

TIP PROJECT: U-4012

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL

DURHAM COUNTY

**LOCATION: US 15-501 FROM NORTH OF MT MORIAH ROAD
TO SOUTH OF GARRETT ROAD**

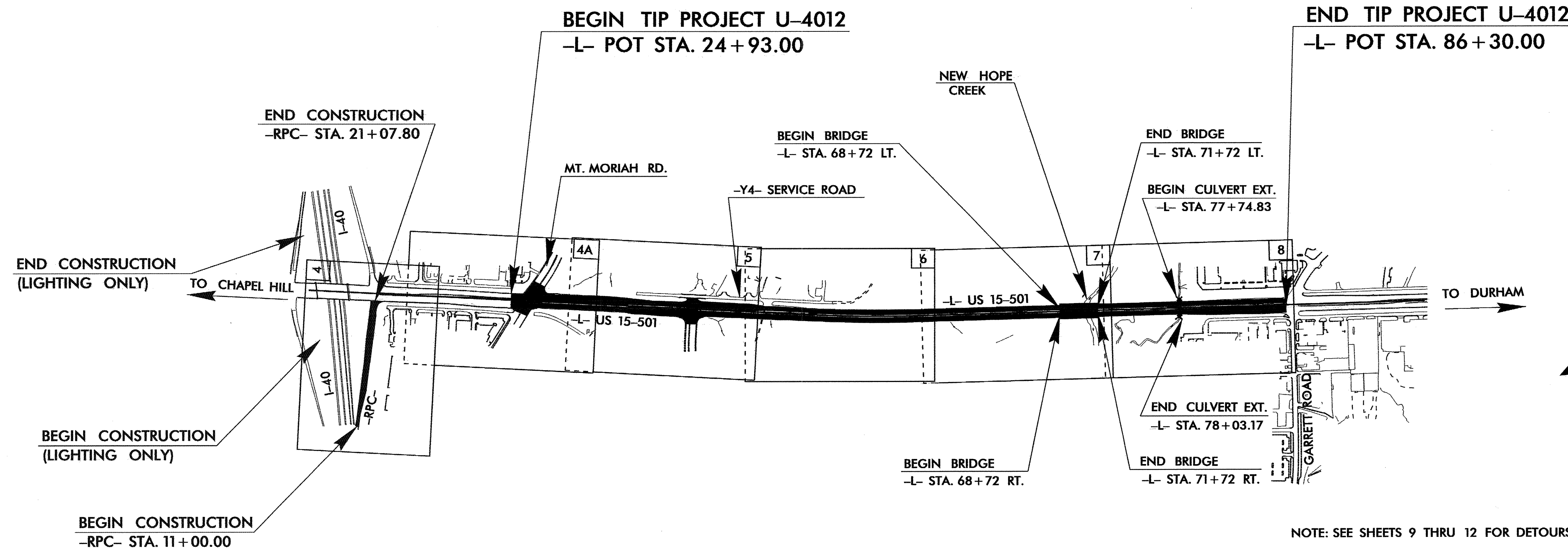
**TYPE OF WORK: GRADING, DRAINAGE, PAVING, WIDENING, LIGHTING,
RESURFACING, SIGNALS (MOD), STRUCTURES,
AND CULVERT**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-4012	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
	Streambank Reforestation.....	
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.....	
1630.01	Riser Basin.....	
1630.02	Silt Basin Type B.....	
1633.01	Temporary Rock Silt Check Type-A.....	
	Temporary Rock Silt Check Type-B.....	
1634.01	Temporary Rock Sediment Dam Type-A.....	
1634.02	Temporary Rock Sediment Dam Type-B.....	
1635.01	Rock Pipe Inlet Sediment Trap Type-A.....	
1635.02	Rock Pipe Inlet Sediment Trap Type-B.....	
1630.04	Stilling Basin.....	
	Rock Inlet Sediment Trap:	
1632.01	Type A.....	
1632.02	Type B.....	
1632.03	Type C.....	
	Skimmer Basin.....	
	Tiered Skimmer Basin.....	

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



NOTE: SEE SHEETS 9 THRU 12 FOR DETOURS

GRAPHIC SCALE

0

PLANS

0

PROFILE (HORIZONTAL)

0

PROFILE (VERTICAL)

ROADSIDE ENVIRONMENTAL UNIT
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

Prepared in the Office of:
ROADSIDE ENVIRONMENTAL UNIT
1 South Wilmington St.
Raleigh, NC 27611

2006 STANDARD SPECIFICATIONS

Roadway Standard Drawings

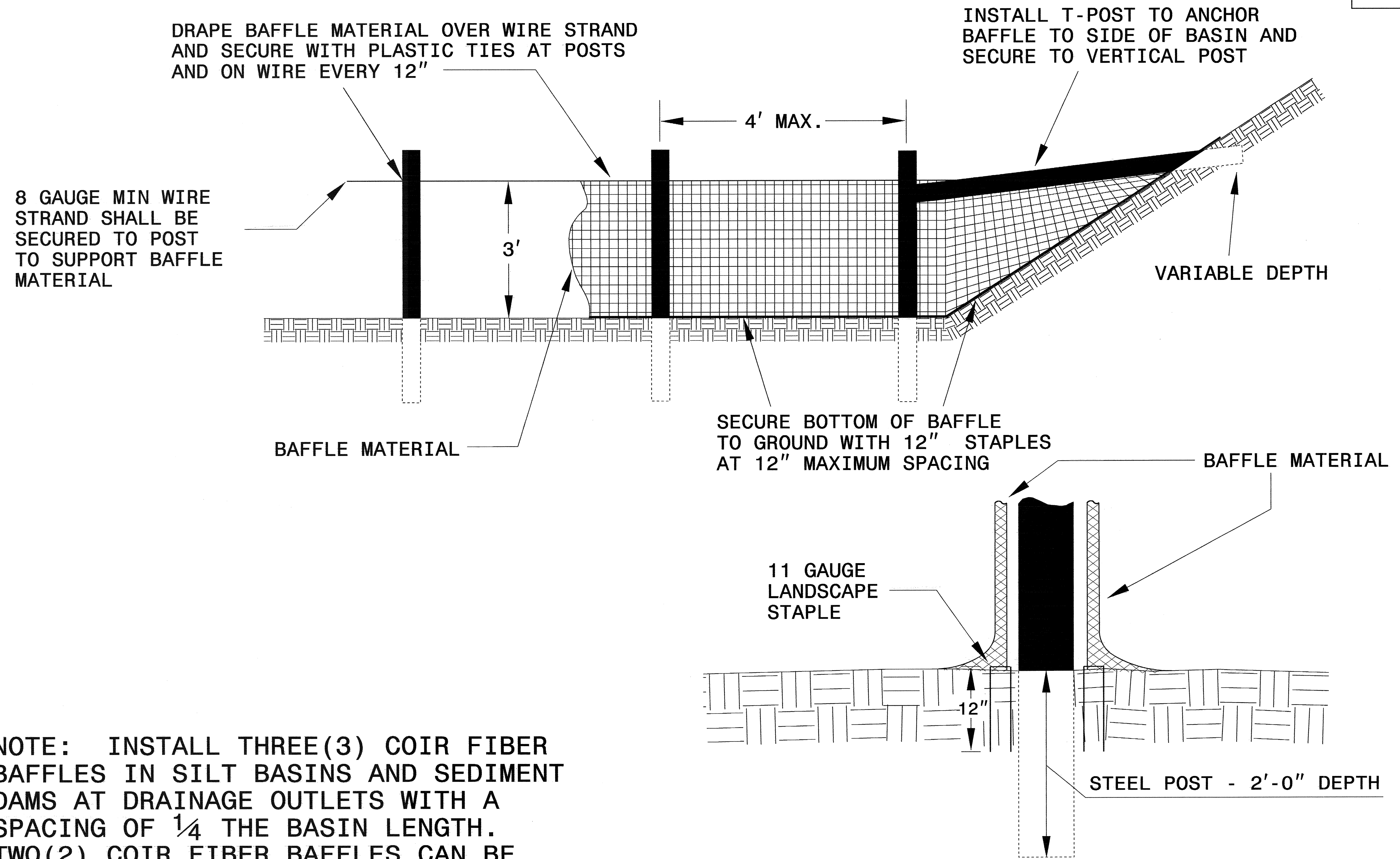
The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated July 18, 2006 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

1605.01 Temporary Silt Fence	1630.06 Special Stilling Basin
1607.01 Gravel Construction Entrance	1632.01 Rock Inlet Sediment Trap Type A
1622.01 Temporary Berms and Slope Drains	1632.03 Rock Inlet Sediment Trap Type C
1630.02 Silt Basin Type B	1633.01 Temporary Rock Silt Check 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	

16-MAR-2007 10:01
\\p01\projects\16012\external\design\ur012.tsh

PROJECT REFERENCE NO. U-4012	SHEET NO. EC-2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

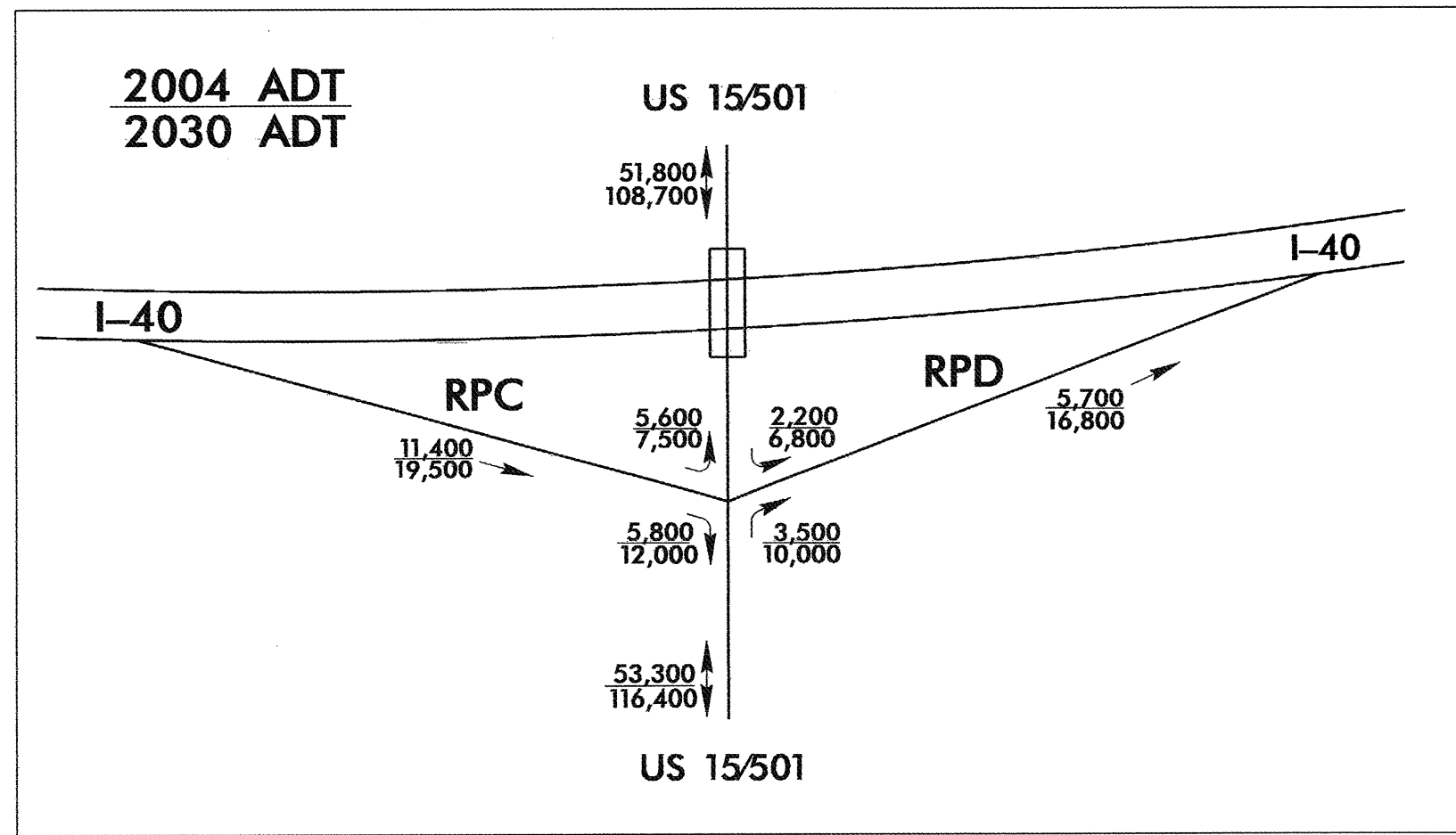
COIR FIBER BAFFLE DETAIL



NOTE: INSTALL THREE(3) COIR FIBER BAFFLES IN SILT BASINS AND SEDIMENT DAMS AT DRAINAGE OUTLETS WITH A SPACING OF $\frac{1}{4}$ THE BASIN LENGTH. TWO(2) COIR FIBER BAFFLES CAN BE INSTALLED IN SILT BASINS AND DAMS LESS THAN 20 FT. IN LENGTH WITH A SPACING OF $\frac{1}{3}$ THE BASIN LENGTH.

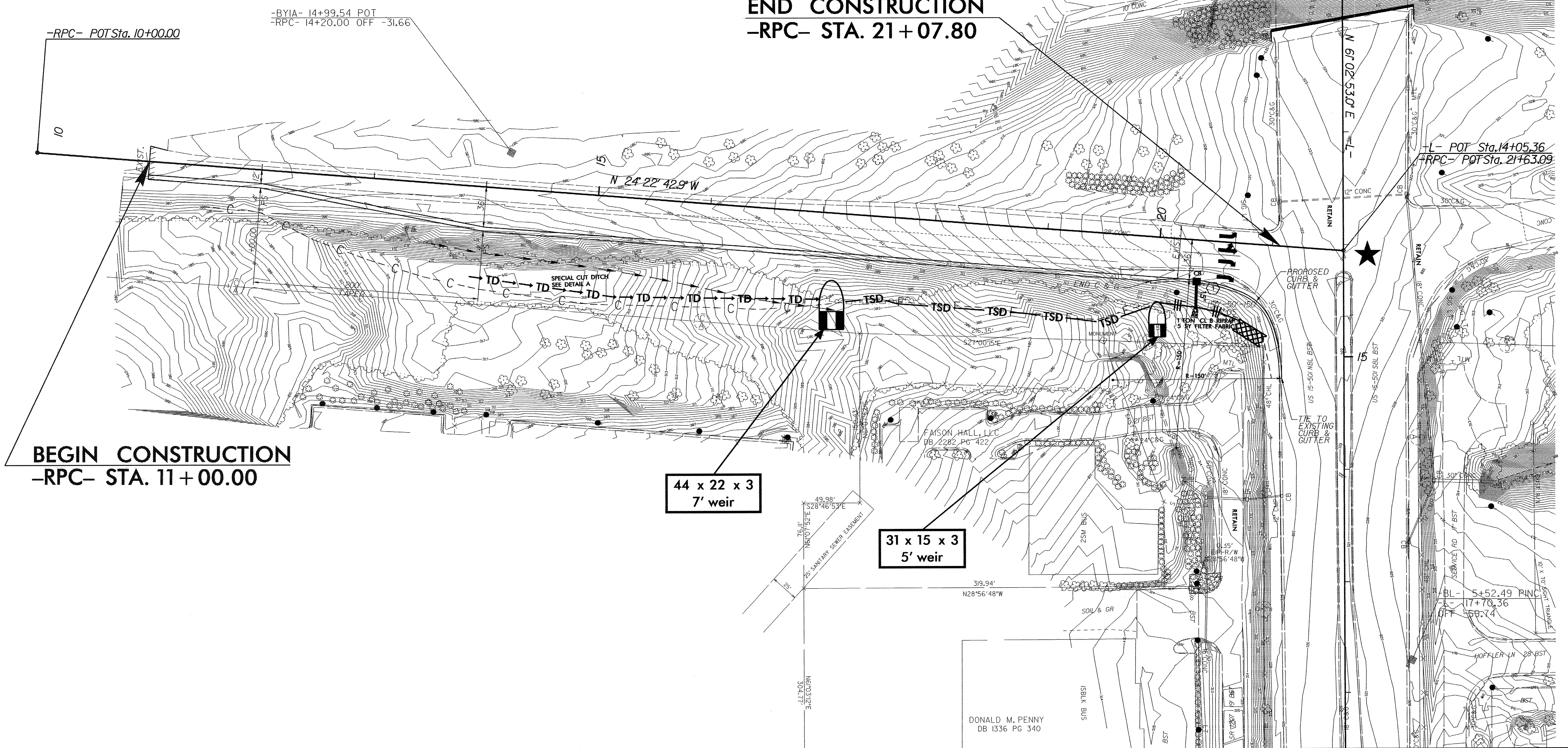
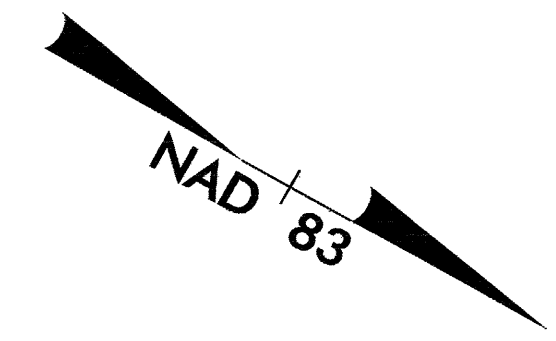
BAFFLE MATERIAL SHALL BE SECURED TO THE BOTTOM AND SIDES OF BASIN USING 12" LANDSCAPE STAPLES

PROJECT REFERENCE NO.	SHEET NO.
U-4012	EC-4/CONST.4
R/W SHEET NO.	4
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



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 4



BEGIN CONSTRUCTION
-RPC- STA. 11+00.00

END CONSTRUCTION
-RPC- STA. 21+07.80

**44 x 22 x 3
7' weir**

**31 x 15 x 3
5' weir**

★ **UPGRADE EXISTING TRAFFIC SIGNAL.**

-SEE SHEET 2-F FOR DRAINAGE DETAILS.
-SEE SHEET 18 FOR -RPC- PROFILE.

MATCH LINE SEE SHEET 4 -L- STA 18+50.00

PROJECT REFERENCE NO.	SHEET NO.
U-4012	EC-5/CONST.4A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

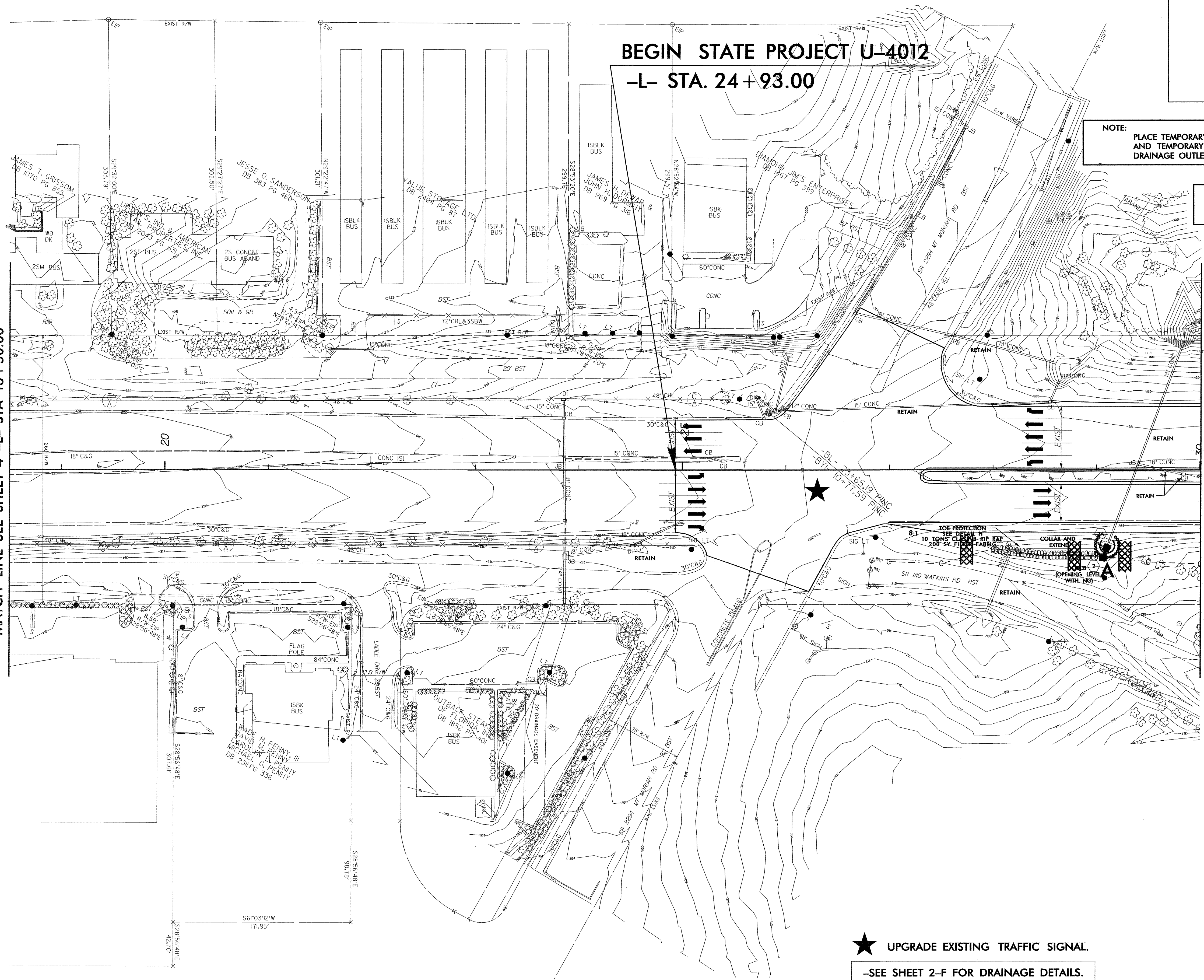
BEGIN STATE PROJECT U-4012
-L- STA. 24+93.00

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 4A**

MATCH LINE SEE SHEET 4 -L- STA 18+50.00

MATCH LINE SEE SHEET 5 -L- STA 30+00.00



★ UPGRADE EXISTING TRAFFIC SIGNAL.

-SEE SHEET 2-F FOR DRAINAGE DETAILS.
 -SEE SHEET 13 FOR -L- PROFILE.

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

BERTA P. MCFARLAND ESTATE
DB 1097 PG 907

1 ALFRIEDA B. POLCARO
JOSEPH J. POLCARO &
DB 968 PG 237

MARION H. HUANG &
YANG LEE KUNG PING
DB 394 PG 375

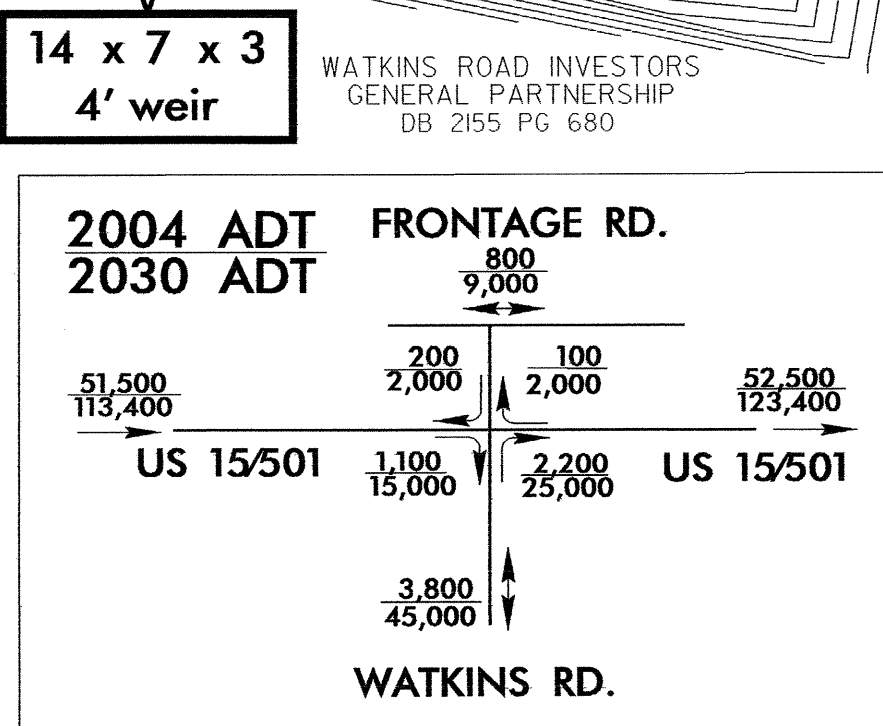
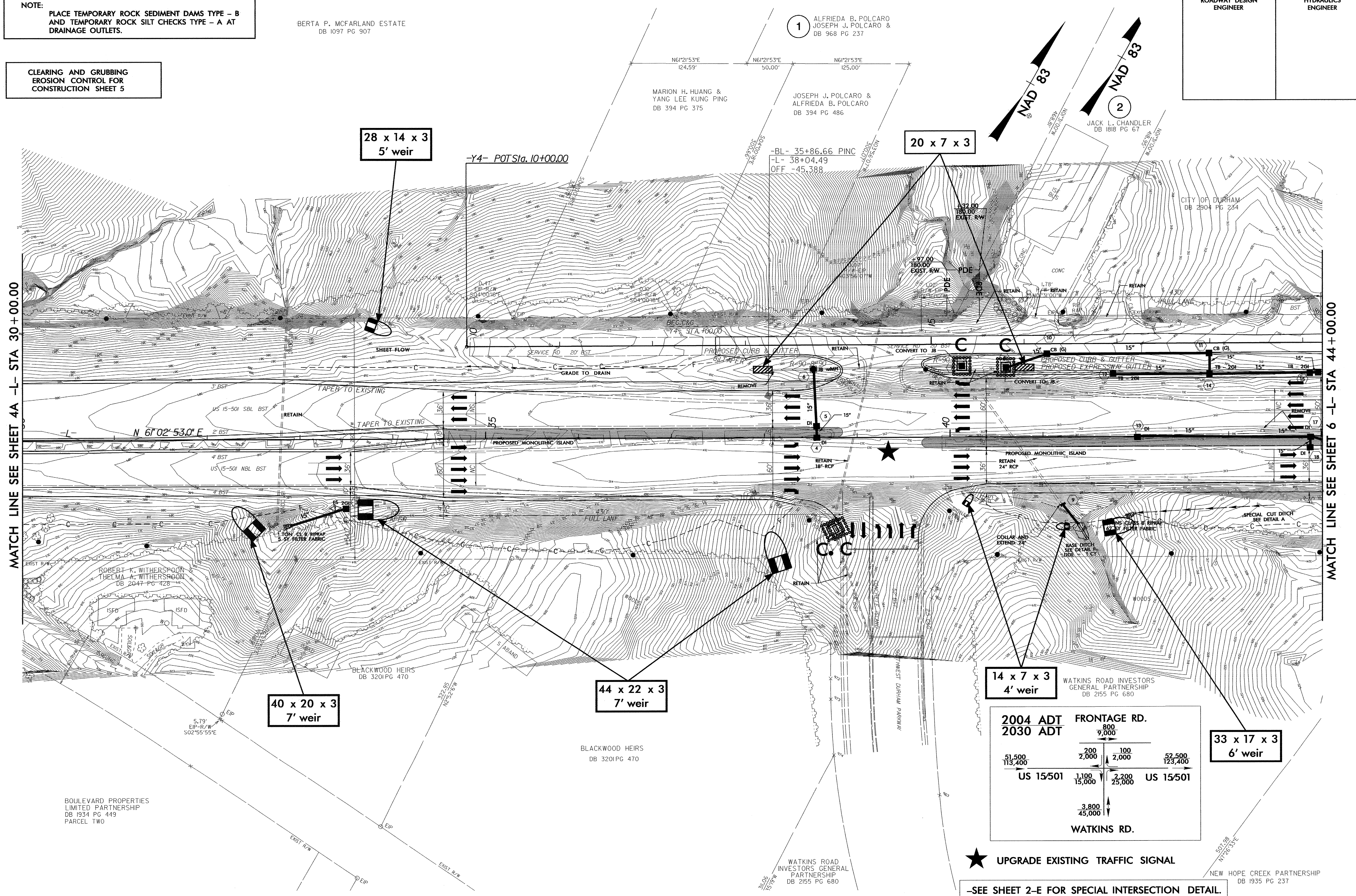
JOSEPH J. POLCARO &
ALFRIEDA B. POLCARO
DB 394 PG 486

2 JACK L. CHANDLER
DB 1818 PG 67

CITY OF DURHAM
DB 2904 PG 234

MATCH LINE SEE SHEET 4A -L- STA 30+00.00

MATCH LINE SEE SHEET 6 -L- STA 44+00.00



★ UPGRADE EXISTING TRAFFIC SIGNAL

-SEE SHEET 2-E FOR SPECIAL INTERSECTION DETAIL.
-SEE SHEET 2-F FOR DRAINAGE DETAILS.
-SEE SHEETS 13 AND 15 FOR -L- PROFILES.

BOULEVARD PROPERTIES
LIMITED PARTNERSHIP
DB 1934 PG 449
PARCEL TWO

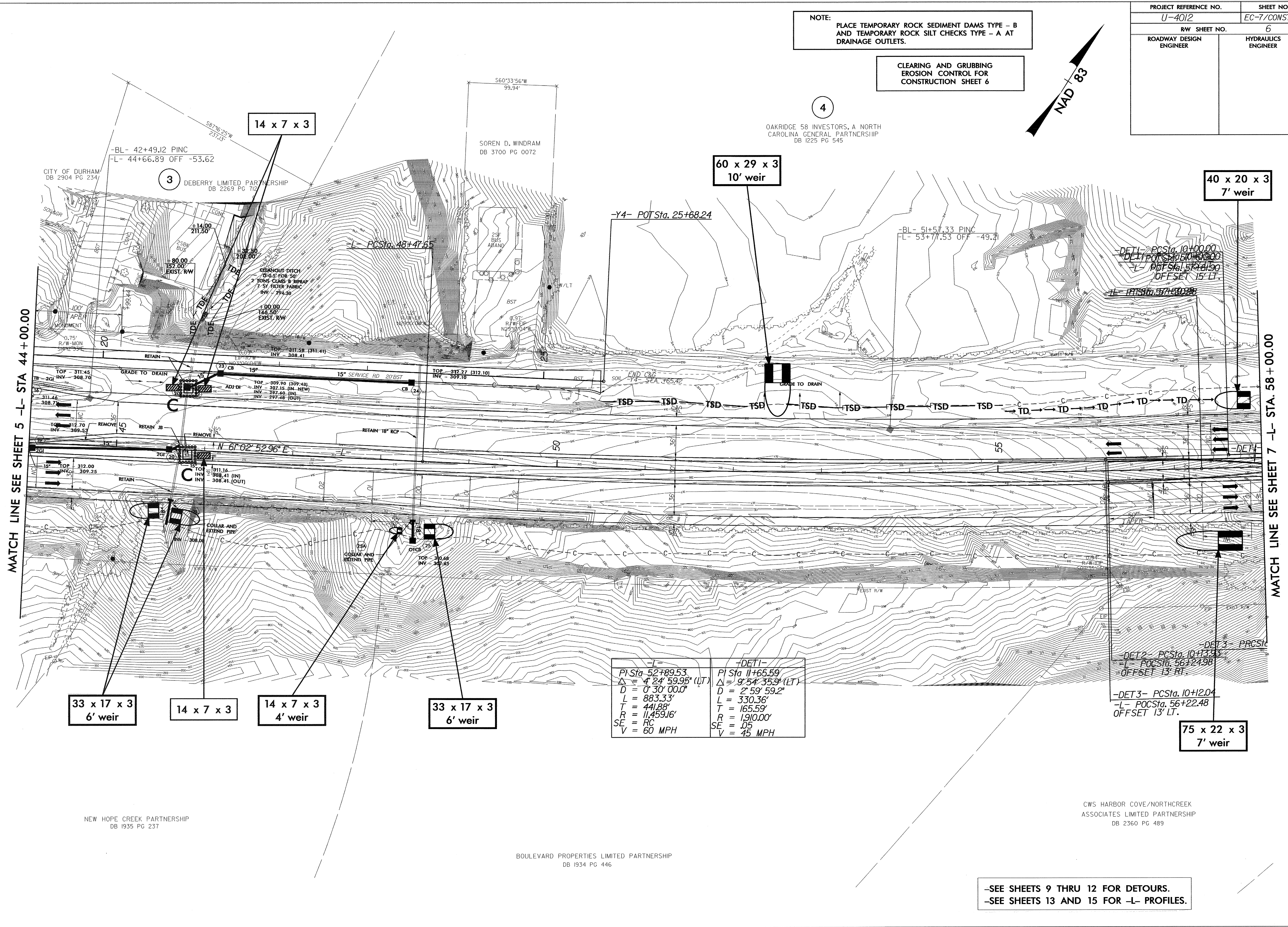
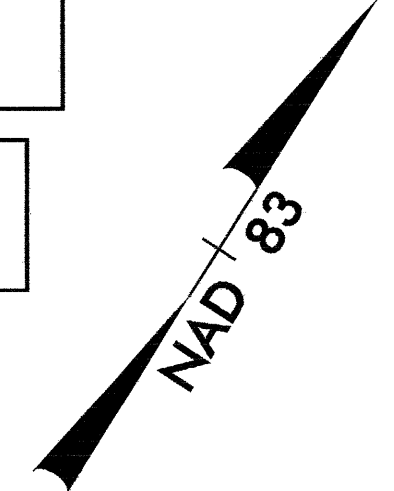
BLACKWOOD HEIRS
DB 3201 PG 470

WATKINS ROAD INVESTORS GENERAL PARTNERSHIP
DB 2155 PG 680

NEW HOPE CREEK PARTNERSHIP
DB 1935 PG 237

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

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 6



-I-	-DET1-
PI Sta 52+89.53	PI Sta 11+65.59
$\Delta = 4' 24' 59.95"$ (LT)	$\Delta = 9' 54' 35.9"$ (LT)
$D = 0' 30' 00.0"$	$D = 2' 59' 59.2"$
$L = 883.33'$	$L = 330.36'$
$T = 441.88'$	$T = 165.59'$
$R = 11,459.16'$	$R = 1,910.00'$
SE = RC	SE = 05
V = 60 MPH	V = 45 MPH

MATCH LINE SEE SHEET 5 -L- STA 44+00.00

MATCH LINE SEE SHEET 7 -L- STA 58+00.00

NEW HOPE CREEK PARTNERSHIP
DB 1935 PG 237

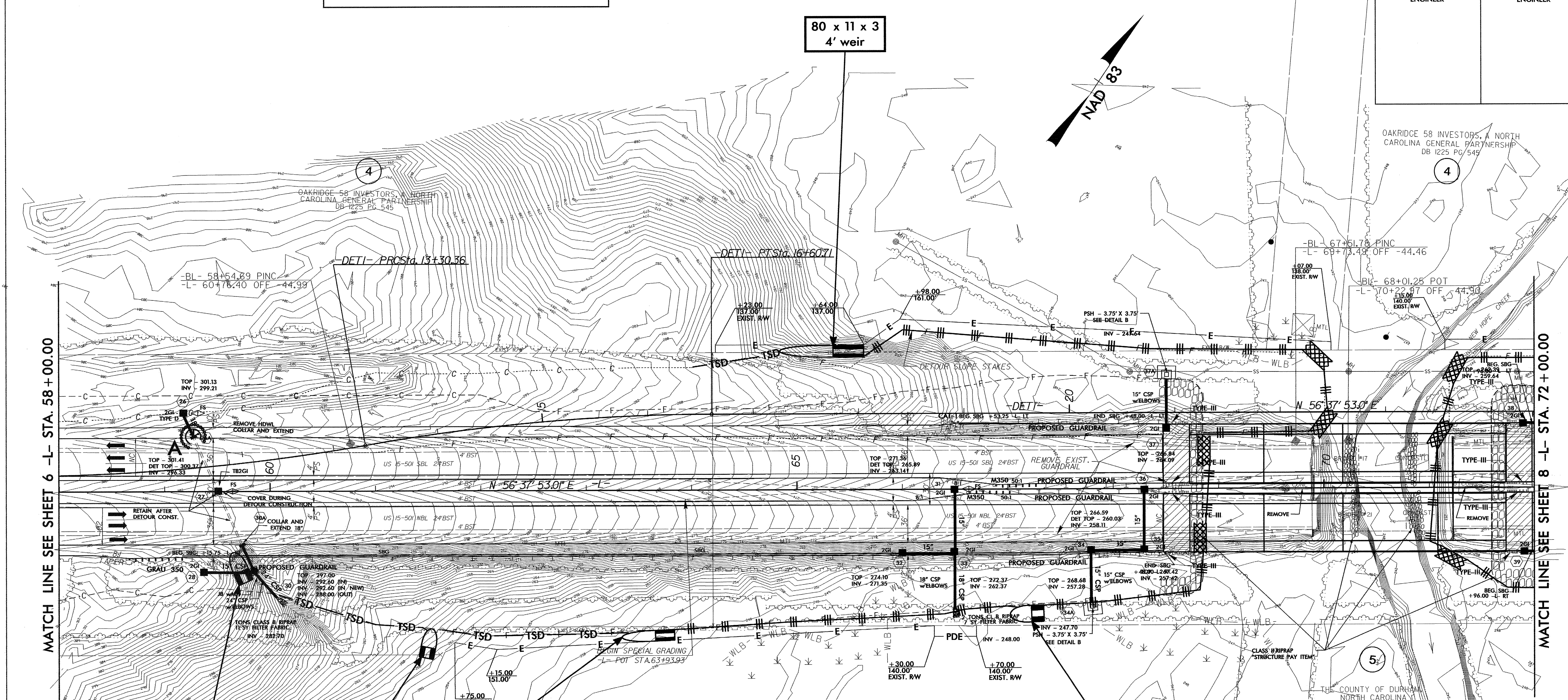
BOULEVARD PROPERTIES LIMITED PARTNERSHIP
DB 1934 PG 446

CWS HARBOR COVE/NORTHCREEK
ASSOCIATES LIMITED PARTNERSHIP
DB 2360 PG 489

-SEE SHEETS 9 THRU 12 FOR DETOURS.
-SEE SHEETS 13 AND 15 FOR -L- PROFILES.

PROJECT REFERENCE NO. U-4012	SHEET NO. EC-8/CONST.7
RW SHEET NO. 7	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE:
UTILIZE SPECIAL STILLING BASIN
AS STILLING BASIN WHERE APPLICABLE.



MATCH LINE SEE SHEET 6 -L- STA. 58+00.00

MATCH LINE SEE SHEET 8 -L- STA. 72+00.00

80 x 11 x 3
4' weir

31 x 15 x 3
5' weir

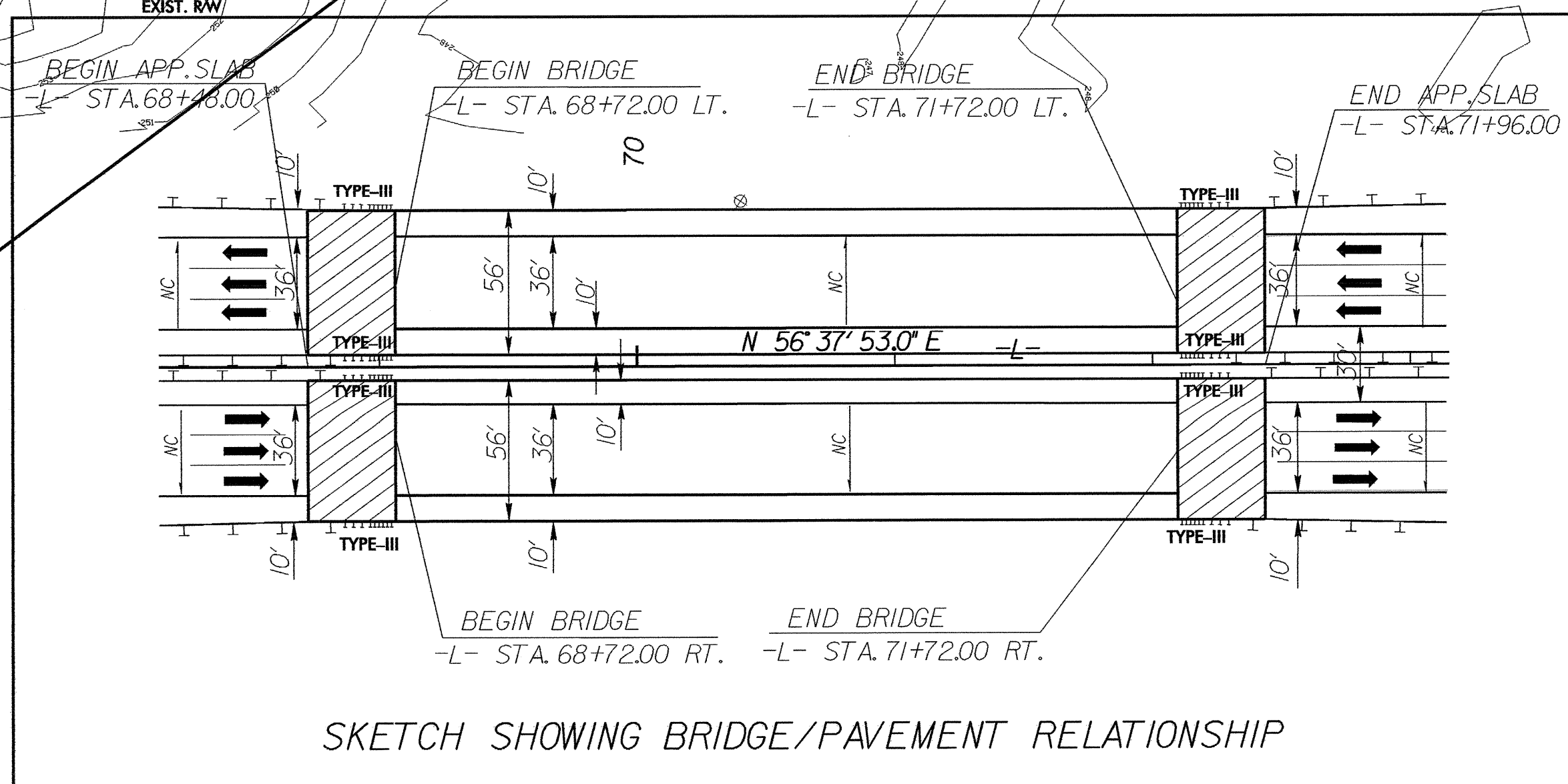
28 x 14 x 3
5' weir

50 x 10 x 3
4' weir

32 x 16 x 3
5' weir

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.



5
THE COUNTY OF DURHAM,
NORTH CAROLINA
DB 2047 PG 579

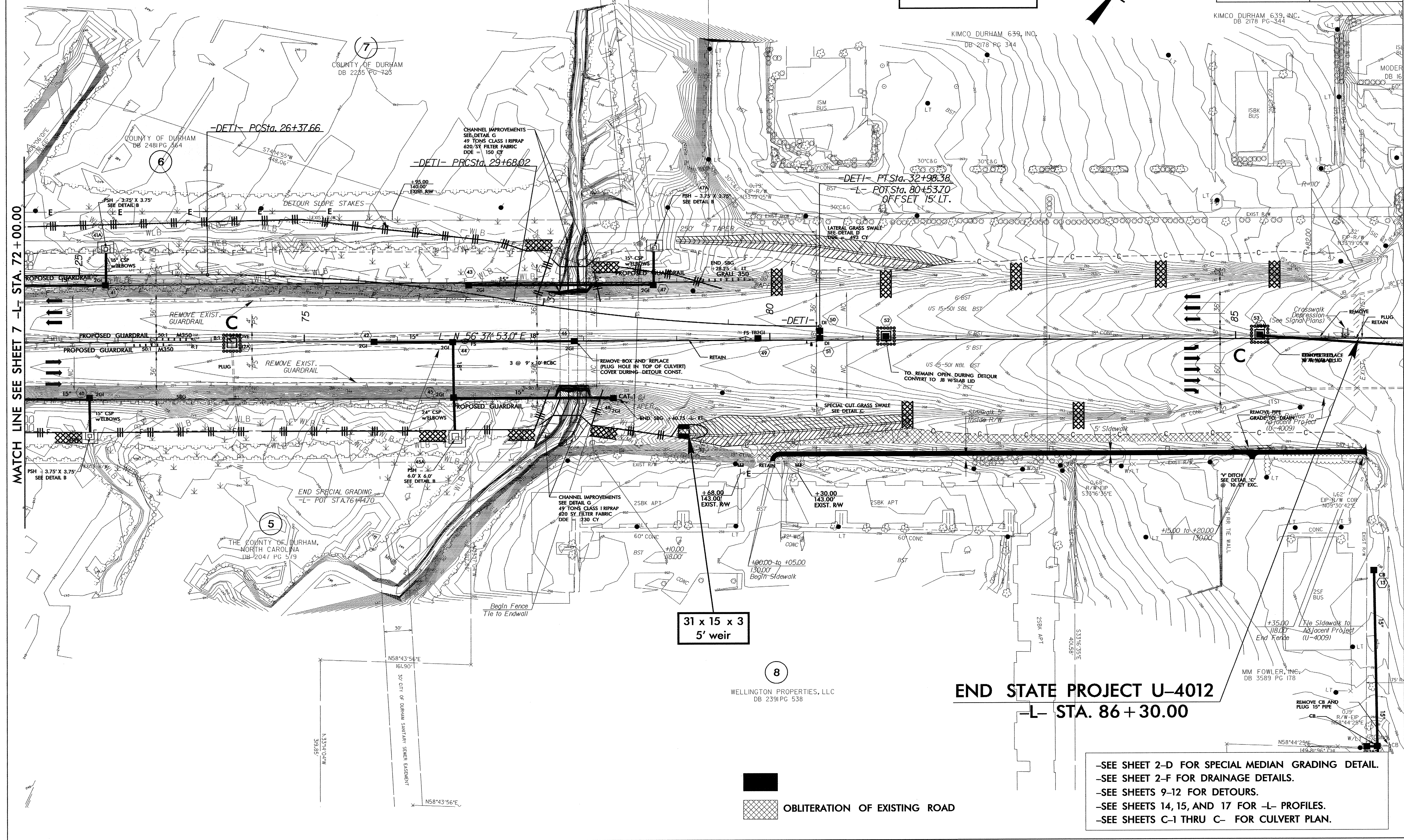
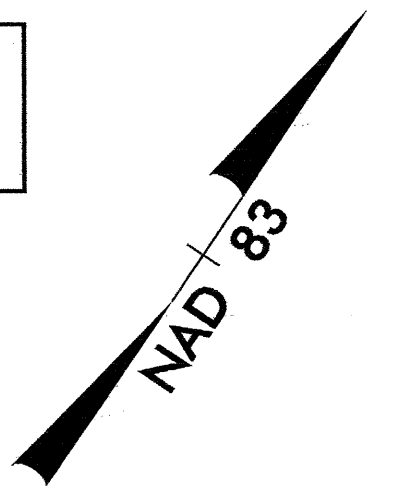
-SEE SHEET 2-C FOR STRUCTURE STAGING.
-SEE SHEET 2-D FOR SPECIAL/MEDIAN/GRADING DETAIL.
-SEE SHEETS 9 THRU 12 FOR DETOURS.
-SEE SHEETS 14 AND 16 FOR -L- PROFILES.
-SEE SHEETS S-1 THRU S-5 FOR STRUCTURE PLANS.

PROJECT REFERENCE NO.	SHEET NO.
U-4012	EC-9/CONST.8
RW SHEET NO. 8	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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.

INSTALL FILTER FABRIC UNDER
TEMPORARY ROCK SILT CHECK(S)
TYPE A IN PERMITTED WETLANDS.



MATCH LINE SEE SHEET 7 -L- STA. 72 + 00.00

31 x 15 x 3
5' weir

8
WELLINGTON PROPERTIES, LLC
DB 2391 PG 538

END STATE PROJECT U-4012
-L- STA. 86 + 30.00

OBLITERATION OF EXISTING ROAD

- SEE SHEET 2-D FOR SPECIAL MEDIAN GRADING DETAIL.
- SEE SHEET 2-F FOR DRAINAGE DETAILS.
- SEE SHEETS 9-12 FOR DETOURS.
- SEE SHEETS 14, 15, AND 17 FOR -L- PROFILES.
- SEE SHEETS C-1 THRU C- FOR CULVERT PLAN.

PROJECT REFERENCE NO. U-4012	SHEET NO. EC-10/CONST.B
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

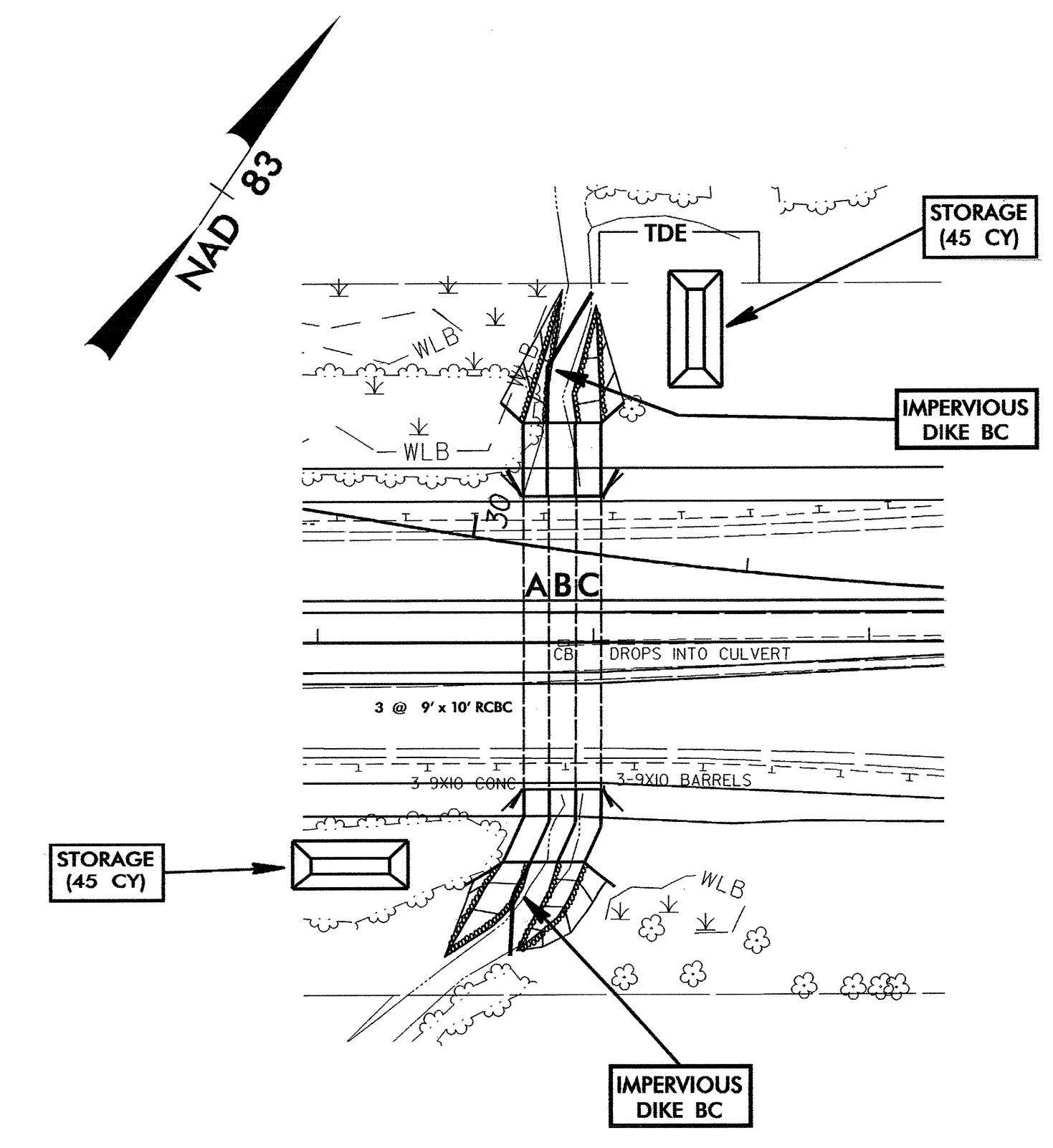
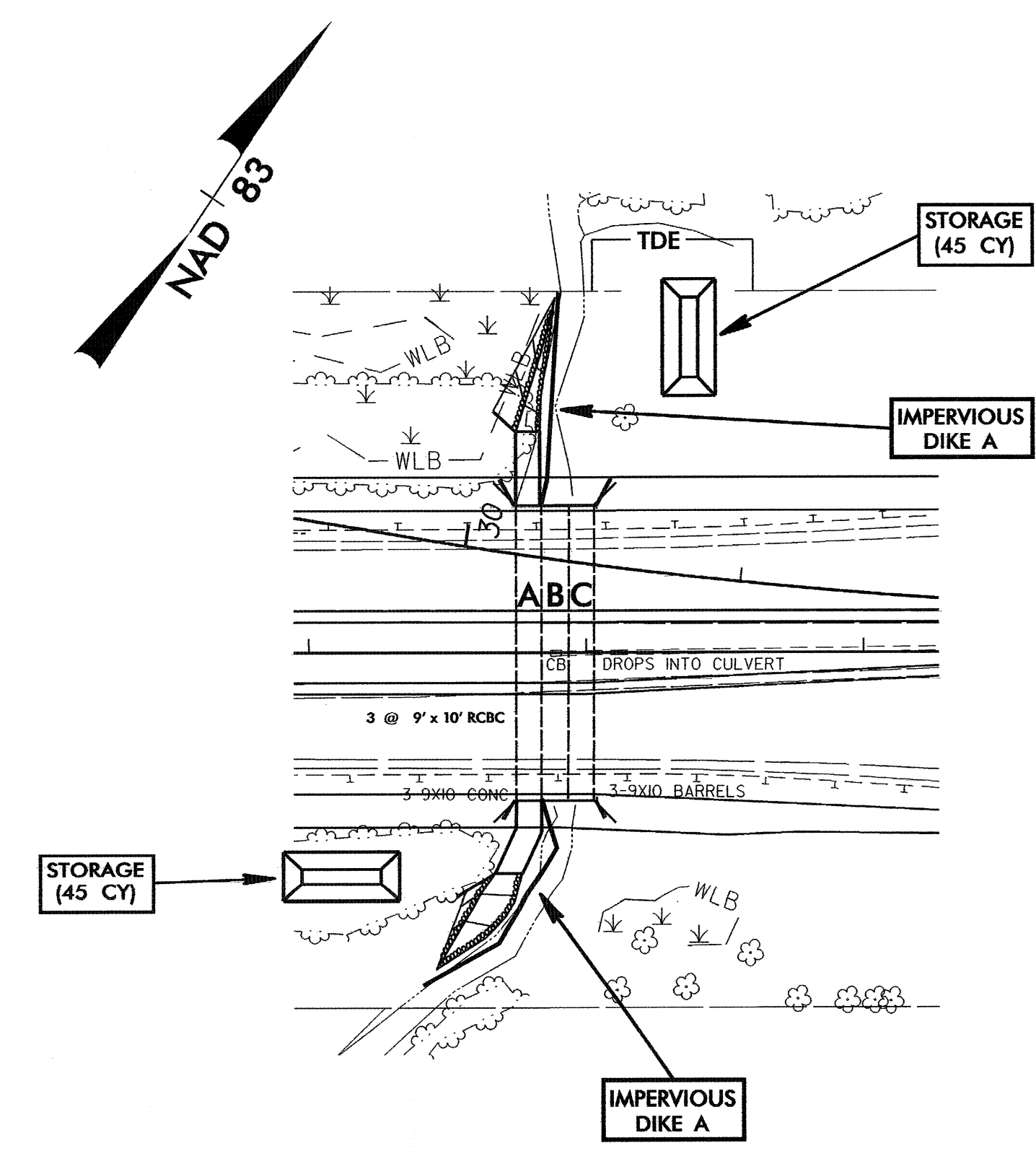
CULVERT CONSTRUCTION SEQUENCE STA. 77+89 -L-

PHASE I

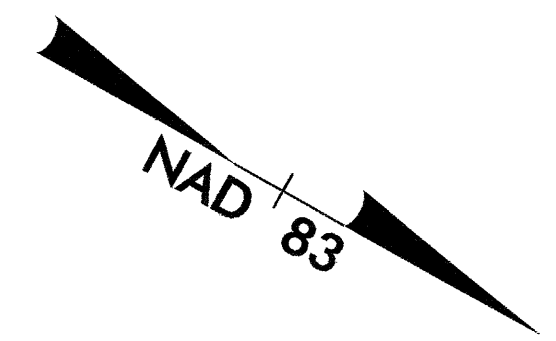
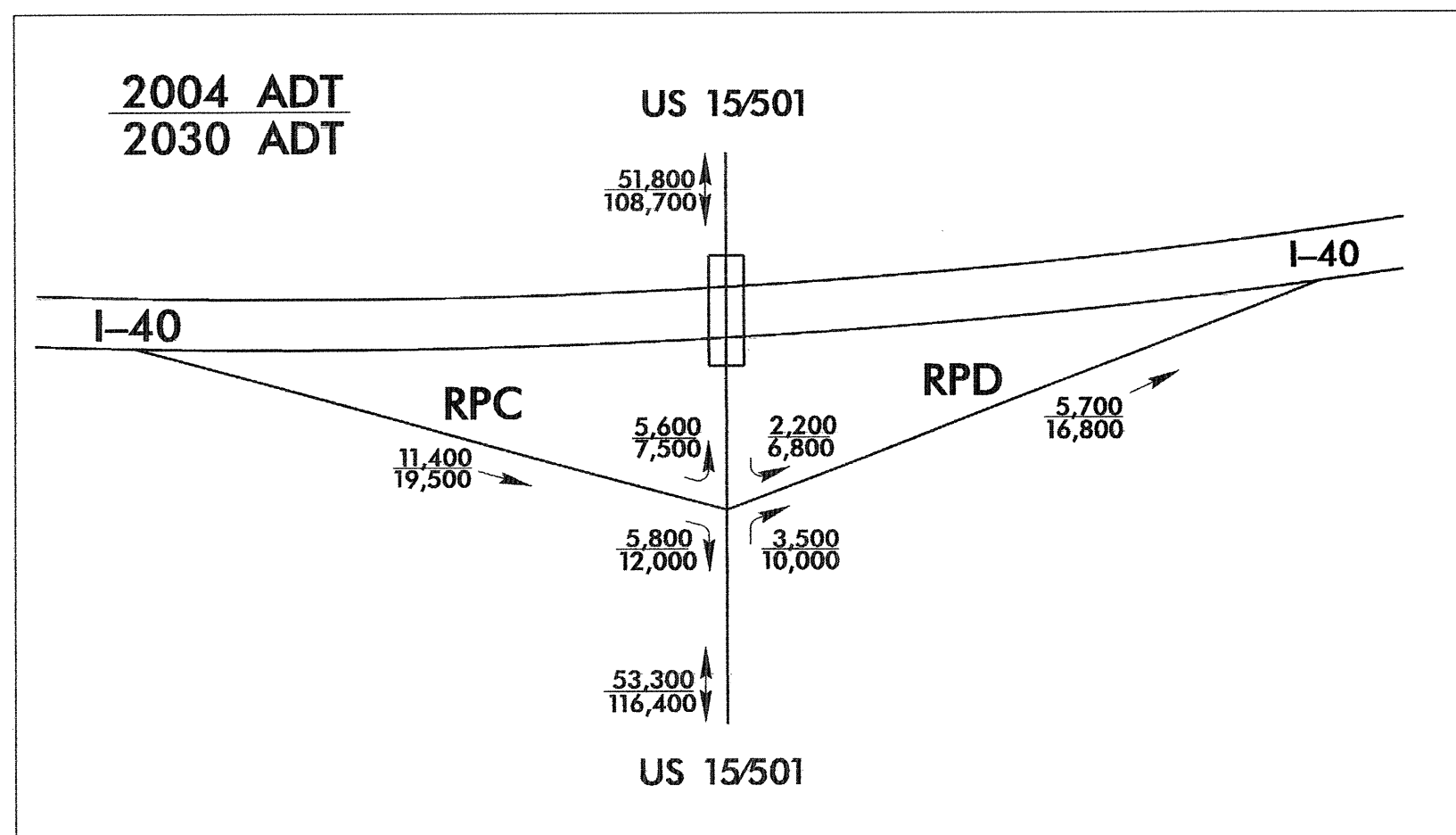
1. CONSTRUCT STILLING BASINS (45 CY EACH).
2. CONSTRUCT IMPERVIOUS DIKES A, DIVERTING FLOW THROUGH BARRELS B AND C.
3. CONSTRUCT UPSTREAM AND DOWNSTREAM EXTENSIONS OF BARREL A, AND CHANNEL IMPROVEMENTS ADJACENT TO BARREL A.
4. REMOVE IMPERVIOUS DIKES A.

PHASE II

5. CONSTRUCT IMPERVIOUS DIKES BC, DIVERTING FLOW THROUGH BARREL A.
6. CONSTRUCT UPSTREAM AND DOWNSTREAM EXTENSIONS OF BARRELS B AND C, AND CHANNEL IMPROVEMENTS ADJACENT TO BARREL C.
7. REMOVE IMPERVIOUS DIKES BC.
8. COMPLETE ROADWAY.

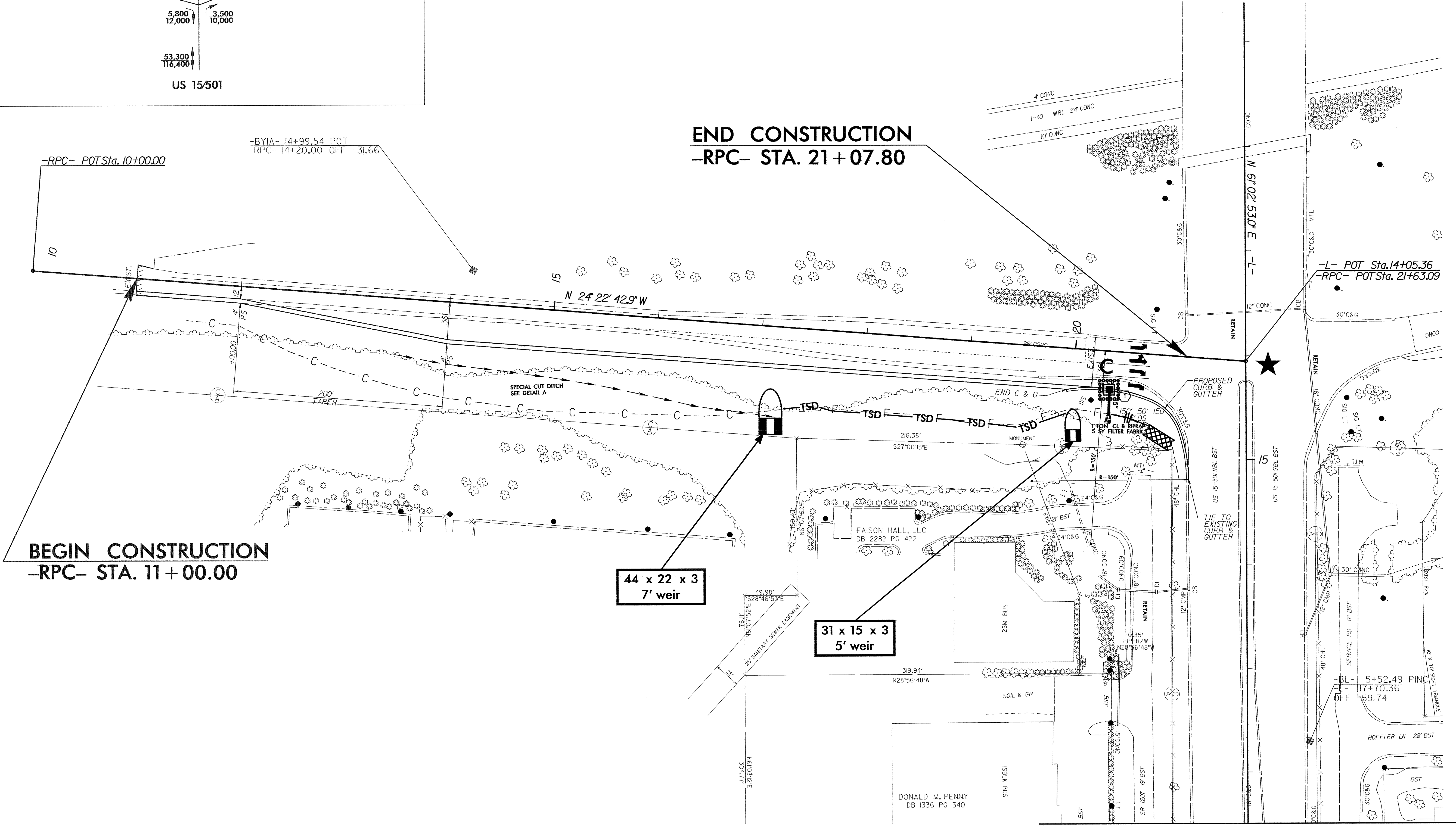


PROJECT REFERENCE NO.	SHEET NO.
U-4012	EC-II/CONST. 4
RW SHEET NO.	4
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



END CONSTRUCTION
-RPC- STA. 21+07.80

BEGIN CONSTRUCTION
-RPC- STA. 11+00.00



MATCH LINE SEE SHEET 4 -L- STA 18+50.00

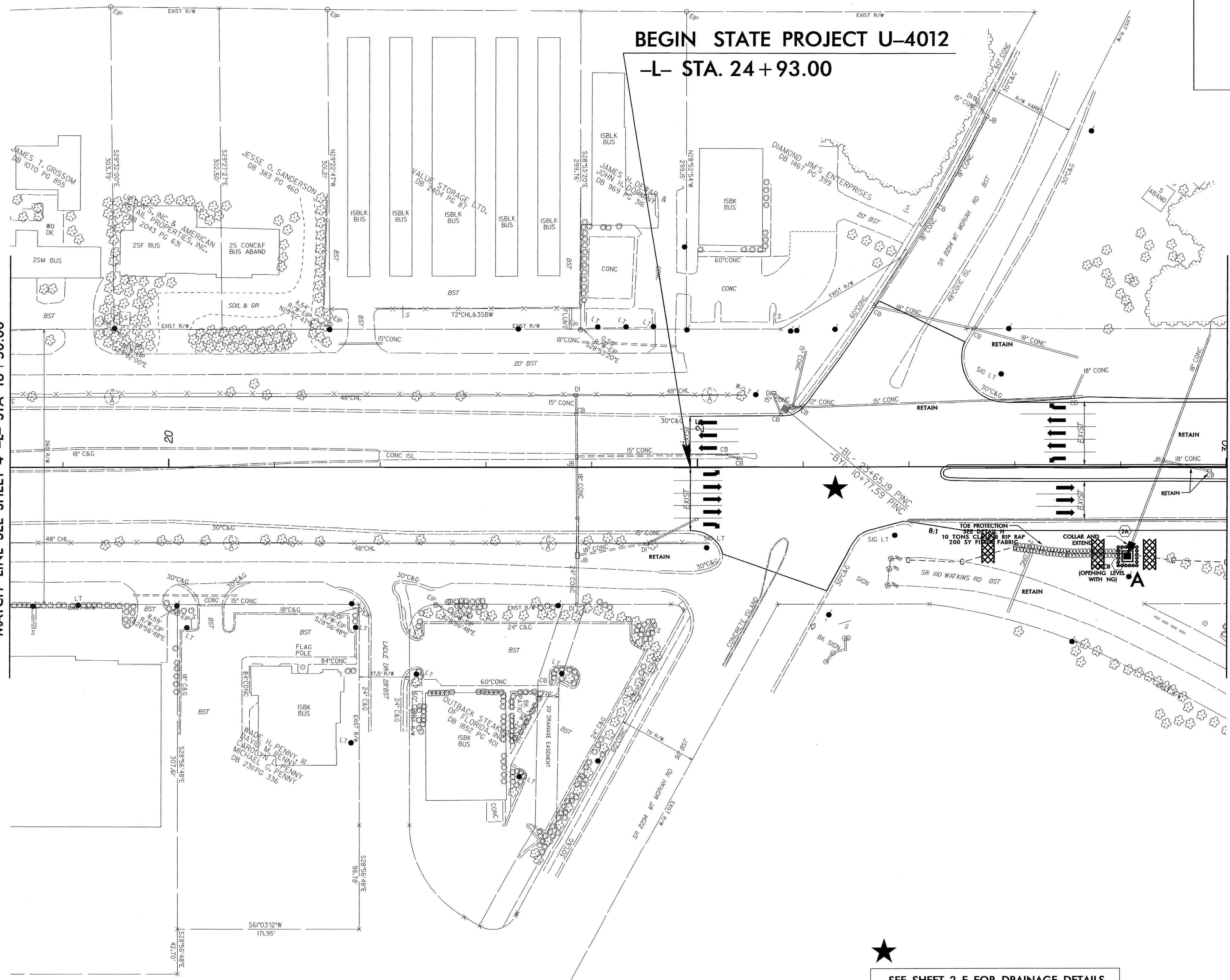
-SEE SHEET 2-F FOR DRAINAGE DETAILS.
-SEE SHEET 18 FOR -RPC- PROFILE.

PROJECT REFERENCE NO.	SHEET NO.
U-4012	EC-12/CONST. 4A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

BEGIN STATE PROJECT U-4012
-L- STA. 24+93.00

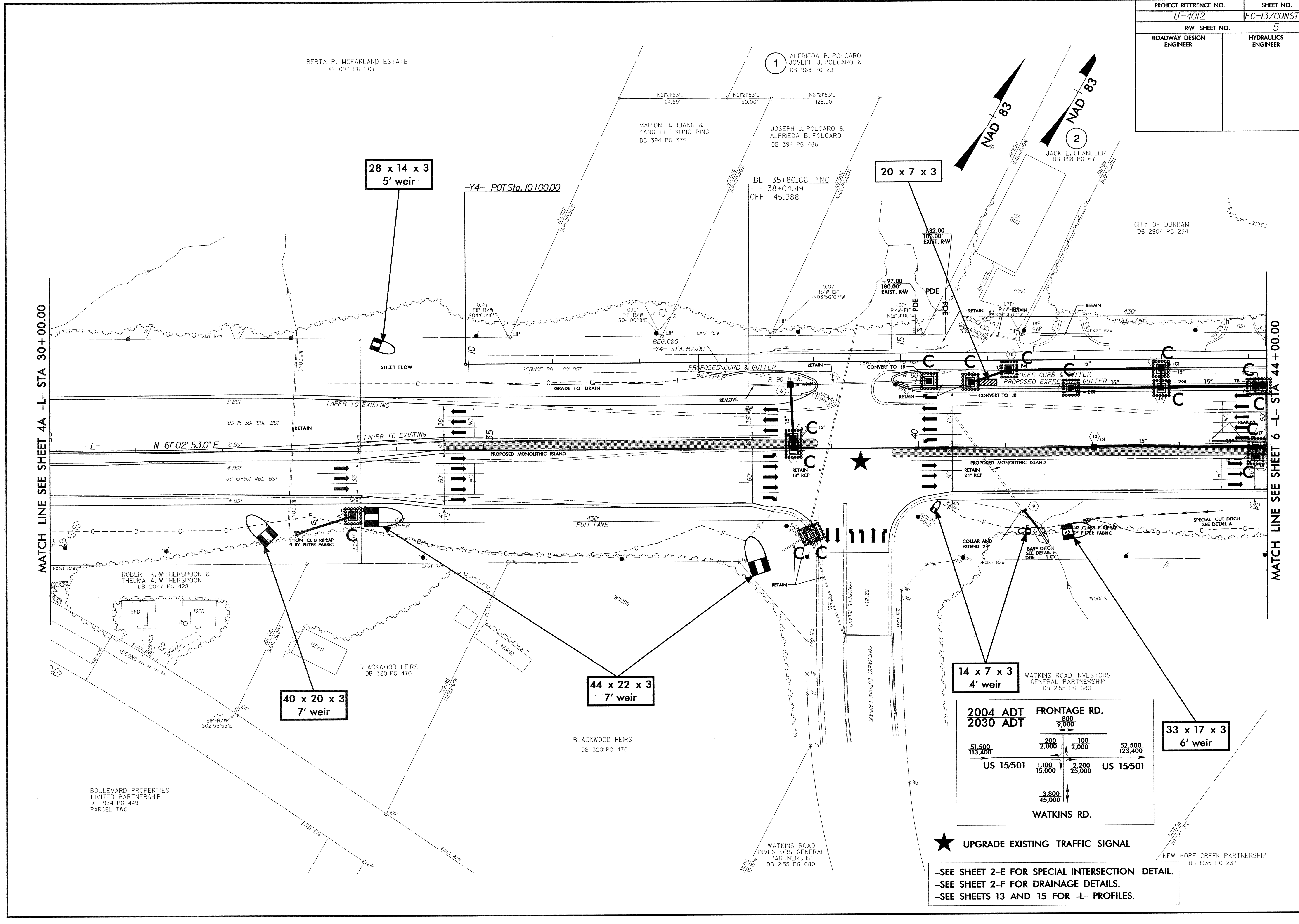
MATCH LINE SEE SHEET 4 -L- STA 18+50.00

MATCH LINE SEE SHEET 5 -L- STA 30+00.00



★
 -SEE SHEET 2-F FOR DRAINAGE DETAILS.
 -SEE SHEET 13 FOR -L- PROFILE.

PROJECT REFERENCE NO.	SHEET NO.
U-4012	EC-13/CONST.5
R/W SHEET NO.	5
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCH LINE SEE SHEET 4A -L- STA 30+00.00

MATCH LINE SEE SHEET 6 -L- STA 44+00.00

BERTA P. MCFARLAND ESTATE
DB 1097 PG 907

MARION H. HUANG &
YANG LEE KUNG PING
DB 394 PG 375

1 ALFRIEDA B. POLCARO
JOSEPH J. POLCARO &
DB 968 PG 237

JOSEPH J. POLCARO &
ALFRIEDA B. POLCARO
DB 394 PG 486

2 JACK L. CHANDLER
DB 1818 PG 67

CITY OF DURHAM
DB 2904 PG 234

ROBERT K. WITHERSPOON &
THELMA A. WITHERSPOON
DB 2047 PG 428

BLACKWOOD HEIRS
DB 3201 PG 470

BLACKWOOD HEIRS
DB 3201 PG 470

WATKINS ROAD INVESTORS
GENERAL PARTNERSHIP
DB 2155 PG 680

BOULEVARD PROPERTIES
LIMITED PARTNERSHIP
DB 1934 PG 449
PARCEL TWO

WATKINS ROAD
INVESTORS GENERAL
PARTNERSHIP
DB 2155 PG 680

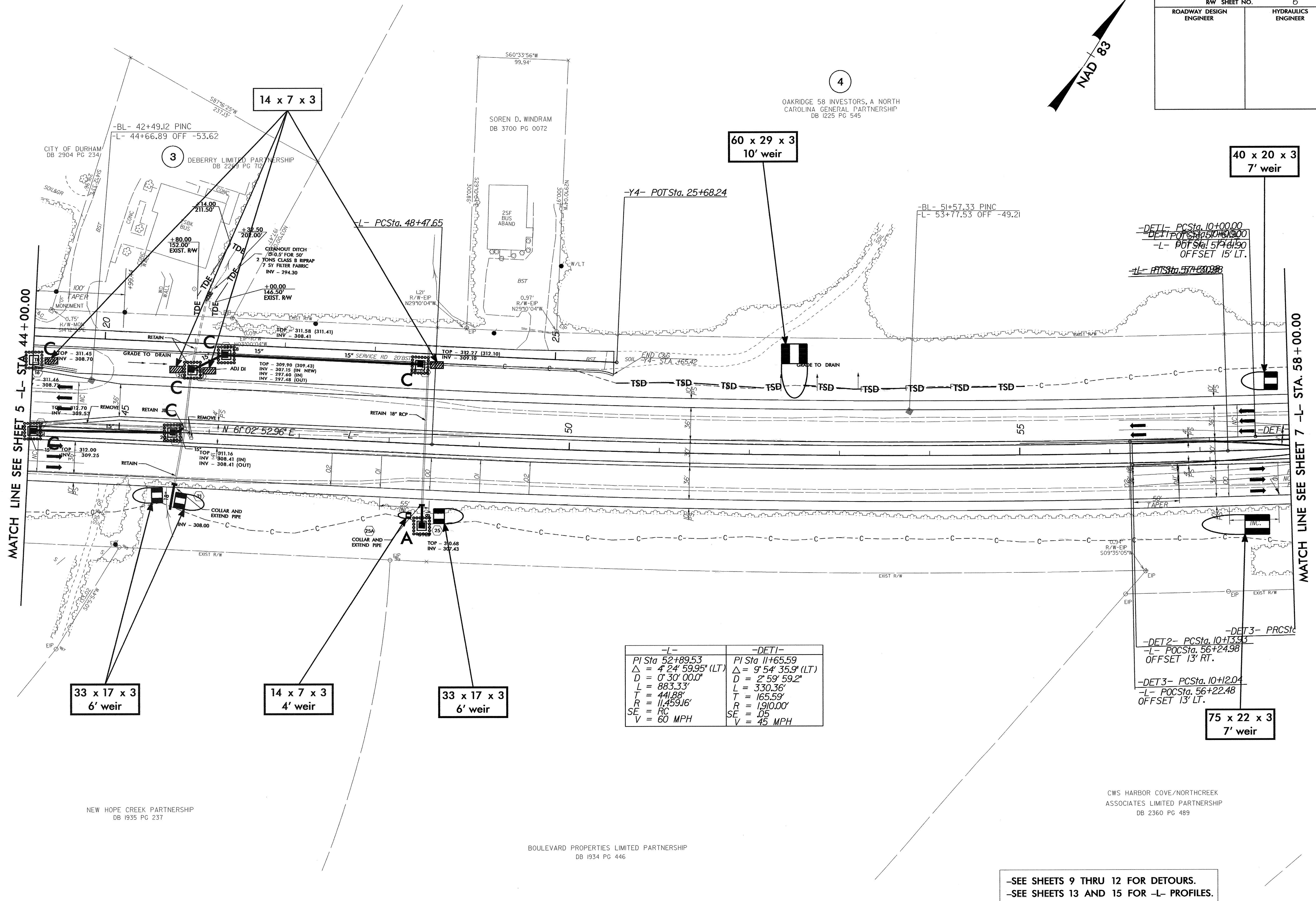
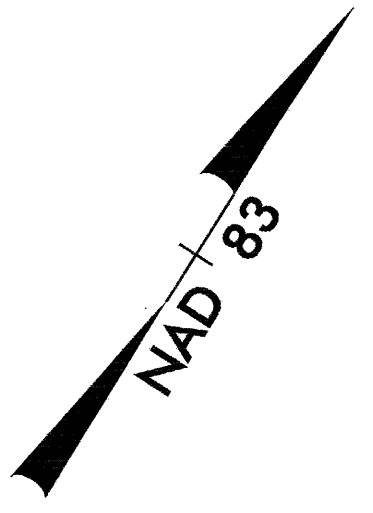
NEW HOPE CREEK PARTNERSHIP
DB 1935 PG 237

2004 ADT		FRONTAGE RD.	
2030 ADT		800	
		9,000	
51,500	200	100	52,500
113,400	2,000	2,000	123,400
US 15/501		US 15/501	
1,100	2,200	2,200	1,100
15,000	25,000	25,000	15,000
		3,800	
		45,000	
WATKINS RD.			

★ UPGRADE EXISTING TRAFFIC SIGNAL

-SEE SHEET 2-E FOR SPECIAL INTERSECTION DETAIL.
-SEE SHEET 2-F FOR DRAINAGE DETAILS.
-SEE SHEETS 13 AND 15 FOR -L- PROFILES.

PROJECT REFERENCE NO.	SHEET NO.
U-4012	EC-14/CONST.6
R/W SHEET NO.	6
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



-L-	-DETI-
PI Sta 52+89.53	PI Sta 11+65.59
$\Delta = 4' 24" 59.95" (LT)$	$\Delta = 9' 54" 35.9" (LT)$
D = 0' 30' 00.0"	D = 2' 59' 59.2"
L = 883.33'	L = 330.36'
T = 441.88'	T = 165.59'
R = 11,459.16'	R = 1,910.00'
SE = RC	SE = 05
V = 60 MPH	V = 45 MPH

MATCH LINE SEE SHEET 5 -L- STA 44+00.00

MATCH LINE SEE SHEET 7 -L- STA 58+00.00

NEW HOPE CREEK PARTNERSHIP
DB 1935 PG 237

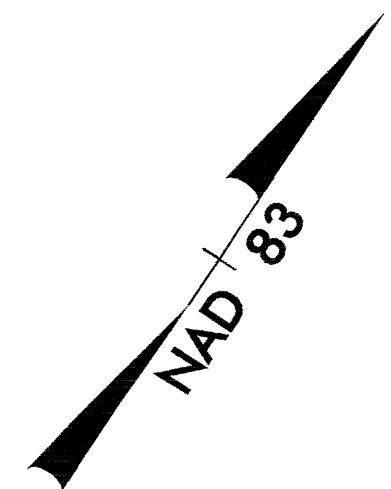
CWS HARBOR COVE/NORTHCREEK
ASSOCIATES LIMITED PARTNERSHIP
DB 2360 PG 489

BOULEVARD PROPERTIES LIMITED PARTNERSHIP
DB 1934 PG 446

-SEE SHEETS 9 THRU 12 FOR DETOURS.
-SEE SHEETS 13 AND 15 FOR -L- PROFILES.

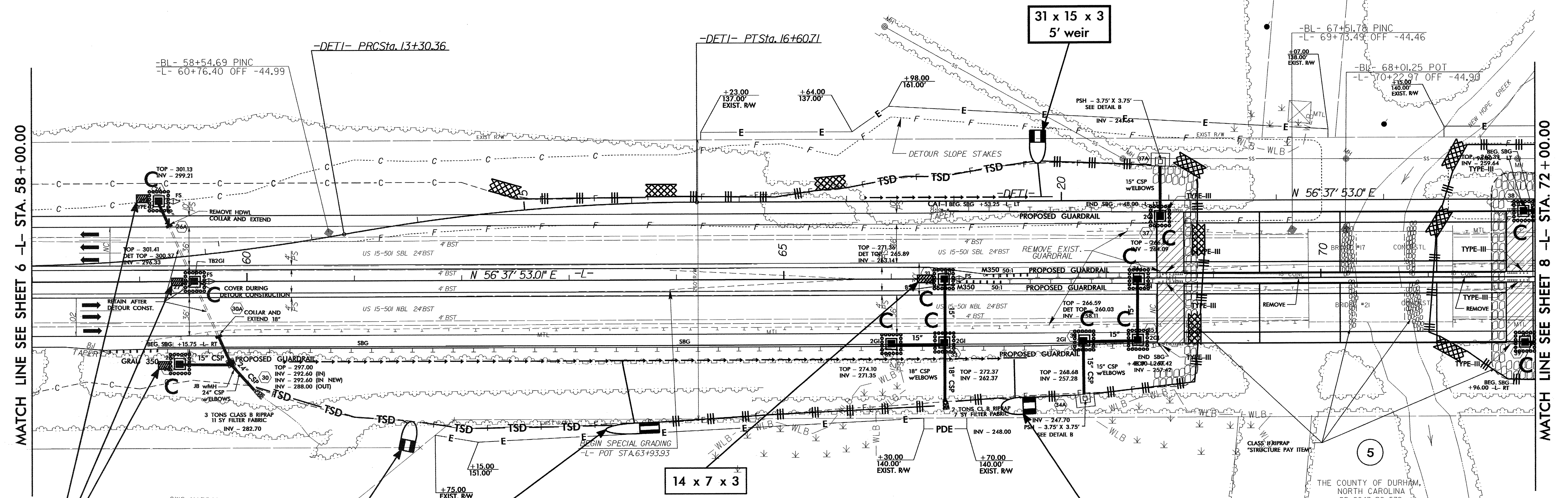
PROJECT REFERENCE NO.	SHEET NO.
U-4012	EC-15/CONST.7
R/W SHEET NO.	7
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE:
UTILIZE SPECIAL STILLING BASIN
AS STILLING BASIN WHERE APPLICABLE.



4
OAKRIDGE 58 INVESTORS, A NORTH
CAROLINA GENERAL PARTNERSHIP
DB 1225 PG 545

4
OAKRIDGE 58 INVESTORS, A NORTH
CAROLINA GENERAL PARTNERSHIP
DB 1225 PG 545

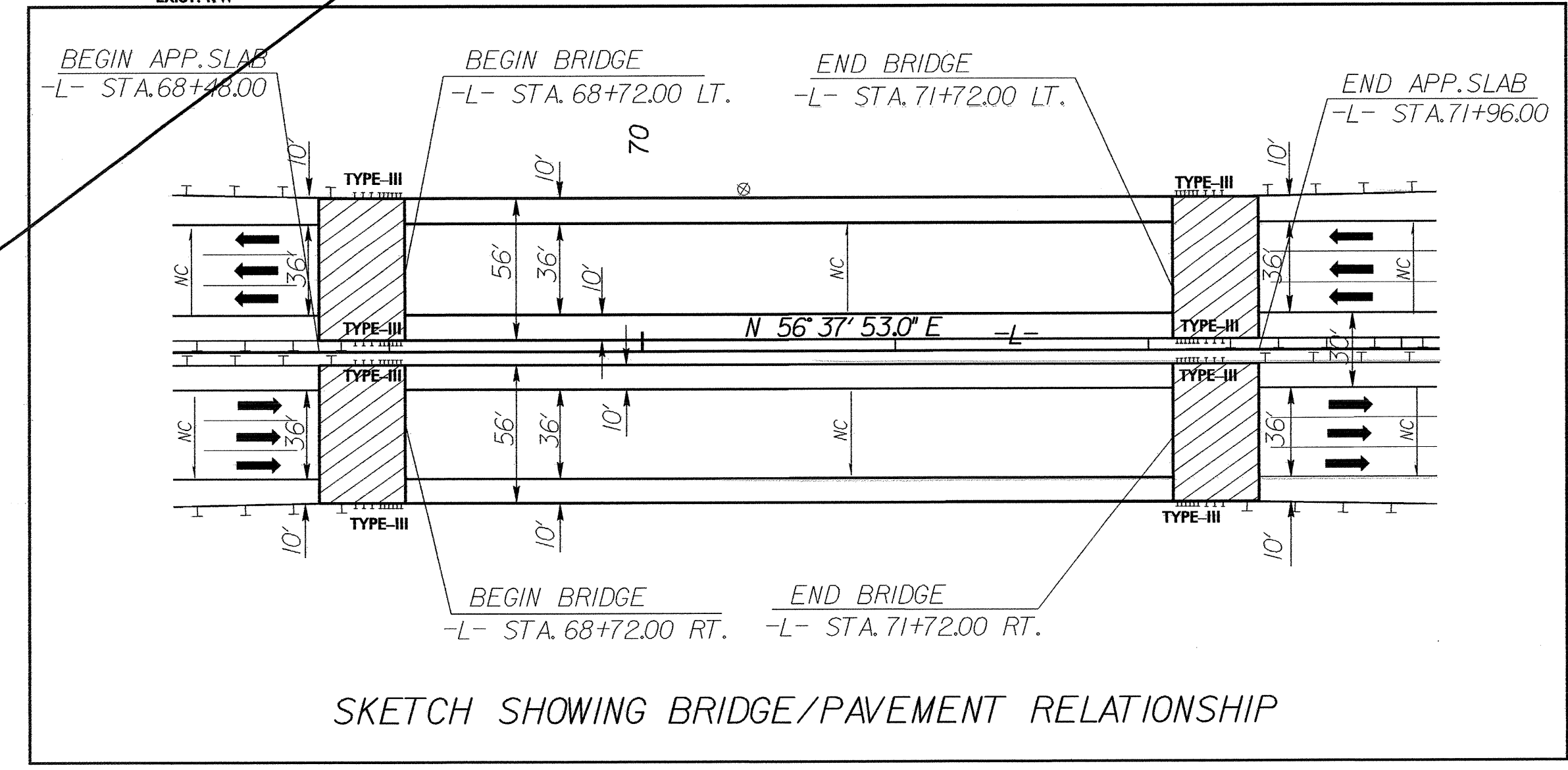


MATCH LINE SEE SHEET 6 -L- STA. 58+00.00

MATCH LINE SEE SHEET 8 -L- STA. 72+00.00

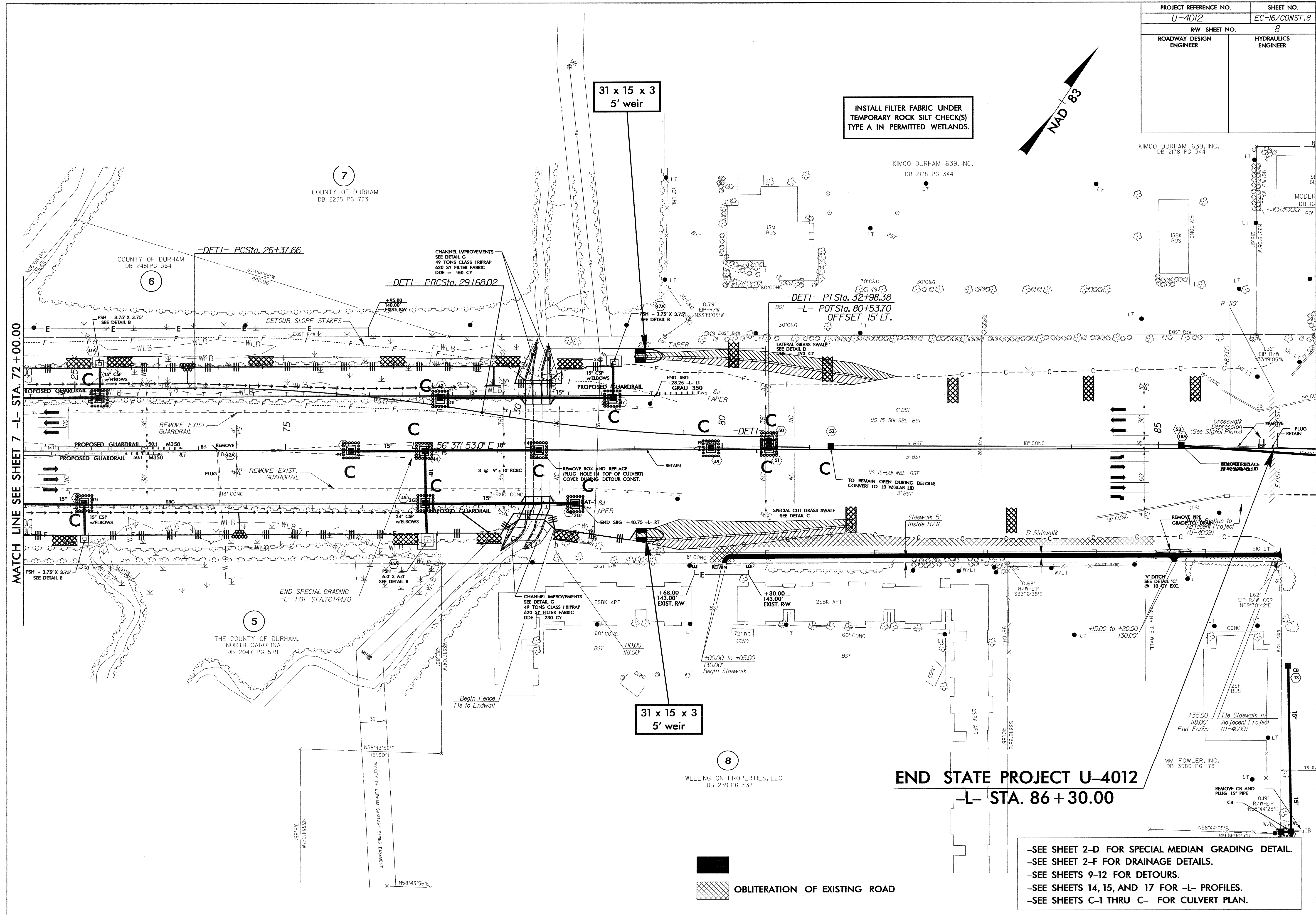
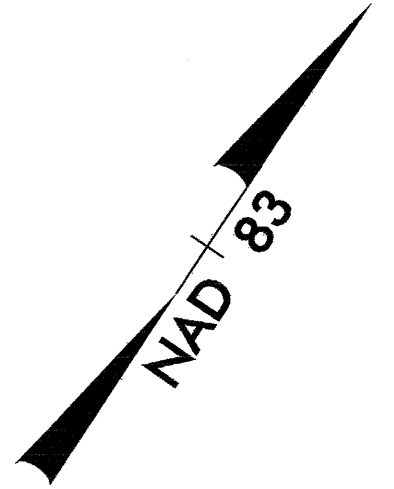
CWS HARBOR COVE/NORTHCREEK
ASSOCIATES LIMITED PARTNERSHIP
DB 2360 PG 489

5
THE COUNTY OF DURHAM,
NORTH CAROLINA
DB 2047 PG 579



- SEE SHEET 2-C FOR STRUCTURE STAGING.
- SEE SHEET 2-D FOR SPECIAL MEDIAN GRADING DETAIL.
- SEE SHEET 2-F FOR DRAINAGE DETAILS.
- SEE SHEETS 9 THRU 12 FOR DETOURS.
- SEE SHEETS 14 AND 16 FOR -L- PROFILES.
- SEE SHEETS S-1 THRU S- FOR STRUCTURE PLANS.

PROJECT REFERENCE NO.	SHEET NO.
U-4012	EC-16/CONST.8
R/W SHEET NO.	8
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCH LINE SEE SHEET 7 -L- STA. 72 + 00.00

INSTALL FILTER FABRIC UNDER
TEMPORARY ROCK SILT CHECK(S)
TYPE A IN PERMITTED WETLANDS.

31 x 15 x 3
5' weir

31 x 15 x 3
5' weir

END STATE PROJECT U-4012
-L- STA. 86 + 30.00

OBLITERATION OF EXISTING ROAD

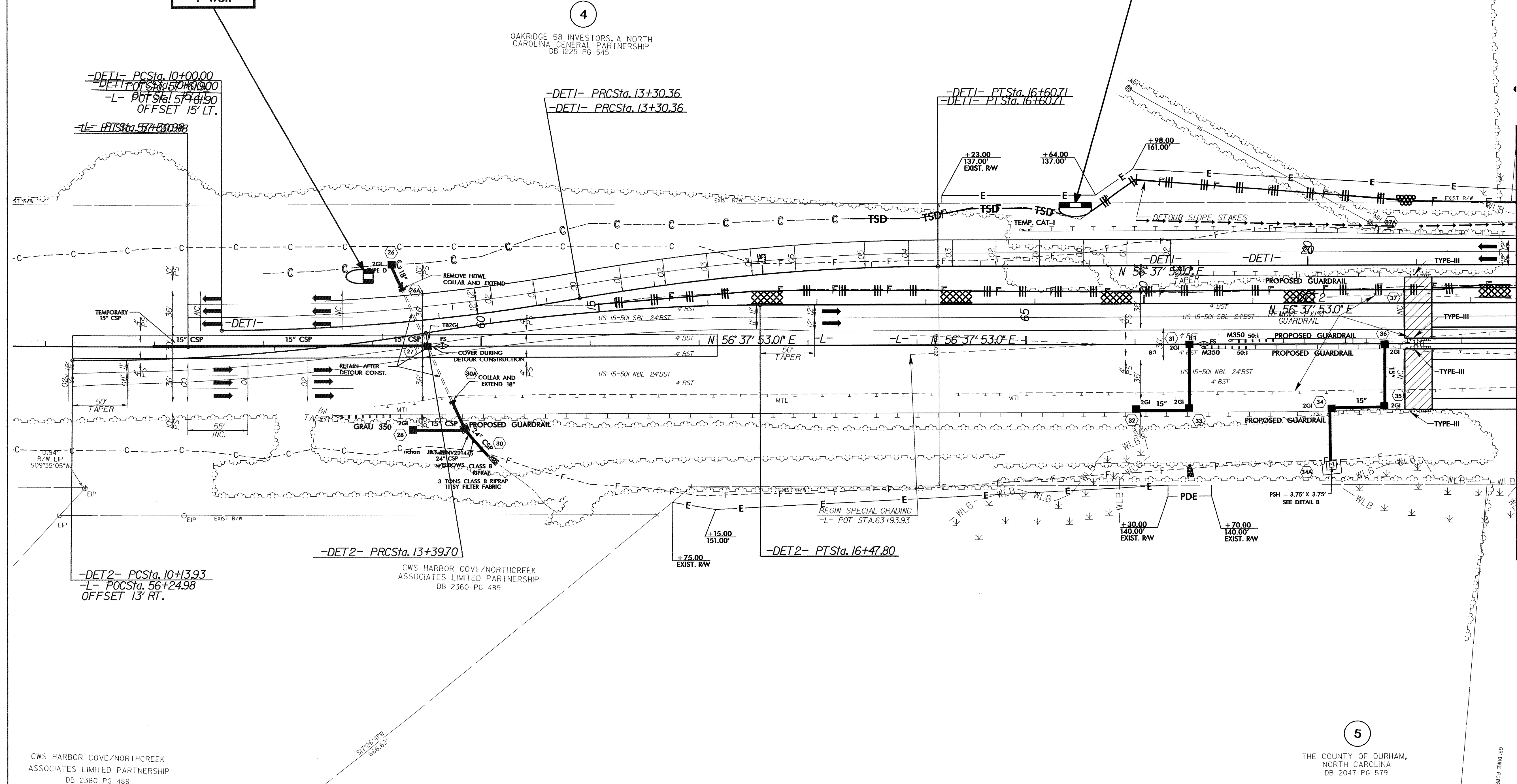
- SEE SHEET 2-D FOR SPECIAL MEDIAN GRADING DETAIL.
- SEE SHEET 2-F FOR DRAINAGE DETAILS.
- SEE SHEETS 9-12 FOR DETOURS.
- SEE SHEETS 14, 15, AND 17 FOR -L- PROFILES.
- SEE SHEETS C-1 THRU C- FOR CULVERT PLAN.

PROJECT REFERENCE NO.	SHEET NO.
U-4012	EC-17/CONST.9
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DETAIL OF TEMPORARY DETOURS
DETOUR DESIGN SPEED = 45 mph

-DETI-	
PI Sta 11+65.59	PI Sta 14+95.95
$\Delta = 9' 54' 35.9" (LT)$	$\Delta = 9' 54' 35.9" (RT)$
$D = 2' 59' 59.2"$	$D = 2' 59' 59.2"$
$L = 330.36'$	$L = 330.36'$
$T = 165.59'$	$T = 165.59'$
$R = 1,910.00'$	$R = 1,910.00'$
$SE = .05$	$SE = .05$
$V = 45 \text{ MPH}$	$V = 45 \text{ MPH}$

-DET2-	
PI Sta 11+77.21	PI Sta 14+94.08
$\Delta = 9' 46' 20.4" (LT)$	$\Delta = 9' 14' 32.5" (RT)$
$D = 2' 59' 59.2"$	$D = 2' 59' 59.2"$
$L = 325.77'$	$L = 308.10'$
$T = 163.28'$	$T = 154.39'$
$R = 1,910.00'$	$R = 1,910.00'$



CWS HARBOR COVE/NORTHCREEK ASSOCIATES LIMITED PARTNERSHIP DB 2360 PG 489

CWS HARBOR COVE/NORTHCREEK ASSOCIATES LIMITED PARTNERSHIP DB 2360 PG 489

THE COUNTY OF DURHAM, NORTH CAROLINA DB 2047 PG 579

-SEE SHEETS 6 AND 7 FOR -L- DESIGN.
-SEE SHEETS 13, 14, AND 16 FOR -L- PROFILES.
-SEE SHEET 19 FOR -DETI- PROFILE.

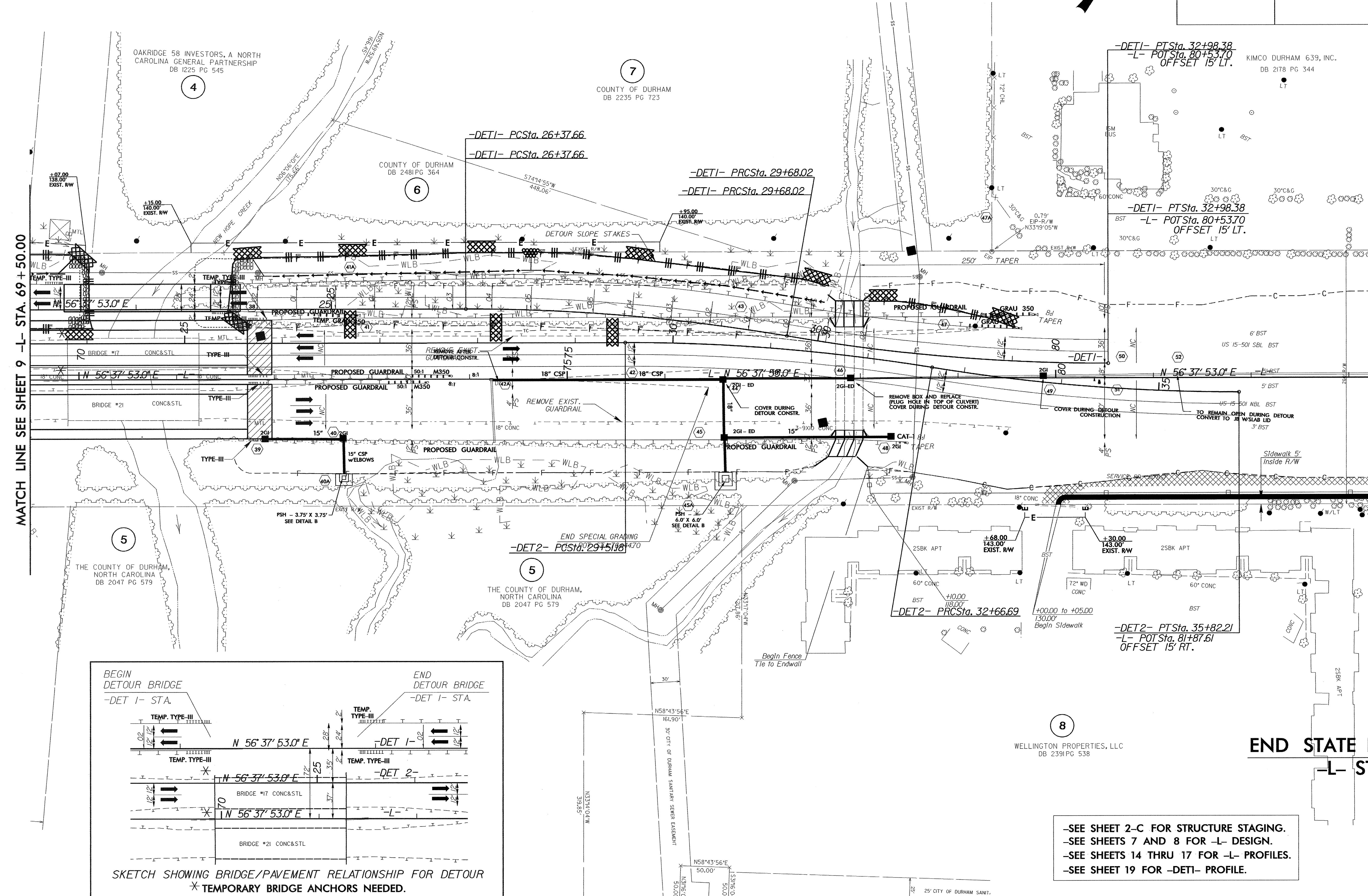
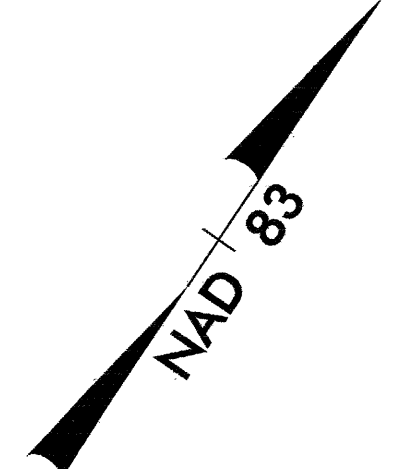
MATCH LINE SEE SHEET 10 -L- STA. 69 + 50.00

PROJECT REFERENCE NO. U-4012	SHEET NO. EC-18/CONST.10
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

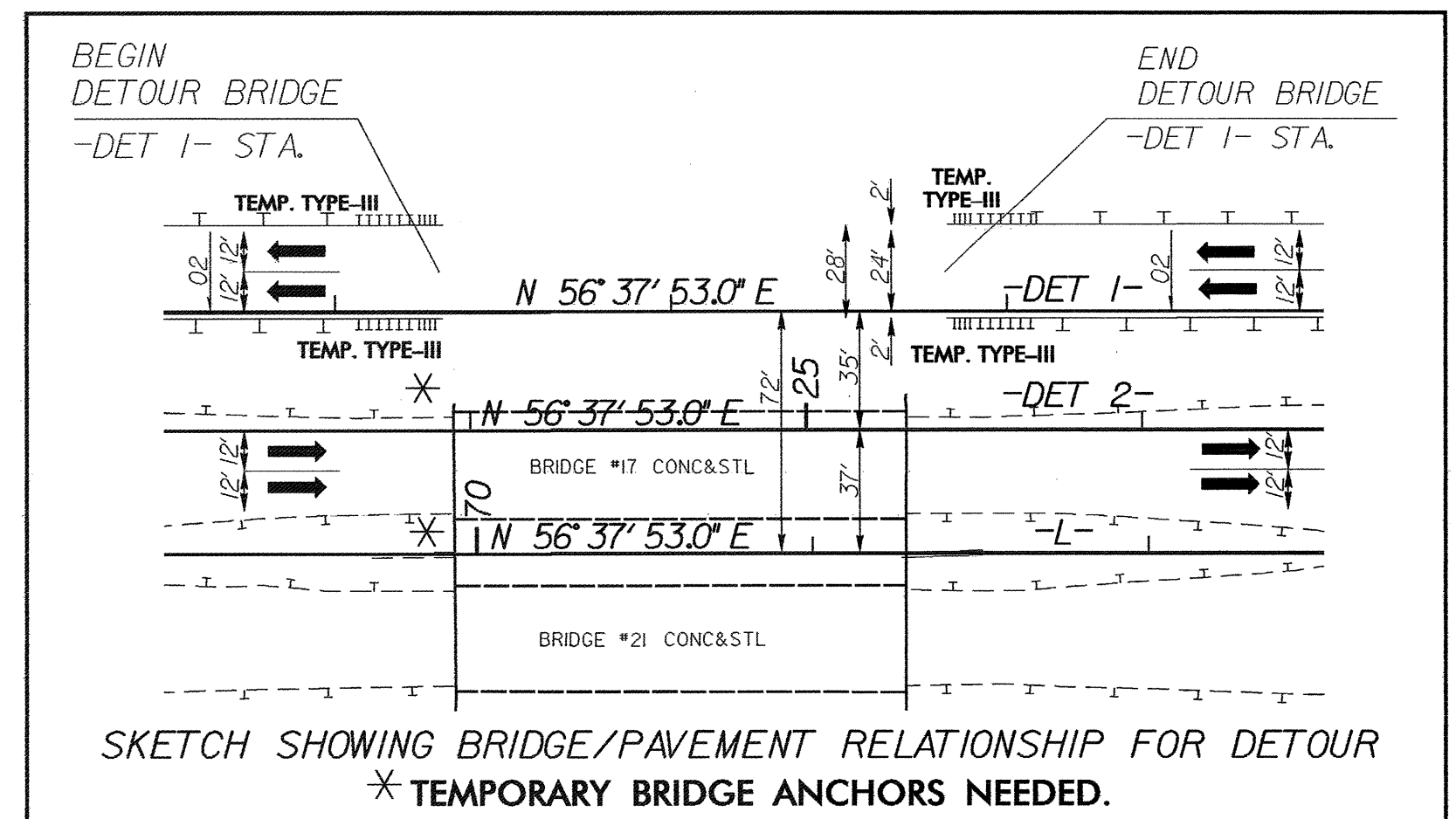
INSTALL FILTER FABRIC UNDER TEMPORARY ROCK SILT CHECK(S) TYPE A IN PERMITTED WETLANDS.

DETAIL OF TEMPORARY DETOURS

DETOUR DESIGN SPEED = 45 mph



MATCH LINE SEE SHEET 9 -L- STA. 69 + 50.00



-SEE SHEET 2-C FOR STRUCTURE STAGING.
-SEE SHEETS 7 AND 8 FOR -L- DESIGN.
-SEE SHEETS 14 THRU 17 FOR -L- PROFILES.
-SEE SHEET 19 FOR -DETI- PROFILE.

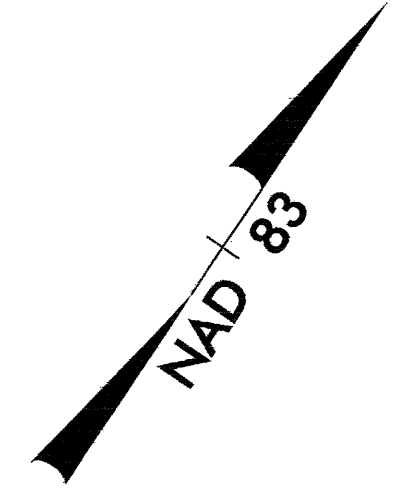
END STATE
-L- S

PROJECT REFERENCE NO. U-4012	SHEET NO. EC-19/CONST.II
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DETAIL OF TEMPORARY DETOURS

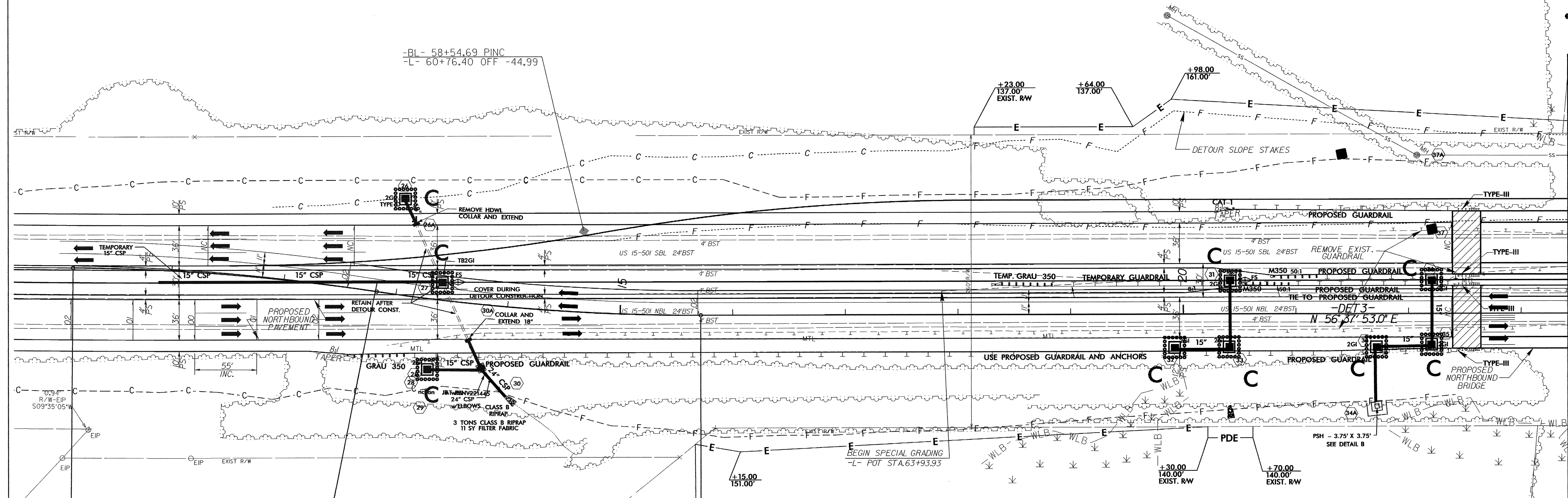
DETOUR DESIGN SPEED = 45 mph

-DET3-	
PI Sta 11+47.65	PI Sta 14+27.50
$\Delta = 8^{\circ} 07' 20.2" (RT)$	$\Delta = 8^{\circ} 39' 53.2" (LT)$
$D = 2^{\circ} 59' 59.2"$	$D = 2^{\circ} 59' 59.2"$
$L = 270.76'$	$L = 288.85'$
$T = 135.6'$	$T = 144.70'$
$R = 1,910.00'$	$R = 1,910.00'$



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OAKRIDGE 58 INVESTORS, A NORTH CAROLINA GENERAL PARTNERSHIP
DB 1225 PG 545

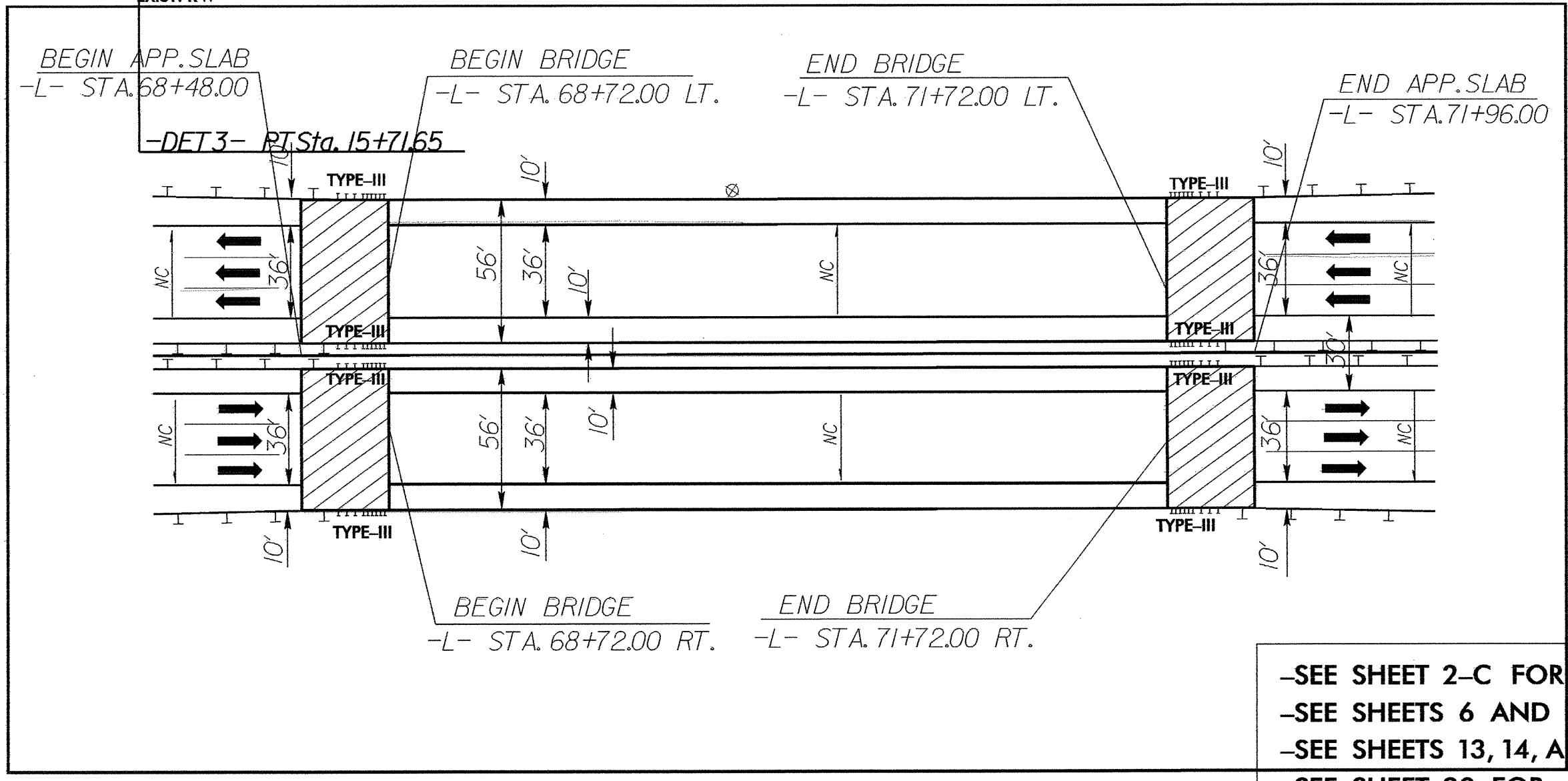


-DET3- PCSta. 10+12.04
-L- POCSta. 56+22.48
OFFSET 13' LT.

-DET3- PRCSta. 12+82.80

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DB 2360 PG 489



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THE COUNTY OF DURHAM, NORTH CAROLINA
DB 2047 PG 579

-SEE SHEET 2-C FOR STRUCTURE STAGING.
-SEE SHEETS 6 AND 7 FOR -L- DESIGN.
-SEE SHEETS 13, 14, AND 16 FOR -L- PROFILES.
-SEE SHEET 20 FOR -DET3- PROFILE 'A'.

MATCH LINE SEE SHEET 12 -L- STA. 69 + 50.00

88 ONE POWER EASEMENT