

NOTE 1:
6" - 4' DIA. M.H.
8" - 5' DIA. M.H.

NOTE 2:
4' M.H. 1'-8" DESIRABLE
1'-4" MIN.
5' M.H. 1'-10" DESIRABLE
1'-6" MIN.

PIPE DIA.	T	MINIMUM DEPTH			
		4" DIAMETER	5" DIAMETER	4" DIAMETER	5" DIAMETER
10"	2"	2.33'	2.67'	2.50'	2.83'
12"	2"	2.50'	2.83'	2.67'	3.00'
15"	2 1/4"	2.77'	3.10'	2.94'	3.27'
18"	2 1/2"	3.04'	3.38'	3.21'	3.54'
21"	2 3/4"	-	-	3.48'	3.81'
24"	3"	-	-	3.75'	4.08'
30"	3 1/2"	-	-	4.29'	4.63'
36"	4"	-	-	4.83'	5.17'
42"	4 1/2"	-	-	5.38'	5.71'

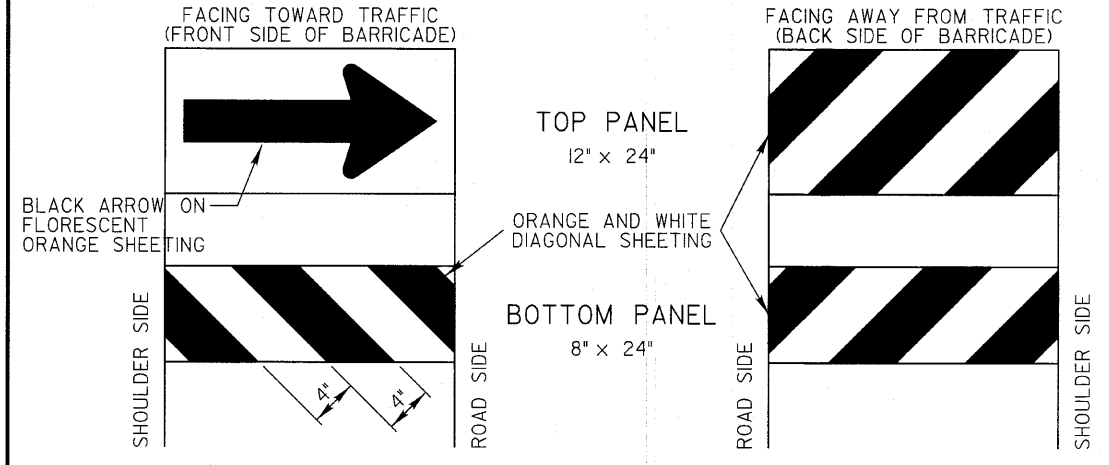
STRUCTURES REQUIRE SUMP FOR HEADROOM

SCALE: 1"=2'

REVISIONS	DATE	APPROVED BY: M. G. ZEMAITIS
		DATE: APRIL 1, 2007

RESTRICTED DEPTH MANHOLE

DIRECTION INDICATOR BARRICADES



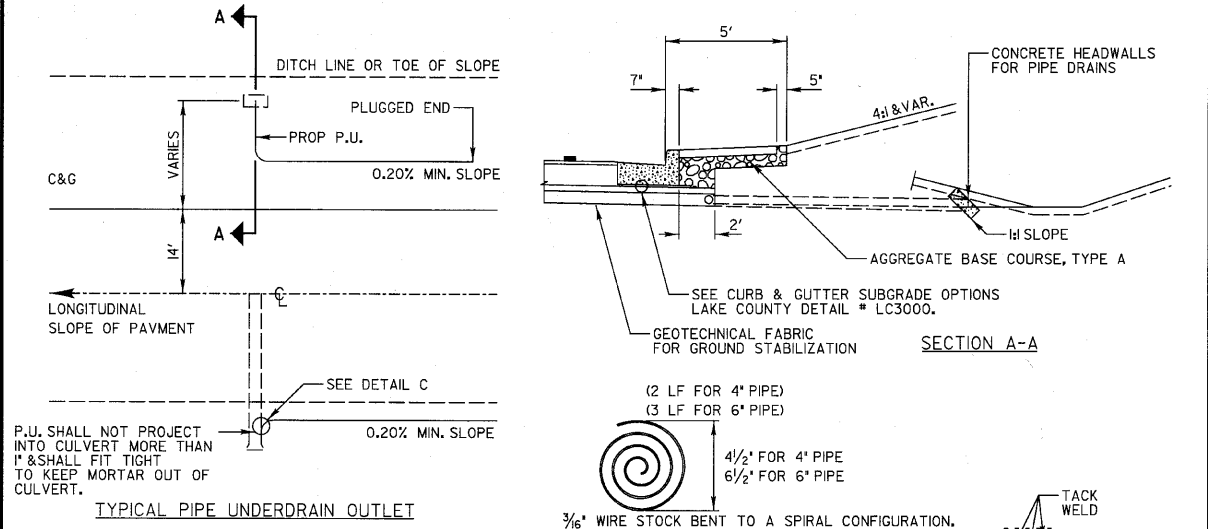
GENERAL NOTES

- Direction Indicator Barricades shall be constructed from non-metallic Type II barricades meeting the requirements of Article 1106.02 of the Standard Specifications, except where modified by this detail.
- The Direction Indicator Barricades shall be equipped with Type C steady burning lights if used to channelize traffic during the hours of darkness.
- The reflective sheeting for the top panel shall be Type AZ fluorescent orange. The diagonal panels shall have orange and white Type A or better reflective sheeting.

REVISIONS	DATE	APPROVED BY: ANTHONY KHAWAJA
		DATE: APRIL 1, 2007

**TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
HIGHWAY CONSTRUCTION CONTRACT MAINTENANCE**

DIRECTION INDICATOR BARRICADES



DESIGN NOTES:

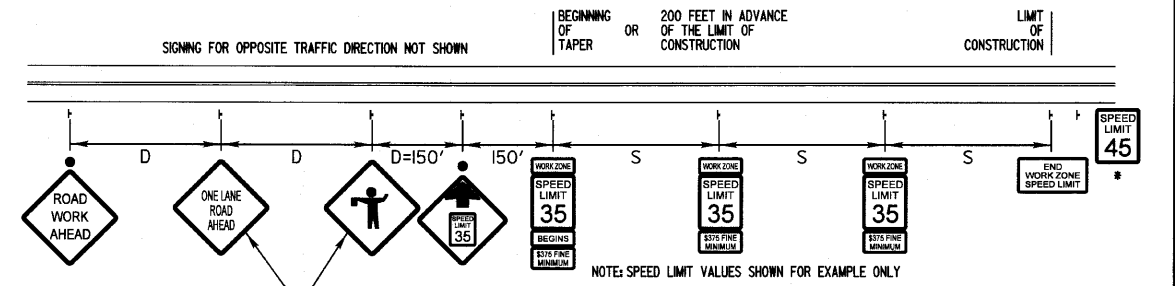
All work to be in accordance with the applicable portions of the standard specifications except as modified hereon.

In addition to the requirements of article 601.08 of the standard specifications, the contract unit price per foot for pipe underdrains 4' 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 AASHTO M-111. Other submitted designs for a removable rodent shield will be allowed with the approval of the engineer.

REVISIONS	DATE	APPROVED BY: M. G. ZEMAITIS
		DATE: APRIL 1, 2007

SUB-SURFACE DRAINS



ADVANCE WARNING SIGN SPACING TABLE

ROAD TYPE (EXISTING SPEED LIMIT)	DISTANCE BETWEEN SIGNS D
URBAN-LOW SPEED (40 M.P.H. OR LESS)	200 FT.
URBAN-HIGH SPEED (45-50 M.P.H.)	350 FT.
RURAL (55 M.P.H. OR GREATER)	500 FT.

WORK ZONE SPEED LIMIT SIGN SPACING

WORK ZONE SPEED LIMIT	DISTANCE BETWEEN SIGNS S
35 TO 40 M.P.H.	990 FT. TO 1,980 FT.
45 TO 50 M.P.H.	1,320 FT. TO 2,640 FT.

NOTES:

- EXISTING SPEED LIMIT BEFORE CONSTRUCTION.
- THE SIGN SPACING BETWEEN WORK ZONE SPEED LIMIT SIGNS SHALL BE THE SAME AS COMPARABLE REGULAR SPEED LIMIT SIGNING AS STATED IN THE L.C.D.O.T. POLICY FOR THE ESTABLISHMENT AND POSTING OF SPEED LIMITS ON COUNTY AND TOWNSHIP HIGHWAYS WITHIN LAKE COUNTY, ILLINOIS. A MINIMUM OF 2 WORK ZONE SPEED LIMIT SIGNS SHALL BE REQUIRED PER DIRECTION OF TRAFFIC.
- EXISTING SPEED LIMIT SIGNS AND POST SHALL BE REMOVED AND RETURNED TO THE L.C.D.O.T.'S SIGN SHOP WITHIN 24 HOURS OF REMOVAL.
- ON MULTILANE HIGHWAYS, WORK ZONE SPEED LIMIT AND ADVANCE CONSTRUCTION SIGNING SHALL BE ON THE RIGHT SIDE RIGHT-OF-WAY AND THE LEFT MEDIAN, WHEN THE MEDIAN IS NOT PAVED AND THE WIDTH IS 10 FEET OR GREATER.
- ALL SIGNS SHALL BE PERMANENTLY POST MOUNTED IF THE SIGNS WILL BE DISPLAYED FOR MORE THAN 48 HOURS.

REVISIONS	DATE	APPROVED BY: A. KHAWAJA
		DATE: 4/14/09

WORK ZONE SPEED LIMIT SIGNING DIAGRAM
(SHEET 1 OF 2)

FILE NAME = #FILE#



USER NAME = #USER#	DESIGNED - MAG	REVISED -
PLOT SCALE = #SCALE#	DRAWN - VLF	REVISED -
PLOT DATE = #DATE#	CHECKED - RKK	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LCDOT STANDARD DETAILS

SCALE: AS SHOWN SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE. 2661	SECTION 02-00076-13-CH	COUNTY LAKE	TOTAL SHEETS 177	SHEET NO. 107
CONTRACT NO. 63457				