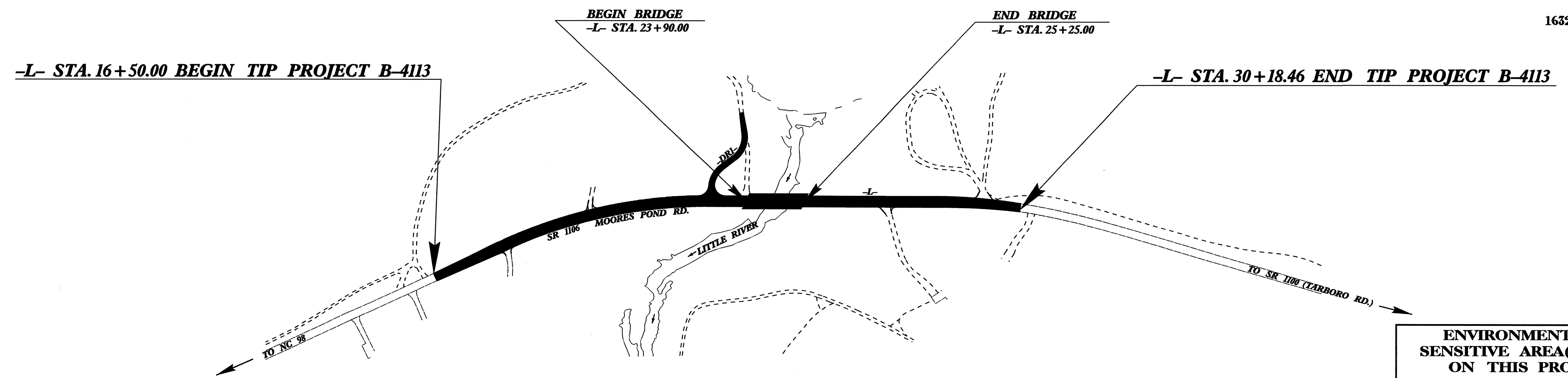
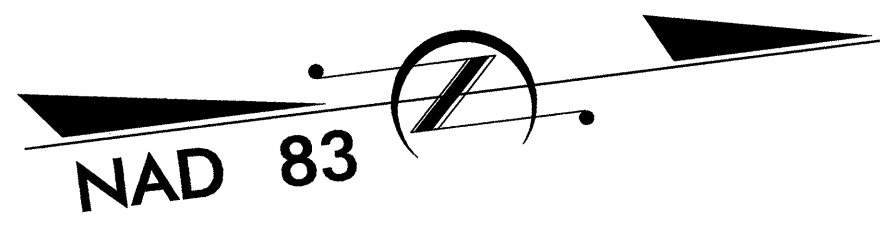


TIP PROJECT: B-4113

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

**LOCATION: BRIDGE NO.15 OVER LITTLE RIVER AND
 APPROACHES ON SR 1106 (MOORES POND RD.)
 TYPE OF WORK: GRADING, PAVING, DRAINAGE AND STRUCTURE**



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-4113	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

EROSION AND SEDIMENT CONTROL MEASURES

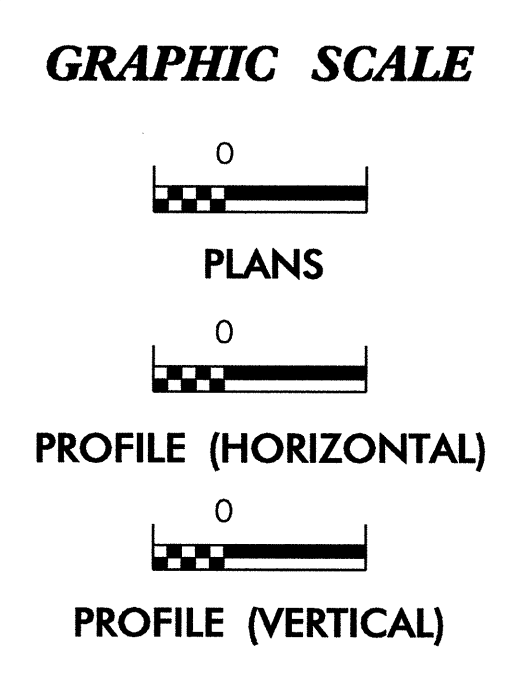
Std. #	Description	Symbol
	Streambank Reforestation.....	
1630.03	Temporary Silt Ditch.....	
1630.05	Temporary Diversion.....	
1605.01	Temporary Silt Fence.....	
1606.01	Special Sediment Control Fence.....	
1622.01	Temporary Berms and Slope Drains.....	
	Riser Basin.....	
1630.02	Silt Basin Type B.....	
1633.01	Temporary Rock Silt Check Type-A.....	
1633.02	Temporary Rock Silt Check Type-B.....	
1634.01	Temporary Rock Sediment Dam Type-A.....	
1634.02	Temporary Rock Sediment Dam Type-B.....	
1655.01	Rock Pipe Inlet Sediment Trap Type-A.....	
1635.02	Rock Pipe Inlet Sediment Trap Type-B.....	
1650.04	Stilling Basin.....	
Rock Inlet Sediment Trap:		
1632.01	Type A.....	
1632.02	Type B.....	
1632.03	Type C.....	

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.

**HIGH QUALITY WATER(S) EXIST
 ON THIS PROJECT**
 High Quality Water Zone(s) Exist
 From Start of Project
 to End of Project
 Refer To E. C. Special Provisions
 for Special Considerations.



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
2002 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 January 20, 2002 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

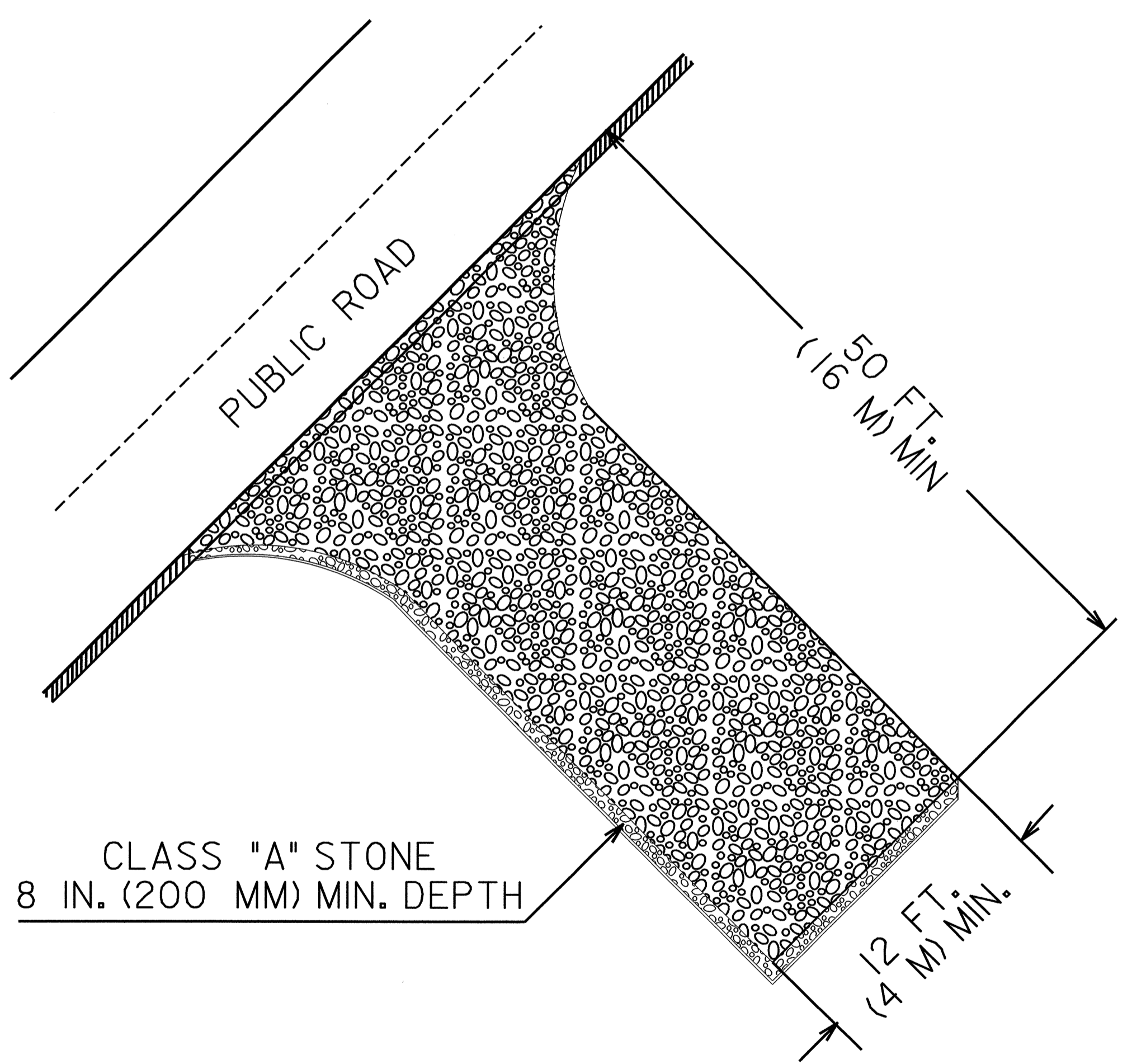
1605.01 Temporary Silt Fence	1632.03 Rock Inlet Sediment Trap Type C
1630.05 Temporary Diversion	1633.01 Temporary Rock Silt Check Type A
	1633.02 Temporary Rock Silt Check Type B
	1634.02 Temporary Rock Sediment Dam Type B

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
B-413	EC-2	
STATE PROJECT NO.	F. A. PROJ. NO.	DESCRIPTION

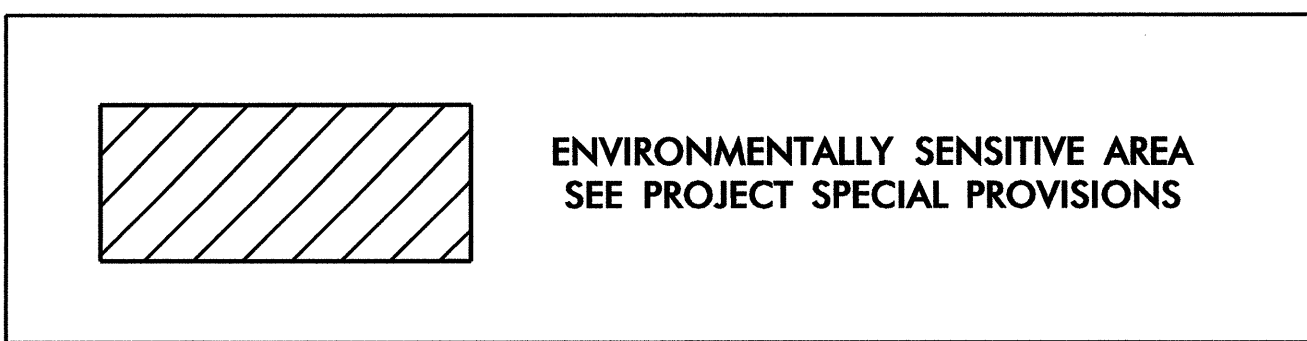
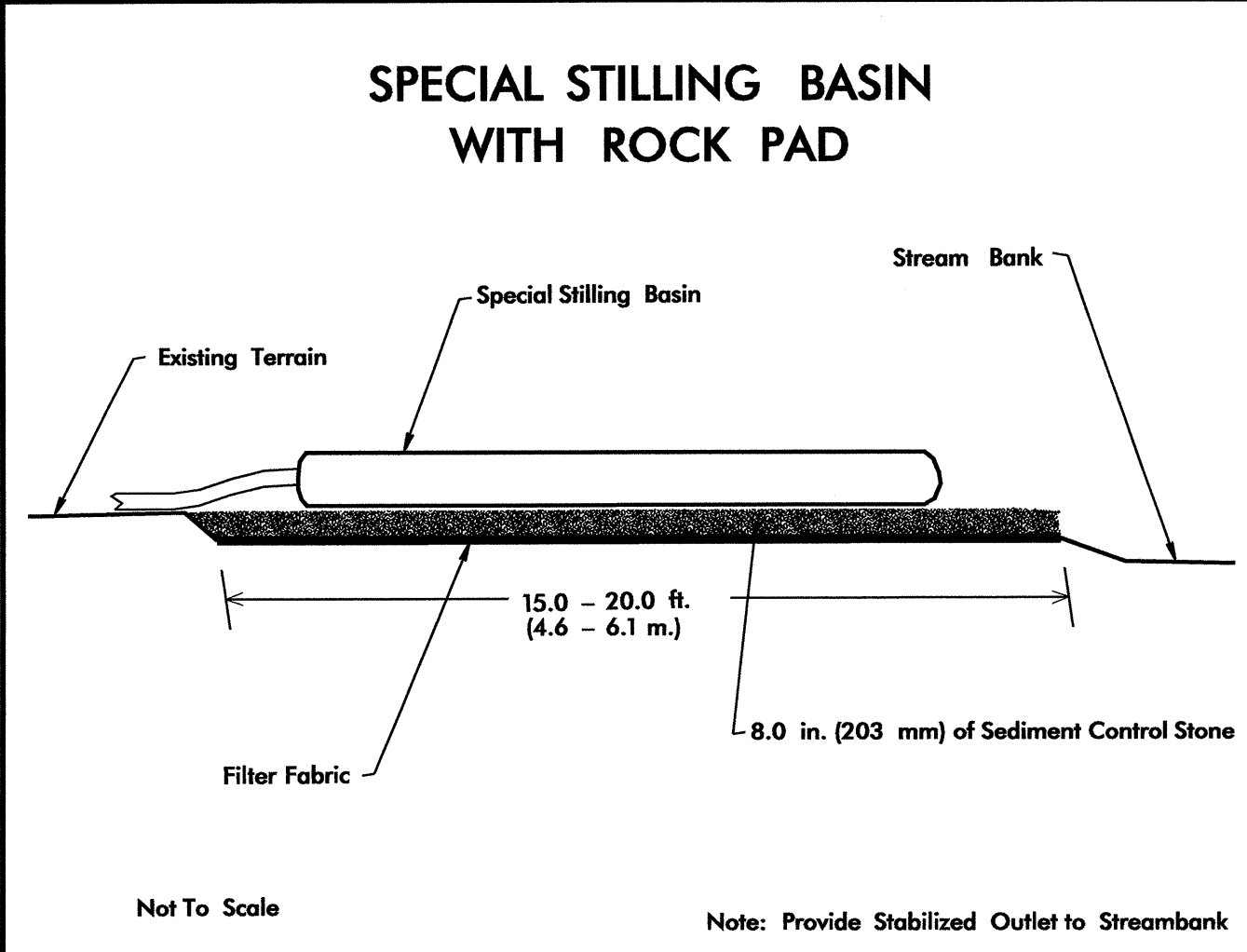
TEMPORARY GRAVEL CONSTRUCTION ENTRANCE

NOTES:

1. TURNING RADIUS SUFFICIENT TO ACCOMODATE LARGE TRUCKS SHALL BE PROVIDED.
2. ENTRANCE(S) SHOULD BE LOCATED TO PROVIDE FOR UTILIZATION BY ALL CONSTRUCTION VEHICLES.
3. MUST BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR DIRECT FLOW OF MUD ONTO STREETS. PERIODIC TOPDRESSING WITH STONE WILL BE NECESSARY.
4. ANY MATERIAL TRACKED ONTO THE ROADWAY MUST BE CLEANED UP IMMEDIATELY.
5. GRAVEL CONSTRUCTION ENTRANCE SHALL BE LOCATED AT ALL POINTS OF INGRESS AND EGRESS UNTIL SITE IS STABILIZED. FREQUENT CHECKS OF THE DEVICE AND TIMELY MAINTENANCE MUST BE PROVIDED.
6. NUMBER AND LOCATION OF CONSTRUCTION ENTRANCES TO BE DETERMINED BY THE ENGINEER



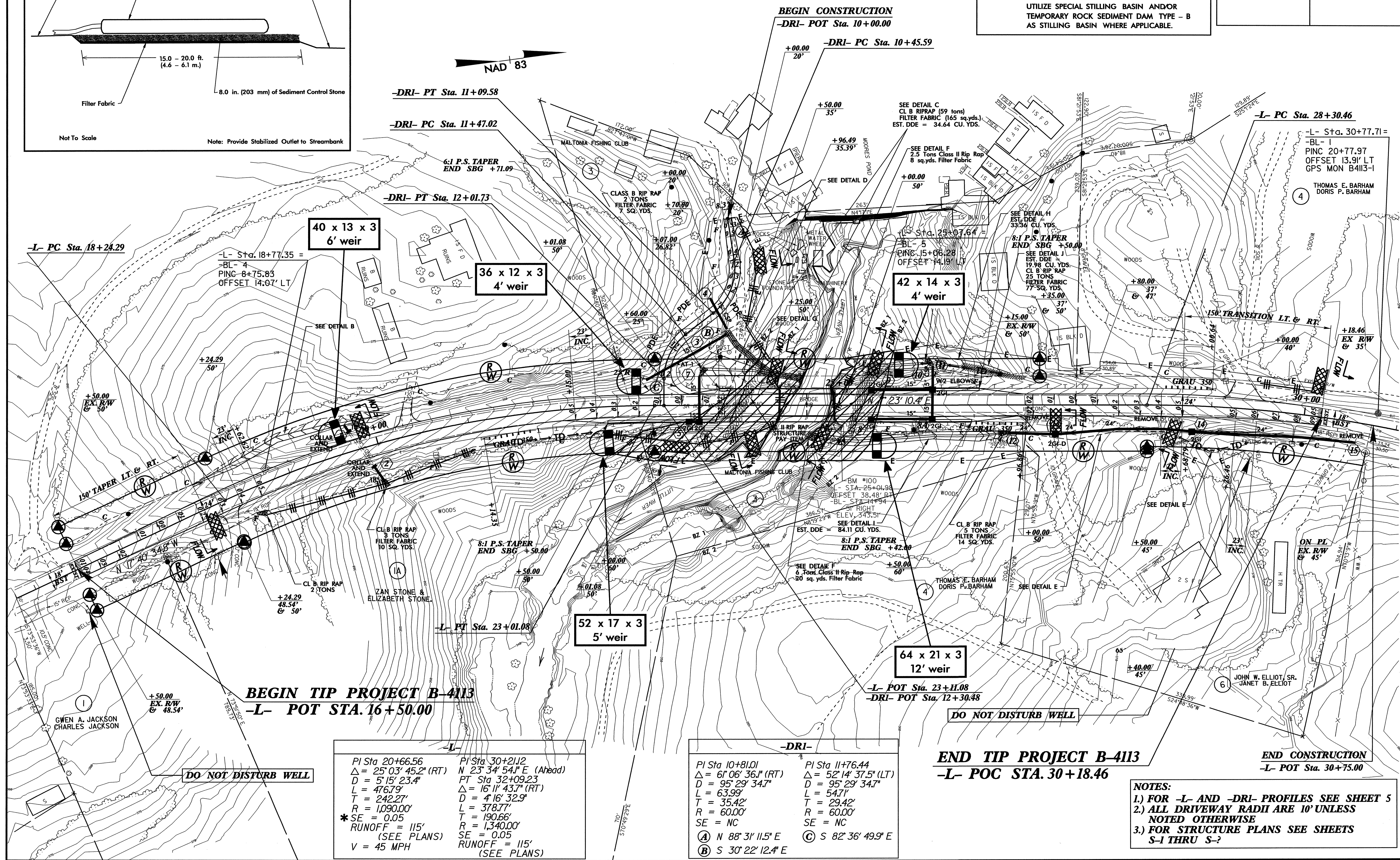
NOTE: FILTER FABRIC TO BE PLACED BENEATH STONE



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

NOTE:
UTILIZE SPECIAL STILLING BASIN AND/OR TEMPORARY ROCK SEDIMENT DAM TYPE - B AS STILLING BASIN WHERE APPLICABLE.

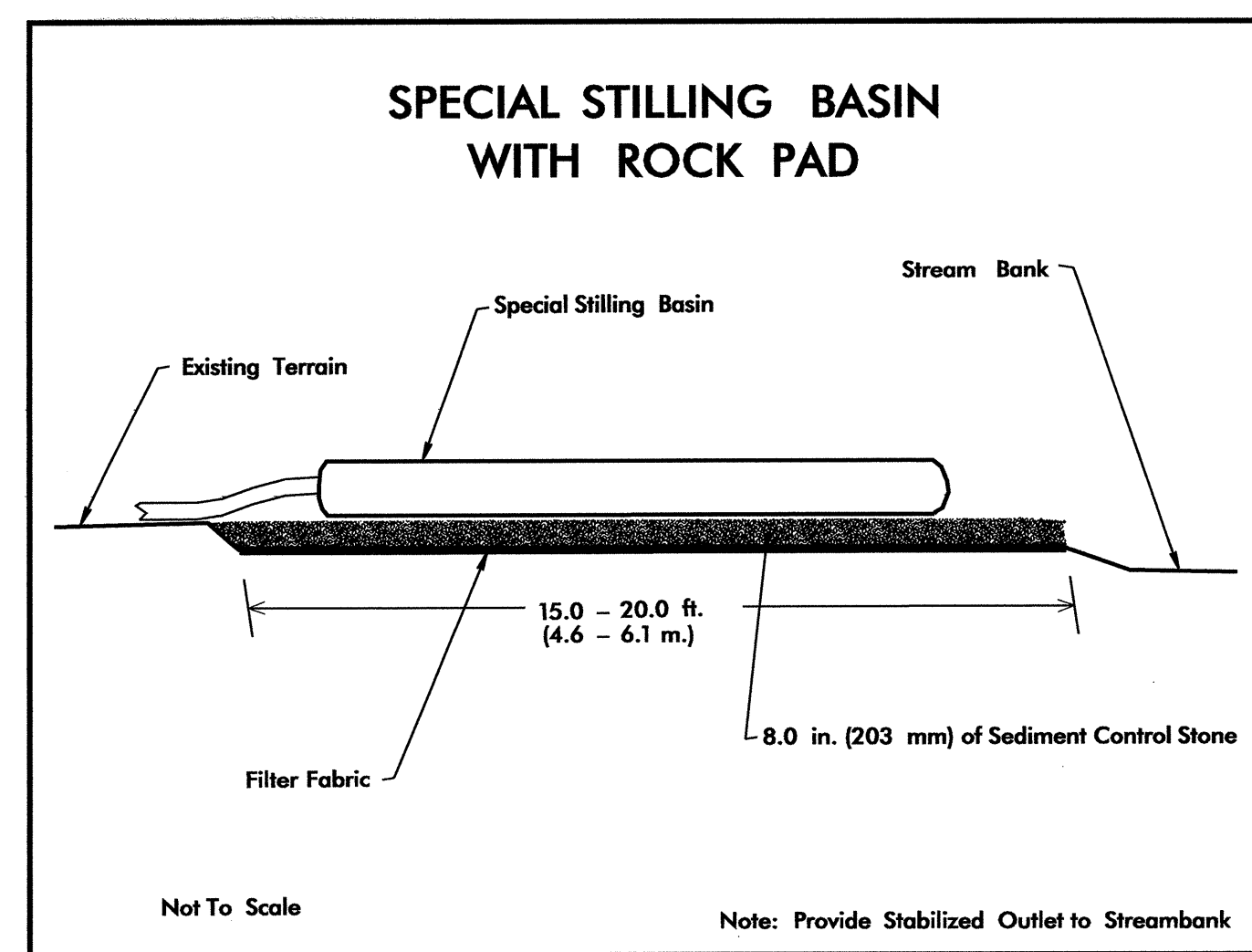


PI Sta 20+66.56 Δ = 25° 03' 45.2" (RT) D = 5' 15" 23.4" L = 476.79' T = 242.27' R = 1,090.00' * SE = 0.05 RUNOFF = 115' (SEE PLANS) V = 45 MPH	PI Sta 30+21.12 N 23° 34' 54.1" E (Ahead) PT Sta 32+09.23 Δ = 16° 11' 43.7" (RT) D = 4' 16" 32.9" L = 378.77' T = 190.66' R = 1,340.00' SE = 0.05 RUNOFF = 115' (SEE PLANS)
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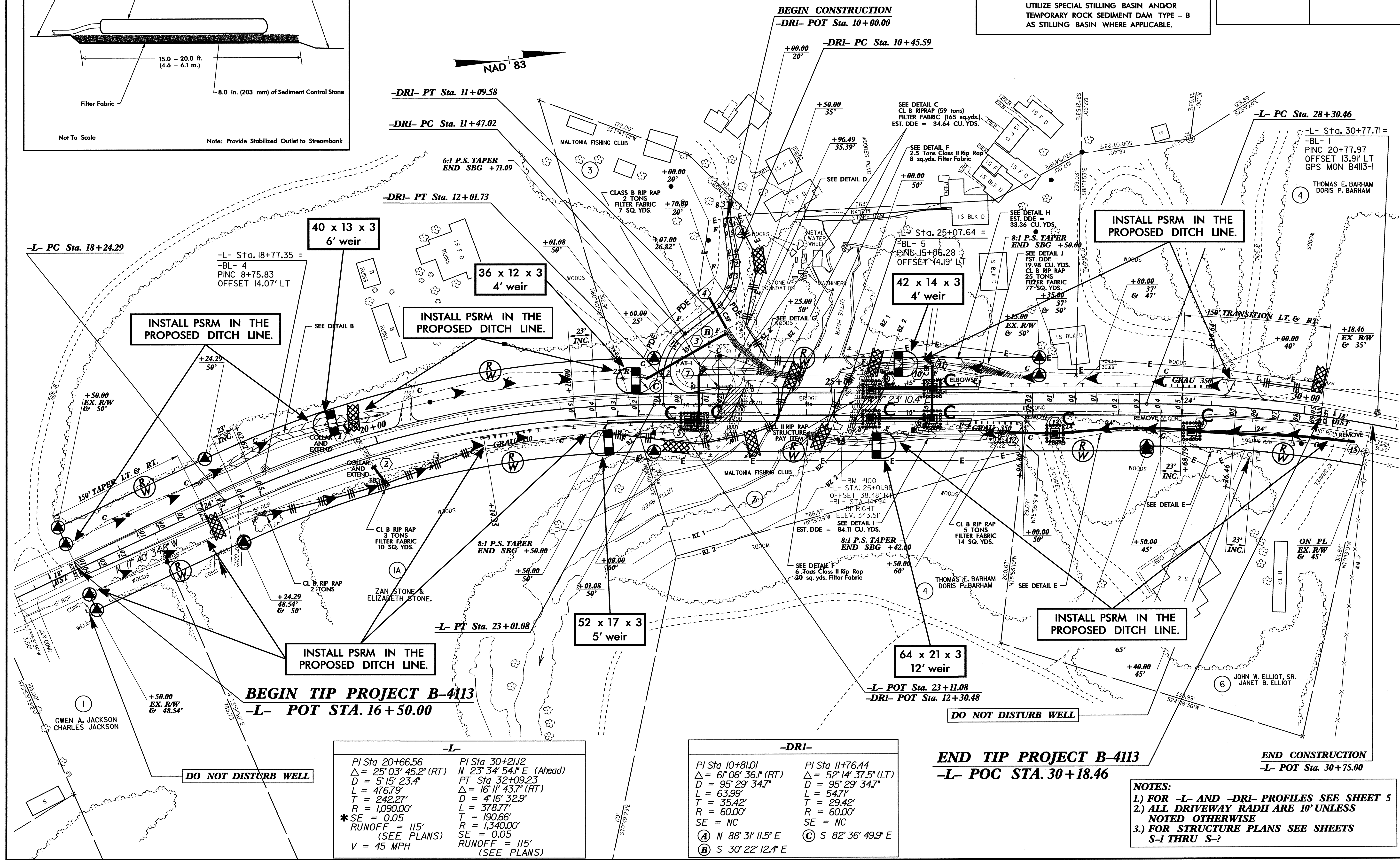
-DRI-	
PI Sta 10+81.01 Δ = 61° 06' 36.1" (RT) D = 95° 29' 34.7" L = 63.99' T = 35.42' R = 60.00' SE = NC A N 88° 31' 11.5" E B S 30° 22' 12.4" E	PI Sta 11+76.44 Δ = 52° 14' 37.5" (LT) D = 95° 29' 34.7" L = 54.71' T = 29.42' R = 60.00' SE = NC C S 82° 36' 49.9" E

END TIP PROJECT B-413
-L- POC STA. 30+18.46

- NOTES:**
- FOR -L- AND -DRI- PROFILES SEE SHEET 5
 - ALL DRIVEWAY RADII ARE 10' UNLESS NOTED OTHERWISE
 - FOR STRUCTURE PLANS SEE SHEETS S-1 THRU S-2



NOTE:
UTILIZE SPECIAL STILLING BASIN AND/OR TEMPORARY ROCK SEDIMENT DAM TYPE - B AS STILLING BASIN WHERE APPLICABLE.



END TIP PROJECT B-4113
-L- POC STA. 30+18.46

-L-	
PI Sta 20+66.56	PI Sta 30+21.12
Δ = 25° 03' 45.2" (RT)	N 23° 34' 54.1" E (Ahead)
D = 5' 15" 23.4"	PT Sta 32+09.23
L = 476.79'	Δ = 16° 11' 43.7" (RT)
T = 242.27'	D = 4' 16" 32.9"
R = 1,090.00'	L = 378.77'
*SE = 0.05	T = 190.66'
RUNOFF = 115'	R = 1,340.00'
(SEE PLANS)	SE = 0.05
V = 45 MPH	RUNOFF = 115'
	(SEE PLANS)

-DRI-	
PI Sta 10+81.01	PI Sta 11+76.44
Δ = 61° 06' 36.1" (RT)	Δ = 52° 14' 37.5" (LT)
D = 95' 29' 34.7"	D = 95' 29' 34.7"
L = 63.99'	L = 54.71'
T = 35.42'	T = 29.42'
R = 60.00'	R = 60.00'
SE = NC	SE = NC
(A) N 88° 31' 11.5" E	(C) S 82° 36' 49.9" E
(B) S 30° 22' 12.4" E	

NOTES:
1.) FOR -L- AND -DRI- PROFILES SEE SHEET 5
2.) ALL DRIVEWAY RADII ARE 10' UNLESS NOTED OTHERWISE
3.) FOR STRUCTURE PLANS SEE SHEETS S-1 THRU S-?