1. All material and workmanship shall be in accordance with the Standard Specifications.

2. The maintenance pad and retaining walls have been designed to meet the requirements of the AASHTO LRFD Bridge Design Specifications, 7th Edition, 2014.

3. Concrete for 12" (in) thick maintenance pad shall be class 4000. Concrete for 4" (in) thick maintenance pad shall be class 3000.

4. Height of wall varies to match slope of finished grade. Contractor shall field-determine wall height at each maintenance pad location and obtain approval from the Engineer prior to proceeding with construction.

5. All exposed corners shall have 3/4" (in) chamfers.

6. For grounding details not shown, see Standard Plan J-60.05.

7. Where concrete cover (clear) thickness is not shown, the clear distance from the face of the concrete to the face of any reinforcing steel shall be as follows: 3" (in) for bottom of maintenance pad, 2" (in) for top of maintenance pad, and 1 1/2" (in) at all other locations.

8. Falsework shall be carefully released to prevent impact or undue stress on the structure.

9. See Contract Plans for number, type, and location of conduits and conductors.

10. Contractor shall orient the maintenance pad to align with the direction of natural grade as shown. Engineer's approval of maintenance pad slope and orientation required prior to proceeding with construction.

11. Use 4" (in) Maintenance Pad on level ground or slopes not exceeding 10H : 1V. Use 12" (in) Maintenance Pad on slopes steeper than 10H : 1V.

Slopes steeper than 2H : 1V shall require a special design.

NOTE: CONCRETE FOR 12" (IN) MAINTENANCE PAD SHALL BE CLASS 4000.
ROUTE CONDUCTOR FOR SCREEN GUARD DETAILS

- **Nut Holder** - Made from 3/8" (IN) Stainless to Ground Lug
  - See Standard Plan J-29.10

- **Commercial Grade Hot Rolled** 1" Min. Steel Square Nut
  - 1/8" Milled Steel (ASTM A36)

- **1 1/2" Max. Welded Wire Concrete Fabric (WWF)**
- **Maintenance**
  - (5) Stainless Steel Pad Washer (Typ.)

- **Finished Grade...J...J Grade**

- **High Mast Pole**
  - **Full Circle**
  - **Tinced Copper** 2 1/2" Min.

- **Route (Continuous) Non-Pole Wall**
  - **Connector** 3" Max.

- **Insulated #2/0 AWG Conductor**
  - To Ground 2' - 0" Below Plan View

- **Lug in High Mast Pole**
- **Inter-Grade**

- **Exothermal Weld**
- **Conduit Grounding Rod**
- **Insulated 3/4" (IN) Chamfer (Typ.)**

- **Grounding Rod (Typ.) - 2" CLR. (Typ.) 0**
- **#4 - Extend 8" (IN) Min. Into Maintenance Pad**

- **Concrete Maintenance Pad**
  - **Conductive Conduit**
  - **Concrete**

- **Drilled Shaft**
- **Exothermal Weld (Typ.)**

- **Overhead View**

- **Exothermal Weld**

- **Conductive Conduit**
  - **Exothermal Weld**

- **Conductive Conduit**

- **Concrete**

- **Drilled Shaft**

- **Exothermal Weld (Typ.)**

- **Conductive Conduit**

- **Concrete Maintenance Pad**

- **Retaining Wall**

- **High Mast Pole Wall**

- **HIGH MAST LUMINARIE MAINTENANCE PAD**

- **Standard Plan J-30.10-01**

- **Sheet 2 of 2 Sheets**

- **Approve for Publication**

- **Aug 26, 2022**