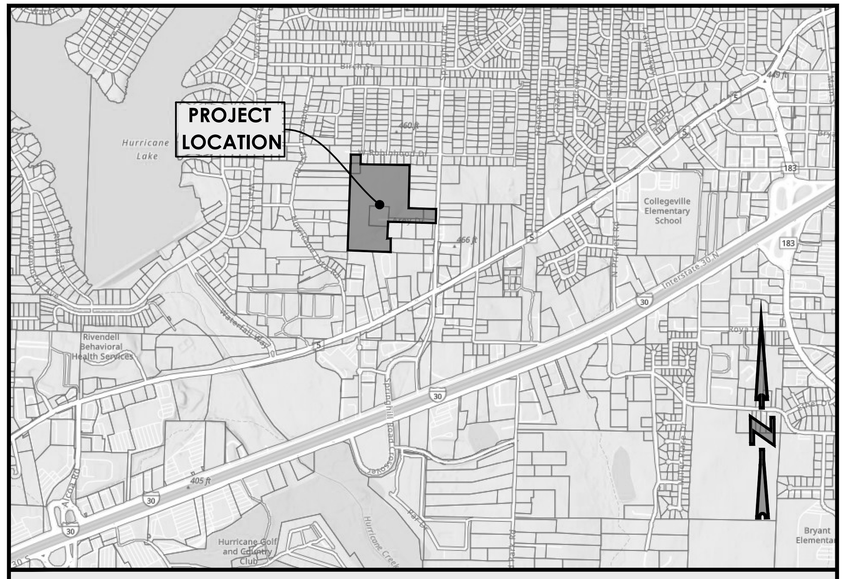
SPRINGHILL CROSSING
RESIDENTIAL SUBDIVISION
BRYANT, SALINE COUNTY, ARKANSAS

CIVIL CONSTRUCTION PLANS
August 2026

HOLLOWAY ENGINEERING JOB NO. 2026-071

LEGEND		
PROPOSED	DESCRIPTION	EXISTING
W	WATER LINE	W
G	GAS LINE	G
SS	SANITARY SEWER LINE	SS
FO	FIBER OPTIC LINE	FO
UGT	UNDERGROUND PHONE LINE	UGT
OHE	OVERHEAD ELECTRIC LINE	OHE
UGE	UNDERGROUND ELECTRIC LINE	
	STORM DRAINAGE PIPE	
X-X	DRAINAGE STRUCTURE - NO.	X-X
UGTV	CATV CABLE LINE	UGTV
x	FENCE	X
	DITCH FLOW LINE	
	CURB INLET/JUNCTION BOX	
	CONTROL POINT	
GM	GAS METER	GM
	GAS REGULATOR	
M	WATER METER	WM
	WATER VALVE	
	FIRE HYDRANT	
	AIR RELEASE VALVE	
	FIRE DEPARTMENT CONNECTION	
	GUY ANCHOR	
	UTILITY POLE	
	LIGHT POLE	
E	ELECTRICAL BOX	E
	SANITARY SEWER MANHOLE	
CO	SANITARY SEWER CLEAN-OUT	CO
	TELEPHONE PEDESTAL/RISER	
	SIGN	



VICINITY MAP

SHEET LIST TABLE	
Sheet Number	Sheet Title
C0.00	COVER SHEET
C0.01	PRELIMINARY PLAT (1 OF 3)
C0.02	PRELIMINARY PLAT (2 OF 3)
C0.03	PRELIMINARY PLAT (3 OF 3)
C1.00	ROADWAY OVERVIEW
C1.01	SPRINGHILL CROSSING P&P (1 OF 2)
C1.02	SPRINGHILL CROSSING P&P (2 OF 2)
C1.03	DYLAN RIDGE P&P (1 OF 2)
C1.04	DYLAN RIDGE P&P (2 OF 2)
C1.05	AUSTIN TRAIL P&P
C1.06	LEXIE LOOP P&P (1 OF 2)
C1.07	LEXIE LOOP P&P (2 OF 2)
C1.08	MACEY TRAIL P&P
C1.09	LEXIE TRAIL P&P (1 OF 2)
C1.10	LEXIE TRAIL P&P (2 OF 2)
C1.50	ROADWAY DETAILS
C2.00	GRADING & DRAINAGE OVERALL
C2.01	GRADING & DRAINAGE PLAN (2 OF 3)
C2.02	GRADING & DRAINAGE PLAN (3 OF 3)
C2.03	STORM SEWER OVERVIEW
C2.04	STORM SEWER P&P MAIN 1
C2.05	STORM SEWER P&P MAIN 2 (1 OF 2)
C2.06	STORM SEWER P&P MAIN 2 (2 OF 2)
C2.07	STORM SEWER P&P MAINS 3-5 & LATERAL 1
C2.50	GRADING & DRAINAGE DETAILS
C3.00	SWPPP-EROSION CONTROL PLAN INITIAL
C3.01	SWPPP-EROSION CONTROL PLAN INTERMEDIATE
C3.02	SWPPP-EROSION CONTROL PLAN FINAL
C3.10	SWPPP DETAILS
C4.00	UTILITY COORDINATION PLAN
C5.00	SANITARY SEWER OVERVIEW
C5.01	SANITARY SEWER P&P MAIN 1 (1 OF 5)
C5.02	SANITARY SEWER P&P MAIN 1 (2 OF 5)
C5.03	SANITARY SEWER P&P MAIN 1 (3 OF 5)
C5.04	SANITARY SEWER P&P MAIN 1 (4 OF 5)
C5.05	SANITARY SEWER P&P MAIN 1 (5 OF 5)
C5.06	SANITARY SEWER P&P LATERAL 1
C5.07	SANITARY SEWER P&P MAIN 2 (1 OF 3)
C5.08	SANITARY SEWER P&P MAIN 2 (2 OF 3)
C5.09	SANITARY SEWER P&P MAIN 2 (3 OF 3)
C5.10	SANITARY SEWER P&P LATERAL 2
C5.11	SANITARY SEWER P&P LATERAL 3
C5.50	SANITARY SEWER DETAILS (1 OF 2)
C5.51	SANITARY SEWER DETAILS (2 OF 2)
C6.00	WATER PLAN
C6.50	WATER DETAILS (1 OF 2)
C6.51	WATER DETAILS (2 OF 2)

DATE	PLAN SET	SHEET NO.

OWNER / DEVELOPER

BROCK CUSTOM HOMES
PO BOX 11140
CONWAY, AR 72034

ENGINEER/ SURVEYOR

HOLLOWAY ENGINEERING
200 CASEY DRIVE
MAUMELLE, AR 72113
(501) 851-3366

811 Know what's below. Call before you dig.

CAUTION: UNDERGROUND UTILITIES EXIST WITHIN AND ADJACENT TO THE LIMITS OF CONSTRUCTION AND AN ATTEMPT HAS BEEN MADE TO LOCATE THESE UTILITIES ON THE PLANS. HOWEVER, ALL EXISTING UTILITIES MAY NOT BE SHOWN AND THE ACTUAL LOCATIONS OF THE UTILITIES MAY VARY FROM THE LOCATIONS SHOWN. PRIOR TO BEGINNING ANY TYPE OF EXCAVATION, THE CONTRACTOR SHALL CONTACT THE UTILITIES INVOLVED AND MAKE ARRANGEMENTS FOR THE LOCATION OF THE UTILITIES ON THE GROUND. THE CONTRACTOR SHALL MAINTAIN THE UTILITY LOCATION MARKINGS UNTIL THEY ARE NO LONGER NECESSARY. ARKANSAS STATE LAW, THE UNDERGROUND FACILITIES DAMAGE PREVENTION ACT, REQUIRES TWO WORKING DAYS ADVANCE NOTIFICATION THROUGH THE ARKANSAS ONE-CALL SYSTEM CENTER BEFORE EXCAVATING USING MECHANIZED EQUIPMENT OR EXPLOSIVES (EXCEPT IN THE CASE OF AN EMERGENCY). THE ONE-CALL SYSTEM PHONE NUMBER IS 1-800-482-8998. THE CONTRACTOR IS ADVISED THAT THERE IS A SEVERE PENALTY FOR NOT MAKING THIS CALL. NOT ALL UTILITY COMPANIES ARE MEMBERS OF THE ARKANSAS ONE-CALL SYSTEM; THEREFORE, THE CONTRACTOR IS ADVISED TO CONTACT ALL NON-MEMBER UTILITIES, AS WELL AS THE ONE-CALL SYSTEM.

Holloway Engineering, Surveying & Civil Design

200 Casey Drive
Maumelle, AR 72113
(501) 851-3366
www.holloway-eng.com

REV.	DATE	DESCRIPTION	BY

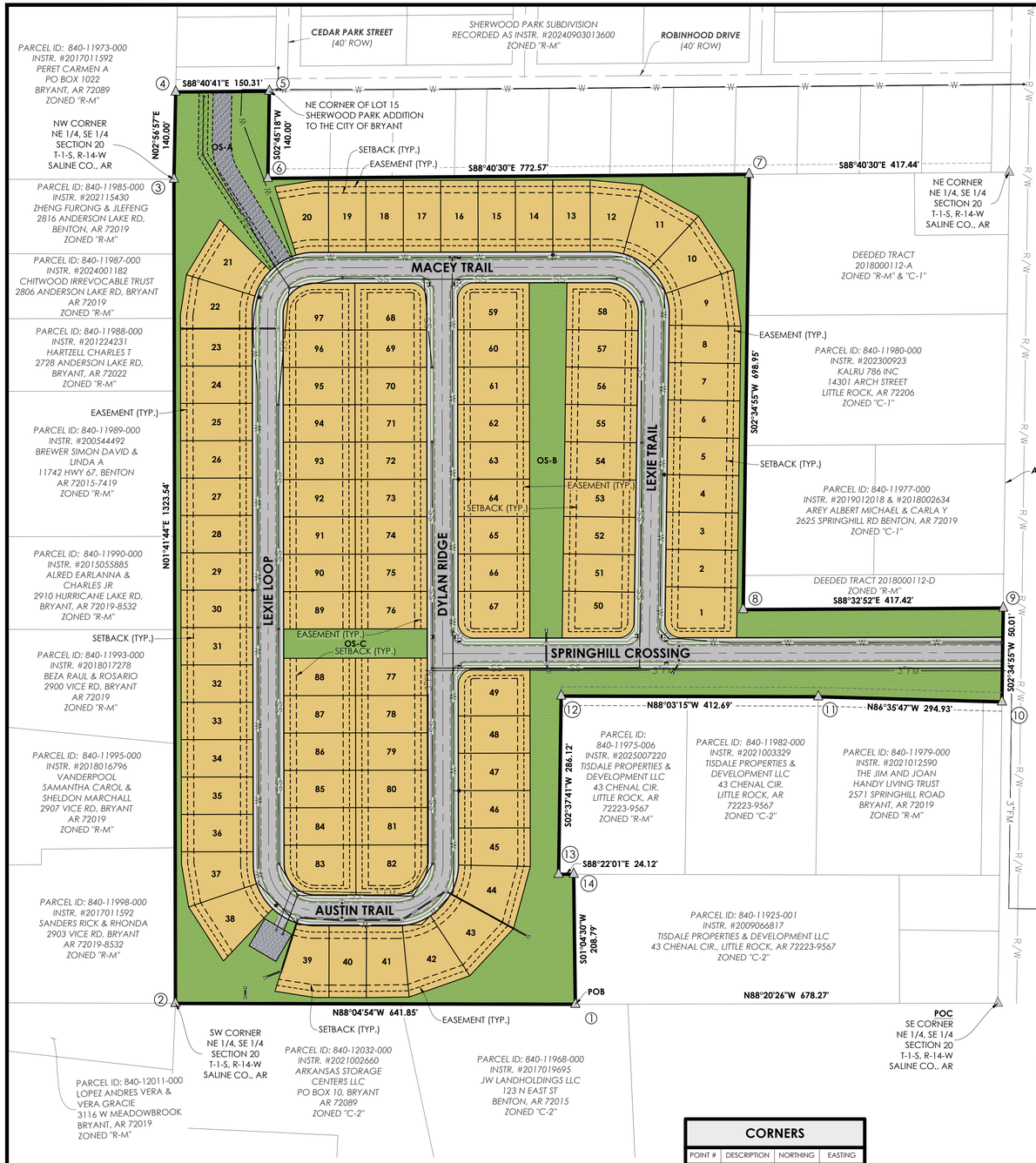
SPRINGHILL CROSSING
BRYANT, SALINE COUNTY, ARKANSAS
COVER SHEET

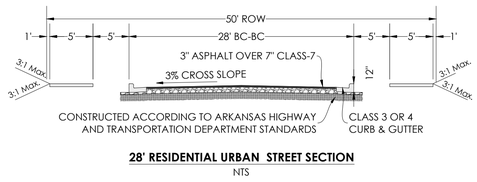
STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18898
JOHNIC HOLLOWAY
8/26/26

Holloway Engineering, Surveying & Civil Design, PLLC #1879 CERTIFICATE OF AUTHORIZATION ARKANSAS - ENGINEERING

JOB NO.: 2026-071
DATE: 8/26/26
SHEET NUMBER:

C0.00

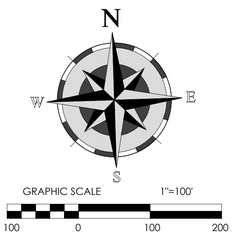




28' RESIDENTIAL URBAN STREET SECTION
NTS

CORNERS

POINT #	DESCRIPTION	NORTHING	EASTING
1	CALCULATED	103821.12	1156382.09
2	CALCULATED	103842.62	1155740.60
3	CALCULATED	105165.57	1155779.76
4	CALCULATED	105305.38	1155786.96
5	CALCULATED	105301.91	1155937.23
6	CALCULATED	105162.08	1155930.50
7	CALCULATED	105144.21	1156702.86
8	CALCULATED	104445.97	1156671.38
9	CALCULATED	104435.39	1157088.66
10	CALCULATED	104284.87	1157081.88
11	CALCULATED	104302.38	1156787.47
12	CALCULATED	104316.39	1156375.01
13	CALCULATED	104030.57	1156361.89
14	CALCULATED	104029.88	1156386.00



BASIS OF BEARING
STATE PLANE COORDINATES
ARKANSAS NORTH ZONE NAD-83

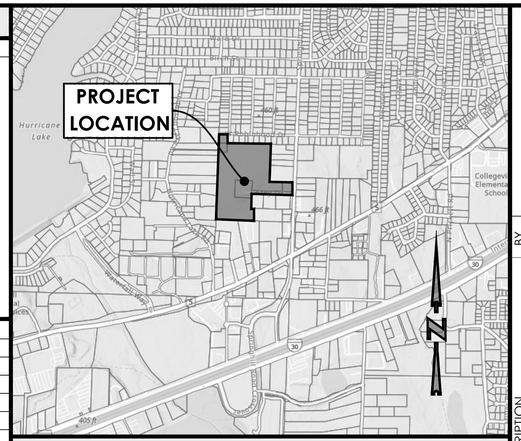
ACREAGE PER 40

NE 1/4, SE 1/4, SECTION 20	26.051 ACRES
SE 1/4, NE 1/4, SECTION 20	0.484 ACRES
TOTAL	26.535 ACRES

LEGEND

PROPOSED	DESCRIPTION
	BOUNDARY FINAL
	BOUNDARY ADJOINER
	EASEMENT
	BUILDING SETBACK
W	WATER LINE
SS	SANITARY SEWER LINE
	STORM DRAINAGE PIPE
	FD MONUMENT (AS NOTED)
	SET MONUMENT (AS NOTED)
	CALCULATED POINT
	CURB INLET/JUNCTION BOX
M	WATER METER
	WATER VALVE
	FIRE HYDRANT
	SANITARY SEWER MANHOLE

TOTAL PARCEL SIZE	26.535 ACRES
PROPOSED USAGE	RESIDENTIAL "R-M"
COMMON OPEN SPACE	5.484 ACRES (20.67%)
LENGTH OF NEW ROADS	4354 LF
MINIMUM LOT SIZE	0.158 AC
# OF LOTS (RESIDENTIAL)	97 LOTS
LOTS PER GROSS ACRE	3.655 LOTS/ACRE
AVERAGE LOT SIZE	0.166 AC



VICINITY MAP

OPEN SPACE:

TRACT A	4.501 AC
TRACT B	0.735 AC
TRACT C	0.248 AC
TOTAL:	5.484 AC

PRELIMINARY PLAT
OF
SPRINGHILL CROSSING
BRYANT, SALINE COUNTY, ARKANSAS
8/26/26
ZONED "R-M"

TRACT 20180000112-F CERTIFICATE OF OWNER

WE, THE UNDERSIGNED, OWNERS OF THE REAL ESTATE SHOWN AND DESCRIBED HEREIN, DO HEREBY CERTIFY THAT WE HAVE LAID OFF, PLATTED AND SUBDIVIDED, AND DO HEREBY LAY OFF, PLAT AND SUBDIVIDE SAID REAL ESTATE IN ACCORDANCE WITH THIS PLAT.

DATE

CAROLYN COUNTS
324 OSMOND LN
BISMARK, AR 71929

INSTRUMENT NO. 2018000112

TRACT 2018004312 CERTIFICATE OF OWNER

WE, THE UNDERSIGNED, OWNERS OF THE REAL ESTATE SHOWN AND DESCRIBED HEREIN, DO HEREBY CERTIFY THAT WE HAVE LAID OFF, PLATTED AND SUBDIVIDED, AND DO HEREBY LAY OFF, PLAT AND SUBDIVIDE SAID REAL ESTATE IN ACCORDANCE WITH THIS PLAT.

DATE

CAROLYN R. COUNTS WALLACE
324 OSMOND LN
BISMARK, AR 71929

INSTRUMENT NO. 2018004312

CERTIFICATE OF PRELIMINARY SURVEYING ACCURACY

I, J. ERIC HOLLOWAY, HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS A BOUNDARY SURVEY MADE OR VERIFIED BY ME THAT ALL SURVEYING REQUIREMENTS OF THE STATE OF ARKANSAS AND CITY OF BRYANT SUBDIVISION RULES AND REGULATIONS HAVE BEEN COMPLIED WITH AND FILED FOR RECORD AS REQUIRED.

8/26/26
DATE

J. ERIC HOLLOWAY
PROFESSIONAL SURVEYOR NO. 1803, AR

CERTIFICATE OF PRELIMINARY ENGINEERING ACCURACY

I, J. ERIC HOLLOWAY HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS A PLAT MADE BY ME, AND THAT ENGINEERING REQUIREMENTS OF THE BRYANT SUBDIVISION RULES AND REGULATIONS HAVE BEEN COMPLIED WITH.

8/26/26
DATE

J. ERIC HOLLOWAY
PROFESSIONAL ENGINEER
AR NO. 18898

TRACT 2007077496 CERTIFICATE OF OWNER

WE, THE UNDERSIGNED, OWNERS OF THE REAL ESTATE SHOWN AND DESCRIBED HEREIN, DO HEREBY CERTIFY THAT WE HAVE LAID OFF, PLATTED AND SUBDIVIDED, AND DO HEREBY LAY OFF, PLAT AND SUBDIVIDE SAID REAL ESTATE IN ACCORDANCE WITH THIS PLAT.

DATE

BETTY L. HOPPER & BILLY R. HOPPER
271 MOCCASIN LANE
BISMARK, AR 71929-6435

INSTRUMENT NO. 2007077496

TRACT 1998014967 CERTIFICATE OF OWNER

WE, THE UNDERSIGNED, OWNERS OF THE REAL ESTATE SHOWN AND DESCRIBED HEREIN, DO HEREBY CERTIFY THAT WE HAVE LAID OFF, PLATTED AND SUBDIVIDED, AND DO HEREBY LAY OFF, PLAT AND SUBDIVIDE SAID REAL ESTATE IN ACCORDANCE WITH THIS PLAT.

DATE

CAROLYN A. COUNTS
ADDRESS
CITY, AR ZIP

INSTRUMENT NO. 1998014967

CERTIFICATE OF PRELIMINARY PLAT APPROVAL

PURSUANT TO THE CITY OF BRYANT SUBDIVISION RULES AND REGULATIONS, AND ALL OF THE CONDITIONS OF APPROVAL HAVING BEEN COMPLETED, THIS DOCUMENT IS HEREBY ACCEPTED. THIS CERTIFICATE IS HEREBY EXECUTED UNDER THE AUTHORITY OF SAID RULES AND REGULATIONS.

DATE

COLTON LEONARD
DIRECTOR
PLANNING & DEVELOPMENT

DEVELOPER
BROCK CUSTOM HOMES
PO BOX 11140
CONWAY, AR 72034

LEGAL DESCRIPTION:
Lands lying in the Northeast Quarter of the Southeast quarter and the Southeast quarter of the Northeast quarter all in Section 20, Township 1 South, Range 14 west, Saline County, Arkansas. Being more particularly described as follows:

Commencing at the Southeast corner of the Northeast Quarter of the Southeast Quarter of said Section 20 also being a point on the centerline of Springhill road; thence along the South line of said Northeast Quarter North 88 degrees 20 minutes 26 seconds West 678.27 feet to the point of beginning; thence continuing along said South line North 88 degrees 04 minutes 54 seconds West 641.85 feet to the Southwest corner of said Northeast Quarter; thence along the West line of said Northeast Quarter North 01 degrees 41 minutes 44 seconds East 1323.54 feet to the Northwest corner of said Northeast Quarter; thence leaving said Northeast Quarter and along the West line of the Southeast Quarter of the Northeast Quarter North 02 degrees 56 minutes 57 seconds East 140.00 feet to a point on the South Right-Of-Way line of West Robinhood Drive; thence leaving West line of said Southeast Quarter and along said South Right-Of-Way line South 88 degrees 40 minutes 41 seconds East 150.31 feet to the Northeast corner of Lot 15 Sherwood Park Addition to the City of Bryant recorded as instrument #202409030 records of Saline County, Arkansas; thence leaving said South Right-Of-Way line and along the West line of said Lot 15 South 02 degrees 45 minutes 18 seconds West 140.00 feet to a point on the South Line of the Southeast Quarter of the Northeast Quarter also being the North line of the Northeast Quarter of the Southeast Quarter; thence along the North line of the Northeast Quarter of the Southeast Quarter South 88 degrees 40 minutes 30 seconds East 772.57 feet; thence leaving said North line South 02 degrees 34 minutes 55 seconds west 698.95 feet; thence south 88 degrees 32 minutes 52 seconds east 417.42 feet to a point on the East line of the Northeast Quarter of the Southeast Quarter also being a point on the centerline of Springhill Road; thence along said East line and said centerline South 02 degrees 34 minutes 55 seconds West 50.01 feet; thence leaving said East line and said centerline North 86 degrees 35 minutes 47 seconds West 249.93 feet; thence North 88 degrees 03 minutes 15 seconds West 412.69 feet; thence south 02 degrees 37 minutes 41 seconds West 286.12 feet; thence South 88 degrees 22 minutes 01 seconds East 24.12 feet; thence South 01 degrees 04 minutes 30 seconds West 208.79 feet to the point of beginning.

GENERAL NOTES:

1. ALL FRONT YARD SETBACKS ARE 20' UNLESS OTHERWISE NOTED.
2. ALL REAR YARD SETBACKS ARE 20' UNLESS OTHERWISE NOTED.
3. ALL INTERIOR SIDE YARD SETBACKS ARE 8' UNLESS OTHERWISE NOTED.
4. ALL EXTERIOR SIDE YARD SETBACKS ARE 15' UNLESS OTHERWISE NOTED.
5. ALL LOTS HAVE A FRONT, REAR AND EXTERIOR SIDE 10' DRAINAGE & UTILITY EASEMENT.
6. ALL LOTS HAVE A INTERIOR SIDE 5' DRAINAGE AND UTILITY EASEMENT.
7. ALL OPEN SPACES ARE ACCESS, DRAINAGE AND UTILITY EASEMENTS.
8. ALL ACCESS EASEMENTS, PARKS, AND OPEN SPACES SHALL BE MAINTAINED BY THE PROPERTY OWNERS ASSOCIATION.
9. ALL STREET RADII ARE 25' UNLESS OTHERWISE NOTED.
10. ALL SIDEWALKS ARE 5' WIDE CONCRETE.
11. ALL LOTS ARE SINGLE FAMILY HOUSING.
12. RESIDENTIAL FLOOR ELEVATIONS SHALL BE 1'-0" ABOVE THE 100 YEAR FLOOD ELEVATION.
13. WATER IS SUPPLIED BY BRYANT WATER DISTRIBUTION.
14. WASTEWATER DISPOSAL IS SUPPLIED BY BRYANT WASTEWATER UTILITIES.
15. ALL WATER MAINS ARE 8" CL-50 DUCTILE IRON PIPE.
16. ALL SEWER MAINS ARE 8" SDR-26 PVC PIPE.
17. ALL DETENTION AND DRAINAGE SHALL BE BUILT TO CITY STANDARDS AND APPROVED BY ENGINEER.
18. MINIMUM SQ FT TO BE THE SAME AS CITY OF BRYANT R-1 ZONING.

FLOOD STATEMENT:

GRAPHIC PLOTTING OF THE INFORMATION SHOWN ON FLOOD INSURANCE RATE MAP NO. 05125C0360E, DATED MAY 5, 2020, INDICATES THAT NO PORTION OF THE PROPERTIES SHOWN HEREON LIE WITHIN A SPECIAL FLOOD HAZARD..

Holloway Engineering,
Surveying & Civil Design

200 Casey Drive
Maumelle, AR 72113
(501) 851-3366
www.holloway-eng.com

REV.	DATE	DESCRIPTION	BY

SPRINGHILL CROSSING
BRYANT, SALINE COUNTY, ARKANSAS
PRELIMINARY PLAT (1 OF 3)

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18898
J. ERIC HOLLOWAY
8/26/26

CERTIFICATE OF AUTHORIZATION
Holloway Engineering, Surveying & Civil Design, PLLC
#1879
ARKANSAS ENGINEER

JOB NO.: 2026-071
DATE: 8/26/26
SHEET NUMBER:

C0.01

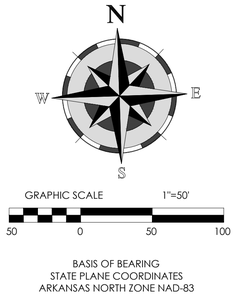
L:\2026\2026-071 - Daryl Bryant 26 Ac project\Drawings\Sheets\C0.01 PRELIMINARY PLAT.dwg

CORNERS			
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13	CALCULATED	104030.57	1156361.89
14	CALCULATED	104029.88	1156386.00

CURVE TABLE				
CURVE #	LENGTH	RADIUS	CHORD DIRECTION	CHORD LENGTH
C1	118.97'	75.00'	S42°51'41"E	106.88'
C2	117.81'	75.00'	N46°41'44"E	106.07'
C3	117.52'	75.00'	N43°11'35"W	105.86'
C4	118.10'	75.00'	S46°48'25"W	106.27'

GENERAL NOTES:

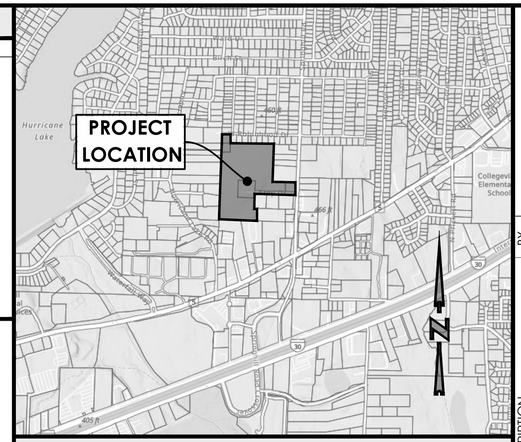
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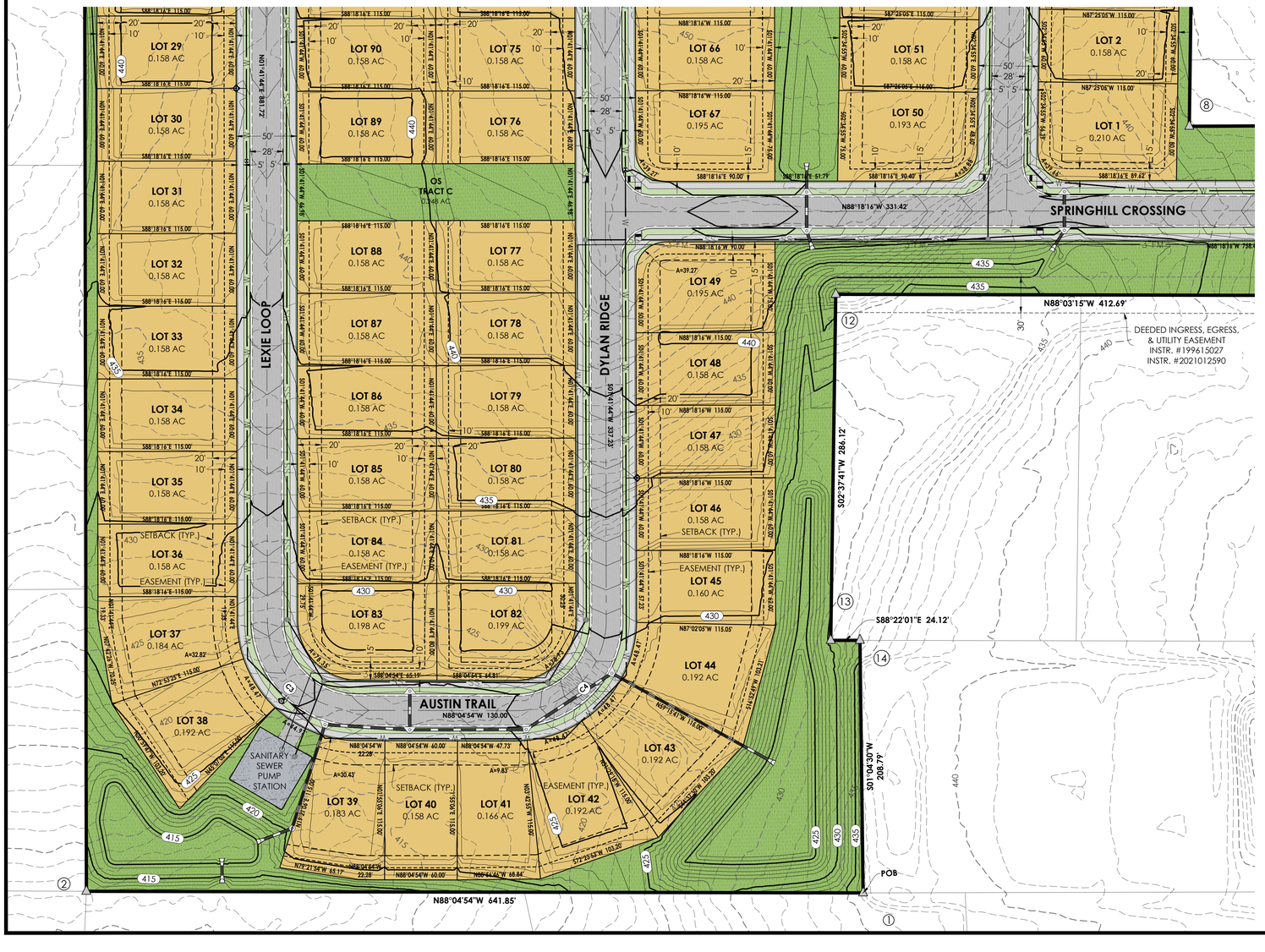
BASIS OF BEARING
STATE PLANE COORDINATES
ARKANSAS NORTH ZONE NAD-83

LEGEND

PROPOSED	DESCRIPTION
	BOUNDARY FINAL
	BOUNDARY ADJOINER
	EASEMENT
	BUILDING SETBACK
W	WATER LINE
SS	SANITARY SEWER LINE
	STORM DRAINAGE PIPE
	FD MONUMENT (AS NOTED)
	SET MONUMENT (AS NOTED)
	CALCULATED POINT
	CURB INLET/JUNCTION BOX
M	WATER METER
	WATER VALVE
	FIRE HYDRANT
	SANITARY SEWER MANHOLE



VICINITY MAP



PRELIMINARY PLAT
OF
SPRINGHILL CROSSING
BRYANT, SALINE COUNTY, ARKANSAS
8/26/26

CERTIFICATE OF PRELIMINARY SURVEYING ACCURACY

I, J. ERIC HOLLOWAY, HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS A BOUNDARY SURVEY MADE OR VERIFIED BY ME THAT ALL SURVEYING REQUIREMENTS OF THE STATE OF ARKANSAS AND CITY OF BRYANT SUBDIVISION RULES AND REGULATIONS HAVE BEEN COMPLIED WITH AND FILED FOR RECORD AS REQUIRED.

8/26/26
DATE

J. ERIC HOLLOWAY
PROFESSIONAL SURVEYOR NO. 1803, AR

CERTIFICATE OF PRELIMINARY ENGINEERING ACCURACY

I, J. ERIC HOLLOWAY HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS A PLAT MADE BY ME, AND THAT ENGINEERING REQUIREMENTS OF THE BRYANT SUBDIVISION RULES AND REGULATIONS HAVE BEEN COMPLIED WITH.

8/26/26
DATE

J. ERIC HOLLOWAY
PROFESSIONAL ENGINEER
AR NO. 18898

CERTIFICATE OF PRELIMINARY PLAT APPROVAL

PURSUANT TO THE CITY OF BRYANT SUBDIVISION RULES AND REGULATIONS, AND ALL OF THE CONDITIONS OF APPROVAL HAVING BEEN COMPLETED, THIS DOCUMENT IS HEREBY ACCEPTED. THIS CERTIFICATE IS HEREBY EXECUTED UNDER THE AUTHORITY OF SAID RULES AND REGULATIONS.

DATE

COLTON LEONARD
DIRECTOR
PLANNING & DEVELOPMENT

DEVELOPER

BROCK CUSTOM HOMES
PO BOX 11140
CONWAY, AR 72034

STATE OF ARKANSAS REGISTERED No. 1803 JOSHUA RUBLE PROFESSIONAL LAND SURVEYOR J. ERIC HOLLOWAY

TRACT 2018000112-F CERTIFICATE OF OWNER

WE, THE UNDERSIGNED, OWNERS OF THE REAL ESTATE SHOWN AND DESCRIBED HEREIN, DO HEREBY CERTIFY THAT WE HAVE LAID OFF, PLATTED AND SUBDIVIDED, AND DO HEREBY LAY OFF, PLAT AND SUBDIVIDE SAID REAL ESTATE IN ACCORDANCE WITH THIS PLAT.

DATE

CAROLYN COUNTS
324 OSMOND LN
BISMARK, AR 71929

INSTRUMENT NO. 2018000112

TRACT 2007077496 CERTIFICATE OF OWNER

WE, THE UNDERSIGNED, OWNERS OF THE REAL ESTATE SHOWN AND DESCRIBED HEREIN, DO HEREBY CERTIFY THAT WE HAVE LAID OFF, PLATTED AND SUBDIVIDED, AND DO HEREBY LAY OFF, PLAT AND SUBDIVIDE SAID REAL ESTATE IN ACCORDANCE WITH THIS PLAT.

DATE

BETTY L. HOPPER & BILLY R. HOPPER
271 MOCCASIN LANE
BISMARK, AR 71929-6435

INSTRUMENT NO. 2007077496

TRACT 20180004312 CERTIFICATE OF OWNER

WE, THE UNDERSIGNED, OWNERS OF THE REAL ESTATE SHOWN AND DESCRIBED HEREIN, DO HEREBY CERTIFY THAT WE HAVE LAID OFF, PLATTED AND SUBDIVIDED, AND DO HEREBY LAY OFF, PLAT AND SUBDIVIDE SAID REAL ESTATE IN ACCORDANCE WITH THIS PLAT.

DATE

CAROLYN R. COUNTS WALLACE
324 OSMOND LN
BISMARK, AR 71929

INSTRUMENT NO. 2018004312

TRACT 19980014967 CERTIFICATE OF OWNER

WE, THE UNDERSIGNED, OWNERS OF THE REAL ESTATE SHOWN AND DESCRIBED HEREIN, DO HEREBY CERTIFY THAT WE HAVE LAID OFF, PLATTED AND SUBDIVIDED, AND DO HEREBY LAY OFF, PLAT AND SUBDIVIDE SAID REAL ESTATE IN ACCORDANCE WITH THIS PLAT.

DATE

CAROLYN A. COUNTS
ADDRESS
CITY, AR ZIP

INSTRUMENT NO. 1998014967

SURVEY CODE:
500-01S-14W-0-20-102-62-1803

Holloway Engineering, Surveying & Civil Design

200 Casey Drive
Maumelle, AR 72113
(501) 851-3366
www.holloway-eng.com

REV.	DATE	DESCRIPTION	BY

SPRINGHILL CROSSING
BRYANT, SALINE COUNTY, ARKANSAS
PRELIMINARY PLAT (2 OF 3)

STATE OF ARKANSAS LICENSED PROFESSIONAL ENGINEER No. 18898 J. ERIC HOLLOWAY
8/26/26

CERTIFICATE OF AUTHORIZATION Holloway Engineering, Surveying & Civil Design, PLLC #1879 ARKANSAS ENGINEERING

JOB NO.: 2026-071
DATE: 8/26/26
SHEET NUMBER:

C0.02

L:\2026\2026-071 - Daryl Bryant 26 Ac project\Drawings\Sheets\C0.01 PRELIMINARY PLAT.dwg

CONNECTION TO EXISTING 2" WATER MAIN AT THE INTERSECTION OF WEST ROBINHOOD DRIVE AND CEDAR PARK STREET

WEST ROBINHOOD DRIVE (40' ROW)

CONNECTION TO EXISTING 8" WATER MAIN ALONG OF SPRINGHILL ROAD

S88°40'41"E 150.31'

30' EMERGENCY ACCESS GRAVEL DRIVE

SHERWOOD PARK SUBDIVISION RECORDED AS INSTR. #202409030136600 ZONED "R-M"

N02°56'57"E 140.00'

S02°45'18"W 140.00'

S88°40'30"E 772.57'

OS TRACT A 4.501 AC

LOT 20 0.182 AC | LOT 19 0.158 AC | LOT 18 0.158 AC | LOT 17 0.158 AC | LOT 16 0.158 AC | LOT 15 0.158 AC | LOT 14 0.158 AC | LOT 13 0.158 AC | LOT 12 0.178 AC | LOT 11 0.192 AC

SETBACK (TYP.) EASEMENT (TYP.)

LOT 21 0.192 AC | LOT 10 0.192 AC

MACEY TRAIL

S88°18'16"E 205.00' | S88°18'16"E 264.85'

LOT 22 0.183 AC | LOT 9 0.183 AC

LOT 23 0.158 AC | LOT 8 0.158 AC

LOT 24 0.158 AC EASEMENT (TYP.) | LOT 7 0.158 AC EASEMENT (TYP.)

LOT 25 0.158 AC | LOT 6 0.158 AC

LOT 26 0.158 AC | LOT 5 0.158 AC

LOT 27 0.158 AC | LOT 4 0.158 AC

LOT 28 0.158 AC | LOT 3 0.158 AC

LOT 29 0.158 AC | LOT 2 0.158 AC

LOT 30 0.158 AC | LOT 1 0.210 AC

LOT 31 0.158 AC

LOT 32 0.158 AC

LOT 33 0.158 AC

LOT 97 0.186 AC | LOT 68 0.195 AC | LOT 59 0.195 AC | LOT 58 0.188 AC

LOT 96 0.158 AC | LOT 69 0.158 AC | LOT 60 0.158 AC | LOT 57 0.158 AC

LOT 95 0.158 AC EASEMENT (TYP.) | LOT 70 0.158 AC | LOT 61 0.158 AC EASEMENT (TYP.) | LOT 56 0.158 AC

LOT 94 0.158 AC | LOT 71 0.158 AC | LOT 62 0.158 AC | LOT 55 0.158 AC

LOT 93 0.158 AC | LOT 72 0.158 AC | LOT 63 0.158 AC | LOT 54 0.158 AC

LOT 92 0.158 AC | LOT 73 0.158 AC | LOT 64 0.158 AC | LOT 53 0.158 AC

LOT 91 0.158 AC | LOT 74 0.158 AC | LOT 65 0.158 AC | LOT 52 0.158 AC

LOT 90 0.158 AC | LOT 75 0.158 AC | LOT 66 0.158 AC | LOT 51 0.158 AC

LOT 89 0.158 AC | LOT 76 0.158 AC | LOT 67 0.195 AC | LOT 50 0.193 AC

OS TRACT B 0.733 AC

OS TRACT C 0.348 AC

LOT 88 0.158 AC | LOT 77 0.158 AC | LOT 49 0.195 AC

LOT 87 0.158 AC | LOT 78 0.158 AC | LOT 48 0.158 AC

LEXIE LOOP | DYLAN RIDGE | LEXIE TRAIL

N01°41'44"E 1323.54'

N01°41'44"E 1288.72'

S88°32'52"E 417.42'

℄ SPRINGHILL RD ALONG PROPERTY LINE (60' ROW)

SPRINGHILL CROSSING

N88°18'16"W 331.42' | N88°18'16"W 567.41' | N88°18'16"W 758.64'

S02°34'55"W 698.95'

S02°34'55"W 50.01'

N88°03'15"W 412.69'

N86°35'47"W 294.93'

DEEDED INGRESS, EGRESS, & UTILITY EASEMENT INSTR. #1996135027 INSTR. #2021012590

N

S

E

W

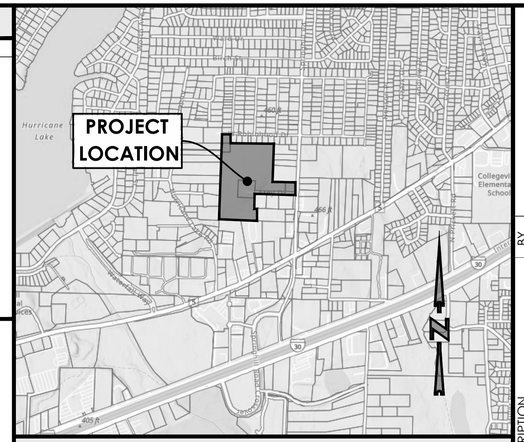
LEGEND

PROPOSED	DESCRIPTION
	BOUNDARY FINAL
	BOUNDARY ADJOINER
	EASEMENT
	BUILDING SETBACK
W	WATER LINE
SS	SANITARY SEWER LINE
	STORM DRAINAGE PIPE
	FD MONUMENT (AS NOTED)
	SET MONUMENT (AS NOTED)
	CALCULATED POINT
	CURB INLET/JUNCTION BOX
M	WATER METER
	WATER VALVE
	FIRE HYDRANT
	SANITARY SEWER MANHOLE

GRAPHIC SCALE 1"=50'

50 0 50 100

BASIS OF BEARING
STATE PLANE COORDINATES
ARKANSAS NORTH ZONE NAD-83



VICINITY MAP

CORNERS			
POINT #	DESCRIPTION	NORTHING	EASTING
1	CALCULATED	103821.12	1156382.09
2	CALCULATED	103842.62	1155740.60
3	CALCULATED	105165.57	1155779.76
4	CALCULATED	105305.38	1155786.96
5	CALCULATED	105301.91	1155937.23
6	CALCULATED	105162.08	1155930.50
7	CALCULATED	105144.21	1156702.86
8	CALCULATED	104445.97	1156671.38
9	CALCULATED	104435.39	1157088.66
10	CALCULATED	104284.87	1157081.88
11	CALCULATED	104302.38	1156787.47
12	CALCULATED	104316.39	1156375.01
13	CALCULATED	104030.57	1156361.89
14	CALCULATED	104029.88	1156386.00

CURVE TABLE				
CURVE #	LENGTH	RADIUS	CHORD DIRECTION	CHORD LENGTH
C1	118.97'	75.00'	S42°51'41"E	106.88'
C2	117.81'	75.00'	N46°41'44"E	106.07'
C3	117.52'	75.00'	N43°11'35"W	105.86'
C4	118.10'	75.00'	S46°48'25"W	106.27'

PRELIMINARY PLAT OF SPRINGHILL CROSSING

BRYANT, SALINE COUNTY, ARKANSAS

8/26/26

ZONED "R-M"

Holloway Engineering, Surveying & Civil Design

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Maumelle, AR 72113
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REV.	DATE	DESCRIPTION	BY

SPRINGHILL CROSSING
BRYANT, SALINE COUNTY, ARKANSAS
PRELIMINARY PLAT (3 OF 3)

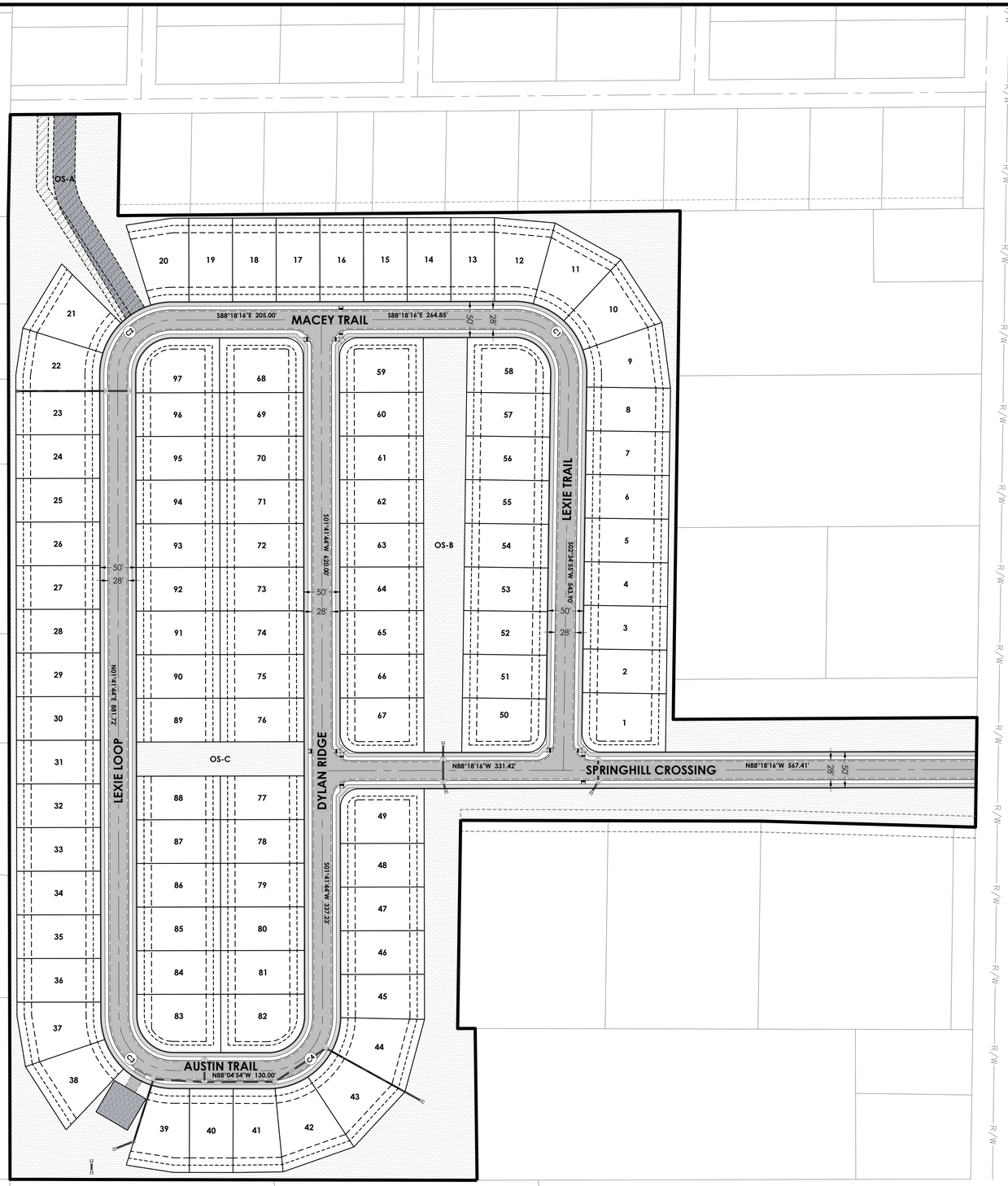
STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18898
JOHN M. HOLLOWAY
8/26/26

CERTIFICATE OF AUTHORIZATION
Holloway Engineering, Surveying & Civil Design, PLLC
#1879
ARKANSAS ENGINEER

JOB NO.: 2026-071
DATE: 8/26/26
SHEET NUMBER:

C0.03

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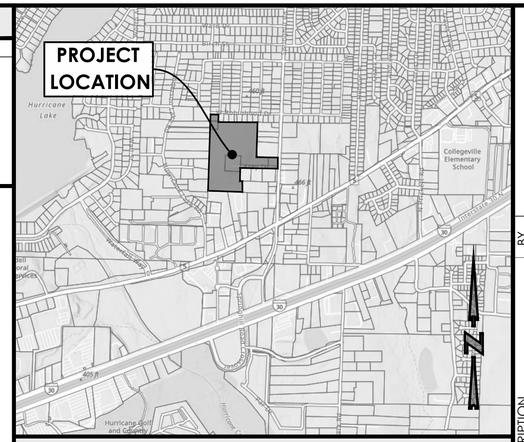
LEGEND

PROPOSED	DESCRIPTION
	BOUNDARY FINAL
R/W	BOUNDARY ADJOINER
	RIGHT-OF-WAY
	EASEMENT
	BUILDING SETBACK
	STORM DRAINAGE PIPE
	CURB INLET/JUNCTION BOX

N
W E
S

GRAPHIC SCALE 1"=80'

80 0 80 160



VICINITY MAP

SPRINGHILL CROSSING

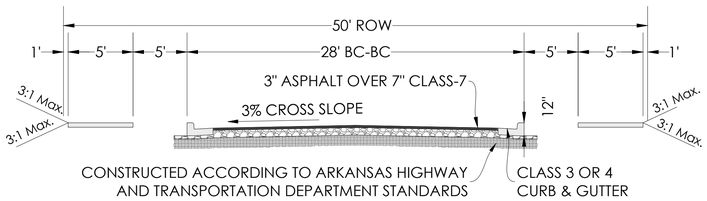
RESIDENTIAL SUBDIVISION

BRYANT, SALINE COUNTY, ARKANSAS

ROADWAY PLANS

August 2026

HOLLOWAY ENGINEERING JOB NO. 2026-071



28' RESIDENTIAL URBAN STREET SECTION

NTS

CURVE TABLE				
CURVE #	LENGTH	RADIUS	CHORD DIRECTION	CHORD LENGTH
C1	118.97'	75.00'	S42°51'41"E	106.88'
C2	117.81'	75.00'	N46°41'44"E	106.07'
C3	117.52'	75.00'	N43°11'35"W	105.86'
C4	118.10'	75.00'	S46°48'25"W	106.27'

SHEET LIST TABLE	
Sheet Number	Sheet Title
C1.00	ROADWAY OVERVIEW
C1.01	SPRINGHILL CROSSING P&P (1 OF 2)
C1.02	SPRINGHILL CROSSING P&P (2 OF 2)
C1.05	AUSTIN TRAIL P&P
C1.04	DYLAN RIDGE P&P (2 OF 2)
C1.03	DYLAN RIDGE P&P (1 OF 2)
C1.06	LEXIE LOOP P&P (1 OF 2)
C1.07	LEXIE LOOP P&P (2 OF 2)
C1.08	MACEY TRAIL P&P
C1.09	LEXIE TRAIL P&P (1 OF 2)
C1.10	LEXIE TRAIL P&P (2 OF 2)
C1.50	ROADWAY DETAILS

ROADWAY NOTES:

1. LOCATIONS OF THE EXISTING UTILITIES ARE BASED ON RECORDS FROM SAID UTILITY COMPANIES AND ARE HORIZONTALLY FIELD LOCATED ONLY. THE CONTRACTORS SHALL BE RESPONSIBLE FOR DETERMINING ACTUAL LOCATION.
2. CONTRACTOR TO MARK UTILITY LINES BEFORE CONSTRUCTION AND UNCOVER AS NEEDED.
3. EXISTING UTILITIES TO REMAIN SHALL BE PROTECTED. CONTRACTOR SHALL BEAR ALL RESPONSIBILITY AND COST OF REPAIR OR REPLACEMENT OF EXISTING UTILITIES, DAMAGED OR INTERRUPTED AS A RESULT OF THIS CONSTRUCTION PROJECT.
4. CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND THE OWNER OF ANY DAMAGED OR INTERRUPTED UTILITIES IMMEDIATELY.
5. CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL EXISTING SITE CONDITIONS DISTURBED BY CONSTRUCTION ACTIVITIES BACK TO EXISTING OR BETTER CONDITION.
6. ALL SEWER LINES AND APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH THE AHJ STANDARD SPECIFICATIONS FOR SEWER CONSTRUCTION, LATEST EDITION.
7. ALL WATER LINES AND APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH AHJ STANDARD PIPELINE MATERIALS AND CONSTRUCTION SPECIFICATIONS, LATEST EDITION.
8. EXISTING UTILITIES TO REMAIN ARE TO BE PROTECT AND ADJUSTED TO MATCH PROPOSED GRADE.
9. CONTRACTOR SHALL NOTIFY PROJECT ENGINEER PRIOR TO BEGINNING WORK.
10. AFTER NEW INLETS ARE CONSTRUCTED, GRAVEL FILTER BERMS OR SILT FENCE ARE TO BE PLACED TO ALLOW FLOW THROUGH THE EROSION CONTROL DEVICE.
11. CONTRACTOR WILL CONTROL AND PREVENT OFF-SITE TRACKING OF CONSTRUCTION RUNOFF AND SEDIMENT TO ADJACENT PROPERTY AND PUBLIC ROADS.
12. CONTRACTOR IS TO PROTECT EXISTING STORM DRAINAGE SYSTEM ACCORDING TO PROTECTION ILLUSTRATIONS PROVIDED.
13. CONTRACTOR TO CONFORM TO ALL CONSTRUCTION STORM WATER AND EROSION CONTROL PERMITTING REQUIREMENTS BY "EPA PHASE II STORM WATER REGULATIONS" AS ADMINISTERED BY THE DIVISION OF ENVIRONMENTAL QUALITY. WHERE PERMITTING IS REQUIRED, A COPY OF THE NOTICE OF INTENT SHALL BE PROVIDED TO THE LOCAL MUNICIPAL AUTHORITY.
14. CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES IN ACCORDANCE WITH THE ARKANSAS UNDERGROUND FACILITIES DAMAGE PREVENTION ACT. THIS LAW REQUIRES THAT THE CONTRACTOR MAKE A TELEPHONE CALL TO THE ARKANSAS ONE-CALL SYSTEM AT 1-800-482-8998 AT LEAST THREE WORKING DAYS PRIOR TO EXCAVATION TO ENSURE THAT ANY EXISTING UTILITIES CAN BE LOCATED.
15. CONTRACTOR TO CONSTRUCT ALL ACCESS RAMPS AND PAVING TO AHJ AND/OR ADA STANDARDS.
16. TREES TO REMAIN ARE TO BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
17. CONTRACTOR SHALL NOTIFY ENGINEER AND REVIEW ALL REVISIONS TO THE PLANS PRIOR TO EXECUTING A CHANGE.

Holloway Engineering, Surveying & Civil Design

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www.holloway-eng.com

REV.	DATE	DESCRIPTION	BY

SPRINGHILL CROSSING
BRYANT, SALINE COUNTY, ARKANSAS
ROADWAY OVERVIEW

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18898
JOHN C. HOLLOWAY
8/26/26

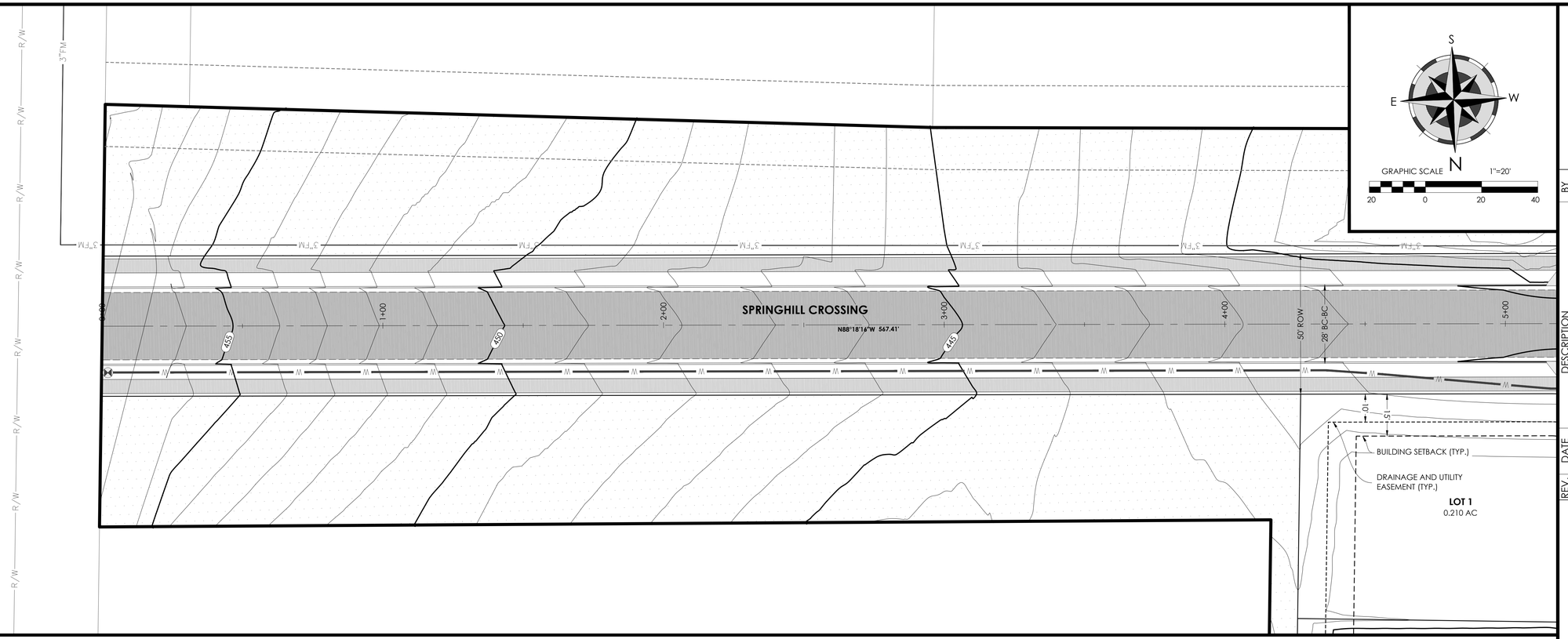
CERTIFICATE OF AUTHORIZATION
Holloway Engineering, Surveying & Civil Design, PLLC
#1879
EXPIRES: 12/31/2026

JOB NO.: 2026-071
DATE: 8/26/26
SHEET NUMBER:

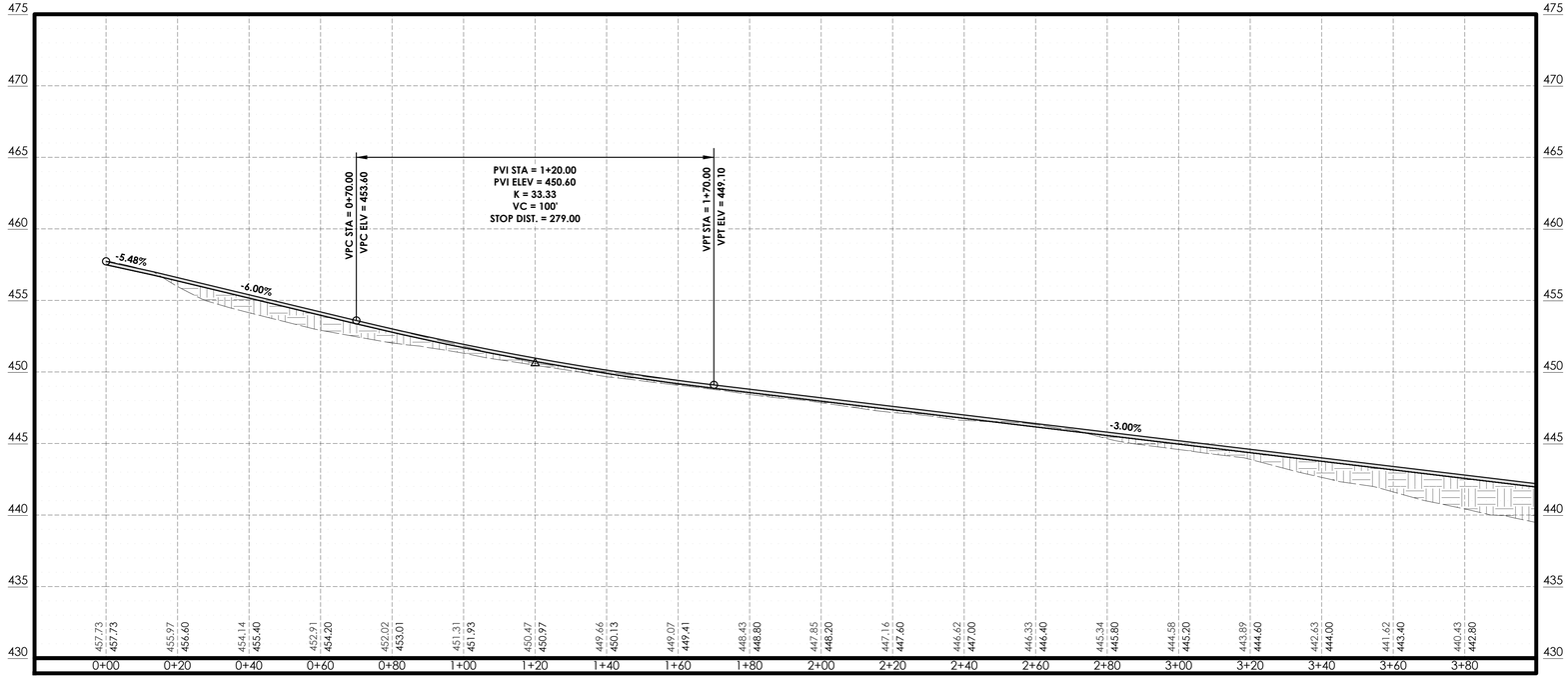
C1.00

L:\2026\2026-071 - Daryl Bryant 26 Ac project\Drawings\Sheets\C1.00 ROADWAY OVERVIEW.dwg

PLAN VIEW - SCALE 1"=20'



PROFILE VIEW - SCALE 1"=20'



PROPOSED
EXISTING

SPRINGHILL CROSSING
HOR. SCALE: 1"=20'
VERT. SCALE: 1"=5'

Holloway Engineering, Surveying & Civil Design

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Maumelle, AR 72113
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REV.	DATE	DESCRIPTION	BY

SPRINGHILL CROSSING
BRYANT, SALINE COUNTY, ARKANSAS

SPRINGHILL CROSSING P&P (1 OF 2)

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18698
ERIC HOLLOWAY
8/26/26

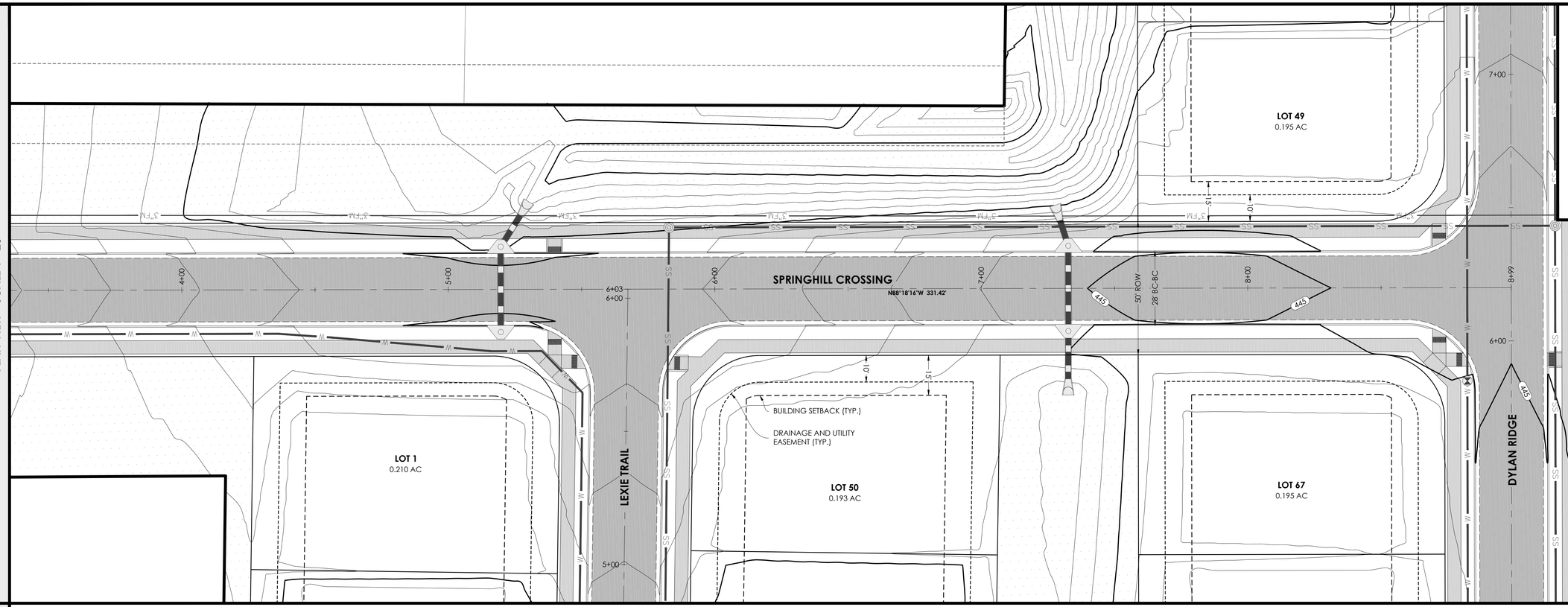
CERTIFICATE OF AUTHORIZATION
Holloway Engineering, Surveying & Civil Design, PLLC
#1879
ARKANSAS - ENGINEERING

JOB NO.: 2026-071
DATE: 8/26/26
SHEET NUMBER:

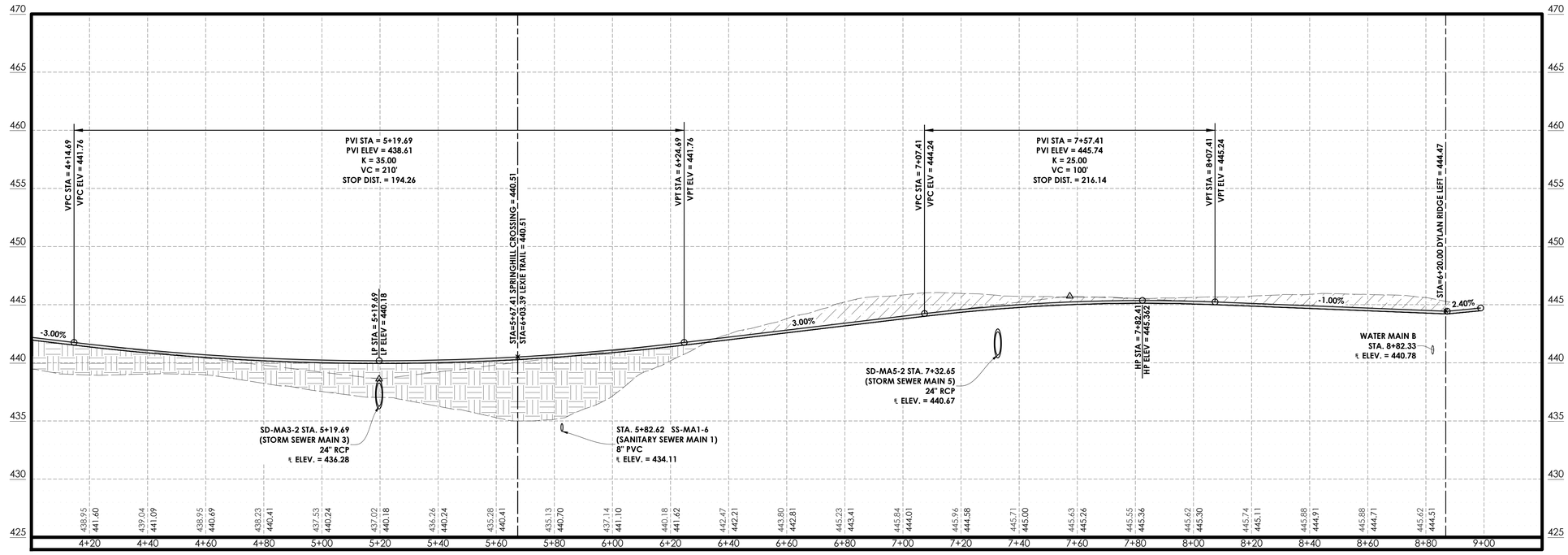
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PLAN VIEW - SCALE 1"=20'



PROFILE VIEW - SCALE 1"=20'



PROPOSED
EXISTING

SPRINGHILL CROSSING
HOR. SCALE: 1"=20'
VERT. SCALE: 1"=5'

Holloway Engineering, Surveying & Civil Design

200 Casey Drive
Maumelle, AR 72113
(501) 851-3366
www.holloway-eng.com

REV.	DATE	DESCRIPTION	BY

SPRINGHILL CROSSING
BRYANT, SALINE COUNTY, ARKANSAS

SPRINGHILL CROSSING P&P (2 OF 2)

STATE OF ARKANSAS
ERIC HOLLOWAY
LICENSED PROFESSIONAL ENGINEER
No. 18698
8/26/26

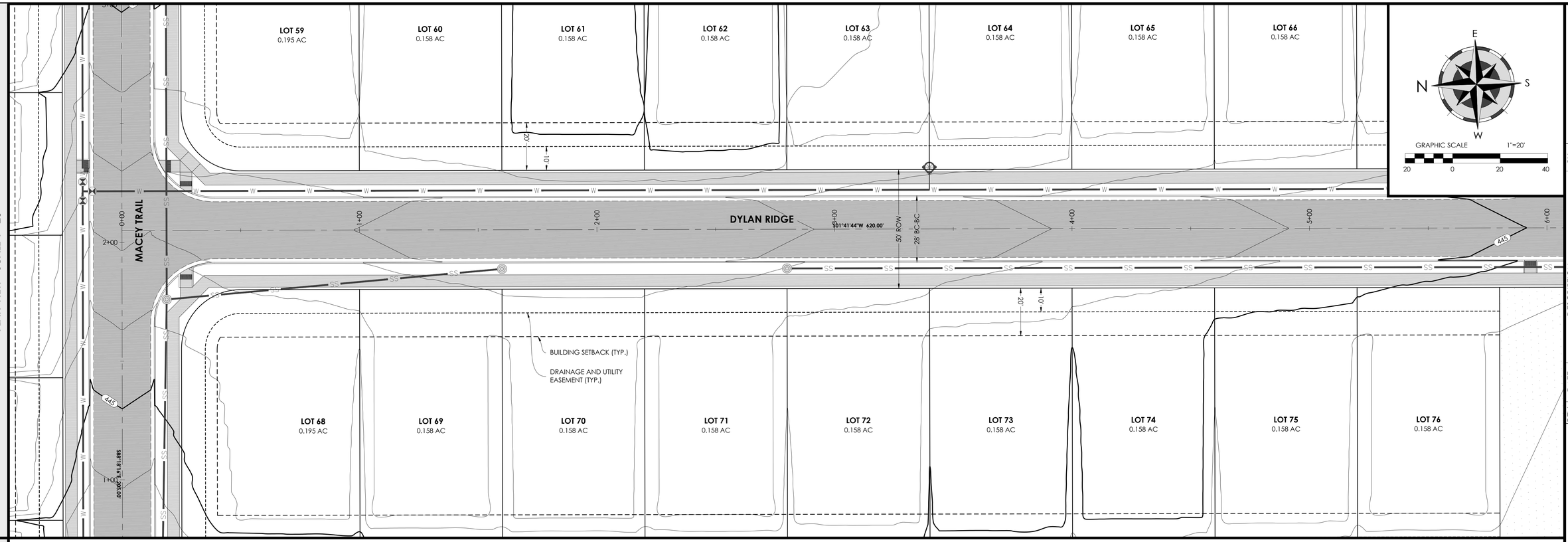
CERTIFICATE OF AUTHORIZATION
Holloway Engineering, Surveying & Civil Design, PLLC
#1879
ARKANSAS - ENGINEERING

JOB NO.: 2026-071
DATE: 8/26/26
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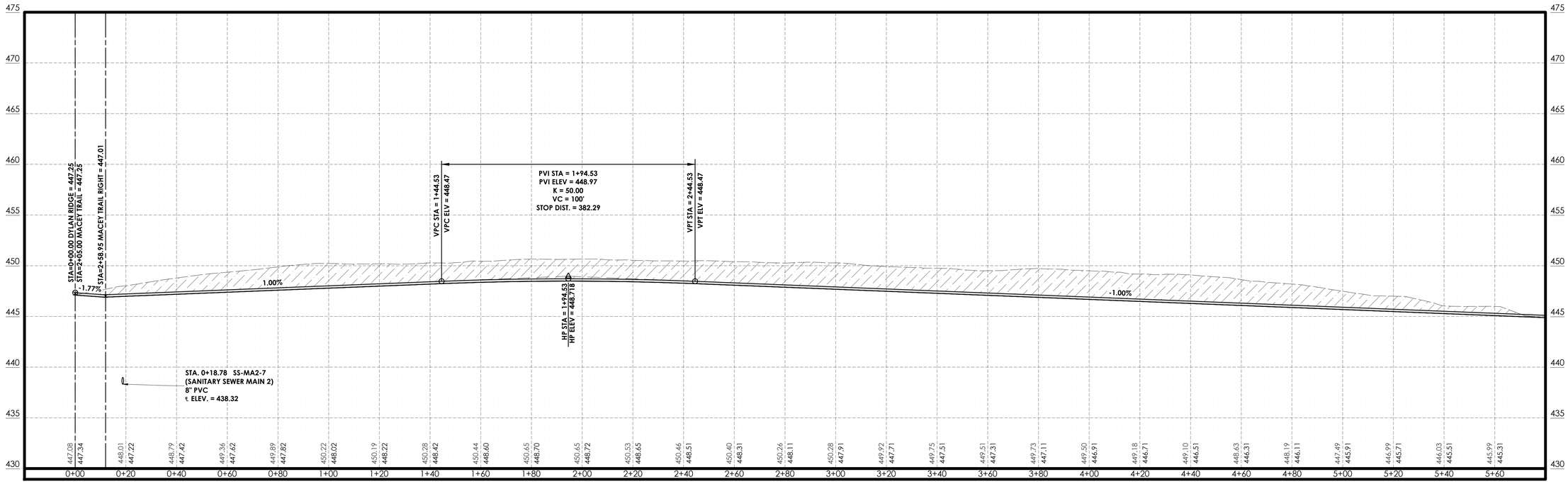
C1.02

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PLAN VIEW - SCALE 1"=20'



PROFILE VIEW - SCALE 1"=20'



PROPOSED
EXISTING

DYLAN RIDGE
HOR. SCALE: 1"=20'
VERT. SCALE: 1"=5'

Holloway Engineering, Surveying & Civil Design

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Maumelle, AR 72113
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REV.	DATE	DESCRIPTION	BY

SPRINGHILL CROSSING
BRYANT, SALINE COUNTY, ARKANSAS

DYLAN RIDGE P&P (1 OF 2)

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18898
JUSTIN HOLLOWAY
8/26/26

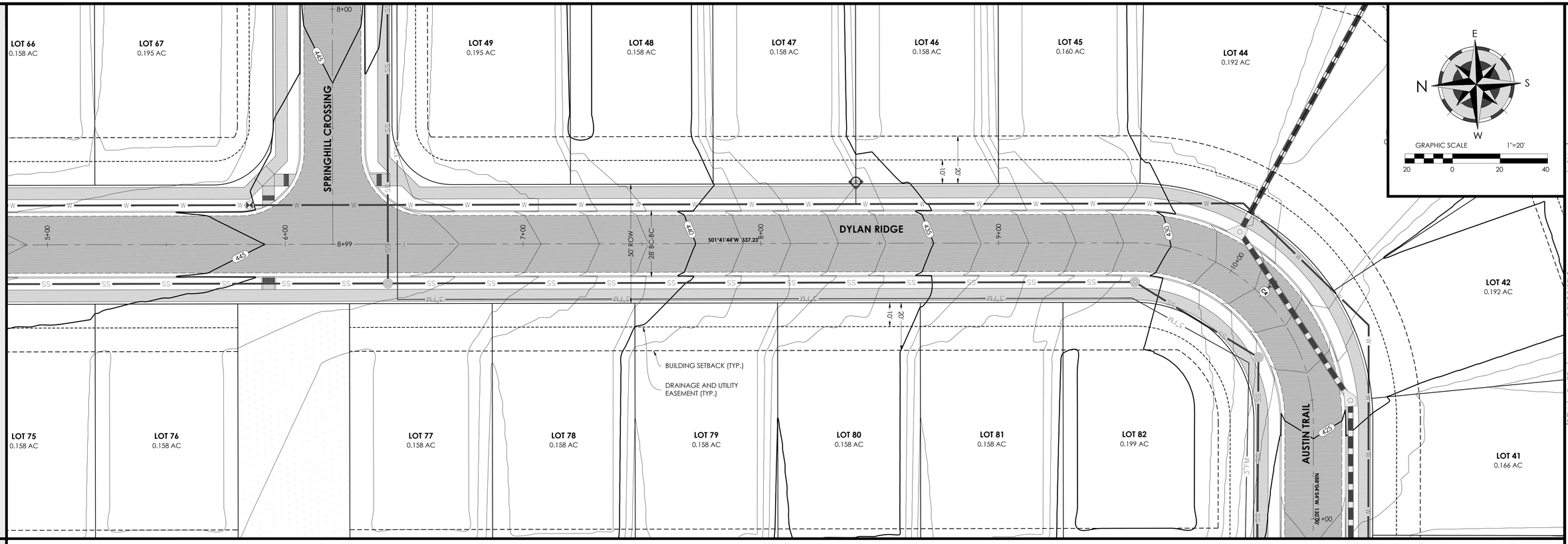
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#1879

JOB NO.: 2026-071
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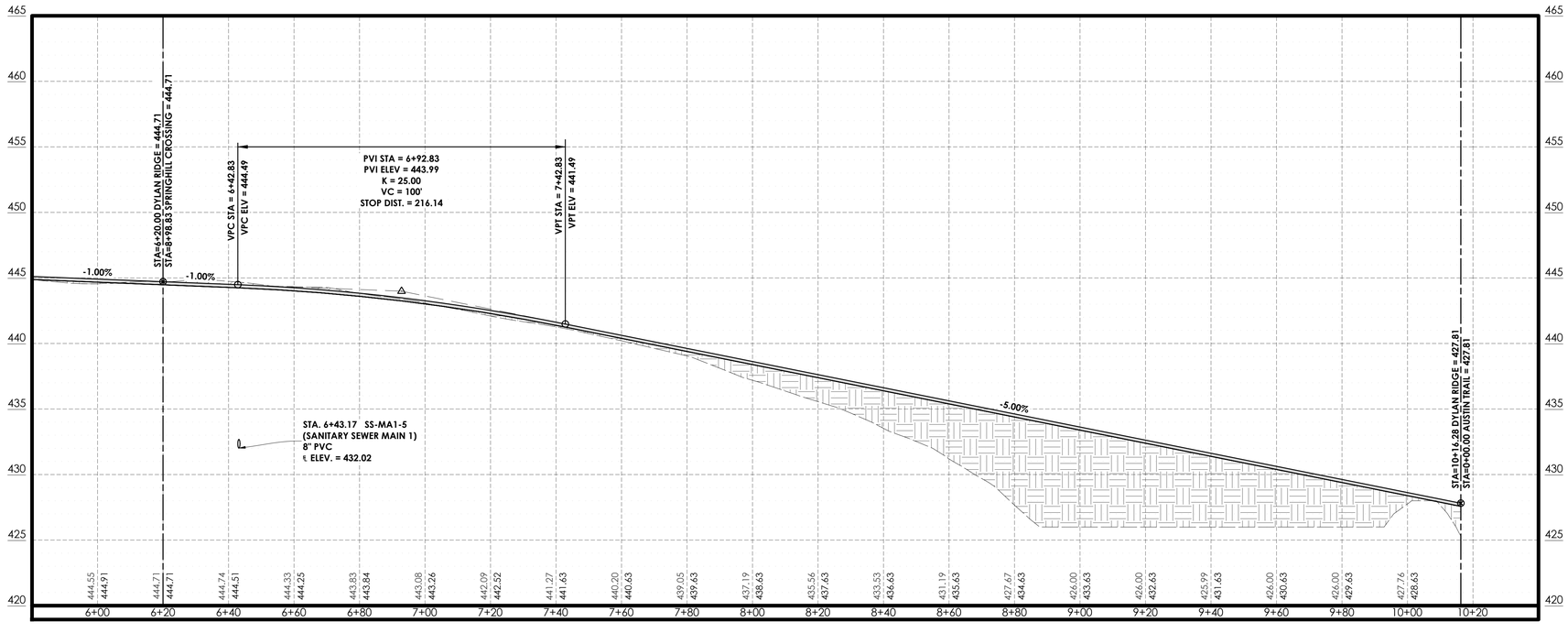
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PLAN VIEW - SCALE 1"=20'



PROFILE VIEW - SCALE 1"=20'



PROPOSED
EXISTING

DYLAN RIDGE
HOR. SCALE: 1"=20'
VERT. SCALE: 1"=5'

Holloway Engineering,
Surveying & Civil Design

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www.holloway-eng.com

REV.	DATE	DESCRIPTION	BY

SPRINGHILL CROSSING
BRYANT, SALINE COUNTY, ARKANSAS

DYLAN RIDGE P&P (2 OF 2)

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18898
ERIC HOLLOWAY
8/26/26

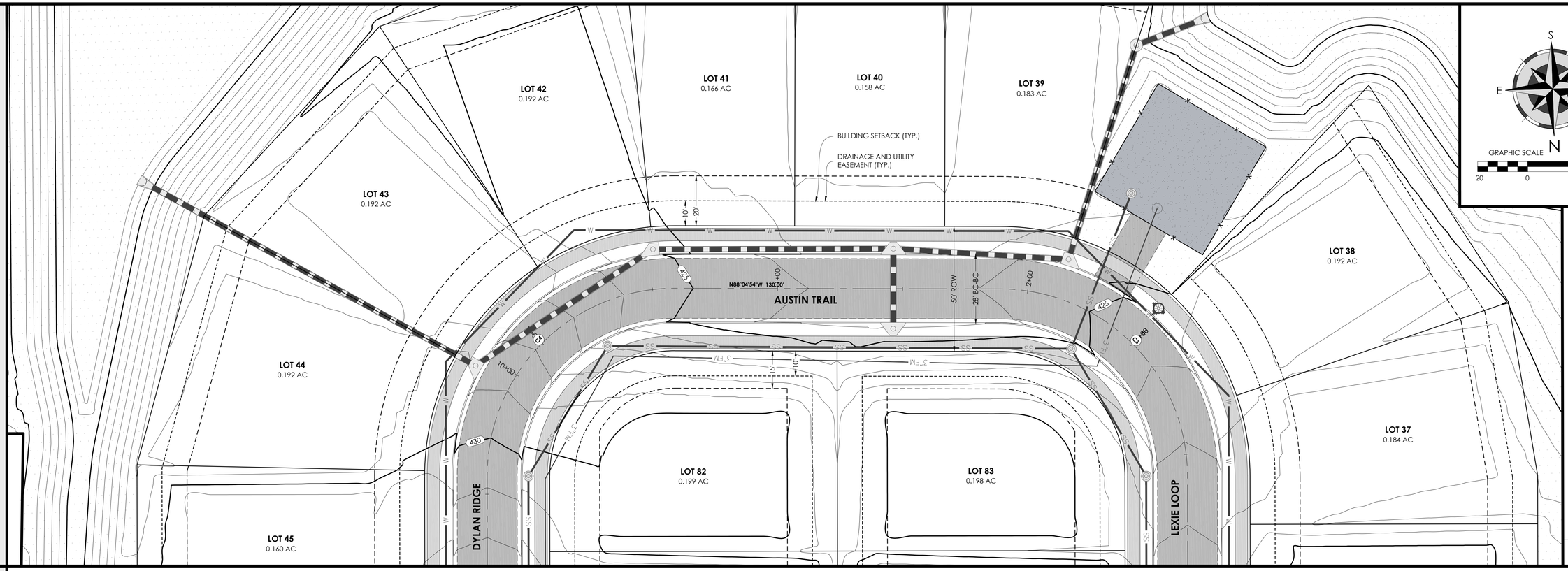
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#1879
ARKANSAS ENGINEER

JOB NO.: 2026-071
DATE: 8/26/26
SHEET NUMBER:

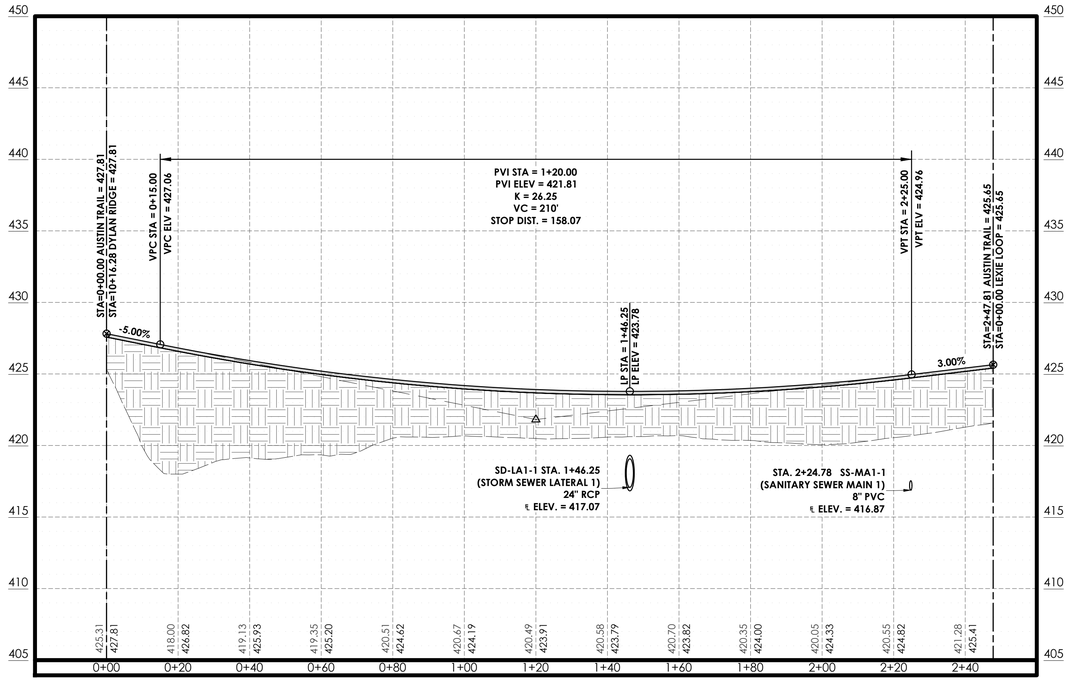
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PLAN VIEW - SCALE 1"=20'



PROFILE VIEW - SCALE 1"=20'



PROPOSED
EXISTING

AUSTIN TRAIL
HOR. SCALE: 1"=20'
VERT. SCALE: 1"=5'

Holloway Engineering, Surveying & Civil Design

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REV.	DATE	DESCRIPTION	BY

SPRINGHILL CROSSING
BRYANT, SALINE COUNTY, ARKANSAS

AUSTIN TRAIL P&P

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18698
ERIC HOLLOWAY
8/26/26

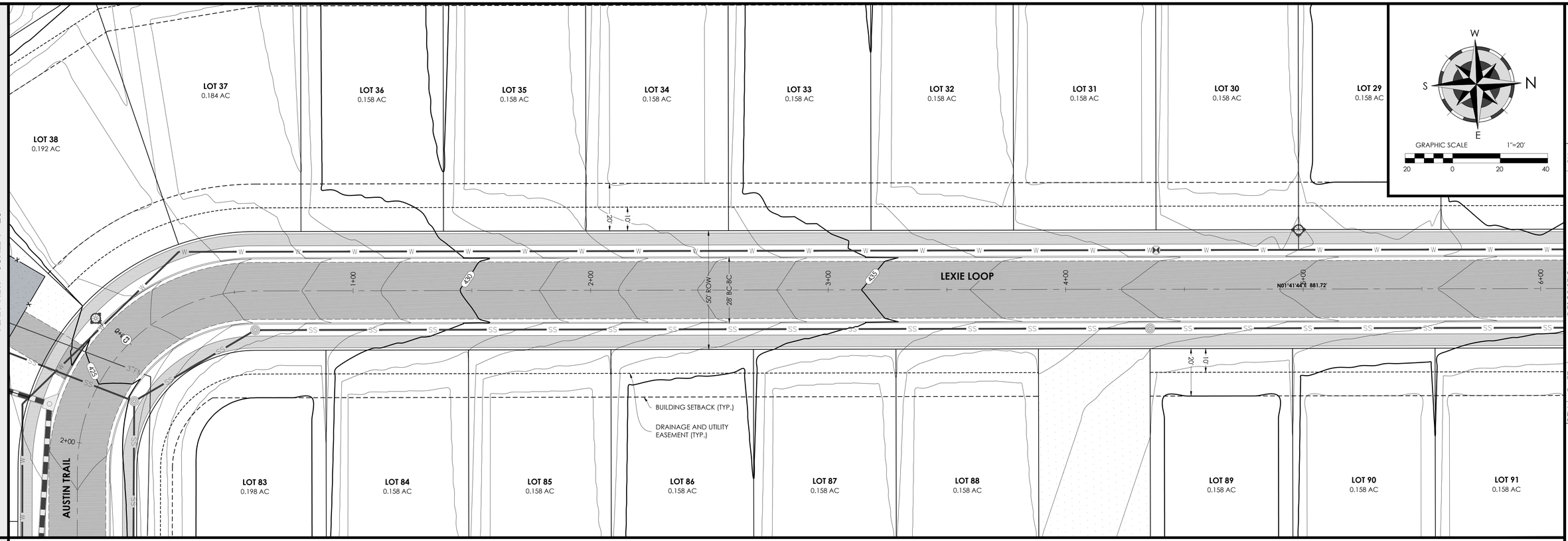
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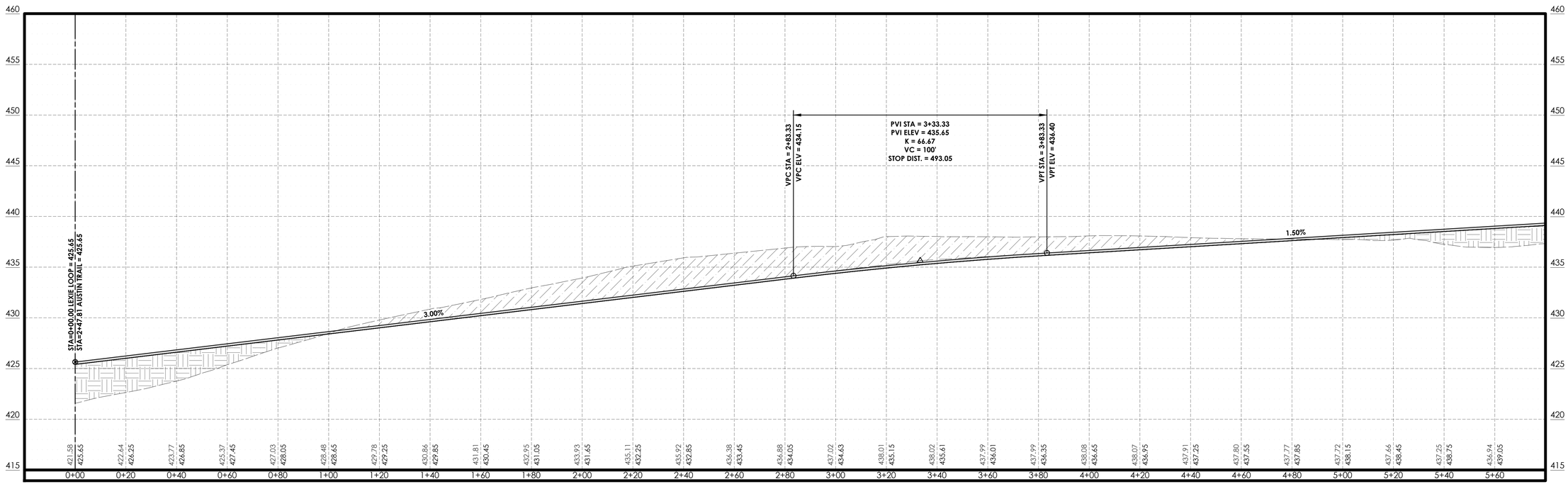
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PLAN VIEW - SCALE 1"=20'



PROFILE VIEW - SCALE 1"=20'



PROPOSED
EXISTING

LEXIE LOOP
HOR. SCALE: 1"=20'
VERT. SCALE: 1"=5'

Holloway Engineering,
Surveying & Civil Design

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REV.	DATE	DESCRIPTION	BY

SPRINGHILL CROSSING
BRYANT, SALINE COUNTY, ARKANSAS

LEXIE LOOP P&P (1 OF 2)

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18898
ERIC HOLLOWAY
8/26/26

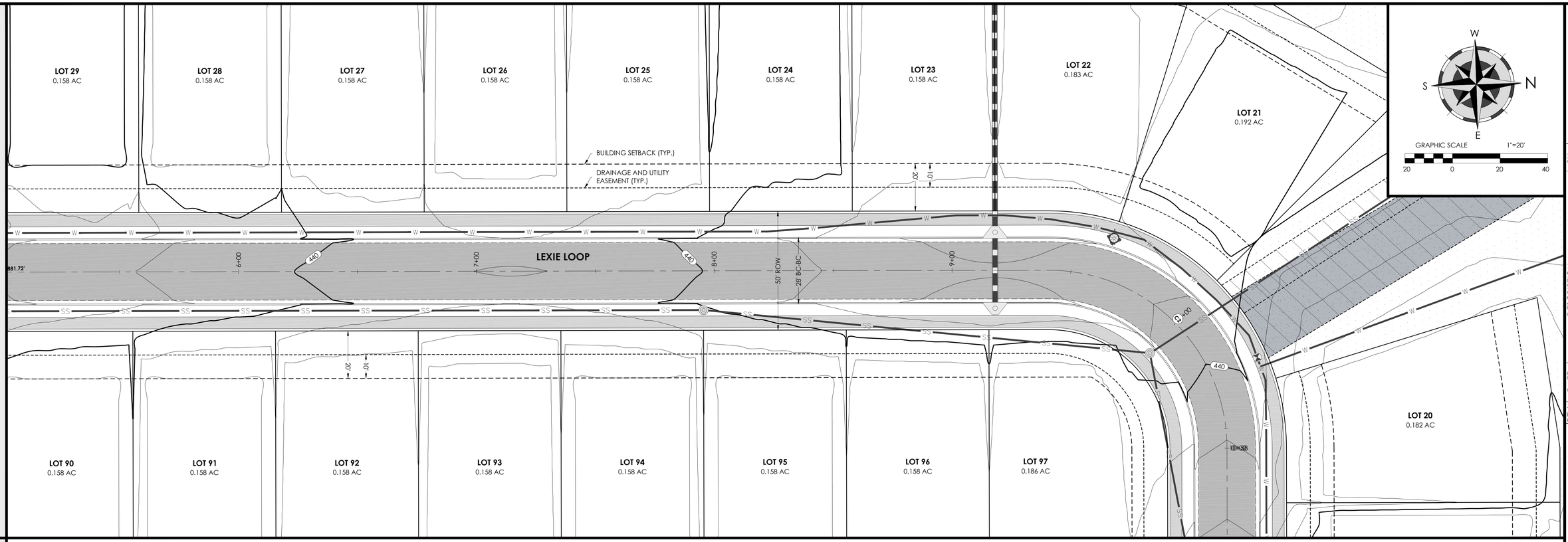
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ARKANSAS - ENGINEERING

JOB NO.: 2026-071
DATE: 8/26/26
SHEET NUMBER:

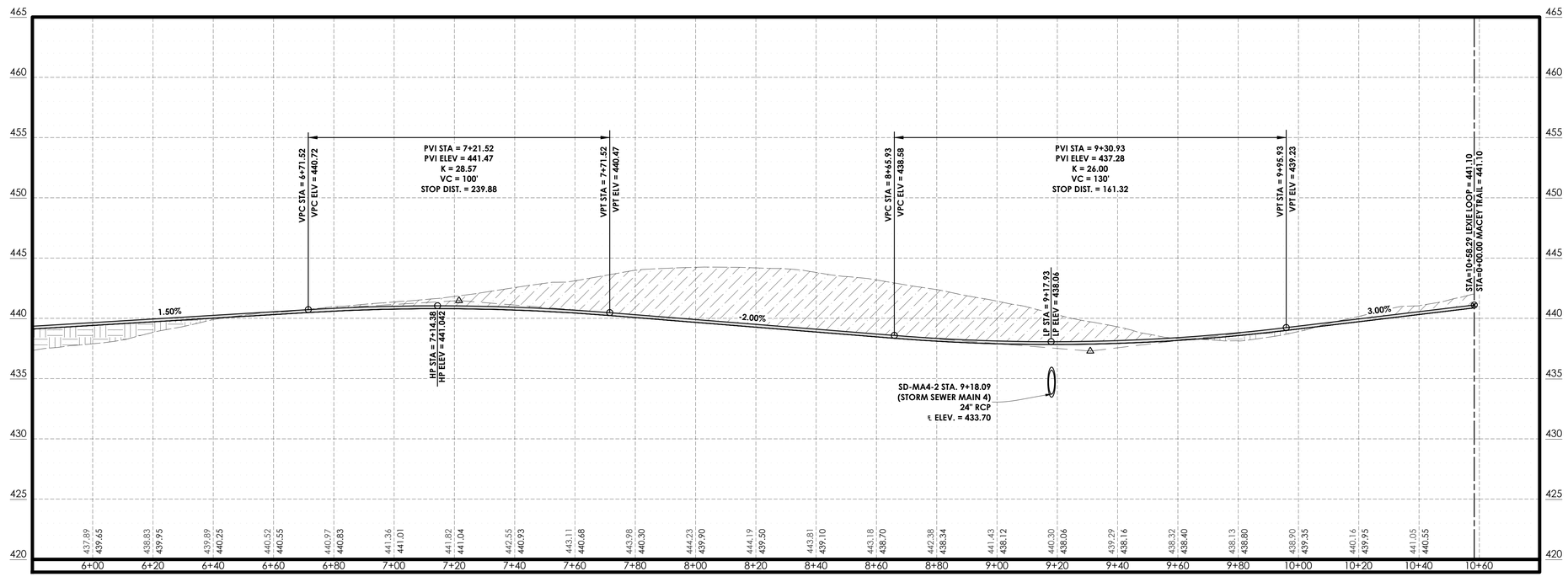
C1.06

L:\2026\2026-071 - Daryl Bryant 26 Ac project\Drawings\Sheets\C1.00 ROADWAY OVERVIEW.dwg

PLAN VIEW - SCALE 1"=20'



PROFILE VIEW - SCALE 1"=20'



PROPOSED
EXISTING

LEXIE LOOP
HOR. SCALE: 1"=20'
VERT. SCALE: 1"=5'

Holloway Engineering, Surveying & Civil Design

200 Casey Drive
Maumelle, AR 72113
(501) 851-3366
www.holloway-eng.com

REV.	DATE	DESCRIPTION	BY

SPRINGHILL CROSSING
BRYANT, SALINE COUNTY, ARKANSAS

LEXIE LOOP P&P (2 OF 2)

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18898
ERIC HOLLOWAY
8/26/26

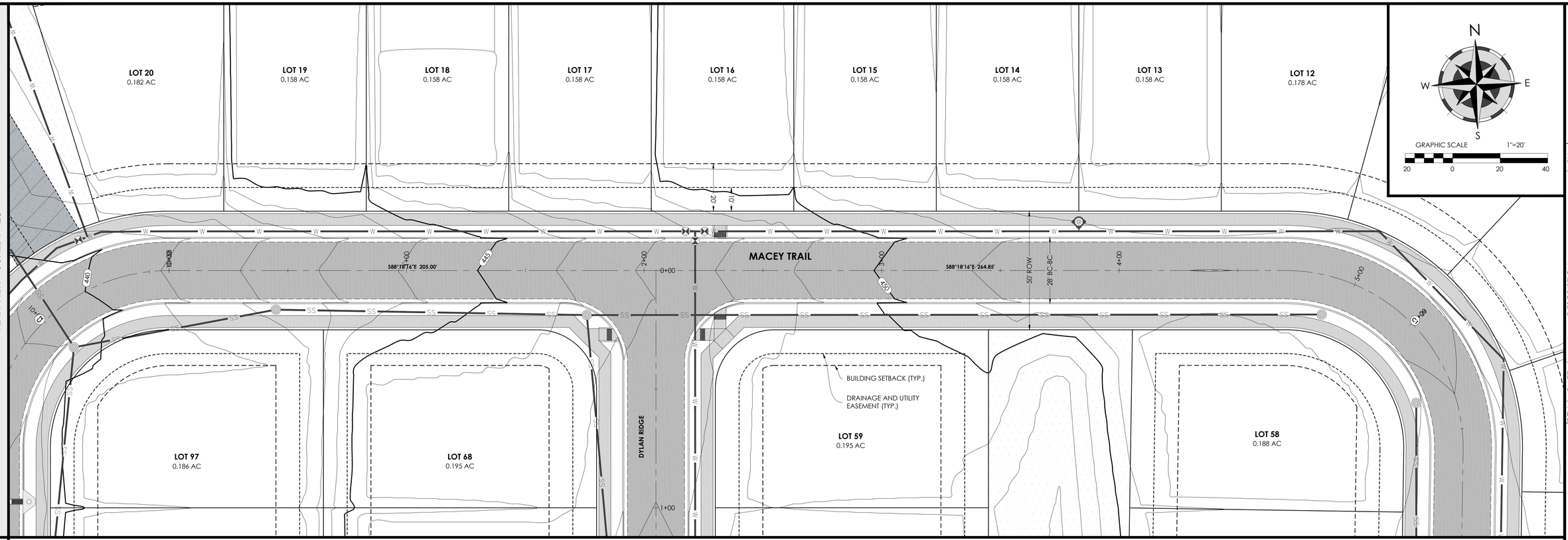
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Holloway Engineering, Surveying & Civil Design, PLLC
#1879

JOB NO.: 2026-071
DATE: 8/26/26
SHEET NUMBER:

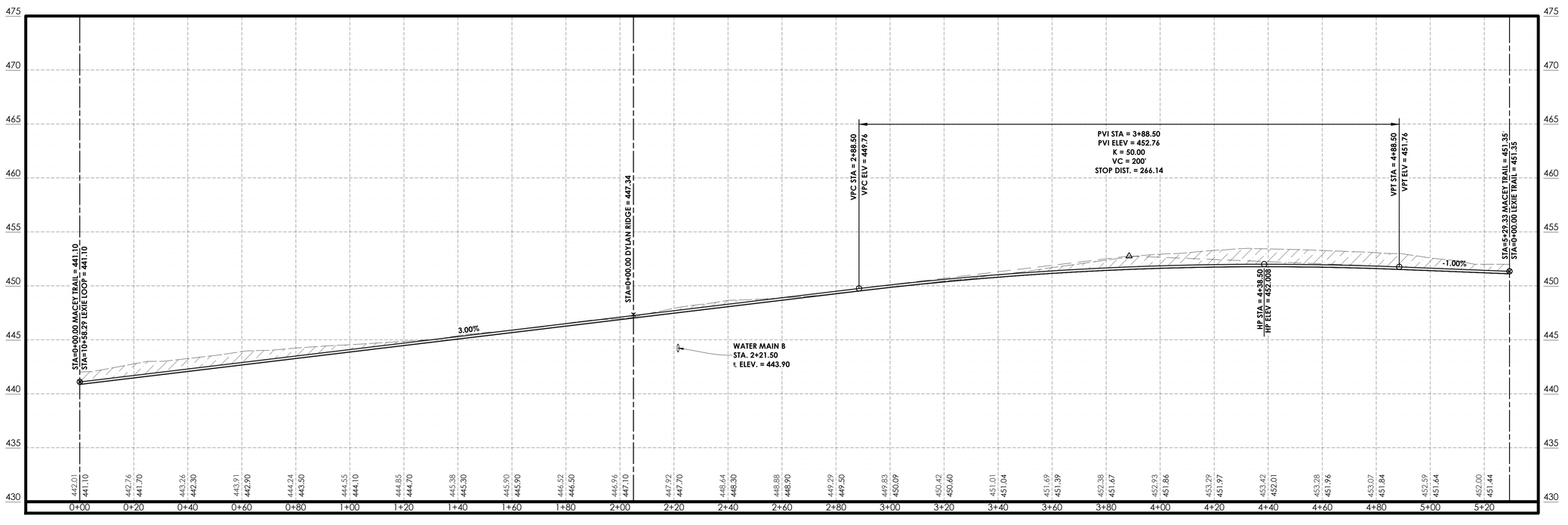
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PLAN VIEW - SCALE 1"=20'



PROFILE VIEW - SCALE 1"=20'



PROPOSED
EXISTING

MACEY TRAIL
HOR. SCALE: 1"=20'
VERT. SCALE: 1"=5'

Holloway Engineering, Surveying & Civil Design

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Maumelle, AR 72113
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REV.	DATE	DESCRIPTION	BY

SPRINGHILL CROSSING
BRYANT, SALINE COUNTY, ARKANSAS

MACEY TRAIL P&P

STATE OF ARKANSAS
ERIC HOLLOWAY
LICENSED PROFESSIONAL ENGINEER
No. 18698
8/26/26

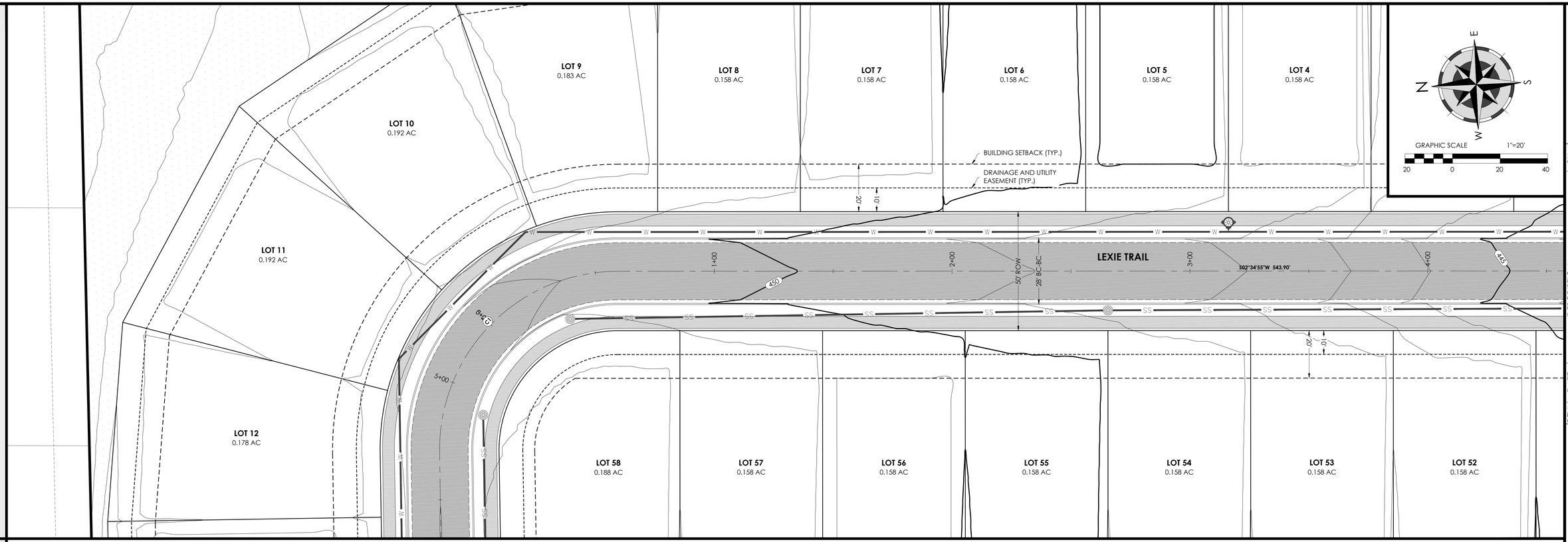
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Holloway Engineering, Surveying & Civil Design, PLLC
#1879
ARKANSAS - ENGINEERING

JOB NO.: 2026-071
DATE: 8/26/26
SHEET NUMBER:

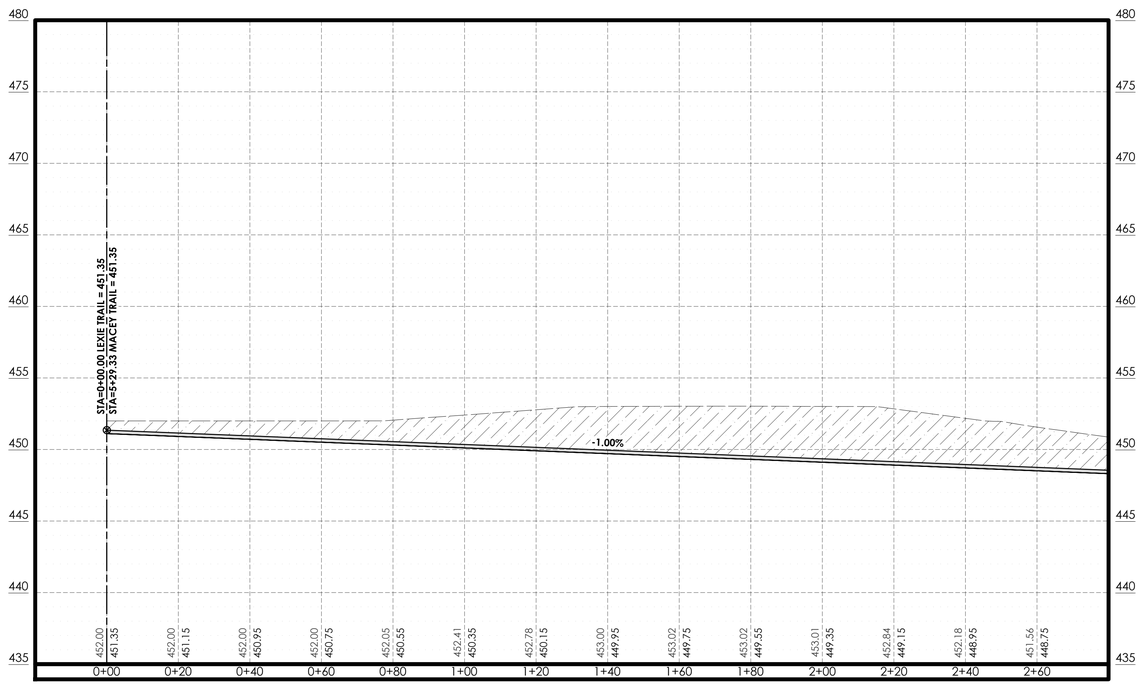
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PLAN VIEW - SCALE 1"=20'



PROFILE VIEW - SCALE 1"=20'



PROPOSED
EXISTING

LEXIE TRAIL
HOR. SCALE: 1"=20'
VERT. SCALE: 1"=5'

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REV.	DATE	DESCRIPTION	BY

SPRINGHILL CROSSING
BRYANT, SALINE COUNTY, ARKANSAS

LEXIE TRAIL P&P (1 OF 2)

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18898
ERIC HOLLOWAY
8/26/26

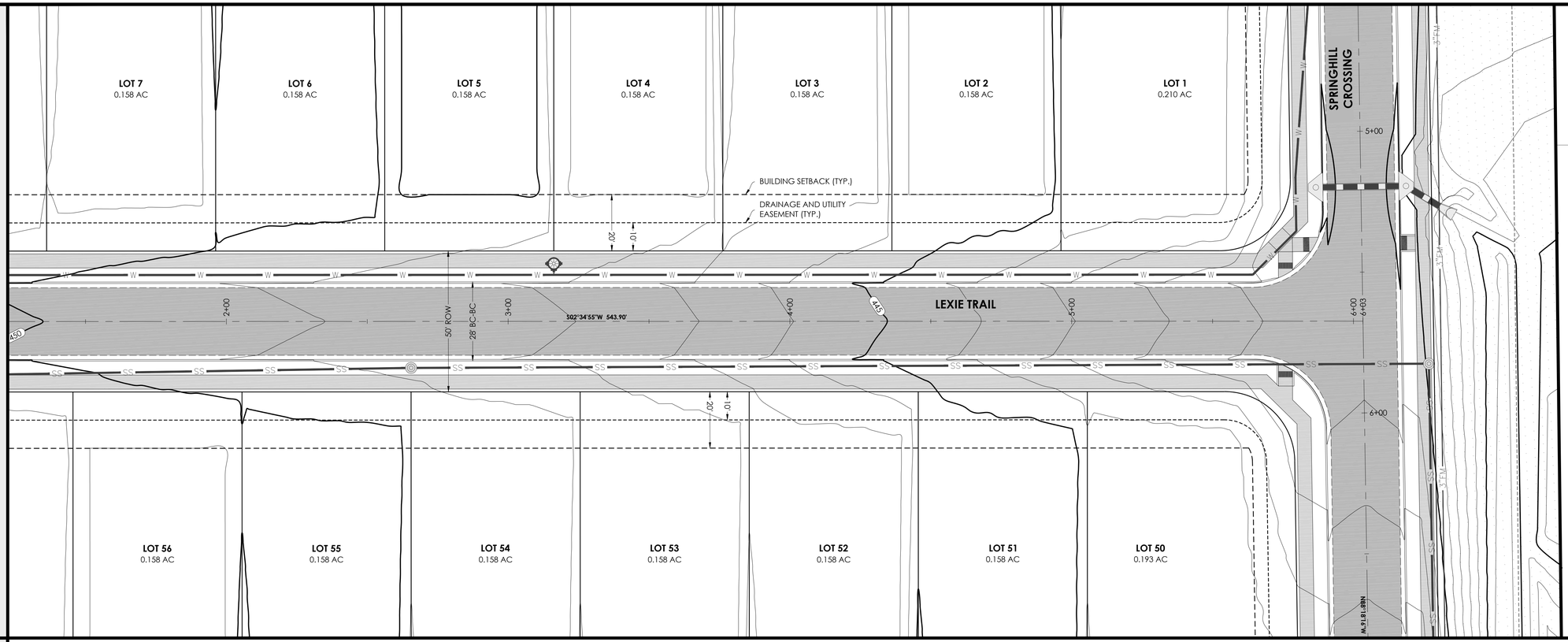
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STATE OF ARKANSAS - EXPIRATION DATE
Holloway Engineering, Surveying & Civil Design, PLLC
#1879

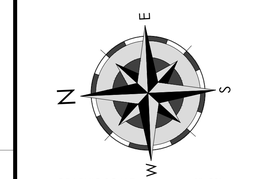
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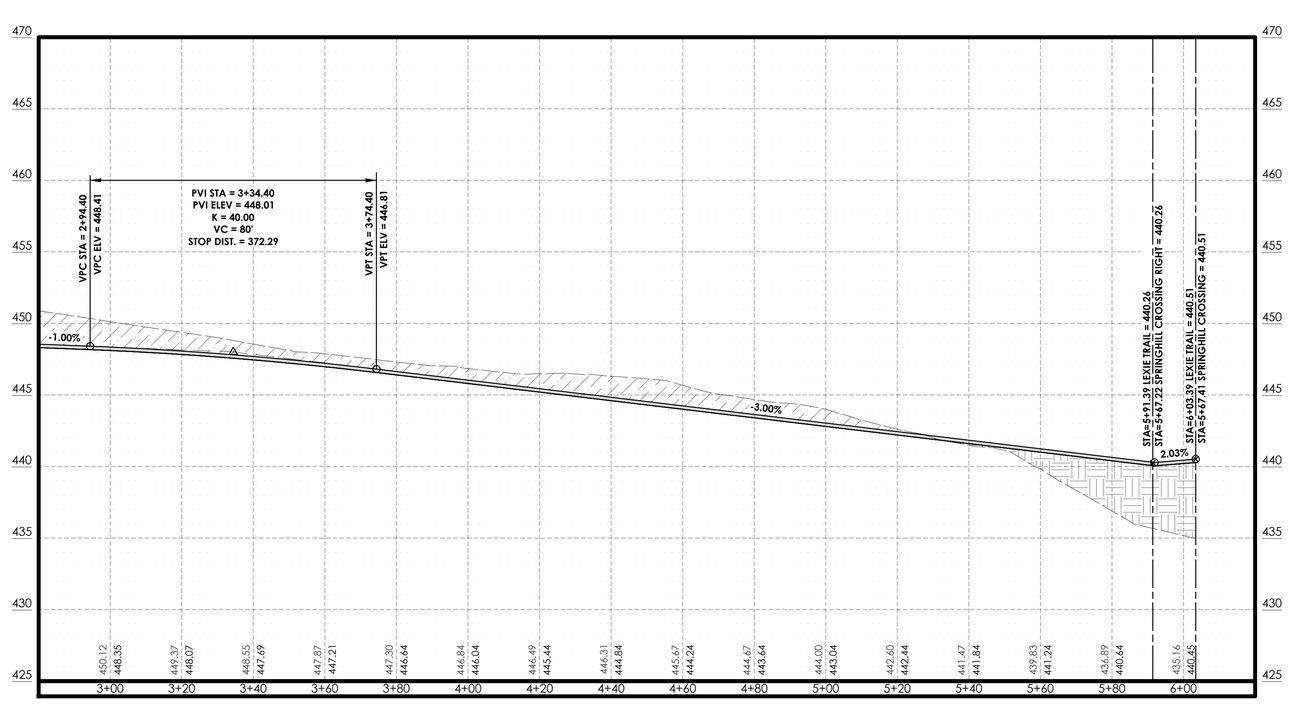
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PLAN VIEW - SCALE 1"=20'





PROFILE VIEW - SCALE 1"=20'



PROPOSED
EXISTING

LEXIE TRAIL
HOR. SCALE: 1"=20'
VERT. SCALE: 1"=5'

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REV.	DATE	DESCRIPTION	BY

SPRINGHILL CROSSING
BRYANT, SALINE COUNTY, ARKANSAS

LEXIE TRAIL P&P (2 OF 2)

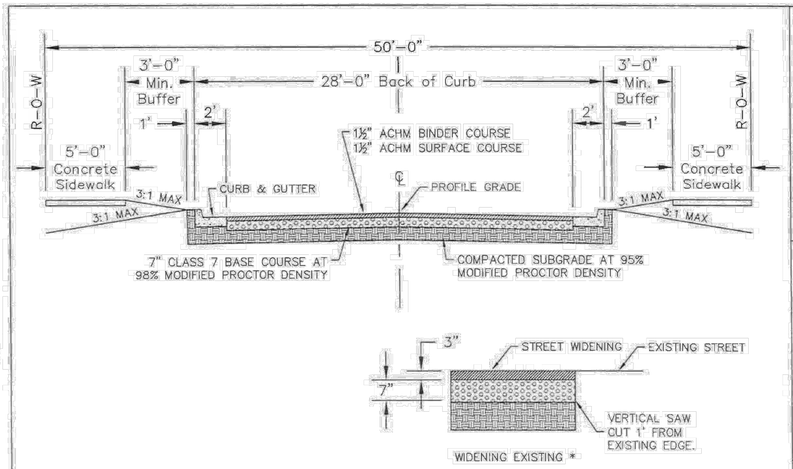
STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18898
ERIC HOLLOWAY
8/26/26

CERTIFICATE OF AUTHORIZATION
Holloway Engineering, Surveying & Civil Design, PLLC
#1879
ARKANSAS - ENGINEERING

JOB NO.: 2026-071
DATE: 8/26/26
SHEET NUMBER:

C1.10

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GENERAL NOTES

1. IN AREAS TO RECEIVE BITUMINOUS PAVING, CONCRETE DRIVEWAYS OR CURB AND GUTTER, SUBGRADE SHALL BE COMPACTED TO A DENSITY NOT LESS THAN 95% OF MAXIMUM MODIFIED DENSITY OBTAINED AT OPTIMUM MOISTURE CONTENT.
2. FOR AREAS OF SUBGRADE PREPARATION TO RECEIVE CONCRETE SIDEWALKS, SUBGRADE SHALL BE COMPACTED TO DENSITY OF 90% MAXIMUM MODIFIED DENSITY.
3. CRUSHED STONE – MATERIAL IN EACH COURSE SHALL BE COMPACTED TO A DENSITY OF 98% MAXIMUM MODIFIED DENSITY.
4. CONCRETE SIDEWALK SHALL BE A MINIMUM OF 4' WIDE IN RESIDENTIAL SUBDIVISIONS

* NOTES: PAVEMENT RECONSTRUCTION TO CENTERLINE IS REQUIRED WHEN EXISTING STREET DOES NOT MEET THESE STANDARDS.

CITY OF BRYANT

TYPICAL SECTION LOCAL 1 / RESIDENTIAL STREET

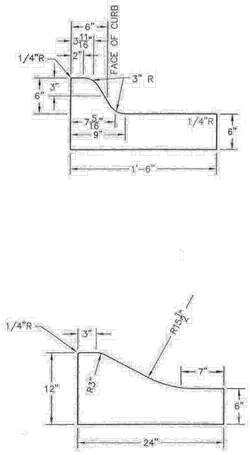
Issue Date APRIL 2013 | Revision Date

DETAIL 1

A1

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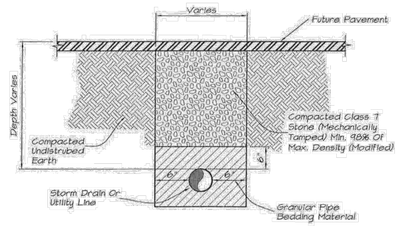
CITY OF BRYANT | CURB & GUTTER SECTIONS | Issue Date APRIL 2013 | Revision Date | DETAIL 7



A7

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CITY OF BRYANT | TYPICAL SECTION DRAINAGE AND UTILITY CUT BACKFILL ON STREET UNDER CONSTRUCTION | Issue Date APRIL 2013 | Revision Date | DETAIL 8



Note: This Backfill Procedure Shall Be Utilized For All Trenches Excavated In Area To Be Paved.

A8

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REV.	DATE	DESCRIPTION	BY

SPRINGHILL CROSSING

BRYANT, SALINE COUNTY, ARKANSAS

ROADWAY DETAILS

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18898
ERIC HOLLOWAY

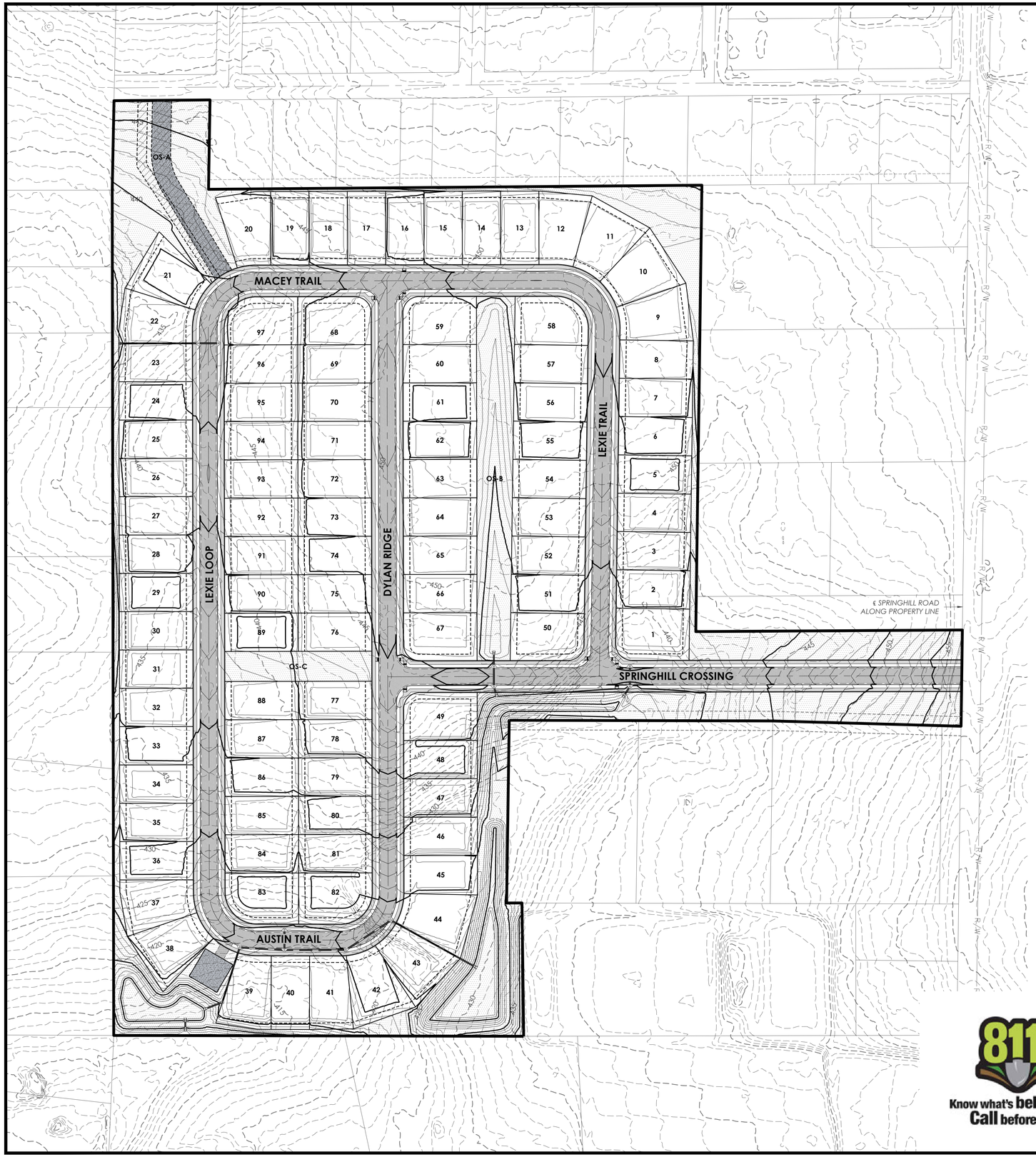
8/26/26

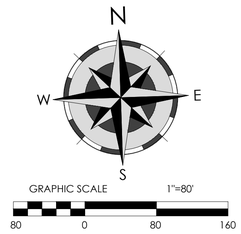
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#1879

JOB NO.: 2026-071
DATE: 8/26/26
SHEET NUMBER:

C1.50

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LEGEND

PROPOSED	DESCRIPTION
	BOUNDARY FINAL
	BOUNDARY ADJOINER
R/W	RIGHT-OF-WAY
	EASEMENT
	BUILDING SETBACK
	STORM DRAINAGE PIPE
	CURB INLET/JUNCTION BOX

Holloway Engineering, Surveying & Civil Design

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Maumelle, AR 72113
(501) 851-3366
www.holloway-eng.com

REV.	DATE	DESCRIPTION	BY

SPRINGHILL CROSSING
BRYANT, SALINE COUNTY, ARKANSAS

GRADING & DRAINAGE OVERALL

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18898
ERIC HOLLOWAY
8/26/26

CERTIFICATE OF AUTHORIZATION
Holloway Engineering, Surveying & Civil Design, PLLC
#1879
EXPIRES - DECEMBER 31, 2026

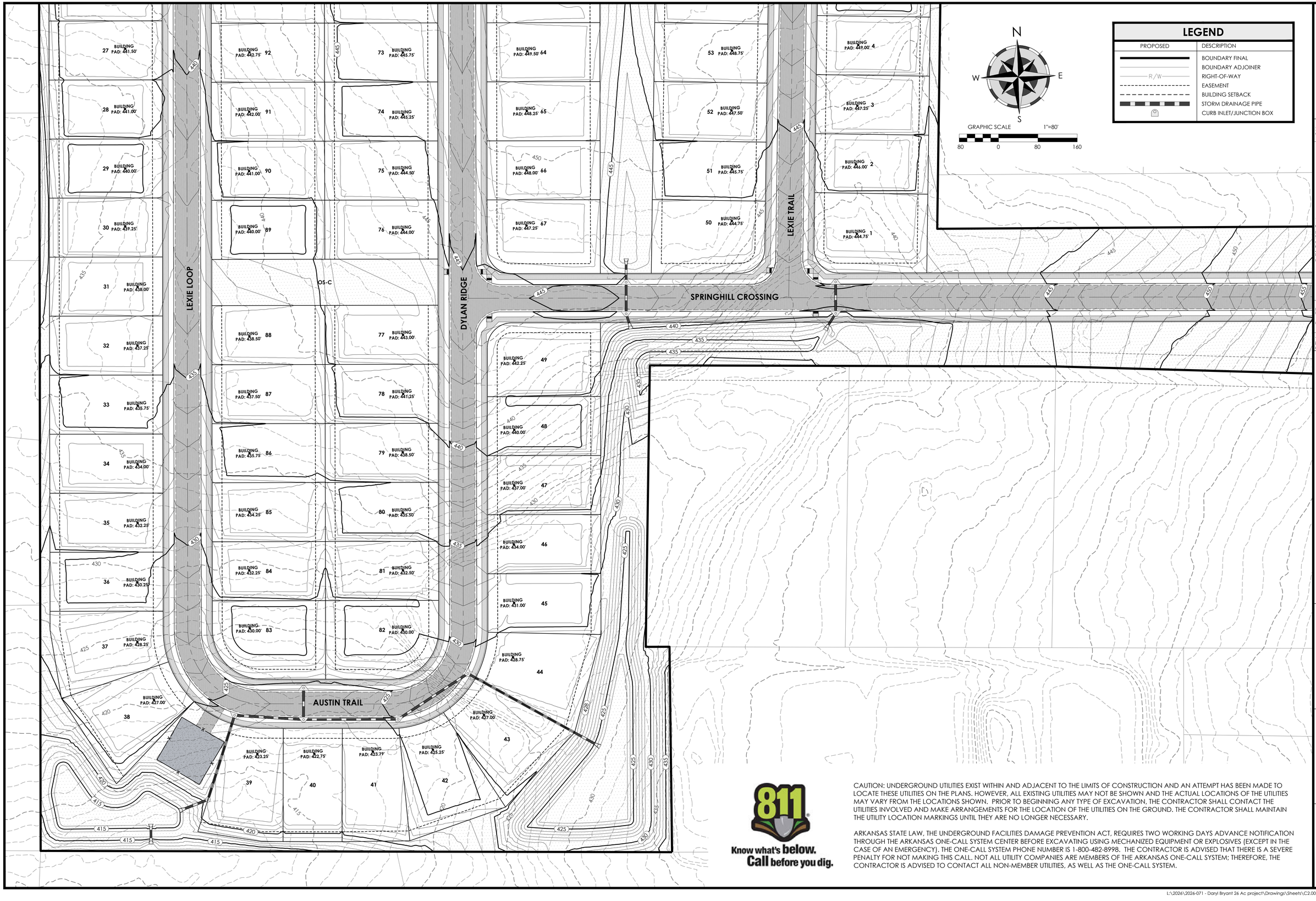
JOB NO.: 2026-071
DATE: 8/26/26
SHEET NUMBER:

C2.00

Know what's below. Call before you dig.

CAUTION: UNDERGROUND UTILITIES EXIST WITHIN AND ADJACENT TO THE LIMITS OF CONSTRUCTION AND AN ATTEMPT HAS BEEN MADE TO LOCATE THESE UTILITIES ON THE PLANS. HOWEVER, ALL EXISTING UTILITIES MAY NOT BE SHOWN AND THE ACTUAL LOCATIONS OF THE UTILITIES MAY VARY FROM THE LOCATIONS SHOWN. PRIOR TO BEGINNING ANY TYPE OF EXCAVATION, THE CONTRACTOR SHALL CONTACT THE UTILITIES INVOLVED AND MAKE ARRANGEMENTS FOR THE LOCATION OF THE UTILITIES ON THE GROUND. THE CONTRACTOR SHALL MAINTAIN THE UTILITY LOCATION MARKINGS UNTIL THEY ARE NO LONGER NECESSARY.

ARKANSAS STATE LAW, THE UNDERGROUND FACILITIES DAMAGE PREVENTION ACT, REQUIRES TWO WORKING DAYS ADVANCE NOTIFICATION THROUGH THE ARKANSAS ONE-CALL SYSTEM CENTER BEFORE EXCAVATING USING MECHANIZED EQUIPMENT OR EXPLOSIVES (EXCEPT IN THE CASE OF AN EMERGENCY). THE ONE-CALL SYSTEM PHONE NUMBER IS 1-800-482-8998. THE CONTRACTOR IS ADVISED THAT THERE IS A SEVERE PENALTY FOR NOT MAKING THIS CALL. NOT ALL UTILITY COMPANIES ARE MEMBERS OF THE ARKANSAS ONE-CALL SYSTEM; THEREFORE, THE CONTRACTOR IS ADVISED TO CONTACT ALL NON-MEMBER UTILITIES, AS WELL AS THE ONE-CALL SYSTEM.



LEGEND

PROPOSED	DESCRIPTION
	BOUNDARY FINAL
	BOUNDARY ADJOINER
R/W	RIGHT-OF-WAY
	EASEMENT
	BUILDING SETBACK
	STORM DRAINAGE PIPE
	CURB INLET/JUNCTION BOX

Holloway Engineering, Surveying & Civil Design

200 Casey Drive
Maumelle, AR 72113
(501) 851-3366
www.holloway-eng.com

REV.	DATE	DESCRIPTION	BY

SPRINGHILL CROSSING
BRYANT, SALINE COUNTY, ARKANSAS

GRADING & DRAINAGE PLAN (2 OF 3)

STATE OF ARKANSAS
DULY LICENSED PROFESSIONAL ENGINEER
No. 18898
ERIC HOLLOWAY
8/26/26

CERTIFICATE OF AUTHORIZATION
Holloway Engineering, Surveying & Civil Design, PLLC
#1879
ARKANSAS - ENGINEERING

Know what's below. Call before you dig.

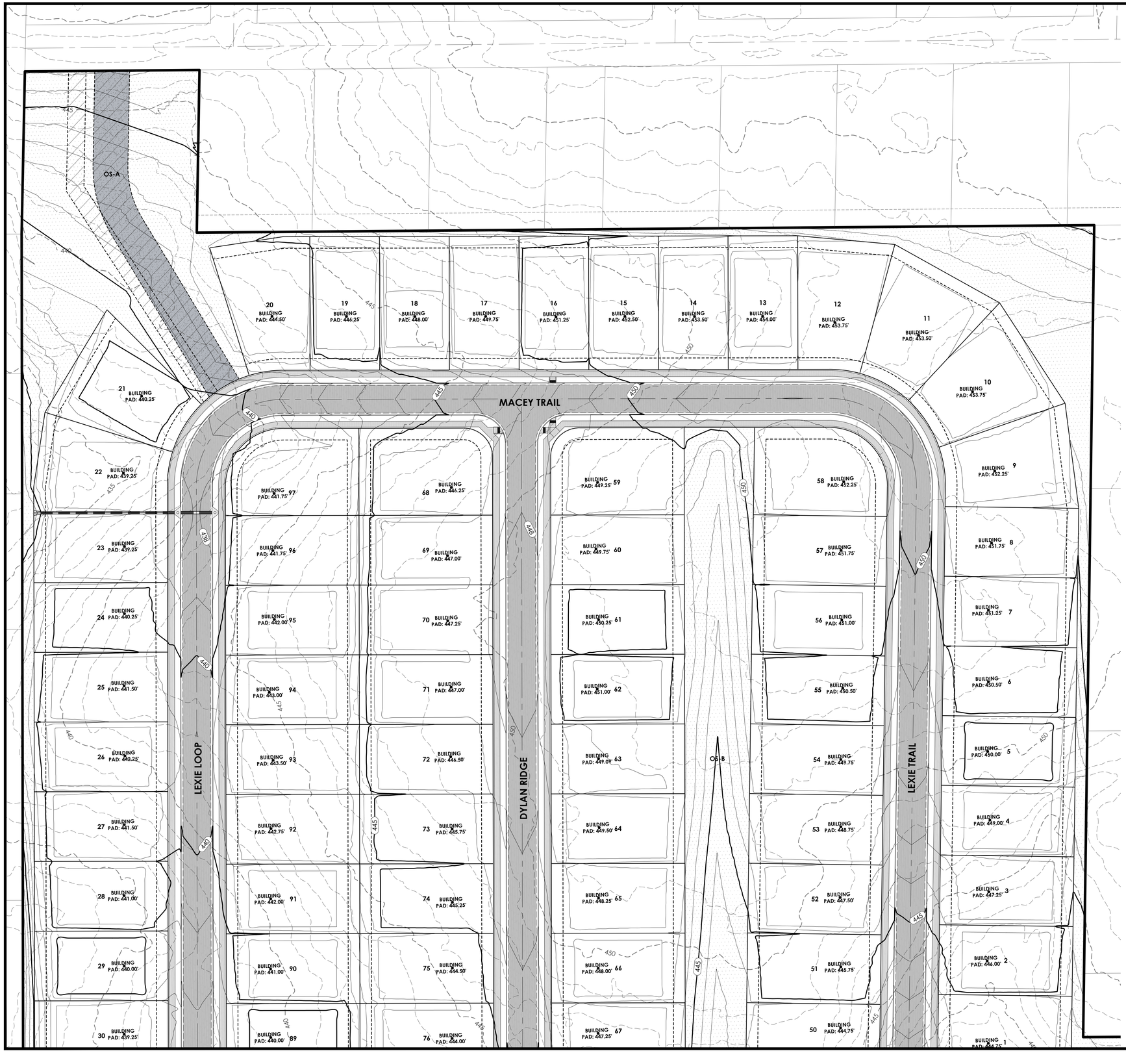
CAUTION: UNDERGROUND UTILITIES EXIST WITHIN AND ADJACENT TO THE LIMITS OF CONSTRUCTION AND AN ATTEMPT HAS BEEN MADE TO LOCATE THESE UTILITIES ON THE PLANS. HOWEVER, ALL EXISTING UTILITIES MAY NOT BE SHOWN AND THE ACTUAL LOCATIONS OF THE UTILITIES MAY VARY FROM THE LOCATIONS SHOWN. PRIOR TO BEGINNING ANY TYPE OF EXCAVATION, THE CONTRACTOR SHALL CONTACT THE UTILITIES INVOLVED AND MAKE ARRANGEMENTS FOR THE LOCATION OF THE UTILITIES ON THE GROUND. THE CONTRACTOR SHALL MAINTAIN THE UTILITY LOCATION MARKINGS UNTIL THEY ARE NO LONGER NECESSARY.

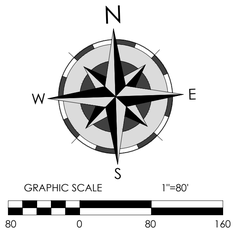
ARKANSAS STATE LAW, THE UNDERGROUND FACILITIES DAMAGE PREVENTION ACT, REQUIRES TWO WORKING DAYS ADVANCE NOTIFICATION THROUGH THE ARKANSAS ONE-CALL SYSTEM CENTER BEFORE EXCAVATING USING MECHANIZED EQUIPMENT OR EXPLOSIVES (EXCEPT IN THE CASE OF AN EMERGENCY). THE ONE-CALL SYSTEM PHONE NUMBER IS 1-800-482-8998. THE CONTRACTOR IS ADVISED THAT THERE IS A SEVERE PENALTY FOR NOT MAKING THIS CALL. NOT ALL UTILITY COMPANIES ARE MEMBERS OF THE ARKANSAS ONE-CALL SYSTEM; THEREFORE, THE CONTRACTOR IS ADVISED TO CONTACT ALL NON-MEMBER UTILITIES, AS WELL AS THE ONE-CALL SYSTEM.

JOB NO.: 2026-071
DATE: 8/26/26
SHEET NUMBER:

C2.01

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LEGEND

PROPOSED	DESCRIPTION
	BOUNDARY FINAL
	BOUNDARY ADJOINER
R/W	RIGHT-OF-WAY
	EASEMENT
	BUILDING SETBACK
	STORM DRAINAGE PIPE
	CURB INLET/JUNCTION BOX

Holloway Engineering, Surveying & Civil Design

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Maumelle, AR 72113
(501) 851-3366
www.holloway-eng.com

REV.	DATE	DESCRIPTION	BY

SPRINGHILL CROSSING
BRYANT, SALINE COUNTY, ARKANSAS

GRADING & DRAINAGE PLAN (3 OF 3)

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18898
DANIEL HOLLOWAY
8/26/26

CERTIFICATE OF AUTHORIZATION
Holloway Engineering, Surveying & Civil Design, PLLC
#1879
ARKANSAS ENGINEER

JOB NO.: 2026-071
DATE: 8/26/26
SHEET NUMBER:

C2.02

SPRINGHILL CROSSING

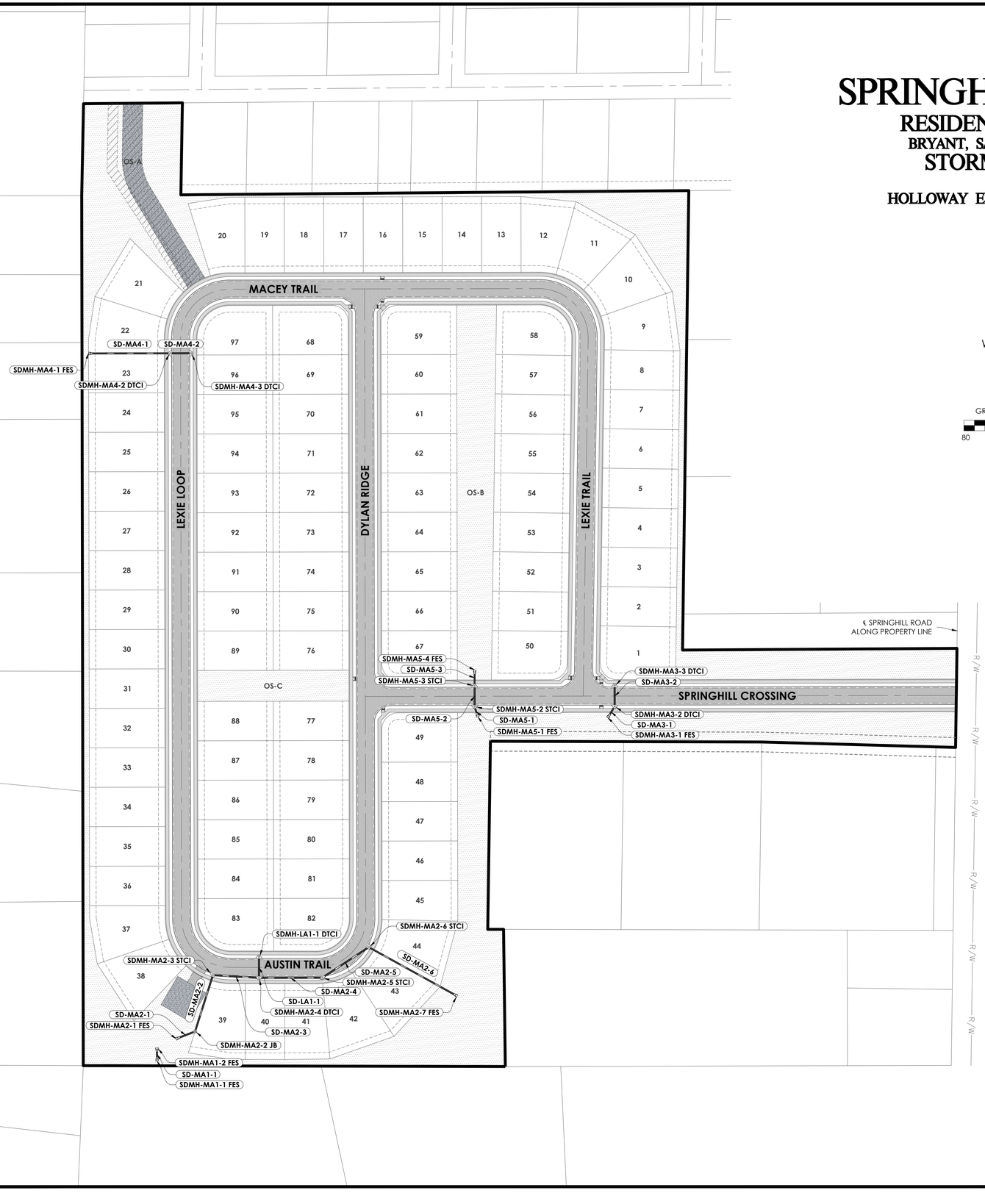
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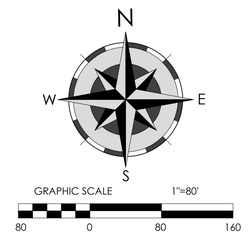
BRYANT, SALINE COUNTY, ARKANSAS

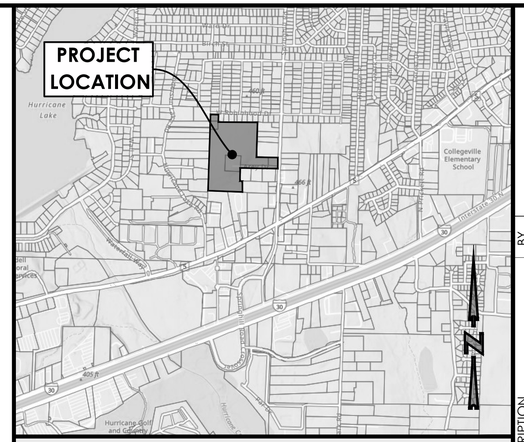
STORM SEWER PLANS

August 2026

HOLLOWAY ENGINEERING JOB NO. 2026-071







VICINITY MAP

STORM SEWER NOTES:

1. CONTRACTOR TO NOTIFY "ARKANSAS ONE-CALL" AND ALL APPROPRIATE UTILITIES. CABLE COMPANIES, ETC., PRIOR TO STARTING ANY EXCAVATION. DIAL 811
2. VEGETATION MUST BE ESTABLISHED ON DISTURBED AREAS WITHIN 14 DAYS OF COMPLETION OF GRADING ACTIVITIES.
3. ADEQ STORMWATER PERMIT MUST BE OBTAINED AND EROSION CONTROL MEASURES MUST BE INSTALLED TO COMPLY WITH ALL STORMWATER RUNOFF REGULATIONS AS DEFINED BY THE SITE EROSION CONTROL PLAN.
4. ALL SIDEWALK AREAS TO MAINTAIN A MAXIMUM 2% CROSS SLOPE AND A 5% RUNNING SLOPE & CONFORM TO ALL ADA REGULATIONS, ALL ADA PARKING TO BE MAX. 2% SLOPE ALL DIRECTIONS.
5. ALL CONCRETE SPILLWAY SECTIONS TO BE INSTALLED WITH A MINIMUM 6" (0.5 FEET) GRADE CHANGE/SLOPE AWAY FROM GUTTER LINE OF CURB.
6. THE LOCATION OF ANY UTILITIES SHOWN IS ONLY APPROXIMATE OR PROPOSED. THERE WAY EXIST MORE UTILITIES THAN THOSE SHOWN.
7. ALL DRAINAGE PIPE SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS.

LEGEND

PROPOSED	DESCRIPTION
	BOUNDARY FINAL
	BOUNDARY ADJOINER
R/W	RIGHT-OF-WAY
	EASEMENT
	STORM DRAINAGE PIPE
X-X	DRAINAGE STRUCTURE - NO.
	CURB INLET/JUNCTION BOX

STORM SEWER PIPE TABLE

NAME	SIZE / PIPE MATERIAL	LENGTH	SLOPE %
SD-LA1-1	24" RCP	32.00'	1.00%
SD-MA1-1	24" HDPE	20.00'	4.60%
SD-MA2-1	24" RCP	30.89'	1.00%
SD-MA2-2	24" RCP	89.91'	1.00%
SD-MA2-3	24" RCP	70.19'	1.00%
SD-MA2-4	24" HDPE	96.13'	2.00%
SD-MA2-5	24" RCP	84.81'	3.00%
SD-MA2-6	24" HDPE	153.63'	1.00%
SD-MA3-1	24" HDPE	19.93'	1.00%
SD-MA3-2	24" RCP	32.00'	1.00%
SD-MA4-1	24" HDPE	124.00'	0.50%
SD-MA4-2	24" RCP	32.00'	0.50%
SD-MA5-1	24" HDPE	16.00'	3.00%
SD-MA5-2	24" RCP	32.00'	1.50%
SD-MA5-3	24" HDPE	24.00'	5.00%

STORM SEWER STRUCTURE TABLE

STRUCTURE NAME	DETAILS	PIPES IN	PIPES OUT
SDMH-LA1-1 DTCI	RIM ELEV. = 424.09		SD-LA1-1 - 24" RCP INV OUT = 417.23
SDMH-MA1-1 FES	RIM ELEV. = 414.32	SD-MA1-1 - 24" HDPE INV IN = 412.08	
SDMH-MA1-2 FES	RIM ELEV. = 415.24		SD-MA1-1 - 24" HDPE INV OUT = 413.00
SDMH-MA2-1 FES	RIM ELEV. = 417.33	SD-MA2-1 - 24" RCP INV IN = 415.00	
SDMH-MA2-2 JB	RIM ELEV. = 421.01	SD-MA2-2 - 24" RCP INV IN = 415.31	SD-MA2-1 - 24" RCP INV OUT = 415.31
SDMH-MA2-3 STCI	RIM ELEV. = 424.52	SD-MA2-3 - 24" RCP INV IN = 416.21	SD-MA2-2 - 24" RCP INV OUT = 416.21
SDMH-MA2-4 DTCI	RIM ELEV. = 423.69	SD-LA1-1 - 24" RCP INV IN = 416.91 SD-MA2-4 - 24" HDPE INV IN = 416.91	SD-MA2-3 - 24" RCP INV OUT = 416.91
SDMH-MA2-5 STCI	RIM ELEV. = 425.46	SD-MA2-5 - 24" RCP INV IN = 418.84	SD-MA2-4 - 24" HDPE INV OUT = 418.83
SDMH-MA2-6 STCI	RIM ELEV. = 428.91	SD-MA2-6 - 24" HDPE INV IN = 421.38	SD-MA2-5 - 24" RCP INV OUT = 421.38
SDMH-MA2-7 FES	RIM ELEV. = 425.15		SD-MA2-6 - 24" HDPE INV OUT = 422.92
SDMH-MA3-1 FES	RIM ELEV. = 438.15	SD-MA3-1 - 24" HDPE INV IN = 435.92	
SDMH-MA3-2 DTCI	RIM ELEV. = 439.86	SD-MA3-2 - 24" RCP INV IN = 436.12	SD-MA3-1 - 24" HDPE INV OUT = 436.12
SDMH-MA3-3 DTCI	RIM ELEV. = 440.18		SD-MA3-2 - 24" RCP INV OUT = 436.44
SDMH-MA4-1 FES	RIM ELEV. = 435.24	SD-MA4-1 - 24" HDPE INV IN = 433.00	
SDMH-MA4-2 DTCI	RIM ELEV. = 438.09	SD-MA4-2 - 24" RCP INV IN = 433.62	SD-MA4-1 - 24" HDPE INV OUT = 433.62
SDMH-MA4-3 DTCI	RIM ELEV. = 438.23		SD-MA4-2 - 24" RCP INV OUT = 433.78
SDMH-MA5-1 FES	RIM ELEV. = 442.19	SD-MA5-1 - 24" HDPE INV IN = 439.95	
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SDMH-MA5-3 STCI	RIM ELEV. = 444.86	SD-MA5-3 - 24" HDPE INV IN = 440.91	SD-MA5-2 - 24" RCP INV OUT = 440.91
SDMH-MA5-4 FES	RIM ELEV. = 444.35		SD-MA5-3 - 24" HDPE INV OUT = 442.11

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REV.	DATE	DESCRIPTION	BY

SPRINGHILL CROSSING
BRYANT, SALINE COUNTY, ARKANSAS
STORM SEWER OVERVIEW

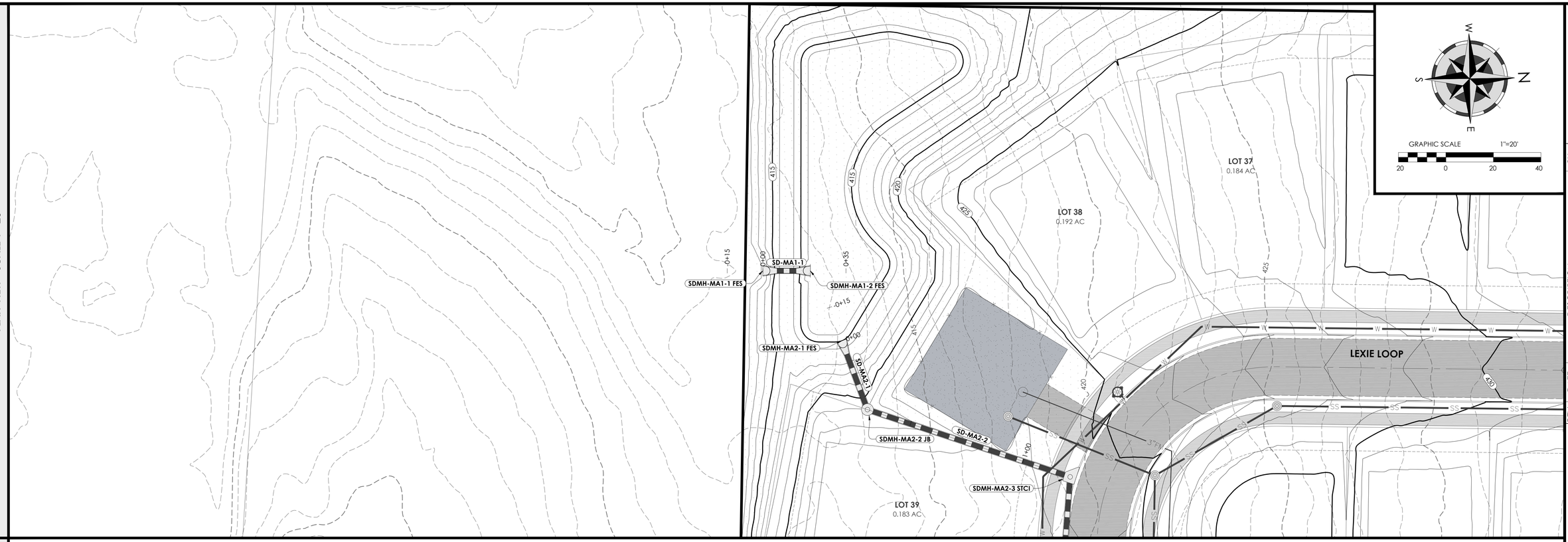
STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18898
ERIC HOLLOWAY
8/26/26

CERTIFICATE OF AUTHORIZATION
Holloway Engineering, Surveying & Civil Design, PLLC
#1879
ENGINEER

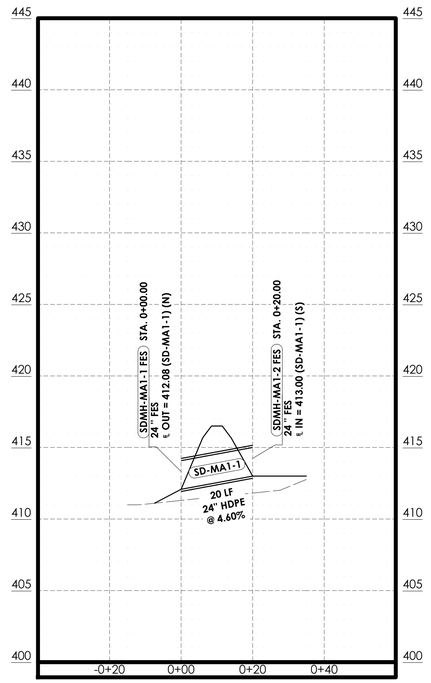
JOB NO.: 2026-071
DATE: 8/26/26
SHEET NUMBER:

C2.03

PLAN VIEW - SCALE 1"=20'



PROFILE VIEW - SCALE 1"=20'



PROPOSED
EXISTING

STORM SEWER MAIN 1
HOR. SCALE: 1"=20'
VERT. SCALE: 1"=5'

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Surveying & Civil Design

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REV.	DATE	DESCRIPTION	BY

SPRINGHILL CROSSING
BRYANT, SALINE COUNTY, ARKANSAS

STORM SEWER P&P MAIN 1

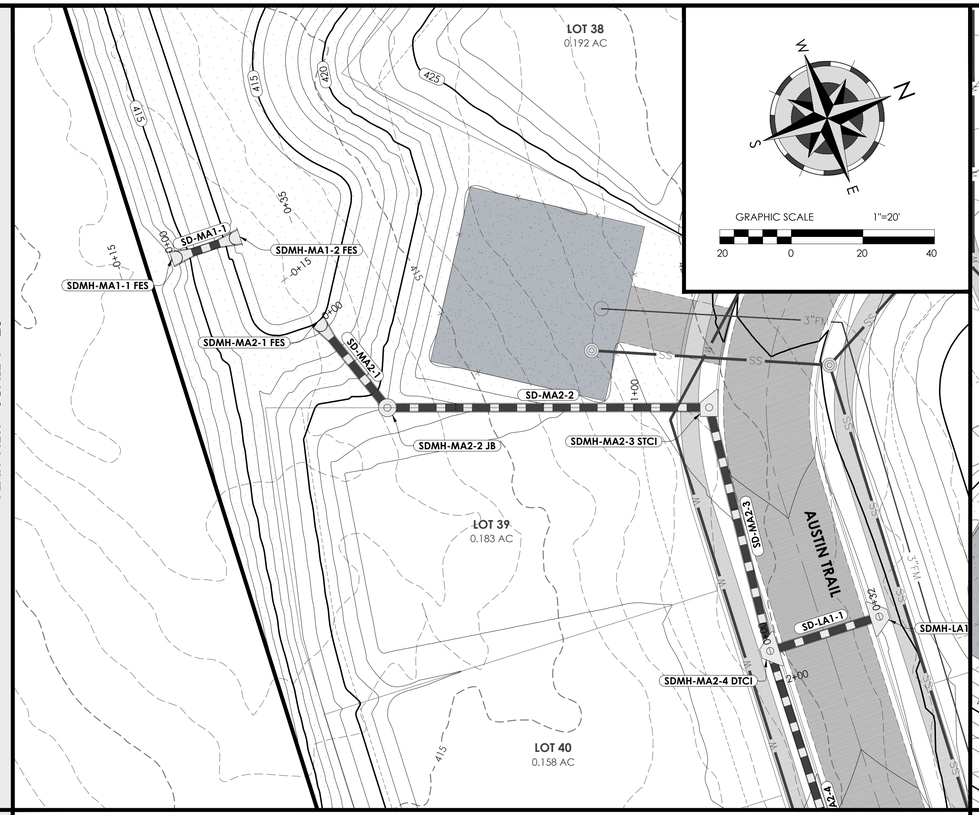
STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18898
JOHNIC HOLLOWAY
8/26/26

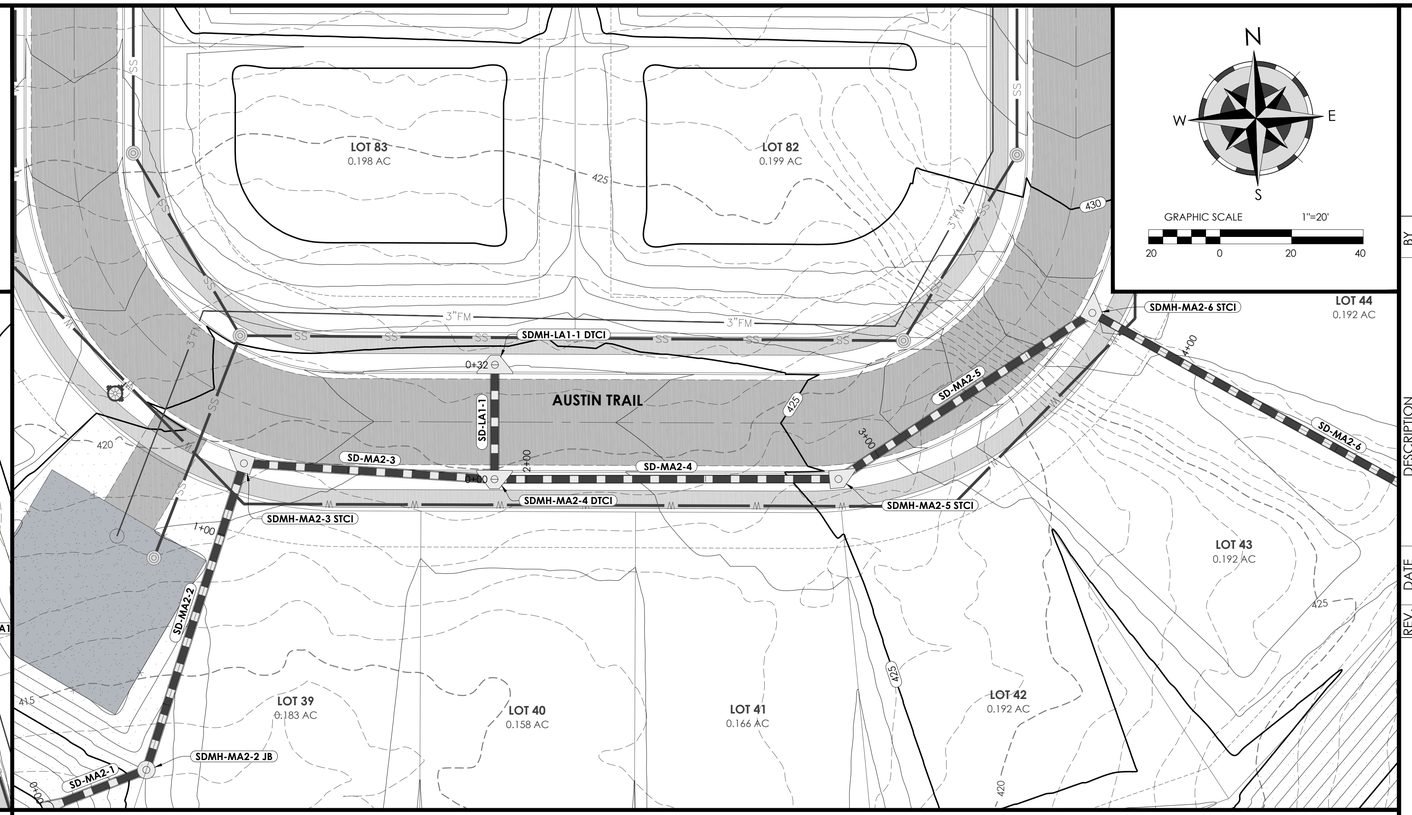
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#1879
ARKANSAS - ENGINEERING

JOB NO.: 2026-071
DATE: 8/26/26
SHEET NUMBER:

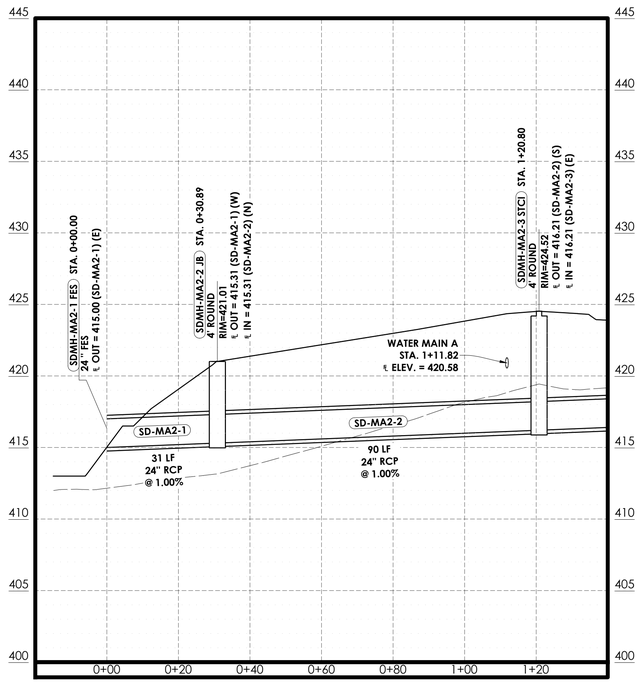
C2.04

PLAN VIEW - SCALE 1"=20'



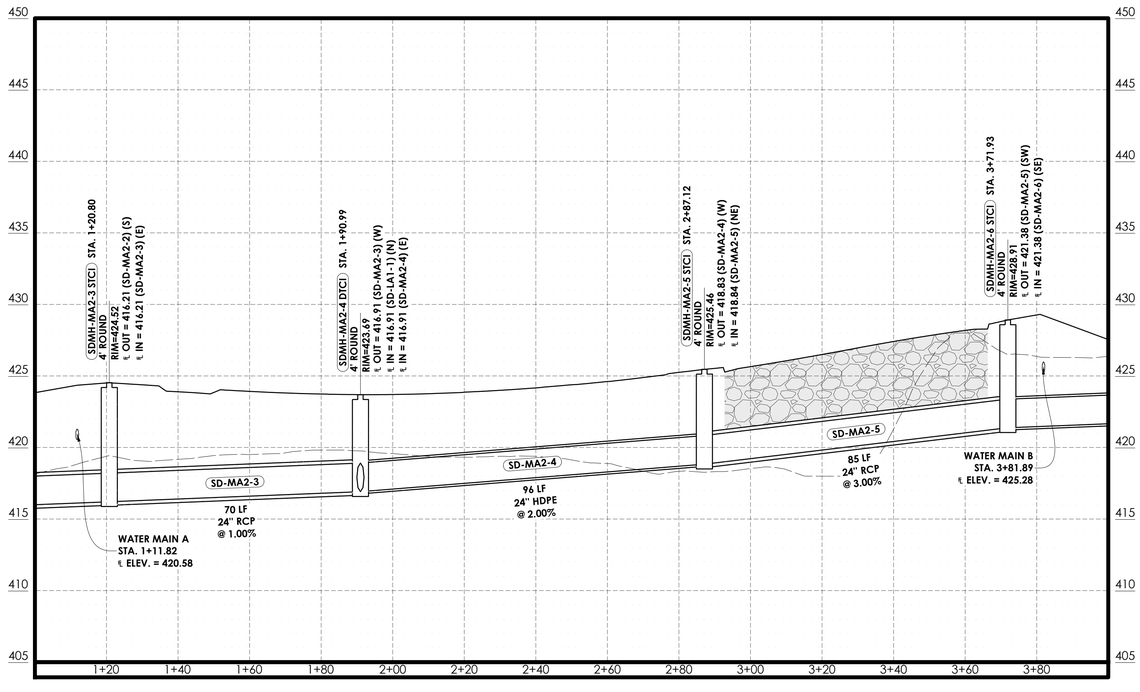


PROFILE VIEW - SCALE 1"=20'



PROPOSED
EXISTING

STORM SEWER MAIN 2
HOR. SCALE: 1"=20'
VERT. SCALE: 1"=5'



PROPOSED
EXISTING

STORM SEWER MAIN 2
HOR. SCALE: 1"=20'
VERT. SCALE: 1"=5'

CLASS 7 BACKFILL MIN.
95% COMPACTION (TYP.)

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SPRINGHILL CROSSING
BRYANT, SALINE COUNTY, ARKANSAS

STORM SEWER P&P MAIN 2 (1 OF 2)

STATE OF ARKANSAS
LICENSED
PROFESSIONAL
ENGINEER
No. 18898
ERIC HOLLOWAY
8/26/26

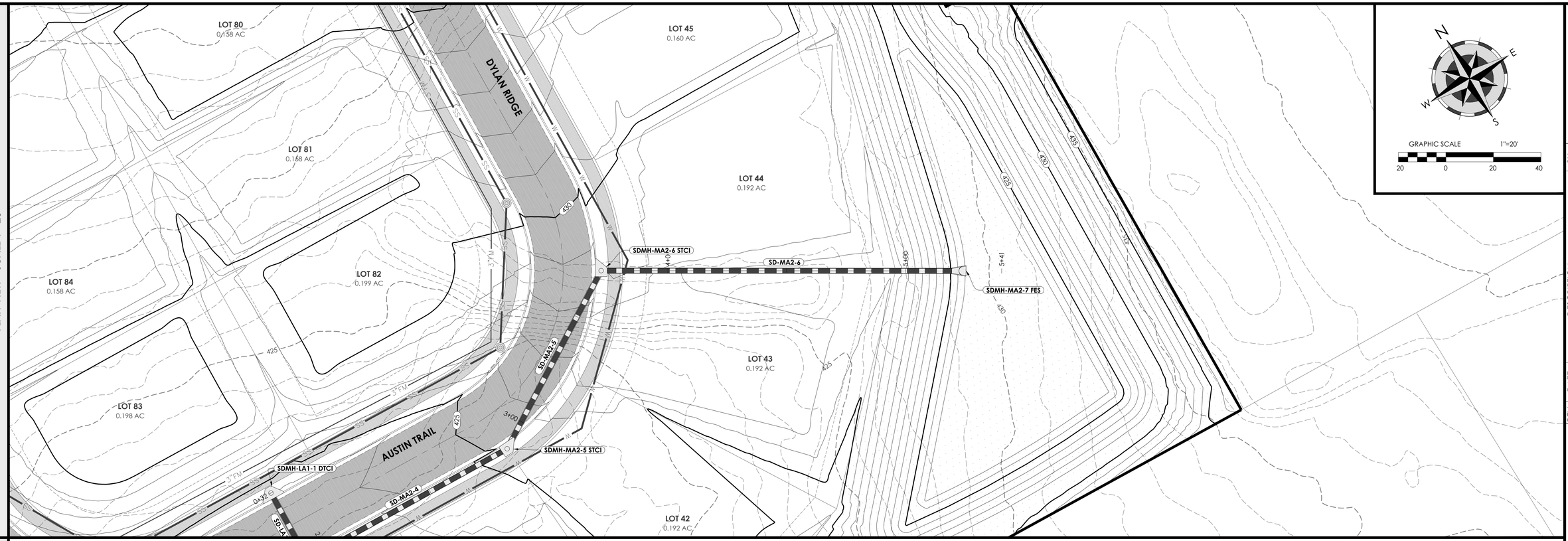
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ARKANSAS - ENGINEERING

JOB NO.: 2026-071
DATE: 8/26/26
SHEET NUMBER:

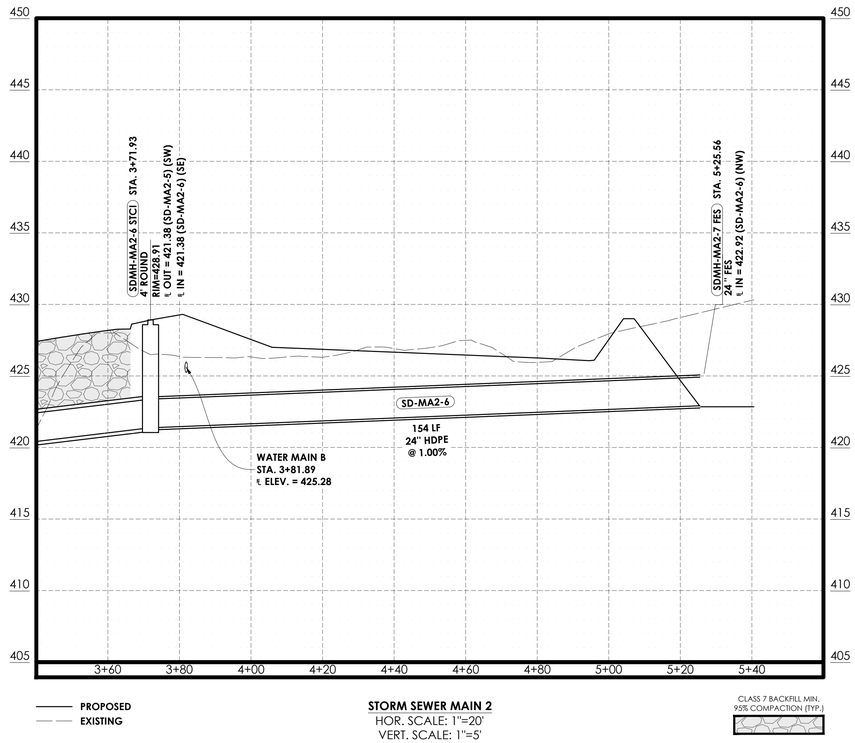
C2.05

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PLAN VIEW - SCALE 1"=20'



PROFILE VIEW - SCALE 1"=20'



PROPOSED
EXISTING

STORM SEWER MAIN 2
HOR. SCALE: 1"=20'
VERT. SCALE: 1"=5'

CLASS 7 BACKFILL MIN.
95% COMPACTION (TYP.)

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SPRINGHILL CROSSING
BRYANT, SALINE COUNTY, ARKANSAS

STORM SEWER P&P MAIN 2 (2 OF 2)

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18898
ERIC HOLLOWAY
8/26/26

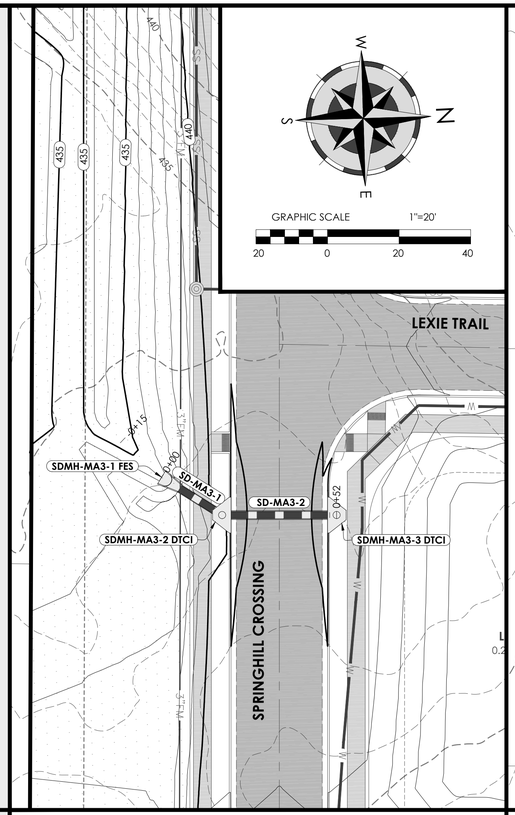
CERTIFICATE OF AUTHORIZATION
Holloway Engineering, Surveying & Civil Design, PLLC
#1879
ARKANSAS - ENGINEERING

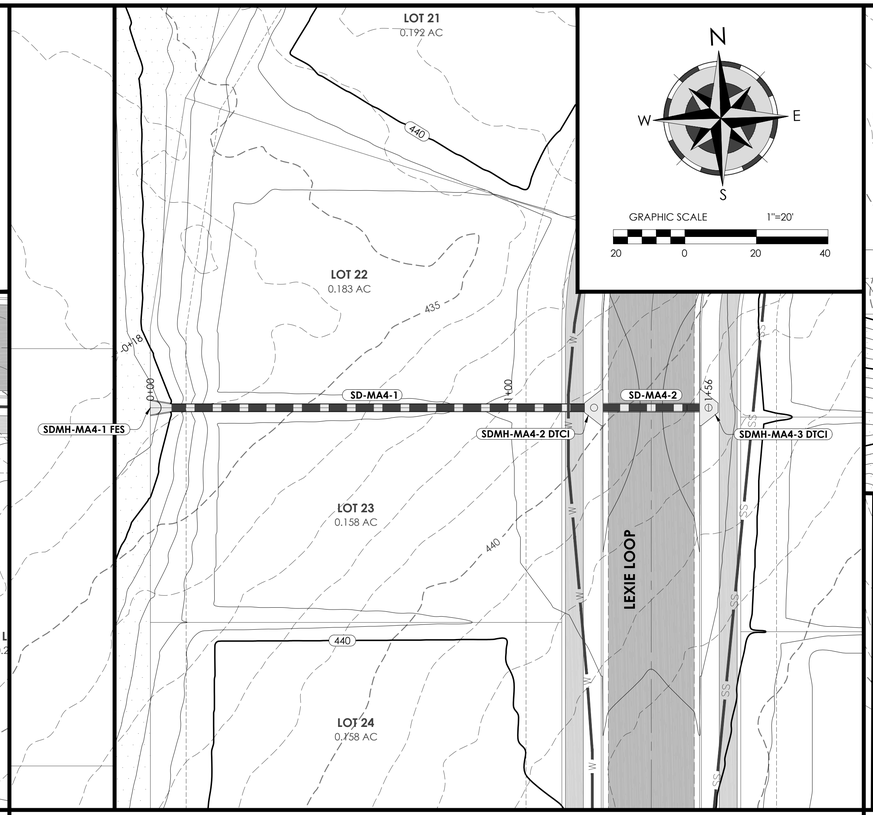
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DATE: 8/26/26
SHEET NUMBER:

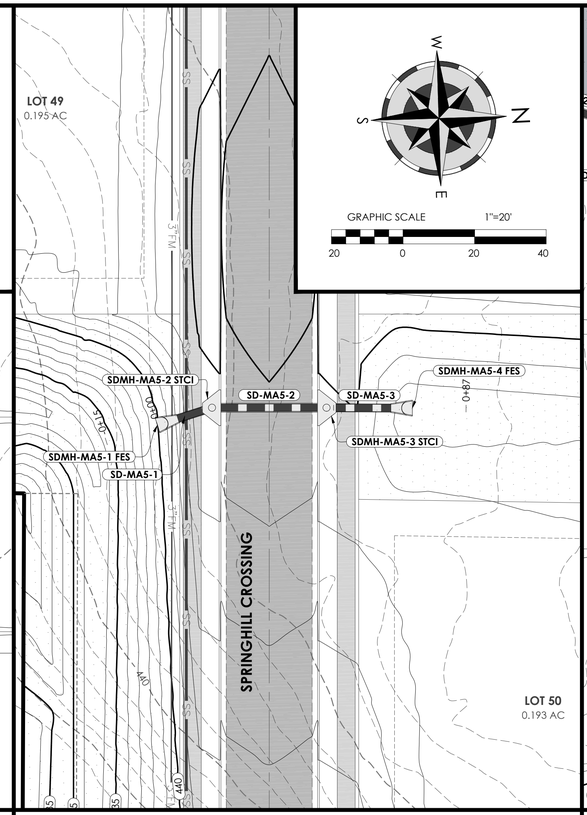
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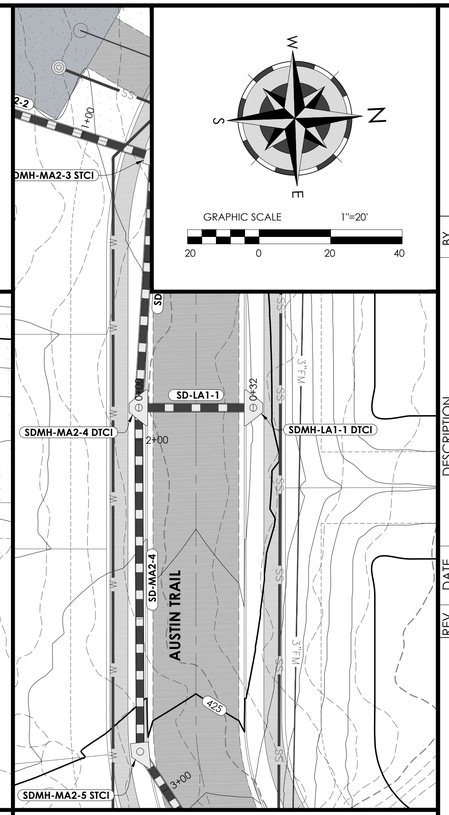
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PLAN VIEW - SCALE 1"=20'

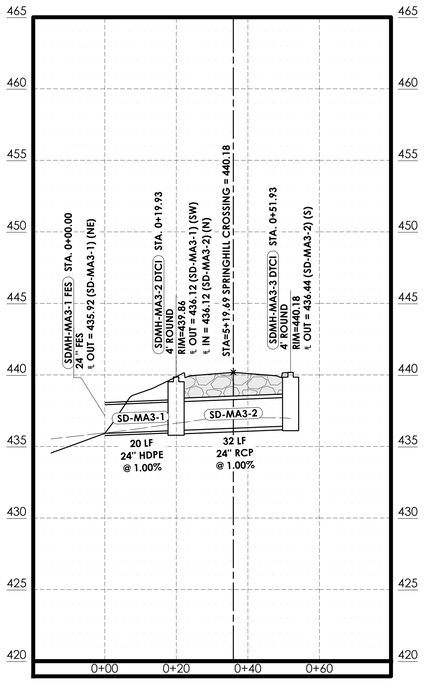








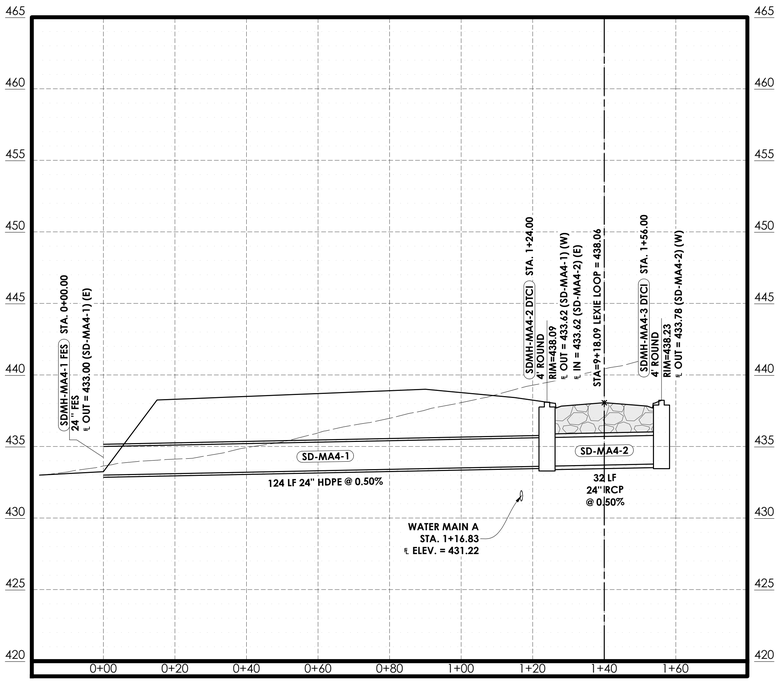
PROFILE VIEW - SCALE 1"=20'



PROPOSED
EXISTING

STORM SEWER MAIN 3
HOR. SCALE: 1"=20'
VERT. SCALE: 1"=5'

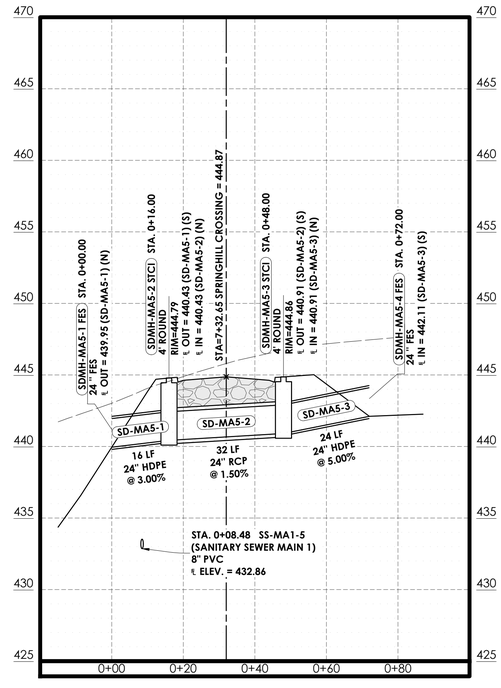
CLASS 7 BACKFILL MIN. 95% COMPACTION (TYP.)



PROPOSED
EXISTING

STORM SEWER MAIN 4
HOR. SCALE: 1"=20'
VERT. SCALE: 1"=5'

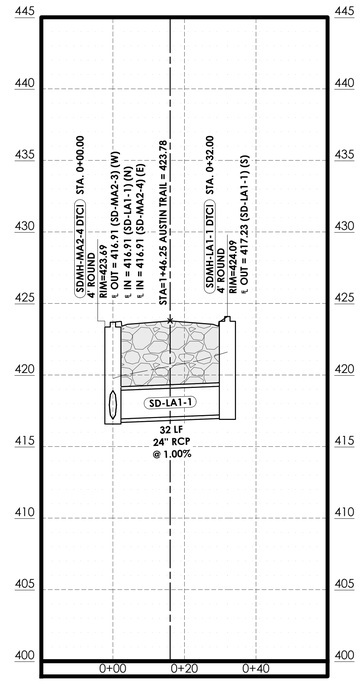
CLASS 7 BACKFILL MIN. 95% COMPACTION (TYP.)



PROPOSED
EXISTING

STORM SEWER MAIN 5
HOR. SCALE: 1"=20'
VERT. SCALE: 1"=5'

CLASS 7 BACKFILL MIN. 95% COMPACTION (TYP.)



PROPOSED
EXISTING

STORM SEWER LATERAL 1
HOR. SCALE: 1"=20'
VERT. SCALE: 1"=5'

CLASS 7 BACKFILL MIN. 95% COMPACTION (TYP.)

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BRYANT, SALINE COUNTY, ARKANSAS

STORM SEWER P&P MAINS 3-5 & LATERAL 1

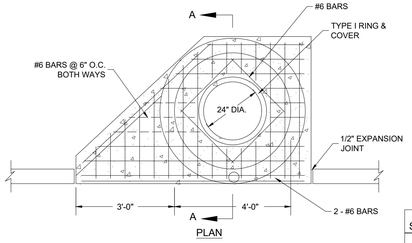
ARKANSAS
LICENSED
PROFESSIONAL
ENGINEER
No. 18898
CHRIS HOLLOWAY
8/26/26

STATE OF ARKANSAS
Holloway
Engineering, Surveying,
Civil Design, PLLC
#1879
CERTIFICATE OF AUTHORIZATION
EXPIRES AS - ENGINEERING

JOB NO.: 2026-071
DATE: 8/26/26
SHEET NUMBER:

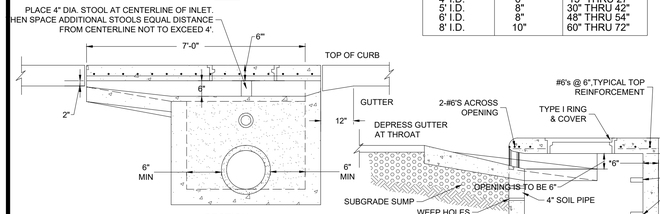
C2.07

GENERAL NOTES:
1. ALL EXPOSED CORNERS TO HAVE 3/4" CHAMFER.
2. STEPS SHALL BE INSTALLED IN ALL INLETS 4'-0" HIGH AND OVER OR AS DIRECTED BY THE ENGINEER
3. ALL REINFORCING BARS SHALL BE GRADE 60 AND HAVE MINIMUM 1" COVER.
4. ALL WORK SHALL COMPLY WITH SECTION 609 OF THE AHTD STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2014 EDITION.
5. DROP INLETS AND EXTENSION ON CURVED SECTIONS SHALL CONFORM TO THE CURVATURE OF THE CURB.
6. 4" DIAMETER COLUMNS SPACED AT MAX 4'0-0" INTERVALS SHALL BE INSTALLED ALONG INLET AND EXTENSION SUPPORT TOP.
7. BASE AND INLET WALLS SHALL BE CAST MONOLITHICALLY.
8. THE THROAT SHALL BE CAST INTEGRALLY WITH THE GUTTER.
9. PIPES MAY ENTER DROP INLET FROM ANY ANGLE OR ELEVATION AS MAY BE APPROVED BY THE ENGINEER.
10. ALTERNATE DROP INLET DESIGNS MAY BE SUBSTITUTED AS APPROVED BY THE ENGINEER.
11. DURING CONSTRUCTION OF THE ROADWAY THE CONTRACTOR SHALL MAINTAIN DRAINAGE INTO OR AROUND THE DROP INLET AS APPROVED BY THE ENGINEER.
12. 3-1/2"X1-1/2" NOTCH SHALL BE FORMED IN ALL DROP INLETS TO SUPPORT SIDEWALK CONSTRUCTION. REFER TO DETAIL OF NOTCH FOR SIDEWALKS.
13. HEAVY DUTY RING AND COVER SHALL BE USED WHEN INLET IS LOCATED WITHIN A RADIUS. STANDARD DUTY ("NON-TRAFFIC" RATED) RING AND COVER MAY BE USED IN OTHER AREAS OUTSIDE OF ROADWAY.
14. HEAVY DUTY RING AND COVER TO BE EAST JORDAN V-1600-2 & 1346A OR APPROVED EQUAL.
15. STANDARD DUTY RING AND COVER TO BE EAST JORDAN V-1865 MANHOLE ASSEMBLY OR APPROVED EQUAL.



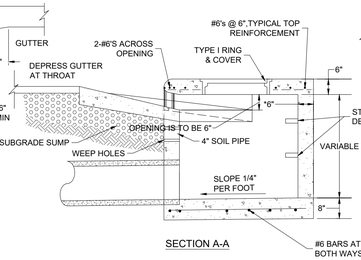
PLAN

*DIA. OF STRUCTURE	WALL THICKNESS	DIA. OF OUTLET PIPE
4' I.D.	6"	15" THRU 27"
5' I.D.	8"	30" THRU 42"
6' I.D.	8"	48" THRU 54"
8' I.D.	10"	60" THRU 72"



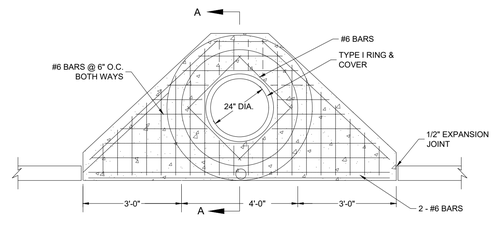
SECTION

NOTE:
TYPE II RING & COVER REQUIRED WHEN SUBJECTED TO TRAFFIC.

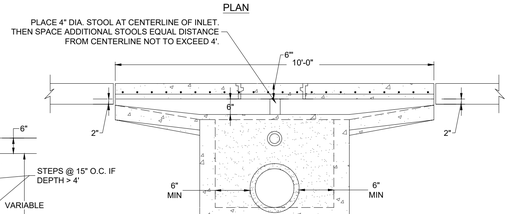


SECTION A-A

SINGLE THROAT CURB INLET



PLAN



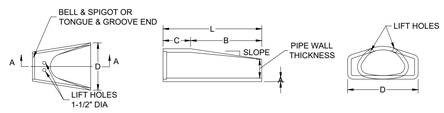
SECTION

NOTE:
TYPE II RING & COVER REQUIRED WHEN SUBJECTED TO TRAFFIC.

DOUBLE THROAT CURB INLET

C-1
C1.50 N.T.S.

SINGLE AND DOUBLE THROAT CURB INLET



PLAN

SECTION A-A

ARCH FLARED END SECTION DIMENSIONS

EQUIV. SIZE	SPAN-RISE (NOMINAL)	METRIC EQUIV.	WALL THICK.	WT. LBS/SEC.	SLOPE	A IN.	B IN.	C IN.	D IN.	L IN.
18"	22X13	560X345	2-1/2	1,050	3:1	7	27	45	36	72
24"	29X18	725X460	3	1,580	3:1	8	39	33	48	72
30"	36X23	920X570	3-1/2	2,250	3:1	10	48	24	60	72
36"	44X27	1110X675	4	3,900	3:1	10	60	36	72	96
42"	51X31	1300X795	4-1/2	5,420	3:1	15	60	36	78	96
48"	58X36	1485X915	5	6,540	3:1	21	60	36	84	96
54"	65X40	1650X1015	5-1/2	7,640	3:1	25	60	36	90	96
60"	73X45	1855X1145	6	9,510	3:1	26	75	21	96	96
72"	88X54	2235X1370	7	14,840	3:1	35	78	22	120	100

ROUND FLARED END SECTION DIMENSIONS

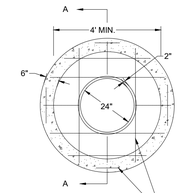
PIPE DIA.	METRIC EQUIV.	WALL THICK.	WT. LBS./SEC	SLOPE	A IN.	B IN.	C IN.	D IN.	L IN.
15"	375	2-1/4	1000	3:1	6	27	46	32	73
18"	450	2-1/2	1180	3:1	9	27	46	36	73
24"	600	3	1666	3:1	10	44	30	48	74
30"	750	3-1/2	1960	3:1	12	54	20	60	74
36"	900	4	4430	3:1	15	63	35	72	98
42"	1050	4-1/2	5630	3:1	21	63	35	78	98
48"	1200	5	6870	3:1	24	72	26	84	98
54"	1350	5-1/2	8320	3:1	28	78	22	90	100
60"	1500	6	10,660	3:1	34	78	22	96	100
66"	1650	6-1/2	12,700	3:1	40	78	22	102	100
72"	1800	7	14,820	3:1	46	78	22	102	100

C-2
C1.50 N.T.S.

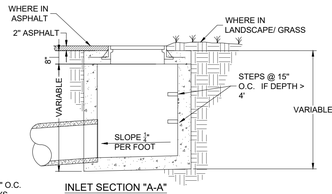
FLARED END SECTION

NOTE: RING AND COVER ARE 24" TRAFFIC RATED TYPE MATERIALS. PROJECTIONS THROUGH PAVEMENT SUCH AS MANHOLE RINGS, VALVE BOXES, ETC. ARE TO BE WRAPPED WITH EXP. JOINT MATERIAL TO PREVENT BOND WITH CONCRETE BOXES 4' DEEP OR GREATER ARE TO HAVE STANDARD MANHOLE STEPS.

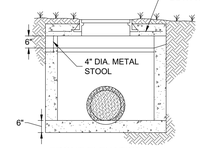
SEE PLANS FOR JUNCTION BOX LOCATION. WHEN IN LANDSCAPE BEDS OR GRASS AREAS ALLOW FOR 3" OF TOPSOIL AND SOD OR PLANT MATERIAL TO BE PLACED OVER THE BOX SO THAT MANHOLE LID IS VISIBLE BUT CONCRETE TOP IS NOT.



PLAN



INLET SECTION "A-A"



FRONT ELEVATION

*DIA. OF STRUCTURE	WALL THICKNESS	DIA. OF OUTLET PIPE
4' I.D.	6"	15" THRU 27"
5' I.D.	8"	30" THRU 42"
6' I.D.	8"	48" THRU 54"
8' I.D.	10"	60" THRU 72"

NOTE:
TYPE II RING & COVER REQUIRED WHEN SUBJECTED TO TRAFFIC.

C-3
C1.50 N.T.S.

JUNCTION BOX

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(501) 851-3366
www.holloway-eng.com

REV.	DATE	DESCRIPTION	BY

SPRINGHILL CROSSING
BRYANT, SALINE COUNTY, ARKANSAS

GRADING & DRAINAGE DETAILS

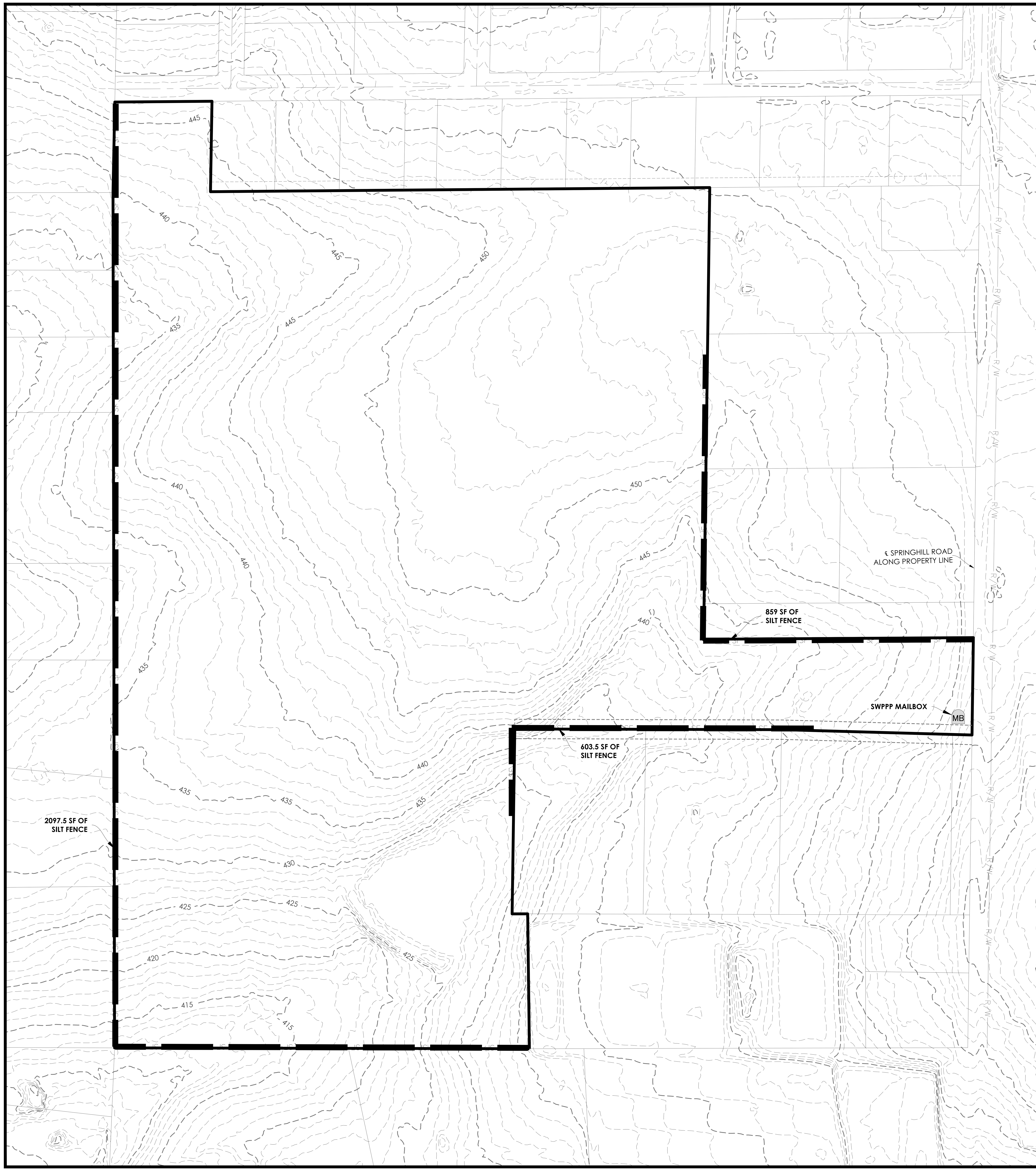
STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18898
JOHN C. HOLLOWAY
8/26/26

CERTIFICATE OF AUTHORIZATION
Holloway Engineering, Surveying & Civil Design, PLLC
#1879
ARKANSAS ENGINEERING

JOB NO.: 2026-071
DATE: 8/26/26
SHEET NUMBER:

C2.50

L:\2026\2026-071 - Daryl Bryant 26 Ac project\Drawings\Sheets\C2.10 GRADING & DRAINAGE DETAILS.dwg



EROSION CONTROL LEGEND

SYMBOL	DESCRIPTION
—— SF ——	SILT FENCE
——▶——	CENTER DITCH & FLOW DIRECTION

N
W E
S

GRAPHIC SCALE 1"=80'

80 0 80 160

SWPPP NOTES:

1. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION BY CALLING ARKANSAS ONE-CALL AT 1-800-482-8998 OR 811.
2. WHEN SOIL IS EXPOSED FOR MORE THAN 14 DAYS WITH NO CONSTRUCTION ACTIVITY IMMINENT, THE SOIL SHALL BE STABILIZED WITH SEED AND MULCH.
3. ADDITIONAL EROSION CONTROL MEASURES SHALL BE EMPLOYED AS CONDITIONS WARRANT.
4. CONSTRUCTION EXITS SHALL BE MAINTAINED TO PREVENT THE TRACKING OR FLOW OF MUD AND DEBRIS ONTO PUBLIC RIGHT-OF-WAYS.
5. ALL EROSION CONTROL DEVICES MUST BE INSPECTED WEEKLY AND AFTER EVERY PRECIPITATION EVENT. THE DEVICES MUST BE REPAIRED OR REPLACED IF THEIR CONDITION WARRANTS IT. A RECORD OF ALL INSPECTIONS AND REPAIRS MUST BE KEPT ONSITE.
6. EROSION CONTROL DEVICES MUST REMAIN IN PLACE UNTIL ALL UPSTREAM GROUND HAS BEEN STABILIZED.
7. SEDIMENT MUST BE REMOVED FROM SILT FENCES, SEDIMENT TRAPS AND BASINS ONCE THE VOLUME OF SEDIMENT REACHES ONE HALF OR THE DEVICES' CAPACITY.
8. A CONCRETE WASH OUT AREA MUST BE PROVIDED BY THE CONTRACTOR IN ORDER TO ISOLATE THE WASHOUT FROM CONCRETE TRUCKS FROM INTERMINGLING WITH STORMWATER.
9. THE CONTRACTOR MUST STORE ALL ON-SITE FUELS AND HAZARDOUS MATERIALS SUCH THAT NO SPILL OF THE HAZARDOUS MATERIAL CAN CONTAMINATE STORMWATER RUNOFF, SURFACE OR GROUND WATER.

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Surveying & Civil Design

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REV.	DATE	DESCRIPTION	BY

SPRINGHILL CROSSING

BRYANT, SALINE COUNTY, ARKANSAS

SWPPP-EROSION CONTROL PLAN INITIAL

STATE OF ARKANSAS LICENSED PROFESSIONAL ENGINEER No. 18898 J. ERIC HOLLOWAY

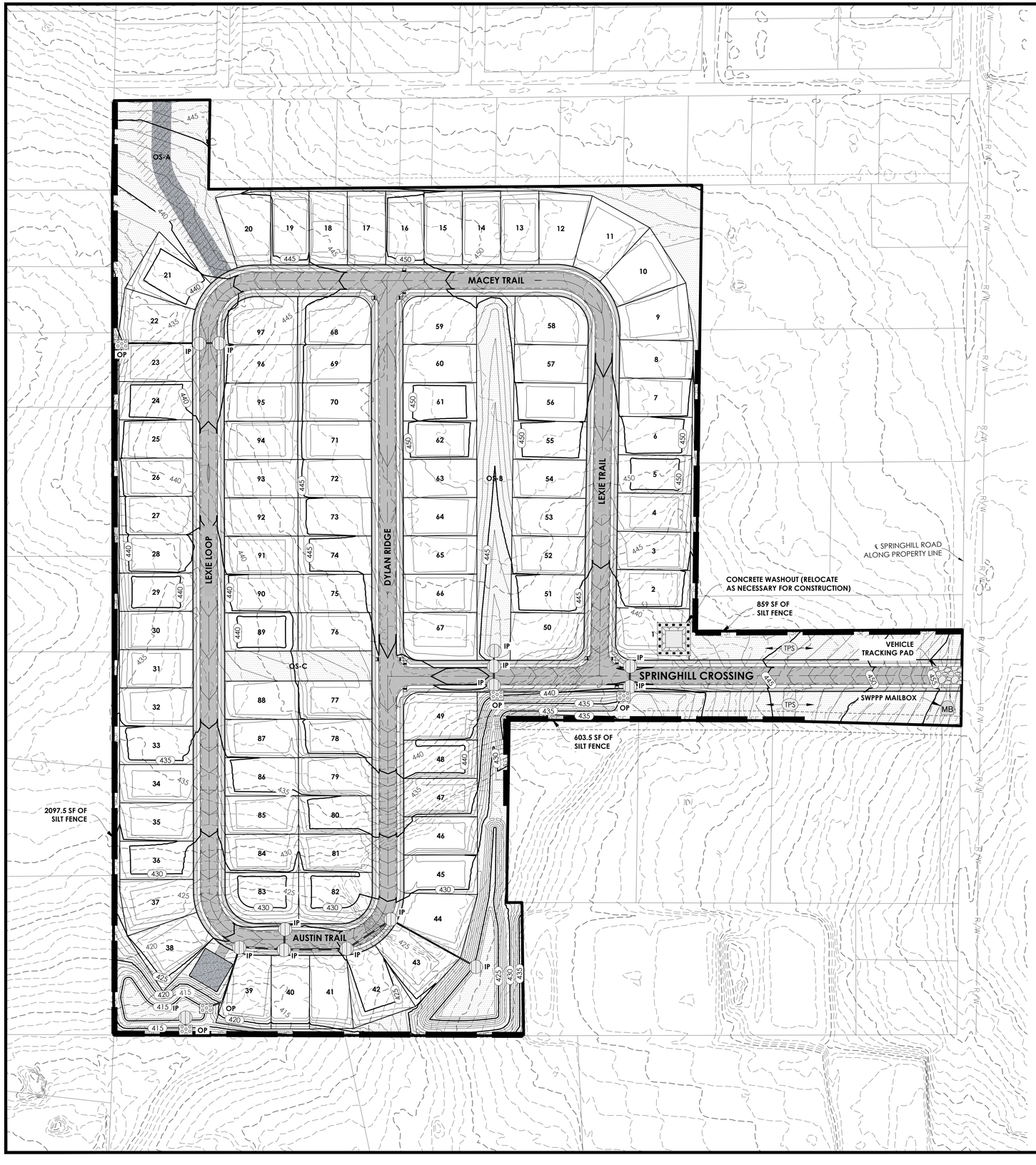
8/26/26

CERTIFICATE OF AUTHORIZATION Holloway Engineering, Surveying & Civil Design, PLLC #1879 ARKANSAS - ENGINEER

JOB NO.: 2026-071
DATE: 8/26/26
SHEET NUMBER:

C3.00

L:\2026\2026-071 - Daryl Bryant 26 Ac project\Drawings\Sheets\C3.00 SWPPP - EROSION CONTROL PLAN.dwg



EROSION CONTROL LEGEND

SYMBOL	DESCRIPTION
SF	SILT FENCE
	CENTER DITCH & FLOW DIRECTION
	VEHICULAR TRACKING PAD (CONSTRUCTION ENTRANCE)
IP	INLET PROTECTION
TPS	TEMPORARY PARKING & STORAGE
OP	OUTLET PROTECTION RIPRAP PAD

N
W E
S

GRAPHIC SCALE 1"=80'

80 0 80 160

SWPPP NOTES:

1. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION BY CALLING ARKANSAS ONE-CALL AT 1-800-482-8998 OR 811.
2. WHEN SOIL IS EXPOSED FOR MORE THAN 14 DAYS WITH NO CONSTRUCTION ACTIVITY IMMINENT, THE SOIL SHALL BE STABILIZED WITH SEED AND MULCH.
3. ADDITIONAL EROSION CONTROL MEASURES SHALL BE EMPLOYED AS CONDITIONS WARRANT.
4. CONSTRUCTION EXITS SHALL BE MAINTAINED TO PREVENT THE TRACKING OR FLOW OF MUD AND DEBRIS ONTO PUBLIC RIGHT-OF-WAYS.
5. ALL EROSION CONTROL DEVICES MUST BE INSPECTED WEEKLY AND AFTER EVERY PRECIPITATION EVENT. THE DEVICES MUST BE REPAIRED OR REPLACED IF THEIR CONDITION WARRANTS IT. A RECORD OF ALL INSPECTIONS AND REPAIRS MUST BE KEPT ONSITE.
6. EROSION CONTROL DEVICES MUST REMAIN IN PLACE UNTIL ALL UPSTREAM GROUND HAS BEEN STABILIZED.
7. SEDIMENT MUST BE REMOVED FROM SILT FENCES, SEDIMENT TRAPS AND BASINS ONCE THE VOLUME OF SEDIMENT REACHES ONE HALF OR THE DEVICES' CAPACITY.
8. A CONCRETE WASH OUT AREA MUST BE PROVIDED BY THE CONTRACTOR IN ORDER TO ISOLATE THE WASHOUT FROM CONCRETE TRUCKS FROM INTERMINGLING WITH STORMWATER.
9. THE CONTRACTOR MUST STORE ALL ON-SITE FUELS AND HAZARDOUS MATERIALS SUCH THAT NO SPILL OF THE HAZARDOUS MATERIAL CAN CONTAMINATE STORMWATER RUNOFF, SURFACE OR GROUND WATER.

Holloway Engineering, Surveying & Civil Design

200 Casey Drive
Maumelle, AR 72113
(501) 851-3366
www.holloway-eng.com

REV.	DATE	DESCRIPTION	BY

SPRINGHILL CROSSING
BRYANT, SALINE COUNTY, ARKANSAS

SWPPP-EROSION CONTROL PLAN
INTERMEDIATE

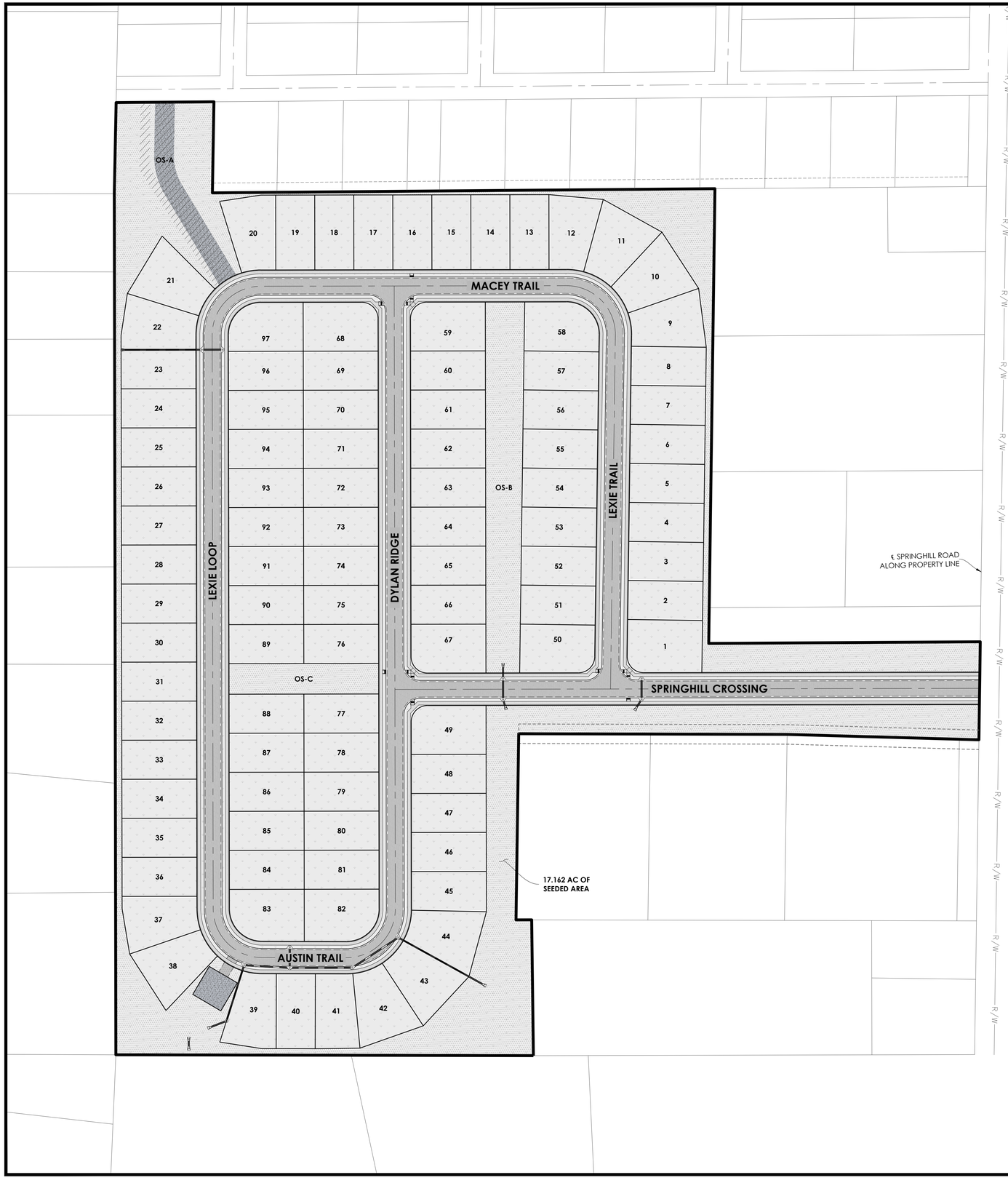
STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18898
ERIC HOLLOWAY
8/26/26

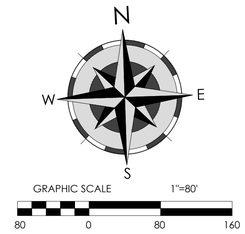
CERTIFICATE OF AUTHORIZATION
Holloway Engineering, Surveying & Civil Design, PLLC
#1879
ARKANSAS - ENGINEER

JOB NO.: 2026-071
DATE: 8/26/26
SHEET NUMBER:

C3.01

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BRYANT, SALINE COUNTY, ARKANSAS

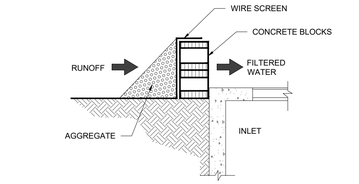
SWPPP-EROSION CONTROL PLAN FINAL

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18898
JEFFERY HOLLOWAY
8/26/26

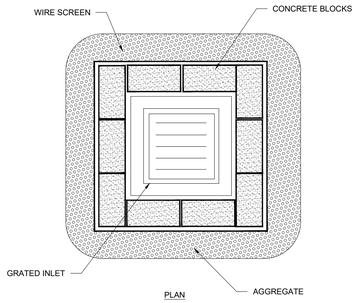
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SHEET NUMBER:

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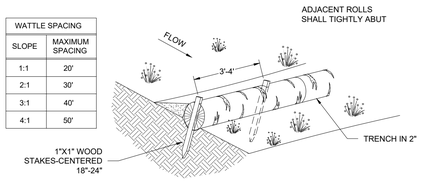
SECTION



PLAN

C-1 / C3.10 BLOCK & STONE INLET PROTECTION
N.T.S.

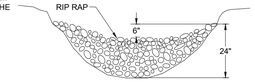
WATTLE SPACING	
SLOPE	MAXIMUM SPACING
1:1	20'
2:1	30'
3:1	40'
4:1	50'



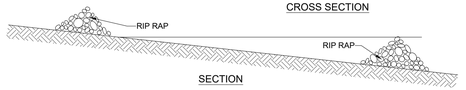
INSTALLATION NOTES
1. WATTLES SHALL CONSIST OF STRAW, COMPOST, EXCELSIOR, OR COCONUT FIBER.
2. NOT FOR USE IN CONCENTRATED FLOW AREAS.
3. THE WATTLES SHALL BE TRENCHED INTO THE GROUND A MINIMUM OF TWO (2) INCHES.
4. WATTLES SHALL BE INSTALLED PER MANUFACTURERS SPECIFICATIONS.
5. ON SLOPES, WATTLES SHOULD BE INSTALLED ON CONTOUR WITH A SLIGHT UPWARD CURVE AT THE END OF THE ROW IN ORDER TO CREATE PONDING.
6. RUNNING LENGTHS OF WATTLES SHOULD BE ABUTTED FIRMLY TO ENSURE NO LEAKAGE AT THE ABUTMENTS.
7. WHEN INSTALLING RUNNING LENGTHS OF WATTLES, BUTT THE SECOND WATTLE TIGHTLY AGAINST THE FIRST, DO NOT OVERLAP THE ENDS. STAKE THE WATTLES AT EACH END AND FOUR FOOT ON CENTER.
8. STAKES SHOULD BE DRIVEN THROUGH THE MIDDLE OF THE WATTLE. LEAVING 2 - 3 INCHES OF THE STAKE PROTRUDING ABOVE THE WATTLE. WHEN INSTALLING WATTLES ON SLOPES, DRIVE THE STAKES PERPENDICULAR TO THE SLOPE.
9. DRIVE THE FIRST END STAKE OF THE SECOND WATTLE AT AN ANGLE TOWARD THE FIRST WATTLE IN ORDER TO HELP ABUT THEM TIGHTLY TOGETHER.
10. THE CITY RECOMMENDS USING WOOD STAKES TO SECURE THE WATTLES. 1/2" TO 5/8" REBAR IS ALSO ACCEPTABLE WITH A SAFETY CAP. BE SURE TO USE A STAKE THAT IS LONG ENOUGH TO PROTRUDE SEVERAL INCHES ABOVE THE WATTLE.
11. THE CONTRACTOR SHALL INSPECT WATTLES EVERY TWO WEEKS AND AFTER ANY SIGNIFICANT STORM EVENT AND MAKE REPAIRS OR REMOVE SEDIMENT ACCUMULATED BEHIND WATTLE AS NECESSARY.
12. SEDIMENT ACCUMULATED BEHIND WATTLE SHALL BE REMOVED WHEN THE SEDIMENT HAS ACCUMULATED TO ONE HALF THE DIAMETER OF THE WATTLE.
13. WATTLES SHALL REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND IS ACCEPTED BY THE CITY.

C-2 / C3.10 WATTLE
N.T.S.

NOTES:
1. THE MAXIMUM HEIGHT OF THE CHECK DAM IS 2 FEET.
2. CHECK DAM CENTER MUST BE BE 6 INCHES LOWER THAN OUTER EDGES.
3. THE MAXIMUM SPACING BETWEEN DAMS SHOULD BE SUCH THAT THE TOE OF THE UPSTREAM DAM IS AT THE SAME AT THE SAME ELEVATION AS THE TOP OF THE DOWNSTREAM DAM.
4. ACCUMULATED SEDIMENT IS TO BE REMOVED FROM BEHIND CHECKDAMS WHEN IT REACHES ONE HALF THE DAM HEIGHT.
5. EROSION AROUND DAM EDGES IS TO BE CORRECTED IMMEDIATELY.

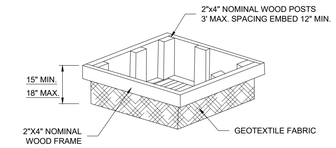


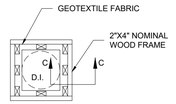
CROSS SECTION



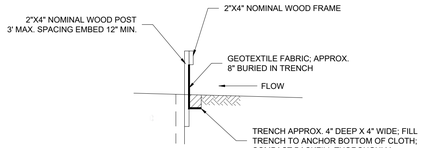
SECTION

C-3 / C3.10 CHECK DAM
N.T.S.



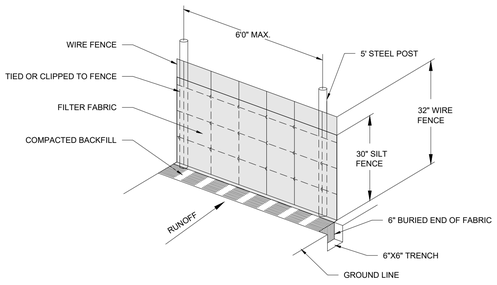


PLAN



SECTION C-C

C-4 / C3.10 SILT FENCE AT DROP INLET
N.T.S.

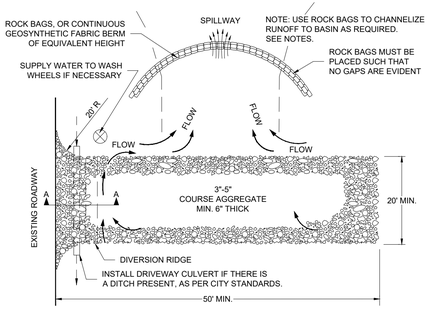


SILT FENCE NOTES
1. POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF ONE FOOT.
2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN (e.g. PAVEMENT), WEIGHT FABRIC FLAP WITH ROCK ON UPHILL SIDE TO PREVENT FLOW FROM SEEPING UNDER FENCE.
3. THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
4. SILT FENCE SHOULD BE SECURELY FASTENED TO EACH SUPPORT POST OR TO WOVEN WIRE, WHICH IN TURN IS ATTACHED TO THE FENCE POST. THERE SHALL BE A 3 FOOT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
5. REPAIR OF REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
6. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
7. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF HALF THE HEIGHT OF THE FENCE. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.

C-5 / C3.10 WIRE REINFORCED SILT FENCE
N.T.S.



SECTION A-A

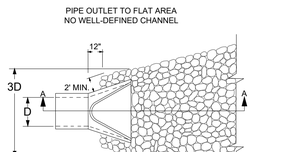


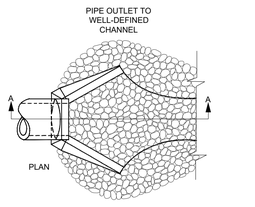
PLAN

NOTE: 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 CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

NOTES:
1. STONE SIZE: 3"-5" OPEN GRADED ROCK.
2. LENGTH: AS EFFECTIVE BUT NOT LESS THAN 50'.
3. THICKNESS: NOT LESS THAN 8".
4. WIDTH: NOT LESS THAN 8".
WIDTH: NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS/EGRESS.
5. WASHING - WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS.
6. MAINTENANCE: THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE CONDITIONS DEMAND, AND REPAIR AND CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENTS SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADWAY MUST BE REMOVED IMMEDIATELY.
7. DRAINAGE: ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.

C-6 / C3.10 STABILIZED CONSTRUCTION EXIT
N.T.S.

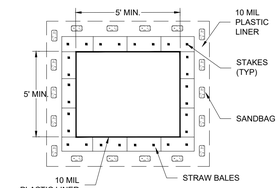




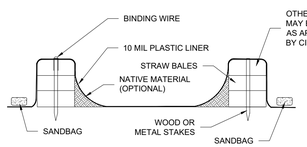
NOTES:
1. LA IS THE LENGTH OF THE RIPRAP APRON. PLEASE SEE DESIGN PLANS FOR LENGTH.
2. D = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6".
3. IN A WELL-DEFINED CHANNEL BANK TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OF TO THE TOP OF THE BANK, WHICHEVER IS LESS.
4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND SOIL FOUNDATION COMPLYING WITH AASHTO M288.
5. PLEASE SEE DETAIL PW-60 FOR GROUTING.

C-7 / C3.10 FLARED END CHECK DAM
N.T.S.

WASHOUT NOTES:
1. NO WASHING OUT OF CONCRETE TRUCKS OR WASHING OF SWEEPINGS FROM EXPOSED AGGREGATE CONCRETE INTO STORM DRAINS, OPEN DITCHES, STREETS, OR STREAMS IS ALLOWED.
2. EXCESS CONCRETE IS NOT ALLOWED TO BE DUMPED ON-SITE, EXCEPT IN DESIGNATED TEMPORARY CONCRETE WASHOUT PIT AREAS.
3. ON-SITE TEMPORARY CONCRETE WASHOUT AREAS WILL BE LOCATED AT LEAST 50 FEET FROM STORM DRAINS, OPEN DITCHES, OR WATER BODIES AS DETERMINED IN THE FIELD.
4. TEMPORARY CONCRETE WASHOUT FACILITIES WILL BE CONSTRUCTED AND MAINTAINED IN SUFFICIENT QUANTITY AND SIZE TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS.
5. WASHOUT FACILITIES WILL BE CLEANED OUT OR REPLACED ONCE THE WASHOUT IS 75% FULL.
6. PLASTIC LINING MATERIAL WILL BE MINIMUM OF 10 MIL POLYETHYLENE SHEETING AND WILL BE FREE OF HOLES, TEARS, OR OTHER DEFECTS.
7. WHEN WASHOUT FACILITIES ARE NO LONGER REQUIRED FOR WORK, THE HARDENED CONCRETE WILL BE REMOVED AND DISPOSED OF OFFSITE. MATERIALS USED TO CONSTRUCT TEMPORARY CONCRETE WASHOUT FACILITIES WILL BE REMOVED FROM THE SITE AND DISPOSED OF.



PLAN



SECTION

C-8 / C3.10 CONCRETE WASHOUT
N.T.S.

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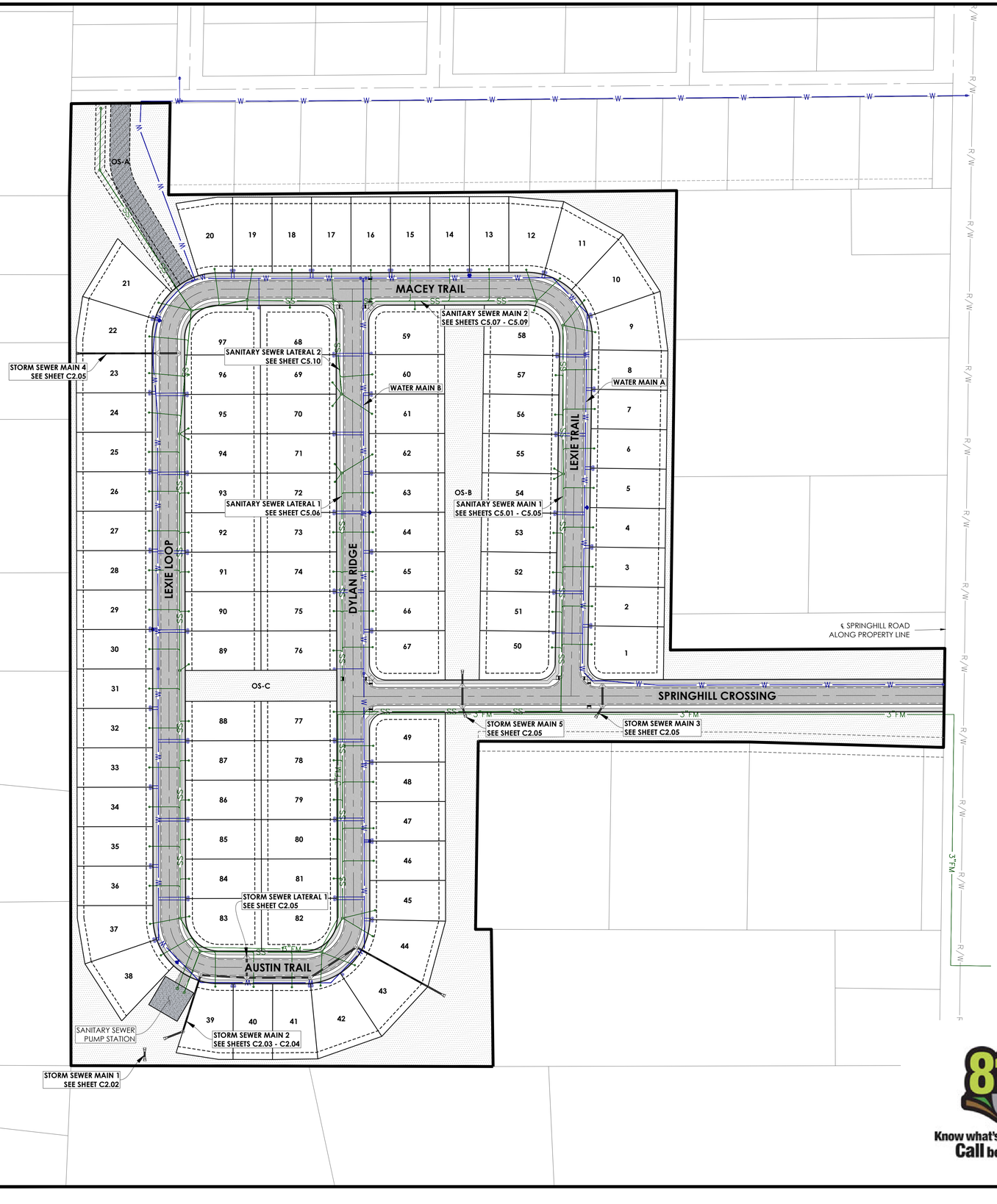
SWPPP DETAILS

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18898
CHRIS HOLLOWAY
8/26/26

CERTIFICATE OF AUTHORIZATION
Holloway Engineering, Surveying & Civil Design, PLLC
#1879
EXPIRES 6/30/27

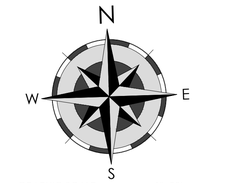
JOB NO.: 2026-071
DATE: 8/26/26
SHEET NUMBER:

C3.10



LEGEND

	BOUNDARY FINAL
R/W	BOUNDARY ADJOINER
R/W	RIGHT-OF-WAY
	EASEMENT
	BUILDING SETBACK
W	WATER LINE
SS	SANITARY SEWER LINE
UGE	UNDERGROUND ELECTRIC LINE
	STORM DRAINAGE PIPE
X-X	DRAINAGE STRUCTURE - NO.
	CURB INLET/JUNCTION BOX
M	WATER METER
	WATER VALVE
	FIRE HYDRANT
	SANITARY SEWER MANHOLE
	LIGHT POLE
E	ELECTRICAL BOX
	TELEPHONE PEDESTAL/RISER



GRAPHIC SCALE 1"=80'

80 0 80 160

UTILITY COORDINATION PLAN NOTES:

1. ALL WATER UTILITY CONSTRUCTION SHALL COMPLY WITH THE LATEST EDITION OF BRYANT WATER DISTRIBUTION'S STANDARD SPECIFICATIONS AND DETAILS.
2. ALL WATER MAINS TO BE DUCTILE IRON WATER PIPE, CLASS DETERMINED BY SIZE OF MAINS. ALL WATERLINE 3" OR GREATER SHALL BE CLASS 50 DUCTILE IRON & ALL WATERLINES LESS THAN 3" SHALL BE PVC SDR 17 RATED FOR 250 PSI.
3. ALL SEWER PIPE SHALL BE APPROVED SEWER PIPE AS SPECIFIED IN THE LATEST EDITION OF BRYANT WASTEWATER UTILITIES STANDARDS. ALL SEWER MAIN LINES 8" OR LARGER SHALL BE PVC SDR 26 & ALL 4"-6" SEWER SERVICE LINES SHALL BE PVC SDR 21. ALL SANITARY SEWER SERVICE LINES SHALL HAVE CLEANOUTS LOCATED EVERY 80 LF MIN. & AT EVERY CHANGE IN DIRECTION.
4. ALL WATER AND SEWER MAINS AND SERVICES CROSSING ROADWAYS ARE TO BE BACKFILLED WITH CLASS 7 AGGREGATE BASE COURSE AND COMPACTED WITH A SHEEPS FOOT VIBRATORY ROLLER AS DIRECTED IN THE SPECIFICATION BOOK.
5. ALL WATER MAINS ARE TO BE A MINIMUM OF 1' BELOW STORM DRAINS OR AS DIRECTED BY CENTRAL ARKANSAS WATER PERSONNEL. ALL UTILITIES SHALL HAVE 24" OF MIN. COVER & ALL WATERLINES SHALL HAVE 36" OF MIN. COVER.
6. CONTRACTOR WILL NEED TO CALCULATE THE EXACT NUMBER OF DUCTILE IRON FITTINGS THIS PROJECT REQUIRES.
7. CONTROL POINTS AND PROPERTY PINS EXCAVATED BY CONTRACTOR ARE TO BE REPLACED PRIOR TO FINAL PAYMENT.
8. ALL WATER MAINS ARE TO BE PRESSURE TESTED AT 200 PSI OR DOUBLE THE SYSTEM PRESSURE, WHICHEVER IS THE HIGHEST ACCORDING TO THE LATEST EDITION OF THE BRYANT WATER DISTRIBUTION'S STANDARDS AND SPECIFICATIONS.
9. ALL SEWER MAINS AND SERVICES ARE TO BE AIR TESTED AS STATED IN THE LATEST EDITION OF BRYANT WASTEWATER UTILITIES STANDARDS.
10. ALL PVC SEWER MAINS ARE TO BE MANDREL TESTED AS STATED IN THE LATEST EDITION OF BRYANT WASTEWATER UTILITIES STANDARDS.
11. ALL MANHOLES ARE TO BE VACUUM TESTED AS STATED IN THE LATEST EDITION OF BRYANT WASTEWATER UTILITIES STANDARDS.
12. WATER SERVICES ARE TO BE INSTALLED BY EXCAVATING WITH A TRENCHING DEVICE OR AS DIRECTED BY CENTRAL ARKANSAS WATER PERSONNEL.
13. ALL SEWER LINES AND MANHOLES SHALL BE DRY AND FREE OF ALL DEBRIS WHEN TESTING AND UPON ACCEPTANCE OF MANHOLES, MAINS AND SERVICES.
14. ALL EXISTING UTILITIES ARE TO BE LOCATED PRIOR TO ANY EXCAVATING.
15. CONTRACTOR SHALL DISPOSE OF ALL TREES AND BRUSH EXCAVATED IN THIS PROJECT. THE COST OF CLEARING AND DISPOSING TREES AND BRUSH IS TO BE INCLUDED IN THE PRICE FOR TRENCHING.
16. ALL SEWER PIPE SHALL BE ENCASED IN CLEAN WASHED STONE OR CRUSHED STONE OF 3/4" MAXIMUM SIZE.
17. THE COST OF ALL STUB OUTS, WATER TIGHT PLUGS, CAPS AND WATERTIGHT GASKETS IN MANHOLES ARE TO BE INCLUDED IN PRICE OF MANHOLES.
18. ALL FIRE HYDRANT LEADS ARE TO BE INCLUDED IN THE PRICE OF FIRE HYDRANTS.
19. RETAINER GLANDS WITH SET SCREWS ARE TO BE USED ON ALL DUCTILE IRON WATER MAIN FITTINGS.
20. ALL WATER AND SEWER SERVICES ARE TO BE MARKED WITH PAINTED 2" PLASTIC PIPE.
21. ROCK EXCAVATION AS A PAY ITEM WILL INCLUDE ONLY THAT MATERIAL WHICH, IN THE OPINION OF THE ENGINEER, CAN NOT BE EXCAVATED EFFICIENTLY WITHOUT BLASTING OR USING A HYDRAULIC JACKHAMMER.
22. REVIEW TRENCH SAFETY, AS A PAY ITEM, AS DESCRIBED IN THE SPECIFICATION BOOK.
23. ALL TREES THAT DO NOT DIRECTLY INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE SPARED AS DIRECTED BY THE ENGINEER. CARE AND DISCRETION SHALL BE USED TO ENSURE THAT ALL TREES NOT TO BE REMOVED SHALL BE HARMED AS LITTLE AS POSSIBLE DURING THE CONSTRUCTION OPERATIONS.
24. A MINIMUM HORIZONTAL DISTANCE OF TEN FEET SHOULD BE MAINTAINED BETWEEN WATER LINES AND SEWER LINES. WATER MAINS NECESSARILY IN CLOSE PROXIMITY TO SEWERS MUST BE PLACED SO THAT THE BOTTOM OF THE WATER LINE WILL BE AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER LINE AT ITS HIGHEST POINT. IF THIS DISTANCE MUST UNAVOIDABLY BE REDUCED, THE WATER LINE OR THE SEWER LINE MUST BE ENCASED IN WATERTIGHT PIPE WITH SEALED WATERTIGHT ENDS EXTENDING AT LEAST TEN FEET EITHER SIDE OF THE CROSSING. ANY JOINT IN THE ENCASEMENT PIPE IS TO BE MECHANICALLY RESTRAINED. THE ENCASEMENT PIPE MAY BE VENTED TO THE SURFACE IF CARRYING WATER OR SEWER UNDER PRESSURE. WHERE A WATER LINE MUST UNAVOIDABLY PASS BENEATH THE SEWER LINE, AT LEAST 18 INCHES OF SEPARATION MUST BE MAINTAINED BETWEEN THE OUTSIDE OF THE TWO PIPES IN ADDITION TO THE PRECEDING ENCASEMENT REQUIREMENT. EXCEPTIONS TO THIS MUST BE APPROVED IN WRITING BY THE ARKANSAS DEPARTMENT OF HEALTH. A MINIMUM HORIZONTAL DISTANCE OF THREE FEET SHALL BE MAINTAINED BETWEEN WATER LINES AND OTHER UNDERGROUND UTILITIES OF A NON SANITARY NATURE (GAS, ELECTRIC, ETC.). EXCEPTIONS TO THIS MUST BE APPROVED IN WRITING BY THE ARKANSAS DEPARTMENT OF HEALTH AND HUMAN SERVICES.

Know what's below. Call before you dig.

CAUTION: UNDERGROUND UTILITIES EXIST WITHIN AND ADJACENT TO THE LIMITS OF CONSTRUCTION AND AN ATTEMPT HAS BEEN MADE TO LOCATE THESE UTILITIES ON THE PLANS. HOWEVER, ALL EXISTING UTILITIES MAY NOT BE SHOWN AND THE ACTUAL LOCATIONS OF THE UTILITIES MAY VARY FROM THE LOCATIONS SHOWN. PRIOR TO BEGINNING ANY TYPE OF EXCAVATION, THE CONTRACTOR SHALL CONTACT THE UTILITIES INVOLVED AND MAKE ARRANGEMENTS FOR THE LOCATION OF THE UTILITIES ON THE GROUND. THE CONTRACTOR SHALL MAINTAIN THE UTILITY LOCATION MARKINGS UNTIL THEY ARE NO LONGER NECESSARY.

ARKANSAS STATE LAW, THE UNDERGROUND FACILITIES DAMAGE PREVENTION ACT, REQUIRES TWO WORKING DAYS ADVANCE NOTIFICATION THROUGH THE ARKANSAS ONE-CALL SYSTEM CENTER BEFORE EXCAVATING USING MECHANIZED EQUIPMENT OR EXPLOSIVES (EXCEPT IN THE CASE OF AN EMERGENCY). THE ONE-CALL SYSTEM PHONE NUMBER IS 1-800-482-8998. THE CONTRACTOR IS ADVISED THAT THERE IS A SEVERE PENALTY FOR NOT MAKING THIS CALL. NOT ALL UTILITY COMPANIES ARE MEMBERS OF THE ARKANSAS ONE-CALL SYSTEM; THEREFORE, THE CONTRACTOR IS ADVISED TO CONTACT ALL NON-MEMBER UTILITIES, AS WELL AS THE ONE-CALL SYSTEM.

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UTILITY COORDINATION PLAN

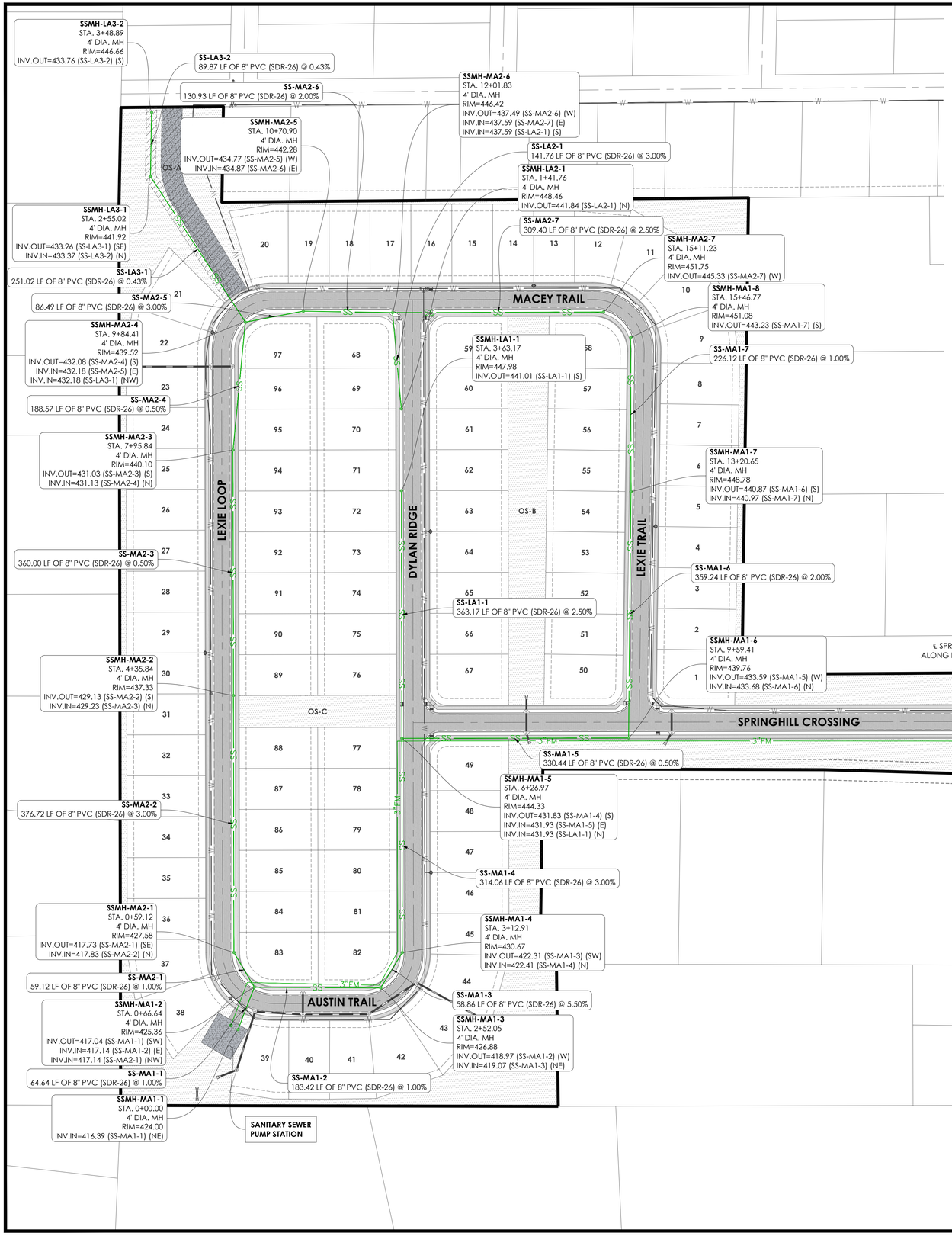
STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18898
CHRIS HOLLOWAY

8/26/26

CERTIFICATE OF AUTHORIZATION
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ARKANSAS ENGINEER

JOB NO.: 2026-071
DATE: 8/26/26
SHEET NUMBER:

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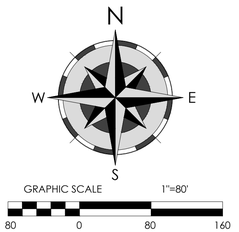
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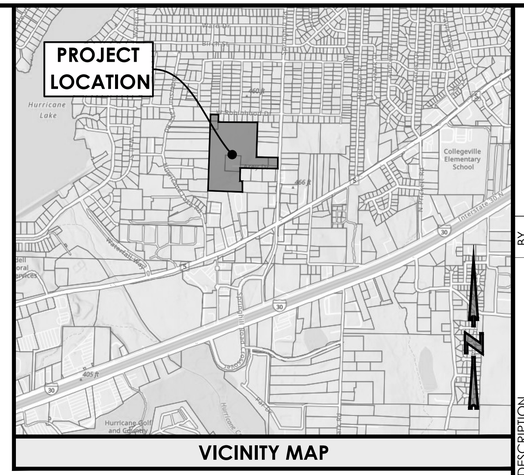
BRYANT, SALINE COUNTY, ARKANSAS

SANITARY SEWER PLANS

August 2026

HOLLOWAY ENGINEERING JOB NO. 2026-071





VICINITY MAP

SANITARY SEWER NOTES:

1. CONTRACTOR TO NOTIFY "ARKANSAS ONE-CALL" AND ALL UTILITY, CABLE COMPANIES, ETC. PRIOR TO COMMENCING ANY EXCAVATION. DIAL 811.
2. SEWER LINE CONSTRUCTION TO BE IN ACCORDANCE WITH ALL AHJ STANDARD SPECIFICATIONS AND STANDARD DETAILS AS SUBMITTED FOR THE PROJECT.
3. ALL SEWER LINE MAIN CONSTRUCTION TO BE PVC (SDR-26) OR AS NOTED ON PLANS.
4. A MINIMUM HORIZONTAL DISTANCE OF TEN FEET SHOULD BE MAINTAINED BETWEEN WATER LINES AND SEWER LINES. WATER MAINS NECESSARILY IN CLOSE PROXIMITY TO SEWERS MUST BE PLACED SO THAT THE BOTTOM OF THE WATER LINE WILL BE AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER LINE AT ITS HIGHEST POINT. IF THIS DISTANCE MUST UNAVOIDABLY BE REDUCED, THE WATER LINE OR THE SEWER LINE MUST BE ENCASED IN WATERTIGHT PIPE WITH SEALED WATERTIGHT ENDS EXTENDING AT LEAST TEN FEET EITHER SIDE OF THE CROSSING. ANY JOINT IN THE ENCASEMENT PIPE IS TO BE MECHANICALLY RESTRAINED. THE ENCASEMENT PIPE MAY BE VENTED TO THE SURFACE IF CARRYING WATER OR SEWER UNDER PRESSURE. WHERE A WATER LINE MUST UNAVOIDABLY PASS BENEATH THE SEWER LINE, AT LEAST 18 INCHES OF SEPARATION MUST BE MAINTAINED BETWEEN THE OUTSIDE OF THE TWO PIPES IN ADDITION TO THE PRECEDING ENCASEMENT REQUIREMENT. EXCEPTIONS TO THIS MUST BE APPROVED IN WRITING BY THE ARKANSAS DEPARTMENT OF HEALTH. A MINIMUM HORIZONTAL DISTANCE OF THREE FEET SHALL BE MAINTAINED BETWEEN WATER LINES AND OTHER UNDERGROUND UTILITIES OF A NON SANITARY NATURE (GAS, ELECTRIC, ETC.). EXCEPTIONS TO THIS MUST BE APPROVED IN WRITING BY THE ARKANSAS DEPARTMENT OF HEALTH AND HUMAN SERVICES.
5. ALL CONSTRUCTION TO COMPLY WITH CURRENT EDITIONS OF ALL APPLICABLE BUILDING, ELECTRIC & FIRE CODE, IN ADDITION TO ANY LOCAL, REGIONAL OR NATIONAL CODE REQUIREMENTS AND MANUFACTURER'S RECOMMENDED SPECIFICATIONS.
6. ALL EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE.
7. SEWER SERVICE LINES TO BE CAST IRON OR SDR-26. IF SDR-26 IS USED FOR THE SERVICE LINES IT SHALL BE INSTALLED IN 6" OF #57 GRAVEL ON ALL SIDES OF THE PIPE. ALL SERVICE ENDS TO BE MARKED WITH T-POST TO EXTEND AT LEAST 4' ABOVE FINISHED GRADE. SEWER STUBS TO HAVE A MAXIMUM 5' DEPTH WHERE TERMINATED.

SANITARY SEWER PIPE TABLE

NAME	SIZE / PIPE MATERIAL	LENGTH	SLOPE %
SS-LA1-1	8" PVC (SDR-26)	363.17'	2.50%
SS-LA2-1	8" PVC (SDR-26)	141.76'	3.00%
SS-LA3-1	8" PVC (SDR-26)	251.02'	0.43%
SS-LA3-2	8" PVC (SDR-26)	89.87'	0.43%
SS-MA1-1	8" PVC (SDR-26)	64.64'	1.00%
SS-MA1-2	8" PVC (SDR-26)	183.42'	1.00%
SS-MA1-3	8" PVC (SDR-26)	58.86'	5.50%
SS-MA1-4	8" PVC (SDR-26)	314.06'	3.00%
SS-MA1-5	8" PVC (SDR-26)	330.44'	0.50%
SS-MA1-6	8" PVC (SDR-26)	359.24'	2.00%
SS-MA1-7	8" PVC (SDR-26)	226.12'	1.00%
SS-MA2-1	8" PVC (SDR-26)	59.12'	1.00%
SS-MA2-2	8" PVC (SDR-26)	376.72'	3.00%
SS-MA2-3	8" PVC (SDR-26)	360.00'	0.50%
SS-MA2-4	8" PVC (SDR-26)	188.57'	0.50%
SS-MA2-5	8" PVC (SDR-26)	86.49'	3.00%
SS-MA2-6	8" PVC (SDR-26)	130.93'	2.00%
SS-MA2-7	8" PVC (SDR-26)	309.40'	2.50%

SANITARY SEWER STRUCTURE TABLE

STRUCTURE NAME	DETAILS	PIPES IN	PIPES OUT	DEPTH
SSMH-LA1-1	RIM ELEV. = 447.98		SS-LA1-1, 8" PVC INV OUT =441.01	6.97
SSMH-LA2-1	RIM ELEV. = 448.46		SS-LA2-1, 8" PVC INV OUT =441.84	6.62
SSMH-LA3-1	RIM ELEV. = 441.92	SS-LA3-2, 8" PVC INV IN =433.37	SS-LA3-1, 8" PVC INV OUT =433.26	8.65
SSMH-LA3-2	RIM ELEV. = 446.66		SS-LA3-2, 8" PVC INV OUT =433.76	12.89
SSMH-MA1-1	RIM ELEV. = 424.00	SS-MA1-1, 8" PVC INV IN =416.39		7.61
SSMH-MA1-2	RIM ELEV. = 425.36	SS-MA1-2, 8" PVC INV IN =417.14 SS-MA2-1, 8" PVC INV IN =417.14	SS-MA1-1, 8" PVC INV OUT =417.04	8.32
SSMH-MA1-3	RIM ELEV. = 426.88	SS-MA1-3, 8" PVC INV IN =419.07	SS-MA1-2, 8" PVC INV OUT =418.97	7.91
SSMH-MA1-4	RIM ELEV. = 430.67	SS-MA1-4, 8" PVC INV IN =422.41	SS-MA1-3, 8" PVC INV OUT =422.31	8.36
SSMH-MA1-5	RIM ELEV. = 444.33	SS-MA1-5, 8" PVC INV IN =431.93 SS-LA1-1, 8" PVC INV IN =431.93	SS-MA1-4, 8" PVC INV OUT =431.83	12.49
SSMH-MA1-6	RIM ELEV. = 439.76	SS-MA1-6, 8" PVC INV IN =433.68	SS-MA1-5, 8" PVC INV OUT =433.59	6.17
SSMH-MA1-7	RIM ELEV. = 448.78	SS-MA1-7, 8" PVC INV IN =440.97	SS-MA1-6, 8" PVC INV OUT =440.87	7.91
SSMH-MA1-8	RIM ELEV. = 451.08		SS-MA1-7, 8" PVC INV OUT =443.23	7.85
SSMH-MA2-1	RIM ELEV. = 427.58	SS-MA2-2, 8" PVC INV IN =417.83	SS-MA2-1, 8" PVC INV OUT =417.73	9.85
SSMH-MA2-2	RIM ELEV. = 437.33	SS-MA2-3, 8" PVC INV IN =429.23	SS-MA2-2, 8" PVC INV OUT =429.13	8.20
SSMH-MA2-3	RIM ELEV. = 440.10	SS-MA2-4, 8" PVC INV IN =431.13	SS-MA2-3, 8" PVC INV OUT =431.03	9.07
SSMH-MA2-4	RIM ELEV. = 439.52	SS-MA2-5, 8" PVC INV IN =432.18 SS-LA3-1, 8" PVC INV IN =432.18	SS-MA2-4, 8" PVC INV OUT =432.08	7.44
SSMH-MA2-5	RIM ELEV. = 442.28	SS-MA2-6, 8" PVC INV IN =434.87	SS-MA2-5, 8" PVC INV OUT =434.77	7.51
SSMH-MA2-6	RIM ELEV. = 446.42	SS-MA2-7, 8" PVC INV IN =437.59 SS-LA2-1, 8" PVC INV IN =437.59	SS-MA2-6, 8" PVC INV OUT =437.49	8.93
SSMH-MA2-7	RIM ELEV. = 451.75		SS-MA2-7, 8" PVC INV OUT =445.33	6.42

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SPRINGHILL CROSSING
BRYANT, SALINE COUNTY, ARKANSAS
SANITARY SEWER OVERVIEW

STATE OF ARKANSAS
DARYL HOLLOWAY
LICENSED PROFESSIONAL ENGINEER
No. 18898
8/26/26

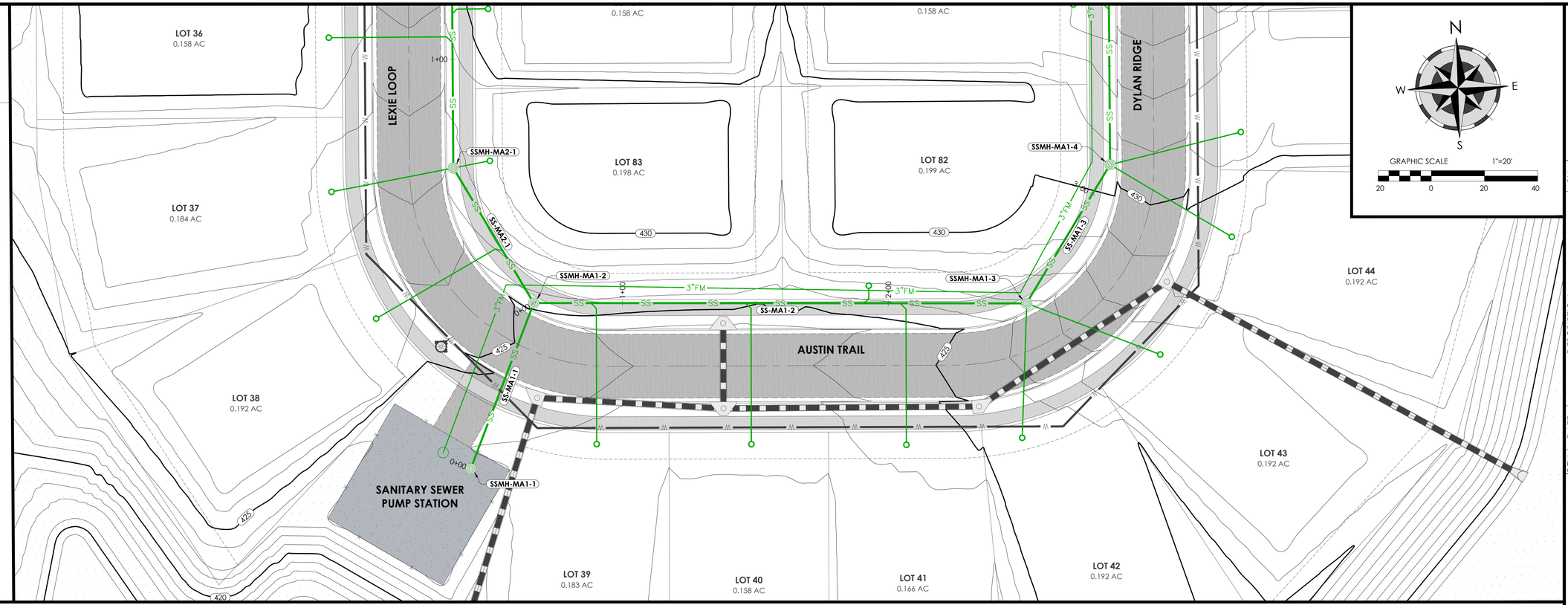
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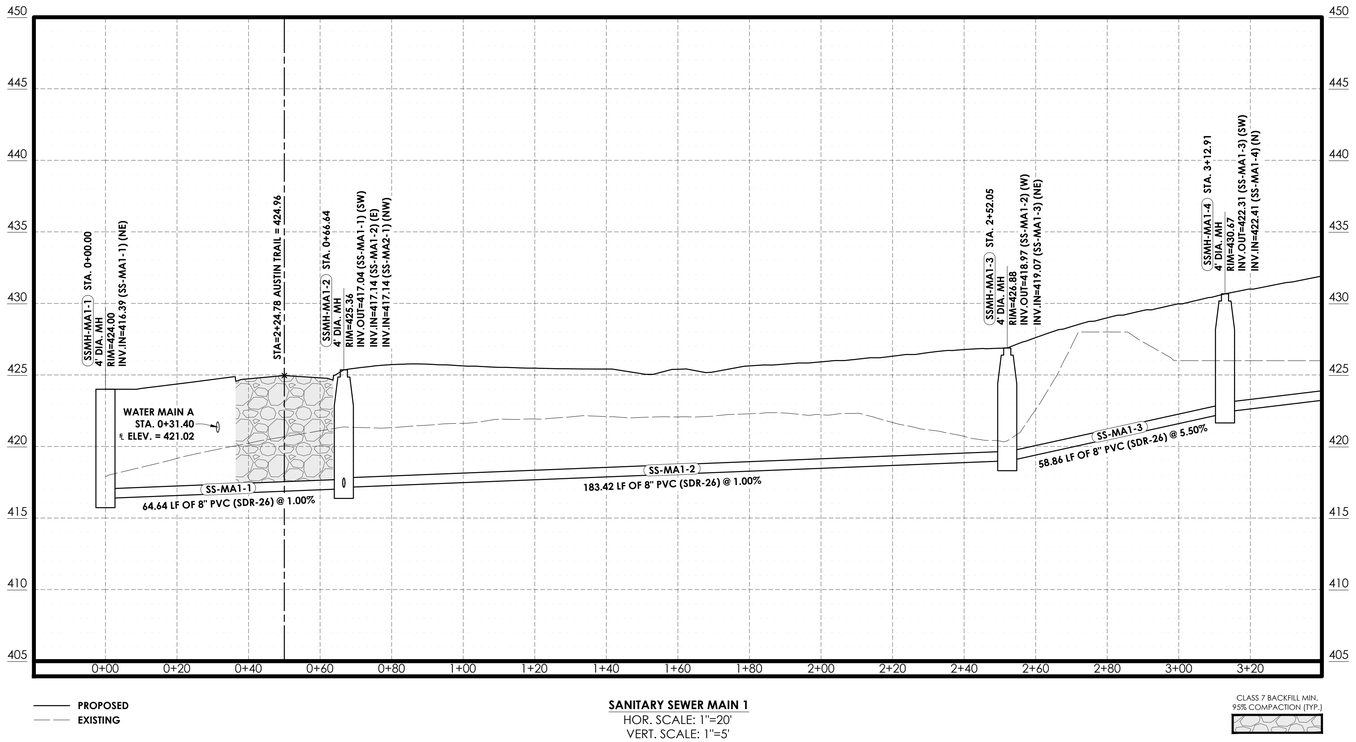
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L:\2026\2026-071 - Daryl Bryant 26 Ac project\Drawings\Sheets\C5.00 SANITARY SEWER OVERVIEW.dwg

PLAN VIEW - SCALE 1"=20'



PROFILE VIEW - SCALE 1"=20'



PROPOSED
EXISTING

SANITARY SEWER MAIN 1
HOR. SCALE: 1"=20'
VERT. SCALE: 1"=5'

CLASS 7 BACKFILL MIN.
95% COMPACTION (TYP.)

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SANITARY SEWER P&P MAIN 1 (1 OF 5)

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18898
TODD HOLLOWAY
8/26/26

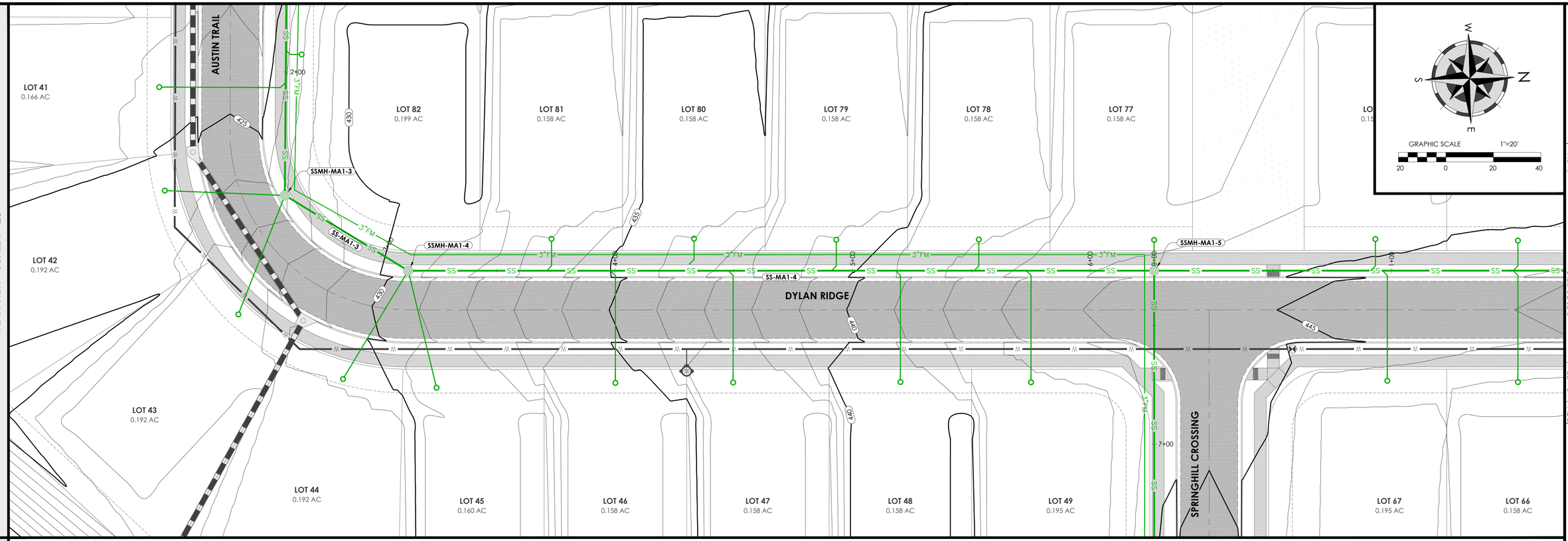
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PLAN VIEW - SCALE 1"=20'



PROFILE VIEW - SCALE 1"=20'

PROPOSED
EXISTING

SANITARY SEWER MAIN 1
HOR. SCALE: 1"=20'
VERT. SCALE: 1"=5'

CLASS 7 BACKFILL MIN. 95% COMPACTION (TYP.)

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SANITARY SEWER P&P MAIN 1 (2 OF 5)

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18898
TROY HOLLOWAY
8/26/26

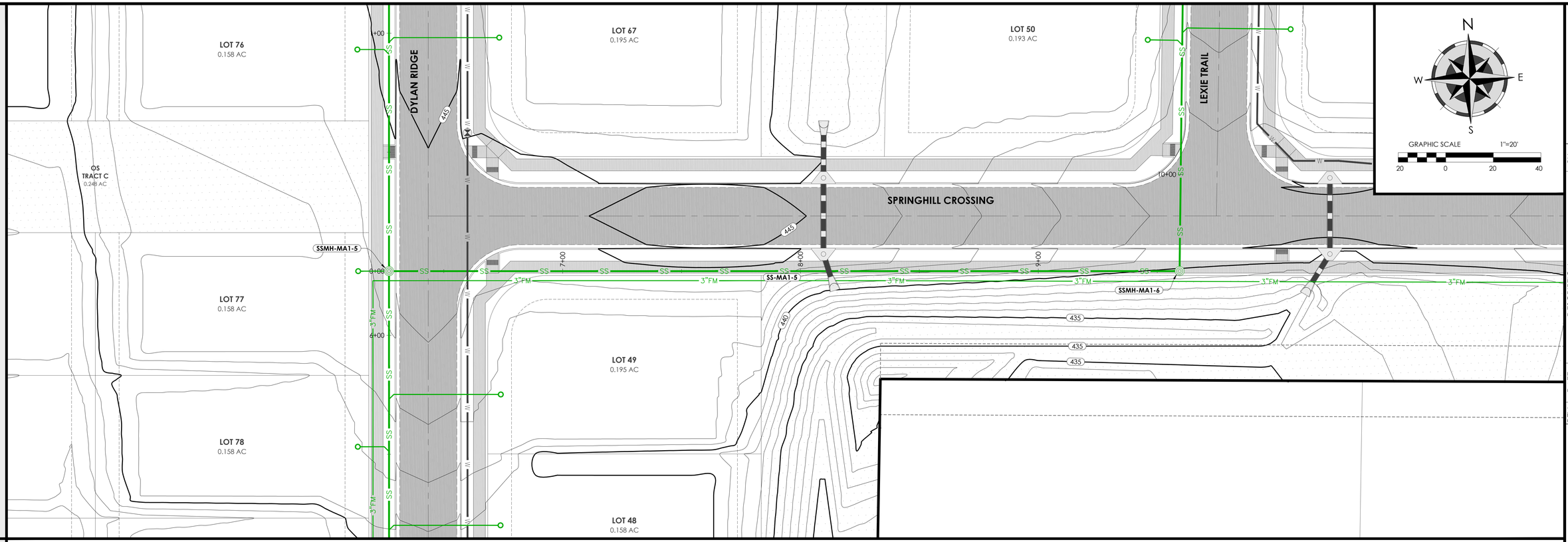
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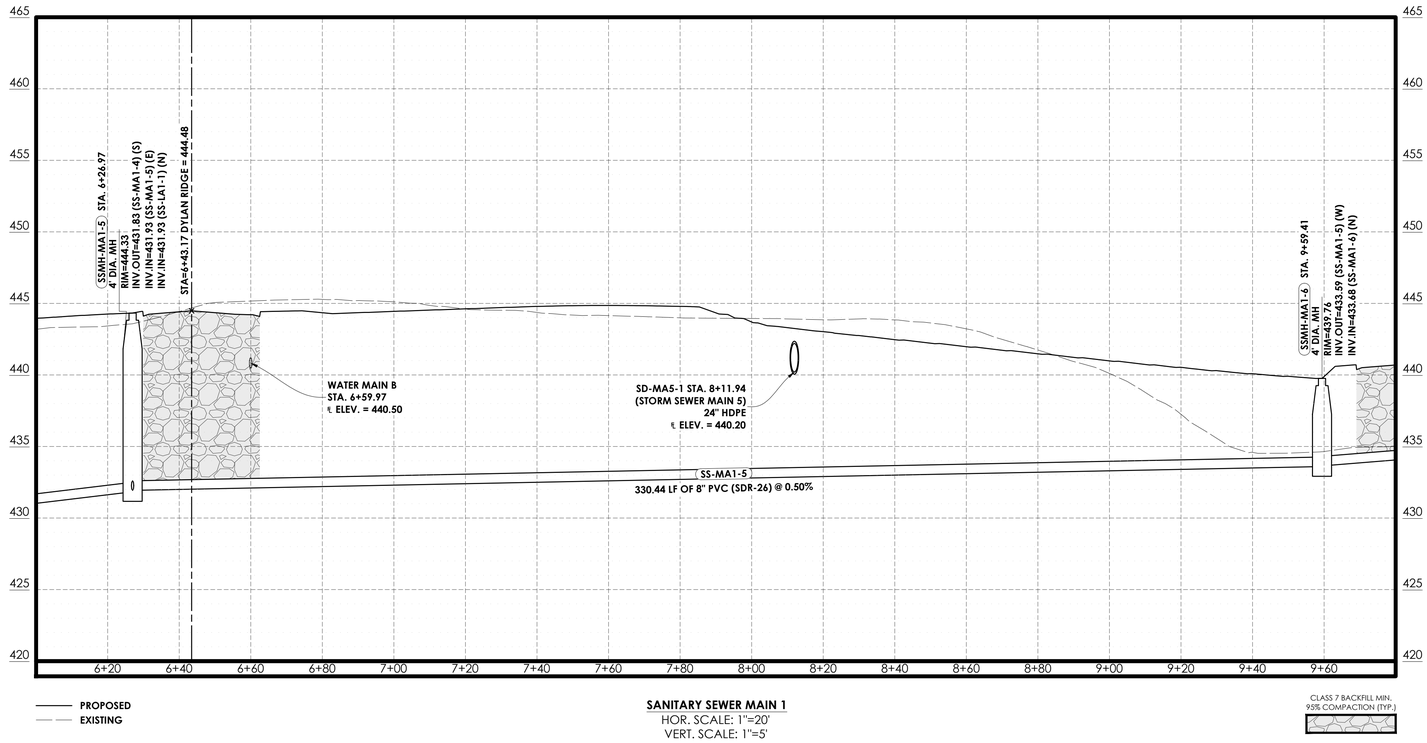
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PLAN VIEW - SCALE 1"=20'



PROFILE VIEW - SCALE 1"=20'



PROPOSED
EXISTING

SANITARY SEWER MAIN 1
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VERT. SCALE: 1"=5'

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SANITARY SEWER P&P MAIN 1 (3 OF 5)

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No. 18898
DARYL HOLLOWAY
8/26/26

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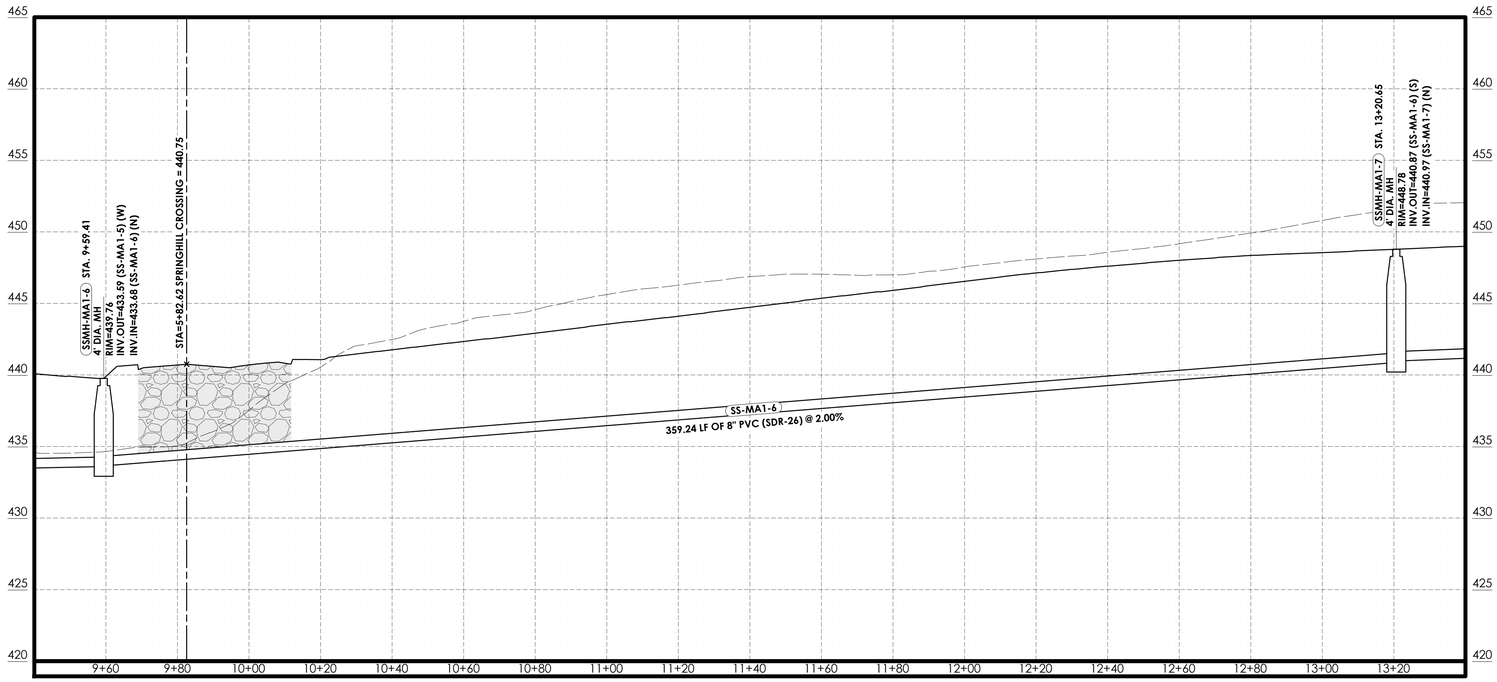
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PROFILE VIEW - SCALE 1"=20'



PROPOSED
EXISTING

SANITARY SEWER MAIN 1
HOR. SCALE: 1"=20'
VERT. SCALE: 1"=5'

CLASS 7 BACKFILL MIN.
95% COMPACTION (TYP.)

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SANITARY SEWER P&P MAIN 1 (4 OF 5)

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18898
TROY HOLLOWAY
8/26/26

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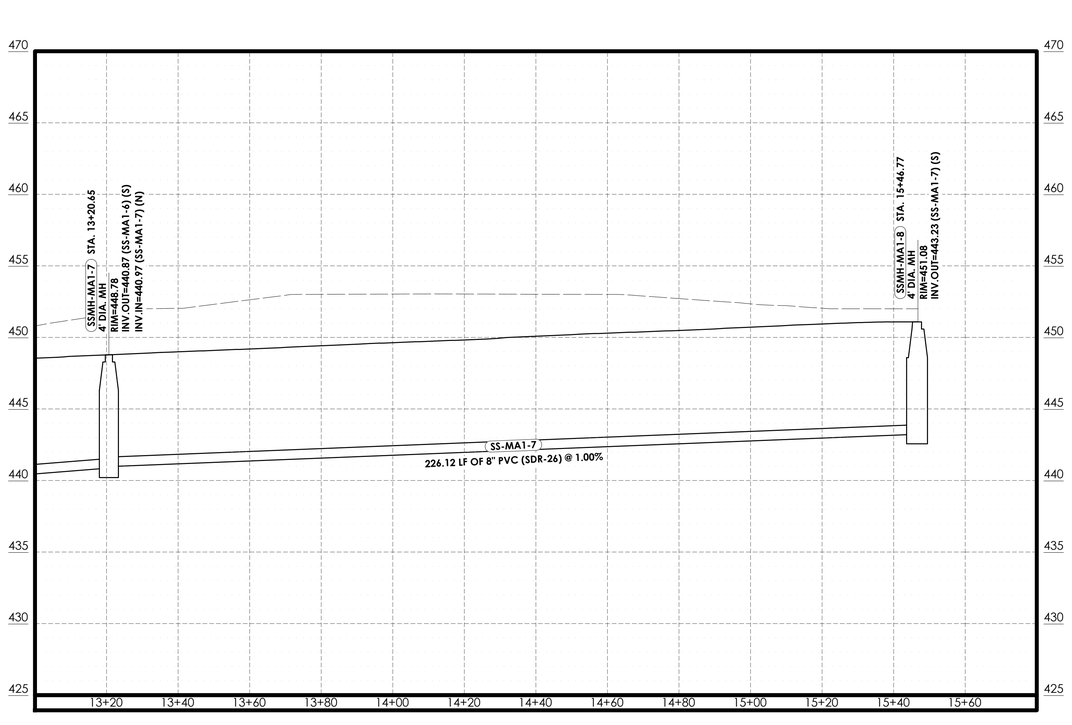
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PLAN VIEW - SCALE 1"=20'



PROFILE VIEW - SCALE 1"=20'



PROPOSED
EXISTING

SANITARY SEWER MAIN 1
HOR. SCALE: 1"=20'
VERT. SCALE: 1"=5'

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SANITARY SEWER P&P MAIN 1 (5 OF 5)

STATE OF ARKANSAS
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No. 18898
JOSH HOLLOWAY
8/26/26

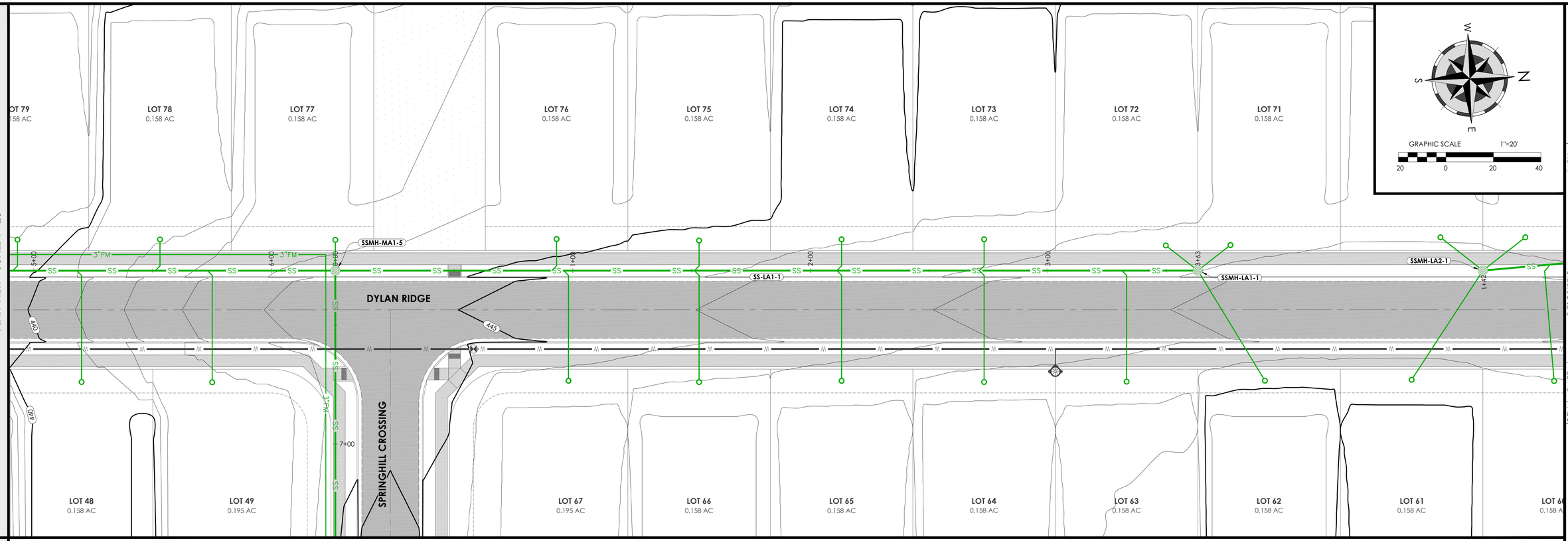
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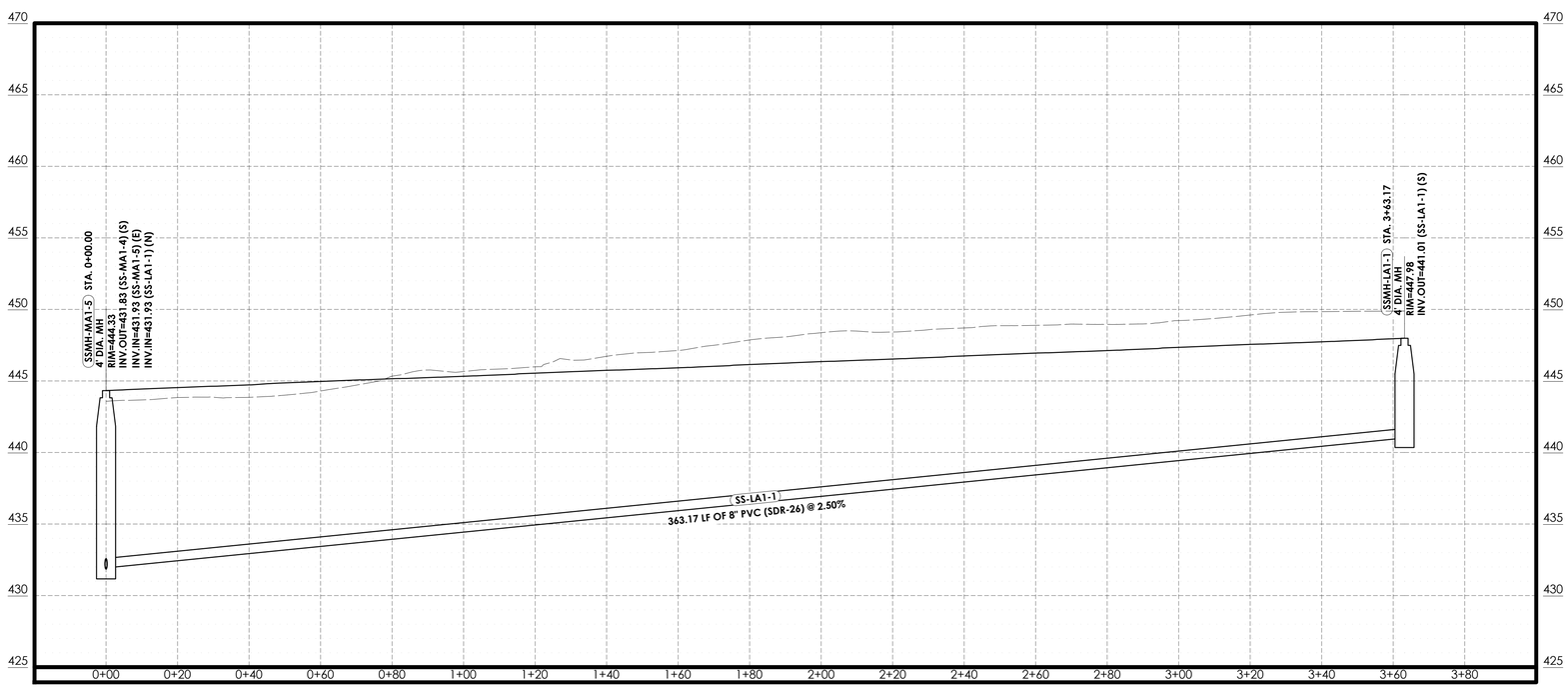
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PLAN VIEW - SCALE 1"=20'



PROFILE VIEW - SCALE 1"=20'



SANITARY SEWER LATERAL 1
HOR. SCALE: 1"=20'
VERT. SCALE: 1"=5'

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SANITARY SEWER P&P LATERAL 1

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ERIC HOLLOWAY
8/26/26

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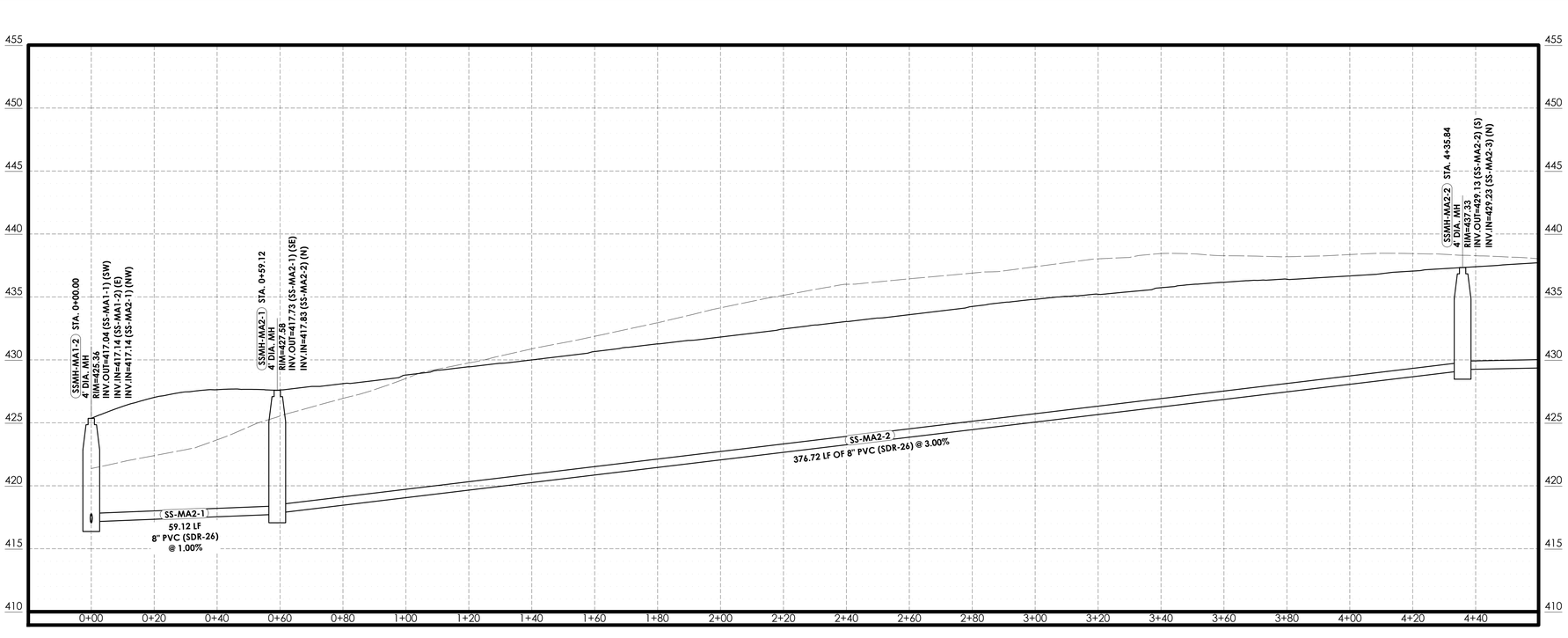
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PLAN VIEW - SCALE 1"=20'



PROFILE VIEW - SCALE 1"=20'



SANITARY SEWER MAIN 2
HOR. SCALE: 1"=20'
VERT. SCALE: 1"=5'

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SANITARY SEWER P&P MAIN 2 (1 OF 3)

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JOEL HOLLOWAY
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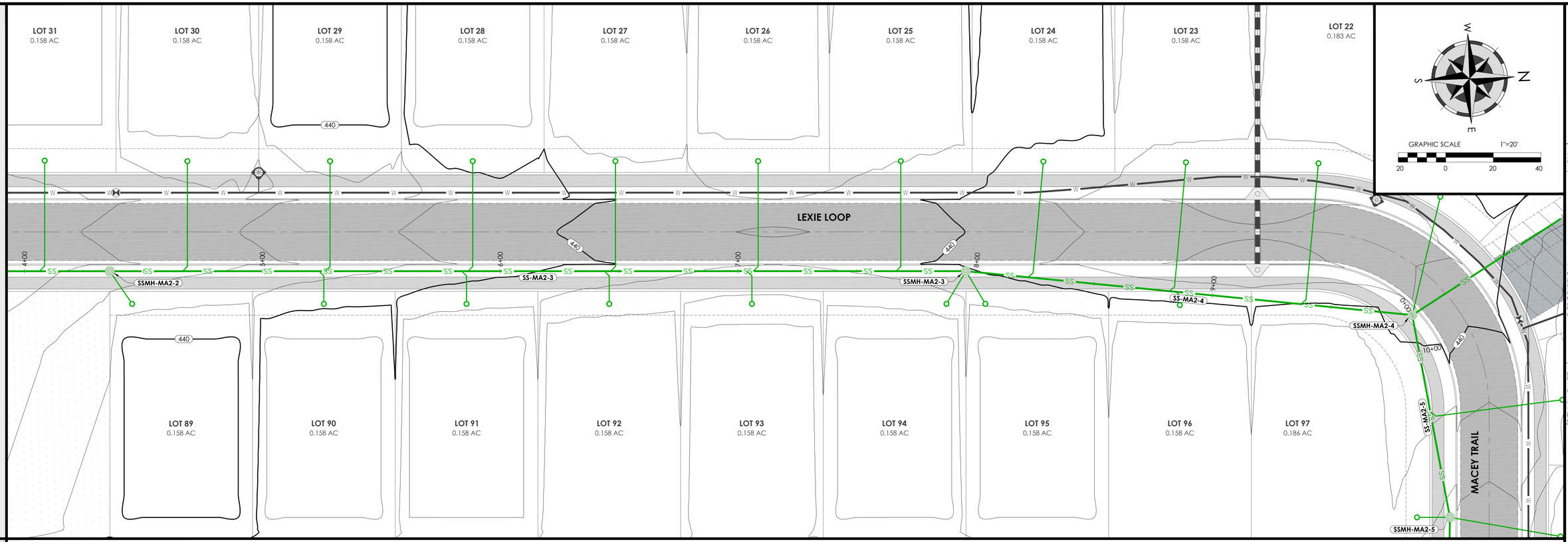
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DATE: 8/26/26
SHEET NUMBER:

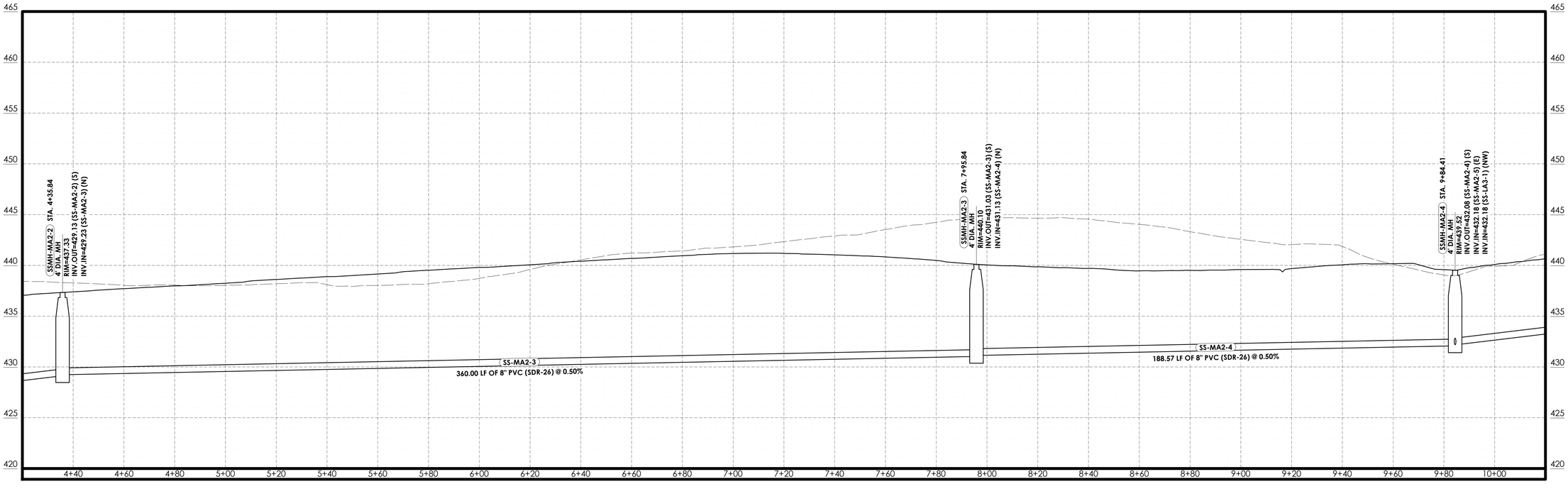
C5.07

L:\2026\2026-071 - Daryl Bryant 26 Ac project\Drawings\Sheets\C5.00 SANITARY SEWER OVERVIEW.dwg

PLAN VIEW - SCALE 1"=20'



PROFILE VIEW - SCALE 1"=20'



PROPOSED
EXISTING

SANITARY SEWER MAIN 2
HOR. SCALE: 1"=20'
VERT. SCALE: 1"=5'

Holloway Engineering,
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(501) 851-3366
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REV.	DATE	DESCRIPTION	BY

SPRINGHILL CROSSING
BRYANT, SALINE COUNTY, ARKANSAS

SANITARY SEWER P&P MAIN 2 (2 OF 3)

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18898
TROY HOLLOWAY
8/26/26

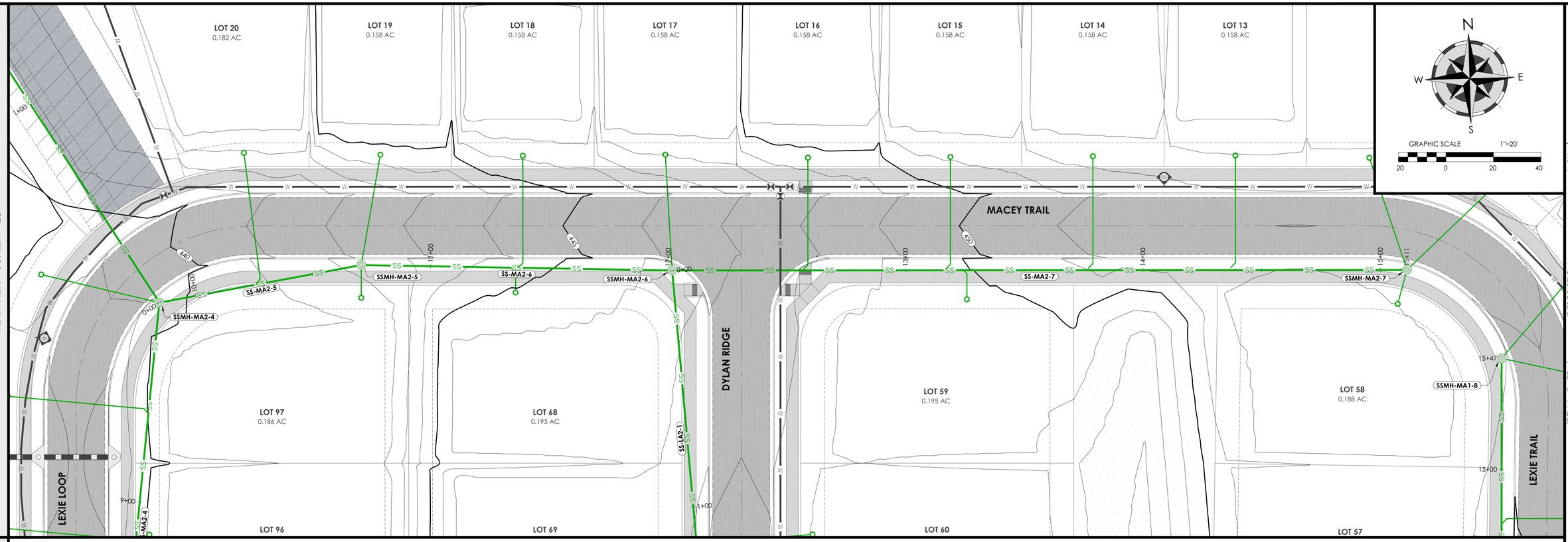
CERTIFICATE OF AUTHORIZATION
Holloway Engineering, Surveying & Civil Design, PLLC
#1879
ARKANSAS ENGINEERING

JOB NO.: 2026-071
DATE: 8/26/26
SHEET NUMBER:

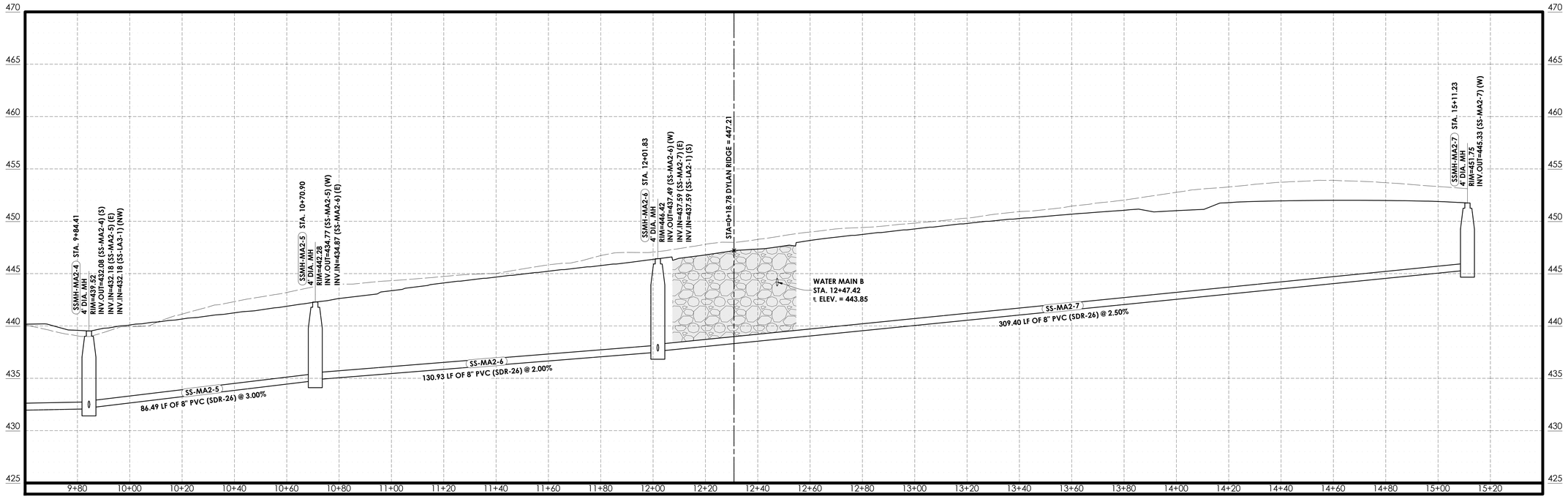
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PLAN VIEW - SCALE 1"=20'



PROFILE VIEW - SCALE 1"=20'



PROPOSED
EXISTING

SANITARY SEWER MAIN 2
HOR. SCALE: 1"=20'
VERT. SCALE: 1"=5'

CLASS 7 BACKFILL MIN.
95% COMPACTION (TYP.)

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REV.	DATE	DESCRIPTION	BY

SPRINGHILL CROSSING
BRYANT, SALINE COUNTY, ARKANSAS

SANITARY SEWER P&P MAIN 2 (3 OF 3)

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18898
TROY HOLLOWAY
8/26/26

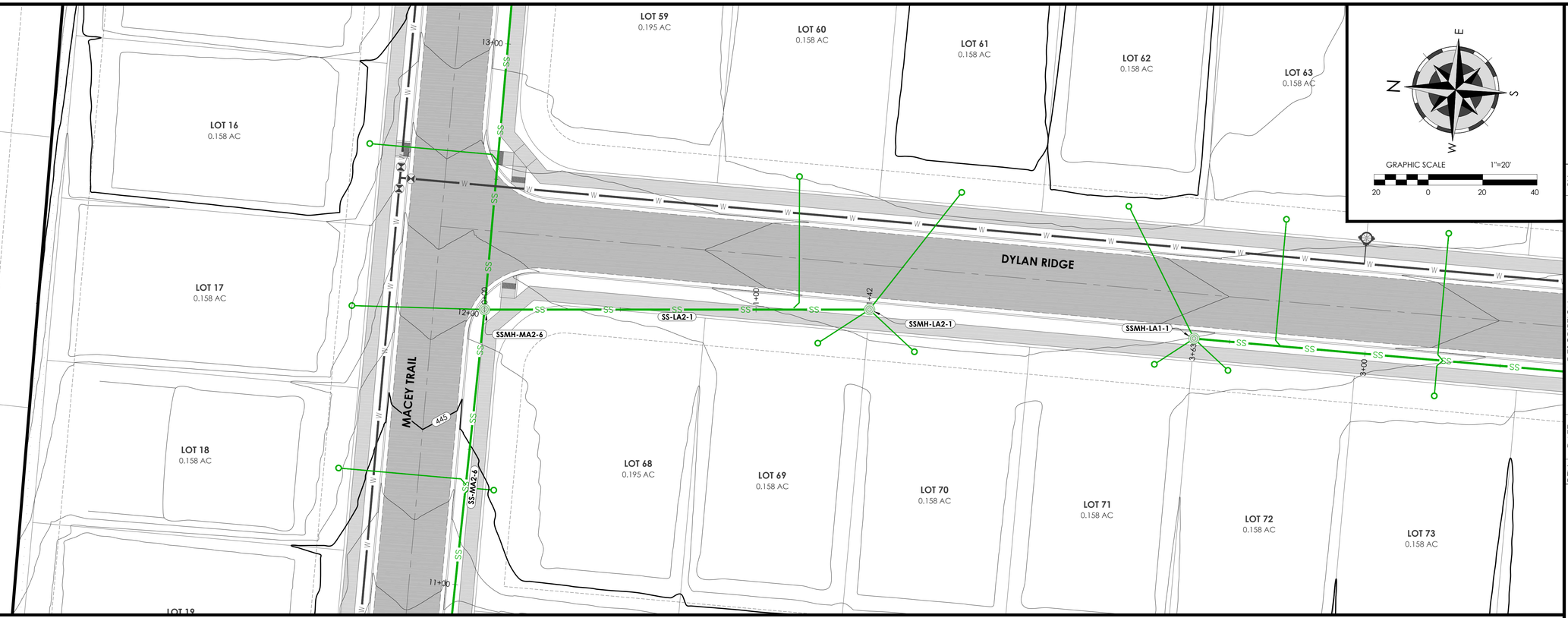
CERTIFICATE OF AUTHORIZATION
Holloway Engineering, Surveying & Civil Design, PLLC
#1879
EXPIRES: 6/30/2027

JOB NO.: 2026-071
DATE: 8/26/26
SHEET NUMBER:

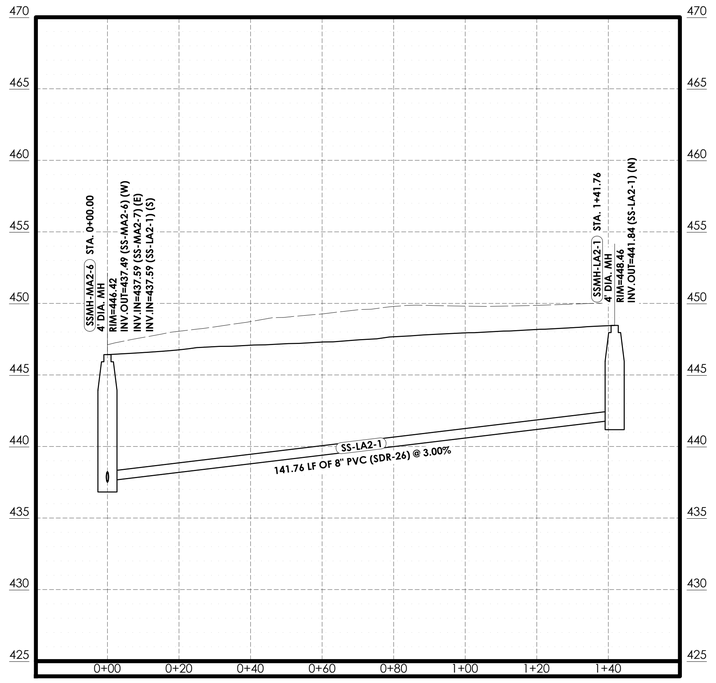
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PLAN VIEW - SCALE 1"=20'



PROFILE VIEW - SCALE 1"=20'



PROPOSED
EXISTING

SANITARY SEWER LATERAL 2
HOR. SCALE: 1"=20'
VERT. SCALE: 1"=5'

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SPRINGHILL CROSSING
BRYANT, SALINE COUNTY, ARKANSAS

SANITARY SEWER P&P LATERAL 2

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18698
ERIC HOLLOWAY
8/26/26

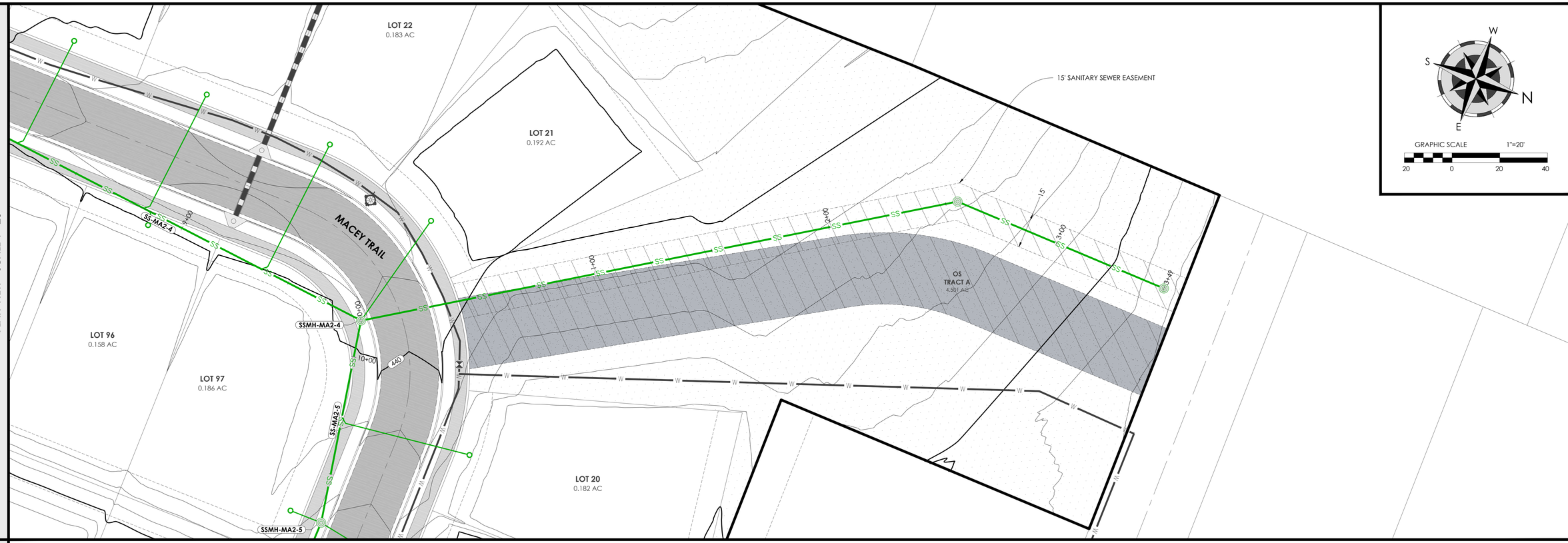
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Holloway Engineering, Surveying & Civil Design, PLLC
#1879
ARKANSAS - ENGINEERING

JOB NO.: 2026-071
DATE: 8/26/26
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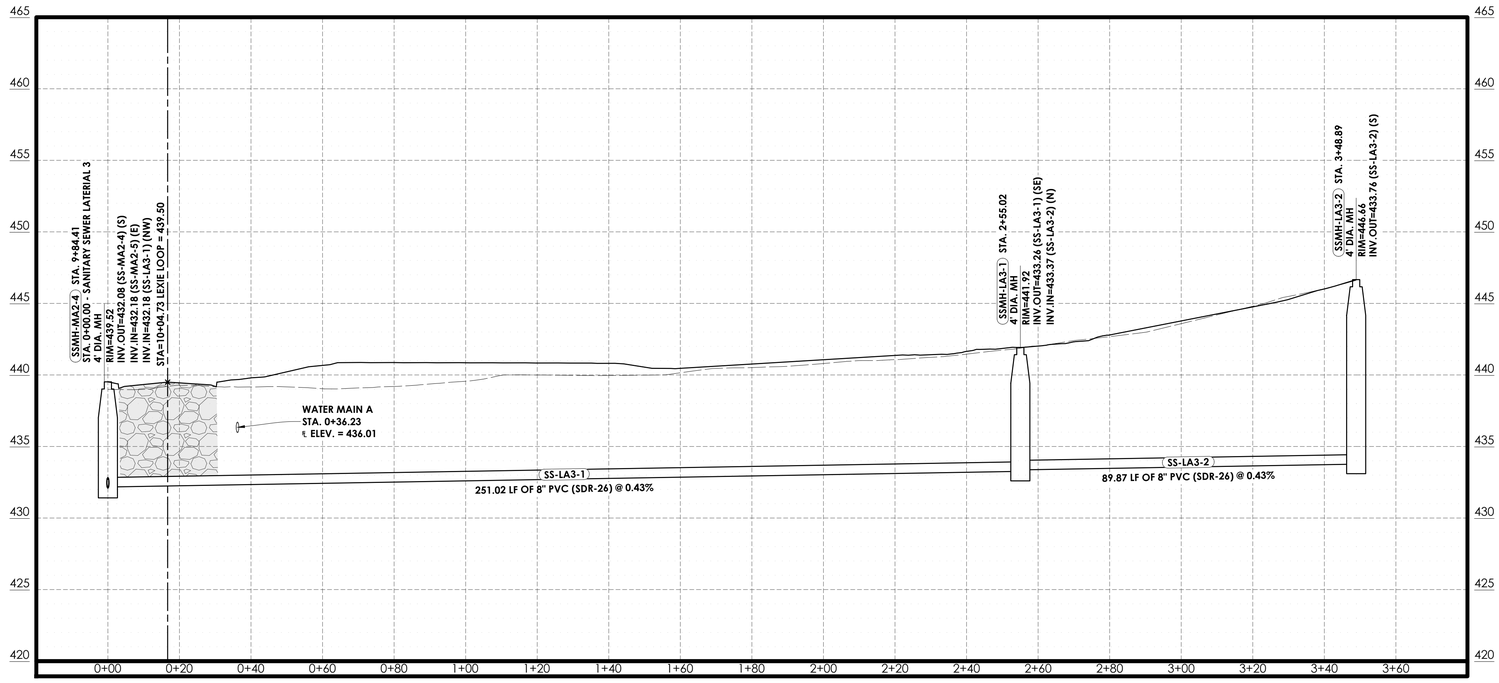
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PLAN VIEW - SCALE 1"=20'



PROFILE VIEW - SCALE 1"=20'



PROPOSED
EXISTING

SANITARY SEWER LATERIAL 3
HOR. SCALE: 1"=20'
VERT. SCALE: 1"=5'

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BRYANT, SALINE COUNTY, ARKANSAS

SANITARY SEWER P&P LATERAL 3

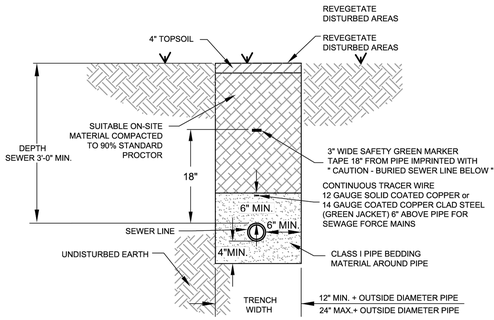
STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18698
ERIC HOLLOWAY
8/26/26

CERTIFICATE OF AUTHORIZATION
Holloway Engineering, Surveying & Civil Design, PLLC
#1879
ARKANSAS - ENGINEERING

JOB NO.: 2026-071
DATE: 8/26/26
SHEET NUMBER:

C5.11

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NOTES:

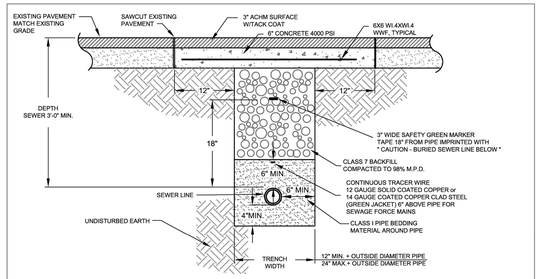
1. THE CONTRACTOR SHALL PROVIDE ALL ITEMS NECESSARY TO CONNECT WITH ANY PART OF THE EXISTING SEWER SYSTEM THAT WILL REMAIN IN ORDER TO ESTABLISH A SATISFACTORY AND ACCEPTABLE SEWER SYSTEM.
2. CONTRACTOR TO CONSTRUCT ALL TRENCH EXCAVATION IN ACCORDANCE WITH ALL OSHA REGULATIONS (29 CFR CH.XVII, SUBPART B)
3. TRENCH SHALL BE EXCAVATED BELOW GRADE REQUIRED TO PROVIDE A MINIMUM 36" OF PIPE COVER.

SEWER TRENCH

(NON-PAVED AREA)

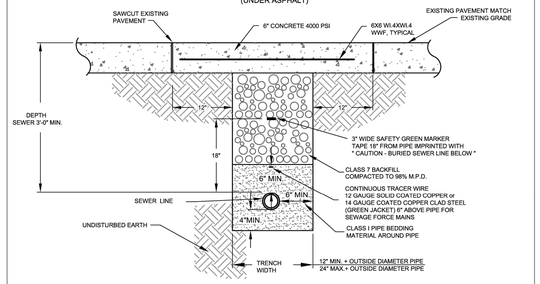
CITY OF BRYANT, AR	TITLE: SEWER DETAILS	DATE: APRIL 2015	SHEET:
WATER UTILITIES 210 S.W. 3rd. STREET BRYANT, AR PHONE: (501) 943-0488	DESCRIPTION: SEWER TRENCH (NON-PAVED AREA)	REVISED ----- ----- ----- -----	S1
	DRAWN BY: CHECKED BY: FILE: S1-Sewer Trench (Non-Paved Area).dwg	-----	

4/6/2015 10:56:09 AM



SEWER TRENCH

(UNDER ASPHALT)



SEWER TRENCH

(UNDER CONCRETE)

NOTES:

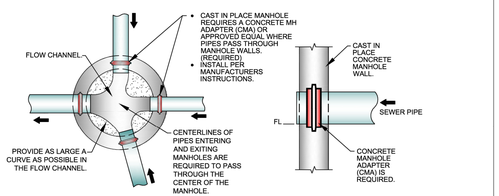
1. THE CONTRACTOR SHALL PROVIDE ALL ITEMS NECESSARY TO CONNECT WITH ANY PART OF THE EXISTING SEWER SYSTEM THAT WILL REMAIN IN ORDER TO ESTABLISH A SATISFACTORY AND ACCEPTABLE SEWER SYSTEM.
2. CONTRACTOR TO CONSTRUCT ALL TRENCH EXCAVATION IN ACCORDANCE WITH ALL OSHA REGULATIONS (29 CFR CH.XVII, SUBPART B)
3. TRENCH SHALL BE EXCAVATED BELOW GRADE REQUIRED TO PROVIDE A MINIMUM 36" OF PIPE COVER.

CITY OF BRYANT, AR	TITLE: SEWER DETAILS	DATE: APRIL 2015	SHEET:
WATER UTILITIES 210 S.W. 3rd. STREET BRYANT, AR PHONE: (501) 943-0488	DESCRIPTION: SEWER TRENCH (UNDER PAVEMENT)	REVISED ----- ----- ----- -----	S2
	DRAWN BY: CHECKED BY: FILE: S2-Sewer Trench (Under Pavement).dwg	-----	

4/6/2015 10:56:01 AM

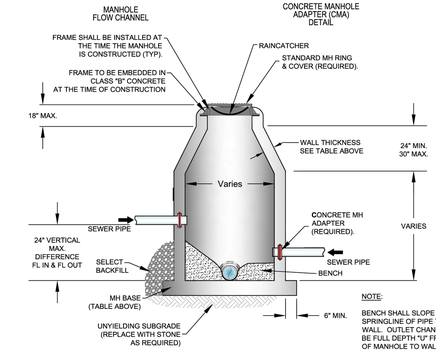
Inside Diameter of Manhole	Minimum Wall Thickness	Base Thickness	Minimum Ring & Cover Size
4' DIA	6"	6"	24" (< or Equal to 24" Pipes)
5' DIA	8"	8"	36" (> 24" Pipes)
6' DIA	8"	12"	

MANHOLE INFORMATION TABLE



MANHOLE FLOW CHANNEL

CONCRETE MANHOLE ADAPTER (CMA) DETAIL



NOTE:

BENCH SHALL SLOPE FROM SPRINGLINE OF PIPE TO MANHOLE WALL. OUTLET CHANNEL SHALL BE FULL DEPTH "U" FROM CENTER OF MANHOLE TO WALL.

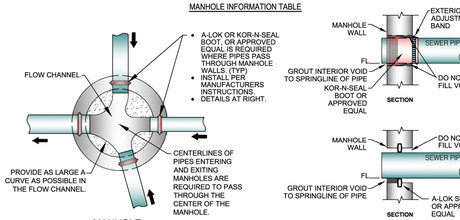
CAST-IN-PLACE MANHOLE

CITY OF BRYANT, AR	TITLE: SEWER DETAILS	DATE: APRIL 2015	SHEET:
WATER UTILITIES 210 S.W. 3rd. STREET BRYANT, AR PHONE: (501) 943-0488	DESCRIPTION: CAST-IN-PLACE MANHOLE	REVISED ----- ----- ----- -----	S4
	DRAWN BY: CHECKED BY: FILE: S4-Cast In Place Manhole.dwg	-----	

4/6/2015 10:56:22 AM

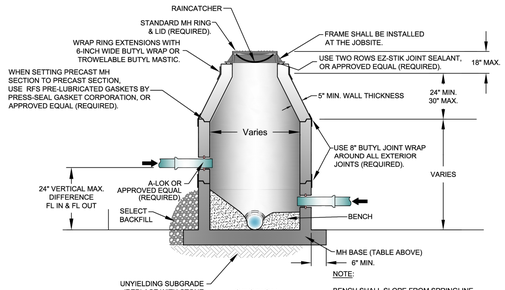
Inside Diameter of Manhole	Minimum Wall Thickness	Base Thickness	Minimum Ring & Cover Size
4' DIA	5"	6"	24" (< or Equal to 24" Pipes)
5' DIA	7"	8"	36" (> 24" Pipes)
6' DIA	7"	8"	

MANHOLE INFORMATION TABLE



MANHOLE FLOW CHANNEL

CONNECTION DETAILS



SECTION

NOTE:

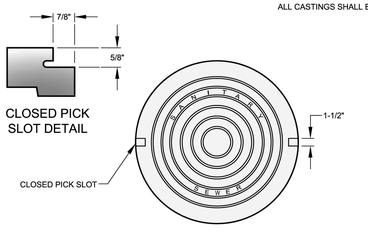
BENCH SHALL SLOPE FROM SPRINGLINE OF PIPE TO MANHOLE WALL. OUTLET CHANNEL SHALL BE FULL DEPTH "U" FROM CENTER OF MANHOLE TO WALL.

PRECAST MANHOLE

CITY OF BRYANT, AR	TITLE: SEWER DETAILS	DATE: APRIL 2015	SHEET:
WATER UTILITIES 210 S.W. 3rd. STREET BRYANT, AR PHONE: (501) 943-0488	DESCRIPTION: PRECAST MANHOLE	REVISED ----- ----- ----- -----	S5
	DRAWN BY: CHECKED BY: FILE: S5-Precast Manhole.dwg	-----	

4/6/2015 10:56:57 AM

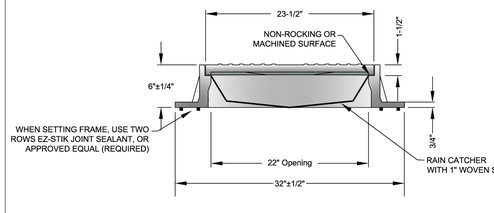
ALL CASTINGS SHALL BE "MADE IN USA"



COVER DETAIL

1. MINIMUM WEIGHT OF RING: 100 POUNDS
2. MINIMUM WEIGHT OF COVER: 110 POUNDS
3. COVERS ARE FURNISHED WITH TWO CLOSED PICK SLOTS.
4. CASTINGS SHALL BE "MADE IN USA"

* DIMENSIONAL TOLERANCES SHALL NOT EXCEED 1/16 INCH PER FOOT



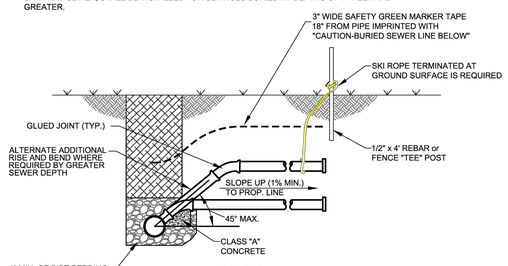
FRAME AND COVER DETAIL

CITY OF BRYANT, AR	TITLE: SEWER DETAILS	DATE: APRIL 2015	SHEET:
WATER UTILITIES 210 S.W. 3rd. STREET BRYANT, AR PHONE: (501) 943-0488	DESCRIPTION: MANHOLE FRAME AND COVER	REVISED ----- ----- ----- -----	S6
	DRAWN BY: CHECKED BY: FILE: S6-Manhole Frame and Cover.dwg	-----	

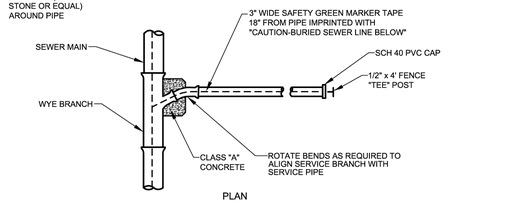
4/6/2015 10:56:51 AM

NOTES:

1. MODIFIED RISER LATERAL SHALL BE USED WHEN DEPTH OF COVER EXCEEDS 7'-0"
2. PLACE CLASS "A" CONCRETE UNDER EACH WYE BRANCH TO PREVENT CRACKING OR TWISTING UNDER EARTH LOADS.
3. SERVICE LATERAL STUBS SHALL TERMINATE AT LEAST 2 FEET INSIDE THE PROPERTY LINE BUT IN NO CASE SHALL THE SERVICE LATERAL STUB TERMINATE AT A DISTANCE LESS THAN 8 FEET FROM THE SANITARY SEWER MAIN.
4. BURY A 1/2" x 4' STEEL TEE FENCE POST AT END OF SERVICE LATERAL STUB AND BACKFILL TO FINISHED GRADE OF PROPERTY.
5. 4" DUCTILE IRON PIPE, LINED FOR SANITARY SEWER AND 4" DUCTILE IRON M.J. FITTINGS, LINED FOR SANITARY SEWER, SHALL BE INSTALLED FOR SERVICES BURIED AT DEPTHS OF 14 FEET AND GREATER.



PROFILE

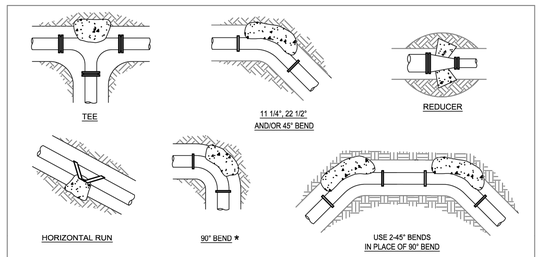


PLAN

SEWER SERVICE LATERAL

CITY OF BRYANT, AR	TITLE: SEWER DETAILS	DATE: APRIL 2015	SHEET:
WATER UTILITIES 210 S.W. 3rd. STREET BRYANT, AR PHONE: (501) 943-0488	DESCRIPTION: SEWER SERVICE LATERAL	REVISED ----- ----- ----- -----	S15
	DRAWN BY: CHECKED BY: FILE: S15-Sewer Service Lateral.dwg	-----	

4/6/2015 10:59:06 AM



THRUST BLOCK SCHEDULE

(2000 PSF SOIL, 200 PSI WATER PRESSURE, 150 PSI WATER HAMMER)

BEARING AREA OF THRUST BLOCKS IN SQ. FT. (HORIZONTAL BENDS)						VOLUME OF THRUST BLOCK IN CU. FEET (VERTICAL BENDS)						
FITTING SIZE	PLUG TEE OR CAP	BEND ANGLE 90° *	45°	22 1/2°	11 1/4°	FITTING SIZE	BEND ANGLE 90° *	45°	22 1/2°	11 1/4°	ROD DIAM.	EMBED MENT
2, 3, & 4	1.8	2.7	1.4	0.7	0.4	2, 3, & 4	35.5	19.2	9.8	4.9	.50"	30"
6	5.6	7.9	4.3	2.2	1.1	6	105.8	57.2	29.2	14.7	.75"	30"
8	9.6	13.5	7.4	3.8	1.9	8	181.9	98.5	50.2	25.2	.75"	30"
12	20.5	29.0	15.7	8.0	4.0	12	387.1	209.5	106.8	53.7	1.0"	30"
16	35.7	50.1	27.3	13.9	7.0	16	672.6	364.0	185.8	93.2	1.0"	36"
18	44.8	63.4	34.3	17.5	8.8	18	844.7	457.2	233.1	117.1	1.0"	36"
24	78.4	110.8	60.0	30.6	15.4	24	1478.7	800.3	408.0	205.0	1.0"	36"

* 90 DEGREE BENDS SHALL ONLY BE USED ON A BY-EXCEPTION BASIS, AND MUST EACH BE SPECIFICALLY APPROVED BY CITY.

THRUST BLOCK NOTES:

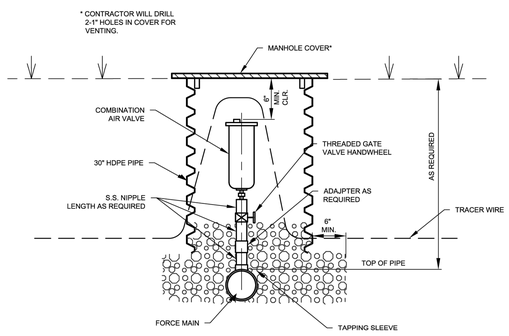
1. CONCRETE FOR THRUST BLOCKS - CLASS A CONCRETE SHALL DEVELOP NOT LESS THAN 3000 P.S.I. COMPRESSIVE STRENGTH AT 28 DAYS AND BE PLACED AGAINST UNDISTURBED SOIL.
2. ALL BENDS, BOTH HORIZONTAL AND VERTICAL, SHALL BE BACKED WITH CONCRETE. VERTICAL BENDS SHALL BE PLACED ON CONCRETE PADS WHERE BENDS TURN UP, OR LOADED WHERE BENDS TURN DOWN.
3. WRAP PIPE JOINTS IN 8 MIL "POLYETHLENE" BEFORE PLACING CONCRETE.
4. BEARING AREA SHOWN IN TABLE, IS BASED UPON A 2000 LB/SF. SOIL BEARING, AND UPON A PIPELINE PRESSURE OF 200 psi. PLUS 100 psi. WATER HAMMER. AREAS SHOWN SHALL BE ADJUSTED, SHOULD FIELD CONDITIONS VARY.
5. MJ RESTRAINTS ARE REQUIRED FOR ALL FITTINGS.
6. USE LONG-RADIUS FITTINGS WHEREVER POSSIBLE.
7. ALL BOLTS FOR FITTINGS SHALL BE 316 STAINLESS STEEL.
8. ALL DUCTILE IRON FITTINGS SHALL BE FUSION-BONDED EPOXY COATED INSIDE AND OUTSIDE IN ACCORDANCE WITH ANSI/AWWA C116/A21.16.
9. UNIT WEIGHT OF CONCRETE FOR VERTICAL THRUST BLOCKS IS 150 LBS/CU. FT.

THRUST BLOCKING

CITY OF BRYANT, AR	TITLE: SEWER DETAILS	DATE: APRIL 2015	SHEET:
WATER UTILITIES 210 S.W. 3rd. STREET BRYANT, AR PHONE: (501) 943-0488	DESCRIPTION: FORCE MAIN THRUST BLOCKING	REVISED ----- ----- ----- -----	S25
	DRAWN BY: CHECKED BY: FILE: S25-Thrust Blocking.dwg	-----	

4/6/2015 10:59:48 AM

* CONTRACTOR WILL DRILL 2-1" HOLES IN COVER FOR VENTING.



AIR RELEASE VALVE

CITY OF BRYANT, AR	TITLE: SEWER DETAILS	DATE: APRIL 2015	SHEET:
WATER UTILITIES 210 S.W. 3rd. STREET BRYANT, AR PHONE: (501) 943-0488	DESCRIPTION: AIR RELEASE VALVE	REVISED ----- ----- ----- -----	S26
	DRAWN BY: CHECKED BY: FILE: S26-Air Release Valve.dwg	-----	

4/6/2015 10:59:50 AM

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REV.	DATE	DESCRIPTION	BY

SPRINGHILL CROSSING
BRYANT, SALINE COUNTY, ARKANSAS

SANITARY SEWER DETAILS (1 OF 2)

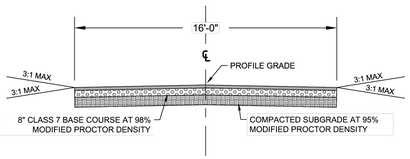
STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18898
CHRIS HOLLOWAY
8/26/26

CERTIFICATE OF AUTHORIZATION
Holloway Engineering, Surveying & Civil Design, PLLC
#1879
EXPIRES 6/30/2027

JOB NO.: 2026-071
DATE: 8/26/26
SHEET NUMBER:

C5.50

L:\2026\2026-071 - Daryl Bryant 26 Ac project\Drawings\Sheets\C5.50 SANITARY SEWER DETAILS.dwg



GRAVEL DRIVE FOR SEWAGE PUMP STATION

GENERAL NOTES

1. CRUSHED STONE - MATERIAL IN EACH COURSE SHALL BE COMPACTED TO A DENSITY OF 98% MAXIMUM MODIFIED DENSITY.

CITY OF BRYANT, AR
WATER UTILITIES
210 S.W. 3rd. STREET
BRYANT, AR
PHONE: (501) 943-0488

TITLE: **SEWER DETAILS**
DESCRIPTION: **GRAVEL DRIVE FOR SEWAGE PUMP STATION**
DRAWN BY: | CHECKED BY: | FILE: S32-Gravel Drive For Sewage Pump Station.dwg

DATE:	APRIL 2015
	REVISED

SHEET: **S32**

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Surveying & Civil Design

200 Casey Drive
Maumelle, AR 72113
(501) 851-3366
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REV.	DATE	DESCRIPTION	BY

SPRINGHILL CROSSING
BRYANT, SALINE COUNTY, ARKANSAS

SANITARY SEWER DETAILS (2 OF 2)

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18898
JEFFERY C. HOLLOWAY

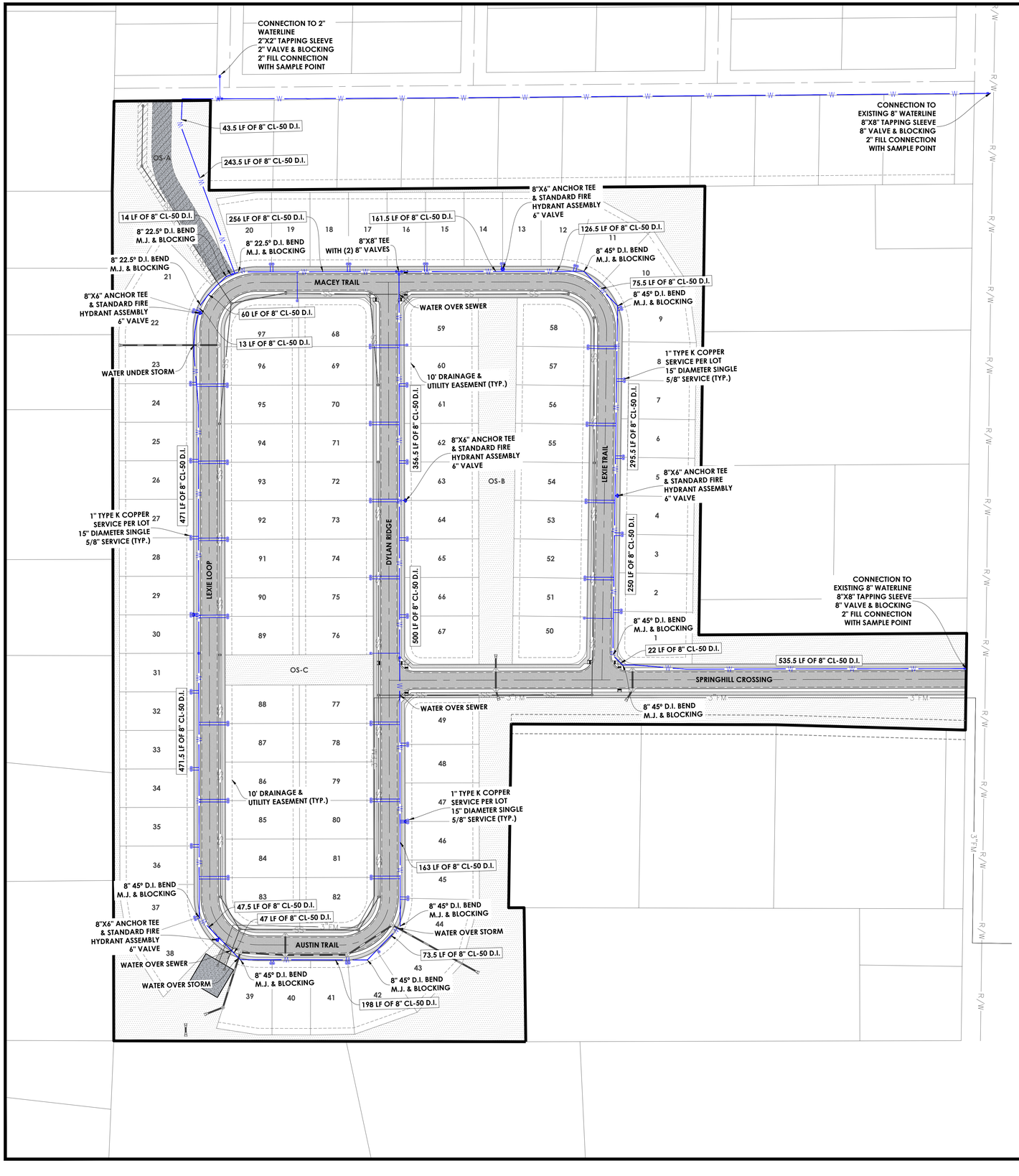
8/26/26

CERTIFICATE OF AUTHORIZATION
Holloway Engineering, Surveying & Civil Design, PLLC
#1879
ARKANSAS ENGINEER SURVEYOR

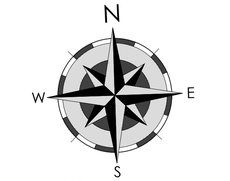
JOB NO.: 2026-071
DATE: 8/26/26
SHEET NUMBER:

C5.51

L:\2026\2026-071 - Daryl Bryant 26 Ac project\Drawings\Sheets\C5.50 SANITARY SEWER DETAILS.dwg



CAUTION: UNDERGROUND UTILITIES EXIST WITHIN AND ADJACENT TO THE LIMITS OF CONSTRUCTION AND AN ATTEMPT HAS BEEN MADE TO LOCATE THESE UTILITIES ON THE PLANS. HOWEVER, ALL EXISTING UTILITIES MAY NOT BE SHOWN AND THE ACTUAL LOCATIONS OF THE UTILITIES MAY VARY FROM THE LOCATIONS SHOWN. PRIOR TO BEGINNING ANY TYPE OF EXCAVATION, THE CONTRACTOR SHALL CONTACT THE UTILITIES INVOLVED AND MAKE ARRANGEMENTS FOR THE LOCATION OF THE UTILITIES ON THE GROUND. THE CONTRACTOR SHALL MAINTAIN THE UTILITY LOCATION MARKINGS UNTIL THEY ARE NO LONGER NECESSARY. ARKANSAS STATE LAW, THE UNDERGROUND FACILITIES DAMAGE PREVENTION ACT, REQUIRES TWO WORKING DAYS ADVANCE NOTIFICATION THROUGH THE ARKANSAS ONE-CALL SYSTEM CENTER BEFORE EXCAVATING USING MECHANIZED EQUIPMENT OR EXPLOSIVES (EXCEPT IN THE CASE OF AN EMERGENCY). THE ONE-CALL SYSTEM PHONE NUMBER IS 1-800-482-8998. THE CONTRACTOR IS ADVISED THAT THERE IS A SEVERE PENALTY FOR NOT MAKING THIS CALL, NOT ALL UTILITY COMPANIES ARE MEMBERS OF THE ARKANSAS ONE-CALL SYSTEM; THEREFORE, THE CONTRACTOR IS ADVISED TO CONTACT ALL NON-MEMBER UTILITIES, AS WELL AS THE ONE-CALL SYSTEM.



NOTES:

1. COORDINATE ALL UTILITY WORK WITH PULASKI COUNTY. COORDINATE AND CONSTRUCT ALL WATERLINES TO MEET THE LATEST EDITION OF BRYANT WATER DISTRIBUTION.
2. ALL WATERLINES GREATER THAN 3" SHALL BE CLASS 50 DUCTILE IRON & ALL WATERLINES LESS THAN 3" SHALL BE PVC SDR 17 RATED FOR 250 PSI. ALL WATER SERVICE LINES TO BE TYPE "K" COPPER.
3. SIZE AND LOCATION FOR SERVICES AND FIRE PROTECTION LINES TO BE COORDINATED WITH ARCHITECTURAL PLANS.
4. ALL PVC MAIN SHALL BE BEDDED IN SAND, ASTM C144, OR CRUSHED STONE, ASTM C33 #67. BEDDING SHALL BE A MINIMUM OF 4" BELOW AND 3"-6" ABOVE THE PIPE IN NON-HARD ROCK TRENCH CONDITIONS. IN HARD ROCK TRENCH CONDITIONS, PLACE A MINIMUM OF 6"-9" BELOW THE PIPE. PVC PIPE SHALL NO BE PLACED WITH WORKING PRESSURES EXCEEDING 125 PSI.
5. ALL WATER MAINS ARE TO BE A MINIMUM OF 1' BELOW STORM DRAINS OR AS DIRECTED BY BRYANT WATER DISTRIBUTION. ALL WATERLINES SHALL HAVE 36" OF MIN. COVER.
6. CONTROL POINTS AND PROPERTY PINS EXCAVATED BY CONTRACTOR ARE TO BE REPLACED PRIOR TO FINAL PAYMENT.
7. ALL WATER MAINS, APPURTENANCES, AND SERVICES ARE TO BE TESTED AS STATED IN THE LATEST EDITION OF THE BRYANT WATER DISTRIBUTION'S STANDARDS AND SPECIFICATIONS.
8. HYDRANTS TO BE 2'-7" FROM THE PROPOSED BACK OF CURB.
9. STATIC AND RESIDUAL WATER PRESSURE FOR THE PROJECT WILL BE: STATIC PRESSURE = _____ PSI FIRE FLOW @ _____ GPM OF RESIDUAL PRESSURE = _____ PSI, _____ GPM OF RESIDUAL PRESSURE = _____ PSI. (LOCATION: ADDRESS, CITY, ZIP.
10. NORTH OF THE ARKANSAS RIVER, VALVES WILL OPERATE RIGHT OR LEFT, AS DETERMINED BY EXISTING ZONES (AREAS), SOUTH OF THE ARKANSAS RIVER, VALVES THREE (3)-INCHES AND LARGER WILL OPERATE RIGHT. TWO (2)-INCH VALVES AND ALL VALVES IN THE WYE MOUNTAIN SERVICE AREA AND THE PARON-OWENSVILLE SERVICE AREA WILL OPERATE LEFT.
11. ALL FIRE HYDRANTS TO OPEN RIGHT, EXCEPT IN THE CITY OF MAUMELLE, PARON-OWENSVILLE, AND WYE MOUNTAIN WHICH SHALL OPEN LEFT.
12. REVIEW TRENCH SAFETY, AS DESCRIBED IN THE LATEST EDITION BRYANT WATER DISTRIBUTION'S STANDARDS AND SPECIFICATIONS.
13. ALL TREES THAT DO NOT DIRECTLY INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE SPARED AS DIRECTED BY THE ENGINEER. CARE AND DISCRETION SHALL BE USED TO ENSURE THAT ALL TREES NOT TO BE REMOVED SHALL BE HARMED AS LITTLE AS POSSIBLE DURING THE CONSTRUCTION OPERATIONS.
14. A MINIMUM HORIZONTAL DISTANCE OF TEN FEET SHOULD BE MAINTAINED BETWEEN WATER LINES AND SEWER LINES. WATER MAINS NECESSARILY IN CLOSE PROXIMITY TO SEWERS MUST BE PLACED SO THAT THE BOTTOM OF THE WATER LINE WILL BE AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER LINE AT ITS HIGHEST POINT. IF THIS DISTANCE MUST UNAVOIDABLY BE REDUCED, THE WATER LINE OR THE SEWER LINE MUST BE ENCASED IN WATERTIGHT PIPE WITH SEALED WATERTIGHT ENDS EXTENDING AT LEAST TEN FEET EITHER SIDE OF THE CROSSING, ANY JOINT IN THE ENCASEMENT PIPE IS TO BE MECHANICALLY RESTRAINED. THE ENCASEMENT PIPE MAY BE VENTED TO THE SURFACE IF CARRYING WATER OR SEWER UNDER PRESSURE. WHERE A WATER LINE MUST UNAVOIDABLY PASS BENEATH THE SEWER LINE, AT LEAST 18 INCHES OF SEPARATION MUST BE MAINTAINED BETWEEN THE OUTSIDE OF THE TWO PIPES IN ADDITION TO THE PRECEDING ENCASEMENT REQUIREMENT. EXCEPTIONS TO THIS MUST BE APPROVED IN WRITING BY THE ARKANSAS DEPARTMENT OF HEALTH. A MINIMUM HORIZONTAL DISTANCE OF THREE FEET SHALL BE MAINTAINED BETWEEN WATER LINES AND OTHER UNDERGROUND UTILITIES OF A NON-SANITARY NATURE (GAS, ELECTRIC, ETC.,). EXCEPTIONS TO THIS MUST BE APPROVED IN WRITING BY THE ARKANSAS DEPARTMENT OF HEALTH AND HUMAN SERVICES.
15. THE WATER MAIN WILL BE PUBLIC. THE FIRE HYDRANTS WILL BE PUBLIC.
16. CAUTION: UNDERGROUND UTILITIES EXIST WITHIN AND ADJACENT TO THE LIMITS OF CONSTRUCTION AND AN ATTEMPT HAS BEEN MADE TO LOCATE THESE UTILITIES ON THE PLANS. HOWEVER, ALL EXISTING UTILITIES MAY NOT BE SHOWN AND THE ACTUAL LOCATIONS OF THE UTILITIES MAY VARY FROM THE LOCATIONS SHOWN. PRIOR TO BEGINNING ANY TYPE OF EXCAVATION, THE CONTRACTOR SHALL CONTACT THE UTILITIES INVOLVED AND MAKE ARRANGEMENTS FOR THE LOCATION OF THE UTILITIES ON THE GROUND. THE CONTRACTOR SHALL MAINTAIN THE UTILITY LOCATION MARKINGS UNTIL THEY ARE NO LONGER NECESSARY.ARKANSAS STATE LAW, THE UNDERGROUND FACILITIES DAMAGE PREVENTION ACT, REQUIRES TWO WORKING DAYS ADVANCE NOTIFICATION THROUGH THE ARKANSAS ONE-CALL SYSTEM CENTER BEFORE EXCAVATING USING MECHANIZED EQUIPMENT OR EXPLOSIVES (EXCEPT IN THE CASE OF AN EMERGENCY). THE ONE-CALL SYSTEM PHONE NUMBER IS 811. THE CONTRACTOR IS ADVISED THAT THERE IS A SEVERE PENALTY FOR NOT MAKING THIS CALL, NOT ALL UTILITY COMPANIES ARE MEMBERS OF THE ARKANSAS ONE-CALL SYSTEM; THEREFORE, THE CONTRACTOR IS ADVISED TO CONTACT ALL NON-MEMBER UTILITIES, AS WELL AS THE ONE-CALL SYSTEM.
17. ALL D.I. WATER MAINS AND APPURTENANCES TO BE POLY WRAPPED. SITE IS TO BE GRADED TO WITHIN 0.1 FT OF FINAL GRADE PRIOR TO WATER MAIN INSTALLATION. ALL VALVES INSTALLED TO BE OPEN LEFT. ALL FITTINGS ON 6" AND GREATER WATER MAINS MUST BE M.J. WITH STANDARD CONCRETE THRUST BLOCKING.
18. ALL SIZE 3" OR GREATER VALVES INSTALLED IN THIS AREA SHALL BE OPEN LEFT.
19. LOCATE METER BOX ASSEMBLY WITHIN 1' OF R.O.W. LINE OR WITHIN EASEMENT.
20. CONTRACTOR IS TO INSTALL METER BOX, LID, SETTER AND 36" COPPER SERVICE LINE AFTER SETTER.
21. 5/8" SINGLE WATER METER SETTER TO BE INSTALLED.

Holloway Engineering,
Surveying & Civil Design

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Maumelle, AR 72113
(501) 851-3366
www.holloway-eng.com

REV.	DATE	DESCRIPTION	BY

SPRINGHILL CROSSING
BRYANT, SALINE COUNTY, ARKANSAS

WATER PLAN

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18898
ERIC HOLLOWAY
8/26/26

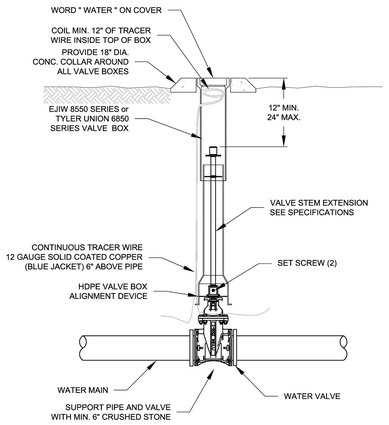
CERTIFICATE OF AUTHORIZATION
Holloway
Engineering, Surveying
Civil Design, PLLC
#1879

JOB NO.: 2026-071
DATE: 8/26/26
SHEET NUMBER:

C6.00

NOTES:

1. OPERATING NUT EXTENSIONS SHALL BE USED WHEN THE TOP OF THE OPERATING NUT IS GREATER THAN 4 FEET FROM THE TOP OF FINISHED SURFACE.
2. THE STEM EXTENSION SHALL BE OF ADEQUATE LENGTH TO REACH FROM THE VALVE OPERATING NUT TO A POINT WITHIN 24-INCHES TO 12-INCHES OF THE FINISHED SURFACE.



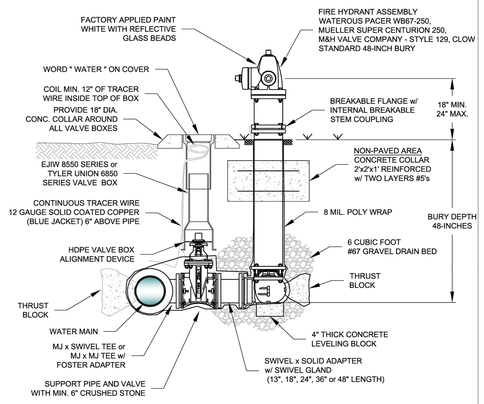
VALVE WITH STEM EXTENSION

CITY OF BRYANT, AR	TITLE: WATER DETAILS	DATE: APRIL 2015	SHEET:
WATER UTILITIES	DESCRIPTION: VALVE STEM EXTENSION	REVISED	W7
210 S.W. 3rd. STREET		-----	
BRYANT, AR		-----	
PHONE: (501) 943-0468		-----	
	DRAWN BY: CHECKED BY: FILE: W7-Valve Stem Extension.dwg	-----	

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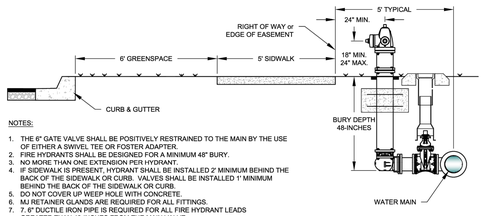
NOTES:

1. THE 6" GATE VALVE SHALL BE POSITIVELY RESTRAINED TO THE MAIN BY THE USE OF EITHER A SWIVEL TEE OR FOSTER ADAPTER.
2. FIRE HYDRANTS SHALL BE DESIGNED FOR A MINIMUM 48" BURY.
3. BURY LINE OF HYDRANT SHALL BE NO LESS THAN THE PROPOSED FINISHED ELEVATION OF BACK OF CURB, OR SIDEWALK, WHICHEVER IS GREATER.
4. NO MORE THAN ONE EXTENSION PER HYDRANT.
5. IF SIDEWALK IS PRESENT, HYDRANT SHALL BE INSTALLED 2' MINIMUM BEHIND THE BACK OF THE SIDEWALK OR CURB. VALVES SHALL BE INSTALLED 1' MINIMUM BEHIND THE BACK OF THE SIDEWALK OR CURB.
6. DO NOT COVER UP WEEP HOLE WITH CONCRETE.
7. MJ RETAINER GLANDS ARE REQUIRED FOR ALL FITTINGS.
8. 7. 6" DUCTILE IRON PIPE IS REQUIRED FOR ALL FIRE HYDRANT LEADS GREATER THAN 48-INCHES FROM THE MAIN VALVE.
9. AN ADDITIONAL GUARDIAN VALVE IS REQUIRED FOR ALL FIRE HYDRANT LEADS GREATER THAN 30 FEET IN LENGTH.



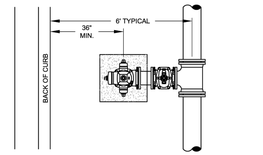
FIRE HYDRANT & VALVE CONNECTION

CITY OF BRYANT, AR	TITLE: WATER DETAILS	DATE: APRIL 2015	SHEET:
WATER UTILITIES	DESCRIPTION: FIRE HYDRANT AND VALVE CONNECTION	REVISED	W8
210 S.W. 3rd. STREET		-----	
BRYANT, AR		-----	
PHONE: (501) 943-0468		-----	
	DRAWN BY: CHECKED BY: FILE: W8-Fire Hydrant and Valve.dwg	-----	

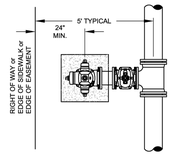


NOTES:

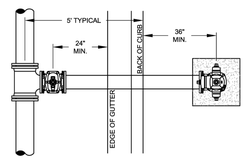
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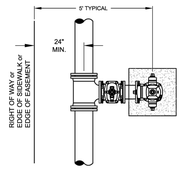
WATER LINE BEHIND CURB
INSIDE ROW



WATER LINE IN EASEMENT
OUTSIDE ROW

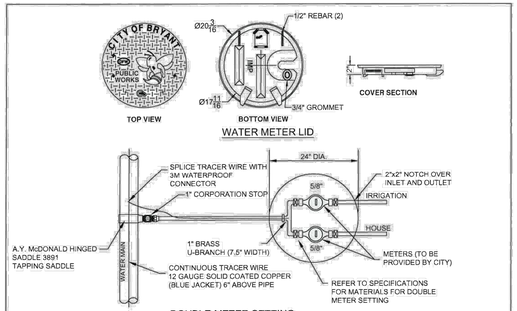


WATER LINE IN STREET
INSIDE ROW

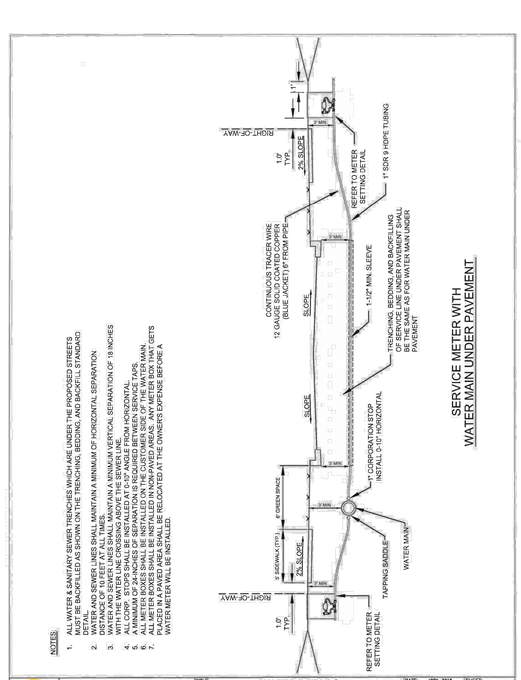


WATER LINE IN EASEMENT
OUTSIDE ROW

CITY OF BRYANT, AR	TITLE: WATER DETAILS	DATE: APRIL 2015	SHEET:
WATER UTILITIES	DESCRIPTION: FIRE HYDRANT PLACEMENT	REVISED	W9
210 S.W. 3rd. STREET		-----	
BRYANT, AR		-----	
PHONE: (501) 943-0468		-----	
	DRAWN BY: CHECKED BY: FILE: W9-Fire Hydrant Placement.dwg	-----	



CITY OF BRYANT, AR	TITLE: WATER DETAILS	DATE: APRIL 2015	SHEET:
WATER UTILITIES	DESCRIPTION: METER SETTINGS	REVISED	W10
210 S.W. 3rd. STREET		-----	
BRYANT, AR		-----	
PHONE: (501) 943-0468		-----	
	DRAWN BY: CHECKED BY: FILE: W10-Meter Settings.dwg	-----	



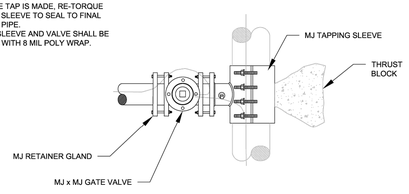
SERVICE METER WITH WATER MAIN UNDER PAVEMENT

CITY OF BRYANT, AR	TITLE: WATER DETAILS	DATE: APRIL 2015	SHEET:
WATER UTILITIES	DESCRIPTION: METER SERVICE LINE UNDER PAVEMENT	REVISED	W11
210 S.W. 3rd. STREET		-----	
BRYANT, AR		-----	
PHONE: (501) 943-0468		-----	
	DRAWN BY: CHECKED BY: FILE: W11-Water Service Line Under Pavement.dwg	-----	

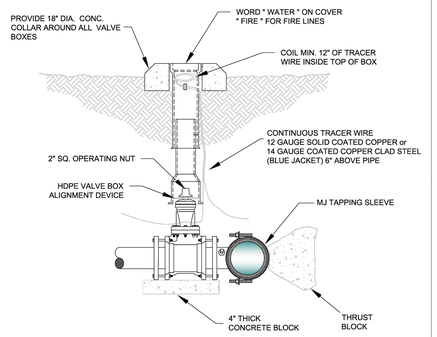
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NOTES:

1. TAPPING SLEEVE SHALL BE SMITH-BLAIR 662 OR FORD FAST.
2. AFTER THE TAP IS MADE, RE-TORQUE BOLTS ON SLEEVE TO SEAL TO FINAL SHAPE OF PIPE.
3. TAPPING SLEEVE AND VALVE SHALL BE WRAPPED WITH 8 MIL POLY WRAP.



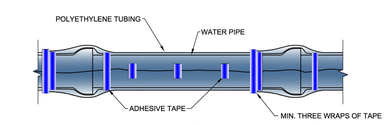
PLAN VIEW



PROFILE VIEW

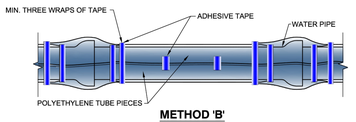
CITY OF BRYANT, AR	TITLE: WATER DETAILS	DATE: APRIL 2015	SHEET:
WATER UTILITIES	DESCRIPTION: TAPPING SLEEVE AND VALVE	REVISED	W13
210 S.W. 3rd. STREET		-----	
BRYANT, AR		-----	
PHONE: (501) 943-0468		-----	
	DRAWN BY: CHECKED BY: FILE: W13-Tapping Sleeve and Valve.dwg	-----	

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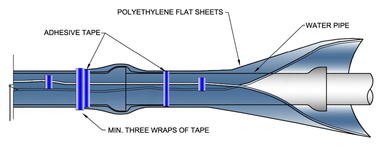
METHOD 'A'

METHOD 'A' USES ONE LENGTH OF POLYETHYLENE TUBE, OVERLAPPED AT THE JOINTS A MINIMUM OF 2 FEET.



METHOD 'B'

METHOD 'B' USES SEPARATE PIECES OF POLYETHYLENE TUBE FOR THE BARREL OF THE PIPE AND THE JOINTS. SHORT PIECES SHALL BE APPROXIMATELY 6' LONG AND OVERLAP BARREL SECTION BY A MINIMUM OF 2 FEET.



METHOD 'C'

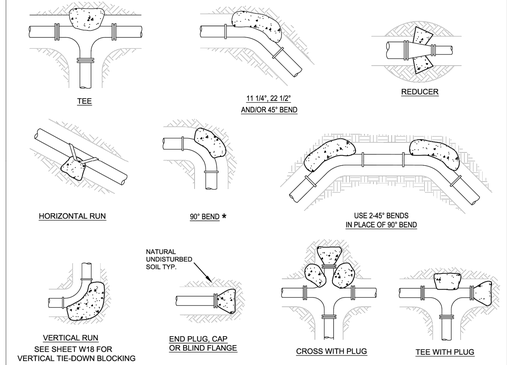
METHOD 'C' - USED FOR PIPE-SHAPED AND ODD- SHAPED APPURTENANCES SUCH AS BENDS, REDUCERS, OFFSETS, VALVES, TEES, ETC.

ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE POLY WRAPPED.

THE ANSI/AWWA C105/A21.5 STANDARD OUTLINES THREE METHODS OF INSTALLING POLYETHYLENE ENCASEMENT/ SLEEVING.

CITY OF BRYANT, AR	TITLE: WATER DETAILS	DATE: APRIL 2015	SHEET:
WATER UTILITIES	DESCRIPTION: POLYETHYLENE PROTECTION MATERIAL	REVISED	W14
210 S.W. 3rd. STREET		-----	
BRYANT, AR		-----	
PHONE: (501) 943-0468		-----	
	DRAWN BY: CHECKED BY: FILE: W14-Poly Wrap.dwg	-----	

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THRUST BLOCK SCHEDULE
(2000 PSF SOIL, 200 PSI WATER PRESSURE, 100 PSI WATER HAMMER)

BEARING AREA OF THRUST BLOCKS IN SQ. FT. (HORIZONTAL BENDS)						VOLUME OF THRUST BLOCK IN CU. FEET (VERTICAL BENDS)						
FITTING SIZE	PLUG, TEE OR CAP	BEND ANGLE 90° ★	45°	22 1/2°	11 1/4°	FITTING SIZE	BEND ANGLE 90° ★	45°	22 1/2°	11 1/4°	ROD DIAM.	EMBED-MENT
2, 3 & 4	1.9	2.7	1.4	0.7	0.4	2, 3 & 4	35.6	19.2	9.8	4.9	.50"	30"
6	5.6	7.9	4.3	2.2	1.1	6	105.9	57.2	29.2	14.7	.75"	30"
8	9.8	13.8	7.4	3.8	1.9	8	181.9	98.0	50.2	25.2	.75"	30"
12	20.5	29.0	15.7	8.0	4.0	12	387.1	209.5	106.8	53.7	1.0"	30"
16	35.7	50.4	27.3	13.9	7.0	16	672.6	364.0	185.6	93.2	1.0"	36"
18	44.8	63.4	34.3	17.5	16.8	18	844.7	457.2	233.1	117.1	1.0"	36"
24	78.4	110.9	60.0	30.5	15.4	24	1478.7	800.3	408.0	205.0	1.0"	36"

★ 90 DEGREE BENDS SHALL ONLY BE USED ON A BY-EXCEPTION BASIS, AND MUST EACH BE SPECIFICALLY APPROVED BY CITY.

THRUST BLOCK NOTES:

1. CONCRETE FOR THRUST BLOCKS - CLASS A CONCRETE SHALL DEVELOP NOT LESS THAN 3000 P.S.I. COMPRESSIVE STRENGTH AT 28 DAYS AND BE PLACED AGAINST UNDISTURBED SOIL.
2. ALL BENDS, BOTH HORIZONTAL AND VERTICAL, SHALL BE BACKED WITH CONCRETE. VERTICAL BENDS SHALL BE PLACED ON CONCRETE PADS WHERE BENDS TURN UP, OR LOADED WHERE BENDS TURN DOWN.
3. WRAP PIPE JOINTS IN 8 MIL "POLYETHLENE" BEFORE PLACING CONCRETE.
4. BEARING AREA SHOWN IN TABLE, IS BASED UPON A 2000 LB/SF. SOIL BEARING, AND UPON A PIPELINE PRESSURE OF 200 psi PLUS 100 psi. WATER HAMMER. AREAS SHOWN SHALL BE ADJUSTED, SHOULD FIELD CONDITIONS VARY.
5. MJ RESTRAINTS ARE REQUIRED FOR ALL FITTINGS.
6. USE LONG-RADIUS FITTINGS WHEREVER POSSIBLE.
7. ALL BOLTS FOR FITTINGS SHALL BE 316 STAINLESS STEEL.
8. ALL DUCTILE IRON FITTINGS SHALL BE FUSION-BONDED EPOXY COATED INSIDE AND OUTSIDE IN ACCORDANCE WITH ANSI/AWWA C116/A21.16.
9. UNIT WEIGHT OF CONCRETE FOR VERTICAL THRUST BLOCKS IS 150 LBS/CU. FT.

THRUST BLOCKING

CITY OF BRYANT, AR	TITLE: WATER DETAILS	DATE: APRIL 2015	SHEET:
WATER UTILITIES	DESCRIPTION: THRUST BLOCKING	REVISED	W16
210 S.W. 3rd. STREET		-----	
BRYANT, AR		-----	
PHONE: (501) 943-0468		-----	
	DRAWN BY: CHECKED BY: FILE: W16-Thrust Blocking.dwg	-----	

4/15/2015 11:46:57 AM

Holloway Engineering, Surveying & Civil Design

200 Casey Drive
Maumelle, AR 72113
(501) 851-3366
www.holloway-eng.com

REV.	DATE	DESCRIPTION	BY

SPRINGHILL CROSSING
BRYANT, SALINE COUNTY, ARKANSAS

WATER DETAILS (1 OF 2)

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18898
JOHN HOLLOWAY
8/26/26

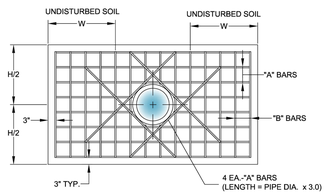
CERTIFICATE OF AUTHORIZATION
Holloway Engineering, Surveying & Civil Design, PLLC
#1879
EXPIRES 12/31/2026

JOB NO.: 2026-071
DATE: 8/26/26
SHEET NUMBER:

C6.50

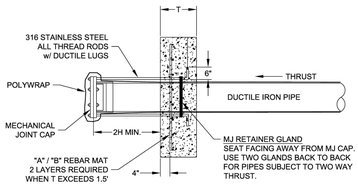
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ANCHOR COLLAR SCHEDULE					
PIPE SIZE	* MINIMUM DIMENSIONS *			REINFORCING BARS	
	W	H	T	"A" BARS	"B" BARS
6"	1.5'	2.0'	1.0'	#6 @ 6"	#6 @ 6"
8"	2.0'	2.5'	1.0'	#6 @ 6"	#6 @ 6"
12"	2.5'	4.0'	1.5'	#6 @ 6"	#6 @ 6"
16"	3.5'	5.0'	1.5'	#6 @ 6"	#6 @ 6"
20"	5.0'	5.5'	2.0'	#6 @ 6"	#6 @ 6"
24"	6.5'	6.0'	2.0'	#7 @ 6"	#7 @ 10"



NOTES:

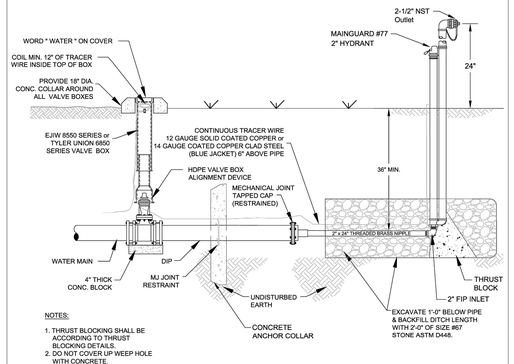
1. DESIGN PRESSURE IS 200 PSI PLUS 100 PSI SURGE AND 2,000 PSI SOIL BEARING.
2. ALL DIMENSIONS ARE MINIMUM REQUIREMENTS. ACTUAL FIELD CONDITIONS MAY REQUIRE LARGER DIMENSIONS.
3. ALL RETAINER GLANDS SHALL BE MEGA-LUG BY EBAA IRON.



4/30/2026 11:47:39 AM

CITY OF BRYANT, AR
WATER UTILITIES
210 S.W. 3rd. STREET
BRYANT, AR
PHONE: (501) 943-0466

TITLE: **WATER DETAILS**
DESCRIPTION: **ANCHOR COLLAR**
DRAWN BY: CHECKED BY: FILE: W18-Anchor Collar.dwg
DATE: APRIL 2015 REVISED
SHEET: **W18**



NOTES:

1. THRUST BLOCKING SHALL BE ACCORDING TO THRUST BLOCKING DETAILS.
2. DO NOT COVER UP WEEP HOLE WITH CONCRETE.

BLOW-OFF ASSEMBLY

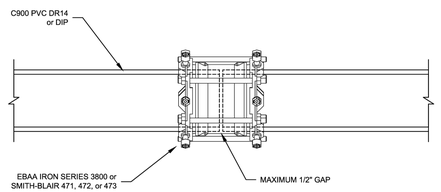
4/30/2026 11:47:54 AM

CITY OF BRYANT, AR
WATER UTILITIES
210 S.W. 3rd. STREET
BRYANT, AR
PHONE: (501) 943-0466

TITLE: **WATER DETAILS**
DESCRIPTION: **BLOW-OFF ASSEMBLY**
DRAWN BY: CHECKED BY: FILE: W19-Blow-off Assembly.dwg
DATE: APRIL 2015 REVISED
SHEET: **W19**

NOTE:

RESTRAINED COUPLINGS SHALL BE USED WHEN JOINING TWO CUT PIECES OF PIPE, GENERALLY WHEN CUTTING IN VALVES AND TEES.



RESTRAINED COUPLING

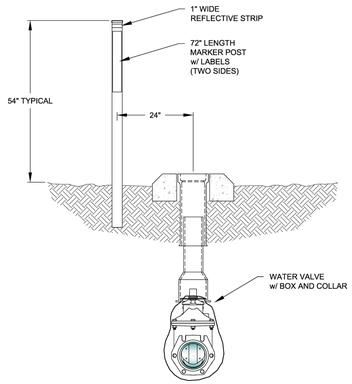
4/30/2026 11:48:03 AM

CITY OF BRYANT, AR
WATER UTILITIES
210 S.W. 3rd. STREET
BRYANT, AR
PHONE: (501) 943-0466

TITLE: **WATER DETAILS**
DESCRIPTION: **RESTRAINED COUPLING**
DRAWN BY: CHECKED BY: FILE: W26-Restrained Coupling.dwg
DATE: APRIL 2015 REVISED
SHEET: **W26**

NOTES:

1. WATER LINE MARKERS SHALL BE TRI-VIEW MARKING SYSTEM BY RHINO MARKING AND PROTECTION SYSTEMS OR CARSONITE INTERNATIONAL DUAL-SIDED UTILITY MARKER (CIB-380).
2. THE UPPERMOST PORTION OF THE CARSONITE MARKER SHALL BE MADE OF VISIBILITY ENHANCER (CVE-360).
3. TRI-VIEW MARKERS DO NOT REQUIRE VISIBILITY ENHANCERS.
4. AN ADDITIONAL WHITE 1" WIDE REFLECTIVE TAPE (3M OR EQUAL) SHALL BE PLACED AROUND THE FULL CIRCUMFERENCE OF THE TOP OF THE MARKER.



VALVE MARKER

4/30/2026 11:48:12 AM

CITY OF BRYANT, AR
WATER UTILITIES
210 S.W. 3rd. STREET
BRYANT, AR
PHONE: (501) 943-0466

TITLE: **WATER DETAILS**
DESCRIPTION: **VALVE MARKER**
DRAWN BY: CHECKED BY: FILE: W22-Valve Marker.dwg
DATE: APRIL 2015 REVISED
SHEET: **W22**

Holloway Engineering, Surveying & Civil Design

200 Casey Drive
Maumelle, AR 72113
(501) 851-3366
www.holloway-eng.com

REV.	DATE	DESCRIPTION	BY

SPRINGHILL CROSSING
BRYANT, SALINE COUNTY, ARKANSAS

WATER DETAILS (2 OF 2)

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18898
DANIEL HOLLOWAY

8/26/26

CERTIFICATE OF AUTHORIZATION
Holloway Engineering, Surveying & Civil Design, PLLC
#1879
ARKANSAS ENGINEERING

JOB NO.: 2026-071
DATE: 8/26/26
SHEET NUMBER:

C6.51

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