EXISTING JUNCTION BOX **EXISTING STORM MANHOLE** 

LEGEND:

PFIZER WAY NW1/4

**SECTION 18-47N-31W** 

**LOCATION MAP** 

SCALE 1" = 2000'

MISSOURI DEPARTMENT OF

TRANSPORTATION (MODOT)

MISSOURI GAS ENERGY (MGE)

KANSAS CITY POWER & LIGHT

CITY OF LEES SUMMIT PUBLIC WORKS

UTILITY CONTACTS:

Steve Holloway

(816) 607-2186

Brent Jones

(816) 399-9633

Ron Dejarnette

Dena Mezger

(816) 969-1800

Barbara Brown

(816) 795-2255

Mark Schaufler

(816) 969-1900

220 SE Green Street

Lee's Summit, MO 64063

600 NE Colbern Road Lee's Summit, MO 64086

3025 SE Clover Drive Lee's Summit, MO 64082

brent.jones@spireenergy.com

COMPANY (KCP&L)

1300 SE Hamblin Road

Lee's Summit, MO 64081

Office: (816) 347-4316

ron.dejarnette@kcpl.com

Cell: (816) 810-5234

220 SE Green Street

Lee's Summit, MO 64063

Mark Manion or Marty Loper

500 E. 8th Street, Room 370

(816) 275-2341 or (816) 275-1550

PUBLIC WATER SUPPLY DISTRICT

Kansas City, MO 64106

**COMCAST CABLE** 

3400 W. Duncan Road

Blue Springs, MO 64015

IN THE CITY OF LEE'S SUMMIT JACKSON COUNTY, MISSOURI

SANITARY SEWER MAIN EXTENSION

**WOODLAND GLEN 2ND PLAT** 

GENERAL NOTES:

ALL CONSTRUCTION TO FOLLOW THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL AS

ALL WORKMANSHIP AND MATERIALS SHALL BE SUBJECT TO THE INSPECTION AND APPROVAL OF THE ENGINEERING DEPARTMENT OF THE CITY OF LEE'S SUMMIT. MISSOURI.

THE UTILITY LOCATIONS SHOWN ON THESE PLANS ARE TAKEN FROM UTILITY COMPANY RECORDS AND

CLEARING AND GRUBBING OPERATIONS AND DISPOSAL OF ALL DEBRIS THEREFROM SHALL BE PERFORMED

BY THE CONTRACTOR IN STRICT ACCORDANCE WITH ALL LOCAL CODES AND ORDINANCES.

ALL WASTE MATERIAL RESULTING FROM THE PROJECT SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR, OR AS DIRECTED BY THE OWNER.

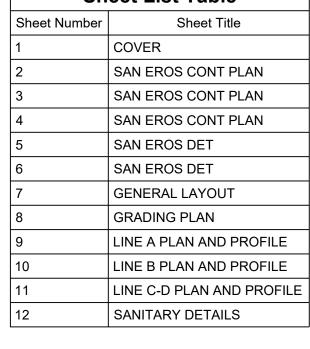
ALL EXCAVATIONS SHALL BE UNCLASSIFIED. NO SEPARATE PAYMENT WILL BE MADE FOR ROCK

THE CONTRACTOR SHALL CONTROL THE EROSION AND SILTATION DURING ALL PHASED OF CONSTRUCTION

AND SHALL KEEP THE STREETS CLEAN OF MUD AND DEBRIS ALL MANHOLES, CATCH BASINS, UTILITY VALVES AND METER PITS TO BE ADJUSTED OR REBUILT TO GRADE

OBTAIN A DEVELOPMENT SERVICES CONSTRUCTION PERMIT. A MINIMUM 48 HOUR NOTICE SHALL BE GIVEN

ENSURE THAT THE GENERAL PUBLIC IS PROTECTED AT ALL TIMES. TRAFFIC CONTROL SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD-LATEST EDITION).



Sheet List Table

SION

COVER

SHEET

**VICINITY MAP** N.T.S.

	SUMMARY OF QUANTITIES		
	ITEM	QUANTITY	UNITS
1	CONNECT TO EXISTING MANHOLE	2	EA
2	CONNECT TO EXISTING MAIN	1	EA
3	STANDARD 4' DIA. MANHOLE	13	EA
4	8" PVC SDR-26	2160	LF
5	6" PVC SDR-26	1615	LF
6	8" X 6" WYE CONNECTION	48	EA
7	EXTRA DEPTH IN MANHOLE	131	VF
8	CLEANOUT	1	EA
9	EROSION CONTROL	1	LS
10	BONDS	1	LS
11	ROCK EXCAVATION (ESTIMATION)	500	CY
12	CLEAR AND GRUB	1	LS
13	COMPACTION TESTING	1	LS
14	PREBLAST SURVEY (IF REQUIRED)	1	LS

# UTILITIES:

- EXISTING UTILITIES HAVE BEEN SHOWN TO THE GREATEST EXTENT POSSIBLE BASED UPON INFORMATION PROVIDED TO THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE RESPECTIVE UTILITY COMPANIES AND FIELD LOCATING UTILITIES PRIOR TO CONSTRUCTION AND IDENTIFYING ANY POTENTIAL CONFLICTS. ALL CONFLICTS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ANY REQUIRED UTILITY RELOCATIONS. UTILITIES DAMAGED THROUGH THE NEGLIGENCE OF THE CONTRACTOR SHALL BE REPAIRED AT THE
- CONTRACTOR SHALL VERIFY FLOW-LINES AND STRUCTURE TOPS PRIOR TO CONSTRUCTION, AND SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES. PROVIDE SHOP DRAWINGS FOR ALL PRECAST AND MANUFACTURED UTILITY STRUCTURES FOR REVIEW BY THE ENGINEER PRIOR TO CONSTRUCTION OF THE
- UTILITY SEPARATION: WATERLINES SHALL HAVE A MINIMUM OF 10 FEET HORIZONTAL AND 2 FEET VERTICAL SEPARATION FROM ALL STORM SEWER LINES. IF MINIMUM SEPARATIONS CAN NOT BE OBTAINED, CONCRETE ENCASEMENT OF THE STORM SEWER LINE SHALL BE REQUIRED 10 FEET IN EACH DIRECTION OF THE
- PAYMENT FOR TRENCHING, BACKFILLING, PIPE EMBEDMENT, FLOWABLE FILL, BACKFILL MATERIALS, CLEAN UP, SEEDING, SODDING AND ANY OTHER ITEMS NECESSARY FOR THE CONSTRUCTION OF THE UTILITY LINE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE UTILITY INSTALLATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING RESPECTIVE UTILITY COMPANIES 48-HOURS IN ADVANCE FOR THE INSPECTION OF ANY PROPOSED UTILITY MAIN EXTENSION OR SERVICE LINE OR SERVICE CONNECTION TO ANY EXISTING MAIN.
- TRENCH SPOILS SHALL BE NEATLY PLACED ONSITE ADJACENT TO THE TRENCH, AND COMPACTED TO PREVENT SATURATION AND EXCESS SEDIMENT RUNOFF. UNSUITABLE MATERIALS, EXCESS ROCK AND SHALE, ASPHALT, CONCRETE, TREES, BRUSH ETC. SHALL BE PROPERLY DISPOSED OF OFFSITE. MATERIALS MAY BE WASTED ONSITE AT THE DIRECTION OF THE OWNER OR HIS APPOINTED REPRESENTATIVE.

TRENCH CHECKS TO BE INSTALL ON ALL SANITARY SEWER SERVICE LINES IN ACCORDANCE WITH CITY OF LEES SUMMIT STANDARDS.

CONFORMING TO CONSTRUCTION RECORDS.

DATE

RPM 9/26/2022 BY DATE

# PROJECT BENCHMARK:

SW. CORNER NW. \(\frac{1}{4}\) SEC. 18-47N-31W, JACKSON COUNTY, MO. 3" DIAMETER ALUMINUM DISK IN MONUMENT BOX M.D.N.R. DOC. NO. 600-65374

ELEV. 1036.41

**APPROVED BY** 

CITY ENGINEER

ABP FUNDING, LLC

JOHN DUGGAN

p 913-208-2283

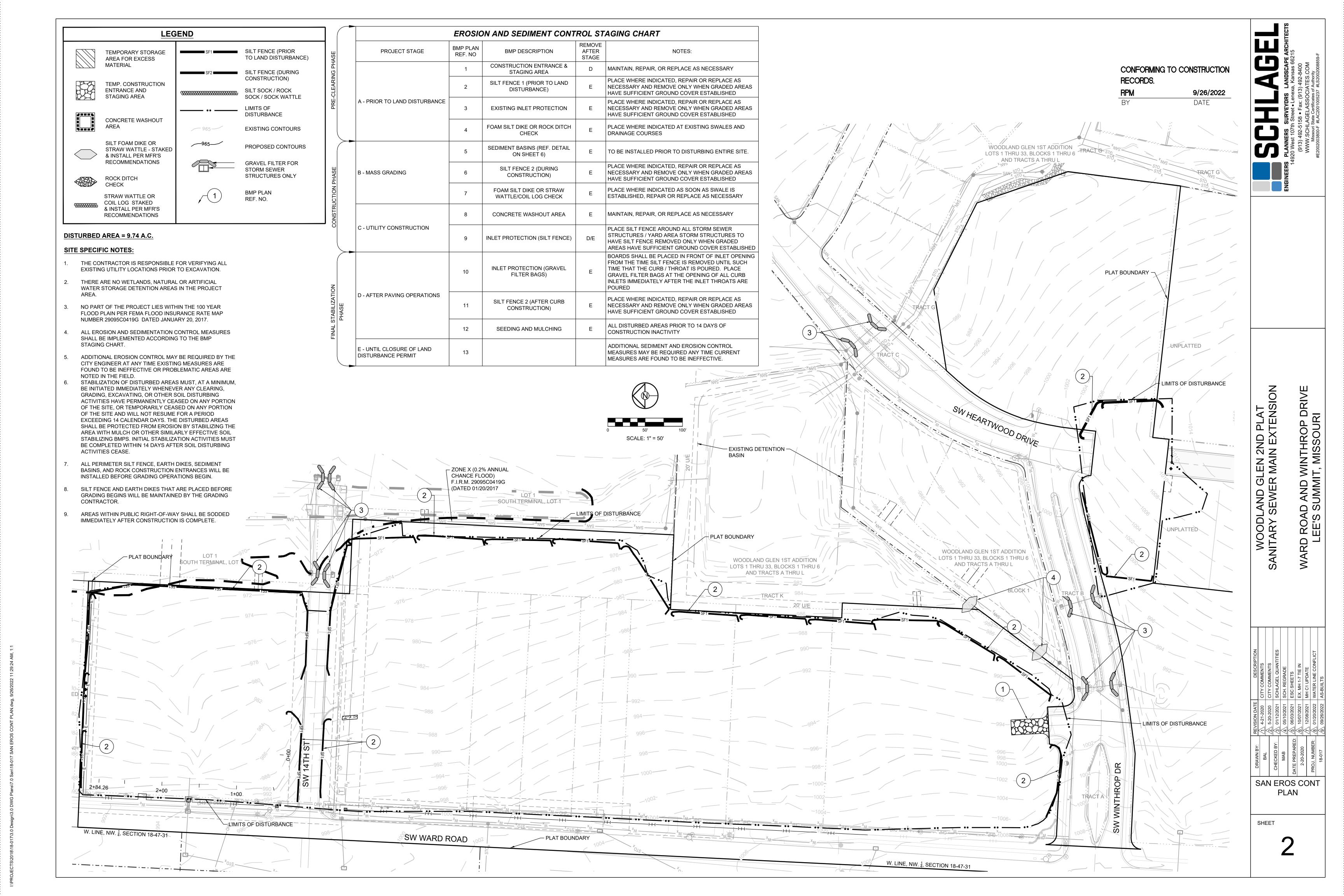
OWNER/DEVELOPER:

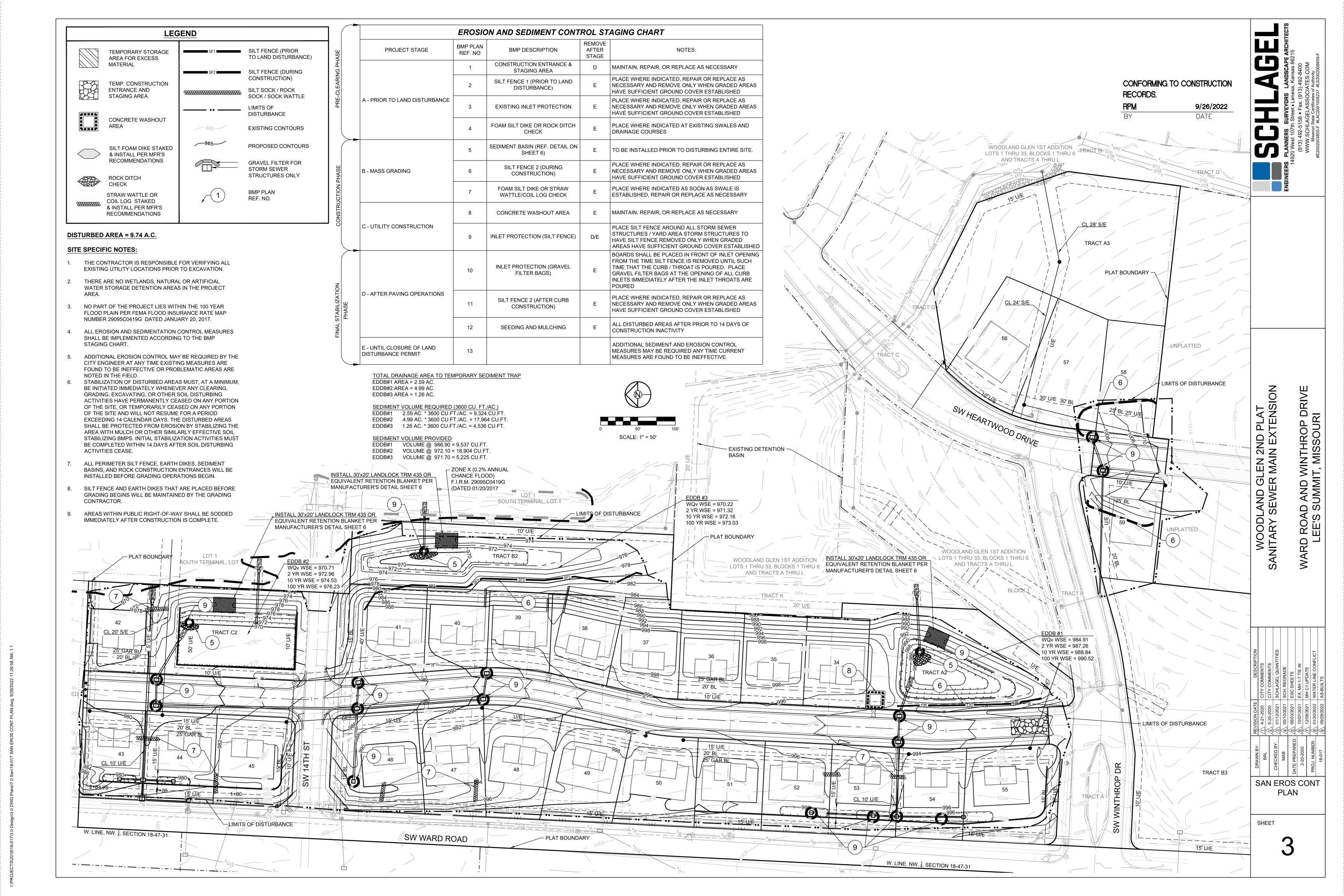
9101 W. 110TH STREET, SUITE 200

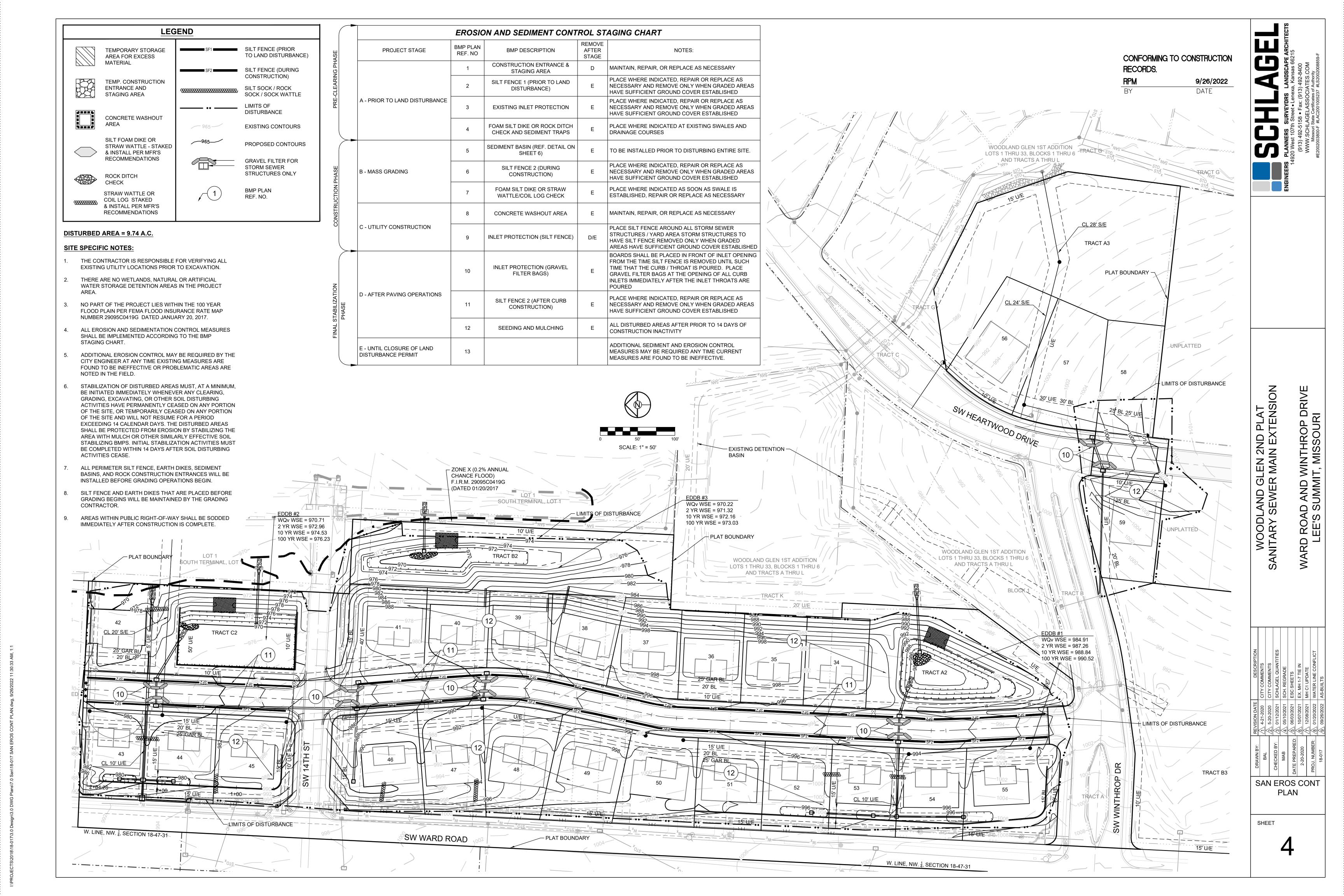
OVERLAND PARK, KANSAS 66210

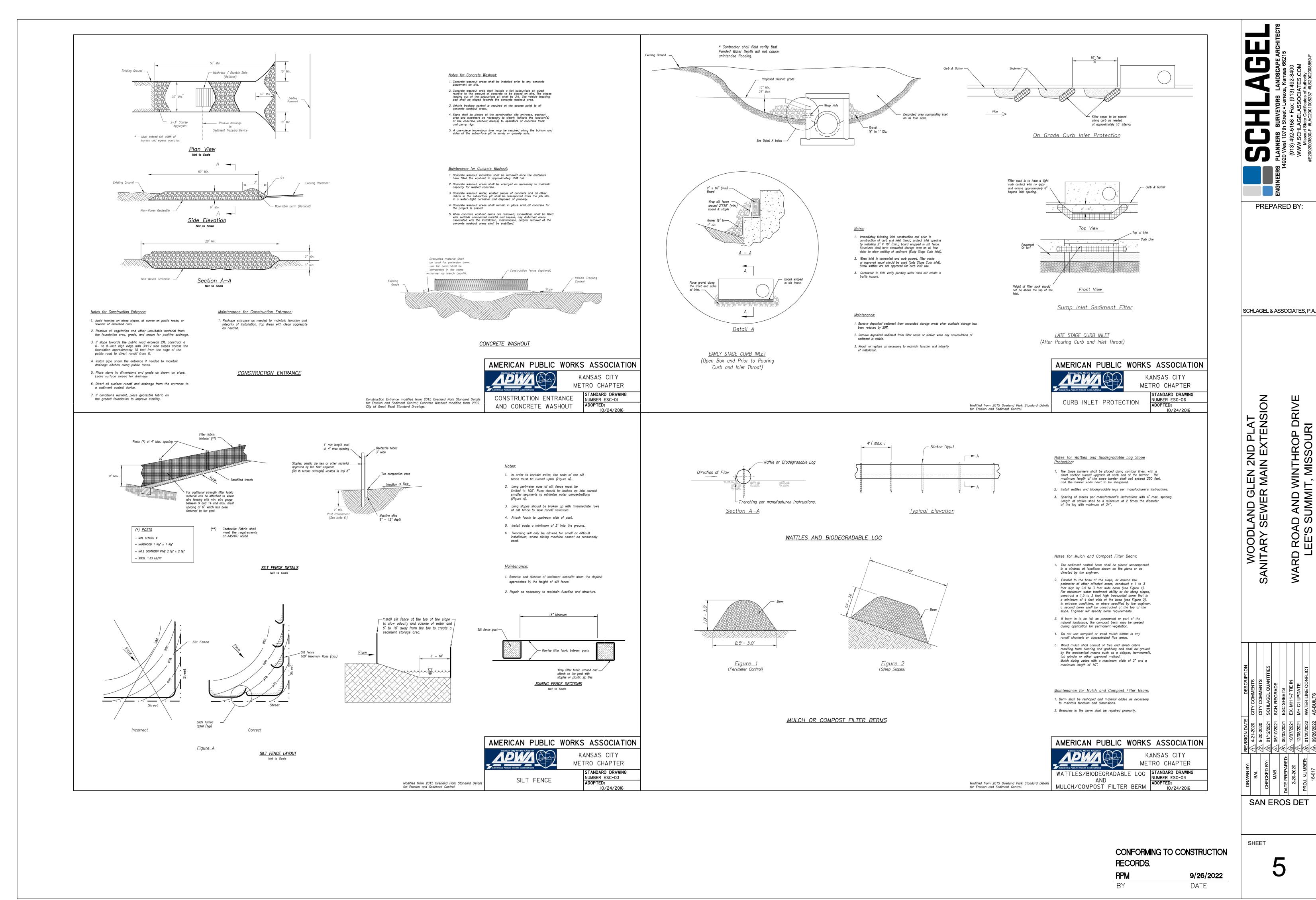
JDUGGAN@KC-DSDLAW.COM

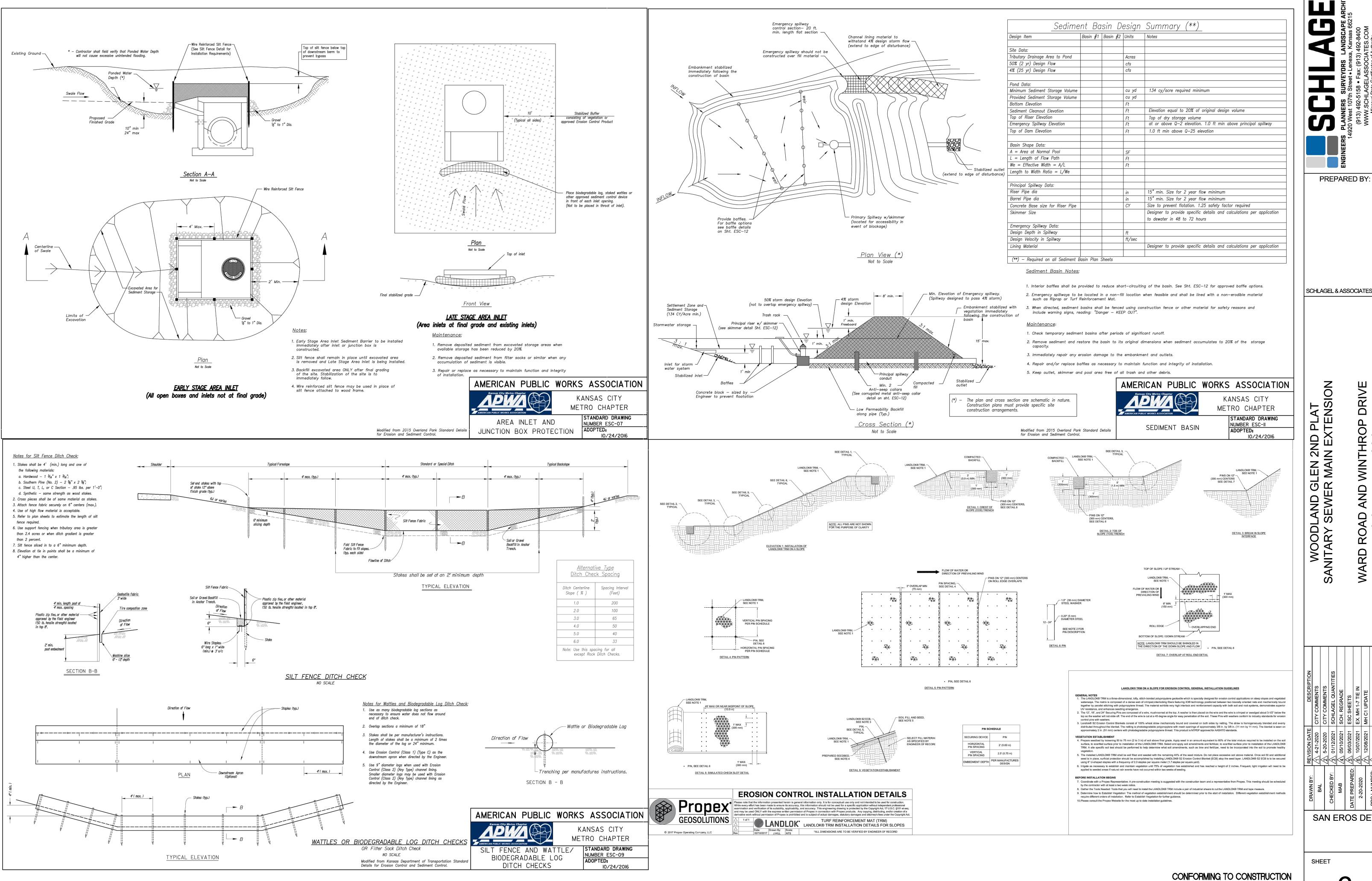
APPROVED FOR ONE YEAR FROM THIS DATE











SCHLAGEL & ASSOCIATES, P.A. SION DRIVE ROAD AND WI EE'S SUMMIT,

WARD

SAN EROS DET

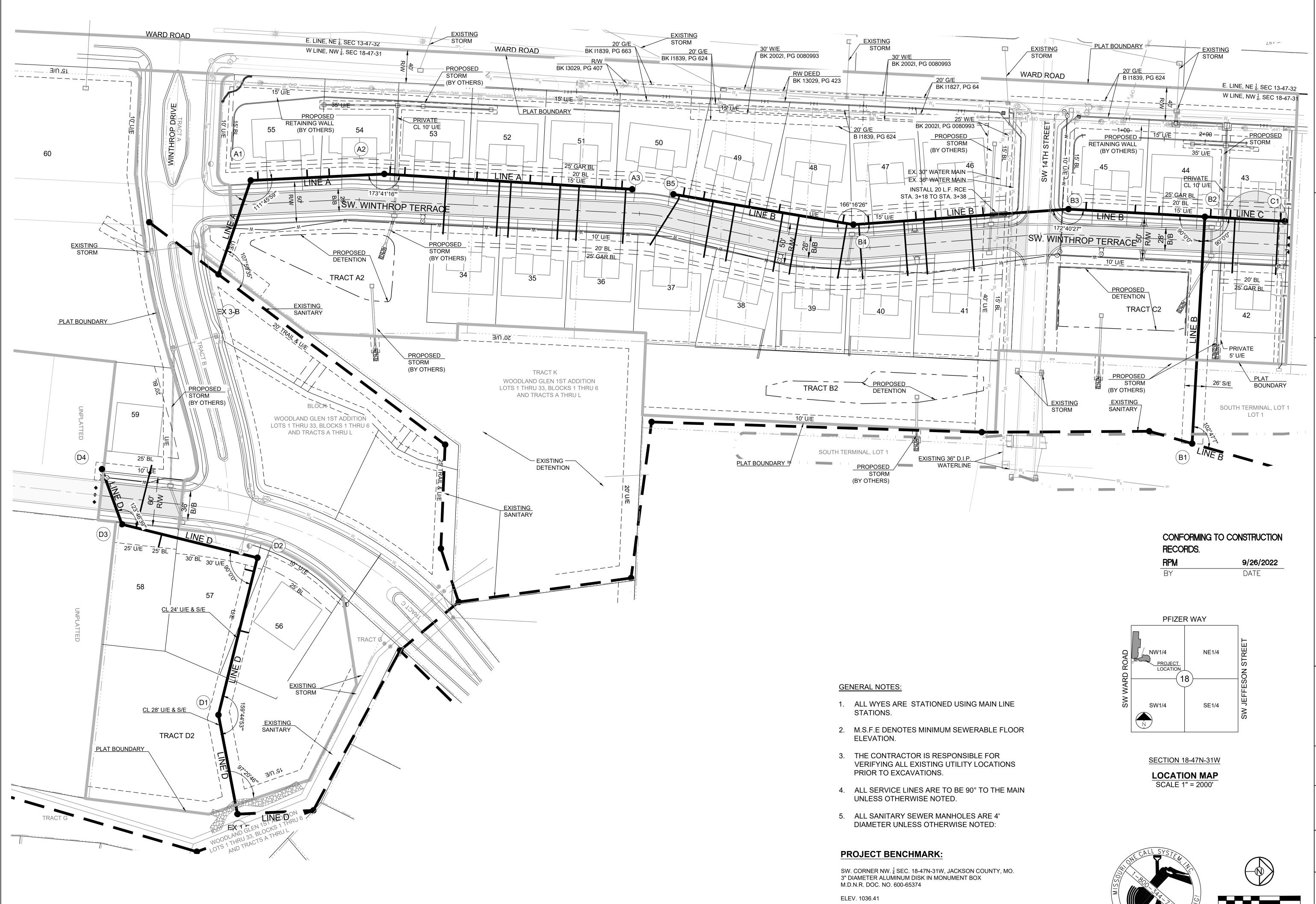
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9/26/2022

DATE

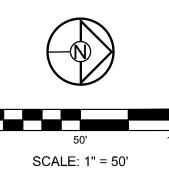
RECORDS.

RPM



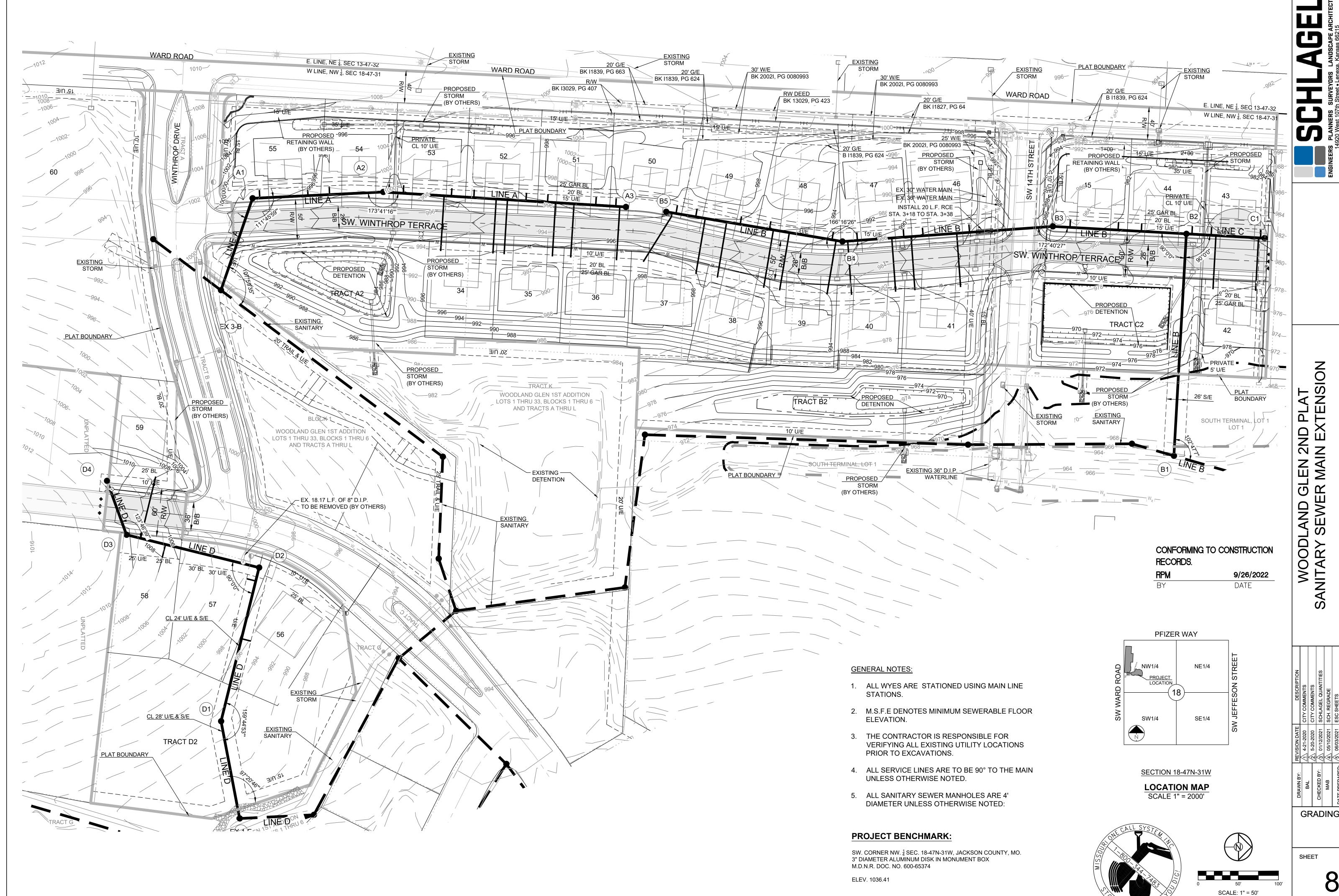
ND PLAT EXTENSION RIVE VINTHROP DF 7, MISSOURI WOODLAND GLEN 21 SANITARY SEWER MAIN







SHEET

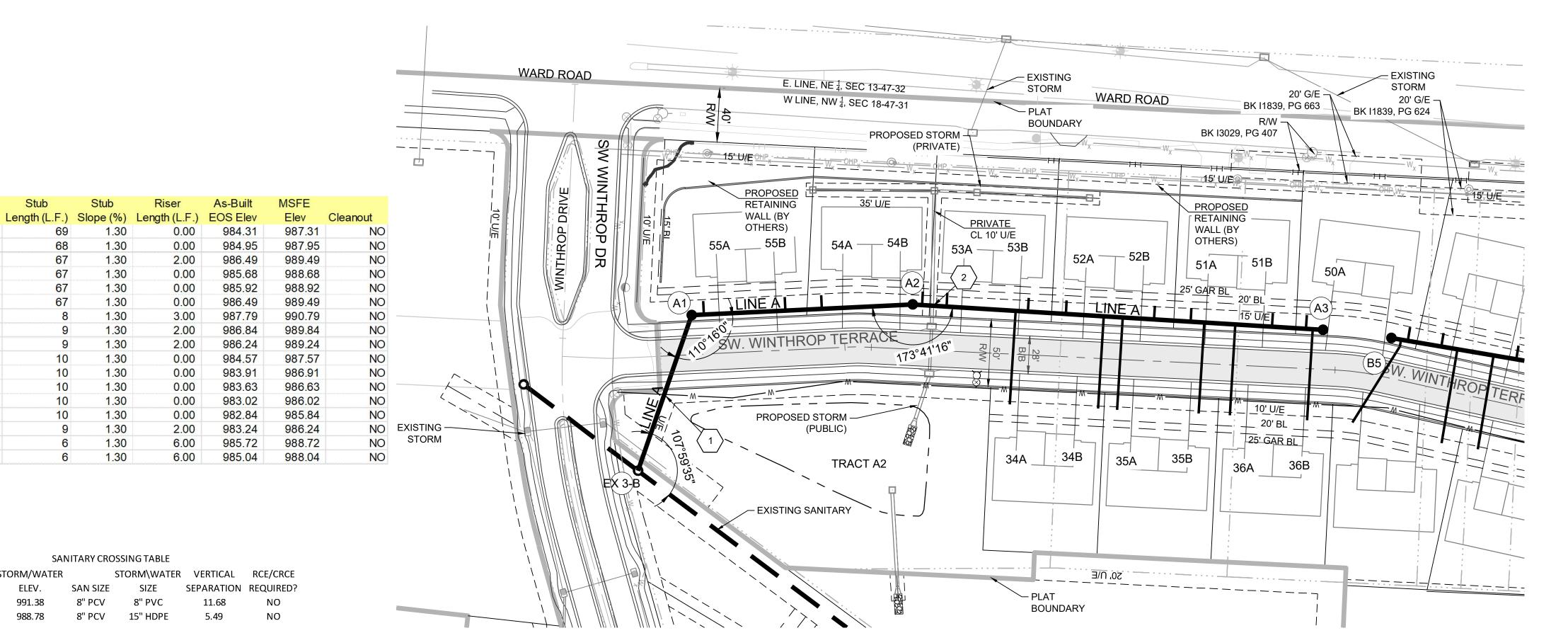


RIVE

VINTHROP DF 7, MISSOURI WARD

		4-21-2020	
_	<	000000	OTIVE WIND A VEIO
	\ <u>Z</u>	<u>/2</u> \ 5-∠∪-∠∪∠∪	CITY COMMENTS
:D BY:	$<\!\!<$	3\ 01/12/2021	SCHLAGEL QUANTITIES
m	4	05/10/2021	4 05/10/2021 SCH. REGRADE
PARED.	<b>⊗</b>	5 06/03/2021	ESC SHEETS
000	<b>⊗</b>	10/07/2021	<u> </u>
020	Þ	7000,007	T+ 400 - 70 - 14
	$\le$	1202/00/21	// IZ/UG/ZUZI   IMITICI UPDATE
MBER:	<b>⊗</b>	01/20/2022	8 01/20/2022 WATER LINE CONFLICT
1	<		

**GRADING PLAN** 



### **GENERAL NOTES:**

- 1. ALL WYES ARE STATIONED USING MAIN LINE STATIONS.
- 2. M.S.F.E DENOTES MINIMUM SEWERABLE FLOOR ELEVATION.

EXISTING UTILITY LOCATIONS PRIOR TO EXCAVATIONS.

- 3. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL
- 4. ALL SERVICE LINES ARE TO BE 90° TO THE MAIN UNLESS OTHERWISE NOTED.
- 5. ALL SANITARY SEWER MANHOLES ARE 4' DIAMETER UNLESS OTHERWISE NOTED:



RIVE

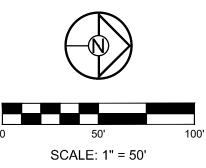
VINTHROP DF , MISSOURI

WOODLAND GLEN 2ND PLAT SANITARY SEWER MAIN EXTENSION

#### PROJECT BENCHMARK:

SW. CORNER NW.  $\frac{1}{4}$  SEC. 18-47N-31W, JACKSON COUNTY, MO. 3" DIAMETER ALUMINUM DISK IN MONUMENT BOX M.D.N.R. DOC. NO. 600-65374

ELEV. 1036.41





A1 992504.4316 2818397.8530					
A1 992504.4316 2818397.8530	Struc		Structure Tab	le	
711 00200111010 201000110000	Struct	Name	tructure Name Structure Northin	ıg	Structure Easting
A2 002667 0525 2818380 0810	992		A1 992504.4316		2818397.8530
A2 992007.0323 2010309.9010	992		A2 992667.0525		2818389.9810
A3 992969.0240 2818408.6667	992		A3 992969.0240		2818408.6667
EX 3-B 992465.0382 2818512.2921	992	В	EX 3-B 992465.0382		2818512.2921

1020			LINE A	1" = 50' HORIZ. 1" = 10' VERT.	1020
1010	STA. 5+42.13 EX. LINE = STA. 0+00.00, LINE A EX. STANDARD 4' MHX TOP = 995.41 CONNECT TO EX. MH PER CITY DETAIL	A MILL O	A	STA. 5+86.39, LINE A STANDARD 4' MH FOP = 996.34 996.19	1010
1000	STA. STA. CONN.	GRADE GRADE	NO H AAAA	NO H ATAN	1000
990			15" HDPE STORM LINE FL = 988.78		990
980		162.81 LF	302.55 LF 8" PVC SDR-26		980
970 <sup>8" P</sup>	121.03 LF 8" PVC SDR-26 @ 0.99% 0 1.31%	8" PVC SDR-26 @ <del>1.04%</del> 1.14%	@ <del>0.90%</del> 1.01%		970
960	N				960
950	FL OUT (NE) 977.32 FL IN (W) 977.82 FL IN (SW) 977.43	FL OUT (E) <del>980.42</del> FL IN (N) <del>980.62</del> 979.95	FL OUT (S) 981.81 FL OUT (S) 982.34 FL IN (N) 981.98	985.03 0UT (S) <del>985.24</del>	950
940	X X	0 =		0 1	940

CONFORMING TO CONSTRUCTION RECORDS.

9/26/2022 DATE

LINE A PLAN AND PROFILE

359.84

438.84

521.84

573.84

548.84

488.84

290.84

190.03

130.03

1.30

1.30

1.30

1.30

1.30

1.30

1.30

1.30

1.30

SANITARY CROSSING TABLE

8" PCV

15" HDPE

34B

35A

35B 36A

36B

50A

51B

51A

52B

52A

53B

53A

54B

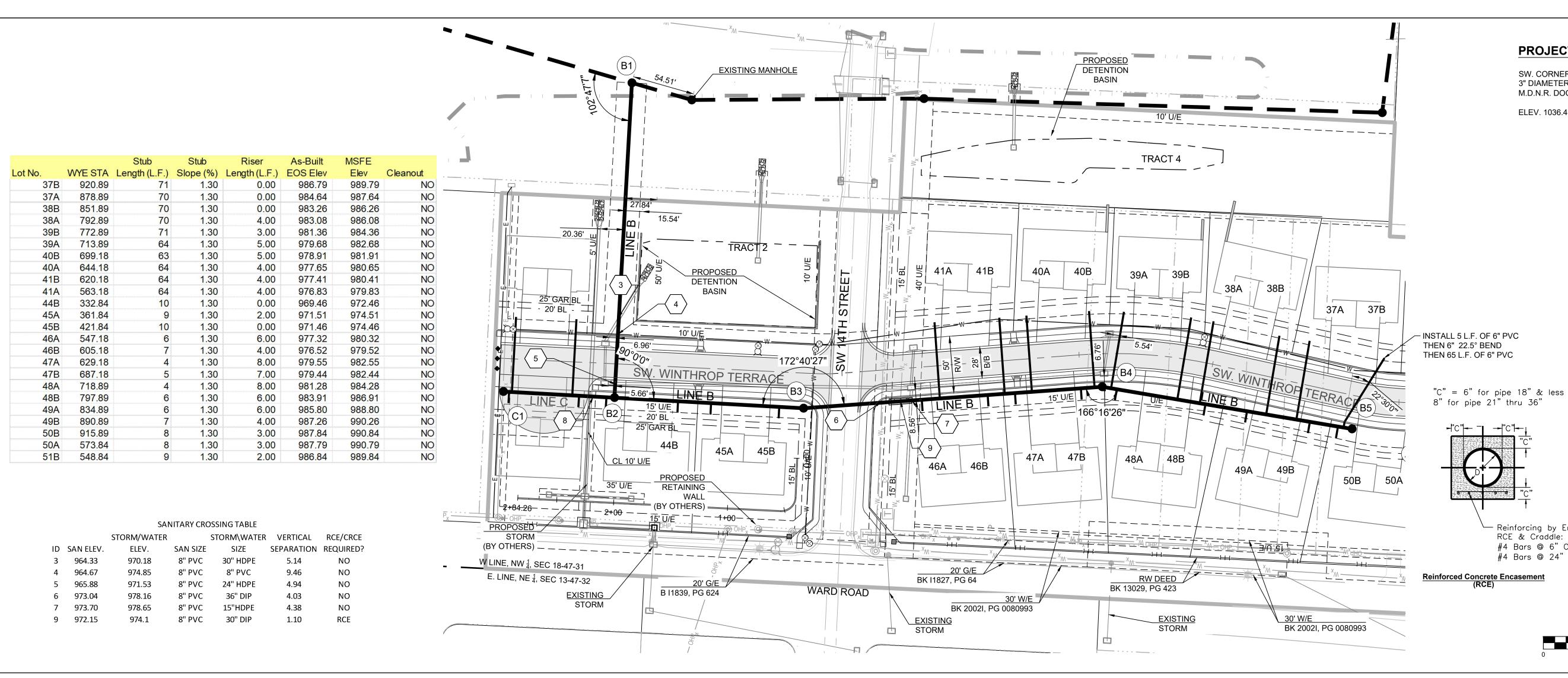
54A

55B

55A

2 982.58

SHEET



# PROJECT BENCHMARK:

SW. CORNER NW. <sup>1</sup>/<sub>4</sub> SEC. 18-47N-31W, JACKSON COUNTY, MO. 3" DIAMETER ALUMINUM DISK IN MONUMENT BOX M.D.N.R. DOC. NO. 600-65374

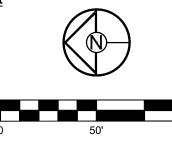
ELEV. 1036.41

#### GENERAL NOTES:

- ALL WYES ARE STATIONED **USING MAIN LINE** STATIONS.
- 2. M.S.F.E DENOTES MINIMUM SEWERABLE FLOOR ELEVATION.
- 3. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING **UTILITY LOCATIONS PRIOR** TO EXCAVATIONS.
- 4. ALL SERVICE LINES ARE TO BE 90° TO THE MAIN UNLESS OTHERWISE NOTED.
- ALL SANITARY SEWER MANHOLES ARE 4' DIAMETER UNLESS OTHERWISE NOTED:



#4 Bars @ 24" Ctrs. Travsverse.



Reinforcing by Engineer as follows:

#4 Bars @ 6" Ctrs. Longitudinally,

RCE & Craddle:

SCALE: 1" = 50'

Structure Table			
Structure Northing	Structure Easting		
993651.2313	2818718.4949		
993666.6637	2818442.0890		
993500.5868	2818432.8165		
993238.5614	2818451.7377		
993019.2687	2818414.6635		
	Structure Northing 993651.2313 993666.6637 993500.5868 993238.5614		

1020	LINE B	' = 50' HORIZ. ' = 10' VERT. 1020
1010	STANDARDA MAIN  TOP = 943.00  STANDARDA MINE B  STANDARDA MINE B  CONNECT TO EX. MAIN  LUINE PERCITY OF MAIN  CONNECT TO EX. MAIN  LUINE PERCITY OF MAIN  STANDARDA WITH  REPARA 74.00  STANDARDA WITH  REPARA 94.828  STANDARDA WITH  REPARA 94.83.17  STANDARDA WITH  REPARA 94.83  REPARA 94.83  STANDARDA WITH  REPARA 94.83  STANDARDA WITH  REPARA 94.83  STANDARDA WITH  REPARA 94.83  REPARA 94.83  STANDARDA WITH  REPARA 94.83  REPARA	1010
1000	SO   SO   SO   SO   SO   SO   SO   SO	1000
990	EXISTING GROUND = PROPOSED GRADE  36" CLASS 53 RJ DIP WATER FL=971.53  PROPOSED GRADE  EXISTING GROUND  EXISTING GROUND = PROPOSED GRADE  36" CLASS 53 RJ DIP WATER FL=978.46  30" (W/POLYWRAP) WATER FL=974.10	990
980	15" HDPE STORM LINE FL = 978.78	980
970	222.40 LF 8" PVC SDR-26 @ 5.29% 5.10%	970
960	8" PVC SDR-26  0 2.64%  INSTALL 20 L.F. OF RCE FROM STA 5+19 TO STA 5+19	960
8" F	276.84 LF 8" PVC SDR-26 @ 2.75% PVC SDR-26 @ 1.16%  2.25%  (REF. DETAIL THIS SHEET)  2.25%	950
940		940
930	EX. FL OUT (N) 958.43  EX. FL OUT (N) 958.43  EX. FL OUT (N) 950.74  FL OUT (E) 966.84  FL OUT (E) 966.84  FL IN (S) 973.95  FL IN (S) 974.24  967.40  967.40  967.40  967.40  967.40  967.40  967.40  967.40  967.40  967.68	930 CONFC
920		920 RECOR
	0+00 1+00 2+00 3+00 4+00 5+00 6+00 7+00 8+00 9+00	10+00 RPM BY

WOODLAND GLEN 2ND PLAT SANITARY SEWER MAIN EXTENSION

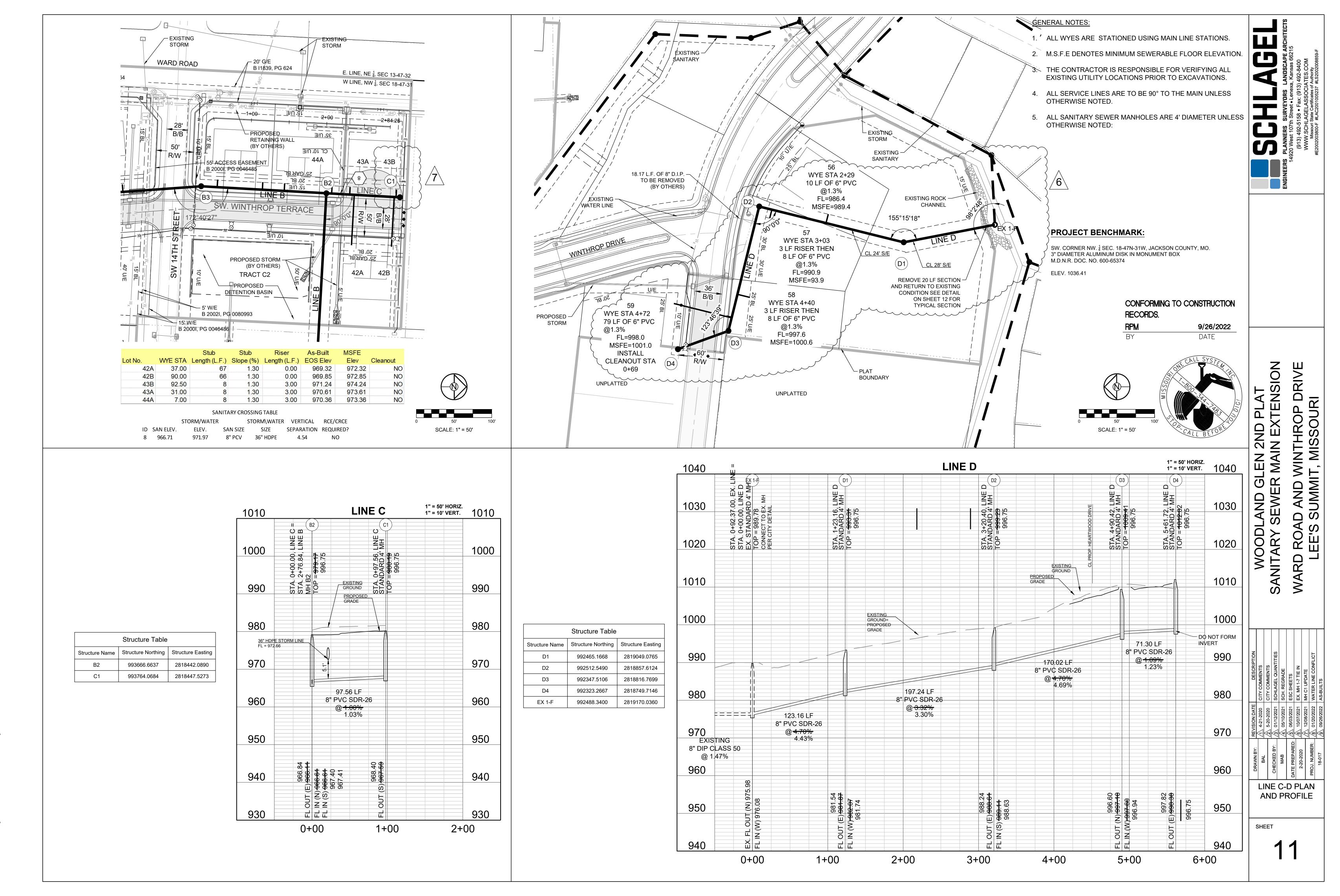
RIVE

INTHROP DE MISSOURI

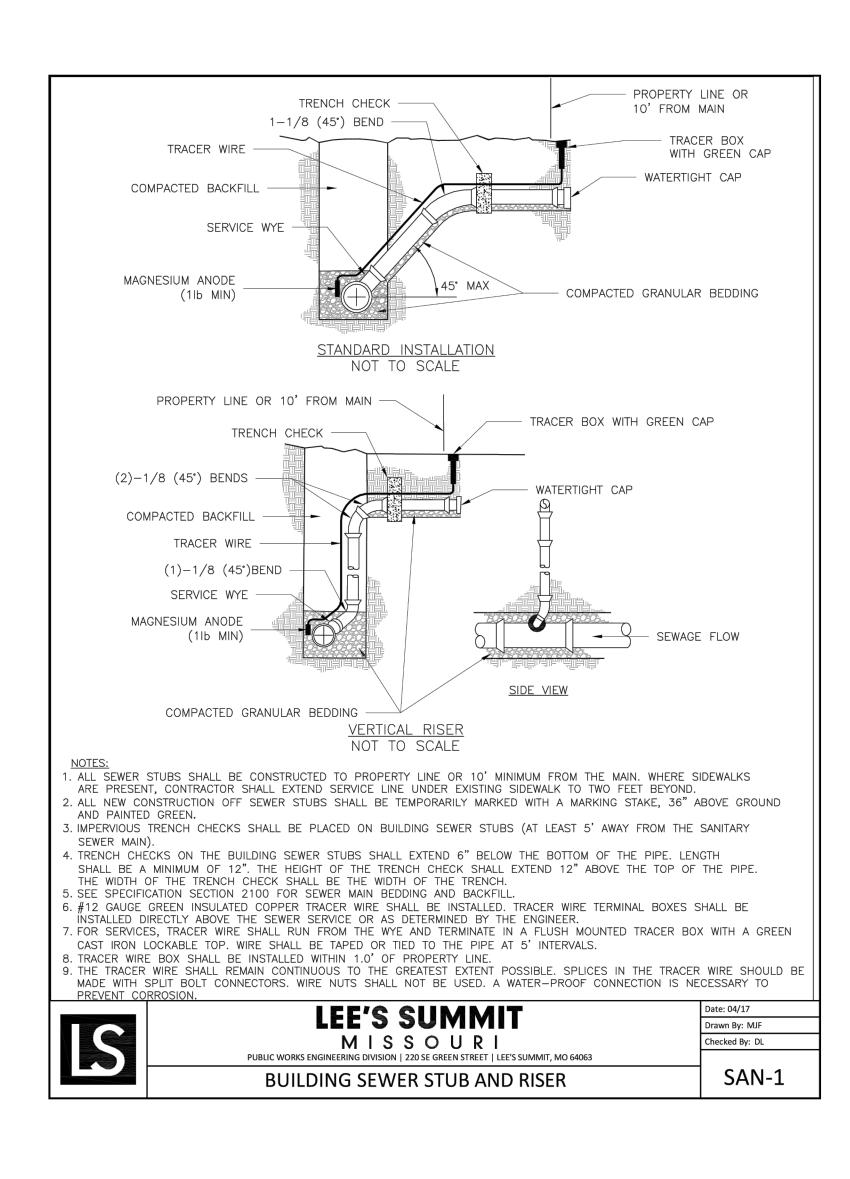
LINE B PLAN AND PROFILE

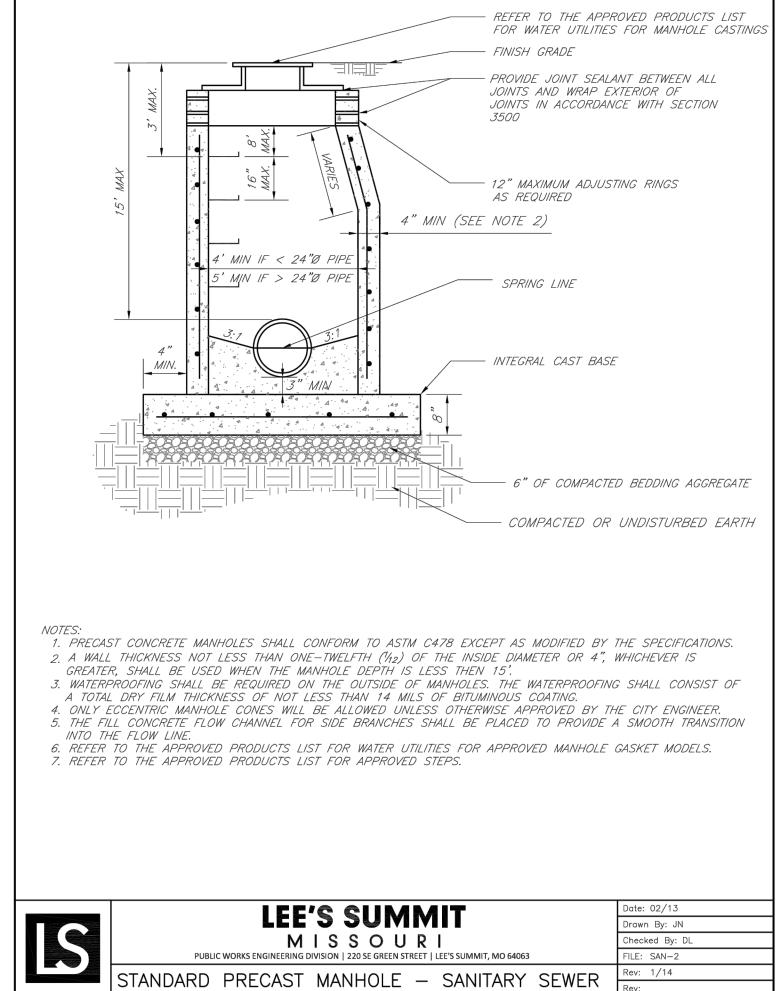
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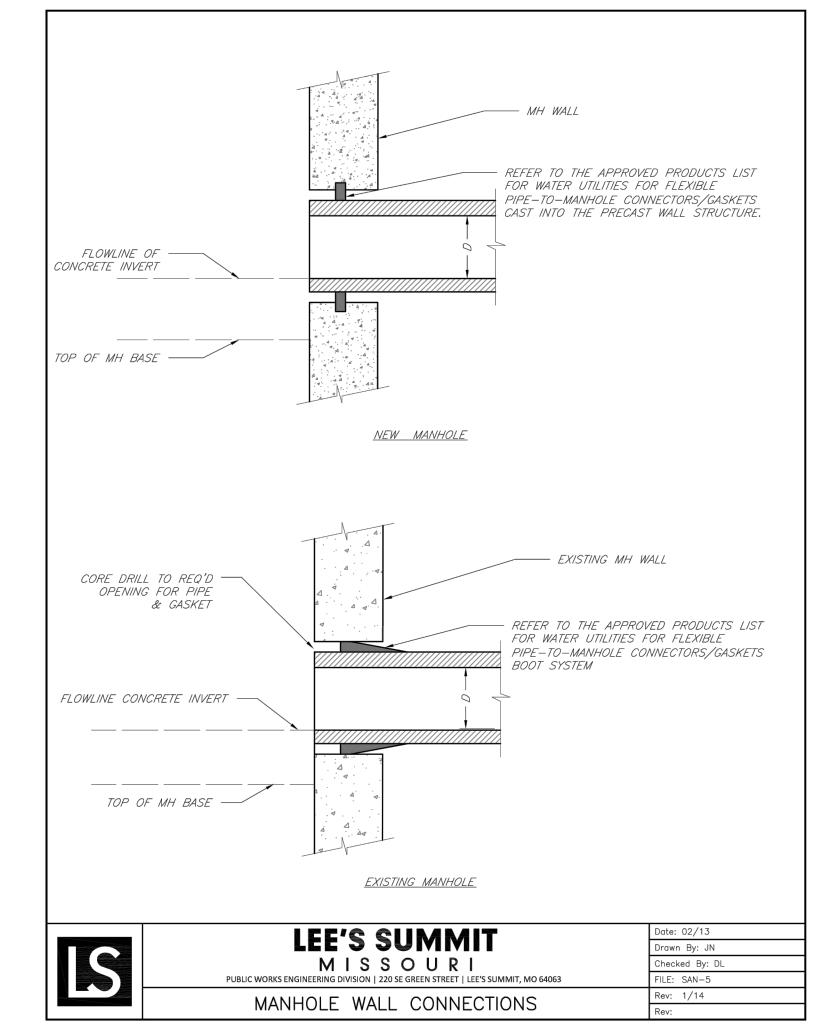
PRMING TO CONSTRUCTION 9/26/2022 DATE

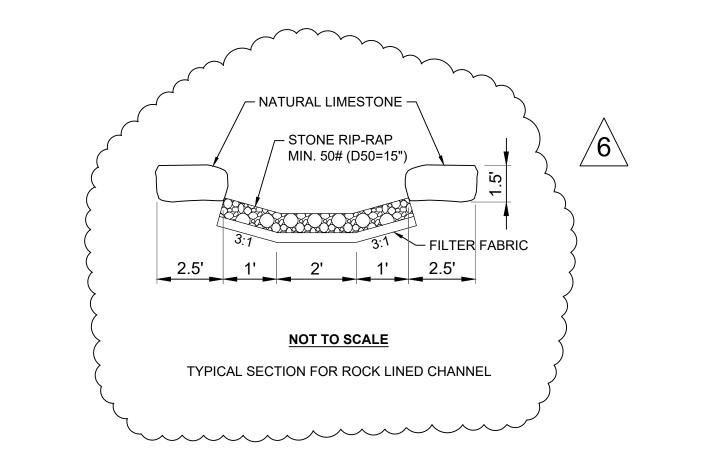


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CONFORMING TO CONSTRUCTION RECORDS.

9/26/2022 DATE

WOODLAND GLEN 2ND PLAT SANITARY SEWER MAIN EXTENSION WARD

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INTHROP MISSOUR

SANITARY **DETAILS** 

SHEET