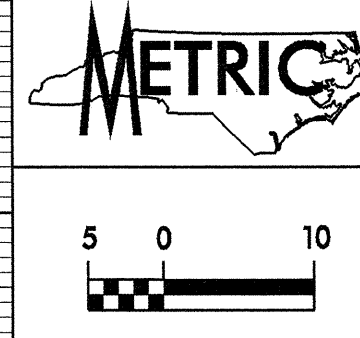


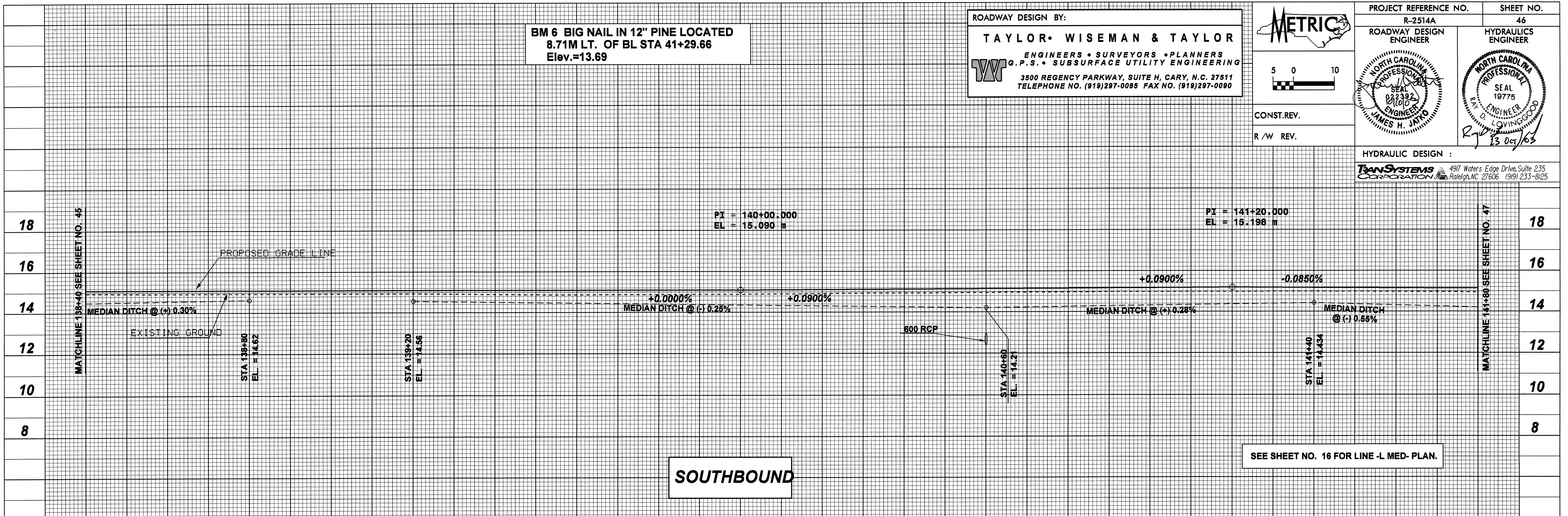
BM 6 BIG NAIL IN 12" PINE LOCATED  
8.71M LT. OF BL STA 41+29.66  
Elev.=13.69

ROADWAY DESIGN BY:  
**TAYLOR • WISEMAN & TAYLOR**  
ENGINEERS • SURVEYORS • PLANNERS  
G. P. S. • SUBSURFACE UTILITY ENGINEERING  
3500 REGENCY PARKWAY, SUITE H, CARY, N.C. 27511  
TELEPHONE NO. (919)297-0085 FAX NO. (919)297-0090



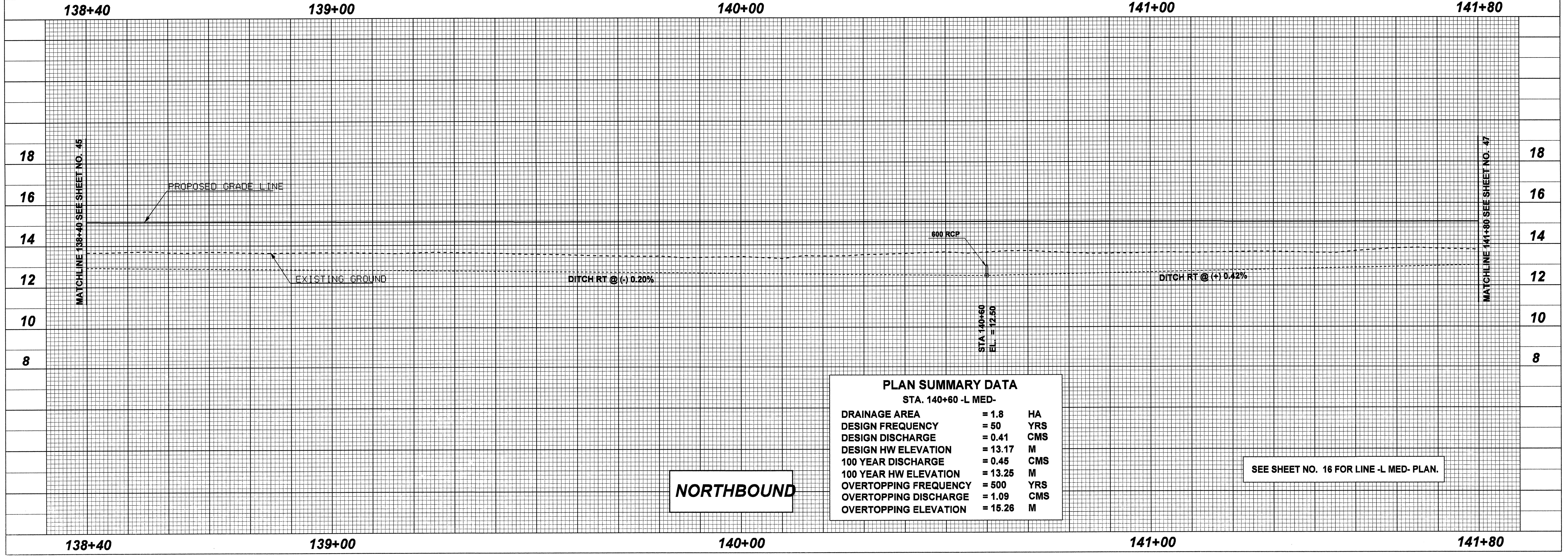
|                                  |                     |
|----------------------------------|---------------------|
| PROJECT REFERENCE NO.<br>R-2514A | SHEET NO.<br>46     |
| ROADWAY DESIGN ENGINEER          | HYDRAULICS ENGINEER |
|                                  |                     |

HYDRAULIC DESIGN :  
**TRANSYSTEMS CORPORATION**  
4917 Waters Edge Drive, Suite 235  
Raleigh, NC 27606 (919) 233-8125



**SOUTHBOUND**

SEE SHEET NO. 16 FOR LINE -L- MED- PLAN.



**NORTHBOUND**

SEE SHEET NO. 16 FOR LINE -L- MED- PLAN.

| PLAN SUMMARY DATA     |         |     |
|-----------------------|---------|-----|
| STA. 140+60 -L- MED-  |         |     |
| DRAINAGE AREA         | = 1.8   | HA  |
| DESIGN FREQUENCY      | = 50    | YRS |
| DESIGN DISCHARGE      | = 0.41  | CMS |
| DESIGN HW ELEVATION   | = 13.17 | M   |
| 100 YEAR DISCHARGE    | = 0.45  | CMS |
| 100 YEAR HW ELEVATION | = 13.25 | M   |
| OVERTOPPING FREQUENCY | = 500   | YRS |
| OVERTOPPING DISCHARGE | = 1.09  | CMS |
| OVERTOPPING ELEVATION | = 15.26 | M   |