



CDS PMSU020-6-C DESIGN NOTES	
<p>1. SEE DETAIL FOR HYDRANTS IN DITCH AREAS</p> <p>2. FOR WATERMANS WITH HOLE LOCATED WITHIN 1.0m OF CENTRAL LINE, RETAINING STRAPPING DEVICES TO BE UTILIZED FOR WATERMANS 600mm AND OVER. BOLT VALVE WITH FLANGED END DIRECTLY TO FLANGED TEE</p> <p>3. HYDRANT BREAKAWAY FLANGE ELEVATION TO BE ESTABLISHED PRIOR TO INSTALLATION. REFER TO MW-16 AND 44H4</p> <p>4. SEE OPSD 701.030 FOR ALL MEASUREMENTS IN THIS AREA</p> <p>5. ALL MEASUREMENTS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED</p> <p>6. ALL 150mm WATERMANS USE A 150mm TANGENTIAL TEE WITH THE 150mm OULET ON TOP</p> <p>7. ALL 150mm WATERMANS USE A 150mm TANGENTIAL TEE WITH THE 150mm OULET ON TOP</p> <p>8. VALVE BOX ONLY. TRENCHES BELIEVED FROM FUTURE CULVERTS ACROSS EACH PERPETRATED JOINT OF CONNECTION TO BE MADE</p> <p>9. ALL MATERIALS SHALL BE IN ACCORDANCE WITH M16 TO M18</p> <p>10. TRACER WIRE SHALL BE COMPLETED TO BE COMPLETED FOR 100%</p>	
<p>CONTECH</p> <p>FRAME AND COVER (DIAMETER VARIES)</p> <p>DATE: MAY 2021 REV: MARCH 2023 DWG NO: W19</p>	

NOTE:  
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

OWNER INFORMATION  
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SCALE  
1:300

DESIGN  
CHECKED  
DRAWN

FOR REVIEW ONLY

DESIGN ZA  
CHECKED FST  
DRAWN ZA

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LOCATION  
CITY OF OTTAWA  
40 FRANK NIGHBOR PLACE

DRAWING NAME  
CIVIL DETAILS PLAN

PROJECT NO. 123002  
REV. REV #1  
DRAWING NO. 123002-D  
PLAN #19002