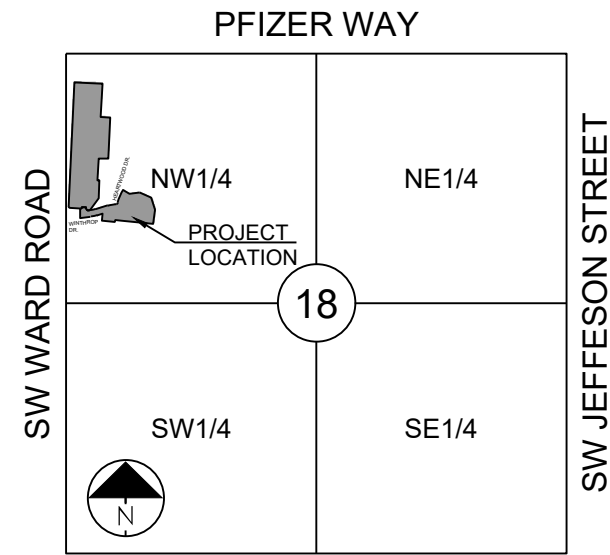


LEGEND:

- A/E - ACCESS EASEMENT
 - BC - BACK OF CURB
 - B/B - BACK TO BACK
 - BM - BENCHMARK
 - BL or B.L. - BUILDING LINE
 - CO - CLEANOUT
 - TJB - TELEPHONE JUNCTION BOX
 - C&G - CURB AND GUTTER
 - D/E - DRAINAGE EASEMENT
 - E/E - ELECTRICAL EASEMENT
 - EL - ELEVATION
 - FL - FLOW LINE
 - G/E - GAS LINE EASEMENT
 - HDPE - HIGH-DENSITY POLYETHYLENE
 - L/E - LANDSCAPE EASEMENT
 - MSFE - MINIMUM SERVICEABLE FLOOR ELEVATION
 - PVC - POLYVINYL CHLORIDE
 - P/L - PROPERTY LINE
 - PUB/E - PUBLIC EASEMENT
 - RCP - REINFORCED CONCRETE PIPE
 - ROW or RW - RIGHT-OF-WAY
 - S/E - SANITARY SEWER EASEMENT
 - SL - SERVICE LINE
 - S/W - SIDEWALK
 - TE - TOP ELEVATION
 - U/E - UTILITY EASEMENT
 - WSE - WATER SURFACE ELEVATION
 - W/E - WATERLINE EASEMENT
-
- ASPHALT PAVEMENT - EXISTING
 - ASPHALT PAVEMENT - PROPOSED
 - CONCRETE PAVEMENT - EXISTING
 - CONCRETE PAVEMENT - PROPOSED
 - ASPHALT PAVEMENT - EXISTING
 - CONCRETE SIDEWALK - EXISTING
 - CONCRETE SIDEWALK - PROPOSED
 - CURB & GUTTER
 - CURB & GUTTER - EXISTING
 - TREELINE
 - EXISTING LOT AND RW LINES
 - EXISTING PLAT LINES
 - P/L PROPERTY LINES
 - ROW RIGHT-OF-WAY
 - SANITARY SEWER MAIN
 - SANITARY SEWER MAIN - EXIST.
 - STORM SEWER
 - STORM SEWER - EXISTING
 - CABLE TV - EXISTING
 - FIBER OPTIC CABLE - EXISTING
 - TELEPHONE LINE - EXIST.
 - ELECTRIC LINE - EXISTING
 - OVERHEAD POWER LINE - EXIST.
 - 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



SECTION 18-47N-31W
LOCATION MAP
SCALE 1" = 2000'

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
(816) 969-1800

AT&T

Mark Manion or Marty Loper
500 E. 8th Street, Room 370
Kansas City, MO 64108
(816) 275-2341 or (816) 275-1550

COMCAST CABLE

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

PUBLIC WATER SUPPLY DISTRICT

Mark Schaulfer
220 SE Green Street
Lee's Summit, MO 64063
(816) 969-1900

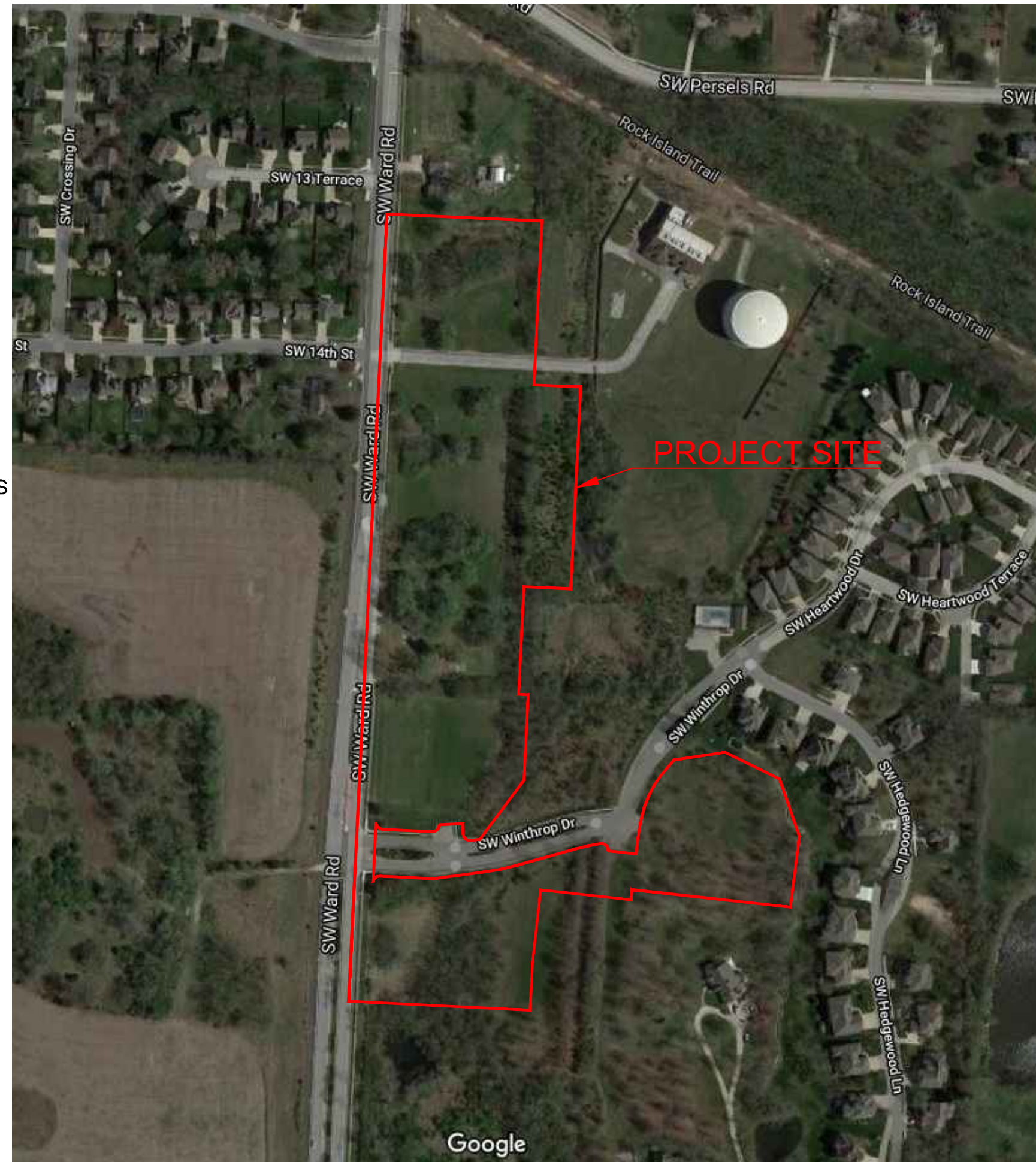
SANITARY SEWER MAIN EXTENSION FOR WOODLAND GLEN 2ND PLAT

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

Sheet List Table	
Sheet Number	Sheet Title
1	COVER
2	GENERAL LAYOUT
3	GRADING PLAN
4	LINE A PLAN AND PROFILE
5	LINE B PLAN AND PROFILE
6	LINE C-D PLAN AND PROFILE
7	SANITARY DETAILS

GENERAL NOTES:

- ALL CONSTRUCTION TO FOLLOW THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL AS ADOPTED BY ORDINANCE 5813.
- ALL WORKMANSHIP AND MATERIALS SHALL BE SUBJECT TO THE INSPECTION AND APPROVAL OF THE ENGINEERING DEPARTMENT OF THE CITY OF LEE'S SUMMIT, MISSOURI.
- LINEAL FOOT MEASUREMENTS SHOWN ON THE PLANS ARE HORIZONTAL MEASUREMENTS, NOT SLOPE MEASUREMENTS. ALL PAYMENTS SHALL BE MADE ON HORIZONTAL MEASUREMENTS.
- NO GEOLOGICAL INVESTIGATION HAS BEEN PERFORMED ON THE SITE.
- THE UTILITY LOCATIONS SHOWN ON THESE PLANS ARE TAKEN FROM UTILITY COMPANY RECORDS AND APPARENT FIELD LOCATIONS. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL ADHERE TO THE PROVISIONS OF THE SENATE BILL NUMBER 583, 78TH GENERAL ASSEMBLY OF THE STATE OF MISSOURI. THE BILL REQUIRES THAT ANY PERSON OR FIRM DOING EXCAVATION ON PUBLIC RIGHT OF WAY DO SO ONLY AFTER GIVING NOTICE TO, AND OBTAINING INFORMATION FROM, UTILITY COMPANIES. STATE LAW REQUIRES 48 HOURS ADVANCE NOTICE. THE CONTRACTOR MAY ALSO UTILIZE THE FOLLOWING TOLL FREE PHONE NUMBER PROVIDED BY "MISSOURI ONE CALL SYSTEM, INC.": 1-800-DIG-RITE. THIS PHONE NUMBER IS APPLICABLE ANYWHERE WITHIN THE STATE OF MISSOURI. PRIOR TO COMMENCEMENT OF WORK, THE CONTRACTOR SHALL NOTIFY ALL THOSE COMPANIES WHICH HAVE FACILITIES IN THE NEAR VICINITY OF THE CONSTRUCTION TO BE PERFORMED.
- PRIOR TO ORDERING PRECAST STRUCTURES, SHOP DRAWING SHALL BE SUBMITTED TO THE DESIGN ENGINEER FOR APPROVAL. AFTER APPROVAL OF THE SHOP DRAWINGS, A COPY OF THE APPROVED AND SIGNED SHOP DRAWINGS SHALL BE PROVIDED TO THE CITY INSPECTOR UPON REQUEST.
- THE CONTRACTOR SHALL PROTECT ALL MAJOR TREES FROM DAMAGE. NO TREE SHALL BE REMOVED WITHOUT PERMISSION OF THE OWNER, UNLESS SHOWN OTHERWISE.
- 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 EXCAVATION.
- 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 AS REQUIRED.
- THE CONTRACTOR SHALL CONTACT DEVELOPMENT SERVICES INSPECTOR AT: 816-969-1200 PRIOR TO OBTAIN A DEVELOPMENT SERVICES CONSTRUCTION PERMIT. A MINIMUM 48 HOUR NOTICE SHALL BE GIVEN PRIOR TO PERMIT ISSUANCE.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL TRAFFIC HANDLING MEASURES NECESSARY TO 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).



VICINITY MAP
N.T.S.

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

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 ENGINEER.
- 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'S EXPENSE.
- 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 STRUCTURES.
- 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 ENCASUREMENT OF THE STORM SEWER LINE SHALL BE REQUIRED 10 FEET IN EACH DIRECTION OF THE CONFLICT.
- 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.

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	1289	LF
6	8" X 6" WYE CONNECTION	48	EA
7	EXTRA DEPTH IN MANHOLE	85	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

SCHLAGEL
ENGINEERS PLANNERS SURVEYORS LANDSCAPE ARCHITECTS
14920 West 107th Street • Lenexa, Kansas 66215
(913) 492-5158 • Fax: (913) 492-8400
WWW.SCHLAGELASSOCIATES.COM
Missouri State Certificate of Authority
#E2002003690CF #LAC201005237 #LS200200895F

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

REVISION DATE	DESCRIPTION
4-21-2020	CITY COMMENTS
5-20-2020	CITY COMMENTS

COVER

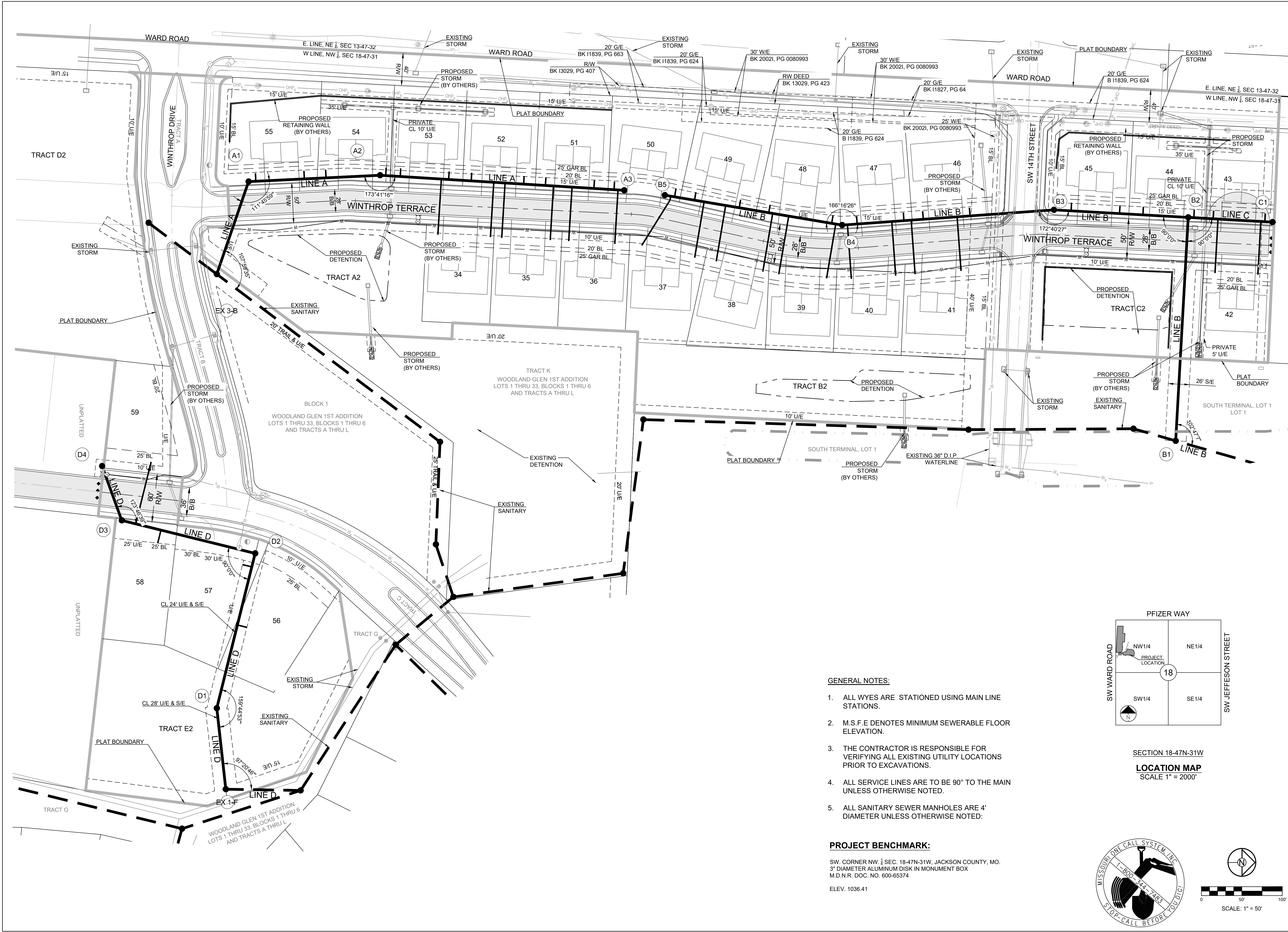
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NOTE:
TRENCH CHECKS TO BE INSTALL ON ALL SANITARY SEWER SERVICE LINES IN ACCORDANCE WITH CITY OF LEES SUMMIT STANDARDS.

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

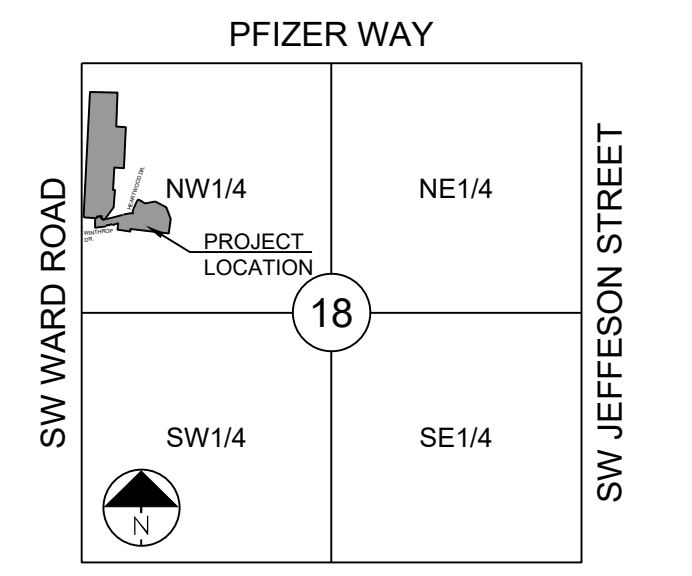


GENERAL NOTES:

1. 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.
5. ALL SANITARY SEWER MANHOLES ARE 4' DIAMETER UNLESS OTHERWISE NOTED.

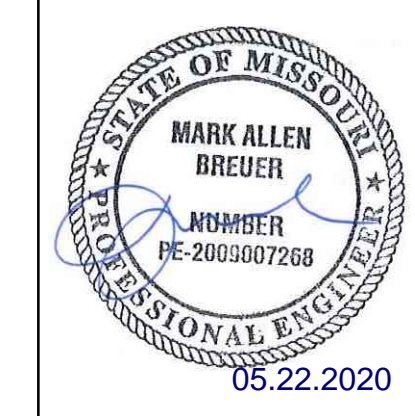
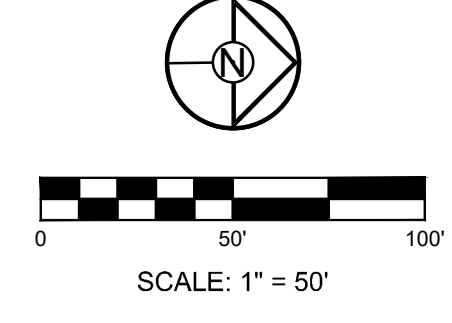
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SECTION 18-47N-31W

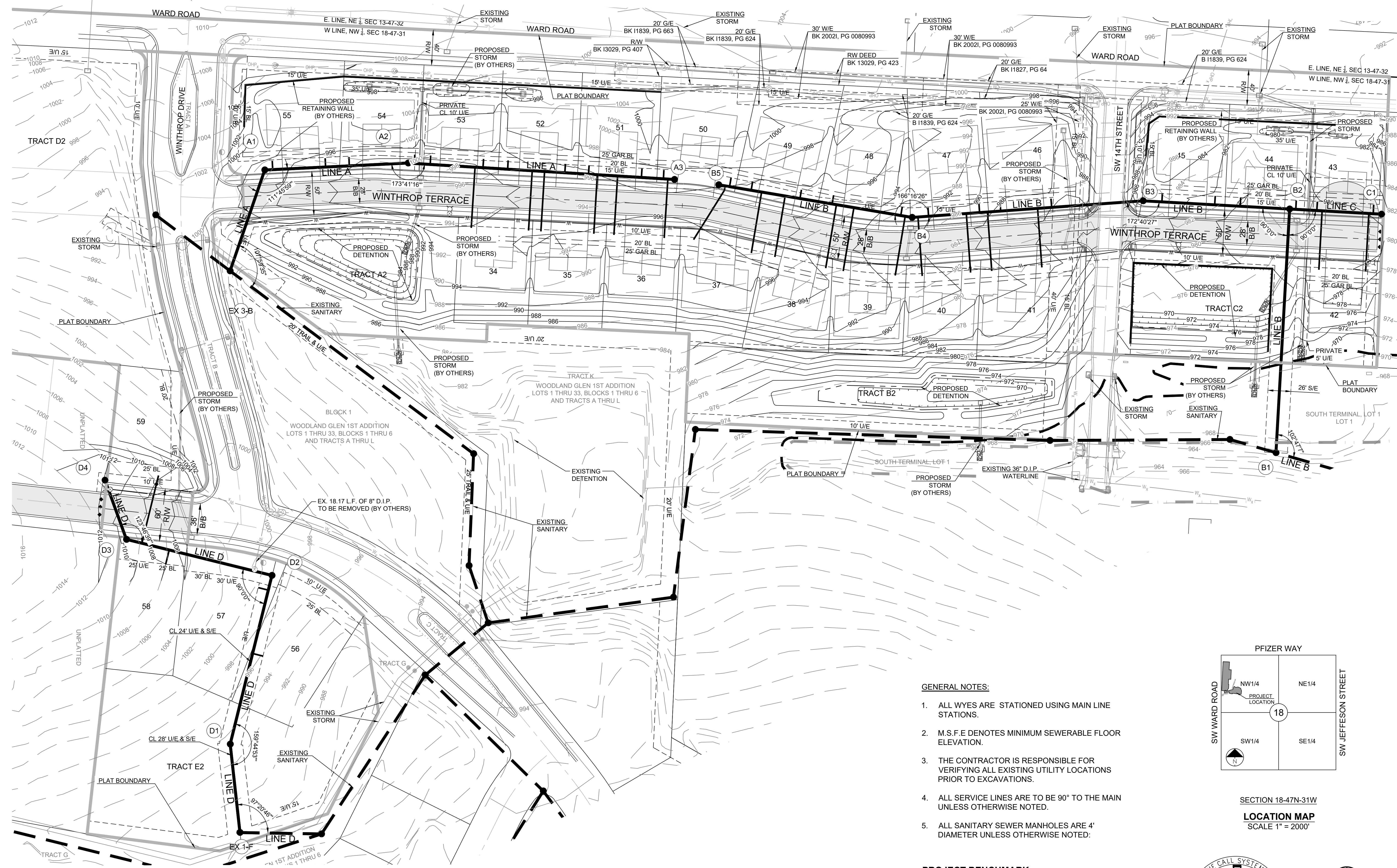
LOCATION MAP
 SCALE 1" = 2000'



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

REVISION DATE	DESCRIPTION
4-21-2020	CITY COMMENTS
5-20-2020	CITY COMMENTS
7-1-2020	CITY COMMENTS
7-20-2020	CITY COMMENTS
7-20-2020	DATE PREPARED
18-017	PROJ. NUMBER

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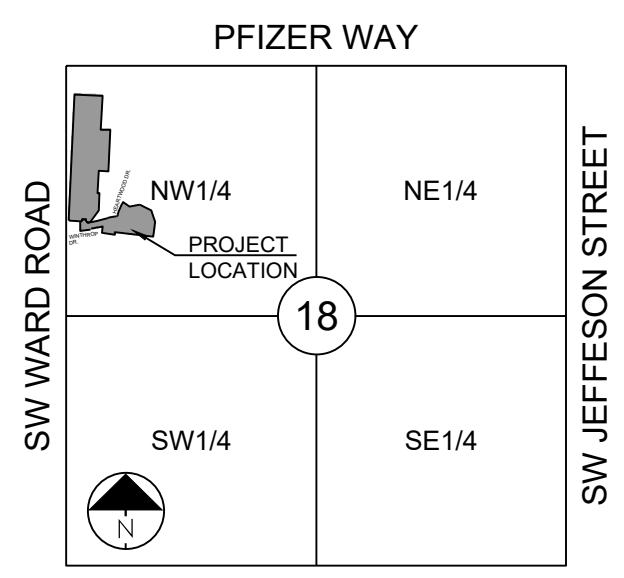


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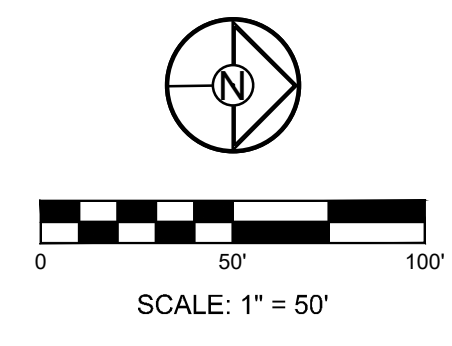
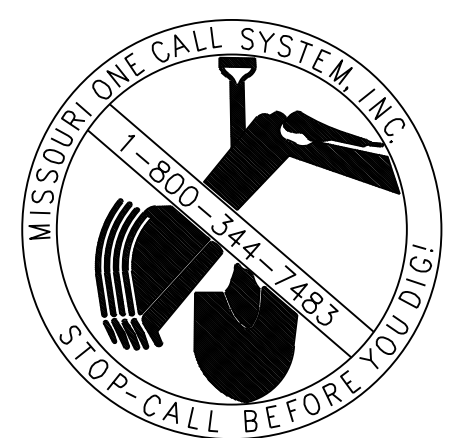
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 ELEV. 1036.41



SECTION 18-47N-31W
 LOCATION MAP
 SCALE 1" = 2000'



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

REVISION DATE	DESCRIPTION
4-21-2020	CITY COMMENTS
5-20-2020	CITY COMMENTS
6-18-2020	CITY COMMENTS
7-15-2020	CITY COMMENTS
8-12-2020	CITY COMMENTS
9-9-2020	CITY COMMENTS
10-6-2020	CITY COMMENTS
11-3-2020	CITY COMMENTS
11-30-2020	CITY COMMENTS
12-27-2020	CITY COMMENTS
1-24-2021	CITY COMMENTS
2-21-2021	CITY COMMENTS
3-18-2021	CITY COMMENTS
4-15-2021	CITY COMMENTS
5-12-2021	CITY COMMENTS
6-9-2021	CITY COMMENTS
7-7-2021	CITY COMMENTS
8-4-2021	CITY COMMENTS
9-1-2021	CITY COMMENTS
9-29-2021	CITY COMMENTS
10-27-2021	CITY COMMENTS
11-24-2021	CITY COMMENTS
12-22-2021	CITY COMMENTS
1-19-2022	CITY COMMENTS
2-16-2022	CITY COMMENTS
3-13-2022	CITY COMMENTS
4-10-2022	CITY COMMENTS
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6-3-2023	CITY COMMENTS
7-1-2023	CITY COMMENTS
7-29-2023	CITY COMMENTS
8-26-2023	CITY COMMENTS
9-23-2023	CITY COMMENTS
10-21-2023	CITY COMMENTS
11-18-2023	CITY COMMENTS
12-16-2023	CITY COMMENTS
1-13-2024	CITY COMMENTS
2-10-2024	CITY COMMENTS
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6-29-2029	CITY COMMENTS
7-27-2029	CITY COMMENTS
8-24-2029	CITY COMMENTS
9-21-2029	CITY COMMENTS
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11-16-2029	CITY COMMENTS
12-14-2029	CITY COMMENTS
1-11-2030	CITY COMMENTS

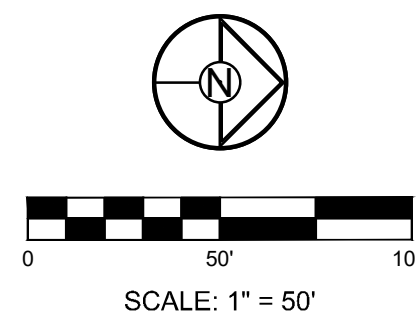
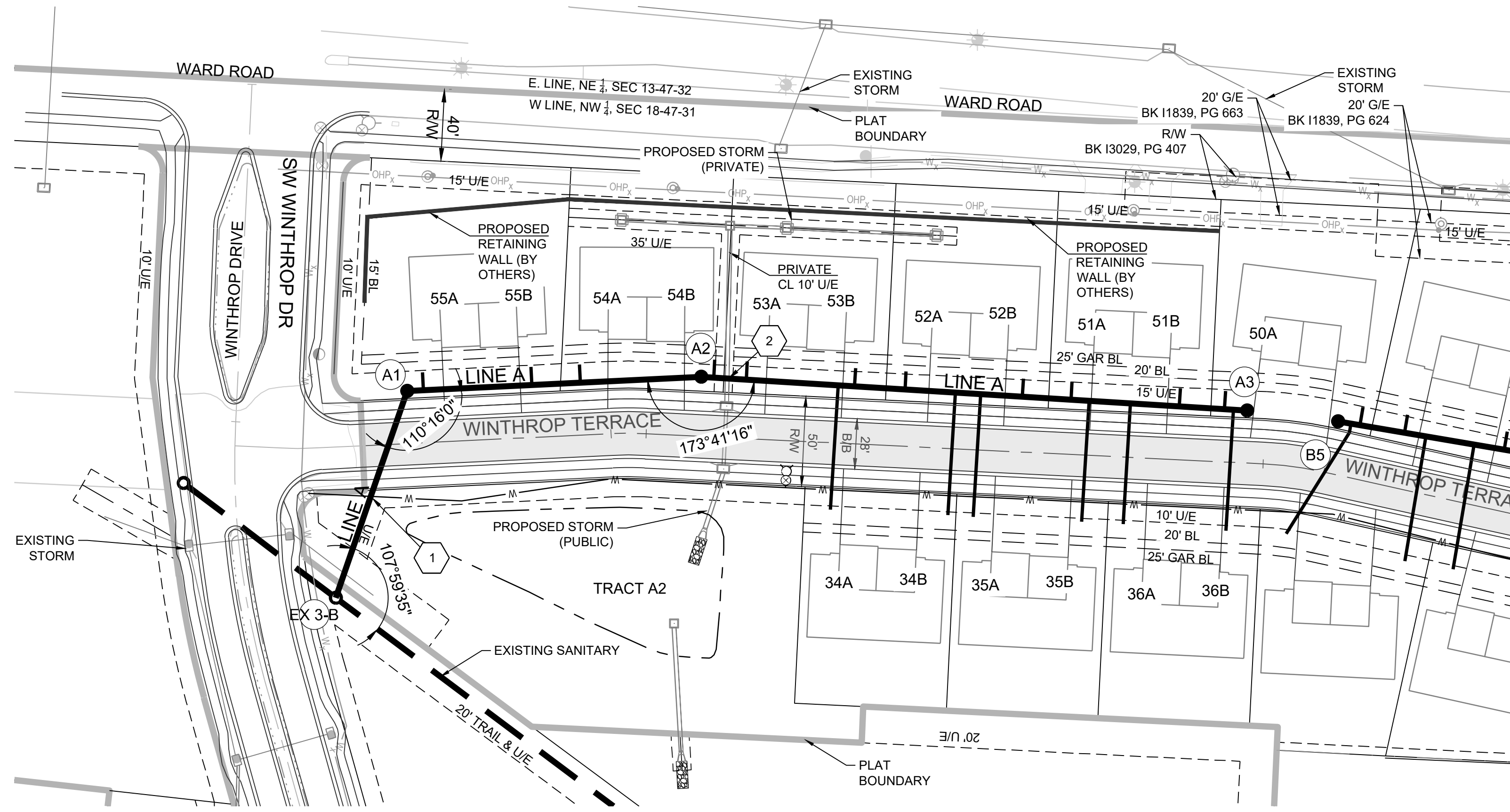
GRADING PLAN

SHEET

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Lot No.	WYE STA	Stub Length (L.F.)	Stub Slope (%)	Riser Length (L.F.)	EOS Elev	Elev	MSFE	Cleanout
34A	359.84	69	1.30	0.00	984.76	987.76		NO
34B	424.84	68	1.30	0.00	985.33	988.33		NO
35A	438.84	68	1.30	0.00	985.46	988.46		NO
35B	498.84	67	1.30	0.00	985.99	988.99		NO
36A	521.84	67	1.30	0.00	986.19	989.19		NO
36B	578.84	67	1.30	0.00	986.71	989.71		NO
50A	573.84	10	1.30	0.00	985.92	988.92		NO
51B	548.84	10	1.30	0.00	985.69	988.69		NO
51A	488.84	10	1.30	0.00	985.15	988.15		NO
52A	461.84	10	1.30	0.00	984.91	987.91		NO
52A	396.84	10	1.30	0.00	984.33	987.33		NO
53B	368.84	10	1.30	0.00	984.07	987.07		NO
53A	308.84	10	1.30	0.00	983.53	986.53		NO
54B	290.84	10	1.30	0.00	983.37	986.37		NO
54A	217.03	9	1.30	1.00	983.11	986.11		NO
55B	190.03	9	1.30	2.00	983.53	986.53		NO
55A	130.03	6	1.30	6.00	985.70	988.70		NO

ID	SAN ELEV.	STORM/WATER ELEV.	SAN SIZE	STORM/WATER SIZE	VERTICAL SEPARATION	RCE/CRCE REQUIRED?
1	978.97	991.38	8" PCV	8" PVC	11.68	NO
2	982.58	988.78	8" PCV	15" HDPE	5.49	NO



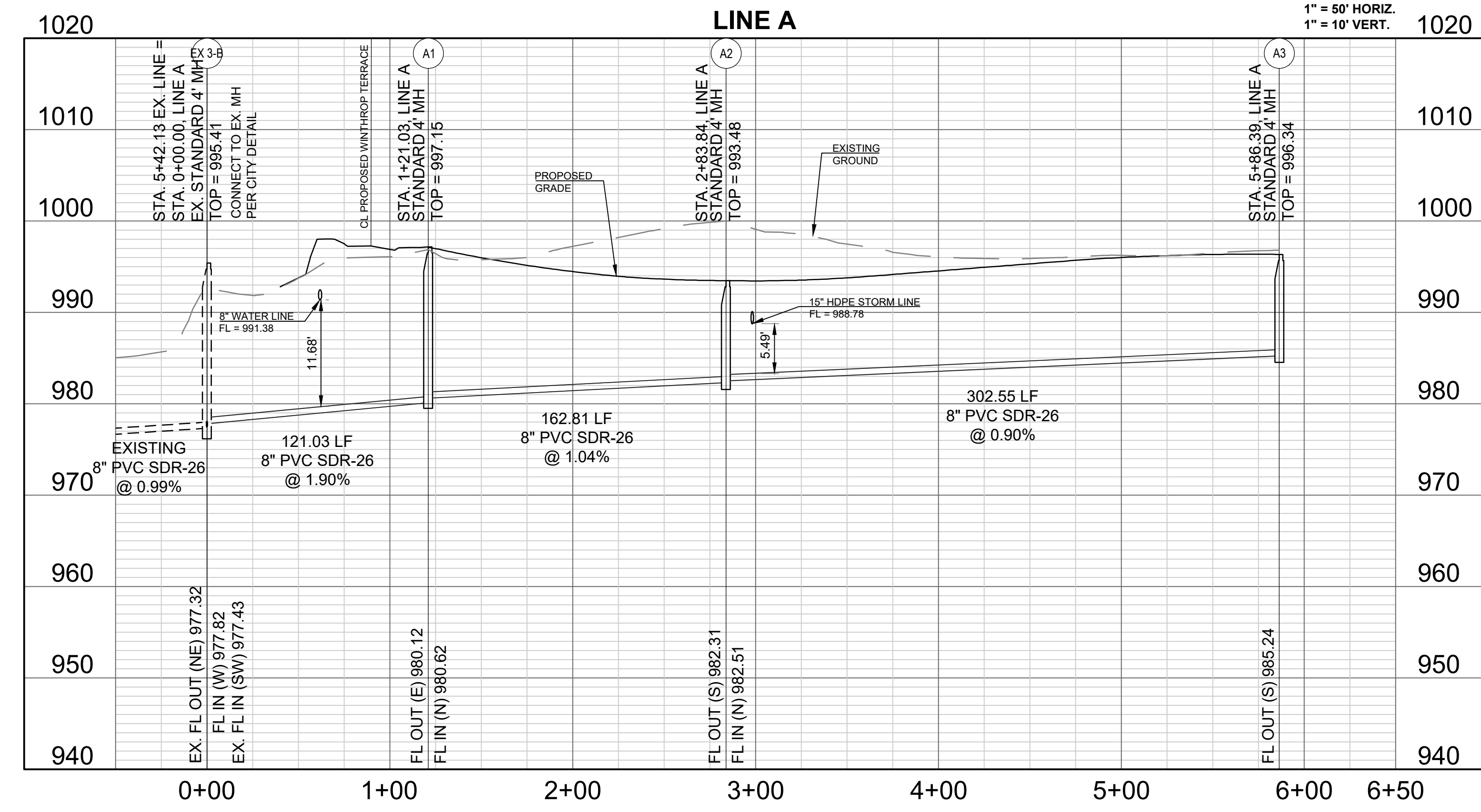
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PROJECT BENCHMARK:
 SW. CORNER NW 1/4 SEC. 18-47N-31W, JACKSON COUNTY, MO.
 3" DIAMETER ALUMINUM DISK IN MONUMENT BOX
 M.D.N.R. DOC. NO. 600-65374
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 WWW.SCHLAGELASSOCIATES.COM
 Missouri State Certificates of Authority
 #E20020036000 F #LAC201005237 #LS2002008695F

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

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



REVISION DATE	DESCRIPTION
4-21-2020	CITY COMMENTS
5-20-2020	CITY COMMENTS
6-10-2020	CITY COMMENTS
6-10-2020	CITY COMMENTS
6-10-2020	CITY COMMENTS
6-10-2020	CITY COMMENTS
6-10-2020	CITY COMMENTS
6-10-2020	CITY COMMENTS
6-10-2020	CITY COMMENTS
6-10-2020	CITY COMMENTS

LINE A PLAN AND PROFILE

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

REVISION DATE	DESCRIPTION
4-21-2020	CITY COMMENTS
5-20-2020	CITY COMMENTS
6-11-2020	CITY COMMENTS
6-11-2020	CITY COMMENTS
6-11-2020	CITY COMMENTS
6-11-2020	CITY COMMENTS
6-11-2020	CITY COMMENTS
6-11-2020	CITY COMMENTS
6-11-2020	CITY COMMENTS
6-11-2020	CITY COMMENTS

DRAWN BY:	CHECKED BY:	DATE PREPARED:	PROJ. NUMBER:
BAL	MAB	2-20-2020	18-017

LINE B PLAN AND PROFILE

SHEET **5**

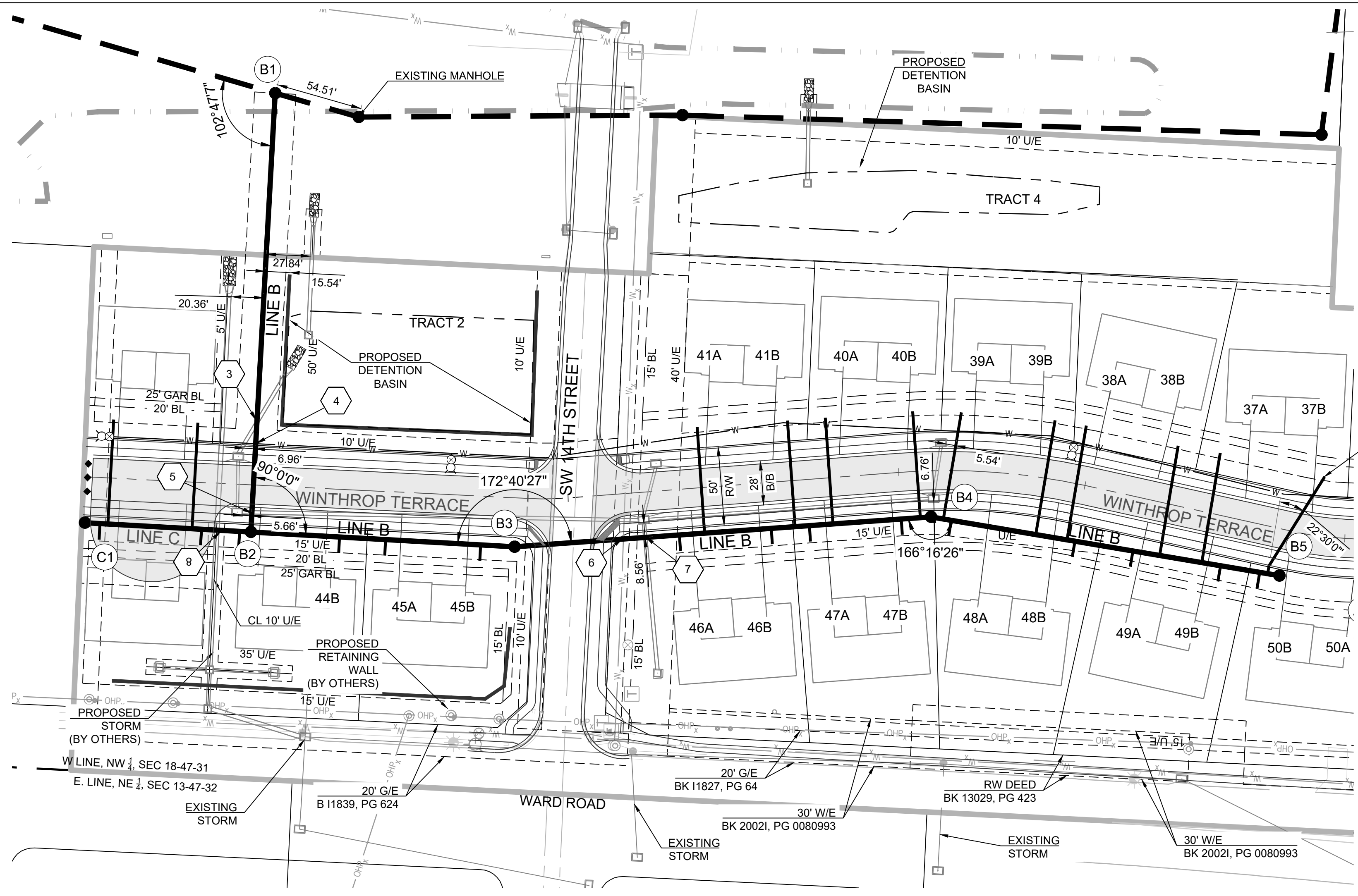
PROJECT BENCHMARK:
 SW CORNER NW 1/4 SEC. 18-47N-31W, JACKSON COUNTY, MO.
 3" DIAMETER ALUMINUM DISK IN MONUMENT BOX
 M.D.N.R. DOC. NO. 600-65374
 ELEV. 1036.41

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

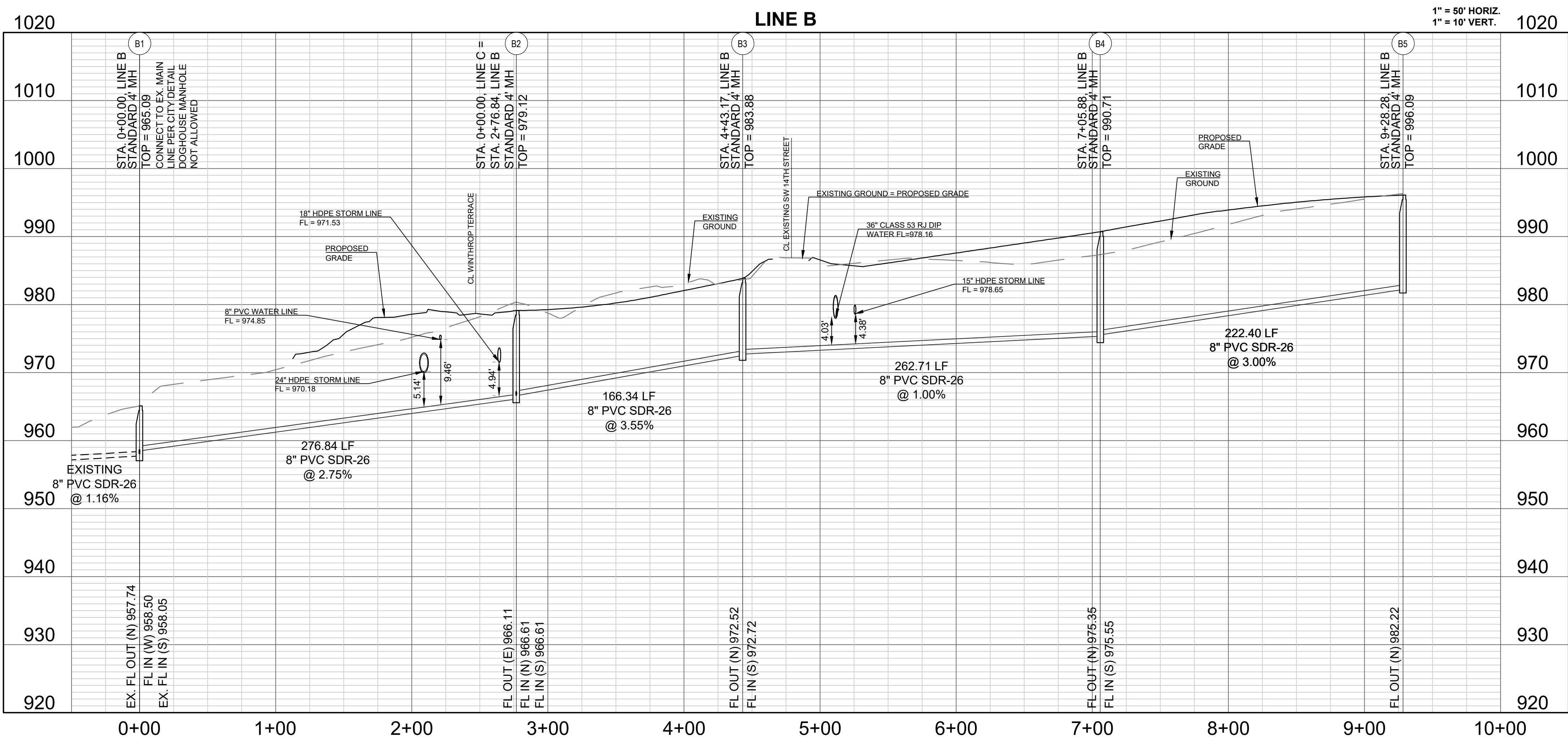
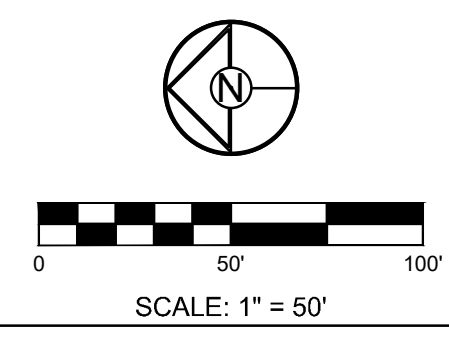
Lot No.	WYE STA	Stub Length (L.F.)	Stub Slope (%)	Riser Length (L.F.)	EOS Elev	MSFE Elev	Cleanout
37B	920.89	70	1.30	1.00	984.28	987.28	NO
37A	878.89	69	1.30	2.00	983.71	986.71	NO
38B	851.89	68	1.30	3.00	983.60	986.60	NO
38A	792.89	71	1.30	3.00	981.86	984.86	NO
39B	772.89	73	1.30	0.00	979.17	982.17	NO
39A	713.89	67	1.30	2.00	978.73	981.73	NO
40B	699.18	65	1.30	3.00	978.91	981.91	NO
40A	644.18	66	1.30	2.00	977.66	980.66	NO
41B	620.18	67	1.30	0.00	976.03	979.03	NO
41A	563.18	67	1.30	0.00	975.46	978.46	NO
44B	332.84	10	1.30	0.00	969.40	972.40	NO
45A	361.84	10	1.30	0.00	970.43	973.43	NO
45B	421.84	10	1.30	0.00	972.56	975.56	NO
46A	547.18	10	1.30	0.00	974.55	977.55	NO
46B	605.18	9	1.30	2.00	976.53	979.53	NO
47A	629.18	7	1.30	4.00	978.17	981.17	NO
47B	687.18	7	1.30	4.00	978.75	981.75	NO
48A	718.89	6	1.30	5.00	980.22	983.22	NO
48B	797.89	6	1.30	5.00	982.59	985.59	NO
49A	834.89	6	1.30	5.00	983.70	986.70	NO
49B	890.89	7	1.30	4.00	984.68	987.68	NO
50B	915.89	8	1.30	3.00	984.74	987.74	NO

SANITARY CROSSING TABLE

ID	SAN ELEV.	STORM/WATER ELEV.	SAN SIZE	STORM/WATER SIZE	VERTICAL SEPARATION	RCE/CRCE REQUIRED?
3	964.33	970.18	8" PCV	24" HDPE	5.14	NO
4	964.67	974.85	8" PCV	8" PVC	9.46	NO
5	965.88	971.53	8" PCV	18" HDPE	4.94	NO
6	973.42	978.16	8" PCV	36" DIP	4.03	NO
7	973.56	978.65	8" PCV	15" HDPE	4.38	NO



INSTALL 5 L.F. OF 6" PVC THEN 6" 22.5° BEND THEN 65 L.F. OF 6" PVC



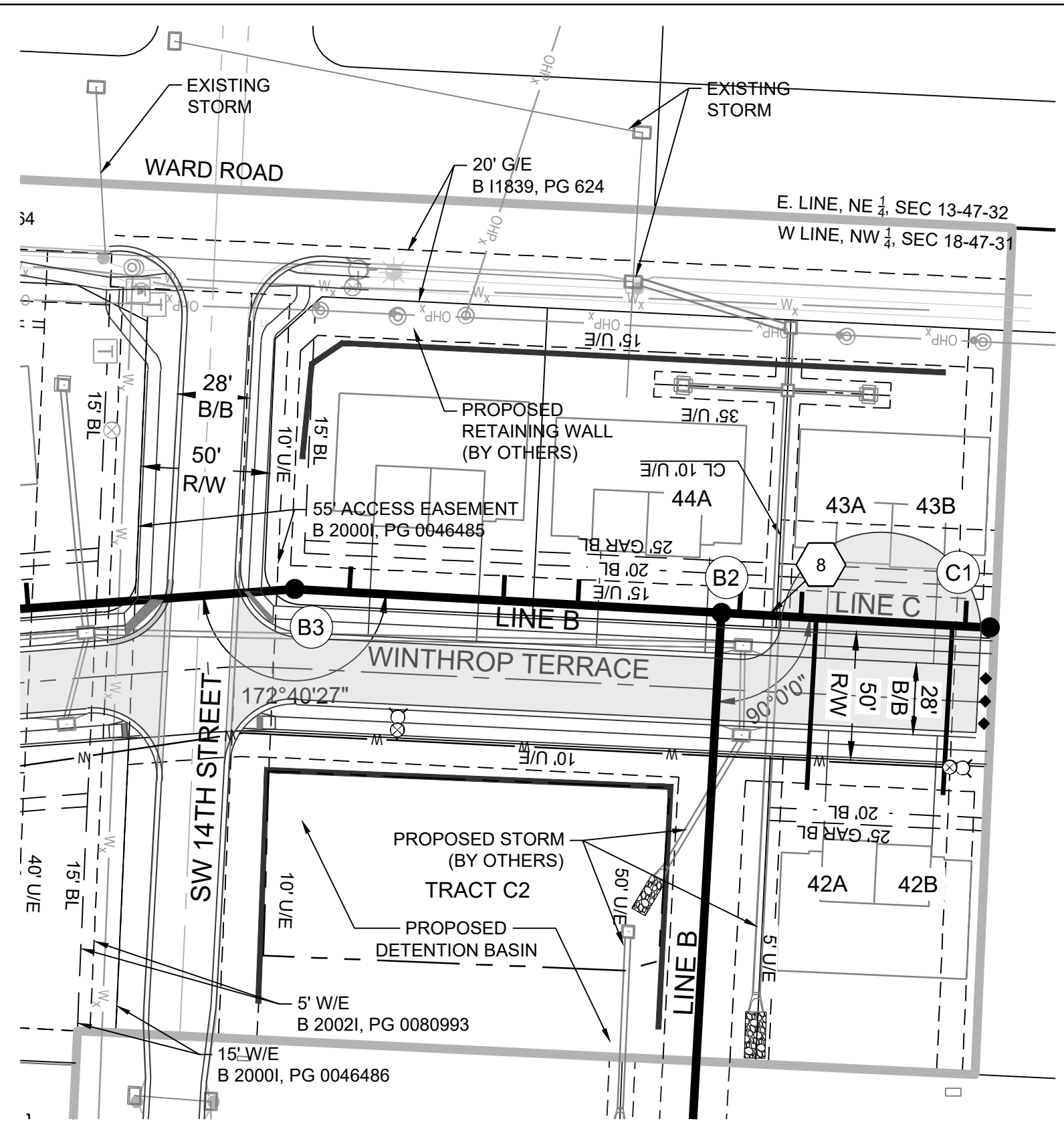
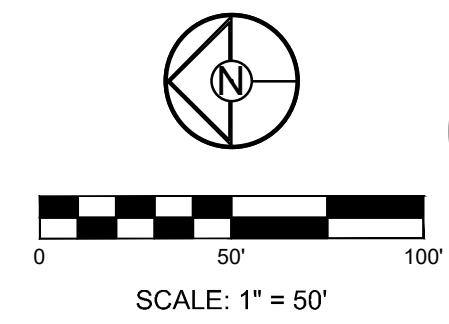
Structure Table

Structure Name	Structure Northing	Structure Easting
B1	993651.2313	2818718.4949
B2	993666.6637	2818442.0890
B3	993500.5868	2818432.8165
B4	993238.5614	2818451.7377
B5	993019.2687	2818414.6635

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- GENERAL NOTES:**
- ALL WYES ARE STATIONED USING MAIN LINE STATIONS.
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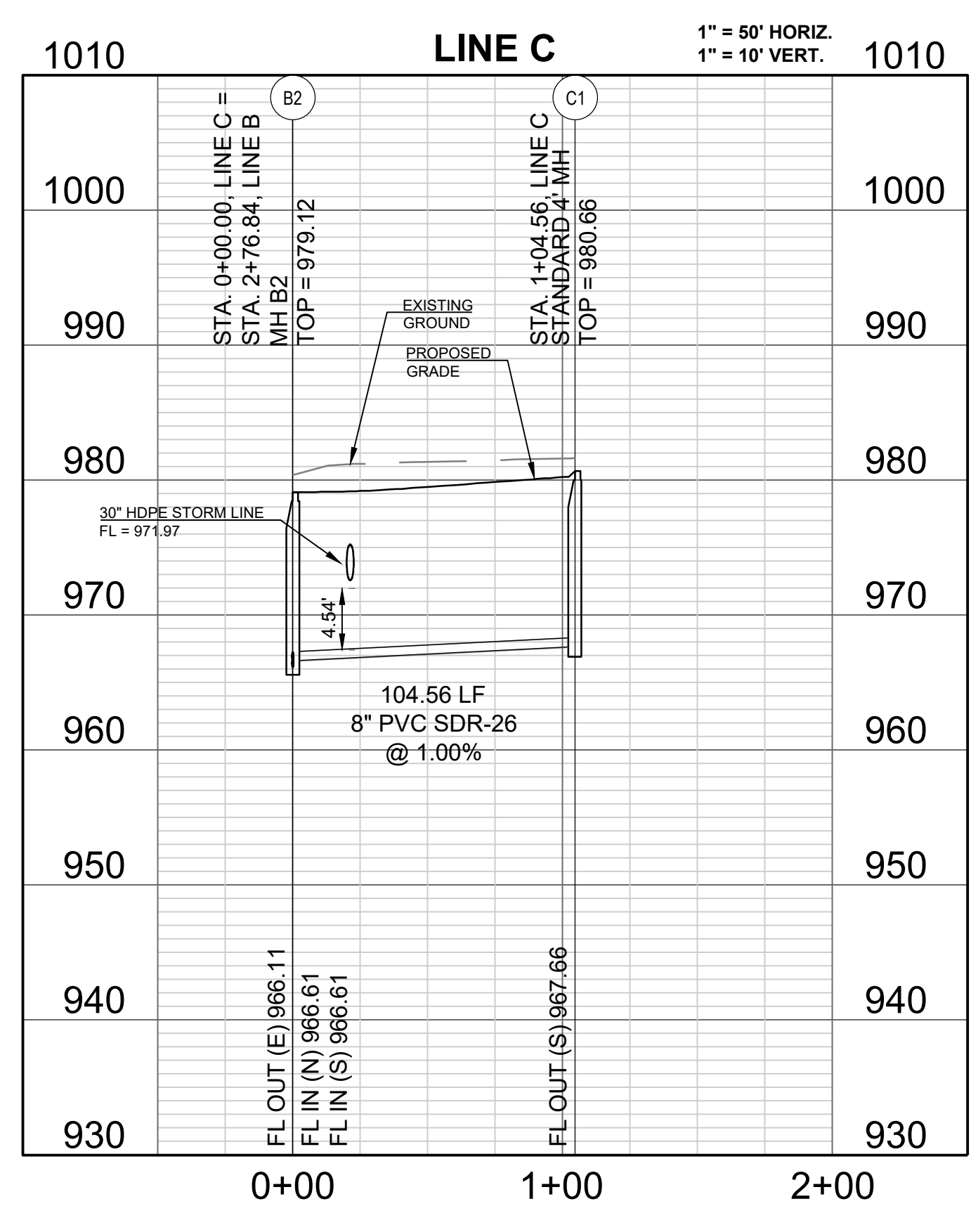
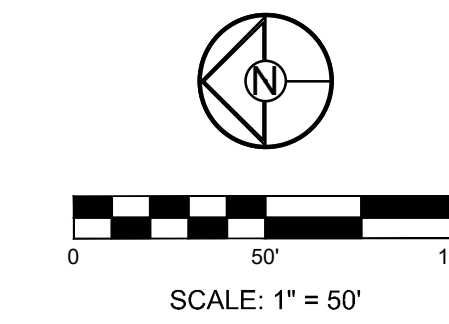
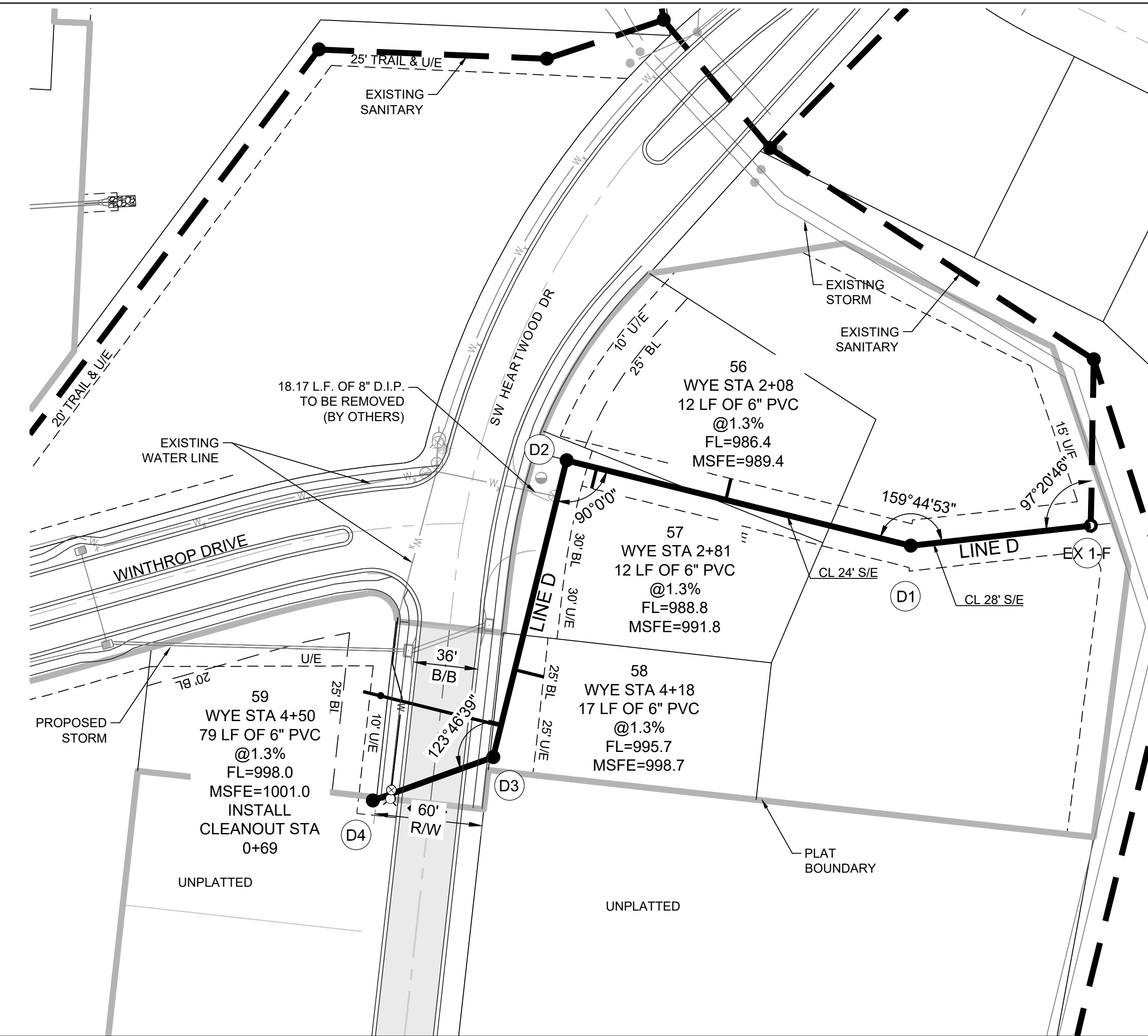
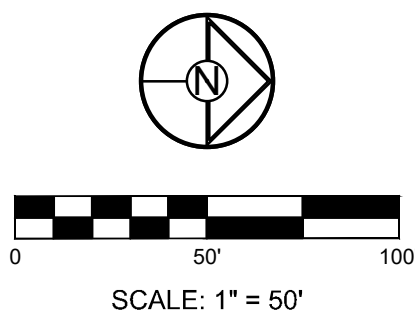
PROJECT BENCHMARK:
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 3" DIAMETER ALUMINUM DISK IN MONUMENT BOX
 M.D.N.R. DOC. NO. 600-65374
 ELEV. 1036.41



Lot No.	WYE STA	Stub Length (L.F.)	Stub Slope (%)	Riser Length (L.F.)	EOS Elev	MSFE Elev	Cleanout
42A	37.00	67	1.30	0.00	968.52	971.52	NO
42B	90.00	66	1.30	0.00	969.03	972.03	NO
43B	95.00	10	1.30	0.00	968.36	971.36	NO
43A	31.00	10	1.30	0.00	967.72	970.72	NO
44A	7.00	10	1.30	0.00	967.48	970.48	NO

SANITARY CROSSING TABLE

ID	SAN ELEV.	STORM/WATER ELEV.	SAN SIZE	STORM/WATER SIZE	VERTICAL SEPARATION	RCE/CRCE
8	966.71	971.97	8" PCV	30" HDPE	4.54	NO

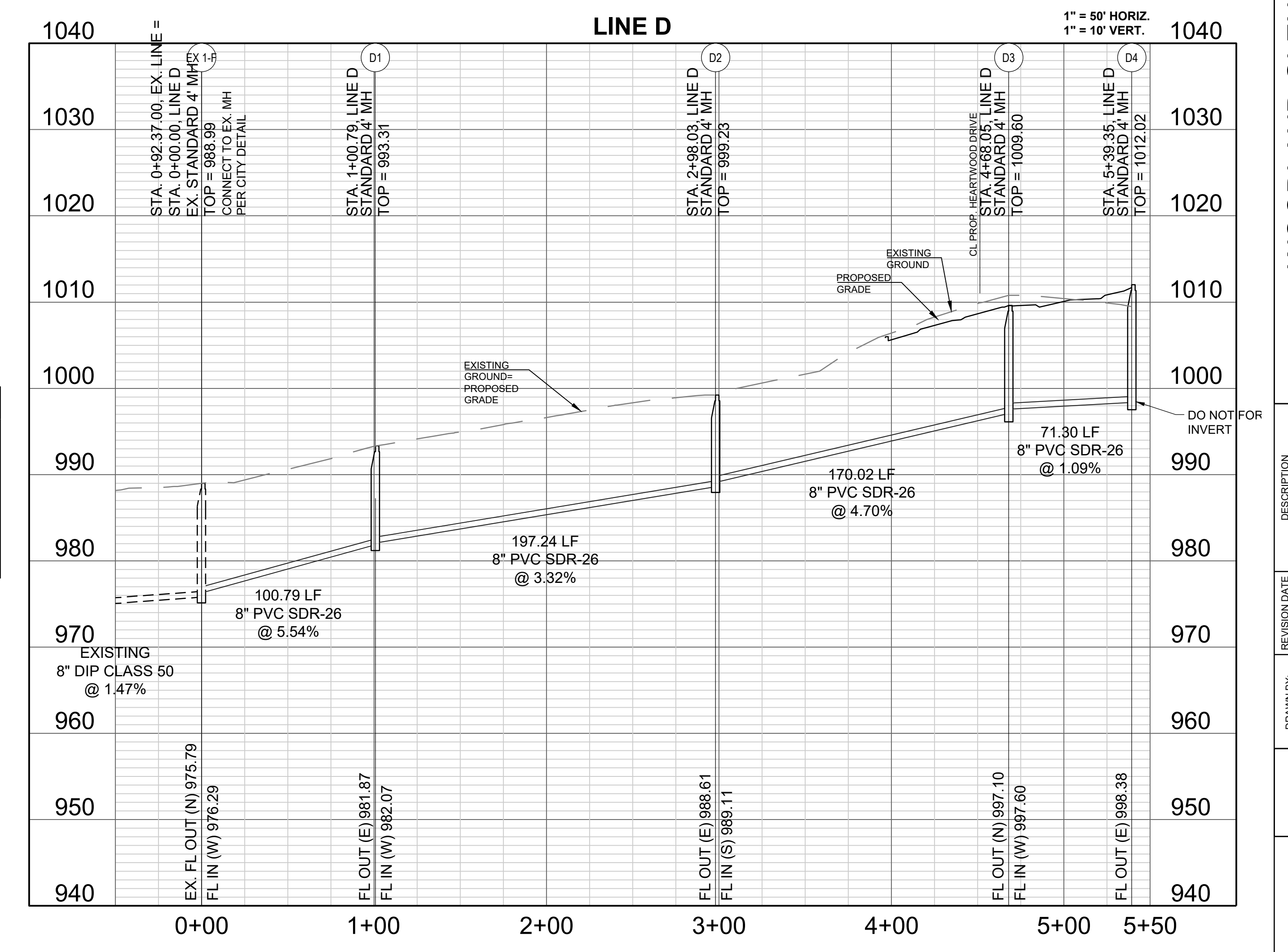


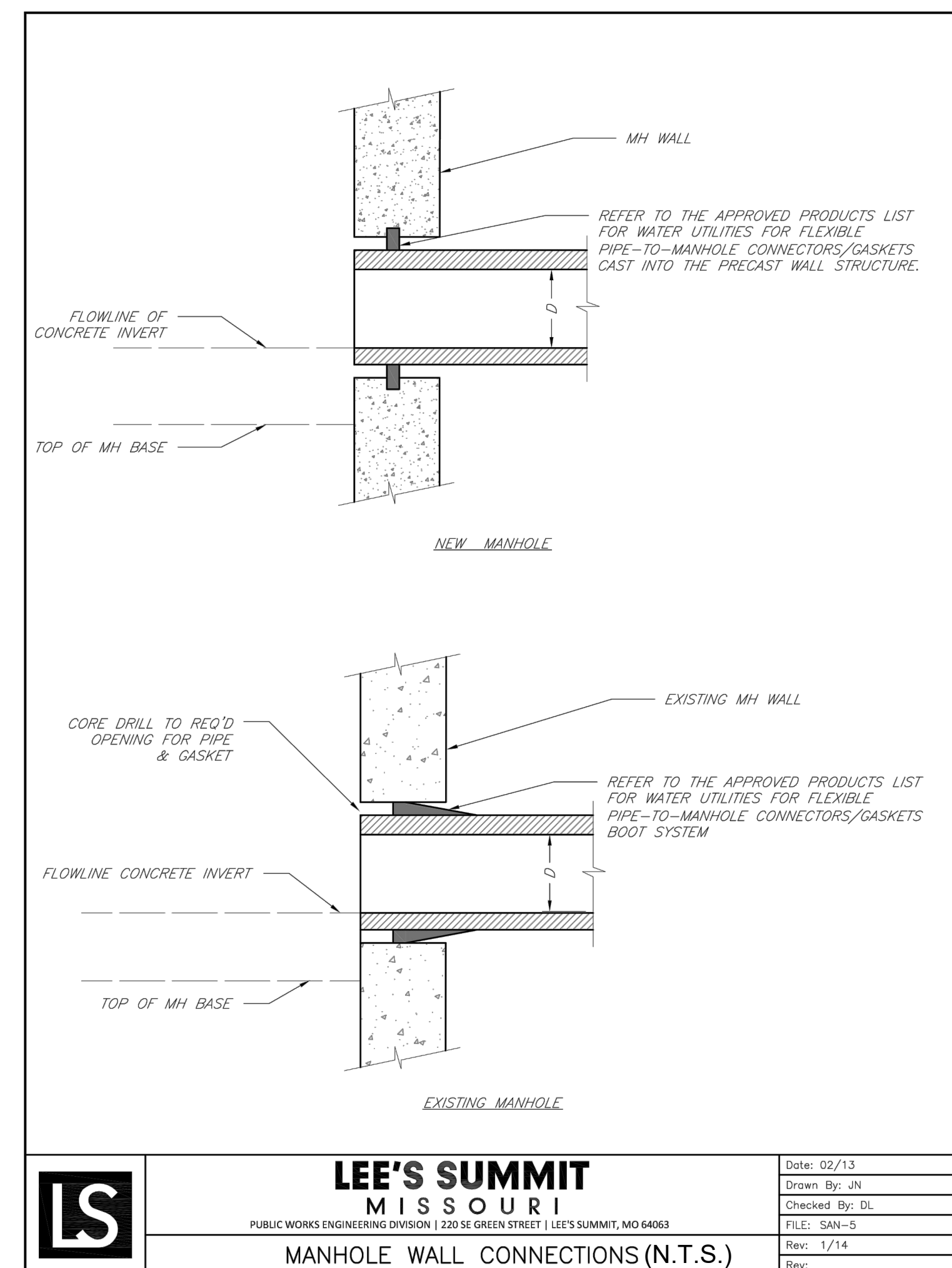
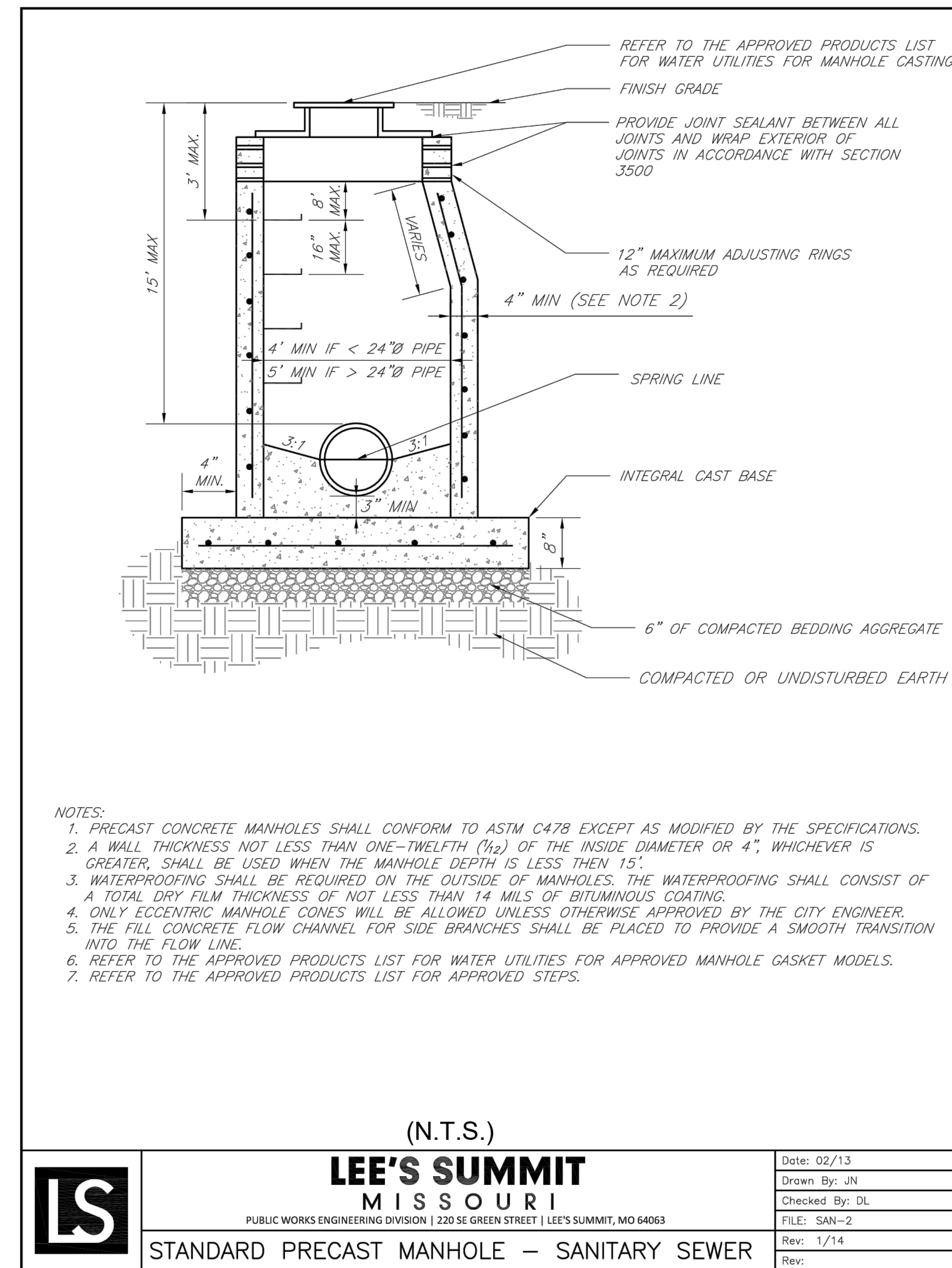
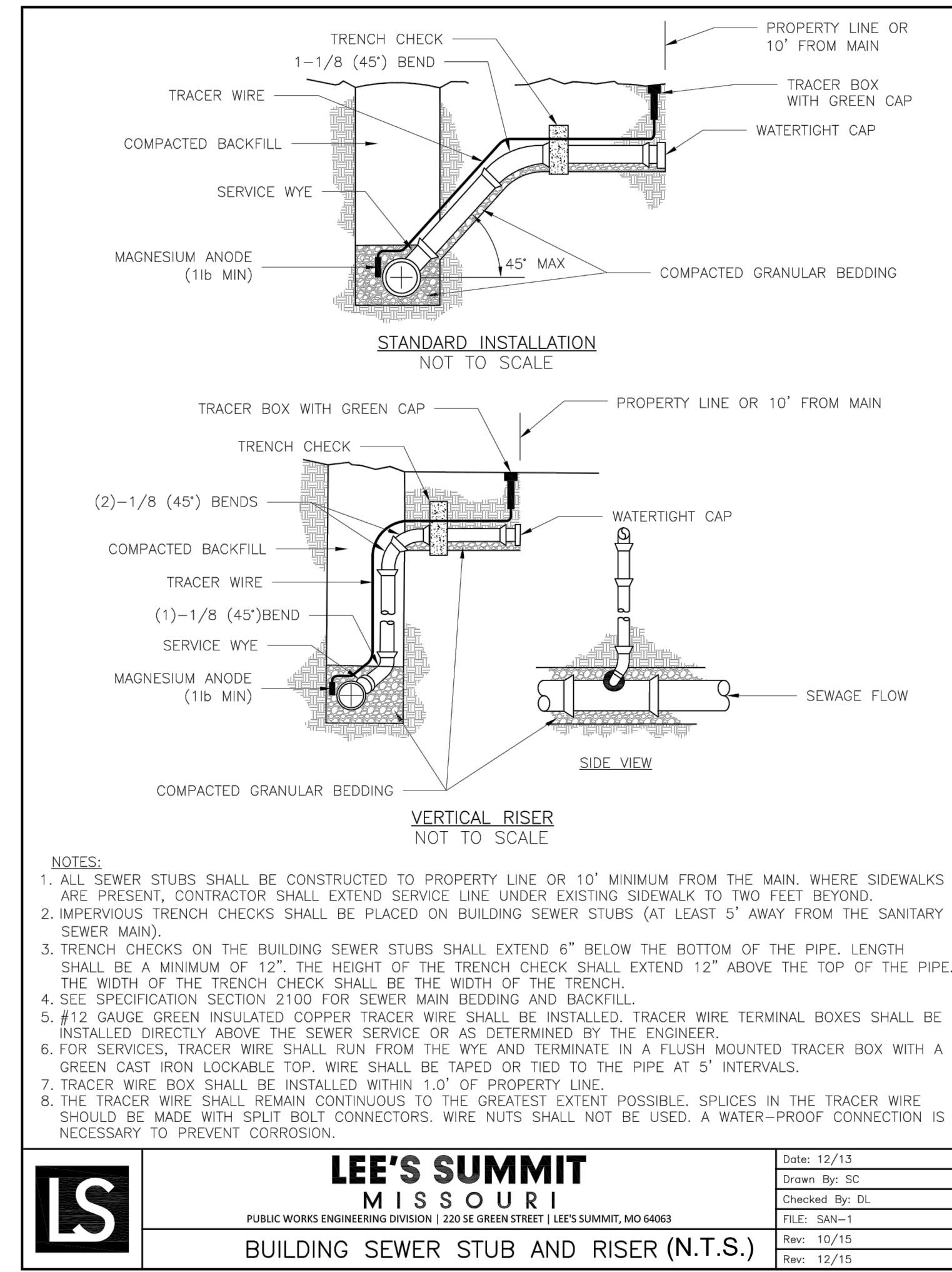
Structure Table

Structure Name	Structure Northing	Structure Easting
B2	993666.6637	2818442.0890
C1	993771.0575	2818447.9175

Structure Table

Structure Name	Structure Northing	Structure Easting
D1	992465.1668	2819049.0765
D2	992512.5490	2818857.6124
D3	992347.5106	2818816.7699
D4	992323.2667	2818749.7146
EX 1-F	992476.3180	2819149.2468





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

REVISION DATE	DESCRIPTION
1	4-21-2020 CITY COMMENTS
2	5-20-2020 CITY COMMENTS
3	
4	
5	
6	
7	
8	

DRAWN BY:	BAL
CHECKED BY:	MAB
DATE PREPARED:	2-20-2020
PROJ. NUMBER:	18-017

**SANITARY
 DETAILS**

SHEET