

STALL DIMENSIONS (SD)		
SIZE OF CAR	SHORT TERM	LONG TERM
SMALL	7'6"x15'0"	7'3"x15'0"
STANDARD	8'6"x18'0"	8'4"x18'0"

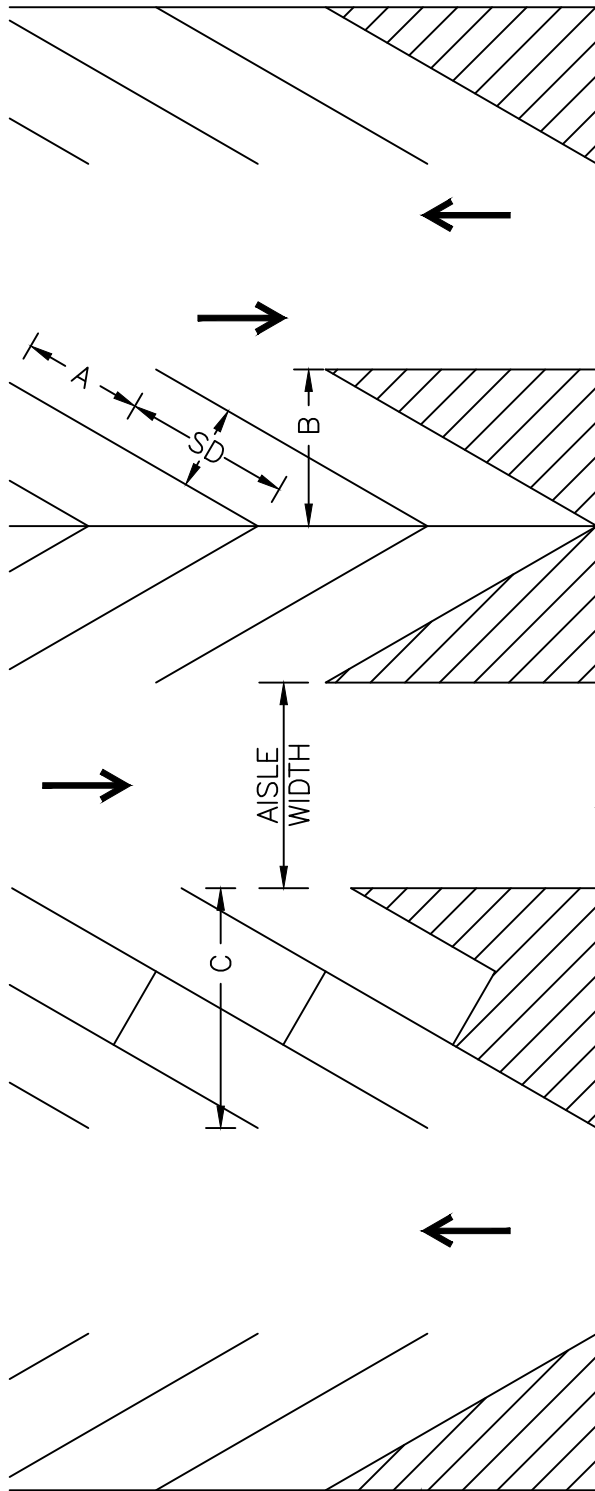
AISLE WIDTH											
SIZE OF CAR	ONE-WAY					TWO-WAY					
	PAR.	30°	45°	60°	90°	PAR.	30°	45°	60°	90°	
SMALL	8'	8'	10'	12'	15'	14'	14'	16'	18'	18'	
STANDARD	10'	11'	12'	13.5'	20'	21'	20'	20'	21'	23'	

DEPARTMENT OF PUBLIC WORKS
CITY OF ROCHESTER, MINNESOTA

PARKING STALL DIMENSIONS PARALLEL PARKING

Dylan S. Dahl
CITY ENGINEER

SHT 1 OF 5 SHTS	DATE REVISED 1/26/24	PLATE NO. 8-01	REV. D
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STALL DIMENSIONS (SD)				
SIZE OF CAR	SHORT TERM	A	B	C
SMALL	7'6"x15'0"	12'11"	15'0"	21'6"
STANDARD	8'6"x15'0"	15'0"	15'0"	22'6"
	LONG TERM			
SMALL	7'3"x15'0"	12'7"	13'9"	21'3"
STANDARD	8'4"x15'0"	14'5"	15'9"	24'3"

25' MIN.

AISLE WIDTH		
SIZE OF CAR	ONE-WAY	TWO-WAY
SMALL	8 FT.	14 FT.
STANDARD	11 FT.	20 FT.

RIGHT OF WAY

25' MIN.

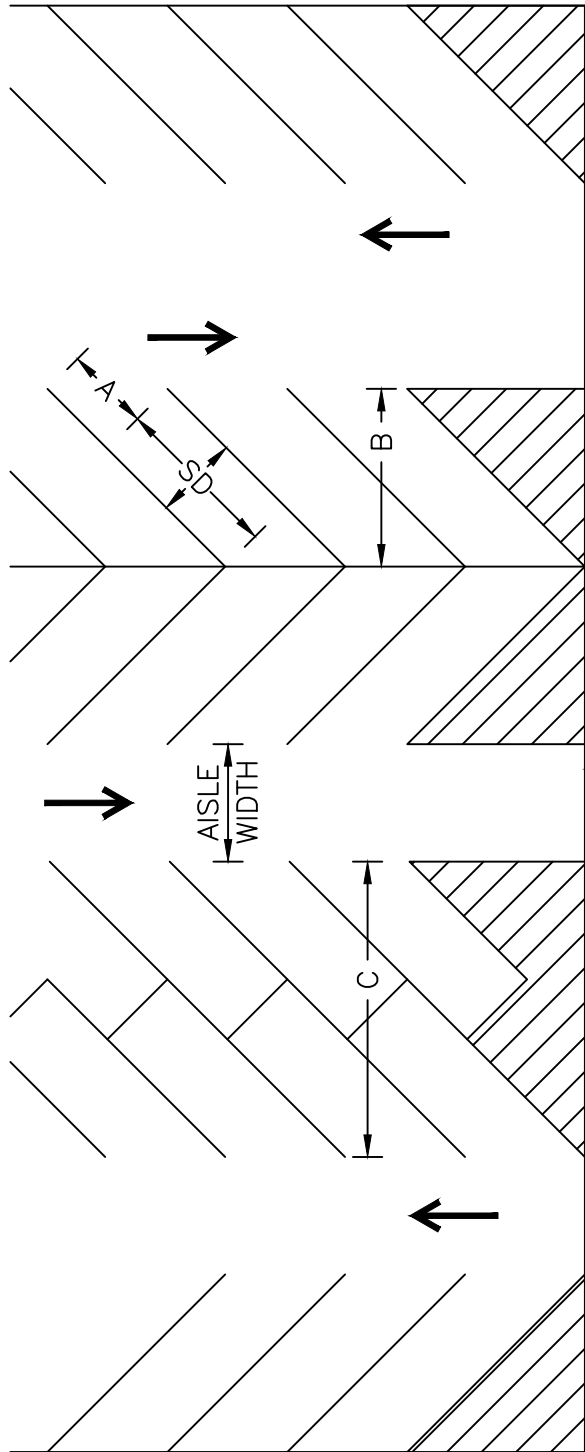
RIGHT OF WAY

DEPARTMENT OF PUBLIC WORKS
CITY OF ROCHESTER, MINNESOTA

PARKING STALL DIMENSIONS 30° PARKING

Dylan S. Dahl
CITY ENGINEER

SHT 2 OF 5 SHTS	DATE REVISED 1/26/24	PLATE NO. 8-01	REV. D
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STALL DIMENSIONS (SD)				
SIZE OF CAR	SHORT TERM	A	B	C
SMALL	7'6"x15'0"	7'6"	15'11"	26'6"
STANDARD	8'6"x17'7"	8'6"	17'7"	29'2"
	LONG TERM			
SMALL	7'3"x15'0"	7'3"	15'9"	26'4"
STANDARD	8'4"x17'0"	8'4"	17'11"	29'11"

25' MIN.

AISLE WIDTH		
SIZE OF CAR	ONE-WAY	TWO-WAY
SMALL	10 FT.	16 FT.
STANDARD	12 FT.	20 FT.

RIGHT OF WAY

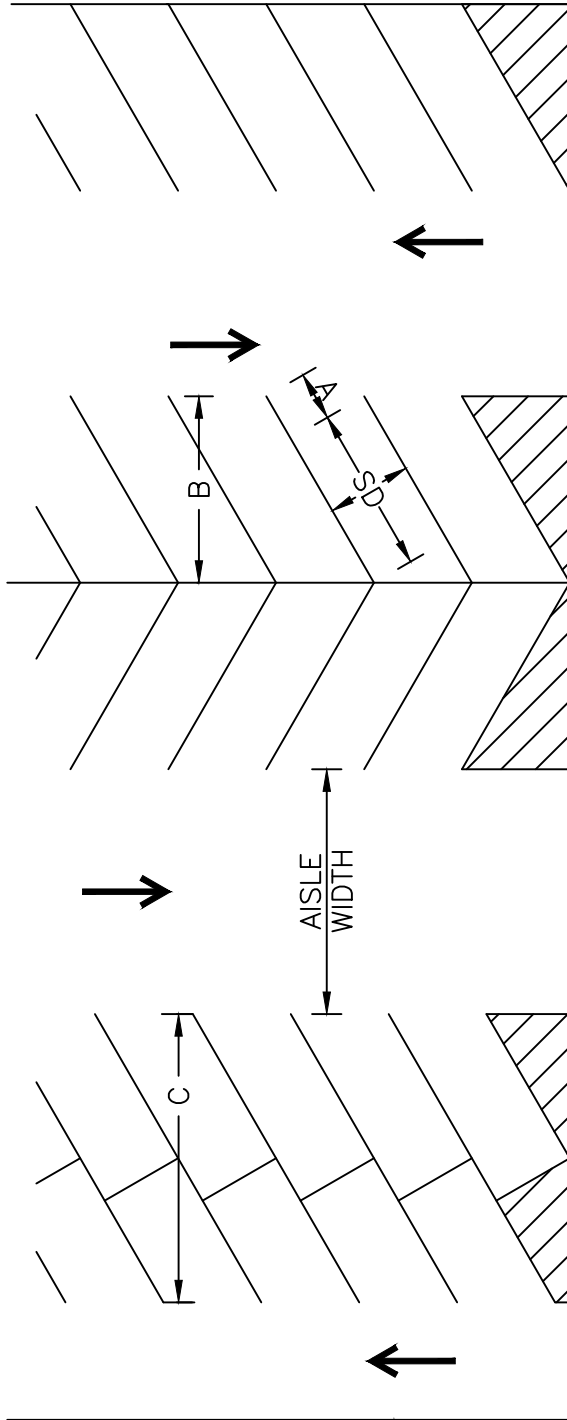
RIGHT OF WAY

25' MIN.

DEPARTMENT OF PUBLIC WORKS
 CITY OF ROCHESTER, MINNESOTA
PARKING STALL DIMENSIONS
45° PARKING

Dexter S. Dahl
 CITY ENGINEER

SHT 3 OF 5 SHTS	DATE REVISED 1/26/24	PLATE NO. 8-01	REV. D
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STALL DIMENSIONS (SD)				
SIZE OF CAR	SHORT TERM	A	B	C
SMALL	7'6"x15'0"	4'4"	16'9"	29'9"
STANDARD	8'6"x19'0"	4'11"	19'0"	33'9"
	LONG TERM			
SMALL	7'3"x15'0"	4'2"	16'7"	29'7"
STANDARD	8'4"x17'0"	4'10"	18'11"	33'7"

25' MIN.

AISLE WIDTH		
SIZE OF CAR	ONE-WAY	TWO-WAY
SMALL	12 FT.	18 FT.
STANDARD	13.6 FT.	21 FT.

RIGHT OF WAY

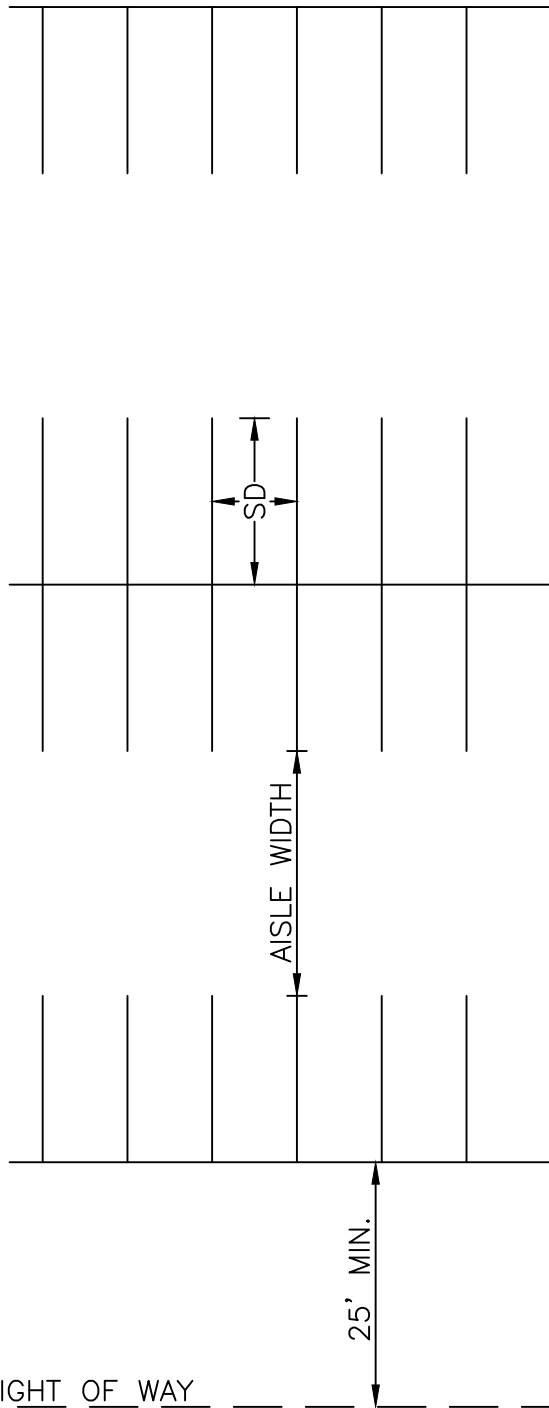
25' MIN.

RIGHT OF WAY

DEPARTMENT OF PUBLIC WORKS
 CITY OF ROCHESTER, MINNESOTA
PARKING STALL DIMENSIONS
60° PARKING

Dylan S. Dahl
 CITY ENGINEER

SHT 4 OF 5 SHTS	DATE REVISED 1/26/24	PLATE NO. 8-01	REV. D
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STALL DIMENSIONS (SD)		
SIZE OF CAR	SHORT TERM	LONG TERM
SMALL	7'6"x15'0"	7'3"x15'0"
STANDARD	8'6"x18'0"	8'4"x17'0"

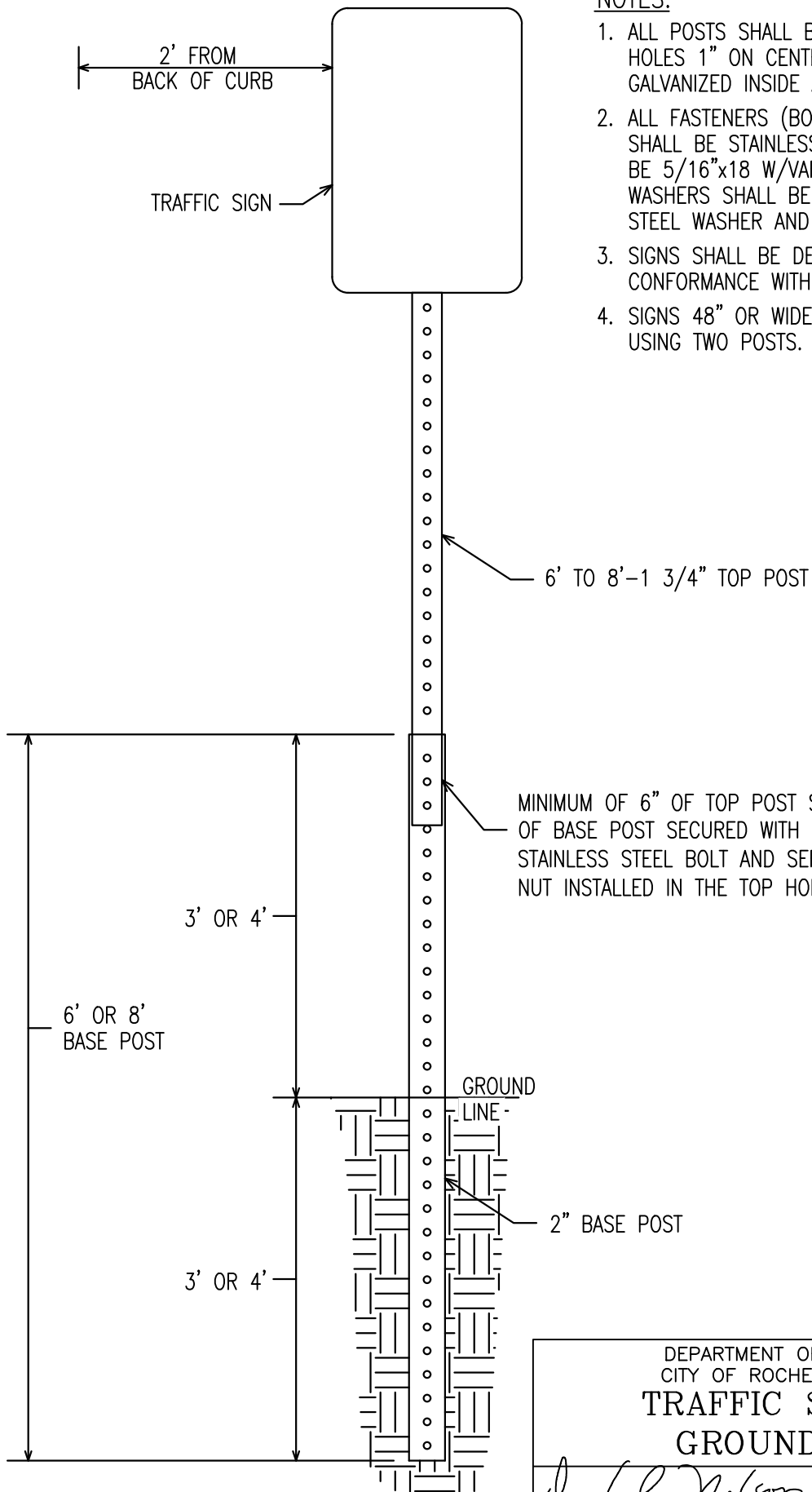
AISLE WIDTH		
SIZE OF CAR	ONE-WAY	TWO-WAY
SMALL	15 FT.	18 FT.
STANDARD	20 FT.	23 FT.

DEPARTMENT OF PUBLIC WORKS
CITY OF ROCHESTER, MINNESOTA

PARKING STALL DIMENSIONS 90° PARKING

Dimitri S. Dahl
CITY ENGINEER

SHT 5 OF 5 SHTS	DATE REVISED 1/26/24	PLATE NO. 8-01	REV. D
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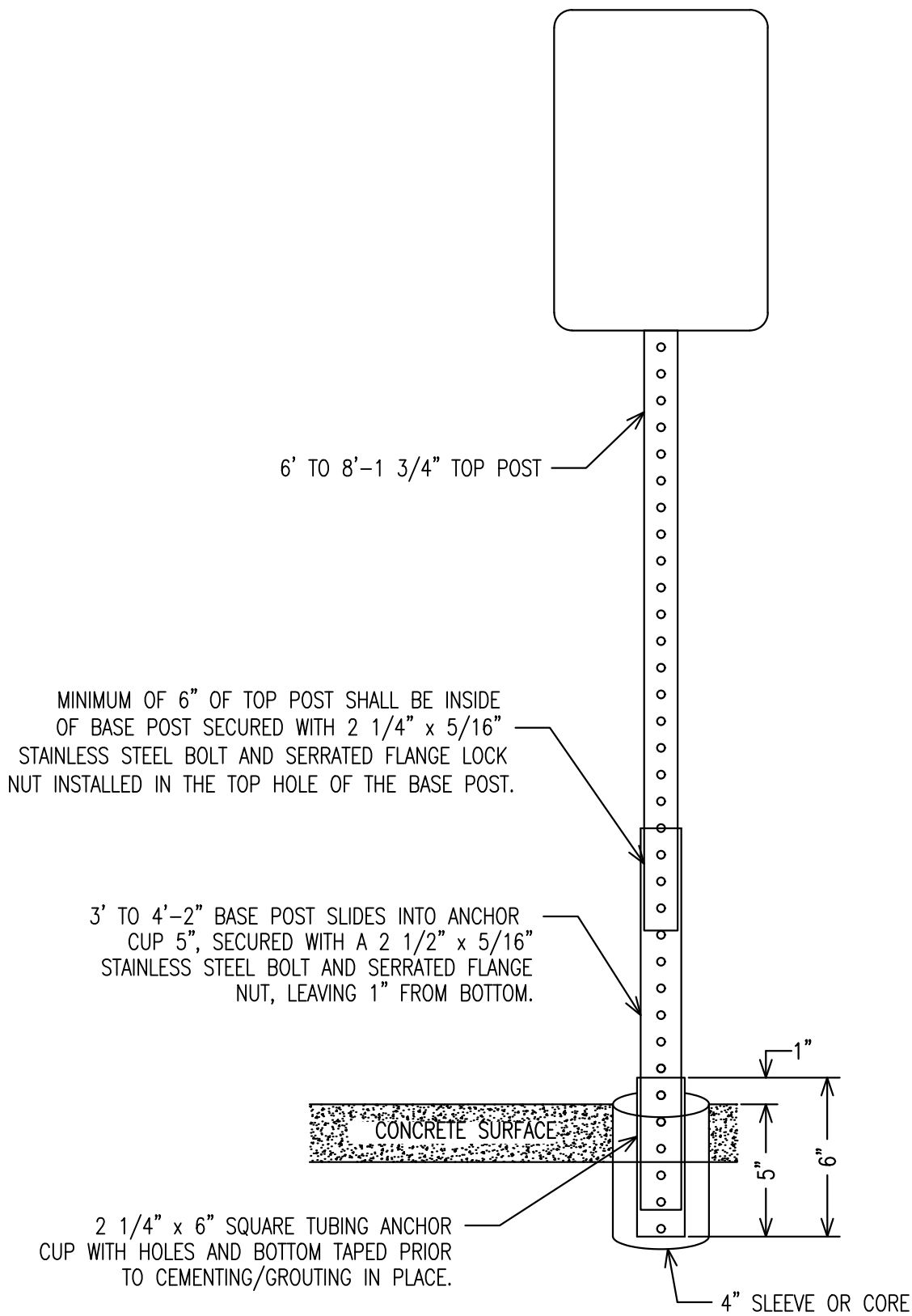


NOTES:

1. ALL POSTS SHALL BE SQUARE TUBING WITH HOLES 1" ON CENTER, 12 GA. STEEL, GALVANIZED INSIDE AND OUT.
2. ALL FASTENERS (BOLTS, NUT AND WASHERS) SHALL BE STAINLESS STEEL. ALL BOLTS WILL BE 5/16"x18 W/VARIED LENGTH. NYLON WASHERS SHALL BE USED BETWEEN THE STEEL WASHER AND THE SIGN FACE.
3. SIGNS SHALL BE DESIGNED AND MOUNTED IN CONFORMANCE WITH MN/MUTCD.
4. SIGNS 48" OR WIDER SHALL BE INSTALLED USING TWO POSTS.

MINIMUM OF 6" OF TOP POST SHALL BE INSIDE OF BASE POST SECURED WITH 2 1/4" x 5/16" STAINLESS STEEL BOLT AND SERRATED FLANGE LOCK NUT INSTALLED IN THE TOP HOLE OF THE BASE POST.

DEPARTMENT OF PUBLIC WORKS CITY OF ROCHESTER, MINNESOTA TRAFFIC SIGN POST GROUND MOUNT			
<i>Donald Nelson</i> ASST. CITY ENGINEER		<i>Keith W. Frenn</i> DIRECTOR	
SHT 1 OF 3 SHTS	DATE REVISED 1/20/17	PLATE NO. 8-02	REV. A



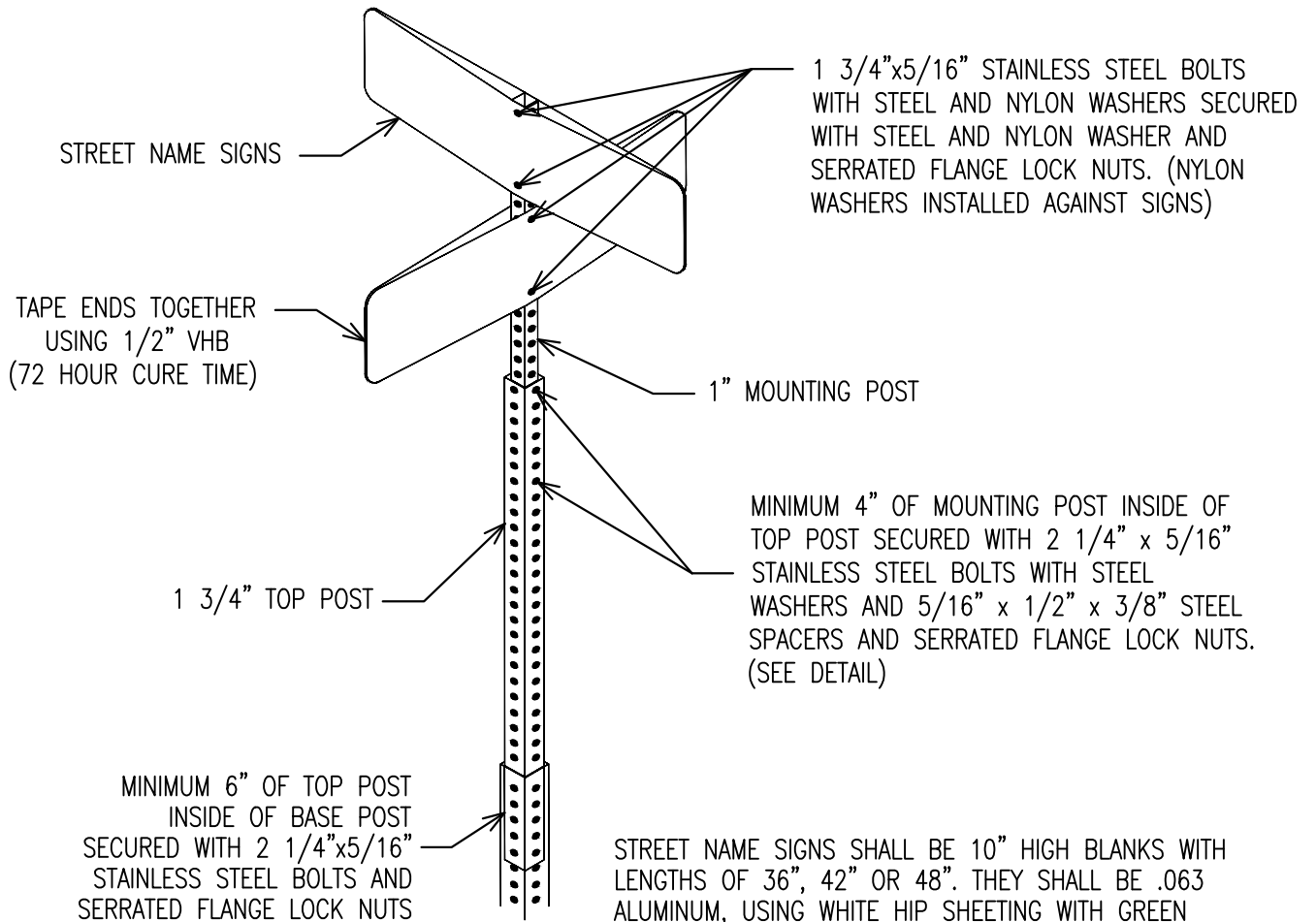
MINIMUM OF 6" OF TOP POST SHALL BE INSIDE OF BASE POST SECURED WITH 2 1/4" x 5/16" STAINLESS STEEL BOLT AND SERRATED FLANGE LOCK NUT INSTALLED IN THE TOP HOLE OF THE BASE POST.

3' TO 4'-2" BASE POST SLIDES INTO ANCHOR CUP 5", SECURED WITH A 2 1/2" x 5/16" STAINLESS STEEL BOLT AND SERRATED FLANGE NUT, LEAVING 1" FROM BOTTOM.

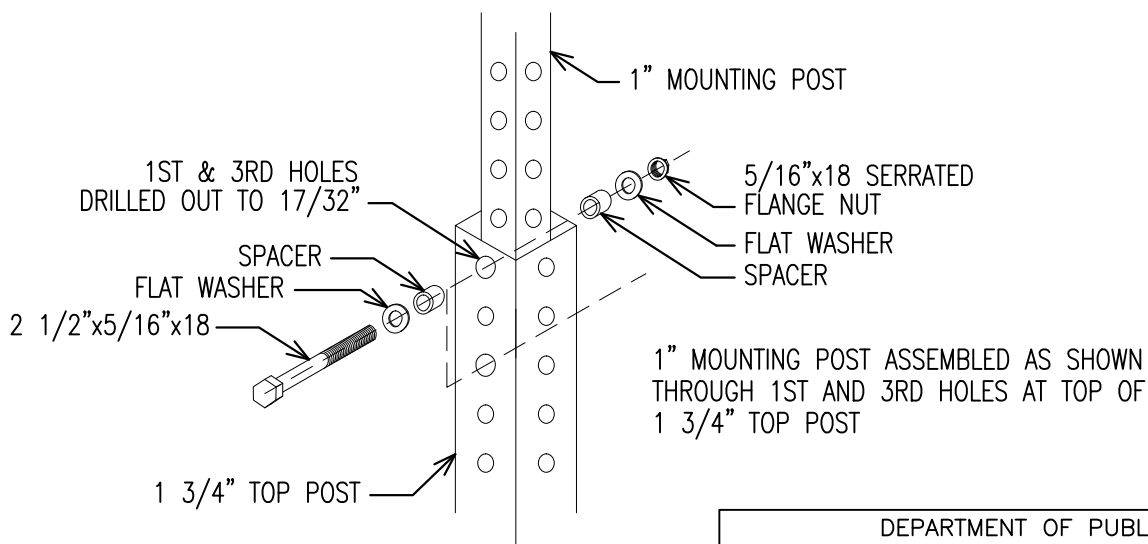
2 1/4" x 6" SQUARE TUBING ANCHOR CUP WITH HOLES AND BOTTOM TAPED PRIOR TO CEMENTING/GROUTING IN PLACE.

NOTE:
 USE A 4" CYLINDER FORM (REMOVED BEFORE CEMENTING/GROUTING THE ANCHOR/BASE CUP) PRIOR TO POURING CONCRETE SURFACE, OR CORE A 4" HOLE IN THE EXISTING CONCRETE AT SIGN LOCATIONS FOR CEMENTING/GROUTING THE 6" ANCHOR/BASE CUP INPLACE. (INCIDENTAL)

DEPARTMENT OF PUBLIC WORKS CITY OF ROCHESTER, MINNESOTA TRAFFIC SIGN POST MOUNTED IN CONCRETE			
<i>Douglas Nelson</i> ASST. CITY ENGINEER		<i>Keith W. Frenn</i> DIRECTOR	
SHT 2 OF 3 SHTS	DATE REVISED 1/20/17	PLATE NO. 8-02	REV. A



STREET NAME SIGNS SHALL BE 10" HIGH BLANKS WITH LENGTHS OF 36", 42" OR 48". THEY SHALL BE .063 ALUMINUM, USING WHITE HIP SHEETING WITH GREEN FILM, LEAVING 1/2" OUTSIDE BORDER. LETTERING SHALL BE SERIES "C", WITH 6" UPPER AND 4 1/2" LOWER CASE. FOR LONGER NAMES, THE FONT/STROKE CAN BE VARIED TO FIT THE SIGN. NAMES AND ROADWAY TYPES ARE ALWAYS UPPER/LOWER CASE, AND QUADRANTS ARE ALWAYS UPPER CASE.



STREET NAME MOUNTING POST DETAIL

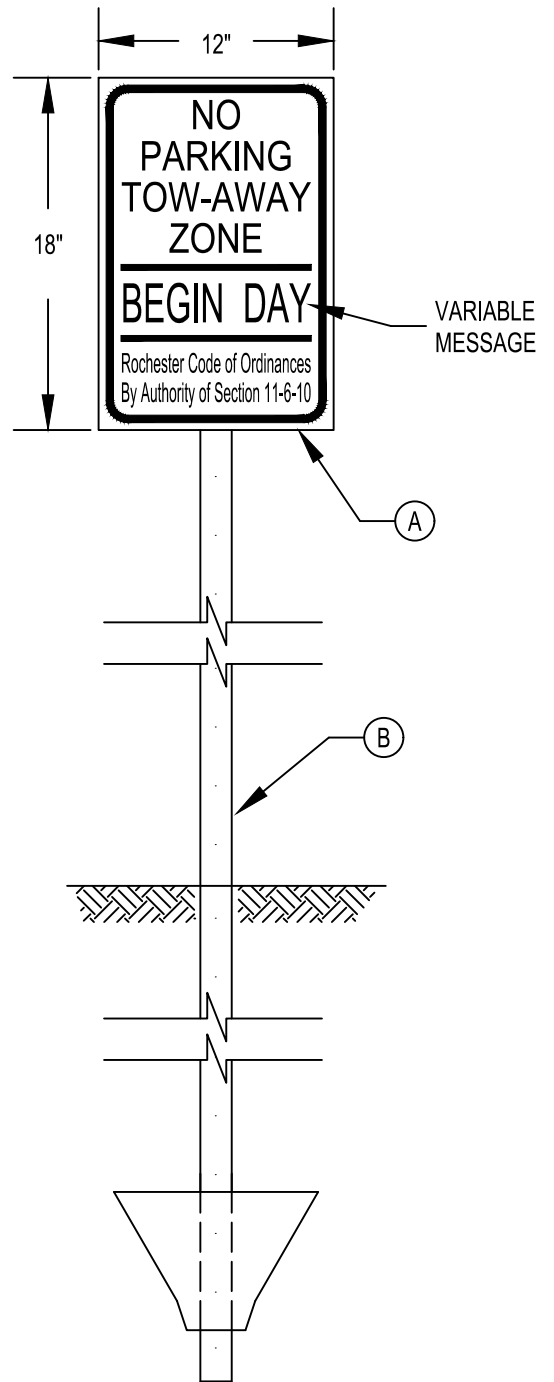
DEPARTMENT OF PUBLIC WORKS
CITY OF ROCHESTER, MINNESOTA

STREET NAME SIGN POST DETAIL

Douglas Nelson ASST. CITY ENGINEER *Keith W. Frenn* DIRECTOR

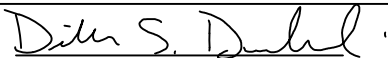
SEE SHEETS 1 AND 2 FOR BASE POST MOUNTING DETAIL.

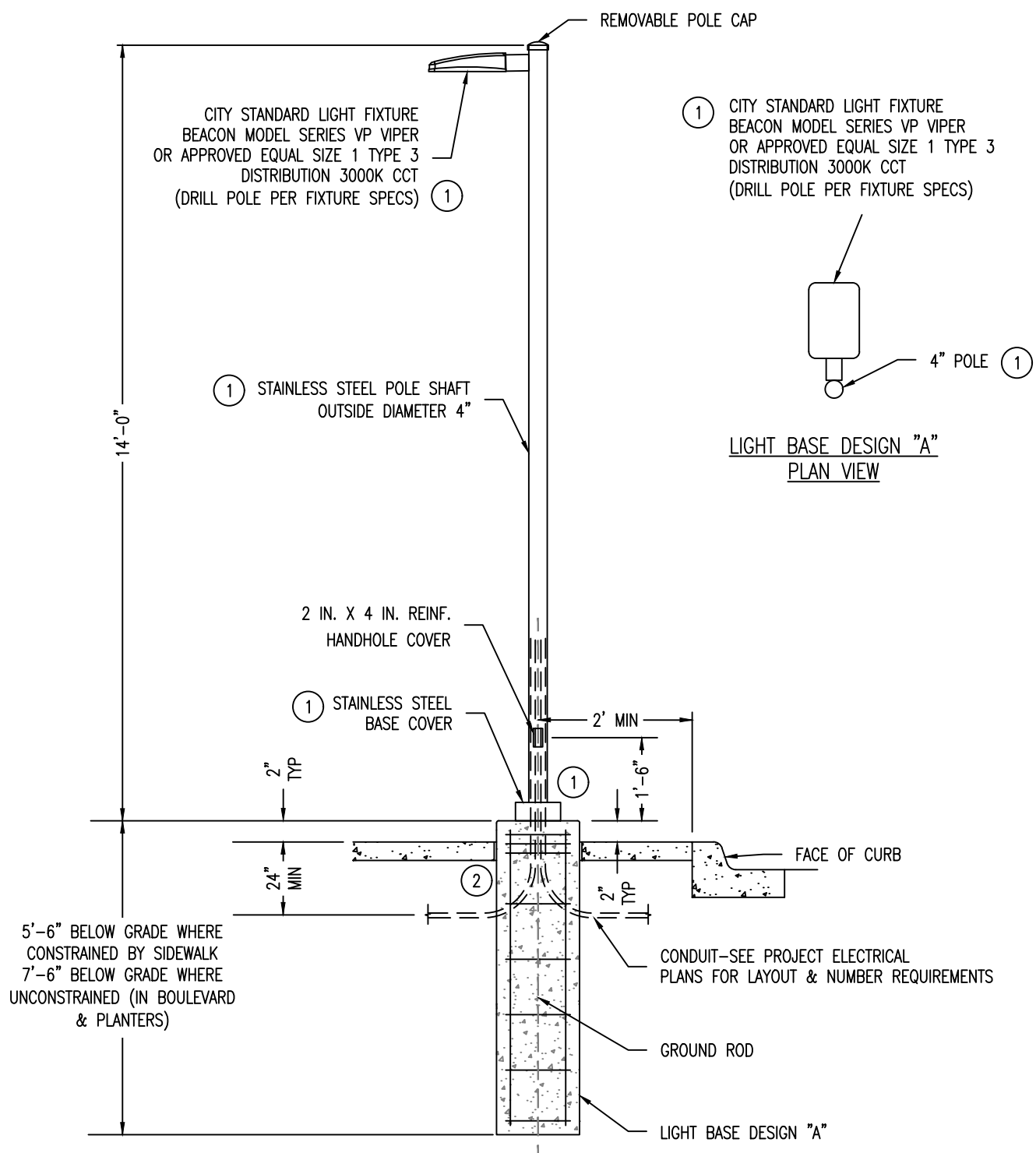
SHT 3 OF 3 SHTS	DATE REVISED 1/20/17	PLATE NO. 8-02	REV. A
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NOTES

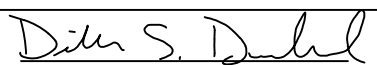
- (A) SHEET MATERIAL SHALL BE ACRYLIC OR VINYL NON-REFLECTIVE, AND ATTACHED TO POST WITH PLASTIC ZIP TIES (50 LB. TENSILE). ALL LETTERING SHALL BE RED, ON A WHITE BACKGROUND. SIGN SHALL READ "NO PARKING TOW-AWAY ZONE" IN 1.5" LETTERING. SIGN SHALL ALSO READ "ROCHESTER CODE OF ORDINANCES BY AUTHORITY OF SECTION 11-6-10" IN 1" LETTERING. SIGN SHALL HAVE "BEGIN" IN 2" LETTERING, FOLLOWED BY A CHANGEABLE DAY THE WEEK INSERT, ALSO IN 2" LETTERING.
- (B) STANDARD STEEL T-POST WITH WELDED PLATE SHALL BE A MINIMUM OF 1.26 LBS./FOOT.

DEPARTMENT OF PUBLIC WORKS CITY OF ROCHESTER, MINNESOTA TEMPORARY "TOW-AWAY ZONE" SIGN FOR CONSTRUCTION			
 CITY ENGINEER			
SHT 1 OF 1 SHTS	DATE REVISED 4/15/20	PLATE NO. 8-03	REV. B



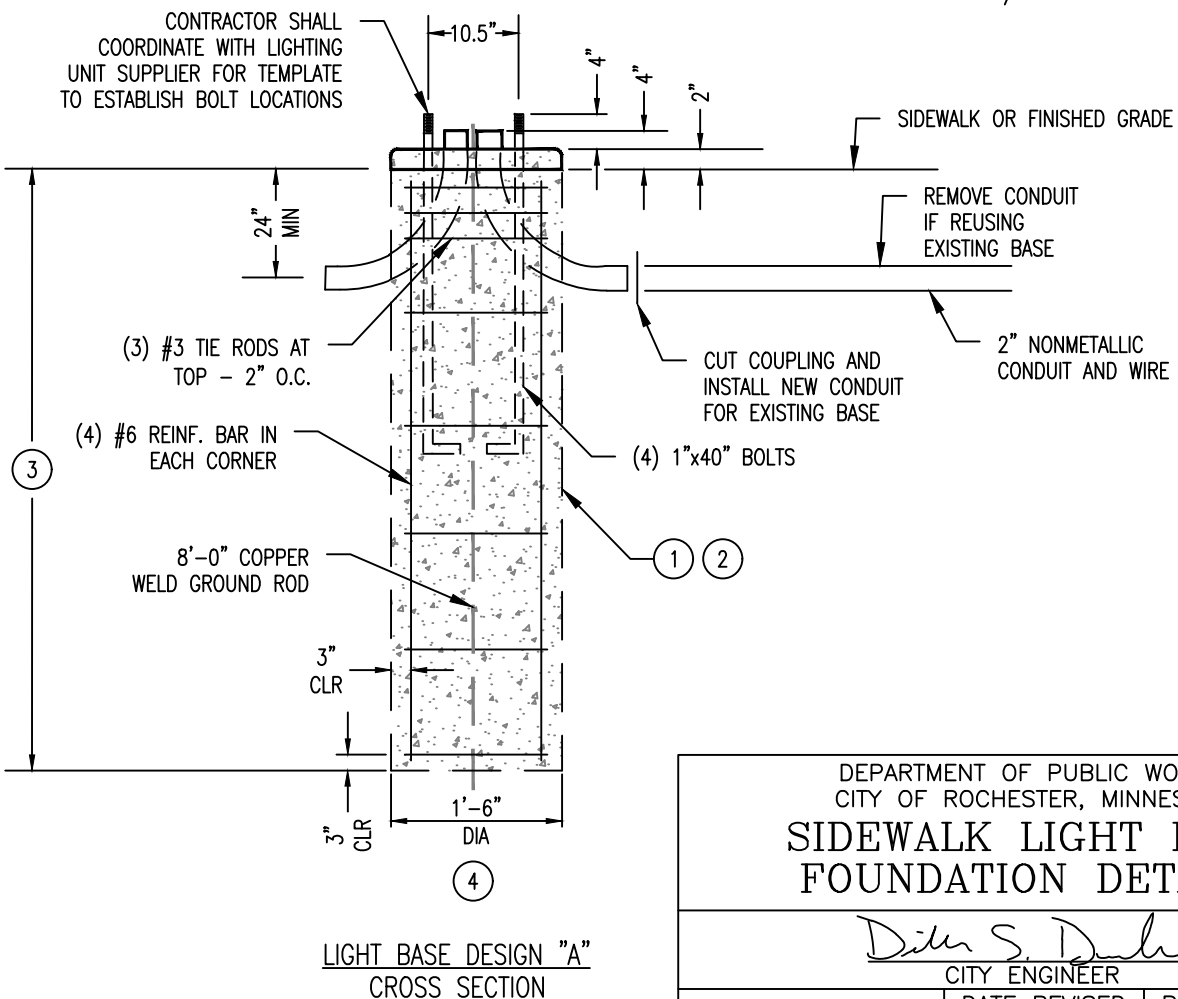
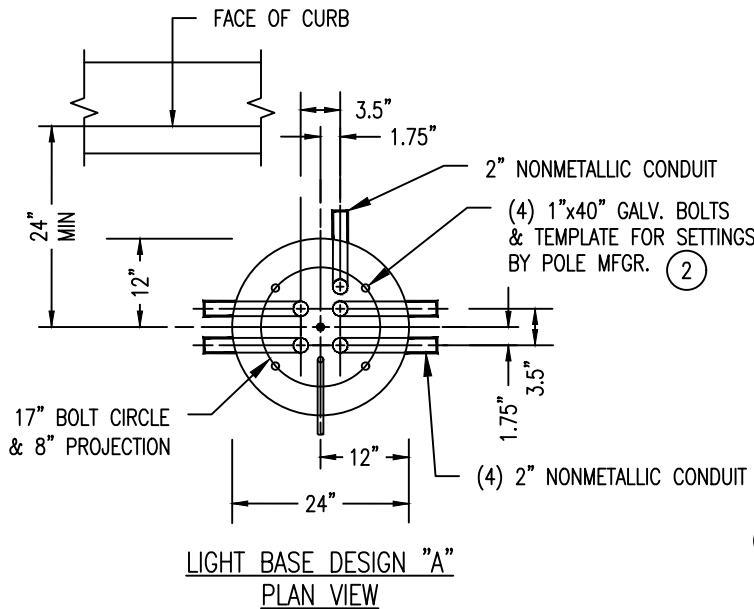
NOTES


- ① LUMINAIRE, POLE, AND COMPONENTS SHALL BE SUPPLIED WITH GLOSS BLACK SMOOTH FINISH
- ② SEE S.D.P. 2-10 FOR EXPANSION JOINT AROUND BASE
- 3. LUMINAIRE SHALL BE CITY STANDARD LIGHT FIXTURE BEACON MODEL SERIES VP VIPER OR APPROVED EQUAL SIZE 1 TYPE 3 DISTRIBUTION 3000K CCT:
LUMENS - 7500
CCT/CRI - 3000K, 70 CRI
DISTRIBUTION - TYPE 3
VOLTAGE - 120-277V
MOUNT - ADJUSTABLE ARM (UNIVERSAL DRILL PATTERN)

DEPARTMENT OF PUBLIC WORKS CITY OF ROCHESTER, MINNESOTA SIDEWALK LIGHT POLE DETAILS			
 CITY ENGINEER			
SHT 1 OF 2 SHTS	DATE REVISED 1/26/24	PLATE NO. 8-04	REV. A

NOTES

- ① NEW CAST IN PLACE CONCRETE LIGHT BASE
- ② AT EXISTING LIGHT BASE, RE-USE EXISTING ANCHORS IF CONDITION IS ADEQUATE AND LAYOUT IS CORRECT FOR NEW BASE. OTHERWISE, CUT ANCHORS FLUSH WITH CONCRETE AND COAT ANCHORS AND SURROUNDING CONCRETE WITH BRUSH APPLIED WATERPROOFING. INSTALL NEW STAINLESS STEEL ANCHOR RODS USING INJECTION ADHESIVE. EMBEDMENT DEPTH SHALL BE ADEQUATE TO DEVELOP THE FULL STRENGTH OF ANCHOR ROD, PER EPOXY MANUF. TABLES BUT NO LESS THAN 16". INSTALL NEW RODS A MINIMUM OF 4" FROM EXISTING ANCHOR LOCATIONS. CONTRACTOR SHALL COORDINATE ROTATED ANCHOR LAYOUT (IF REQUIRED) WITH LIGHTING SUPPLIER.
- ③ 5'-6" BELOW GRADE WHERE CONSTRAINED BY SIDEWALK
7'-6" BELOW GRADE WHERE UNCONSTRAINED (IN BOULEVARDS & PLANTERS)
- ④ LIGHT POLE CONCRETE FOUNDATION SHALL BE MN/DOT SPEC. MIX 3G52



DEPARTMENT OF PUBLIC WORKS CITY OF ROCHESTER, MINNESOTA SIDEWALK LIGHT POLE FOUNDATION DETAILS			
 CITY ENGINEER			
SHT 2 OF 2 SHTS	DATE REVISED 1/26/24	PLATE NO. 8-04	REV. A