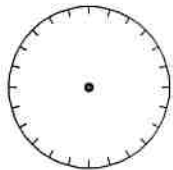


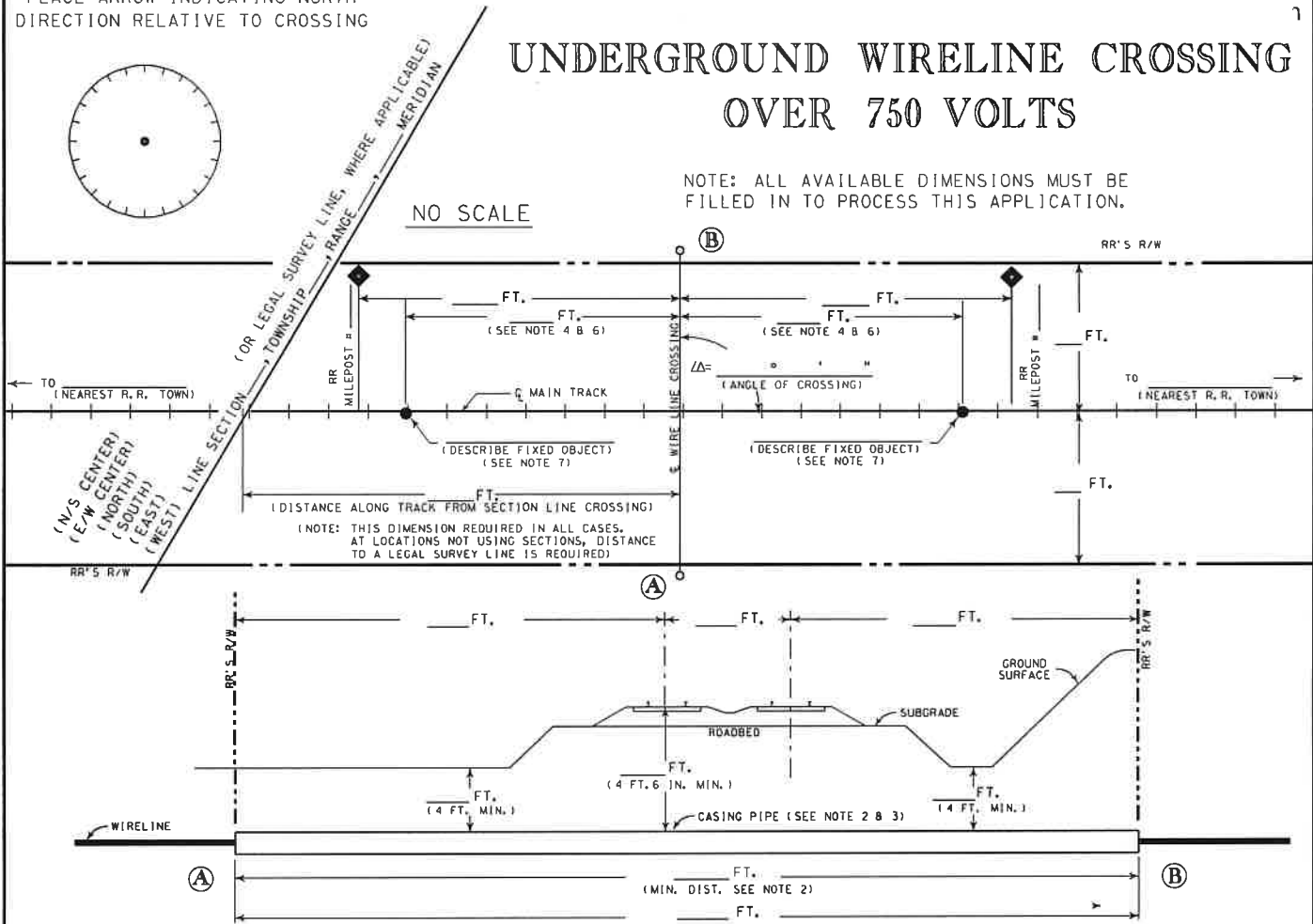
PLACE ARROW INDICATING NORTH
DIRECTION RELATIVE TO CROSSING



UNDERGROUND WIRELINE CROSSING OVER 750 VOLTS

NOTE: ALL AVAILABLE DIMENSIONS MUST BE
FILLED IN TO PROCESS THIS APPLICATION.

NO SCALE



NOTES :

- 1) ALL HORIZONTAL DISTANCES TO BE MEASURED AT RIGHT ANGLES FROM \mathcal{C} OF TRACK, EXCEPT AS NOTED.
- 2) ENCASE COMPLETELY ACROSS OUR R/W WITH A RIGID METALLIC CONDUIT OR NON-METALLIC CONDUIT (PVC) ENCASED IN A MINIMUM OF 3 INCHES OF CONCRETE.
- 3) INSTALL 6 INCH WIDE WARNING TAPE 1 FOOT BELOW GROUNDLINE DIRECTLY OVER THE UNDERGROUND POWER LINE WHERE LOCATED ON OUR R/W OUTSIDE THE TRACK BALLAST SECTIONS.
- 4) IF WITHIN AREA OF UNDERGROUND SIGNAL FACILITIES SUCH AS FLASHING CROSSING SIGNALS, POWER SWITCHES, TRACK SIGNALS, ETC., CHECK WITH SIGNAL DEPARTMENT.
- 5) SIGNAL REPRESENTATIVE MUST BE PRESENT DURING INSTALLATION IF RAILROAD SIGNALS ARE IN THE VICINITY OF CROSSING.
- 6) MINIMUM OF 50' FROM THE END OF ANY RAILROAD BRIDGE, \mathcal{C} OF ANY CULVERT, OR FROM ANY SWITCHING AREA.
- 7) ALLOWABLE FIXED OBJECTS INCLUDE: BACKWALLS OF BRIDGES; \mathcal{C} OF ROAD CROSSINGS & OVERHEAD VIADUCTS (GIVE ROAD NAME), OR \mathcal{C} CULVERTS.
- 8) CASING AND CARRIER PIPE MUST BE PLACED A MINIMUM OF 2 FEET BELOW THE EXISTING FIBER OPTIC CABLE. ANY EXCAVATION REQUIRED WITHIN 5 FEET OF THE EXISTING FIBER OPTIC CABLE MUST BE HAND DUG.

FORMULA TO FIGURE CASING
LENGTH WITH ANGLE OF
CROSSING OTHER THAN 90°



A) IS WIRELINE CROSSING WITHIN DEDICATED STREET? YES; NO;

B) IF YES, NAME OF STREET _____

C) VOLTAGE TO BE CARRIED UNDER TRACK _____

D) DISTRIBUTION LINE _____ OR TRANSMISSION LINE _____

E) MAXIMUM CURRENT _____

F) SINGLE PHASE _____ THREE PHASE _____ NO. OF CIRCUITS _____

G) MAX. OPERATING CURRENT TO GROUND AT FEED END _____ AMPS.

H) MAX. OPERATING CURRENT TO GROUND AT LOAD END _____ AMPS.

I) WHAT TYPE OF FACILITY WILL LINE BE SERVING? _____

J) IF SEPARATE CABLES ARE USED, WHAT IS THE AVG. DISTANCE BETWEEN CABLES? _____

K) IF A NEW POWER SUBSTATION IS TO BE BUILT OR REVISED WITHIN 1/2 MILE OF RR,
WHAT IS: MAX OPERATING CURRENT TO GROUND? _____ AMPS;
MAX RESISTANCE TO GROUND? _____ OHMS; MAX FAULT CURRENT TO GROUND? _____ AMPS.

L) CASING TYPE TO BE INSTALLED _____

M) METHOD OF INSTALLING CASING PIPE UNDER TRACK(S):
_____ DRY BORE AND JACK (WET BORE NOT PERMITTED);
_____ TUNNEL; OTHER _____

N) DISTANCE FROM CENTER LINE OF TRACK TO NEAR FACE OF BORING AND JACKING PITS
WHEN MEASURED AT RIGHT ANGLES TO TRACK _____ FT. (30' MIN.)

O) APPLICANT HAS CONTACTED 1-800-336-9193
U. P. COMMUNICATION DEPARTMENT, AND HAS DETERMINED FIBER OPTIC CABLE
_____ DOES; _____ DOES NOT; EXIST IN VICINITY OF WORK TO BE PERFORMED.

TICKET NO. _____

EXHIBIT "A"

(FOR RAILROAD USE ONLY - DO NOT WRITE IN THIS BOX)

(SUBDIVISION) _____

M. P. _____ E. S. _____

UNDERGROUND WIRELINE CROSSING

(NEAREST RR STATION) _____ (COUNTY) _____ (STATE) _____

FOR _____ (APPLICANT) _____

RR FILE NO. _____ DATE _____

WARNING

IN ALL OCCASIONS, U. P. COMMUNICATIONS
DEPARTMENT MUST BE CONTACTED IN ADVANCE
OF ANY WORK TO DETERMINE EXISTENCE AND
LOCATION OF FIBER OPTIC CABLE.
PHONE : 1-800-336-9193