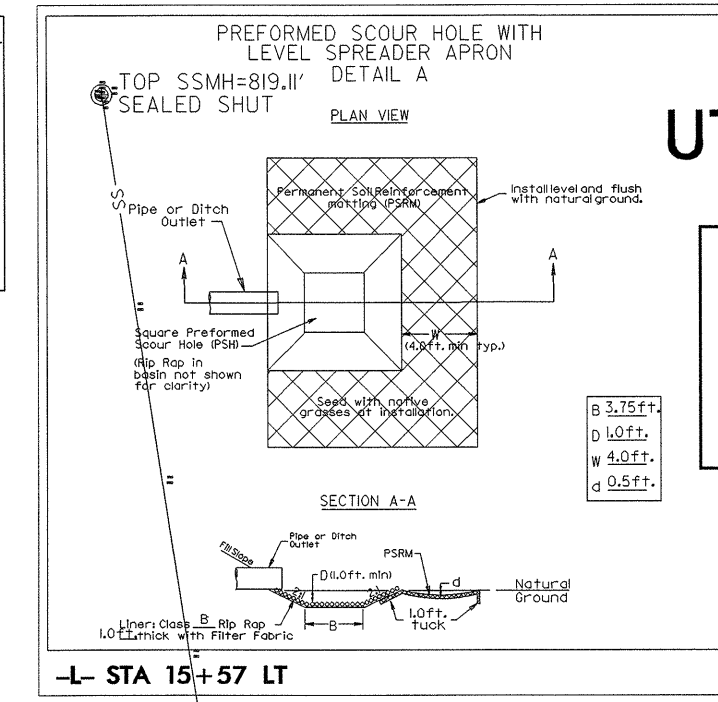
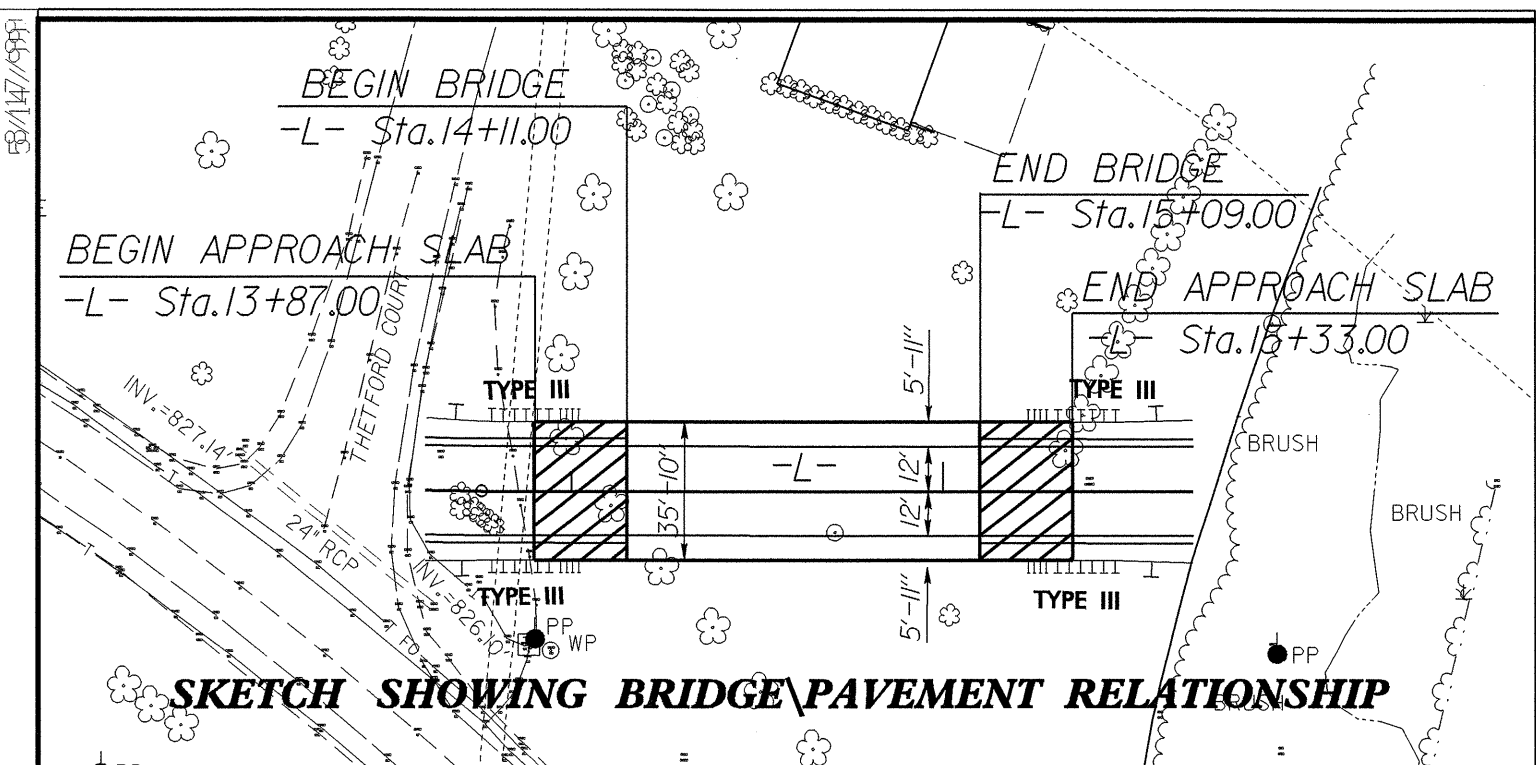


UTILITIES BY OTHERS

NOTE:
ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS

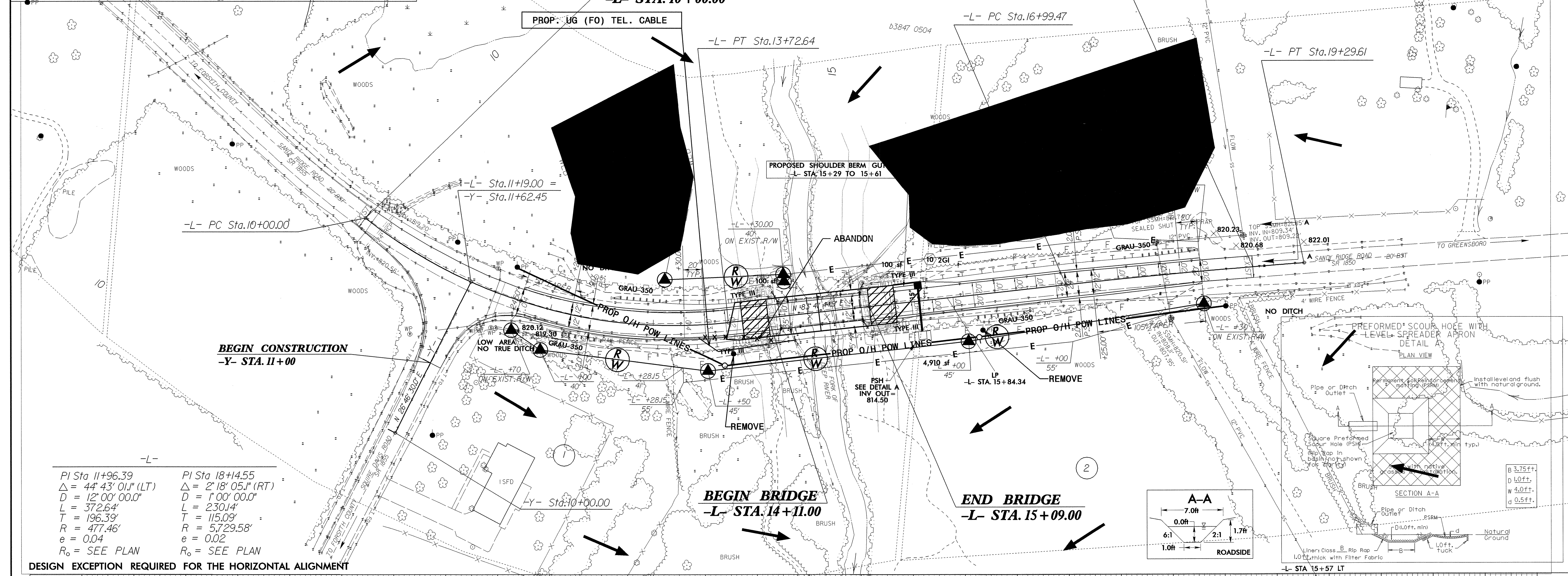


10 STA. -L- 15+57 LT
D.A. 0.7 AC
C = 0.90
Q10 = 0.612 CFS
201
R1W = 819.02 FT
INV. OUT = 816.27



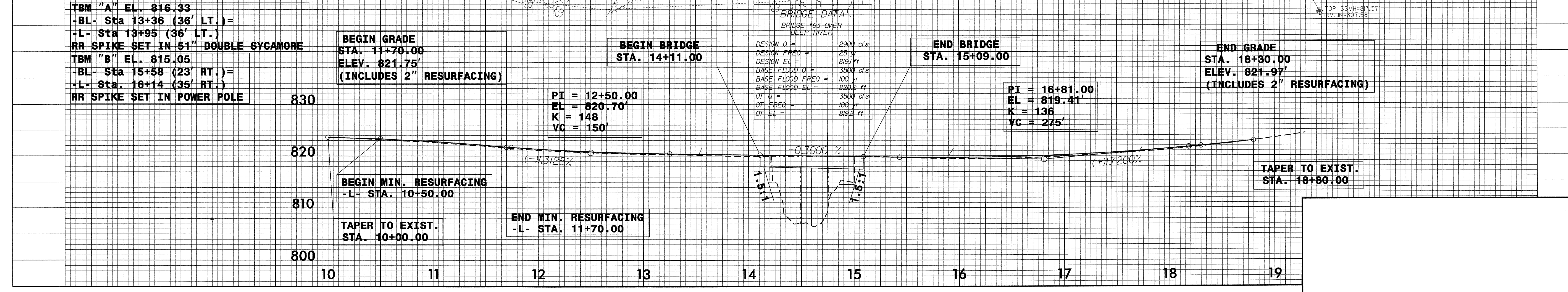
END STATE PROJECT TIP B-3847
-L- STA. 18+80.00

BEGIN STATE PROJECT TIP B-3847
-L- STA. 10+00.00



-L-
PI Sta 11+96.39 PI Sta 18+4.55
Δ = 44° 43' 01.1" (LT) Δ = 2° 18' 05.1" (RT)
D = 12' 00' 00.0" D = 1' 00' 00.0"
L = 372.64' L = 230.14'
T = 196.39' T = 115.09'
R = 477.46' R = 5,729.58'
e = 0.04 e = 0.02
R₀ = SEE PLAN R₀ = SEE PLAN

DESIGN EXCEPTION REQUIRED FOR THE HORIZONTAL ALIGNMENT



TBM "A" EL. 816.33
-BL- Sta 13+36 (36' LT.)=
-L- Sta 13+95 (36' LT.)
RR SPIKE SET IN 51" DOUBLE SYCAMORE

BEGIN GRADE
STA. 11+70.00
ELEV. 821.75'
(INCLUDES 2" RESURFACING)

BEGIN BRIDGE
STA. 14+11.00

BRIDGE DATA
BRIDGE 163 OVER DEEP RIVER
DESIGN Q = 2900 cfs
DESIGN FREQ = 25 yr
DESIGN EL = 819.41 ft
BASE FLOOD Q = 3800 cfs
BASE FLOOD FREQ = 100 yr
BASE FLOOD EL = 820.2 ft
OT Q = 3800 cfs
OT FREQ = 100 yr
OT EL = 819.8 ft

END BRIDGE
STA. 15+09.00

PI = 16+81.00
EL = 819.41'
K = 136
VC = 275'

END GRADE
STA. 18+30.00
ELEV. 821.97'
(INCLUDES 2" RESURFACING)

TAPER TO EXIST.
STA. 18+80.00

SYSTEMS