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## ORIGINATION FORM

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Proposed Revisions to a Standard Plans Index  
(Please provide all information — Incomplete forms will be returned)

**Contact Information:**

Date: July 5, 2023  
Originator: Rick Jenkins  
Phone: (850) 414-4355  
Email: Rick.Jenkins@dot.state.fl.us

**Standard Plans:**

Index Number: 676-010  
Sheet Number (s): 4 of 4  
Index Title: Cabinet Installation Details

**Summary of the changes:**

- Sheets 1-3: Renumbered.
  
- Sheet 1: Deleted Existing Controller Cabinet elevation
  
- Sheet 2: Updated Metal Pole cabinet to ITS cabinet
  
- Sheet 4: New Sheet for Ground Mounted Controller Cabinet Riser

**Commentary / Background:**

This request came from the Districts and was coordinated with the TERL and Structures Design. Some Districts are installing these and the addition to the Standard Plans Index will allow use without a special detail in every plan set. This detail is for a concrete riser only. An associated change is being made to Specification 676 regarding this revision.

**Other Affected Offices / Documents: (Provide name of person contacted)**

- | Yes                                 | No                                  |   |
|-------------------------------------|-------------------------------------|---|
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Other Standard Plans –                      |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | FDOT Design Manual –                        |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Basis of Estimates Manual – Ryan Gray       |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Standard Specifications – Daniel Strickland |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Approved Product List –                     |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Construction –                              |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Maintenance –                               |

**Origination Package Includes:** (Submit package to Rick Jenkins)

- | Yes                                 | N/A                      |   |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Redline Mark-ups                                    |
| <input type="checkbox"/>            | <input type="checkbox"/> | Revised or Proposed Standard Plan Instruction (SPI) |
| <input type="checkbox"/>            | <input type="checkbox"/> | Other Support Documents                             |

**Implementation:**

- Design Bulletin (Interim)
- DCE Memo
- Program Mgmt. Bulletin
- FY-Standard Plans (Next Release)

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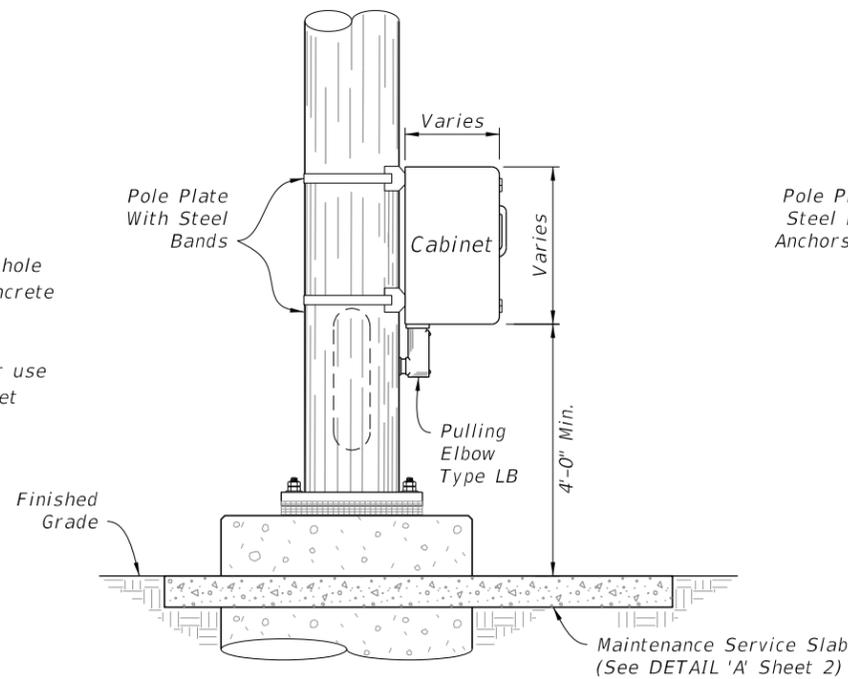
Contact the Roadway Design Office for assistance in completing this form

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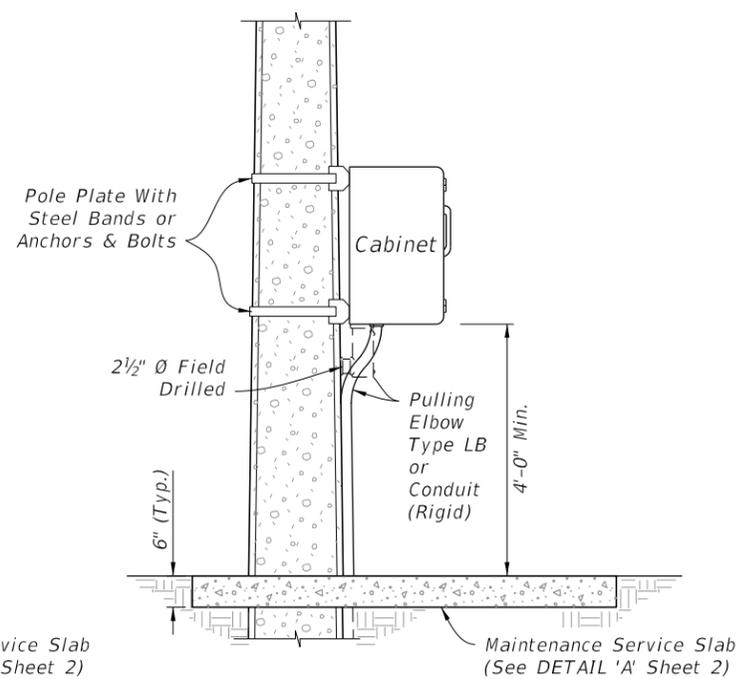
Email to: Rick Jenkins [rick.jenkins@dot.state.fl.us](mailto:rick.jenkins@dot.state.fl.us) and Darren Martin [darren.martin@dot.state.fl.us](mailto:darren.martin@dot.state.fl.us)

**NOTES:**

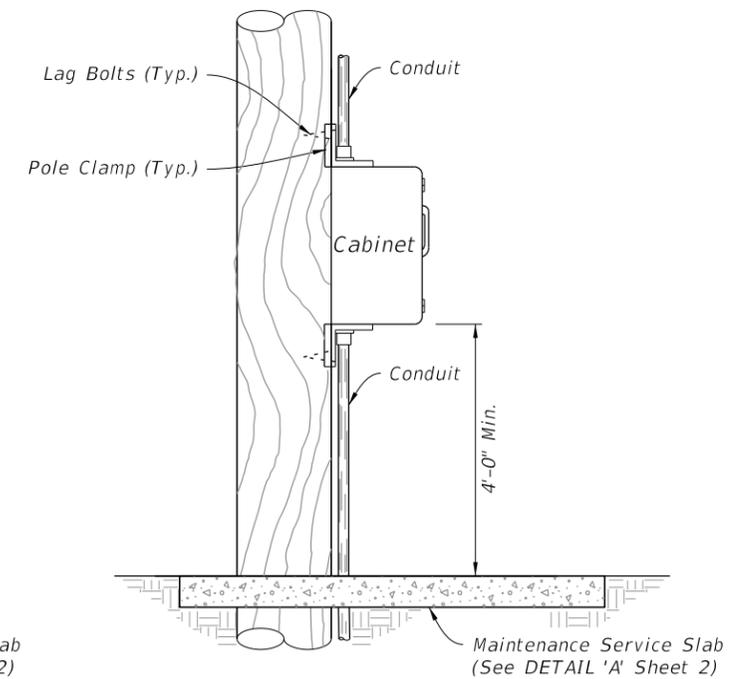
1. If cabinet mounting requires relocation of hole in concrete pole, fill existing hole with concrete or cover with a noncorrosive cover plate.
2. Liquidtight flexible conduit is approved for use from the electrical disconnect to the cabinet when both are installed on the same pole.



**SIDE ELEVATION  
METAL POLE**



**SIDE ELEVATION  
CONCRETE POLE**

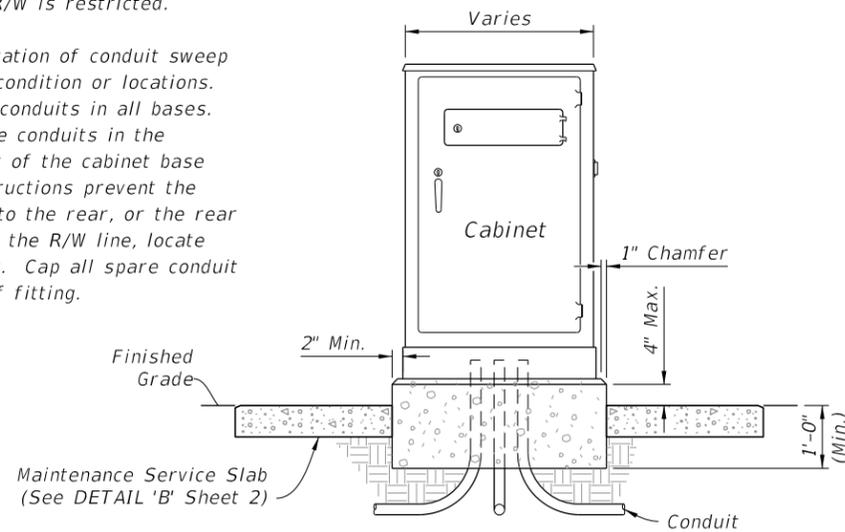


**SIDE ELEVATION  
WOOD POLE**

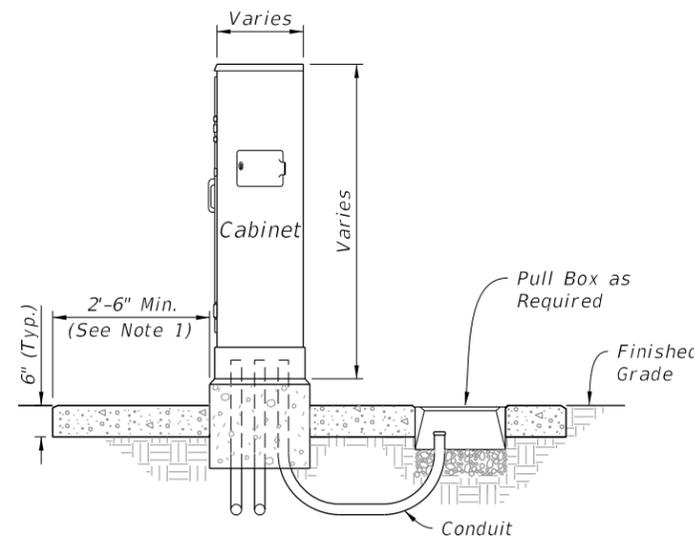
**POLE MOUNTED CONTROLLER CABINET**

**NOTES:**

1. Maintenance Service Slab: Use Class NS concrete and slope 1/4" to 1" for drainage. Not required in sidewalk, pavement areas, or where R/W is restricted.
2. The number, size and orientation of conduit sweep will vary according to site condition or locations. Provided two spare 2" PVC conduits in all bases. Place the exits of the spare conduits in the direction of the center rear of the cabinet base and into a pull box. If obstructions prevent the spare conduit from exiting to the rear, or the rear of the cabinet is located on the R/W line, locate as directed by the Engineer. Cap all spare conduit sweeps with a weatherproof fitting.



**FRONT ELEVATION**



**SIDE ELEVATION**

**NEW CONTROLLER CABINET**

**DELETED**

**NOTES:**

1. Retrofit existing controller cabinets in accordance with Specification 678.
2. Retrofit installation procedure for signalized intersection controller cabinet are located at: [http://www.fdot.gov/Traffic/Doc\\_Library.shtm](http://www.fdot.gov/Traffic/Doc_Library.shtm) Generator Powered for Signalized Intersection

**FRONT ELEVATION**

**EXISTING CONTROLLER CABINET**

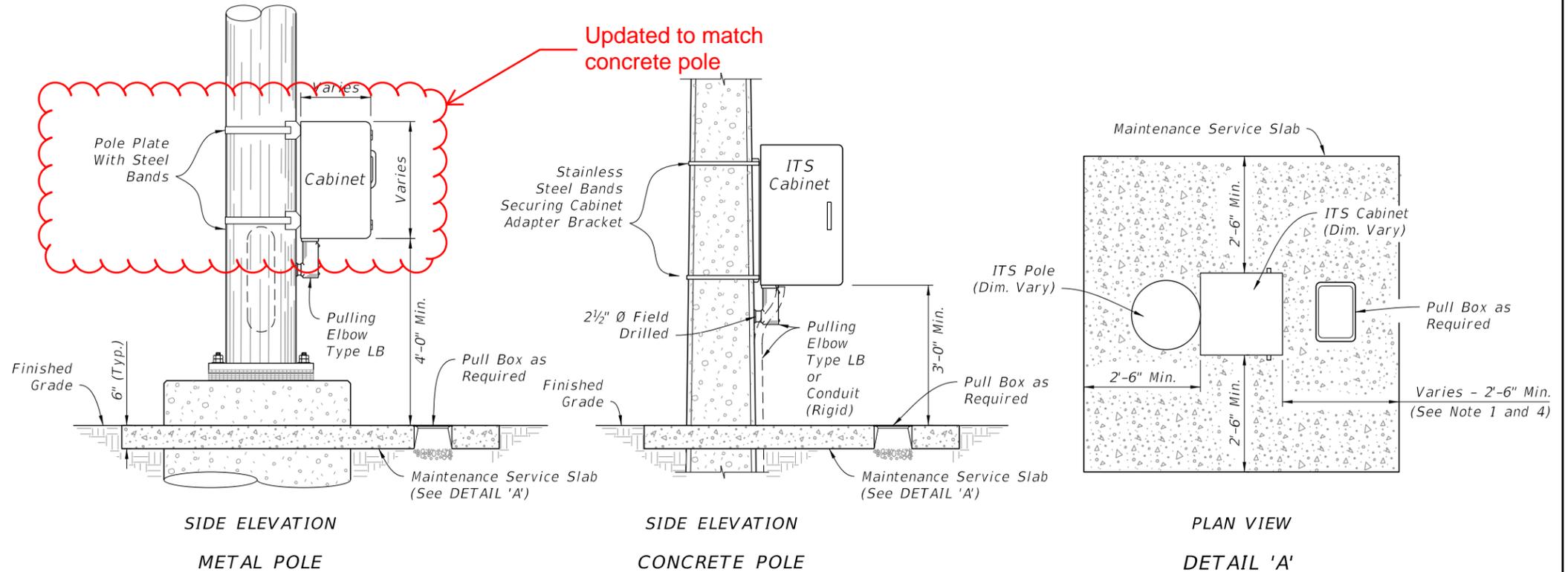
**GROUND MOUNTED CONTROLLER CABINET**

10/6/2022 2:34:09 PM

LAST REVISION <b>11/01/22</b>	DESCRIPTION: <b>11/01/23</b>	<b>FY 2023-24 STANDARD PLANS</b>	<b>CABINET INSTALLATION DETAILS</b>	INDEX <b>676-010</b>	SHEET <b>1 of 3</b>
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**NOTES:**

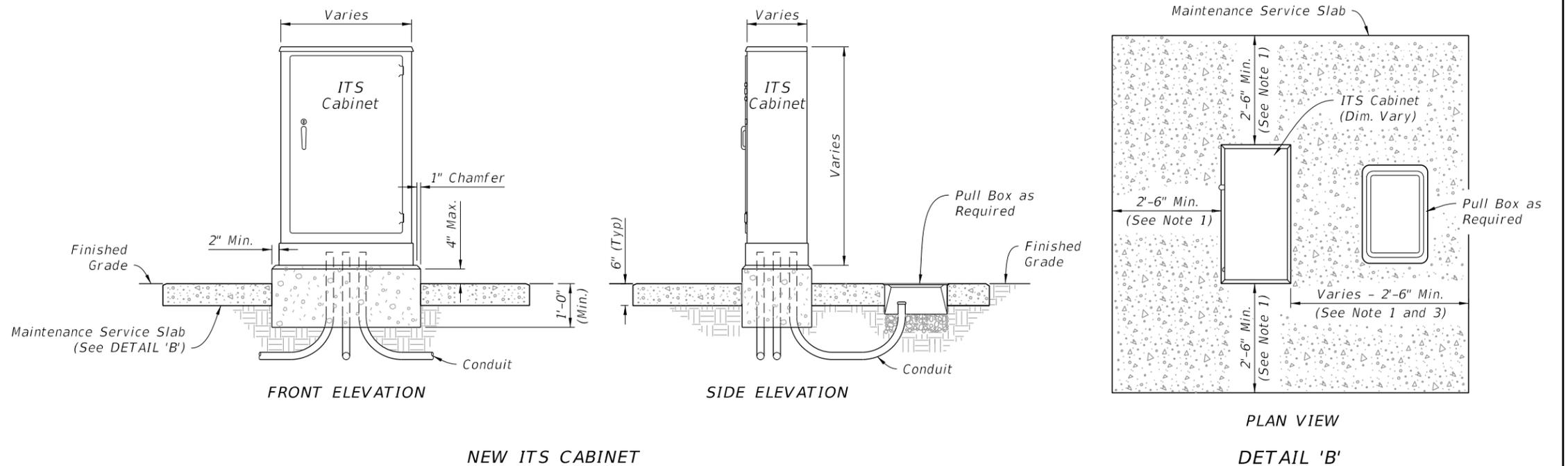
1. Maintenance Service Slab: Use Class NS concrete and slope 1/4" to 1" for drainage. Not required in sidewalk, pavement areas, or where R/W is restricted.
2. If cabinet mounting requires relocation of hole in concrete pole, fill existing hole with concrete or cover with a noncorrosive cover plate.
3. Liquidtight flexible conduit is approved for use from the electrical disconnect to the cabinet when both are installed on the same pole.
4. Where a pull box is to be placed within the maintenance service slab, the slab width must be extended to provide for the required pull box concrete apron as detailed in Index 635-001.
5. Coordinate placement of maintenance service slab with proposed final grade. Grade and compact side slopes around the maintenance service slab to provide a stable and level working area and tie into the proposed embankment.



**POLE MOUNTED INTELLIGENT TRANSPORTATION SYSTEMS (ITS) CABINET**

**NOTES:**

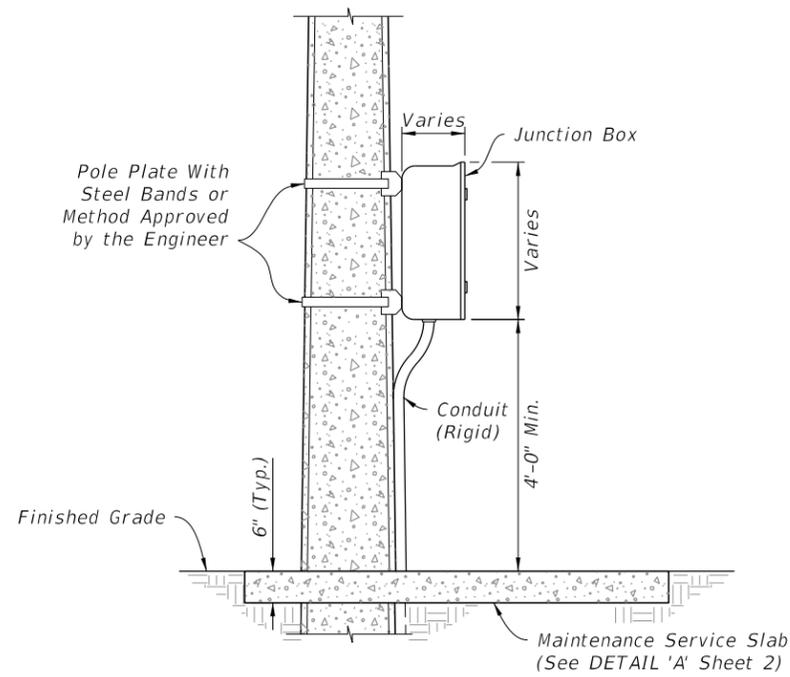
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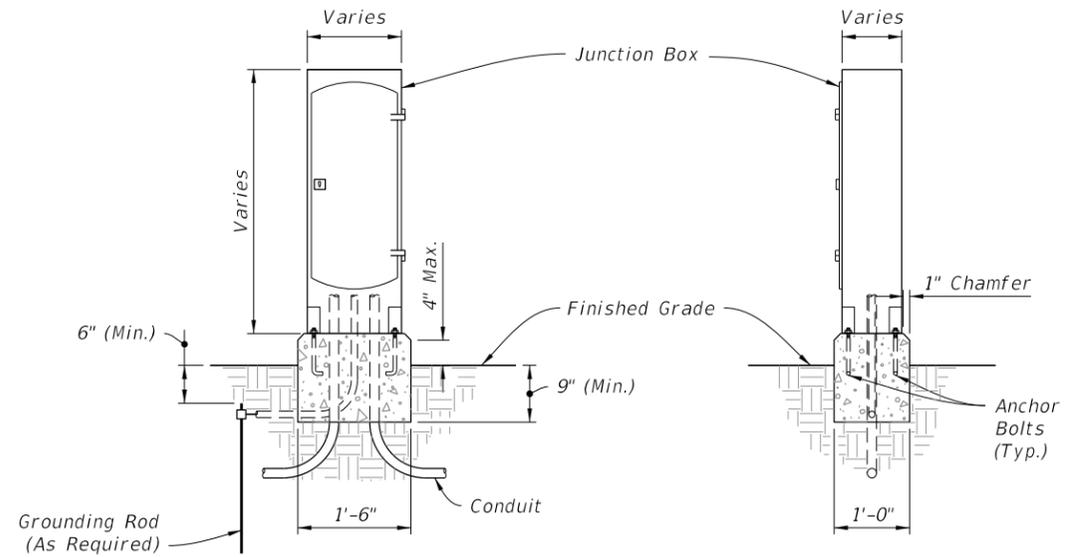
**GROUND MOUNTED INTELLIGENT TRANSPORTATION SYSTEMS (ITS) CABINET**

10/6/2022 2:34:09 PM

LAST REVISION	DESCRIPTION:		FY 2023-24 STANDARD PLANS	CABINET INSTALLATION DETAILS	INDEX 676-010	SHEET 2 of 3
11/01/22	11/01/23					

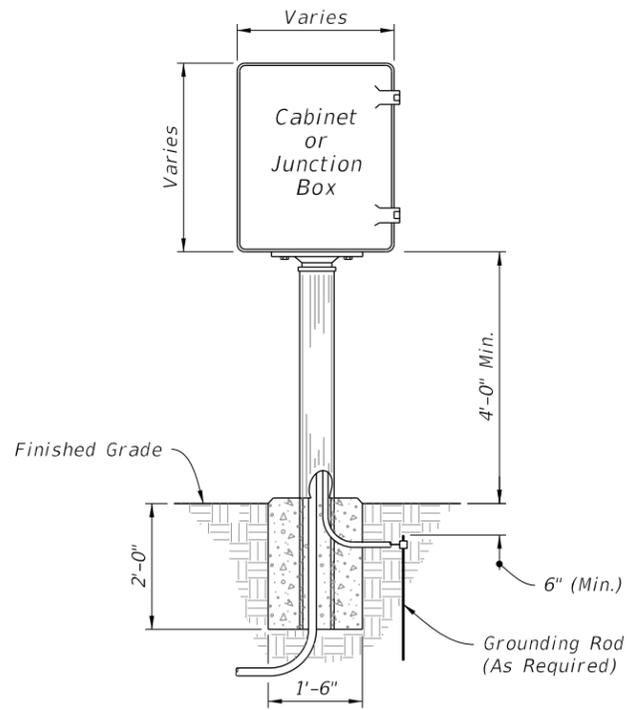


SIDE ELEVATION  
POLE MOUNTED



FRONT ELEVATION  
SIDE ELEVATION  
GROUND MOUNTED

INTERCONNECT JUNCTION BOX



FRONT ELEVATION

PEDESTAL MOUNTED CABINET

10/6/2022 2:34:10 PM

LAST REVISION	DESCRIPTION:
11/01/22	11/01/23

FDOT  
FY 2023-24  
STANDARD PLANS

CABINET INSTALLATION DETAILS

3 of 4

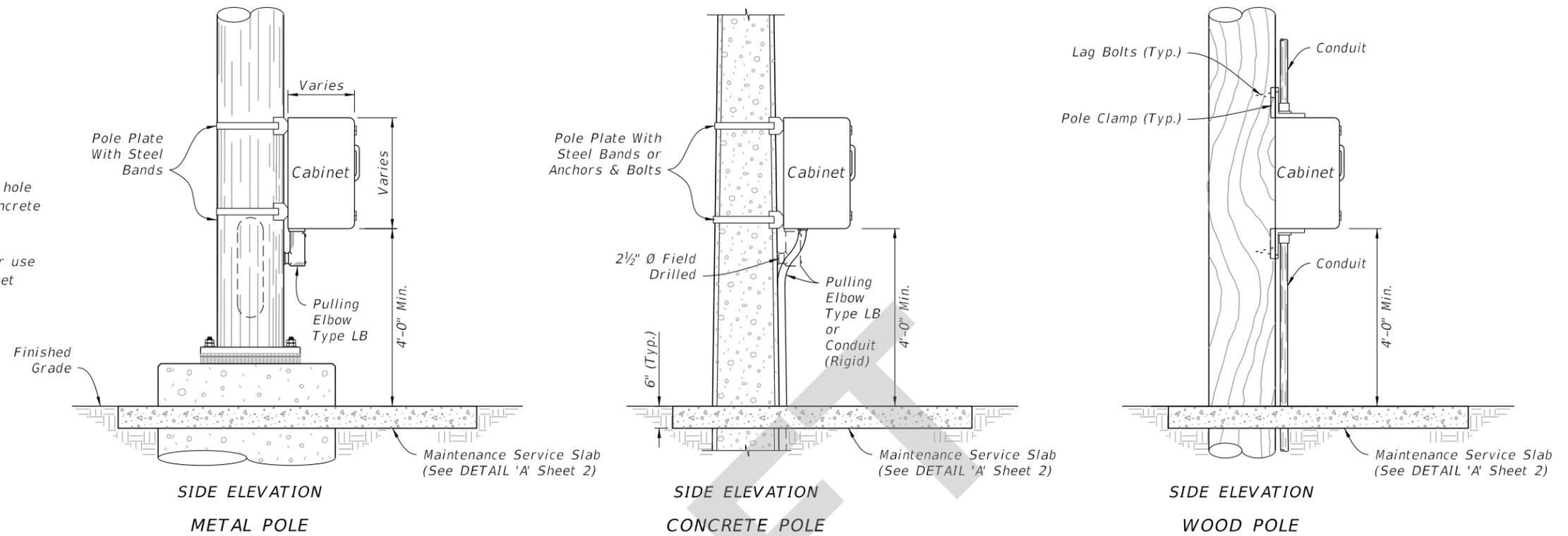
INDEX	SHEET
676-010	3 of 3

**NEW SHEET 4**

**GROUND MOUNTED CONTROLLER CABINET RISER**

**NOTES:**

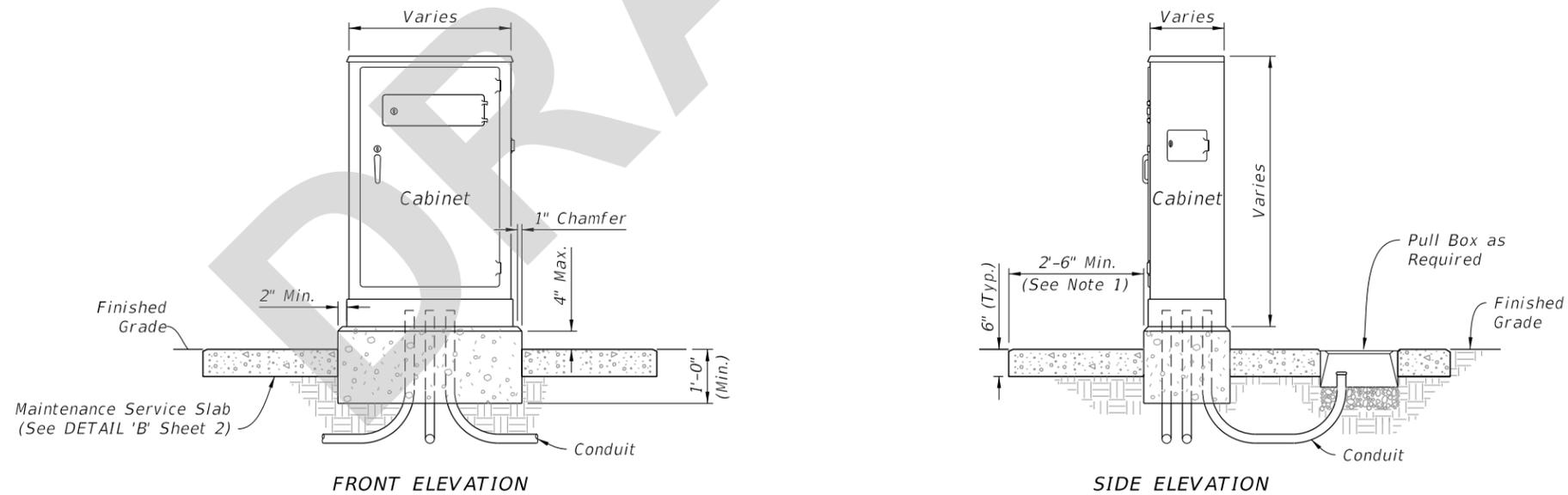
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**POLE MOUNTED CONTROLLER CABINET**

**NOTES:**

1. Maintenance Service Slab: Use Class NS concrete and slope 1/4" to 1" for drainage. Not required in sidewalk, pavement areas, or where R/W is restricted.
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**NEW CONTROLLER CABINET**

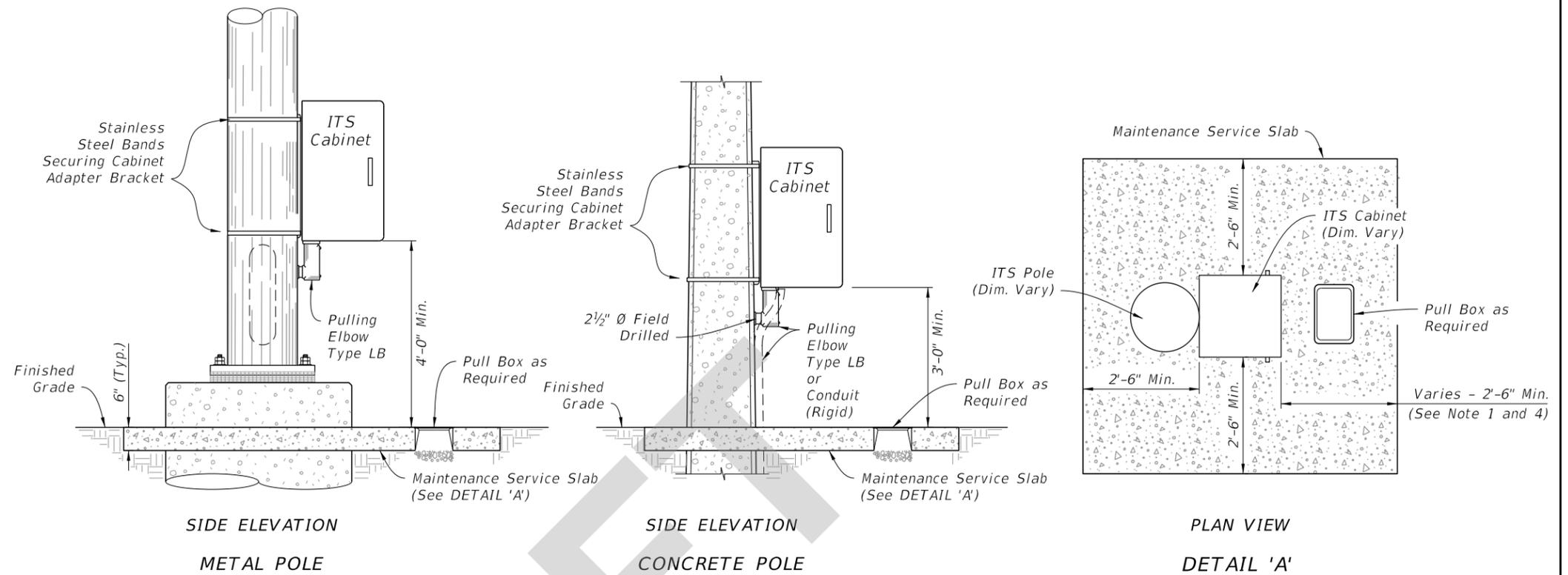
**GROUND MOUNTED CONTROLLER CABINET**

8/3/2023 10:12:26 AM

LAST REVISION 11/01/23	REVISION	DESCRIPTION:		FY 2024-25 STANDARD PLANS	CABINET INSTALLATION DETAILS	INDEX 676-010	SHEET 1 of 4
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**NOTES:**

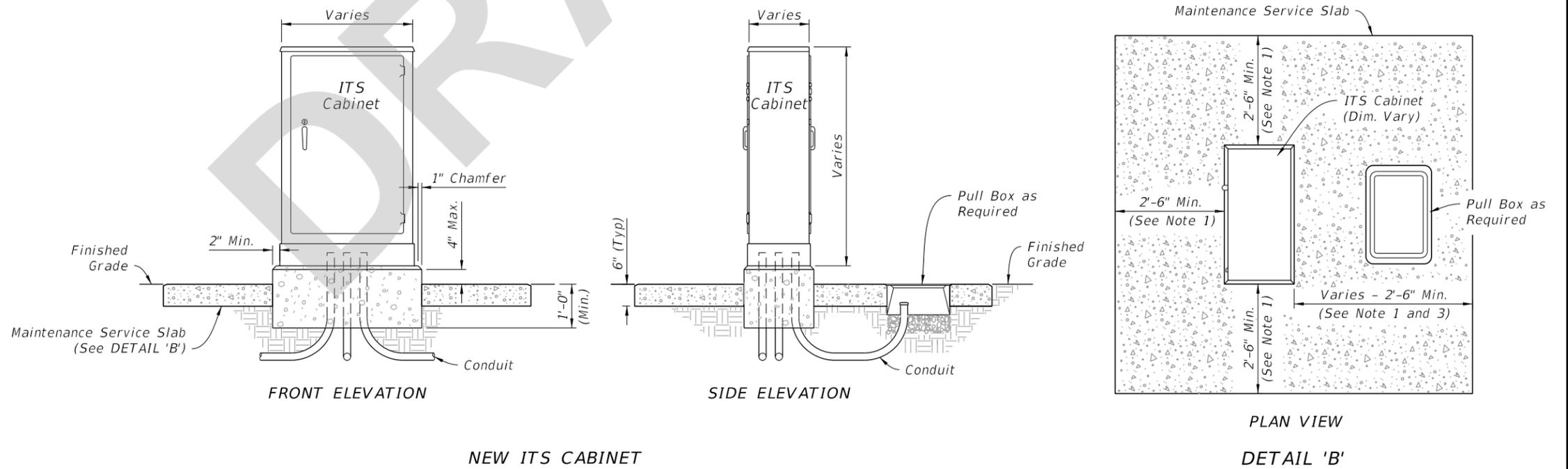
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5. Coordinate placement of maintenance service slab with proposed final grade. Grade and compact side slopes around the maintenance service slab to provide a stable and level working area and tie into the proposed embankment.



**POLE MOUNTED INTELLIGENT TRANSPORTATION SYSTEMS (ITS) CABINET**

**NOTES:**

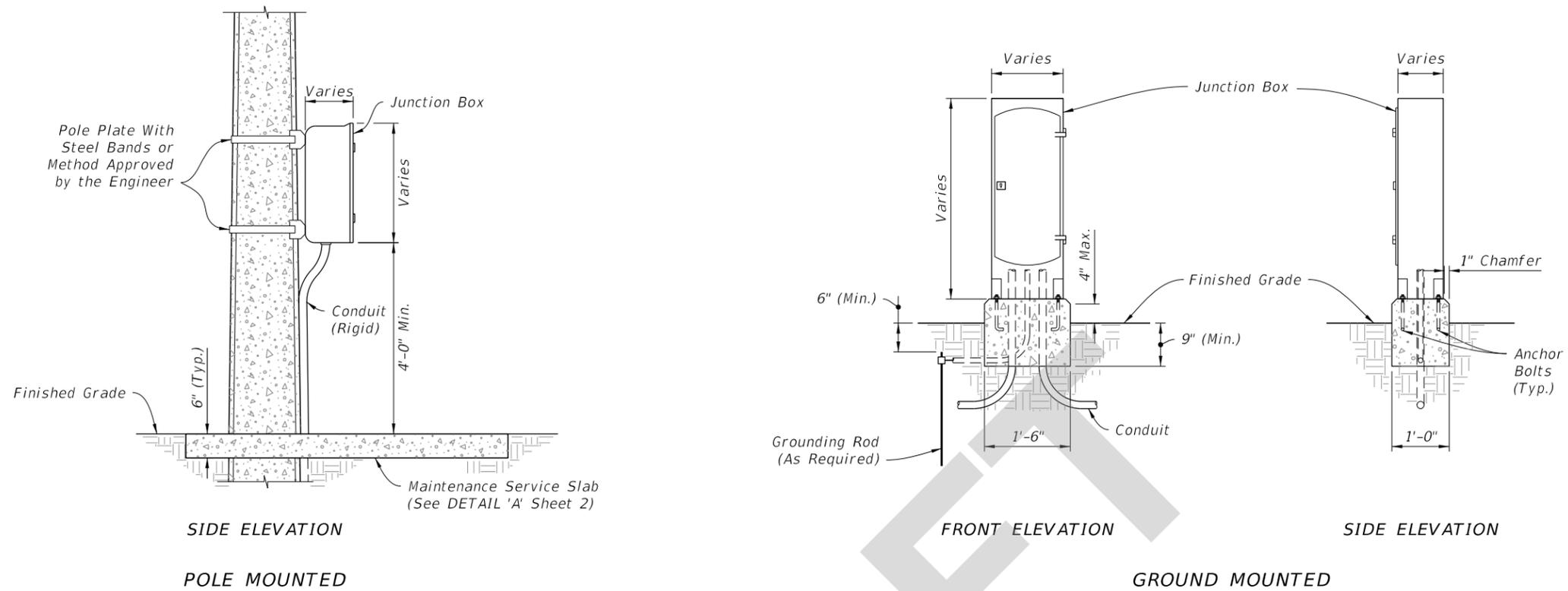
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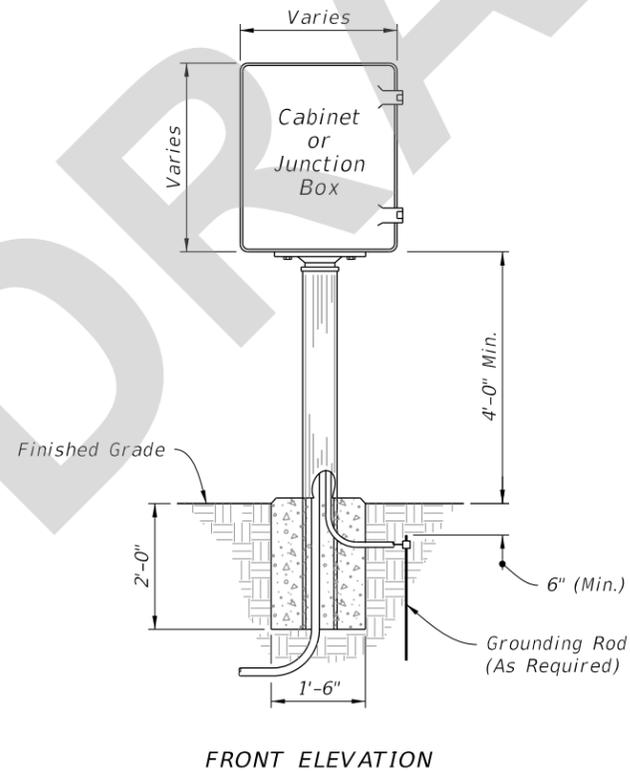
**GROUND MOUNTED INTELLIGENT TRANSPORTATION SYSTEMS (ITS) CABINET**

8/3/2023 10:12:30 AM

LAST REVISION 11/01/23	REVISION	DESCRIPTION:	 <b>FY 2024-25 STANDARD PLANS</b>	<b>CABINET INSTALLATION DETAILS</b>	INDEX <b>676-010</b>	SHEET <b>2 of 4</b>
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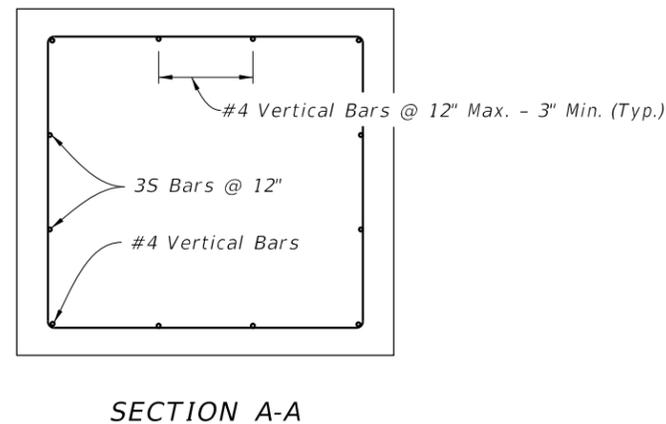
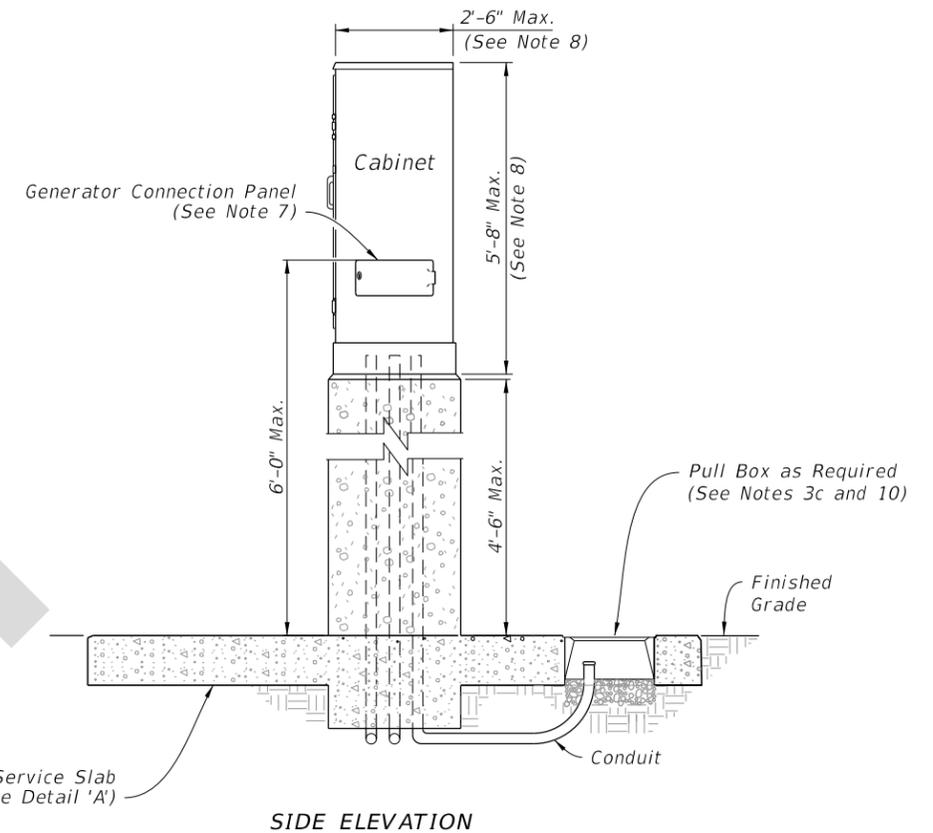
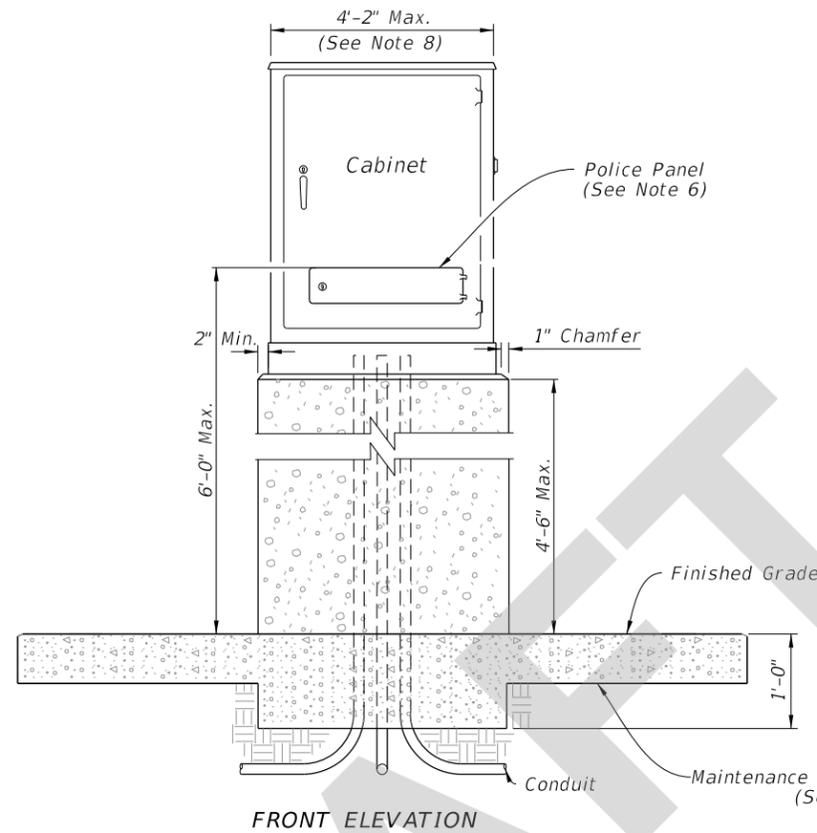
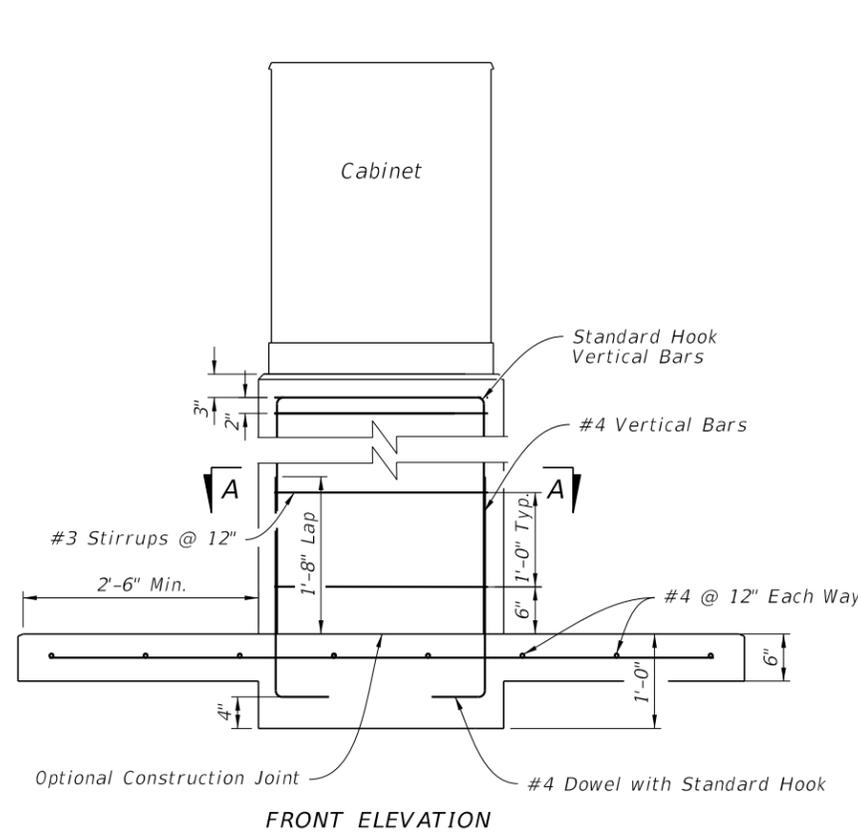
INTERCONNECT JUNCTION BOX



PEDESTAL MOUNTED CABINET

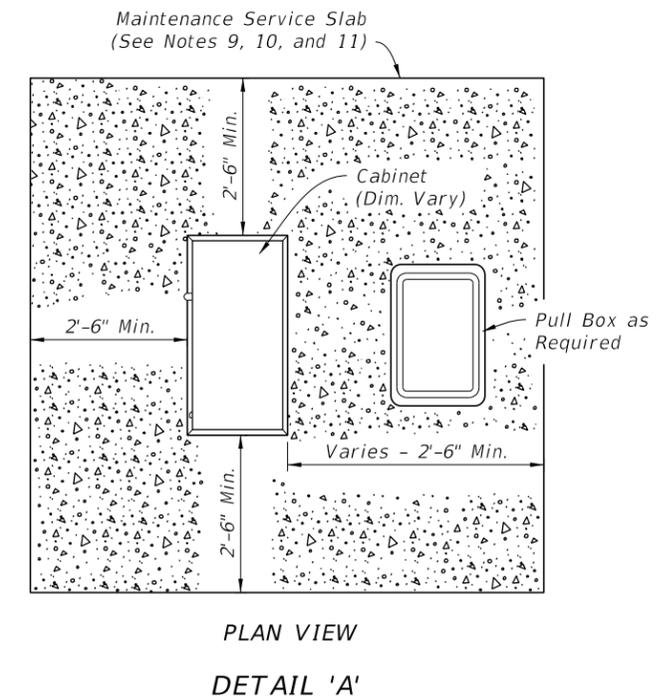
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LAST REVISION 11/01/23	DESCRIPTION:	 FY 2024-25 STANDARD PLANS	CABINET INSTALLATION DETAILS	INDEX 676-010	SHEET 3 of 4
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**NOTES**

1. Install cabinet riser as called for in the Plans. Concrete riser shown, for other options, see Specification 676.
2. Concrete:
  - a. Concrete will be in accordance with Specification 346.
  - b. Concrete will be Class IV.
3. Reinforcing:
  - a. Reinforcing will be in accordance with Specification 415.
  - b. All reinforcing steel will have a 2" minimum cover unless noted otherwise.
  - c. Adjust reinforcing to facilitate Pull Box. Add equal number of bars to either side for each bar interrupted by Pull Box.
4. Generator connection cables will be extended by the same length as the riser's height.
5. Controller cabinet depicted. ITS cabinet similar.
6. Locate Police Panel at bottom of cabinet assembly.
7. Locate generator connection panel at bottom of cabinet assembly.
8. Riser dimensions shown are based on maximum cabinet dimensions per the APL.
9. Slope maintenance slab 1/4" to 1" for drainage. Not required in sidewalk, pavement areas, or where R/W is restricted.
10. When a pull box is to be placed within the maintenance service slab, the slab width must be extended to provide for the required pull box apron as detailed in Index 635-001.
11. Coordinate placement of maintenance service slab with proposed final grade. Grade and compact side slopes around the maintenance service slab to provide a stable and level working area and tie into the proposed embankment.
12. The number, size and orientation of conduit sweep will vary according to site condition or location. Provide two spare 2" PVC conduits in all bases. Place the exits of the two spare conduits in the direction of the center rear of the cabinet base and into a pull box. If obstructions prevent the spare conduit from existing to the rear, or the rear of the cabinet is located on the R/W line, locate as directed by the Engineer. Cap all spare conduit sweeps with a weatherproof fitting.



**GROUND MOUNTED CONTROLLER CABINET RISER**

8/3/2023 10:12:39 AM

LAST REVISION 11/01/23	REVISION	DESCRIPTION:		FY 2024-25 STANDARD PLANS	CABINET INSTALLATION DETAILS	INDEX 676-010	SHEET 4 of 4
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