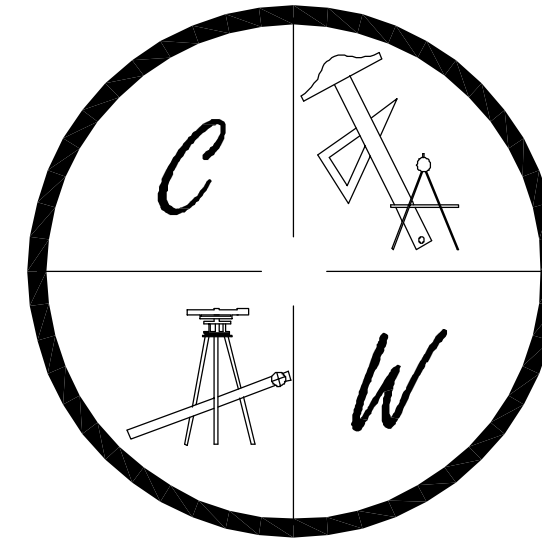


MERRELL ESTATES PHASES III, IV, V, & VI

JONESBORO, ARKANSAS

PRELIMINARY STREET & DRAINAGE PLANS

SEPTEMBER 24, 2012



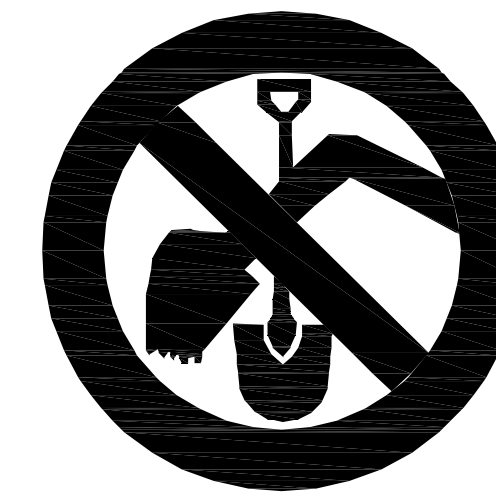
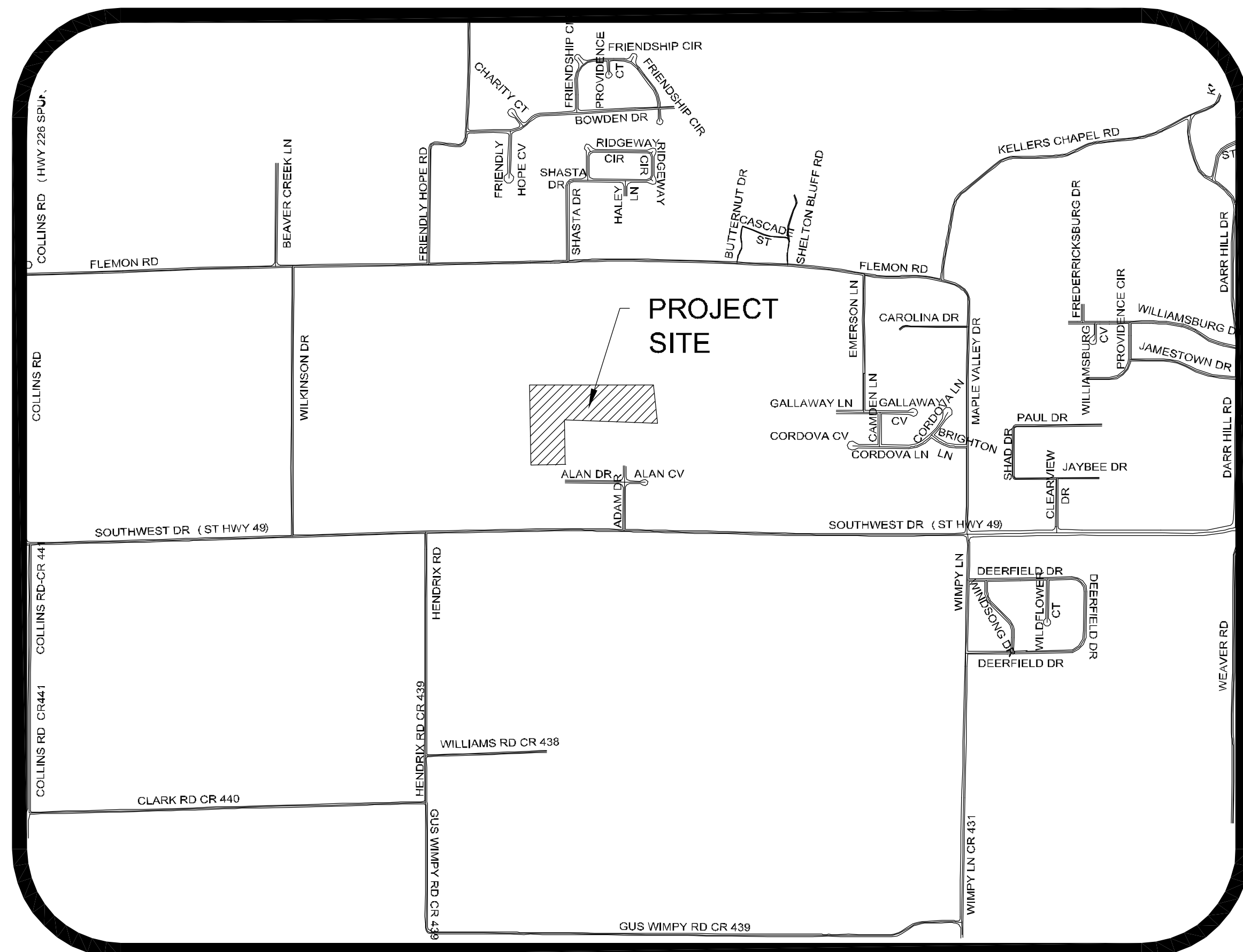
CARLOS WOOD, P.E.
ENGINEERING CONSULTANT

122 CR 375
BONO, AR 72416
PHONE: (870) 972-8335

EMAIL: WOODENGR@SBCGLOBAL.NET
WEBSITE: WWW.WOODENGR.COM

PROJECT VICINITY MAP

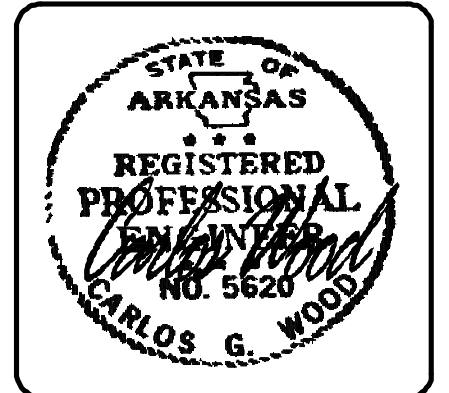
SCALE: 1" = 1000'



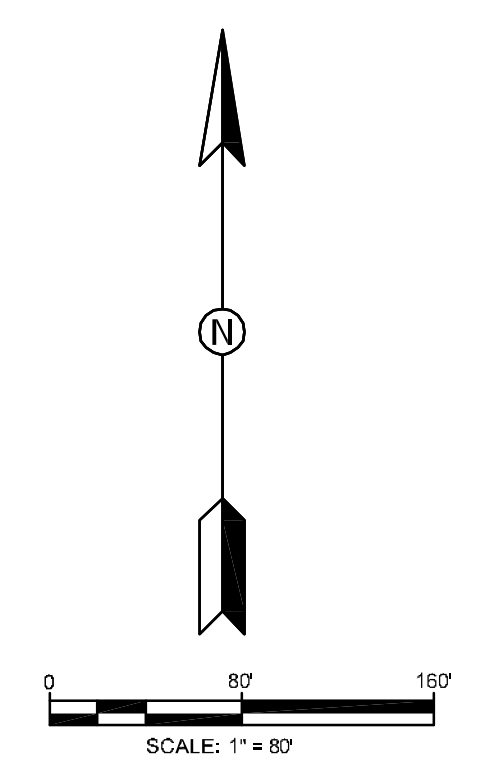
ARKANSAS ONE-CALL SYSTEM, INC.
1-800-482-8998 OR 811

SHEET LAYOUT	
OVERALL LAYOUT	OVR
PHASE 3 PLAT	
PHASE 4 PLAT	
PHASE 5 PLAT	
PHASE 6 PLAT	
DRAINAGE AREA MAP	STR-1
PHASE 3 TOPOGRAPHY & DRAINAGE PLAN	STR-2
PHASE 3 ADAM DRIVE & JULIA DRIVE/COVE PLAN & PROFILE	STR-3
PHASE 4 TOPOGRAPHY & DRAINAGE PLAN ALAN DRIVE PLAN & PROFILE	STR-4
PHASE 5 TOPOGRAPHY & DRAINAGE PLAN MERRELL DRIVE PLAN & PROFILE	STR-5
PHASE 6 TOPOGRAPHY & DRAINAGE PLAN JULIA DRIVE PLAN & PROFILE	STR-6
UTILITY PLAN	UTIL-1
OVERALL EROSION CONTROL MAP	ECM-1
PHASES 3,4,5 & 6 EROSION CONTROL MAP	ECM-2
EROSION CONTROL DETAILS	ECM-3
TYPICAL STREET DETAILS	DET-1
TYPICAL STREET DETAILS	DET-2

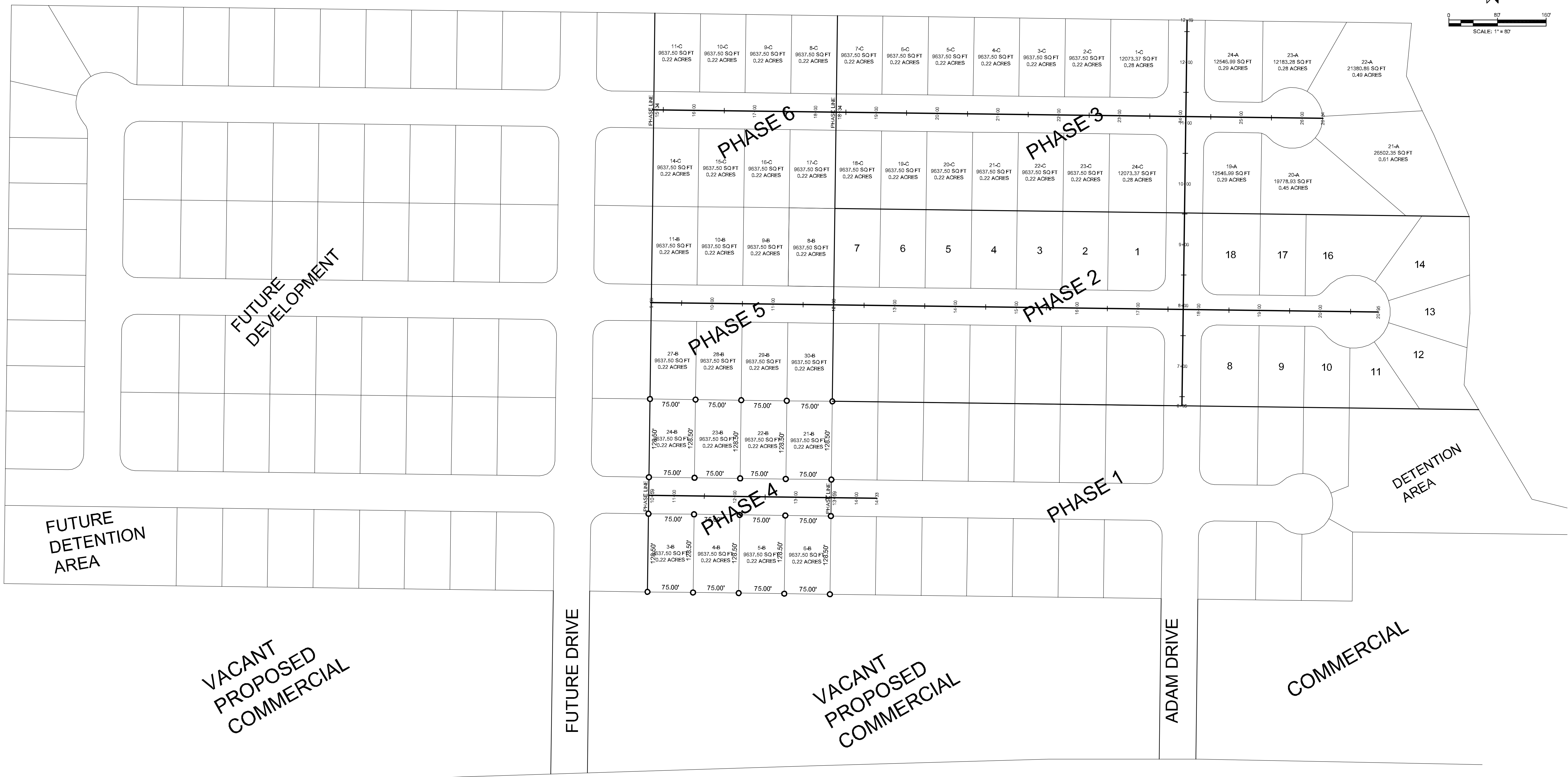
OVR



NORTH



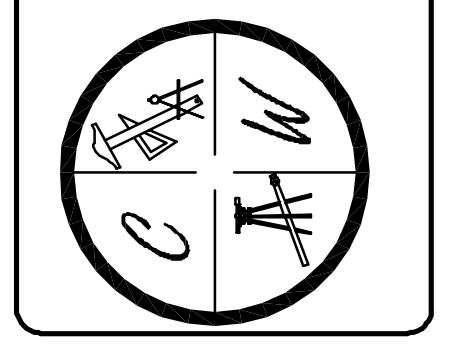
AGRICULTURAL

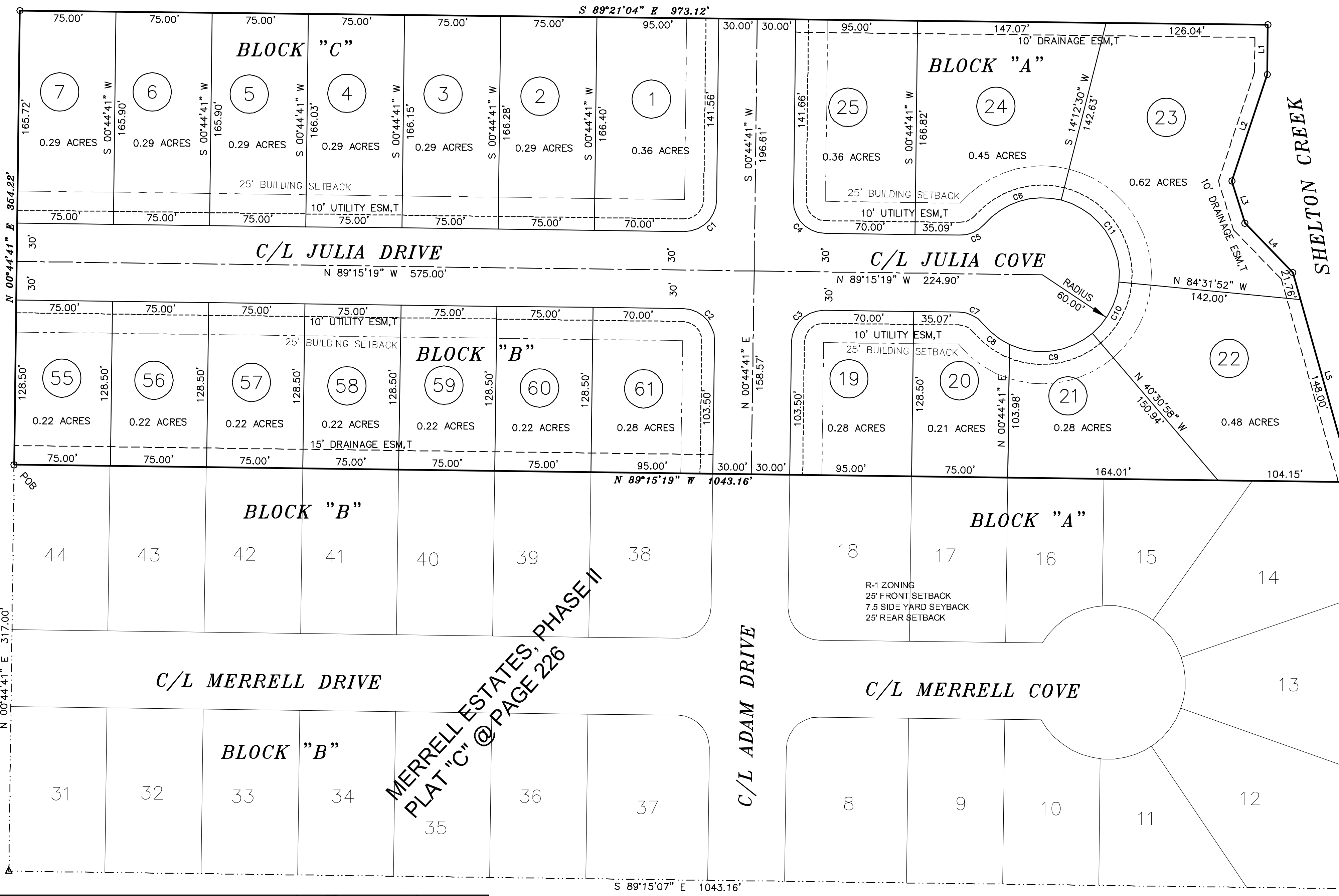


MERRELL ESTATES PHASE III, IV, V, & VI
OVERALL LAYOUT
JONESBORO, AR

DATE: 3 21 12
REV:
DRAWN BY: BGM

CARLOS WOOD, P.E.
ENGINEERING CONSULTANT
122 CR 375
BONO, AR 72416
PHONE: (870) 972-8335
EMAIL: WOODENGR@SBCGLOBAL.NET
WEBSITE: WWW.WOODENGR.COM





CURVE	DELTA ANGLE	RADIUS	ARC LENGTH	CHORD LENGTH	TANGENT
C1	90°00'00"	25.00'	39.27'	35.36'	25.00'
C2	90°00'00"	25.00'	39.27'	35.36'	25.00'
C3	90°00'01"	25.00'	39.27'	35.36'	25.00'
C4	90°00'00"	25.00'	39.27'	35.36'	25.00'
C5	49°40'47"	25.00'	21.68'	21.00'	11.57'
C6	63°08'36"	60.00'	66.12'	62.83'	36.87'
C7	49°44'39"	25.00'	21.71'	21.03'	11.59'
C8	25°08'58"	60.00'	26.34'	26.13'	13.38'
C9	65°46'31"	60.00'	68.88'	65.16'	38.80'
C10	44°00'54"	60.00'	46.09'	44.97'	24.25'
C11	81°19'39"	60.00'	85.10'	78.14'	51.48'

LINE	BEARING	DISTANCE
L1	S 00°38'56" W	38.78'
L2	S 18°23'53" W	87.63'
L3	S 17°16'10" E	34.44'
L4	S 44°08'01" E	53.59'
L5	S 15°43'17" E	169.76'

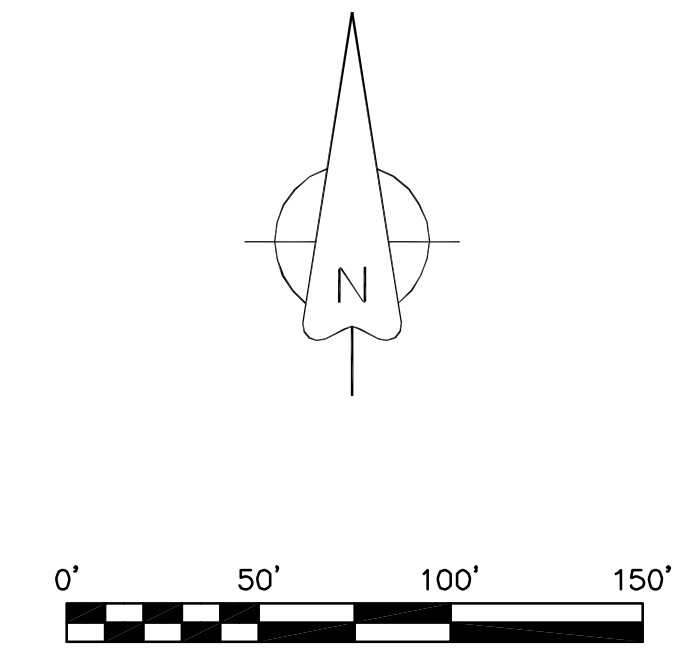
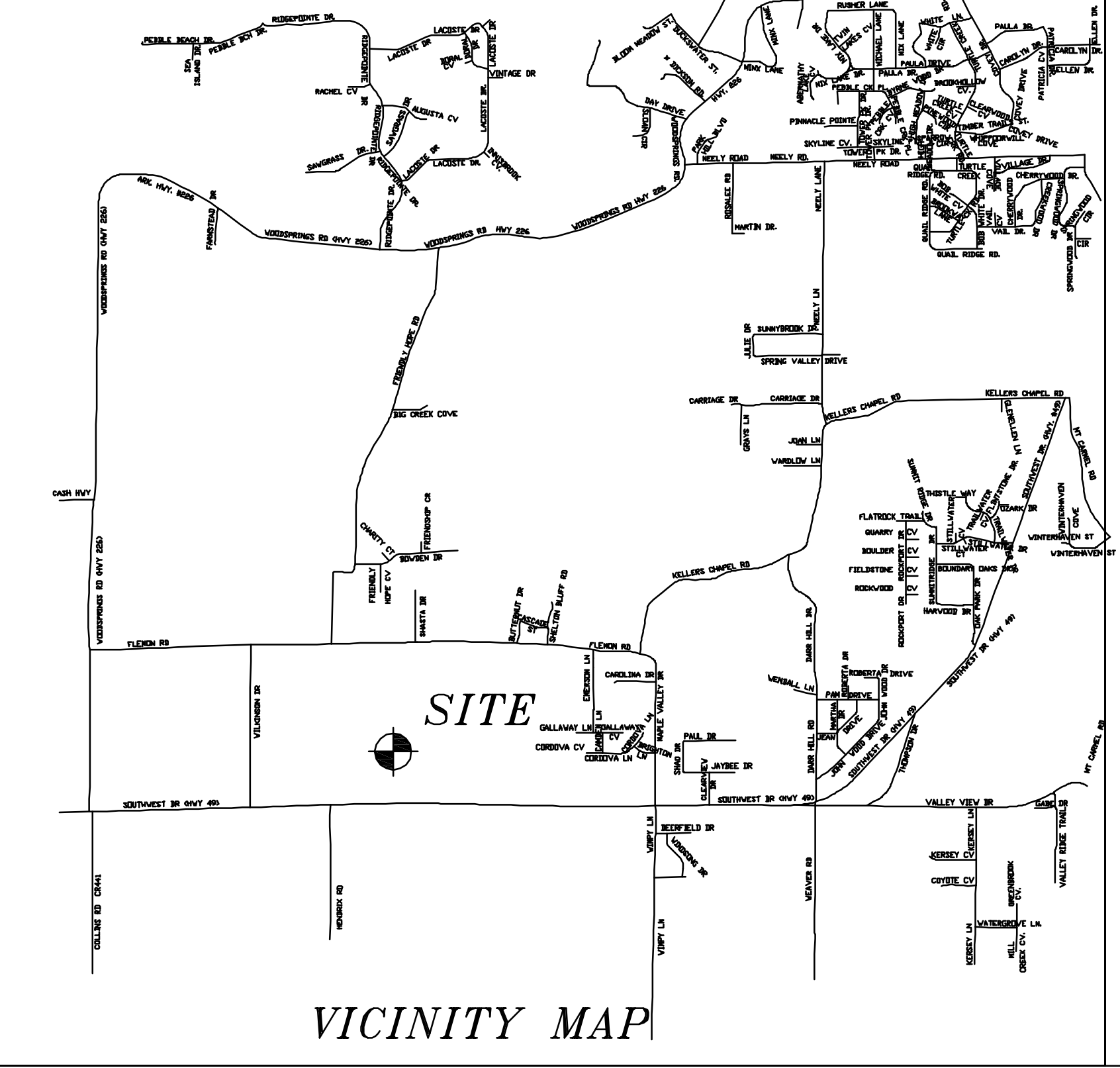
DESCRIPTION:
 A PART OF THE SOUTH-WEST QUARTER OF THE SOUTH-WEST QUARTER OF SECTION 3, TOWNSHIP 13 NORTH, RANGE 3 EAST, CRAIGHHEAD COUNTY, ARKANSAS AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:
 Commencing at the Southeast corner of the Southeast Quarter of said Section 3; thence North 00°18'25" East 466.62 feet; thence North 76°28'26" West 152.19 feet; thence North 30°39'19" West 171.19 feet; thence North 89°15'19" West 1063.04 feet; thence North 00°44'41" East 317.00 feet to the point of beginning proper;
 thence continue North 00°44'41" East 354.22 feet; thence South 89°21'04" East 973.12 feet; thence South 00°38'56" West 38.78 feet; thence South 18°23'53" West 87.63 feet; thence South 17°16'10" East 34.44 feet; thence South 44°08'01" East 53.59 feet; thence South 15°43'17" East 169.76 feet; thence North 89°15'19" West 1043.16 feet; to the point of beginning proper, having an area of 351290.15 square feet, 8.06 acres more or less and being subject to all public and private roads and easements.

SURVEYORS NOTES:
 1. BEARINGS ARE STATE PLANE GRID BEARINGS(NAD 83 DATUM)AS PER GPS OBSERVATION ON SITE DURING SURVEY AND ARE TO BE USED TO DEFINE THE GENERAL DIRECTION AND TRUE ANGLE AT THE INTERSECTION OF THE PROPERTY AND LAND LINES.
 2. PROPERTY IS SUBJECT TO UTILITY SERVICES AND UNDERGROUND UTILITY LINES NOT LOCATED.

OWNER CERTIFICATION:
 WE HEREBY CERTIFY THAT WE THE OWNERS OF THE PROPERTY SHOWN AND DESCRIBED HEREON AND THAT WE ADOPT THE PLAN OF THE SUBDIVISION AND DEDICATED PERPETUAL USE OF ALL STREETS AND EASEMENTS AS NOTED AND WE FURTHER CERTIFY THAT WE HAVE READ AND ACKNOWLEDGED THE FOLLOWING STATEMENT.

SURVEYOR'S CERTIFICATION :
 THIS IS TO CERTIFY I HAVE ON THIS DATE SURVEYED THE ABOVE DESCRIBED PROPERTY IN ACCORDANCE WITH MONUMENTS FOUND AND THIS PLAT CONFORMS TO THAT SURVEYED.

H&S HIME PROFESSIONAL SURVEYING SERVICES
 POB No. 353
 BROOKLAND, ARKANSAS 72417



- LEGEND**
- These standard symbols will be found in the drawing.
- FOUND CORNER AS NOTED
 - SET 1/2" REBAR W/ CAP
 - ⊙ FD COTTON PICKER SPINDLE
 - ▲ HIGHWAY RIGHT OF WAY MARKER
 - ⊙ FOUND REBAR
 - △ CALCULATED CORNER
 - — — FENCE LINE
 - — — ELECTRIC
 - ⊙ SET PK NAIL
 - ⊙ POWER POLE

SE CORNER OF THE SOUTH-WEST QUARTER OF THE SOUTH-WEST QUARTER OF SECTION 3, TOWNSHIP 13 NORTH, RANGE 3 EAST AS MERRELL ESTATES, PHASE I, JONESBORO, AR. PLAT "C" @ PAGE 177

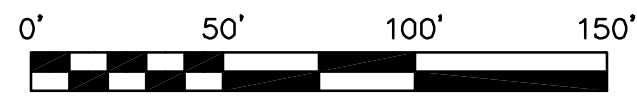
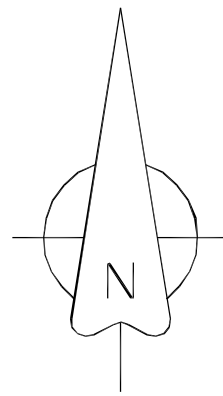
H&S HIME PROFESSIONAL SURVEYING SERVICES
 POB NO. 353
 BROOKLAND, ARKANSAS 72417
 PHONE: 870-972-1288
 FAX: 870-972-1011
 E-MAIL: h&shime_butch@yahoo.com

PRELIMINARY PLAT - NOT FOR RECORD
MERRELL ESTATES, PHASE III
JONESBORO, ARKANSAS

DATE:
 REV:



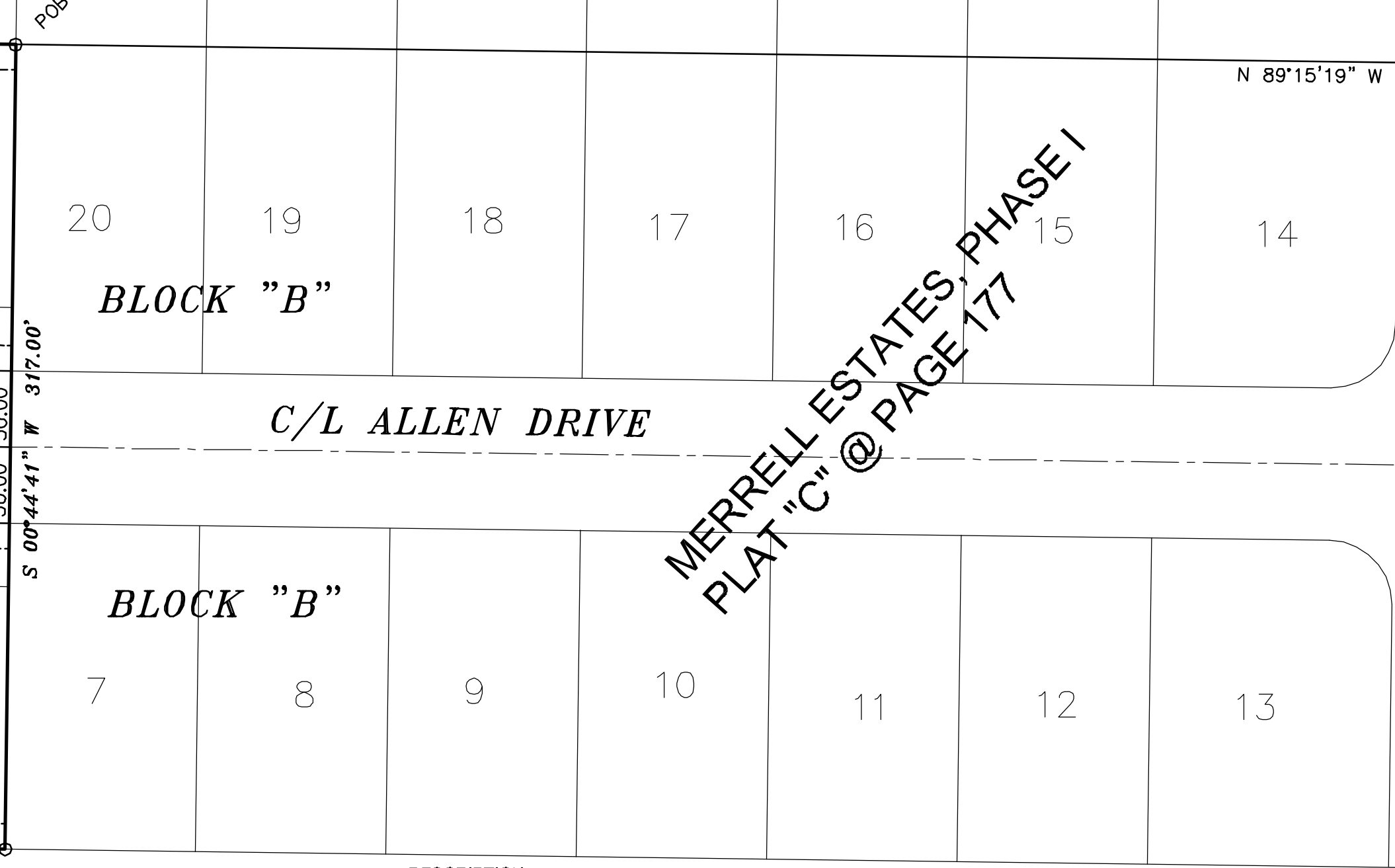
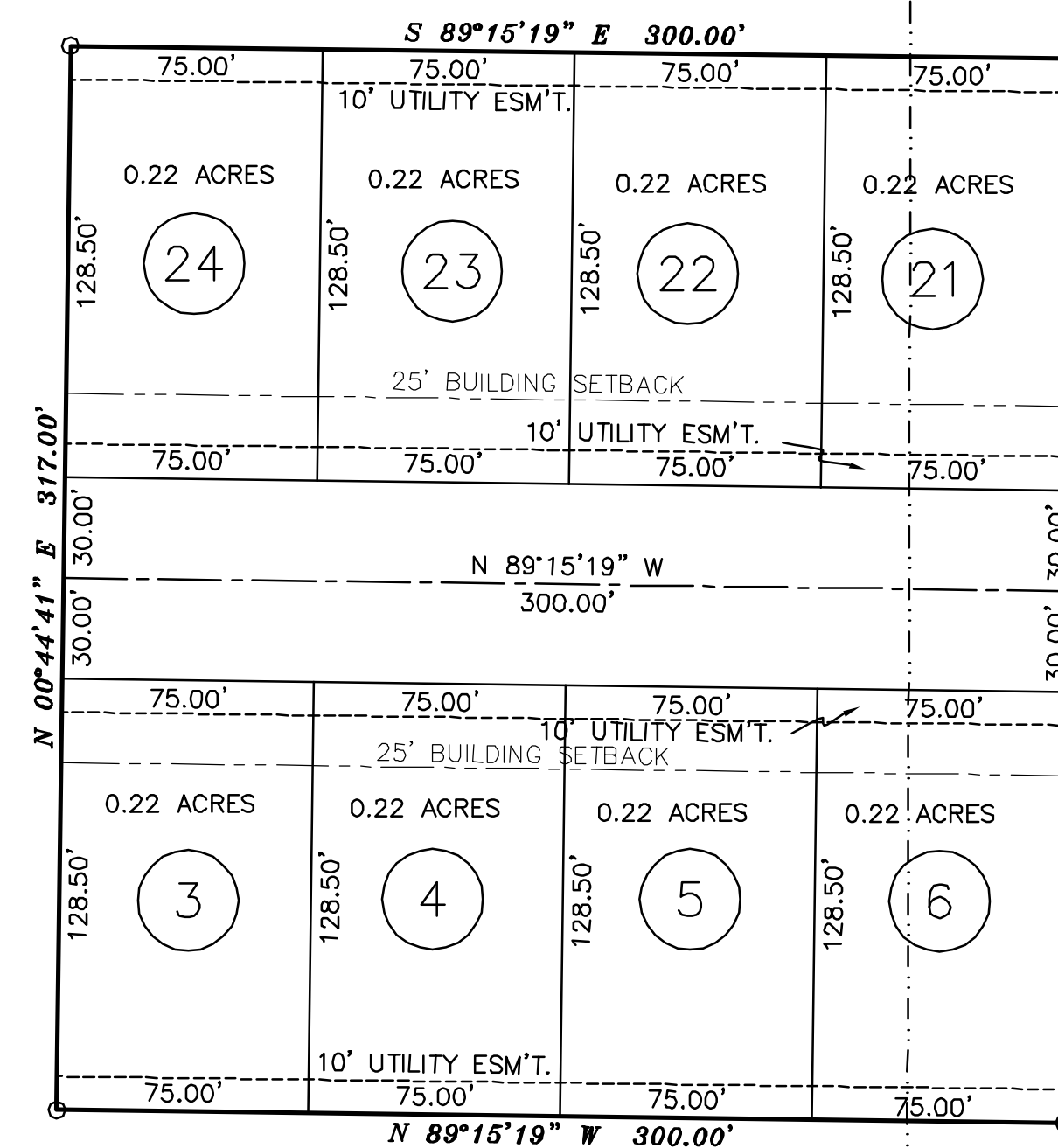
HERBERT C. HIME
 STATE OF ARKANSAS
 PROFESSIONAL LAND SURVEYOR
 PLS # 1142



LEGEND

These standard symbols will be found in the drawing.

- FOUND CORNER AS NOTED
- SET 1/2" REBAR W/ CAP
- ⊙ FD COTTON PICKER SPINDLE
- ▲ HIGHWAY RIGHT OF WAY MARKER
- ⊙ FOUND REBAR
- △ CALCULATED CORNER
- +—+— FENCE LINE
- E—E— ELECTRIC
- SET PK NAIL
- ⊙ POWER POLE



MAPPING POINT
N-529130.12
E-1677776.91

SECTION 4, T13N R4E
SECTION 3, T13N R4E

MERRELL ESTATES, PHASE II
PLAT "C" @ PAGE 226

MERRELL ESTATES, PHASE I
PLAT "C" @ PAGE 177

DESCRIPTION:
A PART OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER (0.35 AC.) OF SECTION 3, TOWNSHIP 13 NORTH, RANGE 3 EAST, AND A PART OF THE SOUTHEAST QUARTER OF THE SOUTHWEST QUARTER (1.83 AC.) OF SECTION 4, TOWNSHIP 13 NORTH, RANGE 4 EAST, CRAIGHEAD COUNTY, ARKANSAS AS BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:
Commencing at the Southeast corner of the Southeast Quarter of the Southeast Quarter of said Section 3; thence North 00°18'25" East 466.62 feet; thence North 76°28'26" West 152.19 feet; thence North 30°39'19" West 171.19 feet; thence North 89°15'19" West 1063.04 feet to the point of beginning proper; thence South 00°44'41" West 317.00 feet; thence North 89°15'19" West 300.00 feet; thence North 00°44'41" East 317.00 feet; thence South 89°15'19" East 300.00 feet; to the point of beginning proper, having an area of 95100.00 square feet, 2.18 acres

- SURVEYOR'S NOTES:
1. BEARINGS ARE STATE PLANE GRID BEARINGS (NAD 83 DATUM) AS PER GPS OBSERVATION ON SITE DURING SURVEY AND ARE TO BE USED TO DEFINE THE GENERAL DIRECTION AND TRUE ANGLE AT THE INTERSECTION OF THE PROPERTY AND LAND LINES.
 2. PROPERTY IS SUBJECT TO UTILITY SERVICES AND UNDERGROUND UTILITY LINES NOT LOCATED.

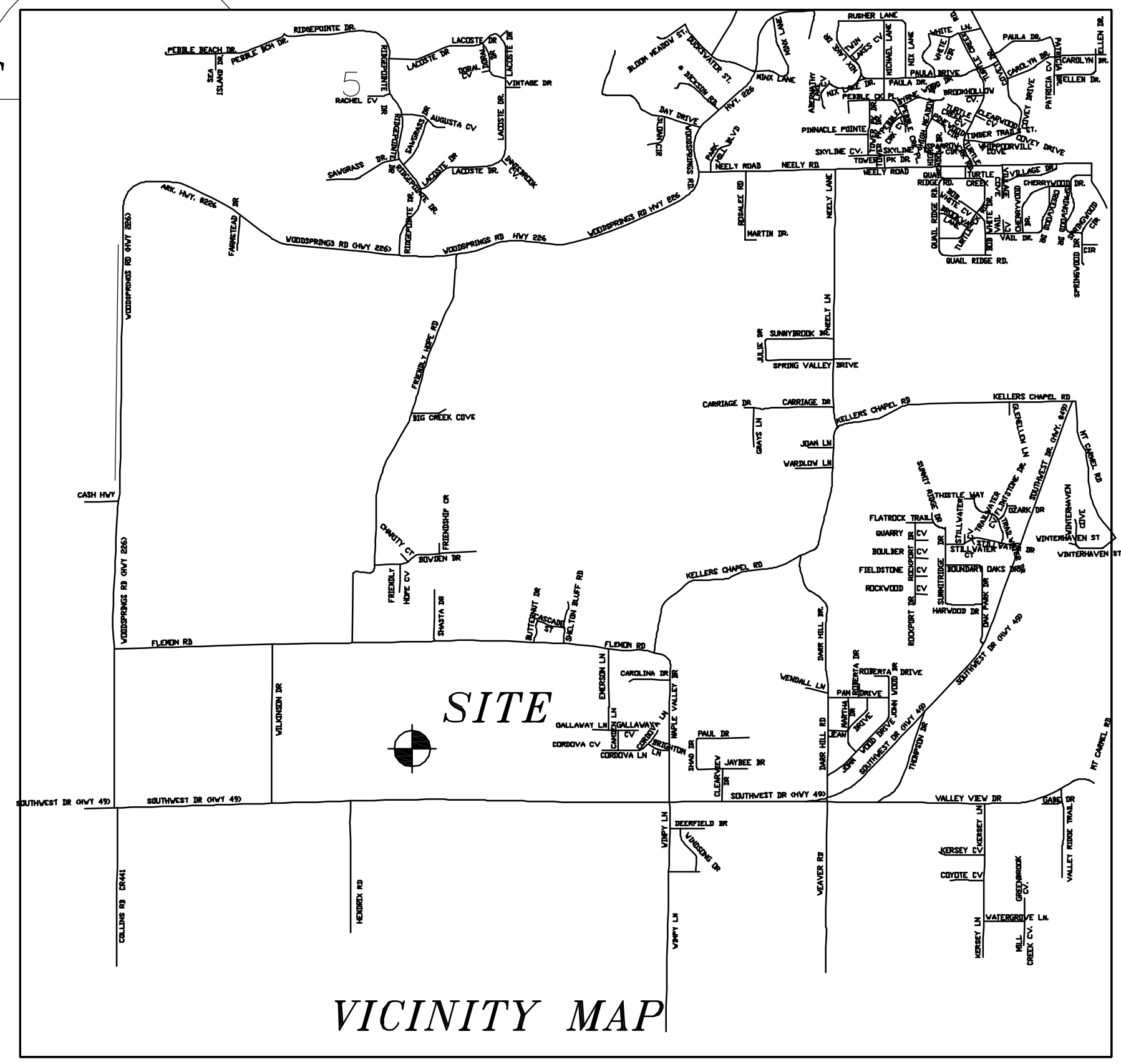
OWNER CERTIFICATION:
WE HEREBY CERTIFY THAT WE THE OWNERS OF THE PROPERTY SHOWN AND DESCRIBED HEREON AND THAT WE ADOPT THE PLAN OF THE SUBDIVISION AND DEDICATED PERPETUAL USE OF ALL STREETS AND EASEMENTS AS NOTED AND WE FURTHER CERTIFY THAT WE HAVE READ AND ACKNOWLEDGED THE FOLLOWING STATEMENT.

R/W MARKER
STA. 257+79.51
PT. 3032

U.S. HIGHWAY No. 49

SURVEYOR'S CERTIFICATION :
THIS IS TO CERTIFY I HAVE ON THIS DATE SURVEYED THE ABOVE DESCRIBED PROPERTY IN ACCORDANCE WITH MONUMENTS FOUND AND THIS PLAT CONFORMS TO THAT SURVEYED.

H&S HIME PROFESSIONAL SURVEYING SERVICES
POB No. 353
BROOKLAND, ARKANSAS 72417



SE CORNER OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 3, TOWNSHIP 13 NORTH, RANGE 3 EAST AS MERRELL ESTATES, PHASE I, JONESBORO, AR. PLAT "C" @ PAGE 177

H&S HIME PROFESSIONAL SURVEYING SERVICES
POB NO. 353
BROOKLAND, ARKANSAS 72417
PHONE: 870-972-1288
FAX: 870-972-1011
E-MAIL: hshime_butch@yahoo.com

PRELIMINARY PLAT - NOT FOR RECORD
MERRELL ESTATES, PHASE IV
JONESBORO, ARKANSAS

DATE: 9-25-2012
REV:
DRAWN BY: HH



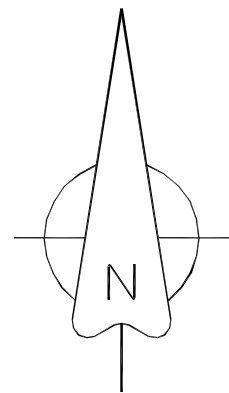
HERBERT C. HIME
STATE OF ARKANSAS
No. 1142
SIGNATURE
PLS # 1142

MAPPING POINT
N-529130.12
E-1677776.91



MERRELL ESTATES, PHASE II
PLAT "C" @ PAGE 226

R-1 ZONING
25' FRONT SETBACK
7.5 SIDE YARD SETBACK
25' REAR SETBACK



LEGEND

These standard symbols will be found in the drawing.

- FOUND CORNER AS NOTED
- SET 1/2" REBAR W/ CAP
- ⊙ FD COTTON PICKER SPINDLE
- ▲ HIGHWAY RIGHT OF WAY MARKER
- ⊙ FOUND REBAR
- △ CALCULATED CORNER
- FENCE LINE
- ELECTRIC
- ⊙ SET PK NAIL
- ⊙ POWER POLE

SECTION 4, T13N R4E

SECTION 3, T13N R4E

MERRELL ESTATES, PHASE I
PLAT "C" @ PAGE 177

R/W MARKER
STA. 257+79.51
PT. 3032

U.S. HIGHWAY No. 49

DESCRIPTION:

A PART OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER (0.37 AC.) OF SECTION 3, TOWNSHIP 13 NORTH, RANGE 3 EAST, AND A PART OF THE SOUTHEAST QUARTER OF THE SOUTHWEST QUARTER (1.81 AC.) OF SECTION 4, TOWNSHIP 13 NORTH, RANGE 4 EAST, CRAIG-HEAD COUNTY, ARKANSAS ARE BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

Commencing at the Southeast corner of the Southeast Quarter of said Section 3; thence North 00°18'25" East 466.62 feet; thence North 76°28'26" West 152.19 feet; thence North 30°39'19" West 171.19 feet; thence North 89°15'19" West 1063.04 feet to the point of beginning proper; thence continue North 89°15'19" West 300.00 feet; thence North 00°44'41" East 317.00 feet; thence South 89°15'19" East 300.00 feet; thence South 00°44'41" West 317.00 feet; to the point of beginning proper, having an area of 95100.00 square feet, 2.18 acres more or less and being subject to all public and private roads and easements.

SURVEYORS NOTES:

1. BEARINGS ARE STATE PLANE GRID BEARINGS (NAD 83 DATUM) AS PER GPS OBSERVATION ON SITE DURING SURVEY AND ARE TO BE USED TO DEFINE THE GENERAL DIRECTION AND TRUE ANGLE AT THE INTERSECTION OF THE PROPERTY AND LAND LINES.
2. PROPERTY IS SUBJECT TO UTILITY SERVICES AND UNDERGROUND UTILITY LINES NOT LOCATED.

OWNER CERTIFICATION:

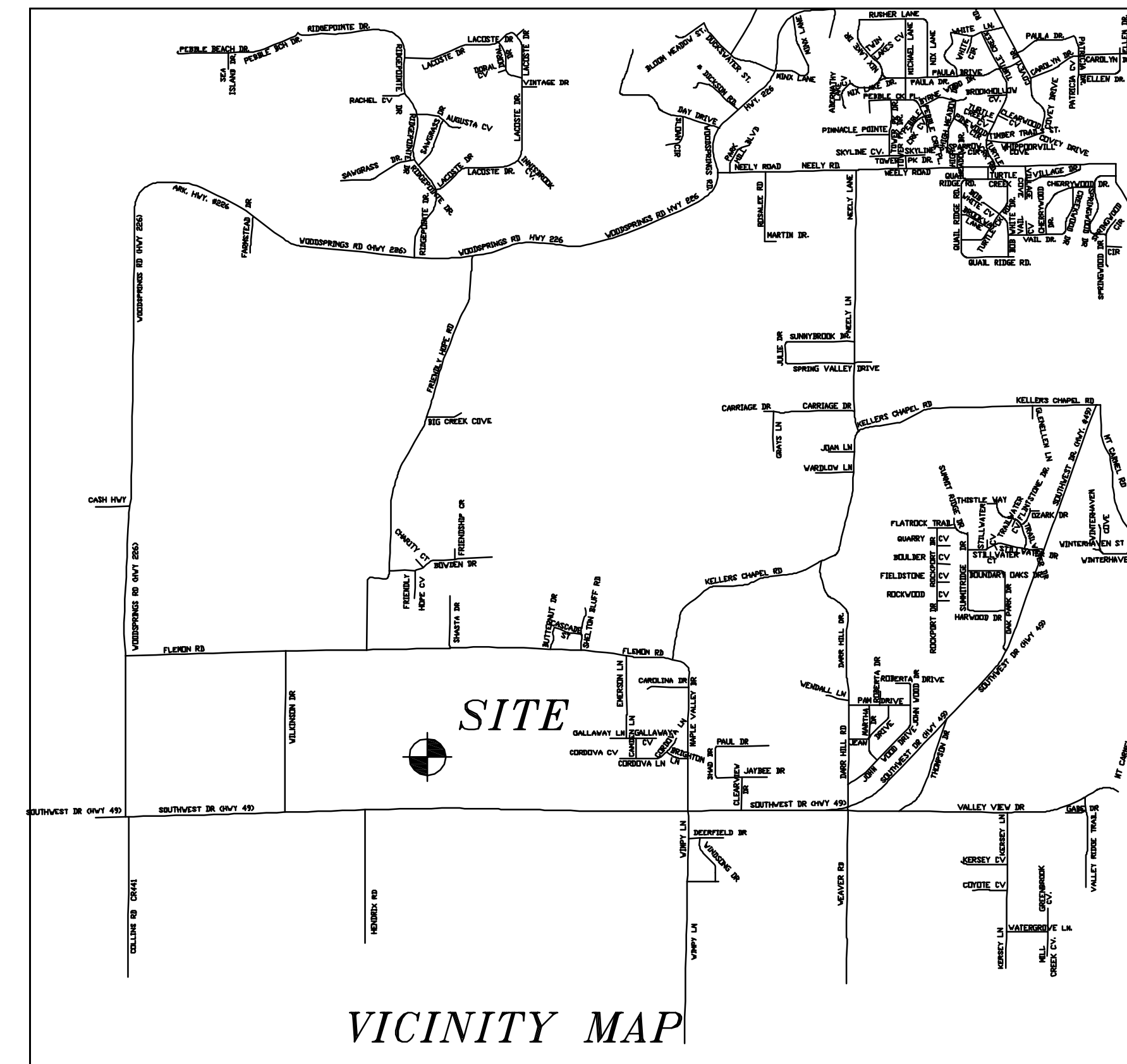
WE HEREBY CERTIFY THAT WE THE OWNERS OF THE PROPERTY SHOWN AND DESCRIBED HEREON AND THAT WE ADOPT THE PLAN OF THE SUBDIVISION AND DEDICATED PERPETUAL USE OF ALL STREETS AND EASEMENTS AS NOTED AND WE FURTHER CERTIFY THAT WE HAVE READ AND ACKNOWLEDGED THE FOLLOWING STATEMENT.

SURVEYOR'S CERTIFICATION :

THIS IS TO CERTIFY I HAVE ON THIS DATE SURVEYED THE ABOVE DESCRIBED PROPERTY IN ACCORDANCE WITH MONUMENTS FOUND AND THIS PLAT CONFORMS TO THAT SURVEYED.

H&S HIME PROFESSIONAL SURVEYING SERVICES

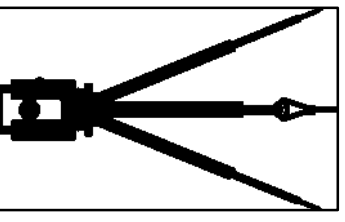
POB No. 353
BROOKLAND, ARKANSAS 72417



VICINITY MAP

SE CORNER OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 3, TOWNSHIP 13 NORTH, RANGE 3 EAST AS MERRELL ESTATES, PHASE I, JONESBORO, AR. PLAT "C" @ PAGE 177

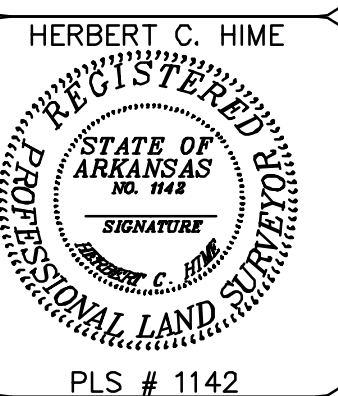
H&S HIME PROFESSIONAL SURVEYING SERVICES
PHONE: 870-972-1288
FAX: 870-972-1011
E-MAIL: hshime_butcher@yahoo.com



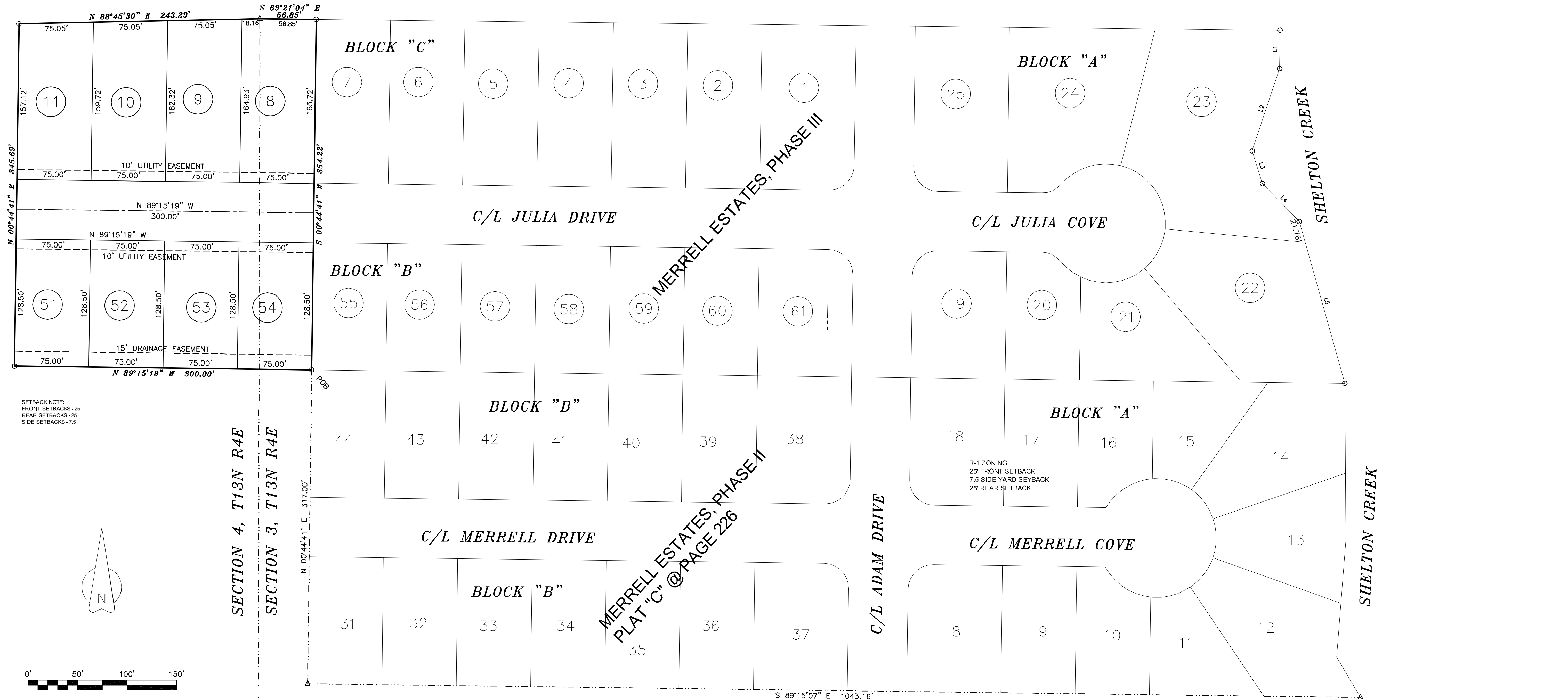
PRELIMINARY PLAT - NOT FOR RECORD
MERRELL ESTATES, PHASE V
JONESBORO, ARKANSAS

DATE: 9-25-2012
REV:

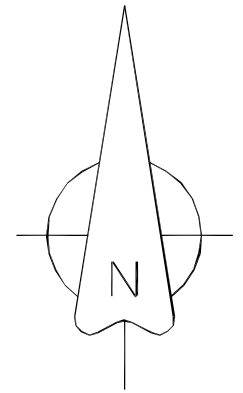
DRAWN BY: HH



PLS # 1142



SETBACK NOTE:
FRONT SETBACKS - 25'
REAR SETBACKS - 25'
SIDE SETBACKS - 15'



LEGEND

These standard symbols will be found in the drawing.

- FOUND CORNER AS NOTED
- SET 1/2" REBAR W/ CAP
- FD COTTON PICKER SPINDLE
- ▲ HIGHWAY RIGHT OF WAY MARKER
- ⊙ FOUND REBAR
- △ CALCULATED CORNER
- FENCE LINE
- ELECTRIC
- SET PK NAIL
- ⊕ POWER POLE

R/W MARKER
STA. 257+79.51
PT. 3032

U.S. HIGHWAY No. 49

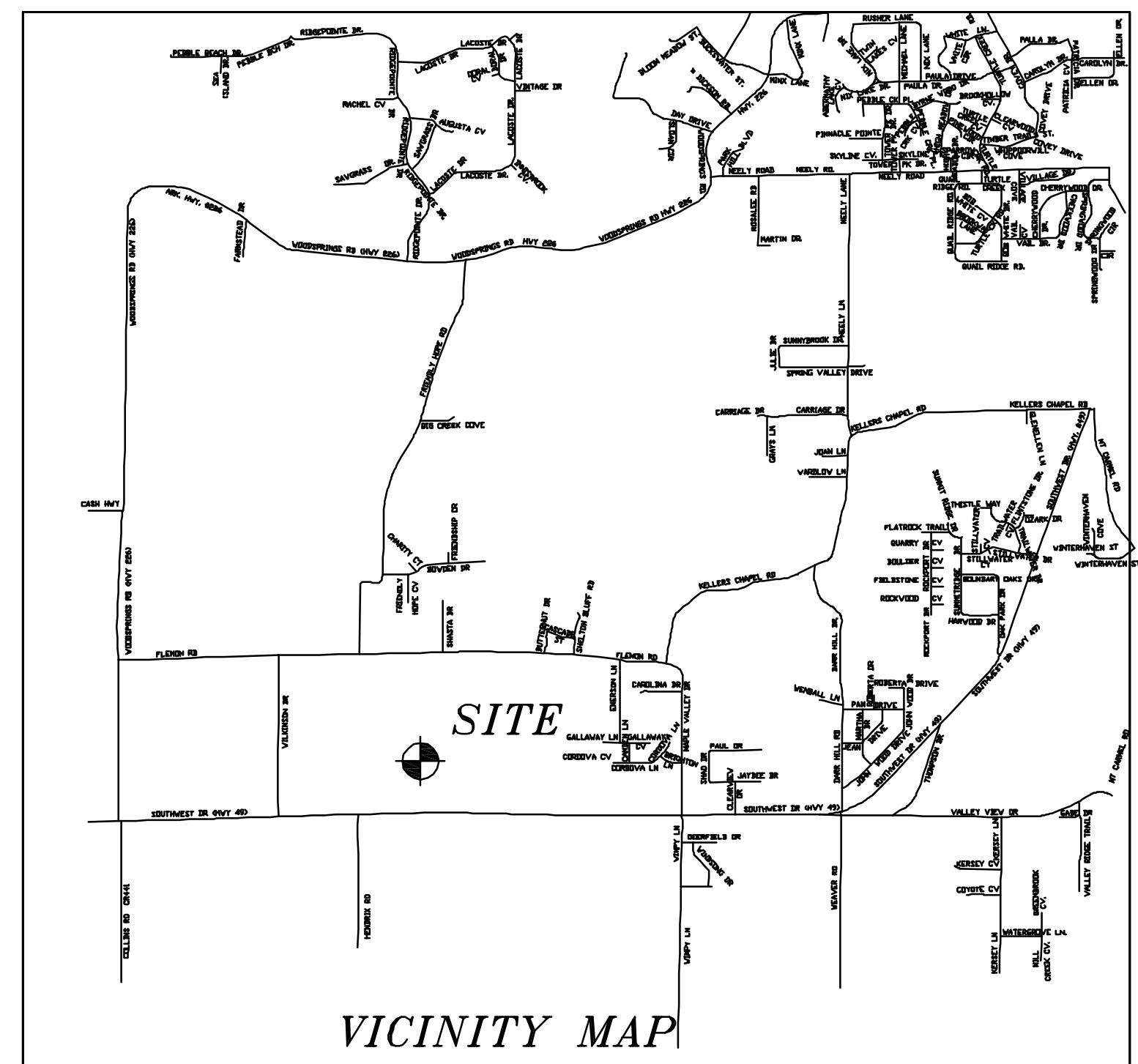
DESCRIPTION:
A PART OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER (0.45 AC.) OF SECTION 3 AND A PART OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER (1.97 AC.) OF SECTION 4, TOWNSHIP 13 NORTH, RANGE 3 EAST, CRAIGHEAD COUNTY, ARKANSAS AN BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:
Commencing at the Southeast corner of the Southeast Quarter of said Section 3; thence North 00°18'25" East 466.62 feet; thence North 76°28'26" West 152.19 feet; thence North 30°39'19" West 171.19 feet; thence North 89°15'19" West 1063.04 feet; thence North 00°44'41" East 317.00 feet to the point of beginning proper;
commencing at; thence North 89°15'19" West 300.00 feet; thence North 00°44'41" East 345.69 feet; thence North 88°45'30" East 243.29 feet; thence South 89°21'04" East 56.85 feet; thence South 00°44'41" West 354.22 feet; to the point of beginning proper, having an area of 105214.11 square feet, 2.42 acres more or less and being subject to all public and private roads and easements.

SURVEYOR'S NOTES:
1. BEARINGS ARE STATE PLANE GRID BEARINGS (NAD 83 DATUM) AS PER GPS OBSERVATION ON SITE DURING SURVEY AND ARE TO BE USED TO DEFINE THE GENERAL DIRECTION AND TRUE ANGLE AT THE INTERSECTION OF THE PROPERTY AND LAND LINES.
2. PROPERTY IS SUBJECT TO UTILITY SERVICES AND UNDERGROUND UTILITY LINES NOT LOCATED.

OWNER CERTIFICATION:
WE HEREBY CERTIFY THAT WE THE OWNERS OF THE PROPERTY SHOWN AND DESCRIBED HEREON AND THAT WE ADOPT THE PLAN OF THE SUBDIVISION AND DEDICATED PERPETUAL USE OF ALL STREETS AND EASEMENTS AS NOTED AND WE FURTHER CERTIFY THAT WE HAVE READ AND ACKNOWLEDGED THE FOLLOWING STATEMENT.

SURVEYOR'S CERTIFICATION:
THIS IS TO CERTIFY I HAVE ON THIS DATE SURVEYED THE ABOVE DESCRIBED PROPERTY IN ACCORDANCE WITH MONUMENTS FOUND AND THIS PLAT CONFORMS TO THAT SURVEYED.

H&S HIME PROFESSIONAL SURVEYING SERVICES
POB No. 353
BROOKLAND, ARKANSAS 72417



H&S HIME PROFESSIONAL SURVEYING SERVICES
POB NO. 353
BROOKLAND, ARKANSAS 72417
PHONE: 870-972-1288
FAX: 870-972-1011
E-MAIL: hshime_butch@yahoo.com

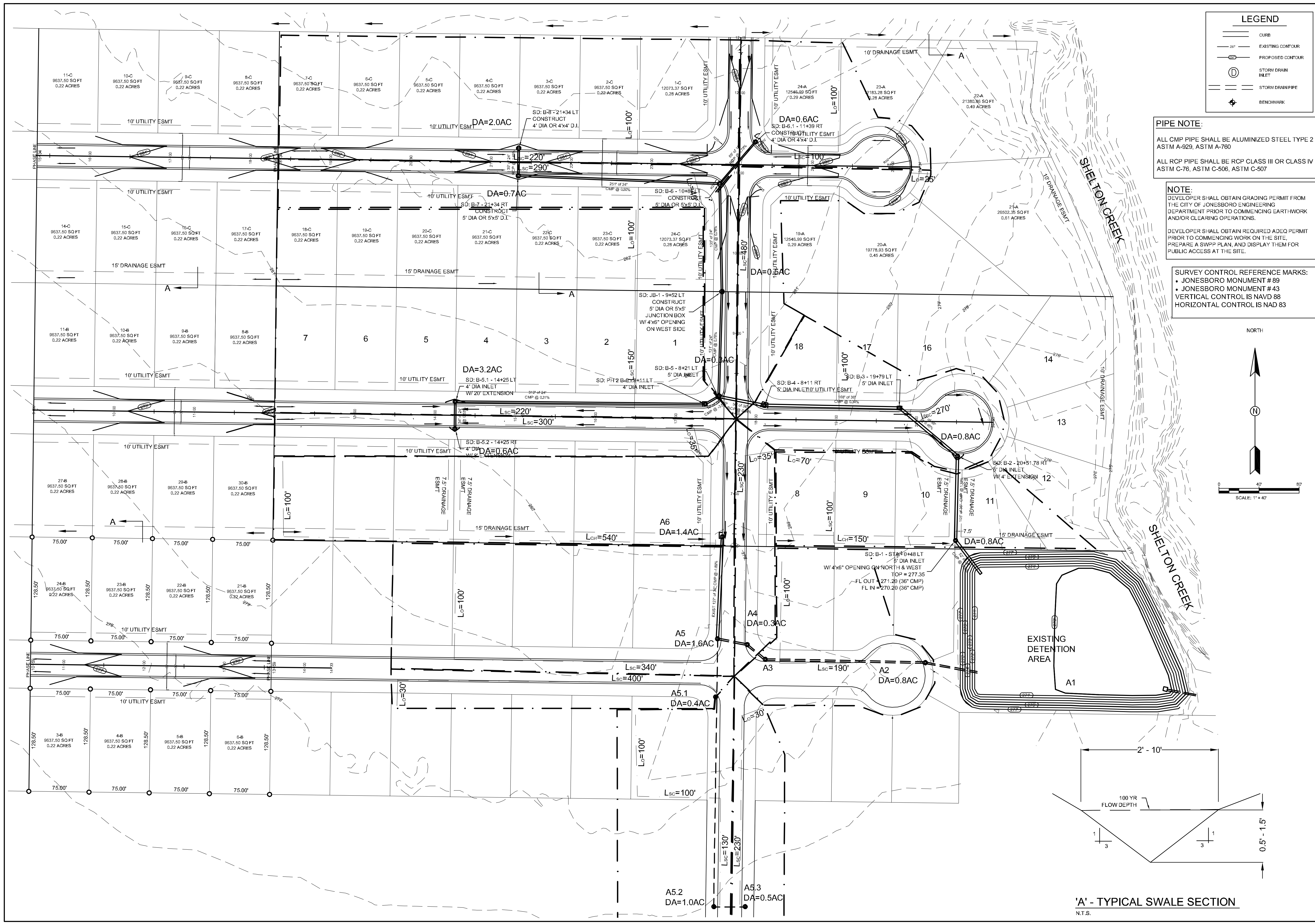
PRELIMINARY PLAT - NOT FOR RECORD
MERRELL ESTATES, PHASE VI
JONESBORO, ARKANSAS

DATE: _____
REV: _____
DRAWN BY: _____

HERBERT C. HIME
STATE OF ARKANSAS
NO. 1432
PROFESSIONAL LAND SURVEYOR

PLS # 1142

SE CORNER OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 3, TOWNSHIP 13 NORTH, RANGE 3 EAST AS MERRELL ESTATES, PHASE I, JONESBORO, AR. PLAT 'C' @ PAGE 177



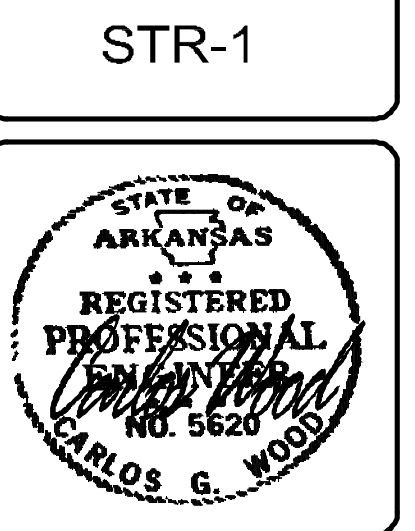
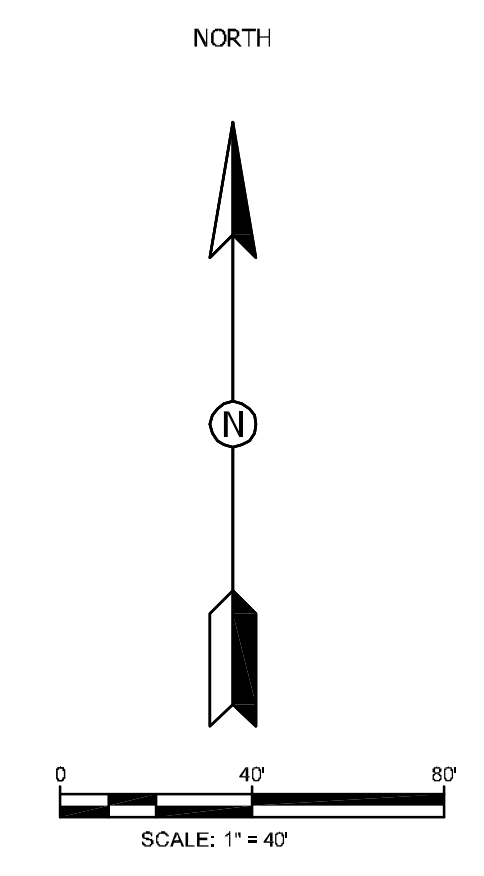
LEGEND

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

PIPE NOTE:
 ALL CMP PIPE SHALL BE ALUMINIZED STEEL TYPE 2
 ASTM A-929, ASTM A-760
 ALL RCP PIPE SHALL BE RCP CLASS III OR CLASS IV
 ASTM C-76, ASTM C-506, ASTM C-507

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.

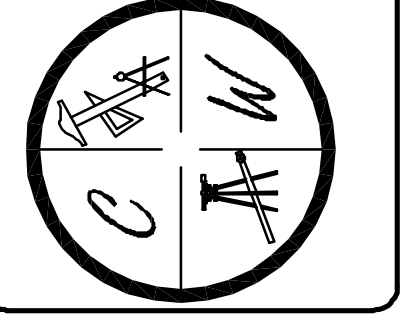
SURVEY CONTROL REFERENCE MARKS:
 • JONESBORO MONUMENT # 89
 • JONESBORO MONUMENT # 43
 VERTICAL CONTROL IS NAVD 88
 HORIZONTAL CONTROL IS NAD 83



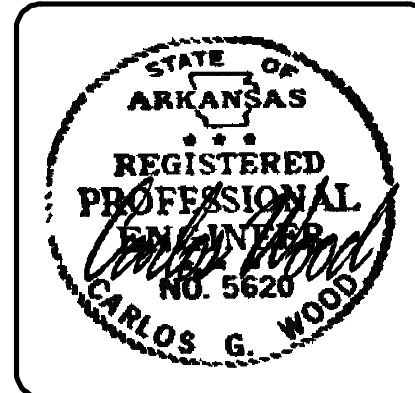
MERRELL ESTATES PHASE III, IV, V, & VI
 JONESBORO, AR
 DRAINAGE
 AREA MAP

DATE: 3/21/12
 REV:
 DRAWN BY: BGM

CARLOS WOOD, P.E.
 ENGINEERING CONSULTANT
 122 CR 375
 BONC, AR 72416
 PHONE: (870) 972-8335
 EMAIL: WOODENR@SBCGLOBAL.NET
 WEBSITE: WWW.WOODENR.COM

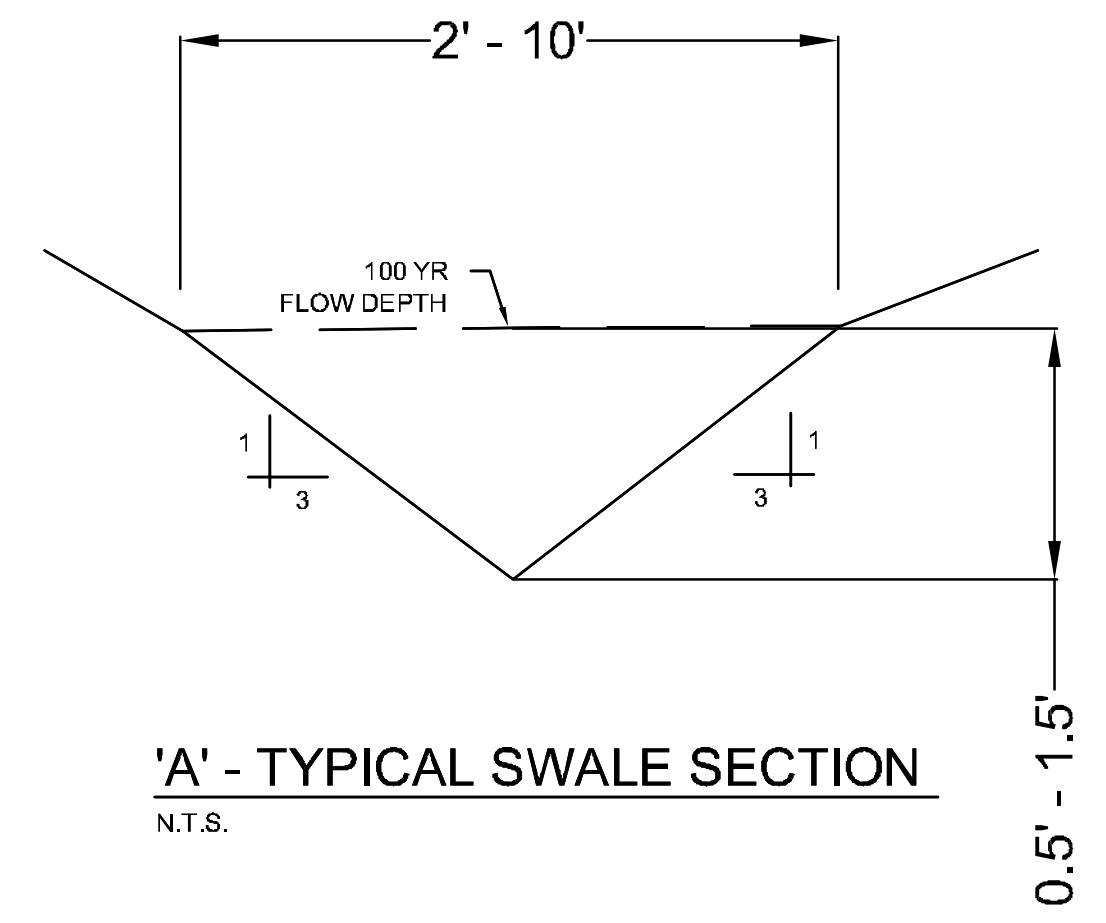
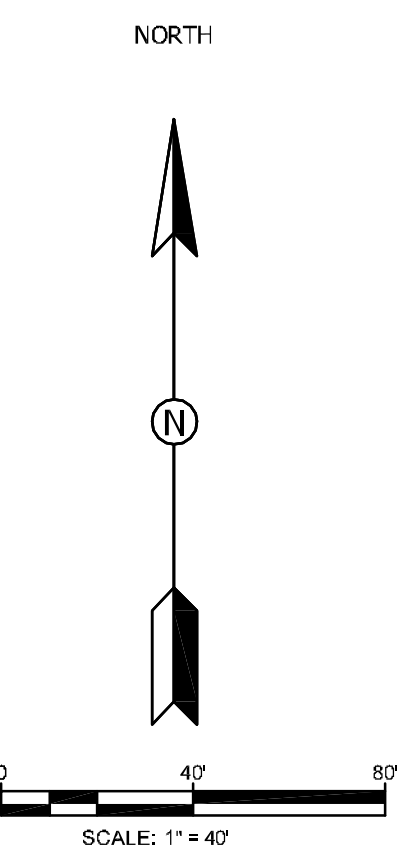
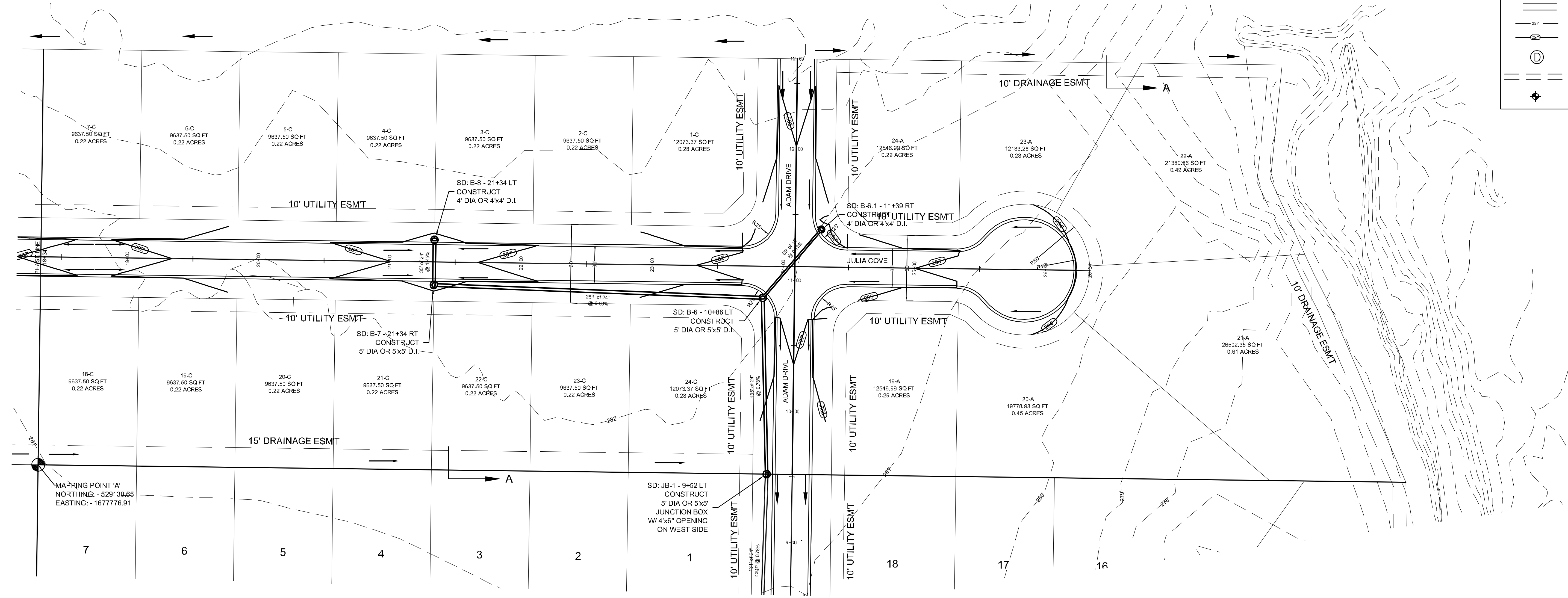


'A' - TYPICAL SWALE SECTION
 N.T.S.



LEGEND

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



PIPE NOTE:

ALL CMP PIPE SHALL BE ALUMINIZED STEEL TYPE 2
ASTM A-929, ASTM A-760

ALL RCP PIPE SHALL BE RCP CLASS III OR CLASS IV
ASTM C-76, ASTM C-506, ASTM C-507

NOTE:

DEVELOPER SHALL OBTAIN GRADING PERMIT FROM THE CITY OF JONESBORO ENGINEERING DEPARTMENT PRIOR TO COMMENCING EARTH-WORK 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.

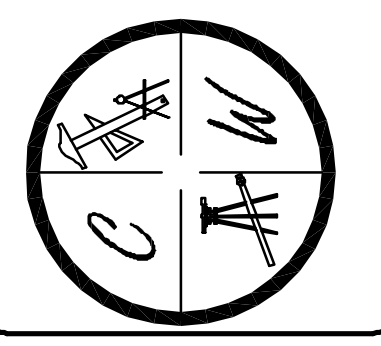
SURVEY CONTROL REFERENCE MARKS:

- JONESBORO MONUMENT # 89
- JONESBORO MONUMENT # 43
- VERTICAL CONTROL IS NAVD 88
- HORIZONTAL CONTROL IS NAD 83

MERRELL ESTATE PHASE III
JONESBORO, AR
TOPOGRAPHY &
DRAINAGE PLAN

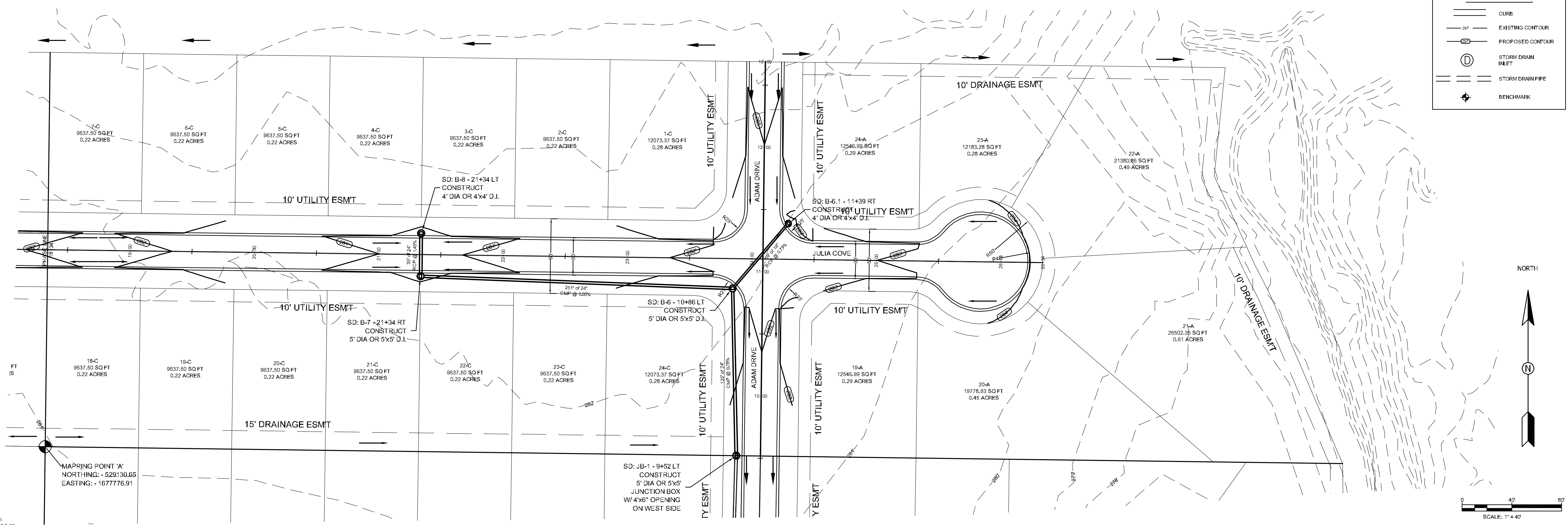
DATE: 3 21 12
REV: _____
DRAWN BY: BGM

CARLOS WOOD, P.E.
ENGINEERING CONSULTANT
122 CR 375
BONO, AR 72416
PHONE: (870) 972-8335
EMAIL: WOODENR@SBCGLOREAL.NET
WEBSITE: WWW.WOODENR.COM



LEGEND

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



PIPE NOTE:

ALL CMP PIPE SHALL BE ALUMINIZED STEEL TYPE 2
ASTM A-929, ASTM A-760

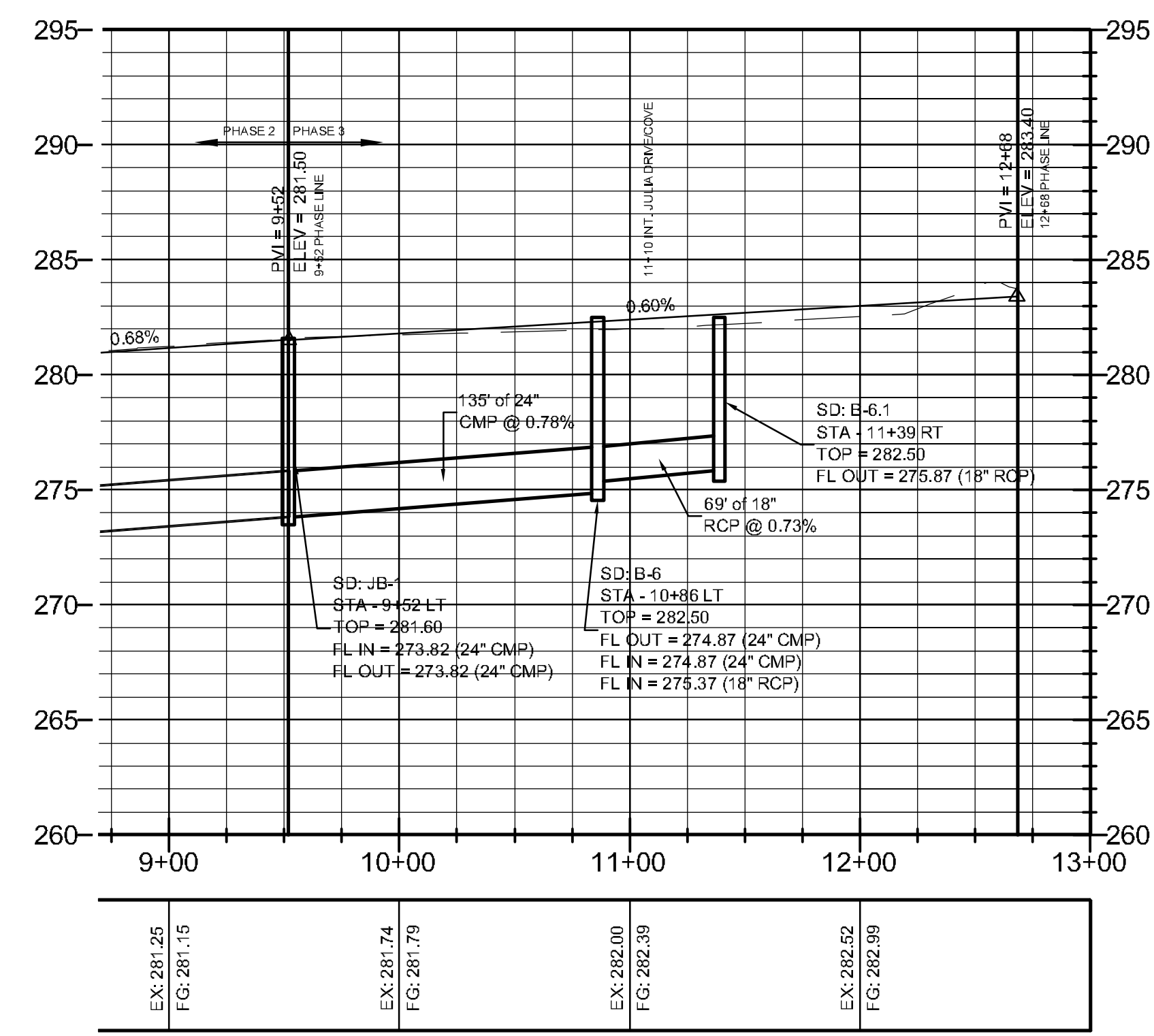
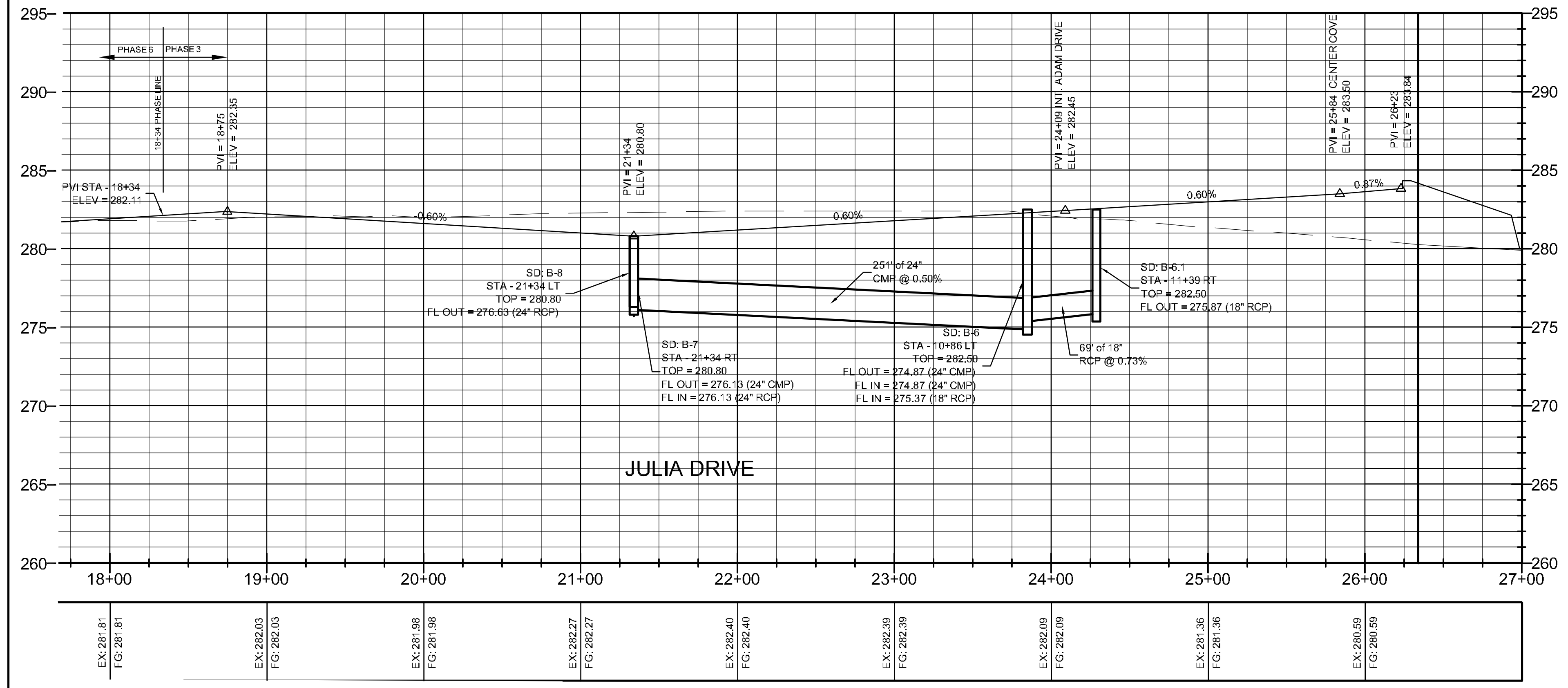
ALL RCP PIPE SHALL BE RCP CLASS III OR CLASS IV
ASTM C-76, ASTM C-506, ASTM C-507

NOTE:

DEVELOPER SHALL OBTAIN GRADING PERMIT FROM THE CITY OF JONESBORO ENGINEERING DEPARTMENT PRIOR TO COMMENCING EARTH-WORK 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.

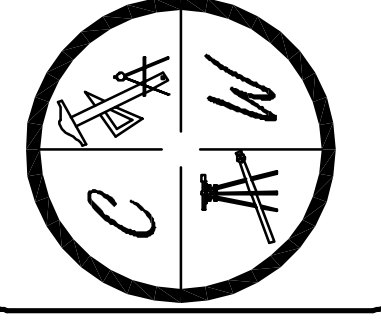
PROFILE SCALE:
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 5'

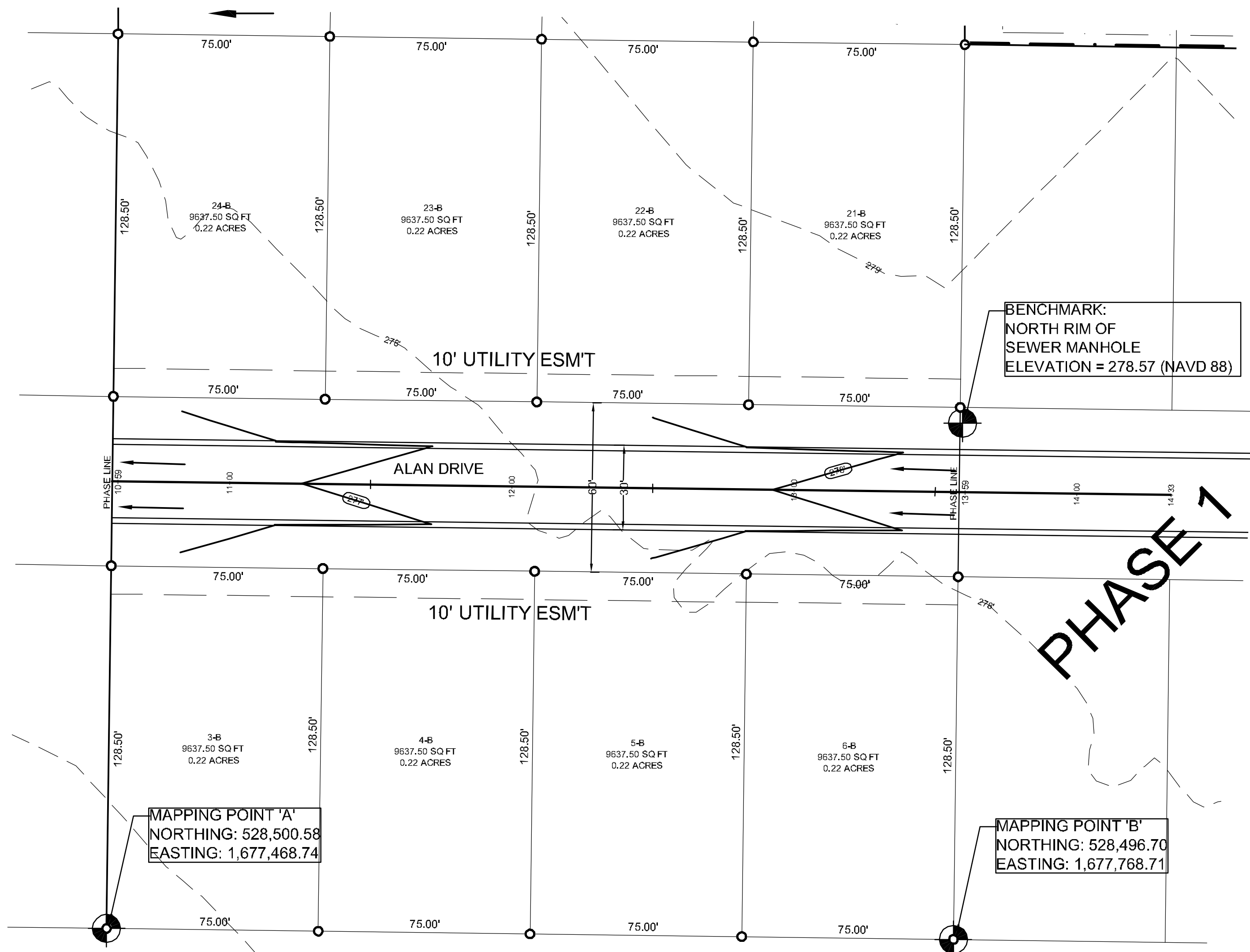


MERRELL ESTATES PHASE III
JONESBORO, AR
ADAM DRIVE & JULIA DRIVE/COVE
PLAN & PROFILE

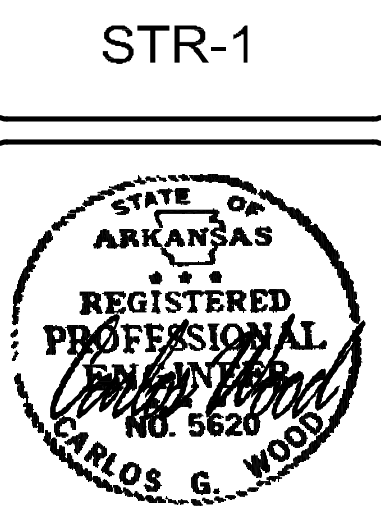
DATE: 3/21/12
REV:
DRAWN BY: BGM

CARLOS WOOD, P.E.
ENGINEERING CONSULTANT
122 CR 375
BONIC, AR 72416
PHONE: (870) 972-8335
EMAIL: WOODENGR@SBCGLOBAL.NET
WEBSITE: WWW.WOODENGR.COM





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

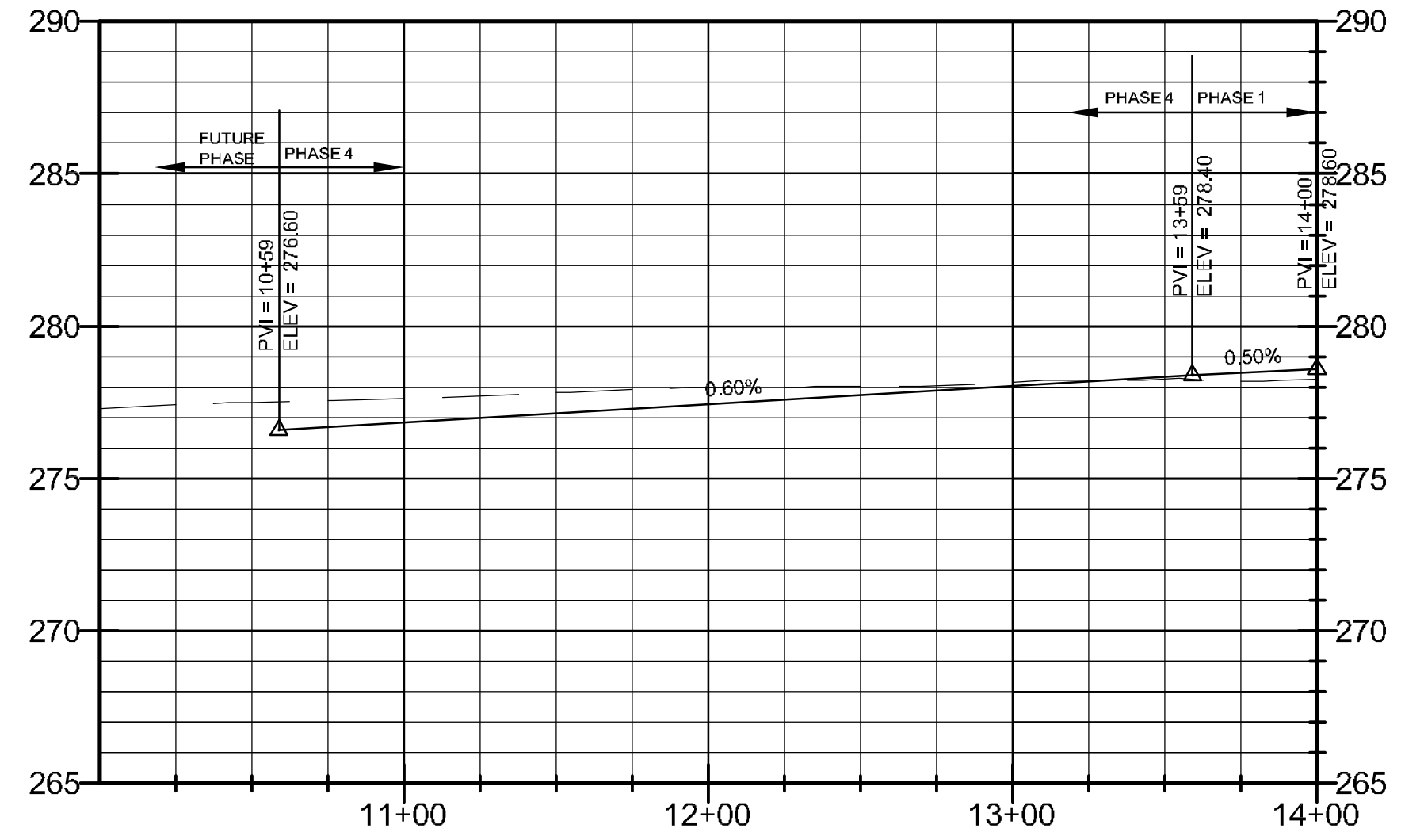
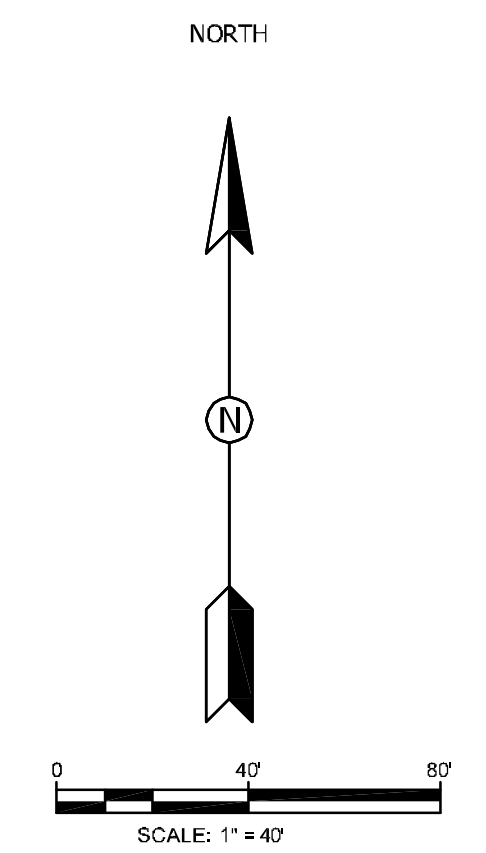
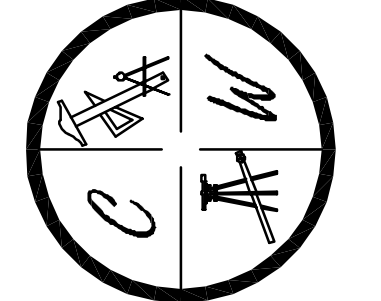


MERRELL ESTATES PHASE IV
JONESBORO, AR

TOPOGRAPHY, DRAINAGE
 ALAN DRIVE PLAN & PROFILE

DATE: 3/21/12
 REV: _____
 DRAWN BY: BSM

CARLOS WOOD, P.E.
 ENGINEERING CONSULTANT
 122 CR 375
 BONC, AR 72416
 PHONE: (870) 972-8335
 EMAIL: WOODENGR@SBCGLOREAL.NET
 WEBSITE: WWW.WOODENGR.COM



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

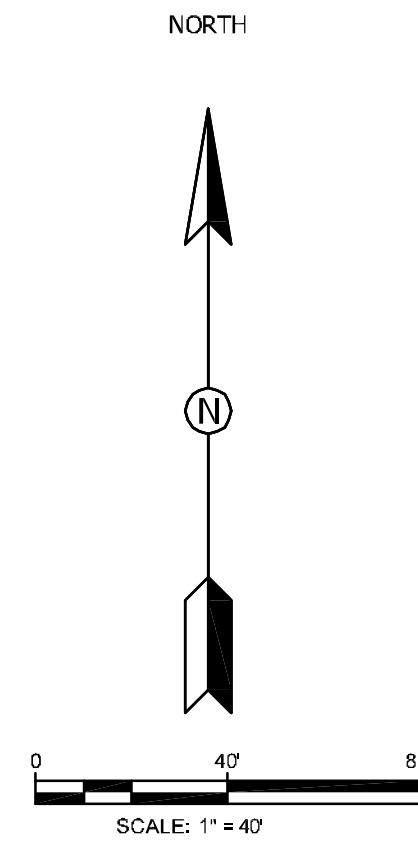
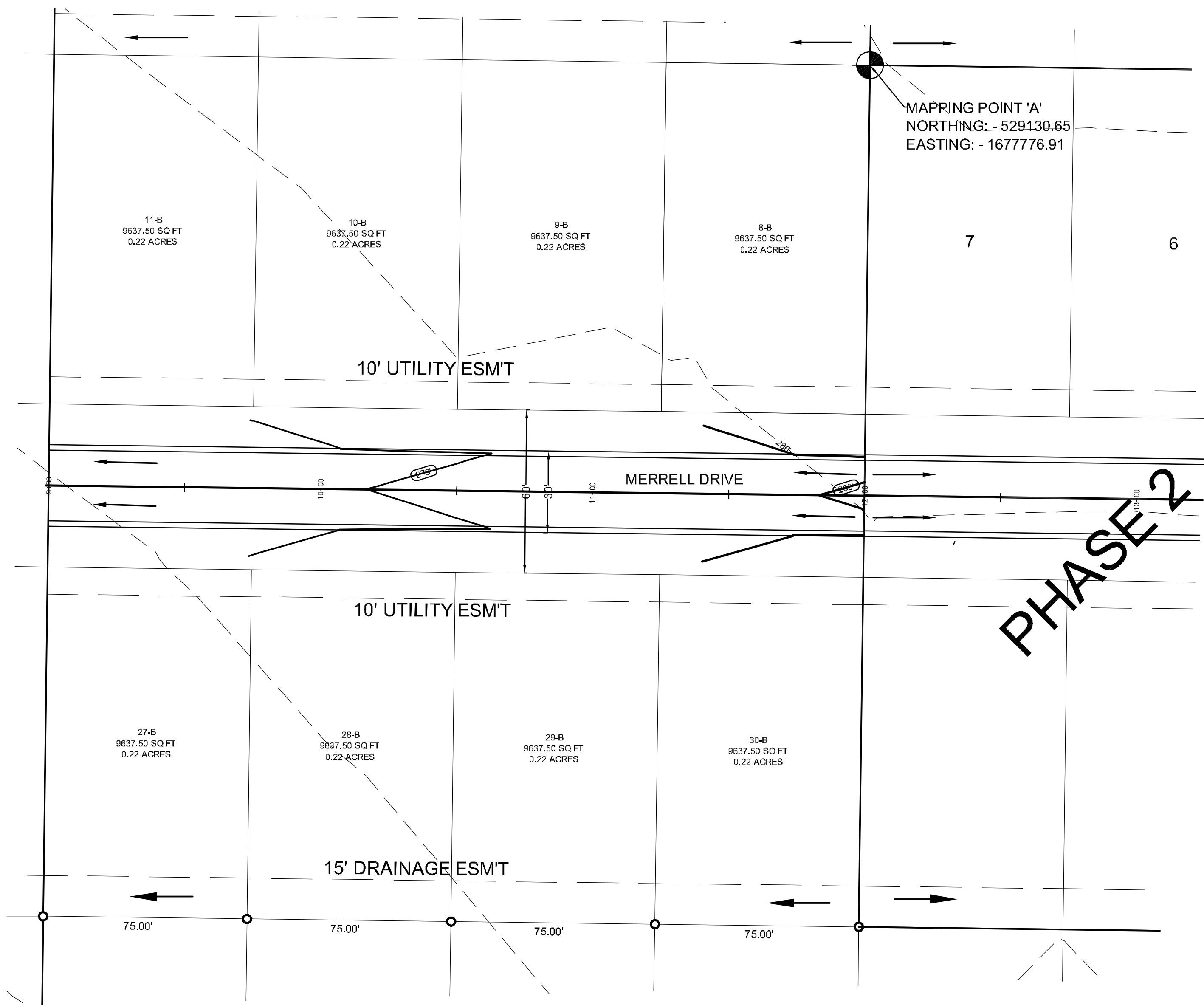
E.X: 277.62 F.G: 277.62	E.X: 278.00 F.G: 278.00	E.X: 278.16 F.G: 278.16
----------------------------	----------------------------	----------------------------

ALAN DRIVE

PIPE NOTE:
 ALL CMP PIPE SHALL BE ALUMINIZED STEEL TYPE 2
 ASTM A-929, ASTM A-760
 ALL RCP PIPE SHALL BE RCP CLASS III OR CLASS IV
 ASTM C-76, ASTM C-506, ASTM C-507

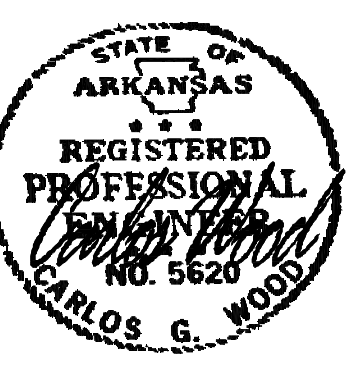
NOTE:
 DEVELOPER SHALL OBTAIN GRADING PERMIT FROM THE CITY OF JONESBORO ENGINEERING DEPARTMENT PRIOR TO COMMENCING EARTHWORK AND/OR CLEARING OPERATIONS.
 DEVELOPER SHALL OBTAIN REQUIRED ADEQ PERMIT PRIOR TO COMMENCING WORK ON THE SITE, PREPARE A SWPP PLAN, AND DISPLAY THEM FOR PUBLIC ACCESS AT THE SITE.

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

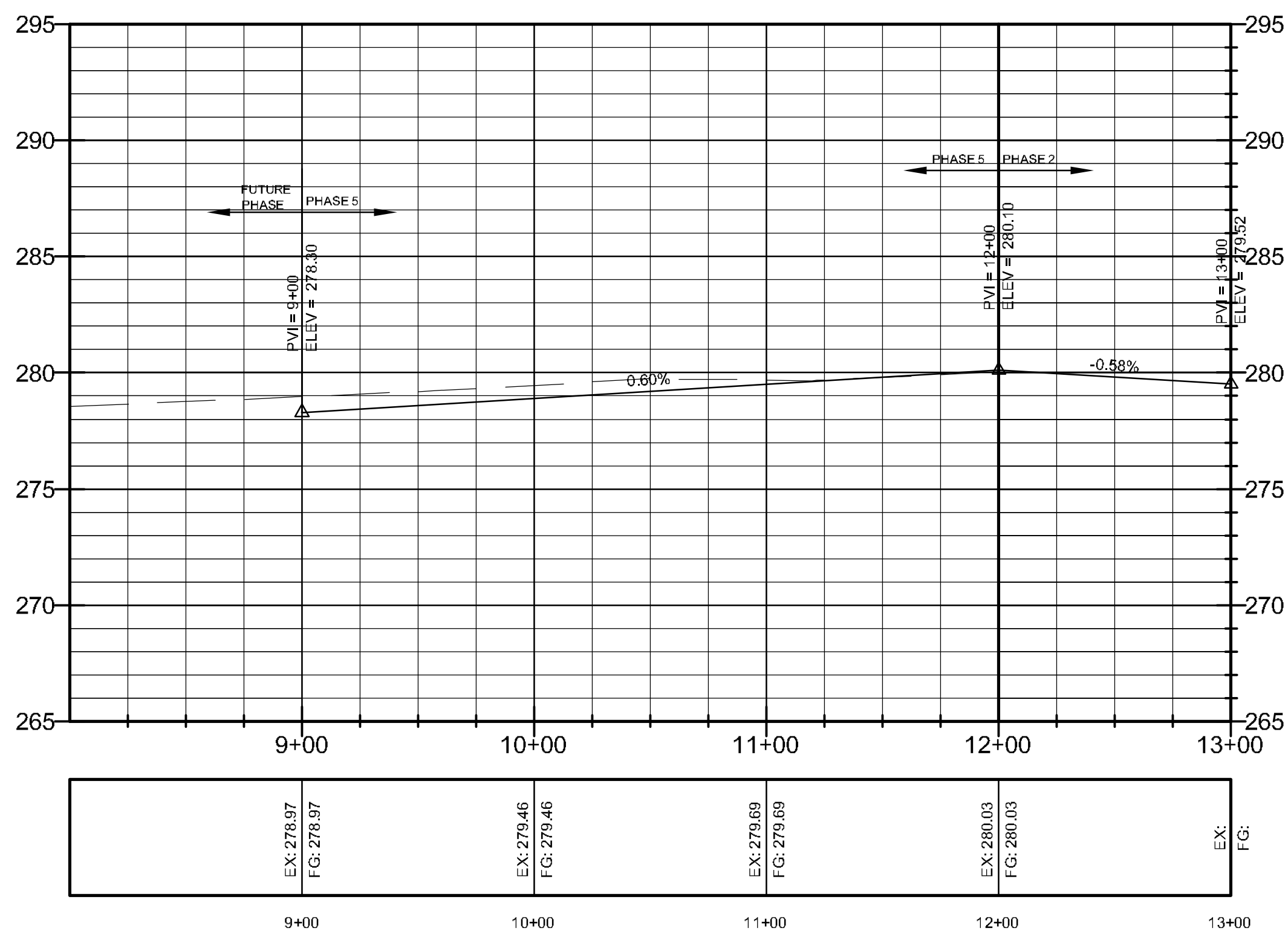


LEGEND	
	CURB
	EXISTING CONTOUR
	PROPOSED CONTOUR
	STORM DRAIN INLET
	STORM DRAIN PIPE
	BENCHMARK

STR-1



MERRELL ESTATES PHASE V
JONESBORO, AR
 TOPOGRAPHY, DRAINAGE
 MERRELL DRIVE PLAN & PROFILE



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

MERRELL DRIVE

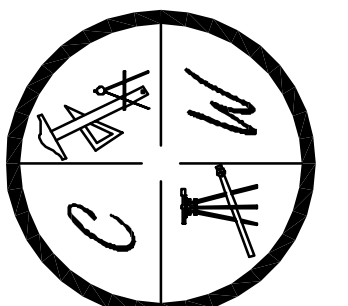
PIPE NOTE:
 ALL CMP PIPE SHALL BE ALUMINIZED STEEL TYPE 2
 ASTM A-929, ASTM A-760
 ALL RCP PIPE SHALL BE RCP CLASS III OR CLASS IV
 ASTM C-76, ASTM C-506, ASTM C-507

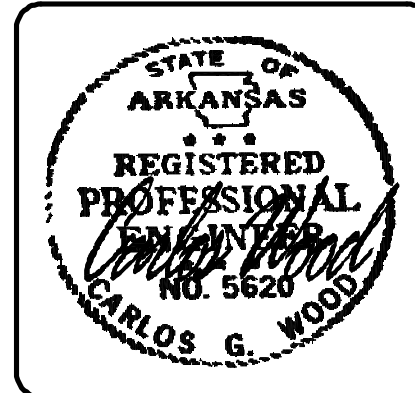
NOTE:
 DEVELOPER SHALL OBTAIN GRADING PERMIT FROM THE
 CITY OF JONESBORO ENGINEERING DEPARTMENT PRIOR TO
 COMMENCING EARTHWORK AND/OR CLEARING OPERATIONS.
 DEVELOPER SHALL OBTAIN REQUIRED ADEQ PERMIT PRIOR TO
 COMMENCING WORK ON THE SITE, PREPARE A SWPP PLAN,
 AND DISPLAY THEM FOR PUBLIC ACCESS AT THE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

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

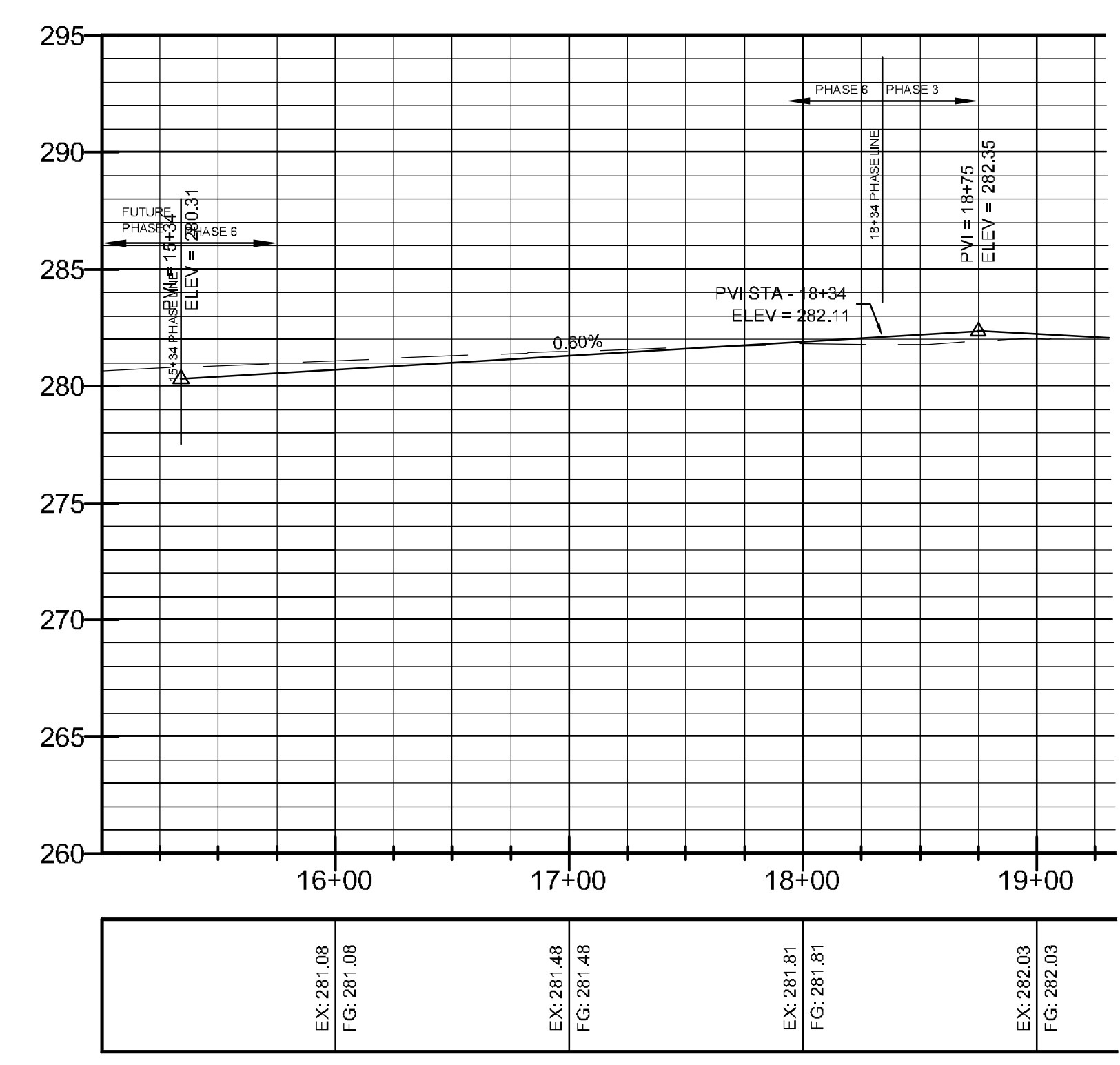
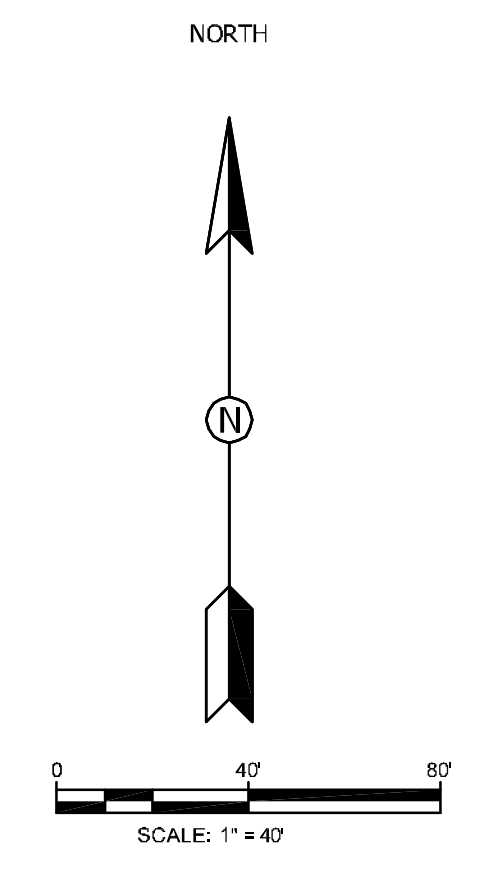
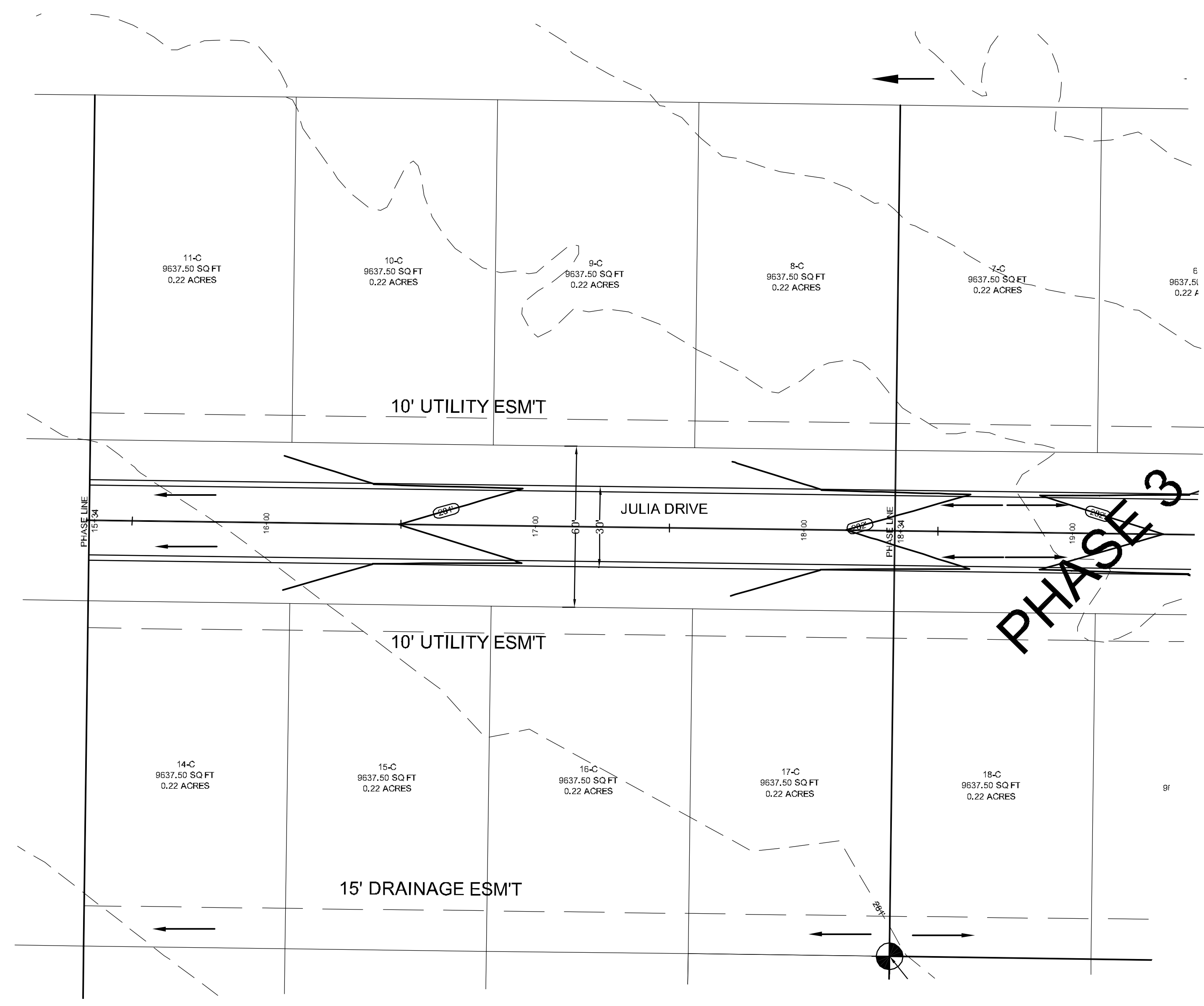
DATE: 3/21/12
 REV:
 DRAWN BY: BGM

CARLOS WOOD, P.E.
 ENGINEERING CONSULTANT
 122 CR 375
 BONC, AR 72416
 PHONE: (870) 972-8335
 EMAIL: WOODENGR@SBCGLOBAL.NET
 WEBSITE: WWW.WOODENGR.COM





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



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

EX: 281.08 FG: 281.08	EX: 281.48 FG: 281.48	EX: 281.81 FG: 281.81	EX: 282.03 FG: 282.03
--------------------------	--------------------------	--------------------------	--------------------------

JULIA DRIVE

PIPE NOTE:
 ALL CMP PIPE SHALL BE ALUMINIZED STEEL TYPE 2
 ASTM A-929, ASTM A-760
 ALL RCP PIPE SHALL BE RCP CLASS III OR CLASS IV
 ASTM C-76, ASTM C-506, ASTM C-507

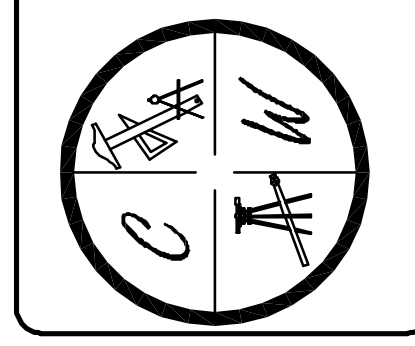
NOTE:
 DEVELOPER SHALL OBTAIN GRADING PERMIT FROM THE
 CITY OF JONESBORO ENGINEERING DEPARTMENT PRIOR TO
 COMMENCING EARTH-WORK AND/OR CLEARING OPERATIONS.
 DEVELOPER SHALL OBTAIN REQUIRED ADEQ PERMIT PRIOR TO
 COMMENCING WORK ON THE SITE, PREPARE A SWPP PLAN,
 AND DISPLAY THEM FOR PUBLIC ACCESS AT THE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

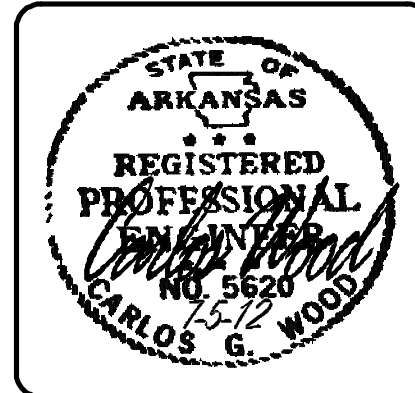
SURVEY CONTROL REFERENCE MARKS:
 • JONESBORO MONUMENT # 89
 • JONESBORO MONUMENT # 43
 VERTICAL CONTROL IS NAVD 88
 HORIZONTAL CONTROL IS NAD 83

MERRELL ESTATES PHASE VI
 JONESBORO, AR
 TOPOGRAPHY, DRAINAGE
 JULIA DRIVE PLAN & PROFILE

DATE: 3/21/12
 REV:
 DRAWN BY: BGM

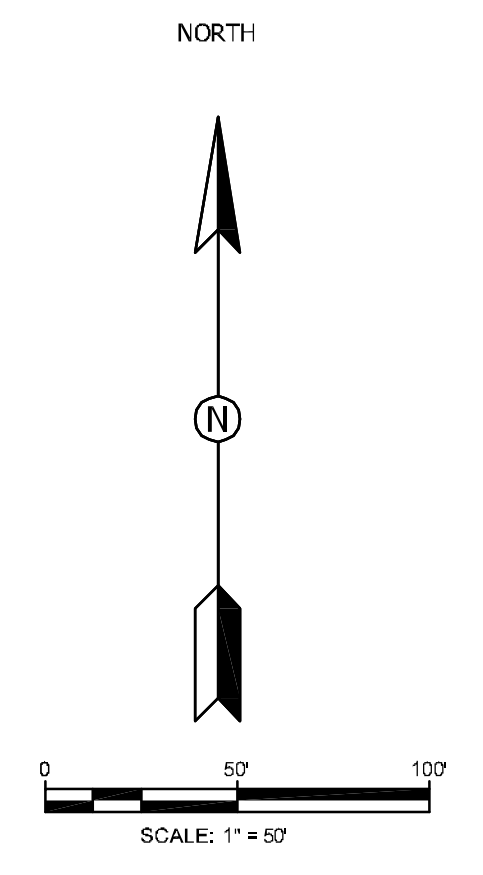
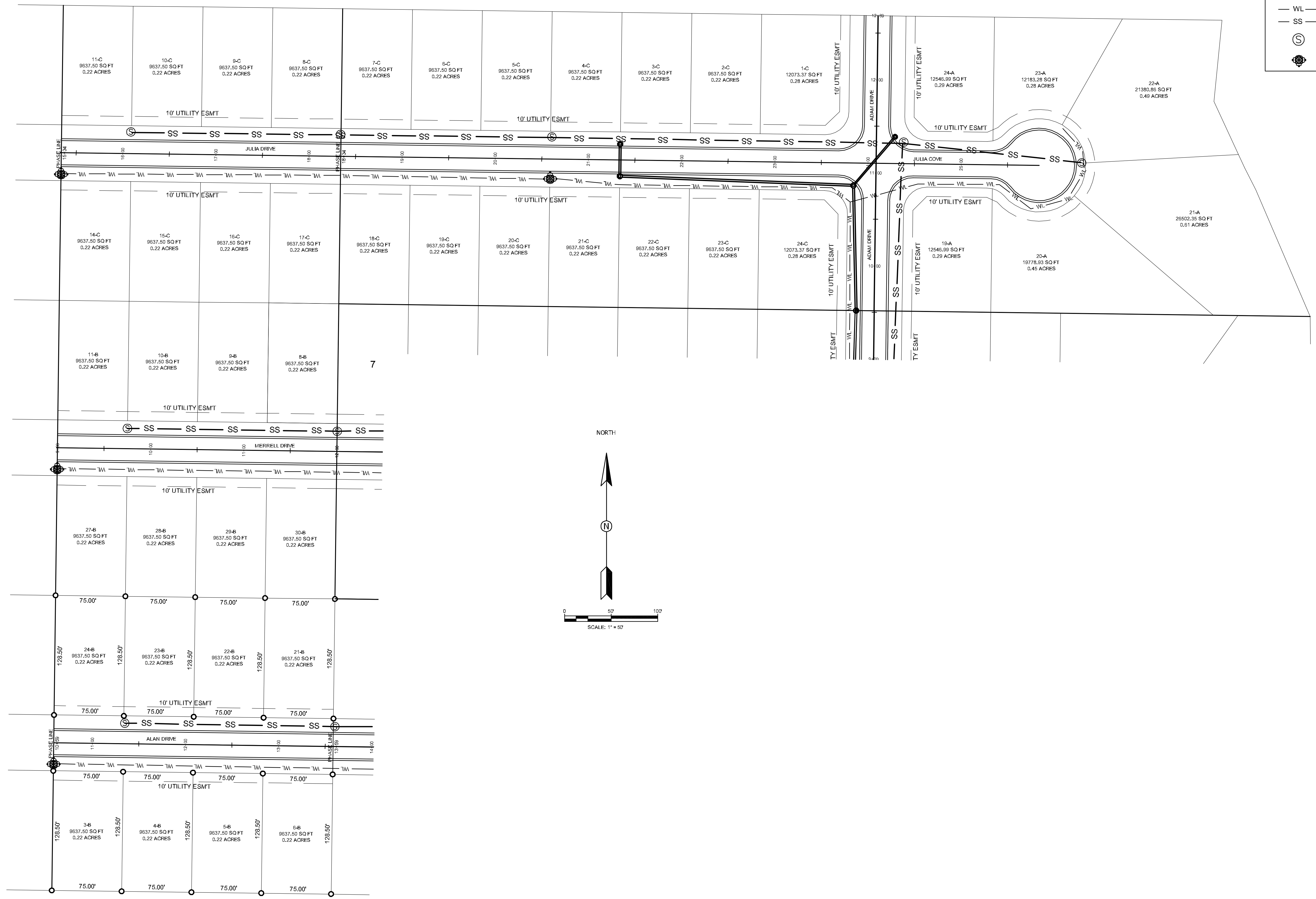
CARLOS WOOD, P.E.
 ENGINEERING CONSULTANT
 122 CR 375
 BONC, AR 72416
 PHONE: (870) 972-8335
 EMAIL: WOODENGR@SBCGLOBAL.NET
 WEBSITE: WWW.WOODENGR.COM





LEGEND

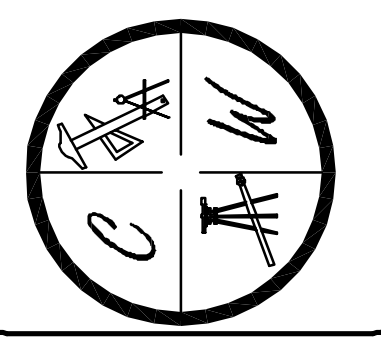
- CURB
- WL — WATER LINE
- SS — SANITARY SEWER LINE
- ⊙ — SANITARY SEWER MANHOLE
- ⊕ — FIRE HYDRANT

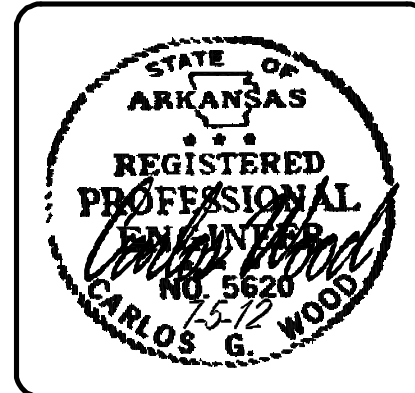


MERRELL ESTATES PHASE III, IV, V, & VI
 UTILITY PLAN
 JONESBORO, AR

DATE: 3/21/22
 REV:
 DRAWN BY: BGM

CARLOS WOOD, P.E.
 ENGINEERING CONSULTANT
 122 CR 375
 BONC, AR 72416
 PHONE: (870) 972-8335
 EMAIL: WOODENR@SBCGLOBAL.NET
 WEBSITE: WWW.WOODENR.COM





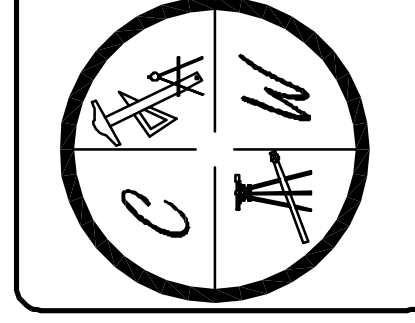
MERRELL ESTATES PHASE III, IV, V, & VI

JONESBORO, AR

OVERALL EROSION CONTROL MAP

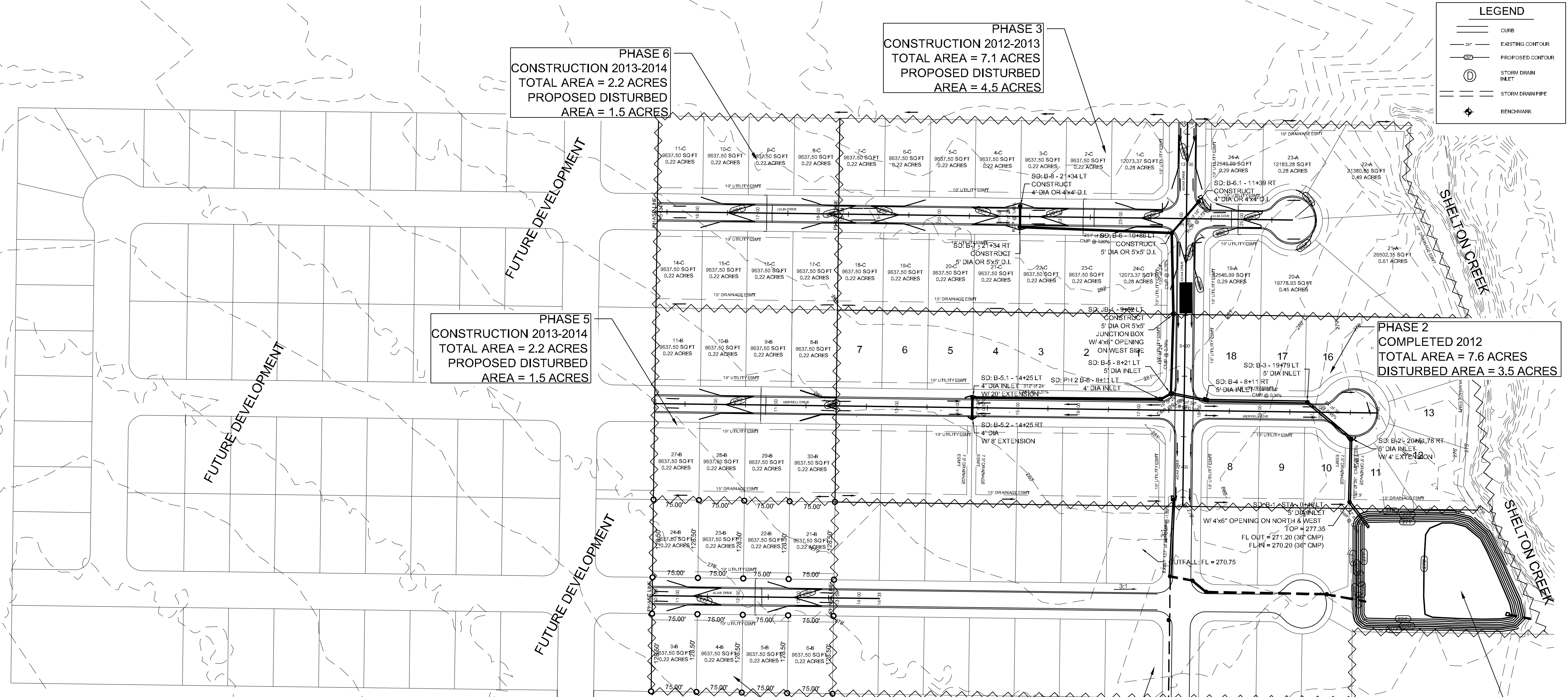
DATE: 3/21/12
REV: _____
DRAWN BY: BGM

CARLOS WOOD, P.E.
ENGINEERING CONSULTANT
122 CR 375
BONO, AR 72416
PHONE: (870) 972-8335
EMAIL: WOODENR@SBCGLOBAL.NET
WEBSITE: WWW.WOODENR.COM



LEGEND

- CURB
- - - EXISTING CONTOUR
- PROPOSED CONTOUR
- ⊙ STORM DRAIN INLET
- STORM DRAIN PIPE
- ⊕ BENCHMARK



PHASE 6
CONSTRUCTION 2013-2014
TOTAL AREA = 2.2 ACRES
PROPOSED DISTURBED AREA = 1.5 ACRES

PHASE 3
CONSTRUCTION 2012-2013
TOTAL AREA = 7.1 ACRES
PROPOSED DISTURBED AREA = 4.5 ACRES

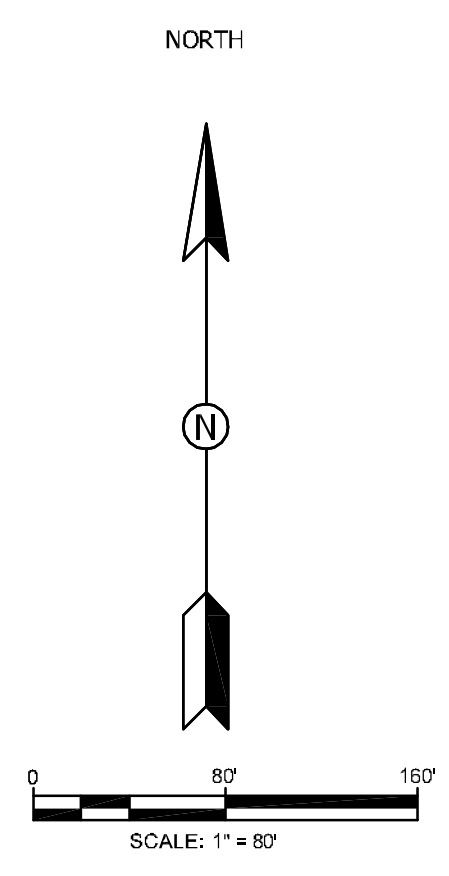
PHASE 5
CONSTRUCTION 2013-2014
TOTAL AREA = 2.2 ACRES
PROPOSED DISTURBED AREA = 1.5 ACRES

PHASE 2
COMPLETED 2012
TOTAL AREA = 7.6 ACRES
DISTURBED AREA = 3.5 ACRES

PHASE 4
CONSTRUCTION 2013-2014
TOTAL AREA = 2.2 ACRES
PROPOSED DISTURBED AREA = 1.5 ACRES

PHASE 1
COMPLETED 2010
TOTAL AREA = 7.6 ACRES
DISTURBED AREA = 0.0 ACRES

- 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 = 28.9 ACRES, DISTURBED AREA = 12.5 ACRES, FUTURE DEVELOPMENT = 23.0 ACRES



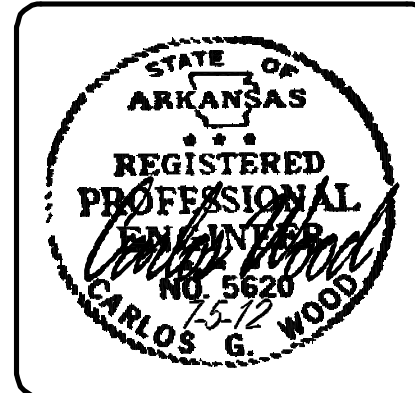
NOTE:
DEVELOPER SHALL OBTAIN GRADING PERMIT FROM THE CITY OF JONESBORO ENGINEERING DEPARTMENT PRIOR TO COMMENCING EARTHWORK AND/OR CLEARING OPERATIONS.
DEVELOPER SHALL OBTAIN REQUIRED ADEQ PERMIT PRIOR TO COMMENCING WORK ON THE SITE, PREPARE A SWPPP PLAN, AND DISPLAY THEM FOR PUBLIC ACCESS AT THE SITE.

OWNER / CONTRACTOR CERTIFICATION:
I certify under penalty of law that I understand the true and correct contents 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, to the best of my knowledge and belief, the information is 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: _____



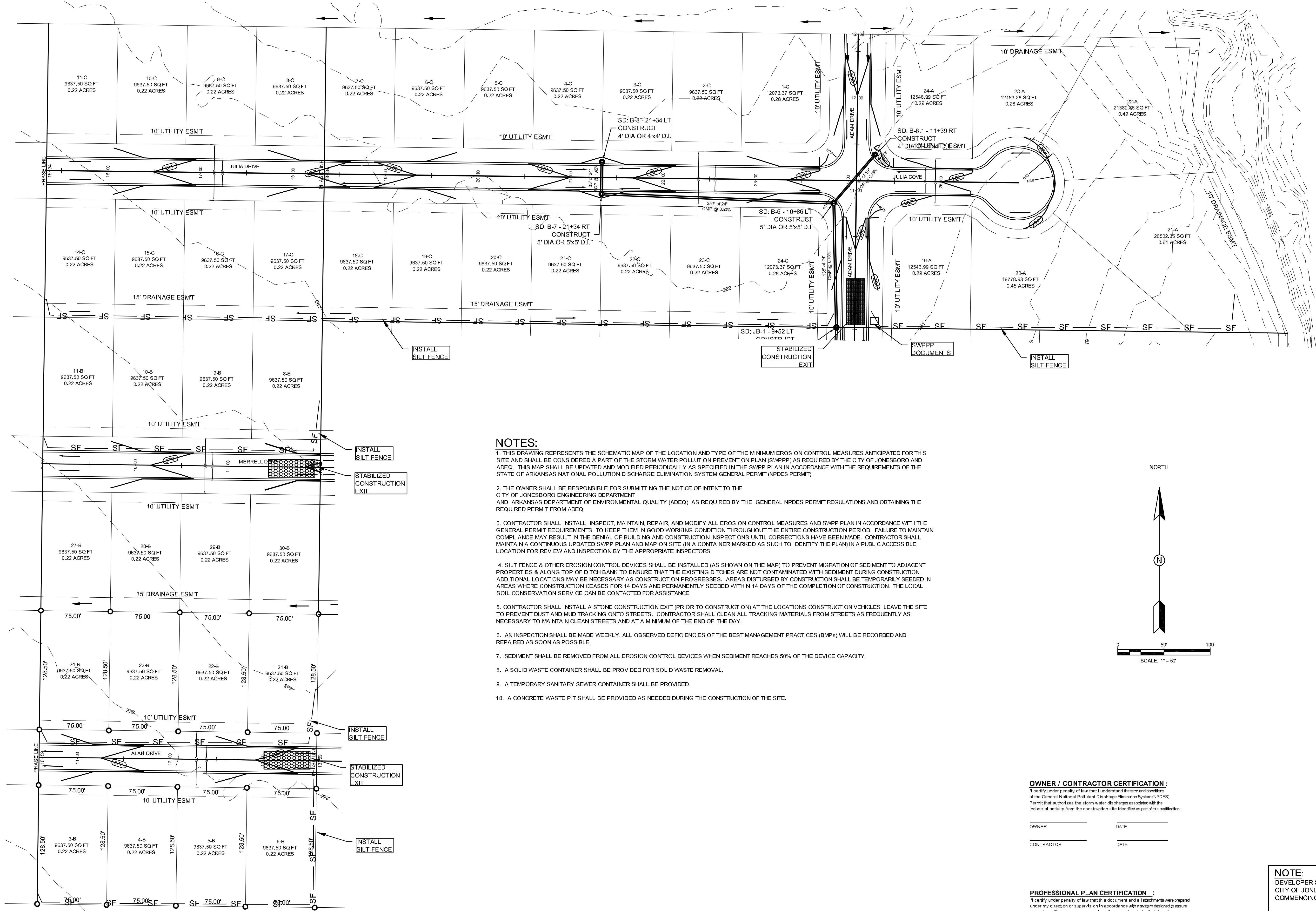
MERRELL ESTATE PHASE III, IV, V, & VI

JONESBORO, AR

OVERALL EROSION CONTROL MAP

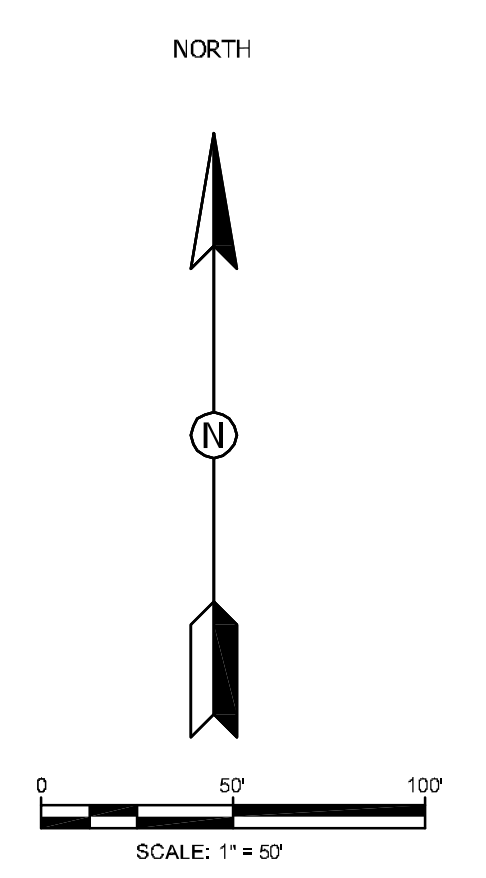
LEGEND

- Curb
- - - Existing Contour
- - - Proposed Contour
- ⊕ Storm Drain Inlet
- Storm Drain Pipe
- ⊕ Benchmark



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.



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 :

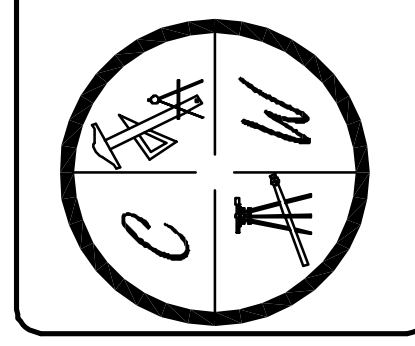
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that all qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information submitted, to the best of my knowledge and 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 _____

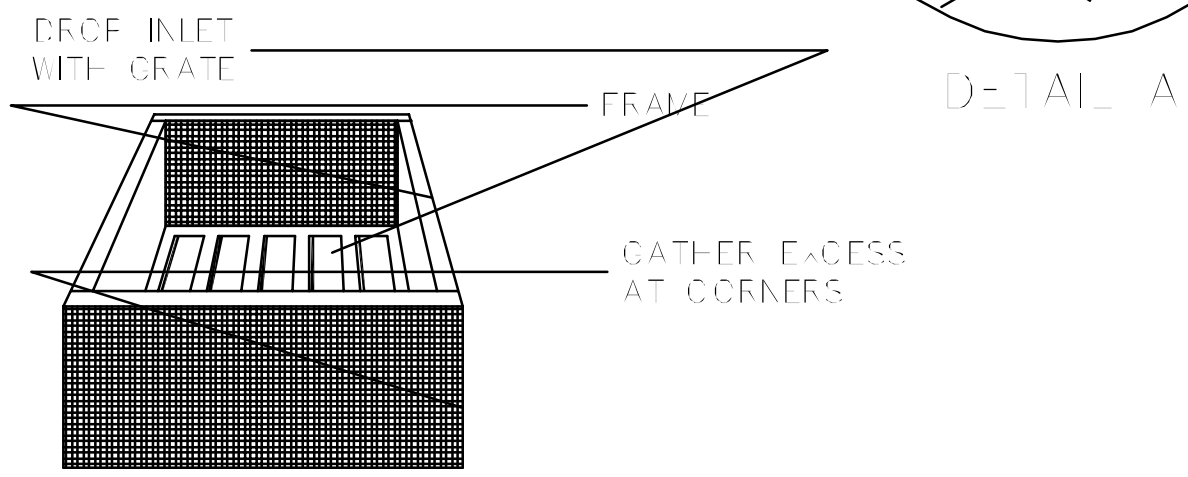
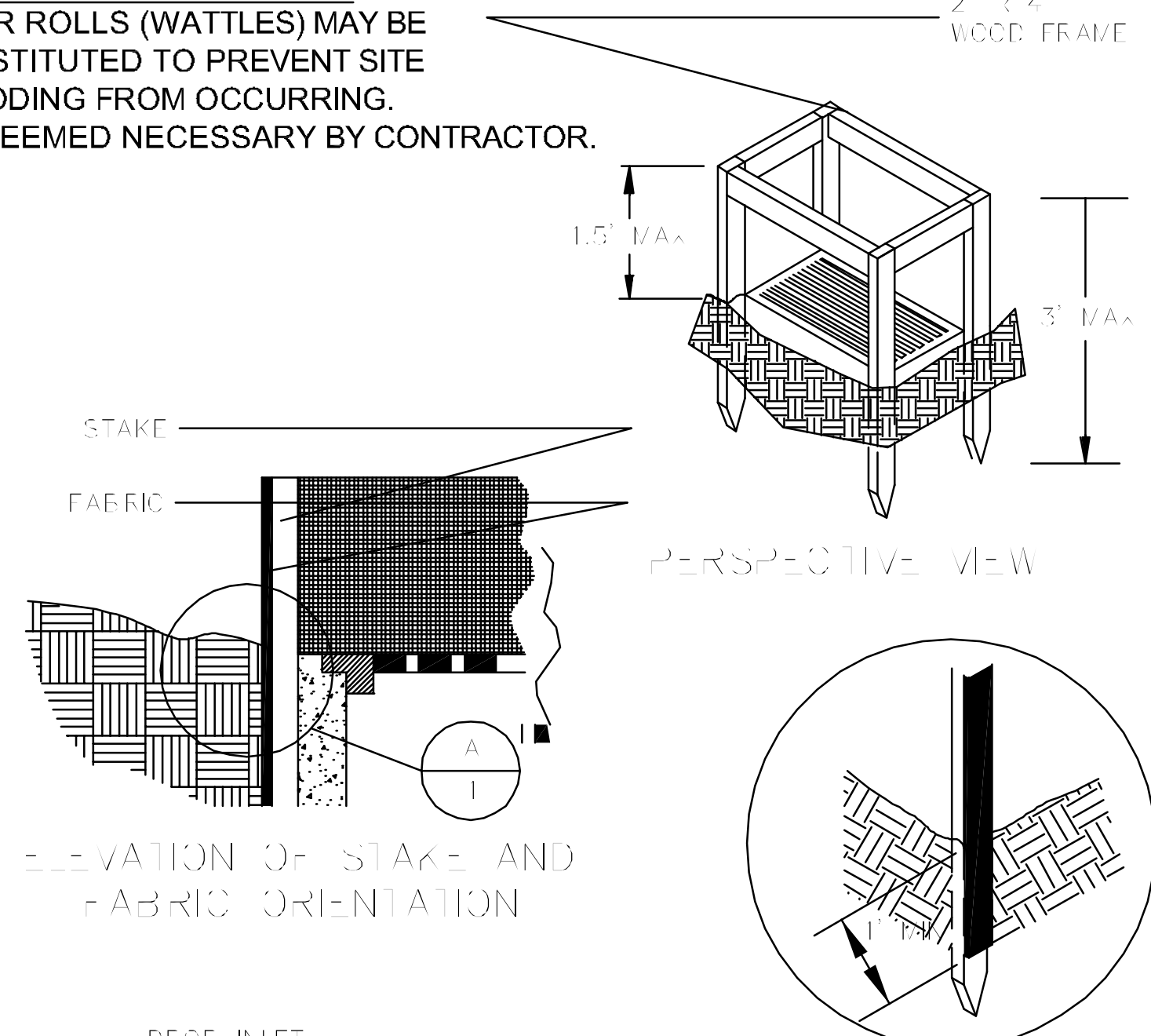
NOTE:
 DEVELOPER SHALL OBTAIN GRADING PERMIT FROM THE CITY OF JONESBORO ENGINEERING DEPARTMENT PRIOR TO COMMENCING EARTH-WORK AND/OR CLEARING OPERATIONS.
 DEVELOPER SHALL OBTAIN REQUIRED ADEQ PERMIT PRIOR TO COMMENCING WORK ON THE SITE, PREPARE A SWPPP PLAN, AND DISPLAY THEM FOR PUBLIC ACCESS AT THE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

DATE: 3/21/12
 REV: _____
 DRAWN BY: BGM

CARLOS WOOD, P.E.
 ENGINEERING CONSULTANT
 122 CR 375
 BONO, AR 72416
 PHONE: (870) 972-8335
 EMAIL: WOODENGR@SBCGLOBAL.NET
 WEBSITE: WWW.WOODENGR.COM



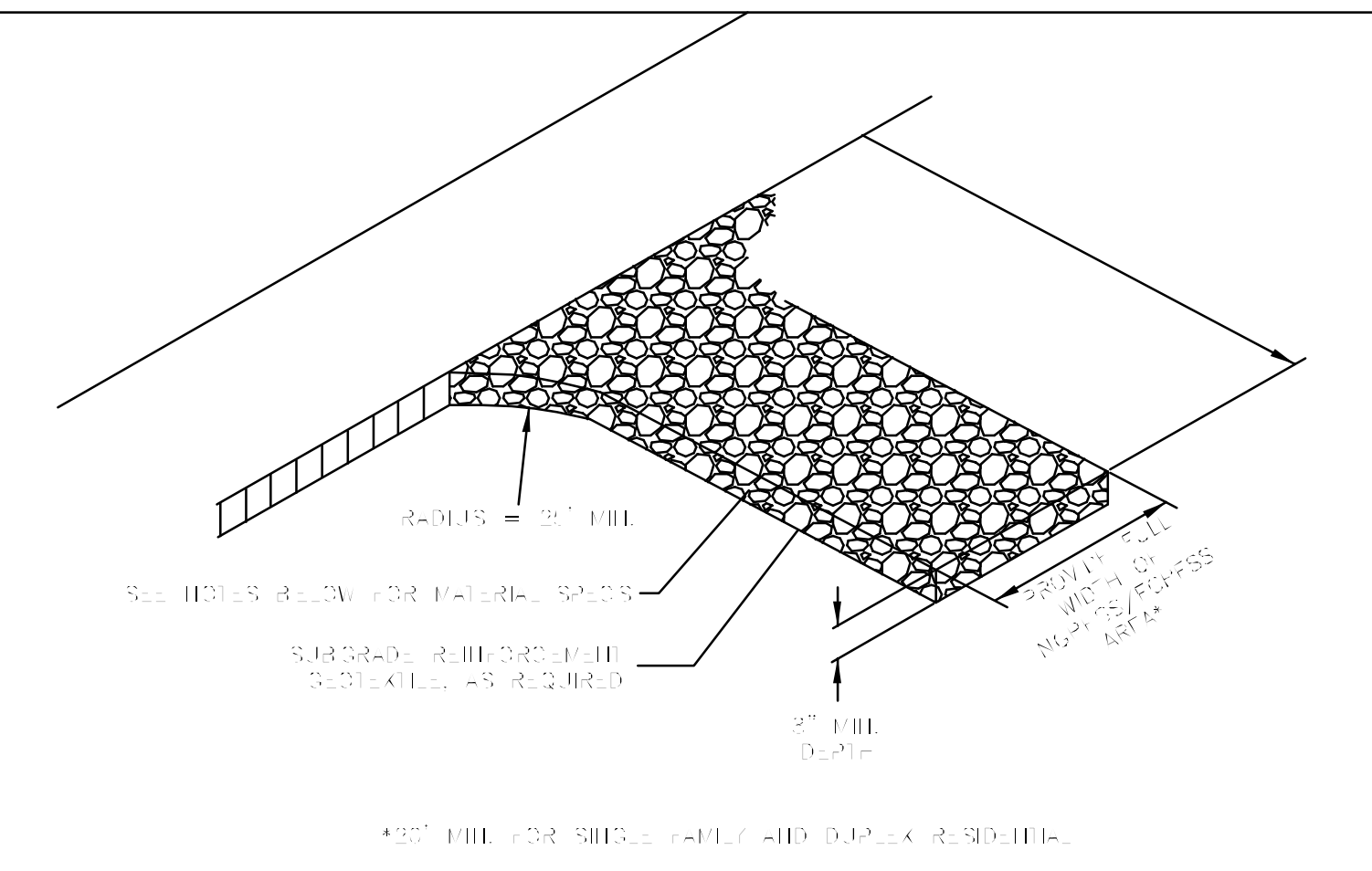
ALTERNATE INSTALLATION:
 FIBER ROLLS (WATTLES) MAY BE
 SUBSTITUTED TO PREVENT SITE
 FLOODING FROM OCCURRING.
 AS DEEMED NECESSARY BY CONTRACTOR.



PERSPECTIVE VIEW

FILTER FABRIC INLET PROTECTION

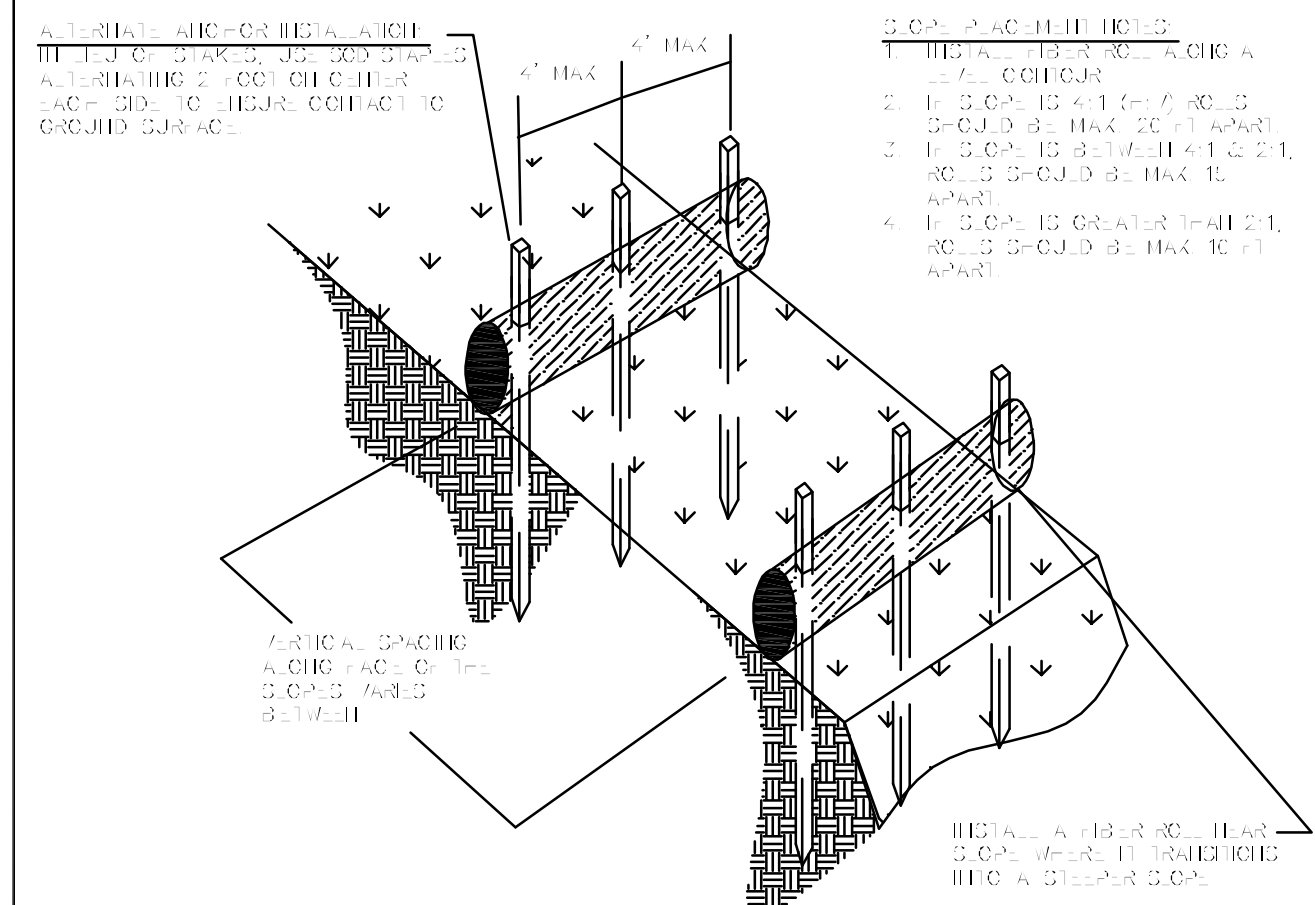
NOT TO SCALE



- NOTES:**
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT.
 2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
 3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
 4. WHERE RUNOFF CONTAINING SEDIMENT-LADEN WATER IS LEAVING THE SITE VIA THE CONSTRUCTION ENTRANCE, OTHER MEASURES SHALL BE IMPLEMENTED TO DIVERT RUNOFF THROUGH AN APPROVED FILTERING SYSTEM.
 5. DIMENSIONS:
 SINGLE FAMILY AND DUPLEX
 20' LONG BY 20' WIDE, 8" DEEP OF 3/4" MINUS CLEAN ROCK.
 COMMERCIAL
 50' LONG BY 20' WIDE, 3-6" DEEP CLEAN ROCK. GOVERNING AUTHORITY MAY REQUIRE GEOTEXTILE FABRIC TO PREVENT SUB-SOIL PUMPING.

CONSTRUCTION ENTRANCE

NOT TO SCALE

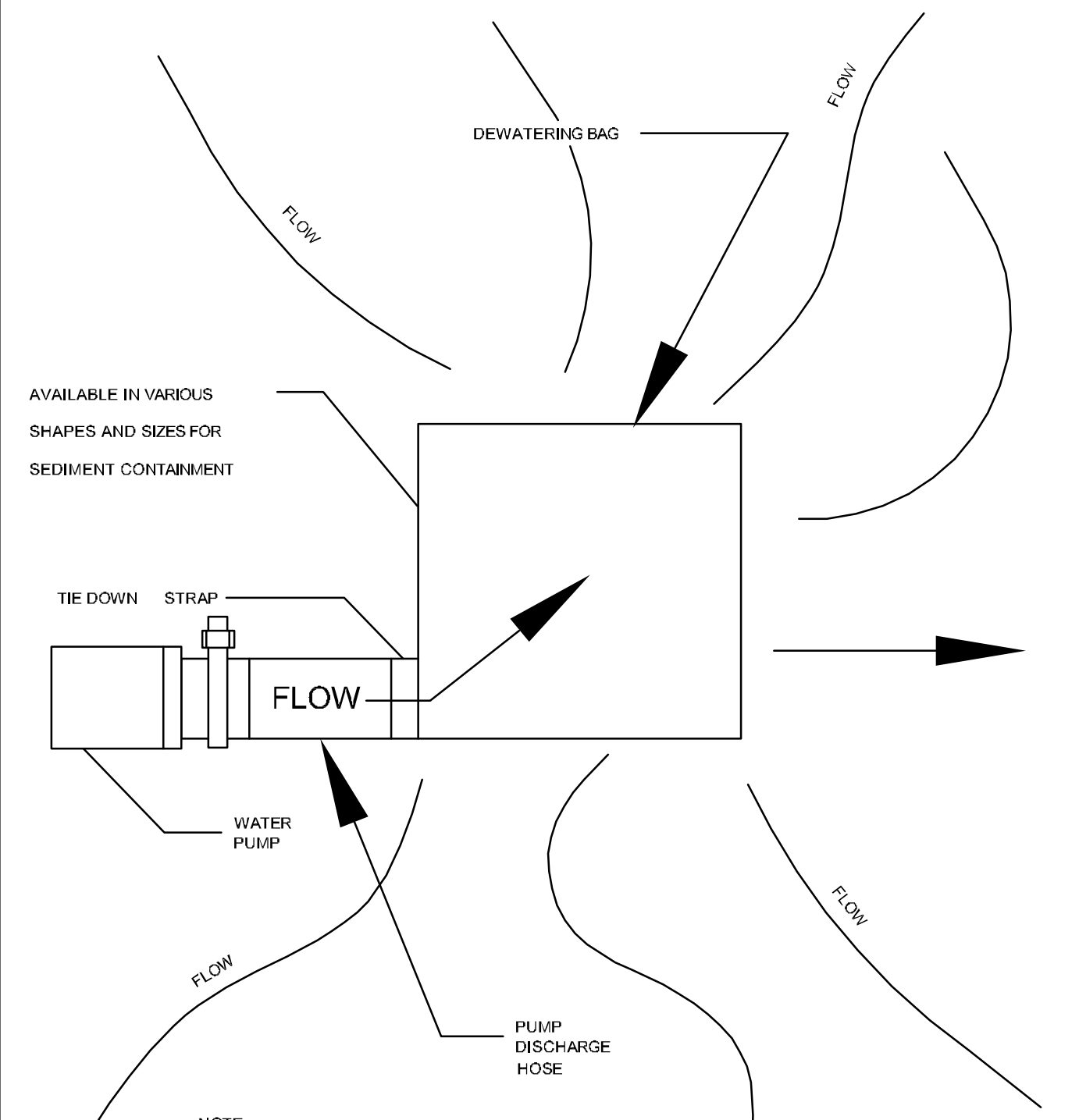


TYPICAL FIBER ROLL INSTALLATION

FIBER ROLL

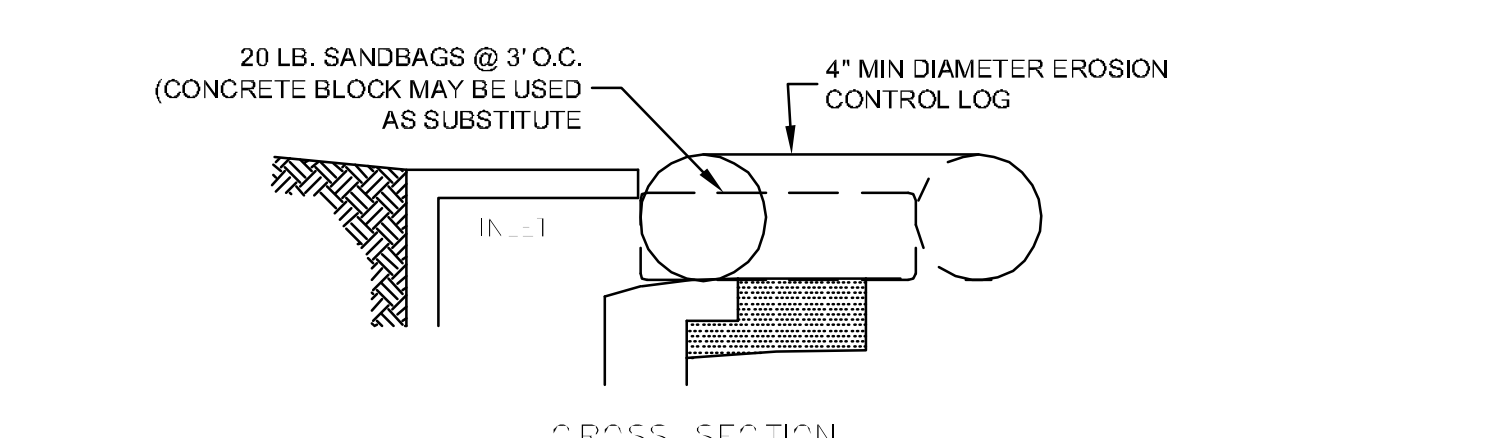
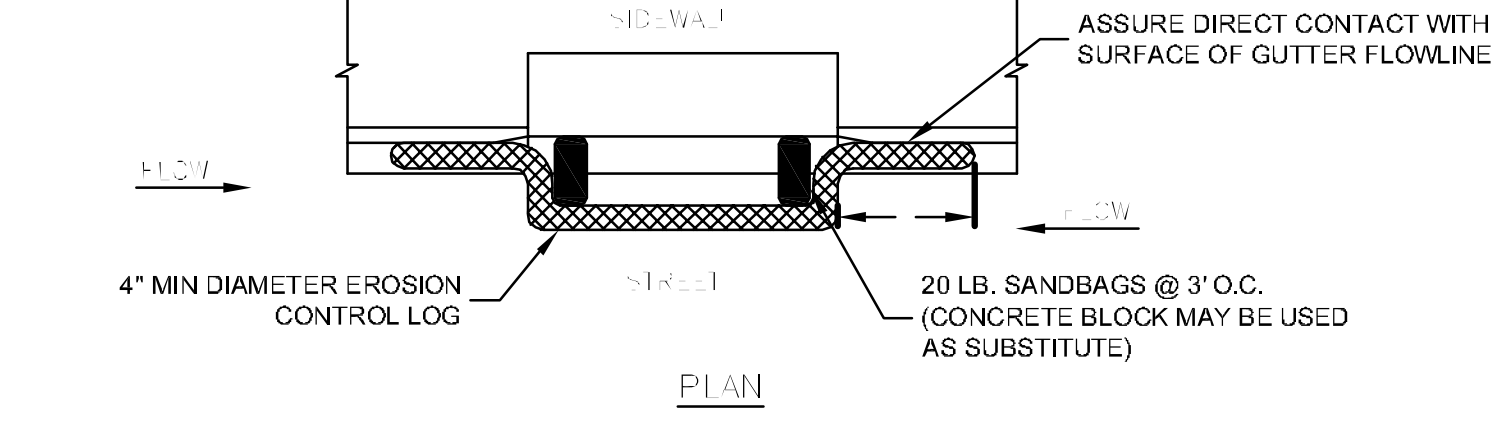
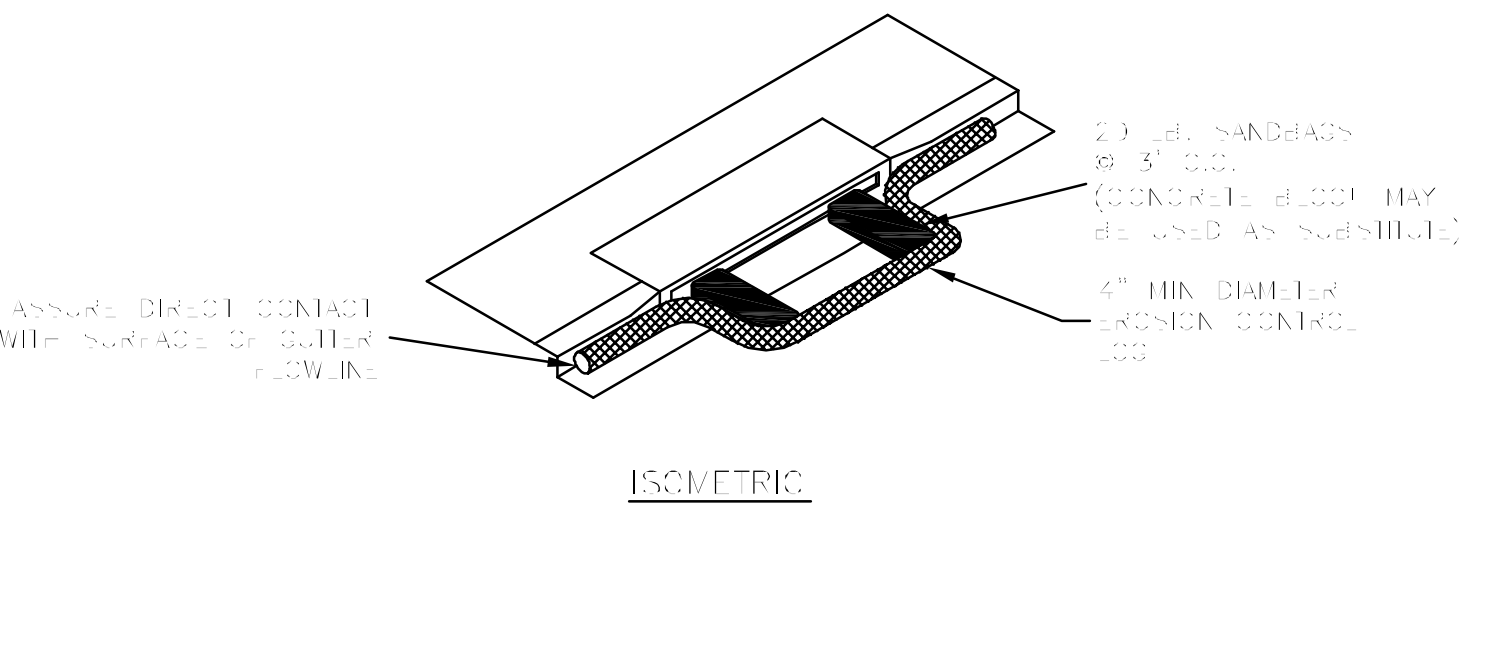
SECTION VIEW

NOT TO SCALE



DEWATERING BAG

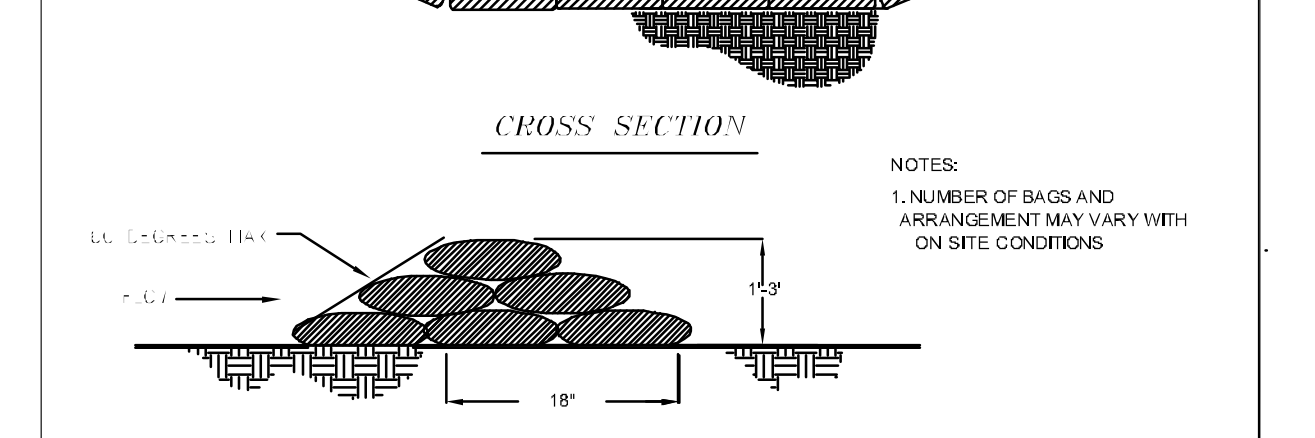
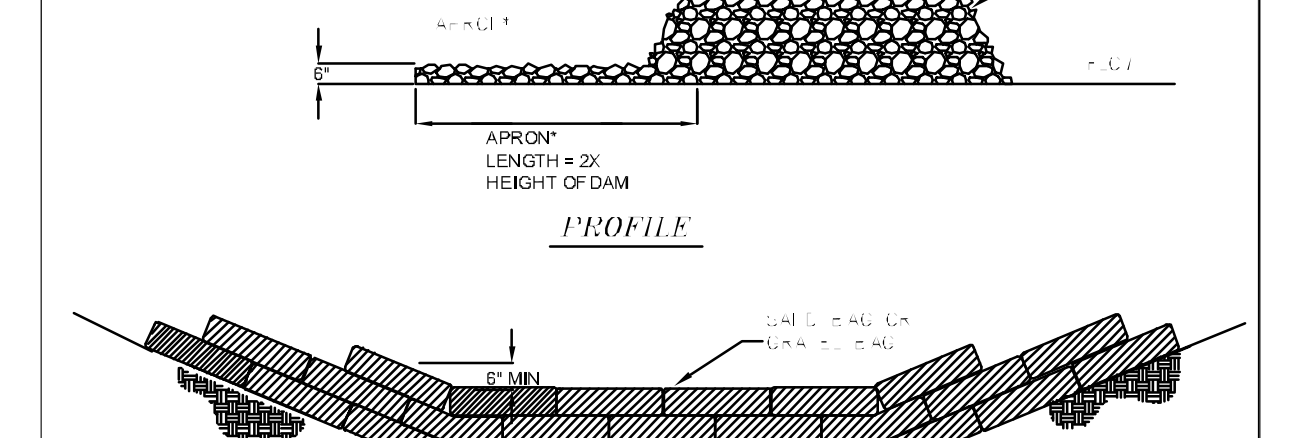
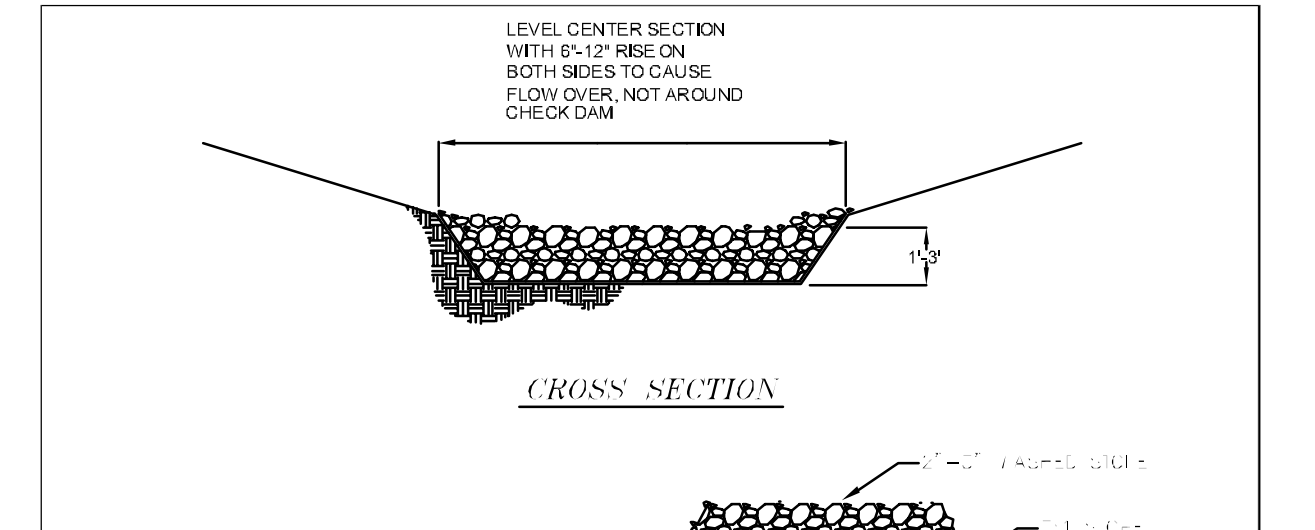
NOT TO SCALE



- NOTES:**
1. EROSION CONTROL LOG CONTAINMENT MESH SHALL BE 100% BIODEGRADABLE, PHOTODEGRADABLE OR RECYCLABLE; AND FILL MATERIAL SHALL CONSIST OF MULCH, ASPEN EXCELISIOR FIBERS, CHIPPED SITE VEGETATION, COCONUT FIBERS, 100% RECYCLABLE FIBERS, OR ANY OTHER ACCEPTABLE MATERIAL EXCLUDING STRAW AND HAY.
 2. DAILY INSPECTION SHALL BE MADE BY THE CONTRACTOR AND SILT ACCUMULATION MUST BE REMOVED WHEN DEPTH REACHES 50% CAPACITY.
 3. CONTRACTOR SHALL MONITOR THE PERFORMANCE OF INLET PROTECTION DURING EACH RAINFALL EVENT AND IMMEDIATELY REMOVE THE INLET PROTECTIONS IF EXCESSIVE FLOODING OCCURS.
 4. INLET PROTECTIONS SHALL BE REMOVED AS SOON AS THE SOURCE OF SEDIMENT IS STABILIZED.

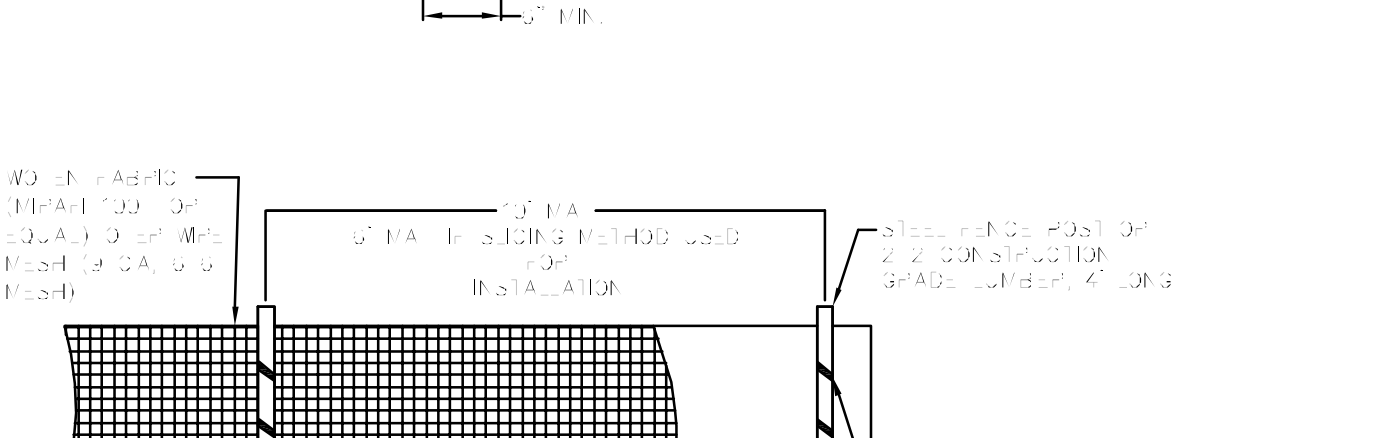
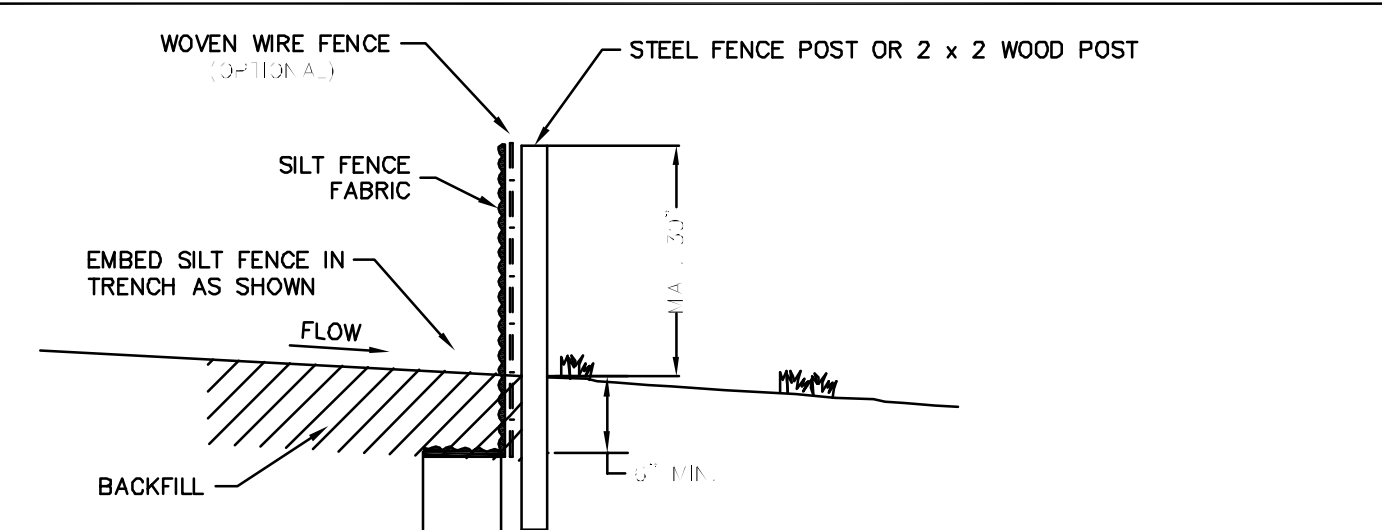
FIBER ROLL (WATTLE) CURB INLET PROTECTION

NOT TO SCALE



DITCH CHECKS (STONE & SAND BAG)

NOT TO SCALE



- NOTES:**
1. MAKE SURE SILT FENCE IS AT DOWN-SLOPE END OF AREA TO BE GRADED.
 2. SILT FENCE SHALL BE 2' HIGH AND 2' WIDE.
 3. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 4. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 5. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 6. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 7. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 8. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 9. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 10. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 11. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 12. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 13. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 14. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 15. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 16. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 17. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 18. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 19. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 20. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 21. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 22. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 23. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 24. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 25. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 26. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 27. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 28. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 29. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 30. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 31. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 32. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 33. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 34. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 35. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 36. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 37. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 38. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 39. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 40. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 41. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 42. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 43. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 44. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 45. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 46. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 47. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 48. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 49. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 50. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 51. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 52. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 53. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 54. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 55. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 56. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 57. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 58. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 59. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 60. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 61. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 62. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 63. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 64. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 65. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 66. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 67. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 68. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 69. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 70. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 71. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 72. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 73. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 74. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 75. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 76. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 77. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 78. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 79. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 80. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 81. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 82. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 83. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 84. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 85. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 86. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 87. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 88. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 89. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 90. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 91. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 92. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 93. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 94. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 95. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 96. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 97. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 98. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 99. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.
 100. SILT FENCE SHALL BE 2' WIDE AND 2' HIGH.

SILT FENCE

NOT TO SCALE

ECM-3

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER CARLOS G. WOOD

MERRELL ESTATES PHASE III, IV, V, & VI

JONESBORO, AR

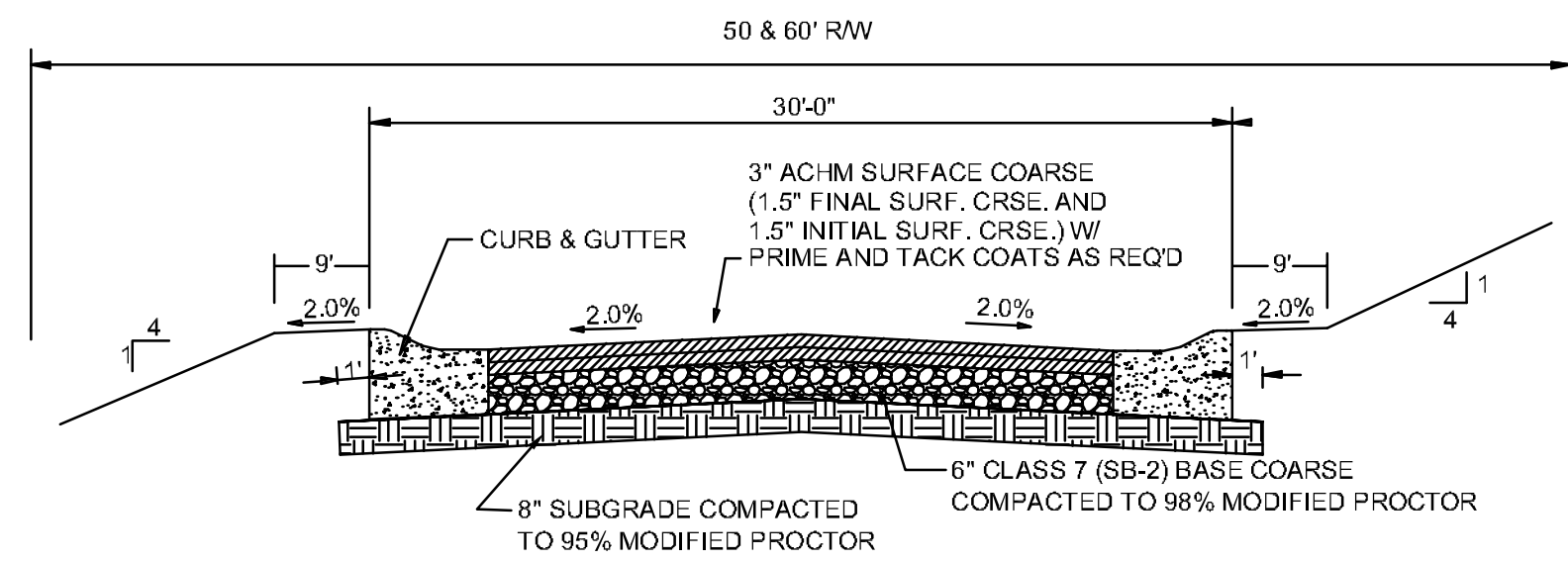
EROSION CONTROL DETAILS

DATE: 3 21 12

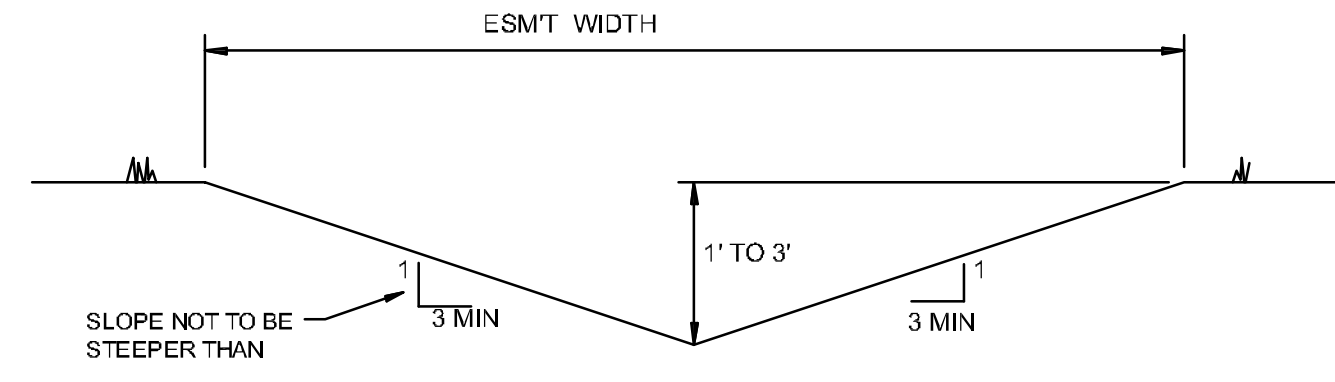
REV:

SCALE: 3/4" = 1'-0"

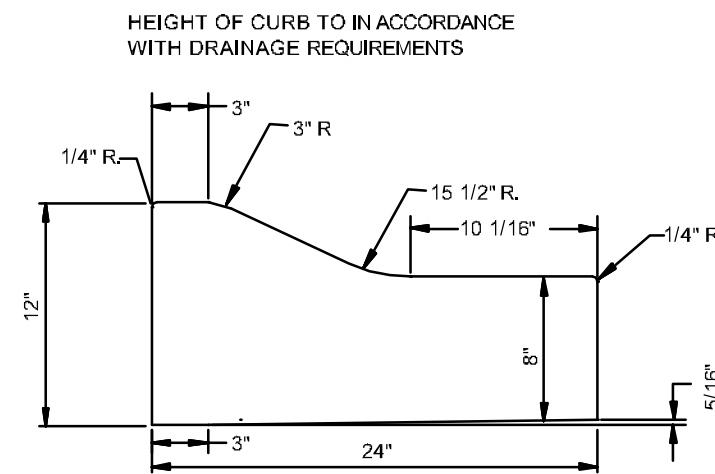
CARLOS WOOD, P.E. ENGINEERING CONSULTANT 122 CR 375 BONO, AR 72416 PHONE: (870) 972-8335 EMAIL: WOODENGR@SBCGLOBAL.NET WEBSITE: WWW.WOODENGR.COM



TYPICAL SECTION - INTERIOR STREETS
N.T.S.



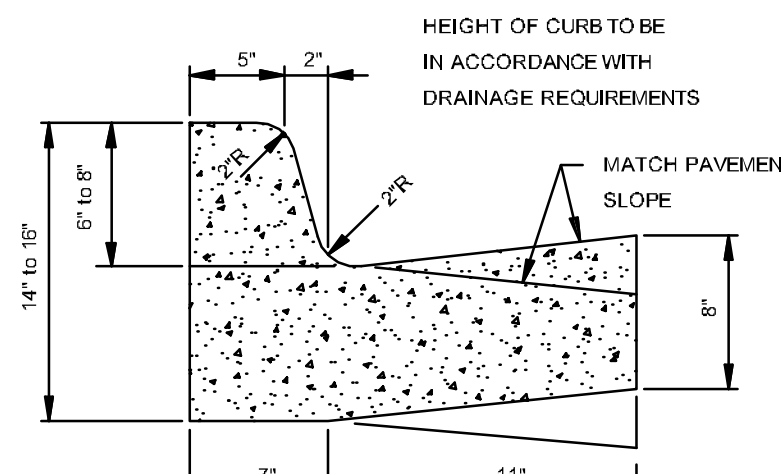
'A' TYPICAL DITCH DETAIL
N.T.S.



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

NOTE: CONTRACTION AND EXPANSION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF JONESBORO SPECIFICATIONS

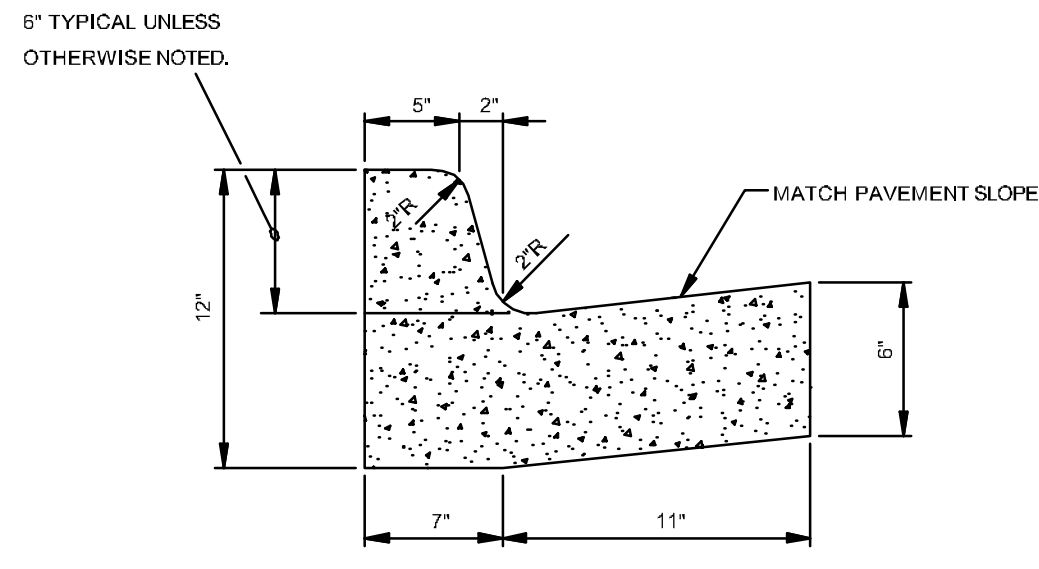
NO DRIVEWAY CUTS ALLOWED WITH THIS TYPE OF CURB



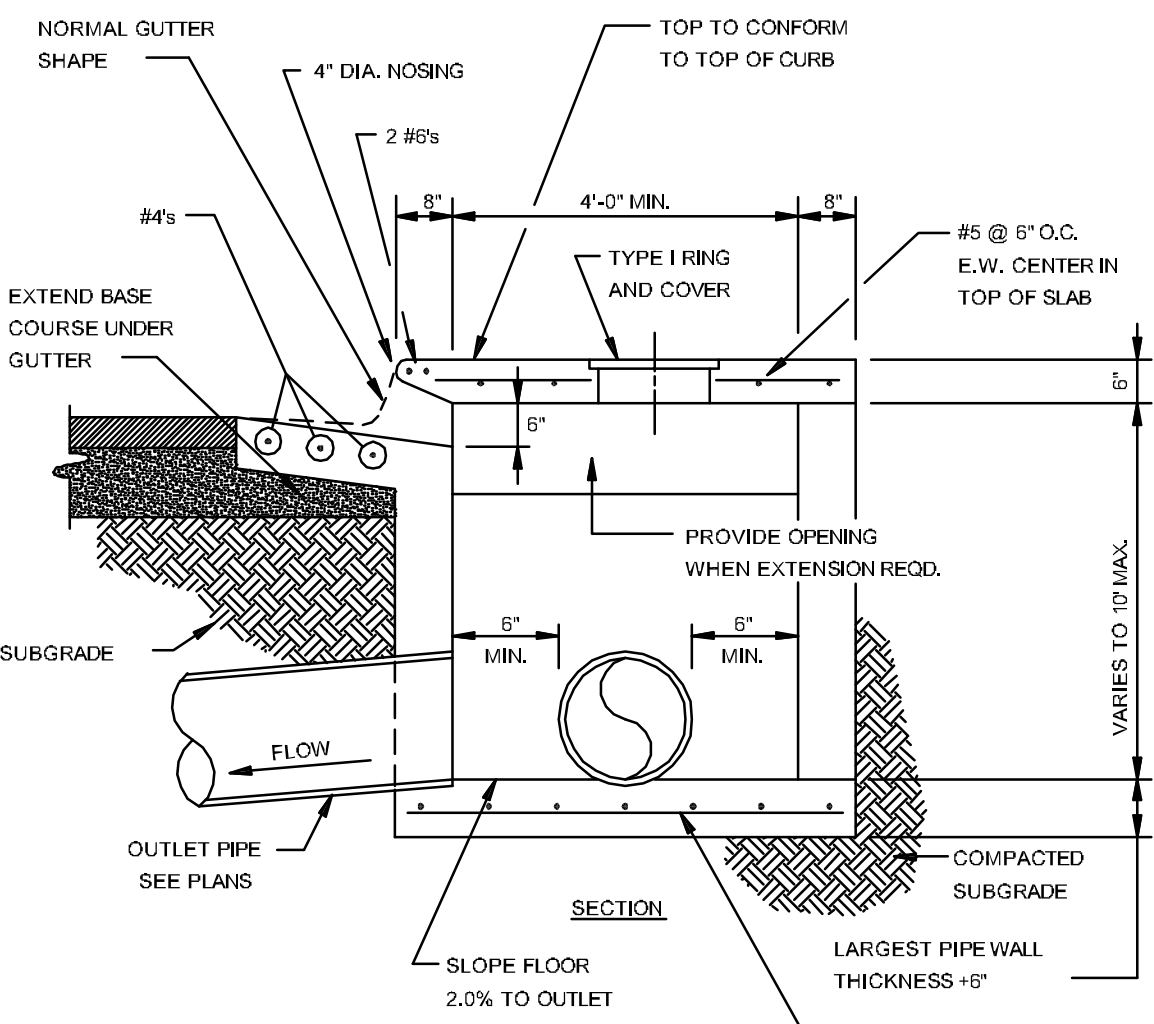
TYPE 'A-18' (BARRIER) ARTERIAL STREETS

COMBINATION CURB & GUTTER
N.T.S.

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

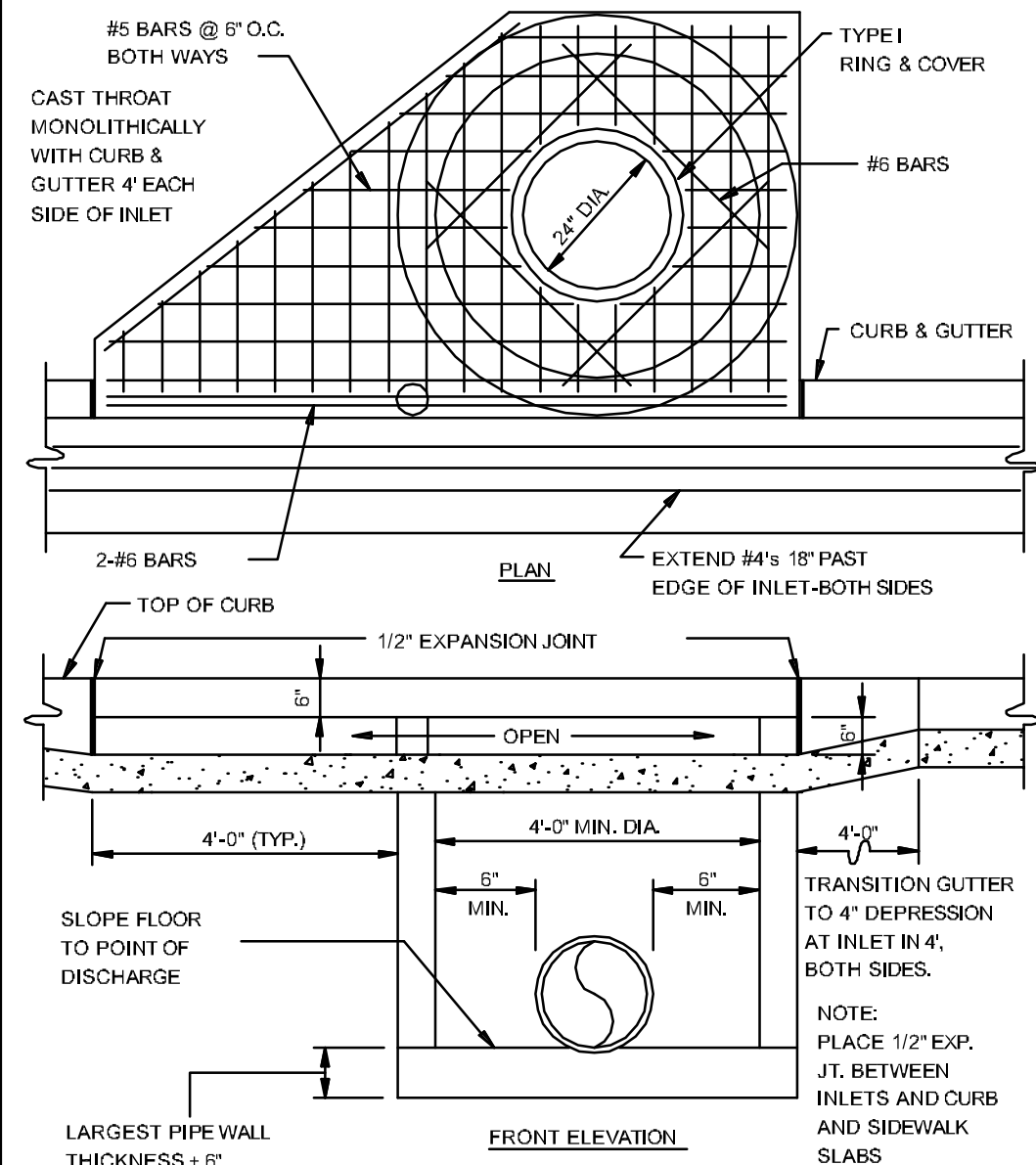


TYPE 'A-18' (BARRIER) RESIDENTIAL & COLLECTOR STREETS

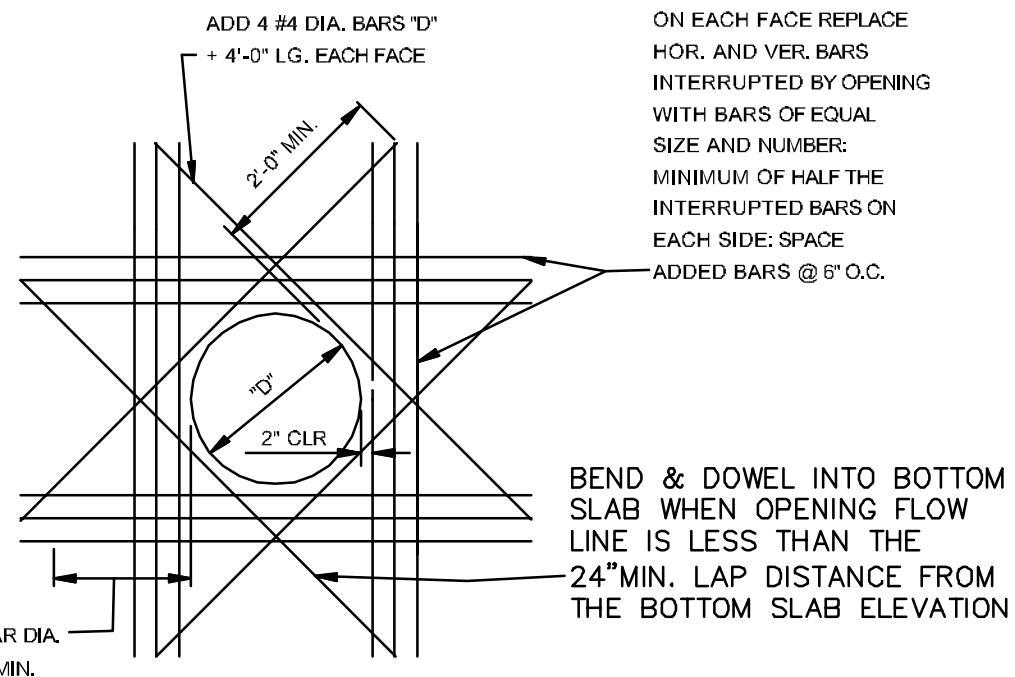


SECTION - CIRCULAR CURB INLET
N.T.S.

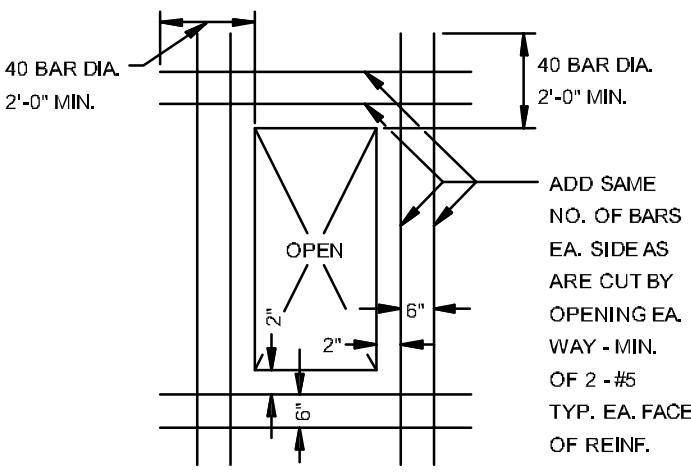
NOTE: INLETS MORE THAN 3'-0\"/>



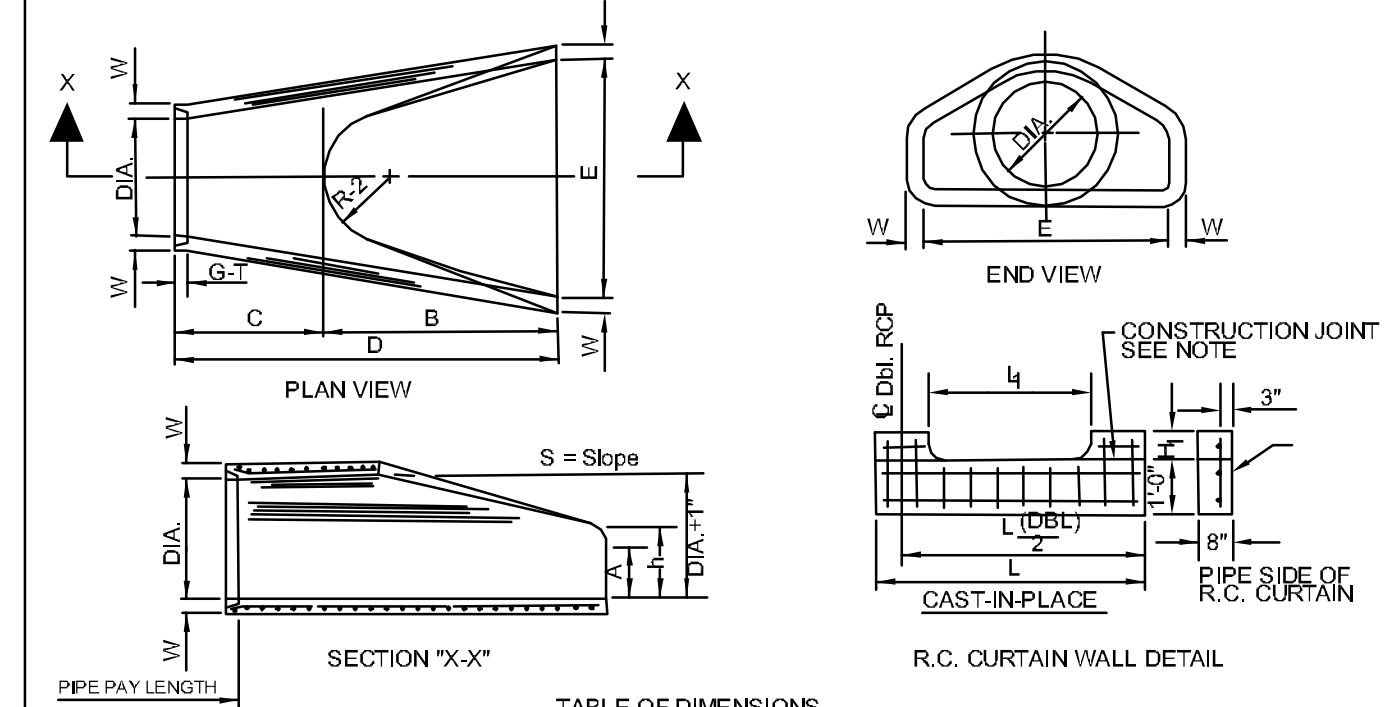
CIRCULAR CURB INLET W/ INLET EXTENSION
N.T.S.



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



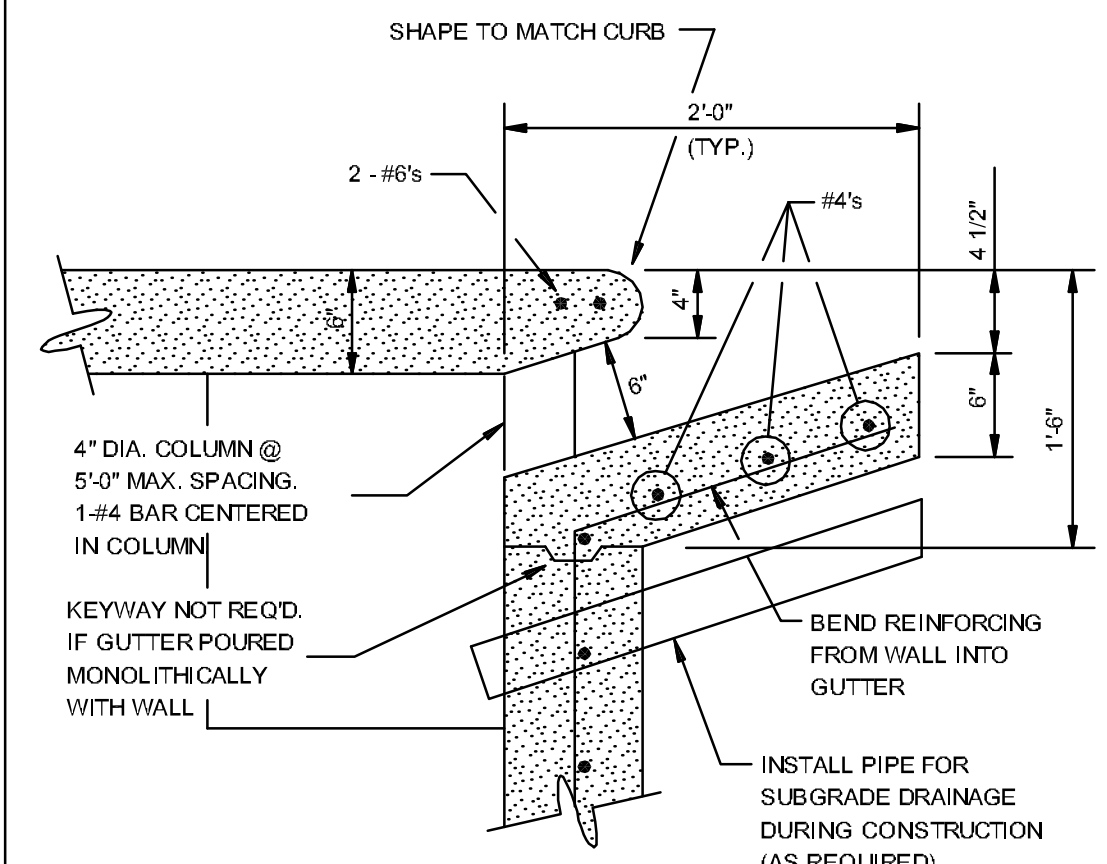
ADDED REINFORCEMENT AT RECTANGULAR OPENING IN WALL OR SLAB
N.T.S.



PIPE DIA. (IN)	WALL THICKNESS (IN)	A	B	C	D	E	S (DIA. x 1)	P	R-1	R-2	G-1	WT	h	
18"	2 1/2"	8"	35.9	31.0"	8.1"	32.9	3.1	18"	29"	15 1/2"	12"	2"	1800	14.9
24"	3"	11.2"	38.2	32.2"	9.3"	35.9	3.1	24"	33.8	16 1/2"	12"	2"	2100	16.1
30"	3 1/2"	15.0"	40.6	35.2"	10.5"	38.1	3.1	30"	38.8	18 1/2"	15"	3 1/2"	2840	17.4
36"	4"	18.8"	43.0	37.8"	11.7"	40.3	3.1	36"	43.7	20 1/2"	15"	4"	3580	18.8
42"	4 1/2"	22.6"	45.4	39.8"	12.9"	42.5	3.1	42"	48.6	22 1/2"	15"	4 1/2"	4320	20.2
48"	5"	26.4"	47.8	41.8"	14.1"	44.7	3.1	48"	53.5	24 1/2"	15"	5"	5060	21.6
54"	5 1/2"	30.2"	50.2	43.8"	15.3"	46.9	3.1	54"	58.4	26 1/2"	15"	5 1/2"	5800	23.0
60"	6"	34.0"	52.6	45.8"	16.5"	49.1	3.1	60"	63.3	28 1/2"	15"	6"	6540	24.4
66"	6 1/2"	37.8"	55.0	47.8"	17.7"	51.3	3.1	66"	68.2	30 1/2"	15"	6 1/2"	7280	25.8
72"	7"	41.6"	57.4	49.8"	18.9"	53.5	3.1	72"	73.1	32 1/2"	15"	7"	8020	27.2

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

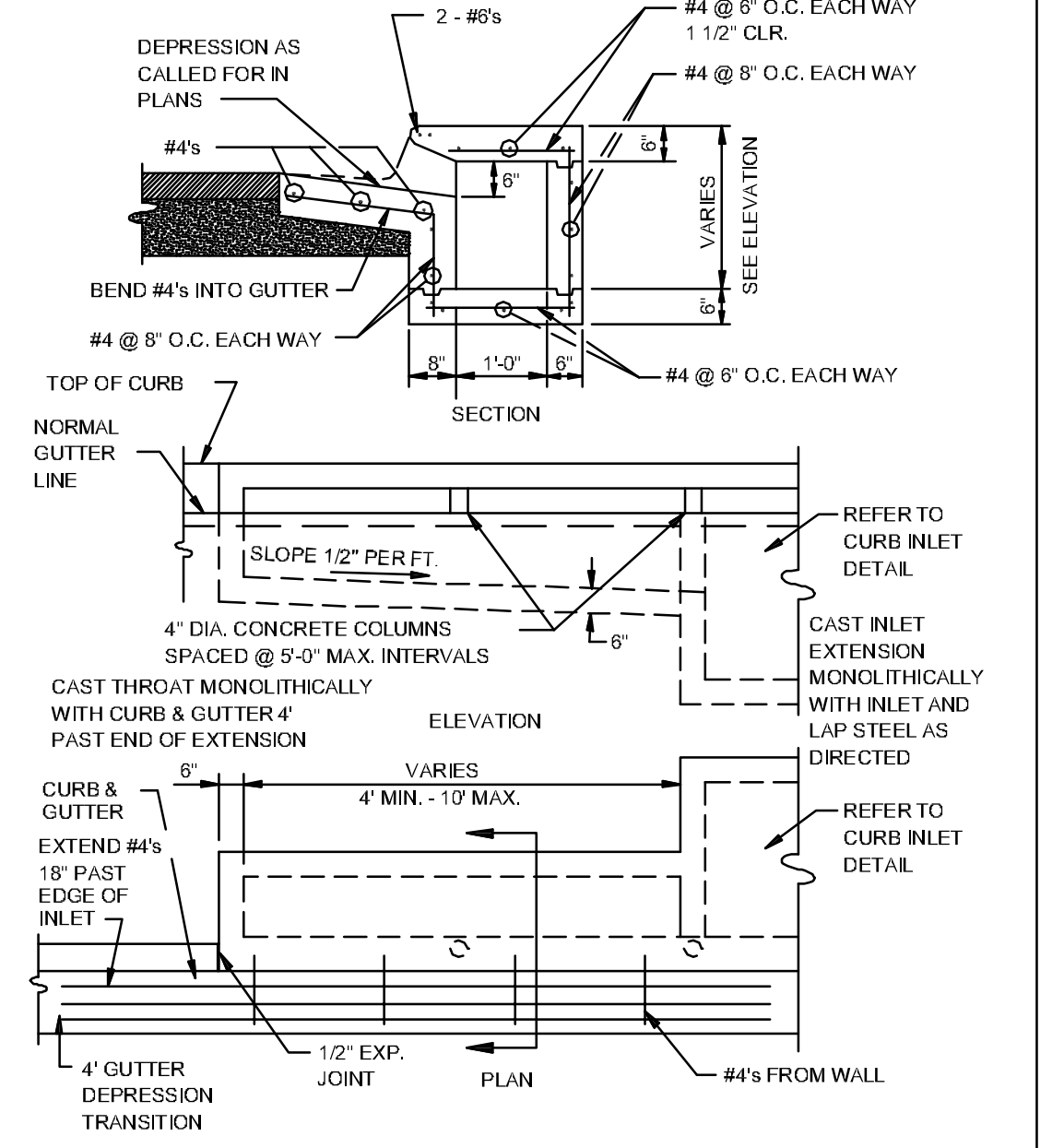
NOTES:
1. The portion of the R.C. Curtain Wall beneath the Flared End Section (Lower 1'-0") shall be placed monolithically. The Flared End Section shall then be set in place and the remaining portions of the R.C. Curtain Wall placed.
2. All reinforcing steel are #4 bars at 6" O.C.
3. No separate payment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



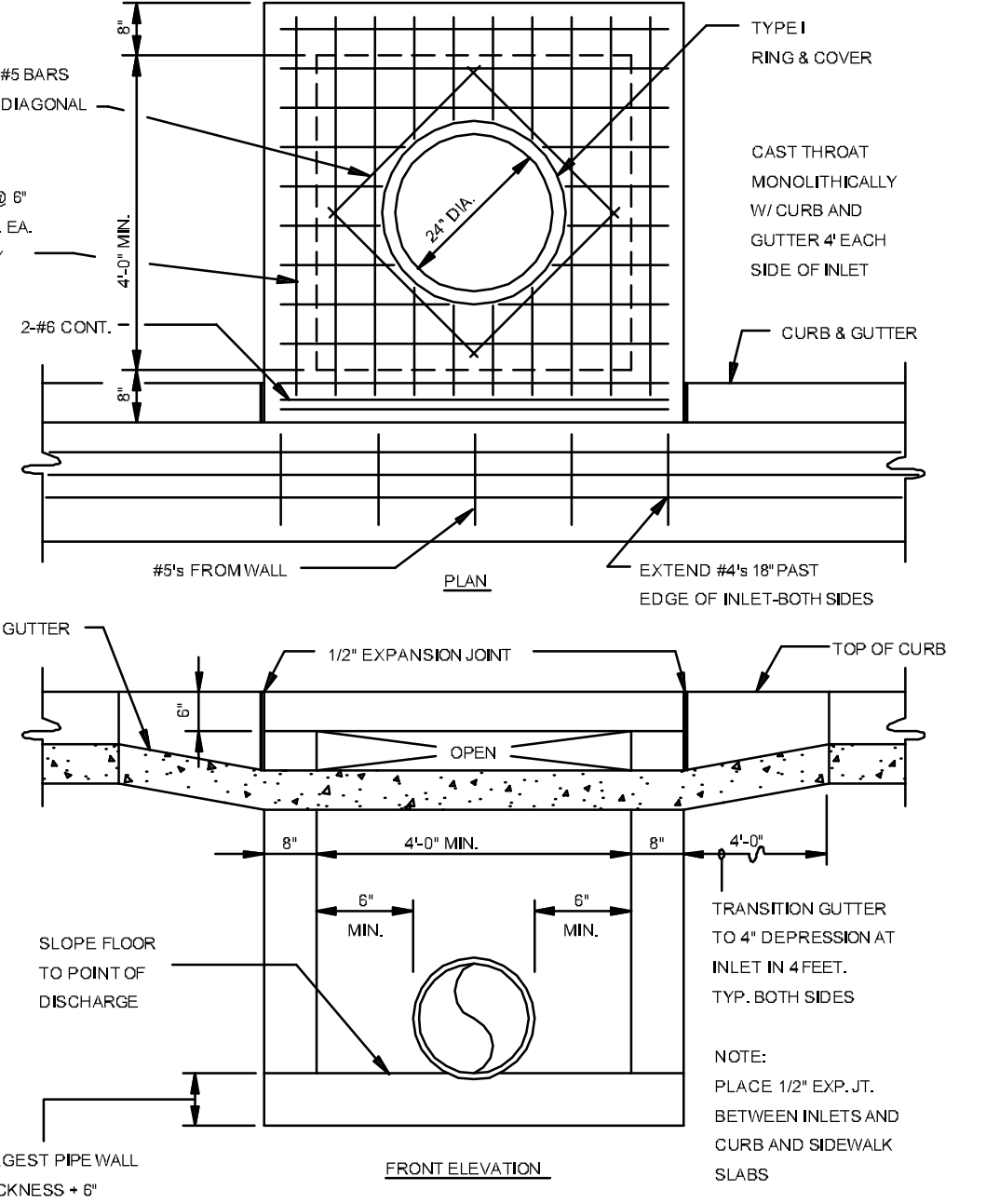
CURB OPENING
N.T.S.

KEYWAY NOT REQ'D. IF GUTTER POURED MONOLITHICALLY WITH WALL

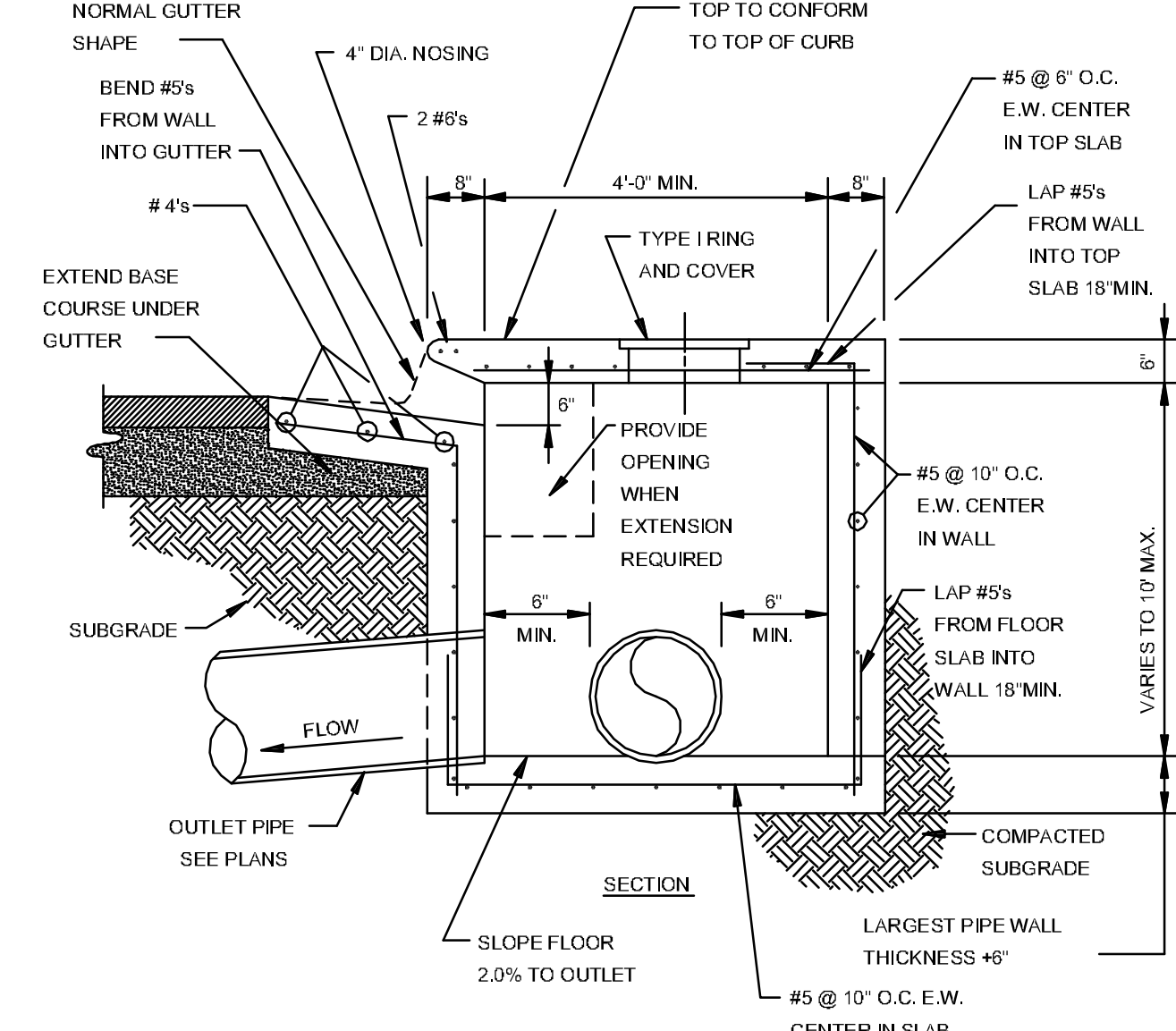
INSTALL PIPE FOR SUBGRADE DRAINAGE DURING CONSTRUCTION (AS REQUIRED)



RECTANGULAR CURB INLET EXTENSION
N.T.S.

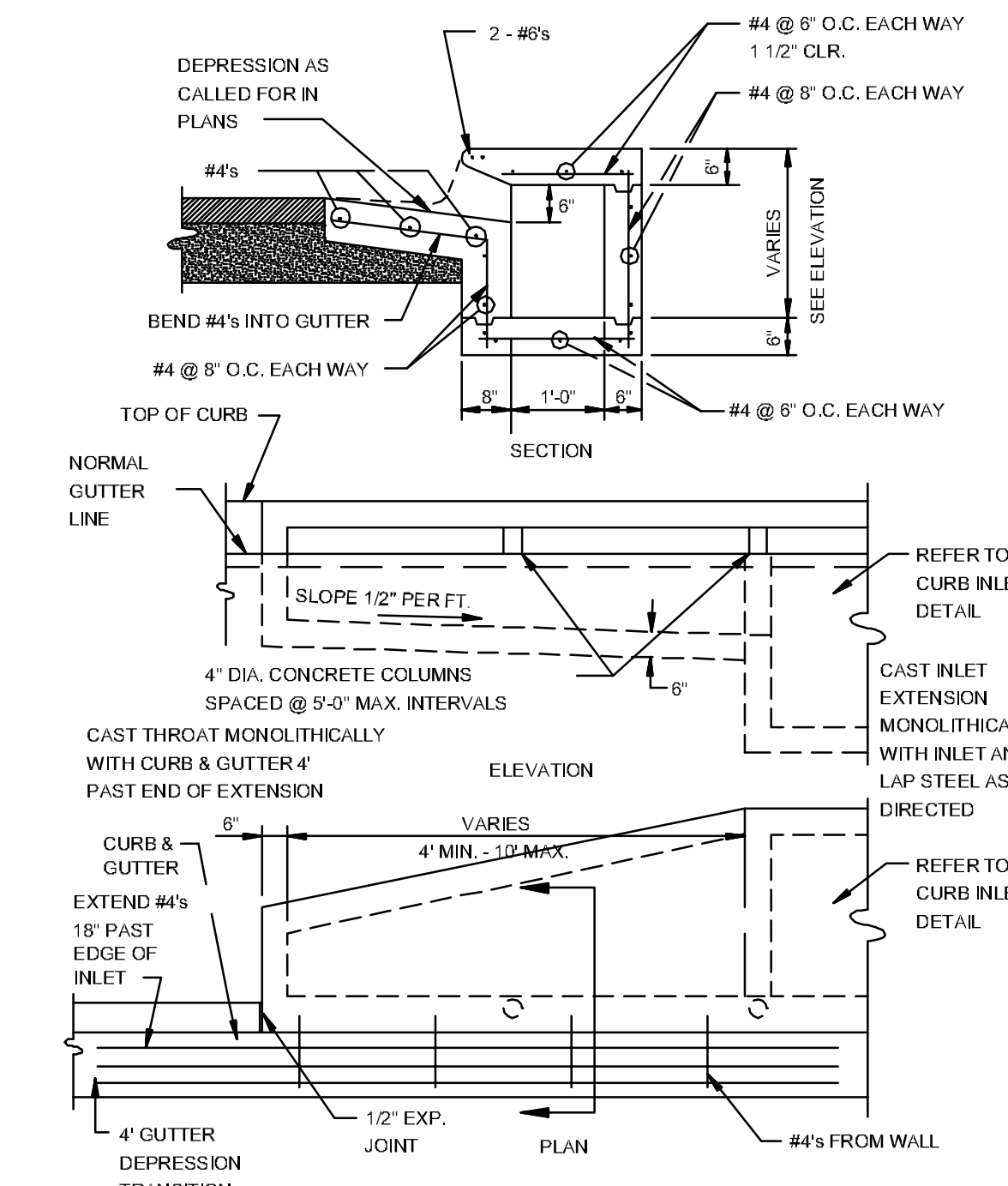


RECTANGULAR CURB INLET
N.T.S.

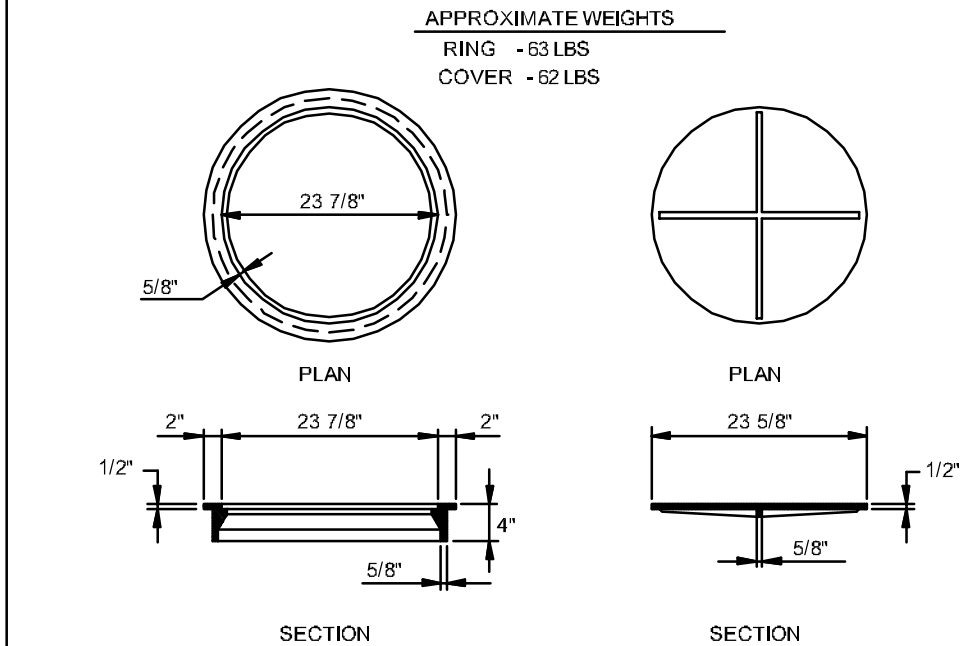


SECTION - TYPICAL CURB INLET - TYPE 'A'
N.T.S.

NOTE: INLETS MORE THAN 3'-0\"/>

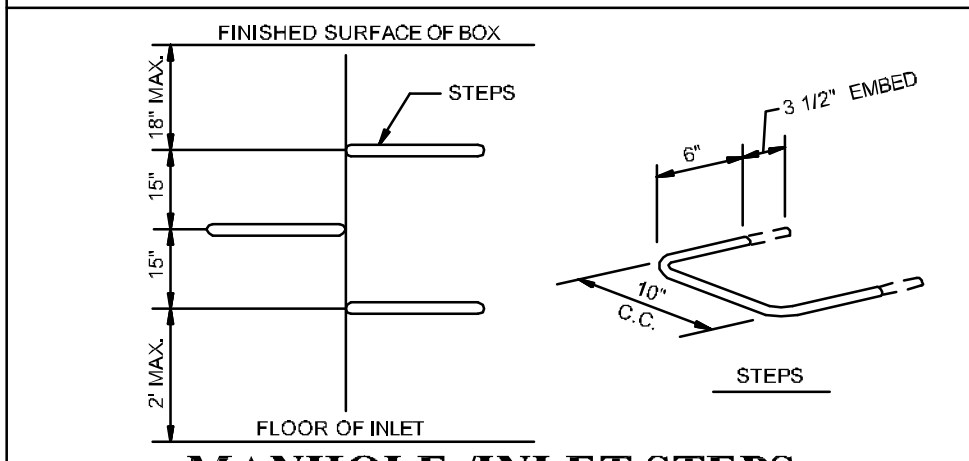


ALTERNATE CURB INLET EXTENSION
N.T.S.



TYPE I RING & COVER
N.T.S.

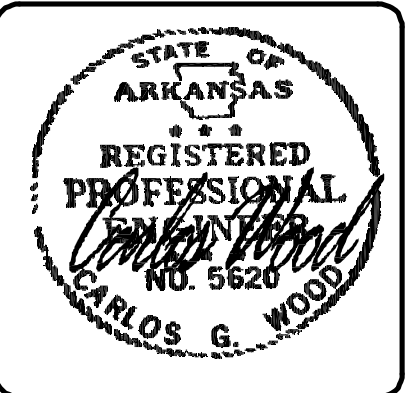
NOTE: TYPE I FRAME AND COVER PERMITTED ONLY ON STRUCTURES NOT SUBJECT TO VEHICULAR TRAFFIC.



MANHOLE / INLET STEPS
N.T.S.

STEPS SPECIFICATIONS:
A. MANHOLE STEPS: CORROSION RESISTANT, COATED AND REINFORCED WITH STEEL PER ASTM C478. STEEL REINFORCING MINIMUM 1/2" DIAMETER.
B. CAPABLE OF SUPPORTING MINIMUM 300 lb. LOAD.
C. NON-SLIP TEXTURED TREADS.
D. REQUIRED IN ALL STRUCTURES 3'-0" DEEP OR DEEPER, UNLESS SPECIFIED OTHERWISE.

DET-1

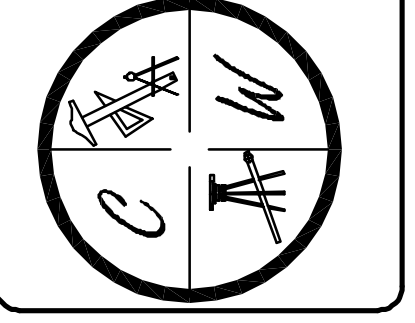


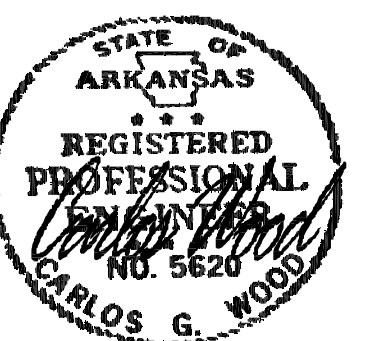
MERRELL ESTATES PHASE III, IV, V, & VI
JONESBORO, AR

TYPICAL STREET DETAILS

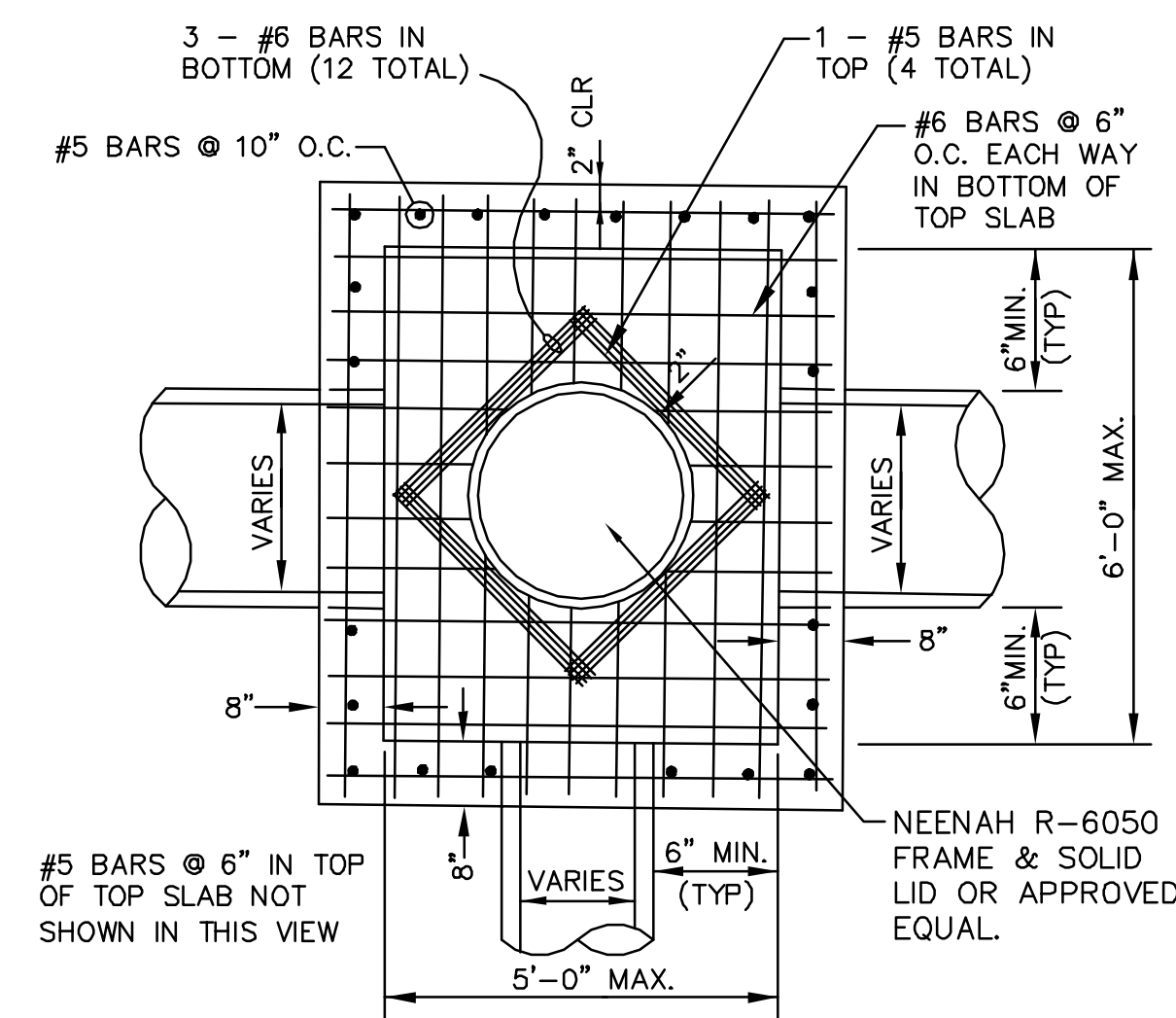
DATE: 3/2/22
REV: 1
DRAWN BY: BOW

CARLOS WOOD, P.E.
ENGINEERING CONSULTANT
122 OR 375
BONO, AR 72416
PHONE: (870) 972-8335
EMAIL: WOODENR@GSCGLOBAL.NET
WEBSITE: WWW.WOODENR.COM

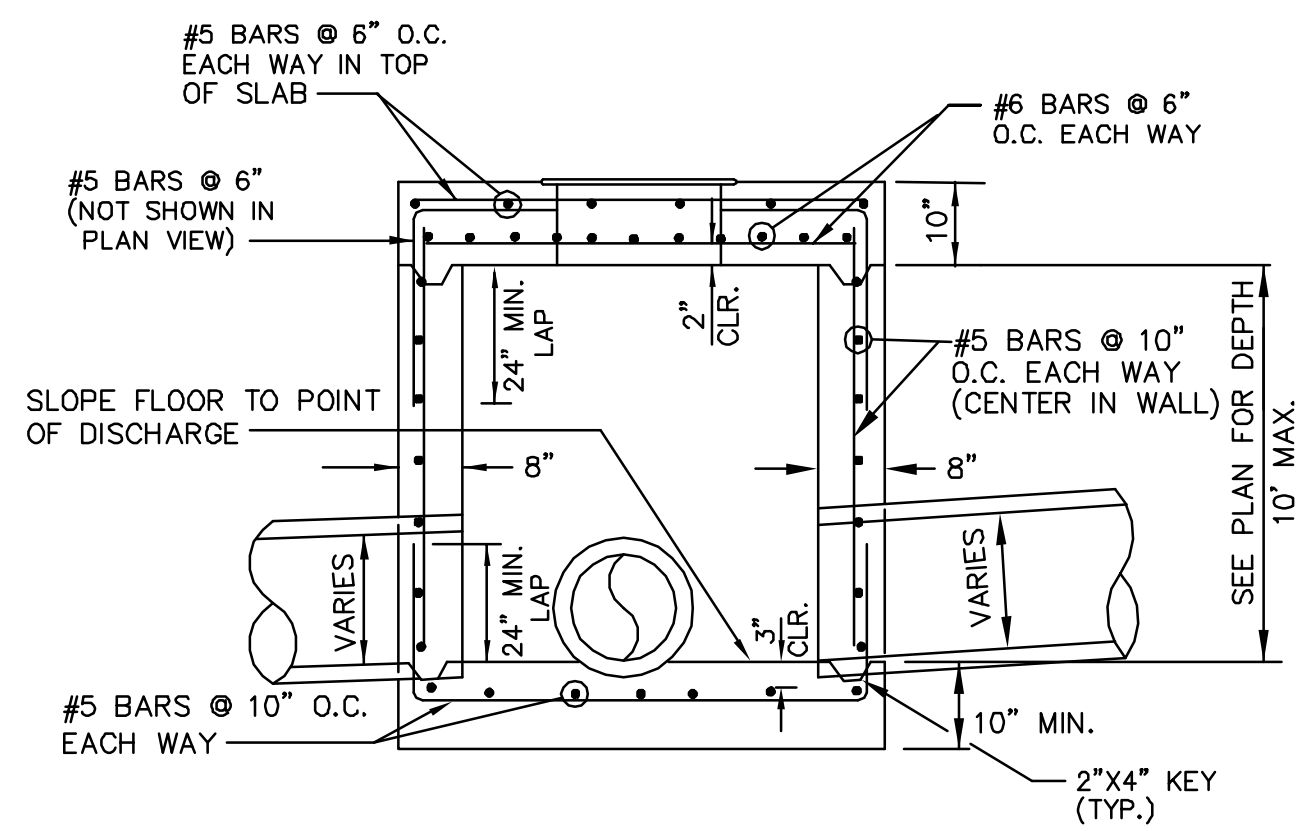




MERRELL ESTATES PHASE III, IV, V, & VI
JONESBORO, AR
TYPICAL
STREET DETAILS

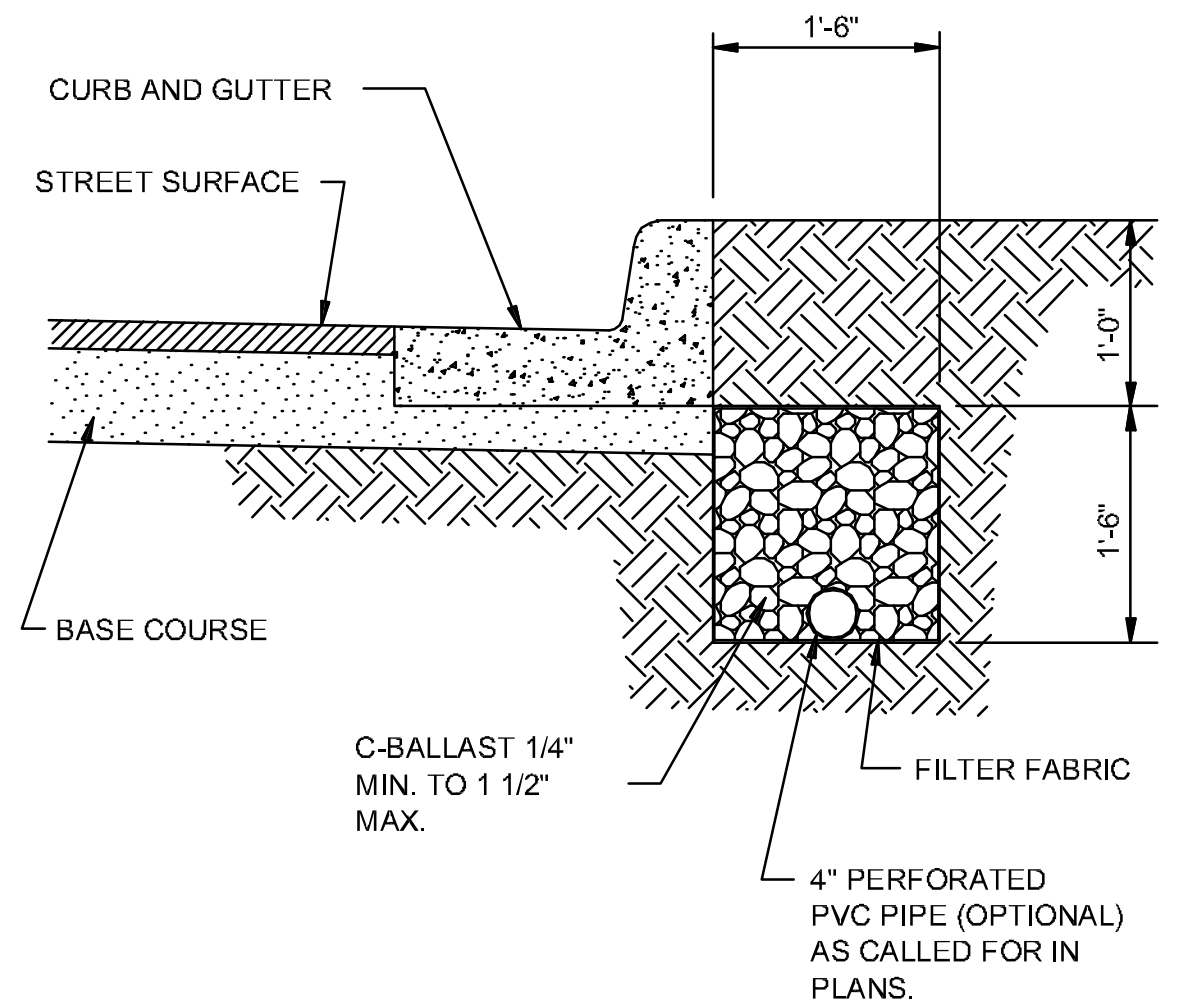


PLAN - JUNCTION BOX - HEAVY
SCALE: NONE



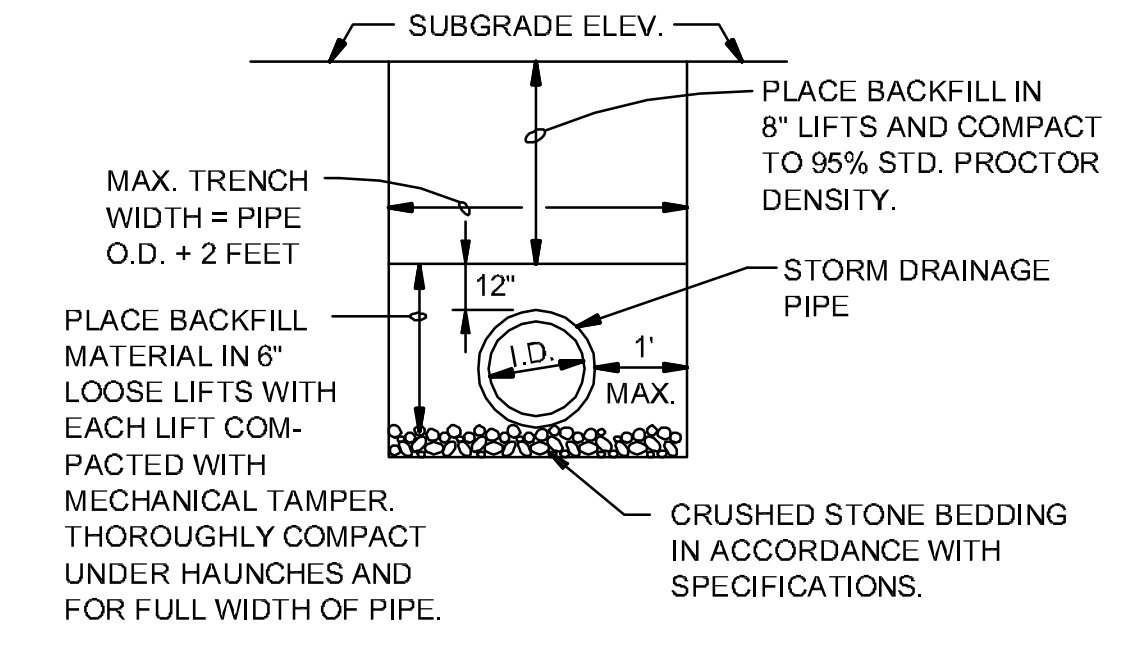
SECTION - JUNCTION BOX - HEAVY
N.T.S.

- NOTES:
1. SHOULD BE USED TO ACCOMMODATE VEHICULAR TRAFFIC.
 2. JUNCTION BOXES MORE THAN 3 FEET DEEP SHALL HAVE STANDARD MANHOLE STEPS PLACED @ 15" O.C.
 3. SEE REINFORCING DETAIL FOR OPENING IN WALL OR SLAB.



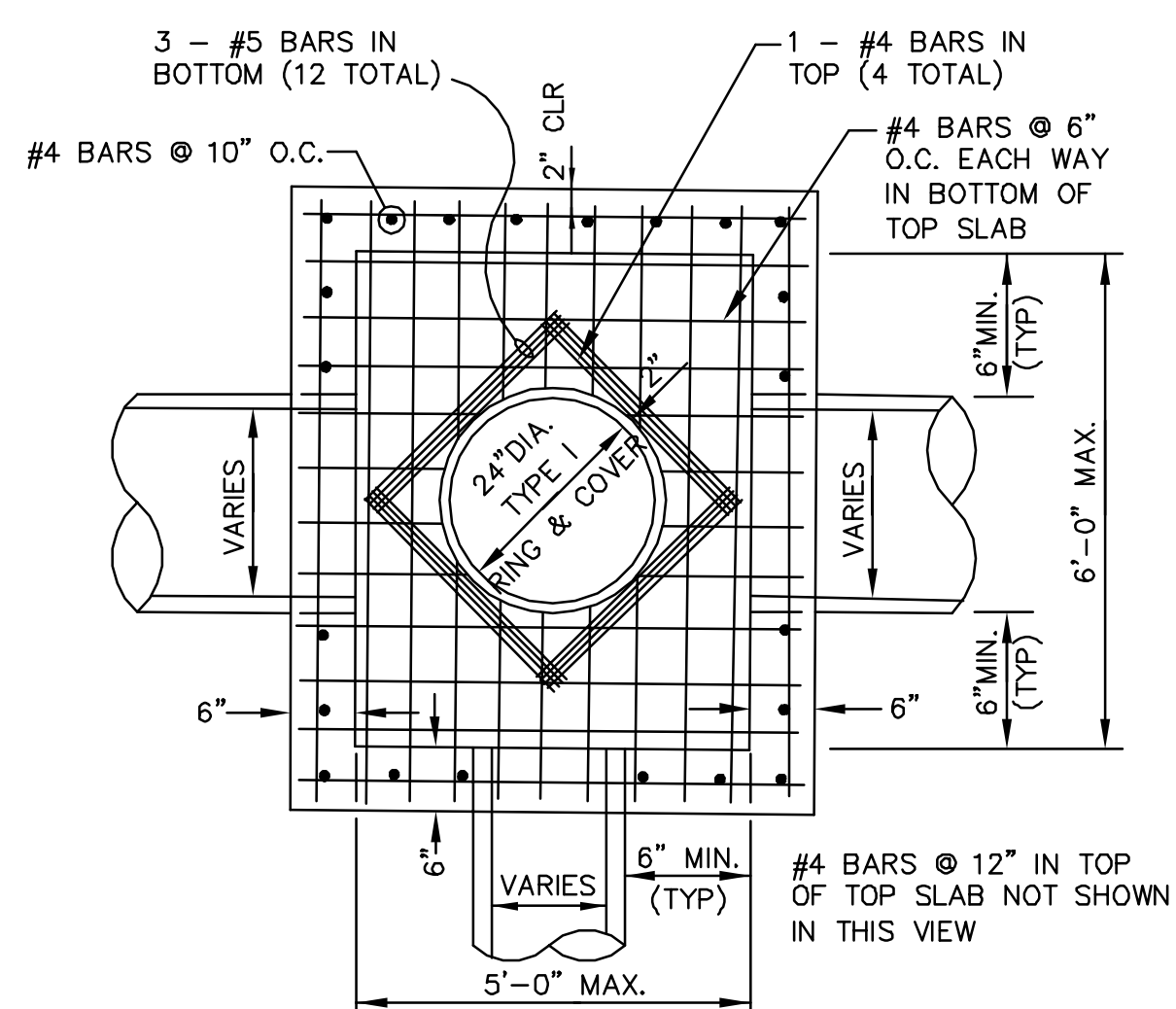
SUB-DRAIN DETAIL
N.T.S.

NOTE:
FINAL LOCATION OF SUB-DRAIN MAY BE DETERMINED BY THE ENGINEER DURING THE CONSTRUCTION PERIOD.



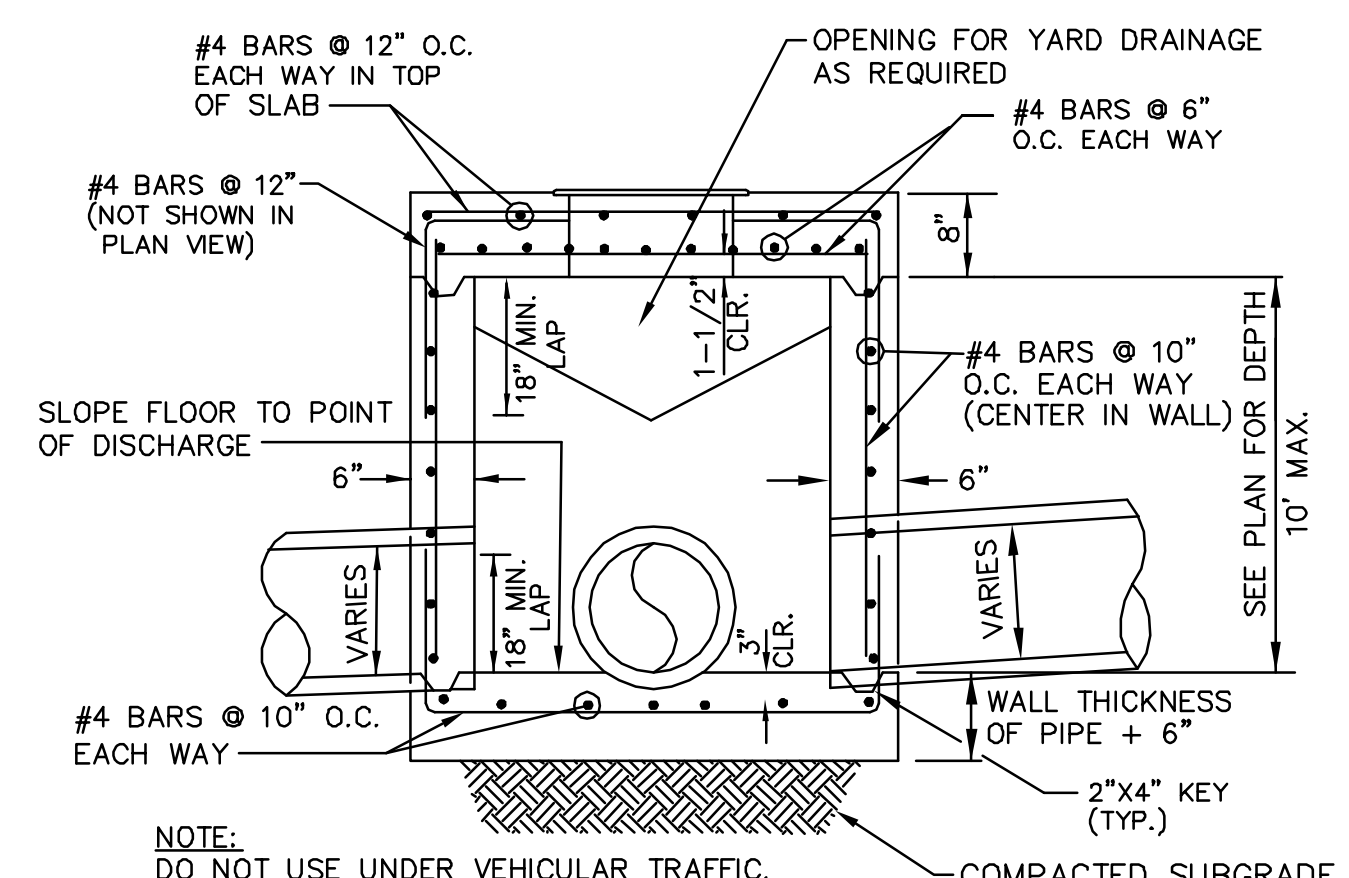
DRAINAGE PIPE TRENCH DETAIL
N.T.S.

NOTE: TO BE USED WITH NEW STREET CONSTRUCTION.
SEE DRAWING NO. PT-1 FOR EXISTING STREET CUTS.



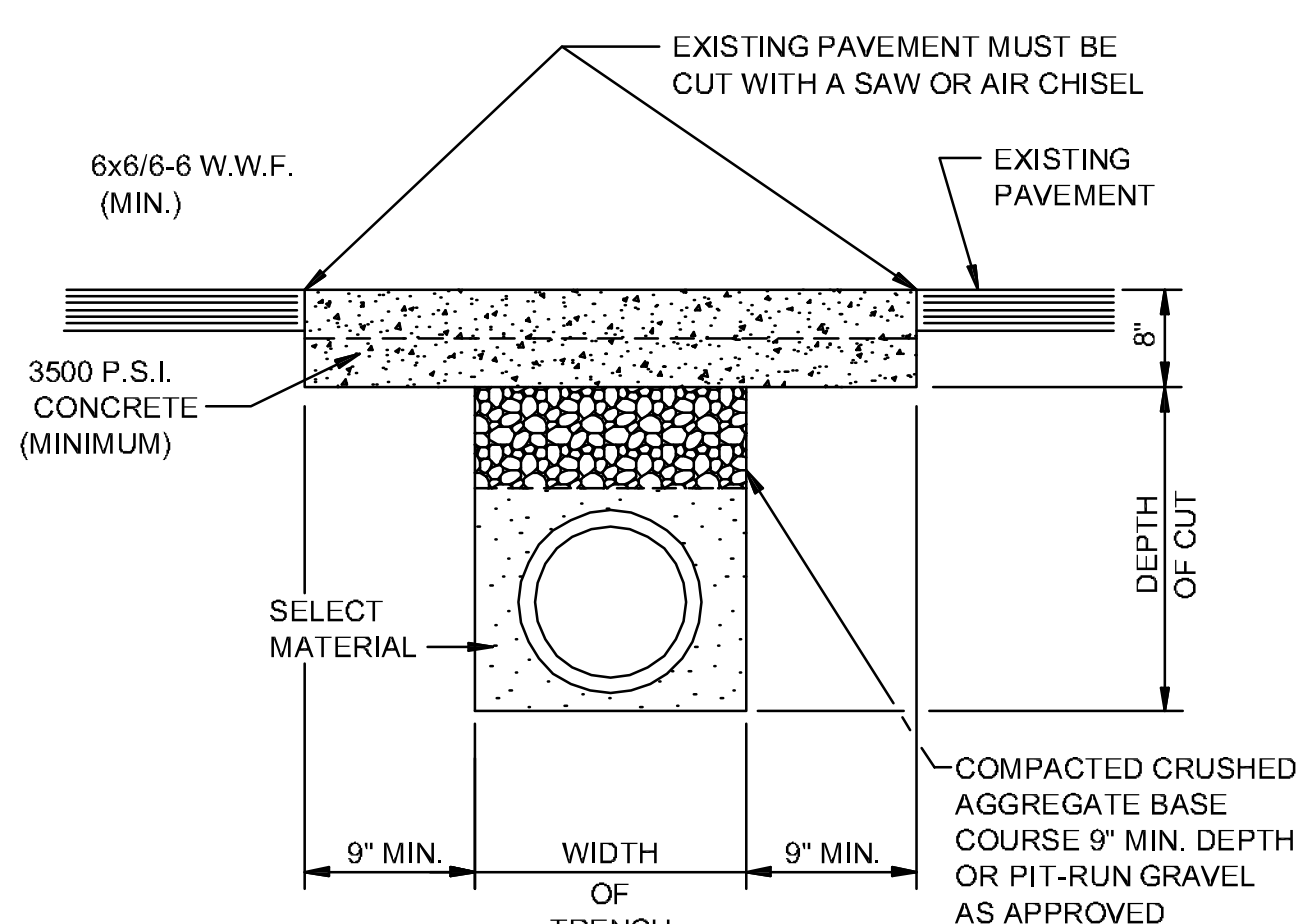
PLAN - JUNCTION BOX - LIGHT
SCALE: NONE

NOTE:
DO NOT USE UNDER VEHICULAR TRAFFIC.



SECTION - JUNCTION BOX - LIGHT
N.T.S.

- NOTE:
DO NOT USE UNDER VEHICULAR TRAFFIC.
- NOTES:
1. AS APPROVED BY THE ENGINEER, WALLS MAY BE 8" BLOCK WITH 1/2" MORTAR. FILL CELLS WITH CONCRETE AND WITH #4'S @ 16" O.C.. BLOCK WALLS SHALL NOT BE USED UNDER VEHICULAR LOADING. MINIMUM DISTANCE FROM WALL TO PIPE SHALL BE 8" IF BLOCK WALLS ARE USED.
 2. JUNCTION BOXES MORE THAN 3 FEET DEEP SHALL HAVE STANDARD MANHOLE STEPS PLACED @ 15" O.C.
 3. SEE REINFORCING DETAIL FOR OPENING IN WALL OR SLAB.



PAVEMENT TRENCH REPAIR DETAIL
N.T.S.

NOTE:
THE CONTRACTOR SHALL CALL PUBLIC WORKS DEPARTMENT FOR INSPECTION PRIOR TO PLACING CRUSHED AGGREGATE BASE COURSE AND PRIOR TO PLACING CONCRETE.

DATE: 3/2/22

REV:

DATE: 3/2/22

CARLOS WOOD, P.E.
ENGINEERING CONSULTANT
122 CR 375
BONO, AR 72416
PHONE: (870) 972-8335
EMAIL: WOODENGR@GSCGLOBAL.NET
WEBSITE: WWW.WOODENGR.COM

