



12" MAX. TYP. SPACING

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PIPE DIAMETER (DIA.)

1TTT

PIPE OPENING (P)

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|<u> 12" MAX.</u> ►| TYP.

SPACING

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### STANDARD ENDWALL DIMENSIONS **REINFORCING STEEL** BASE (b) TOP WIDTH LENGTH PIPE DIAMETER NO. 4 BARS -VOL. NO. 4 BENT BARS HEIGHT OF REBAR WIDTH (NOMINAL LENGTH) (DIA.) (L) (d) FT-IN. FT-IN. C.Y. EA. FT-IN. IN. EA. FT-IN. 10 - (4'-0'') 4'-0'' 4'-6'' 1'-3" 2'-0'' 1.10 12" 4 2'-0'' 12 - (5'-0'') 5'-6'' 1'-3" 1.39 6 4'-3'' 15" 12 - (6'-0'') 1.75 6'-6'' 2'-0'' 18" 6 4'-6'' 1'-3" 5'-0'' 2.87 24'' 8 12 - (8'-0'') 8'-6'' 1'-6'' 2'-3'' 14 - (10'-0'') 5'-6'' 10'-6'' 1'-9" 2'-3'' 3.98 30'' 8 2'-8'' 10 1'-9'' 5.67 36" 12'-6'' 14 - (12'-0'') 6'-0'' 14'-6'' 2'-0'' 3'-0'' 42" 12 7.99 6'-6" 16 - (14'-0'') 16'-6" 2'-0'' 3'-0'' 9.59 48'' 14 16 - (16'-0'') 7'-2''

## SEE PROJECT PLANS FOR NON-STANDARD ENDWALL DETAILS

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Digitally signed by Leo Fontaine, P.E. Date: 2022.09.27 14:25:47-04'00'	Digitally signed by Calabrese, Michael Date: 2022.11.09		DEPARTMENT OF TRANSPORTATION	OCONTROLLY OF TRANSFORMED	STANDARD SHEET
14:25:47-04'00'	13:48:02-05'00'		TRANSPORTATION	OF TRAN	

STANDARD SHEET TITLE: **ENDWALLS** 

### **GENERAL NOTES:**

- 1. PIPE OPENING DIMENSIONS ARE NOMINAL (SEE CHART)\*.
- 2. ALL REINFORCING BARS SHALL HAVE 3" COVER MIN.
- 3. ALL REINFORCING BARS ARE TO BE TIED NOT WELDED.
- 4. WET SETTING OF ANY STEEL IS NOT PERMITTED.

5. REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615, GRADE 60 AND SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A767, CLASS 1.

NO. 4 BENT BARS

-HORIZONTAL AND VERTICAL REINFORCING BARS ARE TO HAVE A MAXIMUM 12" SPACING. BOTH HORIZONTAL AND VERTICAL BARS SHALL STOP 3" FROM THE PIPE OPENING.

OF REBAR
T-IN.
1'-5 <sup>1</sup> ⁄4''
1'-5¼"
1'-6¼"
1'-7¼"
1'-8¼"
2'-0 %"
2'-2''
2'-2 <sup>1</sup> ⁄2"

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PLOTTED DATE: 9/21/2022

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Digitally signed by Leo Fontaine, P.E. Date: 2022.10.05 14:17:48-04'00'	Digitally signed by Calabrese, Michael Date: 2022.11.09 13:53:03-05'00'	DEPARTMENT OF TRANSPORTATION	DE GAR INERS	STANDARD SHEET	CATCH







TYPE "C-L" CATCH BASIN TOP





1. SEE SHEET HW-586\_08, FOR CATCH BASIN FRAMES AND GRATES AND HW-586\_09 FOR CATCH BASIN LOCK DOWN TOPS.



**PLOTTED DATE:** 9/21/2022



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/	Digitally signed by Leo Fontaine, P.E. Date: 2022.09.27 14:36:19-04'00'	Digitally signed by Calabrese, Michael Date: 2022.11.08 11:44:21-05'00'		DEPARTMENT OF TRANSPORTATION	Contraction of the second seco	STANDARD SHEET	REINFORC



**PLOTTED DATE:** 9/23/2022

NEWINGTON, CT 06111

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	DEPARTMENT OF TRANSPORTATION	APPROVED BY:	NAME/DATE/TIME:	CTDOT STANDARD SHEET

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48 IN LONG SHALL BE ATTACHED USING 3 BOLTS AS SHOWN ON

REFER TO STANDARD SHEET No. TR-1208\_02 "METAL SIGN POSTS

RETROREFLECTIVE STRIP COLOR SHALL MATCH THE BACKGROUND COLOR OF THE SIGN, EXCEPT THAT THE COLOR OF THE STRIP FOR "YIELD" AND

AND SIGN MOUNTING DETAILS" FOR MOUNTING DETAILS.

Model: TR-1208\_01

"DO NOT ENTER" SIGNS SHALL BE RED.



NOTES:

Filename: TR\_1208\_01\_1\_2018.dgn

THE DETAILS ABOVE.



RETROREFLECTIVE STRIPS 48" LONG OR LESS:

OVER 48" LONG:

RETROREFLECTIVE STRIPS

## SIGN ORIENTATION DETAILS FOR SIDE MOUNTED SIGNS ON STRUCTURAL STEEL BREAKAWAY SIGN SUPPORTS



ON A HORIZONTAL CURVE SECTION, POSITION THE SIGN SO THE VERTICAL AXIS IS PLUMB AND THE HORIZONTAL AXIS IS AT AN ANGLE OF 90° WITH A STRAIGHT LINE BETWEEN THE SIGN AND THE POINT AT WHICH THE SIGN SHALL BE READ.





FOR MAXIMUM EFFECTIVENESS, POSITION SIDE MOUNTED SIGNS ON STRUCTURAL STEEL BREAKAWAY SIGN SUPPORTS AS FOLLOWS:

ON A TANGENT SECTION, POSITION THE SIGN SO THE VERTICAL AXIS IS PLUMB AND

DIM."A" MIN SIGN HEIGHT	DIM."B" MIN LATERAL OFFSET (1)	DIM."C" MIN PLAQUE HEIGHT (1)	ASSEMBLY LOCATION
7' ②	6' 12' ③	5'	SIGNS ON FREEWAYS AND EXPRESSWAYS EXCEPT CHEVRON ALIGNMENT SIGNS, ONE-DIRECTION LARGE ARROW SIGNS, DO NOT ENTER SIGNS, AND WRONG WAY SIGNS
5'	2'	4'	<ul> <li>SIGNS IN RURAL AREAS</li> <li>DO NOT ENTER AND WRONG WAY SIGNS ALONG EXIT RAMPS</li> <li>DO NOT ENTER AND WRONG WAY SIGNS ON LIMITED ACCESS HIGHWAYS</li> </ul>
5'	2'	N/A	<ul> <li>CHEVRON ALIGNMENT SIGNS LOCATED ON FREEWAYS, EXPRESSWAYS, RAMPS, AND IN RURAL AREAS</li> <li>ONE-DIRECTION LARGE ARROW SIGNS LOCATED ON FREEWAYS, EXPRESSWAYS, RAMPS, AND IN RURAL AREAS</li> </ul>
4'	6' 12' ③	N/A	INCIDENT MANAGEMENT SIGNS AND MILE POST MARKER ASSEMBLIES LOCATED ON FREEWAYS AND EXPRESSWAYS
4'	2'	4'	CENTRAL ISLANDS OF ROUNDABOUTS
7'	2' 〈4〉	6'	BUSINESS & RESIDENTIAL AREAS WHERE PARKING OR OTHER OBSTRUCTIONS LIMIT VISIBILITY
7'	2' (4)	7'	SIDEWALKS (5)

REFER TO STANDARD SHEET No. TR-1208\_02 "METAL SIGN POSTS AND SIGN MOUNTING DETAILS" FOR SIGN POSTS AND SIGN MOUNTING. IF A RETFOREFLECTIVE STRIP IS USED ON SIGN SUPPORT, IT SHALL BE PLACED FOR THE FULL LENGTH OF THE SUPPORT FROM THE BOTTOM OF THE SIGN TO WITHIN 2 FT ABOVE THE EDGE OF THE ROADWAY. PARKING SIGNS TYPICALLY USE 45° MOUNTING BRACKET.

NOTES: ALL SIGNS AND SHIELDS ON DIRECTIONAL ASSEMBLIES SHALL ABUT VERTICALLY.

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**OFFICE OF ENGINEERING** 

## **TYPICAL SIGN PLACEMENT DETAIL**



## SIGN PLACEMENT AND **RETROREFLECTIVE STRIP DETAILS**

ANDARD SHEET TITLE

THAN 4 FT SHALL BE PROVIDED IN SIDEWALK AREAS.

(4) A LATERAL OFFSET OF AT LEAST 1 FT FROM THE FACE OF THE CURB MAY BE USED WHERE SIDEWALK WIDTH ING UTILITY POLES ARE CLOSE TO THE CURB.

6 FT FROM EDGE OF SHOULDER, WHEN SHOULDER IS OVER 6 FT WIDE 12 FT FROM EDGE OF TRAVELWAY, WHEN SHOULDER IS LESS THAN 6 FT WIDE.

 $\langle 2 \rangle$  8 FT MINIMUM HEIGHT REQUIRED IF A SUPPLEMENTAL PLAQUE IS SUBMOUNTED BELOW THE MAJOR SIGN.

 $\langle 1 \rangle$  OR AS DIRECTED BY THE ENGINEER



RETROREFLECTIVE STRIP

- EDGE OF TRAVELWAY

C

(OPTIONAL)

# С EDGE OF SHOULDER OR FACE OF CURB

TR-1208\_01

TANDARD SHEET NO.:



