

TIP PROJECT: B-4504

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL

EDGECOMBE COUNTY

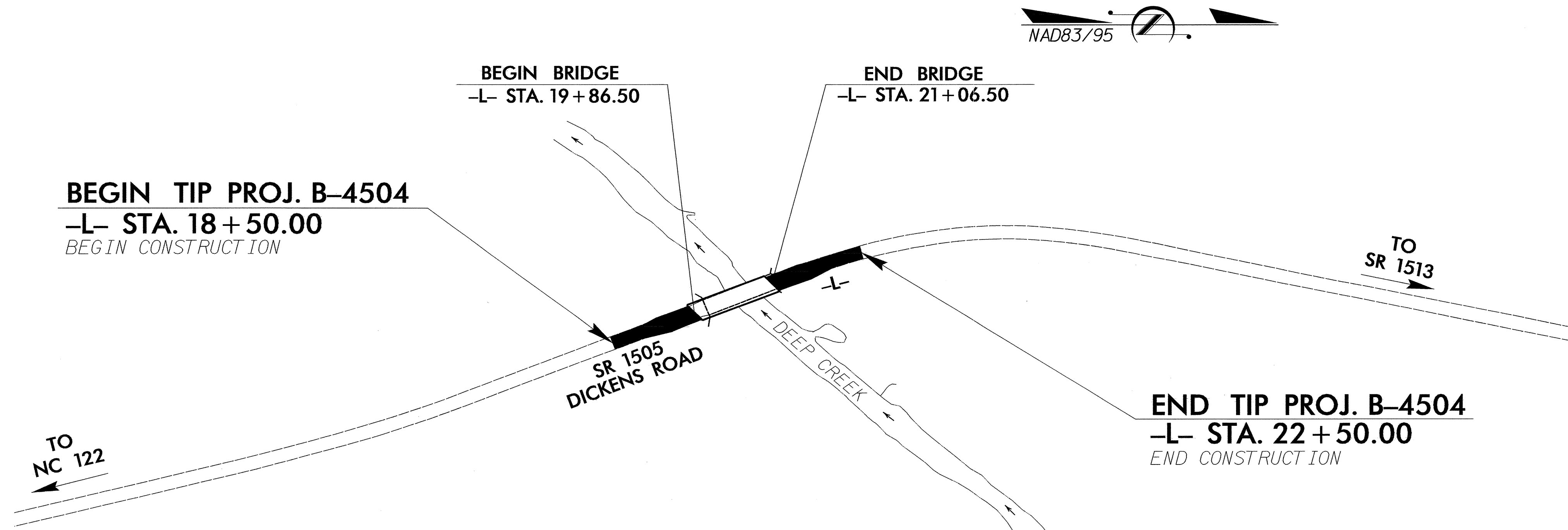
**LOCATION: BRIDGE NO. 52 OVER DEEP CREEK AND
APPROACHES ON SR 1505 (DICKENS ROAD)**

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

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-4504	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	III III III
1606.01	Special Sediment Control Fence	III III III
1622.01	Temporary Berms and Slope Drains	TD
1630.01	Riser Basin	TD
	Silt Basin Type B	TD
1635.01	Temporary Rock Silt Check Type-A	TD
	Temporary Rock Silt Check Type-B	TD
	Wattle	TD
1634.01	Temporary Rock Sediment Dam Type-A	TD
1634.02	Temporary Rock Sediment Dam Type-B	TD
1635.01	Rock Pipe Inlet Sediment Trap Type-A	TD
1635.02	Rock Pipe Inlet Sediment Trap Type-B	TD
1630.04	Stilling Basin	TD
1630.06	Special Stilling Basin	TD
	Rock Inlet Sediment Trap:	
1632.01	Type A	A
1632.02	Type B	B
1632.03	Type C	C
	Skimmer Basin	TD
	Tiered Skimmer Basin	TD
	Infiltration Basin	TD



**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

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.

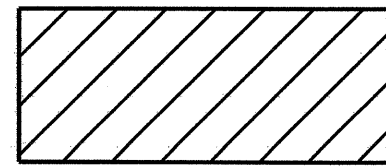
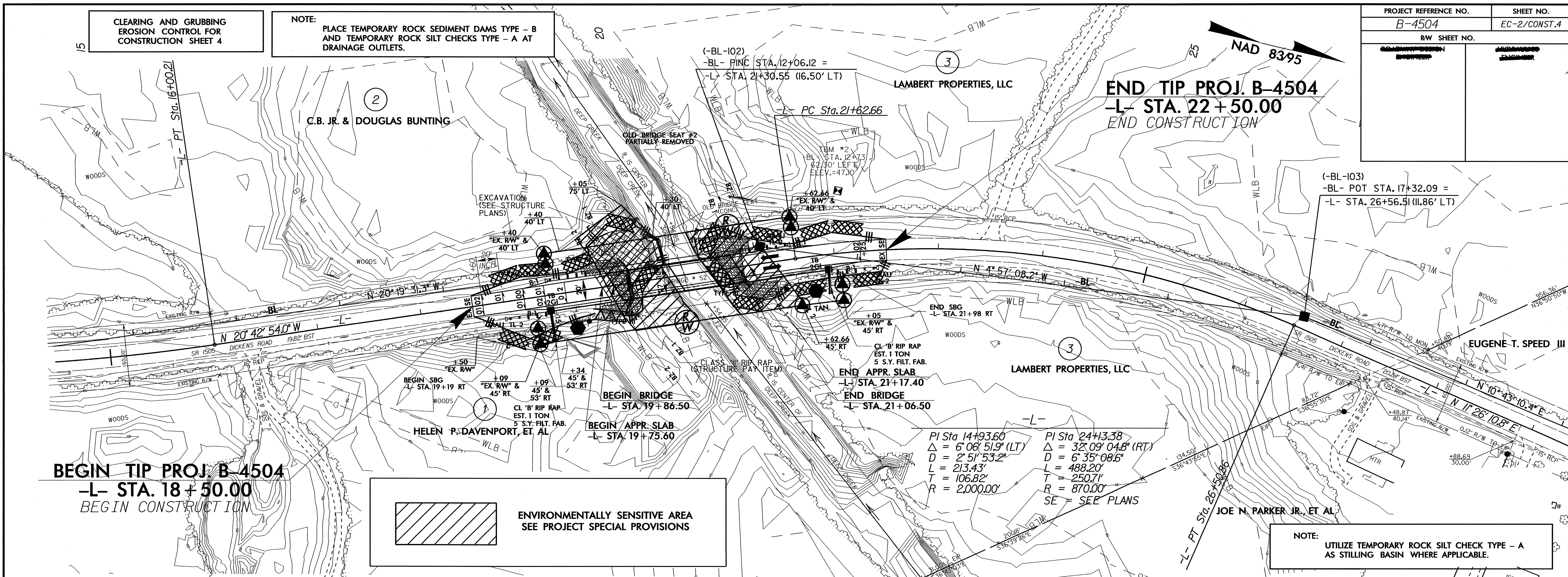
1605.01 Temporary Silt Fence	1632.03 Rock Inlet Sediment Trap Type C
1606.01 Special Sediment Control Fence	1633.01 Temporary Rock Silt Check Type A
1607.01 Gravel Construction Entrance	
1622.01 Temporary Berms and Slope Drains	

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 REVISION AT RENV231B12

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4

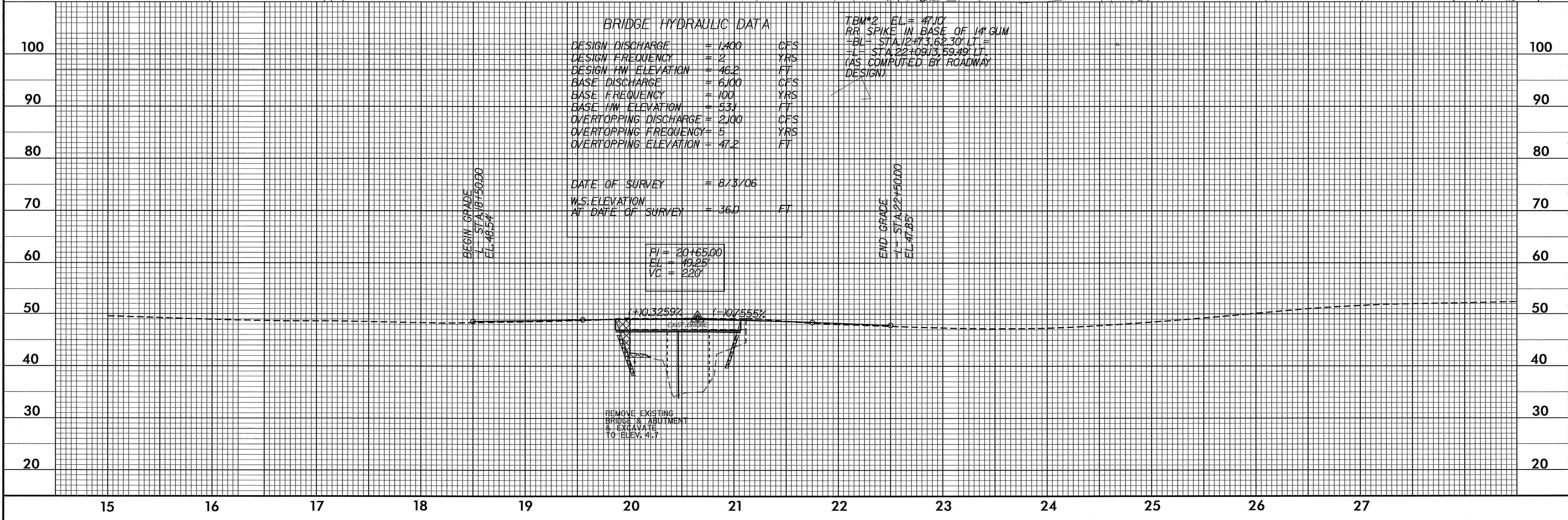
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

PROJECT REFERENCE NO. B-4504	SHEET NO. EC-2/CONST.4
RW SHEET NO.	
DESIGNED BY	CHECKED BY
DRAWN BY	ENGINEER



ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

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



BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	= 1,400	CFS
DESIGN FREQUENCY	= 2	YRS
DESIGN HW ELEVATION	= 46.2	FT
BASE DISCHARGE	= 6,100	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 53.1	FT
OVERTOPPING DISCHARGE	= 2,100	CFS
OVERTOPPING FREQUENCY	= 5	YRS
OVERTOPPING ELEVATION	= 47.2	FT

DATE OF SURVEY = 8/3/06
W.S. ELEVATION AT DATE OF SURVEY = 36.0 FT

TBM#2 EL = 47.00
RR SPIKE IN BASE OF 1 1/2\"/>

PI = 20+65.00
EL = 49.25
VG = 220

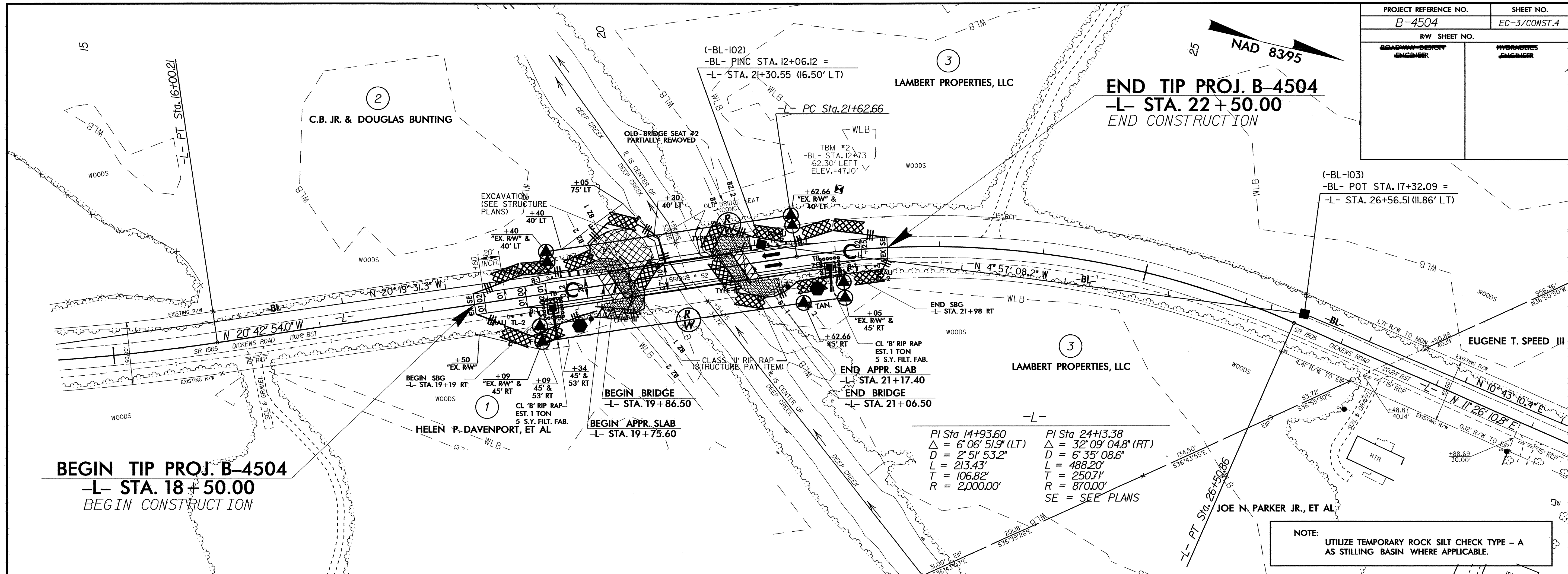
REMOVE EXISTING
BRIDGE & ABUTMENT
& EXCAVATE
TO ELEV. 41.7

END TIP PROJ. B-4504
-L- STA. 22+50.00
END CONSTRUCTION

(-BL-103)
-BL- POT STA. 17+32.09 =
-L- STA. 26+56.51 (11.86' LT)

BEGIN TIP PROJ. B-4504
-L- STA. 18+50.00
BEGIN CONSTRUCTION

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



BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	= 1,400	CFS
DESIGN FREQUENCY	= 2	YRS
DESIGN HW ELEVATION	= 46.2	FT
BASE DISCHARGE	= 6,100	CFS
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BASE HW ELEVATION	= 53.1	FT
OVERTOPPING DISCHARGE	= 2,100	CFS
OVERTOPPING FREQUENCY	= 5	YRS
OVERTOPPING ELEVATION	= 47.2	FT

DATE OF SURVEY = 8/3/06
W.S. ELEVATION AT DATE OF SURVEY = 36.0 FT

PI = 20+65.00
EL = 49.25'
VC = 220'

(+10.325%) Δ (-10.555%)

REMOVE EXISTING
BRIDGE & ABUTMENT
& EXCAVATE
TO ELEV. 4.7

TBM #2 EL = 47.10'
RR SPIKE IN BASE OF 14" GUM
-BL- STA. 12+73.62 30' LT =
-L- STA. 22+09.13 59.49' LT =
(AS COMPUTED BY ROADWAY
DESIGN)

END GRADE
-L- STA. 22+50.00
EL 47.85'

