





PUBLIC STREETS

| TABLE LS-2: MINIMUM ASPHALT PAVEMENT THICKNESSES |                 |                  |               |                      |                                       |                                     |
|--------------------------------------------------|-----------------|------------------|---------------|----------------------|---------------------------------------|-------------------------------------|
| Street Classification                            | Pavement Option | AC Surface (in.) | AC Base (in.) | Aggregate Base (in.) | Chemical Subgrade Stabilization (in.) | Geogrid / Geotextile <sup>(1)</sup> |
| Residential Local/Access                         | A               | 2                | 4             | 6                    | 6                                     | --                                  |
|                                                  | B               | 2                | 4             | 10                   | --                                    | Geogrid / Geotextile                |
| Residential Collector                            | A               | 2                | 5.5           | 6                    | 9                                     | --                                  |
|                                                  | B               | 2                | 5.5           | 12                   | --                                    | Geogrid / Geotextile                |
| Commercial Industrial Local/Collector            | A               | 2                | 7.5           | 6                    | 9                                     | --                                  |
|                                                  | B               | 2                | 7.5           | 12                   | --                                    | Geogrid / Geotextile                |

Notes:  
(1) Geogrid shall be polypropylene material and Geotextile shall be woven, polypropylene as shown in the City's Approved Products List

| Asphalt location                                                                        | Mix Type | Recycled Mix Allowed? | Upper PG Limit | Lower PG limit |
|-----------------------------------------------------------------------------------------|----------|-----------------------|----------------|----------------|
| Industrial/Arterial surface                                                             | 5 or 6   | no                    | 70 or greater  | -22 or less    |
| Base courses greater than 2 inches below the surface on industrial and arterial streets | 5        | yes                   | 64 or greater  | -22 or less    |
| Local and Collector surface                                                             | 5 or 6   | no                    | 64 or greater  | -22 or less    |
| Base courses greater than 2 inches below the surface on local and collector streets     | 5        | yes                   | 64 or greater  | -22 or less    |

RELEASED FOR CONSTRUCTION  
As Noted on Plan Review  
  
Development Services Department  
Lee's Summit, Missouri  
  
07/13/2023

PREPARED BY:



SCHLAGEL & ASSOCIATES, P.A.

REUNION AT BLACKWELL  
PUBLIC STREET AND STORM SEWER PLANS  
  
SE SHENANDOAH DRIVE LEE'S SUMMIT, MO

STREET NOTES:

- ALL STREET CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL. ALL APPLICABLE AASHTO STANDARDS HAVE BEEN MET.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING UTILITY LOCATIONS PRIOR TO EXCAVATION.
- ALL INSPECTION OF STREET CONSTRUCTION TO BE PERFORMED BY THE CITY OF LEE'S SUMMIT DEVELOPMENT ENGINEERING.
- CURB RETURN RADII SHALL BE 25' AT BACK OF CURB UNLESS OTHERWISE NOTED.
- SUBGRADE TO BE COMPACTED TO 95% STANDARD PROCTOR DENSITY.
- ASSUMED DESIGN SPEED = 25 MPH (RESIDENTIAL LOCAL).
- MINIMUM STOPPING SIGHT DISTANCE = 155 FEET.
- MINIMUM K, SAG CURVE = 26 (14 WITH LIGHTING), CREST CURVE = 12.
- GRADE INTERSECTIONS TO DRAIN AS SHOWN.
- SSD = STOPPING SIGHT DISTANCE.
- ALL ADA SIDEWALK RAMPS SHALL BE CONSTRUCTED BY THE DEVELOPER WITH THE PUBLIC INFRASTRUCTURE.

MO GRS BENCHMARK:

STATION NAME - JA-90

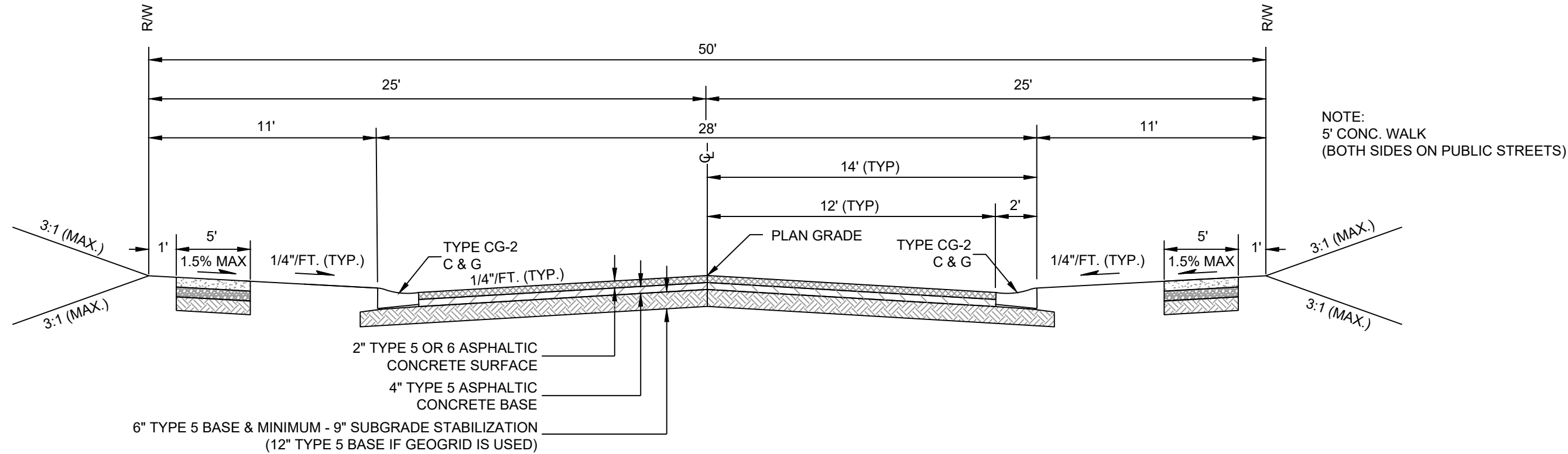
KC METRO ALUMINUM GRS DISK SET IN CONCRETE STAMPED "JA-90, 1988"  
LOCATED NEAR THE INTERSECTION OF LANGSFORD ROAD AND OLD LANGSFORD ROAD, 43 FEET SOUTHEAST OF THE CENTER OF LANGSFORD ROAD AND 32 FEET NORTH OF THE CENTER OF OLD LANGSFORD ROAD.  
N:1001052.8503, E:2845604.8272

ELEV. 997.045

PROJECT BENCHMARK:

"SQUARE" CUT IN TOP OF CONCRETE STORM MANHOLE  
STORM MANHOLE IS LOCATED APPROX. 130 FEET EAST OF THE INTERSECTION OF SE JOEL AVE & BLUE PARKWAY AND 26 FEET SOUTH OF THE CENTERLINE OF BLUE PARKWAY.  
N:996874.9690, E:2840937.1365

ELEV. 1005.719



PUBLIC STREETS  
RESIDENTIAL LOCAL  
SE WOOD LANE STA. 0+48.00 TO STA. 4+50.61  
SE HIGHLAND PARK DRIVE STA. 0+39.00 TO STA. 11+28.09  
SE 5TH STREET STA. 17+85.61 TO STA. 25+50.00  
SE CORINNE DRIVE STA. 25+50.00 TO STA. 31+77.53  
(NTS)

| REVISION | DATE       | DESCRIPTION       |
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| 1        | 05/05/2023 | PER CITY COMMENTS |
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TYPICAL  
SECTIONS

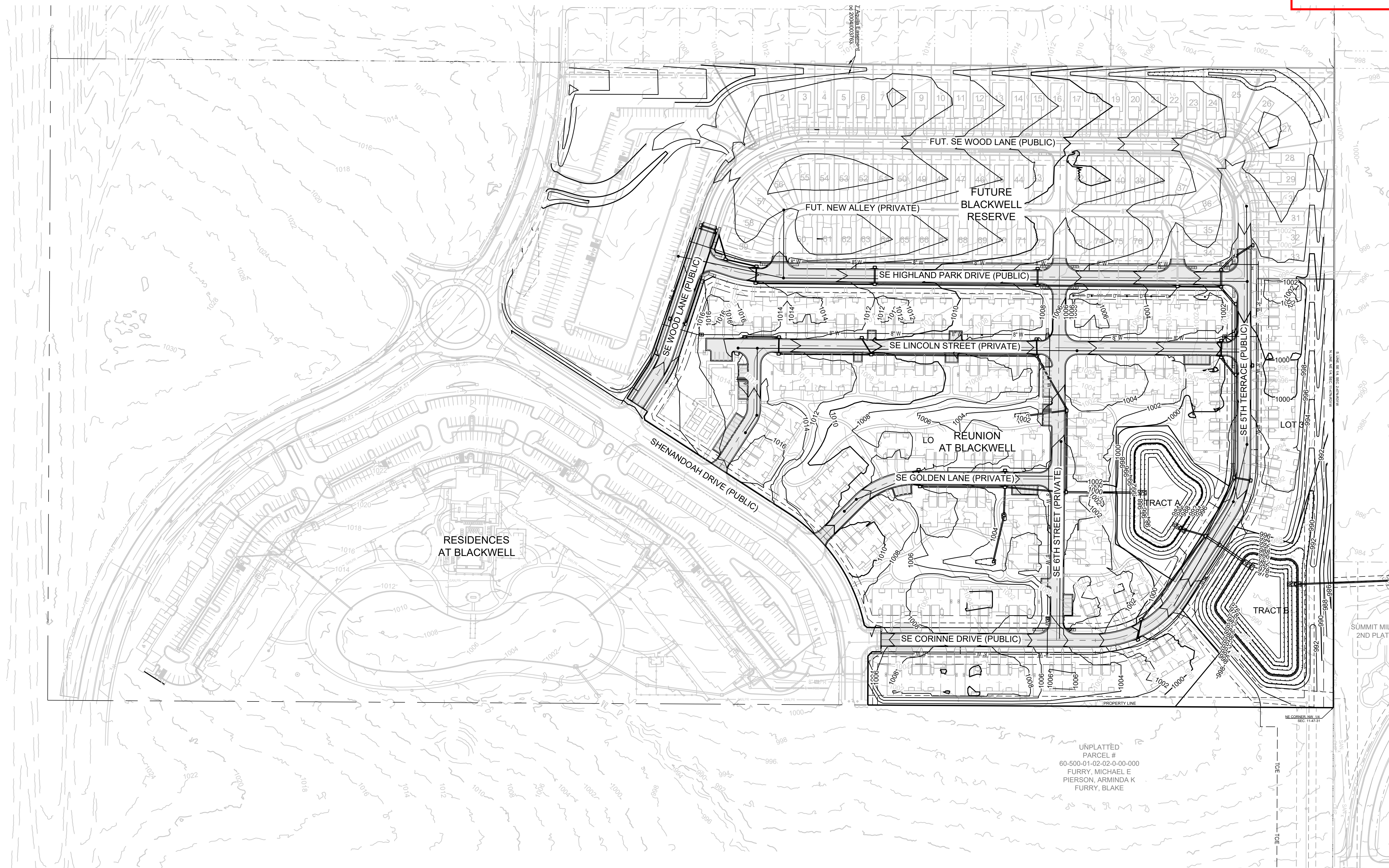
SHEET  
2







07/13/2023

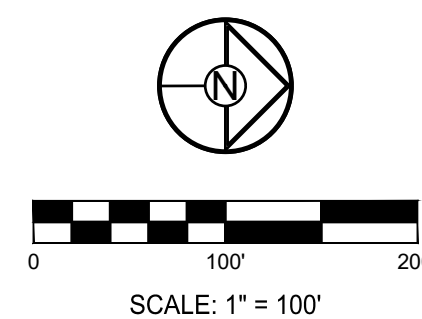


 1000  EXISTING CONTOUR  
 1000  PROPOSED CONTOUR  
 (FINISHED GRADE)

1. ALL CONSTRUCTION ON THIS PROJECT SHALL CONFORM TO THE CITY OF LEE'S SUMMIT TECHNICAL SPECIFICATIONS.
2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING UTILITY LOCATIONS PRIOR TO EXCAVATION.

## ELEV. 997.045

## ELEV. 1005.719



**SCHLAGEL**

**ENGINEERS PLANNERS SURVEYORS LANDSCAPE ARCHITECTS**

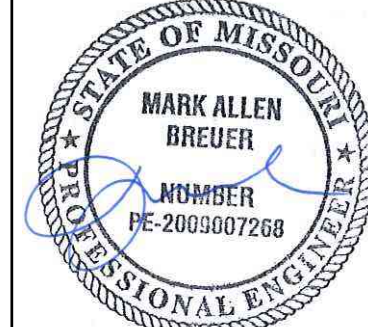
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Missouri State Certificate of Architectural License #A2001005627 #L520020049839-F  
#E2002003800-F #L520020049839-F

PREPARED BY:



06.27.2023

SCHLAGEL &amp; ASSOCIATES, P.A.

REUNION AT BLACKWELL  
PUBLIC STREET AND STORM SEWER PLANS  
SEE SHENANDOAH DRIVE LEE'S SUMMIT, MO

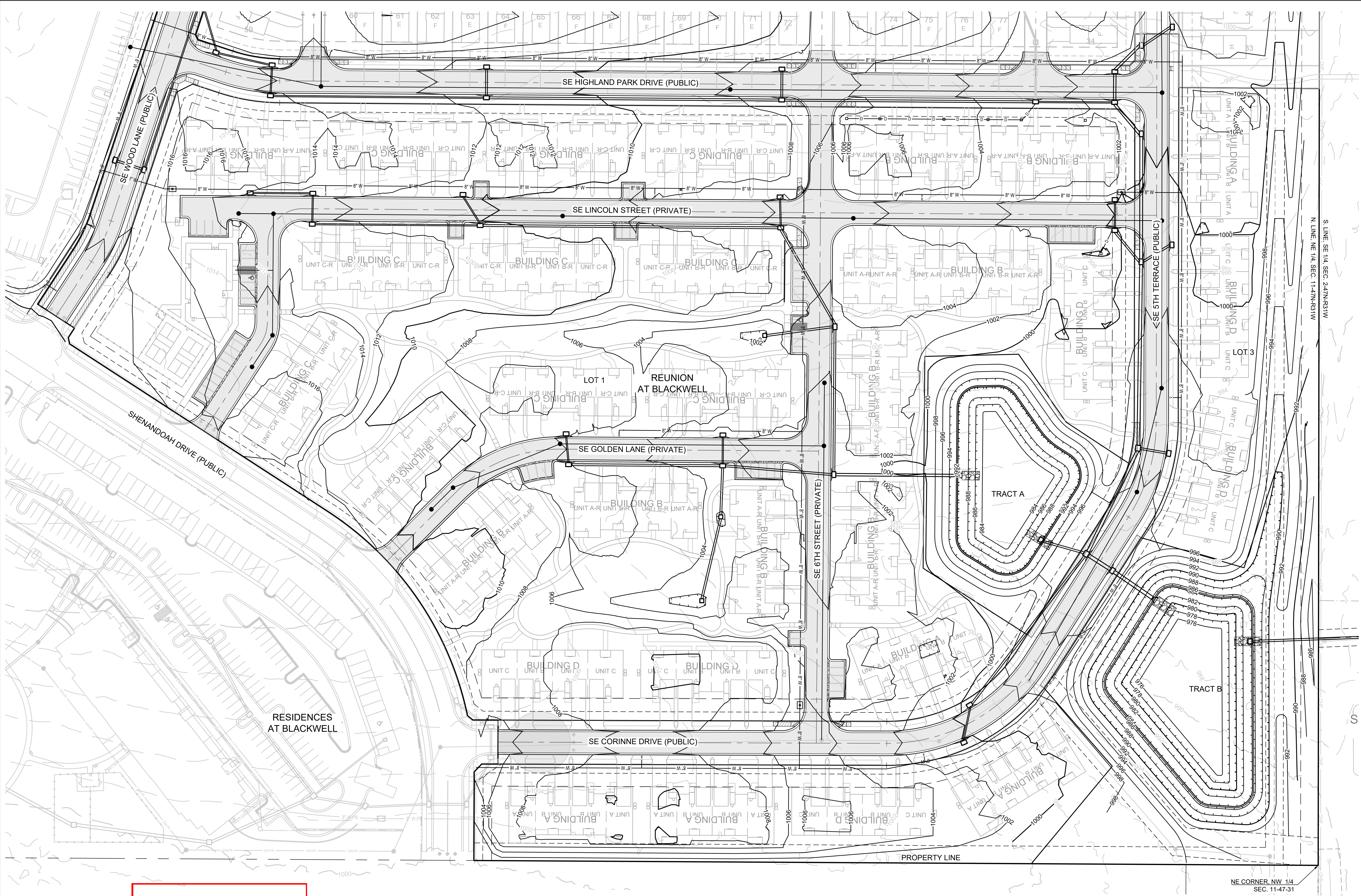
| DRAWN BY:     | REVISION DATE   | DESCRIPTION       |
|---------------|-----------------|-------------------|
| TRC           | A<br>05/05/2023 | PER CITY COMMENTS |
| CHECKED BY:   | B<br>06/02/2023 | PER CITY COMMENTS |
| MAB           | C<br>06/27/2023 | PER CITY COMMENTS |
|               | D<br>A          |                   |
| DATE PREPARED | E<br>A          |                   |
| 03/03/2023    | F<br>A          |                   |
| PROJ. NUMBER  | G<br>A          |                   |
| 22-0987       | H<br>A          |                   |

## OVERALL GRADING PLAN

SHEET

4





**RELEASED FOR CONSTRUCTION**  
As Noted on Plan Review

Development Services Department  
Lee's Summit, Missouri

07/13/2023

**GRADING LEGEND:**

— 1000 — EXISTING CONTOUR

— 1000 — PROPOSED CONTOUR (FINISHED GRADE)

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**MO GRS BENCHMARK:**

STATION NAME - JA-90

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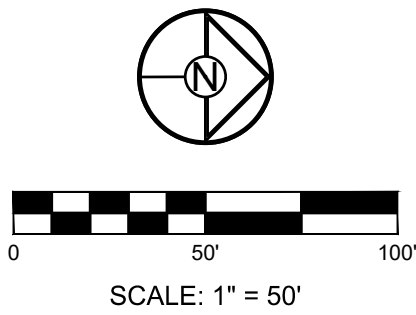
ELEV. 997.045

**PROJECT BENCHMARK:**

"SQUARE" CUT IN TOP OF CONCRETE STORM MANHOLE STORM MANHOLE IS LOCATED APPROX. 130 FEET EAST OF THE INTERSECTION OF SE JOEL AVE & BLUE PARKWAY AND 26 FEET SOUTH OF THE CENTERLINE OF BLUE PARKWAY.

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ELEV. 1005.719



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PUBLIC STREET AND STORM SEWER PLANS  
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DRAWN BY: TRC  
CHECKED BY: MAB  
DATE PREPARED: 03/03/2023  
PROJ. NUMBER: 22-297





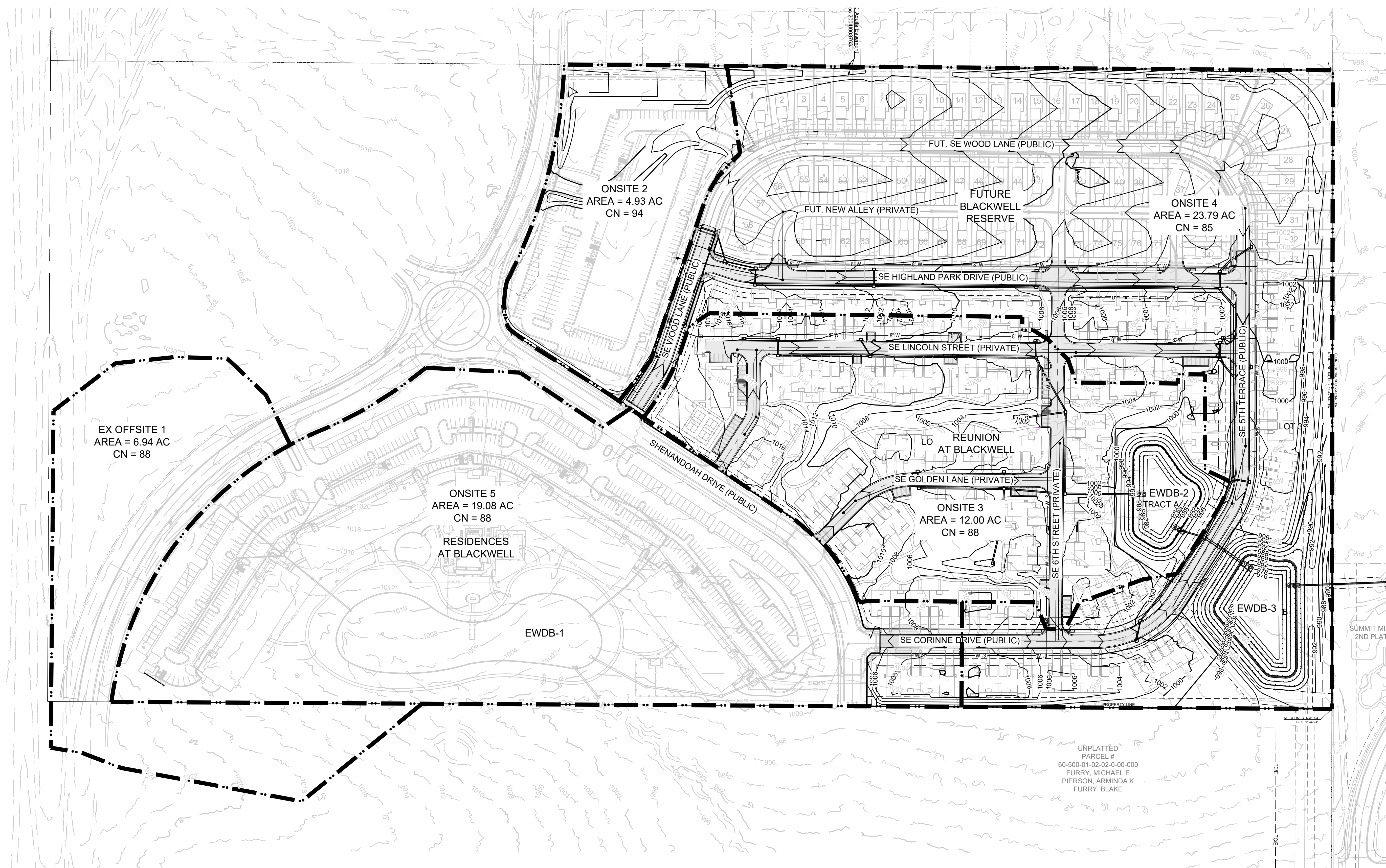
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SE SHENANDOAH DRIVE LEE'S SUMMIT, MO

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|----------------|---------------|-------------------|
| TRC            | 05/05/2023    | PER CITY COMMENTS |
| CHECKED BY:    | 06/02/2023    | PER CITY COMMENTS |
| MAB            | 08/27/2023    | PER CITY COMMENTS |
|                | /A/           |                   |
|                | /S/           |                   |
| DATE PREPARED: | /A/           |                   |
| 03/03/2023     | /A/           |                   |
| PROJ. NUMBER:  | /A/           |                   |
| 22-0987        | /A/           |                   |

OVERALL  
DRAINAGE MAP

SHEET

6



 1000  EXISTING CONTOUR  
 1000  PROPOSED CONTOUR  
 (FINISHED GRADE)

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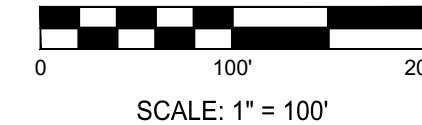
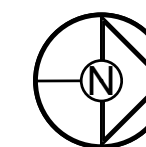
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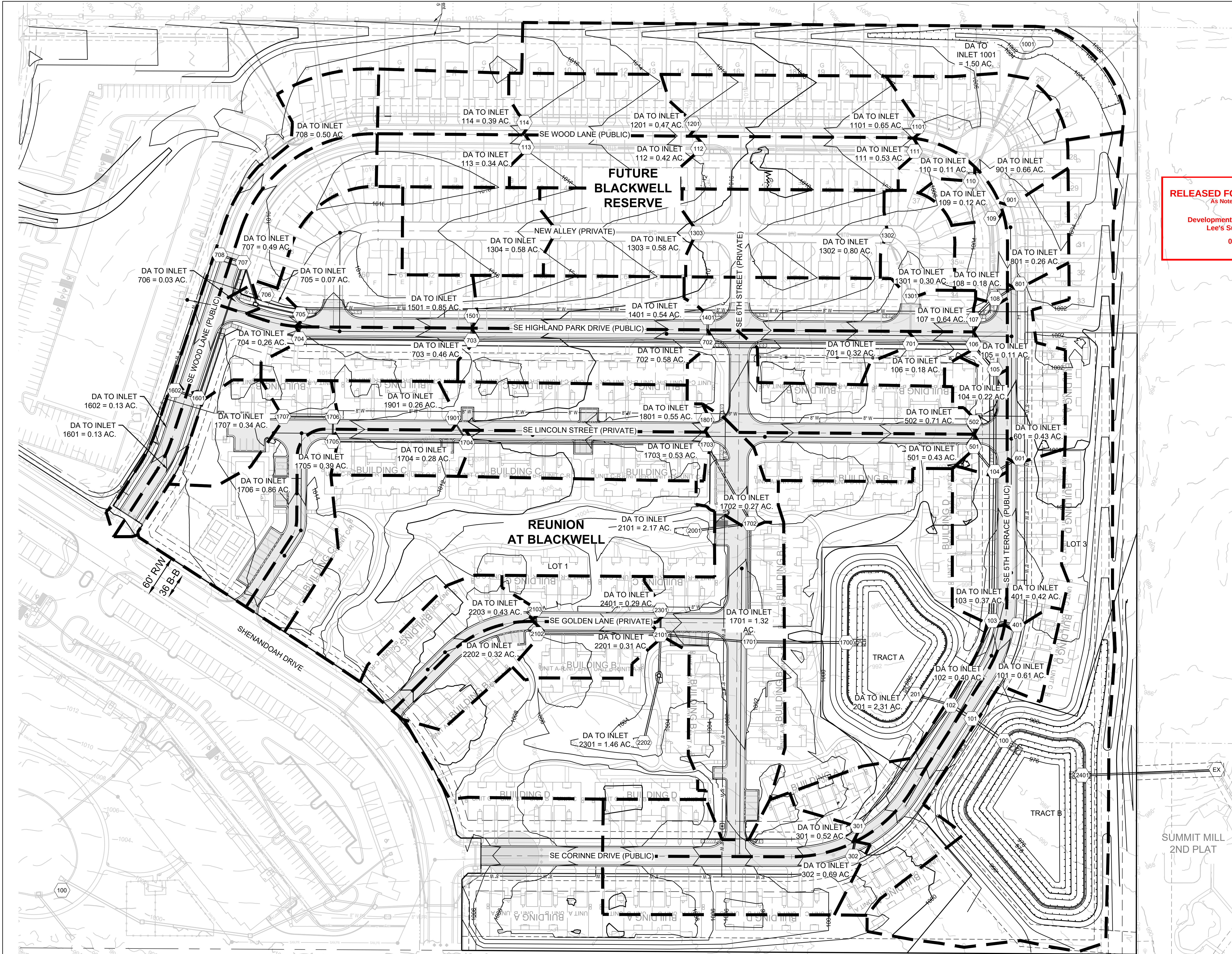
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Development Services Department  
Lee's Summit, Missouri

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**SCHLAGEL**  
ENGINEERS PLANNERS SURVEYORS LANDSCAPE ARCHITECTS  
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Missouri State Certificate of Authority  
#E2002003600F #LAC2001005237 #LS200200859F

PREPARED BY:

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REUNION AT BLACKWELL  
PUBLIC STREET AND STORM SEWER PLANS  
SE SHENANDOAH DRIVE LEE'S SUMMIT, MO

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| CHECKED BY:    | ###        |
| DATE PREPARED: | 03/03/2023 |
| PROJ. NUMBER:  | 22-597     |

|                        |  |
|------------------------|--|
| REUNION - DRAINAGE MAP |  |
| SHEET                  |  |
| 7                      |  |

I:\PROJECTS\2022\22-597\3.0 Design\3.0 DWG Plans\4.0 SDP\22-597 - SDP - DRAIN.dwg, 7 REUNION - DRAINAGE MAP, 11











RELEASED FOR CONSTRUCTION  
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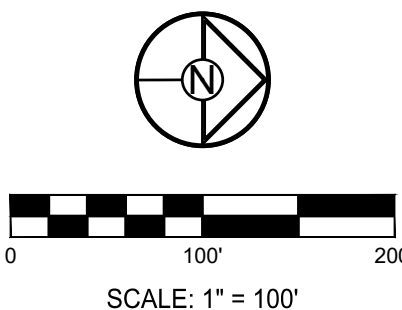
Development Services Department  
Lee's Summit, Missouri  
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PRIVATE ROAD NOTE:  
SE LINCOLN STREET, SE GOLDEN LANE & SE 6TH STREET ARE  
PRIVATE ROADS AND WILL BE CONSTRUCTED UNDER A SEPARATE PLAN SET.

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  - SEE SHEET 8 FOR EROSION CONTROL NOTES, LEGEND AND STAGING CHART.

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| DRAWN BY:<br>TRC | CHECKED BY:<br>MAB | DATE PREPARED:<br>03/03/2023 | PROJ. NUMBER:<br>22-297 |
|------------------|--------------------|------------------------------|-------------------------|

SCHLAGEL & ASSOCIATES, P.A.

PREPARED BY:  
  
06.27.2023









SHEET  
12





**SCHLAGEL**

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6. ASSUMED DESIGN SPEED = 25 MPH (RESIDENTIAL LOCAL).
7. MINIMUM STOPPING SIGHT DISTANCE = 155 FEET.
8. MINIMUM K, SAG CURVE = 26 (14' WITH LIGHTING), CREST CURVE = 12.
9. GRADE INTERSECTIONS TO DRAIN AS SHOWN.
10. SSD = STOPPING SIGHT DISTANCE.
11. ALL ADA SIDEWALK RAMPS SHALL BE CONSTRUCTED BY THE DEVELOPER WITH THE PUBLIC INFRASTRUCTURE.

**MO GRS BENCHMARK:**

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OF THE CENTERLINE OF BLUE PARKWAY.  
N:996874.9690, E:2840937.1365

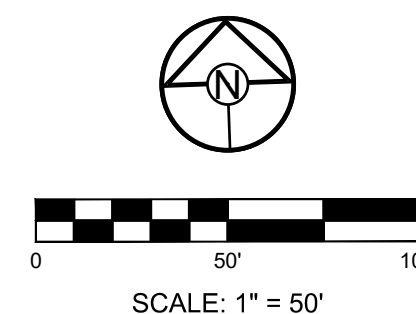
ELEV. 1005.719

PRIVATE ROAD NOTE:

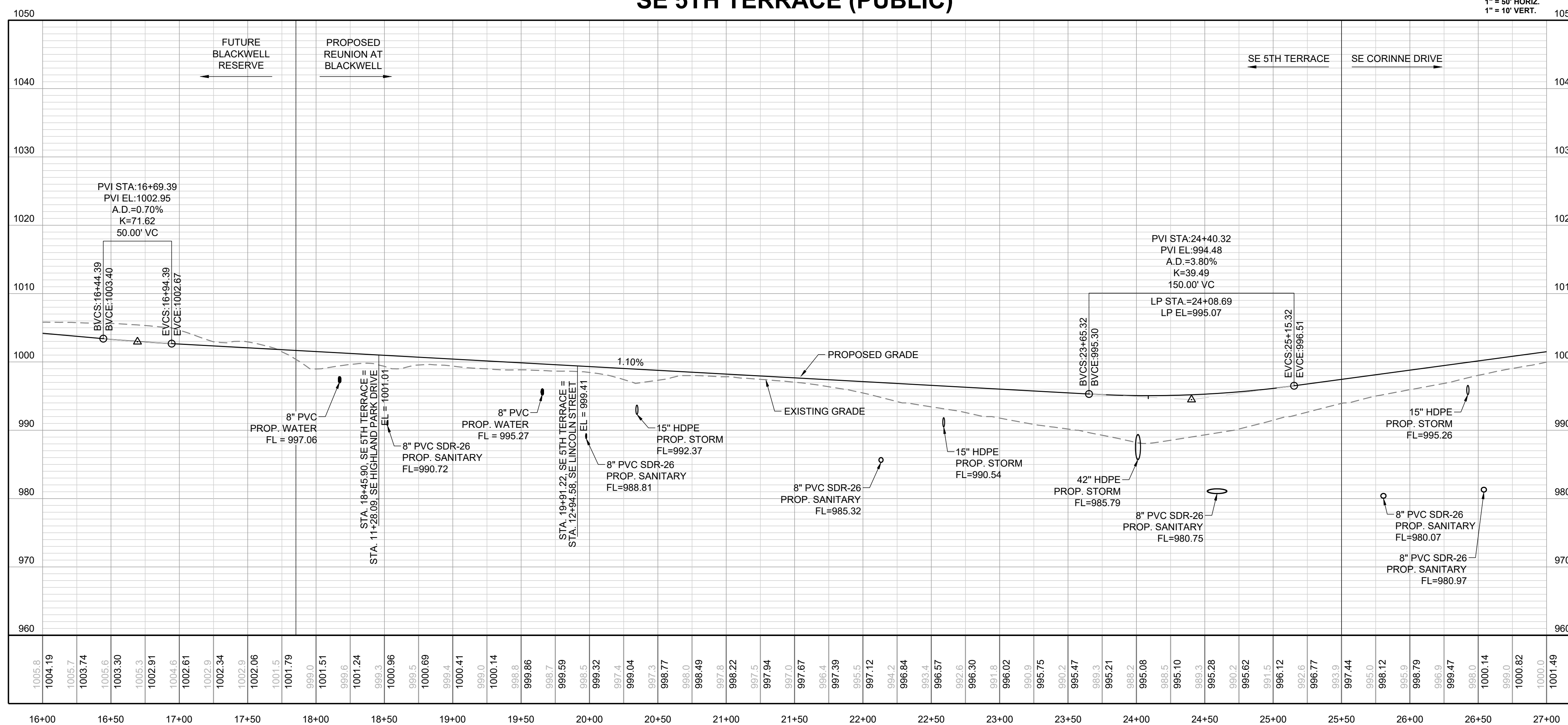
**PRIVATE ROAD NOTE:**  
SE LINCOLN STREET, SE GOLDEN LANE & SE 6TH STREET ARE  
PRIVATE ROADS AND WILL BE CONSTRUCTED UNDER A SEPARATE PLAN SET.

**SIDEWALK NOTE:**

**SIDEWALK NOTE:**  
SIDEWALKS ADJACENT TO BUILDINGS WILL BE INSTALLED BY OTHERS, UNLESS NOTED OTHERWISE.



## SE 5TH TERRACE (PUBLIC)



REUNION AT BLACKWELL  
PUBLIC STREET AND STORM SEWER PLANS  
SEE SHENANDOAH DRIVE LEE'S SUMMIT, MO

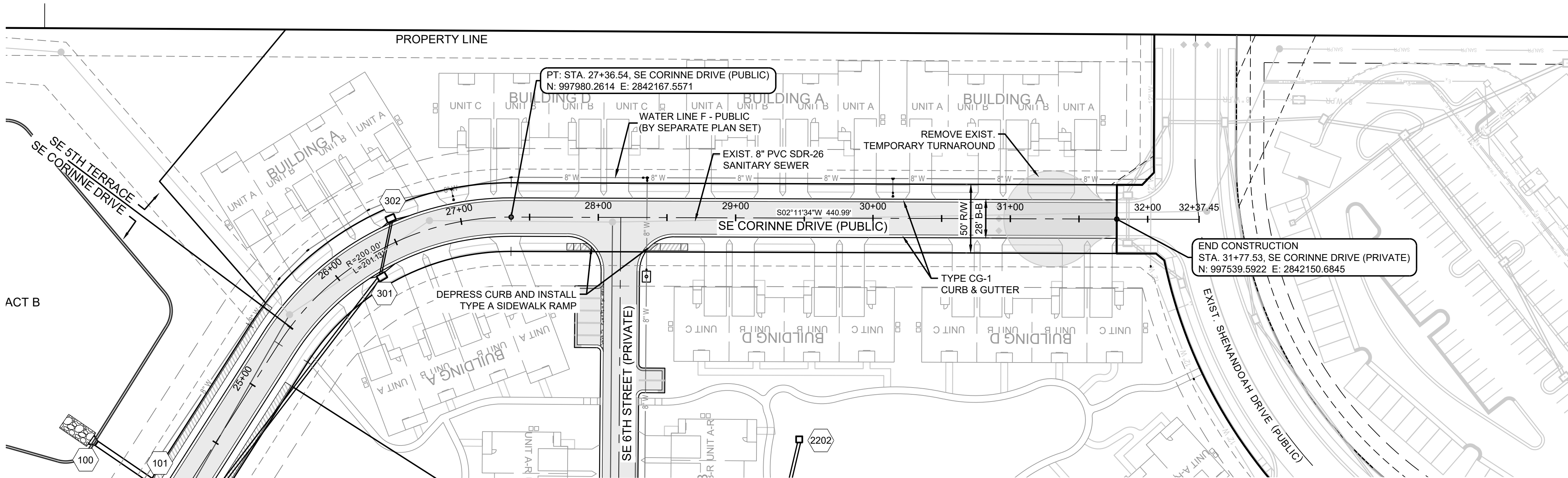
| REVISION | DATE       | DESCRIPTION       |
|----------|------------|-------------------|
| 1        | 05/05/2023 | PER CITY COMMENTS |
| 2        | 06/02/2023 | PER CITY COMMENTS |
| 3        | 06/27/2023 | PER CITY COMMENTS |

SE 5TH TERRACE  
- PLAN &  
PROFILE

SHEET

13





**STREET NOTES:**

1. ALL STREET CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL. ALL APPLICABLE AASHTO STANDARDS HAVE BEEN MET.
2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING UTILITY LOCATIONS PRIOR TO EXCAVATION.
3. ALL INSPECTION OF STREET CONSTRUCTION TO BE PERFORMED BY THE CITY OF LEE'S SUMMIT DEVELOPMENT ENGINEERING.
4. CURB RETURN RADII SHALL BE 25' AT BACK OF CURB UNLESS OTHERWISE NOTED.
5. SUBGRADE TO BE COMPACTED TO 95% STANDARD PROCTOR DENSITY.
6. ASSUMED DESIGN SPEED = 25 MPH (RESIDENTIAL LOCAL).
7. MINIMUM STOPPING SIGHT DISTANCE = 155 FEET.
8. MINIMUM K, SAG CURVE = 26 (14 WITH LIGHTING), CREST CURVE = 12.
9. GRADE INTERSECTIONS TO DRAIN AS SHOWN.
10. SSD = STOPPING SIGHT DISTANCE.
11. ALL ADA SIDEWALK RAMPS SHALL BE CONSTRUCTED BY THE DEVELOPER WITH THE PUBLIC INFRASTRUCTURE.

**MO GRS BENCHMARK:**

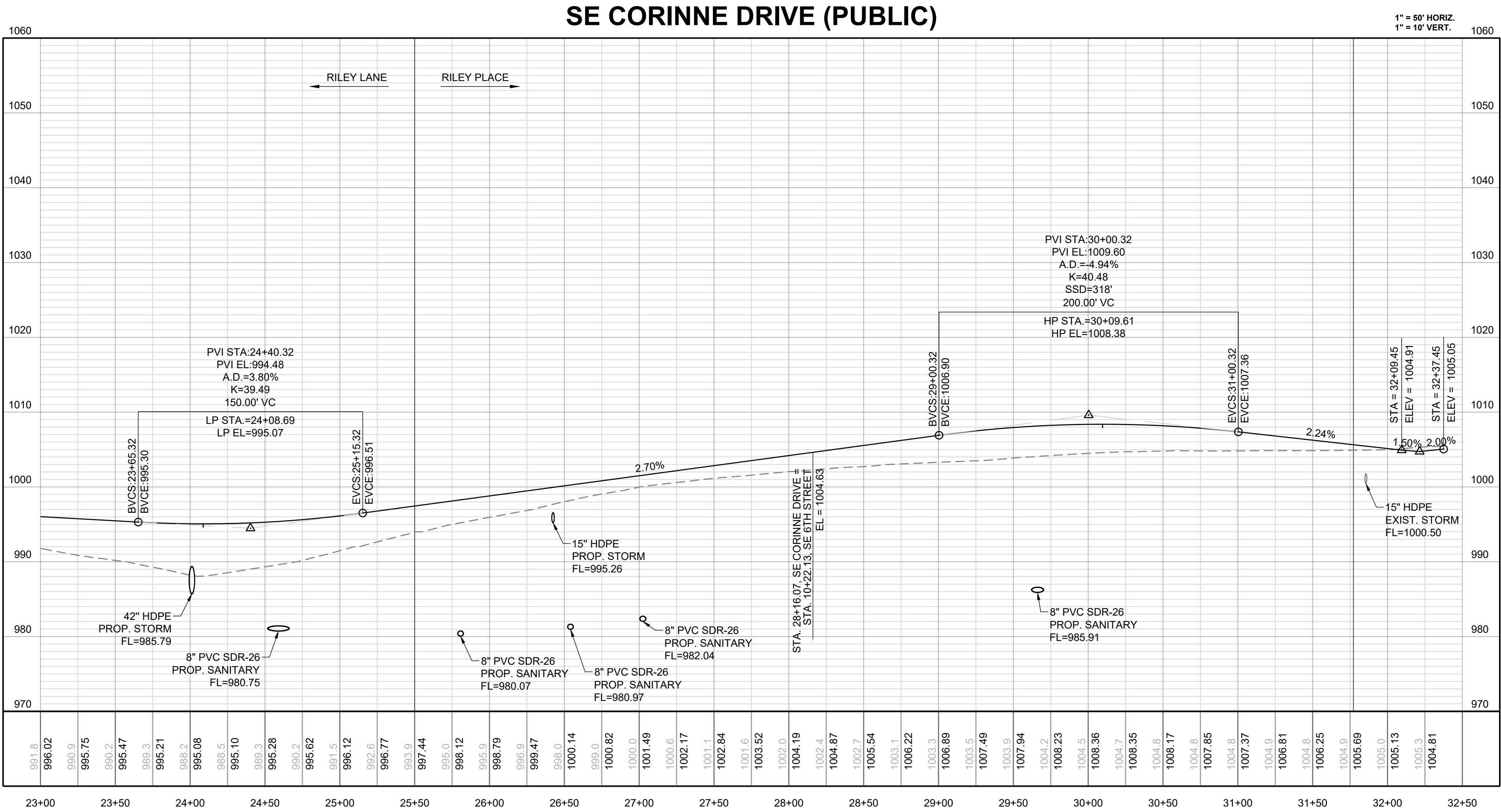
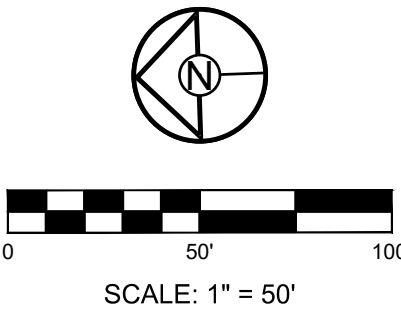
STATION NAME - JA-90  
KC METRO ALUMINUM GRS DISK SET IN CONCRETE STAMPED "JA-90, 1988"  
LOCATED NEAR THE INTERSECTION OF LANGSFORD ROAD AND OLD LANGSFORD ROAD, 43 FEET SOUTHEAST OF THE CENTER OF LANGSFORD ROAD AND 32 FEET NORTH OF THE CENTER OF OLD LANGSFORD ROAD.  
N:1001052.8503, E:2845604.8272  
ELEV. 997.045

**PROJECT BENCHMARK:**

"SQUARE" CUT IN TOP OF CONCRETE STORM MANHOLE  
STORM MANHOLE IS LOCATED APPROX. 130 FEET EAST OF THE INTERSECTION OF SE JOEL AVE & BLUE PARKWAY AND 26 FEET SOUTH OF THE CENTERLINE OF BLUE PARKWAY.  
N:996874.9690, E:2840937.1365  
ELEV. 1005.719

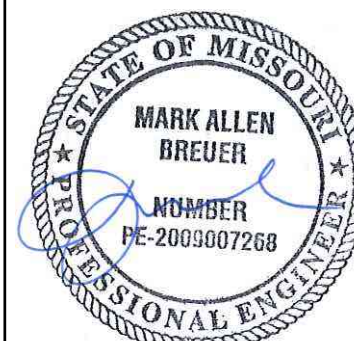
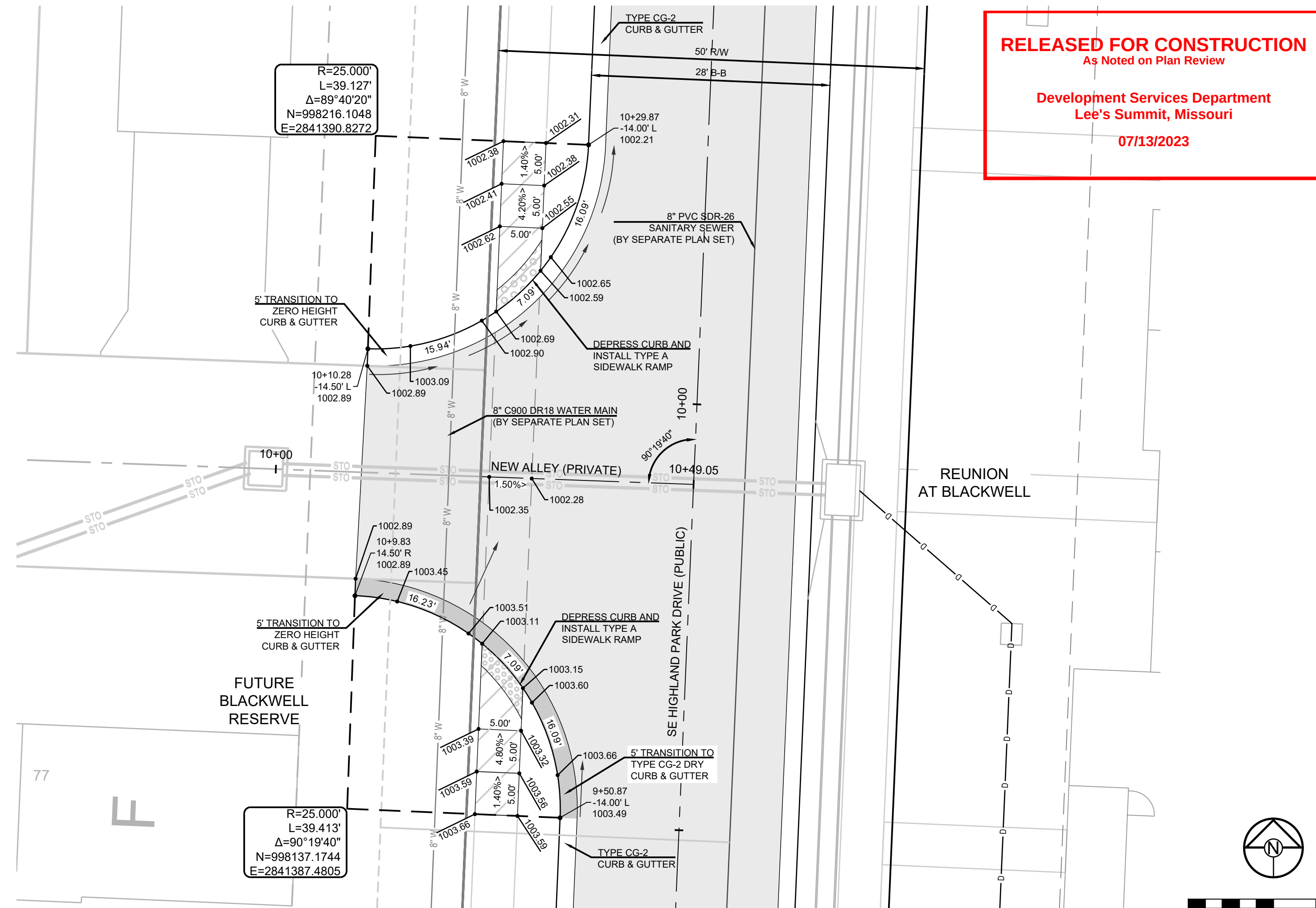
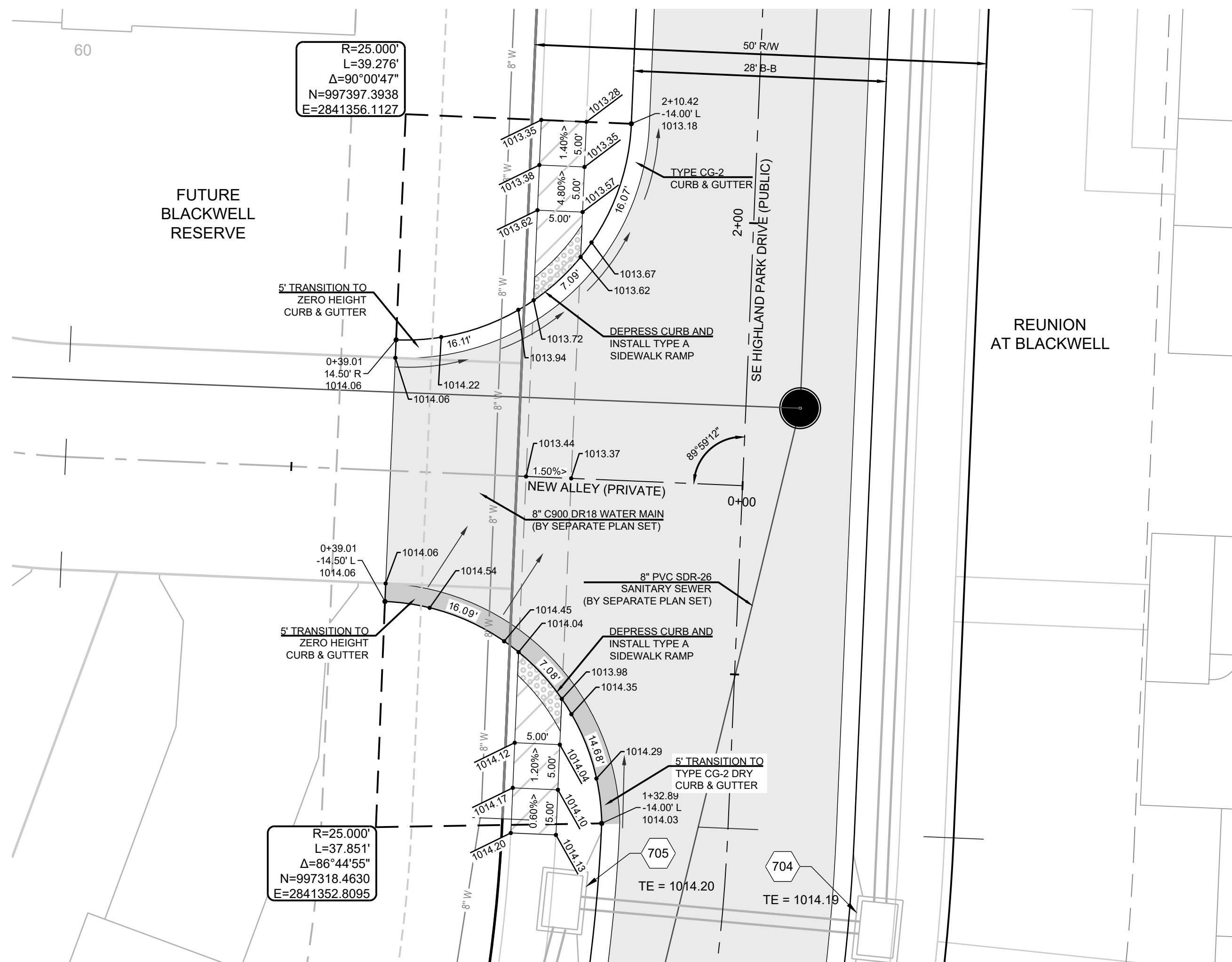
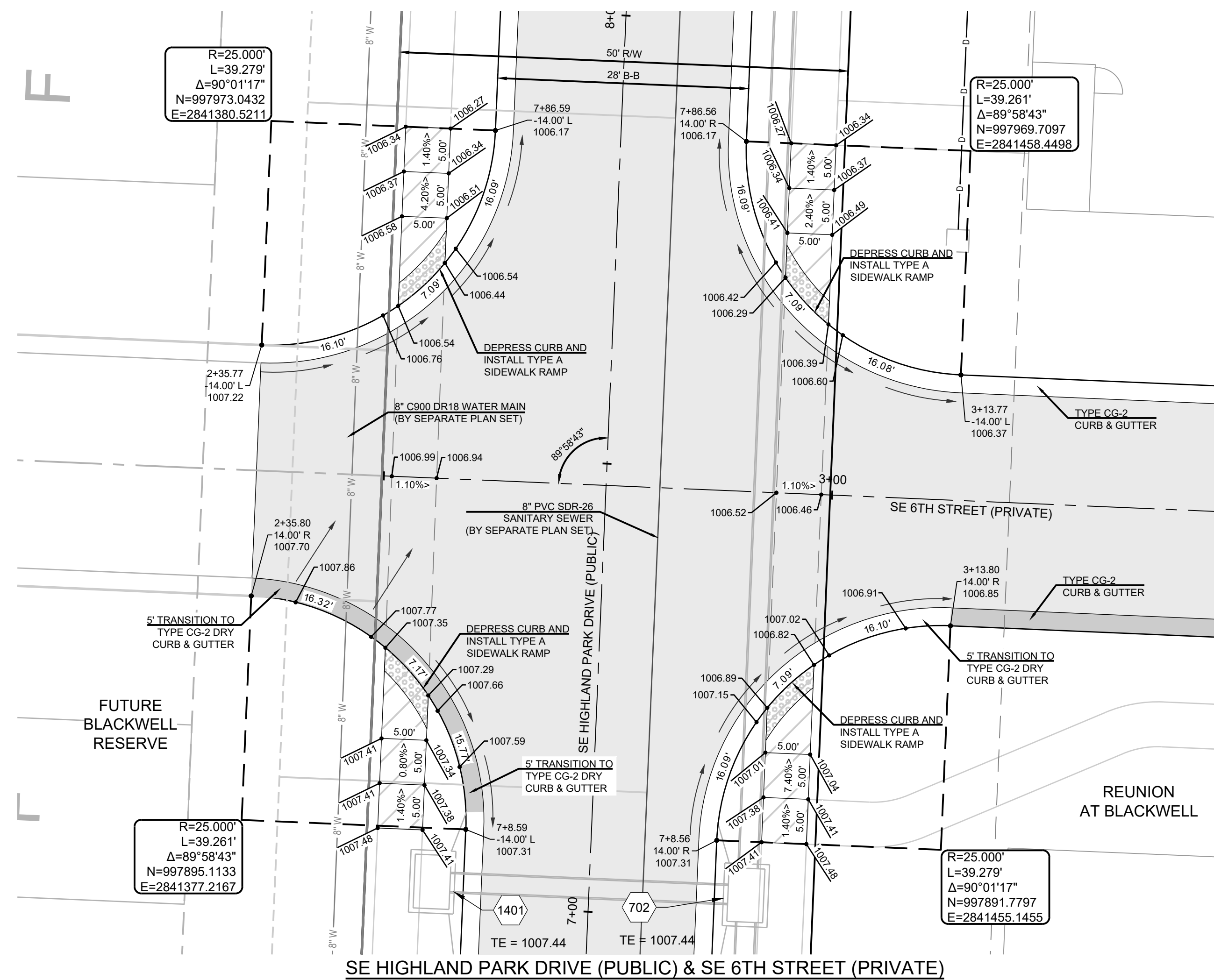
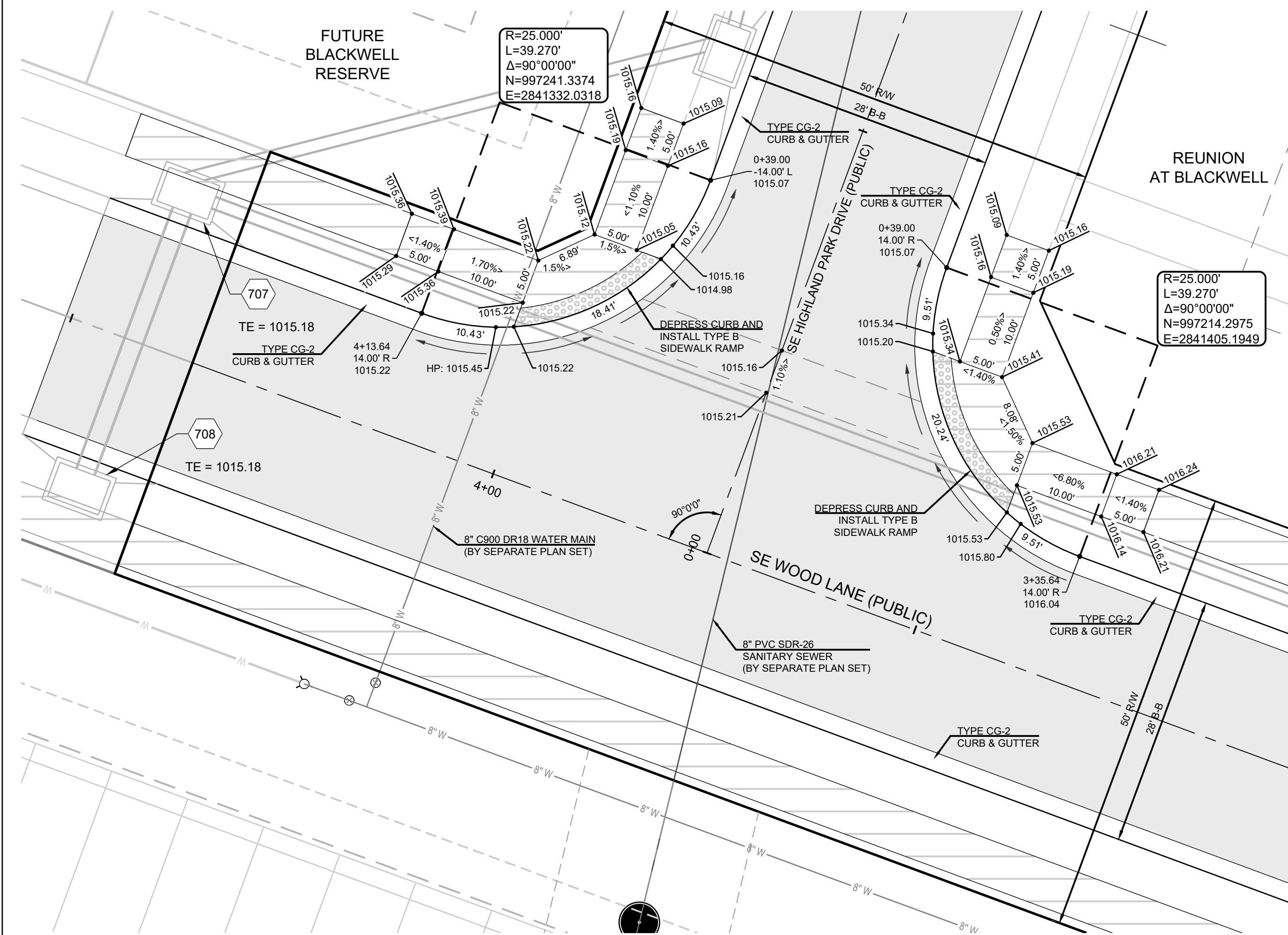
**PRIVATE ROAD NOTE:**  
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**SIDEWALK NOTE:**  
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**RELEASED FOR CONSTRUCTION**  
As Noted on Plan Review  
Development Services Department  
Lee's Summit, Missouri  
07/13/2023



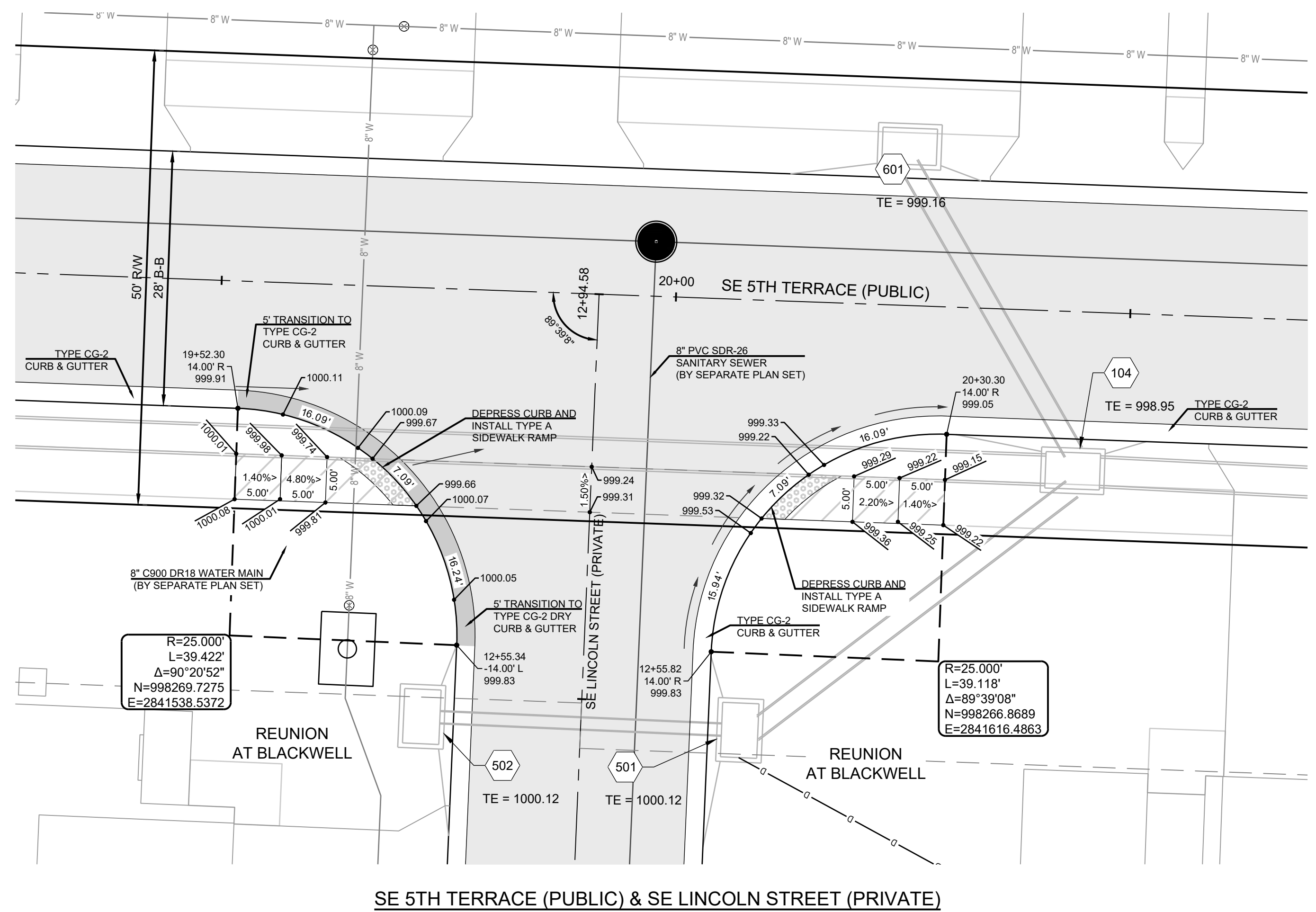
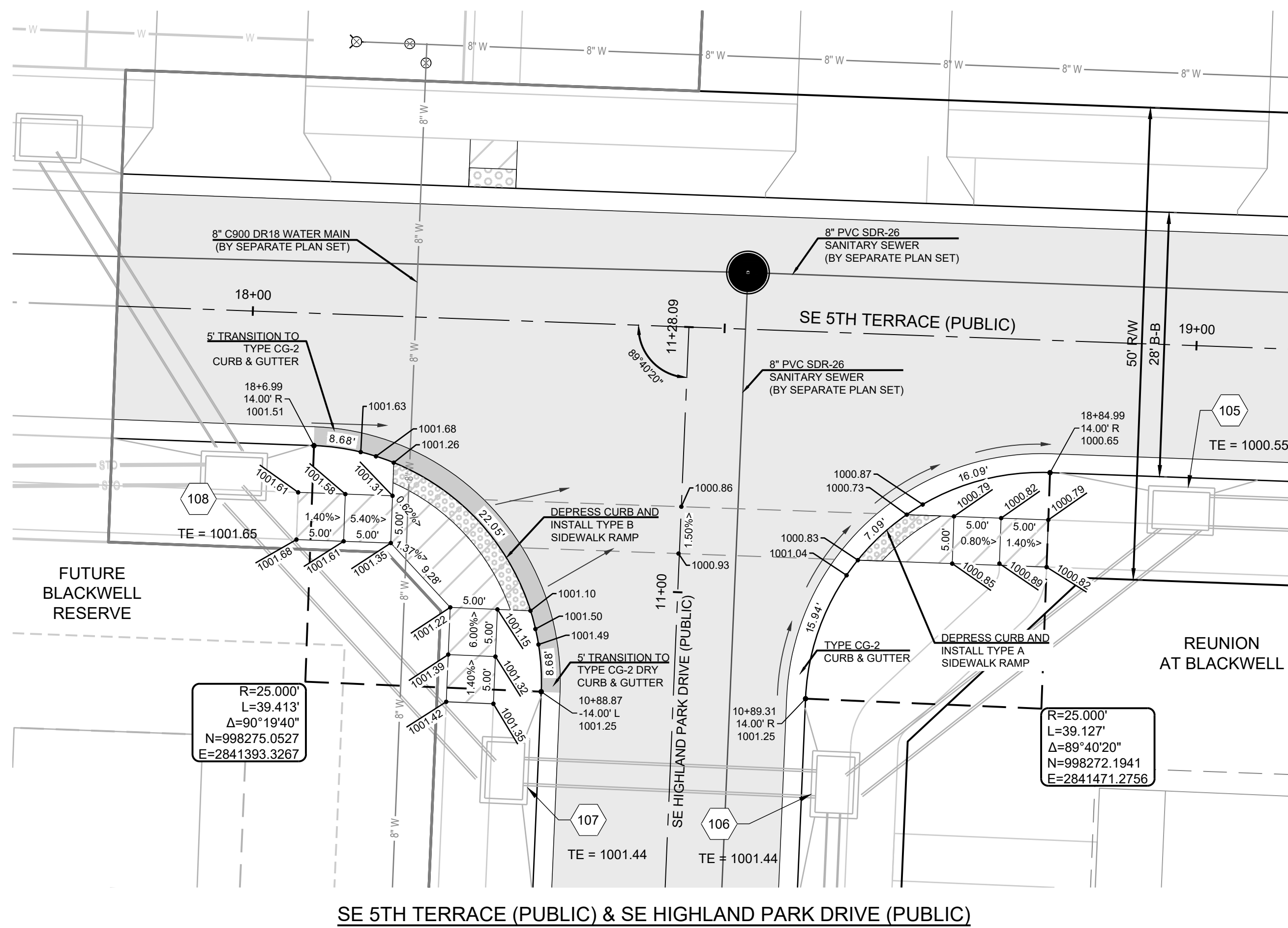


SCHLAGEL &amp; ASSOCIATES, P.A.

| DRAWN BY:      |    | REVISION DATE | DESCRIPTION       |
|----------------|----|---------------|-------------------|
| TRC            | 1  | 05/05/2023    | PER CITY COMMENTS |
|                | 2  | 06/02/2023    | PER CITY COMMENTS |
| CHECKED BY:    | 3  | 06/27/2023    | PER CITY COMMENTS |
|                | 4  |               |                   |
| MAB            | 5  |               |                   |
|                | 6  |               |                   |
| DATE PREPARED: | 7  |               |                   |
|                | 8  |               |                   |
| PROJ. NUMBER:  | 9  |               |                   |
|                | 10 |               |                   |
| 22-097         |    |               |                   |

SHEET

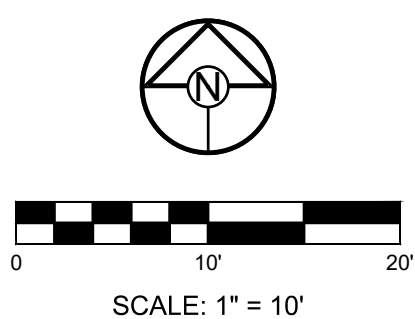
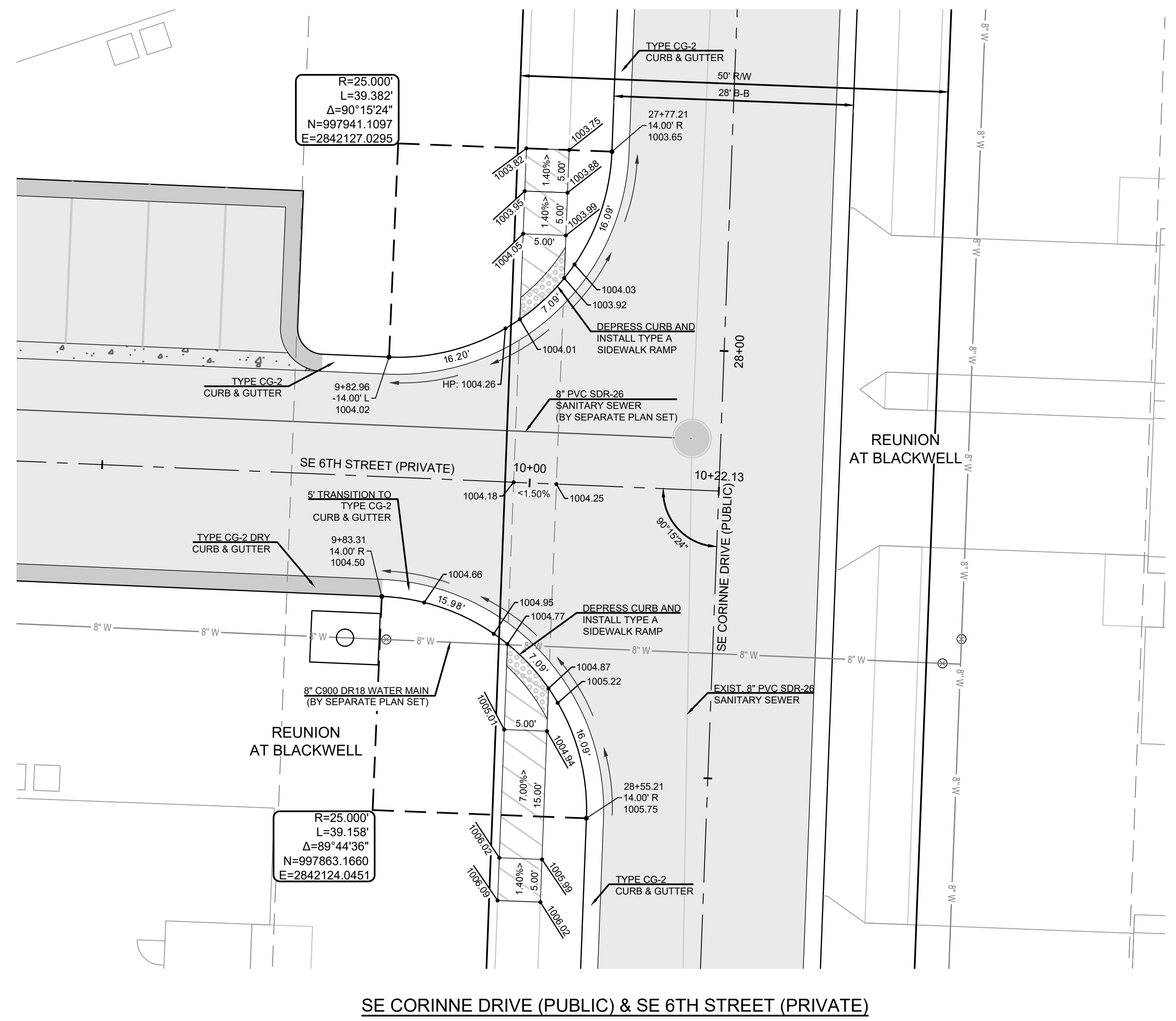




**RELEASED FOR CONSTRUCTION**  
As Noted on Plan Review

**Development Services Department**  
**Lee's Summit, Missouri**

**07/13/2023**



| REVISION | DATE       | DESCRIPTION       |
|----------|------------|-------------------|
| 1        | 05/02/2023 | PER CITY COMMENTS |
| 2        | 06/02/2023 | PER CITY COMMENTS |
| 3        | 08/27/2023 | PER CITY COMMENTS |
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Development Services Department  
Lee's Summit, Missouri  
07/13/2023

STATE OF MISSOURI  
 MARK ALLEN BREUER  
 NUMBER  
 PE-2009007268  
 PROFESSIONAL ENGINEER

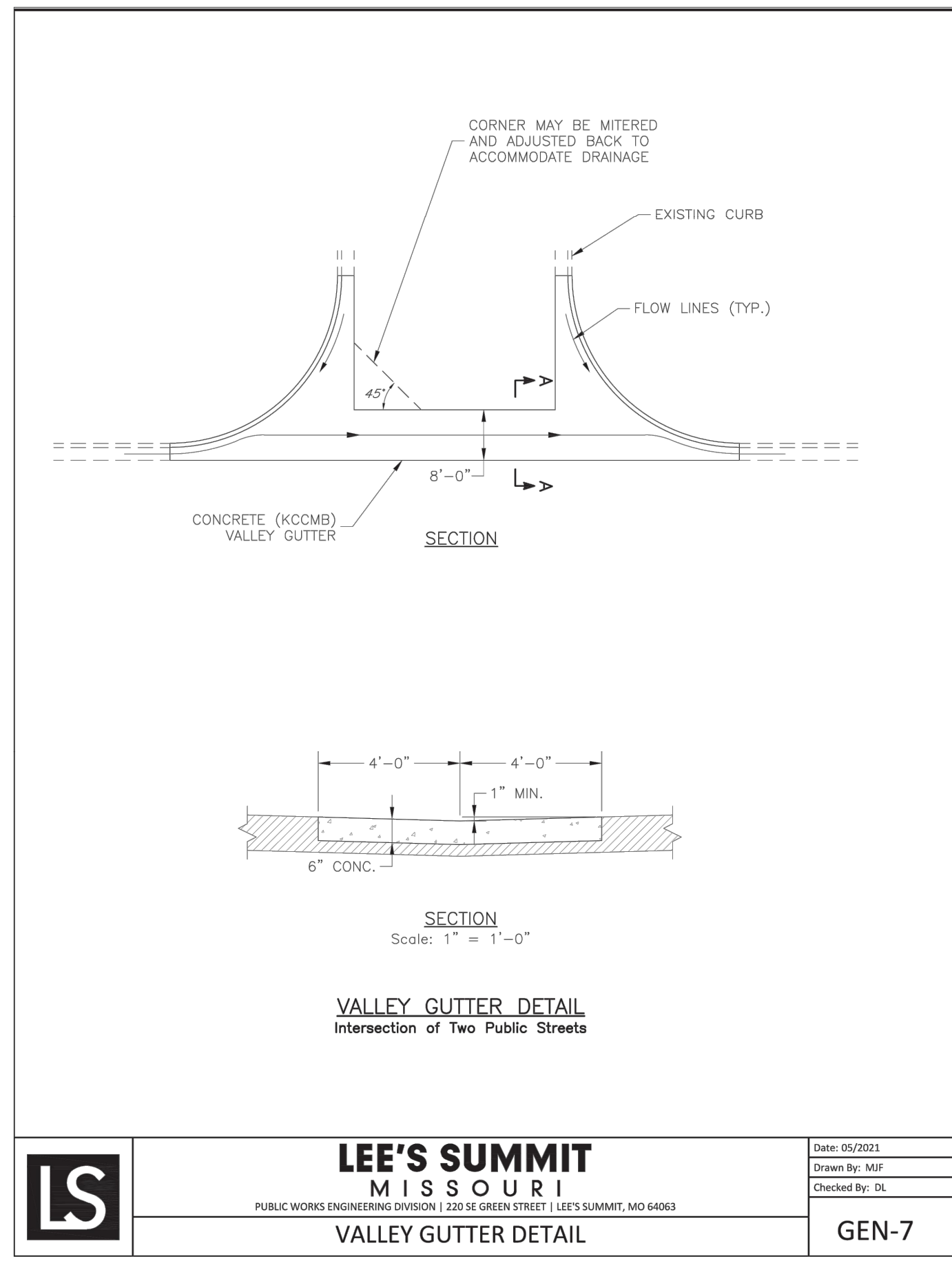
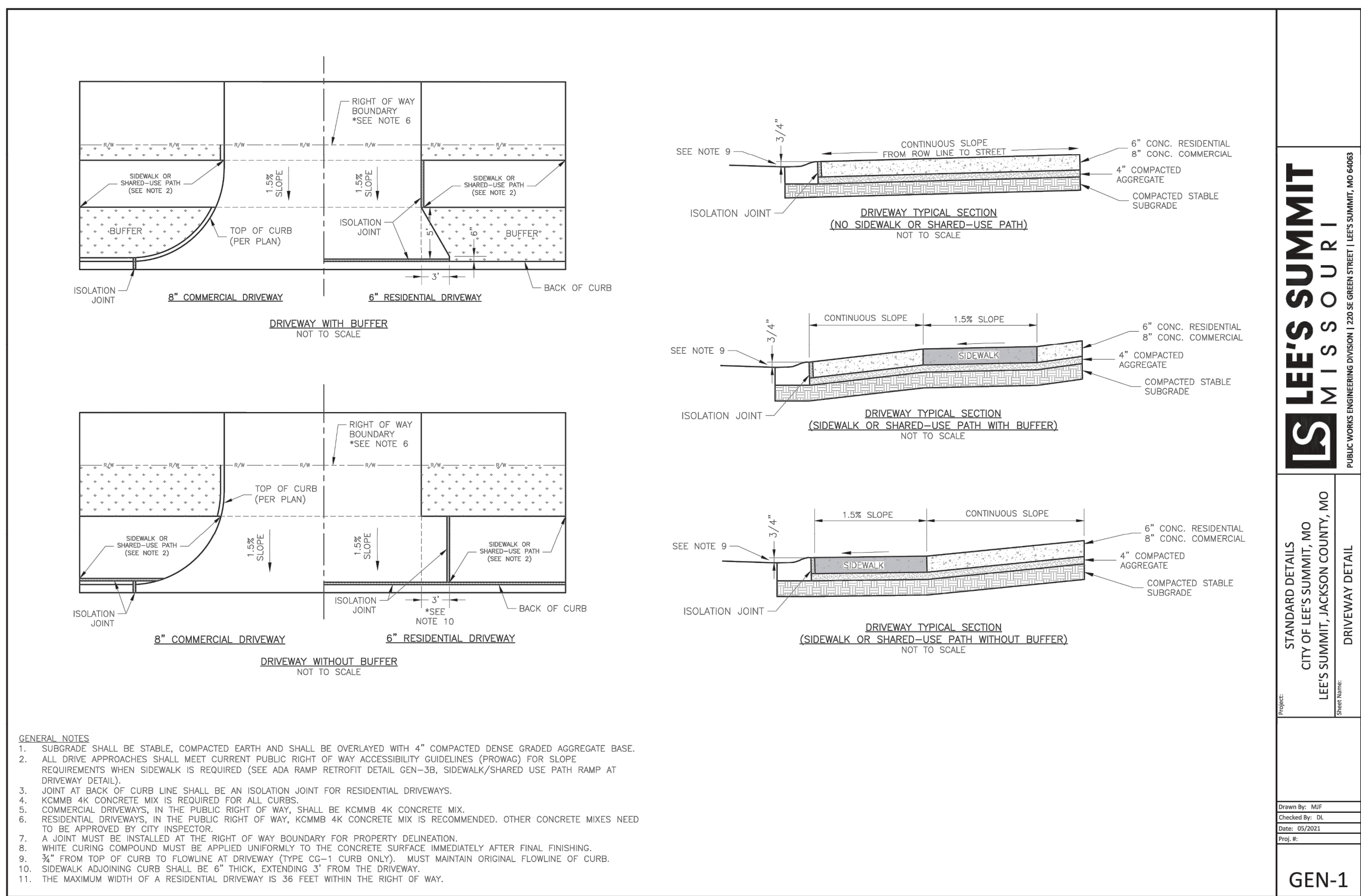
SCHLAGEL &amp; ASSOCIATES, P.A.

REUNION AT BLACKWELL  
PUBLIC STREET AND STORM SEWER PLANS  
SE SHENANDOAH DRIVE LEE'S SUMMIT, MO

| REVISION | DATE       | DESCRIPTION       |
|----------|------------|-------------------|
| 1        | 05/05/2023 | PER CITY COMMENTS |
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| 3        | 06/27/2023 | PER CITY COMMENTS |
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## STREET DETAILS

18



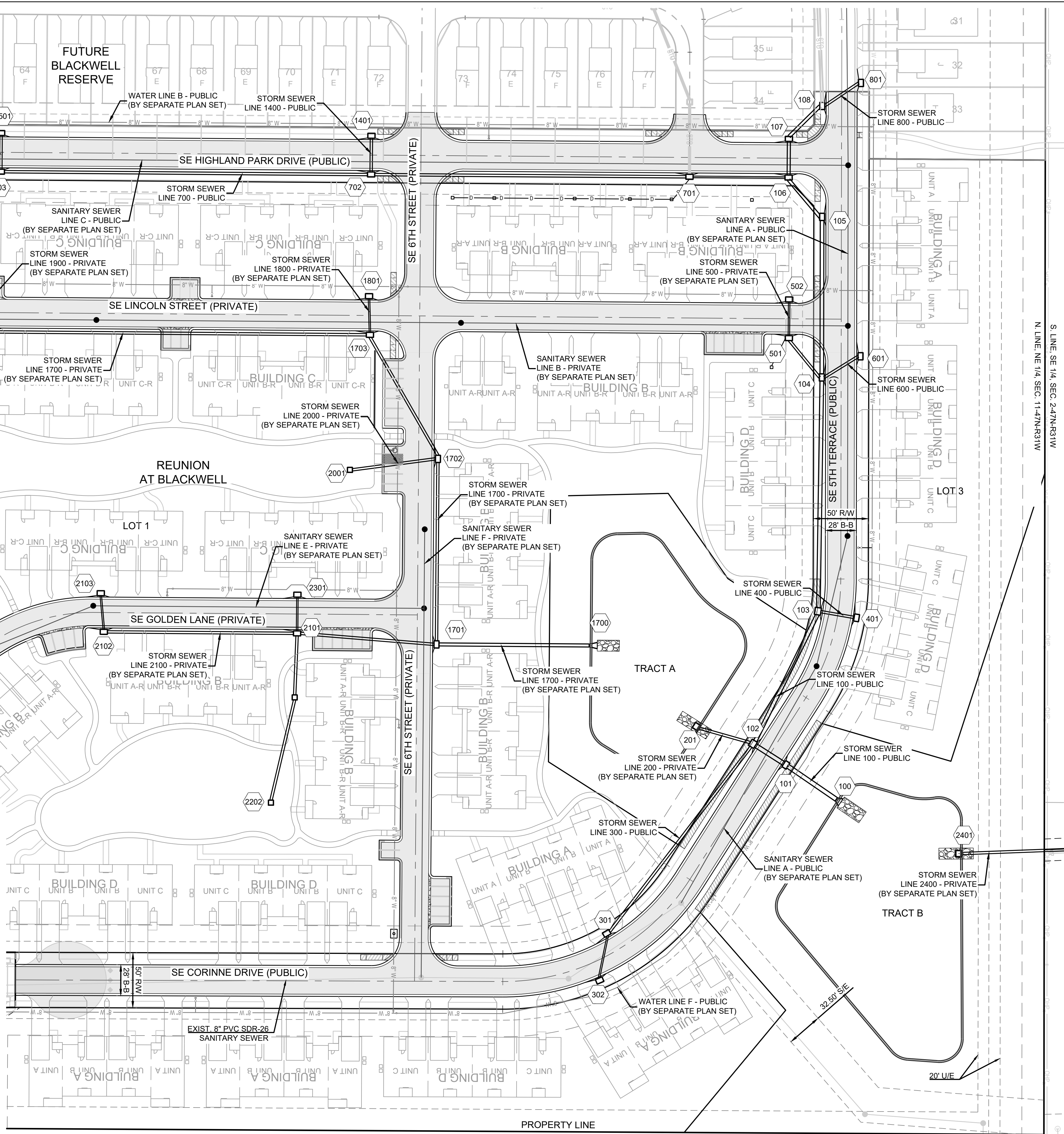


I:\PROJECTS\2022\22-267\3.0 DWG Plans\0. SS-22-267 - SS - STORM.dwg, 19 STORM PLAN, 1.1

| Storm Sewer Construction Notes |                                                                                                                                                                                                                                          |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Structure                      | Notes                                                                                                                                                                                                                                    |
| 100                            | STA 1+00.00, LINE 100<br>INSTALL 42" HDPE FLARED END SECTION<br>W/TOEWALL AND 17 CU. YD. (21'X11'X2.0')<br>STONE RIP-RAP USING A MIN. 100# (D50=15") STONE.<br>PLACE FILTER FABRIC PRIOR TO CONSTRUCTION<br>N 998287.4542 E 2842013.2292 |
| 101                            | STA 1+55.00, LINE 100<br>INSTALL 6 X 4 CURB INLET<br>N 998243.1885 E 2841980.5808                                                                                                                                                        |
| 102                            | STA 1+90.50, LINE 100<br>INSTALL 6 X 5 CURB INLET<br>N 998213.9579 E 2841960.4357                                                                                                                                                        |
| 103                            | STA 3+24.13, LINE 100<br>INSTALL 6 X 5 CURB INLET<br>N 998276.9498 E 2841842.5871                                                                                                                                                        |
| 104                            | STA 5+35.73, LINE 100<br>INSTALL 6 X 4 CURB INLET<br>N 998287.8414 E 2841631.2648                                                                                                                                                        |
| 105                            | STA 6+81.04, LINE 100<br>INSTALL 6 X 4 CURB INLET<br>N 998293.1666 E 2841486.0541                                                                                                                                                        |
| 106                            | STA 7+27.78, LINE 100<br>INSTALL 6 X 4 CURB INLET<br>N 998264.1455 E 2841449.4150                                                                                                                                                        |
| 107                            | STA 7+62.78, LINE 100<br>INSTALL 6 X 4 CURB INLET<br>N 998265.6407 E 2841414.4499                                                                                                                                                        |
| 108                            | STA 8+05.18, LINE 100<br>INSTALL 6 X 4 CURB INLET<br>N 998296.8454 E 2841385.7377                                                                                                                                                        |
| 301                            | STA 3+16.69, LINE 300<br>INSTALL 6 X 4 CURB INLET<br>N 998075.7572 E 2842127.3361                                                                                                                                                        |

| Storm Sewer Construction Notes |                                                                                    |
|--------------------------------|------------------------------------------------------------------------------------|
| Structure                      | Notes                                                                              |
| 302                            | STA 3+59.77, LINE 300<br>INSTALL 6 X 4 CURB INLET<br>N 998067.9072 E 2842169.6972  |
| 401                            | STA 1+35.34, LINE 400<br>INSTALL 6 X 4 CURB INLET<br>N 998311.6982 E 2841849.7686  |
| 601                            | STA 1+39.93, LINE 600<br>INSTALL 6 X 4 CURB INLET<br>N 998323.5224 E 2841613.3357  |
| 701                            | STA 1+89.67, LINE 700<br>INSTALL 6 X 4 CURB INLET<br>N 998174.5535 E 2841445.6162  |
| 702                            | STA 4+77.76, LINE 700<br>INSTALL 6 X 4 CURB INLET<br>N 997886.7214 E 2841433.4117  |
| 703                            | STA 8+12.82, LINE 700<br>INSTALL 6 X 4 CURB INLET<br>N 997551.9661 E 2841419.2176  |
| 704                            | STA 10+57.90, LINE 700<br>INSTALL 6 X 4 CURB INLET<br>N 997307.1271 E 2841408.3386 |
| 705                            | STA 10+92.94, LINE 700<br>INSTALL 6 X 4 CURB INLET<br>N 997310.2911 E 2841373.4458 |
| 707                            | STA 12+20.00, LINE 700<br>INSTALL 6 X 4 CURB INLET<br>N 997231.2182 E 2841297.4067 |
| 708                            | STA 12+55.01, LINE 700<br>INSTALL 6 X 4 CURB INLET<br>N 997198.3835 E 2841285.2728 |

| Storm Sewer Construction Notes |                                                                                    |
|--------------------------------|------------------------------------------------------------------------------------|
| Structure                      | Notes                                                                              |
| 801                            | STA 1+40.76, LINE 800<br>INSTALL 6 X 4 CURB INLET<br>N 998332.5876 E 2841366.1408  |
| 1401                           | STA 1+34.99, LINE 1400<br>INSTALL 6 X 4 CURB INLET<br>N 997888.2170 E 2841398.4485 |
| 1501                           | STA 1+35.00, LINE 1500<br>INSTALL 6 X 4 CURB INLET<br>N 997553.4581 E 2841384.2494 |
| 1601                           | STA 3+02.61, LINE 1600<br>INSTALL 6 X 4 CURB INLET<br>N 997160.9734 E 2841487.4506 |
| 1602                           | STA 3+37.61, LINE 1600<br>INSTALL 6 X 4 CURB INLET<br>N 997128.1458 E 2841475.3181 |



**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 Certificates of Authority  
#E2002003600-F #LAC2001005237 #LS2002008659-F

PREPARED BY:  
  
06.27.2023  
SCHLAGEL & ASSOCIATES, P.A.

REUNION AT BLACKWELL  
PUBLIC STREET AND STORM SEWER PLANS  
SE SHENANDOAH DRIVE LEE'S SUMMIT, MO

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|----------|------------|-------------------|
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| 3        | 06/27/2023 | PER CITY COMMENTS |
| 4        | 07/13/2023 | PER CITY COMMENTS |
| 5        | 07/13/2023 | PER CITY COMMENTS |
| 6        | 07/13/2023 | PER CITY COMMENTS |
| 7        | 07/13/2023 | PER CITY COMMENTS |
| 8        | 07/13/2023 | PER CITY COMMENTS |
| 9        | 07/13/2023 | PER CITY COMMENTS |
| 10       | 07/13/2023 | PER CITY COMMENTS |

DRAWN BY: TRC  
CHECKED BY: MAB  
DATE PREPARED: 03/03/2023  
PROJ. NUMBER: 22-267

STORM PLAN

SHEET  
**19**



STORM CALCS



RELEASED FOR CONSTRUCTION  
As Noted on Plan Review

Development Services Department  
Lee's Summit, Missouri

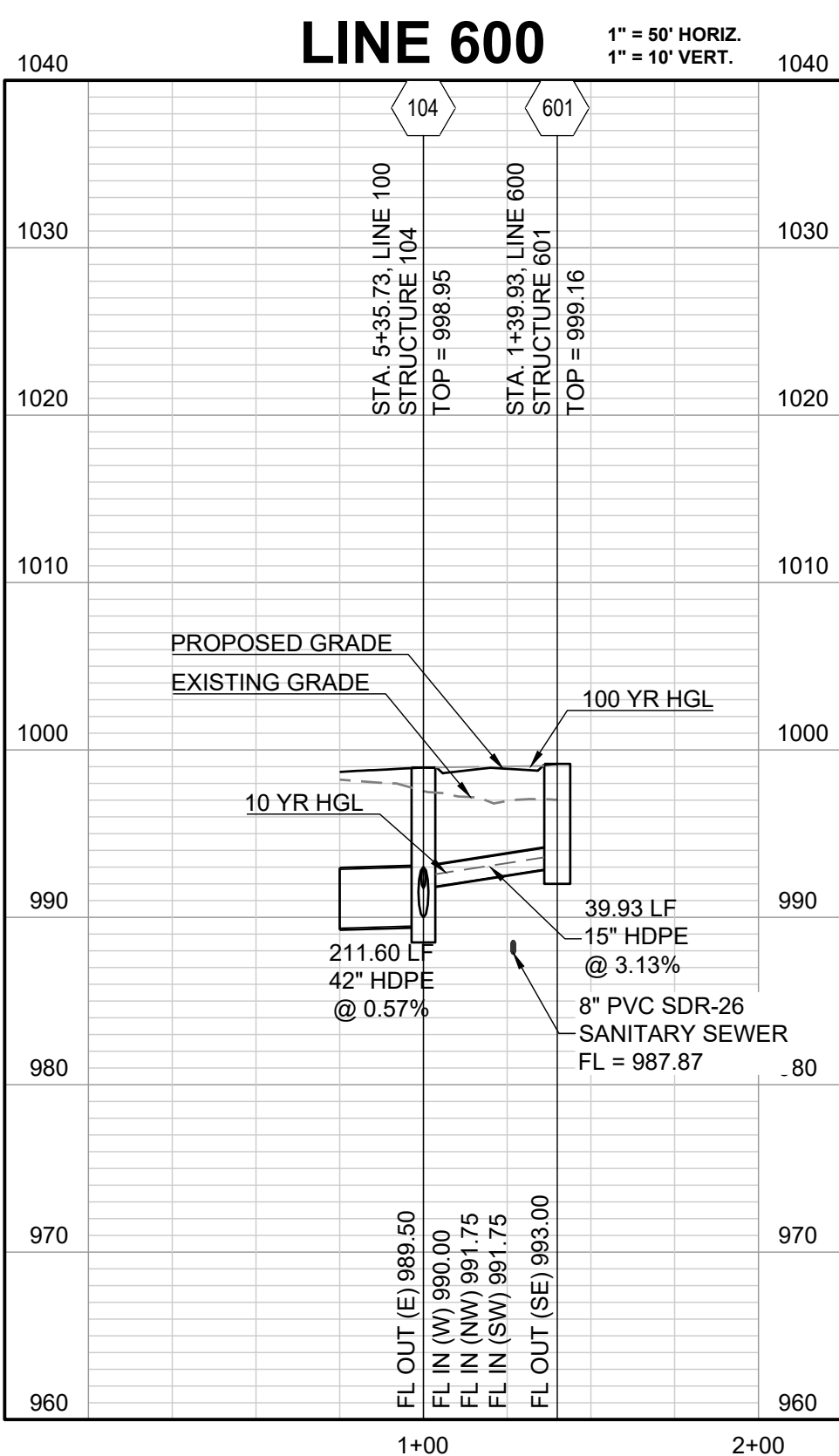
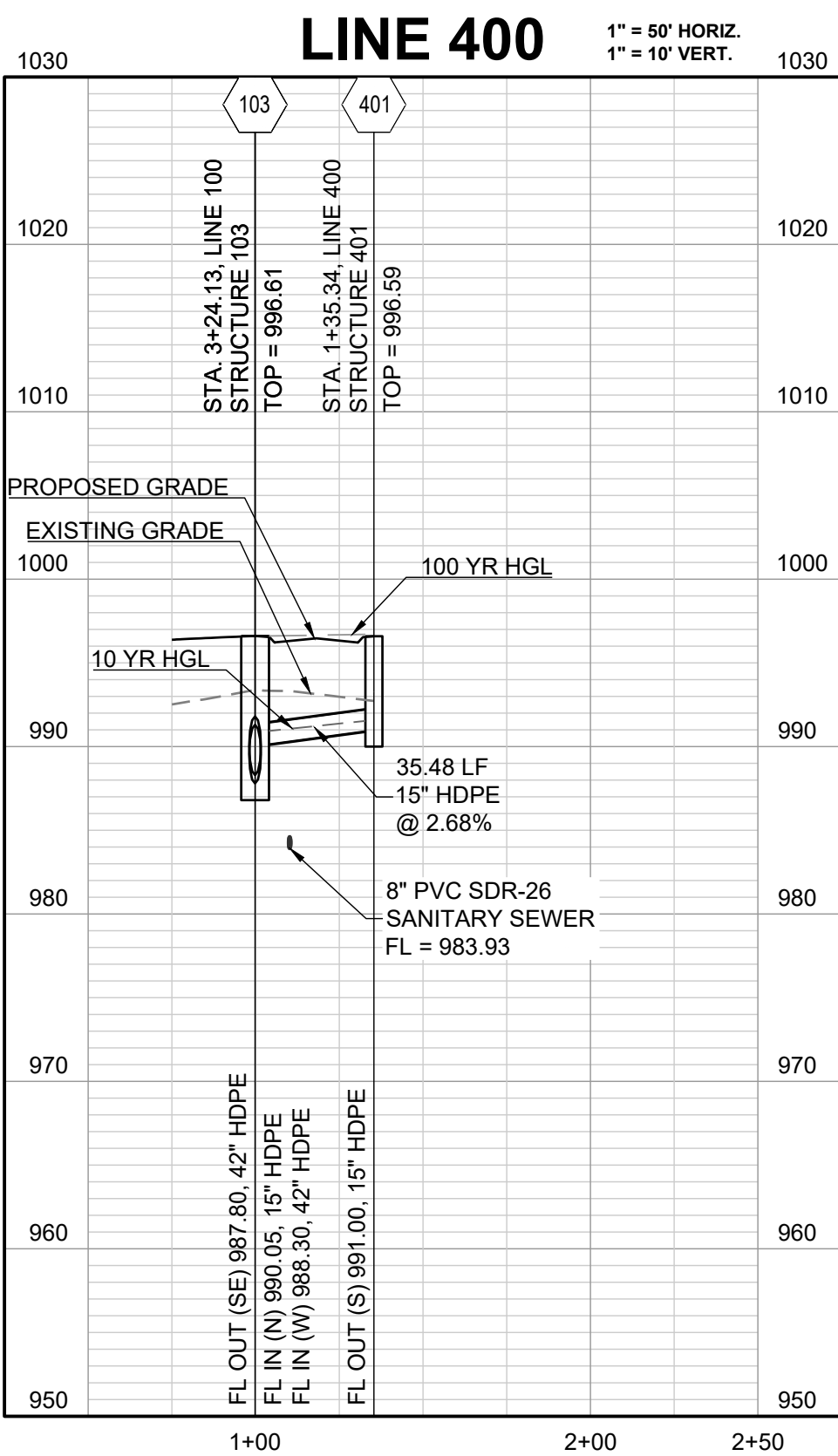
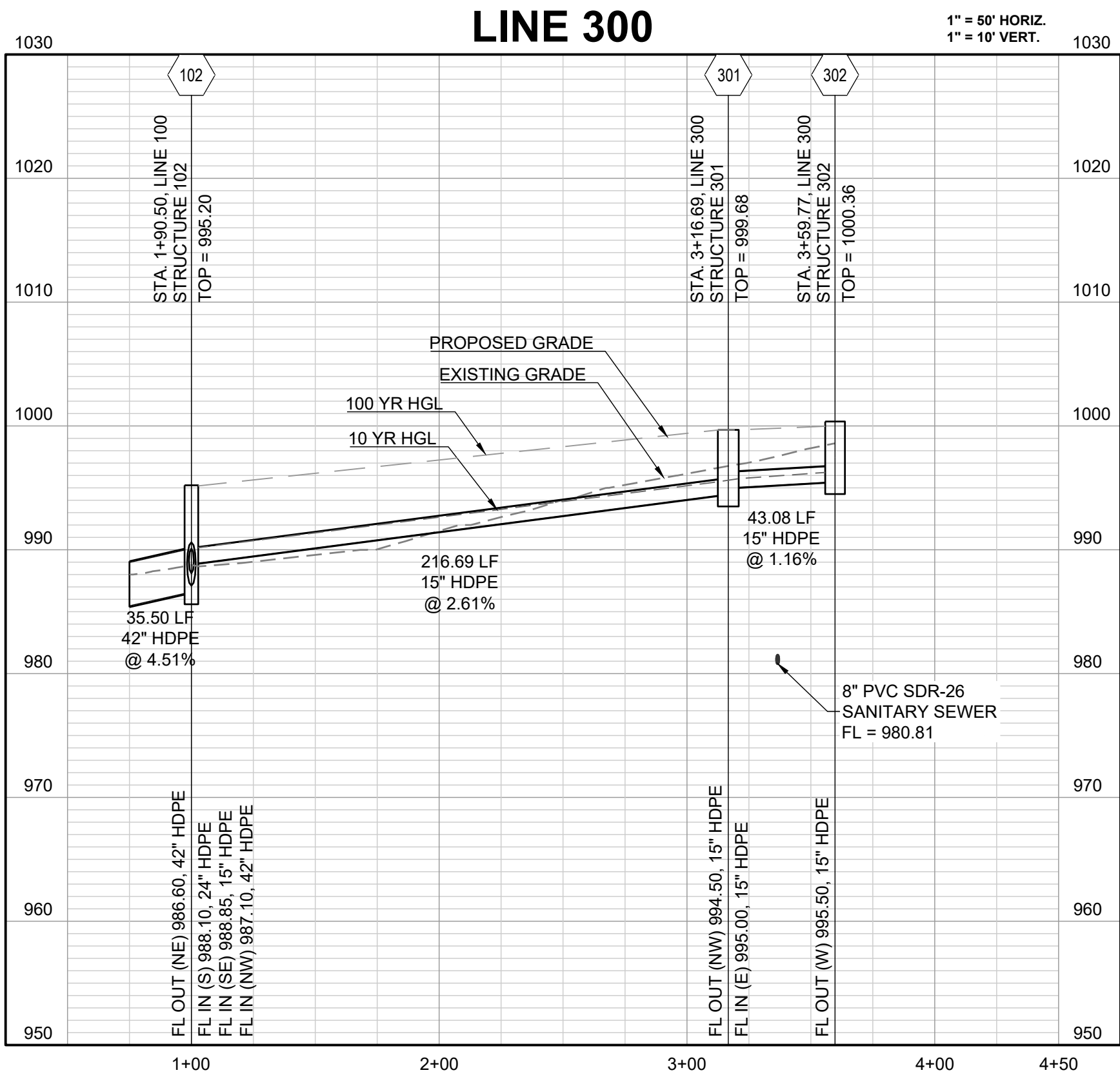
07/13/2023

| RUNOFF CALCULATIONS |               |      |          |           |        |                |                |                |                |                            |              | INLET DESIGN |                    |           |              |                          |                    |                            |              |                    |               |                |  | GUTTER DESIGN |  |  |  |
|---------------------|---------------|------|----------|-----------|--------|----------------|----------------|----------------|----------------|----------------------------|--------------|--------------|--------------------|-----------|--------------|--------------------------|--------------------|----------------------------|--------------|--------------------|---------------|----------------|--|---------------|--|--|--|
| INLET #             | COMPOSITE "C" | AREA | INLET Tc | INTENSITY | RUNOFF | UPSTREAM INLET | UPSTREAM INLET | UPSTREAM INLET | UPSTREAM INLET | BYPASS FROM UPSTREAM INLET | TOTAL RUNOFF | STREET GRADE | STREET CROSS SLOPE | CURB TYPE | INLET LENGTH | EFFECTIVE LENGTH 80% CAP | INLET INTERCEPTION | BYPASS TO DOWNSTREAM INLET | STREET GRADE | STREET CROSS SLOPE | DEPTH AT CURB | SPREAD OF FLOW |  |               |  |  |  |
| LINE 1              |               |      |          |           |        |                |                |                |                |                            |              |              |                    |           |              |                          |                    |                            |              |                    |               |                |  |               |  |  |  |
| 101                 | 0.66          | 0.61 | 5        | 7.35      | 2.96   | 302            | 401            |                |                | 1.31                       | 4.27         | SUMP         | 2.00               | A         | 6            | 4.8                      | 13.44              | 0.00                       | SUMP         | 2.00               | < 0.21        | < 12           |  |               |  |  |  |
| 102                 | 0.66          | 0.40 | 5        | 7.35      | 1.94   | 103            | 301            |                |                | 0.82                       | 2.76         | SUMP         | 2.00               | A         | 6            | 4.8                      | 13.44              | 0.00                       | SUMP         | 2.00               | < 0.21        | < 12           |  |               |  |  |  |
| 103                 | 0.66          | 0.37 | 5        | 7.35      | 1.79   | 104            |                |                |                | 0.23                       | 2.03         | 1.20         | 2.00               | A         | 6            | 6                        | 1.81               | 0.22                       | 1.20         | 2.00               | 0.18          | 9.27           |  |               |  |  |  |
| 104                 | 0.66          | 0.22 | 5        | 7.35      | 1.07   | 501            | 502            |                |                | 1.02                       | 2.08         | 1.20         | 2.00               | A         | 6            | 6                        | 1.85               | 0.23                       | 1.20         | 2.00               | 0.18          | 9.36           |  |               |  |  |  |
| 105                 | 0.66          | 0.11 | 5        | 7.35      | 0.53   | 106            | 107            | 108            |                | 0.86                       | 1.39         | 1.20         | 2.00               | A         | 6            | 6                        | 1.29               | 0.10                       | 1.20         | 2.00               | 0.15          | 8.11           |  |               |  |  |  |
| 106                 | 0.66          | 0.18 | 5        | 7.35      | 0.87   | 701            |                |                |                | 0.12                       | 1.00         | 1.20         | 2.00               | A         | 6            | 6                        | 0.95               | 0.05                       | 1.20         | 2.00               | 0.13          | 7.22           |  |               |  |  |  |
| 107                 | 0.66          | 0.64 | 5        | 7.35      | 3.10   | 1401           |                |                |                | 0.68                       | 3.78         | 1.20         | 2.00               | A         | 6            | 6                        | 3.00               | 0.77                       | 1.20         | 2.00               | 0.22          | 11.57          |  |               |  |  |  |
| 108                 | 0.66          | 0.18 | 5        | 7.35      | 0.87   | 109            |                |                |                | 0.02                       | 0.89         | 1.20         | 2.00               | A         | 6            | 6                        | 0.85               | 0.03                       | 1.20         | 2.00               | 0.13          | 6.93           |  |               |  |  |  |
| 109                 | 0.66          | 0.12 | 5        | 7.35      | 0.58   | 110            |                |                |                | 0.08                       | 0.66         | 1.21         | 2.00               | A         | 6            | 6                        | 0.64               | 0.02                       | 1.21         | 2.00               | 0.11          | 6.25           |  |               |  |  |  |
| 110                 | 0.66          | 0.11 | 5        | 7.35      | 0.53   | 111            |                |                |                | 0.58                       | 1.11         | 1.66         | 2.00               | A         | 6            | 6                        | 1.03               | 0.08                       | 1.66         | 2.00               | 0.13          | 7.08           |  |               |  |  |  |
| 111                 | 0.66          | 0.53 | 5        | 7.35      | 2.57   | 112            |                |                |                | 0.34                       | 2.91         | 1.66         | 2.00               | A         | 6            | 6                        | 2.33               | 0.58                       | 1.66         | 2.00               | 0.19          | 9.94           |  |               |  |  |  |
| 112                 | 0.66          | 0.42 | 5        | 7.35      | 2.04   | 113            |                |                |                | 0.18                       | 2.22         | 1.66         | 2.00               | A         | 6            | 6                        | 1.88               | 0.34                       | 1.66         | 2.00               | 0.17          | 9.03           |  |               |  |  |  |
| 113                 | 0.66          | 0.34 | 5        | 7.35      | 1.65   |                |                |                |                | 0.00                       | 1.65         | 1.66         | 2.00               | A         | 6            | 6                        | 1.47               | 0.18                       | 1.66         | 2.00               | 0.15          | 8.13           |  |               |  |  |  |
| 114                 | 0.66          | 0.39 | 5        | 7.35      | 1.89   |                |                |                |                | 0.00                       | 1.89         | 1.64         | 2.00               | A         | 6            | 6                        | 1.65               | 0.24                       | 1.64         | 2.00               | 0.16          | 8.55           |  |               |  |  |  |
| LINE 3              |               |      |          |           |        |                |                |                |                |                            |              |              |                    |           |              |                          |                    |                            |              |                    |               |                |  |               |  |  |  |
| 301                 | 0.66          | 0.52 | 5        | 7.35      | 2.52   |                |                |                |                | 0.00                       | 2.52         | 2.70         | 2.00               | A         | 6            | 6                        | 1.92               | 0.60                       | 2.70         | 2.00               | 0.16          | 8.67           |  |               |  |  |  |
| 302                 | 0.66          | 0.69 | 5        | 7.35      | 3.35   |                |                |                |                | 0.00                       | 3.35         | 2.70         | 2.00               | A         | 6            | 6                        | 2.33               | 1.02                       | 2.70         | 2.00               | 0.18          | 9.59           |  |               |  |  |  |
| LINE 4              |               |      |          |           |        |                |                |                |                |                            |              |              |                    |           |              |                          |                    |                            |              |                    |               |                |  |               |  |  |  |
| 401                 | 0.66          | 0.42 | 5        | 7.35      | 2.04   | 601            |                |                |                | 0.30                       | 2.34         | 1.20         | 2.00               | A         | 6            | 6                        | 2.04               | 0.30                       | 1.20         | 2.00               | 0.18          | 9.75           |  |               |  |  |  |
| LINE 5              |               |      |          |           |        |                |                |                |                |                            |              |              |                    |           |              |                          |                    |                            |              |                    |               |                |  |               |  |  |  |
| 501                 | 0.66          | 0.43 | 5        | 7.35      | 2.09   |                |                |                |                | 0.00                       | 2.09         | 1.09         | 2.00               | A         | 6            | 6                        | 1.87               | 0.22                       | 1.09         | 2.00               | 0.18          | 9.52           |  |               |  |  |  |
| 502                 | 0.66          | 0.71 | 5        | 7.35      | 3.44   | 702            |                |                |                | 0.52                       | 3.97         | 1.09         | 2.00               | A         | 6            | 6                        | 3.17               | 0.80                       | 1.09         | 2.00               | 0.23          | 11.98          |  |               |  |  |  |
| LINE 6              |               |      |          |           |        |                |                |                |                |                            |              |              |                    |           |              |                          |                    |                            |              |                    |               |                |  |               |  |  |  |
| 601                 | 0.66          | 0.43 | 5        | 7.35      | 2.09   | 801            |                |                |                | 0.27                       | 2.35         | 1.20         | 2.00               | A         | 6            | 6                        | 2.05               | 0.30                       | 1.20         | 2.00               | 0.19          | 9.77           |  |               |  |  |  |
| LINE 7              |               |      |          |           |        |                |                |                |                |                            |              |              |                    |           |              |                          |                    |                            |              |                    |               |                |  |               |  |  |  |
| 701                 | 0.66          | 0.32 | 5        | 7.35      | 1.55   |                |                |                |                | 0.00                       | 1.55         | 1.20         | 2.00               | A         | 6            | 6                        | 1.43               | 0.12                       | 1.20         | 2.00               | 0.16          | 8.43           |  |               |  |  |  |
| 702                 | 0.66          | 0.58 | 5        | 7.35      | 2.81   | 703            |                |                |                | 0.29                       | 3.10         | 1.19         | 2.00               | A         | 6            | 6                        | 2.58               | 0.52                       | 1.19         | 2.00               | 0.21          | 10.80          |  |               |  |  |  |
| 703                 | 0.66          | 0.46 | 5        | 7.35      | 2.23   | 704            |                |                |                | 0.08                       | 2.31         | 1.19         | 2.00               | A         | 6            | 6                        | 2.02               | 0.29                       | 1.19         | 2.00               | 0.18          | 9.72           |  |               |  |  |  |
| 704                 | 0.66          | 0.26 | 5        | 7.35      | 1.26   | 1601           |                |                |                | 0.02                       | 1.28         | 1.19         | 2.00               | A         | 6            | 6                        | 1.20               | 0.08                       | 1.19         | 2.00               | 0.15          | 7.88           |  |               |  |  |  |
| 705                 | 0.66          | 0.07 | 5        | 7.35      | 0.34   |                |                |                |                | 0.00                       | 0.34         | 1.19         | 2.00               | A         | 6            | 6                        | 0.34               | 0.00                       | 1.19         | 2.00               | 0.09          | 4.99           |  |               |  |  |  |
| 706                 | 0.66          | 0.03 | 5        | 7.35      | 0.15   |                |                |                |                | 0.00                       | 0.15         | 1.19         | 2.00               | A         | 6            | 6                        | 0.15               | 0.00                       | 1.19         | 2.00               | 0.07          | 3.77           |  |               |  |  |  |
| 707                 | 0.66          | 0.49 | 5        | 7.35      | 2.38   | 1601           |                |                |                | 0.02                       | 2.39         | SUMP         | 2.00               | A         | 6            | 4.8                      | 13.44              | 0.00                       | SUMP         | 2.00               | < 0.21        | < 12           |  |               |  |  |  |
| 707                 | 0.66          | 0.50 | 5        | 7.35      | 2.43   |                |                |                |                | 0.00                       | 2.43         | SUMP         | 2.00               | A         | 6            | 4.8                      | 13.44              | 0.00                       | SUMP         | 2.00               | < 0.21        | < 12           |  |               |  |  |  |
| LINE 8              |               |      |          |           |        |                |                |                |                |                            |              |              |                    |           |              |                          |                    |                            |              |                    |               |                |  |               |  |  |  |
| 801                 | 0.66          | 0.26 | 5        | 7.35      | 1.26   | 901            |                |                |                | 0.95                       | 2.21         | 1.20         | 2.00               | A         | 6            | 6                        | 1.95               | 0.27                       | 1.20         | 2.00               | 0.18          | 9.56           |  |               |  |  |  |
| LINE 9              |               |      |          |           |        |                |                |                |                |                            |              |              |                    |           |              |                          |                    |                            |              |                    |               |                |  |               |  |  |  |
| 901                 | 0.66          | 0.66 | 5        | 7.35      | 3.20   | 1101           |                |                |                | 0.86                       | 4.07         | 1.33         | 2.00               | A         | 6            | 6                        | 3.11               | 0.95                       | 1.33         | 2.00               | 0.22          | 11.66          |  |               |  |  |  |
| LINE 11             |               |      |          |           |        |                |                |                |                |                            |              |              |                    |           |              |                          |                    |                            |              |                    |               |                |  |               |  |  |  |
| 1101                | 0.66          | 0.65 | 5        | 7.35      | 3.15   | 1201           |                |                |                | 0.44                       | 3.59         | 1.66         | 2.00               | A         | 6            | 6                        | 2.73               | 0.86                       | 1.66         | 2.00               | 0.20          | 10.72          |  |               |  |  |  |
| LINE 12             |               |      |          |           |        |                |                |                |                |                            |              |              |                    |           |              |                          |                    |                            |              |                    |               |                |  |               |  |  |  |
| 1201                | 0.66          | 0.47 | 5        | 7.35      | 2.28   | 114            |                |                |                | 0.24                       | 2.52         | 1.66         | 2.00               | A         | 6            | 6                        | 2.09               | 0.44                       | 1.66         | 2.00               | 0.18          | 9.45           |  |               |  |  |  |
| LINE 14             |               |      |          |           |        |                |                |                |                |                            |              |              |                    |           |              |                          |                    |                            |              |                    |               |                |  |               |  |  |  |
| 1401                | 0.66          | 0.54 | 5        | 7.35      | 2.62   | 1501           |                |                |                | 0.91                       | 3.53         | 1.19         | 2.00               | A         | 6            | 6                        | 2.86               | 0.68                       | 1.19         | 2.00               | 0.22          | 11.31          |  |               |  |  |  |
| LINE 15             |               |      |          |           |        |                |                |                |                |                            |              |              |                    |           |              |                          |                    |                            |              |                    |               |                |  |               |  |  |  |
| 1501                | 0.66          | 0.85 | 5        | 7.35      | 4.12   | 705            |                |                |                | 0.00                       | 4.13         | 1.19         | 2.00               | A         | 6            | 6                        | 3.21               | 0.91                       | 1.19         | 2.00               | 0.23          | 11.96          |  |               |  |  |  |
| LINE 16             |               |      |          |           |        |                |                |                |                |                            |              |              |                    |           |              |                          |                    |                            |              |                    |               |                |  |               |  |  |  |
| 1601                | 0.66          | 0.13 | 5        | 7.35      | 0.63   |                |                |                |                | 0.00                       | 0.63         | 1.33         | 2.00               | A         | 6            | 6                        | 0.61               | 0.02                       | 1.33         | 2.00               | 0.11          | 6.05           |  |               |  |  |  |
| 1602                | 0.66          | 0.13 | 5        | 7.35      | 0.63   |                |                |                |                | 0.00                       | 0.63         | 1.33         | 2.00               | A         | 7            | 7                        | 0.62               | 0.01                       | 1.33         | 2.00               | 0.11          | 6.05           |  |               |  |  |  |
| LINE 17             |               |      |          |           |        |                |                |                |                |                            |              |              |                    |           |              |                          |                    |                            |              |                    |               |                |  |               |  |  |  |
| 1701                | 0.66          | 1.32 | 5        | 7.35      | 6.40   | 1702           | 2101           | 2301           |                | 0.03                       | 6.43         | SUMP         | 2.00               | A         | 6            | 4.8                      | 13.44              | 0.00                       | SUMP         | 2.00               | < 0.21        | < 12           |  |               |  |  |  |
| 1702                | 0.66          | 0.27 | 5        | 7.35      | 1.31   | 1703           | 1801           |                |                | 0.02                       | 1.33         | 1.20         | 2.00               | A         | 6            | 6                        | 1.24               | 0.09                       | 1.20         | 2.00               | 0.15          | 7.98           |  |               |  |  |  |
| 1703                | 0.66          | 0.53 | 5        | 7.35      | 2.57   | 1704           |                |                |                | 0.01                       | 2.58         | 1.33         | 2.00               | A         | 6            | 6                        | 2.19               | 0.39                       | 1.33         | 2.00               | 0.19          | 9.91           |  |               |  |  |  |
| 1704                | 0.66          | 0.28 | 5        | 7.35      | 1.36   | 1705           |                |                |                | 0.01                       | 1.37         | 1.33         | 2.00               | A         | 6            | 6                        | 1.27               | 0.10                       | 1.33         | 2.00               | 0.15          | 7.92           |  |               |  |  |  |
| 1705                | 0.66          | 0.39 | 5        | 7.35      | 1.89   |                |                |                |                | 0.00                       | 1.89         | 1.33         | 2.00               | A         | 6            | 6                        | 1.69               | 0.21                       | 1.33         | 2.00               | 0.17          | 8.88           |  |               |  |  |  |
| 1706                | 0.66          | 0.86 | 5        | 7.35      | 4.17   | 1707           |                |                |                | 0.01                       | 4.18         | 1.25         | 2.00               | A         | 6            | 6                        | 3.22               | 0.97                       | 1.25         | 2.00               | 0.23          | 11.91          |  |               |  |  |  |
| 1707                | 0.66          | 0.34 | 5        | 7.35      | 1.65   |                |                |                |                | 0.00                       | 1.65         | 1.40         | 2.00               | A         | 6            | 6                        | 1.49               | 0.16                       | 1.40         | 2.00               | 0.16          | 8.38           |  |               |  |  |  |
| LINE 18             |               |      |          |           |        |                |                |                |                |                            |              |              |                    |           |              |                          |                    |                            |              |                    |               |                |  |               |  |  |  |
| 1801                | 0.66          | 0.55 | 5        | 7.35      | 2.67   | 1901           |                |                |                | 0.01                       | 2.68         | 1.33         | 2.00               | A         | 6            | 6                        | 2.26               | 0.42                       | 1.33         | 2.00               | 0.19          | 10.04          |  |               |  |  |  |
| LINE 19             |               |      |          |           |        |                |                |                |                |                            |              |              |                    |           |              |                          |                    |                            |              |                    |               |                |  |               |  |  |  |
| 1901                | 0.66          | 0.26 | 5        | 7.35      | 1.26   | 1706           |                |                |                | 0.01                       | 1.27         | 1.33         | 2.00               | A         | 6            | 6                        | 1.18               | 0.09                       | 1.33         | 2.00               | 0.14          | 7.72           |  |               |  |  |  |
| LINE 21             |               |      |          |           |        |                |                |                |                |                            |              |              |                    |           |              |                          |                    |                            |              |                    |               |                |  |               |  |  |  |
| 2101                | 0.66          | 0.31 | 5        | 7.35      | 1.50   | 2102           |                |                |                | 0.01                       | 1.51         | 1.99         | 2.00               | A         | 6            | 6                        | 1.34               | 0.18                       | 1.99         | 2.00               | 0.14          | 7.64           |  |               |  |  |  |
| 2102                | 0.66          | 0.32 | 5        | 7.35      | 1.55   |                |                |                |                | 0.00                       | 1.55         | 1.99         | 2.00               | A         | 6            | 6                        | 1.37               | 0.19                       | 1.99         | 2.00               | 0.14          | 7.71           |  |               |  |  |  |
| 2103                | 0.66          | 0.43 | 5        | 7.35      | 2.09   |                |                |                |                | 0.00                       | 2.09         | 1.99         | 2.00               | A         | 6            | 6                        | 1.75               | 0.34                       | 1.99         | 2.00               | 0.16          | 8.56           |  |               |  |  |  |
| LINE 23             |               |      |          |           |        |                |                |                |                |                            |              |              |                    |           |              |                          |                    |                            |              |                    |               |                |  |               |  |  |  |
| 2301                | 0.66          | 0.29 | 5        | 7.35      | 1.41   | 2103           |                |                |                | 0.01                       | 1.42         | 1.99         | 2.00               | A         | 6            | 6                        | 1.26               | 0.15                       | 1.99         | 2.00               | 0.14          | 7.47           |  |               |  |  |  |





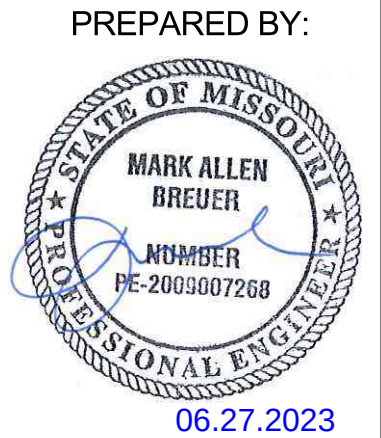




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As Noted on Plan Review

Development Services Department  
Lee's Summit, Missouri

07/13/2023



SCHLAGEL & ASSOCIATES, P.A.

REUNION AT BLACKWELL  
PUBLIC STREET AND STORM SEWER PLANS  
SE SHENANDOAH DRIVE LEE'S SUMMIT, MO

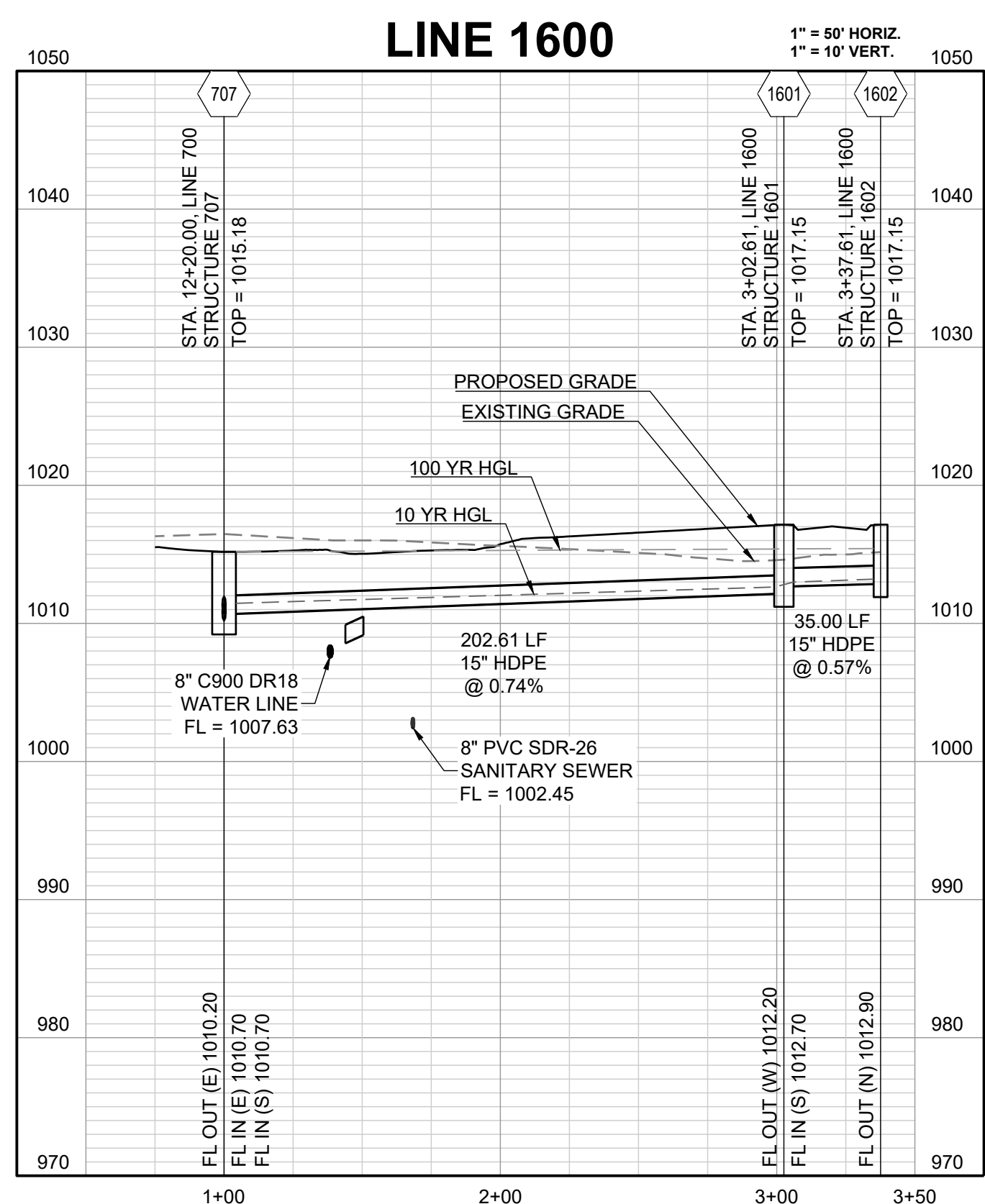
| REVISION DATE                | DESCRIPTION       |
|------------------------------|-------------------|
| DRAWN BY:<br>TRC             | PER CITY COMMENTS |
| CHECKED BY:<br>MAB           | PER CITY COMMENTS |
| DATE PREPARED:<br>03/03/2023 | PER CITY COMMENTS |
| PROJ. NUMBER:<br>22-597      |                   |

STORM  
PROFILES



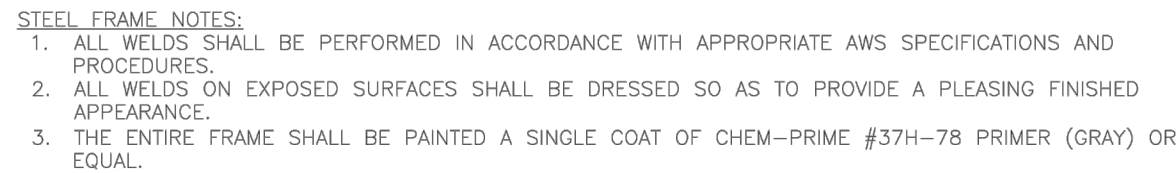
SHEET

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07/13/2023



STM-1



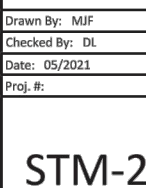
PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063

## FLARED END SECTION SUPPORT DETAIL

|               |
|---------------|
| Date: 05/2021 |
| Drawn By: MJ  |
| Checked By: D |

|               |
|---------------|
| Drawn By: MJ  |
| Checked By: D |

Checked By: D



**RIP-RAP AT OUTLET**  
NOT TO SCALE

PREPARED BY:



SCHLAGEL &amp; ASSOCIATES, P.A.

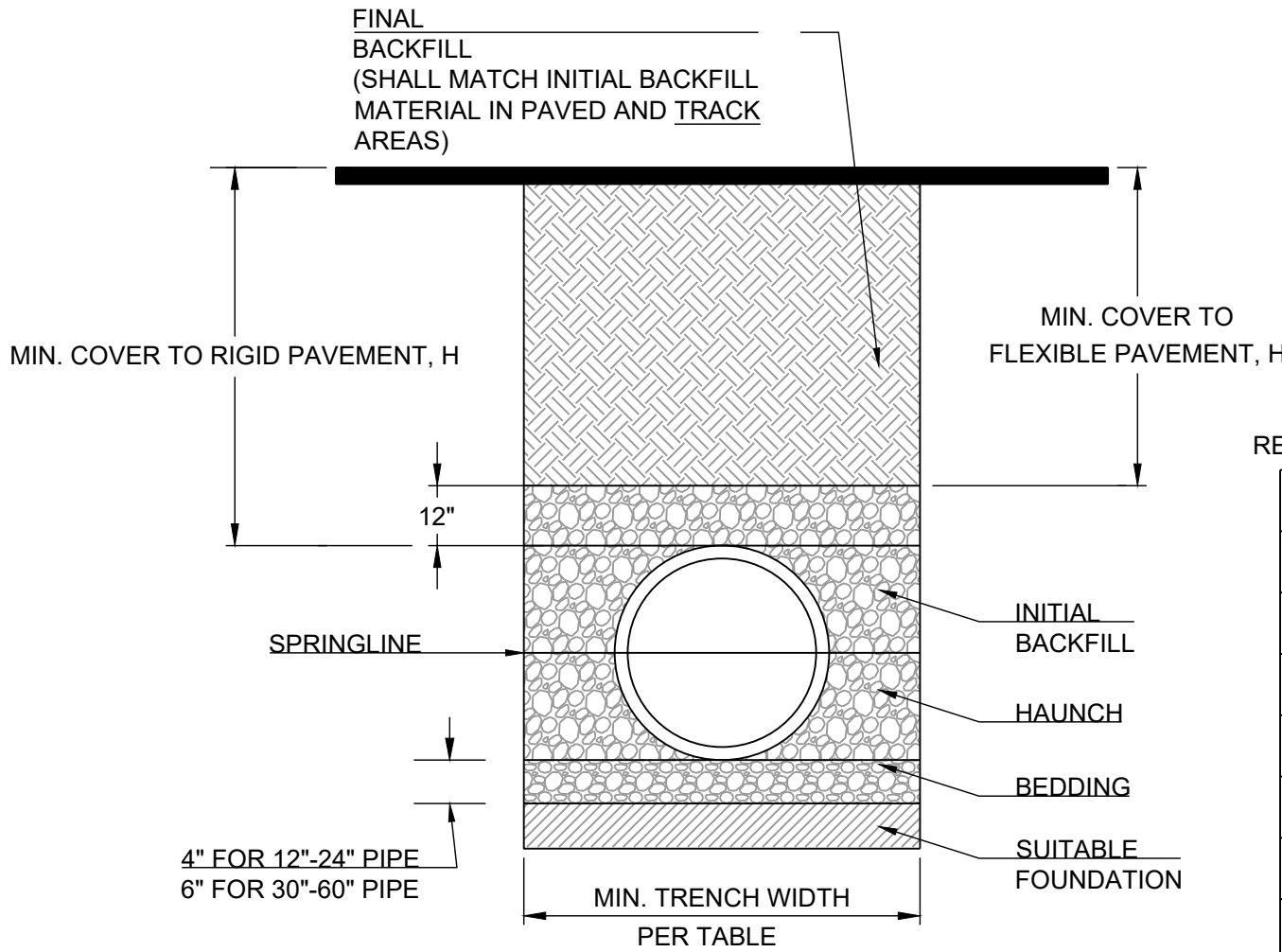
REUNION AT BLACKWELL  
PUBLIC STREET AND STORM SEWER PLANS  
SEE SHENANDOAH DRIVE LEE'S SUMMIT, MO

## STORM DETAILS

SHEET

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| MINIMUM RECOMMENDED COVER BASED ON VEHICLE LIVE LOADING CONDITION |      |                                      |
|-------------------------------------------------------------------|------|--------------------------------------|
| PIPE DIAM.                                                        | H-25 | HEAVY CONSTRUCTION (75T AXLE LOAD) * |
| 12" - 48"                                                         | 12"  | 48"                                  |
| 54" - 60"                                                         | 24"  | 60"                                  |

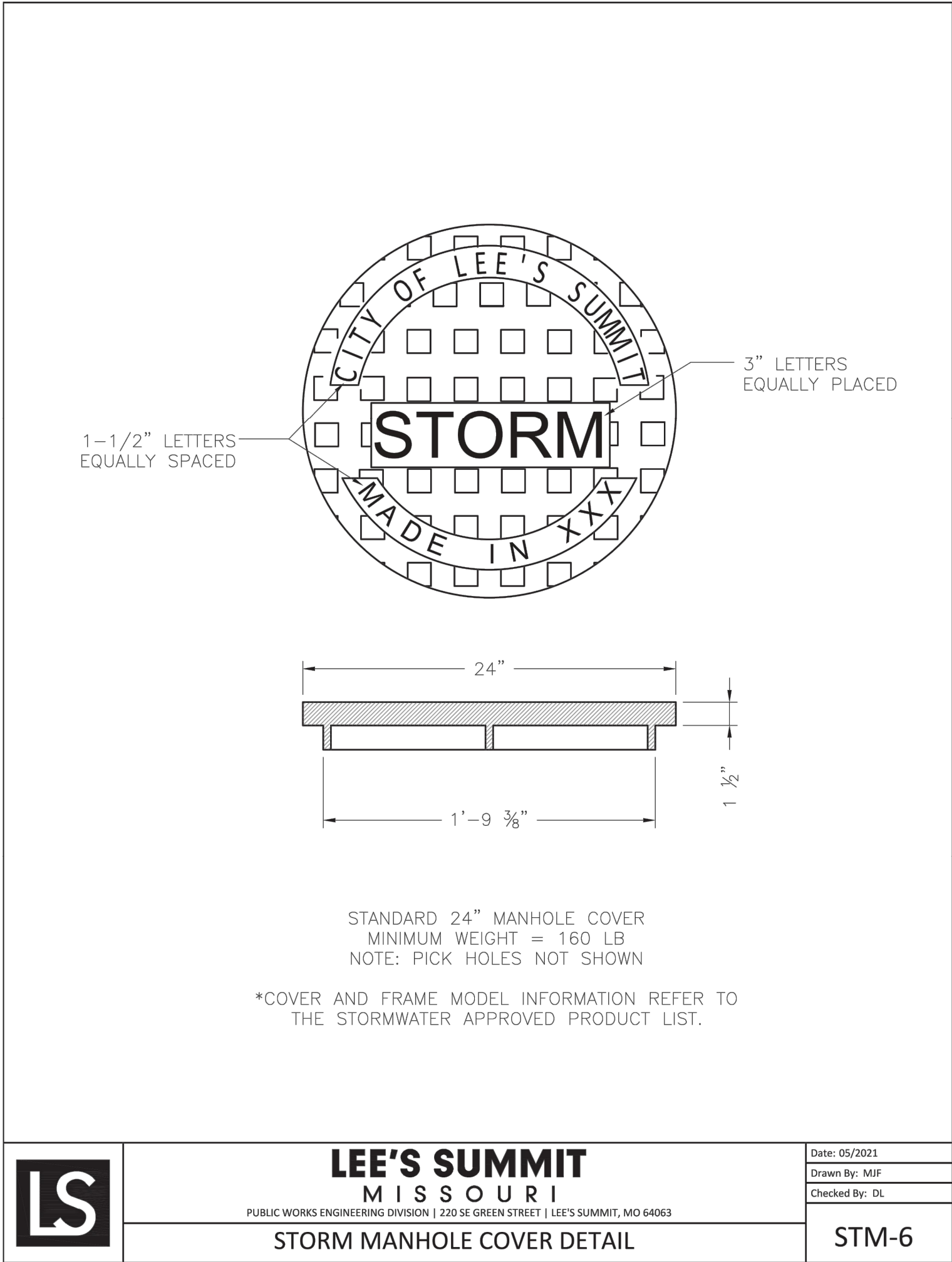
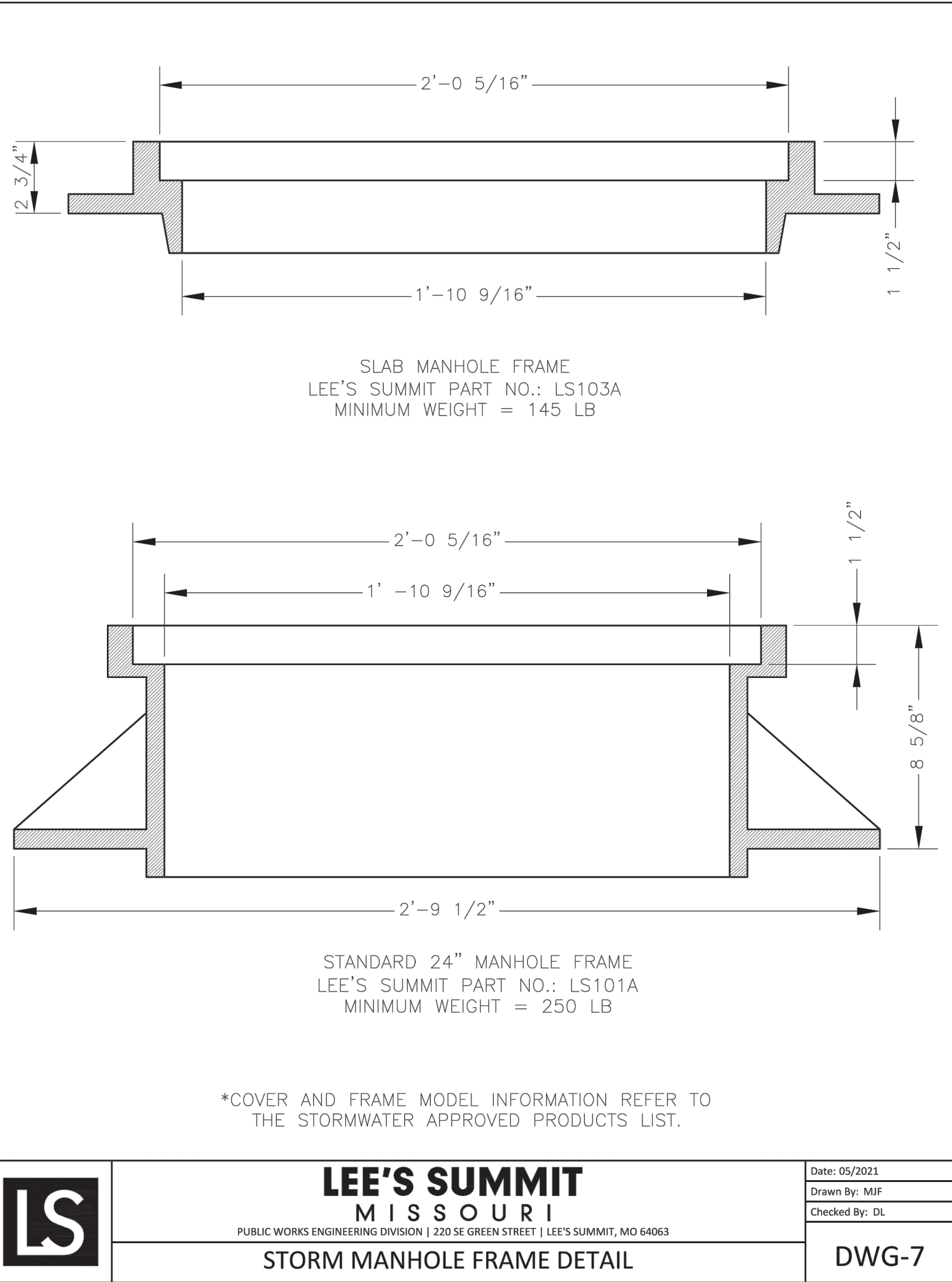
\* VEHICLES IN EXCESS OF 75T MAY REQUIRE ADDITIONAL COVER

RECOMMENDED MINIMUM TRENCH WIDTHS

| PIPE DIAM. | MIN. TRENCH WIDTH |
|------------|-------------------|
| 4"         | 21"               |
| 6"         | 23"               |
| 8"         | 26"               |
| 10"        | 28"               |
| 12"        | 30"               |
| 15"        | 34"               |
| 18"        | 39"               |
| 24"        | 48"               |
| 30"        | 56"               |
| 36"        | 64"               |
| 42"        | 72"               |
| 48"        | 80"               |
| 54"        | 88"               |
| 60"        | 96"               |

NOTES:

- ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST EDITION
- MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
- FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
- BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm); 6" (150mm) FOR 30"-60" (750mm-900mm).
- INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
- MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOATATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 54"-60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.
- TESTING: CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF ALL MATERIAL TESTING REQUIRED FOR THEIR WORK. THIS INCLUDES SCHEDULING OF TESTS, COORDINATING AND PROVIDING ACCESS TO SAMPLE LOCATIONS, AND SATISFYING ALL TEST RESULT REPORTING REQUIREMENTS.



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As Noted on Plan Review

Development Services Department  
Lee's Summit, Missouri

07/13/2023

PREPARED BY:



SCHLAGEL & ASSOCIATES, P.A.

REUNION AT BLACKWELL  
PUBLIC STREET AND STORM SEWER PLANS

SE SHENANDOAH DRIVE LEE'S SUMMIT, MO

| REVISION DATE | DESCRIPTION       |
|---------------|-------------------|
| 1 05/05/2023  | PER CITY COMMENTS |
| 2 06/02/2023  | PER CITY COMMENTS |
| 3 06/27/2023  | PER CITY COMMENTS |
| 4             |                   |
| 5             |                   |
| 6             |                   |
| 7             |                   |
| 8             |                   |
| 9             |                   |
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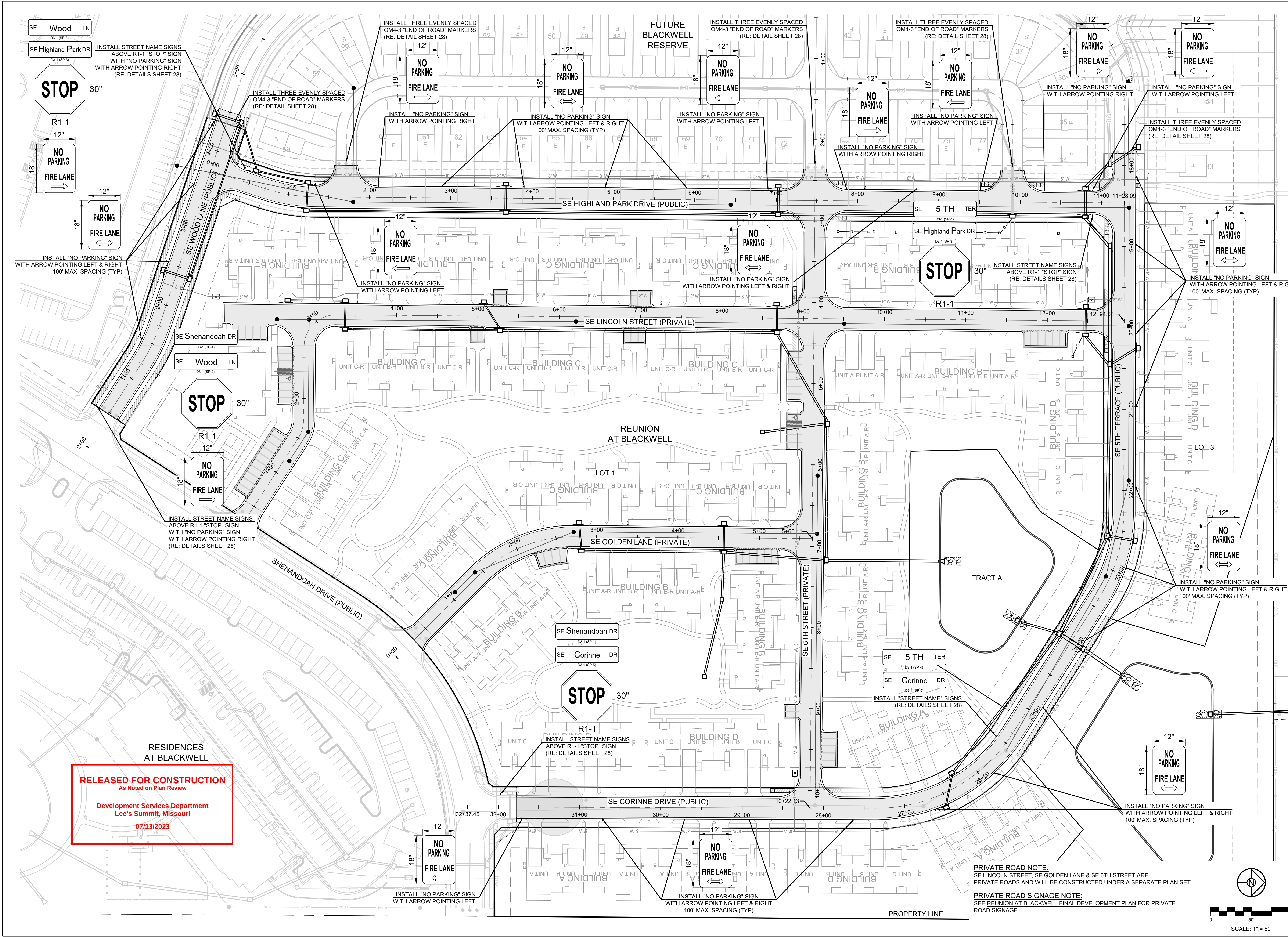
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|----------------|------------|
| DRAWN BY:      | TRC        |
| CHECKED BY:    | MAB        |
| DATE PREPARED: | 03/03/2023 |
| PROJ. NUMBER:  | 22-597     |

STORM DETAILS

SHEET

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As Noted on Plan Review

Development Services Department  
Lee's Summit, Missouri  
07/13/2023

**SCHLAGEL**  
ENGINEERS, PLANNERS, SURVEYORS, LANDSCAPE ARCHITECTS  
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Missouri State Certificate of Authority  
#E200200360F #LAC001005237 #LS200200859F

PREPARED BY:  
  
**MARK ALLEN BREWER**  
MEMBER  
06.27.2023

SCHLAGEL & ASSOCIATES, P.A.

REUNION AT BLACKWELL  
PUBLIC STREET AND STORM SEWER PLANS  
SE SHENANDOAH DRIVE LEE'S SUMMIT, MO

| REVISION | DATE       | DESCRIPTION       |
|----------|------------|-------------------|
| 1        | 05/05/2023 | PER CITY COMMENTS |
| 2        | 06/02/2023 | PER CITY COMMENTS |
| 3        | 06/27/2023 | PER CITY COMMENTS |
| 4        |            |                   |
| 5        |            |                   |
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| 9        |            |                   |
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| DRAWN BY:      | TRC        |
|----------------|------------|
| CHECKED BY:    | MAB        |
| DATE PREPARED: | 03/03/2023 |
| PROJ. NUMBER:  | 22-297     |

STREET SIGN PLAN

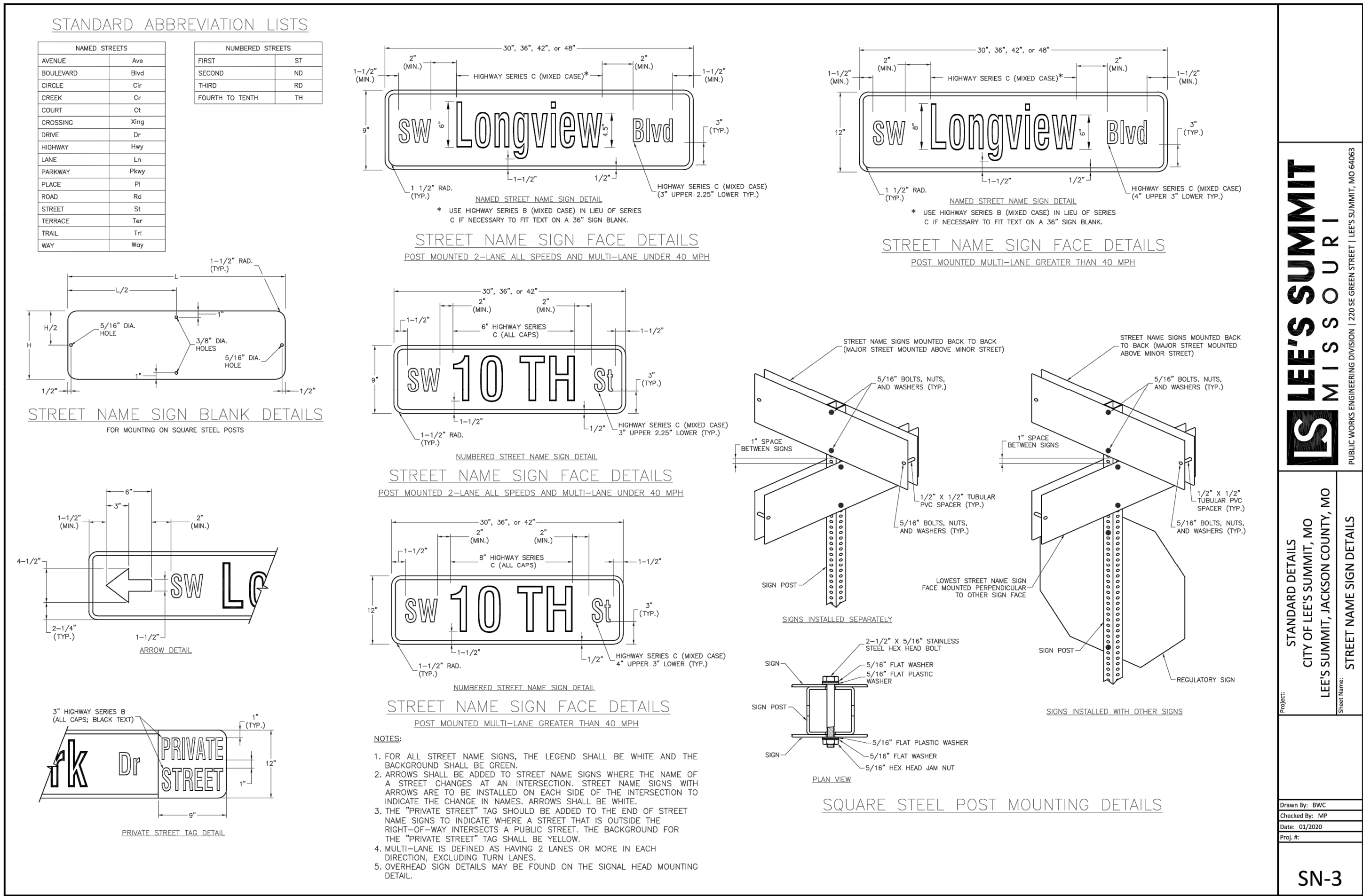
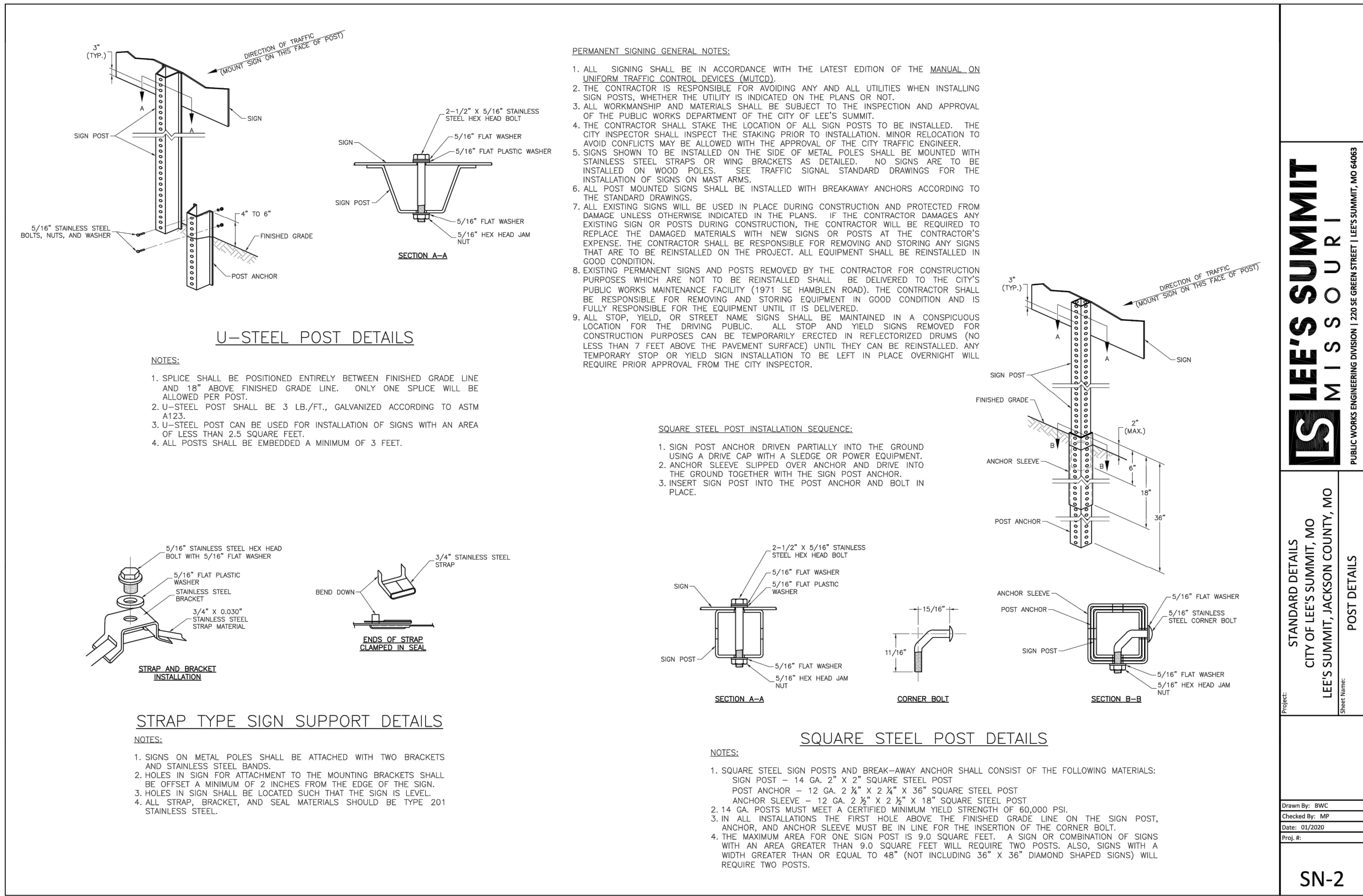
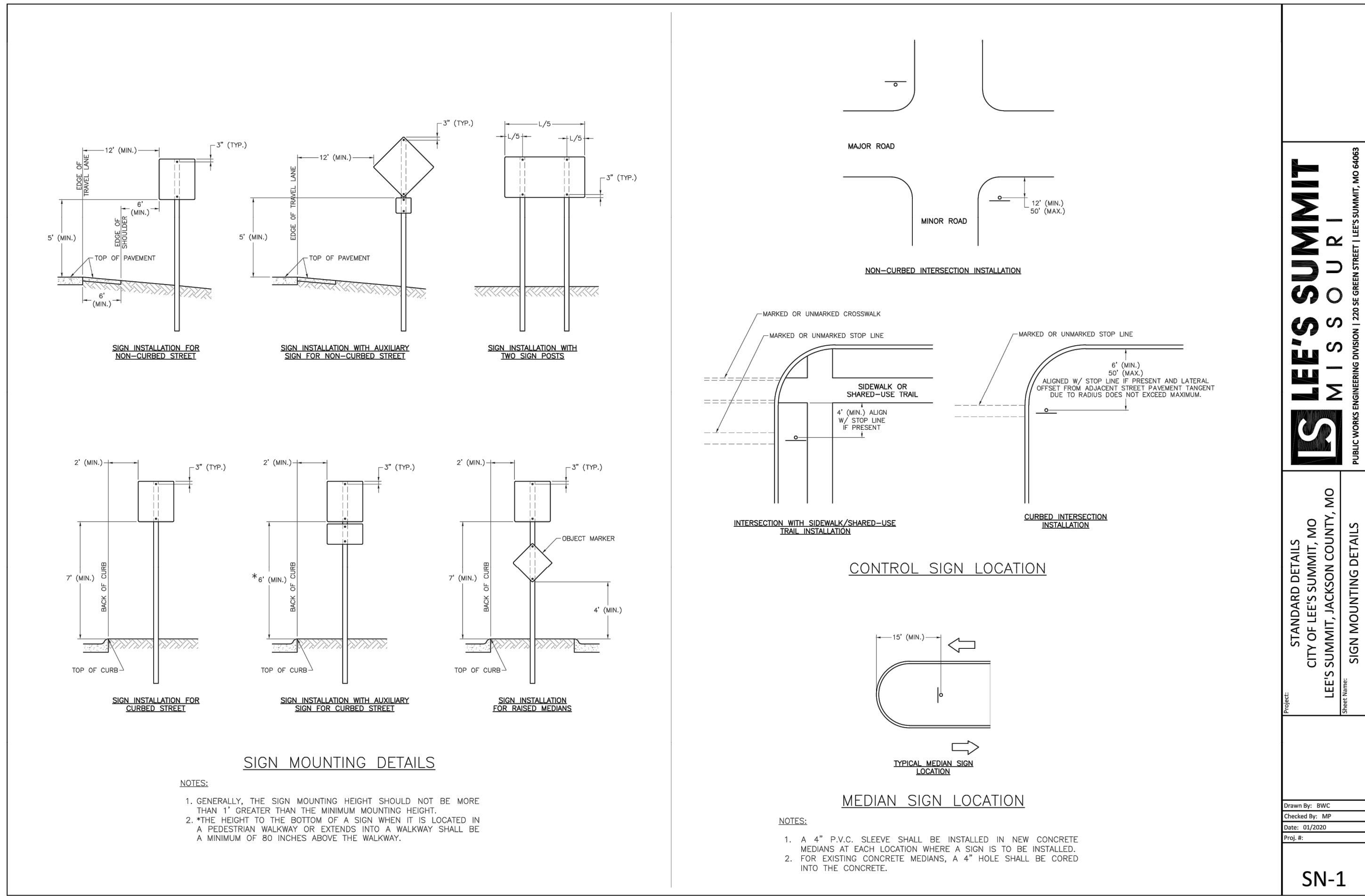
SHEET  
**27**

PRIVATE ROAD NOTE:  
SE LINCOLN STREET, SE GOLDEN LANE & SE 6TH STREET ARE PRIVATE ROADS AND WILL BE CONSTRUCTED UNDER A SEPARATE PLAN SET.

PRIVATE ROAD SIGNAGE NOTE:  
SEE REUNION AT BLACKWELL FINAL DEVELOPMENT PLAN FOR PRIVATE ROAD SIGNAGE.

SCALE: 1" = 50'





STREET NAME SIGN QUANTITIES

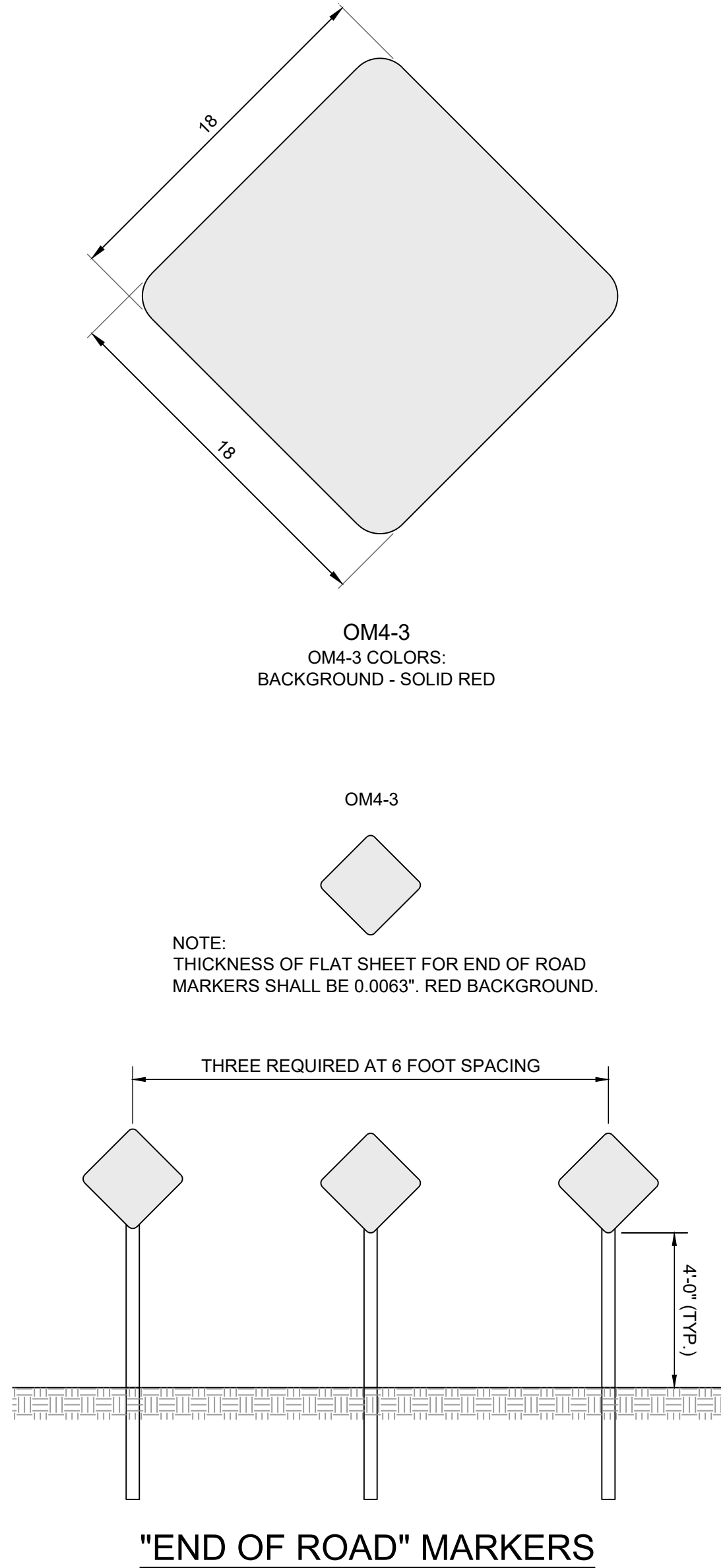
| Sign Designation | Sign Size | Sign Area (Sq. Ft.) | Number | Quantity (Sq. Ft.) |
|------------------|-----------|---------------------|--------|--------------------|
| D3-1 (SP-1)      | 6' x 48"  | 3.00                | 2      | 6.00               |
| D3-1 (SP-2)      | 6' x 30"  | 1.88                | 2      | 3.76               |
| D3-1 (SP-3)      | 6' x 48"  | 3.00                | 2      | 6.00               |
| D3-1 (SP-4)      | 6' x 30"  | 1.88                | 2      | 3.76               |
| D3-1 (SP-5)      | 6' x 42"  | 2.63                | 2      | 5.26               |

|                     |               |
|---------------------|---------------|
| SE Shenandoah DR    | SE 5 TH TER   |
| D3-1 (SP-1)         | D3-1 (SP-4)   |
| SE Wood LN          | SE Corinne DR |
| D3-1 (SP-2)         | D3-1 (SP-5)   |
| SE Highland Park DR |               |
| D3-1 (SP-3)         |               |

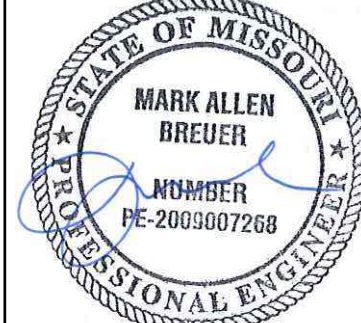
RELEASED FOR CONSTRUCTION  
As Noted on Plan Review

Development Services Department  
Lee's Summit, Missouri

07/13/2023



PREPARED BY:



06.27.2023

SCHLAGEL & ASSOCIATES, P.A.

REUNION AT BLACKWELL  
PUBLIC STREET AND STORM SEWER PLANS

SE SHENANDOAH DRIVE LEE'S SUMMIT, MO

| REVISION | DATE       | DESCRIPTION       |
|----------|------------|-------------------|
| 1        | 05/05/2023 | PER CITY COMMENTS |
| 2        | 06/02/2023 | PER CITY COMMENTS |
| 3        | 06/27/2023 | PER CITY COMMENTS |
| 4        |            |                   |
| 5        |            |                   |
| 6        |            |                   |
| 7        |            |                   |
| 8        |            |                   |
| 9        |            |                   |
| 10       |            |                   |

|               |                 |                           |                      |
|---------------|-----------------|---------------------------|----------------------|
| DRAWN BY: TRC | CHECKED BY: MAB | DATE PREPARED: 03/03/2023 | PROJ. NUMBER: 22-597 |
|---------------|-----------------|---------------------------|----------------------|

STREET SIGN  
DETAILS

SHEET

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