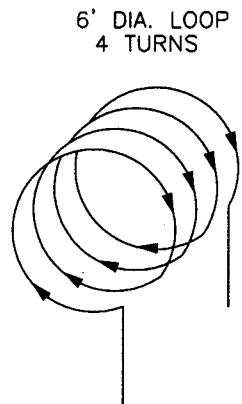


**1/4" SAWCUT**  
TYPICAL

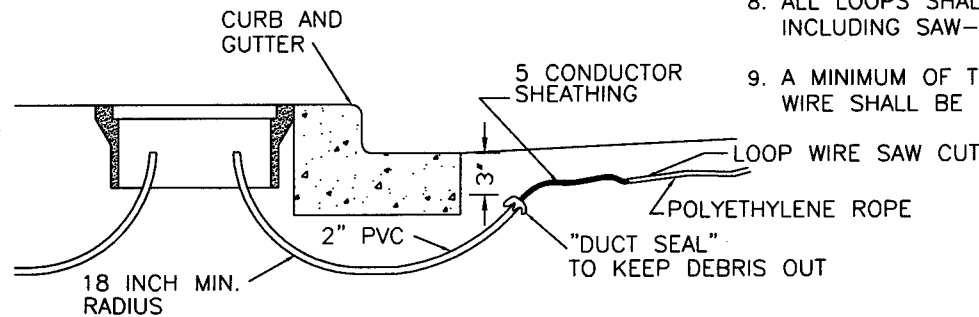
**3/8" SAWCUT**  
AS NOTED ON PLANS

**NOTES:**

- ① SEALANT - CRAFTCO 34271 OR EQUAL TO WITHIN 1/4 INCH OF THE SAWCUT. DO NOT OVERFILL.
- ② TWISTED POLYETHYLENE ROPE (SIZE FOR SNUG FIT).
- ③ LOOP WIRE #12 USE STRANDED COPPER CONDUCTOR (SEE LOOP WINDING DETAIL) OR LEAD-IN WIRES #18 STRANDED TINNED COPPER CONDUCTOR: ONE PAIR FOR EACH LOOP SERVED, 2 PAIRS MAX. PER SAWCUT.



**LOOP WINDING DETAILS**



**TYPICAL CONDUIT PLACEMENT FOR LOOP LEAD-IN WIRES**

**CONSTRUCTION NOTES:**

1. CHANGE FROM 2 INCH CUT TO APPROXIMATELY A 4 INCH CUT AT ABOUT 12 INCHES FROM CURB.
2. LEAD-IN CUT SHALL BE THE SAME AS LOOP CUT EXCEPT AS INDICATED ON THE PLANS. IN THE LAST 12 TO 18 INCHES FROM THE GUTTER SECTION THE CUT SHALL GRADUALLY TRANSITION TO A FULL DEPTH CUT WHERE THE CONDUIT STUBS OUT UNDER THE CURB AND GUTTER. THIS WILL ALLOW THE LEAD-IN WIRE TO EXIT THE CONDUIT AND ENTER THE SAW CUT WITH NO SHARP EDGES.
3. METHOD SAME FOR CONCRETE OR ASPHALT PAVEMENTS.
4. INSTALL 5 CONDUCTOR CABLE SHEATHING OVER INDIVIDUAL PAIRS. EXTEND 6 INCHES INTO SAWCUTS AND 6 INCHES INTO CONDUIT. LEAVE SLACK AS DIRECTED BY ENGINEER.
5. ALL SAWCUTS SHALL BE CLEANED WITH A HIGH PRESSURE WASHER AND DRIED WITH 100 PSI MINIMUM AIR PRESSURE. ALL WASH WATER AND SLURRY SHALL BE VACCUMED UP AND PROHIBITED FROM LEAVING THE IMMEDIATE CUT AREA.
6. ONLY THOSE LOOPS THAT CAN BE COMPLETELY FINISHED, HAVING LOOP WIRE, ROPE AND SEALANT INSTALLED, IN ONE WORKING DAY, SHALL BE SAW-CUT IN THAT WORKING DAY. NO CONTINUOUS TRAFFIC SHALL BE ALLOWED TO TRAVEL OVER OPEN SAW-CUTS BEFORE LOOP WIRE, ROPE AND SEALANT HAVE BEEN INSTALLED. ALL ROADWAY SURFACES SHALL BE THOROUGHLY CLEANED UPON COMPLETION OF ANY LOOP WORK.
7. LOOP SPlicing PROCEDURE SHALL BE TO TWIST THE WIRE, SOLDER IT, WRAP WITH ELECTRICIAN'S TAPE TO 4 INCHES PAST THE SPlice EACH WAY, AND COAT WITH MOISTURE-RESISTANT VARNISH. LOOP SPlicing SHALL BE PERFORMED BY CITY OF TACOMA CREWS.
8. ALL LOOPS SHALL BE COMPLETELY INSTALLED BY THE CONTRACTOR INCLUDING SAW-CUTTING, LAYING WIRE, TESTING AND SEALANT.
9. A MINIMUM OF THREE (3) FEET OF SLACK LOOP WIRE OR LEAD-IN WIRE SHALL BE LEFT AT JUNCTION BOX.

APPROVED FOR PUBLICATION

CITY OF TACOMA  
DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER

DATE

4/24/06

INDUCTION LOOP  
DETAILS

STANDARD PLAN NO. TS-11