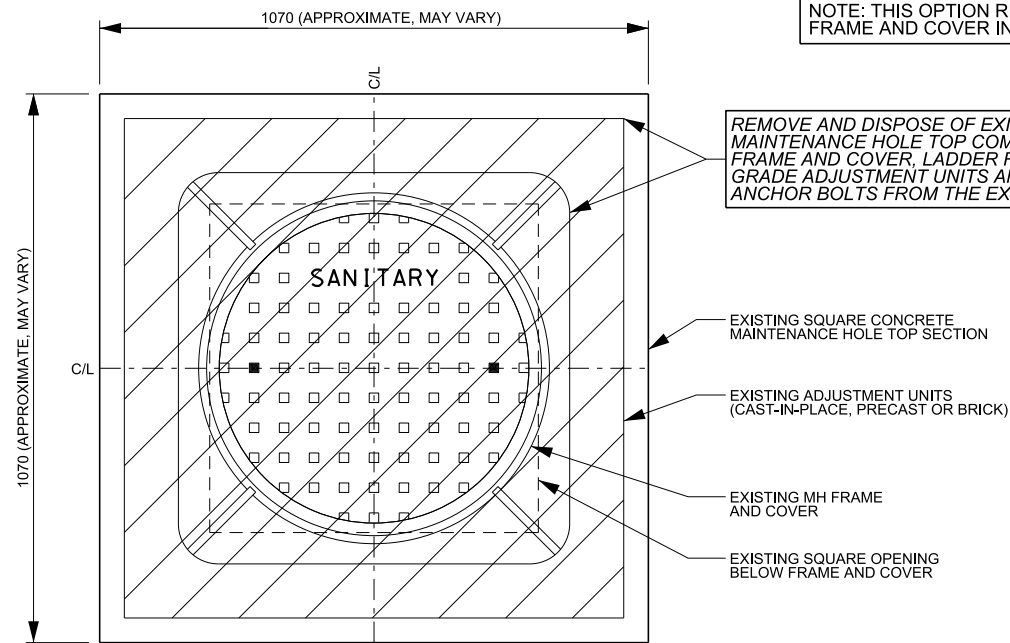
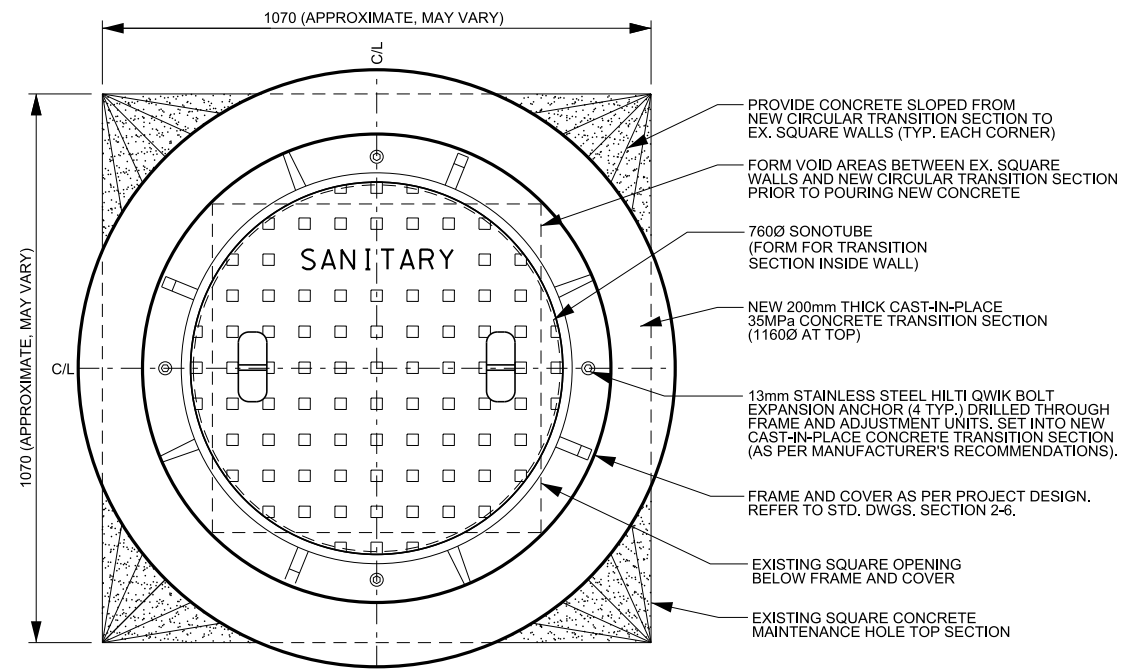


TYPICAL PLAN VIEW EXISTING CONDITIONS

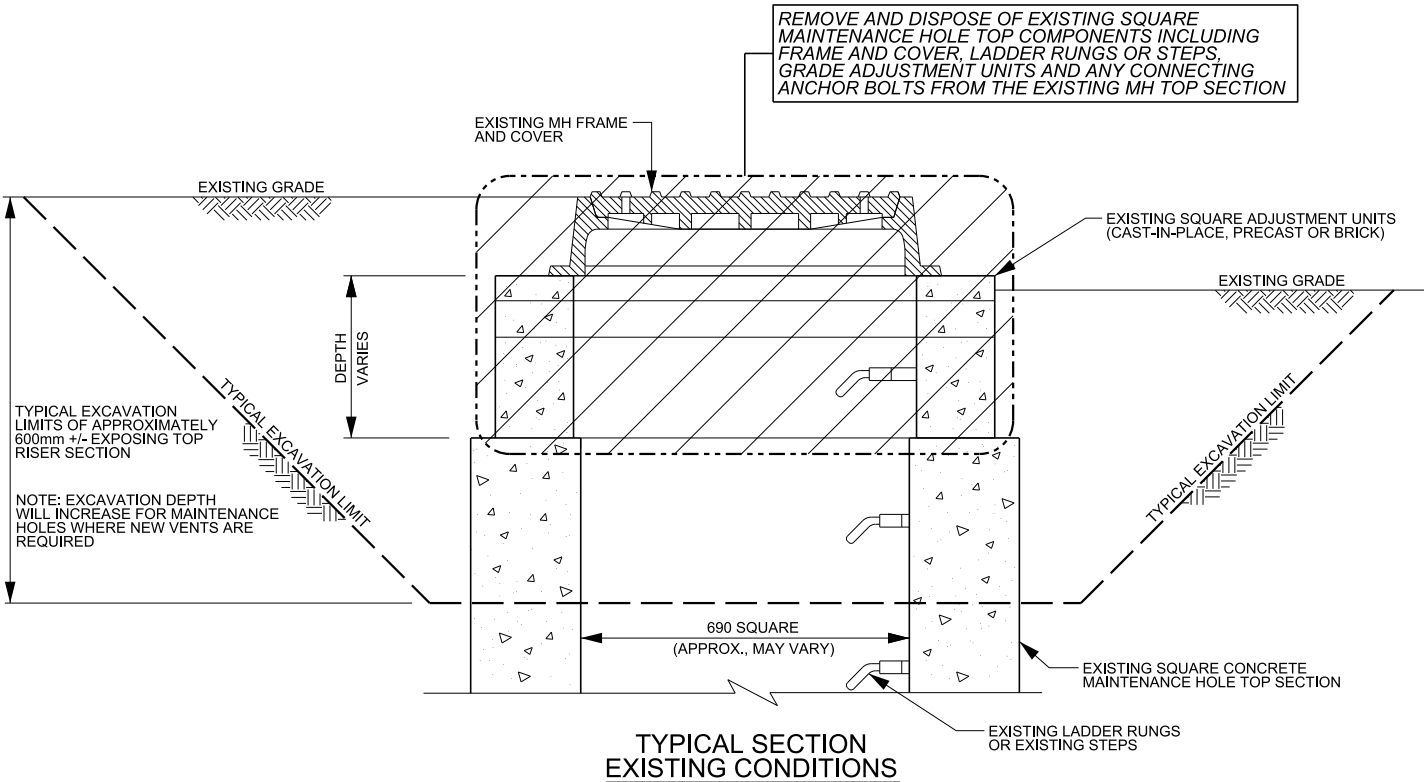


NOTE: THIS OPTION REQUIRES REMOVAL AND DISPOSAL OF EXISTING FRAME AND COVER INCLUDING EXISTING ADJUSTMENT UNITS OR BRICK

TYPICAL PLAN VIEW MODIFICATIONS

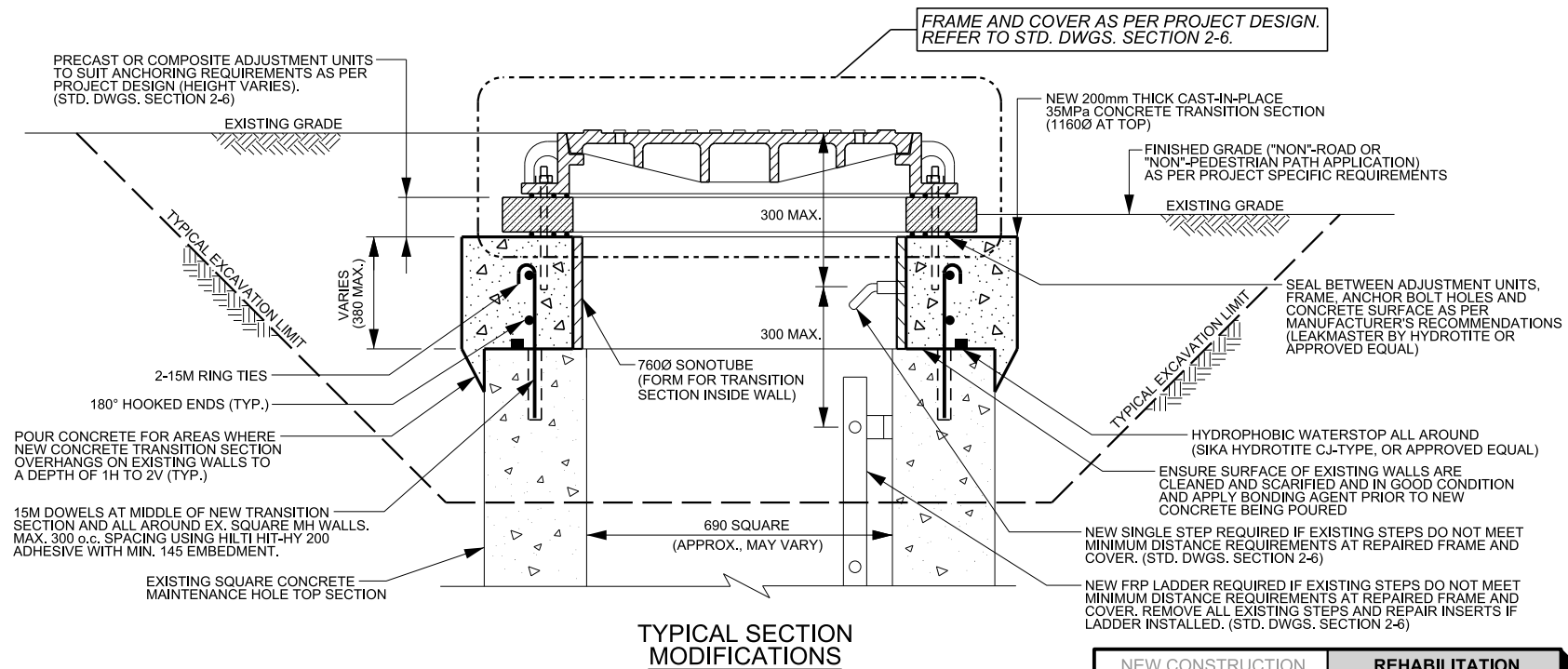


NOTE: FRAME AND COVER AS PER PROJECT SPECIFICATIONS WITH FRAME AND COVER ANCHORED TO CAST-IN-PLACE TRANSITION SECTION (REFER TO STD. DWGS. SECTION 2-6).



TYPICAL EXCAVATION LIMITS OF APPROXIMATELY 600mm +/- EXPOSING TOP RISER SECTION
NOTE: EXCAVATION DEPTH WILL INCREASE FOR MAINTENANCE HOLES WHERE NEW VENTS ARE REQUIRED

TYPICAL SECTION EXISTING CONDITIONS



POUR CONCRETE FOR AREAS WHERE NEW CONCRETE TRANSITION SECTION OVERHANGS ON EXISTING WALLS TO A DEPTH OF 1H TO 2V (TYP.)
15M DOWELS AT MIDDLE OF NEW TRANSITION SECTION AND ALL AROUND EX. SQUARE MH WALLS. MAX. 300 c.c. SPACING USING HILTI HIT-HY 200 ADHESIVE WITH MIN. 145 EMBEDMENT.

TYPICAL SECTION MODIFICATIONS

NOTE: PARTIAL FRP LADDER SECTIONS MAY BE USED TO REPLACE UPPER STEPS WITH MINIMUM 2 ANCHORING (TOP AND BOTTOM) BRACKETS AS PER FRP MANUFACTURER'S REQUIREMENTS. PARTIAL SECTIONS MUST MATCH SPACING OF EXISTING STEPS WITH A MAX. 300 DISTANCE BETWEEN STEPS TO RUNGS.

- NOTE
- REFER TO STANDARD DRAWINGS 2-8-2, 2-8-3 FOR TYPICAL REHABILITATION OPTIONS BELOW THE EXISTING MAINTENANCE HOLE TOP SECTION AND ADJUSTMENT UNITS.
 - REFER TO STANDARD DRAWING 2-8-1 FOR GENERAL NOTES PERTAINING TO REHABILITATION OF MAINTENANCE HOLES.
 - REFER TO STANDARD DRAWING 2-8-4, 2-8-5 AND 2-6-6 FOR TYPICAL COMPOSITE FRAME AND COVER AND ADJUSTMENT UNIT DETAILS.
 - SUBMIT SHOP DRAWINGS TO THE CONTRACT ADMINISTRATOR FOR REVIEW AND COMMENT. ALL DRAWINGS SHALL BEAR THE SIGNATURE AND SEAL OF A PROFESSIONAL ENGINEER LICENSED TO PRACTISE IN ONTARIO.
 - FOR MAINTENANCE HOLES IN FLOODPLAINS OR EASEMENTS WITH WATERTIGHT COVERS ON 3 OR MORE ADJACENT CHAMBERS, VENTS WILL BE REQUIRED EVERY THIRD MAINTENANCE HOLE (STD. DWG. 2-5-22).



PUBLIC WORKS STANDARD DRAWING

REHABILITATION
CAST-IN-PLACE TRANSITION SECTION
FROM EXISTING SQUARE MAINTENANCE HOLE TO
CIRCULAR SECTION WITH FRAME AND COVER REPLACEMENT

NEW CONSTRUCTION		REHABILITATION
FULL EXCAVATION	PARTIAL EXCAVATION	NO EXCAVATION
INTERNAL		EXTERNAL
ROW	FLOOD PLAIN	EASEMENT
I/I	H2S	SECURITY

REV. DATE: NOVEMBER 2019	
REVISION NUMBER: 1	FOR REVISION TRACKING REFER TO STD. DWG. 2-0-2
APPROVED BY	DRAWN BY
A.P.	AINLEY GROUP
STD. DWG. NUMBER	SCALE
2-8-11	N.T.S.