

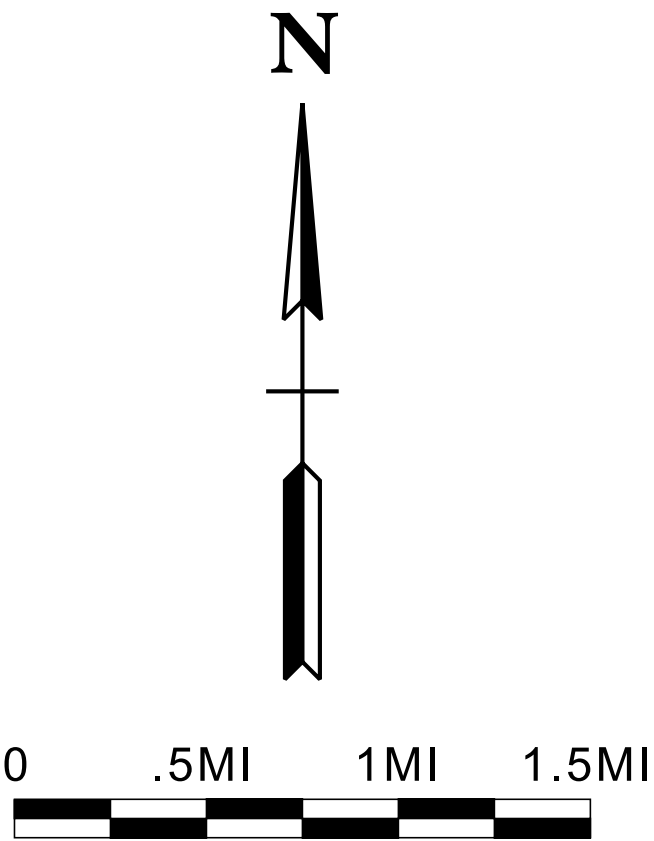
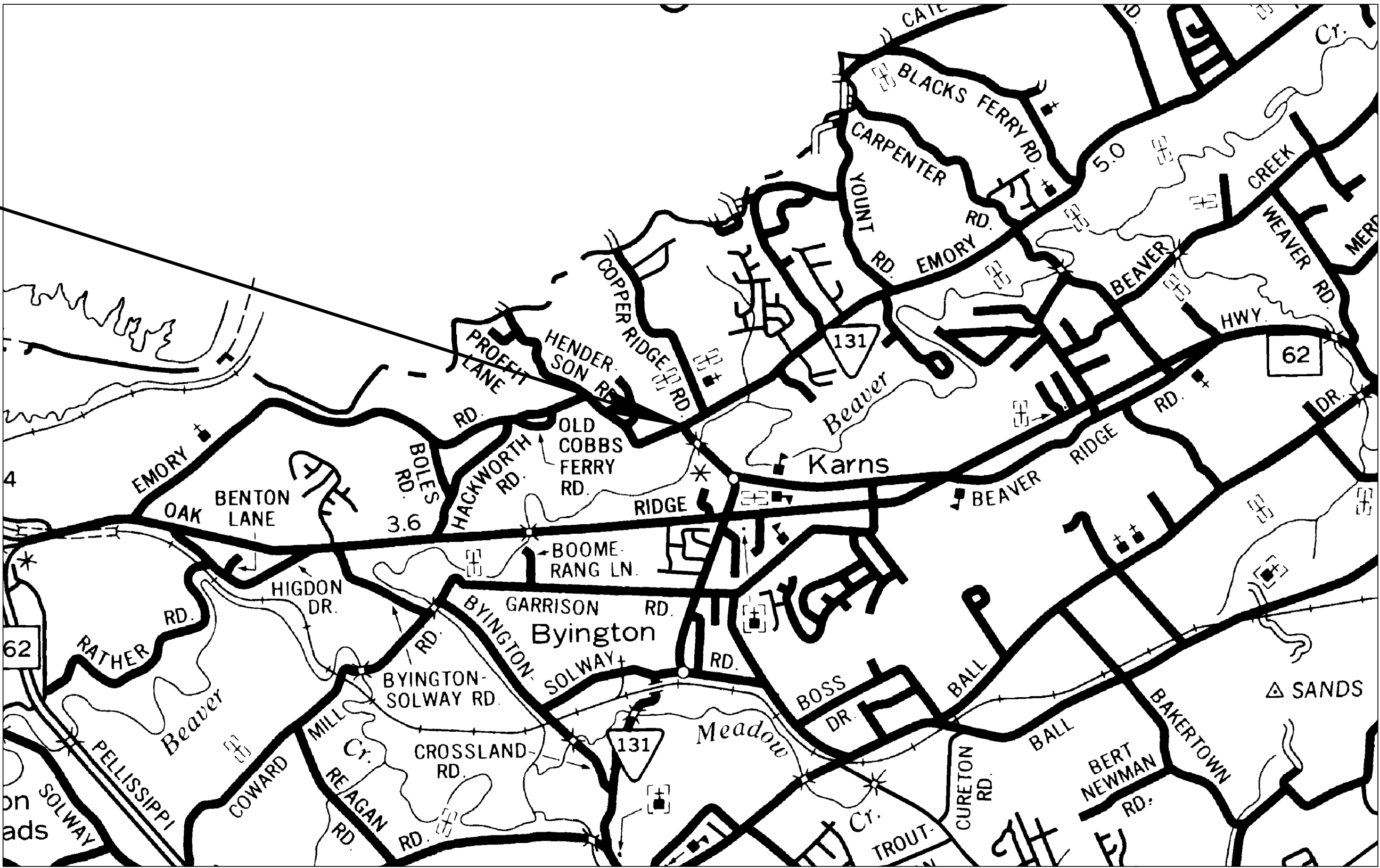
Index Of Sheets

TITLE SHEET	1
TYPICAL SECTIONS AND PAVEMENT SCHEDULE.....	2
LAYOUT OF COMPLETE PROJECT	3
PROPOSED LAYOUT OF WEST END	4
EXISTING PROFILE, EMORY ROAD – WEST END	4A
PROPOSED LAYOUT OF CENTER AREA.....	5
EXISTING PROFILE, EMORY ROAD – CENTER AREA	5A
PROPOSED LAYOUT EAST END	6
EXISTING PROFILE, EMORY ROAD – EAST END	6A

INTERSECTION IMPROVEMENT
W. EMORY ROAD (S.R. 131)
AT BEAVER RIDGE ROAD

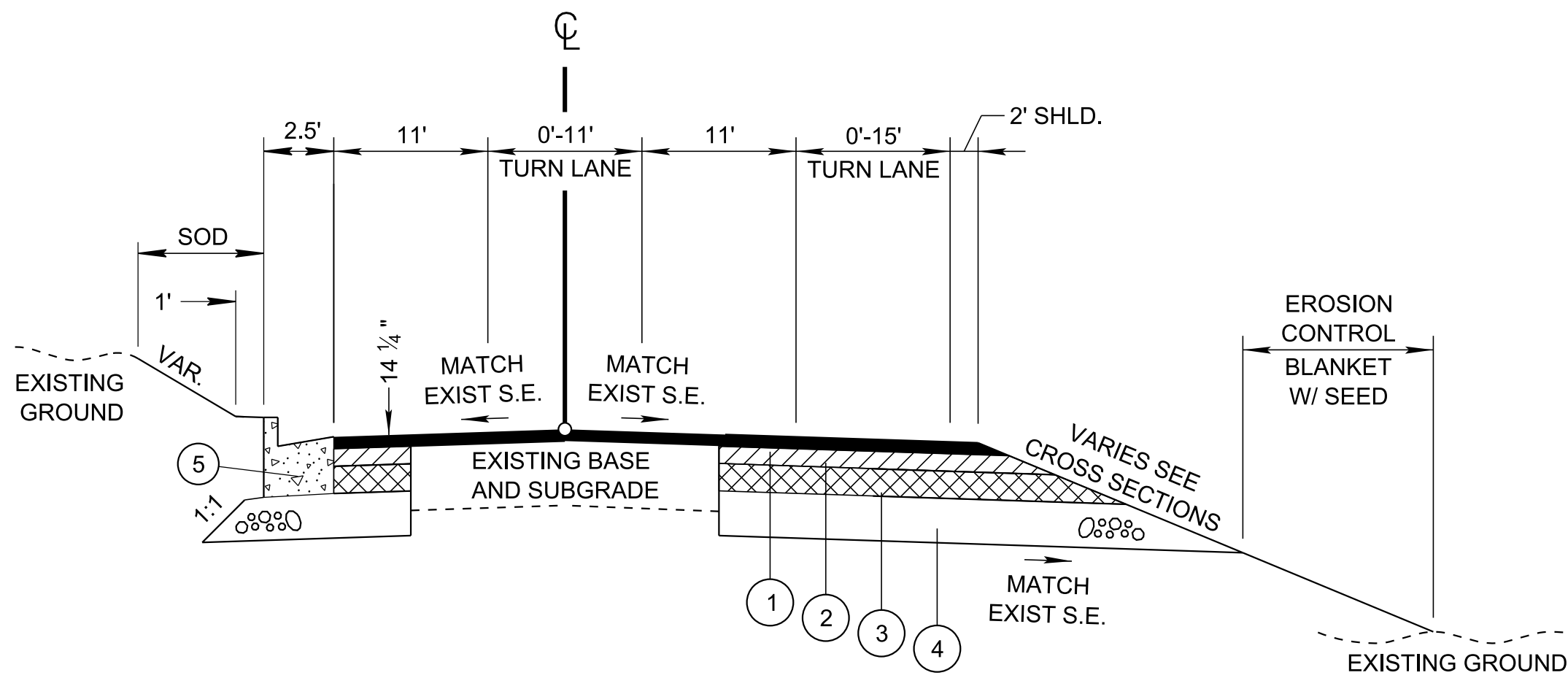
CONCEPTUAL DESIGN

PROJECT LOCATION

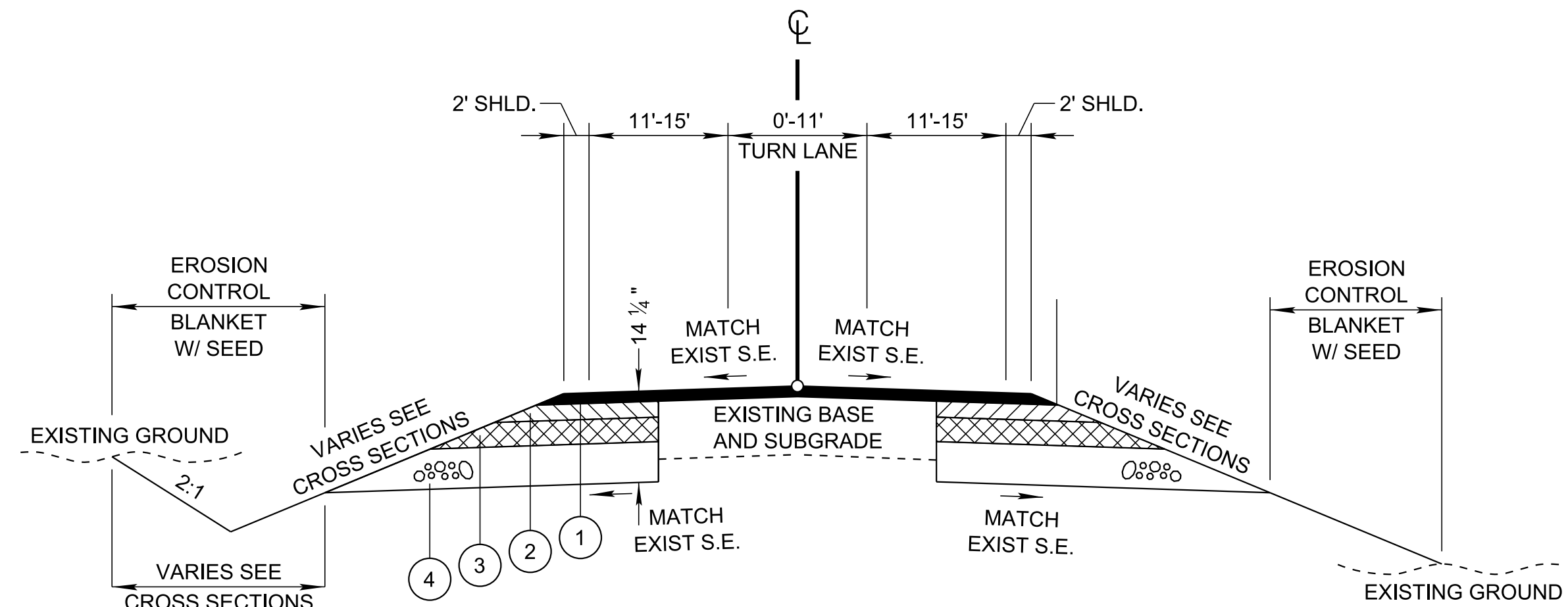


GLENN JACOBS - MAYOR
JIM SNOWDEN - SENIOR DIRECTOR OF ENGINEERING AND PUBLIC WORKS
KNOX COUNTY ENGINEERING AND PUBLIC WORKS
205 WEST BAXTER AVENUE
KNOXVILLE, TENNESSEE 37917

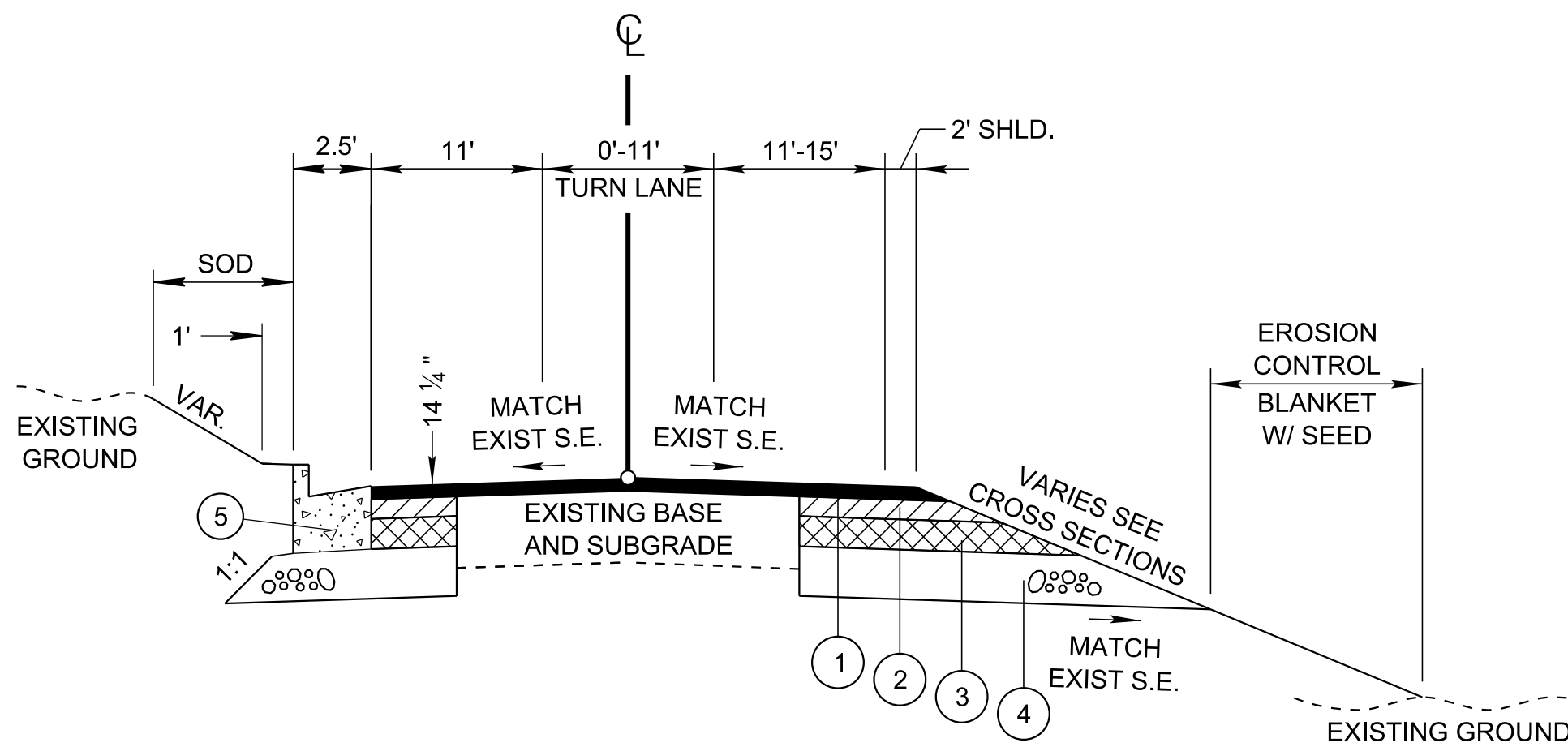
REVISIONS	DATE
CANNON & CANNON INC CONSULTING ENGINEERS · FIELD SURVEYORS TEL 865.670.8555 8550 Kingston Pike WWW.CANNON-CANNON.COM Knoxville, TN 37919	
CLIENT: KNOX COUNTY	
PROJECT: W. EMORY ROAD (S.R. 131) AT BEAVER RIDGE ROAD	
TITLE SHEET	
	CCI PROJECT NO. 00263-0103
	DATE 10-14-21
	P.M. ALC
	DRAWN SKO
	Q.C. WAS
1	



TYPICAL CROSS-SECTION OF IMPROVEMENT
WEST EMORY ROAD
WEST OF BEAVER RIDGE ROAD



TYPICAL CROSS-SECTION OF IMPROVEMENT
BEAVER RIDGE ROAD (S.R. 131)



TYPICAL CROSS-SECTION OF IMPROVEMENT
WEST EMORY ROAD (S.R. 131)
EAST OF BEAVER RIDGE ROAD

PROPOSED PAVEMENT SCHEDULE

- ① ASPHALTIC CONCRETE SURFACE (HOT MIX) @ 1 1/4" THICK
(APPROX. 132.5 LBS./SQ.YD.)
411-01.10 ASPHALT CONCRETE MIX (PG64-22) (ACS) GRADING "D"
403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) (RATE 0.07 GAL./SQ. YD.)
- ② BITUMINOUS PLANT MIX BASE (HOT MIX) @ 2" THICK
(APPROX. 226 LBS./SQ.YD.)
307-01.08 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING "B-M2"
403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) (RATE 0.07 GAL./SQ. YD.)

- ③ BITUMINOUS PLANT MIX BASE (HOT MIX) @ 3" THICK
(APPROX. 345 LBS./SQ.YD.)
307-01.01 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING "A"
402-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC) (RATE 0.35 GAL./SQ. YD.)
- ④ MINERAL AGGREGATE BASE @ 8" THICK
303-01 MINERAL AGGREGATE, TYPE "A" BASE, GRADING "D"
- ⑤ CONCRETE COMBINED CURB & GUTTER - TYPE 6-30
(D = 8") RP-VC-10
702-03 CONCRETE COMBINED CURB AND GUTTER

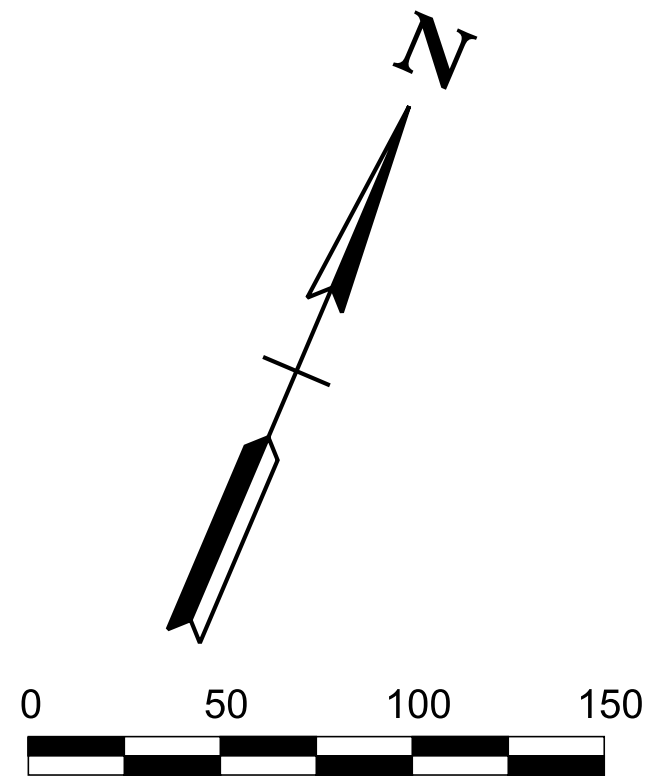
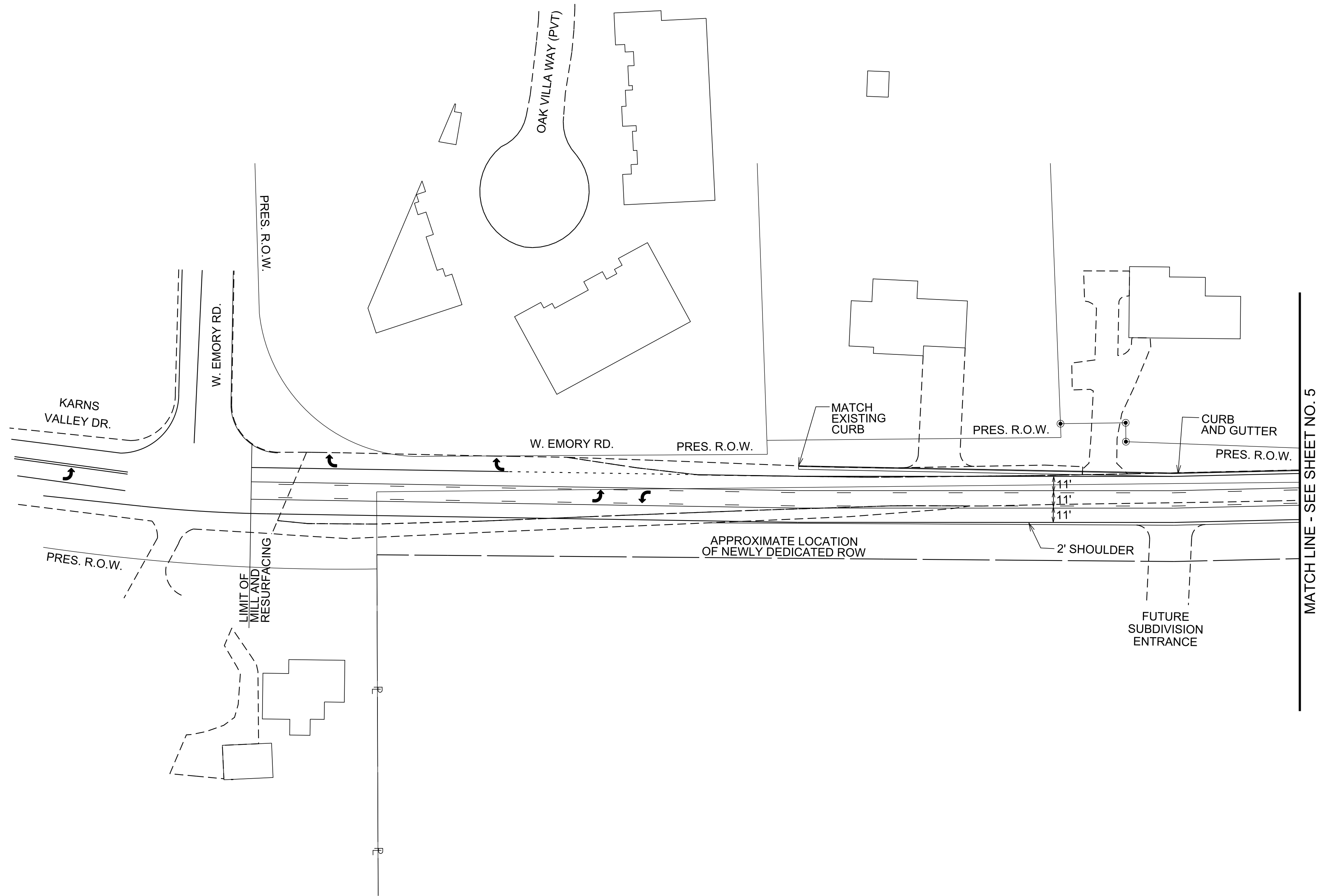
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SEE PROPOSED LAYOUT
SHEETS 4, 5 & 6 FOR
ADDITIONAL DETAIL

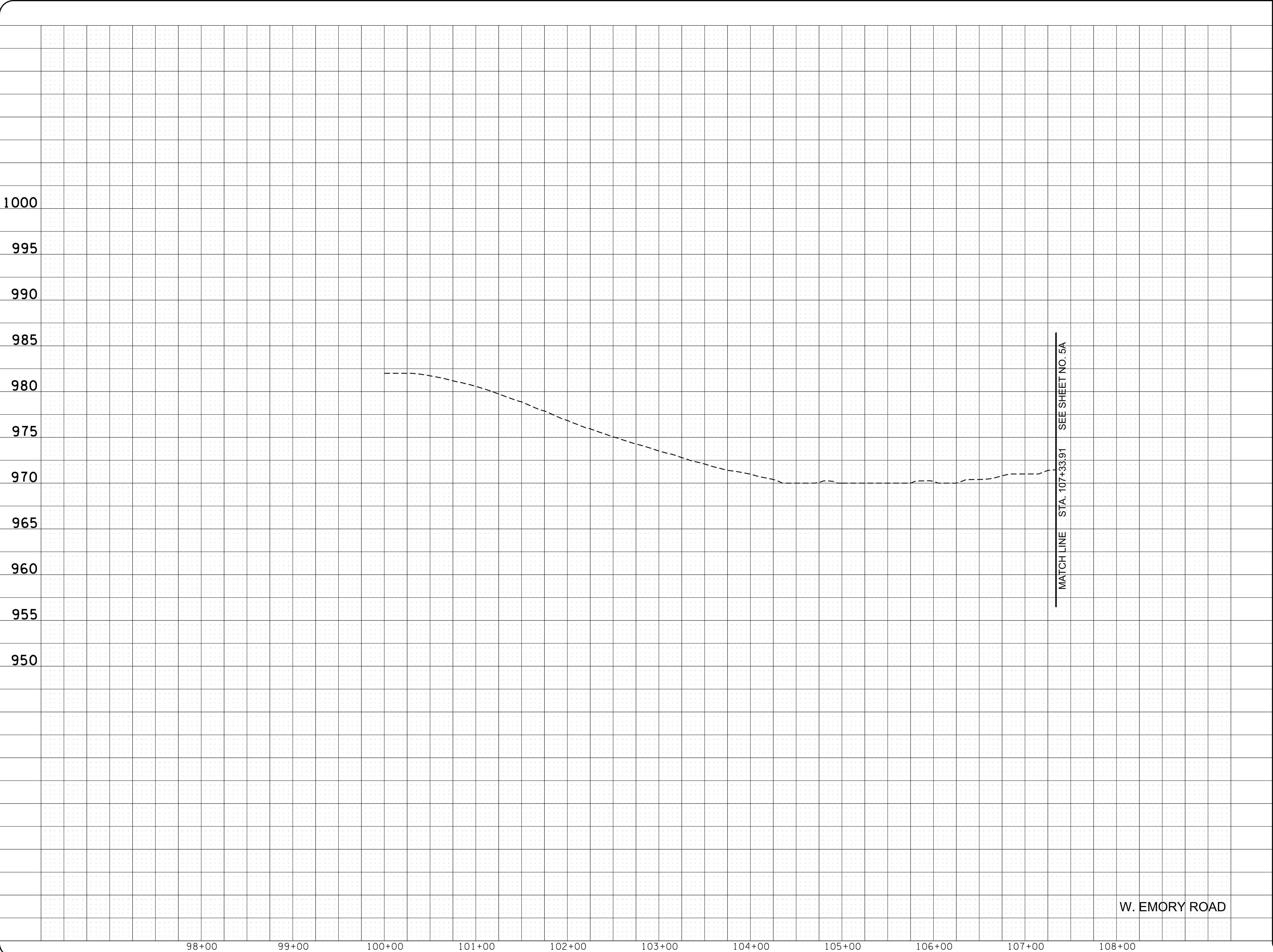
DESIGN SPEEDS:
1. W. EMORY RD. = 40MPH
2. BEAVER RIDGE RD. = 30MPH

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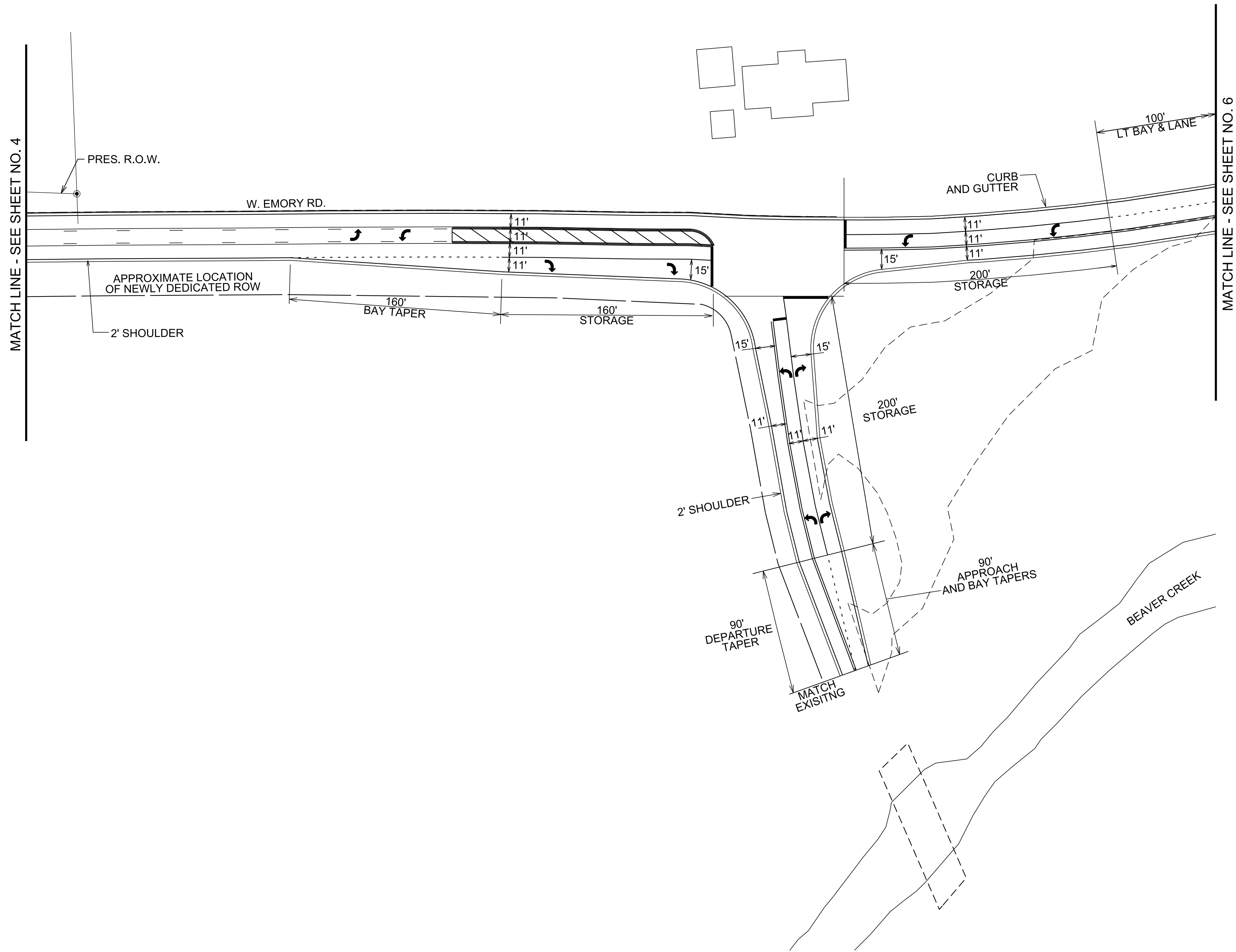
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PROPOSED LAYOUT WEST END	
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	4

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EXISTING PROFILE BASED
ON AERIAL DRONE DATA

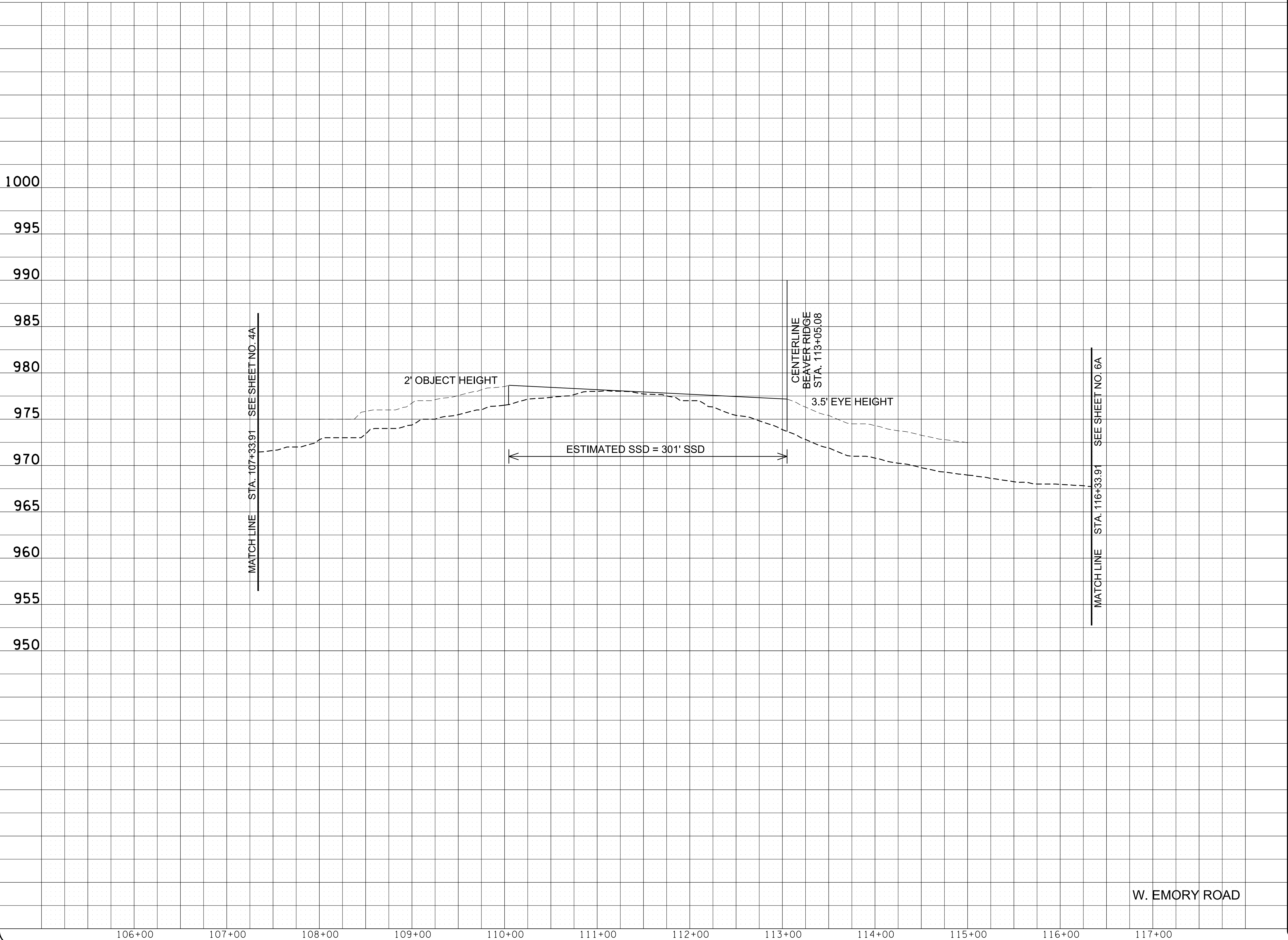
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	Q.C. WAS
4A	



RIGHT-OF-WAY NOTE:
THE PROPERTIES ON THIS SHEET WHERE NO
RIGHT-OF-WAY IS SHOWN WERE RESEARCHED
AND NO RECORDED DEEDS WERE FOUND
INDICATING PREVIOUS RIGHT-OF-WAY DEDICATION.

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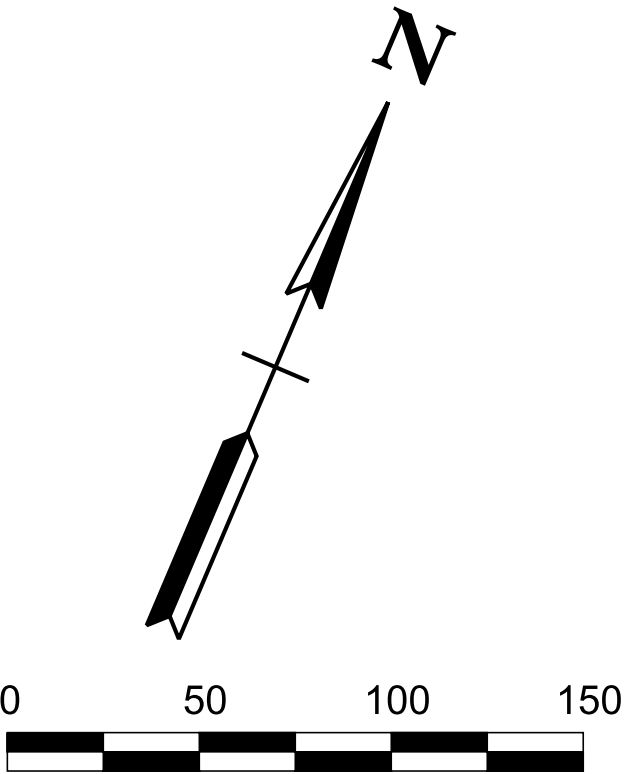
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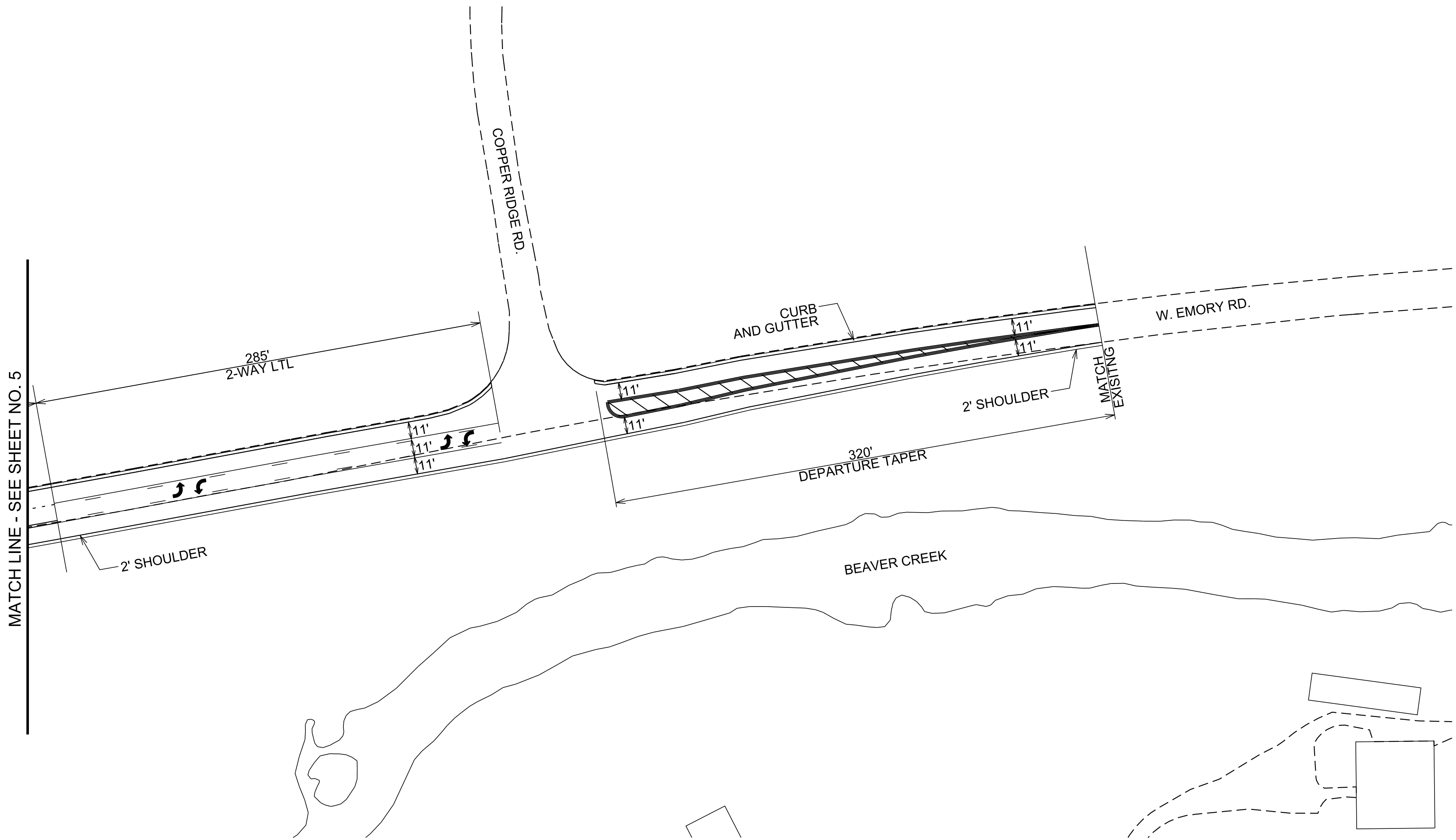
EXISTING PROFILE BASED
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STOPPING SIGHT DISTANCE (SSD)
REQUIRED FOR DESIGN SPEED
OF 40 MPH = 305 FEET

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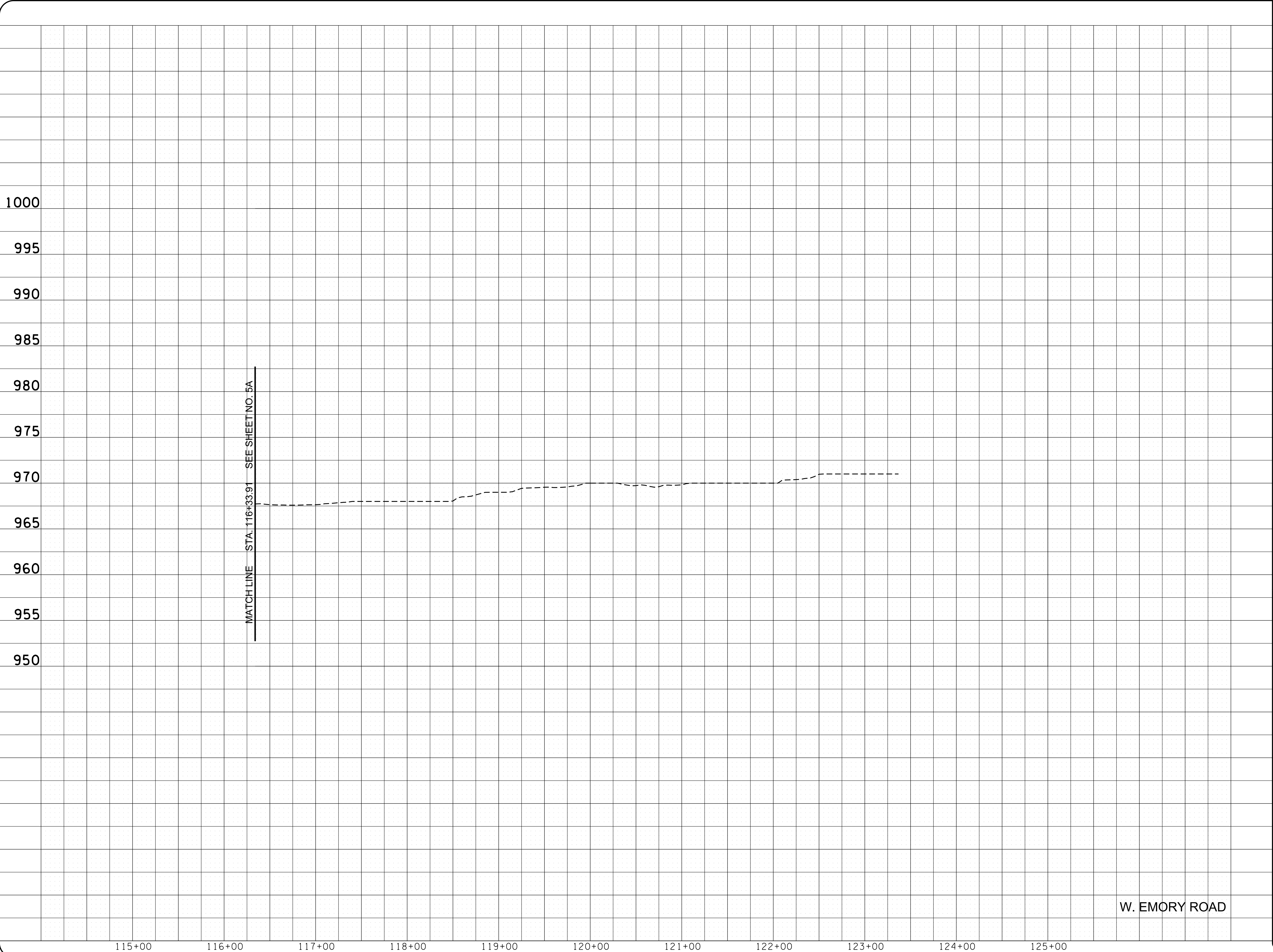


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EXISTING PROFILE BASED
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W. EMORY ROAD