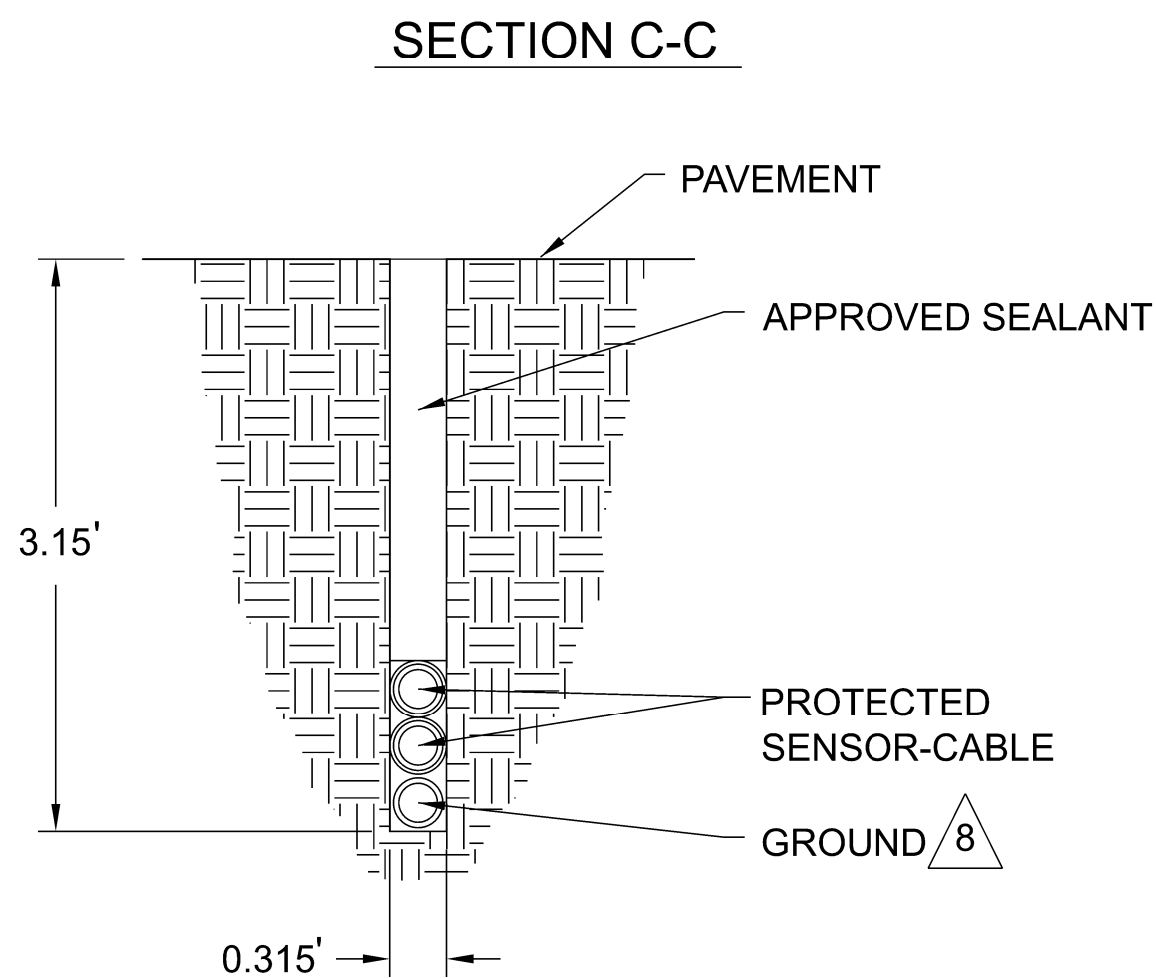
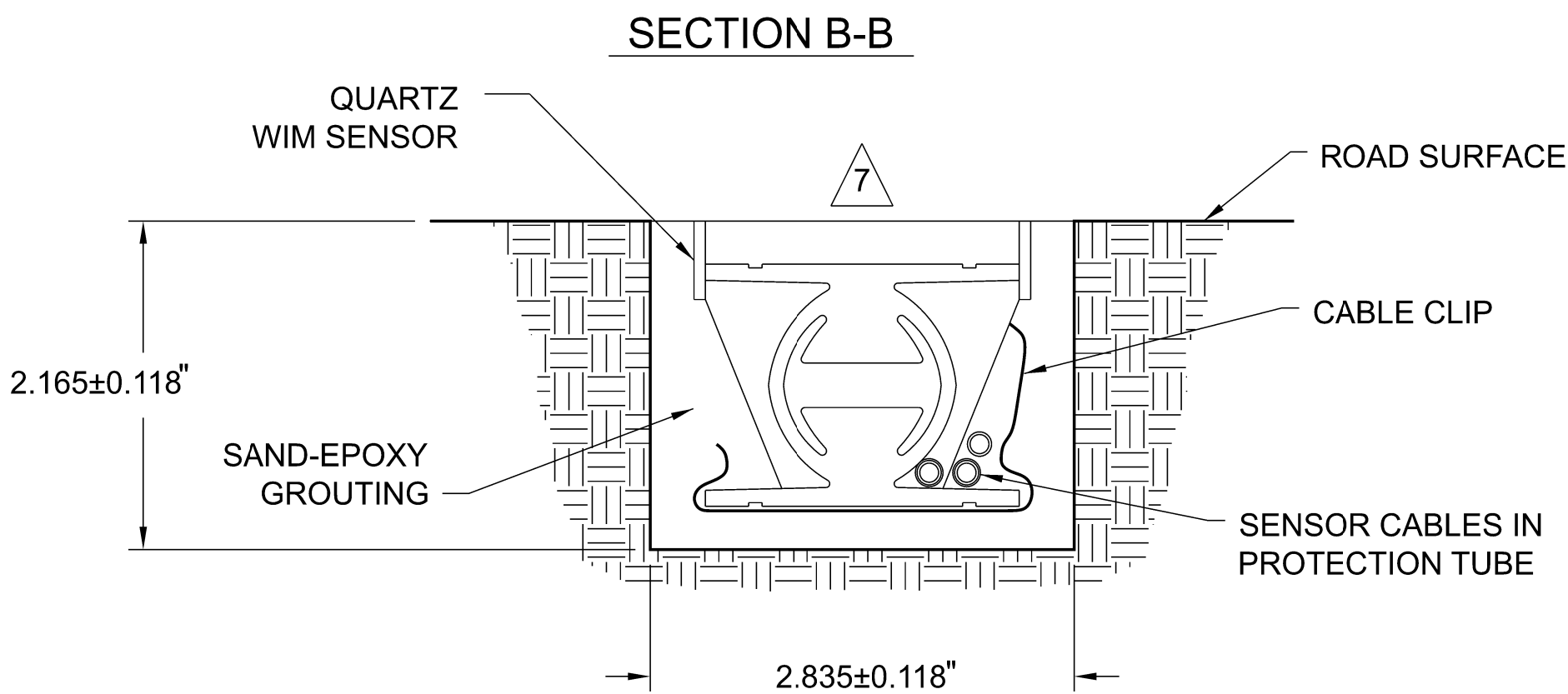
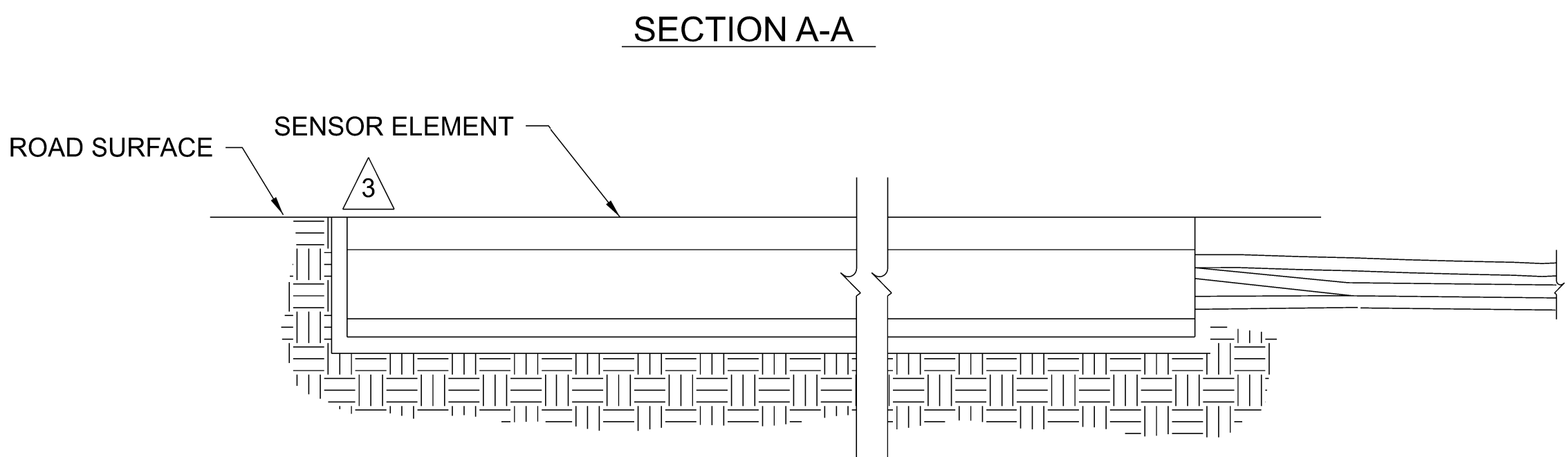
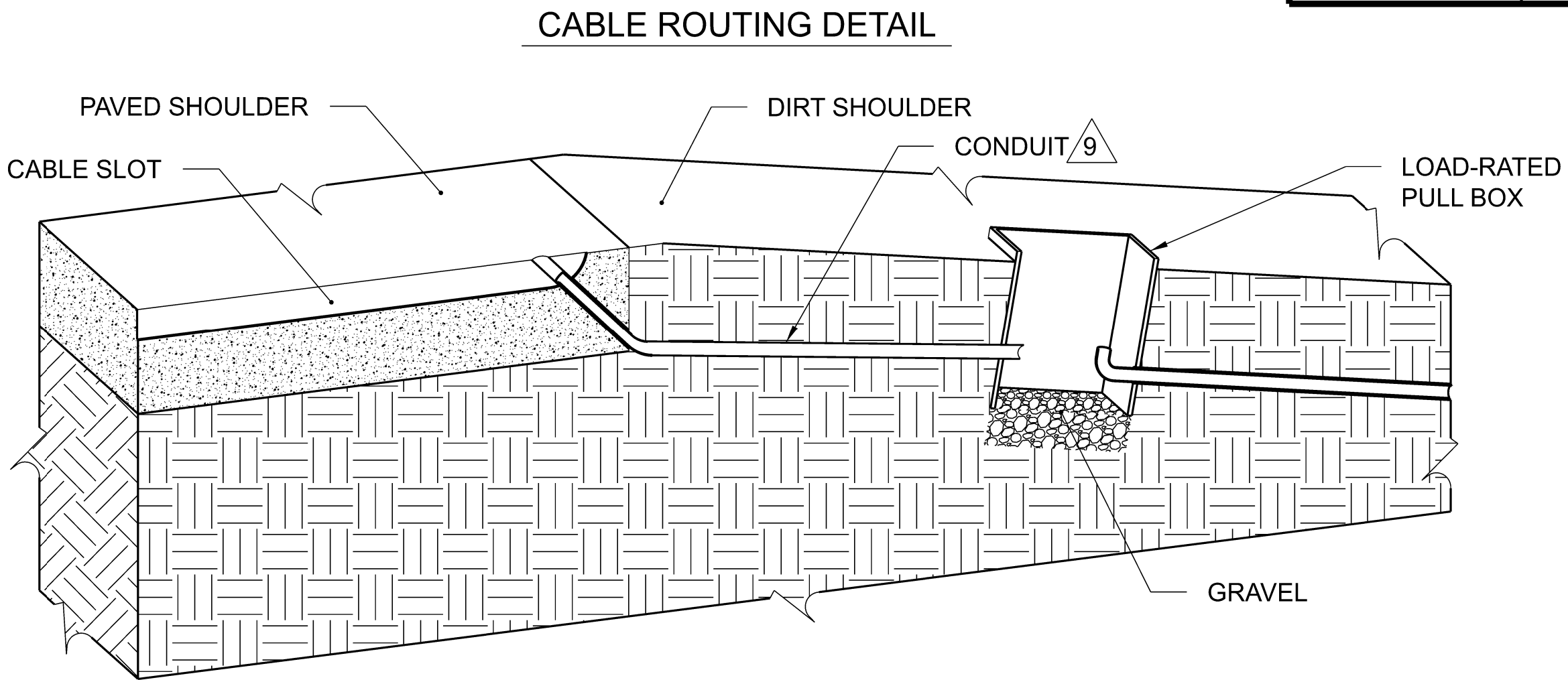
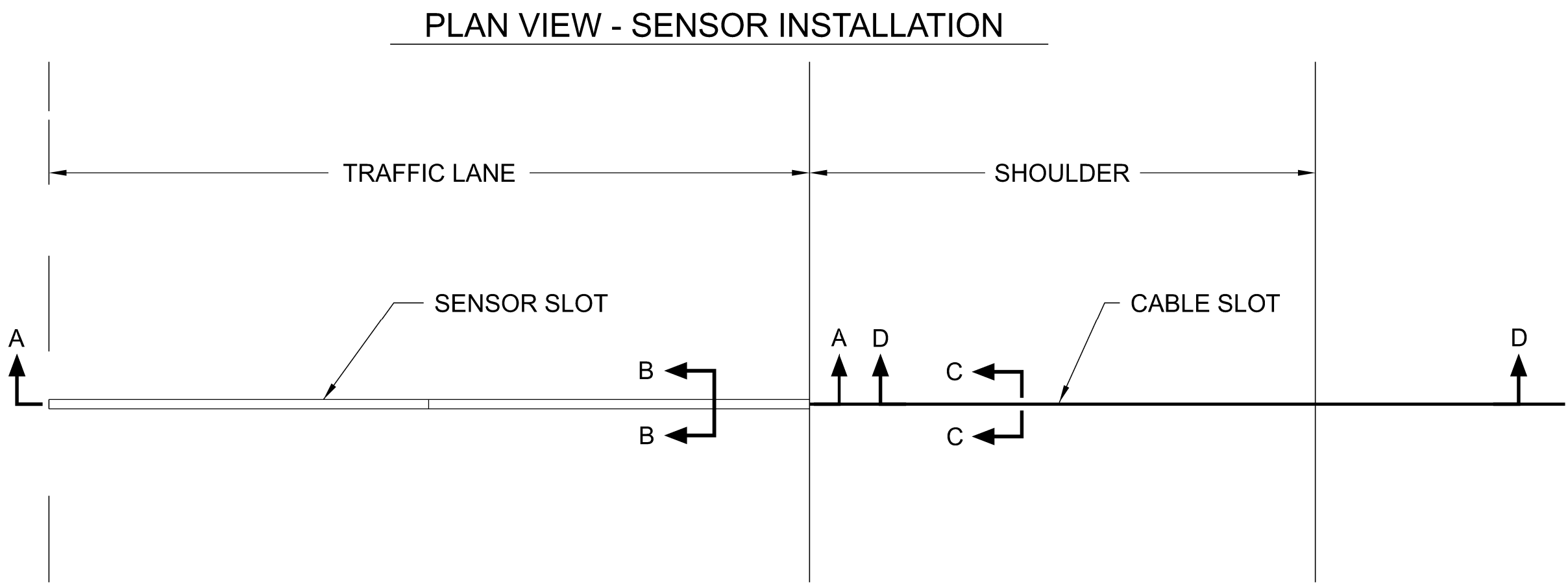
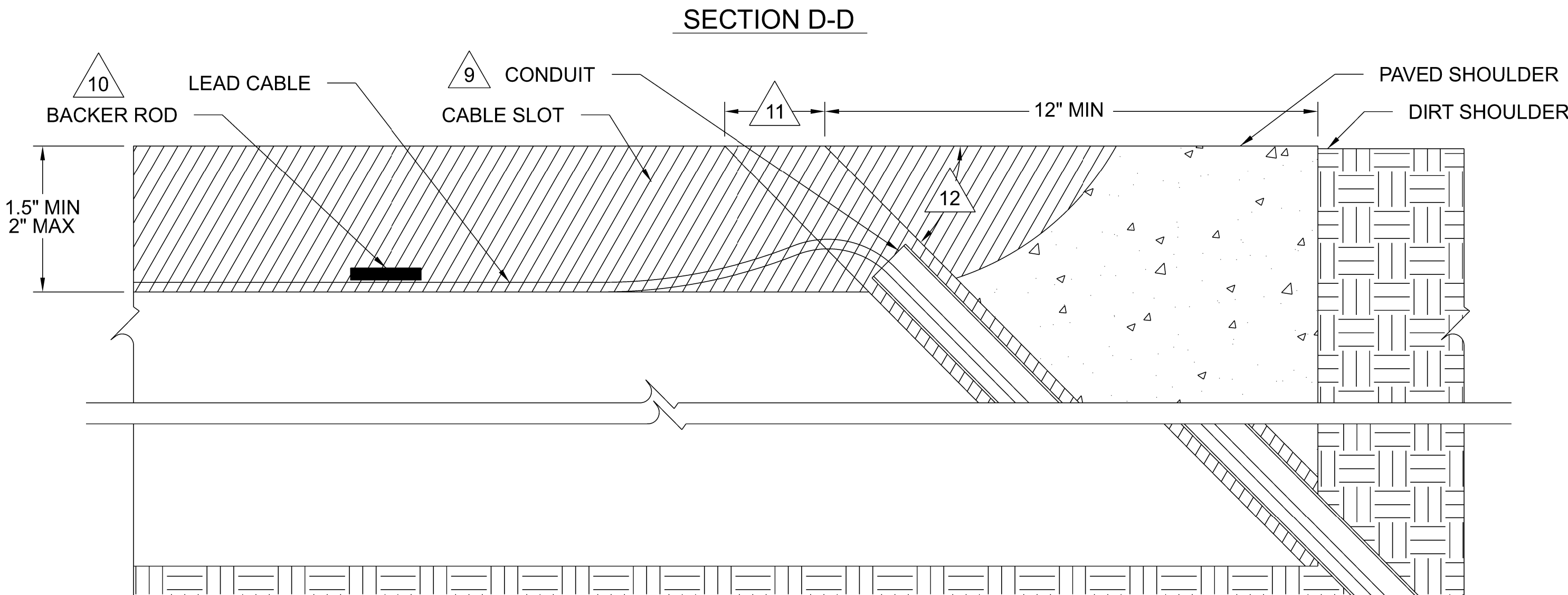




NOTES:

- 1 FOR INSTALLATION PROCESS REFER TO MANUFACTURER'S INSTALLATION MANUAL.
- 2 SLOT LENGTH IS 6" LONGER THAN SENSOR.
- 3 SET SENSOR FLUSH WITH OR SLIGHTLY HIGHER THAN ROAD SURFACE USING INCLUDED LEVELING BEAMS.
- 4 CHECK THE RESISTANCE OF THE SENSOR BY PLACING A DIGITAL MULTIMETER ACROSS THE CENTER CONDUCTOR OF THE BNC CONNECTOR AND THE OUTER BODY. THE READING SHOULD BE INFINITY.
- 5 CHECK THE VOLTAGE OUTPUT OF THE SENSOR BY MONITORING THE METER WHEN A TRUCK PASSES OVER THE SENSOR INSTALLED IN THE ROADWAY. AS THE TRUCK PASSES OVER THE SENSOR, VOLTAGE DEFLECTION SHOULD BE OBSERVED.
- 6 CRACKS OR SAW CUTS IN THE ROADWAY MUST NOT BE LOCATED CLOSER THAN 18" UPSTREAM AND 18" DOWNSTREAM OF THE SENSOR.
- 7 SENSOR MUST BE GROUND FLUSH WITH ROAD SURFACE AFTER GROUT HAS CURED.
- 8 CONNECT GROUND WIRE. IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS. OTHER END OF GROUND WIRE CONNECTS TO CABINET GROUND BUSBAR.
- 9 NON-METALLIC FLEX OR PVC CONDUIT.
- 10 INSTALL 2"-3" SECTIONS OF BACKER ROD IN THE CABLE SLOT AS NEEDED TO HOLD DOWN LEAD CABLE. USE SPARINGLY AND ONLY AS NEEDED
- 11 CORE DRILL OR CUT NOTCH IN PAVED SHOULDER FOR CONDUIT. PLUG CONDUIT OPENING WITH DUCT SEAL, COVER WITH SEALANT. DIMENSIONS OF DRILL/NOTCH AS NECESSARY FOR SIZE OF CONDUIT USED.
- 12 45° ANGLE PREFERRED. MAY VARY DEPENDENT ON SITE CONDITIONS. REFRAIN FROM UNDERCUTTING THE PAVEMENT TO EXPOSE THE CONDUIT.

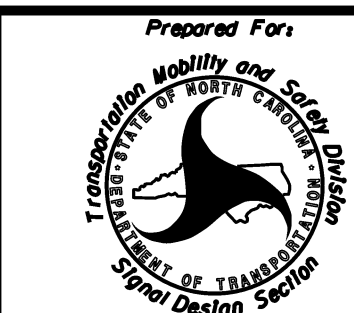


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UNLESS ALL SIGNATURES COMPLETED

Prepared in the Office of:



NC FIRM LICENSE No: P-0339
320 Executive Court
Hillsborough, NC 27278
(919) 732-3883
(919) 732-6676 (FAX)



TYPICAL INSTALLATION DETAILS-
QUARTZ SENSORS

Division 07 Orange Co. Hillsborough

PLAN DATE: SEPTEMBER 2026 REVIEWED BY: S.Yow

PREPARED BY: E. Holman REVIEWED BY:

REVISIONS INIT. DATE

NOT TO SCALE

SEAL



Signed by: Gregory A. Fuller 9/25/2026

DATE

INVENTORY NO: