

# BARRINGTON PARK

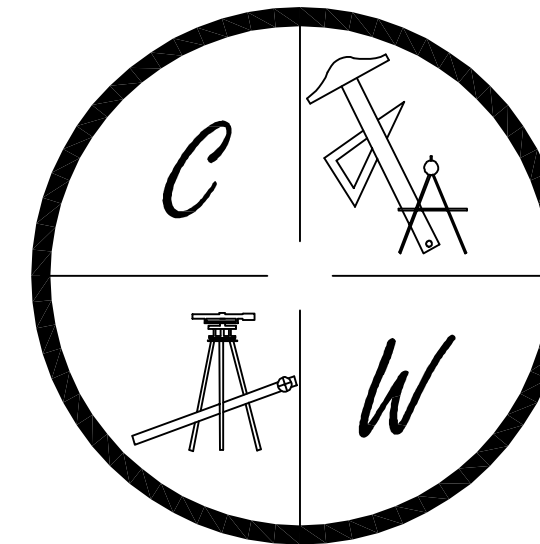
## PHASE V

JONESBORO, ARKANSAS

PRELIMINARY

STREET & DRAINAGE PLANS

MARCH 28, 2011

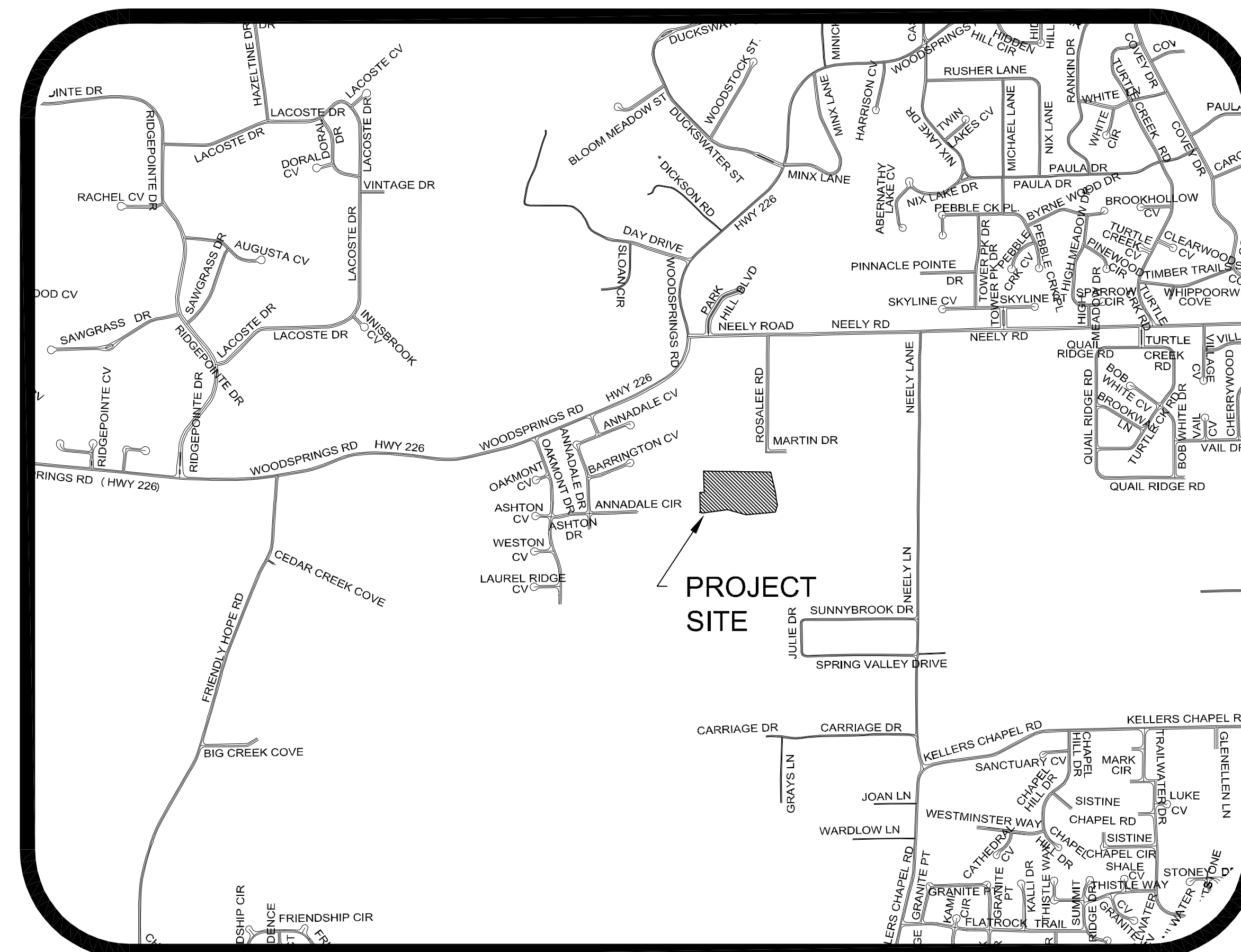


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### PROJECT VICINITY MAP

SCALE: 1" = 1000'



### SHEET LAYOUT

SHEET LAYOUT	
PLAT	
TOPOGRAPHY & DRAINAGE	STR-1
DRAINAGE AREA MAP	STR-2
ANNADALE CIRCLE PLAN & PROFILE	STR-3
FARMINGTON DRIVE & SWALE PLAN & PROFILE	STR-4
UTILITY PLAN	UTIL-1
EROSION CONTROL MAP	ECM-1
TYPICAL STREET DETAILS	DET-1



ARKANSAS ONE-CALL SYSTEM, INC.  
 1-800-482-8998 OR 811



# BARRINGTON PARK PHASE V

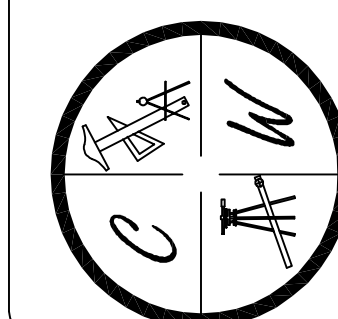
JONESBORO, AR  
TOPOGRAPHY, DRAINAGE,  
& GRADING PLAN

DATE: 3/28/11

REV:

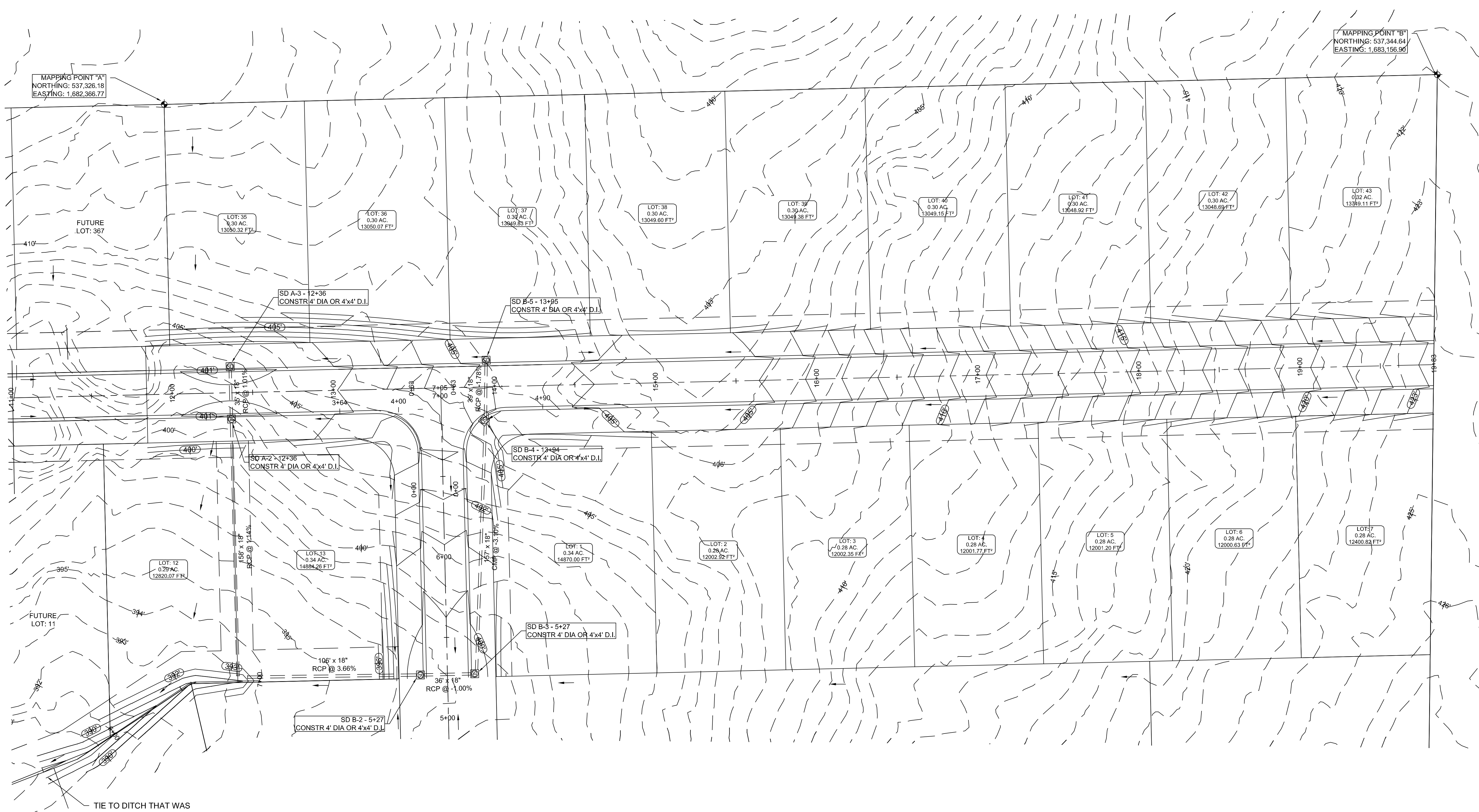
DRAWN BY: BCM

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MAPPING POINT "A"  
NORTHING: 537,326.18  
EASTING: 1,682,366.77

MAPPING POINT "B"  
NORTHING: 537,344.64  
EASTING: 1,683,156.90



TIE TO DITCH THAT WAS  
CONSTRUCTED UNDER PHASE 4

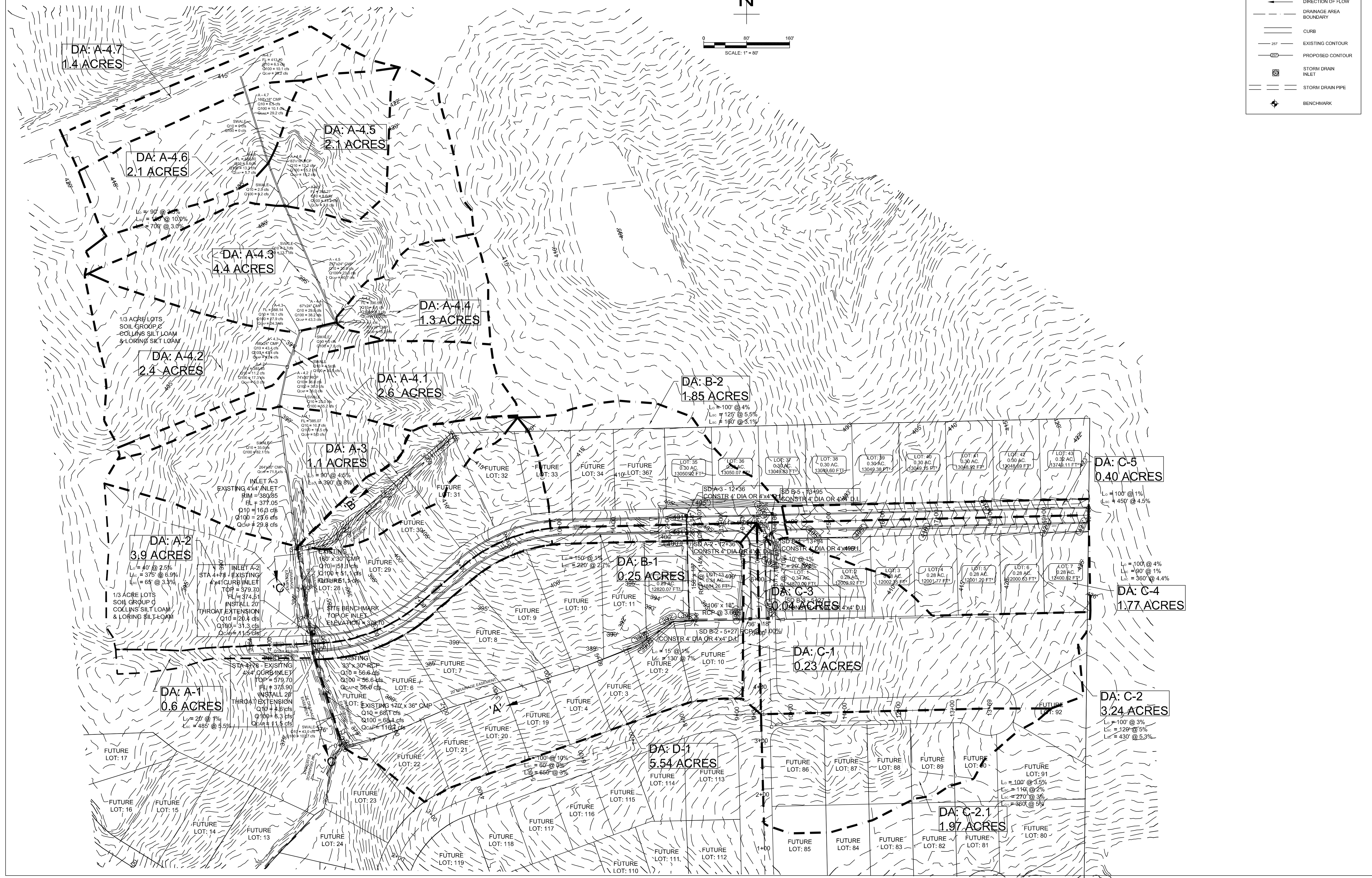
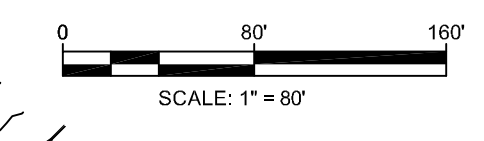
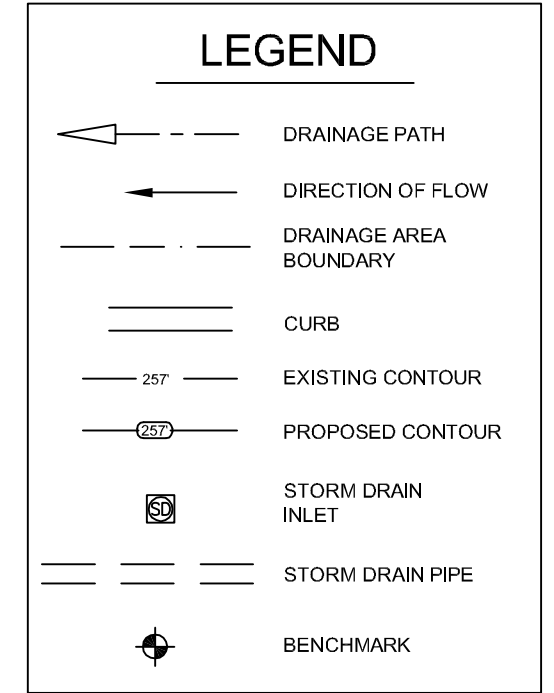
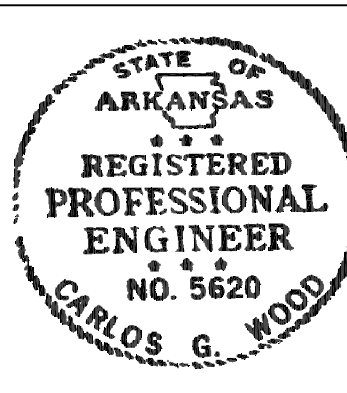
LEGEND	
	CURB
	EXISTING CONTOUR
	PROPOSED CONTOUR
	STORM DRAIN INLET
	STORM DRAIN PIPE
	BENCHMARK

**NOTE:**  
DEVELOPER SHALL OBTAIN GRADING PERMIT FROM THE CITY OF JONESBORO ENGINEERING DEPARTMENT PRIOR TO COMMENCING EARTHWORK AND/OR CLEARING OPERATIONS.  
DEVELOPER SHALL OBTAIN REQUIRED ADEQ PERMIT PRIOR TO COMMENCING WORK ON THE SITE, PREPARE A SWPP PLAN, AND DISPLAY THEM FOR PUBLIC ACCESS AT THE SITE.

**SURVEY CONTROL REFERENCE MARKS:**  
 • JONESBORO MONUMENT # 89  
 • JONESBORO MONUMENT # 43  
 VERTICAL CONTROL IS NAVD 88  
 HORIZONTAL CONTROL IS NAD 83

SURVEY CONTROL REFERENCE MARKS:  
 • JONESBORO MONUMENT # 89  
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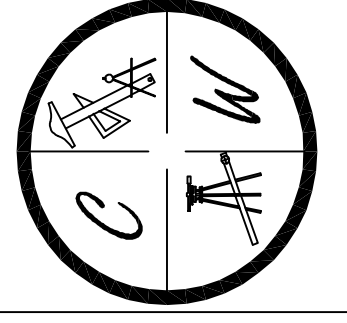
STR-2

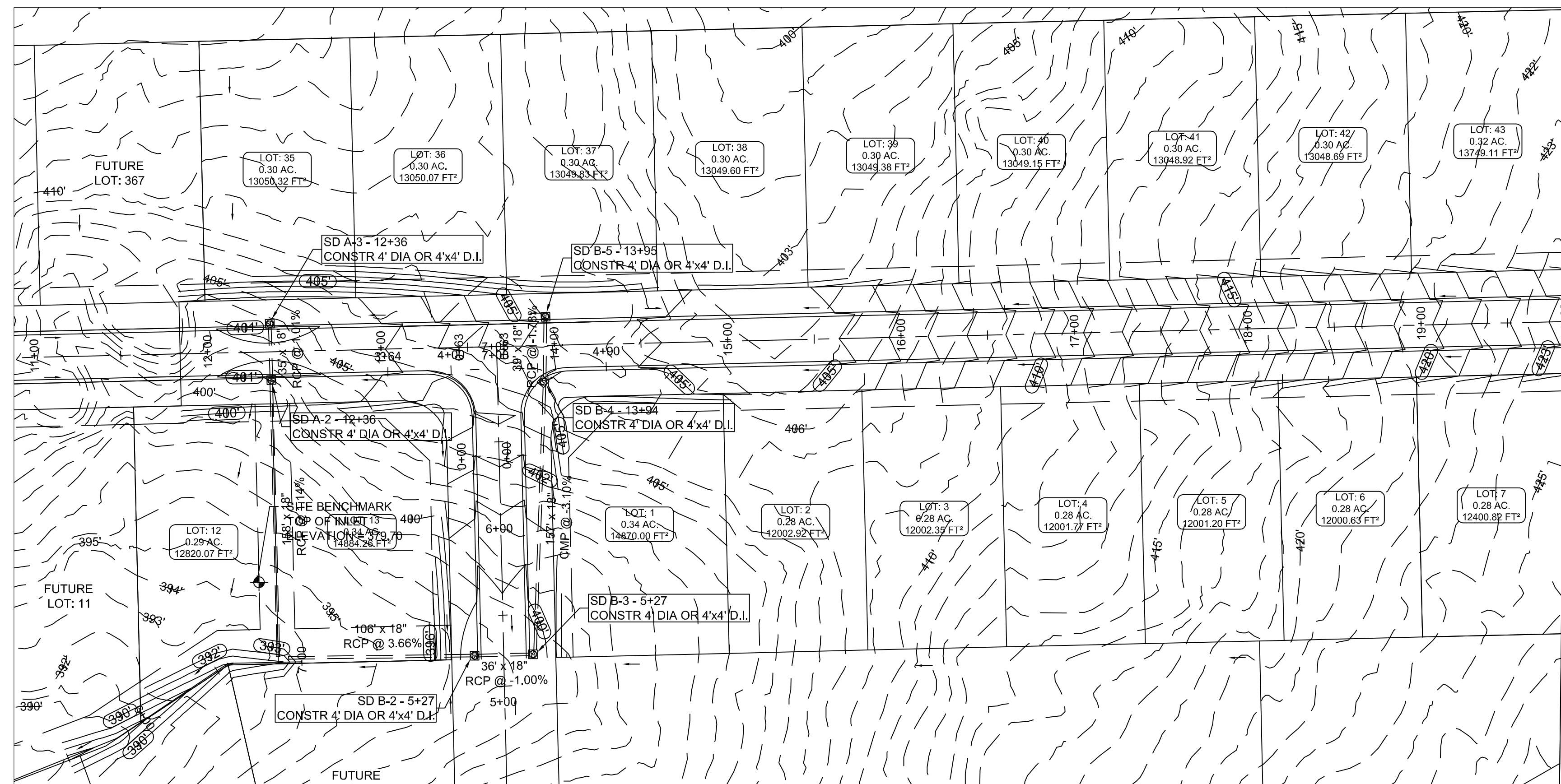


**BARRINGTON PARK PHASE V**  
 JONESBORO, AR  
 DRAINAGE AREA  
 MAP

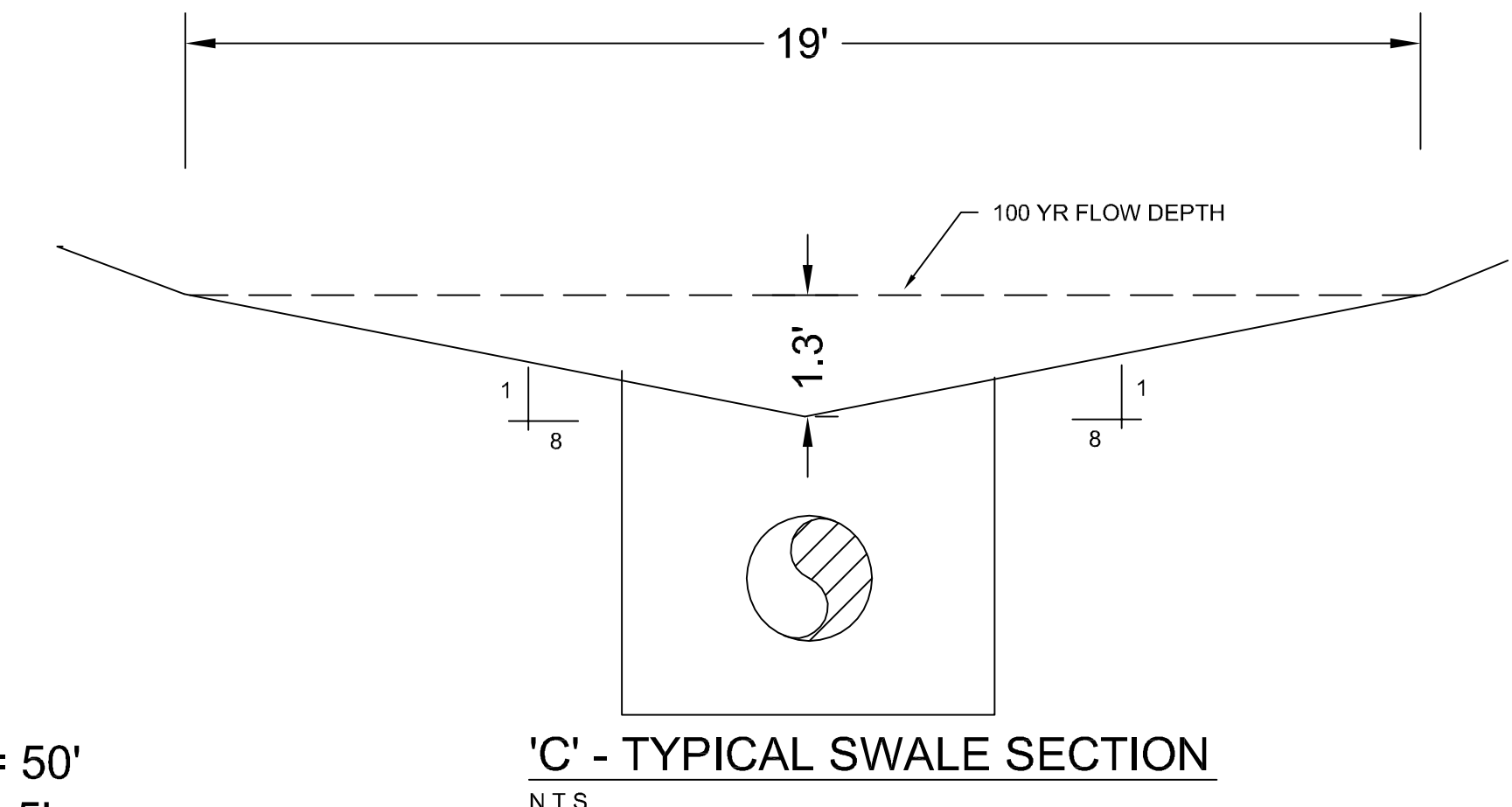
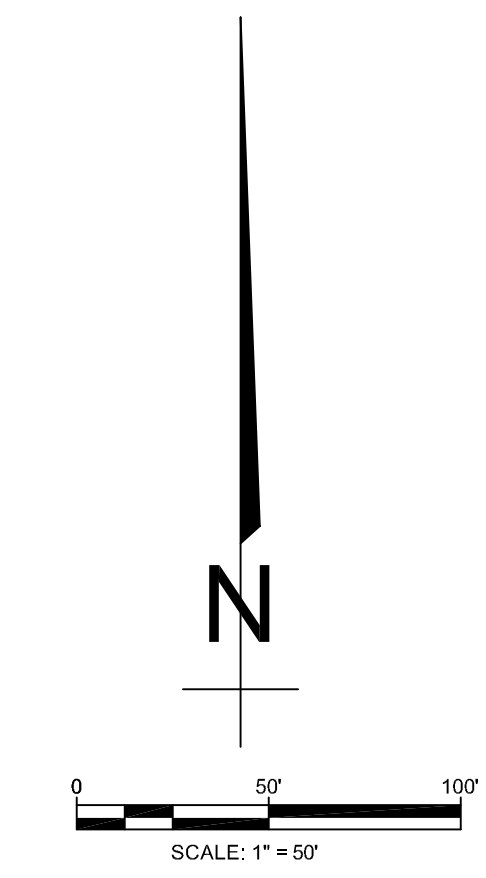
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 REV:  
 DRAWN BY: BCM

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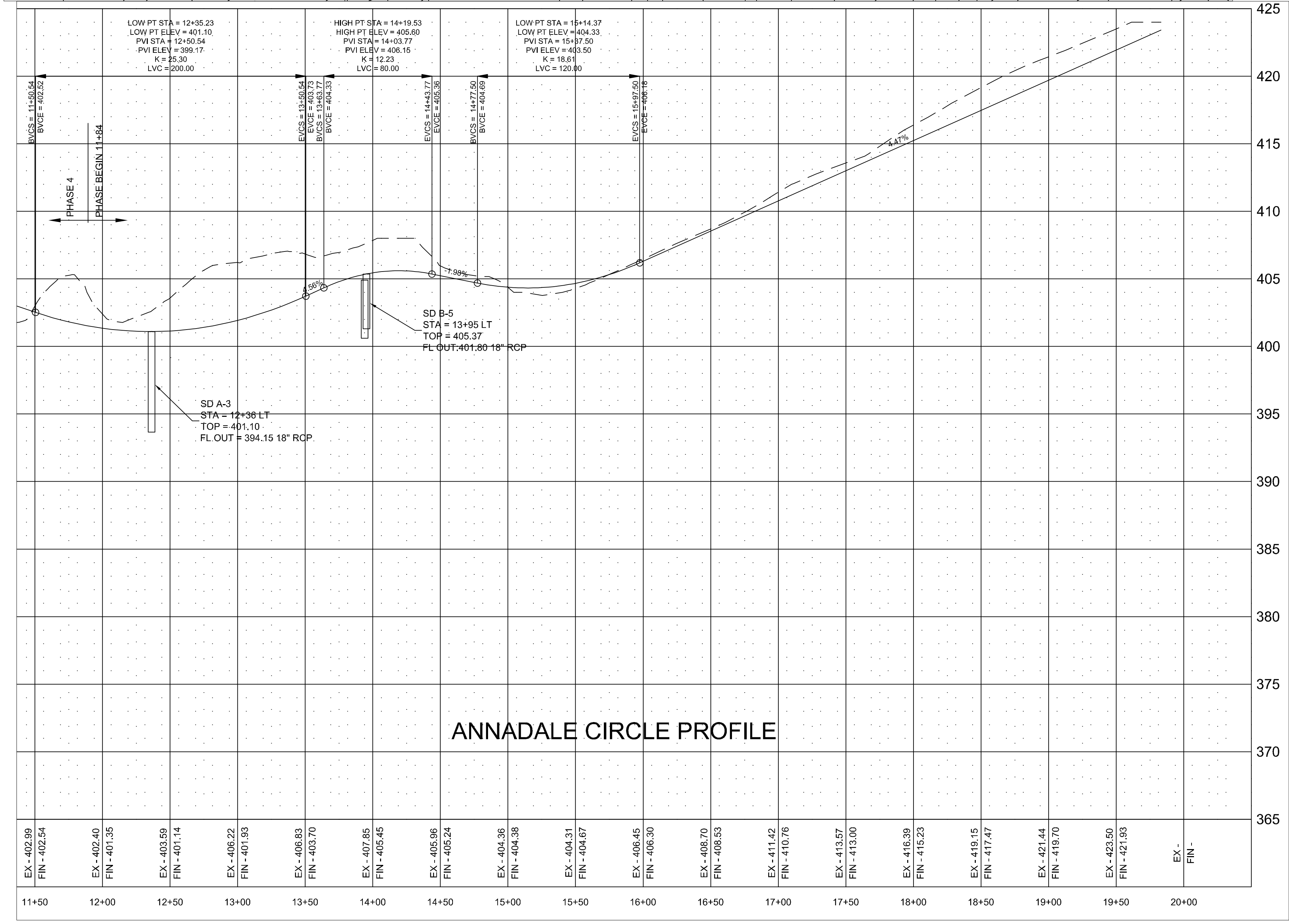




LEGEND	
—	CURB
---	EXISTING CONTOUR
- - -	PROPOSED CONTOUR
⊗	STORM DRAIN INLET
—	STORM DRAIN PIPE



PROFILE SCALE:  
 HORIZONTAL: 1" = 50'  
 VERTICAL: 1" = 5'

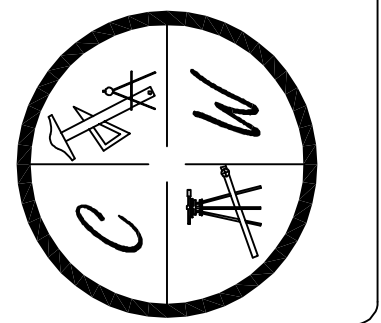


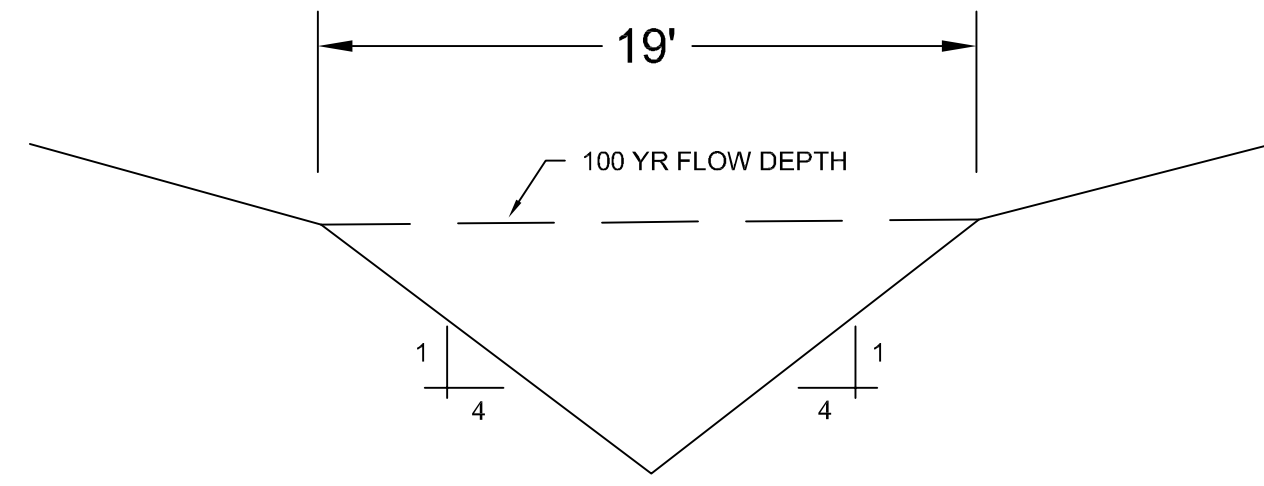
STR-3

**BARRINGTON PARK PHASE IV**  
 ANNADALE CIRCLE  
 JONESBORO, AR  
 PLAN & PROFILE

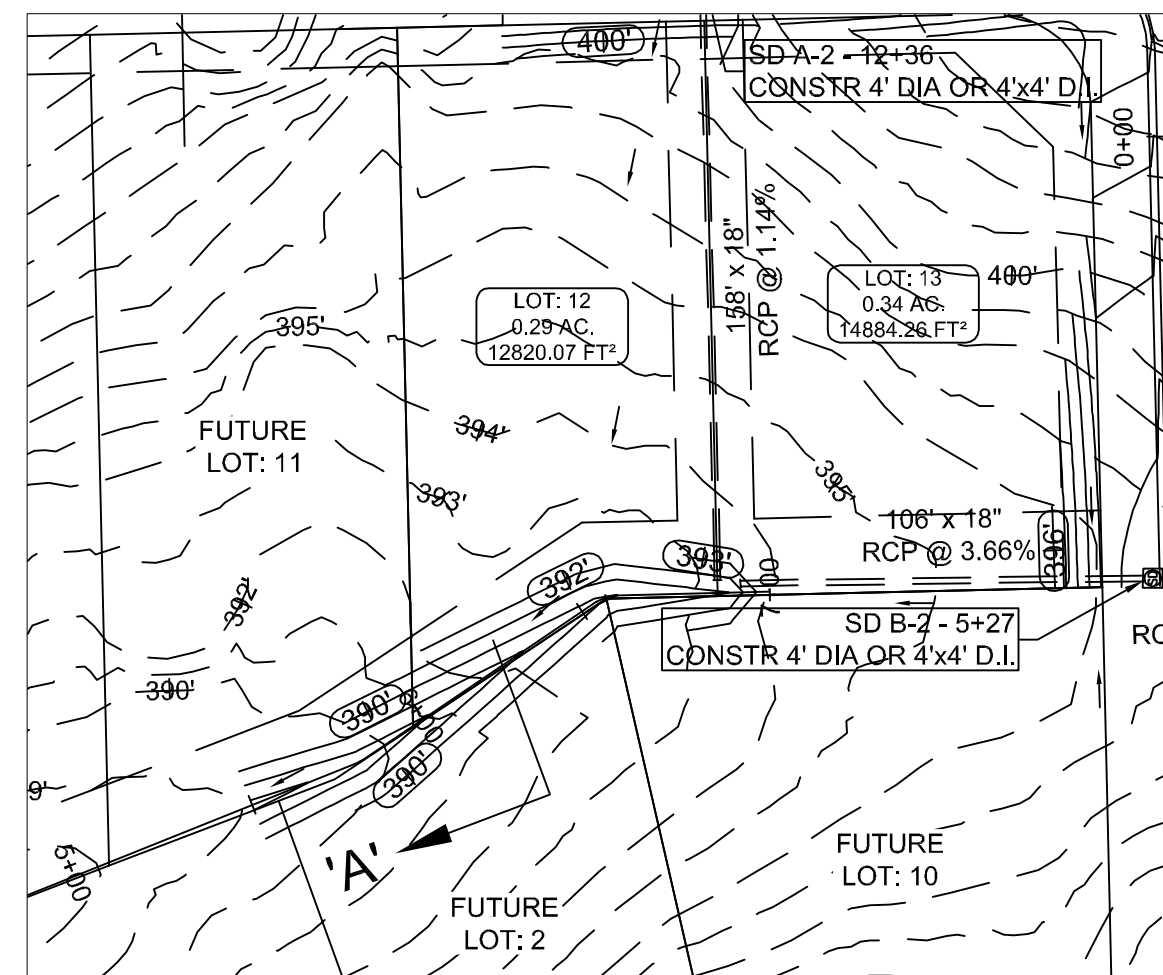
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 REV:  
 DRAWN BY: BCL

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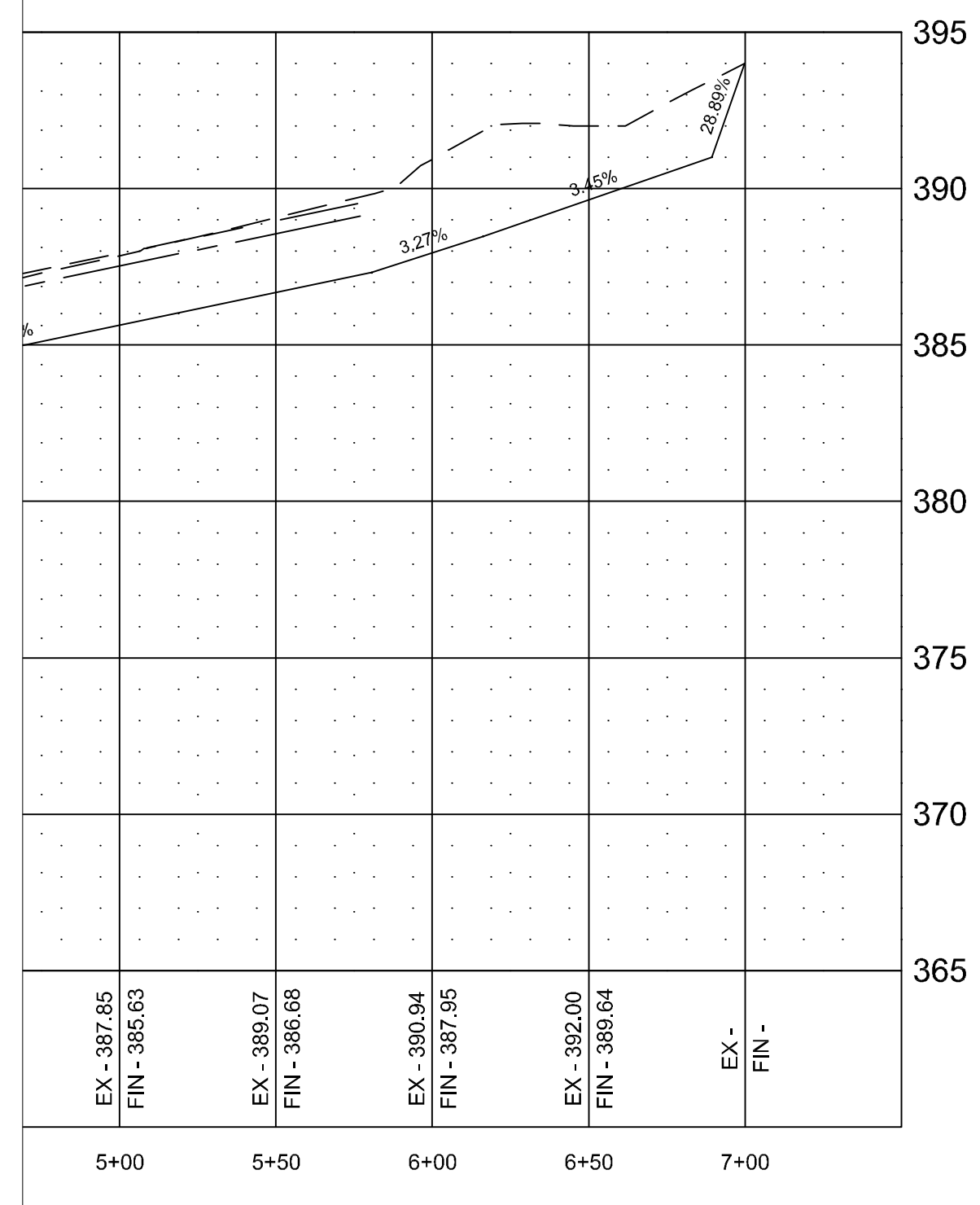


'A' - TYPICAL SWALE SECTION  
N.T.S.

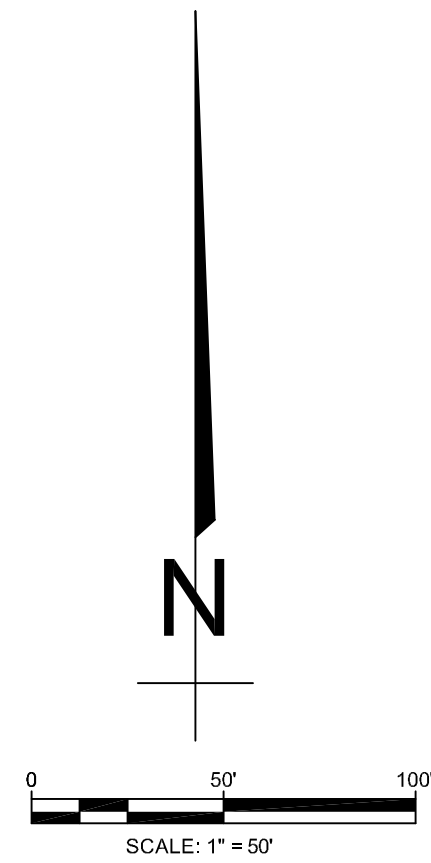


PROFILE SCALE:

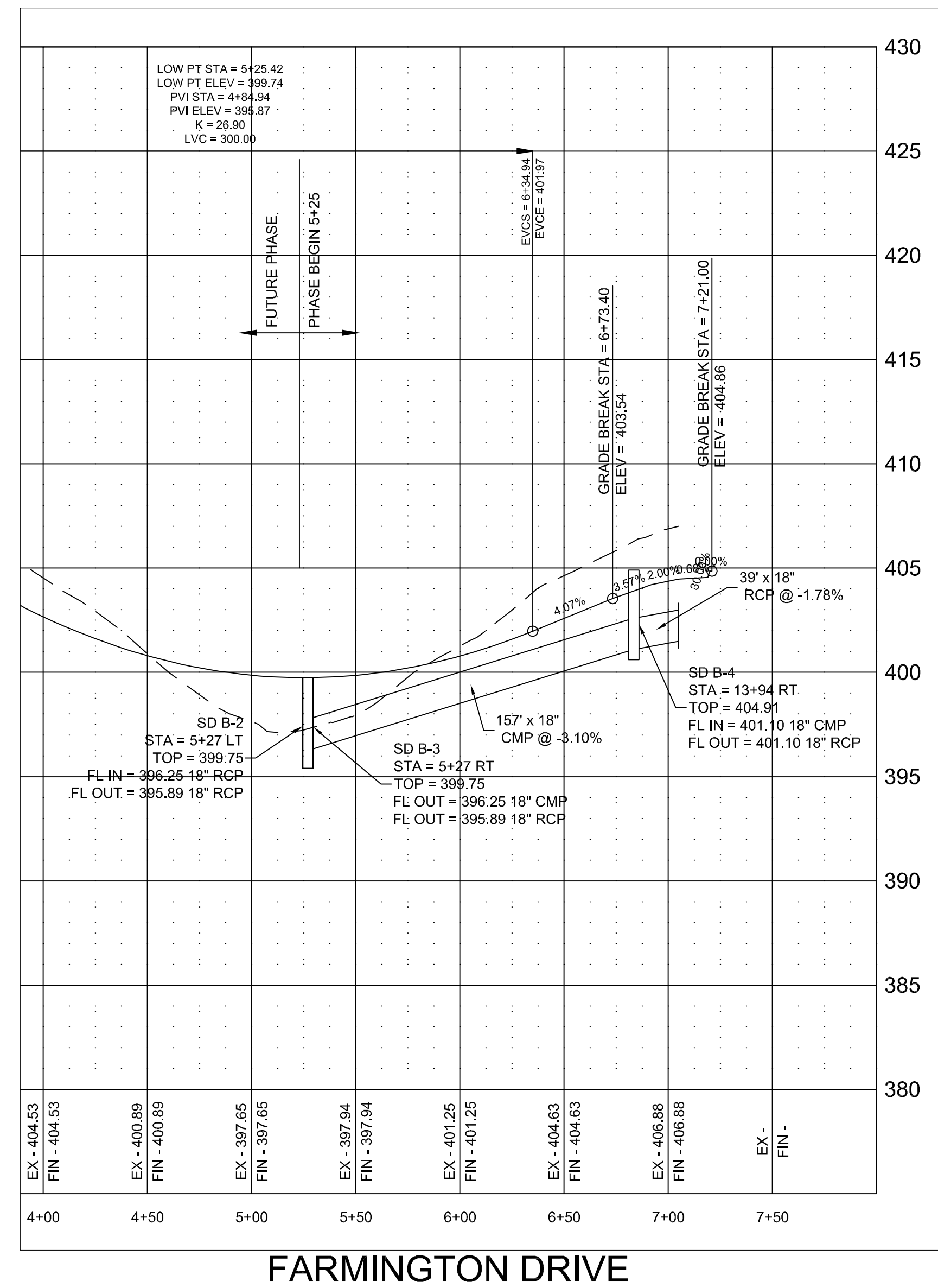
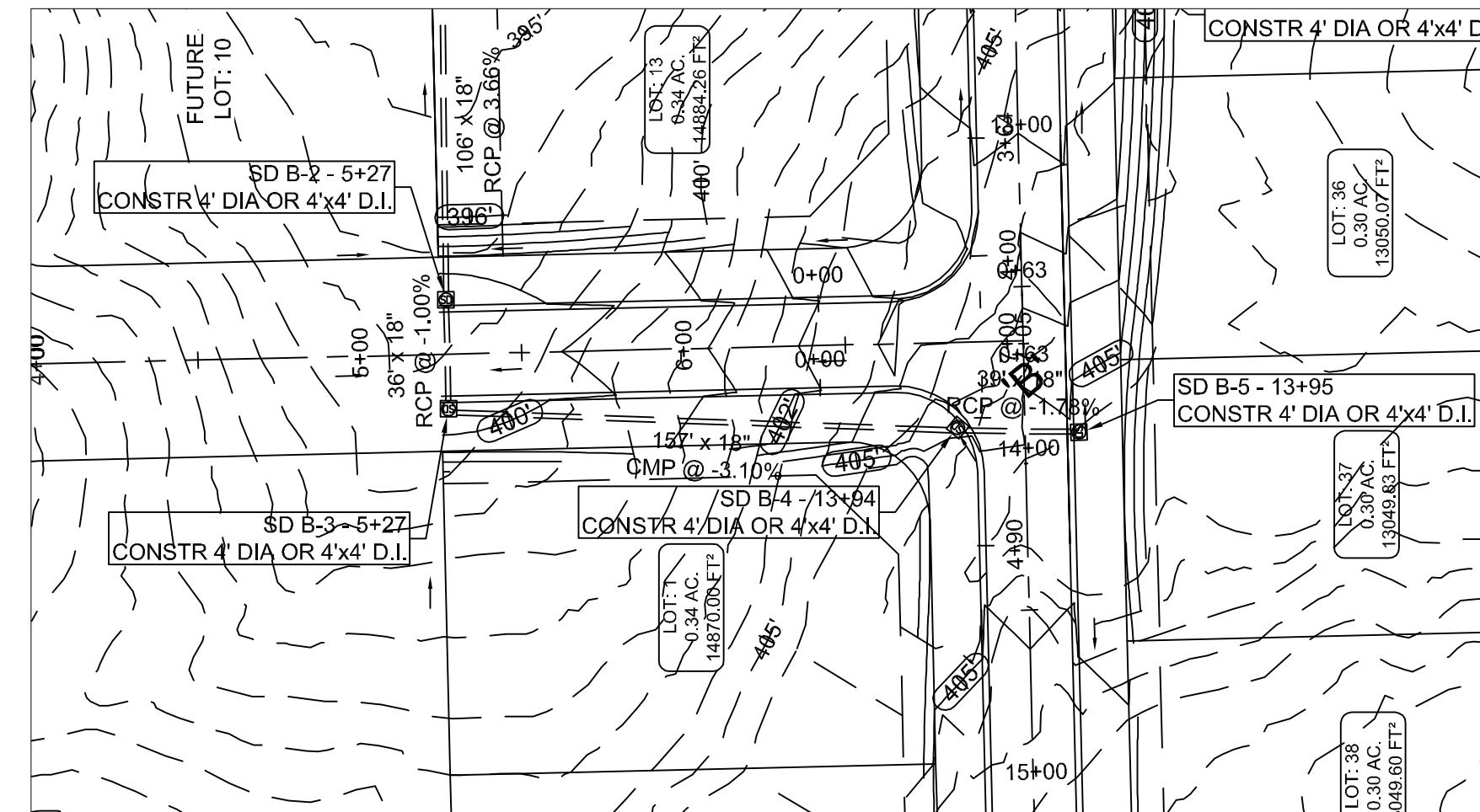
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = 5'



'A' - LOTS 11 - 13 REAR SWALE



LEGEND	
	CURB
	EXISTING CONTOUR
	PROPOSED CONTOUR
	STORM DRAIN INLET
	STORM DRAIN PIPE



FARMINGTON DRIVE

STR-4



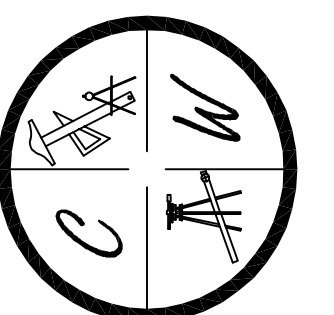
**BARRINGTON PARK PHASE V**  
FARMINGTON DRIVE & SWALE  
PLAN & PROFILE

**JONESBORO, AR**

DATE: 3/28/11  
REV: 10/8/10

DRAWN BY: BCI

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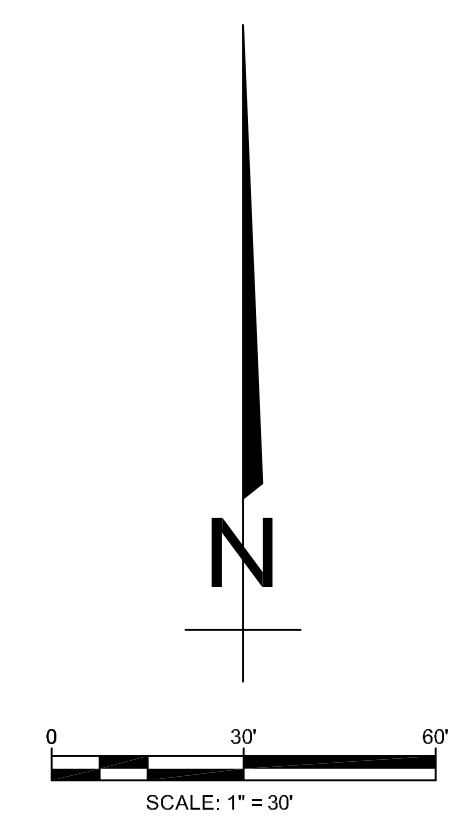
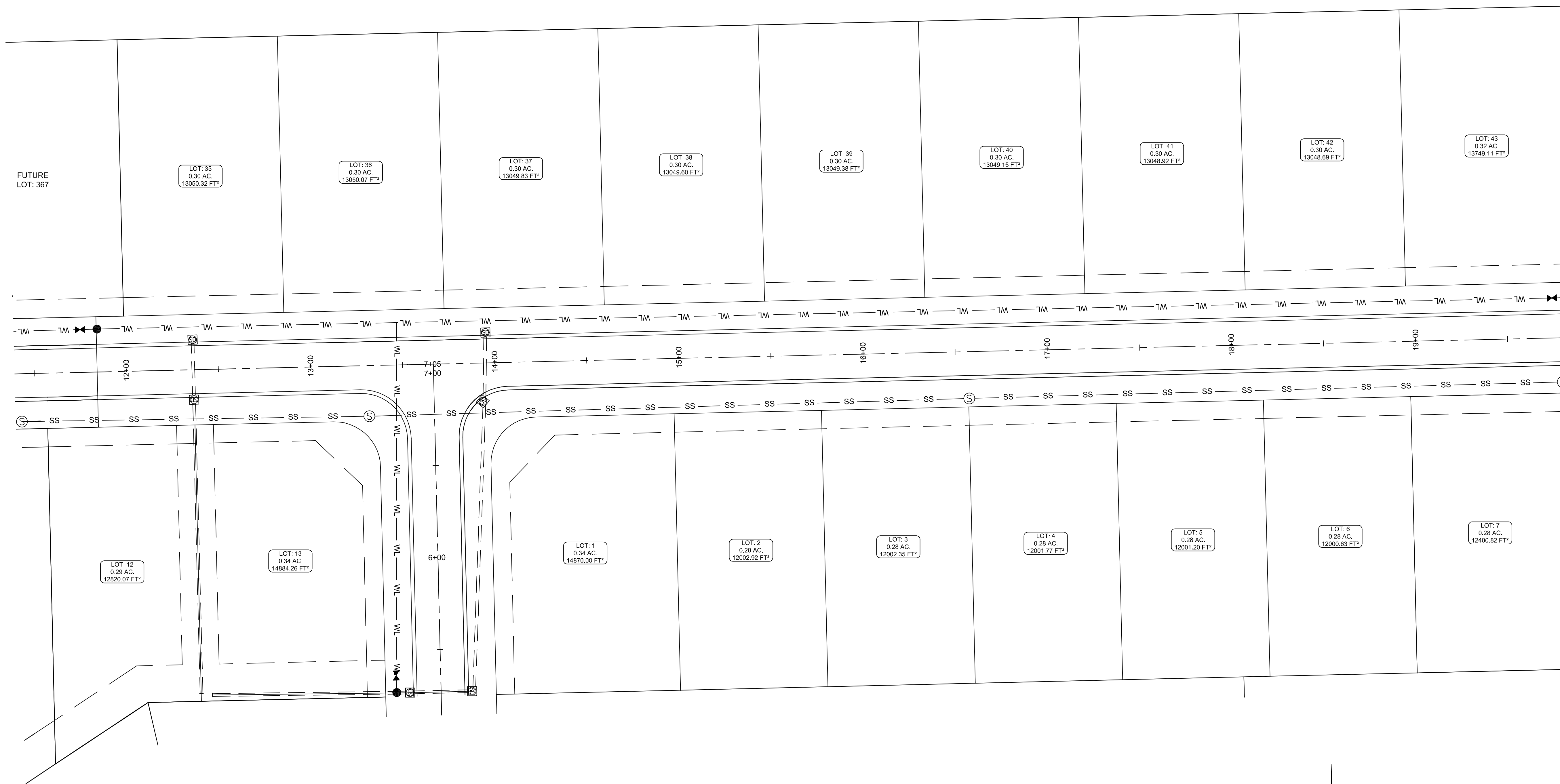
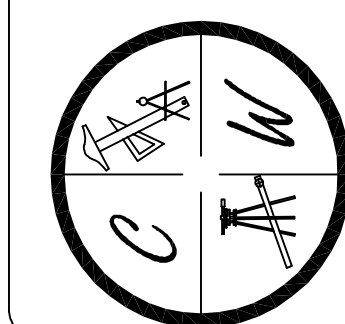
JONESBORO, AR  
PROPOSED  
UTILITY LAYOUT

DATE: 3/28/11

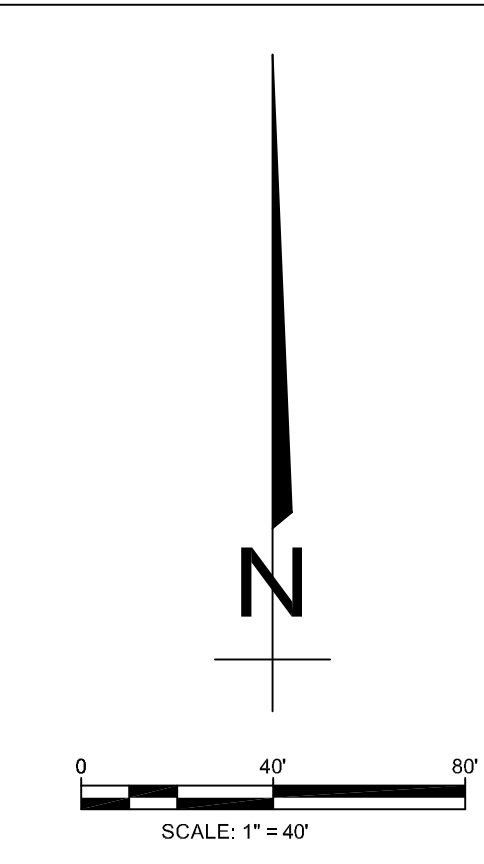
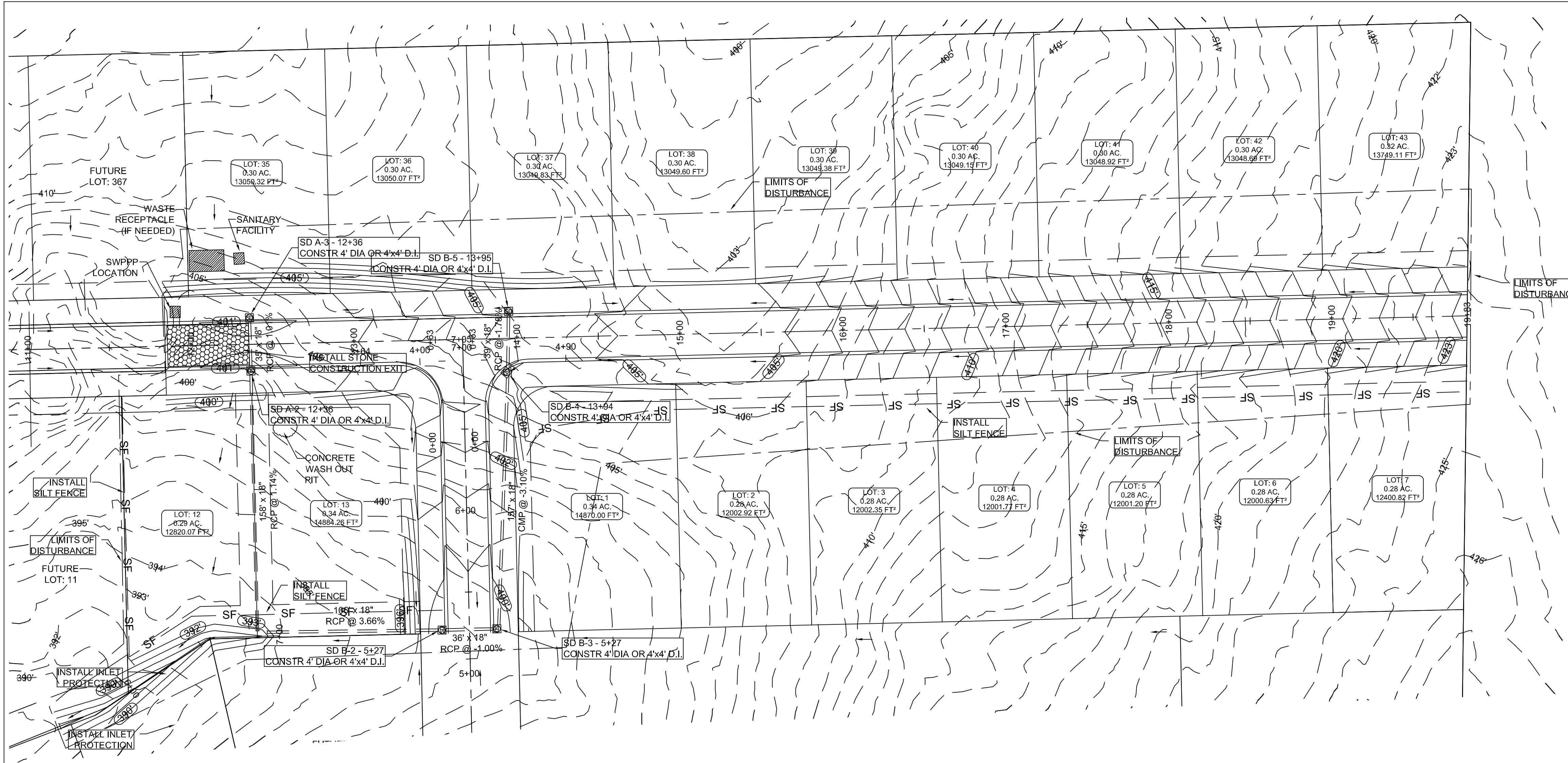
REV:

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LEGEND	
	CURB
	FIRE HYDRANT
	BLOW-OFF ASSEMBLY
	GATE VALVE
	WATER LINE
	SANITARY SEWER LINE
	SANITARY SEWER MANHOLE
	STORM DRAIN INLET
	STORM DRAIN PIPE



**OWNER / CONTRACTOR CERTIFICATION :**  
 "I certify under penalty of law that I understand the term and conditions of the General National Pollutant Discharge Elimination System (NPDES) Permit that authorizes the storm water discharges associated with the industrial activity from the construction site identified as part of this certification.

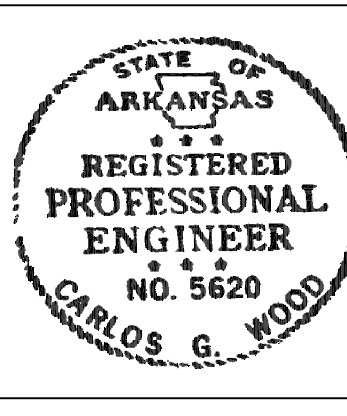
OWNER \_\_\_\_\_ DATE \_\_\_\_\_  
 CONTRACTOR \_\_\_\_\_ DATE \_\_\_\_\_

**PROFESSIONAL PLAN CERTIFICATION :**  
 "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that all qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information submitted is, to the best of my knowledge an belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

PRINTED NAME: \_\_\_\_\_ PRINTED TITLE: \_\_\_\_\_  
 SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**NOTE:**  
 DEVELOPER SHALL OBTAIN REQUIRED ADEQ PERMIT PRIOR TO COMMENCING WORK ON THE SITE. PREPARE A SWPPP PLAN, AND DISPLAY THEM FOR PUBLIC ACCESS AT THE SITE.

ECM-1



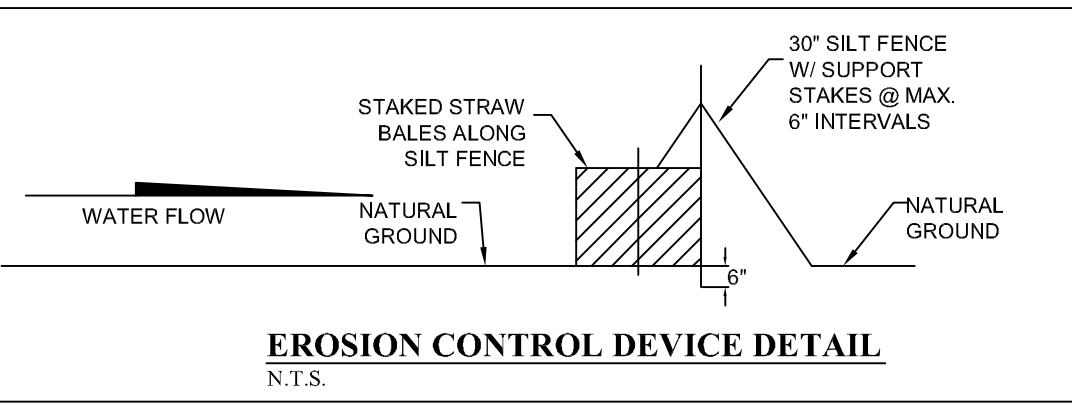
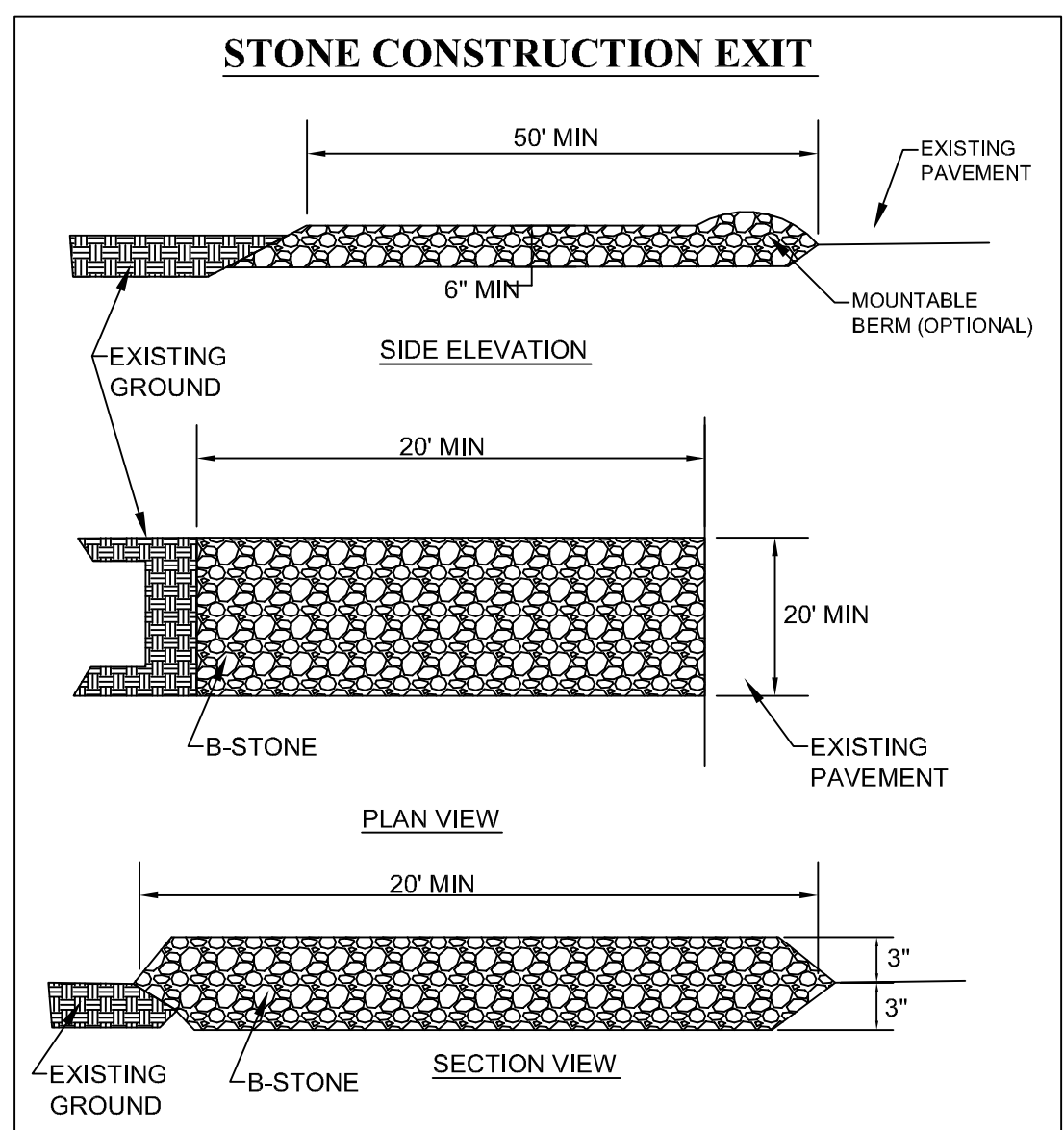
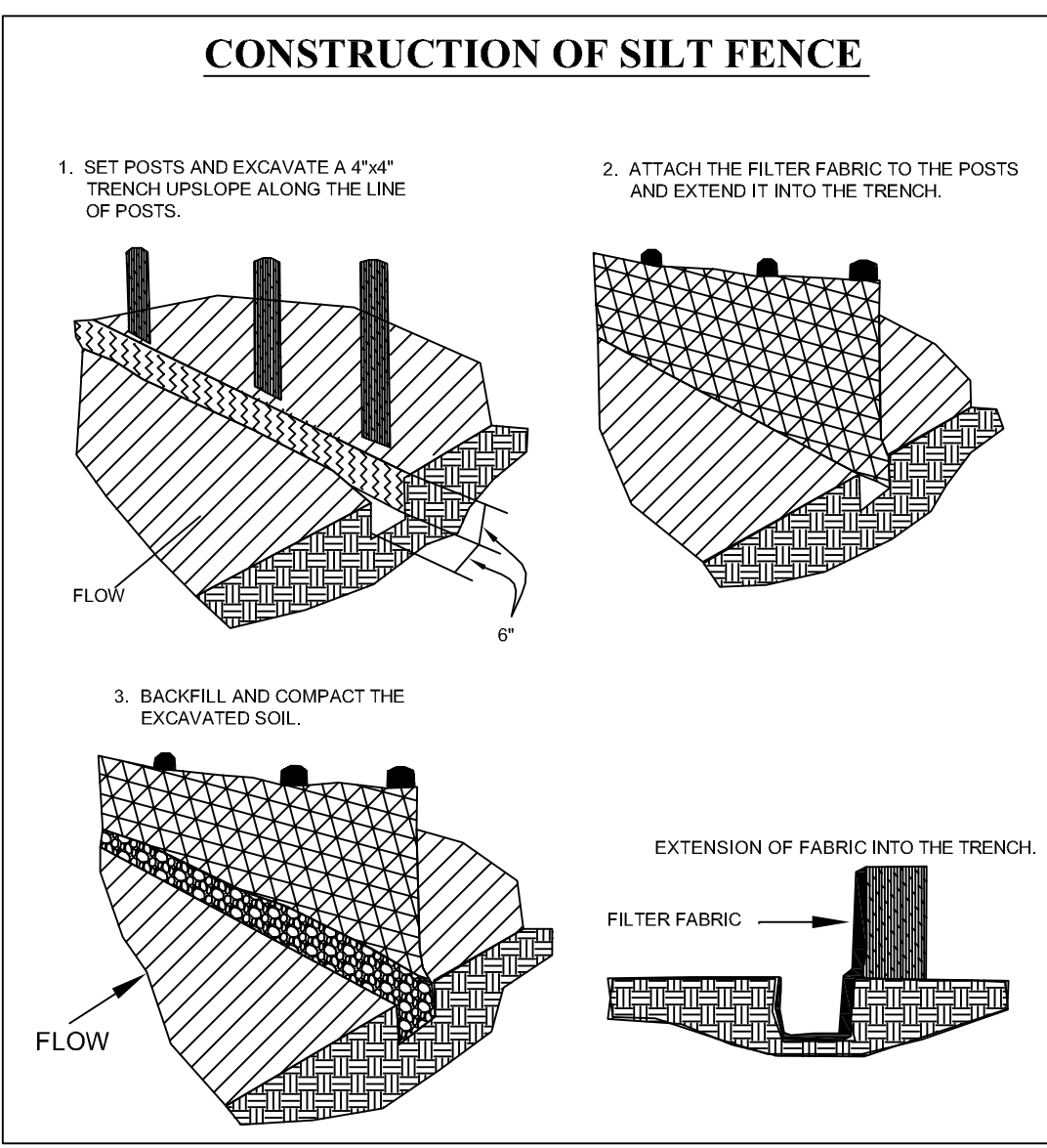
**BARRINGTON PARK PHASE V**  
**JONESBORO, AR**  
 EROSION CONTROL  
 MAP

**NOTES:**

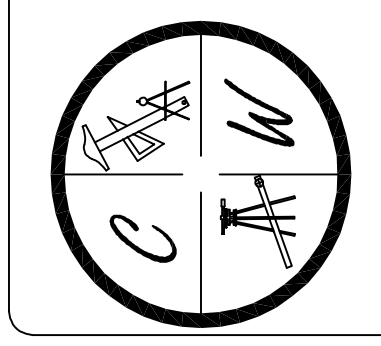
- THIS DRAWING REPRESENTS THE SCHEMATIC MAP OF THE LOCATION AND TYPE OF THE MINIMUM EROSION CONTROL MEASURES ANTICIPATED FOR THIS SITE AND SHALL BE CONSIDERED A PART OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AS REQUIRED BY THE CITY OF JONESBORO AND ADEQ. THIS MAP SHALL BE UPDATED AND MODIFIED PERIODICALLY AS SPECIFIED IN THE SWPPP PLAN IN ACCORDANCE WITH THE REQUIREMENTS OF THE STATE OF ARKANSAS NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT).
- THE OWNER SHALL BE RESPONSIBLE FOR SUBMITTING THE NOTICE OF INTENT TO THE CITY OF JONESBORO ENGINEERING DEPARTMENT AND ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY (ADEQ) AS REQUIRED BY THE GENERAL NPDES PERMIT REGULATIONS AND OBTAINING THE REQUIRED PERMIT FROM ADEQ.
- CONTRACTOR SHALL INSTALL, INSPECT, MAINTAIN, REPAIR, AND MODIFY ALL EROSION CONTROL MEASURES AND SWPPP PLAN IN ACCORDANCE WITH THE GENERAL PERMIT REQUIREMENTS TO KEEP THEM IN GOOD WORKING CONDITION THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD. FAILURE TO MAINTAIN COMPLIANCE MAY RESULT IN THE DENIAL OF BUILDING AND CONSTRUCTION INSPECTIONS UNTIL CORRECTIONS HAVE BEEN MADE. CONTRACTOR SHALL MAINTAIN A CONTINUOUS UPDATED SWPPP PLAN AND MAP ON SITE (IN A CONTAINER MARKED AS SUCH TO IDENTIFY THE PLAN) IN A PUBLIC ACCESSIBLE LOCATION FOR REVIEW AND INSPECTION BY THE APPROPRIATE INSPECTORS.
- SILT FENCE & OTHER EROSION CONTROL DEVICES SHALL BE INSTALLED (AS SHOWN ON THE MAP) TO PREVENT MIGRATION OF SEDIMENT TO ADJACENT PROPERTIES & ALONG TOP OF DITCH BANK TO ENSURE THAT THE EXISTING DITCHES ARE NOT CONTAMINATED WITH SEDIMENT DURING CONSTRUCTION. ADDITIONAL LOCATIONS MAY BE NECESSARY AS CONSTRUCTION PROGRESSES. AREAS DISTURBED BY CONSTRUCTION SHALL BE TEMPORARILY SEEDED IN AREAS WHERE CONSTRUCTION CEASES FOR 14 DAYS AND PERMANENTLY SEEDED WITHIN 14 DAYS OF THE COMPLETION OF CONSTRUCTION. THE LOCAL SOIL CONSERVATION SERVICE CAN BE CONTACTED FOR ASSISTANCE.
- CONTRACTOR SHALL INSTALL A STONE CONSTRUCTION EXIT (PRIOR TO CONSTRUCTION) AT THE LOCATIONS CONSTRUCTION VEHICLES LEAVE THE SITE TO PREVENT DUST AND MUD TRACKING ONTO STREETS. CONTRACTOR SHALL CLEAN ALL TRACKING MATERIALS FROM STREETS AS FREQUENTLY AS NECESSARY TO MAINTAIN CLEAN STREETS AND AT A MINIMUM OF THE END OF THE DAY.
- AN INSPECTION SHALL BE MADE WEEKLY. ALL OBSERVED DEFICIENCIES OF THE BEST MANAGEMENT PRACTICES (BMPs) WILL BE RECORDED AND REPAIRED AS SOON AS POSSIBLE.
- SEDIMENT SHALL BE REMOVED FROM ALL EROSION CONTROL DEVICES WHEN SEDIMENT REACHES 50% OF THE DEVICE CAPACITY.
- A SOLID WASTE CONTAINER SHALL BE PROVIDED FOR SOLID WASTE REMOVAL.
- A TEMPORARY SANITARY SEWER CONTAINER SHALL BE PROVIDED.
- A CONCRETE WASTE PIT SHALL BE PROVIDED AS NEEDED DURING THE CONSTRUCTION OF THE SITE.
- TOTAL AREA IS 7.0 ACRES, TOTAL DISTURBED IS 3.0 ACRES.

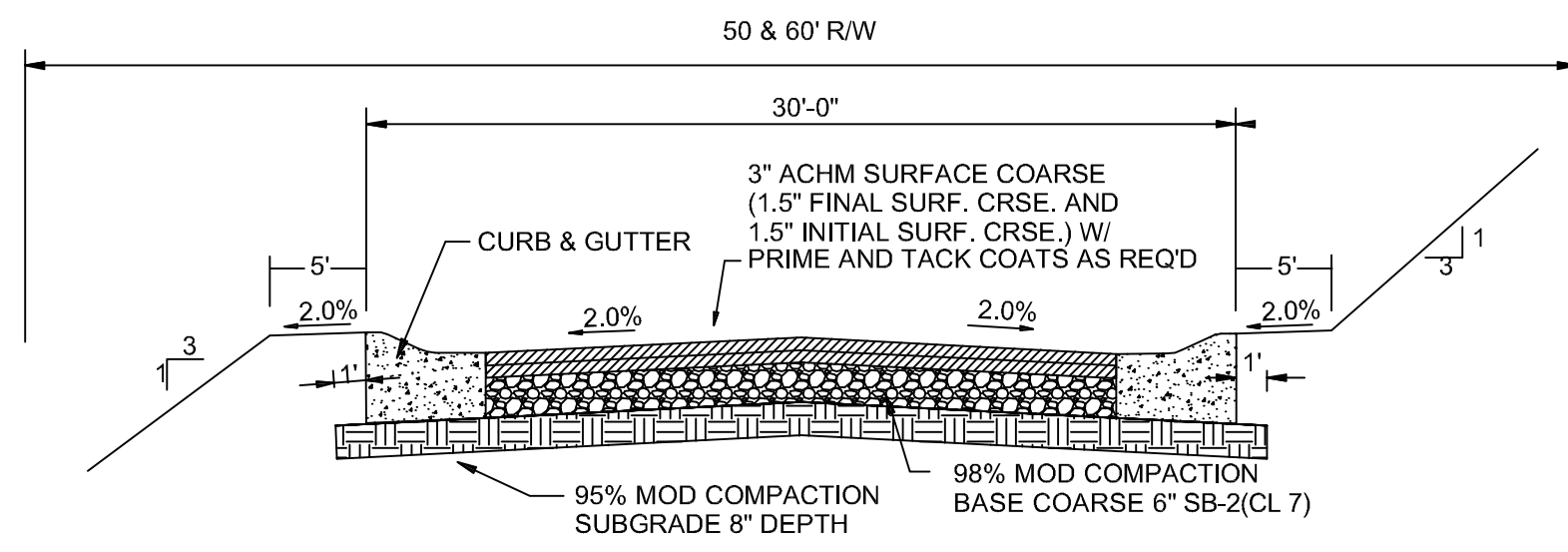
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 REV:

DRAWN BY: BCL

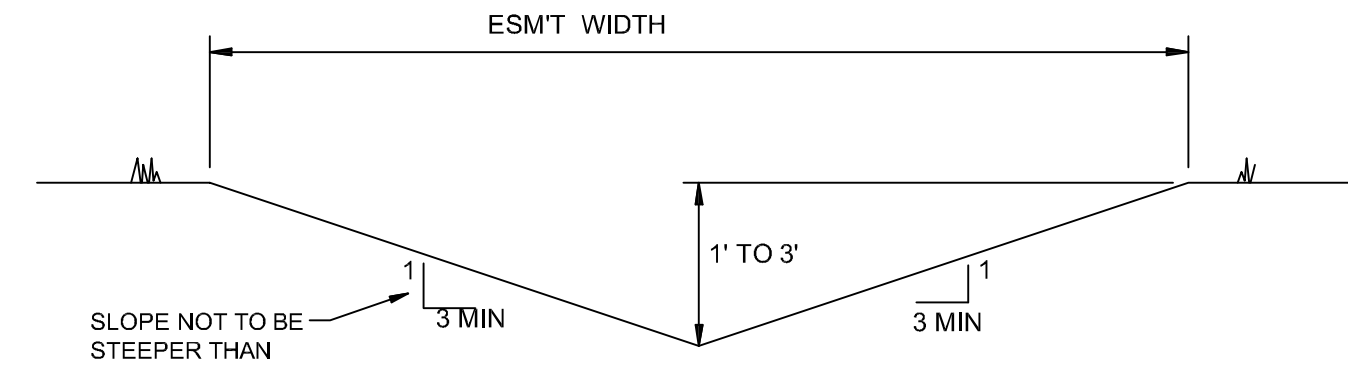


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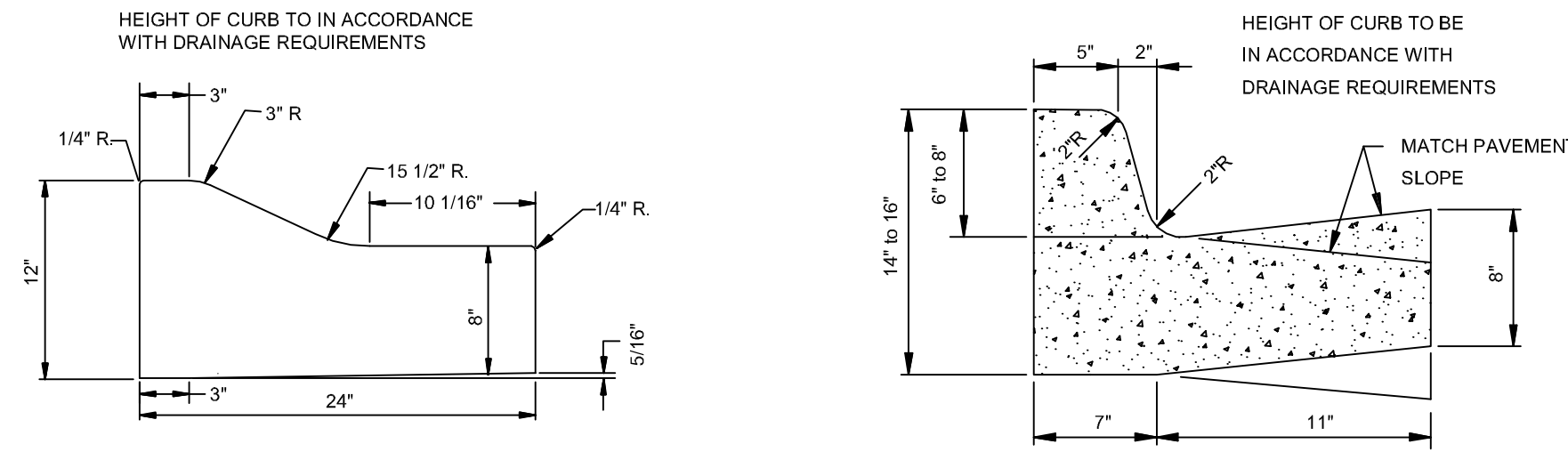




**TYPICAL SECTION - INTERIOR STREETS**  
N.T.S.

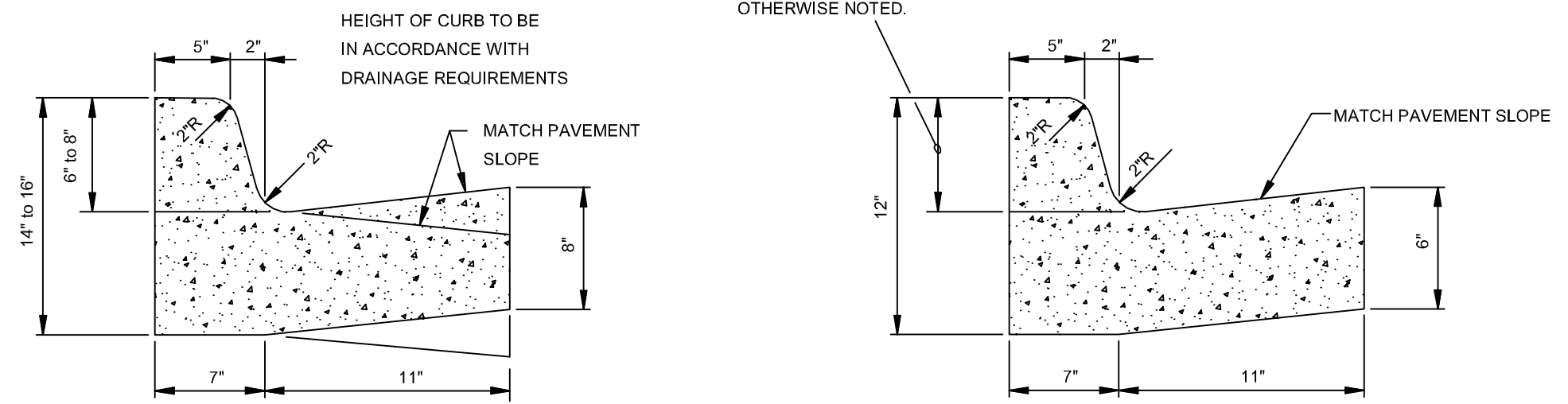


**'A' TYPICAL DITCH DETAIL**  
N.T.S.



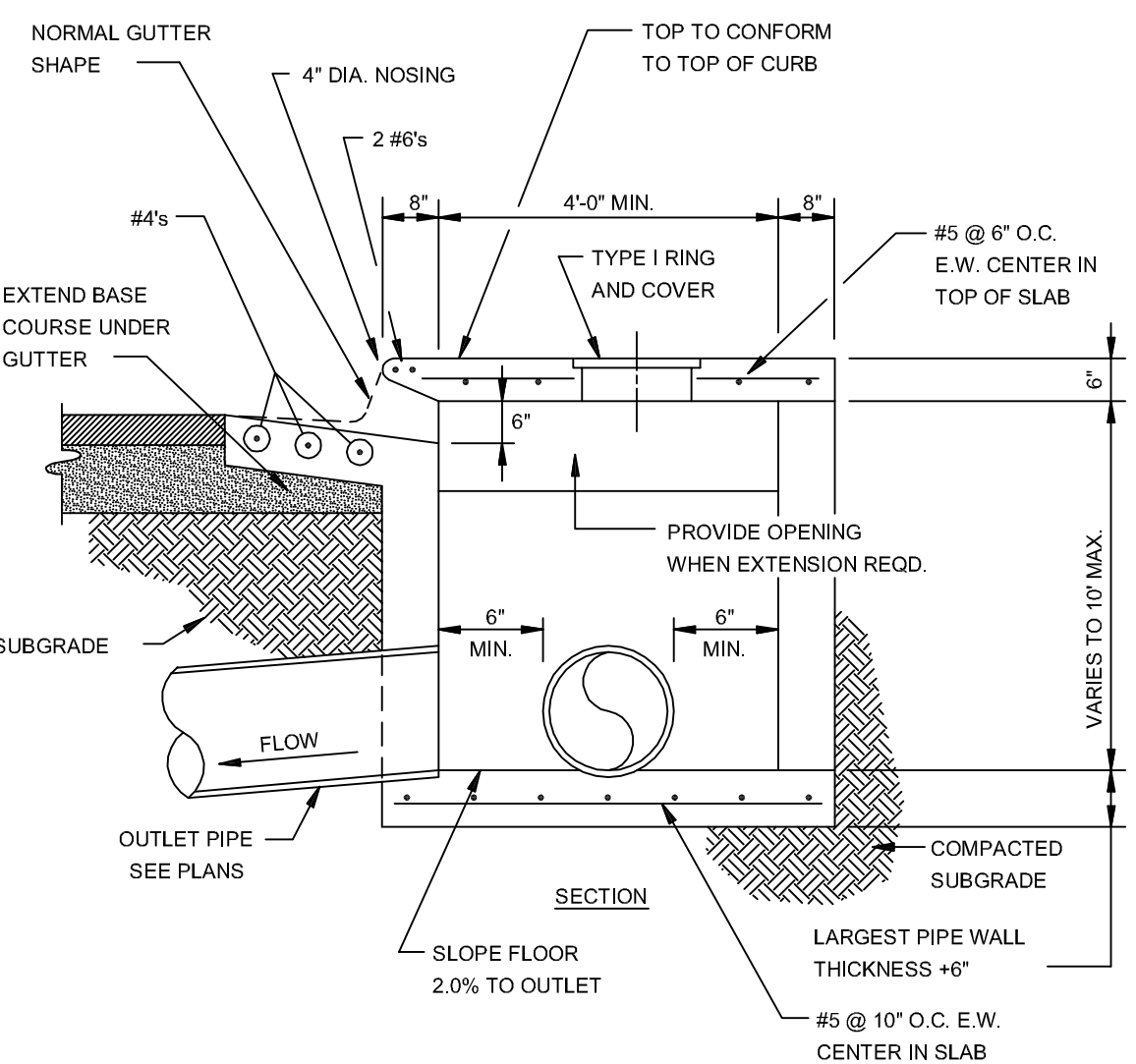
**TYPE 'B' CURB & GUTTER**  
N.T.S.

NOTE: CONTRACTION AND EXPANSION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF JONESBORO SPECIFICATIONS  
NO DRIVEWAY CUTS ALLOWED WITH THIS TYPE OF CURB



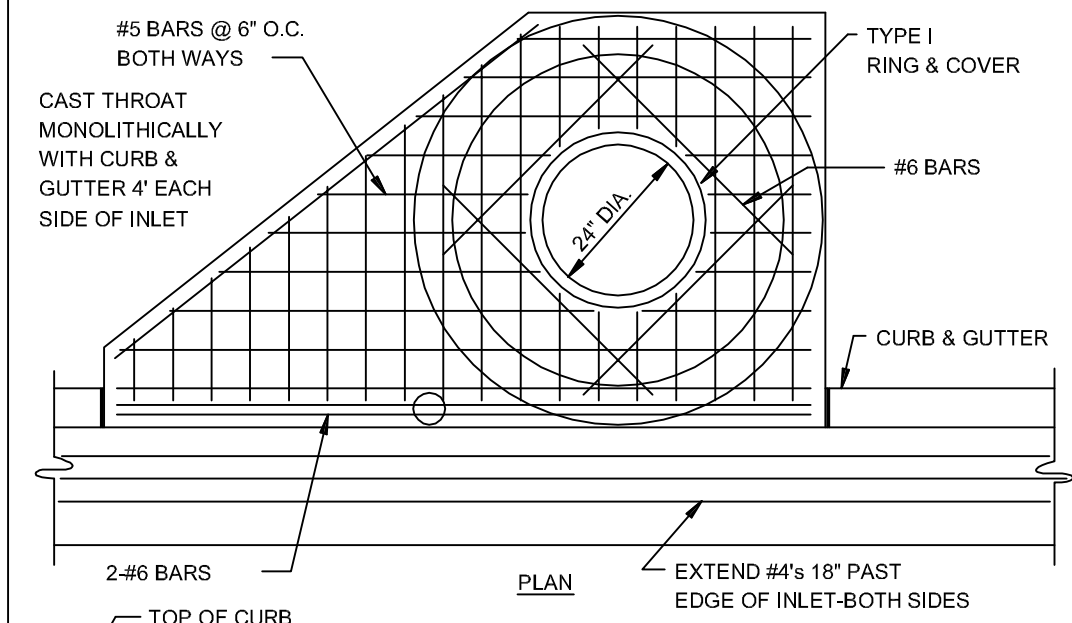
**COMBINATION CURB & GUTTER**  
N.T.S.

NOTE: CONTRACTION AND EXPANSION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.

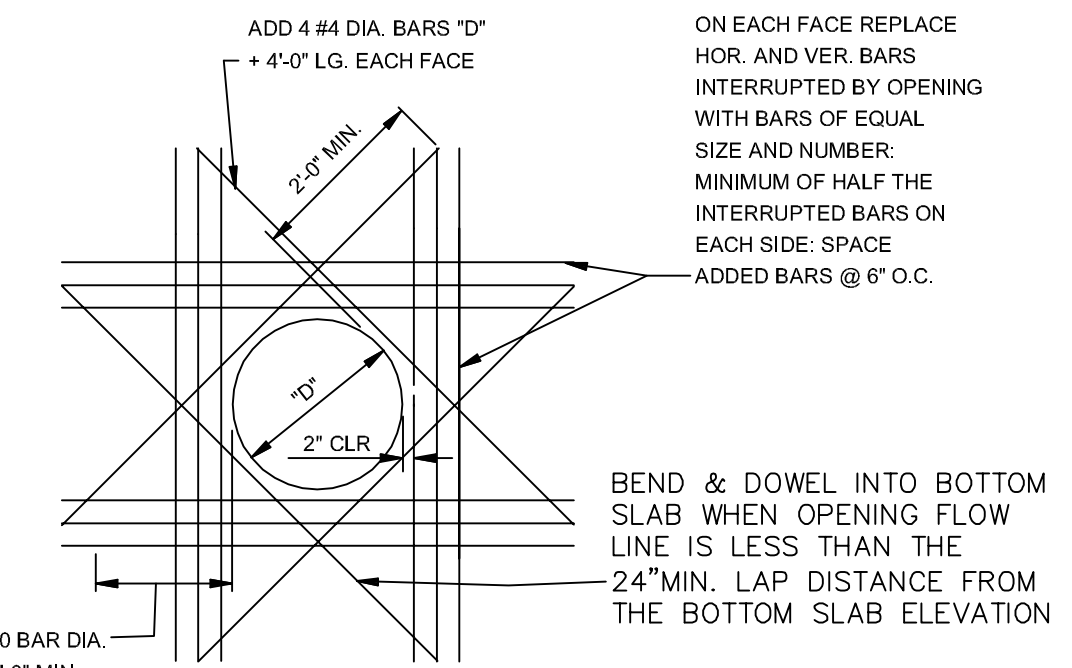
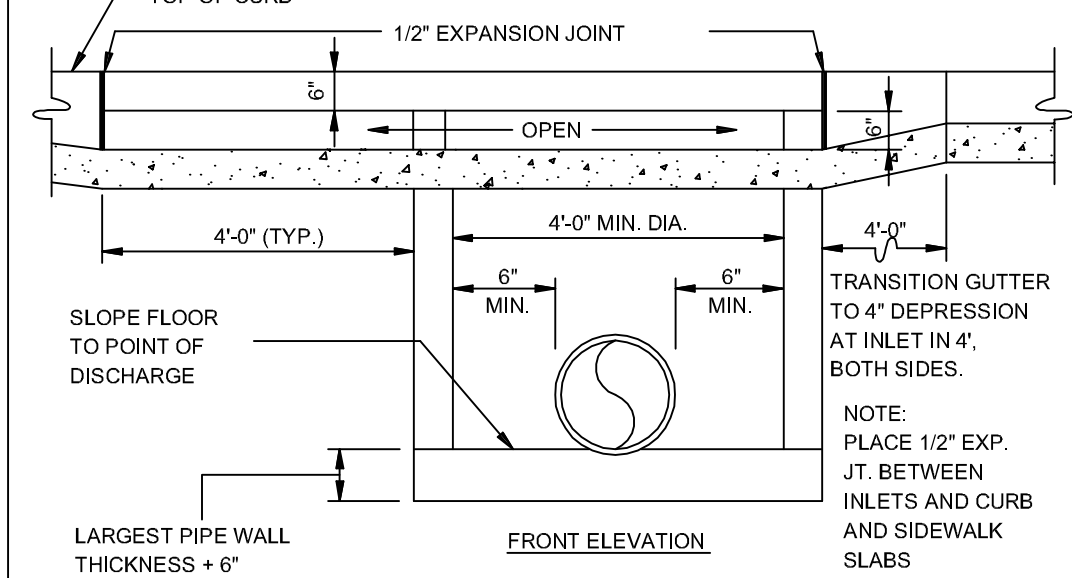


**SECTION - CIRCULAR CURB INLET**  
N.T.S.

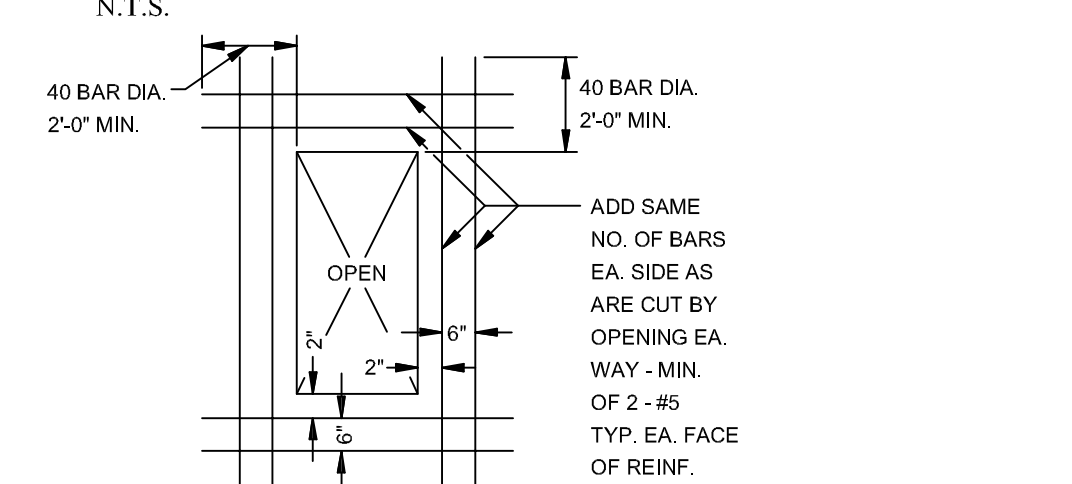
NOTE: INLETS MORE THAN 3'-0" DEEP SHALL HAVE STANDARD MANHOLE STEPS PLACED AT 15" O.C. - MANHOLE FRAME AND COVER SHALL BE PLACED ADJACENT TO THE WALL WITH THE STEPS.



**CIRCULAR CURB INLET W/ INLET EXTENSION**  
N.T.S.



**ADDED REINFORCEMENT AT ROUND OPENING IN WALL OR SLAB**  
N.T.S.



**ADDED REINFORCEMENT AT RECTANGULAR OPENING IN WALL OR SLAB**  
N.T.S.

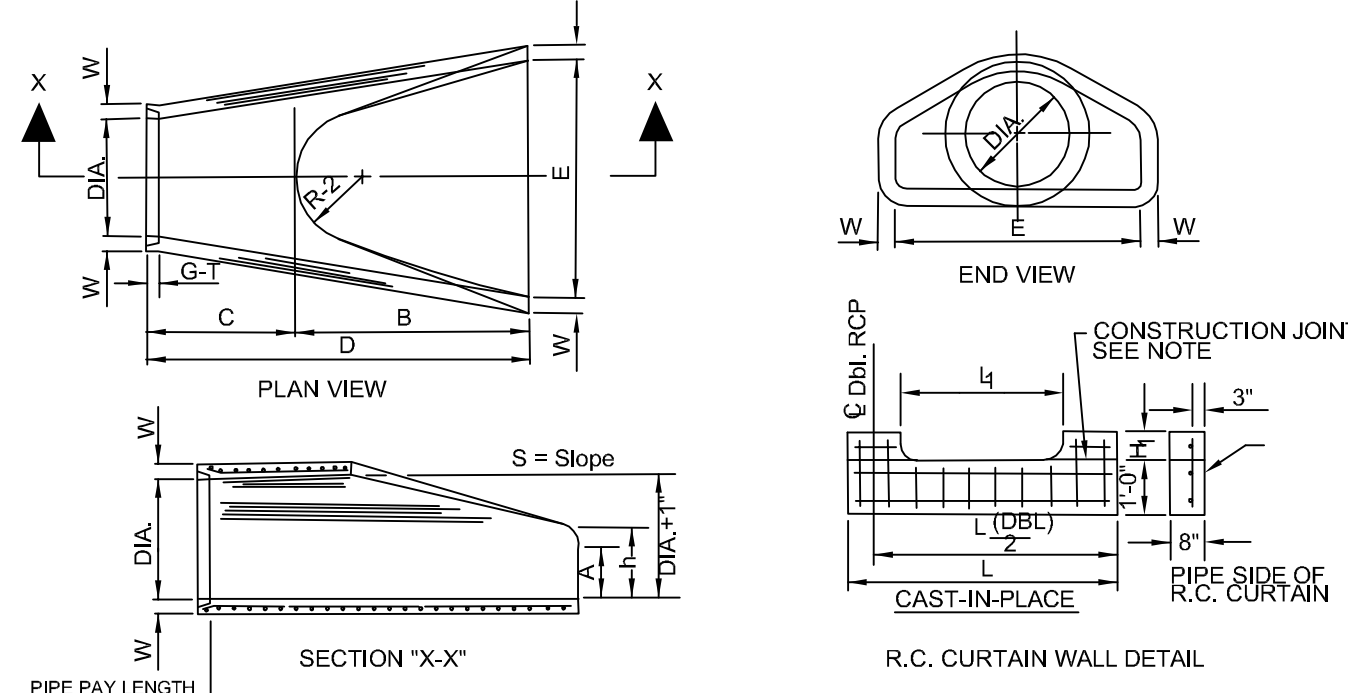
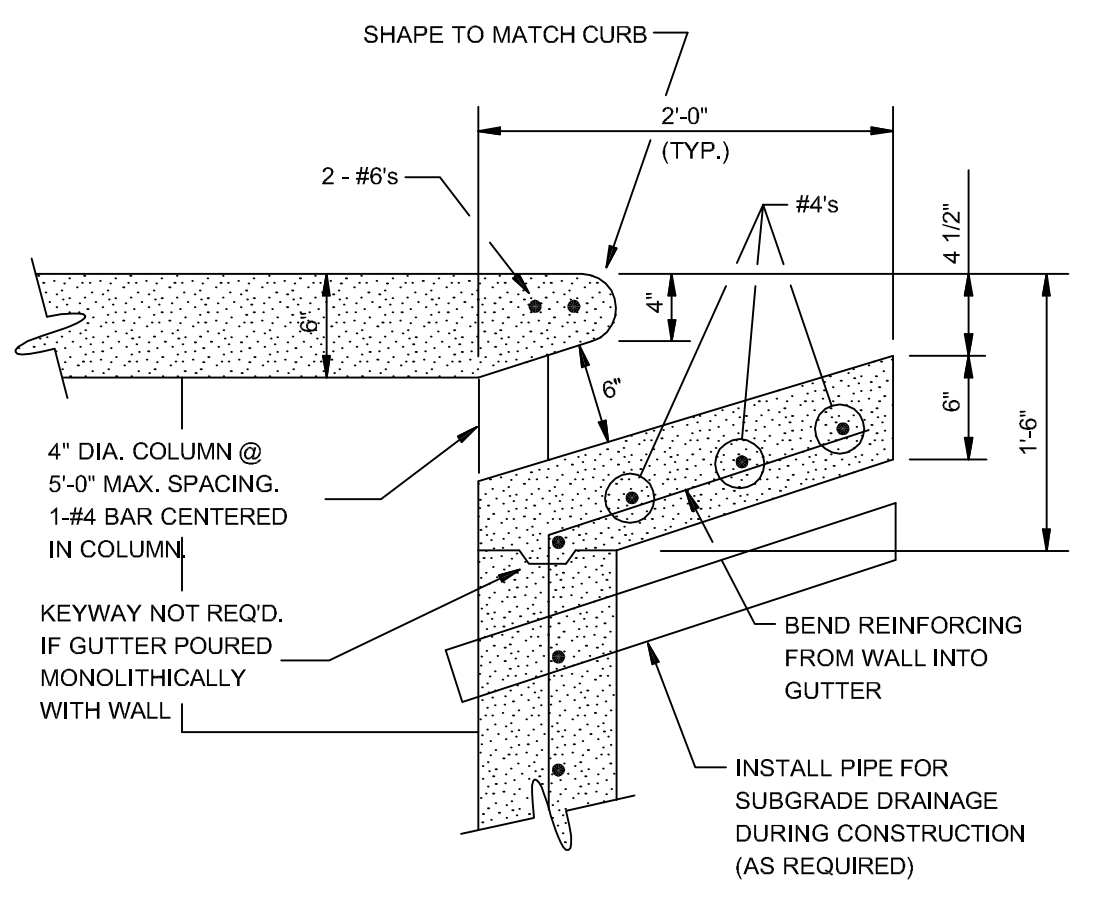


TABLE OF DIMENSIONS

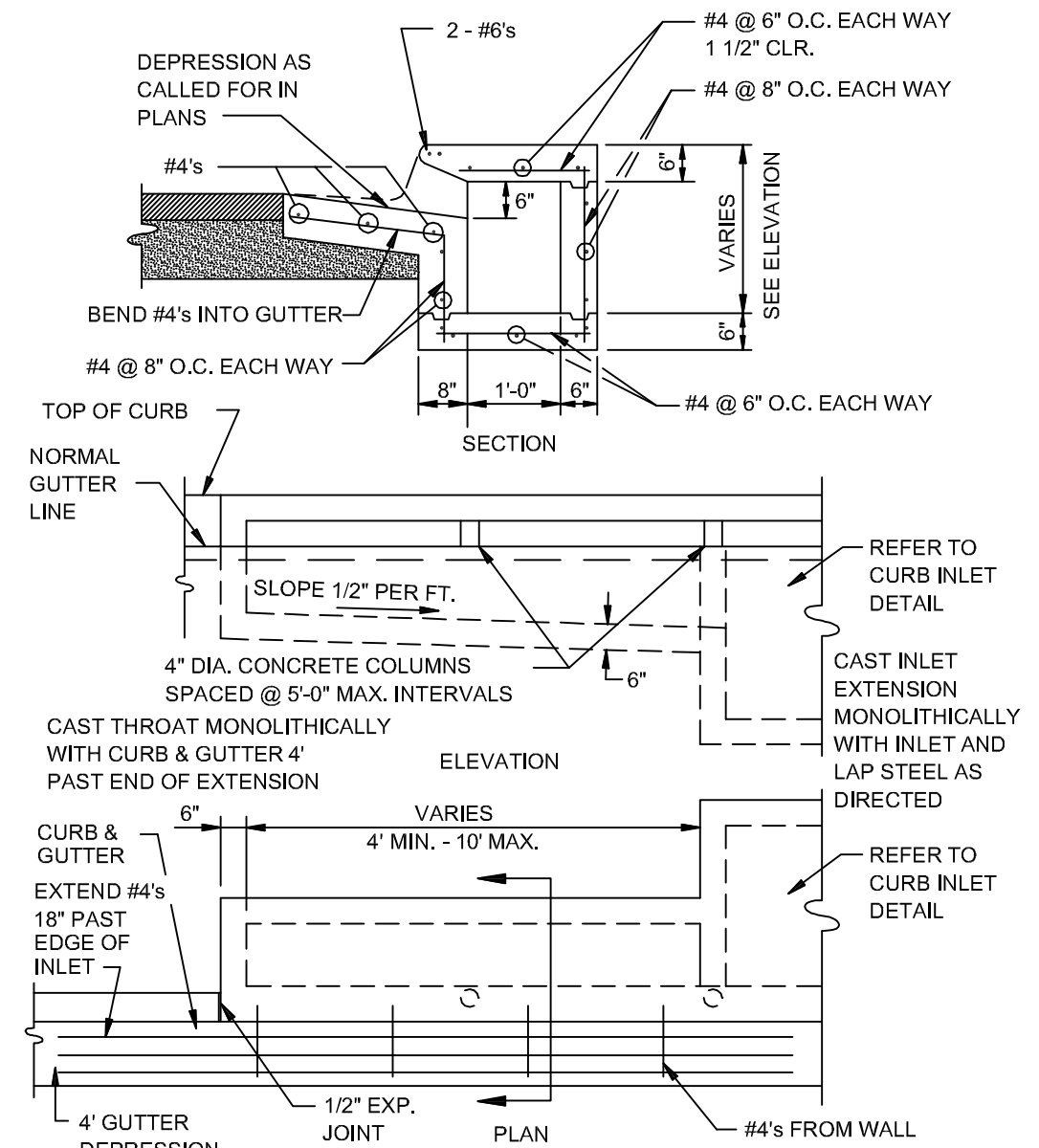
PIPE WALL THICKNESS	A	B	C	D	E	S	DIA. (1)	P	R1	R2	G1	WT	h	
15"	2 1/2"	8"	2-3"	3-10"	6-1"	3-0"	3-11"	18"	28"	15 1/2"	12"	2"	1000	1-9 1/2"
24"	3"	9 1/2"	3 1/2"	2-8"	6-1 1/2"	4-0"	3-11"	28"	33 3/16"	18 13/16"	14"	2 1/2"	1600	1-1 1/8"
36"	3 1/2"	1-0"	4-0"	1-7 3/4"	6-1 3/4"	5-0"	3-11"	36"	39"	18 1/2"	12"	3 1/4"	1940	1-4 2/8"
48"	4"	1-5"	5-0"	2-10 3/4"	6-1 3/4"	6-0"	3-11"	47 13/16"	43 5/16"	20"	3 1/2"	4100	1-8"	
42"	4 1/2"	1-5"	5-0"	2-11 1/4"	6-5"	6-0"	3-11"	33 3/8"	27 1/2"	22"	3 1/2"	1380	2-2 1/2"	
48"	5"	2-0"	6-0"	2-9"	6-5"	7-0"	3-11"	38 1/2"	28 1/2"	22"	3 1/2"	6550	2-5"	
54"	5 1/2"	2-4"	6-0"	1-10"	6-4"	7-0"	3-11"	38 1/2"	31 1/8"	24"	4"	8750	2-10 1/2"	
60"	6"	2-10"	6-0"	1-10"	6-4"	8-0"	3-11"	41 1/8"	34 1/8"	24"	4"	9710	3-0"	
72"	7"	3-10"	6-0"	1-10"	6-4"	9-0"	3-11"	73"	77 13/16"	24"	5"	13250	4-0"	

- 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.
  - No separate payment will be made for the Curtain Walls. They shall be considered subsidiary to the Flared End Sections.
  - Tongue End On Upstream Section. Groove End On Downstream Section.

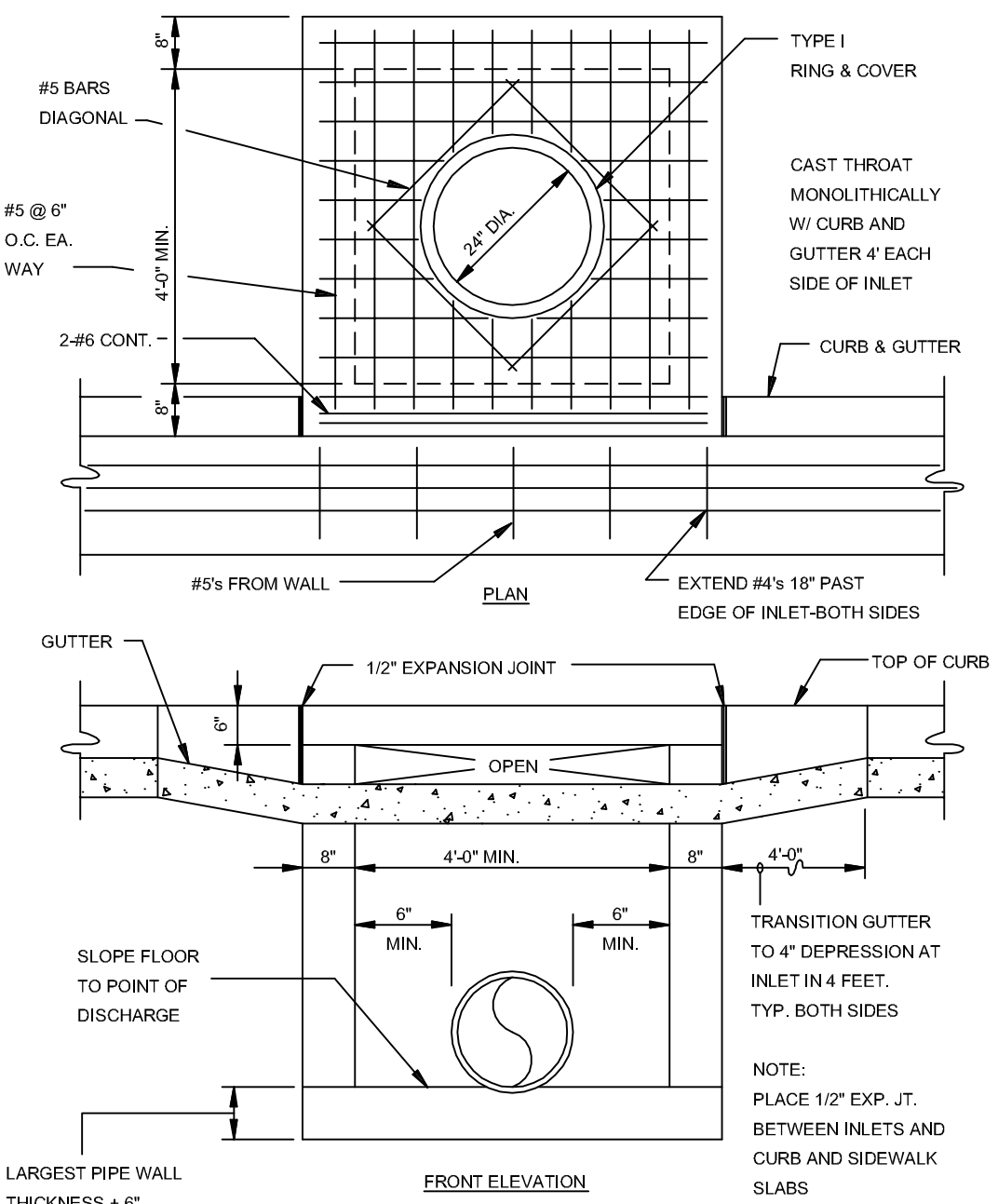
**FLARED END SECTION DETAIL FOR REINFORCED CONCRETE PIPE CULVERT**  
N.T.S.



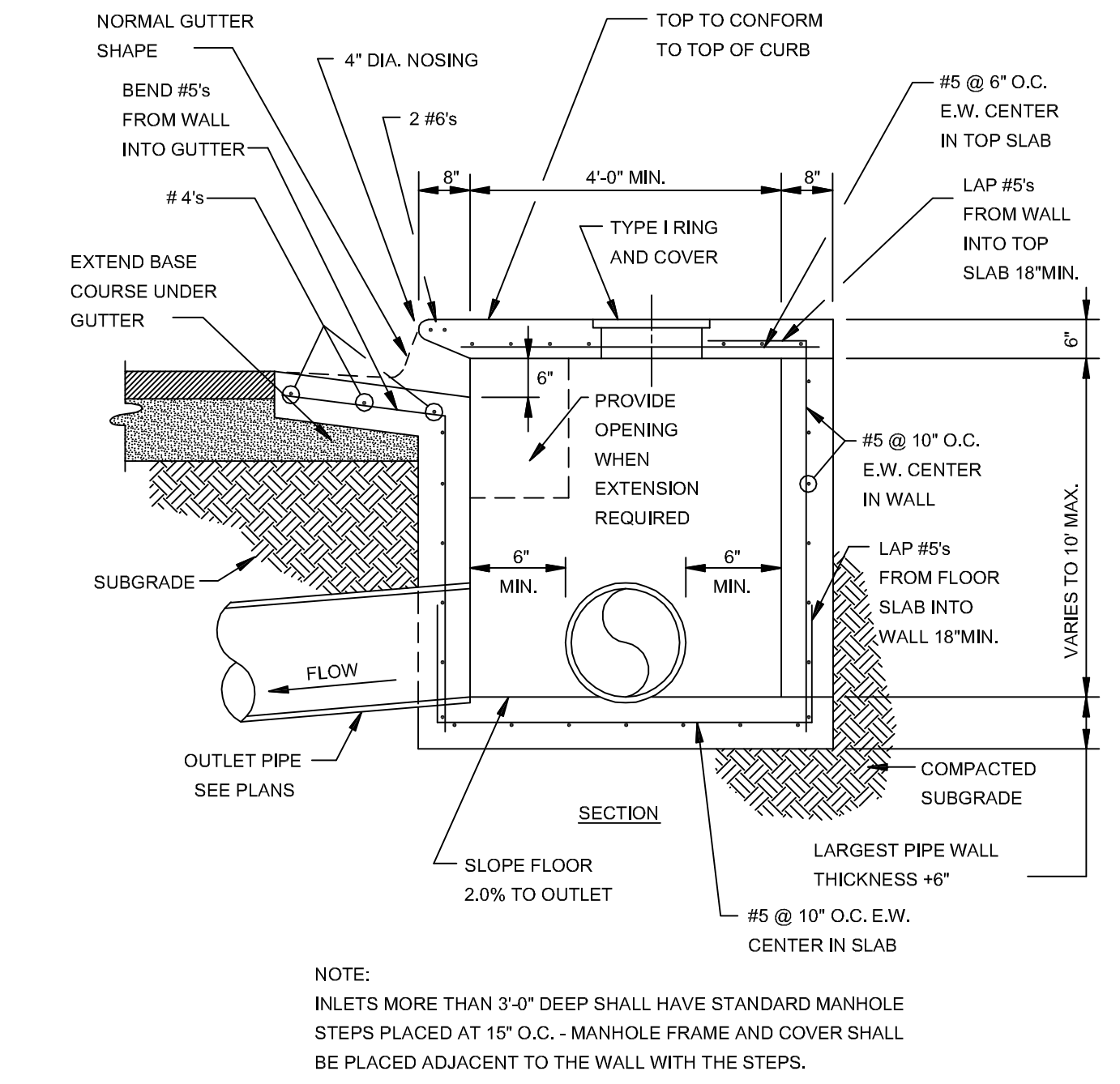
**CURB OPENING**  
N.T.S.



**RECTANGULAR CURB INLET EXTENSION**  
N.T.S.

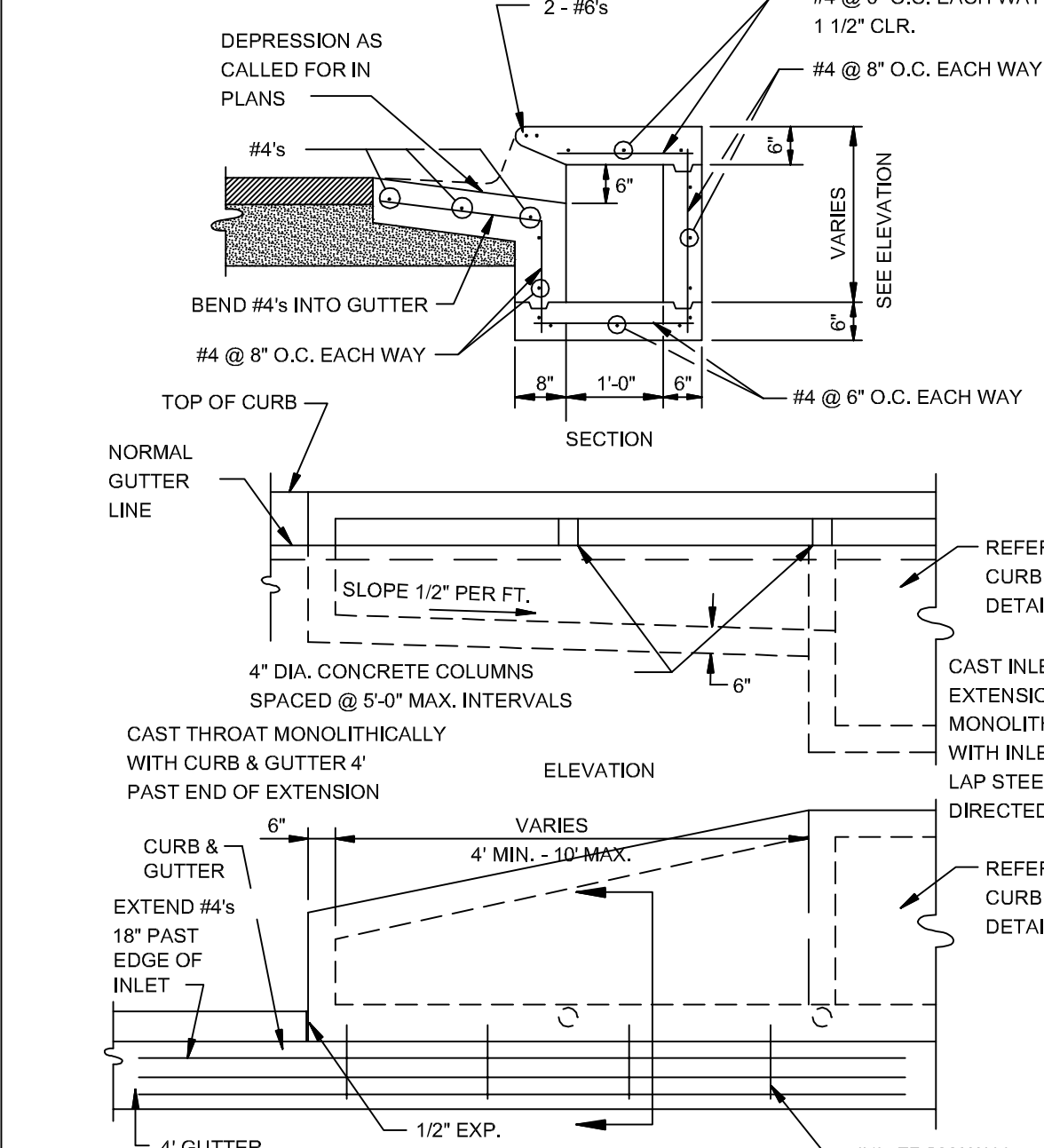


**RECTANGULAR CURB INLET**  
N.T.S.

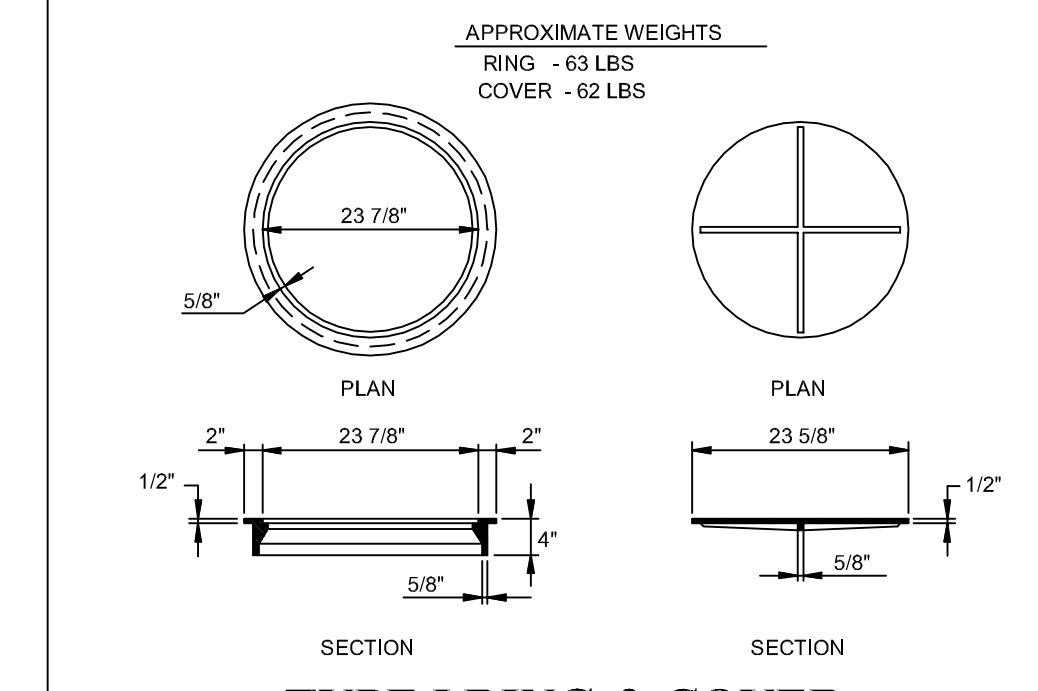


**SECTION - TYPICAL CURB INLET - TYPE 'A'**  
N.T.S.

NOTE: INLETS MORE THAN 3'-0" DEEP SHALL HAVE STANDARD MANHOLE STEPS PLACED AT 15" O.C. - MANHOLE FRAME AND COVER SHALL BE PLACED ADJACENT TO THE WALL WITH THE STEPS.

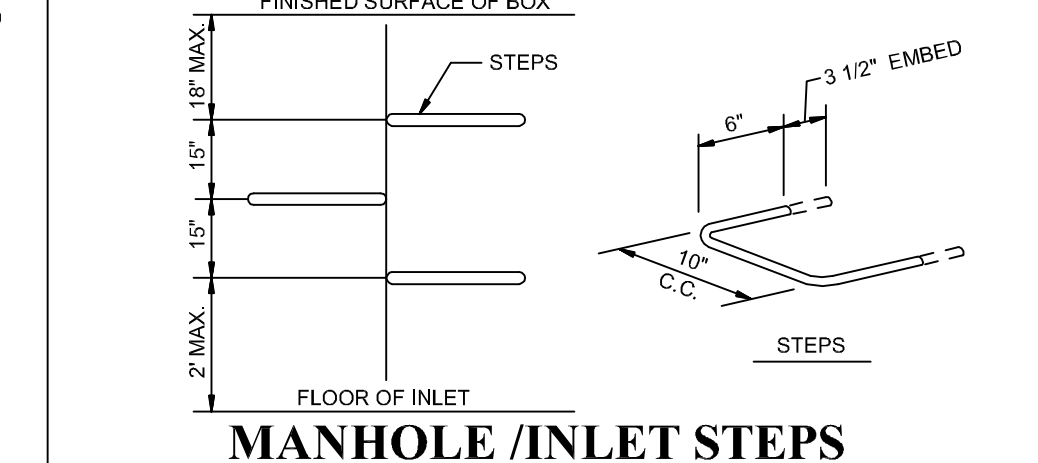


**ALTERNATE CURB INLET EXTENSION**  
N.T.S.



**TYPE I RING & COVER**  
N.T.S.

NOTE: TYPE I FRAME AND COVER PERMITTED ONLY ON STRUCTURES NOT SUBJECT TO VEHICULAR TRAFFIC.



**MANHOLE / INLET STEPS**  
N.T.S.

- STEPS SPECIFICATIONS:
- MANHOLE STEPS: CORROSION RESISTANT, COATED AND REINFORCED WITH STEEL PER ASTM C-478. STEEL REINFORCING MINIMUM 1/2" DIAMETER.
  - CAPABLE OF SUPPORTING MINIMUM 300 LB. LOAD.
  - NON-SLIP TEXTURED TREADS.
  - REQUIRED IN ALL STRUCTURES 3'-0" DEEP OR DEEPER, UNLESS SPECIFIED OTHERWISE.

DET-1

STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
NO. 5620  
CARLOS G. WOOD

**BARRINGTON PARK PHASE V**  
JONESBORO, AR

TYPICAL STREET DETAILS

DATE: 3/28/11  
REV:  
DRAWN BY: BCL

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