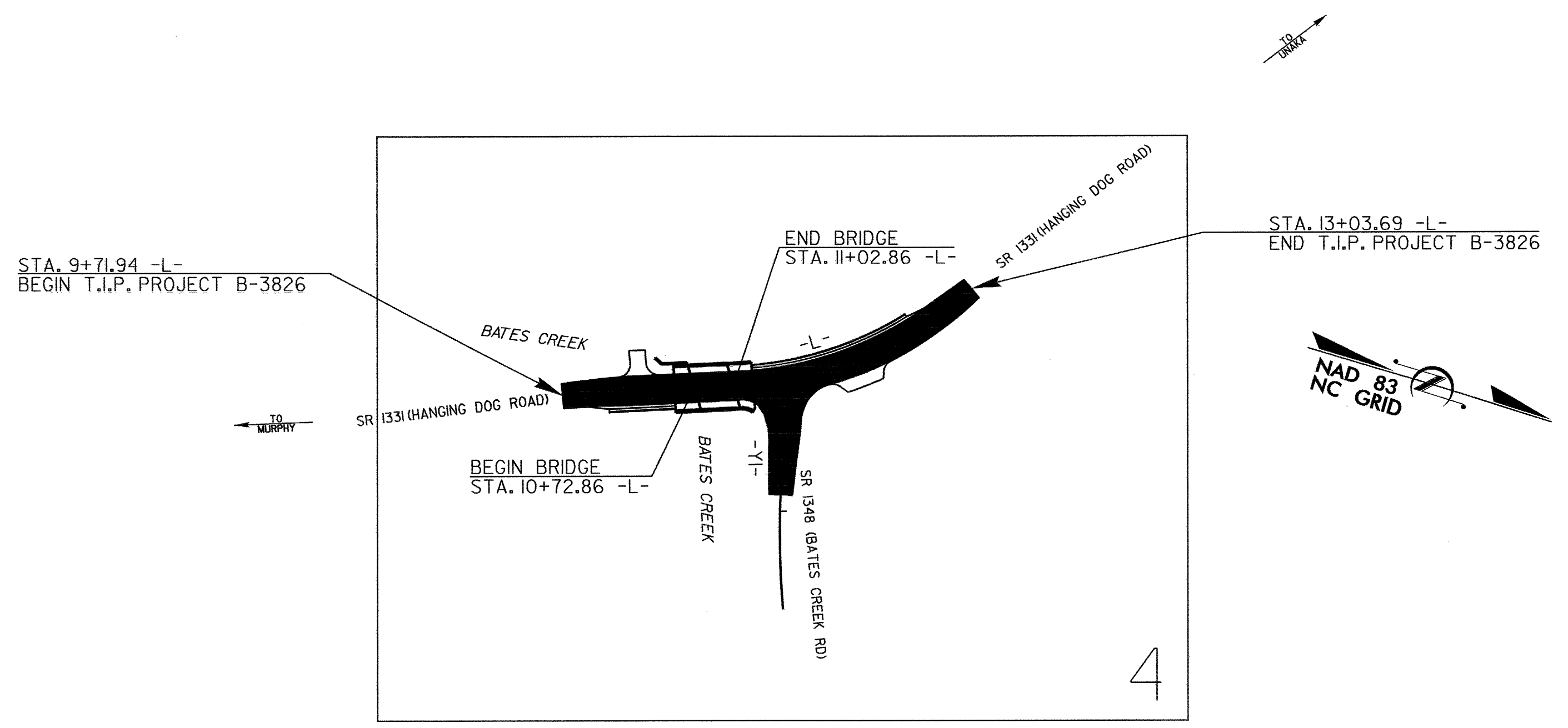


TIP PROJECT: B-3826

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

LOCATION: BRIDGE NO. 166 OVER BATES CREEK ON SR 1331
TYPE OF WORK: GRADING, PAVING, DRAINAGE, WIDENING, RESURFACING, AND STRUCTURE.



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-3826	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

EROSION AND SEDIMENT CONTROL MEASURES

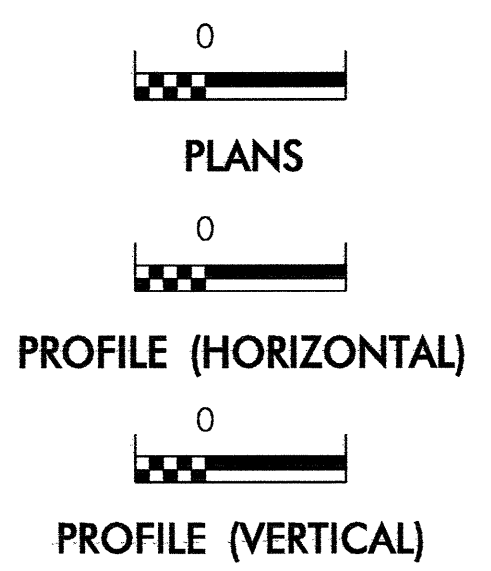
Std. #	Description	Symbol
	Streambank Reforestation.....	
1630.03	Temporary Silt Ditch.....	
1630.05	Temporary Diversion.....	
1605.01	Temporary Silt Fence.....	
1606.01	Special Sediment Control Fence.....	
1622.01	Temporary Berms and Slope Drains.....	
1630.01	Riser Basin.....	
1630.02	Silt Basin Type 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.

THIS PROJECT HAS BEEN DESIGNED TO SENSITIVE WATERSHED STANDARDS.

ENVIRONMENTALLY SENSITIVE AREA(S) EXIST ON THIS PROJECT
Refer To E. C. Special Provisions for Special Considerations.

GRAPHIC SCALE



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

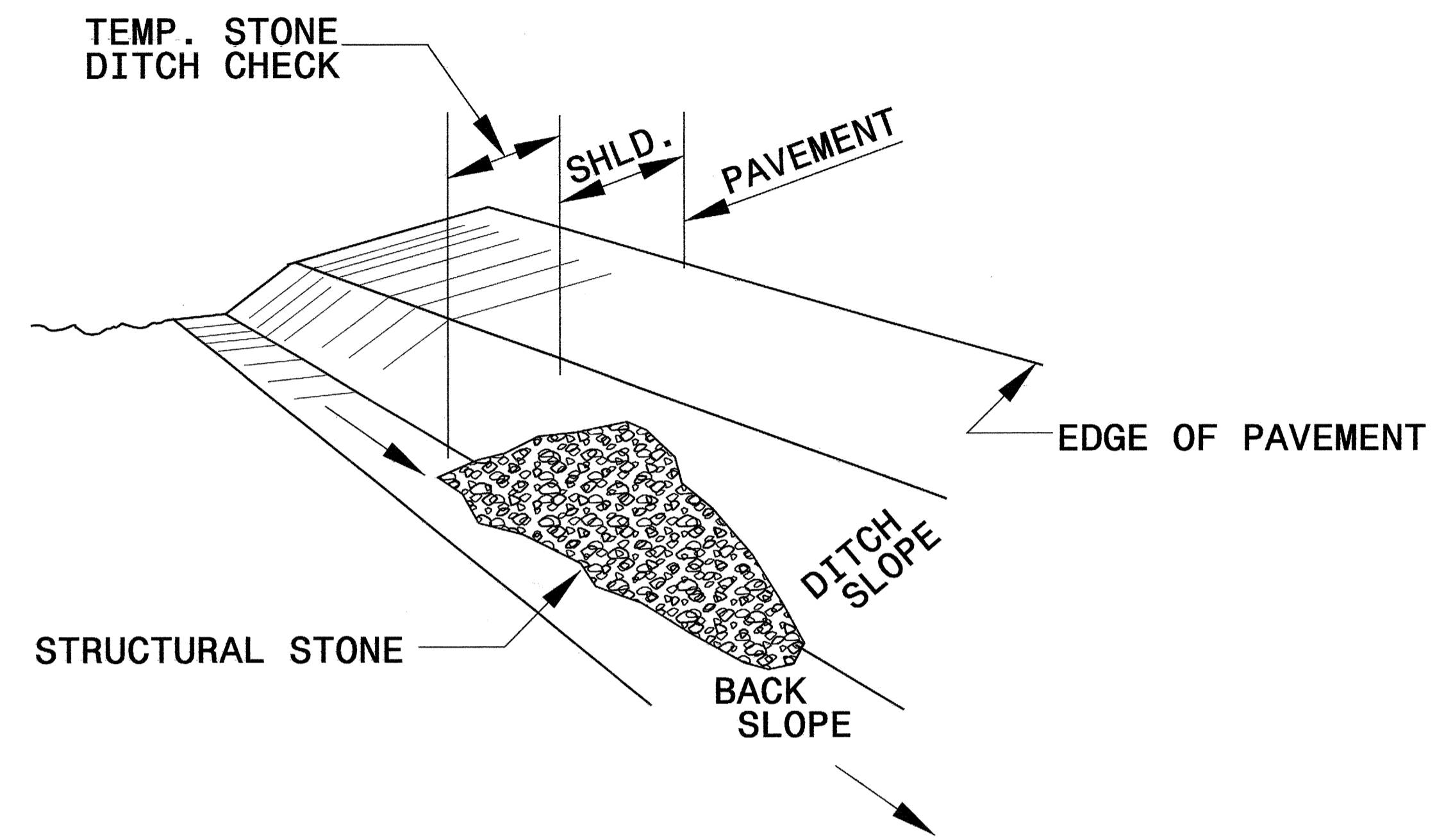
Roadway Standard Drawings
 The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated July 18, 2006 and the latest revision thereto are applicable to this project and by reference hereby are considered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

1605.01 Temporary Silt Fence	1630.06 Special Stilling Basin
1606.01 Special Sediment Control Fence	1632.02 Rock Inlet Sediment Trap Type B
1607.01 Gravel Construction Entrance	1633.01 Temporary Rock Silt Check Type A

16-MAR-2007 13:37
 To: c:\projects\3826\3826.dwg
 User: jenniferr
 Plot: 16M21318

PROJECT REFERENCE NO. <i>B-3826</i>	SHEET NO. <i>EC-2</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TEMPORARY ROCK SILT CHECK TYPE 'B' DETAIL

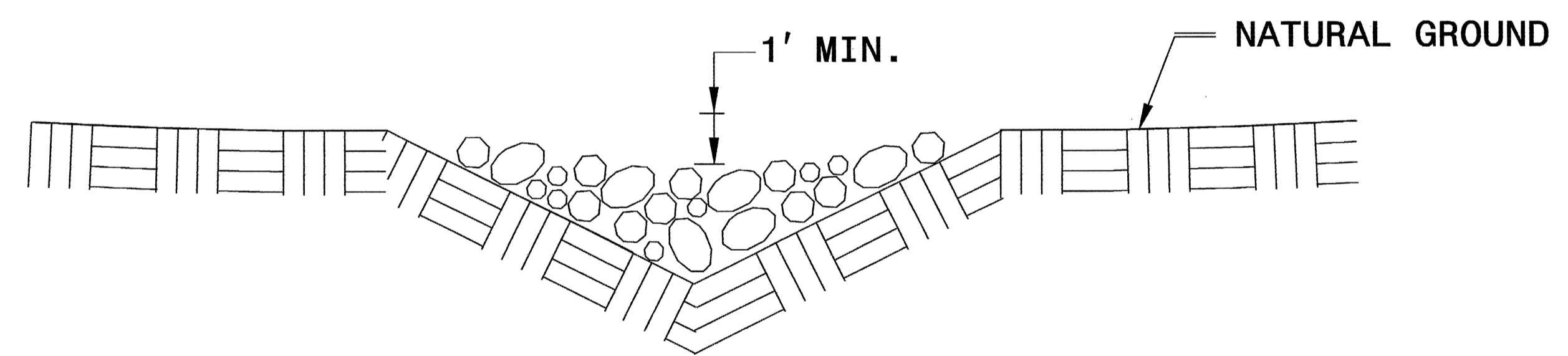


ISOMETRIC VIEW

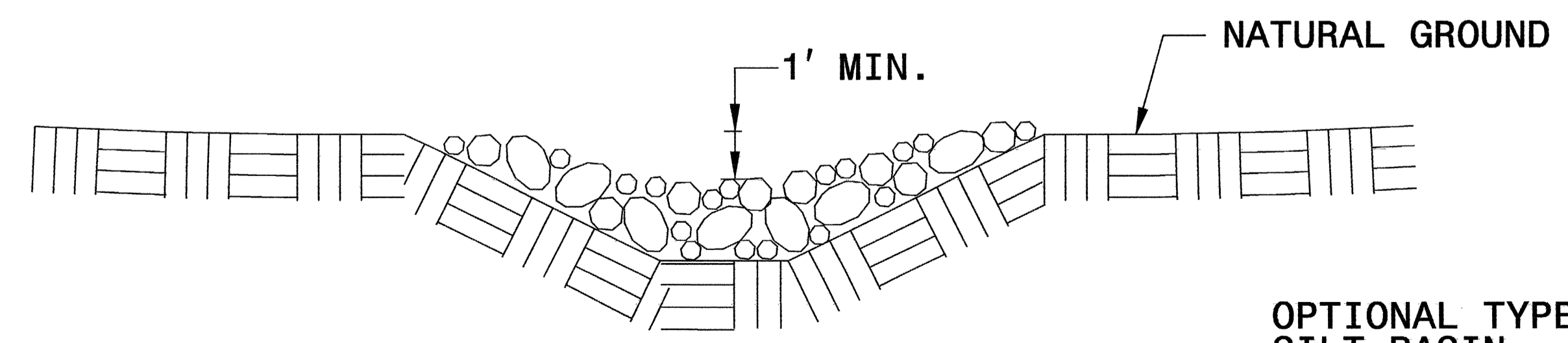
NOTES:

USE CLASS 'B' EROSION CONTROL STONE FOR STRUCTURAL STONE.

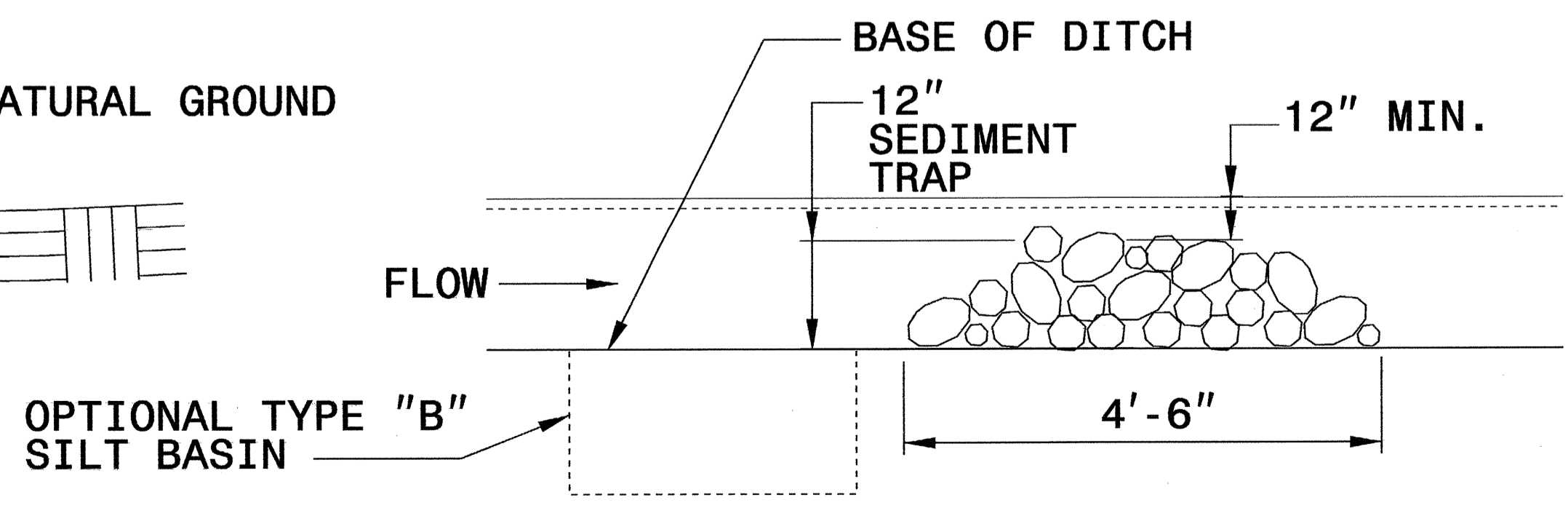
THE ENGINEER MAY DIRECT THE OPTION OF CLASS "A" STONE FOR SITES HAVING LESS THAN ONE (1) ACRE DRAINAGE AREA AND A DITCH GRADE LESS THAN 3%.



CROSS SECTION VEE DITCH



CROSS SECTION TRAPEZOIDAL DITCH



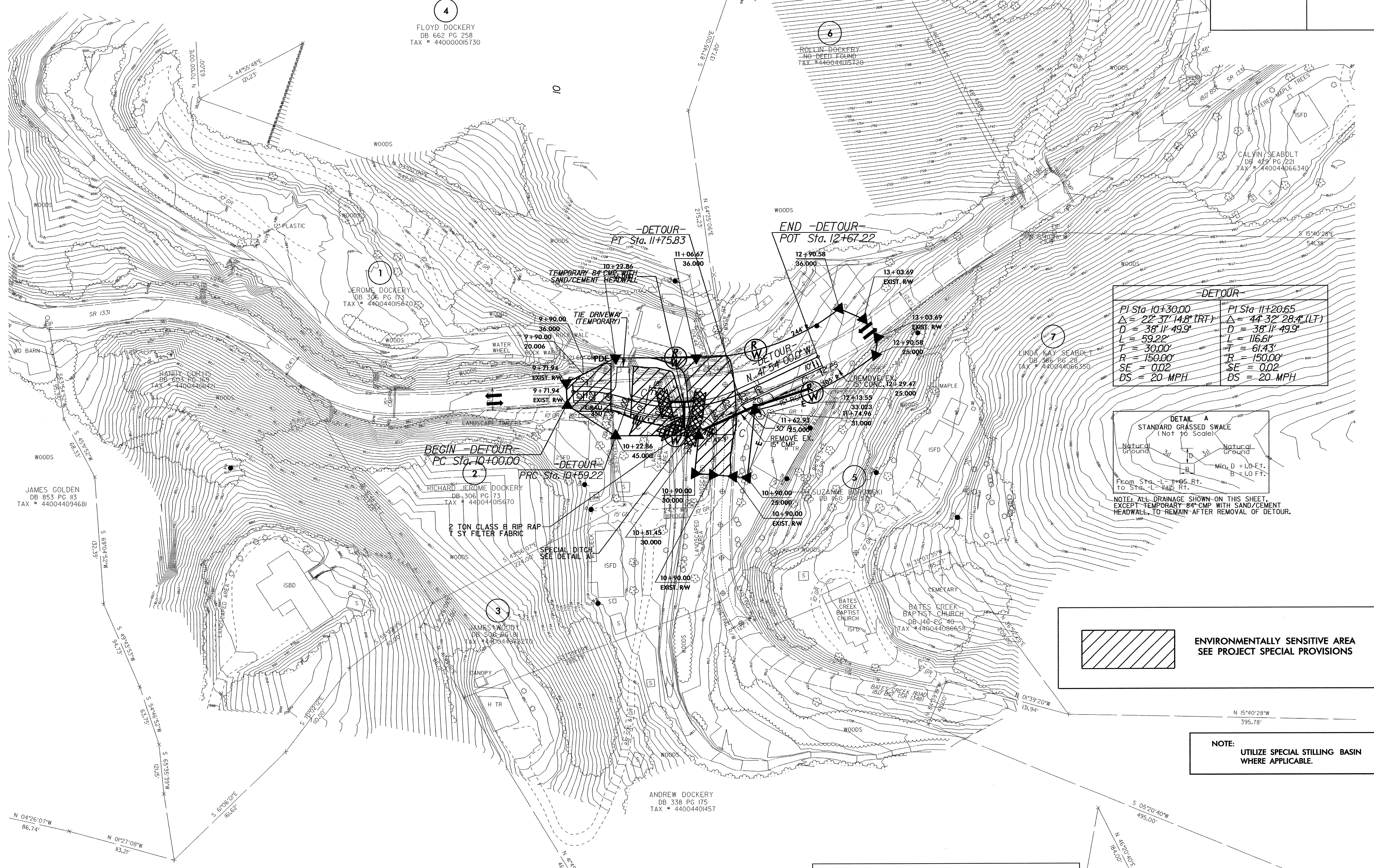
ELEVATION VIEW

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 2-B

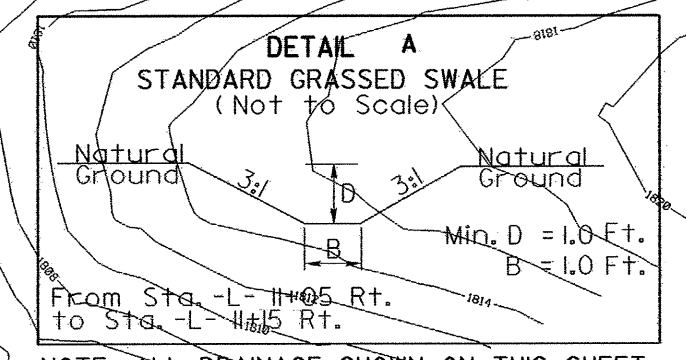
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

DETOUR

PROJECT REFERENCE NO. B-3826	SHEET NO. EC-4/CONST.2-B
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



-DETOUR-	
PI Sta 10+30.00 $\Delta = 22^\circ 37' 14.8" (RT)$ $D = 38' 11" 49.9'$ $L = 59.22'$ $T = 30.00'$ $R = 150.00'$ $SE = 0.02$ $DS = 20 MPH$	PI Sta 11+20.65 $\Delta = 44^\circ 32' 28.4" (LT)$ $D = 38' 11" 49.9'$ $L = 116.61'$ $T = 61.43'$ $R = 150.00'$ $SE = 0.02$ $DS = 20 MPH$



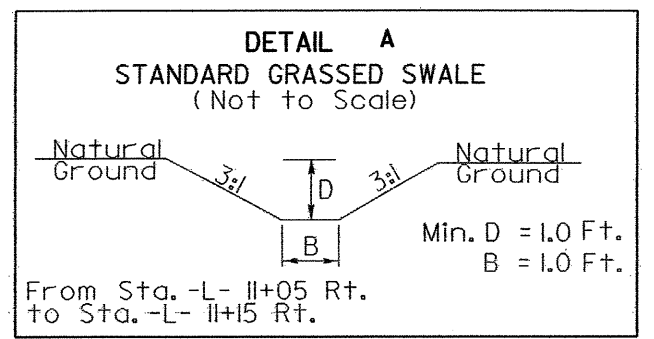
 ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

NOTE:
UTILIZE SPECIAL STILLING BASIN
WHERE APPLICABLE.

FOR -DETOUR- PROFILE, SEE SHEET NO. 5

PROJECT REFERENCE NO. B-3826	SHEET NO. EC-5/CONST.4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

**CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4**

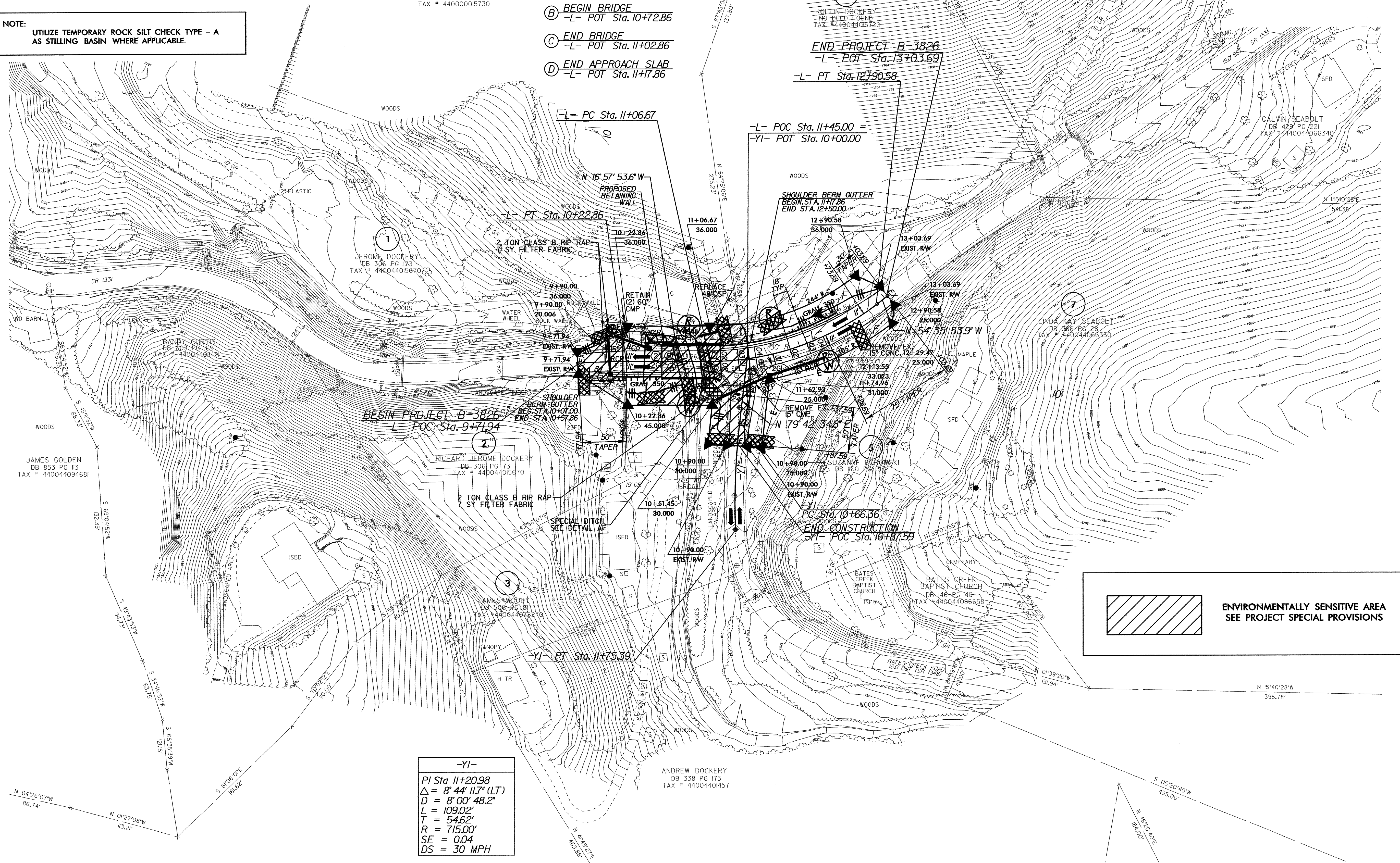


NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

NOTE:
UTILIZE TEMPORARY ROCK SILT CHECK TYPE - A AS STILLING BASIN WHERE APPLICABLE.

-L-	-L-
PI Sta 9+97.41 Δ = 3° 25' 56.3" (RT) D = 6' 44' 26.4" L = 50.92' T = 25.47' R = 850.00' SE = MATCH EX. DS = 25 MPH	PI Sta 12+02.08 Δ = 37° 38' 00.2" (LT) D = 20' 27' 46.0" L = 183.91' T = 95.41' R = 280.00' SE = 0.04 DS = 25 MPH

- (A) BEGIN APPROACH SLAB
-L- POT Sta. 10+57.86
- (B) BEGIN BRIDGE
-L- POT Sta. 10+72.86
- (C) END BRIDGE
-L- POT Sta. 11+02.86
- (D) END APPROACH SLAB
-L- POT Sta. 11+17.86



4
FLOYD DOCKERY
DB 662 PG 258
TAX # 440000051730

1
JEROME DOCKERY
DB 306 PG 173
TAX # 440044015670

2
RICHARD JEROME DOCKERY
DB 306 PG 173
TAX # 440044015670

3
JAMES GOLDEN
DB 853 PG 113
TAX # 440044094681

ANDREW DOCKERY
DB 338 PG 175
TAX # 44004401457

-YI-
PI Sta 11+20.98 Δ = 8° 44' 11.7" (LT) D = 8' 00' 48.2" L = 109.02' T = 54.62' R = 715.00' SE = 0.04 DS = 30 MPH

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

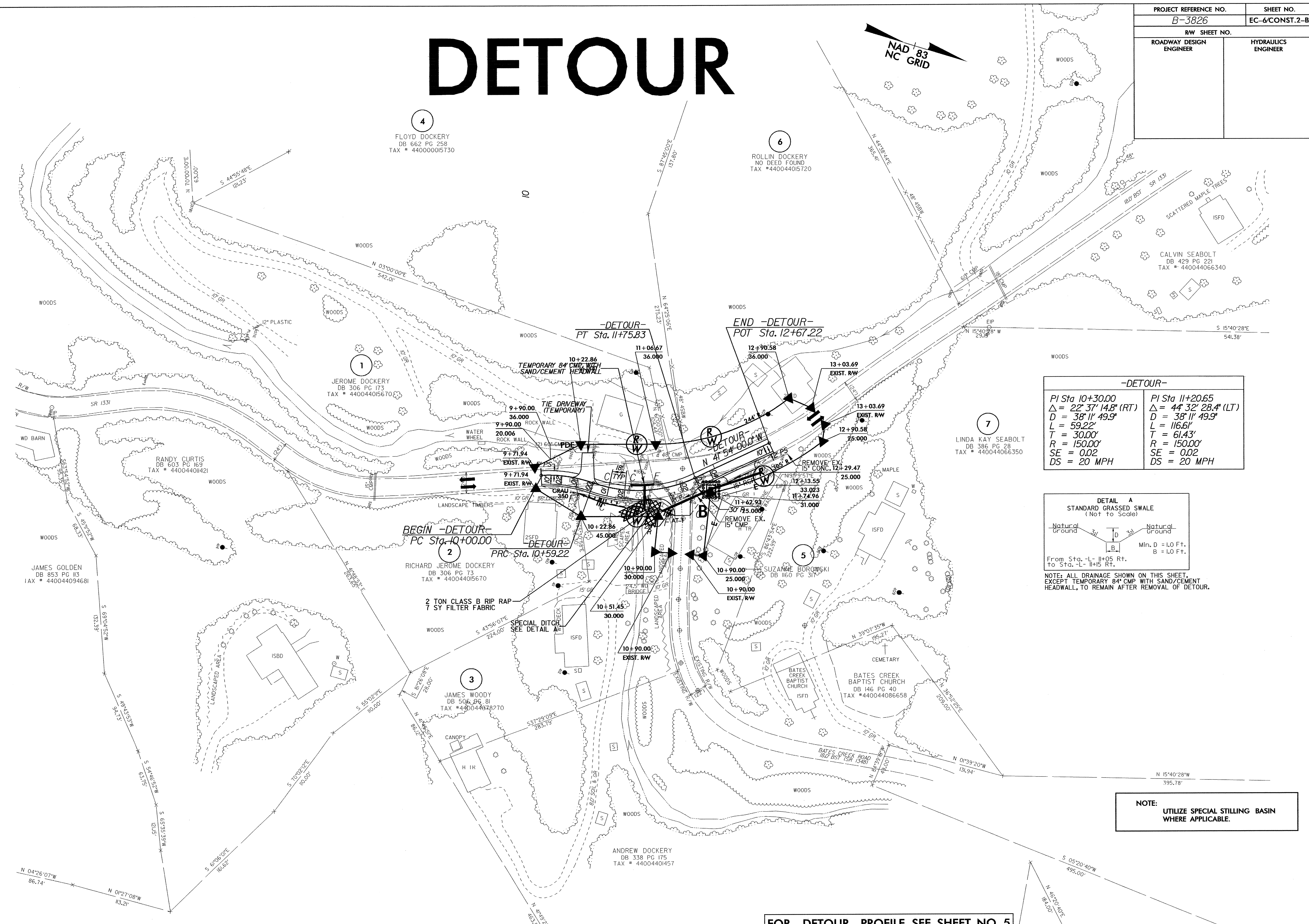
N 15° 40' 28" W
395.78'

S 05° 20' 40" W
495.00'

N 16° 20' 00" E
184.00'

DETOUR

PROJECT REFERENCE NO. B-3826	SHEET NO. EC-6/CONST.2-B
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



4
FLOYD DOCKERY
DB 662 PG 258
TAX # 44000005730

6
ROLLIN DOCKERY
NO DEED FOUND
TAX # 440044015720

1
JEROME DOCKERY
DB 306 PG 173
TAX # 440044015670

JAMES GOLDEN
DB 853 PG 113
TAX # 440044094681

2
RICHARD JEROME DOCKERY
DB 306 PG 73
TAX # 440044015670

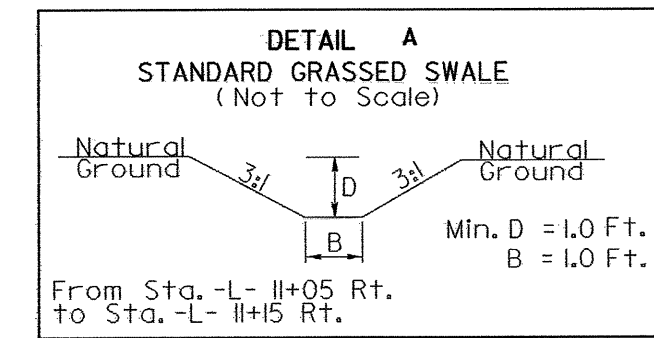
3
JAMES WOODY
DB 508 PG 81
TAX # 440044678270

ANDREW DOCKERY
DB 338 PG 175
TAX # 440044015670

7
LINDA KAY SEABOLT
DB 386 PG 28
TAX # 440044066350

-DETOUR-

PI Sta 10+30.00 $\Delta = 22^{\circ} 37' 14.8''$ (RT) D = 38' 11" 49.9" L = 59.22' T = 30.00' R = 150.00' SE = 0.02 DS = 20 MPH	PI Sta 11+20.65 $\Delta = 44^{\circ} 32' 28.4''$ (LT) D = 38' 11" 49.9" L = 116.61' T = 61.43' R = 150.00' SE = 0.02 DS = 20 MPH
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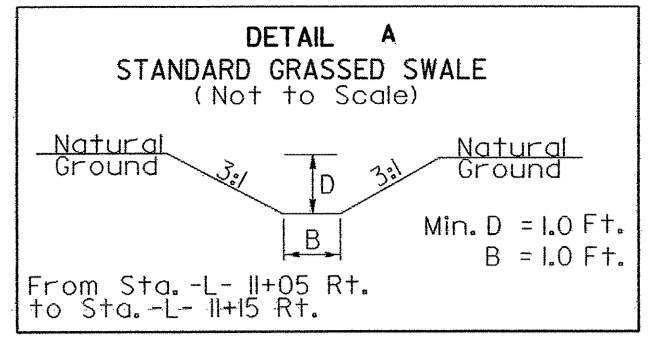


NOTE: ALL DRAINAGE SHOWN ON THIS SHEET, EXCEPT TEMPORARY 84" CMP WITH SAND/CEMENT HEADWALL, TO REMAIN AFTER REMOVAL OF DETOUR.

NOTE:
UTILIZE SPECIAL STILLING BASIN
WHERE APPLICABLE.

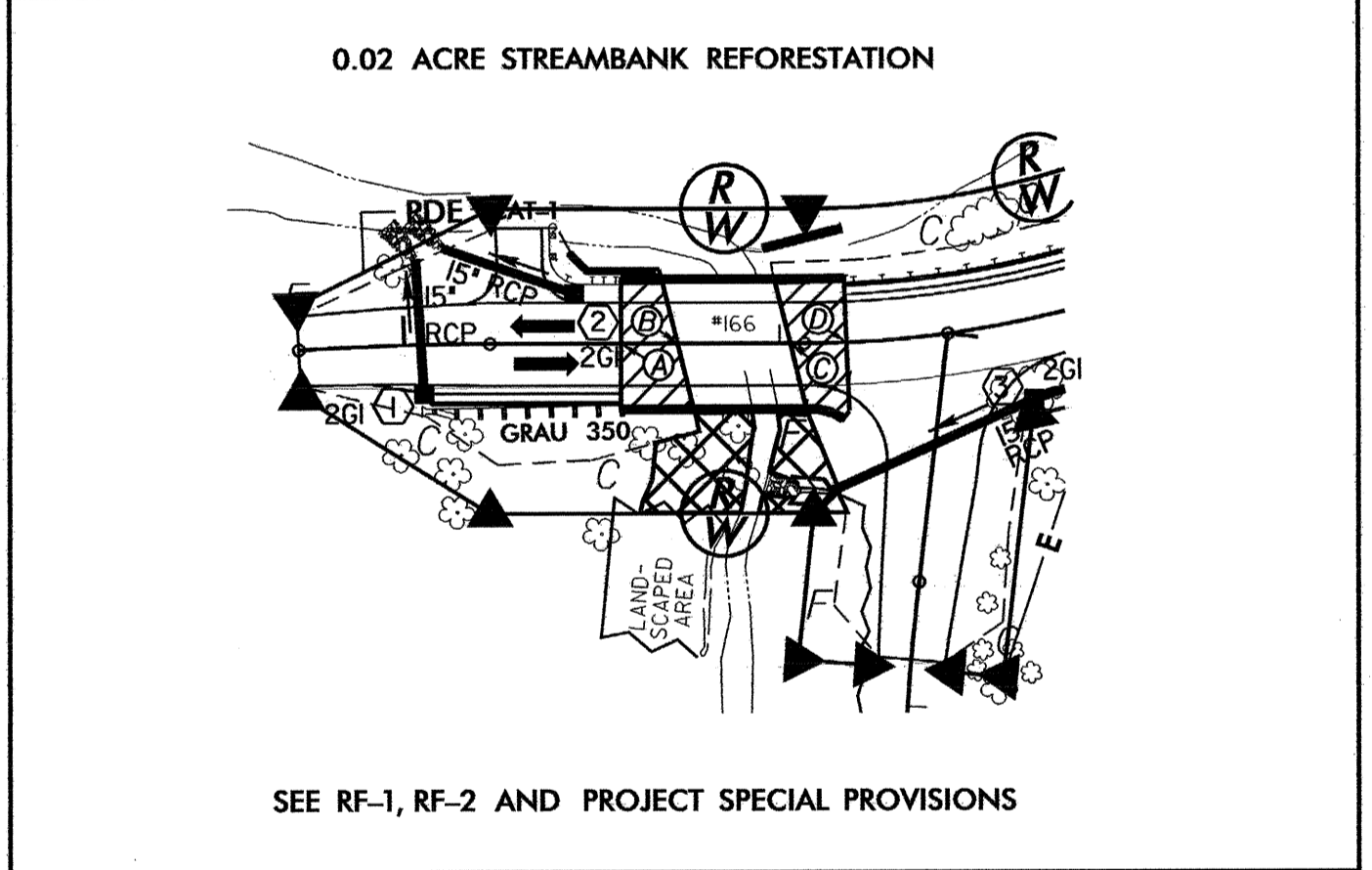
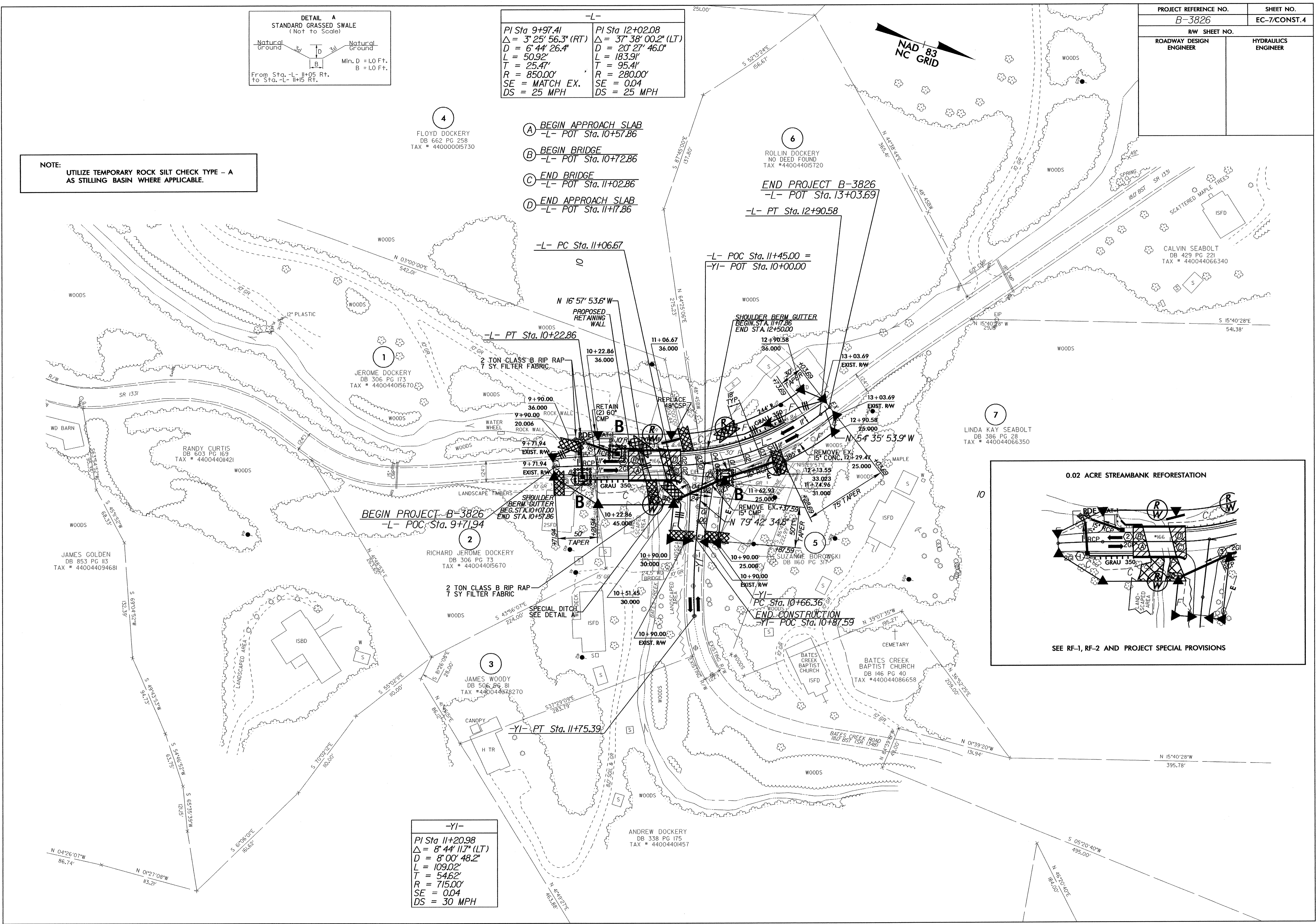
FOR -DETOUR- PROFILE, SEE SHEET NO. 5

PROJECT REFERENCE NO.	SHEET NO.
B-3826	EC-7/CONST.4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



-L- PI Sta 9+97.41 $\Delta = 3^\circ 25' 56.3''$ (RT) $D = 6' 44' 26.4''$ $L = 50.92'$ $T = 25.47'$ $R = 850.00'$ SE = MATCH EX. DS = 25 MPH	-L- PI Sta 12+02.08 $\Delta = 37^\circ 38' 00.2''$ (LT) $D = 20' 27' 46.0''$ $L = 183.91'$ $T = 95.41'$ $R = 280.00'$ SE = 0.04 DS = 25 MPH
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NOTE:
UTILIZE TEMPORARY ROCK SILT CHECK TYPE - A AS STILLING BASIN WHERE APPLICABLE.



-YI- PI Sta 11+20.98 $\Delta = 8^\circ 00' 48.2''$ $D = 8' 00' 48.2''$ $L = 109.02'$ $T = 54.62'$ $R = 715.00'$ SE = 0.04 DS = 30 MPH
