PLAN PREPARATION <u>SWS</u>
DESIGNER CS

SIGNING AND PAVEMENT MARKING PLANS FOR

S. MAIN STREET BICYCLE FACILITY DESIGN

TPD JOB # COHV.00003

CITY OF HENDERSONVILLE HENDERSON COUNTY, NORTH CAROLINA

GENERAL NOTES

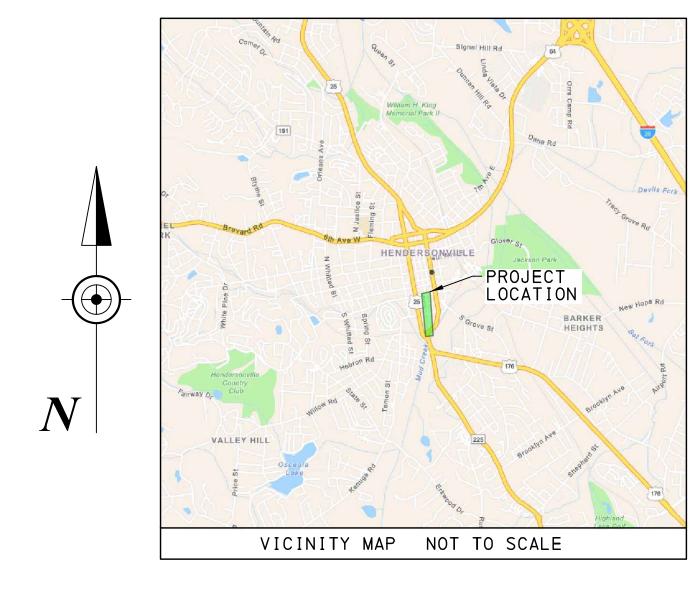
THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER.

1. INSTALL PAVEMENT MARKINGS AS FOLLOWS: ROAD NAME

MARKING THERMOPLASTIC

ALL ROADS WITHIN PROJECT LIMITS

- 2. TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- 3. REMOVE EXISTING PAVEMENT MARKINGS NOT SHOWN ON THE PLANS AND ANY PAVEMENT MARKINGS THAT CONFLICT WITH THE PROPOSED MARKINGS
- 4. REPLACE ANY DAMAGED PAVEMENT MARKINGS AND MARKERS.
- 5. STOP BAR LOCATIONS AT NON-SIGNALIZED INTERSECTIONS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.
- 6. UNLESS OTHERWISE SPECIFIED, HEATED IN-PLACE THERMOPLASTIC MAY BE USED IN LIEU OF EXTRUDED THERMOPLASTIC FOR ARROWS, STOP BARS, SYMBOLS, CHARACTERS, AND DIAGONALS. IF HEATED-IN-PLACE IS USED, IT SHALL BE PAID FOR USING THE EXTRUDED THERMOPLASTIC PAY ITEM.
- 7. ALL PROPOSED SIGNS TO BE FIELD LOCATED WITH CITY STAFF IN ORDER TO ADEQUATELY ADDRESS OVERLAPPING SIGNS, SIGHT DISTANCE FOR SIGNS, AND ANY EXISTING TRAFFIC CONTROL SIGNS THAT MAY BE CONFLICTING.
- 8. SIGN PLACEMENT AND HEIGHT SHOULD FOLLOW GUIDANCE FROM MUTCD. IN ADDITION, SIGN PLACEMENT SHOULD TAKE PEDESTRIAN ACCESS ROUTE INTO CONSIDERATION TO ENSURE ACCESSIBILITY WITHIN THE SIDEWALK.
- 9. ALL SURVEY ITEMS SHOWN ON THESE PLANS HAVE BEEN LOCATED FROM AERIAL IMAGERY AND A FIELD VISIT.
- 10. THESE PLANS ARE BASED ON INFORMATION AVAILABLE AT THE TIME THEY WERE PREPARED. ACTUAL CONDITIONS DETERMINED LATER MAY VARY. SOUND JUDGMENT SHOULD BE EXERCISED DURING CONSTRUCTION TO ASSURE THAT THE DESIGN IS COMPATIBLE WITH THE ACTUAL CONDITIONS.
- 11. ANY SCALED DIMENSION FROM THIS PLAN SHALL NOT BE USED FOR CONSTRUCTION WITHOUT CONFIRMATION BY TRAFFIC PLANNING AND DESIGN. INC.. CONSULTING ENGINEERS.
- 12. INSTALL BREAKAWAY POSTS FOR ALL SIGNS.
- 13. INSTALL ALL PAVEMENT MARKINGS, SIGNS, AND SIGN POSTS IN ACCORDANCE WITH NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES, MUTCD, AND AASHTO GUIDE FOR THE DEVELOPMENT OF BICYCLE FACILITIES. THE LATEST EDITIONS OF ALL PUBLICATIONS MUST BE USED.
- 14. UTILITY COVERS LOCATED WITHIN THE BICYCLE LANES SHOULD BE REVIEWED TO ENSURE THEY ARE FLUSH.
- 15. MAINTENANCE AND PROTECTION OF TRAFFIC DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE MOST CURRENT REVISION OF THE MUTCD.



INDEX

TITLE AND STANDARD DRAWINGS SHEET 1

PAVEMENT MARKING & SIGNING PLAN SHEETS SHEET(S) 2-4

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ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEARING IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2024 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

NCDOT ROADWAY STANDARD DRAWINGS DATED JANUARY 2024

STD. NO. 904.30 SUPPLEMENTAL SIGN MOUNTING

STD. NO. 904.50

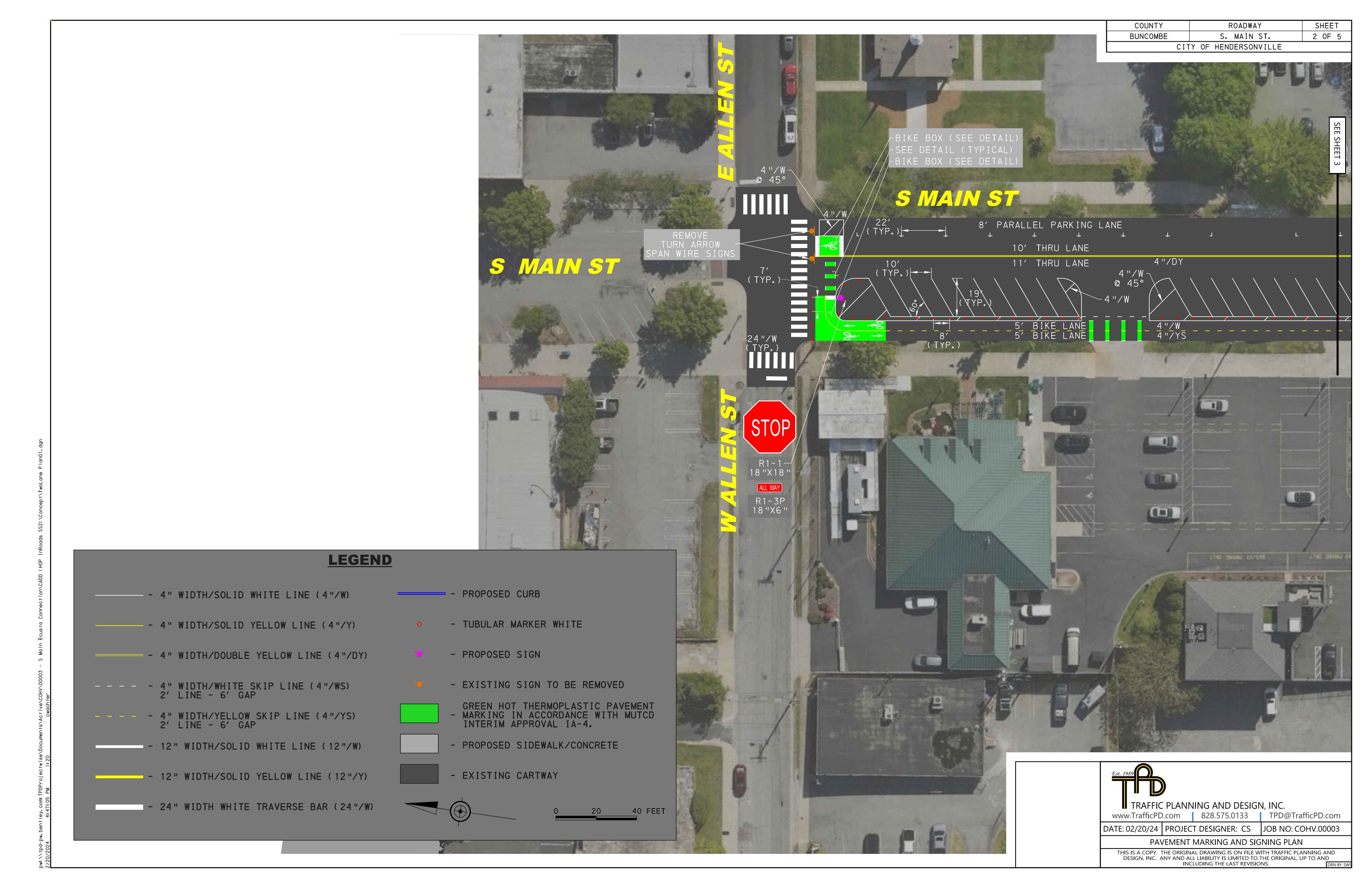
STD. NO. 1205.01 PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
STD. NO. 1205.02 PAVEMENT MARKINGS - TWO-LANE AND MULTI-LANE ROADWAYS
STD. NO. 1205.04 PAVEMENT MARKINGS - INTERSECTIONS
STD. NO. 1205.05 PAVEMENT MARKINGS - TURN LANES
STD. NO. 1205.07 PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
STD. NO. 1205.08 PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
STD. NO. 1205.09 PAVEMENT MARKINGS - PAINTED ISLANDS
STD. NO. 1205.16 PAVEMENT MARKINGS - BICYCLE FACILITIES
STD. NO. 904.10 ORIENTATION OF GROUND MOUNTED SIGNS
STD. NO. 904.20 SECONDARY SIGN MOUNTING

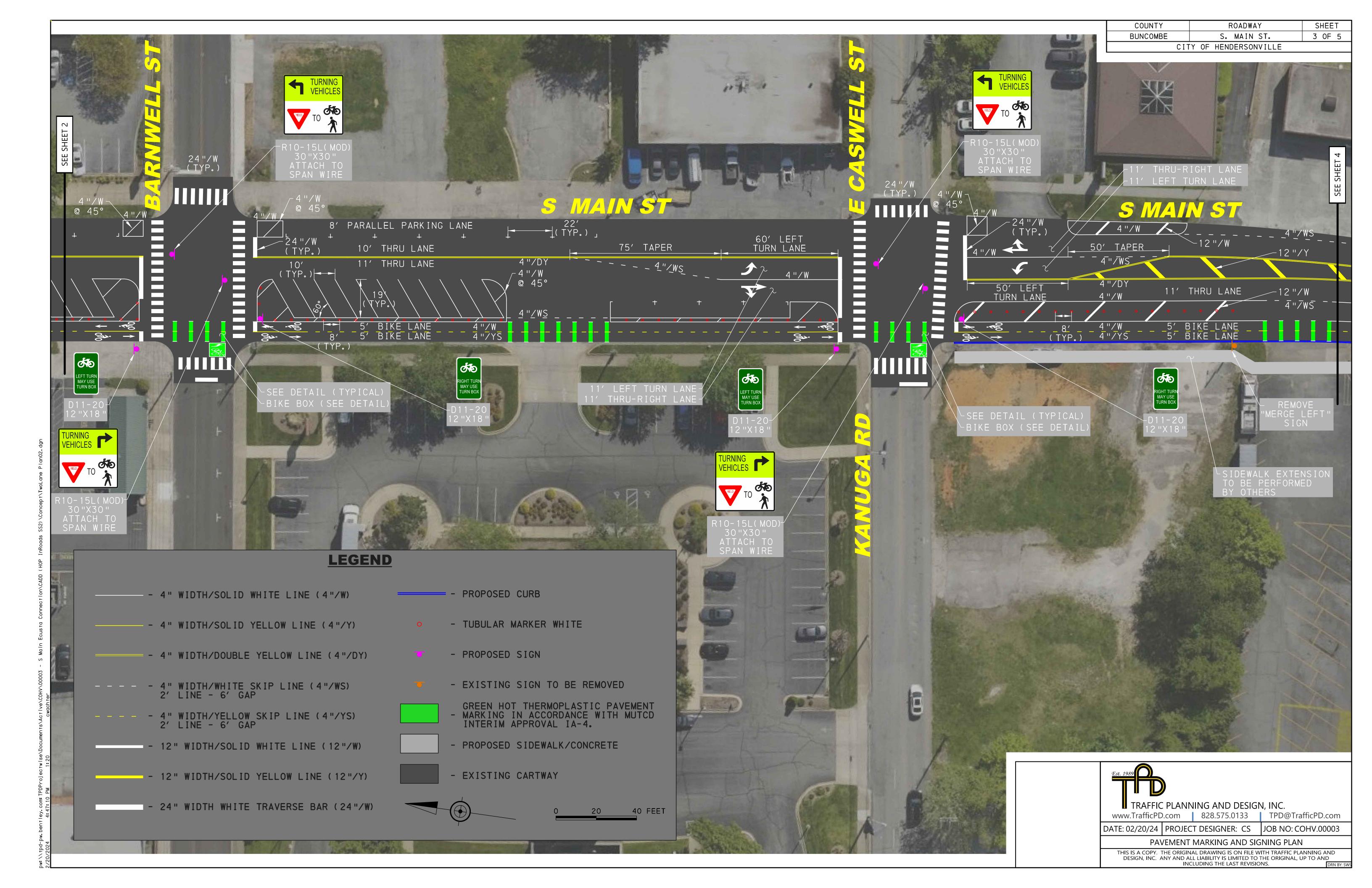
MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS

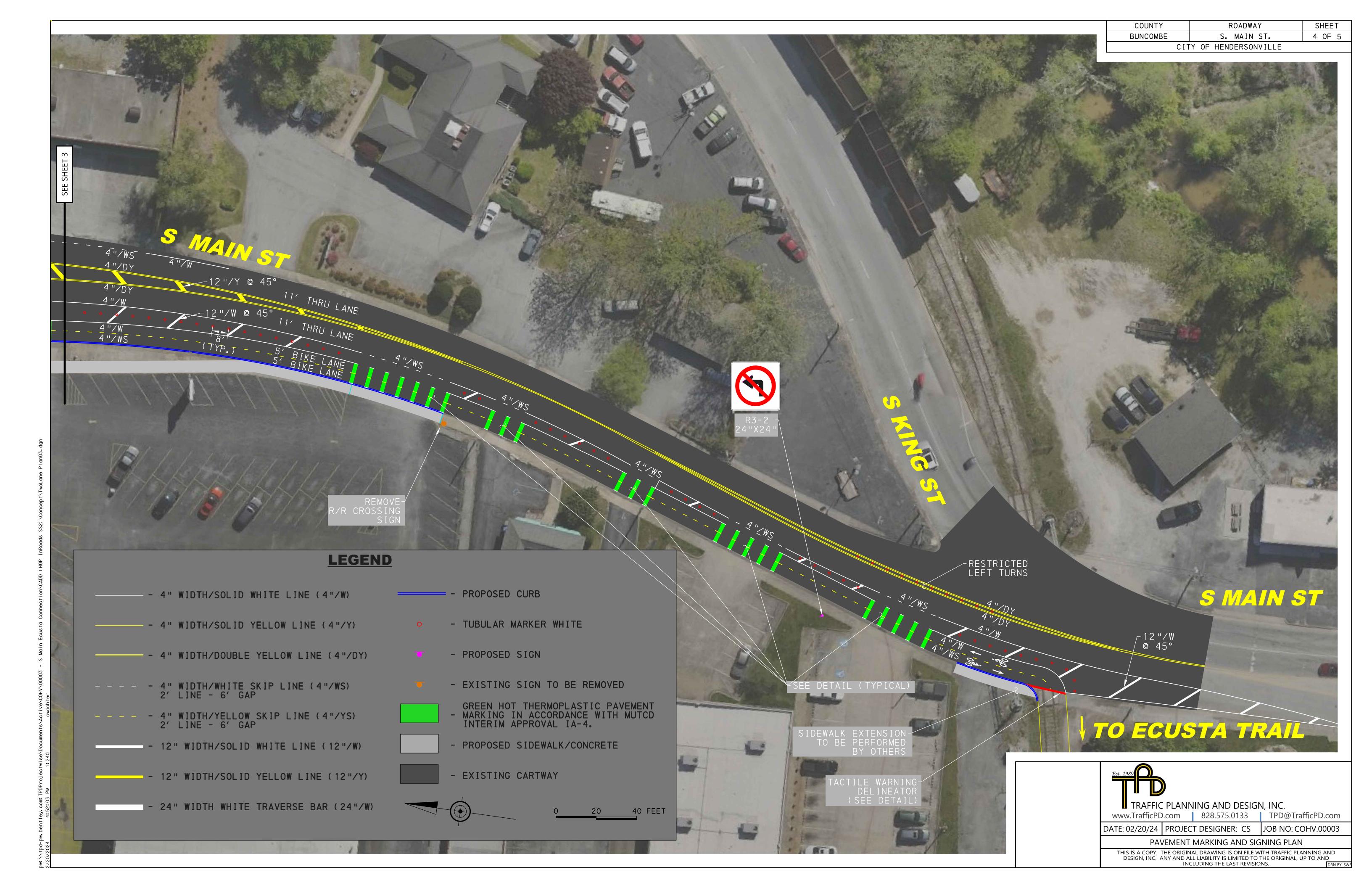
PREPARED BY:
TRAFFIC PLANNING &
DESIGN, INC.
80 CHARLOTTE STREET
SUITE 40
ASHEVILLE, NC 28801

FEBRUARY 20, 2024

DATE







BIKE BOX DETAIL

NOT TO SCALE

WHITE THERMOPLASTIC

(4", 120 MILS)

THERMOPLASTIC LEFT
TURN ARROW MARKING

GREEN HOT THERMOPLASTIC
PAVEMENT MARKINGS IN
ACCORDANCE WITH MUTCD
INTERIM APPROVAL IA-4

TWO-STAGE TURN QUEUE BOX DETAIL

NOT TO SCALE

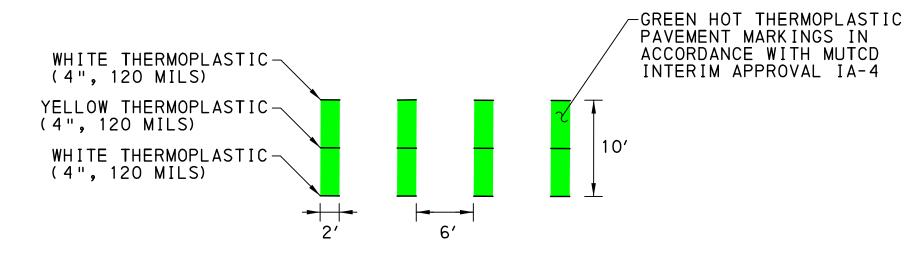
WHITE THERMOPLASTIC

(4", 120 MILS)

WHITE THERMOPLASTIC

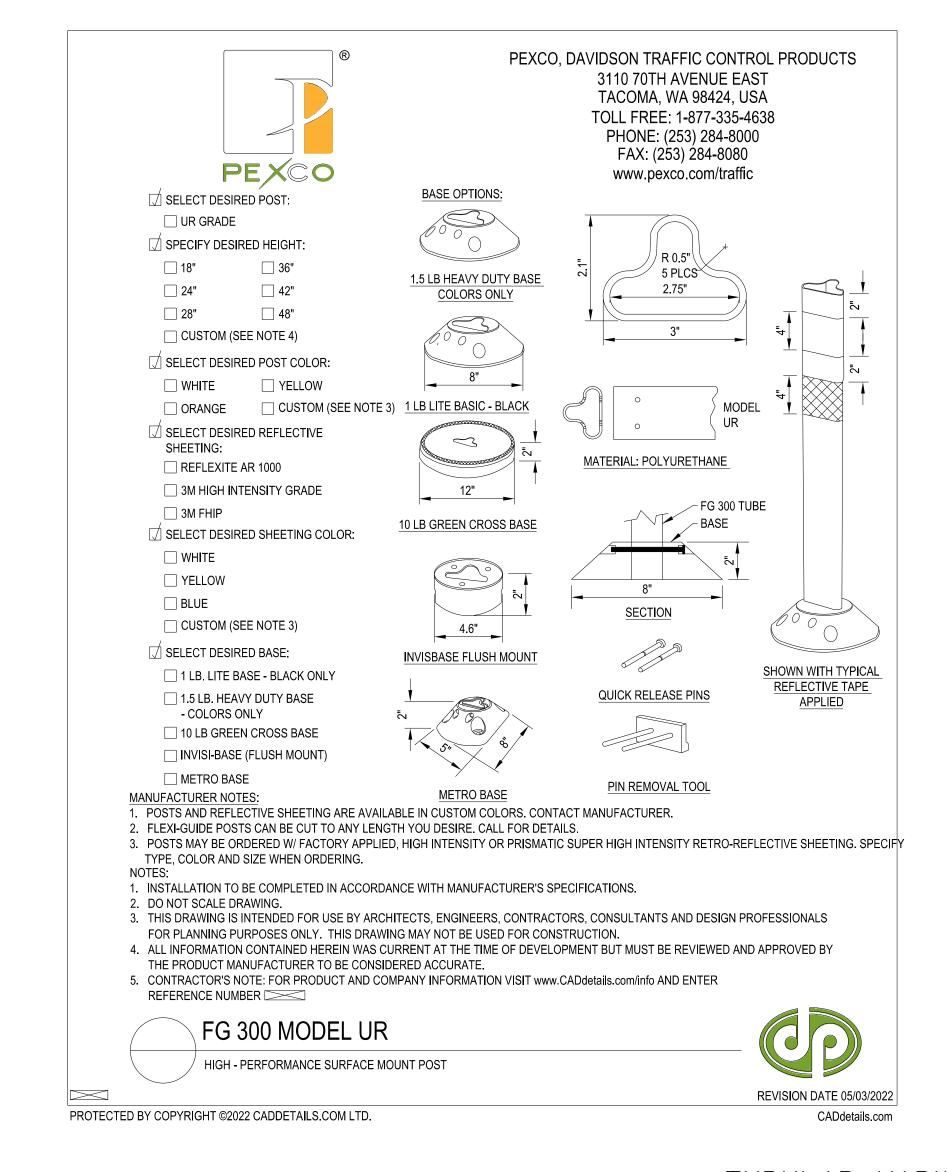
(4", 120 MILS)

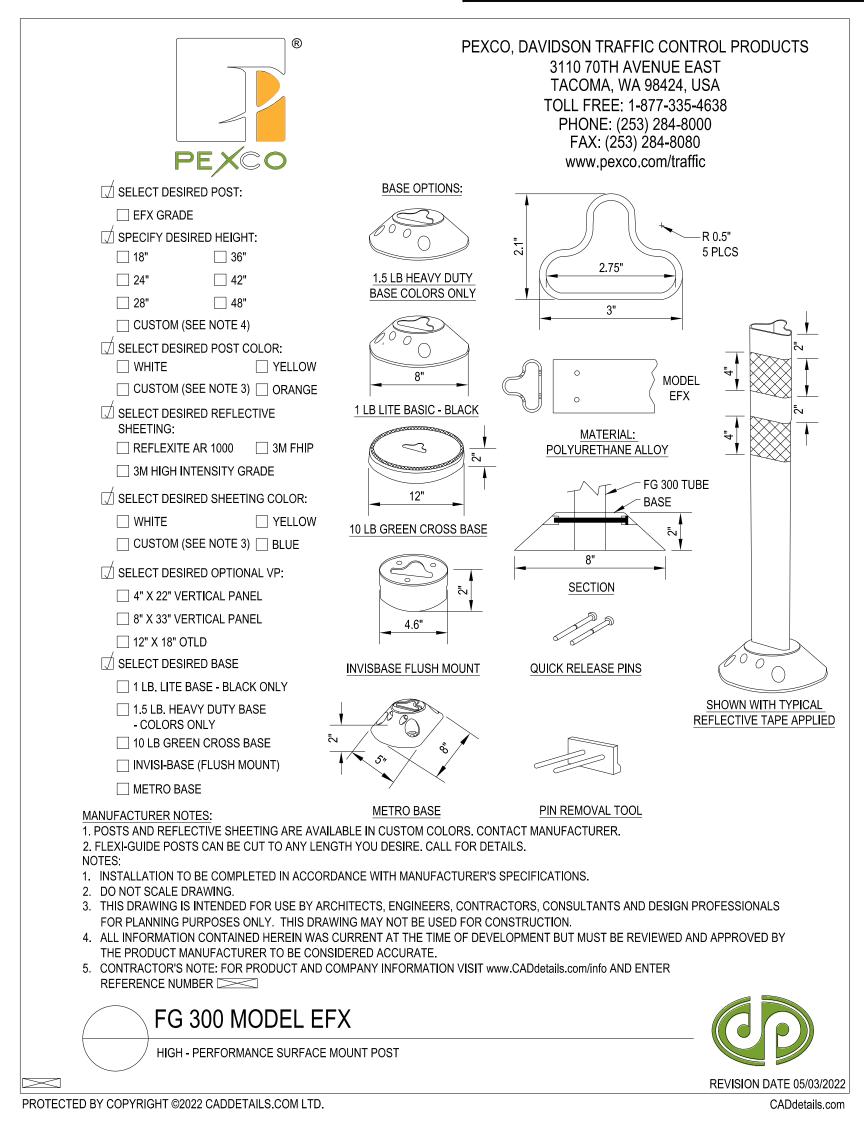
BIKE LANE CROSSING DETAIL NOT TO SCALE



MULTI-BIKE LANE CROSSING DETAIL

NOT TO SCALE



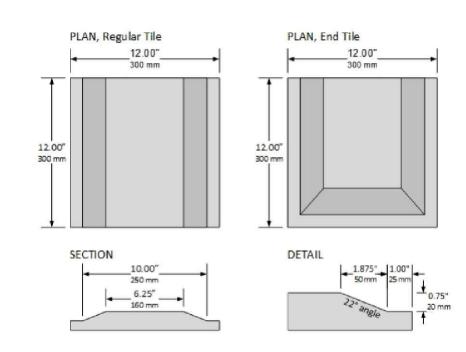


COUNTY

BUNCOMBE

TUBULAR MARKER DETAIL

NOT TO SCALE



TACTILE WARNING DELINEATOR DETAIL

NOT TO SCALE

NOTES

1. ALTERNATIVE EQUIVALENT MATERIAL MAY BE ALLOWED FOR TUBULAR MARKERS PENDING SUBMISSION OF PERFORMANCE DATA AND MANUFACTURER DETAILS.



SHEET

5 OF 5

ROADWAY

S. MAIN ST.

CITY OF HENDERSONVILLE

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