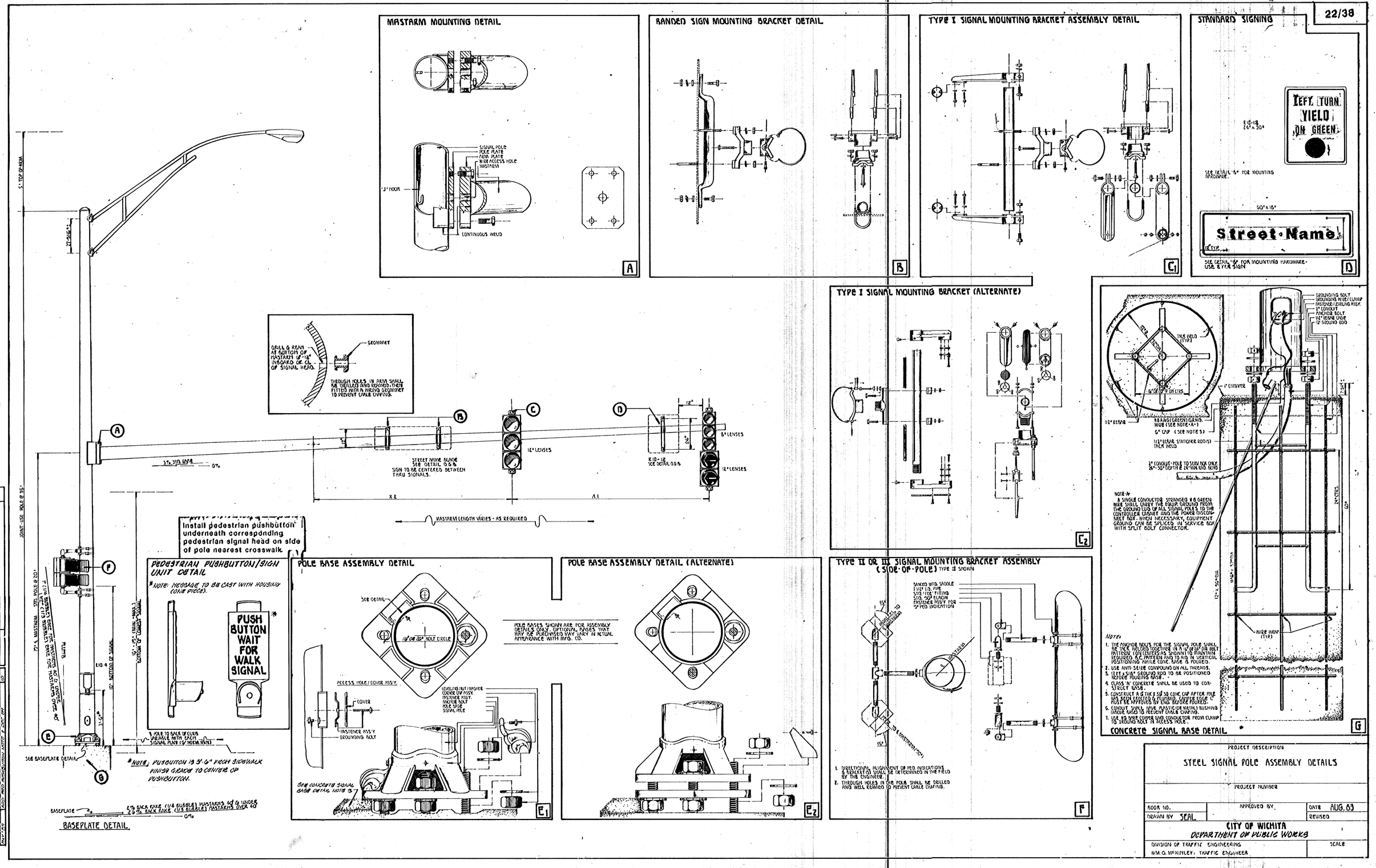
MASTARM MOUNTING DETAIL
SIGNAL POLE
POLE PLATE
ARM PLATE
WIRE ACCESS HOLE
WASHERS
"J" HOOK
CONTINUOUS WELD
A
BANDED SIGN MOUNTING BRACKET DETAIL
B
TYPE I SIGNAL MOUNTING BRACKET ASSEMBLY DETAIL
C1
STANDARD SIGNING
LEFT TURN
YIELD
ON GREEN
SEE DETAIL "5" FOR MOUNTING HARDWARE.
Street Name
SEE DETAIL "5" FOR MOUNTING HARDWARE.
USE 2 PER SIGN
D
TYPE I SIGNAL MOUNTING BRACKET (ALTERNATE)
C2
GROUNDING BOLT
GROUNDING WIRE/CLAMP
FASTENER/LEVELING ASSY.
2" CONDUIT
ANCHOR BOLT
1/2" REBAR CAGE
TO GROUND ROD
TACK WELD (TYP)
1" CLAMPER
1/2" REBAR
6" CAP (SEE NOTE 3)
1/2" REBAR, STATIONER ROD(S) TACK WELD
2" CONDUIT - POLE TO SERVICE ONLY 24"-30" DEPTH IN 24" MIN. RND. BORE
NOTE "A"
A SINGLE CONDUCTOR STRANDED #8 GREEN WIRE SHALL OVERLAY THE EQUIP. GROUND FROM THE GROUND LUG OF ALL SIGNAL POLES TO THE CONTROLLER CABINET AND THE POWER DISCONNECT BOX. WHEN NECESSARY, EQUIPMENT GROUND CAN BE SPLICED IN SERVICE BOX WITH SPLIT BOLT CONNECTOR.
24" CTRS.
PURE WRAP (TYP)
Notes:
1. THE ANCHOR BOLTS FOR THE SIGNAL POLE SHALL BE TACK WELDED TOGETHER IN A 12" OR 20" BOLT PATTERN CONCENTRIC AS SHOWN TO MAINTAIN REQUIRED A.C. PATTERN AND TO AID IN VERTICAL POSITIONING WHILE CONC. BASE IS POURED.
2. USE ANTI-SEIZE COMPOUND ON ALL THREADS.
3. 1 EA. 5/8" GROUND ROD TO BE POSITIONED BEFORE POURING BASE.
4. CLASS "A" CONCRETE SHALL BE USED TO CONSTRUCT BASE.
5. CONSTRUCT A 6" THK. X 1'-0" SQ. CONC. CAP AFTER POLE HAS BEEN ERECTED & PLUMBED. CAPS SHALL BE POURED BY ENG. BEFORE POURED.
6. CONDUIT SHALL HAVE PLASTIC (OR NAILS) BUSHING INSIDE BASE TO PREVENT CABLE CHAFING.
7. USE #8 WIRE COPPER GND. CONDUCTOR FROM CLAMP TO GROUND ROD IN ACCESS HOLE.
CONCRETE SIGNAL BASE DETAIL
G
DRILL & REAM AT BOTTOM OF MASTARM 6"-12" INBOARD OF C.L. OF SIGNAL HEAD.
GROMMET
THROUGH HOLES IN ARM SHALL BE DRILLED AND REAMED. THEN FITTED WITH A NEOPRENE GROMMET TO PREVENT CABLE CHAFING.
JOINT-USE POLE @ 95'
STD. MASTARM STD. POLE @ 20'
STREET NAME BLADE SEE DETAIL D & G SIGN TO BE CENTERED BETWEEN THRU SIGNALS.
12" LENSES
8" LENSES
R.10-12 SEE DETAIL D & G
MASTARM LENGTH VARIES - AS REQUIRED
Install pedestrian pushbutton underneath corresponding pedestrian signal head on side of pole nearest crosswalk.
PEDESTRIAN PUSHBUTTON/SIGN UNIT DETAIL
*NOTE: MESSAGE TO BE CAST WITH HOUSING (ONE PIECE).
PUSH BUTTON WAIT FOR WALK SIGNAL
*NOTE: PUSBUTTON IS 3'-6" FROM SIDEWALK FINISH GRADE TO CENTER OF PUSHBUTTON.
POLE BASE ASSEMBLY DETAIL
SEE DETAIL
16" OR 20" BOLT CIRCLE
ACCESS HOLE / COVER ASS'Y
COVER
FASTENER ASS'Y GROUNDING BOLT
LEVELING NUT/WASHER COVER CAP ASS'Y FASTENER ASS'Y ANCHOR BOLT POLE BASE SIGNAL POLE
SEE CONCRETE SIGNAL BASE DETAIL NOTE 3
E1
POLE BASES SHOWN ARE FOR ASSEMBLY DETAILS ONLY. OPTIONAL BASES THAT MAY BE PURCHASED MAY VARY IN ACTUAL APPERANCE WITH MFG. CO.
POLE BASE ASSEMBLY DETAIL (ALTERNATE)
E2
TYPE II OR III SIGNAL MOUNTING BRACKET ASSEMBLY (SIDE-OF-POLE) TYPE II SHOWN
BANDED WITH SADDLE OVER I.D. PIPE
STD. 90° ELBOW
FASTENER ASS'Y FOR 12" PED. INDICATION
55°
ADJUSTABLE TO 5° MAXIMUM
ADJUSTABLE TO 5° MAXIMUM (TYP)
1. DIRECTIONAL ALIGNMENT OF PED. INDICATIONS & BRACKET(S) SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
2. THROUGH HOLES IN THE POLE SHALL BE DRILLED AND WELL REAMED TO PREVENT CABLE CHAFING.
F
5'-TOP OF ARM
22'-0"±
ELEV. 4
3'-6"
1/2" CHAMFER
1/4" 1
SEE DETAIL "C" FOR MOUNTING HARDWARE
1/2" CHAMFER
1/2" CHAMFER
1/2" CHAMFER