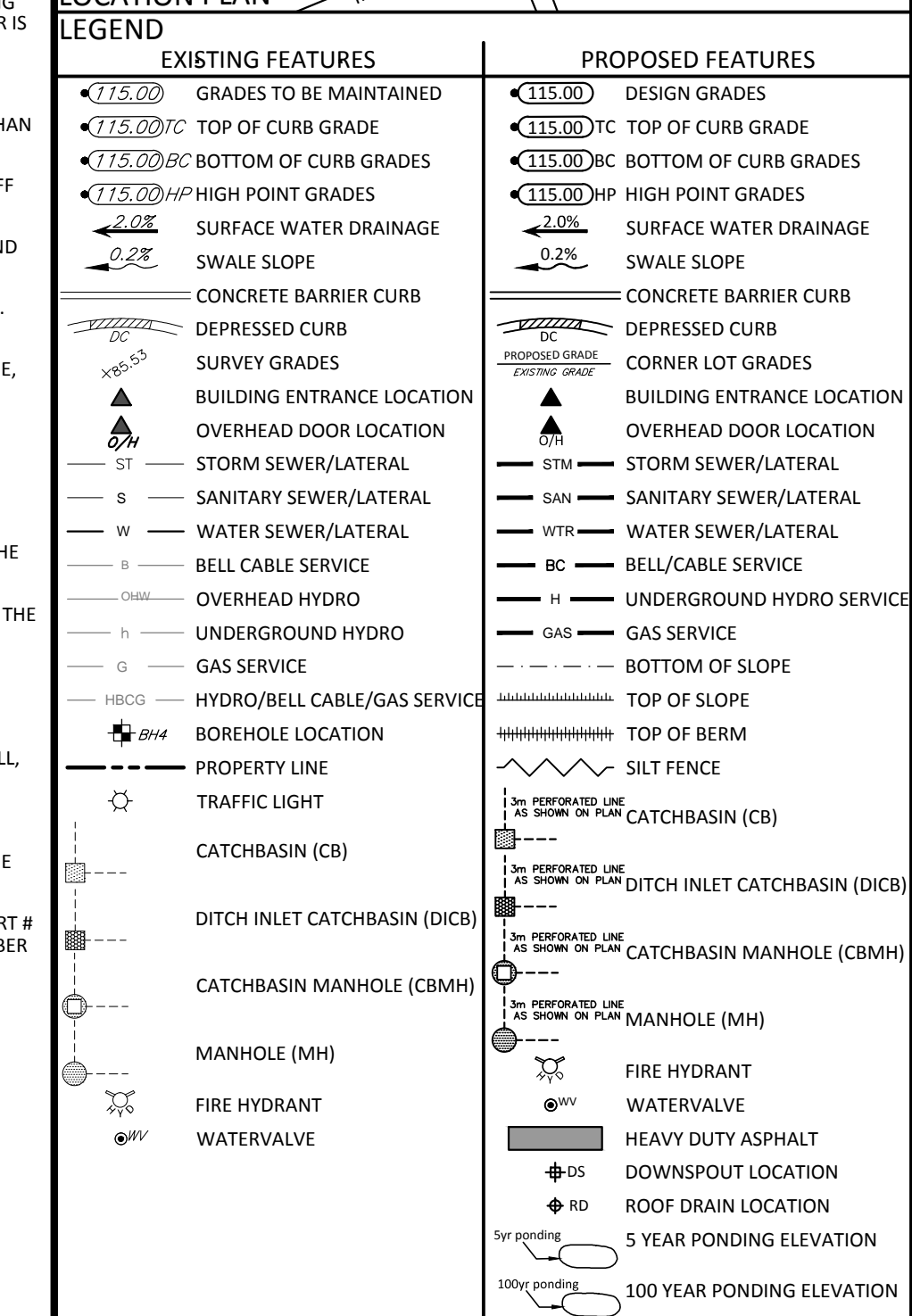


NOTE:  
ALL EXISTING STORM AND SANITARY SERVICES SHALL BE CUT AND CAPPED AT THE PROPERTY LINE TO THE SATISFACTION OF CITY SEWER OPERATIONS.  
ALL EXISTING WATER SERVICES (2) ARE TO BE BLANKED AT THE CITY MAIN BY CITY FORCES.

## SEWER NOTES

1. CONSTRUCT ALL SEWER AND APPURTENANCES TO ONTARIO PROVINCIAL STANDARD SPECIFICATIONS AND DRAWINGS, AS WELL AS THE CITY OF OTTAWA STANDARDS AS INDICATED.
2. SEWER TRENCHING AND BEDDING SHALL CONFORM TO OPSD 802.010 AND 802.013 UNLESS NOTED OTHERWISE.
3. BEDDING SHALL BE A MINIMUM 150mm OF GRANULAR "A", COMPACTED TO MINIMUM 95% STANDARD PROCTOR DRY DENSITY. CLEAR STONE BEDDING SHALL NOT BE PERMITTED.
4. SUB-BEDDING, IF REQUIRED SHALL BE AS PER THE DIRECTION OF A GEOTECHNICAL ENGINEER
5. BACKFILL TO AT LEAST 300mm ABOVE TOP OF PIPE WITH GRANULAR "A" OR SAND.
6. TO MINIMIZE DIFFERENTIAL FROST HEAVING, TRENCH BACKFILL (FROM PAVEMENT SUBGRADE TO 2 METRES BELOW FINISHED GRADE) SHALL MATCH EXISTING SOIL CONDITIONS.
7. SEWERS AND CONNECTIONS 150mm DIAMETER AND SMALLER TO BE PVC SDR 28 OR APPROVED EQUIVALENT. SEWERS AND CONNECTIONS 200mm DIAMETER AND LARGER TO BE PVC SDR 35 OR APPROVED EQUIVALENT.
8. INSULATE ALL STORM AND SANITARY SEWERS/SERVICES THAT HAVE LESS THAN 1.5m OF COVER WITH THERM INSULATION.
9. SUPPLY AND INSTALL ALL PIPING AND APPURTENANCES AS SHOWN AND DETAILED TO WITHIN 1m OF BUILDING. ALL ENDS OF SERVICES TO BE PROPERLY CAPPED AND LOCATED WITH 72"x48" LONG MARKER.
10. CONTRACTOR TO TELEVIEW (CTV) ALL PROPOSED SEWERS ONSITE, INCLUDING OUTLET CONNECTION TO THE CITY MAIN, 150mmØ OR GREATER PRIOR TO BASE COURSE ASPHALT. UPON COMPLETION OF CONTRACT, THE CONTRACTOR IS RESPONSIBLE TO FLUSH AND CLEAN ALL SEWERS & APPURTENANCES.
11. DYE TESTING IS TO BE COMPLETED ON SANITARY SERVICE TO CONFIRM PROPER CONNECTION TO THE SANITARY SEWER MAIN.
12. ALL CATCHBASIN AS WELL AS CATCHBASIN MANHOLES LEADS ARE TO BE 200mmØ, SLOPE TO BE 1% UNLESS OTHERWISE NOTED. ALL CATCHBASINS EXCLUDING LANDSCAPE CATCHBASINS TO HAVE 150mm PERFORATED PIPE FOR 3.0m ON ALL AVAILABLE SLOPES AS PER CITY STD DWG R1, 2009 REVISION.



GENERAL REVISIONS REMARKS DATE BY			
	01	ISSUED FOR SITE PLAN CONTROL	SEP 04/15
	No.	Revision/Issue	Date

Check and verify all dimensions before proceeding with the work	Do not scale drawings
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115 Walgreen Road R.R. #3, Carp, ON K0A 1L0 Tel: 613-836-2184 Fax: 613-836-3742	
Stamp: 	Stamp:
Client: <b>MAR GARD LIMITED</b> 92 BENTLY AVENUE, 2ND FLOOR OTTAWA, ON, K2E 6T9 <div style="float: right;">P: (613) 723-1640 F: (613) 723-8544</div>	
Project: <div style="text-align: center;">4405 &amp; 4409 INNES ROAD <b>PROPOSED STRIP MALL</b></div>	
OTTTAWA <div style="text-align: right;">ON</div>	
Drawing Title: <b>LOT GRADING AND DRAINAGE PLAN</b>	
Scale: 1:200	Project Number:  <div style="text-align: right;">CP-14-0214</div>
Drawn by: JMJ	
Checked By: CJM/KRA	
Designed By: JMJ	Drawing Number:
Date: AUGUST 03, 2015	SHEET 2 of 3
<div style="font-size: 2em;">C102</div>	