

# MINNESOTA DEPARTMENT OF TRANSPORTATION CARVER COUNTY

## CONSTRUCTION PLAN FOR: FULL DEPTH RECLAMATION, GRADING, AGGREGATE BASE, BITUMINOUS AND AGGREGATE SURFACING, CULVERTS, SIGNING, AND PAVEMENT MARKING

LOCATED ON CSAH 11 FROM 935' S OF TH 7 TO 1295' N OF TH 5

SAP 010-611-027  
CP 218931  
SEC 03/04/10/11, TWP 116N, R24W  
CSAH 11  
GROSS LENGTH 12,453.70 FT 2,359 MILES  
BRIDGES LENGTH N/A FT N/A MILES  
EXCEPTIONS LENGTH N/A FT N/A MILES  
NET LENGTH 12,453.70 FT 2,359 MILES

**DESIGN DESIGNATION FOR:**

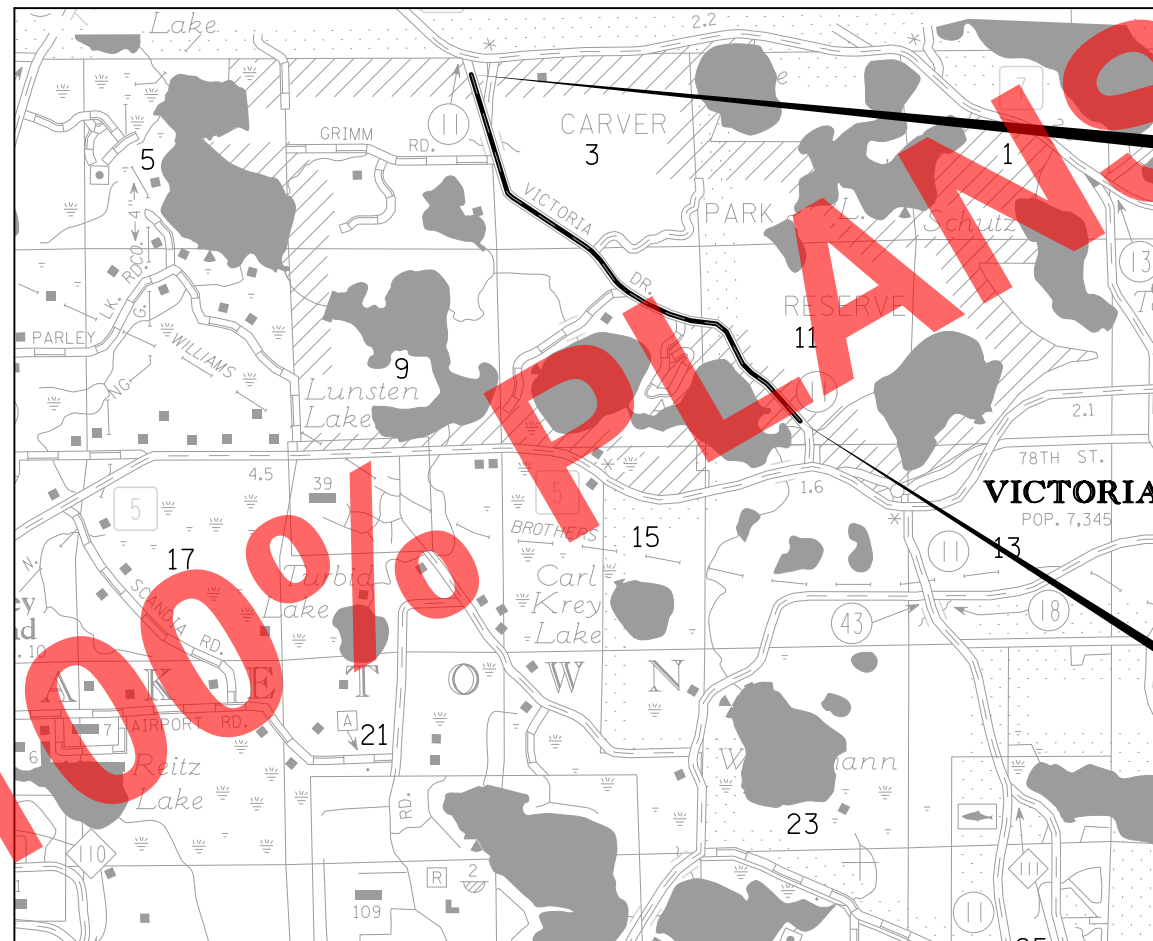
ADT (CURRENT YEAR) 2024	3,530
ADT (FUTURE YEAR) 2044	4,300
FUNCTIONAL CLASS	MINOR ARTERIAL
NO. OF TRAFFIC LANES	2
NO. OF PARKING LANES	0
SHOULDER WIDTH	6' - 8'
R-VALUE	15
TON DESIGN	10
ESALS	1,500,000
DESIGN SPEED (MPH)	55

BASED ON STOPPING SIGHT DISTANCE  
3.5 FT HEIGHT OF EYE  
2.0 FT HEIGHT OF OBJECT

DESIGN SPEED NOT ACHIEVED AT  
(EXISTING CURVE WITH POSTED 40 MPH) -  
STA: 201+00  
TO STA: 217+45

**DESIGN DESIGNATION FOR:**

DESIGN SPEED (MPH)	20
TRAIL	20
BASED ON STOPPING SIGHT DISTANCE	
3.8 FT HEIGHT OF EYE	
0.0 FT HEIGHT OF OBJECT	

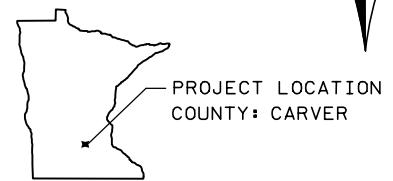


**SCALES**

PLAN	100
PROFILE	100 HORIZ.      10 VERT.
INDEX MAP	5,280
GENERAL LAYOUT	1,000

THE PLAN INDICATES THE GENERAL LOCATION OF KNOWN UTILITIES ON THE PROJECT. ALL UTILITY LOCATIONS ARE APPROXIMATE. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITY LOCATIONS AND ELEVATIONS WITH THE UTILITY COMPANIES.

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA".



GOVERNING SPECIFICATIONS

THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.

ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO THE LATEST EDITION OF THE "MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MN MUTCD) INCLUDING THE LATEST "FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS".

INDEX	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	GENERAL LAYOUT
3-4	STATEMENT OF ESTIMATED QUANTITIES
5	SOILS AND CONSTRUCTION NOTES
6-9	TABULATIONS
10-14	INPLACE UTILITY PLANS
15-21	TYPICAL SECTIONS
22-24	STANDARD DETAILS
25	DESIGN DETAILS
26-27	SURCHARGE DETAILS
28-57	STANDARD PLAN
58-62	INPLACE TOPOGRAPHY & REMOVAL PLAN
63-67	ALIGNMENT PLAN & TABULATION
68-77	CONSTRUCTION PLAN & PROFILE
78-79	PROFILES
80-82	INTERSECTION DETAILS
83-92	DRAINAGE PLAN & PROFILE
93-94	DRAINAGE TABULATION
95-96	DRAINAGE DETAILS
97-99	STORM WATER POLLUTION PREVENTION PLAN
100-104	EROSION CONTROL AND TURF ESTABLISHMENT PLAN
105-114	STAGING PLAN
115	CONTOUR PLAN
116-134	PERMANENT PAVEMENT MARKING & SIGNING PLAN
X1-X84	CSAH 11 CROSS SECTIONS
X85-X86	TRAIL CROSS SECTIONS
CO.01-E.05	CITY OF VICTORIA SANITARY SEWER PLAN

THIS PLAN CONTAINS 238 SHEETS



SIGNATURE: \_\_\_\_\_ NAME: \_\_\_\_\_  
DESIGN ENGINEER: I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.  
DATE: \_\_\_\_\_ LICENSE NUMBER: \_\_\_\_\_

APPROVED THREE RIVERS PARK DISTRICT \_\_\_\_\_ DATE: \_\_\_\_\_

APPROVED CARVER COUNTY: COUNTY HIGHWAY ENGINEER \_\_\_\_\_ DATE: \_\_\_\_\_

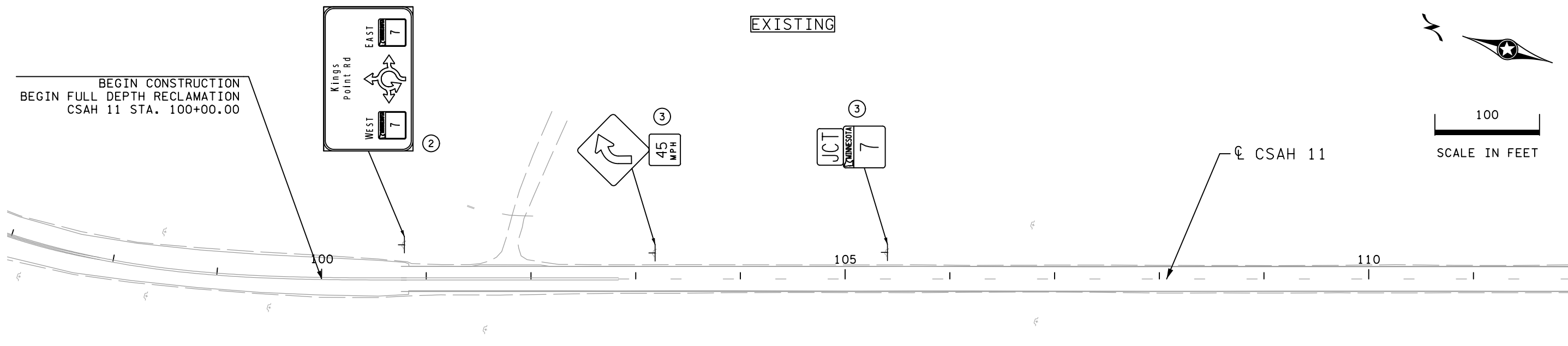
APPROVED CITY OF VICTORIA: CITY ENGINEER \_\_\_\_\_ DATE: \_\_\_\_\_

DISTRICT STATE AID ENGINEER: \_\_\_\_\_ DATE: \_\_\_\_\_  
REVIEWED FOR COMPLIANCE WITH STATE AID RULES/POLICY

APPROVED FOR STATE AID FUNDING: STATE AID ENGINEER \_\_\_\_\_ DATE: \_\_\_\_\_

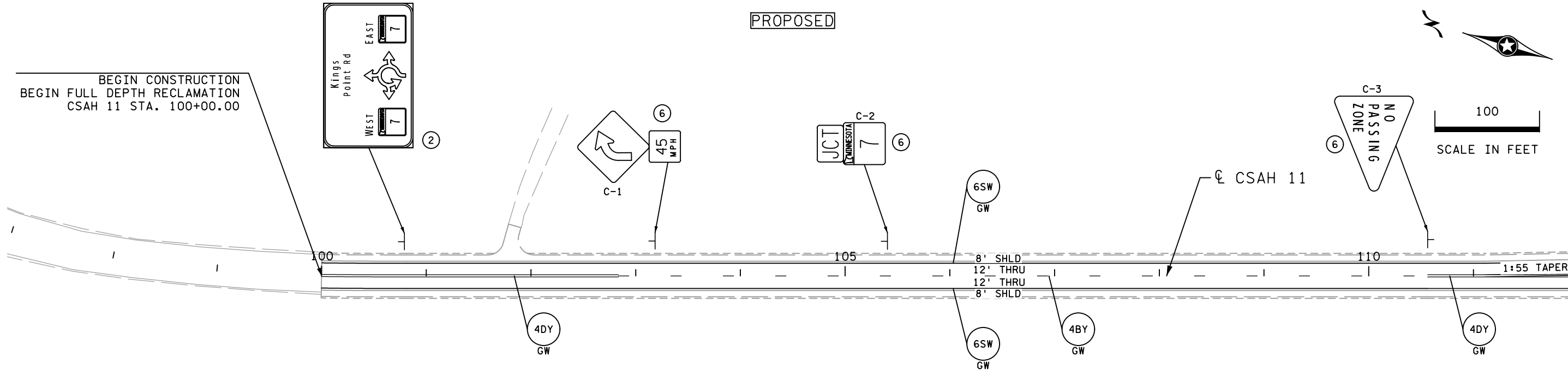
3/22/28 PM 17/2/2025 ... \Projects\2023\1230087\DESIGN\Map\_Sheets\cdl230087\_1.sh.dgn

EXISTING



- SPECIFIC NOTES:**
- ① FURNISH & INSTALL
  - ② INPLACE
  - ③ SALVAGE
  - ④ REMOVE
  - ⑥ INSTALL
  - ⑦ SALVAGE SIGN TYPE SPECIAL
  - ⑧ INSTALL SIGN TYPE SPECIAL

PROPOSED



- GENERAL NOTES:**
1. SEE TYPICAL SECTION ON SHEET 22 FOR LANE WIDTHS, STRIPE PLACEMENT, AND MILLED SINUSOIDAL RUMBLE STRIP DETAILS.
  2. SEE PAVEMENT MARKING LEGEND ON SHEET 116.

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NO	DATE	DWN	CKD	REVISIONS



I HEREBY CERTIFY THAT THIS SHEET WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

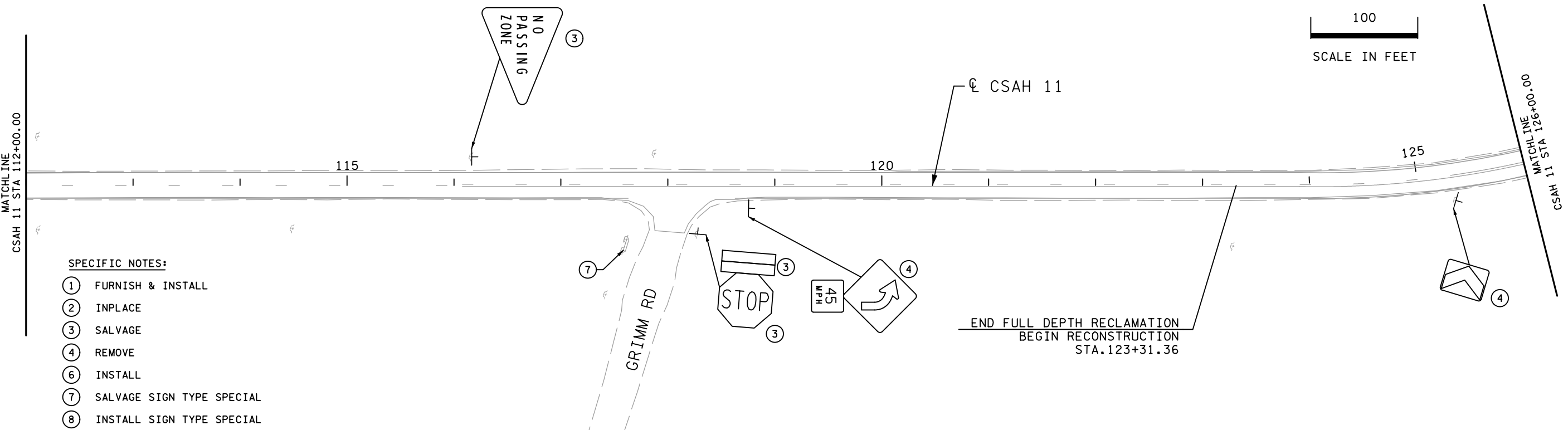
PRINT NAME: ERIC NELSON  
 SIGNATURE: *Eric Nelson*  
 DATE: 01/10/25 LICENSE #: 43560

PERMANENT PAVEMENT MARKING & SIGNING PLAN

SAP 010-611-027; CP 218931 (CSAH 11)

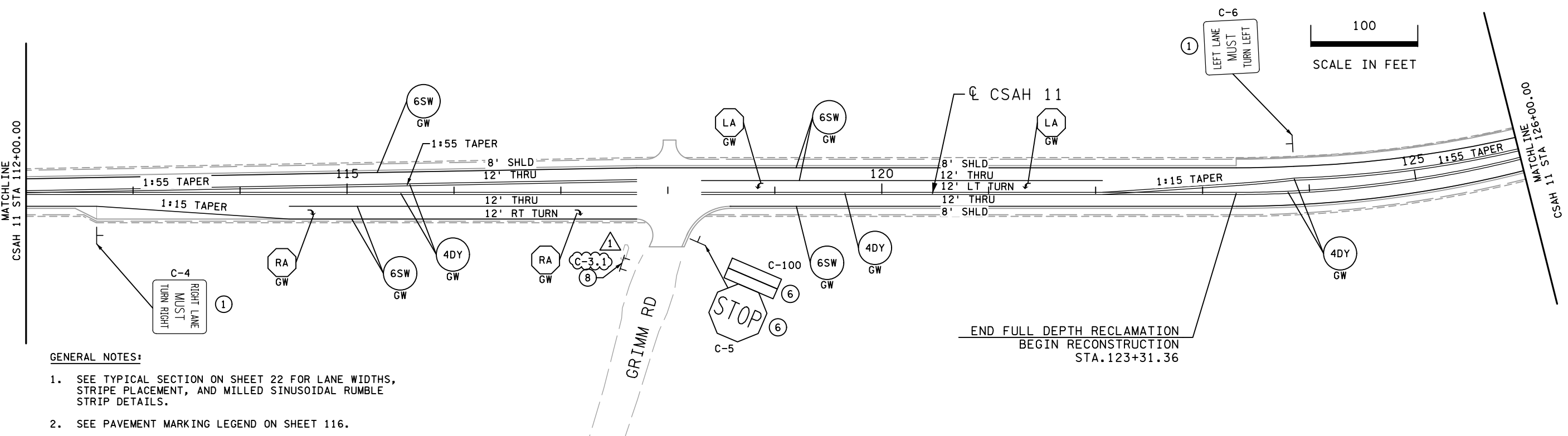
SHEET NO. 125 OF 220 SHEETS

EXISTING



- SPECIFIC NOTES:**
- ① FURNISH & INSTALL
  - ② INPLACE
  - ③ SALVAGE
  - ④ REMOVE
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  2. SEE PAVEMENT MARKING LEGEND ON SHEET 116.

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NO	DATE	DWN	CKD	REVISIONS
1	01/27/25	GMK	EN	ADDENDUM #1



I HEREBY CERTIFY THAT THIS SHEET WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

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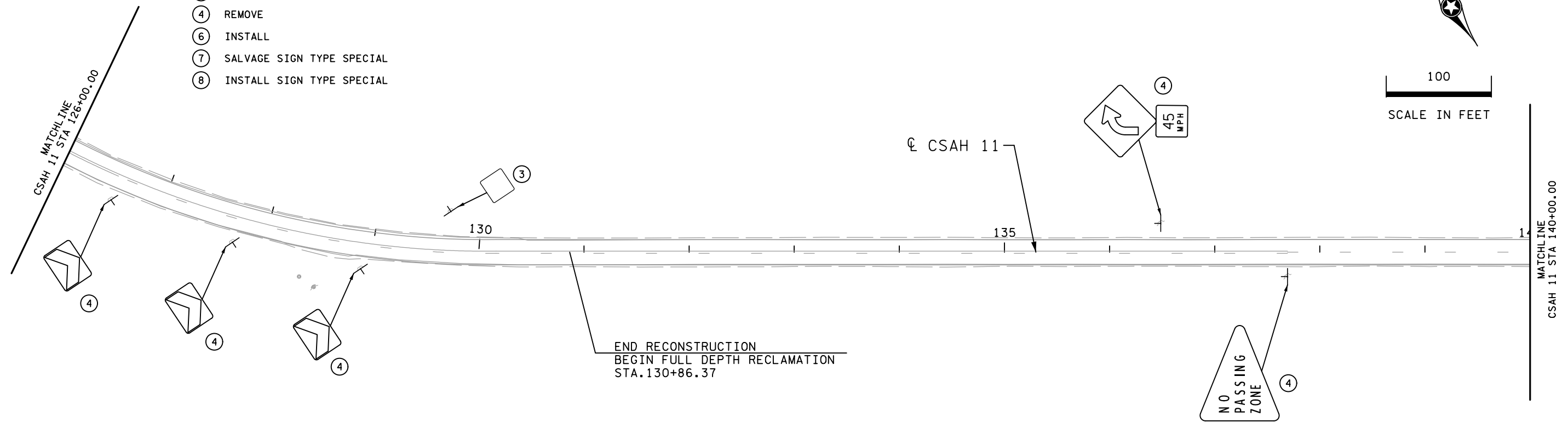
PERMANENT PAVEMENT MARKING & SIGNING PLAN

SAP 010-611-027; CP 218931 (CSAH 11)  
 SHEET NO. 126 OF 220 SHEETS

**SPECIFIC NOTES:**

- ① FURNISH & INSTALL
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- ③ SALVAGE
- ④ REMOVE
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- ⑦ SALVAGE SIGN TYPE SPECIAL
- ⑧ INSTALL SIGN TYPE SPECIAL

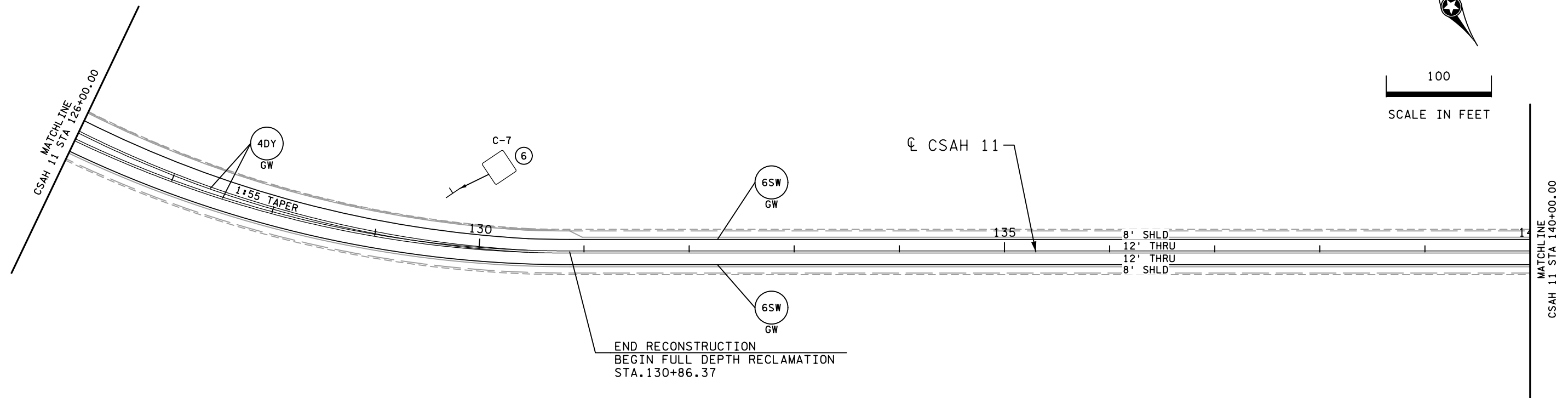
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**PROPOSED**



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NO	DATE	DWN	CKD	REVISIONS



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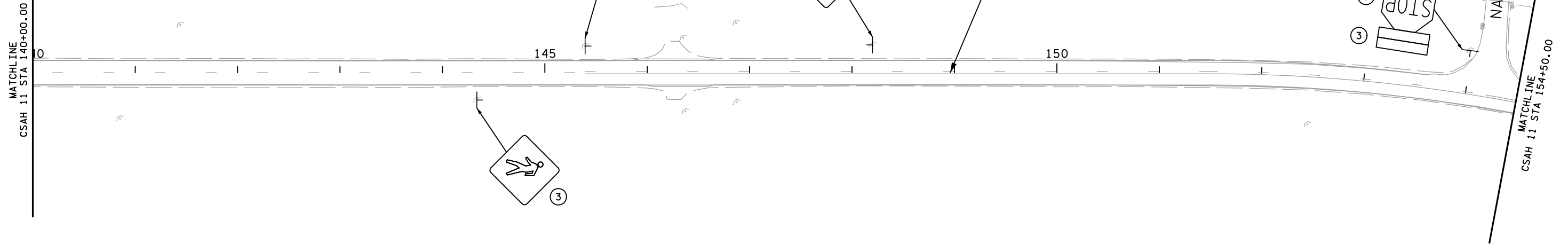
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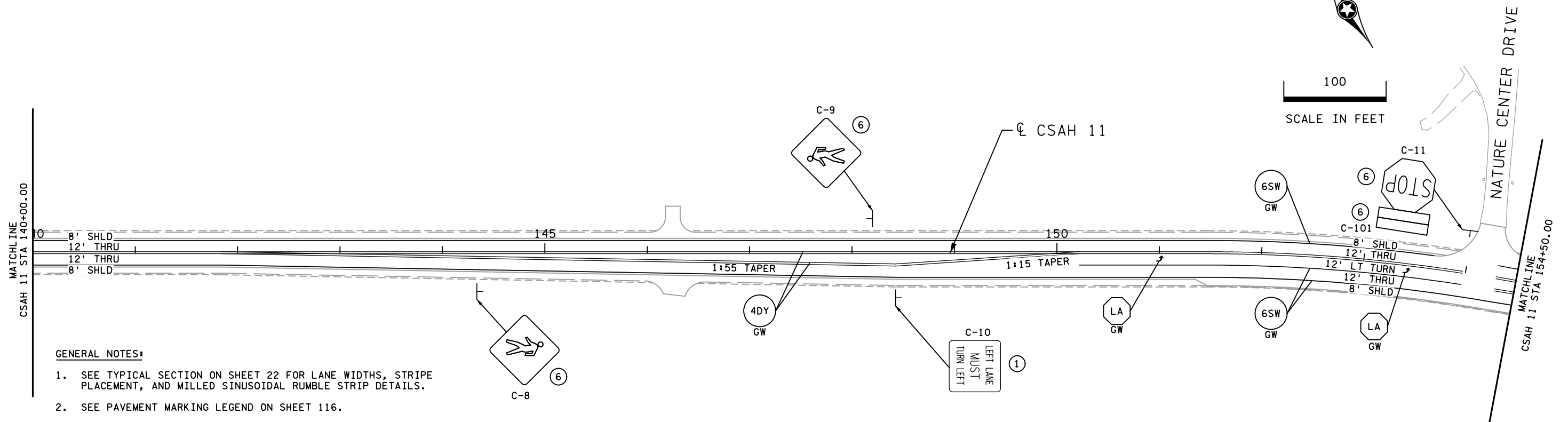
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NO	DATE	DWN	CKD	REVISIONS



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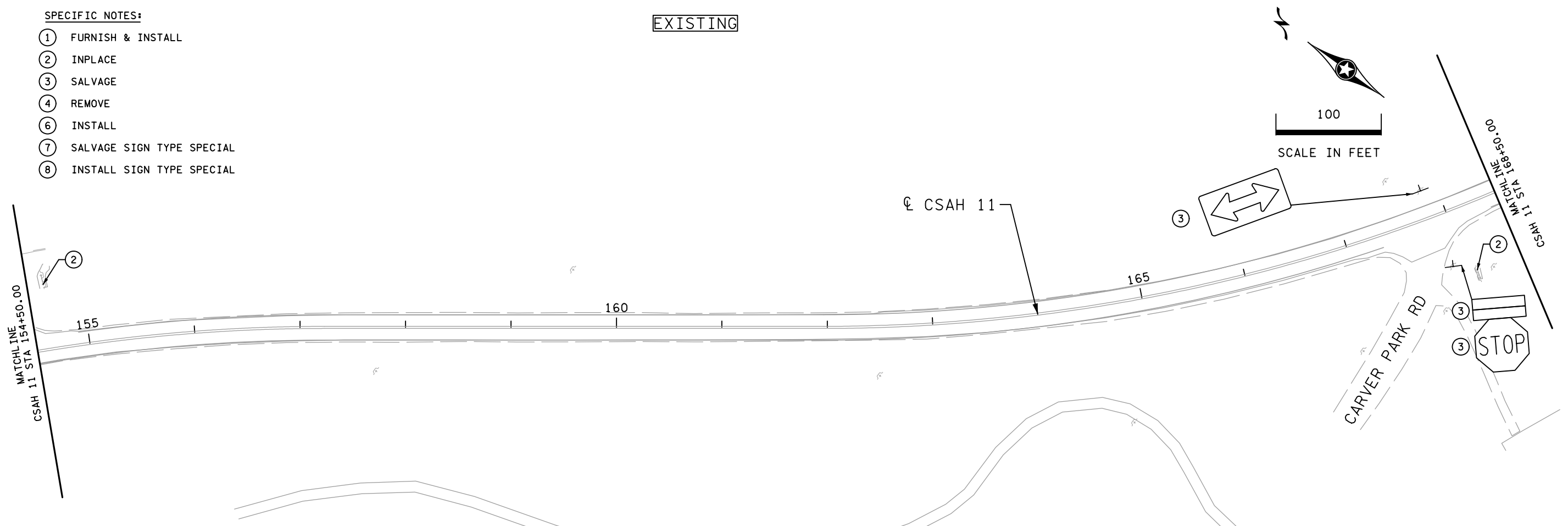
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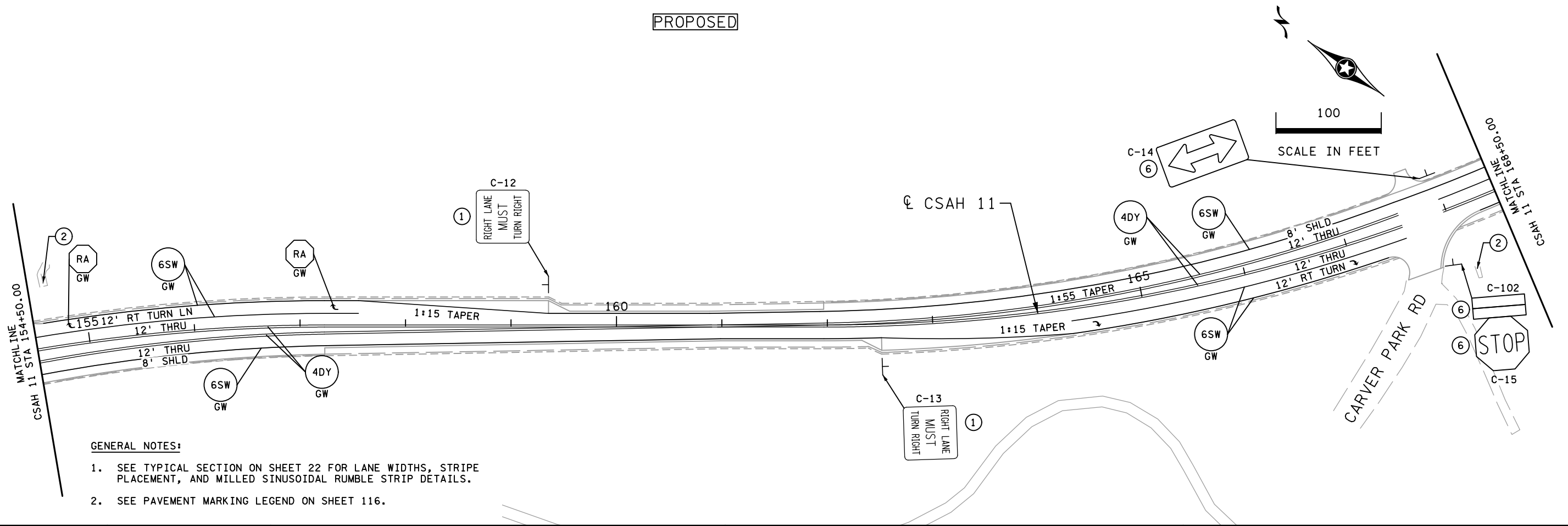
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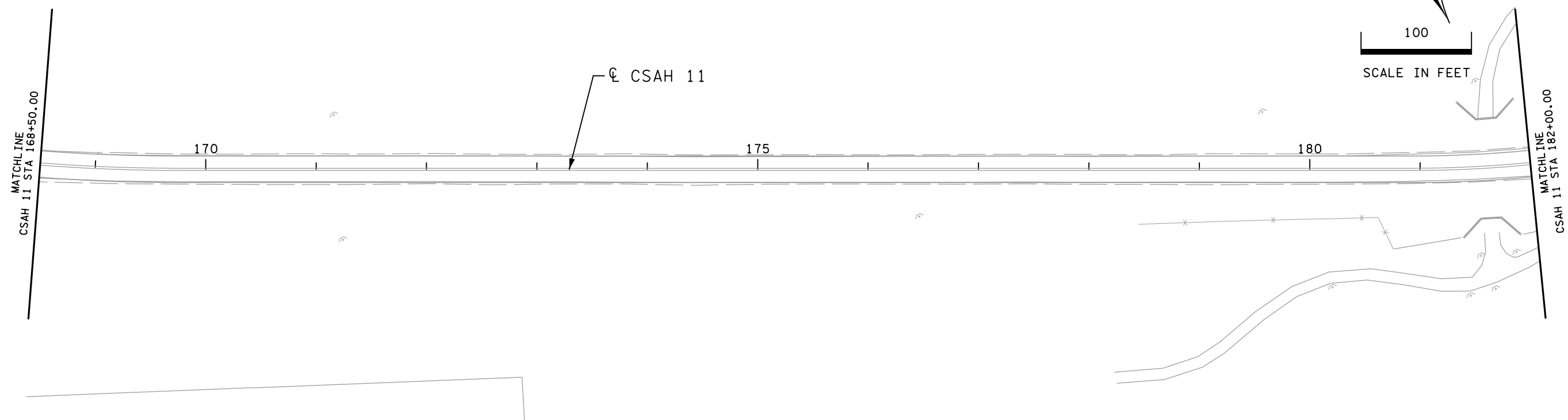
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SHEET NO. 129 OF 220 SHEETS

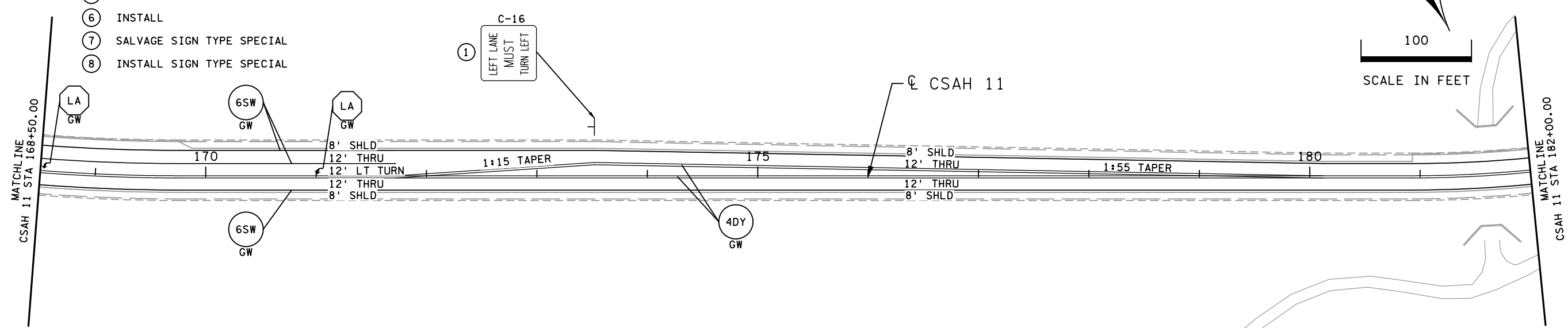
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I HEREBY CERTIFY THAT THIS SHEET WAS PREPARED  
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 SIGNATURE: *Eric Nelson*  
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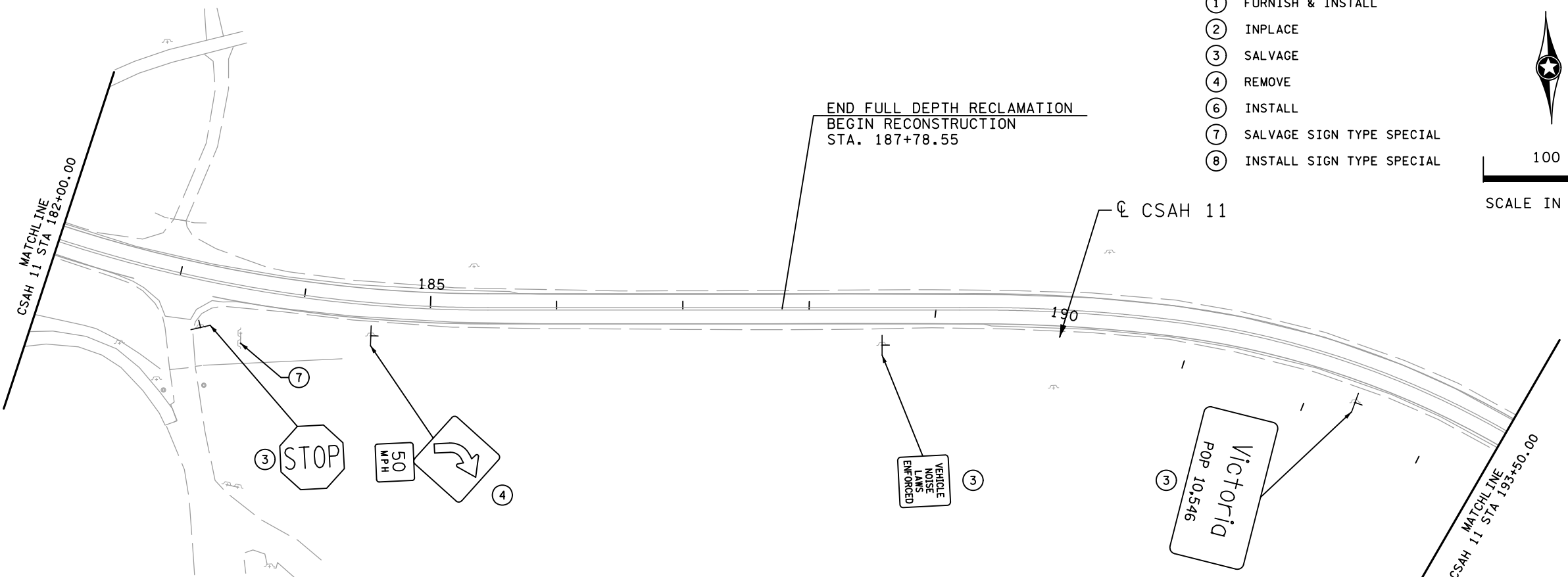
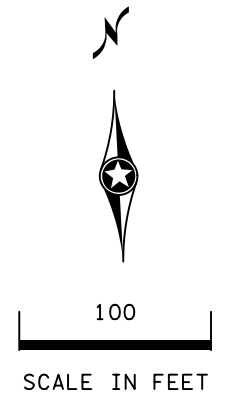
PERMANENT PAVEMENT MARKING & SIGNING PLAN

**SAP 010-611-027; CP 218931 (CSAH 11)**  
 SHEET NO. 130 OF 220 SHEETS

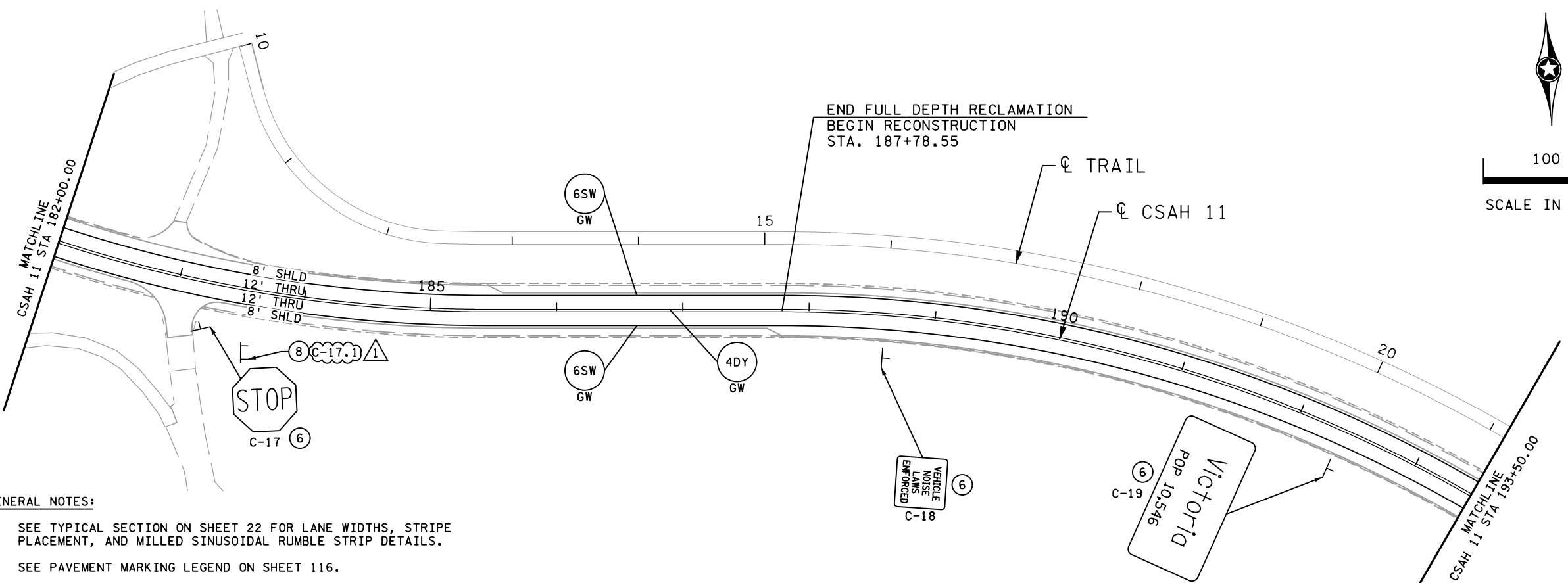
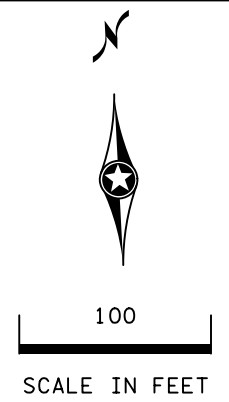
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- SPECIFIC NOTES:**
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  2. SEE PAVEMENT MARKING LEGEND ON SHEET 116.

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NO	DATE	DWN	CKD	REVISIONS
1	01/27/25	GMK	EN	ADDENDUM #1



I HEREBY CERTIFY THAT THIS SHEET WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

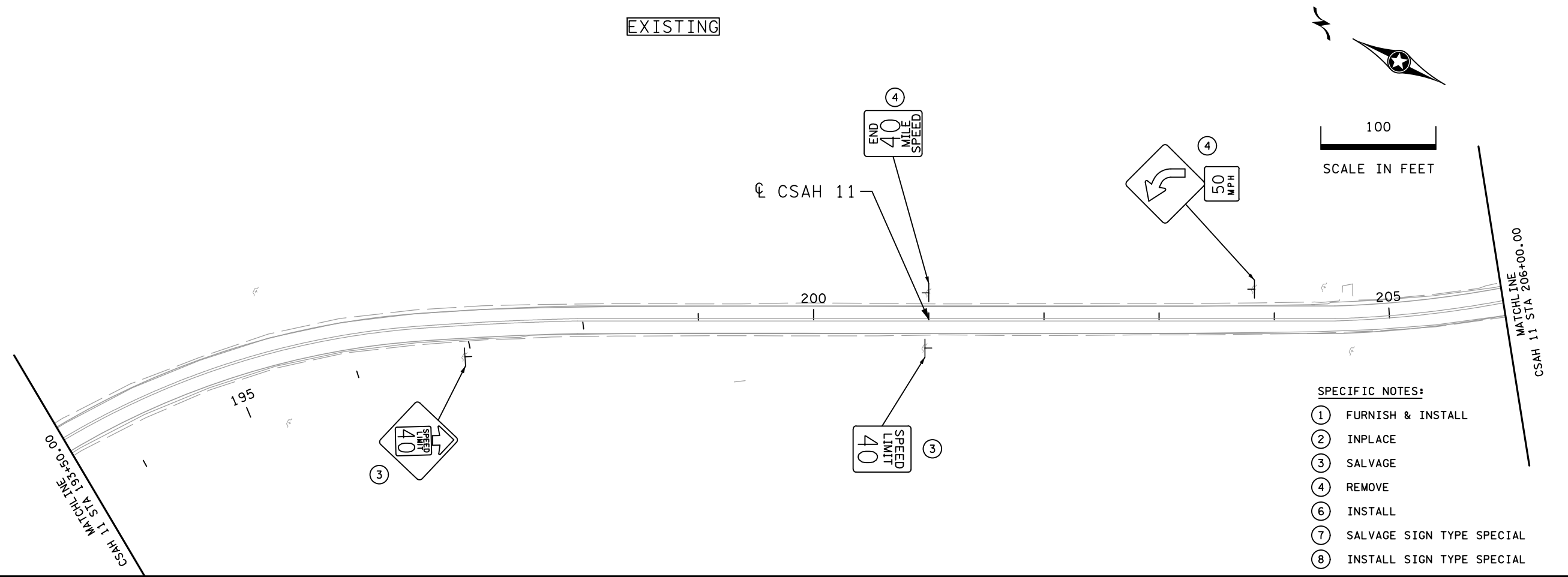
PRINT NAME: ERIC NELSON  
 SIGNATURE: *Eric Nelson*  
 DATE: 01/27/25 LICENSE #: 43560

PERMANENT PAVEMENT MARKING & SIGNING PLAN

SAP 010-611-027; CP 218931 (CSAH 11)  
 SHEET NO. 131 OF 220 SHEETS



EXISTING

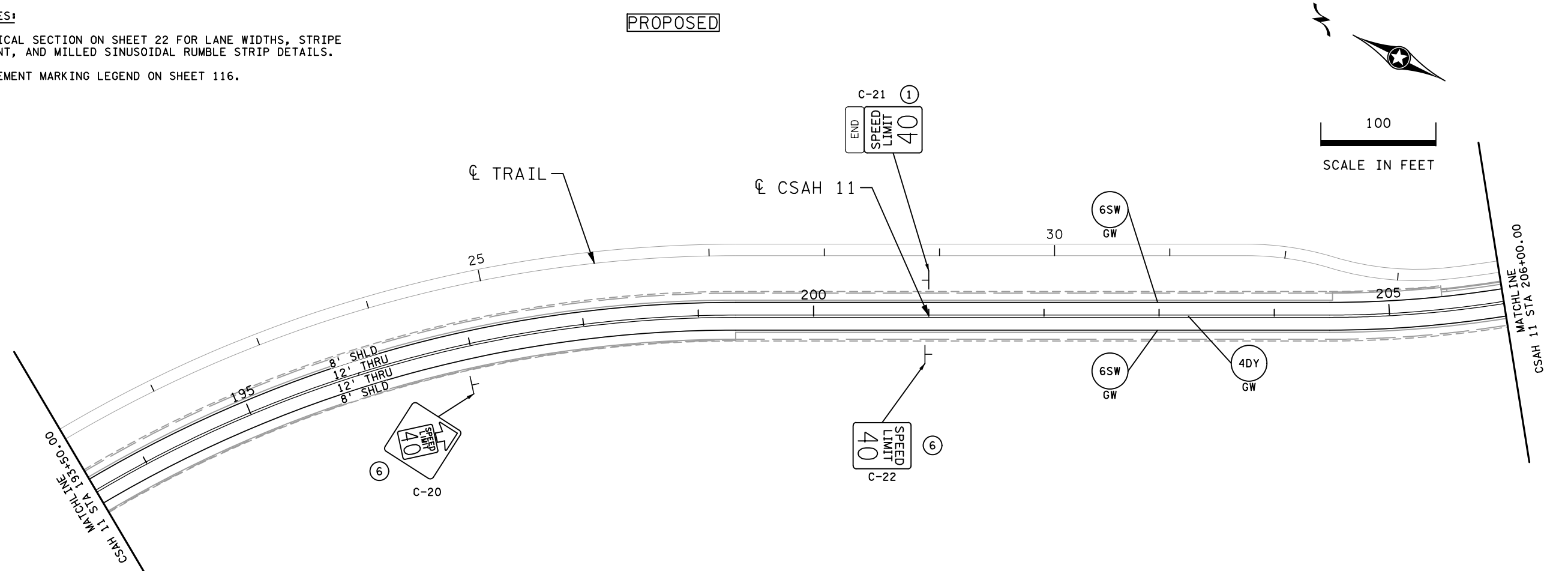


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PROPOSED



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NO	DATE	DWN	CKD	REVISIONS



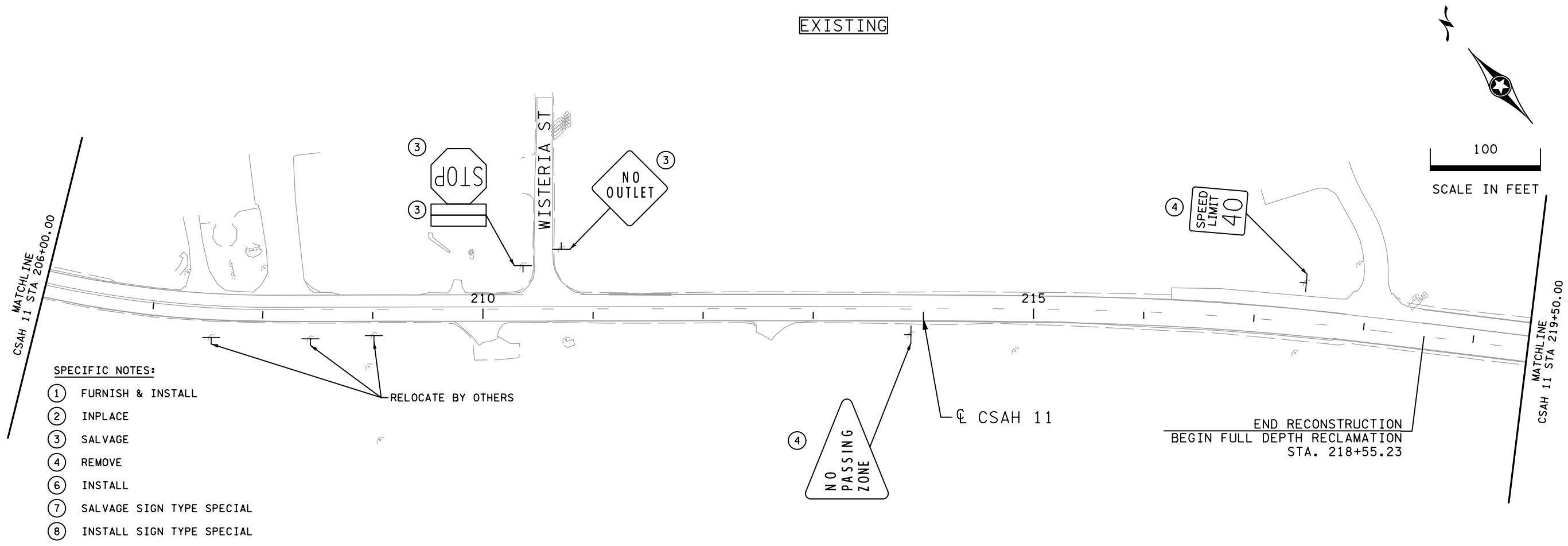
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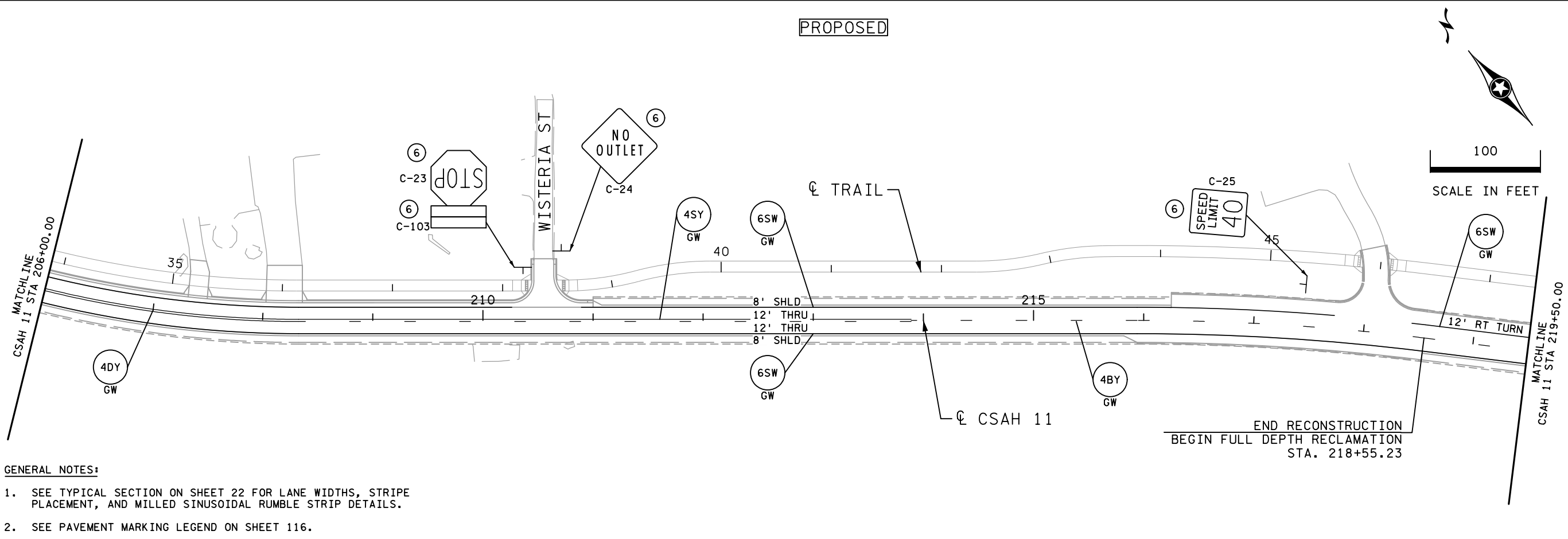
PERMANENT PAVEMENT MARKING & SIGNING PLAN

SAP 010-611-027; CP 218931 (CSAH 11)  
 SHEET NO. 132 OF 220 SHEETS

EXISTING



PROPOSED



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NO	DATE	DWN	CKD	REVISIONS



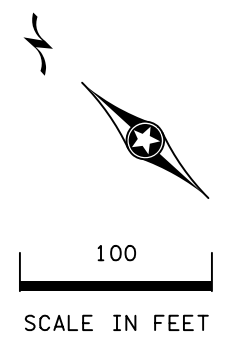
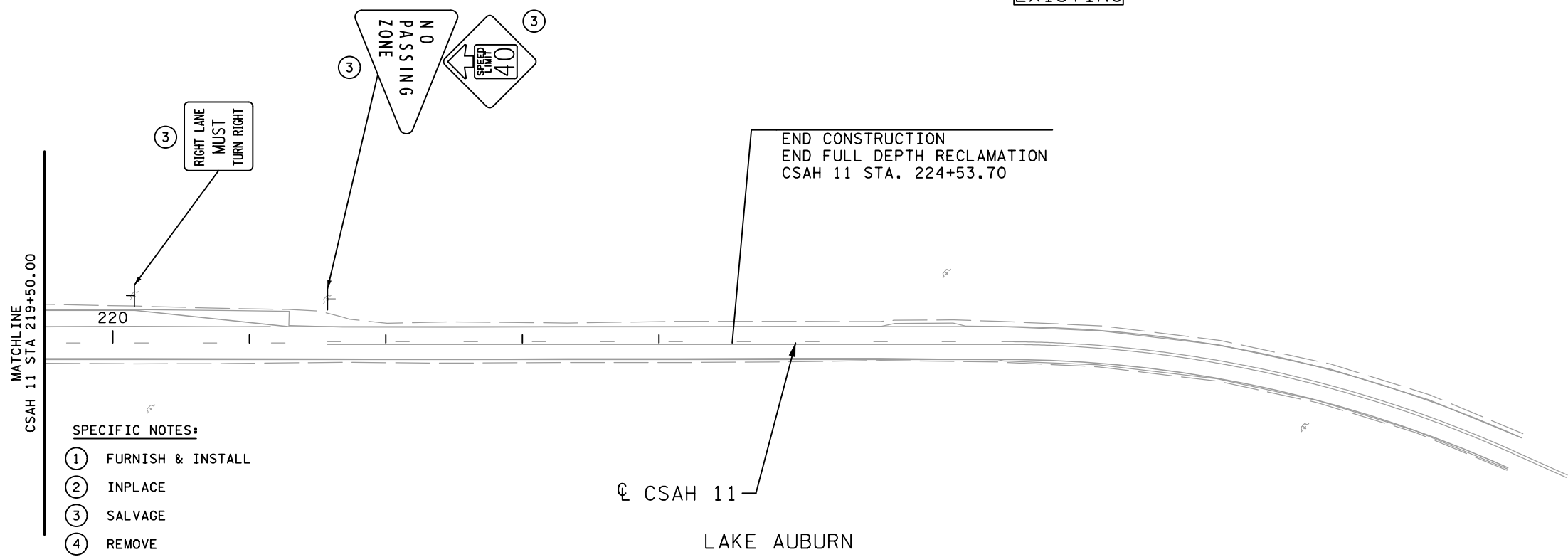
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PERMANENT PAVEMENT MARKING & SIGNING PLAN

SAP 010-611-027; CP 218931 (CSAH 11)  
 SHEET NO. 133 OF 220 SHEETS

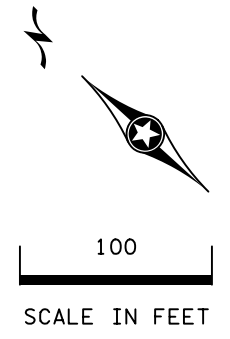
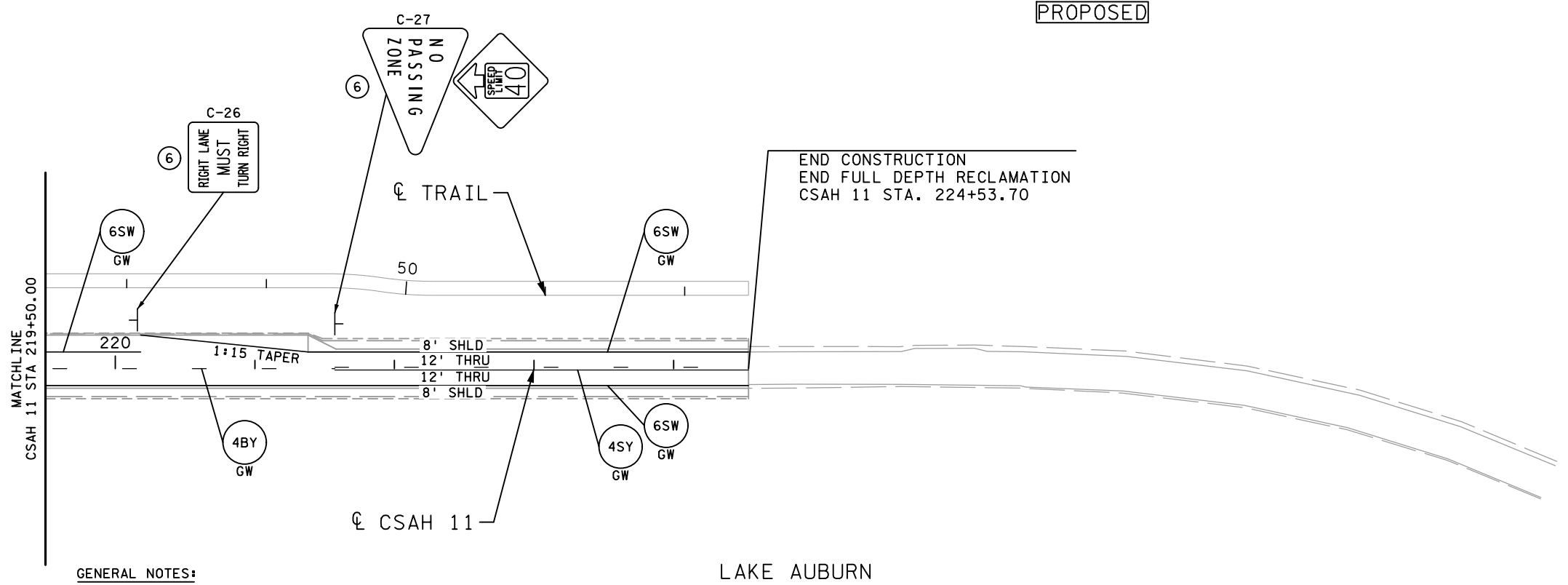
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NO	DATE	DWN	CKD	REVISIONS



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PRINT NAME: ERIC NELSON  
 SIGNATURE: *Eric Nelson*  
 DATE: 01/10/25 LICENSE #: 43560

PERMANENT PAVEMENT MARKING & SIGNING PLAN

SAP 010-611-027; CP 218931 (CSAH 11)  
 SHEET NO. 134 OF 220 SHEETS