

TIP PROJECT: U-4401

CONTRACT:

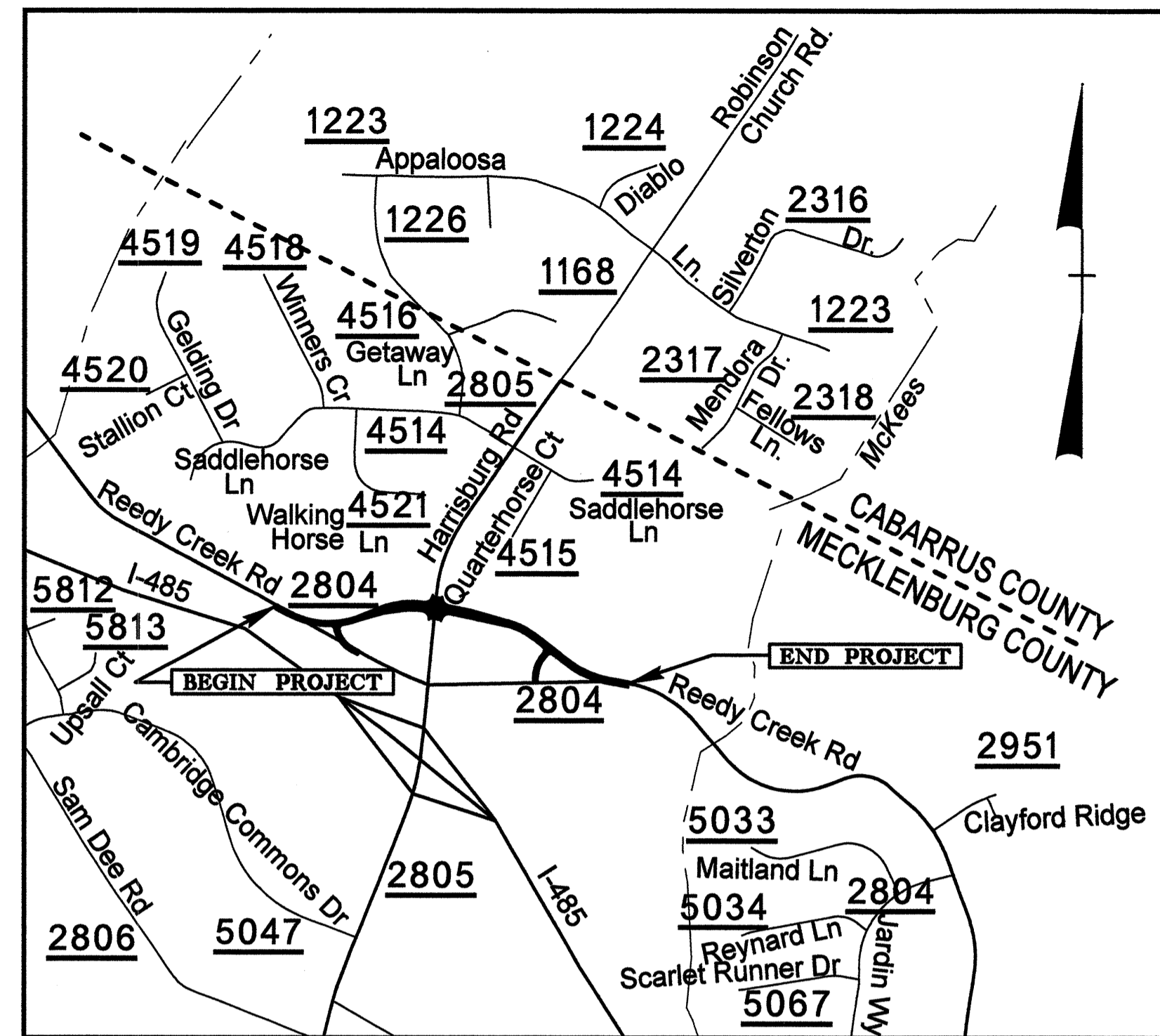
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

| | |
|------------|-----------|
| T.I.P. NO. | SHEET NO. |
| U-4401 | UC-1 |

**UTILITY CONSTRUCTION PLANS
MECKLENBURG COUNTY**

**LOCATION: SR 2804 (REEDY CREEK RD) &
SR 2805 (HARRISBURG RD)**

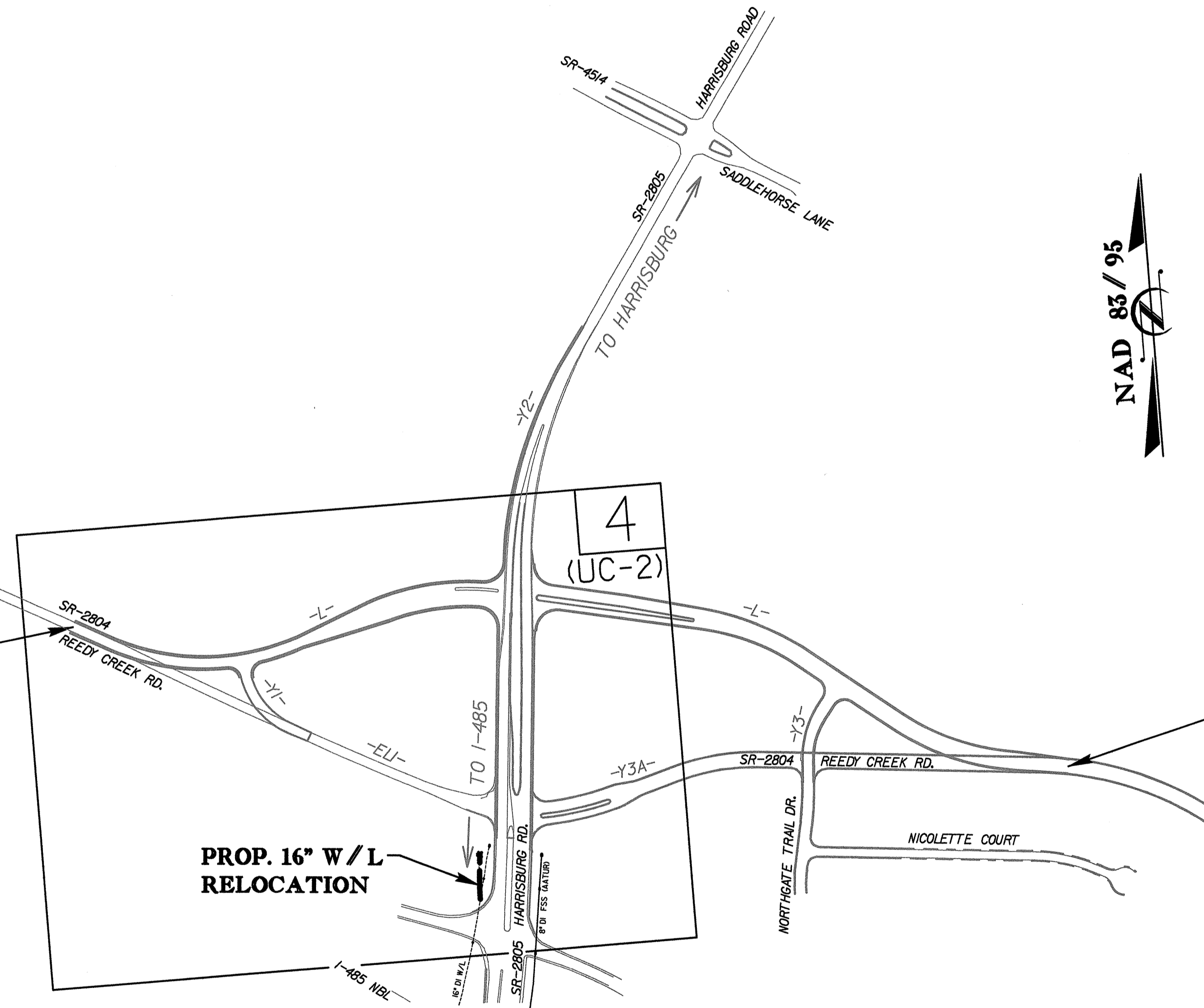
TYPE OF WORK: UTILITY CONSTRUCTION



VICINITY MAP

BEGIN TIP PROJECT U-4401
-L- STA. 10 + 00.00

END TIP PROJECT U-4401
-L- STA. 34 + 39.97



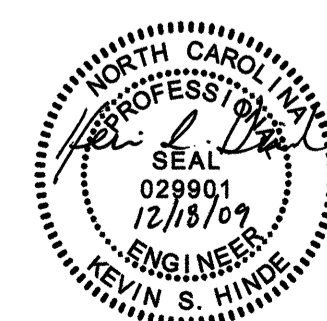
INDEX OF SHEETS

| SHEET NO. | DESCRIPTION |
|-----------|---------------------------------|
| UC-1 | TITLE SHEET |
| UC-2 | UTILITY CONSTRUCTION PLAN SHEET |

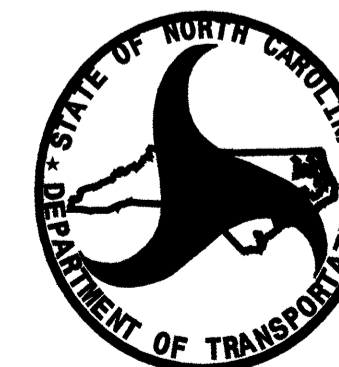
WATER AND SEWER OWNERS ON PROJECT

- (1) CHARLOTTE-MECKLENBURG UTILITIES
- (2) UTILITIES, INC.

SEAL:



7620 E. Independence Blvd., Suite 230 Charlotte, NC 28227



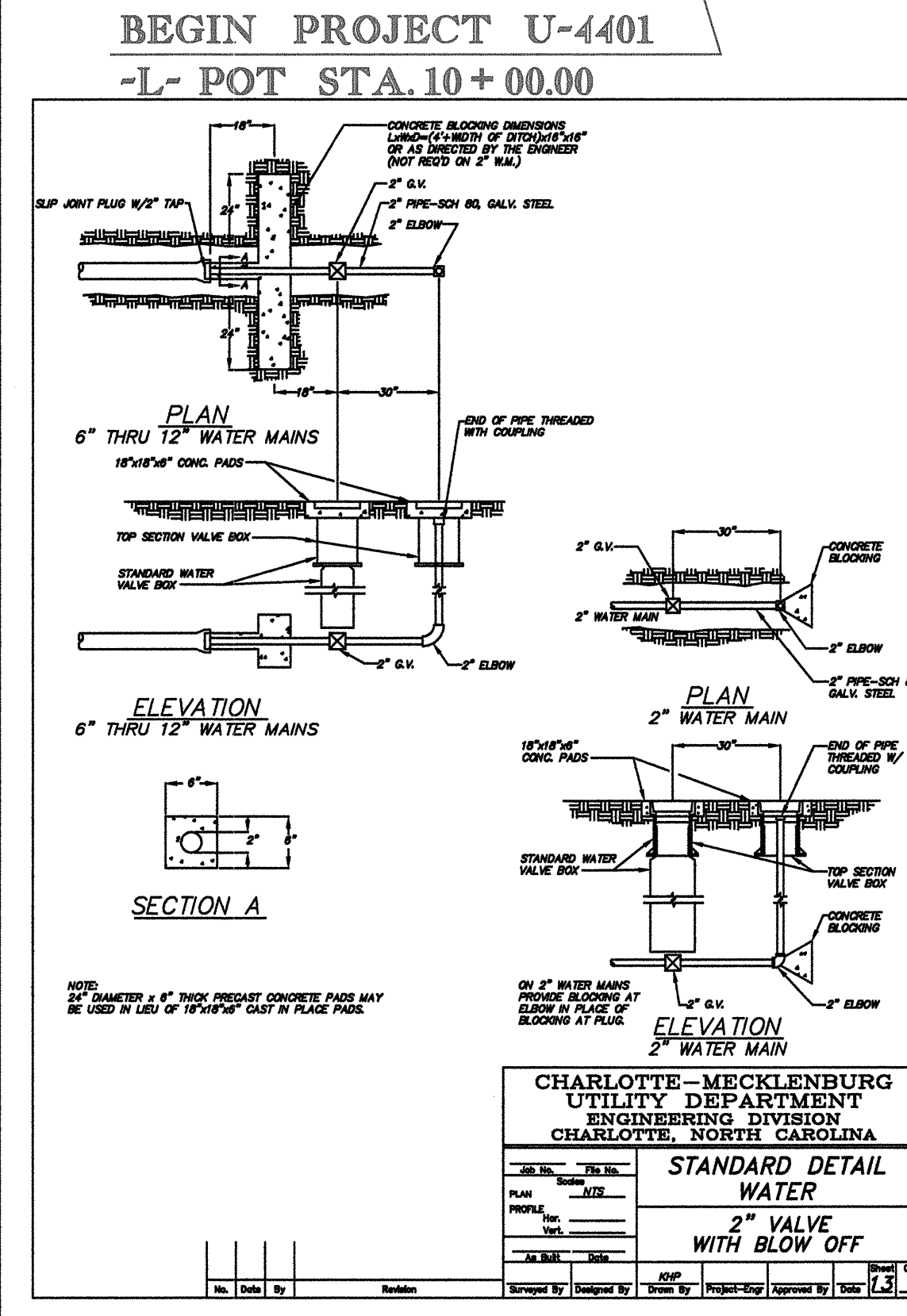
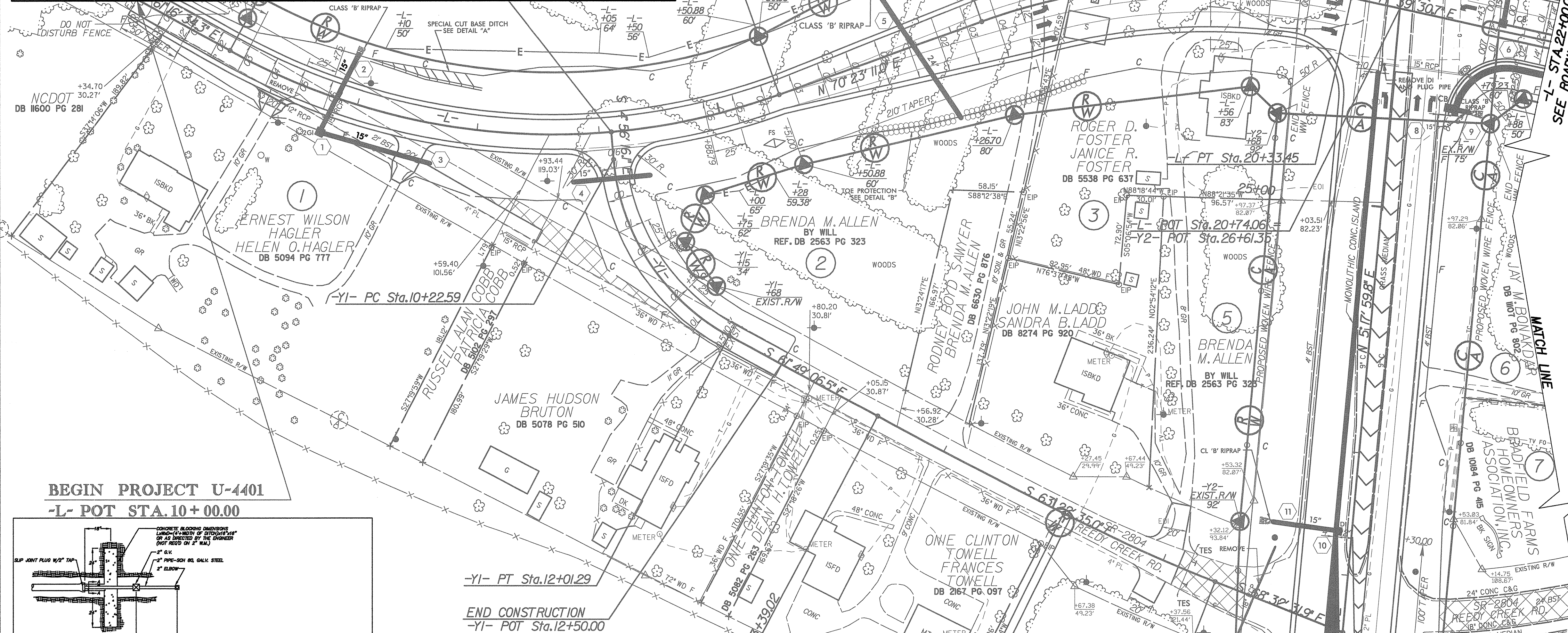
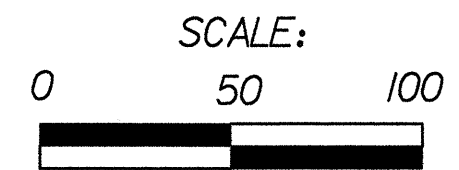
PREPARED IN THE OFFICE OF:
**DIVISION OF HIGHWAYS
 PROJECT SERVICES
 UTILITY SECTION**
 1591 MAIL SERVICES CENTER
 RALEIGH NC 27699-1591
 PHONE (919) 250-4128
 FAX (919) 250-4119

Roger Worthington, P.E. UTILITIES SECTION ENGINEER
Corey Bousquet, P.E. UTILITIES SQUAD LEADER PROJECT ENGINEER
Kevin S. Hinde, P.E. UTILITIES PROJECT DESIGNER

- GENERAL NOTES:**
1. THE PROPOSED UTILITY CONSTRUCTION SHALL MEET THE APPLICABLE REQUIREMENTS OF THE NC DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES" DATED JULY 2006, THE STANDARDS DETAILS AS SHOWN ON PLANS, AND THE PROJECT SPECIAL PROVISIONS FOR UTILITY CONSTRUCTION.
 2. ALL 12-INCH AND SMALLER DIAMETER PIPE SHALL BE DUCTILE IRON PRESSURE CLASS 350, UNLESS OTHERWISE NOTED ON UTILITY CONSTRUCTION PLANS.
 3. ALL 16-INCH AND LARGER DIAMETER PIPE SHALL BE DUCTILE IRON PRESSURE CLASS 250, UNLESS OTHERWISE NOTED ON UTILITY CONSTRUCTION PLANS.
 4. VALVES ON WATER MAINS SMALLER THAN 16-INCH IN DIAMETER SHALL BE DIRECT BURY GATE VALVES, UNLESS OTHERWISE NOTED ON UTILITY CONSTRUCTION PLANS.
 5. VALVES ON WATER MAINS 16-INCHES IN DIAMETER AND LARGER SHALL BE BUTTERFLY VALVES, UNLESS OTHERWISE NOTED ON UTILITY CONSTRUCTION PLANS.
 6. DUCTILE IRON RESTRAINED JOINT PIPE SHALL BE USED IN LIEU OF THRUST BLOCKING ON PROPOSED WATER LINE RELOCATIONS.
 7. WALL BLOCKING SHALL BE USED ON EXISTING WATER LINES AT THE PROPOSED RELOCATION TIE IN POINTS.
 8. CONTRACTOR SHALL CONNECT ALL WATER LINES AND SERVICE CONNECTIONS USING NECESSARY FITTINGS.

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| PROJECT REFERENCE NO. | U-4401 | SHEET NO. | UC-2 |
| DESIGNED BY: | CLS | | |
| DRAWN BY: | JNA | | |
| CHECKED BY: | KSH | | |
| APPROVED BY: | | | |
| REVISED: | | NORTH CAROLINA DEPARTMENT OF TRANSPORTATION PROJECT SERVICES UNIT PHONE: (919) 250-4128 FAX: (919) 250-4119 | |

UTILITY CONSTRUCTION



APPLICATION FOR PERMIT FOR WATER MAIN EXTENSION

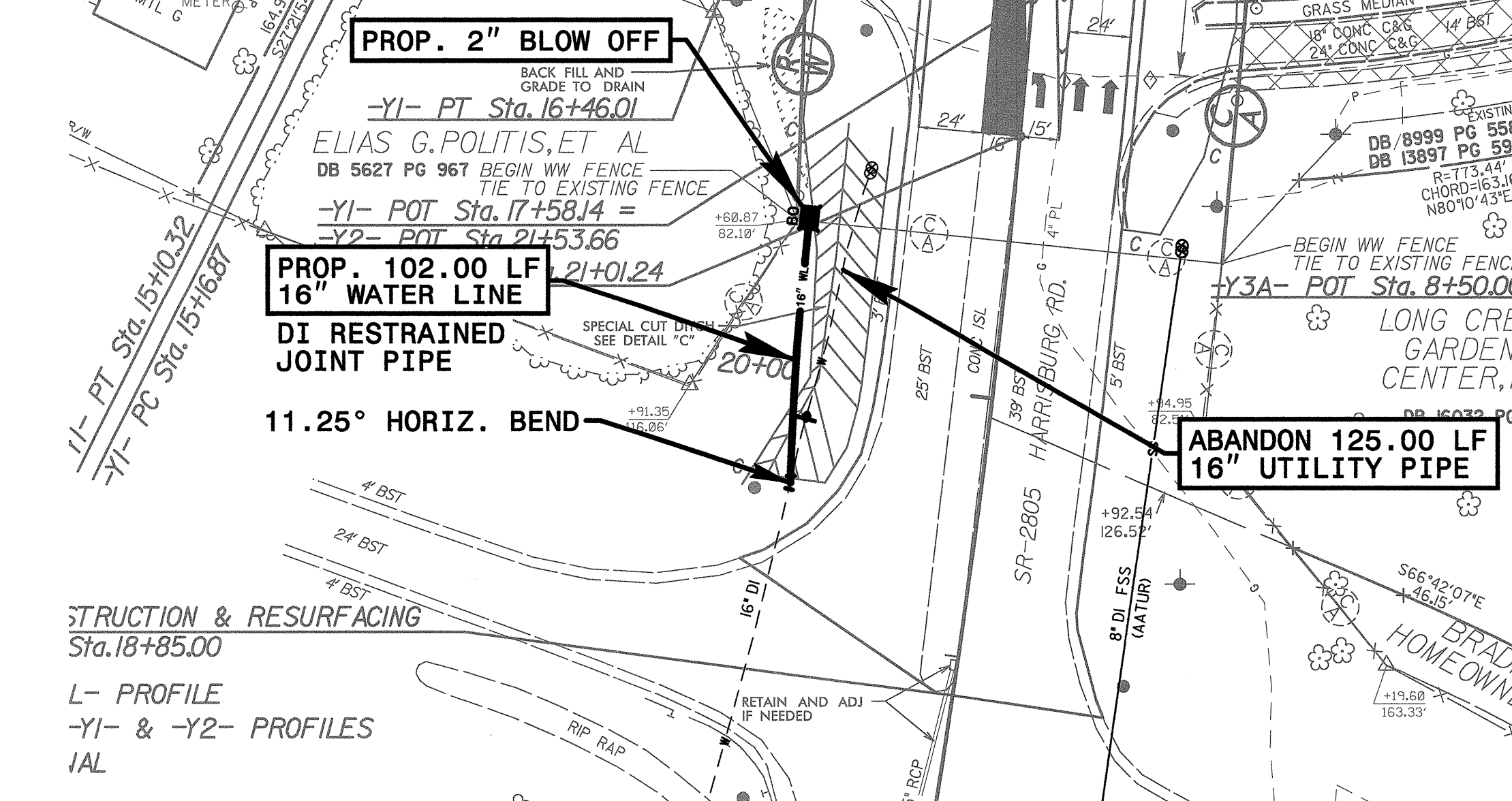
PROJECT NAME: U-4401 / REEDY CREEK RD & HARRISBURG RD INTERSECTION REALIGNMENT
 CMU PROJECT NO.: 529-09-115

PROJECT DESCRIPTION: 102 LF 16\"/>

DESIGNED BY: FIRM: HINDE ENGINEERING, INC.
 ENGINEER: KEVIN S. HINDE, P.E. DESIGNED BY: CLINT L. STEVENS
 ADDRESS: 7520 E. INDEPENDENCE BLVD., SUITE 230
 CHARLOTTE, NORTH CAROLINA 28227
 PHONE: 704-814-4407

THIS APPLICATION IS MADE UNDER AND IN FULL ACCORD WITH THE PROVISIONS OF CHAPTER 130A-317 OF THE NORTH CAROLINA GENERAL STATUTES, AND SUCH OTHER STATUTES AS RELATED TO PUBLIC WATER SYSTEMS. CMU HAS BEEN GRANTED AUTHORITY TO ISSUE PERMITS FOR EXTENSION OF WATER MAINS PURSUANT TO ISA NCAC 18C.180.1. THE APPLICANT AGREES THAT NO SIGNIFICANT CHANGE OR DEVIATION FROM THE PLANS AND SPECIFICATIONS APPROVED BY CMU WILL BE MADE WITHOUT THE WRITTEN CONSENT AND APPROVAL OF CMU OR ITS AUTHORIZED REPRESENTATIVE. A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF NORTH CAROLINA SHALL SUBMIT A STATEMENT REFLECTING THAT ADEQUATE OBSERVATIONS DURING AND UPON COMPLETION OF CONSTRUCTION INDICATES THAT CONSTRUCTION WAS COMPLETED IN ACCORDANCE WITH APPROVED PLANS AND SPECIFICATIONS.

PERMIT NO. 409-082
 APPROVED: *Barry Shearin* DATE 12/22/09
 BARRY SHEARIN, P.E., CHIEF ENGINEER
 CHARLOTTE MECKLENBURG UTILITIES
 5100 BROOKSHIRE BLVD.
 CHARLOTTE, NORTH CAROLINA 28216



12/22/09

NORTH CAROLINA DEPT. OF TRANSPORTATION ENGINEERING DIVISION RALEIGH, NORTH CAROLINA

SR 2804 (REEDY CREEK ROAD) AND SR 2805 (HARRISBURG ROAD) INTERSECTION REALIGNMENT

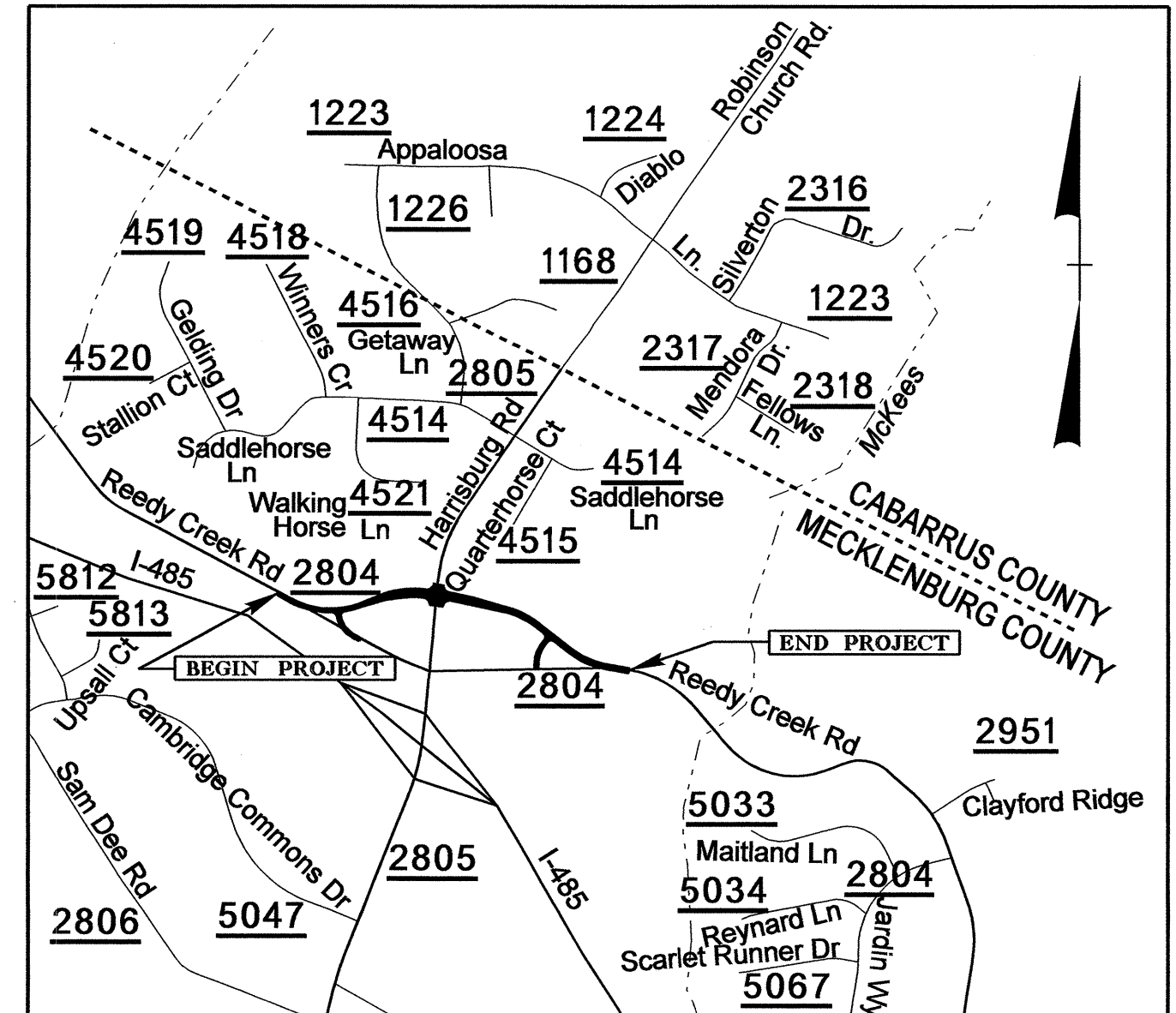
| | | | | |
|--------------|-------------|----------|--------|------|
| Designed By: | Checked By: | Date: | Sheet: | Of: |
| CLS | KSH | 12-17-09 | UC-2 | UC-2 |

HINDE ENGINEERING
 License No. C-2639
 7520 E. Independence Blvd., Suite 230 Charlotte, NC 28227

09/08/99

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|------------|-----------|
| T.I.P. NO. | SHEET NO. |
| U-4401 | UO-1 |

TIP PROJECT: U-4401

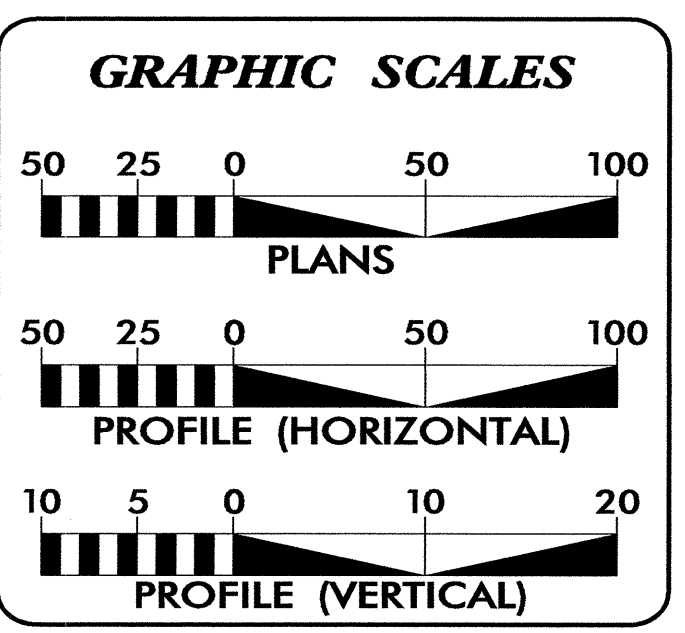
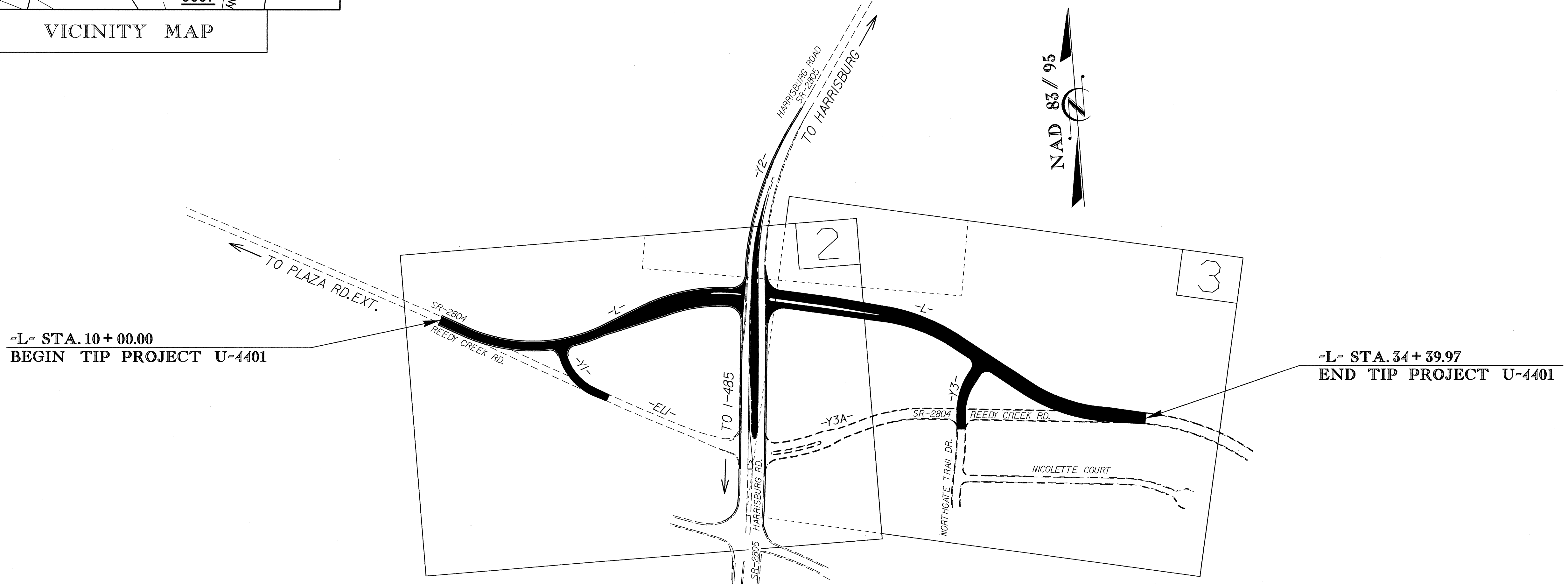


VICINITY MAP

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

**UTILITIES BY OTHERS PLANS
MECKLENBURG COUNTY**

LOCATION: REEDY CREEK ROAD AT HARRISBURG ROAD
TYPE OF WORK: GAS, POWER, TELEPHONE, AND CATV RELOCATION



INDEX OF SHEETS

| SHEET NO. | DESCRIPTION |
|------------|-------------|
| UO-1 | TITLE SHEET |
| UO-2, UO-3 | PLAN SHEETS |

UTILITY OWNERS ON PROJECT

- PIEDMONT NATURAL GAS: NATURAL GAS
- AT&T: TELEPHONE
- TIME WARNER: CABLE TELEVISION
- DUKE ENERGY: POWER

PREPARED IN THE OFFICE OF:
**DIVISION OF HIGHWAYS
UTILITIES ENGINEERING
SECTION**

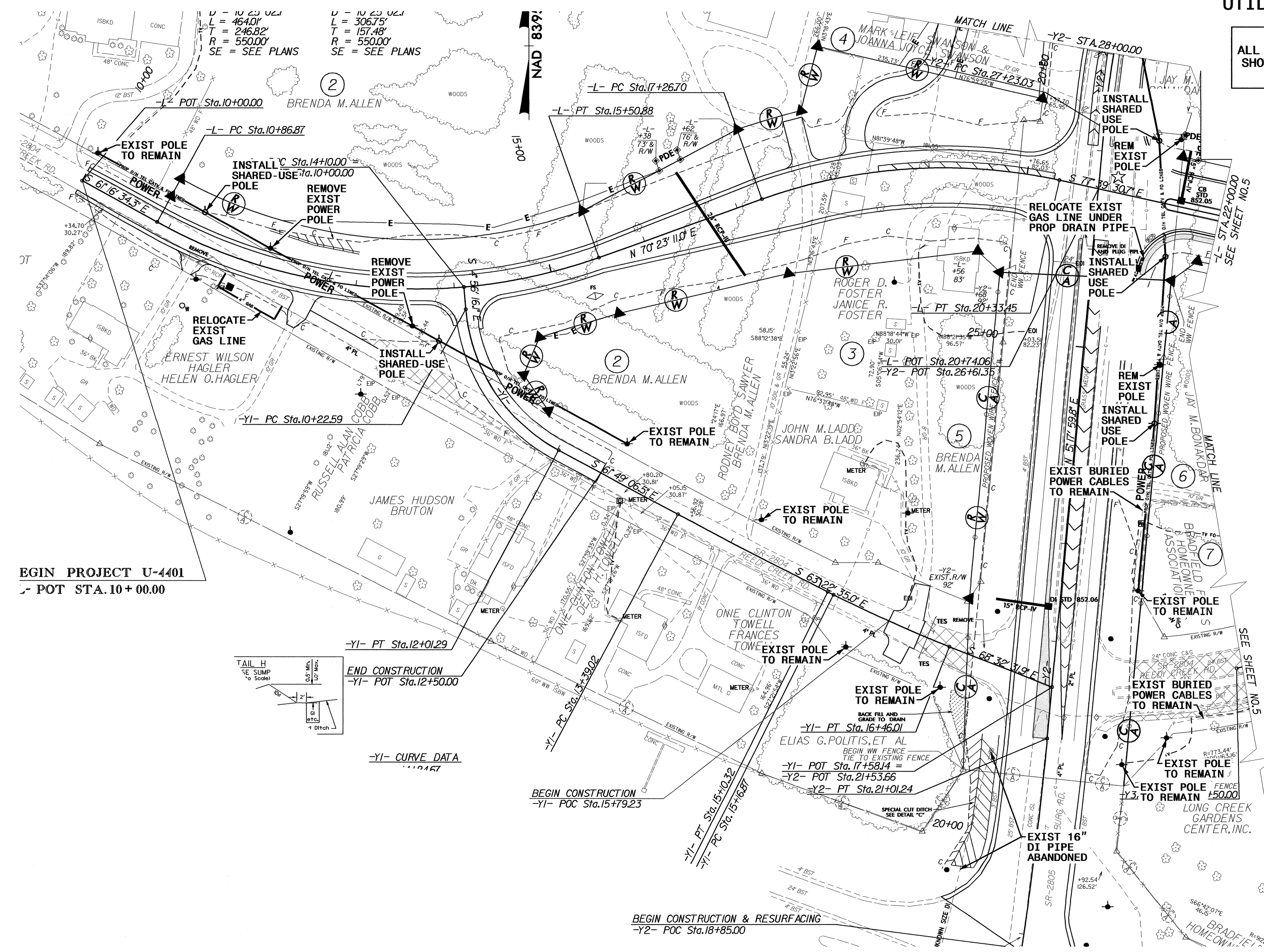
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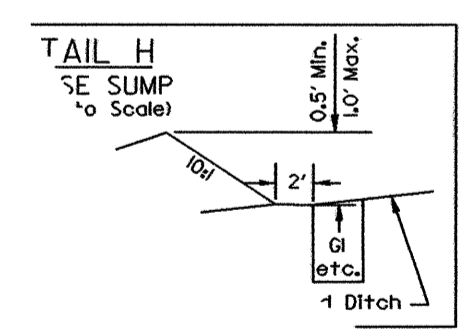
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UTILITIES BY OTHERS

NOTE:
ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS



EGIN PROJECT U-4401
-Y- POT STA. 10+00.00



END CONSTRUCTION
-YI- POT Sta. 12+50.00

-YI- CURVE DATA
119.467

BEGIN CONSTRUCTION
-YI- POC Sta. 15+79.23

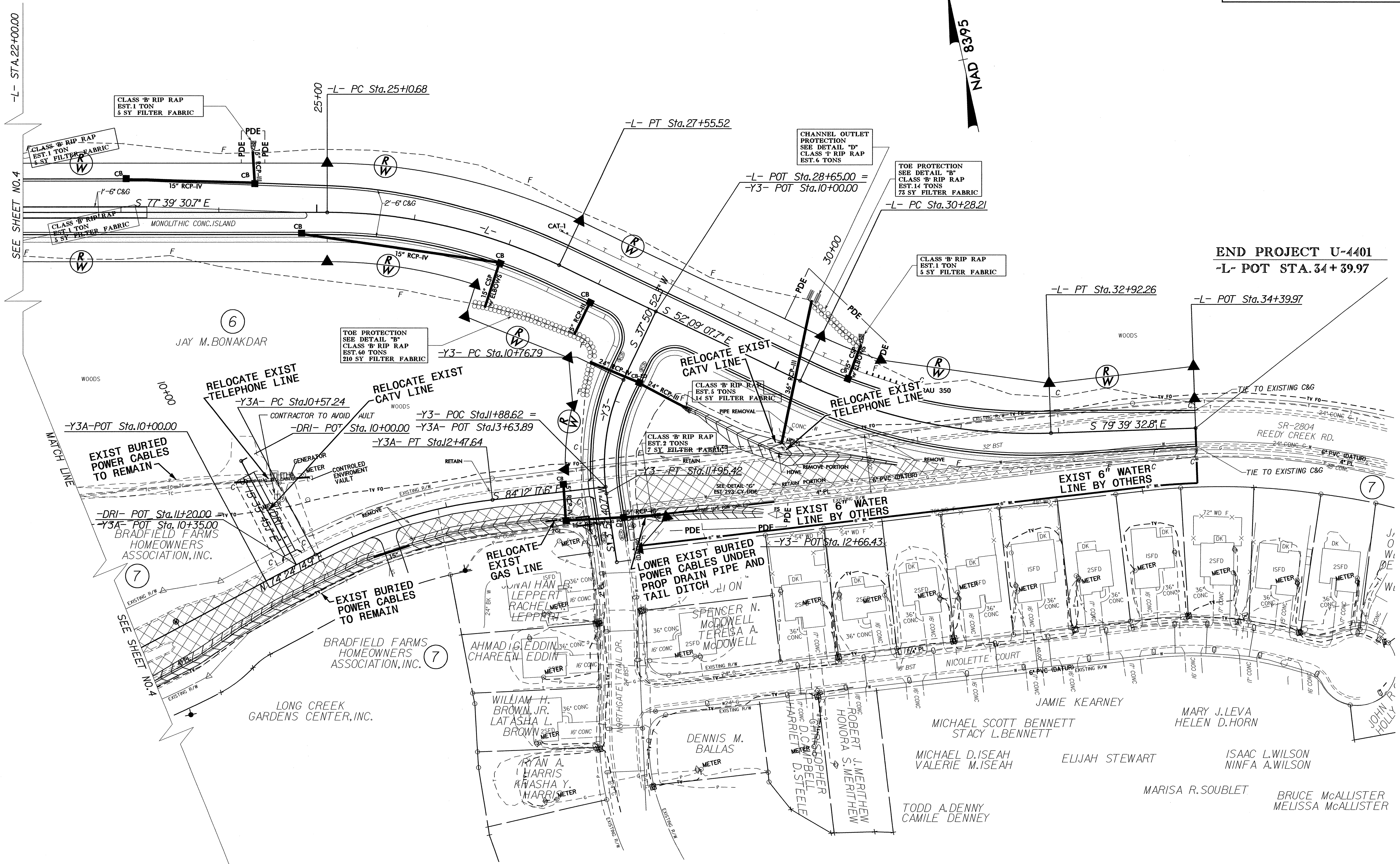
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-Y2- POC Sta. 18+85.00

8/17/99
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\$\$\$\$\$USERSRNAME\$\$\$\$\$

8/17/99

UTILITIES BY OTHERS

NOTE:
ALL PROPOSED UTILITY WORK
SHOWN ON THIS SHEET WILL
BE DONE BY OTHERS



END PROJECT U-4401
-L- POT STA. 34 + 39.97

SEE SHEET NO. 4

SEE SHEET NO. 4

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