



- NOTE**
1. REFER TO STANDARD DRAWING 2-5-1, 2-7-1 AND 2-8-1 FOR GENERAL NOTES PERTAINING TO PRECAST MAINTENANCE HOLES.
 2. ALL BOLTS, NUTS AND WASHERS SHALL BE 316 STAINLESS STEEL UNLESS OTHERWISE NOTED IN PROJECT DESIGN.
 3. ALL BRACKETS, BARS, RUNGS AND STRINGERS SHALL BE FABRICATED FROM 6000 SERIES STRUCTURAL ALUMINUM.
 4. ALL WELDING SHALL BE ACCORDING TO CSA W47.2 AND W59.2.
 5. ALL ALUMINUM IN CONTACT WITH CONCRETE SHALL RECEIVE TWO COATS OF BITUMINOUS PAINT.
 6. 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.
 7. ALL LADDER RUNGS TO BE PROVIDED WITH NON-SLIP FINISH.
 8. LADDERS TO BE USED IN NEW CONSTRUCTION. FOR REHABILITATION, IF 25% OR MORE OF EXISTING STEPS NEED TO BE REPLACED, THEN REMAINING STEPS SHALL BE PROPERLY REMOVED AND REPLACED WITH LADDER.

NOTE: THIS DRAWING IS BASED ON OPSD 406.010 AND SHOULD BE READ IN CONJUNCTION WITH ALL APPLICABLE ASSOCIATED OPSD DRAWINGS AND REVISIONS.

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



**PUBLIC WORKS
STANDARD DRAWING**

**MAINTENANCE HOLE APPURTENANCES
ALUMINUM LADDER DETAILS**

REV. DATE: NOVEMBER 2019	
REVISION NUMBER: 1	FOR REVISION TRACKING REFER TO STD. DWG. 2-0-2
APPROVED BY A.P.	DRAWN BY AINLEY GROUP
STD. DWG. NUMBER 2-6-10	SCALE N.T.S.