
ORIGINATION FORM

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

Contact Information:

Date: June 6, 2021
Originator: Derwood Sheppard
Phone: (850) 414-4334
Email: derwood.sheppard@dot.state.fl.us

Standard Plans:

Index Number: 646-001
Sheet Number (s): 1 of 1
Index Title:
Aluminum Post and Pedestal Mounted
Pedestrian Detectors and Signals



Summary of the changes:

- Changed Note 4 to remove concrete type since specified in Spec 646
- Added Note 5 "As an alternative to the direct buried "Post Mounted" Pedestrian Detector Assembly shown below, the post may be installed on a transformer base. Use a transformer base included on the APL approved as an alternative to a "Post Mounted" assembly."
- Updated the PEDESTAL MOUNTED detail - to show in the ADJACENT TO SIDEWALK detail "Tie Bars" callout as a #4 Stirrups equally spaced, with a 12" maximum spacing; Changed all references "4" Nominal Aluminum Pipe" , to Nominal 4" Aluminum Pole (Sch.40) (4.5" OD).
- Updated the POST MOUNTED detail - Changed the "4" OD Alum. Pipe" to "Nominal 4" Aluminum Post (Sch.40) (4.5" OD).

Commentary / Background:

The foundations within 646-001, 654-001, 695-001, and 700-120 are being updated to be more consistent between applications. An analysis was completed to determine if the foundations could be revised to provide a more consistent design between the various applications. The alum. post/pole references were updated to include OD.

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 type="checkbox"/> | <input checked="" type="checkbox"/> | Basis of Estimates Manual – |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Standard Specifications – |
| <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:

(Email or hand deliver package to Rick Jenkins)

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

Implementation:

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

Contact the Roadway Design Office for assistance in completing this form

Email to: Rick Jenkins rick.jenkins@dot.state.fl.us and Darren Martin darren.martin@dot.state.fl.us

NOTES:

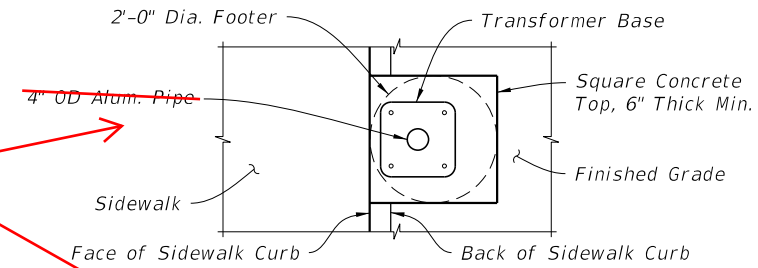
1. Work this Index with Specification 646.
2. For Pedestrian Signals see Index 653-001.
3. For Pedestrian Detector Assembly (i.e., Pushbutton and Sign) details see Index 665-001.
4. ~~Construct footing with Class I Concrete, footing may be Cast-In-Place (C-I-P) or Precast.~~

DELETE CLASS I REFERENCE IN NOTE 4

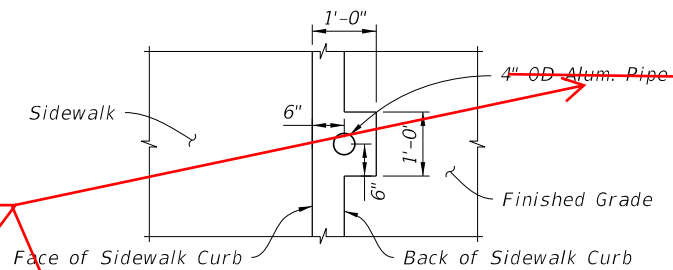
5. ADDED NOTE 5

CHANGED TO: Nominal 4" Aluminum Pole (Sch. 40) (4.5" OD)

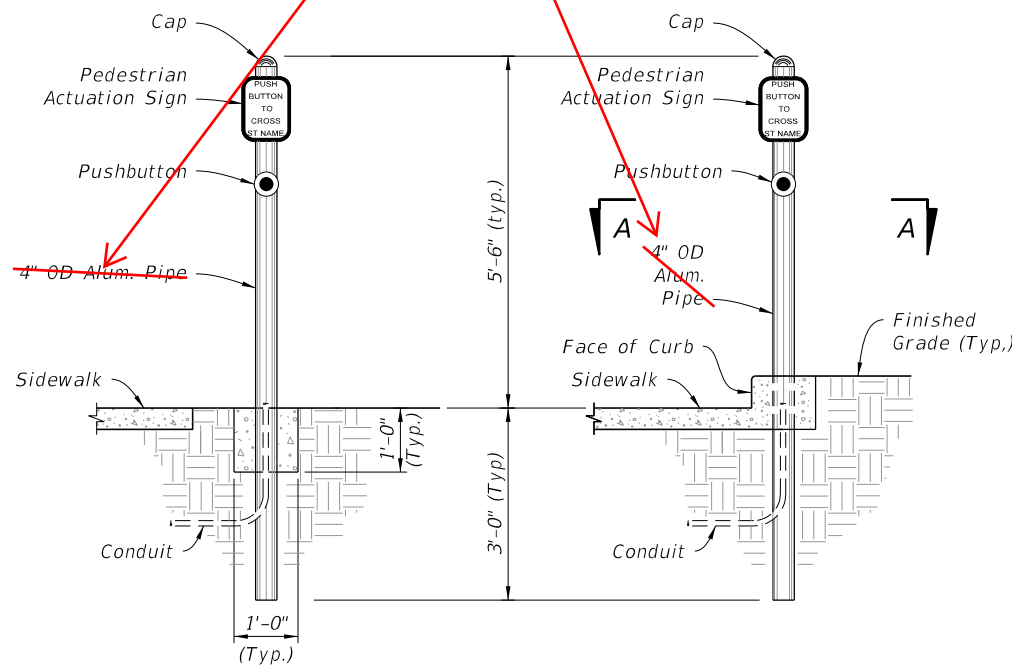
CHANGED TO: Nominal 4" Aluminum Post (Sch. 40) (4.5" OD)



PLAN VIEW SECTION B-B



PLAN VIEW SECTION A-A

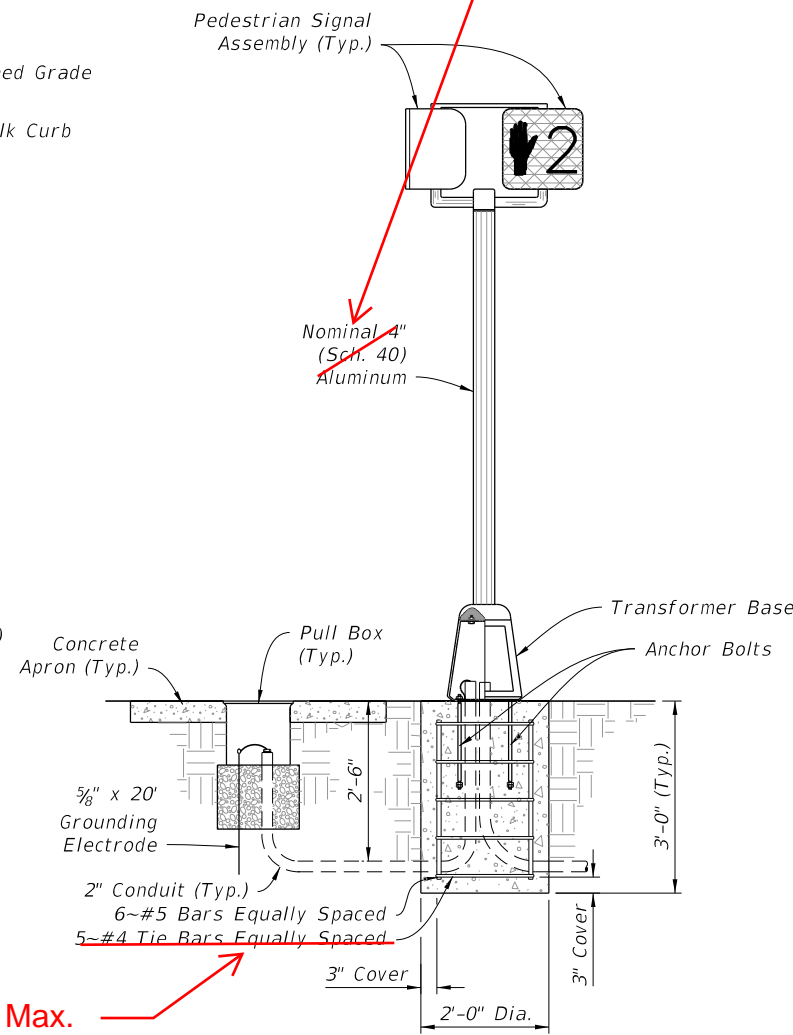


CHANGED TO: #4 Stirrups Equally Spaced, 12" Max.

ADJACENT TO SIDEWALK

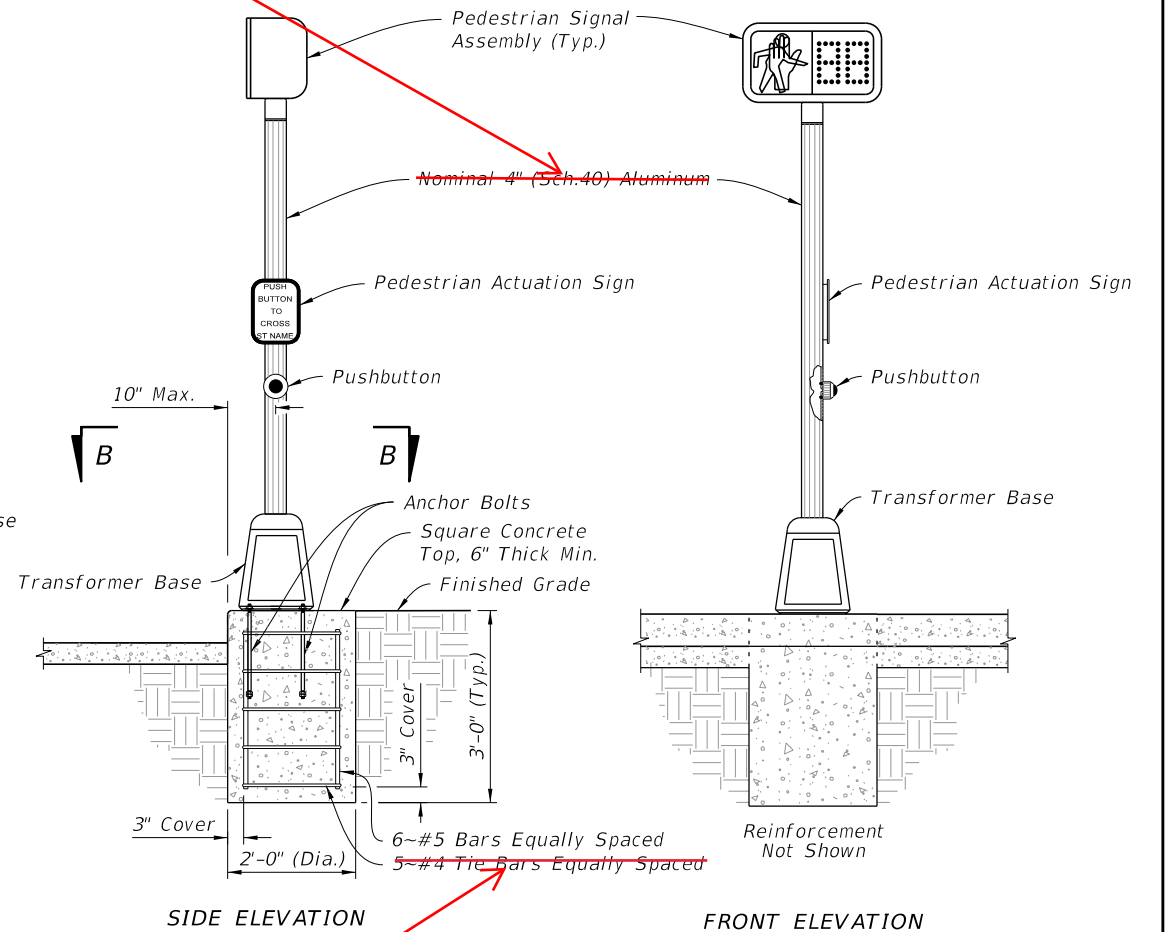
IN SIDEWALK CURB

POST MOUNTED



ADJACENT TO SIDEWALK

CHANGED TO: #4 Stirrups Equally Spaced, 12" Max.



SIDE ELEVATION

FRONT ELEVATION

PEDESTAL MOUNTED

IN SIDEWALK CURB
(Conduit And Grounding Not Shown)

10/12/2020 8:20:14 AM

LAST REVISION	REVISION	DESCRIPTION:
11/01/20		
		11/01/21



FY 2021-22
STANDARD PLANS

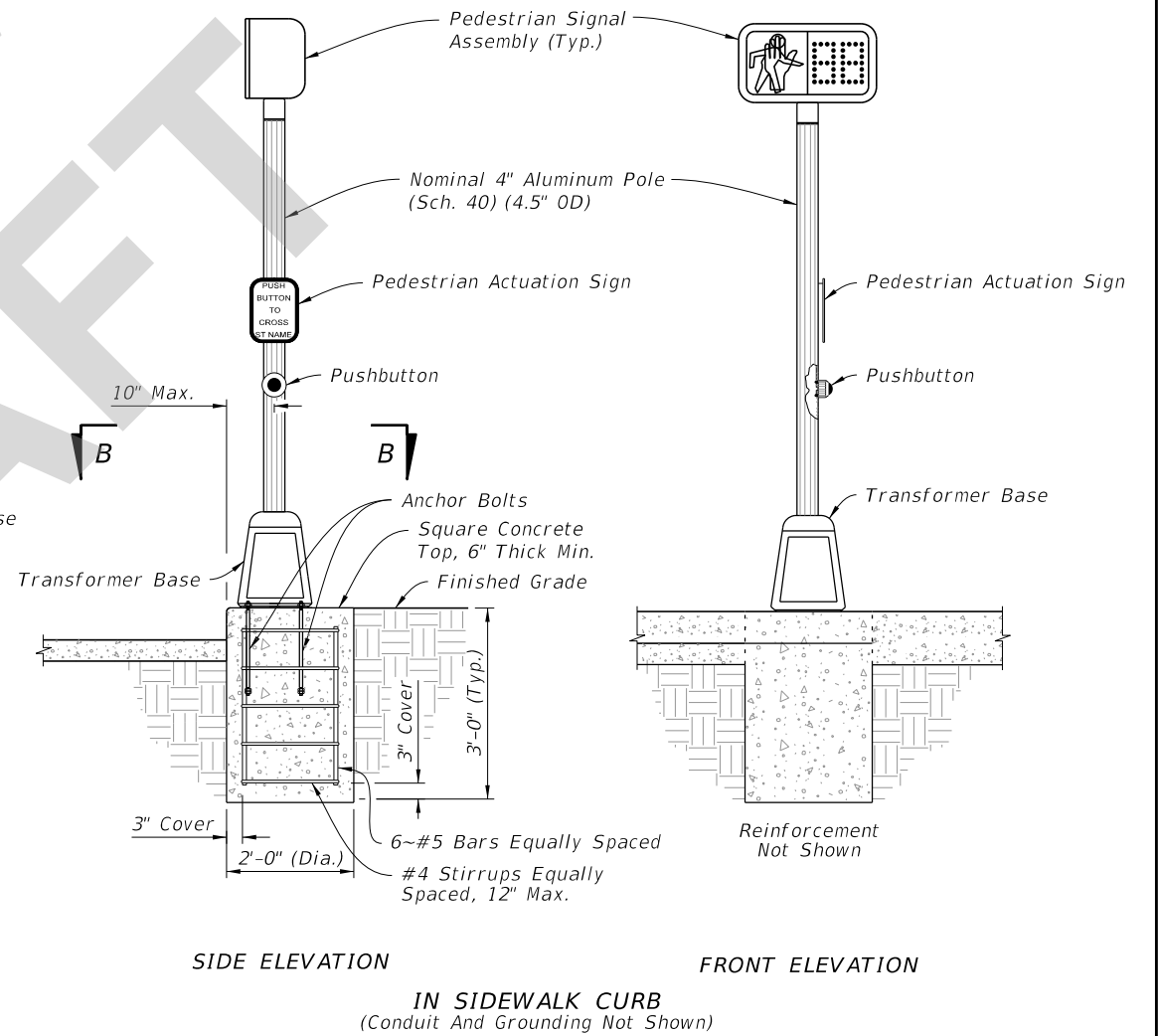
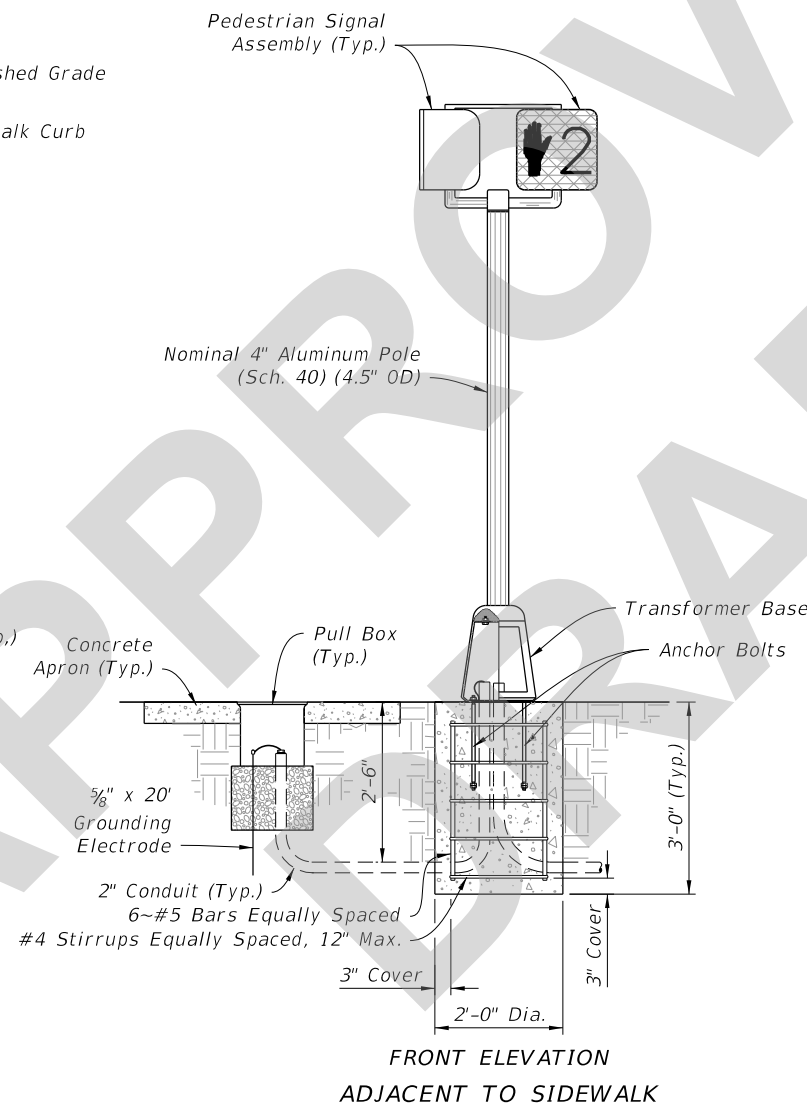
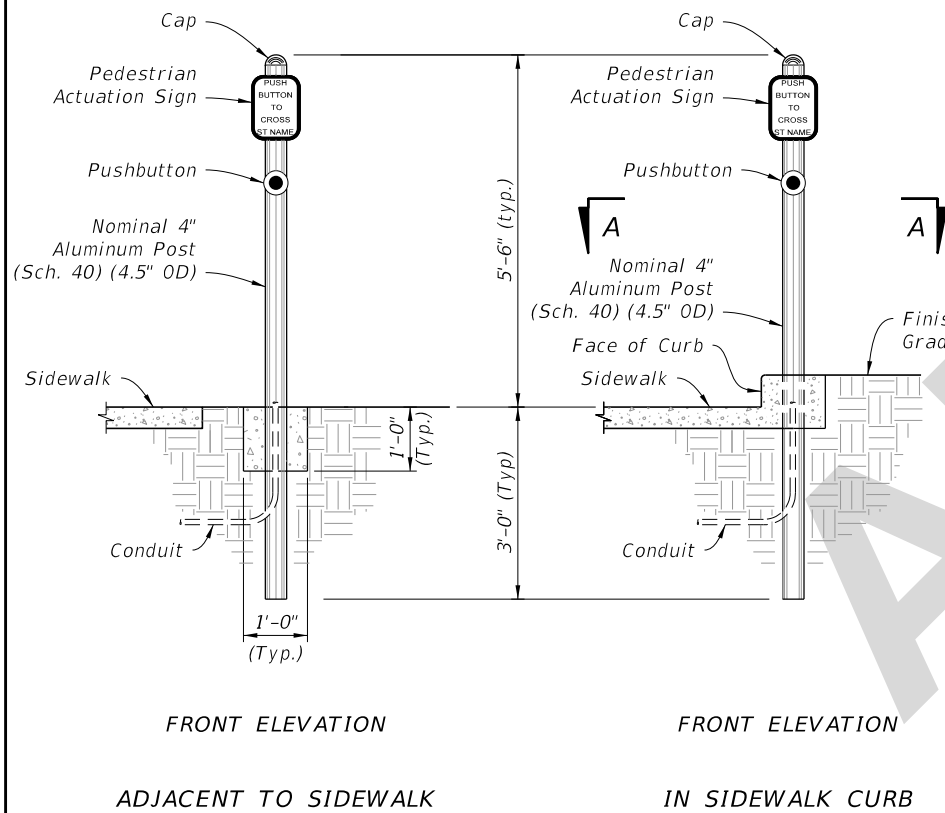
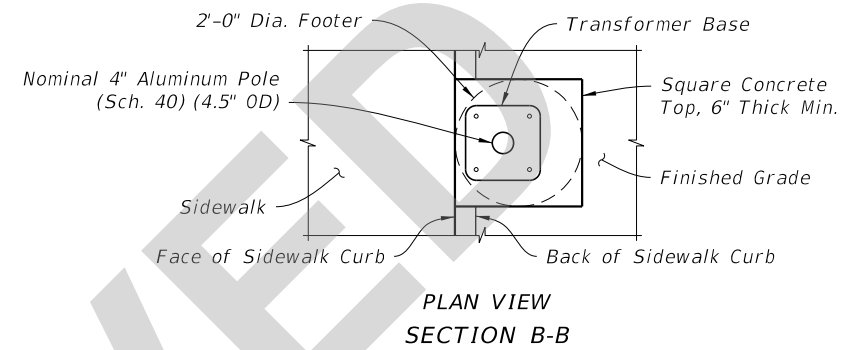
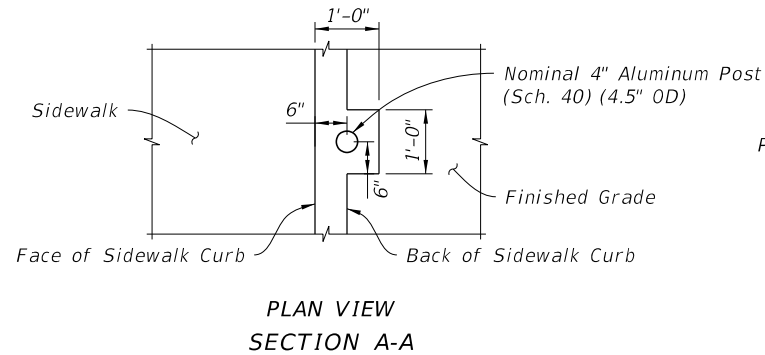
ALUMINUM POST AND PEDESTAL MOUNTED
PEDESTRIAN DETECTORS AND SIGNALS

INDEX
646-001

SHEET
1 of 1

NOTES:


1. Work this Index with Specification 646.
2. For Pedestrian Signals see Index 653-001.
3. For Pedestrian Detector Assembly (i.e., Pushbutton and Sign) details see Index 665-001.
4. Footing may be Cast-In-Place (C-I-P) or Precast.
5. As an alternative to the direct buried "Post Mounted" Pedestrian Detector Assembly shown below, the post may be installed on a transformer base. Use a transformer base included on the APL approved as an alternative to a "Post Mounted" assembly,



POST MOUNTED

PEDESTAL MOUNTED

9/9/2021 2:49:52 PM

LAST REVISION 11/01/21	DESCRIPTION:	 FY 2022-23 STANDARD PLANS	ALUMINUM POST AND PEDESTAL MOUNTED PEDESTRIAN DETECTORS AND SIGNALS	INDEX 646-001	SHEET 1 of 1
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