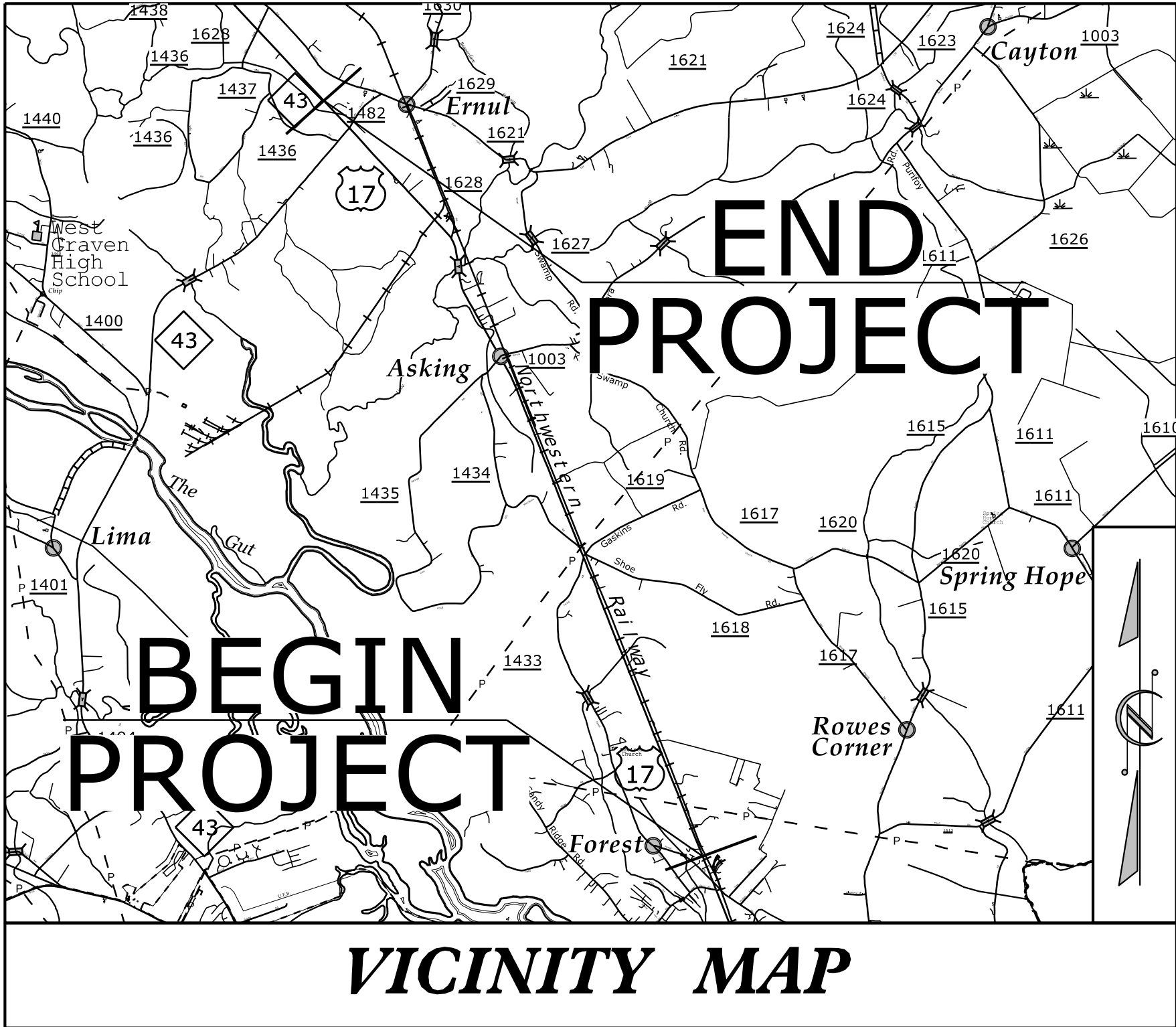


TIP PROJECT: R-3403B

CONTRACT:

See Sheet 1A For Index of Sheets



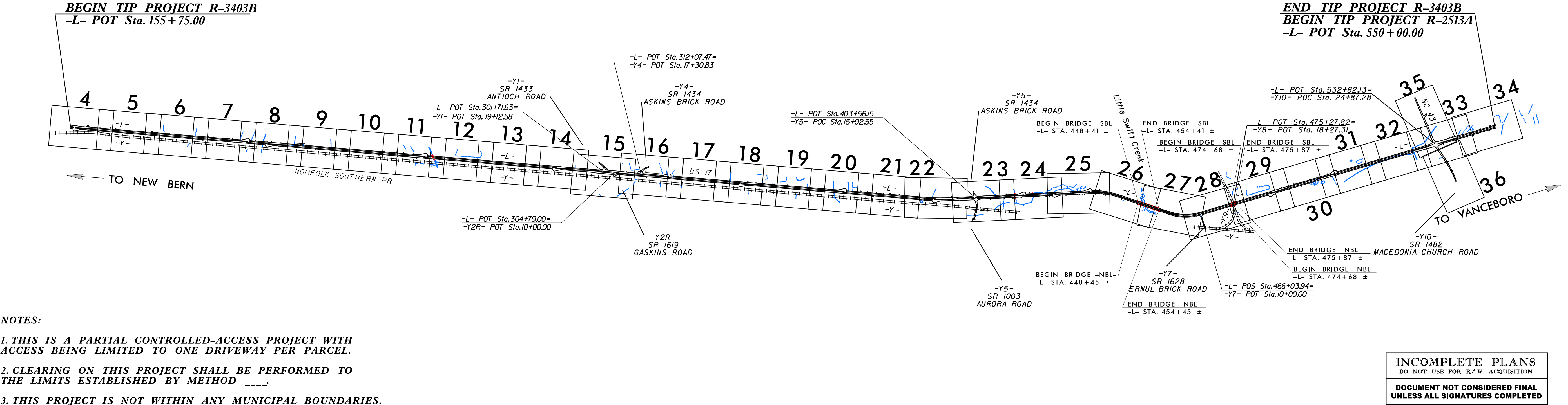
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS  
**CRAVEN COUNTY**

LOCATION: US 17 FROM SR 1433 (ANTIOCH RD.) TO NC 43

TYPE OF WORK: GRADING, PAVING, DRAINAGE, AND STRUCTURES

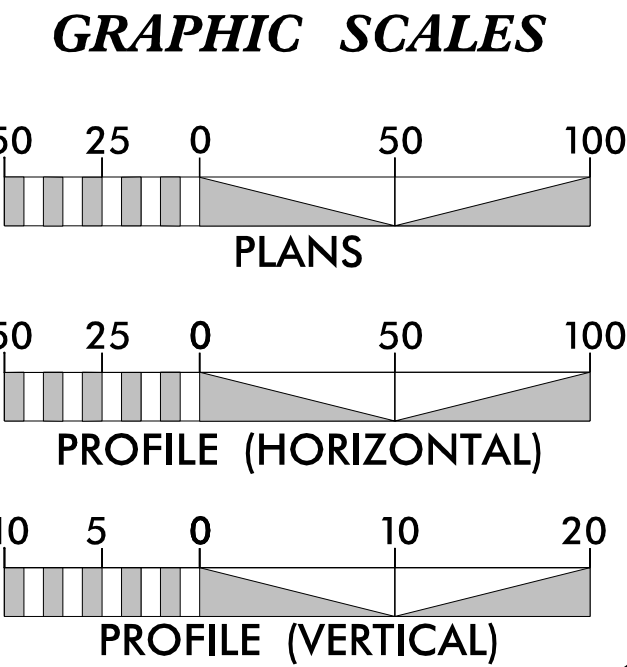
| STATE           | STATE PROJECT REFERENCE NO. | SHEET NO.   | TOTAL SHEETS |
|-----------------|-----------------------------|-------------|--------------|
| N.C.            | R-3403B                     | 1           |              |
| STATE PROJ. NO. | F.A. PROJ. NO.              | DESCRIPTION |              |
|                 |                             |             |              |
|                 |                             |             |              |
|                 |                             |             |              |
|                 |                             |             |              |
|                 |                             |             |              |
|                 |                             |             |              |

REDLINE DRAINAGE PLANS – 4B



- NOTES:
1. THIS IS A PARTIAL CONTROLLED-ACCESS PROJECT WITH ACCESS BEING LIMITED TO ONE DRIVEWAY PER PARCEL.
  2. CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD \_\_\_\_.
  3. THIS PROJECT IS NOT WITHIN ANY MUNICIPAL BOUNDARIES.

INCOMPLETE PLANS  
DO NOT USE FOR R/W ACQUISITION  
DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



| DESIGN DATA    |                |
|----------------|----------------|
| ADT 2020 =     | 9,900          |
| ADT 2040 =     | 12,200         |
| K =            | 9 %            |
| D =            | 55 %           |
| T =            | 14 % *         |
| V =            | 60 MPH         |
| * TTST =       | 8% DUAL = 6%   |
| FUNC CLASS =   | RURAL ARTERIAL |
| STATEWIDE TIER |                |

| PROJECT LENGTH                       |               |
|--------------------------------------|---------------|
| LENGTH ROADWAY TIP PROJECT R-3403B   | = 7.317 MILES |
| LENGTH STRUCTURE TIP PROJECT R-3403B | = 0.136 MILES |
| TOTAL LENGTH TIP PROJECT R-3403B     | = 7.453 MILES |

Prepared In the Office of:

**Michael Baker International**

**Michael Baker Engineering, Inc.**  
8000 Regency Parkway, Suite 600  
Cary, NC 27518  
Professional Corporation License Number: F-1084

**FOR DIVISION OF HIGHWAYS**

**TODD H. BUCKNER, P.E.**  
PROJECT ENGINEER

**RICK STATON**  
PROJECT DESIGN ENGINEER

**BILL KINCANNON, P.E.**  
NCDOT DIVISION 2 CONTACT

**RIGHT OF WAY DATE:**  
FEBRUARY 15, 2019

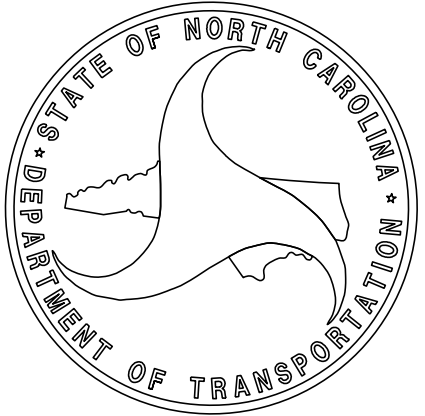
**LETTING DATE:**  
FEBRUARY 18, 2020

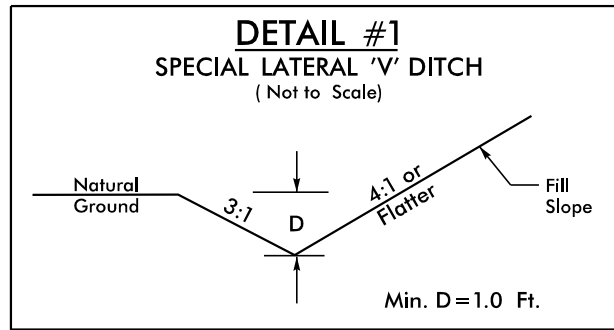
**HYDRAULICS ENGINEER**

SIGNATURE: \_\_\_\_\_ P.E.

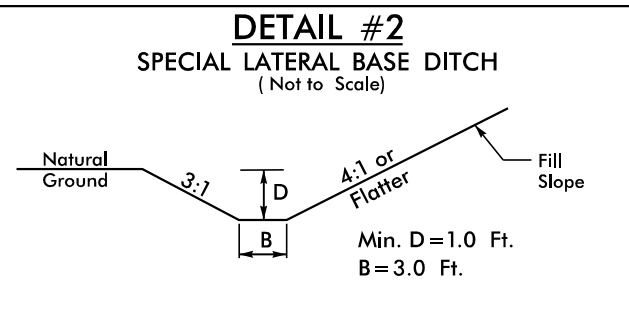
**ROADWAY DESIGN ENGINEER**

SIGNATURE: \_\_\_\_\_ P.E.

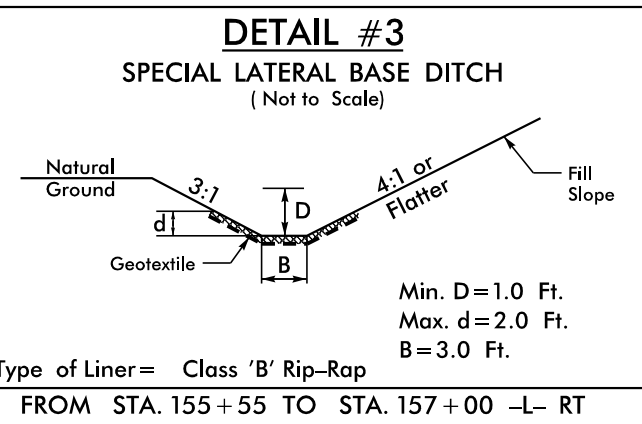




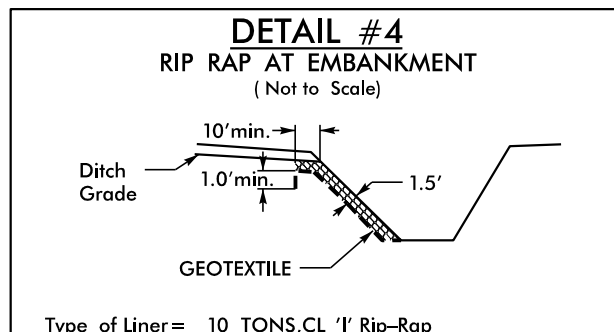
FROM STA. 159+00 TO STA. 170+00 -L- LT  
FROM STA. 170+00 TO STA. 173+00 -L- RT  
FROM STA. 178+50 TO STA. 184+00 -L- RT  
FROM STA. 179+00 TO STA. 189+85 -L- LT  
FROM STA. 185+50 TO STA. 191+80 -L- RT  
FROM STA. 192+50 TO STA. 196+00 -L- RT  
FROM STA. 195+00 TO STA. 201+00 -L- LT  
FROM STA. 192+50 TO STA. 196+00 -L- RT  
FROM STA. 198+00 TO STA. 204+80 -L- RT  
FROM STA. 203+50 TO STA. 205+20 -L- LT  
FROM STA. 205+25 TO STA. 206+30 -L- LT  
FROM STA. 206+60 TO STA. 208+40 -L- LT  
FROM STA. 207+00 TO STA. 208+20 -L- RT  
FROM STA. 208+60 TO STA. 210+60 -L- LT  
FROM STA. 210+00 TO STA. 212+80 -L- RT  
FROM STA. 210+95 TO STA. 213+20 -L- LT  
FROM STA. 213+50 TO STA. 217+00 -L- LT  
FROM STA. 217+10 TO STA. 218+70 -L- LT  
FROM STA. 225+50 TO STA. 227+75 -L- RT  
FROM STA. 219+50 TO STA. 227+02 -L- LT  
FROM STA. 238+00 TO STA. 255+40 -L- RT  
FROM STA. 245+10 TO STA. 249+50 -L- LT  
FROM STA. 302+00 TO STA. 304+30 -L- RT  
FROM STA. 305+30 TO STA. 310+00 -L- RT  
FROM STA. 302+25 TO STA. 304+50 -L- LT  
FROM STA. 310+00 TO STA. 313+30 -L- RT  
FROM STA. 312+50 TO STA. 317+85 -L- LT  
FROM STA. 313+60 TO STA. 338+50 -L- RT  
FROM STA. 336+50 TO STA. 351+00 -L- LT  
FROM STA. 339+00 TO STA. 358+00 -L- RT  
FROM STA. 380+25 TO STA. 398+00 -L- LT  
FROM STA. 385+00 TO STA. 391+50 -L- RT  
FROM STA. 394+00 TO STA. 396+50 -L- RT  
FROM STA. 404+50 TO STA. 408+50 -L- LT  
FROM STA. 411+08 TO STA. 411+90 -L- LT  
FROM STA. 16+00 TO STA. 18+30 -Y1- RT  
FROM STA. 16+50 TO STA. 18+30 -Y1- LT  
FROM STA. 15+00 TO STA. 16+50 -Y4- LT



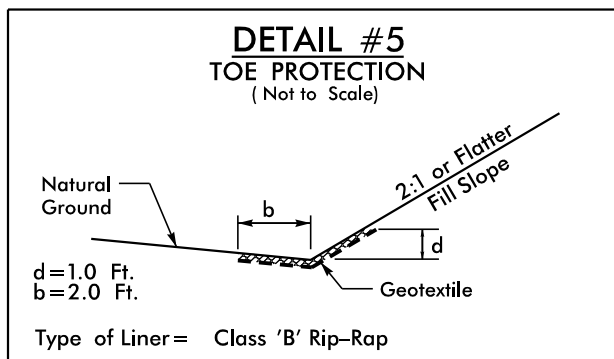
FROM STA. 157+00 TO STA. 170+00 -L- RT  
FROM STA. 208+40 TO STA. 210+00 -L- RT



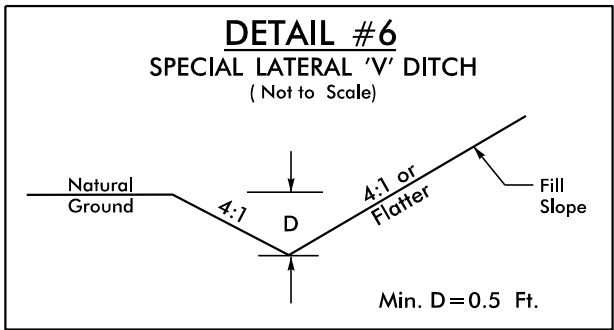
Type of Liner = Class 'B' Rip-Rap  
FROM STA. 155+55 TO STA. 157+00 -L- RT



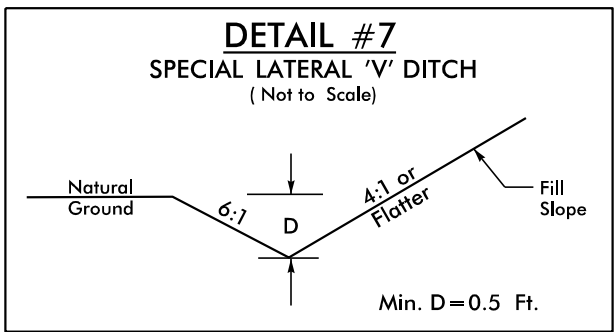
Type of Liner = 10 TONS, CL 'I' Rip-Rap  
Geotextile = 23-yr  
FROM STA. 155+50 TO STA. 155+55 -L- RT



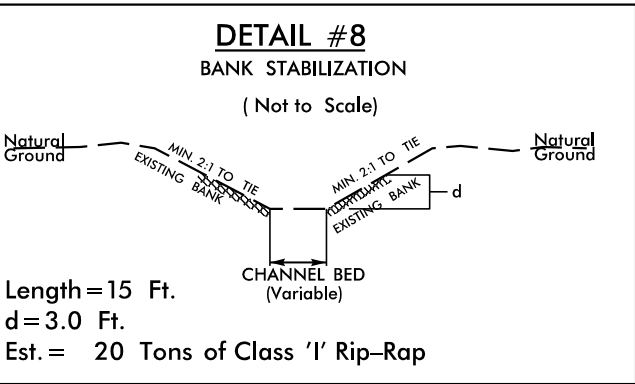
FROM STA. 184+00 TO STA. 185+50 -L- RT  
FROM STA. 223+00 TO STA. 225+00 -L- RT  
FROM STA. 227+80 TO STA. 236+50 -L- RT  
FROM STA. 255+60 TO STA. 256+50 -L- RT  
FROM STA. 272+70 TO STA. 287+50 -L- RT  
FROM STA. 292+50 TO STA. 299+00 -L- RT  
FROM STA. 413+50 TO STA. 414+25 -L- LT  
FROM STA. 414+00 TO STA. 414+35 -L- RT  
FROM STA. 414+60 TO STA. 415+00 -L- RT



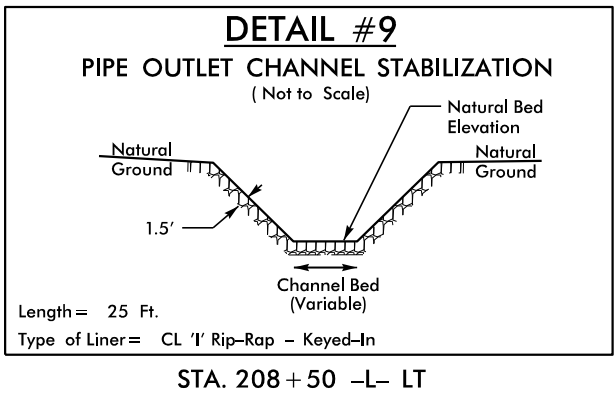
FROM STA. 213+30 TO STA. 222+60 -L- RT  
FROM STA. 299+00 TO STA. 302+00 -L- RT  
FROM STA. 381+50 TO STA. 385+00 -L- RT



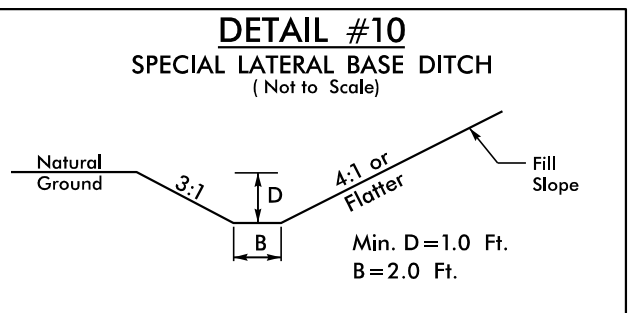
FROM STA. 196+00 TO STA. 198+00 -L- RT  
FROM STA. 204+80 TO STA. 207+00 -L- RT  
FROM STA. 219+00 TO STA. 219+50 -L- LT  
FROM STA. 236+50 TO STA. 238+00 -L- RT



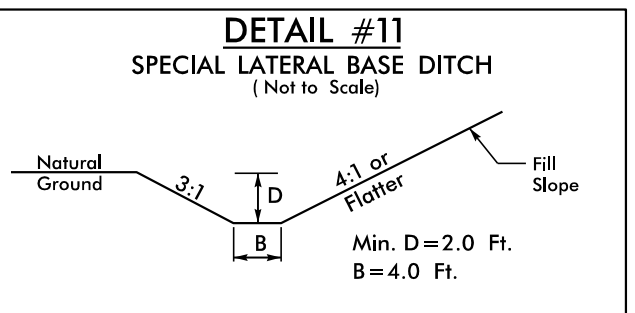
Length = 15 Ft.  
d = 3.0 Ft.  
Est. = 20 Tons of Class 'I' Rip-Rap  
STA. 208+30 -L- RT



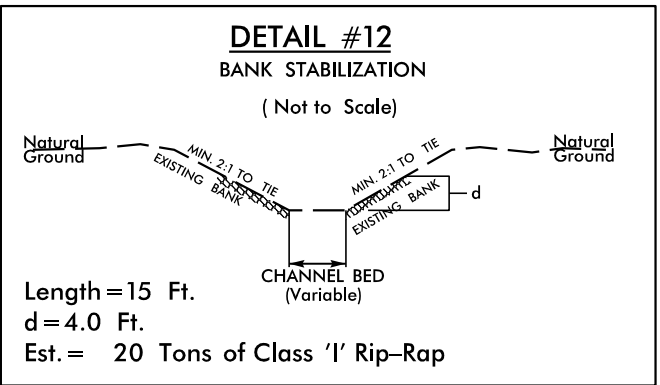
Length = 25 Ft.  
Type of Liner = CL 'I' Rip-Rap - Keyed-In  
STA. 208+50 -L- LT



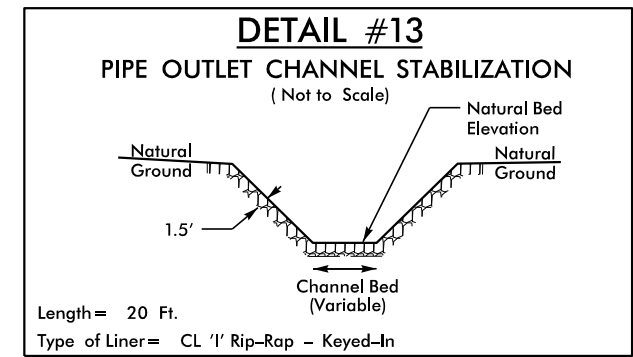
FROM STA. 227+02 TO STA. 239+00 -L- LT  
FROM STA. 241+70 TO STA. 244+80 -L- LT  
FROM STA. 331+70 TO STA. 336+50 -L- LT  
FROM STA. 351+00 TO STA. 353+50 -L- LT  
FROM STA. 408+50 TO STA. 411+08 -L- LT



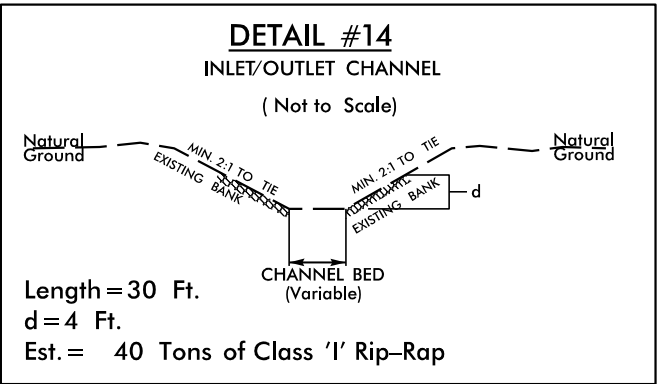
FROM STA. 15+95 TO STA. 16+55 -Y4- RT



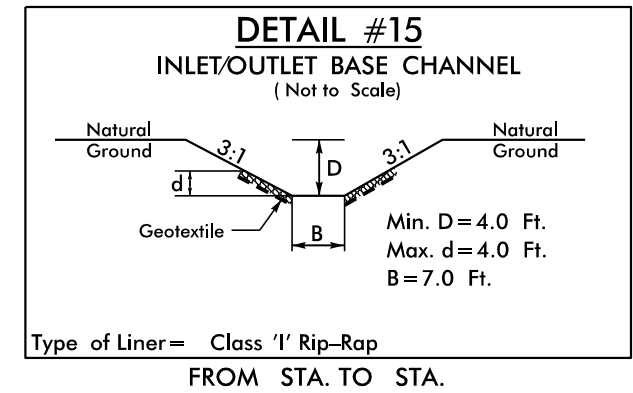
Length = 15 Ft.  
d = 4.0 Ft.  
Est. = 20 Tons of Class 'I' Rip-Rap  
STA. 20+90 -Y5- RT



Length = 20 Ft.  
Type of Liner = CL 'I' Rip-Rap - Keyed-In  
STA. 20+60 -Y5- LT



Length = 30 Ft.  
d = 4 Ft.  
Est. = 40 Tons of Class 'I' Rip-Rap  
FROM STA. TO STA.



Type of Liner = Class 'I' Rip-Rap  
FROM STA. TO STA.

|                                                                  |                     |
|------------------------------------------------------------------|---------------------|
| PROJECT REFERENCE NO.                                            | SHEET NO.           |
| R-3403B                                                          | 2D-1                |
| RW SHEET NO.                                                     |                     |
| ROADWAY DESIGN ENGINEER                                          | HYDRAULICS ENGINEER |
| DOCUMENT NOT CONSIDERED FINAL<br>UNLESS ALL SIGNATURES COMPLETED |                     |

PROJECT REFERENCE NO.  
**R-3403B**

SHEET NO.  
**4**

RW SHEET NO.

ROADWAY DESIGN ENGINEER

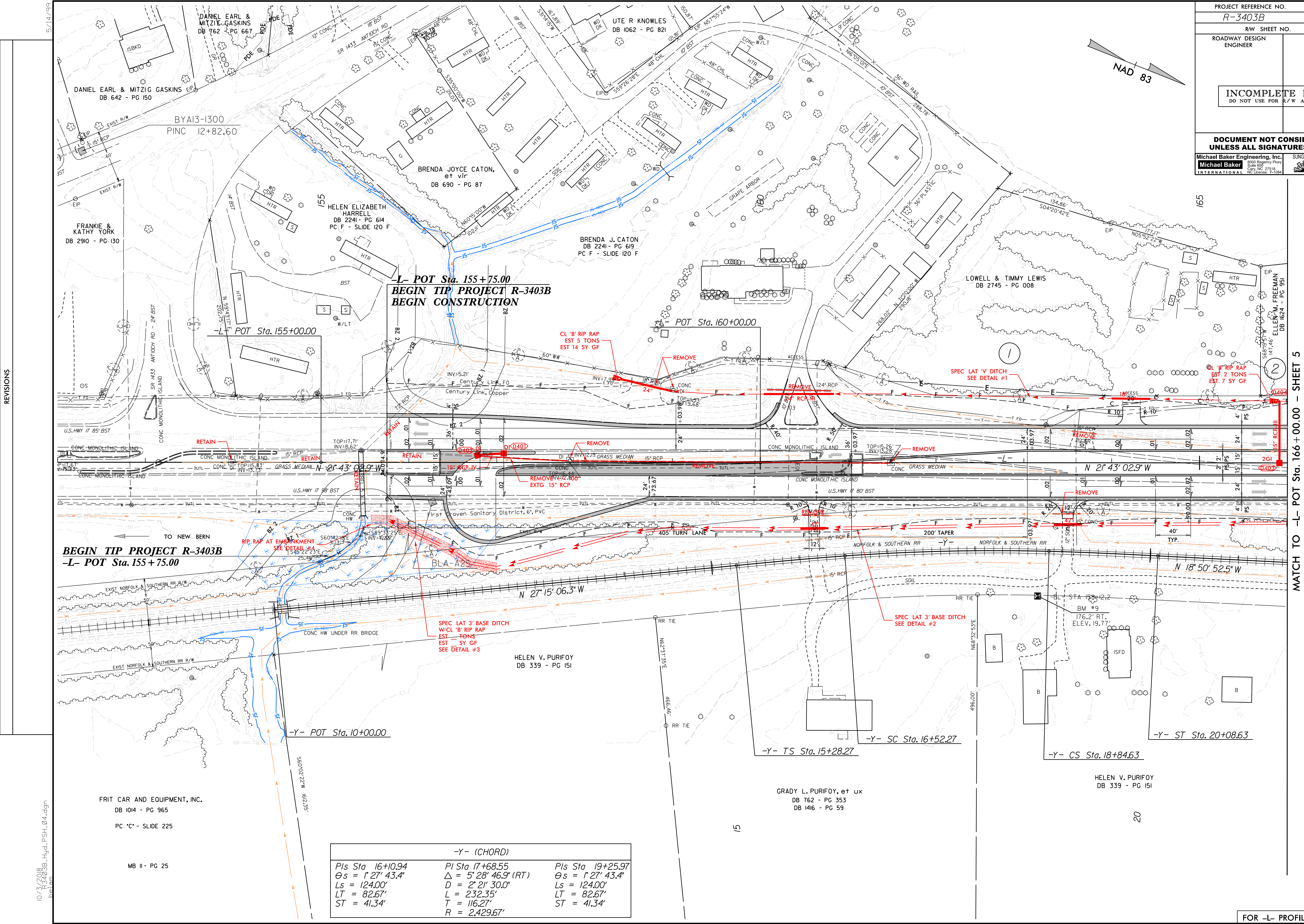
HYDRAULICS ENGINEER

INCOMPLETE PLANS  
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

Michael Baker Engineering, Inc.  
Michael Baker  
INTERNATIONAL

SUNGATE DESIGN GROUP, P.A.  
SUNGATE  
NC COA No. C-0880



MATCH TO -L- POT Sta. 166+00.00 - SHEET 5

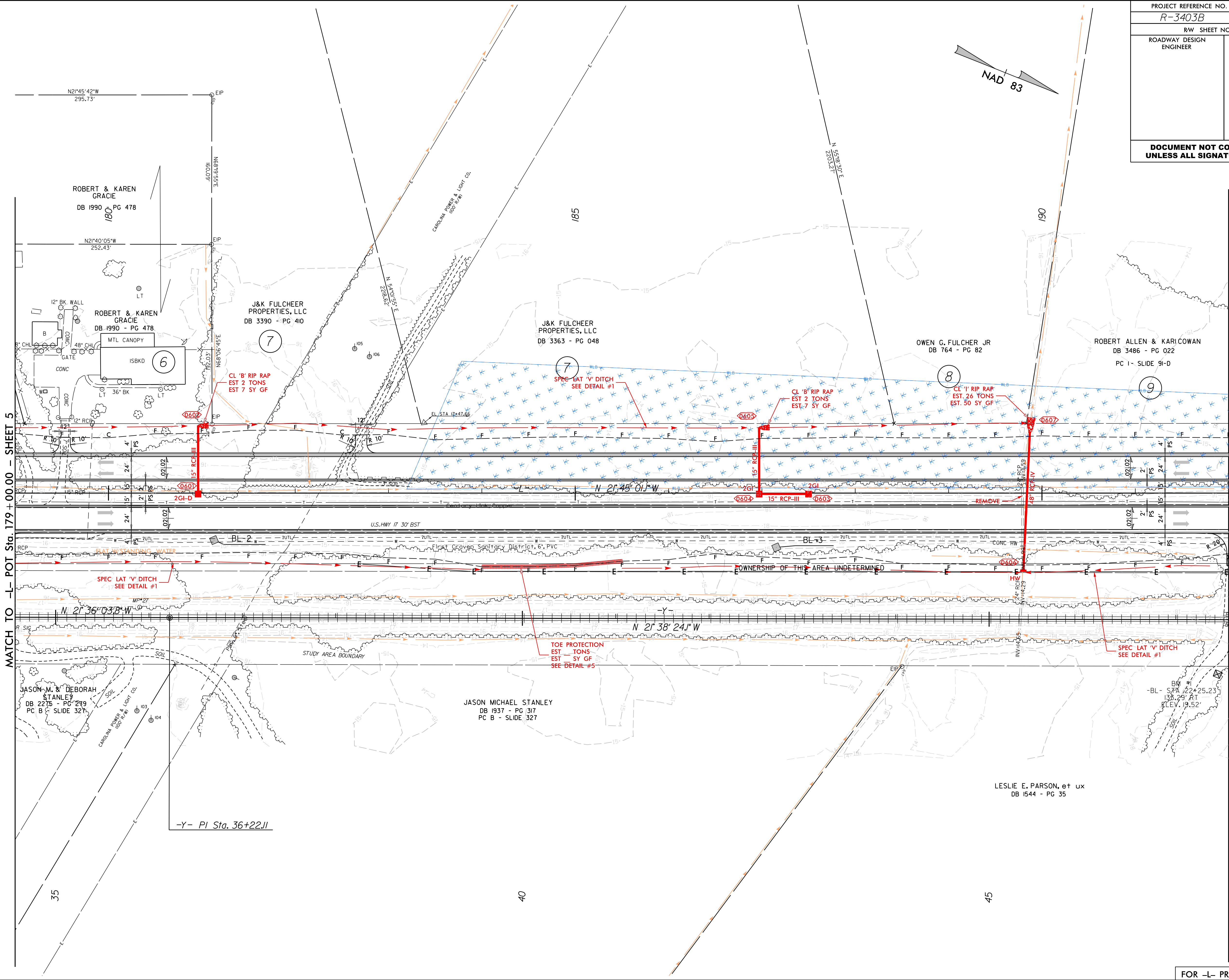
FOR -L- PROFILE SEE SHEET 37



10/3/2018  
R3403B-Hyd\_PSH\_05.dgn  
bejam

5/14/99

|                            |  |                        |
|----------------------------|--|------------------------|
| PROJECT REFERENCE NO.      |  | SHEET NO.              |
| R-3403B                    |  | 6                      |
| RW SHEET NO.               |  |                        |
| ROADWAY DESIGN<br>ENGINEER |  | HYDRAULICS<br>ENGINEER |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |



10/3/2018  
R-3403B\_Hyd\_PSH\_06.dgn  
b3403b

FOR -L- PROFILE SEE SHEET 38

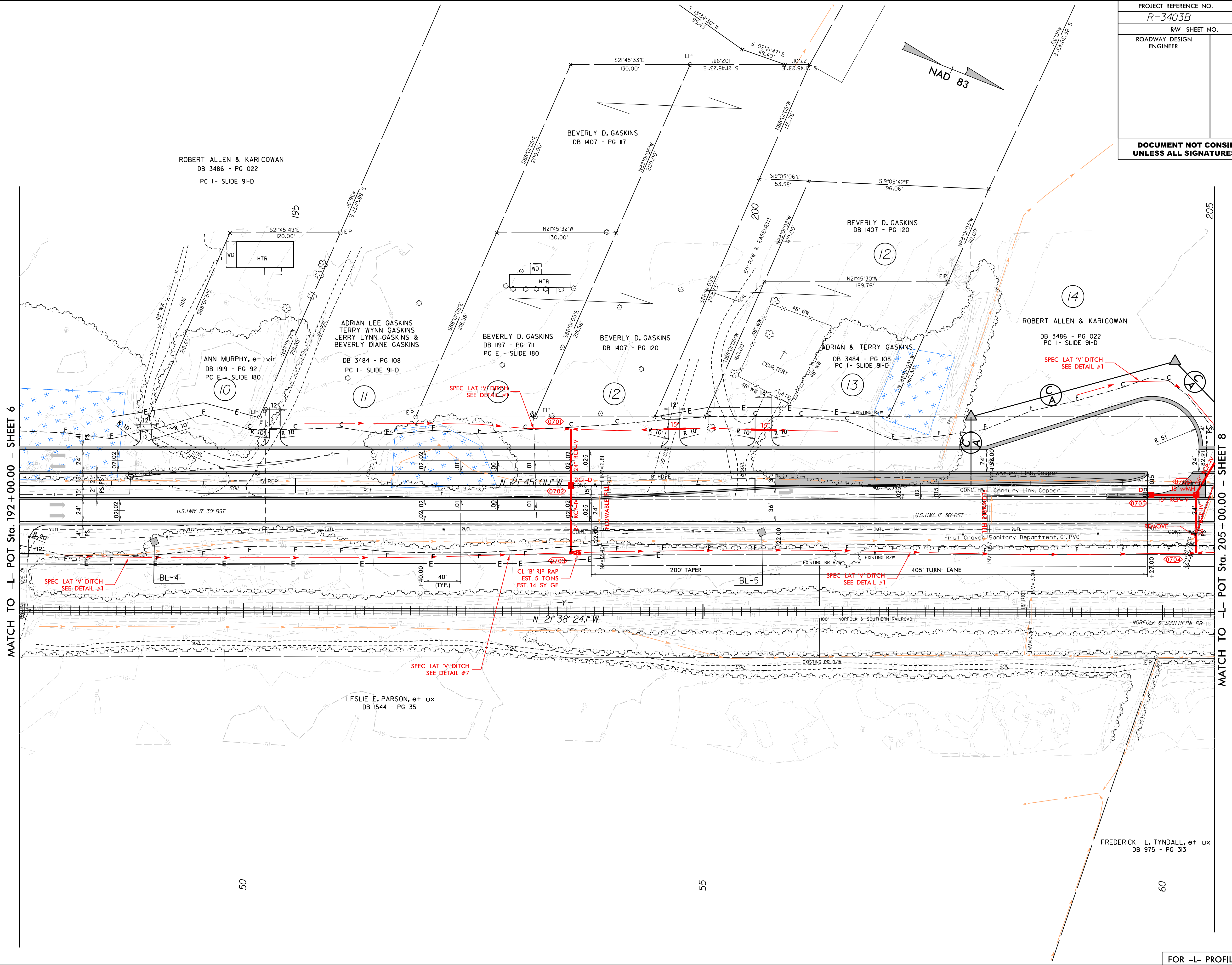
5/14/99

10/3/2018  
R3403B\_Hyd\_PSH\_07.dgn  
b31.m

MATCH TO -L- POT Sta. 192+00.00 - SHEET 6

MATCH TO -L- POT Sta. 205+00.00 - SHEET 8

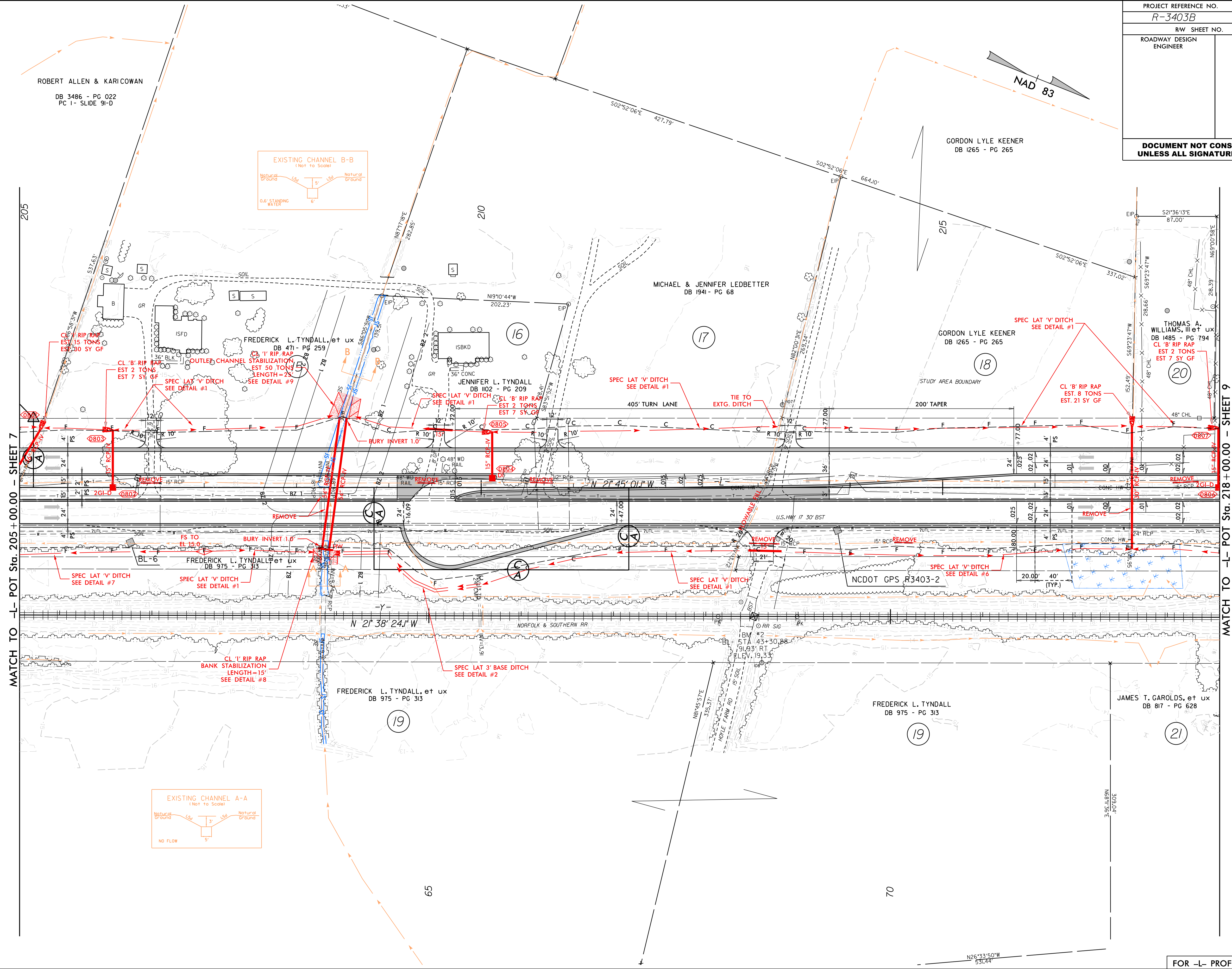
|                            |  |                        |
|----------------------------|--|------------------------|
| PROJECT REFERENCE NO.      |  | SHEET NO.              |
| R-3403B                    |  | 7                      |
| RW SHEET NO.               |  |                        |
| ROADWAY DESIGN<br>ENGINEER |  | HYDRAULICS<br>ENGINEER |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |



FOR -L- PROFILE SEE SHEET 38

5/14/99

10/3/2018  
R3403B\_Hyd\_PSH\_08.dgn  
bsh



|                                         |  |                        |
|-----------------------------------------|--|------------------------|
| PROJECT REFERENCE NO.<br><i>R-3403B</i> |  | SHEET NO.<br><i>8</i>  |
| RW SHEET NO.                            |  |                        |
| ROADWAY DESIGN<br>ENGINEER              |  | HYDRAULICS<br>ENGINEER |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |
|                                         |  |                        |

MATCH TO -L- POT Sta. 205 + 00.00 - SHEET 7

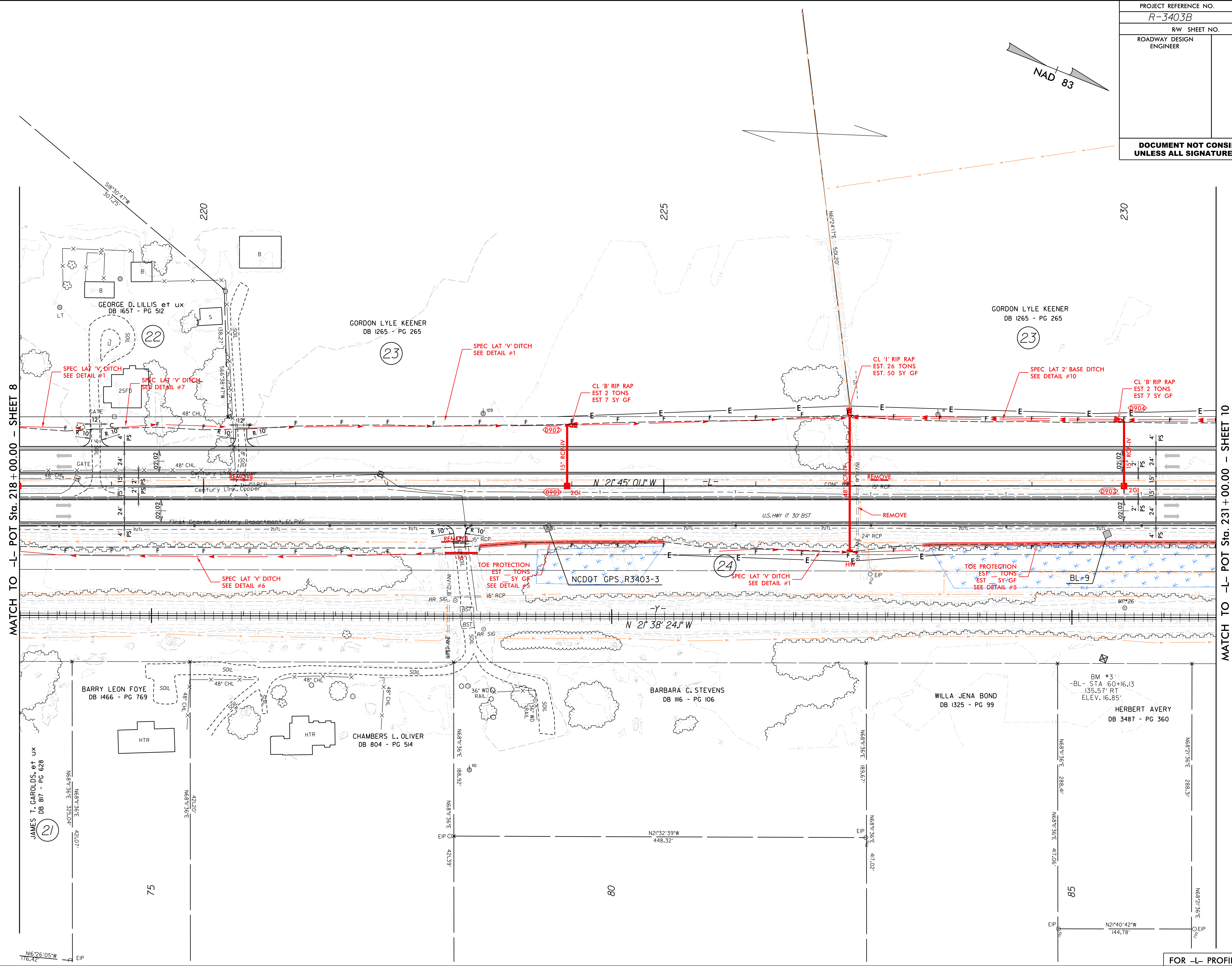
MATCH TO -L- POT Sta. 218 + 00.00 - SHEET 9

FOR -L- PROFILE SEE SHEET 39

5/14/99

10/3/2018  
R3403B\_Hyd\_PSH\_09.dgn  
b3a1m

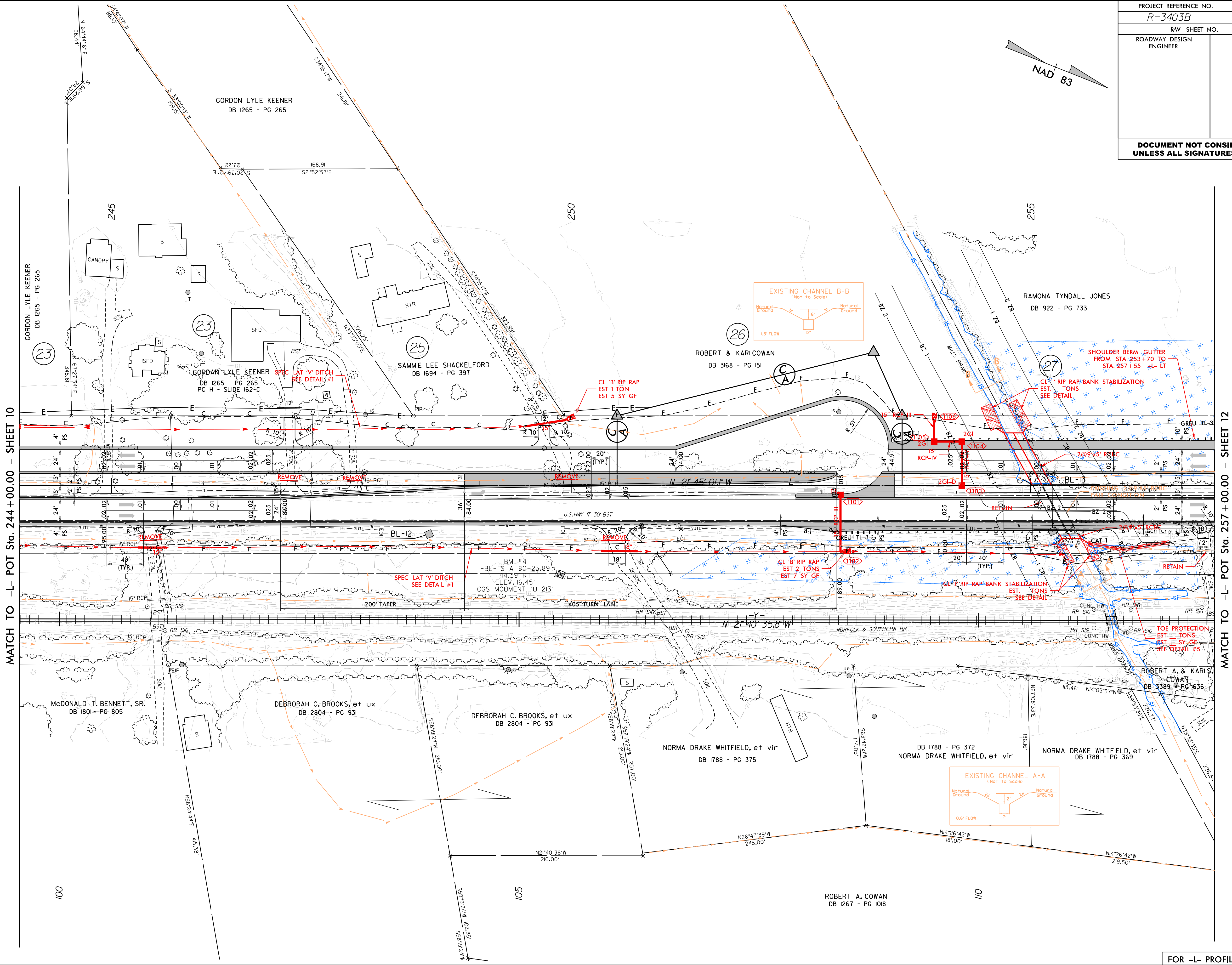
| PROJECT REFERENCE NO.                                            |  | SHEET NO.           |
|------------------------------------------------------------------|--|---------------------|
| R-3403B                                                          |  | 9                   |
| RW SHEET NO.                                                     |  |                     |
| ROADWAY DESIGN ENGINEER                                          |  | HYDRAULICS ENGINEER |
| DOCUMENT NOT CONSIDERED FINAL<br>UNLESS ALL SIGNATURES COMPLETED |  |                     |



FOR -L- PROFILE SEE SHEET 39



|                            |  |                        |
|----------------------------|--|------------------------|
| PROJECT REFERENCE NO.      |  | SHEET NO.              |
| R-3403B                    |  | 11                     |
| RW SHEET NO.               |  |                        |
| ROADWAY DESIGN<br>ENGINEER |  | HYDRAULICS<br>ENGINEER |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |

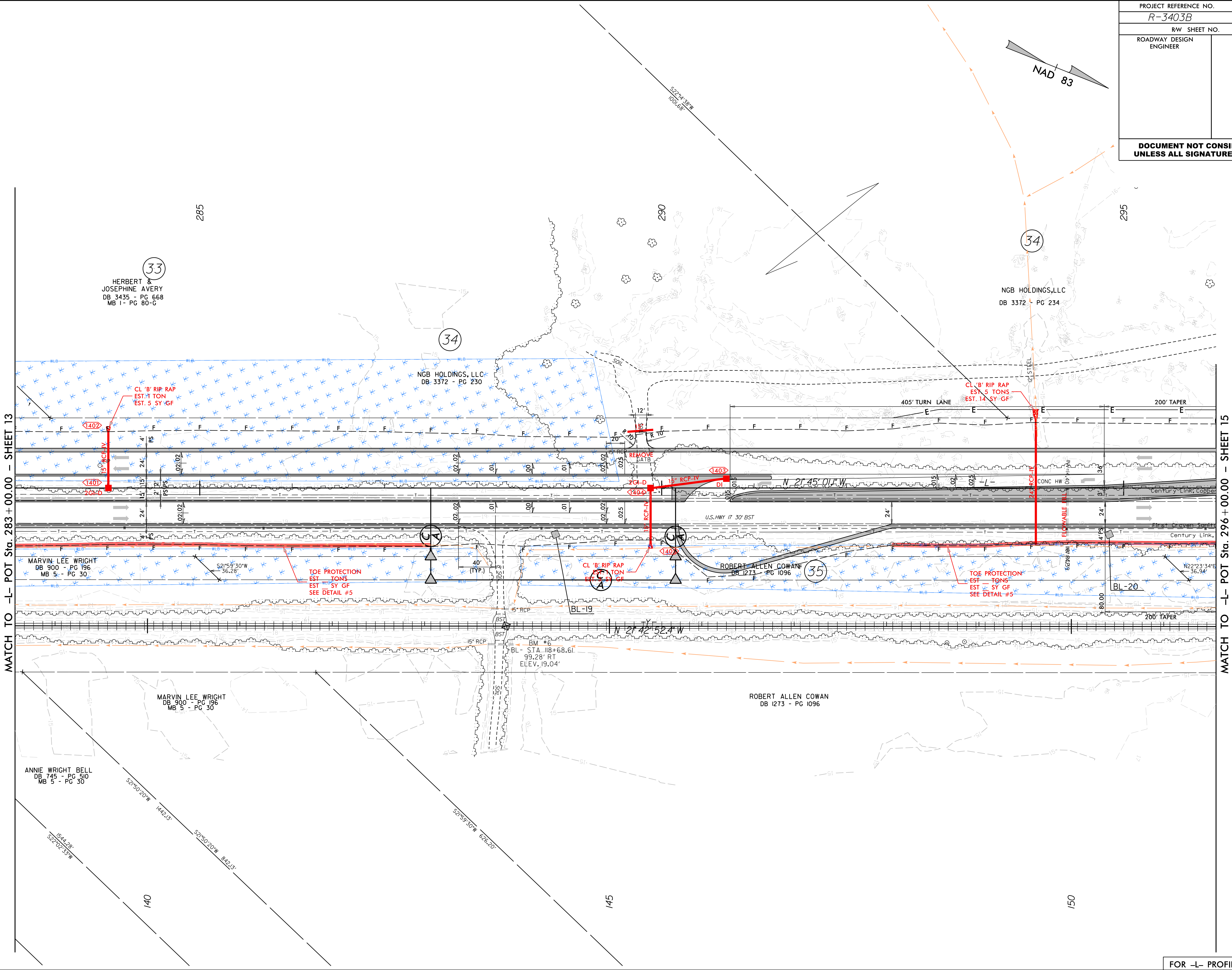


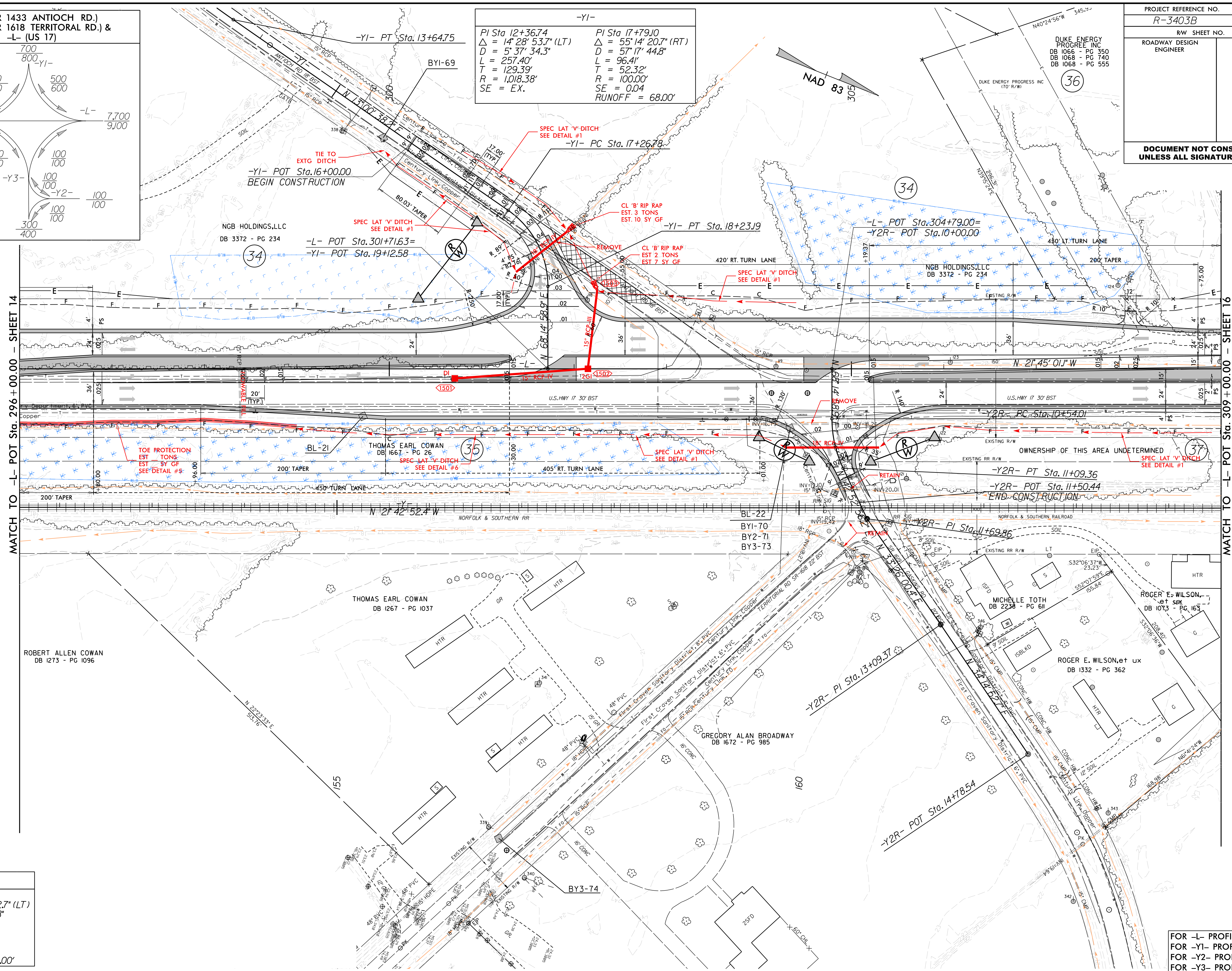
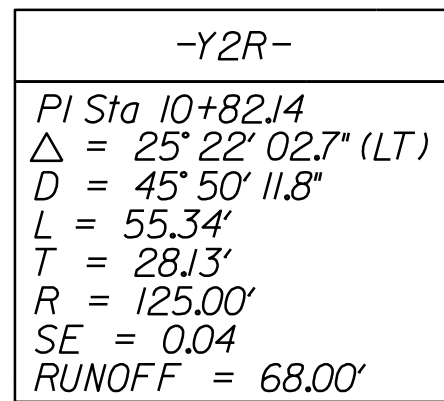
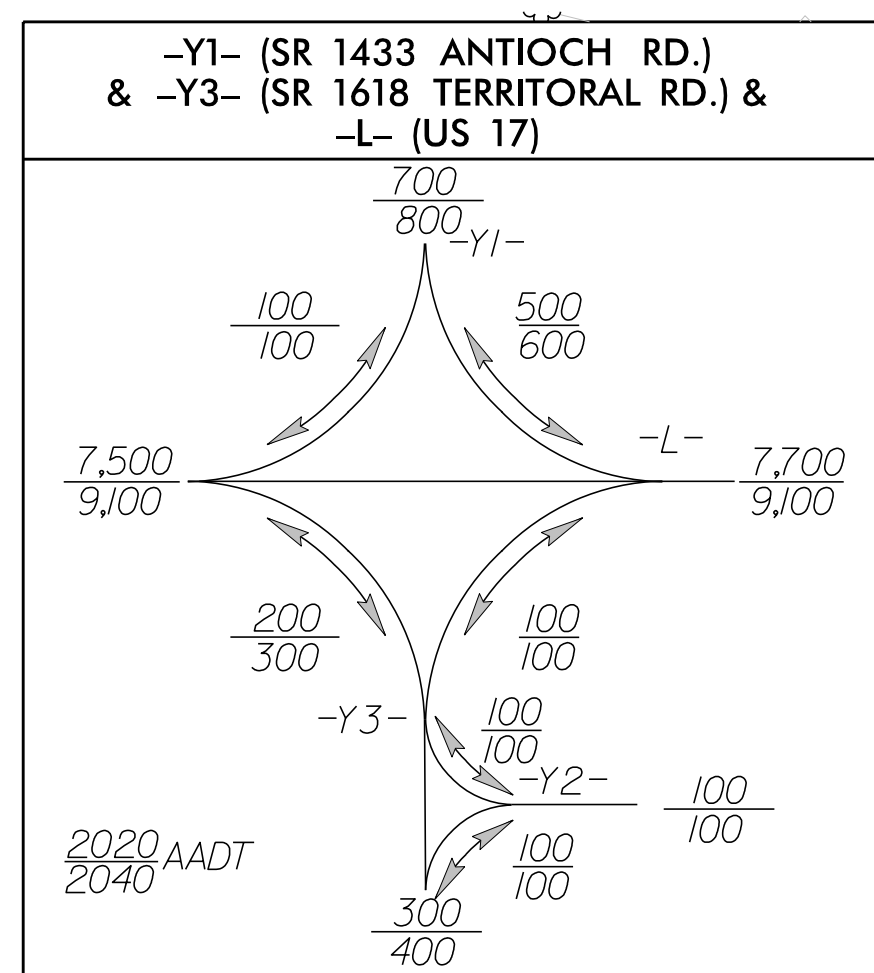
FOR -L- PROFILE SEE SHEET 40





|                                                                  |  |                     |
|------------------------------------------------------------------|--|---------------------|
| PROJECT REFERENCE NO.<br>R-3403B                                 |  | SHEET NO.<br>14     |
| RW SHEET NO.                                                     |  |                     |
| ROADWAY DESIGN ENGINEER                                          |  | HYDRAULICS ENGINEER |
| DOCUMENT NOT CONSIDERED FINAL<br>UNLESS ALL SIGNATURES COMPLETED |  |                     |

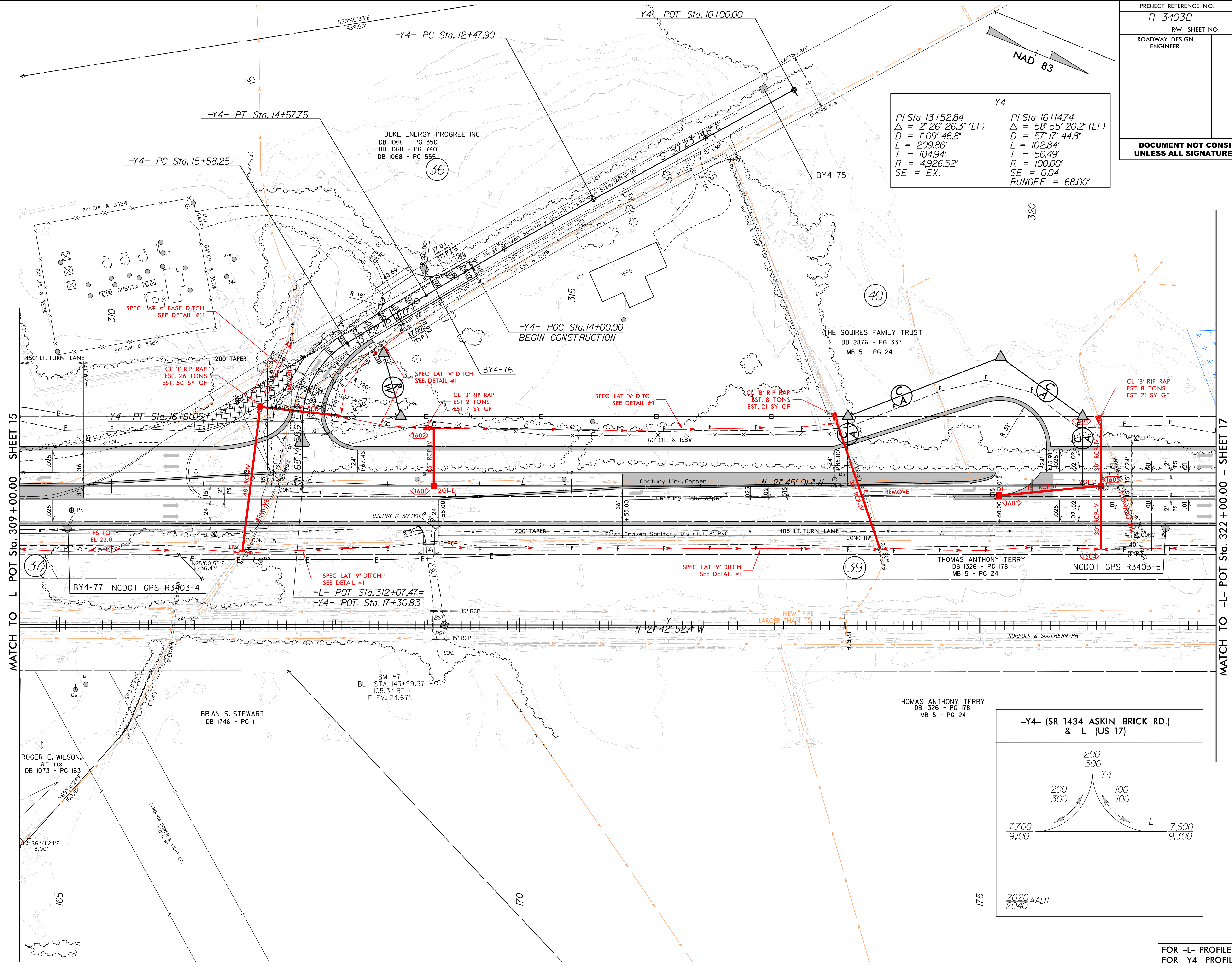




FOR -L- PROFILE SEE SHEET 42  
FOR -Y1- PROFILE SEE SHEET 53  
FOR -Y2- PROFILE SEE SHEET 53  
FOR -Y3- PROFILE SEE SHEET 54

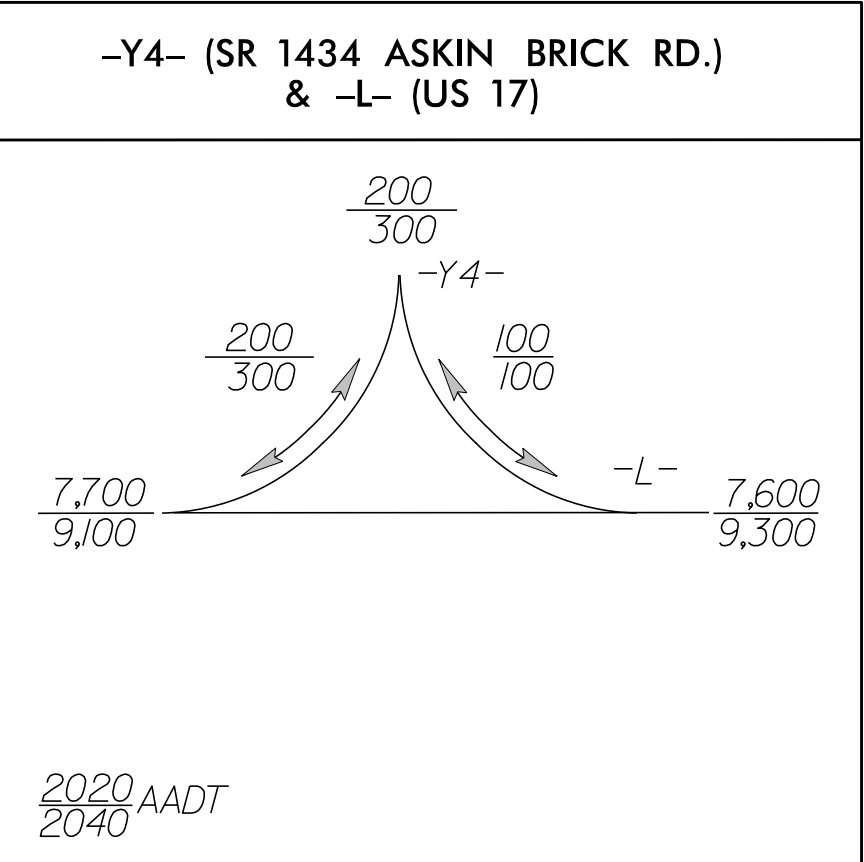
5/14/99

10/3/2018  
R3403B\_Hyd\_PSH\_16.dgn  
bsh



|                            |  |                        |
|----------------------------|--|------------------------|
| PROJECT REFERENCE NO.      |  | SHEET NO.              |
| R-3403B                    |  | 16                     |
| RW SHEET NO.               |  |                        |
| ROADWAY DESIGN<br>ENGINEER |  | HYDRAULICS<br>ENGINEER |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |

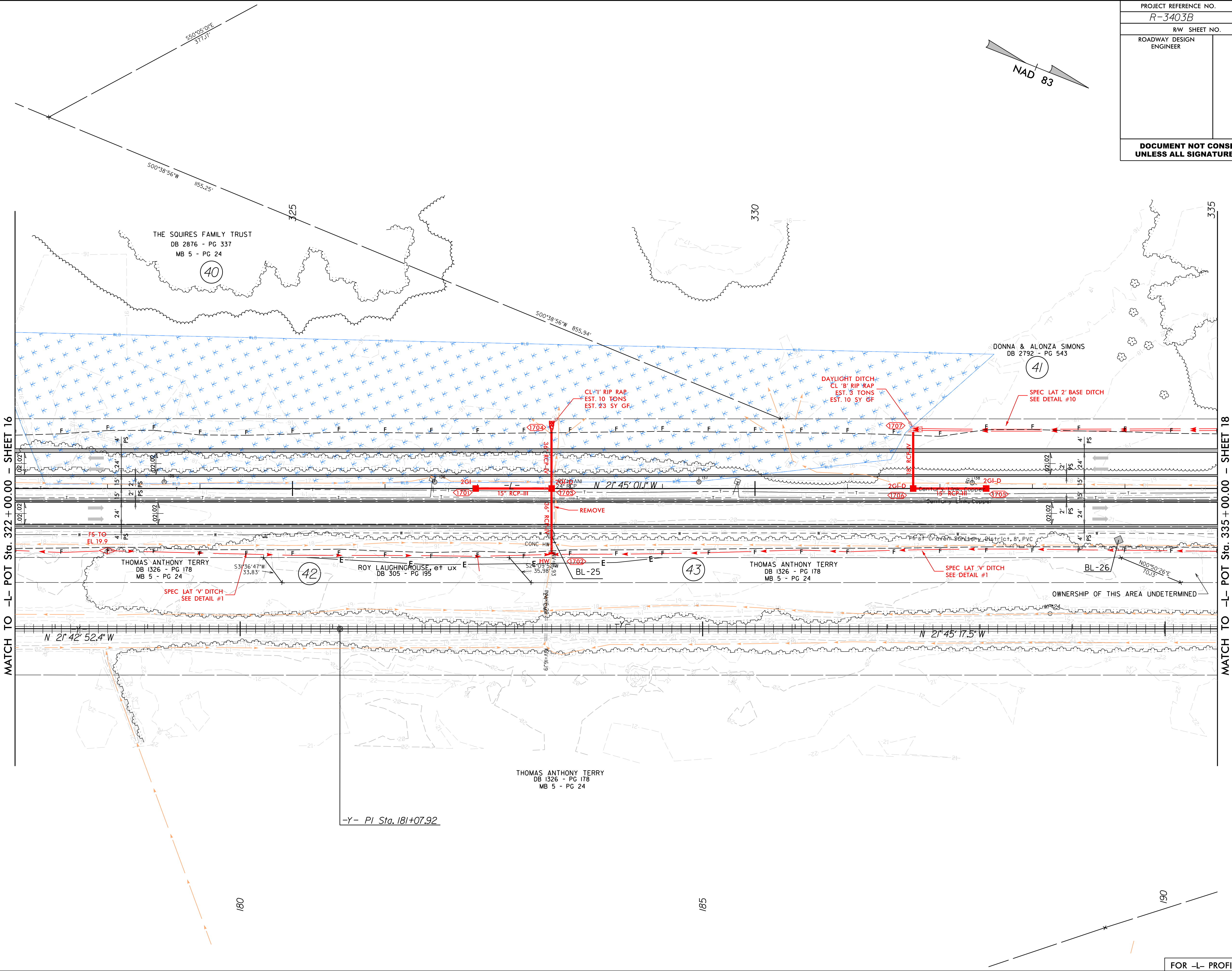
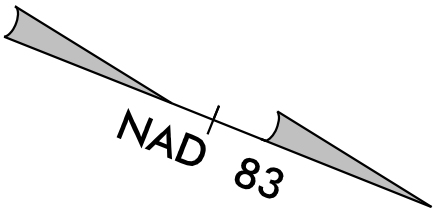
| -Y4-                          |                                |
|-------------------------------|--------------------------------|
| PI Sta 13+52.84               | PI Sta 16+14.74                |
| $\Delta = 2' 26' 26.3''$ (LT) | $\Delta = 58' 55' 20.2''$ (LT) |
| $D = 1' 09' 46.8''$           | $D = 57' 17' 44.8''$           |
| $L = 209.86'$                 | $L = 102.84'$                  |
| $T = 104.94'$                 | $T = 56.49'$                   |
| $R = 4,926.52'$               | $R = 100.00'$                  |
| $SE = EX.$                    | $SE = 0.04$                    |
|                               | $RUNOFF = 68.00'$              |



FOR -L- PROFILE SEE SHEET 43  
FOR -Y4- PROFILE SEE SHEET 54

5/14/99  
10/3/2018  
R3403B\_Hyd\_PSH\_17.dgn  
b31.m

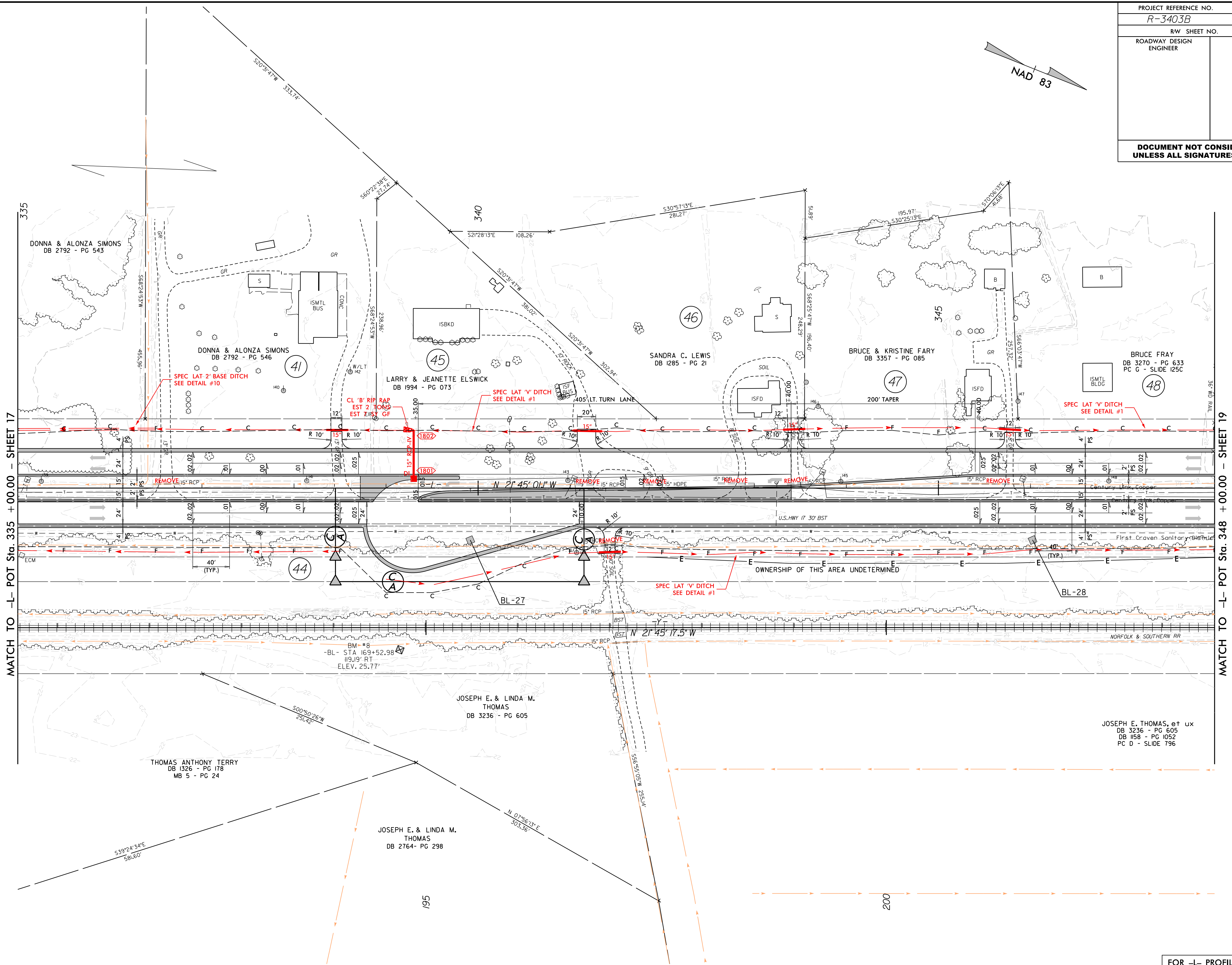
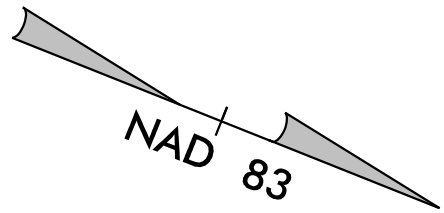
|                            |                        |           |
|----------------------------|------------------------|-----------|
| PROJECT REFERENCE NO.      |                        | SHEET NO. |
| R-3403B                    |                        | 17        |
| RW SHEET NO.               |                        |           |
| ROADWAY DESIGN<br>ENGINEER | HYDRAULICS<br>ENGINEER |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |



FOR -L- PROFILE SEE SHEET 43

5/14/99

|                            |  |                        |
|----------------------------|--|------------------------|
| PROJECT REFERENCE NO.      |  | SHEET NO.              |
| R-3403B                    |  | 18                     |
| RW SHEET NO.               |  |                        |
| ROADWAY DESIGN<br>ENGINEER |  | HYDRAULICS<br>ENGINEER |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |

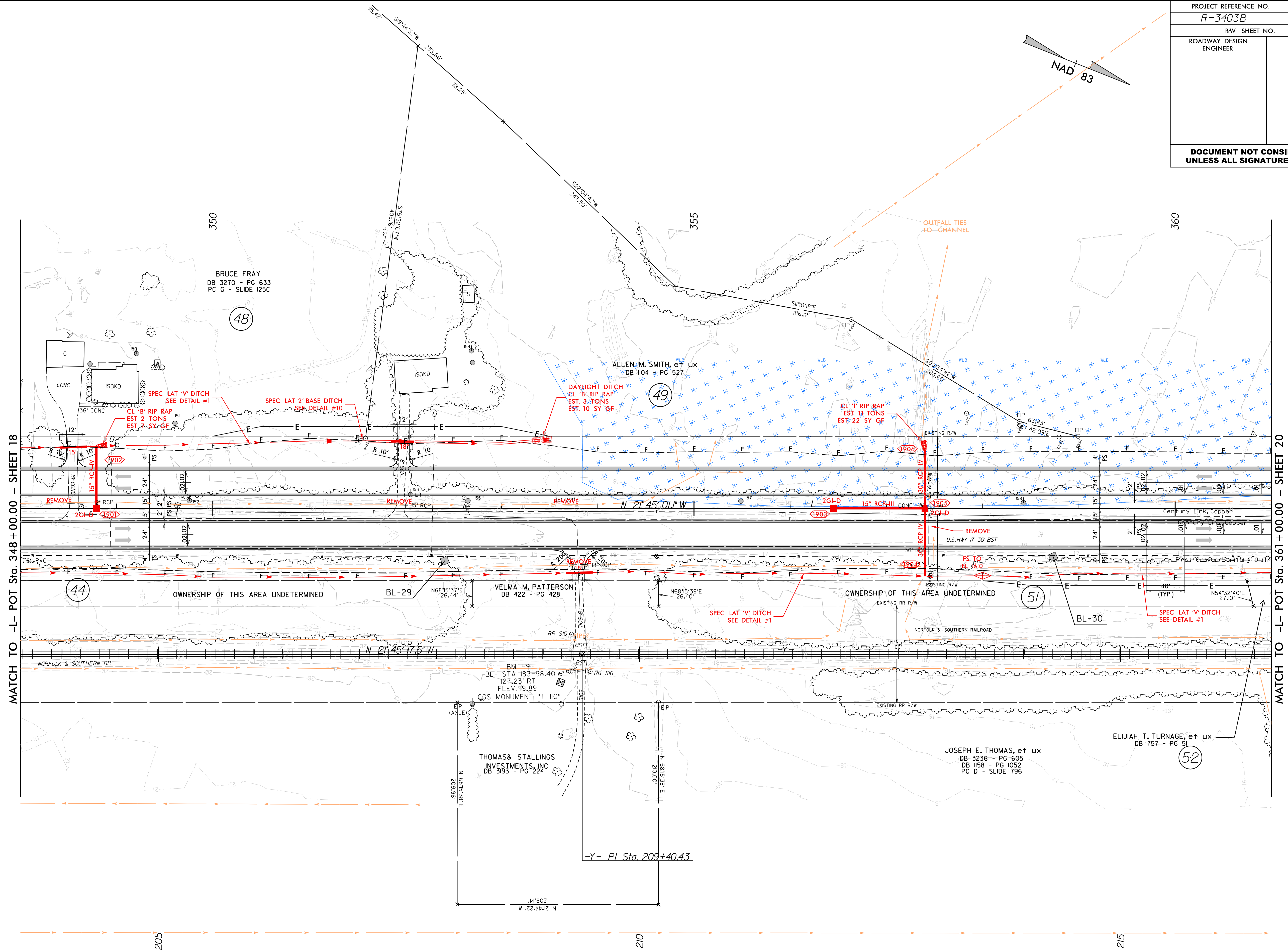


10/3/2018  
R3403B\_Hyd\_PSH\_18.dgn  
b31.m

5/14/99

10/3/2018  
R3403B\_Hyd\_PSH\_19.dgn  
b31.m

|                            |                        |           |
|----------------------------|------------------------|-----------|
| PROJECT REFERENCE NO.      |                        | SHEET NO. |
| R-3403B                    |                        | 19        |
| RW SHEET NO.               |                        |           |
| ROADWAY DESIGN<br>ENGINEER | HYDRAULICS<br>ENGINEER |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |
|                            |                        |           |

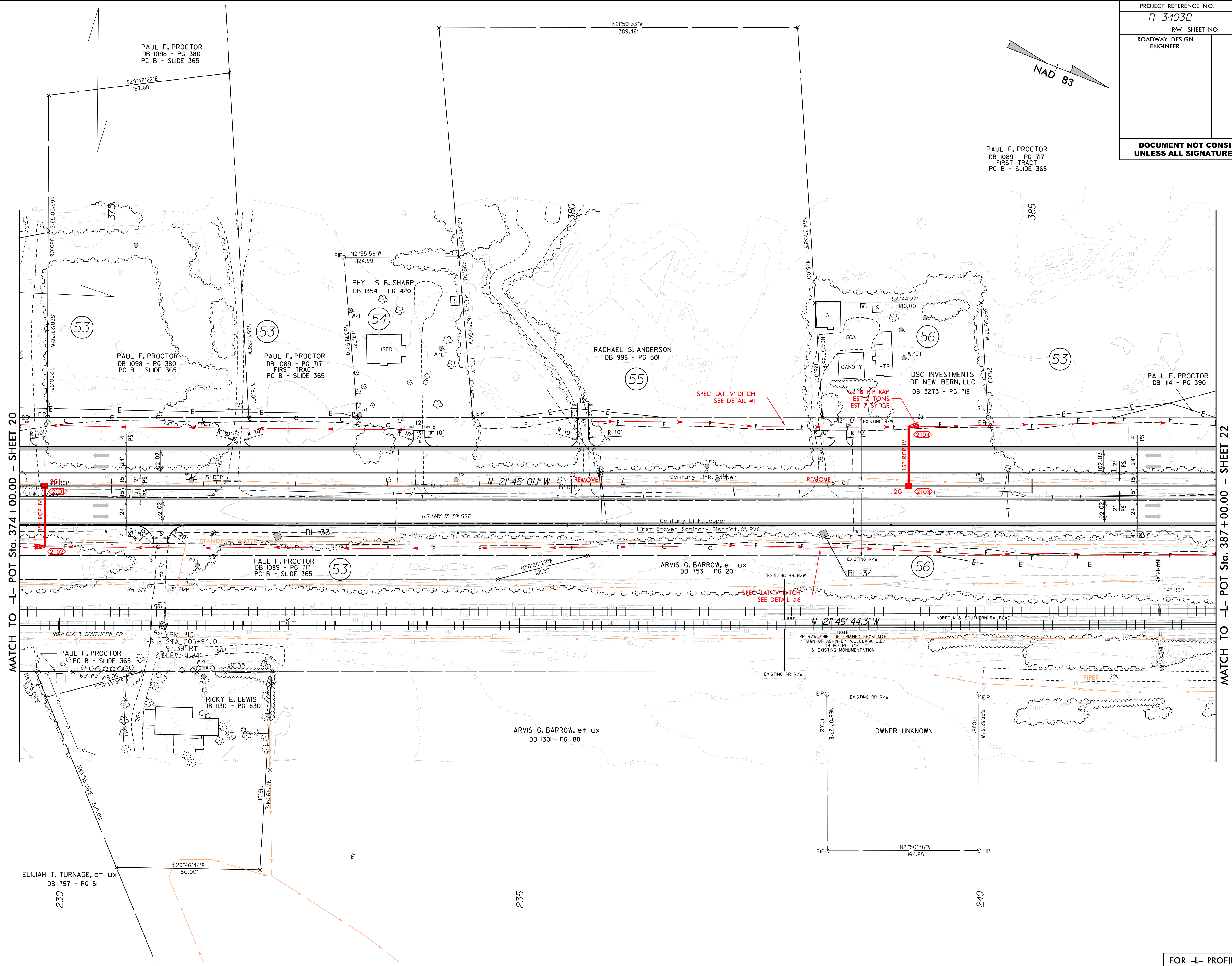


FOR -L- PROFILE SEE SHEET 44



5/14/2018

10/3/2018  
R3403B\_Hyd\_PSH\_21.dgn  
b3a1m



|                            |  |                        |
|----------------------------|--|------------------------|
| PROJECT REFERENCE NO.      |  | SHEET NO.              |
| R-3403B                    |  | 21                     |
| RW SHEET NO.               |  |                        |
| ROADWAY DESIGN<br>ENGINEER |  | HYDRAULICS<br>ENGINEER |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |

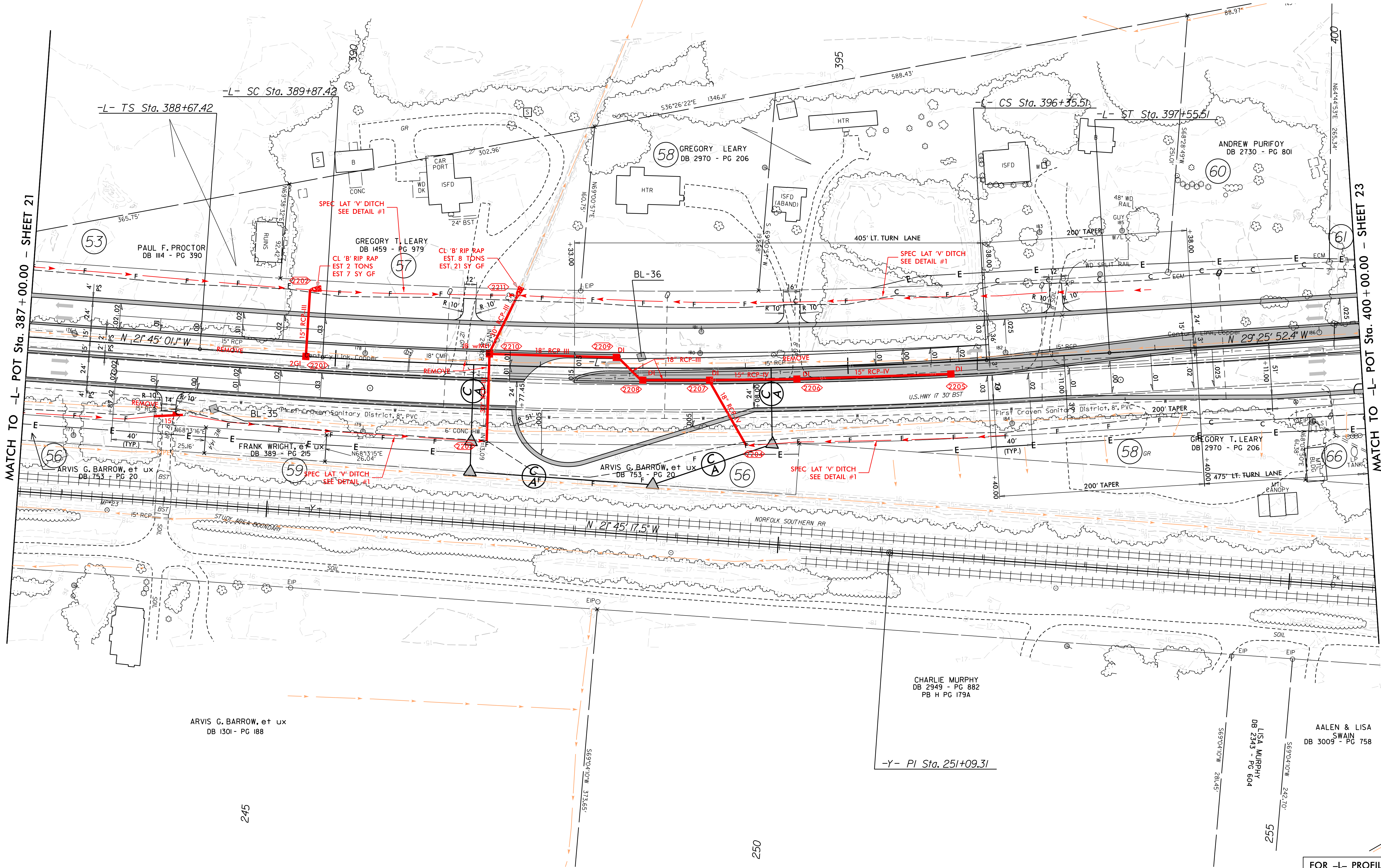
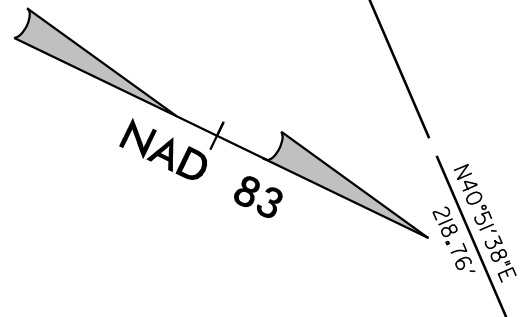
FOR -L- PROFILE SEE SHEET 45

5/14/99

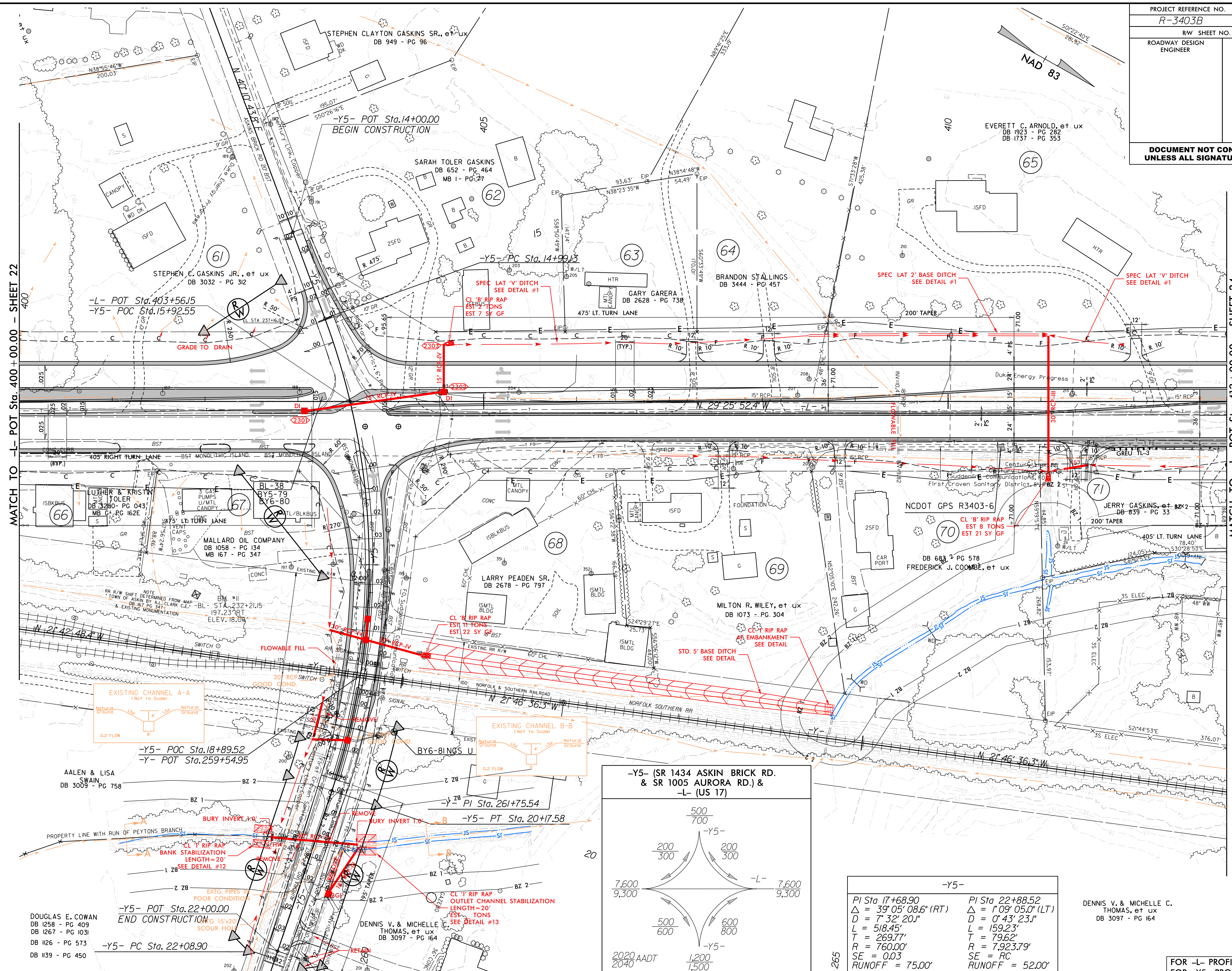
|                            |  |                        |
|----------------------------|--|------------------------|
| PROJECT REFERENCE NO.      |  | SHEET NO.              |
| R-3403B                    |  | 22                     |
| RW SHEET NO.               |  |                        |
| ROADWAY DESIGN<br>ENGINEER |  | HYDRAULICS<br>ENGINEER |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |

|                                   |                                      |                                   |
|-----------------------------------|--------------------------------------|-----------------------------------|
| -L-                               |                                      |                                   |
| Pls Sta 389+47.24                 | Pl Sta 393+11.64                     | Pls Sta 396+75.34                 |
| $\Theta s = 0^{\circ} 36' 00.0''$ | $\Delta = 6^{\circ} 28' 51.3'' (LT)$ | $\Theta s = 0^{\circ} 36' 00.0''$ |
| $Ls = 120.00'$                    | $D = 1^{\circ} 00' 00.0''$           | $Ls = 120.00'$                    |
| $LT = 80.00'$                     | $L = 648.09'$                        | $LT = 80.00'$                     |
| $ST = 40.00'$                     | $T = 324.39'$                        | $ST = 40.00'$                     |
|                                   | $R = 5,729.58'$                      |                                   |
|                                   | $SE = 0.03$                          |                                   |

PAUL F. PROCTOR  
DB 1089 - PG 717  
FIRST TRACT  
PC B - SLIDE 365



10/3/2018  
R-3403B-Hyd\_PSH\_22.dgn  
b31.m



DENNIS V. & MICHELLE C.  
THOMAS, et ux  
DB 3097 - PG 164

FOR -L- PROFILE SEE SHEET 46  
FOR -Y5- PROFILE SEE SHEET 55

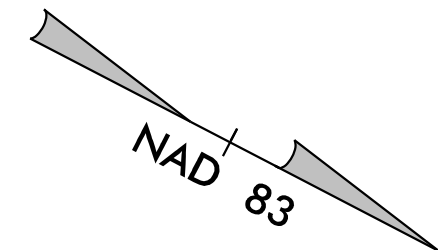


5/14/2018

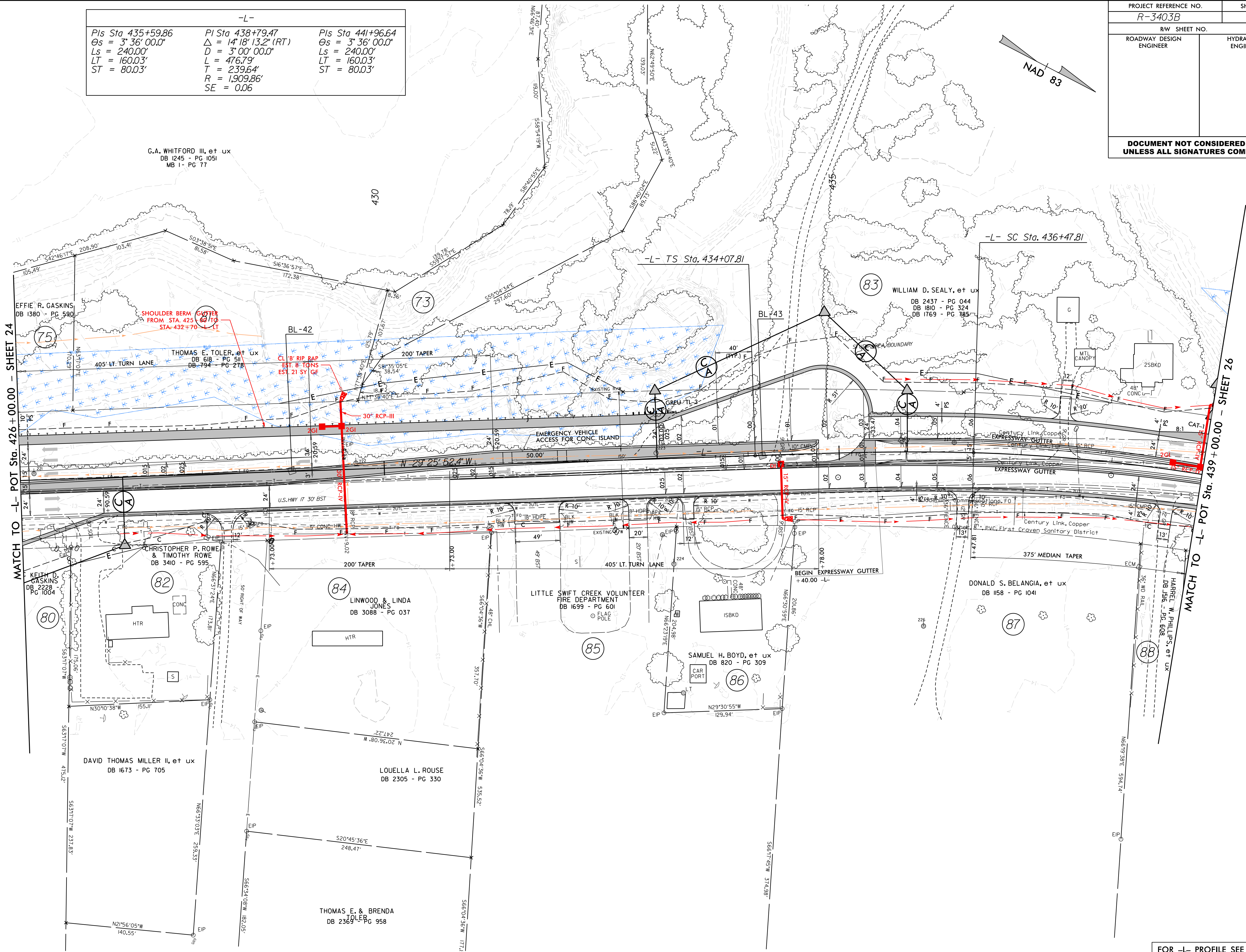
10/3/2018  
R-3403B\_Hyd\_PSH\_25.dgn  
bsh

| -L-                             |                                     |                                 |
|---------------------------------|-------------------------------------|---------------------------------|
| Pls Sta 435+59.86               | Pls Sta 438+79.47                   | Pls Sta 441+96.64               |
| $\theta_s = 3^\circ 36' 00.0''$ | $\Delta = 14^\circ 18' 13.2''$ (RT) | $\theta_s = 3^\circ 36' 00.0''$ |
| $L_s = 240.00'$                 | $D = 3^\circ 00' 00.0''$            | $L_s = 240.00'$                 |
| $LT = 160.03'$                  | $L = 476.79'$                       | $LT = 160.03'$                  |
| $ST = 80.03'$                   | $T = 239.64'$                       | $ST = 80.03'$                   |
|                                 | $R = 1,909.86'$                     |                                 |
|                                 | $SE = 0.06$                         |                                 |

G.A. WHITFORD III, et ux  
DB 1245 - PG 1051  
MB 1 - PG 77



| PROJECT REFERENCE NO.                                            |                     | SHEET NO. |
|------------------------------------------------------------------|---------------------|-----------|
| R-3403B                                                          |                     | 25        |
| RW SHEET NO.                                                     |                     |           |
| ROADWAY DESIGN ENGINEER                                          | HYDRAULICS ENGINEER |           |
| DOCUMENT NOT CONSIDERED FINAL<br>UNLESS ALL SIGNATURES COMPLETED |                     |           |

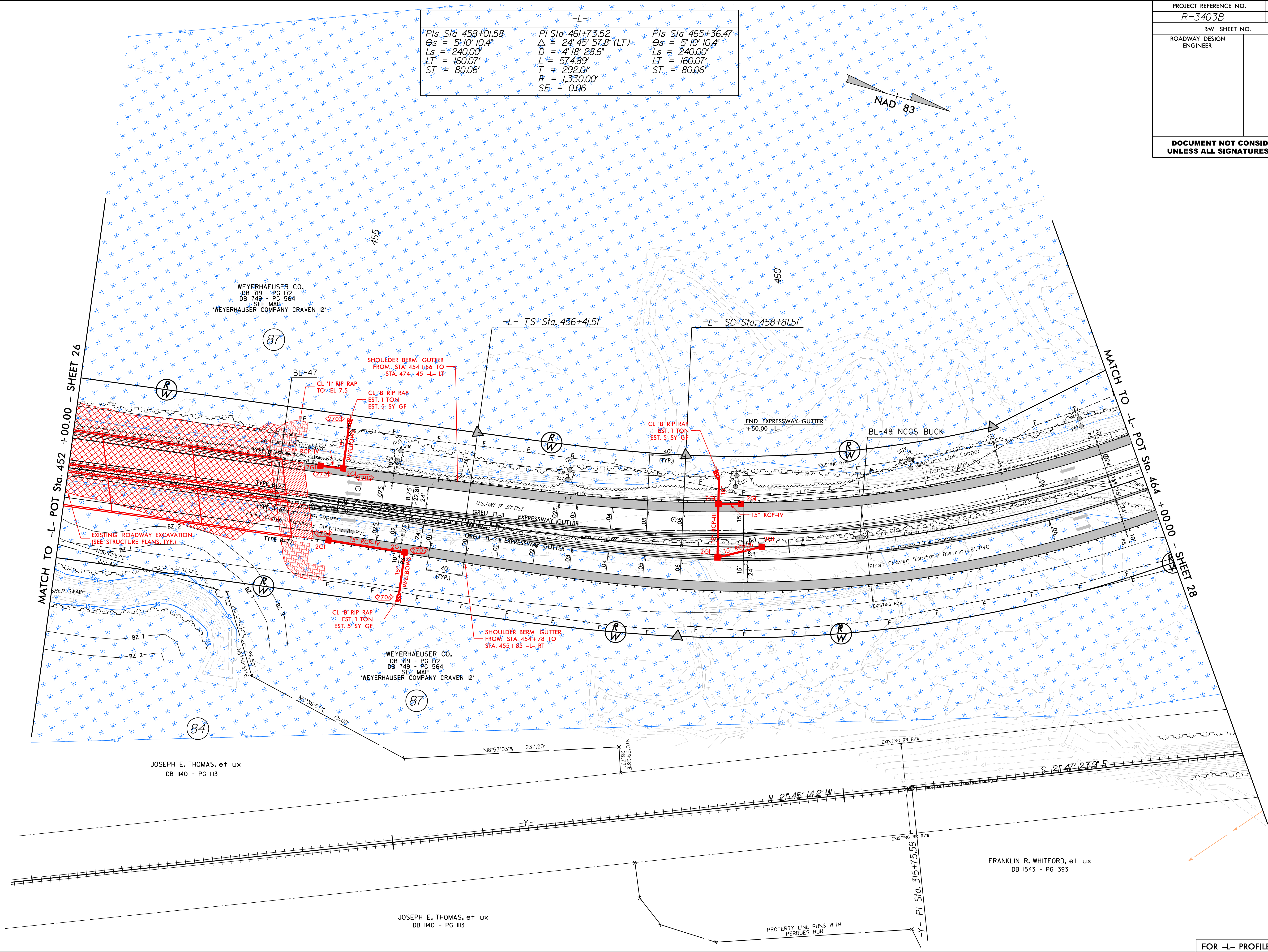


FOR -L- PROFILE SEE SHEET 47



5/14/99

|                                                                  |                     |
|------------------------------------------------------------------|---------------------|
| PROJECT REFERENCE NO.                                            | SHEET NO.           |
| R-3403B                                                          | 27                  |
| RW SHEET NO.                                                     |                     |
| ROADWAY DESIGN ENGINEER                                          | HYDRAULICS ENGINEER |
| DOCUMENT NOT CONSIDERED FINAL<br>UNLESS ALL SIGNATURES COMPLETED |                     |

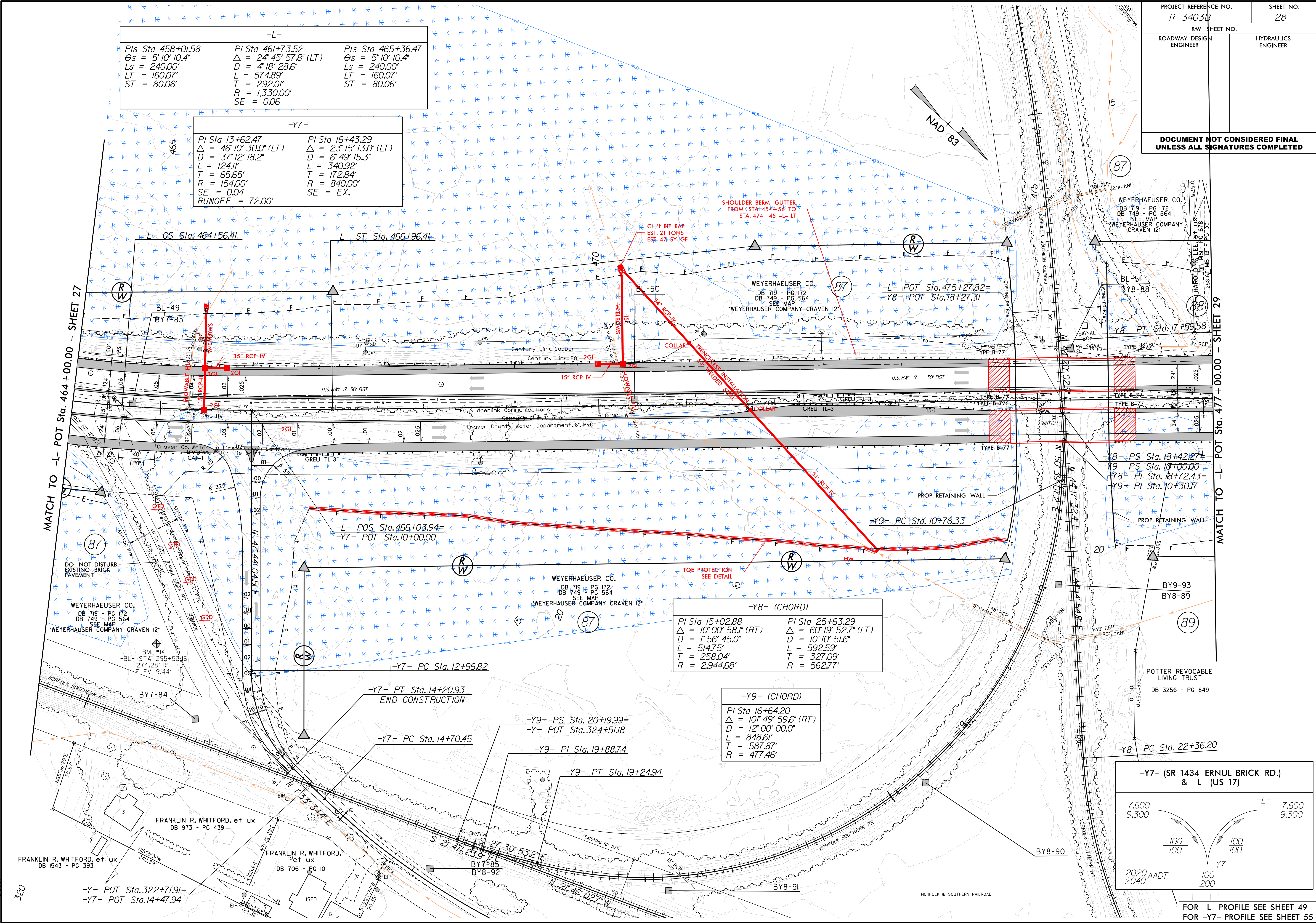


10/3/2018  
R-3403B\_Hyd\_PSH\_27.dgn  
b3a1m

FOR -L- PROFILE SEE SHEET 48

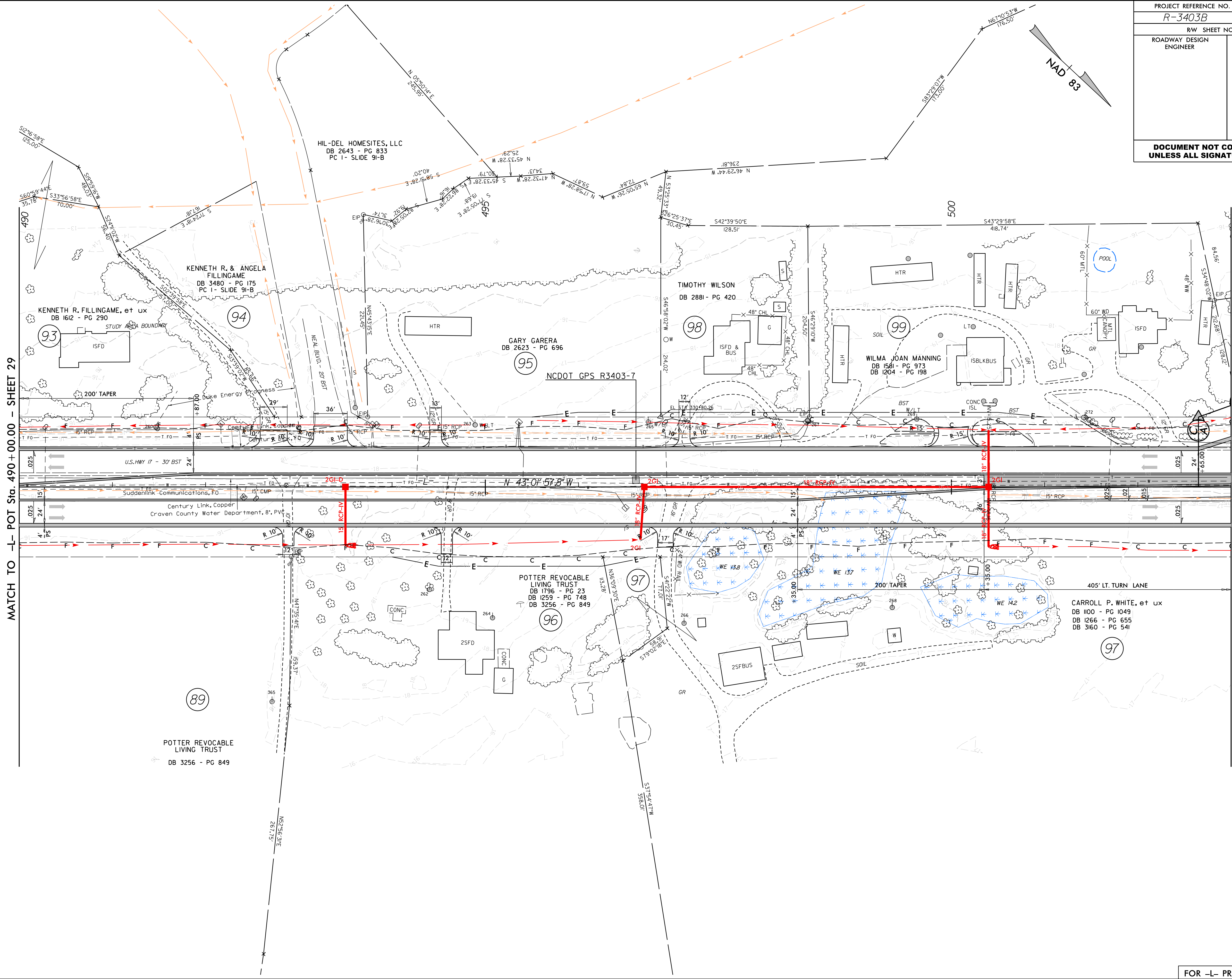
5/14/99

|                         |  |                     |
|-------------------------|--|---------------------|
| PROJECT REFERENCE NO.   |  | SHEET NO.           |
| R-3403B                 |  | 28                  |
| RW SHEET NO.            |  |                     |
| ROADWAY DESIGN ENGINEER |  | HYDRAULICS ENGINEER |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |
|                         |  |                     |



FOR -L- PROFILE SEE SHEET 49  
FOR -Y7- PROFILE SEE SHEET 55

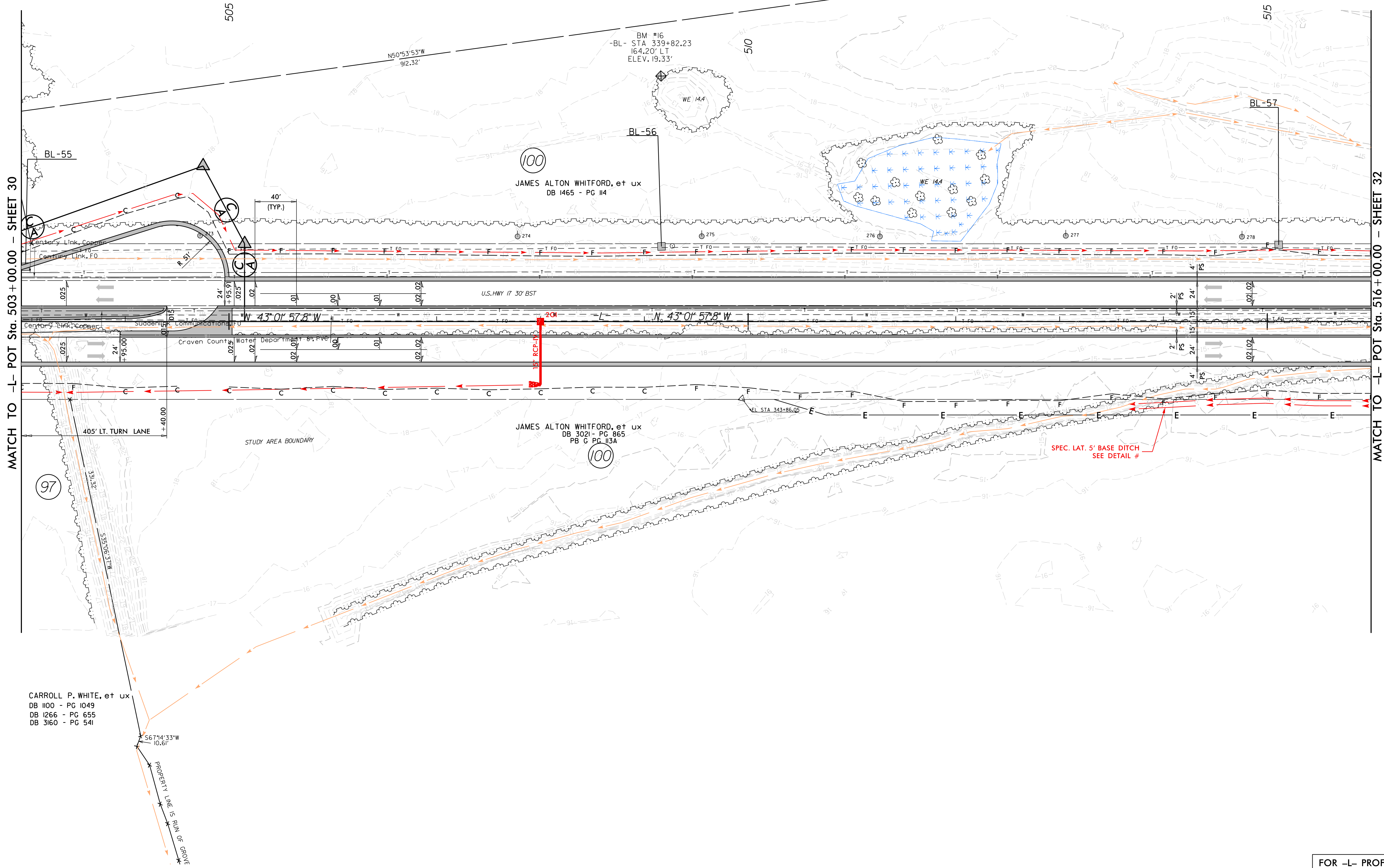




|                            |  |                        |
|----------------------------|--|------------------------|
| PROJECT REFERENCE NO.      |  | SHEET NO.              |
| R-3403B                    |  | 30                     |
| RW SHEET NO.               |  |                        |
| ROADWAY DESIGN<br>ENGINEER |  | HYDRAULICS<br>ENGINEER |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |

5/14/99

|                                                                  |  |                     |
|------------------------------------------------------------------|--|---------------------|
| PROJECT REFERENCE NO.<br>R-3403B                                 |  | SHEET NO.<br>31     |
| RW SHEET NO.                                                     |  |                     |
| ROADWAY DESIGN ENGINEER                                          |  | HYDRAULICS ENGINEER |
| DOCUMENT NOT CONSIDERED FINAL<br>UNLESS ALL SIGNATURES COMPLETED |  |                     |

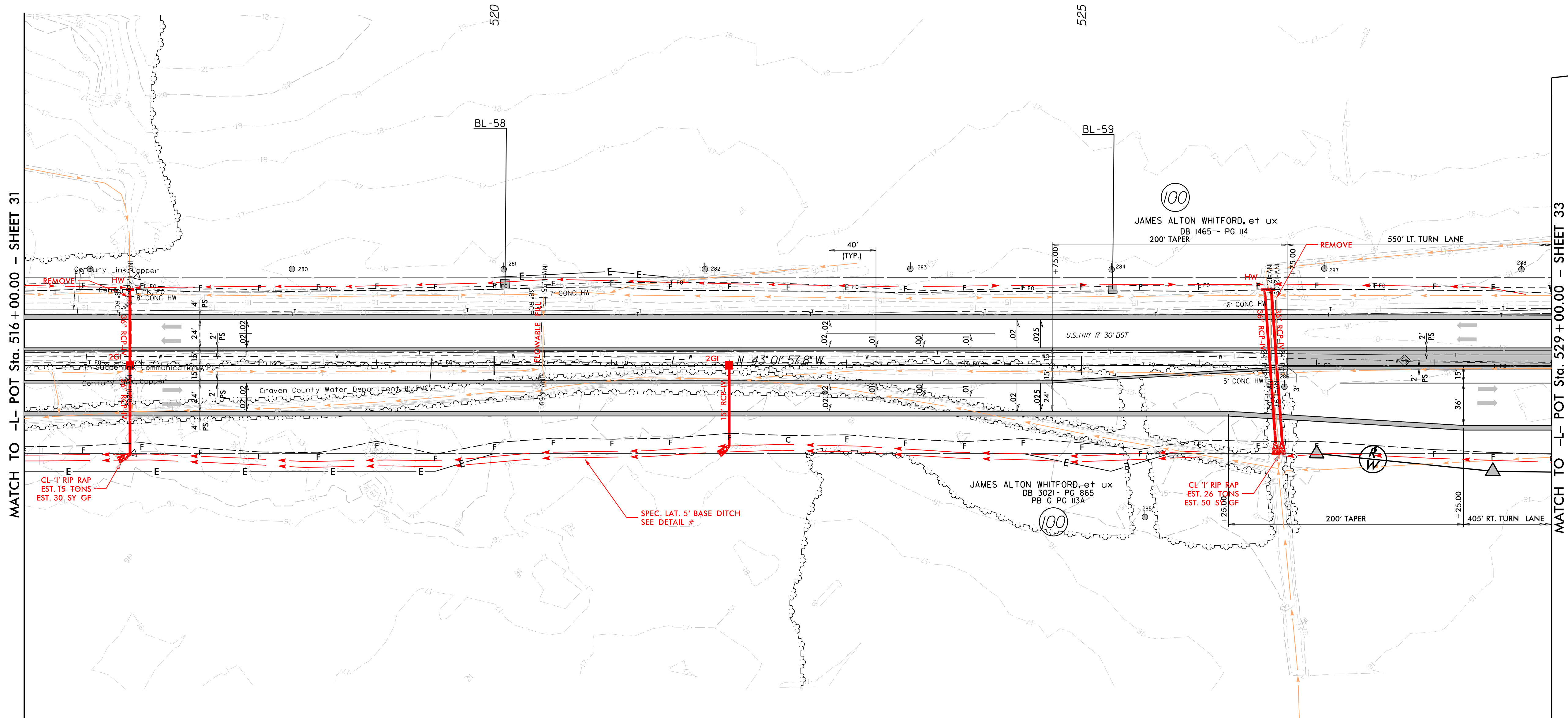


10/3/2018  
R3403B\_Hyd\_PSH\_31.dgn  
b31.dgn

FOR -L- PROFILE SEE SHEET 50

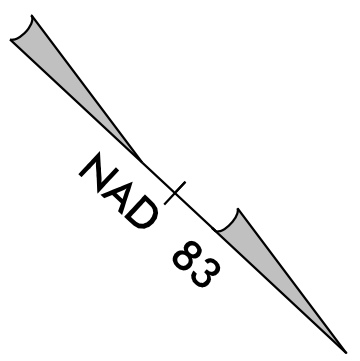
5/14/99

|                            |  |                        |
|----------------------------|--|------------------------|
| PROJECT REFERENCE NO.      |  | SHEET NO.              |
| R-3403B                    |  | 32                     |
| RW SHEET NO.               |  |                        |
| ROADWAY DESIGN<br>ENGINEER |  | HYDRAULICS<br>ENGINEER |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
| </                         |  |                        |



MATCH TO -L- POT Sta. 516 + 00.00 - SHEET 31

MATCH TO -L- POT Sta. 529 + 00.00 - SHEET 33



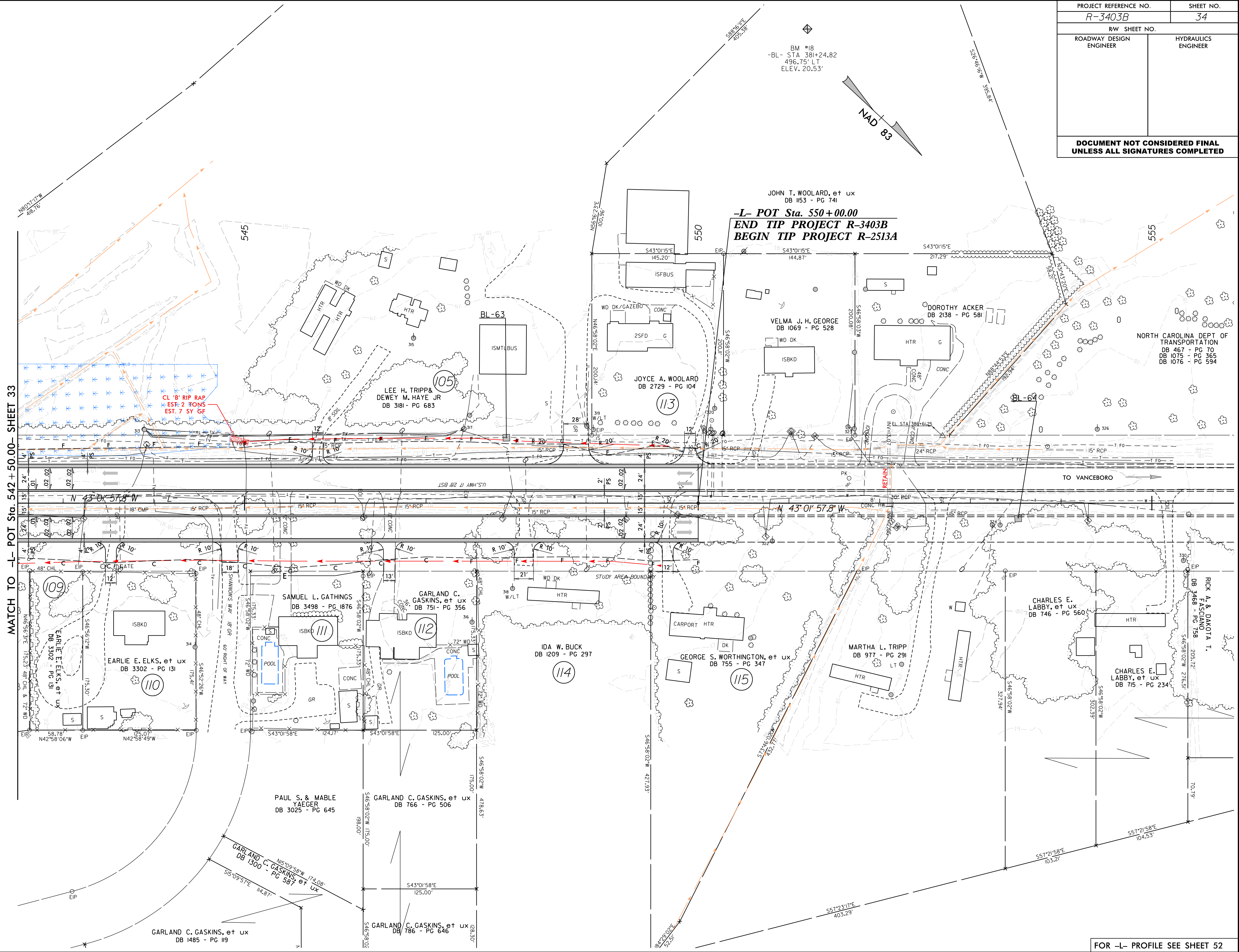
10/3/2018  
R3403B\_Hyd\_PSH\_32.dgn  
bml

FOR -L- PROFILE SEE SHEET 31



5/14/99

|                            |  |                        |
|----------------------------|--|------------------------|
| PROJECT REFERENCE NO.      |  | SHEET NO.              |
| R-3403B                    |  | 34                     |
| RW SHEET NO.               |  |                        |
| ROADWAY DESIGN<br>ENGINEER |  | HYDRAULICS<br>ENGINEER |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |
|                            |  |                        |



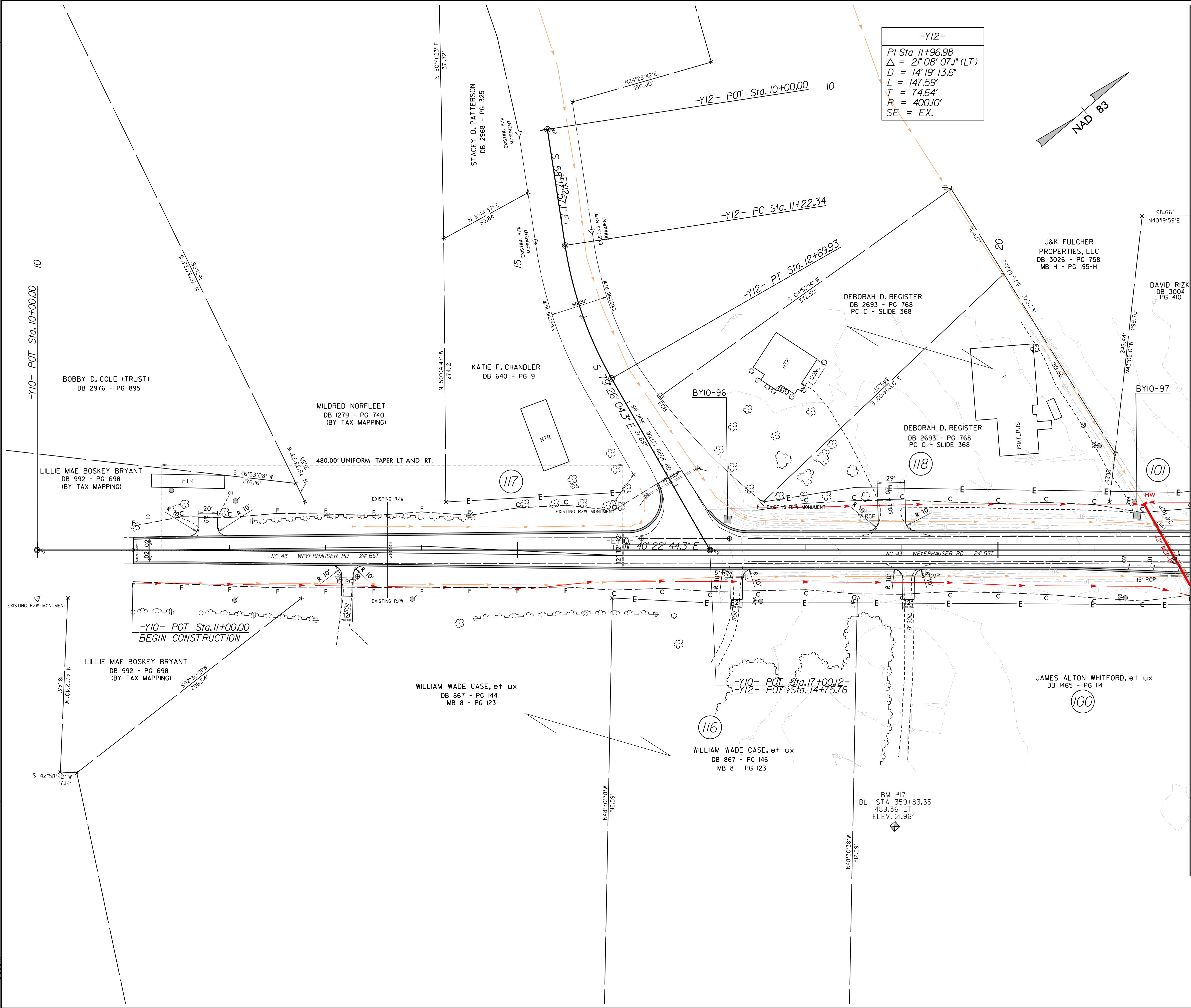
10/3/2018  
R-3403B\_Hyd\_PSH\_34.dgn  
b341m

FOR -L- PROFILE SEE SHEET 52

5/14/99

REVISIONS

10/3/2018  
R3403B\_Hyd\_PSH\_35.dgn  
bml



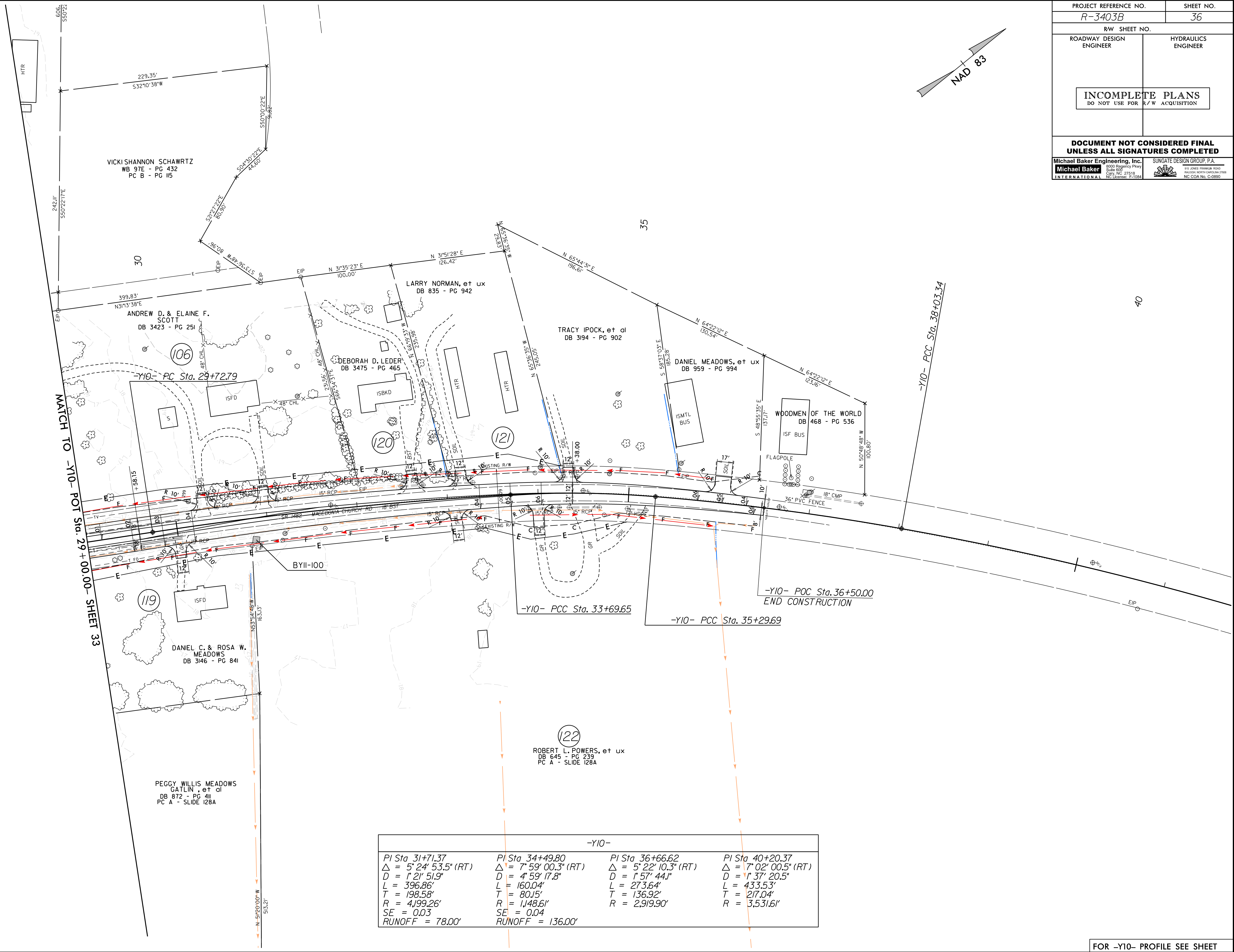
|                                                                                                                          |  |                                                                                                                                                                                                                 |  |
|--------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| PROJECT REFERENCE NO.<br><i>R-3403B</i>                                                                                  |  | SHEET NO.<br><i>35</i>                                                                                                                                                                                          |  |
| RW SHEET NO.                                                                                                             |  |                                                                                                                                                                                                                 |  |
| ROADWAY DESIGN<br>ENGINEER                                                                                               |  | HYDRAULICS<br>ENGINEER                                                                                                                                                                                          |  |
| <div>INCOMPLETE PLANS</div> <div>DO NOT USE FOR R/W ACQUISITION</div>                                                    |  |                                                                                                                                                                                                                 |  |
| <div>DOCUMENT NOT CONSIDERED FINAL<br/>UNLESS ALL SIGNATURES COMPLETED</div>                                             |  |                                                                                                                                                                                                                 |  |
| <div>Michael Baker Engineering, Inc.<br/>6000 Regency Pkwy<br/>Suite 600<br/>Cary, NC 27518<br/>NC License: F-1094</div> |  | <div>SUNGATE DESIGN GROUP, P.A.<br/><br/>815 JONES FARMER ROAD<br/>RALEIGH, NORTH CAROLINA 27603<br/>NC COA NO. C-0880</div> |  |

FOR -Y10- PROFILE SEE SHEET

5/14/99

REVISIONS

10/3/2018  
R3403B\_Hyd\_PSH\_36.dgn  
bml



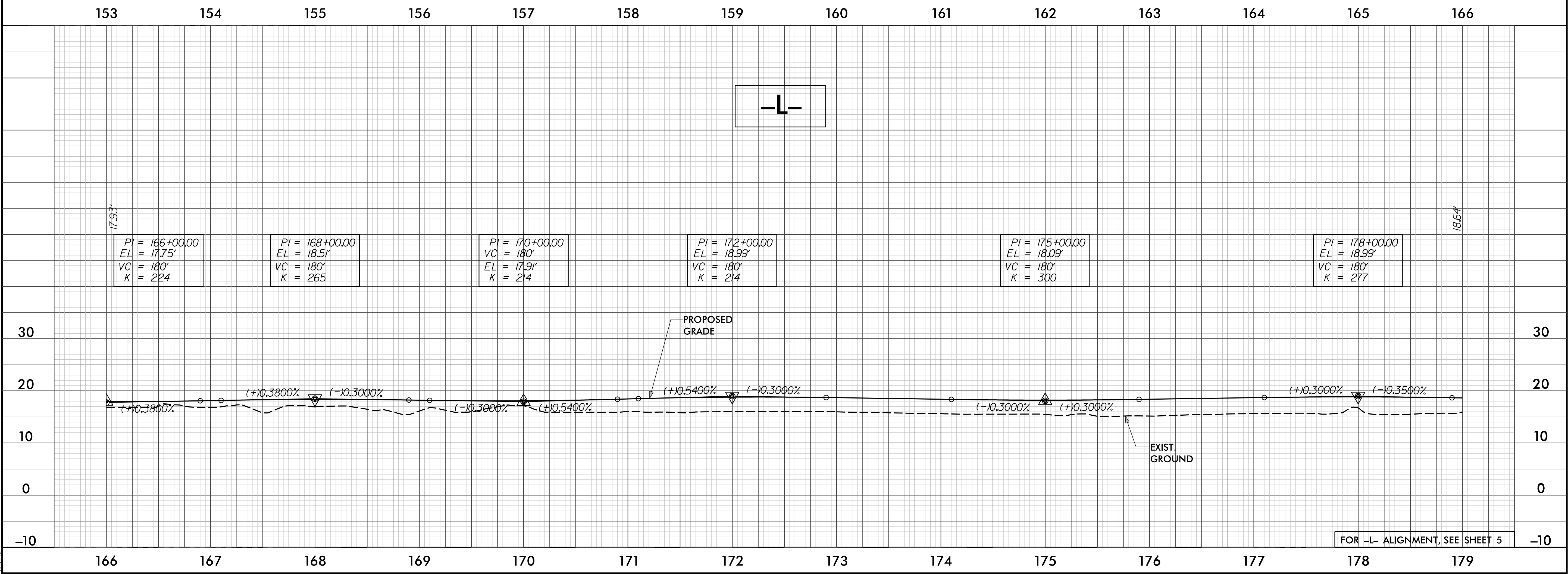
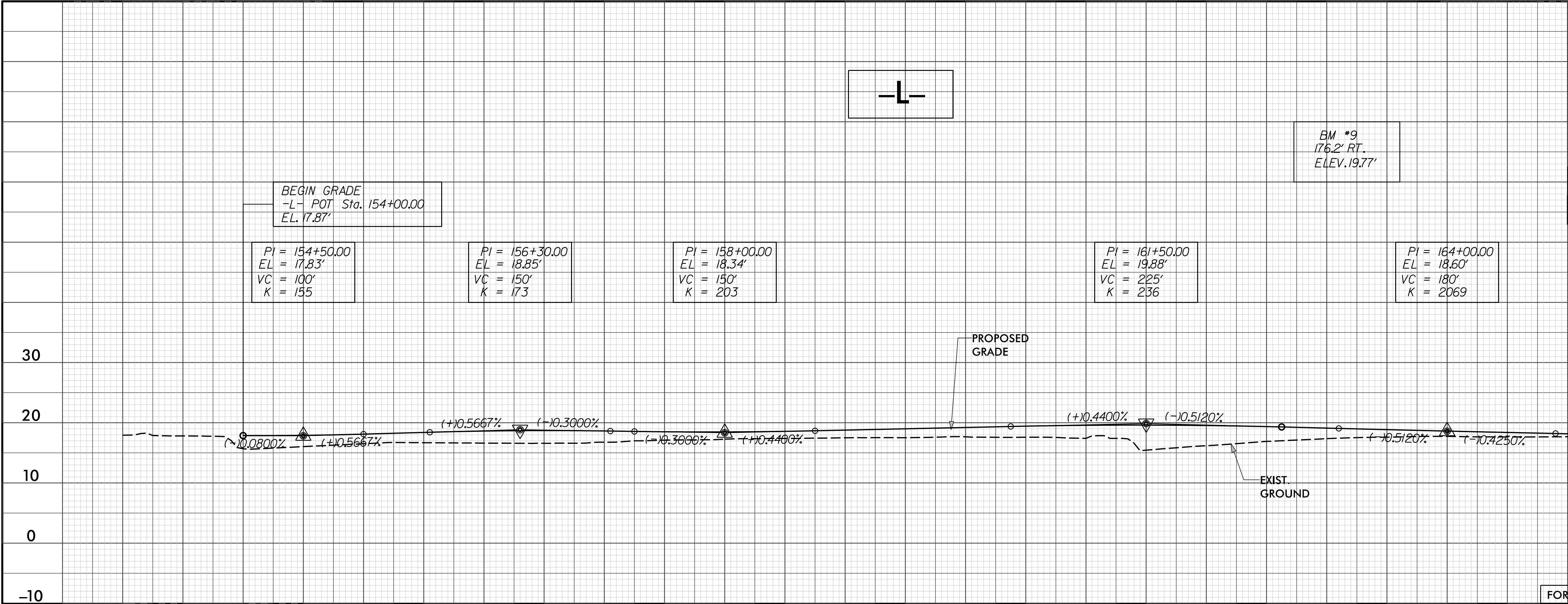
|                                                                                                                      |  |                                                                                                                        |  |
|----------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------|--|
| PROJECT REFERENCE NO.<br><b>R-3403B</b>                                                                              |  | SHEET NO.<br><b>36</b>                                                                                                 |  |
| RW SHEET NO.                                                                                                         |  |                                                                                                                        |  |
| ROADWAY DESIGN ENGINEER                                                                                              |  | HYDRAULICS ENGINEER                                                                                                    |  |
| <b>INCOMPLETE PLANS</b><br>DO NOT USE FOR R/W ACQUISITION                                                            |  |                                                                                                                        |  |
| <b>DOCUMENT NOT CONSIDERED FINAL</b><br><b>UNLESS ALL SIGNATURES COMPLETED</b>                                       |  |                                                                                                                        |  |
| <b>Michael Baker Engineering, Inc.</b><br>6000 Regency Drive<br>Suite 600<br>Raleigh, NC 27618<br>NC License: F-1094 |  | <b>SUNGATE DESIGN GROUP, P.A.</b><br>370 JAMES STREET, SUITE 200<br>RALEIGH, NORTH CAROLINA 27606<br>NC COA NO. C-0880 |  |

| -Y10-                                                                                                                                       |                                                                                                                                                |                                                                                                             |                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| PI Sta 31+71.37<br>Δ = 5° 24' 53.5" (RT)<br>D = 1° 21' 51.9"<br>L = 396.86'<br>T = 198.58'<br>R = 4,199.26'<br>SE = 0.03<br>RUNOFF = 78.00' | PI Sta 34+49.80<br>Δ = 7° 59' 00.3" (RT)<br>D = 4° 59' 17.8"<br>L = 160.04'<br>T = 1,148.61'<br>R = 1,148.61'<br>SE = 0.04<br>RUNOFF = 136.00' | PI Sta 36+66.62<br>Δ = 5° 22' 10.3" (RT)<br>D = 1° 57' 44.1"<br>L = 273.64'<br>T = 136.92'<br>R = 2,919.90' | PI Sta 40+20.37<br>Δ = 7° 02' 00.5" (RT)<br>D = 1° 37' 20.5"<br>L = 433.53'<br>T = 217.04'<br>R = 3,531.61' |

FOR -Y10- PROFILE SEE SHEET

5/28/99

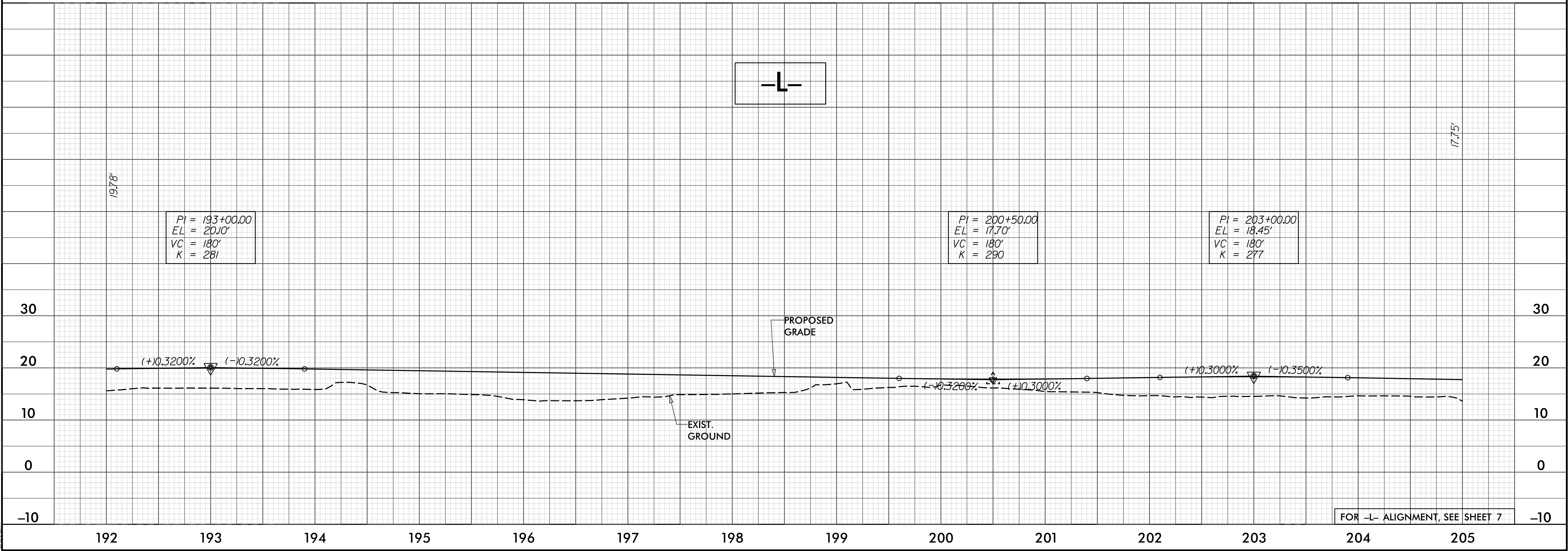
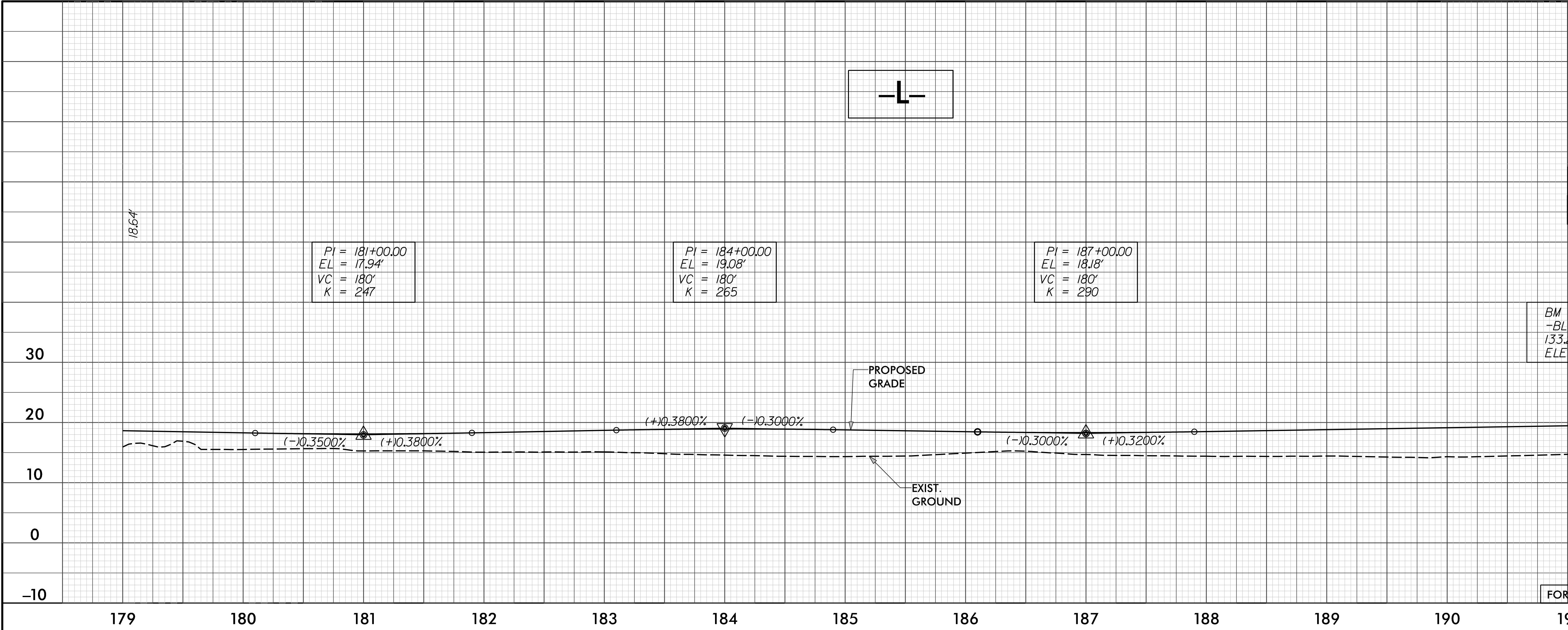
|                                                                                                                                                                                            |                        |                                                                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PROJECT REFERENCE NO.<br><i>R-3403B</i>                                                                                                                                                    |                        | SHEET NO.<br><i>37</i>                                                                                                                                                         |
| ROADWAY DESIGN<br>ENGINEER                                                                                                                                                                 | HYDRAULICS<br>ENGINEER |                                                                                                                                                                                |
| INCOMPLETE PLANS<br>DO NOT USE FOR R/W ACQUISITION                                                                                                                                         |                        |                                                                                                                                                                                |
| DOCUMENT NOT CONSIDERED FINAL<br>UNLESS ALL SIGNATURES COMPLETED                                                                                                                           |                        |                                                                                                                                                                                |
| Michael Baker Engineering, Inc.<br><small>10000 Research Triangle Park<br/>Suite 100<br/>Raleigh, NC 27618<br/>Tel: 919.417.1000<br/>Fax: 919.417.1001<br/>E-Mail: info@mbaker.com</small> |                        | SUNGATE DESIGN GROUP, P.A.<br><small>111 JONES FRANKLIN ROAD<br/>WALTON, NORTH CAROLINA 28078<br/>Tel: 704.833.1111<br/>Fax: 704.833.1112<br/>E-Mail: info@sungate.com</small> |



8-17-2018  
R-3403B-Hyd\_PSH\_PFL.dgn  
bclan

5/28/99

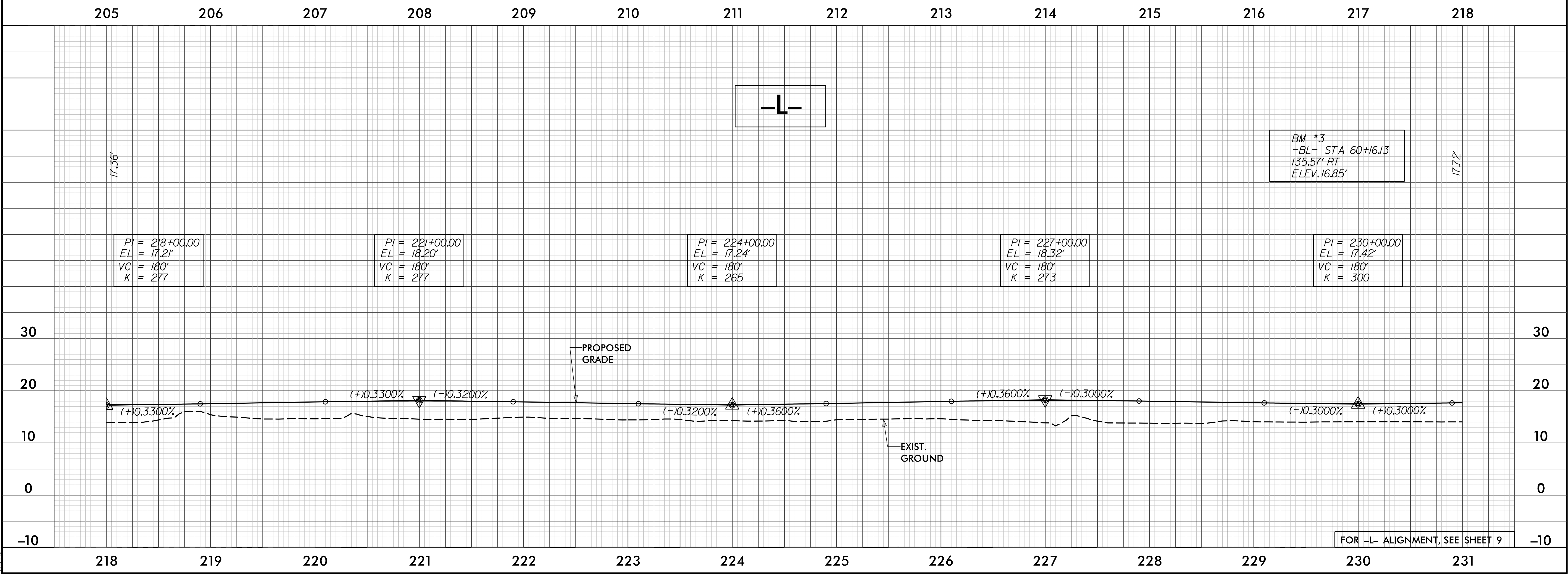
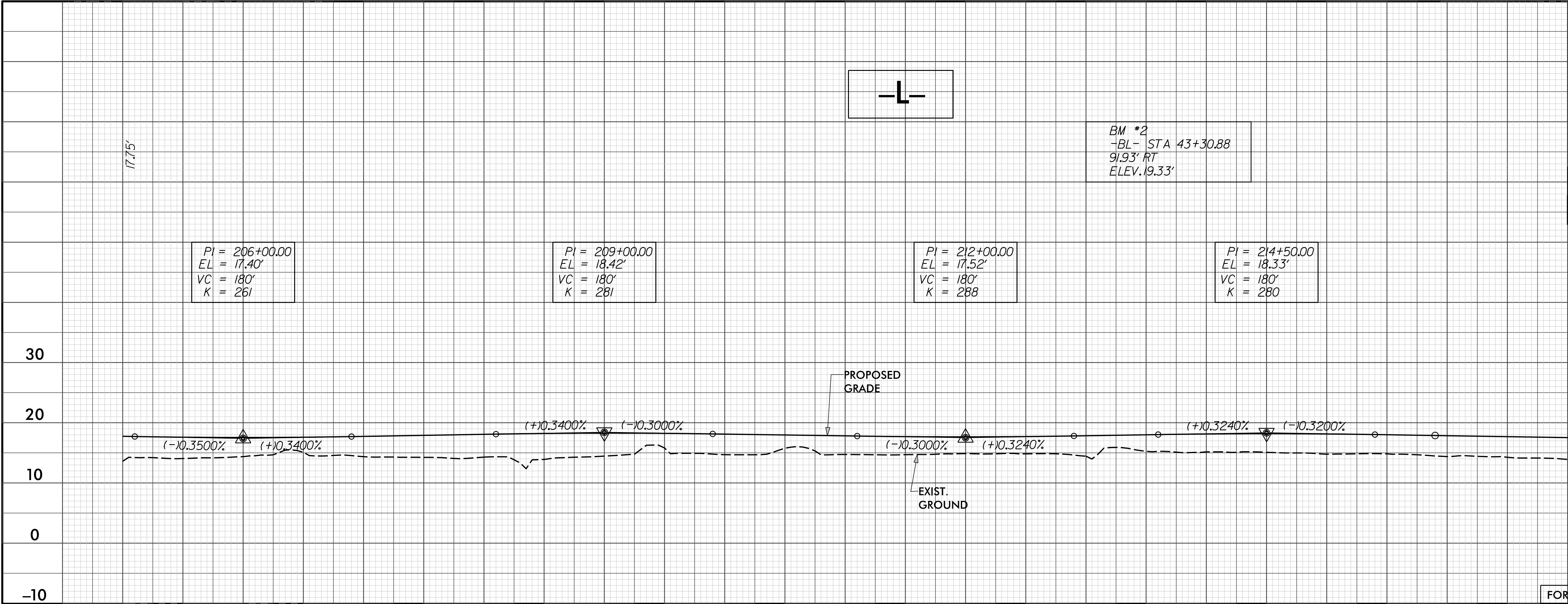
|                                                                                                                                                                                   |                                                                                                                                                                      |                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| PROJECT REFERENCE NO.<br><i>R-3403B</i>                                                                                                                                           |                                                                                                                                                                      | SHEET NO.<br><i>38</i> |
| ROADWAY DESIGN<br>ENGINEER                                                                                                                                                        | HYDRAULICS<br>ENGINEER                                                                                                                                               |                        |
| INCOMPLETE PLANS<br>DO NOT USE FOR R/W ACQUISITION                                                                                                                                |                                                                                                                                                                      |                        |
| DOCUMENT NOT CONSIDERED FINAL<br>UNLESS ALL SIGNATURES COMPLETED                                                                                                                  |                                                                                                                                                                      |                        |
| <small>Michael Baker Engineering, Inc.<br/>10000 Rte. 100<br/>Suite 100<br/>Charlotte, NC 28215<br/>Tel: 704.366.1000<br/>Fax: 704.366.1001<br/>INTERNET: www.mbakeng.com</small> | <small>SUNGATE DESIGN GROUP, P.A.<br/>111 Jones Franklin Road<br/>Wilmington, NC 28403<br/>Tel: 910.791.1111<br/>Fax: 910.791.1112<br/>www.sungatedesign.com</small> |                        |



8/7/2018  
R-3403B-Hyd\_PSH\_PFL.dgn  
bclan

5/28/99

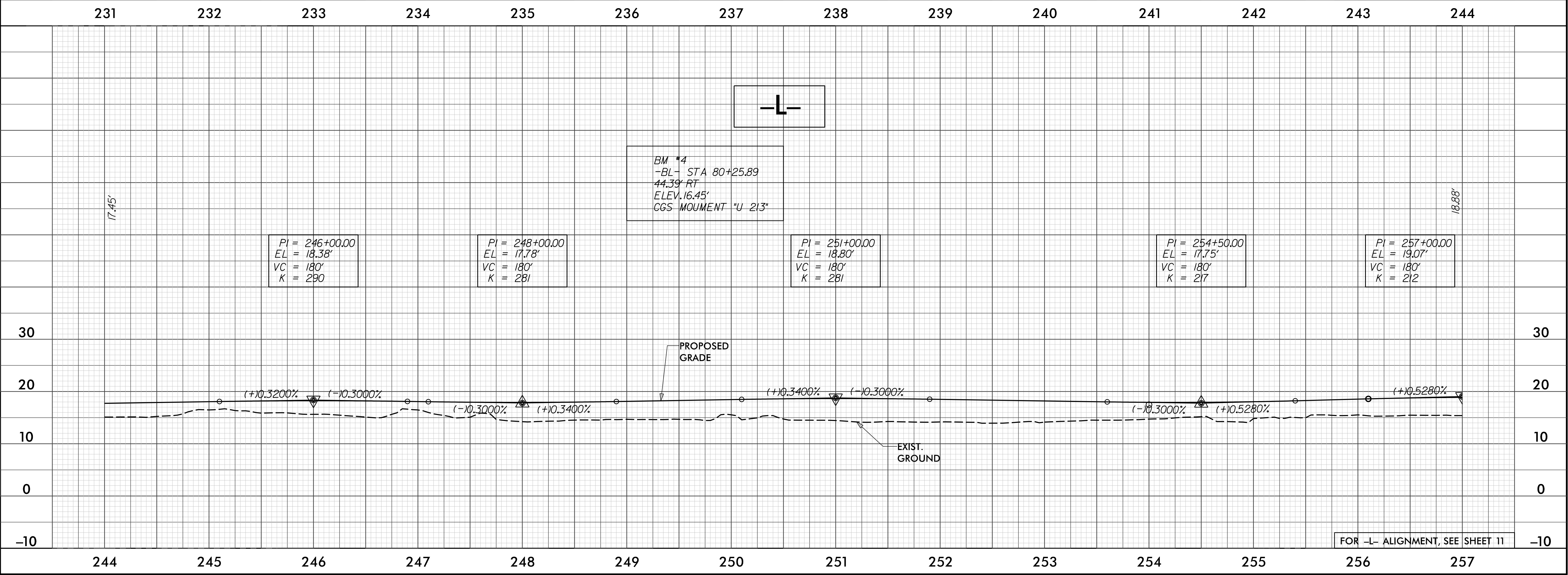
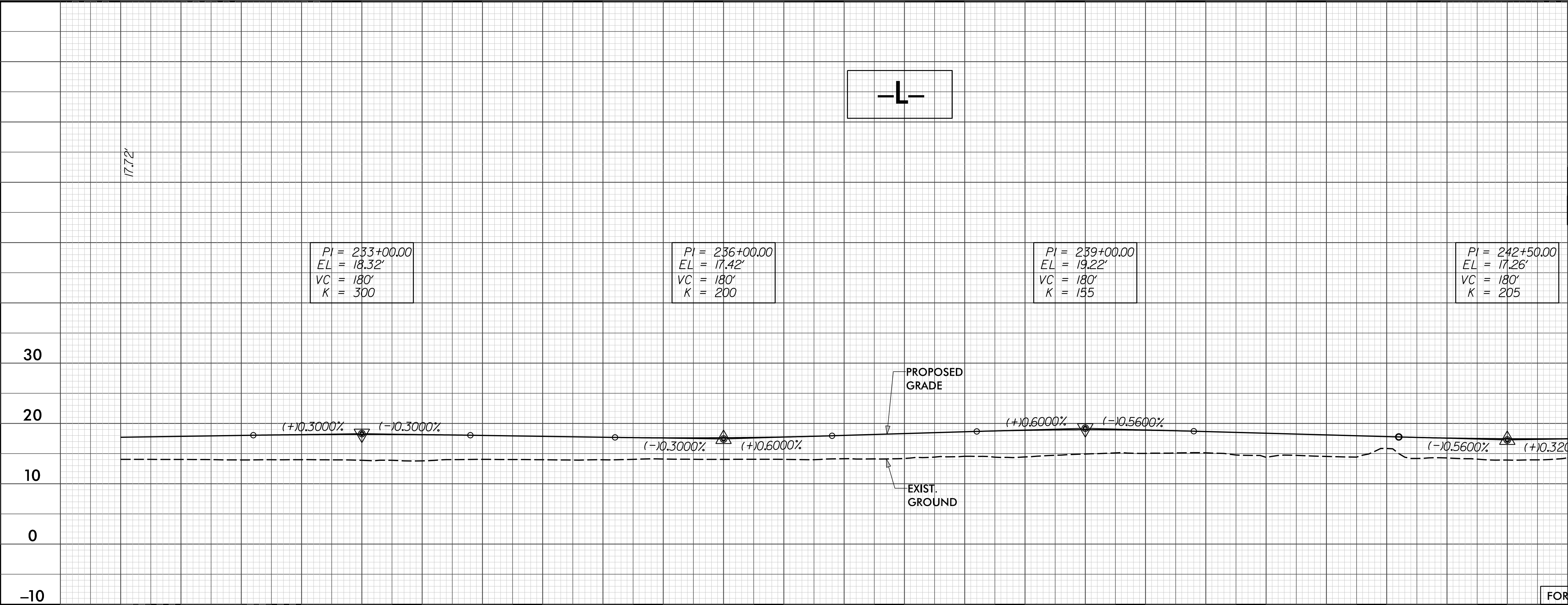
|                                                                                                                                                              |                                                                                                                                                       |                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| PROJECT REFERENCE NO.<br><i>R-3403B</i>                                                                                                                      |                                                                                                                                                       | SHEET NO.<br><i>39</i> |
| ROADWAY DESIGN<br>ENGINEER                                                                                                                                   | HYDRAULICS<br>ENGINEER                                                                                                                                |                        |
| <div>INCOMPLETE PLANS<br/>DO NOT USE FOR R/W ACQUISITION</div>                                                                                               |                                                                                                                                                       |                        |
| DOCUMENT NOT CONSIDERED FINAL<br>UNLESS ALL SIGNATURES COMPLETED                                                                                             |                                                                                                                                                       |                        |
| <div>Michael Baker Engineering, Inc.<br/>10000 Old Highway 100<br/>Charlotte, NC 28226<br/>Tel: 704.366.1000<br/>Fax: 704.366.1001<br/>www.mbakeng.com</div> | <div>SUNGATE DESIGN GROUP, P.A.<br/>11000 SunGate Drive<br/>Charlotte, NC 28226<br/>Tel: 704.366.1000<br/>Fax: 704.366.1001<br/>www.sungate.com</div> |                        |



8/7/2018  
R-3403B-Hyd\_PSH\_PFL.dgn  
bclm

5/28/99

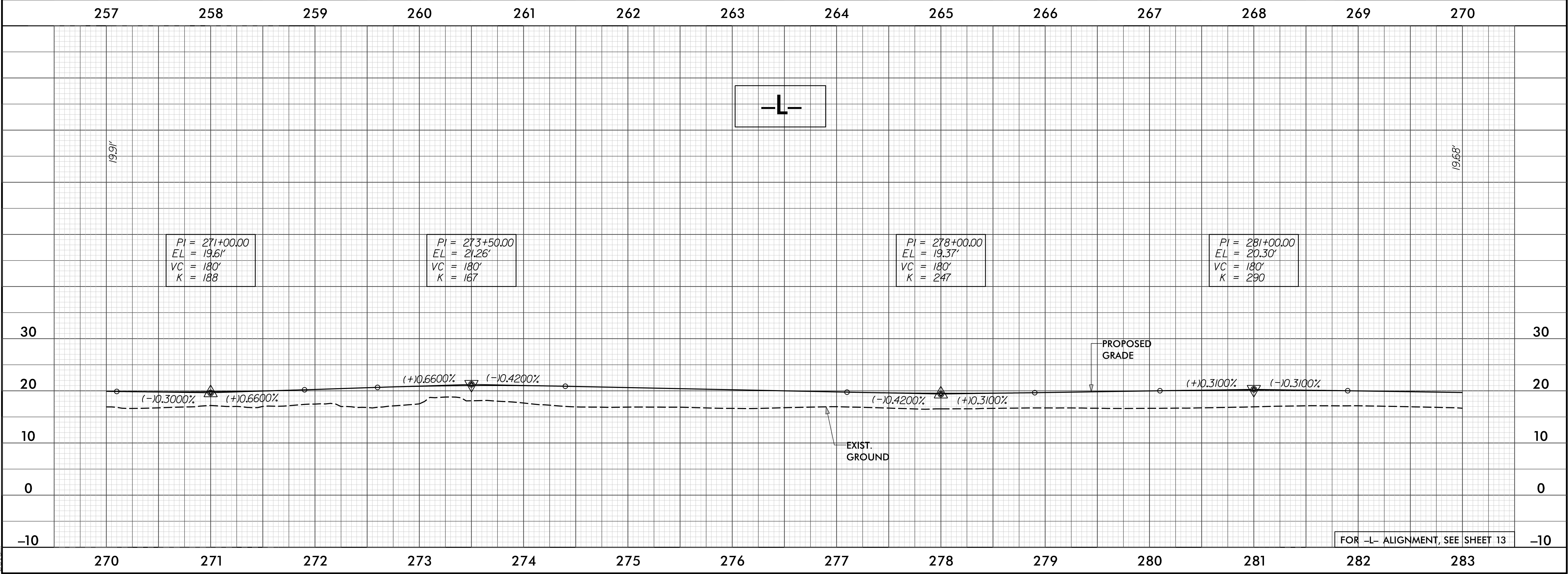
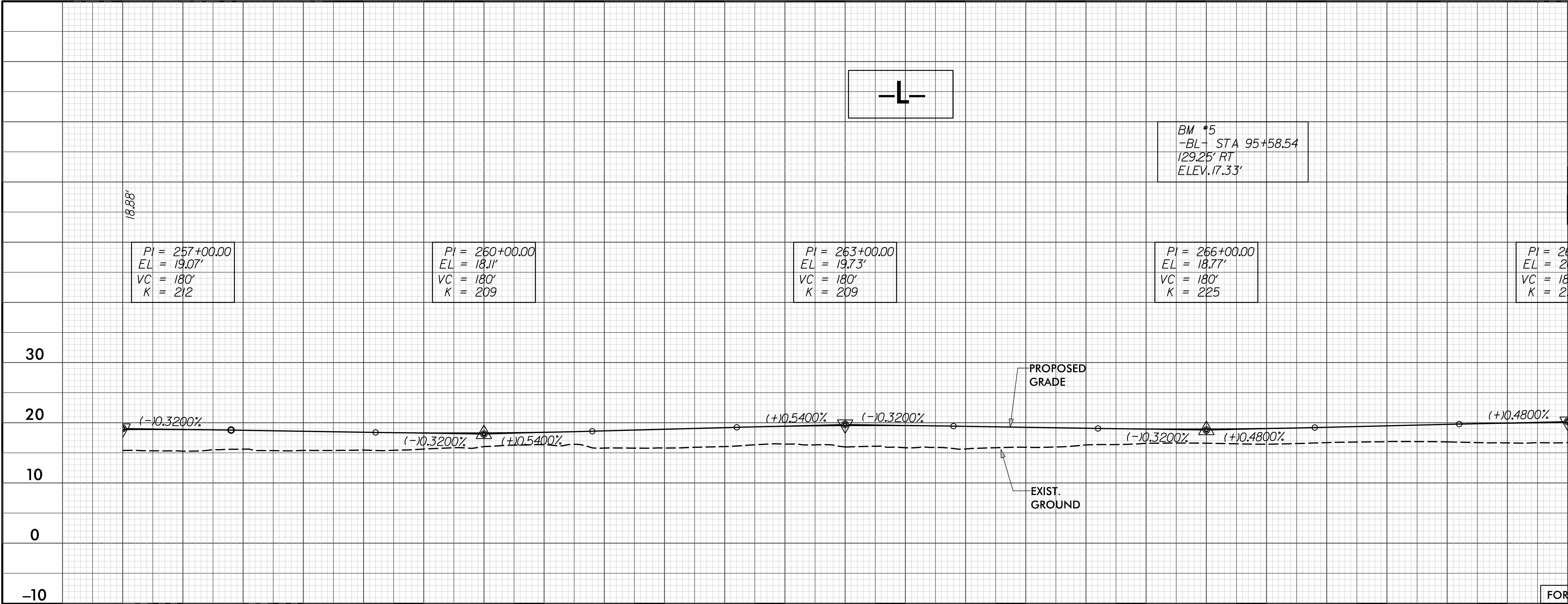
|                                                                                                                                    |                                                                                                                          |                        |
|------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|------------------------|
| PROJECT REFERENCE NO.<br><i>R-3403B</i>                                                                                            |                                                                                                                          | SHEET NO.<br><i>40</i> |
| ROADWAY DESIGN<br>ENGINEER                                                                                                         | HYDRAULICS<br>ENGINEER                                                                                                   |                        |
| <div>INCOMPLETE PLANS<br/>DO NOT USE FOR R/W ACQUISITION</div>                                                                     |                                                                                                                          |                        |
| DOCUMENT NOT CONSIDERED FINAL<br>UNLESS ALL SIGNATURES COMPLETED                                                                   |                                                                                                                          |                        |
| <div>Michael Baker Engineering, Inc.<br/>10000 Research Parkway<br/>Charlotte, NC 27518<br/>INTERNATIONAL NC License: E-1084</div> | <div>SUNGATE DESIGN GROUP, P.A.<br/>111 JONES FRANKLIN ROAD<br/>WALTON, NORTH CAROLINA 27578<br/>NC CDA No. C-0990</div> |                        |



8/7/2018  
R-3403B-Hyd\_PSH\_PFL.dgn  
bclan

5/28/99

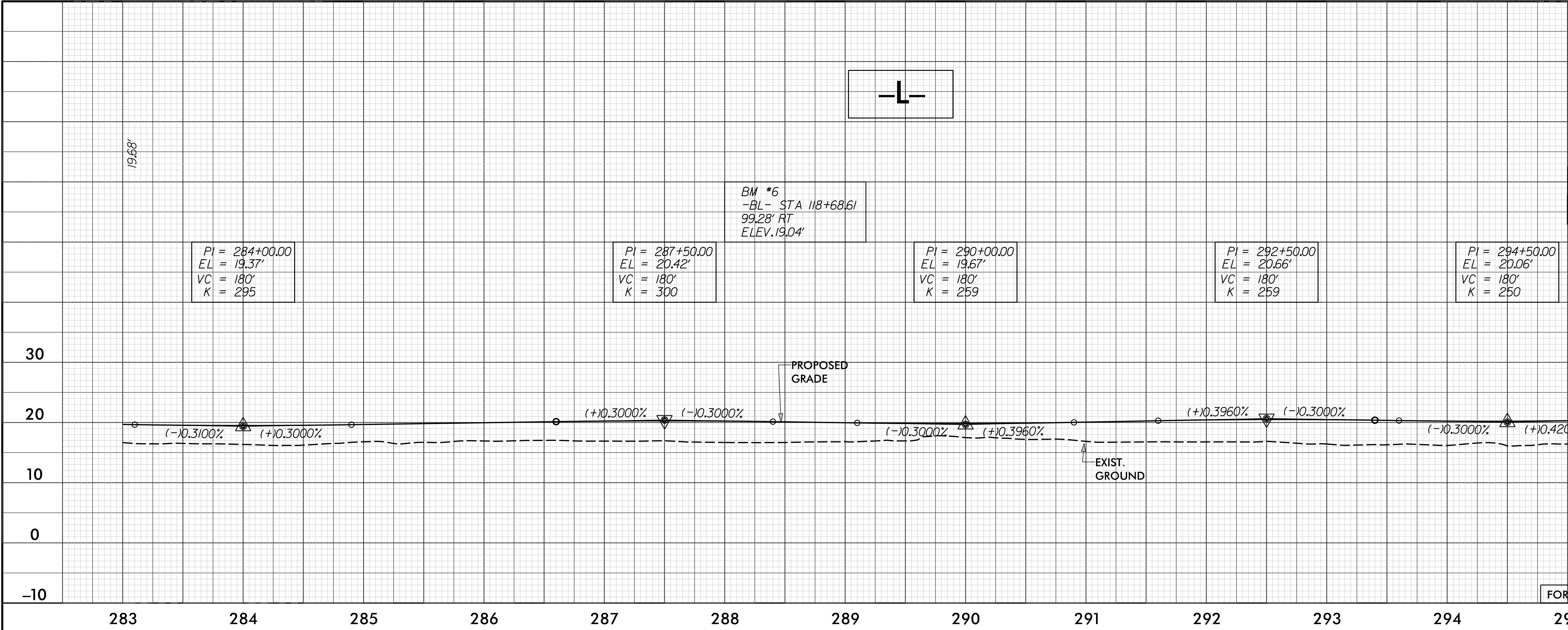
|                                                                                                                                        |                                                                                                                              |                        |
|----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|------------------------|
| PROJECT REFERENCE NO.<br><i>R-3403B</i>                                                                                                |                                                                                                                              | SHEET NO.<br><i>41</i> |
| ROADWAY DESIGN<br>ENGINEER                                                                                                             | HYDRAULICS<br>ENGINEER                                                                                                       |                        |
| INCOMPLETE PLANS<br>DO NOT USE FOR R/W ACQUISITION                                                                                     |                                                                                                                              |                        |
| DOCUMENT NOT CONSIDERED FINAL<br>UNLESS ALL SIGNATURES COMPLETED                                                                       |                                                                                                                              |                        |
| <small>Michael Baker Engineering, Inc.<br/>10000 Research Parkway<br/>Suite 100<br/>Charlotte, NC 27518<br/>NC License: E-1084</small> | <small>SUNGATE DESIGN GROUP, P.A.<br/>111 JONES FRANKLIN ROAD<br/>WALTON, NORTH CAROLINA 27578<br/>NC CDA No. C-0980</small> |                        |



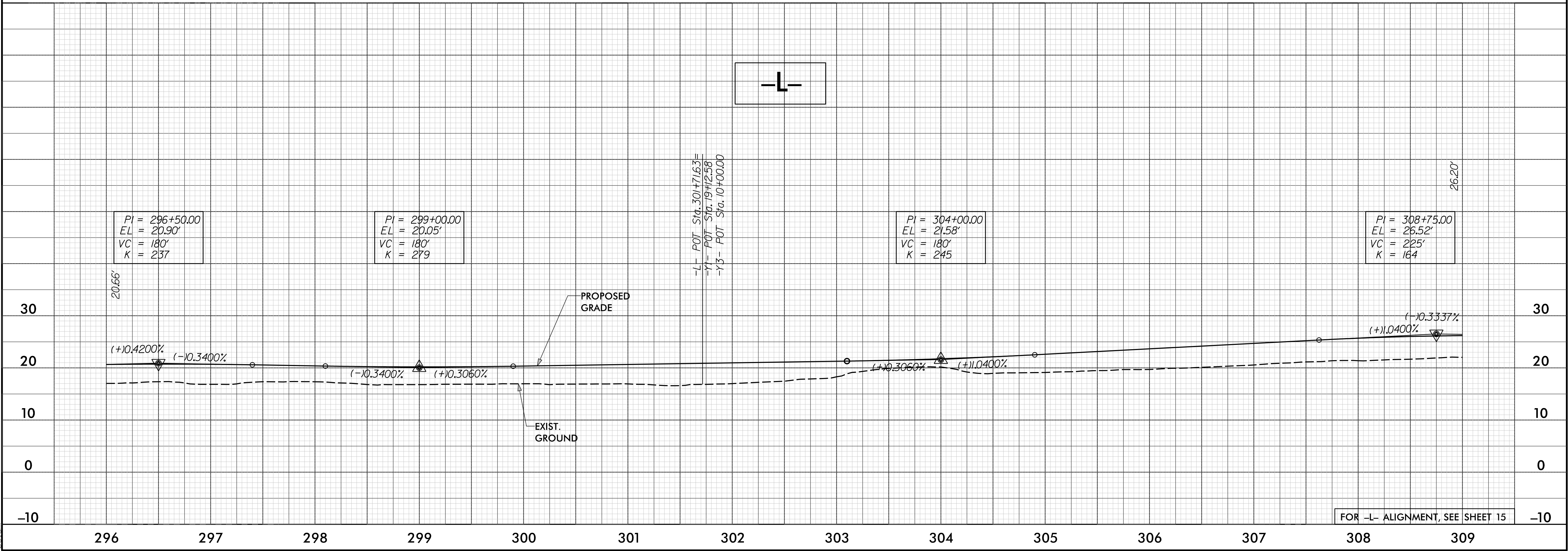
8/7/2018  
R-3403B-Hyd\_PSH\_PFL.dgn  
bclan

5/28/99

|                                                                                                                                 |  |                                                                                                                                          |  |
|---------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------|--|
| PROJECT REFERENCE NO.                                                                                                           |  | SHEET NO.                                                                                                                                |  |
| ROADWAY DESIGN ENGINEER                                                                                                         |  | HYDRAULICS ENGINEER                                                                                                                      |  |
| INCOMPLETE PLANS<br>DO NOT USE FOR R/W ACQUISITION                                                                              |  |                                                                                                                                          |  |
| DOCUMENT NOT CONSIDERED FINAL<br>UNLESS ALL SIGNATURES COMPLETED                                                                |  |                                                                                                                                          |  |
| Michael Baker Engineering, Inc.<br>10000 Rte. 100<br>Suite 100<br>Charlotte, NC 28215<br>Tel: 704.366.1000<br>Fax: 704.366.1001 |  | SUNGATE DESIGN GROUP, P.A.<br>1111 JAMES STREET, SUITE 200<br>WILMINGTON, NORTH CAROLINA 28401<br>Tel: 910.342.1000<br>Fax: 910.342.1001 |  |

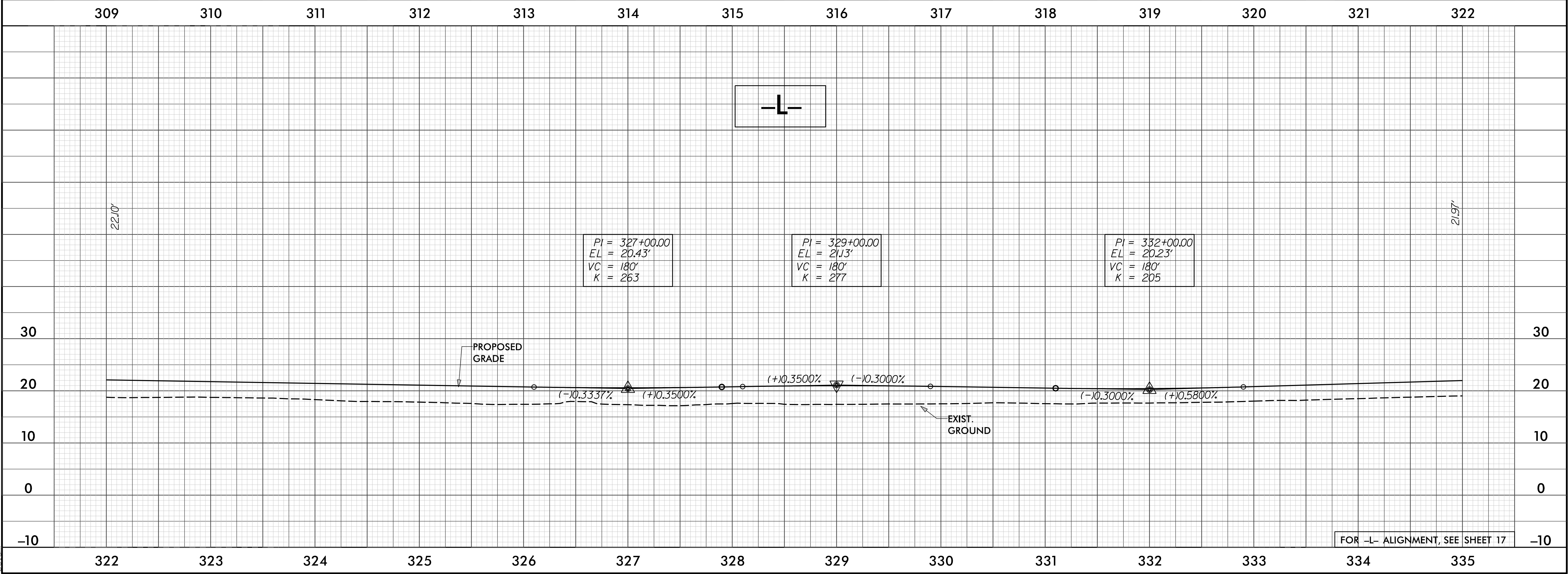
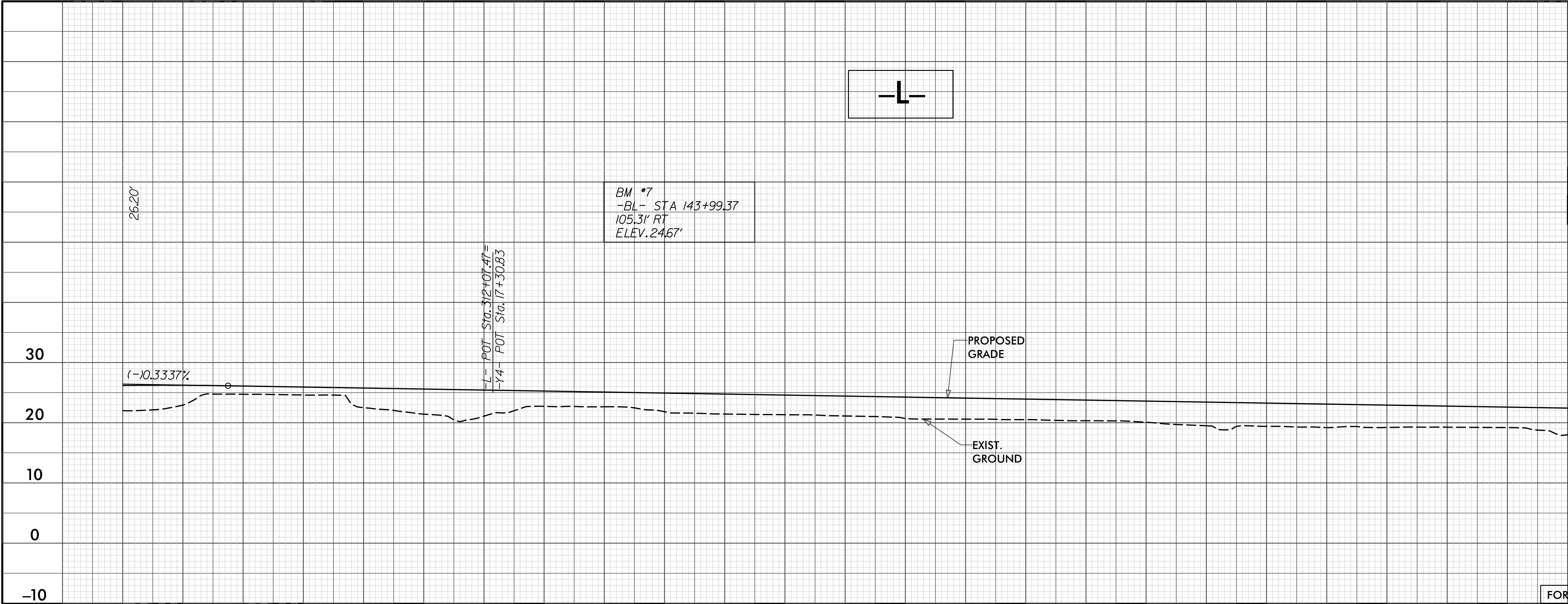


8/7/2018  
B34038-Hyd\_PSH\_PFL.dgn  
balan



5/28/99

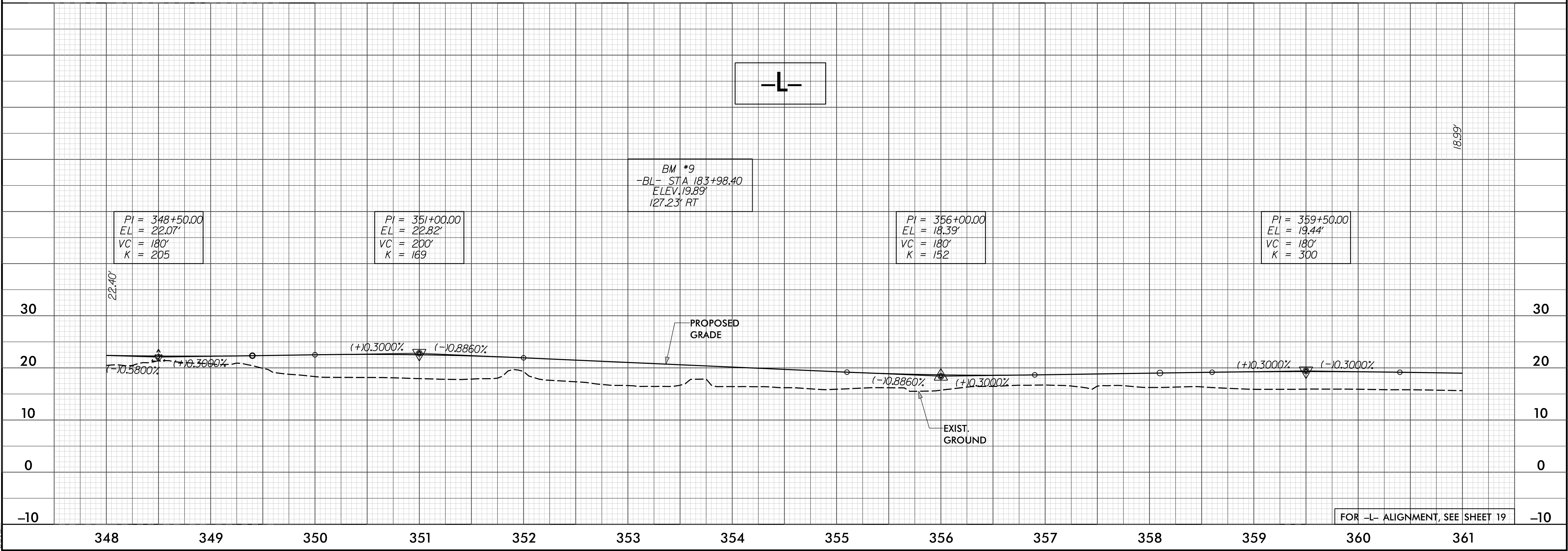
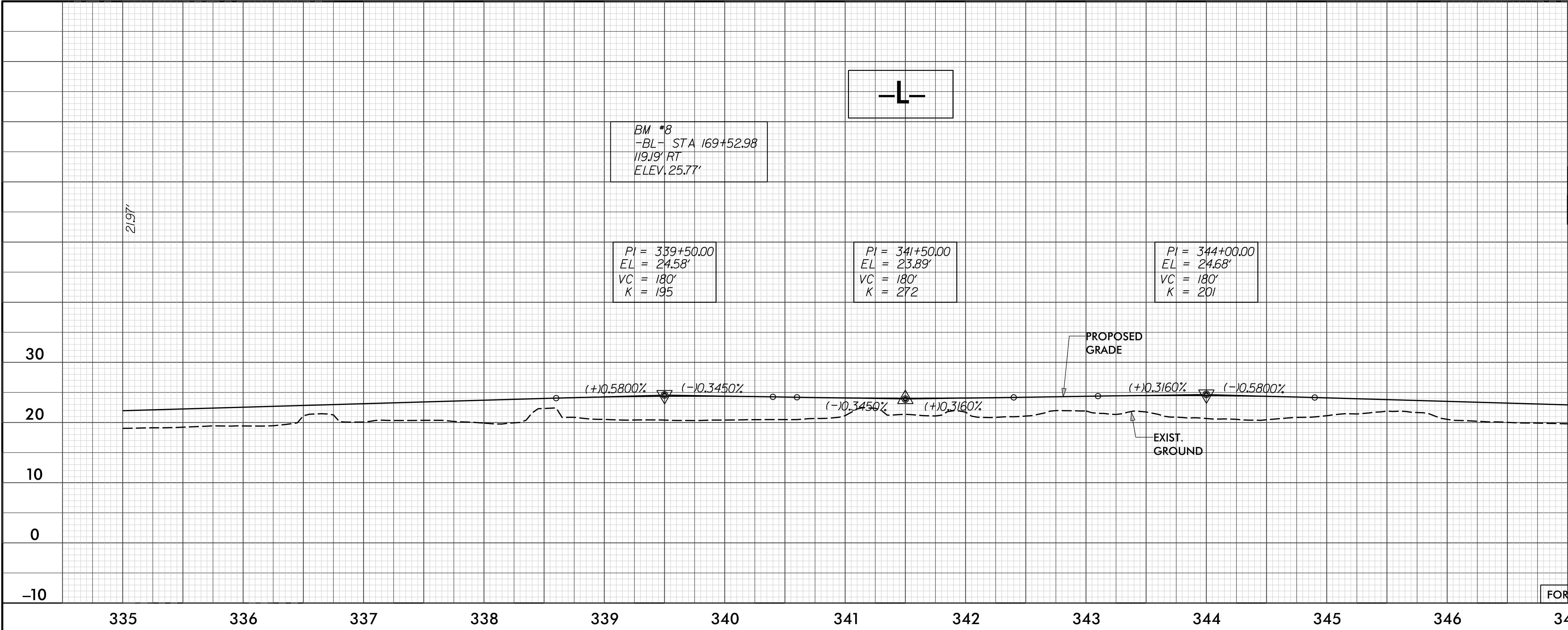
|                                                                                                                                                                               |                                                                                                                                                    |                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| PROJECT REFERENCE NO.<br><i>R-3403B</i>                                                                                                                                       |                                                                                                                                                    | SHEET NO.<br><i>43</i> |
| ROADWAY DESIGN<br>ENGINEER                                                                                                                                                    | HYDRAULICS<br>ENGINEER                                                                                                                             |                        |
| INCOMPLETE PLANS<br>DO NOT USE FOR R/W ACQUISITION                                                                                                                            |                                                                                                                                                    |                        |
| DOCUMENT NOT CONSIDERED FINAL<br>UNLESS ALL SIGNATURES COMPLETED                                                                                                              |                                                                                                                                                    |                        |
| <small>Michael Baker Engineering, Inc.<br/>10000 Research Parkway<br/>Suite 100<br/>Charlotte, NC 27518<br/>Tel: 704.366.1000<br/>Fax: 704.366.1001<br/>INTERNATIONAL</small> | <small>SUNGATE DESIGN GROUP, P.A.<br/>111 JONES FRANKLIN ROAD<br/>WALTON, NORTH CAROLINA 28078<br/>Tel: 704.366.1000<br/>Fax: 704.366.1001</small> |                        |



8/7/2018  
R-3403B-Hyd\_PSH\_PFL.dgn  
bclm

5/28/99

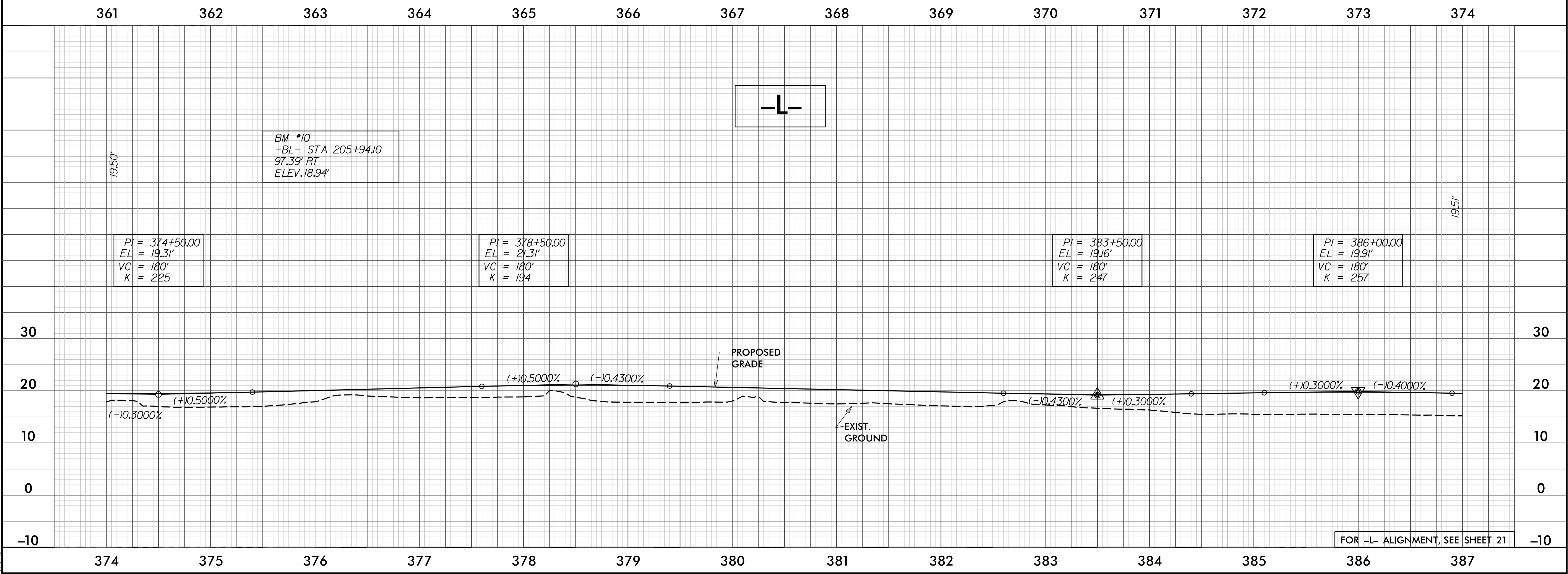
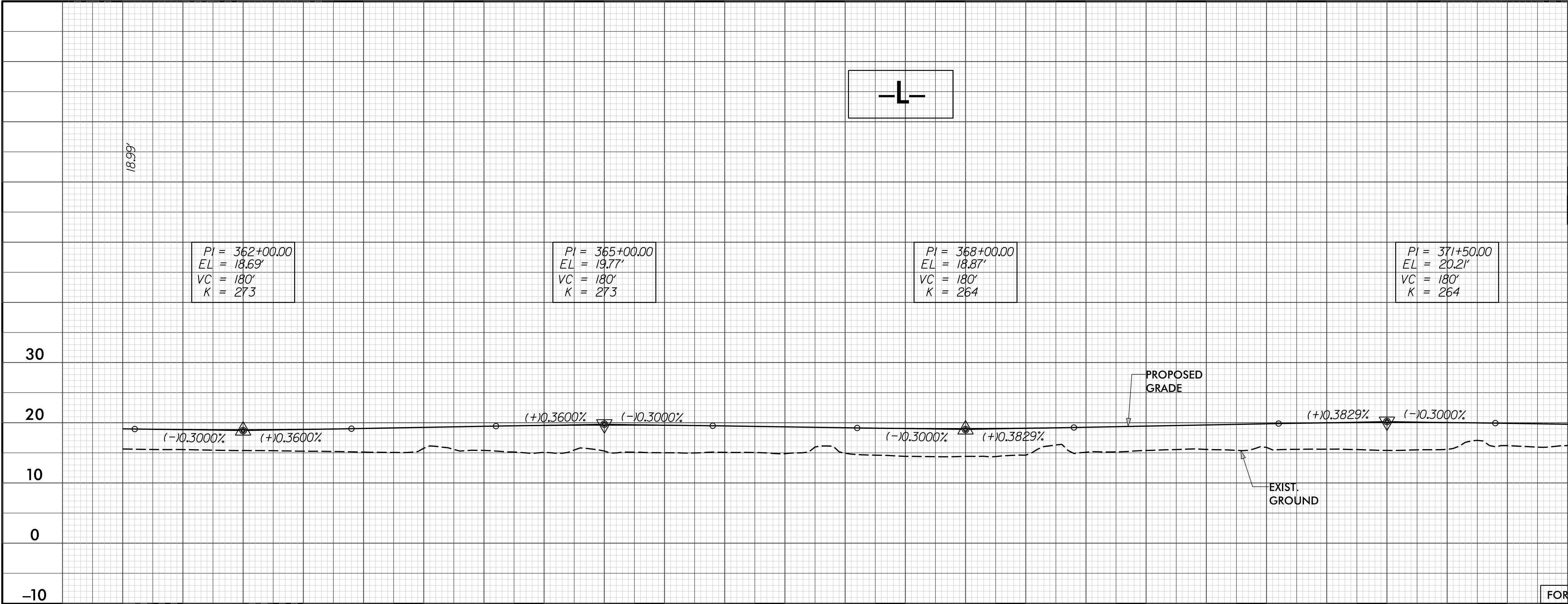
|                                                                                                                                                                                 |                                                                                                                                                                     |                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| PROJECT REFERENCE NO.<br><i>R-3403B</i>                                                                                                                                         |                                                                                                                                                                     | SHEET NO.<br><i>44</i> |
| ROADWAY DESIGN<br>ENGINEER                                                                                                                                                      | HYDRAULICS<br>ENGINEER                                                                                                                                              |                        |
| INCOMPLETE PLANS<br>DO NOT USE FOR R/W ACQUISITION                                                                                                                              |                                                                                                                                                                     |                        |
| DOCUMENT NOT CONSIDERED FINAL<br>UNLESS ALL SIGNATURES COMPLETED                                                                                                                |                                                                                                                                                                     |                        |
| <small>Michael Baker Engineering, Inc.<br/>10000 Old Airport Road<br/>Suite 100<br/>Charlotte, NC 28215<br/>Tel: 704.366.1000<br/>Fax: 704.366.1001<br/>www.mbakeng.com</small> | <small>SUNGATE DESIGN GROUP, P.A.<br/>1111 JONES FARM ROAD<br/>WALTON, NORTH CAROLINA 28688<br/>Tel: 704.833.1111<br/>Fax: 704.833.1112<br/>www.sungate.com</small> |                        |



8-17-2018  
R-3403B-Hyd\_PSH\_PFL.dgn  
balan

5/28/99

|                                                                                                                                                                                   |                                                                                                                                                                      |                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| PROJECT REFERENCE NO.<br><i>R-3403B</i>                                                                                                                                           |                                                                                                                                                                      | SHEET NO.<br><i>45</i> |
| ROADWAY DESIGN<br>ENGINEER                                                                                                                                                        | HYDRAULICS<br>ENGINEER                                                                                                                                               |                        |
| INCOMPLETE PLANS<br>DO NOT USE FOR R/W ACQUISITION                                                                                                                                |                                                                                                                                                                      |                        |
| DOCUMENT NOT CONSIDERED FINAL<br>UNLESS ALL SIGNATURES COMPLETED                                                                                                                  |                                                                                                                                                                      |                        |
| <small>Michael Baker Engineering, Inc.<br/>10000 Rte. 100<br/>Suite 100<br/>Charlotte, NC 28226<br/>Tel: 704.366.1000<br/>Fax: 704.366.1001<br/>INTERNET: www.mbakeng.com</small> | <small>SUNGATE DESIGN GROUP, P.A.<br/>111 Jones Franklin Road<br/>Wilmington, NC 28403<br/>Tel: 910.775.1111<br/>Fax: 910.775.1112<br/>WWW.SUNGATEDESIGN.COM</small> |                        |



8/7/2018  
R-3403B-Hyd\_PSH\_PFL.dgn  
bela

5/28/99

PROJECT REFERENCE NO.  
*R-3403B*

SHEET NO.  
*46*

ROADWAY DESIGN  
ENGINEER

HYDRAULICS  
ENGINEER

INCOMPLETE PLANS  
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

Michael Baker Engineering, Inc.

8000 Regency Place  
Suite 100  
Cary, NC 27518  
NC License: E-1084

INTERNATIONAL

SUNGATE DESIGN GROUP, P.A.

111 JONES FRANKLIN ROAD  
WALTON, NORTH CAROLINA 27890  
NC CCA No. C-0990



**Sheet 1 (Top):**

- Stations: 387 to 400
- Vertical Curves:
  - VC 1: PI = 389+75.00, EL = 18.41', VC = 180', K = 214
  - VC 2: PI = 391+75.00, EL = 19.29', VC = 180', K = 214
  - VC 3: PI = 393+75.00, EL = 18.49', VC = 180', K = 200
- Grades: (-)0.4000%, (+)0.4400%, (-)0.4000%, (-)0.4000%, (+)0.5000%
- Labels: PROPOSED GRADE, EXIST. GROUND
- Boxed 'L' symbol
- Bottom label: FOR -L- ALIGNMENT, SEE SHEET 22

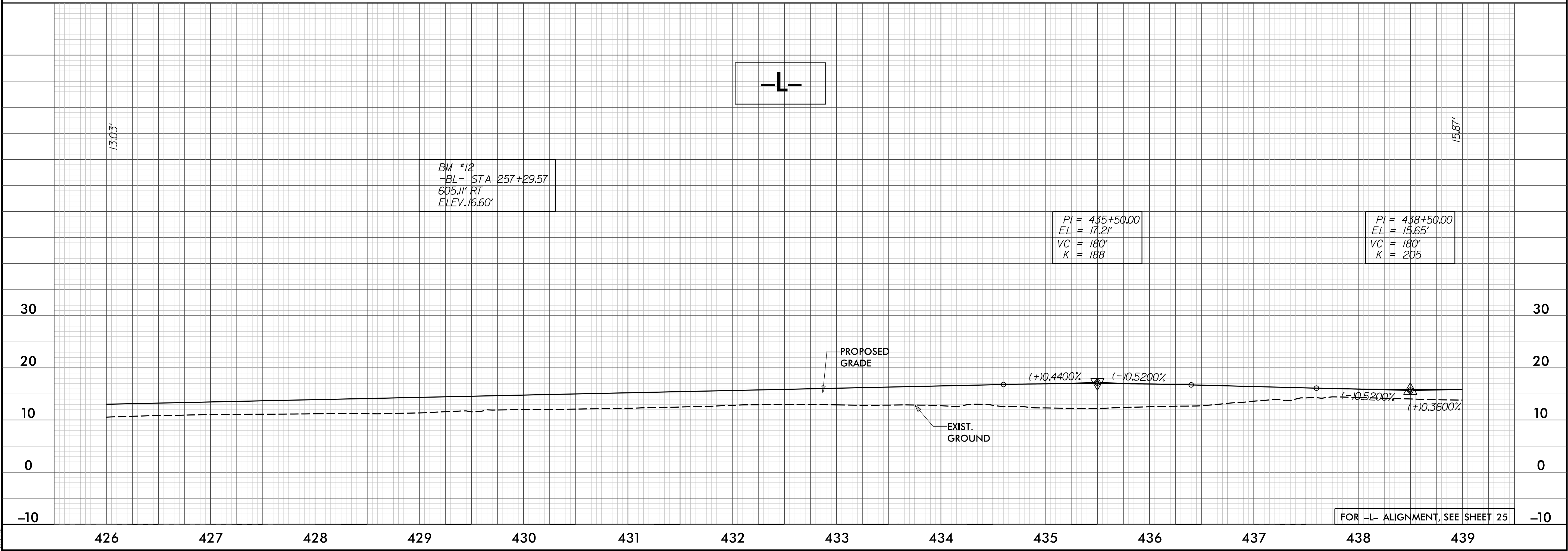
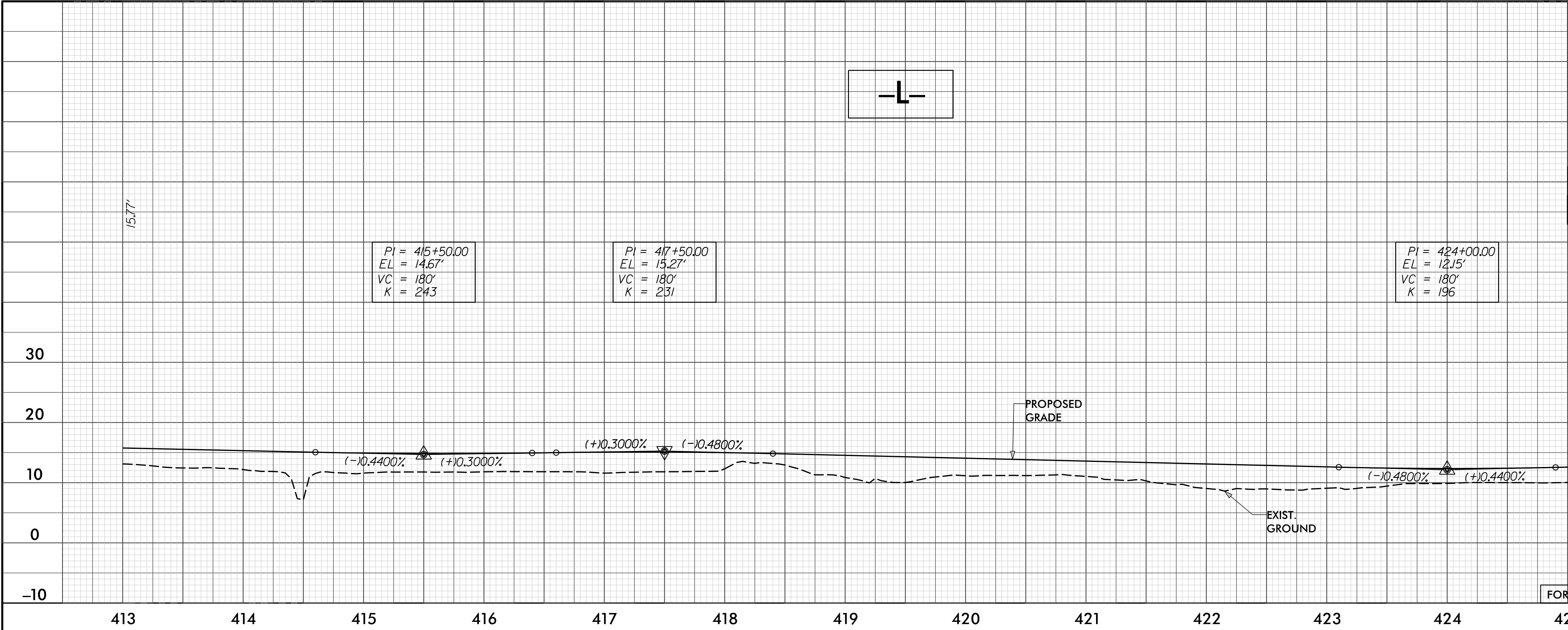
**Sheet 2 (Bottom):**

- Stations: 400 to 413
- Vertical Curves:
  - VC 4: PI = 401+25.00, EL = 22.24', VC = 250', K = 162
  - VC 5: PI = 406+50.00, EL = 16.78', VC = 200', K = 149
  - VC 6: PI = 409+00.00, EL = 17.53', VC = 180', K = 243
- Grades: (+)0.5000%, (-)0.4000%, (-)0.4000%, (-)0.4000%, (+)0.3000%, (-)0.4400%
- Labels: PROPOSED GRADE, EXIST. GROUND
- Boxed 'L' symbol
- Vertical line: L= POC STA. 403+56.15' -Y5- POC STA. 15+92.55'
- Bottom label: FOR -L- ALIGNMENT, SEE SHEET 23

8/7/2018  
R-3403B-Hyd\_PSH\_PFL.dgn  
bclm

5/28/99

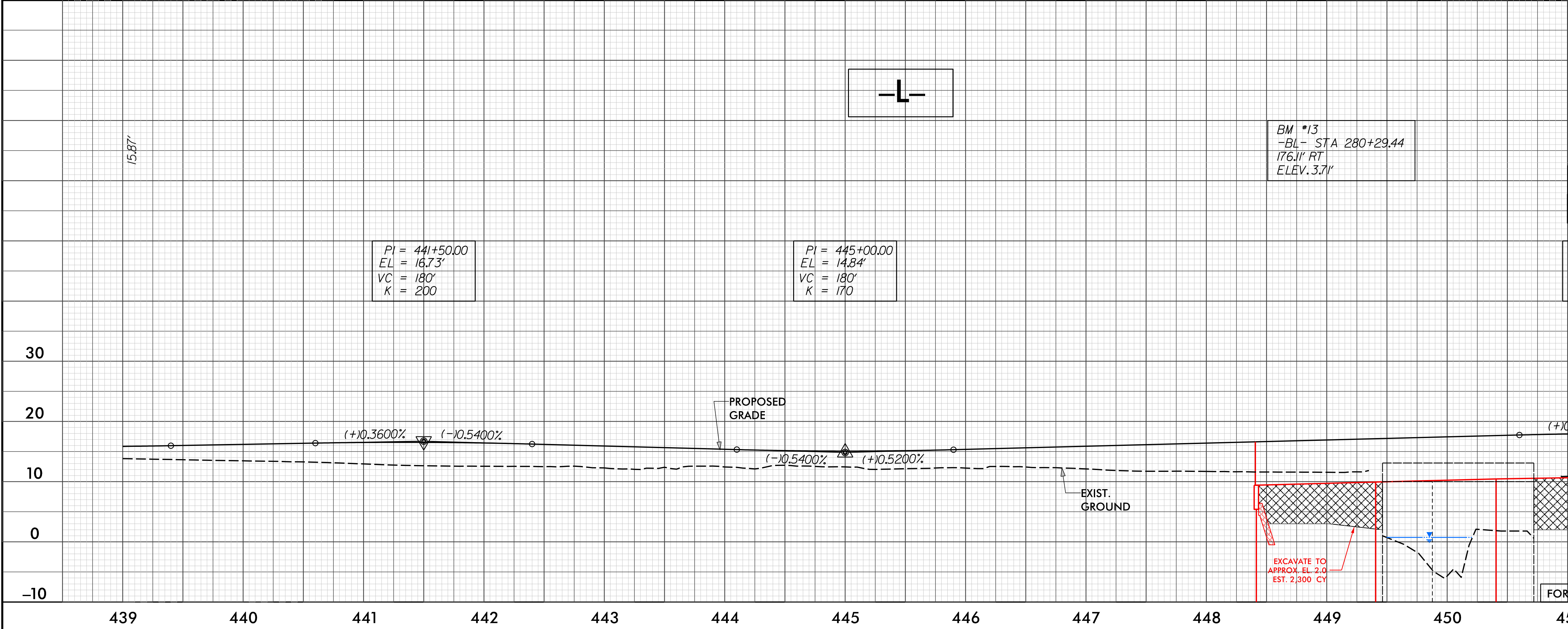
|                                                                                                                                                                            |                                                                                                                                                                       |                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| PROJECT REFERENCE NO.<br><i>R-3403B</i>                                                                                                                                    |                                                                                                                                                                       | SHEET NO.<br><i>47</i> |
| ROADWAY DESIGN<br>ENGINEER                                                                                                                                                 | HYDRAULICS<br>ENGINEER                                                                                                                                                |                        |
| INCOMPLETE PLANS<br>DO NOT USE FOR R/W ACQUISITION                                                                                                                         |                                                                                                                                                                       |                        |
| DOCUMENT NOT CONSIDERED FINAL<br>UNLESS ALL SIGNATURES COMPLETED                                                                                                           |                                                                                                                                                                       |                        |
| <small>Michael Baker Engineering, Inc.<br/>10000 Highway 100<br/>Suite 100<br/>Charlotte, NC 28226<br/>Tel: 704.366.1000<br/>Fax: 704.366.1001<br/>www.mbakeng.com</small> | <small>SUNGATE DESIGN GROUP, P.A.<br/>1111 Jones Franklin Road<br/>Wilmington, NC 28403<br/>Tel: 910.791.1111<br/>Fax: 910.791.1112<br/>www.sungatedesign.com</small> |                        |



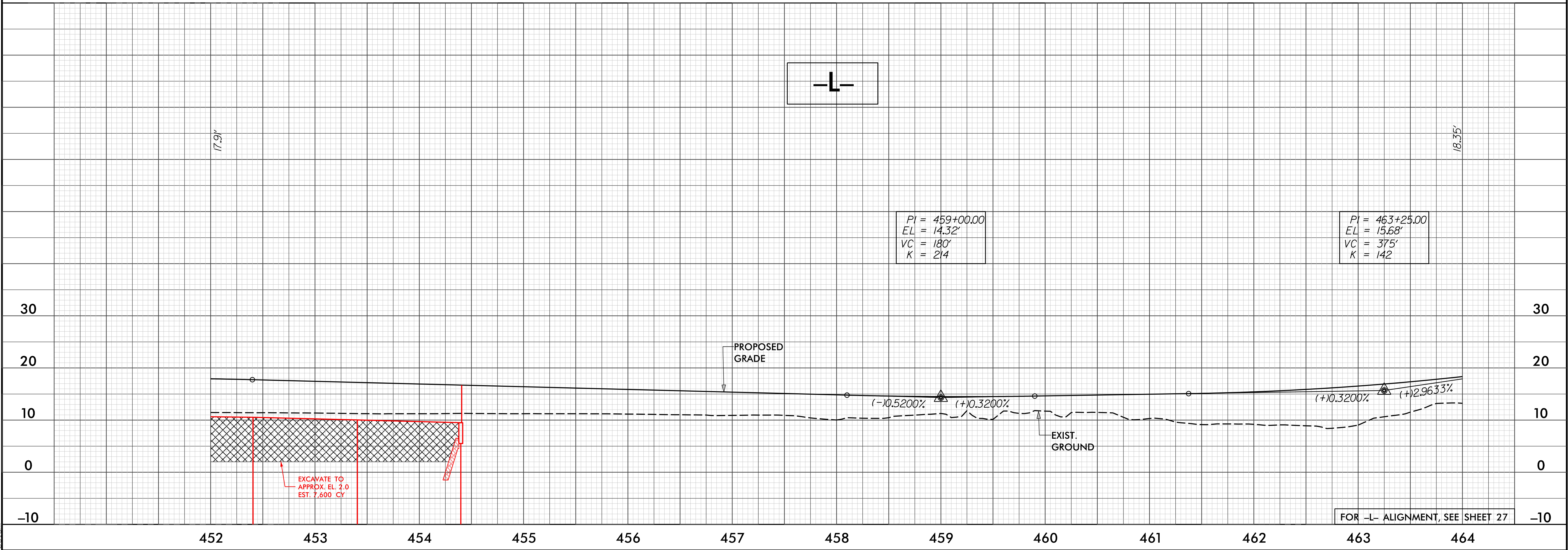
8/7/2018  
R-3403B-Hyd\_PSH\_PFL.dgn  
bclan

5/28/99

|                                                                                                                                    |                                                                                                                          |                        |
|------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|------------------------|
| PROJECT REFERENCE NO.<br><i>R-3403B</i>                                                                                            |                                                                                                                          | SHEET NO.<br><i>48</i> |
| ROADWAY DESIGN<br>ENGINEER                                                                                                         | HYDRAULICS<br>ENGINEER                                                                                                   |                        |
| <div>INCOMPLETE PLANS<br/>DO NOT USE FOR R/W ACQUISITION</div>                                                                     |                                                                                                                          |                        |
| DOCUMENT NOT CONSIDERED FINAL<br>UNLESS ALL SIGNATURES COMPLETED                                                                   |                                                                                                                          |                        |
| <div>Michael Baker Engineering, Inc.<br/>10000 Research Parkway<br/>Suite 100<br/>Charlotte, NC 27518<br/>NC License: E-1084</div> | <div>SUNGATE DESIGN GROUP, P.A.<br/>111 JONES FRANKLIN ROAD<br/>WALTON, NORTH CAROLINA 27578<br/>NC CCA No. C-0950</div> |                        |

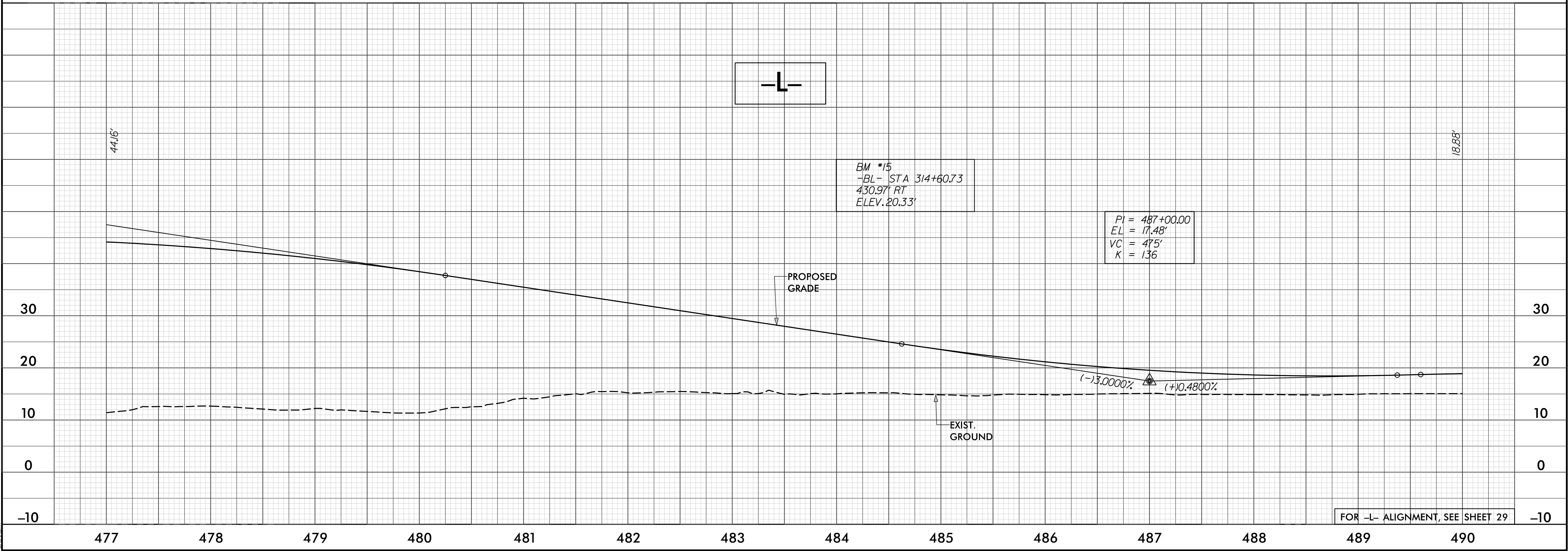
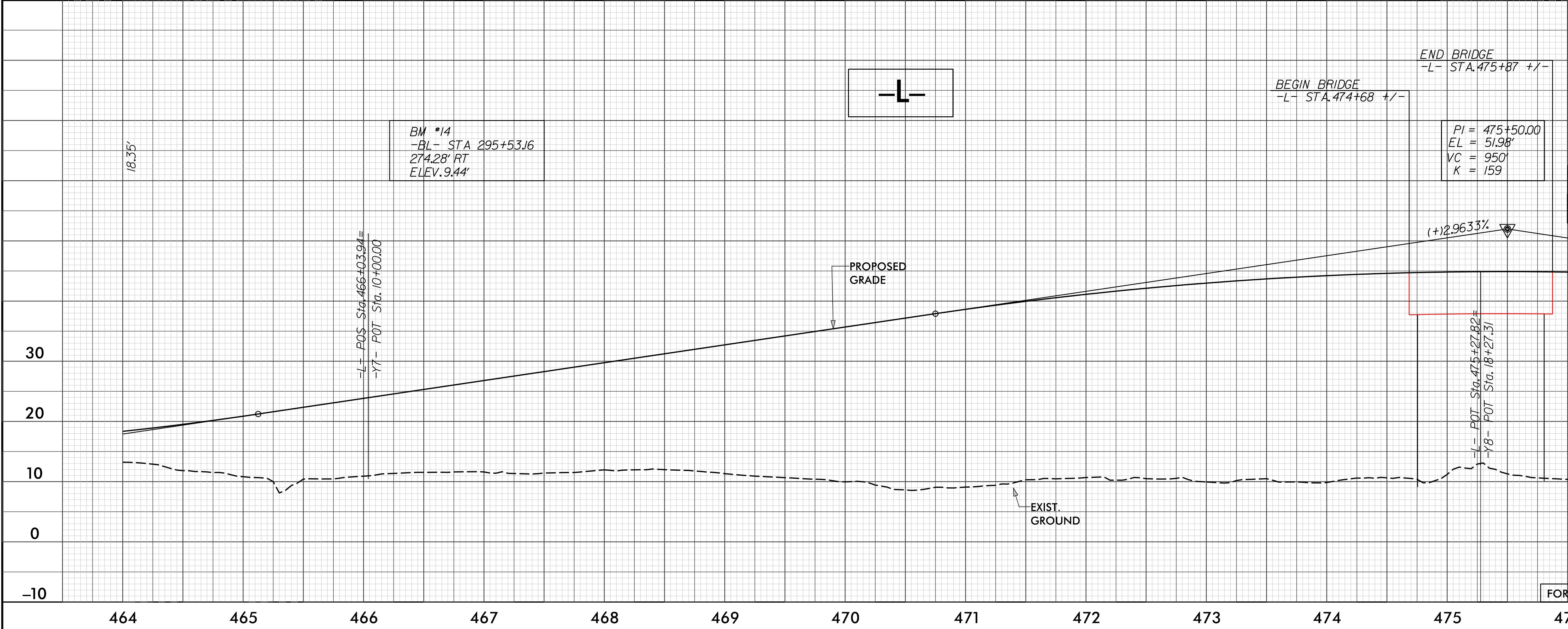


8/7/2018  
R-3403B-Hyd\_PSH\_PFL.dgn  
bclm



5/28/99

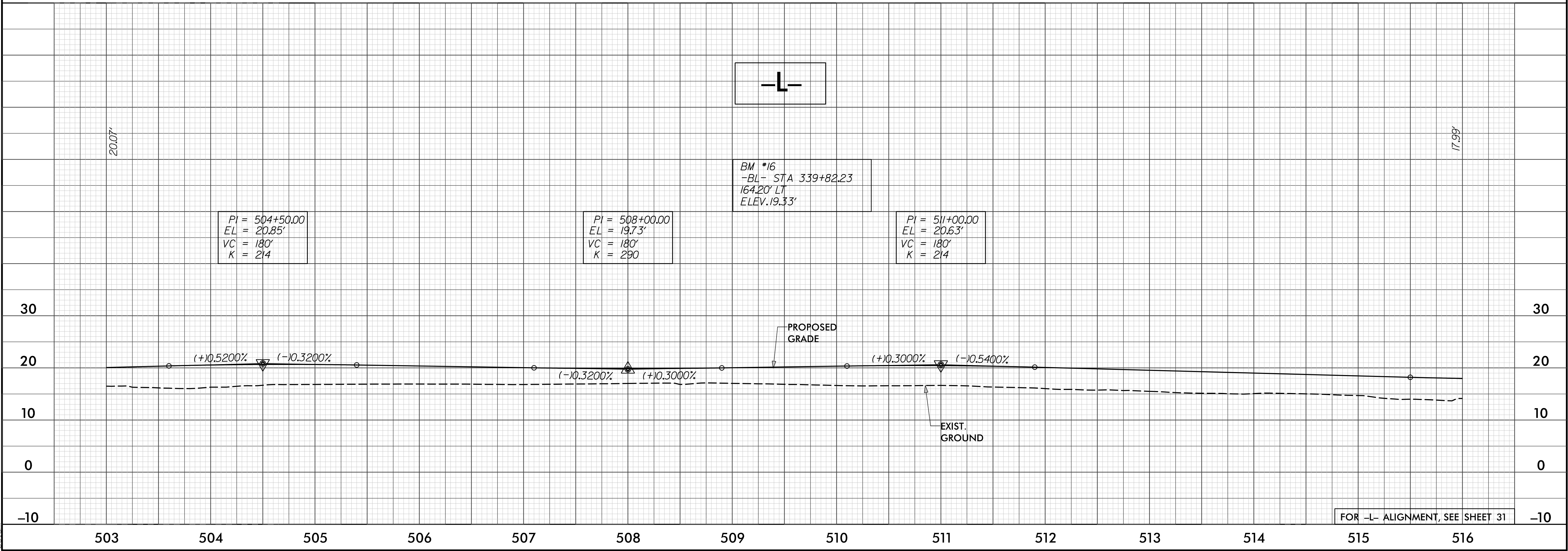
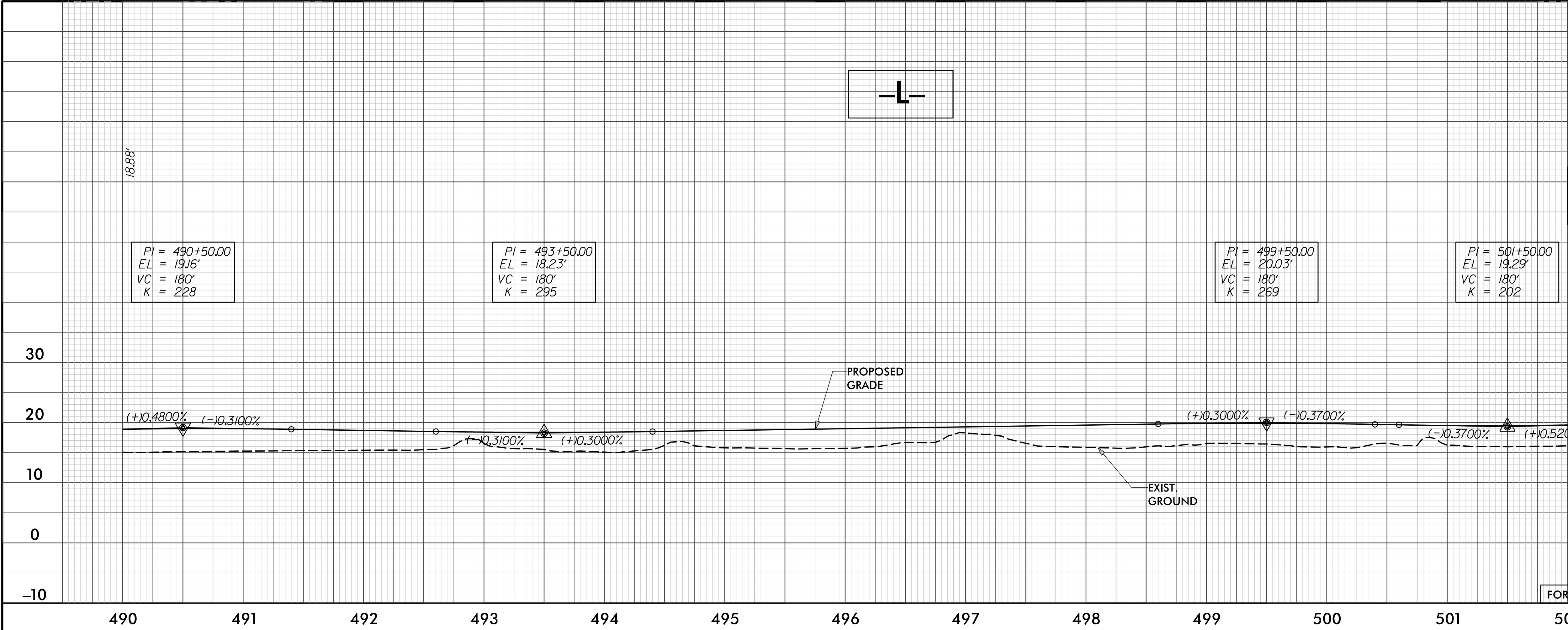
|                                                                                                                                                                        |                                                                                                                                                           |                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| PROJECT REFERENCE NO.<br><i>R-3403B</i>                                                                                                                                |                                                                                                                                                           | SHEET NO.<br><i>49</i> |
| ROADWAY DESIGN ENGINEER                                                                                                                                                |                                                                                                                                                           | HYDRAULICS ENGINEER    |
| <div>INCOMPLETE PLANS<br/>DO NOT USE FOR R/W ACQUISITION</div>                                                                                                         |                                                                                                                                                           |                        |
| DOCUMENT NOT CONSIDERED FINAL<br>UNLESS ALL SIGNATURES COMPLETED                                                                                                       |                                                                                                                                                           |                        |
| <div>Michael Baker Engineering, Inc.<br/><small>10000 Research Parkway<br/>Suite 100<br/>Charlotte, NC 27518<br/>Tel: 704.366.1000<br/>Fax: 704.366.1001</small></div> | <div>SUNGATE DESIGN GROUP, P.A.<br/><small>111 JONES FRANKLIN ROAD<br/>WELLS RICHMOND, NC 27586<br/>Tel: 919.486.1000<br/>Fax: 919.486.1001</small></div> |                        |



8/7/2018  
R-3403B-Hyd\_PSH\_PFL.dgn  
bclm

5/28/99

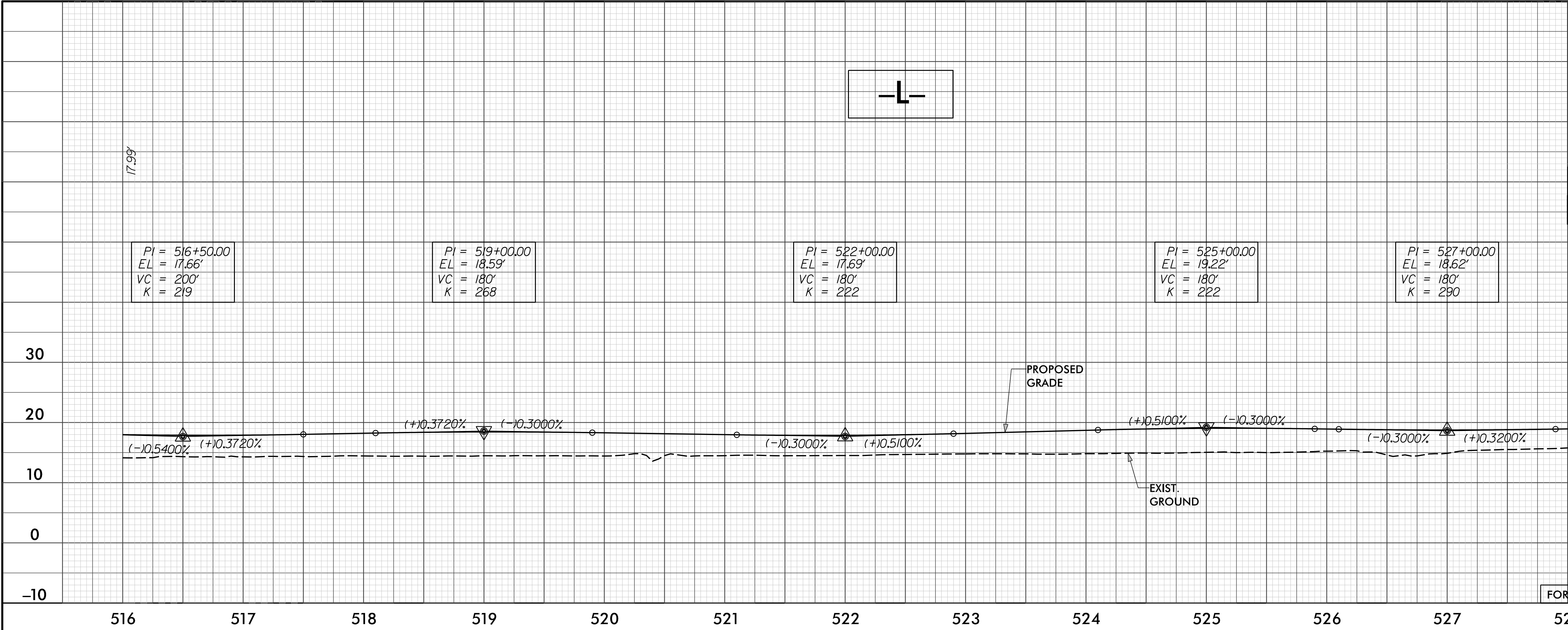
|                                                                                                                                                           |                                                                                                                                            |                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| PROJECT REFERENCE NO.<br><i>R-3403B</i>                                                                                                                   |                                                                                                                                            | SHEET NO.<br><i>50</i> |
| ROADWAY DESIGN<br>ENGINEER                                                                                                                                | HYDRAULICS<br>ENGINEER                                                                                                                     |                        |
| INCOMPLETE PLANS<br>DO NOT USE FOR R/W ACQUISITION                                                                                                        |                                                                                                                                            |                        |
| DOCUMENT NOT CONSIDERED FINAL<br>UNLESS ALL SIGNATURES COMPLETED                                                                                          |                                                                                                                                            |                        |
| Michael Baker Engineering, Inc.<br><small>10000 Old Highway 100<br/>Suite 100<br/>Charlotte, NC 28215<br/>Tel: 704.366.1000<br/>Fax: 704.366.1001</small> | SUNGATE DESIGN GROUP, P.A.<br><small>1111 Jones Franklin Road<br/>Wilmington, NC 28403<br/>Tel: 910.341.1111<br/>Fax: 910.341.1112</small> |                        |



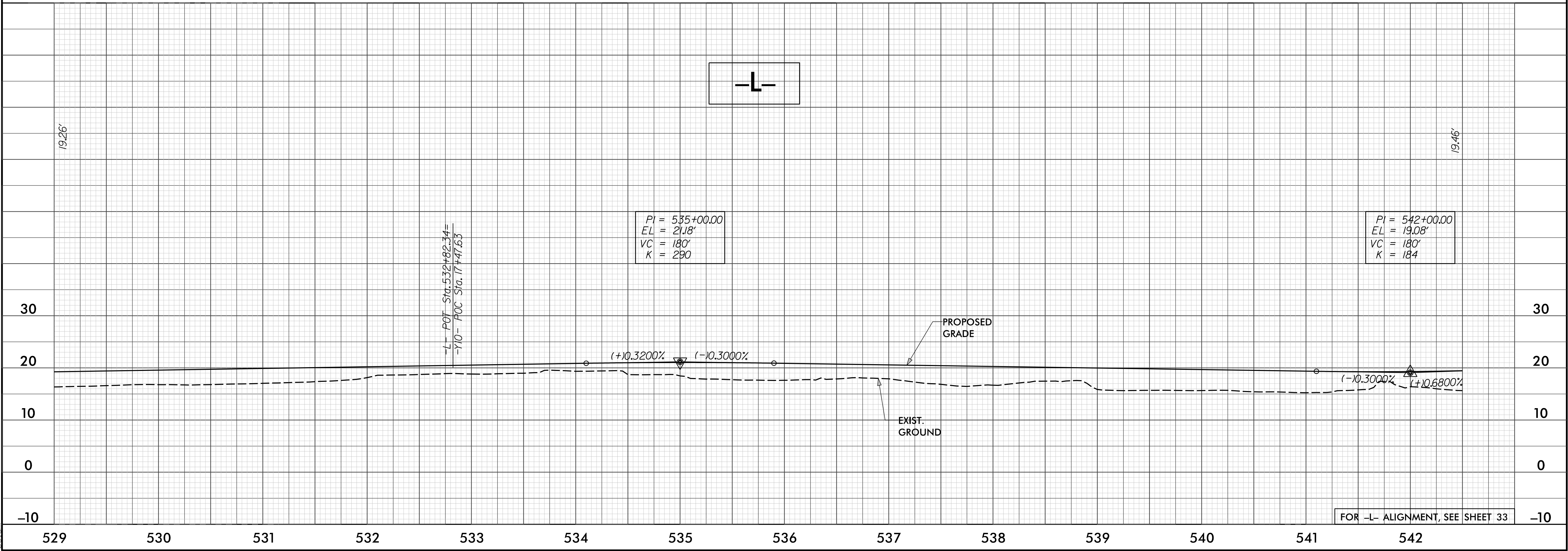
8/7/2018  
R-3403B-Hyd\_PSH\_PFL.dgn  
bclan

5/28/99

|                                                                                                                                                                       |  |                                                                                                                                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PROJECT REFERENCE NO.<br><i>R-3403B</i>                                                                                                                               |  | SHEET NO.<br><i>51</i>                                                                                                                                                   |
| ROADWAY DESIGN<br>ENGINEER                                                                                                                                            |  | HYDRAULICS<br>ENGINEER                                                                                                                                                   |
| INCOMPLETE PLANS<br>DO NOT USE FOR R/W ACQUISITION                                                                                                                    |  |                                                                                                                                                                          |
| DOCUMENT NOT CONSIDERED FINAL<br>UNLESS ALL SIGNATURES COMPLETED                                                                                                      |  |                                                                                                                                                                          |
| <small>Michael Baker Engineering, Inc.<br/>10000 Rte. 100<br/>Suite 100<br/>Charlotte, NC 27518<br/>Tel: 704.366.1000<br/>Fax: 704.366.1001<br/>INTERNATIONAL</small> |  | <small>SUNGATE DESIGN GROUP, P.A.<br/>111 Jones Franklin Road<br/>Wadeville, NC 27580<br/>Tel: 919.486.1000<br/>Fax: 919.486.1001<br/>SUNGATE DESIGN GROUP, P.A.</small> |

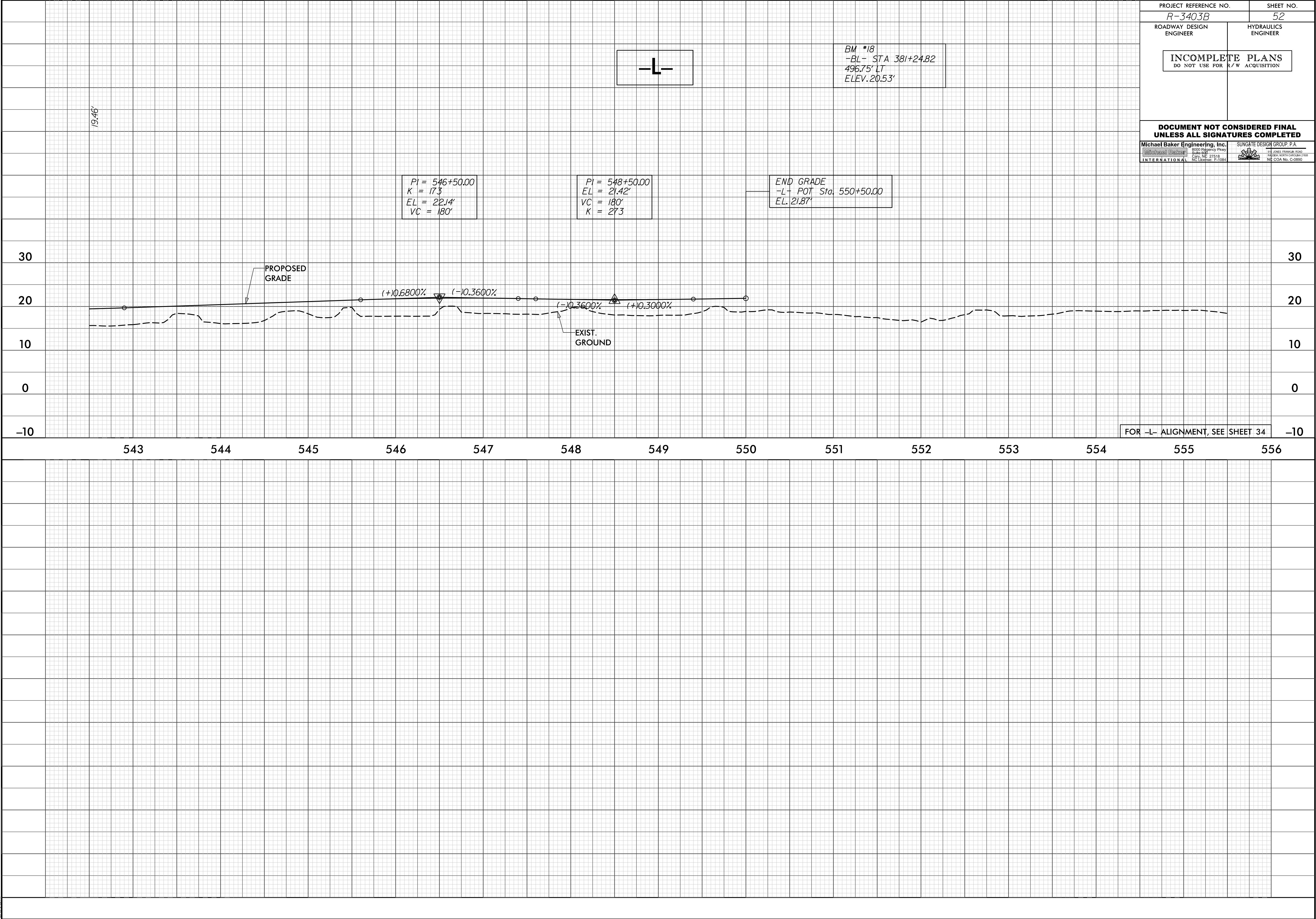


8/7/2018  
R-3403B-Hyd\_PSH\_PFL.dgn  
bclm

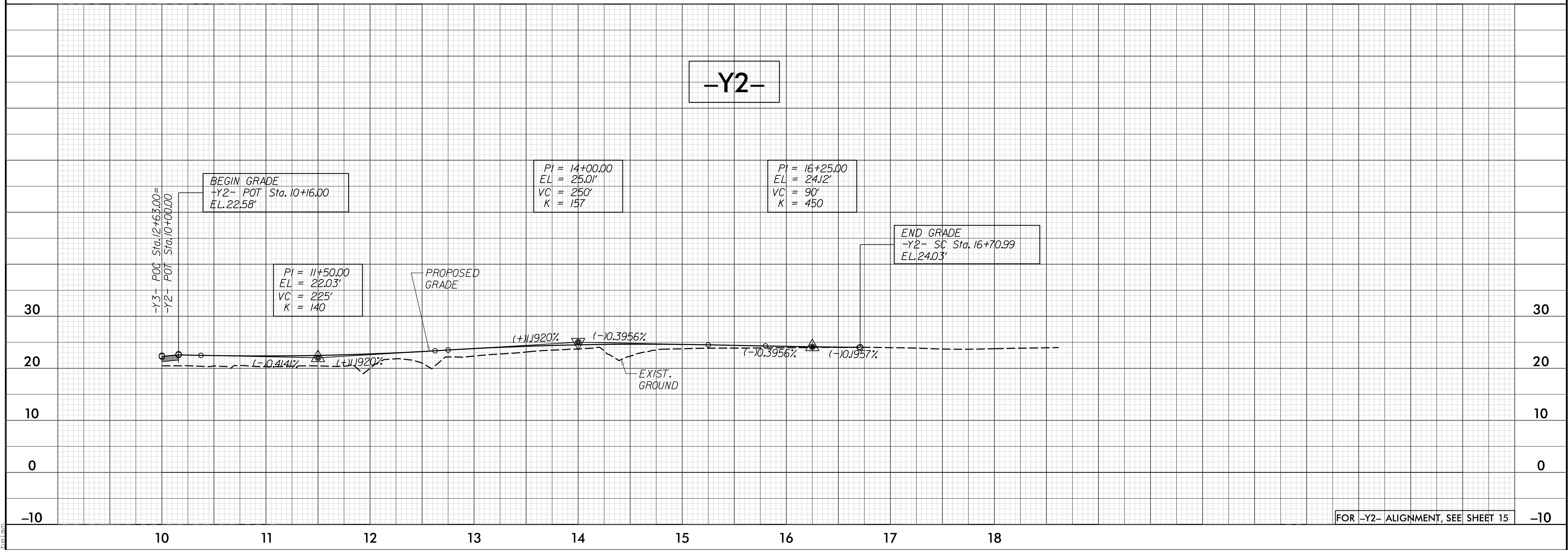
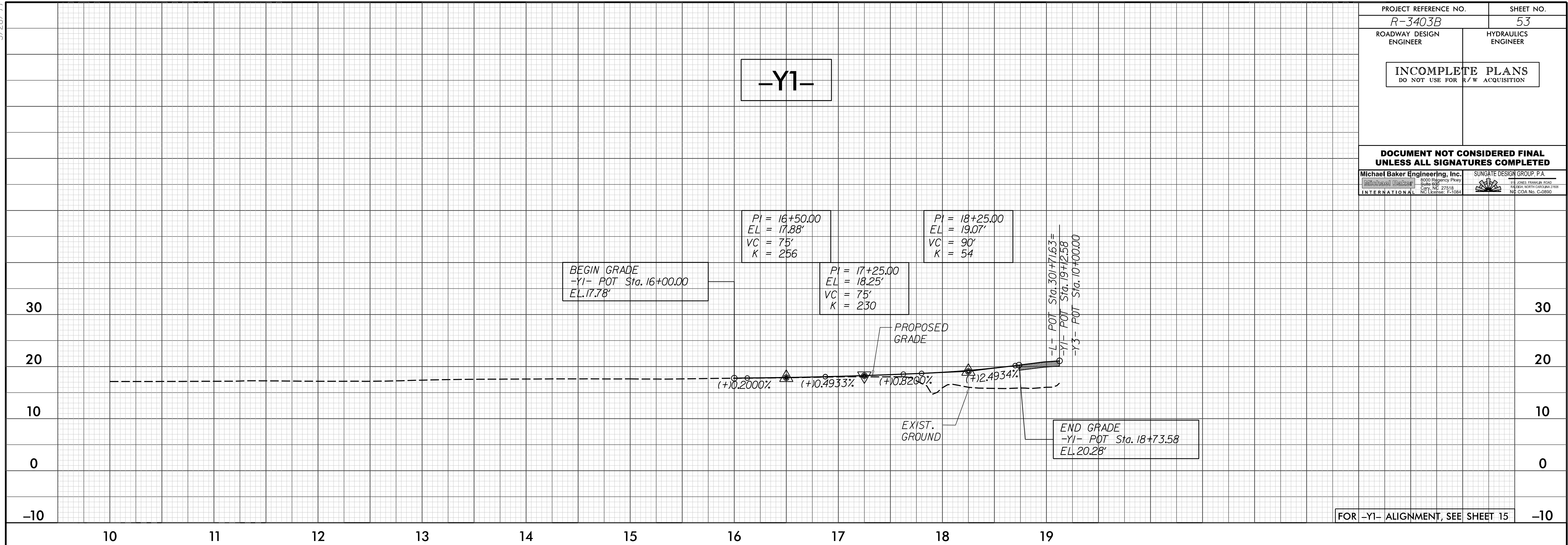


5/28/99

8/7/2018  
R-3403B-Hyd\_PSH\_PFL.dgn  
bclan

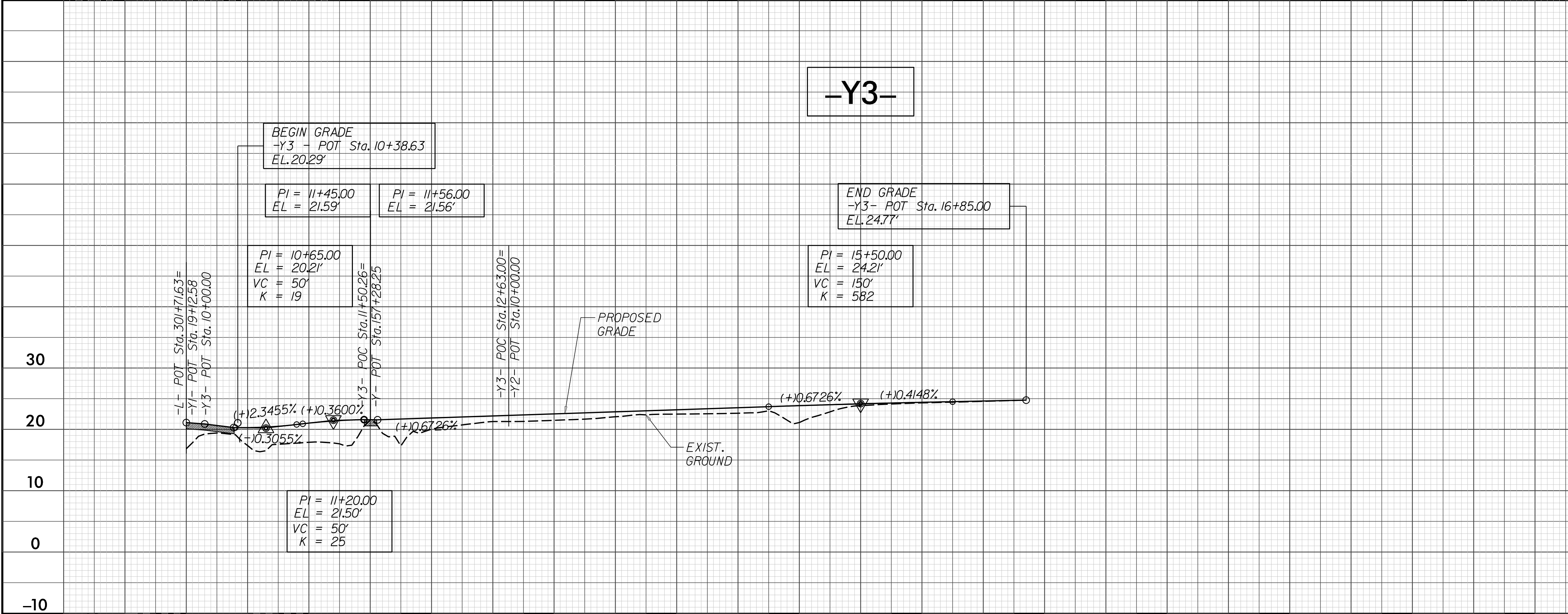


|                                                                                                                                                                               |  |                                                                                                                                                                                |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| PROJECT REFERENCE NO.<br><i>R-3403B</i>                                                                                                                                       |  | SHEET NO.<br><i>52</i>                                                                                                                                                         |  |
| ROADWAY DESIGN<br>ENGINEER                                                                                                                                                    |  | HYDRAULICS<br>ENGINEER                                                                                                                                                         |  |
| <b>INCOMPLETE PLANS</b><br>DO NOT USE FOR R/W ACQUISITION                                                                                                                     |  |                                                                                                                                                                                |  |
| <b>DOCUMENT NOT CONSIDERED FINAL</b><br><b>UNLESS ALL SIGNATURES COMPLETED</b>                                                                                                |  |                                                                                                                                                                                |  |
| <b>Michael Baker Engineering, Inc.</b><br><small>10000 Rte. 100<br/>Suite 100<br/>Charlotte, NC 28218<br/>Tel: 704.366.1000<br/>Fax: 704.366.1001<br/>www.mbakeng.com</small> |  | <b>SUNGATE DESIGN GROUP, P.A.</b><br><small>11000 Rte. 100<br/>Suite 100<br/>Charlotte, NC 28218<br/>Tel: 704.366.1000<br/>Fax: 704.366.1001<br/>www.sungatedesign.com</small> |  |



5/28/99

|                                                                                                                               |                        |                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------|
| PROJECT REFERENCE NO.<br><i>R-3403B</i>                                                                                       |                        | SHEET NO.<br><i>54</i>                                                                                                       |
| ROADWAY DESIGN<br>ENGINEER                                                                                                    | HYDRAULICS<br>ENGINEER |                                                                                                                              |
| INCOMPLETE PLANS<br>DO NOT USE FOR R/W ACQUISITION                                                                            |                        |                                                                                                                              |
| DOCUMENT NOT CONSIDERED FINAL<br>UNLESS ALL SIGNATURES COMPLETED                                                              |                        |                                                                                                                              |
| <small>Michael Baker Engineering, Inc.<br/>8000 Regency Place<br/>Suite 100<br/>Cary, NC 27518<br/>NC License: E-1084</small> |                        | <small>SUNGATE DESIGN GROUP, P.A.<br/>111 JAMES FRANKLIN ROAD<br/>WALTON, NORTH CAROLINA 27890<br/>NC CDA No. C-0990</small> |



8/7/2018  
R-3403B-Hyd\_PSH\_PFL.dgn  
bclan

