——T<sub>x</sub>—— TELEPHONE LINE - EXIST. ELECTRIC LINE - EXISTING ----- OHP<sub>x</sub> ---- OVERHEAD POWER LINE - EXIST —— UGE, —— UNDERGROUND ELECTRIC - EX. GAS LINE - EXISTING WATERLINE - EXISTING LIGHT - EXISTING **EXISTING MANHOLE** CLEANOUT

**EXISTING SANITARY MANHOLE** 

PROPOSED SANITARY MANHOLE **EXISTING AREA INLET EXISTING CURB INLET** EXISTING GRATE INLET **EXISTING JUNCTION BOX EXISTING STORM MANHOLE** 

# PFIZER WAY NW1/4

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

SANITARY SEWER MAIN EXTENSION

**WOODLAND GLEN 2ND PLAT** 

# UTILITY CONTACTS:

MISSOURI DEPARTMENT OF TRANSPORTATION (MODOT) Steve Holloway 600 NE Colbern Road Lee's Summit, MO 64086

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

**LOCATION MAP** 

SCALE 1" = 2000'

MISSOURI GAS ENERGY (MGE) Brent Jones 3025 SE Clover Drive Lee's Summit, MO 64082 (816) 399-9633 brent.jones@spireenergy.com

KANSAS CITY POWER & LIGHT COMPANY (KCP&L) Ron Dejarnette 1300 SE Hamblin Road Lee's Summit, MO 64081 Office: (816) 347-4316 Cell: (816) 810-5234 ron.dejarnette@kcpl.com

CITY OF LEES SUMMIT PUBLIC WORKS Dena Mezger 220 SE Green Street Lee's Summit, MO 64063

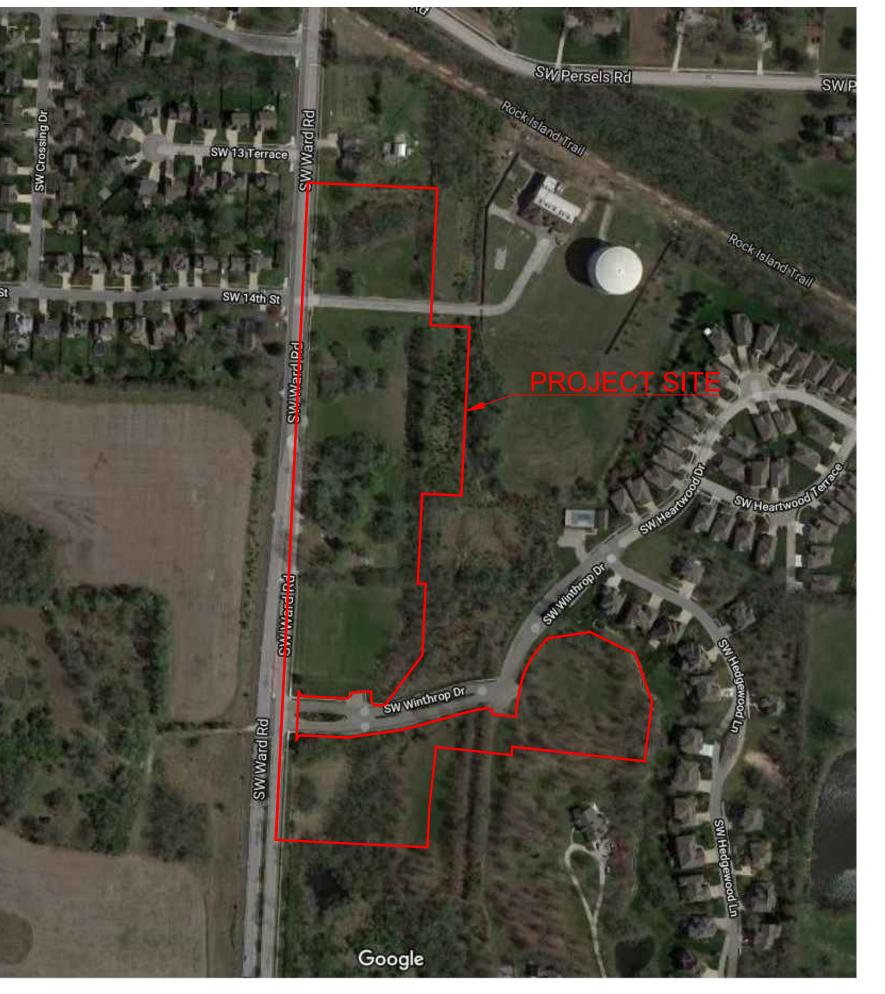
Mark Manion or Marty Loper 500 E. 8th Street, Room 370 Kansas City, MO 64106 (816) 275-2341 or (816) 275-1550

**COMCAST CABLE** Barbara Brown 3400 W. Duncan Road Blue Springs, MO 64015 (816) 795-2255

(816) 969-1800

(816) 969-1900

PUBLIC WATER SUPPLY DISTRICT Mark Schaufler 220 SE Green Street Lee's Summit, MO 64063



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

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

# **GENERAL NOTES:**

UTILITIES:

- 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.

- 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.
- 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).

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

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

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

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

ENCASEMENT OF THE STORM SEWER LINE SHALL BE REQUIRED 10 FEET IN EACH DIRECTION OF THE

TRENCH SPOILS SHALL BE NEATLY PLACED ONSITE ADJACENT TO THE TRENCH, AND COMPACTED TO

MAY BE WASTED ONSITE AT THE DIRECTION OF THE OWNER OR HIS APPOINTED REPRESENTATIVE.

PREVENT SATURATION AND EXCESS SEDIMENT RUNOFF. UNSUITABLE MATERIALS, EXCESS ROCK AND SHALE, ASPHALT, CONCRETE, TREES, BRUSH ETC. SHALL BE PROPERLY DISPOSED OF OFFSITE. MATERIALS

NOTIFY ENGINEER OF ANY DISCREPANCIES. PROVIDE SHOP DRAWINGS FOR ALL PRECAST AND

SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE UTILITY INSTALLATION.

CONNECTION TO ANY EXISTING MAIN.

	COVER
2	SAN EROS CONT PLAN
3	SAN EROS CONT PLAN
1	SAN EROS CONT PLAN
5	SAN EROS DET
6	SAN EROS DET
7	GENERAL LAYOUT
3	GRADING PLAN
)	LINE A PLAN AND PROFILE
0	LINE B PLAN AND PROFILE
1	LINE C-D PLAN AND PROFILE
2	SANITARY DETAILS

Sheet List Table

Sheet Title

# **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 based on information obtained by my firm}

"100.00 100.10", "1.00 "8-inch HDPE PVC pi examples of revisions design data has been "as-built" information. designed and has not

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

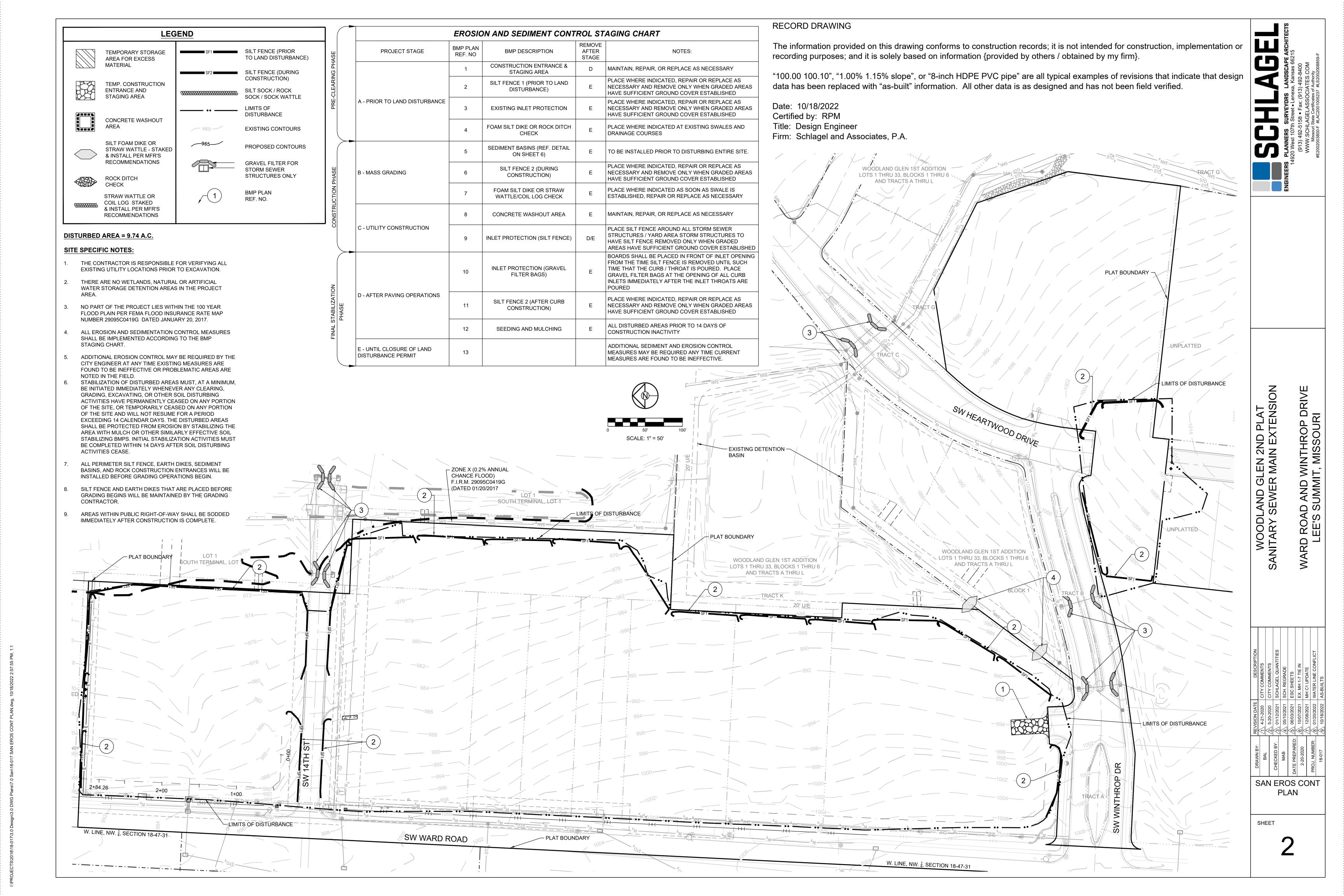
{provided by others /	DESCRIPTION	CITY COMMENTS	OMMENTS	SCHLAGEL QUANTITIES	
0% 1.15% slope", or		Ω	Ω	₹	2
pe" are all typical		Ę	Ë	몽	2
that indicate that	ATE	Ω.			
replaced with	ON D	4-21-2020	0-50	01/12/2021	70007071
All other data is as	REVISION DATE	<b>4-2</b>		ıl /	1l.
been field verified.	꿉		$\stackrel{\circ}{\sim}$	<u> </u>	<u> </u>
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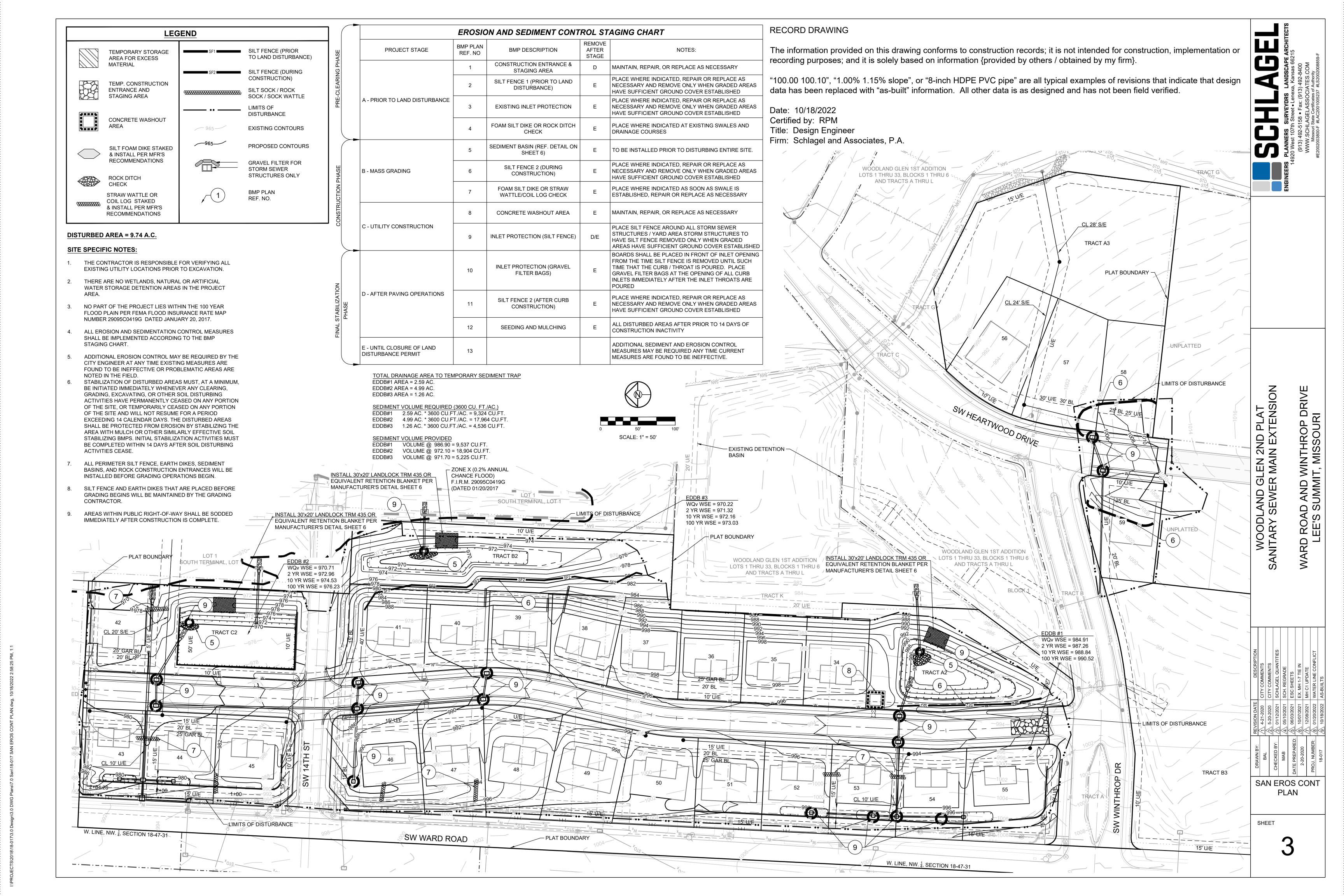
COVER

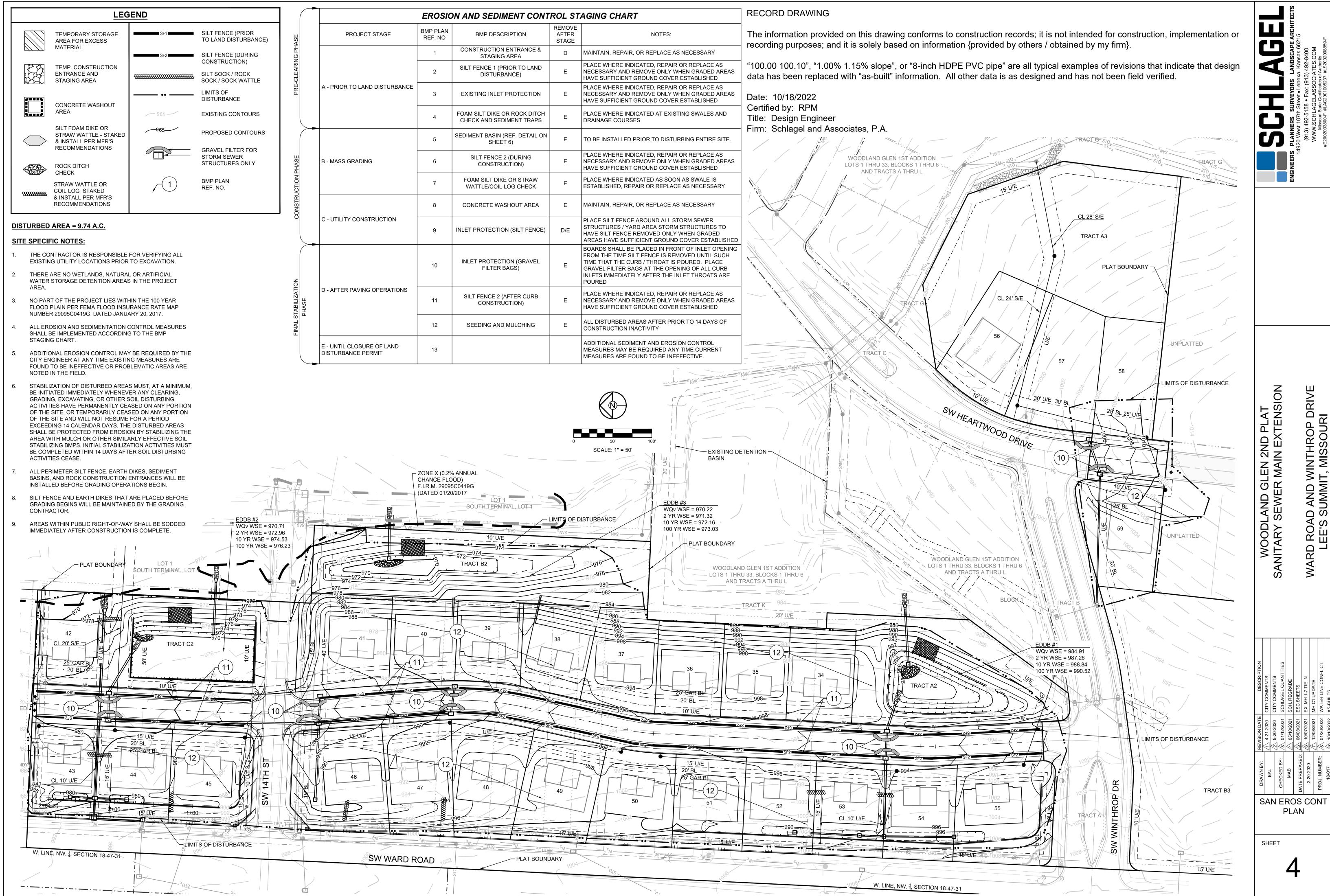
SION

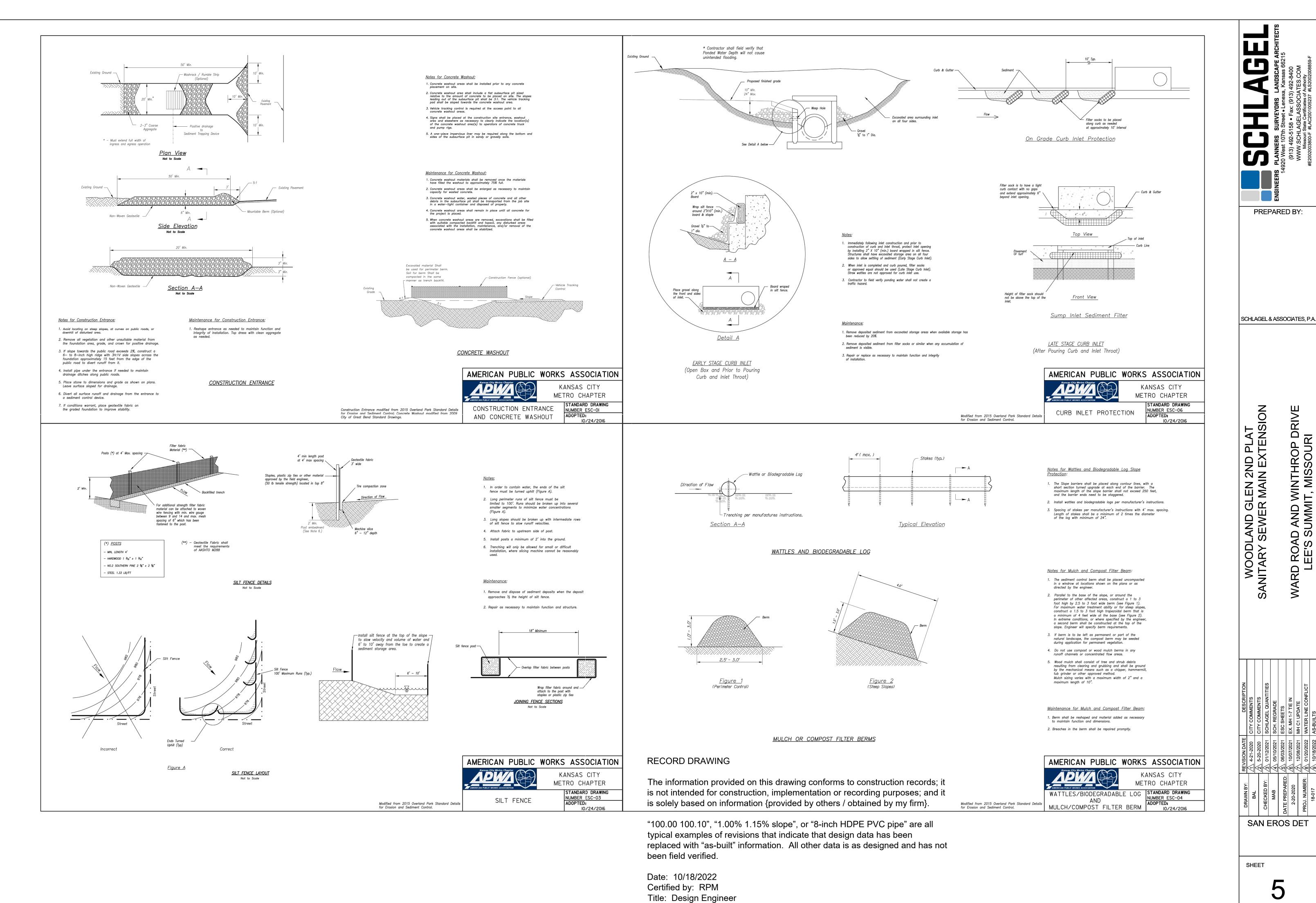
SHEET

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







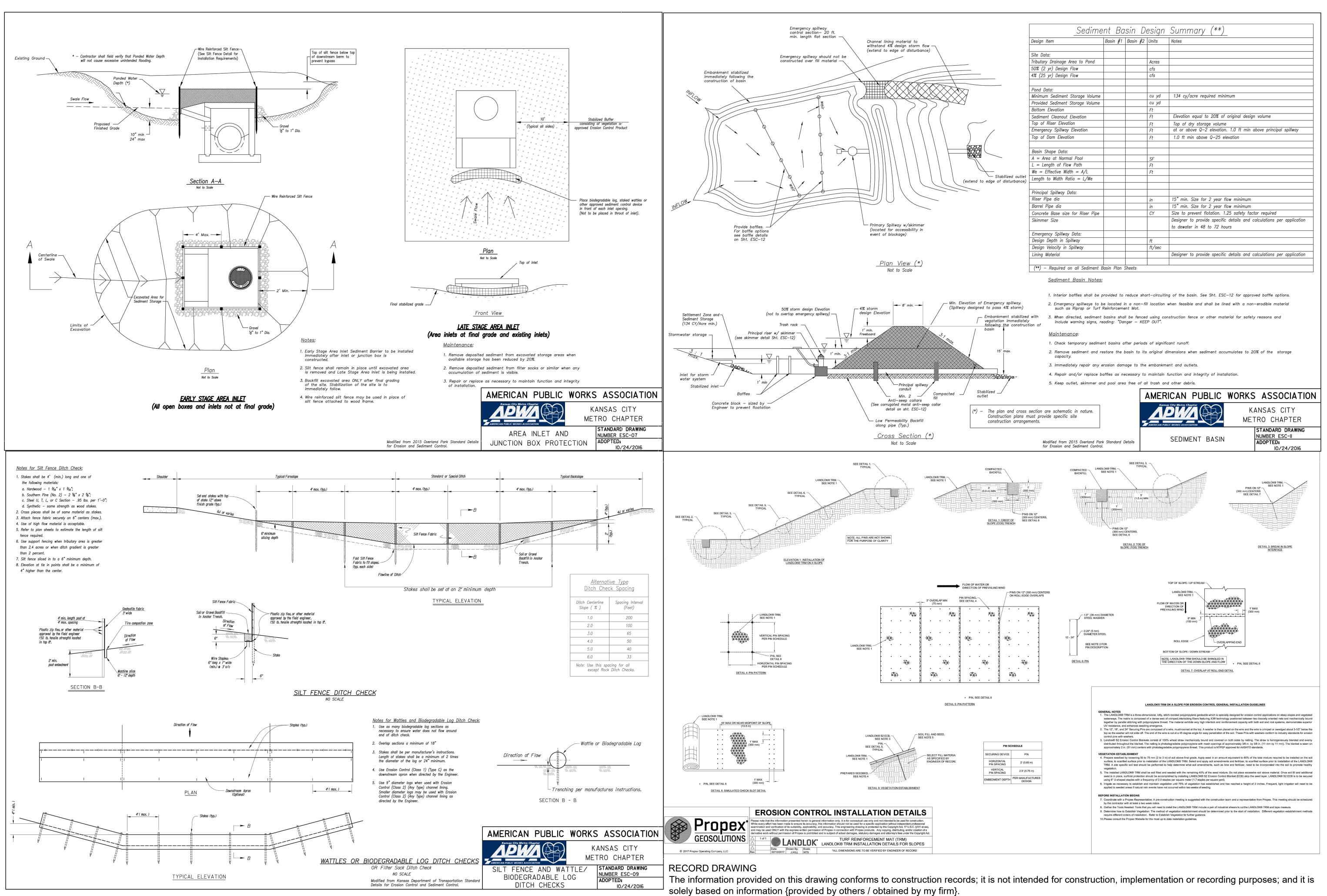


Firm: Schlagel and Associates, P.A.

DRIVE RI

ROAD AND VEE'S SUMMIT

WARD



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PREPARED BY:

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ROAD AND WI EE'S SUMMIT,

WARD

SCHLAGEL & ASSOCIATES, P.A.

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SHEET

"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

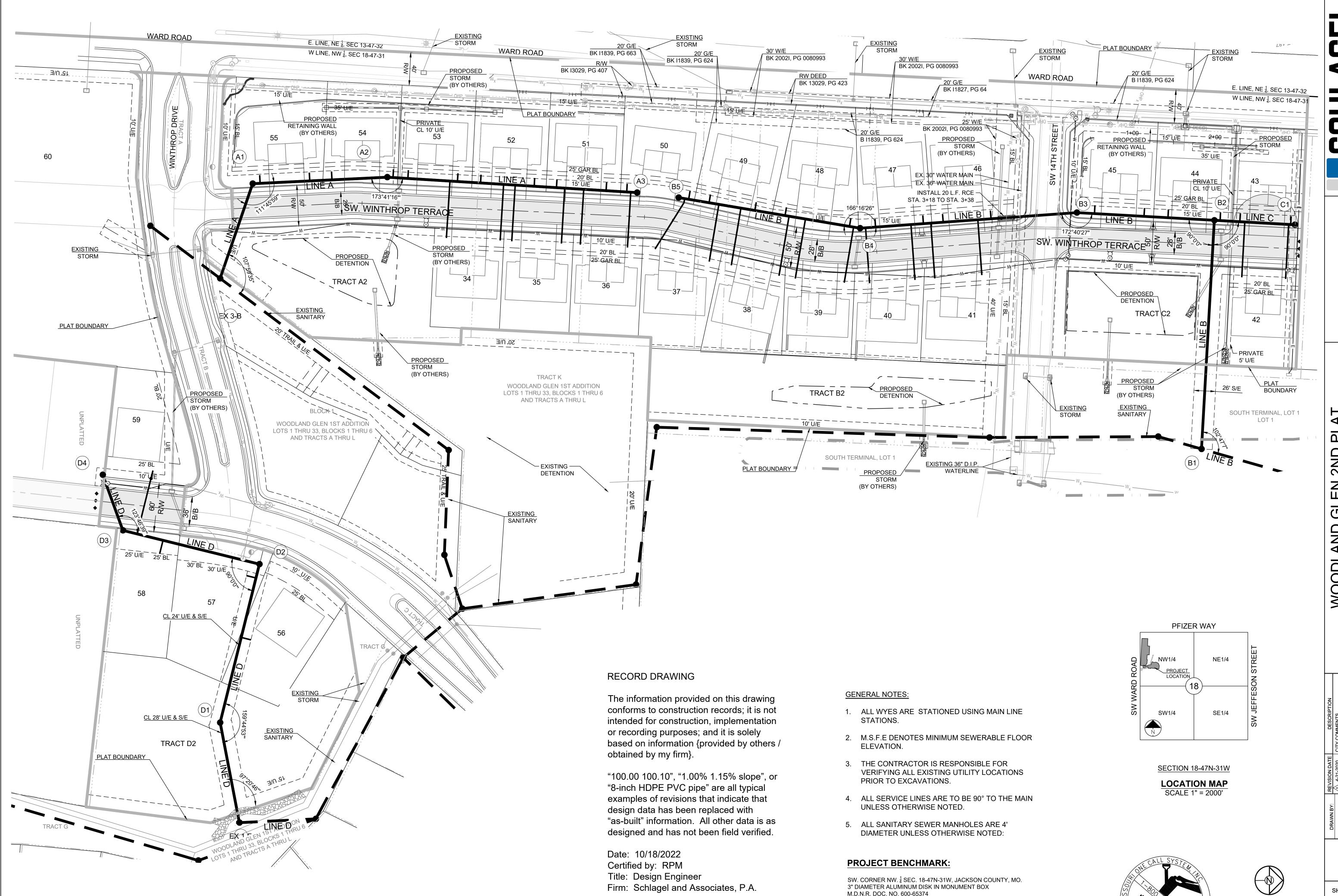
Title: Design Engineer

Firm: Schlagel and Associates, P.A.

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

Certified by: RPM

Date: 10/18/2022



ELEV. 1036.41

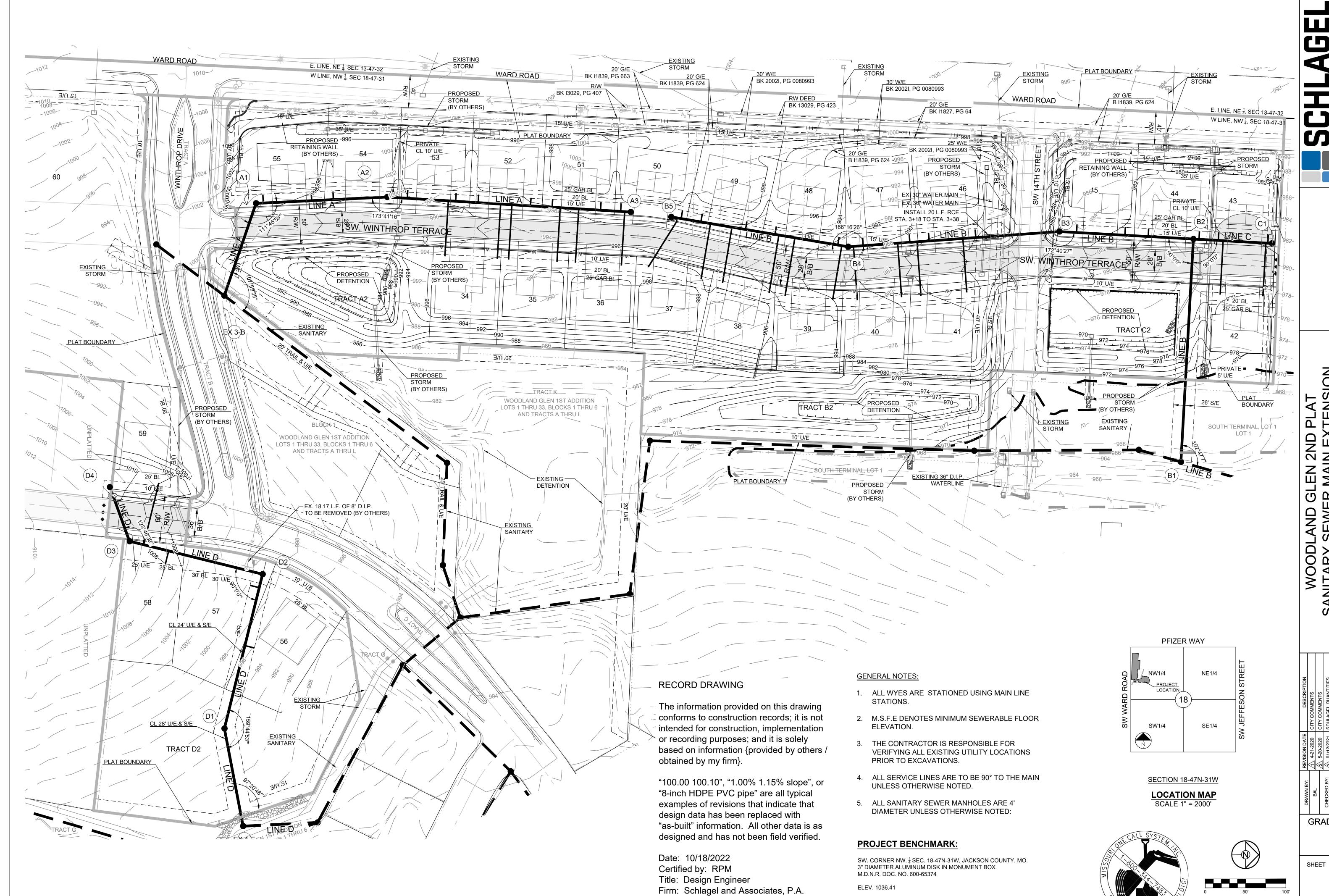
PLAT (TENSION VINTHROP DF 7, MISSOURI WOODLAND GLEN 21 SANITARY SEWER MAIN

GENERAL

LAYOUT

SHEET

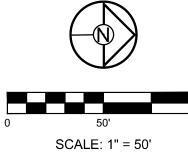
SCALE: 1" = 50'



SION WOODLAND GLEN 2ND PLA SANITARY SEWER MAIN EXTEN

ELEV. 1036.41





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IAAI			CHECKED BY:	MAB	DATE PREPARED:	0-00-00-0	0707-07-7	PROJ. NUMBER:	18-017
GI	R	Z	۸E	OIN	IG	Р	L/	۸N	

#### **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

INTHROP DE MISSOURI

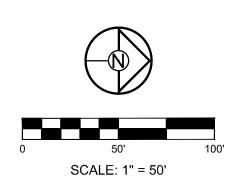
WARD ROAD AND W LEE'S SUMMIT

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





	Structure Table	
Structure Name	Structure Northing	Structure Easting
A1	992504.4316	2818397.8530
A2	992667.0525	2818389.9810
A3	992969.0240	2818408.6667
EX 3-B	992465.0382	2818512.2921

Length (L.F.) Slope (%)

1.30

1.30

1.30

1.30

1.30

1.30

SANITARY CROSSING TABLE

15" HDPE

2.00

0.00

3.00

2.00

2.00

2.00

6.00

34B

35A

35B 36A

36B

50A

51B

51A

52B

52A

53B

53A

54B

54A

55B

55A

521.84

573.84

548.84

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' MHX  FOP = 995.41  CONNECT TO EX. MH PER CITY DETAIL	1.03, 1.03, 1.45 6.75 6.75		A2	STA. 5+86.39, LINE A STANDARD 4' MH TOP = 996.34 996.19	1010
1000	STA. 5+4; STA. 0+0 EX. STAN FOP = 99 CONNECT PER CITY I	SOT TAN TOP TOP	PROPOSED GRADE	NON H THE OF H STAN THE OF H THE OF H T	SS H O D A A A A A A A A A A A A A A A A A A	1000
990	8" WATER LINE    FL = 991.38			15" HDPE STORM LINE FL = 988.78		990
980			162.81 LF	302.55 LF 8" PVC SDR-26 @ <del>0.90%</del>		980
	EXISTING 121.03 LF PVC SDR-26 8" PVC SDR-26 @ 0.99% 0.31%	3	8" PVC SDR-26 @ <del>1.04%</del> 1.14%	1.01%		970
960	27 du 27 28 28 28 28 28 28 28 28 28 28 28 28 28					960
950	977.32 EFL OUT (NE) <del>977.32</del> FL IN (W) <del>977.82</del> FL IN (SW) <del>977.43</del> 977.82	979.40 - OUT (E) <del>980.12</del> - IN (N) <del>980.62</del> 979.95		FL OUT (S) 981.81 PL OUT (S) 982.34 984.98 984.98 984.98	985.03 1T (S) <del>985.24</del>	950
940		14 H			FL OUT	940
	0+00	1+00	2+00	3+00 4+00 5+00	6+00 6+	50

BOUNDARY

## RECORD DRAWING

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

Firm: Schlagel and Associates, P.A.

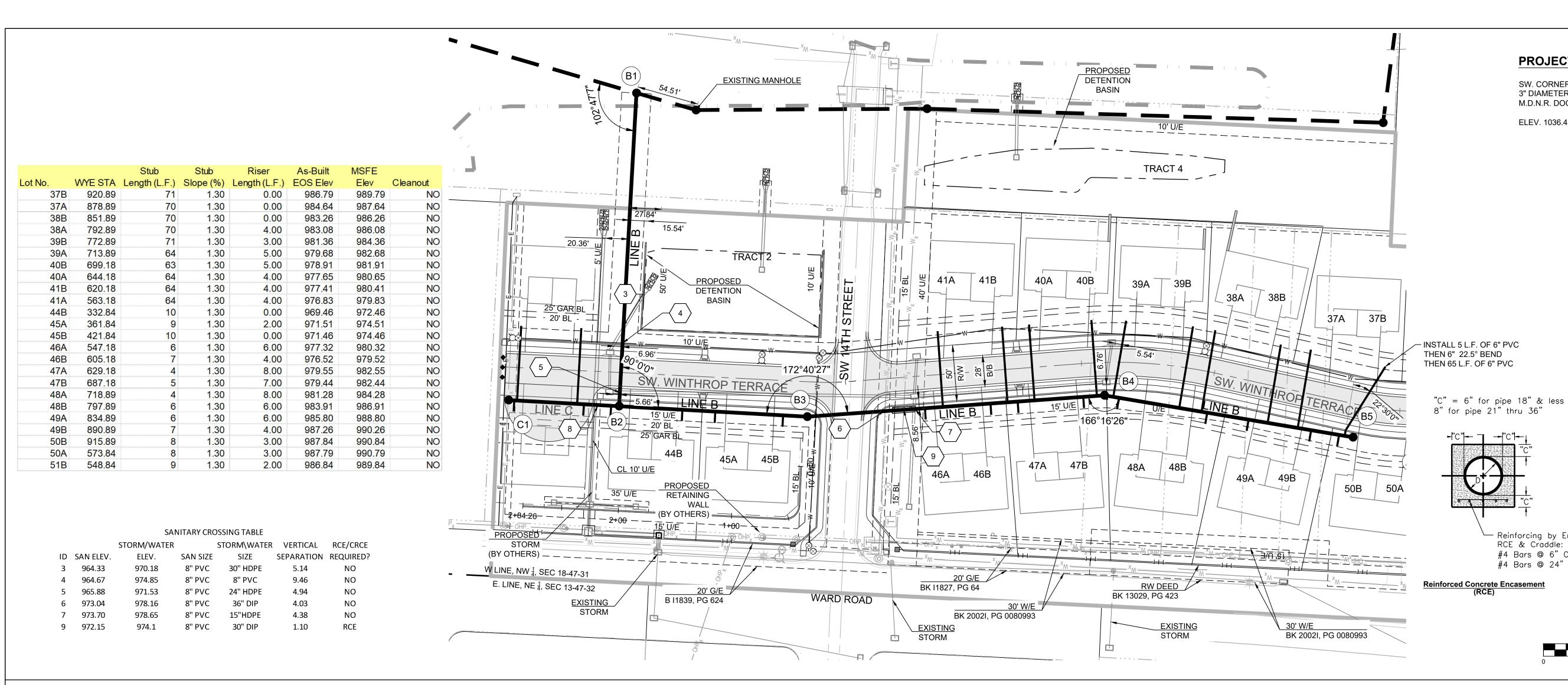
DRAWN BY:	REVISION DATE	DESCRIPTION
BAI	4-21-2020	CITY COMMENTS
į	5-20-2020	CITY COMMENTS
CHECKED BY:	/3\ 01/12/2021	SCHLAGEL QUANTITIES
MAB	4 05/10/2021	SCH. REGRADE
DATE PREPARED:	<u> </u> 06/03/2021	ESC SHEETS
2-20-2020	6 10/07/2021	EX. MH 1-7 TIE IN
2-2-2-2	12/08/2021	MH C1 UPDATE
PROJ. NUMBER:	8 01/20/2022	WATER LINE CONFLICT
18-017	4 10/18/2022 AS-BUILTS	AS-BUILTS

PROFILE

LINE A PLAN AND

SHEET

9



#### 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

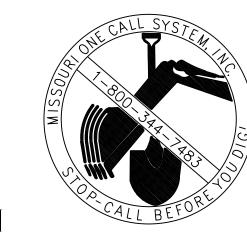
ELEV. 1036.41

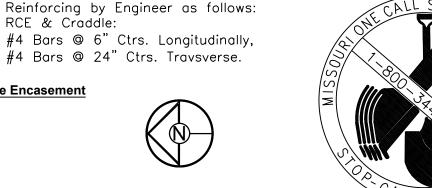
RCE & Craddle:

SCALE: 1" = 50'

#### **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:





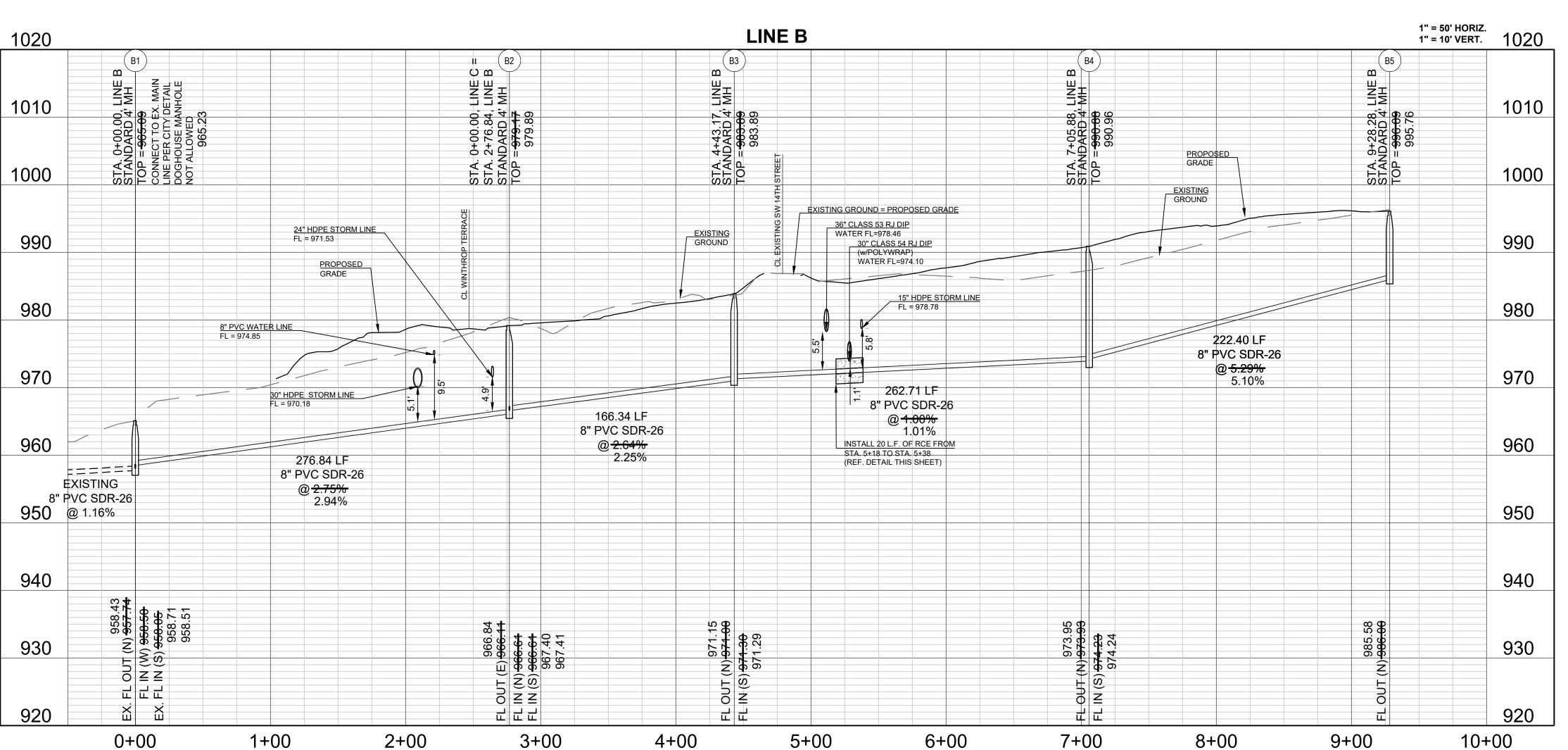
	Structure Table	
Structure Name	Structure Northing	Structure Easting
B1	993651.2313	2818718.4949
B2	993666.6637	2818442.0890
В3	993500.5868	2818432.8165
B4	993238.5614	2818451.7377
B5	993019.2687	2818414.6635

# RECORD DRAWING

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"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.

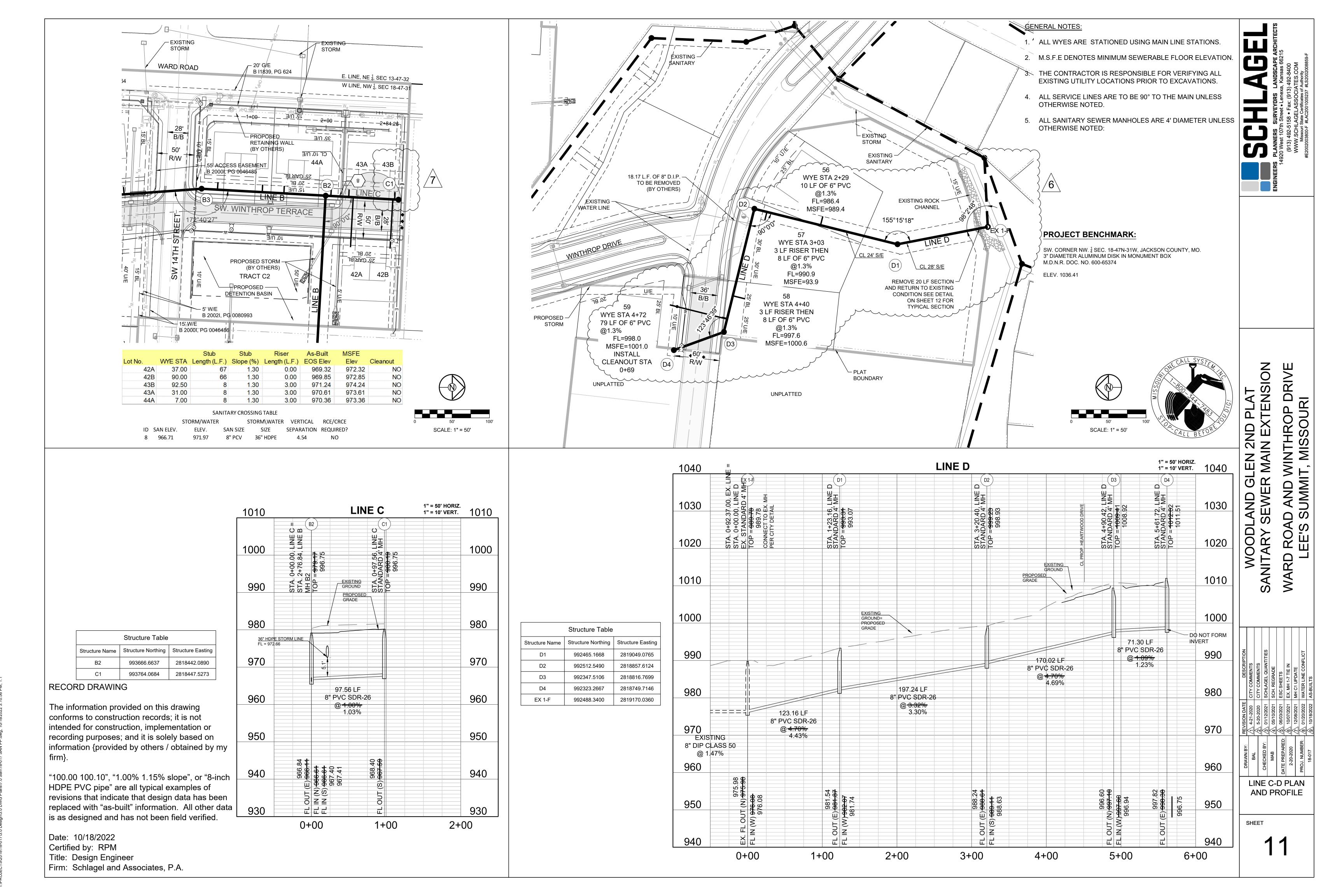


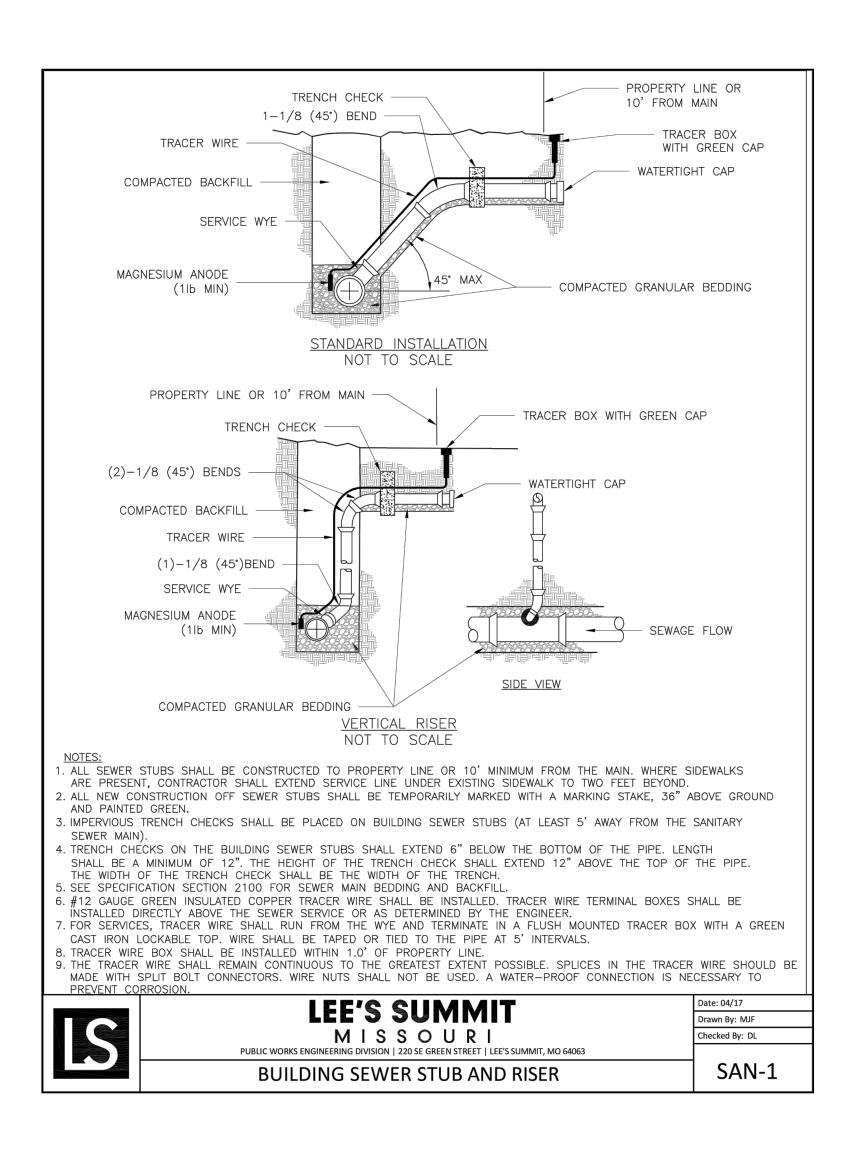
WOODLAND GLEN 2ND PLAT SANITARY SEWER MAIN EXTENSION  $\frac{R}{\geq}$ HROP DI SSOURI S ROAD AND WILEE'S SUMMIT, WARD

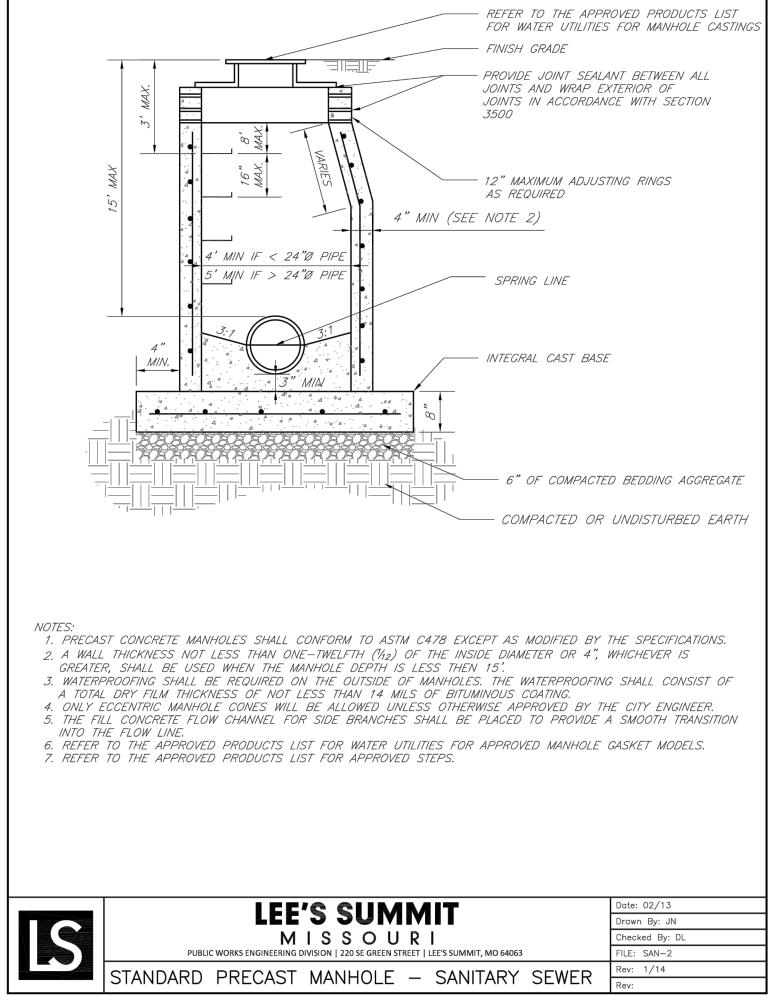
	<		OH THE OWNER
	<u> </u>	<u> </u>	CITY COMMENTS
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<b>m</b>	4	05/10/2021	SCH. REGRADE
PARFD	₹	06/03/2021	ESC SHEETS
020	<b>⊘</b>	10/07/2021	10/07/2021 EX. MH 1-7 TIE IN
020	<	12/08/2021	MH C1 UPDATE
MBER:		01/20/2022	01/20/2022 WATER LINE CONFLICT
	<b>6</b>	9 10/18/2022 AS-BUILTS	AS-BUILTS

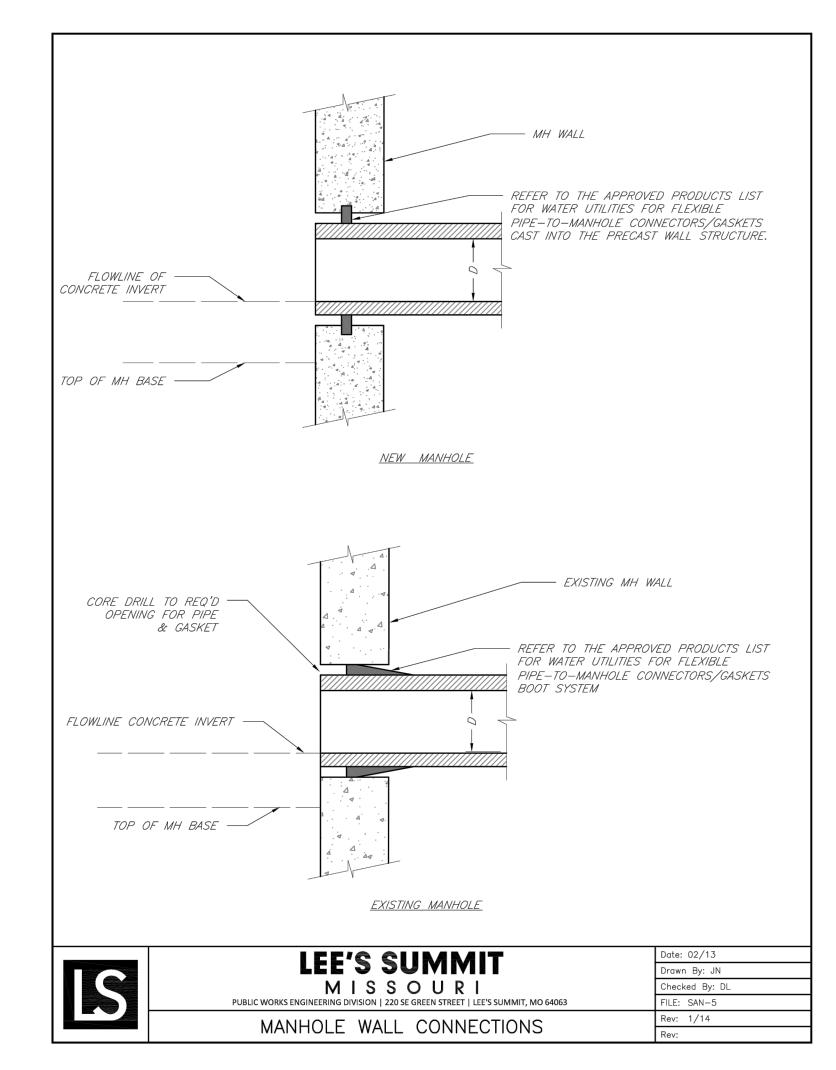
LINE B PLAN AND **PROFILE** 

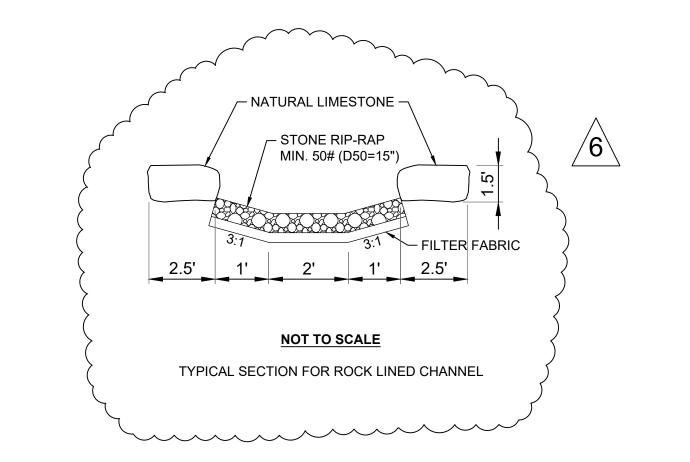
SHEET











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Date: 10/18/2022 Certified by: RPM Title: Design Engineer Firm: Schlagel and Associates, P.A. ENGINEERS PLANNERS SURVEYORS
14920 West 107th Street • Lene
(913) 492-5158 • Fax: (91
WWW.SCHLAGELASSOC
Missouri State Certificates
#E2002003800-F #LAC200100523

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

DRAWN BY:	REVISION DATE	DESCRIPTION
BAI	4-21-2020	CITY COMMENTS
300	0000 00 3 W	OTIVE MANAGEMENT
	0202-02-6 \27	CLI T COMMENTS
CHECKED BY:	/3/ 01/12/2021	SCHLAGEL QUANTITIES
MAB	4 05/10/2021 SCH. REGRADE	SCH. REGRADE
DATE PREPARED:	1203/2021	ESC SHEETS
2-20-2020	1202/20/01	, 10/07/2021 EX. MH 1-7 TIE IN
070707-7	12/08/2021	12/08/2021   MH C111DDATE
	12/00/2021	1 2 2
PROJ. NUMBER:	/8/ 01/20/2022	/8\ 01/20/2022   WATER LINE CONFLICT
18-017	A 10/18/2023 AS BI III TS	ST III TS

SANITARY DETAILS

SHEET

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