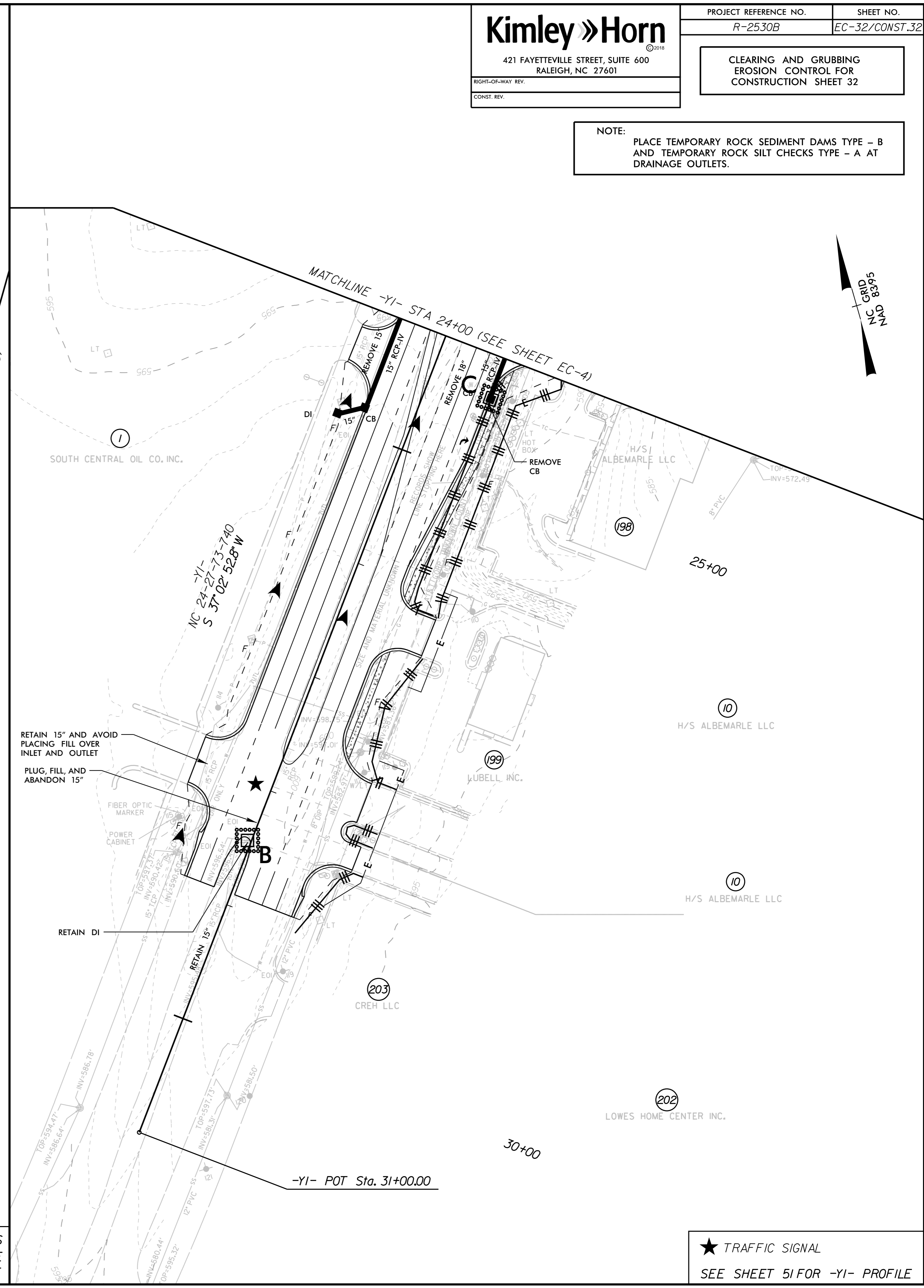
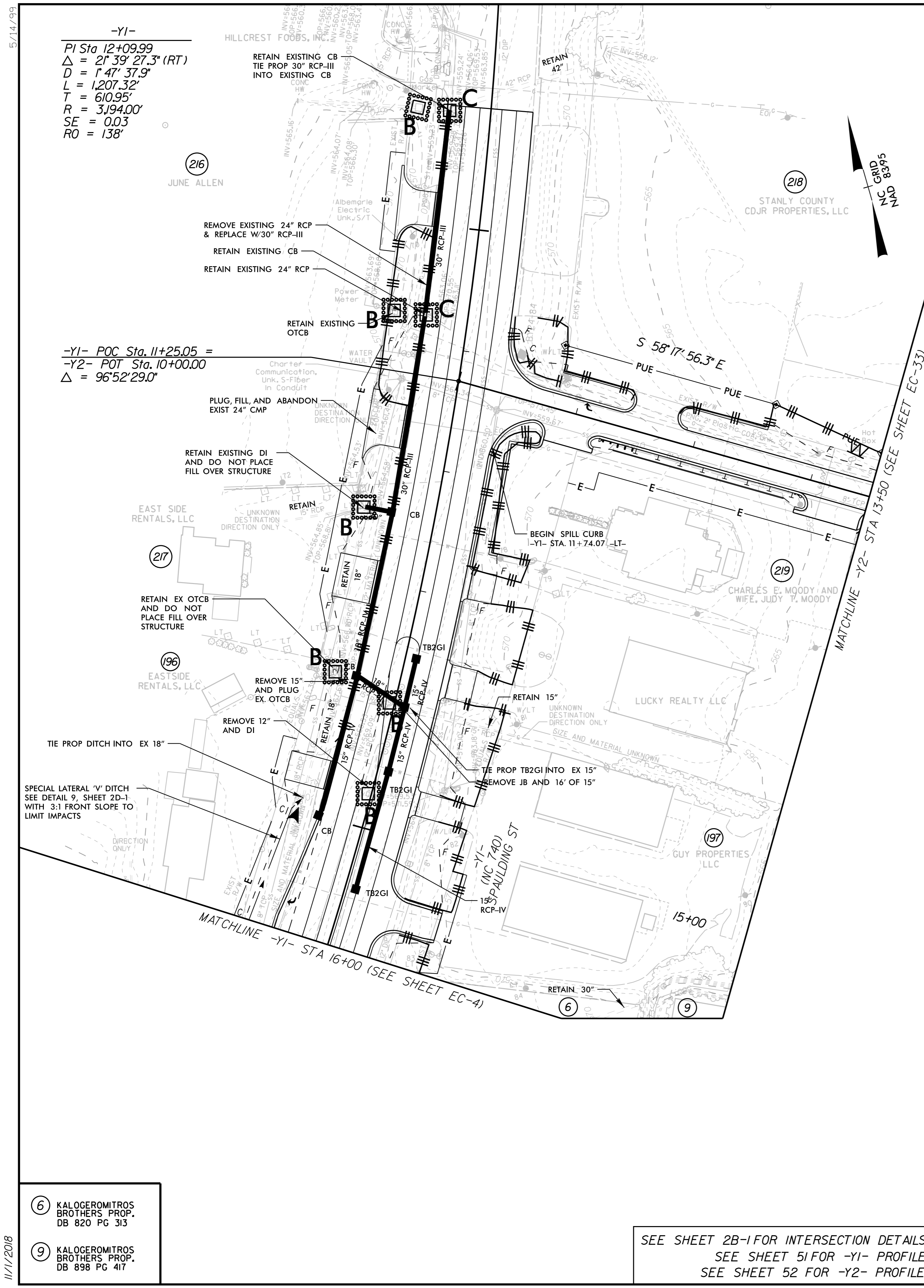
(195)
 SAMUEL HORACE MCCALL III



MATCHLINE -L- STA 389+00 (SEE SHEET 30)

SEE SHEET 49 FOR -L- PROFILE
 SEE SHEET 50 FOR -WBL- PROFILE

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



-Y1-
PI Sta 12+09.99
Δ = 21°39'27.3" (RT)
D = 147'37.9"
L = 1207.32'
T = 610.95'
R = 3194.00'
SE = 0.03
RO = 138'

-Y1- POC Sta. 11+25.05 =
-Y2- POT Sta. 10+00.00
Δ = 96°52'29.0"

- 6 KALOGERMITROS BROTHERS PROP. DB 820 PG 313
- 9 KALOGERMITROS BROTHERS PROP. DB 898 PG 417

SEE SHEET 2B-1 FOR INTERSECTION DETAILS
SEE SHEET 51 FOR -Y1- PROFILE
SEE SHEET 52 FOR -Y2- PROFILE

★ TRAFFIC SIGNAL
SEE SHEET 51 FOR -Y1- PROFILE


5/14/99
11/1/2018

5/14/1999

204 KEITH & NANCY CARPENTER DB 1457 PG 249
205 DIANE AUSTIN DB 386 PG 507

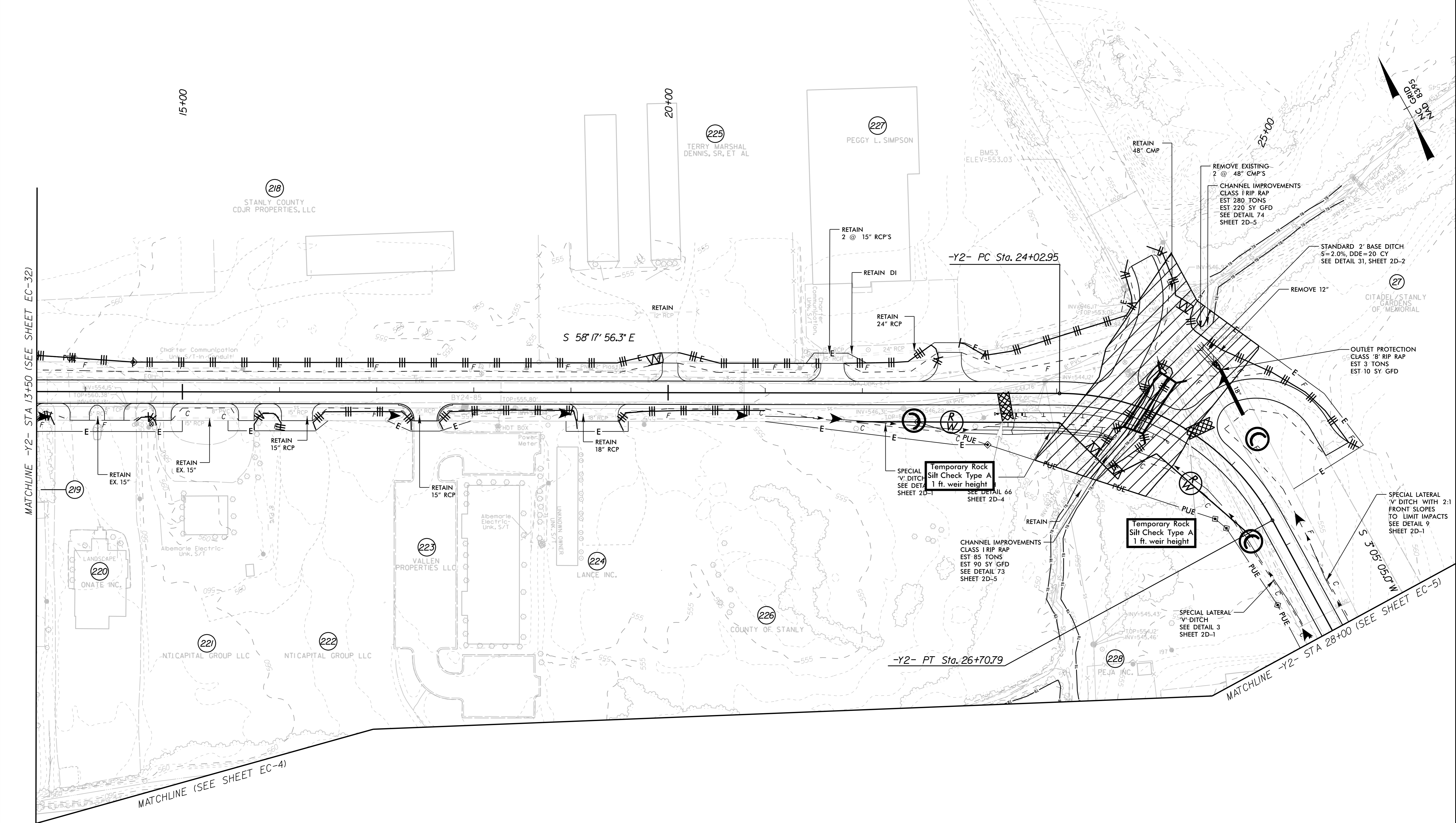
NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

-Y2-
PI Sta 25+51.34
 $\Delta = 61^{\circ} 23' 01.3'' (RT)$
 $D = 22^{\circ} 55' 05.9''$
 $L = 267.84'$
 $T = 148.39'$
 $*R = 250.00' (DS = 30 MPH)$
 $SE = 0.04$
 $RO = 84'$

 421 FAYETTEVILLE STREET, SUITE 600 RALEIGH, NC 27601	PROJECT REFERENCE NO.	SHEET NO.
	R-2530B	EC-33/CONST.33

RIGHT-OF-WAY REV.
CONST. REV.

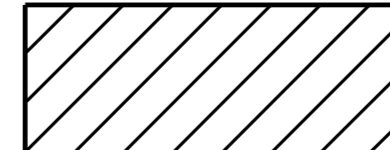
CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 33



MATCHLINE -Y2- STA 13+50 (SEE SHEET EC-32)

MATCHLINE (SEE SHEET EC-4)

MATCHLINE -Y2- STA 28+00 (SEE SHEET EC-5)

	ENVIRONMENTALLY SENSITIVE AREA SEE PROJECT SPECIAL PROVISIONS
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*DESIGN EXCEPTION REQUIRED FOR MINIMUM HORIZONTAL CURVE RADIUS SEE SHEET 52 FOR -Y2- PROFILE

11/1/2018

5/14/99

PROJECT REFERENCE NO. R-2530B	SHEET NO. EC-33A/CONST.33
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

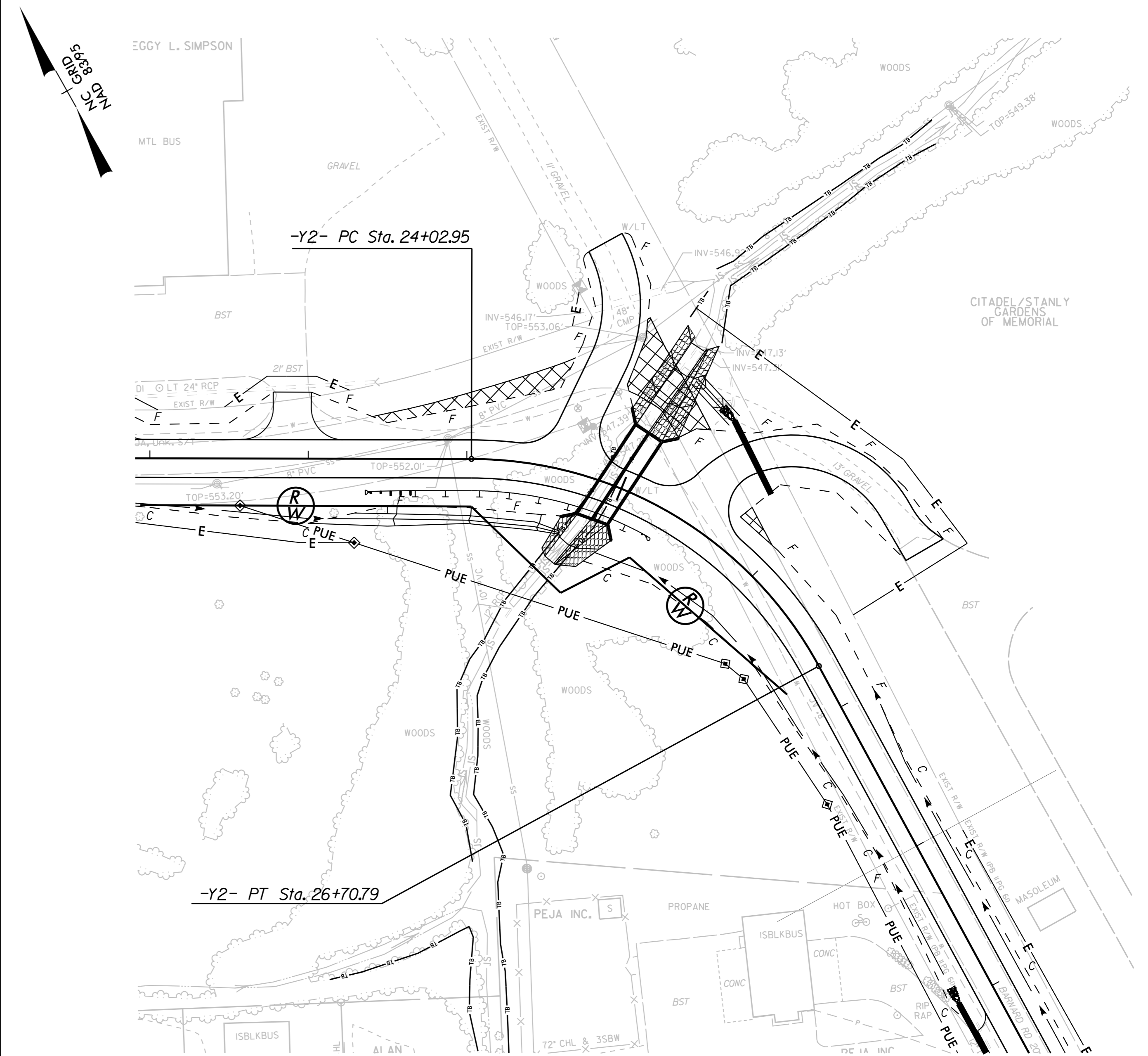
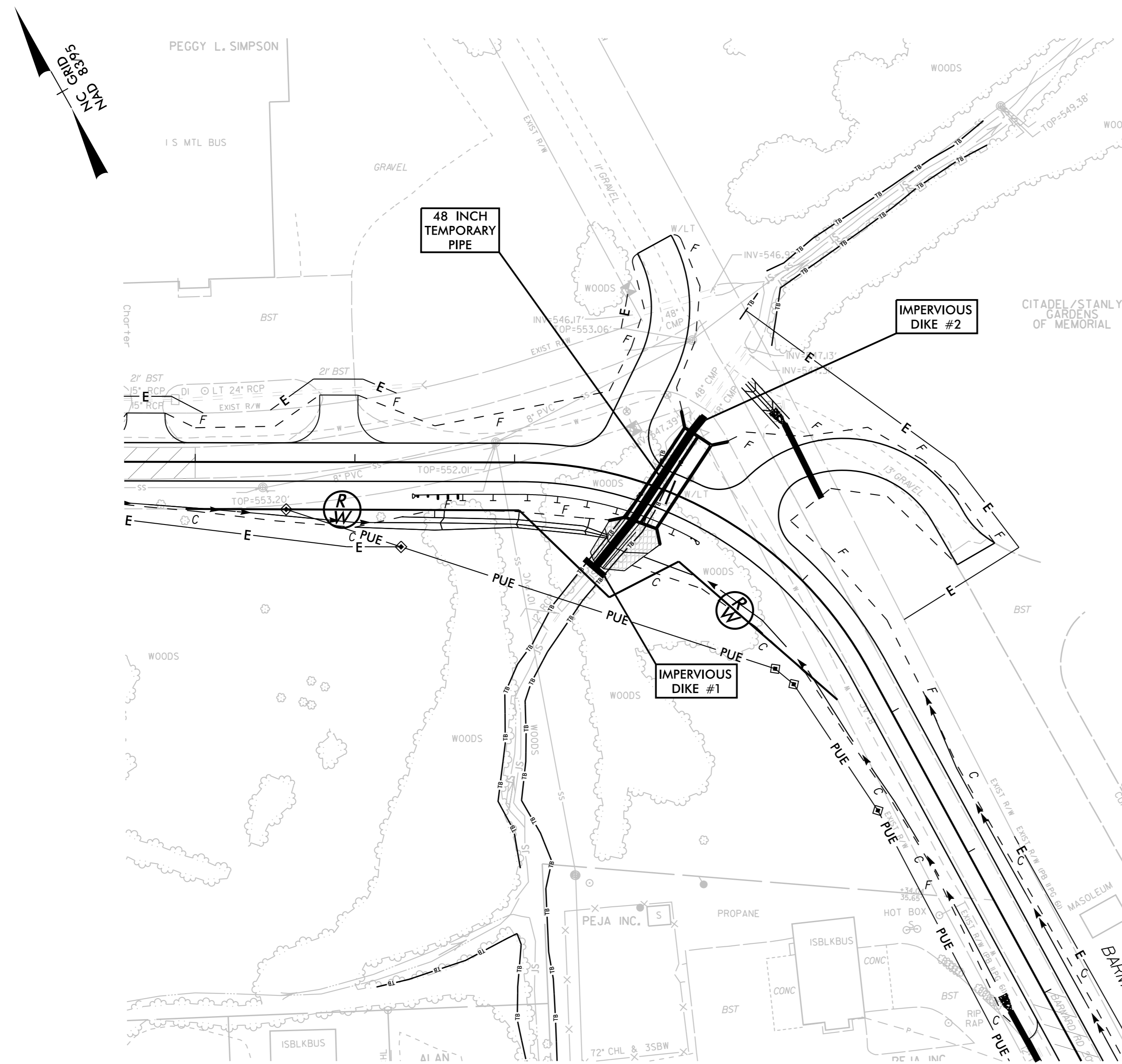
CULVERT CONSTRUCTION SEQUENCE STA. 24+95 -Y2-

PHASE I

- 1.) UTILIZE SPECIAL STILLING BASINS DURING CONSTRUCTION TO DEWATER WORK SITE. (TYP.)
- 2.) CONSTRUCT IMPERVIOUS DIKE #1 UPSTREAM OF CONSTRUCTION AREA. CONSTRUCT IMPERVIOUS DIKE #2 WITHIN EXISTING CULVERT AND ADD TEMPORARY PIPE BETWEEN DIKES.
- 3.) CONSTRUCT PROPOSED RCBC, HEADWALL, AND INLET CHANNEL IMPROVEMENTS IN ACCORDANCE WITH THE PLANS.
- 4.) REMOVE IMPERVIOUS DIKES #1 AND #2, AND TEMPORARY PIPE.
- 5.) COMPLETE ROADWAY IMPROVEMENTS AND MOVE ROADWAY OVER TO NEWLY CONSTRUCTED ROADWAY.
- 6.) REFERENCE SHEET TMP-32A FOR ADDITIONAL DETAIL REGARDING TRAFFIC MANAGEMENT.

PHASE II

- 1.) REMOVE EXIST ROADWAY AND CULVERTS.
- 2.) CONSTRUCT OUTLET CHANNEL IMPROVEMENTS.



11/1/2018

5/14/99

26 JAMES J NOLAN
DB I058 PG 648
PB 02 PG 106

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

RIGHT-OF-WAY REV.
CONST. REV.

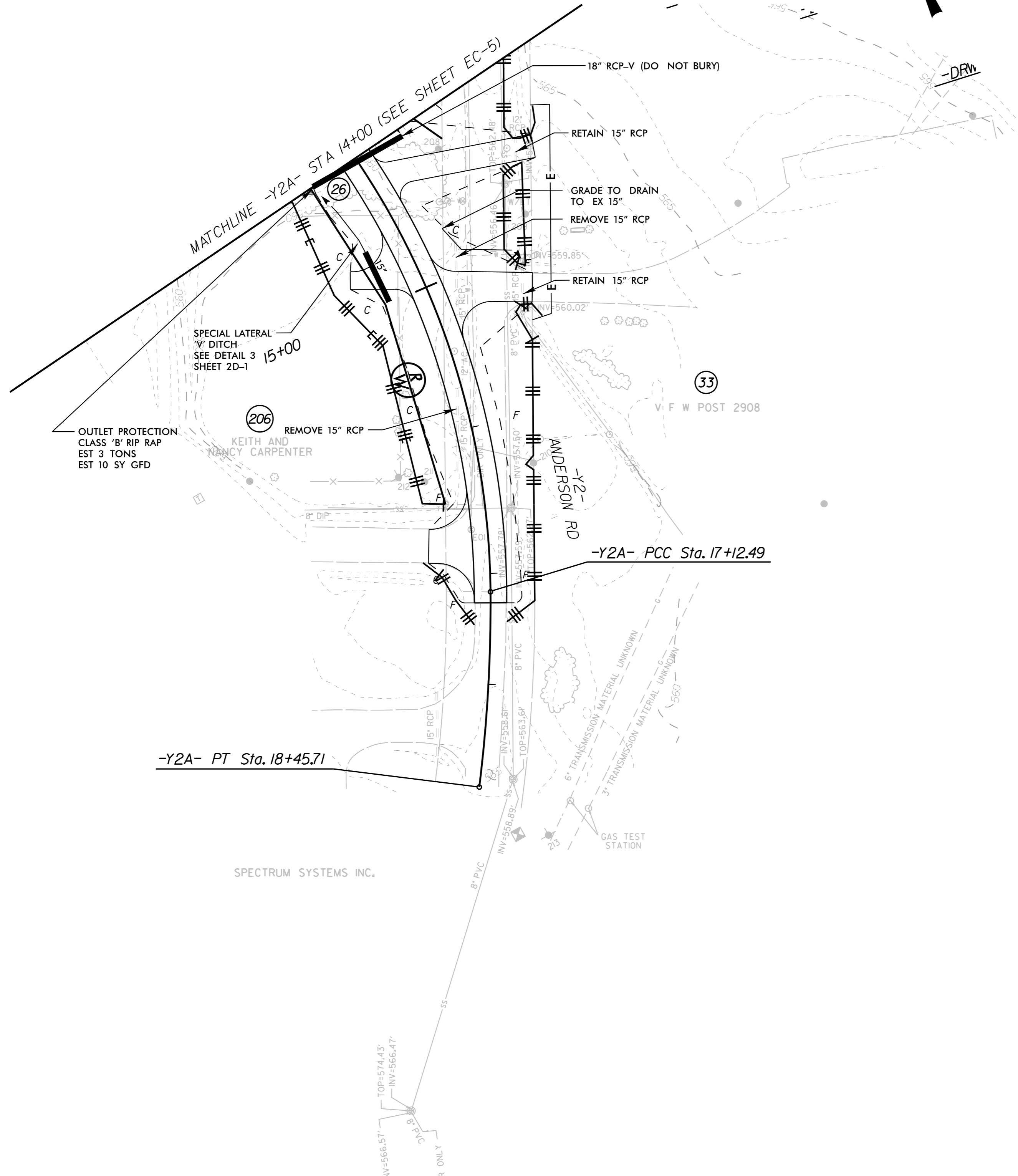
PROJECT REFERENCE NO.

R-2530B

SHEET NO.

EC-34/CONST. 34

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 34

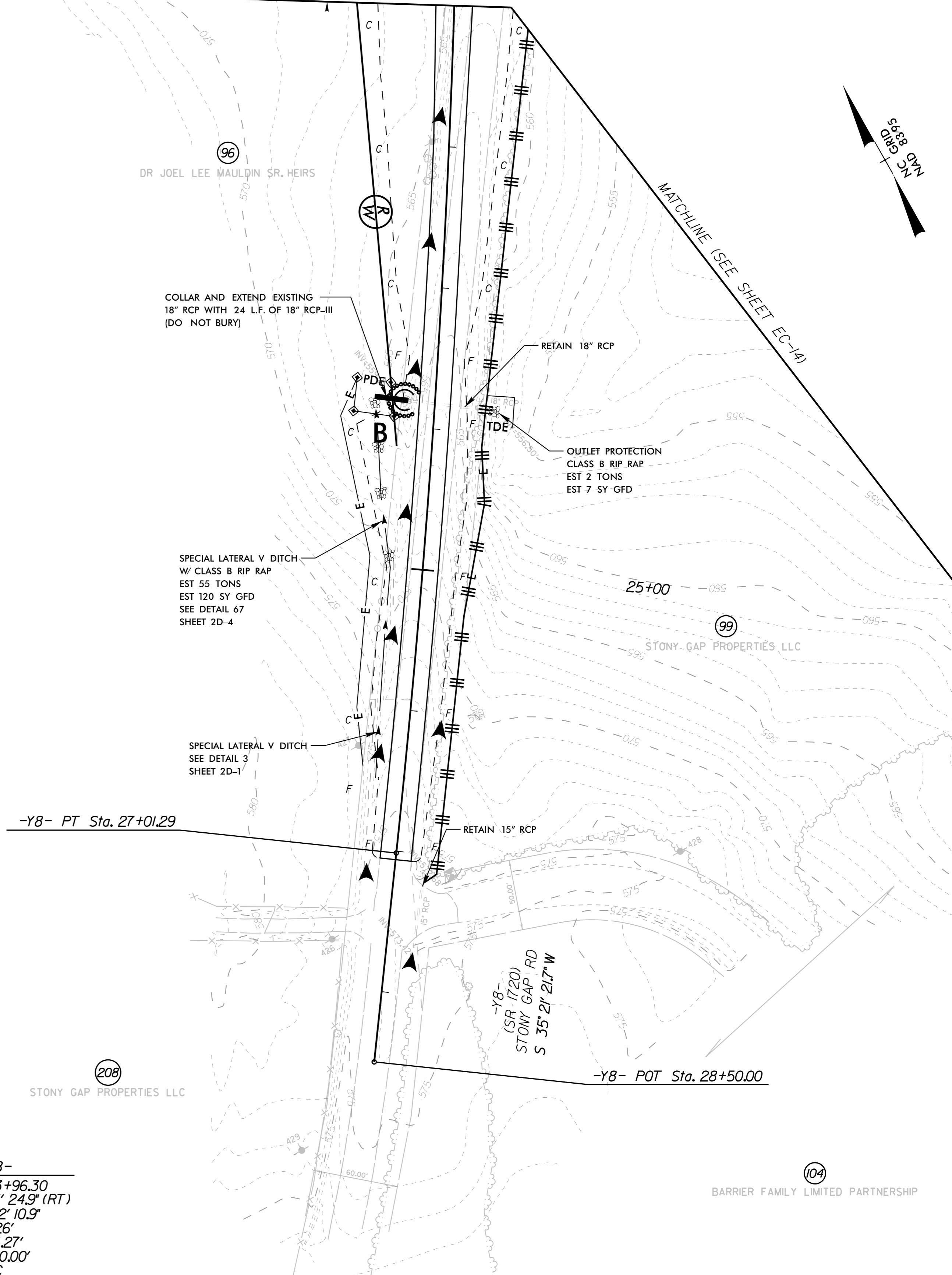


-Y2A-

PI Sta 17+78.95	PI Sta 21+77.93	PI Sta 24+03.74
$\Delta = 7' 36' 16.5''$ (RT)	$\Delta = 35' 25' 58.8''$ (RT)	$\Delta = 7' 36' 16.5''$ (RT)
D = 5' 43' 46.5"	D = 10' 44' 58.8"	D = 5' 43' 46.5"
L = 132.72'	L = 329.62'	L = 132.72'
T = 66.46'	T = 170.27'	T = 66.46'
R = 1,000.00'	R = 533.00'	R = 1,000.00'
SE = 0.04	SE = 0.04	SE = 0.04
RO = 84'	RO = 84'	RO = 84'

SEE SHEET 53 FOR -Y2A- PROFILE

MATCHLINE -Y8- STA 21+00 (SEE SHEET EC-13)



-Y8-

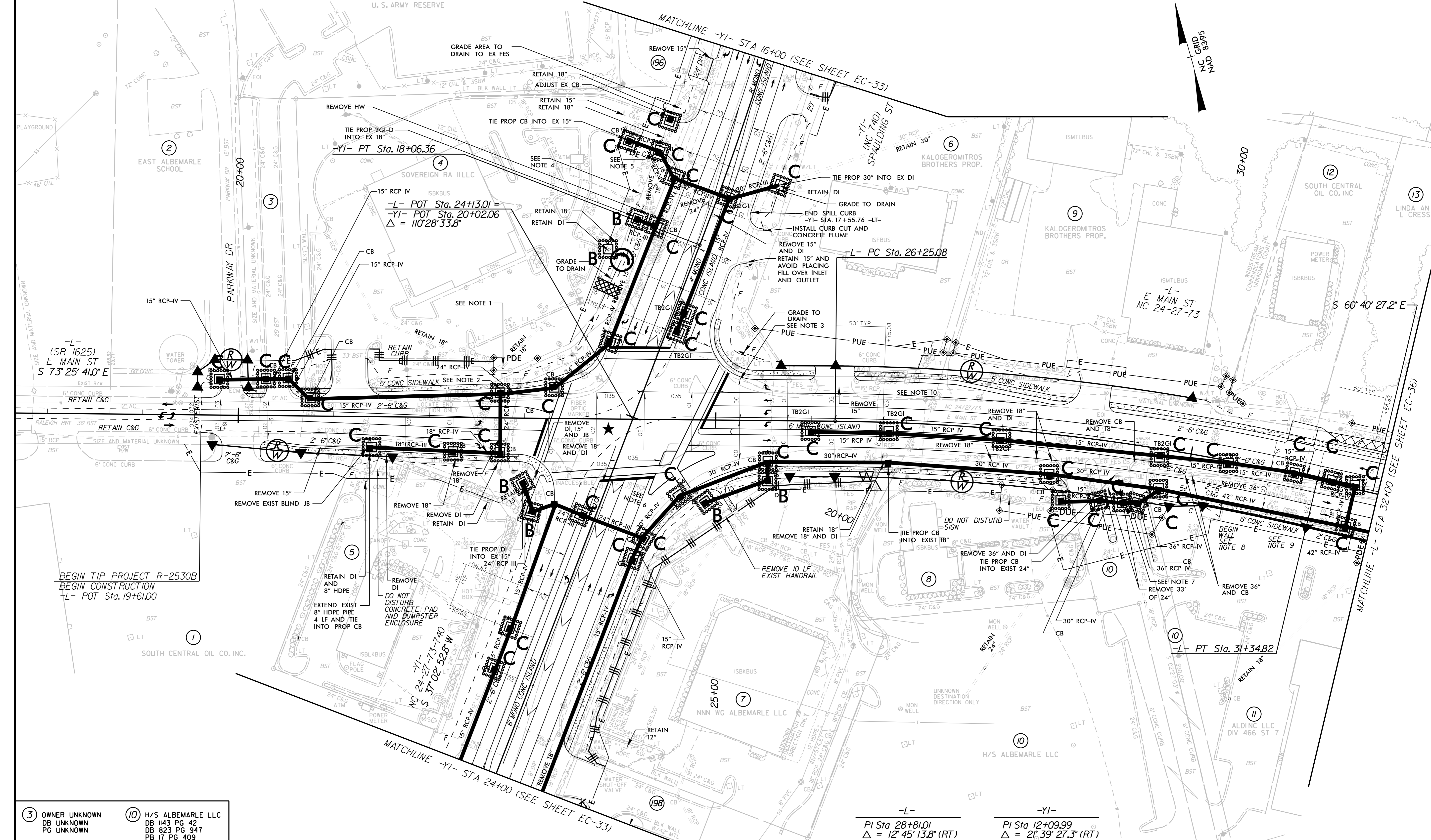
PI Sta 23+96.30
$\Delta = 4' 17' 24.9''$ (RT)
D = 0' 42' 10.9"
L = 610.26'
T = 305.27'
R = 8,150.00'
SE = NC
RO = NONE

SEE SHEET 54 FOR -Y8- PROFILE

11/1/2018

5/14/99

11/1/2018



- ③ OWNER UNKNOWN
DB UNKNOWN
PG UNKNOWN
- ⑤ SOUTH CENTRAL OIL CO. INC.
DB 267 PG 438
- ⑧ FIRST BANK INC
DB 1143 PG 46
PB 19 PG 218
- ⑩ H/S ALBEMARLE LLC
DB 1143 PG 42
PB 17 PG 409
- ⑬ ALLEN J WALLACE
DB 667 PG 186
- ⑭ H/S ALBEMARLE LLC
DB 1143 PG 42
DB 823 PG 947
PB 17 PG 409

NOTES:
1. RETAIN DI AND PLUG 18" RCP
2. REMOVE JB, 10", AND 18"
3. BEGIN SPILL CURB -L- STA 25+25 (42' LT)
4. REMOVE 72' LF OF EXIST 15"
5. REMOVE CB AND TIE PROP CB INTO EXIST 18"
6. PLUG, FILL AND ABANDON 18"
7. TIE PROP JB W/ MH INTO EXIST 24"

-L-	-YI-
PI Sta 28+81.01	PI Sta 12+09.99
$\Delta = 12' 45" 13.8" (RT)$	$\Delta = 2' 39" 27.3" (RT)$
$D = 2' 30" 07.2"$	$D = 1' 47" 37.9"$
$L = 509.75'$	$L = 1207.32'$
$T = 255.93'$	$T = 610.95'$
$R = 2,290.00'$	$R = 3,194.00'$
$SE = 0.03$	$SE = 0.03$
$RO = 150'$	$RO = 138'$

SEE SHEET 2B-1 FOR INTERSECTION DETAILS
SEE SHEET 34 FOR -L- PROFILE
SEE SHEETS 50 & 51 FOR -YI- PROFILE