PROJECT REFERENCE NO.	SHEET NO.
R-2514C	EC-4/CONST.4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

PROPOSED US 17

7,700 / 11,400 — 100 / 2,500 — 4,400 / 6,500 — 12,000 / 17,700

4,500 / 6,700 EXISTING US 17

ADT
2015
2035

TRAFFIC DIAGRAM

PIs Sta 12+17.85
Θs = 4° 11' 32.5"
Ls = 240.00'
LT = 160.04'
ST = 80.04'

PI Sta 16+95.31
Δ = 27° 14' 57.6" (LT)
D = 3° 29' 37.1"
L = 779.97'
T = 397.51'
R = 1,640.00'
SE = .06
RO = 240'

PI Sta 13+12.68
Δ = 46° 08' 20.6" (RT)
D = 19° 05' 54.9"
L = 241.58'
T = 127.77'
R = 300.00'
SE = SEE PLANS

DETAIL A
LATERAL BASE DITCH
(Not to Scale)

Natural Ground — 3:1 or Flatter — D — 3:1 or Flatter — B — b — 1'-Ft. — Fill Slope

Min. D = 2.5 Ft.
B = 3.0 Ft.
b = 5.0 Ft.

-LBUS- STA. 11+22 to STA. 12+24 LT DDE=181 CY
-L- STA. 17+50 to STA. 19+15 RT DDE=569 CY

DETAIL AM
FALSE SUMP
(Not to Scale)

Median Ditch — 9" — 2' — L (See Chart Below) — 20' — S — GI etc. — S = Ditch Slope — ℄ Proposed Ditch

Ditch Grade	L	Ditch Grade	L
0.0% To 2.0%	20'	Over 4.0% To 6.0%	40'
Over 2.0% To 4.0%	30'	Over 6.0%	50'

DETAIL AP
SPECIAL LATERAL BASE DITCH
(Not to Scale)

Natural Ground — 3:1 — 2.0' — D — B — 3:1 or Flatter — Fill Slope

Min. D = 2.0 Ft.
B = 3 Ft.

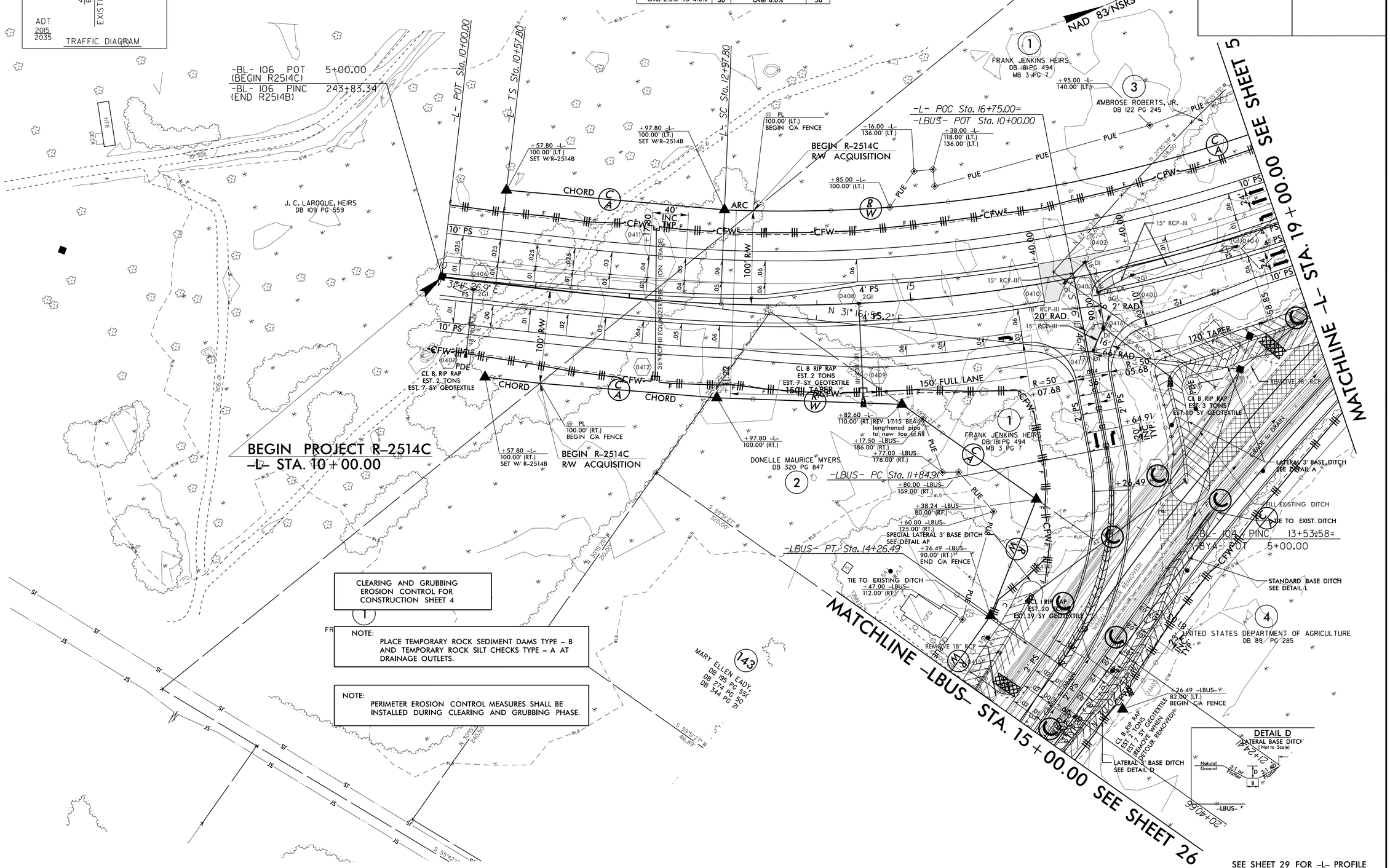
-LBUS- STA. 13+70 TO STA. 19+44 (RT)

DETAIL L
STANDARD BASE DITCH
(Not to Scale)

Natural Ground — 3:1 — D — 3:1 — Natural Ground

Min. D = VAR.
B = 3.0 Ft.

-LBUS- STA. 12+50 to STA. 13+00 LT



8/17/99

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