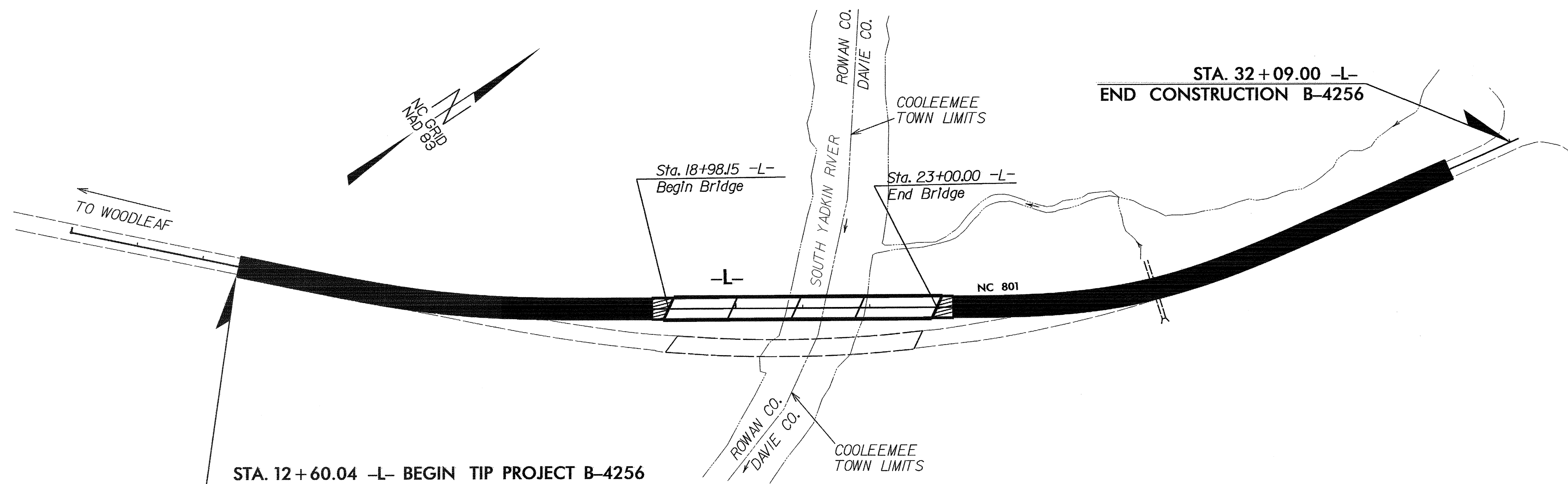


TIP PROJECT: B-4256

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

ROWAN-DAVIE COUNTIES

LOCATION: BRIDGE NO. 80 OVER SOUTH YADKIN RIVER ON NC 801
TYPE OF WORK: GRADING, DRAINAGE, STRUCTURE, AND PAVING



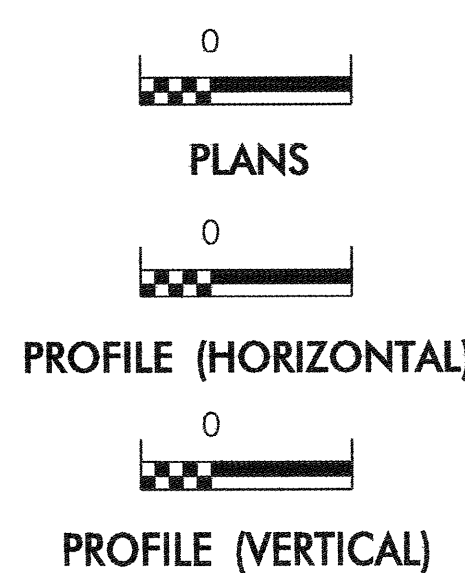
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-4256	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
	Streambank Reforestation.....	
1630.05	Temporary Silt Ditch.....	
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.**

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

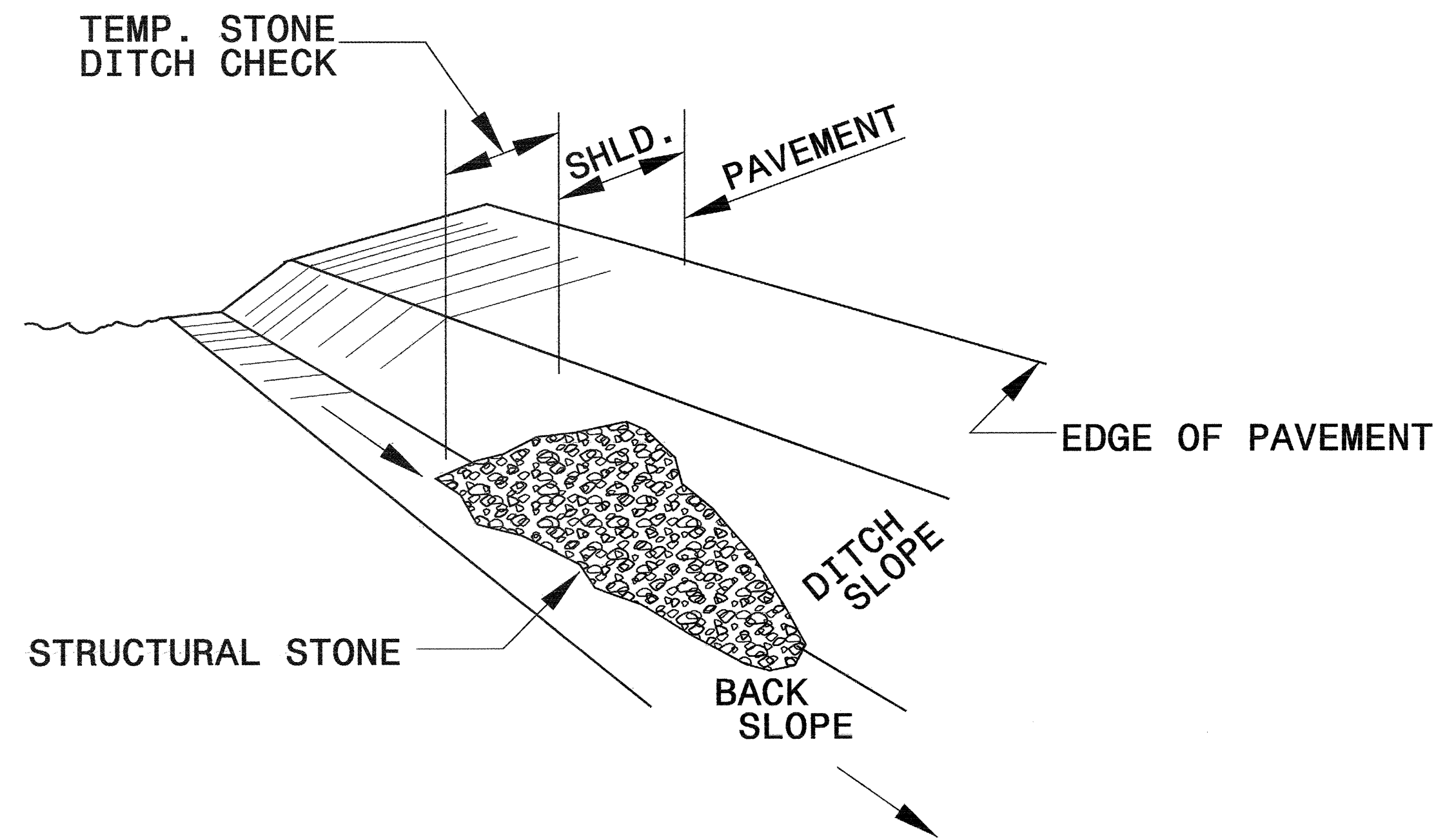
Roadway Standard Drawings

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
1607.01	Gravel Construction Entrance	1632.03	Rock Inlet Sediment Trap Type C
1622.01	Temporary Berms and Slope Drains	1633.01	Temporary Rock Silt Check Type A
1630.02	Silt Basin Type B	1634.02	Temporary Rock Sediment Dam Type B
1630.03	Temporary Silt Ditch	1635.01	Rock Pipe Inlet Sediment Trap Type A
1630.04	Stilling Basin		

PROJECT REFERENCE NO. B-4256	SHEET NO. EC-2
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TEMPORARY ROCK SILT CHECK TYPE 'B' DETAIL

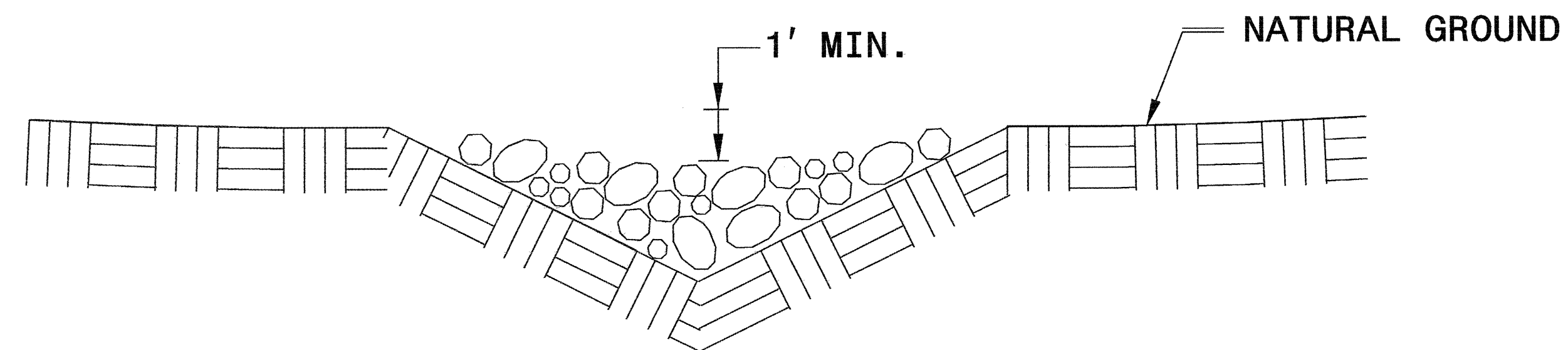


ISOMETRIC VIEW

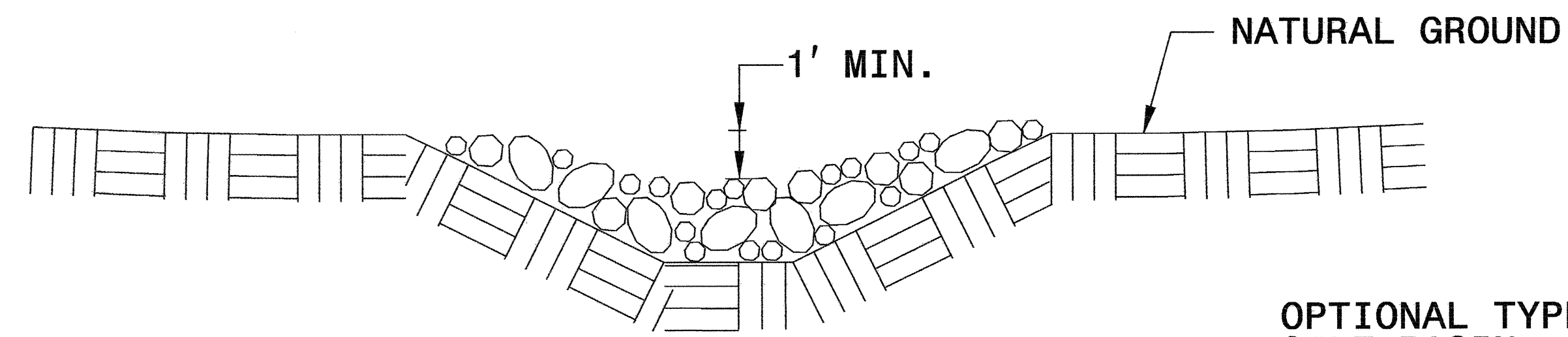
NOTES:

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

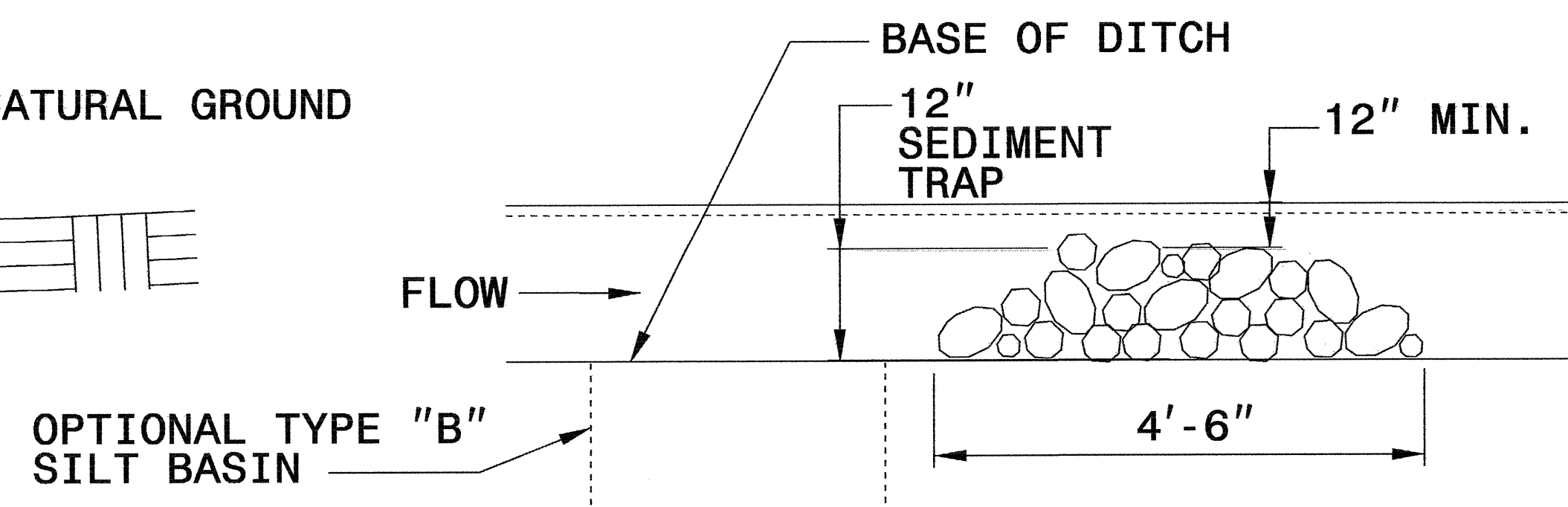
THE ENGINEER MAY DIRECT THE OPTION OF CLASS "A" STONE FOR SITES HAVING LESS THAN ONE (1) ACRE DRAINAGE AREA AND A DITCH GRADE LESS THAN 3%.



**CROSS SECTION
VEE DITCH**



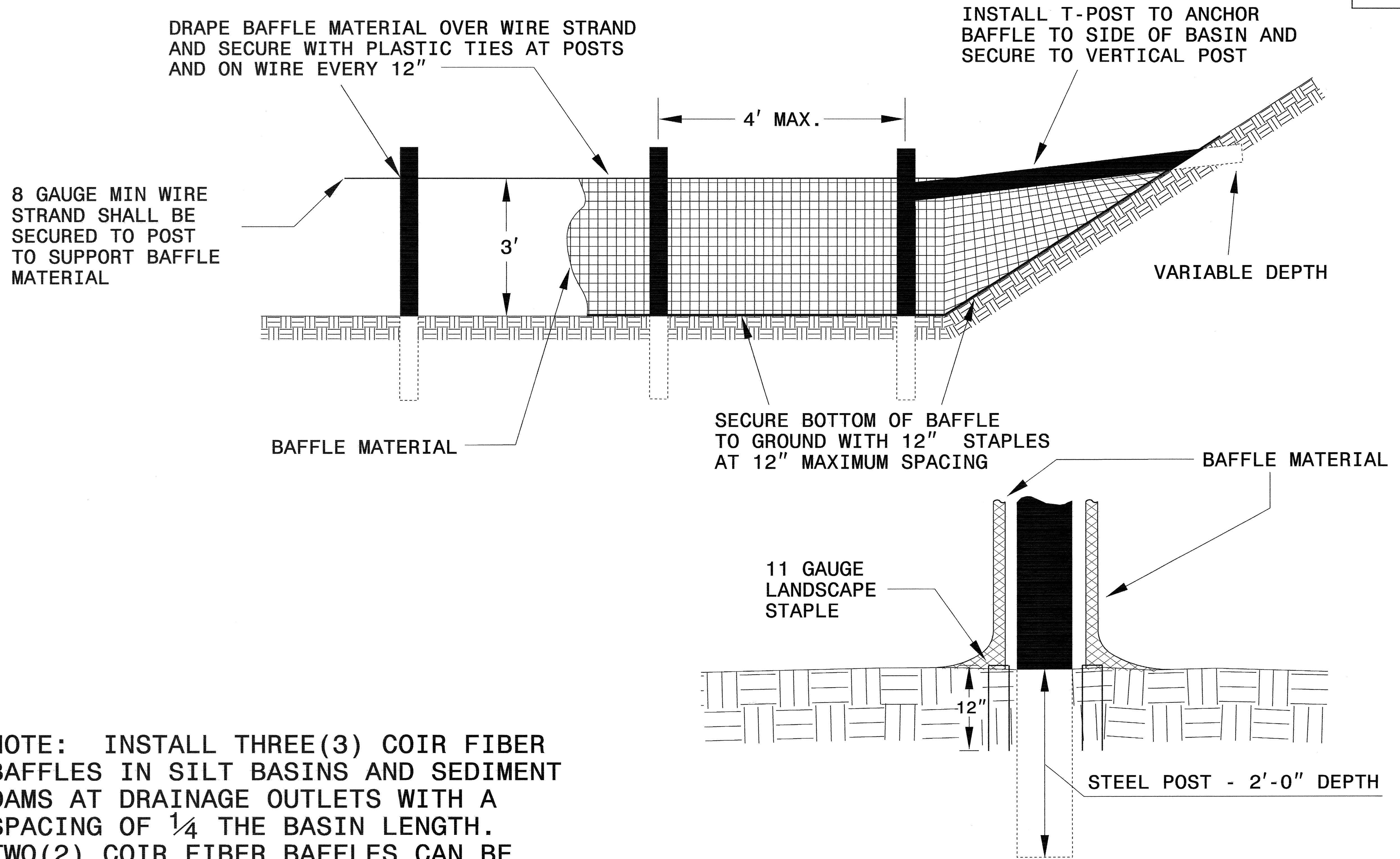
**CROSS SECTION
TRAPEZOIDAL DITCH**



ELEVATION VIEW

PROJECT REFERENCE NO. B-4256	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.

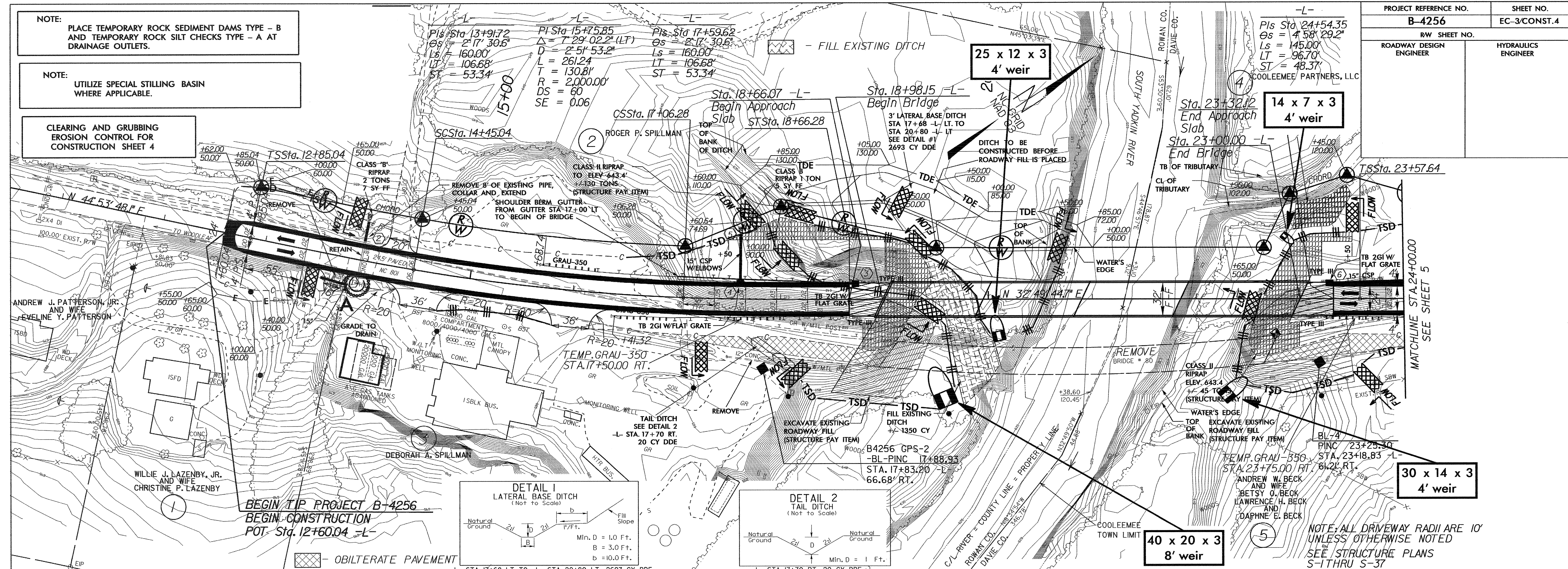
BAFFLE MATERIAL SHALL BE SECURED TO THE BOTTOM AND SIDES OF BASIN USING 12" LANDSCAPE STAPLES

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

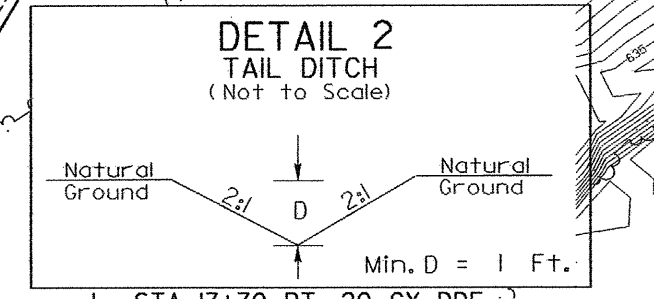
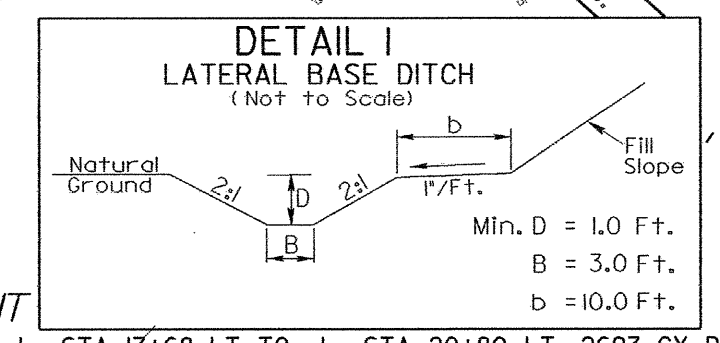
NOTE:
UTILIZE SPECIAL STILLING BASIN WHERE APPLICABLE.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 4

PROJECT REFERENCE NO. B-4256	SHEET NO. EC-3/CONST.4
RW SHEET NO. ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



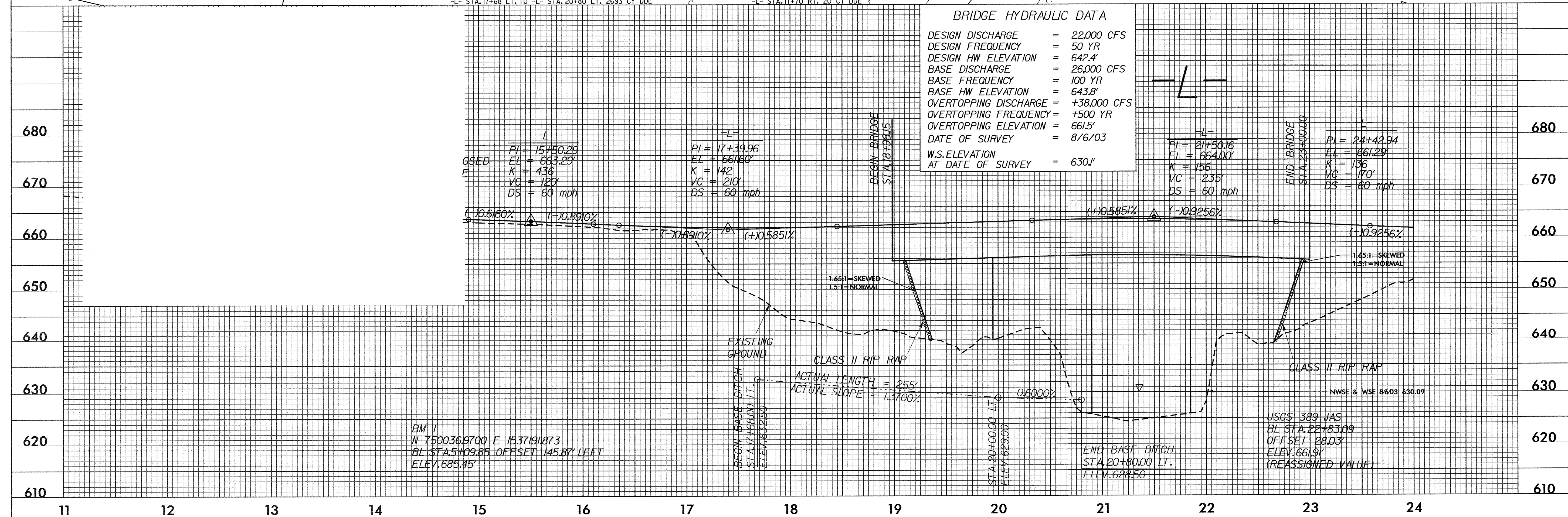
BEGIN TIP PROJECT B-4256
BEGIN CONSTRUCTION
POT. Sta. 12+60.04 -L-

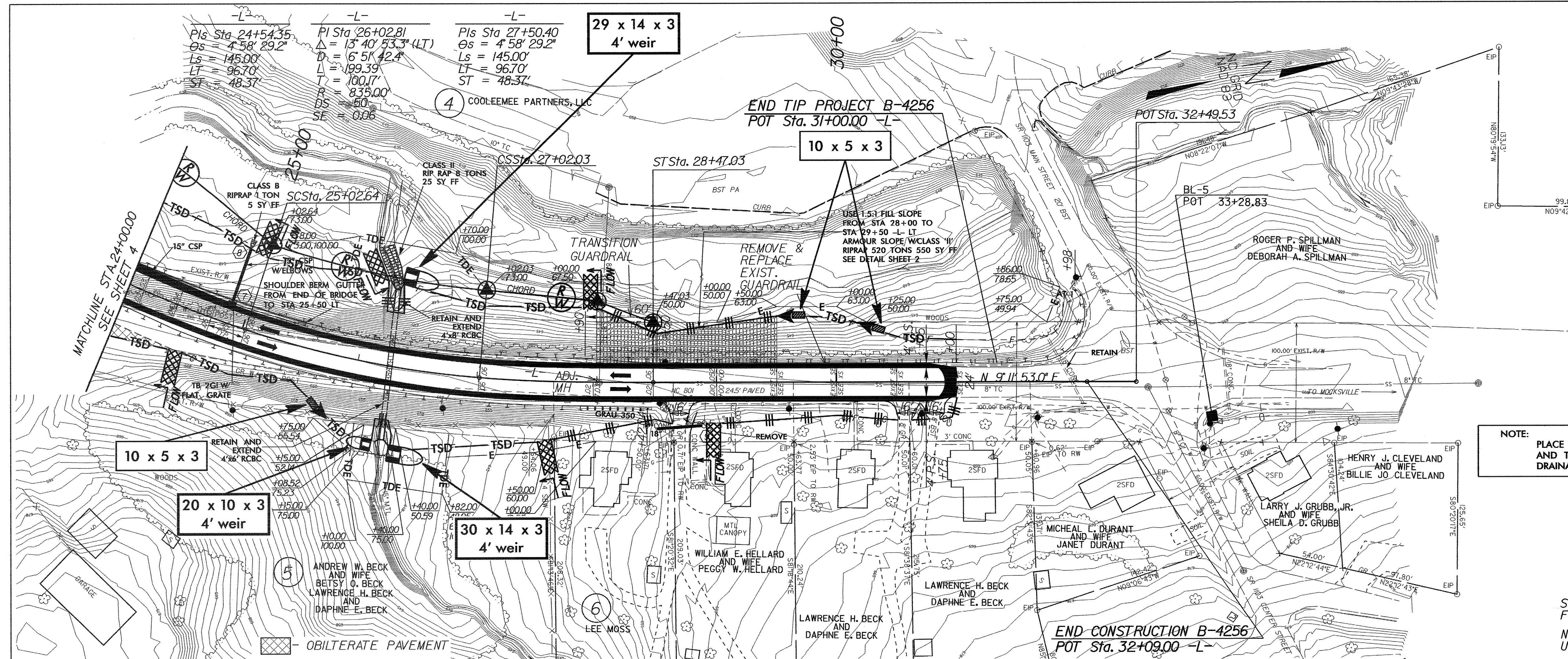


NOTE: ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED
SEE STRUCTURE PLANS S-1 THRU S-37

BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	= 22,000 CFS
DESIGN FREQUENCY	= 50 YR
DESIGN HW ELEVATION	= 642.4'
BASE DISCHARGE	= 26,000 CFS
BASE FREQUENCY	= 100 YR
BASE HW ELEVATION	= 643.8'
OVERTOPPING DISCHARGE	= +38,000 CFS
OVERTOPPING FREQUENCY	= +500 YR
OVERTOPPING ELEVATION	= 661.5'
DATE OF SURVEY	= 8/6/03
W.S. ELEVATION AT DATE OF SURVEY	= 630.1'

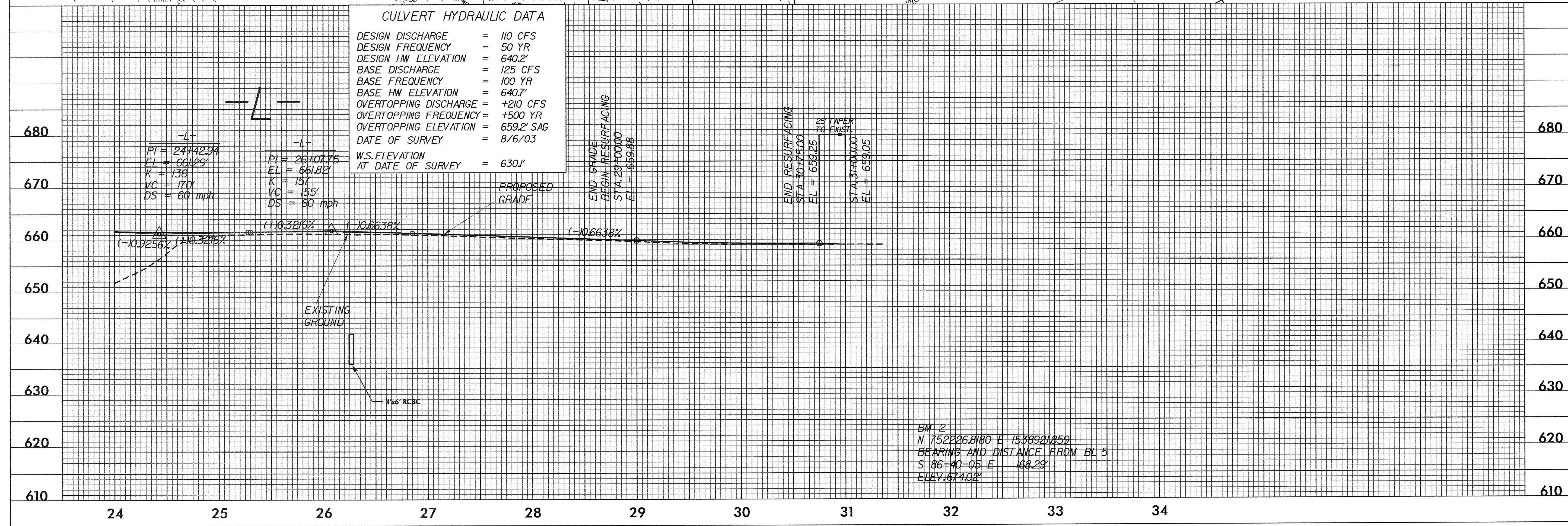




CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 5

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

SEE STRUCTURE PLANS C-1 THRU C-7 FOR CULVERT
NOTE: ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED

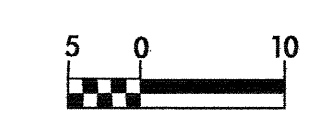


CULVERT CONSTRUCTION SEQUENCE STA. 26+26 -L-



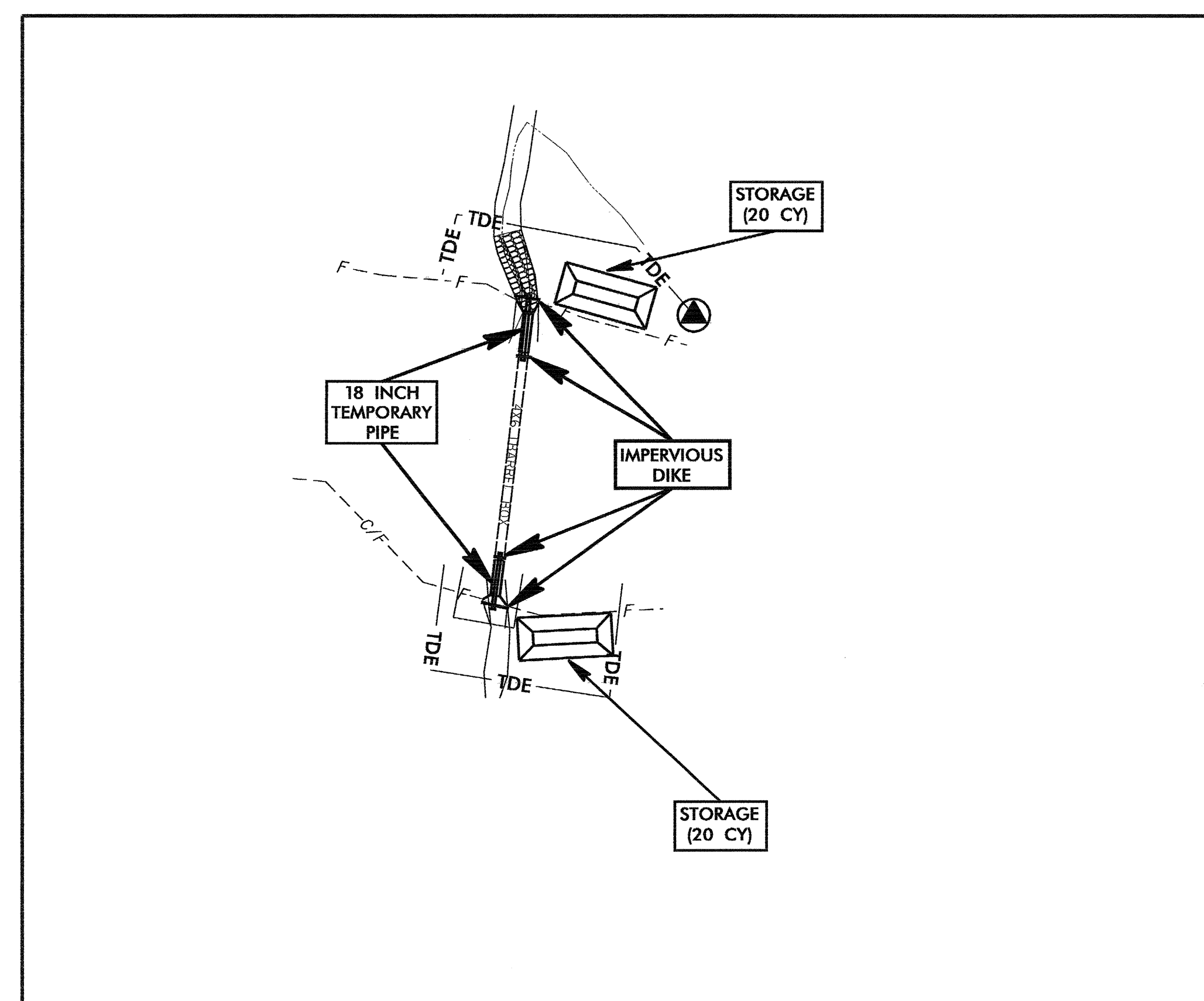
PROJECT REFERENCE NO. SHEET NO.
B-4256 EC-5/CONST.5

R/W SHEET NO.
ROADWAY DESIGN ENGINEER HYDRAULICS ENGINEER



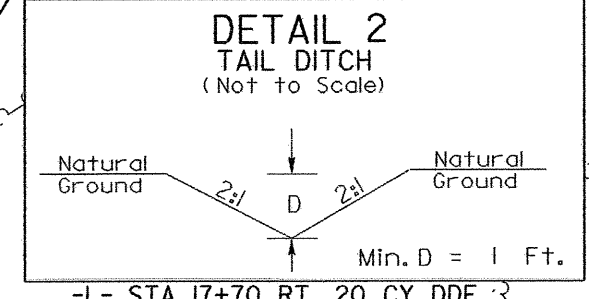
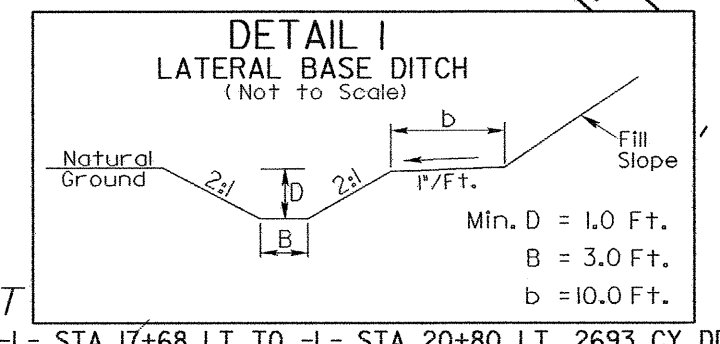
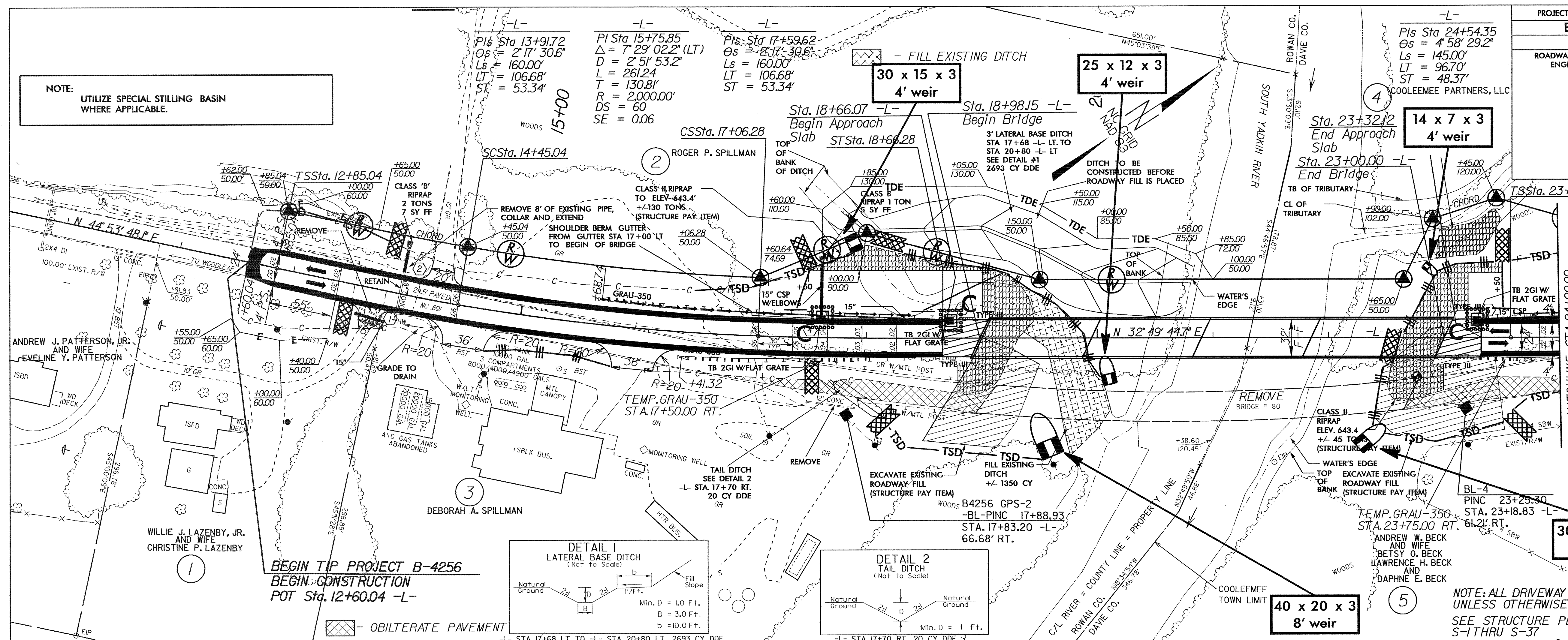
CONST.REV.

R/W REV.



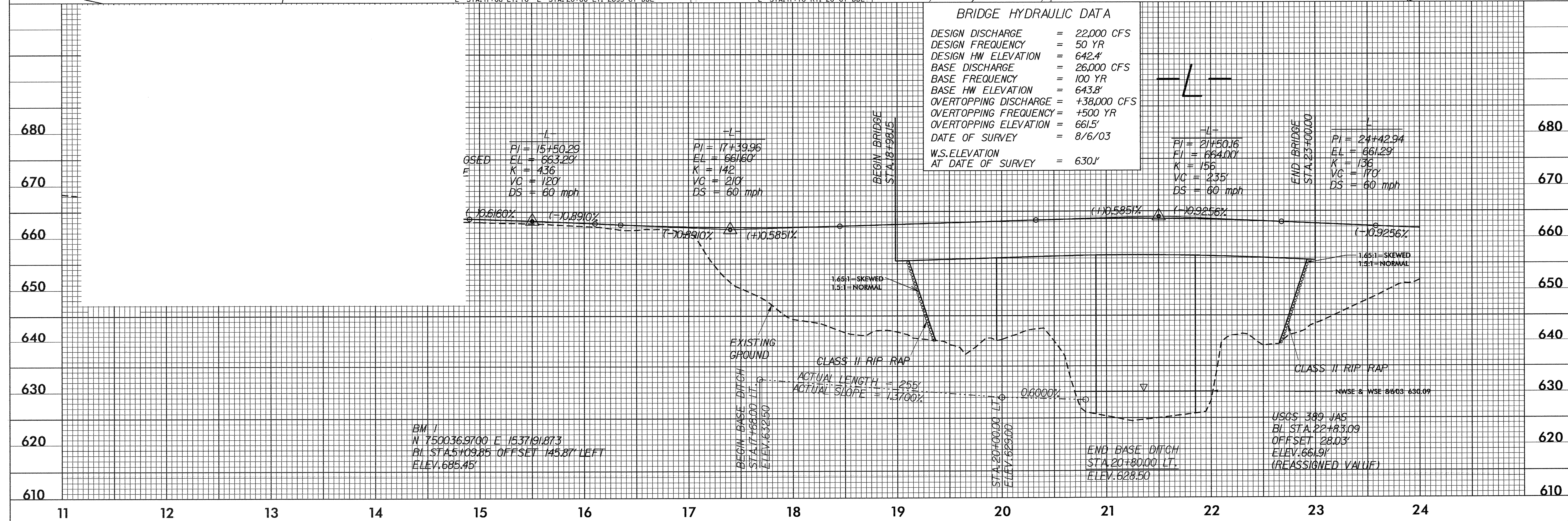
1. INSTALL TEMPORARY STILLING BASINS (20 CY EACH)
2. INSTALL IMPERVIOUS DIKES AND TWO TEMPORARY 18 INCH PIPES.
3. CONSTRUCT CULVERT EXTENSIONS.
4. COMPLETE DOWNSTREAM CHANNEL IMPROVEMENTS.
5. COMPLETE ROADWAY CONSTRUCTION.

NOTE:
UTILIZE SPECIAL STILLING BASIN
WHERE APPLICABLE.

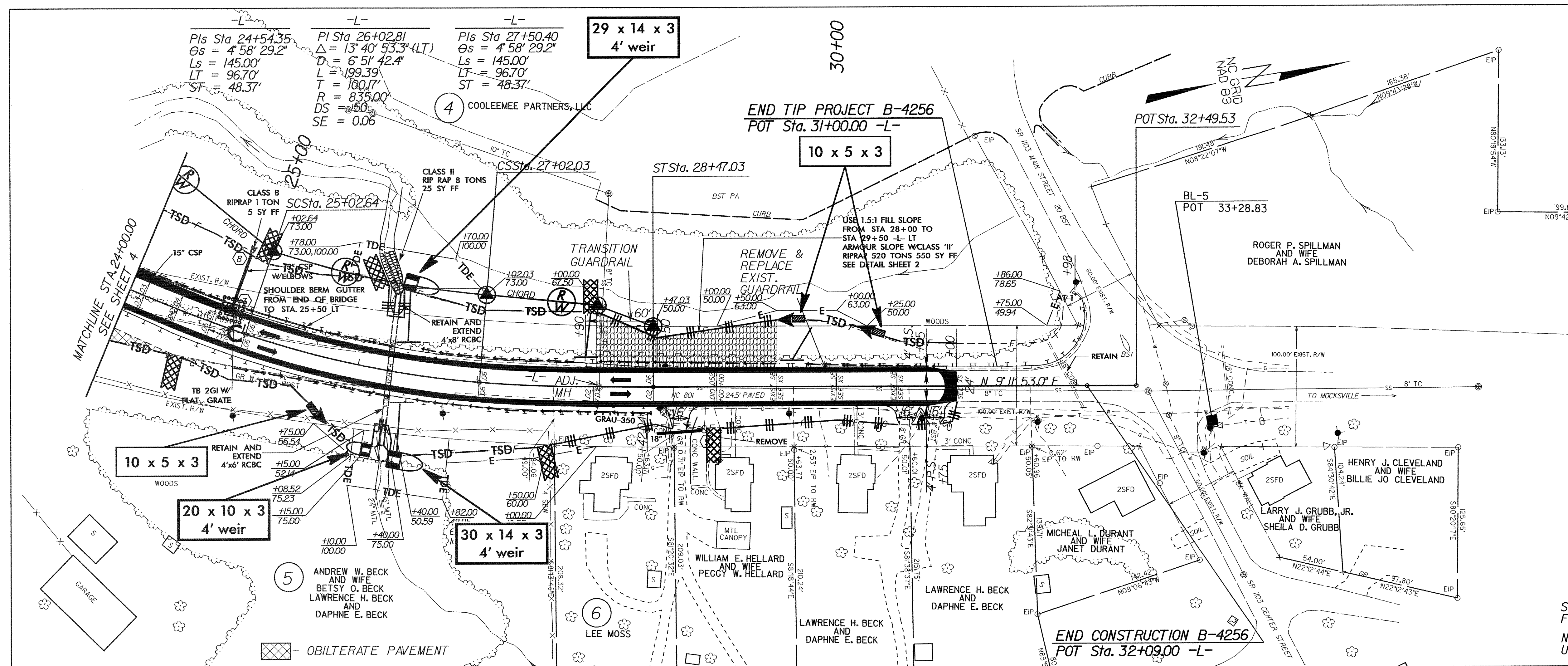


BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	= 22,000 CFS
DESIGN FREQUENCY	= 50 YR
DESIGN HW ELEVATION	= 642.4'
BASE DISCHARGE	= 26,000 CFS
BASE FREQUENCY	= 100 YR
BASE HW ELEVATION	= 643.8'
OVERTOPPING DISCHARGE	= +38,000 CFS
OVERTOPPING FREQUENCY	= +500 YR
OVERTOPPING ELEVATION	= 661.5'
DATE OF SURVEY	= 8/6/03
W.S. ELEVATION AT DATE OF SURVEY	= 630.1'



NOTE: ALL DRIVEWAY RADII ARE 10'
UNLESS OTHERWISE NOTED
SEE STRUCTURE PLANS
S-1 THRU S-37



SEE STRUCTURE PLANS C-1 THRU C-7 FOR CULVERT
 NOTE: ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED

