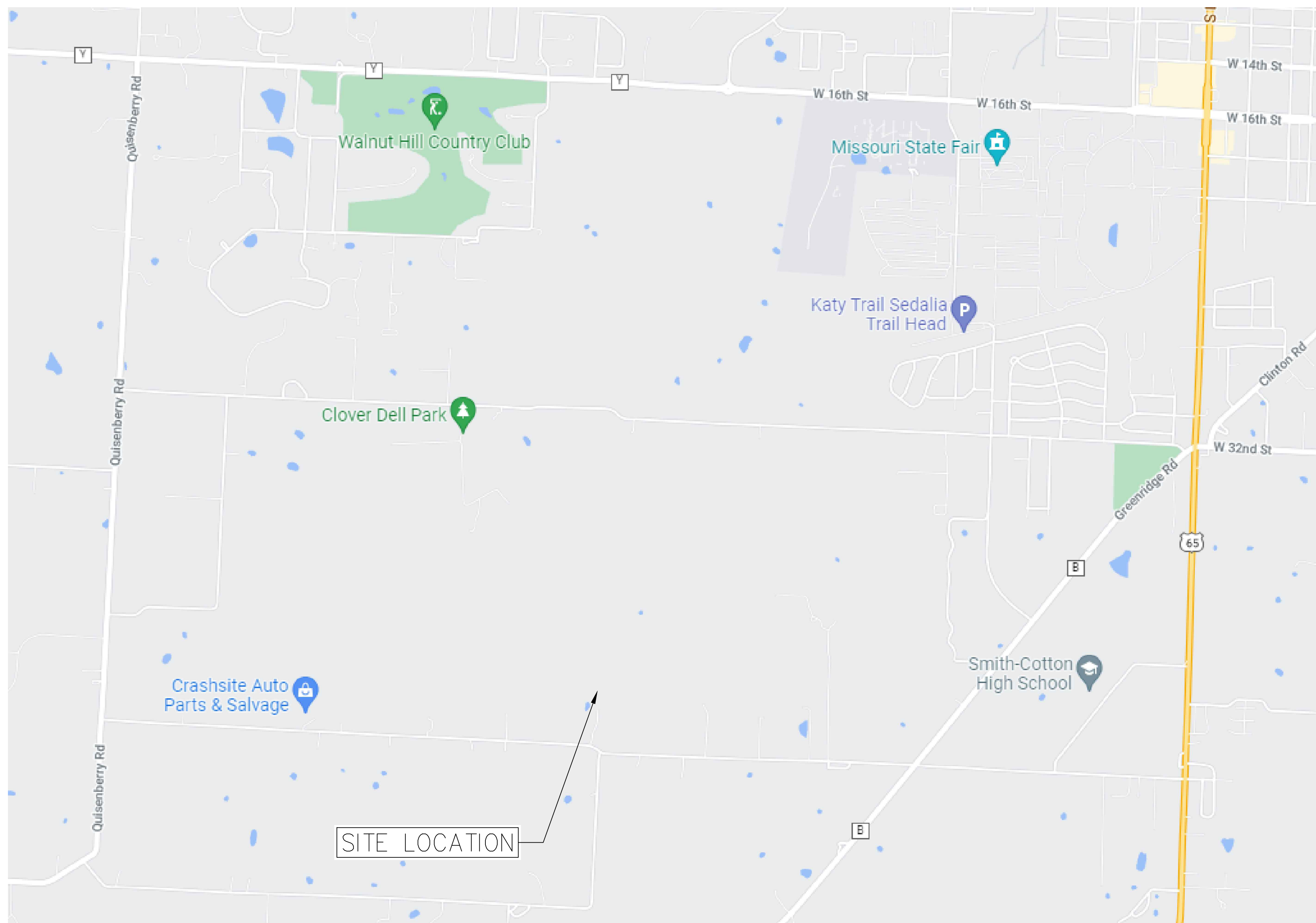


<u>CONSTRUCTION NOTES:</u> 1. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF EXISTING UTILITIES. CONTRACTOR SHALL REPAIR ALL UTILITIES DAMAGED BY CONTRACTOR'S ACTIVITIES AT NO EXPENSE TO THE OWNER. 2. CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY. 3. CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING BEST MANAGEMENT PRACTICE (BMP'S) AS SHOWN ON THE PLANS. BMP'S SHALL BE MAINTAINED AT ALL TIMES. 4. CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES. REFER TO GRADING BID SET FOR DETAILS. 5. ALL PUBLIC ROADS MUST BE KEPT CLEAN AT ALL TIMES. 6. CONTRACTOR IS RESPONSIBLE FOR PATCHING ALL STREETS DAMAGED BY CONSTRUCTION ACTIVITIES OR EQUIPMENT. 7. CONTRACTOR SHALL NOT INTERRUPT THE OWNERS CURRENT OPERATIONS. 8. CONTRACTOR SHALL BE RESPONSIBLE CONTROLLING DUST FROM JOBSITE ACTIVITIES.	<u>CONSTRUCTION NOTES CONTINUED:</u> 9. ADJUST VALVE COVERS & UTILITY BOXES AS NECESSARY TO PROVIDE SMOOTH SURFACE. 10. ALL STORM PIPE OUTLETS TO HAVE RODENT SCREENS/ANIMAL BARRIERS. 11. ALL STORM STRUCTURES NYOPLAST UNLESS OTHERWISE SIZES NOTED FOR CONCRETE STRUCTURE. 12. ALL PIPE LENGTHS AND FLOW LINES TO CENTER OF STRUCTURE. <u>ELECTRIC CONDUIT BY CONTRACTOR.</u> <u>TEMPORARY TRAFFIC CONTROL NOTES:</u> 1. ALL TRAFFIC CONTROL SHALL BE PER CURRENT MUTCD REQUIREMENTS AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. A TRAFFIC CONTROL PLAN WILL BE REQUIRED FOR ANY WORK WITHIN THE RIGHT-OF-WAY. 2. ALL TRAFFIC CONTROL DEVICES AND TEMPORARY TRAFFIC CONTROL PLANS SHALL BE IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). 3. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SITE, WORKER, AND TRAFFIC SAFETY.	<u>CONSTRUCTION QUALITY ASSURANCE REQUIREMENTS:</u> 1. THE OWNER IS RESPONSIBLE FOR PROVIDING QUALITY ASSURANCE COMPACTION TESTING OF SUBGRADES AND CONTROLLED FILL MATERIALS AND FIELD SAMPLING AND TESTING. 2. STRIP A MINIMUM OF 12 INCHES OF TOPSOIL AND ROOT ZONES FROM ALL AREAS TO RECEIVE FILL. 3. ALL SITE FILL SHALL BE CONSTRUCTED IN UNIFORM HORIZONTAL LIFTS WITH A MAXIMUM LOOSE THICKNESS OF 8 INCHES. 4. ALL SUBGRADE SURFACES AND CONTROLLED FILL ARE TO BE COMPACTED TO A MINIMUM OF 95 PERCENT OF MAXIMUM DRY DENSITY AS DETERMINED IN ACCORDANCE WITH ASTM D 689 "STANDARD" PROCTOR, AT A MOISTURE CONTENT BETWEEN 1 PERCENTAGE POINTS BELOW AND 5 PERCENTAGE POINTS ABOVE OPTIMUM MOISTURE CONTENT AS DETERMINED IN ACCORDANCE WITH ASTM D 698. 5. COMPACTION TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH THE METHODS OF ASTM D 6938 OR D7698. 6. COMPACTION TESTS SHALL BE CONDUCTED AT THE RATE OF ONE TEST PER 10,000 SQUARE FEET OF SUBGRADE SURFACE AREA OR CONTROLLED FILL SURFACE AREA, WITH NO LESS THAN 2 TESTS PER EACH DAY'S SUBGRADE SURFACE AREA AND NOT LESS THAN 2 TESTS PER LIFT OF CONTROLLED FILL.
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SHEET SET

- C.0 - COVER SHEET
- C.1 - TOPOGRAPHY
- C.2 - OVERVIEW
- C.2.1 - WESTERN LOTS
- C.2.2 - EASTERN LOTS
- C.3 - INFRASTRUCTURE PHASES
- C.3.1 - COLLECTOR ROAD
- C.3.2 - WESTERN ROAD
- C.3.3 - EASTERN ROAD
- C.3.4 - ROAD PROFILES
- C.3.5 - ROAD PROFILES
- C.3.6 - ROAD PROFILES
- C.3.7 - ROAD PROFILES
- C.3.8 - ROAD PROFILES
- C.4 - UTILITY OVERVIEW
- C.4.1 - WATER PLAN
- C.4.2 - SANITARY SEWER PLAN
- C.4.3 - WESTERN UTILITY LAYOUT
- C.4.4 - EASTERN UTILITY LAYOUT
- C.4.5 - SANITARY SEWER PROFILE
- C.4.6 - SANITARY SEWER PROFILE
- C.4.7 - SANITARY SEWER PROFILE
- C.4.8 - SANITARY SEWER PROFILE
- C.4.9 - SANITARY SEWER PROFILE
- C.5.1 - STORM SEWER PLAN
- C.5.2 - STORM SEWER PROFILE
- C.5.3 - STORM SEWER PROFILE

[illegible]

PRAIRIE HOLLOW
LOT LAYOUTS

27701 HACKBERRY DR
SEDALIA, MO 65301

COVER SHEET

DRAWN BY	JAE
CHECKED BY	GRN

SHEET NUMBER:

CO

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PRELIMINARY

Gregory R. Nehring
Professional Engineer
PE - 2011000930

[illegible]

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LOT LAYOUTS

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OVERVIEW

DRAWN BY	JAE
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SHEET NUMBER:

C2.0

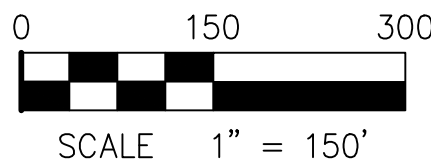
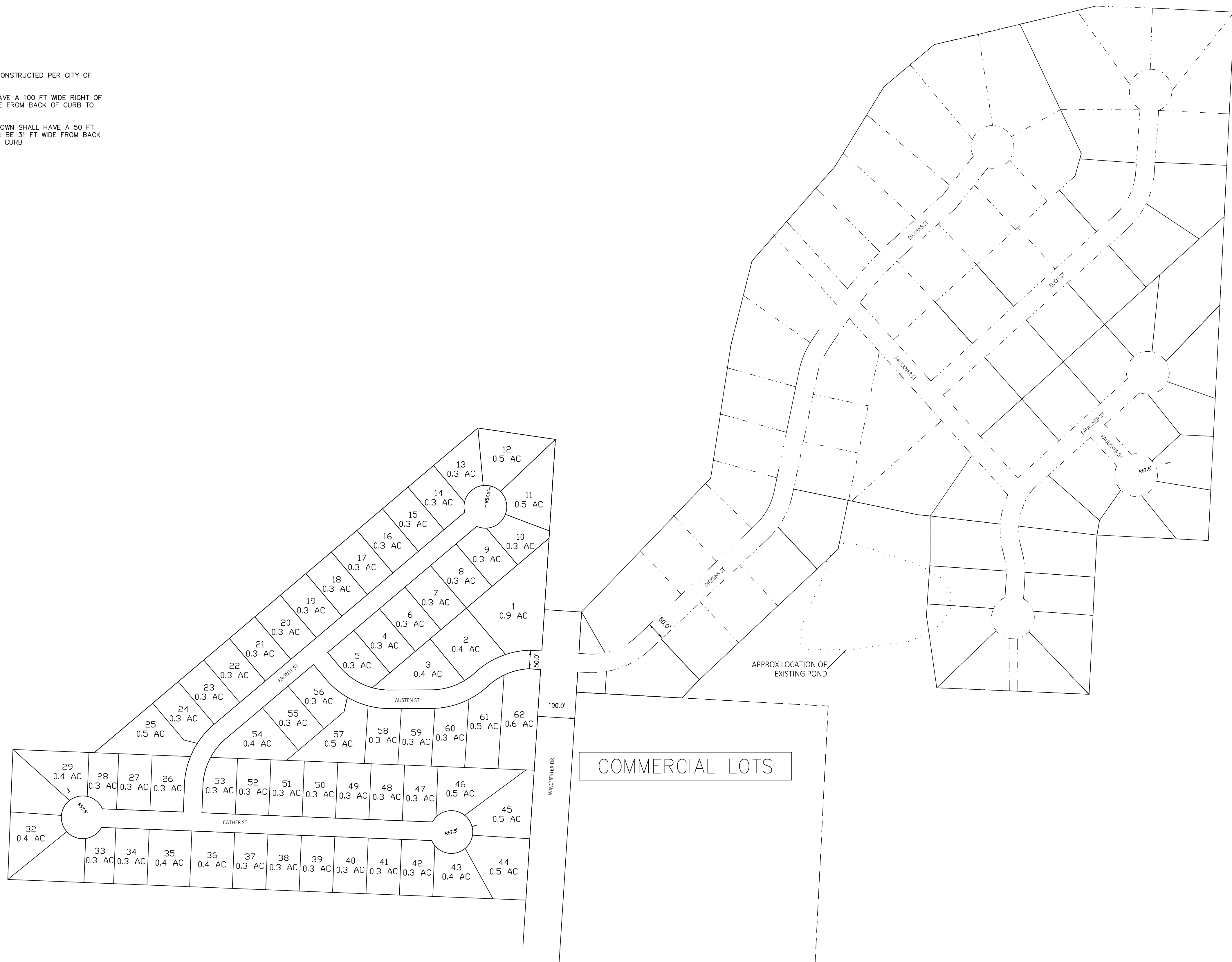
APRIL 21, 2021

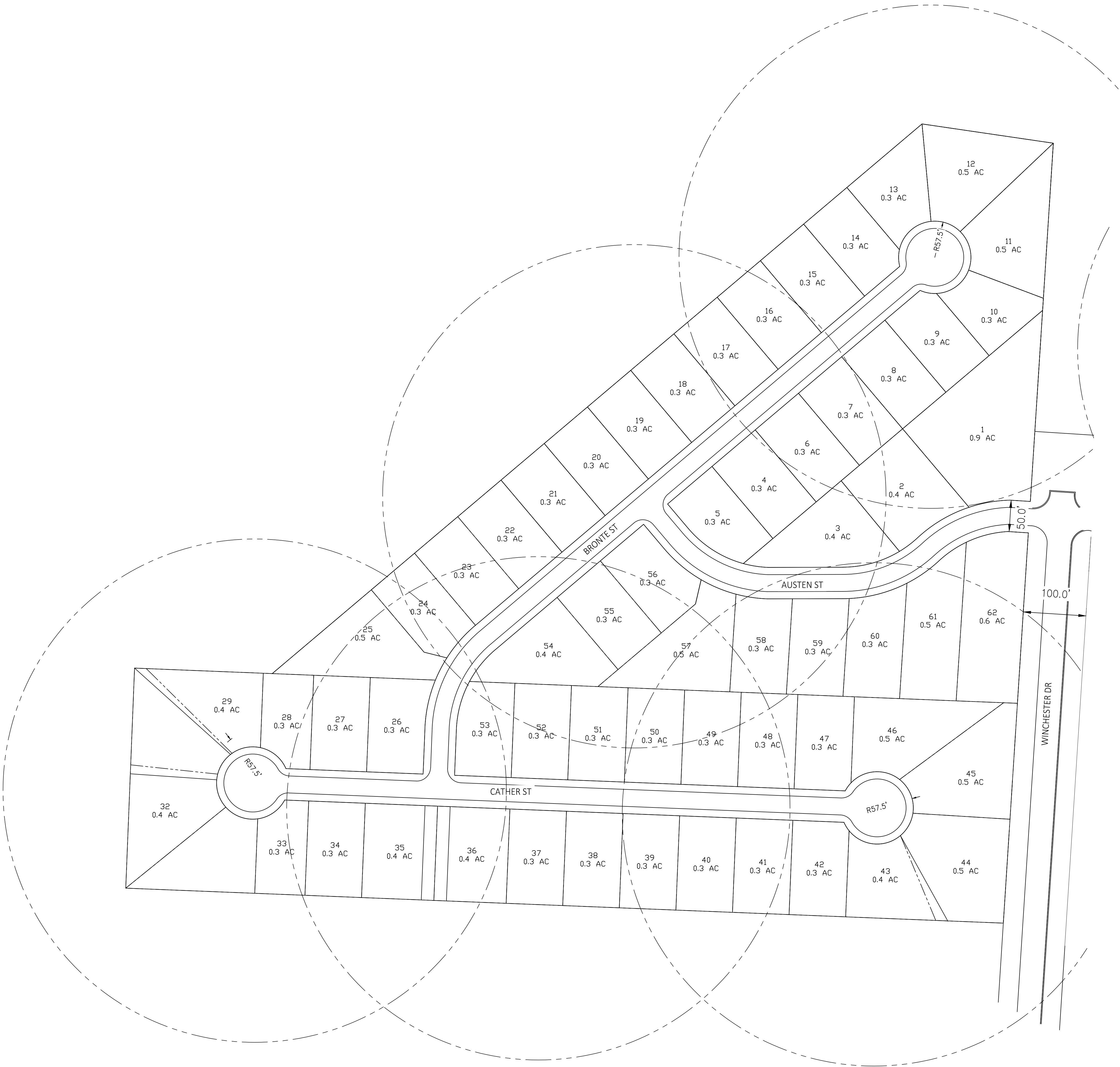
ROAD INFORMATION:

ALL ROADS WILL BE CONSTRUCTED PER CITY OF
SEDALIA STANDARDS

WINCHESTER SHALL HAVE A 100 FT WIDE RIGHT OF
WAY & BE 42 FT WIDE FROM BACK OF CURB TO
BACK OF CURB

ALL OTHER ROADS SHOWN SHALL HAVE A 50 FT
WIDE RIGHT OF WAY & BE 31 FT WIDE FROM BACK
OF CURB TO BACK OF CURB





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[illegible]

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LOT LAYOUTS

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SEDALIA, MO 65301

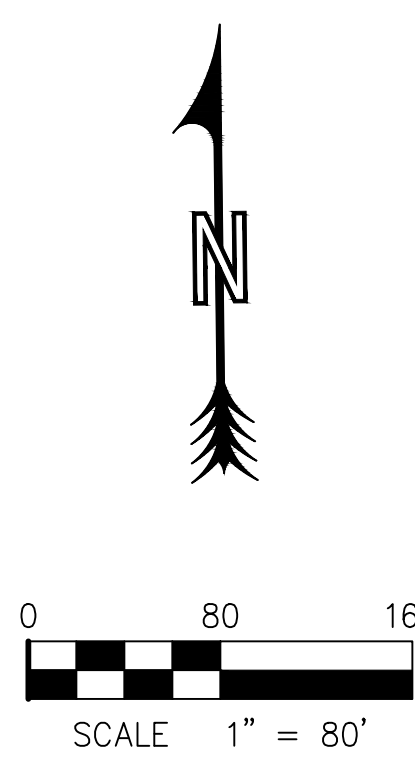
WESTERN LOTS

DRAWN BY	JAE
CHECKED BY	GRN

SHEET NUMBER

C2.1

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EASTERN LOTS

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REQUIREMENTS:

PHASE II:

PHASE III

PHASE IV

PHASE V:

PHASE VI

PHASE VI

PHASE VIII:

PHASE IX:

COLLECTOR:

FUTURE EXTENSIONS:

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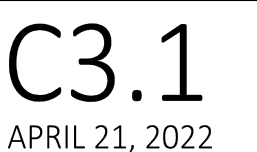
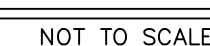
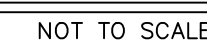
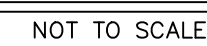
INFRASTRUCTURE PHASES

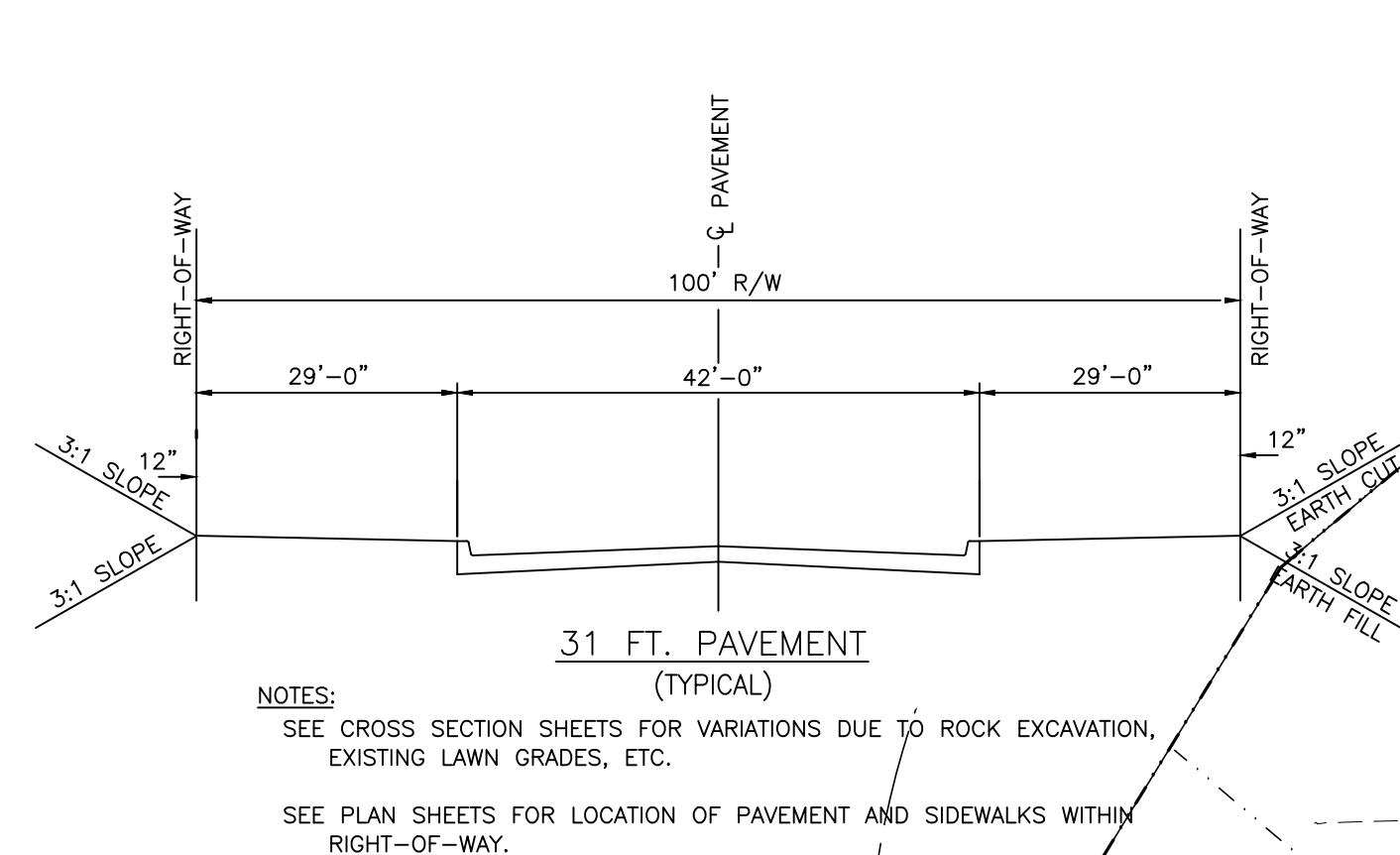
DRAWN BY	JAE
CHECKED BY	GRN

SHEET NUMBER:

C3.0
APRIL 21, 2022

APRIL 21, 2022



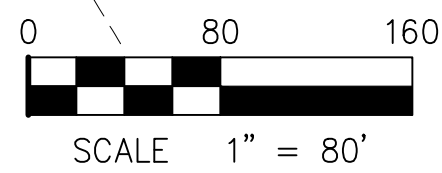


COLLECTOR STREET (CONCRETE)

NOT TO SCALE

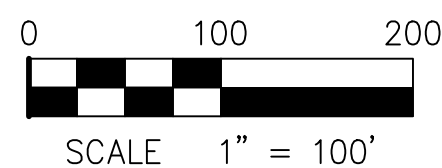
TYPICAL STREET CROSS SECTION (COLLECTOR)

NOT TO SCALE



C3.2
APRIL 21, 2022

APRIL 21, 2022



_____ SS _____ STORM SEWER LINE
 _____ SAN _____ SANITARY SEWER LINE
 _____ W _____ WATER LINE

SANITARY SEWER
- 9,155 LF
- 39 MANHOLES

- 2,665 LF (18" HDPE)
- 242 LF (24" HDPE)
- 26 STORM MANHOLES
- 14 FLARED END SECTIONS

- 7,630 LF
- 12 FIRE HYDRANTS

VERIFY FLOW OF CHANNEL
REGRADE AS NECESSARY

NATIVE VEGETATED

VERIFY FLOW OF CHANNEL
REGRADE AS NECESSARY

APPROX LOCATION OF
EXISTING POND

~~NATIVE VEGETATED
SWALE TO SOL-13~~

NATIVE VEGETATED
SWALE TO SOI - 13

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Professional Engineer
PE – 2011000930

[illegible]PRAIRIE HOLLOW
LOT LAYOUTS

227701 HACKBERRY DR
SEDALIA, MO 65301

UTILITY OVERVIEW

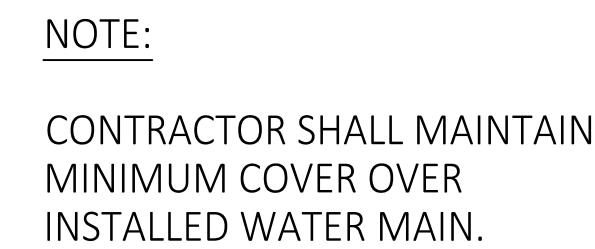
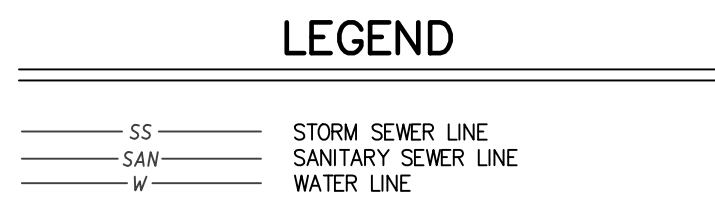
DRAWN BY	JAE
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CHECKED BY	GRN
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SHEET NUMBER: 011

C4.1

APRIL 21, 2021

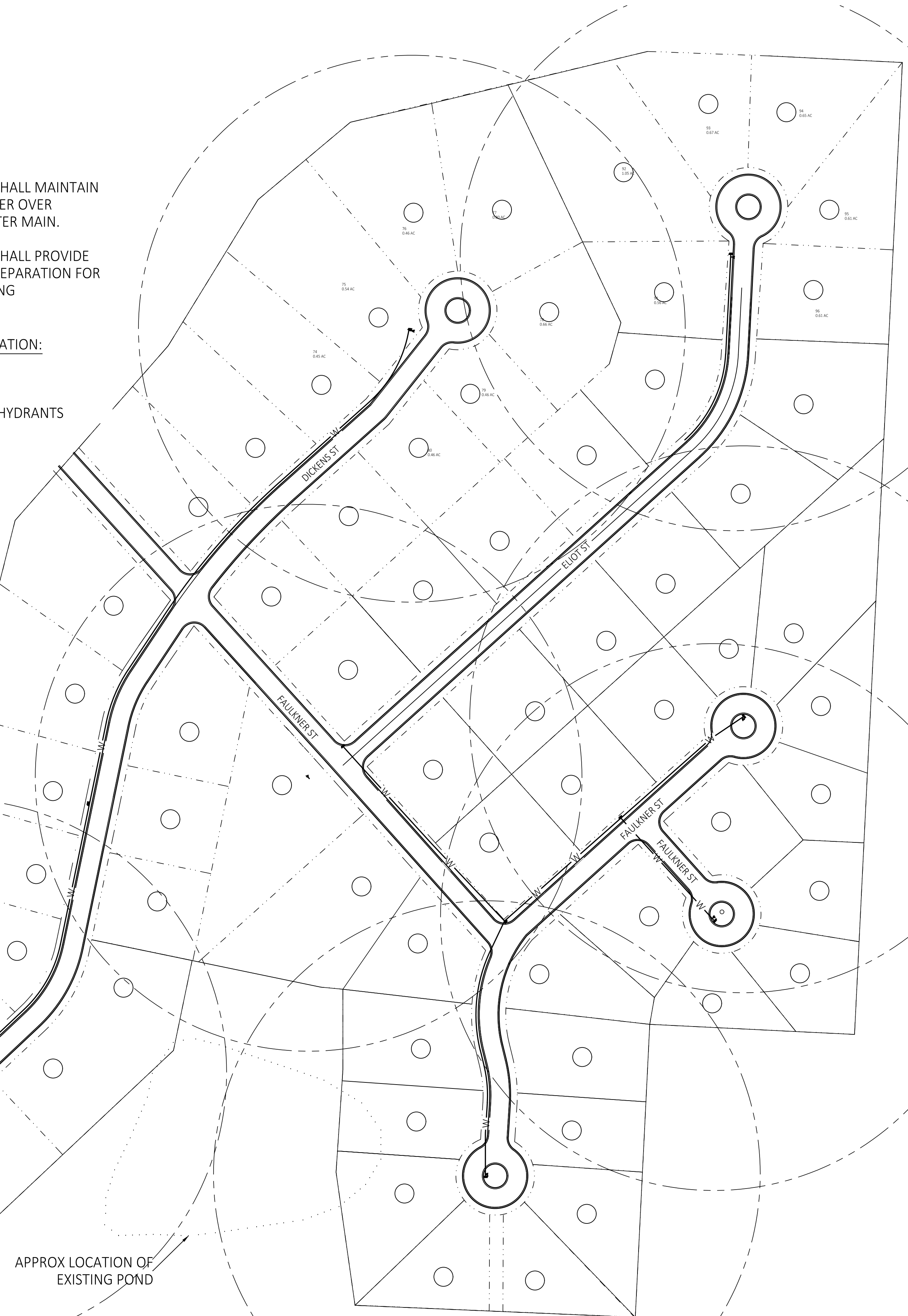


CONTRACTOR SHALL PROVIDE
APPROPRIATE SEPARATION FOR
UTILITY CROSSING

UTILITY INFORMATION:

WATER

- 7,630 LF
- 12 FIRE HYDRANTS



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Professional Engineer
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[illegible]

PRAIRIE HOLLOW
LOT LAYOUTS

27701 HACKBERRY DR
SEDALIA, MO 65301

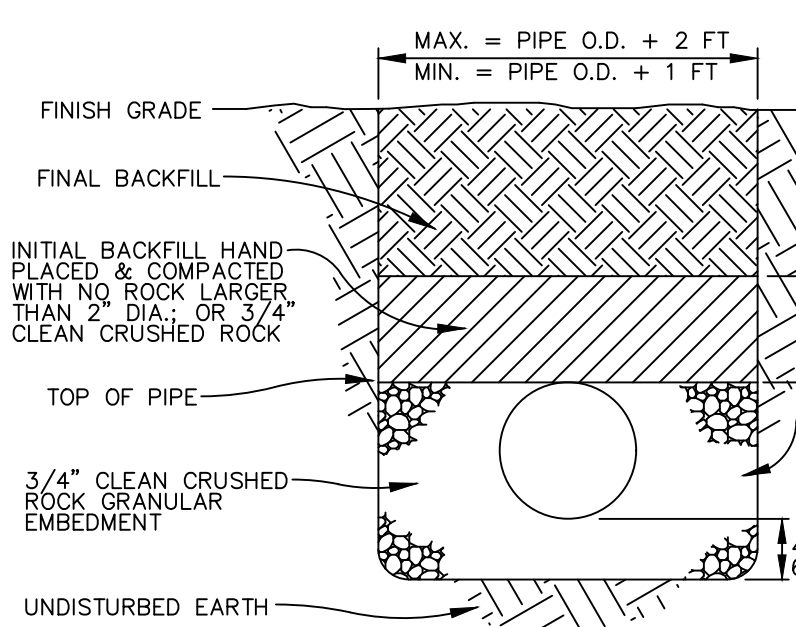
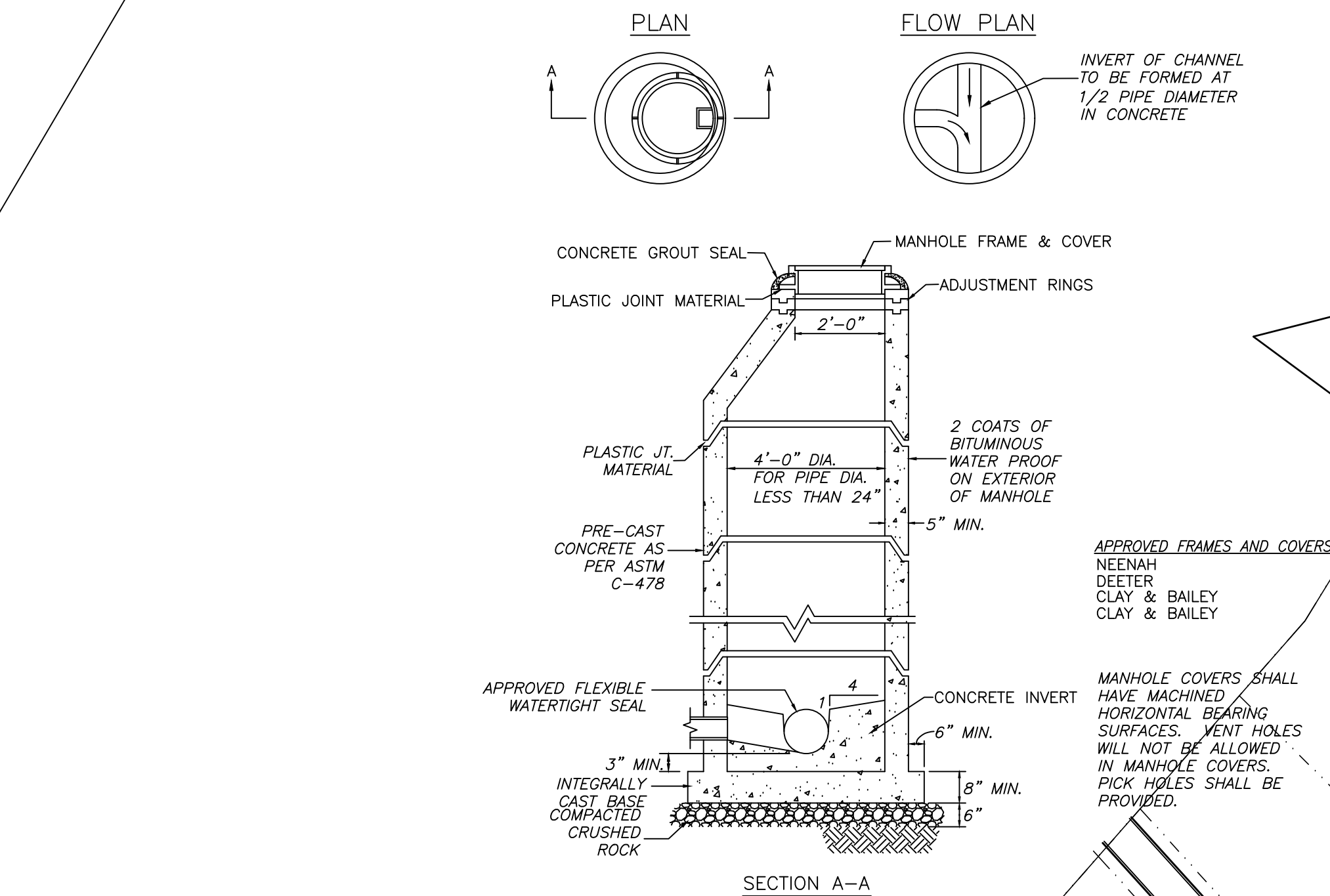
WATER PLAN

DRAWN BY	JAE
CHECKED BY	GRN
SHEET NUMBER: 010	

C4.2
APRIL 21, 2022

Structure Table	
Structure Name	Structure Details
LS - 1 PROVIDED BY CITY OF SEDALIA	RIM = 826.000 SUMP = 818.881
MH - 2	RIM = 832.000 SUMP = 820.000 INV IN = 820.000
MH - 3	RIM = 836.600 SUMP = 826.477 INV IN = 827.000 INV IN = 826.700 INV OUT = 826.500
MH - 4	RIM = 841.587 SUMP = 832.000 INV IN = 832.200 INV OUT = 832.000
MH - 5	RIM = 844.541 SUMP = 835.000 INV IN = 835.200 INV OUT = 835.000
MH - 6	RIM = 848.044 SUMP = 839.000 INV IN = 839.200 INV OUT = 839.000
MH - 7	RIM = 852.328 SUMP = 843.000 INV IN = 843.200 INV OUT = 843.000
MH - 8	RIM = 855.525 SUMP = 845.250
MH - 9	RIM = 859.869 SUMP = 850.000 INV IN = 850.200 INV OUT = 850.000
MH - 10	RIM = 863.859 SUMP = 854.500 INV IN = 854.700 INV OUT = 854.500
MH - 11	RIM = 867.488 SUMP = 858.750 INV IN = 858.950 INV OUT = 858.750
MH - 12	RIM = 869.087 SUMP = 861.000 INV IN = 861.200 INV OUT = 861.000
MH - 13	RIM = 872.207 SUMP = 862.300 INV IN = 862.500 INV OUT = 862.300
MH - 14	RIM = 874.188 SUMP = 863.377 INV IN = 863.900 INV IN = 863.600 INV OUT = 863.400
MH - 15	RIM = 873.900 SUMP = 865.977 INV IN = 866.200 INV OUT = 866.000
MH - 16	RIM = 876.889 SUMP = 868.250 INV OUT = 868.250
MH - 17	RIM = 878.968 SUMP = 869.500 INV IN = 870.000 INV OUT = 869.500
MH - 18	RIM = 888.553 SUMP = 873.250 INV IN = 873.450 INV OUT = 873.250
MH - 19	RIM = 891.205 SUMP = 874.100 INV IN = 875.100 INV IN = 874.600 INV OUT = 874.100
MH - 20	RIM = 884.750 SUMP = 876.050 INV IN = 876.250 INV OUT = 876.050

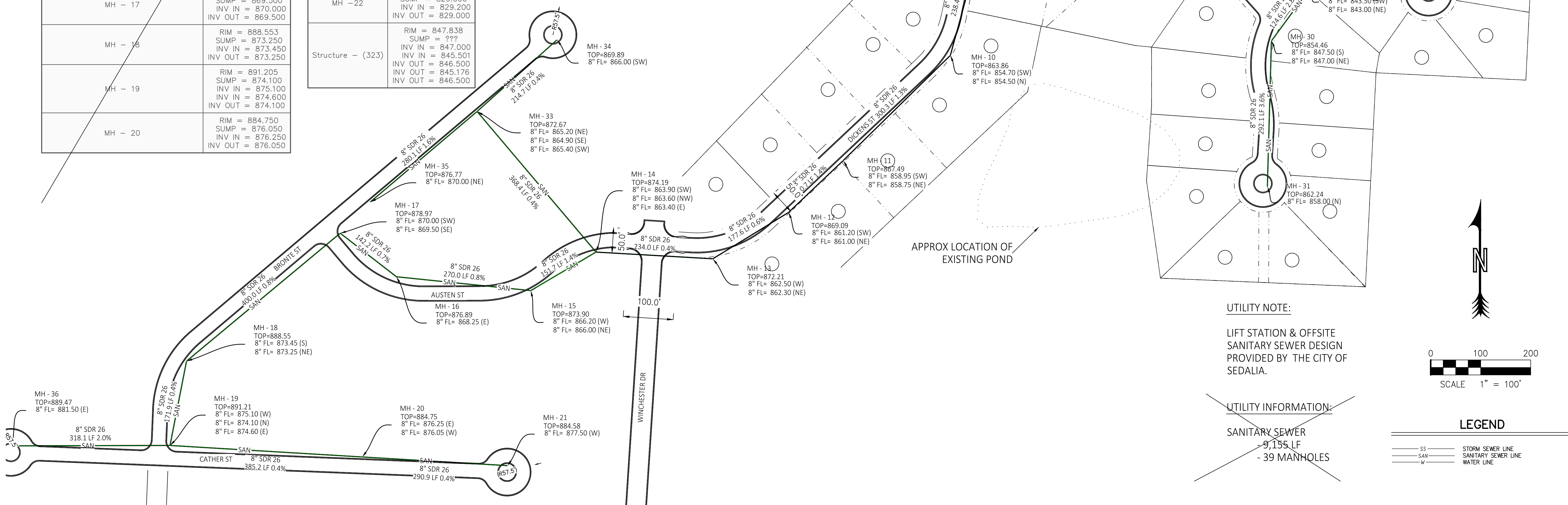
Structure Table	
Structure Name	Structure Details
MH - 21	RIM = 884.578 SUMP = 877.500 INV OUT = 877.500
MH - 23	RIM = 839.084 SUMP = 831.000 INV IN = 831.200 INV OUT = 831.000
MH - 24	RIM = 840.880 SUMP = 832.977 INV IN = 833.200 INV IN = 833.500 INV OUT = 833.000
MH - 25	RIM = 846.713 SUMP = 838.000 INV IN = 838.200 INV OUT = 838.000
MH - 26	RIM = 850.000 SUMP = 839.000
MH - 27	RIM = 840.624 SUMP = 835.250 INV IN = 835.750 INV OUT = 835.250
MH - 28	RIM = 845.259 SUMP = 838.000 INV IN = 838.500 INV IN = 838.500 INV OUT = 838.000
MH - 29	RIM = 850.798 SUMP = 843.000 INV IN = 843.500 INV OUT = 843.000
MH - 30	RIM = 854.462 SUMP = 847.000 INV IN = 847.500 INV OUT = 847.000
MH - 31	RIM = 862.237 SUMP = 858.000 INV OUT = 858.000
MH - 32	RIM = 849.045 SUMP = 842.000 INV OUT = 842.000
MH - 33	RIM = 872.671 SUMP = 864.877 INV IN = 865.200 INV IN = 865.400 INV OUT = 864.900
MH - 34	RIM = 869.894 SUMP = 865.977 INV OUT = 866.000
MH - 35	RIM = 876.773 SUMP = 870.000 INV OUT = 870.000
MH - 36	RIM = 889.471 SUMP = 881.500 INV OUT = 881.500
MH - 38	RIM = 827.969 SUMP = 822.000
MH - 39	RIM = 0.000 SUMP = -3.601
MH -22	RIM = 837.102 SUMP = 829.000 INV IN = 829.200 INV OUT = 829.000
Structure - (323)	RIM = 847.838 SUMP = ??? INV IN = 847.000 INV IN = 845.501 INV OUT = 846.500 INV OUT = 845.176 INV OUT = 846.500



NOTES:

1. GRANULAR FILL TO BE CRUSHED STONE OR PEA GRAVEL WITH NOT LESS THAN 95% PASSING A 1/2" SIEVE AND AT LEAST 95% IS RETAINED ON A NO. 4 SIEVE WITH A MAX. PARTICLE SIZE OF 3/4" PLACED IN UNIFORM LAYERS NOT TO EXCEED 6" THICKNESS AND COMPACTED BY SLICING WITH A SHOVEL OR VIBRATOR
2. SEE DETAILS 2.103, 2.104, AND 2.105 WHEN PIPE EMBEDMENT COINCIDES WITH PAVEMENT, DRIVEWAY, OR SIDEWALK PATCHING.

PIPE EMBEDMENT DETAIL

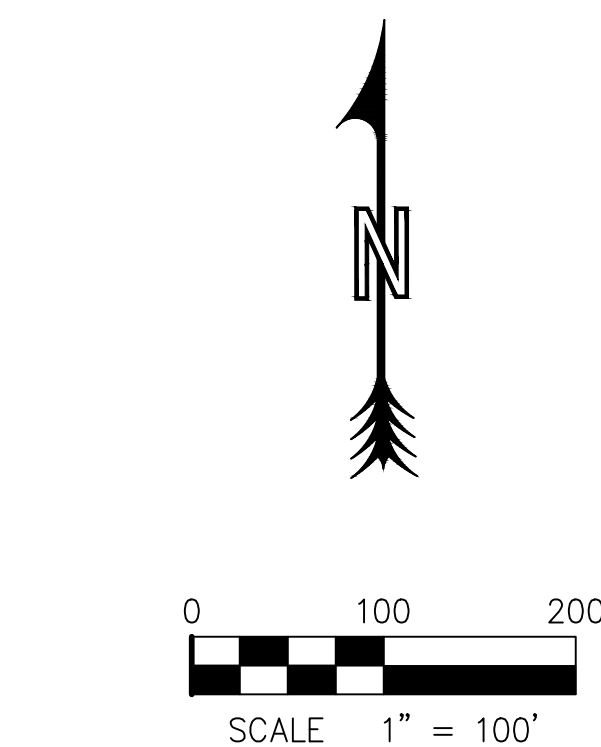


UTILITY NOTE:

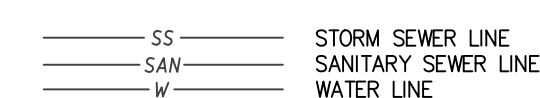
LIFT STATION & OFFSITE
SANITARY SEWER DESIGN
PROVIDED BY THE CITY OF
SEDALIA.

~~UTILITY INFORMATION:~~

~~SANITARY SEWER
- 9,155 LF
- 39 MANHOLES~~



LEGEND



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Gregory R. Nehring
Professional Engineer
PE – 2011000930

[illegible]PRAIRIE HOLLOW
LOT LAYOUTS

27701 HACKBERRY DR

SANITARY SEWER
PLAN

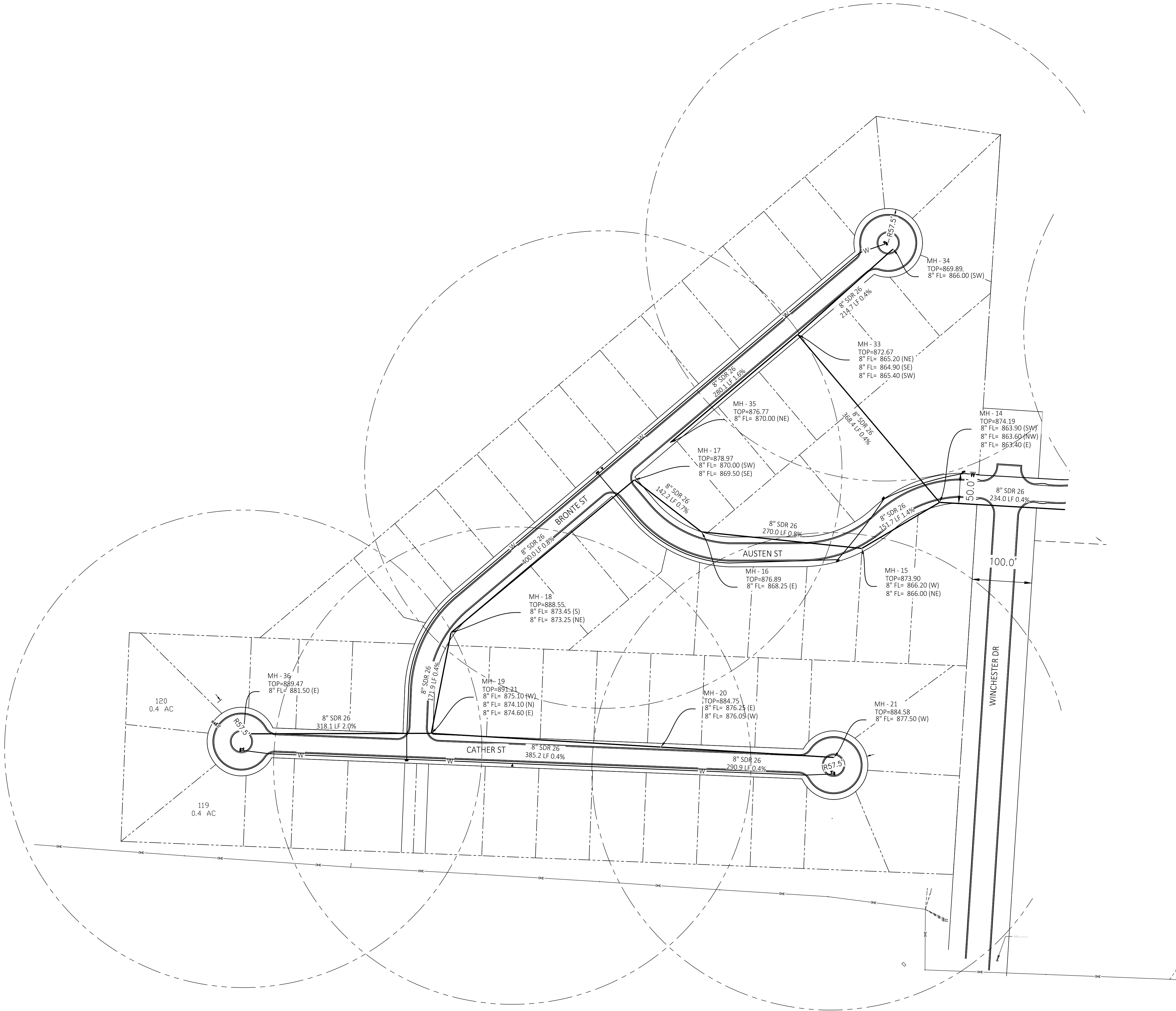
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JAE

SHEET NUMBER:

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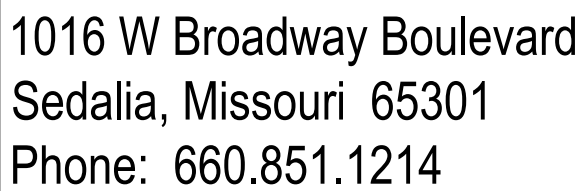
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Professional Engineer
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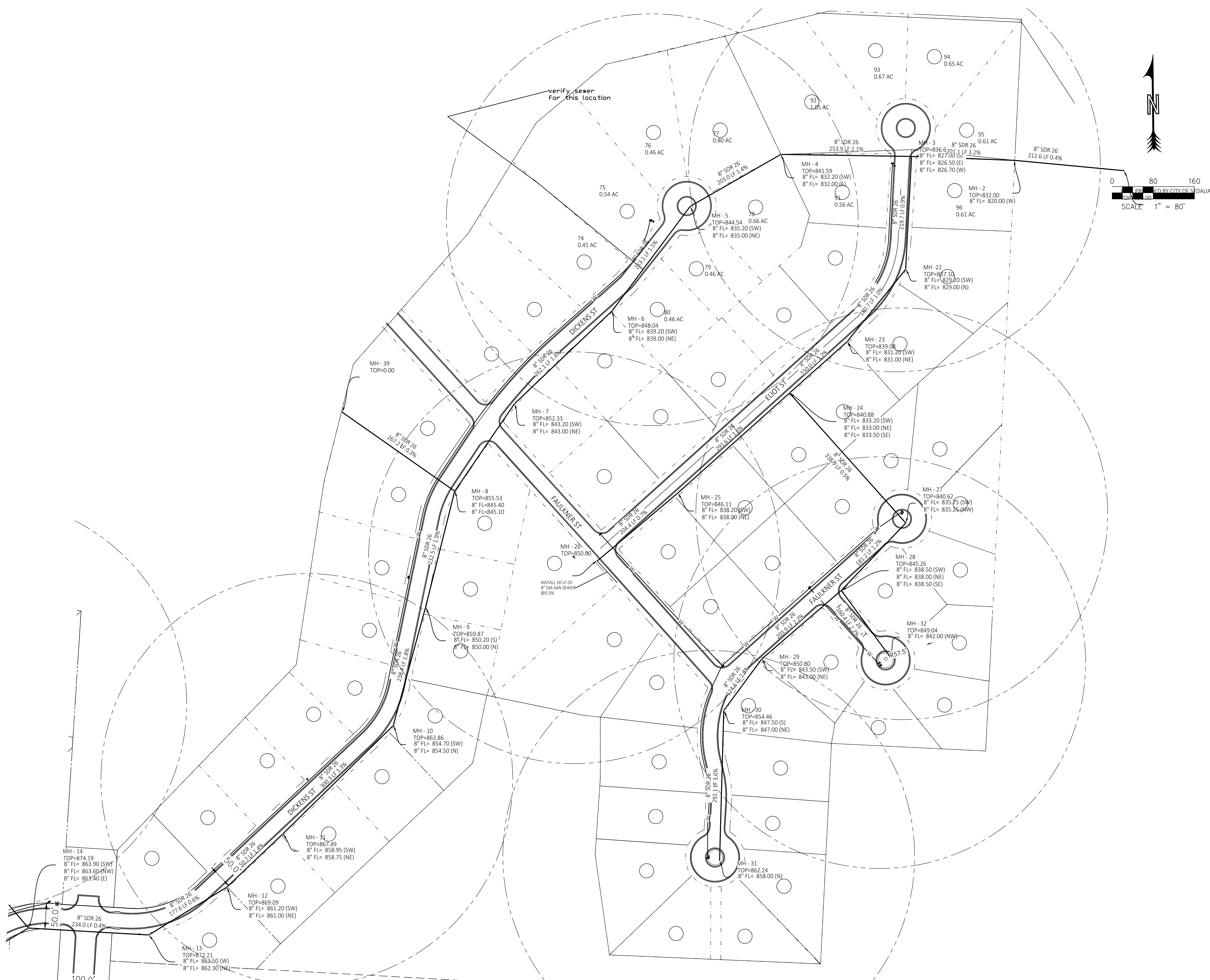
PRAIRIE HOLLOW
LOT LAYOUTS

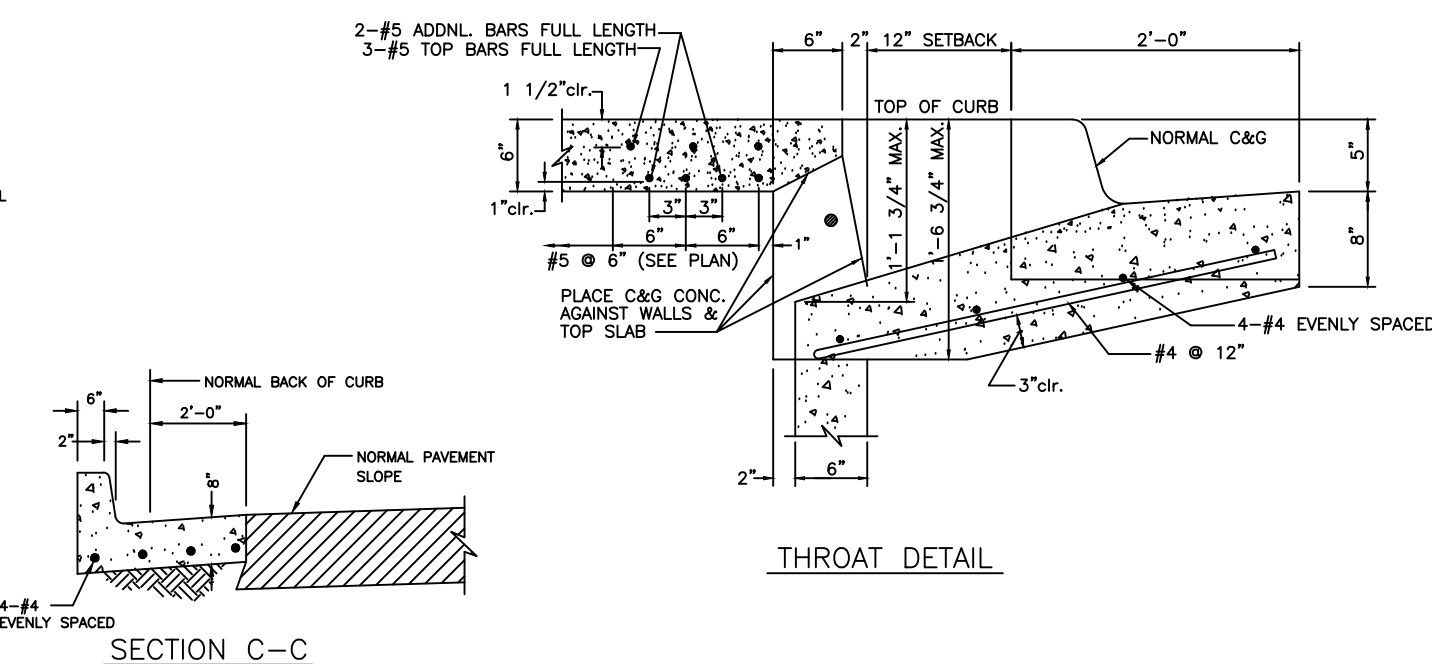
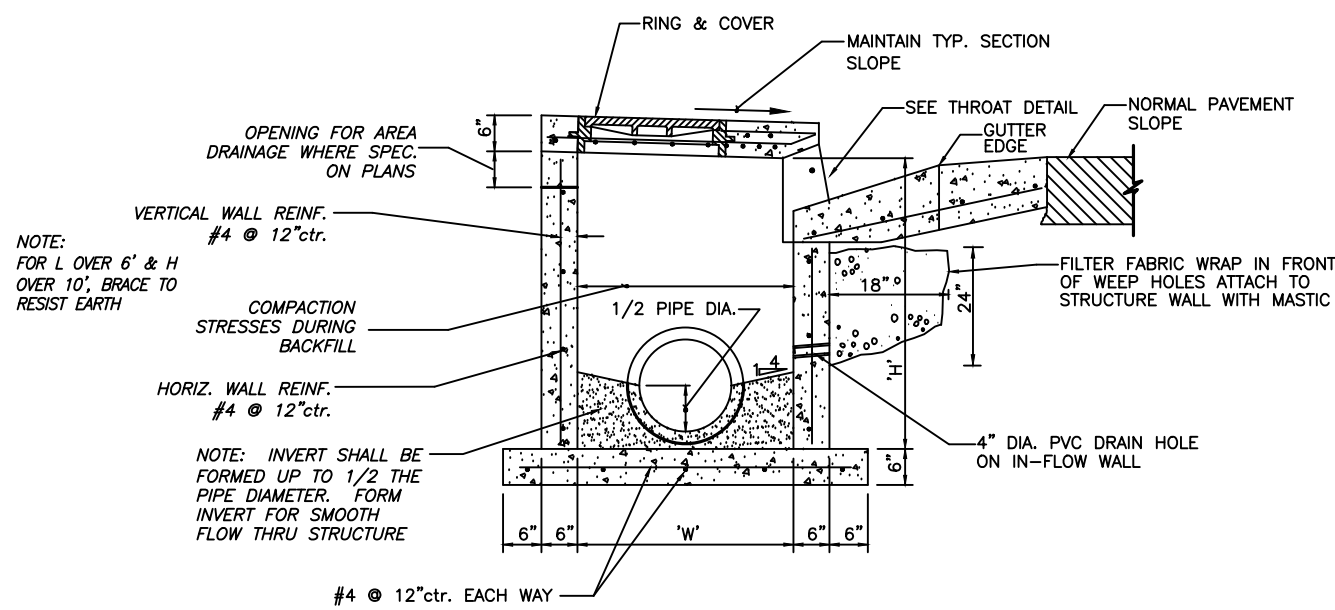
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EASTERN UTILITY LAYOUT

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CHECKED BY	GRN

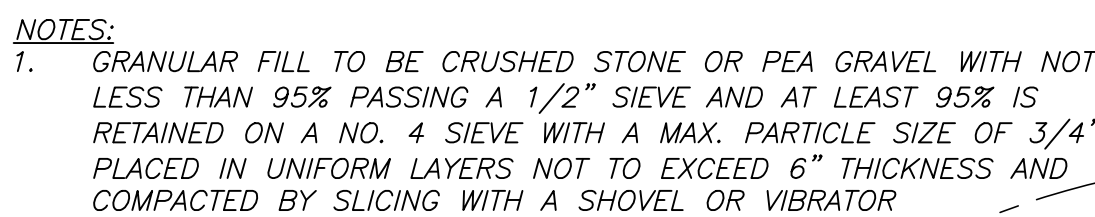
C4.5
APRIL 21, 2021





TYPE A INLET (PLAN & SECTIONS)

NOT TO SCALE



PIPE EMBEDMENT DETAIL



DUE TO THE NATURAL CURVATURE OF THE CHANNEL SOME FLARED END SECTIONS MAY BE A SEVERAL FEET FROM THE EDGE OF THE EXISTING CHANNEL. THE CONTRACTOR SHALL EXCAVATE THE NECESSARY SOIL TO CONNECT THE STORM SEWER TO THE CHANNEL.

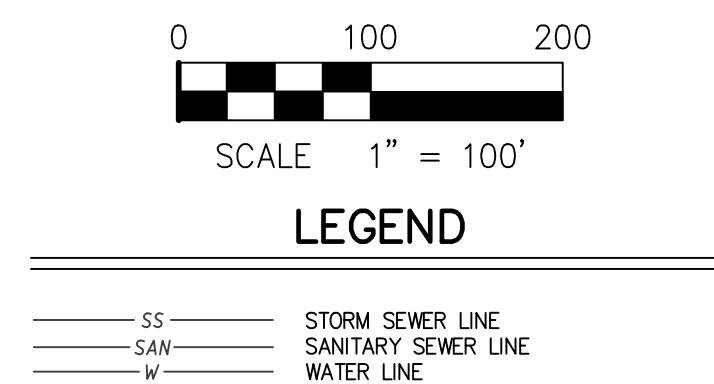
UTILITY INFORMATION:

STORM SEWER

- 2,665 LF (18" HDPE)
- 242 LF (24" HDPE)
- 26 STORM MANHOLES
- 14 FLARED END SECTIONS

FLARED END SECTIONS SHALL
COMPLY WITH MODOT
STANDARDS.

COMBINATION INLETS SHALL BE USED FROM ALL STORM INLETS EXCEPT INLETS STRUCTURES I2, I3, J2, AND J3.



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PRAIRIE HOLLOW

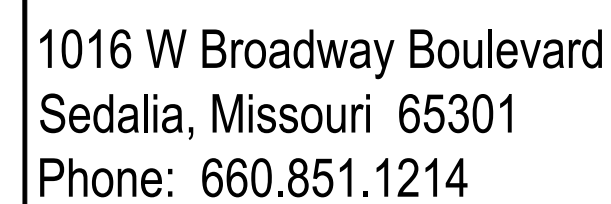
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STORM SEWER PLAN

DRAWN BY

C5.1

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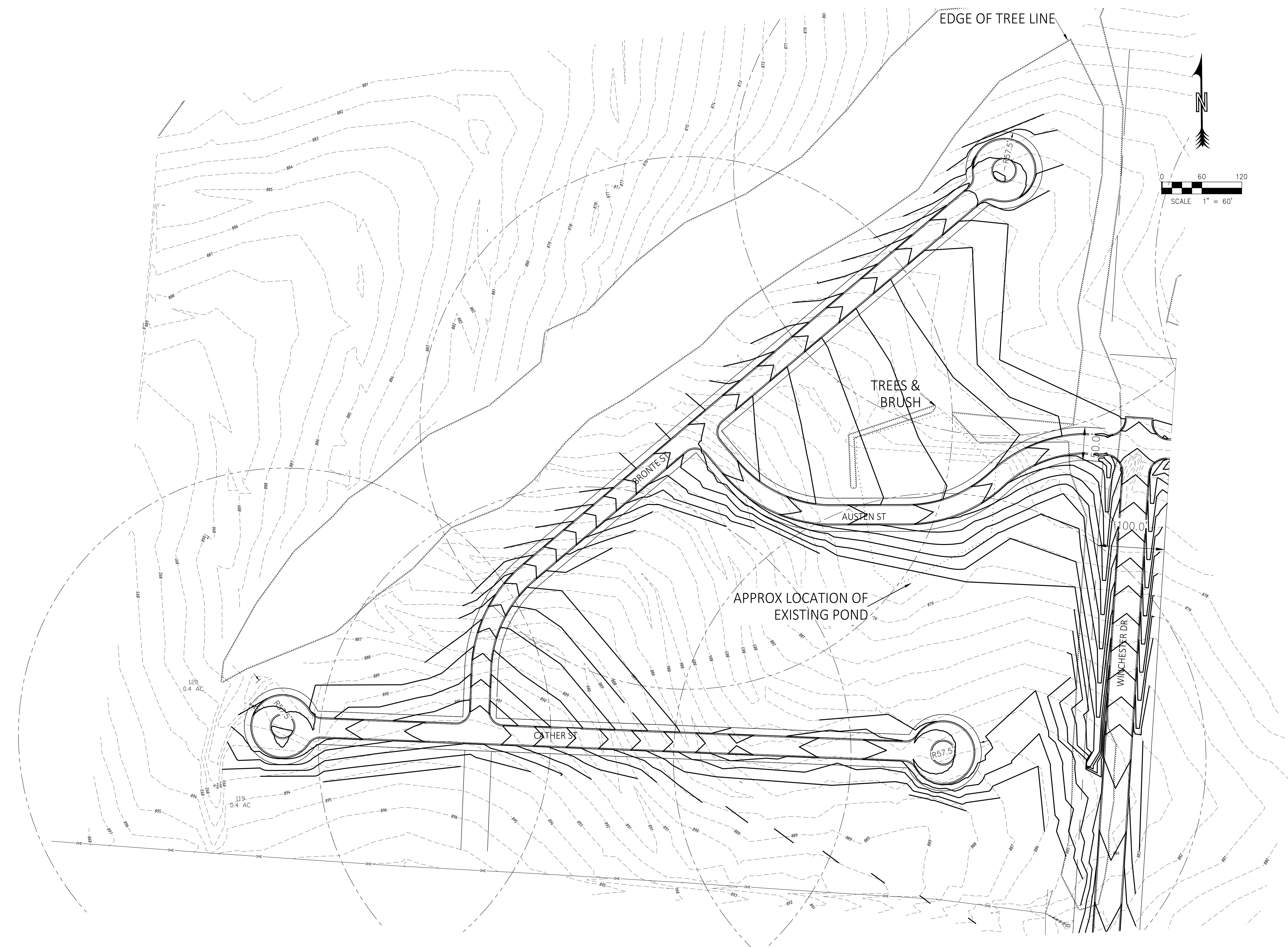
PRAIRIE HOLLOW

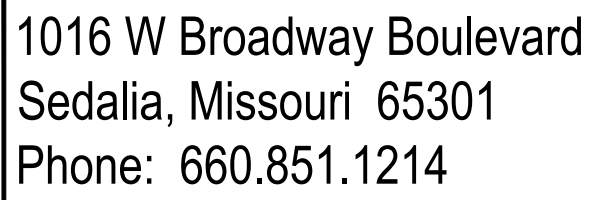
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WESTERN ROADS

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SHEET NUMBER: C3.1
SEPTEMBER 24, 2019





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PRELIMINARY

[illegible]

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EASTERN ROADS

DRAWN BY	JAE
CHECKED BY	GRN

C3.2

SEPTEMBER 24, 2021

