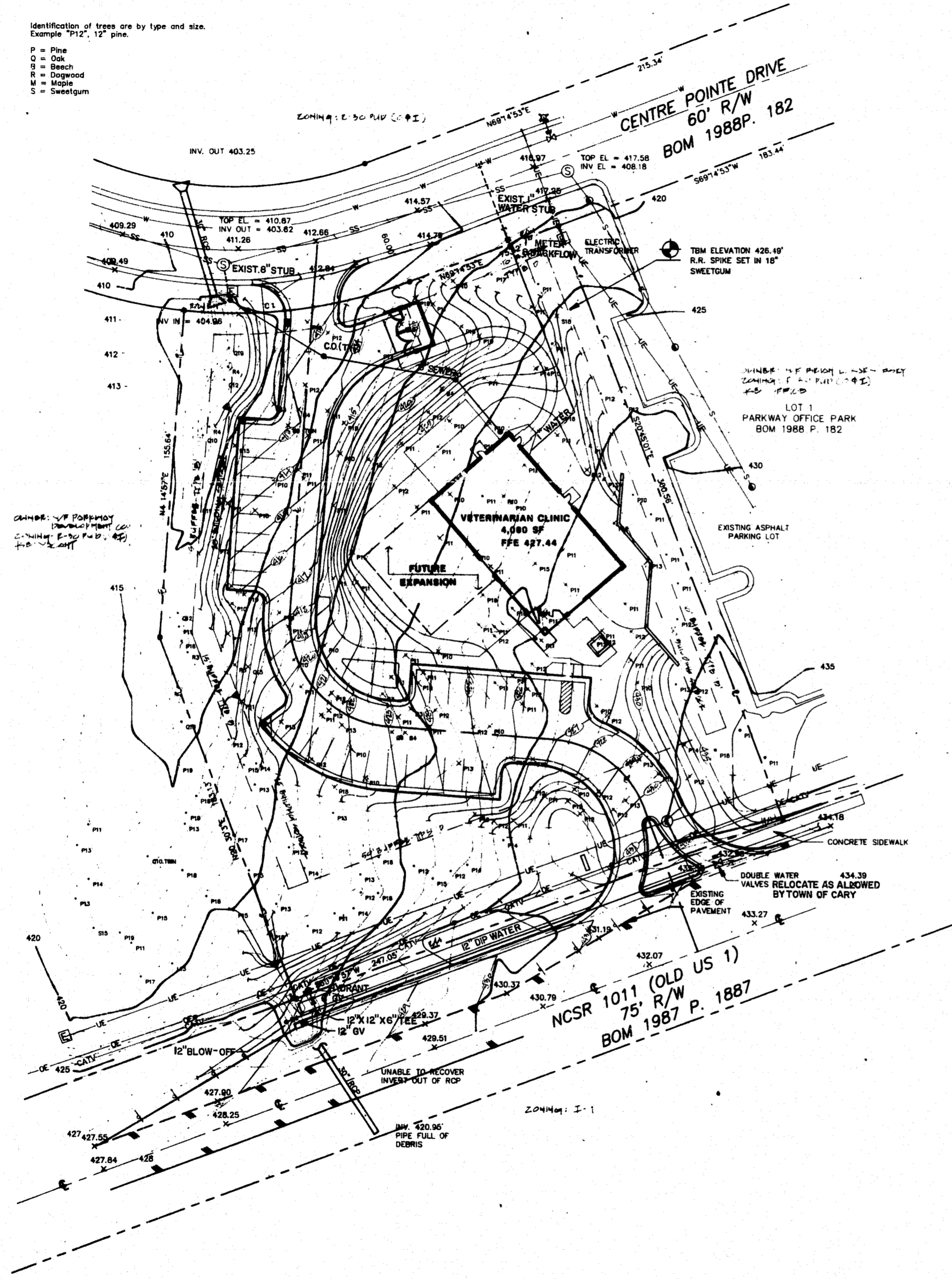


CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
CI	238.72	108.87				

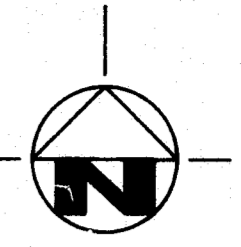
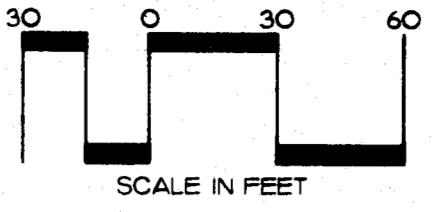
Identification of trees are by type and size.
 Example "P12", 12" pine.
 P = Pine
 O = Oak
 B = Beech
 R = Dogwood
 M = Maple
 S = Sweetgum



OWNER: V.P. PARKWAY
 ENGINEER: GEORGE FINCH ARCHITECT, P.A.
 DATE: 12/27/93

- SEWER AND WATER MAIN NOTES
- The proposed water mains and utility services shall be constructed in accordance with the Town of Cary's standards, details, and specifications and the latest edition of the N.C. Building Code, Plumbing.
 - Site base drawing provided by George Finch, Landscape Architect.
 - Disturbed surfaces shall be returned to their original condition prior to completion of construction.
 - The Contractor shall locate the existing sewer and water mains prior to starting construction of the new mains and verify the existing inverts, pipe diameters, and manhole locations. Any differences shall be reported to the Engineer prior to starting construction.
 - The Contractor shall be responsible for location of all interference to these drawings are necessary.
 - The Contractor is responsible for all damages during construction, and shall repair all damages at his expense.
 - The new water main shall be tested in accordance with the requirements of the Town of Cary and the Division of Environmental Health.
 - All cleanouts shall be located outside stormwater swales.
 - The Contractor shall hold harmless the Owner and the Engineer for damages, injuries, or other accidents which occur during the construction of these utilities.
 - Sheet U-1 should be used for location of the sewer and water mains only. Other information is shown for information purposes only and is subject to change without revision to this sheet.
 - There is no known 100 year flood elevation for this site.
 - A final inspection will be conducted with the Town, Contractor, and Engineer present. Any deficiencies noted will be corrected by the Contractor at his expense at the time of the inspection.
 - The Owner shall have the easements surveyed and recorded.
 - No construction of the water mains shall occur until the required permits are obtained and a Professional Engineer has been retained to conduct the necessary site visits to verify that water mains were constructed in accordance with the approved drawings and issued permits.
 - The Contractor is responsible for complying with all local and State erosion control requirements during construction of these mains.
 - The Contractor shall be responsible for providing the Project Engineer with surveyed data to prepare As-Built drawings of the water main and utility services.
 - During the construction of the new sewer main pipe to the existing sewer system, no spillage of sewerage will be allowed.
 - The Contractor shall be responsible for contacting the appropriate inspection departments for proper coordination of the installation of these mains prior to starting construction.
 - The required traffic control, safety protection, and other measures shall be taken while working in the road right-of-way.
 - The water main shall be installed in accordance with the recommendations of the pipe manufacturer. If additional fittings or bends are required, these will be provided by the Contractor.
 - All water and sewer mains shall be separated by 10 horizontal or 1.5 vertical feet or ductile iron pipe shall be used for both pipes. When water and sewer pipes cross, ductile iron pipe shall be used for both pipes 10 feet in both directions of the crossing. The water service shall be fitted with the required backflow prevention device as required by the Town of Cary. This system shall be placed in a protective box, protected from freezing, and the box drained as required by the Town of Cary.
 - The sewer service pipe shall be surveyed prior to construction.

IMPORTANT NOTE
 ALL WORK, MATERIALS, CONSTRUCTION PROCEDURES, AND ALL OTHER ASPECTS OF THE INSTALLATION OF THE SEWER AND WATER MAINS SHALL COMPLY WITH THE TOWN OF CARY'S STANDARDS AND THE N.C. BUILDING CODE, PLUMBING, LATEST EDITION.



REVISIONS
 1. 12/27/93
 20 JAN, 1994

DATE PREPARED: 12/27/93
 DRAWN BY: WLF
 DESIGNED BY: WLF
 CHECKED BY: WLF

W. LEE FLEMING, JR. ENGINEERING
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 601 OBERLIN ROAD, SUITE 200
 RALEIGH, NORTH CAROLINA 27605
 919/833-1212

A PROJECT BY THE CENTRE GROUP
PARKWAY ANIMAL HOSPITAL
 NCSR 1011 (OLD U.S. 1)
 CARY, NORTH CAROLINA

DRAWN BY: ABC
 CHECKED BY: GMF
 PROJECT NO: 93-37
 DATE: 29 DEC. 1993
 U-1 SHEET OF

WATER PERMIT REQUIREMENTS
 1. WATER MAIN PERMIT - DIVISION OF ENVIRONMENTAL HEALTH
 PERMIT NUMBER: _____ DATE: _____

Note: Work shall not begin on the water main, nor contract be awarded, until the listed permit and approval have been received and appropriate permit numbers and approval dates are indicated above. Until these permits and approvals are received, these drawings are considered Preliminary Only - Not Released for Construction. Further, if other permits are found to be required, these drawings shall not be released for construction until these additional permits or approvals are received.

U-1 WATER AND SEWER PLAN
 SCALE 1" = 30'-0"

THESE PLANS ARE PREPARED FOR REVIEW AND PERMITTING BY THE LOCAL AUTHORITIES HAVING JURISDICTION OVER APPLICABLE PORTIONS OF THE WORK, AND AS SUCH ARE NOT RELEASED FOR CONSTRUCTION UNTIL SO NOTED.

POSSIBLE SEWERAGE FLOW: 4,080 SQ FT X 0.9 GPD/SQ FT = 367.2 GPD

WLF
 12/27/93

SITE WATER AND SEWER ONLY