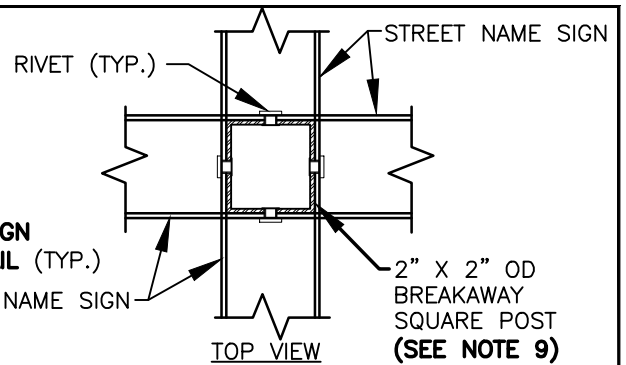
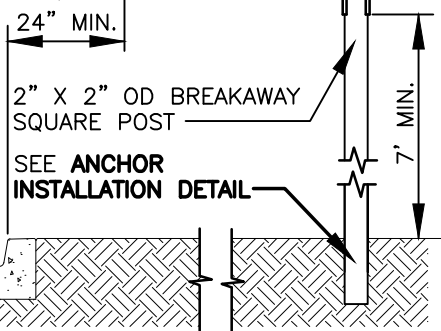
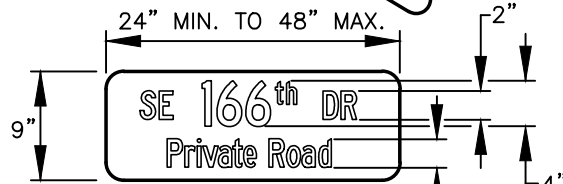
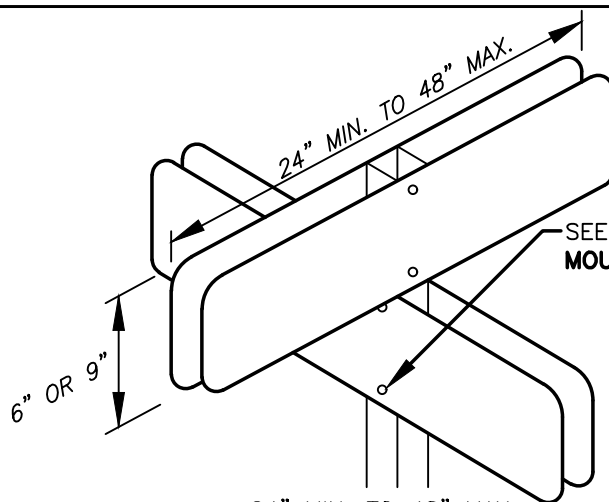
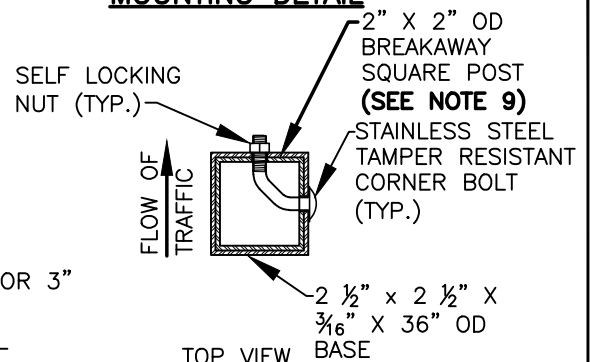


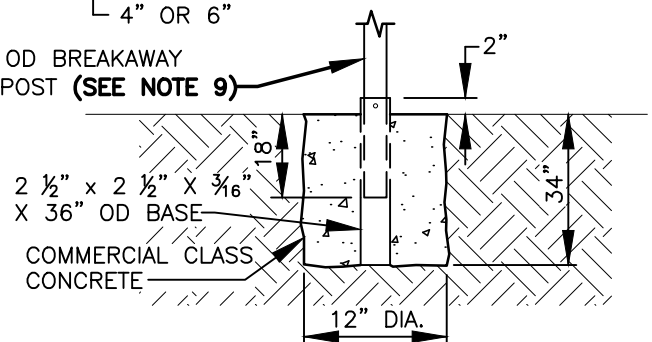


DOUBLE SIDED SIGN MOUNTING DETAIL



ANCHOR DETAIL

2" X 2" OD BREAKAWAY SQUARE POST (SEE NOTE 9)



ANCHOR INSTALLATION DETAIL

NOTES:

- SIGN TO BE 6" WITH 4" LETTERS ONLY WHEN BOTH STREETS ARE LOCAL AND HAVE A POSTED SPEED OF 25 MPH OR LESS.
- SIGN TO BE 9" WITH 6" LETTERS WHEN STREETS HAVE A SPEED GREATER THAN 25 MPH AND ARE LOCAL OR ARTERIAL STREETS.
- SIGN FACE SHALL BE FABRICATED FROM CUBED CORNERED LENS (VIP, TYPE A DIAMOND GRADE) REFLECTIVE MATERIAL. FACE LEGEND AND BORDER SHALL BE WHITE ON A GREEN BACKGROUND, EXCEPT IN THE DOWNTOWN AREA, WHICH SHALL HAVE A BROWN BACKGROUND.
- LETTERING SHALL BE A COMBINATION OF UPPER AND LOWER CASE LETTERS PER FHWA STANDARDS. THE PREFIX SHALL BE ABBREVIATED UPPER CASE LETTERS. THE STREET NAME SHALL BE LOWER CASE LETTERS WITH THE FIRST LETTER UPPER CASE. THE SUFFIX SHALL BE ABBREVIATED UPPER CASE.
- ALL SIGN MATERIALS AND ATTACHMENT HARDWARE SHALL CONFORM TO MUTCD AND WSDOT STANDARD SPECIFICATIONS.
- WHEN SIGN REQUIRES TWO MESSAGE LINES, USE 2 SIGN BOARDS WITH AN ARROW ADDED TO THE BOARD (LEFT ARROW LEFT OF THE DIRECTION AND RIGHT ARROW ON THE RIGHT).
- ENGINEER SHALL APPROVE FACE COPY PRIOR TO FABRICATION.
- FOR SIGN MANUFACTURING DETAILS SEE CITY OF VANCOUVER AMENDMENTS TO THE STANDARDS AND SPECIFICATIONS FOR TRAFFIC CONTROL DEVICES AND LIGHTING.
- BREAKAWAY SIGN POSTS ARE TO BE "PRE-PUNCHED" CITY APPROVED POSTS.

REV NO.	DATE	BY	APPR	AGE
1	1/05	RAW	AGE	
2	3/06	RAW	AGE	
3	2/07	RAW	AGE	
4	8/08	RAW	AGE	
5	1/15	RAW	CJC	
6	9/21	RAW	CJC	

PUBLIC WORKS – STREETS AND TRANSPORTATION

APPROVED BY: *[Signature]*
TRAFFIC ENGINEER MANAGER

APPROVED DATE: 9/1/2021

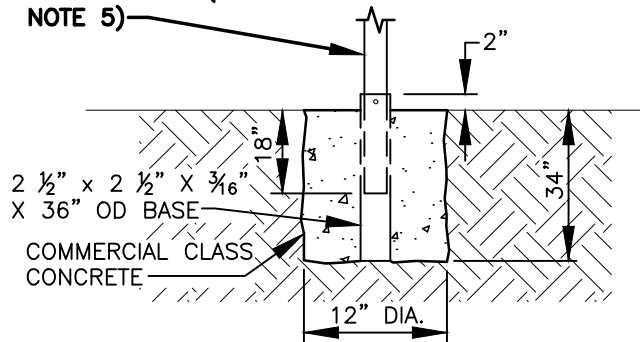


GROUND MOUNTED STREET NAME SIGN

STANDARD PLAN NUMBER

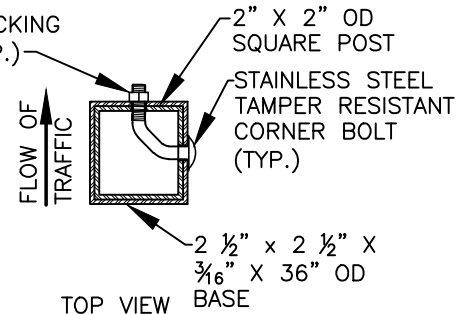
T29-01

2" X 2" OD BREAKAWAY
SQUARE POST (SEE
NOTE 5)

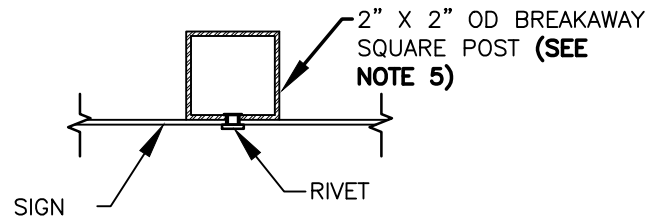


ANCHOR INSTALLATION DETAIL

SELF LOCKING
NUT (TYP.)



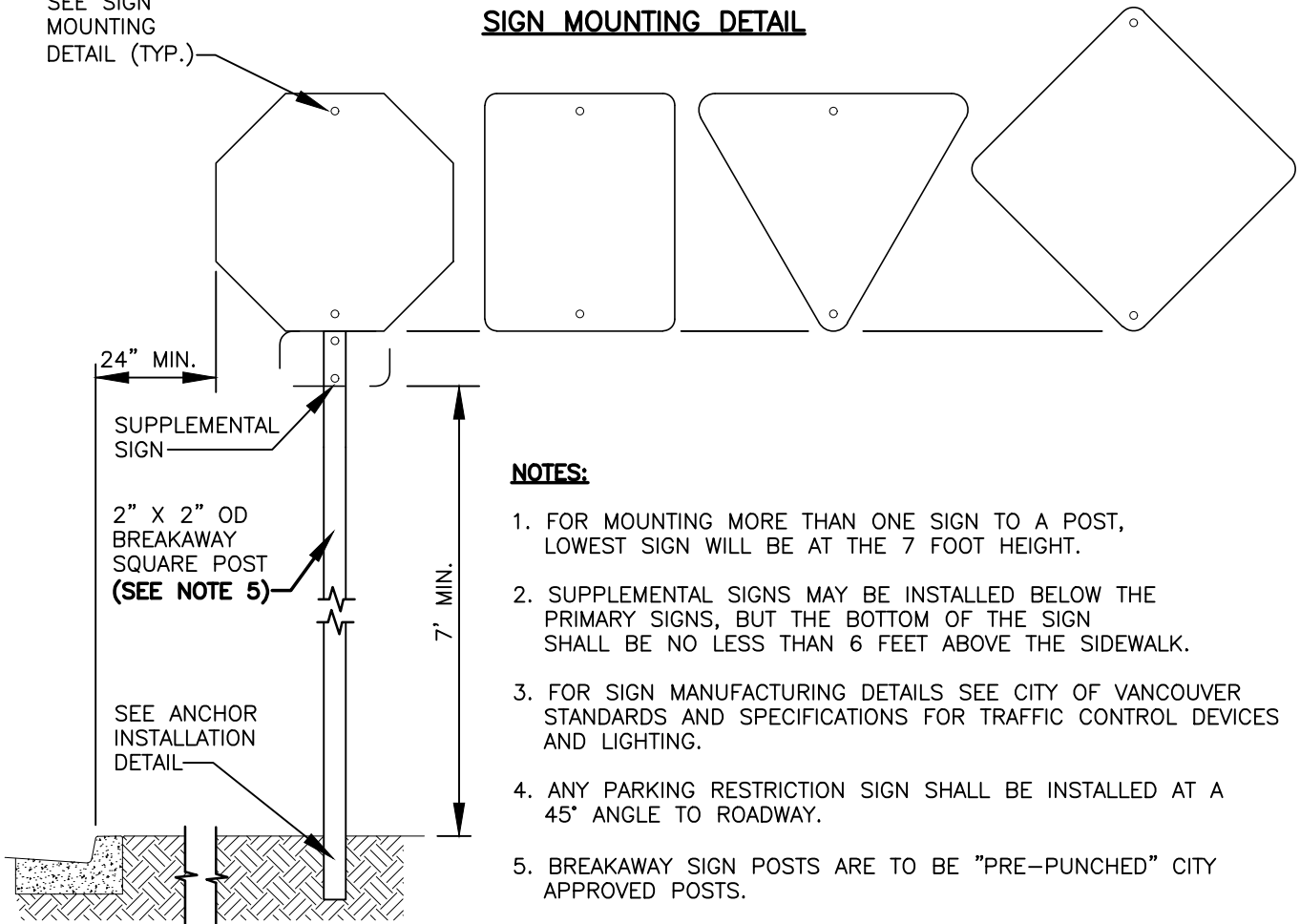
ANCHOR DETAIL



TOP VIEW

SIGN MOUNTING DETAIL

SEE SIGN
MOUNTING
DETAIL (TYP.)



NOTES:

1. FOR MOUNTING MORE THAN ONE SIGN TO A POST, LOWEST SIGN WILL BE AT THE 7 FOOT HEIGHT.
2. SUPPLEMENTAL SIGNS MAY BE INSTALLED BELOW THE PRIMARY SIGNS, BUT THE BOTTOM OF THE SIGN SHALL BE NO LESS THAN 6 FEET ABOVE THE SIDEWALK.
3. FOR SIGN MANUFACTURING DETAILS SEE CITY OF VANCOUVER STANDARDS AND SPECIFICATIONS FOR TRAFFIC CONTROL DEVICES AND LIGHTING.
4. ANY PARKING RESTRICTION SIGN SHALL BE INSTALLED AT A 45° ANGLE TO ROADWAY.
5. BREAKAWAY SIGN POSTS ARE TO BE "PRE-PUNCHED" CITY APPROVED POSTS.

I:\CITYAPPS\AUTOCAD\STD_DETAILS\DRAWING_FILES\T29-02

REV NO.	DATE	BY	APPR	AGE
1	1/05	RAW	AGE	
2	3/06	RAW	AGE	
3	2/07	RAW	AGE	
4	8/08	RAW	AGE	
5	1/15	RAW	CJC	
6	9/21	RAW	CJC	

PUBLIC WORKS – STREETS
AND TRANSPORTATION

APPROVED BY: *[Signature]*
TRAFFIC ENGINEER MANAGER

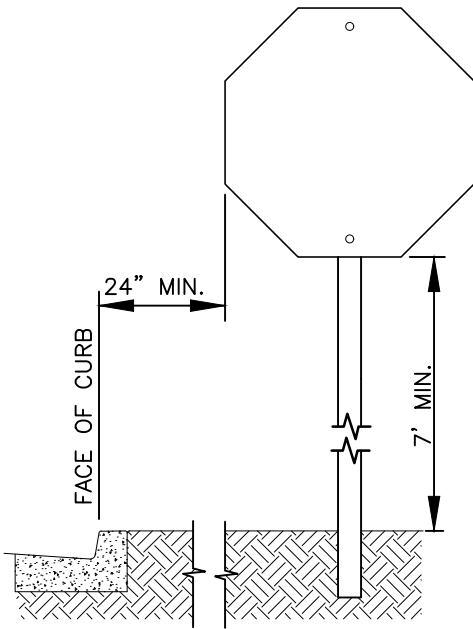
APPROVED DATE: 9/1/2021

CITY OF
Vancouver
WASHINGTON

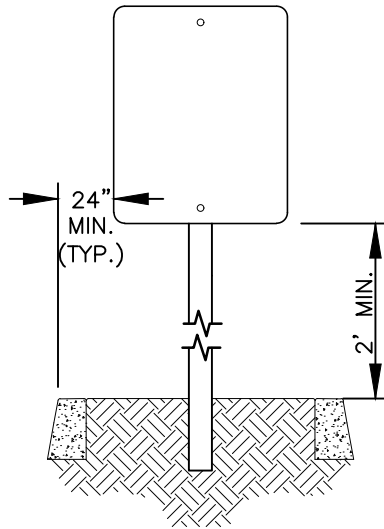
GROUND MOUNTED
SIGN DETAILS

STANDARD PLAN
NUMBER

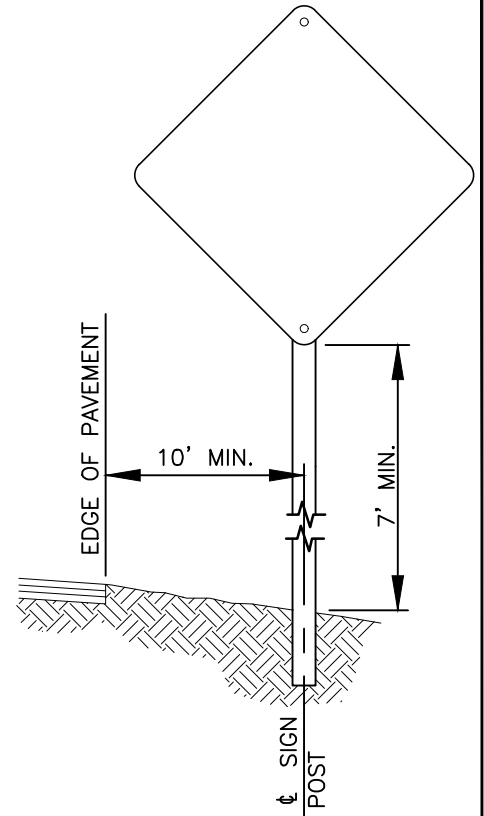
T29-02



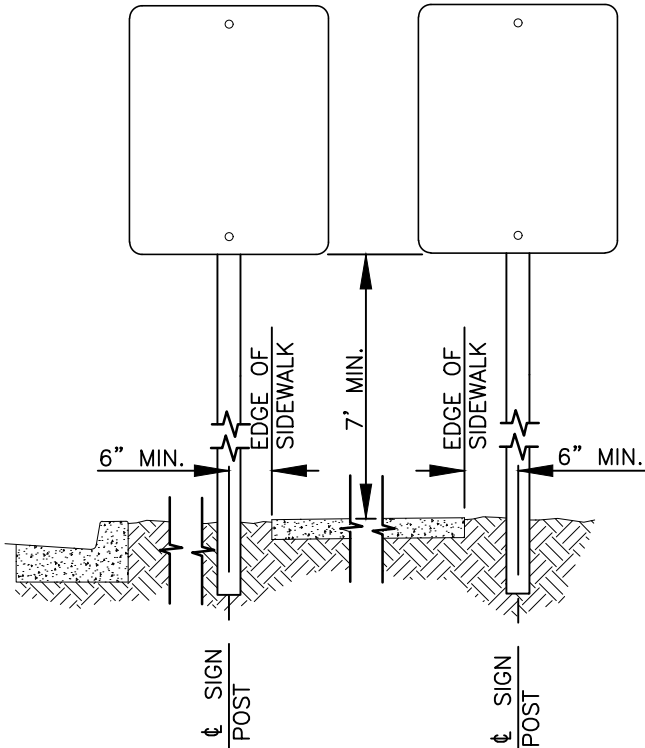
SIGN LOCATION BY CURB



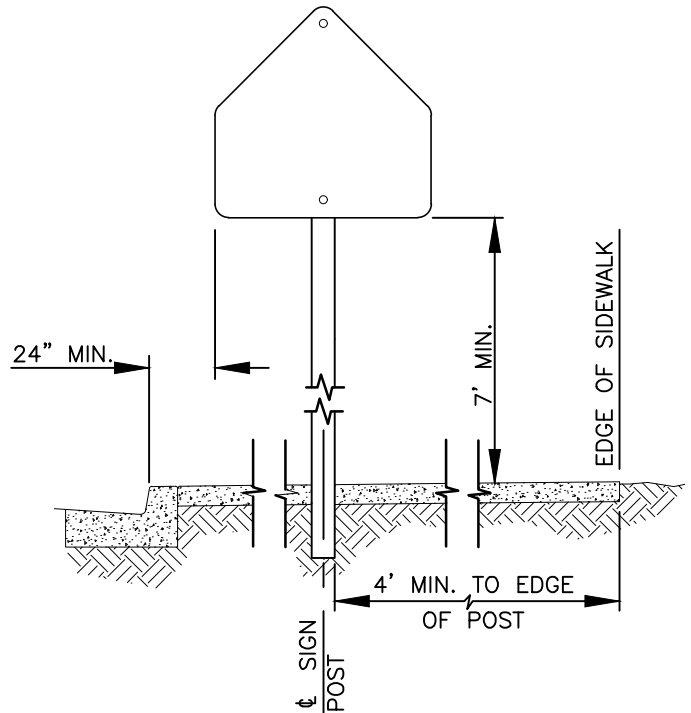
SIGN LOCATION IN MEDIAN
(SEE DETAIL T02-17 FOR PLACEMENT)



SIGN LOCATION EDGE OF PAVEMENT



SIGN LOCATION OUTSIDE OF SIDEWALK



SIGN LOCATION IN SIDEWALK

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REV NO.	DATE	BY	APPR	AGE
1	8/04	RAW	AGE	
2	3/06	RAW	AGE	
3	2/07	RAW	AGE	
4	8/08	RAW	AGE	
5	1/15	RAW	CJC	
6	9/21	RAW	CJC	

PUBLIC WORKS – STREETS AND TRANSPORTATION

APPROVED BY: *[Signature]*
TRAFFIC ENGINEER MANAGER

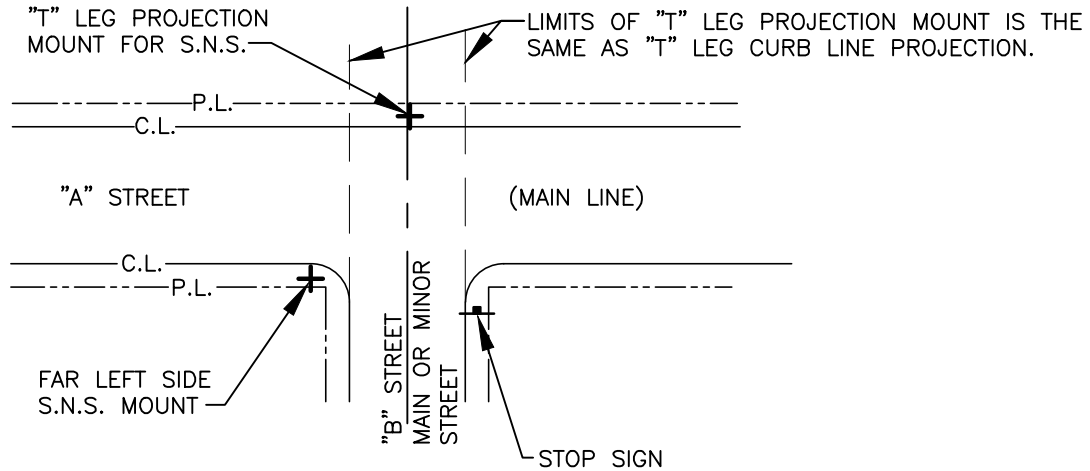
APPROVED DATE: 9/1/2021

CITY OF
Vancouver
WASHINGTON

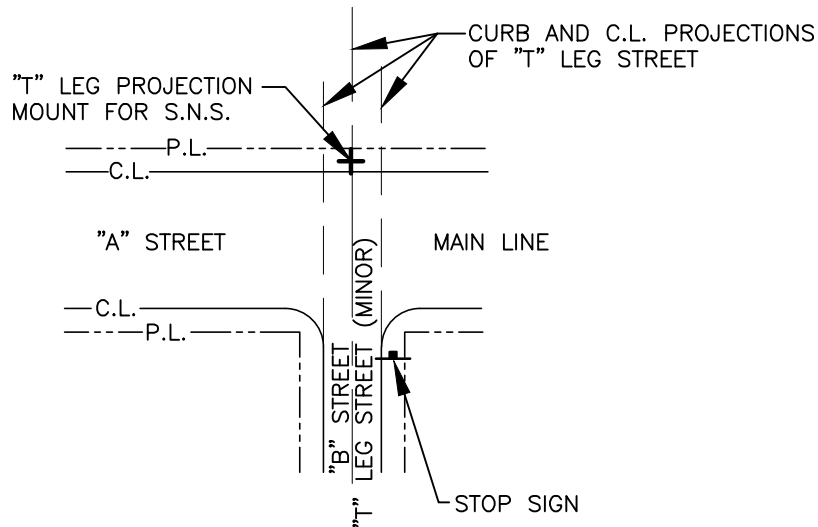
SIGN LOCATION DETAILS

STANDARD PLAN
NUMBER

T29-03



WHEN A "MAIN LINE" STREET AND A MINOR "T" LEG STREET OR TWO "MAIN LINE" STREETS INTERSECT AT A "T" INTERSECTION, SIGNS SHALL BE MOUNTED INSIDE THE CURB LINE ON BOTH SIDES OF THE THROUGH STREET. ONE SET OF SIGNS SHALL BE ERECTED "FAR LEFT SIDE" AT THE "T" LEG. THE OTHER SET OF SIGNS SHALL BE MOUNTED AS CLOSE AS POSSIBLE TO THE "T" LEG CENTER LINE PROJECTION. FOR ADDITIONAL SIGN INFORMATION, SEE **GROUND MOUNTED STREET NAME SIGN DETAIL, T29-01**.



WHEN TWO MINOR STREETS INTERSECT AT A "T" INTERSECTION, SIGNS WILL BE MOUNTED INSIDE THE CURB LINE OF THE THROUGH STREET ON THE SIDE OPPOSITE THE "T" LEG AND WITHIN THE CURB LINE PROJECTIONS OF THE "T" LEG STREET. SIGNS WILL BE MOUNTED AS CLOSE AS POSSIBLE TO THE "T" LEG CENTER LINE PROJECTION. FOR ADDITIONAL SIGN INFORMATION SEE **GROUND MOUNTED STREET NAME SIGN DETAIL, T29-01**.

"T" INTERSECTIONS

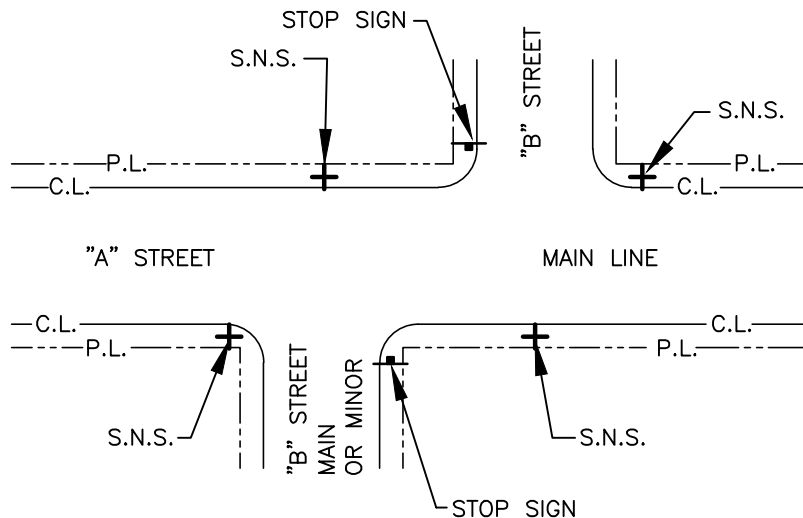
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REV NO.	DATE	BY	APPR	PUBLIC WORKS - STREETS AND TRANSPORTATION
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2	3/06	RAW	AGE	
3	2/07	RAW	AGE	
4	8/08	RAW	AGE	
5	1/15	RAW	CJC	APPROVED BY: <i>[Signature]</i>
6	9/21	RAW	CJC	APPROVED DATE: 9/1/2021



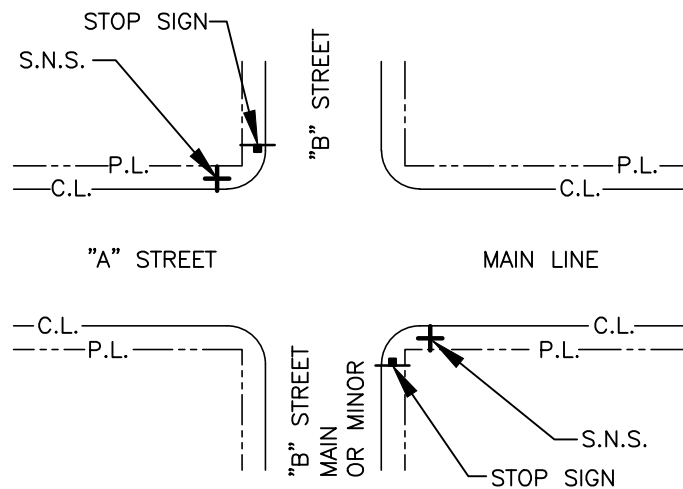
STREET NAME SIGN
PLACEMENT "T"
INTERSECTIONS

STANDARD PLAN
NUMBER
T29-04



"JOGGING" INTERSECTIONS

FOR SIGNING PURPOSES, "JOGGING" INTERSECTIONS WILL BE CONSIDERED AS TWO "T" INTERSECTIONS PLACED SIDE BY SIDE WITH THE "THROUGH" STREETS CONNECTED AND THE "T" LEGS POINTED IN OPPOSITE DIRECTIONS. SIGNING RULES FOR "JOGGING" INTERSECTIONS ARE THE SAME AS THOSE FOR TWO "T" INTERSECTIONS. FOR ADDITIONAL SIGN INFORMATION, SEE **GROUND MOUNTED STREET NAME SIGN DETAIL, T29-01.**



"4-WAY" INTERSECTIONS

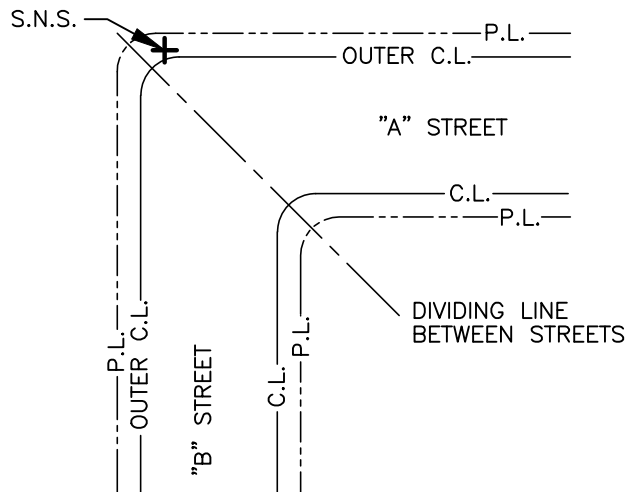
IN BUSINESS DISTRICTS AND ON PRINCIPAL ARTERIALS, STREET NAME SIGNS SHOULD BE PLACED AT LEAST ON DIAGONALLY OPPOSITE CORNERS SO THAT THEY WILL BE ON THE FAR RIGHT-HAND SIDE OF THE INTERSECTION FOR TRAFFIC ON THE MAJOR STREET. SIGNS NAMING BOTH STREETS SHOULD BE ERECTED AT EACH LOCATION. THEY SHOULD BE MOUNTED WITH THEIR FACES PARALLEL TO THE STREETS THEY NAME. IN RESIDENTIAL DISTRICTS AT LEAST ONE STREET NAME SIGN SHOULD BE MOUNTED AT EACH INTERSECTION. FOR ADDITIONAL SIGN INFORMATION, SEE **GROUND MOUNTED STREET NAME SIGN DETAIL, T29-01.**

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REV NO.	DATE	BY	APPR	PUBLIC WORKS - STREETS AND TRANSPORTATION
1	1/05	RAW	AGE	
2	3/06	RAW	AGE	
3	2/07	RAW	AGE	
4	8/08	RAW	AGE	
5	1/15	RAW	CJC	APPROVED BY: <i>[Signature]</i>
6	9/21	RAW	CJC	APPROVED DATE: 9/1/2021

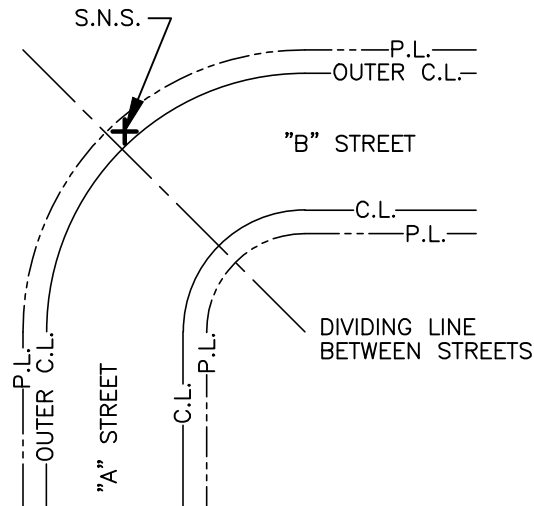


STREET NAME SIGN PLACEMENT AT 4-WAY INTERSECTIONS	STANDARD PLAN NUMBER T29-05
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"ANGLED" INTERSECTIONS

STREET NAME SIGNS SHALL BE ERECTED AT "ANGLED" INTERSECTIONS INSIDE THE OUTER CURB LINES OF THE TWO INTERSECTING STREETS. THEY SHALL BE MOUNTED 10 FEET OR LESS FROM THE DIVIDING LINE BETWEEN STREETS, OTHERWISE SIGNS WILL BE MOUNTED AS CLOSE AS POSSIBLE TO THE "T" LEG CENTER LINE PROJECTION. FOR ADDITIONAL SIGN INFORMATION, SEE **GROUND MOUNTED STREET NAME SIGN DETAIL, T29-01.**



"CURVED" INTERSECTIONS

STREET NAME SIGNS SHALL BE ERECTED AT "CURVED" INTERSECTIONS INSIDE THE OUTER CURB LINES OF THE TWO INTERSECTING STREETS. THEY SHALL BE MOUNTED BETWEEN THE TWO HOUSES ALONG THE OUTER PROPERTY LINE BETWEEN WHICH N-S HOUSE NUMBERS CHANGE TO E-W HOUSE NUMBERS, OR BETWEEN OUTER PROPERTY LINE HOUSES BETWEEN WHICH HOUSE NUMBERS CHANGE FROM ODD TO EVEN NUMBERS. IF HOUSES ARE NOT BUILT ALONG THE OUTER PROPERTY LINE, SIGNS SHALL BE MOUNTED IN THE MIDDLE OF THE CURB INSIDE THE OUTER CURB LINE. FOR ADDITIONAL SIGN INFORMATION, SEE **GROUND MOUNTED STREET NAME SIGN DETAIL, T29-01.**

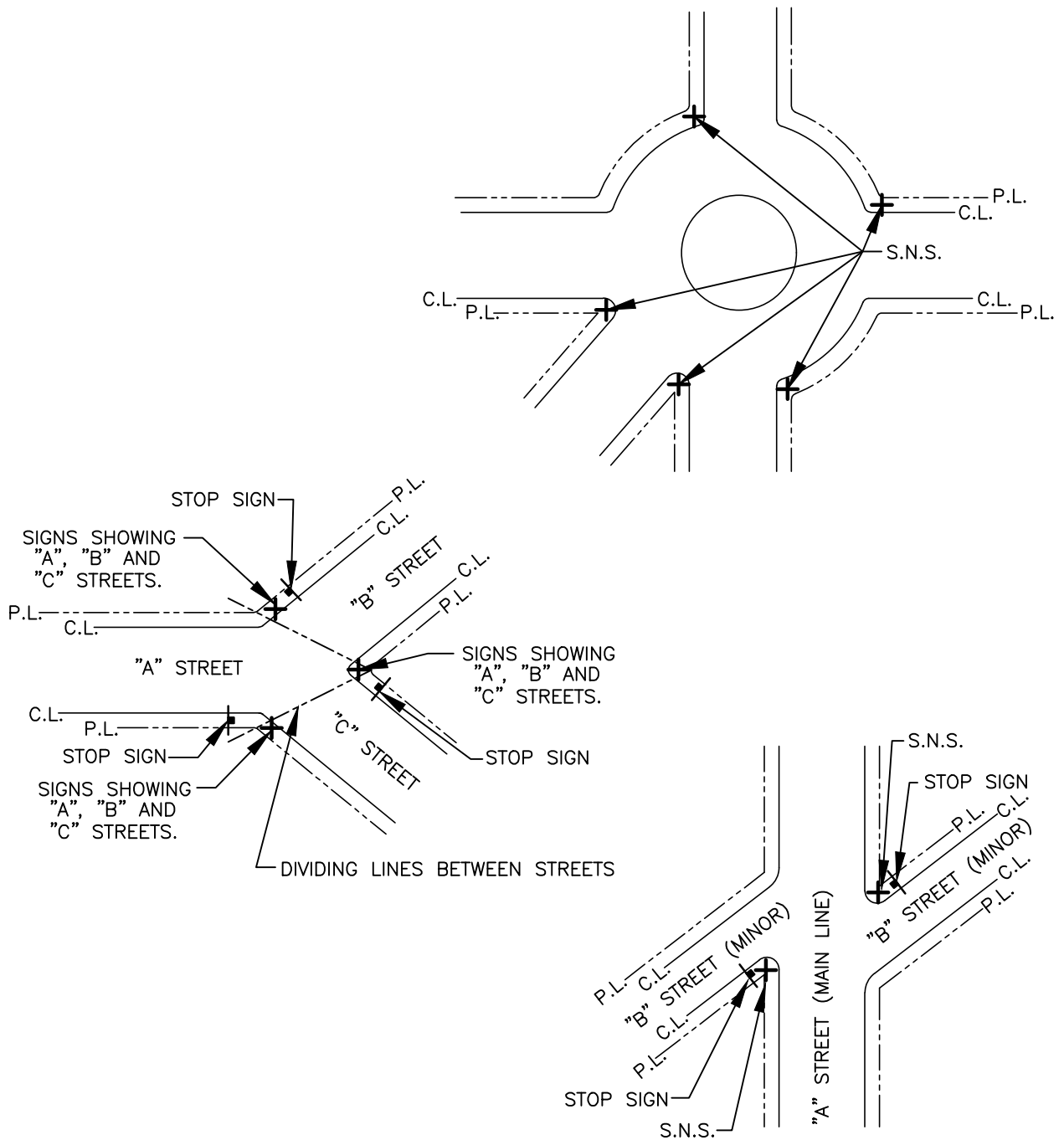
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REV NO.	DATE	BY	APPR	PUBLIC WORKS - STREETS AND TRANSPORTATION
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2	3/06	RAW	AGE	
3	2/07	RAW	AGE	
4	8/08	RAW	AGE	
5	1/15	RAW	CJC	
6	9/21	RAW	CJC	

APPROVED BY: *[Signature]*
TRAFFIC ENGINEER MANAGER
APPROVED DATE: 9/1/2021



STREET NAME SIGN PLACEMENT AT ANGLED AND CURVED INTERSECTIONS	STANDARD PLAN NUMBER
	T29-06



"SPECIAL CONDITION" INTERSECTIONS

MOST OF THE INTERSECTIONS IN THE CITY FALL INTO THESE CATEGORIES OUTLINED IN SECTIONS A THROUGH E. THERE ARE MANY INTERSECTIONS, HOWEVER, THAT FALL INTO NO PATTERN AND ARE DIFFICULT TO CLASSIFY. THESE ARE KNOWN AS "SPECIAL CONDITION" INTERSECTIONS. THIS SECTION CONTAINS EXAMPLES OF THESE INTERSECTIONS WITH SUGGESTED SIGN LOCATIONS. IT IS REALIZED THAT THE EXAMPLES ARE NOT ALL-INCLUSIVE, BUT SHOULD ACT AS GUIDES FOR SIGN MOUNTING AT RELATED INTERSECTIONS. AT INTERSECTIONS OF ODD CONFIGURATION THAT CANNOT BE CLASSIFIED, SIGNS SHALL BE PLACED SUCH THAT THEY ARE VISIBLE FROM ALL APPROACHES. FOR ADDITIONAL SIGN INFORMATION, SEE **GROUND MOUNTED STREET NAME SIGN DETAIL, T29-01.**

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REV NO.	DATE	BY	APPR	AGE
1	1/05	RAW	AGE	
2	3/06	RAW	AGE	
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4	8/08	RAW	AGE	
5	1/15	RAW	CJC	
6	9/21	RAW	CJC	

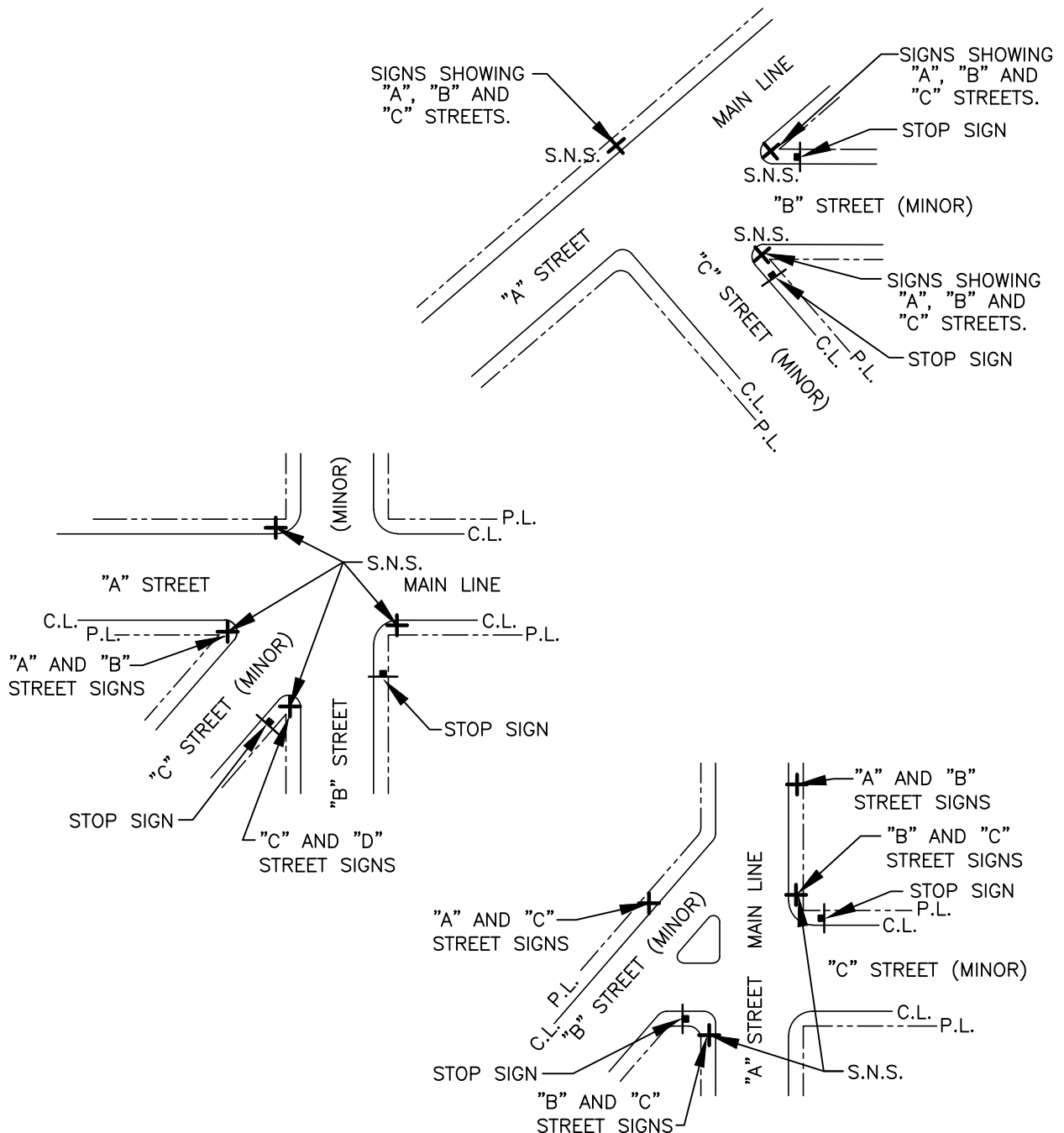
PUBLIC WORKS – STREETS AND TRANSPORTATION

APPROVED BY: *[Signature]*
TRAFFIC ENGINEER MANAGER

APPROVED DATE: 9/1/2021



STREET NAME SIGN PLACEMENT AT "SPECIAL CONDITIONS" INTERSECTIONS	STANDARD PLAN NUMBER T29-07A
--	------------------------------------



"SPECIAL CONDITION" INTERSECTIONS

MOST OF THE INTERSECTIONS IN THE CITY FALL INTO THESE CATEGORIES OUTLINED IN SECTIONS A THROUGH E. THERE ARE MANY INTERSECTIONS, HOWEVER, THAT FALL INTO NO PATTERN AND ARE DIFFICULT TO CLASSIFY. THESE ARE KNOWN AS "SPECIAL CONDITION" INTERSECTIONS. THIS SECTION CONTAINS EXAMPLES OF THESE INTERSECTIONS WITH SUGGESTED SIGN LOCATIONS. IT IS REALIZED THAT THE EXAMPLES ARE NOT ALL-INCLUSIVE, BUT SHOULD ACT AS GUIDES FOR SIGN MOUNTING AT RELATED INTERSECTIONS. AT INTERSECTIONS OF ODD CONFIGURATION THAT CANNOT BE CLASSIFIED, SIGNS SHALL BE PLACED SUCH THAT THEY ARE VISIBLE FROM ALL APPROACHES. FOR ADDITIONAL SIGN INFORMATION, SEE **GROUND MOUNTED STREET NAME SIGN DETAIL, T29-01.**

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REV NO.	DATE	BY	APPR	AGE
1	1/05	RAW		AGE
2	3/06	RAW		AGE
3	2/07	RAW		AGE
4	8/08	RAW		AGE
5	1/15	RAW	CJC	
6	9/21	RAW	CJC	

PUBLIC WORKS – STREETS
AND TRANSPORTATION

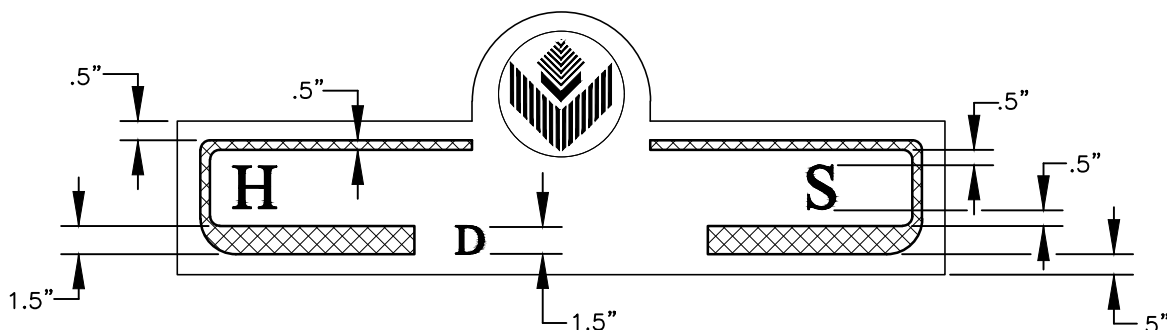
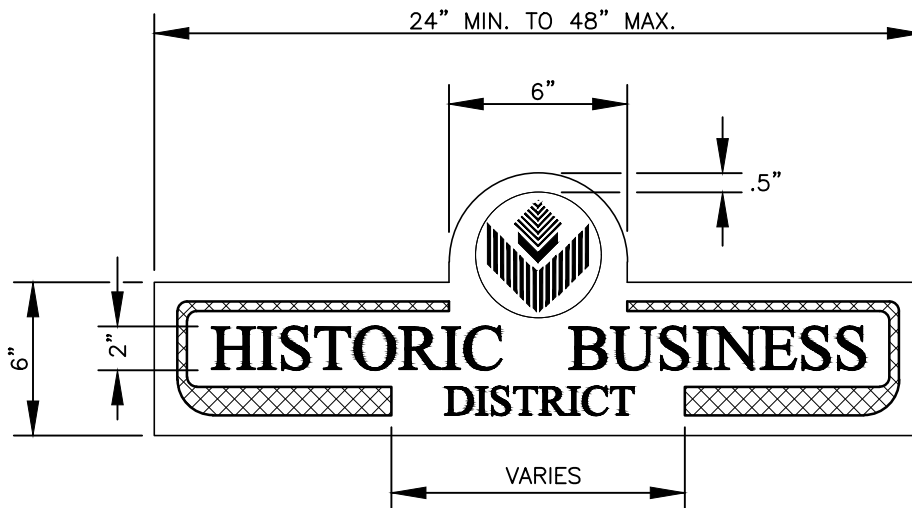
APPROVED BY: *[Signature]*
TRAFFIC ENGINEER MANAGER

APPROVED DATE: 9/1/2021

CITY OF
Vancouver
WASHINGTON

STREET NAME SIGN
PLACEMENT AT
"SPECIAL CONDITIONS" INTERSECTIONS

STANDARD PLAN
NUMBER
T29-07B



NOTES:

1. FACE LEGEND AND BORDER SHALL BE WHITE, EACH DISTRICT SHALL CHOOSE COLOR OF BACKGROUND.
2. LETTERING SHALL BE TIMES NEW ROMAN.
3. ENGINEER SHALL APPROVE SIGN PRIOR TO FABRICATION.
4. ALL SIGN MATERIALS AND ATTACHMENT HARDWARE SHALL CONFORM TO MUTCD AND WSDOT STANDARD SPECIFICATIONS.
5. FOR SIGN MANUFACTURING DETAILS SEE CHAPTER 3, SECTION 3-09 PERMANENT SIGNING OF THE CITY OF VANCOUVER AMENDMENTS TO THE STANDARDS AND SPECIFICATIONS FOR TRAFFIC CONTROL DEVICES AND LIGHTING.

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REV NO.	DATE	BY	APPR	PUBLIC WORKS – STREETS AND TRANSPORTATION
1	1/05	RAW	AGE	
2	3/06	RAW	AGE	
3	2/07	RAW	AGE	
4	8/08	RAW	AGE	
5	1/15	RAW	CJC	
6	9/21	RAW	CJC	

APPROVED BY: *[Signature]*
TRAFFIC ENGINEER MANAGER
APPROVED DATE: 9/1/2021



SIGN TOPPER DETAIL

STANDARD PLAN
NUMBER

T29-08



(MODIFIED R7-107)

NOTES:

1. **"NO PARKING FIRE LANE"** SHALL BE POSTED WHEREVER PARKING COULD OBSTRUCT THE REQUIRED 20' FIRE APPARATUS ACCESS LANE. "NO PARKING FIRE LANE" SHALL BE POSTED TO THE FOLLOWING STANDARDS:
 - ACCESS ROADS LESS THAN 28' NO PARKING ALLOWED ON STREET;
 - ACCESS ROADS 28' TO 36' PARKING ONLY ON ONE (1) SIDE;
 - ACCESS ROADS 36' AND GREATER PARKING ON BOTH SIDES.
 - CUL-DE-SACS THAT ARE SPECIFICALLY REQUIRED BY THE FIRE DEPARTMENT FOR TURN-AROUND WITH A RADIUS OF LESS THAN 43' NO PARKING IN RADIUS OF CUL-DE-SAC.
2. PARKING RESTRICTION SIGNS SHALL BE INSTALLED AT 45° TO ROADWAY.
3. FOR ADDITIONAL INFORMATION, SEE COV VANCOUVER FIRE MARSHAL'S OFFICE STD. PLAN F-503.3.

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REV NO.	DATE	BY	APPR	AGE
1	1/05	RAW	AGE	
2	3/06	RAW	AGE	
3	2/07	RAW	AGE	
4	8/08	RAW	AGE	
5	1/15	RAW	CJC	
6	9/21	RAW	CJC	

PUBLIC WORKS - STREETS AND TRANSPORTATION

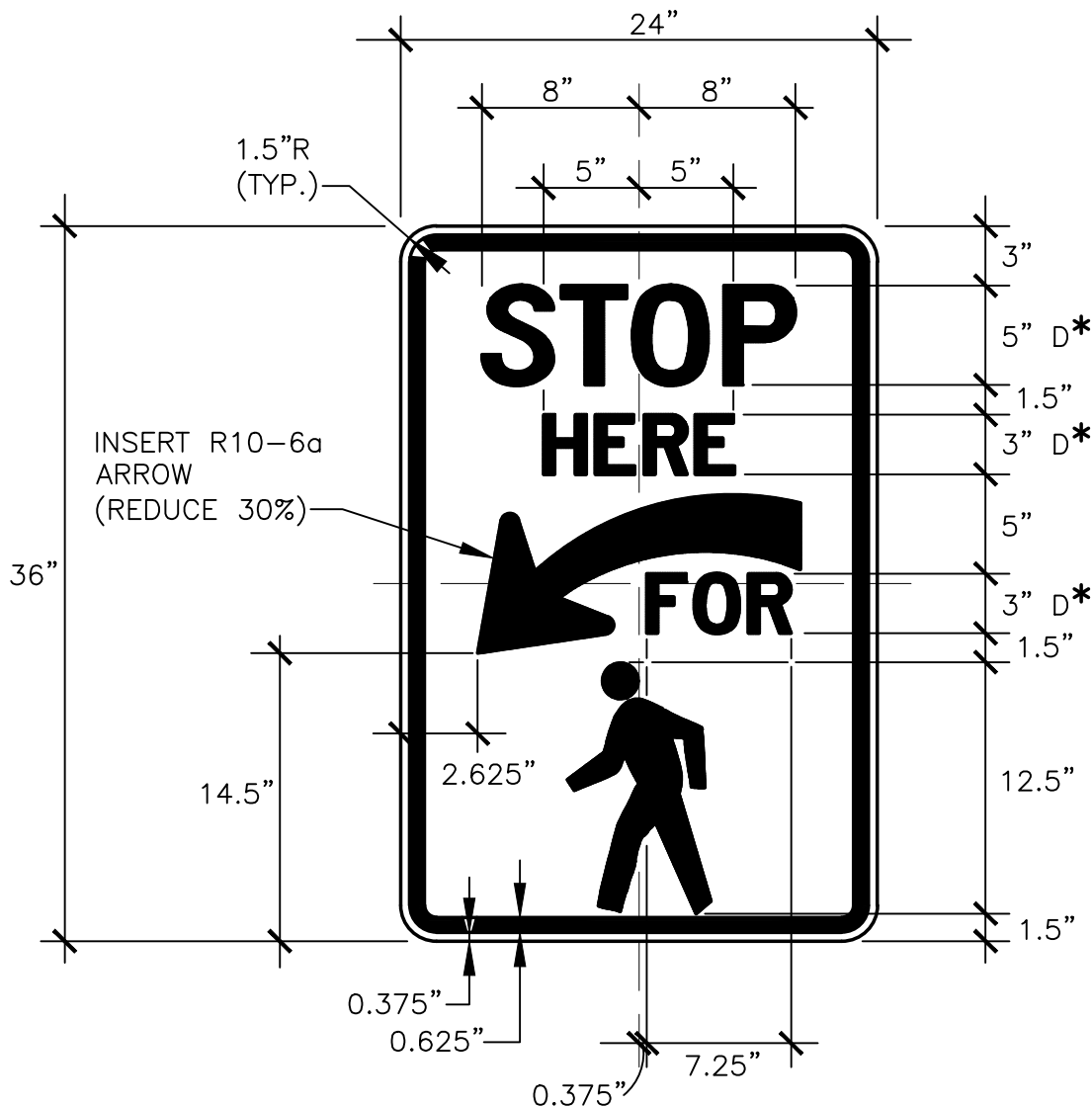
APPROVED BY: *[Signature]*
TRAFFIC ENGINEER MANAGER

APPROVED DATE: 9/1/2021



NO PARKING
FIRE LANE
SIGN DETAIL

STANDARD PLAN
NUMBER
T29-09



NOTES:

REV NO.	DATE	BY	APPR	
1	3/06	RAW	AGE	PUBLIC WORKS – STREETS AND TRANSPORTATION  APPROVED BY: _____ TRAFFIC ENGINEER MANAGER APPROVED DATE: _____ 9/1/2021
2	2/07	RAW	AGE	
3	8/08	RAW	AGE	
4	1/15	RAW	CJC	
5	9/21	RAW	CJC	

STOP HERE FOR
PEDESTRIANS
SIGN DETAIL

SIGNING GENERAL NOTES:

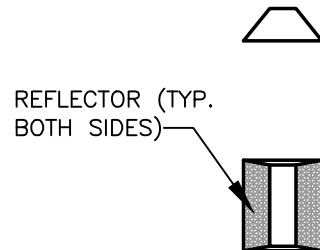
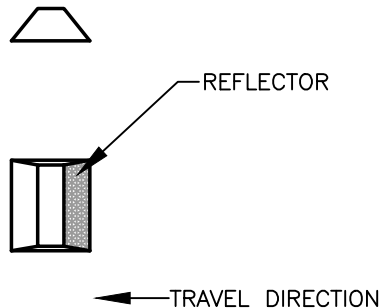
1. STREET NAME SIGN SHALL BE ALUMINUM SHEETING, FLAT STOCK, IN LENGTHS OF 6" INCREMENTS.
2. SIGN FACE SHALL BE FABRICATED FROM CUBED CORNERED LENS (VIP, TYPE A) REFLECTIVE MATERIAL. FACE LEGEND AND BORDER SHALL BE WHITE ON A GREEN BACKGROUND.
3. LETTERING SHALL BE A COMBINATION OF UPPER AND LOWER CASE LETTERS PER FHWA STANDARDS. THE PREFIX/SUFFIX WILL BE INITIAL UPPER CASE LETTERS AT HALF HEIGHT AND CENTERED ON THE PRIMARY COPY. STREET NAMES WILL BE LOWER CASE LETTER WITH THE FIRST LETTER UPPER CASE. IF STREET NAME IS A NUMBERED STREET THEN THE SUFFIX OF THE PRIMARY COPY SHALL BE LOWER CASE SUPERScript AND SHALL BE HALF THE HEIGHT OF THE PRIMARY COPY'S CAPITAL LETTERS.
4. ALL SIGN MATERIALS AND ATTACHMENT HARDWARE SHALL CONFORM TO MUTCD AND WSDOT STANDARD SPECIFICATIONS.
5. WHEN SIGN REQUIRES TWO MESSAGE LINES, WIDTH SHALL BE INCREASED AND AN ARROW SHALL BE ADDED TO BOTH MESSAGE LINES (LEFT ARROW LEFT OF THE DIRECTION AND RIGHT ARROW ON THE RIGHT).
6. ENGINEER SHALL APPROVE FACE COPY PRIOR TO FABRICATION.

STRIPING GENERAL NOTES:

1. ALL MARKINGS WILL BE THERMOPLASTIC UNLESS OTHERWISE NOTED ON PLANS.
2. REMOVAL OF EXISTING STRIPING IS TO BE DETERMINED IN THE FIELD AND IS CONSIDERED INCIDENTAL WORK, STRIPING SHALL BE GROUND OFF AS DIRECTED BY THE ENGINEER.
3. STRIPING REMOVAL SHALL BE PER HYDROJET OR AS DIRECTED BY THE ENGINEER.
4. AREAS OF STRIPING NOT RESURFACED SHALL BE FOG SEALED. AREA TO BE PAINTED SHALL BE FOG SEALED PRIOR TO PAINTING.

TYPE 2 RPM RAISED FACE COLORS	
TYPE 2WR	WHITE AND RED
TYPE 2YR	YELLOW AND RED
TYPE 2YY	YELLOW AND YELLOW
TYPE 2WW	WHITE AND WHITE
TYPE 2W	WHITE – ONE SIDE

FOR ADDITIONAL INFORMATION ON RAISED
PAVEMENT MARKINGS SEE WASHINGTON
STANDARD SPECIFICATIONS SECTION 9-21.



TYPE 2 RPM
REFLECTORS ON ONE SIDE

TYPE 2 RPM
REFLECTORS ON BOTH SIDES

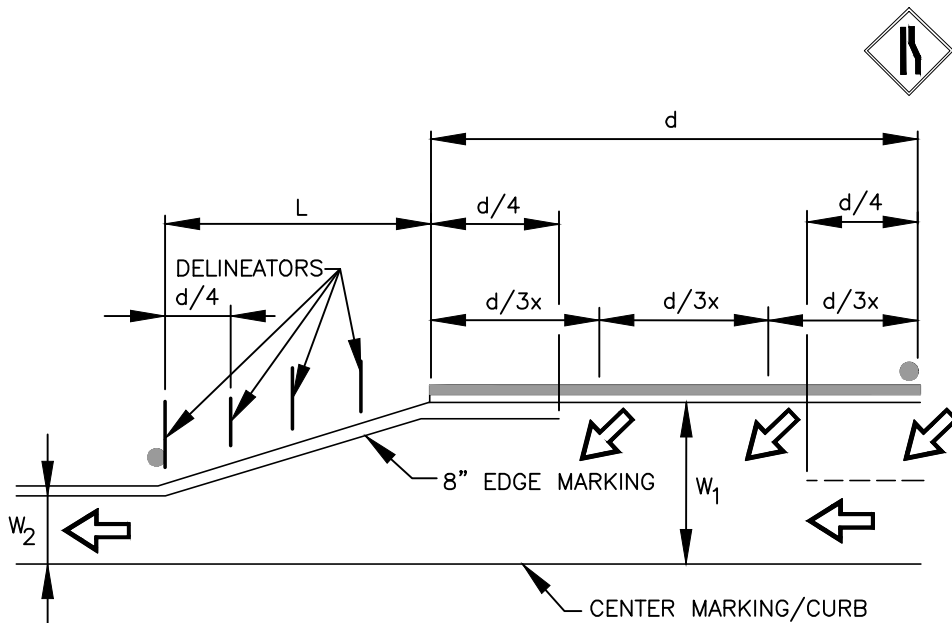
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REV NO.	DATE	BY	APPR	PUBLIC WORKS – STREETS AND TRANSPORTATION	
1	8/08	RAW	AGE		
2	1/15	RAW	AGE	 APPROVED BY: TRAFFIC ENGINEER MANAGER APPROVED DATE: 9/1/2021	
3	3/17	RAW	CJC		
4	7/18	RAW	CJC		
5	7/19	RAW	CJC		
6	9/21	RAW	CJC		



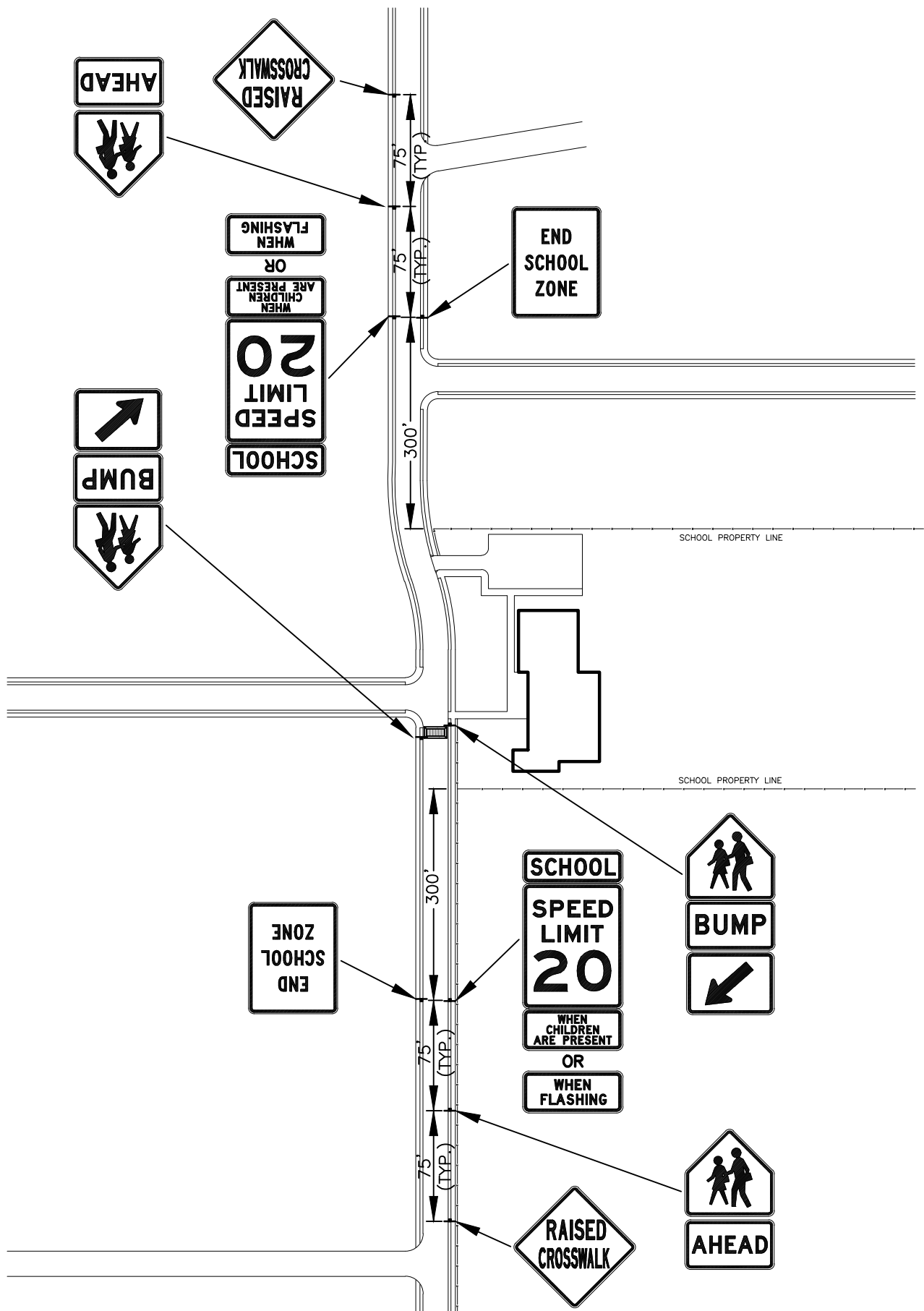
SIGNING AND
STRIPING
GENERAL NOTES

STANDARD PLAN
NUMBER
T29-20



$$d=12.5(\text{S})$$

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REV NO.	DATE	BY	APPR	AGE
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2	3/06	RAW	AGE	
3	2/07	RAW	AGE	
4	8/08	RAW	AGE	
5	1/15	RAW	CJC	
6	9/21	RAW	CJC	

PUBLIC WORKS – STREETS AND TRANSPORTATION

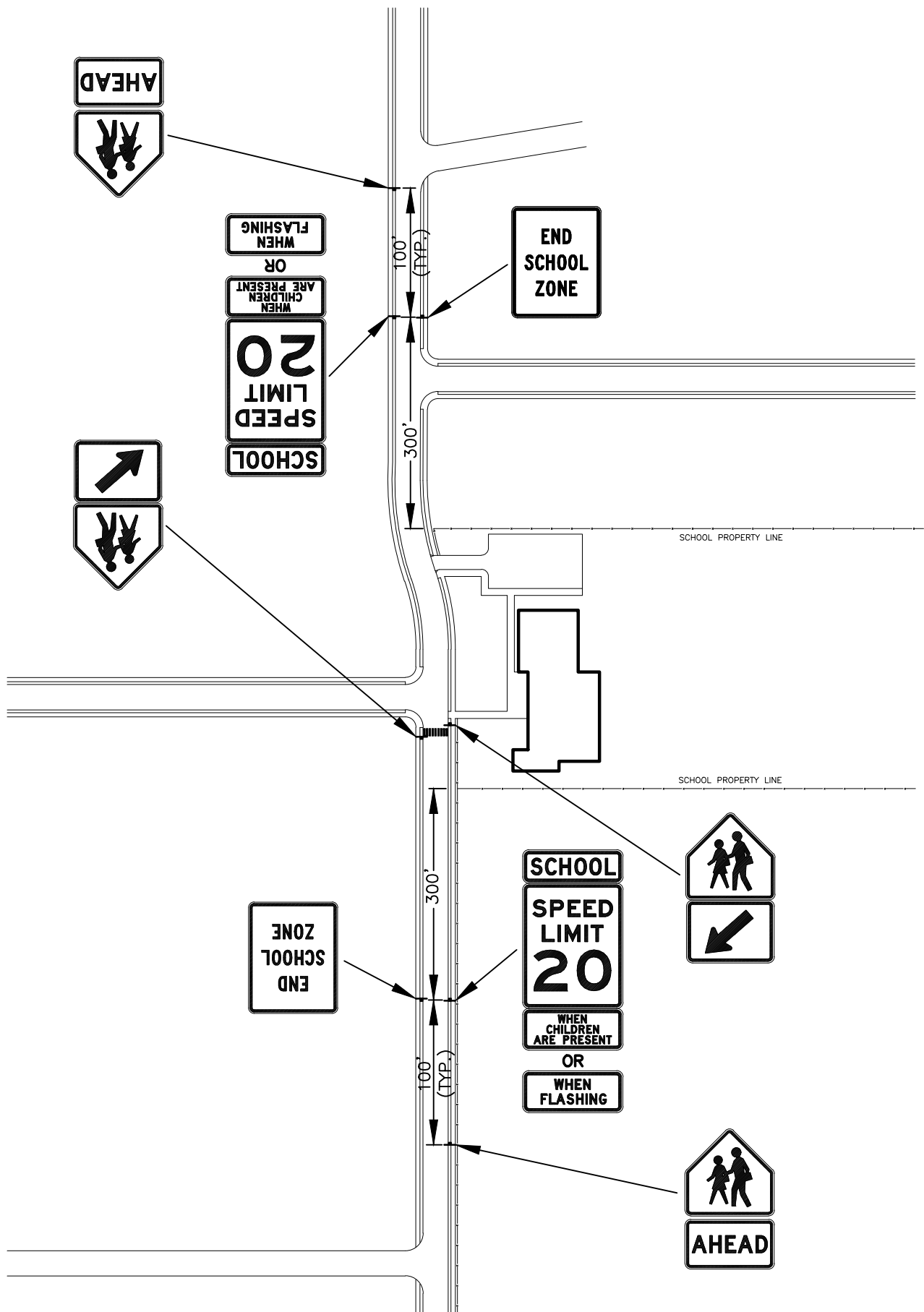
APPROVED BY: *[Signature]*
TRAFFIC ENGINEER MANAGER

APPROVED DATE: 9/1/2021

CITY OF
Vancouver
WASHINGTON

TYPICAL SIGNING FOR SCHOOL AREA TRAFFIC CONTROL WITH RAISED CROSSWALK	STANDARD PLAN NUMBER T29-22
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REV NO.	DATE	BY	APPR	AGE
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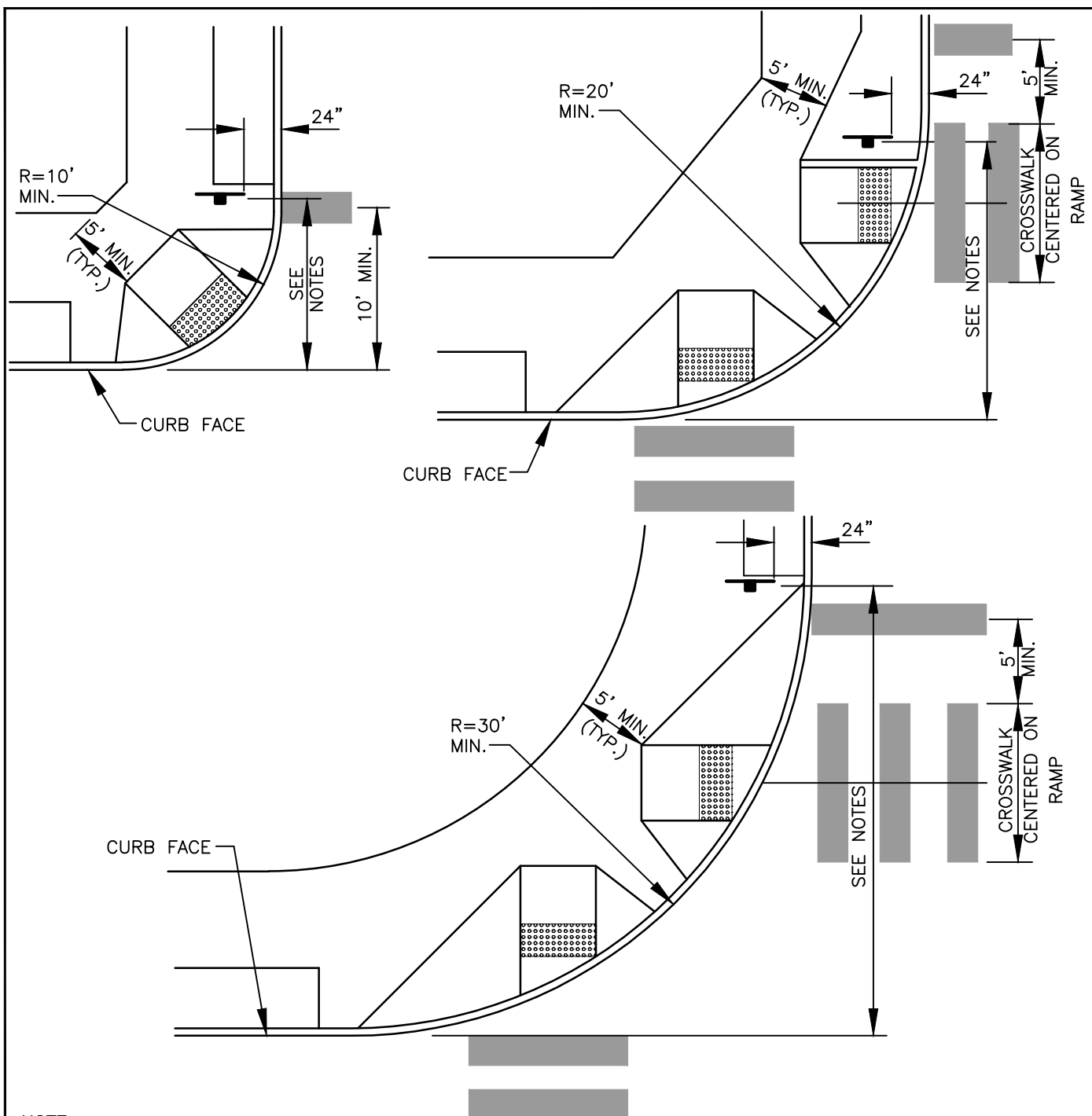
PUBLIC WORKS – STREETS AND TRANSPORTATION

APPROVED BY: *[Signature]*
TRAFFIC ENGINEER MANAGER

APPROVED DATE: 9/1/2021



TYPICAL SIGNING FOR SCHOOL AREA TRAFFIC CONTROL	STANDARD PLAN NUMBER T29-23
---	--------------------------------



NOTE:

THE STOP SIGN SHALL BE LOCATED AS CLOSE AS PRACTICAL TO THE INTERSECTION IT REGULATES, WHILE OPTIMIZING ITS VISIBILITY.

GUIDANCE:

STOP BARS, WHEN USED TO SUPPLEMENT A STOP SIGN, SHOULD BE AT THE POINT WHERE THE USER SHOULD STOP.

OPTION:

AT WIDE-THROAT INTERSECTIONS OR WHERE TWO OR MORE APPROACH LANES OF TRAFFIC EXIST ON THE SIGNED APPROACH, OBSERVANCE OF THE STOP CONTROL MAY BE IMPROVED BY THE INSTALLATION OF AN ADDITIONAL STOP SIGN ON THE LEFT SIDE OF THE ROAD AND/OR USE OF A STOP BAR. AT CHANNELIZED INTERSECTIONS, THE ADDITIONAL STOP SIGN MAY BE EFFECTIVELY PLACED ON A CHANNELIZING ISLAND.

FOR ADDITIONAL INFORMATION, SEE MUTCD MANUAL SECTION 2B.06 FOR STOP SIGN PLACEMENT.

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REV NO.	DATE	BY	APPR	PUBLIC WORKS – STREETS AND TRANSPORTATION
1	3/06	RAW	AGE	
2	2/07	RAW	AGE	
3	8/08	RAW	AGE	
4	1/15	RAW	AGE	
5	7/18	RAW	CJC	
6	9/21	RAW	CJC	

APPROVED BY: *[Signature]*
TRAFFIC ENGINEER MANAGER
APPROVED DATE: 9/1/2021

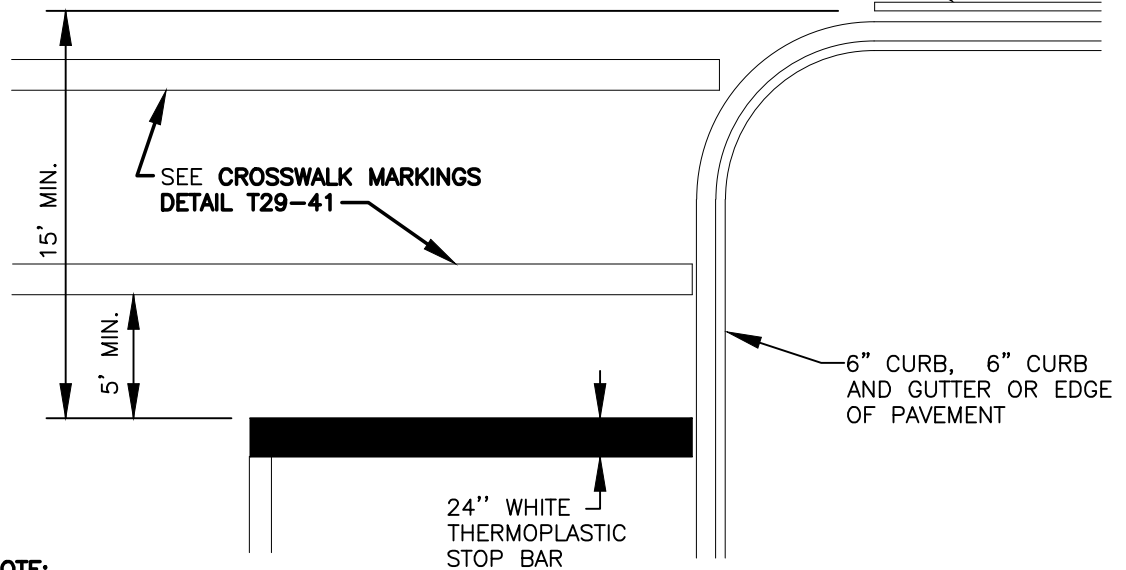


STOP SIGN, STOP BAR
AND CROSSWALK
LOCATIONS DETAILS

STANDARD PLAN
NUMBER

T29-24

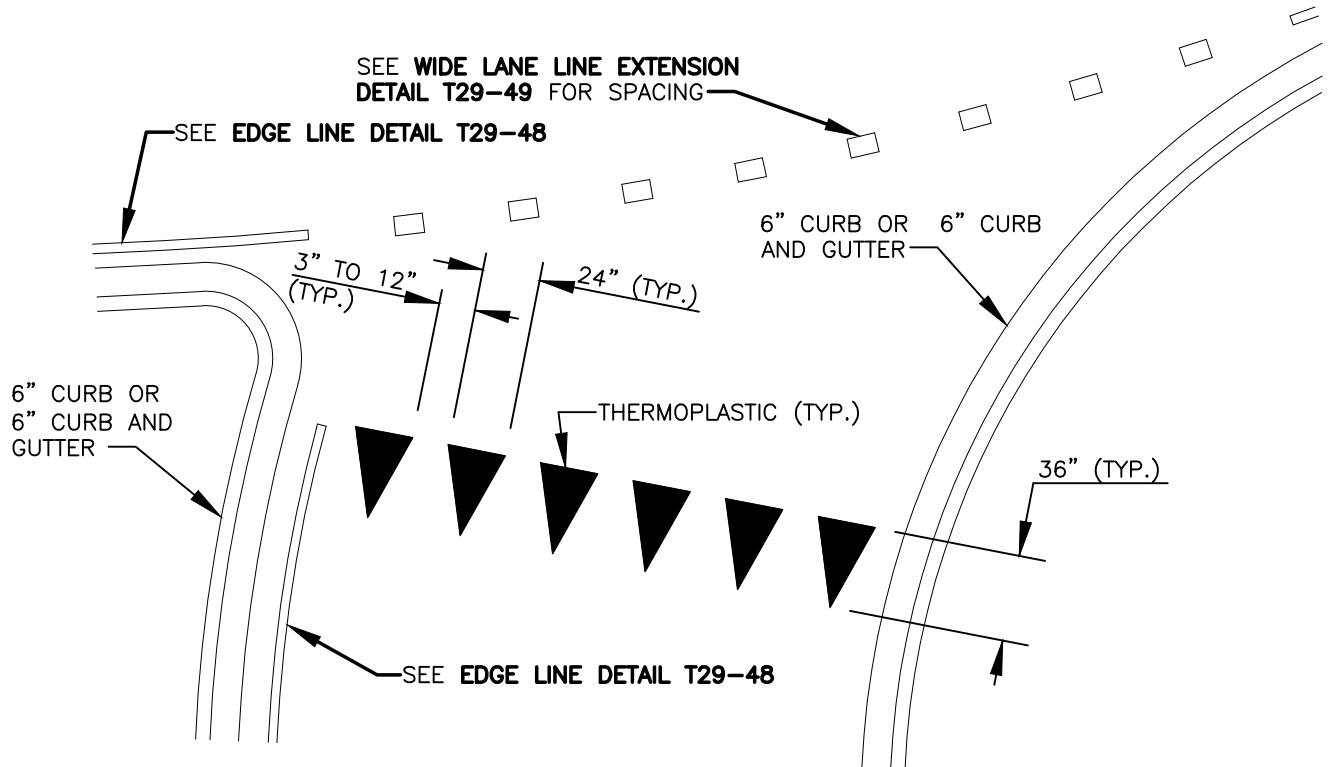
SEE EDGE LINE DETAIL T29-48



GENERAL NOTE:

LOCATE STOP BAR 5' MIN. IN ADVANCE OF THE NEAREST MARKED CROSSWALK OR IF NO CROSSWALK, 15' MIN. IN BACK OF THE EXTENDED FOG LINE. VERIFY SIGHT DISTANCE AND TRUCK MOVEMENTS.

STOP BAR



YIELD LINE BAR

NOTE:

SEE THE 2009 EDITION OF MUTCD, SECTIONS 3B.16, 3B.24, 3B.25 AND FIGURES 3B-14, 3B-26, 3B-27 FOR ADDITIONAL CIRCULAR INTERSECTION INFORMATION.

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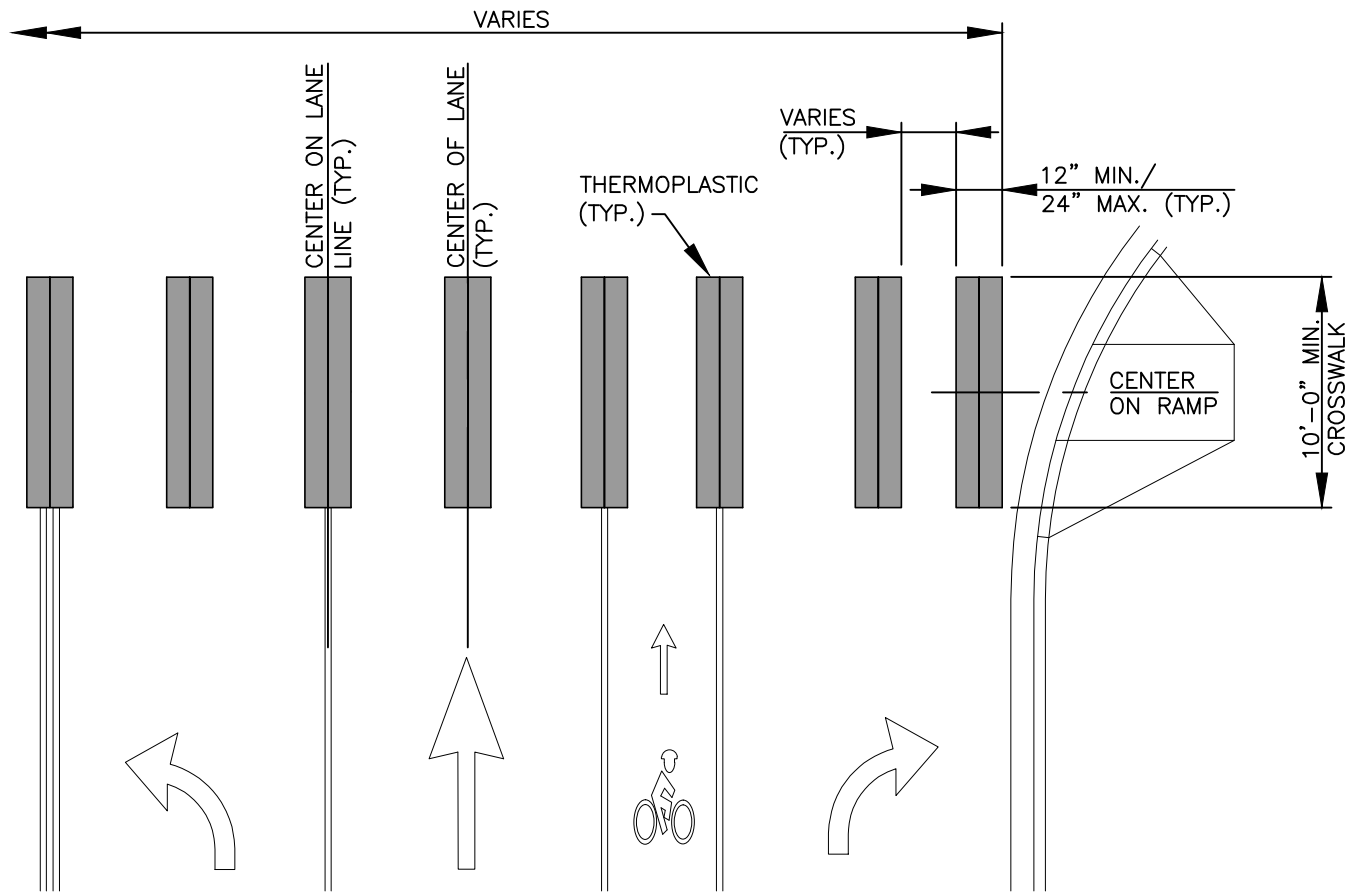
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3	2/07	RAW	AGE	
4	8/08	RAW	AGE	
5	7/14	RAW	CJC	
6	9/21	RAW	CJC	

APPROVED BY: *[Signature]*
TRAFFIC ENGINEER MANAGER
APPROVED DATE: 9/1/2021

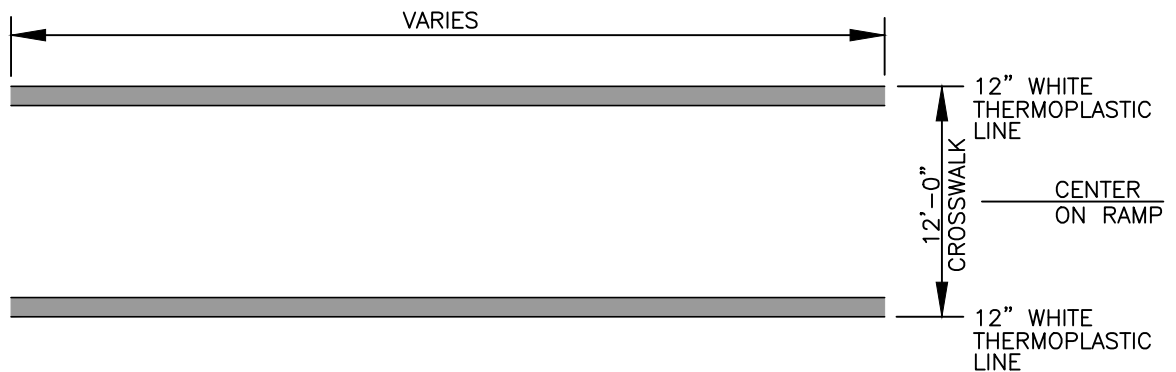
CITY OF
Vancouver
WASHINGTON

STOP BAR AND
YIELD LINE MARKINGS

STANDARD PLAN
NUMBER
T29-40



STANDARD CROSSWALK



CROSSWALK ALTERNATE

GENERAL NOTE:

1. LOCATE CROSSWALKS CENTERED ON WHEELCHAIR RAMP LOCATIONS OR 5' BACK OF EXTENDED FOG LINE, EDGE OF PAVEMENT OR CURB FACE.
2. USE OF CROSSWALK ALTERNATE ON APPROVAL OF TRAFFIC MANAGER.

I:\CITYAPPS\AUTOCAD\STD_DETAILS\DRAWING_FILES\T29-41

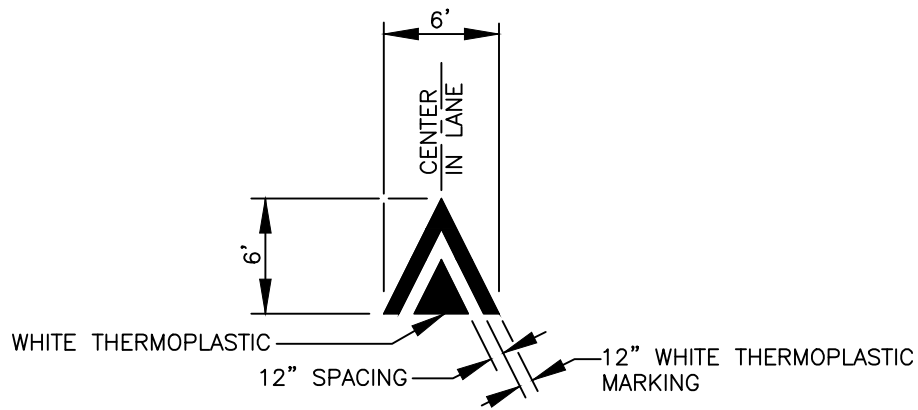
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3	2/07	RAW	AGE	
4	8/08	RAW	AGE	
5	1/15	RAW	CJC	
6	9/21	RAW	CJC	

APPROVED BY: *[Signature]*
 TRAFFIC ENGINEER MANAGER
 APPROVED DATE: 9/1/2021

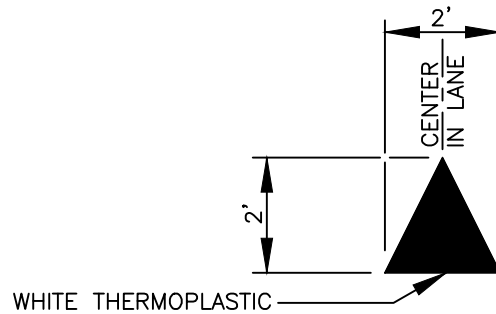


CROSSWALK
LINE MARKINGS

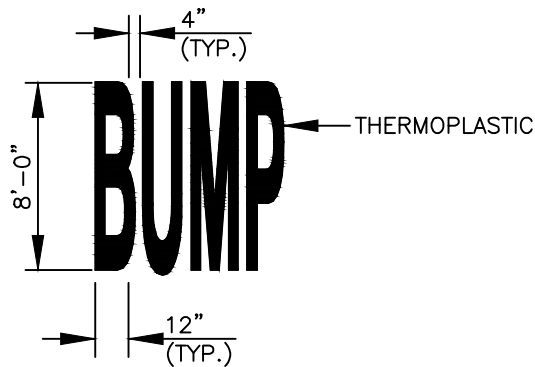
STANDARD PLAN
NUMBER
T29-41



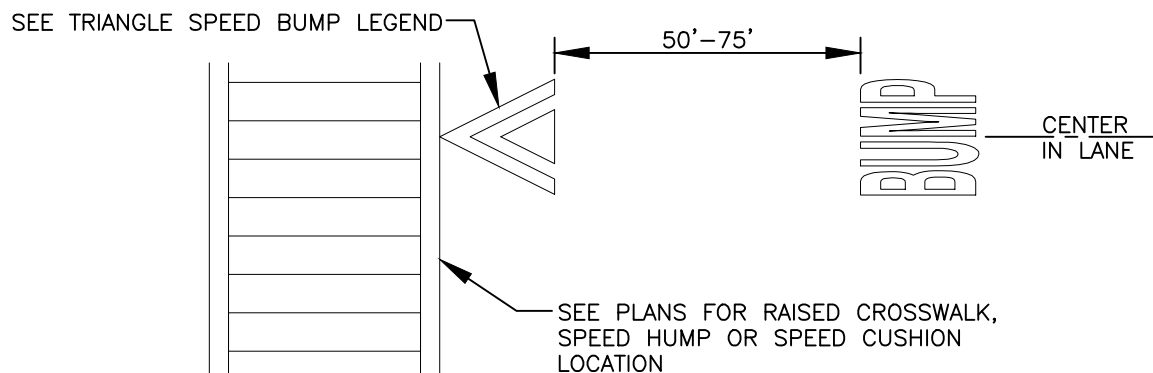
TRIANGLE SPEED BUMP LEGEND



BIKE LANE TRIANGLE SPEED BUMP LEGEND



BUMP LEGEND



BUMP LEGEND AT RAISED CROSSWALK

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REV NO.	DATE	BY	APPR	AGE
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2	3/06	RAW	AGE	
3	2/07	RAW	AGE	
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5	1/15	RAW	CJC	
6	9/21	RAW	CJC	

PUBLIC WORKS – STREETS
AND TRANSPORTATION

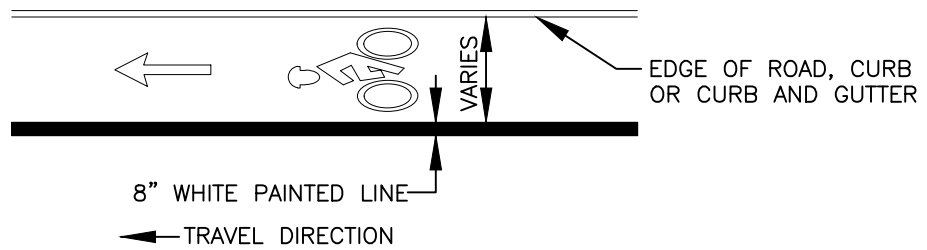
APPROVED BY: *[Signature]*
TRAFFIC ENGINEER MANAGER

APPROVED DATE: 9/1/2021



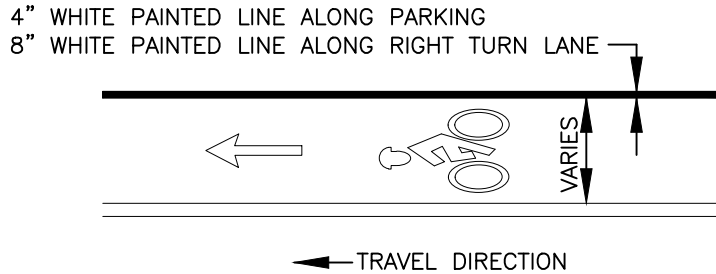
TRIANGLE SPEED BUMP
LEGEND AND BUMP LEGEND
AT RAISED CROSSWALK

STANDARD PLAN
NUMBER
T29-42

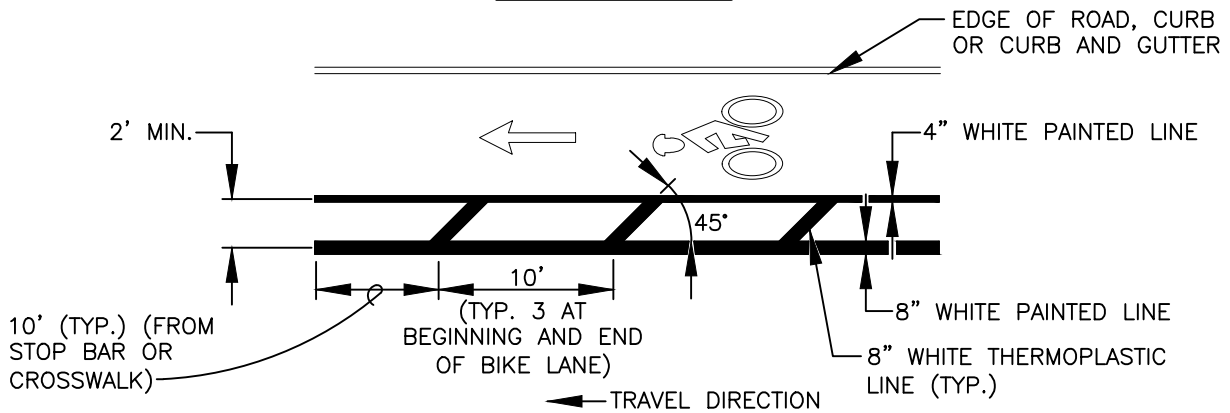


BIKE LANE LINE

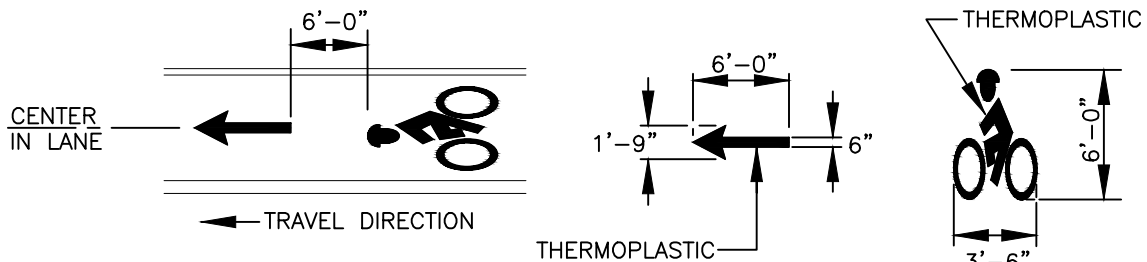
LANE WIDTH PREFERABLE 5' TO 6'



BIKE EDGE LINE



BIKE LANE BUFFER ZONE AREA MARKING



BICYCLE LANE MARKING

BICYCLE LANE MARKING PLACEMENT LOCATIONS:

- AT THE BEGINNING OF BIKE LANES.
- AT THE "OUT" SIDE OF THE INTERSECTION.
- AT MAJOR CHANGES IN DIRECTION.
- AT INTERVALS NOT TO EXCEED 550' MAX.
- AT BOTH SIDES OF THE VEHICULAR RIGHT TURN LANE WHERE BIKE LANE TRANSITIONS FROM EDGE OF ROAD TO BETWEEN THROUGH LANE AND RIGHT TURN LANE, SEE MUTCD FIGURE 9C-4.

I:\CITYAPPS\AUTOCAD\STD_DETAILS\DRAWING_FILES\T29-43

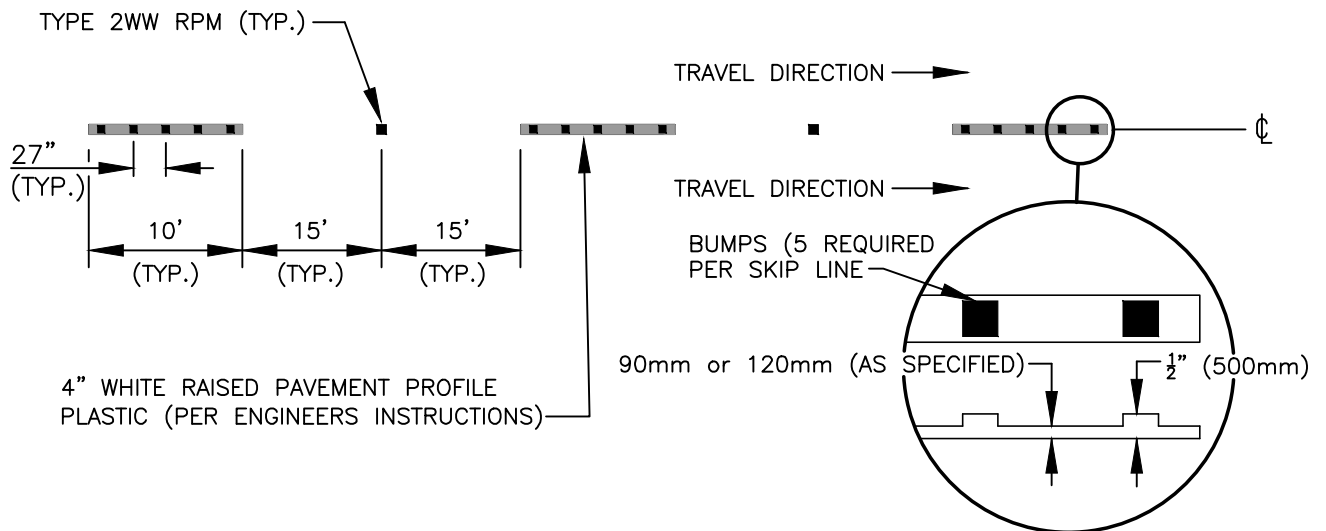
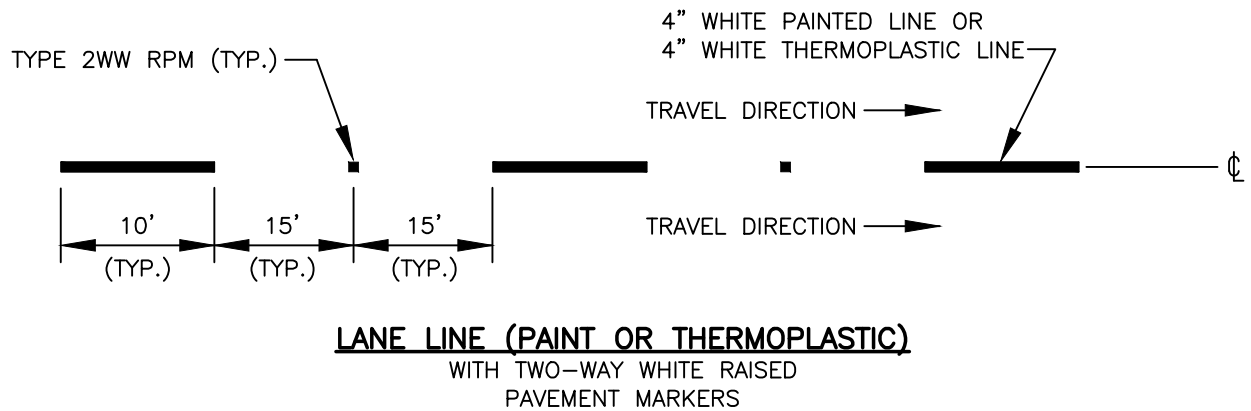
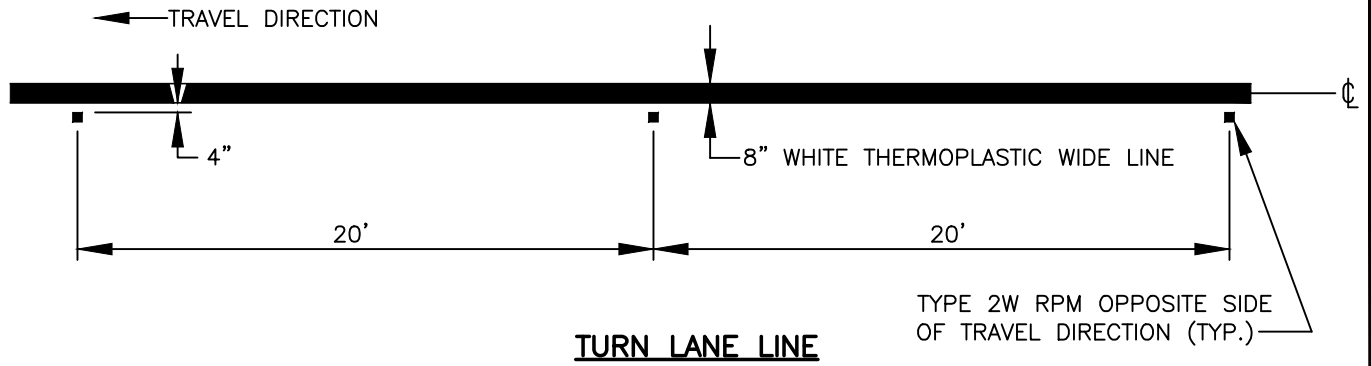
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5	10/19	RAW	CJC	
6	9/21	RAW	CJC	

APPROVED BY: *[Signature]*
TRAFFIC ENGINEER MANAGER
APPROVED DATE: 9/1/2021



BIKE LANE
MARKINGS
AND LEGENDS

STANDARD PLAN
NUMBER
T29-43



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REV NO.	DATE	BY	APPR	AGE
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2	7/14	RAW	AGE	
3	7/18	RAW	CJC	
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PUBLIC WORKS – STREETS
AND TRANSPORTATION

APPROVED BY: *[Signature]*
TRAFFIC ENGINEER MANAGER

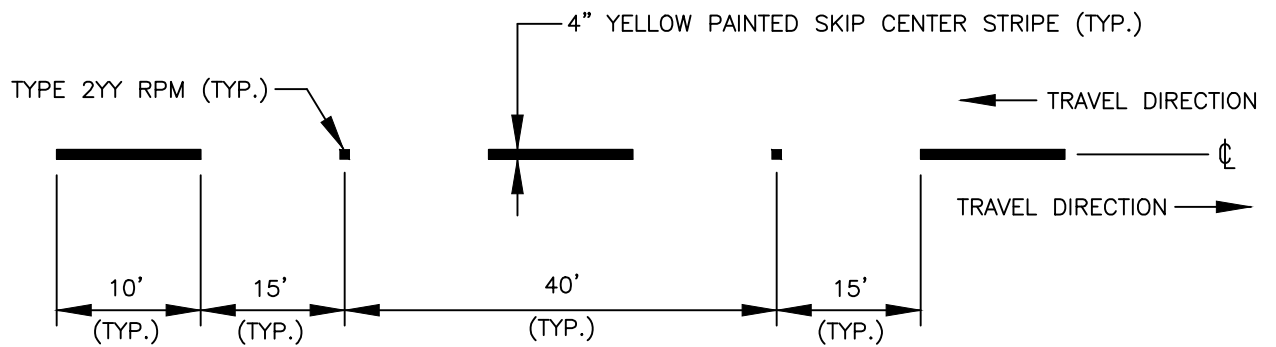
APPROVED DATE: 9/1/2021

CITY OF
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WASHINGTON

WHITE LANE LINE MARKINGS

STANDARD PLAN
NUMBER

T29-44



PAINTED TWO-WAY CENTER LINE MARKINGS
 WITH TYPE 2YY BI-DIRECTIONAL RAISED
 PAVEMENT MARKERS

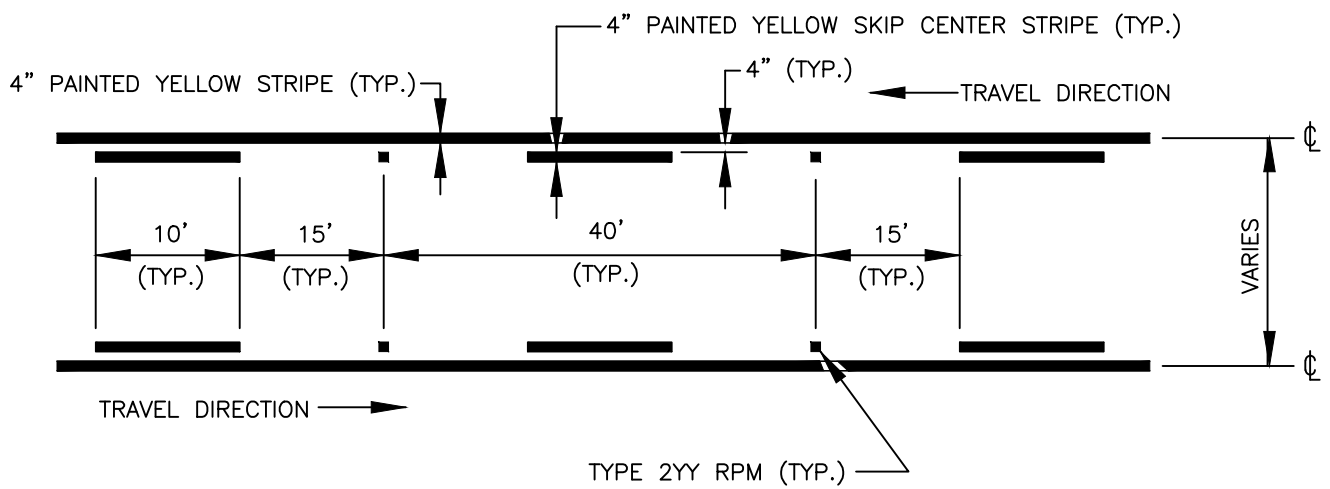
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5	7/19	RAW	CJC	
6	9/21	RAW	CJC	

APPROVED BY: *[Signature]*
 TRAFFIC ENGINEER MANAGER
 APPROVED DATE: 9/1/2021



YELLOW CENTERLINE MARKINGS	STANDARD PLAN NUMBER T29-45
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PAINTED TWO-WAY LEFT TURN LANE MARKINGS

I:\CITYAPP\AUTOCAD\STD_DETAILS\DRAWING_FILES\T29-46

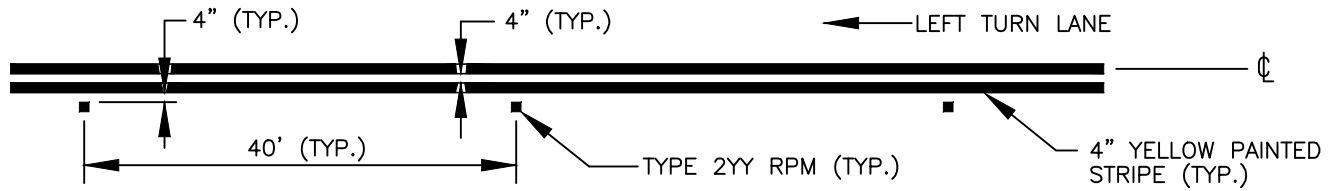
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3	1/15	RAW	CJC	
4	7/18	RAW	CJC	
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6	9/21	RAW	CJC	

APPROVED BY: *[Signature]*
TRAFFIC ENGINEER MANAGER
APPROVED DATE: 9/1/2021

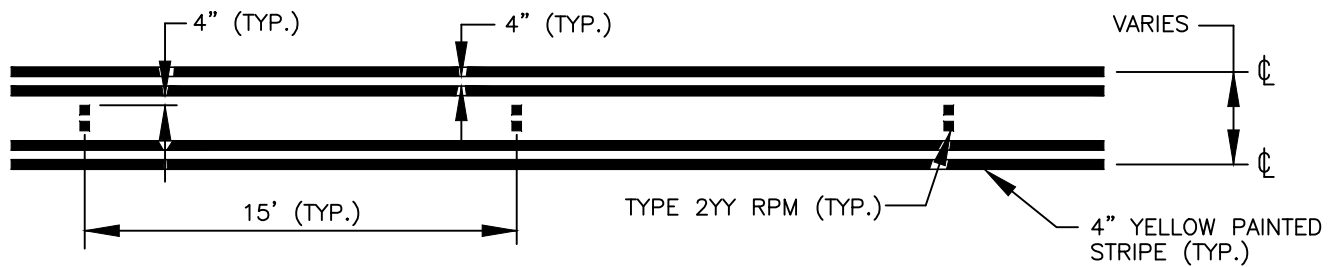


TWO-WAY
LEFT TURN
LANE MARKINGS

STANDARD PLAN
NUMBER
T29-46



PAINTED MEDIAN STRIPE MARKINGS



PAINTED MEDIAN STRIPE MARKINGS (VARYING WIDTH)

I:\CITYAPPS\AUTOCAD\STD_DETAILS\DRAWING_FILES\T29-47

REV NO.	DATE	BY	APPR	PUBLIC WORKS – STREETS AND TRANSPORTATION
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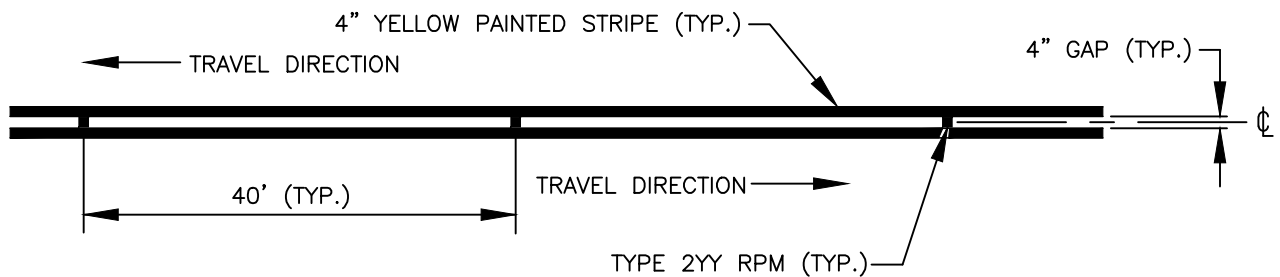
APPROVED BY: *[Signature]*
TRAFFIC ENGINEER MANAGER
APPROVED DATE: 9/1/2021



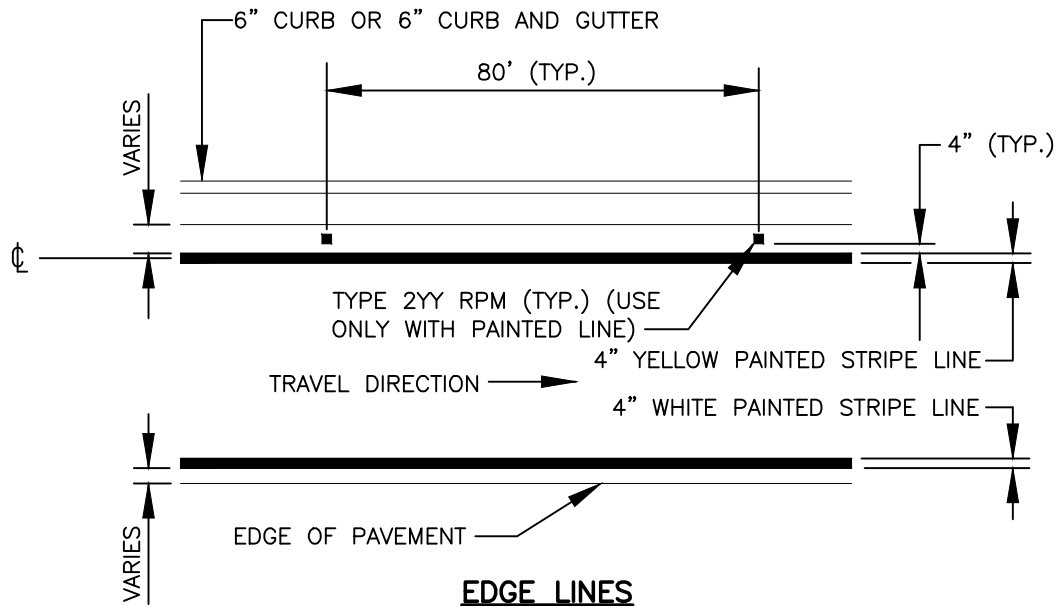
STRIPED
MEDIAN
MARKINGS

STANDARD PLAN
NUMBER

T29-47



PAINTED DOUBLE YELLOW CENTER LINE MARKINGS
WITH 2YY RAISED PAVEMENT MARKERS



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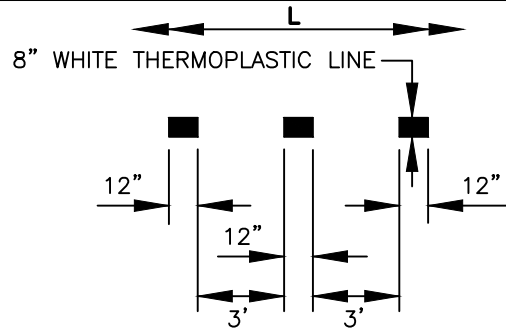
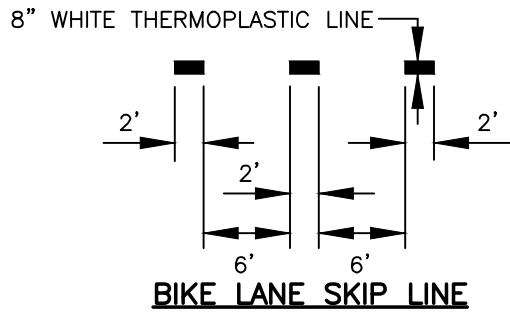
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5	7/19	RAW	CJC	
6	9/21	RAW	CJC	

APPROVED BY: *[Signature]*
TRAFFIC ENGINEER MANAGER
APPROVED DATE: 9/1/2021



CENTER LINE AND
EDGE LINE
MARKINGS

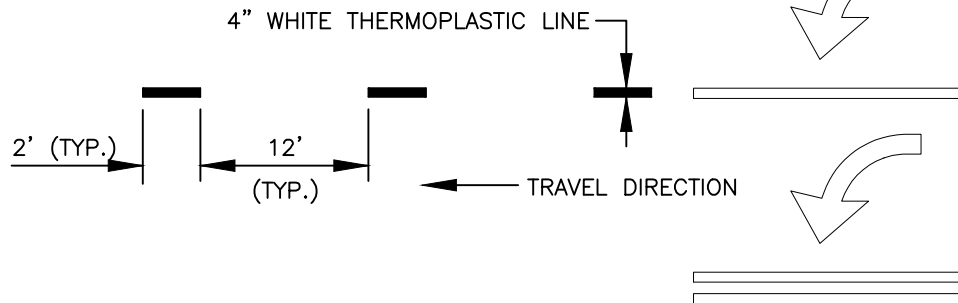
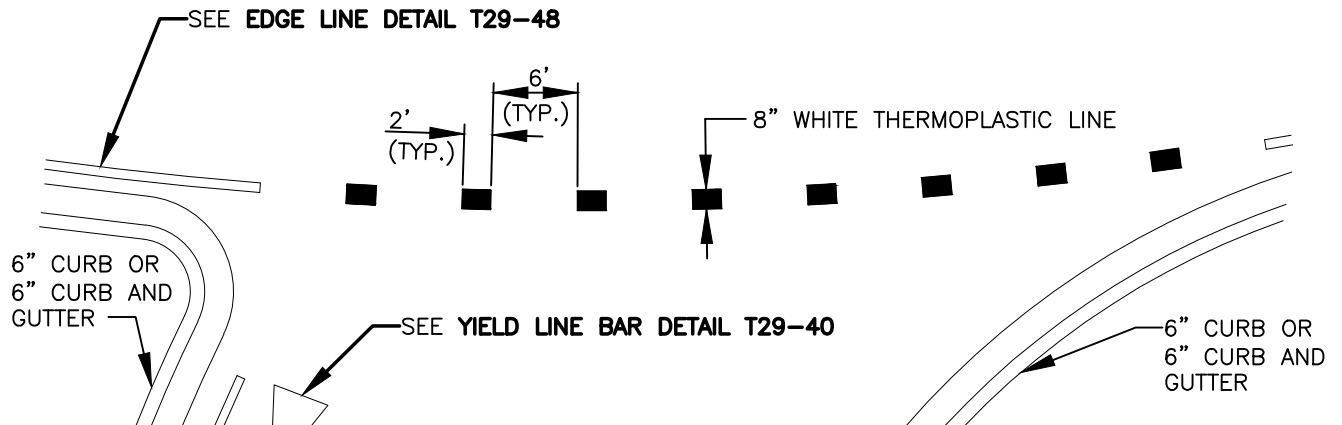
STANDARD PLAN
NUMBER
T29-48



$$L = \frac{V^2}{5} + 100' \text{ FOR 85\% SPEED, } V \leq 45 \text{ MPH}$$

$$L = 12V + 100' \text{ FOR 85\% SPEED, } V > 45 \text{ MPH}$$

LANE DROP SKIP LINE



LANE LINE EXTENSIONS THROUGH INTERSECTIONS

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REV NO.	DATE	BY	APPR	AGE
1	8/08	RAW		
2	7/14	RAW	CJC	
3	7/18	RAW	CJC	
4	7/19	RAW	CJC	
5	2/21	OIS	CJC	
6	9/21	RAW	CJC	

PUBLIC WORKS - STREETS AND TRANSPORTATION

APPROVED BY: *[Signature]*

TRAFFIC ENGINEER MANAGER

APPROVED DATE: 9/1/2021



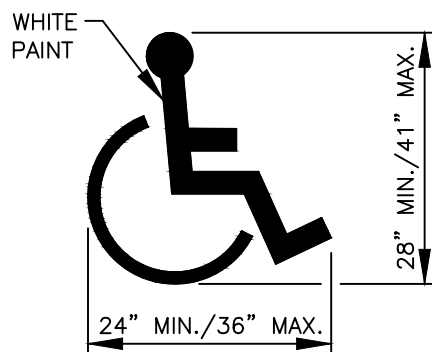
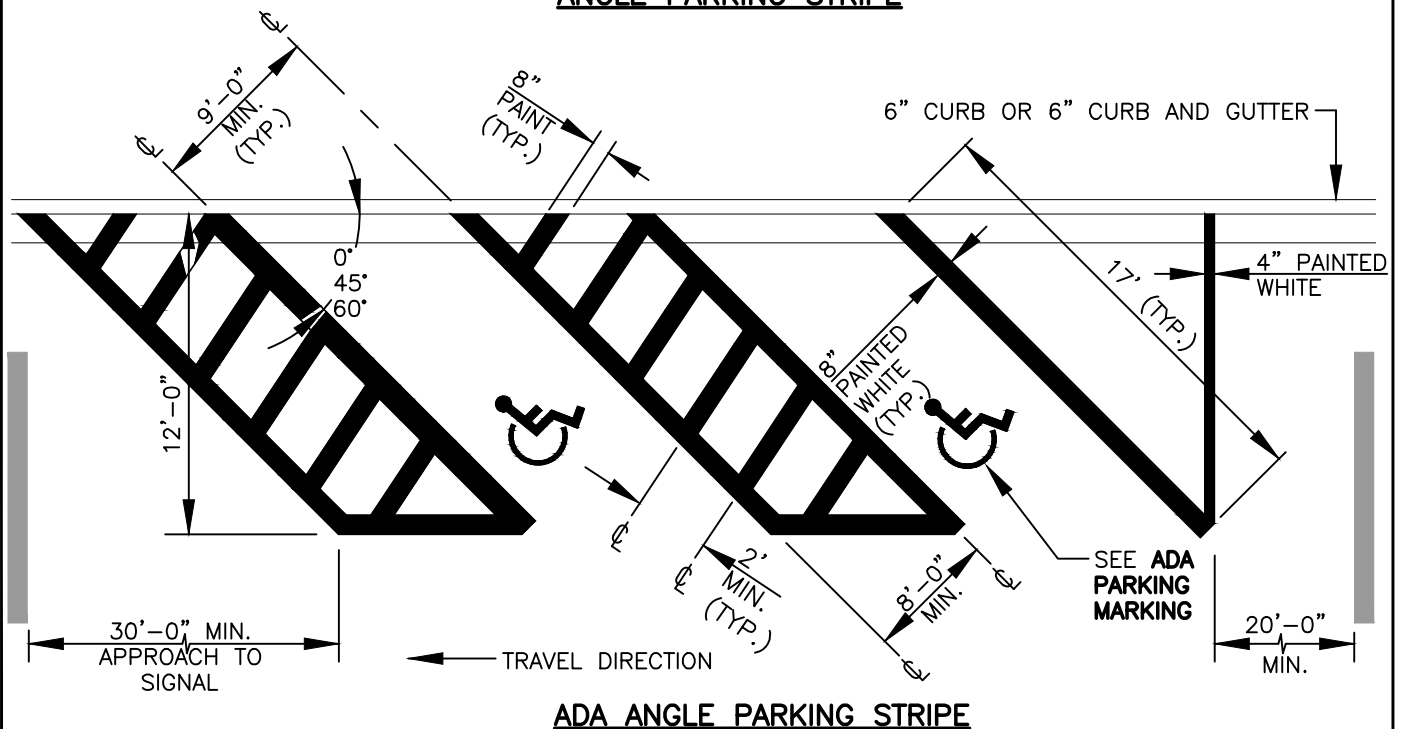
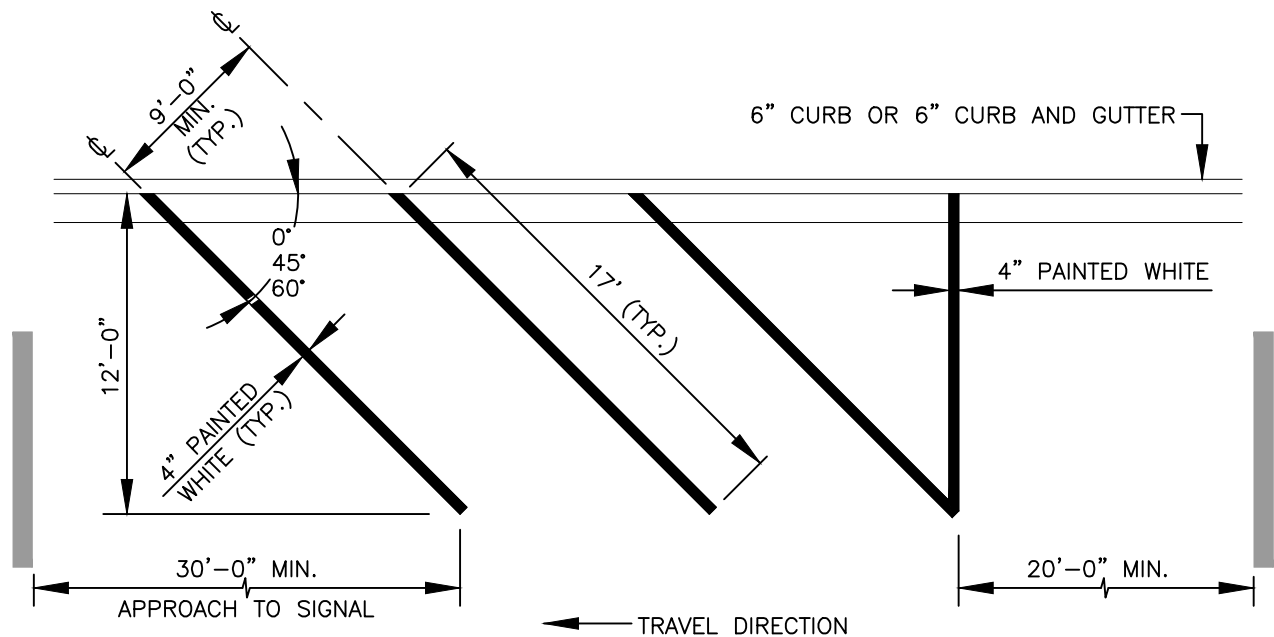
SKIP LINE AND
EXTENSION
LANE MARKINGS

STANDARD PLAN
NUMBER
T29-49



**STANDARD PLAN
NUMBER**

T29-50



NOTES:

1. SEE THE MILLENNIUM EDITION OF MUTCD, **SECTION 3B.18** AND **FIGURE 3B-18** FOR ADDITIONAL PARKING SPACE MARKING INFORMATION.
2. SEE **VMC TABLE 20.945.040-2** FOR ADDITIONAL DIMENSIONS INFORMATION.

ADA PARKING MARKING

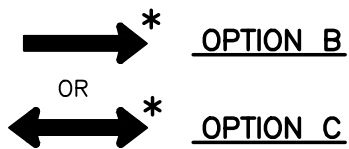
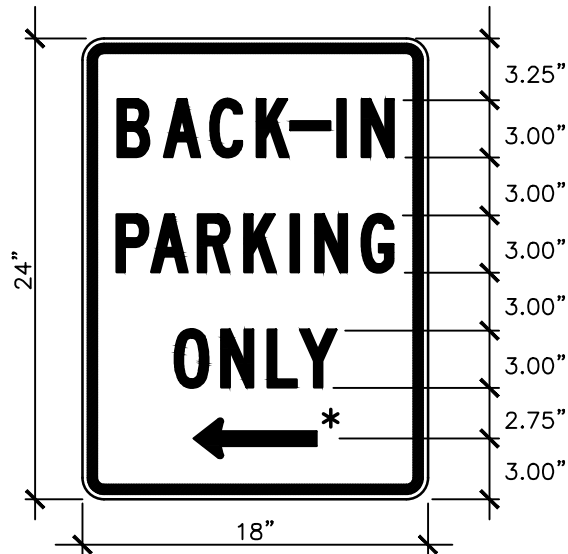
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5	7/14	RAW	CJC	
6	9/21	RAW	CJC	



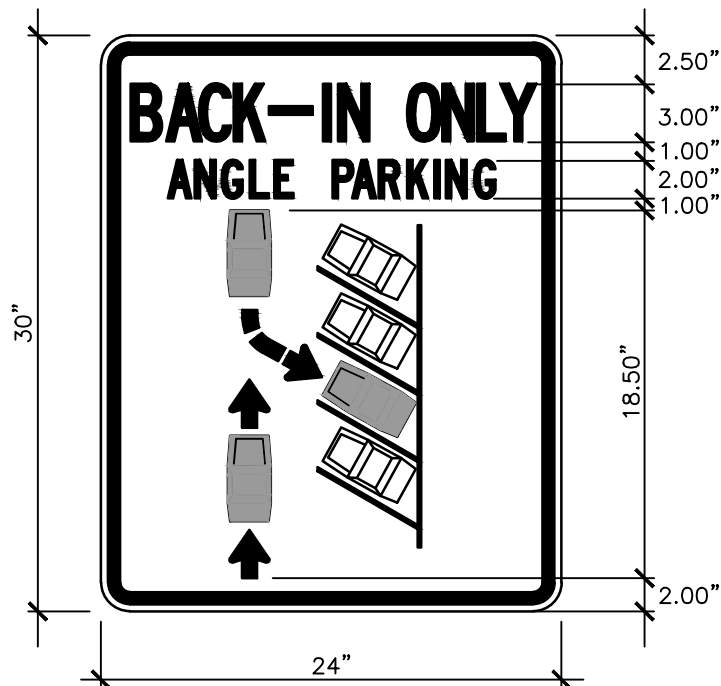
ON-STREET AND
PARKING FACILITY
ANGLE PARKING STALL MARKINGS

**STANDARD PLAN
NUMBER**

T29-51



BACK-IN PARKING SIGN OPTION A



BACK-IN ANGLE PARKING SIGN

SEE ANGLE BACK-IN PARKING STRIPING ON
COV STD. PLAN T29-52A FOR LOCATIONS.

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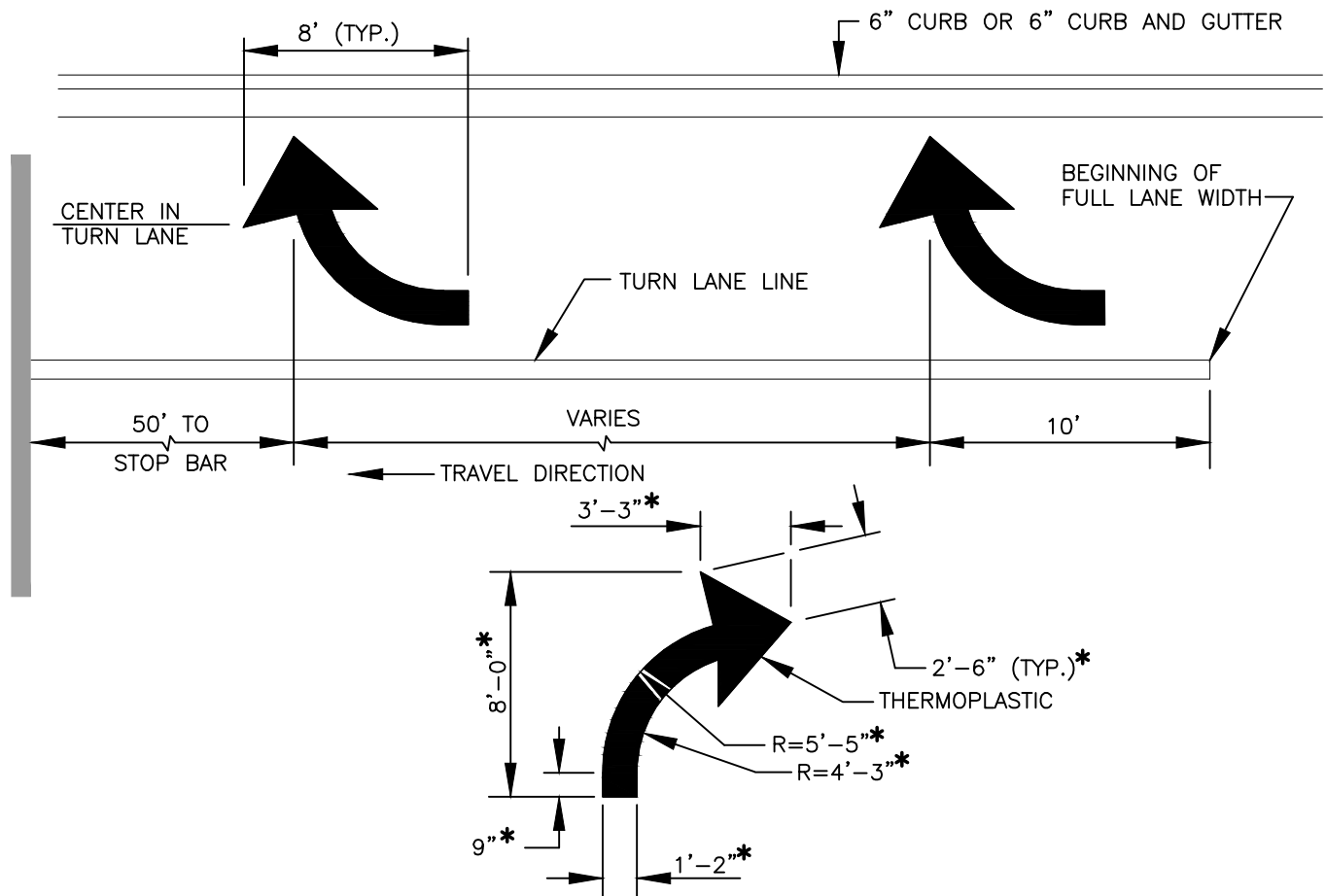
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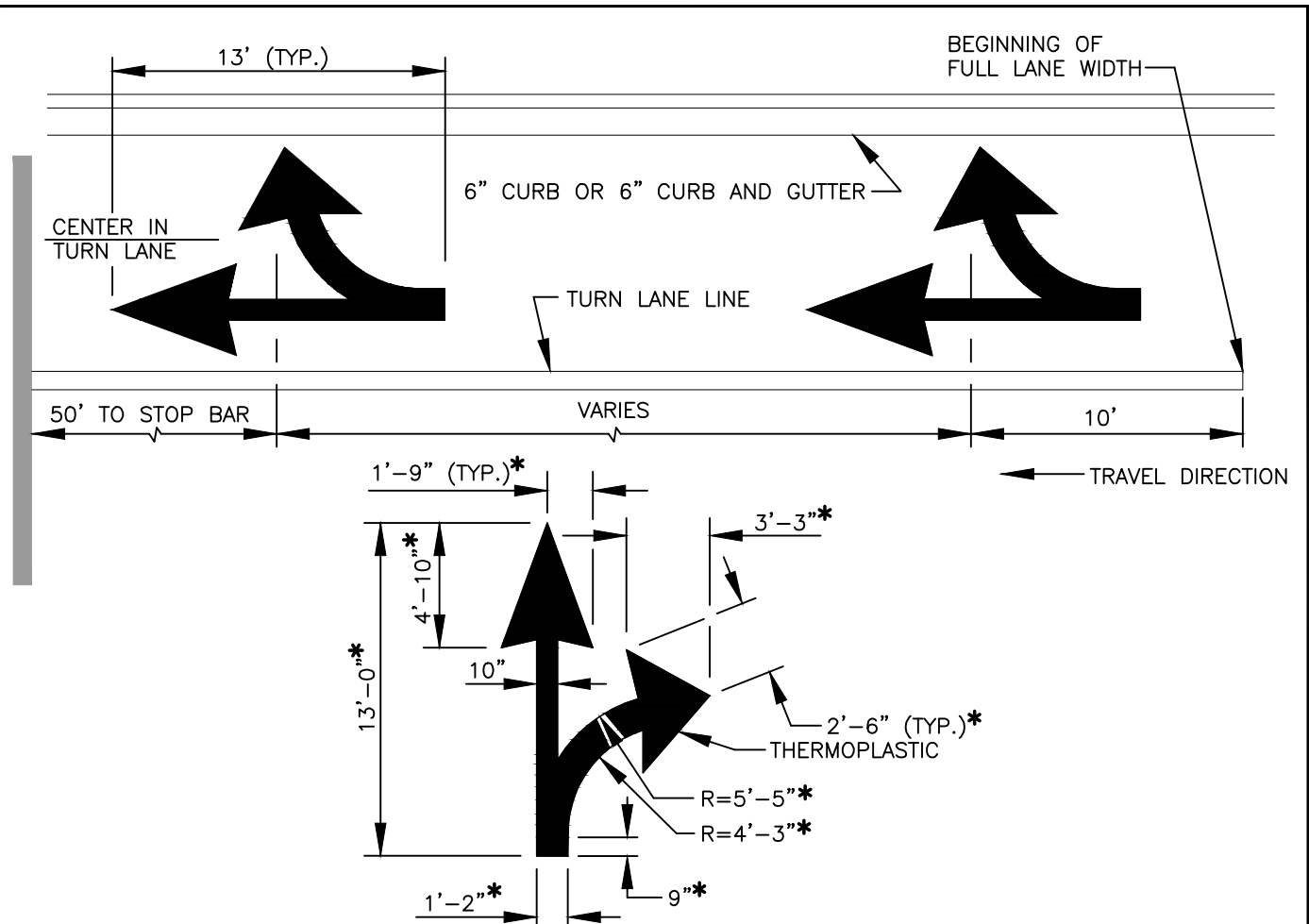
APPROVED BY: *[Signature]*
TRAFFIC ENGINEER MANAGER
APPROVED DATE: 9/1/2021

CITY OF
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WASHINGTON

ANGLE BACK-IN
PARKING
SIGNING

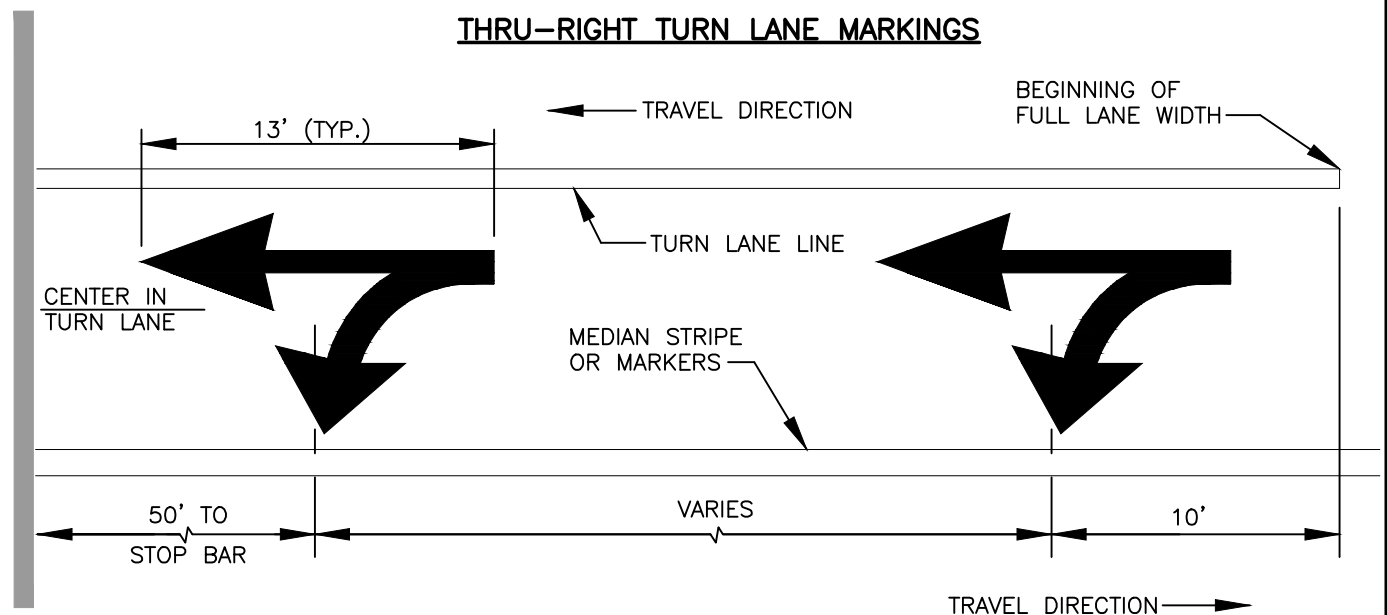
STANDARD PLAN
NUMBER
T29-52B





*ARROW DIMENSIONS FOR BOTH THRU-RIGHT AND THRU-LEFT TURN ARROWS.

THRU-RIGHT TURN LANE MARKINGS



THRU-LEFT TURN LANE MARKINGS

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REV NO.	DATE	BY	APPR	AGE
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2	3/06	RAW	AGE	
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5	1/15	RAW	CJC	
6	9/21	RAW	CJC	

PUBLIC WORKS – STREETS
AND TRANSPORTATION

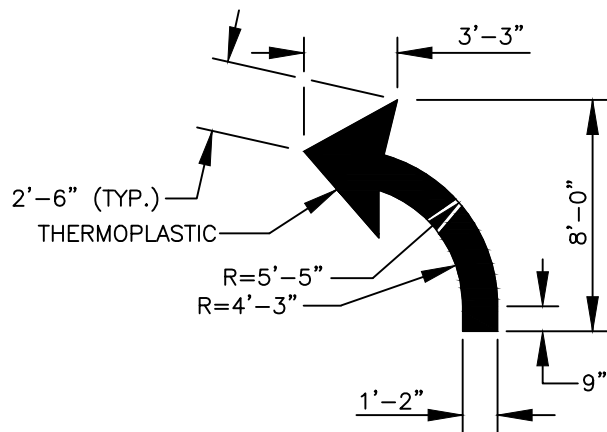
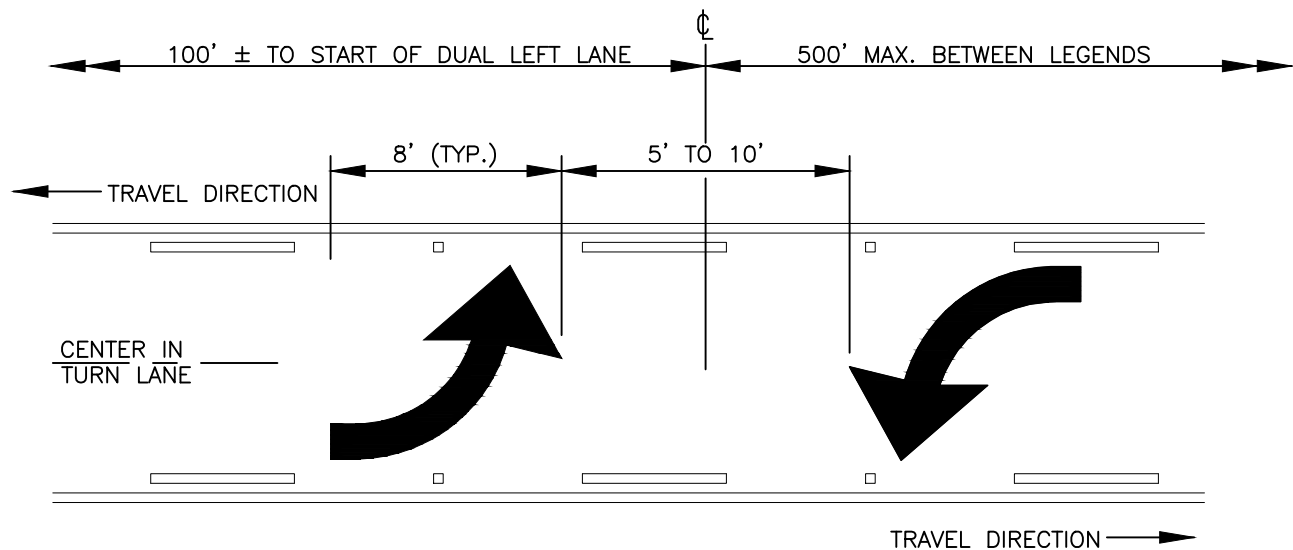
APPROVED BY: *[Signature]*
TRAFFIC ENGINEER MANAGER

APPROVED DATE: 9/1/2021



THRU-RIGHT AND
THRU-LEFT TURN
ARROW MARKINGS

STANDARD PLAN
NUMBER
T29-54



TWO-WAY LEFT TURN LANE LEGEND

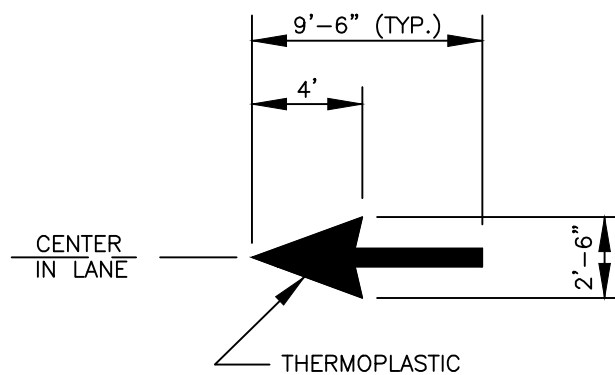
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REV NO.	DATE	BY	APPR	PUBLIC WORKS – STREETS AND TRANSPORTATION
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3	2/07	RAW	AGE	
4	8/08	RAW	AGE	
5	1/15	RAW	CJC	APPROVED BY: <i>[Signature]</i>
6	9/21	RAW	CJC	APPROVED DATE: 9/1/2021



TWO-WAY
LEFT TURN
ARROW MARKINGS

STANDARD PLAN
NUMBER
T29-55



THRU ARROW LEGEND

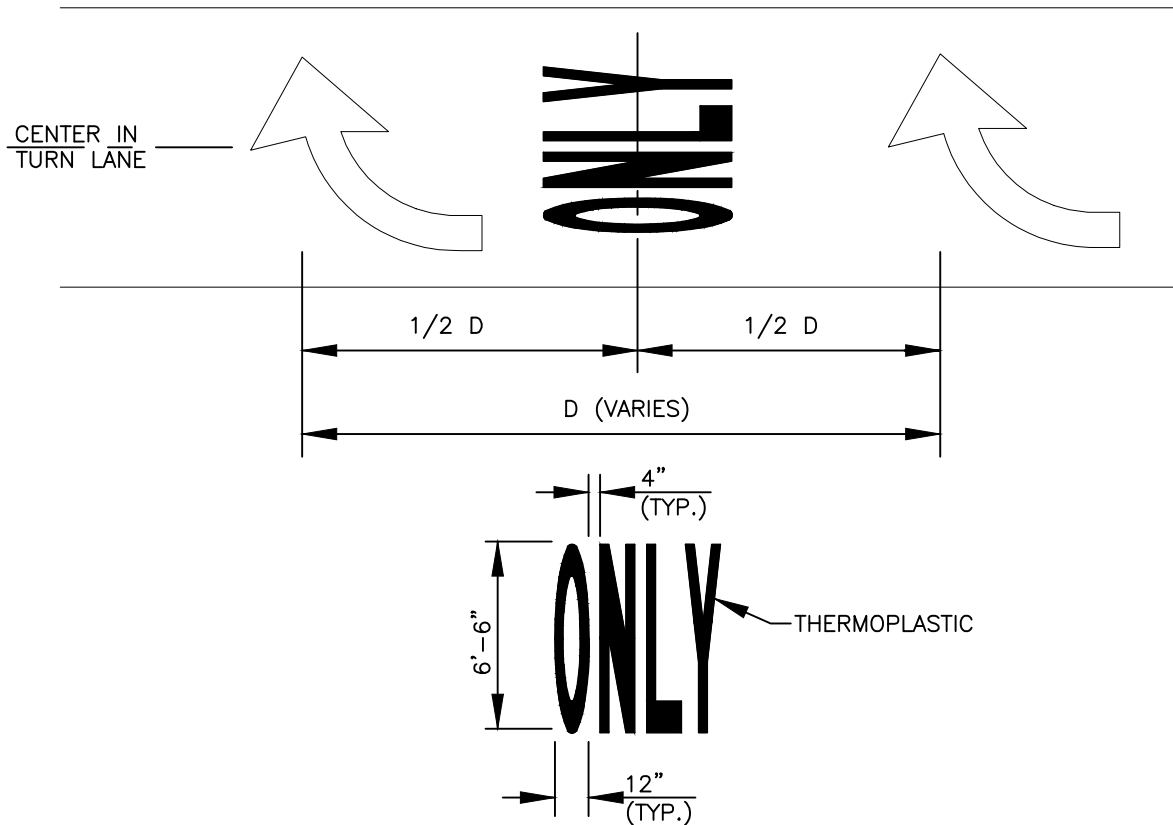
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2	3/06	RAW	AGE	
3	2/07	RAW	AGE	
4	8/08	RAW	AGE	
5	1/15	RAW	CJC	APPROVED BY: <i>[Signature]</i>
6	9/21	RAW	CJC	TRAFFIC ENGINEER MANAGER APPROVED DATE: 9/1/2021

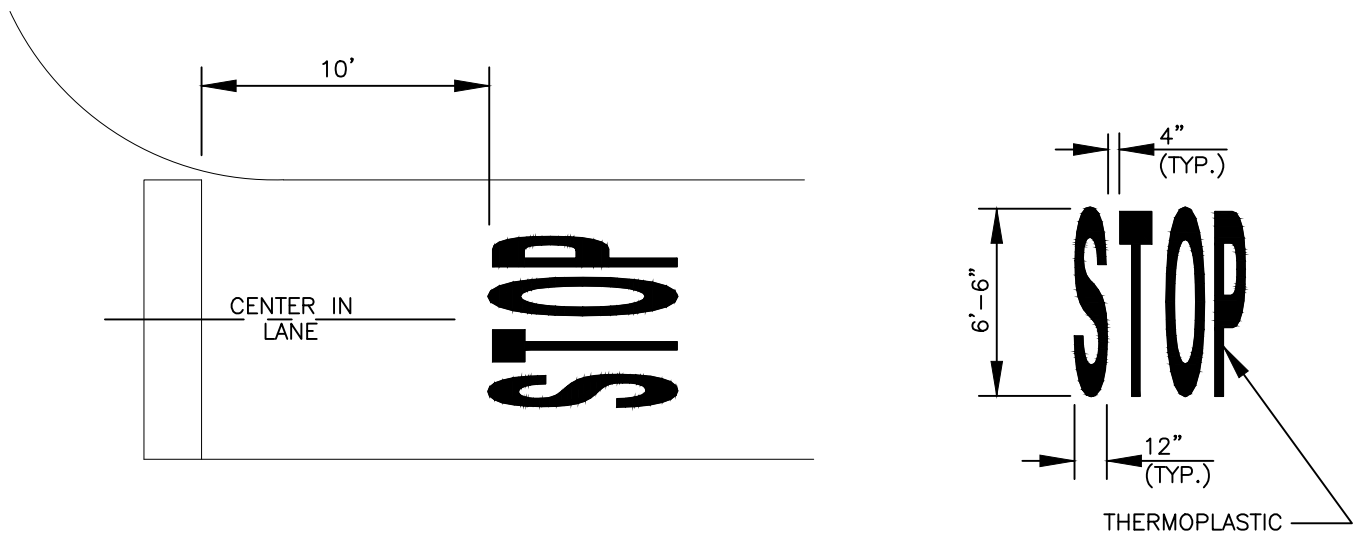


THRU LANE
ARROW MARKINGS

STANDARD PLAN
NUMBER
T29-56



"ONLY" PAVEMENT LEGEND



"STOP" PAVEMENT LEGEND

I:\CITYAPPS\AUTOCAD\STD_DETAILS\DRAWING_FILES\T29-57

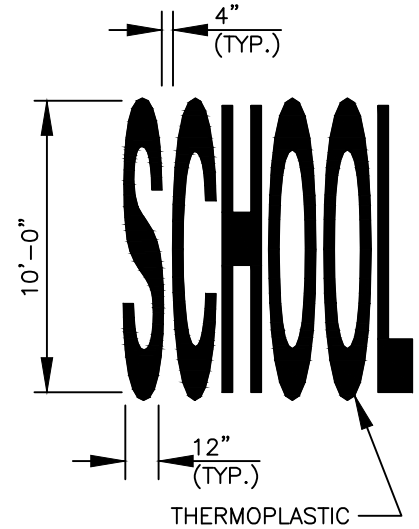
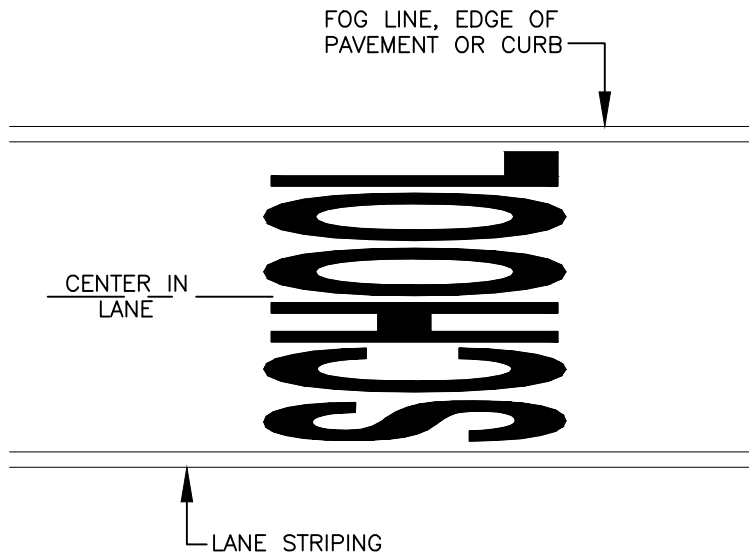
REV NO.	DATE	BY	APPR	PUBLIC WORKS – STREETS AND TRANSPORTATION
1	8/04	RAW	AGE	
2	3/06	RAW	AGE	
3	2/07	RAW	AGE	
4	8/08	RAW	AGE	
5	1/15	RAW	CJC	
6	9/21	RAW	CJC	

APPROVED BY: *[Signature]*
TRAFFIC ENGINEER MANAGER
APPROVED DATE: 9/1/2021



"ONLY" LEGEND
AND "STOP"
LEGEND MARKINGS

STANDARD PLAN
NUMBER
T29-57



"SCHOOL" ZONE LEGEND

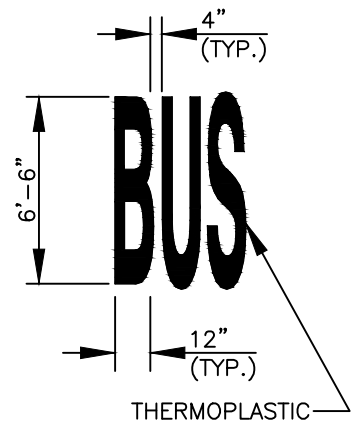
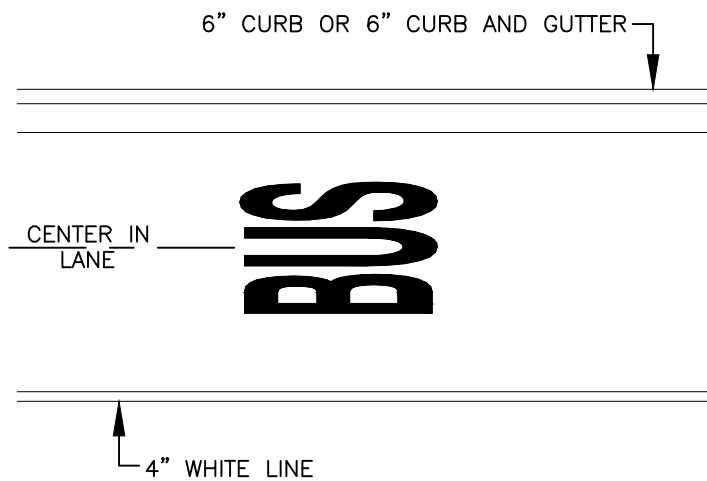
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REV NO.	DATE	BY	APPR	PUBLIC WORKS – STREETS AND TRANSPORTATION
1	8/04	RAW	AGE	
2	3/06	RAW	AGE	
3	2/07	RAW	AGE	
4	8/08	RAW	AGE	
5	1/15	RAW	CJC	APPROVED BY: <i>[Signature]</i>
6	9/21	RAW	CJC	APPROVED DATE: 9/1/2021



"SCHOOL"
LEGEND MARKINGS

STANDARD PLAN
NUMBER
T29-58



"BUS" PAVEMENT LEGEND

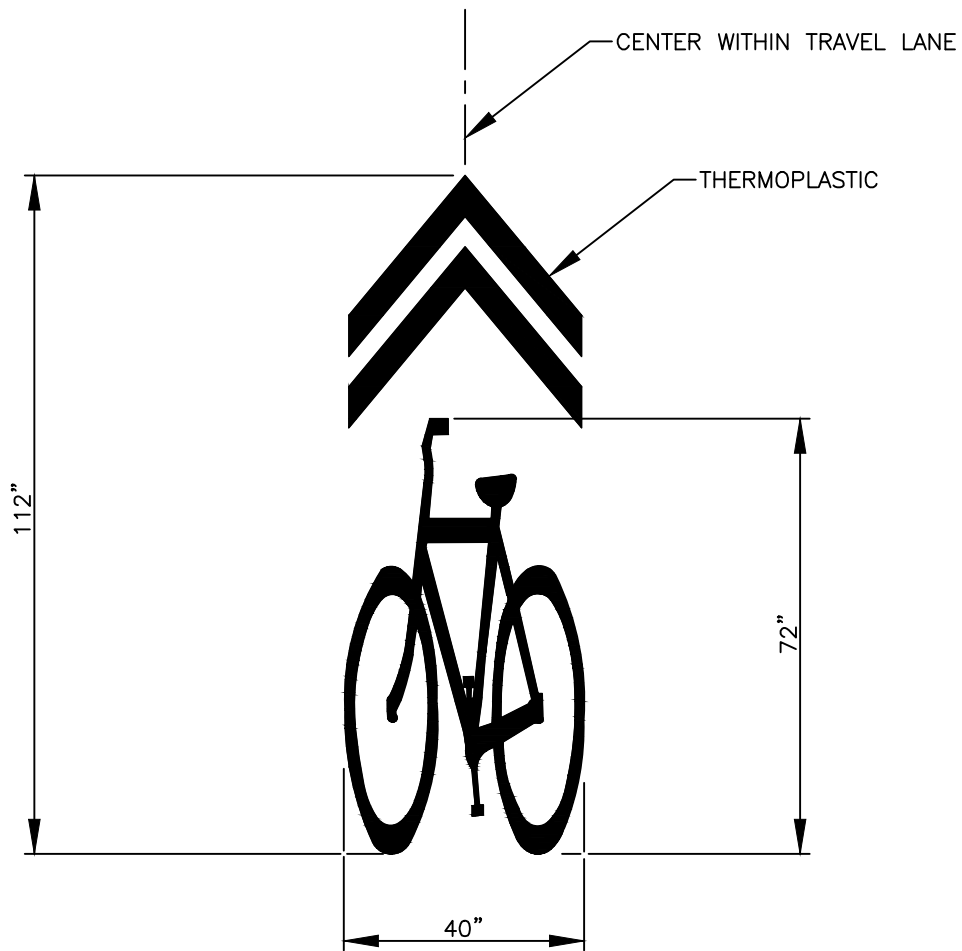
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REV NO.	DATE	BY	APPR	PUBLIC WORKS – STREETS AND TRANSPORTATION
1	8/04	RAW	AGE	
2	3/06	RAW	AGE	
3	2/07	RAW	AGE	
4	8/08	RAW	AGE	
5	1/15	RAW	CJC	APPROVED BY: <i>[Signature]</i> TRAFFIC ENGINEER MANAGER
6	9/21	RAW	CJC	APPROVED DATE: 9/1/2021

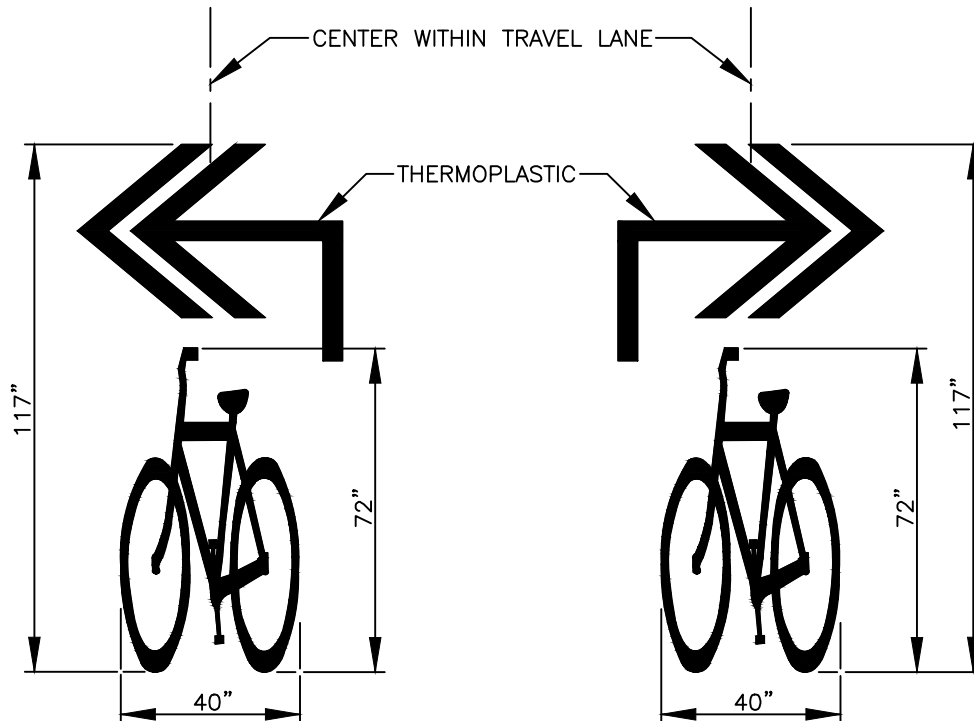


"BUS" LEGEND
MARKINGS

STANDARD PLAN
NUMBER
T29-59



BICYCLE STENCIL FOR SHARED USE ROADWAYS



**BICYCLE STENCIL FOR SHARED
USE ROADWAYS (LEFT)**

**BICYCLE STENCIL FOR SHARED
USE ROADWAYS (RIGHT)**

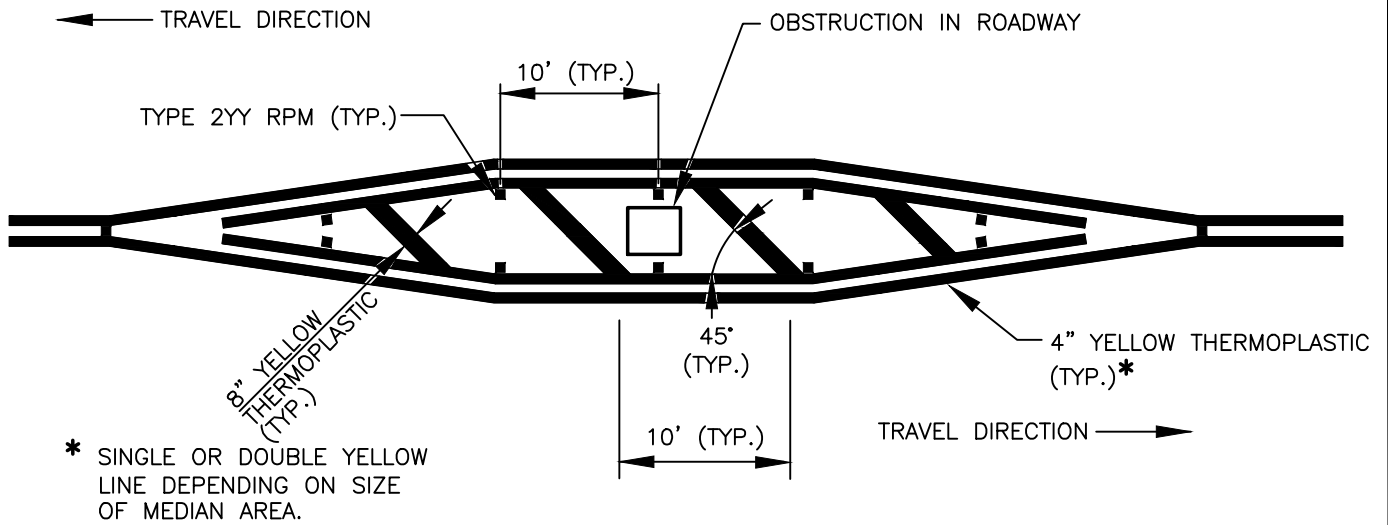
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REV NO.	DATE	BY	APPR	PUBLIC WORKS – STREETS AND TRANSPORTATION
1	3/06	RAW	AGE	
2	2/07	RAW	AGE	
3	8/08	RAW	AGE	
4	7/14	RAW	CJC	
5	2/21	RAW	CJC	
6	9/21	RAW	CJC	

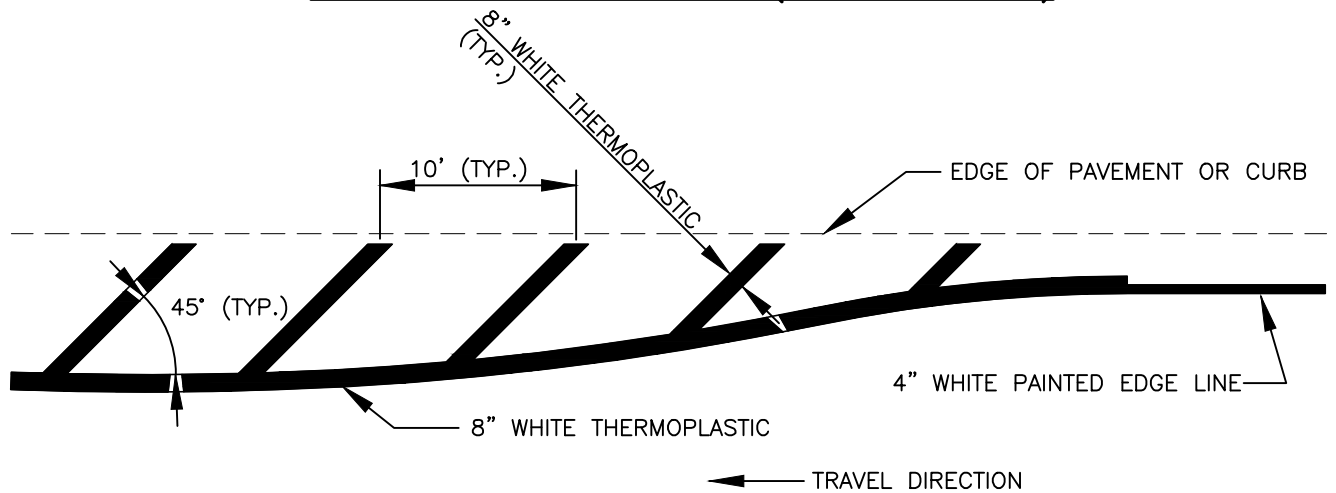
APPROVED BY: *[Signature]*
TRAFFIC ENGINEER MANAGER
APPROVED DATE: 9/1/2021



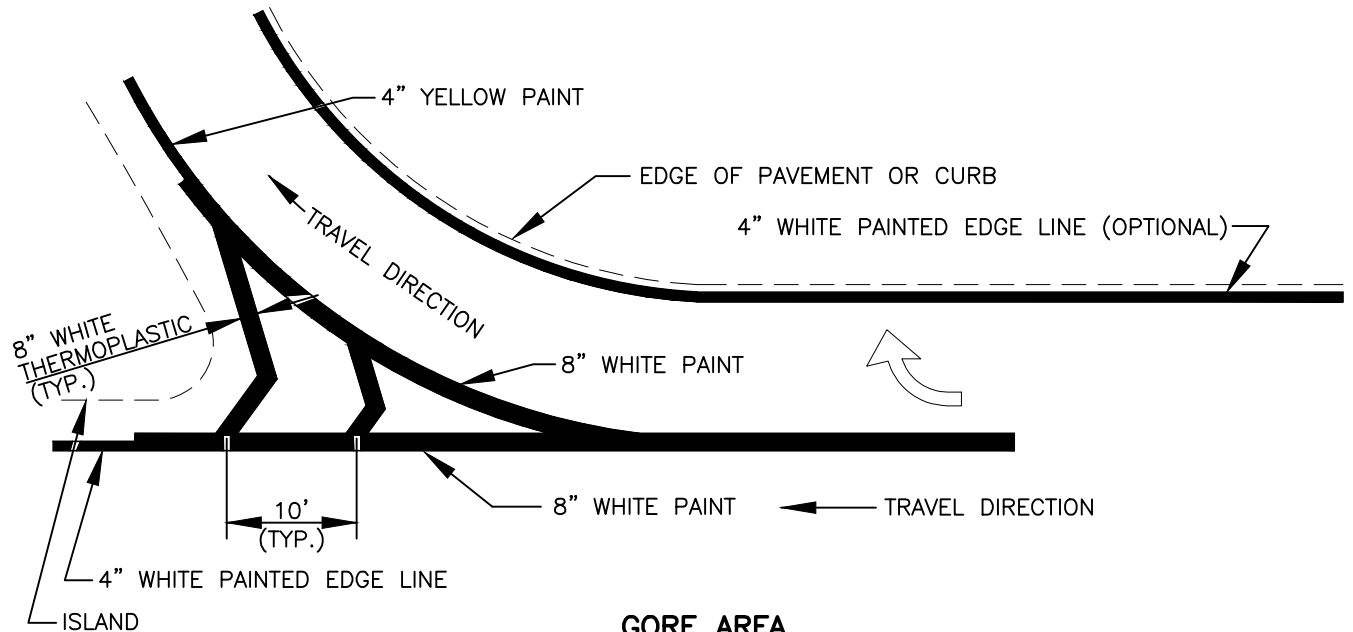
BICYCLE STENCIL FOR SHARED USE ROADWAYS	STANDARD PLAN NUMBER T29-61
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TRANSVERSE MEDIAN MARKING (BOTH DIRECTIONS)



TRANSVERSE MARKING



GORE AREA

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REV NO.	DATE	BY	APPR	AGE
1	3/08	RAW		AGE
2	2/07	RAW		AGE
3	8/08	RAW		AGE
4	1/15	RAW	CJC	
5	10/19	RAW	CJC	
6	9/21	RAW	CJC	

PUBLIC WORKS – STREETS AND TRANSPORTATION

APPROVED BY: *[Signature]*

TRAFFIC ENGINEER MANAGER

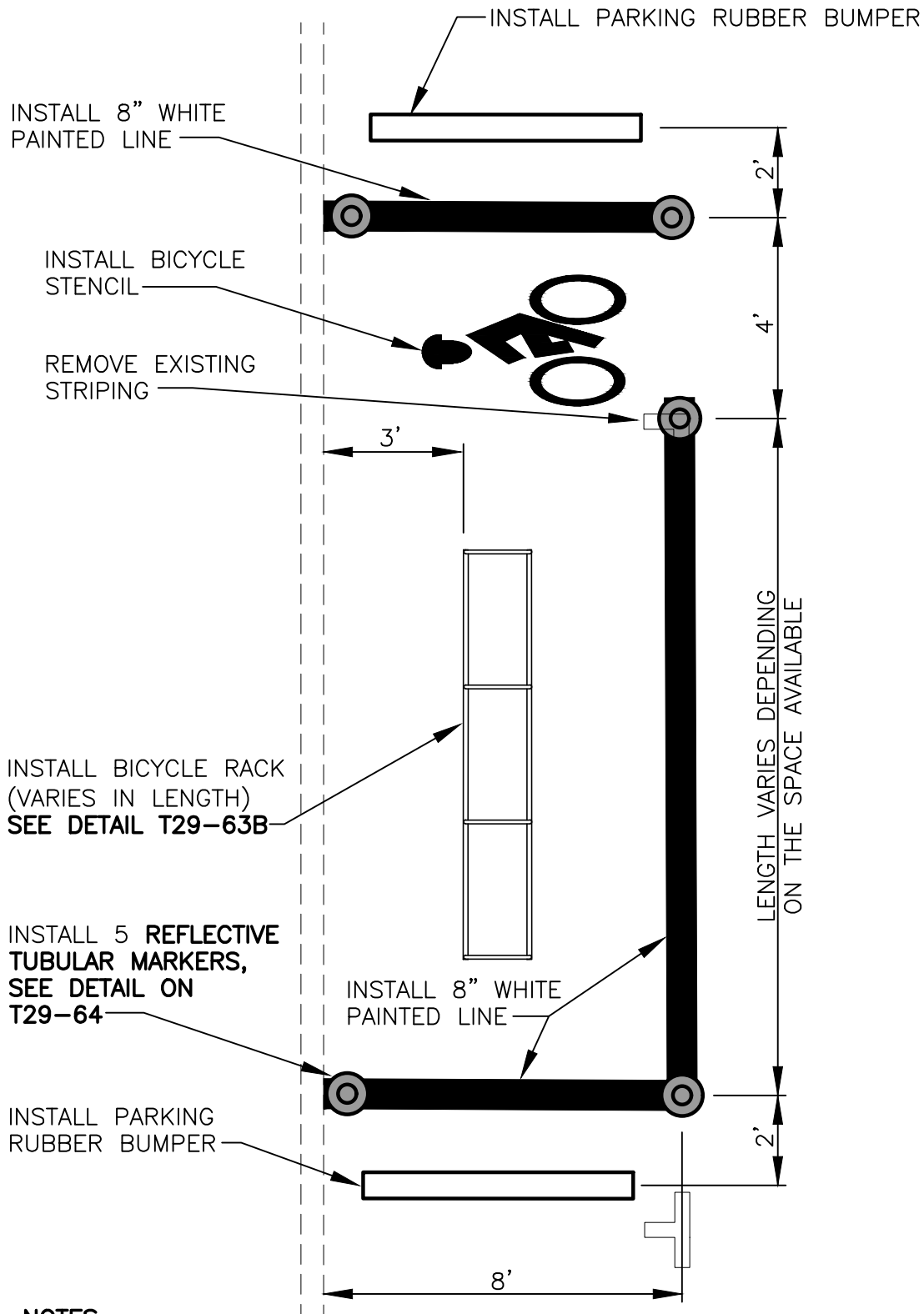
APPROVED DATE: 9/1/2021

CITY OF
Vancouver
WASHINGTON

TRANSVERSE
MEDIAN MARKINGS

STANDARD PLAN
NUMBER

T29-62



NOTES:

1. STENCIL TO BE INSTALLED AFTER BICYCLE RACKS ARE INSTALLED TO ENSURE APPROPRIATE PLACEMENT.
2. CONTACT ENGINEERING SERVICES, 24 HOURS PRIOR TO STRIPING LAYOUT.

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REV NO.	DATE	BY	APPR
1	3/16	RAW	CJC
2	9/21	RAW	CJC

PUBLIC WORKS – STREETS AND TRANSPORTATION

APPROVED BY: *[Signature]*
TRAFFIC ENGINEER MANAGER

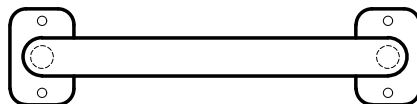
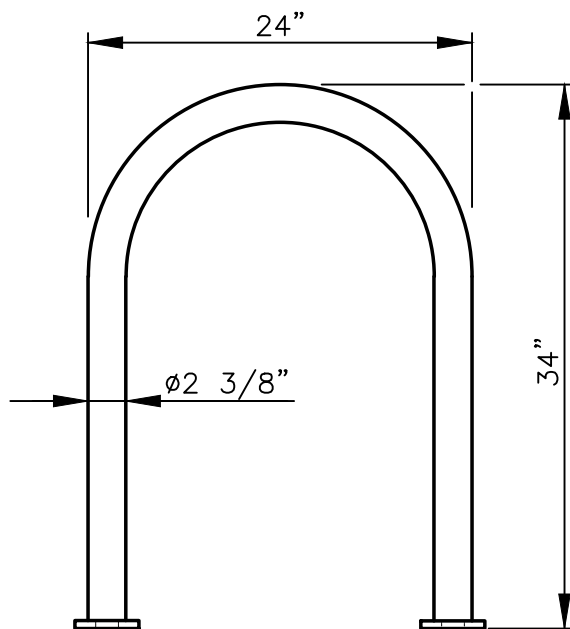
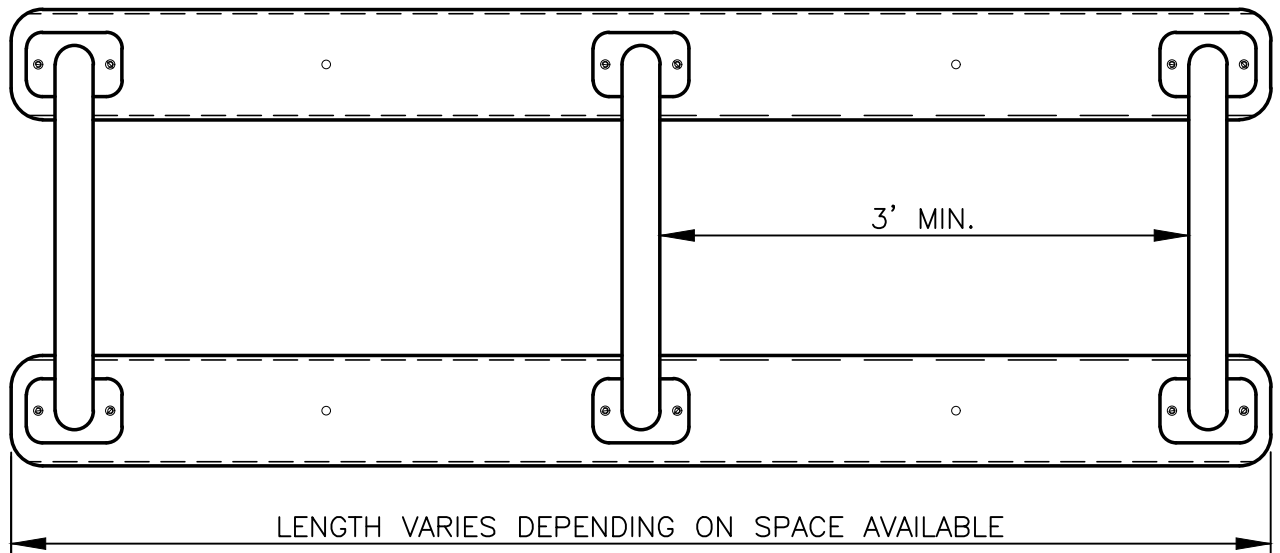
APPROVED DATE: 9/1/2021



BIKE CORRAL LAYOUT

STANDARD PLAN NUMBER

T29-63A



NOTES:

1. DESIGN MUST BE APPROVED BY CITY OF VANCOUVER PUBLIC WORKS.
2. INSTALLATION MUST BE COMPLETED IN ACCORDANCE WITH SPECIFICATIONS.

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REV NO.	DATE	BY	APPR	PUBLIC WORKS – STREETS AND TRANSPORTATION
1	3/16	RAW	CJC	
2	9/21	RAW	CJC	

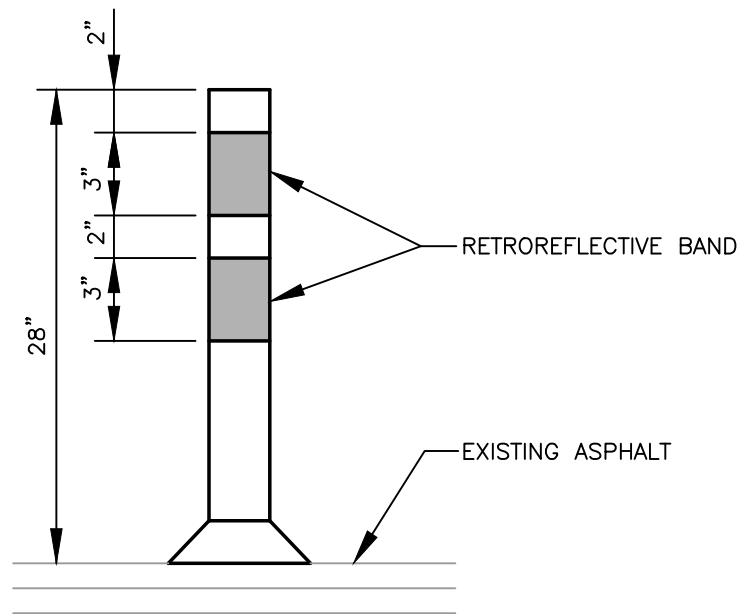
APPROVED BY: *[Signature]*
TRAFFIC ENGINEER MANAGER
APPROVED DATE: 9/1/2021

CITY OF
Vancouver
WASHINGTON

BIKE CORRAL
BICYCLE RACK

STANDARD PLAN
NUMBER

T29-63B



TUBULAR MARKER

NOTE:

1. SHALL BE BOLTED TO PAVEMENT PER MANUFACTURERS SPECIFICATIONS.

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REV NO.	DATE	BY	APPR
1	3/16	RAW	CJC
2	9/21	RAW	CJC

PUBLIC WORKS – STREETS
AND TRANSPORTATION

APPROVED BY: *[Signature]*
TRAFFIC ENGINEER MANAGER

APPROVED DATE: 9/1/2021



TUBULAR
MARKING DETAIL

STANDARD PLAN
NUMBER
T29-64