
Index 676-010 Cabinet Installation Details

ORIGINATION

Date: June 28, 2022

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COMMENTARY

These proposed changes were developed based on implementing a maintenance service slab for ITS cabinets recommended during the TDH integration into statewide criteria. Language has also been added to Specification 676 for the maintenance service slab.

COMMENTS AND RESPONSES

BLACK = Industry Review Comments **BLUE** = Standard Plans Response **GREEN** = Change Made to Index

Name: Russ Snyder

Date: 8/10/2022

COMMENT: I have made some suggestions hopefully to clarify intent and enhance the revisions.

1. Sht 1/3 Note 2, typo in signalized.

RESPONSE: Agree

CHANGE MADE TO INDEX: Update note 2

2. For the maintenance pads and cabinet pads, where is the class of concrete, reinforcing, and required cabinet anchors (size/embedment/etc) addressed?

RESPONSE: Recommend updating note #1 for both pole mount and ground mount with something like Note 2 on 635-001: "Maintenance Service Slab: use Class NS concrete and slope...". 995-11.2.8 defines mounting hardware to be supplied with cabinets (we may also consider adding/moving this to 676-3.2.2).

CHANGE MADE TO INDEX: Update Notes 1 on sheet 1 and 2.

3. Sht 2/3 Notes (5 upper and 4 lower) indicate to provide a level working area and tie into proposed embankment by grading and compacting the slope. This will only be feasible for shallow slopes, yet these maintenance pads are required on slopes up to 1:2. Please address what to do for steeper slopes.

RESPONSE: Treatments for steeper slopes that may require railing, retaining walls, etc. should be addressed in project plans as needed.

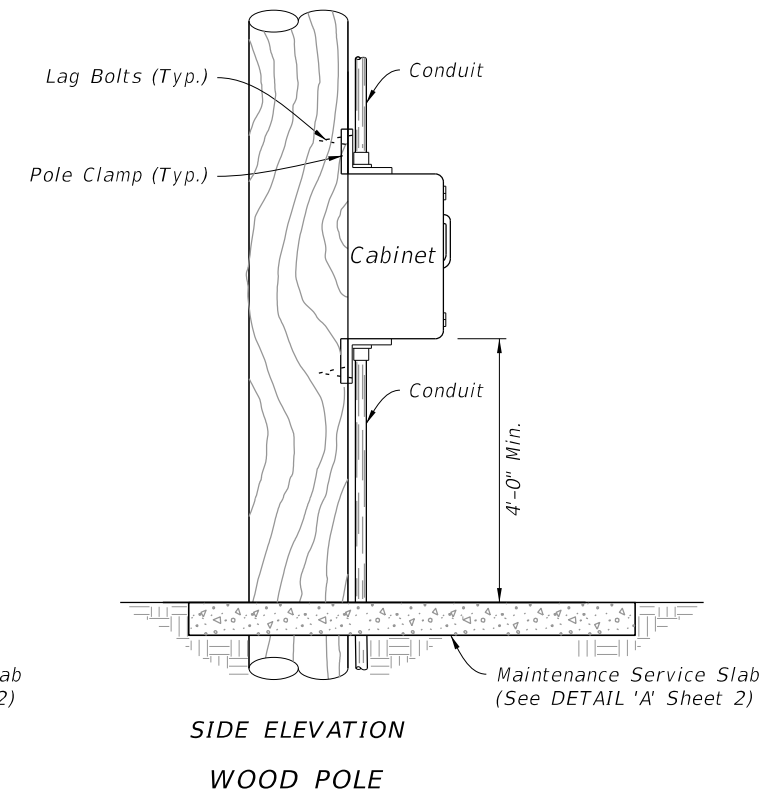
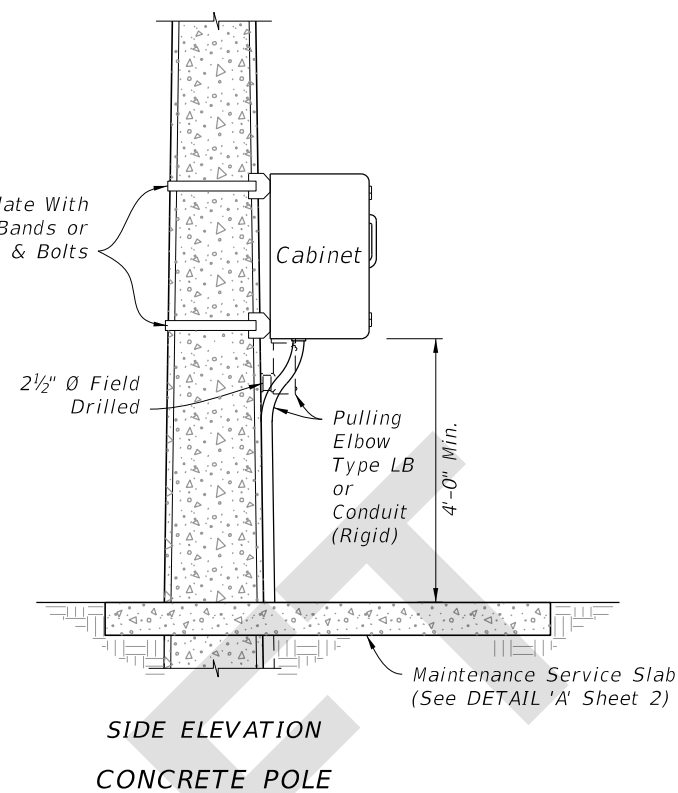
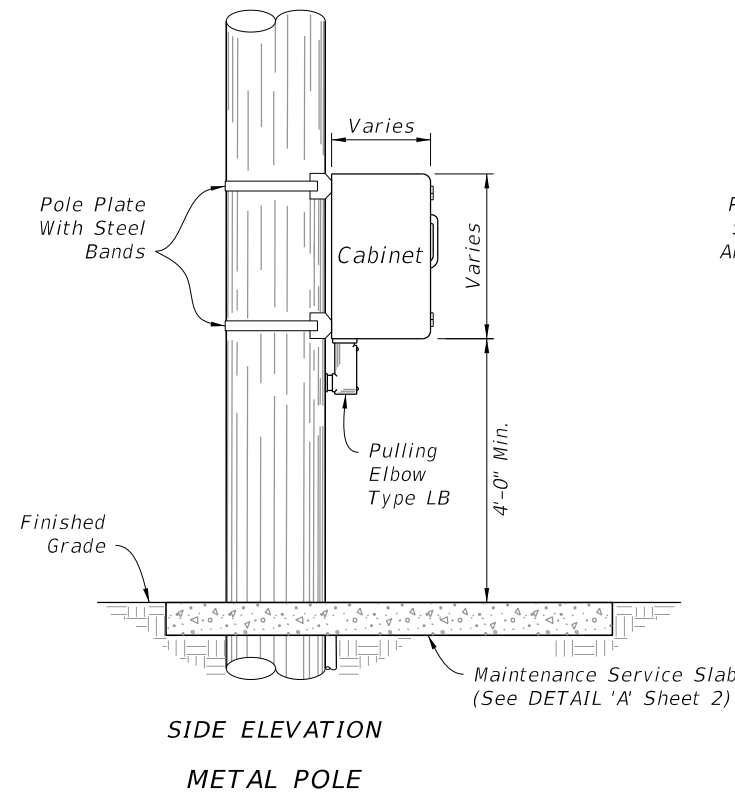
4. Pedestal Mounted Cabinet: What size/material pole? Max size/weight of cabinet? Class of foundation concrete? Has the 2ft deep x 1'-6" diam foundation been designed?

RESPONSE: This is legacy content that was not changed during this update cycle. It will be logged for future consideration.

Response Date: 8/12/2022

NOTES:

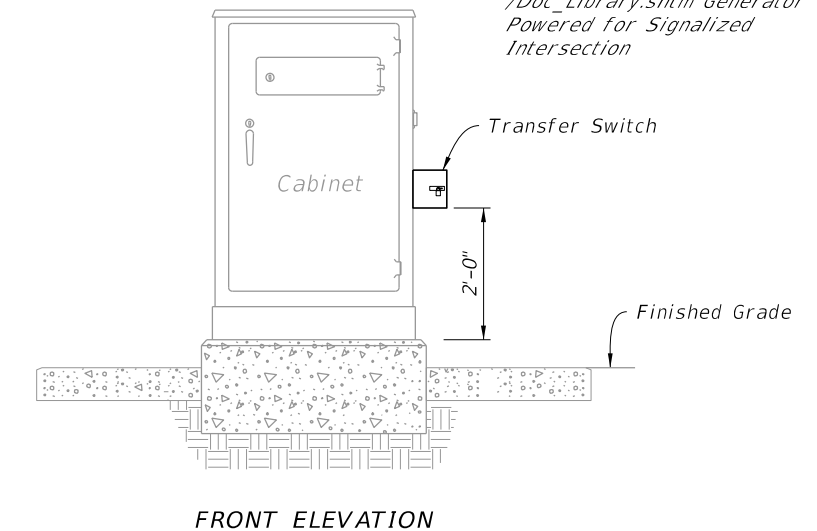
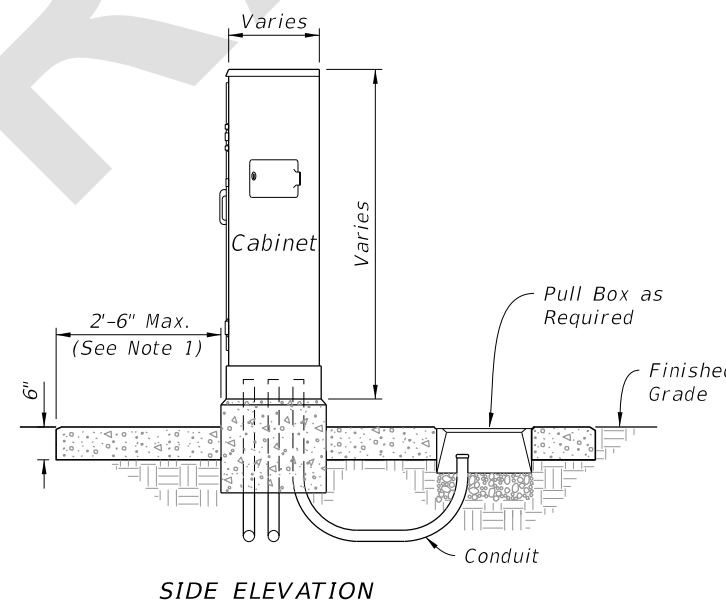
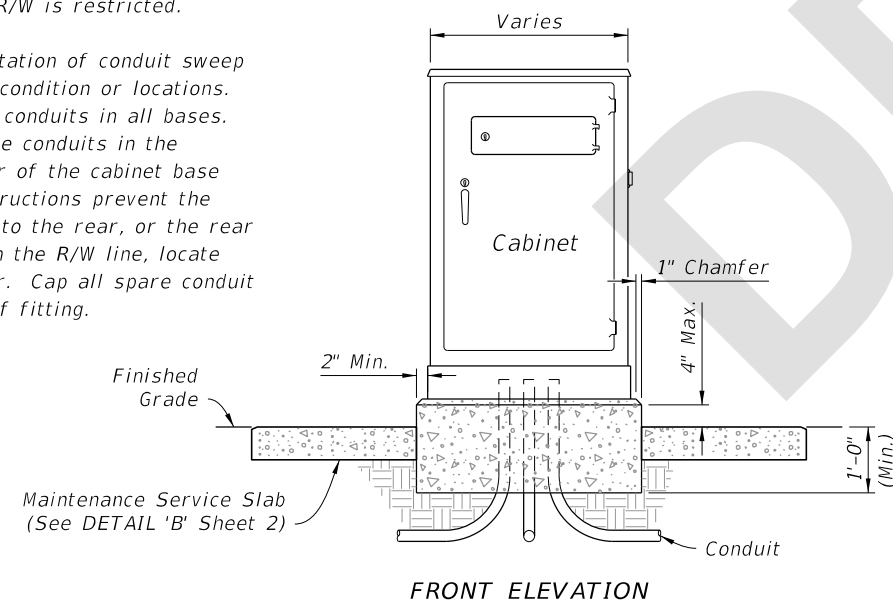
1. If cabinet mounting requires relocation of hole in concrete pole, fill existing hole with concrete or cover with a noncorrosive cover plate.
2. Liquidtight flexible conduit is approved for use from the electrical disconnect to the cabinet when both are installed on the same pole.



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.



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 Generator Powered for Signalized Intersection

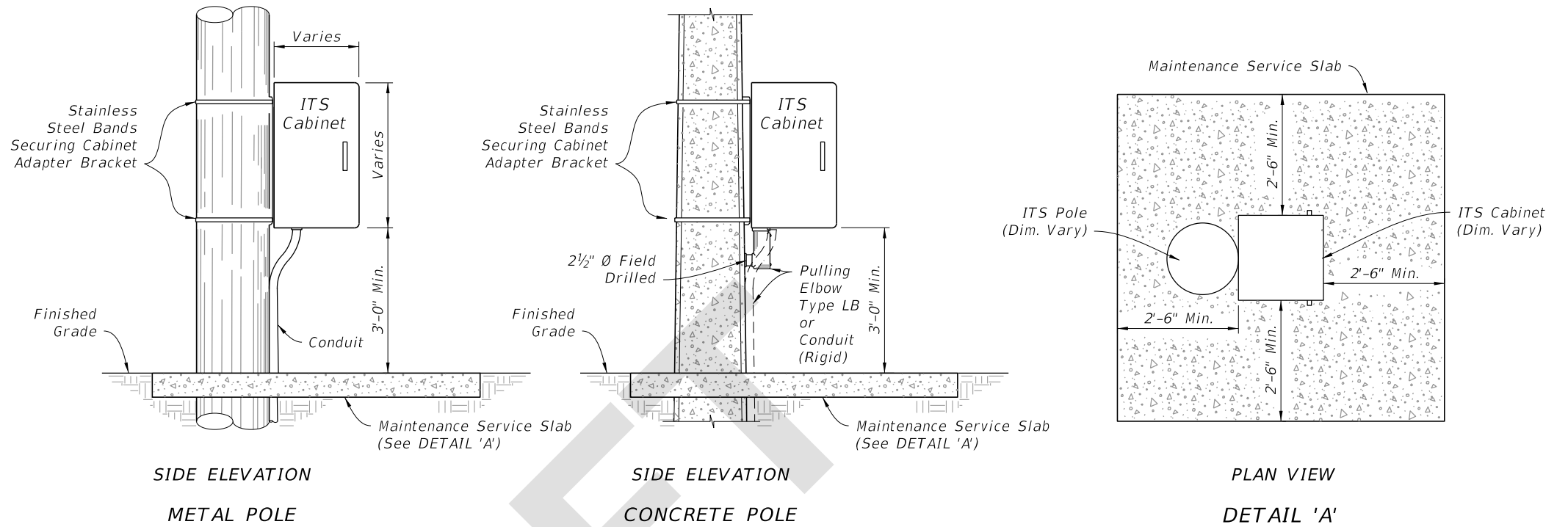
GROUND MOUNTED CONTROLLER CABINET

8/15/2022 11:06:32 AM

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NOTES:

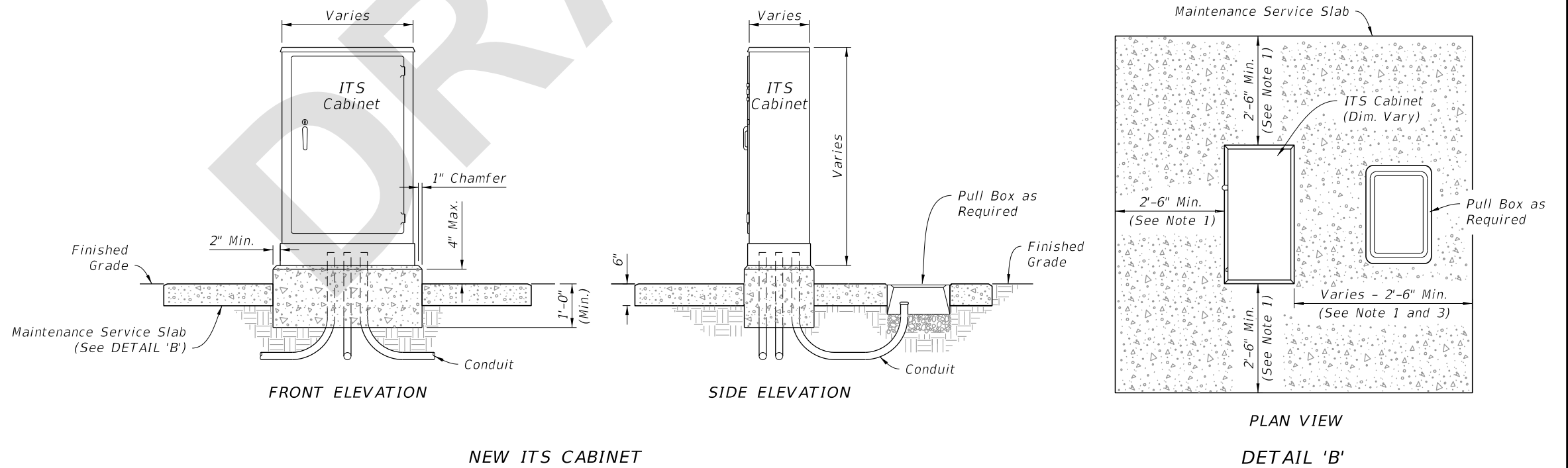
1. Maintenance Service Slab: Use Class NS concrete and slope 1/4" to 1" for drainage. Not required in sidewalk, pavement areas, or where R/W is restricted.
2. If cabinet mounting requires relocation of hole in concrete pole, fill existing hole with concrete or cover with a noncorrosive cover plate.
3. 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:

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.
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GROUND MOUNTED INTELLIGENT TRANSPORTATION SYSTEMS (ITS) CABINET

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