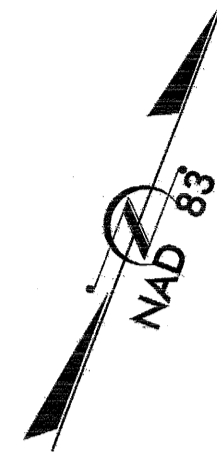


TIP PROJECT: B-4642

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

LOCATION: BRIDGE NO. 28 OVER JORDAN CREEK ON SR 1433
 TYPE OF WORK: GRADING, DRAINAGE, PAVING, AND STRUCTURE

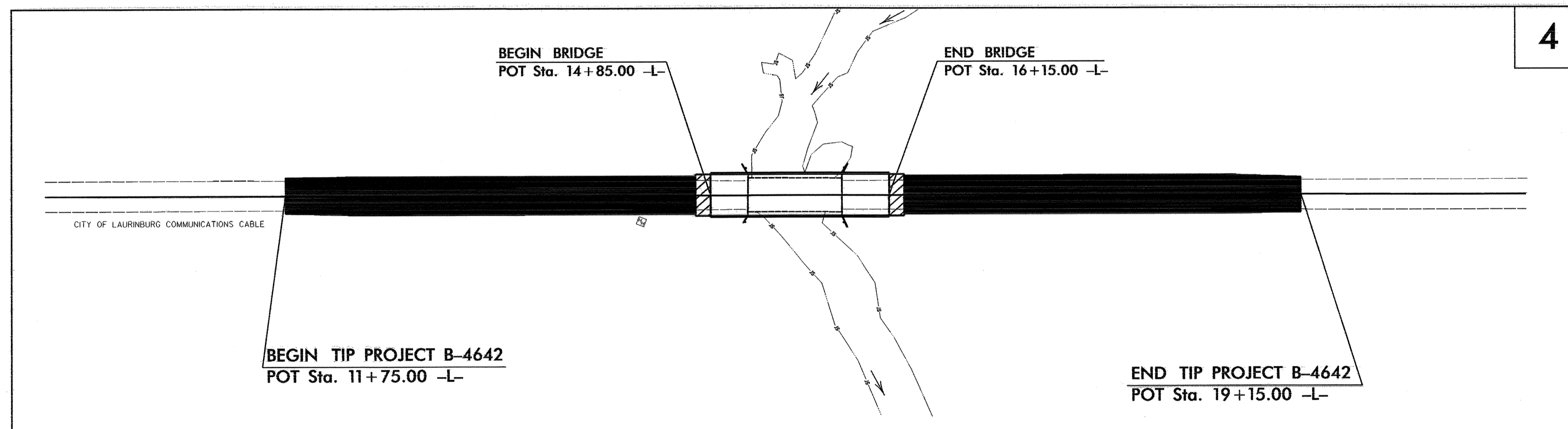


STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-4642	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

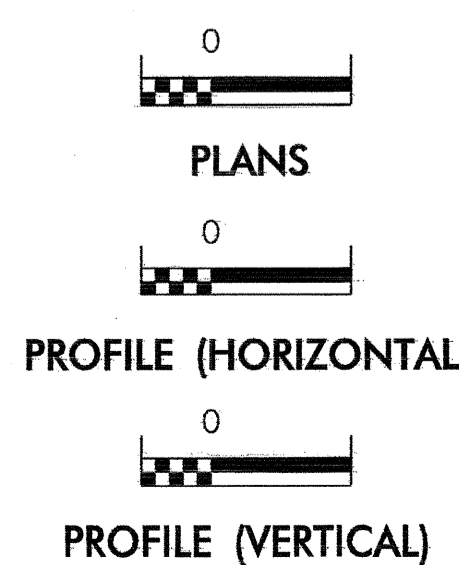
EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.05	Temporary Silt Ditch	--- TSD ---
1630.05	Temporary Diversion	--- TD ---
1605.01	Temporary Silt Fence	
1606.01	Special Sediment Control Fence	--- S ---
1622.01	Temporary Berms and Slope Drains	--- B ---
	Silt Basin Type B	--- SB ---
1633.01	Temporary Rock Silt Check Type-A	--- RSCA ---
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	--- RSCA-PAM ---
	Temporary Rock Silt Check Type-B	--- RSCB ---
	Wattle	--- W ---
1634.01	Temporary Rock Sediment Dam Type-A	--- RSDA ---
1634.02	Temporary Rock Sediment Dam Type-B	--- RSDB ---
1635.01	Rock Pipe Inlet Sediment Trap Type-A	--- RPISA ---
1635.02	Rock Pipe Inlet Sediment Trap Type-B	--- RPISB ---
1630.04	Stilling Basin	--- SB ---
1630.06	Special Stilling Basin	--- SSB ---
	Rock Inlet Sediment Trap:	
1632.01	Type A	A
1632.02	Type B	B
1632.03	Type C	C
	Skimmer Basin	--- SKB ---
	Tiered Skimmer Basin	--- TSKB ---
	Infiltration Basin	--- IB ---

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

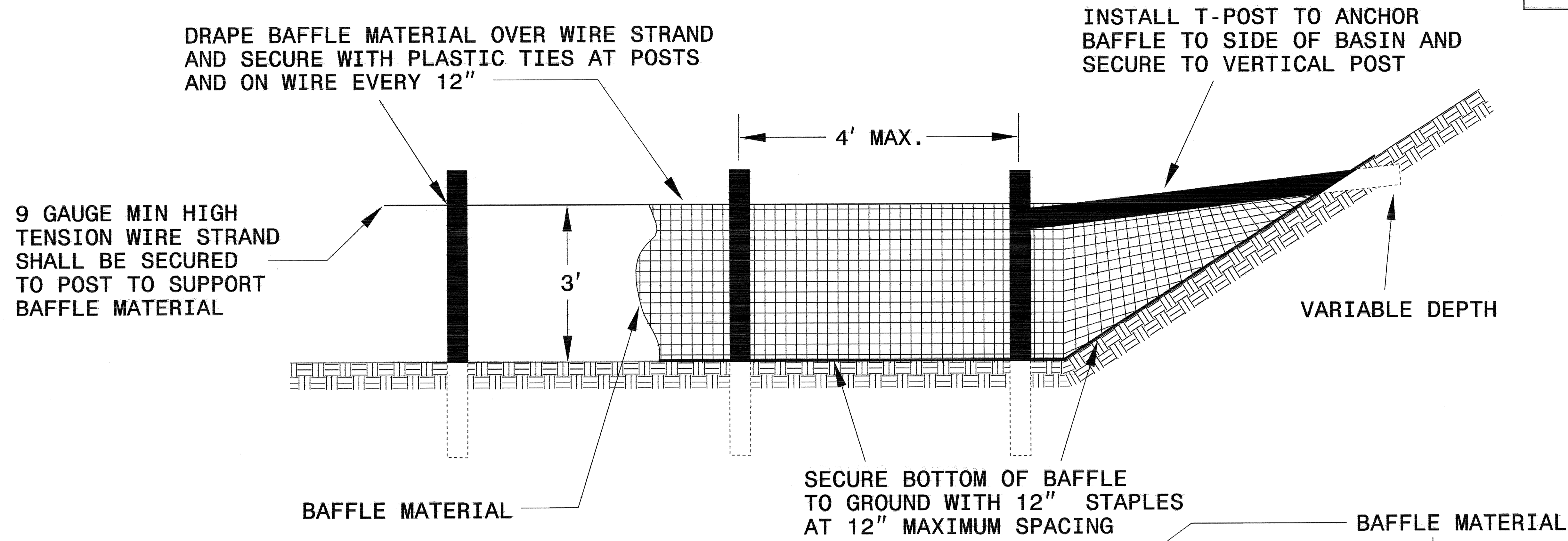
Prepared in the Office of:
ROADSIDE ENVIRONMENTAL UNIT
 1 South Wilmington St.
 Raleigh, NC 27611
2006 STANDARD SPECIFICATIONS

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 | |
| 1607.01 Gravel Construction Entrance | |
| 1622.01 Temporary Berms and Slope Drains | |

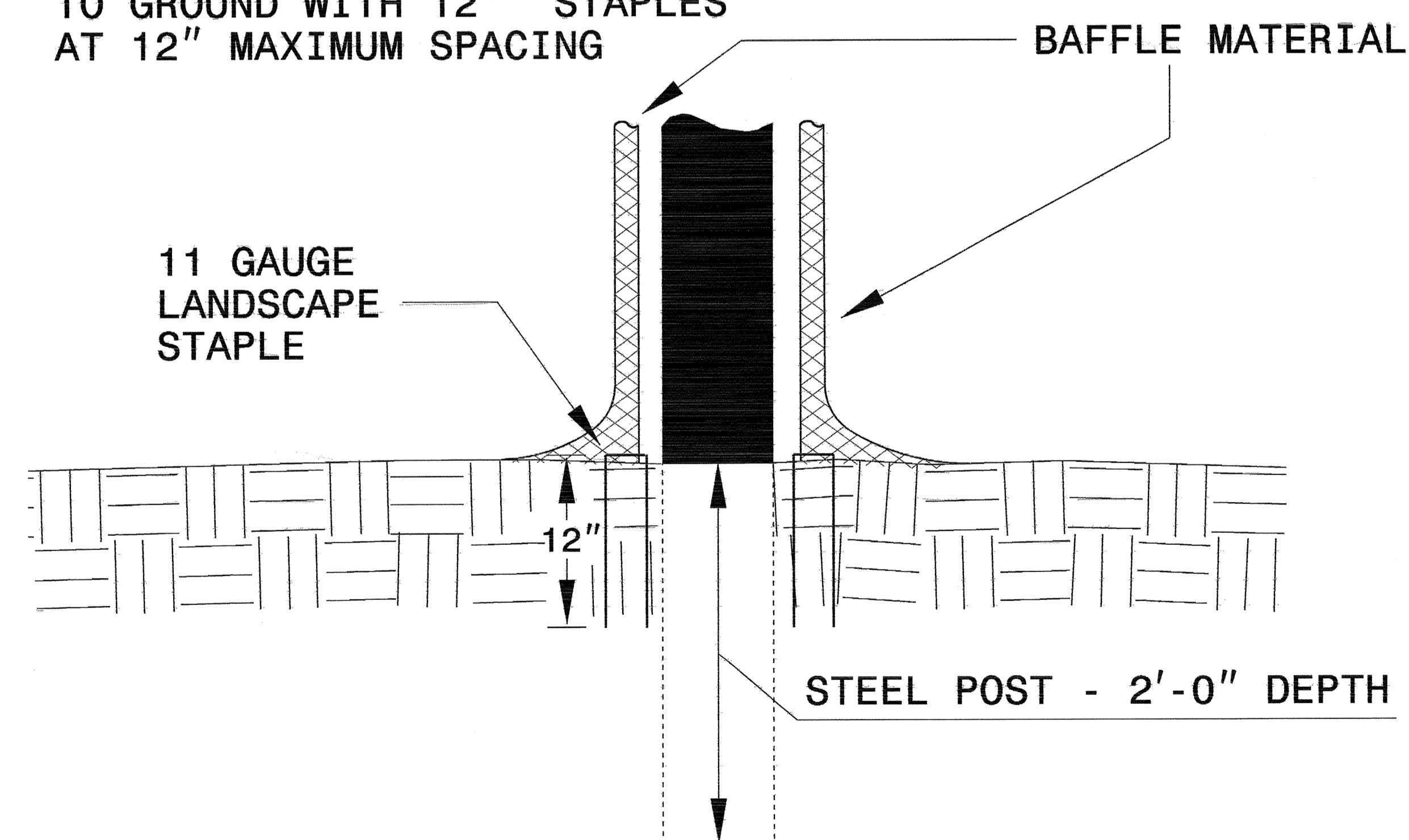
PROJECT REFERENCE NO. B-4642	SHEET NO. EC-2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

COIR FIBER BAFFLE DETAIL



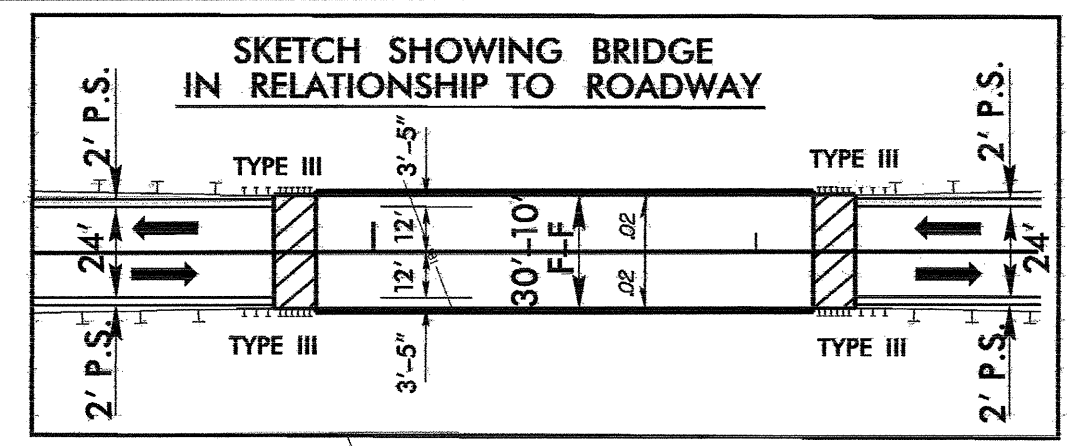
NOTES:

1. 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.
2. 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.
3. TOP HEIGHT OF COIR FIBER BAFFLES SHALL NOT BE BELOW BASE OF EMERGENCY SPILLWAY ELEVATION.



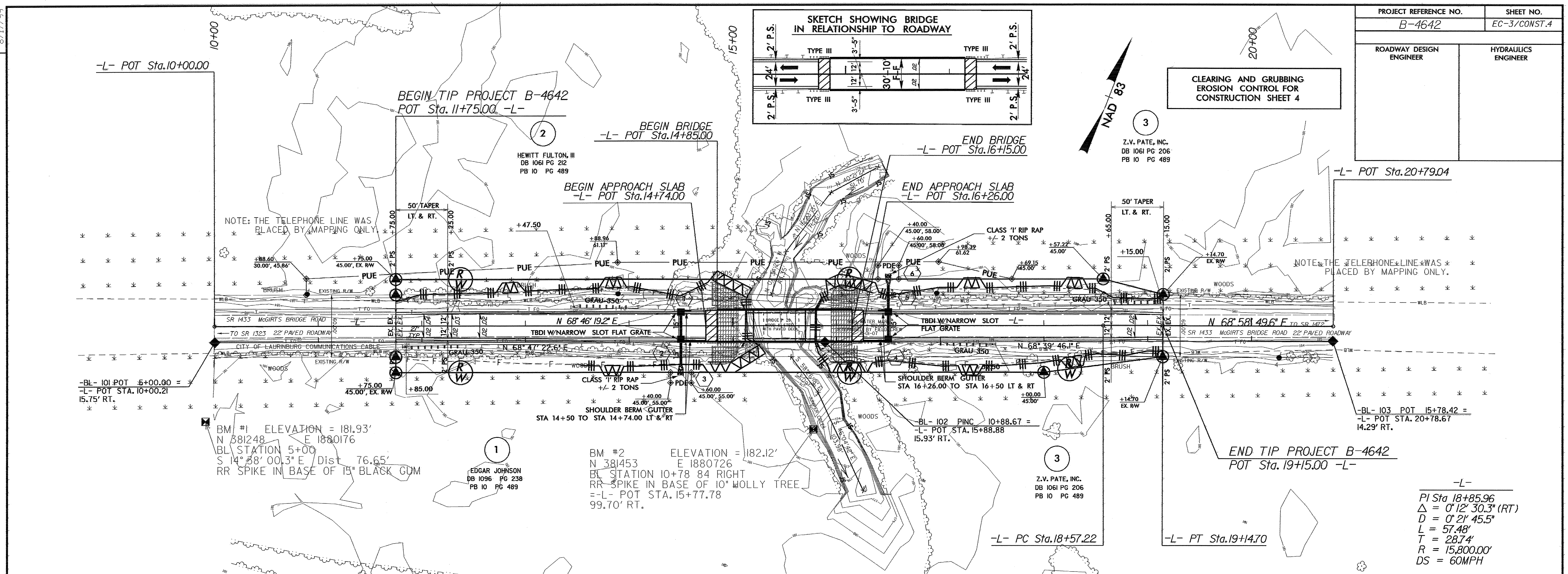
BAFFLE MATERIAL SHALL BE SECURED TO THE BOTTOM AND SIDES OF BASIN USING 12" LANDSCAPE STAPLES

PROJECT REFERENCE NO. B-4642	SHEET NO. EC-3/CONST.4
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

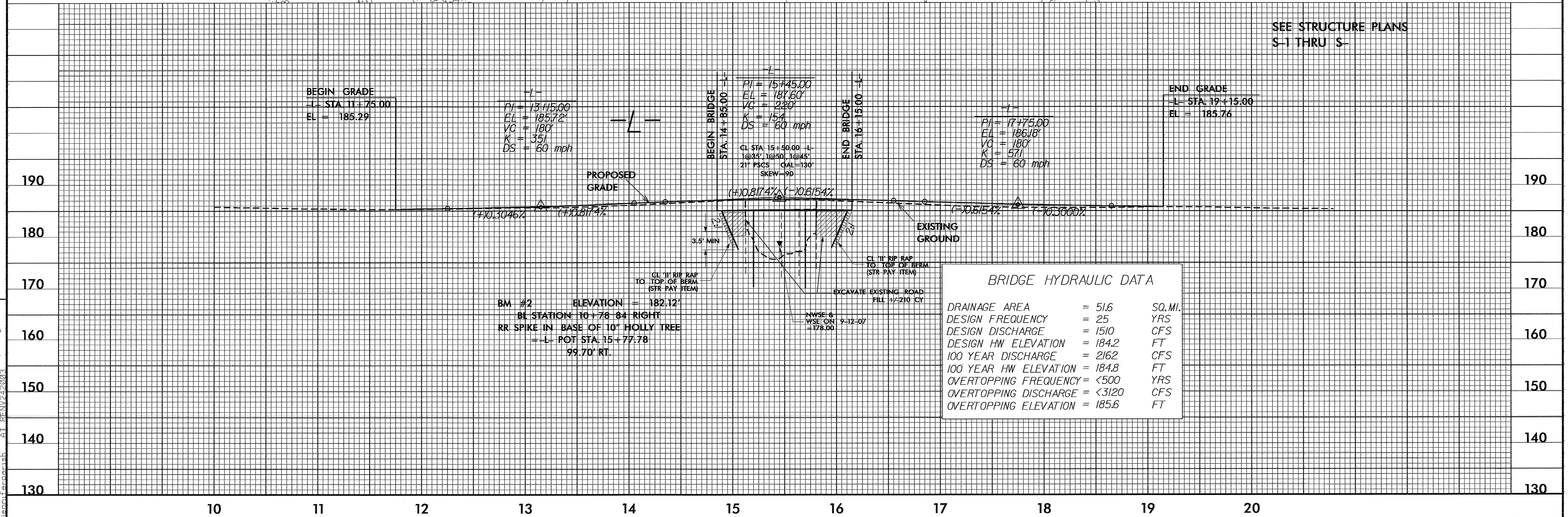


CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4

3
Z.V. PATE, INC.
DB 1061 PG 206
PB 10 PG 489



-L-
PI Sta 18+85.96
Δ = 0° 12' 30.3" (RT)
D = 0° 21' 45.5"
L = 57.48'
T = 28.74'
R = 15,800.00'
DS = 60MPH



SEE STRUCTURE PLANS
S-1 THRU S-

REVISIONS
03/16/09 Added Permanent Utility Easement

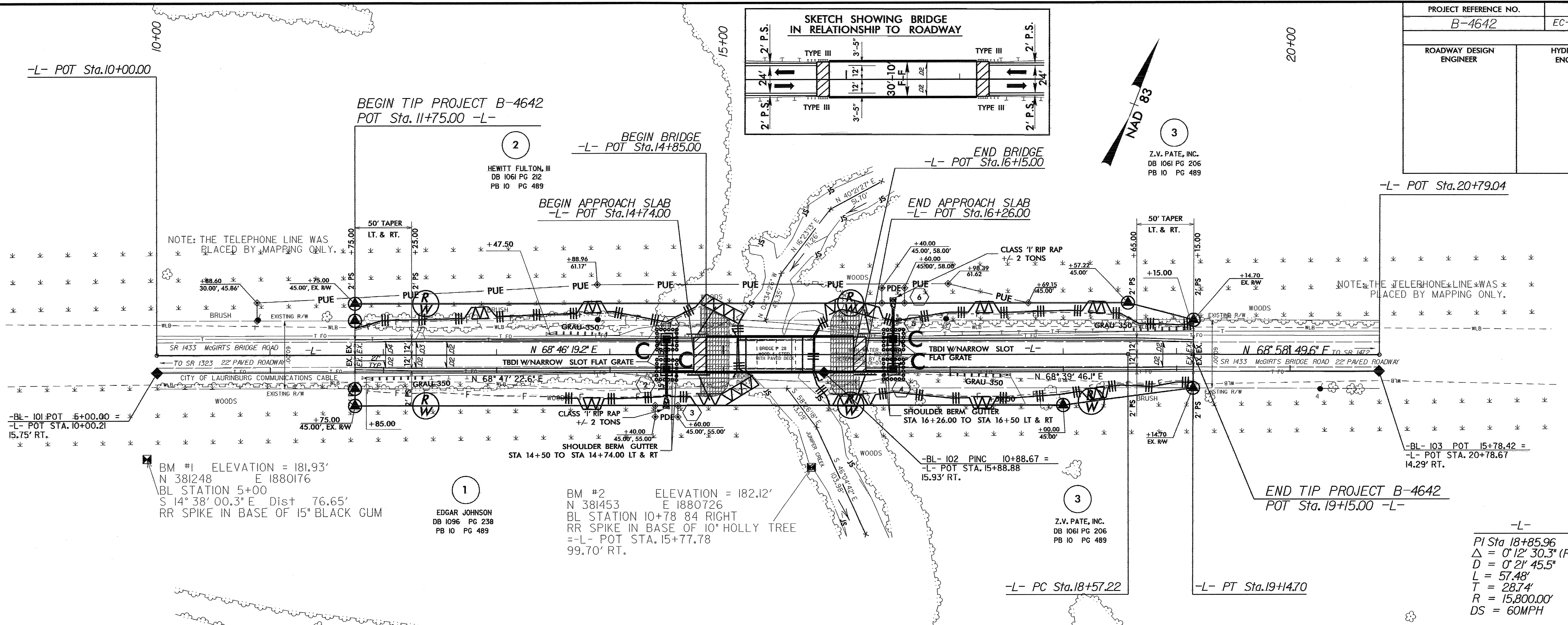
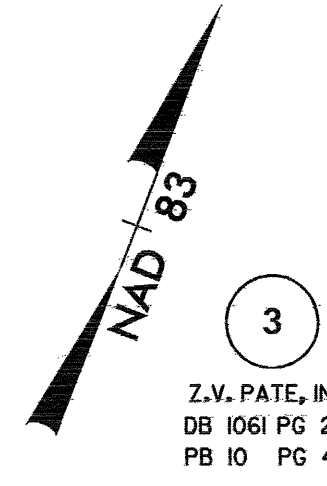
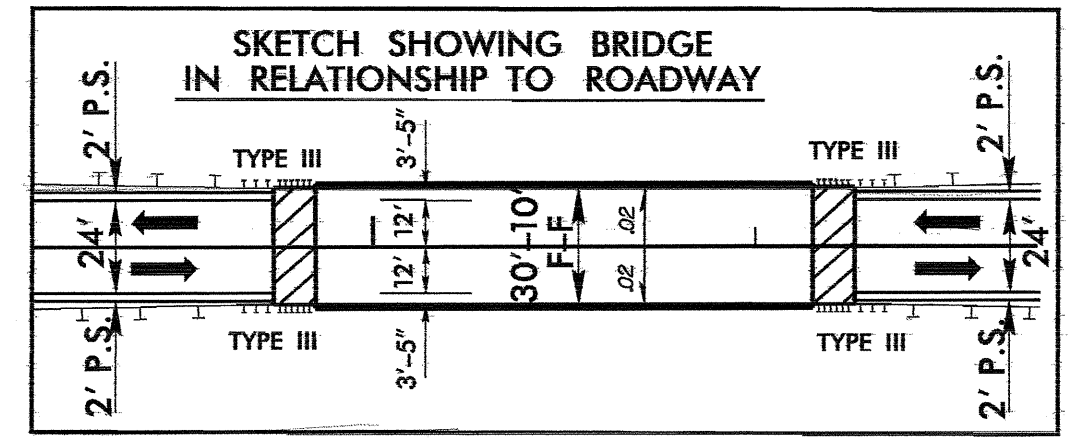
06-OCT-2009 16:45 dgs:pr\14642.ec.psh.dgn
LEAD:LEAD

8/17/99

10+00

190
180
170
160
150
140
130

10 11 12 13 14 15 16 17 18 19 20



BM #1 ELEVATION = 181.93'
N 381248 E 1880176
BL STATION 5+00
S 14° 38' 00.3" E Dist 76.65'
RR SPIKE IN BASE OF 15" BLACK GUM

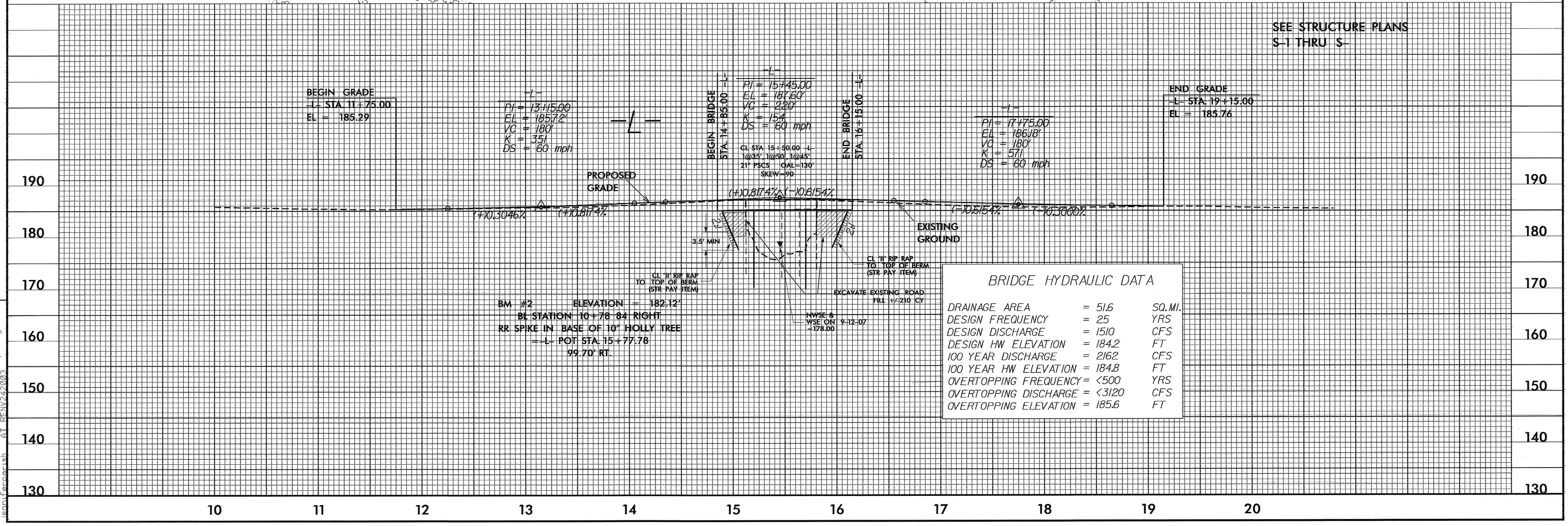
1
EDGAR JOHNSON
DB 1096 PG 238
PB 10 PG 489

BM #2 ELEVATION = 182.12'
N 381453 E 1880726
BL STATION 10+78.84 RIGHT
RR SPIKE IN BASE OF 10" HOLLY TREE
-L- POT STA. 15+77.78
99.70' RT.

3
Z.V. PATE, INC.
DB 1061 PG 206
PB 10 PG 489

-L-
PI Sta 18+85.96
Δ = 0° 12' 30.3" (RT)
D = 0° 21' 45.5"
L = 57.48'
T = 28.74'
R = 15,800.00'
DS = 60MPH

SEE STRUCTURE PLANS
S-1 THRU S-



DRAINAGE AREA	= 51.6	SQ. MI.
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 1510	CFS
DESIGN HW ELEVATION	= 184.2	FT
100 YEAR DISCHARGE	= 2162	CFS
100 YEAR HW ELEVATION	= 184.8	FT
OVERTOPPING FREQUENCY	= <500	YRS
OVERTOPPING DISCHARGE	= <3120	CFS
OVERTOPPING ELEVATION	= 185.6	FT

BM #2 ELEVATION = 182.12'
BL STATION 10+78.84 RIGHT
RR SPIKE IN BASE OF 10" HOLLY TREE
-L- POT STA. 15+77.78
99.70' RT.

REVISIONS
03/16/09 Added Permanent Utility Easement

06-OCT-2009 16:44
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User: jpc