ELEVATION, FILL SECTION, 6:1 OR 5:1 SLOPE, ROUND FOUNDATION

20' Declaimable ④

Edge of travel lane

Useable shoulder

Plan slope

Shoulder break

Paved shoulder width varies

36" dia., non-metal corrugated pipe.

10'-0 declaimable ④

1'-0

Notes:
③ ④ Transformer base door shall face the right-of-way line.

ELEVATION, FILL SECTION, 6:1 OR 5:1 SLOPE, SQUARE FOUNDATION

20' Declaimable ④

Edge of travel lane

Useable shoulder

Plan slope

Shoulder break

Paved shoulder width varies

42" dia., non-metal corrugated pipe.

1'-0 declaimable ④

1'-0

Notes:
③ ④ Use which ever gives the greatest offset distance from the edge of the travel lane.
ELEVATION 4:1 OR 3:1 SLOPE

Notes:
1. Transformer base door shall face the right-of-way line.
3. Use whichever gives the greatest offset distance from the edge of the travel lane.

Plan foreslope
4:1  3:1 Desirable
3:1  2.5:1 Desirable

LIGHT STANDARD SQUARE
FDN. TMT. FILL SECTION
FORESLOPE 4:1 OR 3:1
SEPTEMBER 2006

INDIANA DEPARTMENT OF TRANSPORTATION
ELEVATION, CUT SECTION, ROUND FOUNDATION

Notes:
2. Transformer base door shall face roadway.
3. Foundation shall not be installed in ditch flow line.

ELEVATION, CUT SECTION, SQUARE FOUNDATION
36 dia. non-metal corrugated pipe.

Limits of sod strip

1'-4 (typ.)

PLAN, ROUND FOUNDATION

42" dia. non-metal corrugated pipe

Limits of sod strip

2'-6"

PLAN, SQUARE FOUNDATION

Flush with foreslope or backslope as applicable

non-metal corrugated pipe.

DRAINAGE NOTCH

Notes:
1. Drainage notch shall follow the slope of the ground.
**GENERAL NOTES**

1. Top of lighting foundation shell be flush with foreslope at this point.
2. Base of chimney at top of lighting foundation shall be flush with foreslope at this point.
4. Use exposed end of pipe shall have drainage notch as shown on Standard Drawing E 801-LTPD-04A.
5. Arrows shall be engraved on top of foundation to indicate direction of cable duct run.

**LIGHT FOUNDATION**

**SQUARE FOUNDATION DETAIL**

- 3-4" lines with 3" lap
- 2-4" x 6-8" copperweld ground rod (in each)
- 3 @ 1-2 = 2-0

**ROUND FOUNDATION DETAIL**

- 401b = 3-10
- 401b
- 2-4" x 6-8" copperweld ground rod (in each)
- 3 (4")

**INFORMATION**

- September 2002
- Standard Drawing No. E 801-LTPD-00
- Indiana Department of Transportation

**INFORMATION**

- No. 750
- State of Indiana
- No. 9750
- Standard Drawing No. E 801-LTPD-00

**INFORMATION**

- Approved by Richard L. VeChim
- Approved by Richard T. Shear
1. The 6 ft approach to foundation shall be trenched.

2. Bottom of trench shall be graded so as to provided a smooth, uniform ramp to the entry sleeve of the foundation.

3. Each cable-duct shall have its own entry sleeve. There shall be at least two entry sleeves per footing.

4. Coils to be of #6 AWG copper approximately 15 ft long.

5. Place felt between concrete and coil to prevent bonding.

6. Coil method of grounding may be used with precast foundation.
NOTES:
1. An arrow or arrows shall be imprinted onto the top of the foundation to indicate the direction of the cable-duct run.

2. See Standard Drawing E807-LTFR-02 for details.

DETAIL A

INDIANA DEPARTMENT OF TRANSPORTATION

HIGH MAST TOWER FOUNDATION

SEPTEMBER 2010

STANDARD DRAWING NO. E 807-LTFD-07

/s/ Richard L. VanCleave 09/01/10
DESIGN STANDARDS ENGINEER DATE

/s/ Mark A. Miller 09/01/10
CHIEF HIGHWAY ENGINEER DATE
Notes:
1. The 2" galvanized steel conduit and junction box can be installed in the median shoulder. The junction box must be in front of the light foundation.
2. Field cut reinforcing bars to accommodate junction box.