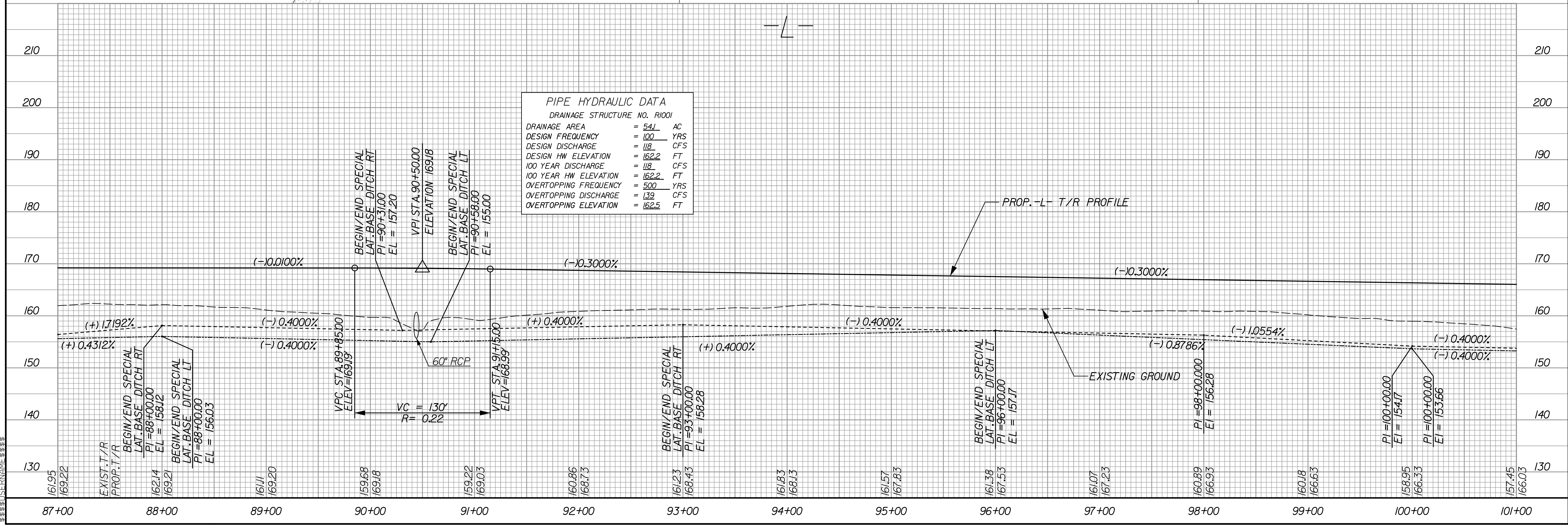
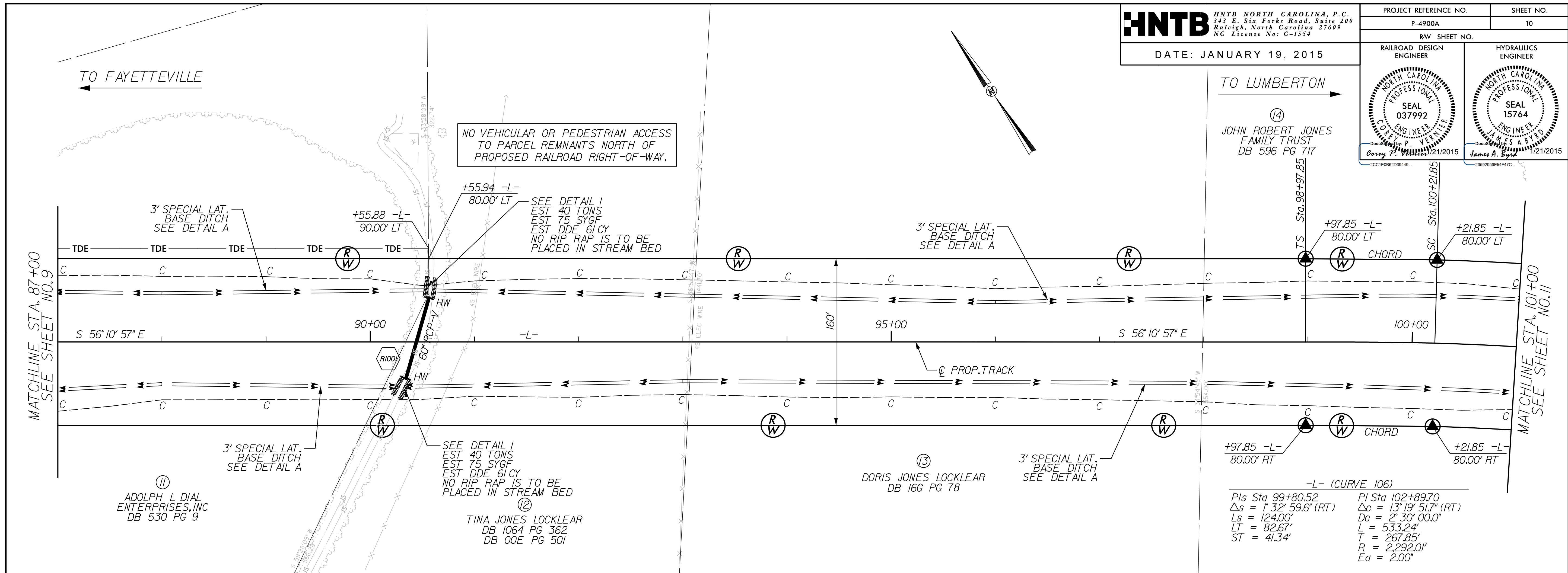


DATE: JANUARY 19, 2015

| | |
|--------------------------|---------------------|
| RAILROAD DESIGN ENGINEER | HYDRAULICS ENGINEER |
| | |



PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO. R1001

| | | |
|-----------------------|---------|-----|
| DRAINAGE AREA | = 541 | AC |
| DESIGN FREQUENCY | = 100 | YRS |
| DESIGN DISCHARGE | = 118 | CFS |
| DESIGN HW ELEVATION | = 162.2 | FT |
| 100 YEAR DISCHARGE | = 118 | CFS |
| 100 YEAR HW ELEVATION | = 162.2 | FT |
| OVERTOPPING FREQUENCY | = 500 | YRS |
| OVERTOPPING DISCHARGE | = 139 | CFS |
| OVERTOPPING ELEVATION | = 162.5 | FT |

6:25:50 PM W:\embrace_psh_110.dgn