

GENERAL NOTES:

UTILITIES:

- CONFORMING TO CONSTRUCTION
RECORDS.

BAL	02.10.2020
BY	DATE

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

PREPARED AND SUBMITTED BY:

SCHLAGEL & ASSOCIATES, P.A.

APPROVED BY:

CITY ENGINEER
APPROVED FOR ONE YEAR FROM THIS DATE

OWNER/DEVELOPER:

NAI HEARTLAND
RUSSELL PEARSON
4400 COLLEGE BLVD, SUITE 170
OVERLAND PARK, KS 66211
p 913-890-2015
f 913-273-0205
RUSSELL@NAI-HEARTLAND.COM

MISSOURI GEOGRAPHIC REFERENCE SYSTEM
BENCH MARK:

BM JA-148, IS A STAMPED KC METRO DISK SET IN CONCRETE LOCATED 2 MILES WEST OF THE INTERSECTION OF HIGHWAY 50 AND 3RD ST. IT IS 44 FT NORTH OF THE CENTER OF 3RD ST. AND 102.5 FT WEST OF THE CENTER OF THE EXIT FROM THE ADJACENT PARKING LOT.

ELEV. 935.18

PROJECT BENCHMARK:

CHISELED "SQUARE" ON STORM CURB INLET AT NORTHWEST
INTERSECTION OF SW. TOWER PARK DRIVE AND SW. LONGVIEW
BOULEVARD.

NORTHING: 998893.4148
EASTING: 2803318.5413
ELEV. 1004.09

SCHLAGEL & ASSOCIATES, P.A.
Engineers • Planners • Surveyors • Landscape Architects
14920 West 107th Street • Lenexa, Kansas 66215
(913) 492-5158 • Fax: (913) 492-8400
WWW.SCHLAGELASOCIATES.COM
Missouri State Certificates of Authority
#E02002008600-F #LA2001008237 #LS2002008659-F



PERGOLA PARK 4TH PLAT
SANITARY MAIN EXTENSION PLANS

- LEE'S SUMMIT, MISSOURI

REVISION DATE	DESCRIPTION
1. 6-13-19	CITY COMMENTS
2. 6-26-19	CITY COMMENTS
3. 7-16-19	LINE B CHANGE
4. 2-10-2020	AS-BUILT'S
5.	
6.	
7.	
8.	
9.	

COVER SHEET

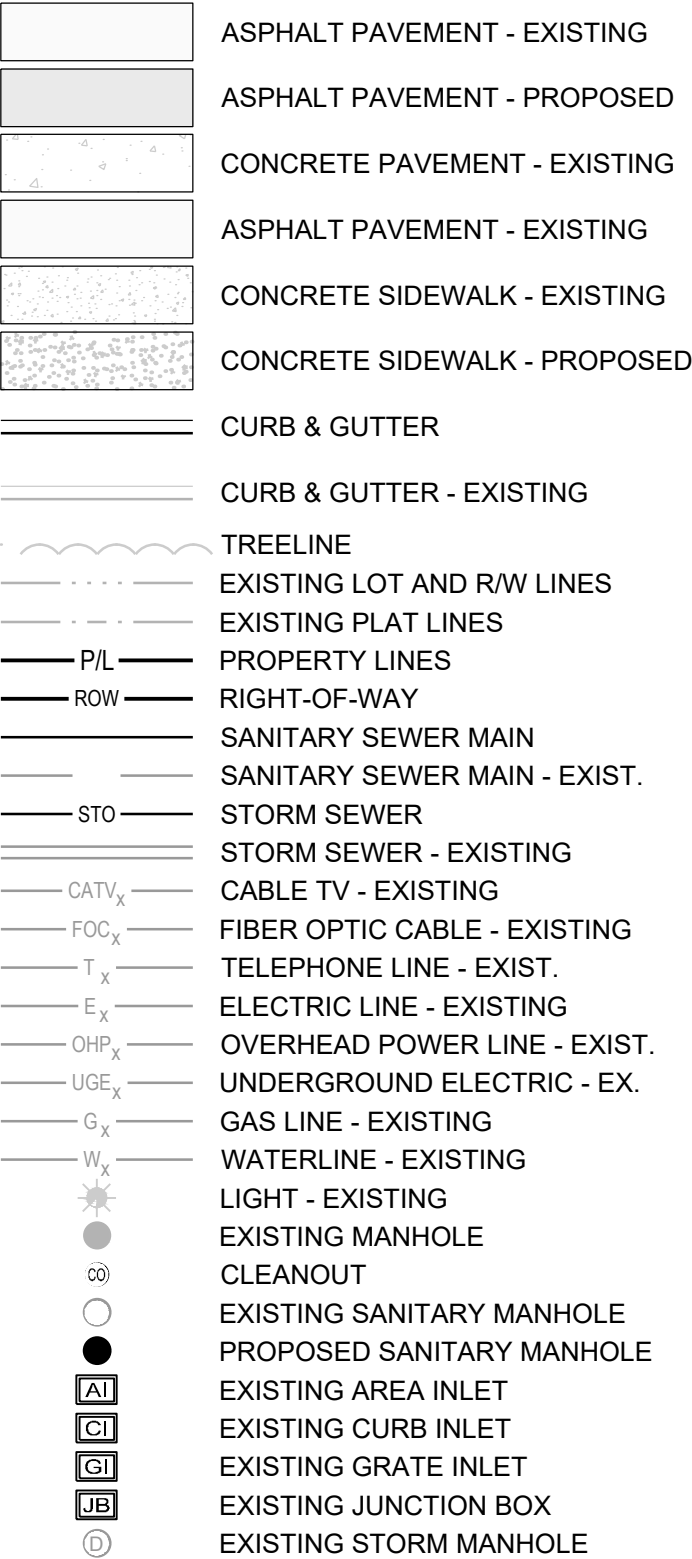
SHEET

1

OF 7

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 R/W | - 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 |

**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 64106
(816) 275-2341 or (816) 275-1550

COMCAST CABLE

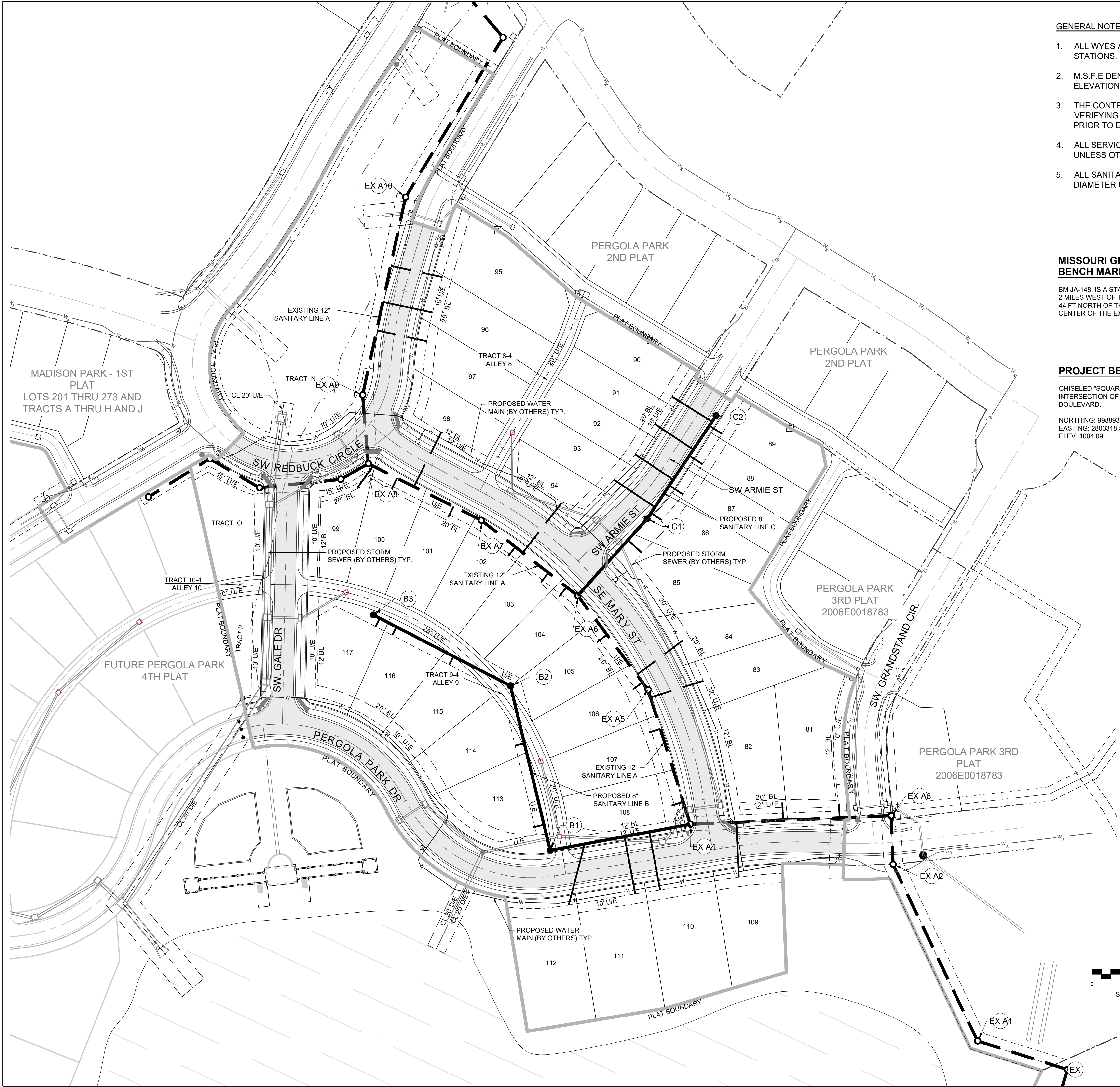
Barbara Brown
3400 W. Duncan Road
Blue Springs, MO 64015
(816) 795-2255

CITY OF LEE'S SUMMIT WATER UTILITIES

Mark Schaufler
1200 SE Hamblen Road
Lee's Summit, MO 64081
(816) 969-1900

SUMMARY OF QUANTITIES			
	ITEM	QUANTITY	UNITS
1	CONNECT TO EXISTING MANHOLE	2	EA
2	STANDARD 4' DIA. MANHOLE	5	EA
3	EXTRA DEPTH IN MANHOLE	18	VF
4	6" PVC SDR-26	885	LF
5	8" PVC SDR-26	735	LF
6	12" CLASS 50 D.I.P. WITH ZINC COATING EXTERIOR	20	LF
7	8" X 6" WYE CONNECTION	21	EA
8	EROSION CONTROL	1	LS
9	BONDS	1	LS
10	CLEAR AND GRUBBING	1	LS
11	COMPACTION TESTING	1	LS
12	ADJUST EX MANHOLE	7	EA.

I:\PROJECTS\2019\19-0023\0 DWG Plans\7 0 SAN\19-002-SAN-GEN.dwg, 2/11/2020 8:43:03 AM, 1:1



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:

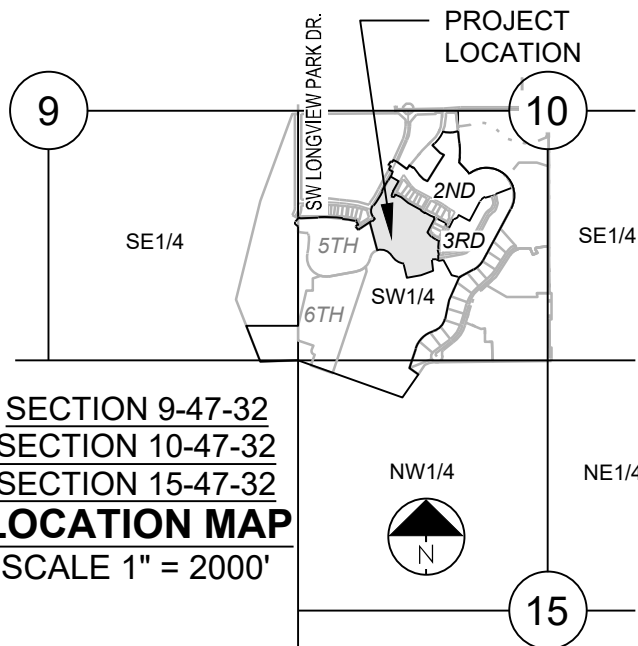
MISSOURI GEOGRAPHIC REFERENCE SYSTEM BENCH MARK:

BM JA-148, IS A STAMPED KC METRO DISK SET IN CONCRETE LOCATED 2 MILES WEST OF THE INTERSECTION OF HIGHWAY 50 AND 3RD ST. IT IS 44 FT NORTH OF THE CENTER OF 3RD ST, AND 102.5 FT WEST OF THE CENTER OF THE EXIT FROM THE ADJACENT PARKING LOT.

PROJECT BENCHMARK:

CHISELED "SQUARE" ON STORM CURB INLET AT NORTHWEST INTERSECTION OF SW. TOWER PARK DRIVE AND SW. LONGVIEW BOULEVARD.

NORTHING: 998893.4148
EASTING: 2803318.5413
ELEV. 1004.09



SECTION 9-47-32
SECTION 10-47-32
SECTION 15-47-32
LOCATION MAP
SCALE 1" = 2000'



PERGOLA PARK 4TH PLAT
SANITARY MAIN EXTENSION PLANS
- LEE'S SUMMIT, MISSOURI

SCHLAGEL & ASSOCIATES, P.A.
Engineers-Planners-Surveyors-Landscape Architects
14920 West 10th Street • Lenexa, Kansas 66215
(913) 492-5158 • Fax: (913) 492-8400
WWW.SCHLAGELASSOCIATES.COM
Missouri State Certificates of Authority
#E2002003600-F #LAC20100237 #LS200200859-F

REVISION DATE	DESCRIPTION
1 6-13-19	CITY COMMENTS
2 6-26-19	CITY COMMENTS
3 7-16-19	LINE B CHANGE
4 2-10-2020	AS-BUILT
5	
6	
7	
8	
9	

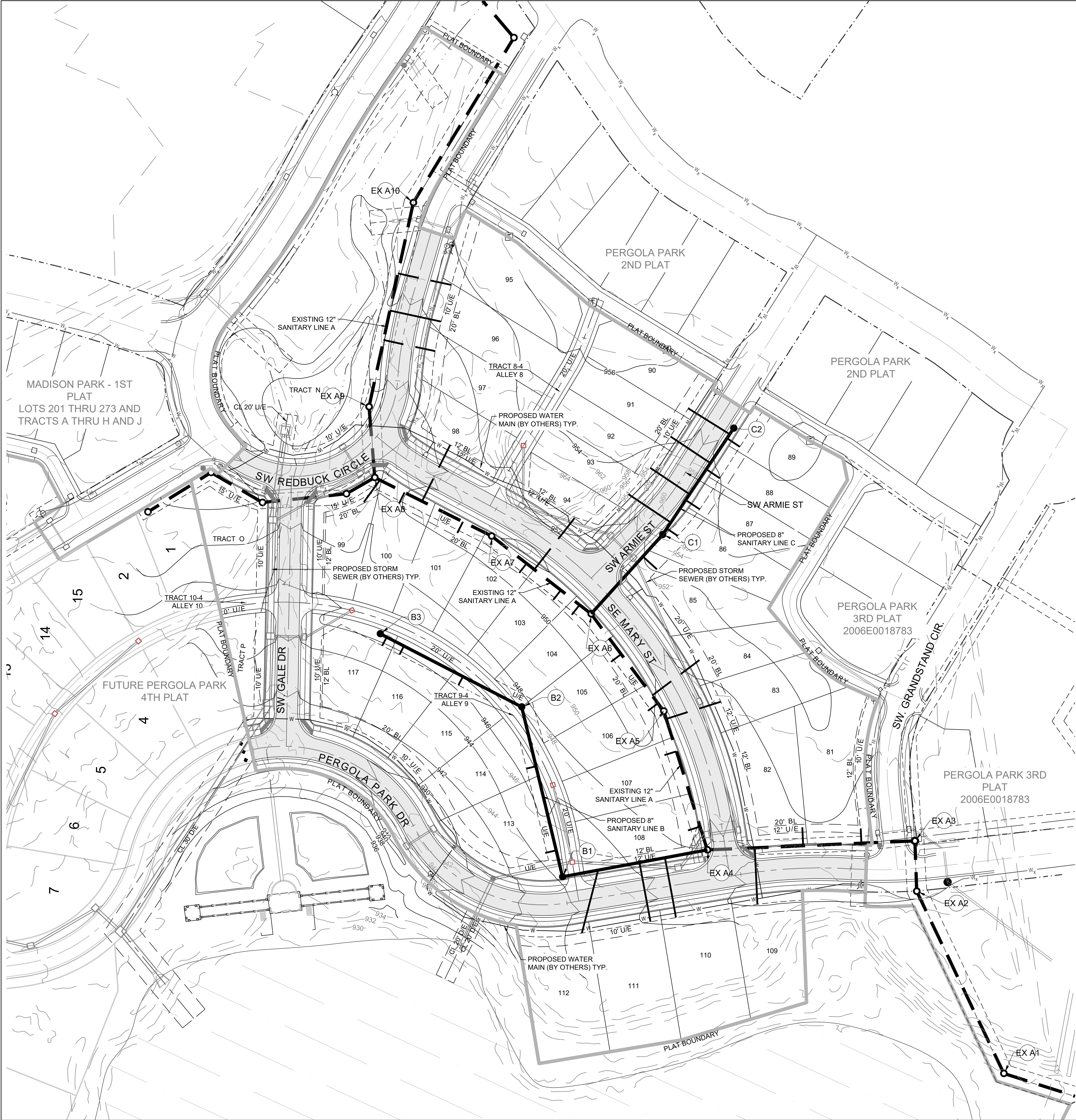
DRAWN BY:	BAL
CHECKED BY:	MAB
DATE PREPARED:	3-27-19
PROJ. NUMBER:	19-002

GENERAL LAYOUT

SHEET
2
OF 7

CONFORMING TO CONSTRUCTION RECORDS.
BAL 02.10.2020
BY DATE

I:\PROJECTS\2018\18-0023\0 DWG Plans\7 0 San\19-002-SAN-GEN.dwg, 2/11/2020 8:43:17 AM, 1:1



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:

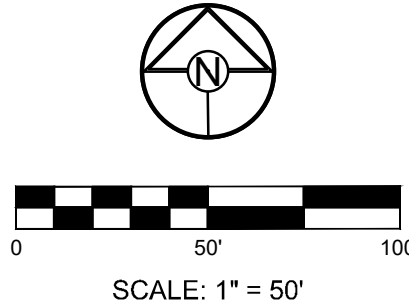
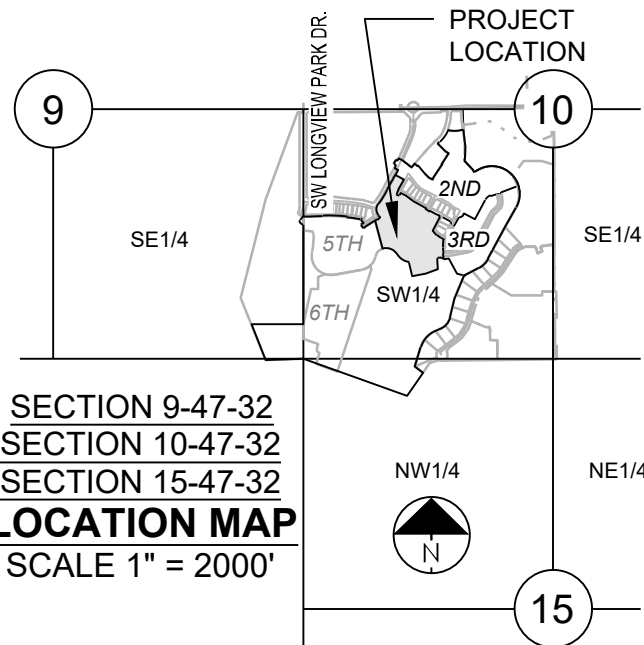
MISSOURI GEOGRAPHIC REFERENCE SYSTEM
BENCH MARK:

BM JA-148, IS A STAMPED KC METRO DISK SET IN CONCRETE LOCATED 2 MILES WEST OF THE INTERSECTION OF HIGHWAY 50 AND 3RD ST. IT IS 44 FT NORTH OF THE CENTER OF 3RD ST. AND 102.5 FT WEST OF THE CENTER OF THE EXIT FROM THE ADJACENT PARKING LOT.

PROJECT BENCHMARK:

CHISELED "SQUARE" ON STORM CURB INLET AT NORTHWEST INTERSECTION OF SW. TOWER PARK DRIVE AND SW. LONGVIEW BOULEVARD.

NORTHING: 998893.4148
EASTING: 2803318.5413
ELEV: 1004.09



CONFORMING TO CONSTRUCTION
RECORDS.

BAL 02.10.2020
BY DATE

PERGOLA PARK 4TH PLAT
SANITARY MAIN EXTENSION PLANS
- LEE'S SUMMIT, MISSOURI

REVISION DATE	DESCRIPTION
1 6-13-19	CITY COMMENTS
2 6-26-19	CITY COMMENTS
3 7-16-19	LINE B CHANGE
4 2-10-2020	AS-BUILTS
5	
6	
7	
8	
9	

DRAWN BY:	BAL
CHECKED BY:	MAB
DATE PREPARED:	2-27-19
PROJ. NUMBER:	19-002

GRADING PLAN

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:

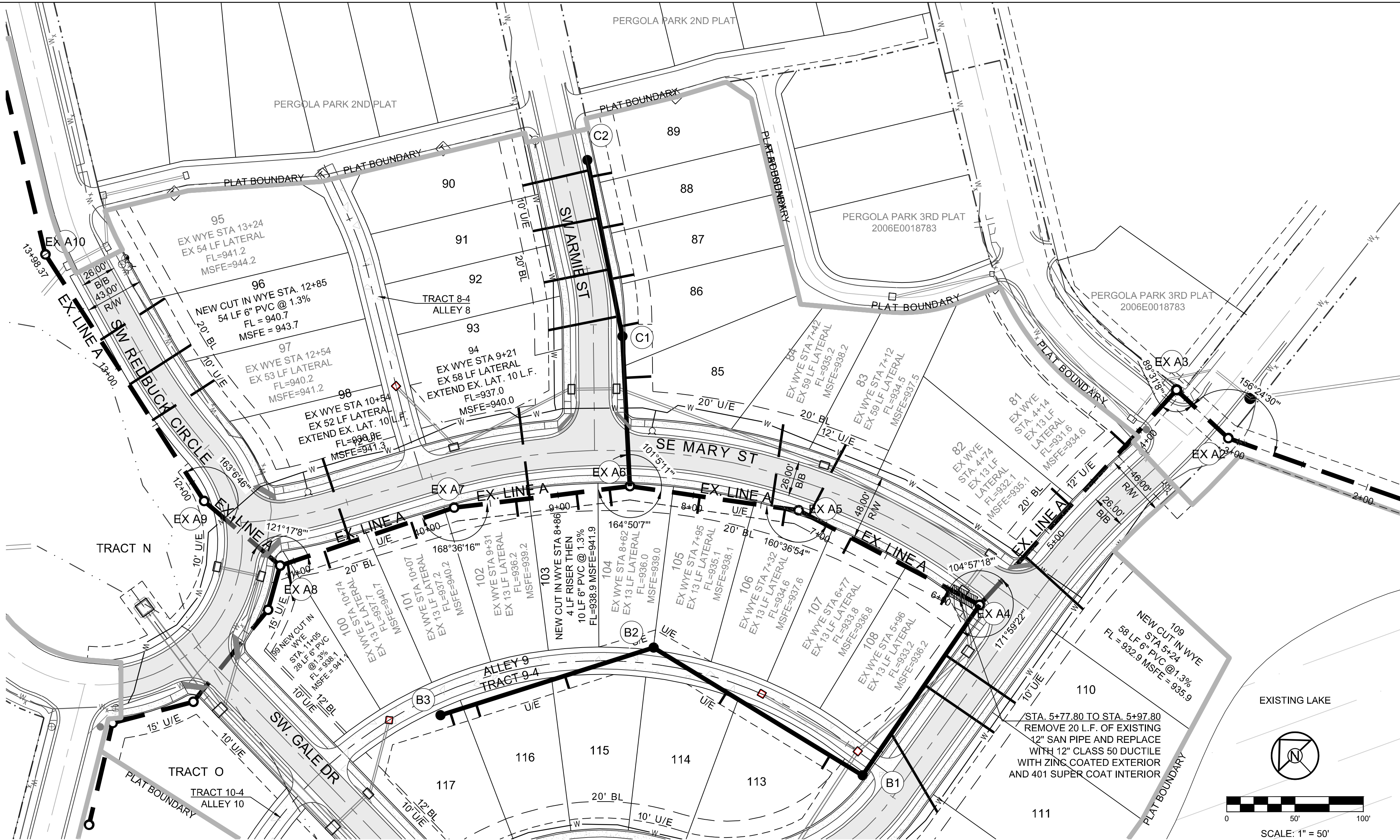
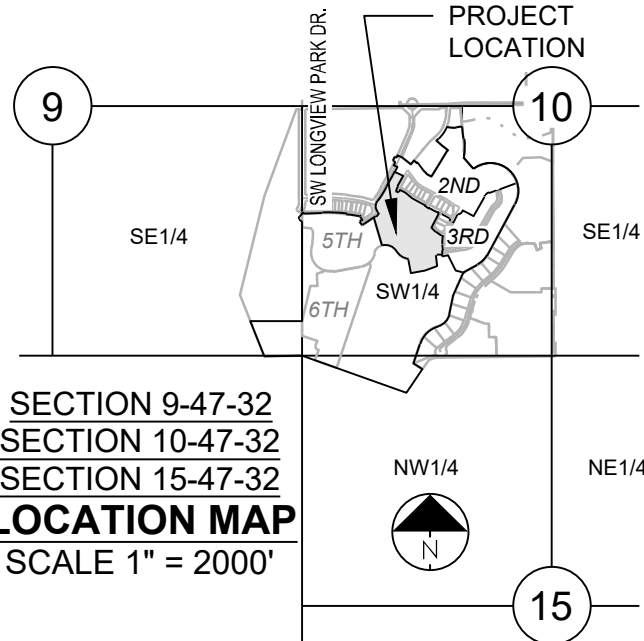
MISSOURI GEOGRAPHIC REFERENCE SYSTEM
BENCH MARK:

BM JA-148, IS A STAMPED KC METRO DISK SET IN CONCRETE LOCATED 2 MILES WEST OF THE INTERSECTION OF HIGHWAY 50 AND 3RD ST. IT IS 44 FT NORTH OF THE CENTER OF 3RD ST. AND 102.5 FT WEST OF THE CENTER OF THE EXIT FROM THE ADJACENT PARKING LOT.

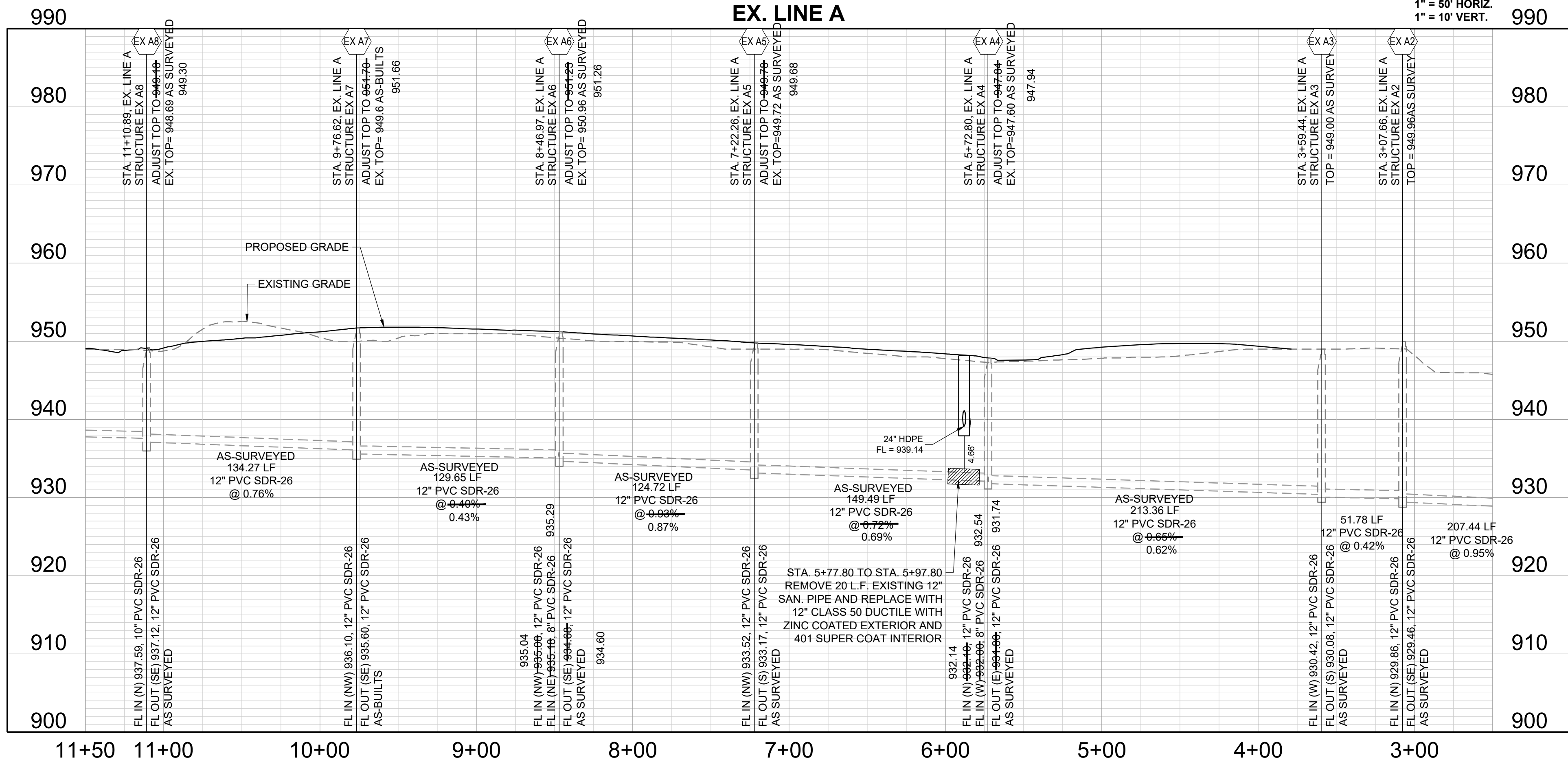
PROJECT BENCHMARK:

CHISELED "SQUARE" ON STORM CURB INLET AT NORTHWEST INTERSECTION OF SW. TOWER PARK DRIVE AND SW. LONGVIEW BOULEVARD.

NORTHING: 998893.4148
EASTING: 2803318.5413
ELEV. 1004.09



Structure Table		
Structure Name	Structure Northing	Structure Easting
EX A2	995763.4071	2804023.3079
EX A3	995815.1577	2804021.5066
EX A4	995805.8565	2803808.3541
EX A5	995948.4621	2803763.5267
EX A6	996048.3080	2803688.7926
EX A7	996128.1631	2803586.6583
EX A8	996188.3381	2803466.6226
EX A9	996260.9759	2803460.7011
EX A10	996470.7091	2803506.1491



CONFORMING TO CONSTRUCTION
RECORDS.
BAL 02.10.2020
BY DATE

PERGOLA PARK 4TH PLAT
SANITARY MAIN EXTENSION PLANS

- LEE'S SUMMIT, MISSOURI

SCHLAGEL & ASSOCIATES, P.A.
Engineers-Planners-Surveyors-Landscape Architects
14920 West 107th Street • Lenexa, Kansas 66215
(913) 492-5158 • Fax: (913) 492-8400
WWW.SCHLAGELASSOCIATES.COM
Missouri State Certificates of Authority
#E2002003600-F #LAC2001003237 #LS200200859-F

REVISION DATE	DESCRIPTION
6-13-19	CITY COMMENTS
6-26-19	CITY COMMENTS
7-16-19	LINE B CHANGE
2-10-2020	AS-BUILTS

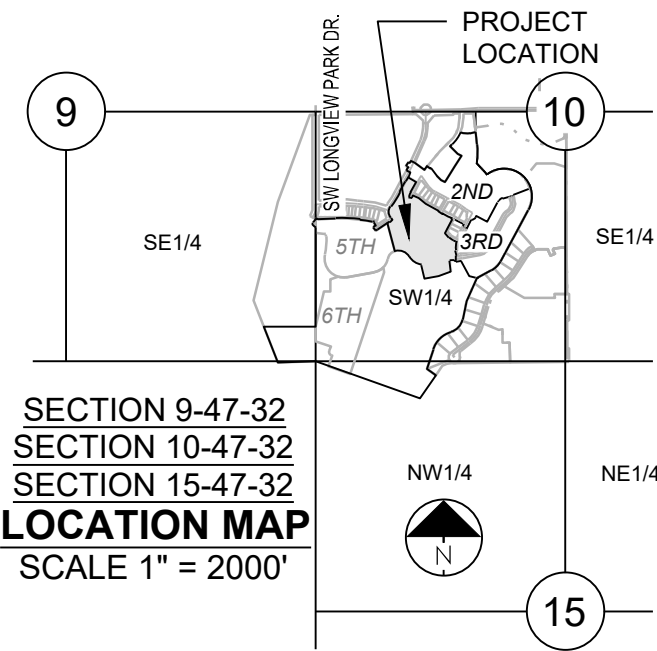
DRAWN BY:	BAL
CHECKED BY:	MAB
DATE PREPARED:	3-27-19
PROJ. NUMBER:	19-002

EX. LINE A PLAN & PROFILE

SHEET 4 OF 7

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:



MISSOURI GEOGRAPHIC REFERENCE SYSTEM BENCH MARK:

BM JA-148, IS A STAMPED KC METRO DISK SET IN CONCRETE LOCATED 2 MILES WEST OF THE INTERSECTION OF HIGHWAY 50 AND 3RD ST. IT IS 44 FT NORTH OF THE CENTER OF 3RD ST. AND 102.5 FT WEST OF THE CENTER OF THE EXIT FROM THE ADJACENT PARKING LOT.

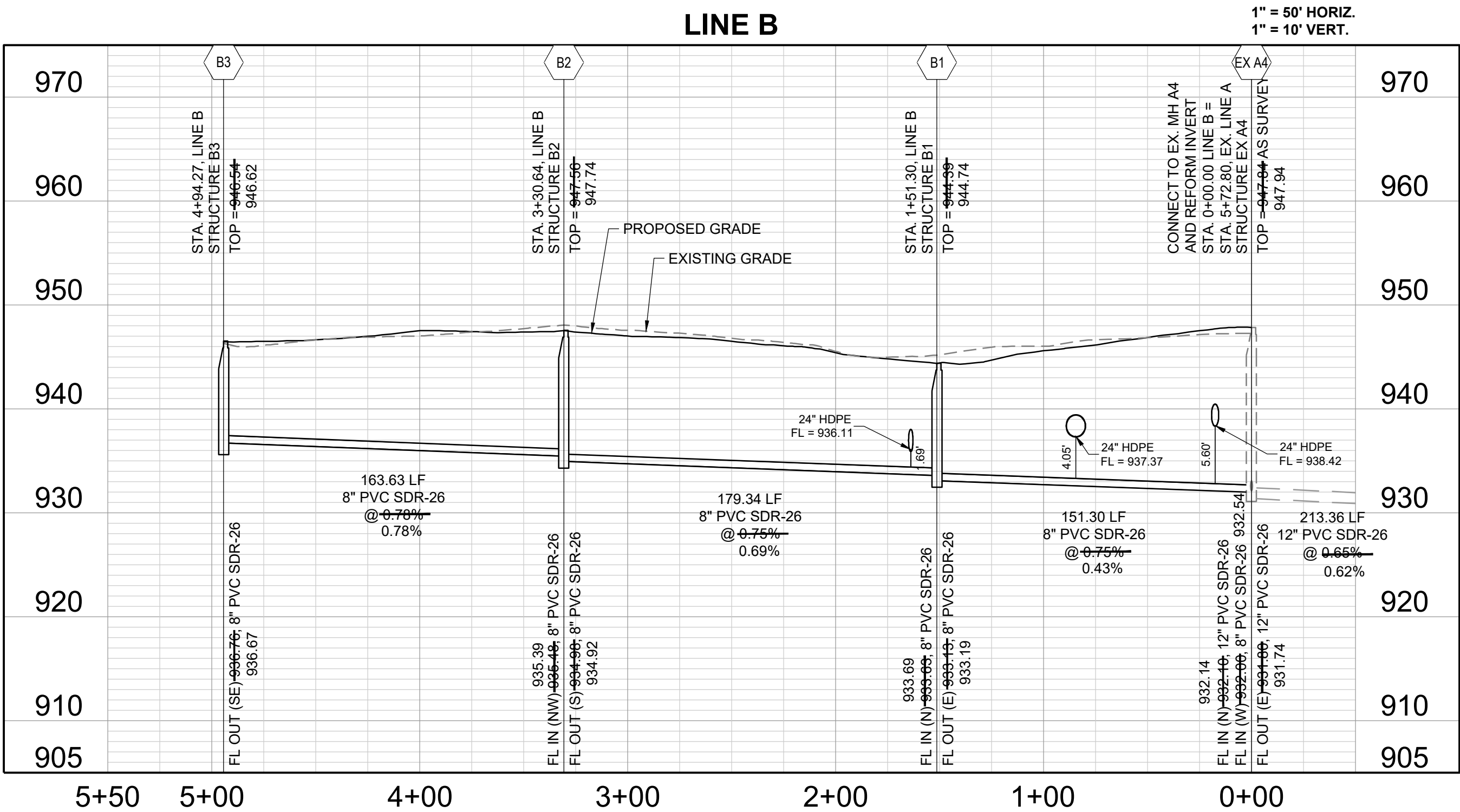
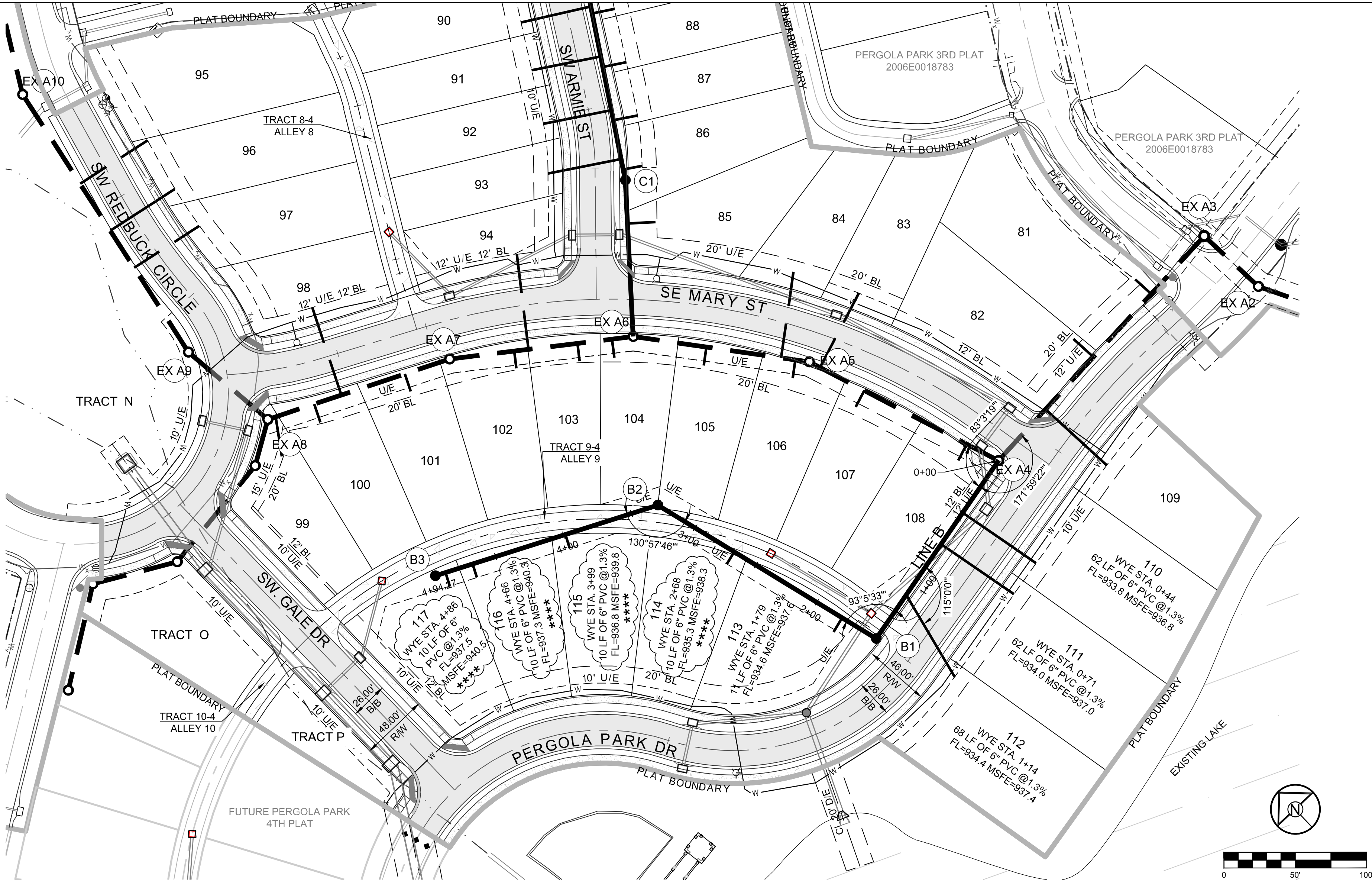
PROJECT BENCHMARK:

CHISELED "SQUARE" ON STORM CURB INLET AT NORTHWEST INTERSECTION OF SW. TOWER PARK DRIVE AND SW. LONGVIEW BOULEVARD.

NORTHING: 999893.4148
EASTING: 2803318.5413
ELEV: 1004.09



BASEMENT MAY NEED
SANITARY LIFT PUMP
FOR SERVICE



Structure Table		
Structure Name	Structure Northing	Structure Easting
B1	995778.3232	2803659.5800
B2	995952.6550	2803617.4773
B3	996027.9185	2803472.1878
EX A4	995805.8565	2803808.3541

CONFORMING TO CONSTRUCTION RECORDS.
BAL 02.10.2020
BY DATE

SCHLAGEL & ASSOCIATES, P.A.
Engineers • Planners • Surveyors • Landscape Architects
14920 West 107th Street • Lenexa, Kansas 66215
(913) 492-5158 • Fax: (913) 492-8400
WWW.SCHLAGELASSOCIATES.COM
Missouri State Certificates of Authority
#E2002003600-F #LAC200100237 #LS200200859-F

PERGOLA PARK 4TH PLAT
SANITARY MAIN EXTENSION PLANS

- LEE'S SUMMIT, MISSOURI

REVISION DATE	DESCRIPTION
1/13/19	CITY COMMENTS
6/26/19	CITY COMMENTS
7/16/19	LINE B CHANGE
2/10/2020	AS-BUILTS
3/27/19	
19-002	PROJ. NUMBER

LINE B PLAN & PROFILE

SHEET

5
OF 7

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:

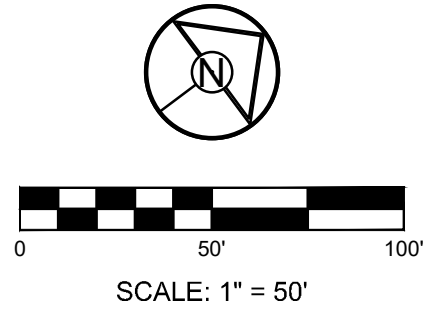
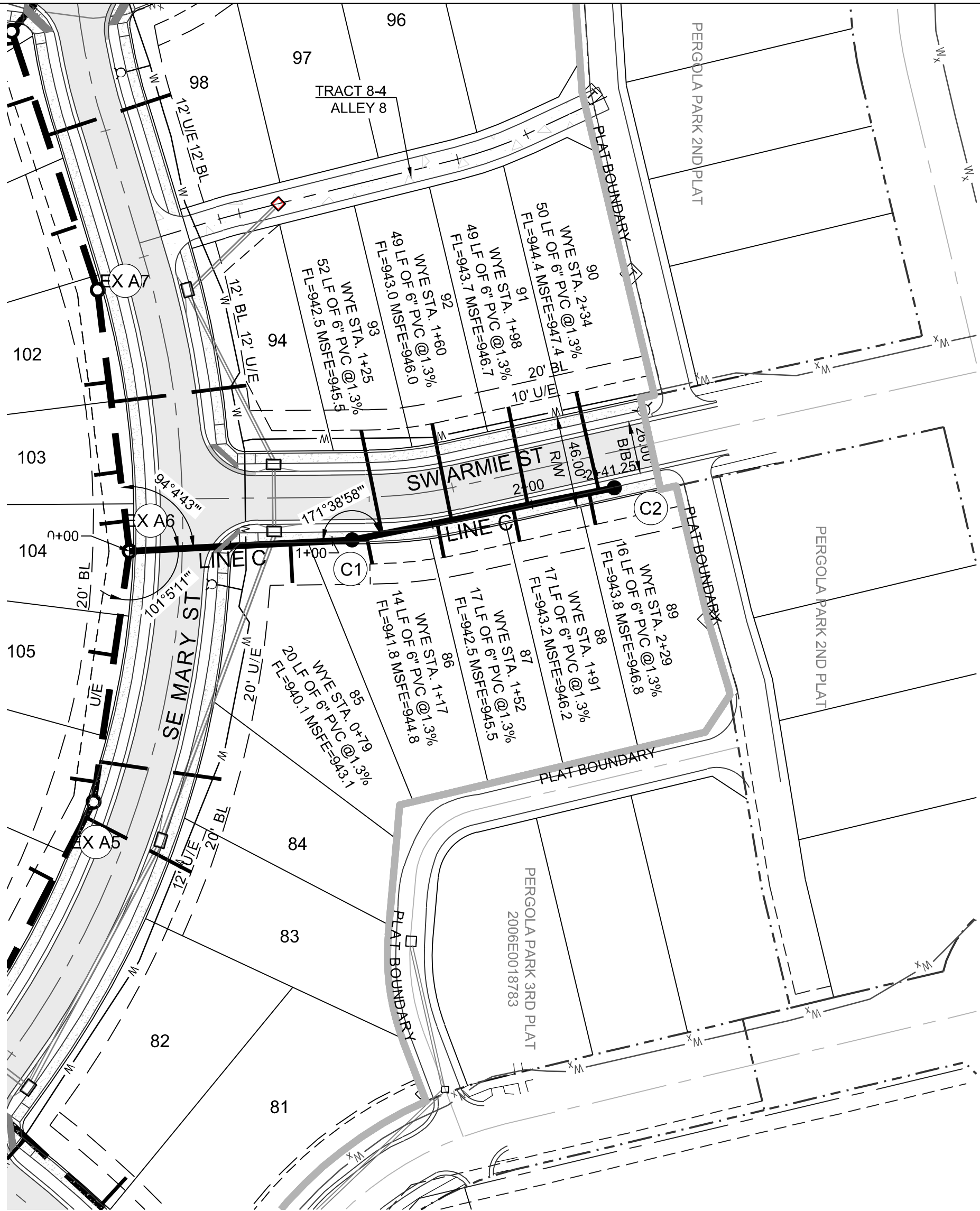
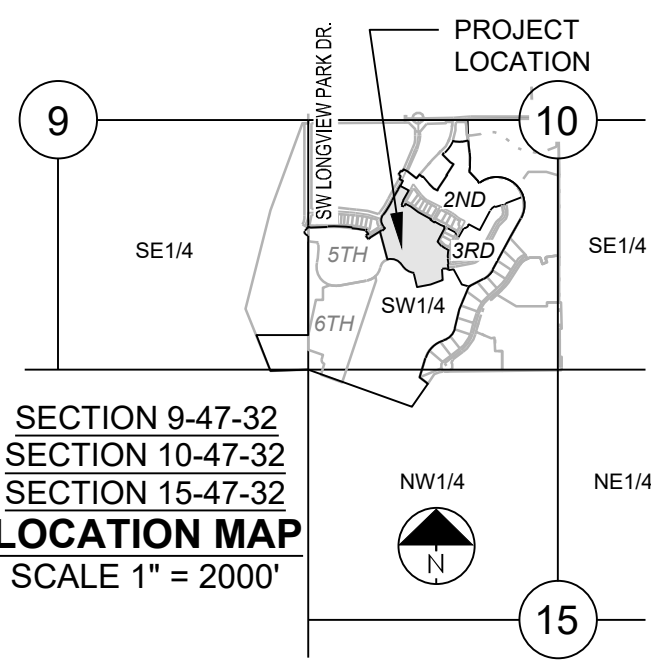
MISSOURI GEOGRAPHIC REFERENCE SYSTEM
BENCH MARK:

BM JA-148, IS A STAMPED KC METRO DISK SET IN CONCRETE LOCATED 2 MILES WEST OF THE INTERSECTION OF HIGHWAY 50 AND 3RD ST. IT IS 44 FT NORTH OF THE CENTER OF 3RD ST. AND 102.5 FT WEST OF THE CENTER OF THE EXIT FROM THE ADJACENT PARKING LOT.

PROJECT BENCHMARK:

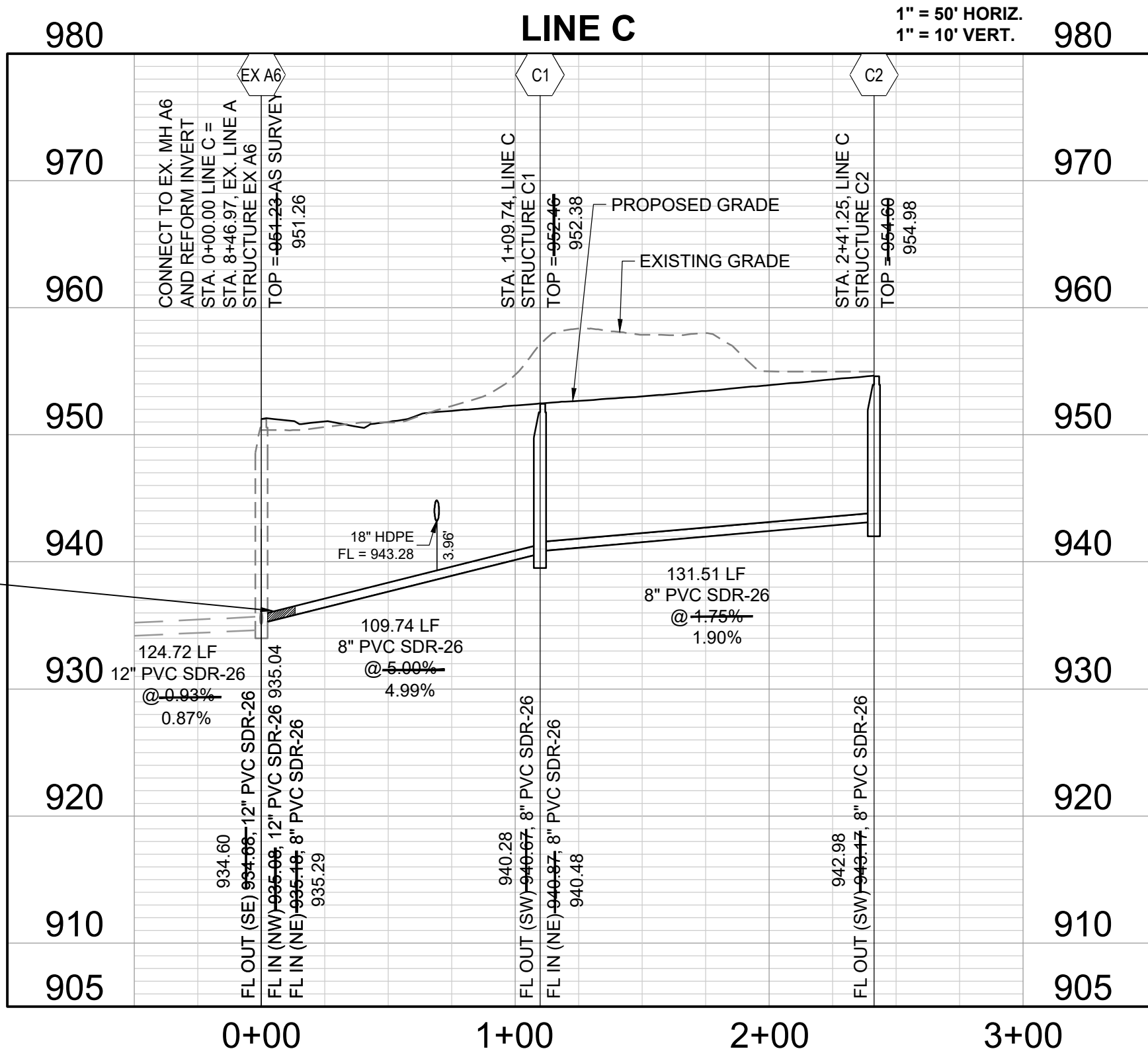
CHISELED "SQUARE" ON STORM CURB INLET AT NORTHWEST INTERSECTION OF SW. TOWER PARK DRIVE AND SW. LONGVIEW BOULEVARD.

NORTHING: 998893.4148
EASTING: 2803318.5413
ELEV. 1004.09



Structure Table		
Structure Name	Structure Northing	Structure Easting
C1	996129.7335	2803762.3637
C2	996239.0857	2803835.4262
EX A6	996048.3080	2803688.7926

REMOVE 10 L.F. OF EX.
8" PVC AND REINSTALL
AT NEW 5.00% SLOPE

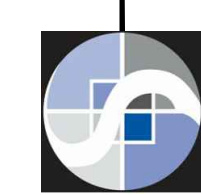


CONFORMING TO CONSTRUCTION
RECORDS.

BAL 02.10.2020
BY DATE

PERGOLA PARK 4TH PLAT
SANITARY MAIN EXTENSION PLANS

- LEE'S SUMMIT, MISSOURI



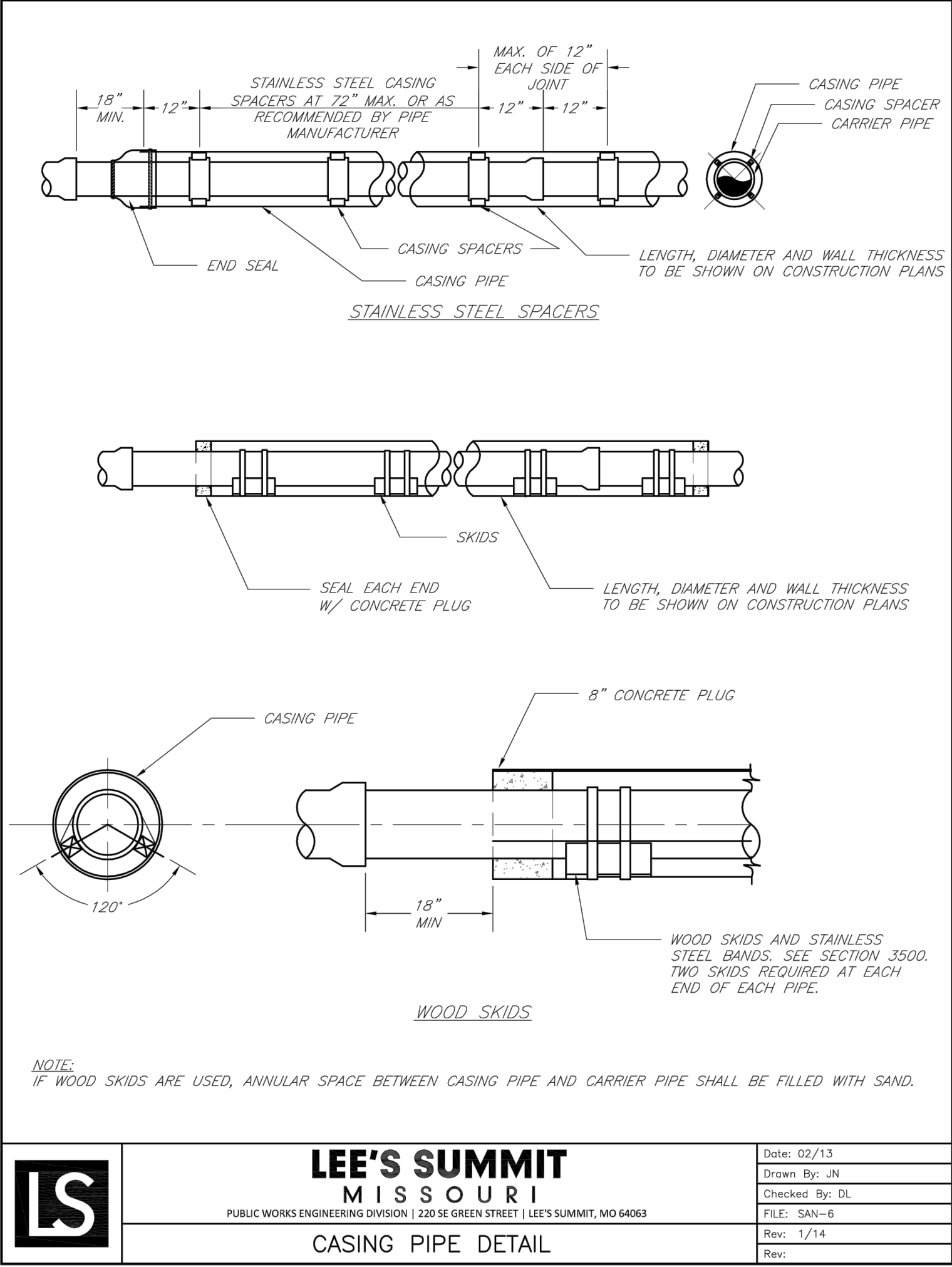
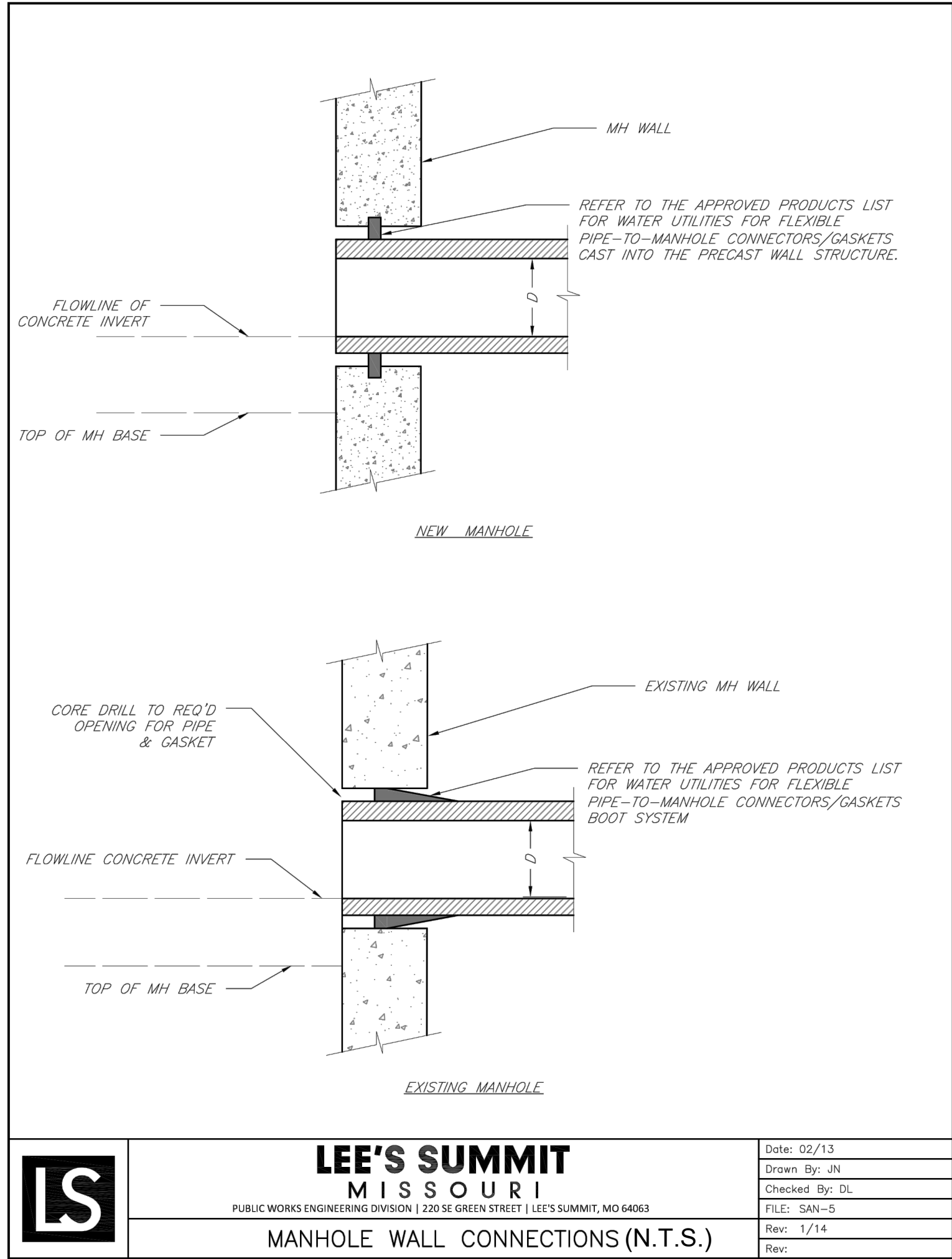
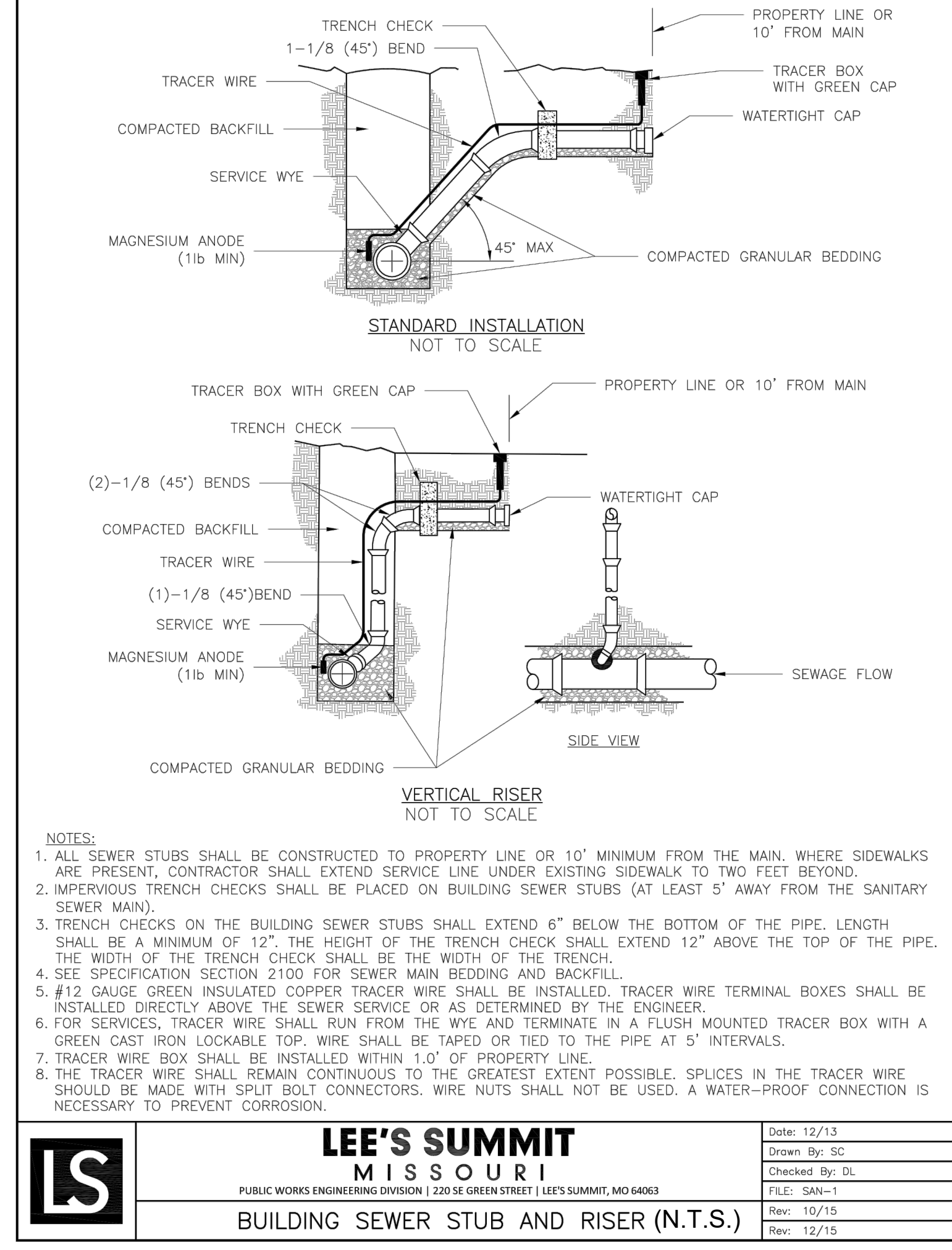
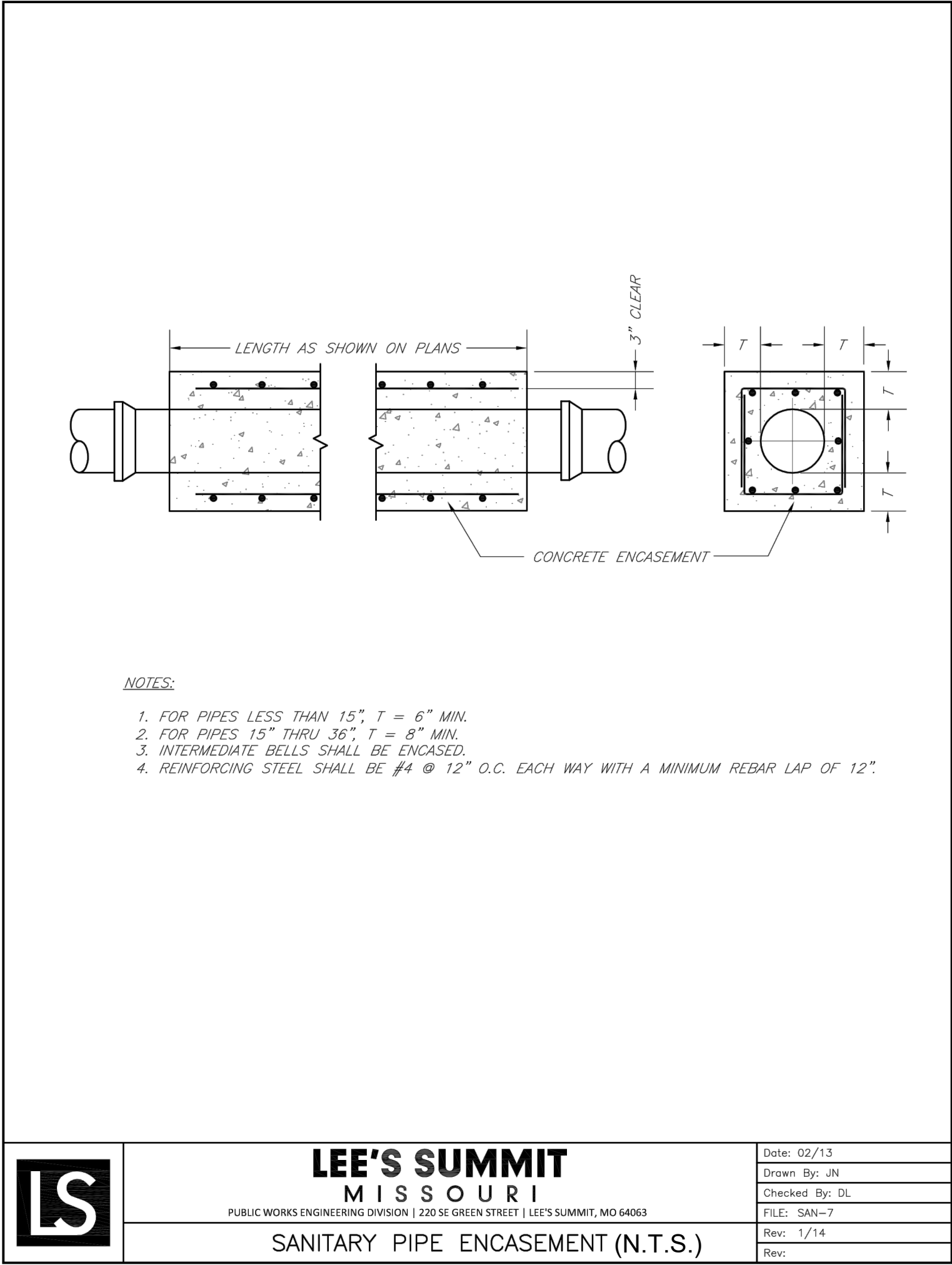
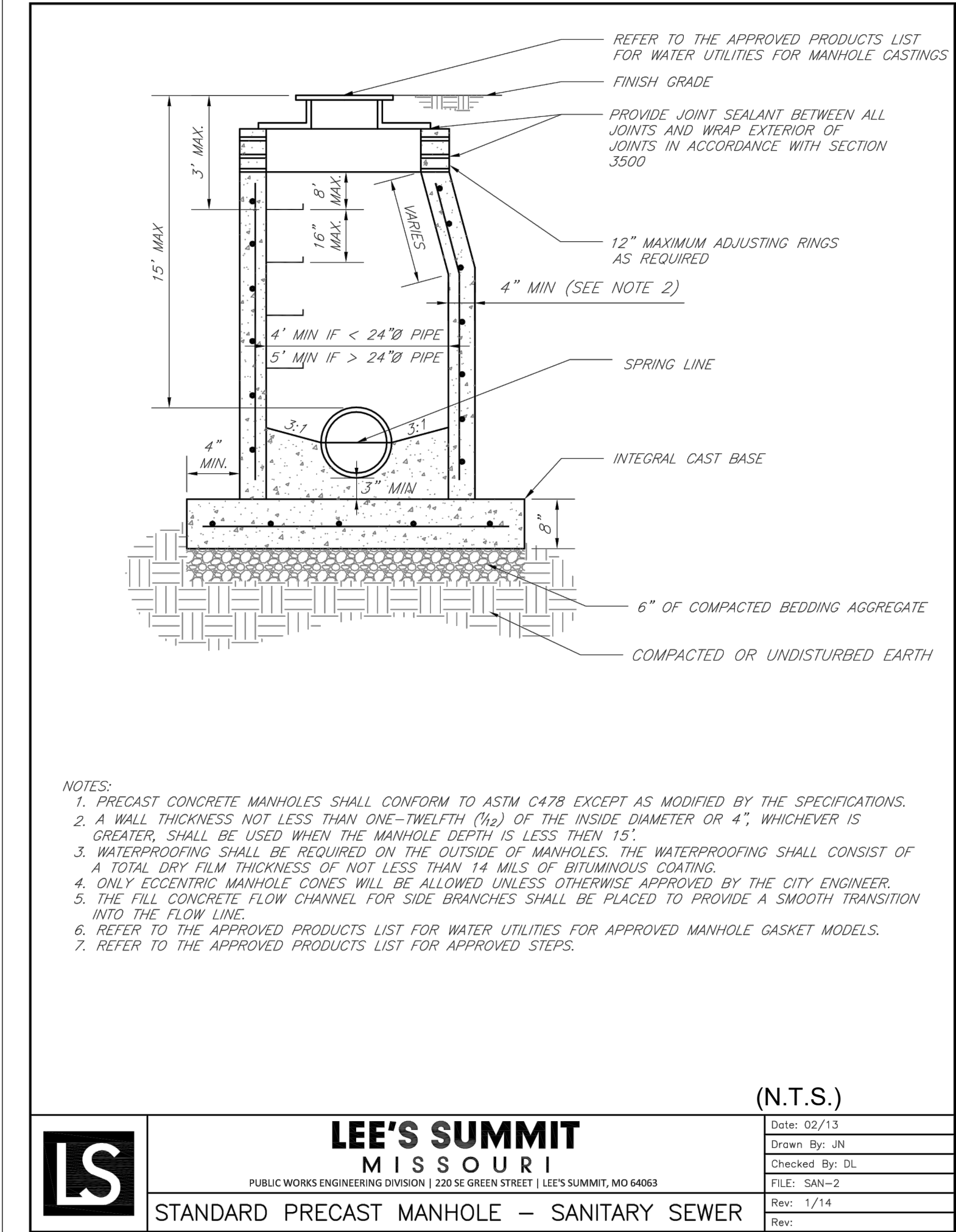
SCHLAGEL & ASSOCIATES, P.A.
Engineers • Planners • Surveyors • Landscape Architects
14920 West 107th Street • Lenexa, Kansas 66215
(913) 492-5158 • Fax: (913) 492-8400
WWW.SCHLAGELASSOCIATES.COM
Missouri State Certificates of Authority
#E2002003600-F #LAC200100237 #LS200200859-F

REVISION DATE	DESCRIPTION
1/13/19	CITY COMMENTS
2/26/19	CITY COMMENTS
7/16/19	LINE B CHANGE
2/10/20	AS-BUILTS
3/27/19	DATE PREPARED
19/02	PROJ. NUMBER

LINE C PLAN &
PROFILE

SHEET

6
OF 7



CONFORMING TO CONSTRUCTION RECORDS.

BAL 02.10.2020

BY DATE

REVISION DATE	DESCRIPTION
1 6-13-19	CITY COMMENTS
2 6-26-19	CITY COMMENTS
3 7-16-19	LINE B CHANGE
4 2-10-2020	AS-BUILTS
5	
6	
7	
8	
9	

DRAWN BY:	CITY COMMENTS
BAL	
CHECKED BY:	CITY COMMENTS
MAB	
DATE PREPARED:	
3-27-19	
PROJ. NUMBER:	
19-002	

DETAIL SHEET