—— 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

SECTION 18-47N-31W

LOCATION MAP

SCALE 1" = 2000'

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 (816) 607-2186

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
	STANDARD 4' DIA. MANHOLE	13	EA
	8" PVC SDR-26	2160	LF
	6" PVC SDR-26	1615	LF
	8" X 6" WYE CONNECTION	48	EA
	EXTRA DEPTH IN MANHOLE	131	VF
	CLEANOUT	1	EA
	EROSION CONTROL	1	LS
)	BONDS	1	LS
	ROCK EXCAVATION (ESTIMATION)	500	CY
	CLEAR AND GRUB	1	LS
,	COMPACTION TESTING	1	LS
	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.
- 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).

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

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

SEPARATION FROM ALL STORM SEWER LINES. IF MINIMUM SEPARATIONS CAN NOT BE OBTAINED, CONCRETE

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.

APPROVED BY

CITY ENGINEER APPROVED FOR ONE YEAR FROM THIS DATE

Sheet List Table

COVER

Sheet Title

SAN EROS CONT PLAN

SAN EROS CONT PLAN

SAN EROS CONT PLAN

LINE A PLAN AND PROFILE

LINE B PLAN AND PROFILE

LINE C-D PLAN AND PROFILE

SAN EROS DET

SAN EROS DET

GENERAL LAYOUT

SANITARY DETAILS

GRADING PLAN

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. 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

TRENCH CHECKS TO BE INSTALL ON ALL SANITARY SEWER SERVICE LINES

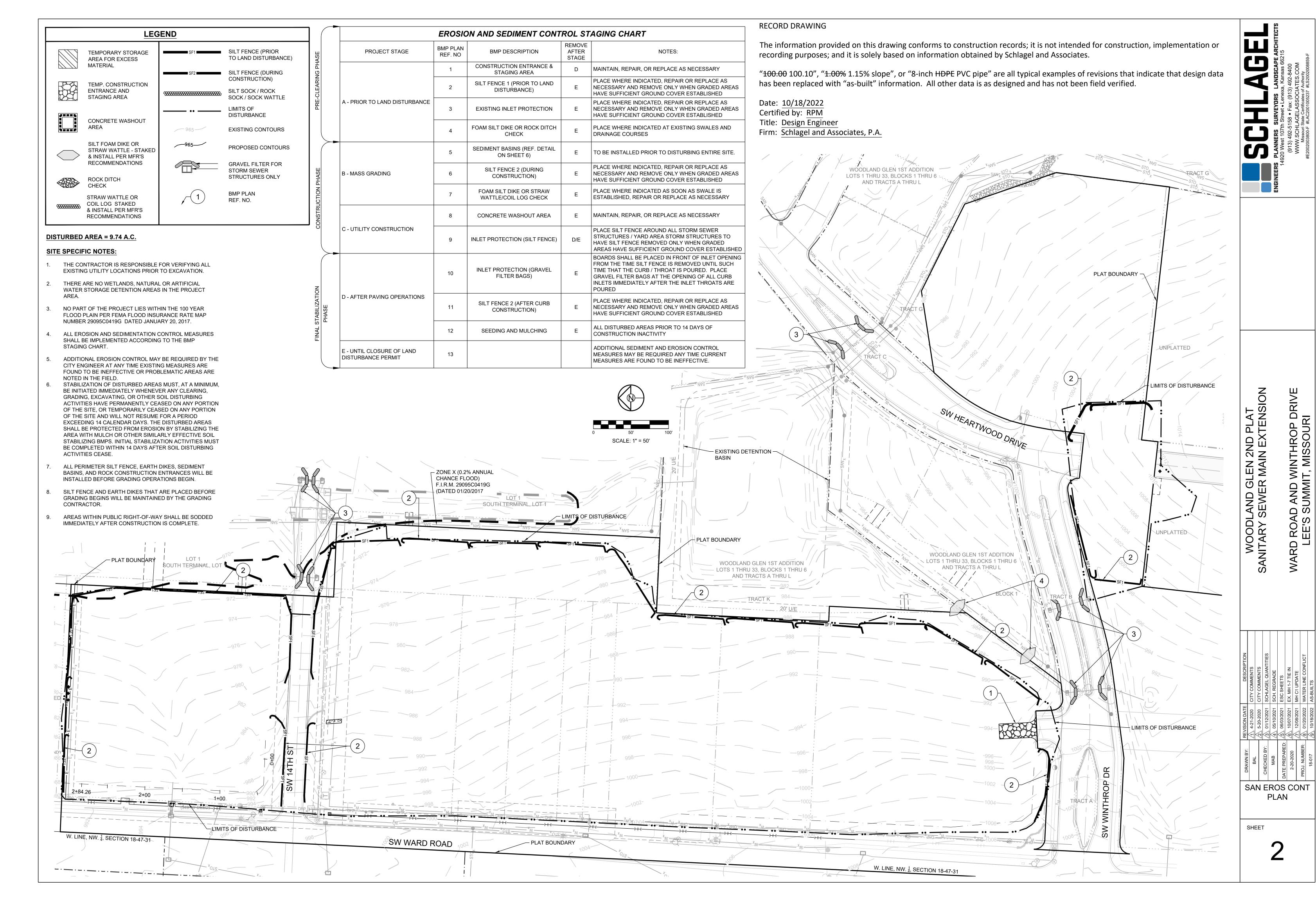
IN ACCORDANCE WITH CITY OF LEES

SUMMIT STANDARDS.

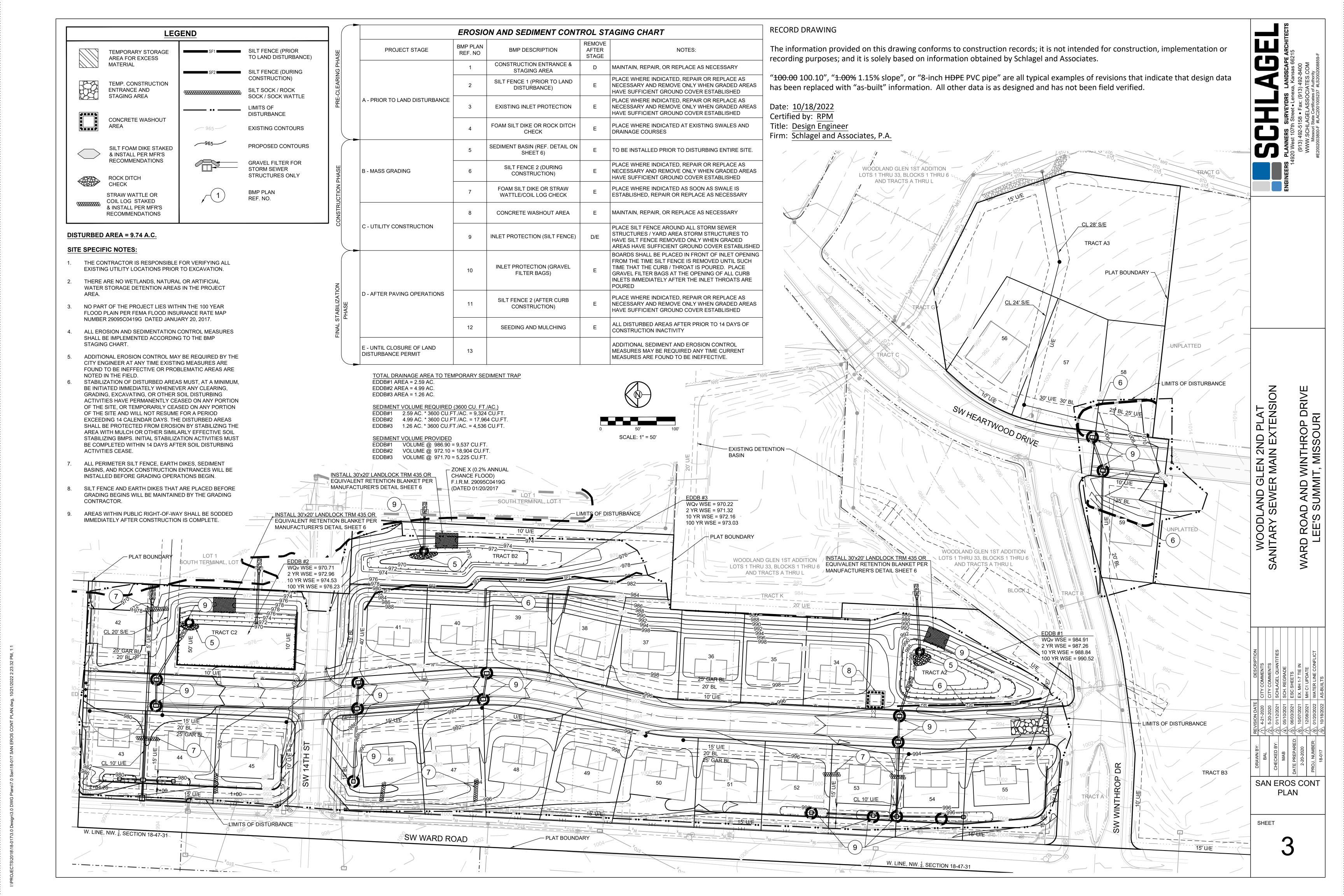


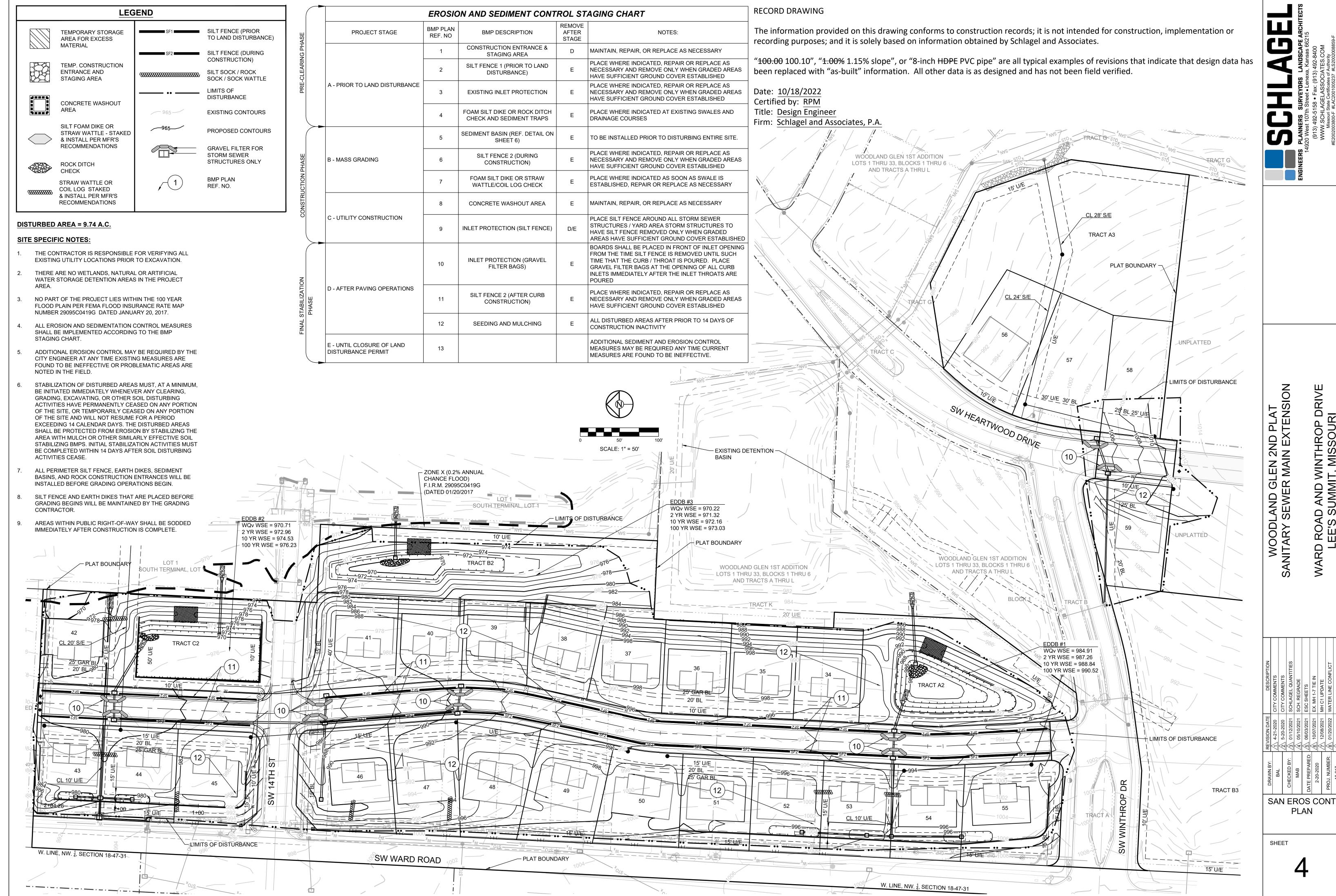
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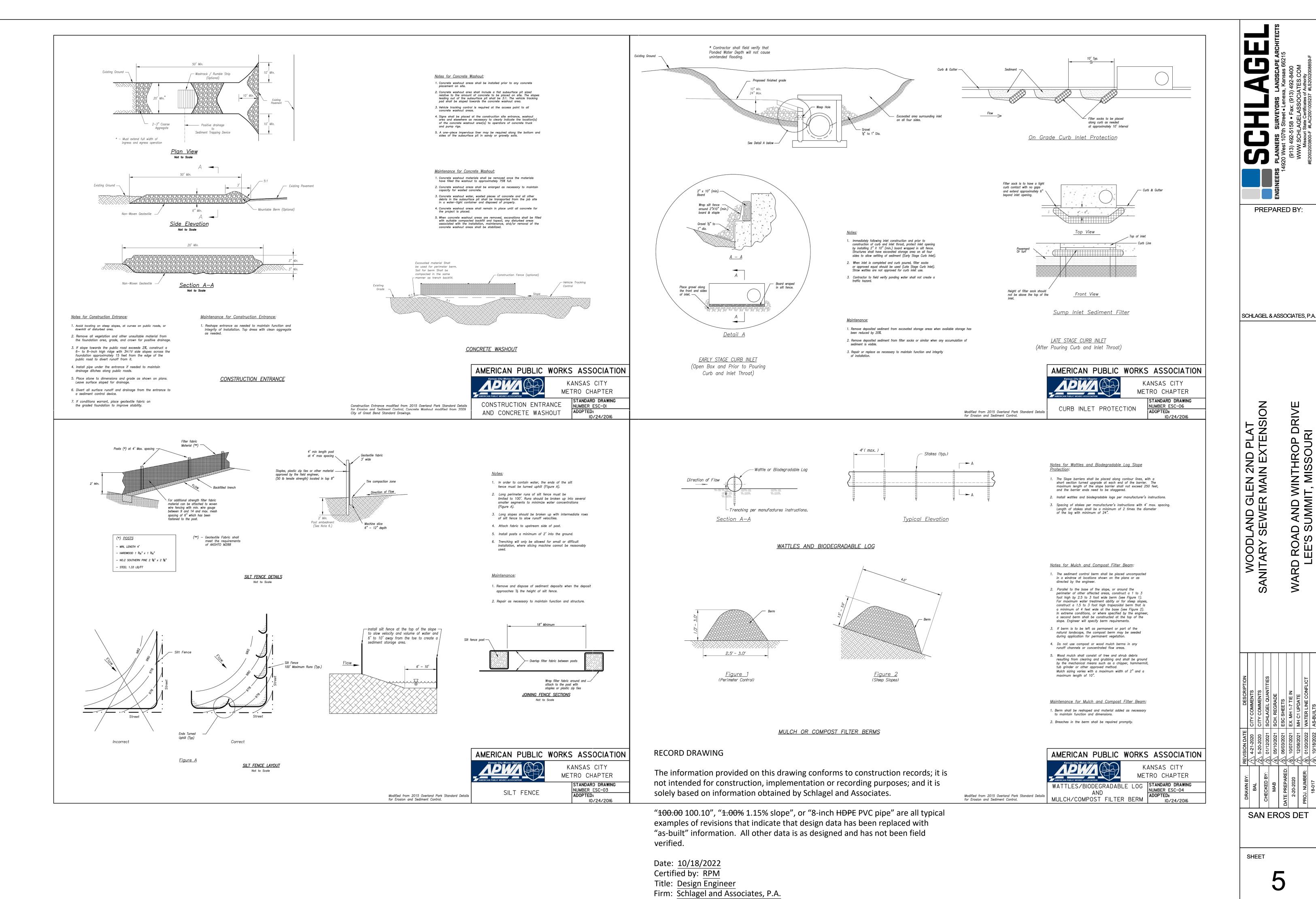


7\3.0 Design\3.0 DWG Plans\7.0 San\18-017 SAN EROS CONT PLAN.dwg, 10/21/2022 2:22:58 PM, 1:1





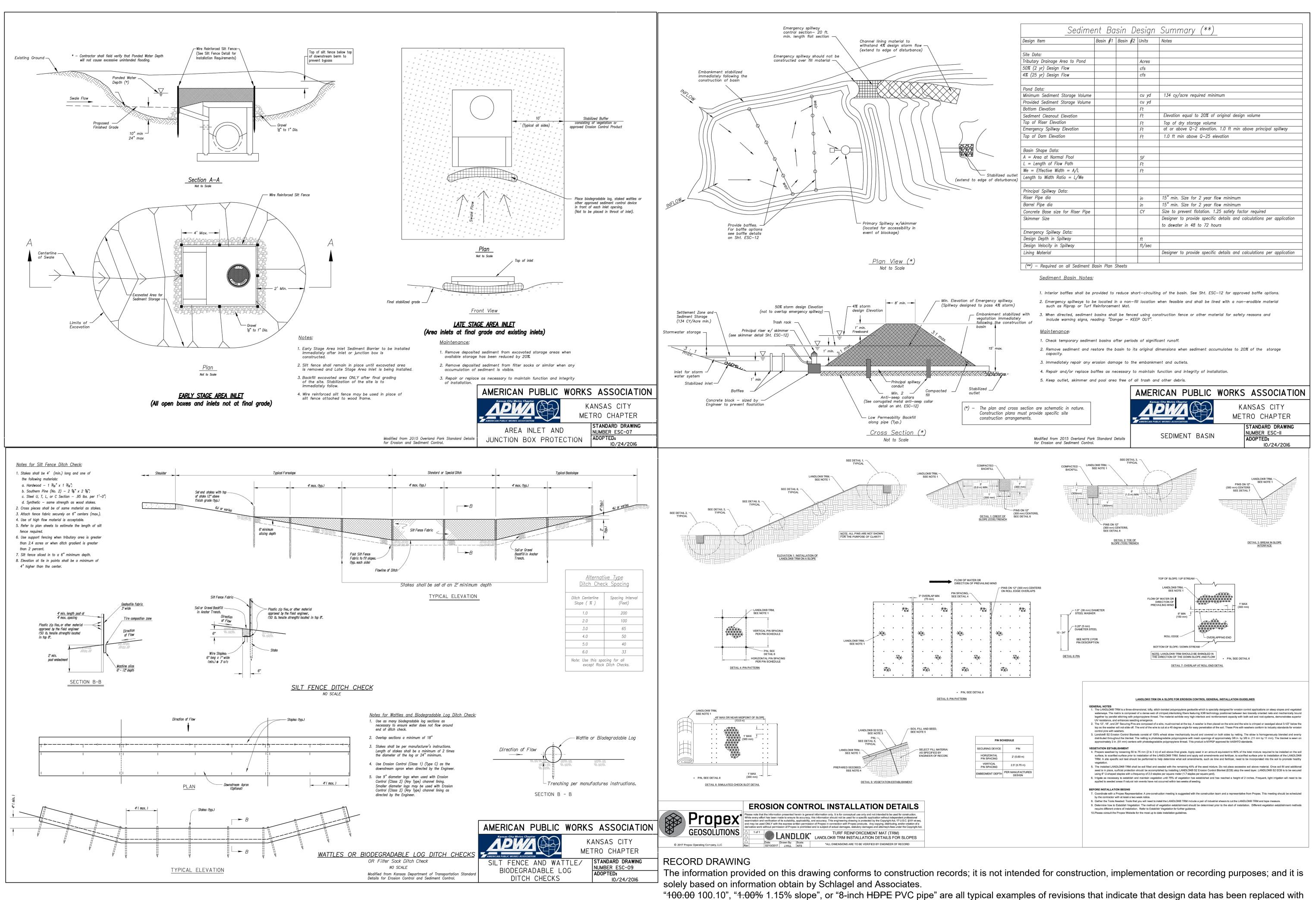
ROAD AND WI EE'S SUMMIT,



DRIVE RI

ROAD AND VEE'S SUMMIT

WARD



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

Title: Design Engineer

Firm: Schlagel and Associates, P.A.

Certified by: RPM

Date: 10/18/2022

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PREPARED BY:

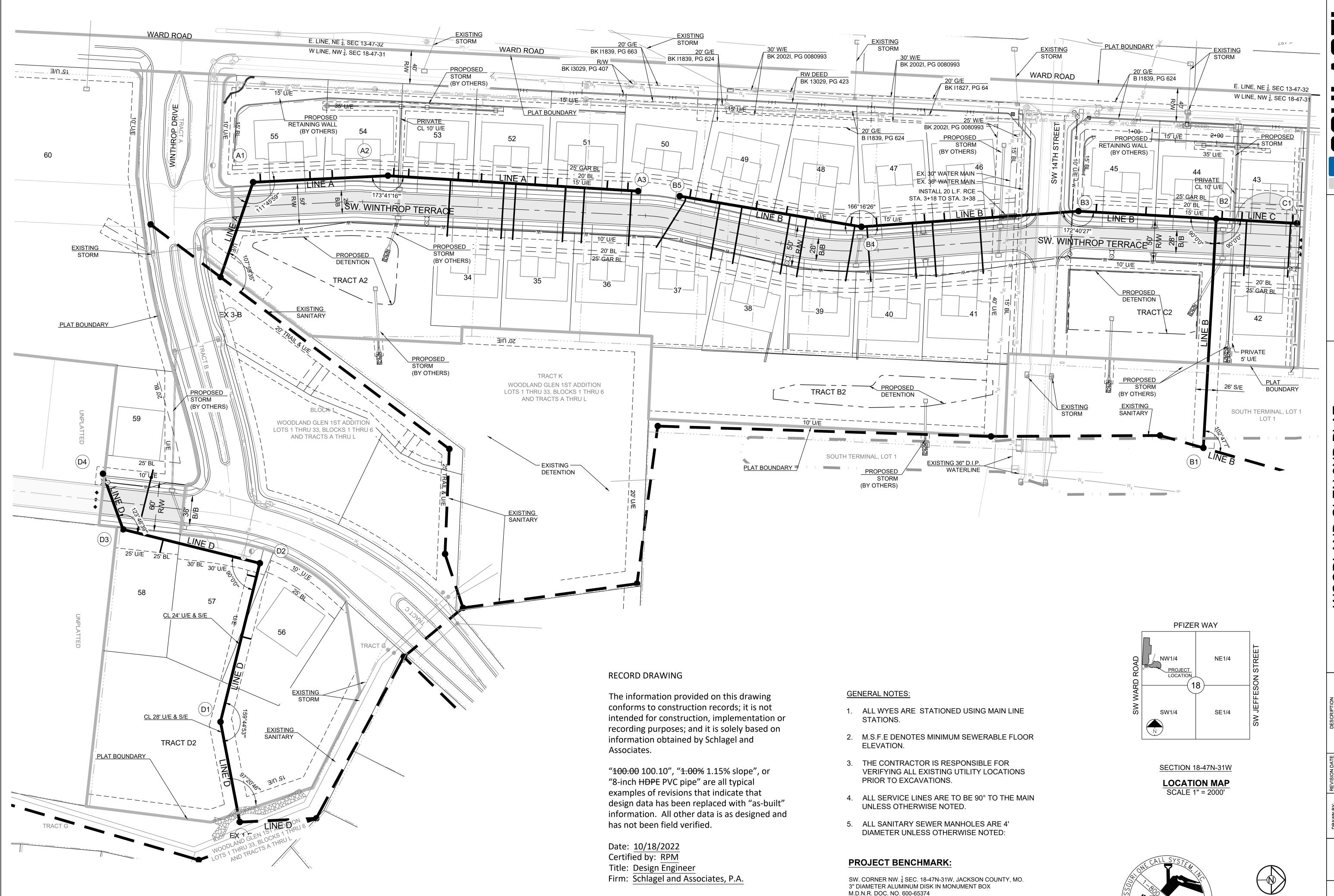
SCHLAGEL & ASSOCIATES, P.A.

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ROAD AND WI EE'S SUMMIT,

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ELEV. 1036.41

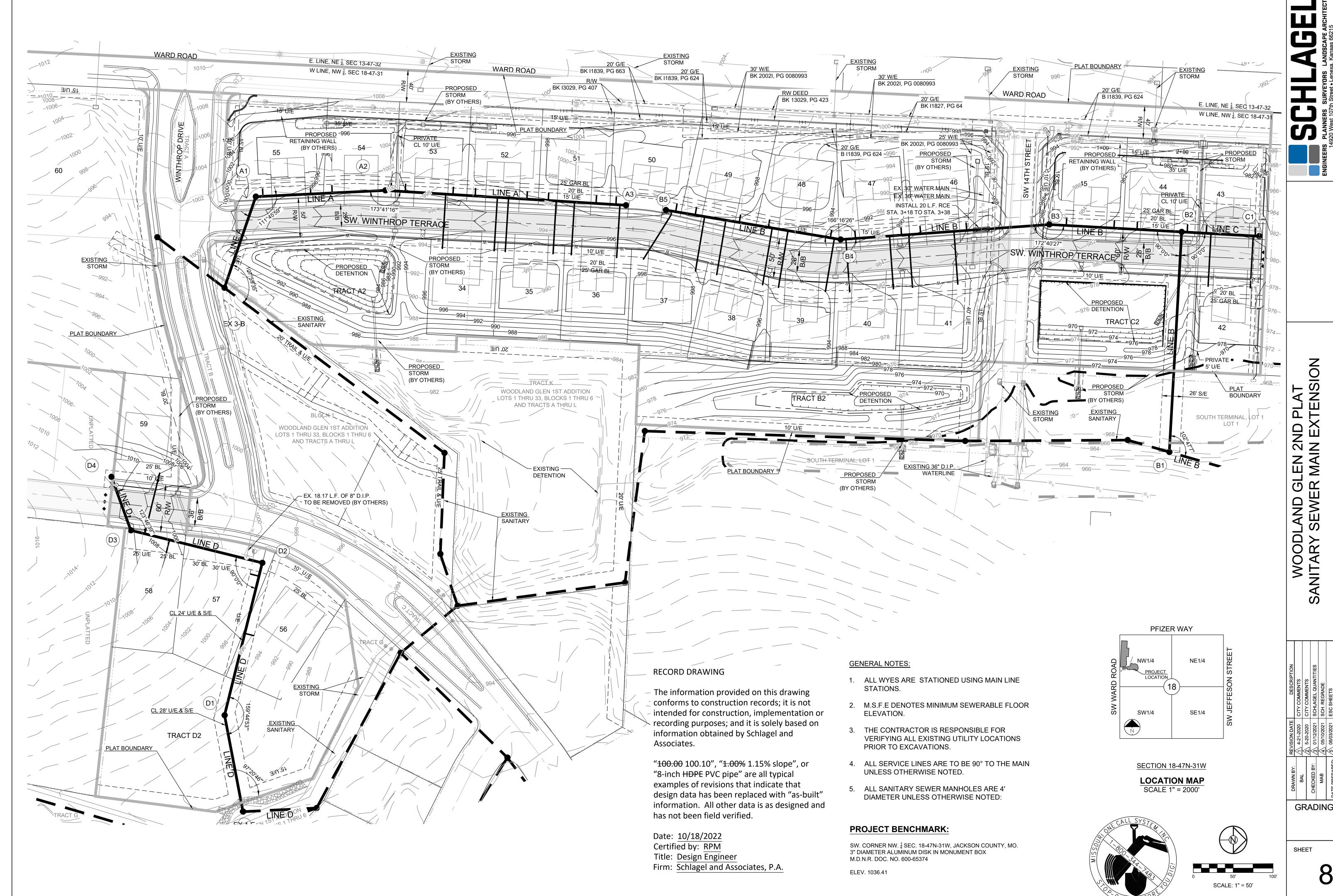
PLAT (TENSION VINTHROP DF 7, MISSOURI WOODLAND GLEN 21 SANITARY SEWER MAIN

	· ·	
BAI	<u>/1</u> \ 4-21-2020	CITY COMMENTS
		OTIVE CONTRACTOR
	72\ 5-40-4040	CITY COMMENTS
ECKED BY:	/3\ 01/12/2021	SCHLAGEL QUANTITIES
MAB	4 05/10/2021	SCH. REGRADE
PREPARED	1202/202/	ESC SHEETS
000000	10/01/2021	EX. MH 1-7 TIE IN
-20-2020	__	TH 4 GG - 70 - 114
	1202/80/21	MH CT UPDATE
J. NUMBER:	/8\ 01/20/2022	WATER LINE CONFLICT
18-017	9 10/18/2022	AS-BUILTS

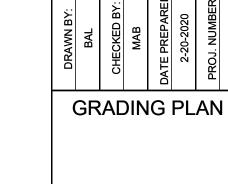
CHE DATE | **GENERAL** LAYOUT

SHEET

SCALE: 1" = 50'







BOUNDARY

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.

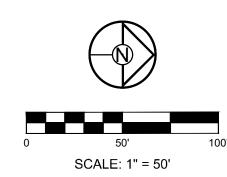
- 3. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL
- 4. ALL SERVICE LINES ARE TO BE 90° TO THE MAIN UNLESS OTHERWISE NOTED.
- 5. ALL SANITARY SEWER MANHOLES ARE 4' DIAMETER UNLESS OTHERWISE NOTED:



PROJECT BENCHMARK:

SW. CORNER NW. \(\frac{1}{4}\) 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





0	50'	100'
	SCALE: 1" = 50'	

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				

Elev

990.79

986.24

2.00

0.00

3.00

2.00

2.00

2.00

6.00

985.92

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' MHXX TOP = 995.44 CONNECT TO EX. MH PER CITY DETAIL		PROPOSED_	A2 HW PARDARD 4. HW PARDARD 6. 666 9. EXISTING GROUND GROUND		STA. 5+86.39, LINE A STANDARD 4' MH FOP = 996.34 996.19	1010
1000	S A T A	NO H O TAA O TAA	GRADE	NATA O TANA		S T A A A A A A A A A A A A A A A A A A	1000
990				15" HDPE STORM LIN FL = 988.78	IE .		990
980			162.81 LF 8" PVC SDR-26	LO L	302.55 LF 8" PVC SDR-26 @ 0.90% 1.01%		980
970 ^{8"}	EXISTING 8" PVC SDR-26 @ 1.99% 1.31%	0	@ 1.04% 1.14%				970
960							960
950	FL IN (W) 977.32 FL IN (W) 977.82 FL IN (SW) 977.43 977.43	979.40 OUT (E) 980.12 IN (N) 980.62 979.95		981.81 FL OUT (S) 982.34 FL IN (N) 982.51 981.98		7 (S) 985.24	950
940						FLOUT	940
	0+00 1	1+00	2+00	3+00	4+00 5+00	6+00 6+5	DU

RECORD DRAWING

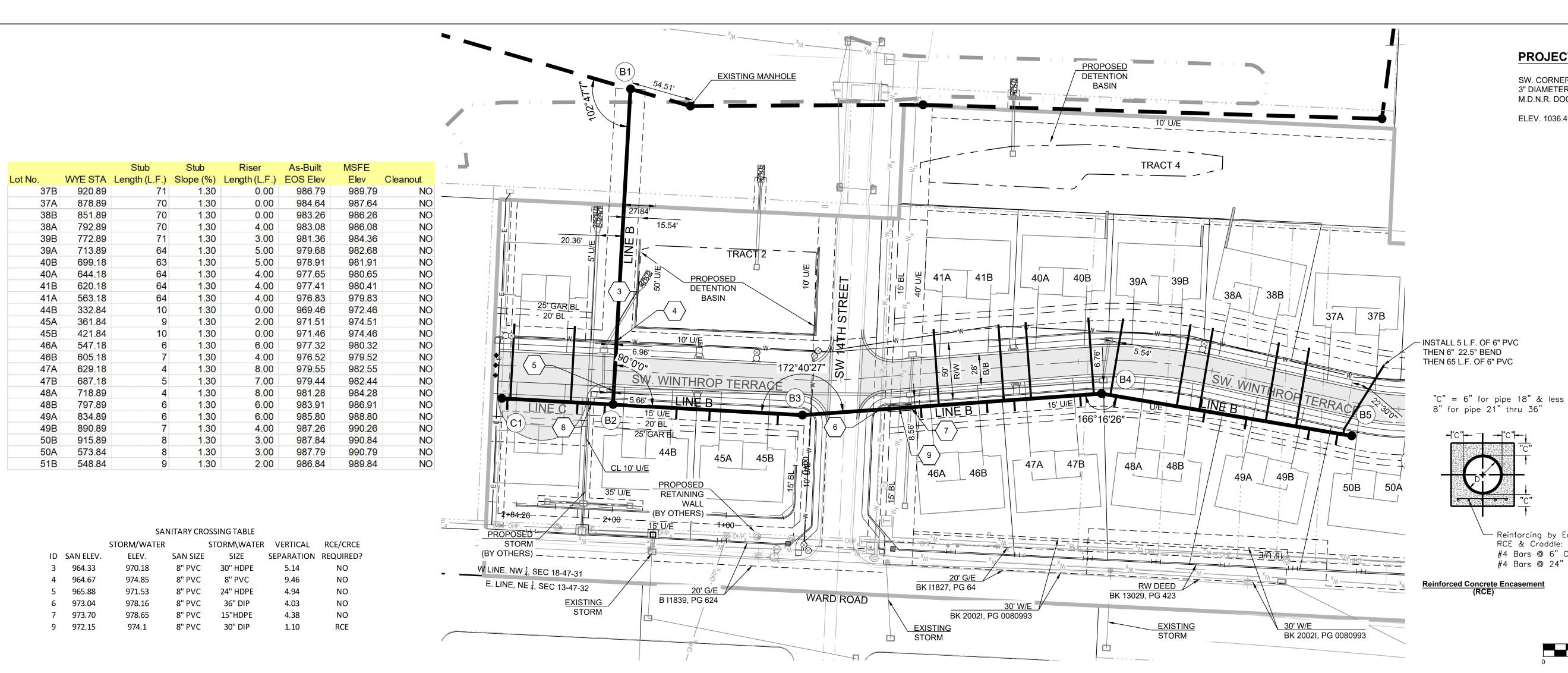
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Date: 10/18/2022 Certified by: RPM Title: Design Engineer Firm: Schlagel and Associates, P.A.

			SANITARY SEWER MAIN EXTENSION			WARD ROAD AND WINTHROP DRIVE			
DESCRIPTION	4-21-2020 CITY COMMENTS	2 5-20-2020 CITY COMMENTS	3 01/12/2021 SCHLAGEL QUANTITIES	4 05/10/2021 SCH. REGRADE	<u>√5</u> 06/03/2021 ESC SHEETS	, 10/07/2021 EX. MH 1-7 TIE IN	, 12/08/2021 MH C1 UPDATE	8 01/20/2022 WATER LINE CONFLICT	9 10/18/2022 AS-BUILTS
REVISION DATE			Ţ	_	_	_	7	22	2

LINE A PLAN AND **PROFILE**



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

GENERAL NOTES:

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- 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 @ 6" Ctrs. Longitudinally, #4 Bars @ 24" Ctrs. Travsverse.

RCE & Craddle:

Reinforcing by Engineer as follows:

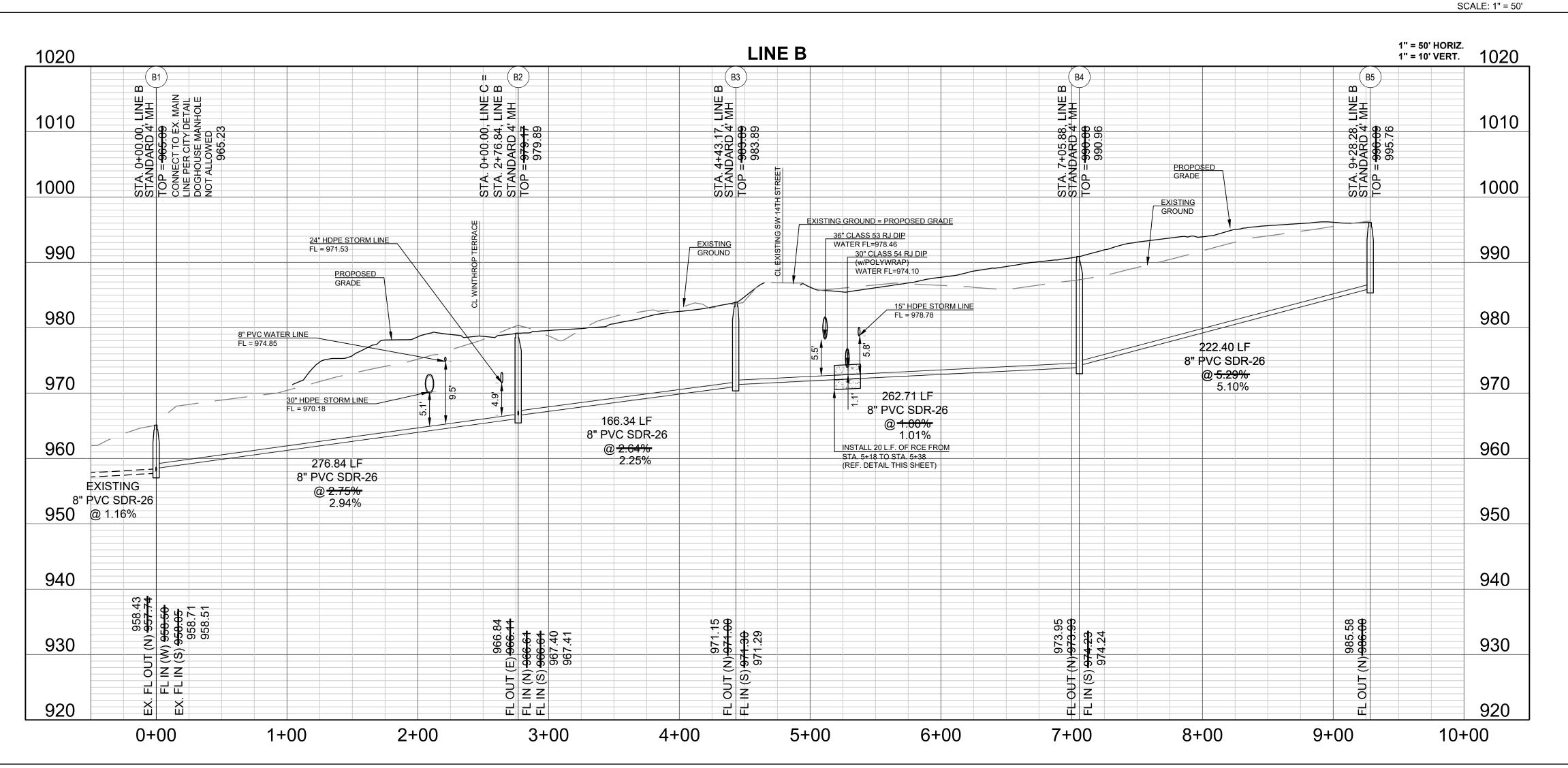
Structure Table Structure Northing | Structure Easting Structure Name 2818718.4949 993651.2313 B1 2818442.0890 993666.6637 B2 2818432.8165 B3 993500.5868 993238.5614 2818451.7377 B4 993019.2687 2818414.6635

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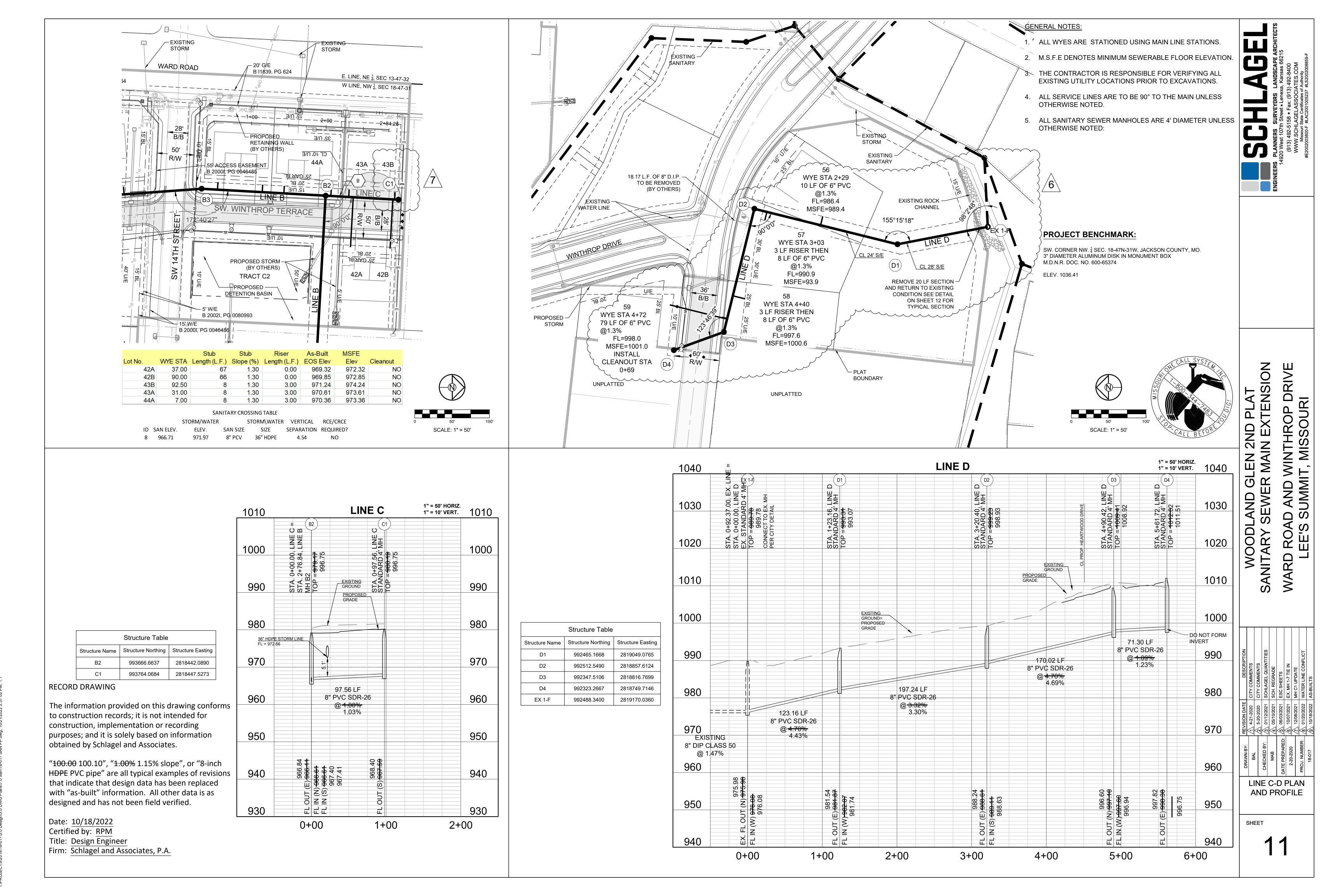
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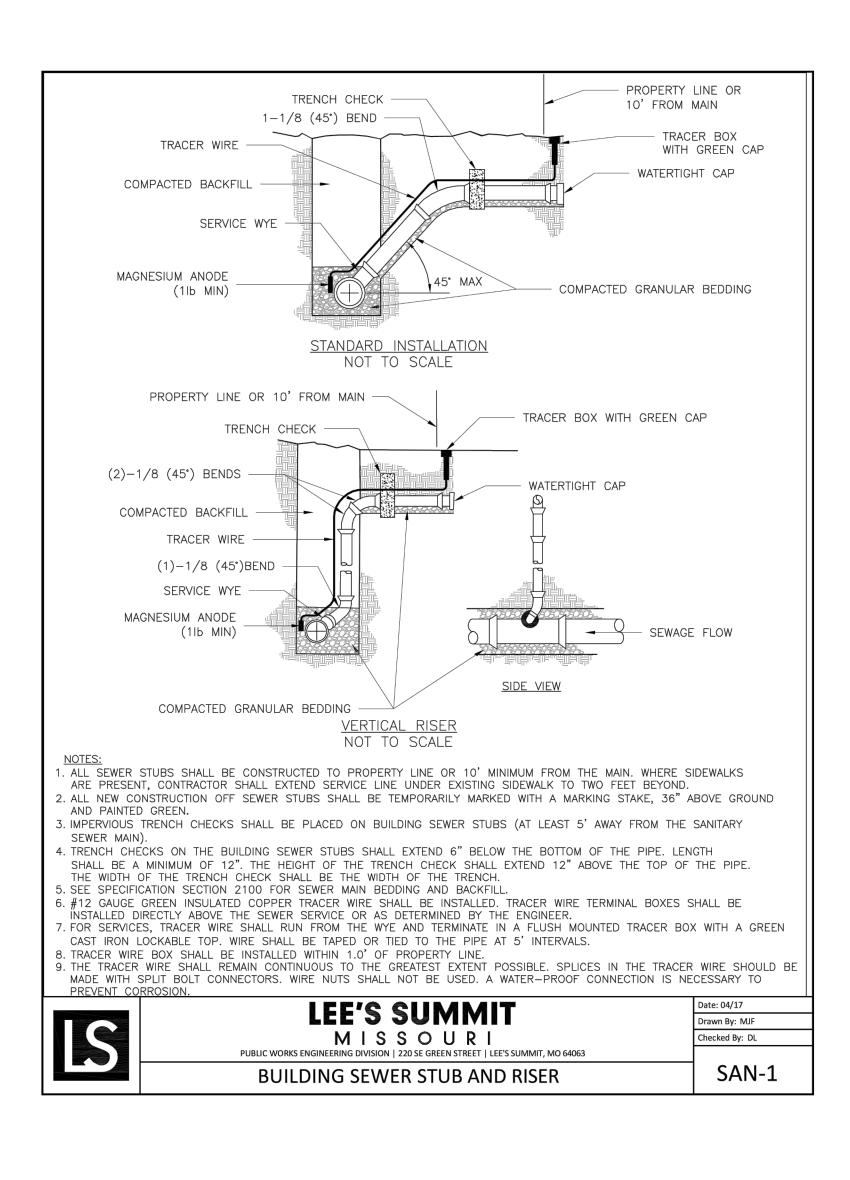
Date: 10/18/2022 Certified by: RPM Title: Design Engineer Firm: Schlagel and Associates, P.A.

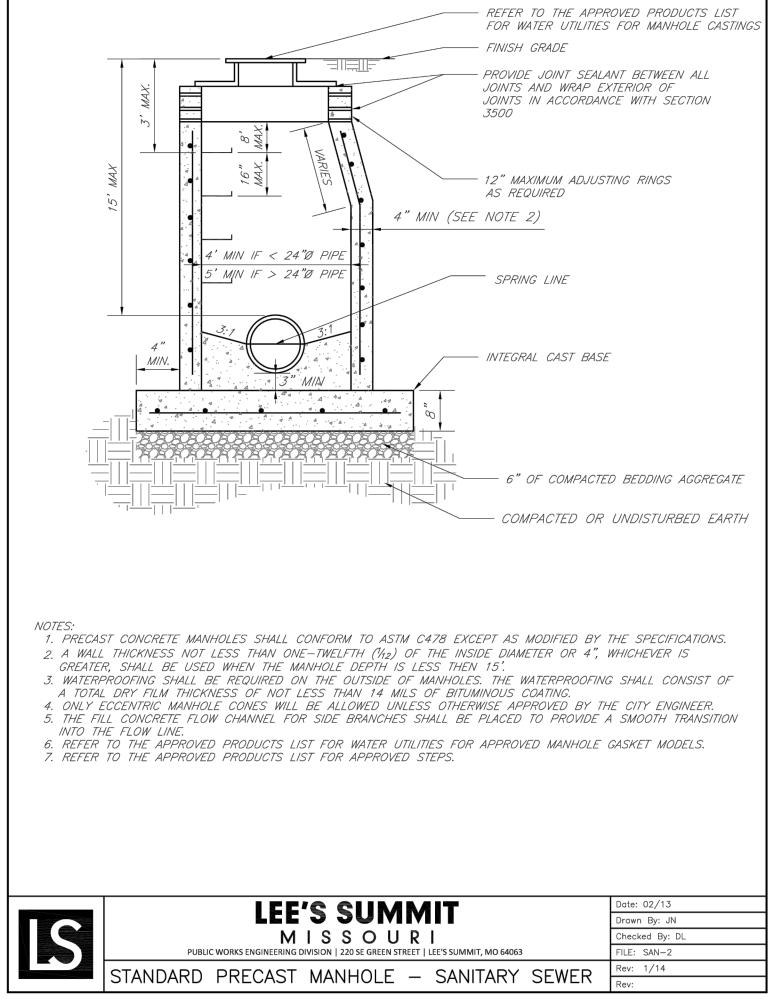


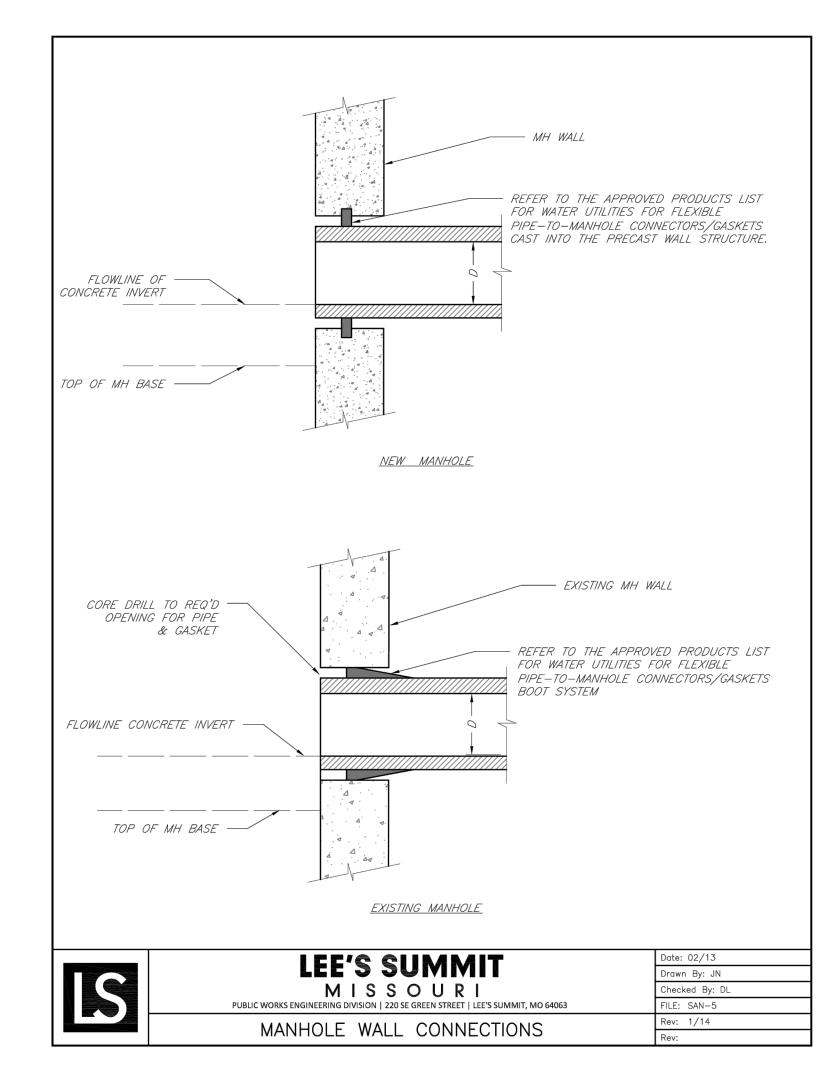
WOODLAND GLEN 2ND PLAT SANITARY SEWER MAIN EXTENSION $\frac{R}{\leq}$ HROP DI SSOURI WARD

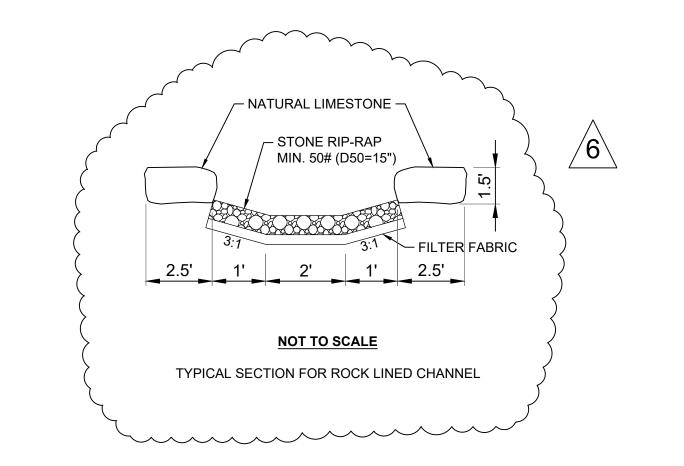
LINE B PLAN AND **PROFILE**











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

ENGINEERS PLANNER 14920 West 10 (913) 493 WWW.SC Misse

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

21 4-21-2020 CITY COMMENTS	S 5-20-2020 CITY COMMENTS	3 01/12/2021 SCHLAGEL QUANTITIES	4 05/10/2021 SCH. REGRADE	√5 06/03/2021 ESC SHEETS	6 10/07/2021 EX. MH 1-7 TIE IN	V 12/08/2021 MH C1 UPDATE	8 01/20/2022 WATER LINE CONFLICT	OF 111 12 OF 00000000000000000000000000000000000
RAI		CHECKED BY:	MAB	DATE PREPARED.	•	/ 0302-02-2	PROJ. NUMBER:	78-017

SANITARY DETAILS

SHEET

12