

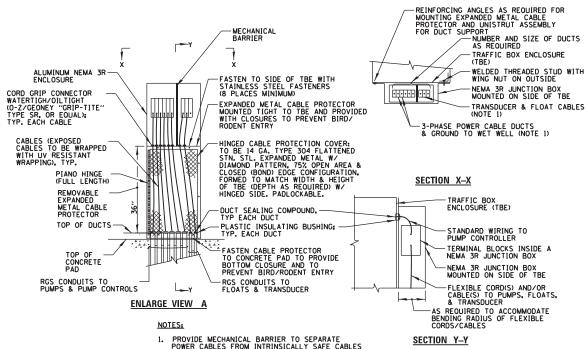
TYPICAL CONTROL LAYOUT

264W LED SHOEBOX TYPE LUMINAIRE WITH TYPE 5 OPTICS, AND A FACTORY POWDER COAT BLACK FINISH (BETA LED MODEL NO. ARE-EDG-5M-AA-24-D-UL-BK-350-P) PROPOSED 4" SOUARE STRAIGHT ALUMINUM LIGHT POLE WITH A 0.188" WALL THICKNESS, VIBRATION DAMPER AND A FACTORY POWDER COAT BLACK FINISH HANDHOLE -PROPOSED HELIX FOUNDATION (SEE DETAIL THIS SHEET) -FINISHED GRADE

PROPOSED LED SITE LIGHT POLE

REFER TO FLEXIBLE CORD/CABLE PROTECTOR DETAIL - VANDAL PROOF ALARM LIGHT ALUMINUM FABRICATED. NEMA 3R ENCLOSURE WITH SLOPED TOP AND SHIELD TRAFFIC BOX ENCLOSURE
ARRANGED FOR MOUNTING
ON REINFORCED CONCRETE
EQUIPMENT PAD -NEMA 3R JUNCTION BOX WITH TERMINAL BLOCK LOW PROFILE WEATHERPROOF ANTENNA (ANTENNA PLUS COMPANY MODEL NO. AP8500-SI OR APPROVED GENERATOR PLUG-IN RECEPTACLE 19" NOTE 2 14 William 22" -12" EQUIPMENT PAD "5 REBAR 12" O.C. BOTH WAYS, T&B 6" ALL -AROUND, TYP. -6" COMPACTED GRANULAR FILL -UNDISTURBED SEE CONDUIT & GROUNDING SEE CONDUIT & GROUNDING PLAN 1. ALL CONDUIT TO BE BOTTOM FED.
2. MAX. ANTICIPATED. TRAFFIC BOX TO BE AS COMPACT AS POSSIBLE, CONTRACTOR TO COORDINATE. OVERALL SIZE AS REQUIRED.
3. SEE SITE PLAN FOR ORIENTATION.
4. SEE CONDUIT & GROUNDING PLAN FOR CONDUIT INFORMATION.

TRAFFIC BOX ENCLOSURE (TBE)



FLEXIBLE CABLE PROTECTOR DETAIL

NOTES:

85%" DIA.

HELIX FOUNDATION

-12" MIN. DIA.

CONTRACTOR TO COORDINATE BOLT CIRCLE

-¾"×4" STUDS W/ WASHERS AND NUTS

- WRAP 24" WIDE FILTER FABRIC TWICE AROUND SHAFT PRIOR TO BACK FILLING TO PREVENT SOIL SETTLING. USE MIRAFI "FILTERWEAVE 500" OR EQUAL

ALL RADIAL SECTIONS NORMAL TO AXIS ±3 DEG

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HELIX SIDE VIEW

14" DIA. HELIX

- NOTES:

 1. FINISH: HOT DIP GALVANIZED PER AASHTO MIII (LATEST REVISION).

 2. BASEPLATE TO BE PERPENDICULAR TO SHAFT AXIS (± 1 DEG) AND HOLE CENTERLINE CONCENTRIC (± ,188) TO SHAFT AXIS.

 3. STENCIL MIN ½ IN. LETTERS MANUFACTURER'S NUMBER AFTER GALVANIZING.

 4. PILOT POINT AND SHAFT AXES TO BE CONCENTRIC (± 125 FIM) AND IN LINE (± 2 DEG).

 5. FLAME CUT SLOT PERPENDICULAR TO THE BASEPLATE.

 6. PREHEAT, TUMBLEBLAST, HANDGRIND, AND CLEAN BASEPLATE,

 HELIX, AND PILOT POINT ON ALL WELDED AREAS.

 7. FLAMECUT IRREGULARITIES PERMISSIBLE: (1) VALLEYS NOT TO EXCEED ½ IN, BELOW NOMINAL SURFACE LEVEL, (2) PEAKS OR POSITIVE IRREGULARITIES NOT TO EXCEED ½ IN, ABOVE NOMINAL SURFACES.

 8. MANUFACTURER TO HAVE IN EFFECT INDUSTRY RECOGNIZED WRITTEN OUALITY CONTROL FOR ALL MATERIALS AND MANUFACTURING PROCESSES.

 9. ALL MATERIAL IS TO BE NEW, UNUSED AND MILL TRACEABLE MEETING THE FOLLOWING SPECIFICATIONS:

BASEPLATE: ASTM A36-(LATEST REVISION) STRUCTURAL (CONFORM TO AASHTO TECH. BUL. #270)

ASTM A252 (LATEST REVISION) GRADE 2. STEEL PIPE PILES, ALT. MATERIAL: ASTM A53 (LATEST REVISION) TYPE E OR S, GRADE B, STEEL PIPE OR ASTM A500 (LATEST REVISION) GRADE B, STRUCTURAL STEEL TUBING. SHAFT:

ASTM A635 (LATEST REVISION) 3/4" THICK HOT ROLLED STEEL PLATE OR COIL. HELIX:

PILOT POINT: ASTM A575 (LATEST REVISION) 11/4" DIA. HOT ROLLED STEEL BAR.

1" DIA. HOT DIP GALVANIZED STUDS IN ACCORDANCE WITH AASHTO M314 OR ASTM F1554.

10. BASEPLATE IS PERMANENTLY STAMPED WITH MANUFACTURER'S IDENTIFICATION "ABC" IN 1/2" LETTERS AND DATE CODE IN 1/4" LETTERS.

LED SITE LIGHT POLE **METAL FOUNDATION DETAIL**

CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Safe 900 Roserrod, Illinda 60018 (er) 503-504 (e	USER NAME = pmagnell1	DESIGNED JPC	REVISED -	27477 07 11111010	PROPOSED PUMP STATION		F.A. RTE.	SECTION	COUNTY	TOTAL SHEE SHEETS NO	ĒT).	
		DRAWN KWB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS (4 OF 4)			330	0105 WRS&HB	соок	605 200	υ
	PLOT SCALE = 20'	CHECKED JPC	REVISED -							CONTRACT	NO. 60G3	
	PLOT DATE = 10/17/2012	DATE - 10/17/2012	REVISED -		SCALE:	SHEET NO. OF SHEETS STA.	TO STA.	ILLINOIS FED. AID PROJECT				

N.T.S.