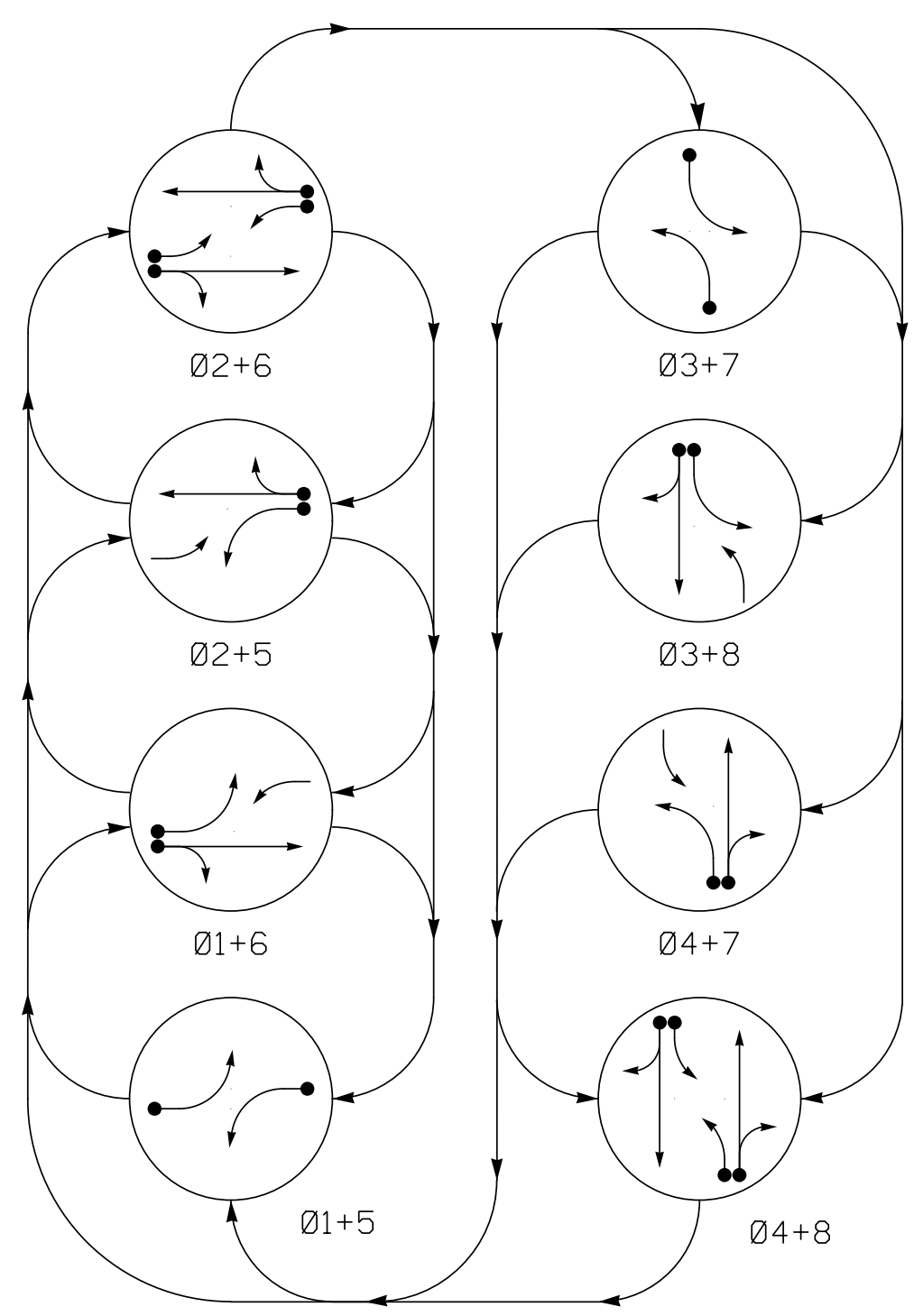
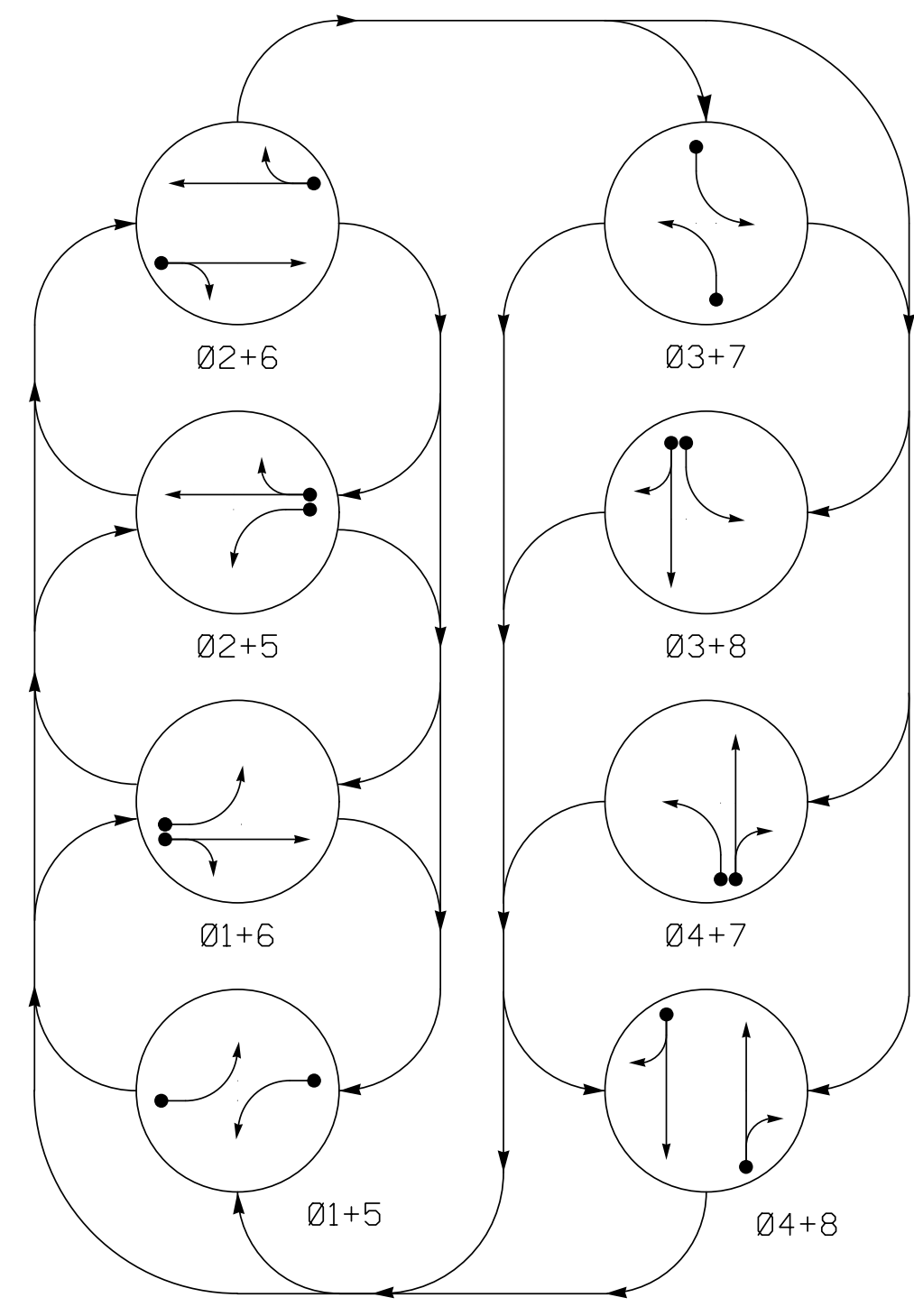


DEFAULT PHASING DIAGRAM



ALTERNATE PHASING DIAGRAM

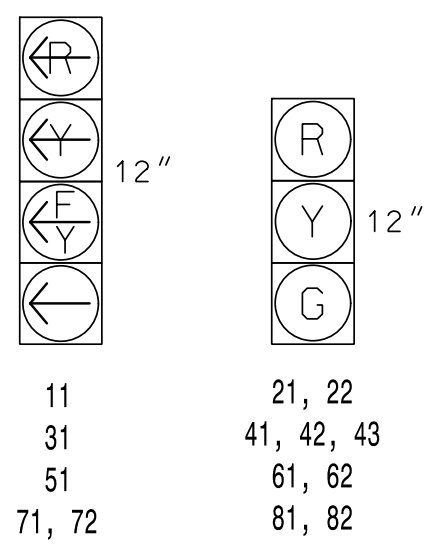


PHASING DIAGRAM DETECTION LEGEND

- DETECTED MOVEMENT
UNDETECTED MOVEMENT (OVERLAP)
UNSIGNALIZED MOVEMENT
PEDESTRIAN MOVEMENT

SIGNAL FACE I.D.

All Heads L.E.D.



DEFAULT PHASING TABLE OF OPERATION

Table with columns: SIGNAL FACE, PHASE (Ø1-Ø8, F, H, O, D, L, F), and rows for signal faces 11, 21, 22, 31, 41, 42, 43, 51, 61, 62, 71, 72, 81, 82.

ALTERNATE PHASING TABLE OF OPERATION

Table with columns: SIGNAL FACE, PHASE (Ø1-Ø8, F, H, O, D, L, F), and rows for signal faces 11, 21, 22, 31, 41, 42, 43, 51, 61, 62, 71, 72, 81, 82.

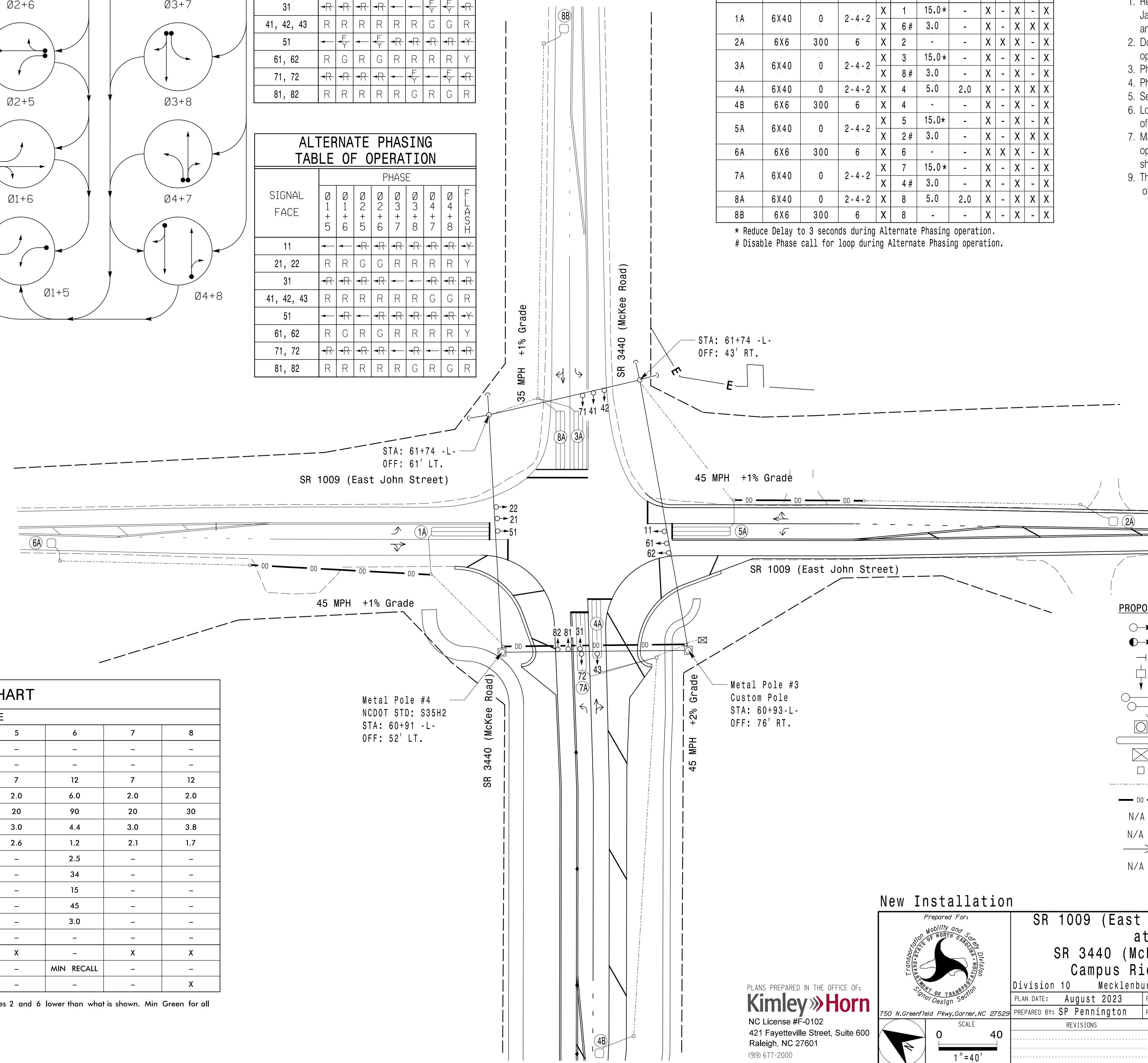
MAXTIME DETECTOR INSTALLATION CHART

Table with columns: LOOP, SIZE (FT), DISTANCE FROM STOPBAR (FT), TURNS, NEW LOOP, CALL PHASE, DELAY TIME, EXTEND TIME, EXTEND INITIAL, ADDED INITIAL, CALL, DELAY DURING GREEN, NEW CARD. Rows include 1A, 2A, 3A, 4A, 4B, 5A, 6A, 7A, 8A, 8B.

\* Reduce Delay to 3 seconds during Alternate Phasing operation.
# Disable Phase call for loop during Alternate Phasing operation.

8 Phase Fully Actuated w/ Alternate Phasing Signal System #11005

- NOTES
1. Refer to "Roadway Standard Drawings NCDOT" dated January 2024...
2. Do not program signal for late night flashing operation...
3. Phase 1 and/or phase 5 may be lagged.
4. Phase 3 and/or phase 7 may be lagged.
5. Set all detector units to presence mode.
6. Locate new cabinet so as not to obstruct sight distance...
7. Maximum times shown in timing chart are for free-run operation only...
8. The Division Traffic Engineer will determine the hours of use for each phasing plan.



MAXTIME TIMING CHART table with columns: FEATURE, PHASE (1-8), and rows for various timing features like Walk, Ped Clear, Min Green, Passage, Max I, Yellow Change, Red Clear, Added Initial, Maximum Initial, Time Before Reduction, Time To Reduce, Minimum Gap, Advance Walk, Non Lock Detector, Vehicle Recall, Dual Entry.

\* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

LEGEND table with columns: PROPOSED, EXISTING, and rows for various symbols like Traffic Signal Head, Modified Signal Head, Sign, Pedestrian Signal Head, Signal Pole with Guy, Metal Strain Pole, Inductive Loop Detector, Controller & Cabinet, Junction Box, 2-in Underground Conduit, Directional Drill, Right of Way, Temporary Easement, Directional Arrow, Curb Ramp.

New Installation

Professional seal and logo for Kimley-Horn, Inc., including address and contact information.

Project information including location (SR 1009 at SR 3440), date (August 2023), and preparer (SP Pennington).

Professional seal and signature block for the engineer, including date (4/29/2024) and inventory number (10-2352).

Vertical text on the left margin: 4/25/2024 7:40:34 AM Capri Teliga, P. Ferrero K:\MCHL\_PRR\101036426 - McKee Rd EXH15 Signal WS4 - Signal Design\WT.0 10-2352\_2023.dgn