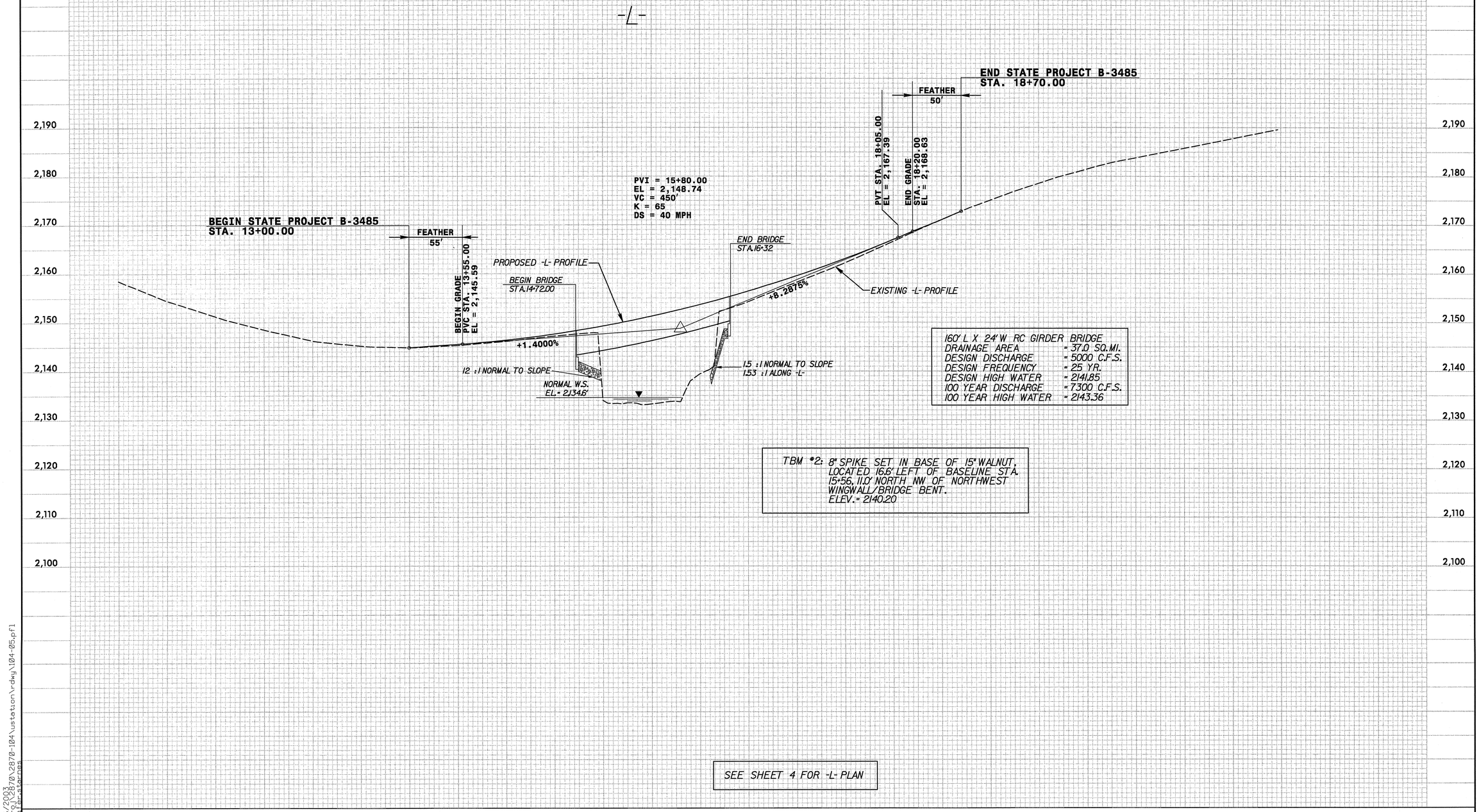
RALPH WHITEHEAD ASSOCIATES
CONSULTING ENGINEERS
P.O. BOX 35624
CHARLOTTE, NORTH CAROLINA 28235

5/14/99

PROJECT REFERENCE NO.	SHEET NO.
B-3485	5
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 016067 ENGINEER BRIAN D. DEHLER 4-16-03

NORTH CAROLINA PROFESSIONAL SEAL 016067 ENGINEER BRIAN D. DEHLER 4-16-03



160' L X 24' W RC GIRDER BRIDGE	
DRAINAGE AREA	= 37.0 SQ.MI.
DESIGN DISCHARGE	= 5000 C.F.S.
DESIGN FREQUENCY	= 25 YR.
DESIGN HIGH WATER	= 2141.85
100 YEAR DISCHARGE	= 7300 C.F.S.
100 YEAR HIGH WATER	= 2143.36

TBM #2: 8" SPIKE SET IN BASE OF 15" WALNUT, LOCATED 16.6' LEFT OF BASELINE STA. 15+56, 11.0' NORTH NW OF NORTHWEST WINGWALL/BRIDGE BENT. ELEV.= 2140.20

SEE SHEET 4 FOR -L- PLAN

04/16/2003
n:\proj\2870\2870-104\ustation\rdwy\104-05.pfl
lenny\brastarnes