

ITEM NO.	ITEM	UNIT	MUN.	RURAL	TOTAL ESTIMATED QUANTITY
2021.501	MOBILIZATION	LUMP SUM	1.00		1.00
2051.501	MAINTENANCE & RESTORATION OF HAUL ROADS	LUMP SUM	1.00		1.00
1 2104.501	REMOVE CURB AND GUTTER	LIN FT	200.00		200.00
2 2221.501	SHOULDER BASE AGGREGATE CLASS 5 MOD	TON	705.00		705.00
3 2232.501	MILL BITUMINOUS SURFACE (0.75")	SQ YD	11,915.00		11,915.00
4 2232.501	MILL BITUMINOUS SURFACE (3.00")	SQ YD	100.00		100.00
2360.501	TYPE SP4.75 WEAR COURSE MIXTURE (3,B)	TON	520.00		520.00
5 2360.501	TYPE SP12.5 WEAR COURSE MIXTURE (3,B)	TON	715.00		715.00
2504.602	ADJUST GATE VALVE	EACH	7.00		7.00
2506.522	ADJUST FRAME AND RING CASTING	EACH	10.00		10.00
1 2531.501	CONCRETE CURB AND GUTTER DESIGN B618	LIN FT	200.00		200.00
2563.601	TRAFFIC CONTROL	LUMP SUM	1.00		1.00
6 2582.501	PAVEMENT MESSAGE PAINT	SQ FT	22.00		22.00
2582.502	24" STOP LINE PAINT	LIN FT	14.00		14.00
7 2582.502	4" SOLID LINE PAINT	LIN FT	11,050.00		11,050.00
8 2582.502	6" SOLID LINE PAINT	LIN FT	5,700.00		5,700.00
2582.503	CROSSWALK PAINT	SQ FT	900.00		900.00

CONSTRUCTION NOTES

- 3 LOCATIONS BETWEEN STA. 0+50.00 TO STA. 29+71.00
- INCLUDES 20 TONS EACH AT 4 FIELD ENTRANCES.
- MILL FROM STA. 0+50.00 TO STA. 32+30.00 (ENTIRE WIDTH). TOTAL QUANTITY INCLUDED CROSS STREETS AND PARKING AREAS.
- AS DIRECTED BY THE ENGINEER.
- 30' SAFETY EDGE SHALL BE INCLUDED. BITUMINOUS SAFETY EDGE SHALL EXTEND AT A 30' ANGLE FROM THE TOP OF EACH COURSE. BITUMINOUS TACK COAT SHALL BE INCLUDED IN THE TOTAL BID PRICE.
- ACCESSIBLE PARKING SYMBOL FOR 6 SPACES.
- YELLOW CENTER LINE PAINT QUANTITY INCLUDES SOLID AND BROKEN LINES. BROKEN LINES 10' PAINT AND 40' SKIP. CENTERLINES SHALL BE DOUBLE YELLOW FROM STA. 0+50.00 TO STA. 32+30.00 AND BROKEN YELLOW FROM STA. 32+30.00 TO STA. 68+78.00. TOTAL INCLUDES 9,125 L.F. YELLOW PAINT FOR NO PARKING ZONES, BUS LOADING ZONE (STA. 20+00.00 TO STA. 22+05.00) AND CENTERLINES. WHITE 4" LINE PAINT TOTAL = 1,925' FOR PARKING STALLS.
- WHITE EDGE LINE PAINT.

BASIS FOR ESTIMATED QUANTITIES

WEAR COURSE MIXTURE

BITUMINOUS MATERIAL FOR MIXTURE (MAXIMUM DENSITY)
110LBS./SQ.YD./INCH OF DEPTH

TACK COAT

BITUMINOUS MATERIAL FOR TACK COAT .05 GALS. PER SQ.YD.

SHOULDER BASE AGGREGATE CL 5 MOD

140 LBS./C.Y.

STANDARD PLATES AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION SHALL APPLY ON THIS PROJECT.

STANDARD PLATES

PLATE NO.	DESCRIPTION
8000 J	CHANNELIZERS
9000 E	APPROACHES AND ENTRANCES

CERTIFIED BY:



LIC. NO. 50428

LICENSED PROFESSIONAL ENGINEER

STATE AID PROJECT 042-610-041

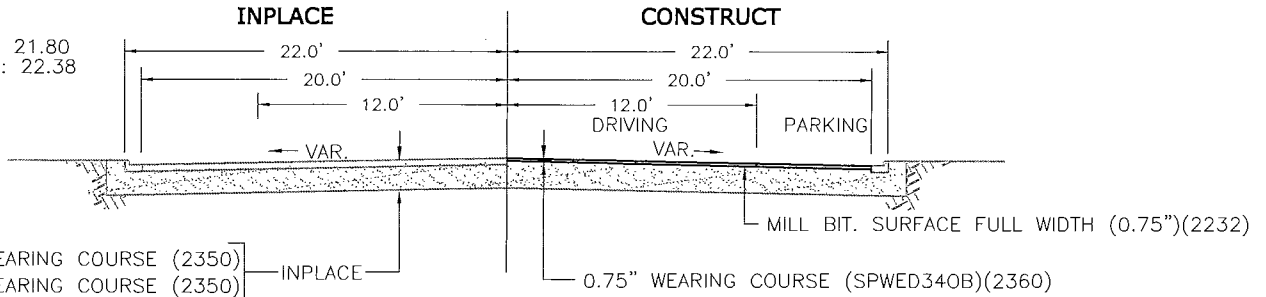
SHEET 2 OF 6 SHEETS

TYPICAL SECTION

SEG. 1 - STA. 0+50.00 TO STA. 21+55.00

GRANULAR EQUIVALENT
10 TON
R VALUE: 10
ESAL'S: 167,00
REQUIRED G.E.: 21.80
G.E. ON PLANS: 22.38

NOT TO SCALE



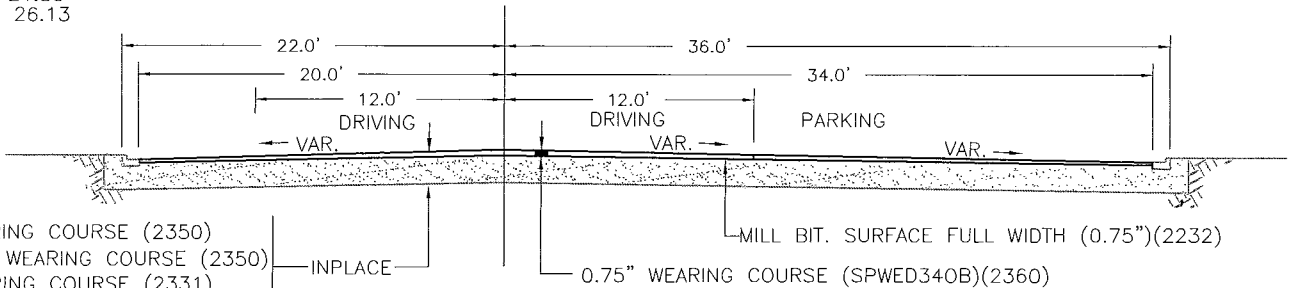
- 1.75" BIT. WEARING COURSE (2350)
 - 1.75" BIT. NON WEARING COURSE (2350)
 - 2.00" BIT. WEARING COURSE (2331)
 - 1.00" BIT. ROAD MIX (2321)
 - 3.00" AGG. BASE CL. 5A (2221)
 - 8.00" AGG. BASE CL. 4 (2221)
- EXISTING G.E. = 22.38

TYPICAL SECTION

SEG. 1 - STA. 21+55.00 TO STA. 26+58.00

GRANULAR EQUIVALENT
10 TON
R VALUE: 10
ESAL'S: 167,000
REQUIRED G.E.: 21.80
G.E. ON PLANS: 26.13

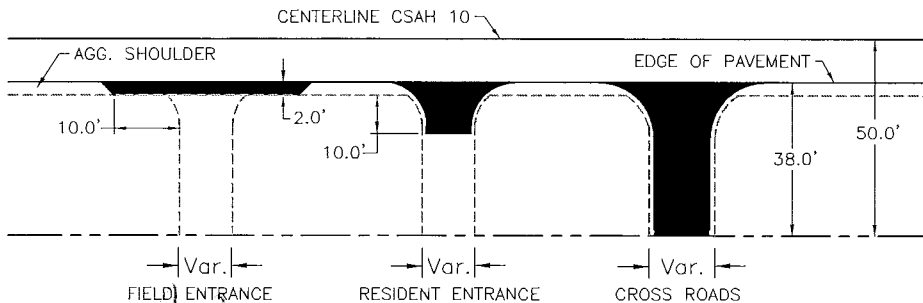
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- 1.75" BIT. WEARING COURSE (2350)
 - 1.75" BIT. NON WEARING COURSE (2350)
 - 1.50" BIT. WEARING COURSE (2331)
 - 2.00" BIT. BASE COURSE (2331)
 - 15.00" AGG. BASE CL. 4 (2221)
- EXISTING G.E. = 26.13

TYPICAL AUXILIARY APPROACH PAVING

STANDARD PLATE 9000E SHALL APPLY. FIELD ADJUST AS DIRECTED BY THE ENGINEER.



ENTRANCE TYPE	#	EST. TONS
FIELD ENTRANCE	4	20
RESIDENT ENTRANCE	0	0
CROSS ROADS	1	35
		45

CERTIFIED BY:

[Signature]

LIC. NO. 50428

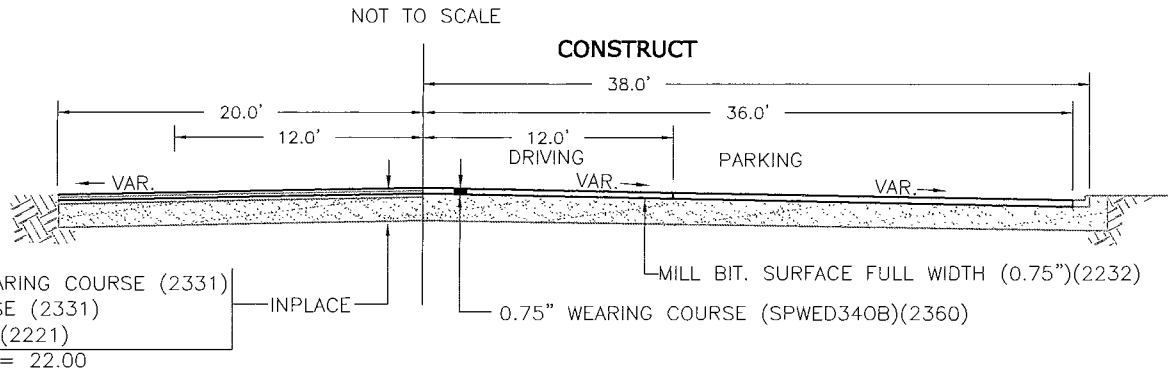
LICENSED PROFESSIONAL ENGINEER

STATE AID PROJECT 042-610-041

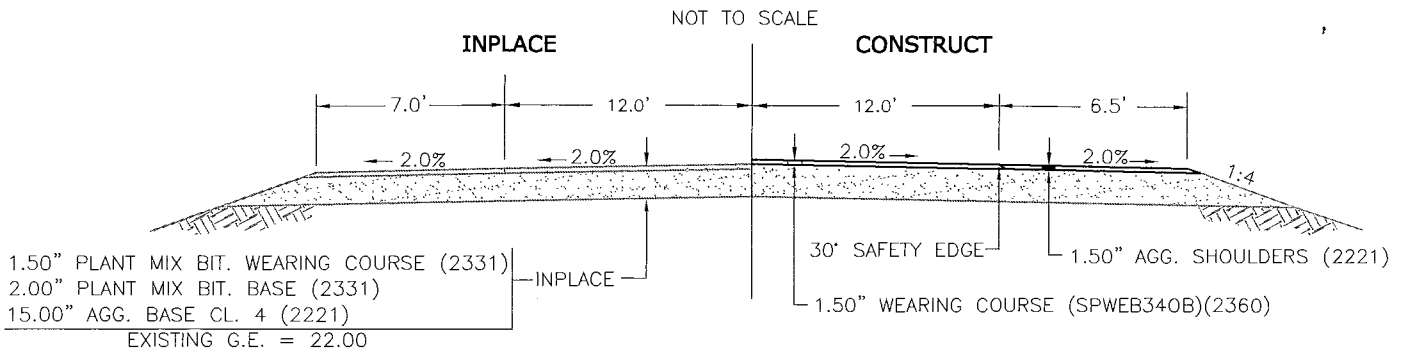
SHEET 3 OF 6 SHEETS

TYPICAL SECTION
SEG. 1 - STA. 26+58.00 TO STA. 29+71.00

GRANULAR EQUIVALENT
 10 TON
 R VALUE: 10
 ESAL'S: 148,000
 REQUIRED G.E.: 21.00
 G.E. ON PLANS: 22.19



TYPICAL SECTION
SEG. 2 - STA. 32+30.00 TO STA. 68+78.00












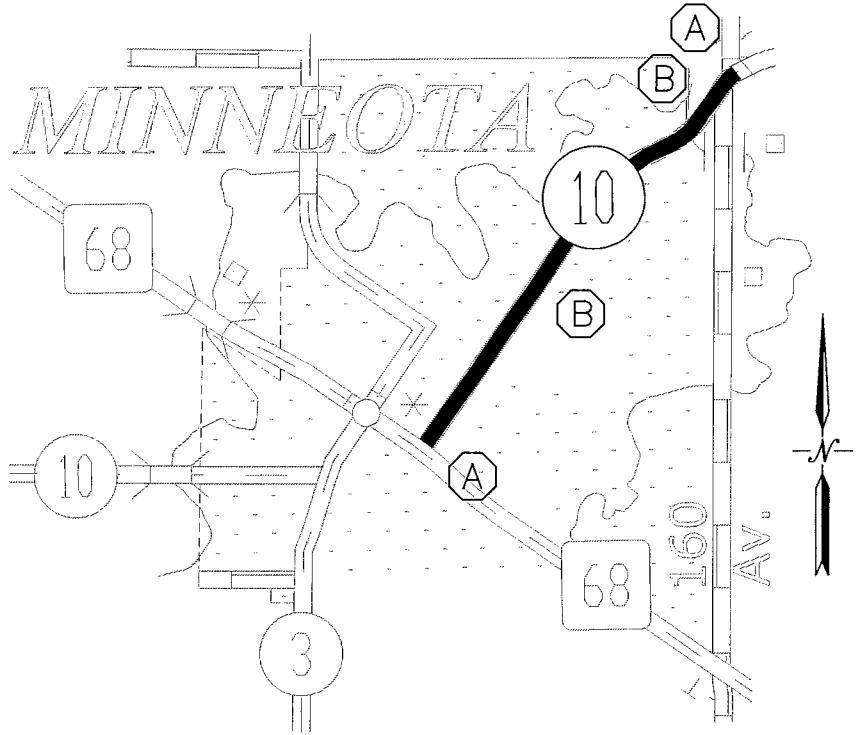
GRANULAR EQUIVALENT
 10 TON
 R VALUE: 10
 ESAL'S: 148,000
 G.E. REQUIRED: 21.00
 G.E. ON PLANS: 25.38

SECTION NOTES:

- 30" BITUMINOUS SAFETY EDGE SHALL BE INCLUDED WITH THE TOTAL BID PRICE FOR BITUMINOUS WEARING COURSE (2360).

TEMPORARY TRAFFIC CONTROL PLAN

TEMPORARY TRAFFIC CONTROL SIGNS			
INSERT	SIGN	QUANTITY	NOTES
(A)	 G20-1 NEXT 1.0 MILES	2	INSTALL ON TYPE 3 BARRICADE BLACK ON ORANGE 48"x24"
(B)	 W8-12	2	INSTALL 1/MILE MINIMUM BLACK ON ORANGE 48"x48"
	 W8-9	AS NEEDED	INSTALL 1/MILE MINIMUM BLACK ON ORANGE 48"x48"
	 W8-11	AS NEEDED	INSTALL 1/MILE MINIMUM BLACK ON ORANGE 48"x48"
	 W8-1A	AS NEEDED	BLACK ON ORANGE 48"x48"
	 W8-1A	AS NEEDED	BLACK ON ORANGE 48"x48"
	 W20-1	AS NEEDED	BLACK ON ORANGE 48"x48"
	 R4-1	0	INSTALL AT NO PASSING ZONE BLACK ON WHITE 24"x30"
	 R4-2	0	INSTALL AT NO PASSING ZONE BLACK ON WHITE 24"x30"



SIGN SPECIFIC NOTES:

1. R4-1 AND R4-2 SIGNS TO BE INSTALLED AT ENDS OF SOLID YELLOW LINES. R4-1 SIGNS TO BE INSTALLED OPPOSITE INPLACE NO PASSING ZONE SIGNS. R4-2 SIGNS TO BE INSTALLED AT THE TERMINATION OF SOLID YELLOW LINE. SIGNS SHALL BE INSTALLED PRIOR TO REMOVING CENTERLINE MARKINGS AND SHALL REMAIN INPLACE UNTIL FINAL STRIPING IS RESTORED.

GENERAL NOTES:

1. TRAFFIC CONTROL SHALL MEET THE REQUIREMENTS OF THE CURRENT EDITION OF THE MnMUTCD, INCLUDING THE FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.
2. ALL NECESSARY TRAFFIC CONTROL DEVICES ON THIS PROJECT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR THE IMMEDIATE REPAIR OR REPLACEMENT OF ALL TRAFFIC CONTROL DEVICES THAT BECOME DAMAGED, MOVED, OR DESTROYED.
3. ALL INPLACE REGULATORY AND WARNING SIGNS TO REMAIN INPLACE THROUGHOUT CONSTRUCTION.
4. THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN, AND REMOVE ALL TRAFFIC CONTROL DEVICES REQUIRED TO PROVIDE SAFE MOVEMENT OF LOCAL VEHICULAR TRAFFIC THROUGHOUT THE PROJECT. THE ENGINEER WILL HAVE THE RIGHT TO MODIFY THE REQUIREMENTS OF TRAFFIC CONTROL AS DEEMED NECESSARY DUE TO FIELD CONDITIONS. THE STREET SHALL REMAIN OPEN TO LOCAL TRAFFIC AT ALL TIMES.

CERTIFIED BY: _____

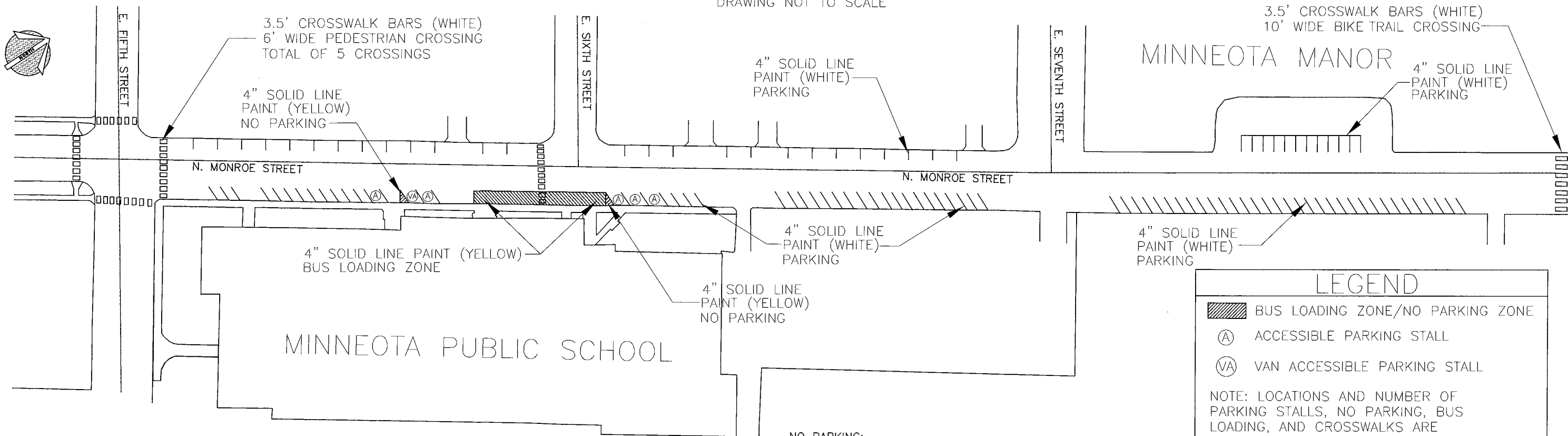
LICENSED PROFESSIONAL ENGINEER

LIC. NO. 50428

STATE AID PROJECT 042-610-041

SHEET 5 OF 6 SHEETS

DRAWING NOT TO SCALE



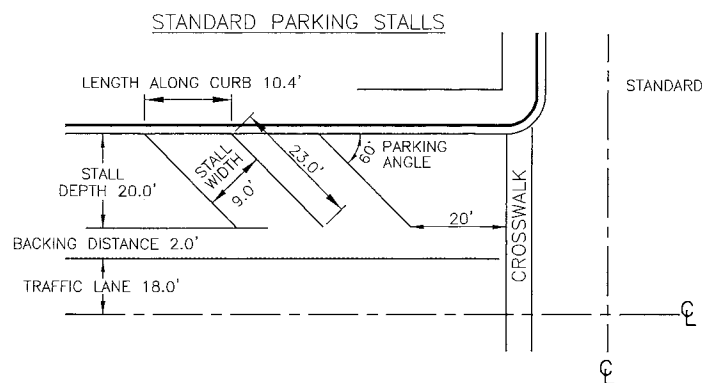
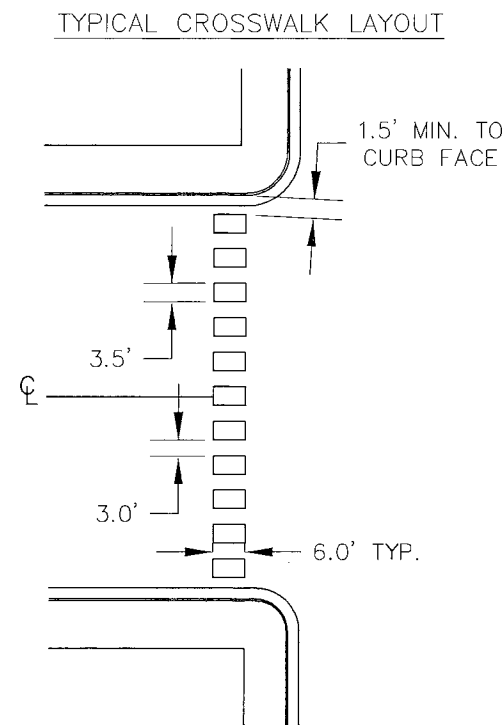
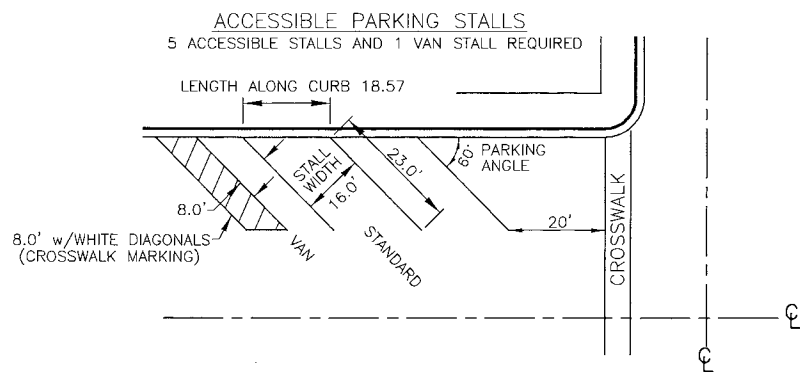
LEGEND

- BUS LOADING ZONE/NO PARKING ZONE
- ACCESSIBLE PARKING STALL
- VAN ACCESSIBLE PARKING STALL

NOTE: LOCATIONS AND NUMBER OF PARKING STALLS, NO PARKING, BUS LOADING, AND CROSSWALKS ARE APPROXIMATE. FINAL LAYOUT TO BE DETERMINED BY ENGINEER.

- NO PARKING:
- (A) IN FRONT OF A PUBLIC OR PRIVATE DRIVEWAY.
 - (B) WITHIN AN INTERSECTION.
 - (C) WITHIN 10 FT. OF A FIRE HYDRANT.
 - (D) ON A CROSSWALK.
 - (E) WITHIN 20 FT. OF A CROSSWALK AT AN INTERSECTION.
 - (F) WITHIN 20 FT. OF THE DRIVEWAY ENTRANCE TO ANY FIRE STATION AND ON THE SIDE OF A STREET OPPOSITE THE ENTRANCE TO ANY FIRE STATION WITHIN 75 FT. OF SAID ENTRANCE WHEN PROPERLY SIGN-POSTED.
 - (G) WITHIN 30 FT. OF A STOP SIGN.
 - (H) MINNESOTA STATUTES, SECTIONS 169.34 MUST BE ADHERED TO IN DETERMINING DIAGONAL PARKING SPACING.

PAVEMENT MARKING PAINT TABULATION		
ITEM	UNIT	QUANTITY
4" SOLID LINE PAINT—PARKING STALLS	L.F.	1,925*
4" SOLID LINE PAINT—NO PARKING/BUS LOADING	L.F.	2,035**
PAVEMENT MESSAGE—HANDICAPPED SYMBOL	S.F.	22*
CROSSWALK PAINT	S.F.	900*
*WHITE PAINT		
**YELLOW PAINT		



THE CITY SHALL COMPLY WITH ANY STATUTE OR RULE HEREAFTER ADOPTED WITH RESPECT TO PARKING.

DATED THE 21st DAY OF February, 2017

ATTEST: CITY OF MINNEOTA, MINNESOTA
Alexis Paures
 CLERK, CITY OF MINNEOTA

[Signature]
 MAYOR, CITY OF MINNEOTA

ATTEST: COUNTY OF LYON
[Signature]
 COUNTY AUDITOR

[Signature]
 CHAIRPERSON OF THE COUNTY BOARD

PRESENT ADT
 1,260 (2017)
 30 mph

CERTIFIED BY *[Signature]* LIC. NO. 50428 DATE 2/5/17
 LICENSED PROFESSIONAL ENGINEER