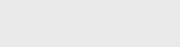
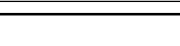
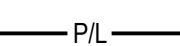
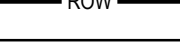
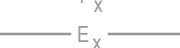
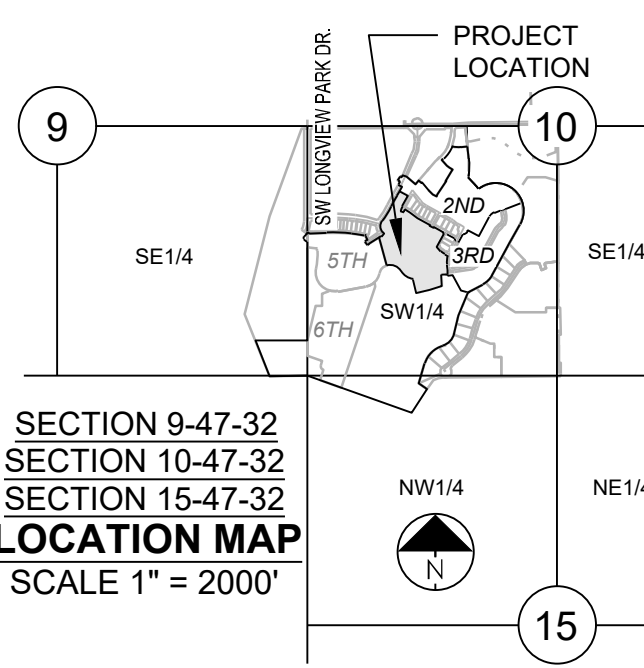


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| LEGEND:                                                                             |                                       |
|-------------------------------------------------------------------------------------|---------------------------------------|
| 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                  |
|    | ASPHALT PAVEMENT - EXISTING           |
|    | ASPHALT PAVEMENT - PROPOSED           |
|    | CONCRETE PAVEMENT - EXISTING          |
|    | ASPHALT PAVEMENT - EXISTING           |
|    | CONCRETE SIDEWALK - EXISTING          |
|    | CONCRETE SIDEWALK - PROPOSED          |
|    | CURB & GUTTER                         |
|    | CURB & GUTTER - EXISTING              |
|    | TREELINE                              |
|    | EXISTING LOT AND R/W LINES            |
|    | EXISTING PLAT LINES                   |
|    | PROPERTY LINES                        |
|    | 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                |



#### 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) 735-2255

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

# SANITARY MAIN EXTENSION PLANS FOR PERGOLA PARK 4TH PLAT IN THE CITY OF LEE'S SUMMIT JACKSON COUNTY, MISSOURI

#### 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 INSPECTIONS AT: 816-969-1800 TO OBTAIN A DEVELOPMENT SERVICES CONSTRUCTION PERMIT. A MINIMUM 48 HOUR NOTICE SHALL BE GIVEN PRIOR TO PERMIT ISSUANCE.
- THE CONTRACTOR SHALL CONTACT THE CITY'S EROSION CONTROL SPECIALIST AT: 816-969-1800 PRIOR TO ANY LAND DISTURBANCE.
- THE CONTRACTOR SHALL CONTACT THE RIGHT OF WAY INSPECTOR AT 816-969-1800 PRIOR TO ANY LAND DISTURBANCE ACTIVITIES WITHIN THE RIGHT OF WAY. THESE ACTIVITIES MAY REQUIRE A PERMIT.
- 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).

#### 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 sanitary sewer lines, manholes, and sanitary sewer service laterals, as measured from edge to edge. If minimum separations can not be obtained, concrete encasement of the sanitary 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.
- All excavation is considered unclassified, unless noted otherwise. Unclassified excavation for utility trenching is subsidiary to the unit price provided for the pipe. Any quantity provided for rock excavation is estimated based on the best information provided to the Project Engineer. The Engineer has the authority to identify and define the physical characteristics to determine the classification. Unit price quantities for rock excavation will be paid at a trench width of the nominal pipe diameter of the installed main plus 18 inches. Contractor is required to dispose of excess rock from their trenches by disposing it in areas as specified by the Project Engineer.

| Sheet List Table |                           |
|------------------|---------------------------|
| Sheet Number     | Sheet Title               |
| 1                | COVER SHEET               |
| 2                | GENERAL LAYOUT            |
| 3                | GRADING PLAN              |
| 4                | EX. LINE A PLAN & PROFILE |
| 5                | LINE B PLAN & PROFILE     |
| 6                | LINE C PLAN & PROFILE     |
| 7                | DETAIL SHEET              |

#### PREPARED AND SUBMITTED BY:

SCHLAGEL & ASSOCIATES, P.A.

#### APPROVED BY:

CITY ENGINEER  
APPROVED FOR ONE YEAR FROM THIS DATE

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

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

SCHLAGEL & ASSOCIATES, P.A.  
Engineers-Planners-Surveyors-Landscape Architects  
14920 West 107th Street • Lenexa, Kansas 66215  
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WWW.SCHLAGELASSOCIATES.COM  
Missouri State Certificates of Authority  
#E2002003600-F #AC200100237 #LS200200859-F



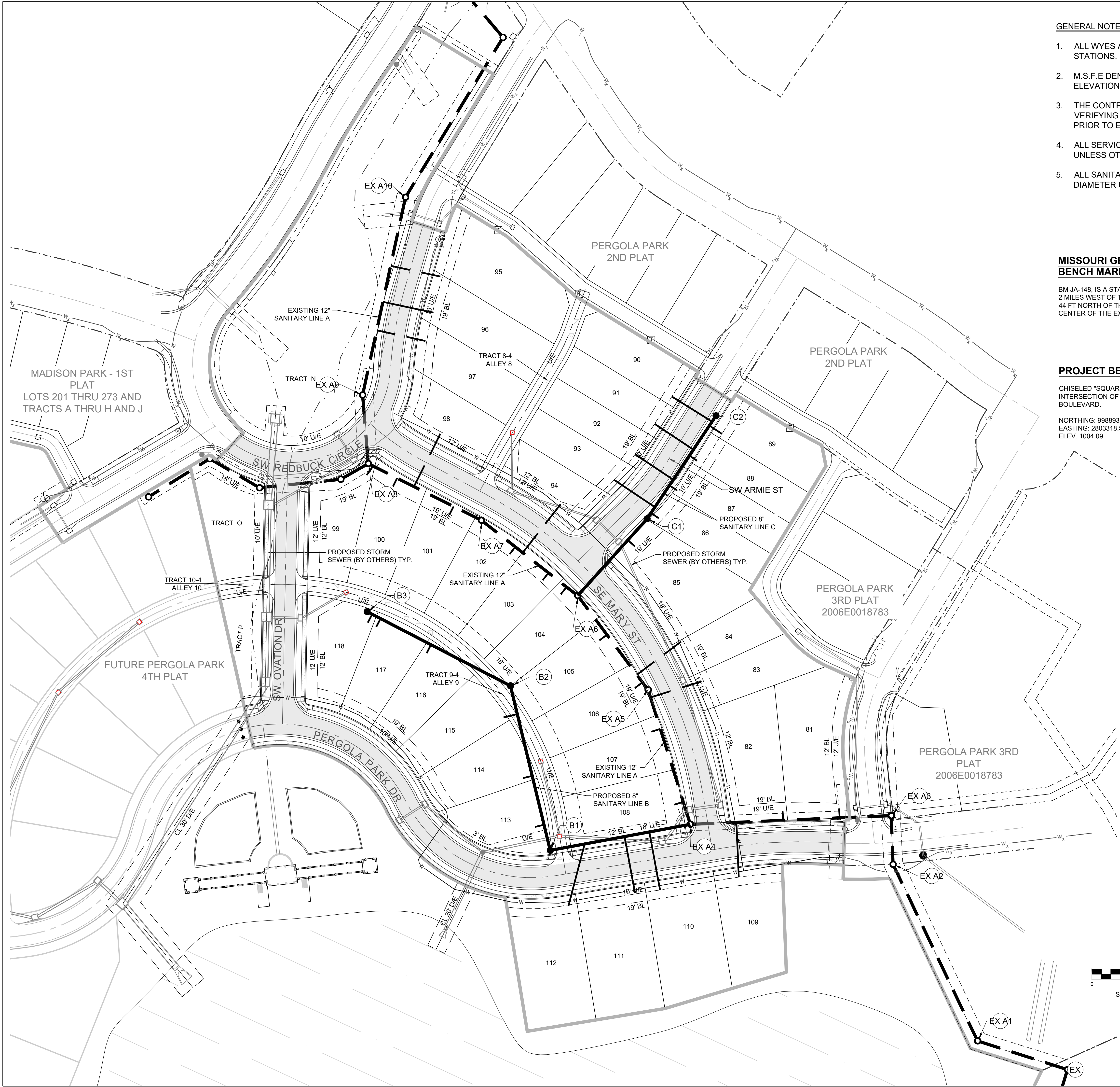
## PERGOLA PARK 4TH PLAT SANITARY MAIN EXTENSION PLANS

- LEE'S SUMMIT, MISSOURI

| REVISION       |         | DESCRIPTION |
|----------------|---------|-------------|
| DRAWN BY:      | BAL     |             |
| CHECKED BY:    | MAB     |             |
| DATE PREPARED: | 5-27-19 |             |
| PROJ. NUMBER:  | 19-002  |             |
| COVER SHEET    |         |             |
| SHEET          |         |             |
| 1              |         |             |
| OF 7           |         |             |



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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:

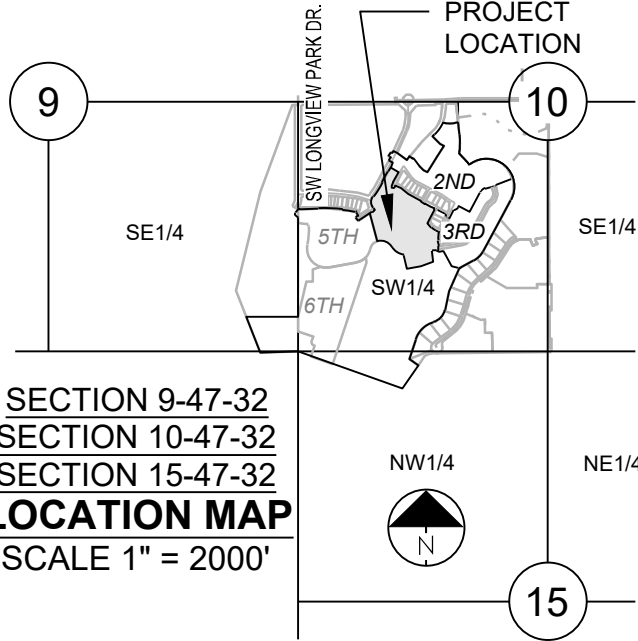
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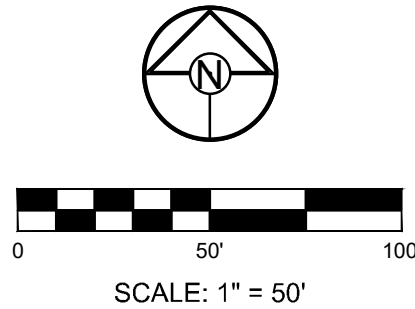
PROJECT BENCHMARK:

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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'



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PERGOLA PARK 4TH PLAT  
SANITARY MAIN EXTENSION PLANS

- LEE'S SUMMIT, MISSOURI

| REVISION DATE | DESCRIPTION |
|---------------|-------------|
| 1             |             |
| 2             |             |
| 3             |             |
| 4             |             |
| 5             |             |
| 6             |             |
| 7             |             |
| 8             |             |
| 9             |             |
| 10            |             |

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

GENERAL LAYOUT

SHEET  
2  
OF 7







GENERAL NOTES:

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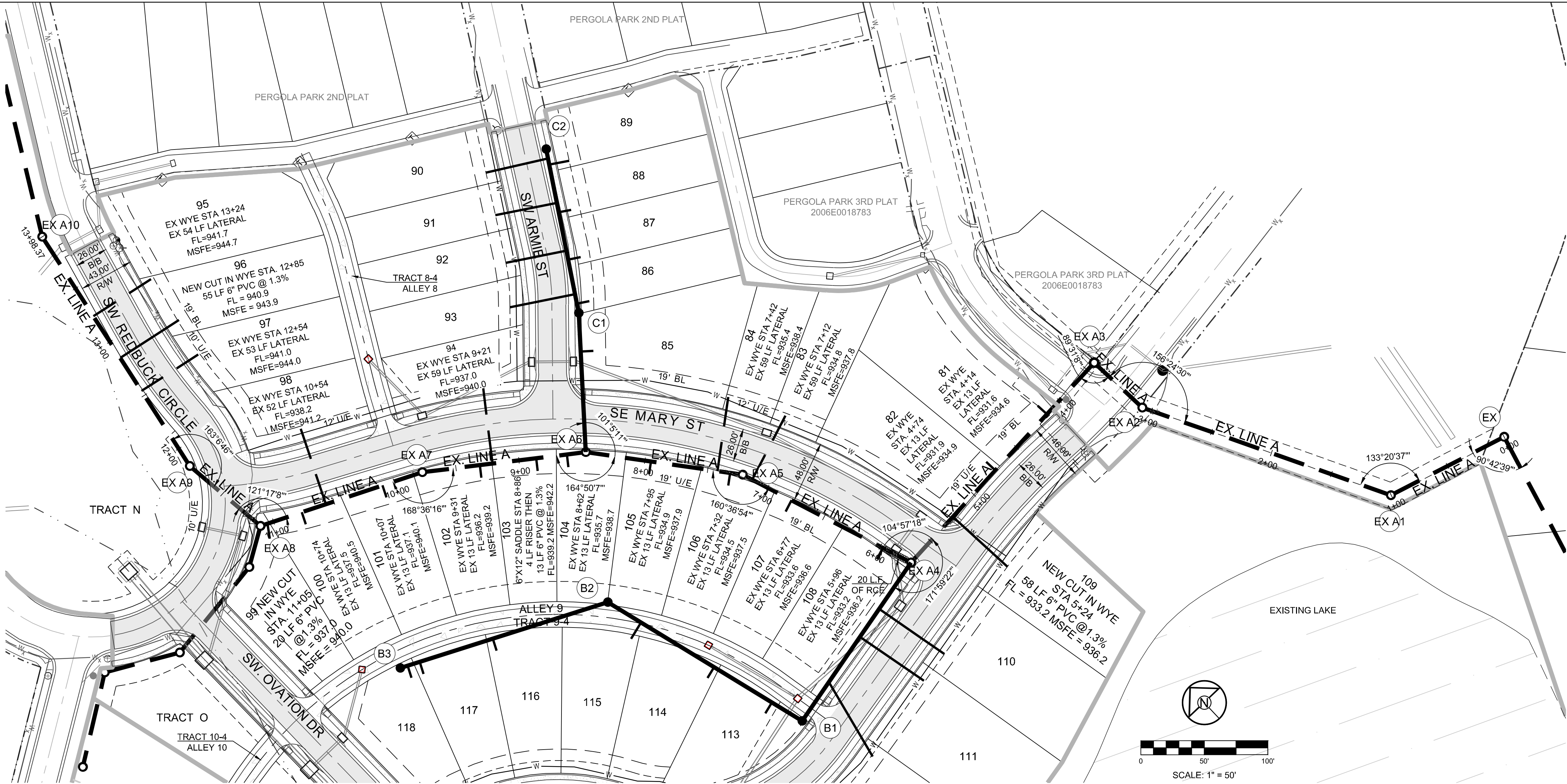
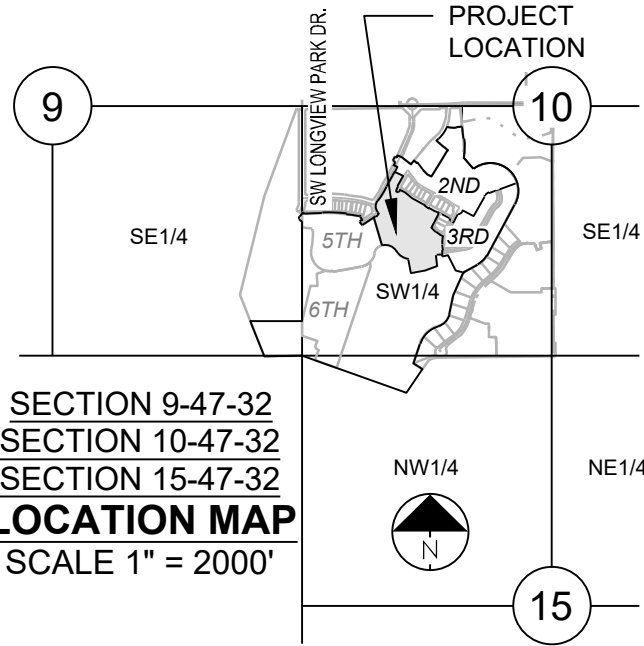
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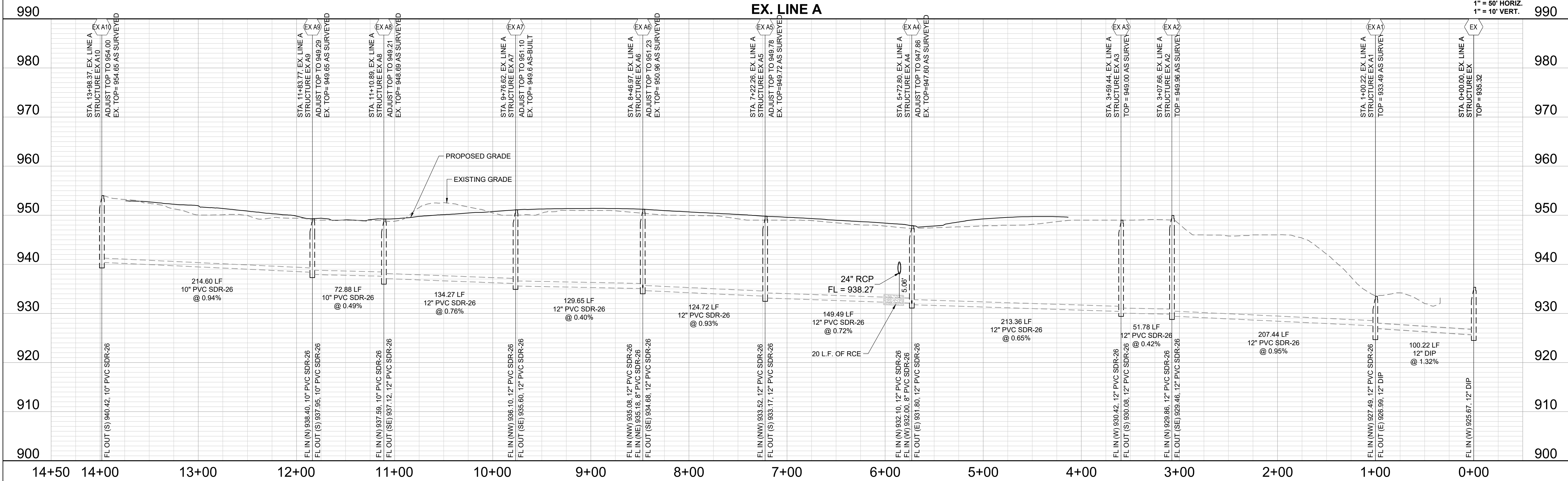
PROJECT BENCHMARK:

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NORTHING: 998893.4148  
EASTING: 2803318.5413  
ELEV. 1004.09



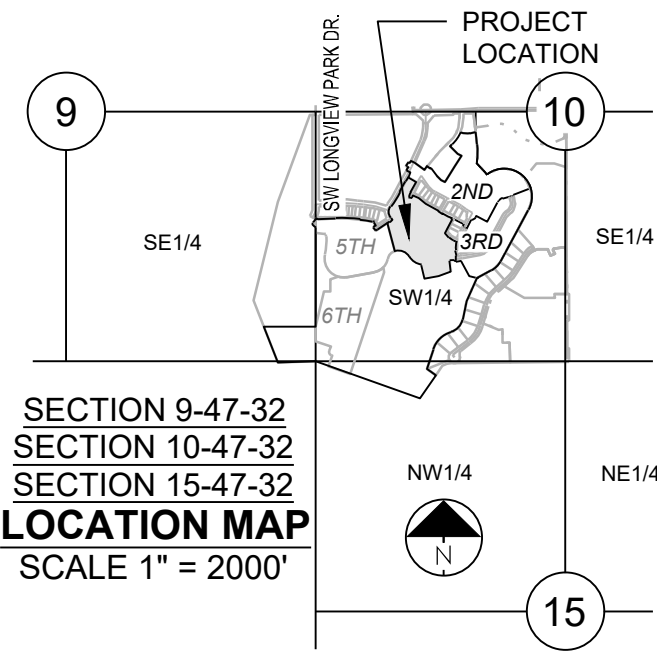
EX. LINE A





GENERAL NOTES:

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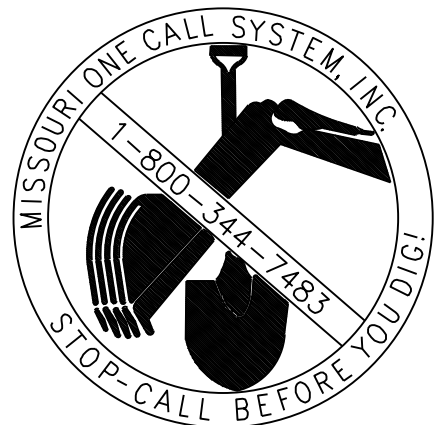
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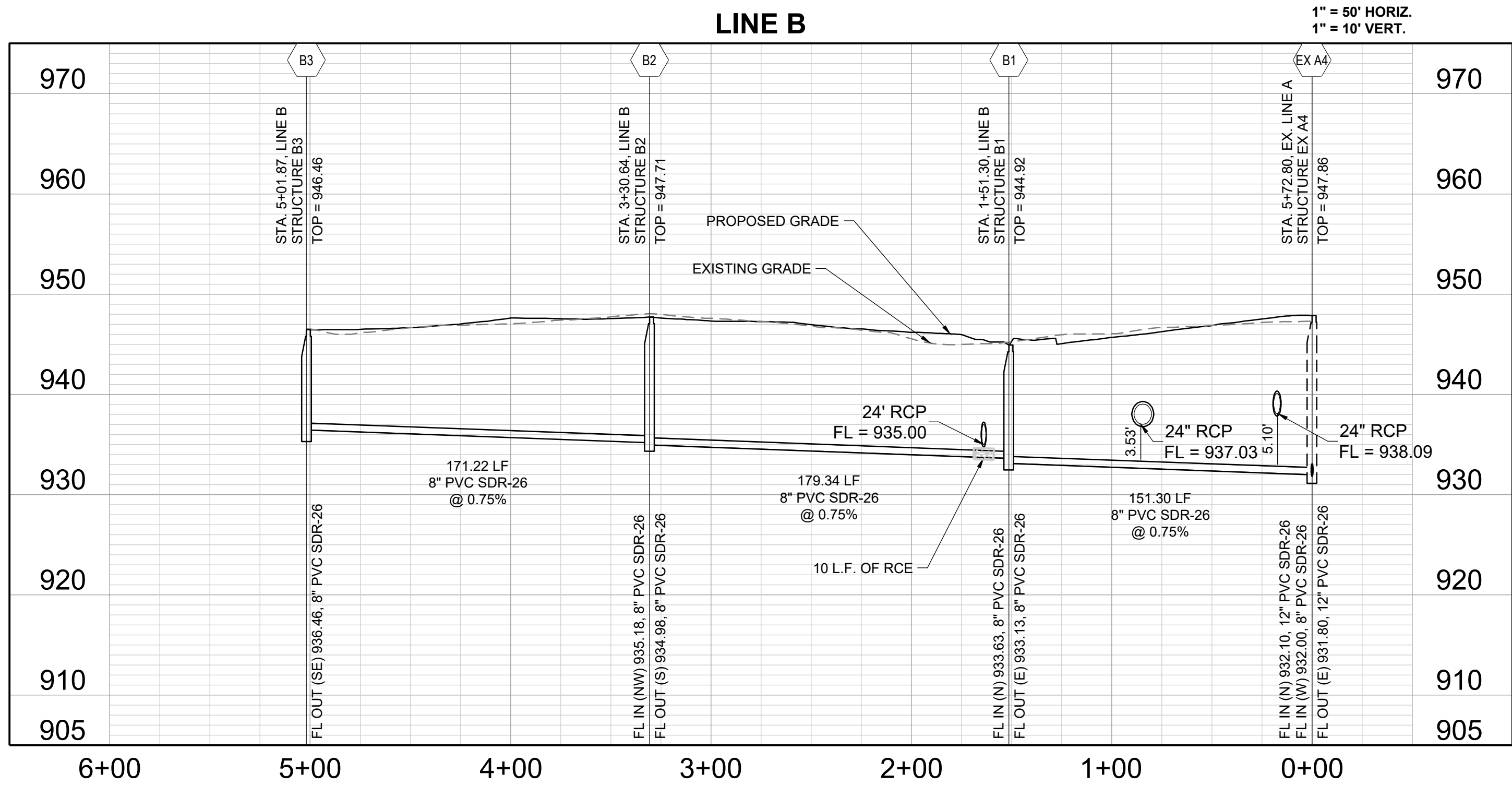
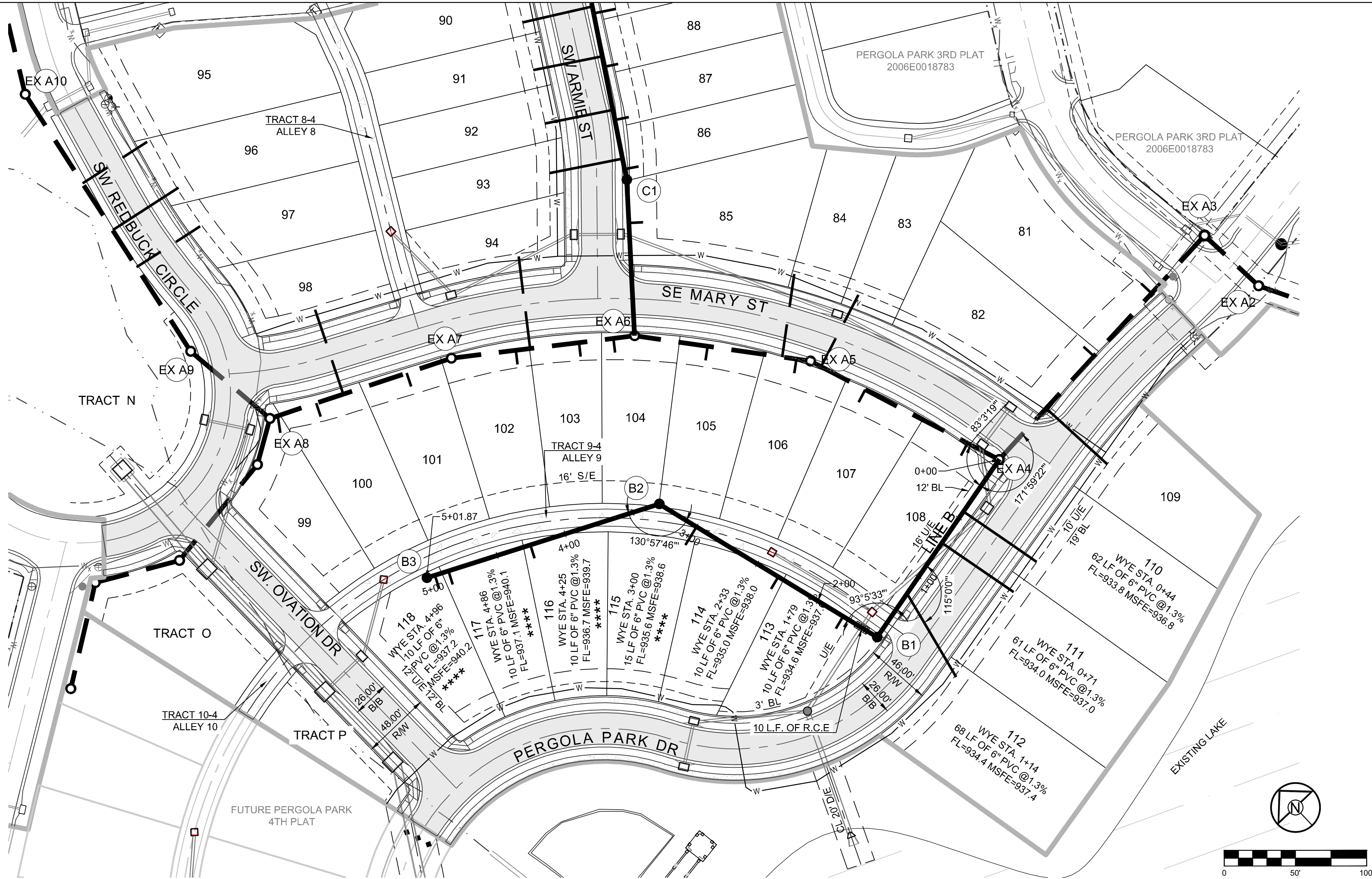
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NORTHING: 9998993.4148  
EASTING: 2803318.5413  
ELEV: 1004.09



\*\*\*\*  
BASEMENT MAY NEED  
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PERGOLA PARK 4TH PLAT  
SANITARY MAIN EXTENSION PLANS  
- LEE'S SUMMIT, MISSOURI

| REVISION DATE | DESCRIPTION            |
|---------------|------------------------|
| 1/1/20        | 1. INITIAL DESIGN      |
| 2/1/20        | 2. PRELIMINARY DESIGN  |
| 3/1/20        | 3. PRELIMINARY DESIGN  |
| 4/1/20        | 4. PRELIMINARY DESIGN  |
| 5/1/20        | 5. PRELIMINARY DESIGN  |
| 6/1/20        | 6. PRELIMINARY DESIGN  |
| 7/1/20        | 7. PRELIMINARY DESIGN  |
| 8/1/20        | 8. PRELIMINARY DESIGN  |
| 9/1/20        | 9. PRELIMINARY DESIGN  |
| 10/1/20       | 10. PRELIMINARY DESIGN |

LINE B PLAN & PROFILE

SHEET  
5  
OF 7



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