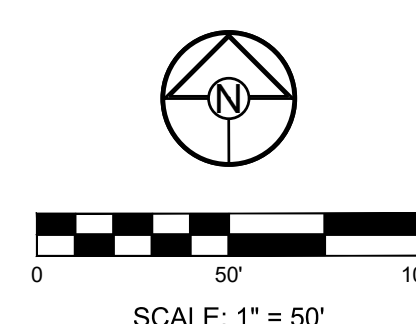
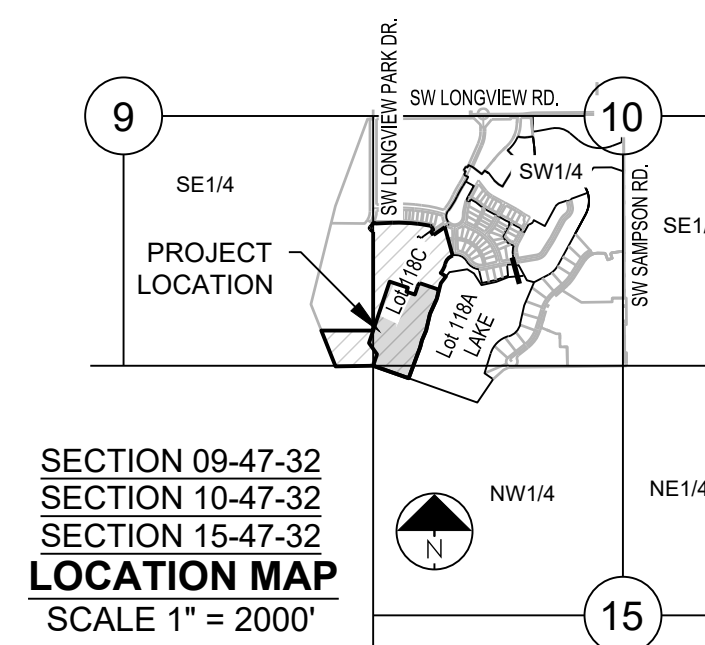




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Date: 8/8/2023
 Certified by: BAL
 Title: Design Engineer
 Firm: Schlager and Associates, P.A.



BM JA-148, IS A STAMPED KC METRO DISK SET IN CONCRETE LOCATED 2 MILES WEST OF THE INTERSECTION OF HIGHWAY 50 AND 3RD ST. IT IS 44 FT NORTH OF THE CENTER OF 3RD ST. AND 102.5 FT WEST OF THE CENTER OF THE EXIT FROM THE ADJACENT PARKING LOT.

ELEV. 935.18

CHISELED "SQUARE" ON STORM CURB INLET AT NORTHWEST
INTERSECTION OF SW. TOWER PARK DRIVE AND SW. LONGVIEW
BOULEVARD.

NORTHING: 998893.4148
EASTING: 2803318.5413
ELEV. 1004.09

The bases of bearing and coordinates are base on the Missouri Coordinate System of 1983, West Zone (2003 Adjustment) with a Grid Factor of 0.9999020.

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(913) 492-5155 • Fax: (913) 492-8400
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Missouri State Office of Authority
#E202001203800-F #LS202008589-F

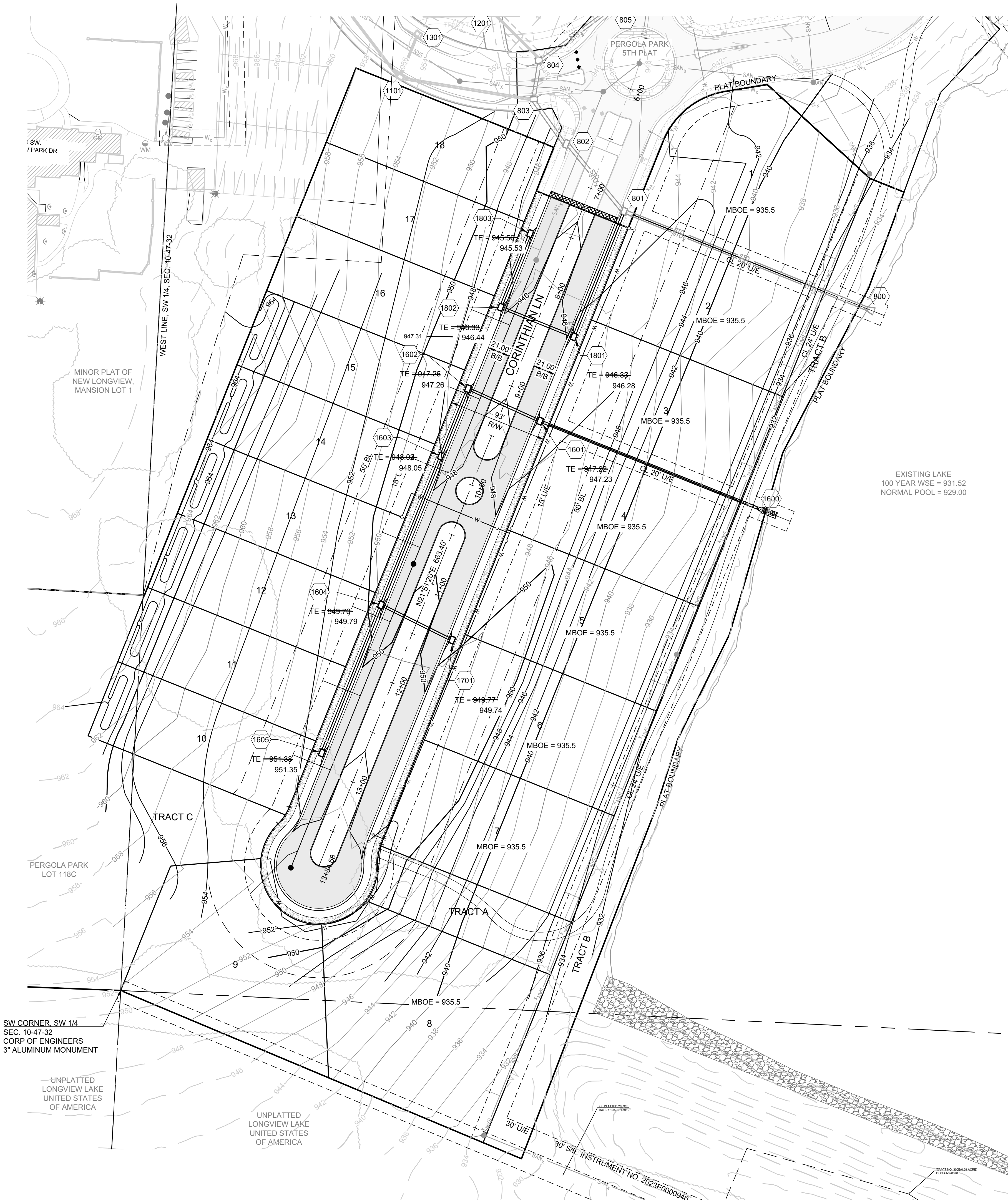


LUMBERMAN'S ROW
STREET, STORMWATER, MASTER DRAINAGE
PLAN & EROSION AND SEDIMENT CONTROL
- LEE'S SUMMIT, MISSOURI

DRAWN BY:	REVISION DATE	DESCRIPTION
BAL	A 8-12-23	CITY COMMENTS
	B 8-6-23	AS-BUILT'S
CHECKED BY:	A 8-31-23	AS-BUILT COMMENTS
IMB	A	
	B	
DATE PREPARED:	A	
5-6-22	B	
	A	
PROJ. NUMBER:	A	
70 024	B	

SHEET

2



EARTHWORK SUMMARY	
CUT	24,183 CY
FILL	20,290 CY
NET	3,893 CY CUT

RECORD DRAWING

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Date: 8/8/2023
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Title: Design Engineer
Firm: Schlager and Associates, P.A.

NOTE:

THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING UTILITY LOCATIONS PRIOR TO EXCAVATIONS.

- 950 DENOTES PROPOSED MAJOR CONTOUR
- 950 DENOTES PROPOSED MINOR CONTOUR
- 950 DENOTES EXISTING MAJOR CONTOUR
- 950 DENOTES EXISTING MINOR CONTOUR
- 950 DENOTES AS-BUILT MAJOR CONTOUR
- 950 DENOTES AS-BUILT MINOR CONTOUR

MISSOURI GEOGRAPHIC REFERENCE SYSTEM BENCH MARK:

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ELEV. 935.18

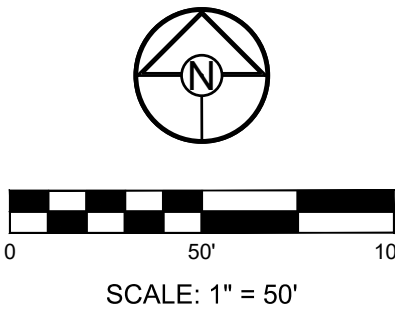
PROJECT BENCHMARK:

CHISELED "SQUARE" ON STORM CURB INLET AT NORTHWEST INTERSECTION OF SW. TOWER PARK DRIVE AND SW. LONGVIEW BOULEVARD.

NORTHING: 998893.4148
EASTING: 2803318.5413
ELEV. 1004.09

SURVEY NOTES

The bases of bearing and coordinates are base on the Missouri Coordinate System of 1983, West Zone (2003 Adjustment) with a Grid Factor of 0.9999020.



PREPARED BY:



SCHLAGEL & ASSOCIATES, P.A.

LUMBERMAN'S ROW
STREET, STORMWATER, MASTER DRAINAGE
PLAN & EROSION AND SEDIMENT CONTROL
- LEE'S SUMMIT, MISSOURI

REVISION DATE	DESCRIPTION
8-12-22	CITY COMMENTS
8-23-22	AS-BUILTS
8-31-23	AS-BUILT COMMENTS
9-1-23	AS-BUILT COMMENTS
9-1-23	AS-BUILT COMMENTS
9-1-23	AS-BUILT COMMENTS
9-1-23	AS-BUILT COMMENTS
9-1-23	AS-BUILT COMMENTS
9-1-23	AS-BUILT COMMENTS
9-1-23	AS-BUILT COMMENTS

MASTER
DRAINAGE PLAN
- GRADING PLAN

SHEET

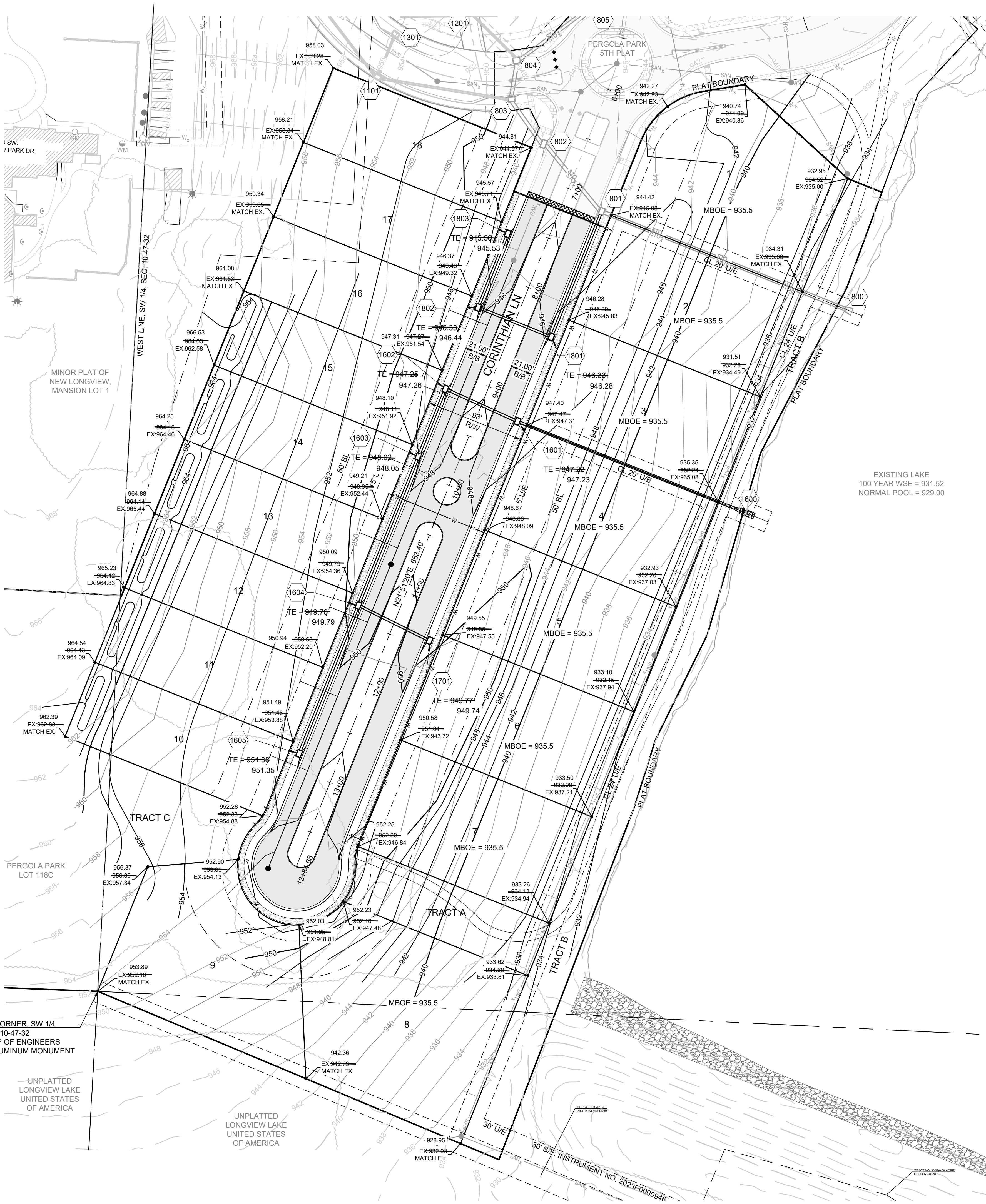
3

RECORD DRAWING

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Date: 8/8/2023
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Title: Design Engineer
Firm: Schlagel and Associates, P.A.

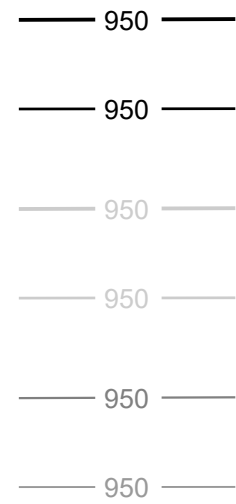


LOT TYPE TABLE					
LOT #	BASEMENT TYPE	FRONT MBOE	REAR MBOE	AS-BUILT FRONT MBOE	AS-BUILT REAR MBOE
1	WALKOUT	945.60	935.50	944.90	935.50
2	WALKOUT	946.40	935.50	946.80	935.50
3	WALKOUT	948.00	935.50	947.90	935.50
4	WALKOUT	948.60	935.50	949.20	935.50
5	WALKOUT	950.40	935.50	950.05	935.50
6	WALKOUT	951.60	935.50	951.10	935.50
7	WALKOUT	947.40	935.50	952.75	935.50
8	WALKOUT	952.00	935.50	952.75	935.50
9	STANDARD	953.60	952.60	953.40	954.40
10	STANDARD	952.90	952.90	952.80	952.80
11	STANDARD	952.00	952.00	952.00	952.00
12	STANDARD	951.20	951.20	951.50	951.50
13	STANDARD	950.30	950.30	950.60	950.60
14	STANDARD	949.50	949.50	949.70	949.70
15	STANDARD	948.70	948.70	948.60	948.60
16	STANDARD	947.80	947.80	947.80	947.80
17	STANDARD	947.00	947.00	946.90	946.90
18	STANDARD	946.30	946.30	946.10	946.10

ALL LOTS TO REQUIRE AS-GRADED PLOT PLANS

NOTE:

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ELEV. 935.18

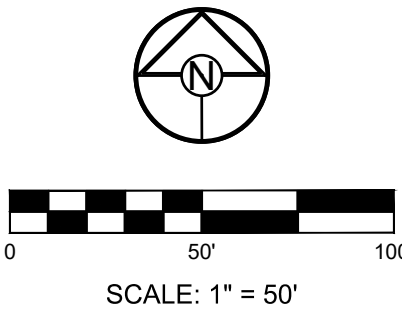
PROJECT BENCHMARK:

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NORTHING: 998893.4148
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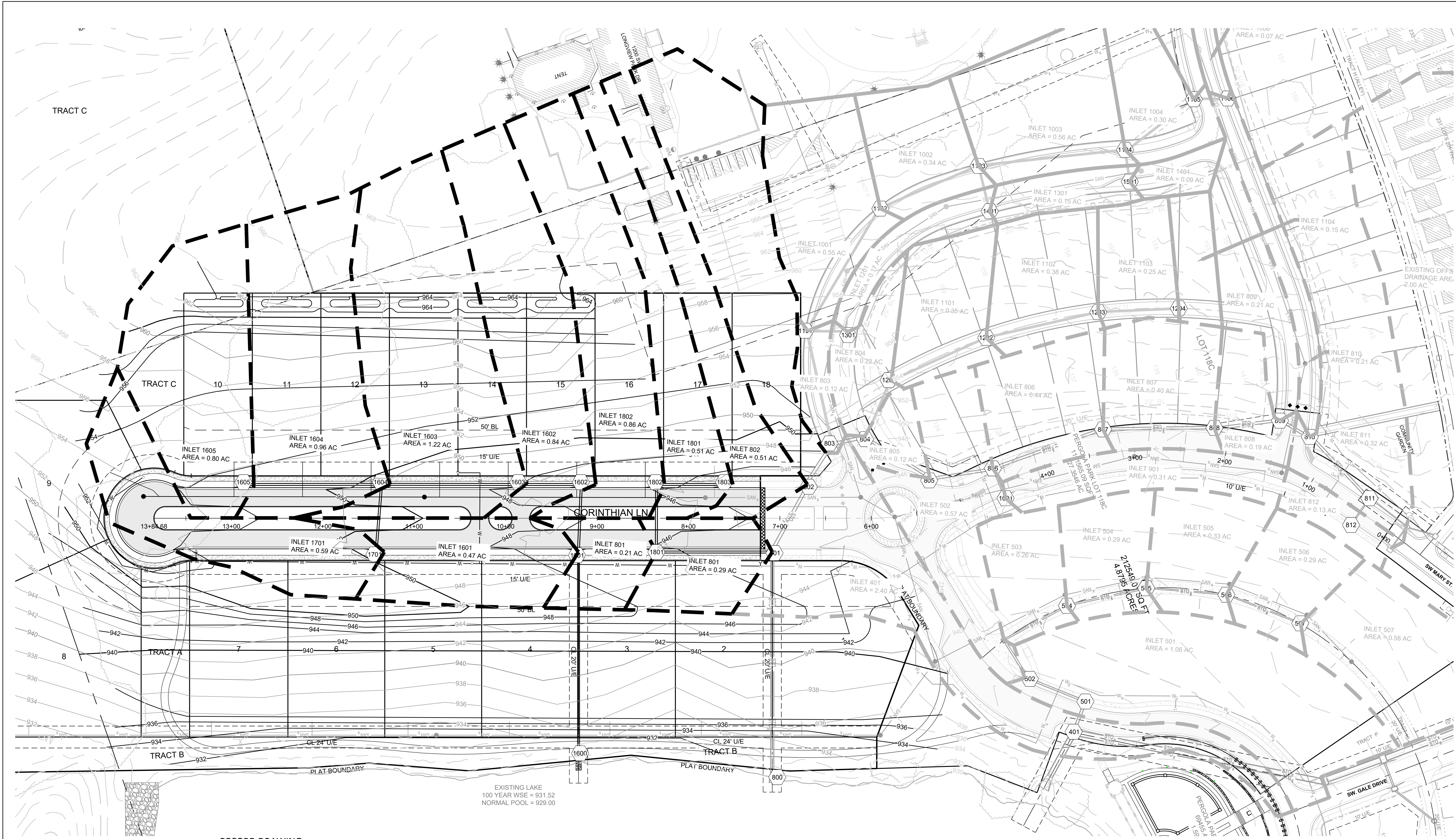
SURVEY NOTES

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REVISION DATE	DESCRIPTION
8-12-22	CITY COMMENTS
8-23	AS-BUILTS
8-31-23	AS-BUILT COMMENTS
9-1-23	AS-BUILT COMMENTS
9-1-23	AS-BUILT COMMENTS
9-1-23	AS-BUILT COMMENTS
9-1-23	AS-BUILT COMMENTS
9-1-23	AS-BUILT COMMENTS
9-1-23	AS-BUILT COMMENTS
9-1-23	AS-BUILT COMMENTS

DRAWN BY:	BAL
CHECKED BY:	MAB
DATE PREPARED:	8-22
PROJ. NUMBER:	22-534



RECORD DRAWING

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Date: 8/8/2023
Certified by: BAL
Title: Design Engineer
Firm: Schlager and Associates, P.A.

- PROPOSED DRAINAGE
- EXISTING DRAINAGE
- FUTURE DRAINAGE

MISSOURI GEOGRAPHIC REFERENCE SYSTEM
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Missouri State Certificate of Authority
#E200200360F #LAC200100523 #LS200200859F

PREPARED BY:

09.06.2023

SCHLAGEL & ASSOCIATES, P.A.

LUMBERMAN'S ROW
STREET, STORMWATER, MASTER DRAINAGE
PLAN & EROSION AND SEDIMENT CONTROL
- LEE'S SUMMIT, MISSOURI

REVISION DATE	DESCRIPTION	CITY COMMENTS	AS-BUILT COMMENTS
8-12-22	BAL		
8-8-23	MAB		
8-31-23	MAB		
DATE PREPARED	8-8-22		
PROJ. NUMBER	22-034		

MASTER
DRAINAGE PLAN
- DRAINAGE MAP

SHEET
5

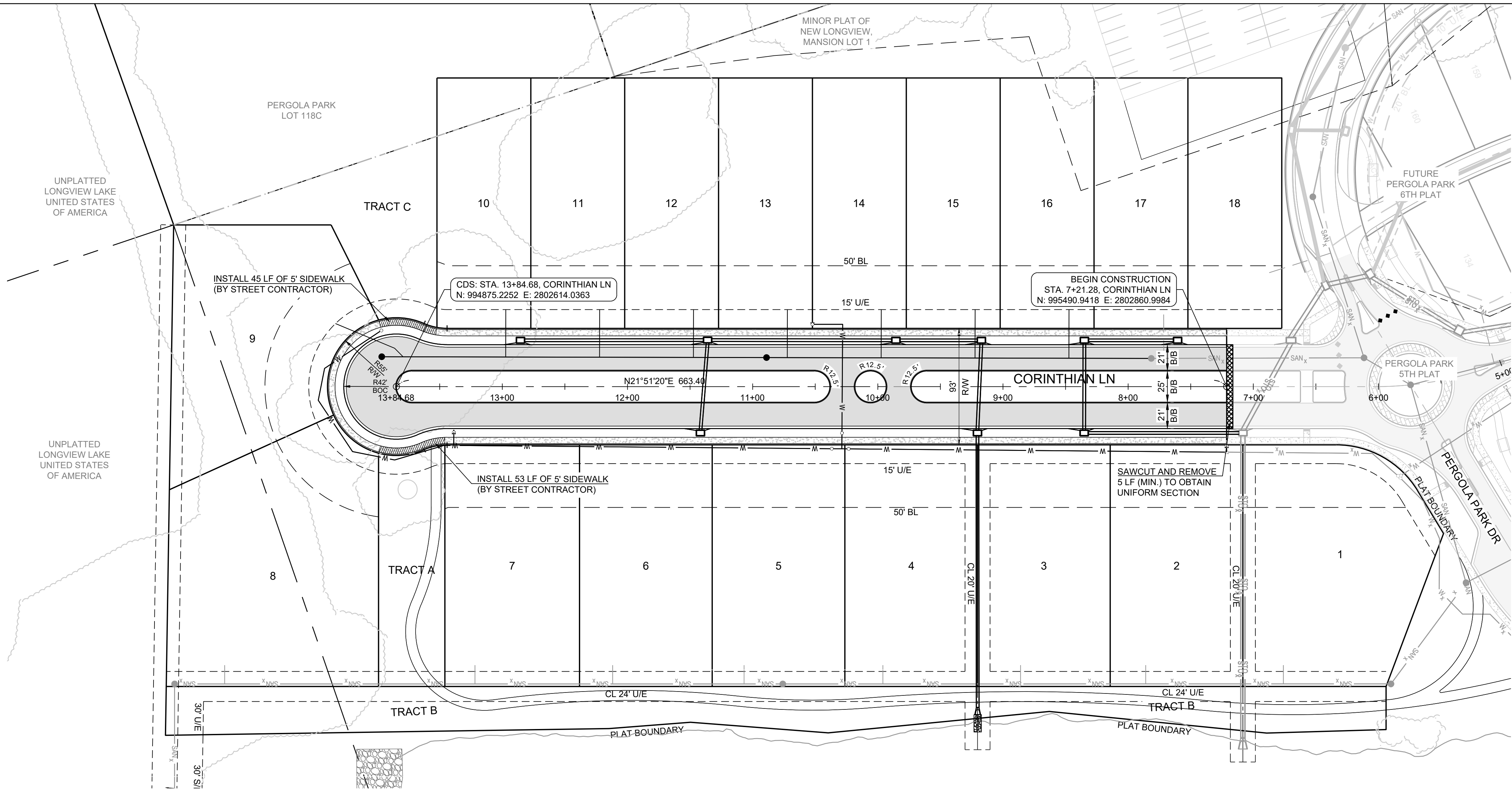
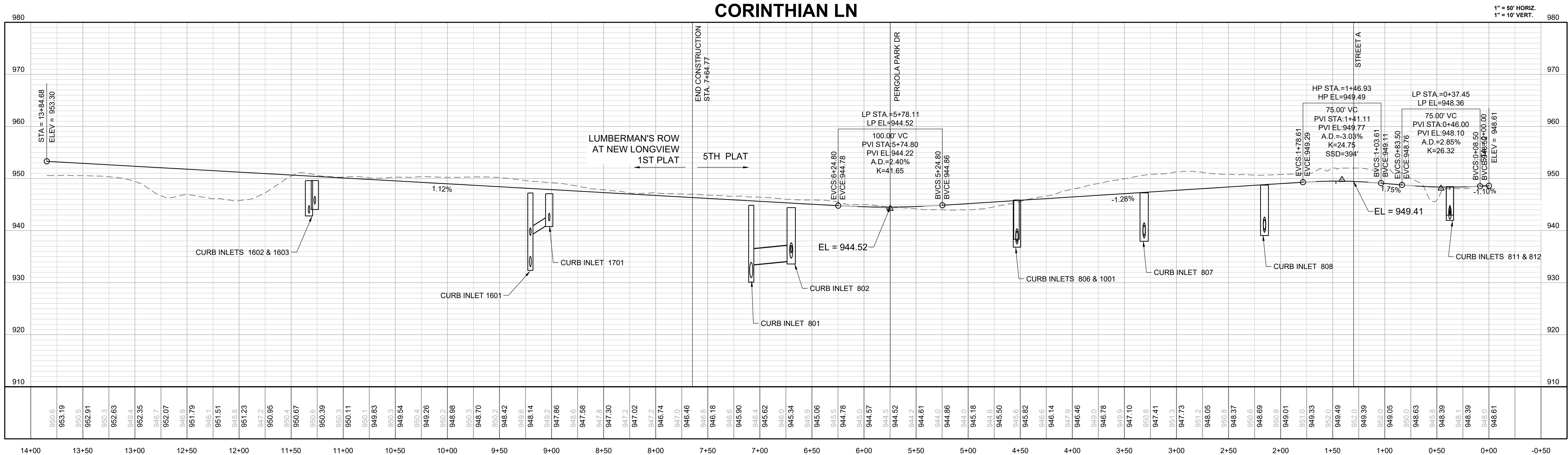
FUTURE 6TH PLATFUTURE 6TH PLAT

Date: 8/8/2023
 Certified by: BAL
 Title: Design Engineer
 Firm: Schlagel and Associates, P.A.

I:\PROJECTS\2022\22-04\3.0 Design\3.0 DWG Plans\6.0 SS\22-04-SS-DRAINAGE.dwg, 7 DRAINAGE CALCS CONT, 9/7/2023 3:17:41 PM, 1:1

GUTTER SPREAD AND INLET CAPACITY CALCULATIONS - LUMBERMAN'S ROW																						
DESIGN STORM			10	CURB TYPE "A" = LAZY BACK																		
"K" FACTOR			1.00	CURB TYPE "B" = HIGH BACK																		
RUNOFF CALCULATIONS												INLET DESIGN								GUTTER DESIGN		
INLET #	COMPOSITE "C"	AREA	INLET T _c	INTENSITY	RUNOFF	UPSTREAM INLET	UPSTREAM INLET	UPSTREAM INLET	UPSTREAM INLET	BYPASS FROM UPSTREAM INLET	TOTAL RUNOFF	STREET GRADE	STREET CROSS SLOPE	CURB TYPE	INLET LENGTH	EFFECTIVE LENGTH	INLET INTERCEPTION	BYPASS TO DOWNSTREAM INLET	STREET GRADE	STREET CROSS SLOPE	DEPTH AT CURB	SPREAD OF FLOW
EXISTING LINE 400																						
401	0.66	2.40	5	7.35	11.64	801	802	803		0.79	12.43	SUMP	2.08	A	8	6.4	17.92	0.00	SUMP	2.08	< 0.21	< 10.50
402	0.66	0.04	5	7.35	0.19	403				0.02	0.21	3.24	2.08	A	6	4.8	0.20	0.00	3.24	2.08	0.06	3.48
403	0.66	0.07	5	7.35	0.34	404				0.01	0.35	3.24	2.08	A	6	4.8	0.33	0.02	3.24	2.08	0.08	4.12
404	0.66	0.06	5	7.35	0.29					0.00	0.29	3.24	2.08	A	6	4.8	0.28	0.01	3.24	2.08	0.07	3.88
EXISTING LINE 500																						
501	0.66	1.06	5	7.35	5.14	402	502			1.09	6.24	SUMP	2.08	A	6	4.8	13.44	0.00	SUMP	2.08	< 0.21	< 10.50
502	0.66	0.57	5	7.35	2.77	804	503	806	901	0.84	3.61	1.95	2.08	A	6	4.8	2.52	1.09	1.95	2.08	0.20	10.05
503	0.66	0.26	5	7.35	1.26	504				0.33	1.59	1.49	2.08	A	4	3.2	1.33	0.26	1.49	2.08	0.15	7.89
504	0.66	0.29	5	7.35	1.41	505				0.40	1.81	1.49	2.08	A	4	3.2	1.48	0.33	1.49	2.08	0.16	8.25
505	0.66	0.33	5	7.35	1.60	506				0.41	2.01	1.49	2.08	A	4	3.2	1.61	0.40	1.49	2.08	0.17	8.57
506	0.66	0.29	5	7.35	1.41	507				0.63	2.03	1.49	2.08	A	4	3.2	1.63	0.41	1.49	2.08	0.17	8.60
507	0.66	0.58	5	7.35	2.81					0.00	2.81	1.13	2.08	A	4	3.2	2.19	0.63	1.13	2.08	0.20	10.14
EXISTING LINE 800																						
801	0.51	0.29	5	7.35	1.09	1601	1801			0.25	1.34	1.12	2.08	A	6	4.8	1.25	0.08	1.12	2.08	0.15	7.80
802	0.51	0.51	5	7.35	1.91	1701				0.12	2.04	1.12	2.08	A	6	4.8	1.82	0.21	1.12	2.08	0.18	9.05
803	0.66	0.12	5	7.35	0.58	1101				1.61	2.19	3.00	2.08	A	6	4.8	1.70	0.49	3.00	2.08	0.15	7.81
804	0.66	0.22	5	7.35	1.07	1301	1201			0.67	1.74	3.00	2.08	A	6	4.8	1.43	0.31	3.00	2.08	0.14	7.20
805	0.66	0.12	5	7.35	0.58					0.00	0.58	3.00	2.08	A	6	4.8	0.55	0.03	3.00	2.08	0.09	4.94
806	0.66	0.40	5	7.35	1.94	807				0.23	2.17	1.28	2.08	A	6	4.8	1.90	0.27	1.28	2.08	0.18	9.04
807	0.66	0.40	5	7.35	1.94	808				0.07	2.01	1.28	2.08	A	6	4.8	1.78	0.23	1.28	2.08	0.17	8.80
808	0.66	0.19	5	7.35	0.92	809				0.24	1.16	1.28	2.08	A	6	4.8	1.09	0.07	1.28	2.08	0.14	7.25
809	0.66	0.32	5	7.35	1.55					0.00	1.55	2.75	2.08	A	6	4.8	1.32	0.24	2.75	2.08	0.14	7.03
810	0.66	0.21	5	7.35	1.02	1106				0.00	1.02	2.75	2.08	A	6	4.8	0.92	0.10	2.75	2.08	0.12	6.08
811	0.66	2.32	5	7.35	11.25	810				0.10	11.35	SUMP	2.08	A	6	4.8	16.80	0.00	SUMP	2.08	< 0.21	< 10.50
812	0.66	0.13	5	7.35	0.63					0.00	0.63	SUMP	2.08	A	6	4.8	16.80	0.00	SUMP	2.08	< 0.21	< 10.50
EXISTING LINE 1000																						
1001	0.66	0.31	5	7.35	1.50					0.00	1.50	1.28	2.08	A	6	4.8	1.38	0.12	1.28	2.08	0.15	7.94
FUTURE LINE 1100																						
1101	0.66	0.55	5	7.35	2.67	1102				0.77	3.44	6.02	2.08	A	6	4.8	1.83	1.61	6.02	2.08	0.16	8.09
1102	0.66	0.34	5	7.35	1.65	1103				0.59	2.24	6.02	2.08	A	6	4.8	1.47	0.77	6.02	2.08	0.13	6.97
1103	0.66	0.56	5	7.35	2.72	1104				0.15	2.87	1.80	2.08	A	6	4.8	2.28	0.59	1.80	2.08	0.19	9.40
1104	0.66	0.30	5	7.35	1.46	1105				0.01	1.46	1.80	2.08	A	6	4.8	1.31	0.15	1.80	2.08	0.14	7.41
1105	0.66	0.09	5	7.35	0.44					0.00	0.44	1.50	2.08	A	6	4.8	0.43	0.01	1.50	2.08	0.09	5.04
1106	0.66	0.07	5	7.35	0.34					0.00	0.34	1.50	2.08	A	6	4.8	0.34	0.00	1.50	2.08	0.09	4.64
FUTURE LINE 1200																						
1201	0.66	0.35	5	7.35	1.70	1202				0.49	2.19	2.45	2.08	A	4	3.2	1.64	0.55	2.45	2.08	0.16	8.08
1202	0.66	0.38	5	7.35	1.84	1203				0.20	2.05	2.45	2.08	A	4	3.2	1.56	0.49	2.45	2.08	0.15	7.90
1203	0.66	0.25	5	7.35	1.21	1204				0.07	1.28	2.45	2.08	A	4	3.2	1.08	0.20	2.45	2.08	0.13	6.71
1204	0.66	0.15	5	7.35	0.73					0.00	0.73	2.45	2.08	A	4	3.2	0.66	0.07	2.45	2.08	0.10	5.52
FUTURE LINE 1300																						
1301	0.66	0.17	5	7.35	0.82	1401				0.03	0.86	6.02	2.08	A	6	4.8	0.73	0.12	6.02	2.08	0.09	5.01
FUTURE LINE 1400																						
1401	0.66	0.15	5	7.35	0.73	1501				0.01	0.74	1.80	2.08	A	6	4.8	0.70	0.03	1.80	2.08	0.11	5.84
FUTURE LINE 1500																						
1501	0.66	0.09	5	7.35	0.44					0.00	0.44	1.80	2.08	A	6	4.8	0.43	0.01	1.80	2.08	0.09	4.89
LINE 1600																						
1601	0.51	0.47	5	7.35	1.76	1701				0.25	2.01	1.12	2.08	A	6	6	1.81	0.21	1.12	2.08	0.18	9.01
1602	0.51	0.84	5	7.35	3.15	1603				1.47	4.62	1.12	2.08	A	6	6	3.53	1.09	1.12	2.08	0.24	12.13
1603	0.51	1.22	5	7.35	4.57	1604				0.85	5.43	1.12	2.08	A	6	6	3.95	1.47	1.12	2.08	0.26	12.85
1604	0.51	0.96	5	7.35	3.60	1605				0.47	4.07	1.12	2.08	A	6	6	3.21	0.85	1.12	2.08	0.23	11.58
1605	0.51	0.80	5	7.35	3.00					0.00	3.00	1.12	2.08	A	6	6	2.53	0.47	1.12	2.08	0.21	10.39
LINE 1700																						
1701	0.51	0.59	5	7.35	2.21					0.00	2.21	1.12	2.08	A	6	6	1.96	0.25	1.12	2.08	0.18	9.32
LINE 1800																						
1801	0.51	0.20	5	7.35	0.75	1801				0.21	0.96	1.12	2.08	A	6	6	0.92	0.04	1.12	2.08	0.13	6.94
1802	0.51	0.86	5	7.35	3.22	1802				1.09	4.31	1.12	2.08	A	6	6	3.36	0.96	1.12	2.08	0.24	11.83
1803	0.51	0.51	5	7.35	1.91	1802				0.96	2.87	1.12	2.08	A	6	6	2.44	0.43	1.12	2.08	0.20	10.22
NOTES:																						
1. CAPACITY OF INLETS ON GRADE DETERMINED USING ROUTINE OUTLINED ON PGS 56-95 TO 56-97, SECTION 5600 APWA																						
2. CAPACITY OF SUMP INLETS CALCULATED USING FIGURE 5604-21, SECTION 5600 APWA																						
3. MANNINGS "n" VALUE FOR COMBINED ASPHALT PAVEMENT AND CONCRETE CURB - 0.014																						

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RECORD DRAWING

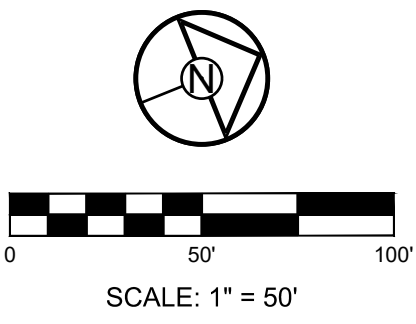
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Date: 8/8/2023
Certified by: BAL
Title: Design Engineer
Firm: Schlager and Associates, P.A.

NOTE:

ALL CONSTRUCTION ON THIS PROJECT SHALL CONFORM TO THE CITY OF LEE'S SUMMIT TECHNICAL SPECIFICATIONS.
THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING UTILITY LOCATIONS PRIOR TO EXCAVATION



SCHLAGEL
ENGINEERS, PLANNERS, SURVEYORS, LANDSCAPE ARCHITECTS
14920 West 107th Street • Lenexa, Kansas 66215
(913) 492-5158 • Fax: (913) 492-8400
WWW.SCHLAGELASSOCIATES.COM
Missouri State Certificate of Authority
#E200203600-F #LAC2001005237 #LS200208659-F

PREPARED BY:

MARK ALLEN BREUER
NUMBER PE-2009007268
09.06.2023

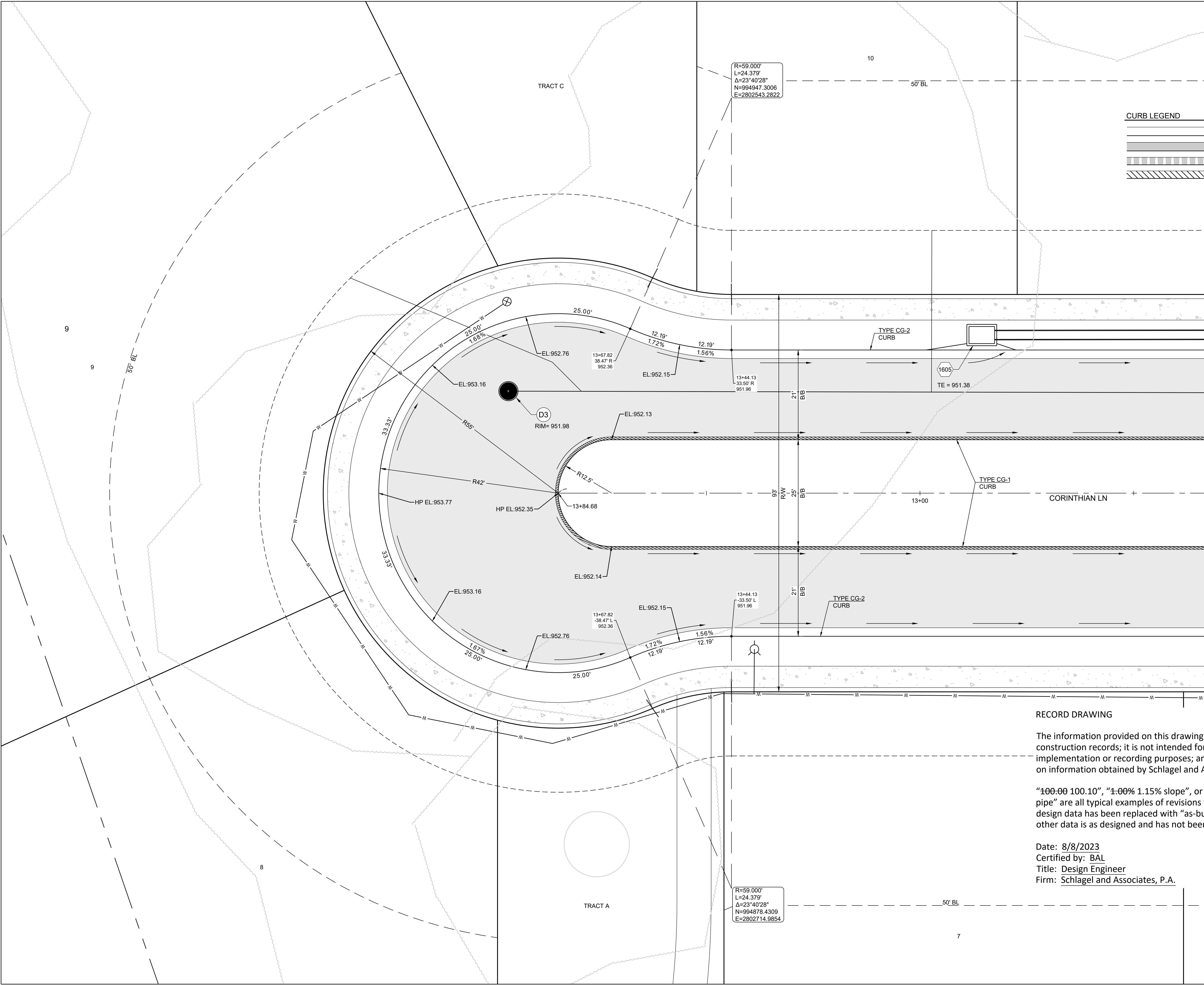
SCHLAGEL & ASSOCIATES, P.A.

LUMBERMAN'S ROW
STREET, STORMWATER, MASTER DRAINAGE
PLAN & EROSION AND SEDIMENT CONTROL
- LEE'S SUMMIT, MISSOURI

REVISION DATE	DESCRIPTION
8-12-22	CITY COMMENTS
8-23-22	AS-BUILTS
8-31-23	AS-BUILT COMMENTS
9-1-23	DATE PREPARED
9-2-23	PROJ. NUMBER
22-034	

CORINTHIAN
LANE PLAN &
PROFILE

SHEET
8



CURB LEGEND

	TYPE "CG-2" CURB & GUTTER
	TYPE "CG-2" DRY CURB & GUTTER
	TYPE "CG-1" DRY CURB AND GUTTER
	TYPE C-1 CURB

R=59,000'
L=24,379'
Δ=23°40'28"
N=994947.3006
E=2802543.2822

R=59,000'
L=24,379'
Δ=23°40'28"
N=994878.4309
E=2802714.9854

RECORD DRAWING

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Date: **8/8/2023**
Certified by: **BAL**
Title: **Design Engineer**
Firm: **Schlager and Associates, P.A.**



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PREPARED BY:

09.06.2023

SCHLAGEL & ASSOCIATES, P.A.

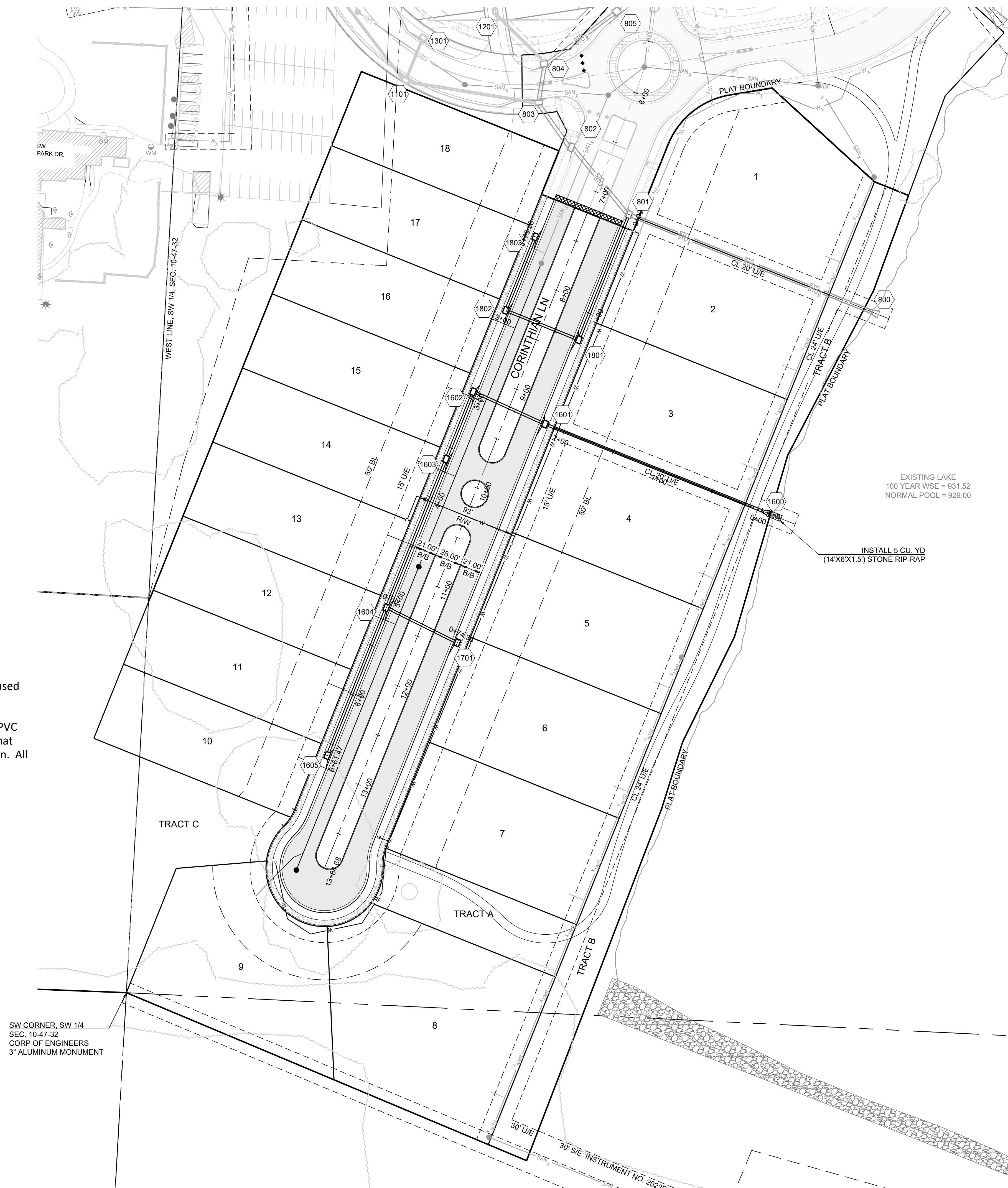
LUMBERMAN'S ROW
STREET, STORMWATER, MASTER DRAINAGE
PLAN & EROSION AND SEDIMENT CONTROL
- LEE'S SUMMIT, MISSOURI

DRAWN BY:	CHECKED BY:	DATE PREPARED:	PROJ. NUMBER:	REVISION DATE		DESCRIPTION	
						CITY COMMENTS	AS-BUILT COMMENTS
BAL	MAB	8-8-23	22-034	1	8-12-22		
				2	8-8-23	AS-BUILT	AS-BUILT
				3	8-31-23	AS-BUILT	AS-BUILT
				4			
				5			
				6			
				7			
				8			

INTERSECTION
DETAILS

SHEET

9



RECORD DRAWING

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 Certified by: BAL
 Title: Design Engineer
 Firm: Schlager and Associates, P.A.

Storm Sewer Construction Notes	
Structure	Notes
1600	STA 0+00.00, LINE 1600 INSTALL 24" END SECTION. N 995210.9684 E 2802302.4686
1601	STA 2+19.15, LINE 1600 INSTALL 6 X 4 CURB INLET N 995292.4188 E 28022821.2361
1602	STA 2+93.21, LINE 1600 INSTALL 6 X 4 CURB INLET N 995322.8093 E 2802753.6951
1603	STA 3+61.48, LINE 1600 INSTALL 6 X 4 CURB INLET N 995259.4452 E 2802728.2801
1604	STA 5+11.90, LINE 1600 INSTALL 6 X 4 CURB INLET N 995119.8888 E 2802672.1511
1605	STA 6+61.47, LINE 1600 INSTALL 6 X 4 CURB INLET N 994981.0210 E 2802616.6051
1701	STA 0+74.36, LINE 1700 INSTALL 6 X 4 CURB INLET N 995086.9954 E 2802738.8421
1801	STA 1+26.83, LINE 1800 INSTALL 6 X 4 CURB INLET N 995371.5190 E 2802852.9631
1802	STA 2+00.83, LINE 1800 INSTALL 6 X 4 CURB INLET N 995399.2288 E 2802784.3471
1803	STA 2+75.28, LINE 1800 INSTALL 6 X 4 CURB INLET N 995468.3281 E 2802812.0621

MISSOURI GEOGRAPHIC REFERENCE SYSTEM
BENCH MARK:

BM JA-148, IS A STAMPED KC METRO DISK SET IN CONCRETE LOCATED 2 MILES WEST OF THE INTERSECTION OF HIGHWAY 50 AND 3RD ST. IT IS 44 FT NORTH OF THE CENTER OF 3RD ST. AND 102.5 FT WEST OF THE CENTER OF THE EXIT FROM THE ADJACENT PARKING LOT.

ELEV. 935.18

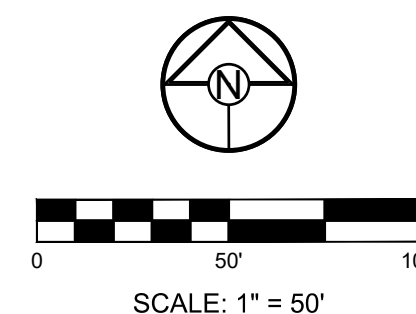
PROJECT BENCHMARK

CHISELED "SQUARE" ON STORM CURB INLET AT NORTHWEST
INTERSECTION OF SW. TOWER PARK DRIVE AND SW. LONGVIEW
BOULEVARD.

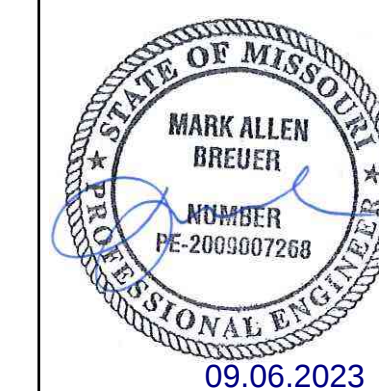
NORTHING: 998893.4148
EASTING: 2803318.5413
ELEV. 1004.09

SURVEY NOTES

The bases of bearing and coordinates are base on the Missouri Coordinate System of 1983, West Zone (2003 Adjustment) with a Grid Factor of 0.9999020.



PREPARED BY:



SCHLAGEL & ASSOCIATES, P.A.

LUMBERMAN'S ROW
STREET, STORMWATER, MASTER DRAINAGE
PLAN & EROSION AND SEDIMENT CONTROL
- LEE'S SUMMIT, MISSOURI

DRAWN BY:		REVISION DATE	DESCRIPTION
BAL	1	8-12-22	CITY COMMENTS
	2	8-8-23	AS-BUILT'S
CHECKED BY:	3	8-31-23	AS-BUILT COMMENTS
MAB	4		
DATE PREPARED:	5		
5-6-22	6		
PROJ. NUMBER:	7		
	8		

STORM PLAN

SHEET

10

Sanitary sewer profile view showing proposed and existing grades, pipe segments, manholes, and elevations. The profile includes a 100-YR WISE NORMAL POOL and a 10-YEAR HGL. The profile is divided into sections by manholes, with elevations and pipe details provided for each segment.

Profile Data:

Station	Manhole	Proposed Grade (Elev.)	Existing Grade (Elev.)	Notes
0+00	1600	933.24	933.24	STA 0+00.00, LINE 1600 24" END SECTION
1+00	1601	943.35	943.35	STA 1+00.00, LINE 1600 24" END SECTION
2+00	1602	947.23	947.23	STA 2+00.00, LINE 1600 24" END SECTION
3+00	1603	947.26	947.26	STA 3+00.00, LINE 1600 24" END SECTION
4+00	1604	948.05	948.05	STA 4+00.00, LINE 1600 24" END SECTION
5+00	1605	949.79	949.79	STA 5+00.00, LINE 1600 24" END SECTION
6+00	1606	951.35	951.35	STA 6+00.00, LINE 1600 24" END SECTION

Pipe Segments:

- 8" WATER FL = 943.35
- 8" PVC SAN FL = 934.39
- 6" PVC SAN FL = 935.12
- 6" PVC SAN FL = 936.24
- 6" PVC SAN FL = 937.39
- 6" PVC SAN FL = 938.50
- 6" PVC SAN FL = 939.24

Manhole Details:

- 100-YR WISE NORMAL POOL
- 10-YEAR HGL
- 150.42 LF 18" HDPE @ 1.10%
- 149.56 LF 18" HDPE @ 1.00%
- 149.56 LF 18" HDPE @ 0.90%

Other Notes:

- INSTALL 5 CU. YD (14"X6"X1.5") STONE RIP-RAP
- 8" PVC SAN FL = 918.14
- 8" PVC SAN FL = 930.82
- 8" PVC SAN FL = 933.03
- 8" PVC SAN FL = 937.83
- 8" PVC SAN FL = 939.53
- 8" PVC SAN FL = 939.90
- 8" PVC SAN FL = 940.45
- 8" PVC SAN FL = 942.14
- 8" PVC SAN FL = 942.69
- 8" PVC SAN FL = 944.03

Date: 8/8/2023
 Certified by: BAL
 Title: Design Engineer
 Firm: Schlagel and Associates, P.A.

LINE 1800
 1" = 50' HORIZ.
 1" = 10' VERT.

Profile view of Line 1800 showing existing and proposed grades, 10-year HGL, and stationing from 980 to 920.

Stationing: 980, 970, 960, 950, 940, 930, 920.

Key features and data points:

- STA. 2+75.28, LINE 1800**
 6 X 4 CURB INLET
 TOP = 945.53
- STA. 2+00.83, LINE 1800**
 6 X 4 CURB INLET
 TOP = 946.44
- STA. 1+26.83, LINE 1800**
 6 X 4 CURB INLET
 TOP = 946.28
- STA. 2+43.24, LINE 800**
 6 X 4 CURB INLET
 TOP = 944.69
- EXISTING GRADE** (dashed line)
- PROPOSED GRADE** (solid line)
- 10-YEAR HGL** (dotted line)
- 74.45 LF 15" HDPE @ 1.00% 1.21%**
 6" PVC SAN FL = 933.47
- 74.00 LF 18" HDPE @ 1.00% 1.24%**
 8" PVC SAN FL = 933.94
- 126.83 LF 18" HDPE @ 1.00% 1.21%**
 FL IN (W) = 933.93
 FL OUT (W) = 938.43
- FL OUT (S) = 941.26**
- FL IN (N) = 940.36**
- FL OUT (E) = 939.54**
- FL IN (W) = 938.93**
- FL OUT (N) = 938.70**
- FL IN (NW) = 933.24**
- FL IN (S) = 933.93**
- FL OUT (E) = 936.64**

TABLE LS-2: MINIMUM ASPHALT PAVEMENT THICKNESSES						
Street Classification	Pavement Option	AC Surface (in.)	AC Base (in.)	MoDOT Type 5 Base (in.)	Geogrid(1)	Chemical Subgrade Stabilization(2) (in.)
USE FOR RESIDENTIAL STREETS	Residential Local/Access	A	2	4	6	--
	B	2	4	10	Geogrid	--
	Residential Collector	A	2	5.5	6	--
	B	2	5.5	12	Geogrid	--
Commercial Industrial Local/Collector	A	2	7.5	6	--	9
	B	2	7.5	12	Geogrid	--

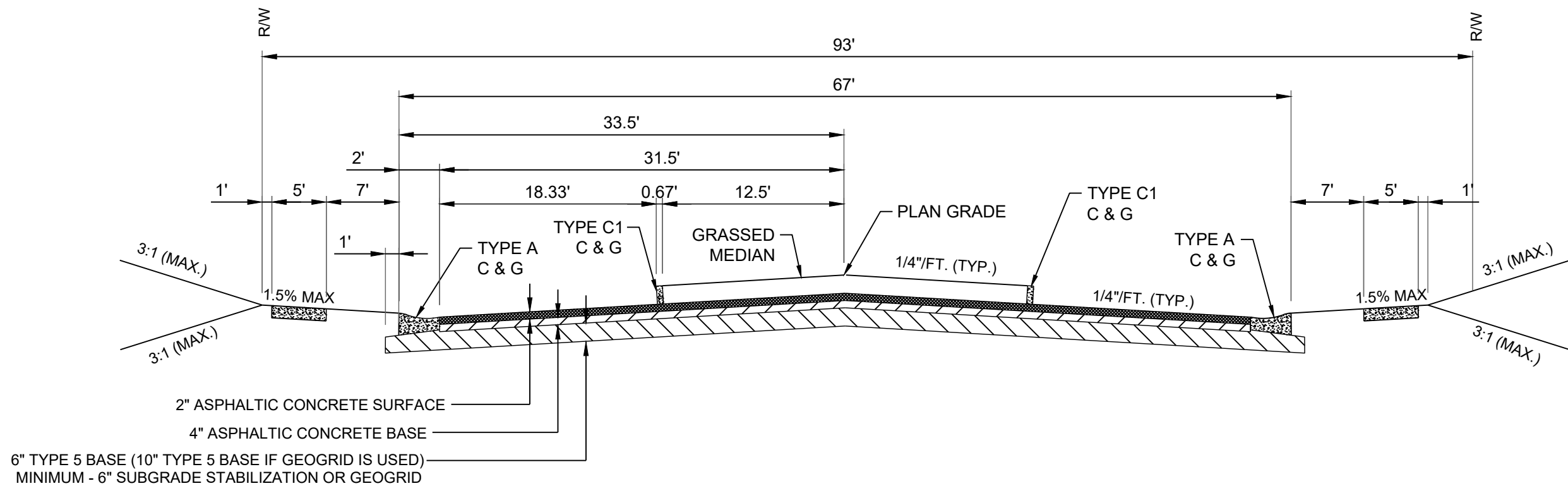
TABLE LS-3: MINIMUM PCC PAVEMENT THICKNESSES				
Street Classification	PCC (in.)	Aggregate Base (in.)	Subgrade Stabilization ⁽¹⁾	
Residential Local/Access	6	4	--	
Residential Collector	6	4	6	
Commercial Industrial Local/Collector	8	4	9	

(1) Subgrade Stabilization and 4" aggregate base may be replaced by approved geogrid and 6" of aggregate base

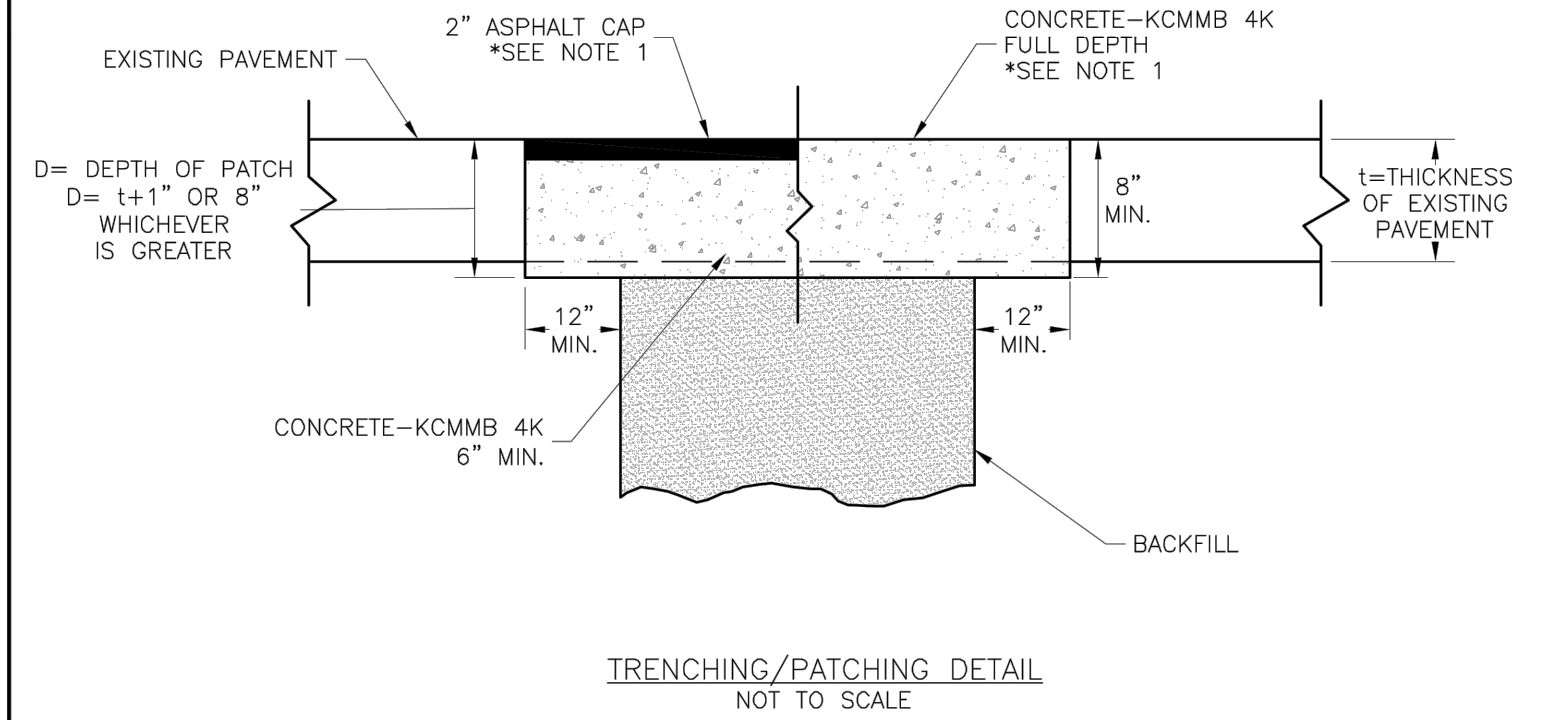
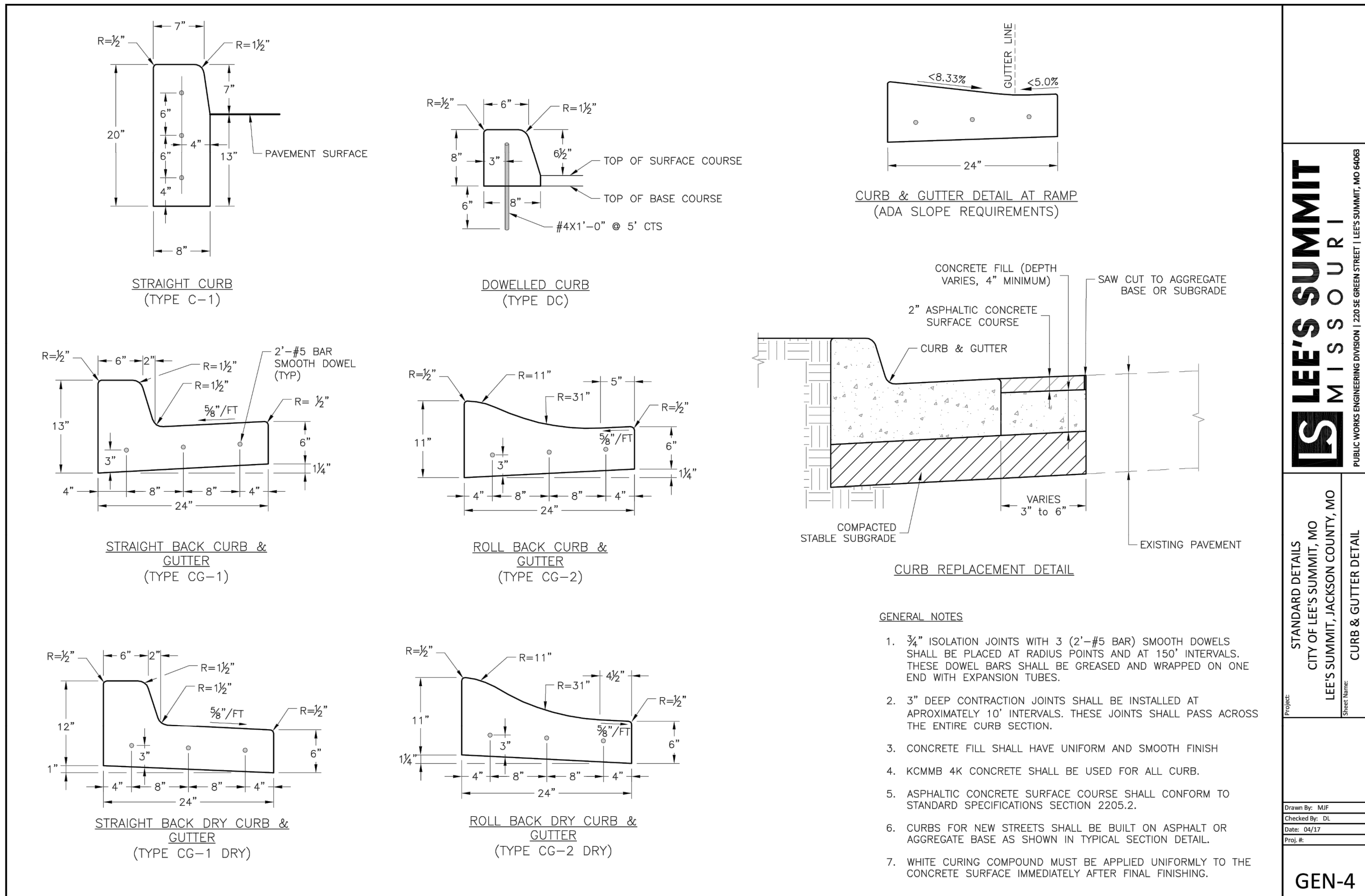
LS5200

16

October 2016



BLUE RIBBON DIVIDED STREET STA. 7+21.28 TO 13+84.68
NTS



NOTE:
1. ASPHALT CAP OR FULL DEPTH CONCRETE SHALL BE DETERMINED BY CITY INSPECTOR.

LS

LEE'S SUMMIT
MISSOURI
PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063

Drawn By: MJF
Checked By: DL
Date: 04/17
Drawn By: MJF
Checked By: DL

GEN-5

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LUMBERMAN'S ROW
STREET, STORMWATER, MASTER DRAINAGE
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REVISION DATE	DESCRIPTION
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3 8-31-23	AS-BUILT COMMENTS
4	
5	
6	
7	
8	

STREET DETAILS

SHEET

12

