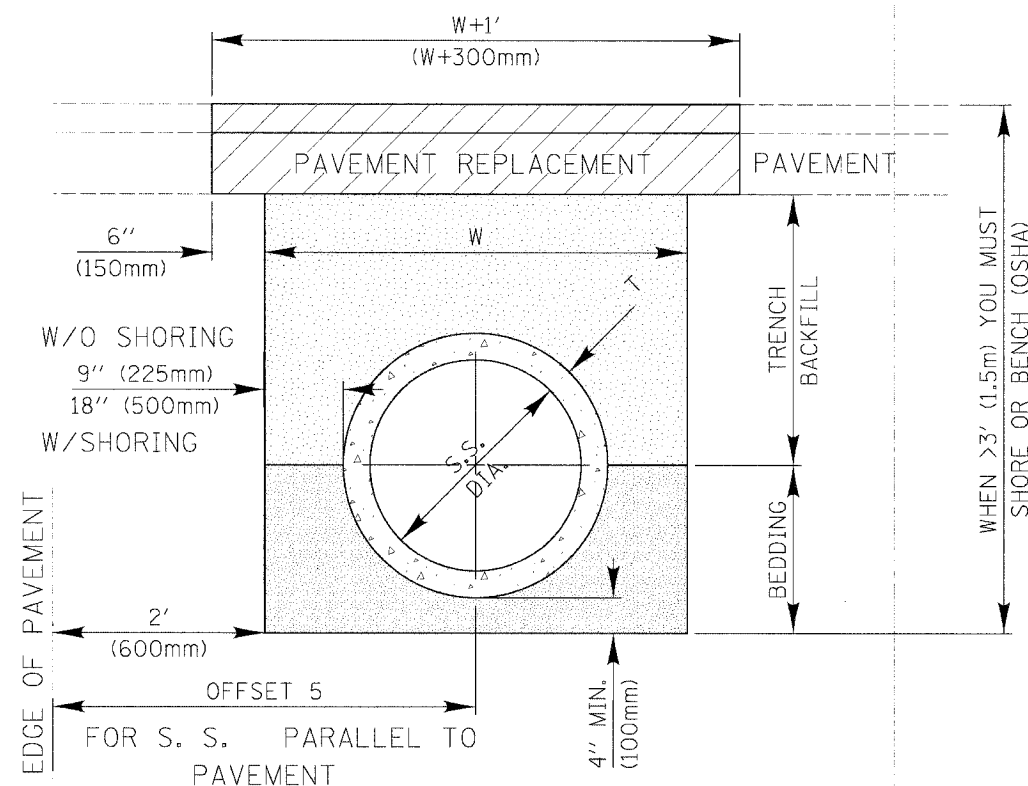


ENGLISH

S.S. DIA.	T	WIDTH (W)		OFFSET FROM E.O.P.*		1/2 AREA PIPE [O.D.] (SQ FT)
		WITHOUT SHORING	WITH SHORING	WITHOUT SHORING	WITH SHORING	
10"	2"	2' 8"	4' 2"	4' 8"	6' 2"	0.53
12"	2"	2' 10"	4' 4"	4' 10"	6' 4"	0.70
15"	2 1/4"	3' 2"	4' 8"	5' 2"	6' 8"	1.04
18"	2 1/2"	3' 5"	4' 11"	7' 1"	6' 11"	1.44
21"	2 3/4"	3' 9"	5' 3"	5' 9"	7' 3"	1.92
24"	3"	4' 0"	5' 6"	6' 0"	7' 6"	2.45
27"	3 1/4"	4' 4"	5' 10"	6' 4"	7' 10"	3.06
30"	3 1/2"	4' 7"	6' 1"	6' 7"	8' 1"	3.73
36"	4"	5' 2"	6' 8"	7' 2"	8' 8"	5.28
42"	4 1/2"	5' 9"	7' 3"	7' 9"	9' 3"	7.09
48"	5"	6' 4"	7' 10"	8' 4"	9' 10"	9.17

METRIC

S.S. DIA. (NOMINAL)	S.S. DIA. (ACTUAL)	T	WIDTH (W)		OFFSET FROM E.O.P.*		1/2 AREA PIPE [O.D.] (SQ M)
			WITHOUT SHORING	WITH SHORING	WITHOUT SHORING	WITH SHORING	
250	254	51	0.806m	1.356m	1.406m	1.956m	.049
300	305	51	0.856m	1.406m	1.456m	2.006m	.063
375	381	57	0.945m	1.495m	1.545m	2.095m	.094
450	457	64	1.034m	1.584m	1.634m	2.184m	.131
525	533	70	1.123m	1.673m	1.723m	2.273m	.174
600	610	76	1.212m	1.762m	1.812m	2.362m	.222
675	686	83	1.301m	1.851m	1.901m	2.451m	.277
750	762	89	1.390m	1.940m	1.990m	2.540m	.338
900	914	102	1.568m	2.118m	2.168m	2.718m	.478
1050	1067	114	1.745m	2.295m	2.345m	2.895m	.642
1200	1219	127	1.923m	2.473m	2.523m	3.073m	.830



NOTES:

1. TRENCH BACKFILL IS REQUIRED IF THE STORM SEWER OR CULVERT OFFSET FROM THE EDGE OF THE PAVEMENT IS LESS THAN THE TABULATED VALUES (THE INNER TRENCH WALL IS CLOSER THAN 2' (.6m) TO THE EDGE OF PAVEMENT).
2. PAYMENT FOR THE TRENCH BACKFILL SHALL NOT EXCEED THE QUANTITY COMPUTED USING THE MAXIMUM TRENCH WIDTH DIMENSIONS. IF THE TRENCH IS EXCAVATED BEYOND THESE LIMITS, THE CONTRACTOR SHALL FURNISH AND PLACE ANY ADDITIONAL TRENCH BACKFILL AT HIS/HER EXPENCE.
3. IF THE TRENCH WIDTH IS LESS THAN THE ABOVE MAXIMUM VALUES, PAYMENT WILL BE BASED ON THE ACTUAL DIMENSIONS OF THE DUG TRENCH.
4. BEDDING SHALL BE PLACED FROM 4" UNDER THE PIPE TO THE SPRING LINE OF THE PIPE AND IS INCIDENTAL TO THE CORRESPONDING STORM SEWER OR CULVERT PAY ITEM.
5. IF ANY PART OF THE EXCAVATION FOR A DRAINAGE STRUCTURE FALLS WITHIN 2' (.6m) OF THE EDGE OF PAYMENT, THE SPACE BETWEEN THE SIDE OF THE EXCAVATION AND THE OUTER SURFACE OF THE DRAINAGE STRUCTURE SHALL BE FILLED WITH TRENCH BACKFILL. THE COST OF THIS ITEM IS INCLUDED IN THE PAY ITEM FOR THE DRAINAGE STRUCTURE.

SCALE: 1" = 2'

LakeCounty Division of Transportation
 APPROVED BY: G. N. WIESNER
 DATE: SEPT. 3, 1999

TRENCH WIDTHS FOR TRENCH BACKFILL & PAVEMENT REPLACEMENT

REVISIONS	DATE
Maurice Schoten	06/21/01
DUAL DIMENSIONS	08/28/01
CHART UPDATE	12/12/02

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
FAU 2647 - BUTTERFIELD ROAD
TRENCH WIDTHS FOR
TRENCH BACKFILL &
PAVEMENT REPLACEMENT

SCALE: NONE
 DATE: 12/2/2005
 DRAWN BY: N/A
 CHECKED BY: N/A