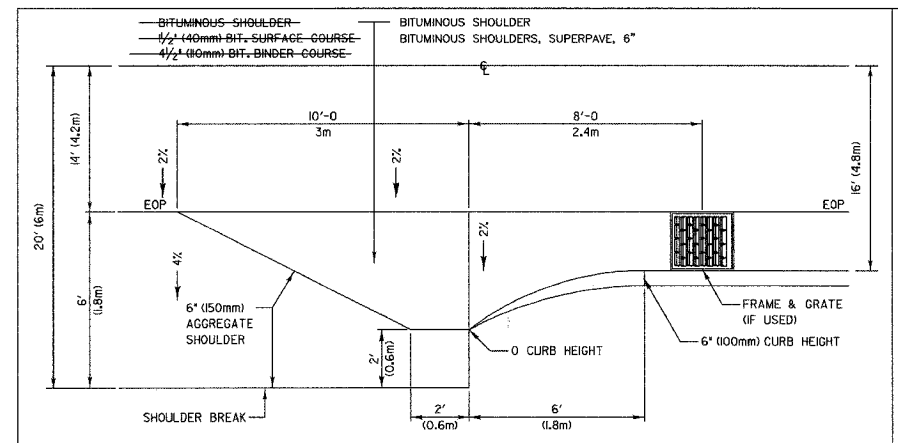


FILE #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
CH	A47	LAKE	176	163
STA.	TO STA.			
03-00088-00-FP	ALBION	SURFACE TRANSPORTATION FUNDING		
CONTRACT NUMBER 83807				

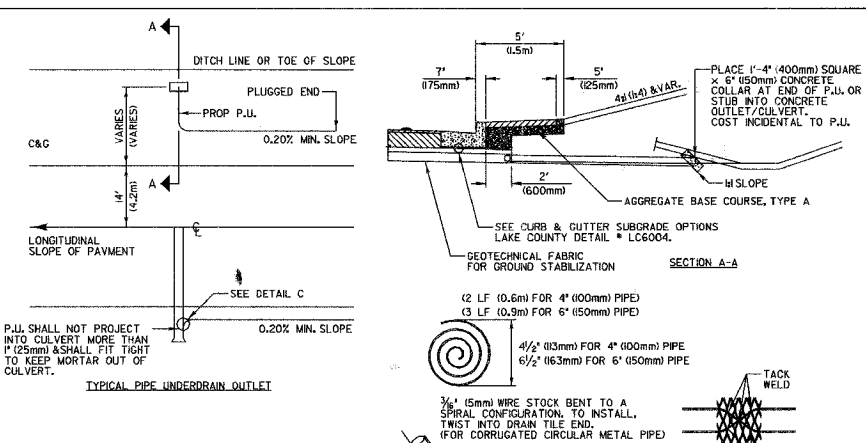


SCALE: 1" = 3'

Lake County
Division of Transportation
APPROVED BY: G. N. WESNER
DATE: AUG. 23, 1999

REVISIONS
DATE
DUAL DIMENSIONS

CURB & GUTTER TRANSITION
(B-6.24/B-15.60)
FOR 16' (4.8M) OFFSET



GENERAL NOTES
ALL WORK TO BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF THE STANDARD SPECIFICATIONS EXCEPT AS MODIFIED HEREON.
IN ADDITION TO THE REQUIREMENTS OF ARTICLE 608.06 OF THE STANDARD SPECIFICATIONS, THE CONTRACT UNIT PRICE PER FOOT (METER) FOR PIPE UNDERDRAINS 4" (100mm) SHALL INCLUDE THE COST FOR FURNISHING AND PLACING THE RODENT SHIELD.

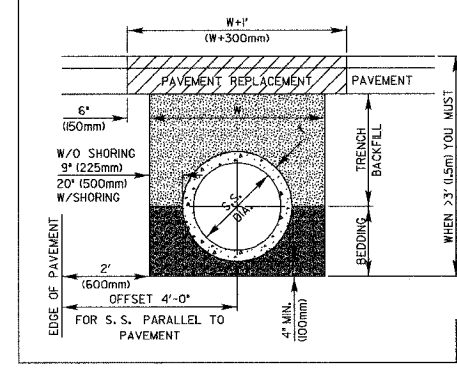
THE REMOVABLE RODENT SHIELD SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH ONE OF THE CONFIGURATIONS SHOWN. THE SHIELD SHALL BE FABRICATED FROM STEEL WIRE OR EXPANDED METAL, AS DETAILED ABOVE AND SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A118. OTHER SUBMITTED DESIGNS FOR A REMOVABLE RODENT SHIELD WILL BE ALLOWED WITH THE APPROVAL OF THE ENGINEER.

REVISIONS
DATE
DUAL DIMENSIONS

SUB-SURFACE DRAINS

S.S. DIA.	T	WIDTH (W)		OFFSET FROM E.O.P.*		1/2 AREA PIPE (SQ. FT)
		WITHOUT SHORING	WITH SHORING	WITHOUT SHORING	WITH SHORING	
10"	2"	2' 7"	4' 5"	3' 3"	4' 2"	.506
12"	2"	2' 9"	4' 7"	3' 4"	4' 3"	.678
15"	2 1/2"	3' 1"	4' 10"	3' 6"	4' 5"	1.01
18"	2 1/2"	3' 4"	5' 2"	3' 8"	4' 6"	1.41
21"	2 3/4"	3' 8"	5' 5"	3' 9"	4' 8"	1.87
24"	3"	4' 0"	5' 9"	3' 11"	4' 10"	2.39
27"	3 1/4"	4' 3"	6' 0"	4' 1"	4' 11"	2.99
30"	3 1/2"	4' 6"	6' 3"	4' 2"	5' 1"	3.64
36"	4"	5' 1"	6' 10"	4' 6"	5' 5"	5.16
42"	4 1/2"	5' 8"	7' 5"	4' 9"	5' 8"	6.90
48"	5"	6' 3"	8' 0"	5' 1"	6' 0"	8.93

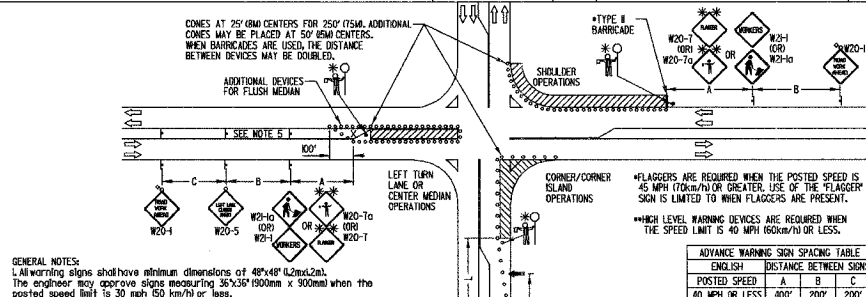
S.S. DIA.	T	WIDTH (W)		OFFSET FROM E.O.P.*		1/2 AREA PIPE (SQ. M)
		WITHOUT SHORING	WITH SHORING	WITHOUT SHORING	WITH SHORING	
250	48	0.796m	1.346m	0.998m	1.273m	.047
300	51	0.852m	1.402m	1.026m	1.301m	.063
375	57	0.939m	1.489m	1.070m	1.345m	.094
450	64	1.028m	1.578m	1.114m	1.389m	.131
525	70	1.115m	1.665m	1.158m	1.433m	.174
600	76	1.202m	1.752m	1.201m	1.476m	.222
675	83	1.291m	1.841m	1.246m	1.521m	.278
750	89	1.378m	1.928m	1.289m	1.564m	.338
825	96	1.464m	2.014m	1.337m	1.612m	.409
900	102	1.554m	2.104m	1.377m	1.652m	.479
1050	114	1.728m	2.278m	1.464m	1.739m	.641
1200	127	1.904m	2.454m	1.552m	1.827m	.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' (0.6m) 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 EXPENSE.
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' (0.6m) OF THE EDGE OF PAVEMENT, 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.

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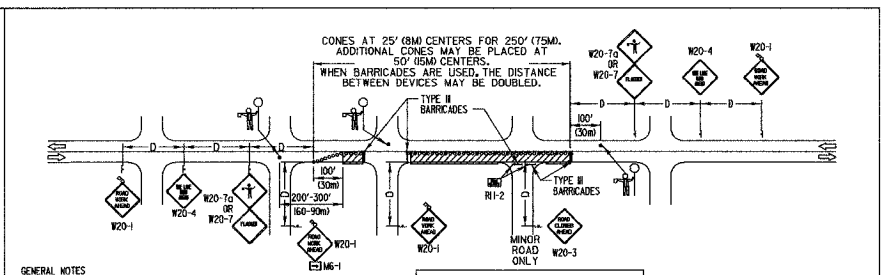
TRENCH WIDTHS FOR TRENCH BACKFILL & PAVEMENT REPLACEMENT



GENERAL NOTES:
1. All warning signs shall have minimum dimensions of 48"x48" (1.2m x 1.2m). The engineer may approve signs measuring 36"x36" (900mm x 900mm) when the posted speed limit is 30 mph (50 km/h) or less.
2. All signs not on the traveled way shall be post mounted. If the closure time exceeds four calendar days, all signs shall be posted with the bottom of the sign not less than 7' (2.1m) above the edge of pavement. NO PARKING signs shall be installed throughout the work area at the discretion of the engineer.
3. The distance 'L' shall be defined as:
L = 1000 / (SPEED) * (FORMULA)
45 mph (70 km/h) or greater: L = 1000 / (SPEED)
45 mph (70 km/h) or less: L = 1000 / (SPEED)
Where L = WIDTH OF CLOSURE (IN FT (M)) AND S = NORMAL POSTED SPEED LIMIT (IN MPH (KM/H))
4. Type II barricades with Type C steady burning lights shall be used in lieu of cones for night operations. All cones and barricades shall be in accordance with Standard 701.00.
5. For rolled median operations, where the rolled median is less than 10' (3m) signing shall be installed on the median. No signing shall be installed on any painted median.
6. If the work operation is performed between 9:00 am and 3:00 pm and the work does not exceed 5 minutes, the traffic protection shall be as shown for Standard 703.03. Signs, when required, shall be at the spacing specified in the Advance Warning Sign Spacing Table.
7. If the work area is in the parking lane and the parking exists during work hours, a ROAD WORK AHEAD sign shall be installed in advance of the work area at the spacing specified in the Advance Warning Sign Spacing Table and the area protected with cones or barricades.
8. Type A flashing lights shall be used on each approach in advance of the work area during hours of darkness and installed above the first sign in each series and the high level warning devices.
9. Longitudinal dimensions may be adjusted to fit field conditions.
10. Form BT 725 is required.

REVISIONS
DATE
DUAL DIMENSIONS

MODIFIED STANDARD 701.01-02



GENERAL NOTES:
1. All warning signs shall have minimum dimensions of 48"x48" (1.2m x 1.2m). The engineer may approve signs measuring 36"x36" (900mm x 900mm) when the posted speed limit is 30 mph (50 km/h) or less.
2. All signs not on the traveled way shall be post mounted. If the closure time exceeds four calendar days, all signs shall be posted with the bottom of the sign not less than 7' (2.1m) above the edge of pavement. NO PARKING signs shall be installed throughout the work area at the discretion of the engineer.
3. The flagger shall be in sight of each other or in direct communication at all times. When no work is being performed, the flaggers shall be required. If the flaggers are not present, the flagger sign shall be removed, covered or turned away from traffic.
4. Barricades with Type C steady burning lights shall be used in lieu of cones for night operations. All cones and barricades shall be in accordance with Standard 703.03.
5. When necessary, additional flaggers shall be positioned so as to require side street traffic.
6. Construction operations shall be confined to one lane, leaving the opposite lane open to traffic.
7. If the work operation is performed between 9:00 am and 3:00 pm and the work does not exceed 5 minutes, the traffic protection shall be as shown for Standard 703.03. Signs, when required, shall be at the spacing specified in the Advance Warning Sign Spacing Table and the area protected with cones or barricades.
8. If the work area is in the parking lane and the parking exists during work hours, a ROAD WORK AHEAD sign shall be installed in advance of the work area at the spacing specified in the Advance Warning Sign Spacing Table and the area protected with cones or barricades.

REVISIONS
DATE
DUAL DIMENSIONS

MODIFIED STANDARD 701.01-02

REVISIONS
NAME
DATE

Lake County
Division of Transportation
APPROVED BY: G. N. WESNER
DATE: SEPT. 3, 1999

REVISIONS
DATE
DUAL DIMENSIONS

Lake County
Division of Transportation
APPROVED BY: ANTHONY BARAJA
DATE: SEPT. 6, 1999

REVISIONS
DATE
DUAL DIMENSIONS

Lake County
Division of Transportation
APPROVED BY: ANTHONY BARAJA
DATE: SEPT. 6, 1999

VILLAGE OF BUFFALO GROVE
LCDOT DETAILS
DEERFIELD PARKWAY IMPROVEMENT

DATE: 6/2/2005
DESIGNED BY: RTM
TECHNICIAN: JRR
CHECKED BY: RTM

NOT TO SCALE

DEERFIELD PARKWAY STP IMPROVEMENT SHEET 163 OF 176

BID SET