PULL BOXES SHALL BE PLACED BEHIND THE SIDEWALK OR IN THE PLANTER AREA WHENEVER POSSIBLE. TRAFFIC RATED BOXES AND COVERS SHALL BE USED IF A PULL BOX MUST BE INSTALLED IN THE SIDEWALK OR DRIVEWAY.

## NOTES:

BOLT HOLE

PLAN VIEW

(BOTTOM OF COVER)

-1-3/4" x 1-3/4" x 3/16" ANGLE

SECTION C-C

COVER DETAIL

WELD

(TYP)

- 1. STEEL COVER SHALL HAVE EMBOSSED NON-SKID PATTERN
- 2. STEEL REINFORCING SHALL BE AS REGULARLY USED IN THE STANDARD PRODUCTS OF THE RESPECTIVE MANUFACTURER.
- PULL BOX COVERS SHALL BE MARKED AS DESCRIBED IN NOTE 5 ON STANDARD 3 DRAWING SL-4. MARKING SHALL BE APPLIED TO EACH COVER PRIOR TO GALVANIZING BY BEAD WELDING THE LETTERS ON THE COVERS. THE LETTERS SHALL BE RAISED AT LEAST 3/32 INCH.
- 4. BONDING JUMPER FOR COVER SHALL BE A MIN. OF 36" LONG. WHEN NON-METALLIC CONDUIT IS USED. THE BONDING JUMPER FOR THE COVER SHALL BE SPLICED TO THE BOND WIRE IN THE CONDUITS. WHEN THE USE OF METALLIC CONDUIT IS SPECIFIED ON THE PLANS OR IN THE SPECIAL PROVISIONS. THE BONDING JUMPER FOR THE COVER SHALL BE CONNECTED TO THE CONDUIT GROUND BUSHING, AND THE CONDUITS SHALL BE BONDED TOGETHER WITH GROUND BUSHINGS AND A BONDING JUMPER.
- CONDUITS SHALL ENTER AT BOTTOM OF PULL BOX AS SHOWN IN THE DRAWING. 5.
- 6. PULL BOXES FOR STREET LIGHTING, UPON COMPLETION OF BURN TEST, SHALL BE FILLED WITH CONTROLLED DENSITY BACKFILL PER CITY OF ELK GROVE CONSTRUCTION SPECIFICATIONS SECTION 50-15. A 5 MIL. PLASTIC SHEET SHALL COVER THE CONDUITS/WIRES PRIOR TO POURING OF BACKFILL, TO A DEPTH OF TWO (2) INCHES OVER THE CONDUITS.

-LIFT HOLE

**REINFORCED CONCRETE BOX** MIN.\*\* MIN. DEPTH BOX LO WO L W PULL BOX No. THICKNESS AND EXTENSION NO EXTENSION 3-1/2 1" 20" 14" 15-1/2"± 10"± 1" 22" 28" 18" 5 23"± 13-1/2"± 5A 1" 22" 21"± 10-1/2"± 15-3/4" 25-1/4" \*\* EXCLUDING CONDUIT WEB 1-3/8" -COVER DIAM. 2-3/4" x 2-3/4" x 1/2" STEEL PLATE WELD ALL FOUR EDGES OF EACH PLATE TO COVER COVER SHALL 2" x 2" x 1/4" 11/16' COVER ENTIRE STEEL PLATE DIAM. TOP OF BOX **BOLT HOLE DETAIL** BOLT HOLES SHALL MATCH STANDARD STUD BOLTS. SEE BOLT HOLE DETAIL. -LETTERS TO BE 1' MIN. TO 3" MAX. HIGH. Ŵ ≥ SEE NOTE 3. 1/2" DIAM. LIFT HOLE 1-3/4" x 1-3/4" x 3/16" ANGLE WELDED ALONG THE ENTIRE PERIMETER OF COVER EXCEPT AT RADIUS В CORNERS AND BOLT HOLES. 1-3/4" FLAT SURFACE 6" CONCRETE SHALL BE WELDED TO COVER WITH A CONTINUOUS ALL AROUND TOP VIEW -1/4" STEEL PLATE COVER, GALVANIZED AFTER WELD ON ALL FOUR EDGES. FABRICATION AND SET FLUSH WITH CONCRETE. CONCRETE SHALL BE FLUSH -1/2" GALV. NUT AND WITH SURROUNDING GRADE 12" MIN GALV. FLAT WASHER 26" MAX POUR IN FIELD BONDING JUMPER WELD ANGLES TO COVER (4 REQ.) PRECAST REINFORCED SEE COVER DETAIL. CONCRETE BOX THIS 1-3/4" FLAT SURFACE TO 2" MIN. BE AGAINST INSIDE EDGE OF 1/2" DIAM. GALVANIZED PULL BOX OPENING (TYP) THREADED ROD. 6 -2" MIN. 3" MIN. STEEL COVER ALL AROUND CLEAN CRUSHED ROCK -5 MIL. PLASTIC SHEET AND CONTROLLED PULL BOX SECTION B-B DENSITY BACKFILL (SEE NOTE 6). APPROVED BY: DATE: NOT TO SCALE CITY OF ELK GROVE - PUBLIC WORKS 09/22/2007 Indoci 10/24/2018 REVISION BY APPROVED DATE CITY ENGINEER DATE DRAWING NUMBER **TRAFFIC-RATED PULL BOX** SL - 5