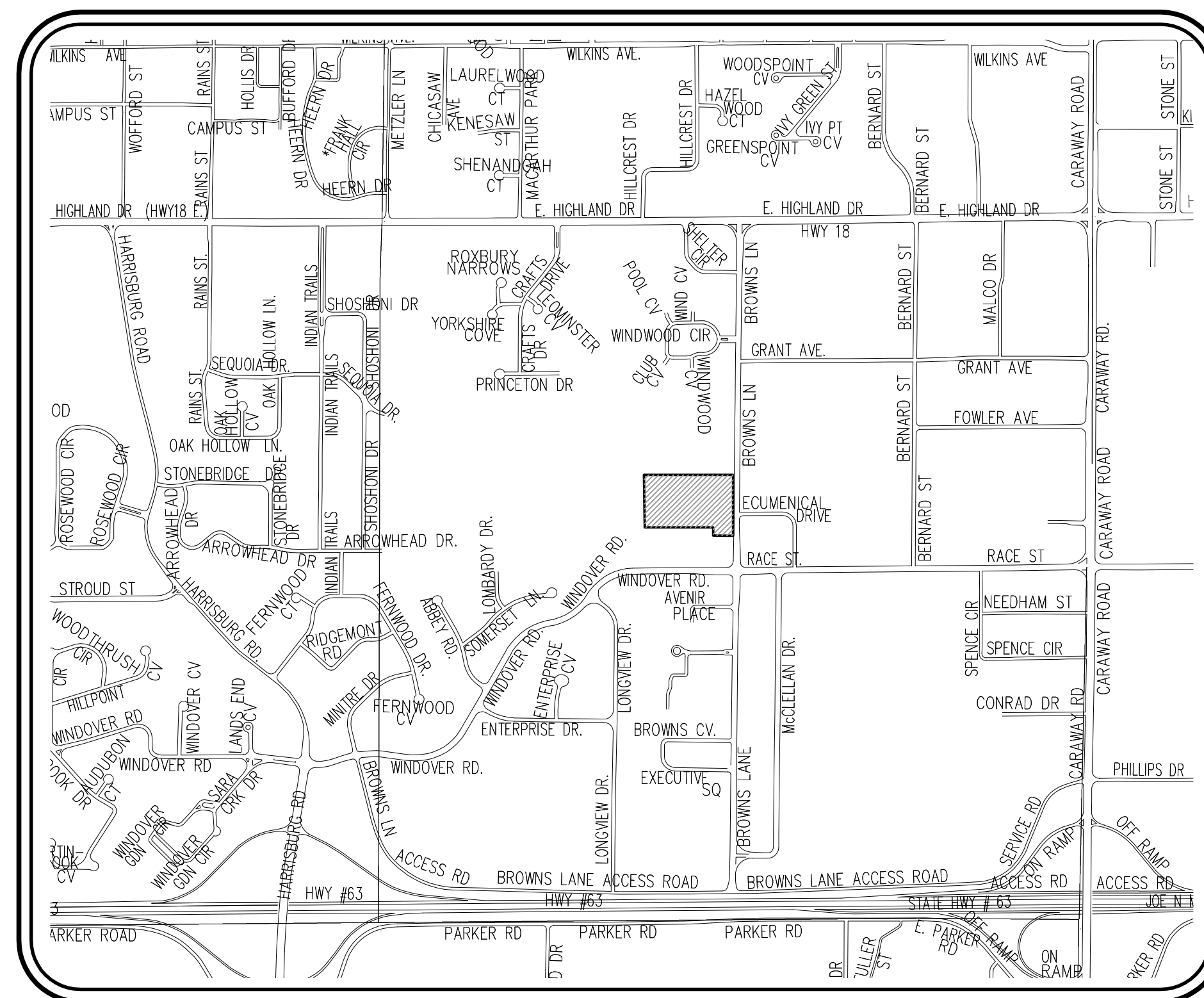


# RITTER CENTRE

## JONESBORO, ARKANSAS



Know what's below.  
Call before you dig.



**DEVELOPER:**

MR. PAUL WAITS, PRESIDENT  
RITTER COMMUNICATIONS  
3300 ONE PLACE  
JONESBORO, AR 72404  
870-336-2336

**ENGINEER/SURVEYOR:**

*Civilogic*  
GEORGE HAMMAN, P.E., P.S.  
203 SOUTHWEST DRIVE  
JONESBORO, AR 72401  
870-932-7880

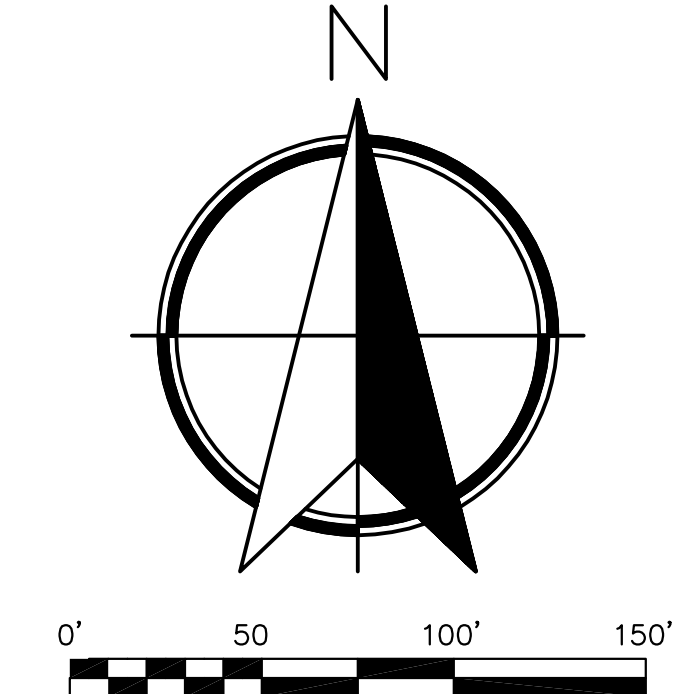
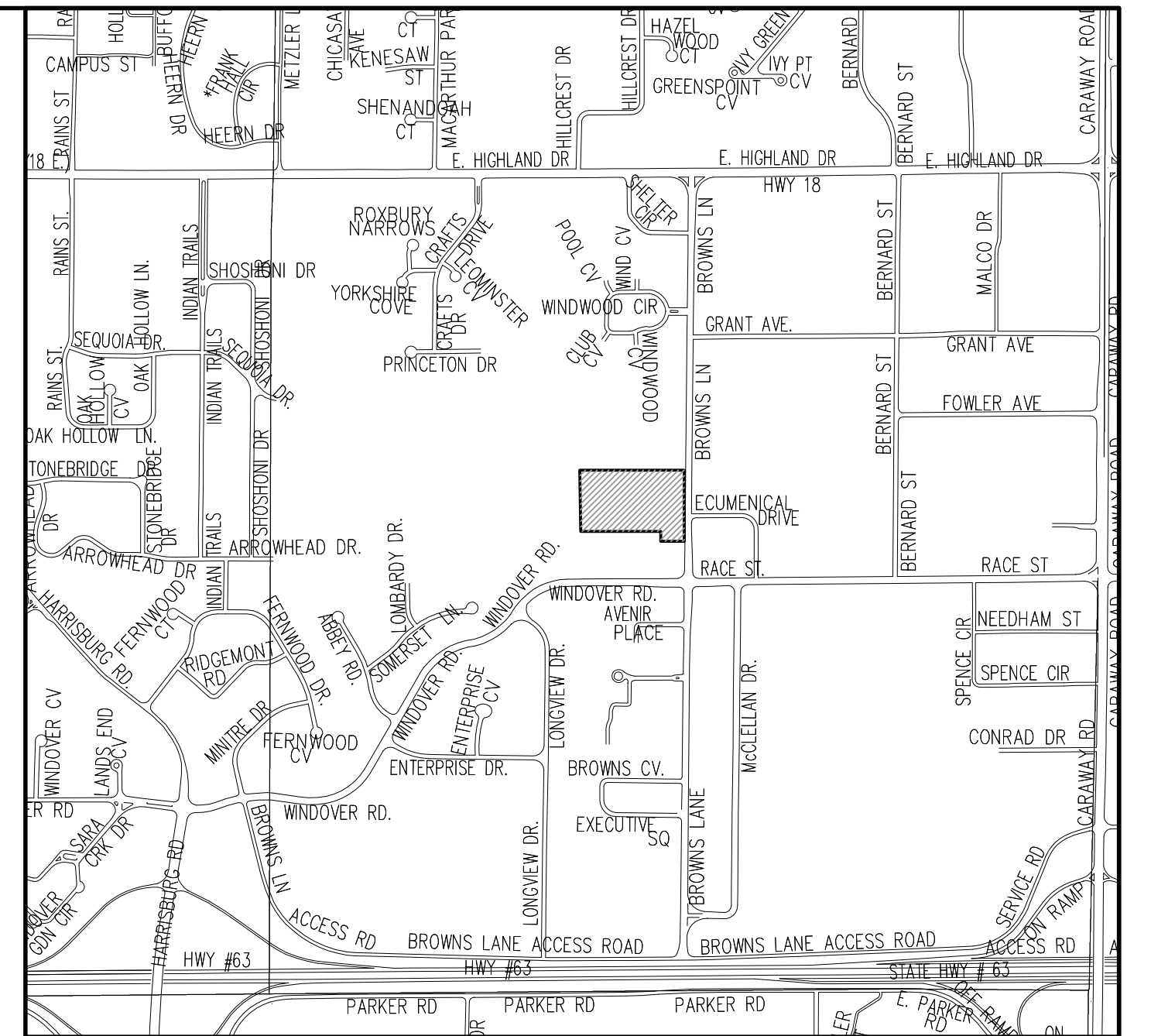
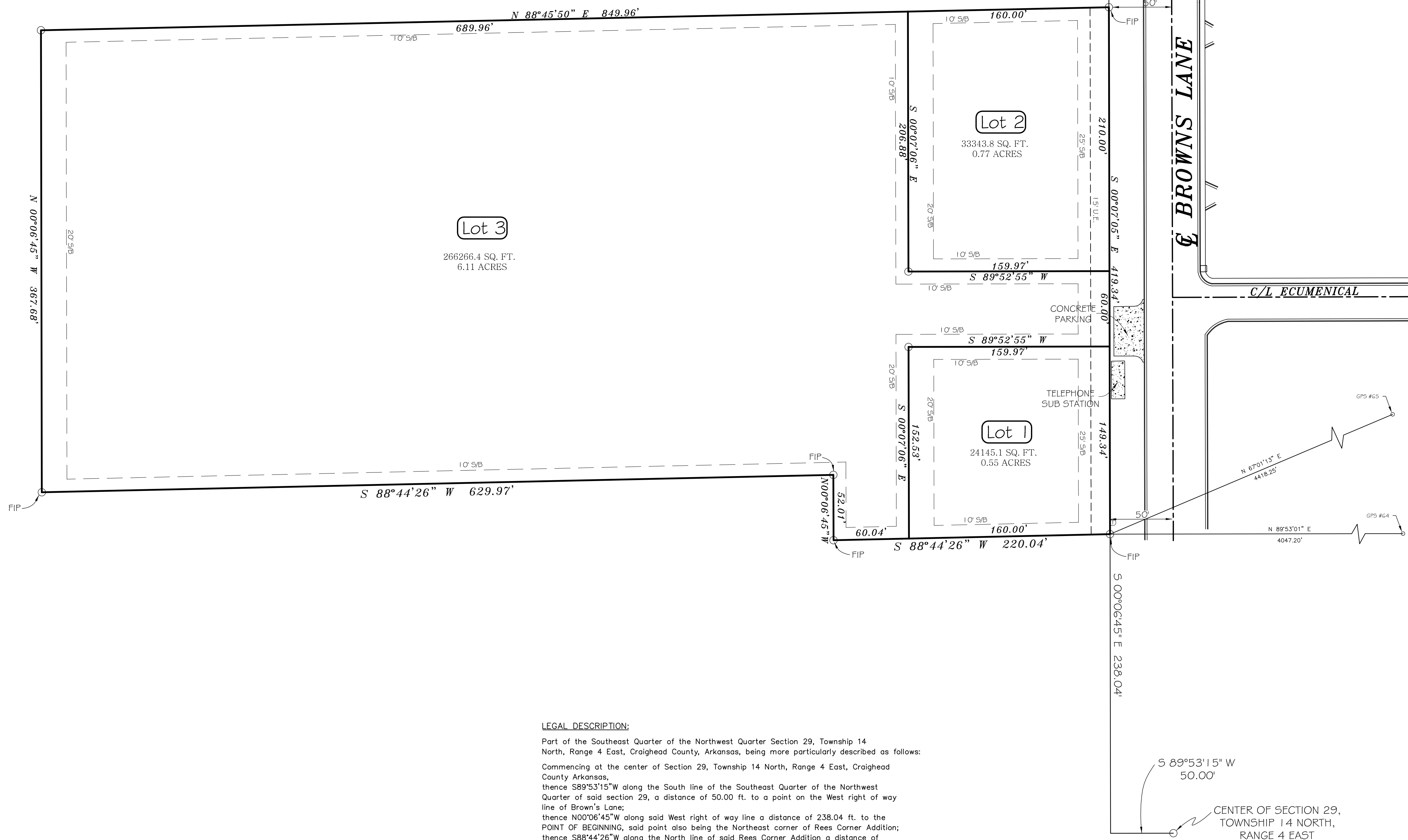
### LEGEND

These standard symbols will be found in the drawing.

- ⊕ FIRE HYDRANT
- ⊗ WATER VALVE
- - - - - EXISTING SANITARY SEWER LINE
- — — — — PROPOSED SANITARY SEWER LINE
- ⊞ WATER METER
- ⊗ SPRINKLER VALVE
- ⊙ GAS METER
- ⊙ TELEPHONE PEDESTAL
- POWER POLE
- ⊙ PROPOSED SEWER MANHOLE
- ⊙ EXISTING SEWER MANHOLE
- x BLOW OFF ASSEMBLY
- - - - - EXISTING WATER LINE
- - - - - PROPOSED WATER LINE
- △ GAS MARKER

**INDEX OF SHEETS:**

- 1) MINOR PLAT
- 2) PROPOSED MINOR PLAT
- 3) OVERALL UTILITY & DRAINAGE PLAN
- 4) OVERALL SANITARY SEWER PLAN
- 5) OVERALL DRAINAGE PLAN
- 6) OVERALL WATER DISTRIBUTION PLAN
- 7) SOIL & EROSION CONTROL PLAN
- 8) STREET PLAN & PROFILE
- 9) STREET PLAN & PROFILE
- 10) STREET CONSTRUCTION DETAILS
- 11) UTILITY CONSTRUCTION DETAILS
- 12) CLEARING LIMITS



**LEGAL DESCRIPTION:**

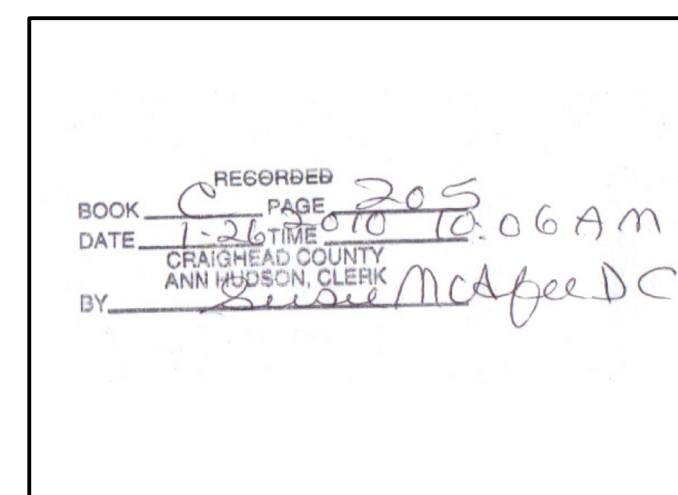
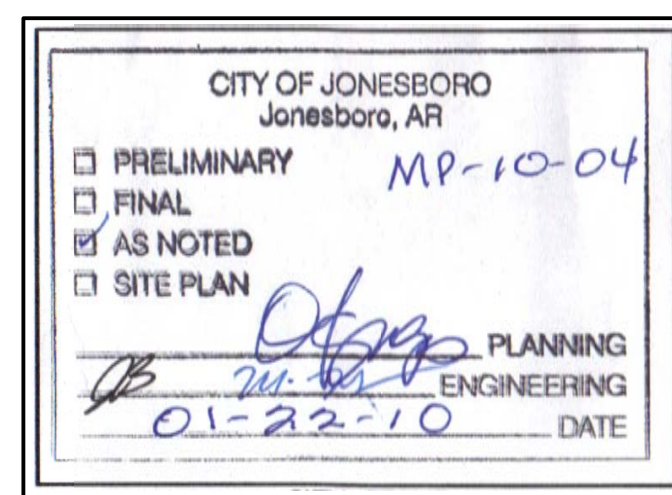
Part of the Southeast Quarter of the Northwest Quarter Section 29, Township 14 North, Range 4 East, Craighead County, Arkansas, being more particularly described as follows:  
 Commencing at the center of Section 29, Township 14 North, Range 4 East, Craighead County Arkansas;  
 thence S89°53'15" W along the South line of the Southeast Quarter of the Northwest Quarter of said section 29, a distance of 50.00 ft. to a point on the West right of way line of Brown's Lane;  
 thence N00°06'45" W along said West right of way line a distance of 238.04 ft. to the POINT OF BEGINNING, said point also being the Northeast corner of Rees Corner Addition;  
 thence S88°44'26" W along the North line of said Rees Corner Addition a distance of 220.04 ft. to the Northwest corner of said Rees Corner Addition, point also lying on the East line of Dacus Windover 1st Addition;  
 thence N00°06'45" W along said East line 52.01 ft. to the Northeast corner of said Dacus Windover 1st Addition;  
 thence S88°44'26" W along the North line of said Dacus Windover 1st Addition a distance of 629.97 ft. to a point;  
 thence N00°06'45" W a distance of 367.68 ft. to a point;  
 thence N88°45'50" E a distance of 849.96 ft. to a point on the West right of way line of Brown's Lane;  
 thence S00°07'05" E along said right of way line a distance of 419.34 ft. to the POINT OF BEGINNING, containing in all 7.43 acres, more or less and being subject to easements, restrictions, reservations and rights of way of record.

**OWNER'S CERTIFICATION:**

We hereby certify that we are the owners of the property shown and described hereon, that we adopt the plan of subdivision and dedicate perpetual use of all streets and easements as noted.  
 The sub-divider or developer must, before the sale of any lot or lots, either complete the improvements defined in Section 15.16.01 of the Jonesboro Subdivision Regulations and as specifically identified on this Record Plat and supporting plans and documentation OR furnish the Metropolitan Area Planning Commission evidence that an appropriately funded escrow agreement in the amount of the contract cost of improvements required by Section 15.16.01 that are not completed at the date of sale of the lot or lots from the closest improved street to and including all front footage of said lot or lots.  
 The record plat or plats will not be signed by the Chairman and Secretary of the Metropolitan Area Planning Commission until all conditions imposed by the Commission have been satisfied and all required site improvements have been either completed or their completion guaranteed and secured by an appropriate financial instrument.

**CERTIFICATE OF SURVEY:**

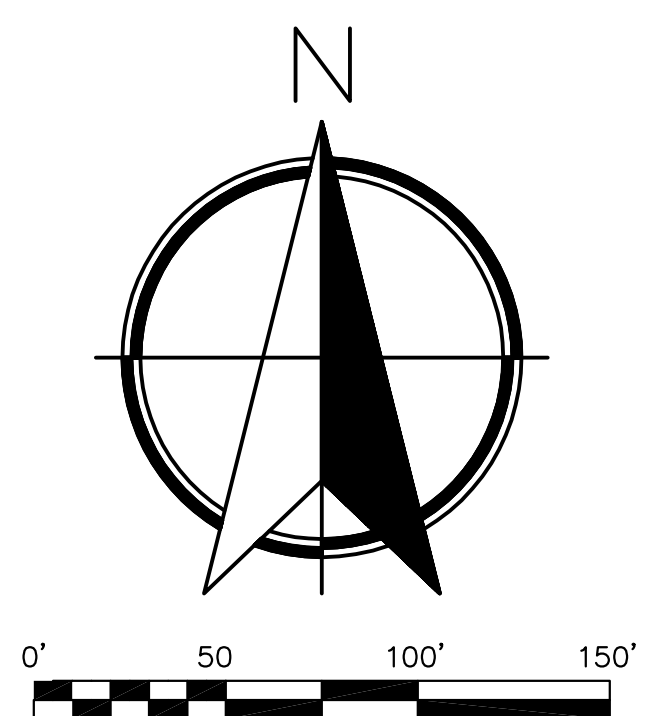
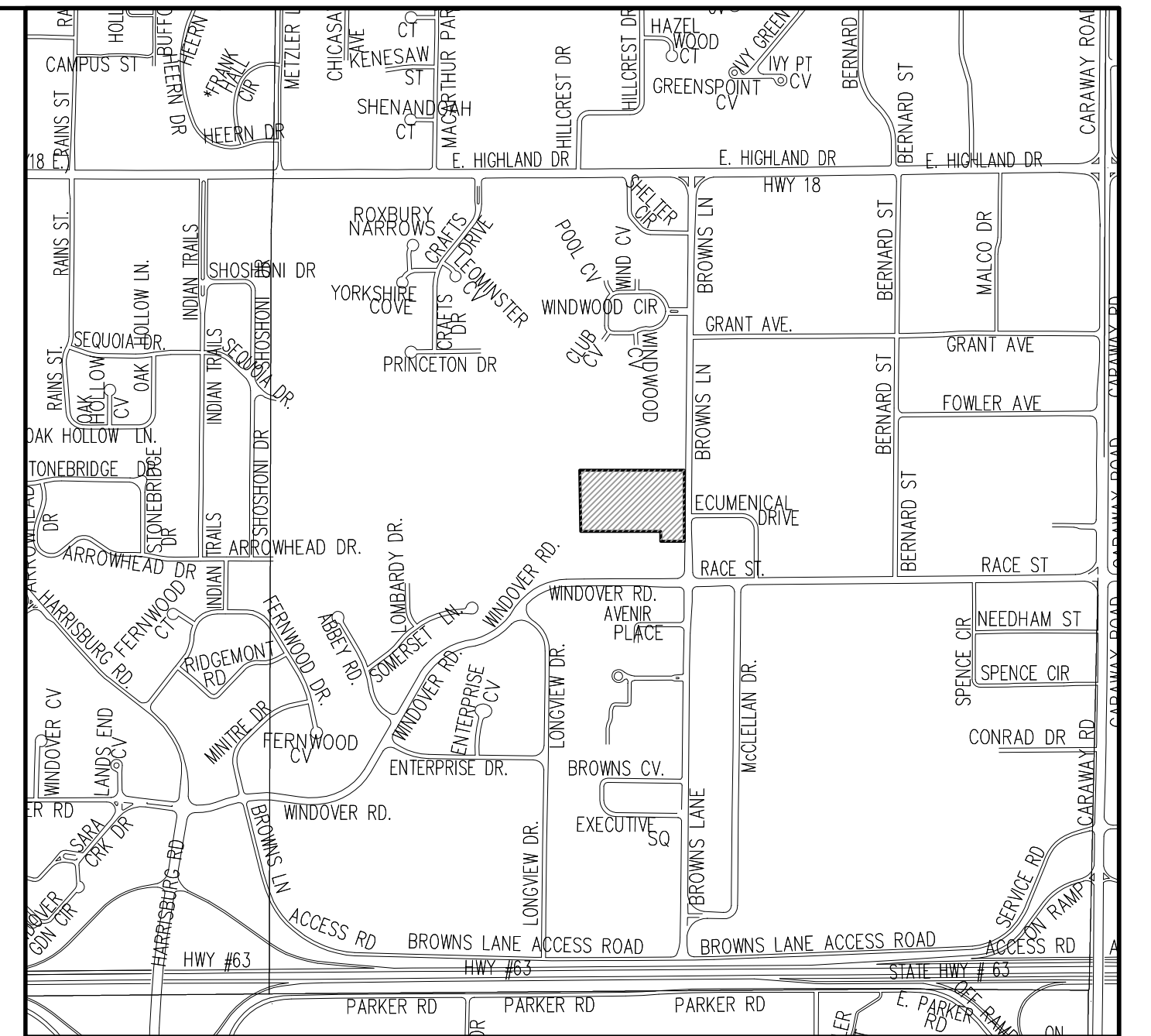
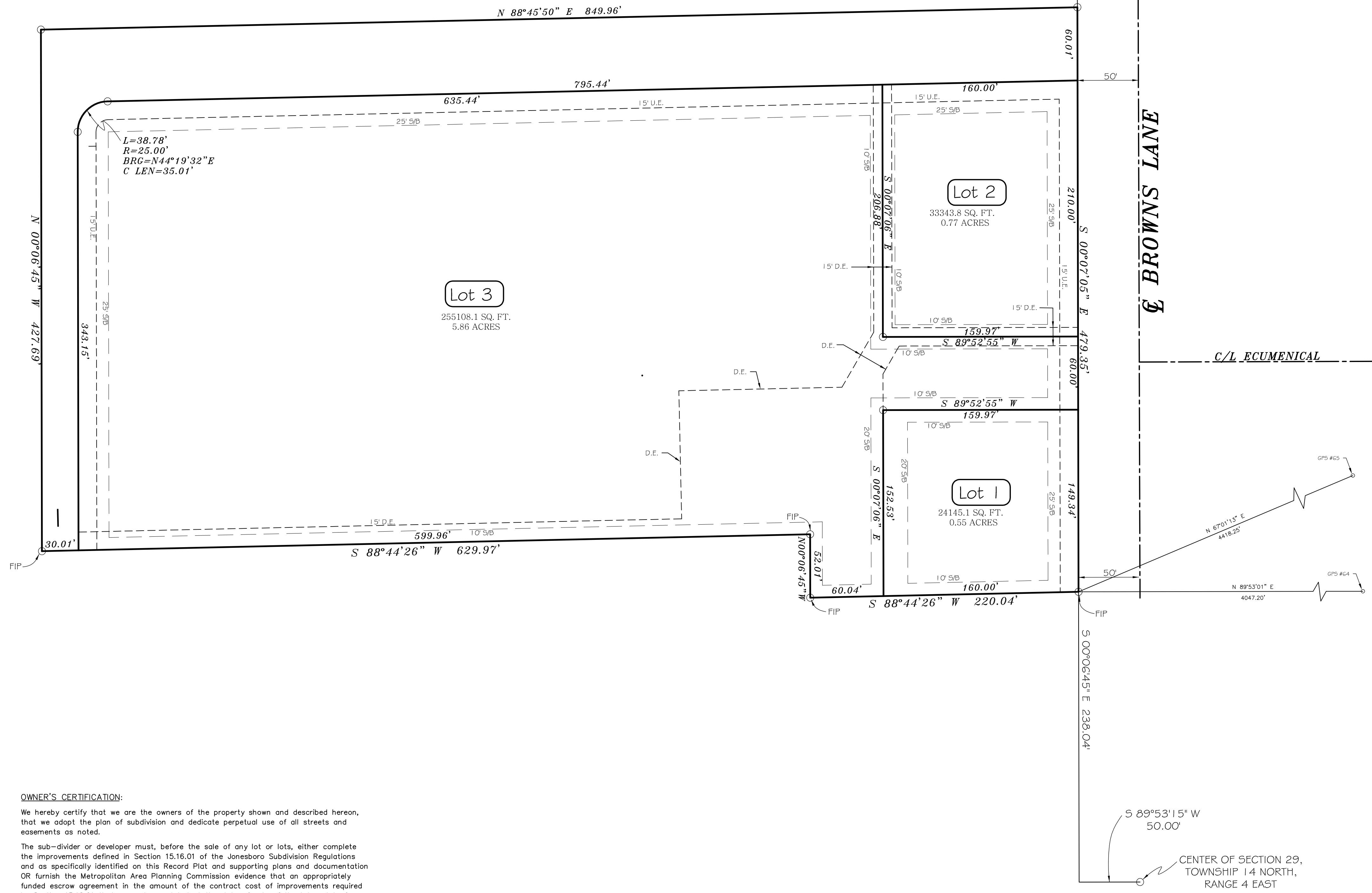
To all parties interested in Title to these premises: I hereby certify that I have prior to this day made a survey of the above described property as shown on the Plat of Survey hereon. The property lines and corner monuments, to the best of my knowledge and ability, are correctly established: the improvements are as shown on the Plat of Survey. Encroachments, if any, as disclosed by Survey, are shown hereon.



- NOTES:**
- 1) THIS SURVEY AND PLAT ARE THE PROPERTY OF THE SURVEYOR AND ARE INTENDED FOR THE SOLE USE AND BENEFIT OF THE SURVEYOR & CLIENT.
  - 2) THE BOUNDARY INFORMATION SHOWN HEREON WAS ESTABLISHED FROM A PREVIOUS SURVEY BY ASSOCIATED ENGINEERING AND TESTING, LLC, SURVEY DATED 2-05-07.
  - 3) THE RESEARCH COMPLETED FOR THIS SURVEY INCLUDES LEGAL DESCRIPTION, AND PREVIOUS SURVEY PROVIDED.
  - 4) ALL PINS SET ARE 'X' REBAR, UNLESS NOTED OTHERWISE.
  - 5) FLOOD PLAIN: THIS TRACT DOES/DOES NOT LIE WITHIN THE 100-YR FLOOD PLAIN PER FLOOD INSURANCE RATE MAP OF CRAIGHEAD CO., ARK., AND INCORPORATED AREAS, COMMUNITY PANEL NO. 050302032 C, DATED 09/27/91. THIS TRACT DOES LIE WITHIN A ZONE 'X' FLOOD PLAIN, PER THE MAP REFERENCED ABOVE.
  - 6) THIS PROPERTY IS ZONED: C-3 LUO

**RITTER COMMUNICATIONS  
 MINOR PLAT  
 JONESBORO, ARKANSAS**

ENGINEERS		PLANNERS		SURVEYORS	
<b>Civilogic</b>					
203 Southwest Dr. - Jonesboro, AR - (870) 932-7880 - www.civilogic.net					
MINOR PLAT OF PART OF SECTION 29 TOWNSHIP 14 NORTH, RANGE 4 EAST FOR RITTER COMMUNICATIONS					
Date 01-21-10	Scale 1"=50'	Job No. 109026	Sheet No.		
Section 29	Township 14N	Range 4E	County CRAIGHEAD	<b>1 of 12</b>	
ONLY COPIES WITH VIOLET COLORED SIGNATURE ARE VALID CIVILOGIC COPIES					
© 2010, Civilogic Drawn By: RE Checked By: GH					



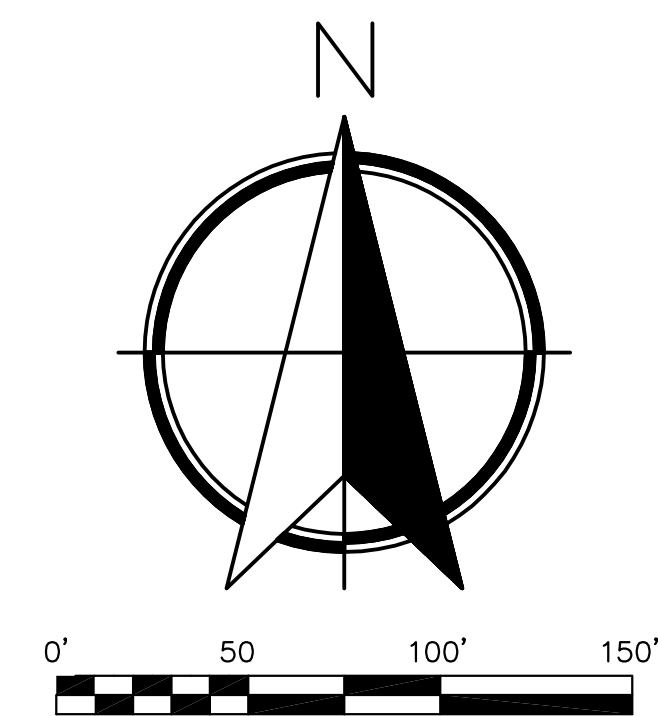
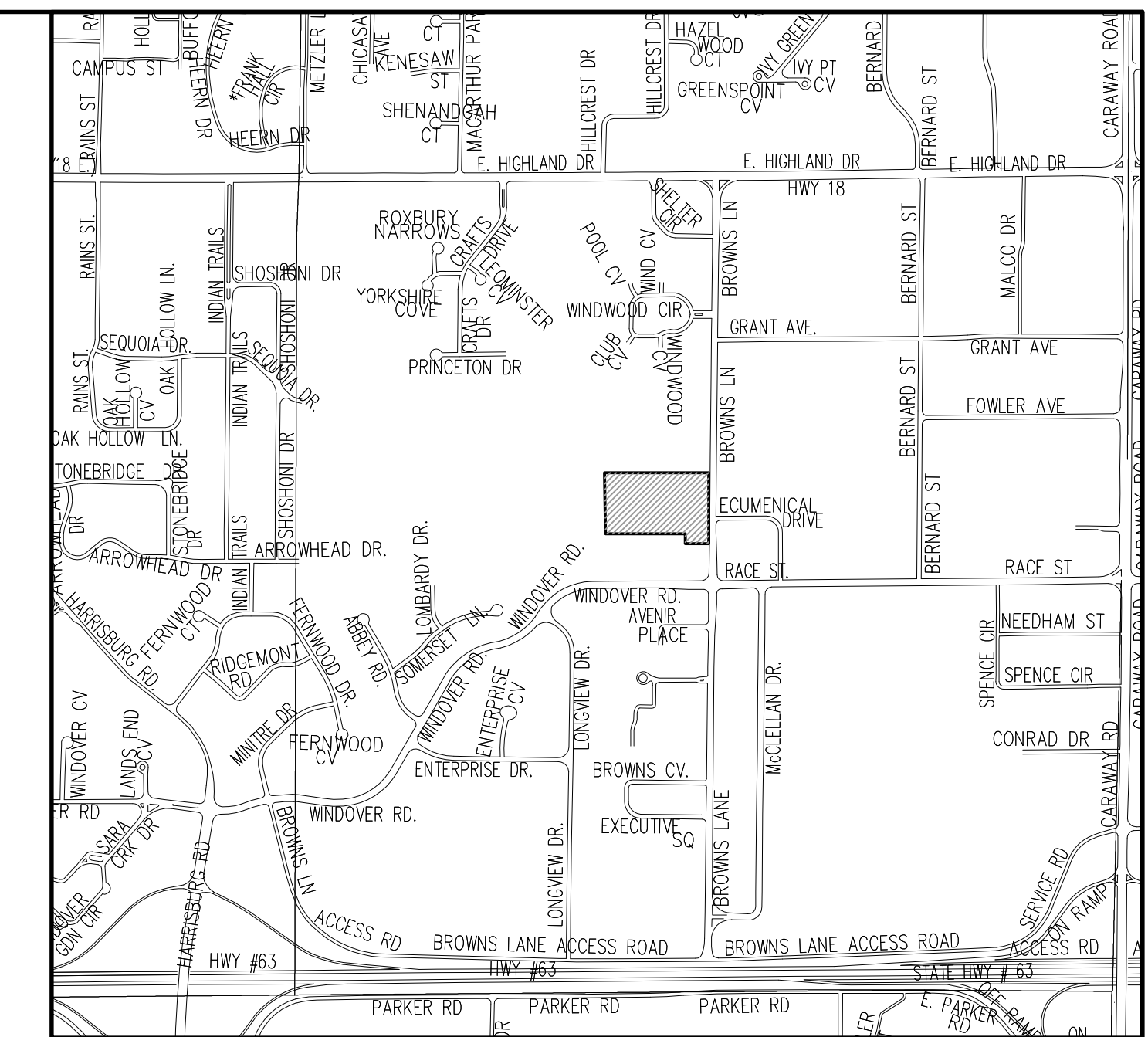
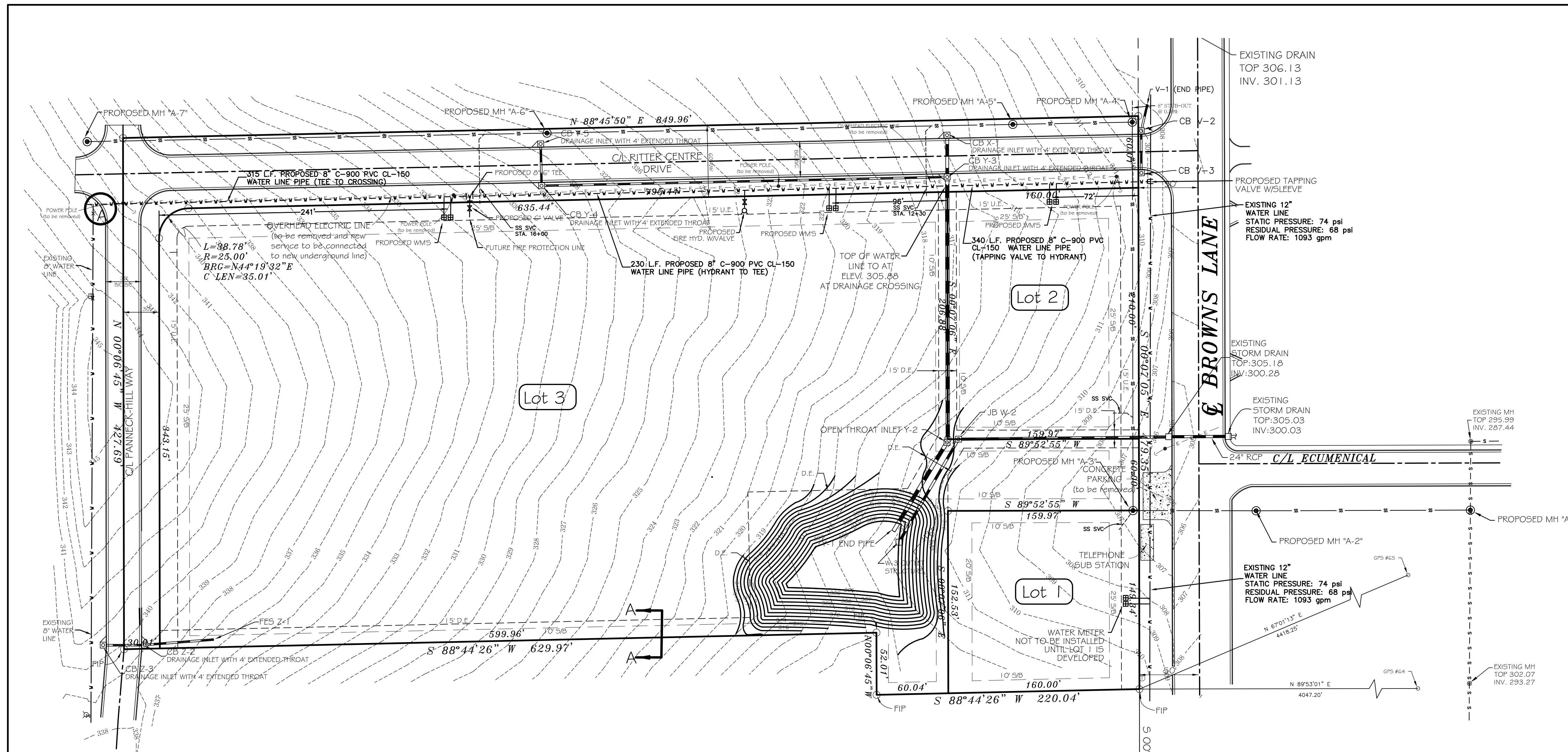
**RITTER COMMUNICATIONS**  
**MINOR PLAT**  
 JONESBORO, ARKANSAS

**OWNER'S CERTIFICATION:**  
 We hereby certify that we are the owners of the property shown and described hereon, that we adopt the plan of subdivision and dedicate perpetual use of all streets and easements as noted.  
 The sub-divider or developer must, before the sale of any lot or lots, either complete the improvements defined in Section 15.16.01 of the Jonesboro Subdivision Regulations and as specifically identified on this Record Plat and supporting plans and documentation OR furnish the Metropolitan Area Planning Commission evidence that an appropriately funded escrow agreement in the amount of the contract cost of improvements required by Section 15.16.01 that are not completed at the date of sale of the lot or lots from the closest improved street to and including all front footage of said lot or lots.  
 The record plat or plats will not be signed by the Chairman and Secretary of the Metropolitan Area Planning Commission until all conditions imposed by the Commission have been satisfied and all required site improvements have been either completed or their completion guaranteed and secured by an appropriate financial instrument.

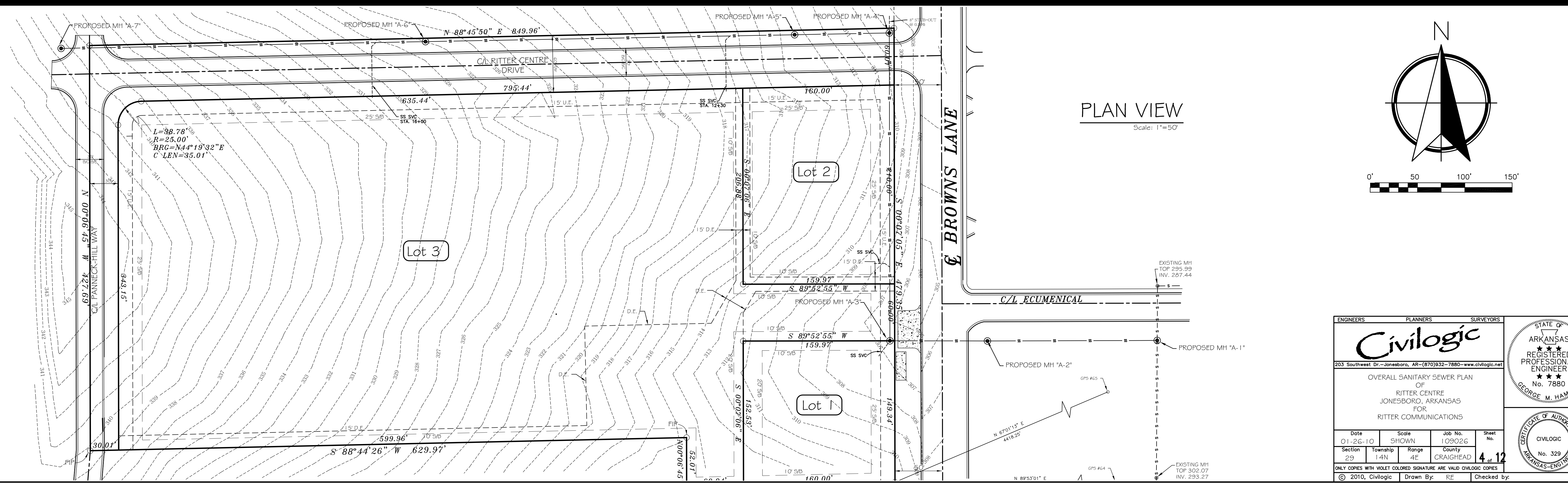
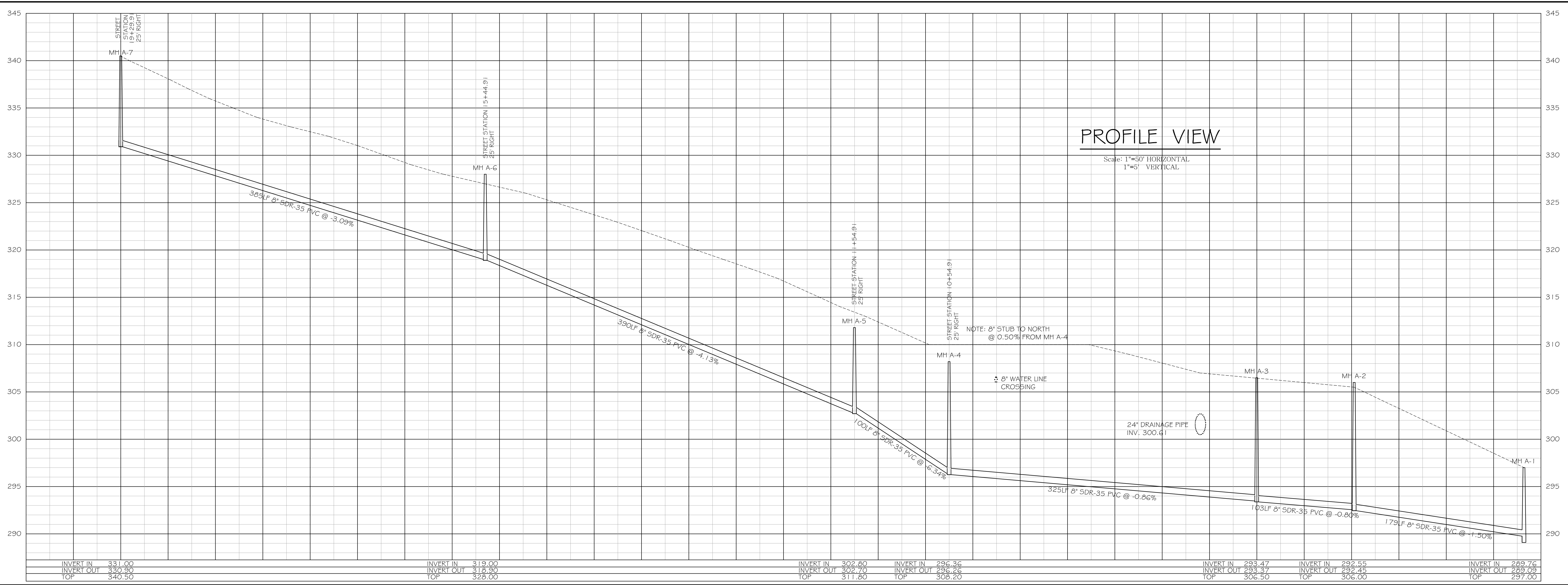
**CERTIFICATE OF SURVEY:**  
 To all parties interested in Title to these premises: I hereby certify that I have prior to this day made a survey of the above described property as shown on the Plat of Survey hereon. The property lines and corner monuments, to the best of my knowledge and ability, are correctly established: the improvements are as shown on the Plat of Survey. Encroachments, if any, as disclosed by Survey, are shown hereon.

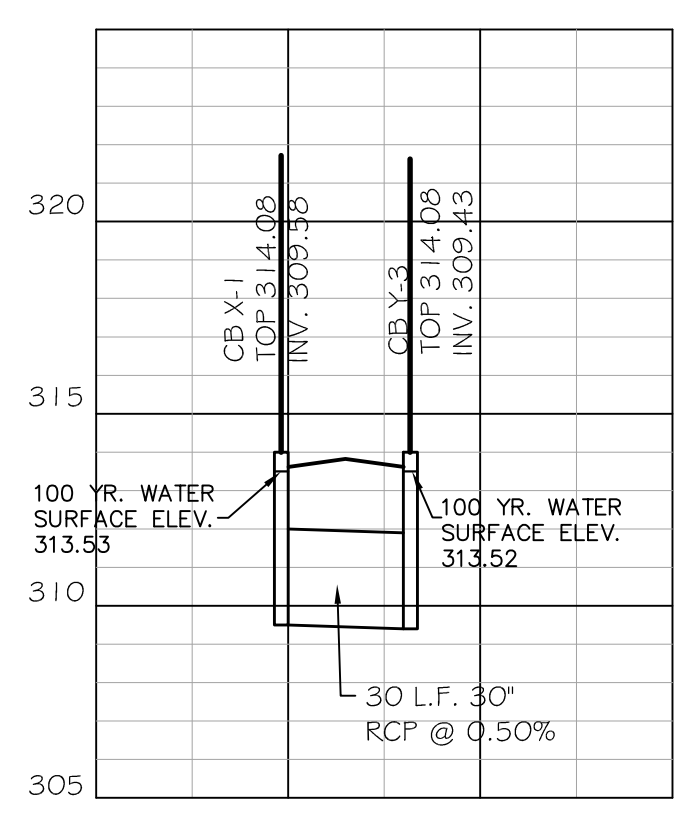
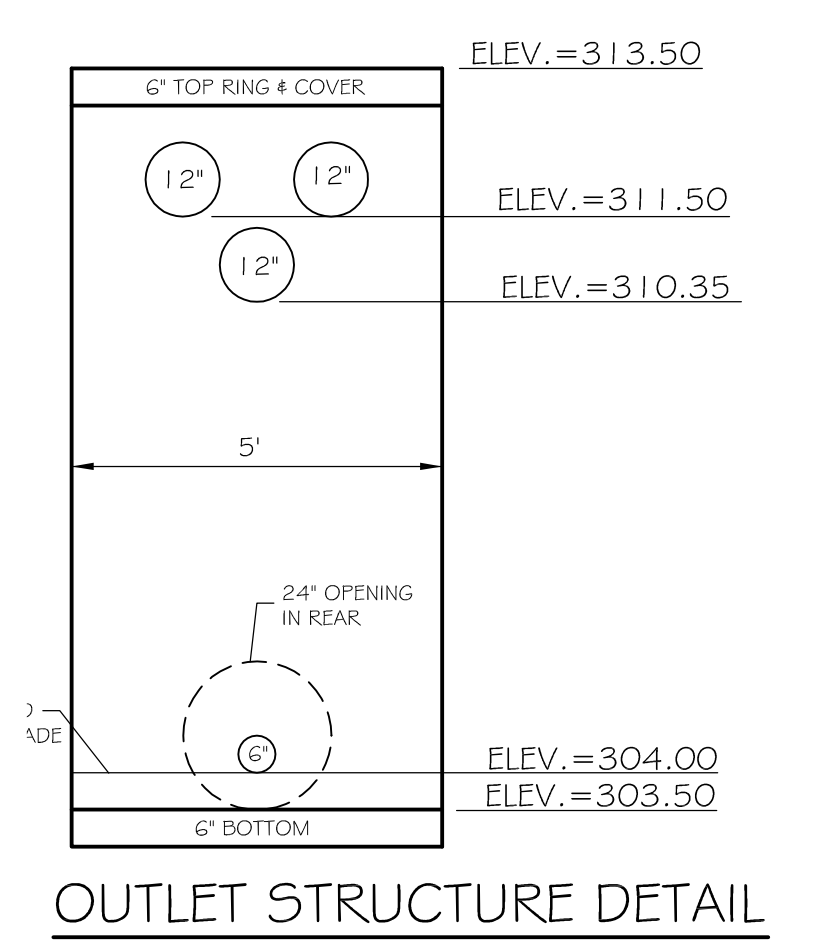
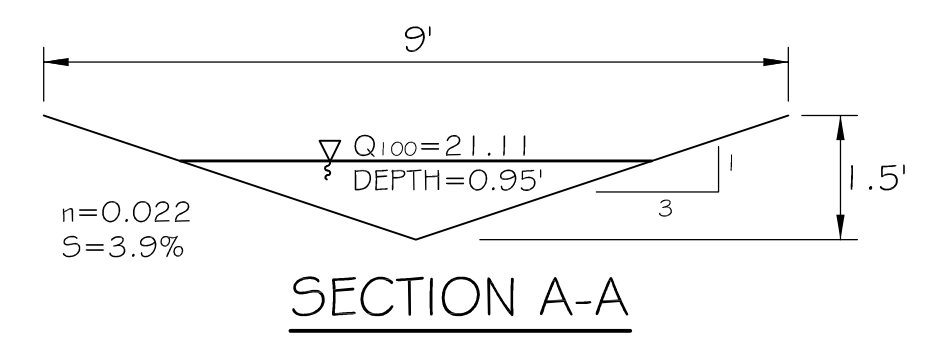
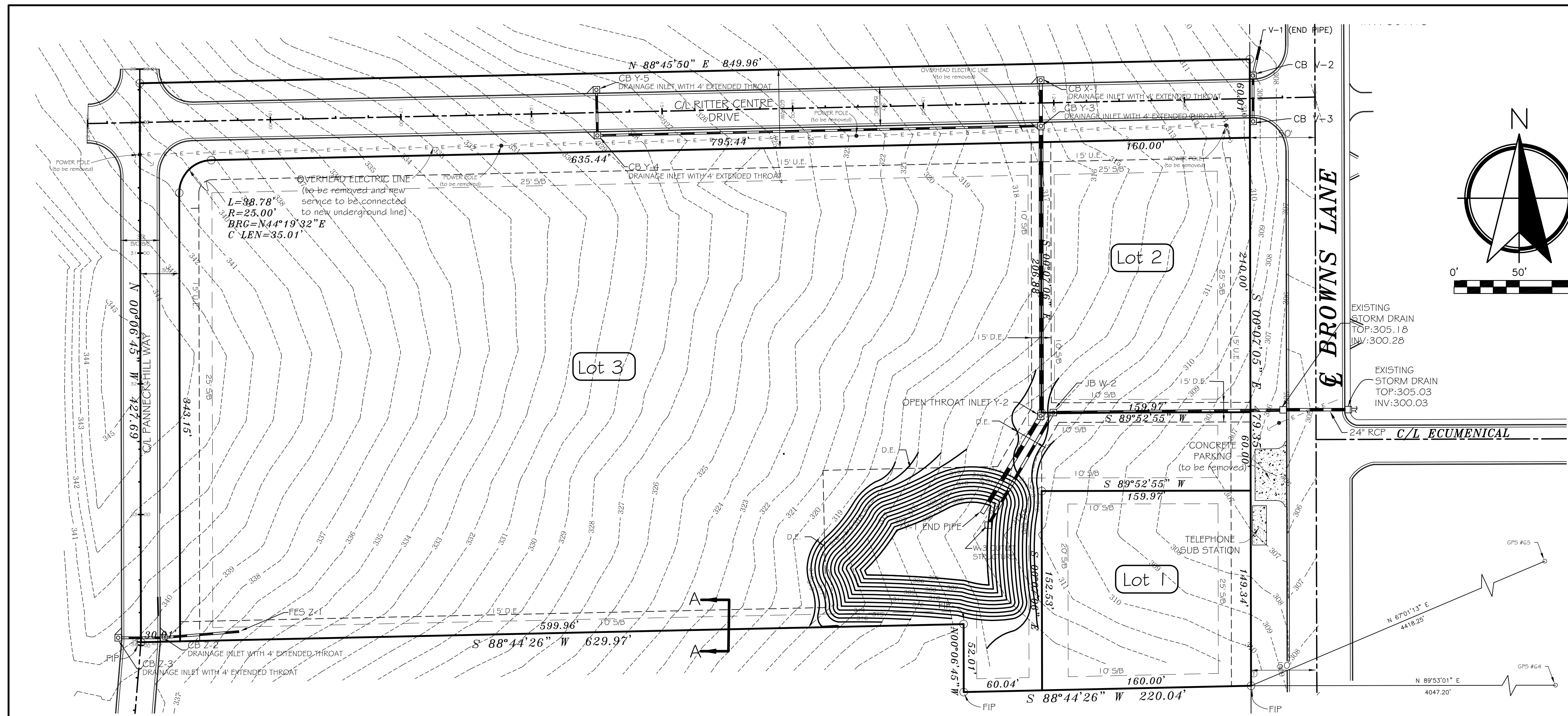
- NOTES:**
- 1) THIS SURVEY AND PLAT ARE THE PROPERTY OF THE SURVEYOR AND ARE INTENDED FOR THE SOLE USE AND BENEFIT OF THE SURVEYOR & CLIENT.
  - 2) THE BOUNDARY INFORMATION SHOWN HEREON WAS ESTABLISHED FROM A PREVIOUS SURVEY BY ASSOCIATED ENGINEERING AND TESTING, LLC, SURVEY DATED 2-05-07.
  - 3) THE RESEARCH COMPLETED FOR THIS SURVEY INCLUDES LEGAL DESCRIPTION AND PREVIOUS SURVEY PROVIDED.
  - 4) ALL PINS SET ARE 'X' REBAR, UNLESS NOTED OTHERWISE.
  - 5) FLOOD PLAN: THIS TRACT DOES/DOES NOT LIE WITHIN THE 100-YR FLOOD PLAIN PER FLOOD INSURANCE RATE MAP OF CRAIGHEAD CO., ARK. AND INCORPORATED AREAS, COMMUNITY PANEL NO. 050302032 C, DATED 09/27/01. THIS TRACT DOES LIE WITHIN A ZONE 'X' FLOOD PLAIN, PER THE MAP REFERENCED ABOVE.
  - 6) THIS PROPERTY IS ZONED: C-3 LUO

ENGINEERS	PLANNERS	SURVEYORS
<b>Civilogic</b>		
203 Southwest Dr. - Jonesboro, AR - (870) 932-7880 - www.civilogic.net		
MINOR PLAT OF PART OF SECTION 29 TOWNSHIP 14 NORTH, RANGE 4 EAST FOR RITTER COMMUNICATIONS		
Date 01-26-10	Scale 1"=50'	Job No. 109026
Section 29	Township 14N	Range 4E
		County CRAIGHEAD
		Sheet No. 2 of 12
ONLY COPIES WITH VIOLET COLORED SIGNATURE ARE VALID CIVILOGIC COPIES		
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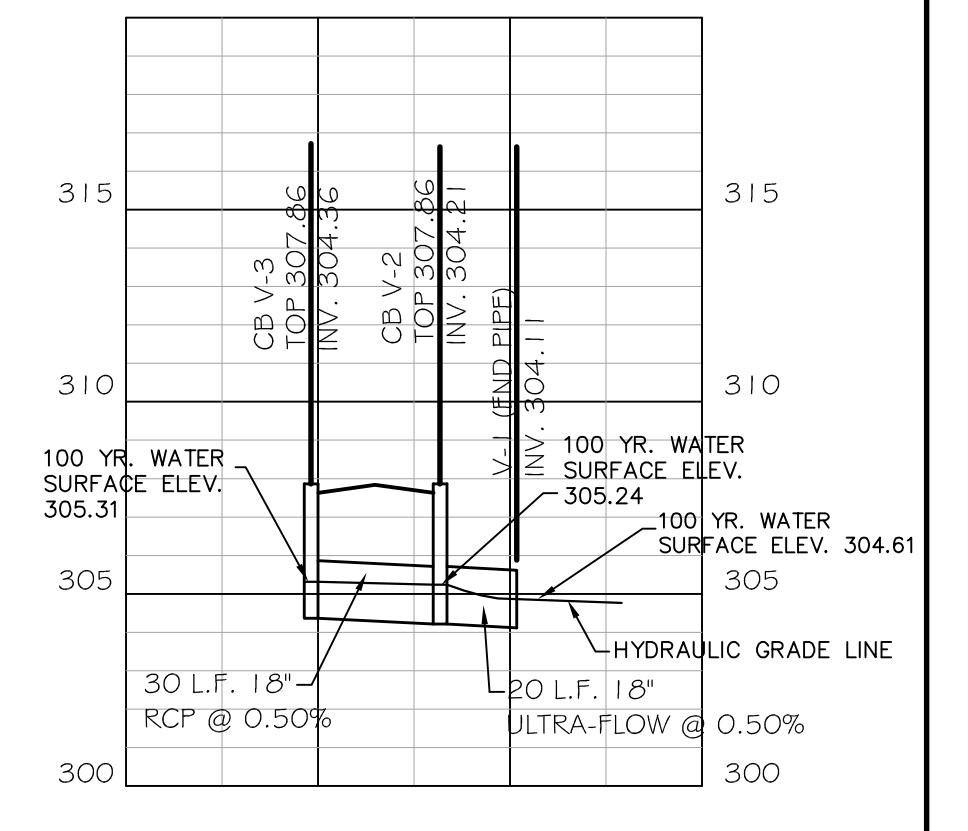


ENGINEERS		PLANNERS		SURVEYORS	
203 Southwest Dr. - Jonesboro, AR - (870) 932-7880 - www.civilogic.net					
OVERALL UTILITY AND DRAINAGE PLAN OF RITTER CENTRE JONESBORO, ARKANSAS FOR RITTER COMMUNICATIONS					
Date	Scale	Job No.	Sheet		
01-26-10	SHOWN	109026	No.		
Section	Township	Range	County	3 of 12	
29	14N	4E	CRAIGHHEAD		
<small>ONLY COPIES WITH VIOLET COLORED SIGNATURE ARE VALID CIVILOGIC COPIES</small>					
© 2010, Civilogic		Drawn By:	RF	Checked by:	

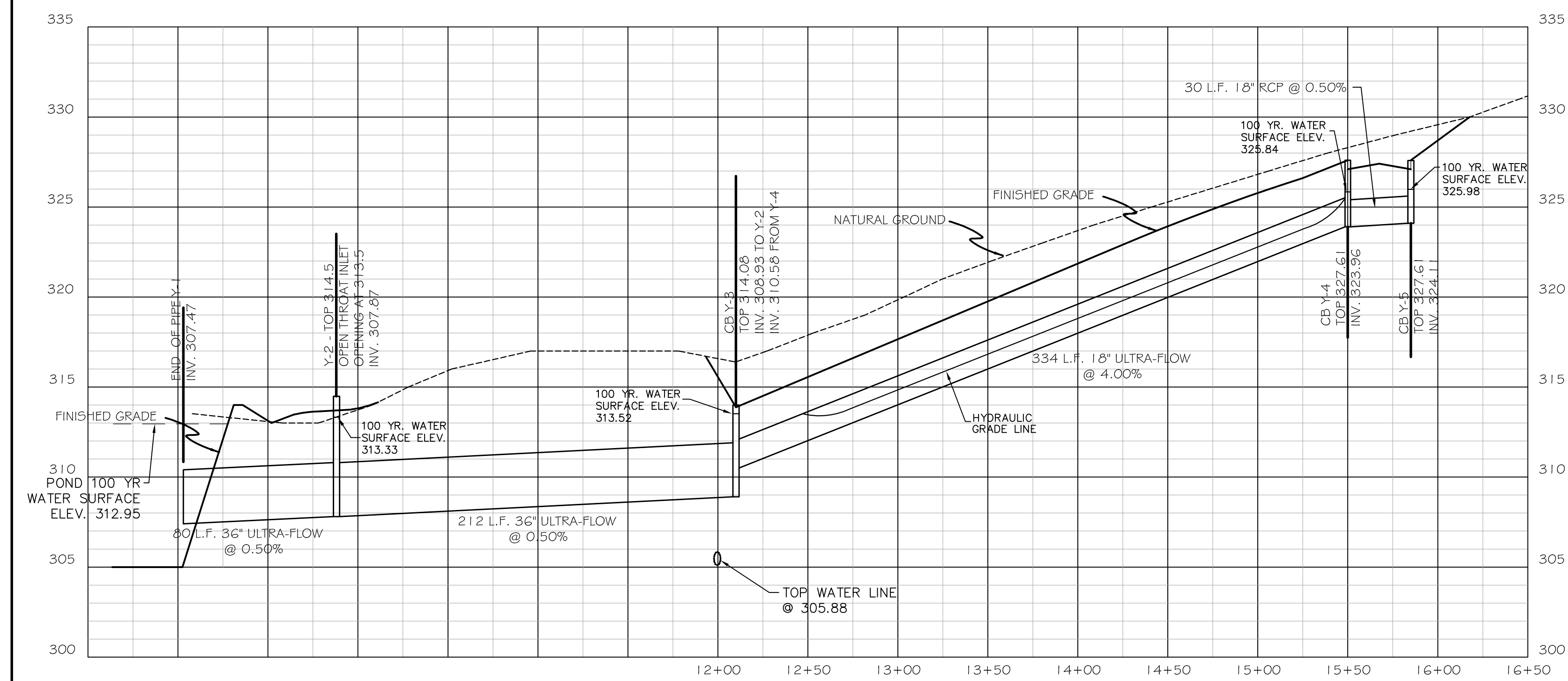




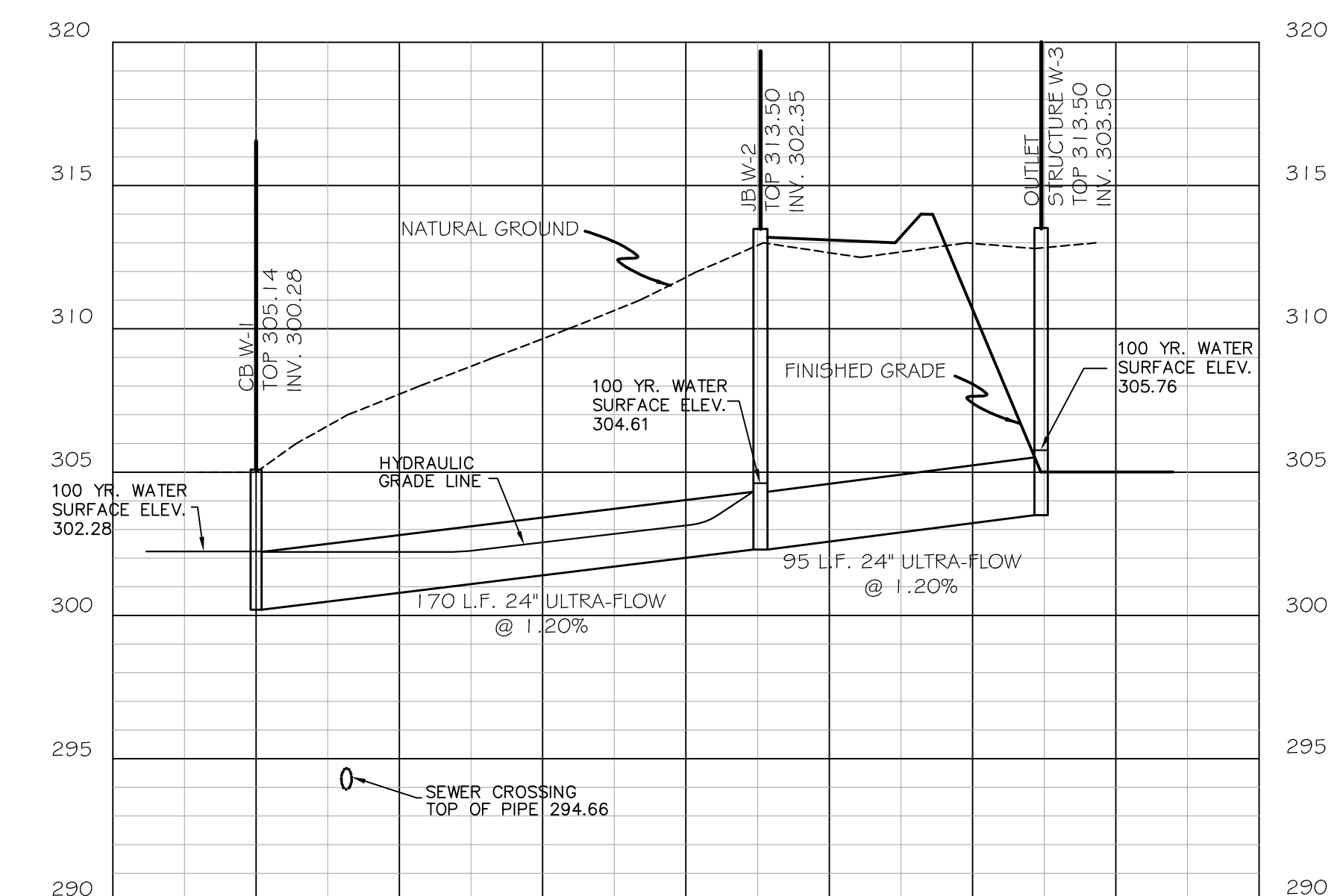
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1"=5' VERTICAL



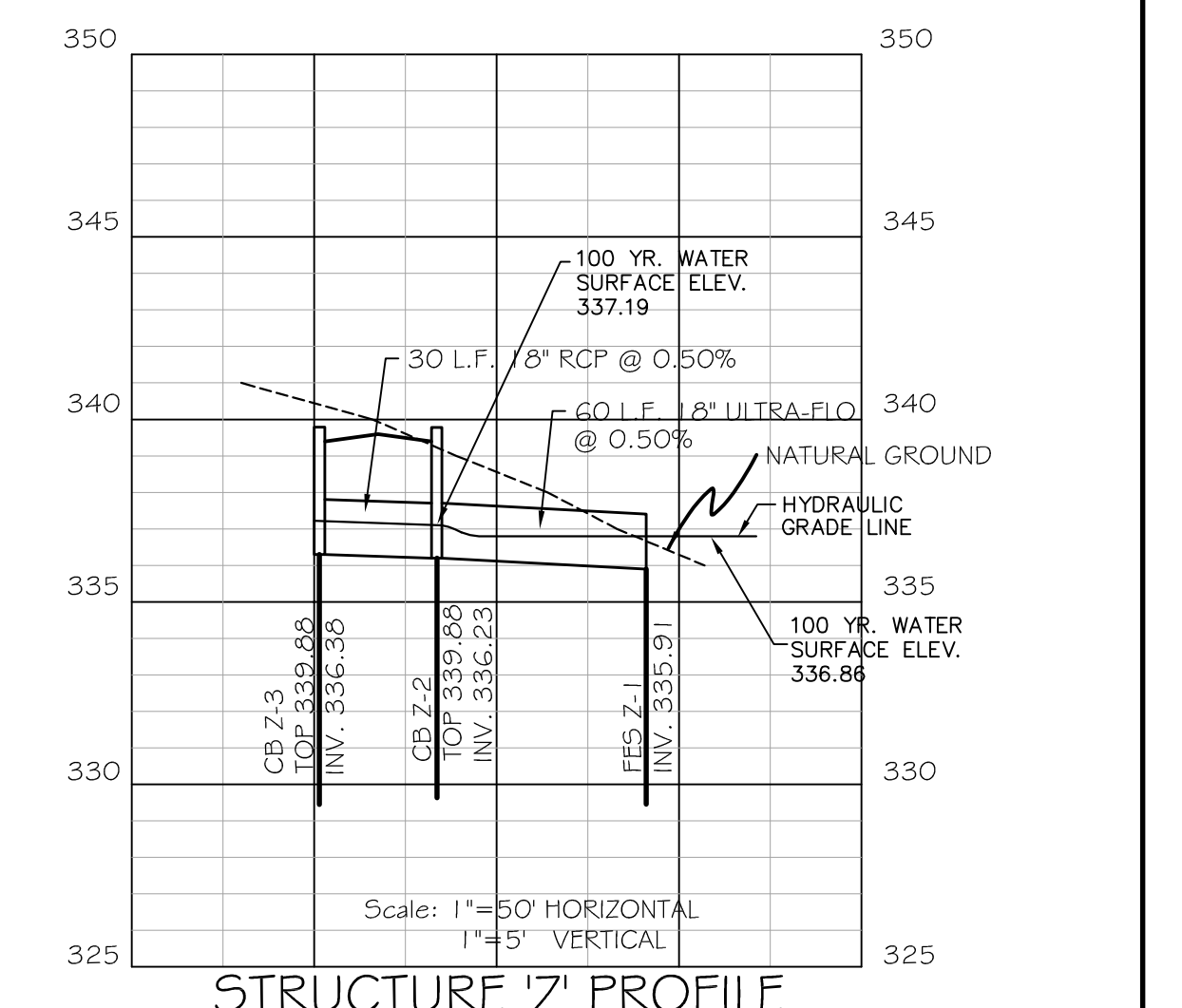
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1"=5' VERTICAL



STRUCTURE 'Y' PROFILE  
Scale: 1"=50' HORIZONTAL  
1"=5' VERTICAL



STRUCTURE 'W' PROFILE  
Scale: 1"=50' HORIZONTAL  
1"=5' VERTICAL



STRUCTURE 'Z' PROFILE  
Scale: 1"=50' HORIZONTAL  
1"=5' VERTICAL

ENGINEERS PLANNERS SURVEYORS

**Civilogic**

203 Southwest Dr. - Jonesboro, AR - (870) 932-7880 - www.civilogic.net

PROPOSED DRAINAGE PLAN  
OF  
RITTER CENTRE  
JONESBORO, ARKANSAS  
FOR  
RITTER COMMUNICATIONS

STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 7880  
GEORGE M. HAMMAN

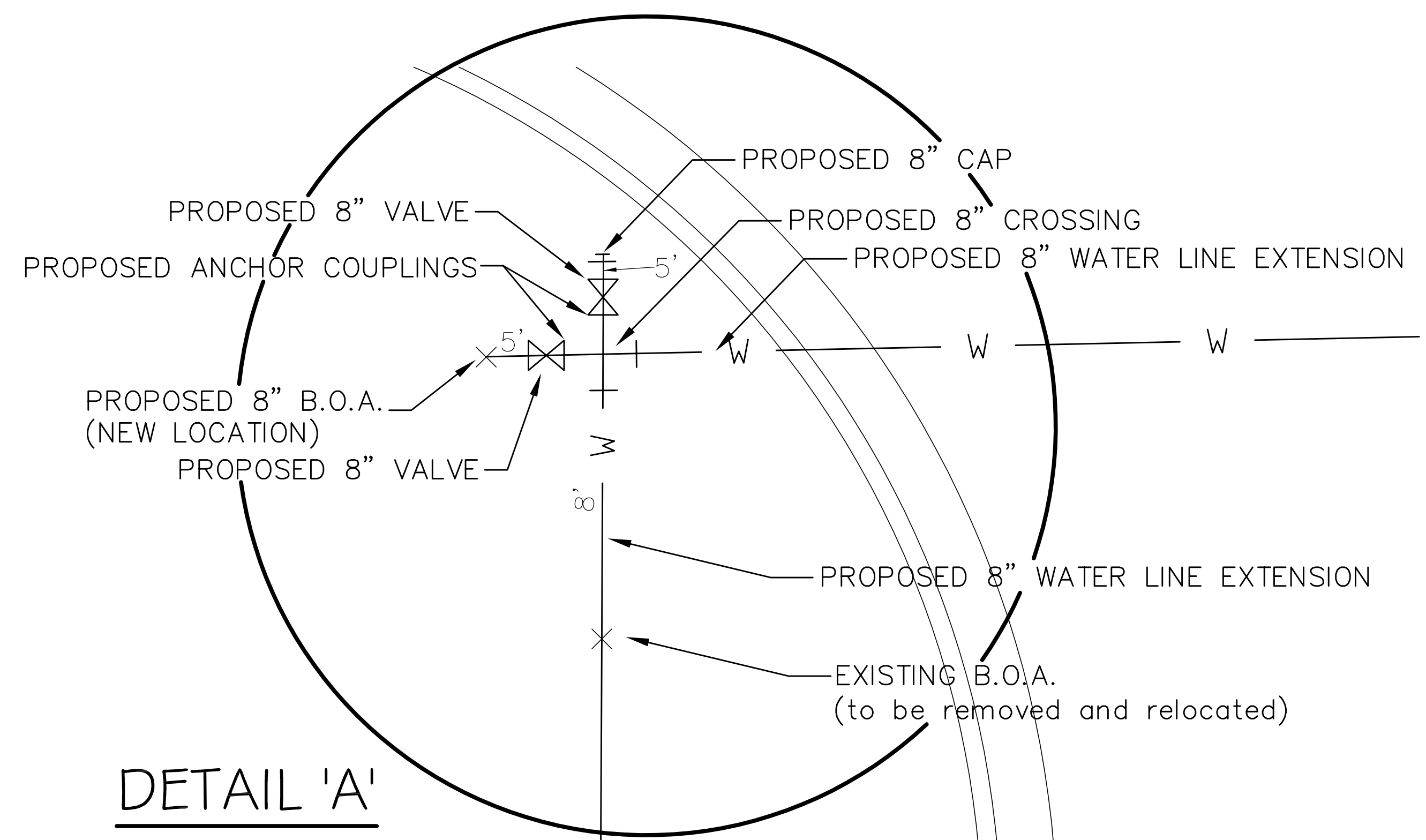
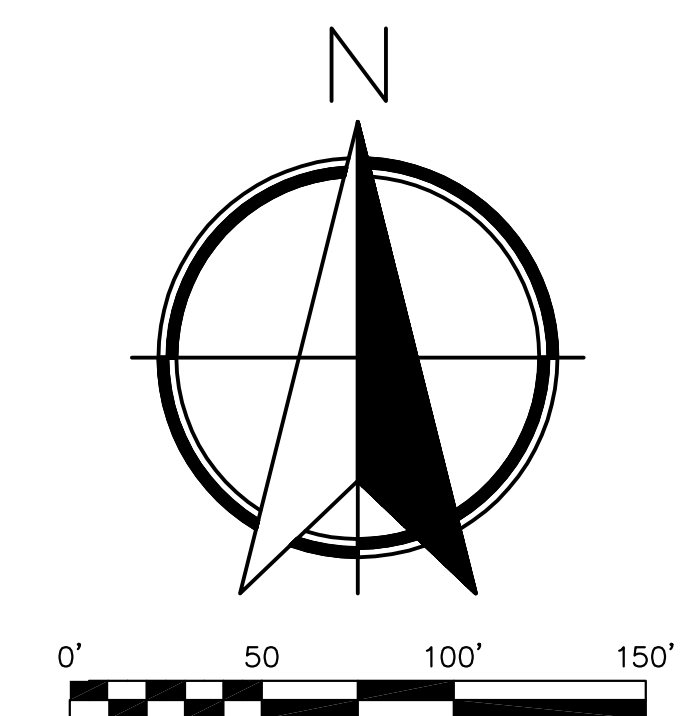
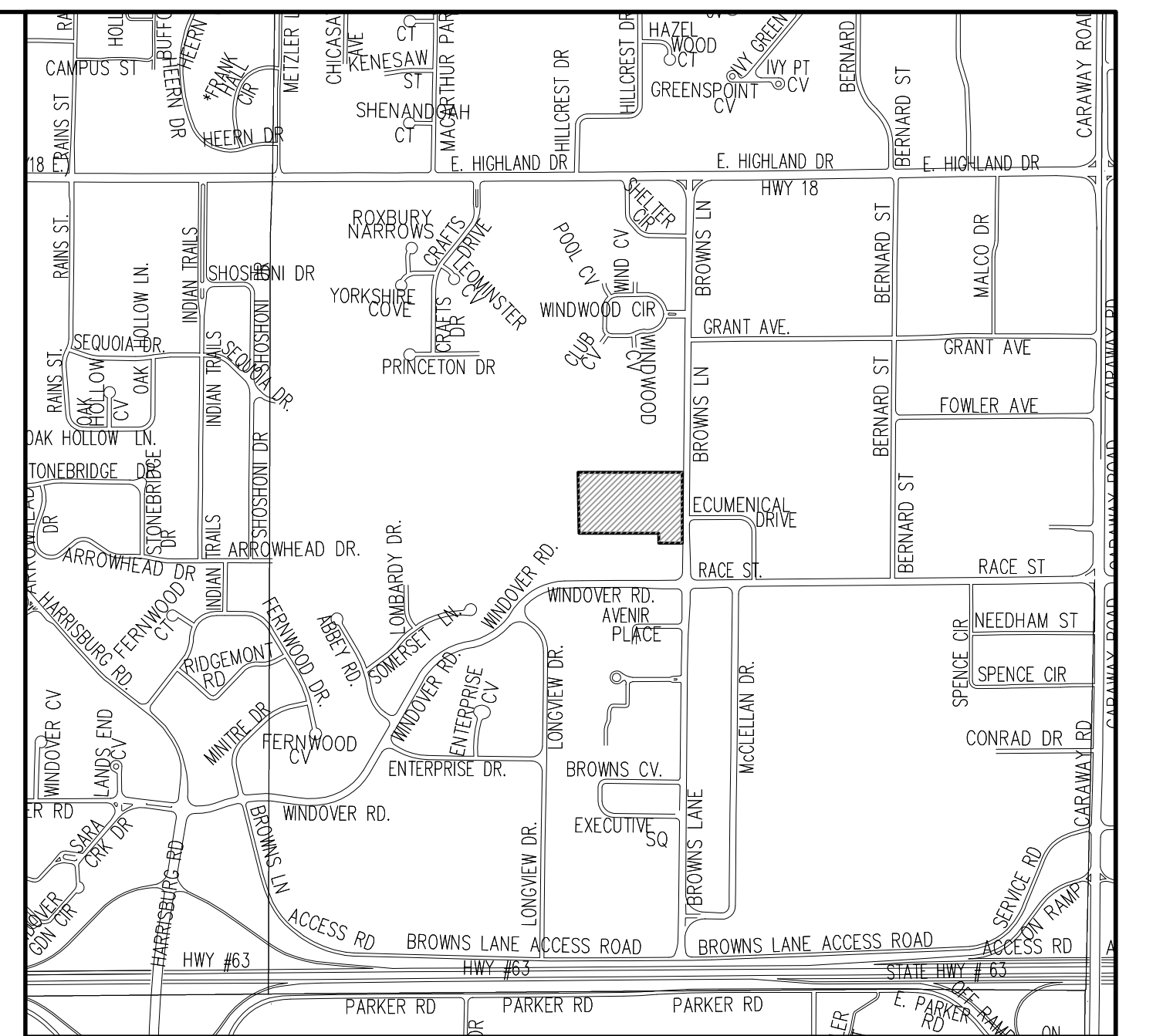
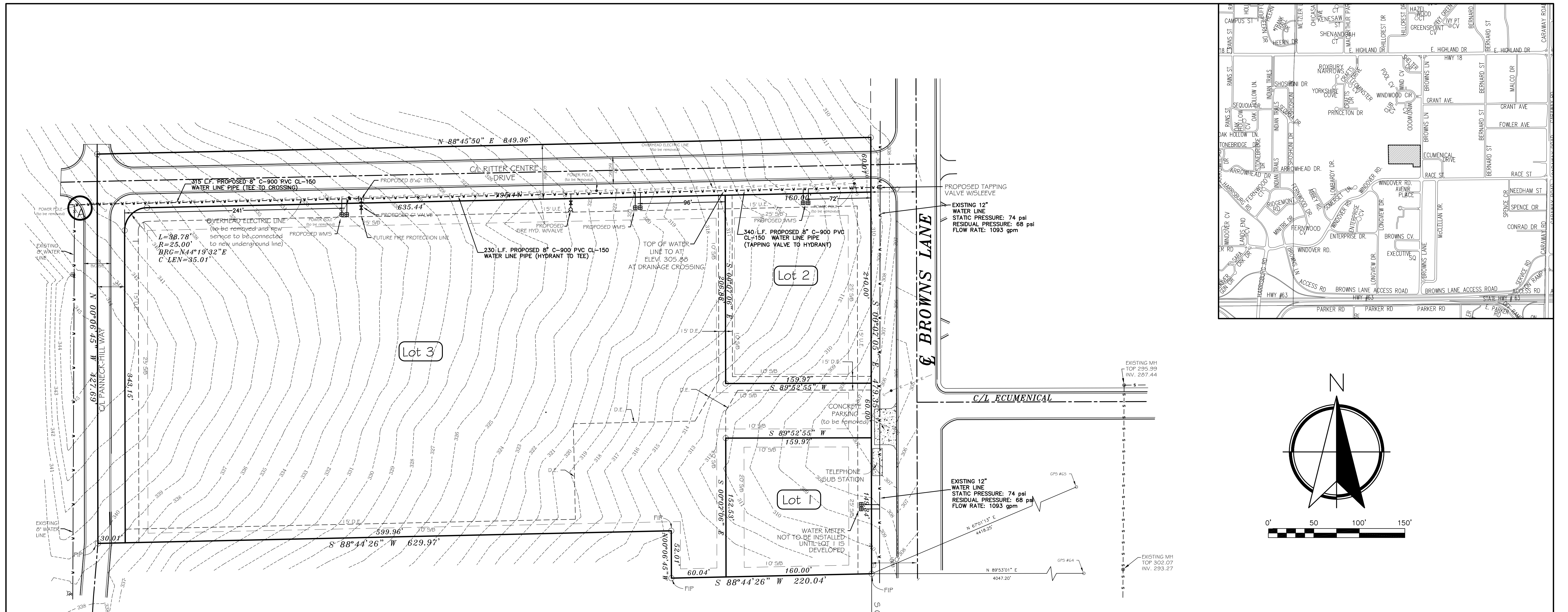
DATE OF AUTHORIZATION  
CIVILOGIC  
No. 329  
ARKANSAS-ENGINEER

Date	Scale	Job No.	Sheet
01-26-10	SHOWN	109026	No.
Section	Township	Range	County
29	14N	4E	CRAIGHEAD

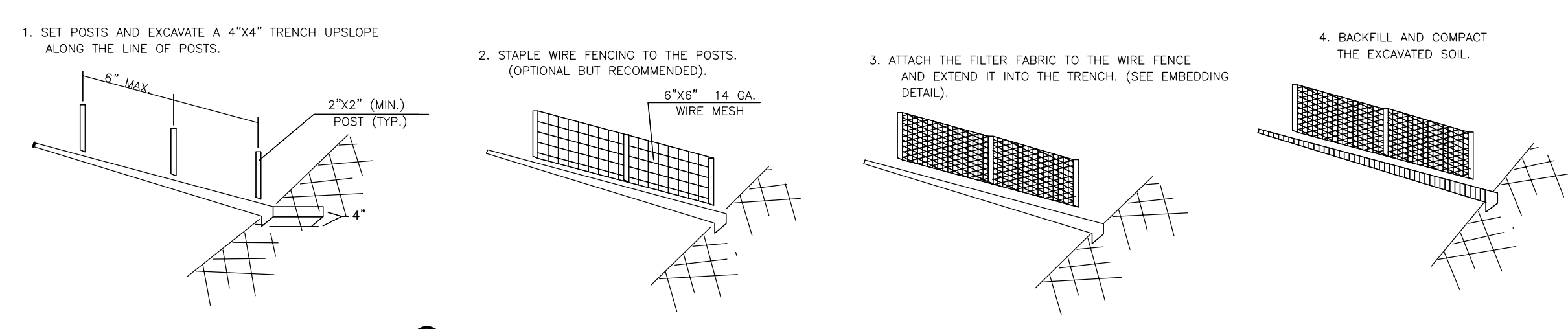
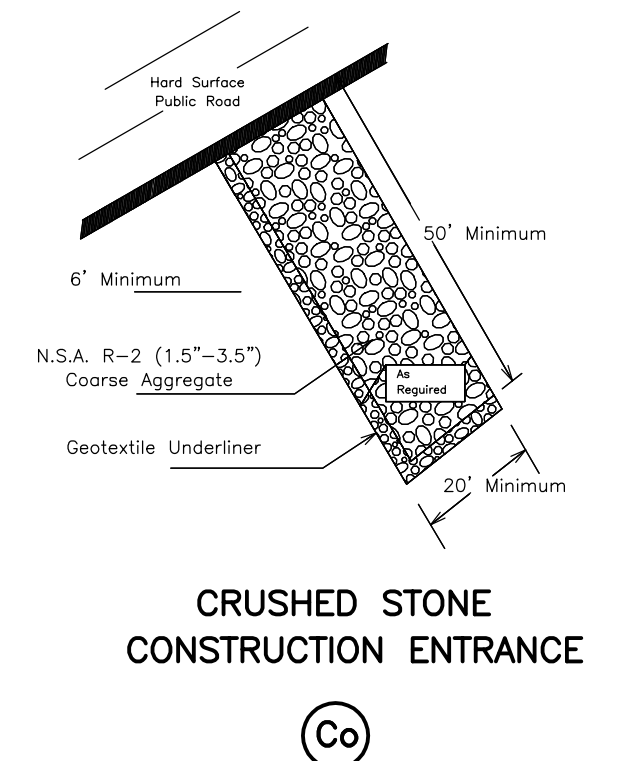
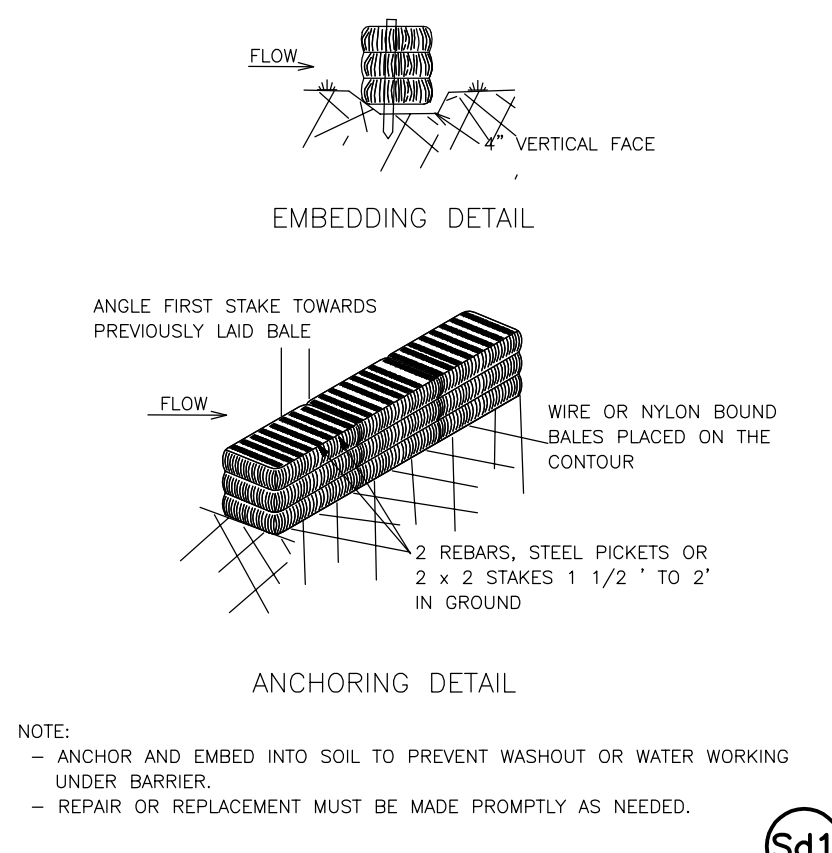
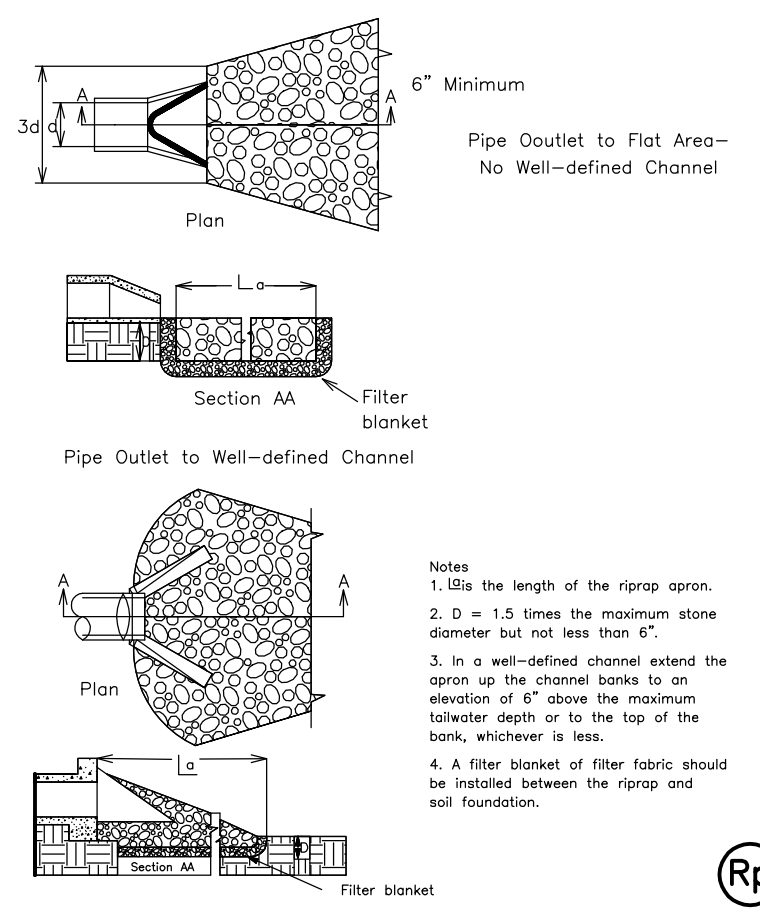
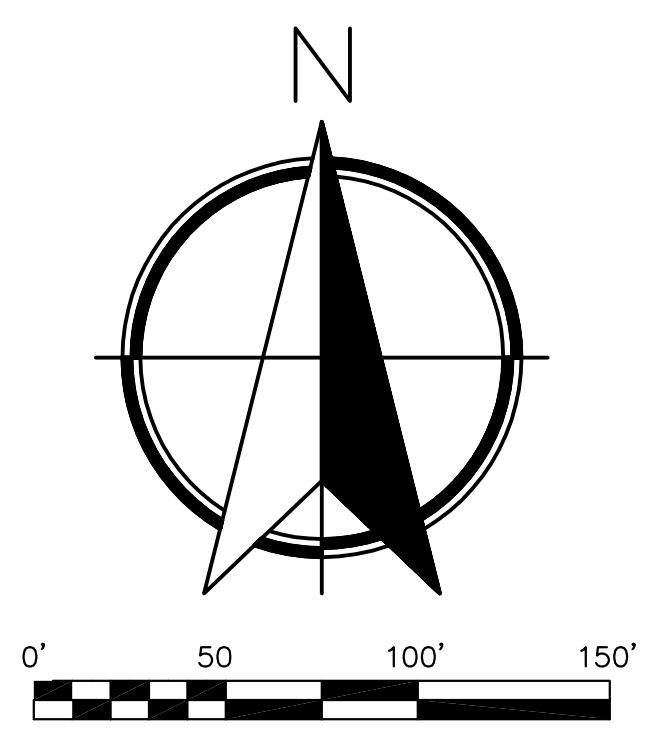
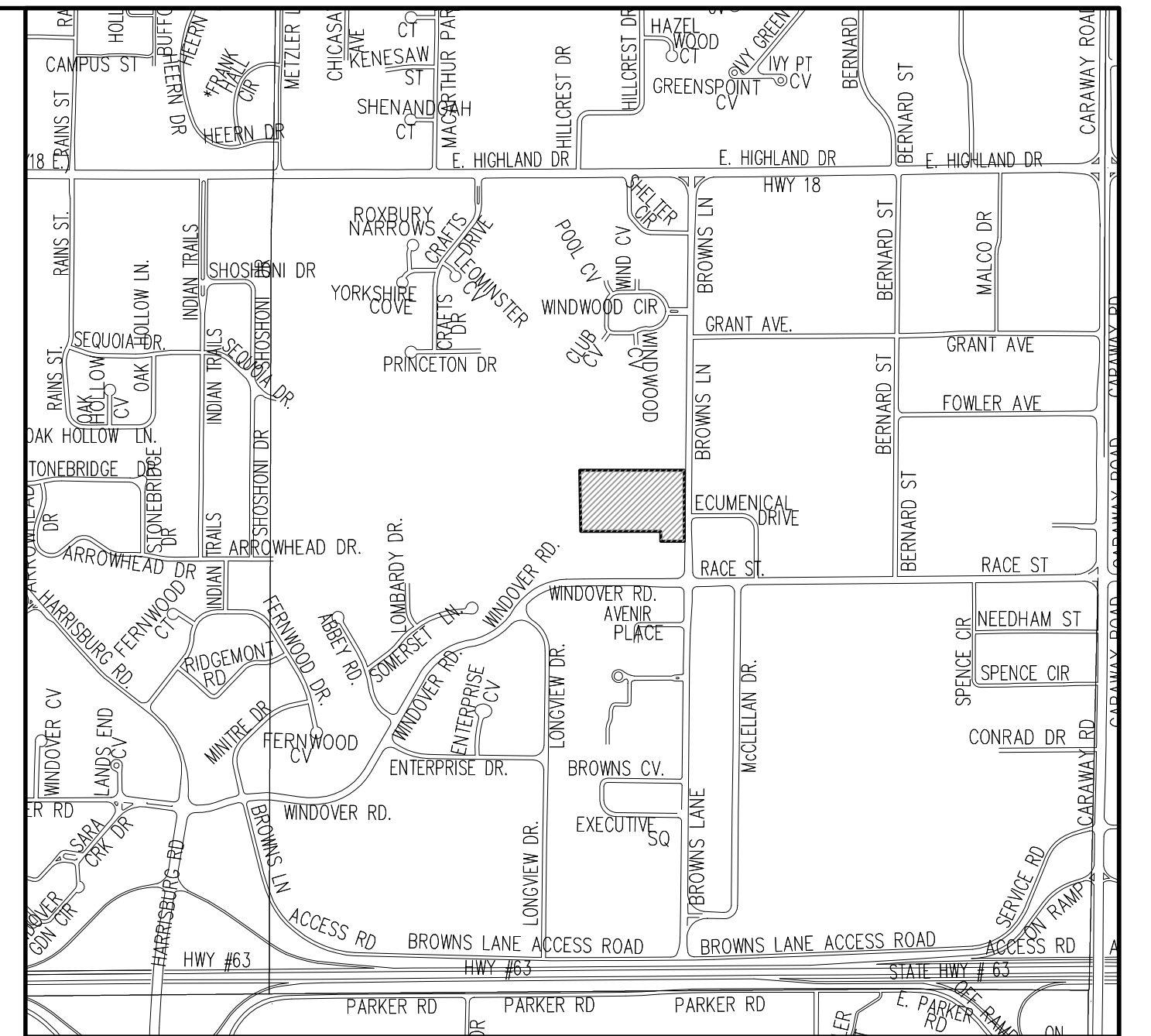
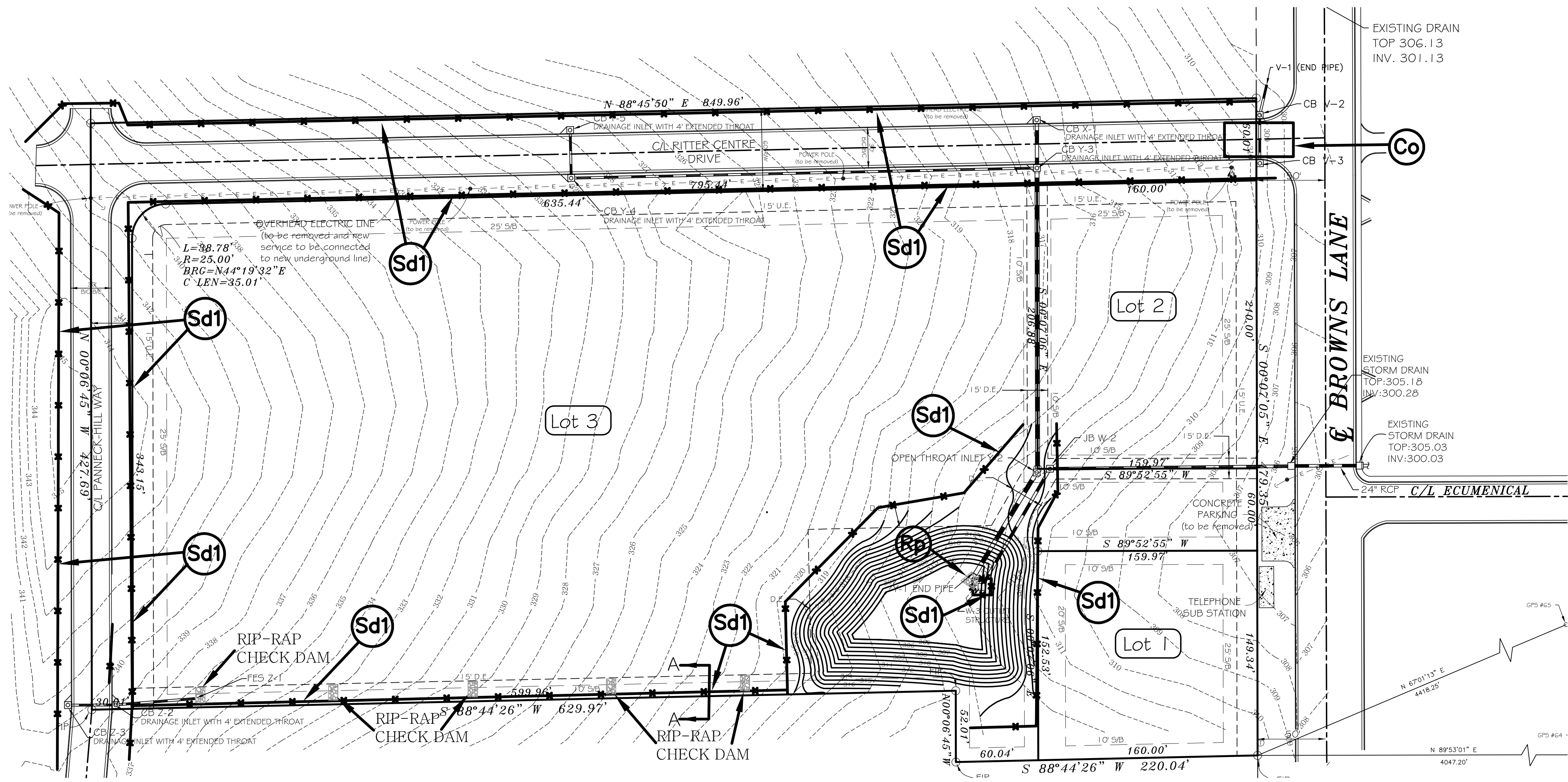
5 of 12

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ENGINEERS		PLANNERS		SURVEYORS	
<b>Civilogic</b>					
203 Southwest Dr. - Jonesboro, AR - (870) 932-7880 - www.civilogic.net					
PROPOSED WATER DISTRIBUTION PLAN OF RITTER CENTRE JONESBORO, ARKANSAS FOR RITTER COMMUNICATIONS					
Date	Scale	Job No.	Sheet		
01-26-10	SHOWN	109026	No.		
Section	Township	Range	County	6 of 12	
29	14N	4E	CRAIGHEAD		
ONLY COPIES WITH VIOLET COLORED SIGNATURE ARE VALID CIVILOGIC COPIES					
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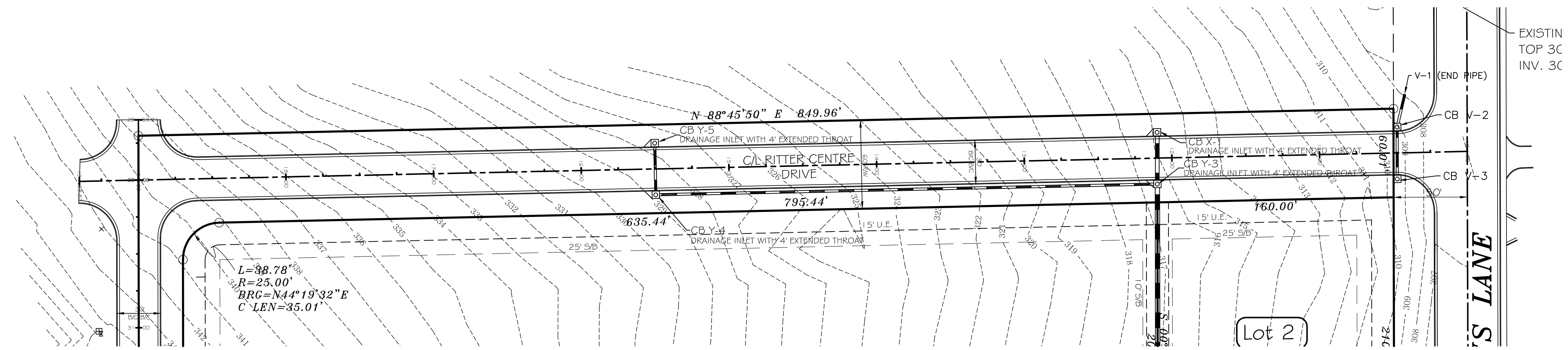


(Sd1) CONSTRUCTION OF A SILT FENCE N.T.S.

ENGINEERS		PLANNERS		SURVEYORS	
<b>Civilogic</b>					
203 Southwest Dr. - Jonesboro, AR - (870) 932-7880 - www.civilogic.net					
PROPOSED SOIL AND EROSION CONTROL PLAN OF RITTER CENTRE JONESBORO, ARKANSAS FOR RITTER COMMUNICATIONS					
Date	Scale	Job No.	Sheet		
01-26-10	SHOWN	109026	No.		
Section	Township	Range	County		
29	14N	4E	CRAIGHEAD		
			<b>7 of 12</b>		
ONLY COPIES WITH VIOLET COLORED SIGNATURE ARE VALID CIVILOGIC COPIES					
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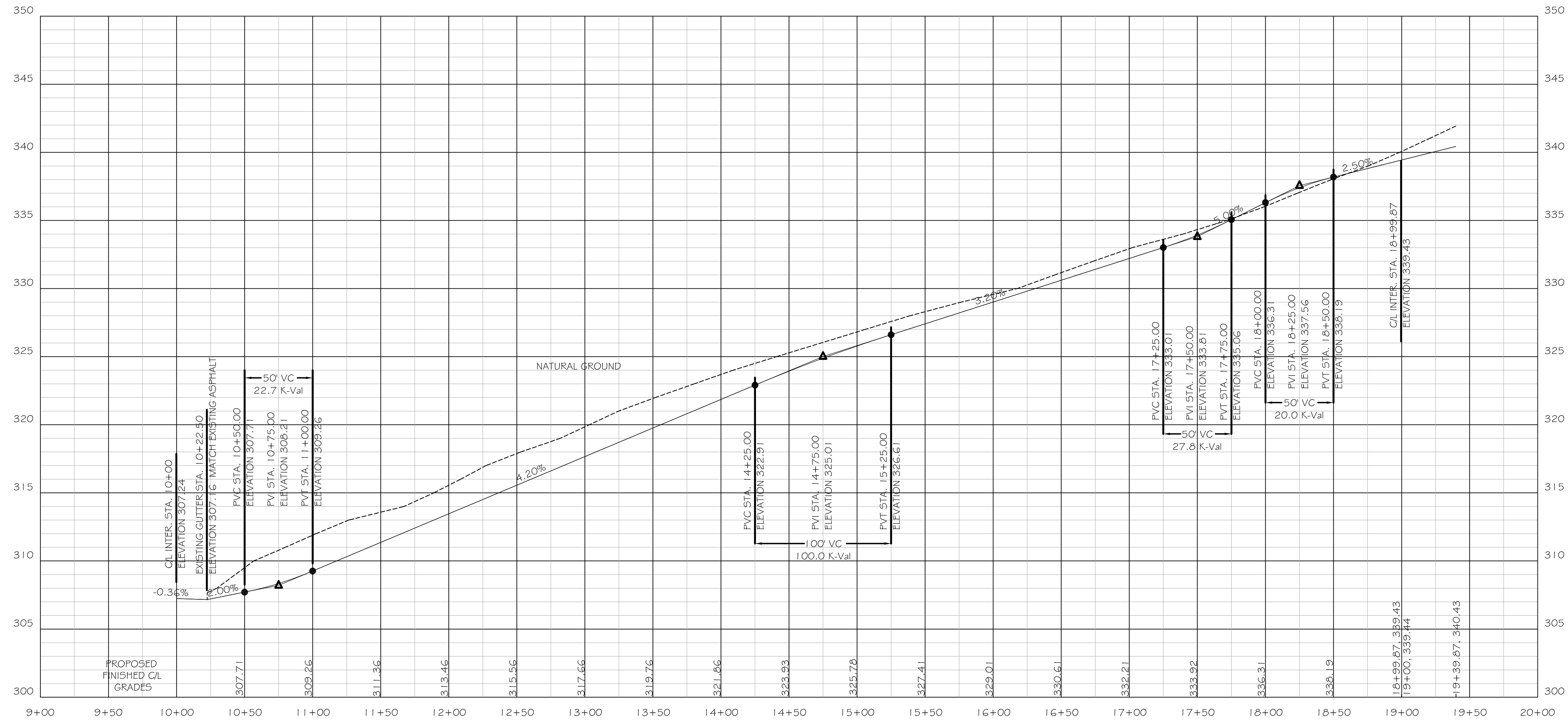
STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 7880  
GEORGE M. HAMMAN

CIVILOGIC  
No. 329  
ARKANSAS-ENGINEER



PLAN VIEW - RITTER CENTRE DRIVE

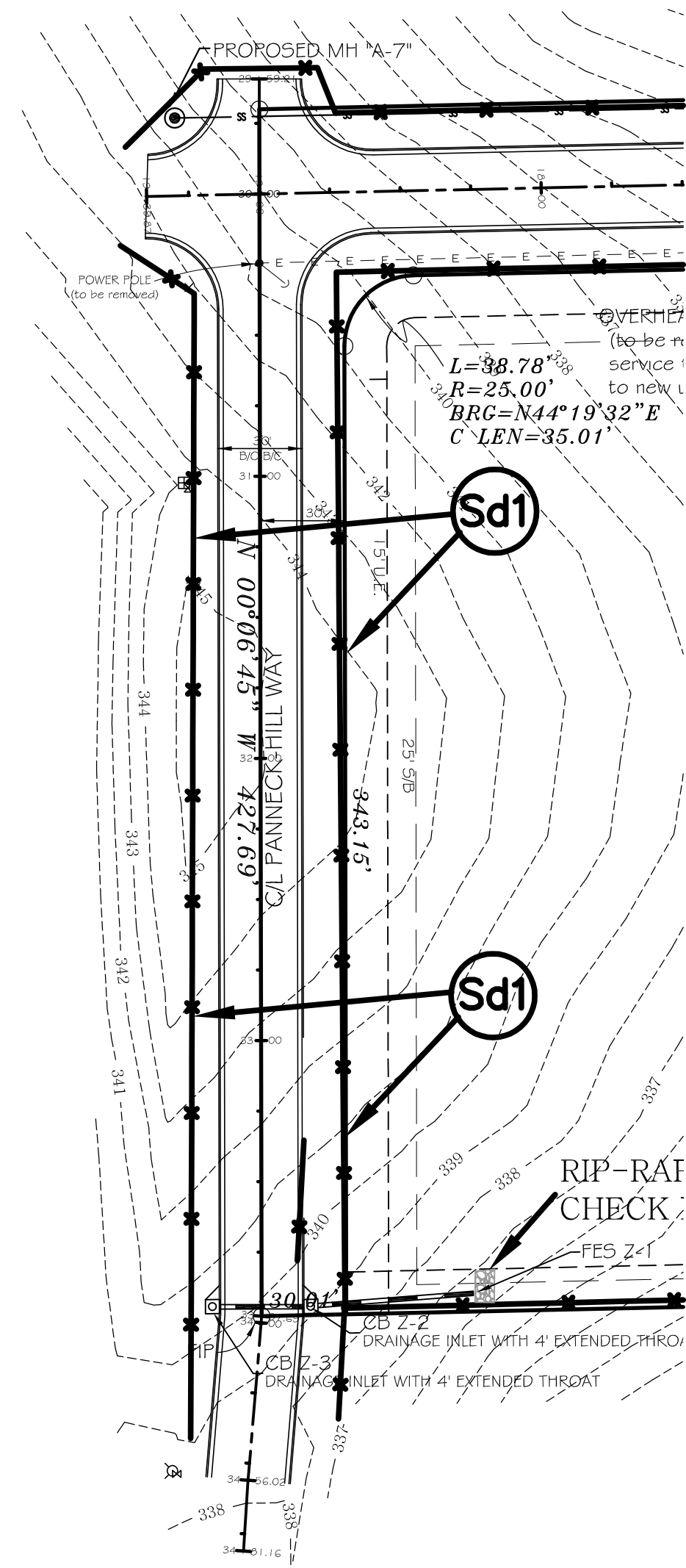
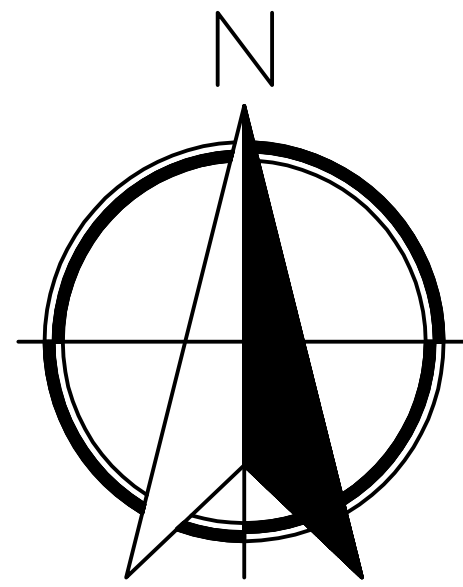
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1"=5' VERTICAL



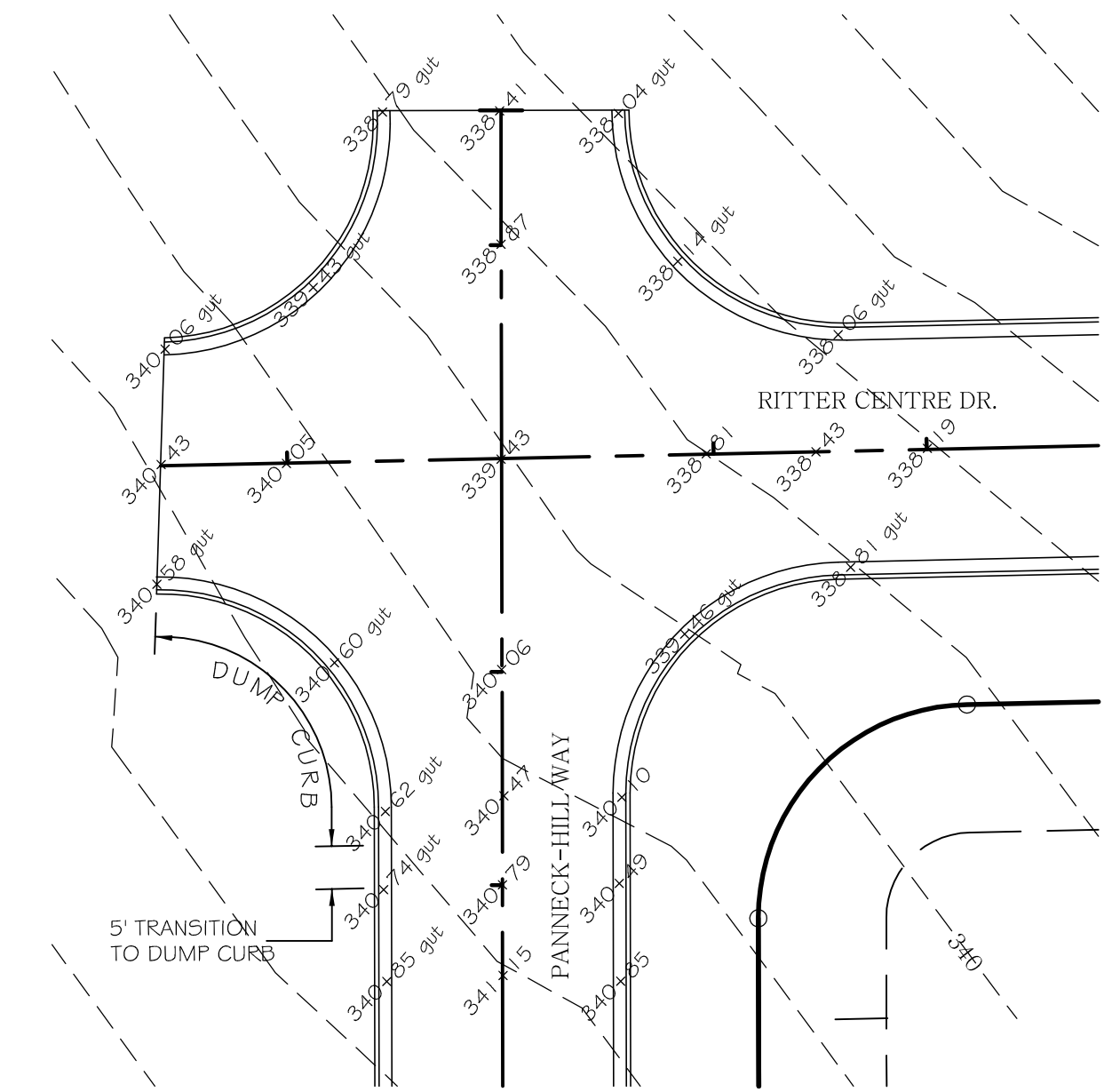
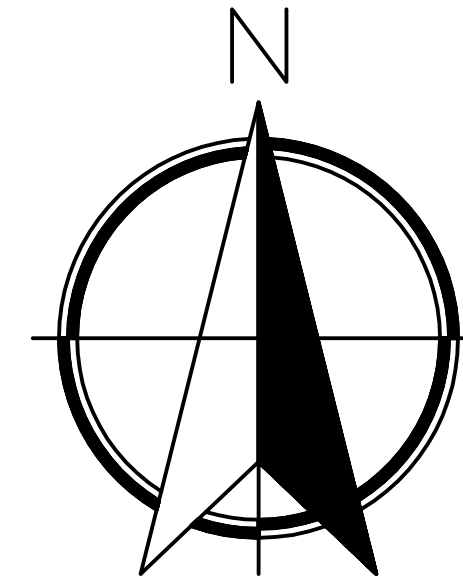
PROFILE VIEW - RITTER CENTRE DRIVE

Scale: 1"=50' HORIZONTAL  
1"=5' VERTICAL

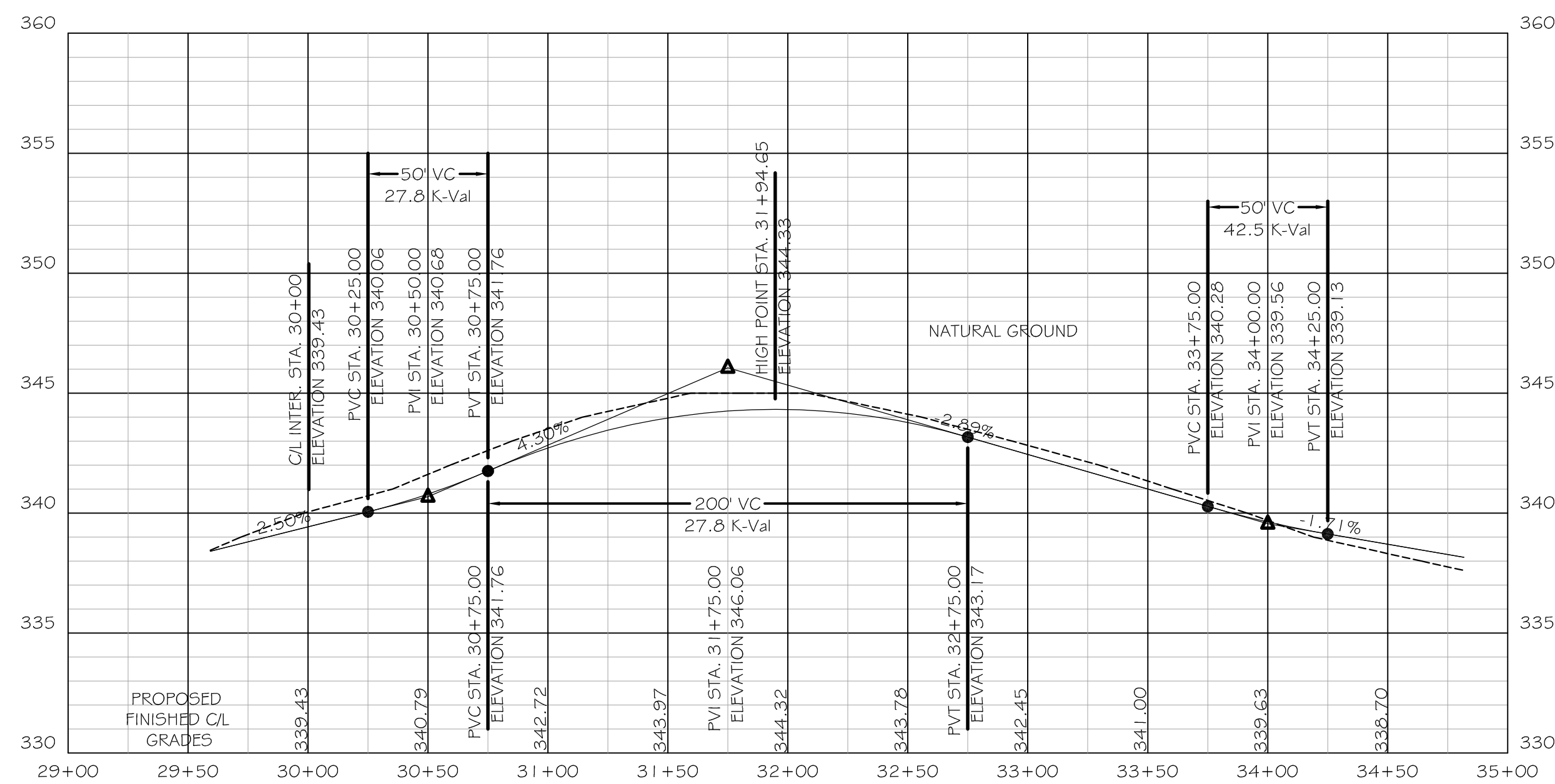
ENGINEERS	PLANNERS	SURVEYORS
<b>Civilogic</b>		
203 Southwest Dr. - Jonesboro, AR - (870)932-7880 - www.civilogic.net		
PROPOSED STREET PLAN & PROFILE OF RITTER CENTRE JONESBORO, ARKANSAS FOR RITTER COMMUNICATIONS		
Date 01-26-10	Scale SHOWN	Job No. 109026
Section 29	Township 14N	Range 4E
County CRAIGHEAD		Sheet No. <b>8 of 12</b>
ONLY COPIES WITH VIOLET COLORED SIGNATURE ARE VALID CIVILOGIC COPIES		
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PLAN VIEW - PANNECK-HILL WAY  
Scale: 1"=50'



INTERSECTION DETAIL  
Scale: 1"=20'



PROFILE VIEW - PANNECK HILL WAY  
Scale: 1"=50' HORIZONTAL  
1"=5' VERTICAL

ENGINEERS		PLANNERS		SURVEYORS	
<b>Civilogic</b>					
203 Southwest Dr.-Jonesboro, AR-(870)932-7880-www.civilogic.net					
PROPOSED STREET PLAN & PROFILE OF RITTER CENTRE JONESBORO, ARKANSAS FOR RITTER COMMUNICATIONS					
Date	Scale	Job No.	Sheet		
01-26-10	SHOWN	109026	No.		
Section	Township	Range	County		
29	14N	4E	CRAIGHEAD	9 of 12	
ONLY COPIES WITH VIOLET COLORED SIGNATURE ARE VALID CIVILOGIC COPIES					
© 2010, Civilogic		Drawn By:	RE	Checked by:	

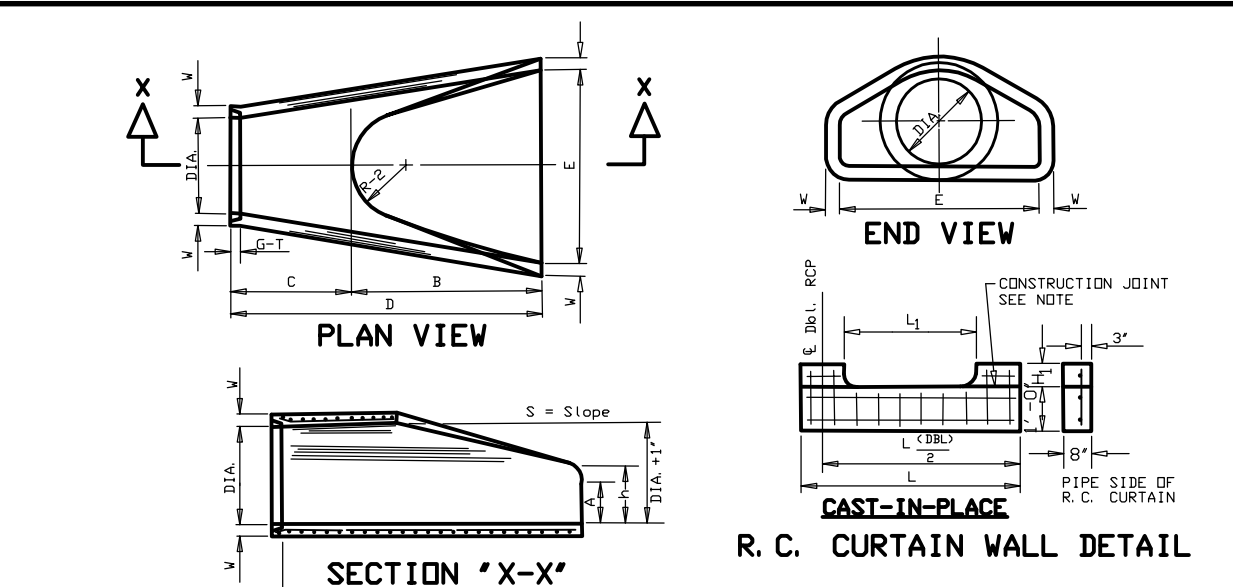
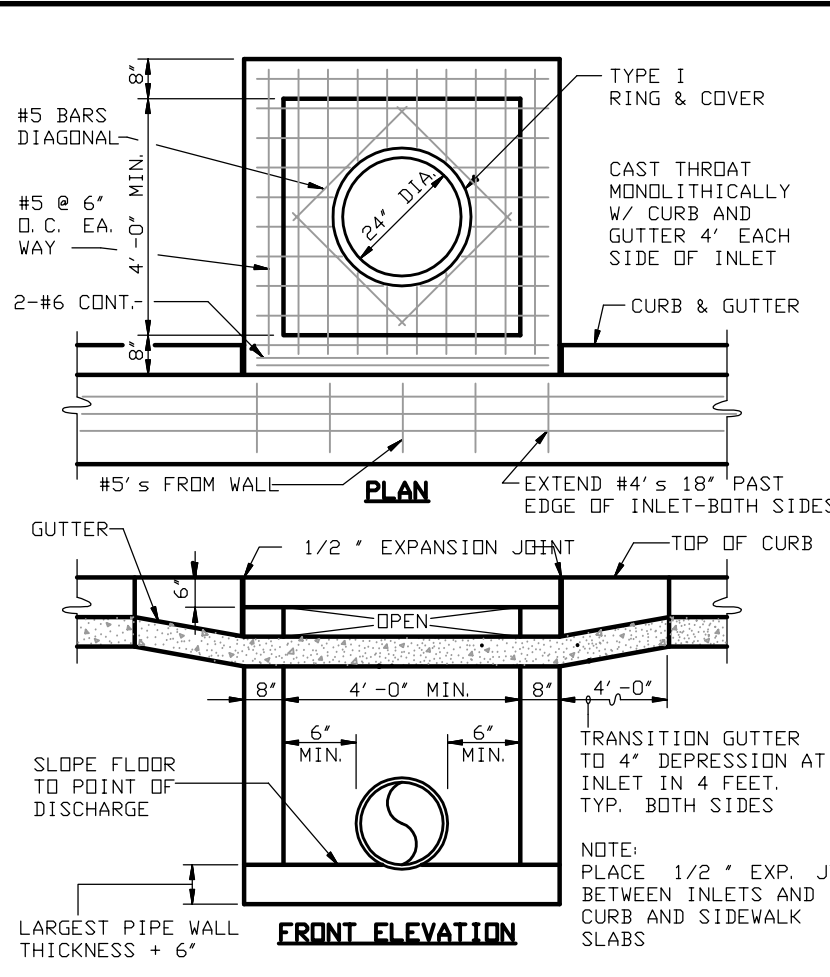


TABLE OF DIMENSIONS

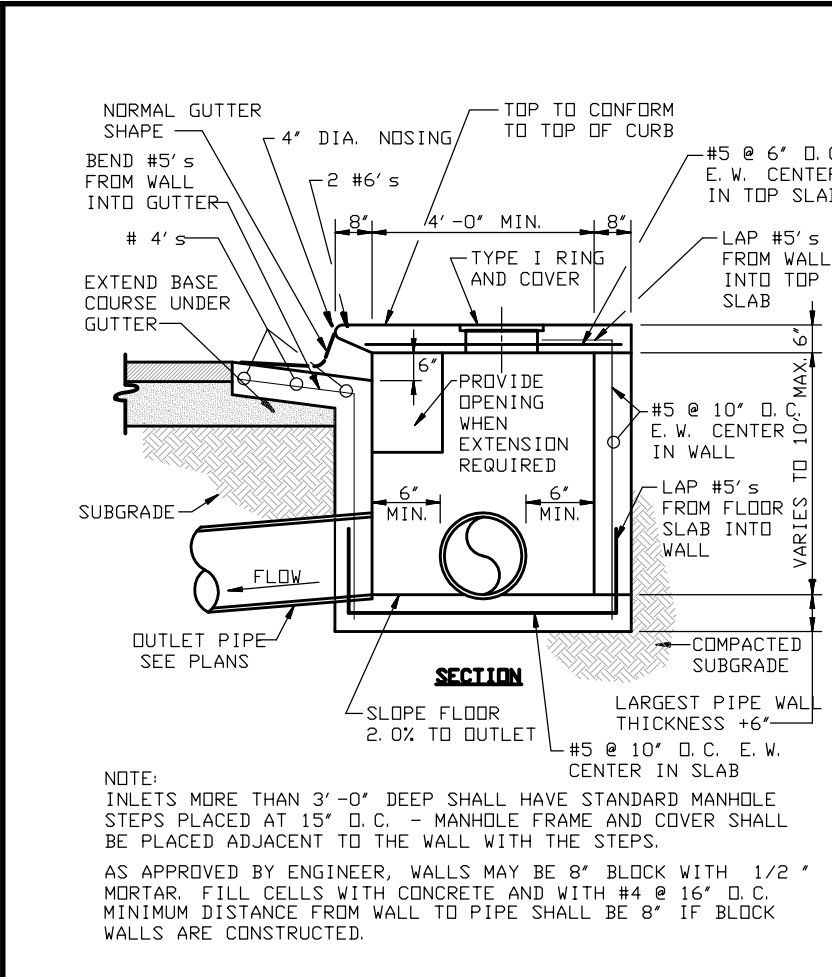
DIAM WALL	A	B	C	D	E	S DIA	P	R-1	R-2	G-T	QT	h
18"	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
24"	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
30"	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
36"	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
42"	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
48"	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
54"	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
60"	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
66"	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
72"	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2

- NOTES:
- The portion of the R.C. Curtain Wall beneath the Flared End Section (Lower 1'-0" shall be placed monolithically. The Flared End Section shall then be set in place and the remaining portions of the R.C. Curtain Wall placed.
  - All reinforcing steel are #4 Bars at 6" O.C. EACH WAY.
  - No separate payment will be made for the Curbs and Sidewalks. They shall be considered subsidiary to the Flared End Sections.
  - Tongue End On Upstream Section. Groove End On Downstream Section.

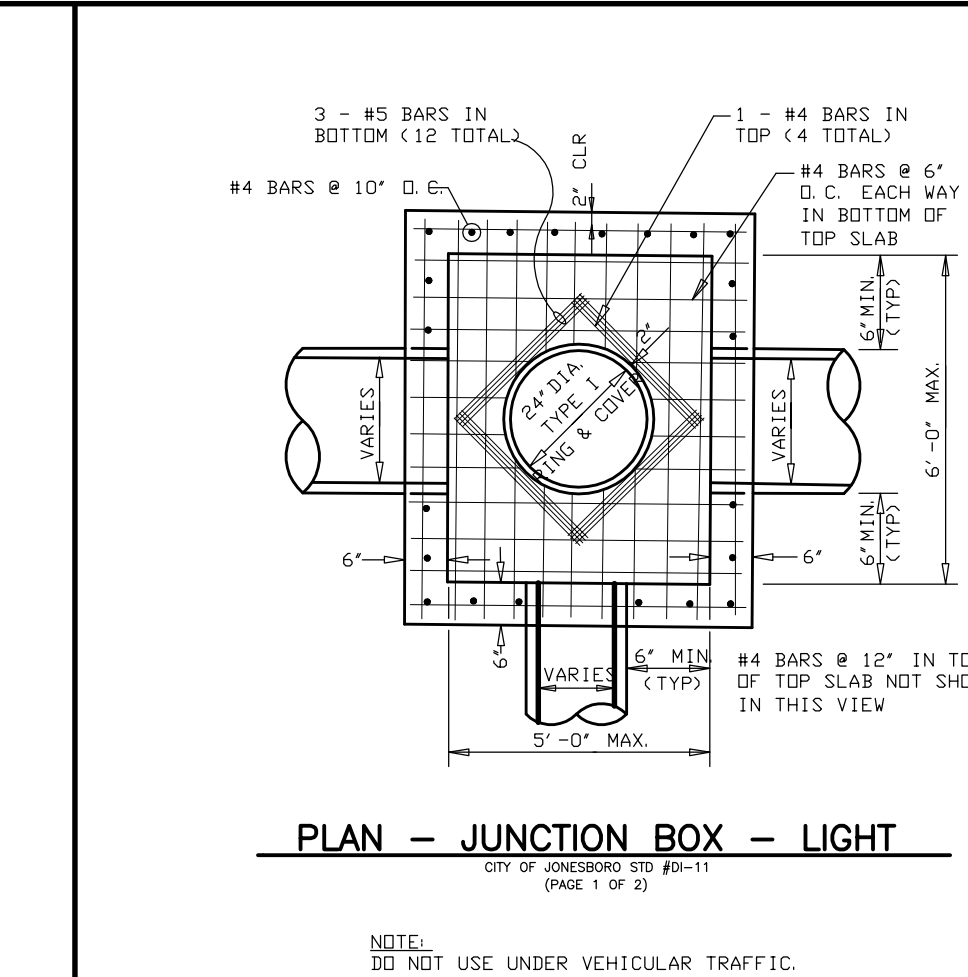
**FLARED END SECTION DETAILS FOR REINFORCED CONCRETE PIPE CULVERT**  
CITY OF JONESBORO STD #FE-1 (PAGE 1 OF 1)



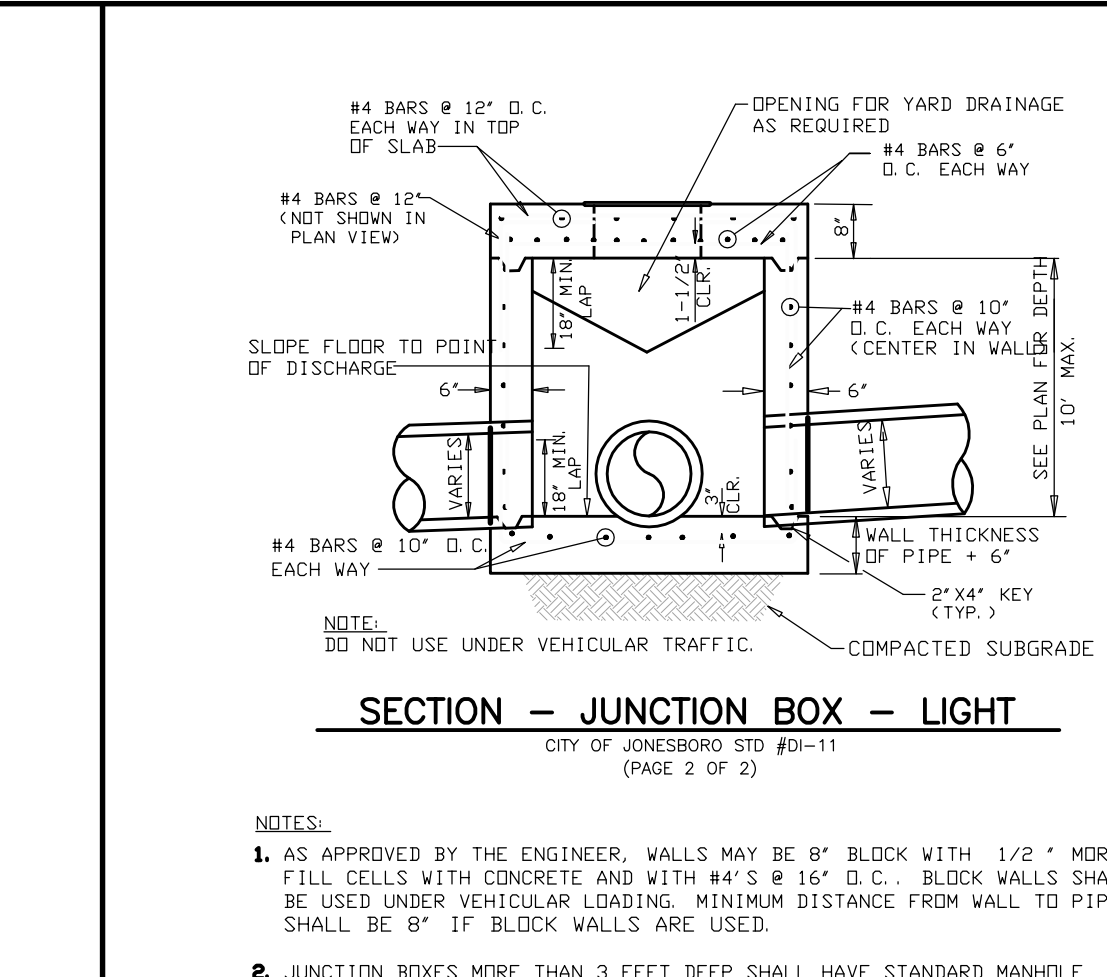
**CURB INLET - TYPE "A"**  
CITY OF JONESBORO STD #BI-1 (PAGE 1 OF 3)



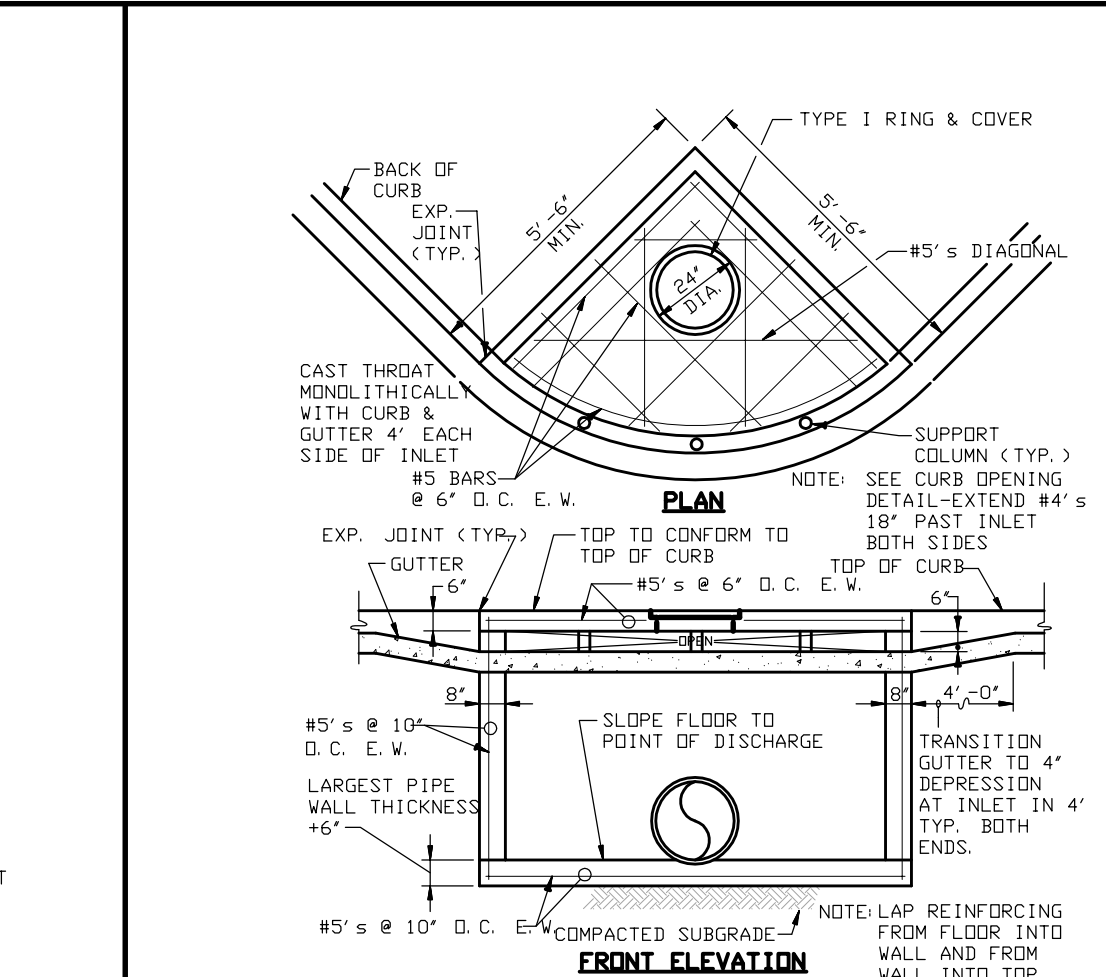
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CITY OF JONESBORO STD #BI-1 (PAGE 1 OF 3)



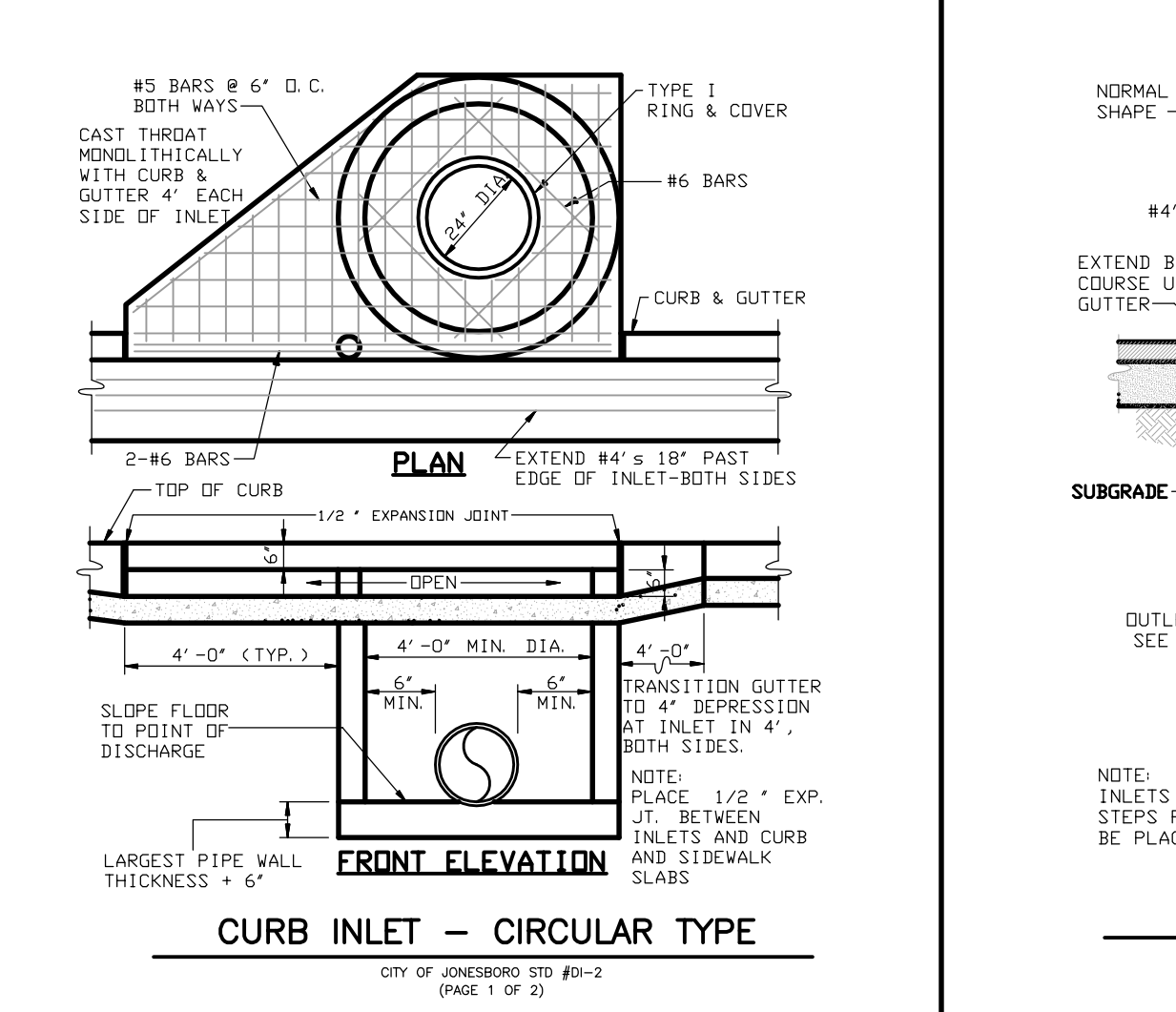
**PLAN - JUNCTION BOX - LIGHT**  
CITY OF JONESBORO STD #JB-1 (PAGE 2 OF 2)



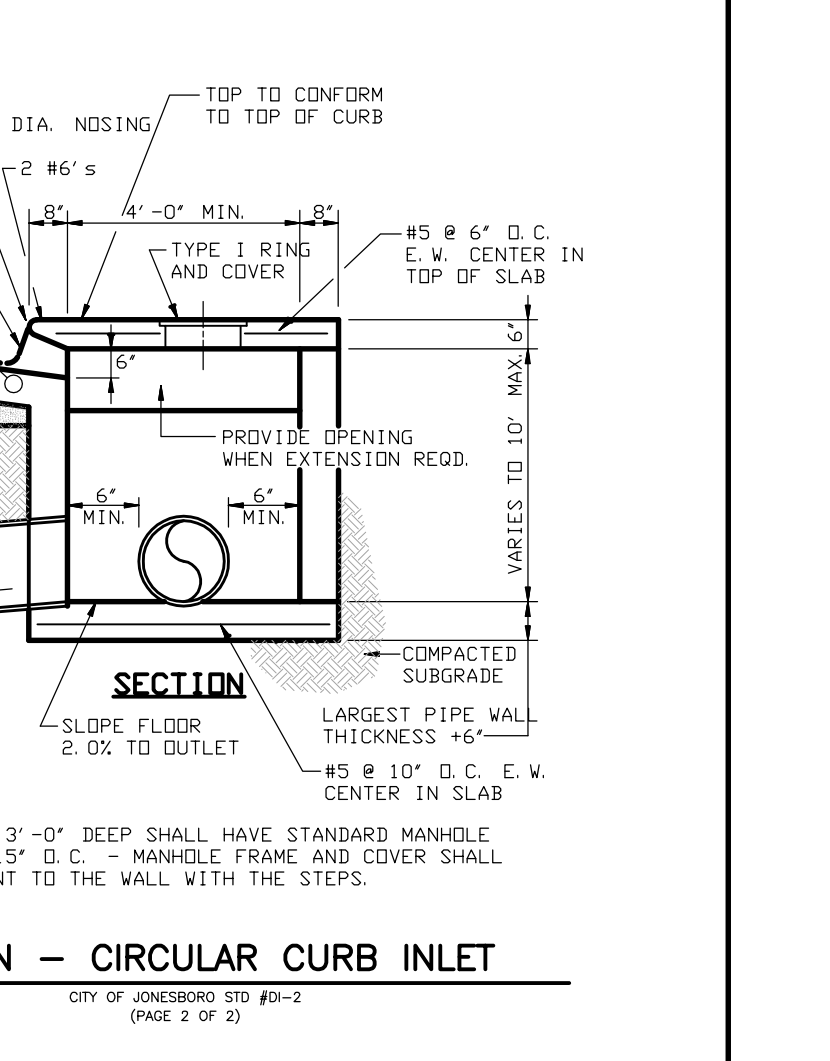
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CITY OF JONESBORO STD #JB-1 (PAGE 2 OF 2)



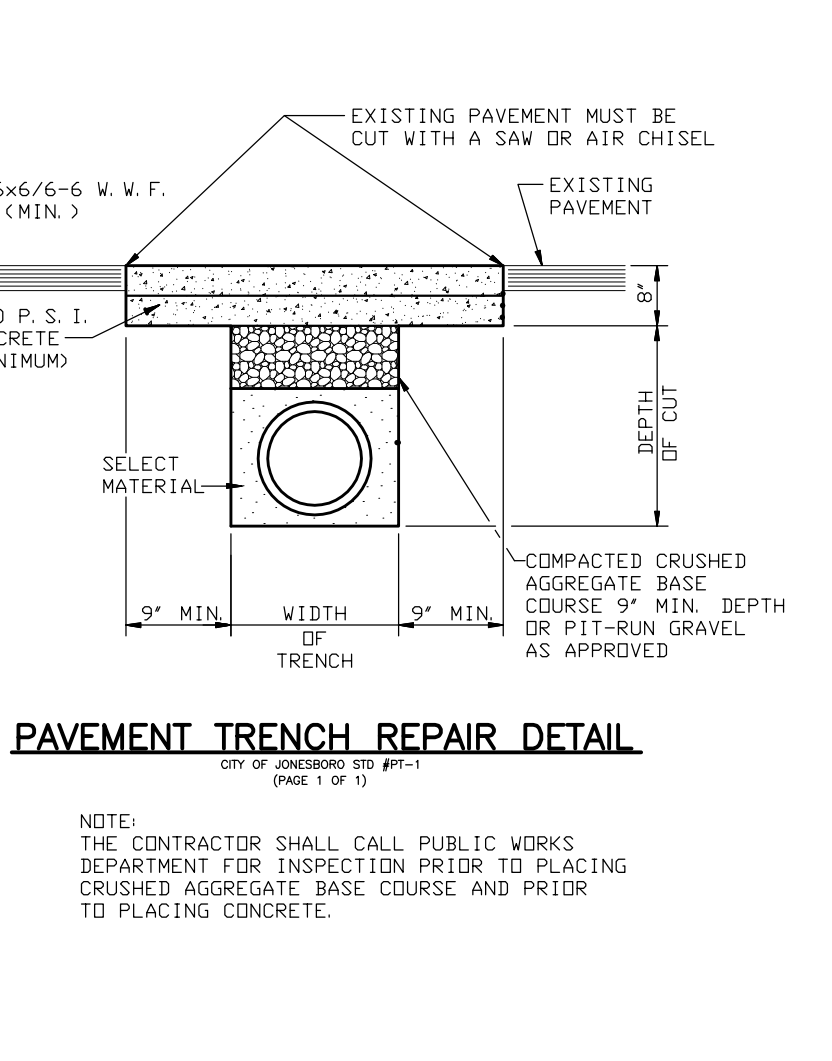
**CURB INLET - TYPE "B"**  
CITY OF JONESBORO STD #BI-3 (PAGE 1 OF 1)



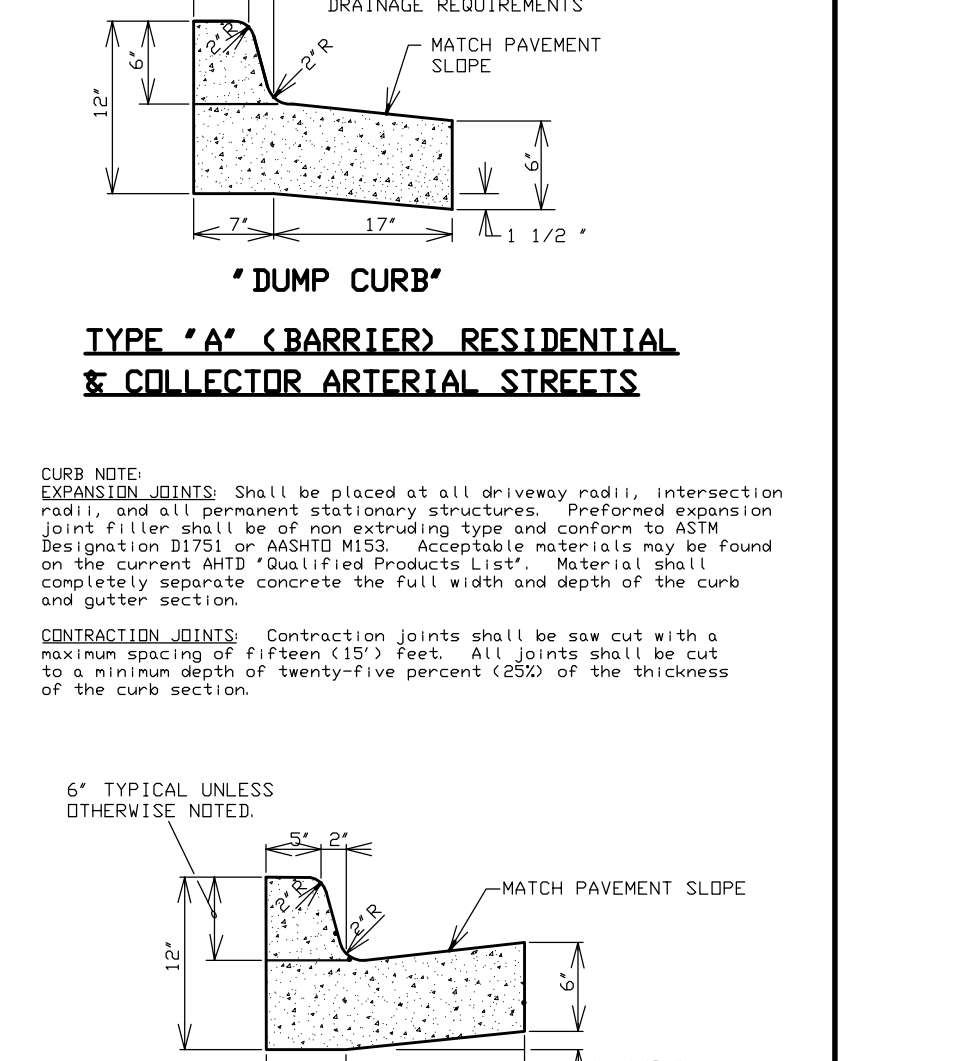
**CURB INLET - CIRCULAR TYPE**  
CITY OF JONESBORO STD #BI-2 (PAGE 1 OF 2)



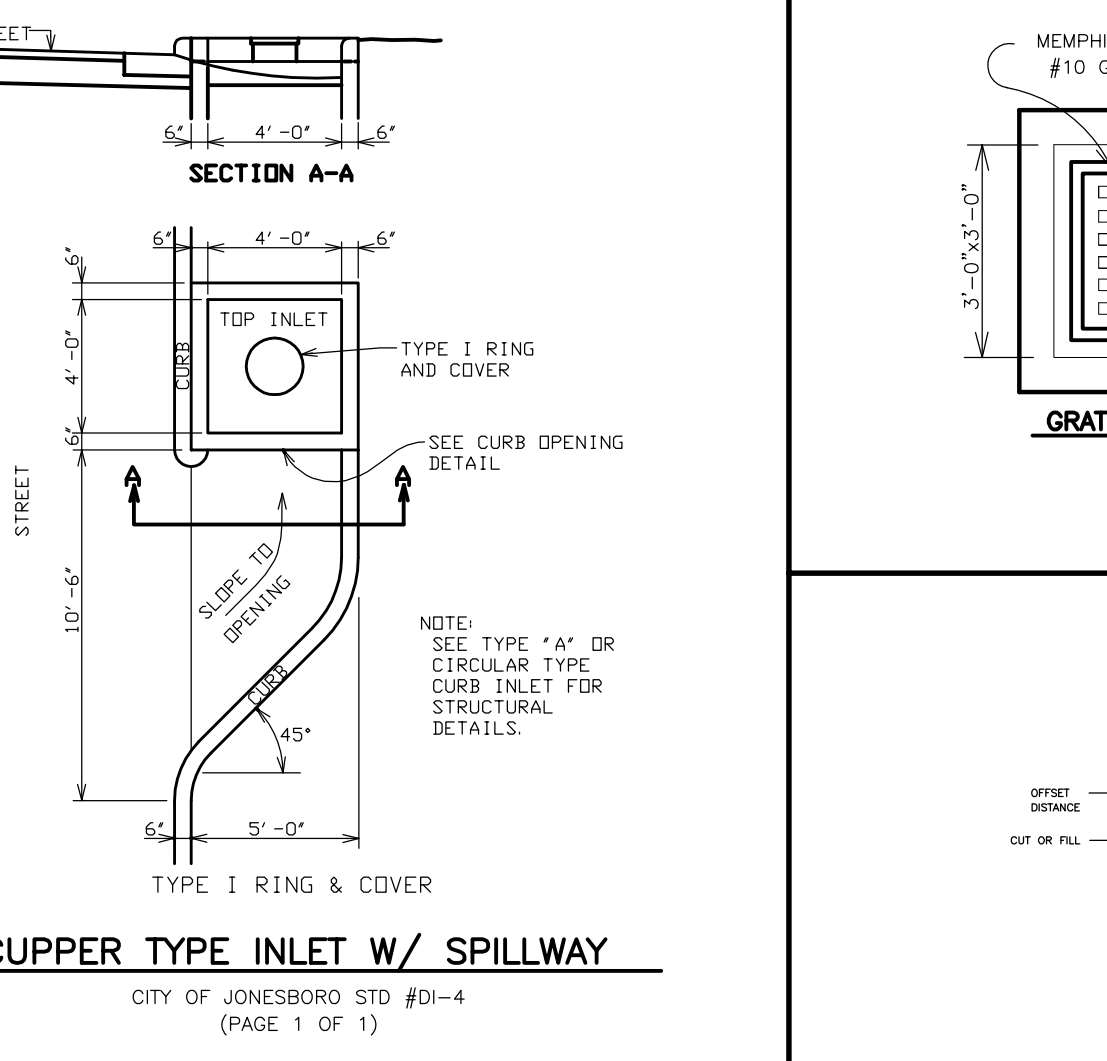
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CITY OF JONESBORO STD #BI-2 (PAGE 2 OF 2)



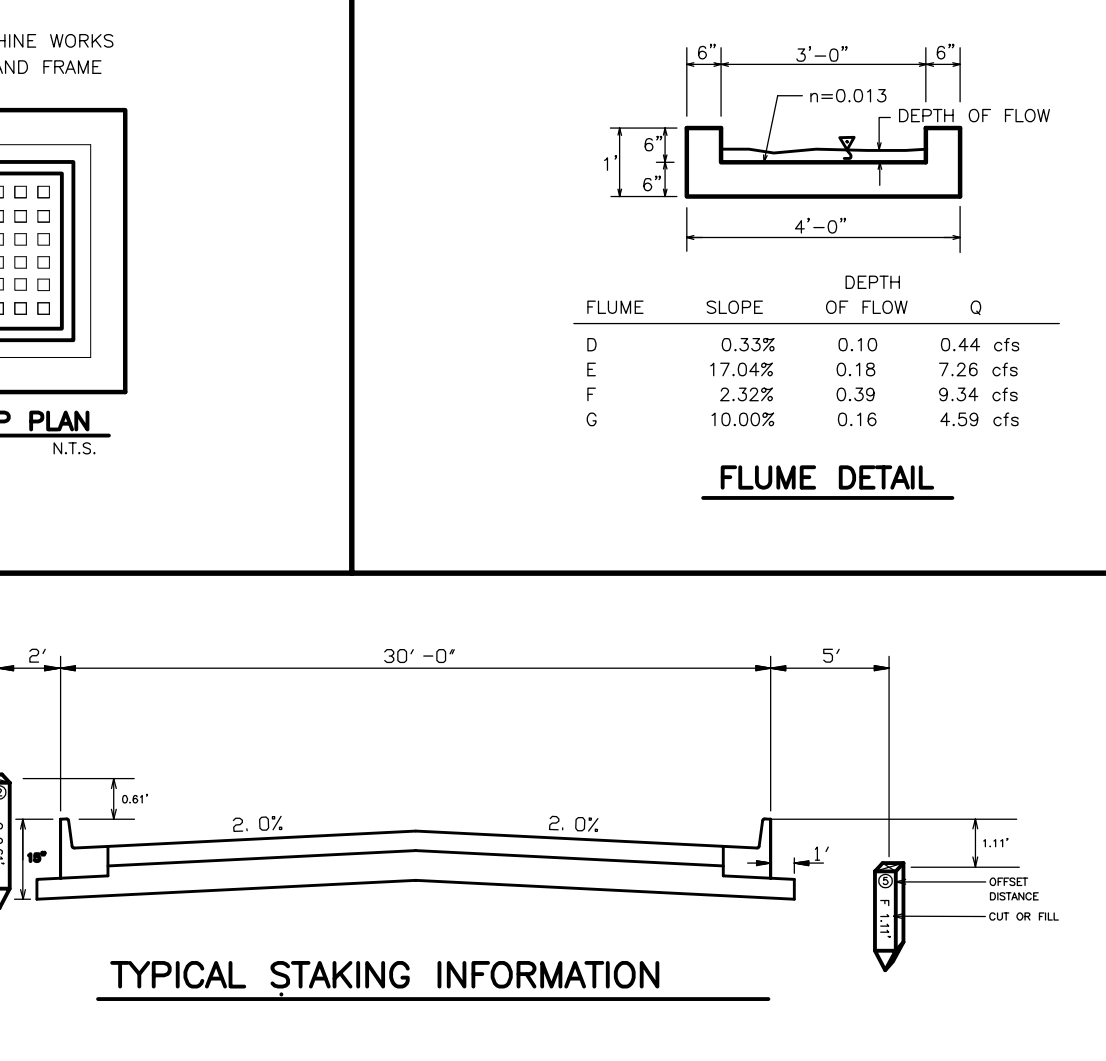
**PAVEMENT TRENCH REPAIR DETAIL**  
CITY OF JONESBORO STD #PT-1 (PAGE 1 OF 1)



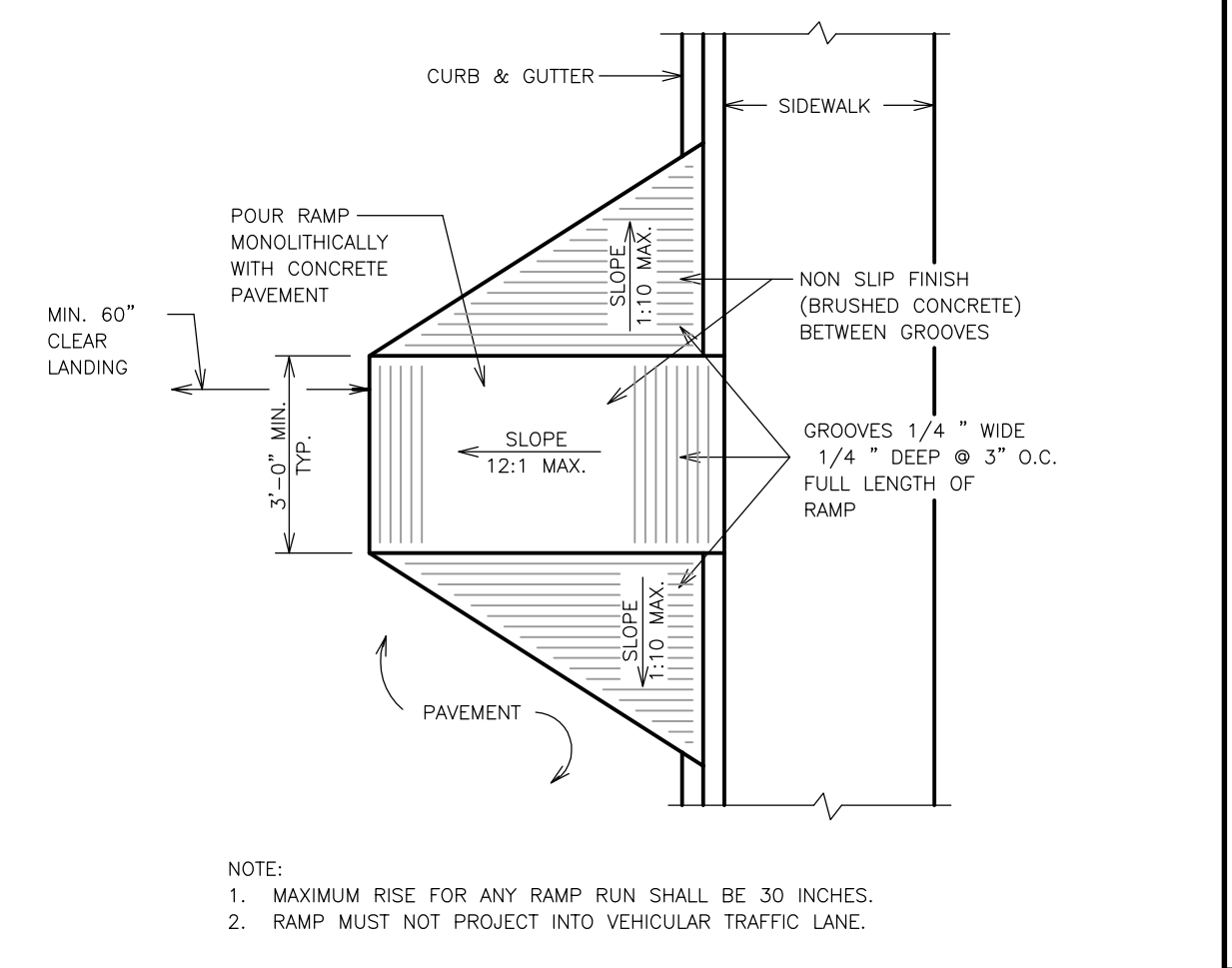
**"DUMP CURB"**  
CITY OF JONESBORO STD #DC-1 (PAGE 1 OF 1)



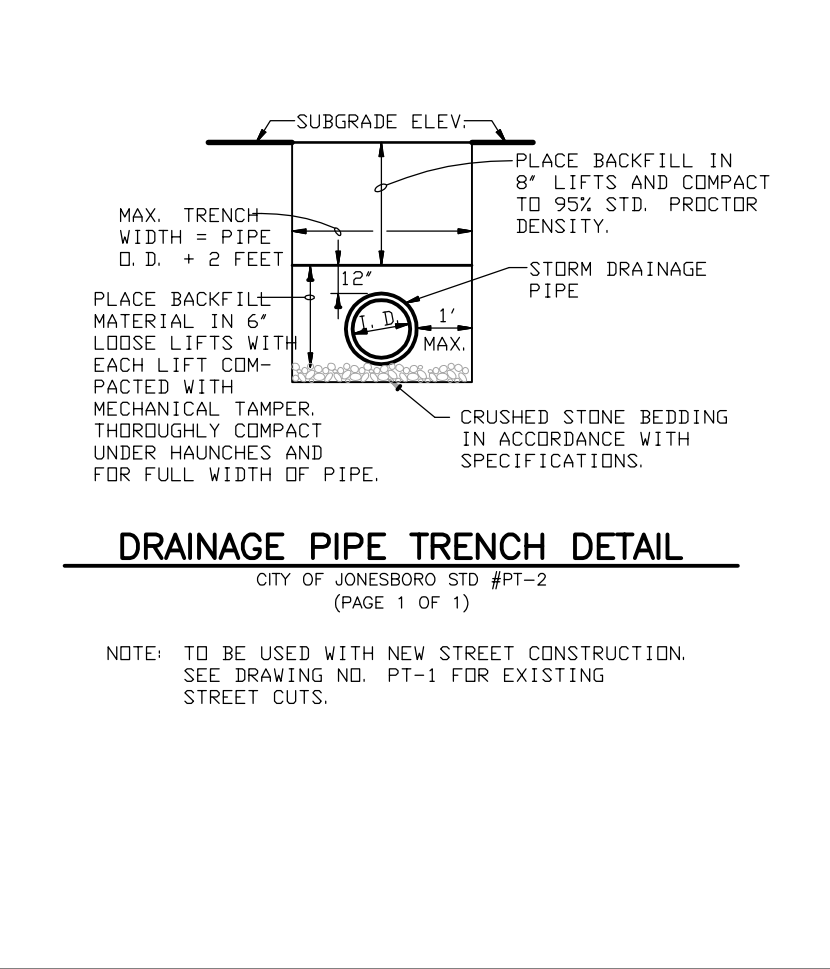
**SCUPPER TYPE INLET W/ SPILLWAY**  
CITY OF JONESBORO STD #SI-4 (PAGE 1 OF 1)



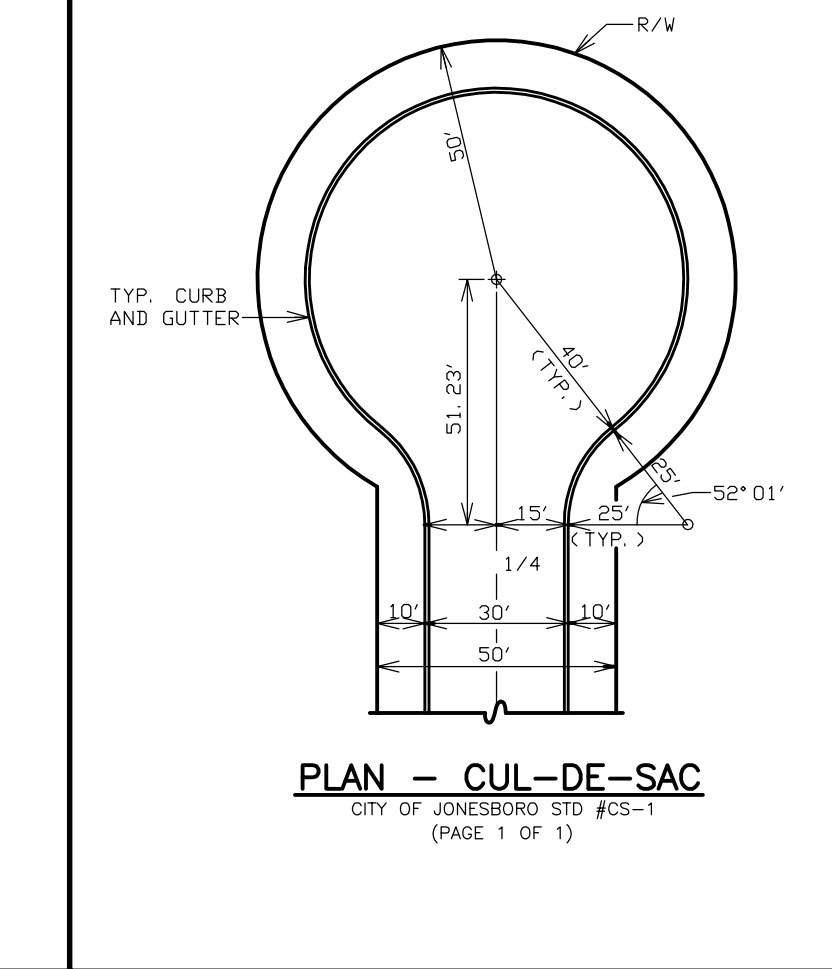
**FLUME DETAIL**  
CITY OF JONESBORO STD #FI-3 (PAGE 1 OF 1)



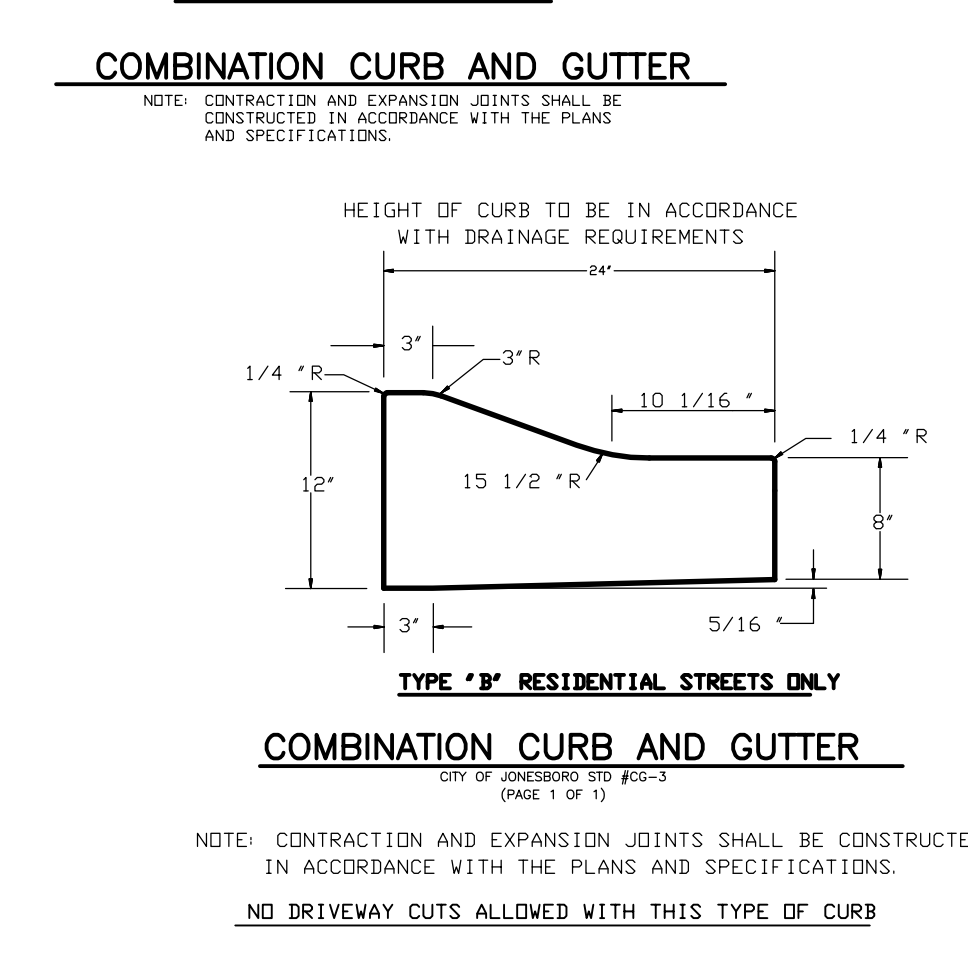
**TYPE "D" ACCESS RAMP**  
CITY OF JONESBORO STD #AR-1 (PAGE 1 OF 1)



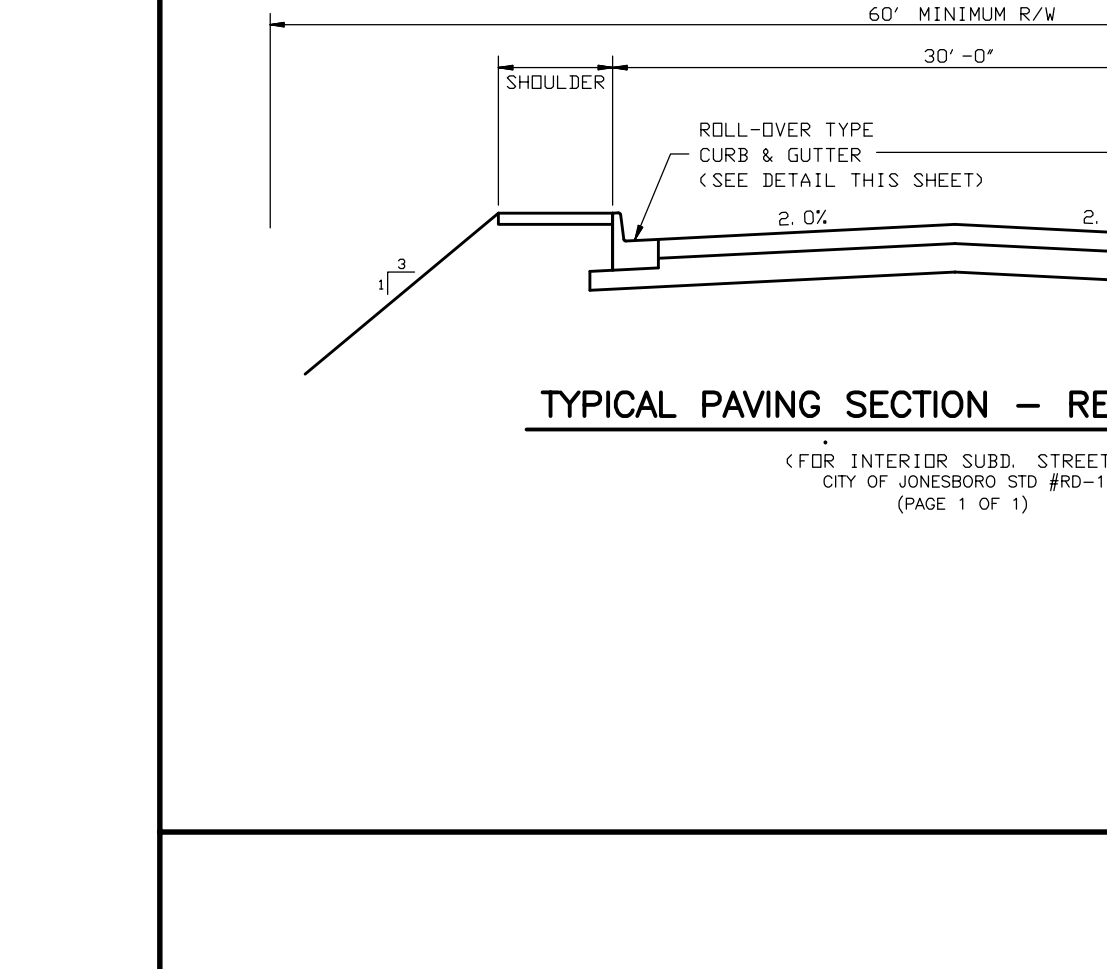
**DRAINAGE PIPE TRENCH DETAIL**  
CITY OF JONESBORO STD #PT-2 (PAGE 1 OF 1)



**PLAN - CUL-DE-SAC**  
CITY OF JONESBORO STD #CS-1 (PAGE 1 OF 1)



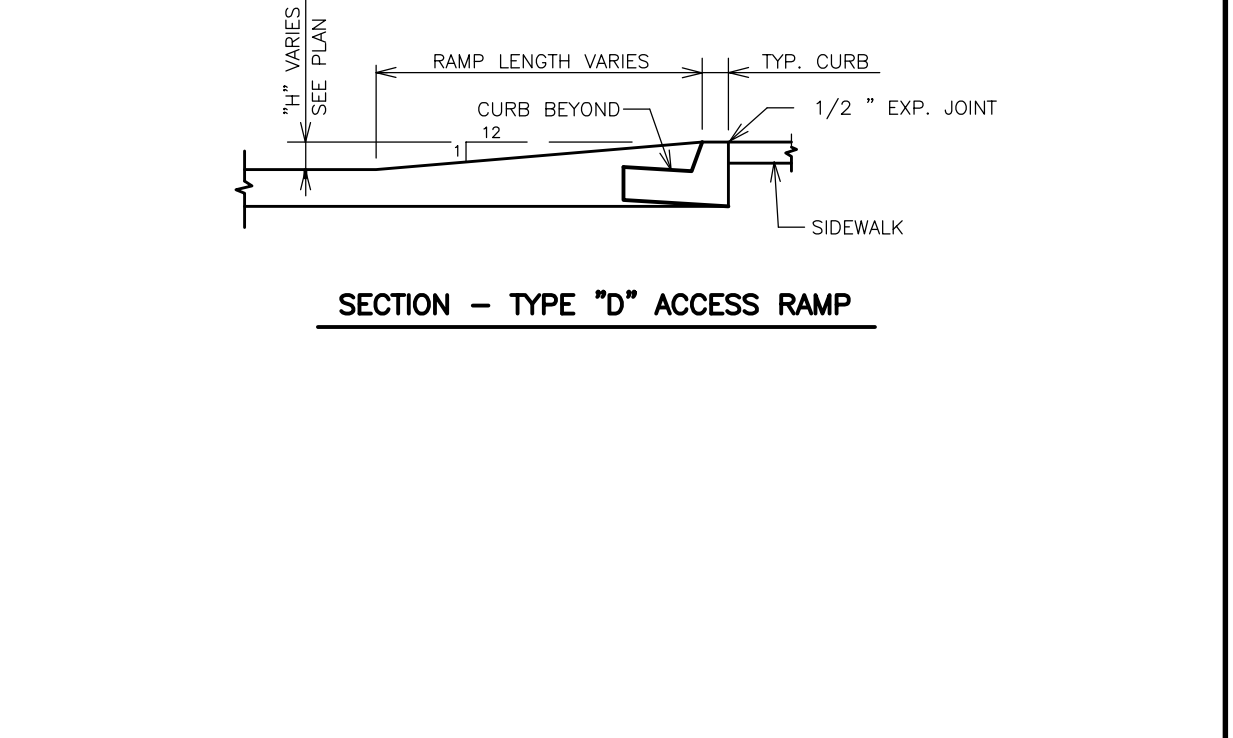
**COMBINATION CURB AND GUTTER**  
CITY OF JONESBORO STD #CG-3 (PAGE 1 OF 1)



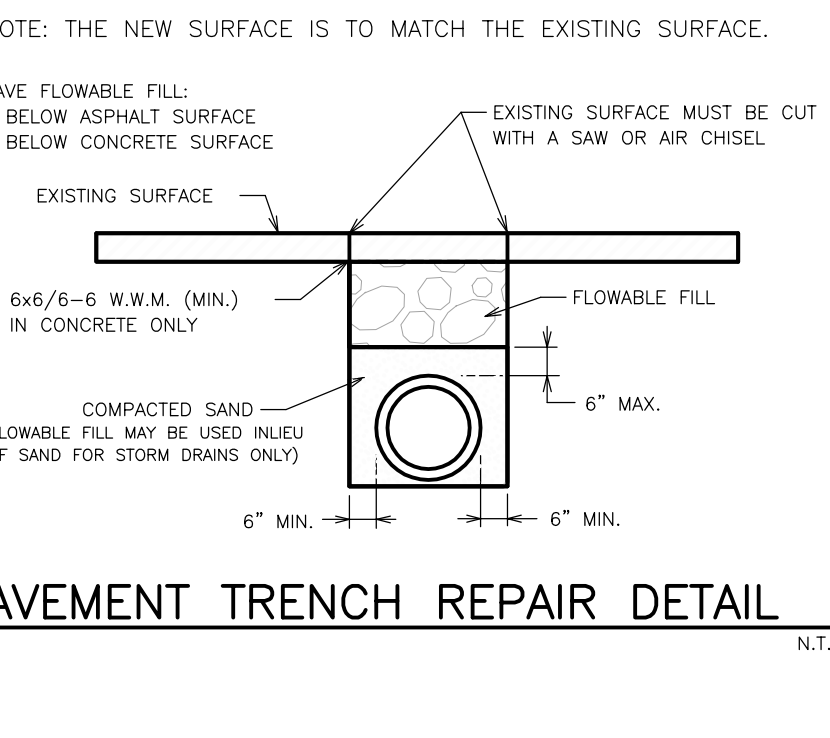
**TYPICAL PAVING SECTION - RESIDENTIAL**  
CITY OF JONESBORO STD #PS-1 (PAGE 1 OF 1)

CLASSIFICATION	FLEXIBLE		RIGID
	1	2	
ARTERIAL	1 1/2" ACHM SURFACE COURSE 8" ACHM BINDER COURSE 4" ACHM BASE COURSE PREPARED SUBGRADE	7" PCC PREPARED SUBGRADE	
COLLECTOR	4" ACHM SURFACE COURSE (2" LIFTS) 6" CRUSHED AGG BASE COURSE PREPARED SUBGRADE	6" PCC PREPARED SUBGRADE	
RESIDENTIAL	3" ACHM SURFACE COURSE (2" 1/2" LIFTS) 6" CRUSHED AGG BASE COURSE PREPARED SUBGRADE	5" PCC PREPARED SUBGRADE	

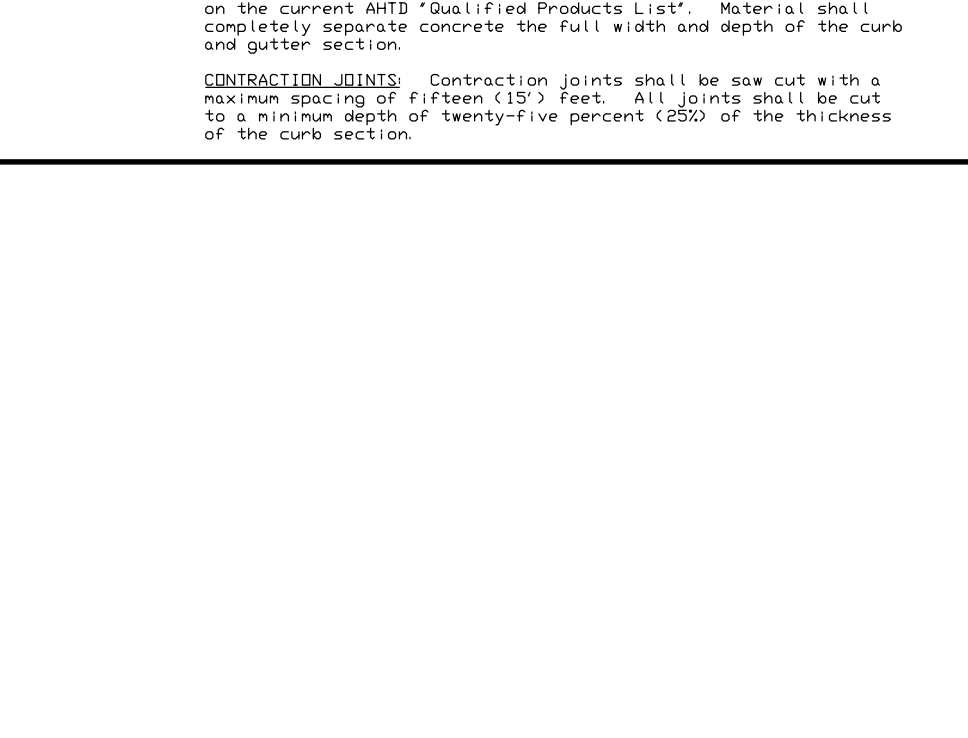
NOTE: INFORMATION IN TABLE REPRESENTS MINIMUM PAVEMENT SECTIONS FOR EACH STREET CLASSIFICATION AS SPECIFIED IN THE JONESBORO CITY CODE. ACTUAL PAVEMENT SECTIONS WILL BE DESIGNED AND/OR SELECTED ON A PROJECT-SPECIFIC BASIS AND APPROVED BY THE CITY ENGINEER.



**SECTION - TYPE "D" ACCESS RAMP**  
CITY OF JONESBORO STD #AR-1 (PAGE 1 OF 1)



**PAVEMENT TRENCH REPAIR DETAIL**  
CITY OF JONESBORO STD #PT-1 (PAGE 1 OF 1)



**COMBINATION CURB AND GUTTER**  
CITY OF JONESBORO STD #CG-3 (PAGE 1 OF 1)



**TYPICAL PAVING SECTION - RESIDENTIAL**  
CITY OF JONESBORO STD #PS-1 (PAGE 1 OF 1)

ENGINEERS PLANNERS SURVEYORS

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STREET CONSTRUCTION DETAILS FOR RITTER CENTRE JONESBORO, ARKANSAS FOR RITTER COMMUNICATIONS

DATE: 01-26-10 SCALE: SHOWN JOB NO.: 109026 SHEET NO.: 29

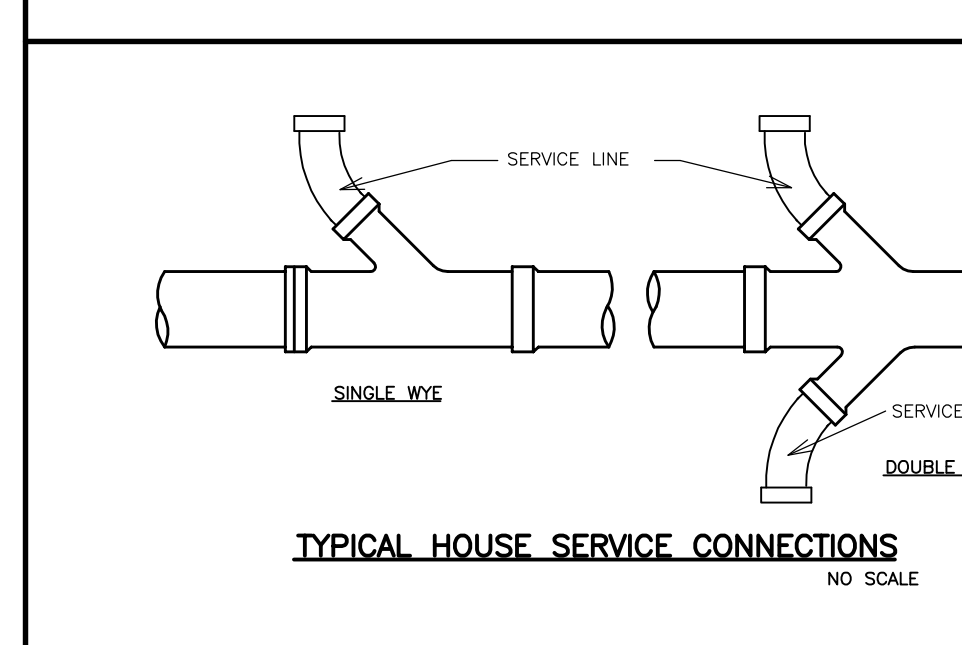
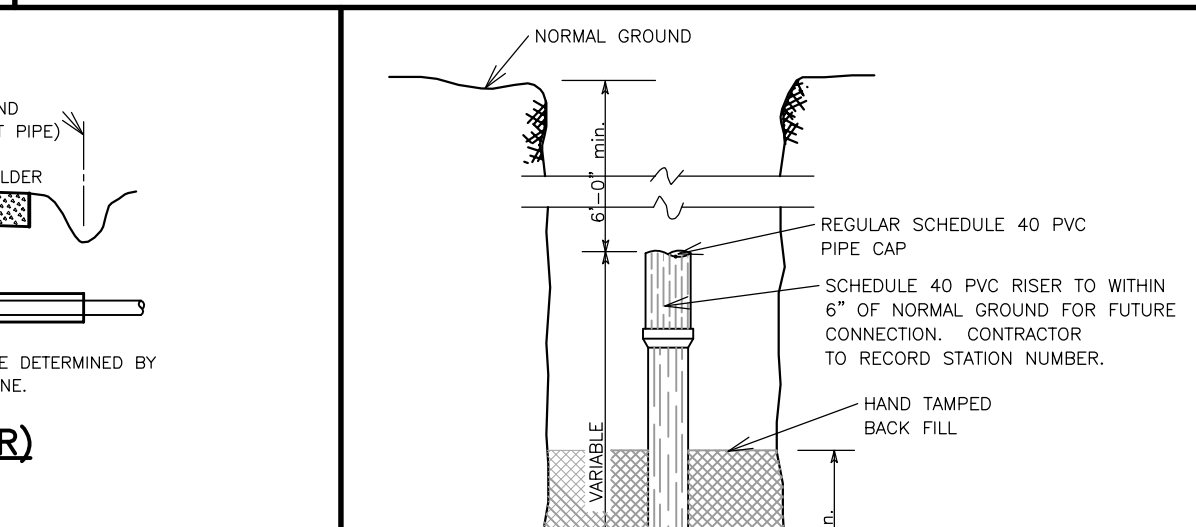
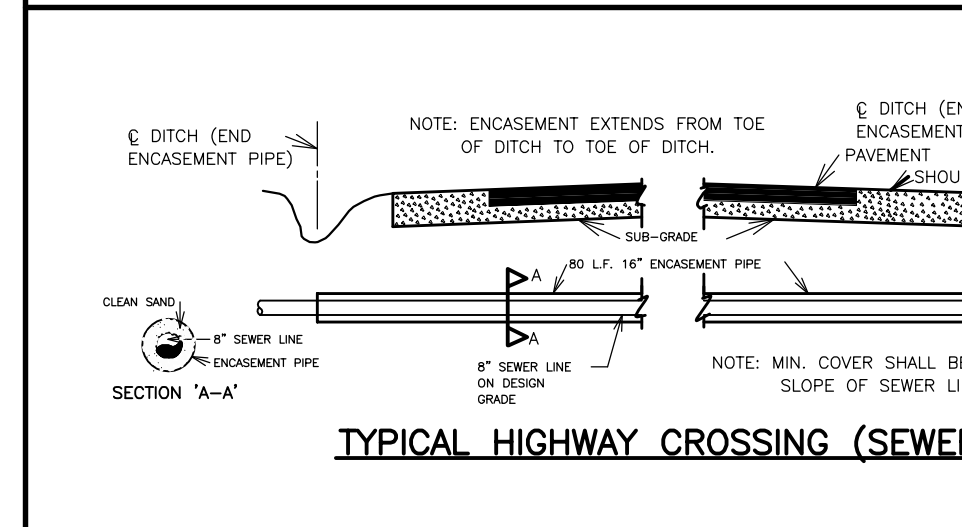
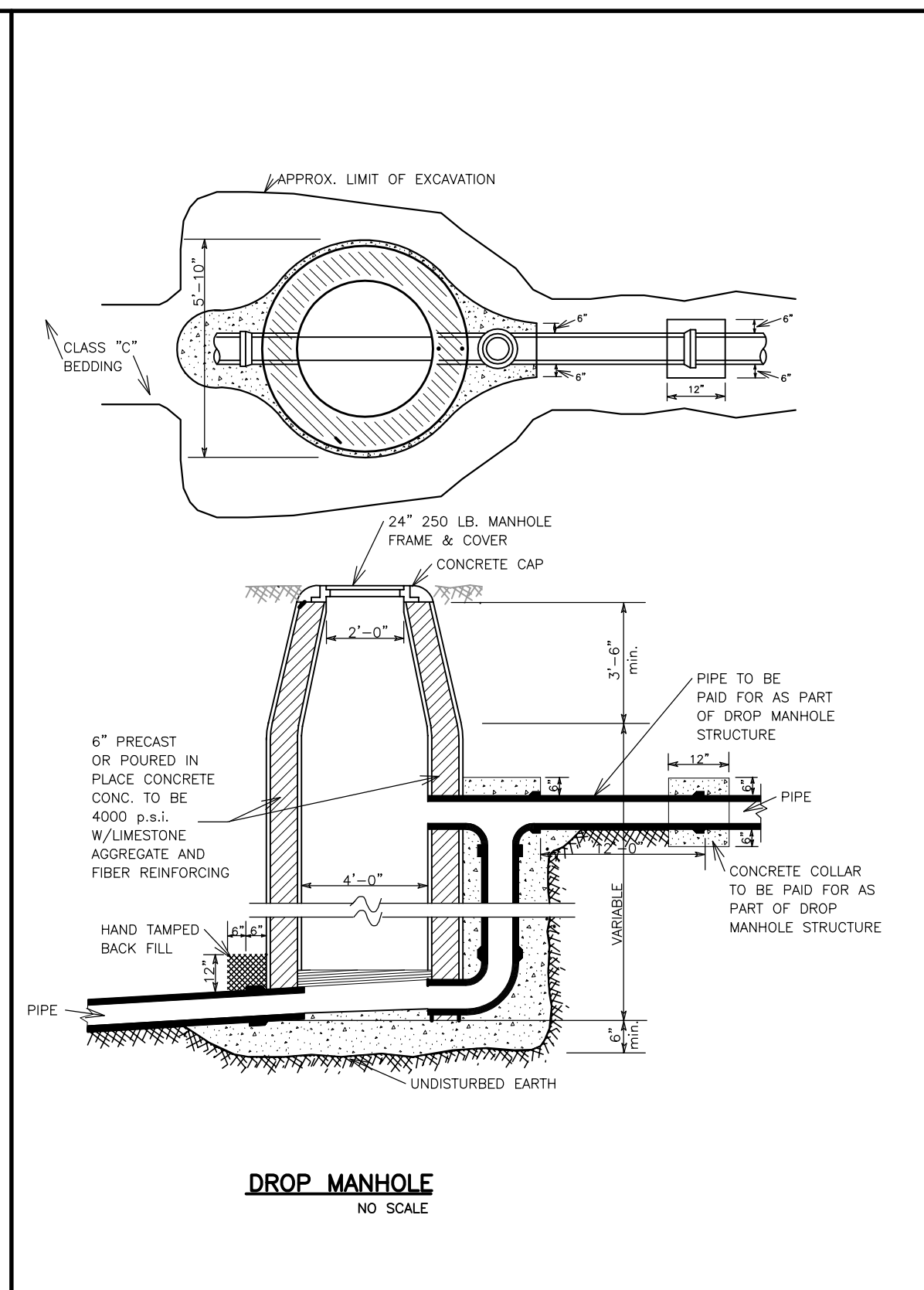
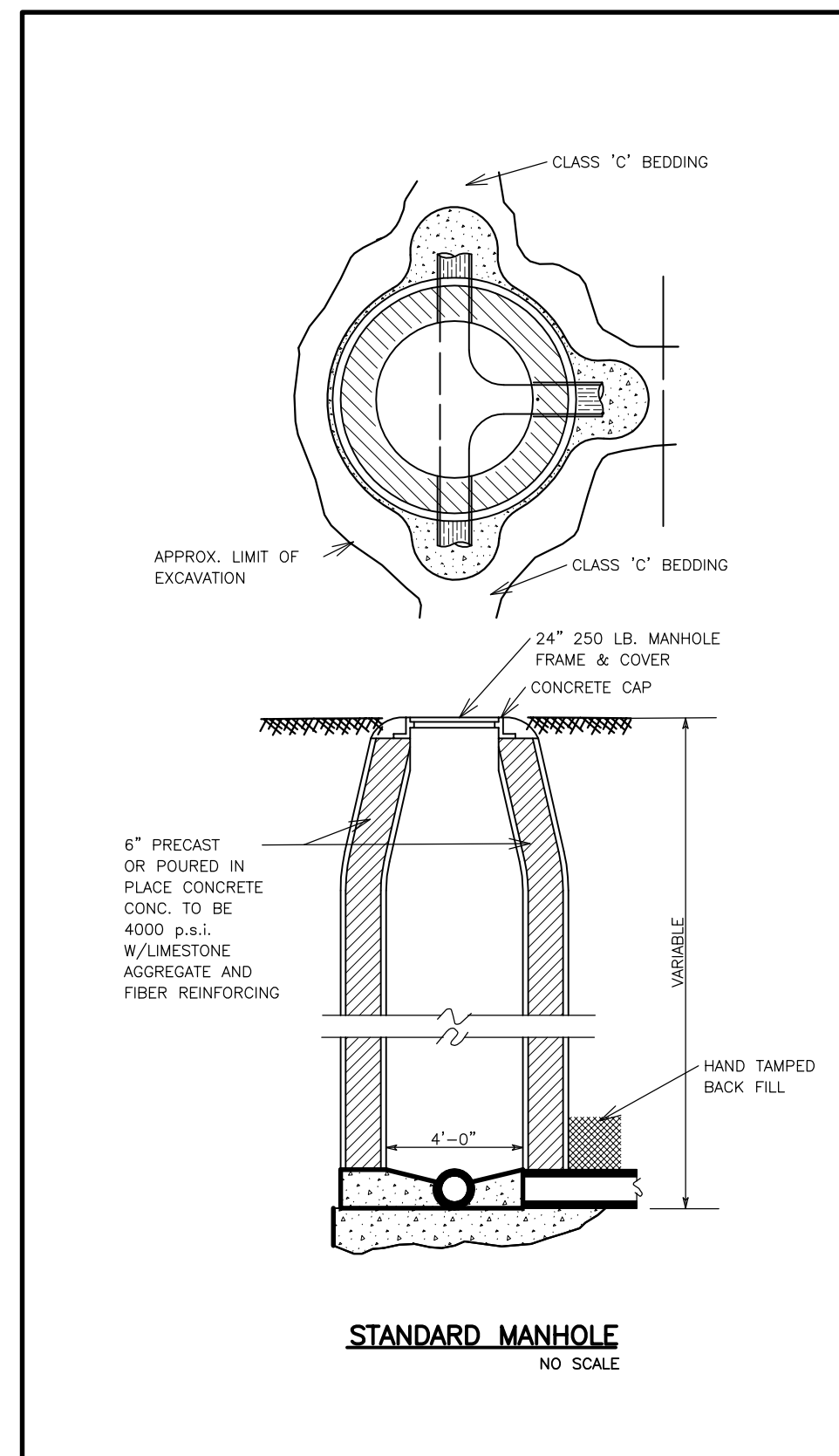
TOWNSHIP: 14N RANGE: 4E COUNTY: CRAIGHEAD

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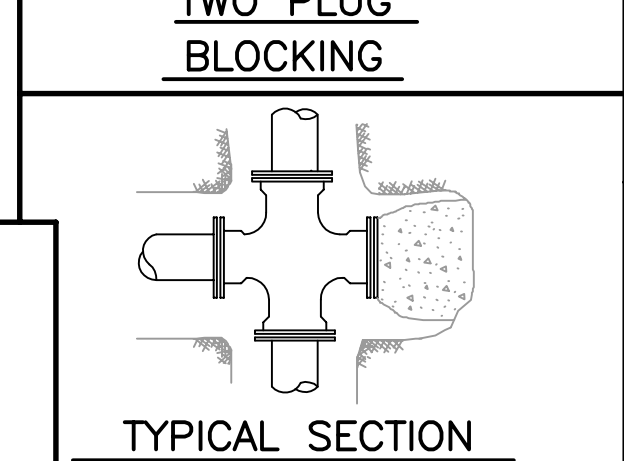
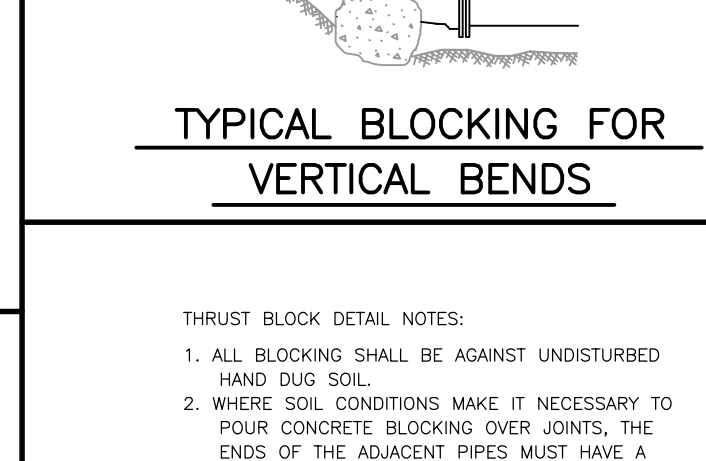
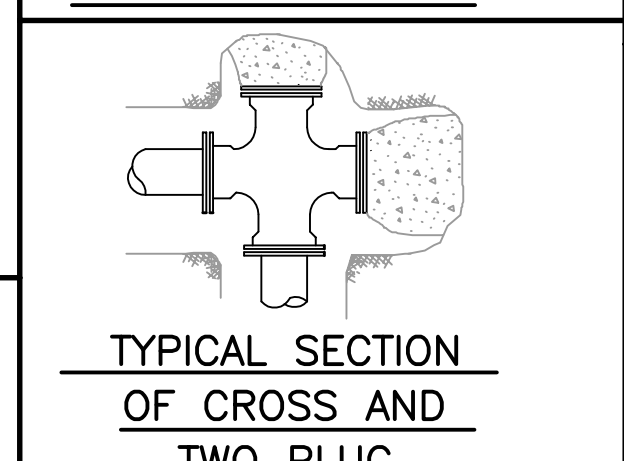
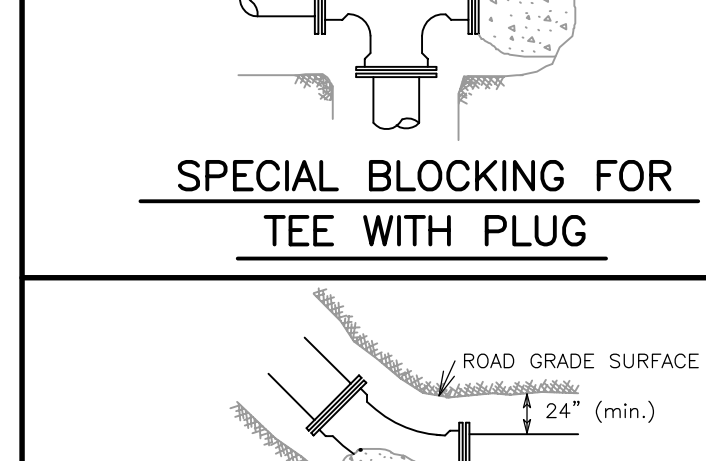
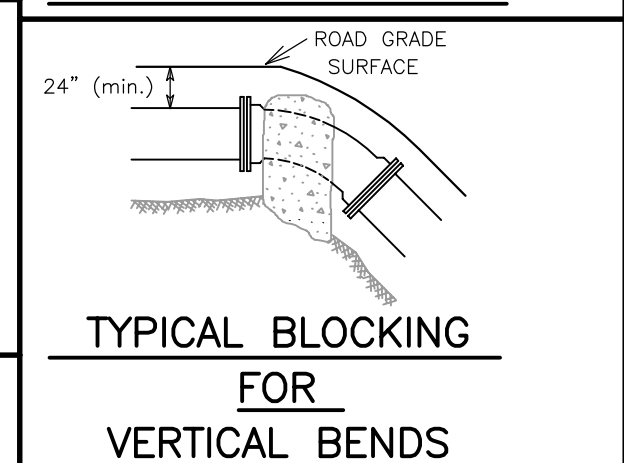
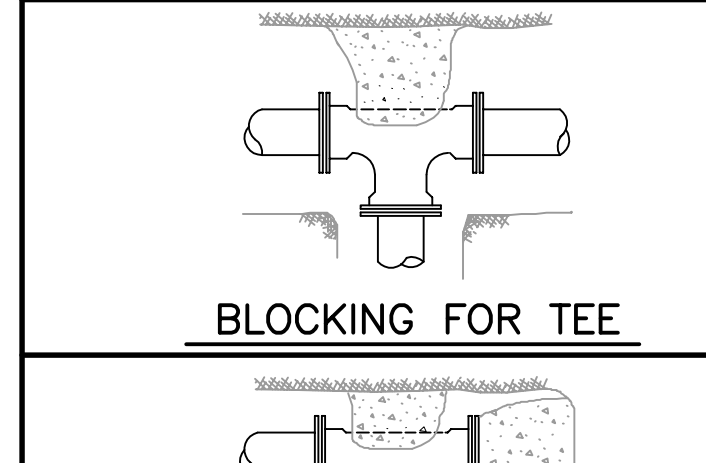
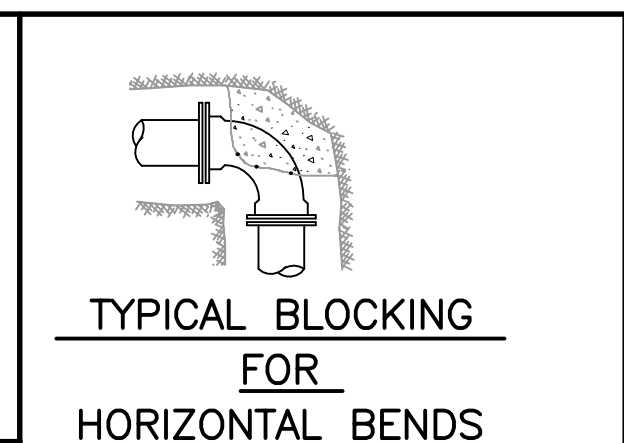
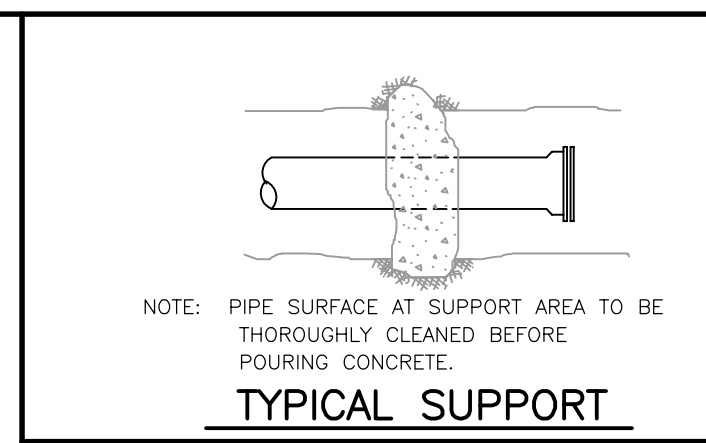
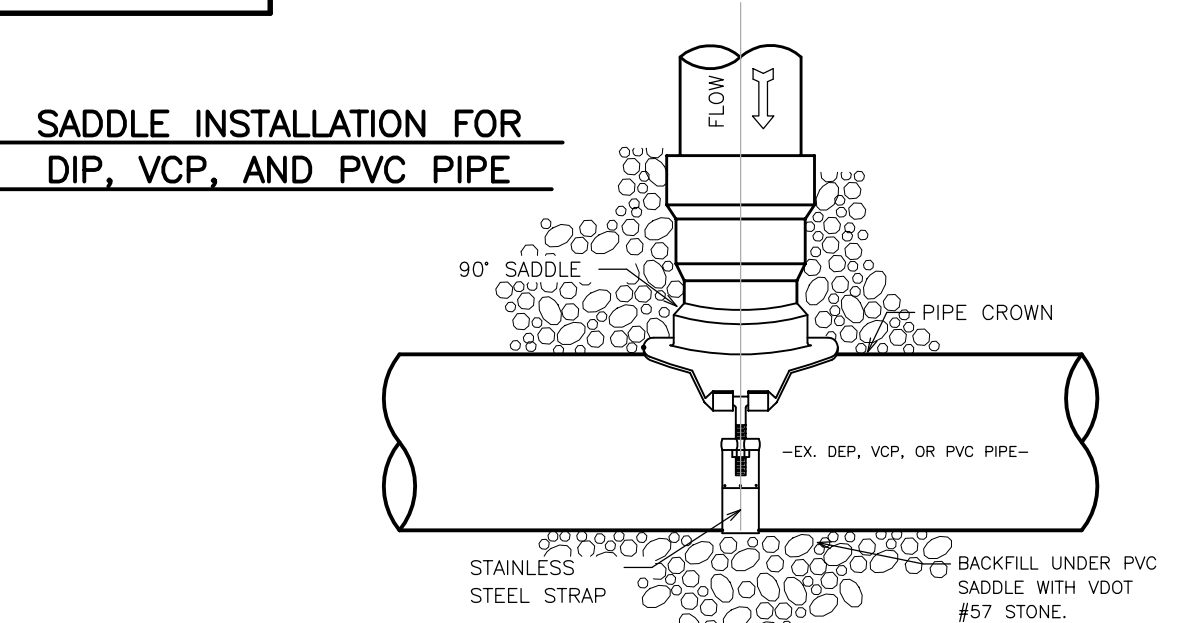
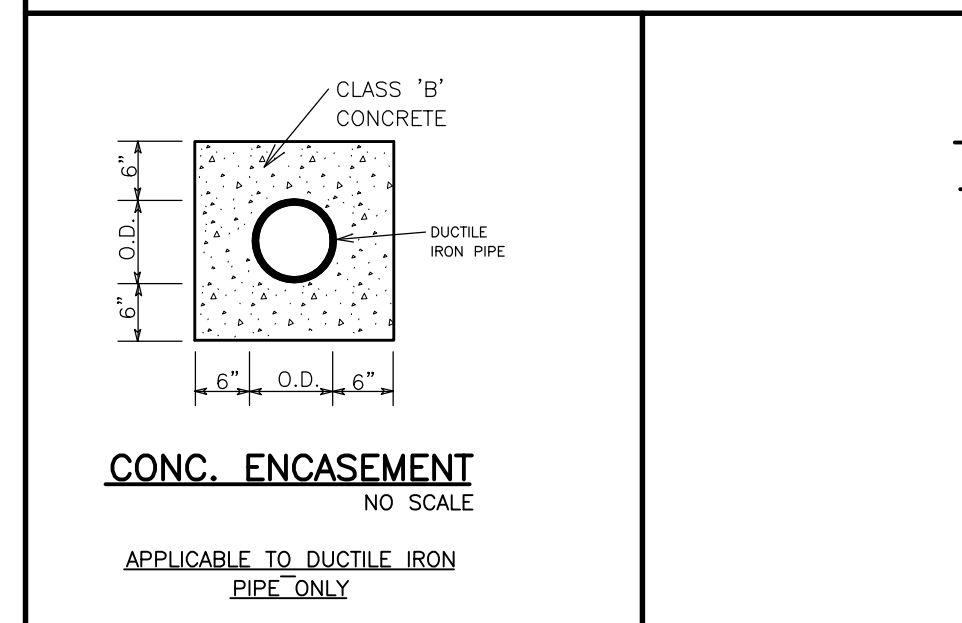
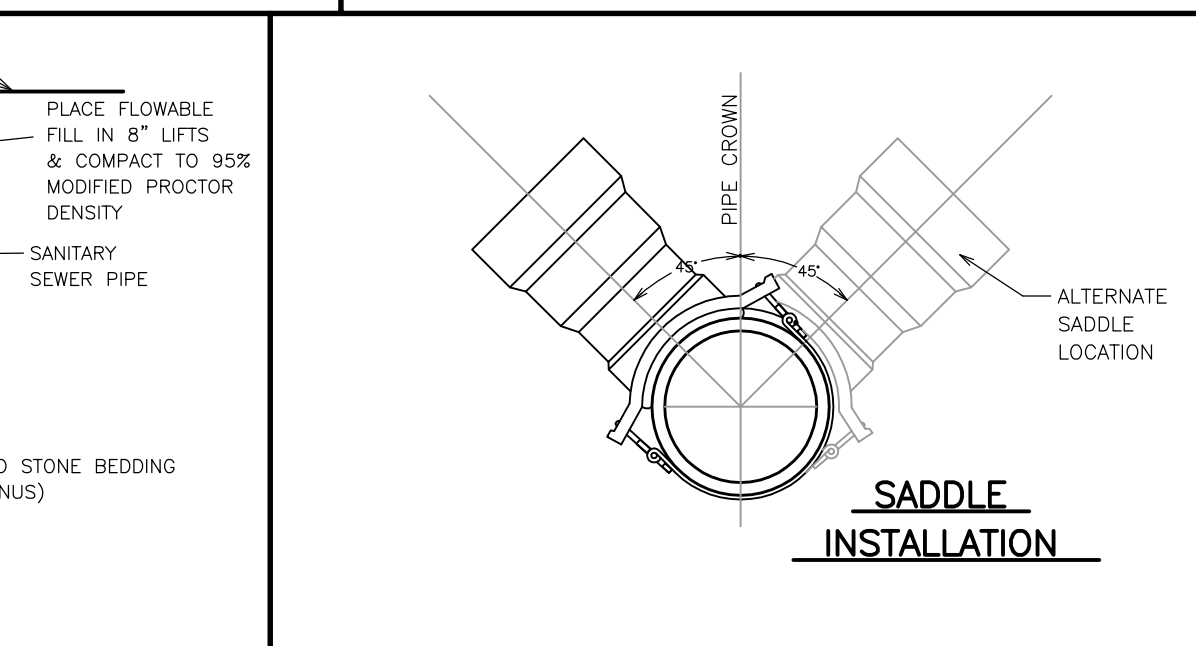
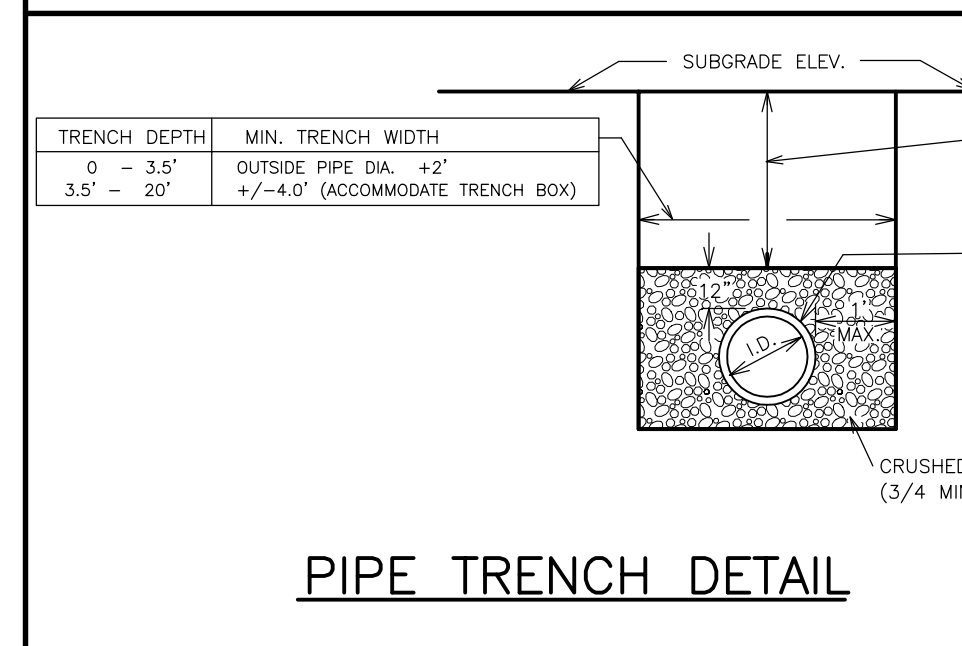
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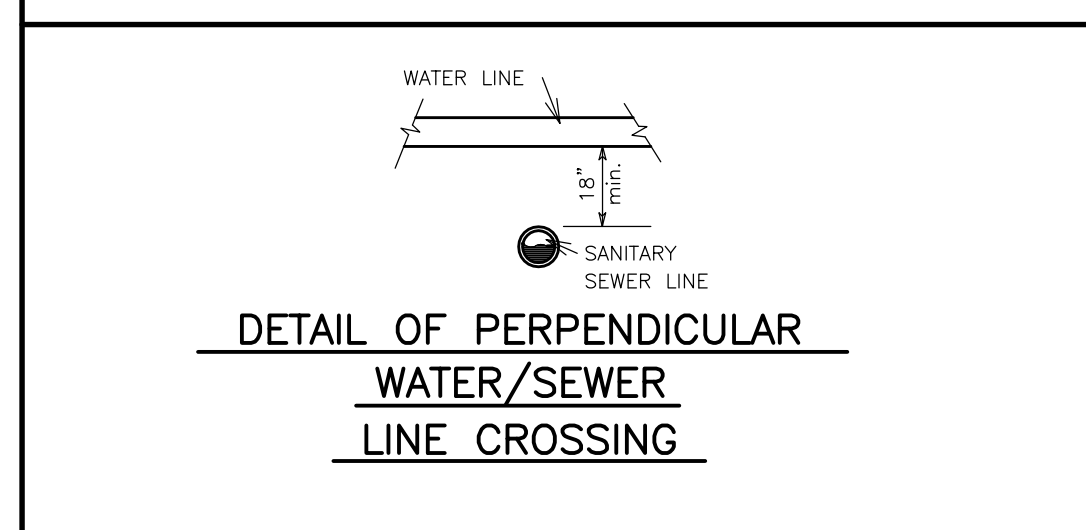
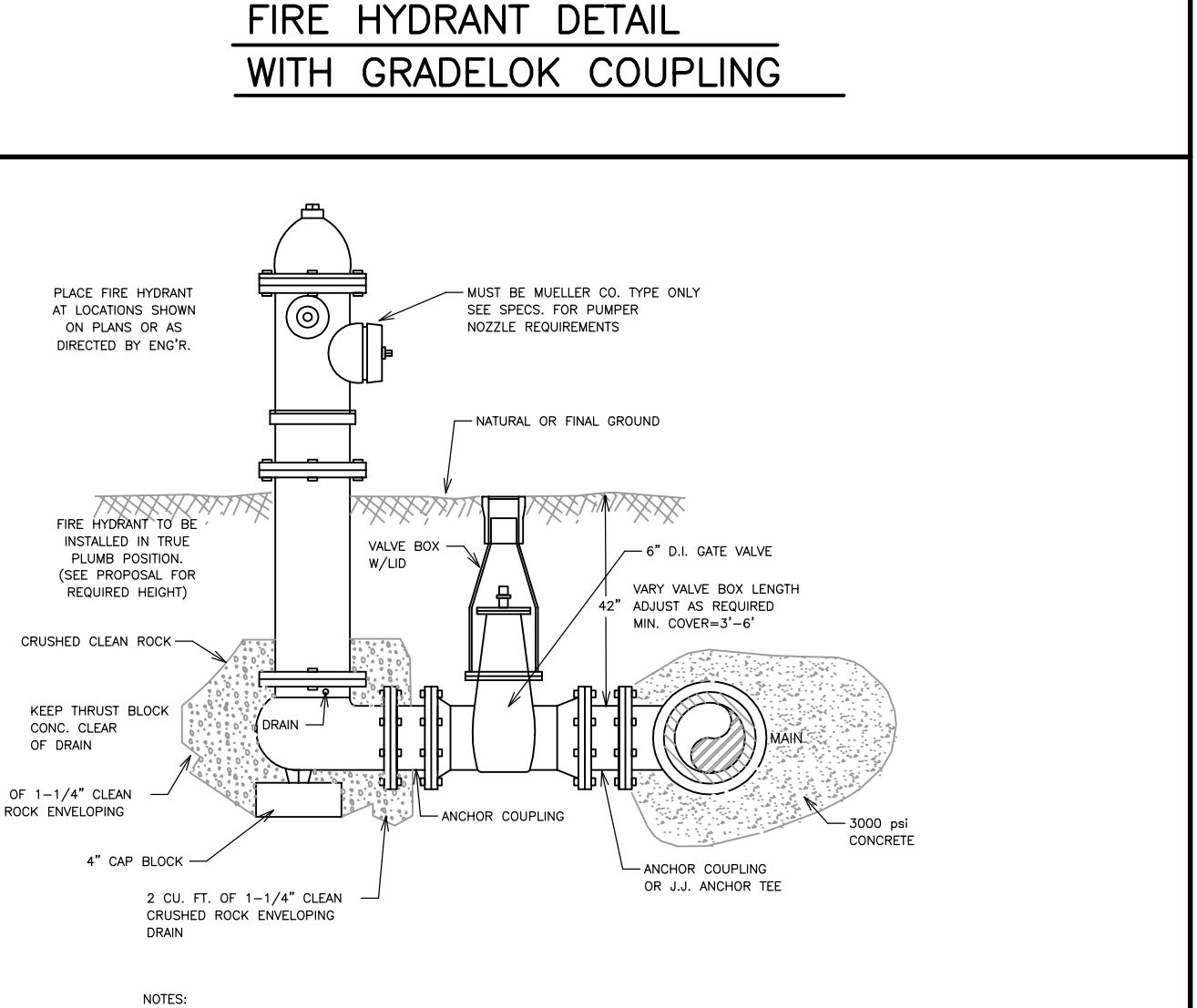
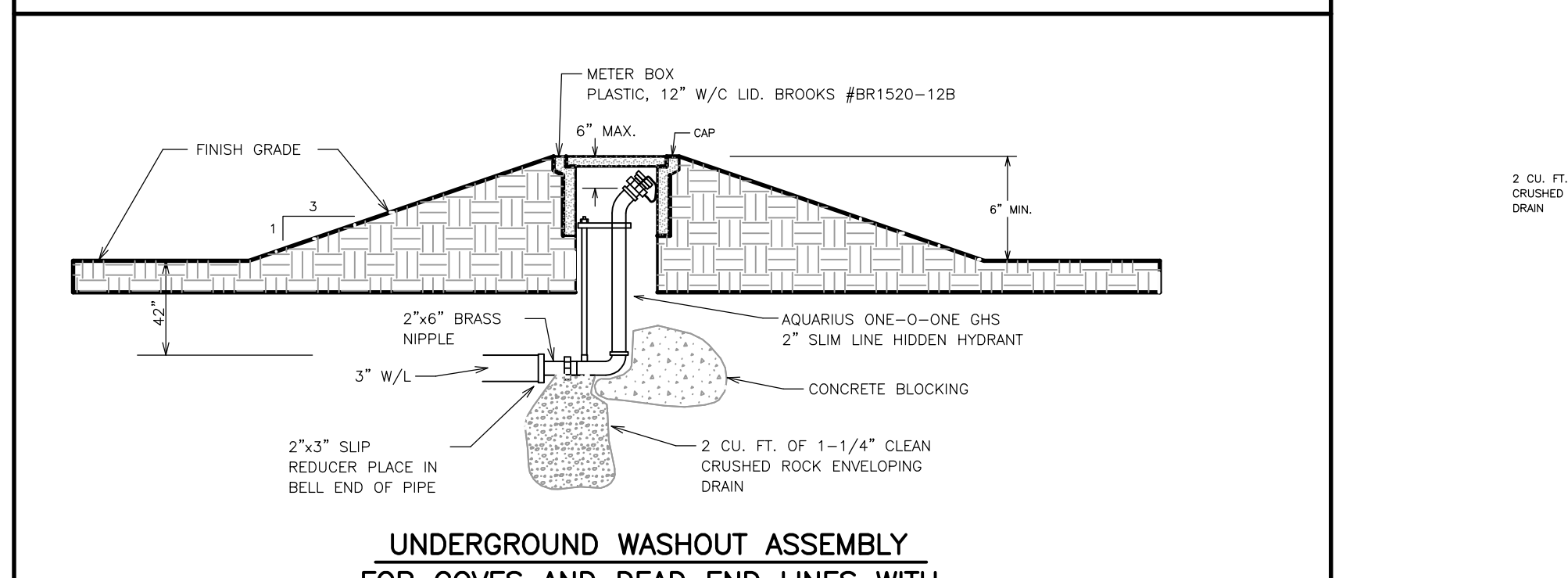
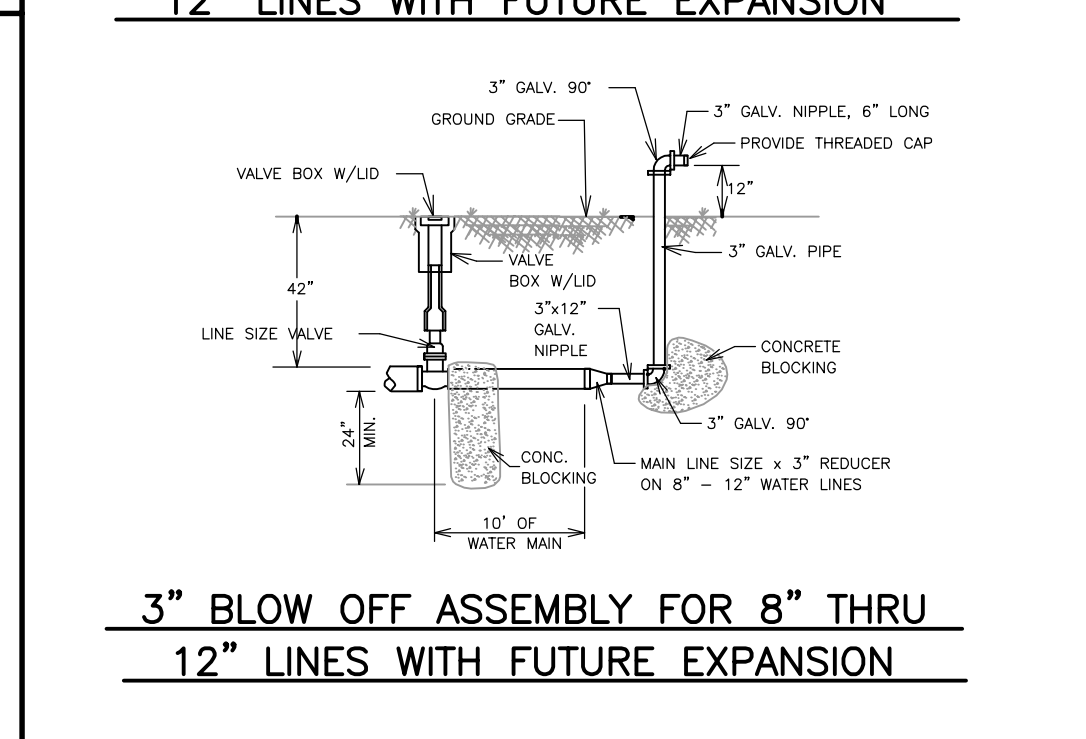
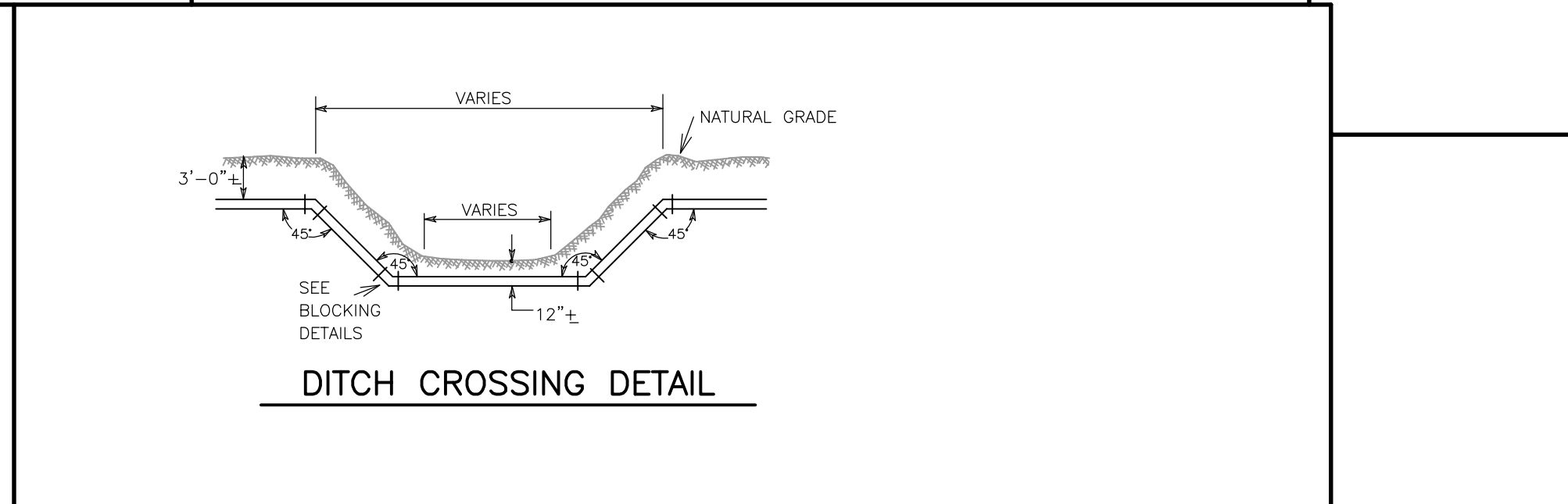
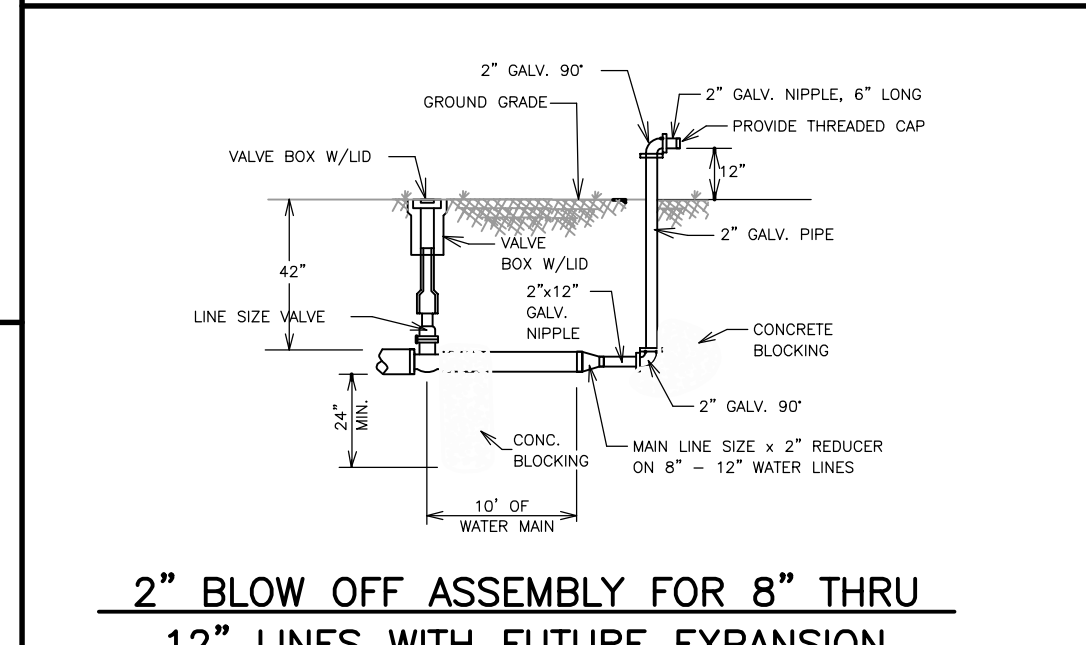
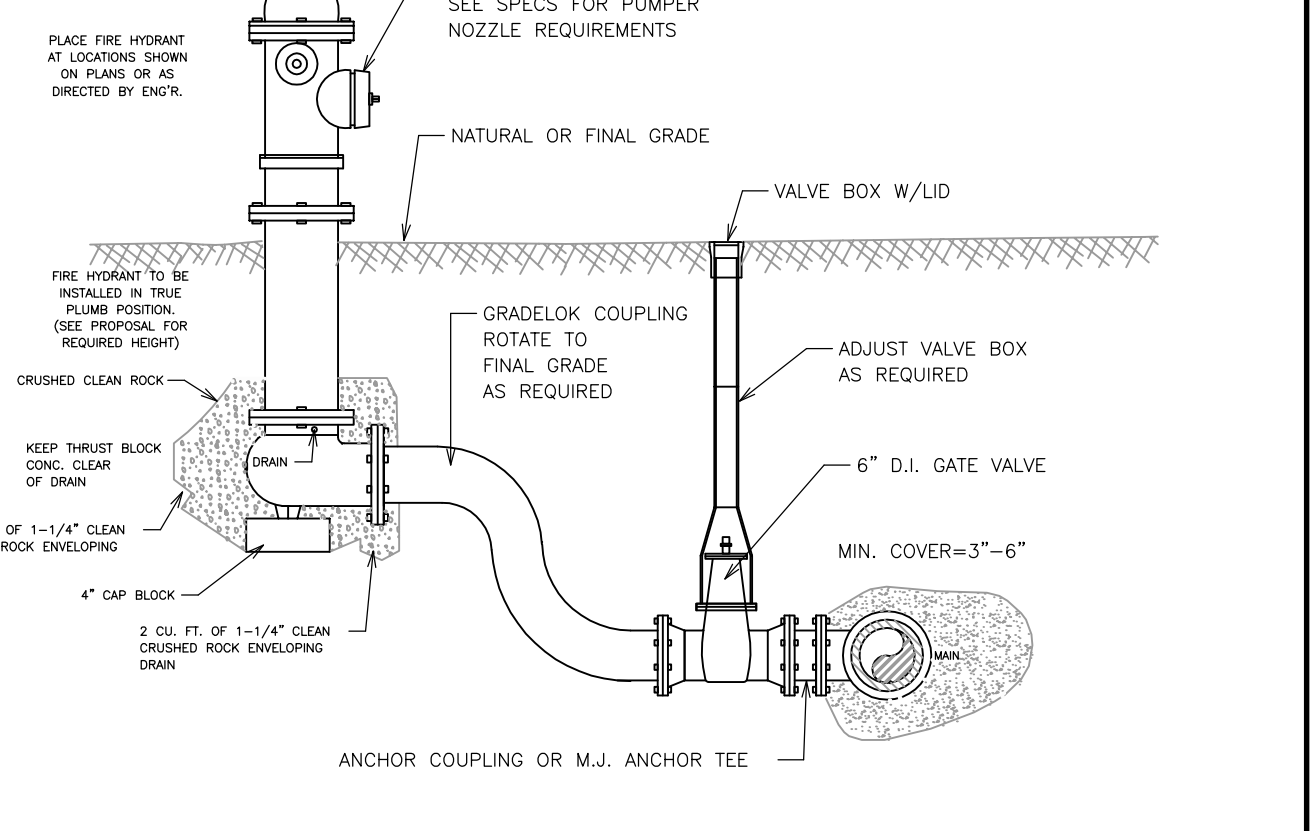
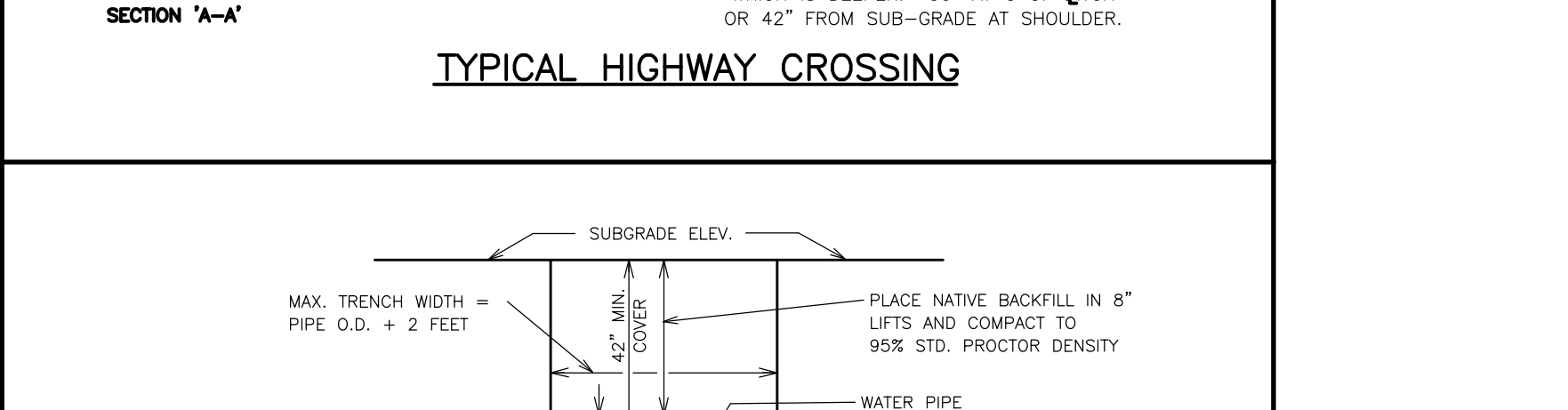
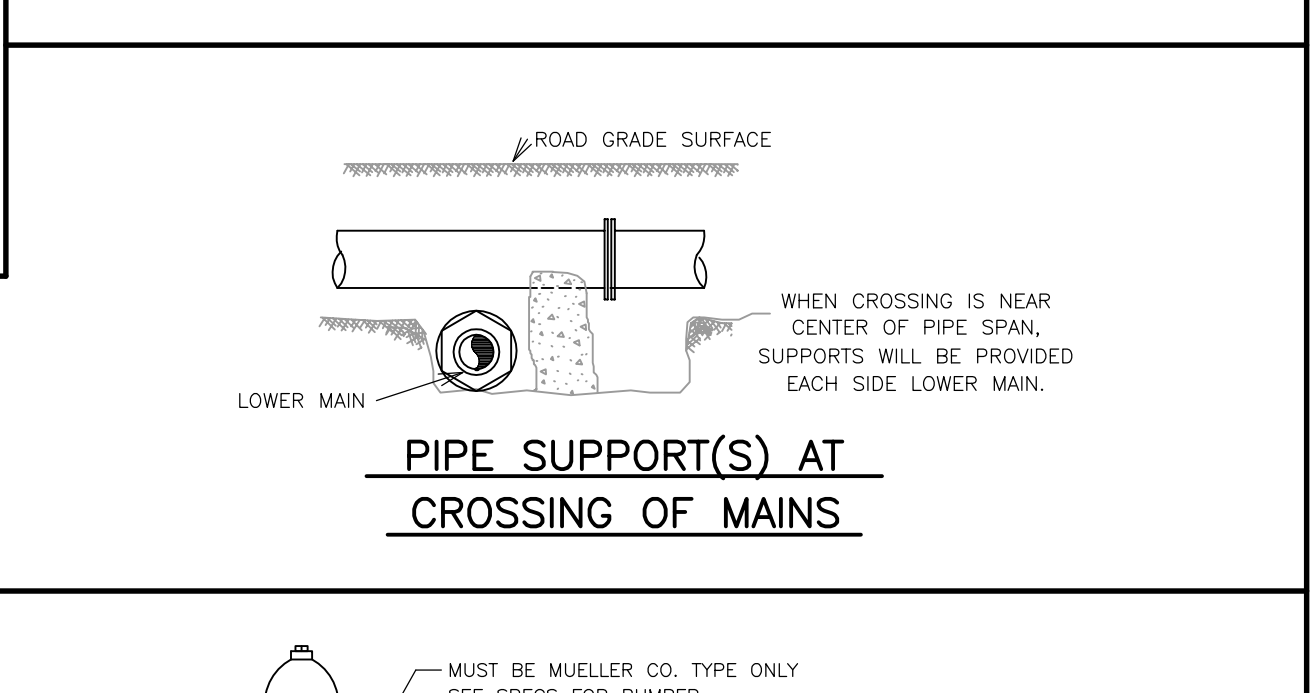
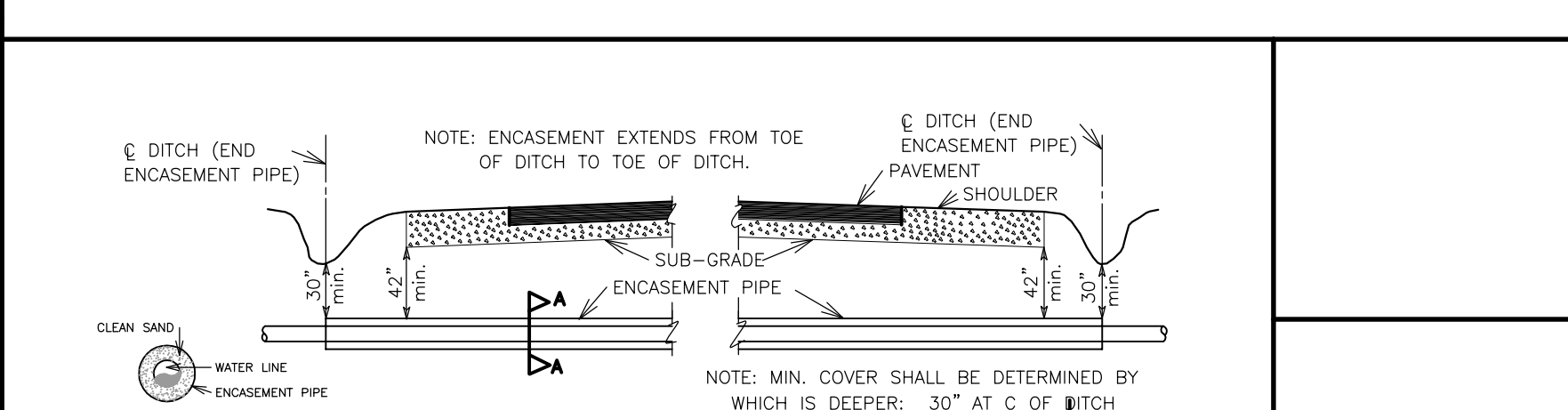
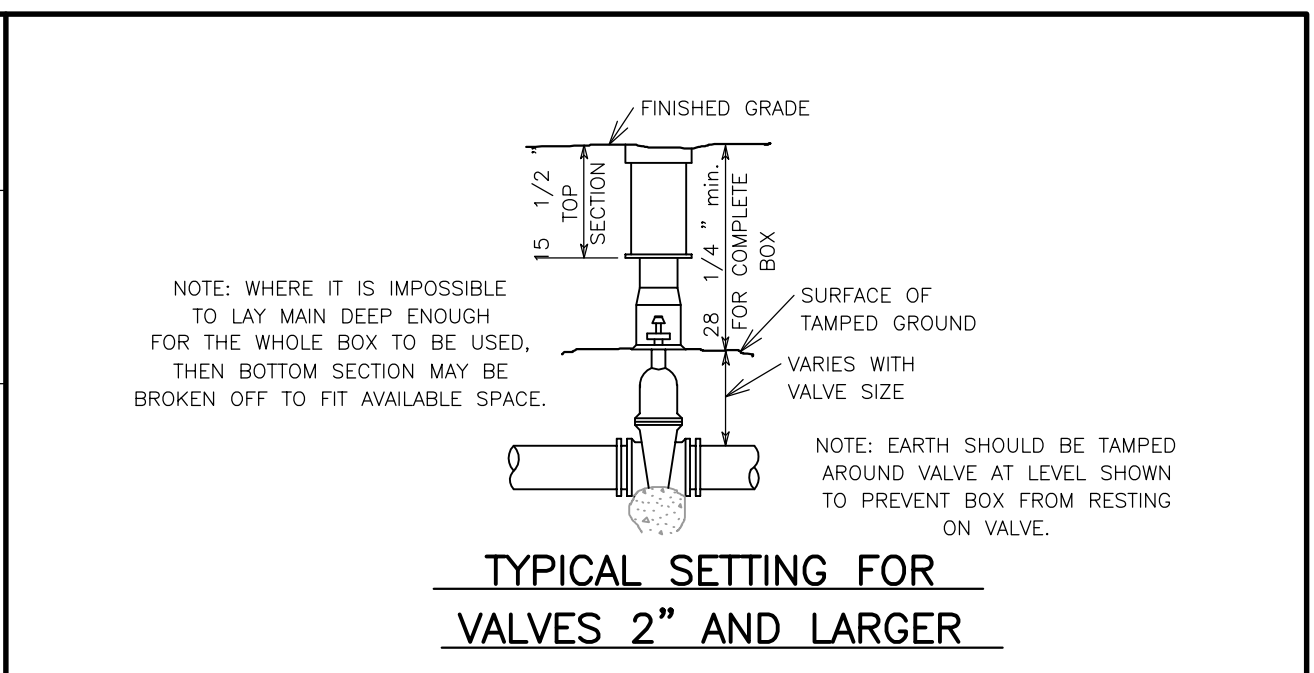
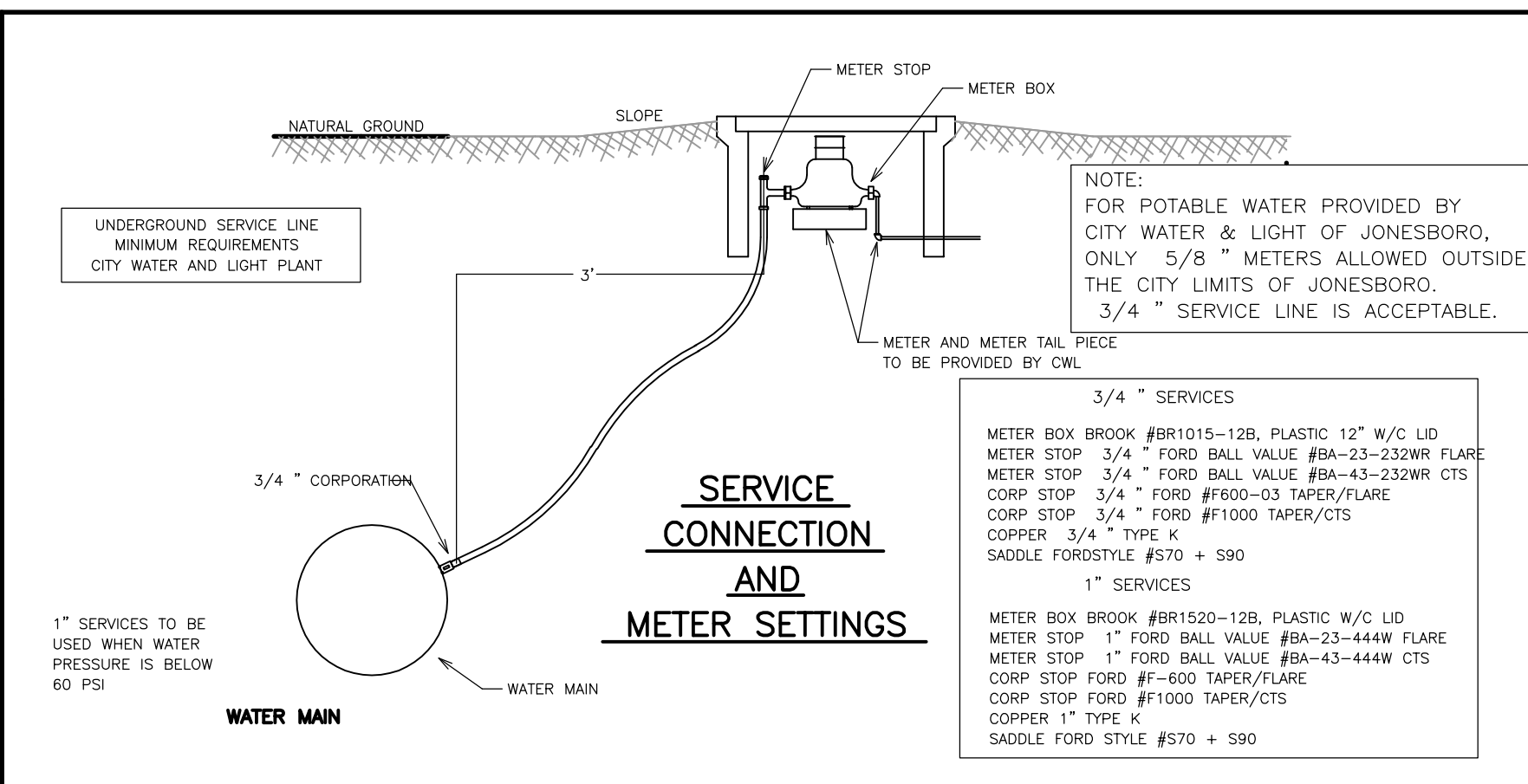
CIVILOGIC No. 329 ARKANSAS ENGINEER



**NOTE:**  
ALL SANITARY SEWER PIPE TO BE ASTM D-3034 SDR-35



- THRUST BLOCK DETAIL NOTES:**
1. ALL BLOCKING SHALL BE AGAINST UNDISTURBED HAND DUG SOIL.
  2. WHERE SOIL CONDITIONS MAKE IT NECESSARY TO POUR CONCRETE BLOCKING OVER JOINTS, THE ENDS OF THE ADJACENT PIPES MUST HAVE A BRACE BLOCK TO RESIST MOVEMENT OF THESE JOINTS.
  3. PLUGS SHALL BE COVERED WITH PAPER WHEN BLOCKING TO PREVENT BONDING OF CONCRETE.
  4. WHERE SHEAR IS HIGH PROPER REINFORCING MUST BE INSTALLED INTO THE BLOCKING AS DIRECTED BY ENGINEER.
  5. COVER SHALL BE A MINIMUM OF 3" BELOW NATURAL GRADE.
  6. CLEARANCE FROM OIL & GAS COMPANIES LINES SHALL BE A MINIMUM OF 18".
  7. THRUST BLOCKING DIMENSIONS SHALL BE 150% OF THE THRUST CALCULATED FROM THE FORMULA (THRUST=2 AP SIN<sup>2</sup> WHERE A=PIPE END AREA, P=PRESSURE PRODUCED BY PUMPING LIQUID, & =ANGLE OF BEND TO BE BLOCKED) AND SOIL BEARING CAPACITY OF 1500 PSF.
  8. ALL CONCRETE SHALL BE 3000 PSI AT 28 DAY STRENGTH.



**NOTE:**  
ALL WATER PIPE TO BE AWWA C-900 PRESSURE CLASS 150/DR 18

ENGINEERS	PLANNERS	SURVEYORS
<b>Civilogic</b>		
203 Southwest Dr. - Jonesboro, AR - (870)932-7880 - www.civilogic.net		
WATER DISTRIBUTION AND SANITARY SEWER CONSTRUCTION DETAILS FOR RITTER CENTRE JONESBORO, ARKANSAS FOR RITTER COMMUNICATIONS		
Date	Scale	Job No.
01-26-10	SHOWN	109026
Section	Township	County
29	14N	4E CRAIGHEAD
		Sheet No. 11 of 12
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CERTIFICATE OF AUTHORIZATION CIVILOGIC No. 329 ARKANSAS-ENGINEER

