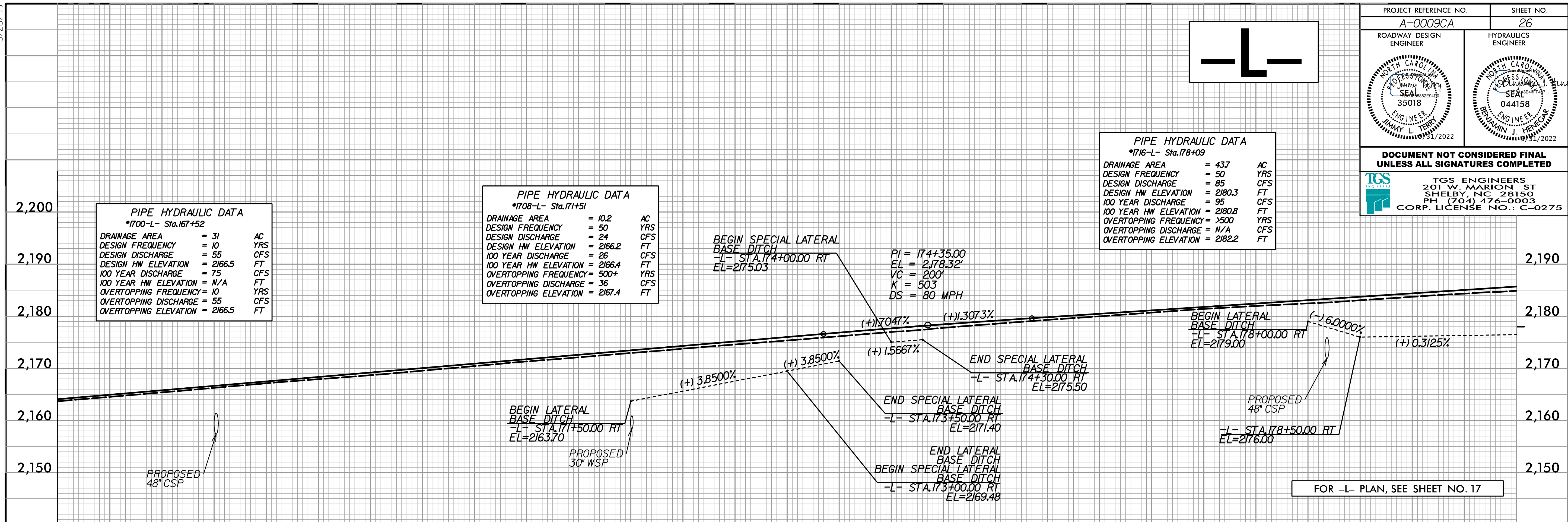
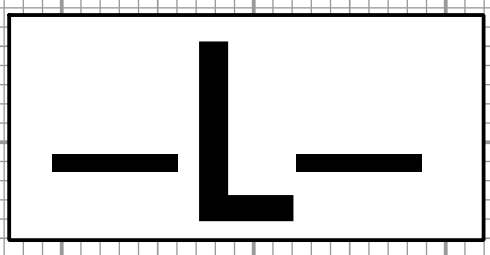


5/28/2022

| | |
|---|---------------------|
| PROJECT REFERENCE NO. A-0009CA | SHEET NO. 26 |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |
| | |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |
| TGS ENGINEERS 201 W. MARION ST SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275 | |



PIPE HYDRAULIC DATA
*1700-L- Sta.167+52

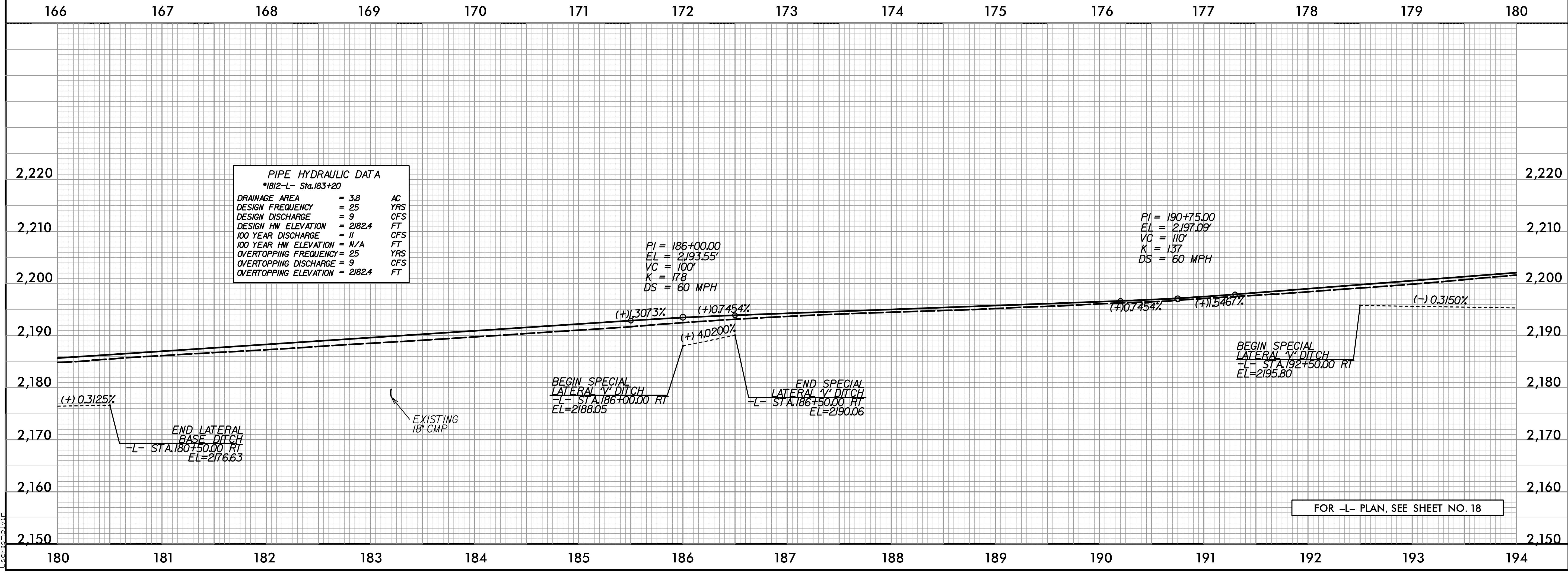
| | | |
|-----------------------|----------|-----|
| DRAINAGE AREA | = 31 | AC |
| DESIGN FREQUENCY | = 10 | YRS |
| DESIGN DISCHARGE | = 55 | CFS |
| DESIGN HW ELEVATION | = 2166.5 | FT |
| 100 YEAR DISCHARGE | = 75 | CFS |
| 100 YEAR HW ELEVATION | = N/A | FT |
| OVERTOPPING FREQUENCY | = 10 | YRS |
| OVERTOPPING DISCHARGE | = 55 | CFS |
| OVERTOPPING ELEVATION | = 2166.5 | FT |

PIPE HYDRAULIC DATA
*1708-L- Sta.171+51

| | | |
|-----------------------|----------|-----|
| DRAINAGE AREA | = 10.2 | AC |
| DESIGN FREQUENCY | = 50 | YRS |
| DESIGN DISCHARGE | = 24 | CFS |
| DESIGN HW ELEVATION | = 2166.2 | FT |
| 100 YEAR DISCHARGE | = 26 | CFS |
| 100 YEAR HW ELEVATION | = 2166.4 | FT |
| OVERTOPPING FREQUENCY | = 500+ | YRS |
| OVERTOPPING DISCHARGE | = 36 | CFS |
| OVERTOPPING ELEVATION | = 2167.4 | FT |

PIPE HYDRAULIC DATA
*1716-L- Sta.178+09

| | | |
|-----------------------|----------|-----|
| DRAINAGE AREA | = 437 | AC |
| DESIGN FREQUENCY | = 50 | YRS |
| DESIGN DISCHARGE | = 85 | CFS |
| DESIGN HW ELEVATION | = 2180.3 | FT |
| 100 YEAR DISCHARGE | = 95 | CFS |
| 100 YEAR HW ELEVATION | = 2180.8 | FT |
| OVERTOPPING FREQUENCY | = >500 | YRS |
| OVERTOPPING DISCHARGE | = N/A | CFS |
| OVERTOPPING ELEVATION | = 2182.2 | FT |



PIPE HYDRAULIC DATA
*1812-L- Sta.183+20

| | | |
|-----------------------|----------|-----|
| DRAINAGE AREA | = 3.8 | AC |
| DESIGN FREQUENCY | = 25 | YRS |
| DESIGN DISCHARGE | = 9 | CFS |
| DESIGN HW ELEVATION | = 2182.4 | FT |
| 100 YEAR DISCHARGE | = 11 | CFS |
| 100 YEAR HW ELEVATION | = N/A | FT |
| OVERTOPPING FREQUENCY | = 25 | YRS |
| OVERTOPPING DISCHARGE | = 9 | CFS |
| OVERTOPPING ELEVATION | = 2182.4 | FT |

5/10/2022 K:\Projects\A-0009\Roadway\Proj\A-0009CA\Plan_Sheets\A-0009CA_Rdy_pfl_Sheets.dgn

FOR -L- PLAN, SEE SHEET NO. 17

FOR -L- PLAN, SEE SHEET NO. 18