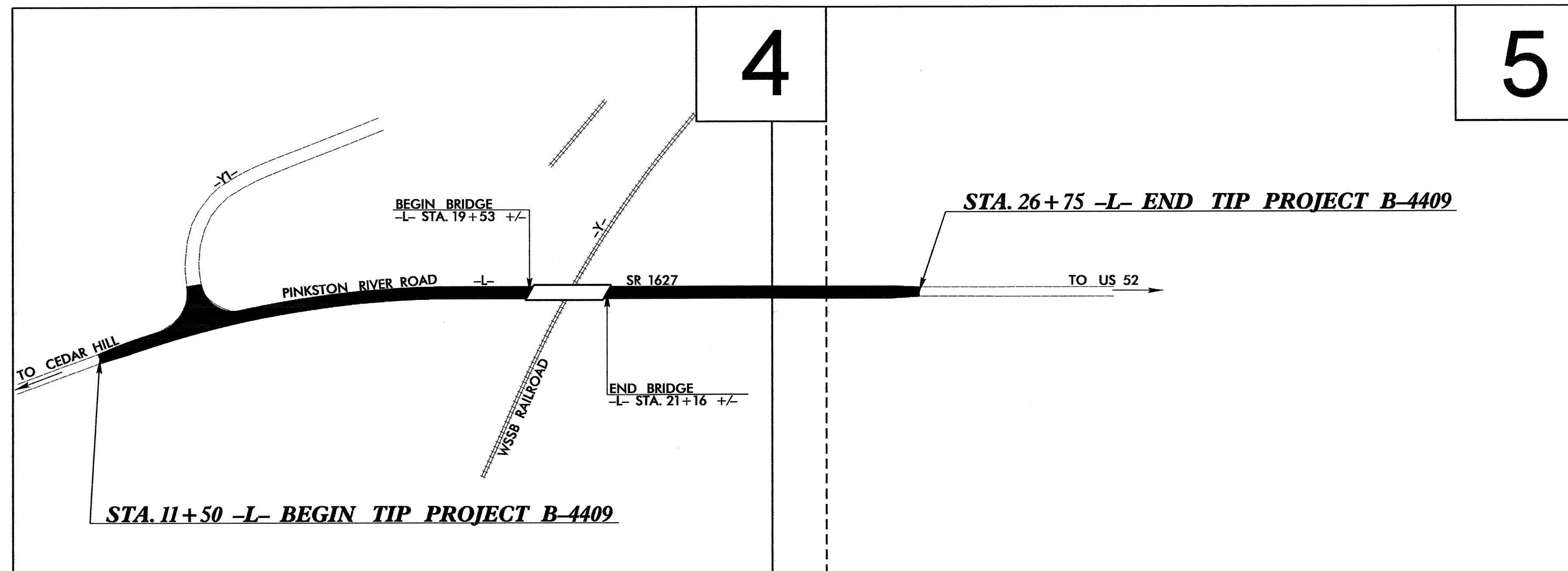
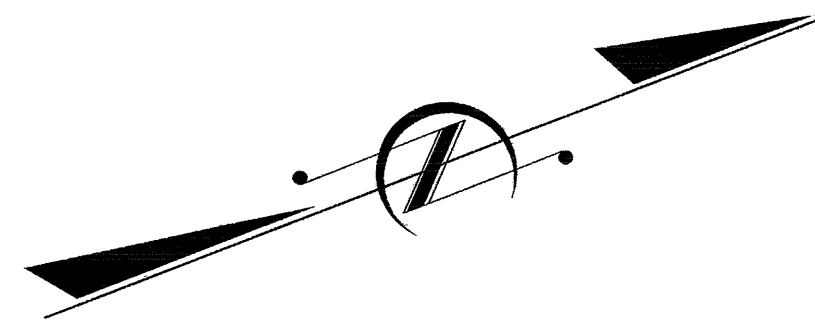


TIP PROJECT: B-4409

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

**LOCATION: BRIDGE NO. 308 OVER THE WINSTON-SALEM SOUTH
 BOUND RAILROAD ON SR 1627 (PINKSTON RIVER RD)**

TYPE OF WORK: GRADING, PAVING, DRAINAGE, AND STRUCTURE



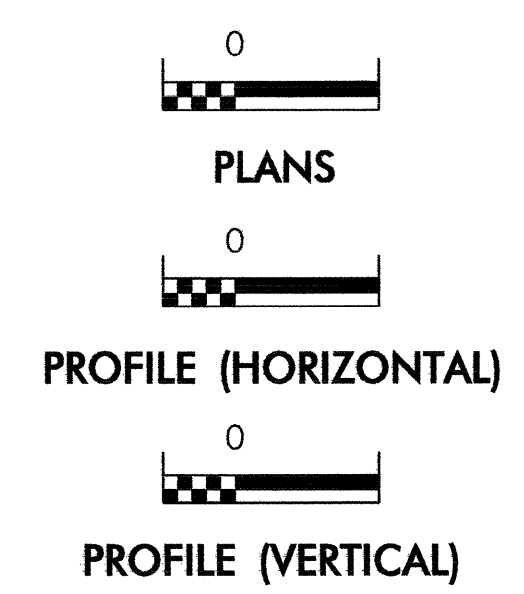
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-4409	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	TD
1630.05	Temporary Diversion	TD
1605.01	Temporary Silt Fence	
1606.01	Special Sediment Control Fence	
1622.01	Temporary Berms and Slope Drains	— T —
1630.01	Riser Basin	⊙
	Silt Basin Type B	▨
1633.01	Temporary Rock Silt Check Type-A	▩
	Temporary Rock Silt Check Type-B	▶
	Wattle	⤿
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	▭
1630.06	Special Stilling Basin	▭
	Rock Inlet Sediment Trap:	
1632.01	Type A	A
1632.02	Type B	B
1632.03	Type C	C
	Skimmer Basin	▭
	Tiered Skimmer Basin	▭
	Infiltration Basin	▭

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

GRAPHIC SCALE



ROADSIDE ENVIRONMENTAL UNIT
 DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA

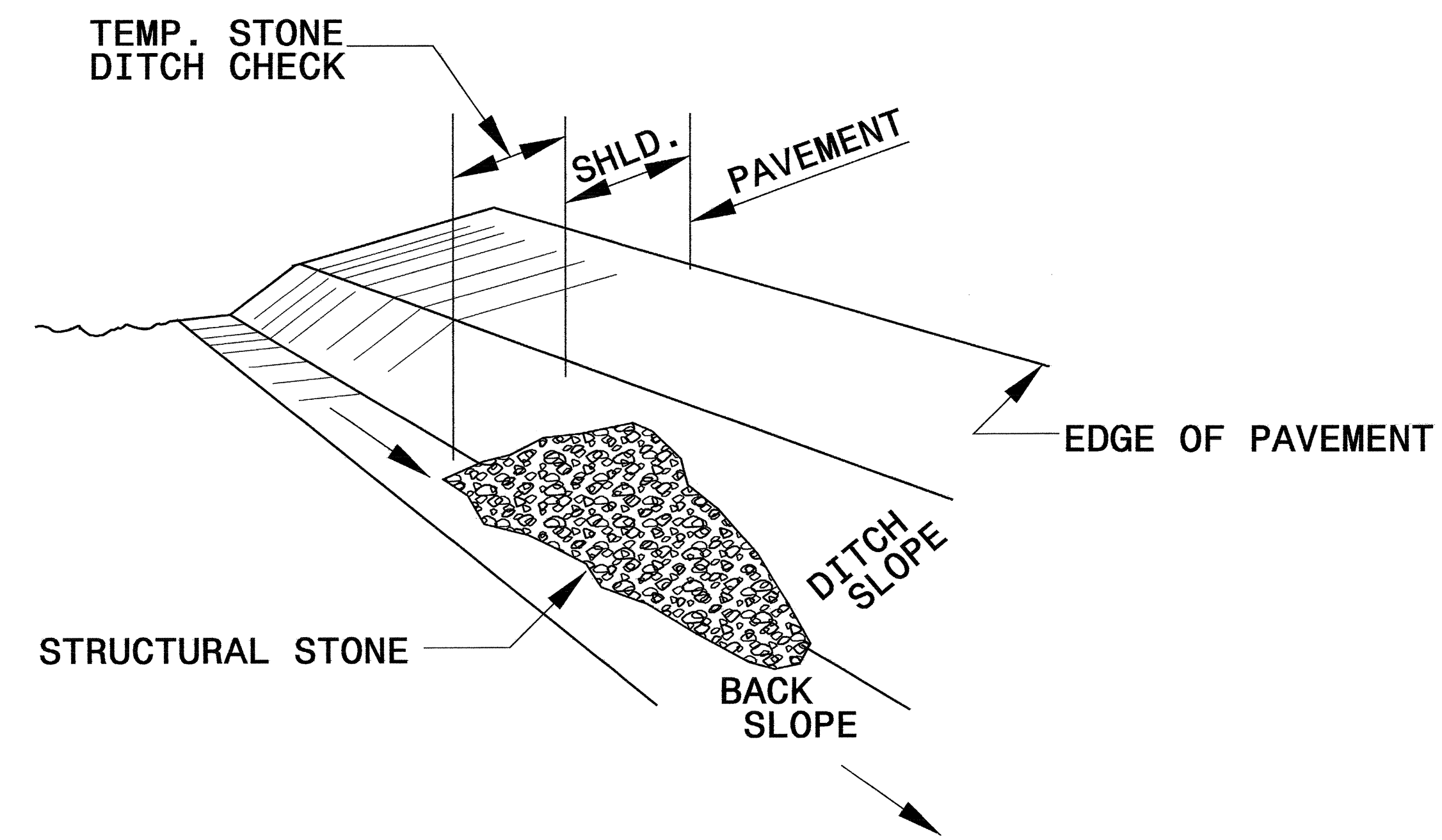
Prepared in the Office of:
ROADSIDE ENVIRONMENTAL UNIT
 1 South Wilmington St.
 Raleigh, NC 27611
2006 STANDARD SPECIFICATIONS

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	1632.03 Rock Inlet Sediment Trap Type C
1606.01 Special Sediment Control Fence	1633.01 Temporary Rock Silt Check Type A
1607.01 Gravel Construction Entrance	1635.02 Rock Pipe Inlet Sediment Trap Type B
1622.01 Temporary Berms and Slope Drains	
1630.03 Temporary Silt Ditch	
1630.05 Temporary Diversion	

PROJECT REFERENCE NO. B-4409	SHEET NO. EC-2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TEMPORARY ROCK SILT CHECK TYPE 'B' DETAIL

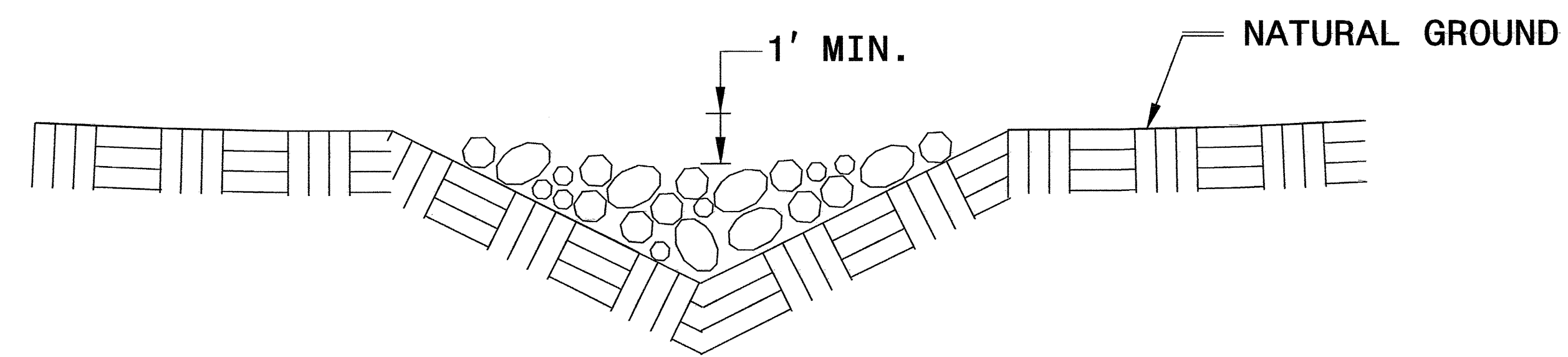


ISOMETRIC VIEW

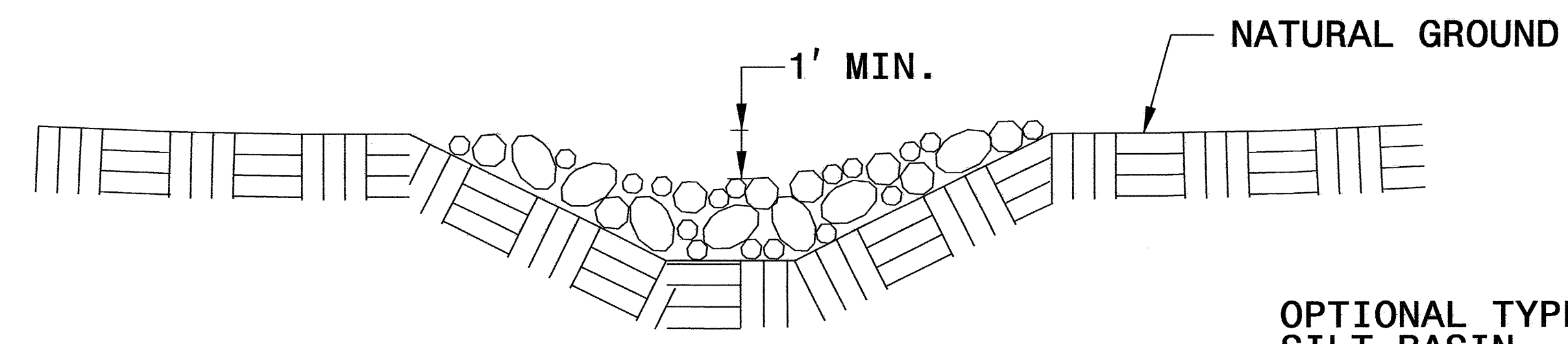
NOTES:

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

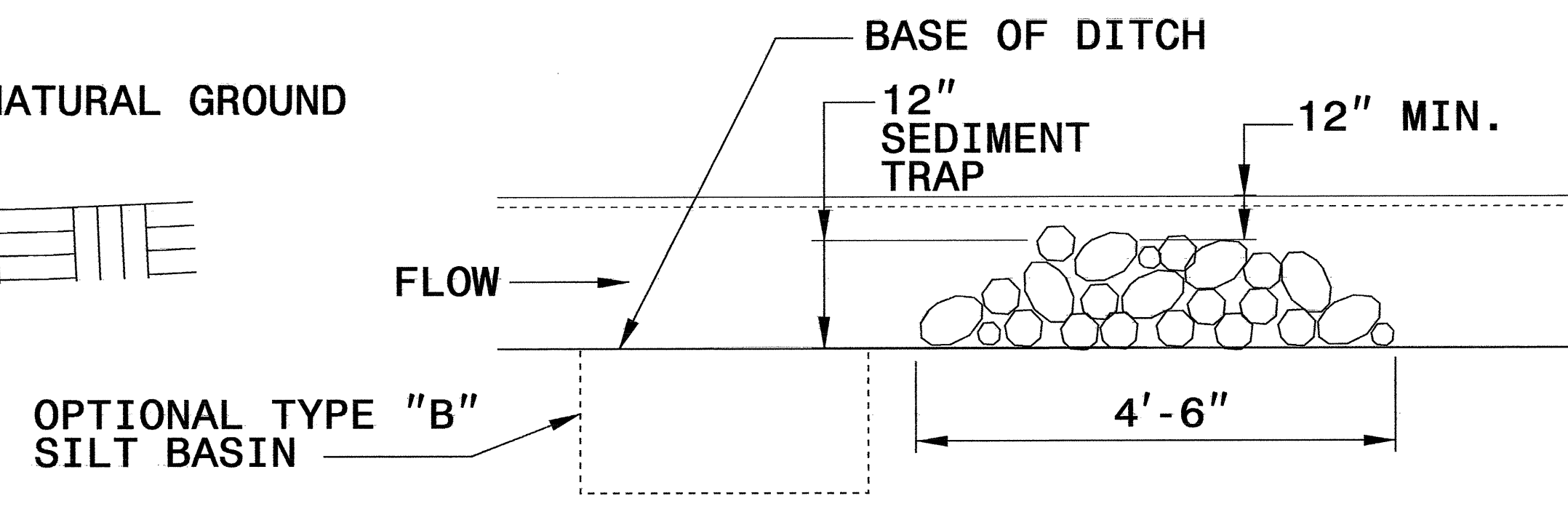
THE ENGINEER MAY DIRECT THE OPTION OF CLASS "A" STONE FOR SITES HAVING LESS THAN ONE (1) ACRE DRAINAGE AREA AND A DITCH GRADE LESS THAN 3%.



CROSS SECTION VEE DITCH



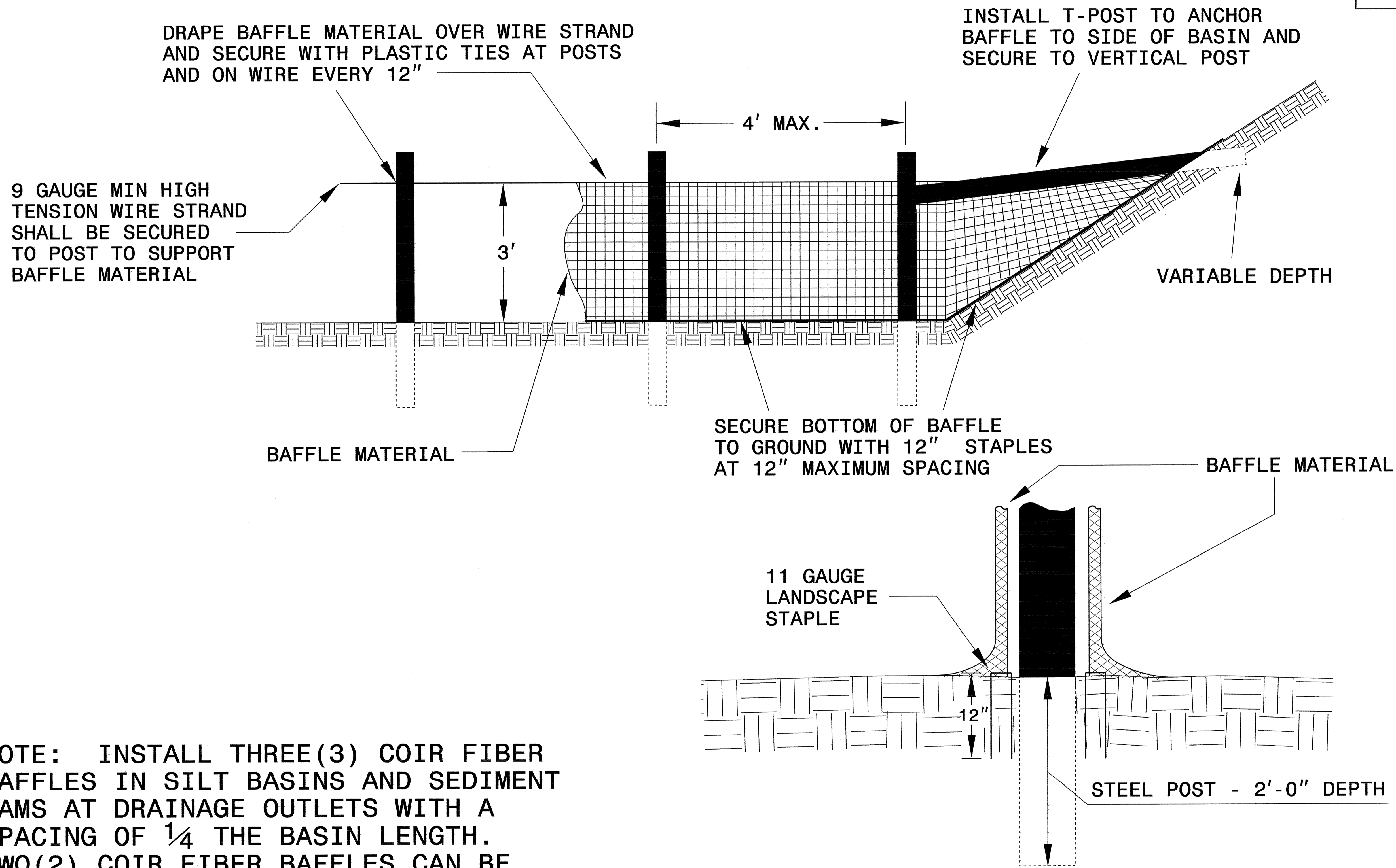
CROSS SECTION TRAPEZOIDAL DITCH



ELEVATION VIEW

PROJECT REFERENCE NO. B-4409	SHEET NO. EC-2A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

COIR FIBER BAFFLE DETAIL

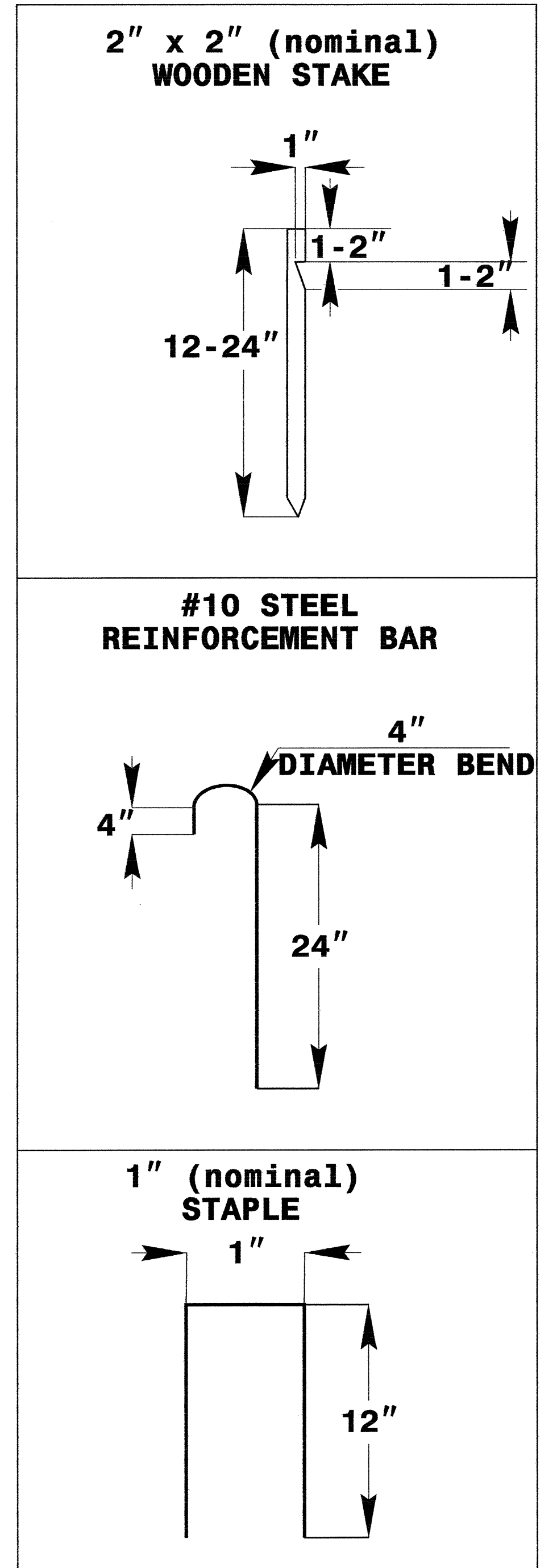
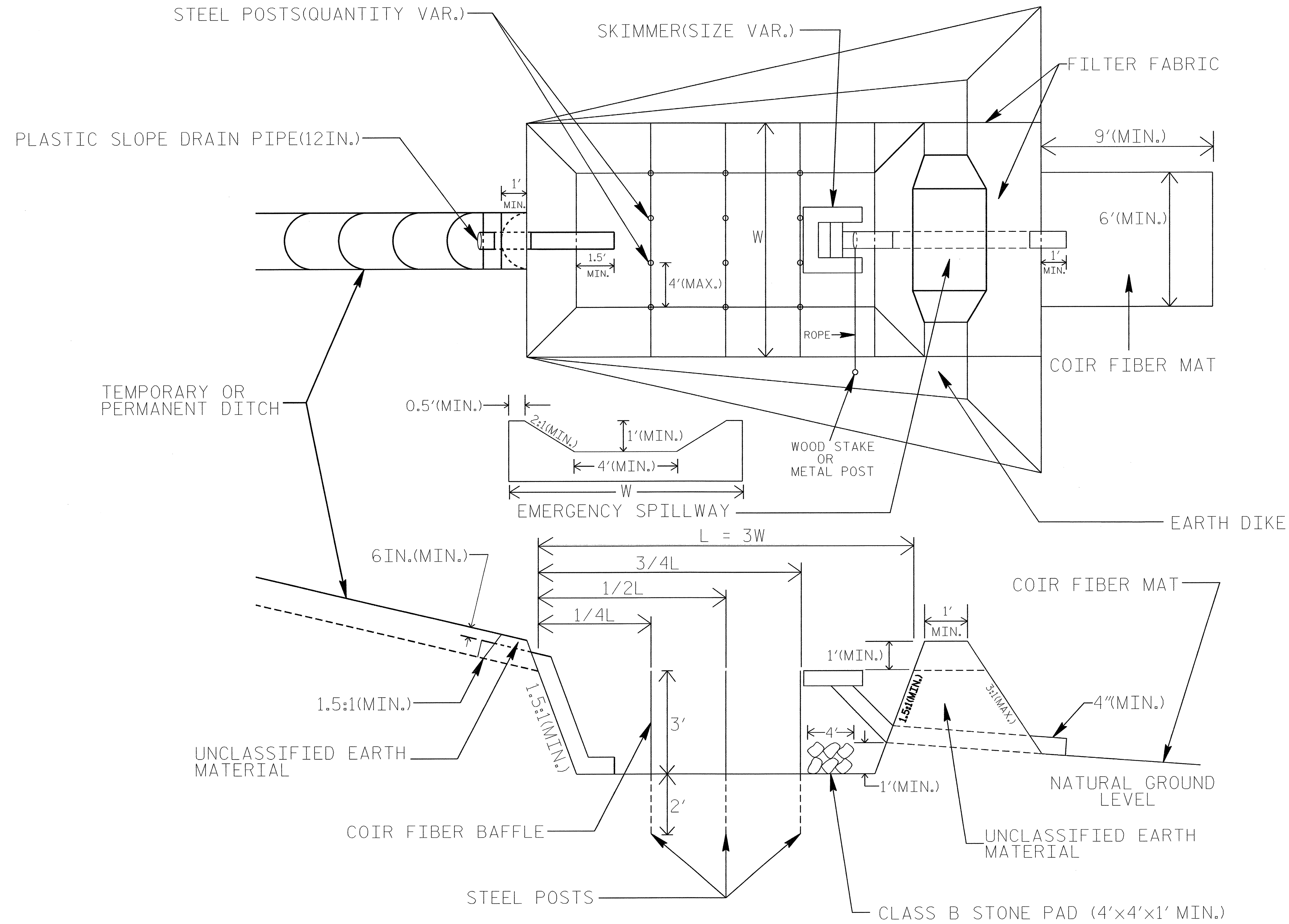


NOTE: INSTALL THREE(3) COIR FIBER BAFFLES IN SILT BASINS AND SEDIMENT DAMS AT DRAINAGE OUTLETS WITH A SPACING OF $\frac{1}{4}$ THE BASIN LENGTH. TWO(2) COIR FIBER BAFFLES CAN BE INSTALLED IN SILT BASINS AND DAMS LESS THAN 20 FT. IN LENGTH WITH A SPACING OF $\frac{1}{3}$ THE BASIN LENGTH.

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

SKIMMER BASIN WITH BAFFLES DETAIL

PROJECT REFERENCE NO. B-4409	SHEET NO. EC-2B
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



COIR FIBER MAT ANCHOR OPTIONS

NOTES

1. SEED AND PLACE MATTING FOR EROSION CONTROL ON INTERIOR SIDESLOPES.
2. LIMIT EARTH DIKE HEIGHT TO 5 FT.
3. THE MINIMUM BASIN WIDTH SHALL BE 9 FT.
4. DETERMINE EMERGENCY SPILLWAY LENGTH (FT.) USING $Q/0.8$, WHERE Q IS FLOW RATE (CFS) INTO BASIN.

NOT TO SCALE

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

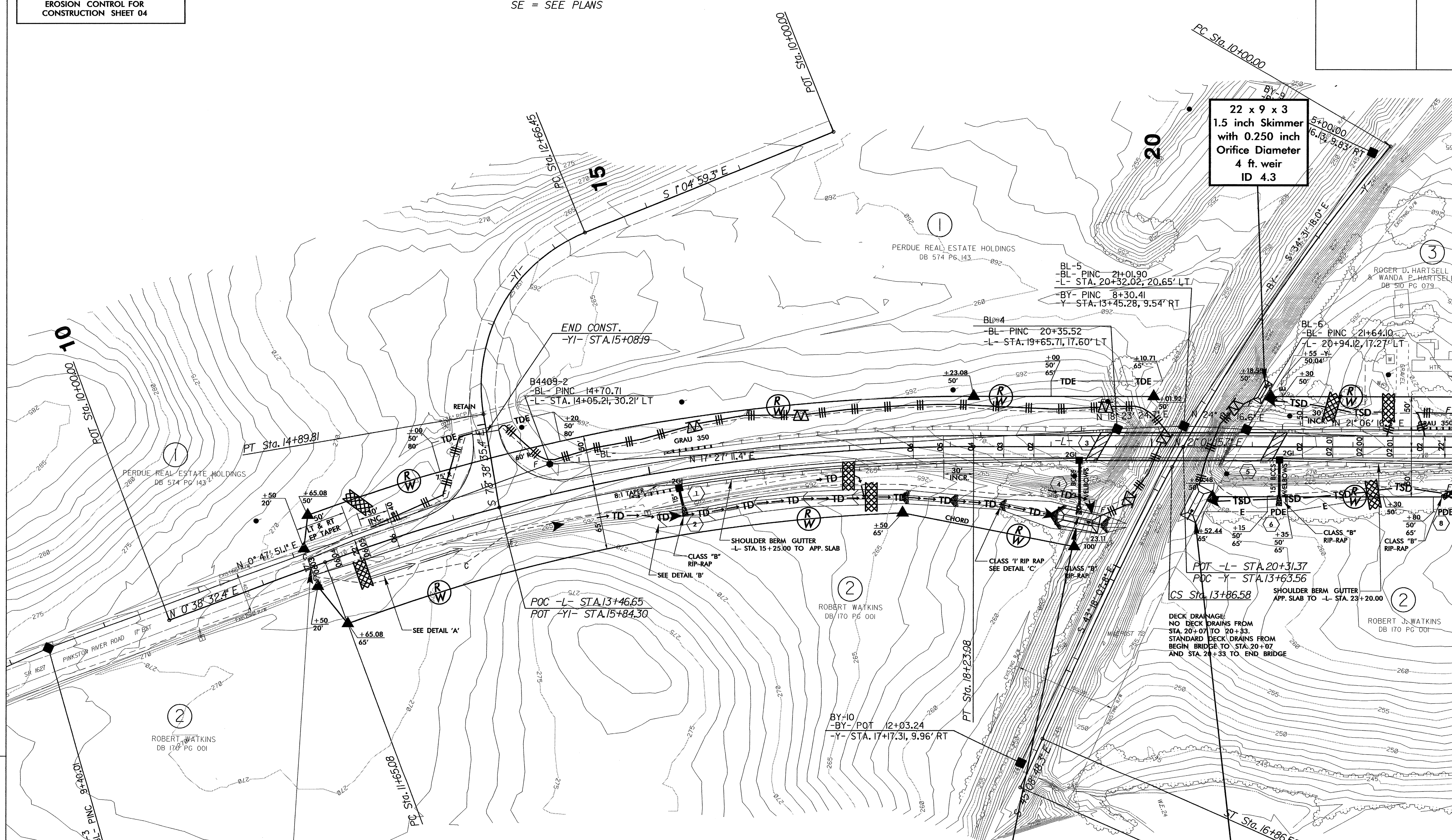
CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 04

-L-	-Y-	-YI-	-YI-
PI Sta 14+97.59	PI Sta 11+93.95	PIs Sta 14+86.64	PI Sta 13+99.02
$\Delta = 20' 22" 43.3" (RT)$	$\Delta = 1' 35" 45.6" (LT)$	$\Theta_s = 4' 29" 58.1"$	$\Delta = 7' 33' 36.1" (LT)$
$D = 3' 05' 49.4"$	$D = 2' 59' 58.8"$	$L_s = 300.00'$	$D = 34' 43' 29.0"$
$L = 658.00'$	$L = 386.58'$	$LT = 200.06'$	$L = 223.36'$
$T = 332.51'$	$T = 193.95'$	$ST = 100.06'$	$T = 132.57'$
$R = 1,850.00'$	$R = 1,910.08'$		$R = 165.00'$
SE = SEE PLANS			

NAD 83 | CORS 96

PROJECT REFERENCE NO. B-4409	SHEET NO. EC-04/CONST.04
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

REVISIONS



STA. 11+50 -L- BEGIN TIP PROJECT B-4409

43 x 18 x 3
1.5 inch Skimmer
with 0.750 inch
Orifice Diameter
10 ft. weir
ID 4.1

35 x 17 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
9 ft. weir
ID 4.2F

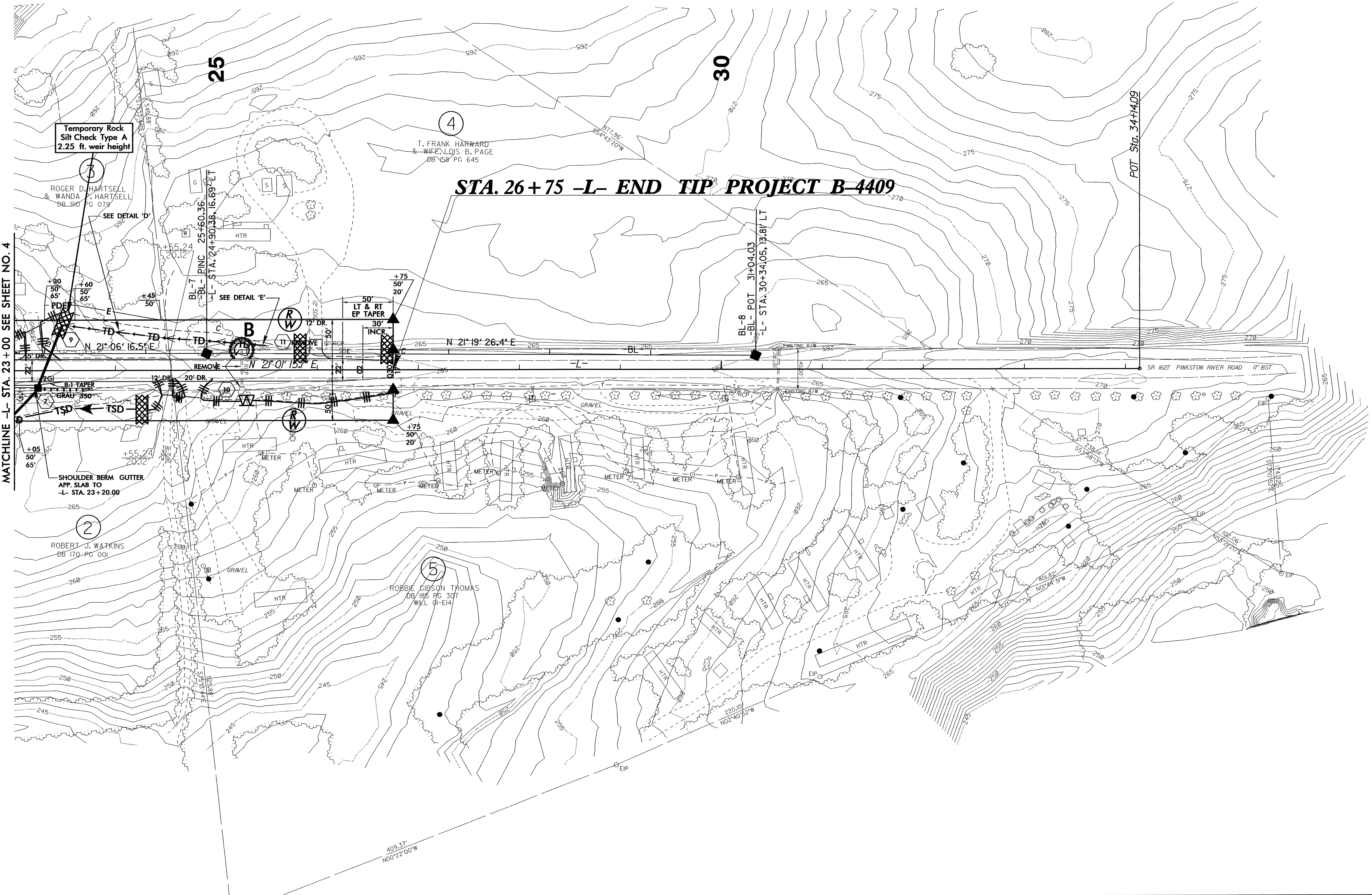
MATCHLINE -L- STA. 23+00 SEE SHEET NO. 5

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 05

PROJECT REFERENCE NO. B-4409	SHEET NO. EC-05/CONST.05
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83 | CORS 96



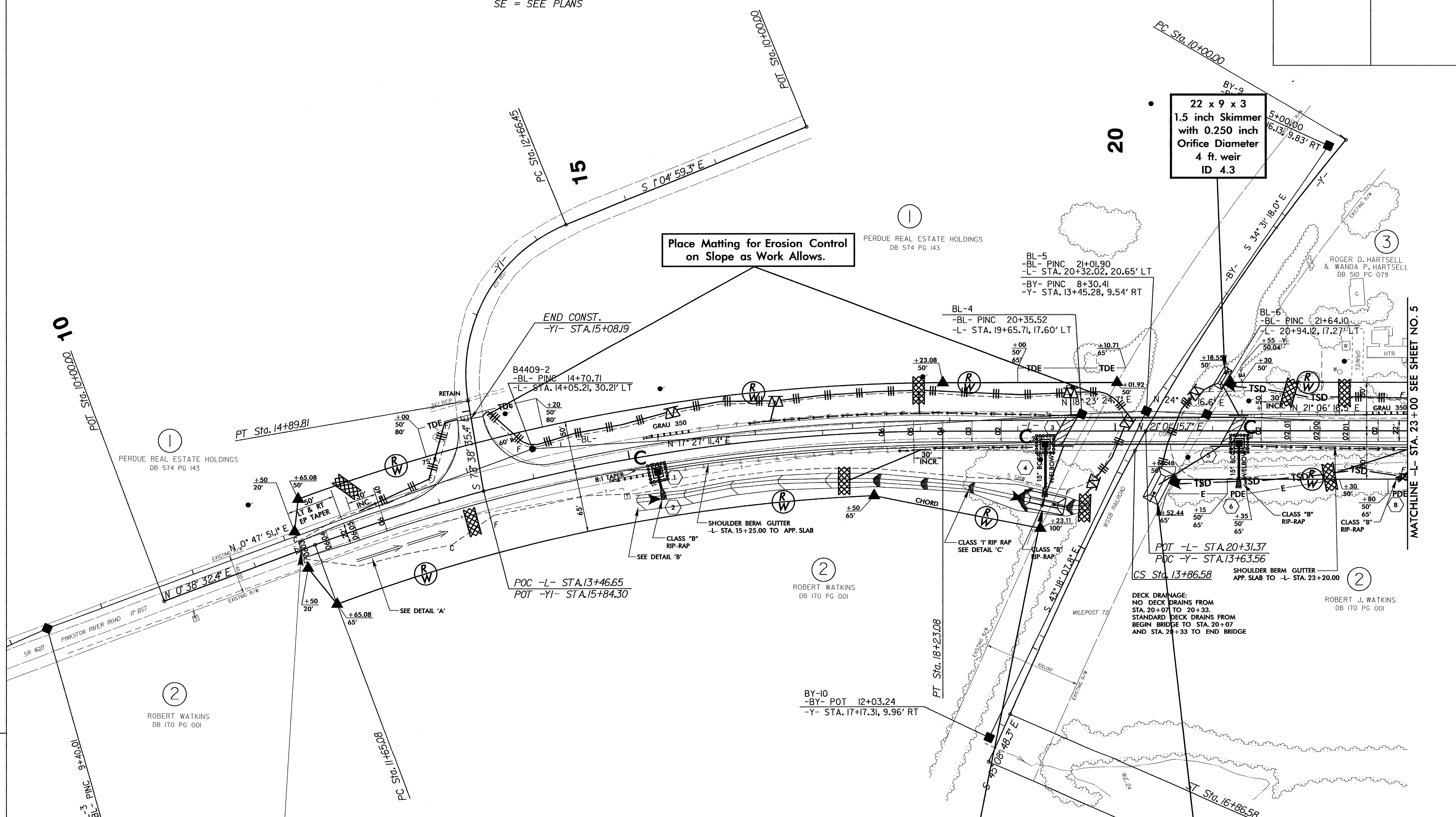
REVISIONS

PROJECT REFERENCE NO. B-4409	SHEET NO. EC-06/CONST.04
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

-L-	-Y-	-Y1-	-YI-
PI Sta 14+97.59 Δ = 20° 22' 43.3" (RT) D = 3° 05' 49.4" L = 658.00' T = 332.5' R = 1,850.00' SE = SEE PLANS	PI Sta 11+93.95 Δ = 11° 35' 45.6" (LT) D = 2° 59' 58.8" L = 386.58' T = 193.95' R = 1,910.08'	PIs Sta 14+86.64 Θs = 4° 29' 58.1" Ls = 300.00' LT = 200.06' ST = 100.06'	PI Sta 13+99.02 Δ = 77° 33' 36.1" (LT) D = 34° 43' 29.0" L = 223.36' T = 132.57' R = 165.00'

NAD 83 | CORS 96

REVISIONS

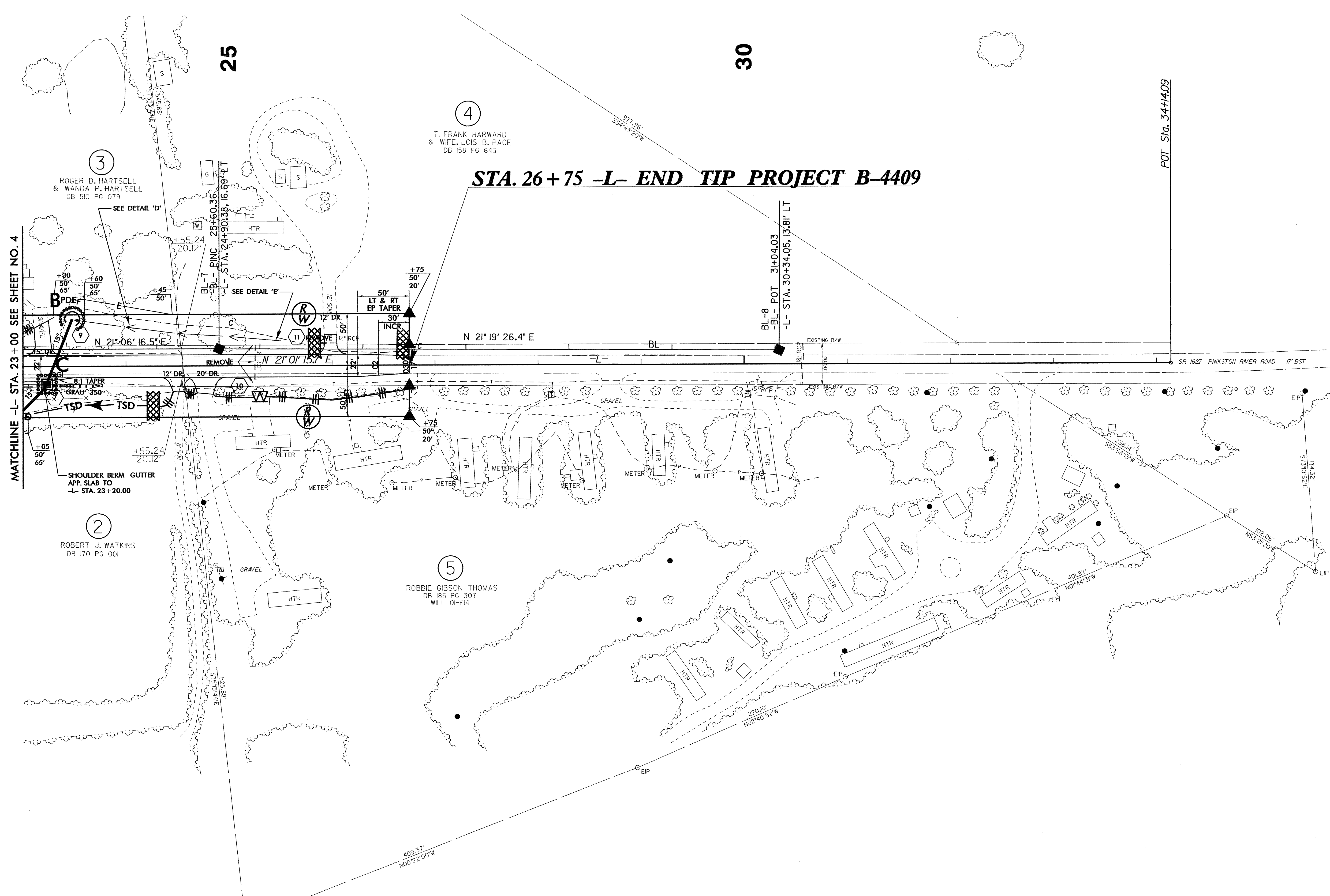


STA. 11+50 -L- BEGIN TIP PROJECT B-4409

MATCHLINE -L- STA. 23+00 SEE SHEET NO. 5

PROJECT REFERENCE NO.	SHEET NO.
B-4409	EC-07/CONST.05
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83 COR 96



REVISIONS