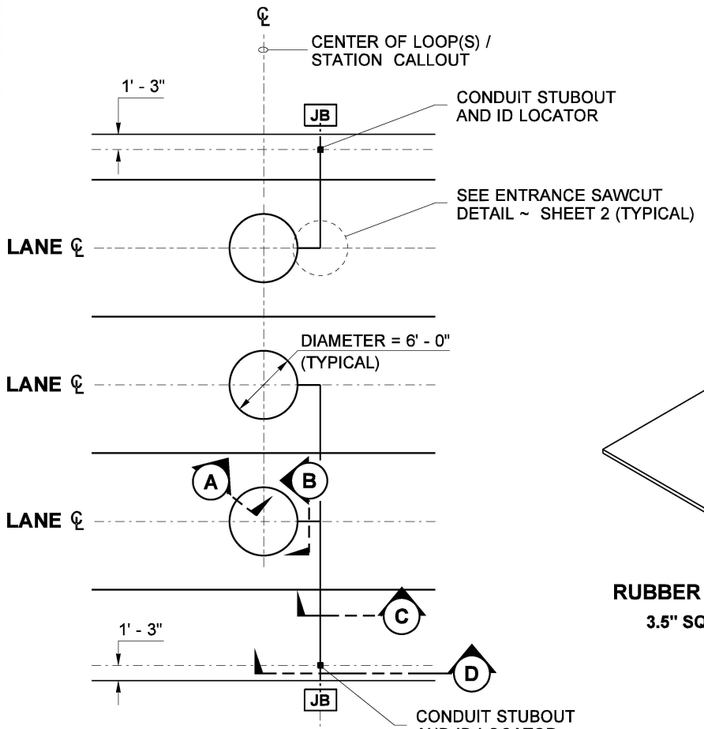
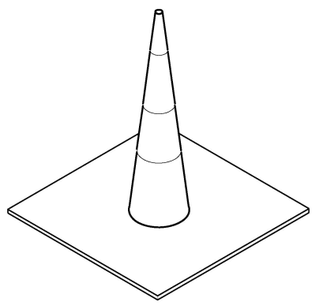
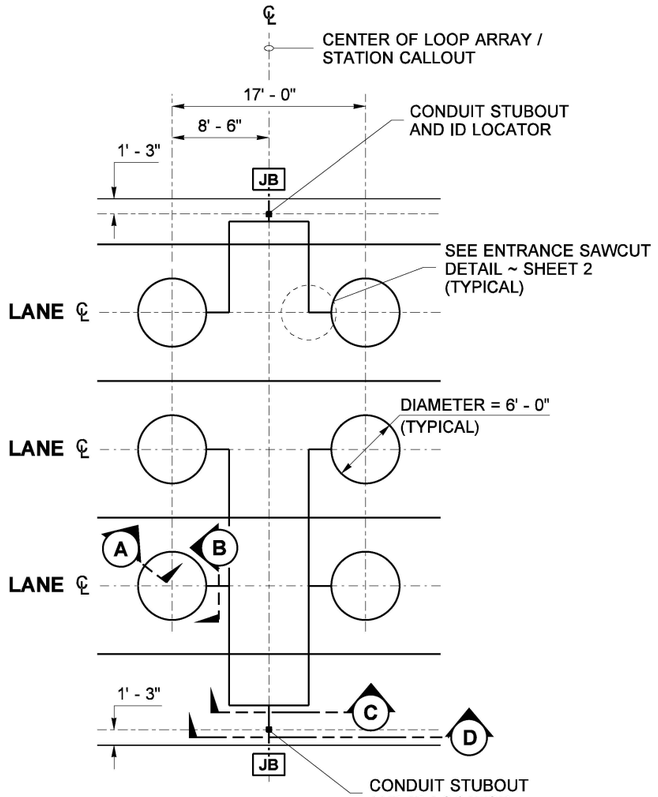
DRAWN BY: BILL BERENS



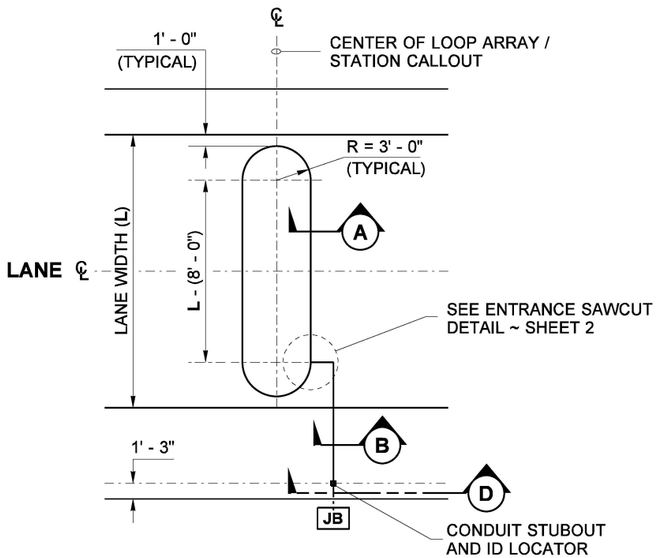

**TYPE R1**
(THREE TYPE R1 LOOPS SHOWN)



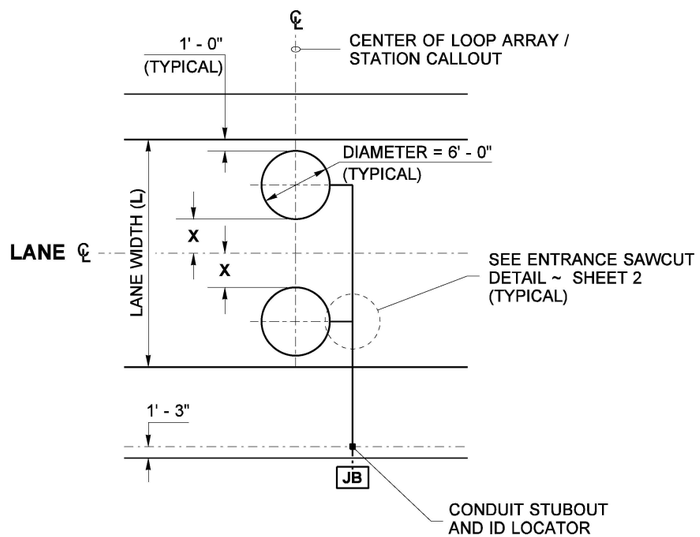
**RUBBER LOOP ID LOCATER**
**3.5" SQUARE X 4" TALL**




**TYPE R1S**
**SPEED LOOPS**
(THREE SETS OF TYPE R1S LOOPS SHOWN)

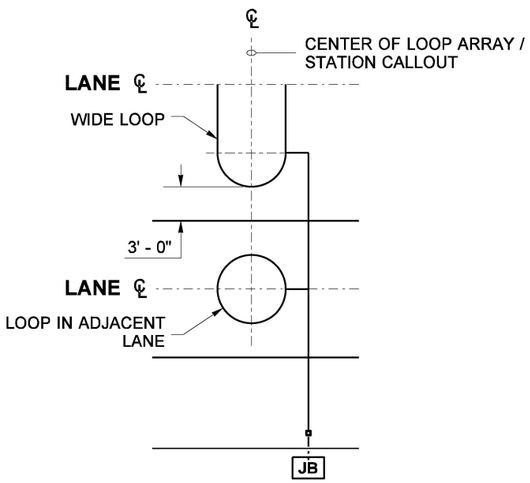



**TYPE R1W**
(SINGLE LANE ONLY)




**TYPE R1WA**
L = 20' - 0" MAX.
X = 3' - 0" MAX.

**WIDE SINGLE LANE**




**TYPE R1W - ADJACENT LANE ADJUSTMENT**
(SEE NOTE 5)

**WIDE MULTI-LANE**

**NOTES**

1. For an odd number of lanes, the higher number of loops shall be cut to the right side of the roadway (example: 1 left and 2 right), unless the left-most lane is an HOV lane, in which case the higher number of loops shall be cut to the left side of the roadway.
2. Square loops may be used in place of round loops - see **Standard Plan J-50.11** for square saw cut details.
3. For installation Notes and Details, see **Standard Plan J-50.15.**
4. For Sections A, B, C or D, see **Standard Plan J-50.15.**
5. Lanes 12 feet wide and narrower shall use standard 6 foot round or square loops. For lanes that are wider than 12 feet, wide loops shall be used as shown in the Type R1W detail. Wide loops may use the Type R1WA alternate configuration where allowed.
6. Where a Type R1W (or R1WA) loop is installed in a lane that is adjacent to another lane with a loop installed, the edge of the R1W loop must be shifted to be 3 feet away from the adjacent lane.
7. Distance to passage loop shall be 7 ft where Type RM Signal Standards are used, and 13 ft where Type II Signal Standards are used.
8. Loop wiring shall be in accordance with **Standard Plan J-50.19**.

WILLIAM FLINT JACKSON
STATE OF WASHINGTON
48821
REGISTERED
PROFESSIONAL ENGINEER

Aug 30, 2022

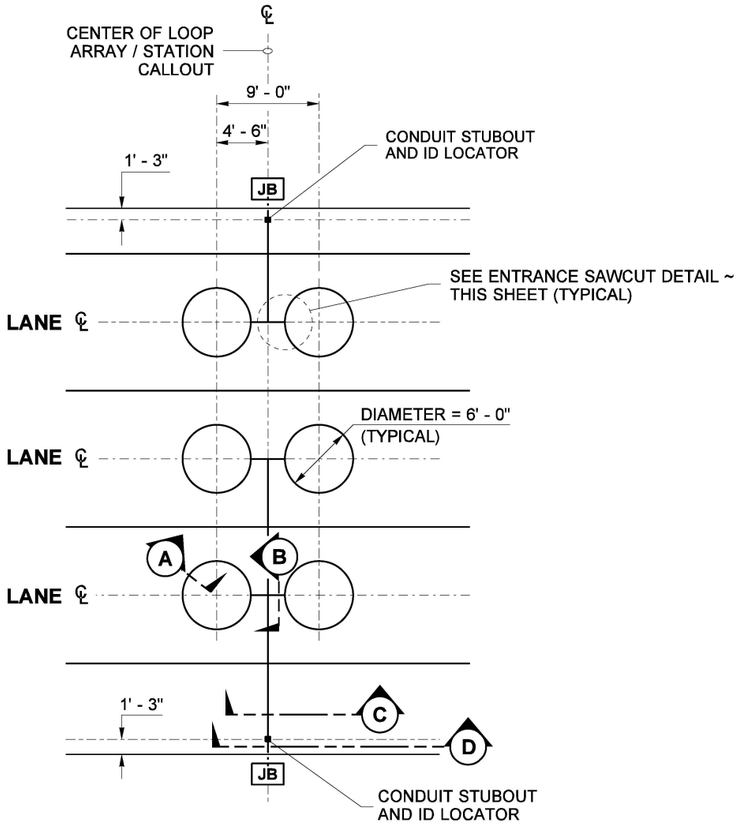
# METERING AND DATA INDUCTION LOOPS

# STANDARD PLAN J-50.13-01

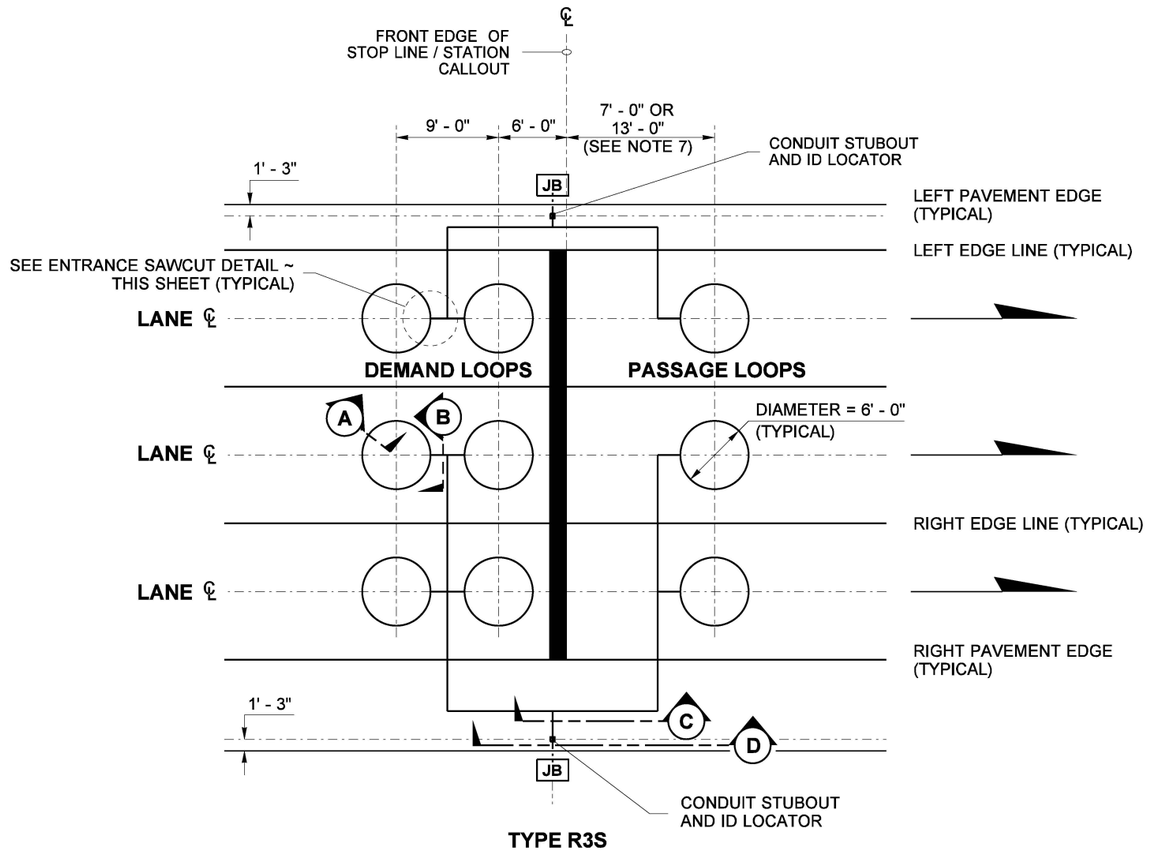
SHEET 1 OF 2 SHEETS

APPROVED FOR PUBLICATION
Mark Gaines
Mark Gaines (Aug 30, 2022 11:25 PDT)
Aug 30, 2022
STATE DESIGN ENGINEER
Washington State Department of Transportation

DRAWN BY: BILL BERENS

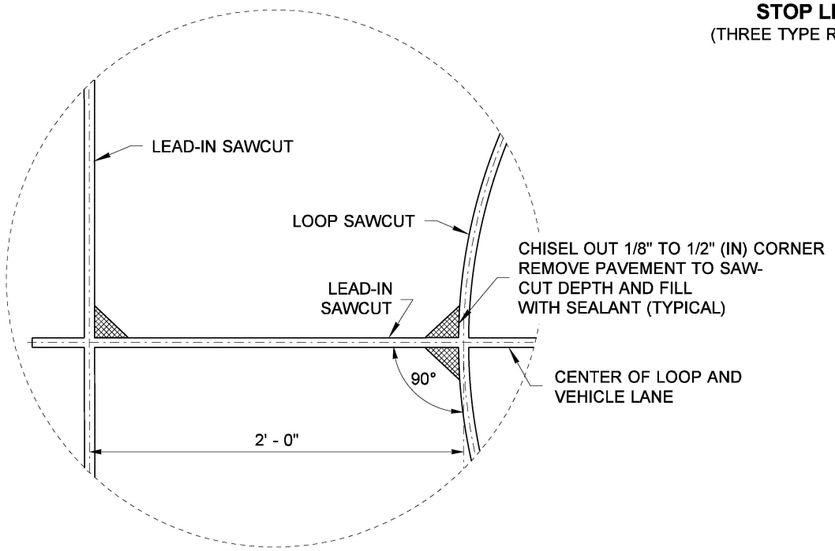



**TYPE R2**
(THREE SETS OF TYPE R2 LOOPS SHOWN)




**TYPE R3S**

**STOP LINE LOOP ARRAY**
(THREE TYPE R3S LOOP ARRAYS SHOWN)




**ENTRANCE SAWCUT DETAIL**

Aug 30, 2022

# METERING AND DATA INDUCTION LOOPS

## STANDARD PLAN J-50.13-01

SHEET 2 OF 2 SHEETS

APPROVED FOR PUBLICATION

Mark Gaines
Mark Gaines (Aug 30, 2022 11:25 PDT)

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