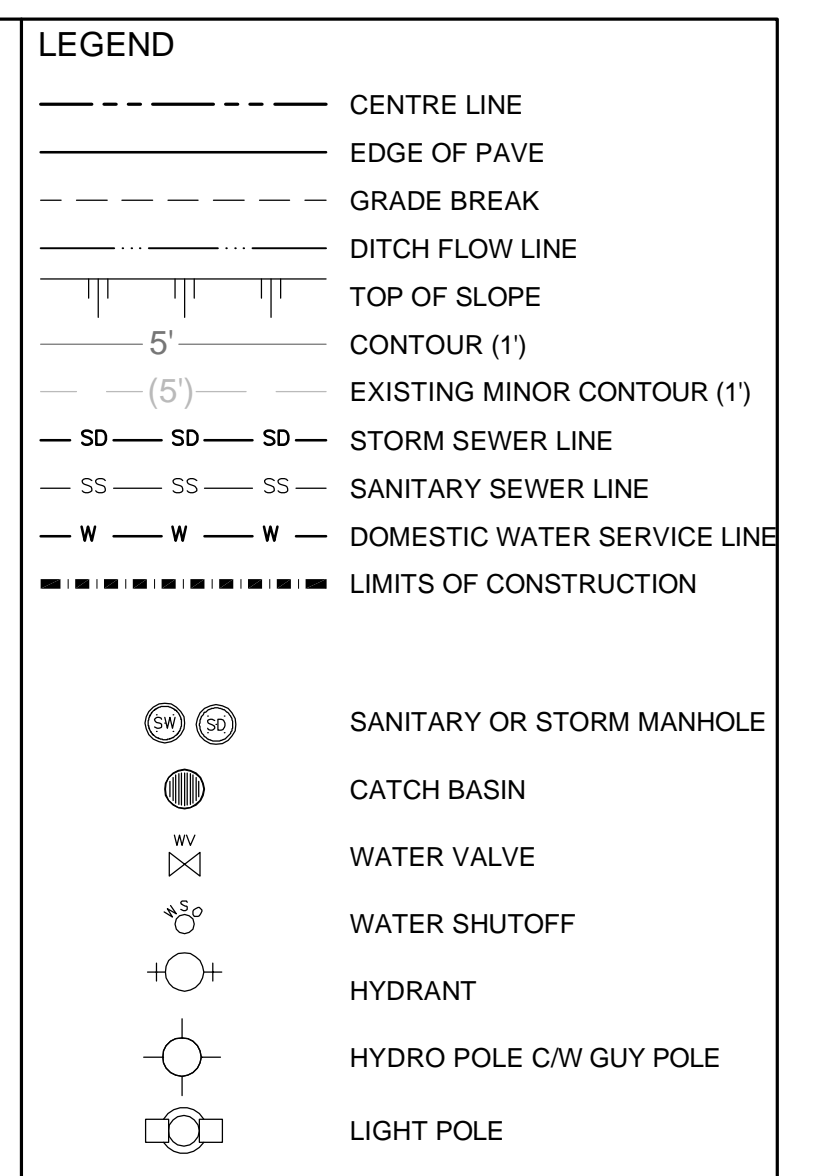
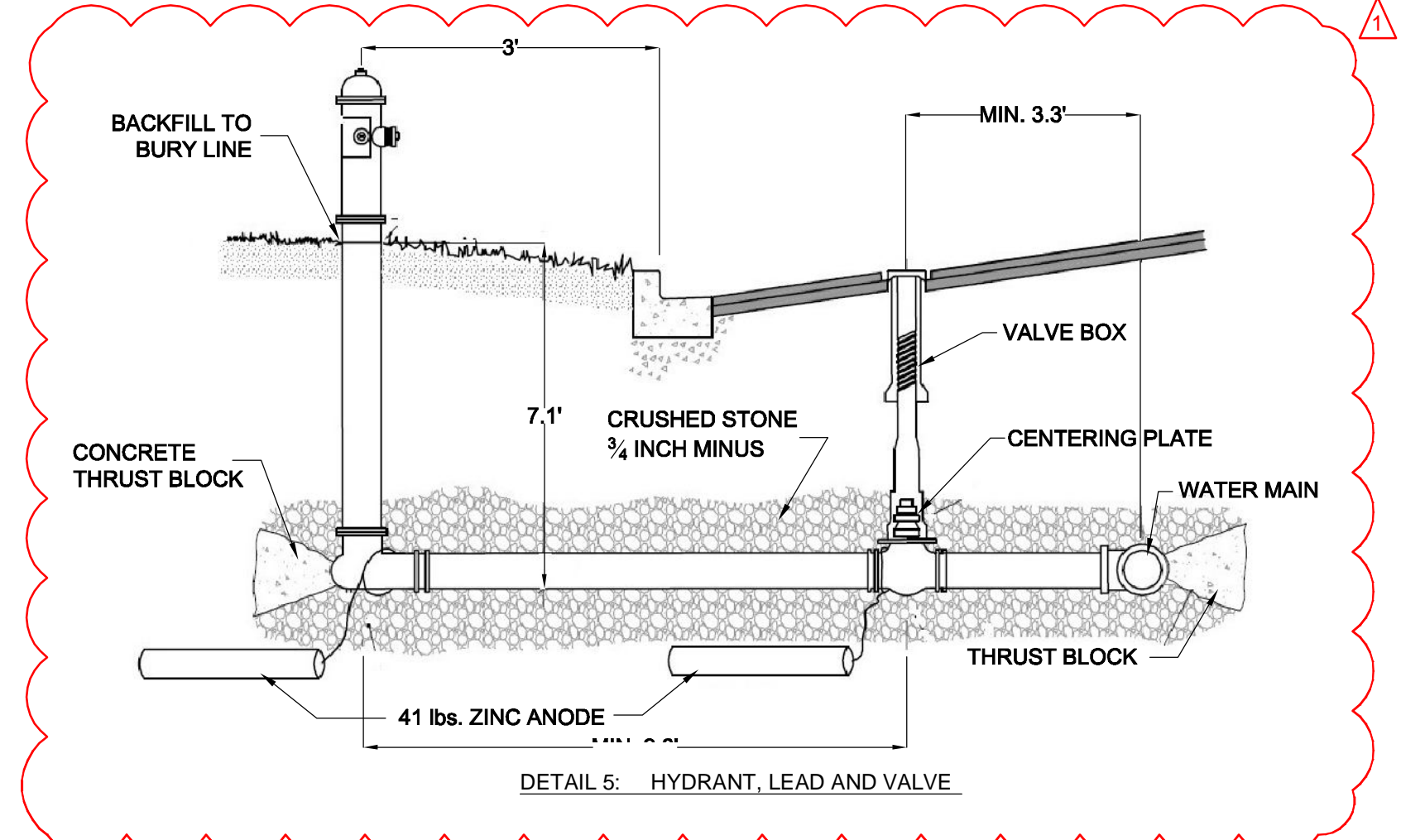
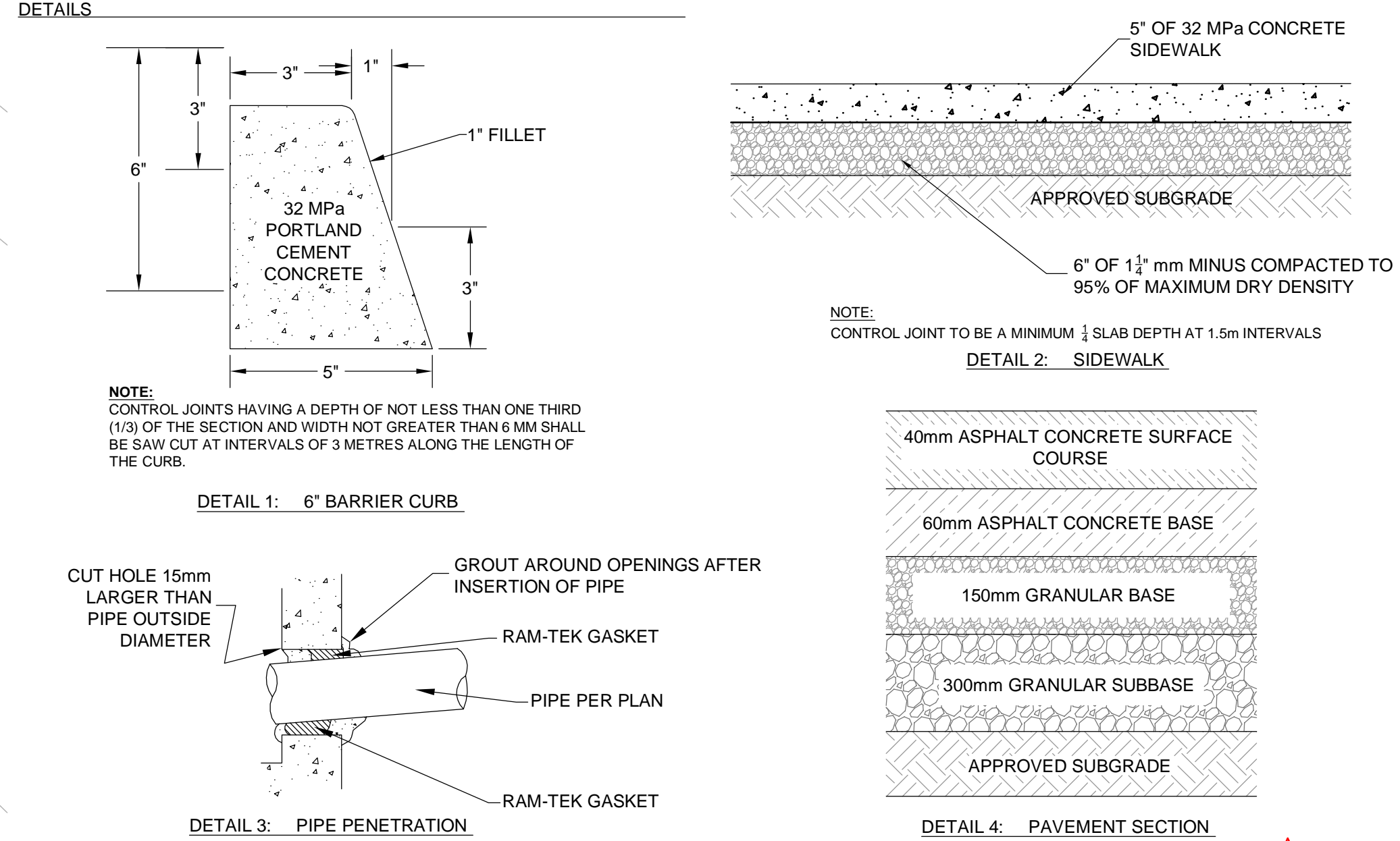


- GENERAL NOTES**
- 1) ALL WORKS AND SERVICES INSTALLATIONS TO BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING (MOST CONSERVATIVE SHALL APPLY):
 - APEGNB RECOMMENDED STANDARDS WATER AND SEWER PROJECTS,
 - NBDOT STANDARD SPECIFICATIONS,
 - OCCUPATIONAL HEALTH AND SAFETY ACT OF NEW BRUNSWICK,
 - AMERICAN WATER WORKS ASSOCIATION.
 - 2) ALL DIMENSIONS AND ELEVATIONS ARE IMPERIAL UNITS.
 - 3) CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS REQUIRED TO DO THE WORK AND COMPLYING WITH ALL PERMIT REQUIREMENTS AND CONDITIONS.
 - 4) DRAWING SET IS TO BE APPROVED BY TOWN OF SACKVILLE BUILDING INSPECTIONS OFFICE PRIOR TO COMMENCING THE WORK.
 - 5) CONTRACTOR TO CONFIRM SIZE, HORIZONTAL LOCATION, AND VERTICAL ELEVATION OF ALL EXISTING SERVICES PRIOR TO COMMENCING WORK. CONTRACTOR TO VERIFY EXISTING GRADES INCLUDING SURROUNDING GRADES, PRIOR TO COMMENCEMENT OF THE WORK. CONTRACTOR SHALL IMMEDIATELY REPORT ANY DISCREPANCIES TO THE ENGINEER.
 - 6) IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BECOME FAMILIAR WITH THE NATURE AND EXTENT OF THE WORK TO BE EXECUTED, THE NATURE OF THE SOIL, SURFACE WATER DRAINAGE, THE GENERAL FORM OF THE SURFACE OF THE GROUND, AND GENERALLY OF ALL THE MATTERS WHICH CAN IN ANY WAY AFFECT THE TENDER.
 - 7) CONTRACTOR TO CONFIRM LOCATIONS OF BUILDING SERVICE CONNECTIONS PRIOR TO INSTALLATION OF SITE SERVICES. CONTRACTOR TO IMMEDIATELY REPORT ANY DISCREPANCIES TO THE ENGINEER.
 - 8) CONTRACTOR IS RESPONSIBLE FOR REINSTATING ANY DISTURBED AREA OUTSIDE THE PROJECT LIMITS TO PRE-CONSTRUCTION CONDITIONS, OR BETTER. NO SOIL SHALL BE DISTURBED BEYOND THE NBENV LIMIT INDICATED ON THE PLAN.
 - 9) THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL MEASURES AS REQUIRED DURING CONSTRUCTION.
 - 10) CONTRACTOR IS RESPONSIBLE FOR PROTECTING NATURAL WATERCOURSES FROM DAMAGE DUE TO SILTATION RUNOFF FROM THE CONSTRUCTION SITE. ACCEPTABLE EROSION CONTROL STRUCTURES CAN BE OBTAINED FROM THE NBDOT STANDARD SPECIFICATIONS, 2006, DIVISION 600.
 - 11) CONTRACTOR SHALL DESIGN, INSTALL, AND MAINTAIN TEMPORARY BRACING AND SHORING AS REQUIRED FOR STABILITY AND AND SAFETY DURING WORK.
 - 12) GEOTECHNICAL CONDITIONS AND REQUIREMENTS ARE OUTLINED IN A GEMTEC LTD GEOTECHNICAL INVESTIGATION REPORT.
 - 13) THE ENGINEER SHALL BE NOTIFIED ATLEAST TWO DAYS IN ADVANCE OF ANY SERVICE (WATER, SANITARY, STORM) INSTALLATION. NO PIPE WORK SHALL BE BURIED UNTIL APPROVED BY ENGINEER OR ENGINEER'S REPRESENTATIVE.
 - 14) INSTALLATION AND TESTING OF ALL SITE SERVICES (WATER, SANITARY, STORM) INSTALLED ON PRIVATE PROPERTY SHALL BE PERFORMED IN ACCORDANCE WITH CITY OF MONCTON STANDARDS AND SPECIFICATIONS, LATEST EDITION. THIS MAY INCLUDE, BUT IS NOT LIMITED TO, DISINFECTION, PRESSURE TESTING, EXFILTRATION TESTING, VIDEO INSPECTION, AND VACUUM TESTING.
 - 15) SITE SERVICES SHALL NOT BE PUT INTO SERVICE UNTIL ALL TESTING AND INSPECTIONS HAS BEEN PERFORMED AND APPROVED BY THE ENGINEER.
 - 16) WHERE LATERALS CONNECT TO MANHOLES, NEW OR EXISTING, PROPER BENCHING IS TO BE CONSTRUCTED TO ENSURE FLOW IS DIRECT TO THE OUTLET.
 - 17) ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES THAT ARE NOT TO BE PAVED SHALL BE REINSTATED WITH 150mm(6") MINIMUM TOPSOIL AND GRASS HYDROSEED OR SOD. SEED MIXTURE TO BE APPROVED BY ENGINEER.
 - 18) EXISTING TOPSOIL SHOULD BE STOCKPILED TO BE USED FOR LANDSCAPE GRADING (NOTE 18). STOCKPILES SHALL BE COVERED TO REDUCE EROSION AND DUST.
 - 19) CONTRACTOR MAY NOT SUBSTITUTE ANY MATERIALS WITHOUT WRITTEN APPROVAL OF THE ENGINEER.

- WATER SERVICE NOTES**
- 1) IT IS THE CONTRACTOR RESPONSIBILITY TO ENSURE THAT THEIR OPERATIONS DO NOT CONTAMINATE THE PUBLIC WATER SUPPLY. UNDER NO CIRCUMSTANCES WHATSOEVER SHALL THE CONTRACTOR OPERATE EXISTING WATER MAIN VALVES OR MAKE CONNECTIONS TO EXISTING WATER MAINS WITHOUT THE PRIOR APPROVAL OF THE CITY'S UTILITIES DEPARTMENT AND THE ENGINEER.
 - 2) DOMESTIC WATER SERVICE LATERAL PIPING, FITTINGS AND APPURTENANCES SHALL BE 50MM BLUE MUNICIPEX (PEX) MEETING THE LATEST REQUIREMENT OF CSA STANDARD B137.5, AND ASTM F877, UNLESS OTHERWISE SPECIFIED. APPURTENANCES SHALL INCLUDE SERVICE SADDLE, OR P.V.C. TAPPING TEE, MAIN STOP, CURB STOP, CURB BOX AND MARKER POST.
 - 3) A LATERAL SERVICE HOOK-UP INSPECTION BY THE ENGINEER AND TOWN OF SACKVILLE IS REQUIRED PRIOR TO BACKFILLING THE LATERAL CONNECTIONS TO THE MAINLINES. NO WATER TURN ON WILL TAKE PLACE UNTIL THIS HOOK-UP INSPECTION IS HAS BEEN COMPLETE.
 - 4) FIRE PROTECTION SERVICE LINE SHALL BE POLYVINYL CHLORIDE (PVC) PRESSURE PIPE TO THE LATEST AWWA STANDARD C900 AND CSA B137.3-M, CLASS 150, DR18, COLOUR CODED BLUE.
 - 5) GATE VALVES AND VALVE BOXES WILL BE MCAVITY, BIBBY, MUELLER, AVK OR APPROVED EQUAL AND WILL BE PROVIDED BY THE CONTRACTOR. GATE VALVES WILL MEET THE REQUIREMENTS OF THE LATEST AWWA STANDARD C509 FOR RESILIENT-SEATED GATE VALVES FOR ORDINARY WATER SERVICE. VALVES WILL BE EPOXY COATED, IRON BODY, BRASS MOUNTED WITH NON-RISING STEM, HAVE STAINLESS STEEL TEE BOLTS AND NUTS (COMPLETE WITH ANTI-GALLING COMPOUND), AND 50MM SQUARE OPERATING NUT. THEY WILL OPEN COUNTERCLOCKWISE AND WILL HAVE MECHANICAL JOINTS AND BE COMPLETE WITH COMPONENT PARTS.
 - 6) ALL FITTINGS (TEES, BENDS AND CAPS) SHALL BE GRAY-IRON 1725 KPA AND MEET THE REQUIREMENTS OF THE LATEST AWWA STANDARD C110, OR DUCTILE-IRON FITTINGS MEETING THE REQUIREMENTS OF AWWA C153, 2415 KPA CLASS, OR P.V.C. PRESSURE FITTINGS MEETING THE REQUIREMENTS OF AWWA C907 AND CSA B137.2, CLASS 150, (FOR SIZES 100MM THROUGH 200MM ONLY). JOINTS FOR GRAY-IRON FITTINGS WILL BE A MECHANICAL TYPE, MEETING THE REQUIREMENTS OF THE LATEST AWWA STANDARD C111 FOR RUBBER GASKET JOINTS FOR DUCTILE-IRON PRESSURE PIPE AND DUCTILE-IRON AND GRAY-IRON FITTINGS. PVC PRESSURE FITTINGS SHALL BE THE PUSH-ON BELL AND SPIGOT TYPE.
 - 7) HYDRANTS SHALL BE CLOW/MCAVITY M&T OR CANADA VALVE CENTURY OR AVK MODEL 2780. ALL HYDRANTS WILL MEET THE REQUIREMENTS OF THE LATEST AWWA STANDARD C-502 FOR HYDRANTS FOR ORDINARY WATER SERVICE. HYDRANTS WILL BE INSTALLED TO A STANDARD 2.15 METRE BURY UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS, AND SHALL BE REPAINTED AFTER INSTALLATION.

- SEWER SERVICE NOTES**
- 1) SANITARY SEWER AND STORM SEWER SERVICE LATERAL PIPE AND FITTINGS SHALL BE POLYVINYL CHLORIDE (PVC) SEWER PIPE DR35 COLOUR CODED GREEN MEETING THE REQUIREMENTS OF THE LATEST ASTM D3034 OR F1760 AND CSA B182.1 OR B182.7 AND SHALL BE A MINIMUM 100MM DIAMETER. JOINTS WILL BE BELL AND SPIGOT TYPE WITH LOCKED IN RUBBER GASKET.
 - 2) ALL SANITARY SEWER AND STORM SEWER LATERALS, GREATER THAN 100MM IN DIAMETER, AND ALL SANITARY SEWER MANHOLES INSTALLED MUST BE PRESSURE TESTED AND VIDEO INSPECTED AND RESULTS SUBMITTED TO THE ENGINEER WITH A STAMPED LETTER STATING THAT ALL TESTS HAVE PASSED AND THE VIDEO SHOWS NO DEFECTS IN INSTALLATION AND FULL TIME INSPECTION WAS DONE DURING THE TEST.



ABBREVIATIONS

(e)	EXISTING
(R)	REMOVE
TG	TOP OF GRATE
INV	INVERT
CB	CATCH BASIN
MH	MANHOLE
FFE	FINISHED FLOOR ELEVATION

1	ADDED HYDRANT	21/06
Revision Number	Revision	Date

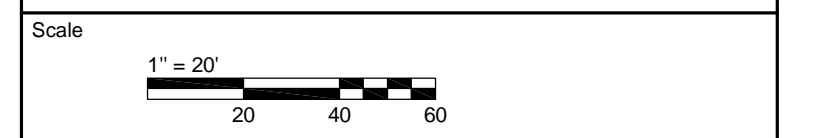
Engineers Stamp

NOT FOR CONSTRUCTION

Drawn By	BST	Checked By	BST
Calculations By		Checked By	
Date	APRIL 2011		

Project: MARITIME CONFERENCE BUILDING WRIGHT STREET, SACKVILLE, NB

Drawing: SITE CONSTRUCTION PLAN



File No.	03835504	Drawing	D01	Revision No.	1
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