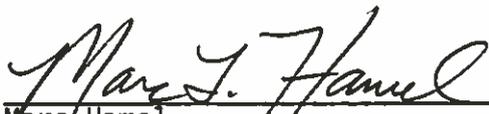


FILE COPY
DO NOT REMOVE
FROM FILE

FEASIBILITY STUDY

Cary, Evans Road Extension (SR 1653)
From Aviation Parkway (SR 1002) to Weston
Parkway (SR 1795), Wake County
U-2403

Prepared by
Planning and Research Branch
Division of Highways
N. C. Department of Transportation

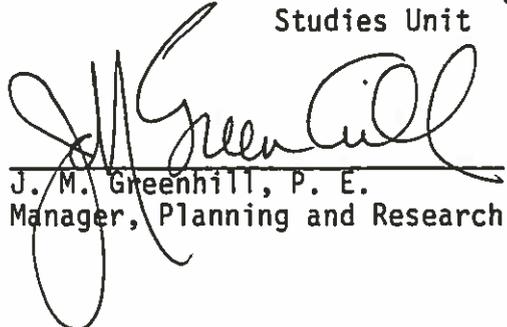


Marc Hamel
Project Planning Engineer



R. G. Dawson, Jr., P. E.
Head of Feasibility & Special
Studies Unit

5.10.89
Date



J. M. Greenhill, P. E.
Manager, Planning and Research

Cary, Evans Road Extension (SR 1653)
From Aviation Parkway (SR 1002) to Weston
Parkway (SR 1795), Wake County
U-2403

I. DESCRIPTION

This report covers the proposed extension of Evans Road between Aviation Parkway (SR 1002) and Weston Parkway (SR 1795) in Cary. General location of the 0.7 mile extension is shown on Figure 1. This project is included in the 1988-1996 Transportation Improvement Program for Feasibility study and/or right-of-way protection. It is not currently funded.

II. PURPOSE OF PROJECT

The proposed project is part of the mutually adopted Greater Raleigh Urban Area Thoroughfare Plan dated July 1988. The new facility would provide a major link in the Evans Road corridor, providing alternate access to the substantial new development near Weston Parkway, and relieving congestion on NC 54.

The project proposed is to be a joint effort between the Silverton and North Hills developers, North Carolina Department of Transportation and Wake County.

The proposed extension traverses undeveloped land, with a major segment in the Lake Crabtree floodplain (see Figure 2). Estimated traffic volume on this facility for the year 2010 is 28,000 vehicles per day (VPD).

III. RECOMMENDATIONS AND COSTS

The proposed extension is justified since it is an important element of the approved thoroughfare plan.

The recommended cross section for this project is a 52-foot, face to face of curbs, 4-lane facility with 12-foot lanes, and curb and gutter. The total length of the project is approximately 0.65 mile. A 250-foot long bridge is required to cross the Lake Crabtree floodplain.

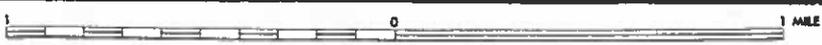
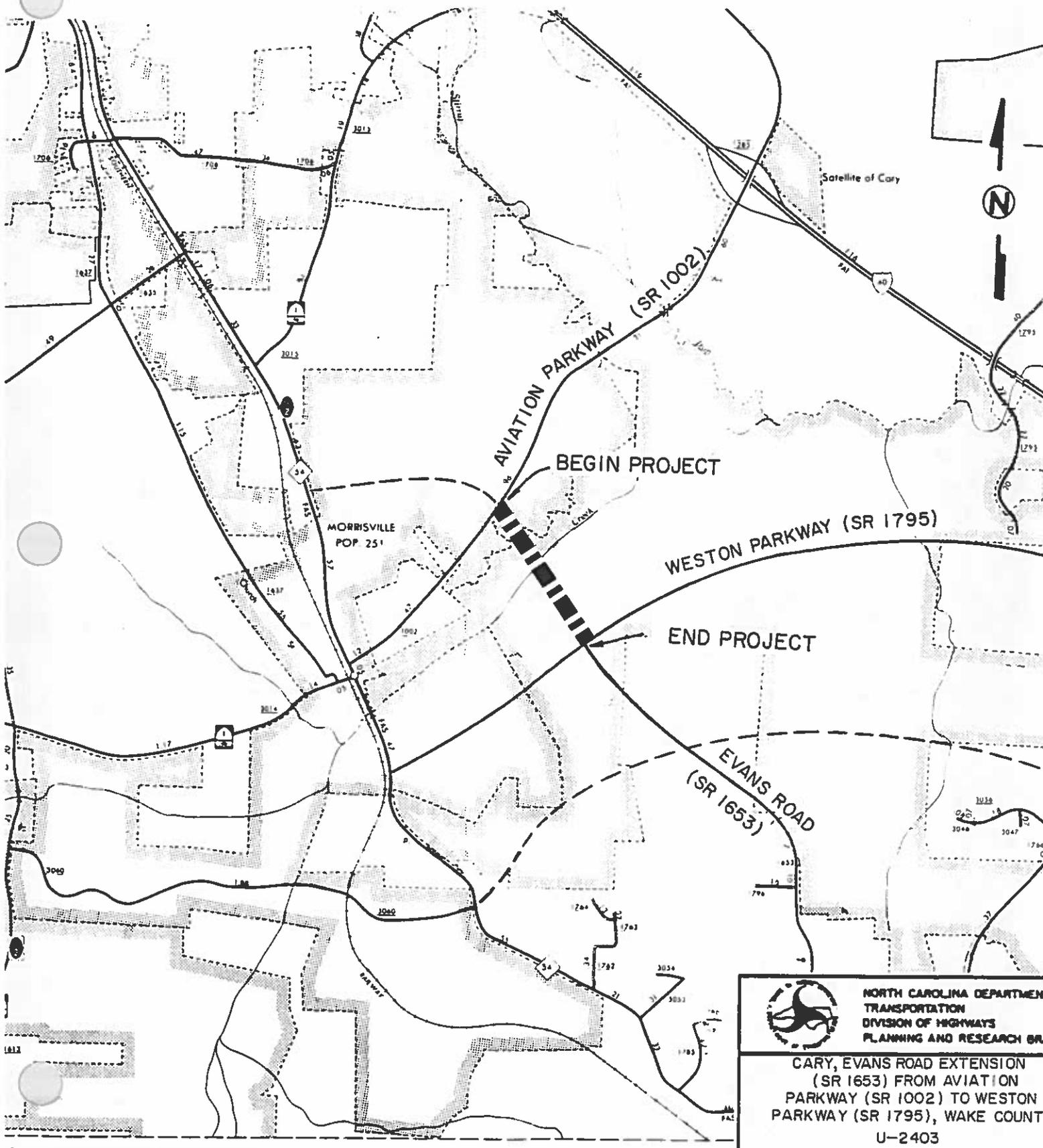
Right-of-way for the project traverses 3 sections of property (see Figure 2). The southeast segment of right-of-way is owned by North Hills, Inc. developers and is to be donated to the State at no cost. The center section, crossing Lake Crabtree's floodplain, is also to be donated by the owner, Wake County. The northwestern final segment is also owned by North Hills, Inc. and is to be conveyed to the State with a stipulation attached that was in its original purchase agreement. The easement on this North Hills property expires in June of 1990; therefore, construction must be under way by that date. There would be no right-of-way cost for the State.

Construction costs for this project are to be divided evenly between the developers and North Carolina Department of Transportation (i.e., 25% by North Hills, Inc., 25% by Silverton, and 50% or \$1,225,000 by NCDOT). Total construction cost for the project is estimated at \$2,450,000.

IV. OTHER COMMENTS

Negative environmental impacts of the project are: (1) loss of woodlands; (2) loss of wildlife habitat; and (3) loss of a small amount of floodplain.

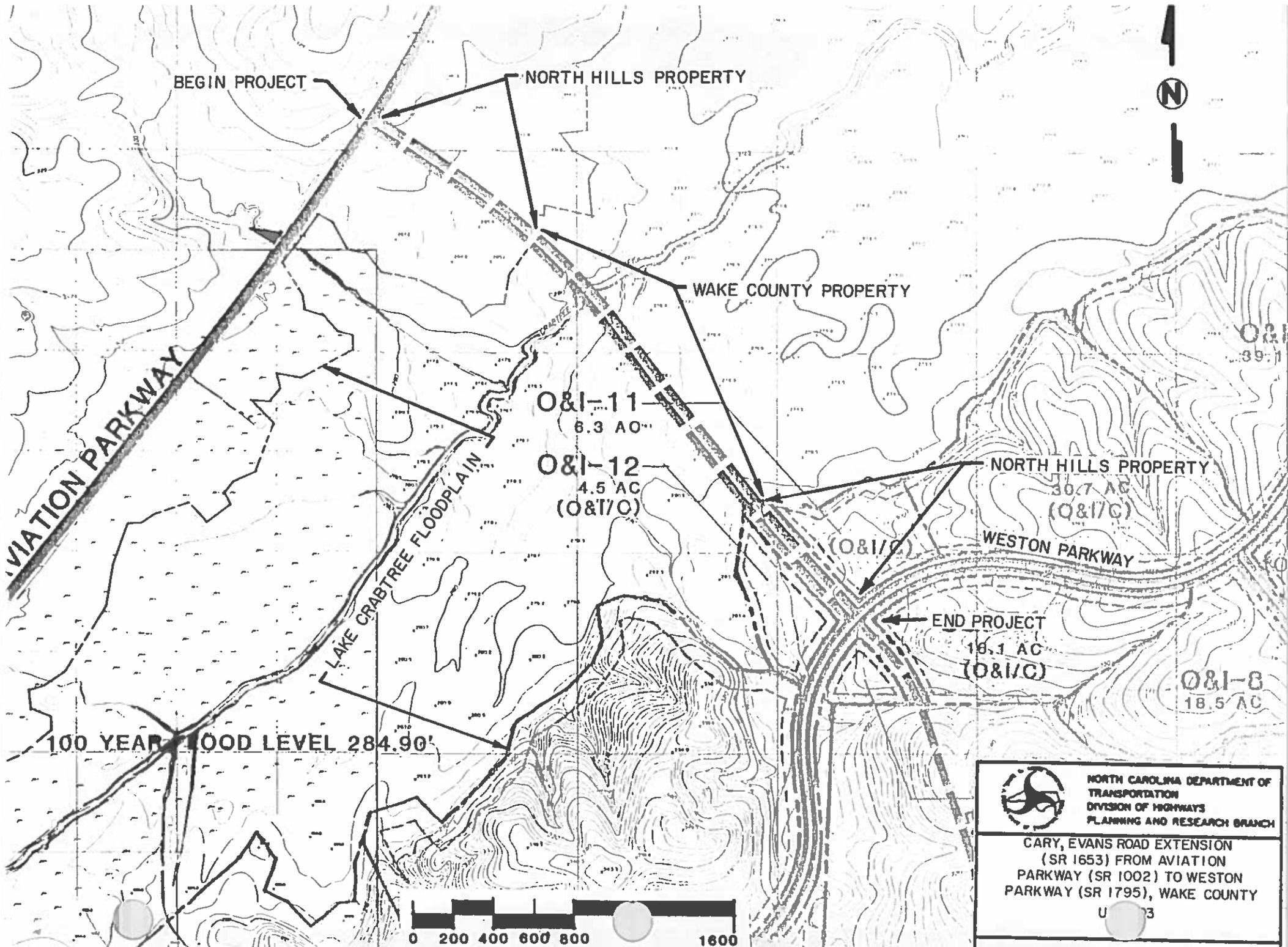
MH/rm




NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANNING AND RESEARCH BR.

CARY, EVANS ROAD EXTENSION
(SR 1653) FROM AVIATION
PARKWAY (SR 1002) TO WESTON
PARKWAY (SR 1795), WAKE COUNTY
U-2403

FIG.



BEGIN PROJECT

NORTH HILLS PROPERTY

WAKE COUNTY PROPERTY

AVIATION PARKWAY

LAKE CRABTREE FLOODPLAIN

O&I-11
6.3 AC

O&I-12
4.5 AC
(O&I/O)

NORTH HILLS PROPERTY
30.7 AC
(O&I/C)

WESTON PARKWAY

(O&I/C)

END PROJECT

16.1 AC
(O&I/C)

O&I-8
18.5 AC

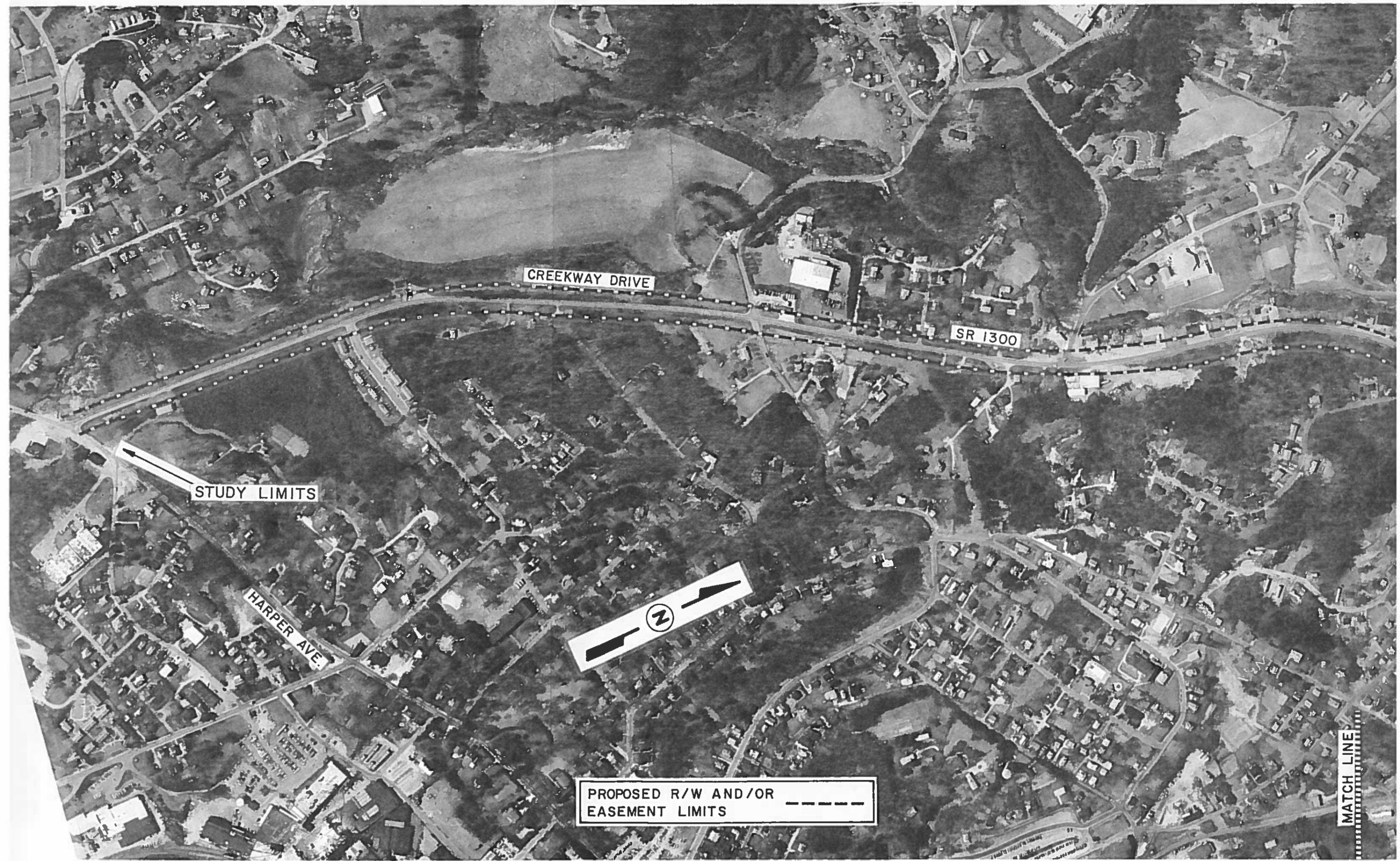
100 YEAR FLOOD LEVEL 284.90'



NORTH CAROLINA DEPARTMENT OF
TRANSPORTATION
DIVISION OF HIGHWAYS
PLANNING AND RESEARCH BRANCH

CARY, EVANS ROAD EXTENSION
(SR 1653) FROM AVIATION
PARKWAY (SR 1002) TO WESTON
PARKWAY (SR 1795), WAKE COUNTY

U 3



CREEKWAY DRIVE

SR 1300

STUDY LIMITS

HARPER AVE.



PROPOSED R/W AND/OR
EASEMENT LIMITS -----

MATCH LINE