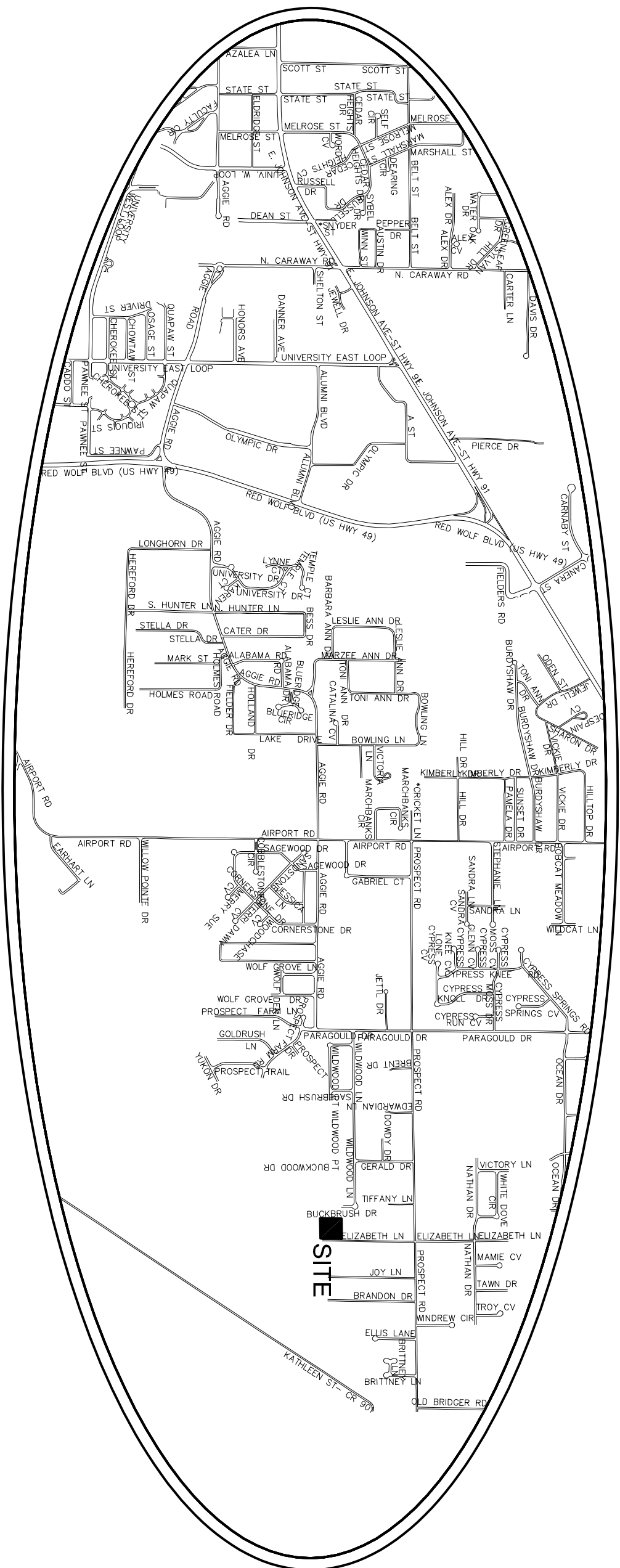


Job Name

Jonesboro, Arkansas  
August, 2019



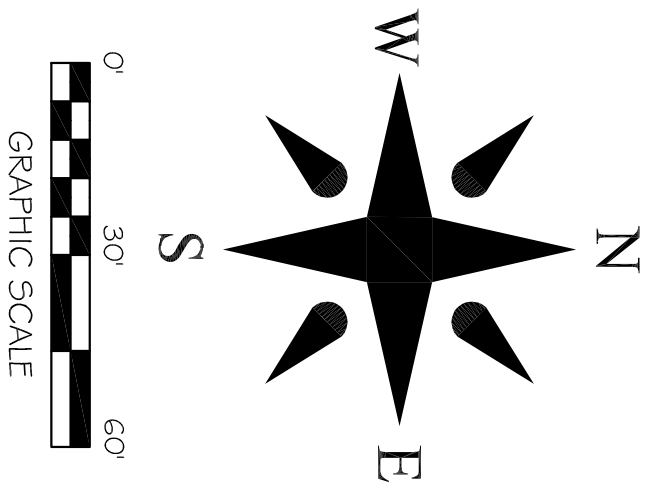
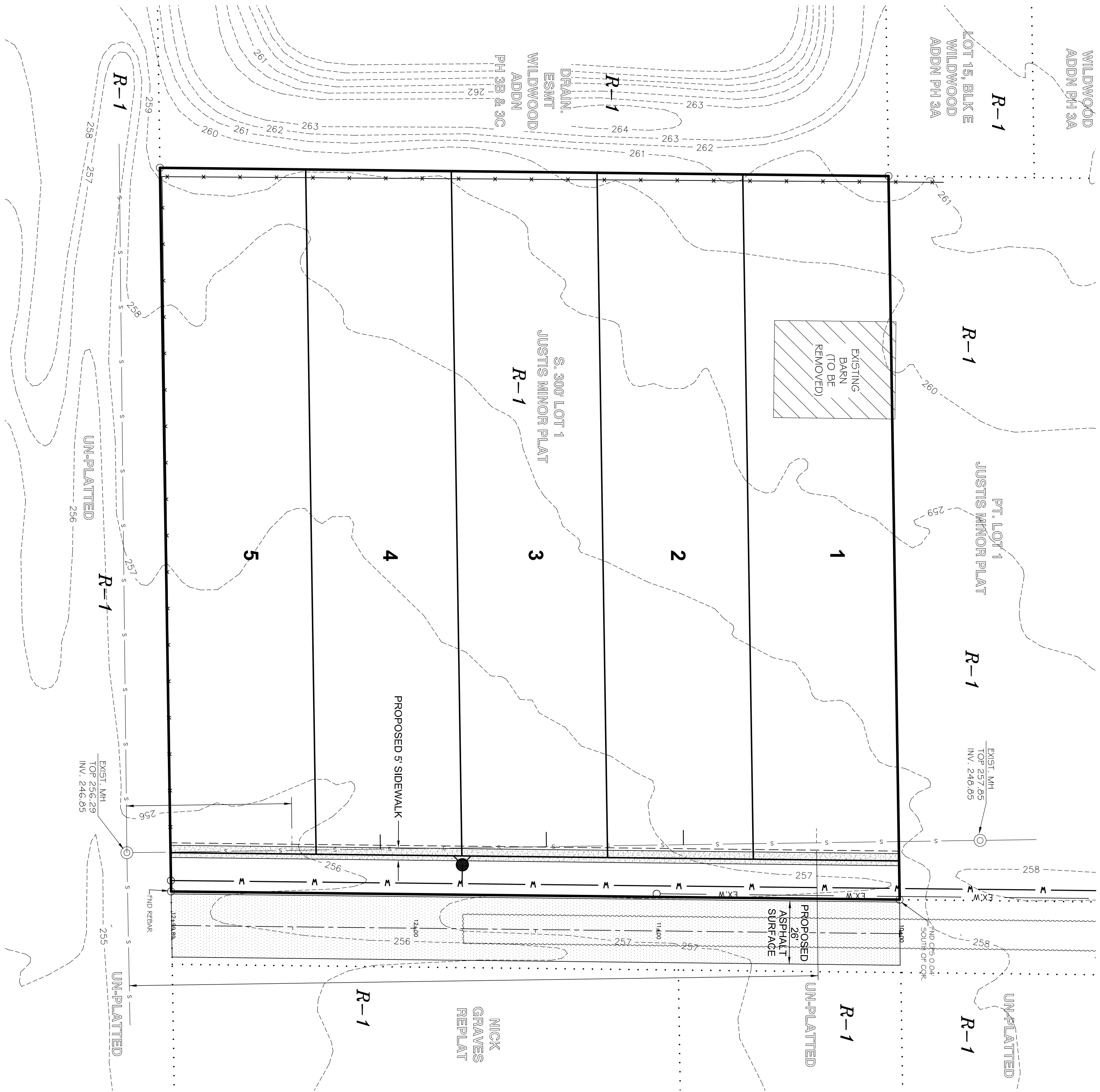
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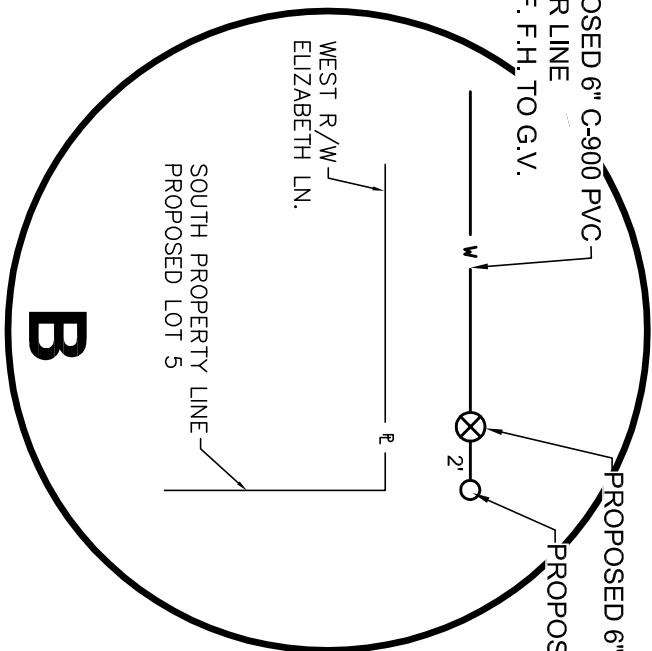
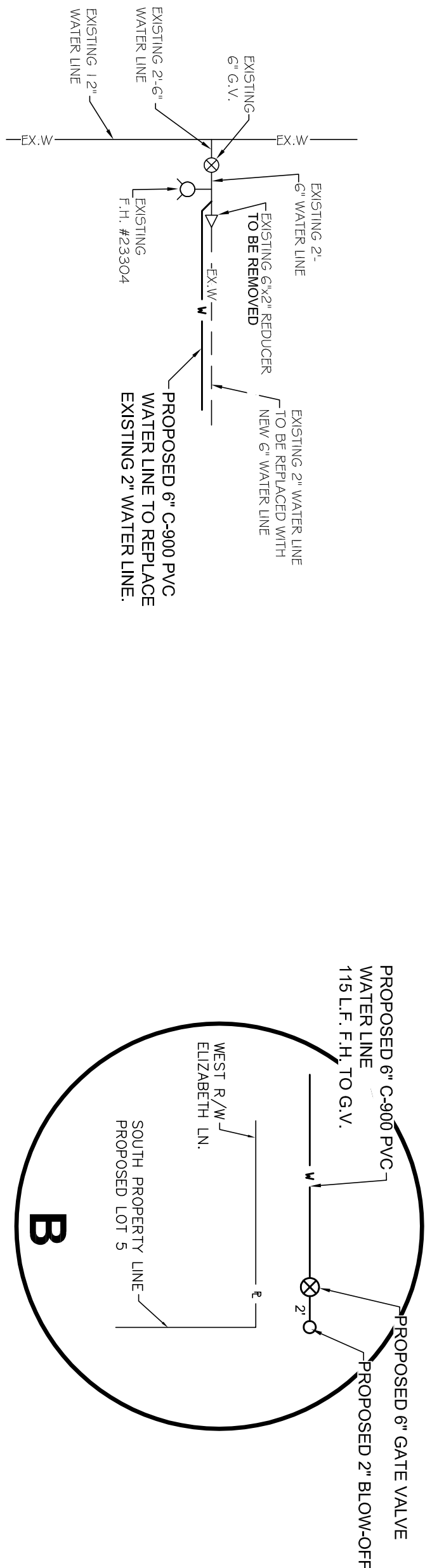
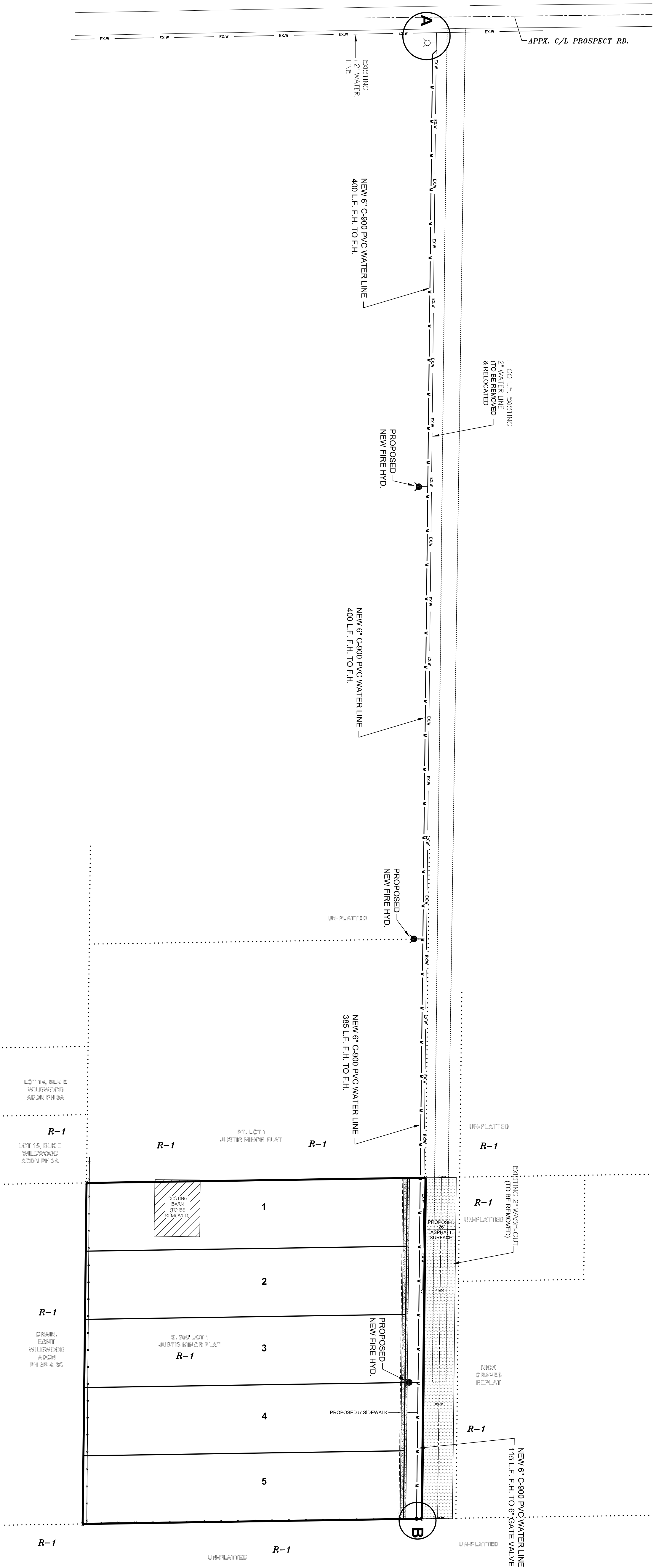
CIVILOGIC  
203 SOUTHWEST DRIVE  
JONESBORO, ARKANSAS 72401  
(870) 932-7880

- COVER
- 1. RECORD PLAT
  - 2. OVERALL DRAINAGE & UTILITY PLAN
  - 3. WATER PLAN
  - 4. DRAINAGE PLAN
  - 5. SEWER SERVICES PLAN
  - 6. STREET PLAN & PROFILE
  - 7. SOIL & EROSION CONTROL PLAN
  - 8. WATER CONSTRUCTION DETAILS
  - 9. STREET & DRAINAGE CONSTRUCTION DETAILS

JACKSON INNOVATIONS, INC.  
507 BRENT DRIVE  
JONESBORO, ARKANSAS 72401  
(870) 273-6790

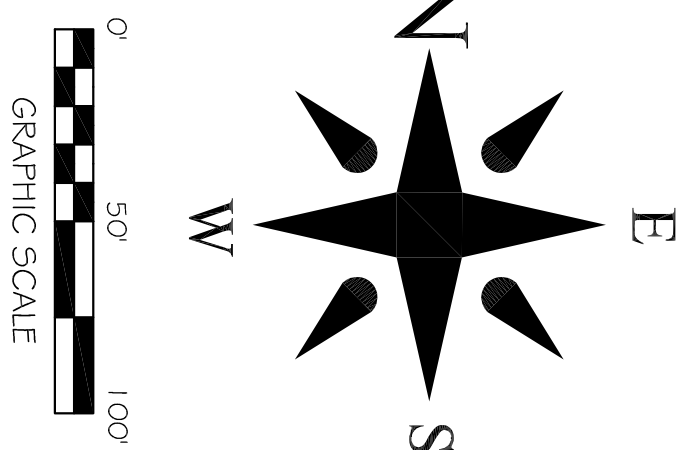






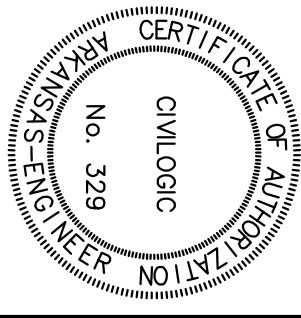
NOTES:

- 1) TOTAL C-900 WATER LINE \_\_\_\_\_ FEET.
- 2) ALL \_\_\_\_\_ NEW METERS ARE TO BE 3/4" METERS.
- 3) WATER AND ELECTRIC TO BE INSTALLED TOGETHER.
- 4) NO TRANSFORMER, JUNCTION BOX, OR PULL BOX SHALL BE PLACED OVER WATER FITTINGS WITHOUT CITY WATER AND LIGHT APPROVAL.
- 5) CITY WATER AND LIGHT IS NOT RESPONSIBLE FOR ANY WATER OR SEWER TRENCH SETTLEMENT BEFORE, DURING, OR AFTER WARRANTY PERIOD.
- 6) THE DEVELOPER AND ENGINEER ARE RESPONSIBLE FOR METER BOX LOCATIONS.
- 7) ANY CONFLICTS THAT REQUIRE PLASTIC BOX(S) TO BE EXCHANGED FOR CONCRETE BOX(S) WILL BE AT THE DEVELOPER'S OR ENGINEER'S EXPENSE.
- 8) IF UNSAFE PRACTICES ARE DISCOVERED BY CWL DURING OUR INSPECTIONS OF WORKMANSHIP AND MATERIALS, CWL WILL NOTIFY THE OSHA. THIS IN NO WAY OBLIGATES CWL FOR THE RESPONSIBILITY OF THE CONTRACTORS SAFETY PRACTICES.
- 9) LOCATE WIRE AND LOCATE MARKERS REQUIRED WHEN WATER AND ELECTRIC ARE NOT A COMBINED INSTALLATION.
- 9) DURING CONSTRUCTION, WORK SHALL BE INSPECTED DAILY BY THE DEVELOPERS CONSULTING ENGINEER FOR NECESSARY SAFETY PRACTICES, PROPER MATERIALS, AND WORKMANSHIP.

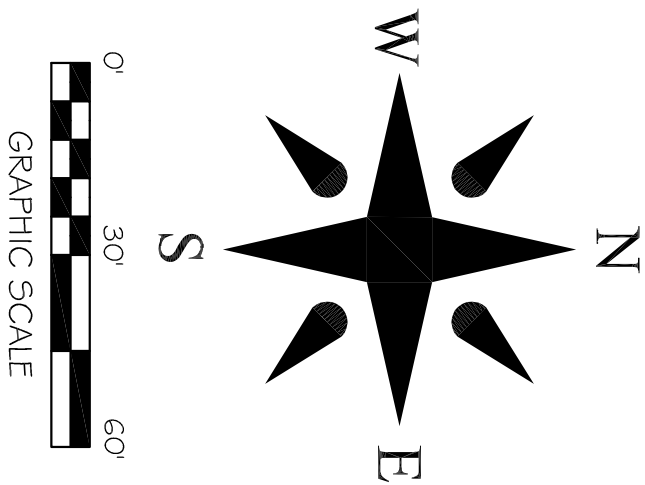
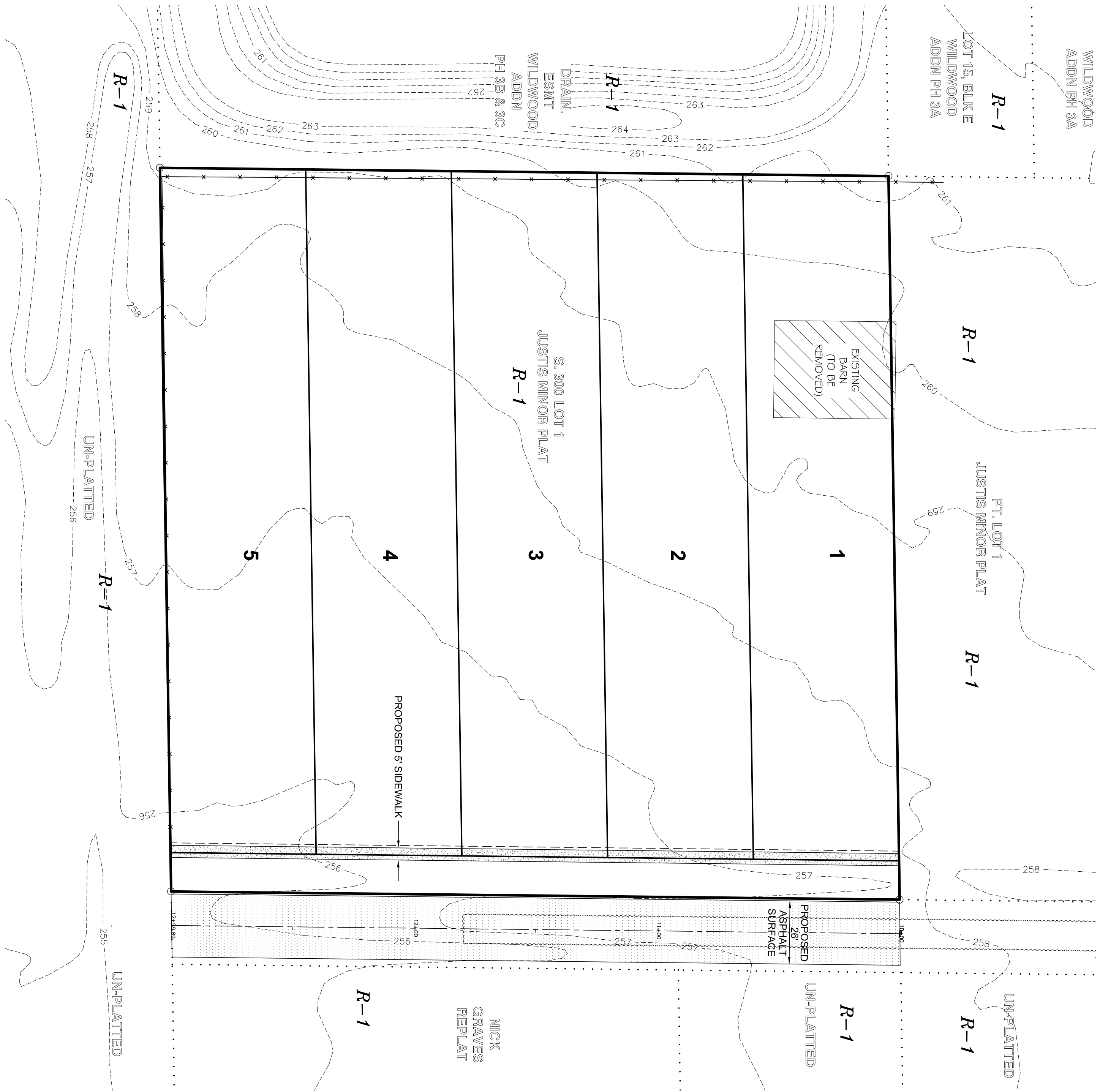


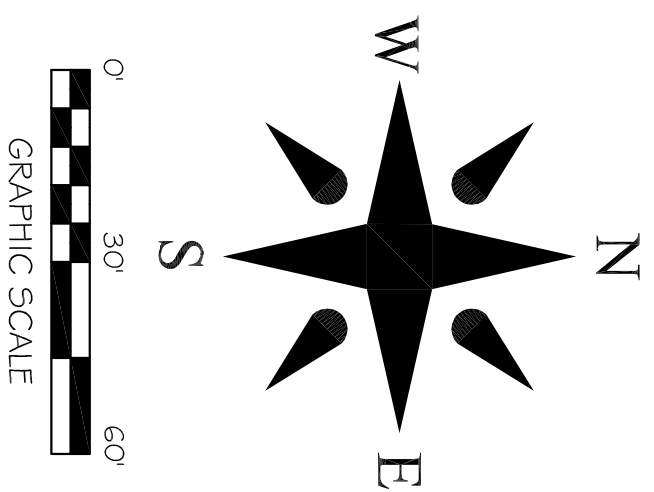
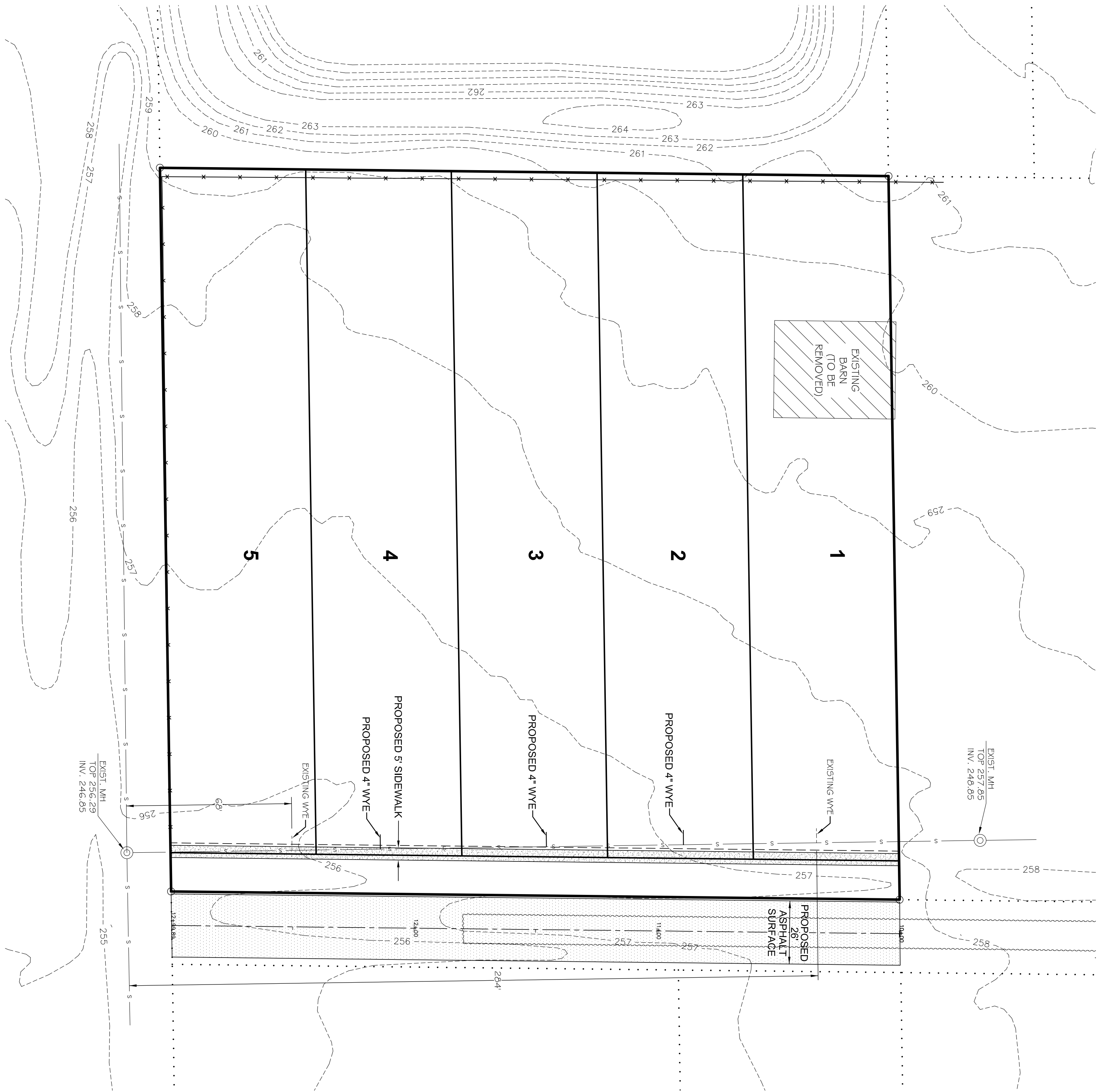
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| ENGINEERS                                                                          |  | PLANNERS |  | SURVEYORS |  | <div>Date</div> <div>-----</div>   |                                    | <div>Scale</div> <div>1"=50'</div>   | <div>Job No.</div> <div>119079</div>   | <div>Sheet No.</div> |
| <div>Civilogic</div>                                                               |  |          |  |           |  | <div>Section</div> <div>14</div>   | <div>Township</div> <div>14N</div> | <div>Range</div> <div>04E</div>      | <div>County</div> <div>CRAIGHEAD</div> | <div>3 of 9</div>    |
|                                                                                    |  |          |  |           |  | <div>Drawn By:</div> <div>RE</div> |                                    | <div>Checked by:</div> <div>GH</div> |                                        |                      |
| <div>ONLY COPIES WITH VIOLET COLORED SIGNATURE ARE ORIGINAL CIVILOGIC COPIES</div> |  |          |  |           |  |                                    |                                    |                                      |                                        |                      |
| <div>203 Southwest Dr.-Jonesboro, AR-(870)932-7880-www.civilogic.net</div>         |  |          |  |           |  | <div>© 2019, Civilogic</div>       |                                    |                                      |                                        |                      |

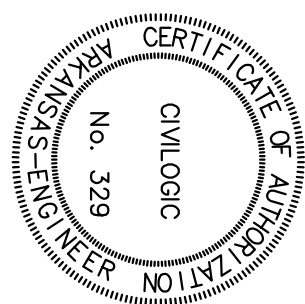
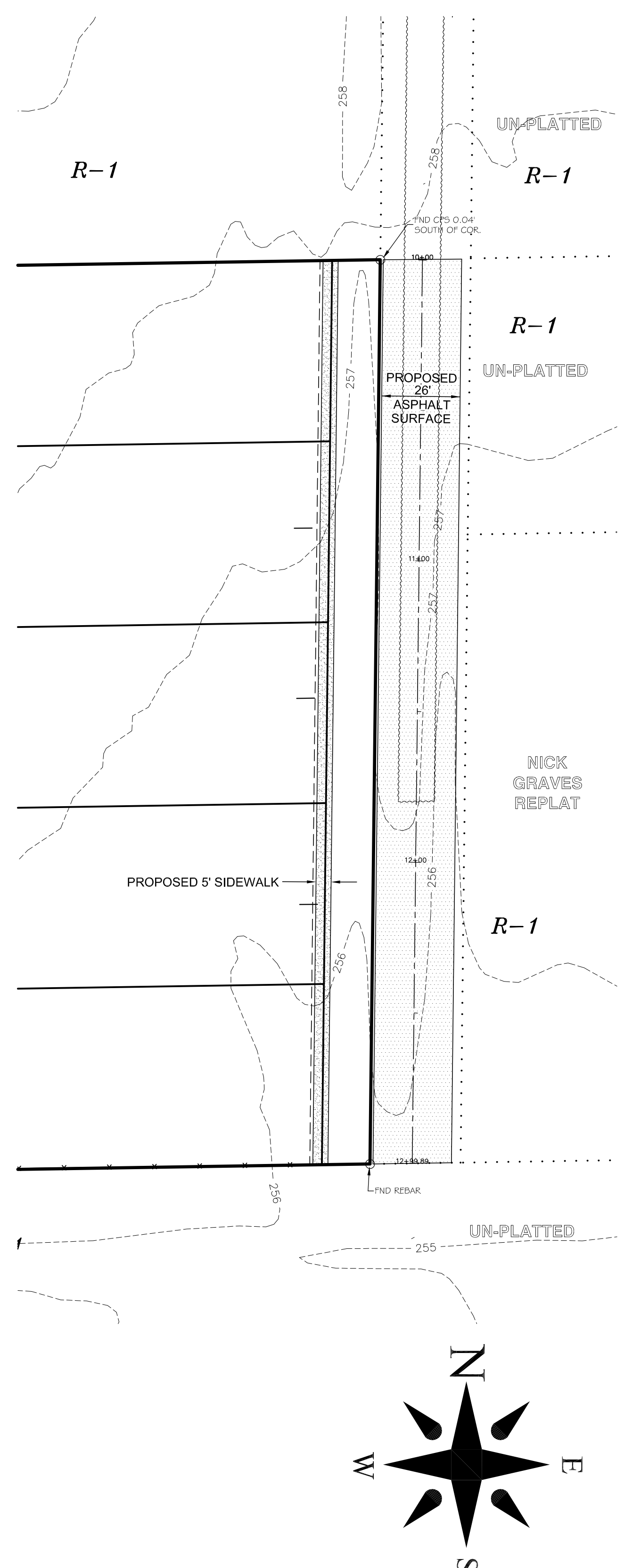
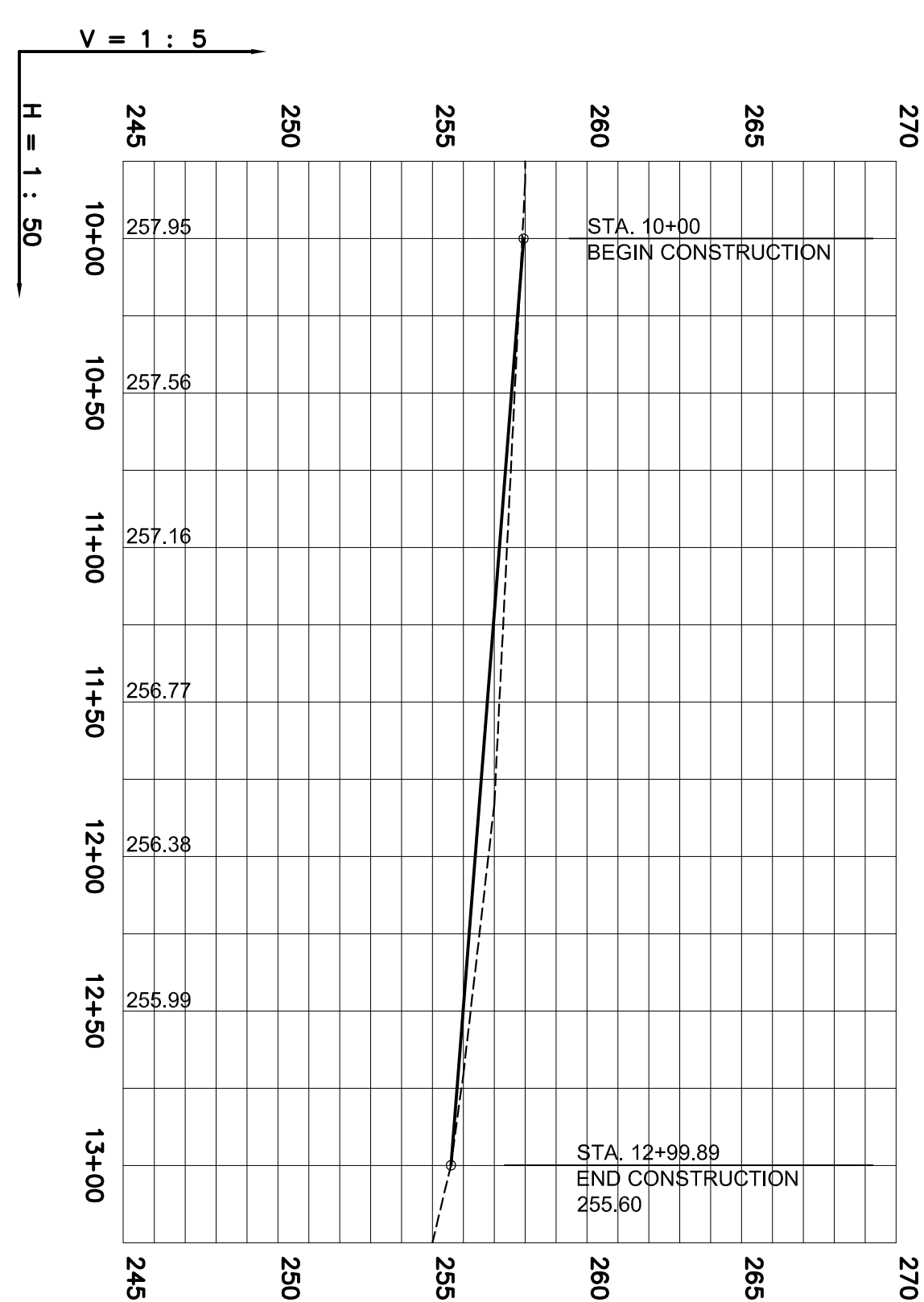
WATER DISTRIBUTION PLAN  
????????????????????  
JONESBORO, ARKANSAS  
FOR  
JACKSON INNOVATIONS, INC.

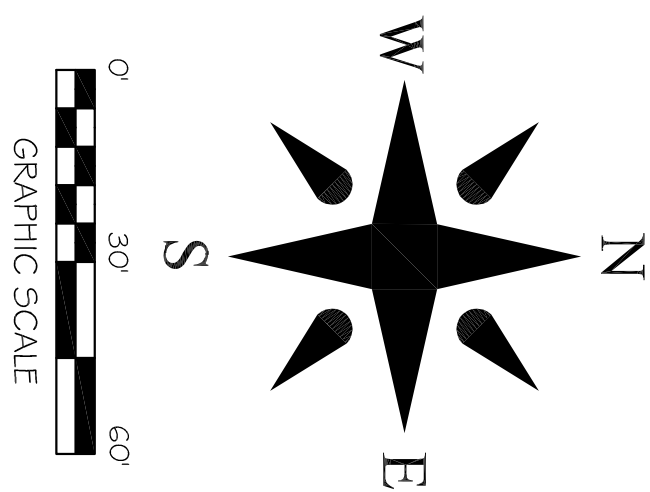
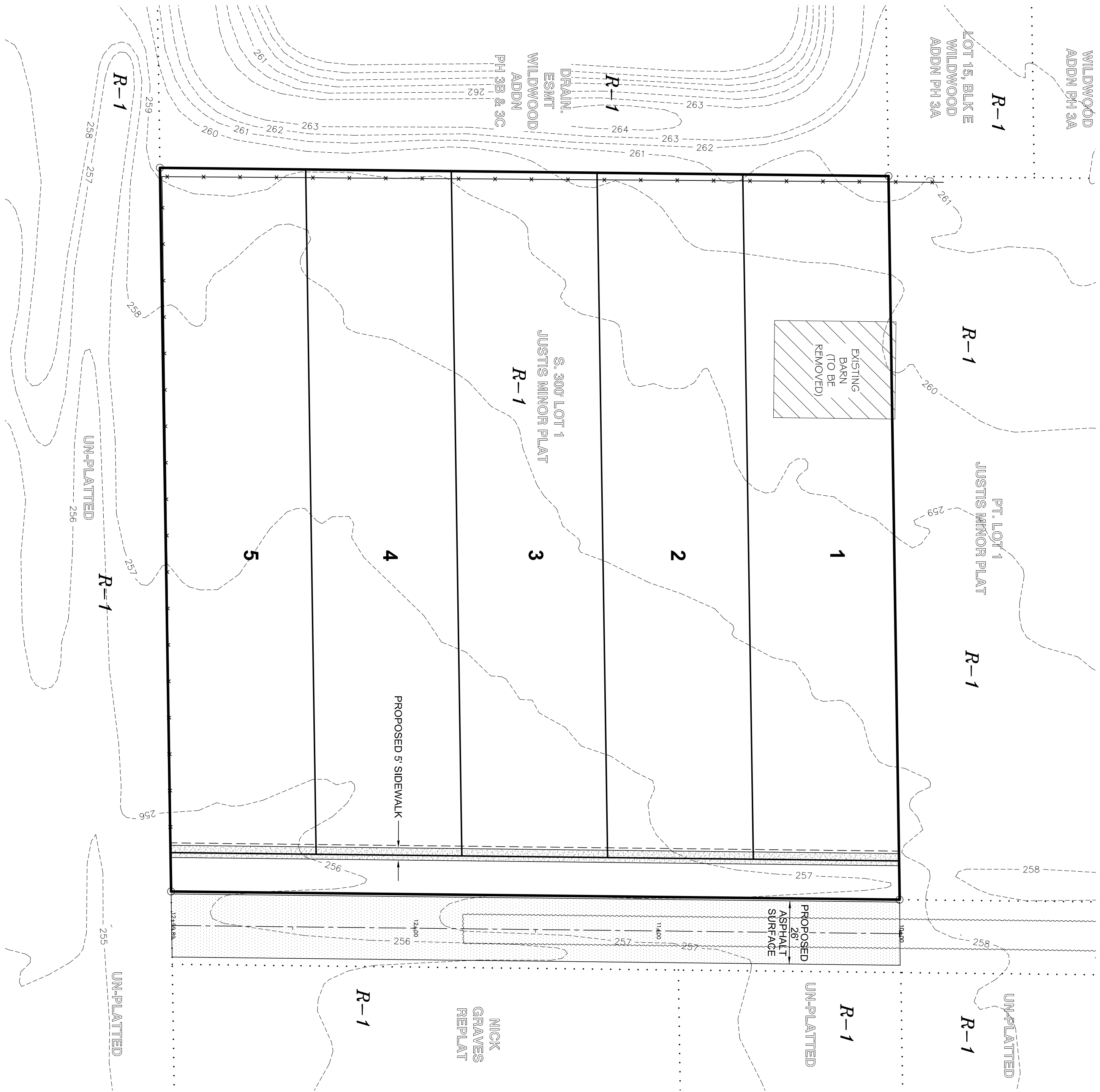


JOB NO.: 119079  
SHEET NUMBER

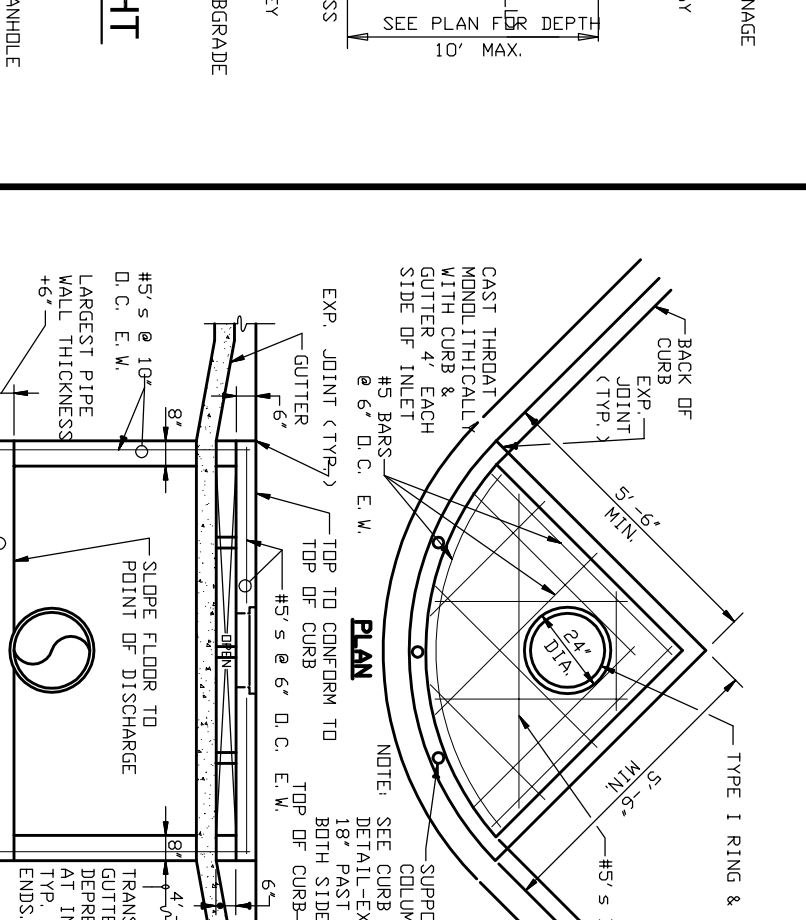
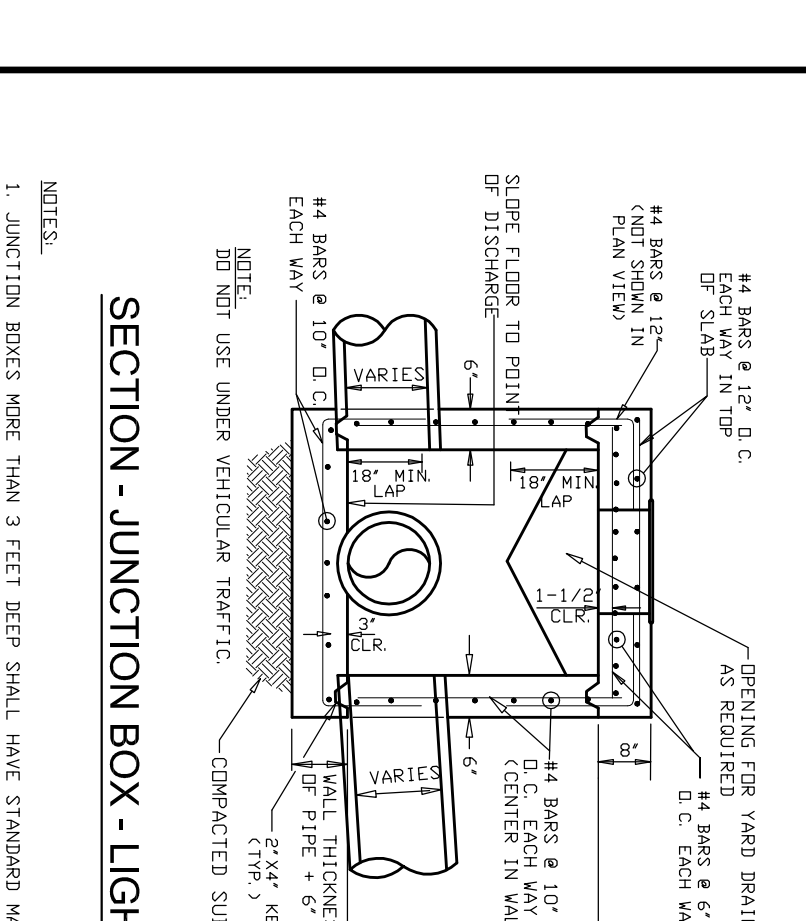
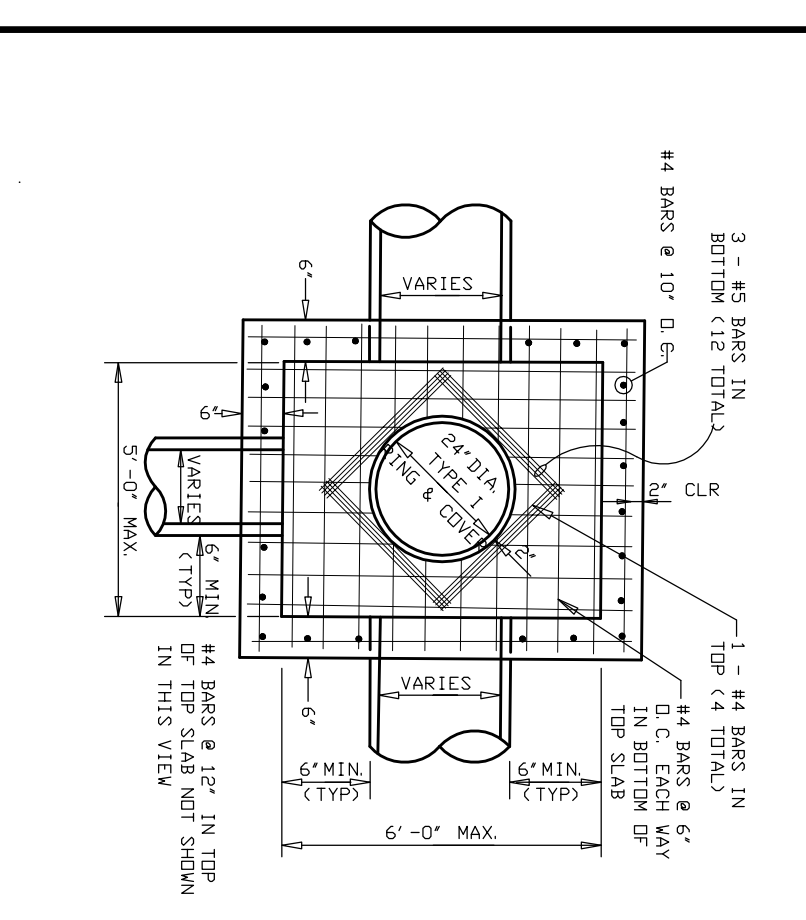
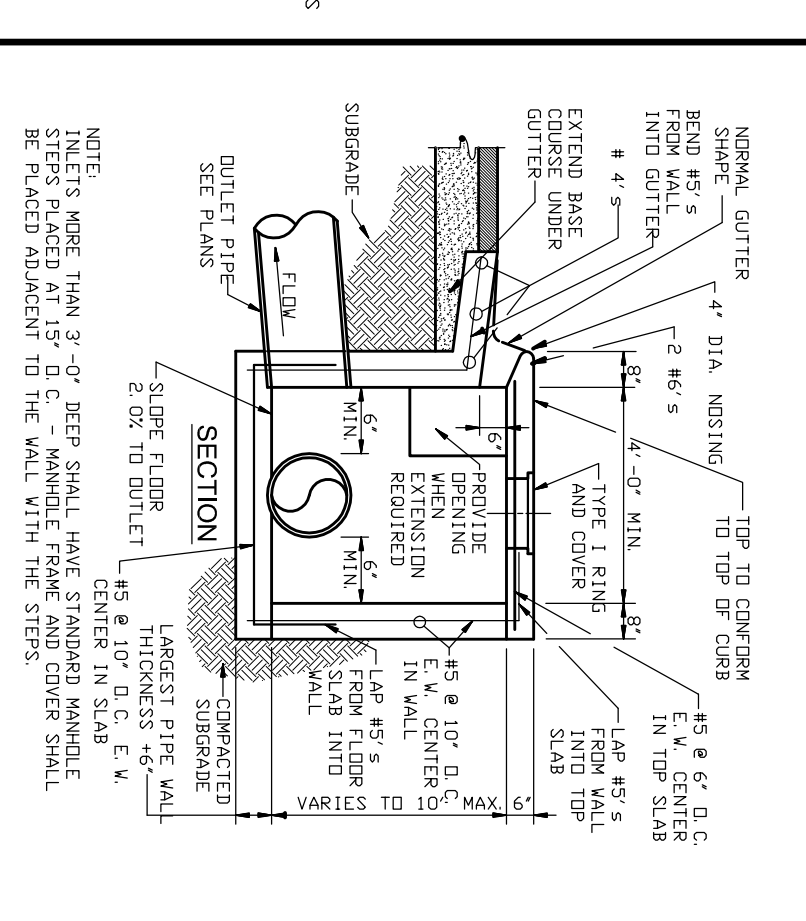
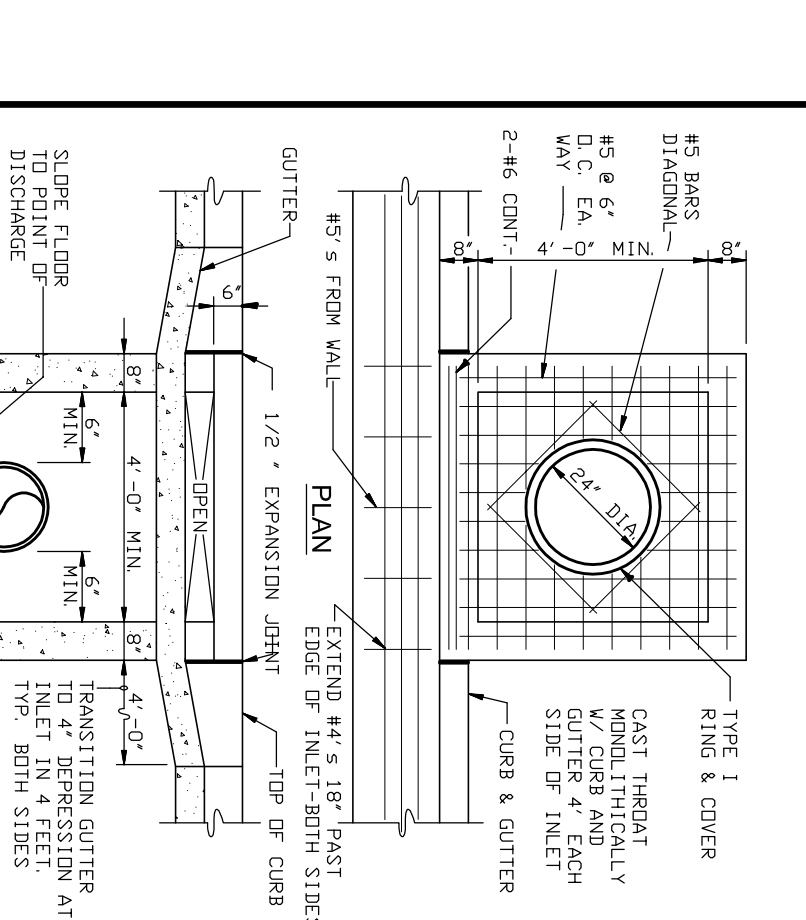
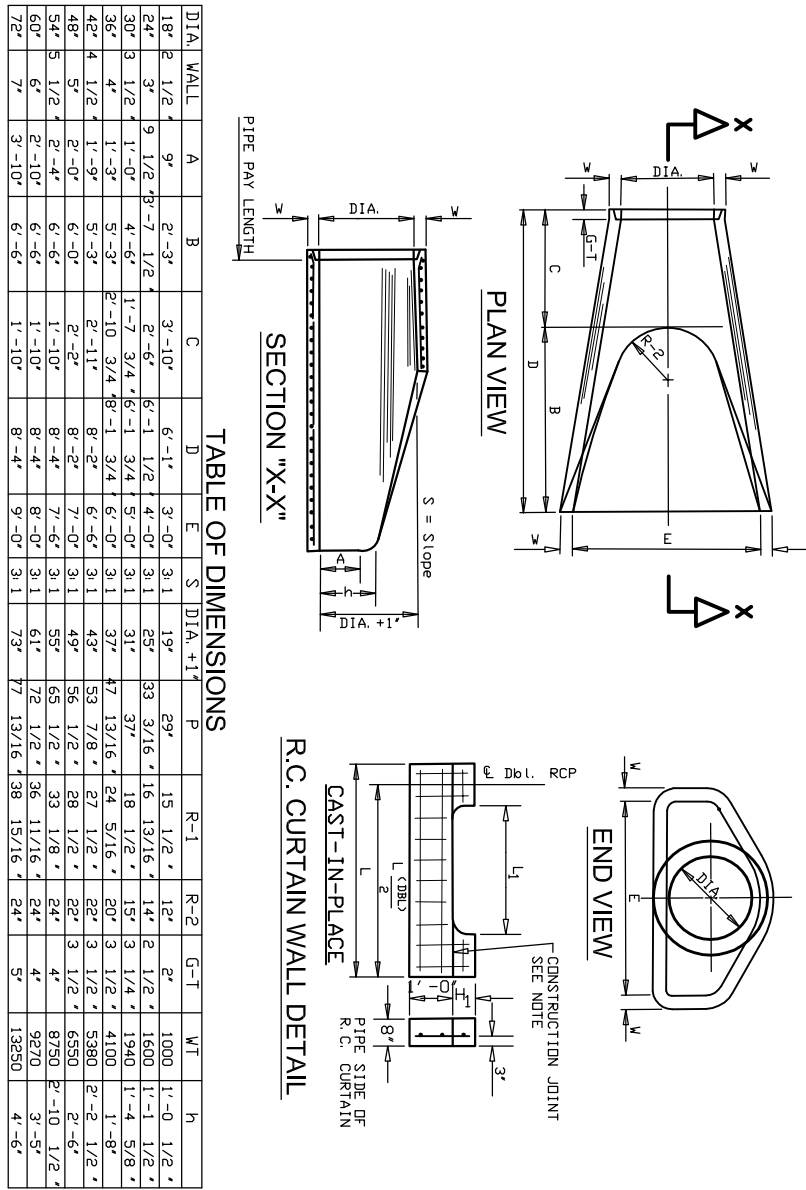








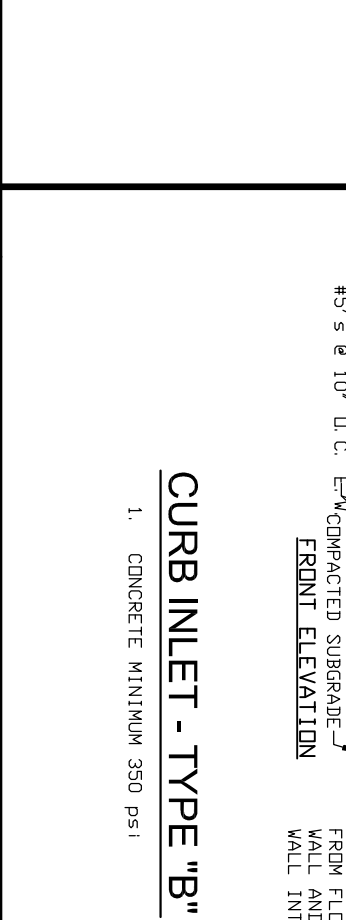
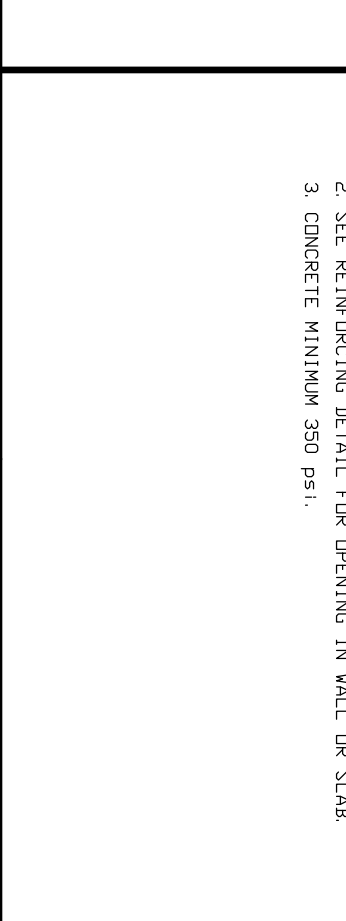
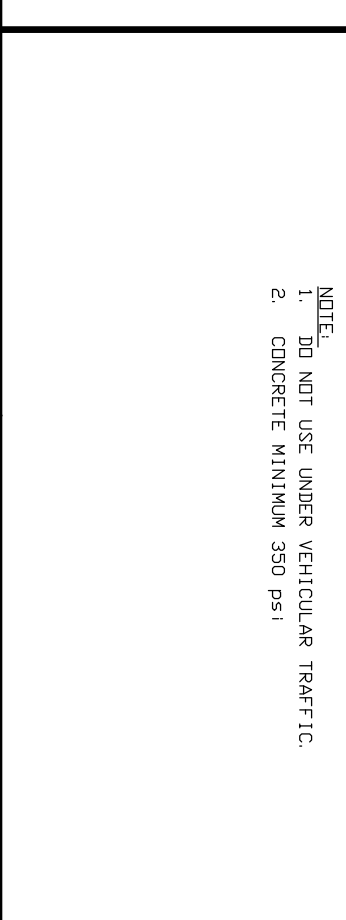
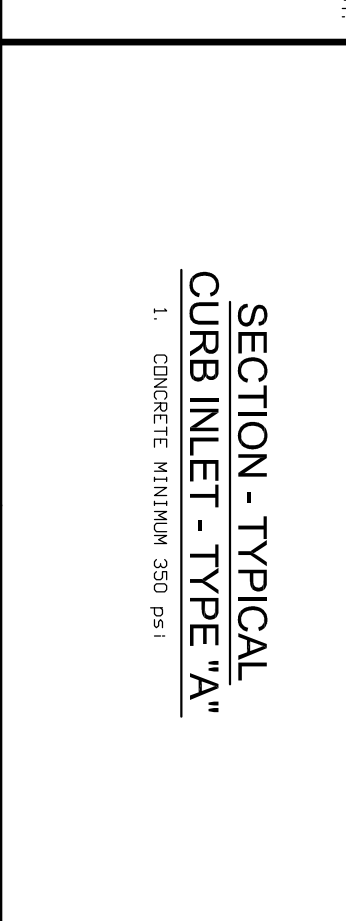
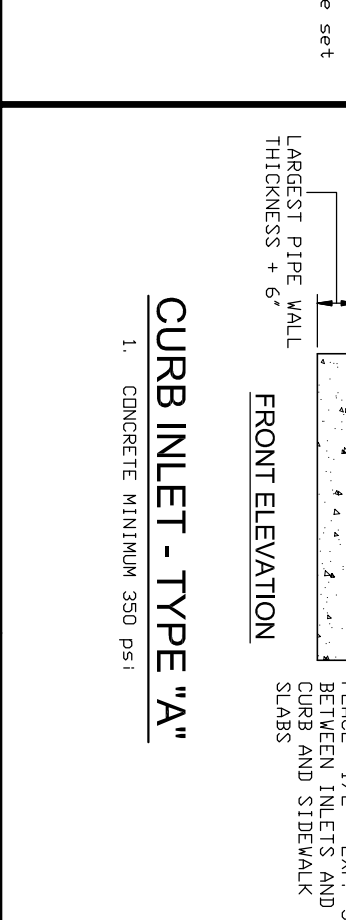




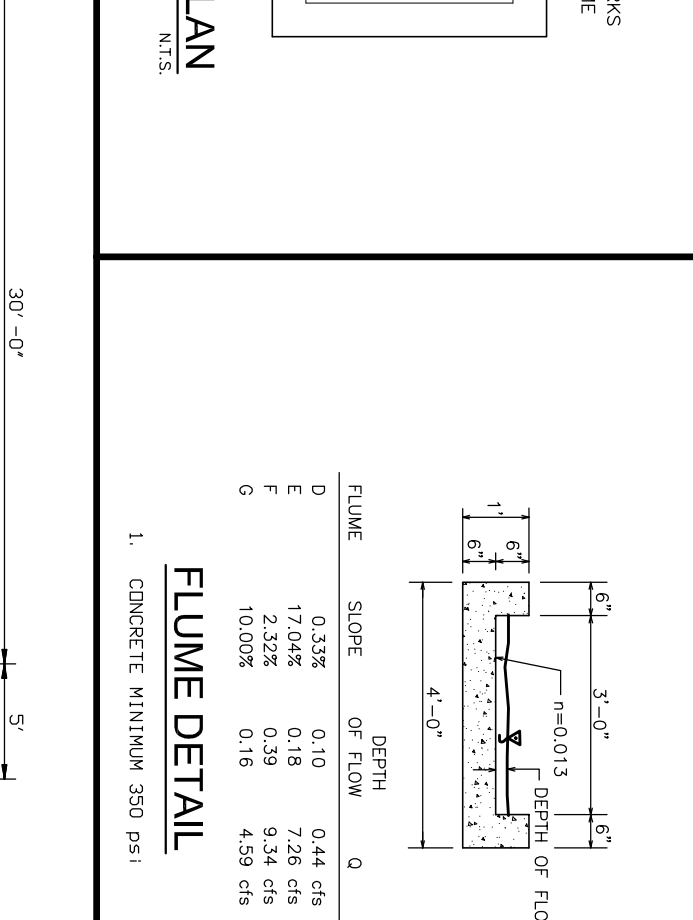
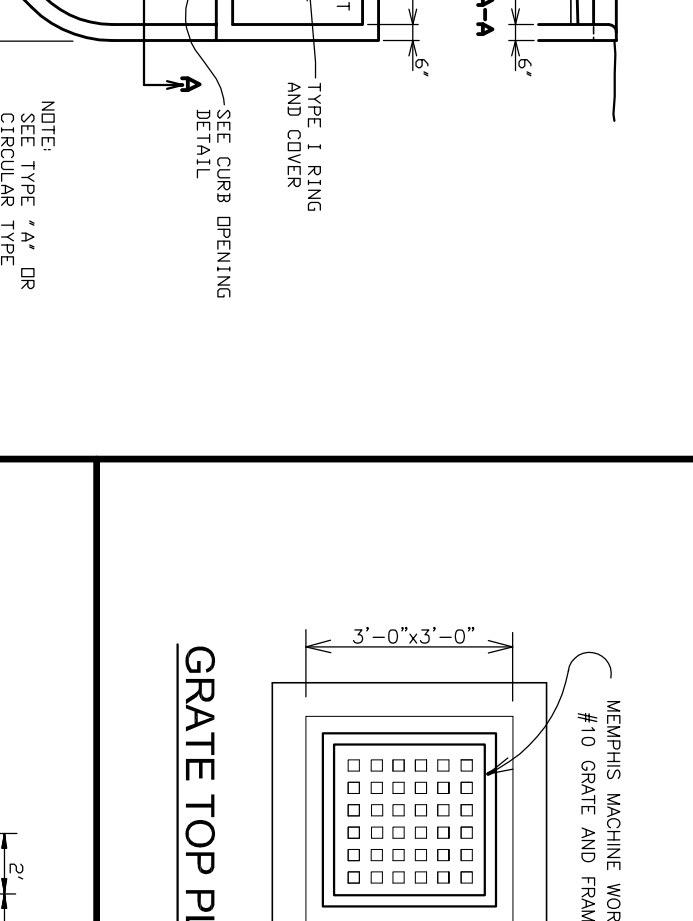
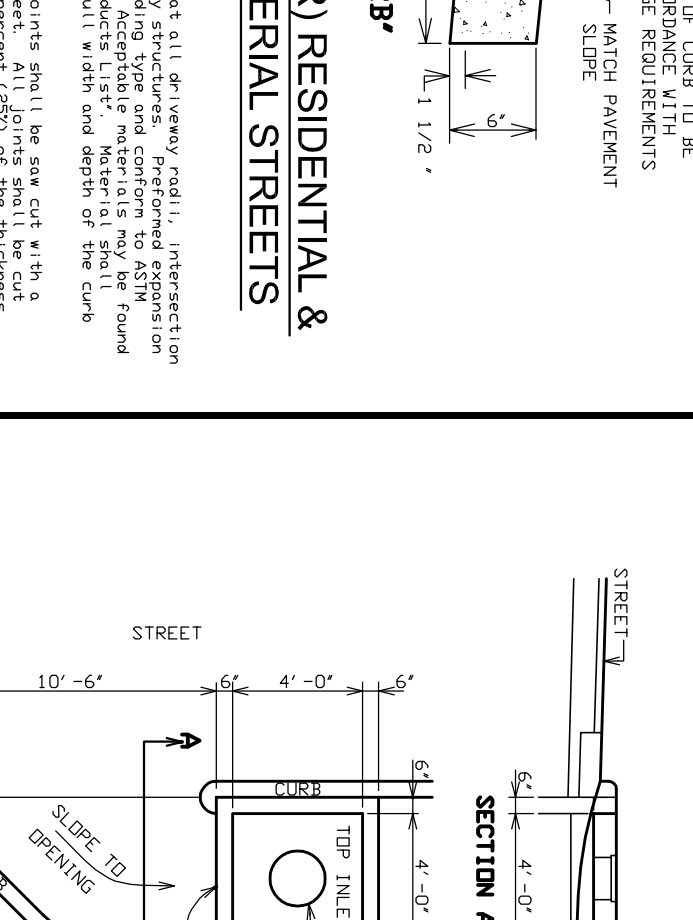
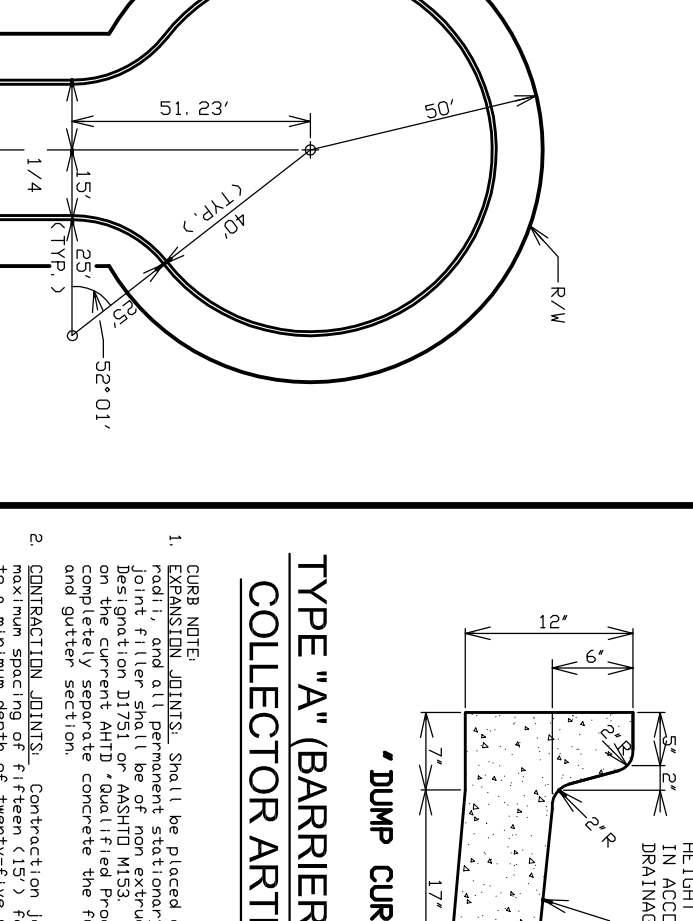
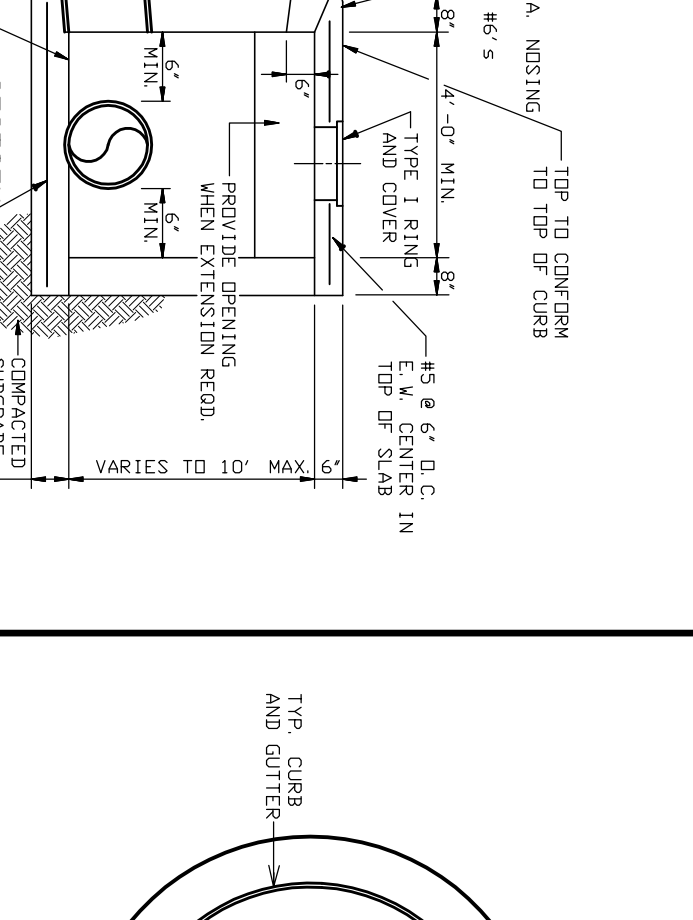
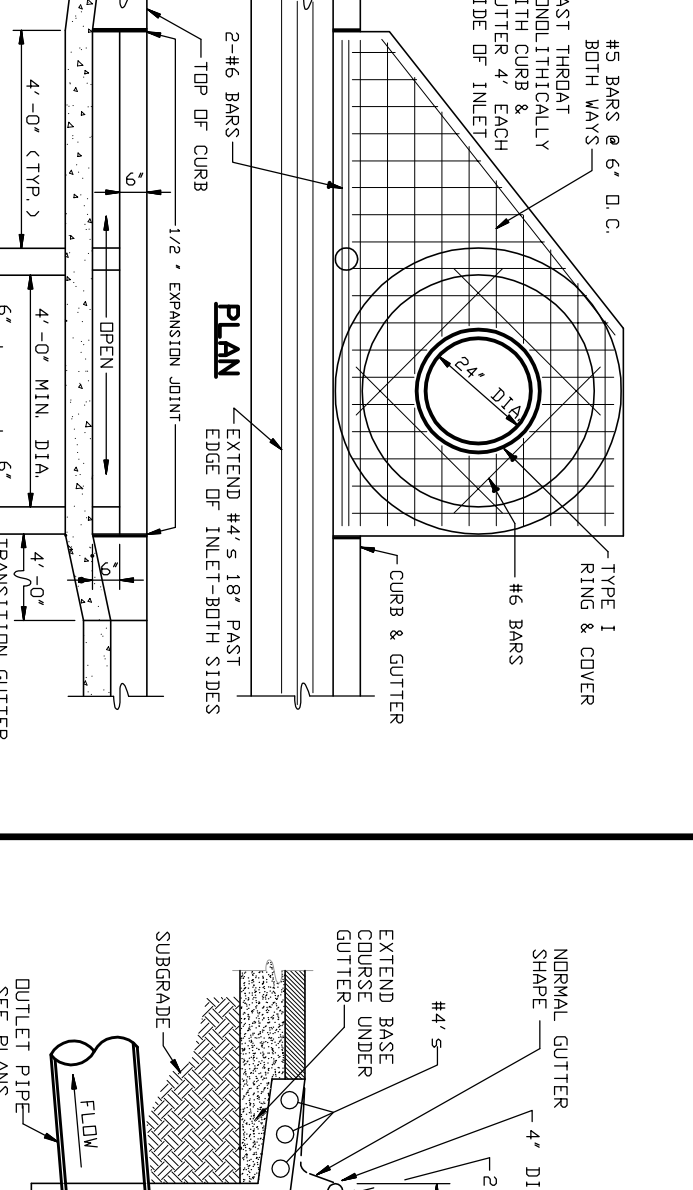
| Section   | Township | Range       | County    |
|-----------|----------|-------------|-----------|
| 14        | 14N      | 04E         | CRAIGHEAD |
| Drawn By: | RE       | Checked by: | GH        |

### FLARED END SECTION DETAILS FOR REINFORCED CONCRETE PIPE CULVERT

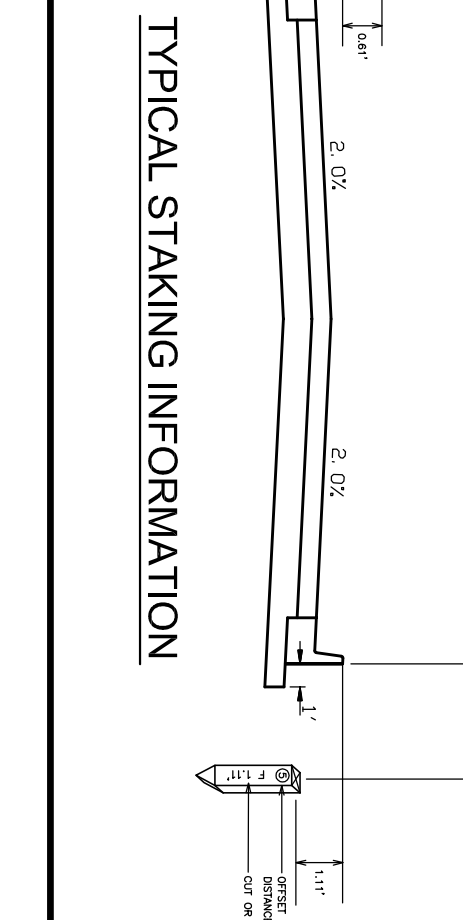
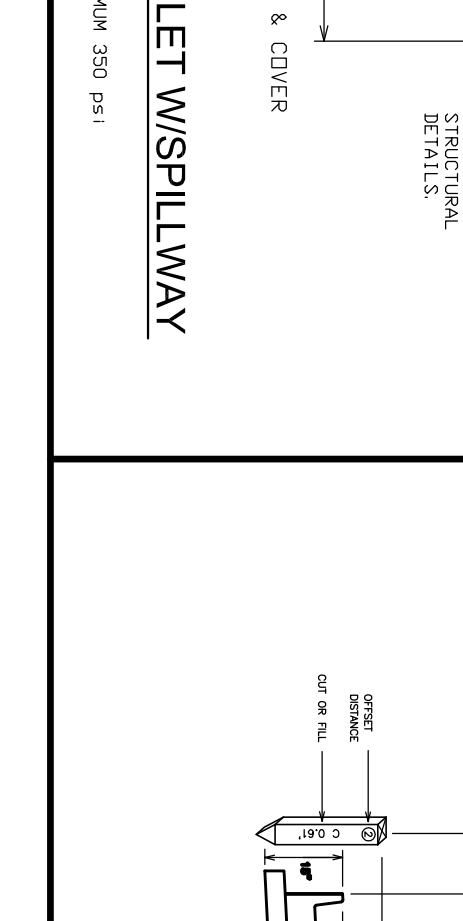
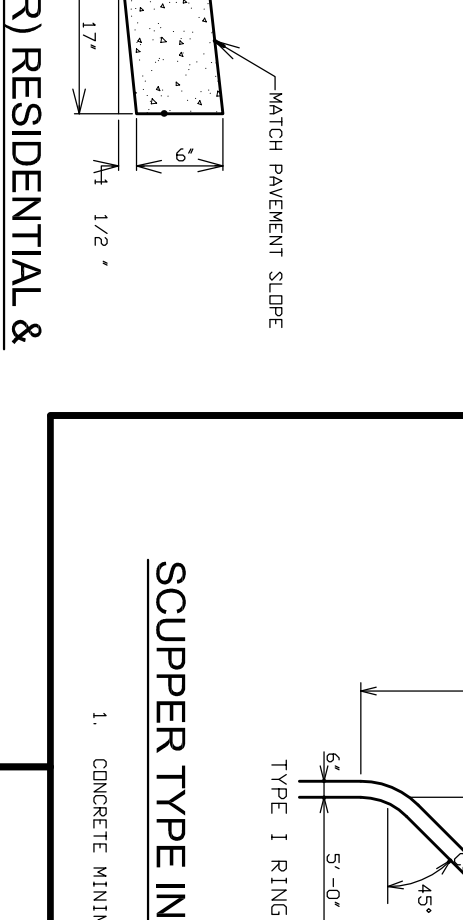
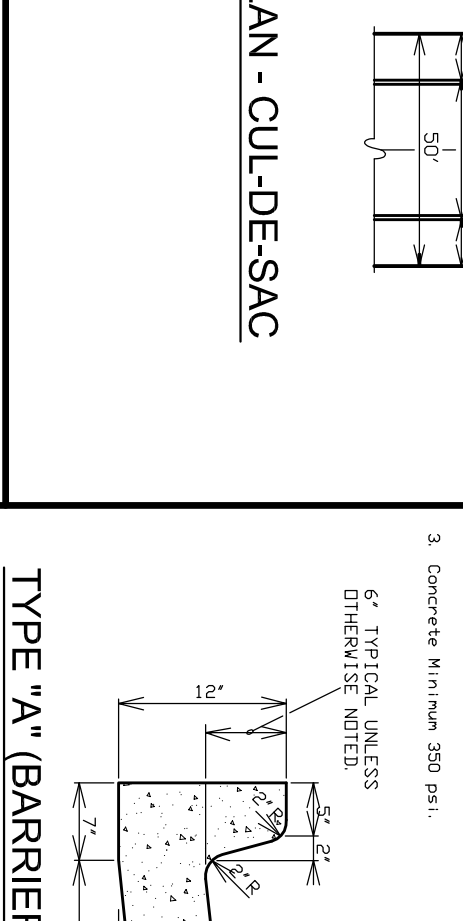
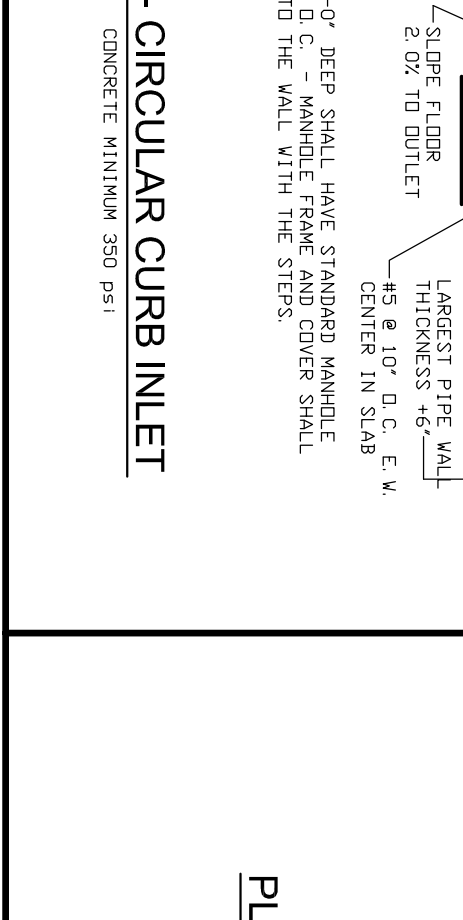
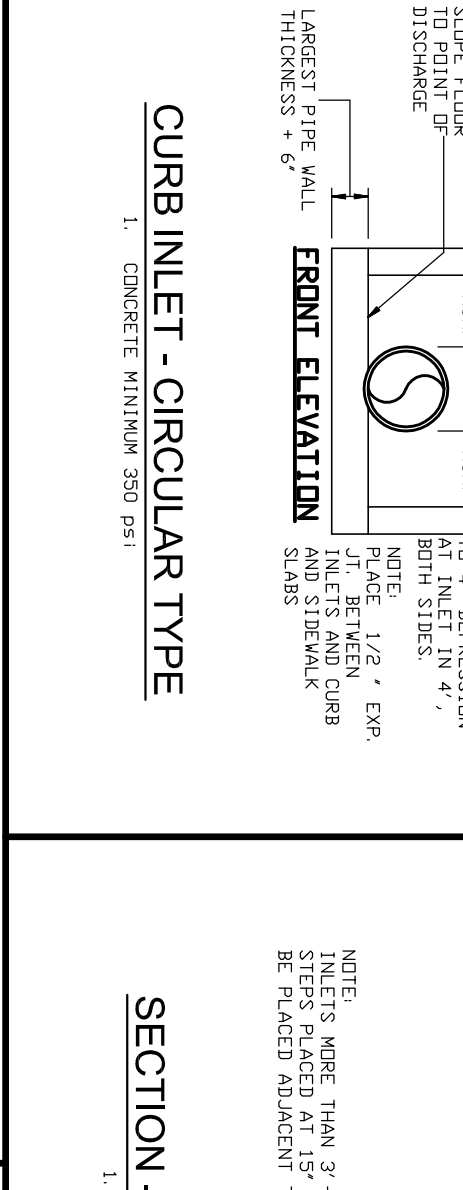
1.  $\phi$  of  $\phi$  should be the flared end of the pipe. The flared end section should be made of concrete.
2. All reinforcing steel pipe as Bars at  $6^{\circ}$   $\phi$  C.
3. Considered necessary to the flared end section.
4. Top and bottom reinforcement. Groove and Up Downward.
5. Concrete thickness 100 mm.



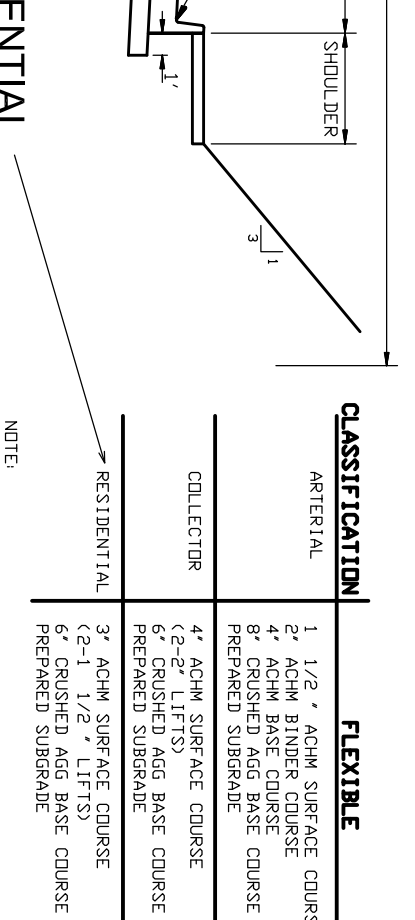
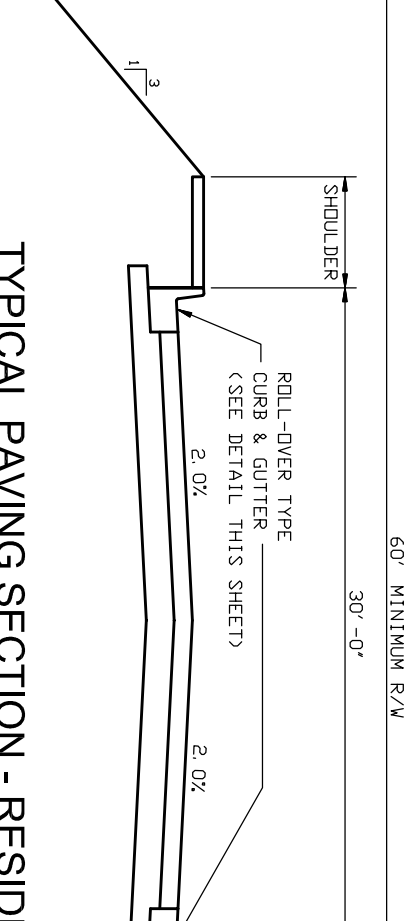
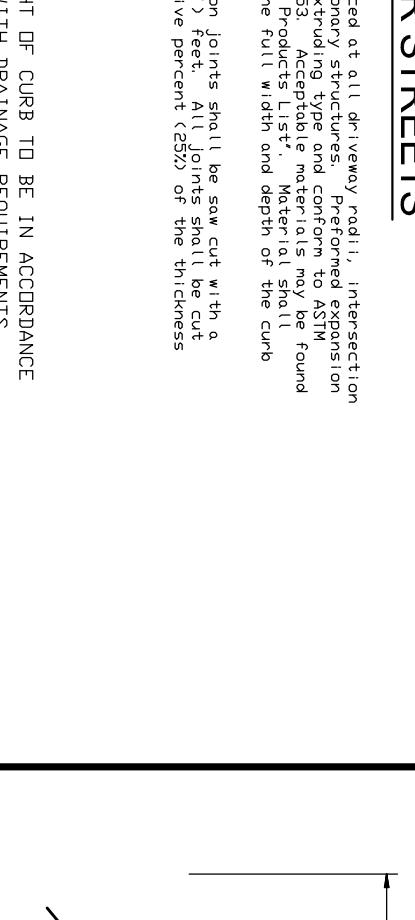
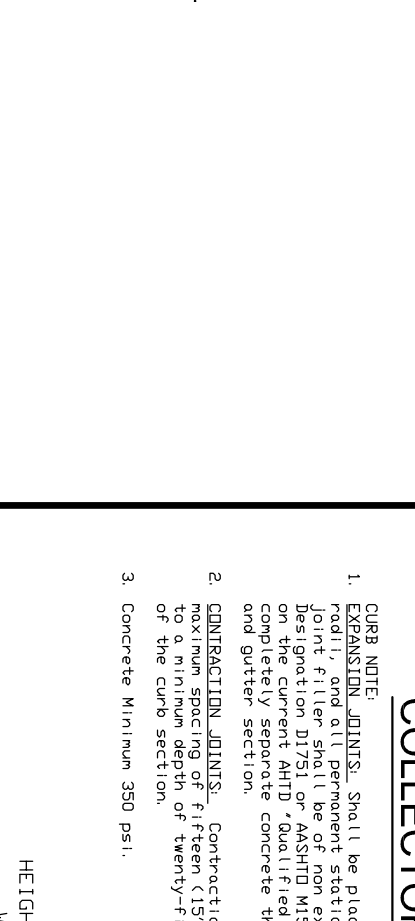
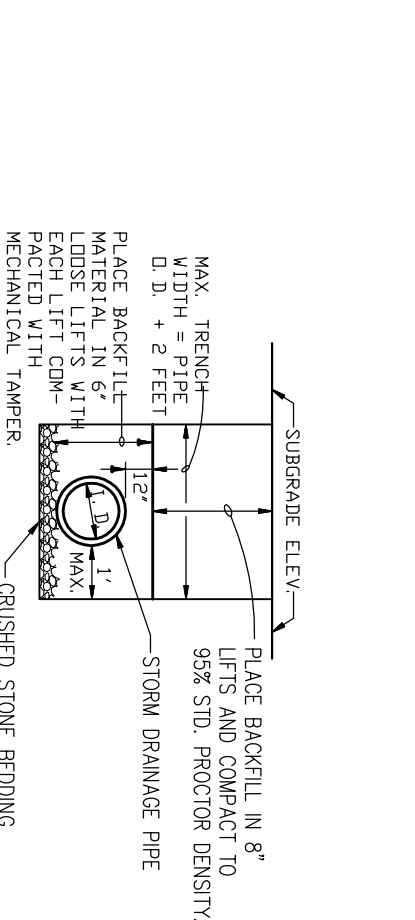
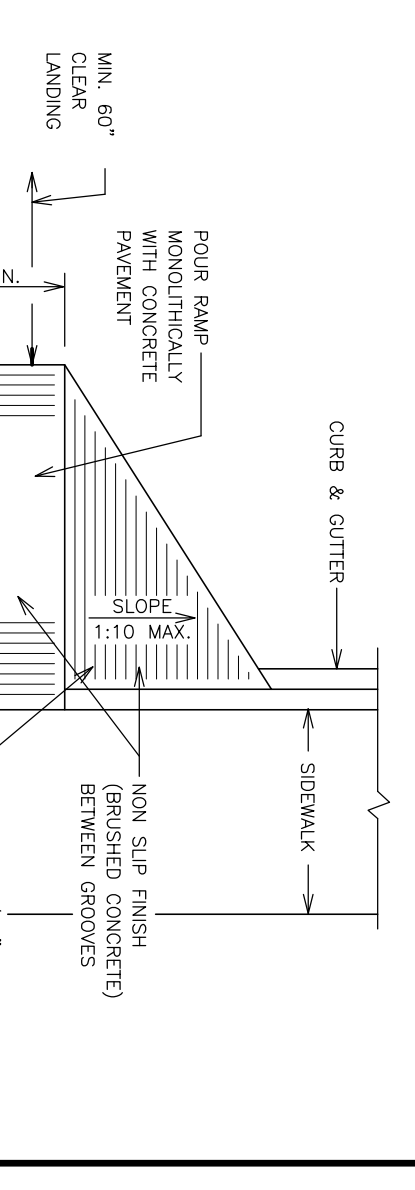
| Section   | Township | Range       | County    |
|-----------|----------|-------------|-----------|
| 14        | 14N      | 04E         | CRAIGHEAD |
| Drawn By: | RE       | Checked by: | GH        |



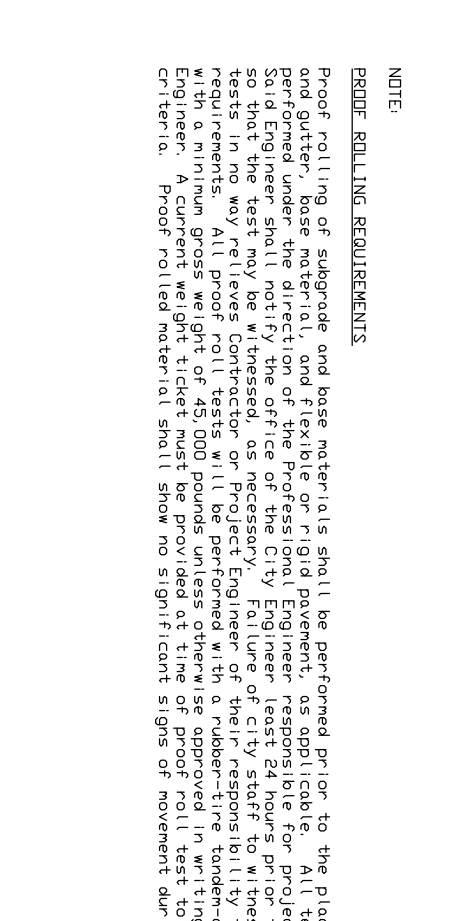
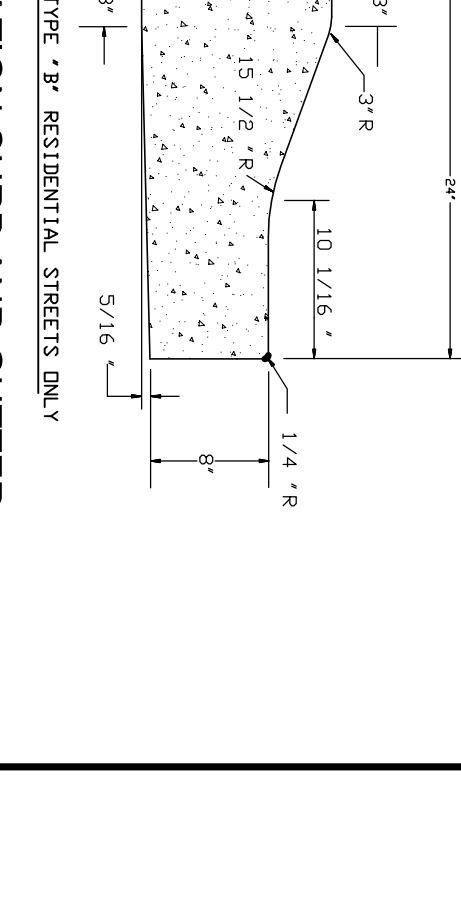
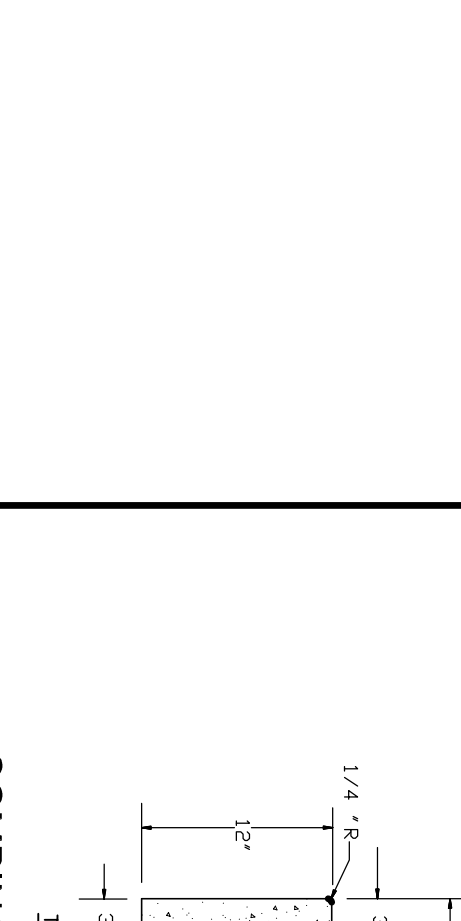
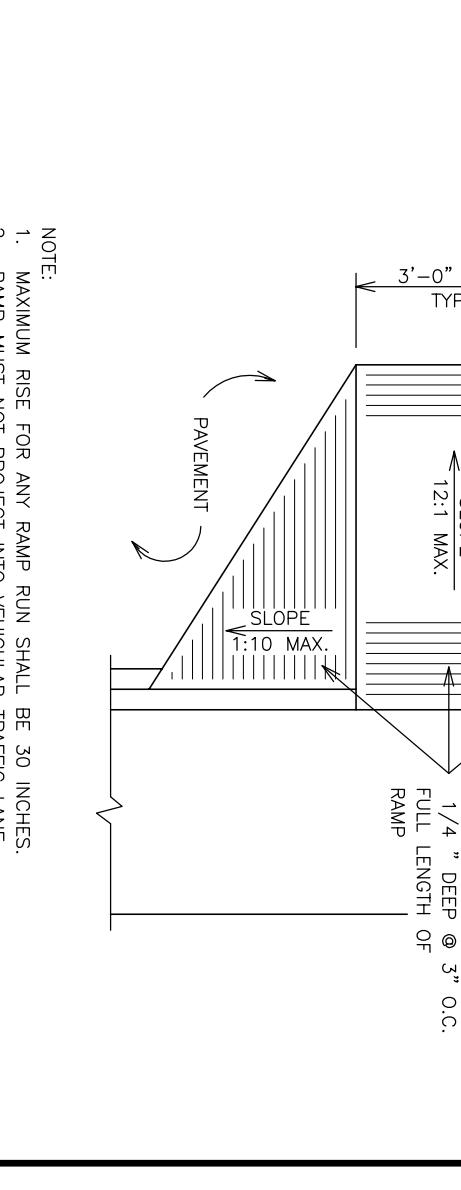
| Section   | Township | Range       | County    |
|-----------|----------|-------------|-----------|
| 14        | 14N      | 04E         | CRAIGHEAD |
| Drawn By: | RE       | Checked by: | GH        |



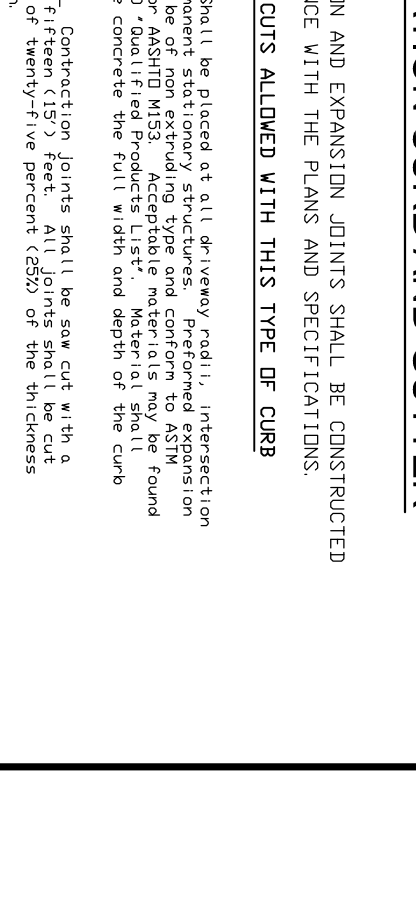
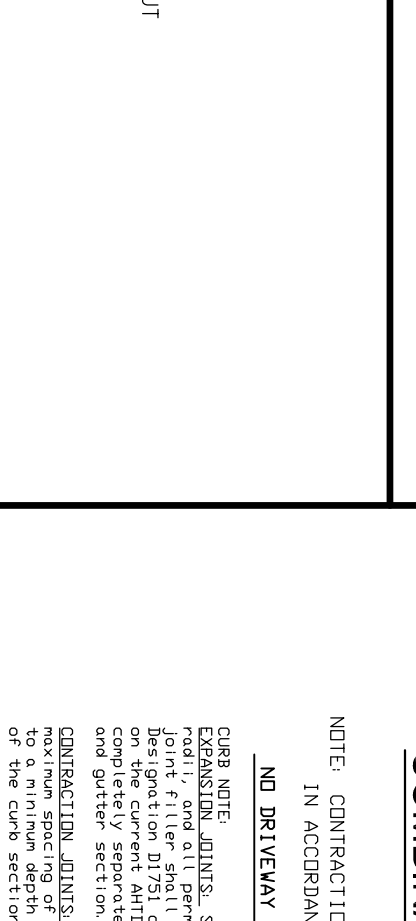
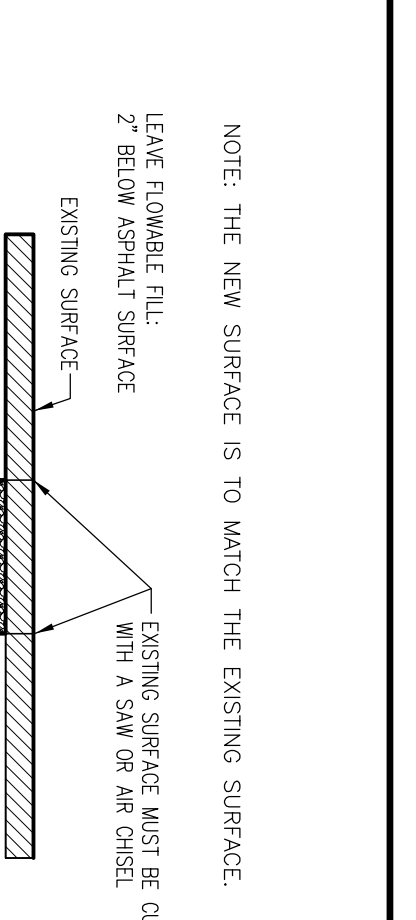
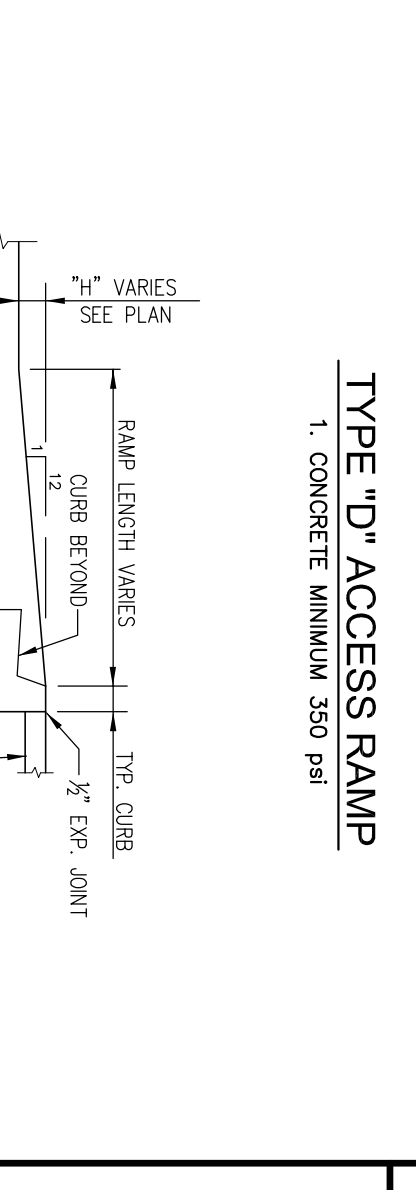
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|-----------|----------|-------------|-----------|
| 14        | 14N      | 04E         | CRAIGHEAD |
| Drawn By: | RE       | Checked by: | GH        |



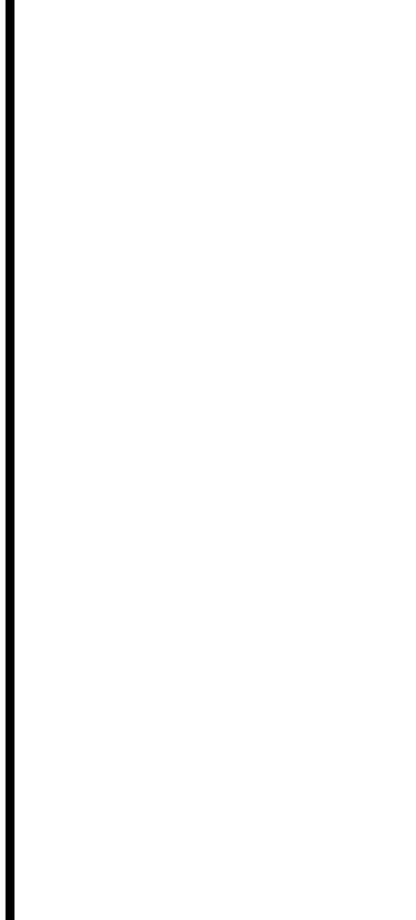
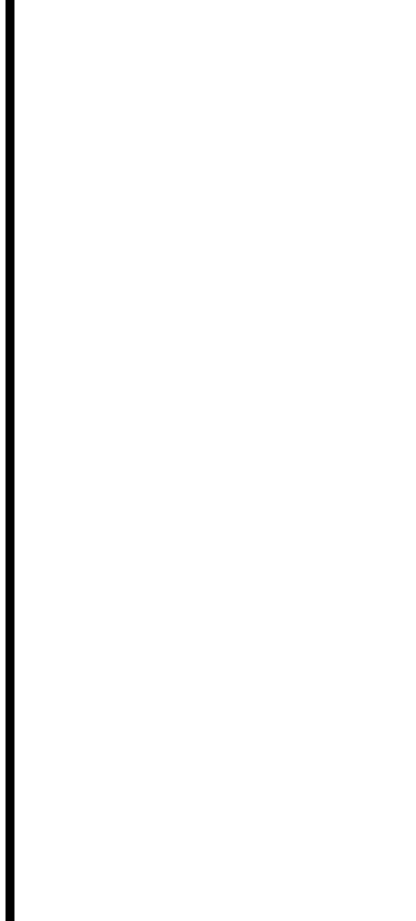
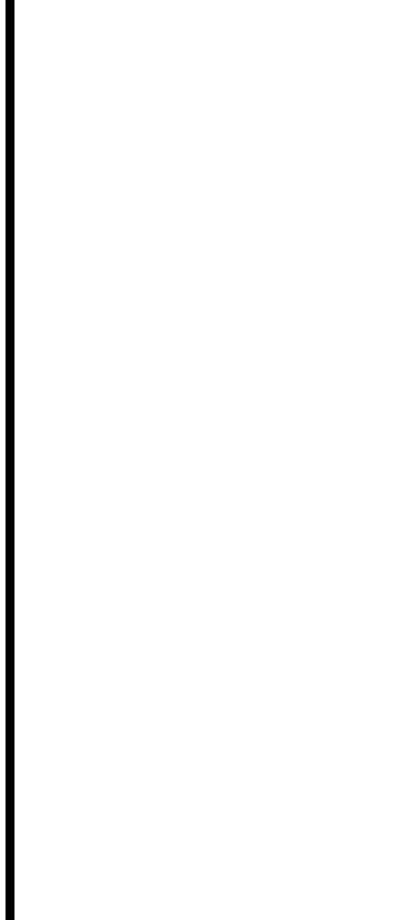
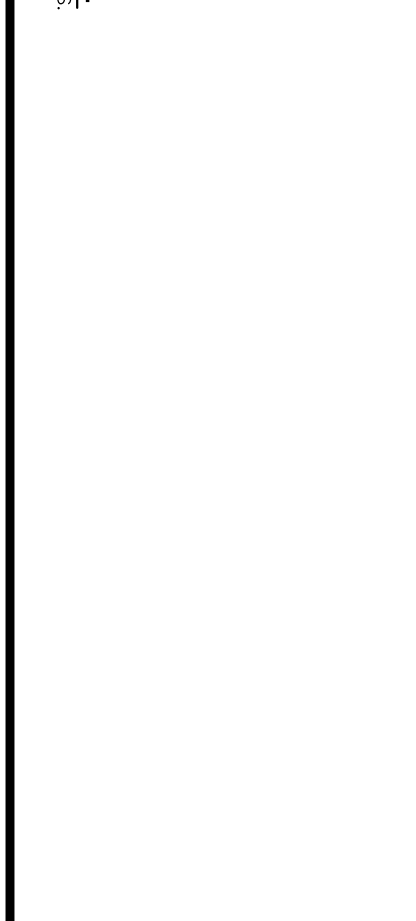
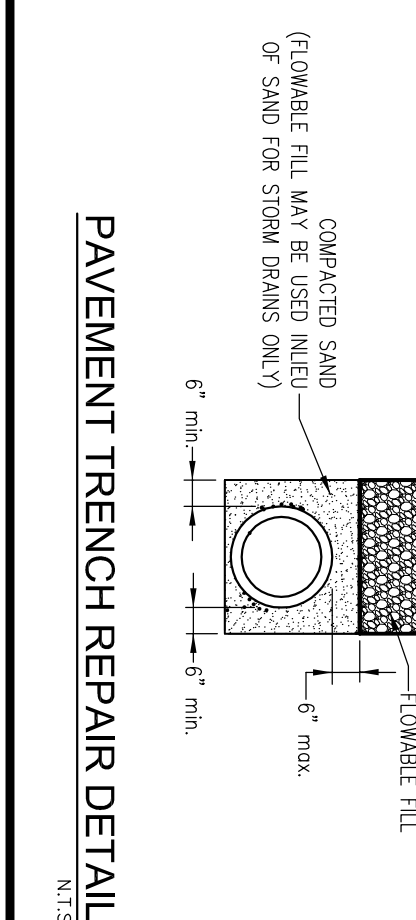
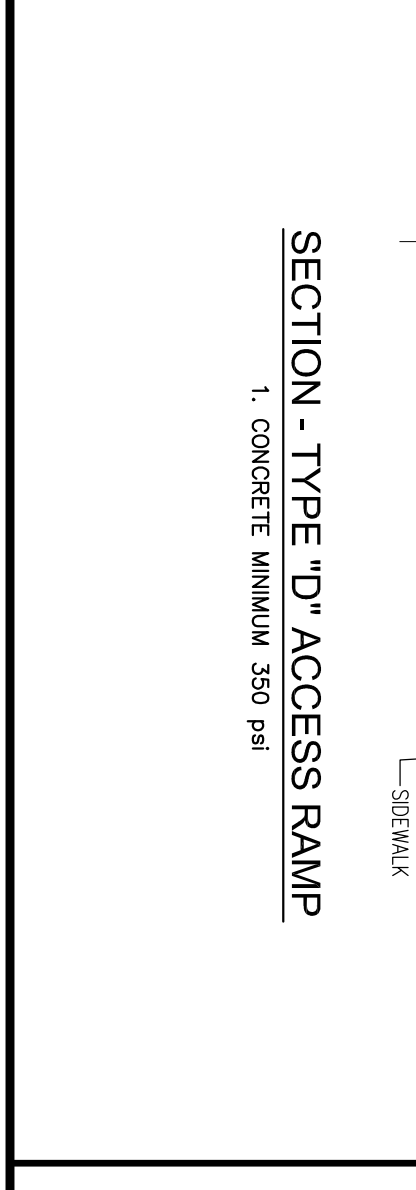
| Section   | Township | Range       | County    |
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| Drawn By: | RE       | Checked by: | GH        |



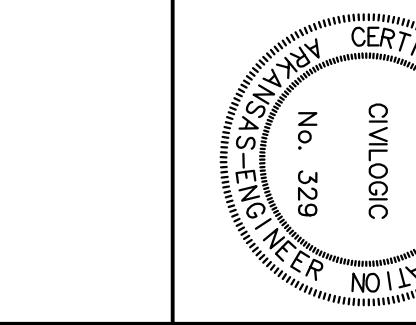
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| 14        | 14N      | 04E         | CRAIGHEAD |
| Drawn By: | RE       | Checked by: | GH        |



| Section   | Township | Range       | County    |
|-----------|----------|-------------|-----------|
| 14        | 14N      | 04E         | CRAIGHEAD |
| Drawn By: | RE       | Checked by: | GH        |



| Section   | Township | Range       | County    |
|-----------|----------|-------------|-----------|
| 14        | 14N      | 04E         | CRAIGHEAD |
| Drawn By: | RE       | Checked by: | GH        |



**STANDARD STREET & DRAINAGE DETAILS**  
 ??????????????????????  
 JONESBORO, ARKANSAS  
 FOR  
 JACKSON INNOVATIONS, INC.

| Section   | Township | Range       | County    |
|-----------|----------|-------------|-----------|
| 14        | 14N      | 04E         | CRAIGHEAD |
| Drawn By: | RE       | Checked by: | GH        |

| Section   | Township | Range       | County    |
|-----------|----------|-------------|-----------|
| 14        | 14N      | 04E         | CRAIGHEAD |
| Drawn By: | RE       | Checked by: | GH        |

| Section   | Township | Range       | County    |
|-----------|----------|-------------|-----------|
| 14        | 14N      | 04E         | CRAIGHEAD |
| Drawn By: | RE       | Checked by: | GH        |

| Section   | Township | Range       | County    |
|-----------|----------|-------------|-----------|
| 14        | 14N      | 04E         | CRAIGHEAD |
| Drawn By: | RE       | Checked by: | GH        |

| Section   | Township | Range       | County    |
|-----------|----------|-------------|-----------|
| 14        | 14N      | 04E         | CRAIGHEAD |
| Drawn By: | RE       | Checked by: | GH        |

| Section   | Township | Range       | County    |
|-----------|----------|-------------|-----------|
| 14        | 14N      | 04E         | CRAIGHEAD |
| Drawn By: | RE       | Checked by: | GH        |