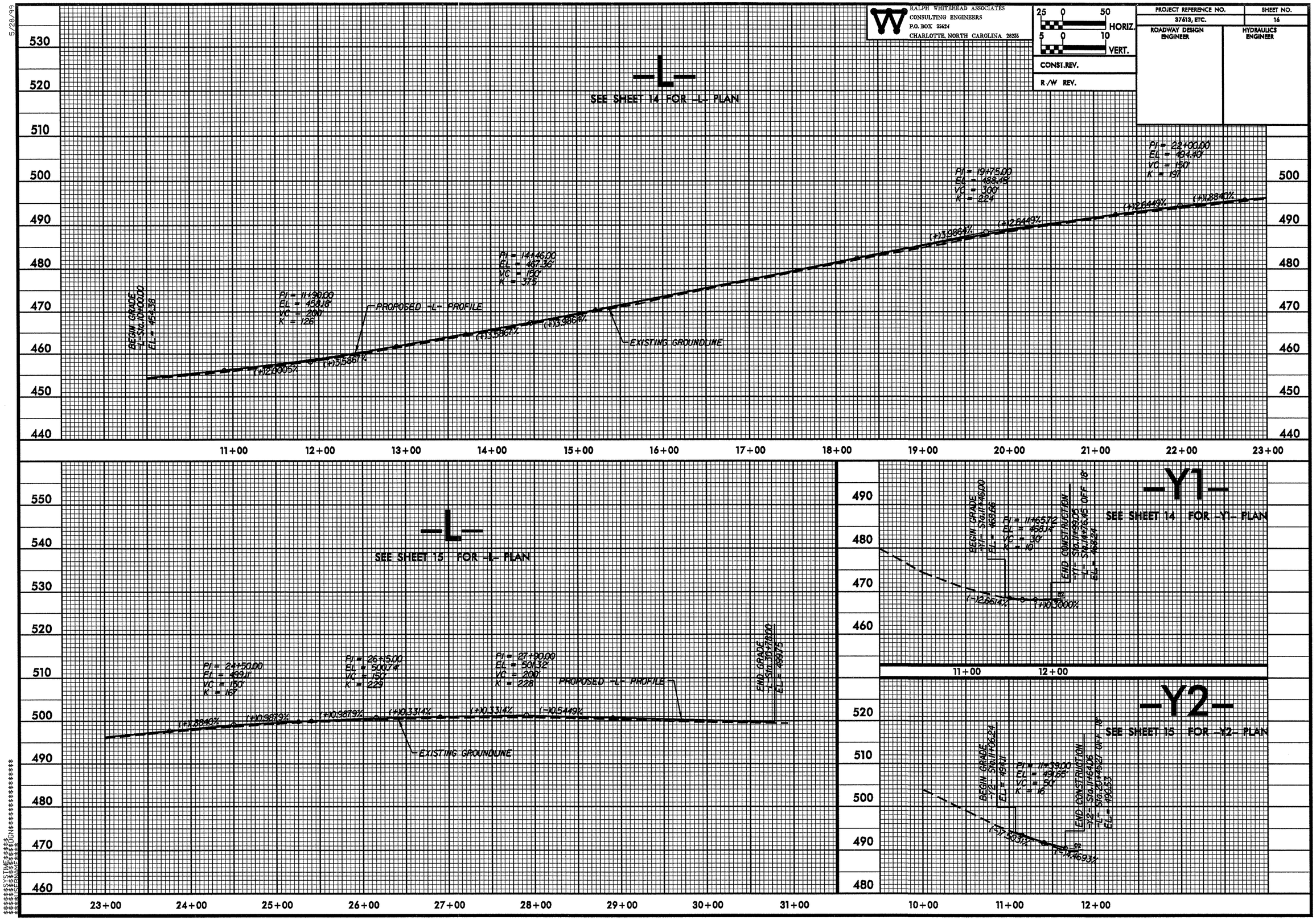

RALPH WHITEHEAD ASSOCIATES
CONSULTING ENGINEERS
P.O. BOX 35624
CHARLOTTE, NORTH CAROLINA 28235
25 0 50 HORIZ.
5 0 10 VERT.
CONST.REV.
R/W REV.
PROJECT REFERENCE NO.
37613, ETC.
SHEET NO.
16
ROADWAY DESIGN ENGINEER
HYDRAULICS ENGINEER
5/28/99
-L-
SEE SHEET 14 FOR -L- PLAN
BEGIN GRADE -L- Sta.10+00.00 EL = 454.38
PI = 11+90.00 EL = 458.18' VC = 200' K = 126
PROPOSED -L- PROFILE
PI = 14+46.00 EL = 467.36' VC = 150' K = 375
EXISTING GROUNDLINE
PI = 19+75.00 EL = 488.45' VC = 300' K = 224
PI = 22+00.00 EL = 494.40' VC = 150' K = 197
(+)2.0005%
(+)3.5867%
(+)3.9864%
(+)2.6449%
(+)1.8840%
-L-
SEE SHEET 15 FOR -L- PLAN
PI = 24+50.00 EL = 499.11' VC = 150' K = 167
PI = 26+15.00 EL = 500.74' VC = 150' K = 229
PI = 27+90.00 EL = 501.32' VC = 200' K = 228
PROPOSED -L- PROFILE
END GRADE -L- Sta.30+78.00 EL = 499.75
EXISTING GROUNDLINE
(+)1.8840%
(+)0.9879%
(+)0.3314%
(-)0.5449%
-Y1-
SEE SHEET 14 FOR -Y1- PLAN
BEGIN GRADE -Y1- Sta.11+46.00 EL = 468.66
PI = 11+65.72 EL = 468.14' VC = 30' K = 10
END CONSTRUCTION -Y1- Sta.11+99.05 -L- Sta.14+76.45 OFF 18' EL = 468.24
(-)2.6614%
(+)0.3000%
-Y2-
SEE SHEET 15 FOR -Y2- PLAN
BEGIN GRADE -Y2- Sta.11+06.24 EL = 494.11
PI = 11+39.00 EL = 491.65' VC = 50' K = 16
END CONSTRUCTION -Y2- Sta.11+64.06 -L- Sta.20+45.27 OFF 18' EL = 496.53
(-)7.5031%
(-)4.4693%