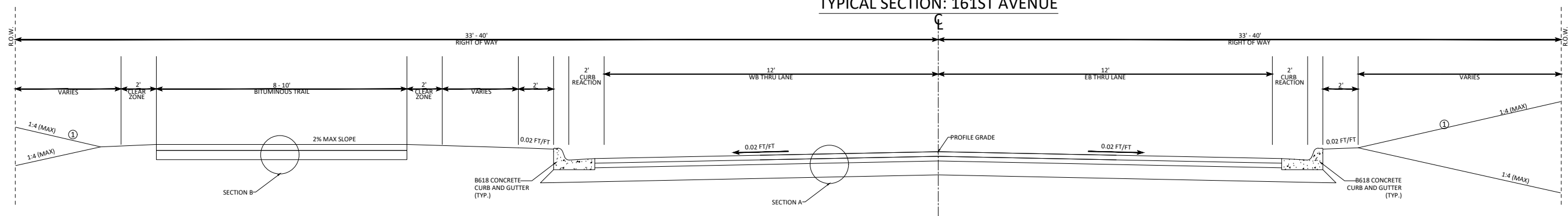
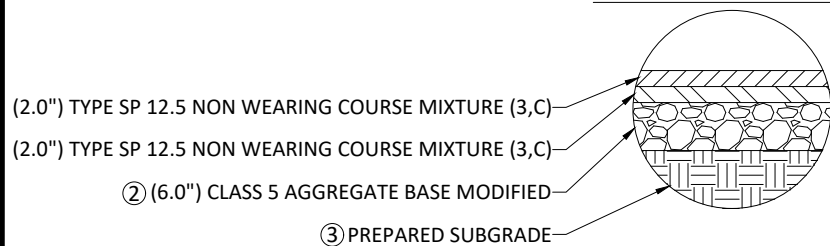


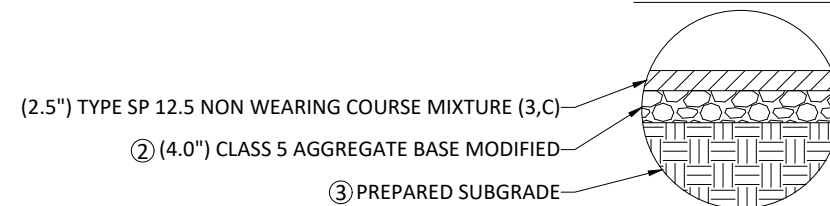
TYPICAL SECTION: 161ST AVENUE



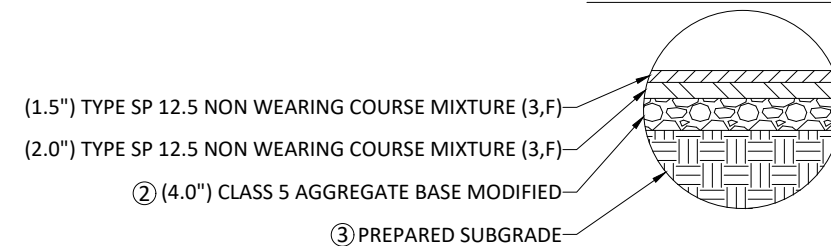
SECTION A: ROADWAY



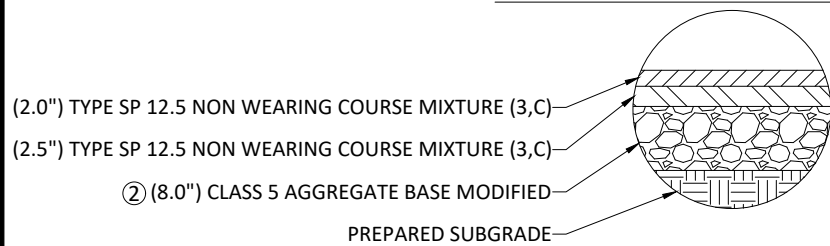
SECTION B: TRAIL



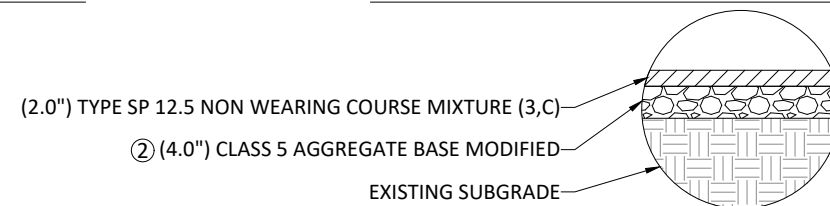
SECTION C: PARKING LOT



SECTION D: COMMERCIAL DRIVEWAYS



SECTION E: ESTIMATED RESIDENTIAL DRIVEWAY MATCH-INS



REFERENCE NOTES:

- ① GRADE TO MATCH EXISTING GROUND. ESTABLISH TURF USING A MINIMUM OF 4" TOPSOIL AND HYDROSEED WITH MNDOT SEED MIXTURE 25-151. SEE CITY DETAIL ERO-6 FOR TOPSOIL REQUIREMENTS.
- ② MODIFY CLASS 5 AGGREGATE BASE PER CITY STANDARD DETAIL STR-26. SEE SHEET 09. RECYCLED RECLAMATION MATERIAL MEETING STR-26 MAY BE USED AS AGGREGATE BASE.
- ③ CONTRACTOR SHALL SCARIFY AND COMPACT, ACCORDING TO THE SPECIFIED DENSITY METHOD, THE TOP 12 INCHES OF MATERIAL PRIOR TO PLACING CLASS 5 AGGREGATE BASE. THIS PROCESS SHALL BE INCIDENTAL TO THE SUBGRADE PREPARATION PAY ITEM.

PAVEMENT DESIGN:  
 S.A.P. 199-123-001  
 20 YR DESIGN LANE BESALS: 193,000  
 DESIGN R-VALUE: 50

MINIMUM REQUIRED  
 MINIMUM BIT (GE) 7.88  
 MIN. AGG. BASE (GE) 3.34  
 TOTAL REQUIRED GE 11.22

PROPOSED DESIGN  
 WEARING COURSE (2.0") 4.50  
 NON-WEAR COURSE (2.0") 4.50  
 AGG. BASE CLASS 5 (6.0") 6.00  
 TOTAL DESIGN GE 15.00

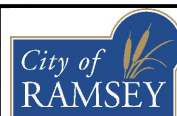
DATE	REVISION

I hereby certify that this plan, specification, or report 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.

*Joe Feriancek*  
 JOE FERIANCEK  
 Date 3/01/23 Lic. No. 57095

DESIGNED BY: JJF  
 DRAWN BY: JJF  
 CHECKED BY: JJF

DATE: 2/28/23  
 FILE: 23-01



CITY OF RAMSEY  
 7550 SUNWOOD DRIVE  
 RAMSEY, MN 55303  
 (763) 427-1410 FAX (763) 433-9898

TYPICAL SECTIONS  
 S.A.P. 199-123-001

161ST AVENUE RECONSTRUCTION  
 CITY PROJECT NO. 23-01  
 CITY OF RAMSEY, MINNESOTA