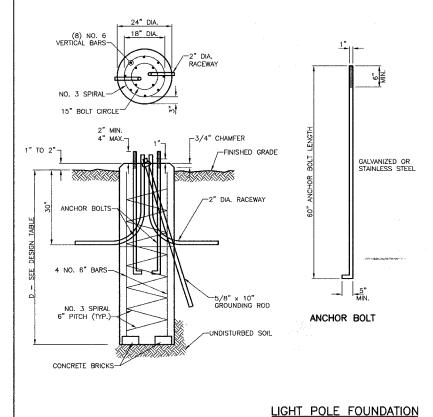


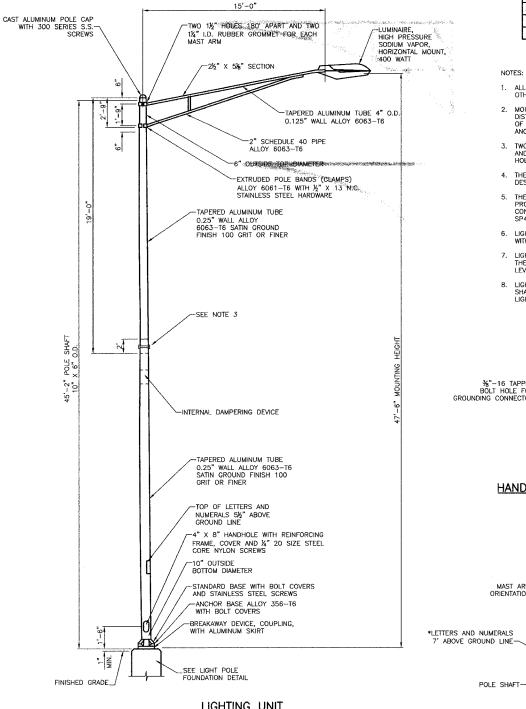
LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET



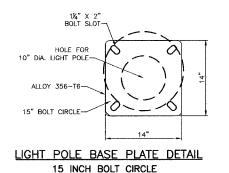
TYPE OF SOIL	SINGLE ARM D	SINGLE ARM VERT. BARS	SPIRAL
SOFT CLAY	13'-0"	8-#6X12'-6"	#3X122
MEDIUM CLAY	9'-6"	8-#6X9'-0"	#3X90'
STIFF CLAY	8'-0"	8-#6X7'-6"	#3x76'
LOOSE SAND	9'-0"	8-#6X8'-6"	#3X85'
MEDIUM SAND	8'-3"	8-#6X7'-9"	#3x78'
DENSE SAND	8'-0"	8~#6X7'-6"	#3X76'

NOTES:

- THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING THE EXCAVATION AND SELECT THE DEPTH OF THE FOUNDATION FROM THE DESIGN TABLE.
- EXCAVATION OF THE FOUNDATION SHALL BE MADE WITH A 24" DIAMETER AUGER.
- 3. THE CONTRACTOR SHALL USE A NO. 3 SPIRAL CAGE WITH A 6" PITCH, OR AT HIS OPTION, MAY SUBSTITUTE WITH NO. 3 HOOPS AT 12" ON CENTERS.
- EACH ANCHOR BOLT SHALL BE FURNISHED WITH 2 FLAT WASHERS AND 2 HEX NUTS. THEY SHALL BE EITHER GALVANIZED OR STAINLESS STEEL TO MATCH THE ANCHOR BOLTS.
- 5. RACEWAYS SHALL BE INSTALLED PARALLEL TO THE EDGE OF PAVEMENT.
- 6. ANCHOR BOLTS, RACEWAYS, AND REINFORCING STEEL SHALL BE SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
- 7. CONCRETE SHALL BE CLASS SI, WITH A MINIMUM STRENGTH OF 3500 PSI.
- 8. THE CONCRETE SHALL CURE FOR A MINIMUM OF 10 DAYS BEFORE ERECTING THE LIGHT POLE.
- 9. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE
- 10. ANCHOR BOLTS SHALL PROJECT A MINIMUM OF 2" AND A MAXIMUM OF 4" ABOVE THE TOP OF THE FOUNDATION.
- 11. RACEWAYS SHALL PROJECT 1" ABOVE THE TOP OF THE FOUNDATION
- ALL GROUND ROD CONNECTIONS SHALL BE MADE ABOVE GRADE, INSIDE THE POLE BASE, WITH EXOTHERMIC OR INERT GAS WELDS.



LIGHTING UNIT



POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES

SECTION

FED. ROAD DISTRICT ILLINOIS

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

2. MOUNTING HEIGHT IS DEFINED AS THE DISTANCE FROM THE CENTERLINE OF THE TENON TO THE BOTTOM OF THE

TWO PIECE SHAFT WILL BE MATCHED AND MARKED, FIELD DRILLING OF THE HOLES WILL NOT BE ALLOWED.

4. THE LIGHT POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.

5. THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR. BURNDY K2C23, T&B

SP4DL OR APPROVED EQUAL.

LIGHT POLES WILL NOT BE INSTALLED WITHOUT MAST ARMS AND LUMINAIRES.

LIGHT POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.

8. LIGHTING UNIT IDENTIFICATION NUMBERS SHALL BE INSTALLED BEFORE THE LIGHTING UNIT IS ENERGIZED

%"-16 TAPPED BOLT HOLE FOR

MAST ARM ORIENTATION-

POLE SHAFT-

HANDHOLE DETAIL

TRAFFIC FLOW

---POLE SHAFT

HANDHOLE

HANDHOI F

COUNTY TOTAL SHEET NO

FED. AID PROJECT

345 00-00086-00-TL DUPAGE 58 42

VILLAGE OF ADDISON LIGHTING DETAIL

LAKE STREET/SWIFT ROAD

NOT TO SCALE

DATE: 4/01/05 DESIGNED BY: S.J.C. CHECKED BY: D.N.M

CIVILTECH