

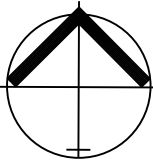
PART OF THE NW 1/4 SECTION 36. TOWNSHIP 47 N, RANGE 32 W
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

The map shows the SW 41st St area in Portland, Oregon. Major roads include SW Pryor Rd, SW Canyon Rd, SW 41st St, and SW 42nd St. Key landmarks include Holy Spirit Catholic Church, Journey Church International, and Meiners Market. The proposed site is highlighted with a hatched pattern and labeled 'SITE'.

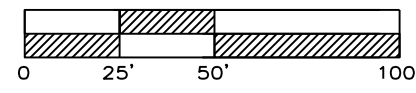
ITEM AND DESCRIPTION	UNIT	ESTIMATED QUANTITY
ASPHALT PAVING	S.Y.	4,062.00
CURBING	FT	2,810.00
5' SIDEWALK	S.F.	6,895.00
MoDOT Type 5 Base	S.Y.	4,997.00
GEOGRID	S.Y.	4,997.00
ADA SIDEWALK RAMP	UNIT	3
STREET SIGNAGE	UNIT	2
STORM		
15" HDPE END SECTION / TOE WALL	LS	2.00
24" HDPE END SECTION / TOE WALL	LS	1.00
24" HDPE	FT	323.02
18" HDPE	FT	161.68
15" HDPE	FT	626.39
4' x 4' STORM FIELD INLET	EA	3.00
5' x 4' STORM CURB INLET	EA	7.00

C.001





North



0 25' 50' 100'

STREET SIGNAGE

SCALE: 1" = 50'



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50 SE 30TH STREET
LEE'S SUMMIT, MO 64082
P: (816) 623-9888 F: (816) 623-9849

Professional Registration

Missouri
Engineering 2005002186-D
Surveying 2005008319-D

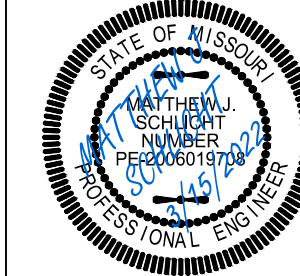
Kansas
Engineering E-1685
Surveying LS-218

Oklahoma
Engineering 6254

Nebraska
Engineering CA2821

Project: Napa Valley 5th Plat
Lee's Summit, Jackson County, Missouri

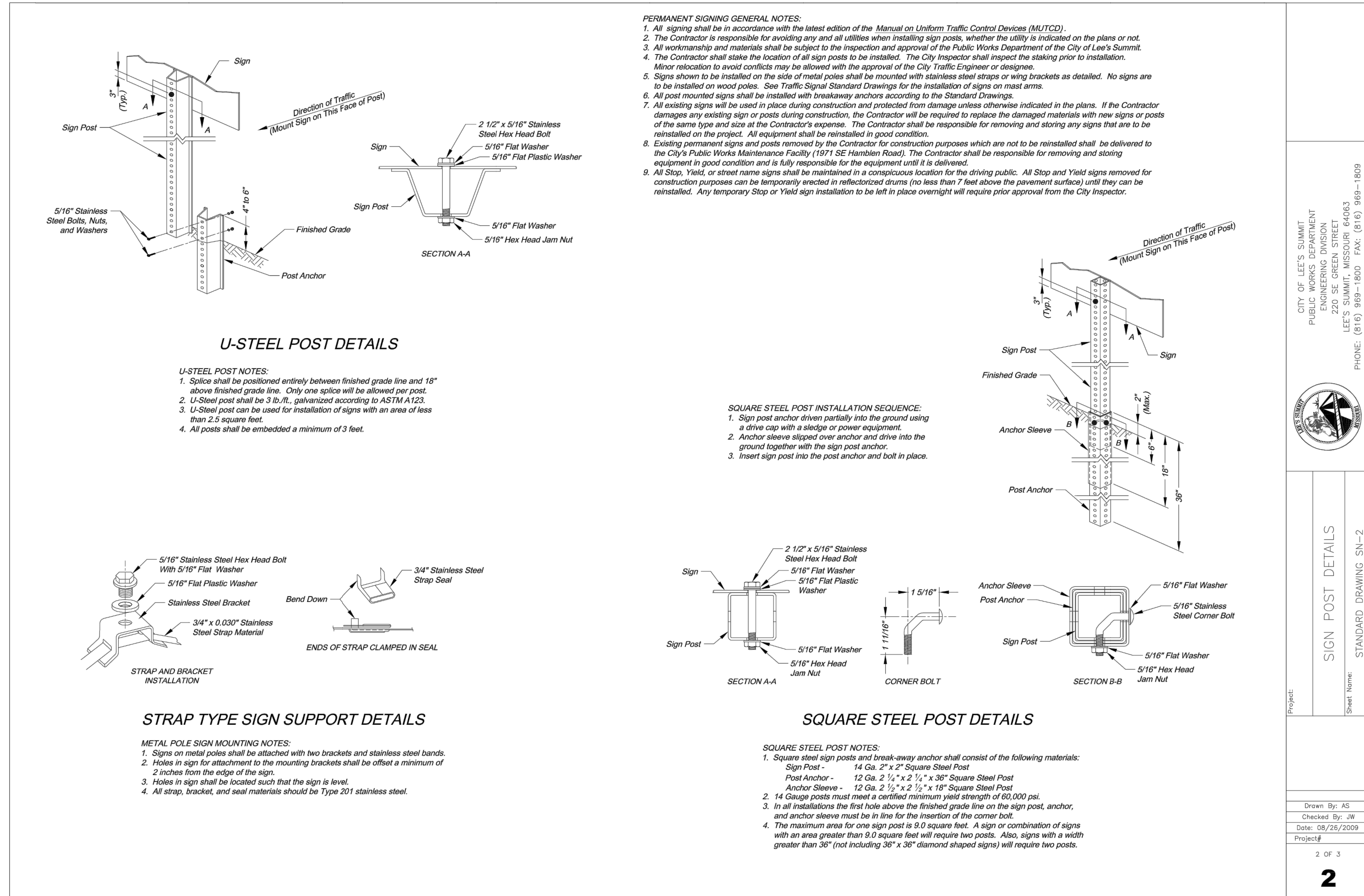
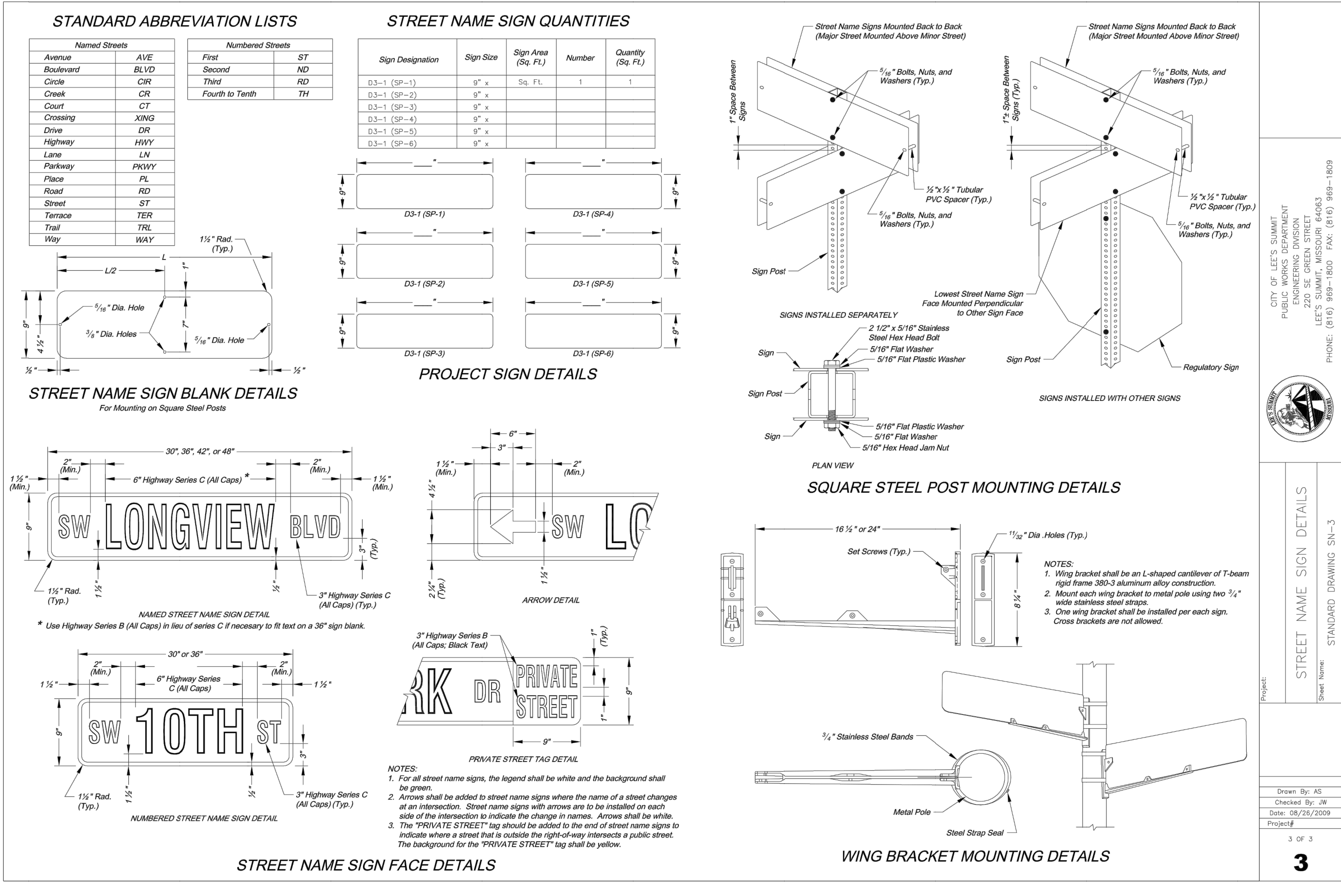
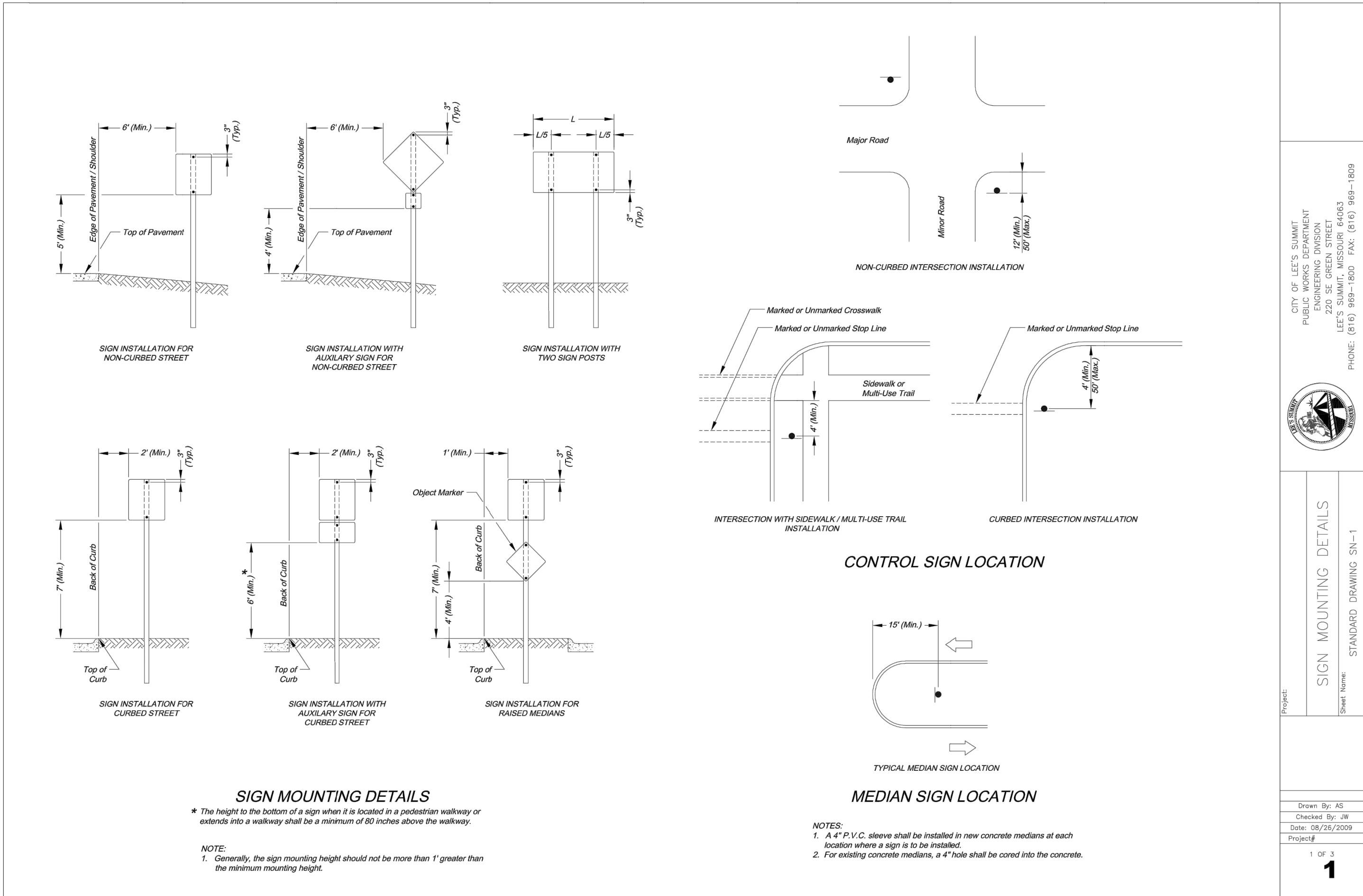
Street Signage
Street, Stormwater, Master Drainage Plans for:
Napa Valley 5th Plat
Lee's Summit, Jackson County, Missouri



Matthew J. Schlicht
MO PE 2006019708
KS PE 19071
OK PE 25226
NE PE E-14335

REVISIONS

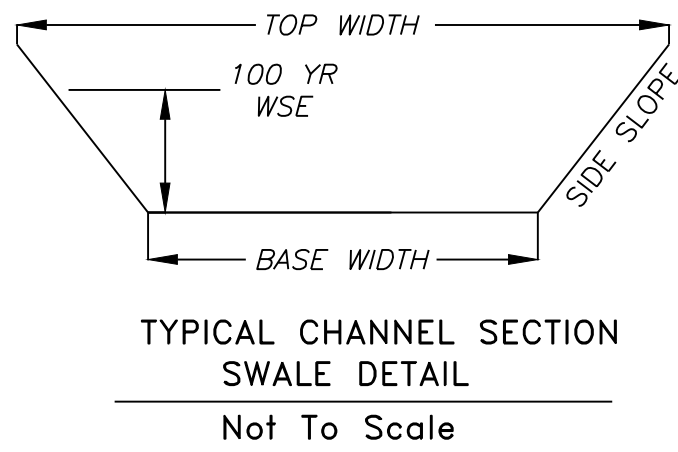
REV. 9/28/2021
REV. 12/6/2021
REV. 12/17/2021
REV. 3/2/2022
REV. 3/15/2022



Notes

1. Contractor is responsible for verifying all existing utility locations prior to excavation.
2. There are no known natural or artificial water storage detention areas, or wetlands in the area designated for construction.
3. No part of the project lies within the 100 year flood plain.
4. All erosion and sediment control measures need to be implemented prior to construction.
5. Additional erosion control may be required by the City Engineer, Design Engineer or Owner at any time problematic areas are noted in the field or existing measures are found to be ineffective.
6. Soil Stabilization of disturbed areas shall be completed within 14 days of construction inactivity.
7. Contractor responsible for all density testing of roadway subgrade and granular base.

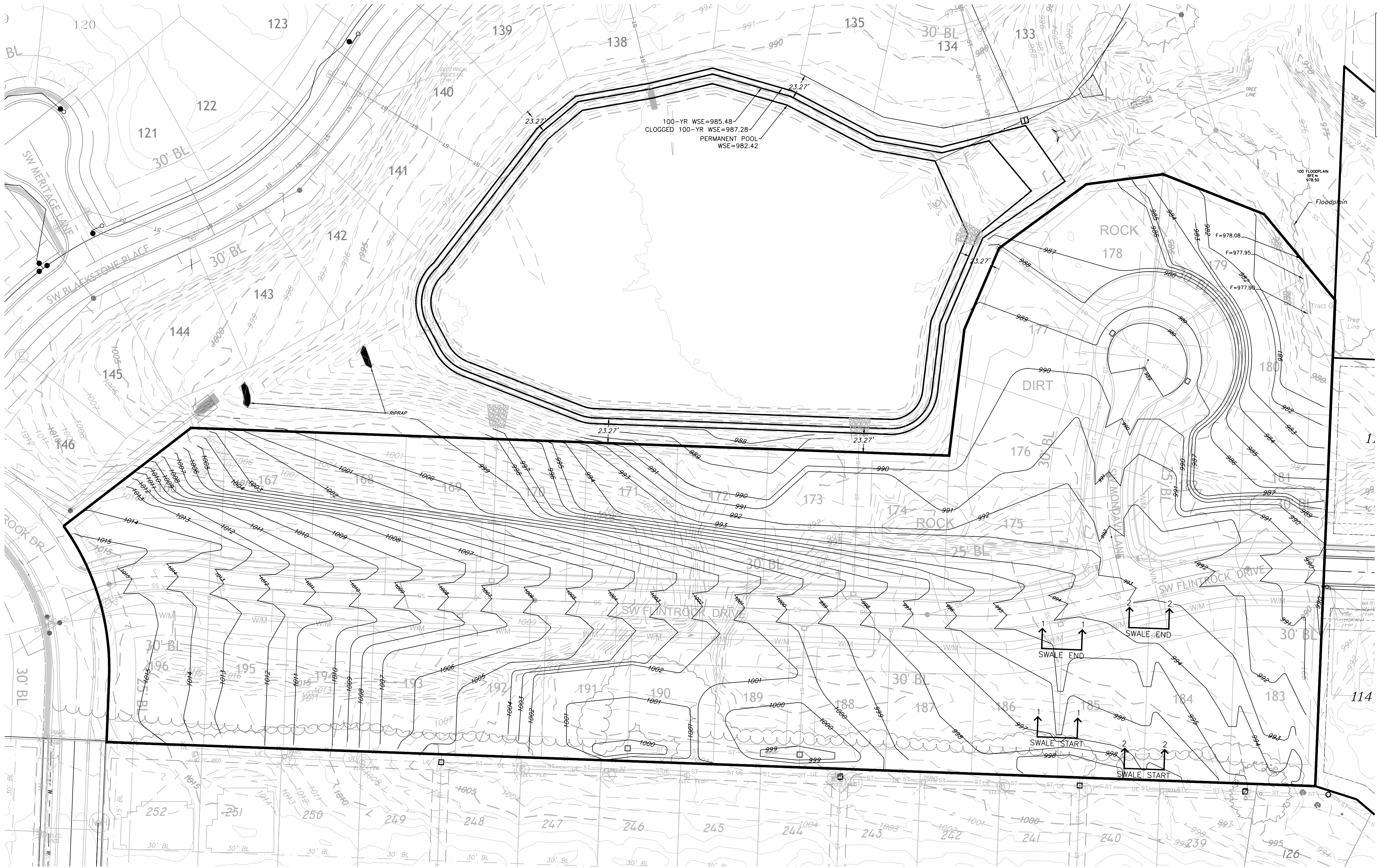
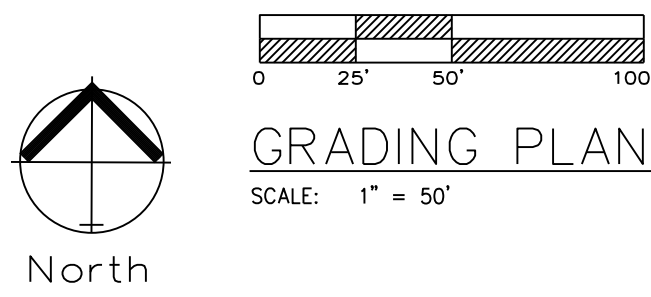
NOTE: Swale sections extend the entire length between upstream and downstream structures with the exception of a transition at each structure. The minimum swale depth shall be 6" over the 100-year water surface elevation.



100 YEAR OVERFLOW SWALE SECTIONS									
Section	100 Yr. Runoff (c.f.s.)	Bed Slope (%)	Base Width (ft)	Side Slope (1:V)	100 Yr WSE (ft)	Sectional Area	Velocity 100yr (f.p.s.)	Hydraulic Radius (ft)	Shear Stress (p.s.f.)
1-1	0.82	2.00	5	6	0.11	0.62	1.32	0.10	0.12
2-2	1.30	2.00	5	6	0.14	0.82	1.59	0.12	0.15

Note: See Table 8.10 of the APWA / MARC BMP Manual for design Summary for Native Vegetation Swales.

NOTE: Swale should be lined with "Straw with Net" turf reinforcement (Curlex Blanket or Eqv.). Per Table 5607-1 in APWA Manual



Estimated Cut / Fill Quantities

Site Area	9.65 Acres
Cut Volume (Unadjusted)	17,287 c.y.
Fill Volume (Unadjusted)	20,068 c.y.
Street & Sidewalk Cut Volume	1,680 c.y.
Net Fill	1,101 c.y. (Unadjusted)



Master Drainage Plan 1 of 3:

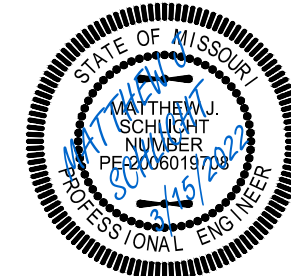
Grading Plan
Street, Stormwater, Master Drainage Plans for:
Napa Valley 5th Plat
Lee's Summit, Jackson County, Missouri

Project:

NAPA VALLEY LSWO

Issue Date:

August 2, 2021

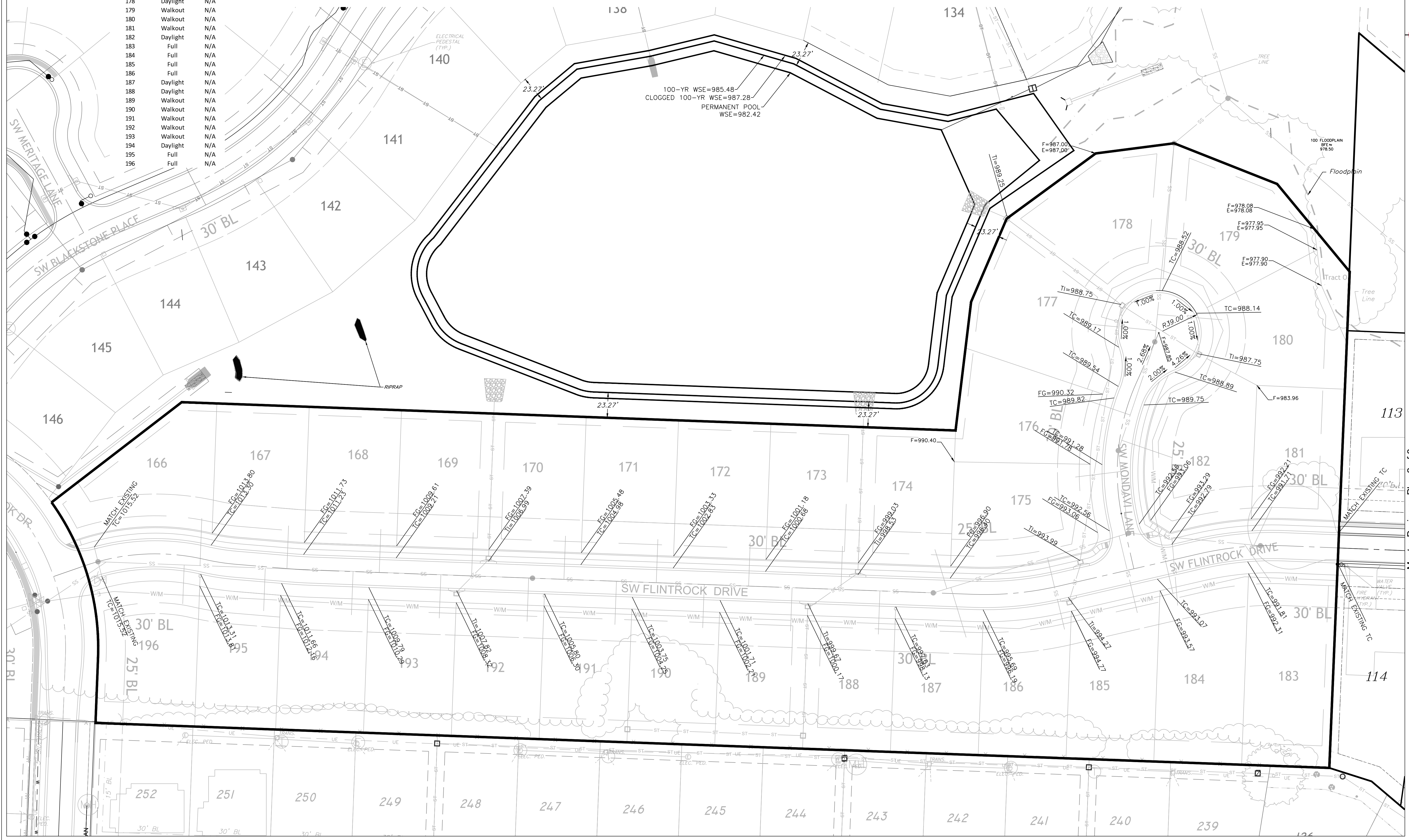
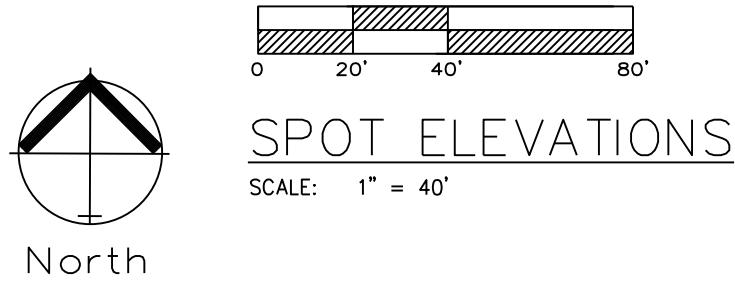


Matthew J. Schlicht
MO PE 0000019708
KS PE 19071
OK PE 25226
NE PE E-14335

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- REV. 9/28/2021
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- REV. 12/17/2021
- REV. 3/2/2022
- REV. 3/15/2022

Lot Number	Basement Type	MBOE
166	Walkout	N/A
167	Walkout	N/A
168	Walkout	N/A
169	Walkout	N/A
170	Walkout	N/A
171	Walkout	N/A
172	Walkout	N/A
173	Walkout	N/A
174	Walkout	N/A
175	Full	N/A
176	Full	N/A
177	Full	N/A
178	Daylight	N/A
179	Walkout	N/A
180	Walkout	N/A
181	Walkout	N/A
182	Daylight	N/A
183	Full	N/A
184	Full	N/A
185	Full	N/A
186	Full	N/A
187	Daylight	N/A
188	Daylight	N/A
189	Walkout	N/A
190	Walkout	N/A
191	Walkout	N/A
192	Walkout	N/A
193	Walkout	N/A
194	Daylight	N/A
195	Full	N/A
196	Full	N/A



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ENGINEERING & SURVEYING
50 SE 30TH STREET
LEE'S SUMMIT, MO 64082
P: (816) 623-9888 F: (816) 623-9849

Professional Registration
Missouri
Engineering 2005002186-D
Surveying 2005008319-D
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Engineering 6254
Nebraska
Engineering CA2821

Project: NAPA VALLEY 5TH PLAT
Issue Date: August 2, 2021

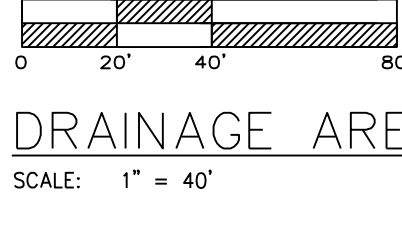
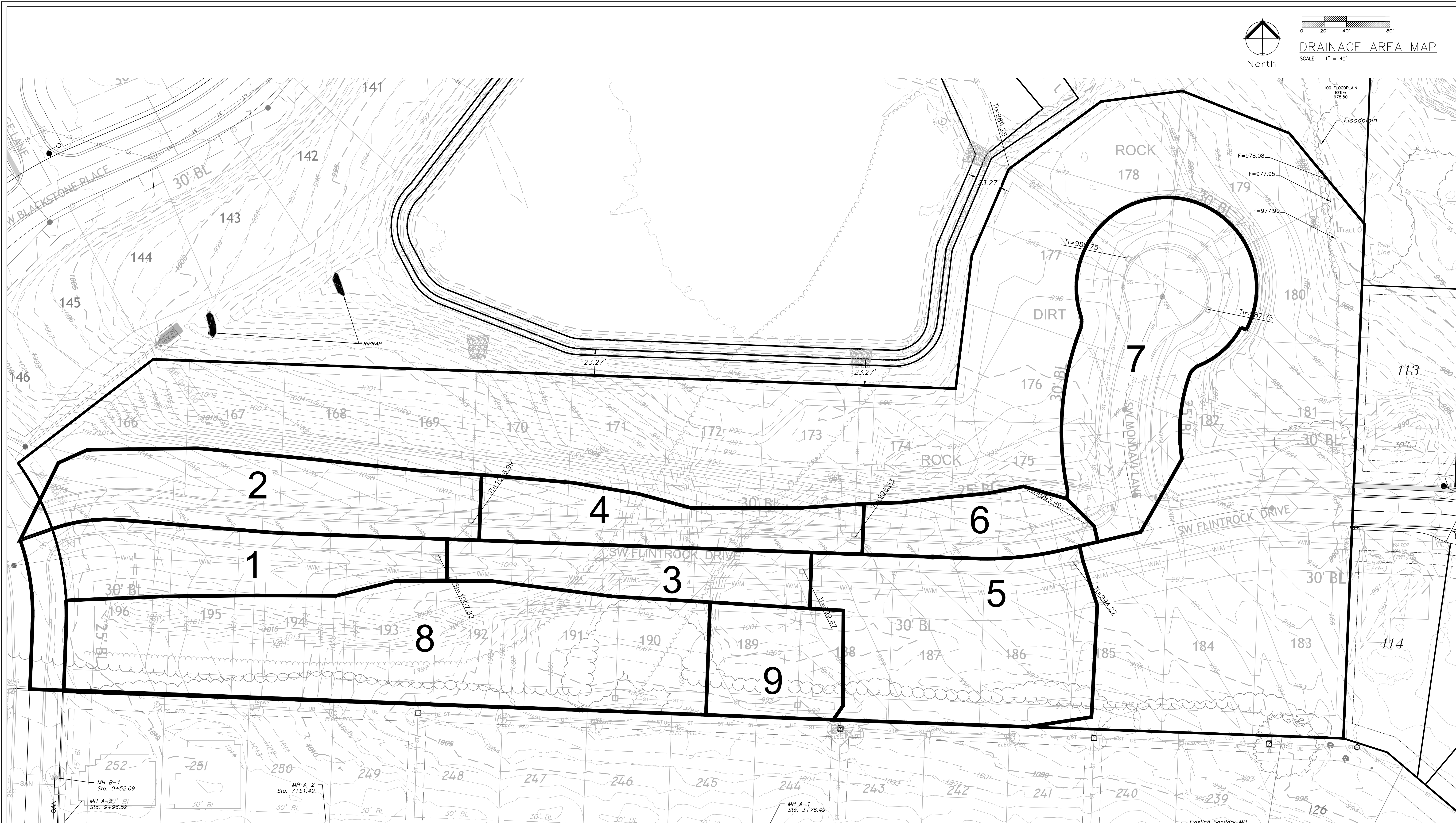
Napa Valley 5th Plat
Lee's Summit, Jackson County, Missouri

Master Drainage Plan 2 of 3:
Spot Elevations
Street, Stormwater, Master Drainage Plans for:
Napa Valley 5th Plat
Lee's Summit, Jackson County, Missouri

STATE OF MISSOURI
MATTHEW J. SCHLICHT
REGISTERED PROFESSIONAL ENGINEER
NO. 0000019708
EXPIRATION DATE 12/31/2025

Matthew J. Schlicht
MO PE 2006019708
KS PE 19071
OK PE 25226
NE PE E-14335

REVISIONS
REV. 9/28/2021
REV. 12/6/2021
REV. 12/17/2021
REV. 3/2/2022
REV. 3/15/2022



DRAINAGE AREA MAP

SCALE: 1" = 40'

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LEE'S SUMMIT, MO 64082
P: (816) 623-9888 F: (816) 623-9849

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Missouri
Engineering 2005002186-D
Surveying 2005008319-D

Kansas
Engineering E-1695
Surveying LS-218

Oklahoma
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Project: NAPA VALLEY 5TH PLAT

Issue Date: August 2, 2021

Master Drainage Map 3 of 3:
Drainage Area Map
Street, Stormwater, Master Drainage Plans for:
Napa Valley 5th Plat
Lee's Summit, Jackson County, Missouri

Matthew J. Schlicht
MO PE 2006019708
KS PE 19071
OK PE 25226
NE PE E-14335

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REV. 9/28/2021

REV. 12/6/2021

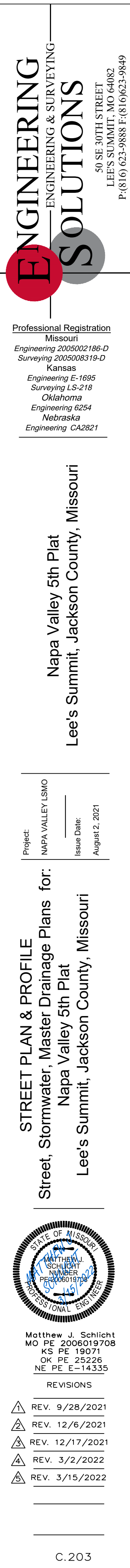
REV. 12/17/2021

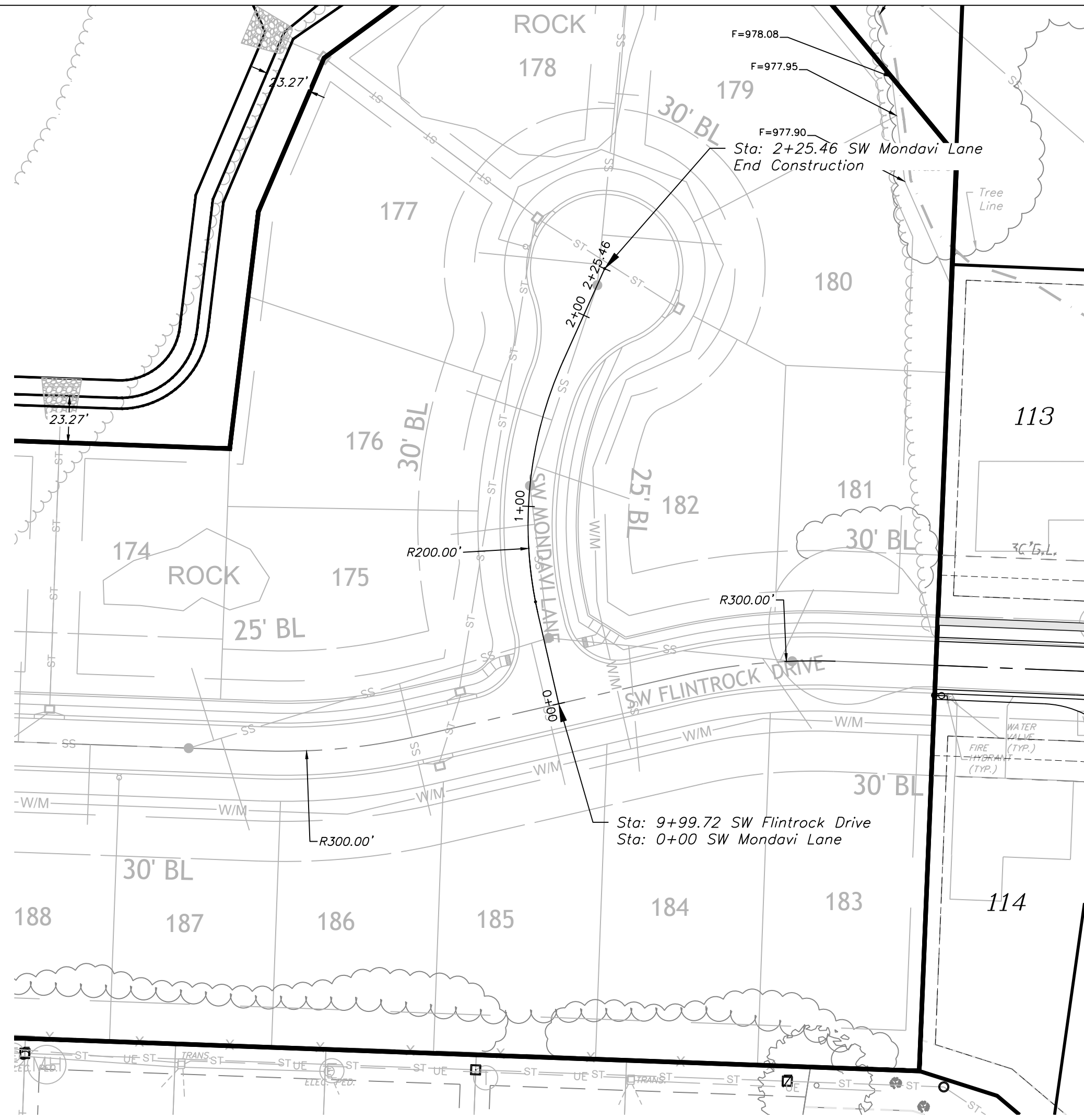
REV. 3/2/2022

REV. 3/15/2022

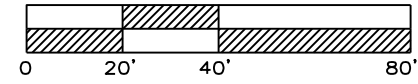
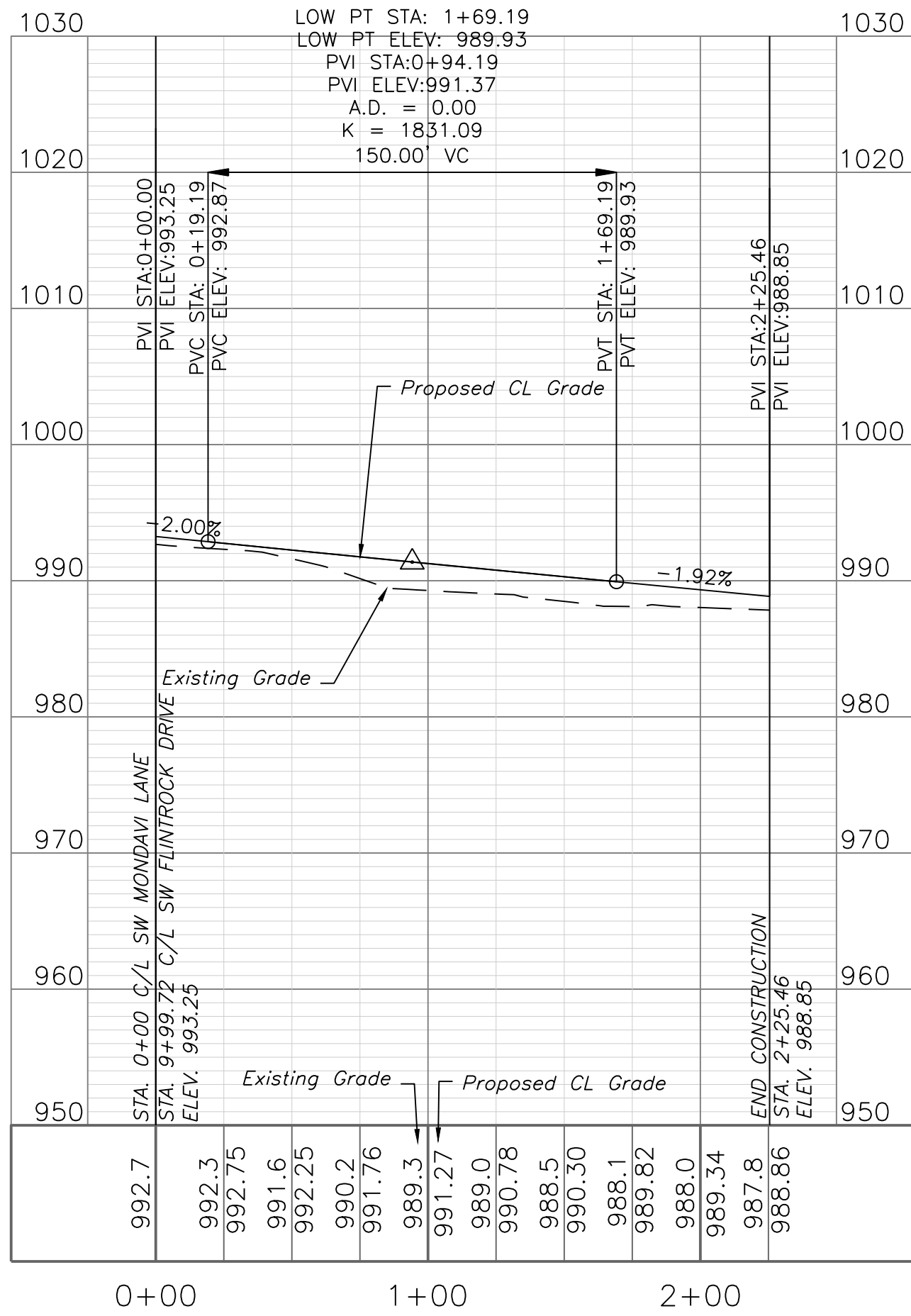
C.202

APWA STORM DRAINAGE "TC" COMPUTATIONS FOR : NAPA VALLEY 5TH PLAT																						
yellow areas are self computing overwrite if necessary				Surface types: Asphalt/ConcBus/Com Dirt Grass/Park Lake MultFam SnglFam Undev Other										TC COMPUTATION								
				SURFACE CODES A B D G L M S U Z																		
				"C" Values 0.90 0.87 0.60 0.30 0.90 0.66 0.51 0.3																		
				Overwrite Length - DnElev or Slope if necessary										SURFACE CODE P=Paved U=Unpaved Overwrite Slope or Elevations if necessary								
				OVERLAND FLOW - 100' MAX										CHANNEL FLOW - FIRST REACH								
				SURFACE CODE VALUE LENGTH UP DN SLOPE										or CHANNEL LENGTH ELEV DN SLOPE VELOCITY								
				U										F/S								
AREA ID	TOTAL ACRES	WTRSHD LENGTH	UP ELEV	DN ELEV	SURFACE CODE	"C" VALUE	OVRLND LENGTH	UP ELEV	DN ELEV	SLOPE %					Cal Overland Flow T(I)	Used Min 5 Max 15 T(I)	Cal Channel One T(I)	Cal Channel Two T(I)	Total T(I)	AREA ID		
1	0.54	359.00	1015.00	1010.50	S	0.51	59.0	1015.0	1013.70	2.2	P	300.0	1013.7	1010.5	1.07	2.1	6.3	6.3	2.4	0.0	8.7	1
2	0.57	384.00	1016.00	1010.20	S	0.51	49.0	1016.0	1015.00	2.0	P	335.0	1015.0	1010.2	1.43	2.4	5.9	5.9	2.3	0.0	8.2	2
3	0.32	333.00	1010.50	1005.00	S	0.51	26.0	1010.5	1009.80	2.7	P	307.0	1009.8	1005.0	1.56	2.5	3.9	5.0	2.0	0.0	7.0	3
4	0.35	369.00	1012.20	1003.00	S	0.51	47.0	1012.2	1011.00	2.6	P	322.0	1011.0	1003.0	2.48	3.2	5.3	5.3	1.7	0.0	7.0	4
5	0.32	258.00	1007.20	994.50	S	0.51	41.0	1007.2	1004.00	7.8	P	217.0	1004.0	994.5	4.38	4.3	3.4	5.0	0.9	0.0	5.9	5
6	0.24	221.00	1005.00	994.00	S	0.51	36.0	1005.0	1003.00	5.6	P	185.0	1003.0	994.0	4.86	4.5	3.6	5.0	0.7	0.0	5.7	6
7	0.78	236.00	995.00	991.00	S	0.51	49.0	995.0	992.50	5.1	P	187.0	992.5	991.0	0.80	1.8	4.3	5.0	1.7	0.0	6.7	7
8	2.26	508.00	1016.00	999.00	S	0.51	100.0	1016.0	1014.00	2.0	U	408.0	1014.0	999.0	3.68	3.1	8.4	8.4	2.2	0.0	10.6	8
9	0.46	133.00	1008.50	999.00	S	0.51	100.0	1008.5	1000.00	8.5	U	33.0	1000.0	999.0	3.03	2.8	5.2	5.2	0.2	0.0	5.4	9



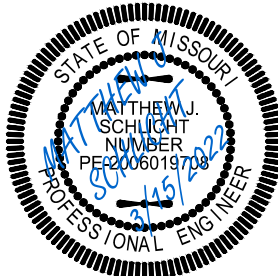
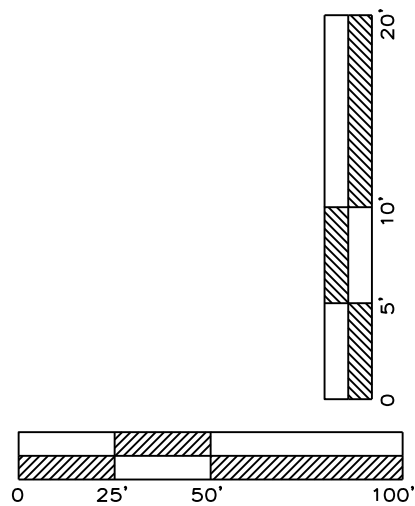


SW MONDAVI LANE



STREET PLAN & PROFILE

SCALE: 1" = 50'



Matthew J. Schlicht
MO PE 2006019708
KS PE 19071
OK PE 25226
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REV. 12/17/2021	
REV. 3/2/2022	
REV. 3/15/2022	

STREET PLAN & PROFILE
Street, Stormwater, Master Drainage Plans for:
Napa Valley 5th Plat
Lee's Summit, Jackson County, Missouri

Project: NAPA VALLEY L5MO
Issue Date: August 2, 2021

Napa Valley 5th Plat
Lee's Summit, Jackson County, Missouri

Professional Registration
Missouri
Engineering 2005002186-D
Surveying 2005008319-D
Kansas
Engineering E-1685
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50 SE 30TH STREET
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P: (816) 623-9888 F: (816) 623-9849



Legend:

EX TC = Existing Top of Curb

EX FG = Existing Finished Grade

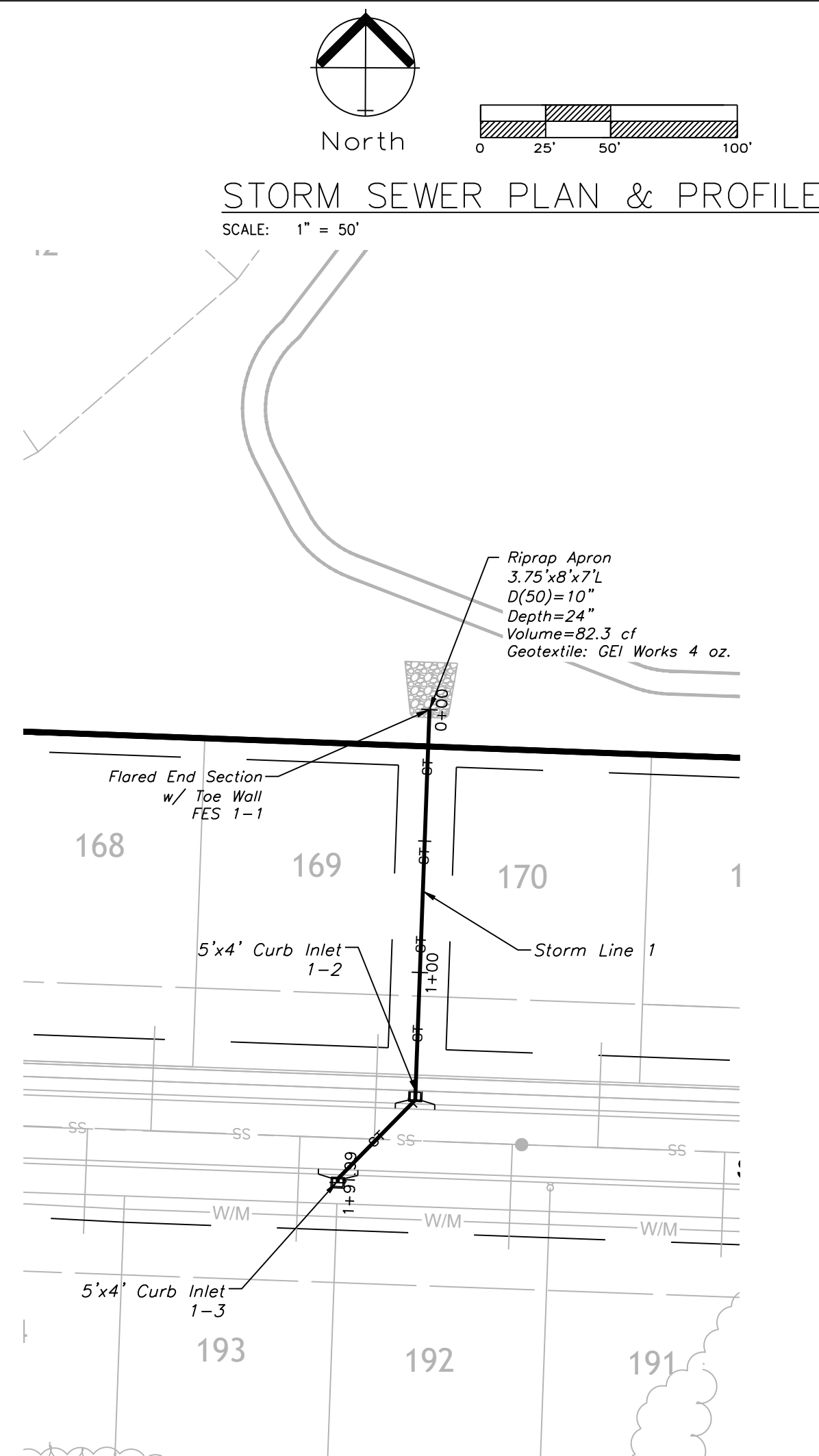
FG = Finished Grade

TC = Top of Curb

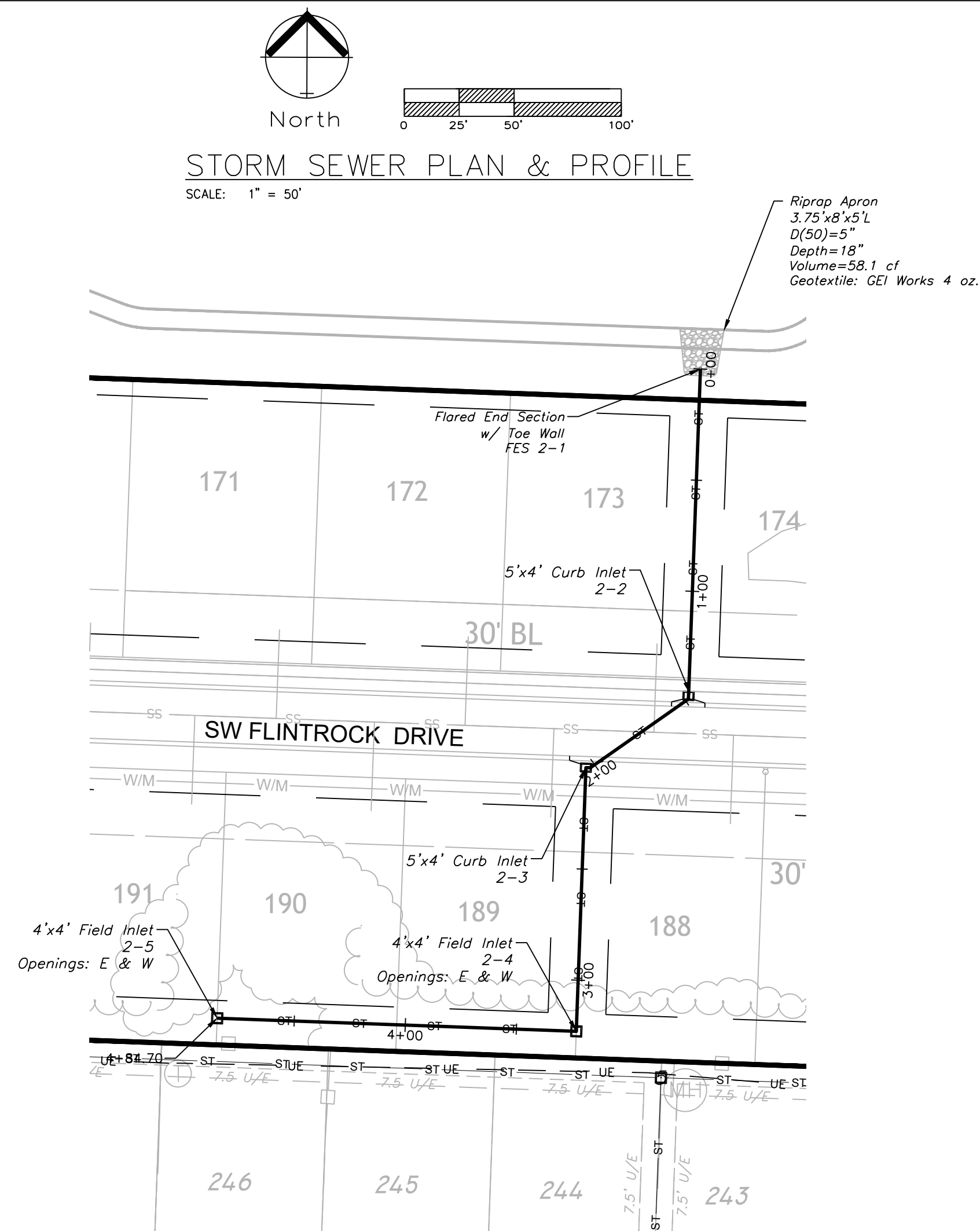
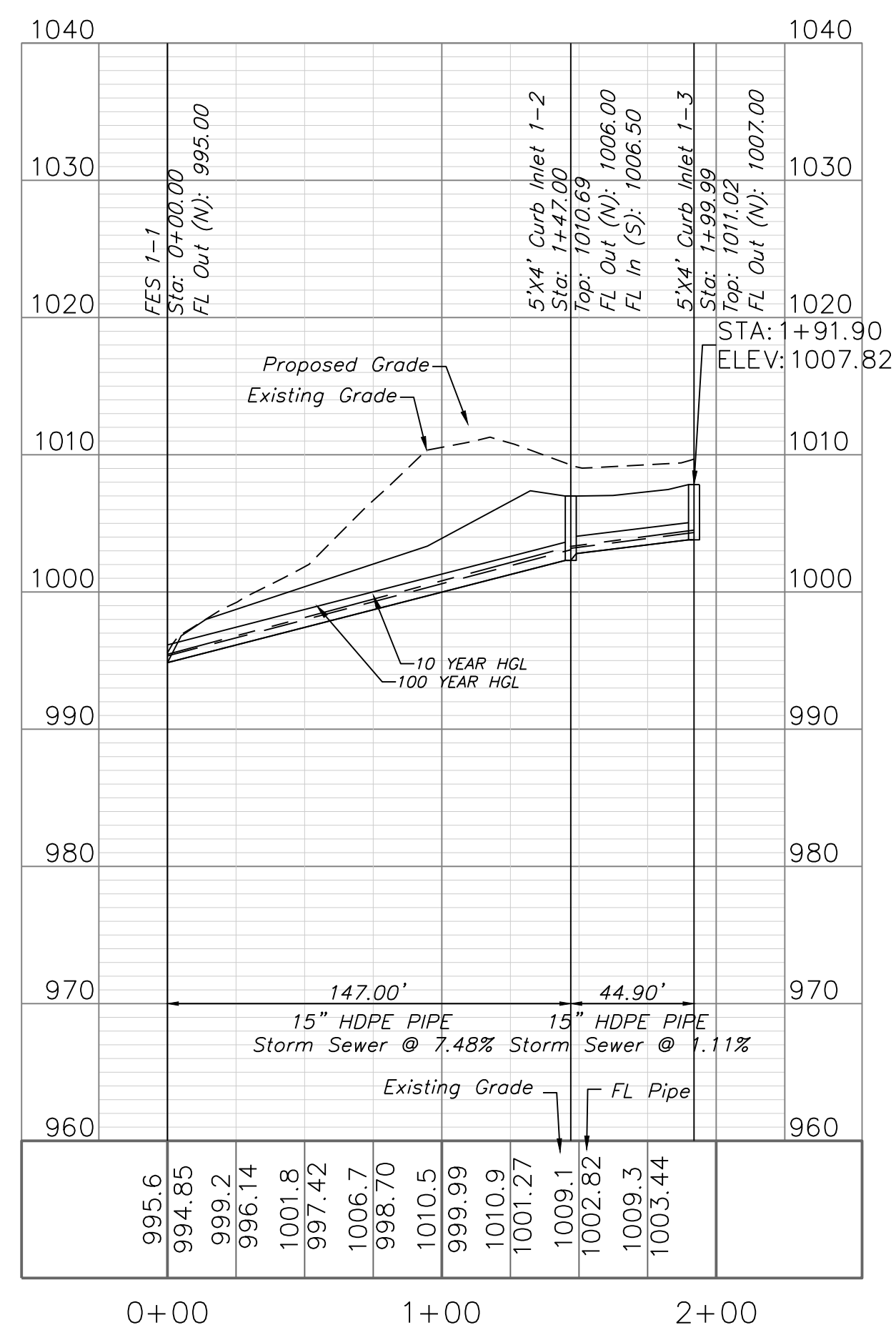
TC/FG = Top of Curb/Finished Grade

 Detectable Warning

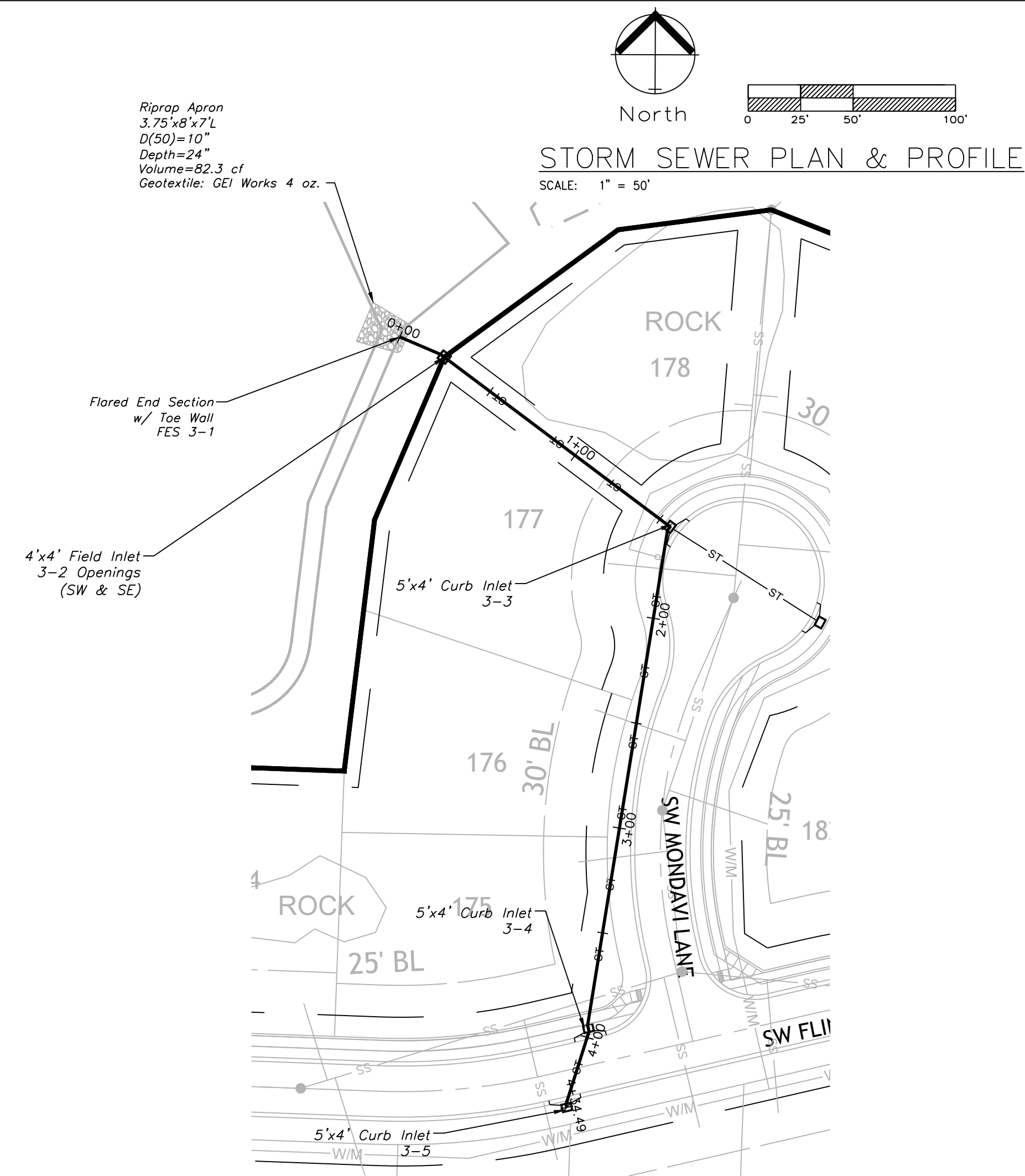
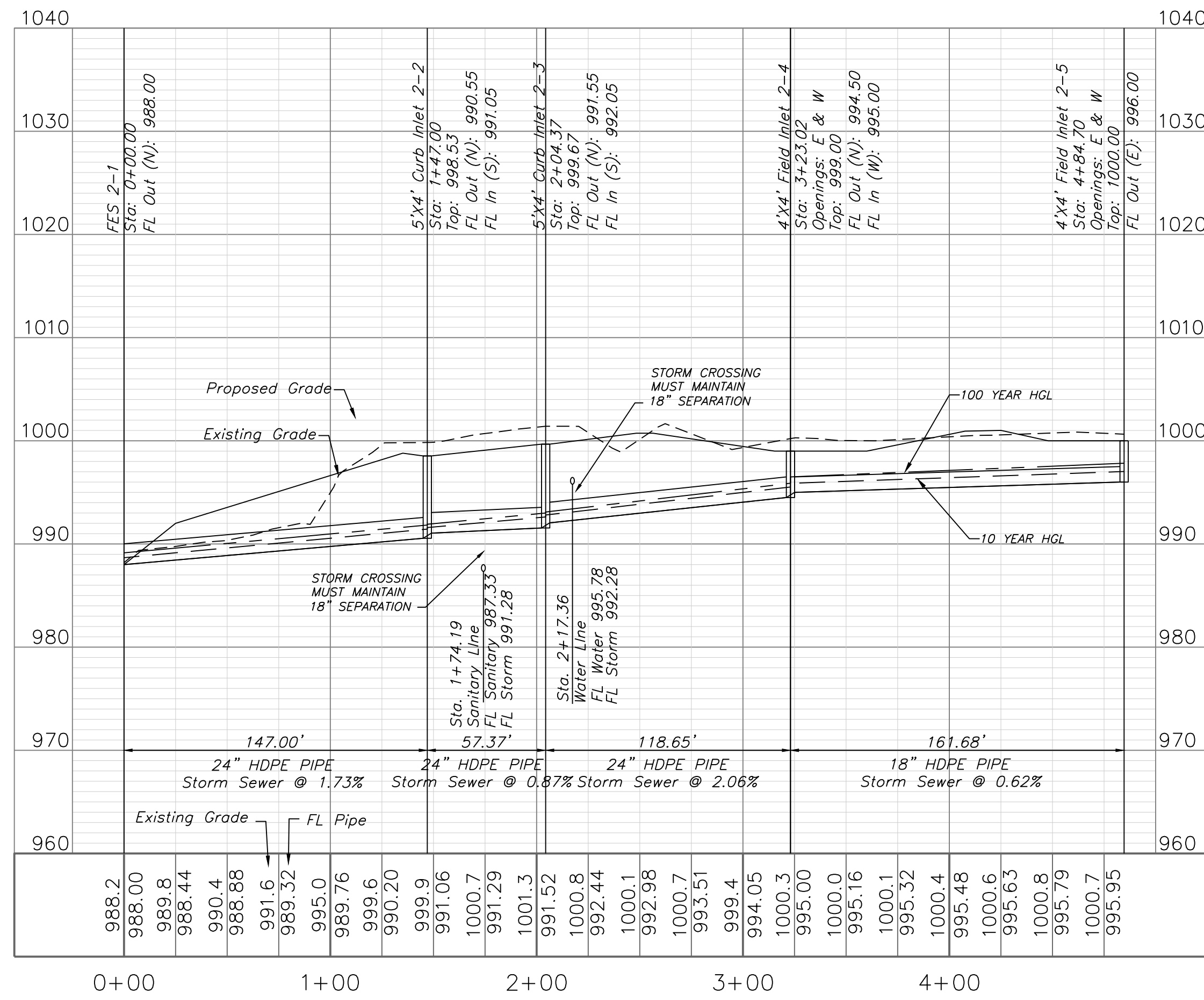




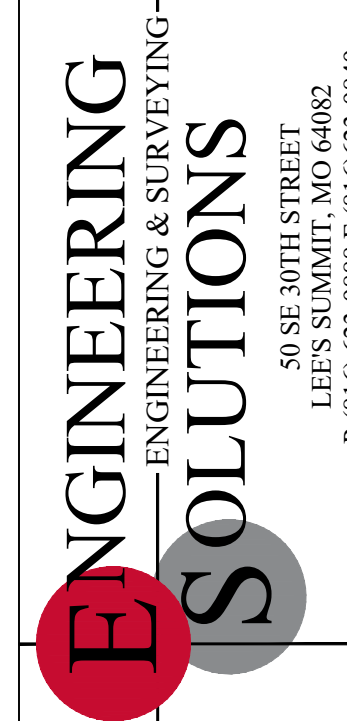
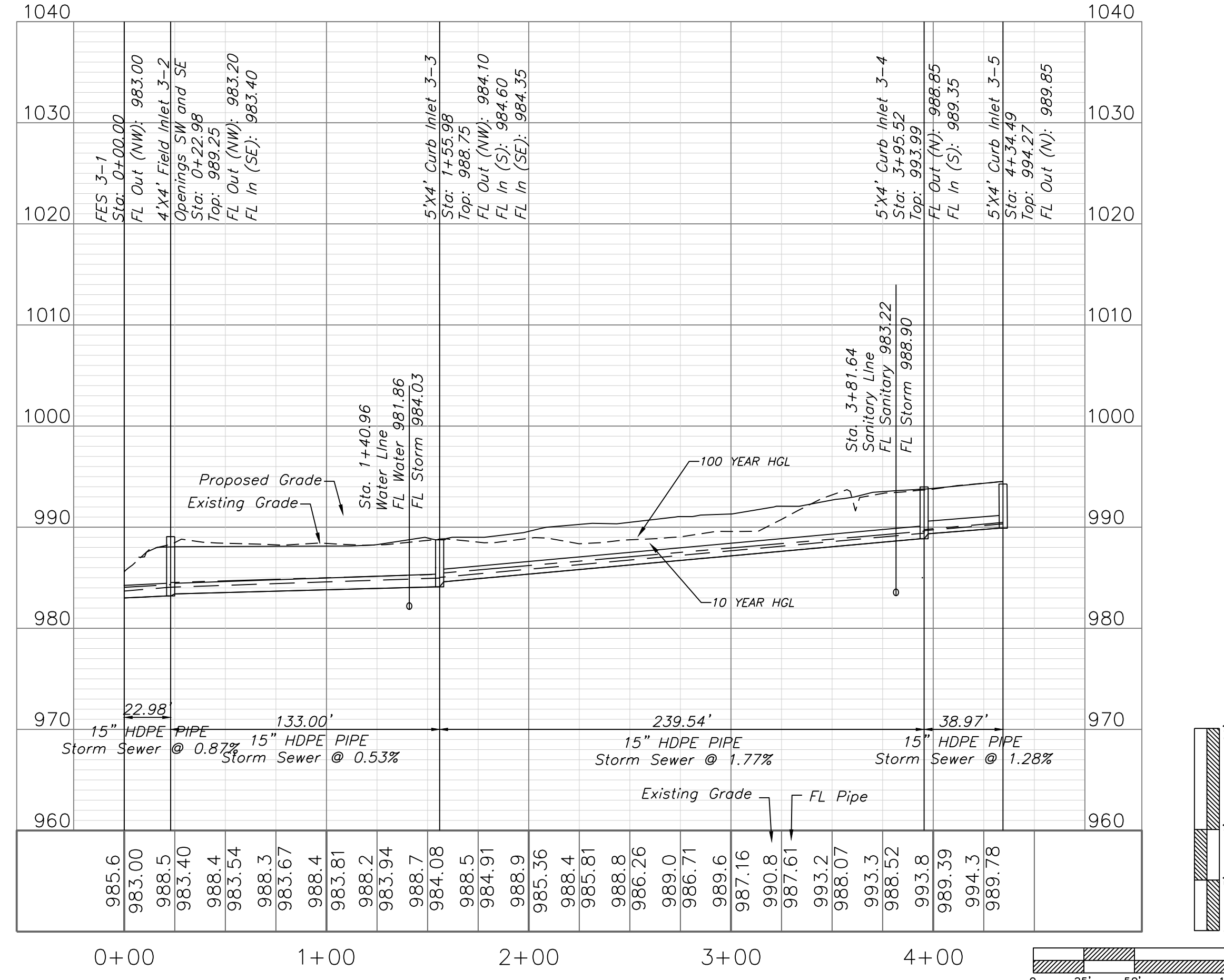
STORM LINE 1



STORM LINE 2



STORM LINE 3

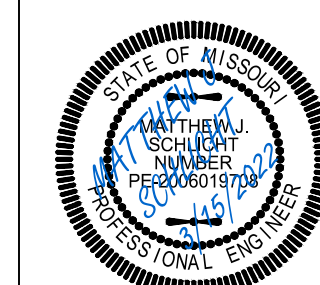


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Project
NAPA VALLEY LISMO
Issue Date
August 2, 2021

Napa Valley 5th Plat
Lee's Summit, Jackson County, Missouri

Storm Sewer Plan and Profile
Street, Stormwater Master Drainage Plans for:
Napa Valley 5th Plat
Lee's Summit, Jackson County, Missouri



Matthew J. Schlacht
MO PE 2006019708
KS PE 19071
OK PE 25226
NE PE E-14335

REVISIONS
REV. 9/28/2021
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REV. 3/15/2022

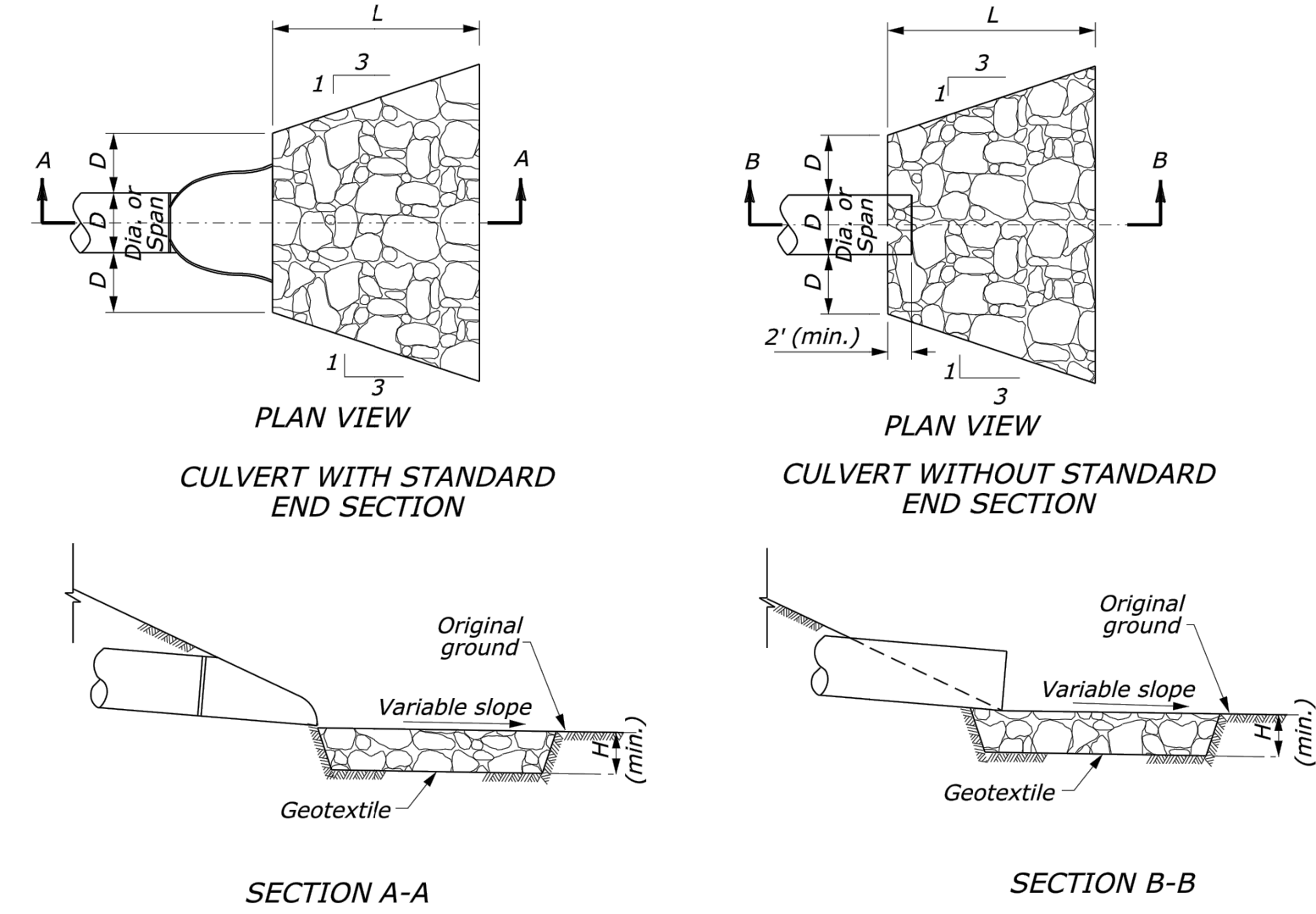
10-YR STRUCTURE																						
D.S. Str.	Str. No.	Area (ac)	InletTime (min)	Int. (in/hr)	RunoffCoeff. (C)	Q=CIA (cfs)	Q Carry-over (cfs)	QCaptured (cfs)	QBypassed (cfs)	JunctType	CurbHeight (in)	CurbLength (ft)	GutterSlope (ft/ft)	GutterWidth (ft)	CrossSlope, Sw (ft/ft)	CrossSlope, Sx (ft/ft)	InletDepth (ft)	BypassDepth (ft)	BypassSpread (ft)	GutterDepth (ft)	GutterSpread (ft)	Bypass Str.
1-1	1-2	0.57	8.2	6.5	0.51	1.89	0	0.78	1.11	Curb	10	5	0.012	2	0.05	0.02	0.21	0.18	5.93	0.21	7.55	2-2
1-2	1-3	0.54	8.7	6.39	0.51	1.76	0	0.75	1.01	Curb	10	5	0.012	2	0.05	0.02	0.21	0.17	5.67	0.21	7.32	2-3
2-1	2-2	0.35	7	6.79	0.51	1.21	1.11	0.63	1.69	Curb	10	5	0.048	2	0.05	0.02	0.18	0.16	5.19	0.18	6.05	3-4
2-2	2-3	0.32	7	6.79	0.51	1.11	1.01	0.6	1.52	Curb	10	5	0.048	2	0.05	0.02	0.18	0.16	4.9	0.18	5.79	3-5
2-3	2-4	0.46	5.4	7.23	0.51	1.7	0	1.7	0	Dp-Curb	6	8	Sag		0.02	0.02	0.17	n/a	n/a	0.17	8.54	Sag
2-4	2-5	2.26	10.6	6	0.51	6.92	0	6.92	0	Dp-Curb	6	8	Sag		0.02	0.02	0.44	n/a	n/a	0.44	21.8	Sag
3-1	3-2	0	0	0	0	0	1.69	1.69	0	Dp-Curb	6	5	Sag		0.02	0.02	0.23	n/a	n/a	0.23	11.67	Sag
3-2	3-3	0.78	6.7	6.87	0.51	2.73	1.91	4.64	0	Curb	10	5	Sag	2	0.05	0.02	0.44	n/a	n/a	0.44	19.01	Sag
3-3	3-4	0.24	5.7	7.14	0.51	0.87	0	0.49	0.39	Curb	10	5	0.014	2	0.05	0.02	0.16	0.12	3.15	0.16	5.07	3-3
3-4	3-5	0.32	5.9	7.08	0.51	1.16	0	0.57	0.58	Curb	10	5	0.014	2	0.05	0.02	0.18	0.14	4.07	0.18	5.82	Offsite

D.S. Str.	U.S. Str.	10-YR PIPE																													
		10-YR RUNOFF																		TotalFlow		CapacFull	Veloc	PipeSize	PipeSlope	Inv ElevDn	Inv ElevUp	HGLDn	HGLUp	Grnd/RimDn	Grnd/RimUp
		LineLength (ft)	Incr.Area (ac)	TotalArea (ac)	RunoffCoeff. (C)	IncrC x A	TotalC x A	InletTime (min)	TimeConc (min)	RnfallInt (in/hr)	TotalRunoff (cfs)	TotalFlow (cfs)	CapacFull (cfs)	Veloc (ft/s)	PipeSize (in)	PipeSlope (%)	Inv ElevDn (ft)	Inv ElevUp (ft)	HGLDn (ft)	HGLUp (ft)	Grnd/RimDn (ft)	Grnd/RimUp (ft)									
1-1	1-2	147	0.57	1.11	0.51	0.29	0.57	8.2	8.9	6.4	3.6	3.6	21.9	8.87	15	6.8	996	1006	996.34	1006.77	0	1010.69									
1-2	1-3	44.9	0.54	0.54	0.51	0.28	0.28	8.7	8.7	6.4	1.76	1.76	8.86	4.6	15	1.11	1006.5	1007	1006.88	1007.53	1010.69	1011.02									
2-1	2-2	147	0.35	3.39	0.51	0.18	1.73	7	11.5	5.8	10.08	10.08	42	8.23	24	2.04	989	992	989.67	993.14	0	1003.09									
2-2	2-3	57.37	0.32	3.04	0.51	0.16	1.55	7	11.4	5.9	9.08	9.08	27.45	6.56	24	0.87	992.5	993	993.29	994.07	1003.09	1004.98									
2-3	2-4	118.65	0.46	2.72	0.51	0.23	1.39	5.4	11.1	5.9	8.2	8.2	26.99	6.32	24	0.84	993.5	994.5	994.26	995.52	1004.98	1000									
2-4	2-5	161.68	2.26	2.26	0.51	1.15	1.15	10.6	10.6	6	6.92	6.92	10.74	5.94	18	0.62	995	996	995.88	997.02	1000	1000									
3-1	3-2	22.98	0	1.34	0	0	0.68	0	7.4	6.7	4.58	4.58	7.83	5.84	15	0.87	985	985.2	985.69	986.07	0	989.25									
3-2	3-3	133	0.78	1.34	0.51	0.4	0.68	6.7	7	6.8	4.64	4.64	7.63	5.8	15	0.83	985.4	986.5	986.1	987.37	989.25	991									
3-3	3-4	239.54	0.24	0.56	0.51	0.12	0.29	5.7	6.1	7	2.01	2.01	7.67	4.5	15	0.83	987	989	987.44	989.56	991	994.14									
3-4	3-5	38.97	0.32	0.32	0.51	0.16	0.16	5.9	5.9	7.1	1.16	1.16	8.39	3.98	15	1.28	989.5	990	989.81	990.42	994.14	994.72									

100-YR STRUCTURE																						
D.S. Str.	Str. No.	Area (ac)	InletTime (min)	Int. (in/hr)	RunoffCoeff. (C)	Q =CIA (cfs)	Q Carry-over (cfs)	QCaptured (cfs)	QBypassed (cfs)	JunctType	CurbHeight (in)	CurbLength (ft)	GutterSlope (ft/ft)	GutterWidth (ft)	CrossSlope, Sw (ft/ft)	CrossSlope, Sx (ft/ft)	InletDepth (ft)	BypassDepth (ft)	BypassSpread (ft)	GutterDepth (ft)	GutterSpread (ft)	Bypass Str.
1-1	1-2	0.57	8.2	11.53	0.51	3.35	0	1.06	2.29	Curb	10	5	0.012	2	0.05	0.02	0.25	0.22	8.22	0.25	9.64	2-2
1-2	1-3	0.54	8.7	11.34	0.51	3.12	0	1.02	2.11	Curb	10	5	0.012	2	0.05	0.02	0.25	0.22	7.92	0.25	9.36	2-3
2-1	2-2	0.35	7	12	0.51	2.14	2.29	0.88	3.56	Curb	10	5	0.048	2	0.05	0.02	0.22	0.21	7.35	0.22	8.1	3-4
2-2	2-3	0.32	7	12	0.51	1.96	2.11	0.84	3.22	Curb	10	5	0.048	2	0.05	0.02	0.22	0.2	7.03	0.22	7.79	3-5
2-3	2-4	0.46	5.4	12.71	0.51	2.98	0	2.98	0	Dp-Curb	6	8	Sag		0.02	0.02	0.25	n/a	n/a	0.25	12.44	Sag
2-4	2-5	2.26	10.6	10.69	0.51	12.33	0	12.33	0	Dp-Curb	6	8	Sag		0.02	0.02	0.64	n/a	n/a	0.64	32.06	Sag
3-1	3-2	0	0	0	0	0	3.56	3.56	0	Dp-Curb	6	5	Sag		0.02	0.02	0.38	n/a	n/a	0.38	19.14	Sag
3-2	3-3	0.78	6.7	12.13	0.51	4.82	4.09	8.91	0	Curb	10	5	Sag	2	0.05	0.02	0.65	n/a	n/a	0.65	29.38	Sag
3-3	3-4	0.24	5.7	12.57	0.51	1.54	0	0.67	0.87	Curb	10	5	0.014	2	0.05	0.02	0.19	0.16	5.05	0.19	6.65	3-3
3-4	3-5	0.32	5.9	12.48	0.51	2.04	0	0.78	1.25	Curb	10	5	0.014	2	0.05	0.02	0.21	0.18	6.05	0.21	7.54	Offsite

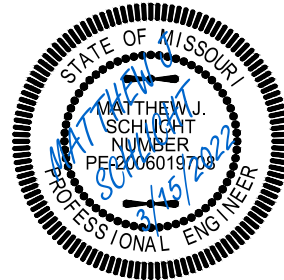
		100-YR PIPE																				
D.S. Str.	U.S. Str.	LineLength (ft)	Incr.Area (ac)	TotalArea (ac)	RunoffCoeff. (C)	IncrC x A	TotalC x A	InletTime (min)	TimeConc (min)	RnfallInt (in/hr)	TotalRunoff (cfs)	TotalFlow (cfs)	CapacFull (cfs)	Veloc (ft/s)	PipeSize (in)	PipeSlope (%)	Inv ElevDn (ft)	Inv ElevUp (ft)	HGLDn (ft)	HGLUp (ft)	Grnd/RimDn (ft)	Grnd/RimUp (ft)
1-1	1-2	147	0.57	1.11	0.51	0.29	0.57	8.2	8.8	11.3	6.39	6.39	21.9	10.72	15	6.8	996	1006	996.46	1007.02	0	1010.69
1-2	1-3	44.9	0.54	0.54	0.51	0.28	0.28	8.7	8.7	11.3	3.12	3.12	8.86	5.41	15	1.11	1006.5	1007	1007.02	1007.71	1010.69	1011.02
2-1	2-2	147	0.35	3.39	0.51	0.18	1.73	7	11.4	10.5	18.08	18.08	42	8.39	24	2.04	989	992	990.14	993.53	0	1003.09
2-2	2-3	57.37	0.32	3.04	0.51	0.16	1.55	7	11.2	10.5	16.27	16.27	27.45	7.88	24	0.87	992.5	993	993.61	994.45	1003.09	1004.98
2-3	2-4	118.65	0.46	2.72	0.51	0.23	1.39	5.4	11	10.6	14.67	14.67	26.99	7.56	24	0.84	993.5	994.5	994.55	995.88	1004.98	1000
2-4	2-5	161.68	2.26	2.26	0.51	1.15	1.15	10.6	10.6	10.7	12.33	12.33	10.74	6.98	18	0.62	995	996	996.5	997.82	1000	1000
3-1	3-2	22.98	0	1.34	0	0	0.68	0	7.5	11.8	8.07	8.07	7.83	7.11	15	0.87	985	985.2	986.06	986.32	0	989.25
3-2	3-3	133	0.78	1.34	0.51	0.4	0.68	6.7	7.2	11.9	8.16	8.16	7.63	6.81	15	0.83	985.4	986.5	986.53	987.74	989.25	991
3-3	3-4	239.54	0.24	0.56	0.51	0.12	0.29	5.7	6.1	12.4	3.54	3.54	7.67	3.71	15	0.83	987	989	988.67	989.76	991	994.14
3-4	3-5	38.97	0.32	0.32	0.51	0.16	0.16	5.9	5.9	12.5	2.04	2.04	8.39	4.69	15	1.28	989.5	990	989.92	990.57	994.14	994.72

STANDARD RIPRAP APRON DETAIL



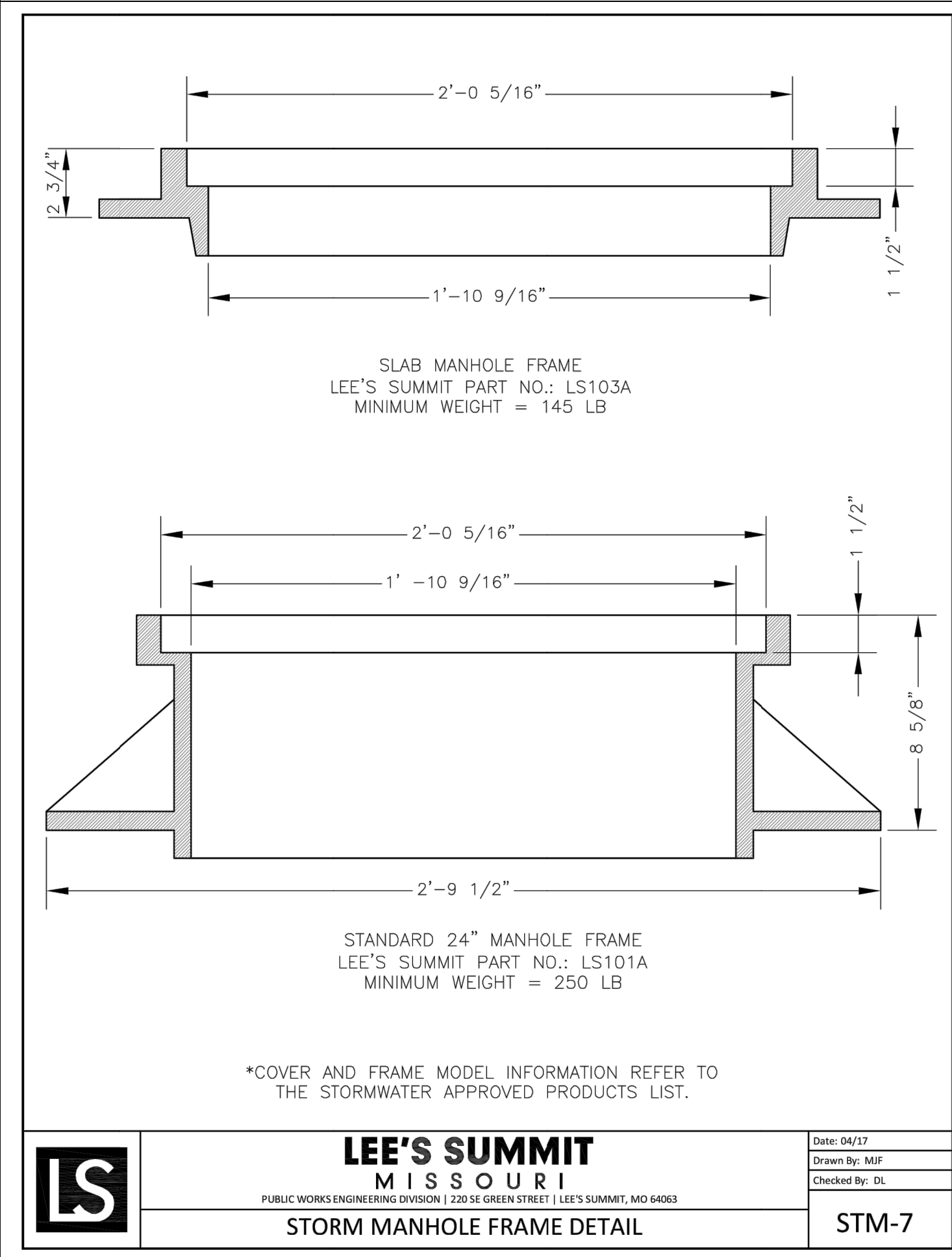
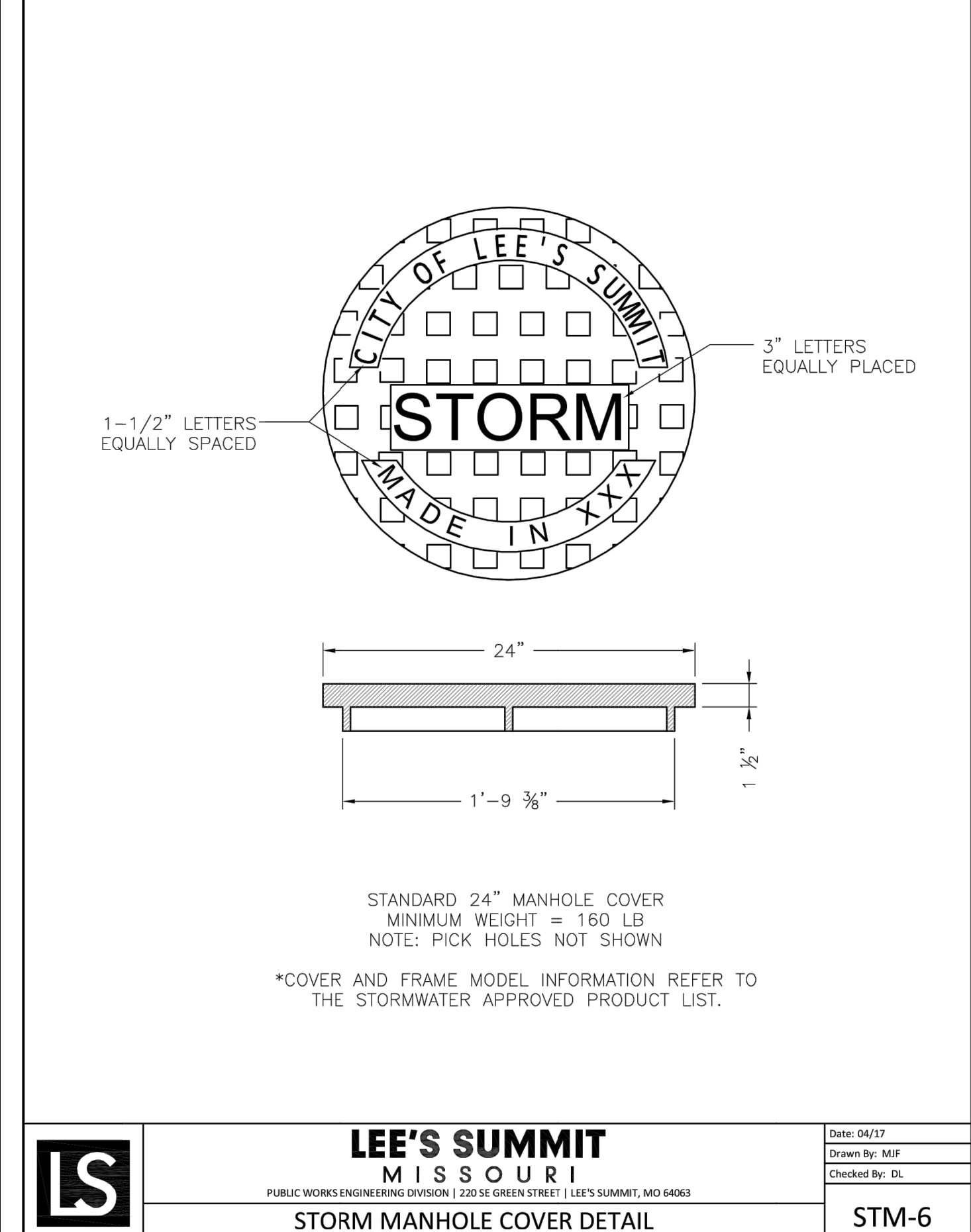
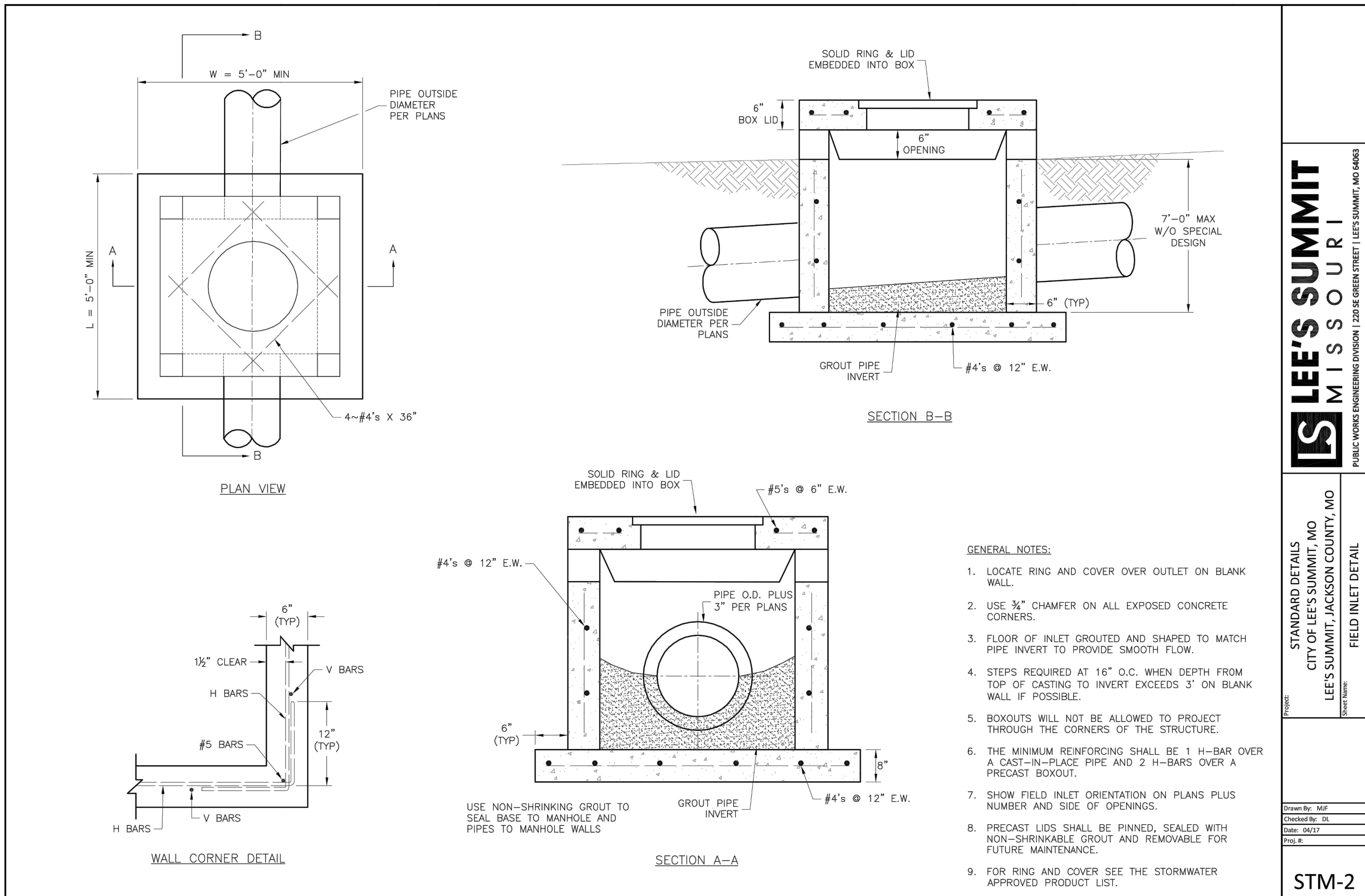
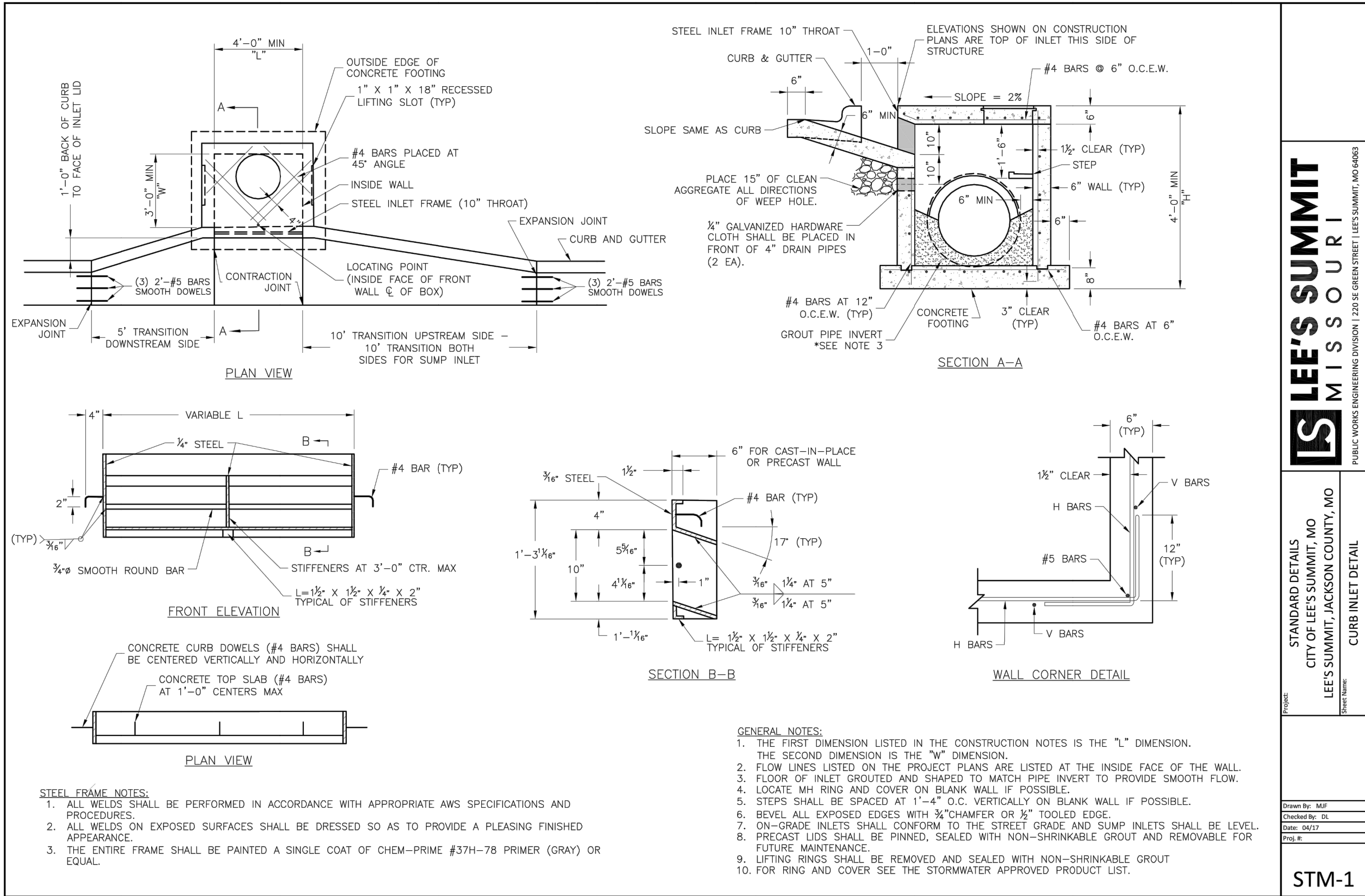
- NOTES:
- ALL RIPRAP APRONS SHALL CONFORM TO THE STANDARD CONFIGURATION SHOWN IN THE STANDARD DETAIL ABOVE UNLESS OTHERWISE NOTED. PLAN VIEW DIMENSIONS SHOWN SHALL BE MET OR EXCEEDED INCLUDING AREAS OF LONGITUDINAL AND/OR TRANSVERSE SLOPE.
 - DIMENSIONS FOR EACH RIPRAP APRON AND ASSOCIATED RIPRAP ARE DETAILED IN THE PLAN SET.
 - GEOTEXTILE SHALL BE "GEI WORKS 4 OUNCE" NON-WOVEN FILTER FABRIC DESIGNED FOR FILTRATION, STABILIZATION AND SEPARATION WRAPPED CONTINUOUSLY ALONG THE SIDEWALLS AND BOTTOM OF THE PREPARED AREA OR SLOPE.
 - WATER FLOW = 120 GPM/SF
 - GRAB STRENGTH (MIN) = 400 N
 - PUNCTURE STRENGTH (MIN) = 178 N
 - TRAPEZOIDAL TEAR (MIN) = 133 N
 - ELONGATION (MIN) = 15%

10 YR & 100 YR STORM TABLES
Street, Stormwater Master Drainage Plans for:
Napa Valley 5th Plat
Lee's Summit, Jackson County, Missouri



Matthew J. Schlicht
MO PE 2006019708
KS PE 19071
OK PE 25226
NE PE E-14335

REVISIONS	
REV. 9/28/2021	
REV. 12/6/2021	
REV. 12/17/2021	
REV. 3/2/2022	
REV. 3/15/2022	



GENERAL NOTE:

1 - ALL CONSTRUCTION SHALL CONFORM TO THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL AS ADOPTED BY ORDINANCE 5813.