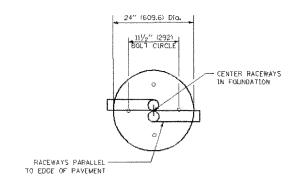
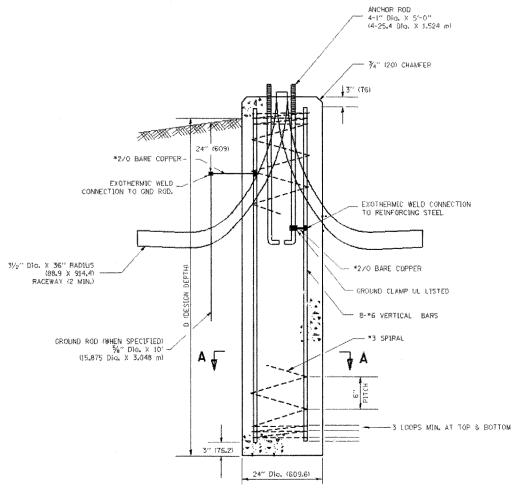
LIGHT POLE FOUNDATION DEPTH TABLE 30 FT. (9.144M) TO 35 FT. (10.668M) MOUNTING HEIGHT

SOIL CONDITIONS	DESIGN DEFTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLÁY	11'-0"	12'-8"
Nu = 0,375 TON/SO, FT.	(3.35)	(3.85M)
WEDILM CLÂY	9′-0′′	141-10"
Du = 0.75 TDN/SOJFT	(2.74M)	(4,52M)
STIFF CLÁY	7°-6"	8'-7"
Du = 1.50 TON/SO. FT.	(2.29M)	(2.61M)
LODSE SÁND	9'-6''	10'-7"
Ø = 34*	(2.90M)	(3.22M)
WEDJUM SÅND	9′-0"	9'-10"
Ø = 37.5"	(2,74M)	(2,99M)
DENSE SÁND	8'-3''	9'-7"
Ø = 40*	(2-5)MD	(2,91M)



TOP VIEW



ANCHOR BOLT DETAIL

5" (127.0)

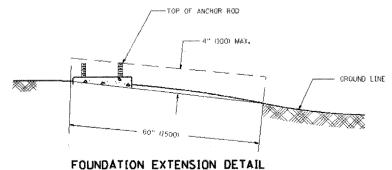
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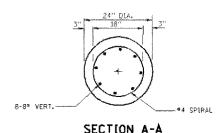
THREADED

5% T. X 4" DIA-WASHER, TACK WELDED

6" (152.4)







JUM ENGINEERING RESERVES PROPRICTARY MIGHTS, INCLUDING COPYRIGHTS, O THIS EMANNIO AND THE CATA SHOWN THEREIN. SAID PRAVING AND/OR ATA ARE THE ENCLUDING PROPERTY OF NAME ENGINEERING AND SHALL NOT E USED OR REPORTED TO A

NOTES

- 1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- 2. THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IN PLACED.
- 3. THE FOUNDATION SHALL NOT PROTRIDE MORE THAN 4 IN. (LOOMM) ABOVE THE FINISHED CRADE WITHIN A 60 IN. (LSM) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED. IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- 4. THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE. THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION, FOUNDATION TOP SHALL BE CHAMPERED %-IN. (20MAN).
- 6. THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13
- 7. THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE PARAMETER.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS COMFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UMIG MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1138.
- 10. THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 MM) WITH A MINIMUM OF 3 INCHES (75 MM) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- 11. ANCHOR RODS SHALL PROJECT 27/4" (69.9MM) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- 12. THE CONTRACTOR SHALL USE A *3 SPIRAL AT 6" U52.4MM) PUTCH OR MAY SUBSTITUTE *3 THES AT 12" (304.8MM) G.C. WITH THE APPROVAL OF THE ENGINEER.
- 13. THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.

REVISIONS

GEWALT HAMILTON

14. THE RACEWAYS SHALL PROJECT I" (25.4MM) ABOVE THE TOP OF THE FOUNDATION.

IDOT PAY ITEM #83600200

ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS & NOTES

BUSINESS DISTRICT IMPROVEMENTS TOUHY AVE. AND CRAWFORD AVE. SECTION # 06 - 00048 - 00 -RS

> DRAWN B.: OFF S. DESIGNED BY: SW -06 CHECKED BY: SD