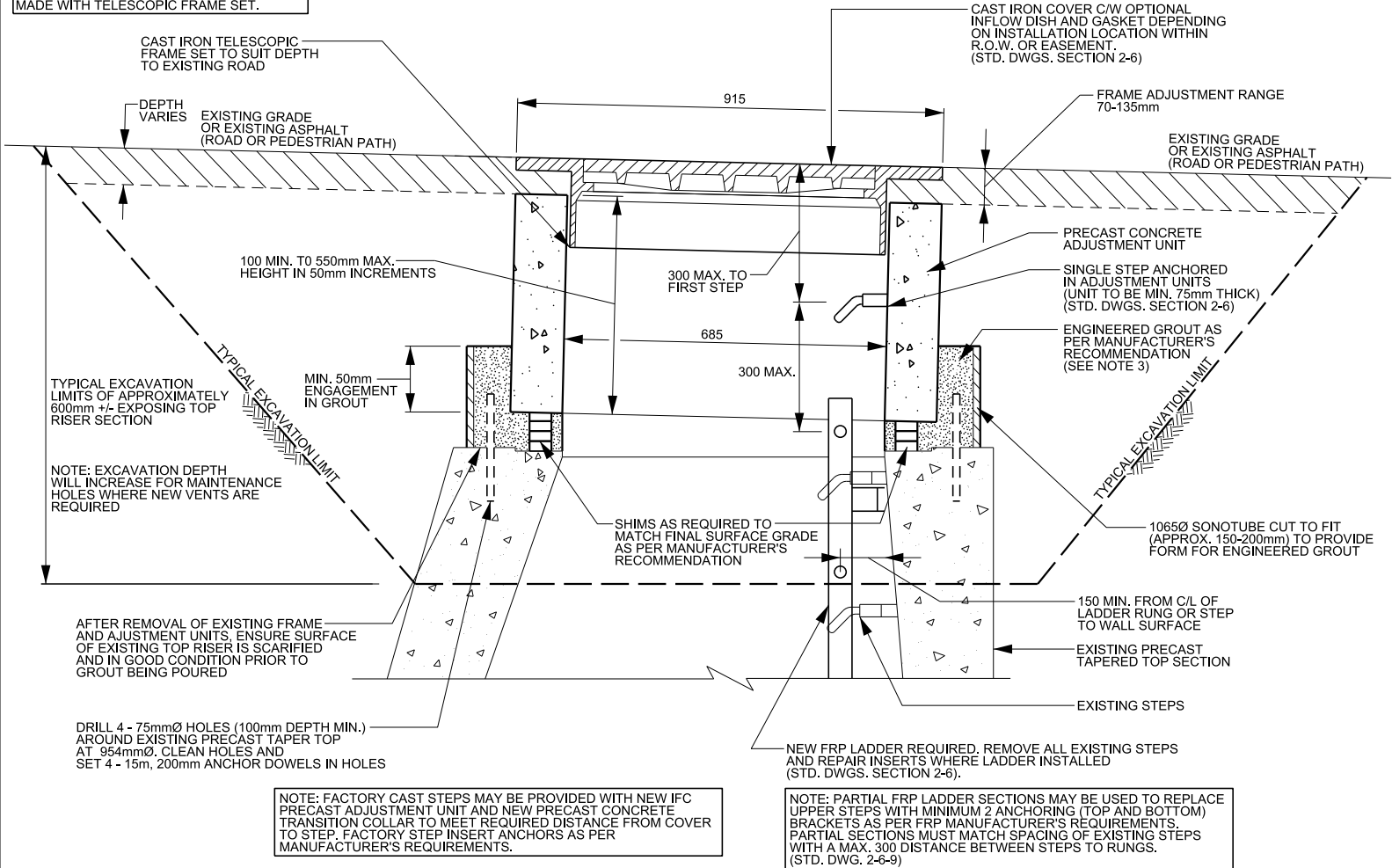


**NOTE:**

1. THIS FRAME AND COVER SYSTEM FOR USE WITHIN PAVED PORTION OF ROW AND PAVED SURFACES ONLY.
2. THIS FRAME AND COVER SYSTEM IS NOT PERMITTED FOR USE IN ARTERIAL OR COLLECTOR ROADWAYS.
3. THE REGION APPROVES THE USE OF INTEGRATED FRAME AND COVER SYSTEM WITHIN THE MUNICIPAL RIGHTS OF WAY WHERE MUNICIPALITIES HAVE PROVIDED FORMAL ACCEPTANCE AND APPROVAL ONLY.

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

NOTE: THE INTEGRATED SYSTEM MUST BE GROUTED IN POSITION TO MATCH ROAD GRADE ANGLE. FINAL HEIGHT ADJUSTMENT MADE WITH TELESCOPIC FRAME SET.



**OPTION FOR REPLACEMENT WITH NEW INTEGRATED FRAME AND COVER SYSTEM ON TOP OF EXISTING M.H. RISER**

**NOTE**

1. REFER TO STANDARD DRAWINGS 2-8-2, 2-8-3 FOR TYPICAL REHABILITATION OPTIONS BELOW THE EXISTING MAINTENANCE HOLE TOP SECTION AND ADJUSTMENT UNITS.
2. REFER TO STANDARD DRAWING 2-8-1 FOR GENERAL NOTES PERTAINING TO REHABILITATION OF MAINTENANCE HOLES.
3. GROUT REQUIREMENTS: NON-SHRINK, MINIMUM 50 MPa AT 28 DAYS, TO BE INSTALLED ONLY AS PER MANUFACTURER'S APPLICATION GUIDELINES.

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



**PUBLIC WORKS  
STANDARD DRAWING**

REV. DATE: AUGUST 2020

REVISION NUMBER: 2 FOR REVISION TRACKING REFER TO STD. DWG. 2-0-2

APPROVED BY: A.P. DRAWN BY: AINLEY GROUP

STD. DWG. NUMBER: 2-8-7 SCALE: N.T.S.

**REHABILITATION  
INTEGRATED FRAME AND COVER SYSTEM  
WITH EXCAVATION TO M.H. TOP RISER SECTION**