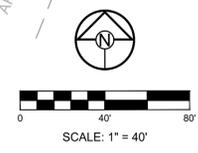
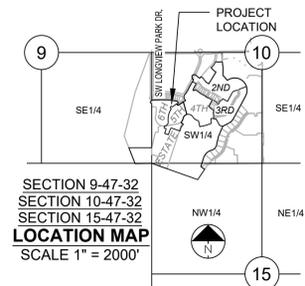




- PROPOSED DRAINAGE
- EXISTING DRAINAGE
- FUTURE DRAINAGE



NOTES:
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 THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING UTILITY LOCATIONS PRIOR TO EXCAVATION.

MISSOURI GEOGRAPHIC REFERENCE SYSTEM BENCHMARK:
 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

SURVEY NOTES
 The bases of bearing and coordinates are base on the Missouri Coordinate System of 1983, West Zone (2003 Adjustment) with a Grid Factor of 0.9999020.

**PERGOLA PARK 6TH PLAT
 STREET, STORMWATER, MASTER DRAINAGE
 PLAN
 --- LEE'S SUMMIT, MISSOURI**

REVISION DATE	DESCRIPTION
11-8-24	CITY COMMENTS
12-4-24	CITY COMMENTS

MASTER DRAINAGE PLAN - DRAINAGE MAP

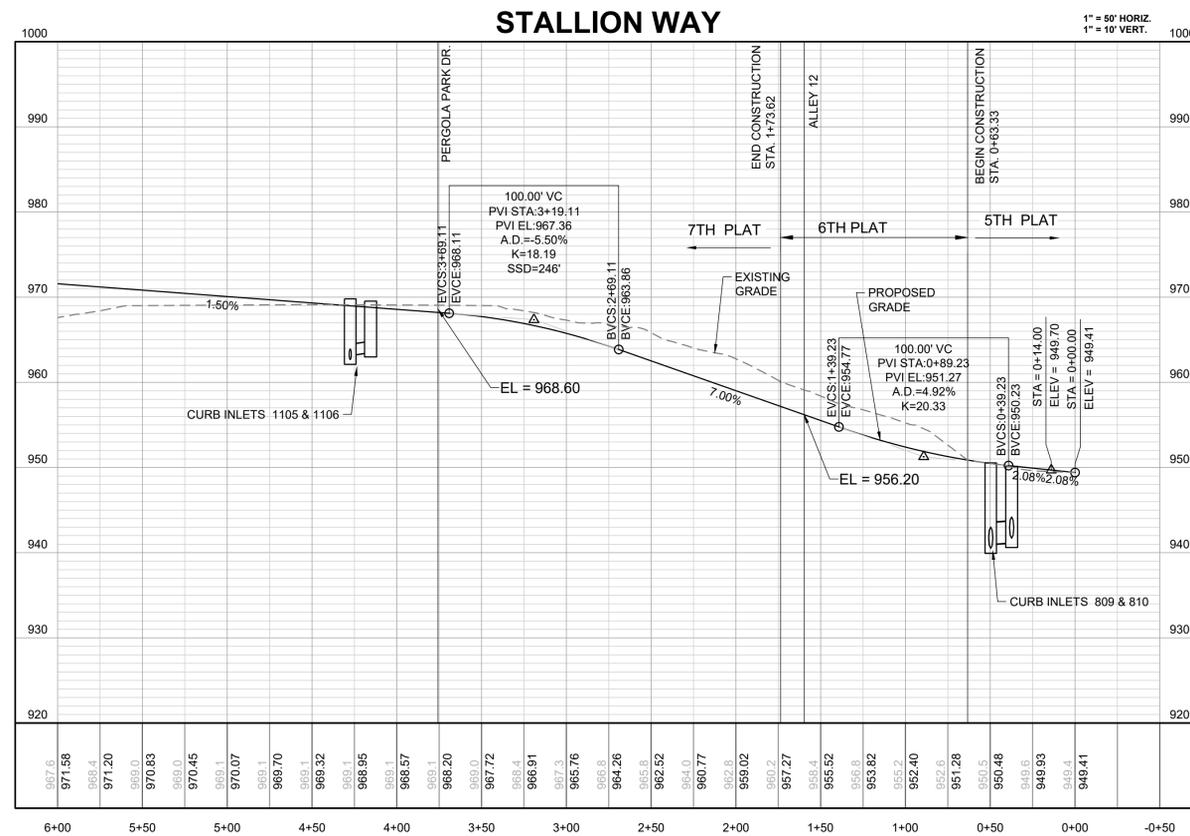
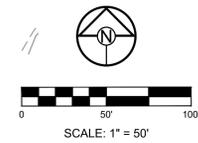
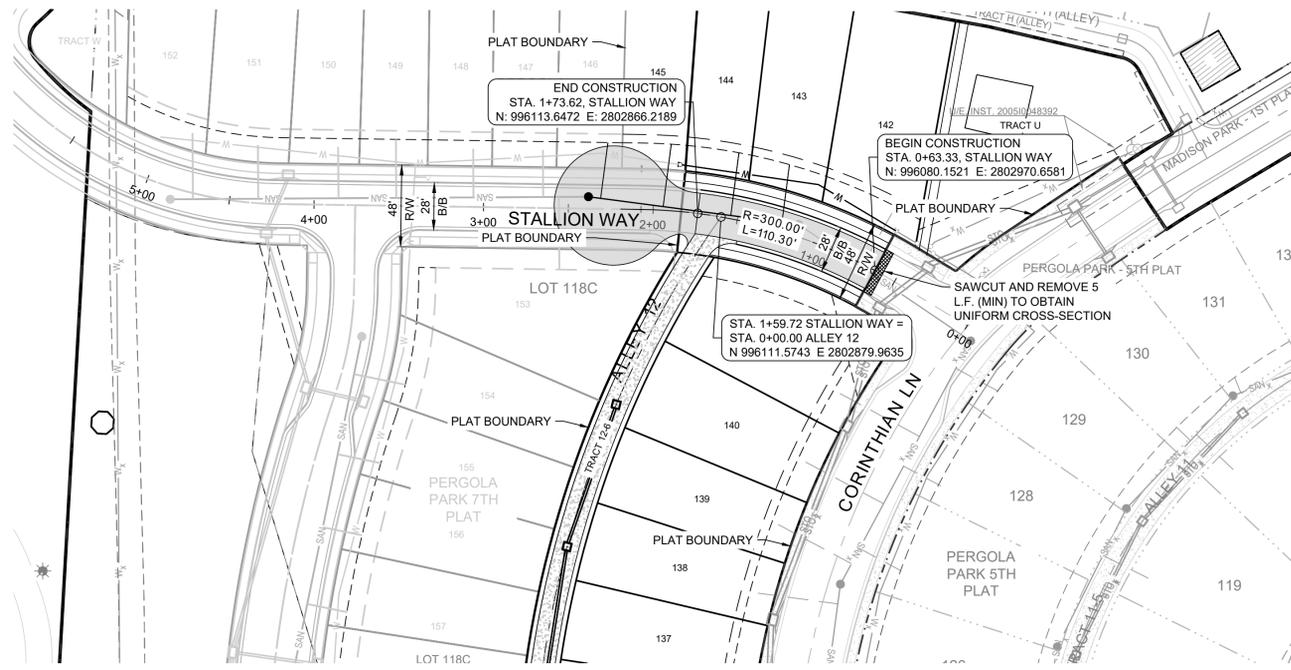
PREPARED BY:



SCHLAGEL & ASSOCIATES, P.A.

PERGOLA PARK 6TH PLAT
 STREET, STORMWATER, MASTER DRAINAGE
 PLAN
 ----- LEE'S SUMMIT, MISSOURI

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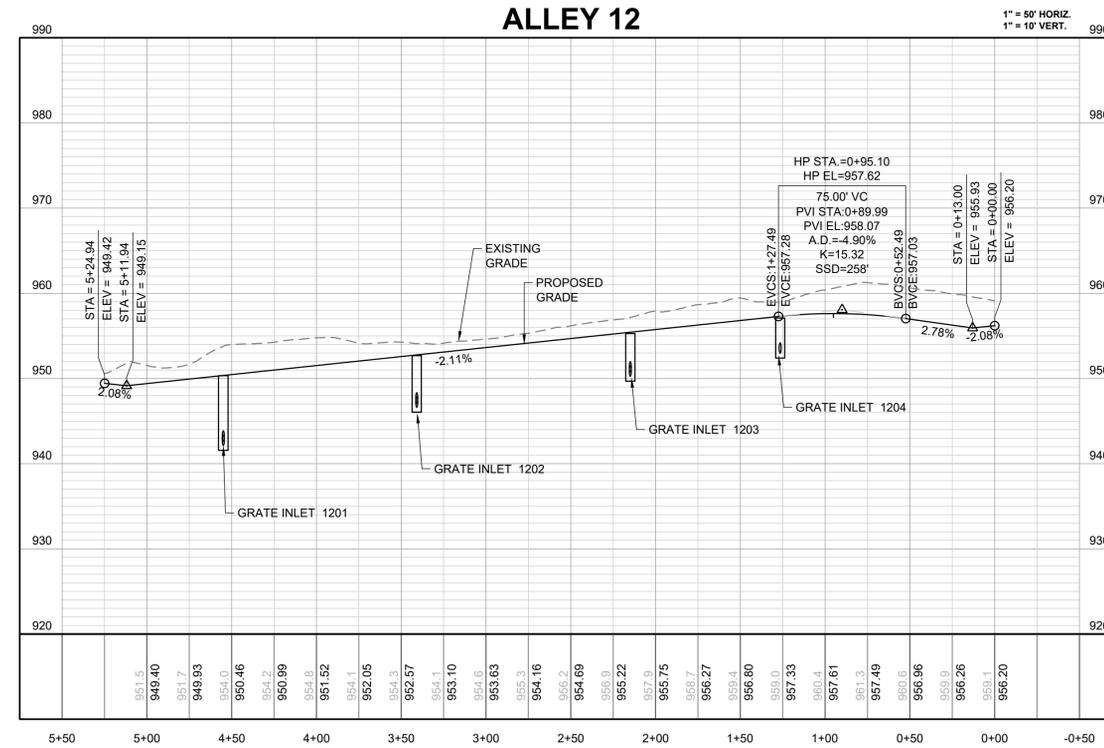
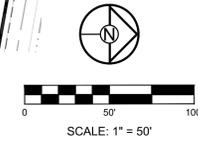


REVISION DATE	DESCRIPTION
11-8-24	CITY COMMENTS
12-4-24	CITY COMMENTS

DRAWN BY:	CHECKED BY:	DATE PREPARED:	PROJ. NUMBER:
BAL	MAB	8-19-24	24-041



NOTES:
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PREPARED BY:



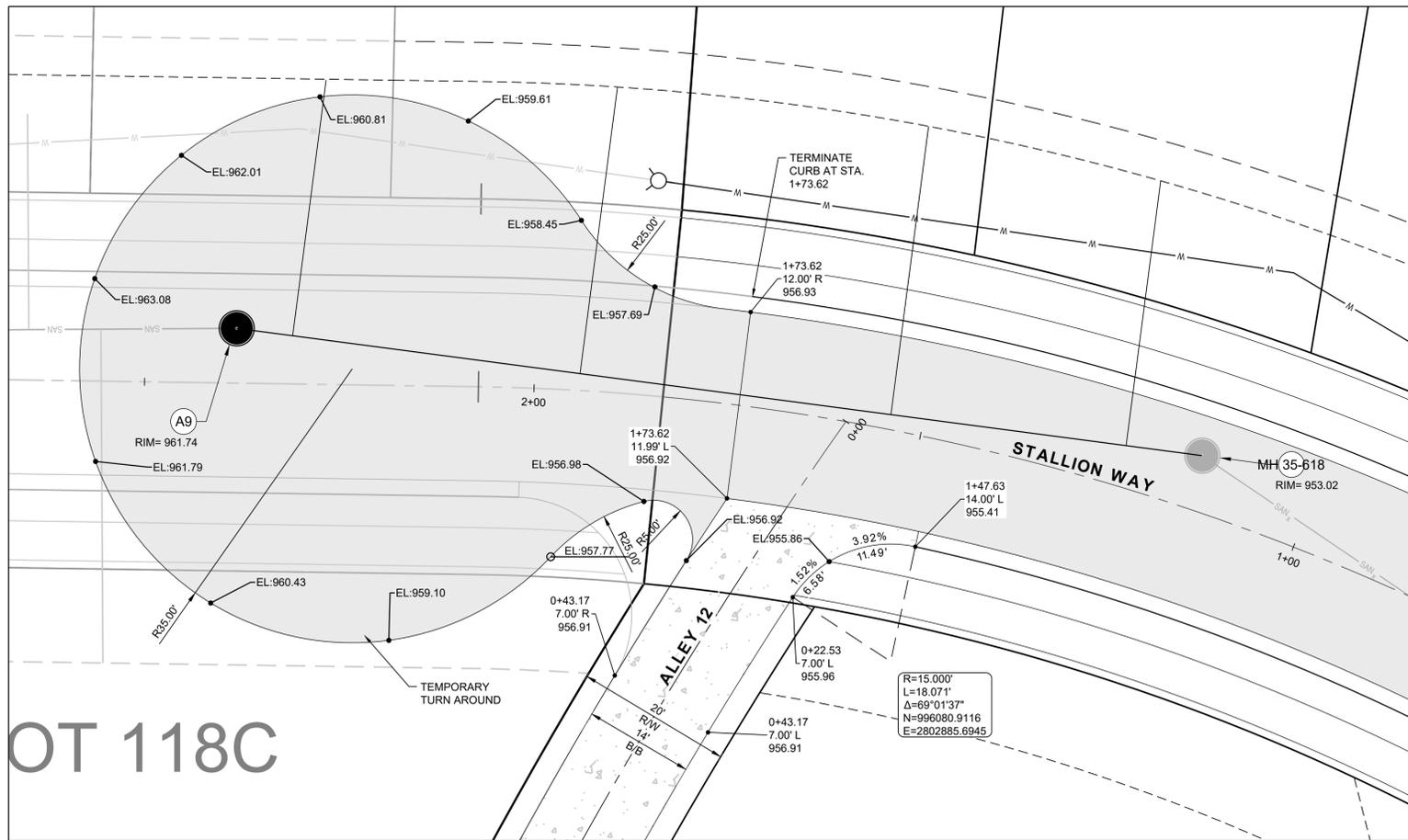
SCHLAGEL & ASSOCIATES, P.A.

PERGOLA PARK 6TH PLAT
 STREET, STORMWATER, MASTER DRAINAGE
 PLAN
 --- LEE'S SUMMIT, MISSOURI

REVISION DATE	DESCRIPTION
11-8-24	CITY COMMENTS
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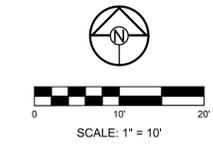
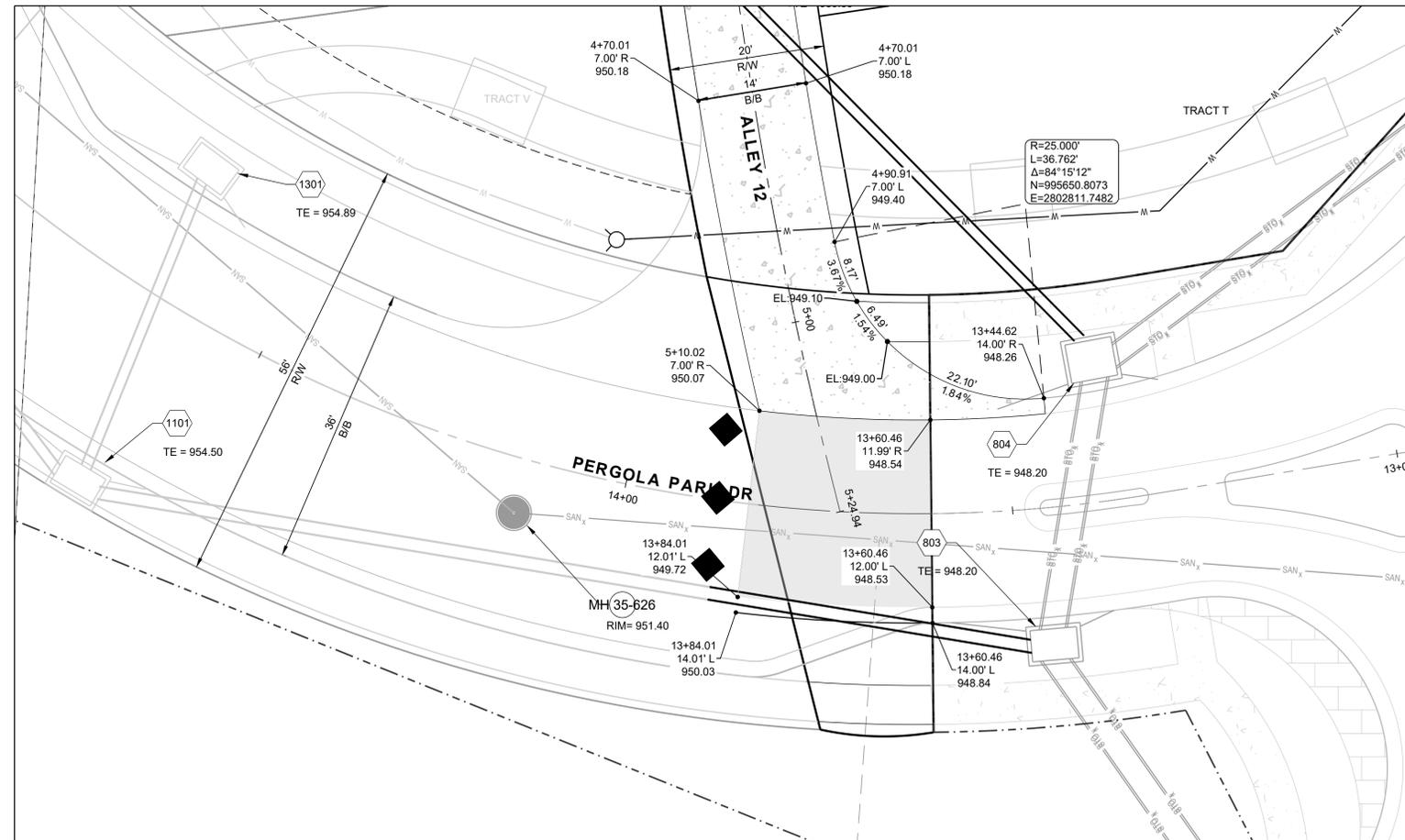
DRAWN BY:	BAL
CHECKED BY:	MAB
DATE PREPARED:	8-19-24
PROJ. NUMBER:	24-041

ALLEY 12 PLAN & PROFILE



CURB LEGEND

	TYPE "CG-2" CURB & GUTTER
	TYPE "CG-2" DRY CURB & GUTTER
	TYPE "CG-1" DRY CURB AND GUTTER
	TYPE C-1 CURB

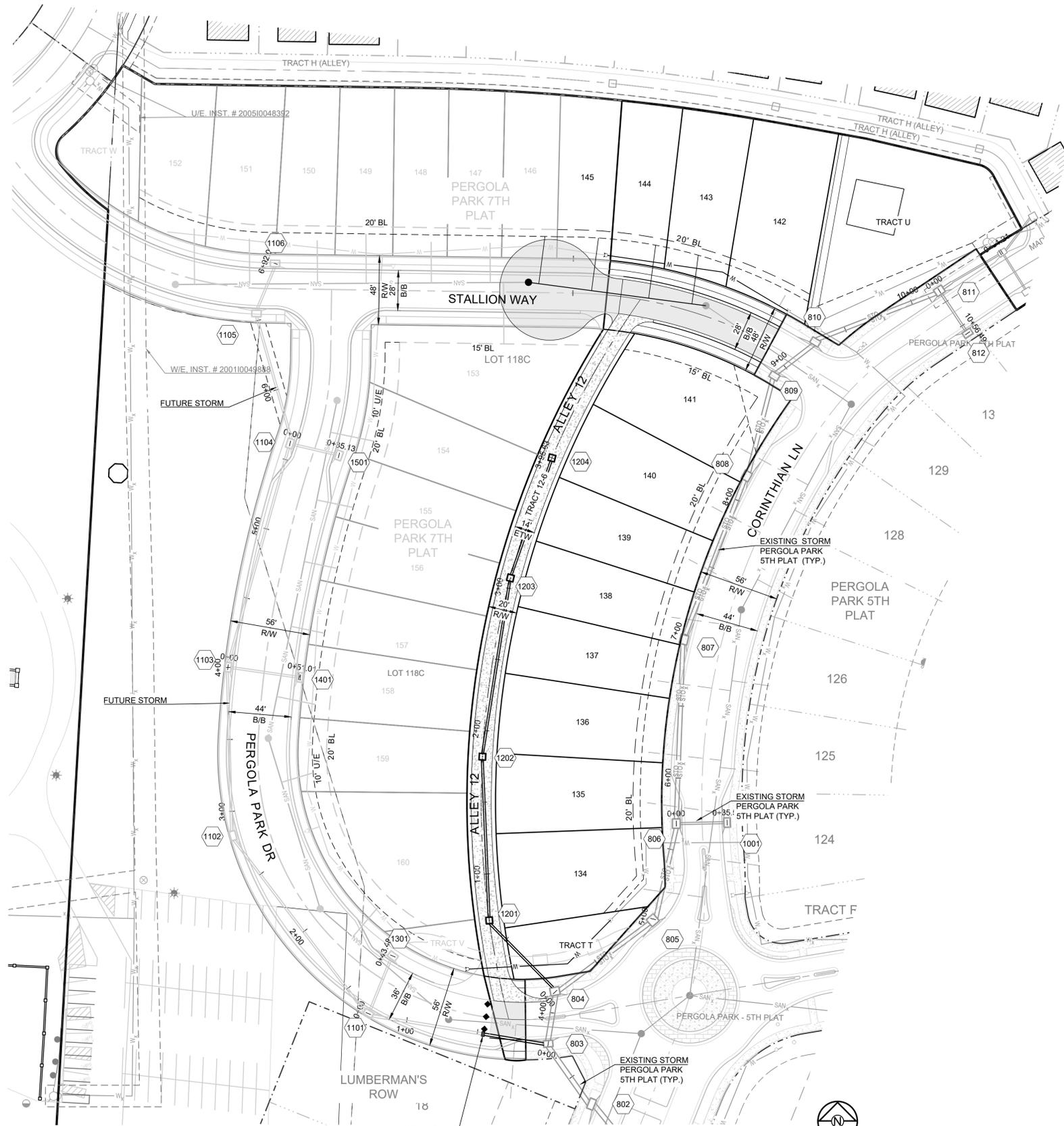


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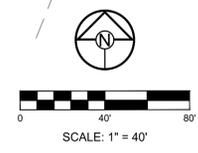
PERGOLA PARK 6TH PLAT
STREET, STORMWATER, MASTER DRAINAGE
PLAN
 --- LEE'S SUMMIT, MISSOURI

REVISION DATE	DESCRIPTION
11-8-24	CITY COMMENTS
12-4-24	CITY COMMENTS

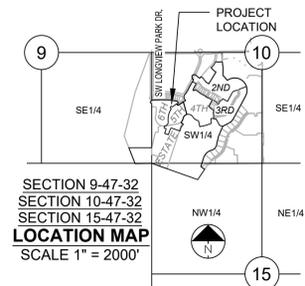
INTERSECTION DETAILS



INSTALL CONCRETE BULKHEAD AT STA. 0+45, LINE 1100 TO BE REMOVED IN NEXT PHASE



Storm Sewer Construction Notes	
Structure	Notes
1101	STA 1+27.32, LINE 1100 INSTALL 6 X 4 CURB INLET N 995615.3521 E 2802689.9285
1201	STA 0+67.70, LINE 1200 INSTALL 4 X 4 GRATE INLET N 995680.0587 E 2802774.3994
1202	STA 1+81.61, LINE 1200 INSTALL 4 X 4 GRATE INLET N 995793.6641 E 2802769.5907
1203	STA 3+07.33, LINE 1200 INSTALL 4 X 4 GRATE INLET N 995918.0470 E 2802789.1811
1204	STA 3+95.63, LINE 1200 INSTALL 4 X 4 GRATE INLET N 996001.4709 E 2802818.1187
1301	STA 0+43.48, LINE 1300 INSTALL 6 X 4 CURB INLET N 995655.3196 E 2802707.0432



MISSOURI GEOGRAPHIC REFERENCE SYSTEM BENCHMARK:

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:

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SURVEY NOTES
The bases of bearing and coordinates are base on the Missouri Coordinate System of 1983, West Zone (2003 Adjustment) with a Grid Factor of 0.9999020.

**PERGOLA PARK 6TH PLAT
STREET, STORMWATER, MASTER DRAINAGE
PLAN
----- LEE'S SUMMIT, MISSOURI**

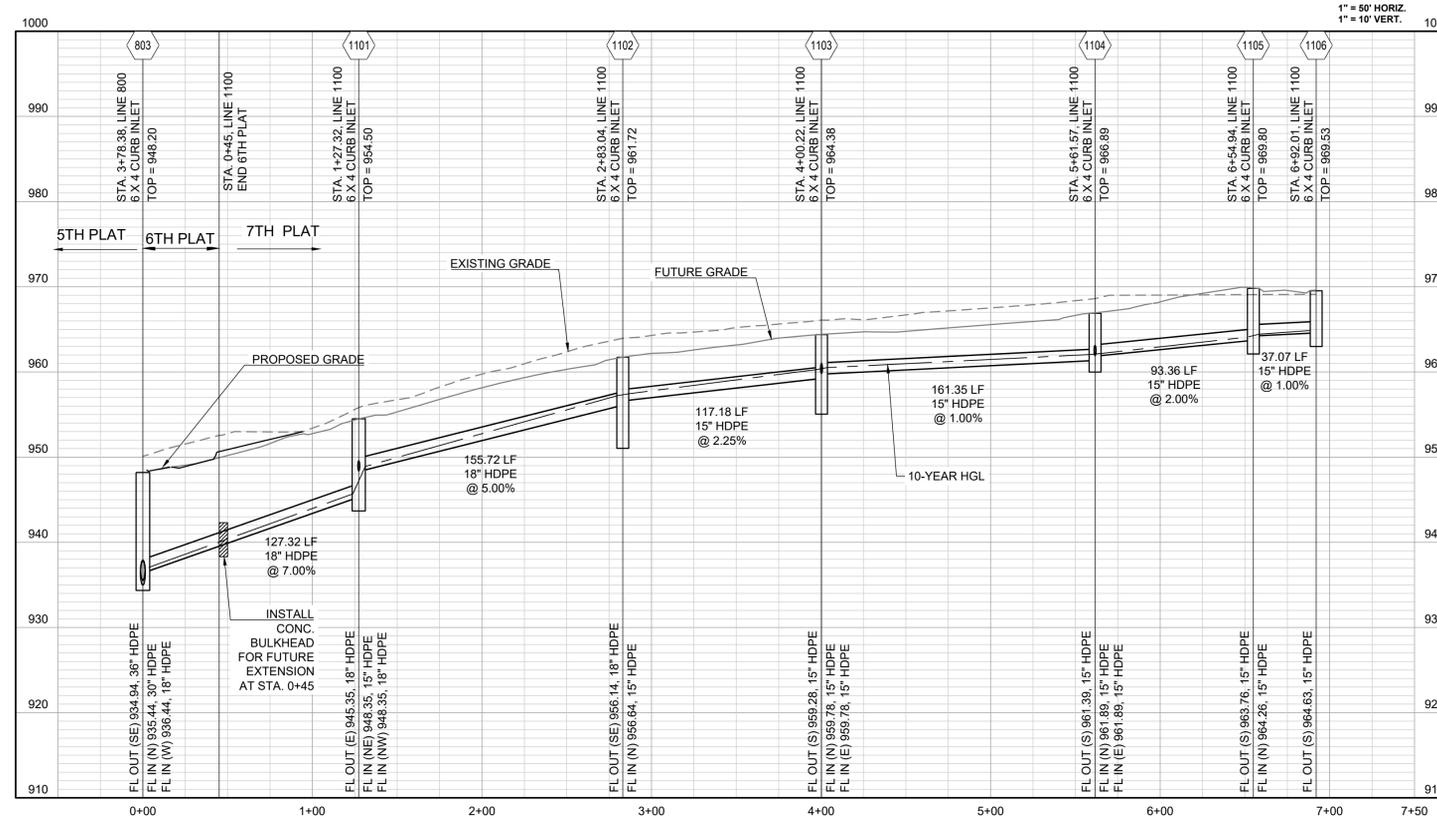
REVISION DATE	DESCRIPTION
11-8-24	CITY COMMENTS
12-4-24	CITY COMMENTS

DRAWN BY: BAL
CHECKED BY: MAB
DATE PREPARED: 8-19-24
PROJ. NUMBER: 24-041

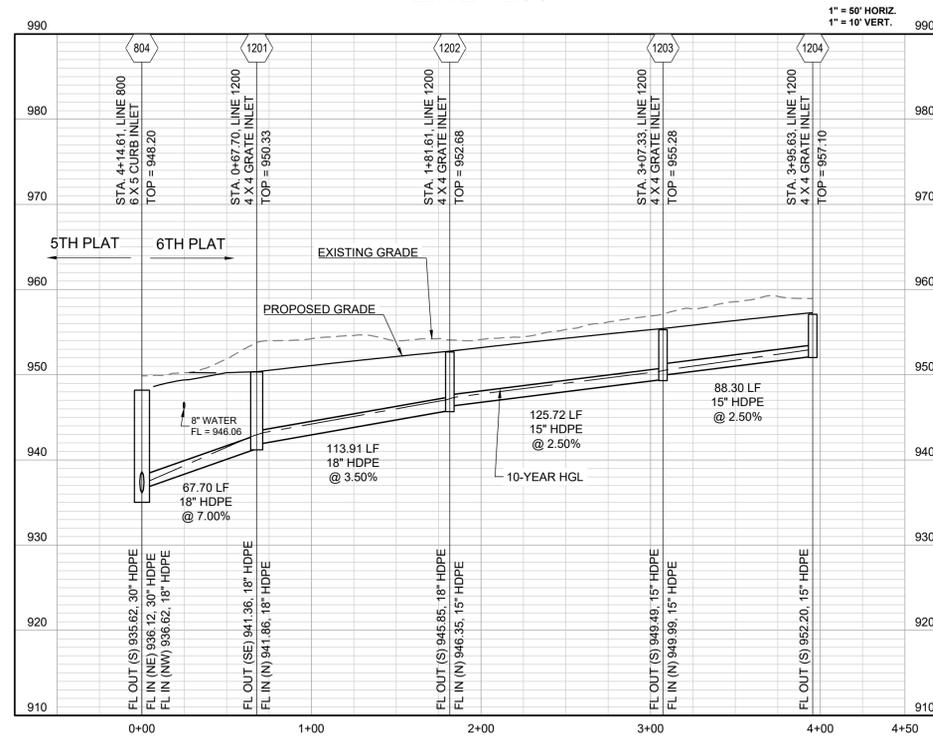
STORM PLAN

SHEET

LINE 1100



LINE 1200



PREPARED BY:



12.06.2024

SCHLAGEL & ASSOCIATES, P.A.

PERGOLA PARK 6TH PLAT
STREET, STORMWATER, MASTER DRAINAGE
PLAN

----- LEE'S SUMMIT, MISSOURI

REVISION DATE	DESCRIPTION
11-8-24	CITY COMMENTS
12-4-24	CITY COMMENTS

STORM PROFILES

PERGOLA PARK 6TH PLAT
 STREET, STORMWATER, MASTER DRAINAGE
 PLAN
 --- LEE'S SUMMIT, MISSOURI

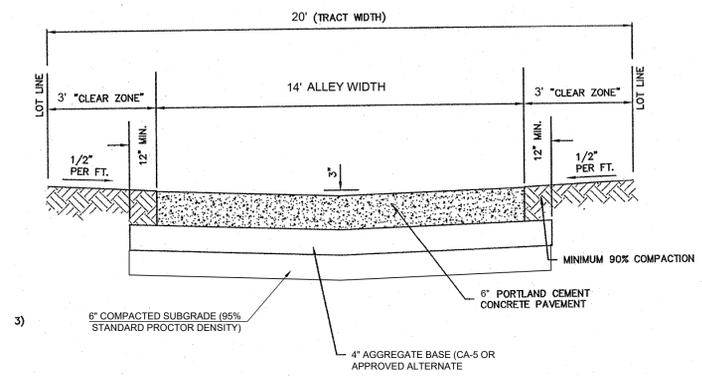
REVISION DATE	DESCRIPTION
11-8-24	CITY COMMENTS
12-4-24	CITY COMMENTS

DRAWN BY:	CHECKED BY:	DATE PREPARED:	PROJ. NUMBER:
BAL	MAB	8-19-24	24-041

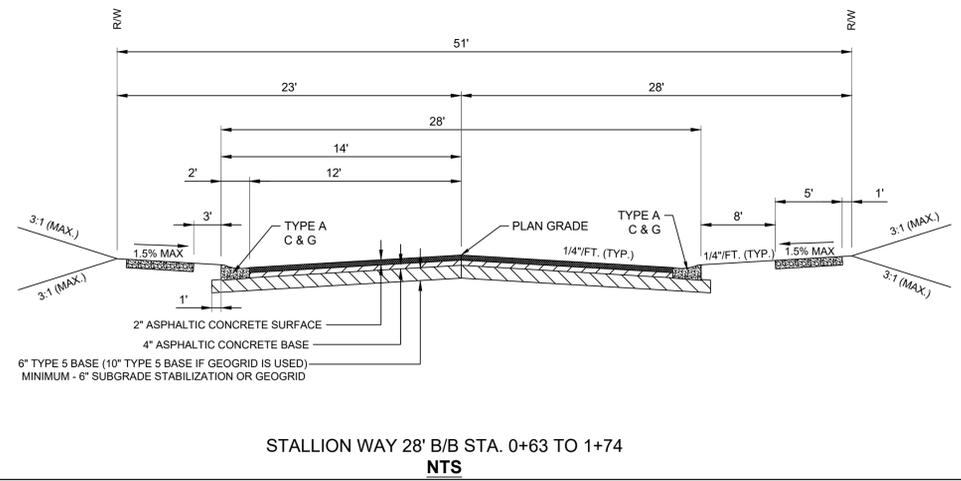
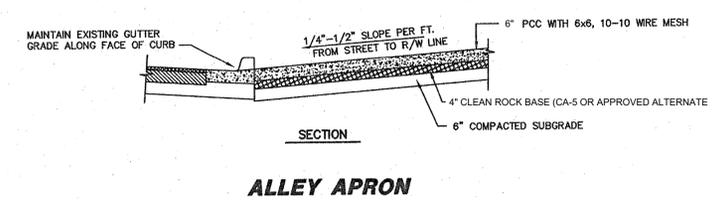
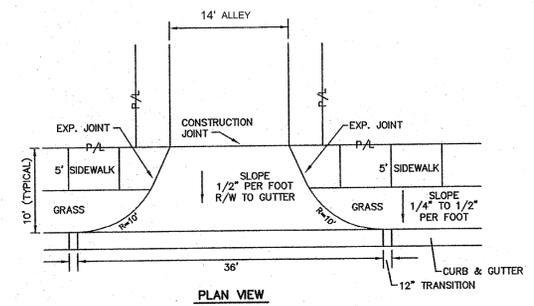
STREET DETAILS

SHEET

14



- TYPICAL ALLEY SECTION**
- NOTES**
1. COMPACTION JOINTS TO BE SAVED AT INTERVALS OF 20 FEET MAXIMUM. JOINTS SHALL BE FILLED WITH BITUMINOUS COMPOUND IMMEDIATELY FOLLOWING SAWING.
 2. DOWELED EXPANSION JOINTS SHALL BE LOCATED EVERY 100 FEET MAXIMUM.
 3. REINFORCE CONCRETE WITH 6x6x6 WOVEN WIRE MESH.
 4. USE ADDITIONAL REINFORCEMENT AROUND DRAINAGE STRUCTURES AS NECESSARY.



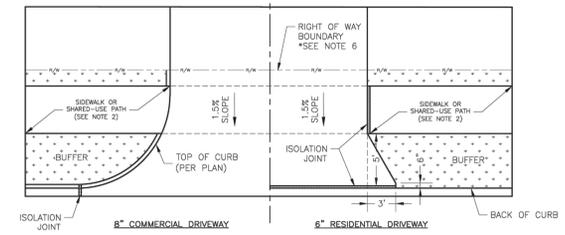
STALLION WAY 28' B/B STA. 0+63 TO 1+74
 NTS

LEE'S SUMMIT MISSOURI
 PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64083

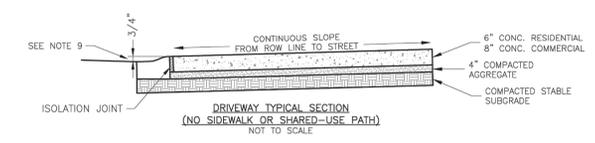
STANDARD DETAILS
 CITY OF LEE'S SUMMIT, MO
 LEE'S SUMMIT, JACKSON COUNTY, MO
 SHEET NUMBER

Checked By: MIF
 Date: 05/2024
 Proj. #: GEN-1

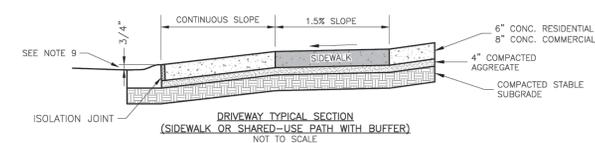
GEN-1



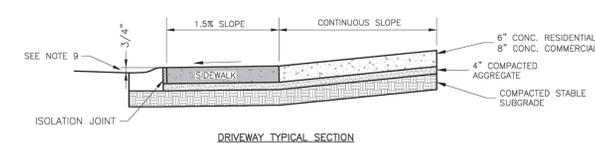
DRIVEWAY WITH BUFFER
 NOT TO SCALE



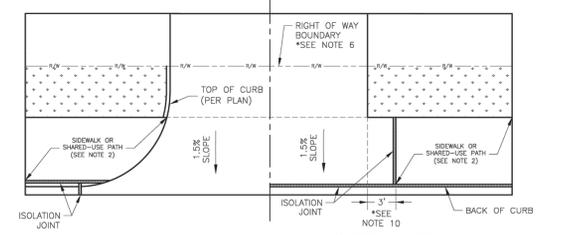
DRIVEWAY TYPICAL SECTION
 (NO SIDEWALK OR SHARED-USE PATH)
 NOT TO SCALE



DRIVEWAY TYPICAL SECTION
 (SIDEWALK OR SHARED-USE PATH WITH BUFFER)
 NOT TO SCALE

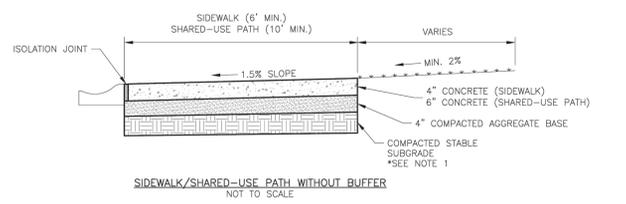


DRIVEWAY TYPICAL SECTION
 (SIDEWALK OR SHARED-USE PATH WITHOUT BUFFER)
 NOT TO SCALE

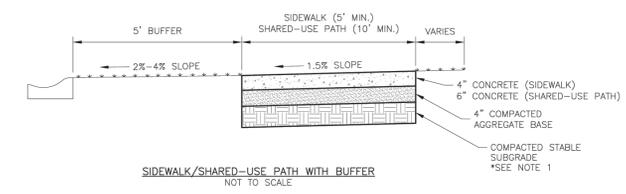


DRIVEWAY WITHOUT BUFFER
 NOT TO SCALE

- GENERAL NOTES**
1. SUBGRADE SHALL BE STABLE, COMPACTED EARTH AND SHALL BE OVERLAYED WITH 4" COMPACTED DENSE GRADED AGGREGATE BASE.
 2. ALL DRIVE APPROACHES SHALL MEET CURRENT PUBLIC RIGHT OF WAY ACCESSIBILITY GUIDELINES (PROWAG) FOR SLOPE REQUIREMENTS WHEN SIDEWALK IS REQUIRED (SEE ADA RAMP RETROFIT DETAIL GEN-3B, SIDEWALK/SHARED USE PATH RAMP AT DRIVEWAY DETAIL).
 3. JOINT AT BACK OF CURB LINE SHALL BE AN ISOLATION JOINT FOR RESIDENTIAL DRIVEWAYS.
 4. KCMBB 4K CONCRETE MIX IS REQUIRED FOR ALL CURBS.
 5. COMMERCIAL DRIVEWAYS, IN THE PUBLIC RIGHT OF WAY, SHALL BE KCMBB 4K CONCRETE MIX.
 6. RESIDENTIAL DRIVEWAYS, IN THE PUBLIC RIGHT OF WAY, KCMBB 4K CONCRETE MIX IS RECOMMENDED. OTHER CONCRETE MIXES NEED TO BE APPROVED BY CITY INSPECTOR.
 7. A JOINT MUST BE INSTALLED AT THE RIGHT OF WAY BOUNDARY FOR PROPERTY DELINEATION.
 8. WHITE CURING COMPOUND MUST BE APPLIED UNIFORMLY TO THE CONCRETE SURFACE IMMEDIATELY AFTER FINAL FINISHING.
 9. 3/4" FROM TOP OF CURB TO FLOWLINE AT DRIVEWAY (TYPE CG-1 CURB ONLY), MUST MAINTAIN ORIGINAL FLOWLINE OF CURB.
 10. SIDEWALK ADJOINING CURB SHALL BE 6" THICK, EXTENDING 3' FROM THE DRIVEWAY.
 11. THE MAXIMUM WIDTH OF A RESIDENTIAL DRIVEWAY IS 36 FEET WITHIN THE RIGHT OF WAY.

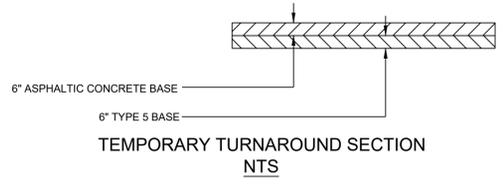


SIDEWALK/SHARED-USE PATH WITHOUT BUFFER
 NOT TO SCALE

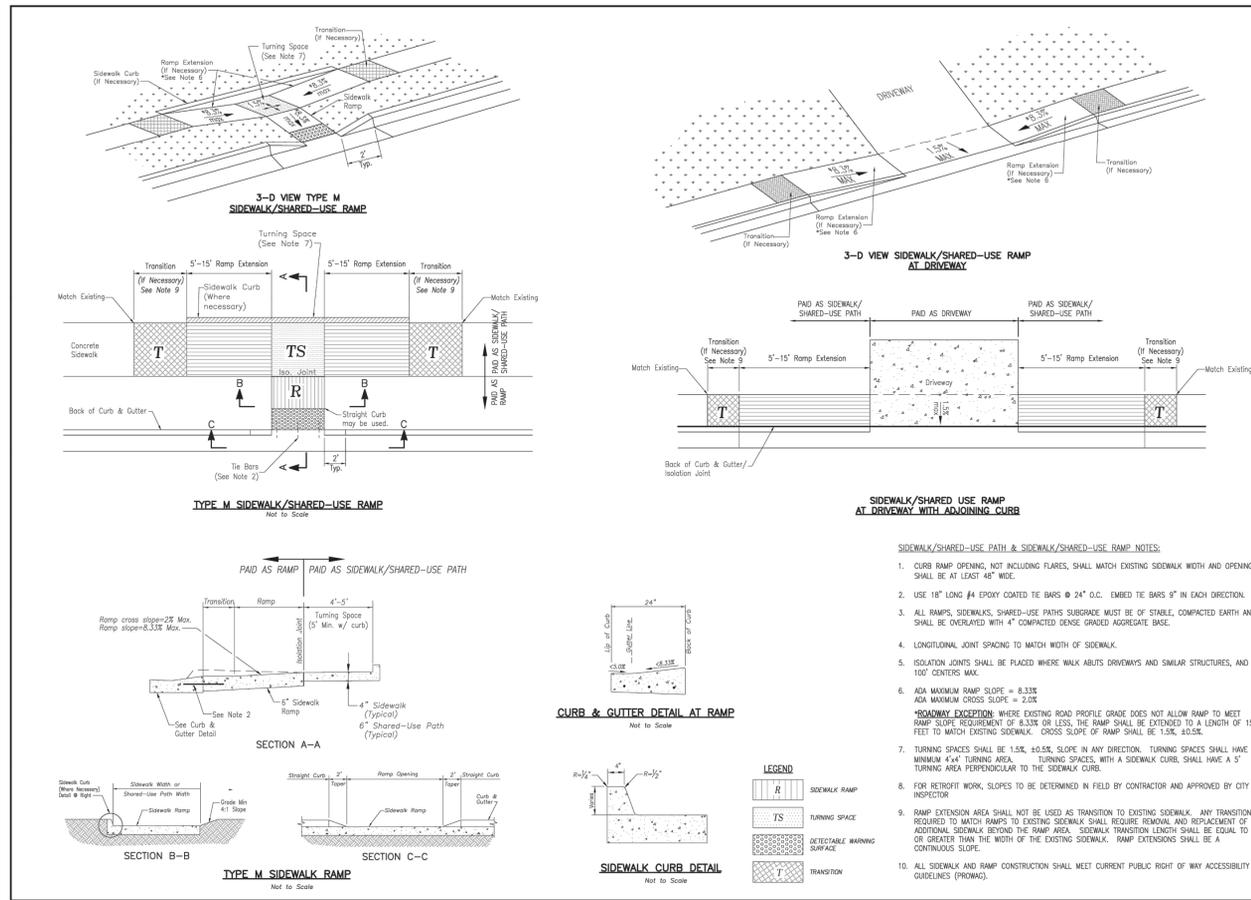


SIDEWALK/SHARED-USE PATH WITH BUFFER
 NOT TO SCALE

- GENERAL NOTES:**
1. SUBGRADE MUST BE OF STABLE, COMPACTED EARTH AND SHALL BE OVERLAYED WITH 4" COMPACTED DENSE GRADED AGGREGATE BASE.
 2. 1.5% CROSS SLOPE MUST BE MAINTAINED THROUGH DRIVEWAYS.
 3. KCMBB 4K CONCRETE MIX SHALL BE REQUIRED FOR ALL SIDEWALKS/SHARED-USE PATHS.
 4. ALL SIDEWALK/SHARED-USE PATHS SHALL MEET CURRENT PUBLIC RIGHT OF WAY ACCESSIBILITY GUIDELINES (PROWAG).
 5. AN ISOLATION JOINT SHALL BE PLACED AT A MAXIMUM OF 100 FT. CONSTRUCTION JOINTS SHALL BE PLACED THE SAME WIDTH OF SIDEWALK/SHARED-USE PATHS, BUT NO GREATER THAN 10 FT.
 6. AN ISOLATION JOINT SHALL BE PLACED WHERE THE SIDEWALK/SHARED-USE PATHS MEETS A RESIDENTIAL DRIVEWAY.
 7. SHARED-USE PATHS WIDTH SHALL BE 10 FT. WIDE.
 8. SIDEWALK/SHARED-USE PATHS FINISHING SHALL BE FULL BROOM FINISH OR AS DIRECTED BY CITY INSPECTOR.
 9. WHITE CURING COMPOUND MUST BE APPLIED UNIFORMLY TO THE CONCRETE SURFACE IMMEDIATELY AFTER FINAL FINISHING.



TEMPORARY TURNAROUND SECTION
 NTS



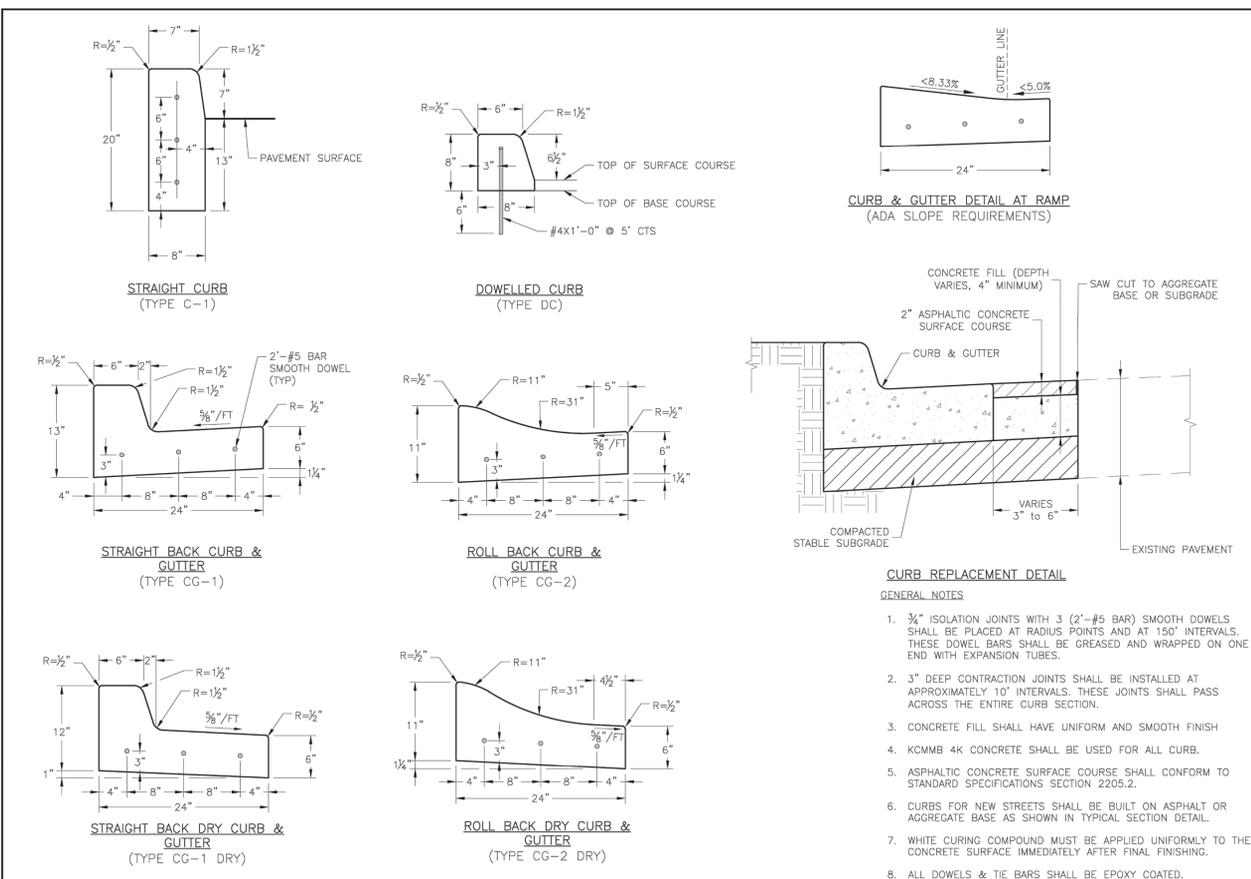
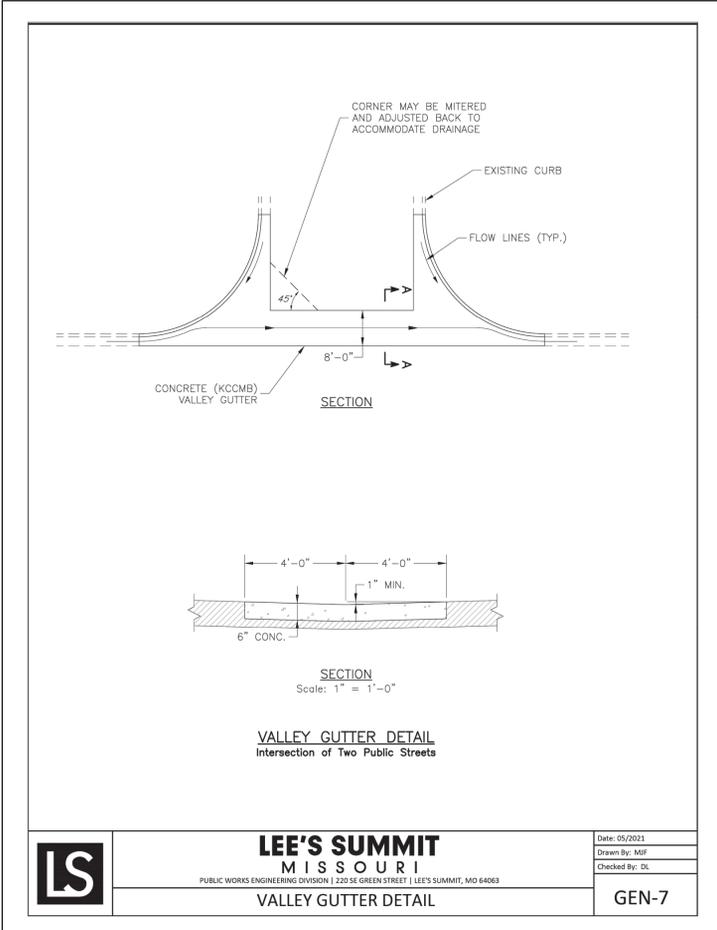
- SIDEWALK/SHARED-USE PATH & SIDEWALK/SHARED-USE RAMP NOTES:**
- CURB RAMP OPENING, NOT INCLUDING FLARES, SHALL MATCH EXISTING SIDEWALK WIDTH AND OPENING SHALL BE AT LEAST 4" WIDE.
 - USE 18" LONG #4 EPOXY COATED BARS @ 24" O.C. EMBED THE BARS 9" IN EACH DIRECTION.
 - ALL RAMPS, SIDEWALKS, SHARED-USE PATHS SUBGRADE MUST BE OF STABLE, COMPACTED EARTH AND SHALL BE COVERED WITH 4" COMPACTED GRADE OR GRANULAR BASE.
 - LONGITUDINAL JOINT SPACING TO MATCH WIDTH OF SIDEWALK.
 - ISOLATION JOINTS SHALL BE PLACED WHERE WALK ABUTS DRIVEWAYS AND SIMILAR STRUCTURES, AND 150' CENTER TO CENTER.
 - ADA MAXIMUM RAMP SLOPE = 8.33%
ADA MAXIMUM CROSS SLOPE = 2.0%
 - *ROADWAY EXCEPTION:** WHERE EXISTING ROAD PROFILE GRADE DOES NOT ALLOW RAMP TO MEET RAMP SLOPE REQUIREMENT OF 8.33% OR LESS, THE RAMP SHALL BE EXTENDED TO A LENGTH OF 15 FEET TO MATCH EXISTING SIDEWALK. CROSS SLOPE OF RAMP SHALL BE 1.5%, 4.0%, 5.0%.
 - TURNING SPACES SHALL BE 1.5%, 4.0%, 5.0% SLOPE IN ANY DIRECTION. TURNING SPACES SHALL HAVE A MINIMUM 4'x4' TURNING AREA. TURNING SPACES WITH A SIDEWALK CURB SHALL HAVE A 5' TURNING AREA PERPENDICULAR TO THE SIDEWALK CURB.
 - FOR RETROFIT WORK, SLOPES TO BE DETERMINED IN FIELD BY CONTRACTOR AND APPROVED BY CITY INSPECTOR.
 - RAMP EXTENSION AREA SHALL NOT BE USED AS TRANSITION TO EXISTING SIDEWALK. ANY TRANSITIONS REQUIRED TO MATCH RAMPS TO EXISTING SIDEWALK SHALL REQUIRE REMOVAL AND REPLACEMENT OF ADJACENT SIDEWALK BEYOND THE RAMP AREA. SIDEWALK TRANSITION LENGTH SHALL BE EQUAL TO OR GREATER THAN THE WIDTH OF THE EXISTING SIDEWALK. RAMP EXTENSIONS SHALL BE A CONTINUOUS SLOPE.
 - ALL SIDEWALK AND RAMP CONSTRUCTION SHALL MEET CURRENT PUBLIC RIGHT OF WAY ACCESSIBILITY GUIDELINES (PROWAG).

LEE'S SUMMIT MISSOURI

STANDARD DETAILS
CITY OF LEE'S SUMMIT, MO
LEE'S SUMMIT, JACKSON COUNTY, MO

Project: ADA RAMP RETROFIT DETAIL

Drawn By: MAF
Checked By: DL
Date: 05/2021
Proj. #: GEN-3B



LEE'S SUMMIT MISSOURI

STANDARD DETAILS
CITY OF LEE'S SUMMIT, MO
LEE'S SUMMIT, JACKSON COUNTY, MO

Project: CURB & GUTTER DETAIL

Drawn By: MAF
Checked By: DL
Date: 05/2021
Proj. #: GEN-4

