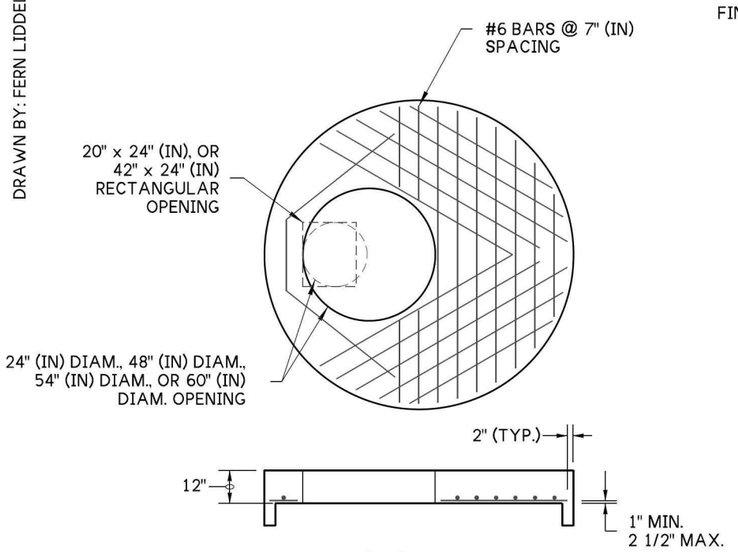
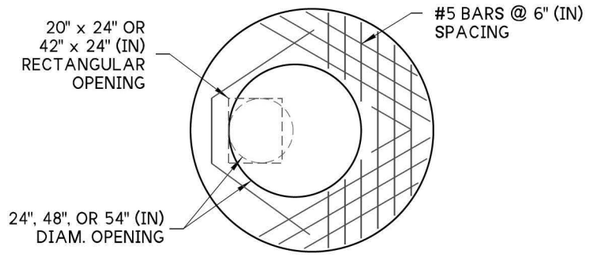
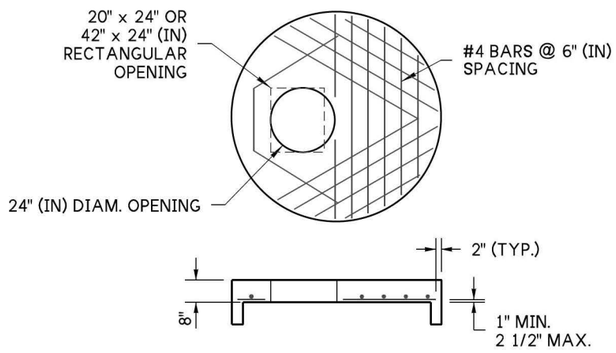
DRAWN BY: FERN LIDDELL



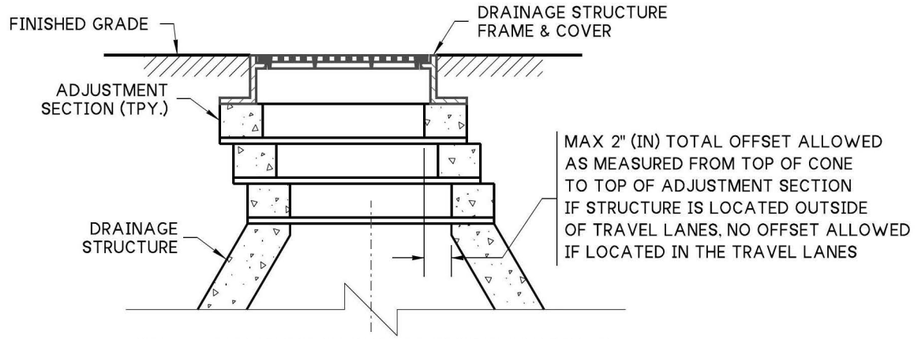
84" or 96" (IN) FLAT SLAB TOP



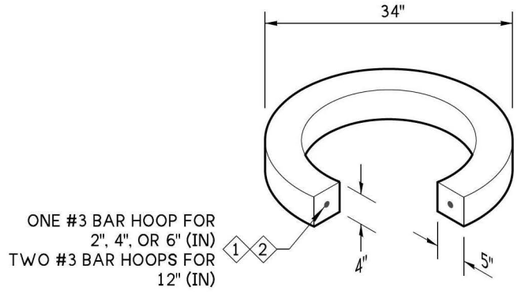
72" (IN) FLAT SLAB TOP



48", 54", or 60" (IN) FLAT SLAB TOP

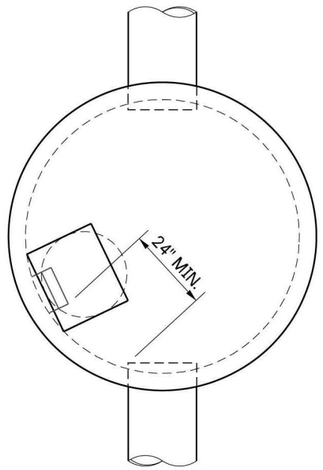


ADJUSTMENT SECTION OFFSET LIMITS

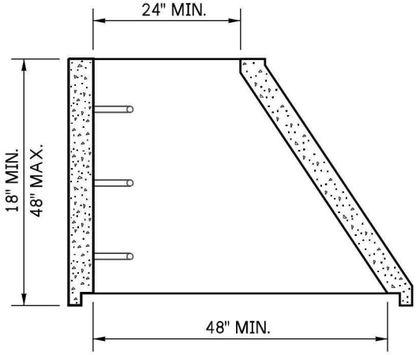


CIRCULAR ADJUSTMENT SECTION

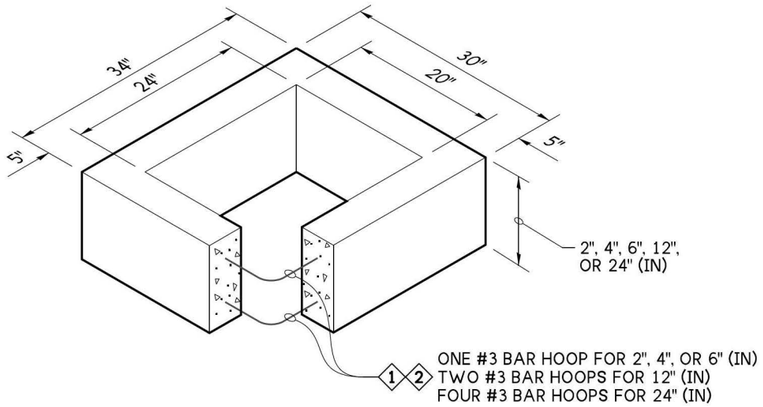
For rectangular and circular adjustment sections, approved alternate material compositions are acceptable in lieu of precast concrete designs



TYPICAL ORIENTATION FOR ACCESS AND STEPS



ECCENTRIC CONE SECTION

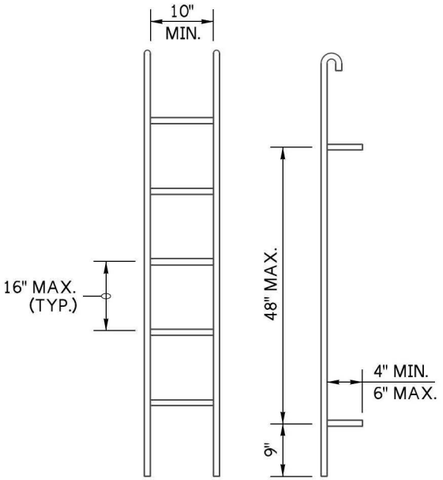


RECTANGULAR ADJUSTMENT SECTION

1. As an acceptable alternative to rebar, wire mesh having a minimum area of 0.12 square inches per foot may be used for adjustment sections.
2. As an acceptable alternative to conventional steel reinforcment, manufacturers shall use Synthetic Structural Fibers meeting the requirements of **Standard Specification Section 9-05.50(10)**.

NOTE

1. Ladder rungs for manholes and catch basins shall meet the requirements of **AASHTO M 199.**



PREFABRICATED LADDER

STEP

Aug 22, 2026

MISCELANEOUS DETAILS FOR DRAINAGE STRUCTURES

STANDARD PLAN B-30.90-03

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Aug 24, 2026

STATE DESIGN ENGINEER

Washington State Department of Transportation