

SPECIFICATIONS FOR TUNNELING OR TRENCHING NEAR TREES FOR THE INSTALLATION OF UNDERGROUND UTILITY SERVICES

TREE DIAMETER	DISTANCE OF TUNNEL FROM TREE TRUNK	DISTANCE OF OPEN BYPASS TRENCH FROM TREE TRUNK
INCHES	FEET	FEET
2	2	3
3	3	5
6	5*	10
12	6*	12
18	7*	14
24+	8*	16

* DEPENDENT ON PARKWAY WIDTH

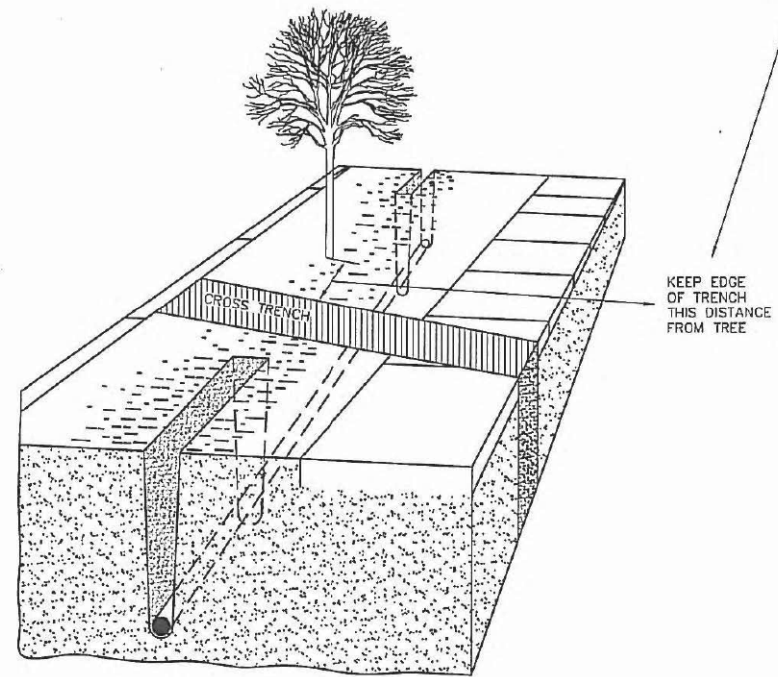


DIAGRAM ILLUSTRATING THE USE OF SOIL AUGERS IN THE PRESENCE OF TREES.

 CHICAGO DEPARTMENT OF TRANSPORTATION	DATE	REVISION	CITY OF CHICAGO		
	—	—	TRENCH GUIDELINES ADJACENT TO TREES		
			DATE	SHEET	DRAWN BY
			01/11/2007	A-5-3	CDOT

GENERAL NOTES

- TEMPORARY WALKWAY MAY ENCRUSCH ON AN EXISTING PARKING LANE. IF THE ENCRUSCHMENT IS NEAR A CURB OR SIDEWALK, THE ENCRUSCHMENT SHALL BE CLOSED IN ACCORDANCE WITH APPROPRIATE LANE CLOSURE DETAILS PERMIT REQUIRED.
- THE SIDEWALK CLOSED / USE OTHER SIDE SIGN SHALL BE PLACED AT THE NEAREST CROSSWALK OR INTERSECTION TO EACH END OF THE CLOSURE. WHEN THE CLOSURE OCCURS AT A CORNER, THE SIGNS SHALL BE ERRECTED AT THE CORNER. THE SIGNS SHALL BE PLACED AT THE ENDS OF THE CLOSURE. THE SIDEWALK CLOSED SIGNS SHALL BE USED AT THE ENDS OF THE TYPICAL CLOSURES.
- ALL WALKWAYS SHALL BE CLEARLY IDENTIFIED, PROTECTED FROM MOTOR VEHICLE TRAFFIC AND FREE OF ANY OBSTRUCTIONS AND HAZARDS SUCH AS HOLES, DEBRIS, MUD, CONSTRUCTION EQUIPMENT, STORED MATERIALS, ETC.
- ALL HAZARDS (DITCHES, TRENCHES, EXCAVATIONS, ETC.) NEAR OR ADJACENT TO WALKWAYS SHALL BE ALREADY DELINEATED.
- TYPE III BARRILOADS AND R11-2-4000 SIGNS SHALL BE POSITIONED AS SHOWN IN ROAD CLOSED TO ALL TRAFFIC DETAIL ON HIGHWAY STANDARD 229E.
- WHEN THE POSTED SPEED LIMIT IS 35 M.P.H. OR MORE, ALL WARNING SIGNS SHALL HAVE A MINIMUM DIMENSION OF 48 IN. OR MORE. WHEN THE POSTED SPEED LIMIT IS 30 M.P.H. OR LESS, ALL WARNING SIGNS SHALL HAVE A MINIMUM DIMENSION OF 36 IN. BY 36 IN.
- WHEN THE EXISTING PEDESTRIAN ACCESS ROUTE IS BLOCKED BY CONSTRUCTION, ALTERATION, MAINTENANCE, OR OTHER TEMPORARY CONDITIONS, AN ALTERNATE PEDESTRIAN ACCESS ROUTE COMPLYING TO THE REQUIREMENTS OF THE ADA SHALL BE PROVIDED. THE ALTERNATE ROUTE SHALL BE AS IDENTIFIED IN THE PERMIT, IF FEASIBLE WITH APPROX 6' ADA STANDARDS SHALL BE MAINTAINED.
- BARRILOADS NEAR THE PEDESTRIAN ACCESS ROUTE SHALL HAVE A SOLID CONTINUOUS BOTTOM RAIL BETWEEN 4' AND 12' IN HEIGHT.

SYMBOLS

- WORK AREA
- CONCRETE BARRIER WALL MUST BE INSTALLED WITH TERMINAL SECTION.
- SIGN ON PORTABLE OR PERMANENT SUPPORT.
- BARRILOAD OR DRAIN WITH FLASHING LIGHT.

 CHICAGO DEPARTMENT OF TRANSPORTATION	DATE	REVISION	CITY OF CHICAGO		
	—	—	CROSSWALK AND SIDEWALK CLOSURE		
			DATE	SHEET	DRAWN BY
			01/23/07	A-6-11	CDOT

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D160W29-Sht-CDOT-DETAIL-04.dgn	DESIGNED - CDOT	REVISED -
USER NAME = BAW1tor-t	DRAWN - CDOT	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - CDOT	REVISED -
PLOT DATE = 10/28/2013	DATE - 10/30/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CHICAGO DEPARTMENT OF TRANSPORTATION
STANDARD CONSTRUCTION DETAILS A-5-3 & A-6-11**

SCALE: NONE SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-011R	COOK	356	340
CONTRACT NO. 60W29				
ILLINOIS FED. AID PROJECT				