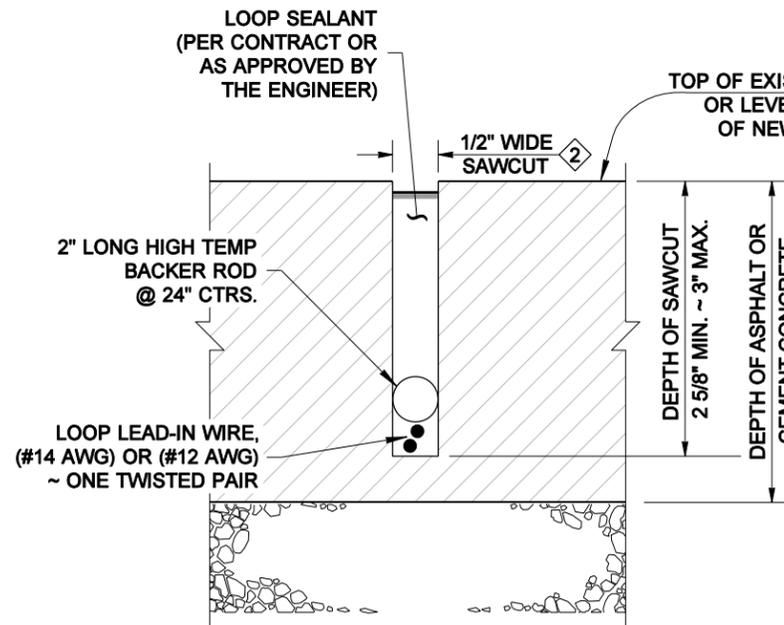
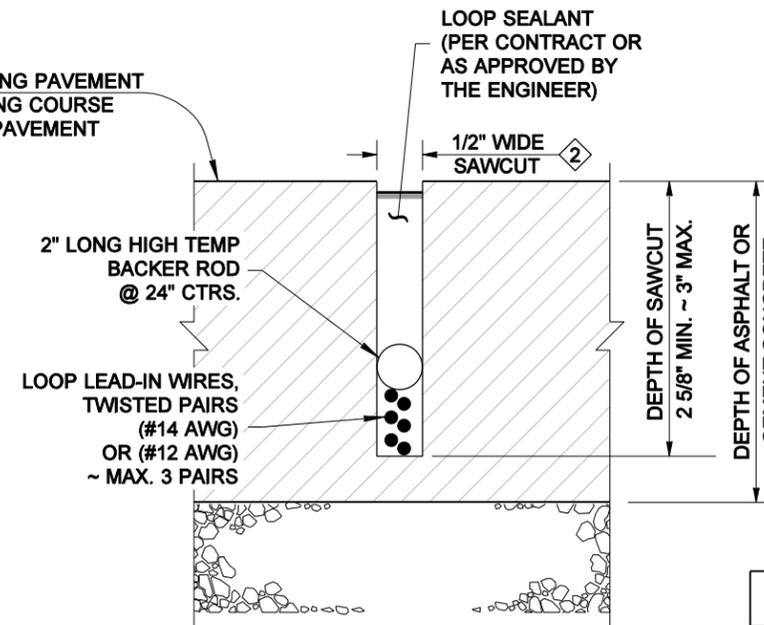


SECTION A



SECTION B



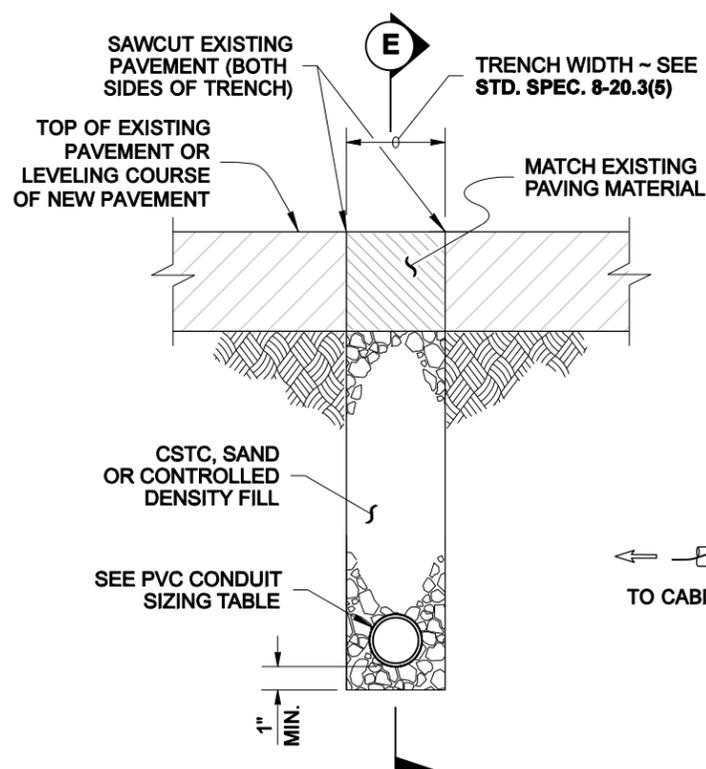
SECTION C

NOTES

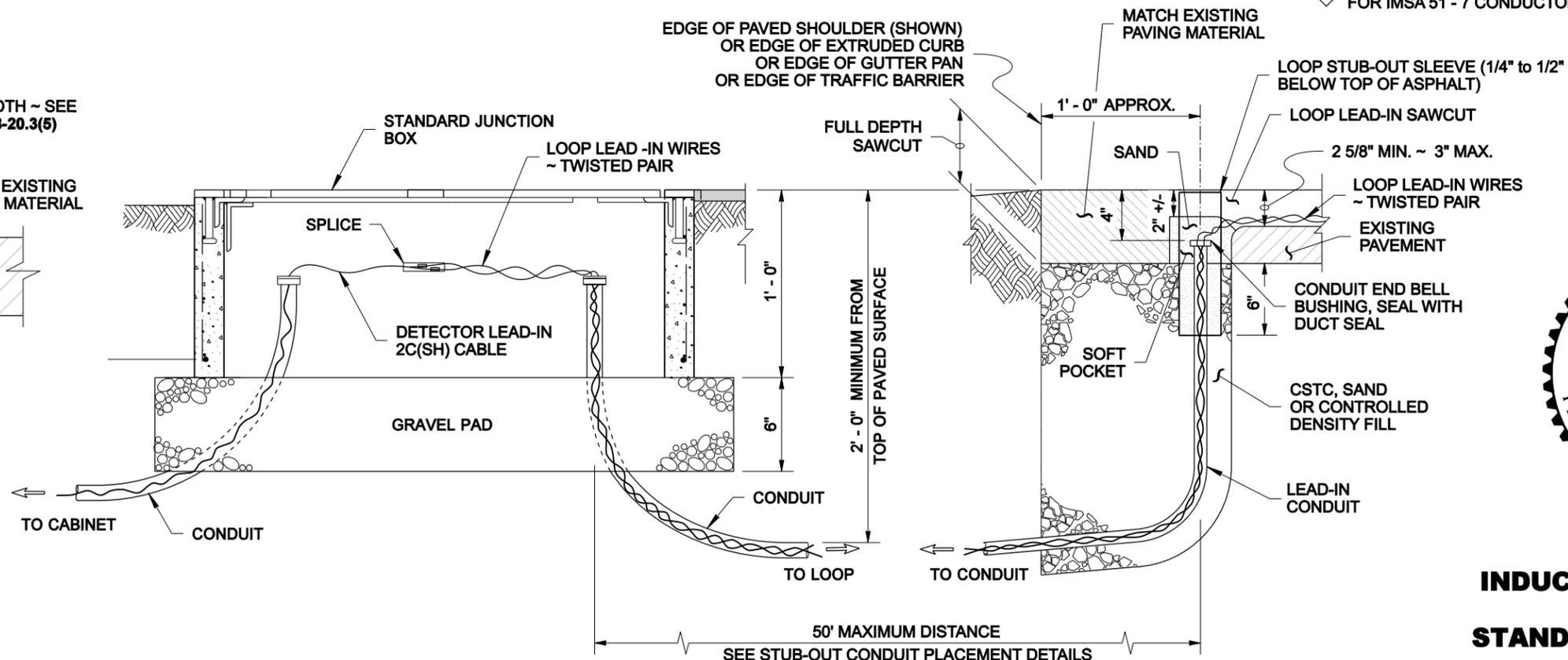
1. Fill the conduit trench to the bottom of the existing or new surfacing with CSTC, sand or controlled density fill. See **Standard Specifications Section 2-09.3(1)E**.
2. Minor Regional variations are allowed in the soft pocket closure. Consult with the Engineer or see the Contract for additional requirements.
3. Conductors shall be snug to the bottom of the sawcut. High temperature backer rod shall be snug to the conductors and sides of cut.
4. Fill the sealant to within 1/8" to 3/16" from top of saw cut.
5. See **Standard Plan J-40.10** for additional Junction Box details.

PVC CONDUIT SIZING TABLE					
LOOP LEAD PAIRS	1 - 4	5 - 10	11 - 16	17 - 22	23 - 28
NUMBER AND SIZE OF CONDUITS	1 - 2"	2 - 2"	3 - 2"	4 - 2"	3 - 3"

- ① ADD 1/16" TO THE SAWCUT FOR IMSA 51 - 7 CONDUCTORS
- ② ADD 1/8" TO THE SAWCUT FOR IMSA 51 - 7 CONDUCTORS



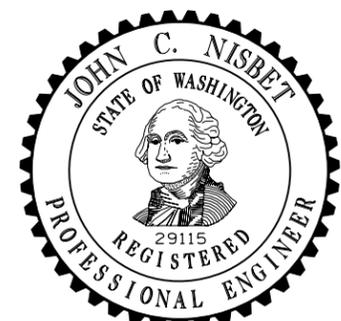
SECTION D



JUNCTION BOX PLACEMENT
SEE NOTE 5

SECTION E

LEAD-IN CONDUIT SECTION
MAX. 50 FT POCKET SECTION



NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT UNTIL IT IS APPROVED AND SEALED BY THE ENGINEER AND APPROVED FOR ORIGINATOR'S SIGNATURE AND FILED AT THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION. A COPY MAY BE OBTAINED UPON REQUEST.

INDUCTION LOOP DETAILS

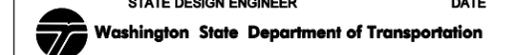
STANDARD PLAN J-50.15-00

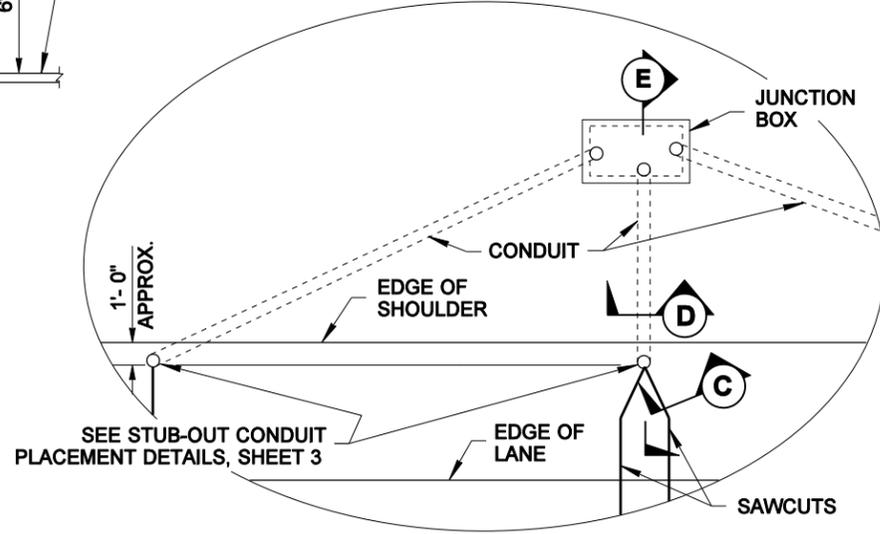
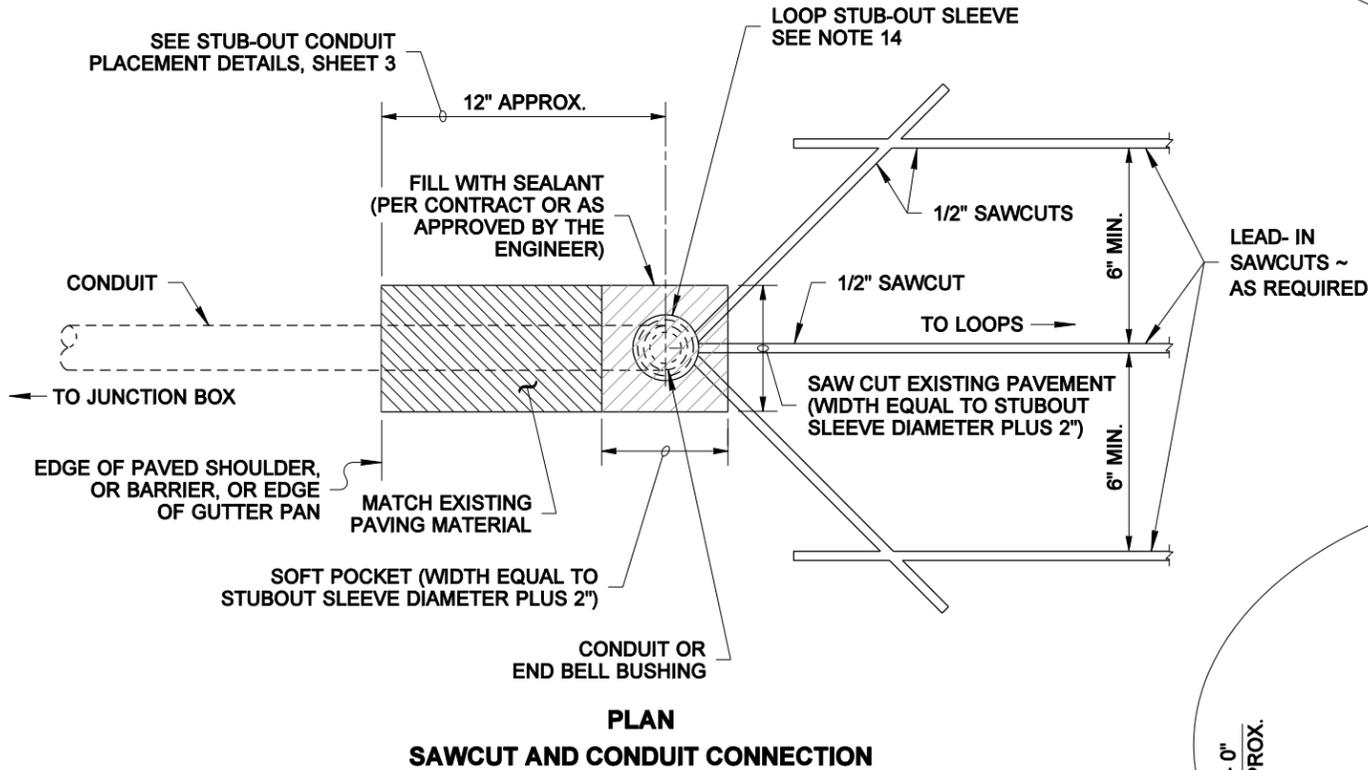
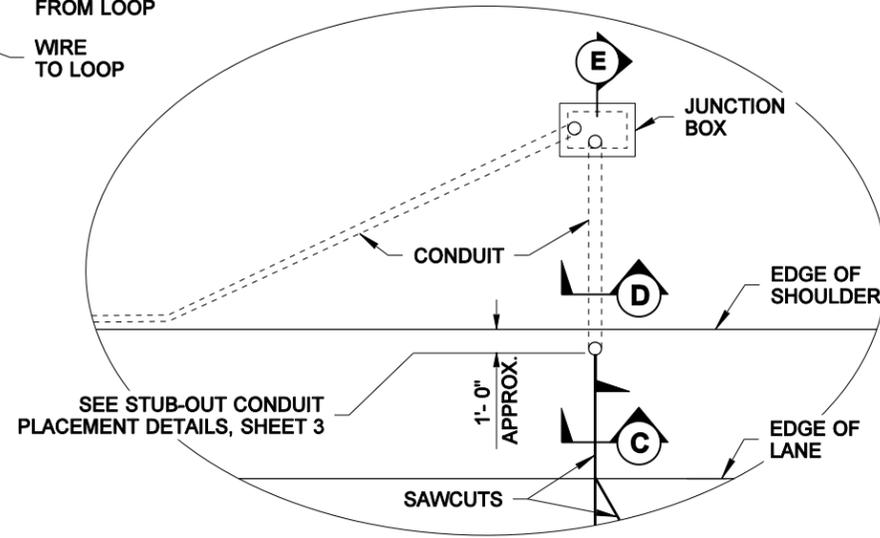
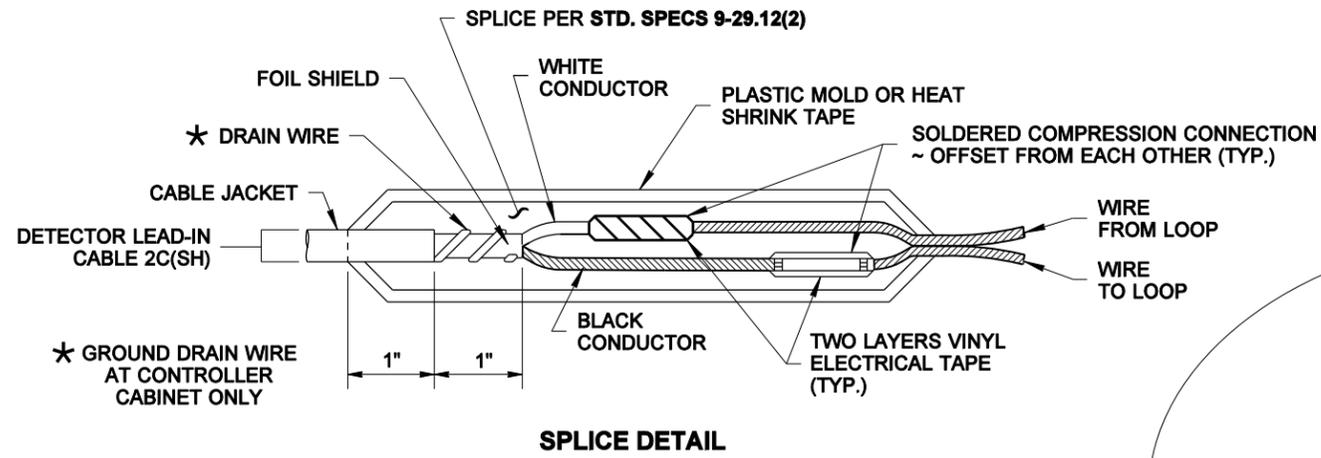
SHEET 1 OF 3 SHEETS

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LOOP INSTALLATION NOTES

1. Install the Junction Box and the stub-out conduit with PVC sleeve. Conduit for the loop stub-out shall be as required in the conduit size table shown on sheet 1 of this set.
2. Lay out loops and loop lead-ins to miss cracks/joints in road, when possible. Maintain 18" minimum clearance from manholes and valve boxes.
3. The opening around the loop stub shall be patched with matching paving material if opened larger than PVC sleeve + 2".
4. Sawcut the loop slots and the lead-in slots. Wash/dry cuts. File edges to remove burr of all saw-cuts into stub out sleeve.
5. Lay out the loop wire starting at the Junction Box, allowing 5' minimum slack.
6. Install the wire in the loop slot as shown.
7. Finish laying out the wire at the Junction Box and identify the leads with the loop number, the "S" for start and the "F" for the finish, the loop series number, and the loop lead-in conductor number.
8. Twist each pair of the lead-in wires a minimum of two times per foot each foot, from the loop to the Junction Box. Reverse the direction of the twist for each successive pair installed. Seal loops/sawcuts.
9. Construct a supplemental splice containing any series loop connections in the adjacent junction box as required in the plans. Supplemental splices are subject to the same requirements shown for the loop lead-in and the shielded cable splice.
10. Splice the loop lead-ins to the shielded cable as noted in the Contract.
11. All loop circuits shall be tested per **Standard Specifications 8-20.3(14)D** once installation is complete.
12. Existing stubouts shall be upgraded as necessary to conform to the conduit size table shown on sheet 1.
13. All loop lead-in sawcuts parallel to lane edge shall be at least 12" from edge of pavement and within six inches outside of lane or fog line when possible. Maintain 12" separation between parallel cuts or joints.
14. The loop stub-out sleeve shall have an inside diameter 1" larger than the outside diameter of the End Bell Bushing. Plug conduit and fill sleeve with sand until loops are installed to keep out Hot Asphalt during paving operations.



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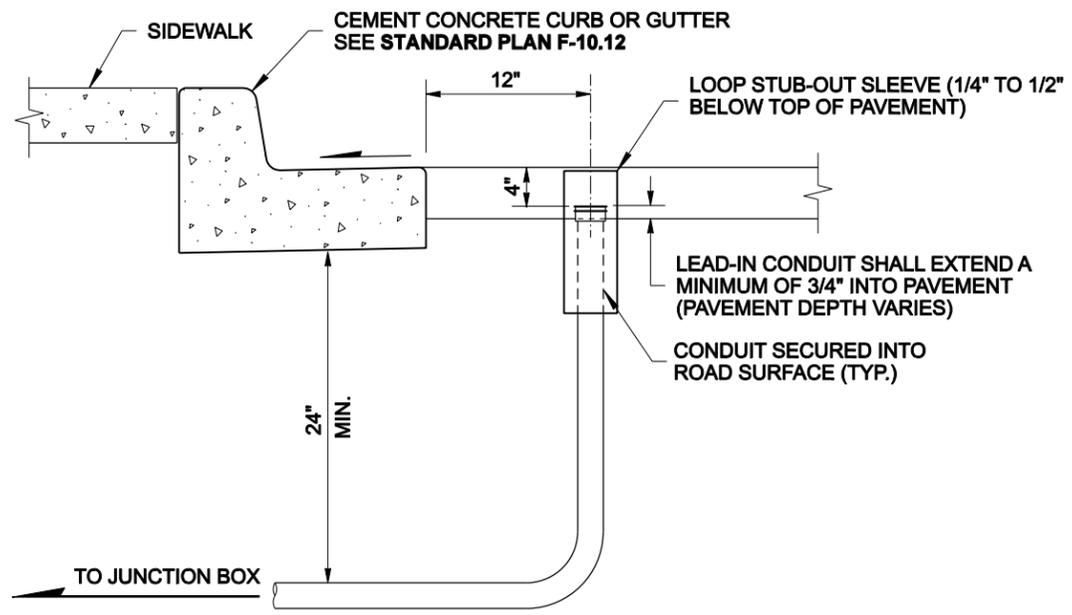
INDUCTION LOOP DETAILS
STANDARD PLAN J-50.15-00

SHEET 2 OF 3 SHEETS

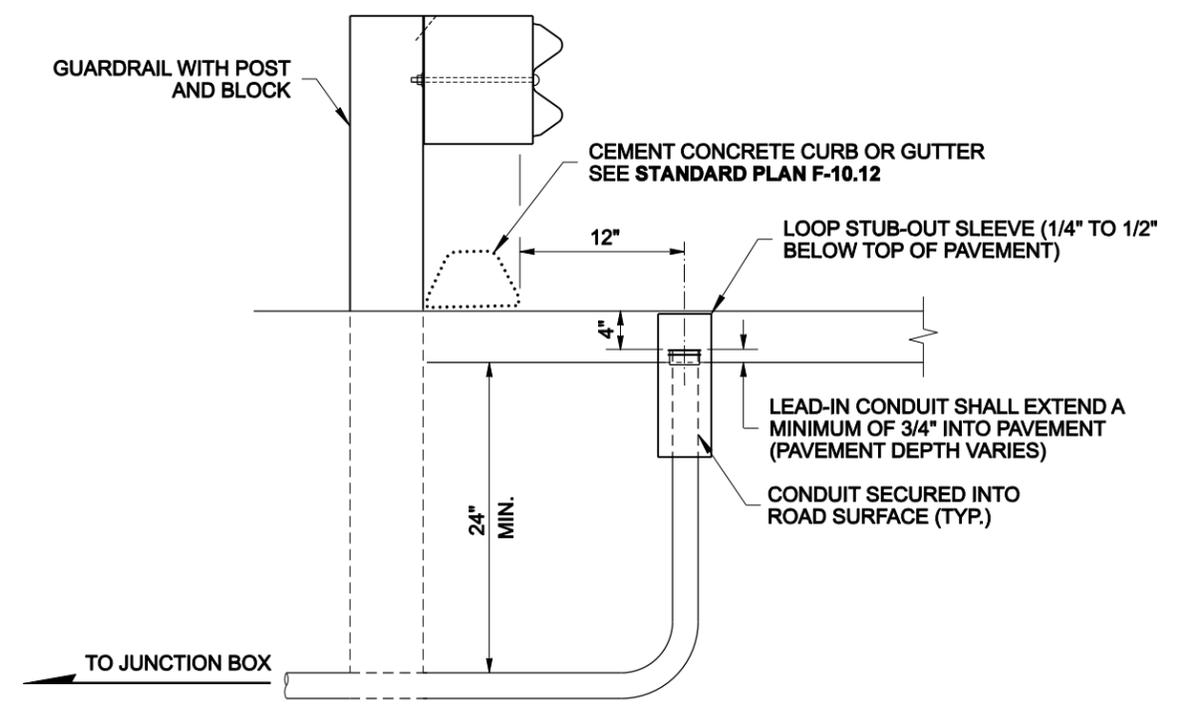
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Washington State Department of Transportation

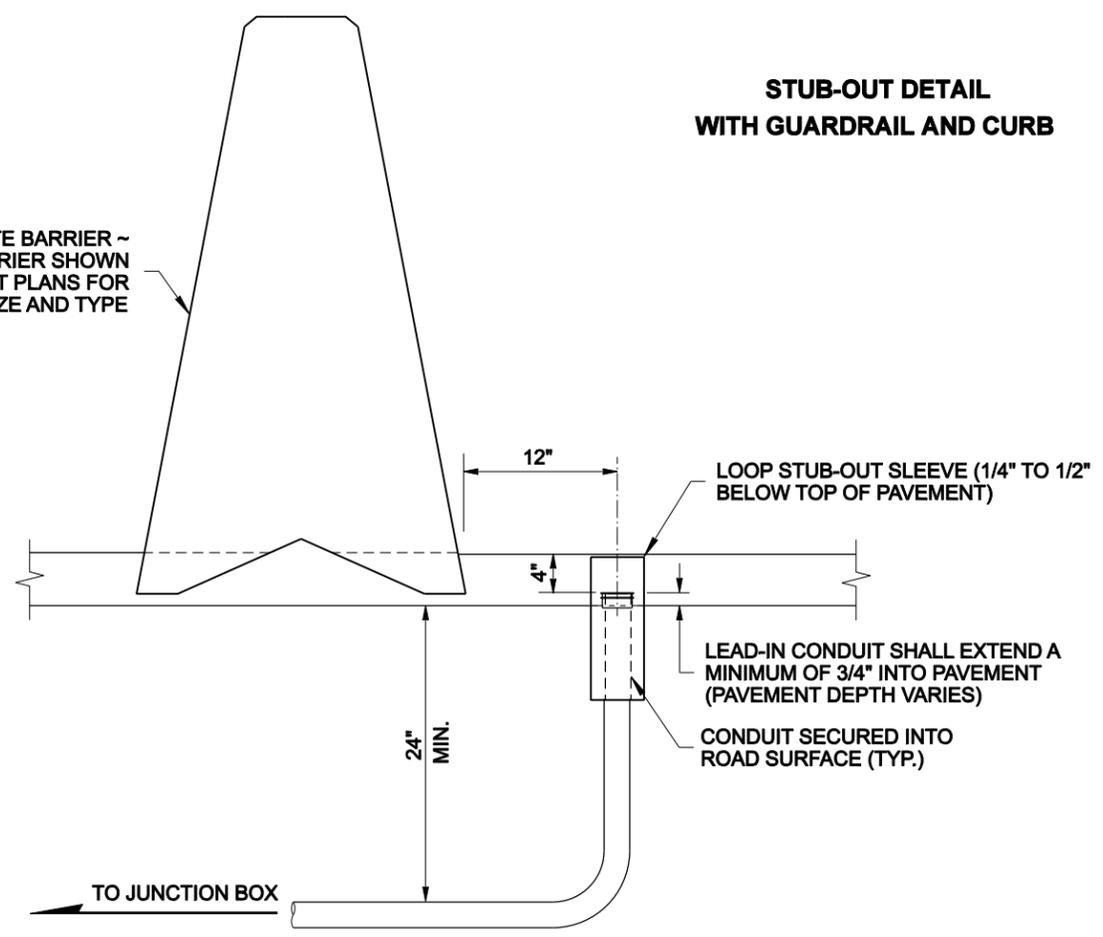


**STUB-OUT DETAIL
WITH CEMENT CONCRETE CURB OR GUTTER**

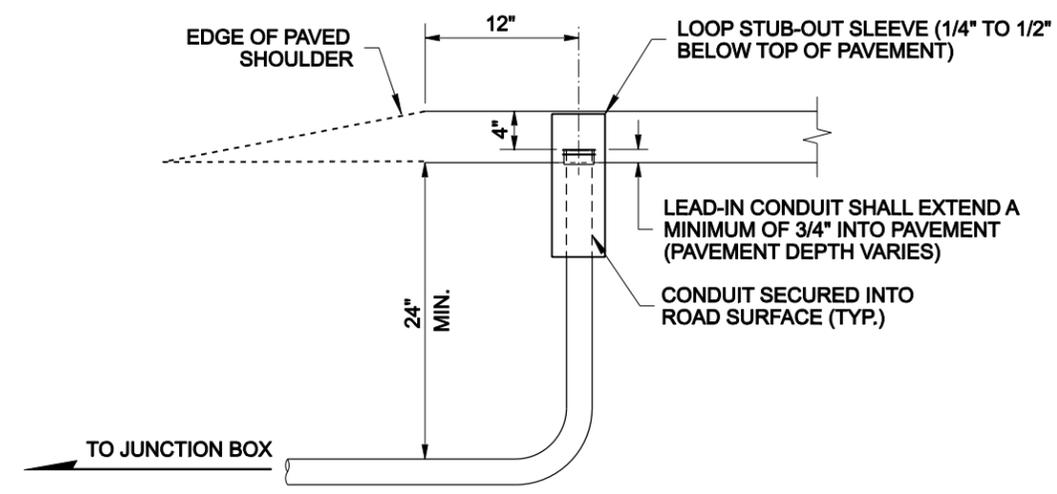


**STUB-OUT DETAIL
WITH GUARDRAIL AND CURB**

CEMENT CONCRETE BARRIER ~
SINGLE SLOPE BARRIER SHOWN
SEE CONTRACT PLANS FOR
SIZE AND TYPE



**STUB-OUT DETAIL WITH
CEMENT CONCRETE BARRIER**



**STUB-OUT DETAIL
WITH ROADWAY**

STUBOUT CONDUIT PLACEMENT DETAILS



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**INDUCTION LOOP DETAILS
STANDARD PLAN J-50.15-00**

SHEET 3 OF 3 SHEETS

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