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# EMMET COUNTY ROAD COMMISSION

LITTLE TRAVERSE BAY BANDS OF ODAWA INDIANS IN COOPERATION WITH

THROUGH THE

FEDERAL HIGHWAY ADMINISTRATION BUREAU OF INDIAN AFFAIRS

PLANS OF PROPOSED ROAD IMPROVEMENTS E.C.R.C. PROJECT NUMBER: A459.4131

**COMMERCIAL %:** 

514 7% 60 m.p.h. 55 m.p.h.

929 7%

2044

TRAFFIC DATA

STATUTORY SPEED: DESIGN SPEED:

## ROBINSON ROAD

The following items shall be constructed in accordance with the referenced standard

STANDARD PLANS

ROAD STANDARD PLANS

MONUMENT BOXES

R - 11 - E R - 60 - J\* R - 62 - H\* R - 66 - E\* R - 74 - D R - 82 - D

GUARDRAIL TYPES A, B, BD, T, TD, MGS-8, & MGS-8D GUARDRAIL APPROACH TERMINAL 2M GUARDRAIL DEPARTING TERMINALS TYPES B, T & MGS BUMPER & PARKING RAILS AND MISC. WOOD POSTS BEDDING AND FILLING AROUND PIPE CULVERTS

R - 96 - E - 100 - I\*

SUPERELEVATION AND PAVEMENT CROWNS GUARDRAIL AT INTERSECTIONS

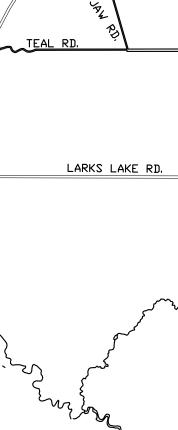
SPECIAL DETAILS

SEEDING AND TREE PLANTING GRADING CROSS-SECTIONS

SOIL EROSION & SEDIMENTATION CONTROL MEASURES

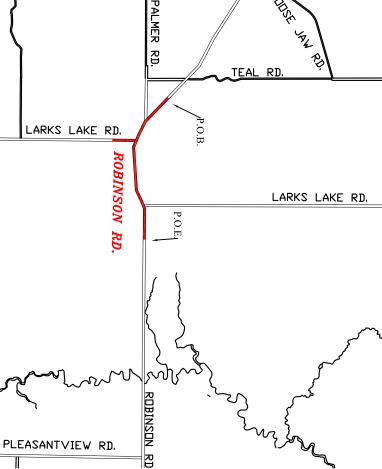
SECTIONS 4 & 5, T36N, R5W, PLEASANTVIEW TOWNSHIP SECTIONS 32 & 33, T37N, R5W, CENTER TOWNSHIP EMMET COUNTY, MICHIGAN





TRAFFIC AND SAFETY STANDARD PLANS
WZD - 100 - A GROUND DRIVEN SIGN SUPPORTS FOR TEMP SIGNS
WZD - 125 - E TEMPORARY TRAFFIC CONTROL DEVICES

SPECIFICATIONS



contract Special Provisions and the 2011 Michigan Manual of Uniform Traffic Control

Traffic will be maintained by the Contractor during construction, in accordance with

project file.

Guidelines for Geometrics (3R), dated August 28, 2008. Exceptions are noted in the accordance with the Michigan Department of Transportation Local Agency Programs The proposed improvements covered by these plans have been prepared in

Construction as amended by Supplemental Specifications and Special Provisions. Michigan Department of Transportation 2020 Standard Specifications for

The improvements covered by these plans shall be done in accordance with the

Shoulder drainage Road Obiliteration, Curve Relocation, Excavation, Embankment, Culverts and other CONTR **\ACT FOR:** 1.52 miles of Trenching, HMA Base Crushing and Shaping, Gravel, Pavement Markings, Traffic Control and Restoration efforts. improvements, Aggregate Base, HMA Paving, Guardrail Upgrades,

SHANK, P.E. · ENGINEER MANAGER RATION NUMBER: 6201049830 ROBERT SHANK
SHANK TE OF MICHOS

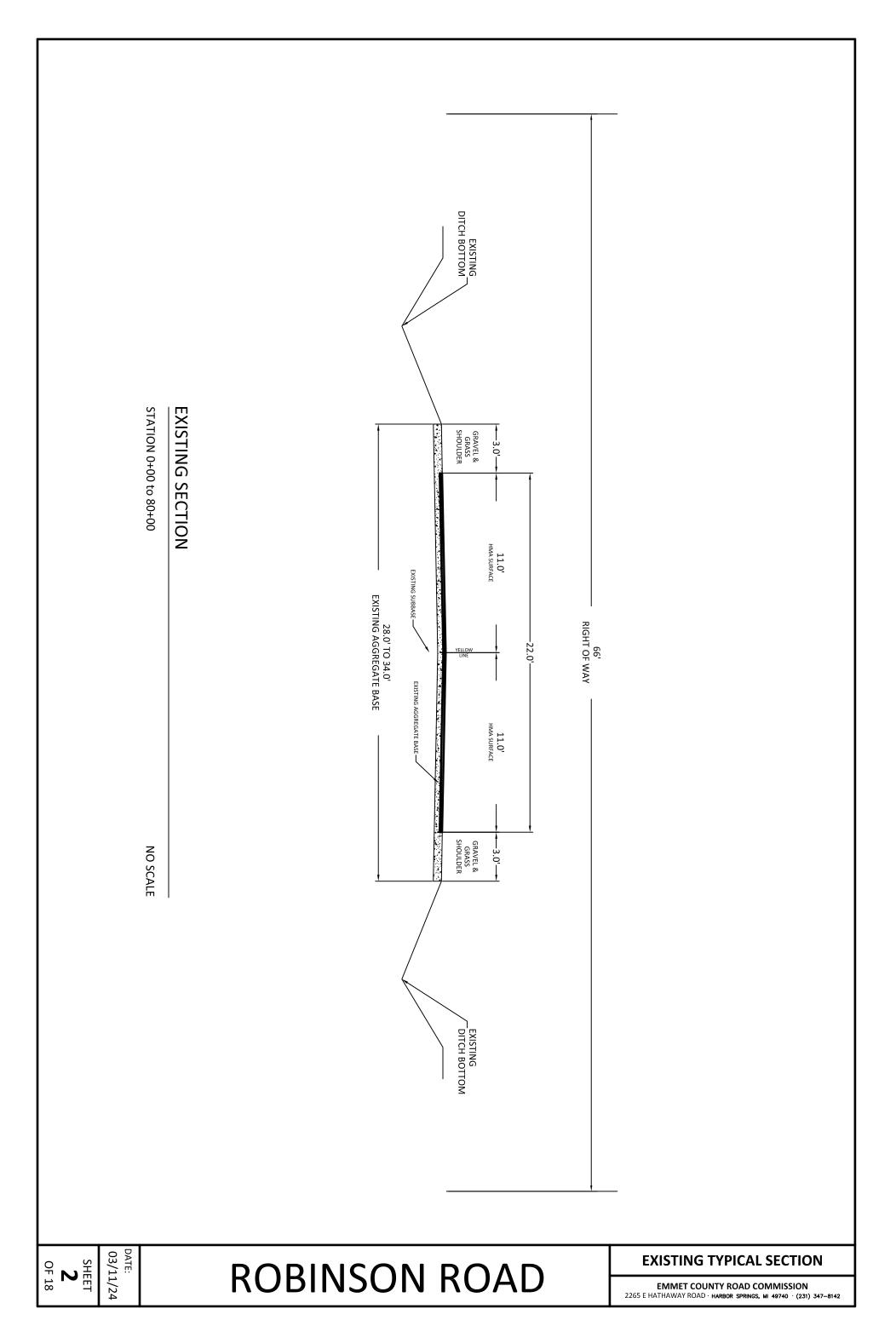
## EMMET COUNTY ROAD COMMISSION

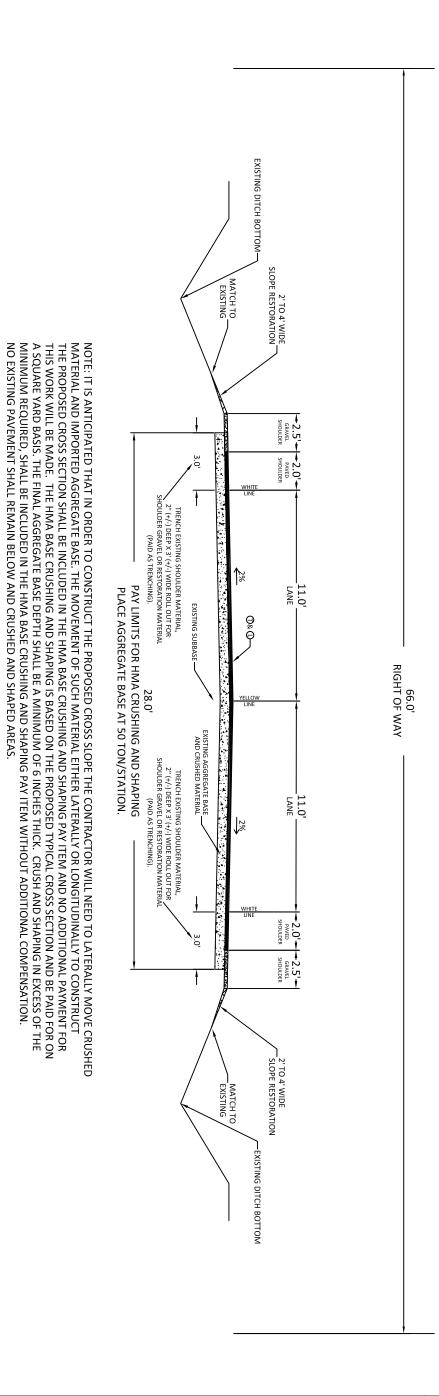
REGISTI BRENTS

2265 E HATHAWAY ROAD · HARBOR SPRINGS, MI 49740 · (231) 347-8142

OF 18

SHEET





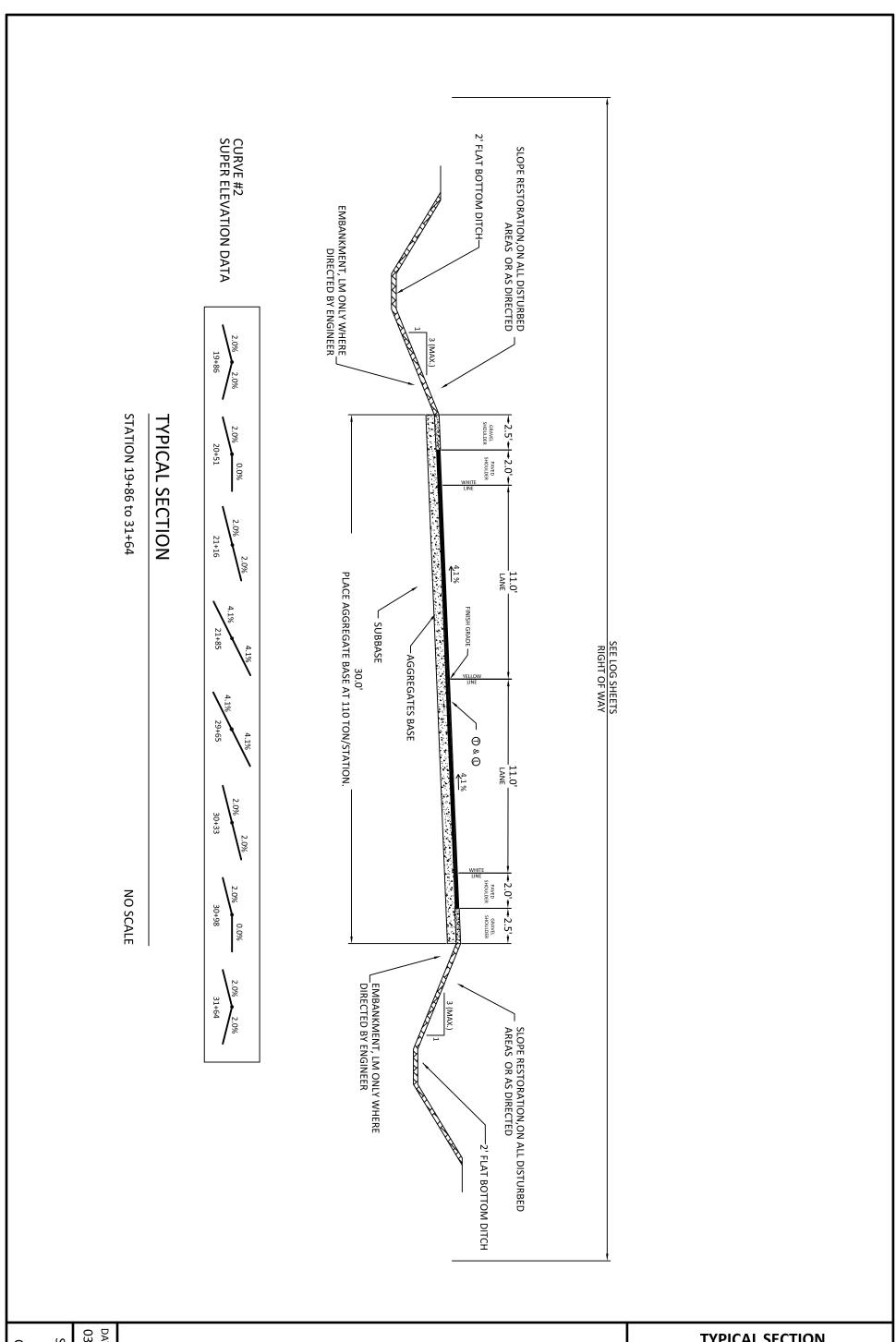
NOTE: MATCH EXISTING SUPER ELEVATION RATE IN CURVE AREAS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER

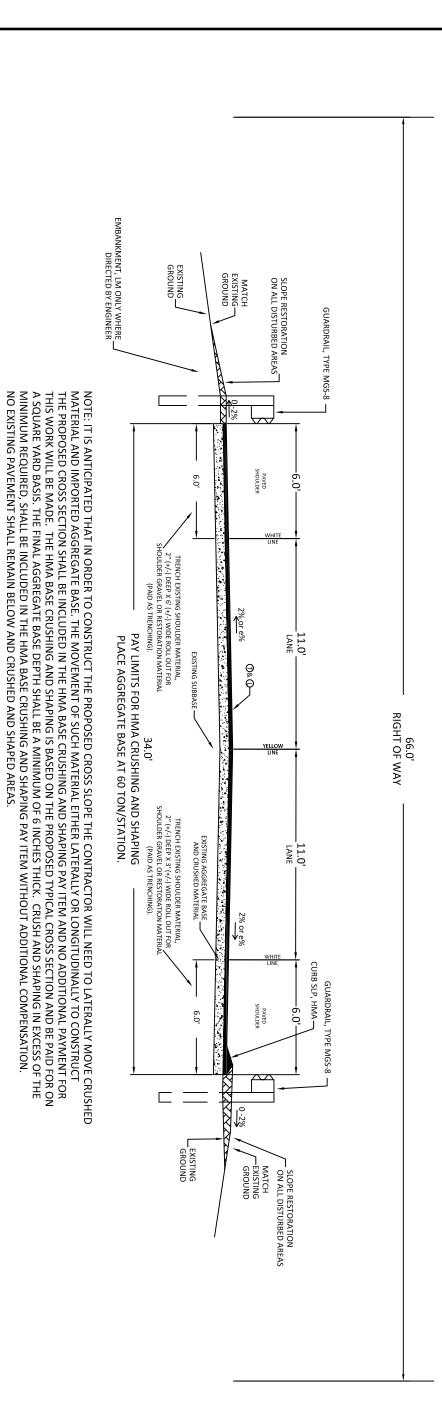
STATIONS: 0+00 to 19+86

**NO SCALE** 

31+64 to 36+04 76+00 to 80+00 TYPICAL SECTION

SHEET SHEET





NOTE:MATCH EXISTING SUPER ELEVATION RATE IN CURVE AREAS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER

### TYPICAL SECTION

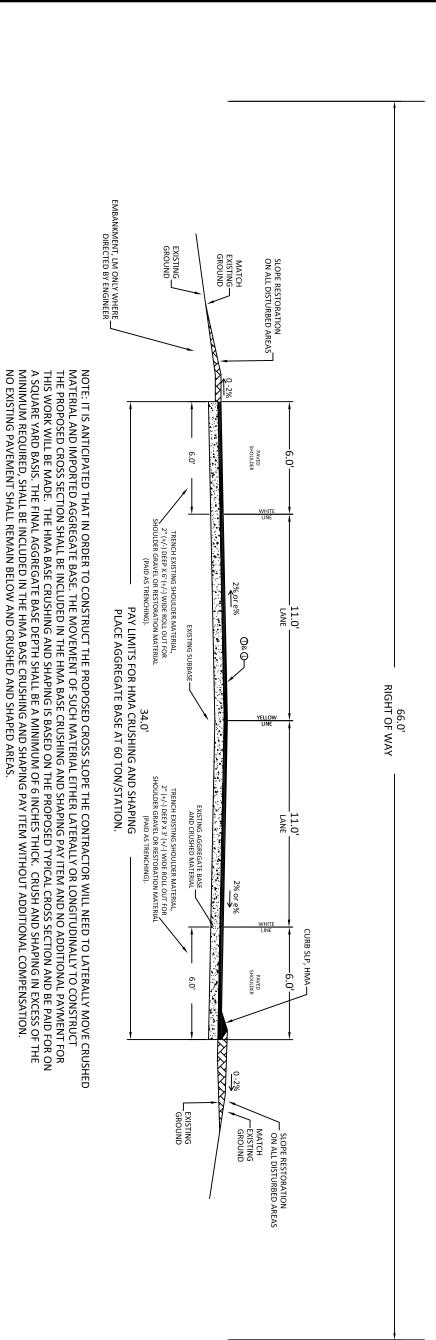
STATION 36+04 TO 53+00

NO SCALE

03/11/: SHEET **5** 

**ROBINSON ROAD** 

**TYPICAL SECTION** 



NOTE:MATCH EXISTING SUPER ELEVATION RATE IN CURVE AREAS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER

STATION 53+00 to 76+00

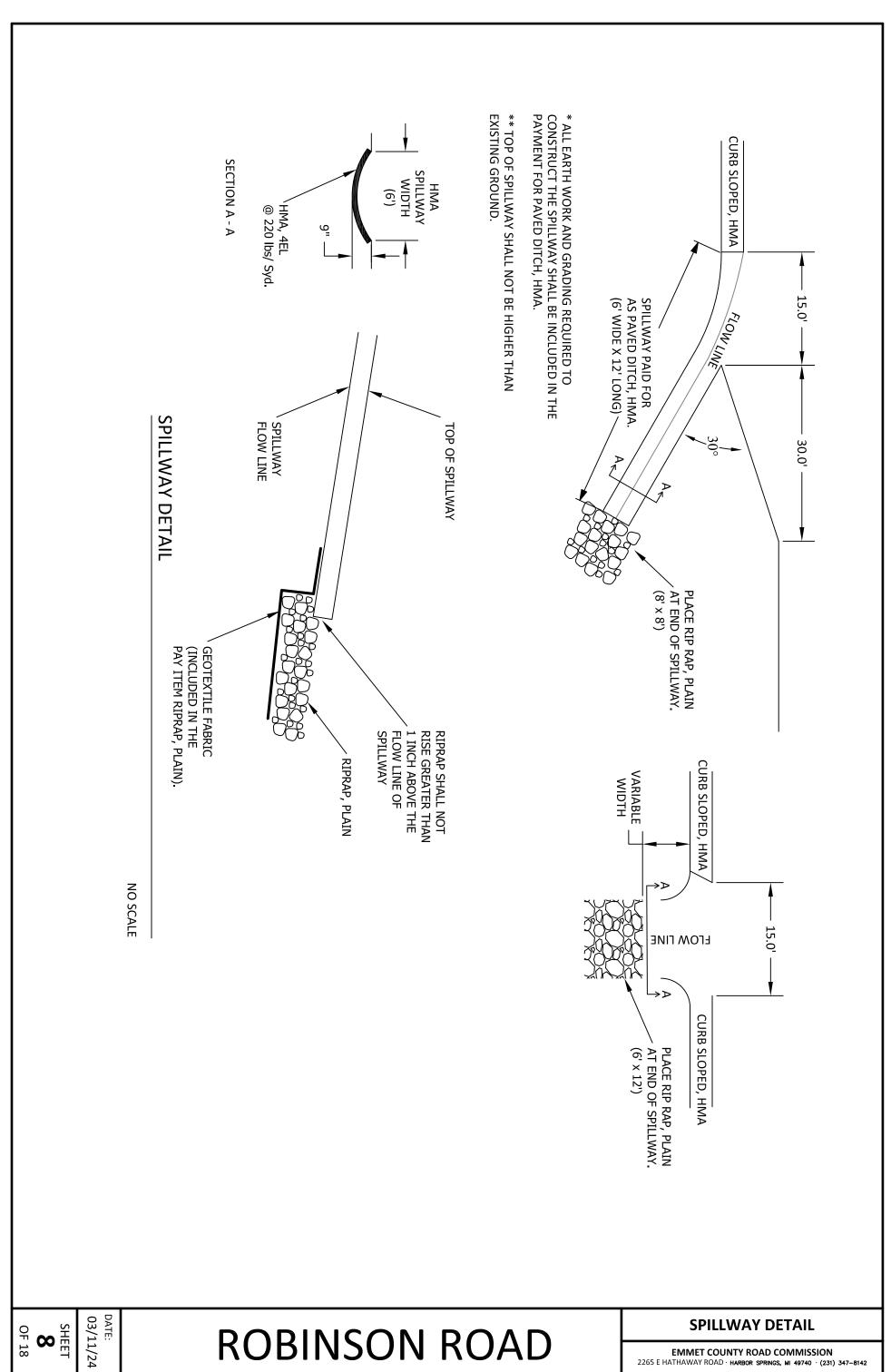
**NO SCALE** 

TYPICAL SECTION

03/11/2 SHEET **6** OF 18

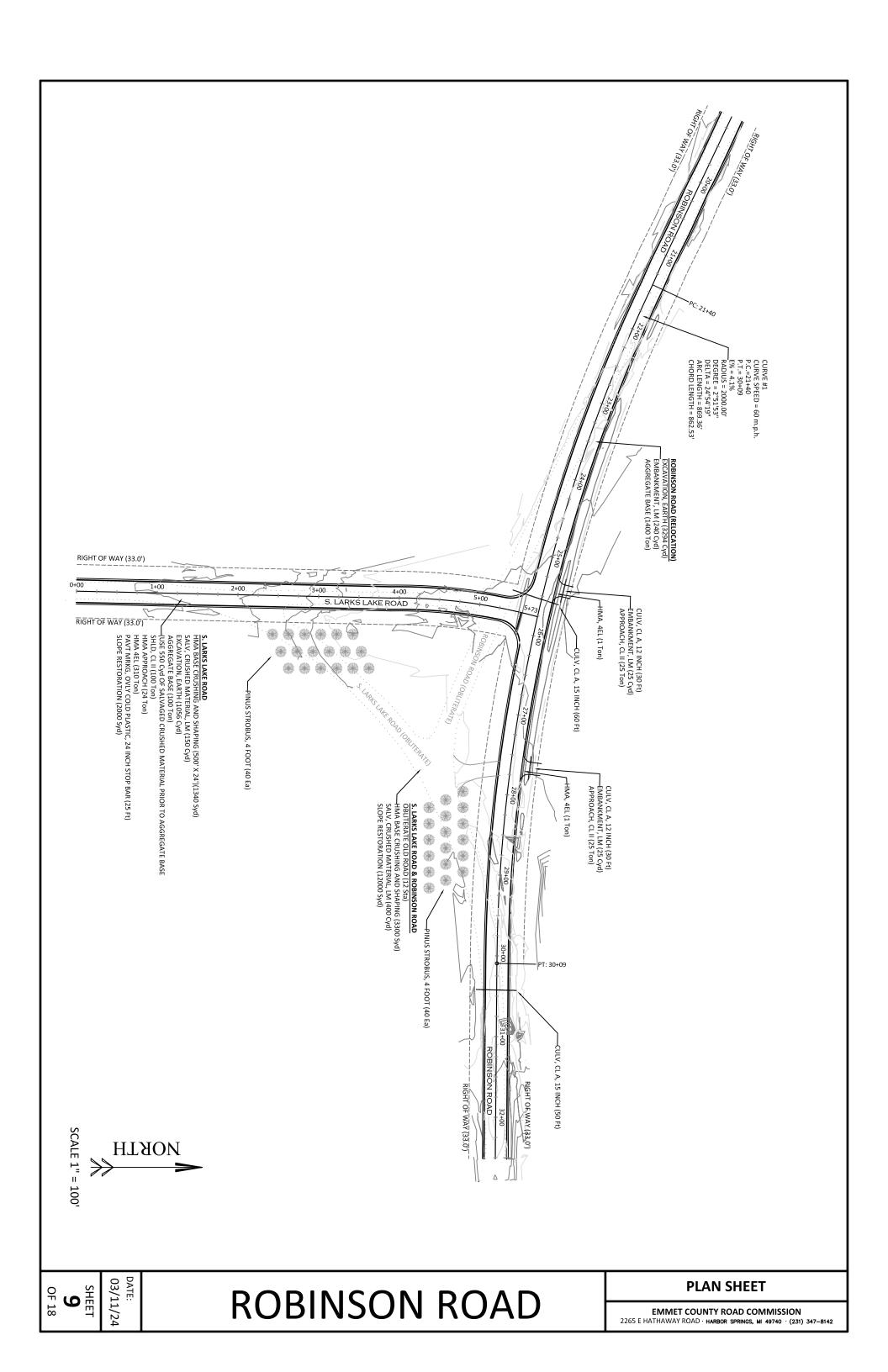
#### POST, MAILBOX OF PAVED ROAD GRASS SHOULDER GRASS SHOULDER RIGHT OF WAY PAVED DRIVEWAY w/ MAILBOX **GRAVEL DRIVEWAY w/ MAILBOX** 30.0 6' TO 10' ⊚ (D) (D) & (C) MATCH TO EXISTING WIDTH MATCH TO EXISTING WIDTH R10.0 NOT TO SCALE NOT TO SCALE SHOULDER, CL II **-** 2.0' CENTERLINE OF PAVED ROAD PAVED LANE **GRAVEL DRIVEWAY** CENTERLINE OF PAVED ROAD PAVED DRIVEWAY PAVED LANE RIGHT OF WAY ⊚ MATCH TO EXISTING WIDTH NOT TO SCALE NOT TO SCALE R10.0' 2.0'

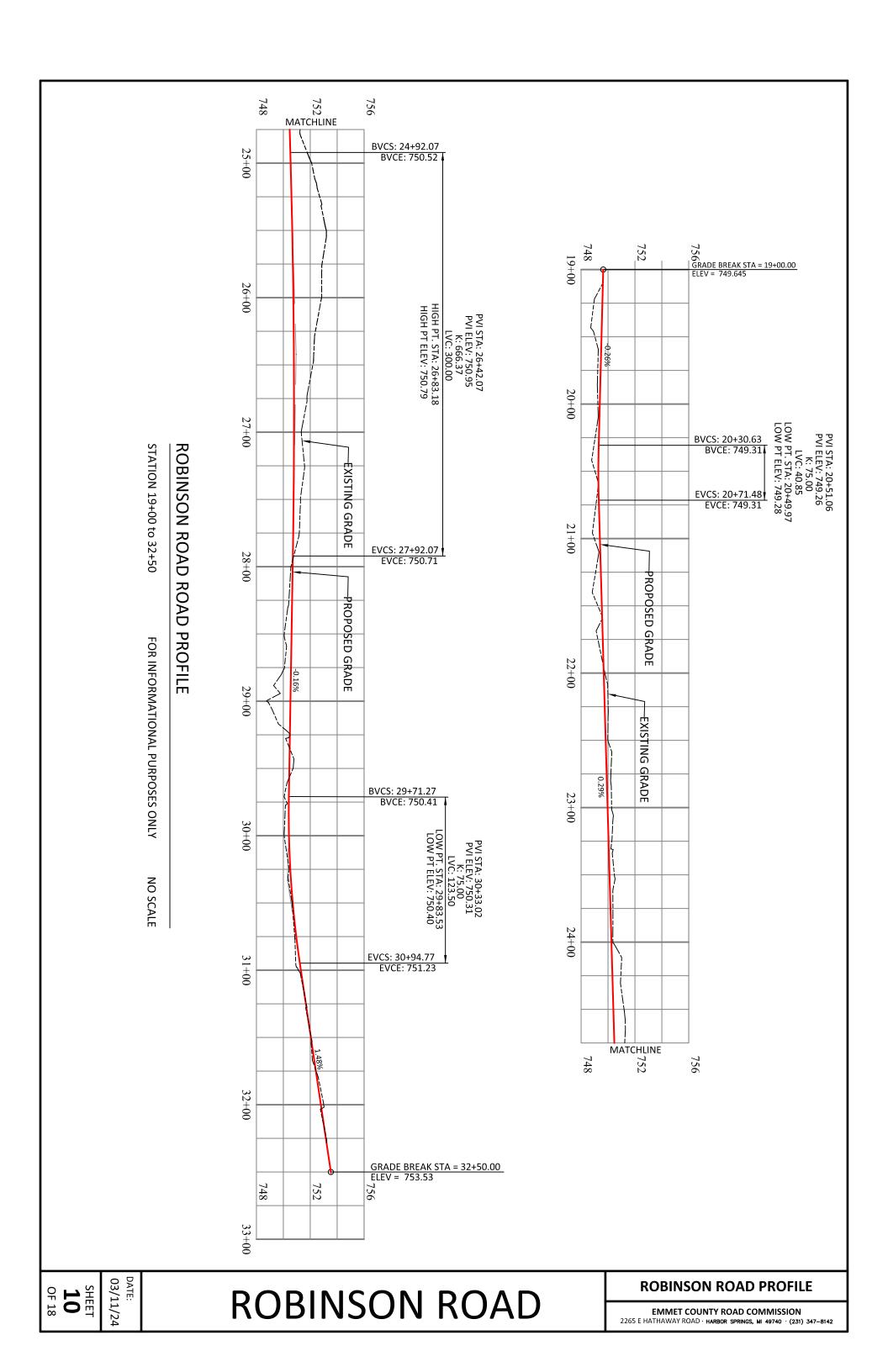
SHEET
7
OF 18

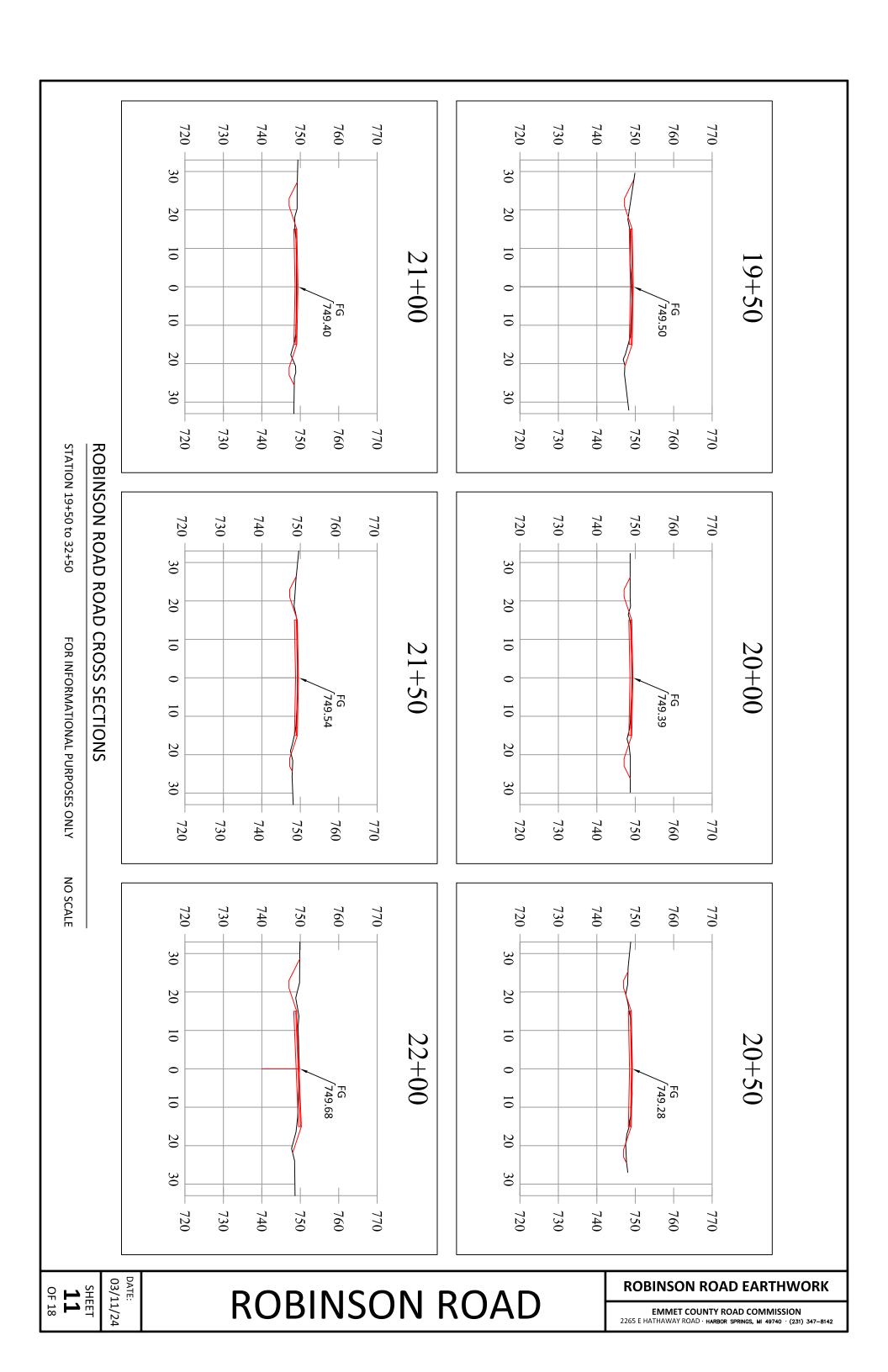


SHEET

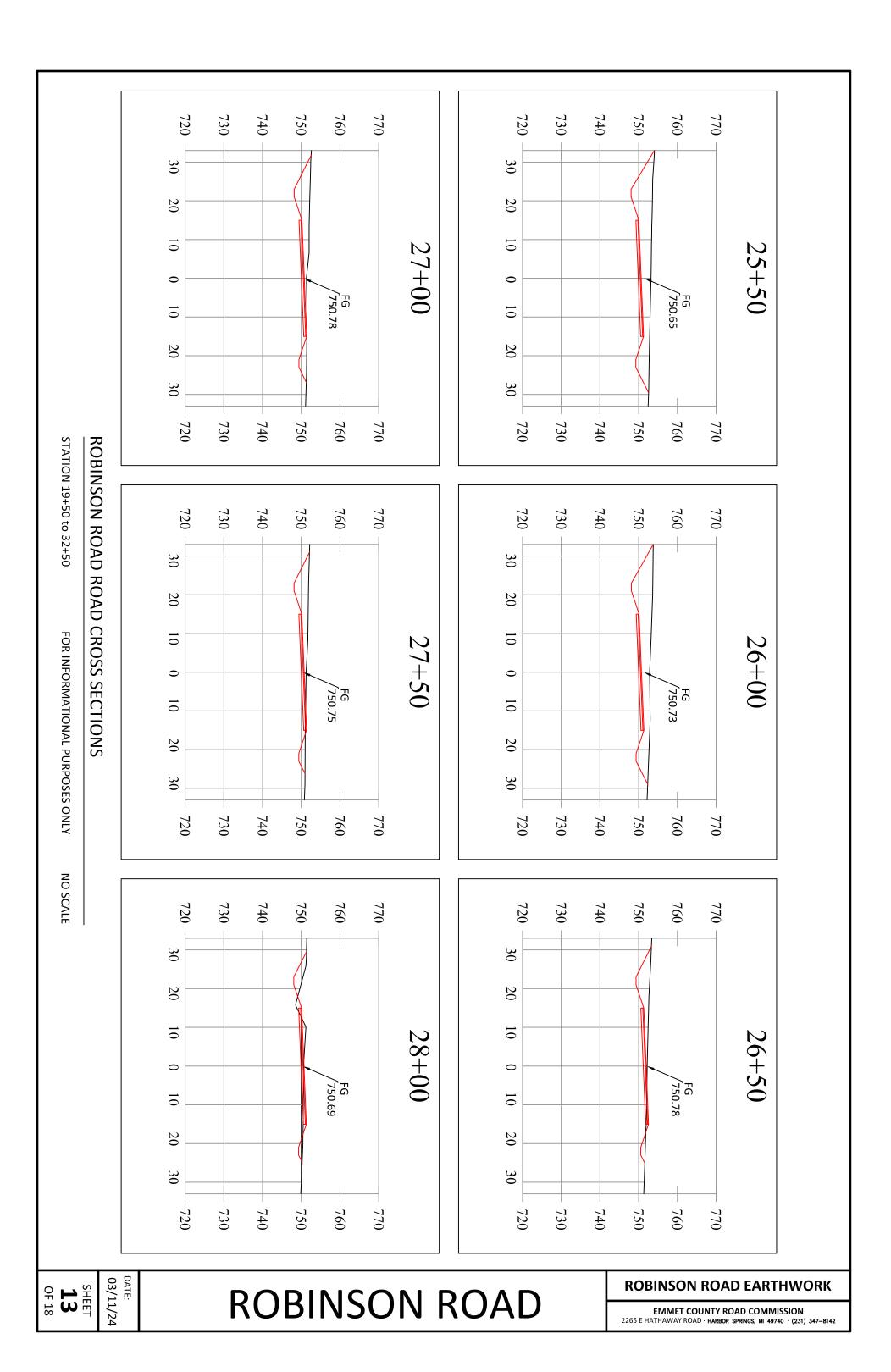
OF 18

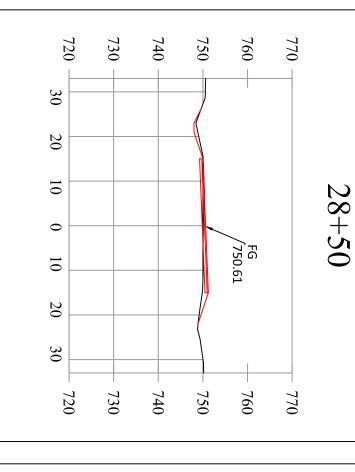


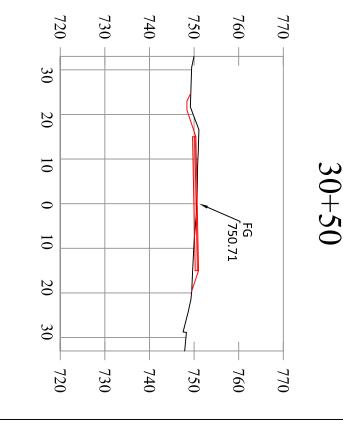


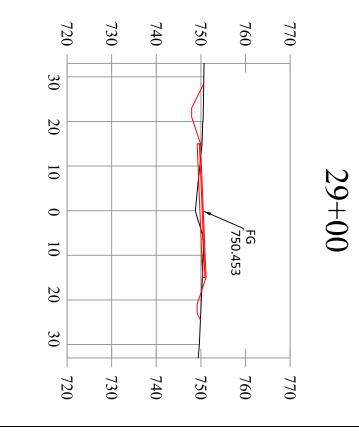


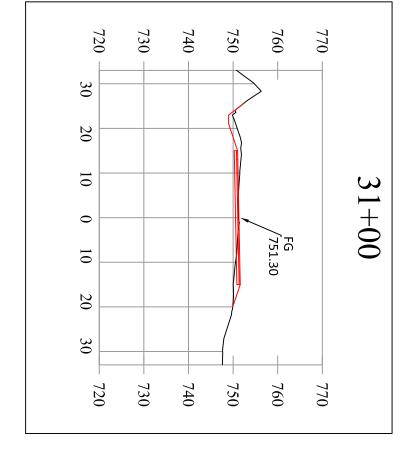
**EMMET COUNTY ROAD COMMISSION**  $2265~E~HATHAWAY~ROAD\cdot$  Harbor springs, Mi 49740  $\cdot$  (231) 347–8142

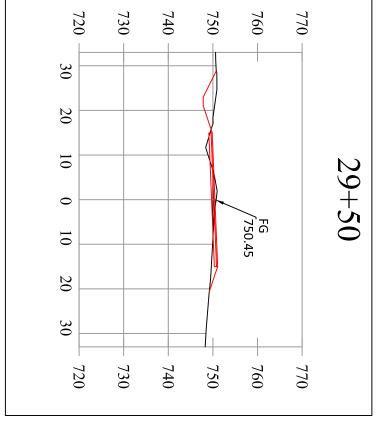












NO SCALE

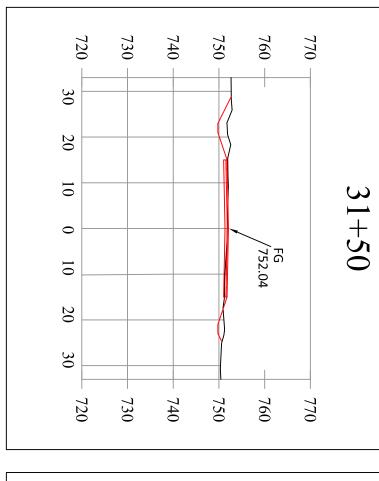
FOR INFORMATIONAL PURPOSES ONLY

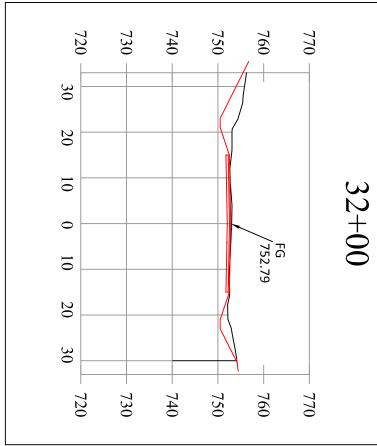
SHEET **14**OF 18

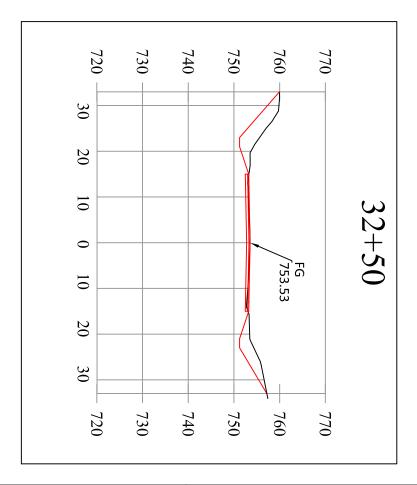
**ROBINSON ROAD** 

**ROBINSON ROAD EARTHWORK** 

**EMMET COUNTY ROAD COMMISSION**  $2265~E~HATHAWAY~ROAD\cdot$  Harbor springs, Mi 49740  $\cdot$  (231) 347–8142







# **ROBINSON ROAD ROAD CROSS SECTIONS**

STATION 19+50 to 32+50

FOR INFORMATIONAL PURPOSES ONLY

NO SCALE

DATE: 03/11/24 SHEET **15** OF 18

**ROBINSON ROAD** 

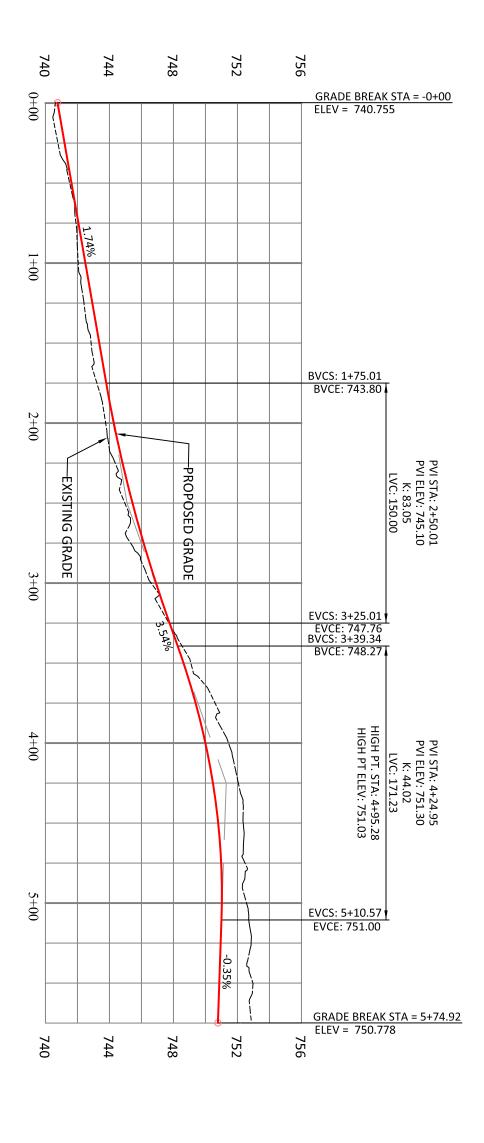
**ROBINSON ROAD EARTHWORK** 

**EMMET COUNTY ROAD COMMISSION**  $2265~E~HATHAWAY~ROAD\cdot$  Harbor springs, Mi 49740  $\cdot$  (231) 347–8142 LARKS LAKE ROAD ROAD PROFILE

FOR INFORMATIONAL PURPOSES ONLY

STATION 0+00 to 5+74

NO SCALE



03/11/ SHEE **16** 

