ANCHOR STYLE A

CAST INTO BOLLARD
GRADE LINE

QUICK SET CONCRETE OR GROUT

THREADLESS ANCHOR BOLT

NOTE: THIS TYPE ANCHORING IS NOT USED AS A BARRICADE.
IF USING BOLLARD WITH LIGHT, RUN CONDUIT THROUGH CENTER OF BOLT PATTERN AND STUB OUT.
X = BLOCKOUT DIMENSION SHOULD BE 1/2" LESS THAN THE OUTSIDE OF THE BOLLARD.

ANCHOR STYLE B

4" SCH. 40 PVC PIPE

MAX HEIGHT

GRADE LINE

3" DIA. SCH. 40 STEEL PIPE

* DISTANCE OF PIPE BELOW AND ABOVE GRADE IS TO BE DETERMINED BY OTHERS

NOTE: THIS TYPE ANCHORING IS ALSO USED AS A BARRICADE.
BOLLARD HELD IN PLACE BY STEEL PIPE
STEEL PIPE MUST BE ANCHORED IN CONCRETE FOOTING
TYP. 12" DIA. CONCRETE BOLLARD SAME ANCHORING SYSTEM USED ON 14" AND 18" DIA. OR SQ. BOLLARDS

ANCHOR STYLE C

CONDUIT FOR LIGHT CAST IN 1/2" JOINT W/ SEALANT
GRADE LINE

LEVELING SAND

UNDISTURBED SOIL CORED

SUPPLY CONDUIT AND WIRE BY OTHERS

CONCRETE OR SAND FILL

CONCRETE BOLLARD

GRADE LINE

BLOCK OUT SQUARE

THREADLESS ANCHOR BOLT

X = BLOCKOUT DIMENSION SHOULD BE 1/2" LESS THAN THE OUTSIDE OF THE SURFACE AREA TOUCHING THE GROUND.

X = BLOCKOUT DIMENSION SHOULD BE 1/2" LESS THAN THE OUTSIDE OF THE BOLLARD.