



1. MAINTAIN MINIMUM 1.6m OF COVER FOR ALL BURIED PIPING.
2. ALL DIMENSIONS, CONTOURS AND ELEVATIONS ARE GIVEN IN METRIC UNITS AND REFER TO GEODETIC DATUM.
3. CONTRACTOR TO LOCATE AND CONFIRM INVERT ELEVATION OF EXISTING CAPPED 400mm WATERMAIN
4. LOCATIONS OF EXISTING SERVICES AND UTILITIES ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS IN THE FIELD AND PREPARE AS REQUIRED. ANY REPAIR TO THE EXISTING INFRASTRUCTURE DAMAGED DURING CONSTRUCTION IS TO BE AT THE EXPENSE OF THE CONTRACTOR.
5. THE CONTRACTOR SHALL CHECK ALL DIMENSIONS AND ELEVATIONS ON SITE AND REPORT TO THE ENGINEER ANY DISCREPANCIES OR OMISSIONS PRIOR TO CONSTRUCTION.
6. THE CONTRACTOR SHALL INSTALL SILTATION FENCING AND SEDIMENT TAPS AS REQUIRED PRIOR TO COMMENCING HIS WORK. TRAPS ARE TO BE CLEANED AS REQUIRED. TRAPS AND SEDIMENT FENCING TO REMAIN IN PLACE AND MAINTAINED UNTIL THE SITE HAS BEEN REVEGETATED. ALL MEASURES NOTED ON THE DRAWINGS ARE TO BE COMPLETED AS A MINIMUM. ALL WORK IS TO BE PERFORMED IN ACCORDANCE WITH NS DEPARTMENT OF THE ENVIRONMENT GUIDELINES AND REQUIREMENTS.
7. EXISTING DRAINAGE SYSTEMS SHALL BE MAINTAINED DURING CONSTRUCTION.
8. WATERMAIN TESTING PRESSURE: 1035 kPa (150psi)
9. CONCRETE THRUST BLOCKS, RESTRAINED JOINTS OR COMBINATION OF CONCRETE THRUST BLOCK AND RESTRAINED JOINT SHALL BE PROVIDED ON ALL VERTICAL AND HORIZONTAL BENDS, TEES AND END PLUGS TO DETAILS SHOWN ON DRAWINGS OR AS SPECIFIED IN THE SPECIFICATIONS.
10. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS.
11. TOPOGRAPHIC SURFACE FEATURES AND ALL EXISTING SURFACE INFRASTRUCTURE INFORMATION SHOWN ON THESE DRAWINGS WERE OBTAINED FROM A SURVEY PERFORMED BY E.C. KEEN LAND SURVEYING LTD., NOVEMBER 16, 2004.
12. A COPY OF THE GEOTECHNICAL REPORT IS AVAILABLE FROM THE CONSULTANT. THE CONTRACTOR SHALL CONFIRM THE BEARING CAPACITY PRIOR TO INSTALLATION OF FOUNDATIONS AND CONCRETE THRUST BLOCKS AND REPORT TO THE ENGINEER ANY DISCREPANCIES.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SITE ACCESS AND STORAGE.
14. ALL DISTURBED AREAS AND AREAS WITHIN THE FENCE BOUNDARY LINE ARE TO HAVE 150mm TOPSOIL AND HYDROSEEDED WITH EXCEPTION OF GRAVELLED AREAS.
15. ALL VALVES, METALLIC COUPLINGS, METALLIC MECHANICAL JOINTS, BOLTS AND FLANGES TO BE COATED WITH THE PROTECTIVE COATING AS SPECIFIED
16. THE CONTRACTOR SHALL COMPLY WITH THE TEMPORARY WORKPLACE TRAFFIC CONTROL MANUAL AND ALL OTHER SPECIFIC REQUIREMENTS STIPULATED BY NOVA SCOTIA DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS WHILE WORKING WITHIN ROAD RIGHT-OF-WAYS.
17. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS AND PROTECT POWER POLES, GUY WIRES AND OTHER POLE ANCHORS AND THE POWER LINES FROM DAMAGE OR BEING SHAKEN OR LOOSENED BY THEIR CONSTRUCTION ACTIVITIES. CONTRACTOR TO COORDINATE CONSTRUCTION NEAR UTILITY POLES WITH APPROPRIATE AGENCY.
18. NEW AND EXISTING WATERMAINS ARE TO BE ISOLATED UNTIL THE NEW WATERMAIN IS PRESSURE TESTED, DISINFECTED AND APPROVED FOR USE. THE NEW WATERMAIN IS TO BE FILLED AND DISINFECTED USING A 50mm DIAMETER CORPORATION STOP. THE CORPORATION STOP IS TO INCLUDE A LEAD TO THE SURFACE AND IS TO REMAIN OPEN UNTIL THE NEW LINE IS TESTED. UPON APPROVAL FOR SERVICE THE STOP IS TO BE CLOSED AND THE LEAD REMOVED.
19. FINAL SITE GRADING SHALL HAVE ALL DISTURBED SURFACES DRAIN INTO EXISTING OR NEW DITCH SYSTEM.
20. ALL BURIED DUCTILE IRON PIPE SHALL BE INSTALLED WITH POLYETHYLENE ENCASEMENT AS PER SPECIFICATIONS.
21. ALL BURIED VALVES AND HYDRANTS SHALL BE INSTALLED WITH AN ATTACH ZINC ANODE FOR CATHODIC PROTECTION AS PER SPECIFICATIONS.
22. ALL PIPING SHALL BE LAID AT CONSTANT GRADE ELIMINATING LOCAL HIGH SPOTS AND DIPS AND SHALL AVOID SUDDEN CHANGES IN DIRECTION.
23. BURIED PVE PIPE TO BE INSTALLED WITH TRACING WIRE FOR LOCATING PURPOSES.

<u>EXISTING</u>		<u>PROPOSED</u>	
-----	WATERMAIN	=====	WATERMAIN
-----	DITCH CENTRELINE	-----	DITCH CENTRELINE
⋈ _{PH}	FIRE HYDRANT	✕	FENCE
⊗	WATER VALVE	⌞	GATE VALVE
⬤	BOREHOLE	N	BUTTERFLY VALVE
× 37.17 260	SPOT ELEVATION	▷	REDUCER
~~~~~	TREE LINE	⋈ _{PH}	FIRE HYDRANT
		◀	THRUST BLOCK
		▶	FLOW DIRECTION
		•	BOLLARD
		<span style="border: 1px solid black; padding: 2px;">37.50</span>	PROPOSED ELEVATION
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