—— UGE, —— UNDERGROUND ELECTRIC - EX.

GAS LINE - EXISTING

LIGHT - EXISTING

CLEANOUT

EXISTING MANHOLE

EXISTING AREA INLET

EXISTING CURB INLET

EXISTING GRATE INLET **EXISTING JUNCTION BOX EXISTING STORM MANHOLE**

WATERLINE - EXISTING

EXISTING SANITARY MANHOLE

PROPOSED SANITARY MANHOLE

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

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

ron.dejarnette@kcpl.com

Office: (816) 347-4316

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

Sheet Title COVER SAN EROS CONT PLAN SAN EROS CONT PLAN SAN EROS CONT PLAN SAN EROS DET SAN EROS DET **GENERAL LAYOUT** GRADING PLAN LINE A PLAN AND PROFILE LINE B PLAN AND PROFILE LINE C-D PLAN AND PROFILE SANITARY DETAILS

Sheet List Table

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).

APPROVED BY

CITY ENGINEER APPROVED FOR ONE YEAR FROM THIS DATE

DATE

OWNER/DEVELOPER:

ABP FUNDING, LLC JOHN DUGGAN 9101 W. 110TH STREET, SUITE 200 **OVERLAND PARK, KANSAS 66210** p 913-208-2283 JDUGGAN@KC-DSDLAW.COM

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 obtained by Schlagel and Associates.

"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: 10/18/2022 Certified by: RPM Title: Design Engineer

Firm: Schlagel and Associates, P.A.

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

CITY OF LEES SUMMIT PUBLIC WORKS

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.

Record Drawing

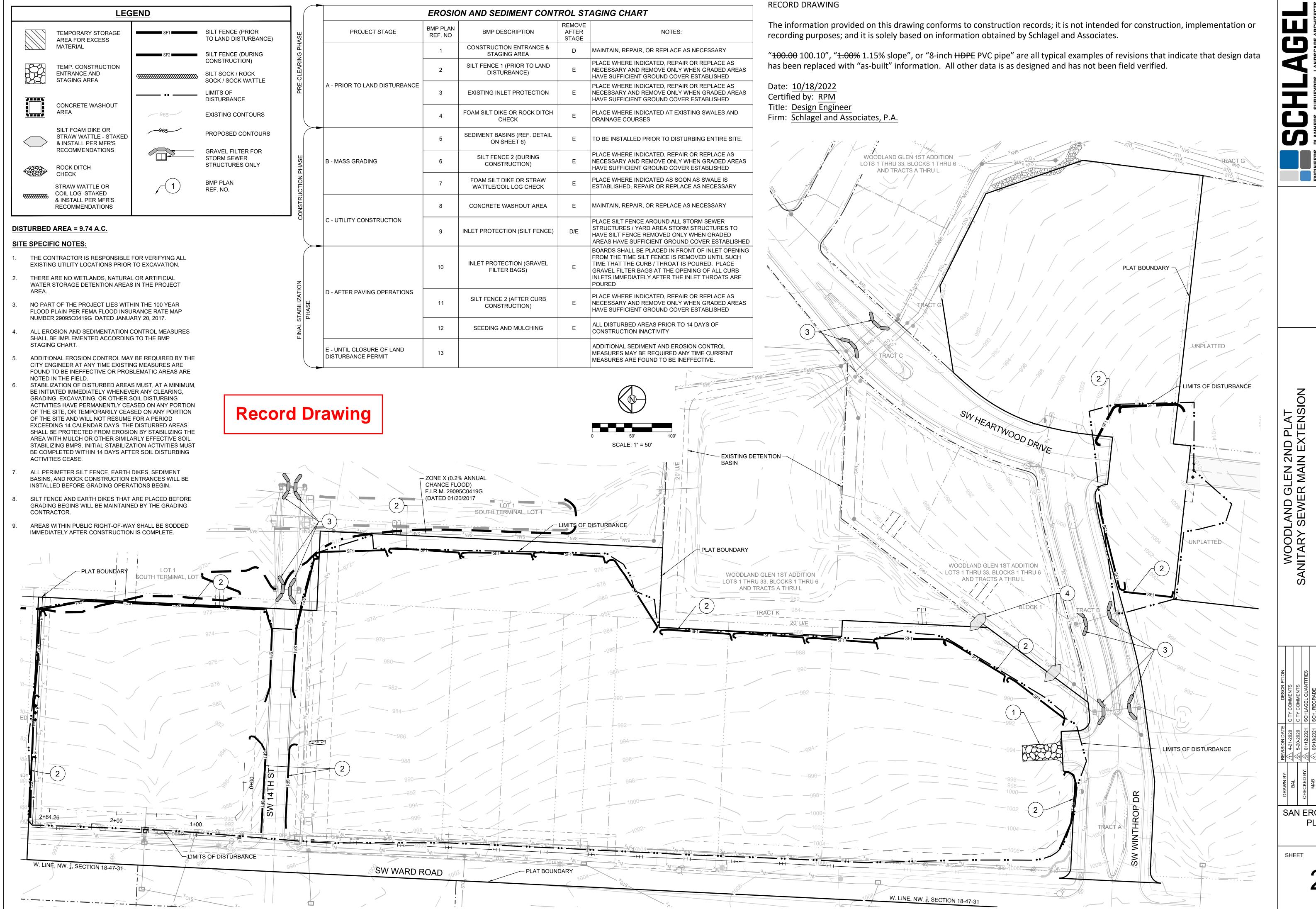
TRENCH CHECKS TO BE INSTALL ON ALL SANITARY SEWER SERVICE LINES IN ACCORDANCE WITH CITY OF LEES SUMMIT STANDARDS.

COVER

WOODI SANITARY

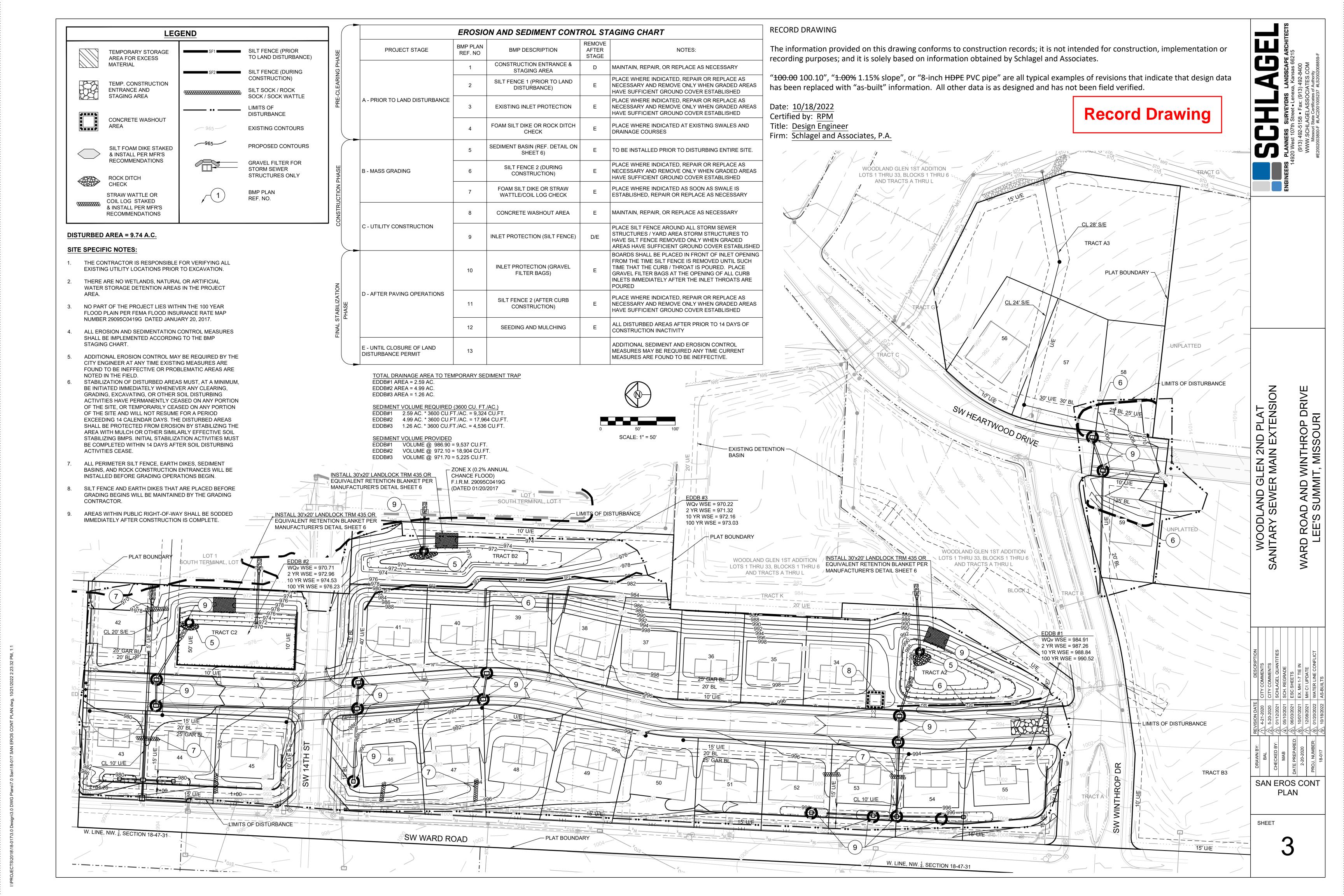
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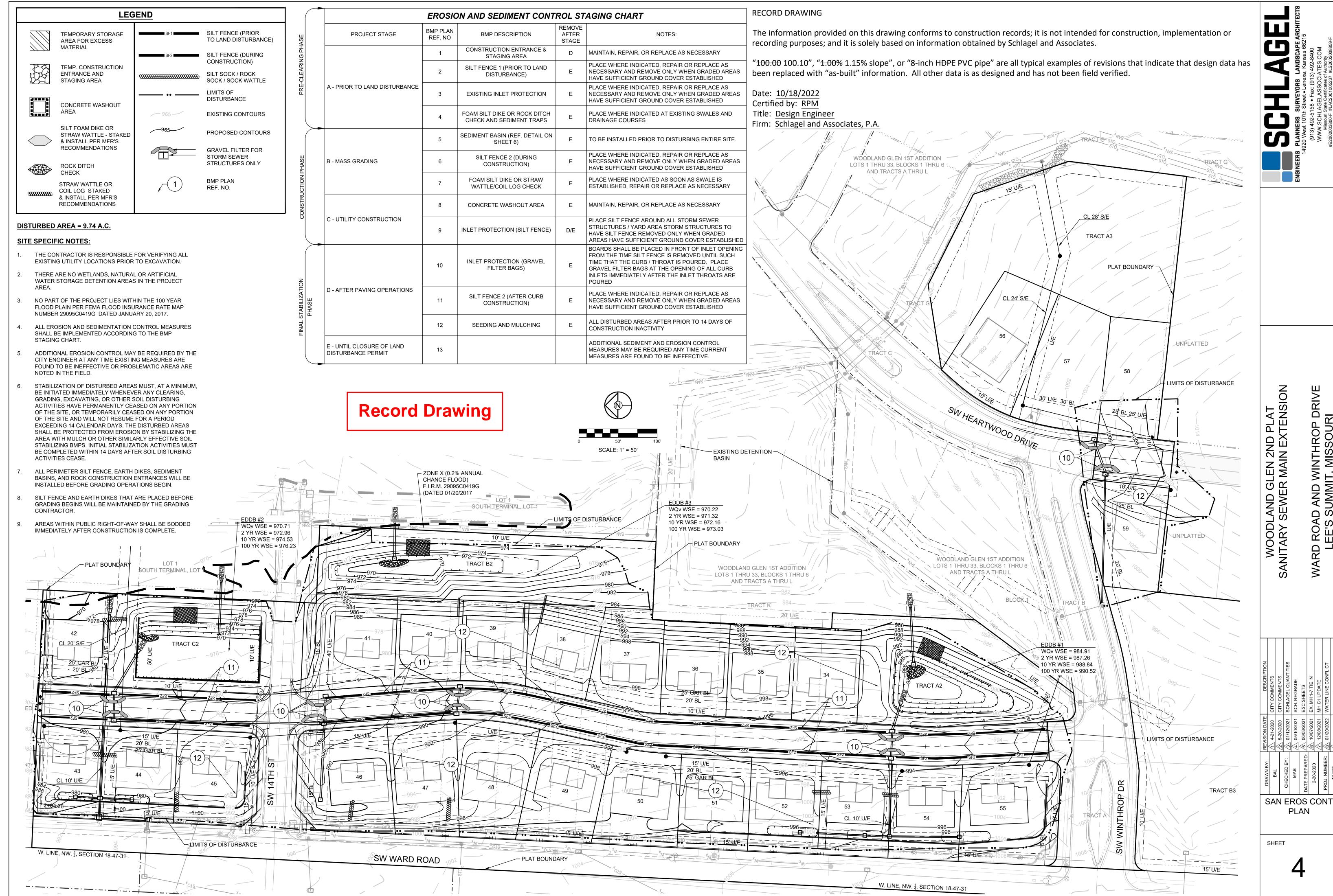
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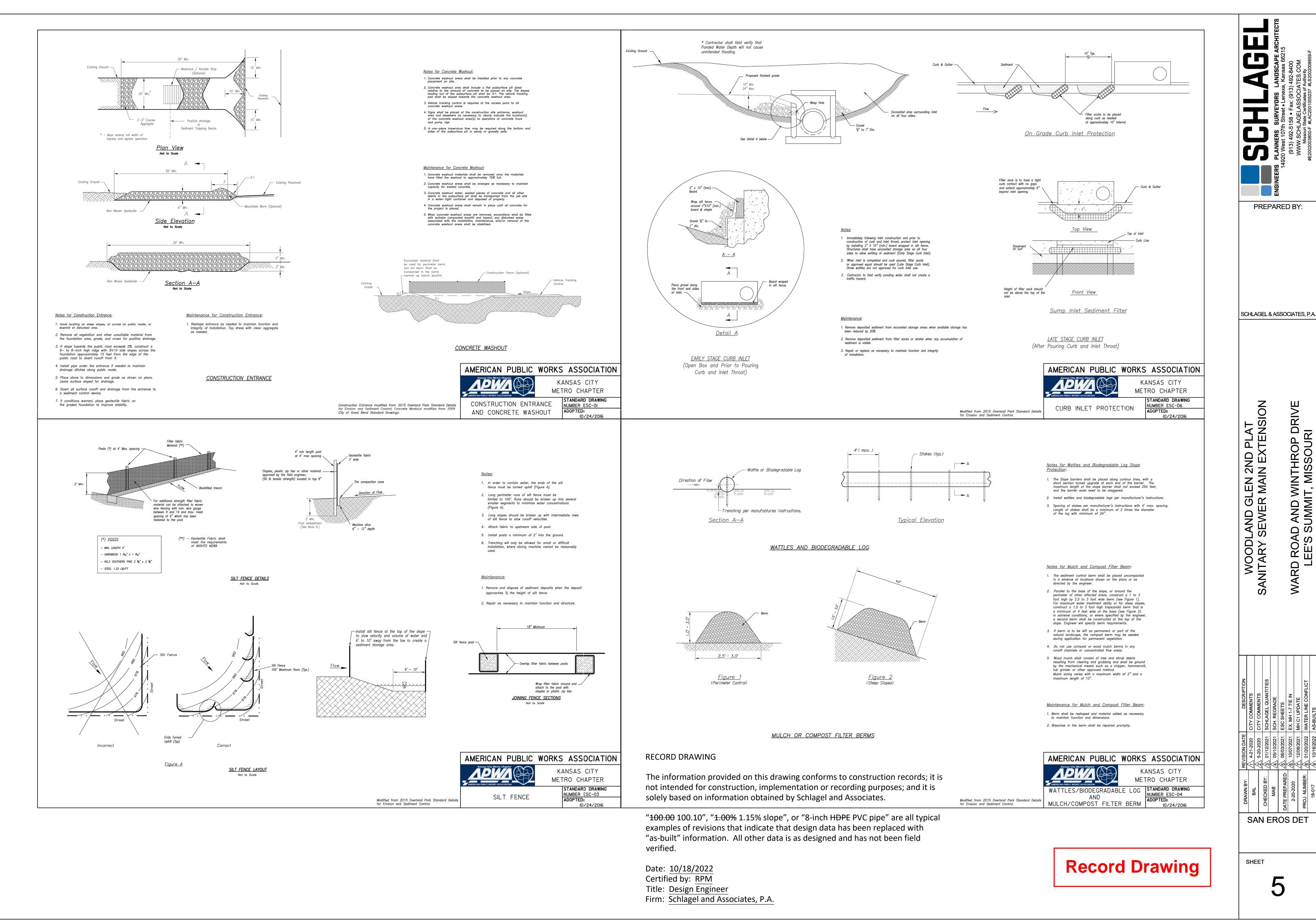
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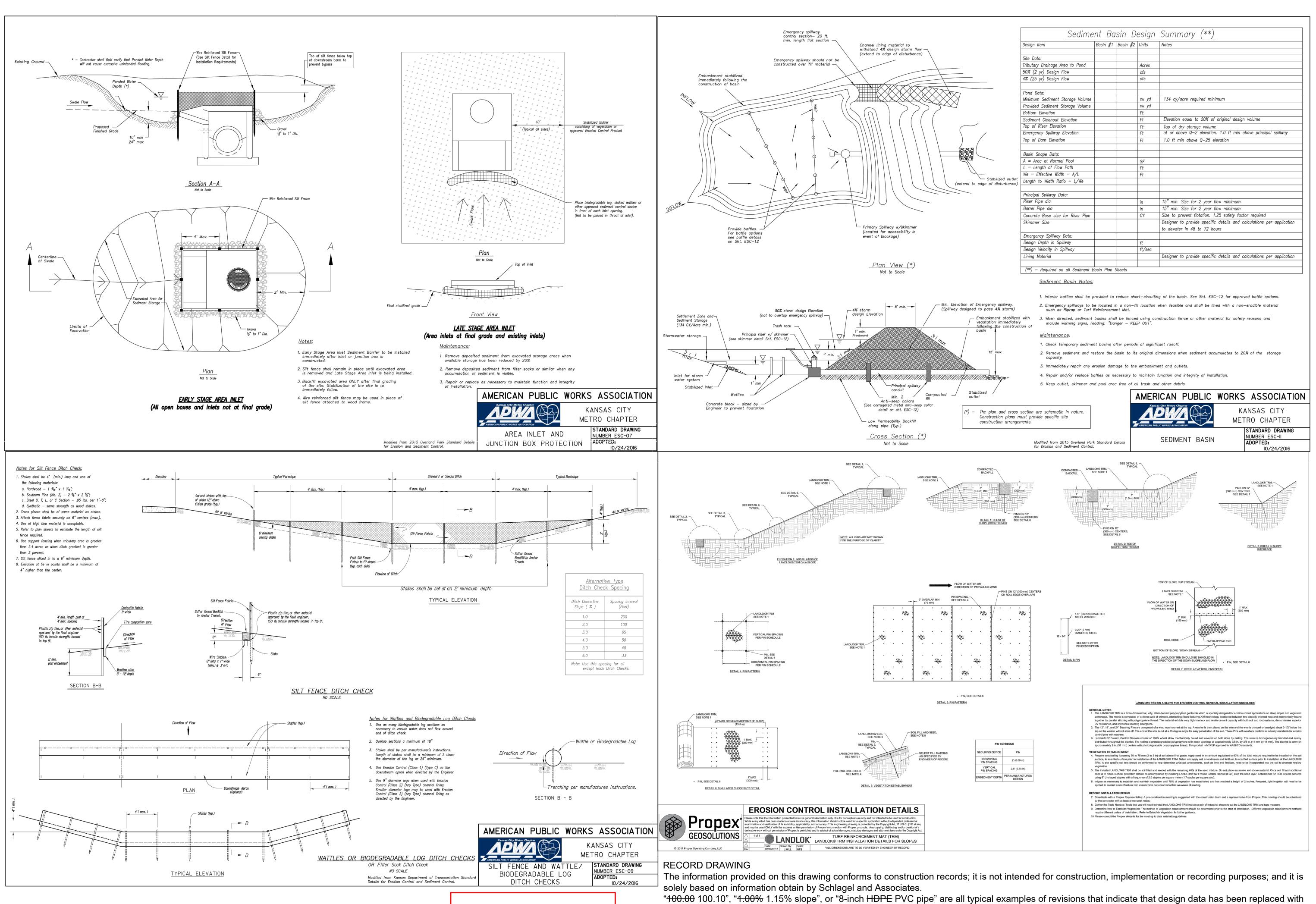
ROAD AND WI EE'S SUMMIT,



DRIVE RI

ROAD AND WI EE'S SUMMIT,

WARD



ENGINEERS PLANNERS SURVEYORS LANDSCAPE ARCHITE
14920 West 107th Street • Lenexa, Kansas 66215
(913) 492-5158 • Fax: (913) 492-8400
WWW.SCHLAGELASSOCIATES.COM
Missouri State Certificates of Authority

PREPARED BY:

SCHLAGEL & ASSOCIATES, P.A.

SOFILAGLE & AGGGGIATEG, T.

DRIVE

ROAD AND WI EE'S SUMMIT,

WARD

SAN EROS DET

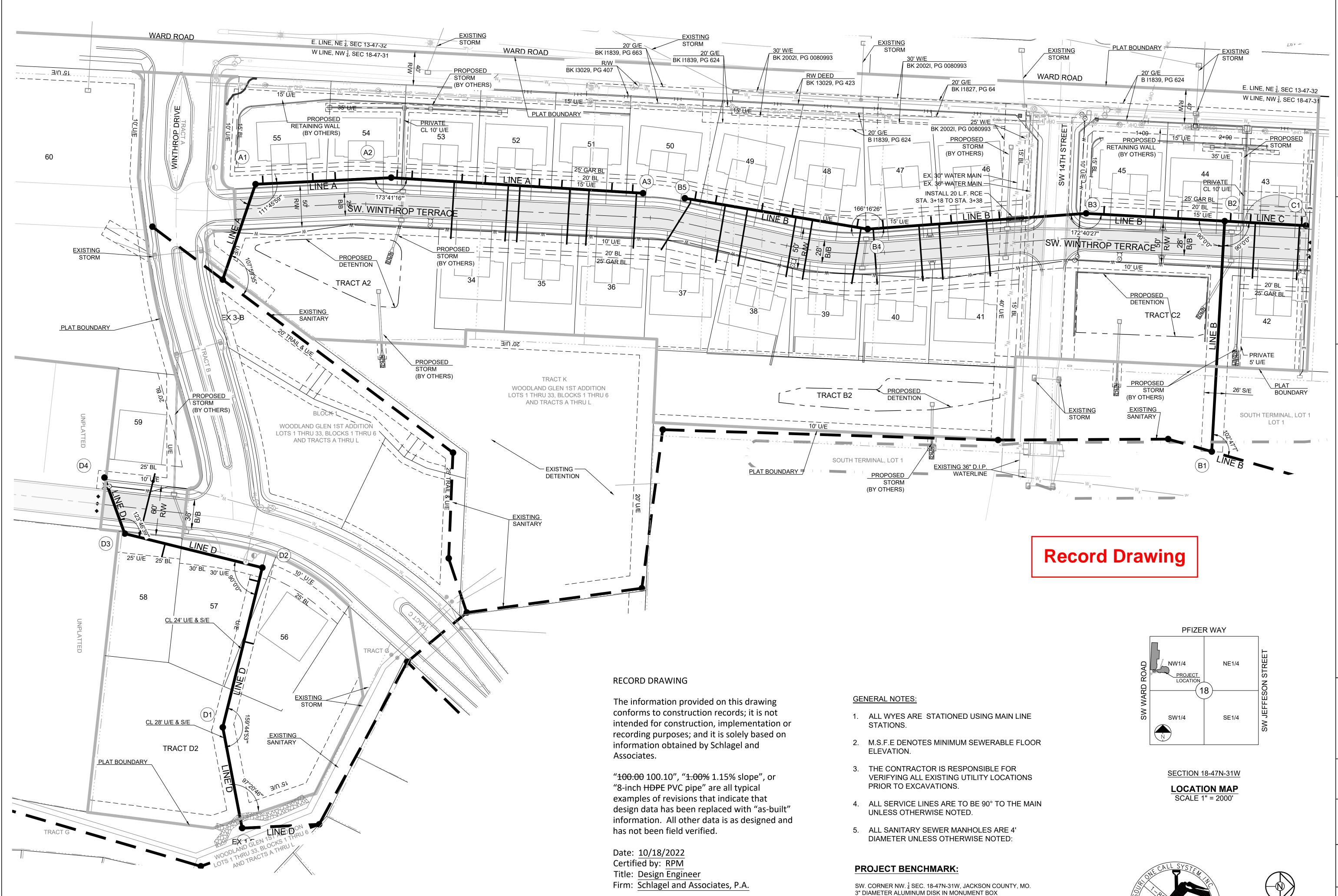
SHEET

6

"as-built" information. All other data is as designed and has not been field verified.

Date: 10/18/2022 Certified by: RPM Title: Design Engineer Firm: Schlagel and Associates, P.A.

Record Drawing



M.D.N.R. DOC. NO. 600-65374

ELEV. 1036.41

PLAT (TENSION VINTHROP DF 7, MISSOURI WOODLAND GLEN 21 SANITARY SEWER MAIN WARD

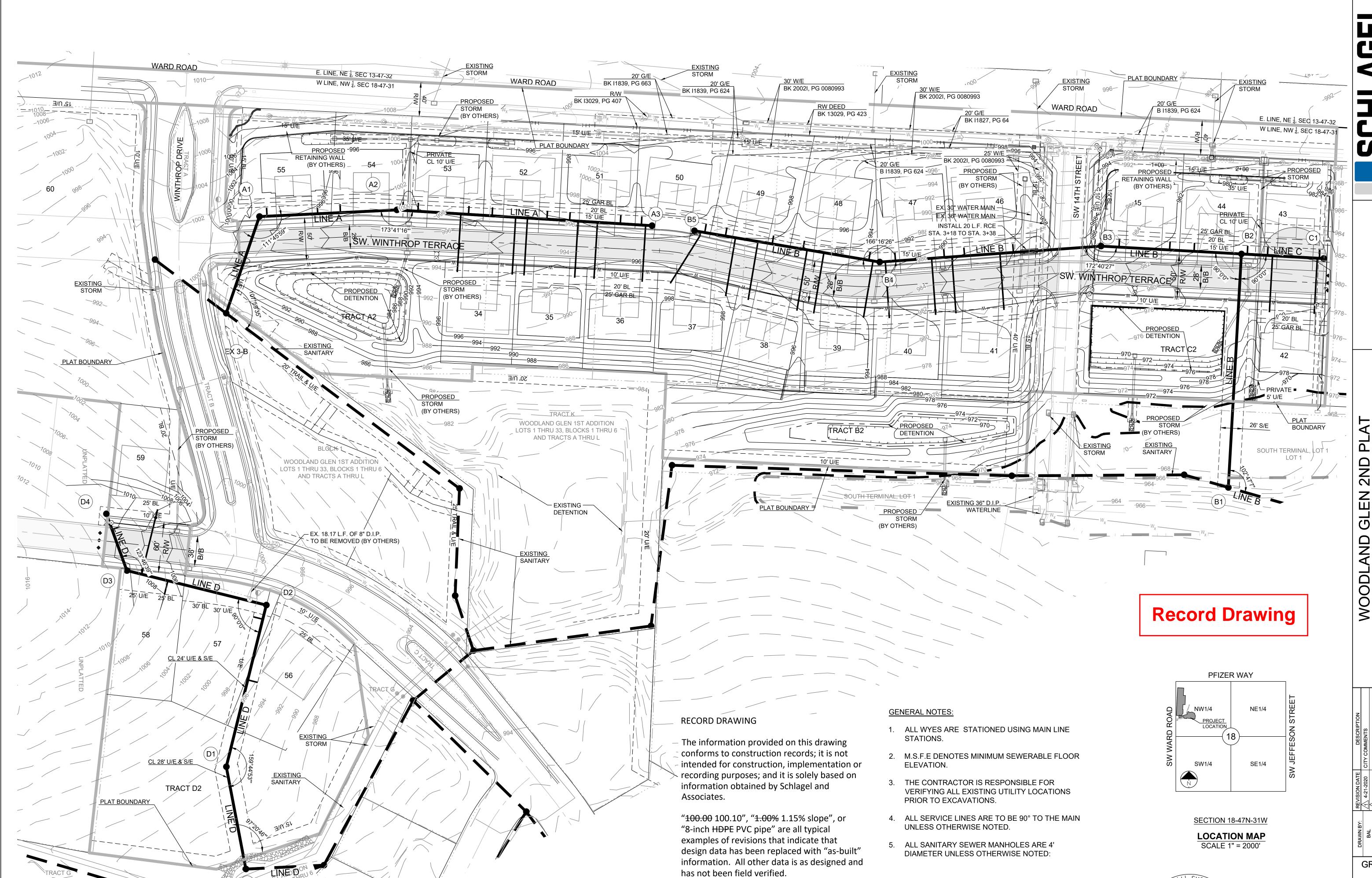
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	× 50 000	OTIVIDADO VEIO
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.Υ:	3\ 01/12/2021	SCHLAGEL QUANTITIES
	4 05/10/2021	
]<	
ZFD.	<u>/5</u> \ 06/03/2021	ESC SHEETS
į	10/02/2021	EX MH 1-7 TIE IN
	10/01/2021	
	42/08/2024	
	12/00/2021	
ER:	8 01/20/2022	8 01/20/2022 WATER LINE CONFLICT
	<	

GENERAL

LAYOUT

SHEET

SCALE: 1" = 50'



Date: 10/18/2022

Certified by: RPM

Title: Design Engineer

Firm: Schlagel and Associates, P.A.

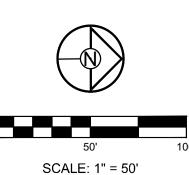
WOODLAND GLEN 2ND PLAT
SANITARY SEWER MAIN EXTENSION
WARD ROAD AND WINTHROP DRIVE
LEE'S SUMMIT, MISSOURI

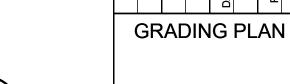
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PROJECT BENCHMARK:

ELEV. 1036.41

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





SHEET

8

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.

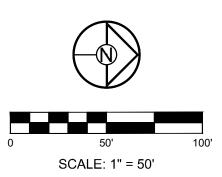
- 3. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL
- 4. ALL SERVICE LINES ARE TO BE 90° TO THE MAIN UNLESS OTHERWISE NOTED.
- 5. ALL SANITARY SEWER MANHOLES ARE 4' DIAMETER UNLESS OTHERWISE NOTED:



PROJECT BENCHMARK:

SW. CORNER NW. 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





		0 50'
		SCALE: 1" = 50'

BOUNDARY

	Structure Table	
Structure Name	Structure Northing	Structure Easting
A1	992504.4316	2818397.8530
A2	992667.0525	2818389.9810
А3	992969.0240	2818408.6667
EX 3-B	992465.0382	2818512.2921

Cleanout

Elev

990.79

986.24

2.00

0.00

3.00

2.00

2.00

2.00

6.00

986.49

987.79

984.57

982.84

983.24

985.04

Length (L.F.) Slope (%)

1.30

1.30

1.30

1.30

1.30

1.30

1.30

SANITARY CROSSING TABLE

15" HDPE

34B

35A

35B 36A

36B

50A

51B

51A

52B

52A

53B

53A

54B

54A

55B

55A

521.84

573.84

548.84

488.84

190.03

130.03

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' MMX TOP = 995.41 CONNECT TO EX. MH PER CITY DETAIL	STA. 1+21.03, LINE A STANDARD 4' MH TOP = 997.15 996.75	PROPOSED_	STA. 2+83.84, LINE A STANDARD 4. MH EXISTING GROUND			H	1010
1000	STA. STA. CONN.	STA. 1+2 STANDAR FOR 99	GRADE	STAN		S A A A A A A A A A A A A A A A A A A A	<u></u>	1000
990	8" WATER LINE FL = 991.38			15" HDPE STORI FL = 988.78	MLINE			990
980				TO T	302.55 LF			980
0708"	= = = = 1 EXISTING 121.03 LF PVC SDR-26 8" PVC SDR @ 0.99% @ 1.90% 1.31%	R-26	162.81 LF 8" PVC SDR-26 @ 1.04% 1.14%		8" PVC SDR-26 @ 0.90% 1.01%			970
960	224							960
950	FL OUT (NE) 977.32 FL IN (W) 977.82 FL IN (SW) 977.43 977.82	979.40 979.40 979.95 979.95		981.81 FL OUT (S) 982.31 FL IN (N) 982.51 981.98		985.03 985.24		950
940	X X					100		940
	0+00	1+00	2+00	3+00	4+00	5+00	6+00 6+	

Record Drawing

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Date: 10/18/2022
Certified by: RPM
Title: Design Engineer
Firm: Schlagel and Associates, P.A.

WN BY:	REVISION DATE	DESCRIPTION
	4-21-2020	CITY COMMENTS
7.5	0606-06-5 6	CITY COMMENTS
	0202-02-0	OLI I COMMETATO
KED BY:	3 01/12/2021	SCHLAGEL QUANTITIES
AAB	4 05/10/2021	SCH. REGRADE
REPARED	<u> 5</u> 06/03/2021	ESC SHEETS
0.000	1202/20/01	EX. MH 1-7 TIE IN
0-2020	1000/00/01	MU CALIBDATE
		TIAUTO IO LIM
NUMBER:	8 01/20/2022	WATER LINE CONFLICT
3-017	9 10/18/2022	AS-BUILTS

WOODLAND GLEN 2ND PLAT SANITARY SEWER MAIN EXTENSION

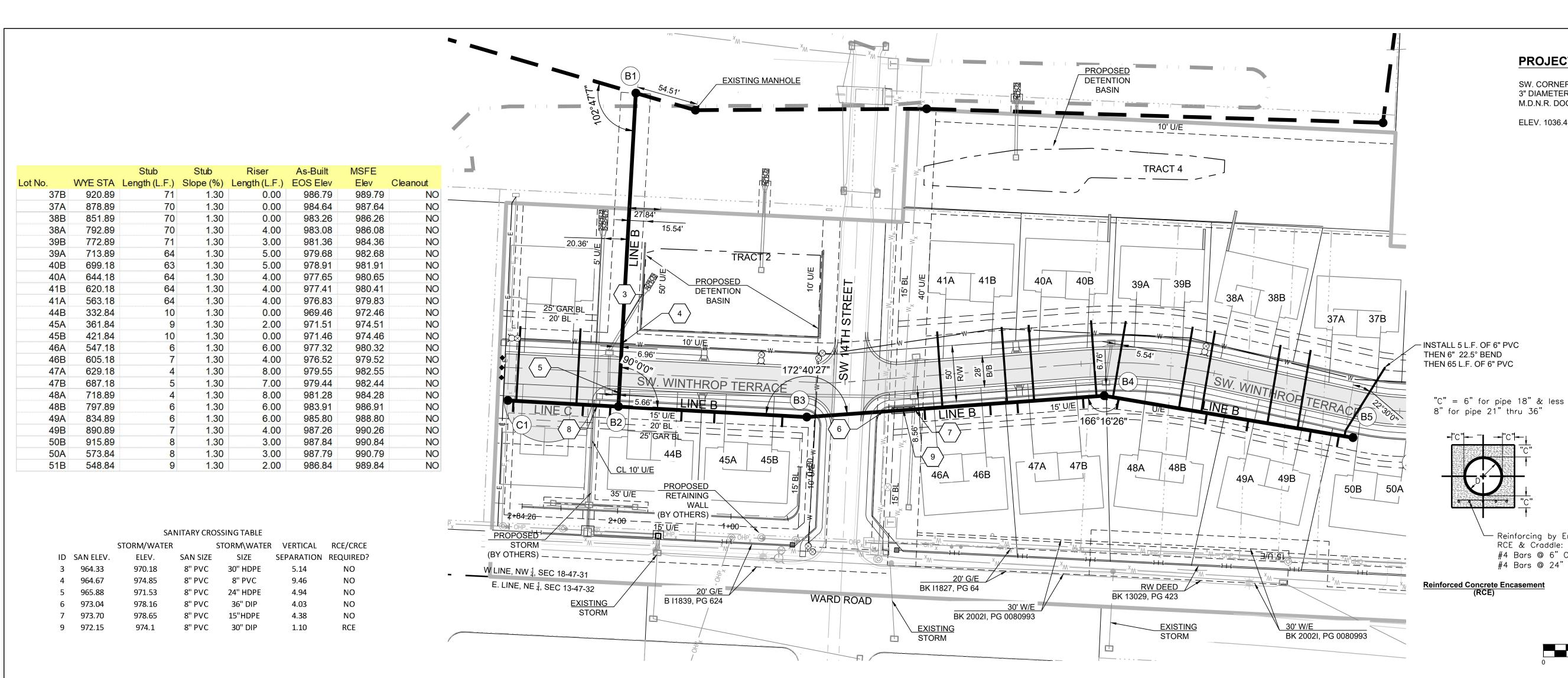
INTHROP DE MISSOURI

WARD ROAD AND W LEE'S SUMMIT

LINE A PLAN AND PROFILE

SHEET

9



PROJECT BENCHMARK:

Reinforcing by Engineer as follows:

#4 Bars @ 6" Ctrs. Longitudinally,

#4 Bars @ 24" Ctrs. Travsverse.

RCE & Craddle:

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

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- ALL SANITARY SEWER MANHOLES ARE 4' DIAMETER UNLESS OTHERWISE NOTED:



Record Drawing

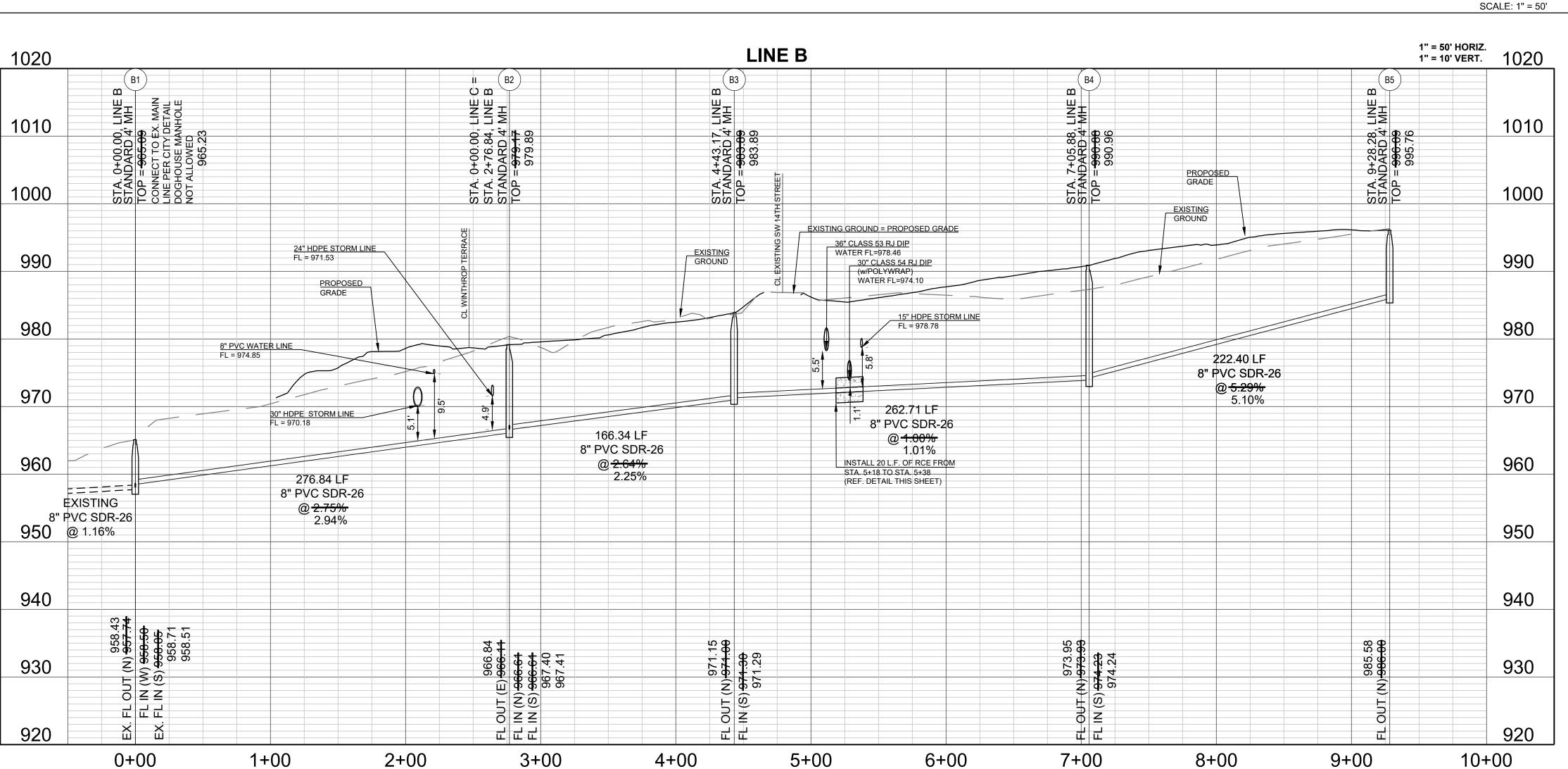
	Structure Table	
Structure Name	Structure Northing	Structure Easting
B1	993651.2313	2818718.4949
B2	993666.6637	2818442.0890
В3	993500.5868	2818432.8165
B4	993238.5614	2818451.7377
B5	993019.2687	2818414.6635

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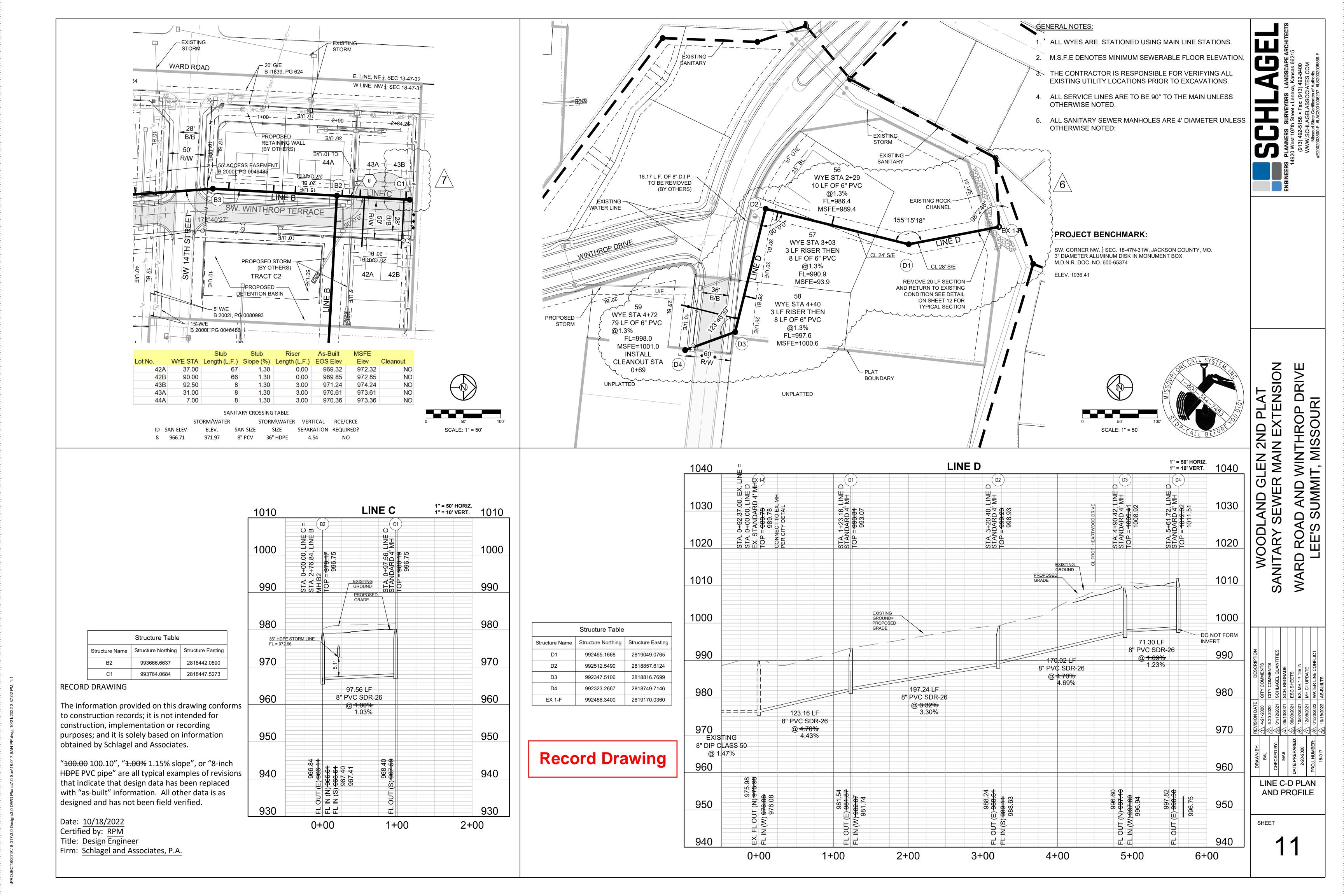
Date: 10/18/2022 Certified by: RPM Title: Design Engineer Firm: Schlagel and Associates, P.A.

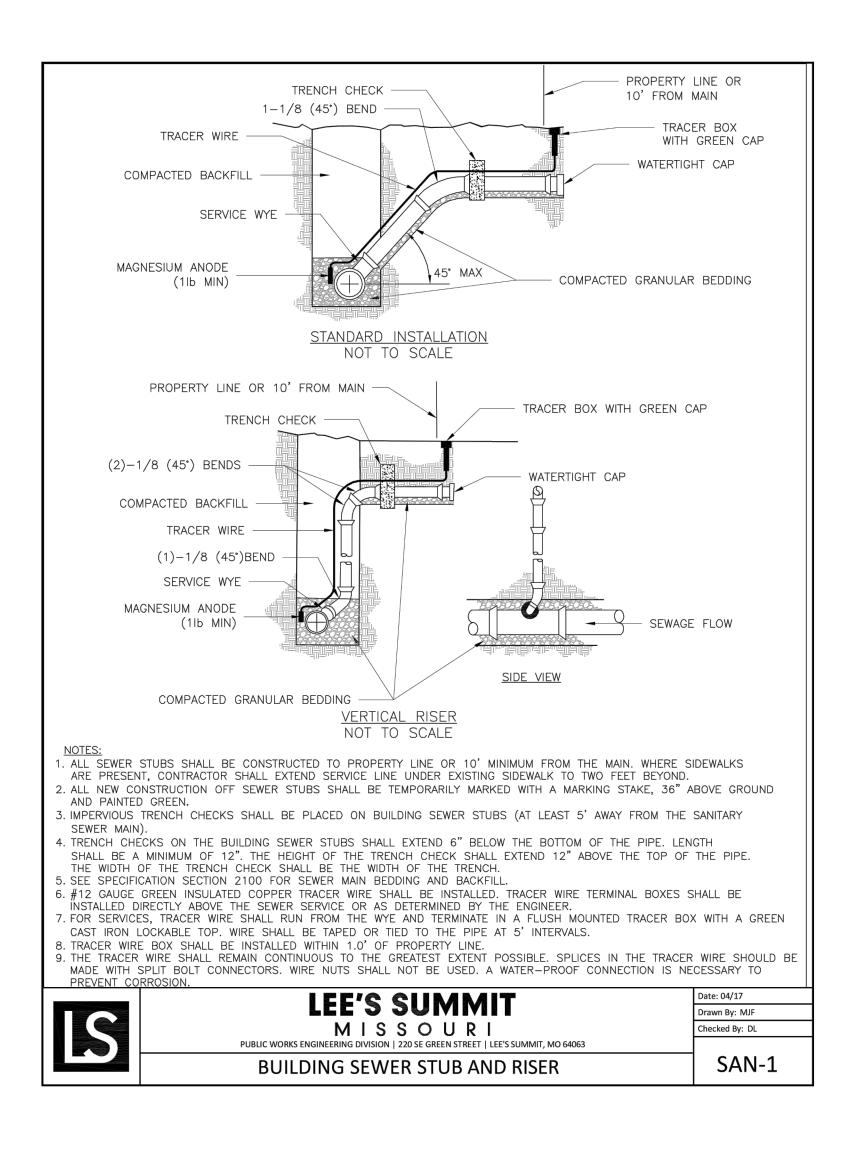


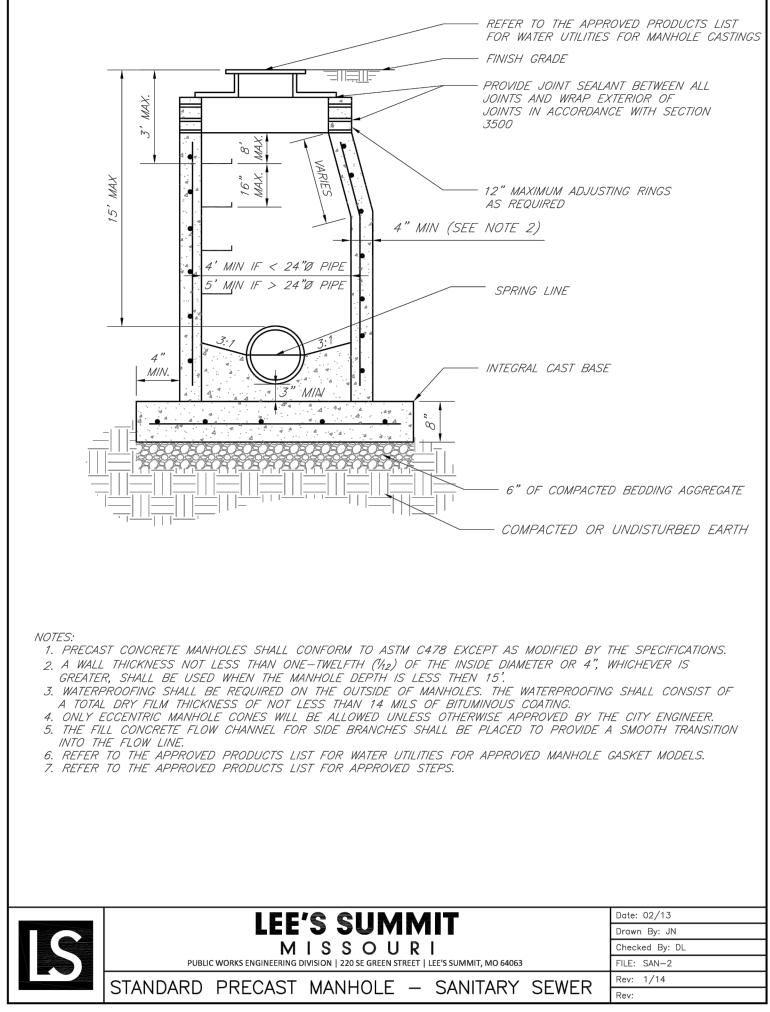
WOODLAND GLEN 2ND PLAT SANITARY SEWER MAIN EXTENSION $\frac{R}{\geq}$ HROP DI SSOURI WARD

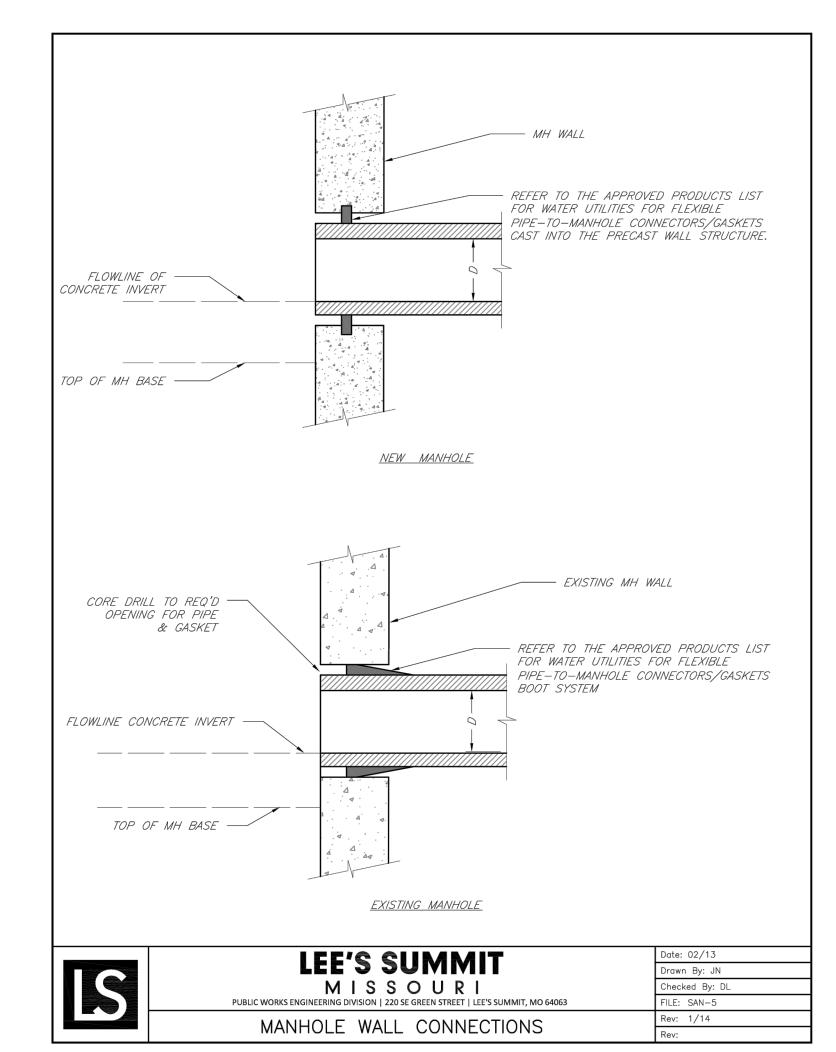
LINE B PLAN AND **PROFILE**

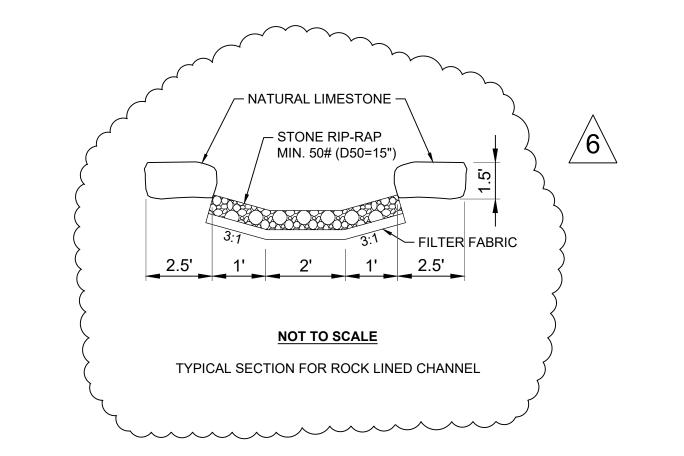
SHEET











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Date: 10/18/2022 Certified by: RPM Title: Design Engineer

Firm: Schlagel and Associates, P.A.

2ND PLAT IN EXTENSION WOODLAND GLEN 21 SANITARY SEWER MAIN WARD ROAD AND W LEE'S SUMMIT

DRAWN BY:	REVISION DATE	DESCRIPTION
BAI	4-21-2020	CITY COMMENTS
į	6-202-020	CITY COMMENTS
CHECKED BY:	/3\ 01/12/2021	3 01/12/2021 SCHLAGEL QUANTITIES
MAB	4 05/10/2021	SCH. REGRADE
DATE PREPARED:	1203/2021	ESC SHEETS
2-20-2020	1202/20/01	, 10/07/2021 EX. MH 1-7 TIE IN
0707.07.7	12/08/2021	, 12/08/2021 MH C1 UPDATE
PROJ. NUMBER:	8 01/20/2022	8 01/20/2022 WATER LINE CONFLICT
1		

SANITARY **DETAILS**

SHEET