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March 29, 1996

INSTRUCTIONAL BULLETIN NO. 96-5

SUBJECT: CADD Files for Additional Surveys

EFFECTIVE DATE: April 1, 1996

SUPERSEDES: None

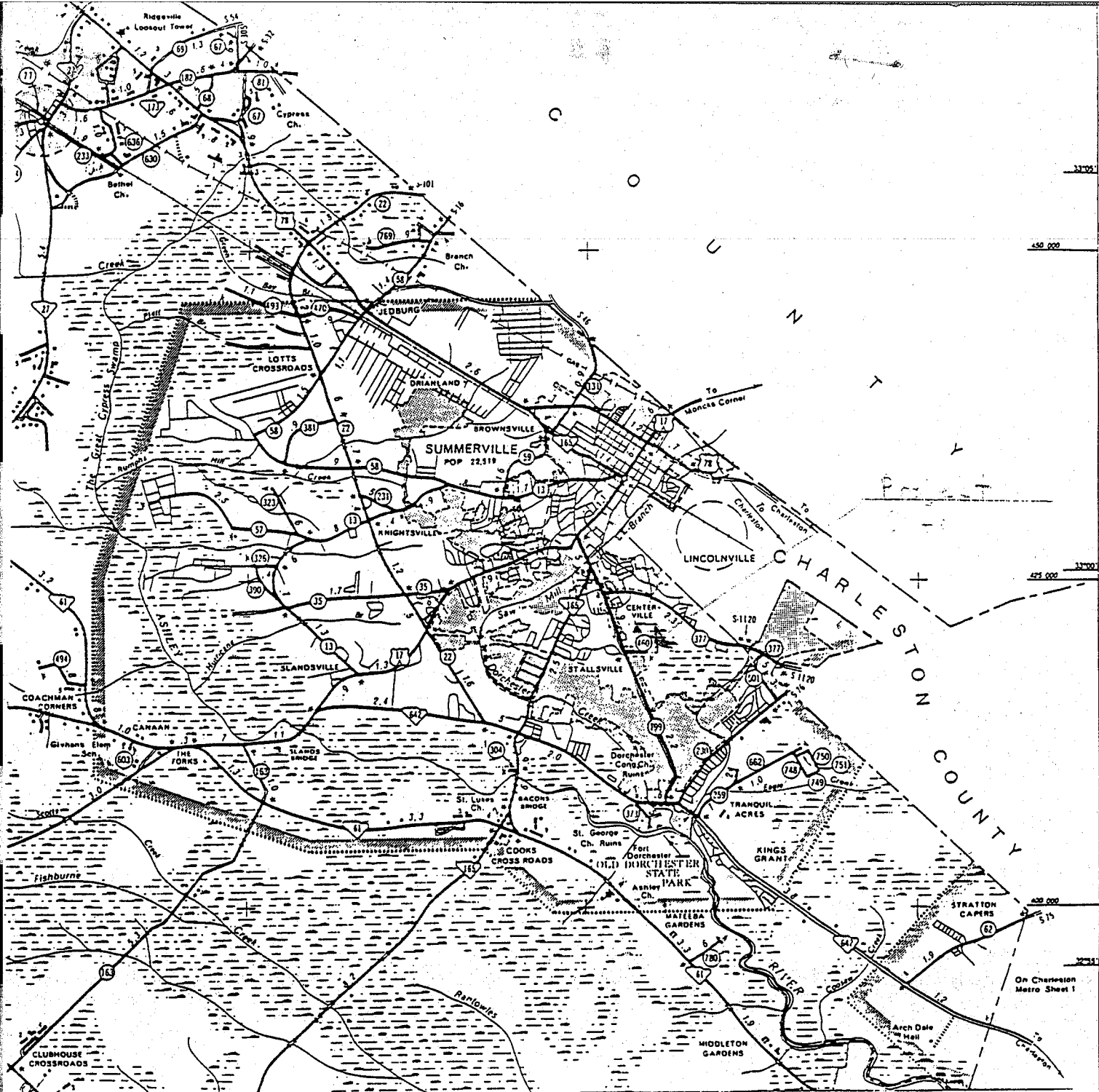
RE:

Due to the increasing number of additional surveys received for a project, it has become necessary to establish a procedure to integrate the new survey files with the original survey. There have been times, when additional surveys were requested, the information desired was actually included on a previous survey or the latest information received was not properly incorporated into the plans. When information is present but not found, it creates errantly the need for yet another survey and project delays.

In light of the above, a procedure has been written to be added to the "Road Design CADD User Guide". The new page (3-2) showing this new procedure is attached and should be helpful in identifying and integrating new survey files.

E. S. Eargle
Road Design Engineer

Attachment

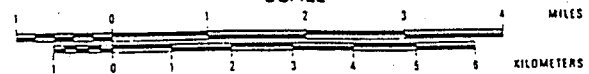


GENERAL HIGHWAY MAP DORCHESTER COUNTY SOUTH CAROLINA

PREPARED BY THE
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

SCALE



1969

GENERAL HIGHWAY

287

Example A
Page 1 of 3

Bobby,
This needs to be
done ASAP

Saney

REQUEST FOR SURVEY

DATE: 7-26-76

ROUTE TO: _____ SUPPORT SERVICES ENGINEER
_____ SURVEYS ENGINEER
Susan Arnett ENGINEER

COUNTY: Dorchester CITY/TOWN: Summerville

PROJECT TYPE: 5 lane curb & gutter

ROAD/ROUTE: C-199

FROM: _____ TO: _____

CONSTRUCTION PIN: 12582 FILE NO: 18.568 PROJECT NO: STP-5128(010)

CHARGE CODE: 18 W 36 5128 010 220.6

DATE OF EMINENT DOMAIN ADVERTISEMENT: _____

YES NO

THIS REQUEST IS FOR ADDITIONAL SURVEY WORK ON A PREVIOUSLY SURVEYED PROJECT

COMMENTS: _____

PLANS OR OTHER DRAWINGS WITH SPECIFIC INSTRUCTIONS TO IDENTIFY THE SCOPE OF WORK ARE ENCLOSED. NOTE IN COMMENTS WHO PREPARED THESE.

COMMENTS: Red Line prepared by Betsy Dalton

LOCATION MAP IS INCLUDED.

FOR ADDITIONAL INFORMATION CONTACT: Betsy Dalton 7-9870

PROJECT ENGINEER: _____ PHONE: _____

ASST. PROJ. ENGR.: Susan Arnett PHONE: 71173

ENGINEER _____ PHONE: _____

COUNTY: Dorchester PIN: 12582 FILE: _____

ROAD/ROUTE: _____

I. RIGHT OF WAY AND PROPERTY INFORMATION

_____ (A) ADDITIONAL RIGHT OF WAY IS ANTICIPATED FOR ALL OR MOST OF THE PROJECT ALIGNMENT.

COMMENTS: _____

_____ (B) ADDITIONAL RIGHT OF WAY IS ANTICIPATED ONLY FOR THE AREAS DESIGNATED ON THE ENCLOSED DRAWINGS OR INSTRUCTIONS.

COMMENTS: _____

II. OUTFALL DITCHES AND DRAINAGE

_____ (A) SURVEY ALL OUTFALL DITCHES A MINIMUM OF _____ FEET DOWNSTREAM AND _____ FEET UPSTREAM.

COMMENTS: _____

_____ (B) DO NOT SURVEY OUTFALL DITCHES AT THIS TIME. WILL BE REQUESTED AT A FUTURE DATE THROUGH HYDROLOGY SECTION OR AFTER ADDITIONAL STUDY IF NEEDED.

COMMENTS: _____

III. INTERSECTING ROADS

_____ (A) SURVEY ALL INTERSECTING ROADS A MINIMUM OF _____ FEET.

COMMENTS: _____

_____ (B) SURVEY INTERSECTING ROADS ONLY AS INDICATED ON THE ENCLOSED DRAWINGS/PLANS.

COMMENTS: _____

IV. CROSS SECTIONS

_____ (A) EXTEND CROSS SECTIONS _____ FEET LEFT AND _____ FEET RIGHT OF THE SURVEY CENTERLINE, AT FREQUENCY SHOWN UNDER COMMENTS.

COMMENTS: _____

_____ (B) EXTEND CROSS SECTIONS _____ FEET LEFT AND _____ FEET RIGHT OF INTERSECTING ROAD CENTERLINES, AT FREQUENCY SHOWN UNDER COMMENTS.

COMMENTS: _____

_____ (C) SEE ENCLOSED DRAWINGS/PLANS FOR CROSS SECTION INSTRUCTIONS.

V. BRIDGES. APPROPRIATE BRIDGE DATA FORM SHOULD BE INCLUDED FOR ANY OF THE FOLLOWING THAT APPLY.

_____ (A) REPLACE BRIDGE OVER STREAM ON SAME LOCATION.

_____ (B) REPLACE BRIDGE OVER STREAM ON NEW LOCATION.

_____ (C) WIDEN BRIDGE AT STREAM CROSSING.

_____ (D) WIDEN BRIDGE OVER RAILROAD.

_____ (E) REPLACE BRIDGE OVER RAILROAD.

_____ (F) CULVERT STRUCTURAL AND/OR HYDRAULIC DESIGN.

VI. OTHER

✓ _____ (A) Locate pipe and determine pipe sizes, F.L., FL., length for Storm Sewer Study

_____ (B) _____

_____ (C) _____

Additional Surveys & Relocations

The original plan and property design file (pp.dgn) will follow the file naming convention as described on the previous page. Additional surveys and relocations for a project will be coordinated through the CADD survey unit and will be named according to the following guidelines.

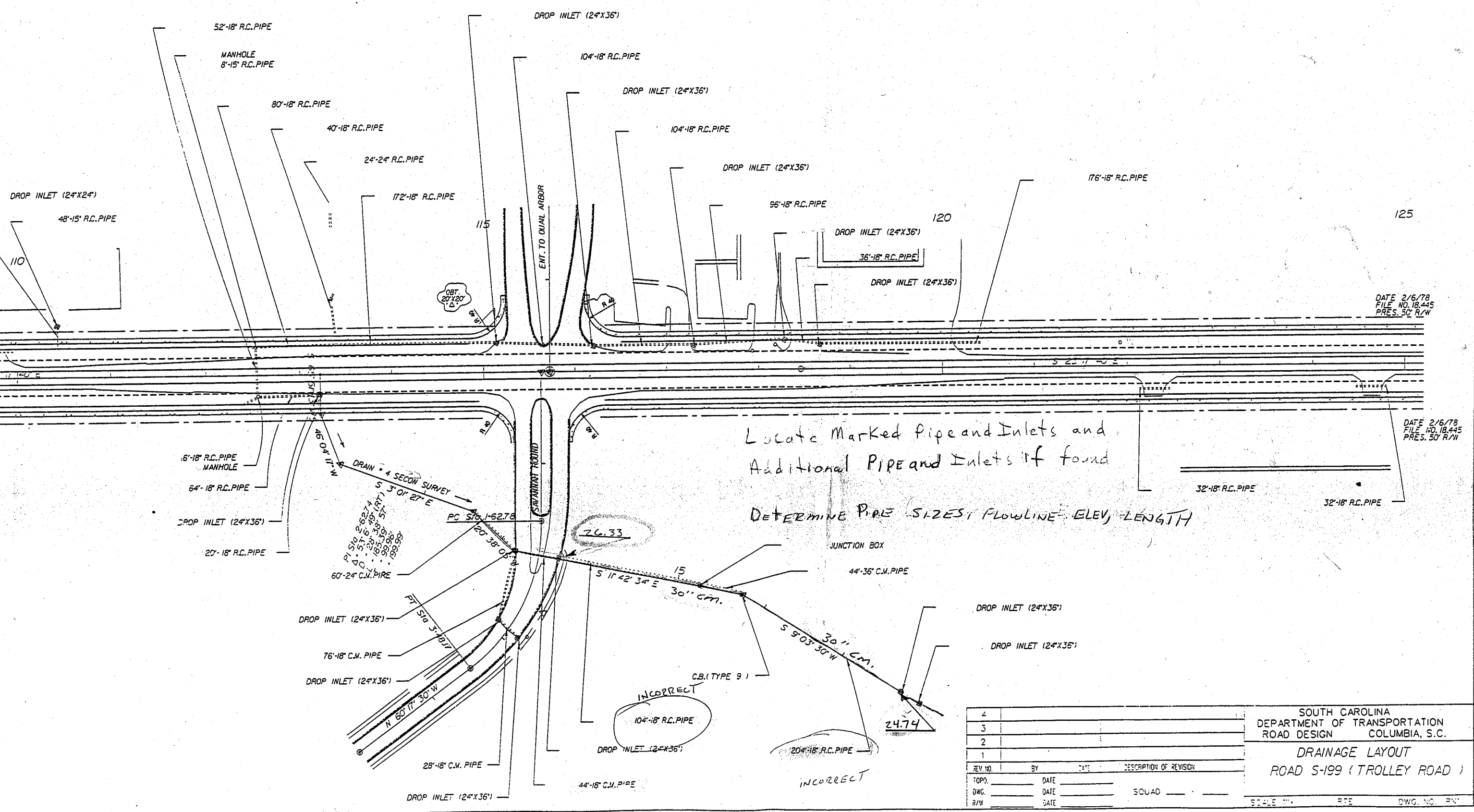
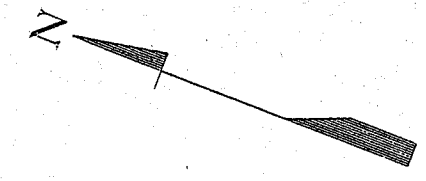
For pin # 17436, the new files would be named the following:

17436a.new
17436a.alg
17436a.dgn
keep36a.inp
17436a.txt
prop36a.dgn

The survey section will include a printed listing of all new files created for each additional survey with the hand notes.

The letter "a" signifies the first additional survey for the project, and b,c,d,etc. would be used, if needed for further additional surveys. Once an additional survey is received, the squad should verify that it is correct and not a duplication of previous information. The new survey should then be merged into the original pp file by attachment as a reference file or the merge command.

New Geopak points and chains for the new surveys will also be coordinated by the CADD survey unit. They will verify previously stored Geopak points and chains, then renumber points so they fall into unused point ranges. The file named keep36a.inp in this example would include this new Geopak information and be copied and renamed into the original j436o32.inp file. When this file is read into Geopak Cogo, it will update the .gpk file with the new survey chains and points.



4			
3			
2			
1			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
TOPO.		DATE	
DWG.		DATE	SQUAD
R/W		DATE	

SOUTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 ROAD DESIGN COLUMBIA, S.C.
 DRAINAGE LAYOUT
 ROAD S-199 (TROLLEY ROAD)

SCALE: 1" = 40' R/W DWG. NO. 18.445

B.M. NO. 9: NAIL IN BASE OF 20" PINE
50' LEFT OF STA. 117+25 ELEV. = 39.29'

B.M. NO. 10: NAIL IN BASE OF 12" OAK
50' LEFT OF STA. 127+98 ELEV. = 30.42'

B.M. NO. 11: NAIL IN BASE OF 30" OAK
50' RIGHT OF STA. 138+35 ELEV. = 26.56'

