

03-10-2023 12:21  
S:\ITS\ASU\ITS\_Signals\Structures\Drawings\2024\_Metal\_Pole\_Sig\_MIB\_Standard All Metal Pole (10-yr\_MRI).dgn  
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# NCDOT METAL POLE STANDARDS

## STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

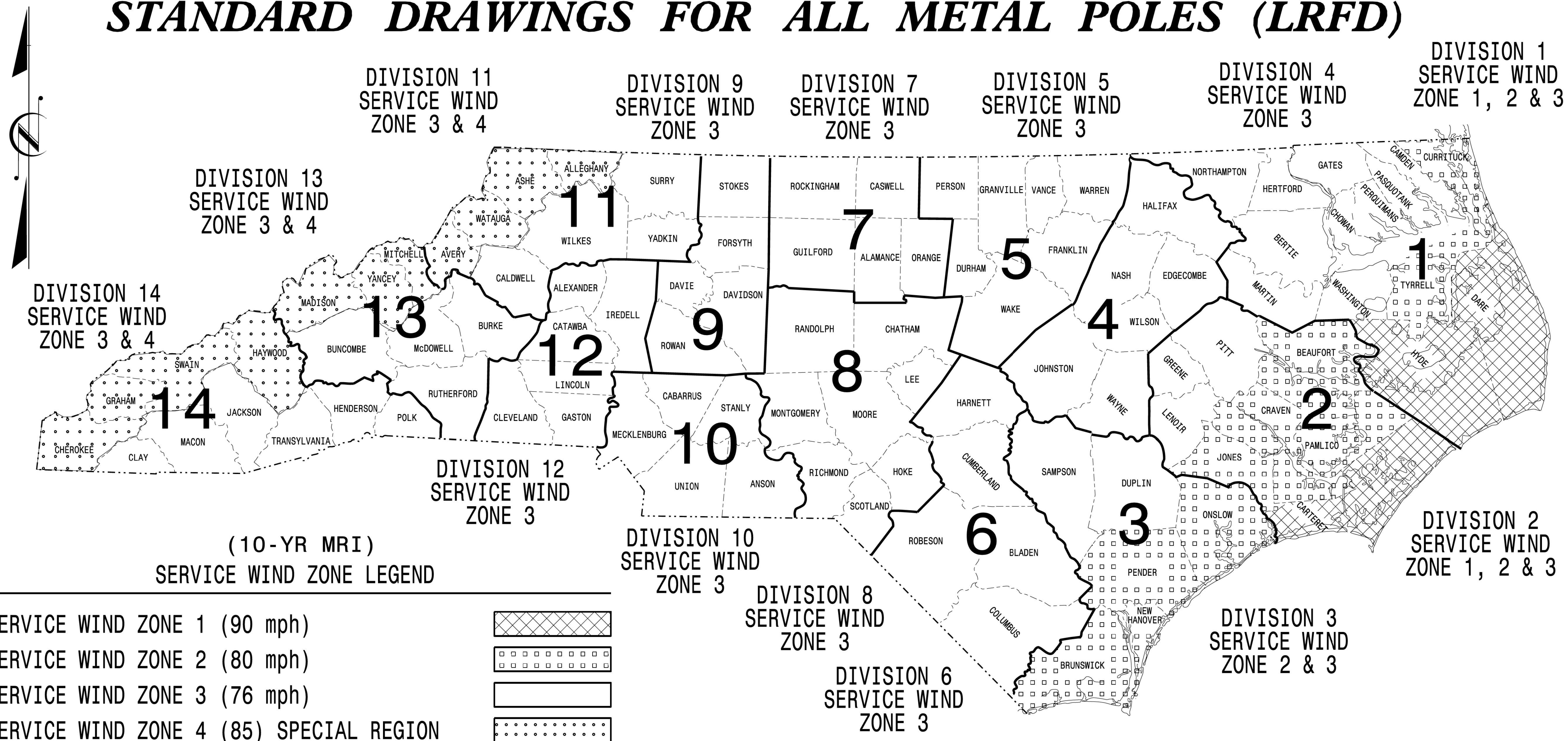
PROJECT I.D. NO.

SHEET NO.

U-4405B

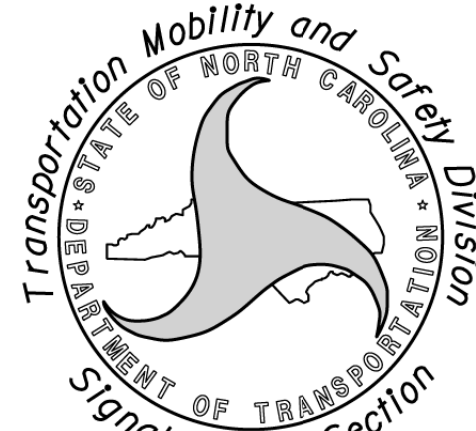
Sig.M1B

### STANDARD DRAWINGS FOR ALL METAL POLES (LRFD)



<https://connect.ncdot.gov/resources/safety/Pages/ITS-Design-Resources.aspx>

Prepared in the Offices of:



750 N. Greenfield Pkwy.  
Garner, NC 27529

Designed in conformance  
with the latest  
2020 Interim to the  
1st Edition 2015

**AASHTO  
LRFD**

Standard Specifications for  
Highway Signs, Luminaires,  
and Traffic Signals

#### DRAWING NUMBER

| INDEX OF PLANS |                                                     | DESCRIPTION |
|----------------|-----------------------------------------------------|-------------|
| Sig. M 1A      | Statewide Wind Zone Map (700-yr MRI)                |             |
| Sig. M 1B      | Statewide Wind Zone Map (10-yr MRI)                 |             |
| Sig. M 2       | Typical Fabrication Details-All Metal Poles         |             |
| Sig. M 3       | Typical Fabrication Details-Strain Poles            |             |
| Sig. M 4       | Typical Fabrication Details-Mast Arm Poles          |             |
| Sig. M 5       | Typical Fabrication Details-Mast Arm Connection     |             |
| Sig. M 6       | Typical Fabrication Details-Strain Pole Attachments |             |
| Sig. M 7       | Construction Details-Foundations                    |             |
| Sig. M 8       | Standard Strain Pole Foundation-All Soil Conditions |             |
| Sig. M 9       | Typical Fabrication Details-CCTV Camera Poles       |             |

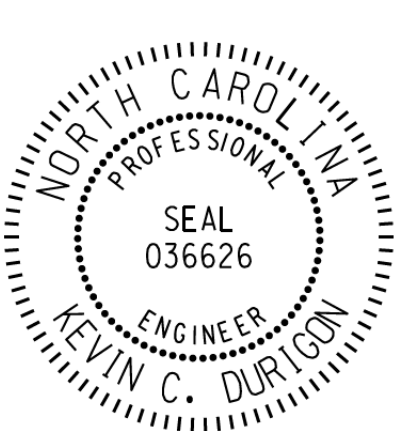
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09/21/2023

DATE