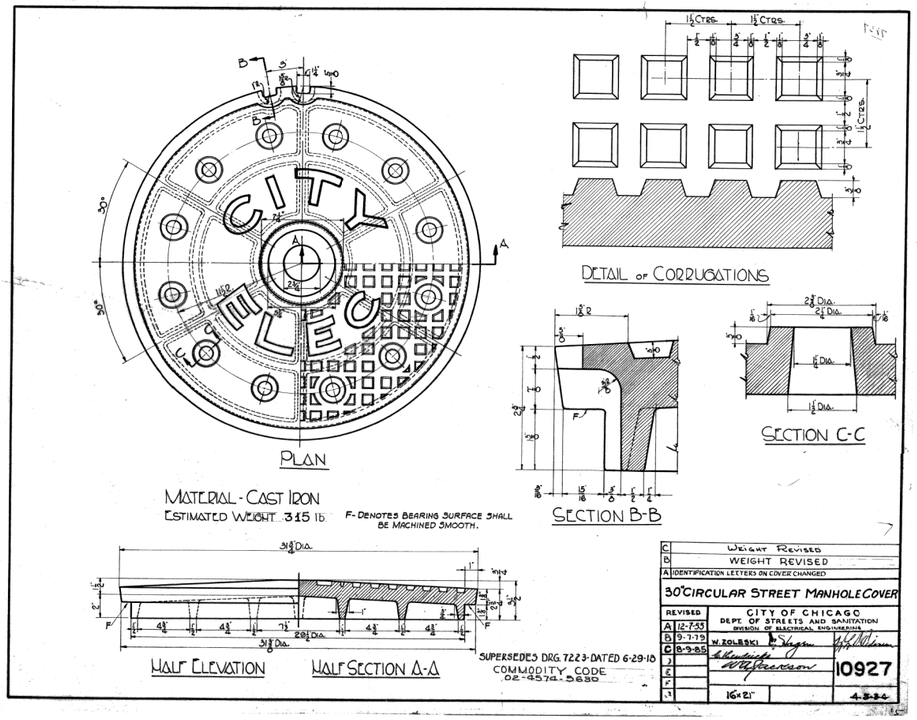
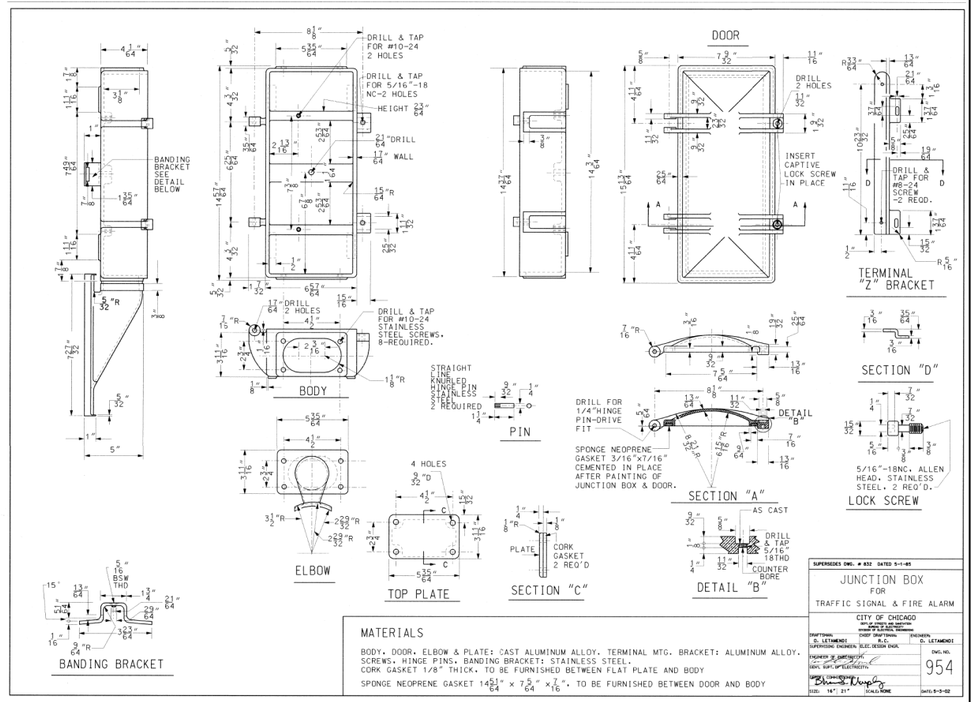
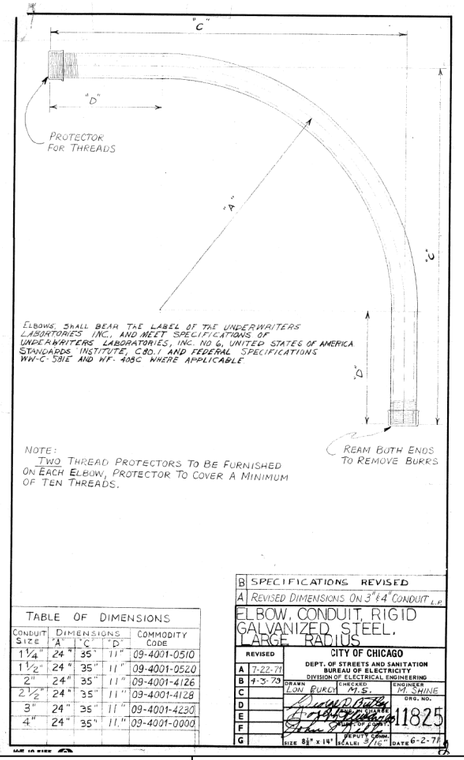
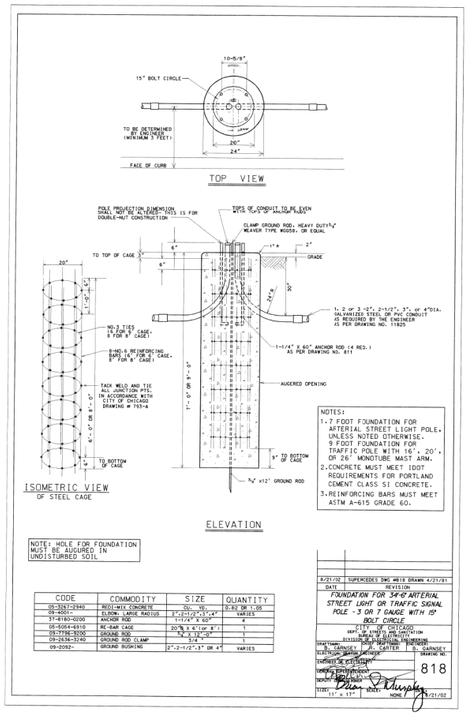
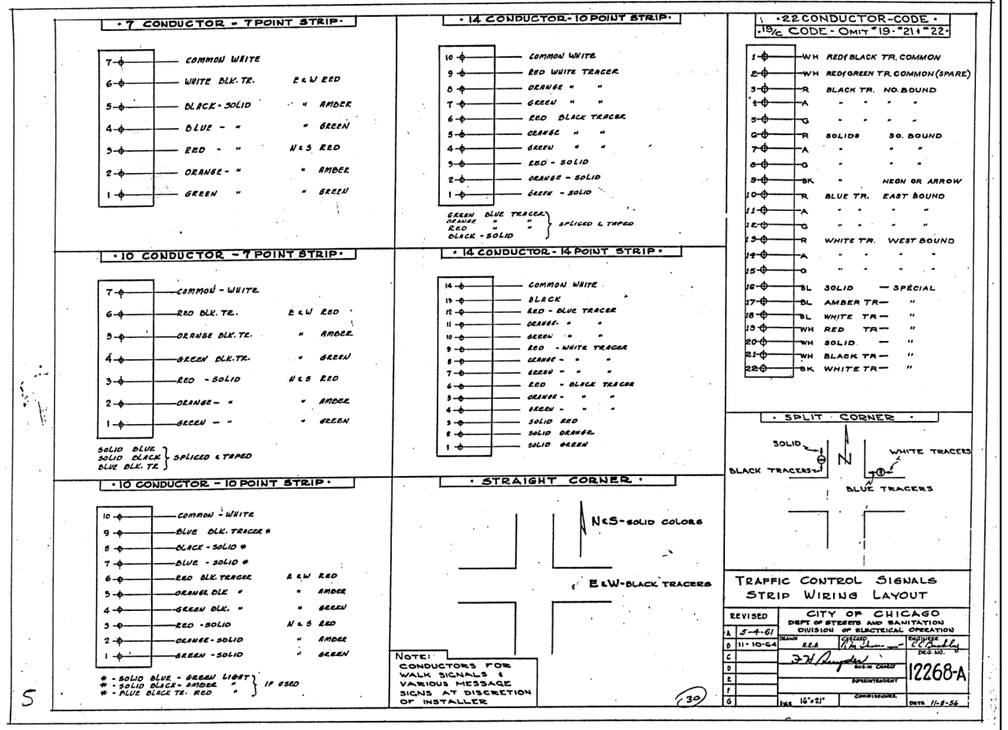

CITY OF CHICAGO
ELEC
PLAN
MATERIAL - CAST IRON
ESTIMATED WEIGHT 315 lb
F- DENOTES BEARING SURFACE SHALL BE MACHINED SMOOTH.
DETAIL OF CORRUGATIONS
SECTION B-B
SECTION C-C
HALF ELEVATION
HALF SECTION A-A
SUPERSEDES DRG. 7223 - DATED 6-29-18
COMMODITY CODE 02-4574-5630
C WEIGHT REVISED
B WEIGHT REVISED
A IDENTIFICATION LETTERS ON COVER CHANGED
30"CIRCULAR STREET MANHOLE COVER
REVISED
A 12-7-55
B 9-7-79
C 8-3-85
CITY OF CHICAGO
DEPT OF STREETS AND SANITATION
DIVISION OF ELECTRICAL ENGINEERING
W. ZOLESKI
10927
4-8-86


BANDING BRACKET SEE DETAIL BELOW
BANDING BRACKET
BODY
DRILL & TAP FOR #10-24 2 HOLES
DRILL & TAP FOR 5/16"-18 NC-2 HOLES
HEIGHT
DRILL
WALL
DRILL & TAP FOR #10-24 STAINLESS STEEL SCREWS. 8-REQUIRED.
DOOR
DRILL 2 HOLES
INSERT CAPTIVE LOCK SCREW IN PLACE
DRILL & TAP FOR #8-24 SCREW -2 REQD.
TERMINAL "Z" BRACKET
SECTION "D"
STRAIGHT LINE KNURLED HINGE PIN STAINLESS STEEL 2 REQUIRED
PIN
DRILL FOR 1/4"HINGE PIN-DRIVE FIT
SPONGE NEOPRENE GASKET 3/16"X7/16" CEMENTED IN PLACE AFTER PAINTING OF JUNCTION BOX & DOOR.
DETAIL "B"
SECTION "A"
5/16"-18NC. ALLEN HEAD. STAINLESS STEEL. 2 REQ'D.
LOCK SCREW
ELBOW
4 HOLES
TOP PLATE
PLATE
CORK GASKET 2 REQ'D
SECTION "C"
AS CAST
DRILL & TAP 5/16" -18THD COUNTER BORE
DETAIL "B"
SUPERSEDES DWG. # 852 DATED 5-1-85
JUNCTION BOX FOR TRAFFIC SIGNAL & FIRE ALARM
CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION DIVISION OF ELECTRICAL OPERATION
DRAFTSMAN: S. LETEMENDI
CHIEF INSPECTOR:
ENGINEER: D. LETEMENDI
SUPERVISING ENGINEER, ELEC. DESIGN ENGR.
ENGINEER OF CONSTRUCTION
DEPT. SUPT. OF ELECTRICITY
DWG. NO. 954
DEPUTY COMMISSIONER
SIZE: 16"x 21"
SCALE: NONE
DATE: 5-3-82
MATERIALS
BODY, DOOR, ELBOW & PLATE: CAST ALUMINUM ALLOY. TERMINAL MTG. BRACKET: ALUMINUM ALLOY. SCREWS, HINGE PINS, BANDING BRACKET: STAINLESS STEEL. CORK GASKET 1/8" THICK. TO BE FURNISHED BETWEEN FLAT PLATE AND BODY
SPONGE NEOPRENE GASKET 1 4 51/64" x 7/64" x 7/16". TO BE FURNISHED BETWEEN DOOR AND BODY


PROTECTOR FOR THREADS
ELBOWS SHALL BEAR THE LABEL OF THE UNDERWRITERS LABORATORIES, INC. AND MEET SPECIFICATIONS OF UNDERWRITERS LABORATORIES, INC. NO 6, UNITED STATES OF AMERICA STANDARDS INSTITUTE, C80.1 AND FEDERAL SPECIFICATIONS WW-C 581E AND WF. 406C WHERE APPLICABLE
NOTE: TWO THREAD PROTECTORS TO BE FURNISHED ON EACH ELBOW. PROTECTOR TO COVER A MINIMUM OF TEN THREADS.
REAM BOTH ENDS TO REMOVE BURRS
TABLE OF DIMENSIONS
CONDUIT SIZE | A | C | D | COMMODITY CODE
1¼" | 24" | 35" | 11" | 09-4001-0510
1½" | 24" | 35" | 11" | 09-4001-0520
2" | 24" | 35" | 11" | 09-4001-4126
2½" | 24" | 35" | 11" | 09-4001-4128
3" | 24" | 35" | 11" | 09-4001-4230
4" | 24" | 35" | 11" | 09-4001-0000
B SPECIFICATIONS REVISED
A REVISED DIMENSIONS ON 3"&4" CONDUIT L.P.
ELBOW, CONDUIT, RIGID GALVANIZED STEEL, LARGE RADIUS
CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING
DRAWN: TOM BURKE
CHECKED: M.S.
ENGINEER: M. SHINE
ORG. NO. 11825
DEPUTY COMMISSIONER
SIZE: 8½" x 14" SCALE: 3/16" DATE: 6-2-71


TOP VIEW
15" BOLT CIRCLE
TO BE DETERMINED BY FIELD CONDITIONS (MINIMUM 3'-9"FACE)
FACE OF CURB
ISOMETRIC VIEW OF STEEL CAGE
ELEVATION
TOP OF CONDUIT TO BE EVEN WITH OR BELOW GRADE
CLAMP GROUND ROD; HEAVY DUTY 5/8" WEAVER TYPE WOODS OR EQUAL
TO TOP OF CAGE
GRADE
AUGERED OPENING
TACK WELD AND TIE ALL JUNCTION PTS. IN ACCORDANCE WITH CITY OF CHICAGO DRAWING # 757-A
TO BOTTOM OF CAGE
¾" x 12' GROUND ROD
NOTES:
1. 7 FOOT FOUNDATION FOR ARTERIAL STREET LIGHT POLE, UNLESS NOTED OTHERWISE. 9 FOOT FOUNDATION FOR TRAFFIC POLE WITH 16', 20', OR 26' MONOTUBE MAST ARM.
2. CONCRETE MUST MEET IDOT REQUIREMENTS FOR PORTLAND CEMENT CLASS SI CONCRETE.
3. REINFORCING BARS MUST MEET ASTM A-615 GRADE 60.
NOTE: HOLE FOR FOUNDATION MUST BE AUGURED IN UNDISTURBED SOIL
CODE | COMMODITY | SIZE | QUANTITY
09-3267-2940 | REDI-MIX CONCRETE | CU. YD. | CU. YD. OR 1.05 TIMES
09-4001- | ELBOW - LARGE RADIUS | 3"-3½"-4" | VARIES
37-8180-0200 | ANCHOR ROD | 1-1/4" X 60" | 4
05-5064-4610 | RE-BAR CAGE | 20"W x 1'-0"D | 1
09-7796-3200 | GROUND ROD | ¾" X 10'-0" | 1
09-2636-3240 | GROUND ROD CLAMP | 5/8" | 1
09-2092- | GROUND BUSHING | 2"-2½"-3" OR 4" | VARIES
8/21/00 SUPERCEDES DWG #818 DRAWN 4/21/81
DATE | REVISION
FOUNDATION FOR 34'-0 ARTERIAL STREET LIGHT OR TRAFFIC SIGNAL POLE - 3 OR 7 GAGE WITH 15" BOLT CIRCLE
CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
DIVISION OF ELECTRICAL OPERATION
DRAFTSMAN: R. SANDEY | CHIEF INSPECTOR: J. CARTER | ENGINEER: D. GARDNEY
SUPERVISING ENGINEER, ELEC. DESIGN ENGR.
ENGINEER OF CONSTRUCTION
DEPT. SUPT. OF ELECTRICITY
DWG. NO. 818
DEPUTY COMMISSIONER
SIZE: 11" x 17"
SCALE: NONE
DATE: 5/21/02


• 7 CONDUCTOR - 7 POINT STRIP •
7 COMMON WHITE
6 WHITE BLK. TR. E & W RED
5 BLACK - SOLID " AMBER
4 BLUE - " " GREEN
3 RED - " N & S RED
2 ORANGE - " " AMBER
1 GREEN - " " GREEN
• 14 CONDUCTOR - 10 POINT STRIP •
10 COMMON WHITE
9 RED WHITE TRACER
8 ORANGE " "
7 GREEN " "
6 RED BLACK TRACER
5 ORANGE " "
4 GREEN " "
3 RED - SOLID
2 ORANGE - SOLID
1 GREEN - SOLID
GREEN BLUE TRACER, ORANGE " " RED " " BLACK - SOLID } SPLICED & TAPED
• 22 CONDUCTOR-CODE •
• 18/C CODE - OMIT "19" "21" "22" •
1 WH RED/BLACK TR. COMMON
2 WH RED/GREEN TR. COMMON (SPARE)
3 R BLACK TR. NO. BOUND
4 A " " " "
5 G " " " "
6 R SOLIDS SO. BOUND
7 A " " "
8 G " " "
9 BK - NEON OR ARROW
10 R BLUE TR. EAST BOUND
11 A " " "
12 G " " "
13 R WHITE TR. WEST BOUND
14 A " " "
15 G " " "
16 BL SOLID — SPECIAL
17 BL AMBER TR— "
18 BL WHITE TR— "
19 WH RED TR— "
20 WH SOLID — "
21 WH BLACK TR— "
22 BK WHITE TR— "
• 10 CONDUCTOR - 7 POINT STRIP •
7 COMMON - WHITE
6 RED BLK. TR. E & W RED
5 ORANGE BLK. TR. " AMBER
4 GREEN BLK. TR. " GREEN
3 RED - SOLID N & S RED
2 ORANGE - " " AMBER
1 GREEN - " " GREEN
SOLID BLUE, SOLID BLACK, BLUE BLK. TR. } SPLICED & TAPED
• 14 CONDUCTOR - 14 POINT STRIP •
14 COMMON WHITE
13 BLACK
12 RED - BLUE TRACER
11 ORANGE - " "
10 GREEN - " "
9 RED - WHITE TRACER
8 ORANGE - " "
7 GREEN - " "
6 RED - BLACK TRACER
5 ORANGE - " "
4 GREEN - " "
3 SOLID RED
2 SOLID ORANGE
1 SOLID GREEN
• SPLIT CORNER •
SOLID BLACK TRACERS
WHITE TRACERS
BLUE TRACERS
• 10 CONDUCTOR - 10 POINT STRIP •
10 COMMON - WHITE
9 BLUE BLK. TRACER #
8 BLACK - SOLID #
7 BLUE - SOLID #
6 RED BLK. TRACER E & W RED
5 ORANGE BLK. " " AMBER
4 GREEN BLK. " " GREEN
3 RED - SOLID N & S RED
2 ORANGE - SOLID " AMBER
1 GREEN - SOLID " GREEN
- SOLID BLUE - GREEN LIGHT
- SOLID BLACK - AMBER " } IF USED
- BLUE BLK TR. RED "
• STRAIGHT CORNER •
N&S - SOLID COLORS
E&W - BLACK TRACERS
NOTE: CONDUCTORS FOR WALK SIGNALS & VARIOUS MESSAGE SIGNS AT DISCRETION OF INSTALLER
TRAFFIC CONTROL SIGNALS STRIP WIRING LAYOUT
REVISED
A 5-4-61
B 11-10-64
CITY OF CHICAGO
DEPT OF STREETS AND SANITATION
DIVISION OF ELECTRICAL OPERATION
DRAWN: R.E.A.
CHECKED:
APPROVED:
DEPUTY COMMISSIONER
COMMISSIONER
SUPERSEDES DWG. 12268
12268-A
SIZE: 16"x21"
DATE: 11-8-56
30