SUMMIT VIEW FARMS 4TH PLAT LOTS 75-120 AND TRACT D

MASS GRADING, EROSION CONTROL, PAVING AND STORM SEWER PLANS LEE'S SUMMIT, JACKSON COUNTY, MISSOURI SECTION 26, TOWNSHIP 47 N, RANGE 32 W LAMP RYNEARSON NO. 0318050.02

VICINITY

OWNER CONTACT BILL KENNEY SUMMIT VIEW FARMS DEVELOPMENT GROUP, LLC P.O. BOX 291 LEE'S SUMMIT, MO 64063 billkenney9@gmail.com (816) 838-0552

CONSULTANT CONTACT DAN MCGHEE LAMP RYNEARSON 9001 STATE LINE ROAD, SUITE 200 KANSAS CITY, MO 64114 Dan.McGhee@lamprynearson.com (816) 361-0440

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RECORD DRAWING

The information provided on this drawing conforms to construction records; it is not intended for construction, implementation or recording purposes; and it is solely based on information provided by others and information obtained by my firm.

"100.00 100.10", "1.00% 1.15% slope", or "8-inch HDPE PVC pipe" are all typical examples of revisions that indicate that design data has been replaced with "as-built" information. All other data is as designed and has not been field verified.

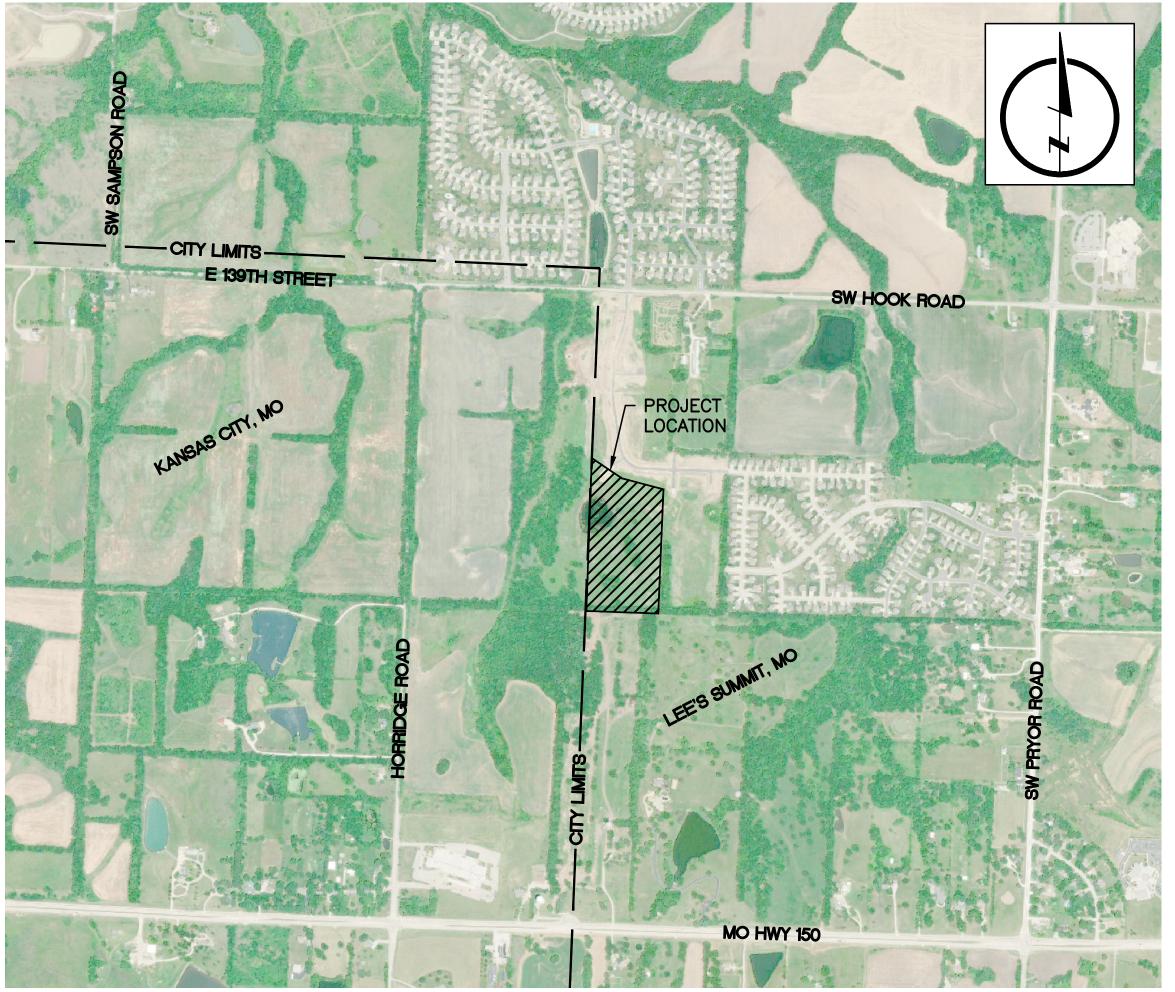
Date: 05-13-2022

Certified by: ___Mark Daniel McGhee Jr._____ Title: Senior Project Manager

Firm: <u>Lamp Rynearson</u>

LAMP RYNEARSON

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LOCATION MAP

ITEM		ESTIMATED	
NO.	ITEM DESCRIPTION	QUANTITY	ן רואט
1	EARTHWORK (STRIP / CUT) (BANK QUANTITY)	10,410	CY
2	EARTHWORK (FILL) (EXCLUDES FINISH GRADING QUANTITY)	13,485	CY
3	TEMPORARY CONSTRUCTION ENTRANCE	1	EA
4	MULCH BERMS / SEDIMENT FENCE	1,330	LF
5	TEMPORARY DITCH CHECKS	19	EA
6	MAINTAIN TEMPORARY SEDIMENT BASIN	1	EA
7	INLET PROTECTION	22	EA
8	TEMPORARY SEEDING	13	AC
9	EARTHWORK (FINISH GRADING)	4,000	CY
10	PERMANENT SEEDING	13	AC
11	NATIVE SWALE PLANTINGS AND DITCH CHECKS W/ 4" PIPE	945	LF
12	2" TYPE 5 (APWA) VIRGIN AC SURFACE COURSE	9,358	SY
13	4" TYPE 5 (APWA) AC BASE COURSE	6,843	SY
14	5.5" TYPE 5 (APWA) AC BASE COURSE	2,515	SY
15	6" MODOT TYPE 5 BASE	11,246	SY
16	6" SUBGRADE STABILIZATION	8,259	SY
17	9" SUBGRADE STABILIZATION	2,987	SY
18	2' CONCRETE CURB & GUTTER (TYPE CG-1)	1,434	LF
19	2' CONCRETE CURB & GUTTER (TYPE CG-2)	4,229	LF
20	4" CONCRETE SIDEWALK (ALL SIDEWALK IN PLAT)	15,950	SF
21	ADA SIDEWALK RAMPS	985	SF
22	15" STORM SEWER PIPE (HDPE)	558	LF
23	15" STORM SEWER PIPE (PP OR RCP)	132	LF
24	18" STORM SEWER PIPE (HDPE)	285	LF
25	24" STORM SEWER PIPE (HDPE)	434	LF
26	30" STORM SEWER PIPE (HDPE)	196	LF
27	36" STORM SEWER PIPE (HDPE)	89	LF
28	36" STORM SEWER PIPE (PP OR RCP)	211	LF
29	42" STORM SEWER PIPE (HDPE)	391	LF
30	5' X 3' CURB INLET (LS STM-1)	11	EA
31	5' X 4' CURB INLET (LS STM-1)	2	EA
32	5' X 4' CURB INLET (SPECIAL LS STM-1)	1	EA
33	5' X 5' CURB INLET (LS STM-1)	3	EA
34	5' X 7' CURB INLET (SPECIAL LS STM-1)	1	EA
35	8' X 5' CURB INLET (SPECIAL LS STM-1)	1	EA
36	5' X 5' JUNCTION BOX (SPECIAL LS STM-3)	2	EA
37	4' X 4' FIELD INLET (LS STM-2)	3	EA
38	6' DIA. HYDRODYNAMIC SEPARATOR UNIT	2	EA
39	6" PIPE UNDERDRAIN	300	LF

<u>UTILITIES</u>		
ELECTRIC:	EVERGY	(816) 471-5275
GAS:	SPIRE ENERGY	(816) 756-5252
TELEPHONE:	AT&T	(816) 325-5607
CABLE:	SPECTRUM	(816) 358-8833
	GOOGLE	(415) 736-9962
WATER:	LEE'S SUMMIT WATER UTILITIES	(816) 969-1900

CALL OR CLICK 3 DAYS BEFORE YOU DIG!

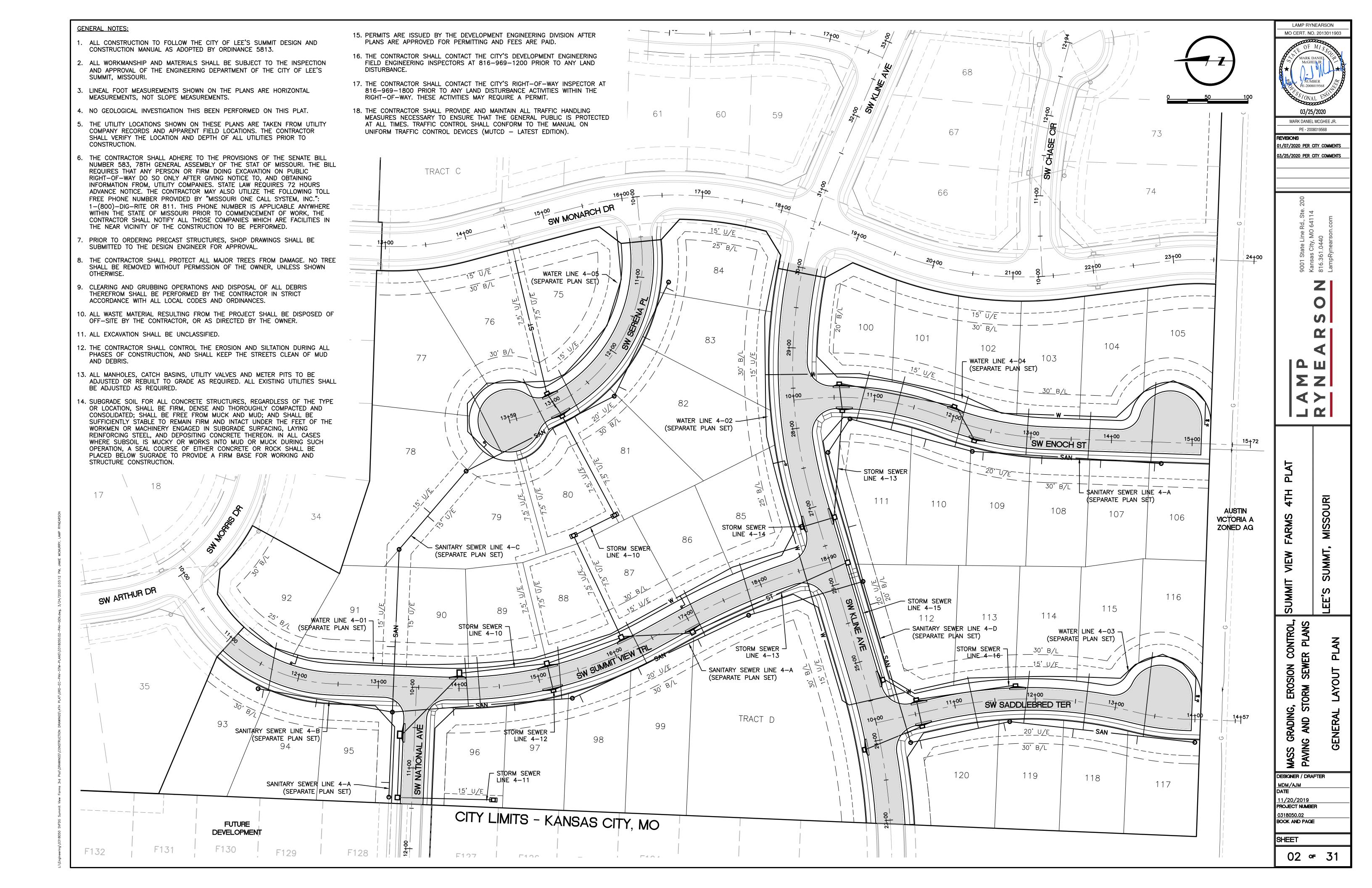


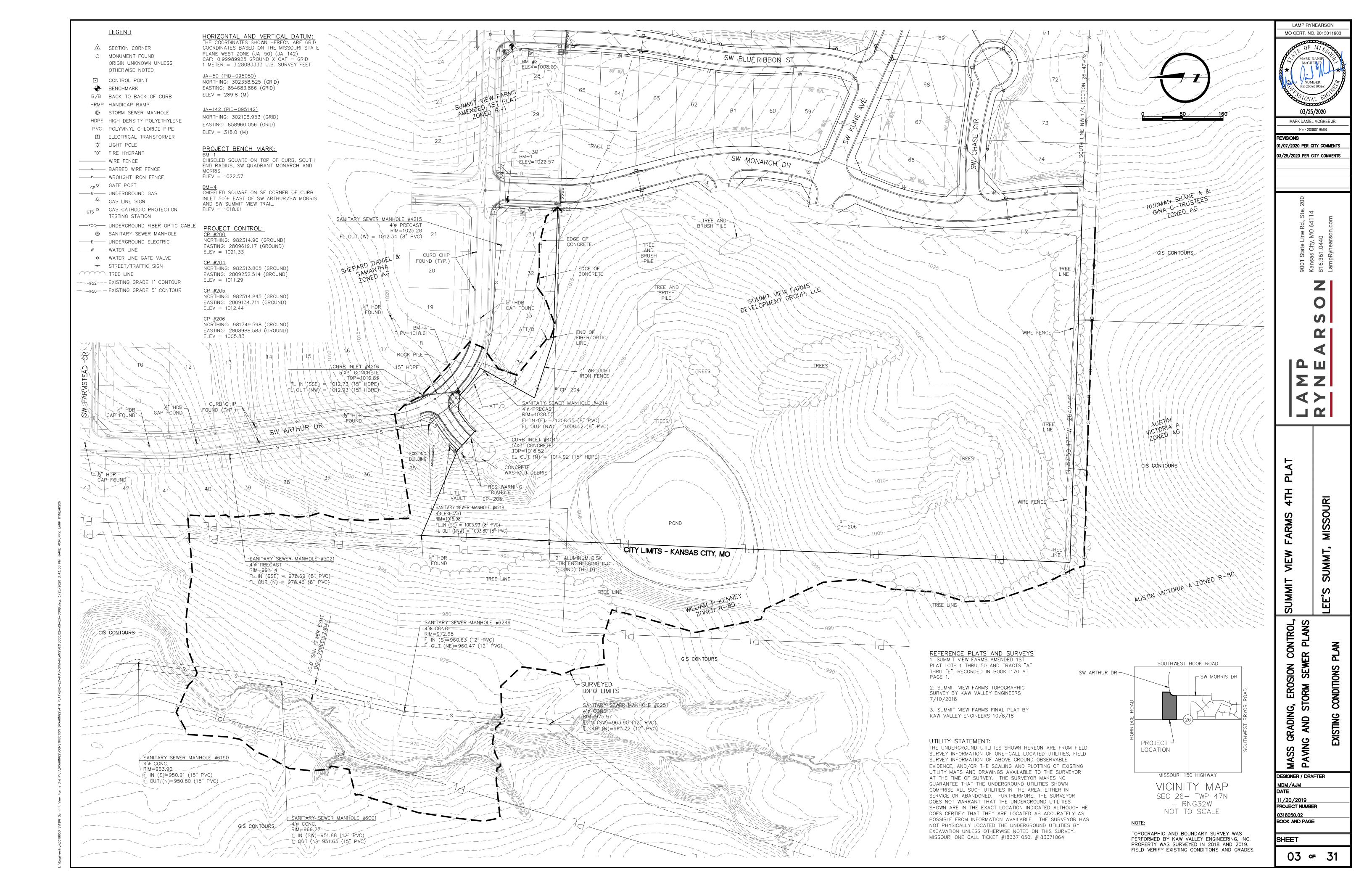
ALL UTILITIES ARE SHOWN BASED ON THE INFORMATION AVAILABLE TO THE ENGINEER. THERE IS NO GUARANTEE ALL FACILITIES ARE SHOWN OR THAT THE LOCATION, DEPTH, AND SIZE OF EACH FACILITY IS CORRECT. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES AND SERVICE LINES PRIOR TO CONSTRUCTION. COORDINATE NECESSARY RELOCATIONS WITH UTILITY COMPANIES.

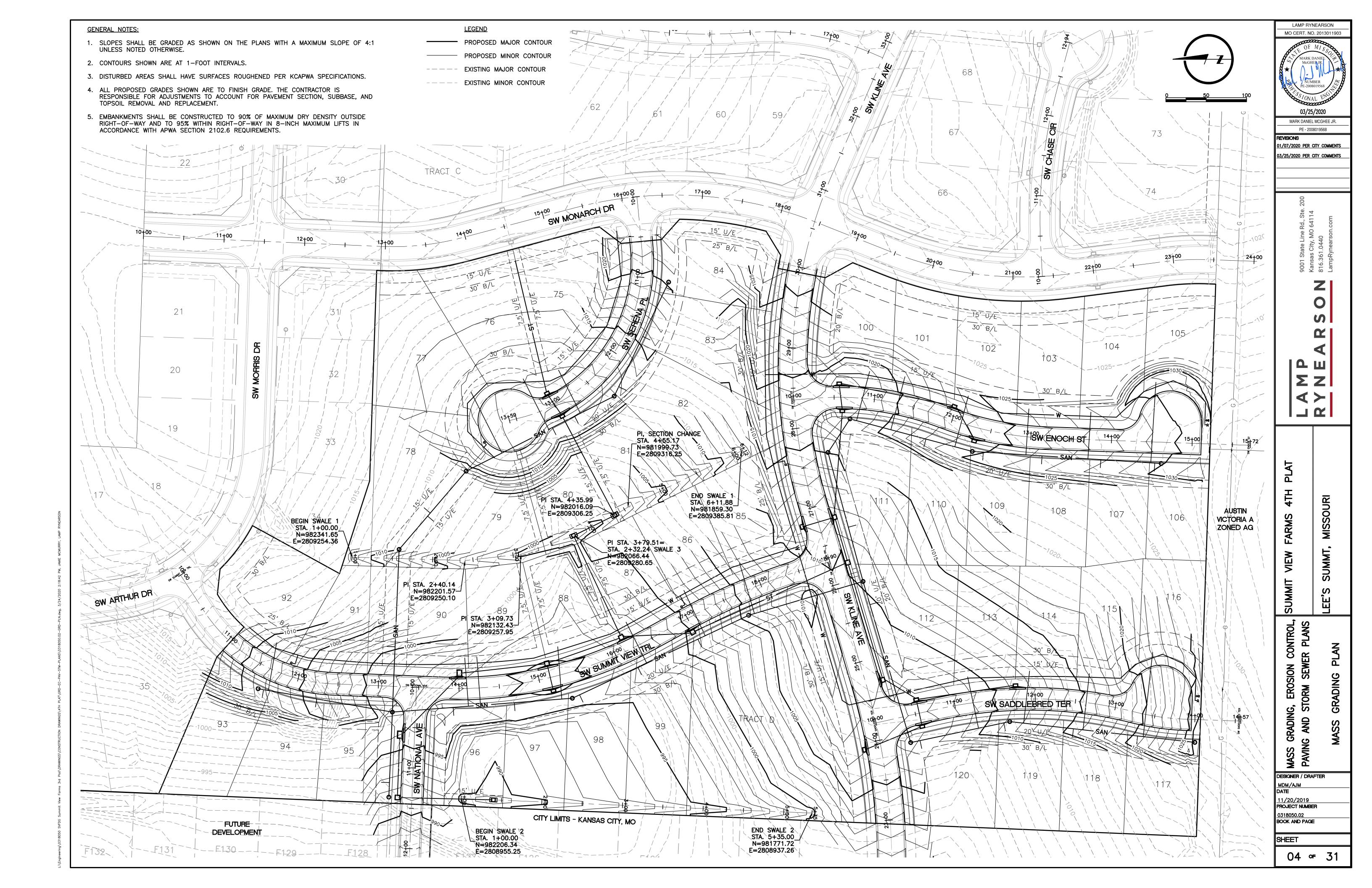


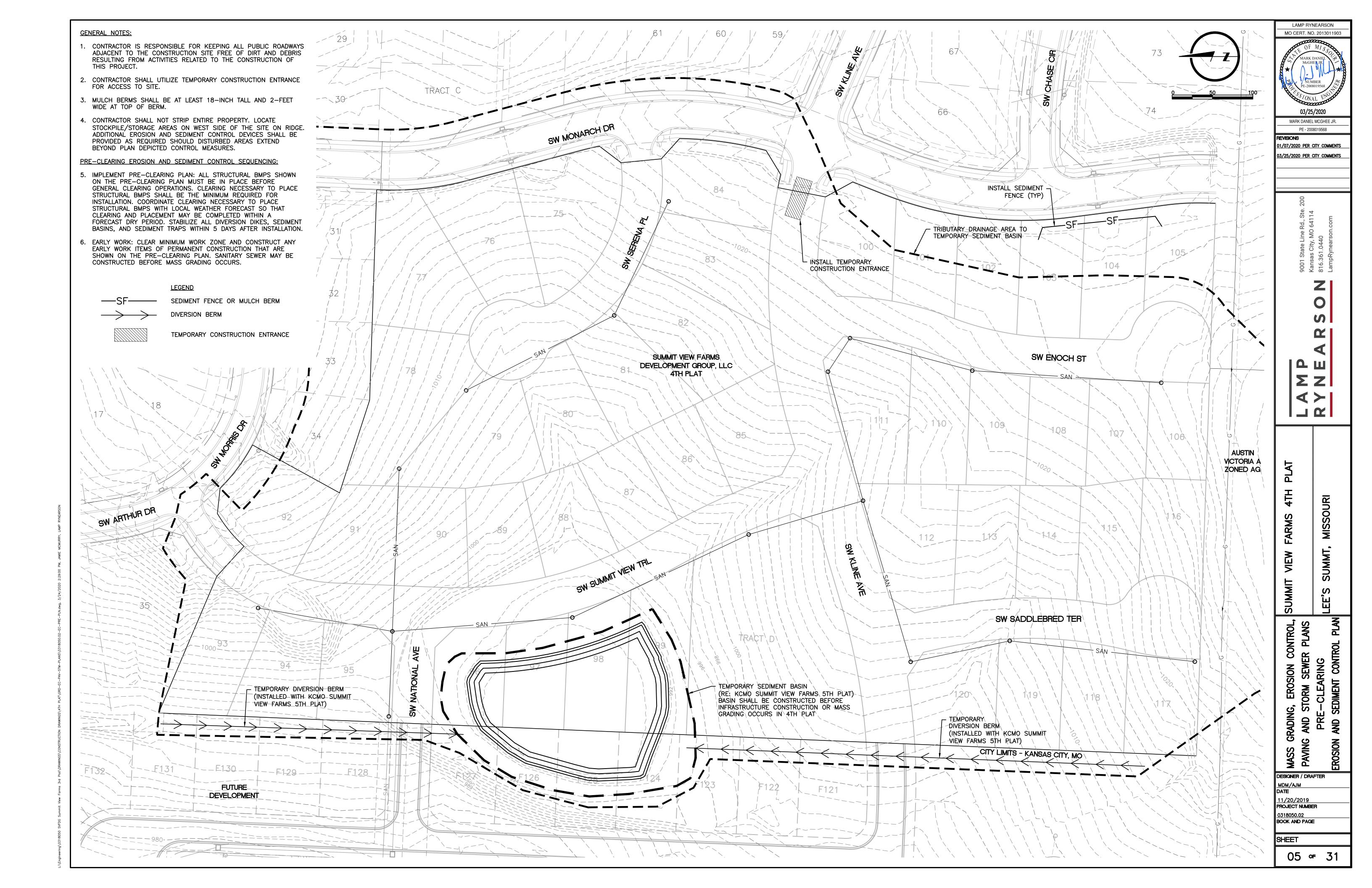
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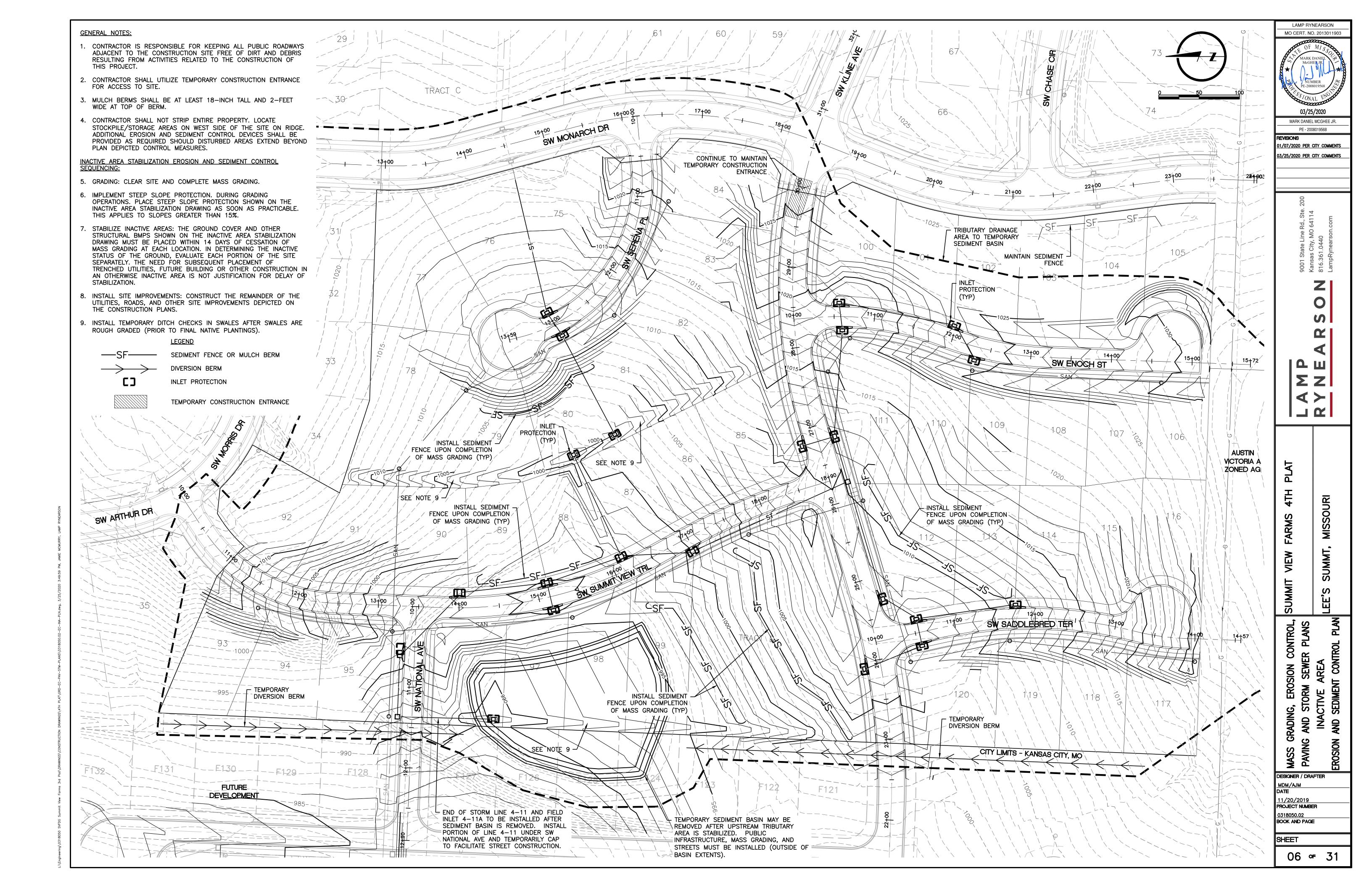
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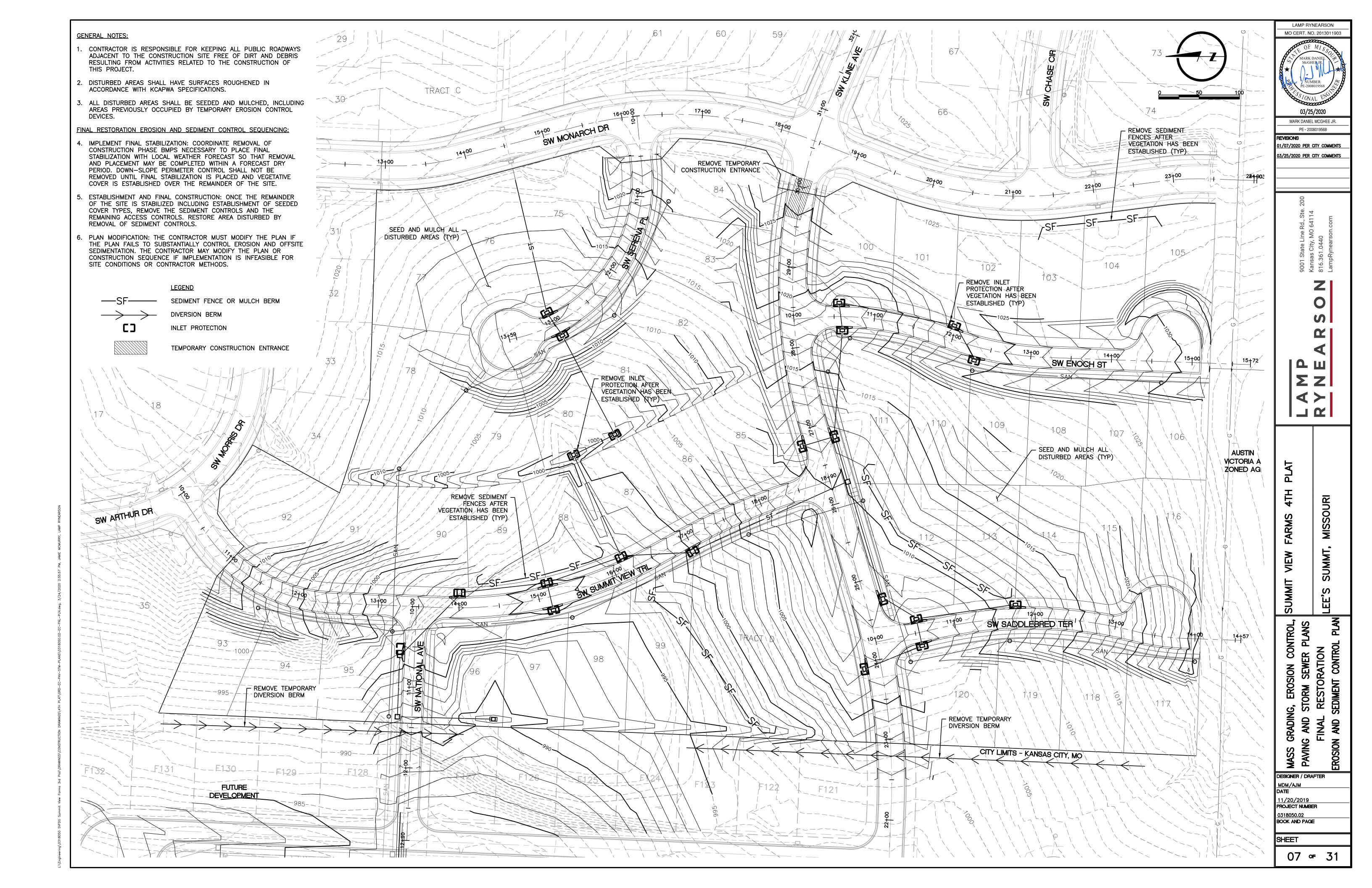


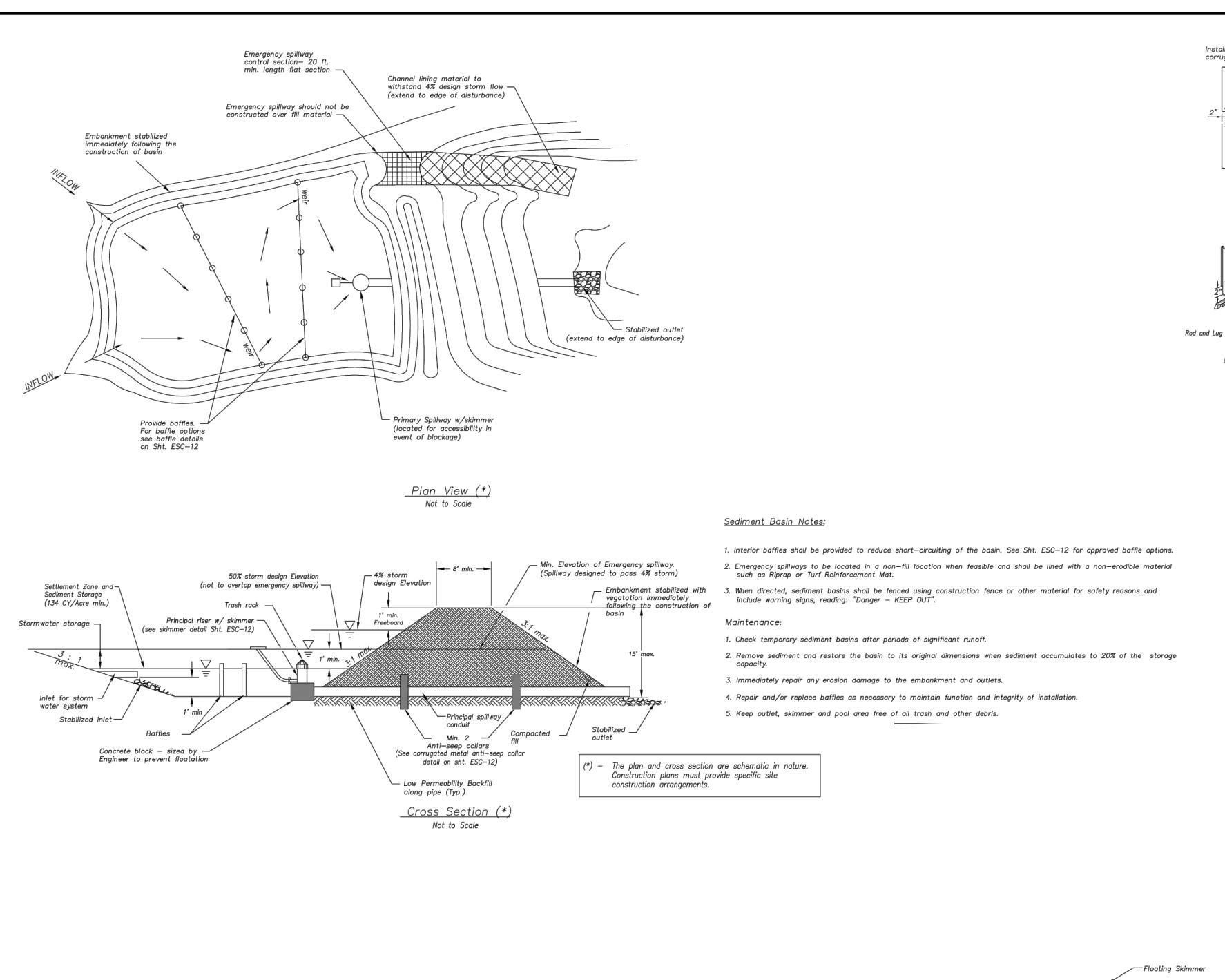


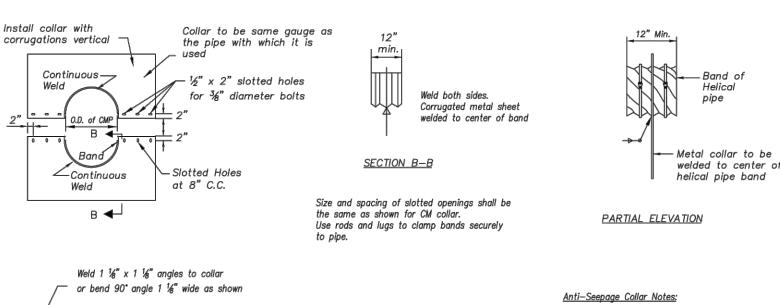












Sheet metal collar shall be cut to fit corrugations of helical band and welded with continuous weld

ANTI-SEEPAGE COLLAR LOCATIONS

CORRUGATED METAL ANTI-SEEPAGE COLLAR DETAIL

Not to Scale

1. Connections between the anti-seepage collar and the barrel must be watertight.

2. P = projection distance. Sized as required to achieve at least a 10% increase in seepage

3. 14xP = Max. spacing between collars. 4. Collars shall generally be placed in the middle third of the embankment, and within the

5. All materials to be in accordance with construction material specifications.

When specified on the plans, coating of collars shall be in accordance with construction material specifications.

7. Unassembled collars shall be marked by painting or tagging to identify matching pairs.

saturated zone.

- 8. The lap between the two half sections and between the pipe and connecting band shall be caulked with asphalt mastic at the time of
- 9. Each collar shall be furnished with two (2) 1/2" diameter rods with standard tank lugs for connecting the collars to the pipe.

LAMP RYNEARSON MO CERT. NO. 2013011903

03/25/2020

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VIEW

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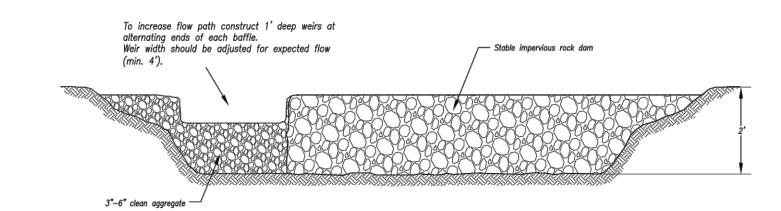
REVISIONS

- 10. For bands and collars, modification of the details shown may be used providing equal water tightness is maintained and detailed drawings are Submitted and approved by the
- 11. Two other types of anti-seep collars are: a. Corrugated metal, similar to above, except shop welded to a 4 ft. section of

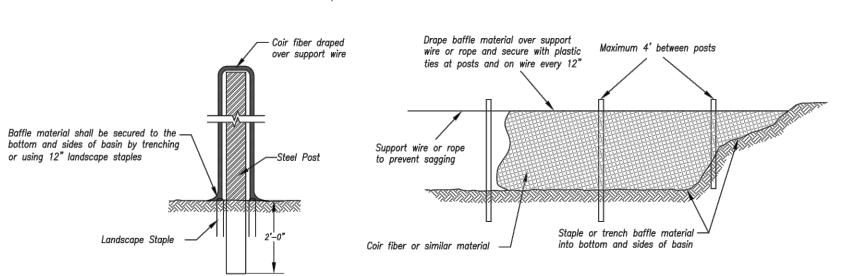
Engineer prior to delivery.

b. Concrete, 6 inches thick, formed around the pipe with #3 rebar spaced 15".

the pipe and connected to the pipe with

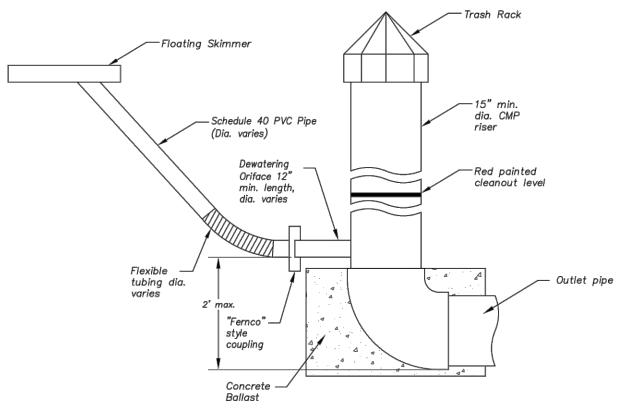


Option A - Rock with Weir



<u> Option B - Coir Fiber Material</u>

BAFFLE DETAILS Not to Scale



PRINCIPAL SPILLWAY DETAIL

ISOMETRIC VIEW



STANDARD DRAWING NUMBER ESC-II SEDIMENT BASIN ADOPTED:

SEDIMENT BASIN - DETAILS

IO/24/2016 STANDARD DRAWING NUMBER ESC-12 ADOPTED: 10/24/2016

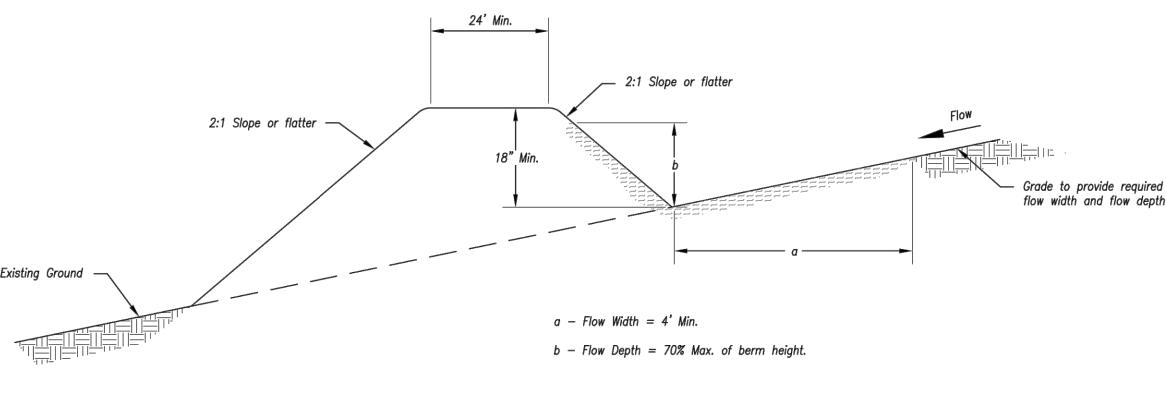
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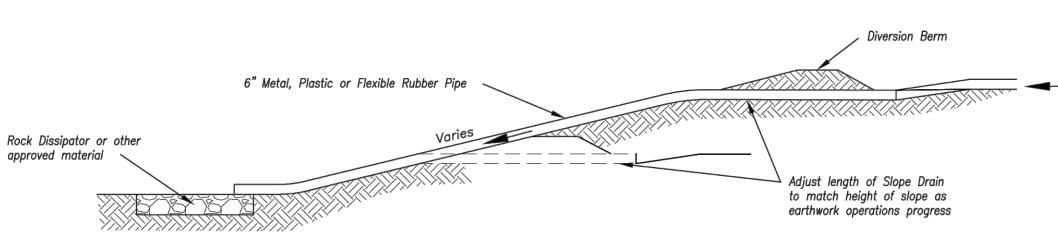
FORM SEWER PLANS
AND SEDIMENT
OL DETAILS MASS GF PAVING DESIGNER / DRAFTER MDM/AJM DATE 11/20/2019 PROJECT NUMBER 0318050.02 BOOK AND PAGE

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SHEET

TYPICAL PROFILE OF DIVERSION BEAM





Surface of Compacted Fill

TYPICAL PROFILE OF DIVERSION BERM WITH SLOPE DRAIN

TYPICAL PLAN VIEW OF DIVERSION BERM AND SLOPE DRAIN

Notes for Diversion Berm:

- 1. Slope drains are optional, but may be required by the engineer if the berm is at the top of a steep slope.
- 2. Diversion berms must be installed as a first step in the land-disturbing activity and must be functional prior to upslope land disturbance.
- 3. The berm should be adequately compacted to prevent failure.
- 4. Temporary or permanent seeding and mulch shall be applied to the berm immediately following its construction.
- 5. Place the berm so to minimize damages by construction operations and traffic.
- 6. The berm must discharge to a temporary sediment trap or stabilized area.
- 7. All trees, brush, stumps, obstructions and other objectionable material shall be removed and disposed of so as not to interfere with the proper functioning of diversion.
- 8. The diversion shall be excavated or shaped to line, grade and cross-section as required to meet the criteria specified herein, free of irregularities which will impede flow.
- 9. Fills shall be compacted as needed to prevent unequal settlement that would cause damage in the completed diversion. Fill shall be composed of soil which is free from excessive organic debris, rocks or other objectionable materials.

<u>Maintenance:</u>

- 1. Berm shall be reshaped, compacted, and stabilized as necessary to maintain its function.
- 2. Breaches in the berm shall be repaired immediately.

Notes for Slope Drain:

1. Slope Drain and Diversion Berm may be used on either project foreslopes or project backslopes. Slope Drain Pipe

Face of Slope

- 2. Discharge of Slope Drains shall be into stabilized ditch or area, or into Sediment Basin.
- 3. Pipe shall be secured in place as approved by Engineer.

<u>Maintenance:</u>

- 1. Accumulation of any visible sediment at the inlet and outlet shall be removed promptly.
- 2. Outlet conditions shall be repaired if scour is observed. Leaking or damaged section of pipe shall be repaired immediately.
- 3. Barriers directing water to the inlet shall be monitored for continuity and effectiveness.

4' (max.) Stakes (typ.)

Section C-C

Typical Elevation

-Wattle or Biodegradable Log Direction of Flow igspace Trenching per manufactures instructions.

Section B-B

Section A-A

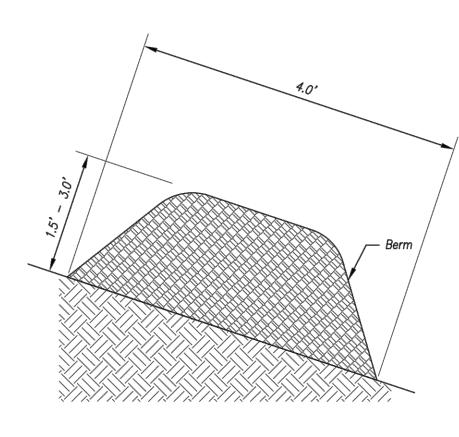
Notes for Wattles and Biodegradable Log Slope Protection:

- 1. The Slope barriers shall be placed along contour lines, with a short section turned upgrade at each end of the barrier. The maximum length of the slope barrier shall not exceed 250 feet, and the barrier ends need to be staggered.
- 2. Install wattles and biodegradable logs per manufacturer's instructions.
- 3. Spacing of stakes per manufacturer's instructions with 4' max. spacing. Length of stakes shall be a minimum of 2 times the diameter of the log with minimum of 24".

WATTLES AND BIODEGRADABLE LOG

2.5' - 3.0'

<u>Figure 1</u> (Perimeter Control)



<u>Figure 2</u> (Steep Slopes)

Notes for Mulch and Compost Filter Beam:

- 1. The sediment control berm shall be placed uncompacted in a windrow at locations shown on the plans or as directed by the engineer.
- 2. Parallel to the base of the slope, or around the perimeter of other affected areas, construct a 1 to 3 foot high by 2.5 to 3 foot wide berm (see Figure 1). For maximum water treatment ability or for steep slopes, construct a 1.5 to 3 foot high trapezoidal berm that is a minimum of 4 feet wide at the base (see Figure 2). In extreme conditions, or where specified by the engineer, a second berm shall be constructed at the top of the slope. Engineer will specify berm requirements.
- 3. If berm is to be left as permanent or part of the natural landscape, the compost berm may be seeded during application for permanent vegetation.
- 4. Do not use compost or wood mulch berms in any runoff channels or concentrated flow areas.
- 5. Wood mulch shall consist of tree and shrub debris resulting from clearing and grubbing and shall be ground by the mechanical means such as a chipper, hammermill, tub grinder or other approved method. Mulch sizing varies with a maximum width of 2" and a maximum length of 10".

Maintenance for Mulch and Compost Filter Beam:

- 1. Berm shall be reshaped and material added as necessary to maintain function and dimensions.
- 2. Breaches in the berm shall be repaired promptly.

MULCH OR COMPOST FILTER BERMS

AMERICAN PUBLIC WORKS ASSOCIATION



KANSAS CITY METRO CHAPTER

DIVERSION BERMS AND SLOPE DRAINS

WATTLES/BIODEGRADABLE LOG AND MULCH/COMPOST FILTER BERM

STANDARD DRAWING NUMBER ESC-05 ADOPTED: 10/24/2016 STANDARD DRAWING

10/24/2016

NUMBER ESC-04

ADOPTED:

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ROSION CONTROL,

M SEWER PLANS

D SEDIMENT

DETAILS GRADING, EROSIG AND STORM MASS GI PAVING DESIGNER / DRAFTER MDM/AJM 11/20/2019 PROJECT NUMBER 0318050.02 BOOK AND PAGE

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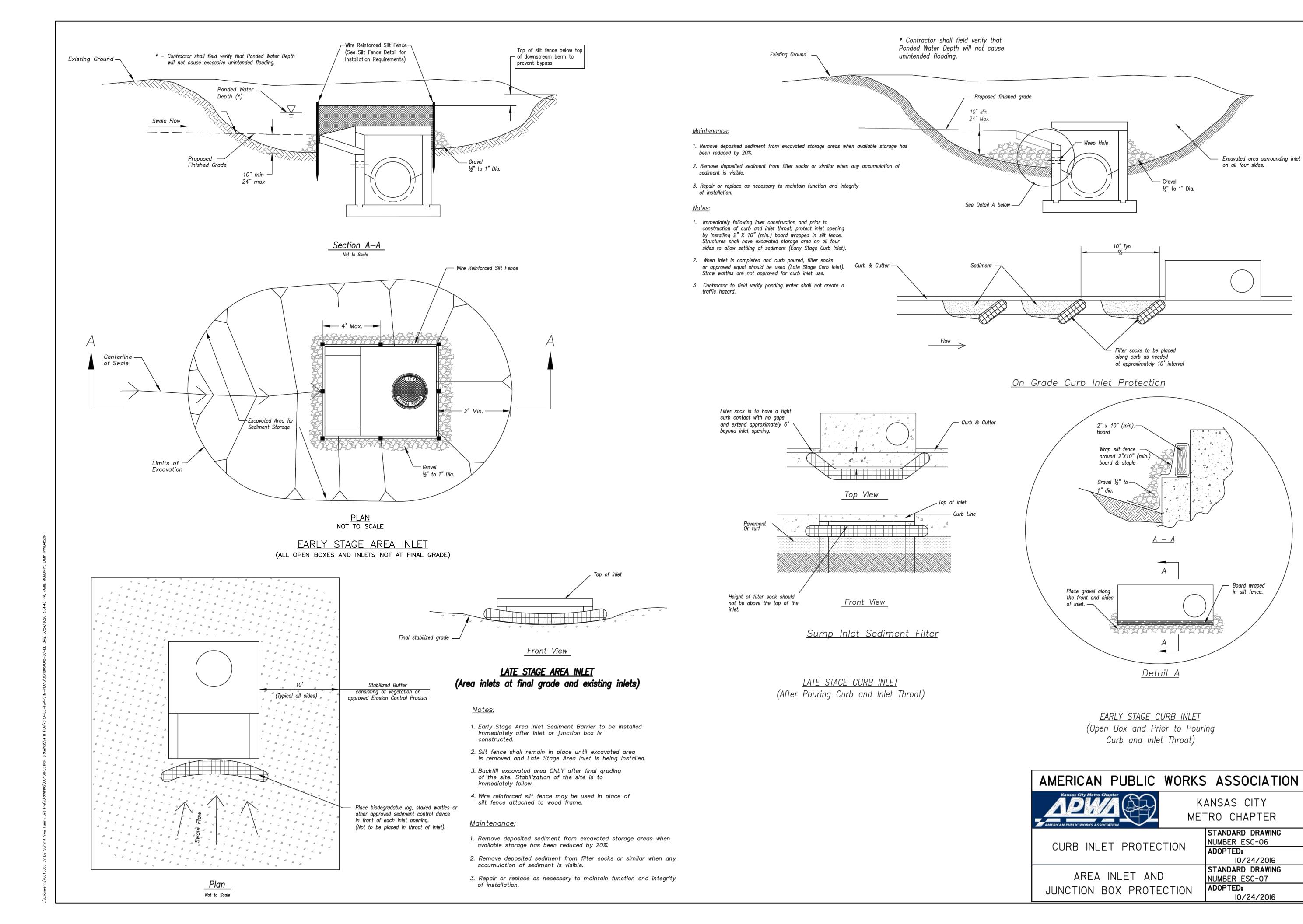
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FARM

REVISIONS



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Excavated area surrounding inlet

on all four sides.

½" to 1" Dia.

Filter socks to be placed along curb as needed

2" x 10" (min).

around 2"X10" (min. board & staple

at approximately 10' interval

<u>Detail A</u>

EARLY STAGE CURB INLET

(Open Box and Prior to Pouring

Curb and Inlet Throat)

KANSAS CITY

METRO CHAPTER

ADOPTED:

ADOPTED:

STANDARD DRAWING

STANDARD DRAWING

NUMBER ESC-07

10/24/2016

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ROSION CONTROL,

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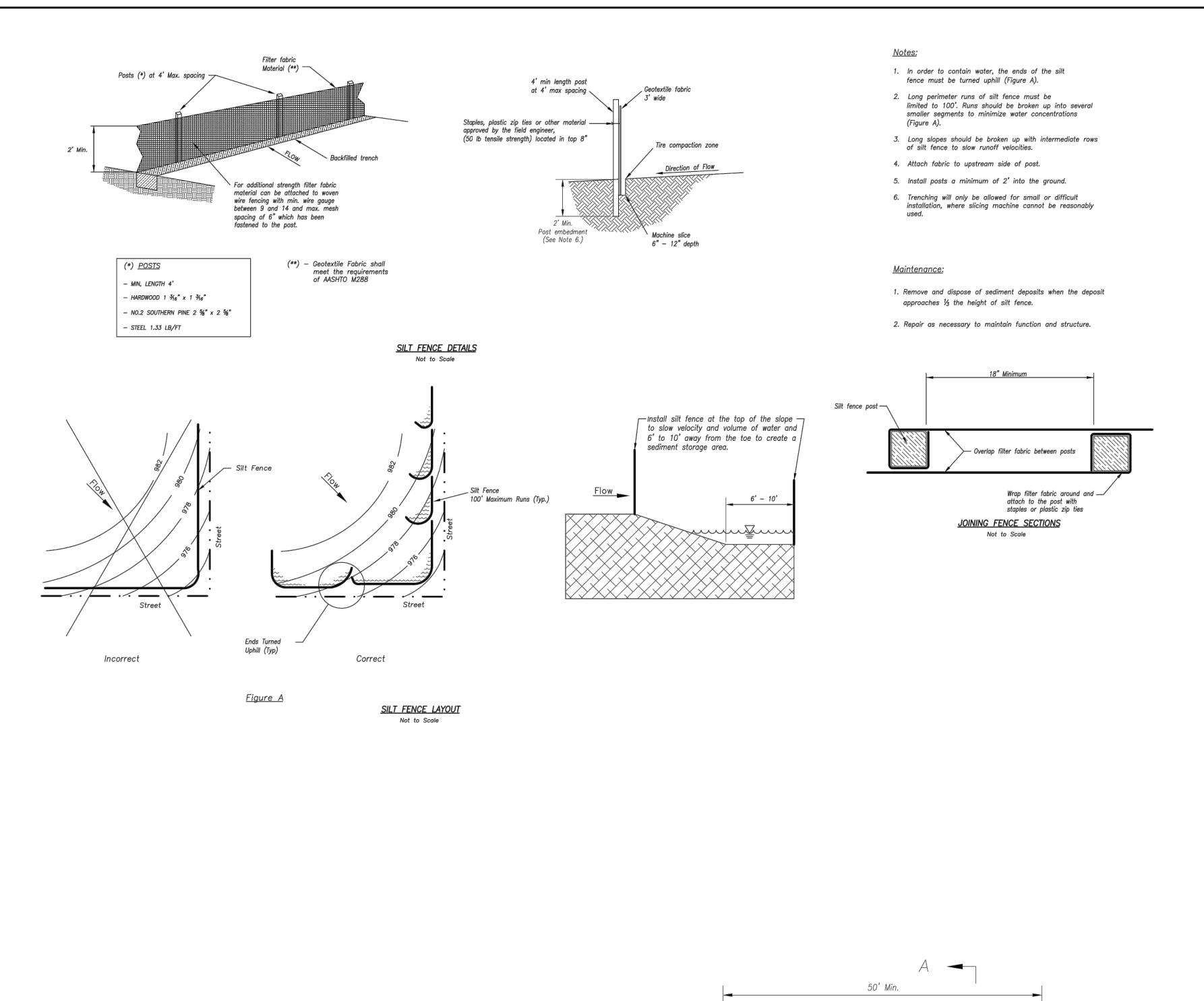
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DETAILS GRADING, EROSIG AND STORM

MASS GI PAVING DESIGNER / DRAFTER MDM/AJM DATE 11/20/2019 PROJECT NUMBER

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Existing Ground —

CONSTRUCTION ENTRANCE

Existing Pavement

Non-Woven Geotextile

Non-Woven Geotextile

50' Min.

2-3" Coarse

* - Must extend full width of

ingress and egress operation

- Washrack / Rumble Strip

(Optional)

Positive drainage

<u>Plan View</u>

Not to Scale

Sediment Trapping Device

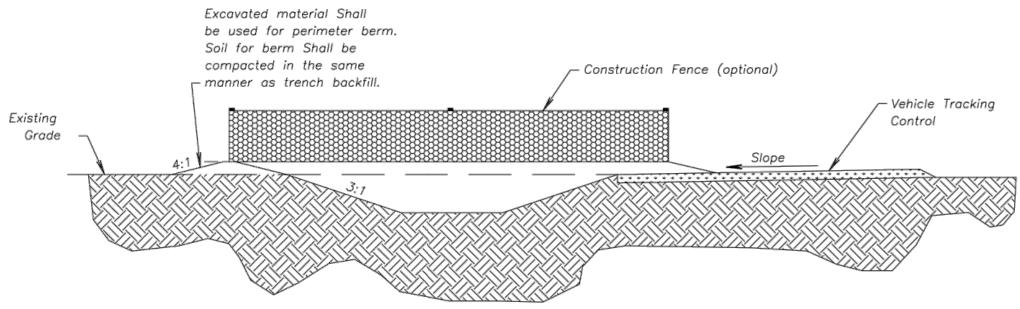
Existing Ground —

Notes for Concrete Washout:

- 1. Concrete washout areas shall be installed prior to any concrete
- 2. Concrete washout area shall include a flat subsurface pit sized relative to the amount of concrete to be placed on site. The slopes leading out of the subsurface pit shall be 3:1. The vehicle tracking pad shall be sloped towards the concrete washout area.
- 3. Vehicle tracking control is required at the access point to all concrete washout areas.
- 4. Signs shall be placed at the construction site entrance, washout area and elsewhere as necessary to clearly indicate the location(s) of the concrete washout area(s) to operators of concrete truck and pump rigs.
- 5. A one-piece impervious liner may be required along the bottom and sides of the subsurface pit in sandy or gravelly soils.

Maintenance for Concrete Washout:

- 1. Concrete washout materials shall be removed once the materials have filled the washout to approximately 75% full.
- 2. Concrete washout areas shall be enlarged as necessary to maintain capacity for wasted concrete.
- 3. Concrete washout water, wasted pieces of concrete and all other debris in the subsurface pit shall be transported from the job site in a water—tight container and disposed of properly.
- 4. Concrete washout areas shall remain in place until all concrete for the project is placed.
- 5. When concrete washout areas are removed, excavations shall be filled with suitable compacted backfill and topsoil, any disturbed areas associated with the installation, maintenance, and/or removal of the concrete washout areas shall be stabilized.



CONCRETE WASHOUT

Notes for Construction Entrance:

— Mountable Berm (Optional)

6" Min.

Side Elevation

20' Min.

Section A-A

Not to Scale

- 1. Avoid locating on steep slopes, at curves on public roads, or downhill of disturbed area.
- 2. Remove all vegetation and other unsuitable material from the foundation area, grade, and crown for positive drainage.
- 3. If slope towards the public road exceeds 2%, construct a 6- to 8-inch high ridge with 3H:1V side slopes across the foundation approximately 15 feet from the edge of the public road to divert runoff from it.
- 4. Install pipe under the entrance if needed to maintain drainage ditches along public roads.
- Place stone to dimensions and grade as shown on plans. Leave surface sloped for drainage.
- 6. Divert all surface runoff and drainage from the entrance to a sediment control device.
- 7. If conditions warrant, place geotextile fabric on the graded foundation to improve stability.

Maintenance for Construction Entrance:

1. Reshape entrance as needed to maintain function and integrity of Installation. Top dress with clean aggregate as needed.



SILT FENCE

CONSTRUCTION ENTRANCE

AND CONCRETE WASHOUT

METRO CHAPTER STANDARD DRAWING

NUMBER ESC-03 ADOPTED: 10/24/2016 STANDARD DRAWING

NUMBER ESC-01 ADOPTED:

10/24/2016

MDM/AJM DATE 0318050.02 SHEET

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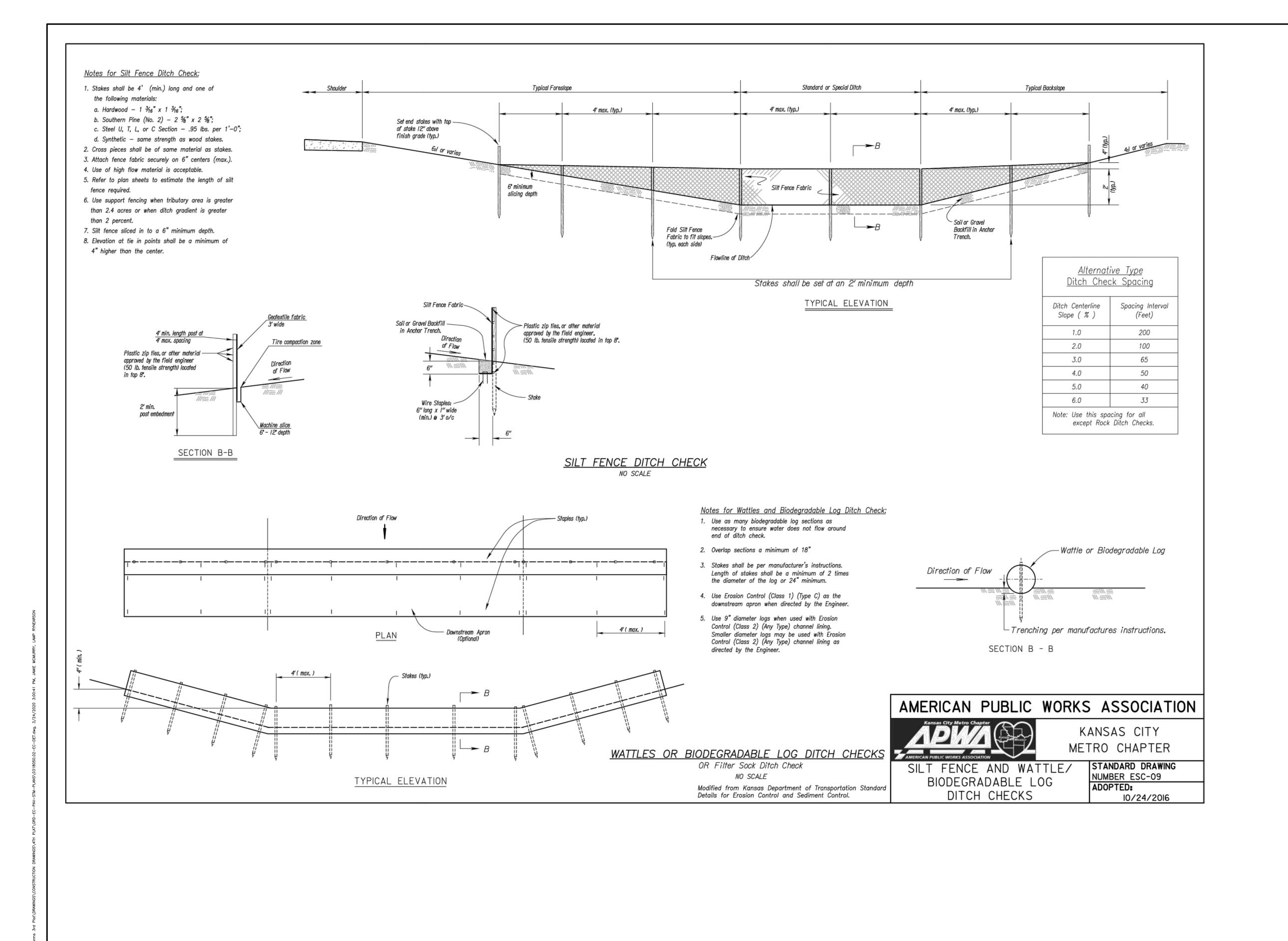
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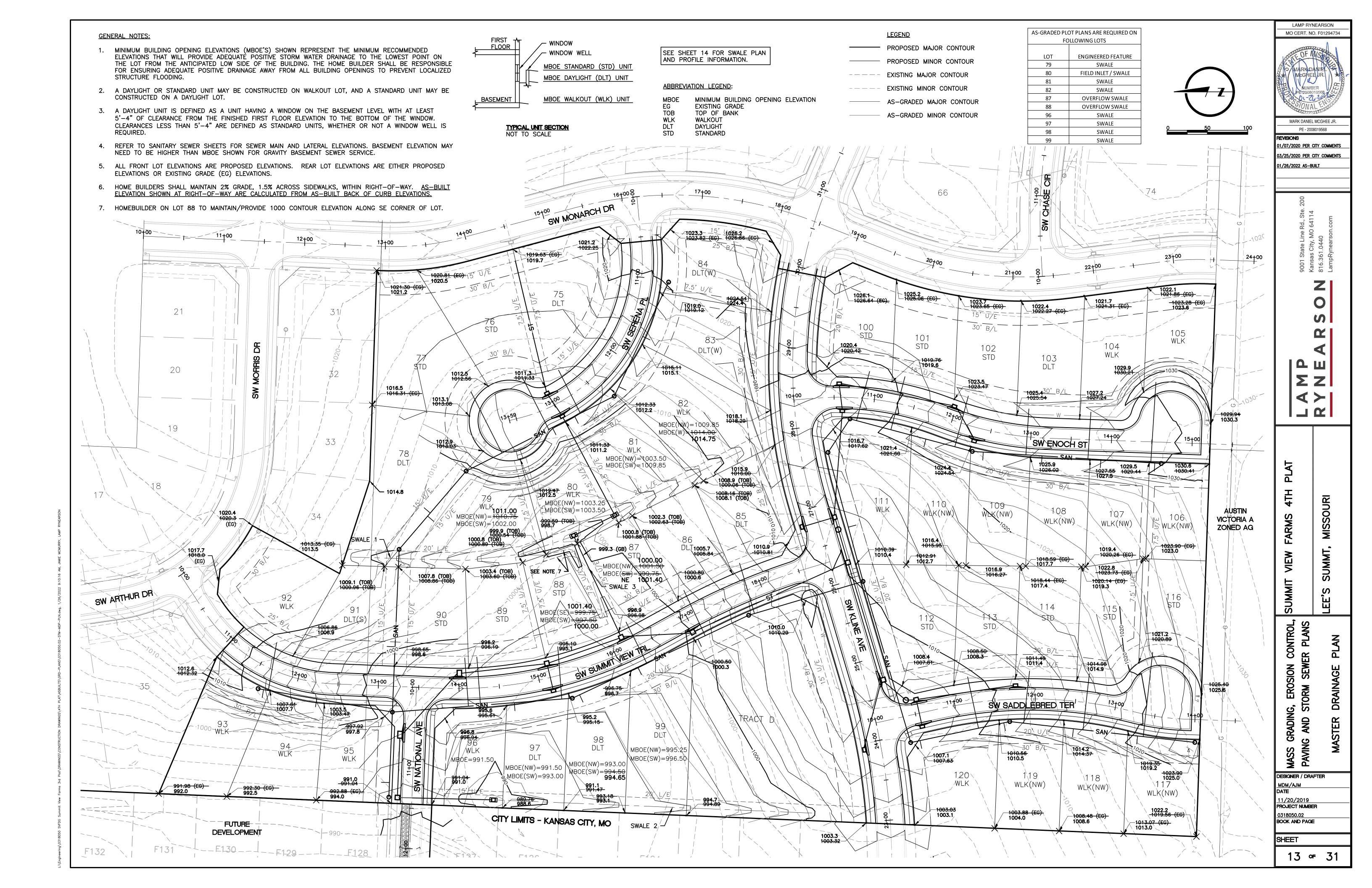
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EROSION AND SEDIMENT
CONTROL DETAILS

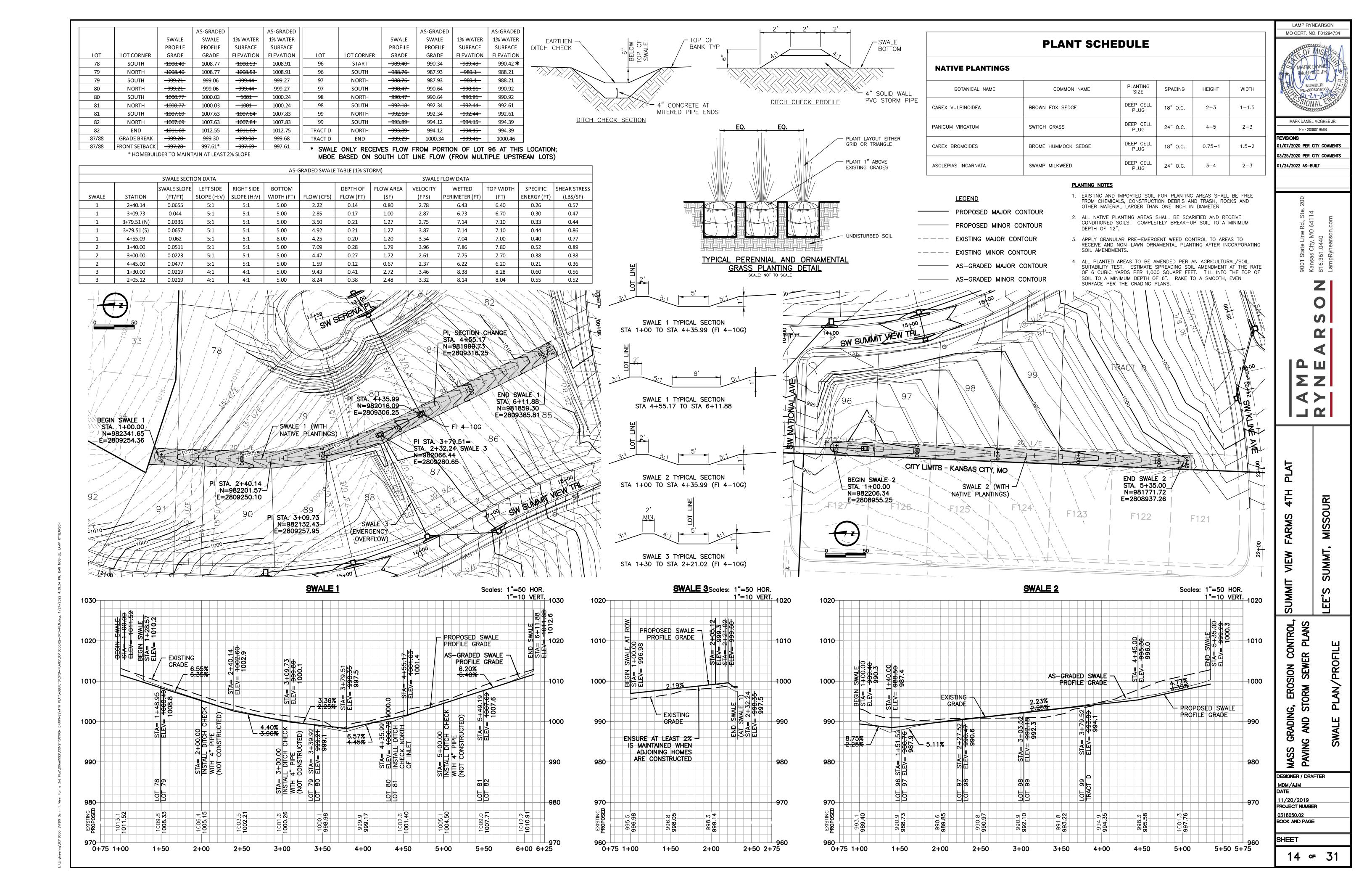
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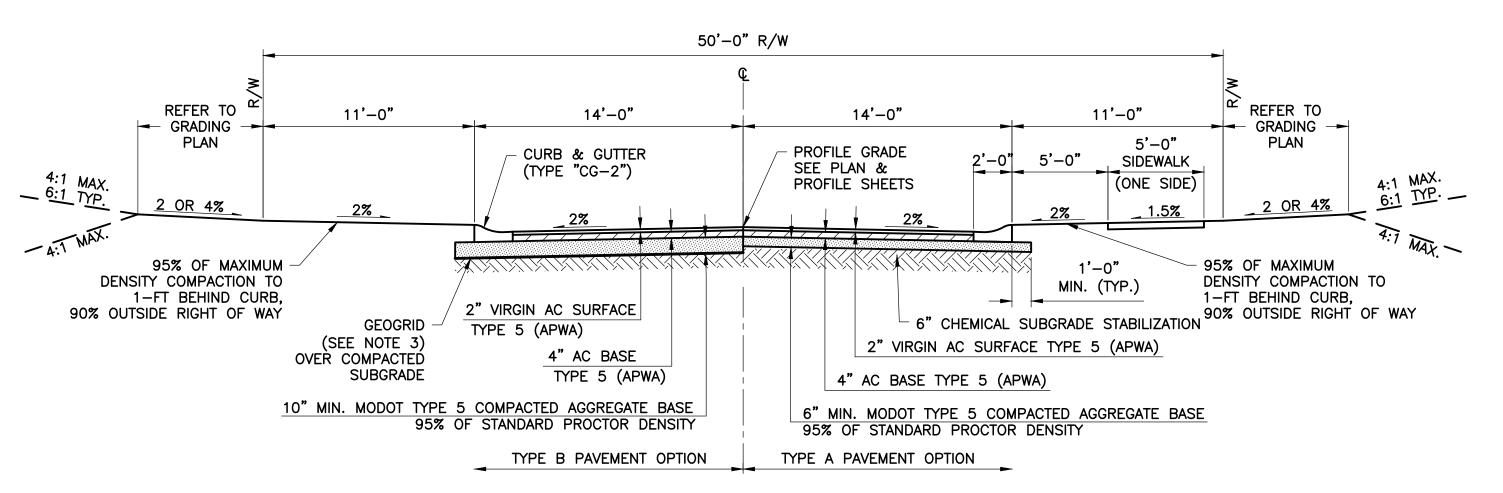
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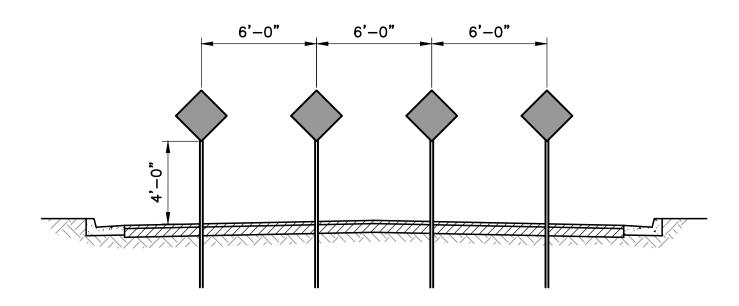




TYPICAL 36' COLLECTOR STREET SECTION NOT TO SCALE



TYPICAL 28' LOCAL/ACCESS STREET SECTION
NOT TO SCALE



TYPE OM4-3 END PAVEMENT MARKERS NOT TO SCALE

- 1. TYPE OM4-3 OBJECT MARKERS (SIZE 18"x18") ARE TO BE INSTALLED AT THE TERMINATION POINTS OF SW NATIONAL AVE. AND SW KLINE AVE.
- 2. SIGN INSTALLATION AND MATERIALS TO CONFORM TO THE CITY OF LEE'S SUMMIT STANDARD DESIGN CRITERIA.

GENERAL NOTES

- 1. REFER TO LEE'S SUMMIT STANDARD DETAIL GEN-4 FOR CURB SECTIONS AND ADDITIONAL NOTES. SEE SHEET 29 OF 31.
- 2. GEOGRID MUST MEET SPECIFICATIONS OF LEE'S SUMMIT SECTION 2200, 2201.6.C.
- 3. MATERIAL DEPTHS PROVIDED ARE CITY'S ABSOLUTE MINIMUM ACCEPTABLE DEPTHS.
- 4. ALL SIDEWALK SHOWN ALONG TRACTS SHALL BE CONSTRUCTED DURING PUBLIC INFRASTRUCTURE CONSTRUCTION.
- 5. ADA ACCESSIBLE RAMPS SHALL BE CONSTRUCTED DURING PUBLIC INFRASTRUCTURE CONSTRUCTION.

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T VIEW FARMS 4TH PLAT

MASS GRADING, EROSION CONTROL PAVING AND STORM SEWER PLANS TYPICAL STREET SECTION AND DETAILS

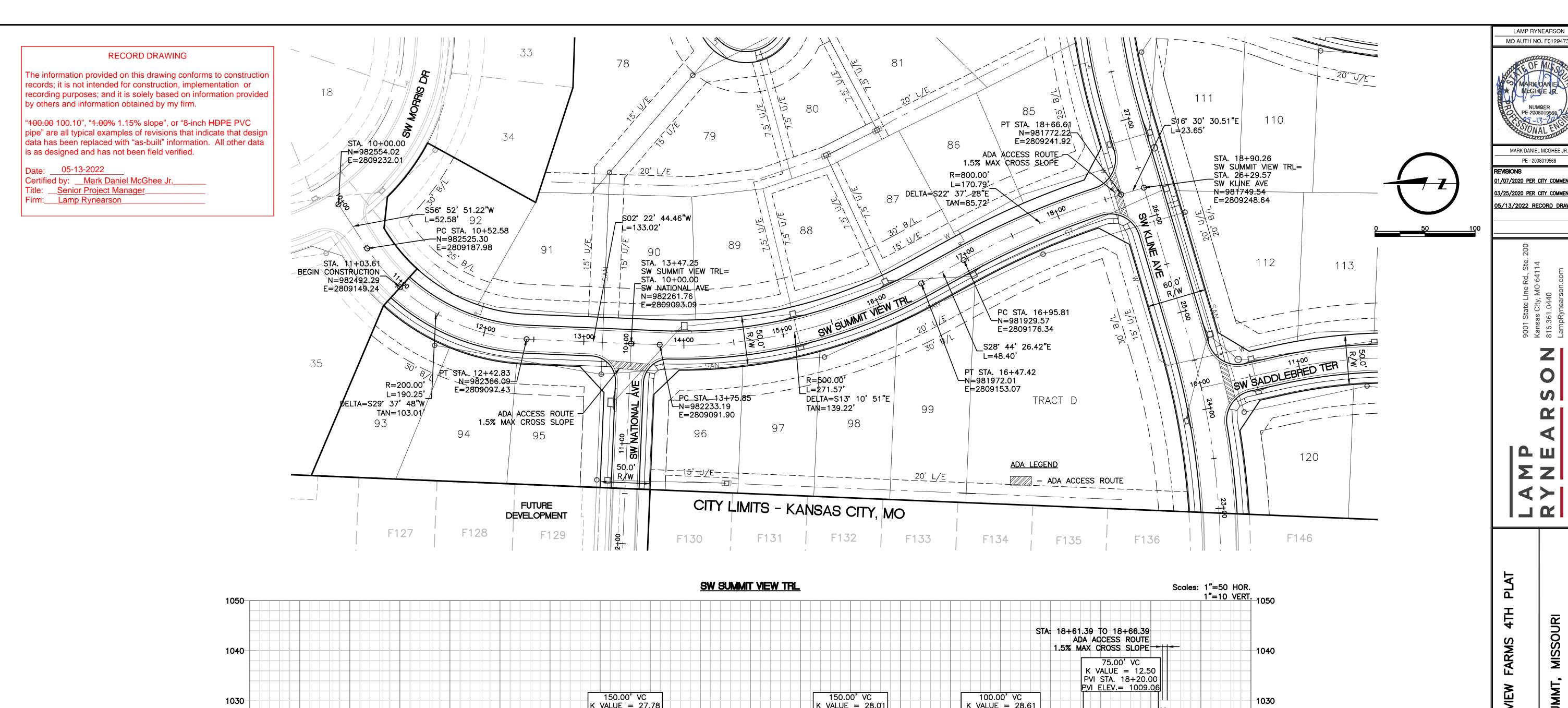
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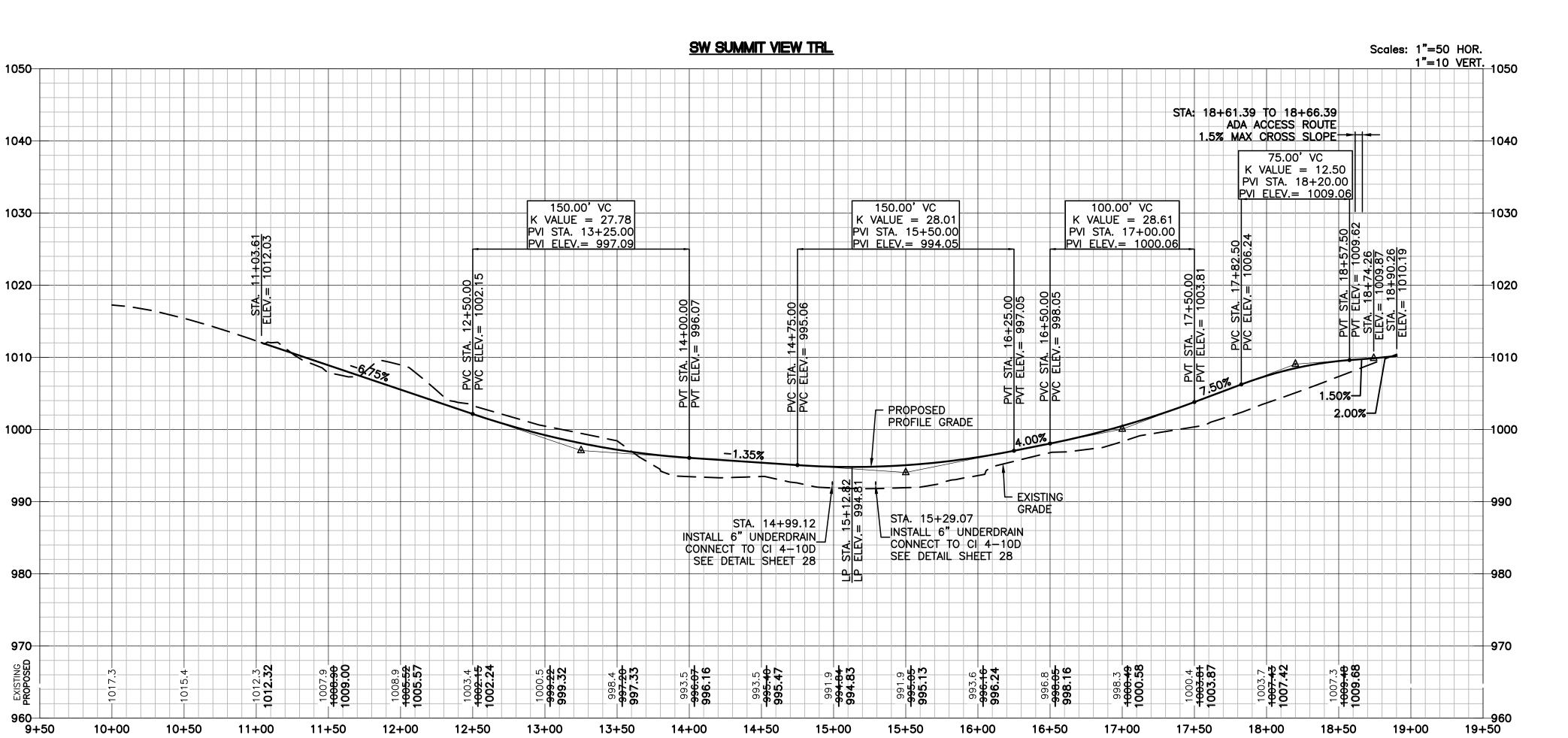
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01/07/2020 PER CITY COMMENTS 03/25/2020 PER CITY COMMENTS 05/13/2022 RECORD DRAWINGS

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AND PAVING

DESIGNER / DRAFTER MDM/AJM

11/20/2019 PROJECT NUMBER 0318050.02 BOOK AND PAGE

SHEET

RECORD DRAWING

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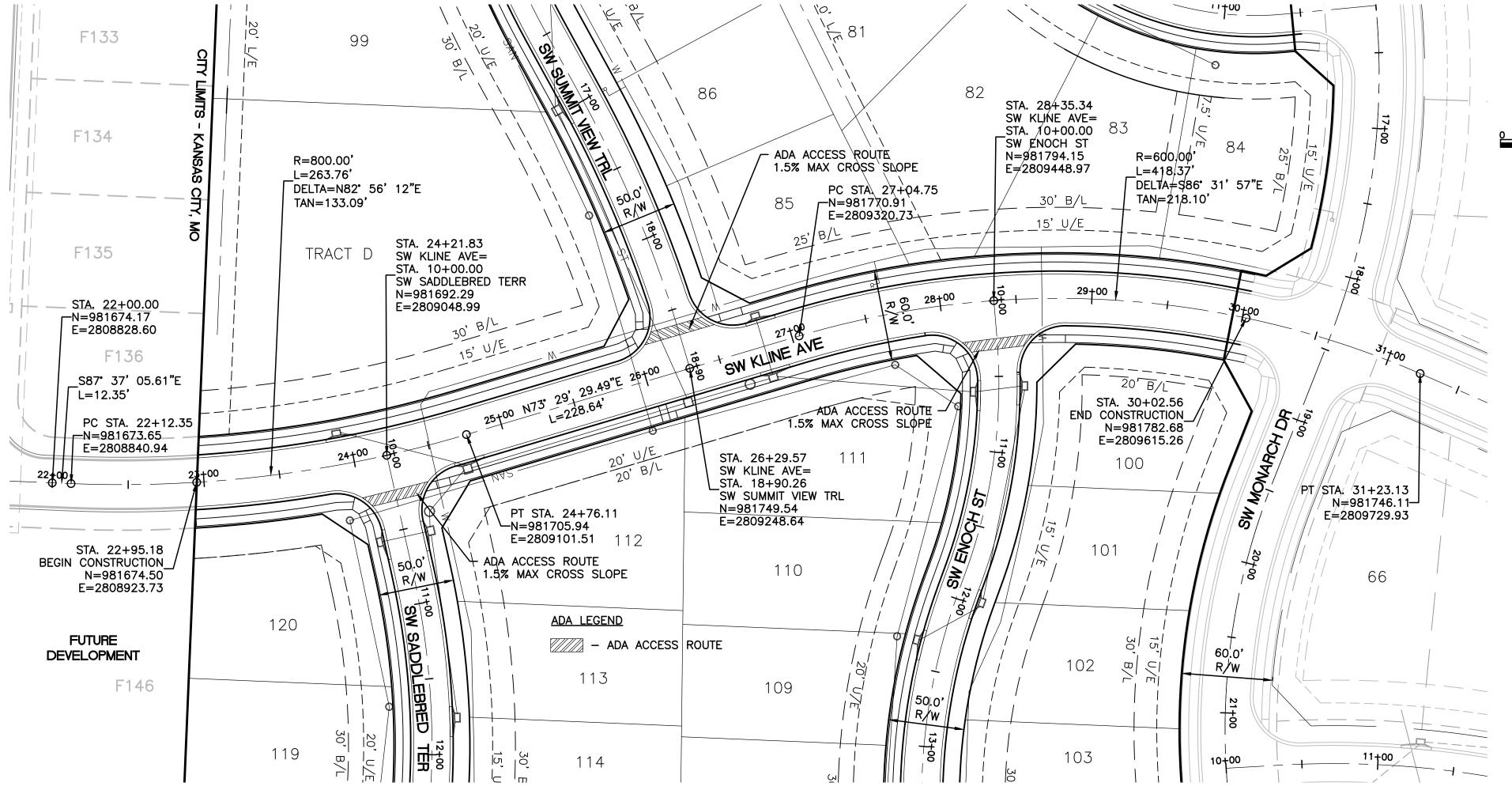
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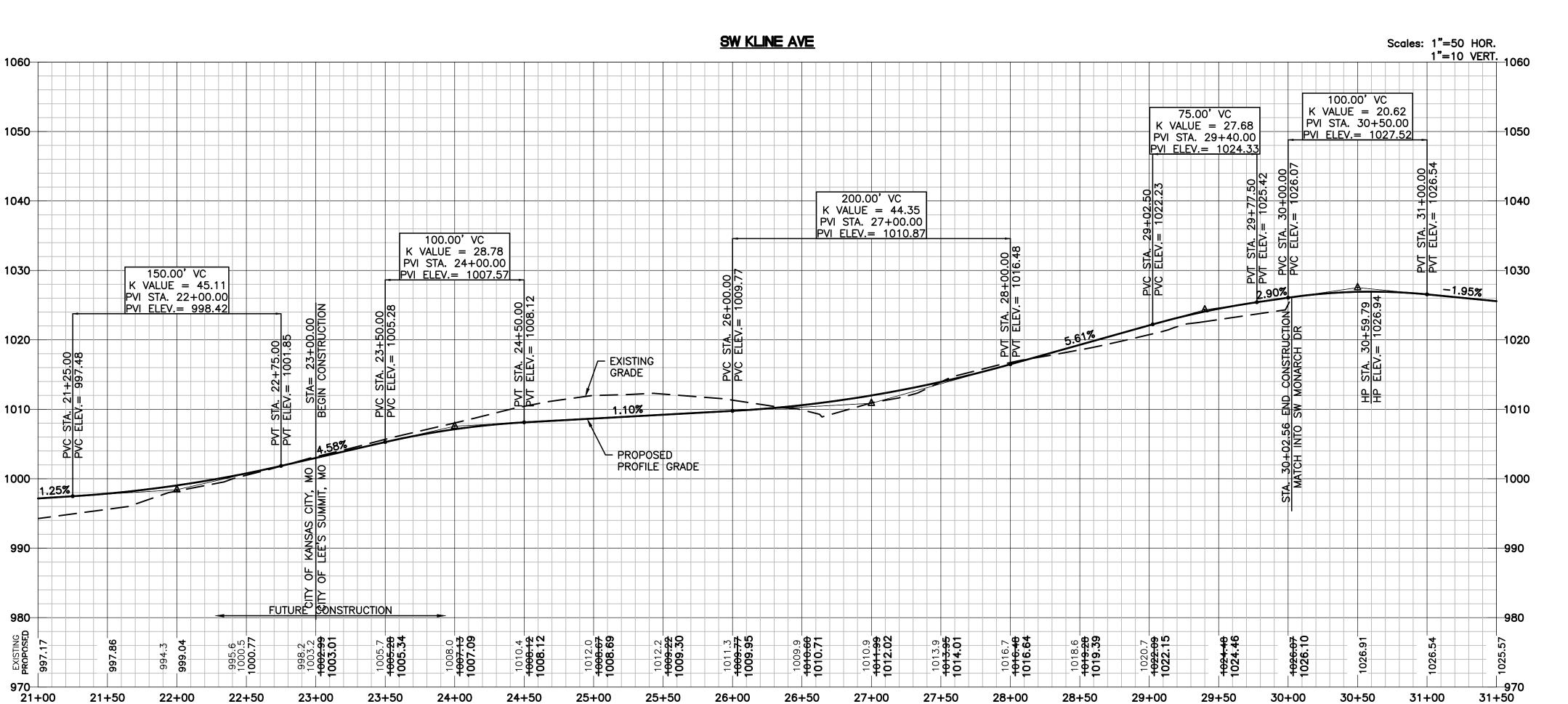
Date: 05-13-2022

Certified by: Mark Daniel McGhee Jr.

Title: Senior Project Manager

Firm: Lamp Rynearson





MO AUTH. NO. F01294734

MARK DANIE

MCGHEE JR.

NUMBER
PE-2008019568

LAMP RYNEARSON

MARK DANIEL MCGHEE JR. PE - 2008019568

REVISIONS

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05/13/2022 RECORD DRAWINGS

/13/2022 RECORD DRAWING

9001 State Line Rd., Ste. 200 Kansas City, MO 64114 816.361.0440 LampRynearson.com

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PAVING AND STROM SEWER PLANS

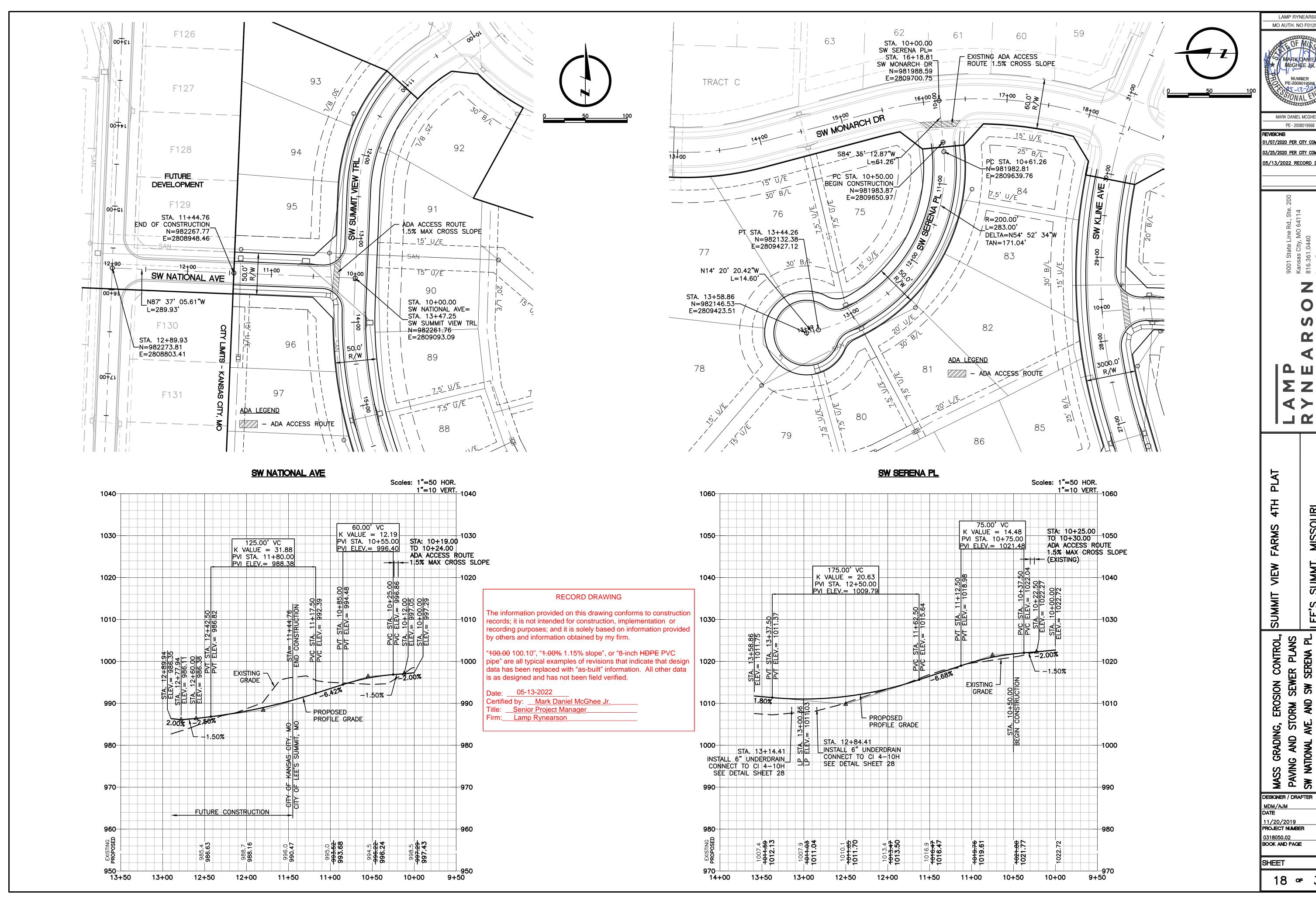
SW KLINE AVE

STREET PLAN/PROFILE

DESIGNER / DRAFTER
MDM/AJM
DATE
11/20/2019
PROJECT NUMBER
0318050.02

BOOK AND PAGE
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HEET 17 **∘** 31



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MARK DANIEL MCGHEE JR. PE - 2008019568

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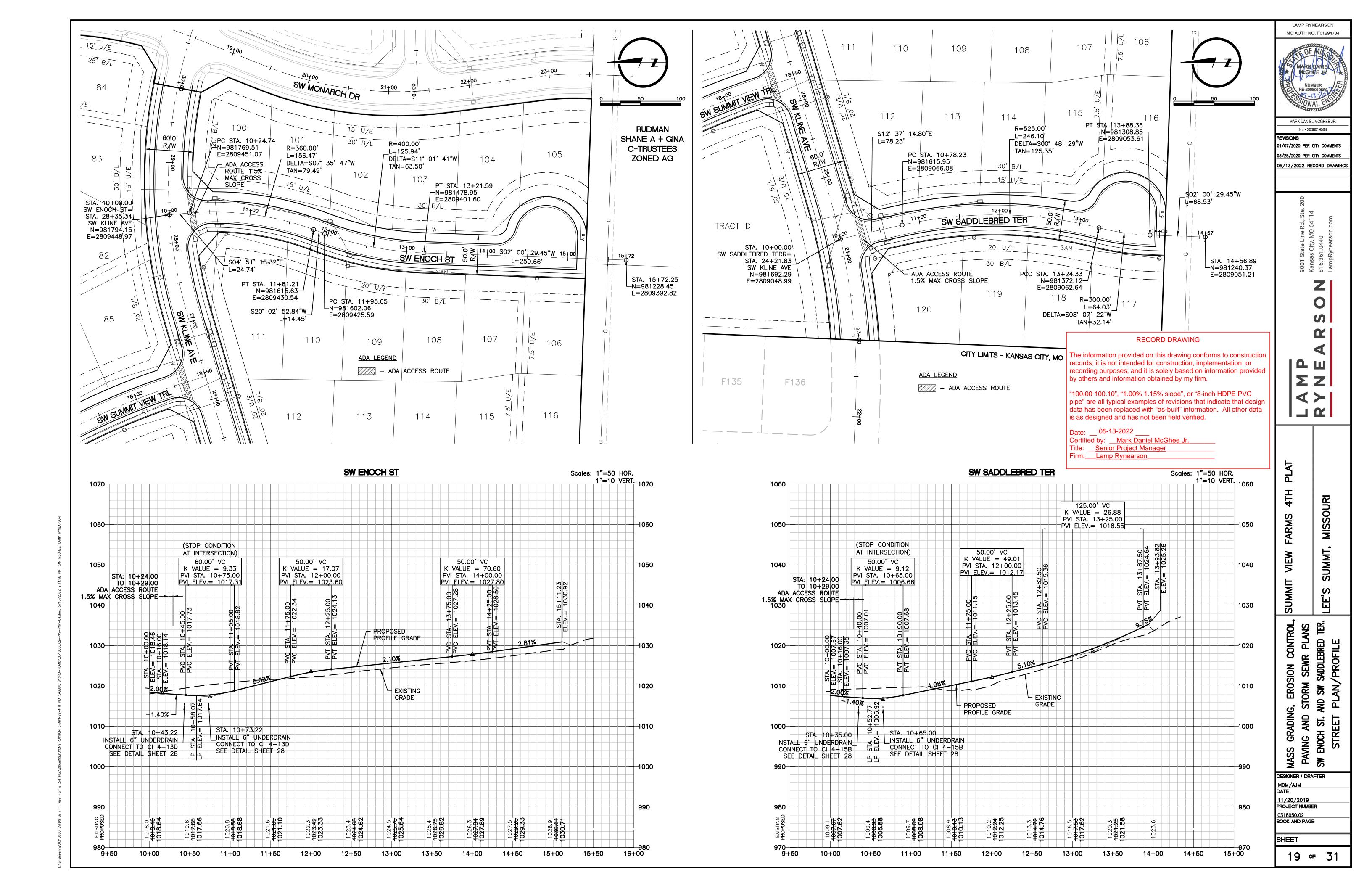
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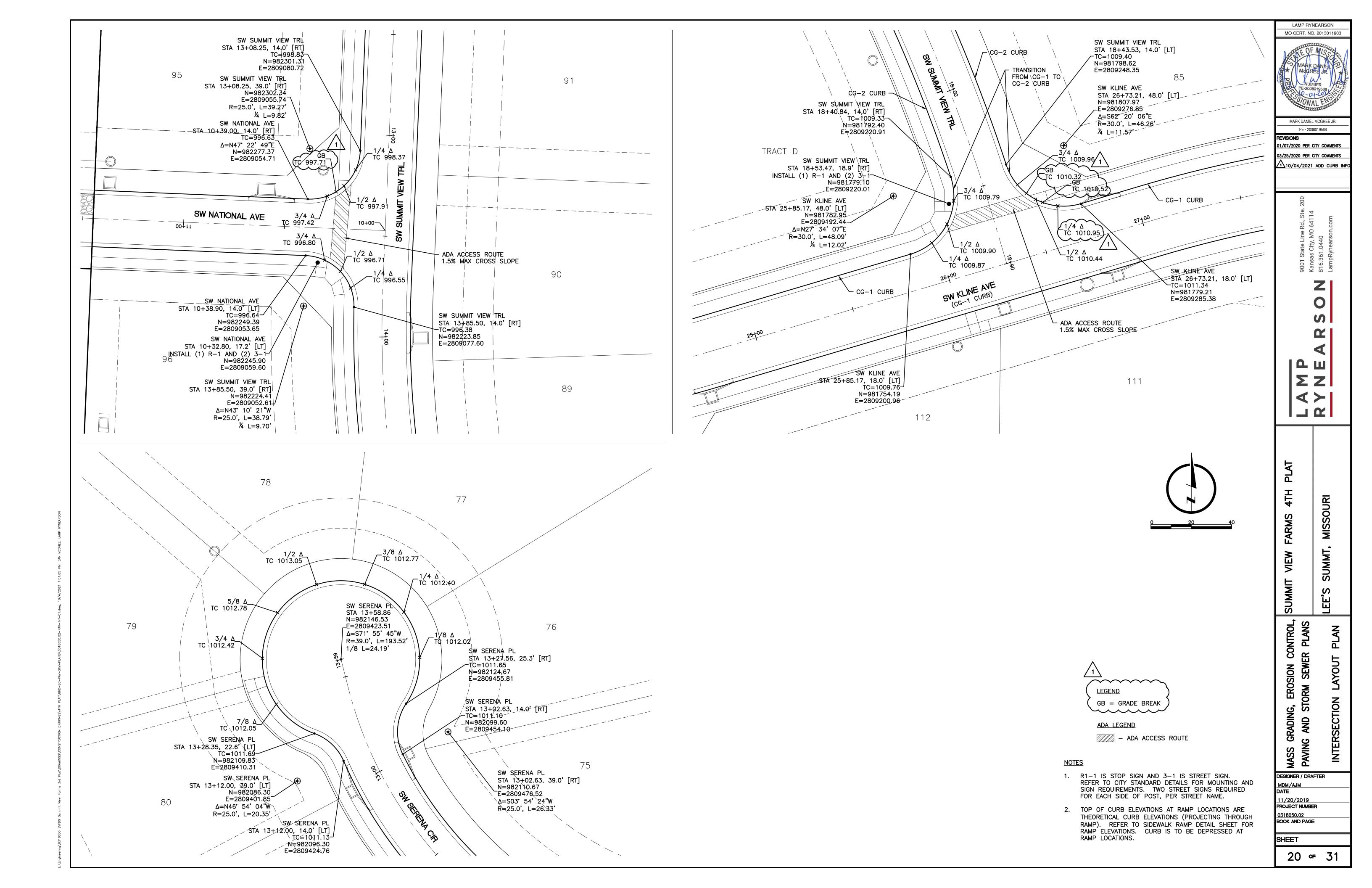
GRADING, EROS PAVING SW NATIO

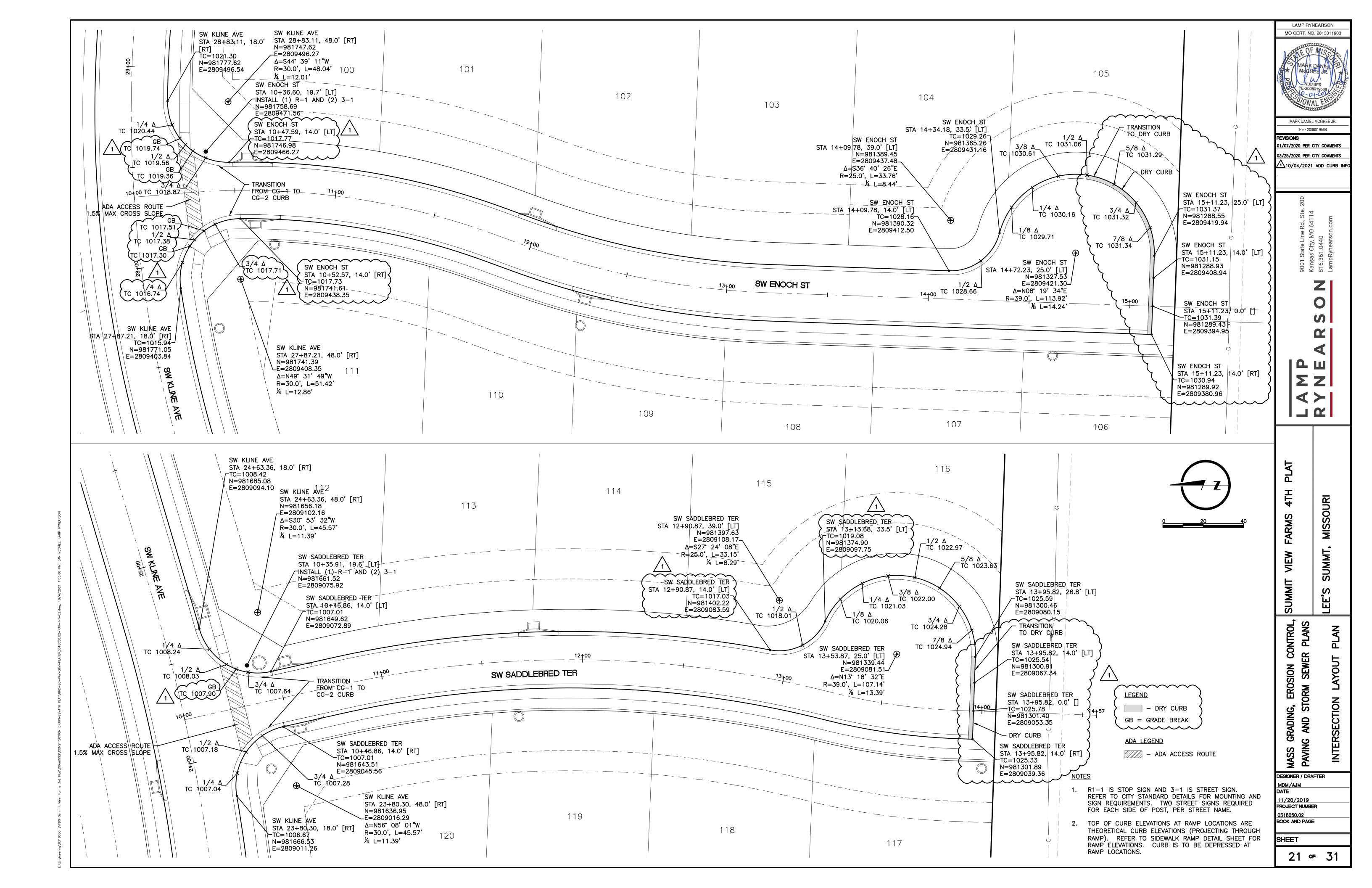
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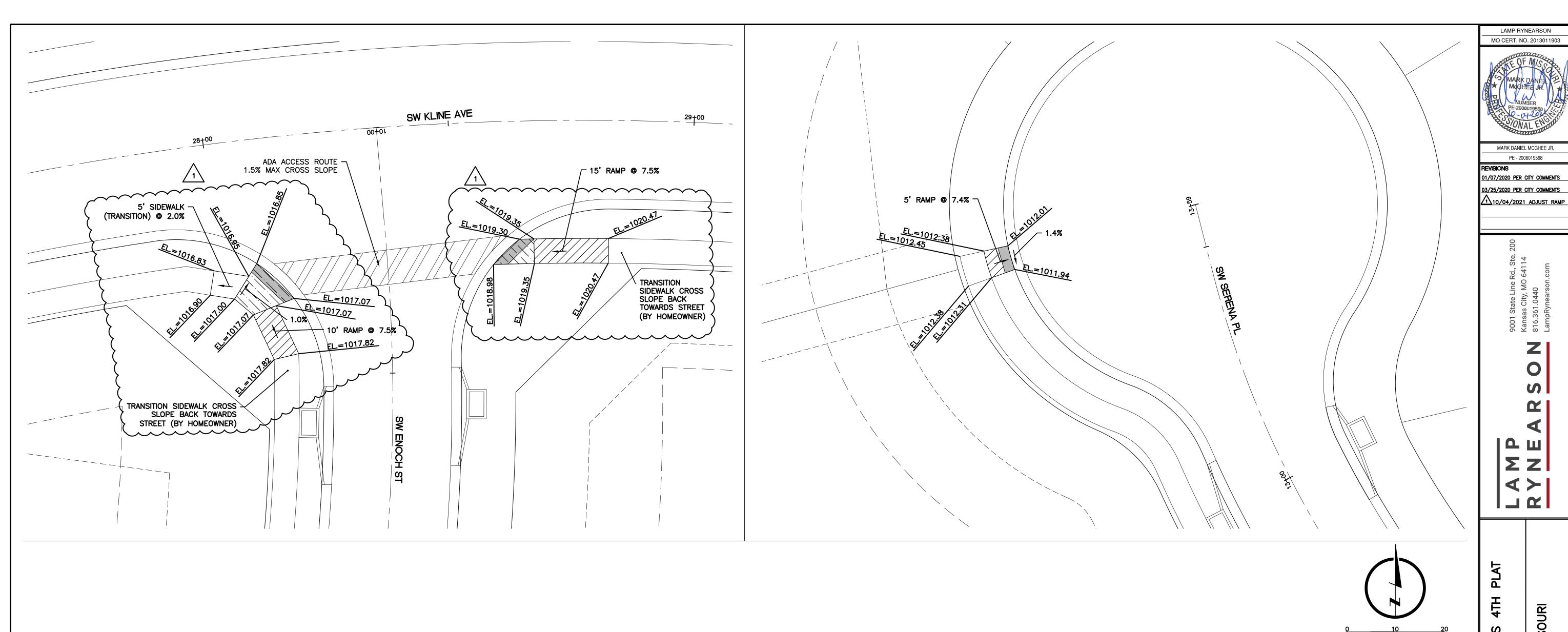
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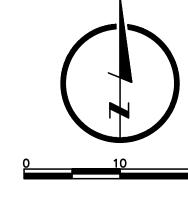












PLAT 4TH 函 **FARMS** MASS GRADING, EROSION CONTROL, PAVING AND STORM SEWER PLANS

LAMP RYNEARSON

MARK DANIEL MCGHEE JR. PE - 2008019568

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SHEET 23 ∘ 31

DESIGNER / DRAFTER

11/20/2019 PROJECT NUMBER

0318050.02 BOOK AND PAGE



MO CERT. NO. 2013011903 MARK DANIEL MCGHEE JR.

LAMP RYNEARSON

MARK DANIEL MCGHEE JR. PE - 2008019568

01/07/2020 PER CITY COMMENTS 03/25/2020 PER CITY COMMENTS 10/02/2020 ADDED HDS UNITS

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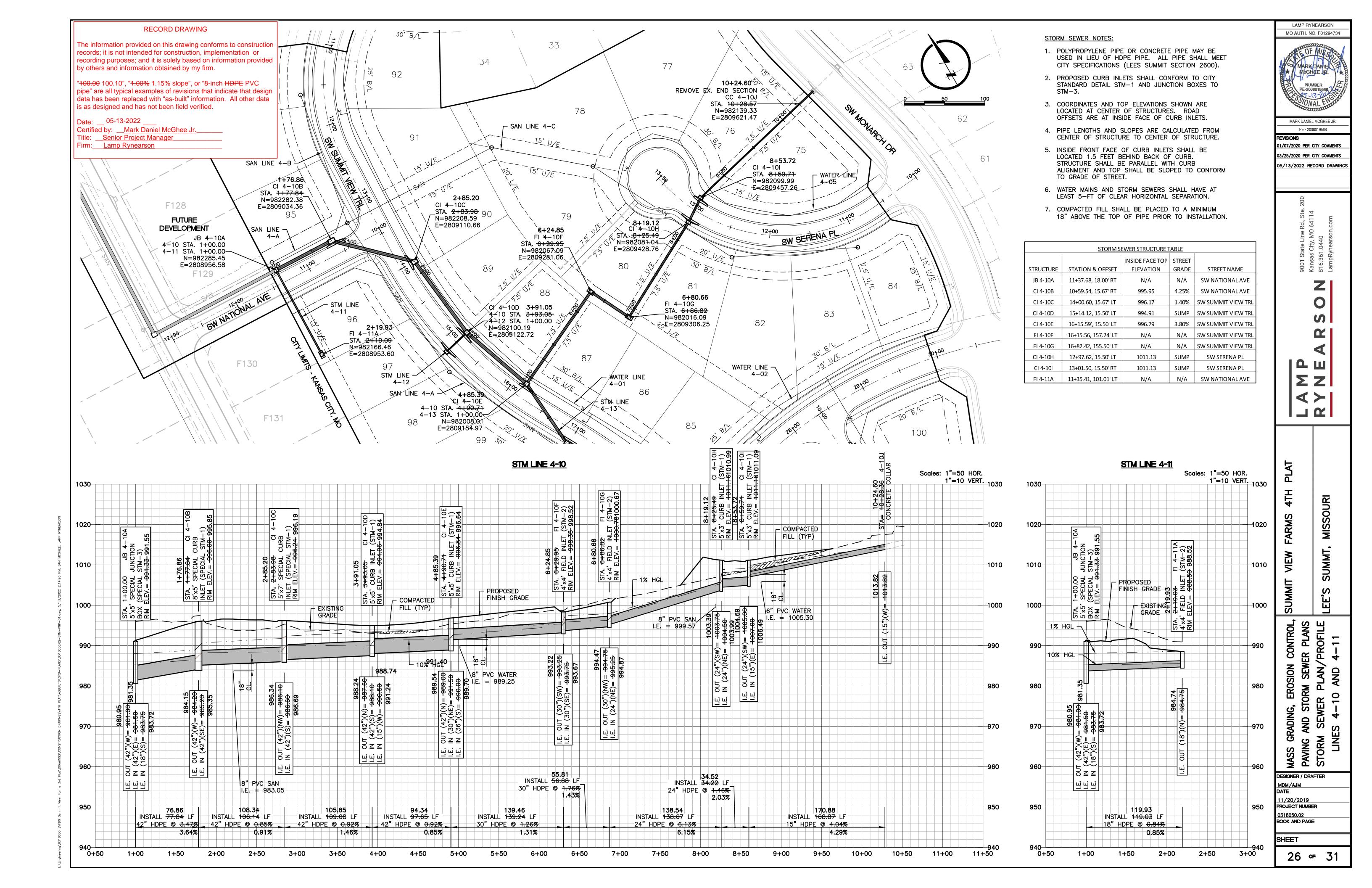
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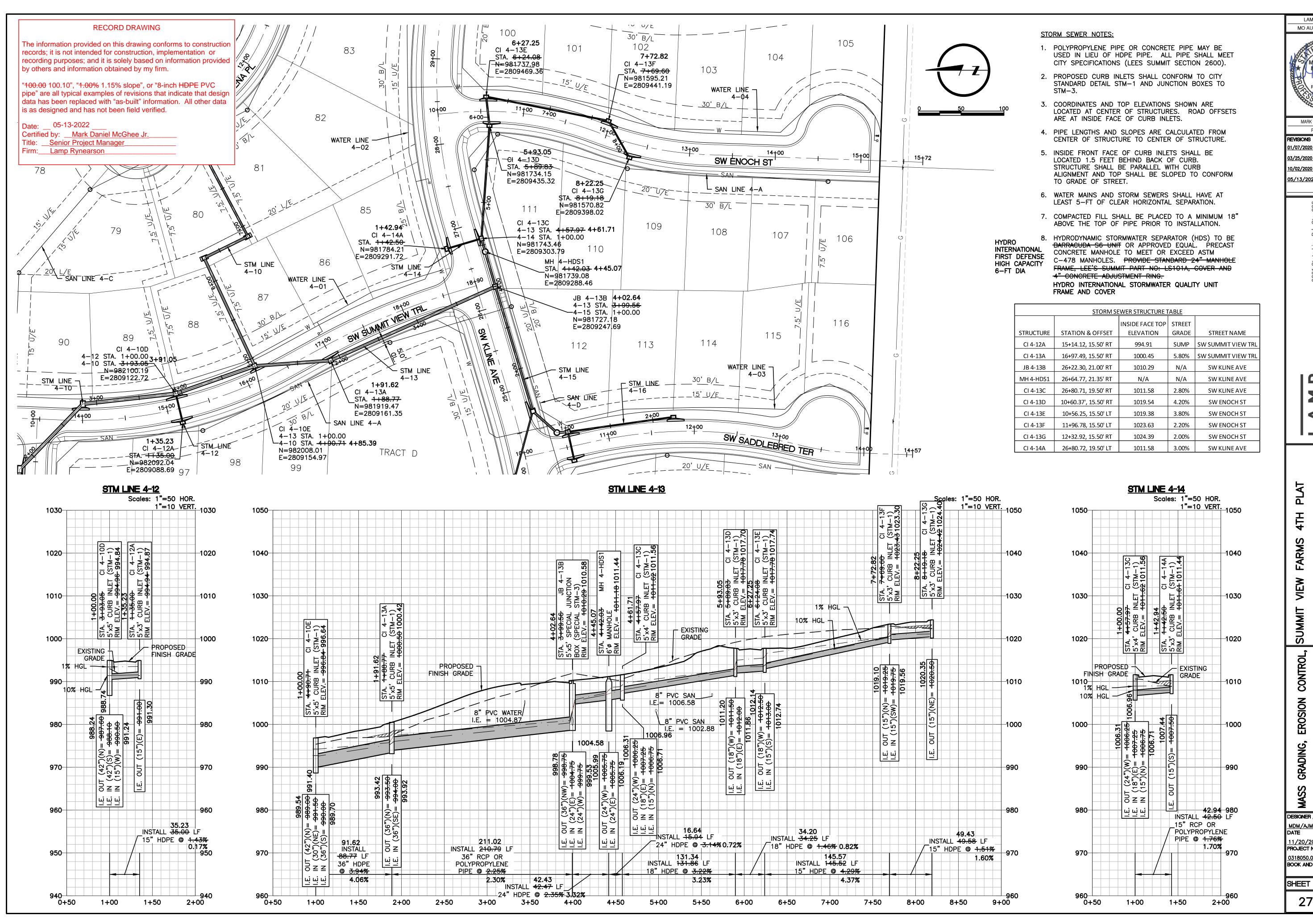
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MASS GRADING, EROSION CONTROL, PAVING AND STORM SEWER PLANS DESIGNER / DRAFTER

MDM/AJM DATE 11/20/2019 PROJECT NUMBER

0318050.02 BOOK AND PAGE SHEET





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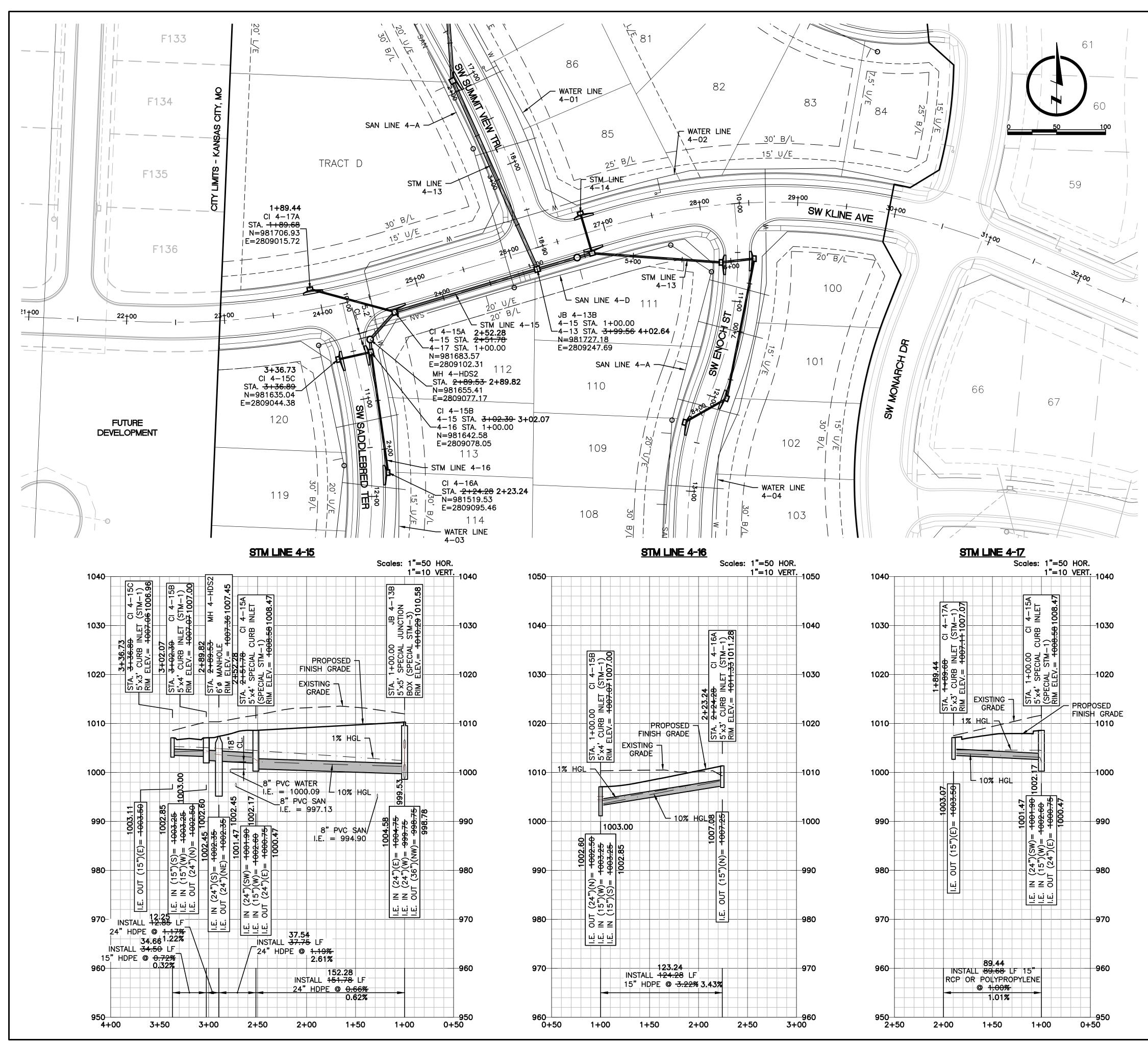
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EROSION CONTROL, STORM SEWER PLANS
ER PLAN/PROFILE
4-13 AND 4-14 GRADING, EROS AND STOR SEWER 4-12, 4-PAVING A STORM LINES 4-

DESIGNER / DRAFTER MDM/AJM 11/20/2019 PROJECT NUMBER

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SHEET 27 ∘ 31



STORM SEWER NOTES:

- POLYPROPYLENE PIPE OR CONCRETE PIPE MAY BE USED IN LIEU OF HDPE PIPE. ALL PIPE SHALL MEET CITY SPECIFICATIONS (LEES SUMMIT SECTION 2600).
- 2. PROPOSED CURB INLETS SHALL CONFORM TO CITY STANDARD DETAIL STM-1 AND JUNCTION BOXES TO STM-3.
- 3. COORDINATES AND TOP ELEVATIONS SHOWN ARE LOCATED AT CENTER OF STRUCTURES. ROAD OFFSETS ARE AT INSIDE FACE OF CURB INLETS.
- 4. PIPE LENGTHS AND SLOPES ARE CALCULATED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
- 5. INSIDE FRONT FACE OF CURB INLETS SHALL BE LOCATED 1.5 FEET BEHIND BACK OF CURB. STRUCTURE SHALL BE PARALLEL WITH CURB ALIGNMENT AND TOP SHALL BE SLOPED TO CONFORM TO GRADE OF STREET.
- 6. WATER MAINS AND STORM SEWERS SHALL HAVE AT LEAST 5-FT OF CLEAR HORIZONTAL SEPARATION.
- 7. COMPACTED FILL SHALL BE PLACED TO A MINIMUM 18" ABOVE THE TOP OF PIPE PRIOR TO INSTALLATION.

HYDRO
INTERNATIONAL
FIRST DEFENSE
HIGH CAPACITY
6-FT DIA

HYDRODYNAMIC STORMWATER SEPARATOR (HDS) TO BE BARRACUDA S6 UNIT OR APPROVED EQUAL. PRECAST CONCRETE MANHOLE TO MEET OR EXCEED ASTM C-478 MANHOLES. PROVIDE STANDARD 24" MANHOLE FRAME, LEE'S SUMMIT PART NO: LS101A, COVER AND 4" CONCRETE ADJUSTMENT RING.
HYDRO INTERNATIONAL STORMWATER QUALITY UNIT FRAME AND COVER

	STORM SEWER STRUCTURE TABLE							
		INSIDE FACE TOP	STREET					
STRUCTURE	STATION & OFFSET	ELEVATION	GRADE	STREET NAME				
CI 4-15A	24+70.68, 19.50' RT	1008.53	1.10%	SW KLINE AVE				
MH 4-HDS2	10+42.15, 19.45' LT	N/A	N/A	SW SADDLEBRED TER				
CI 4-15B	10+54.86, 15.67' LT	1007.03	SUMP	SW SADDLEBRED TER				
CI 4-15C	10+54.86, 15.50' RT	1007.03	SUMP	SW SADDLEBRED TER				
CI 4-16A	11+76.16', 15.50' LT	1011.30	4.00%	SW SADDLEBRED TER				
CI 4-17A	23+91.77, 19.50' LT	1007.08	3.20%	SW KLINE AVE				

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3/2022 RECORD DRAWINGS

9001 State Line Rd., Ste. 2 Kansas City, MO 64114 816.361.0440 LampRynearson.com

LAMP RYNEARSO

SUMMT, MISSOURI

VIEW

MASS GRADING, EROSION CONTROL, S
PAVING AND STORM SEWER PLANS
STORM SEWER PLAN/PROFILES
LINES 4-15, 4-16 AND 4-17

DESIGNER / DRAFTER
MDM/AJM
DATE

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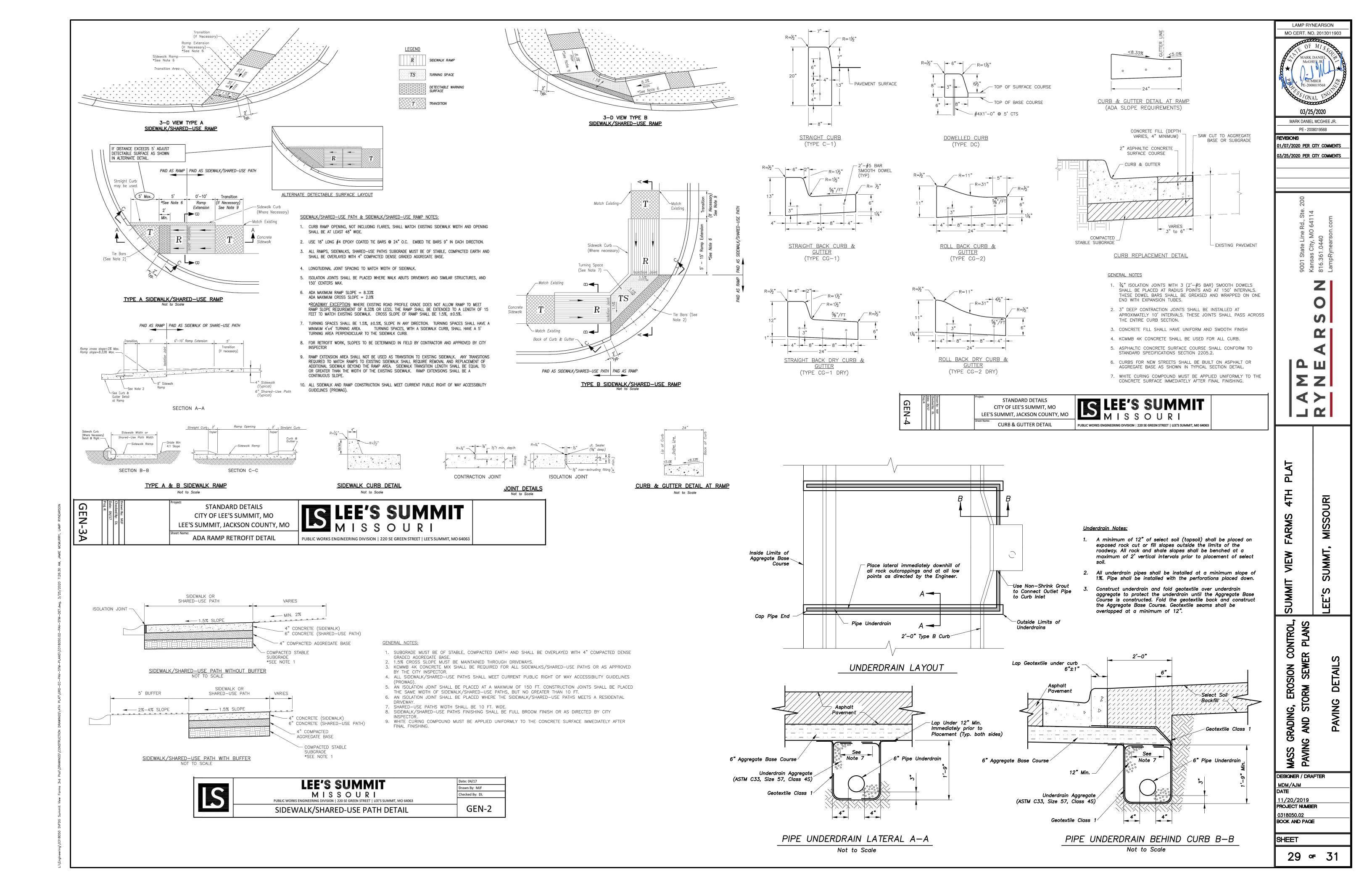
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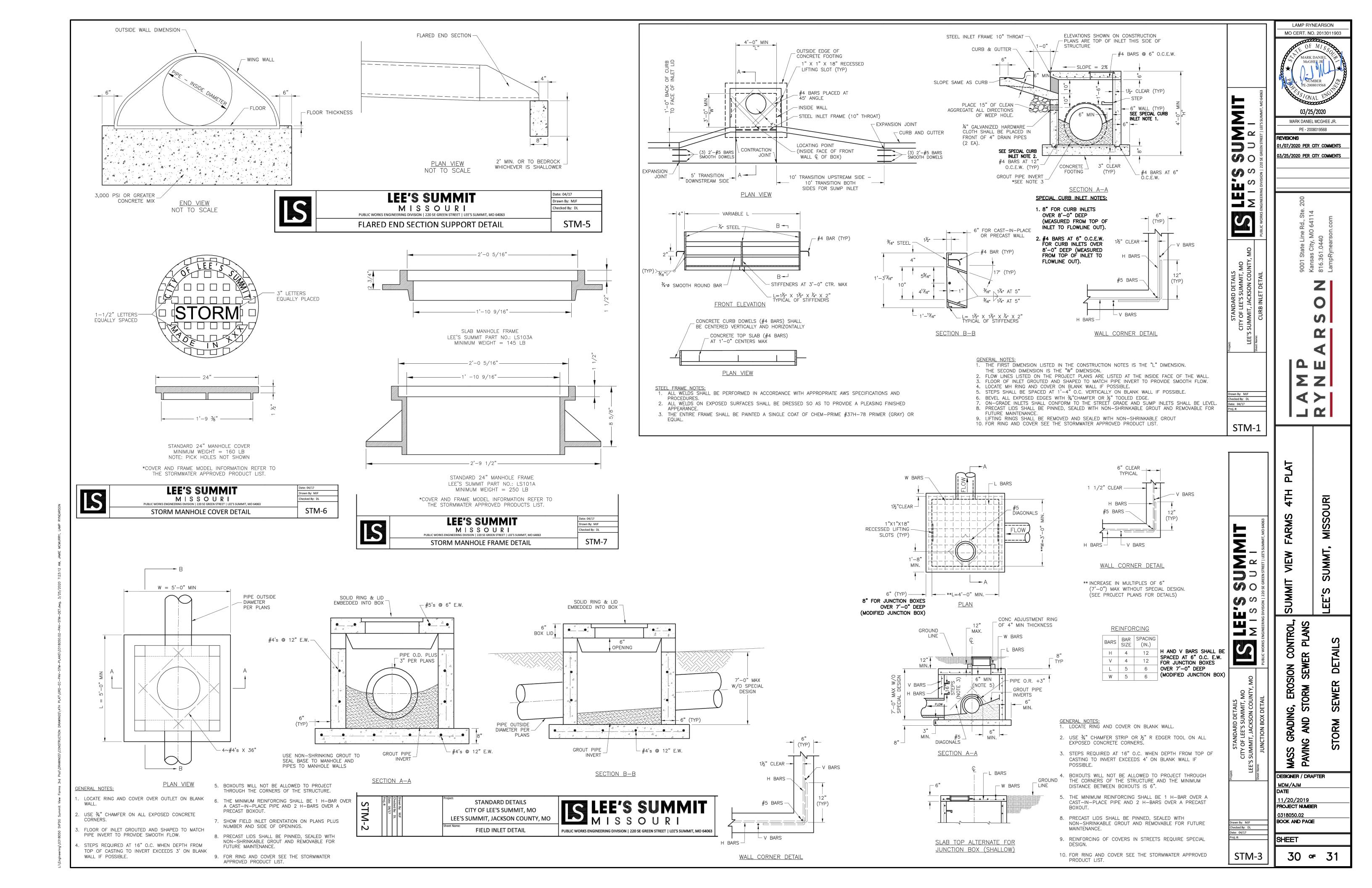
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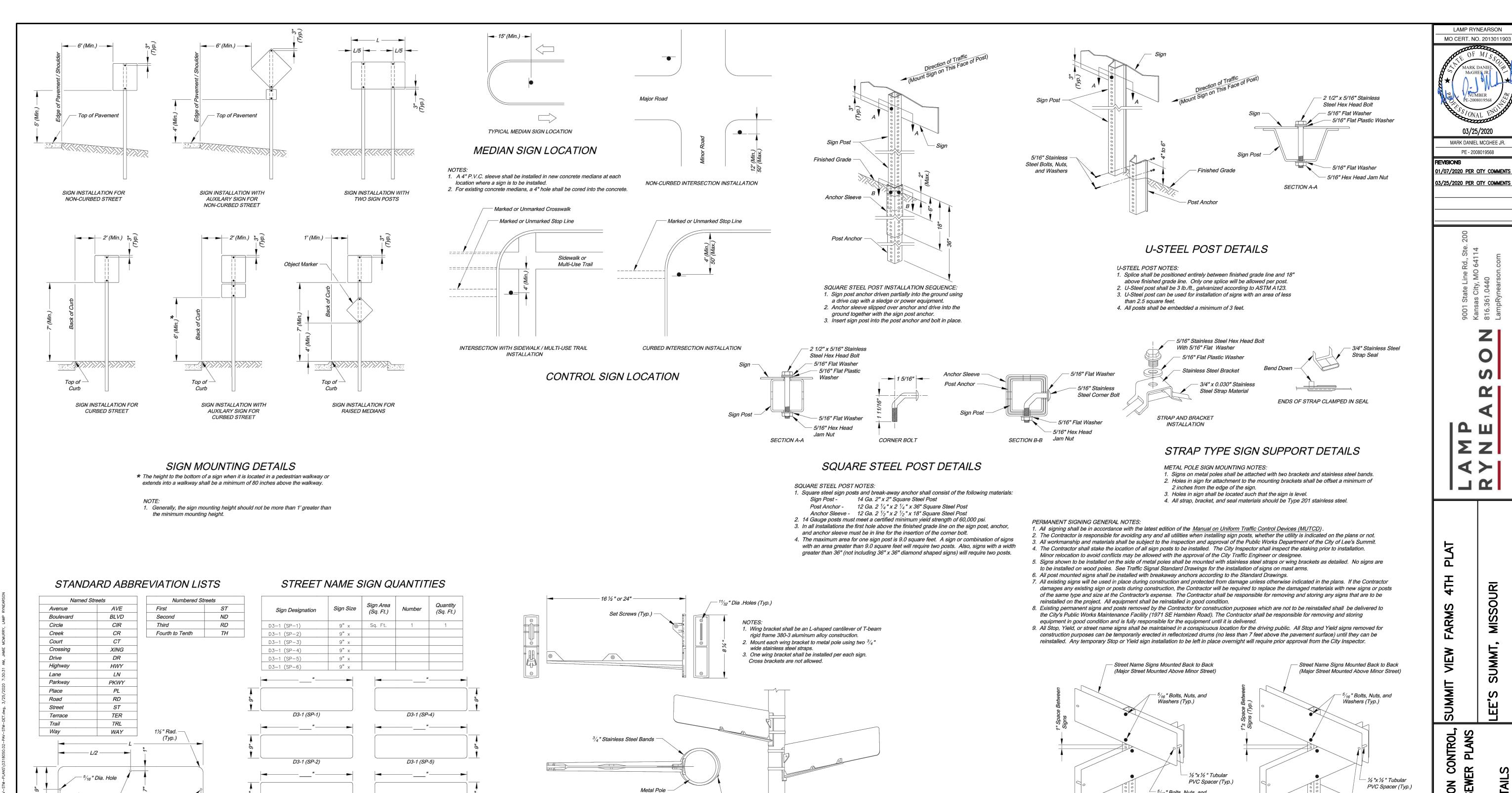
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SHEET







⁵/₁₆ " Bolts, Nuts, and 5/16 " Bolts, Nuts, and Washers (Typ.) Lowest Street Name Sign -Face Mounted Perpendicular to Other Sign Face SIGNS INSTALLED SEPARATELY – 2 1/2" x 5/16" Stainless Steel Hex Head Bolt - 5/16" Flat Washer – 5/16" Flat Plastic Washer Sign Post -SIGNS INSTALLED WITH OTHER SIGNS – 5/16" Flat Plastic Washer

AND DESIGNER / DRAFTER MDM/AJM 11/20/2019 - 5/16" Flat Washer PROJECT NUMBER - 5/16" Hex Head Jam Nut 0318050.02 PLAN VIEW BOOK AND PAGE SQUARE STEEL POST MOUNTING DETAILS SHEET 31 ∘ 31

1/2 " STREET NAME SIGN BLANK DETAILS ___ 1½" Rad. * Use Highway Series B (All Caps) in lieu of series C if necesary to fit text on a 36" sign blank.

For Mounting on Square Steel Posts

30", 36", 42", or 48" -

NAMED STREET NAME SIGN DETAIL

D3-1 (SP-3)

3" Highway Series C

(All Caps) (Typ.)

PROJECT SIGN DETAILS

D3-1 (SP-6)

ARROW DETAIL

. .

– 1½ " Rad.

NUMBERED STREET NAME SIGN DETAIL

(Typ.)

STREET NAME SIGN FACE DETAILS

- 3" Highway Series C

(All Caps) (Typ.)

be green.

3" Highway Series B -

PRIVATE STREET TAG DETAIL

1. For all street name signs, the legend shall be white and the background shall

2. Arrows shall be added to street name signs where the name of a street changes

at an intersection. Street name signs with arrows are to be installed on each

side of the intersection to indicate the change in names. Arrows shall be white.

3. The "PRIVATE STREET" tag should be added to the end of street name signs to

The background for the "PRIVATE STREET" tag shall be yellow.

indicate where a street that is outside the right-of-way intersects a public street.

(All Caps; Black Text)

Steel Strap Seal

WING BRACKET MOUNTING DETAILS

PE - 2008019568