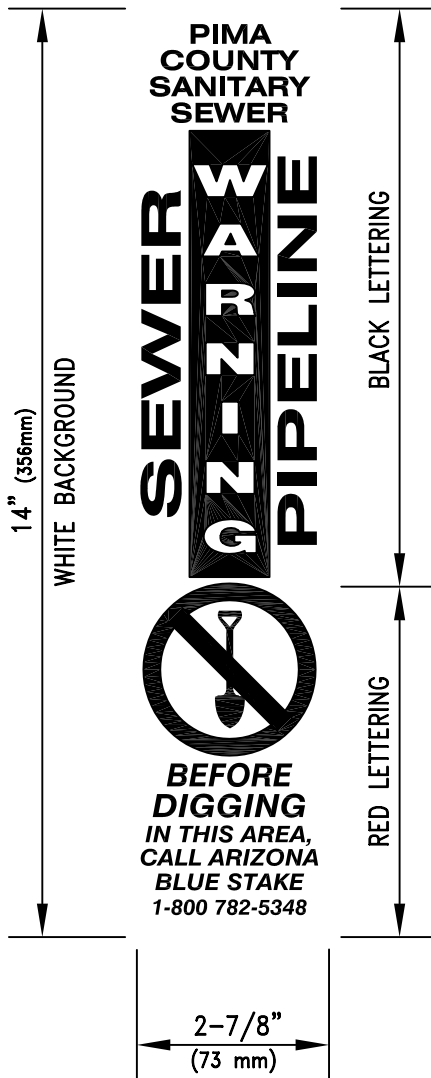


NOTES:

1. THE CONTRACTOR SHALL FURNISH AND INSTALL SEWER LINE MARKERS PER THE PLANS AND MANUFACTURER'S SPECIFICATIONS AT EACH MANHOLE LOCATION WHERE THE MANHOLE IS LOCATED OUTSIDE THE PAVED AREA OR WHERE THE CONSTRUCTION PLANS CALL FOR A SEWER LINE MARKER.
2. MARKERS SHALL BE INSTALLED 10 FEET (3 m) TO THE RIGHT AS YOU LOOK DOWNSTREAM ALONG THE SEWER LINE, OR ON THE EDGE OF THE SEWER EASEMENT IF 10 FEET (3 m) IS NOT AVAILABLE. IN ANY CASE, THE MARKER IS TO BE NO CLOSER THAN 10 FEET (3 m) FROM THE EDGE OF STRIP PAVEMENT OR 1 FOOT (300 mm) FROM THE FACE OF CURB. FOR LOCATIONS THAT DO NOT FIT THESE CONDITIONS, SPECIFIC INSTRUCTIONS SHALL BE OBTAINED FROM THE ENGINEER.
3. THE MARKERS SHALL BE UV-STABILIZED POLYPROPYLENE "SENTRY POSTS" AS MANUFACTURED BY REPNET INC. (1-800-522-4343) OR APPROVED EQUAL. THE MARKERS SHALL BE TUBULAR IN SHAPE, 4 FEET (1.2 m) HIGH ABOVE GROUND AFTER INSTALLATION AND APPROXIMATELY 2-1/2 INCHES (64 mm) IN DIAMETER, EXCEPT AT THE UPPER 11 TO 14 INCHES (280 mm TO 360 mm). THE TOP SHALL BE FLATTENED TO AN OVAL SHAPE AT LEAST 3 INCHES (75 mm) IN WIDTH AND ABOUT 1 INCH (25 mm) AT THE MINOR AXIS. THE TOP SHALL BE CAPPED SO AS TO BE WATER-RESISTANT. THE MARKERS SHALL BE REBOUNDABLE FOR THE LIFE OF MARKER. MARKERS SHALL BE GREEN IN COLOR.
4. MARKERS SHALL BE FOR USE WITH A CHISEL-POINTED, DRIVEABLE, REUSABLE, GALVANIZED, 18-INCH (460 mm) METAL SOIL ANCHOR, INTO WHICH THE MARKER IS INSERTED AND HELD IN PLACE BY A LOCKING MECHANISM. SOIL ANCHORS SHALL BE DRIVEN UNTIL FLUSH WITH GRADE LEVEL. A PURPOSE-BUILT DRIVER SHALL BE USED FOR INSTALLATION TO AVOID DAMAGE TO THE SOIL ANCHOR.
5. EACH MARKER SHALL BE INSTALLED WITH TWO WARNING MESSAGE DECALS, ONE PER EACH SIDE OF THE TOP FLATTENED OVAL SHAPE. DECALS SHALL BE AS THE STANDARD REPNET SD-1040 DECAL FOR SEWER PIPELINES, OR APPROVED EQUAL, WITH THE SPECIFIC MARKING INFORMATION SHOWN ON THE DRAWING TO THE LEFT OF THIS NOTE. DECALS SHALL BE MANUFACTURED OF PREMIUM-GRADE VINYL AND PRINTED WITH UV-RESISTANT INKS AND CLEAR-COATED WITH UV-BLOCKING INK. DECAL ADHESIVE SHALL BE PEEL- AND UV-RESISTANT.
6. FOR LOCATIONS WHERE THE MANHOLE MAY BE OBSCURED FROM THE MARKER, SUCH AS HEAVILY OVERGROWN AREAS, A SECOND DECAL SHALL BE PLACED ON BOTH SIDES OF THE MARKER, NO MORE THAN 6 INCHES (150 mm) BELOW EACH WARNING DECAL. THIS DECAL SHALL SHOW A BLACK DIRECTIONAL ARROW ON A WHITE BACKGROUND AND BE ABOUT 2 INCHES (50 mm) HIGH BY 3 INCHES (75 mm) WIDE. ARROW DECALS SHALL BE INSTALLED AFTER MARKER INSTALLATION TO POINT IN THE DIRECTION OF THE INDICATED MANHOLES. ARROW DECAL MATERIALS SHALL BE IDENTICAL TO THOSE USED IN THE WARNING DECALS.



MARKER DECAL

ISSUED:		STANDARD DETAIL		DETAIL NO.
8/92		SEWER MARKER		WWM 224
REVISED:				SHEET 1 OF 1
7/02				