

5/28/19

PIPE HYDRAULIC DATA
36" RCP Sta. 15+59 -YI-

| | | |
|-----------------------|---------|---------|
| DRAINAGE AREA | = 9.9 | AC |
| DESIGN FREQUENCY | = 25 | YRS |
| DESIGN DISCHARGE | = 33 | CFS |
| DESIGN HW ELEVATION | = 124.9 | FT |
| 100 YEAR DISCHARGE | = 39 | CFS |
| 100 YEAR HW ELEVATION | = 125.2 | FT |
| OVERTOPPING FREQUENCY | = +/- | 100 YRS |
| OVERTOPPING DISCHARGE | = +/- | 39 CFS |
| OVERTOPPING ELEVATION | = 125.1 | FT |

-YI-

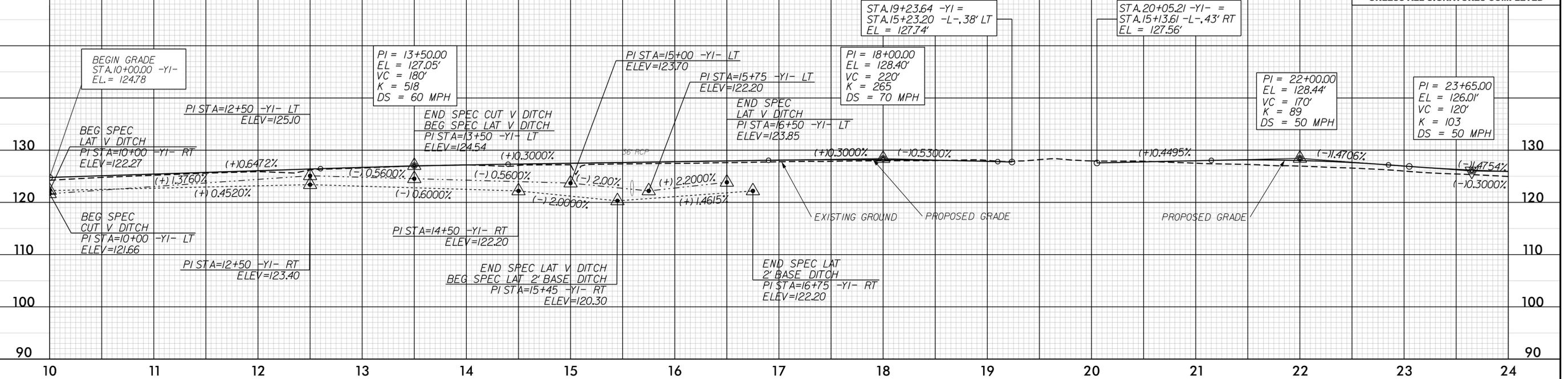
BM #1 ELEVATION = 128.03
N 605354 E 2314798
-YI- STATION 21+82.03 65.37' RIGHT
BENCHTIE NAIL SET IN 30" OAK

PLANS PREPARED BY:

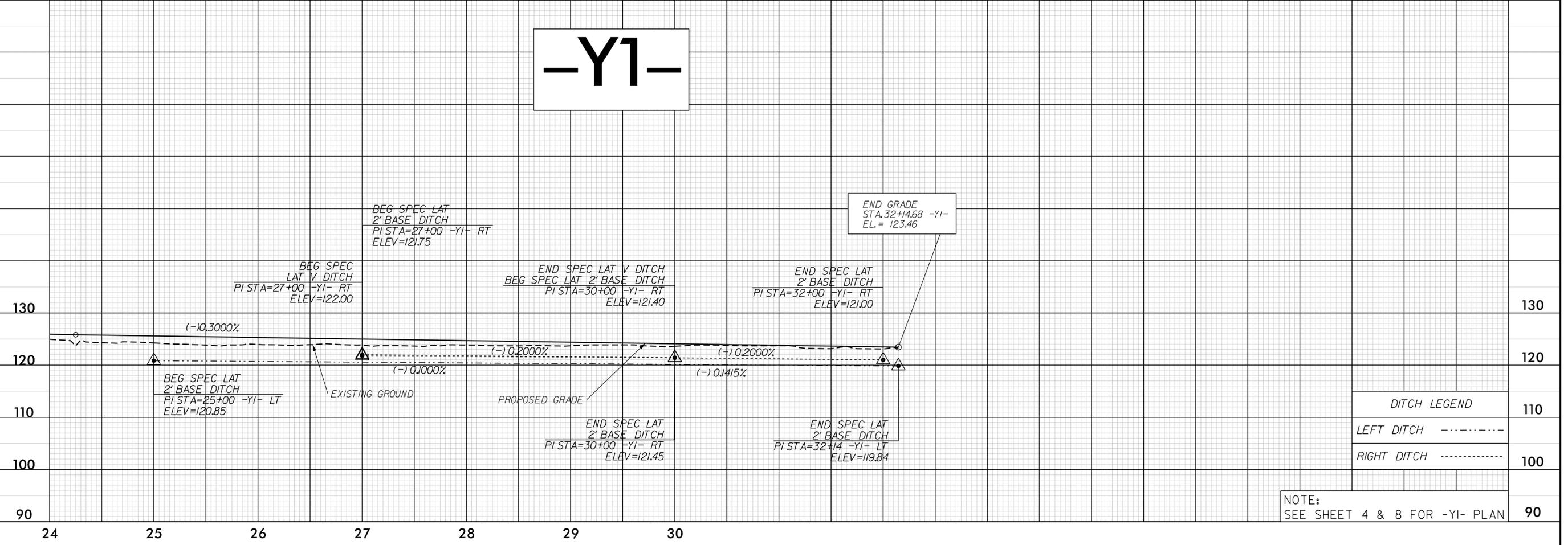
PARSONS
RALEIGH, NORTH CAROLINA, (919) 854-1345
NC LICENSE NO. F-0246
FOR NORTH CAROLINA DEPT. OF TRANSPORTATION

SUNGATE DESIGN GROUP, P.A.
905 JONES FRANKLIN ROAD
RALEIGH, NORTH CAROLINA 27606
TEL (919) 859-2243 FAX (919) 859-4258
ENG. FIRM LICENSE NO. C-480

| | | | |
|--|--------|---------------------|----|
| PROJECT REFERENCE NO. | U-4753 | SHEET NO. | 12 |
| ROADWAY DESIGN ENGINEER | | HYDRAULICS ENGINEER | |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | | | |



-YI-



NOTE:
SEE SHEET 4 & 8 FOR -YI- PLAN

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5/28/19

-Y2-

-Y3-

-Y4-

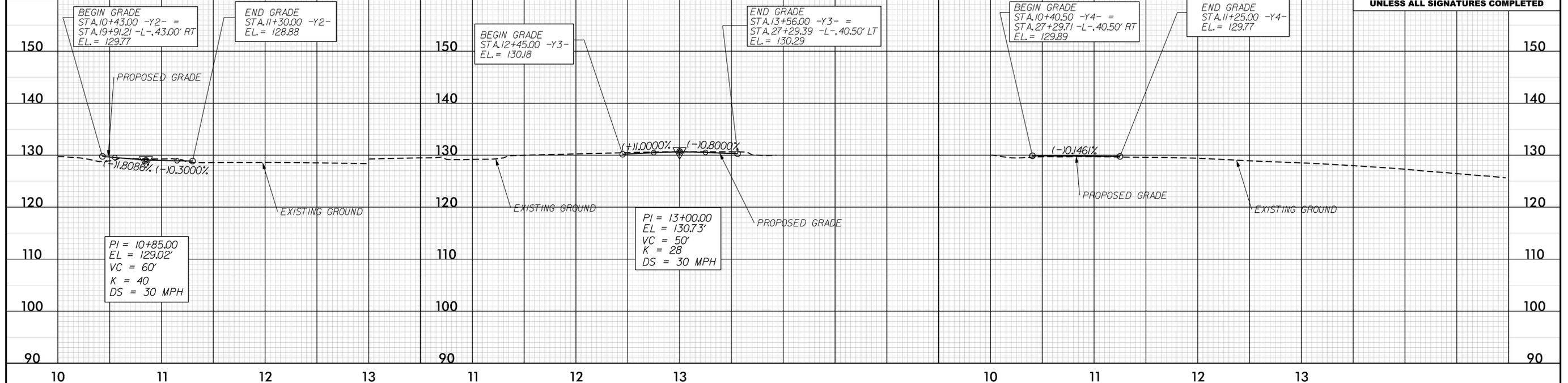
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| | |
|---|---|
| PROJECT REFERENCE NO. U-4753 | SHEET NO. 13 |
| ROADWAY DESIGN ENGINEER <i>[Signature]</i> | HYDRAULICS ENGINEER <i>[Signature]</i> |
| <small>REGISTERED PROFESSIONAL ENGINEER STATE OF NORTH CAROLINA EXPIRES 10/2025</small> | <small>REGISTERED PROFESSIONAL ENGINEER STATE OF NORTH CAROLINA EXPIRES 10/2025</small> |

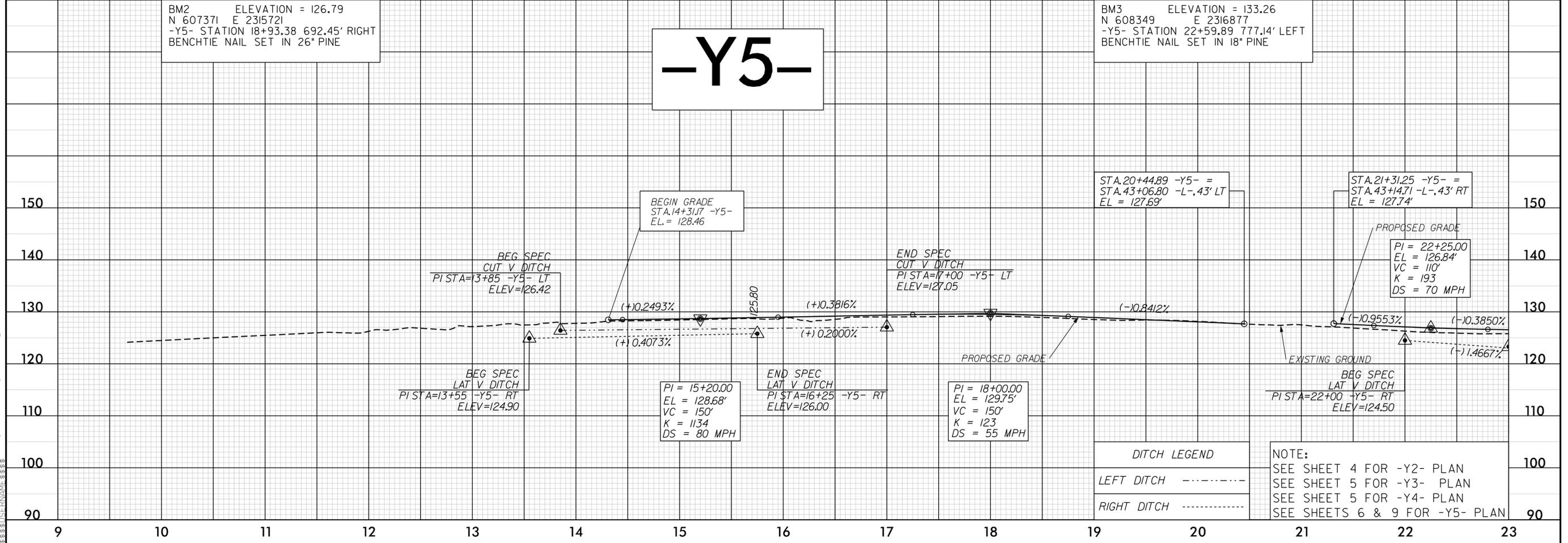
**DOCUMENT NOT CONSIDERED FINAL
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BM2 ELEVATION = 126.79
 N 607371 E 2315721
 -Y5- STATION 18+93.38 692.45' RIGHT
 BENCHTIE NAIL SET IN 26" PINE

BM3 ELEVATION = 133.26
 N 608349 E 2316877
 -Y5- STATION 22+59.89 777.14' LEFT
 BENCHTIE NAIL SET IN 18" PINE

-Y5-



DITCH LEGEND

| | |
|-------------|-------|
| LEFT DITCH | ----- |
| RIGHT DITCH | ----- |

NOTE:
 SEE SHEET 4 FOR -Y2- PLAN
 SEE SHEET 5 FOR -Y3- PLAN
 SEE SHEET 5 FOR -Y4- PLAN
 SEE SHEETS 6 & 9 FOR -Y5- PLAN

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5/28/19

PLANS PREPARED BY :

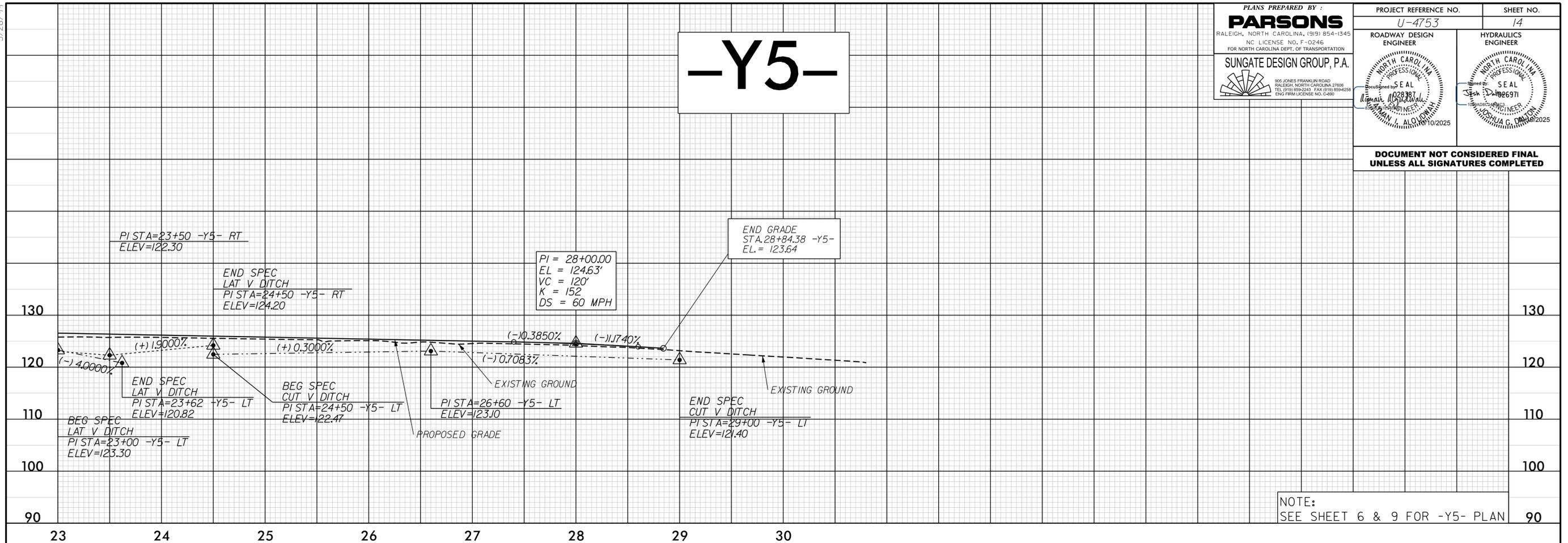
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 ENG. FIRM LICENSE NO. C460

| | |
|---|---|
| PROJECT REFERENCE NO. U-4753 | SHEET NO. 14 |
| ROADWAY DESIGN ENGINEER <i>[Signature]</i> | HYDRAULICS ENGINEER <i>[Signature]</i> |
| SEAL 10/28/19 | SEAL 10/28/19 |

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

-Y5-



NOTE:
SEE SHEET 6 & 9 FOR -Y5- PLAN

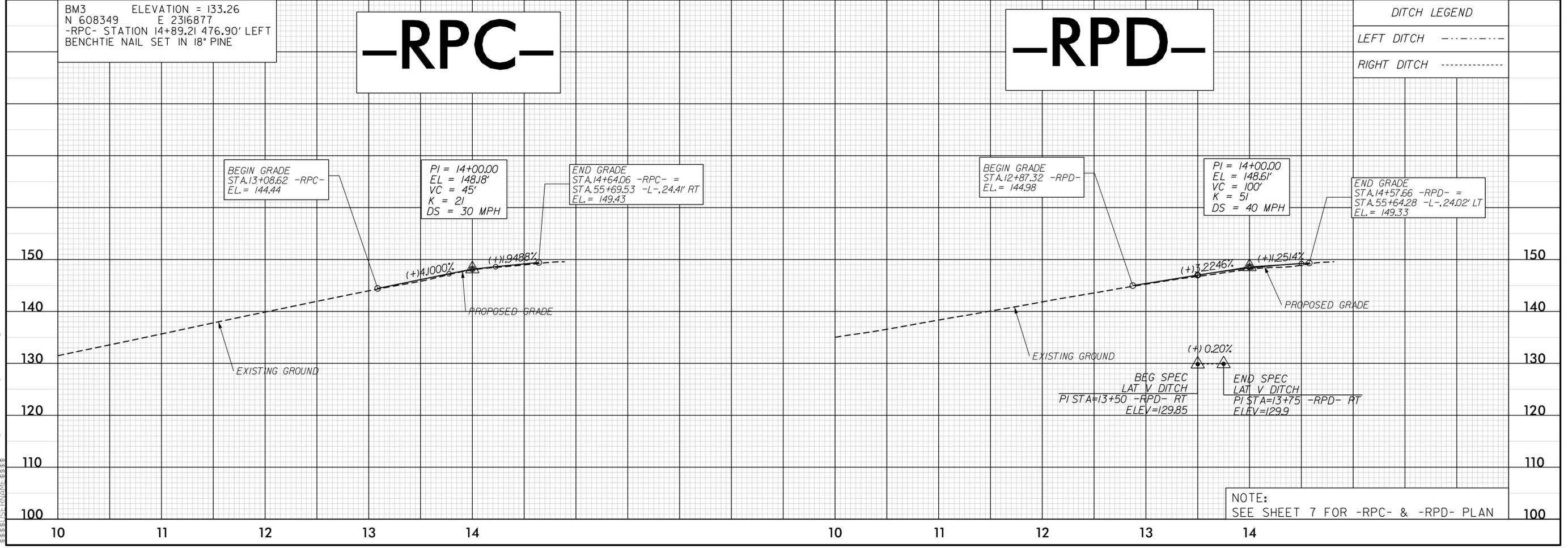
BM3 ELEVATION = 133.26
 N 608349 E 2316877
 -RPC- STATION 14+89.21 476.90' LEFT
 BENCHTIE NAIL SET IN 18" PINE

-RPC-

-RPD-

DITCH LEGEND

| | |
|-------------|-------|
| LEFT DITCH | ----- |
| RIGHT DITCH | ----- |



NOTE:
SEE SHEET 7 FOR -RPC- & -RPD- PLAN

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