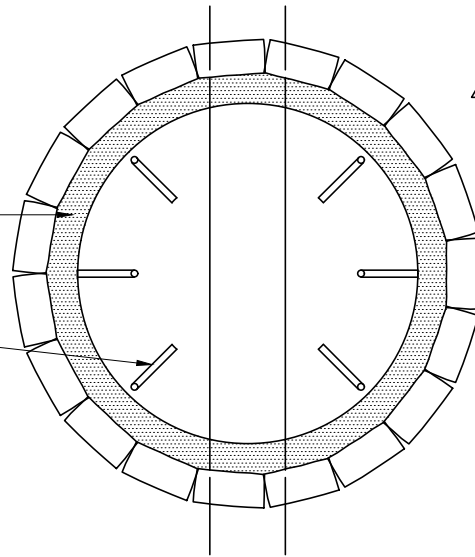


NOTES:

1. TAPERED RUBBER ADJUSTMENT RISER RINGS ARE REQUIRED ON CATCH BASIN'S AND MANHOLES THAT ARE OFFSET FROM THE CENTER OF THE ROAD.

SHOTCRETE LINING THICKNESS OF MIN. 50mm, MAX. 75mm

150mm x 150mm x 20mm THREADED L-SHAPE CONCRETE ANCHORS @ 300mm O.C. EACH WAY



EXISTING BRICK STRUCTURED MANHOLE

PLAN

C.O.S. STD. FRAME AND COVER

2-25mm RUBBER ADJUSTMENT RISER RINGS

C.O.S. STD. PRECAST CONCRETE 600mm Ø GRADE RINGS MIN. 50mm MAX. 300mm

450mm CONICAL BEV SECTION

SHOTCRETE LINING THICKNESS OF MIN. 50mm, MAX. 75mm

VARIES (900mm MIN.)

MSU NO. 350 ALUMINUM SAFETY RUNGS STAGGERED EACH SIDE MAX. 400mm O.C.

EXISTING BRICK STRUCTURED MANHOLE

PVC TROUGH SECURED TO BASE WITH MIN. 4-19mm x 75mm S.ST. STOVE BOLT CONCRETE ANCHORS

BENCHING SLOPE @ 30° ANGLE

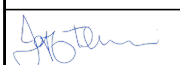
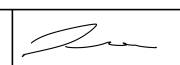
150mm x 150mm x 20mm THREADED L-SHAPE CONCRETE ANCHORS @ 300mm O.C. EACH WAY

SECTION

PLAN DESCRIPTION/REVISION	DATE	BY
1 ORIGINAL DRAWING	2006-JAN-25	HLO
2 REMOVED NOTE	2012-DEC-17	HLO
3 ADDED NOTE 1, GRADE RING MIN., AND RUBBER ADJ. RISER RINGS	2021-JAN-13	DLH



MANHOLE REHABILITATION
BASE RECONSTRUCTION WHERE THICKNESS OF CONCRETE BELOW INVERT EXCEEDS 125mm

APPROVALS	
 SIGNATURE Jeff P D Thomson NAME Jan 27, 2021 DATE SIGNED	 SIGNATURE Maciej Jurkiewicz NAME Jan 27, 2021 DATE SIGNED
SCALES: HOR. 1:20 VERT.	PLAN NO. 102-0011-016r003