References:		
CAUTION THE POSITION OF ALL POLE LINES, CONDUITS, WATERMAINS, 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.	 P. H. CONNECTION NO. CANNOT BE THE CONNECTION OF THE CONN	 GENERAL NOTES: 1. ALL WORKS AND MATERIALS SHALL CONFORM TO THE LATEST REVISIONS OF THE STANDARDS AND SPECIFICATIONS OF THE CITY OF OTTAWA, ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD) AND SPECIFICATIONS (OPSS), WHERE APPLICABLE. 2. THE LOCATION OF UTILITIES IS APPROXIMATE ONLY, AND THE EXACT LOCATION SHOULD BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES CONCERNED. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE THE LOCATION AND STATUS OF UTILITIES AND SHALL BE RESPONSIBLE FOR ADEQUATE PROTECTION OF PLANT AND EQUIPMENT FROM DAMAGE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAR OR REPLACEMENT OF ANY SERVICES OR UTILITIES DISTURBED DURING CONSTRUCTION, TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION.

STORM SEWER NOTES

- . ` ALL STORM SEWER MATERIALS AND INSTALLATION SHALL CONFORM TO STANDARDS AND SPECIFICATIONS OF THE CITY OF OTTAWA, ONTARIO PR (OPSD) AND SPECIFICATIONS (OPSS).
- Ņ ALL REINFORCED CONCRETE STORM SEWER PIPE SHALL BE IN AN AMENDMENT). ALL NON-REINFORCED CONCRETE STORM SEWER P A257.L (LATEST AMENDMENT). PIPE SHALL BE JOINTED WITH STD (LATEST AMENDMENT).
- 4 ы ALL PVC STORM SEWERS ARE TO BE SDR 35 APPROVED UNLESS OTHERWISE SPECIFIED. PER C.
- SEWER BEDDING AS PER CITY STANDARD S6 & S7. THE CONTRACTOR SHALL CONSTRUCT FLEXIBLE STORM SEWERS IN 802.013. RIGID STORM PIPE SHALL BE CONSTRUCTED IN ACCORD CONSTRUCTION THE CONTRACTOR SHALL PROTECT THE PIPES FROM BEDDING AND BACKFILL SHALL BE COMPACTED TO A MINIMUM OF
- ი. ALL STORM LATERALS SHALL BE PVC SDR 28, WHITE IN COLOR WOODEN MARKER EXTENDING FROM THE INVERT TO 1.0M ABOVE

- .7 ALL SERVICE CONNECTIONS TO BE CONSTRUCTED AS PER
- WITHIN THE FROST ZONE, THE BACKFILL IN THE SERVICE MINIMIZE DIFFERENTIAL FROST HEAVING IN THE SUBGRADE

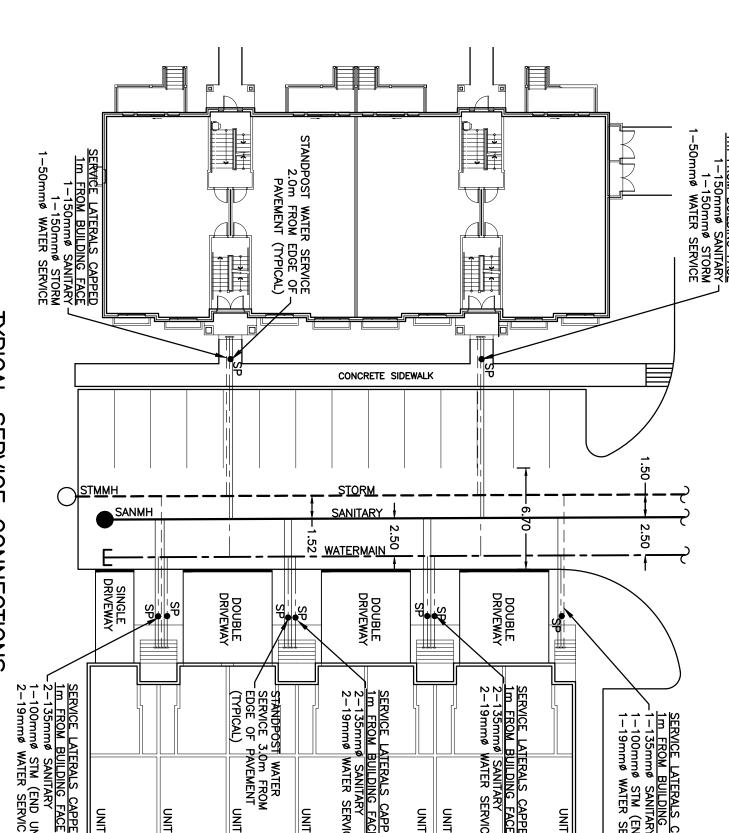
- 9. MINIMUM SOIL COVER TO BE 2.1M TO PROTECT SEWERS FROM F ADEQUATE FROST COVER CANNOT BE ACHIEVED, EQUIVALENT THE OPSD 514.010
- ALL STORM SERVICES TO BE EQUIPPED WITH APPROVED BACKWATER
 STORM MANHOLE FRAME AND COVERS SHALL BE AS PER CITY OF O
 SAFETY PLATFORMS SHALL BE IN ACCORDANCE WITH OPSD 404.02.
 DROP STRUCTURES SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA
 STORM SEWER MANHOLES SERVING LOCAL SEWERS LESS THAN 900rm 300mm SUMP. FOR STORM SEWERS 900mm AND OVER USE BENCH 0PSD 701.021.
 SINGLE AND DOUBLE CATCHBASINS SHALL BE IN ACCORDANCE WITH 705.020, RESPECTIVELY. FRAMES AND GRATE SHALL BE AS PER CITY CATCHBASINS, AND STREET CATCHBASINS.
 CURB INLET TYPE CATCH BASIN (CICB) SHALL BE IN ACCORDANCE WITH GRATE SHALL BE AS PER CITY OF OTTAWA STD. S22 AND S23, UNLI SLOPE (MIN.) UNLESS OTHERWISE NOTED.
- 18. ALL CATCHBASINS AND CATCHBASIN MANHOLES SHALL HAVE SUN OTHERWISE NOTED.
- 19. CONTRACTOR SHALL ENSURE THAT CATCHBASINS ARE INSTALLED
 20. THE STORM SEWER CLASSES HAVE BEEN DESIGNED BASED ON E SPECIFIED TRENCH WIDTH IS EXCEEDED, THE CONTRACTOR SHALL BEDDING, A DIFFERENT TYPE OF BEDDING OR A HIGHER PIPE ST ALSO BE RESPONSIBLE FOR EXTRA TEMPORARY AND/OR PERMAN WIDENED TRENCH.
- WATERMAIN NOTES 21. THE CONTRACTOR SHALL CONDUCT CCTV INSPECTION OF ALL NE EXISTING SEWERS CONNECTED TO. THE TEST SHALL BE PERFORM
- -ALL WATERMAIN MATERIALS AND INSTALLATION SHALL CONFORM T STANDARDS AND SPECIFICATIONS OF THE CITY OF OTTAWA, ONTA (OPSD) AND SPECIFICATIONS (OPSS).
- 2 NO WORK SHALL COMMENCE UNLESS A CITY WATER WORKS INSI CONNECTIONS BY CITY OF OTTAWA FORCES WITH ALL EXCAVATION CONTRACTOR.
- ŝ
- 4. ALL PVC WATERMAINS SHALL BE EQUAL TO AWWA C-900 CLASS WATERMAINS TRENCH AND BEDDING SHALL BE IN ACCORDANCE V UNLESS OTHERWISE SPECIFIED. BEDDING AND COVER MATERIAL S GEOTECHNICAL ENGINEER.
- ភ ALL PVC WATERMAINS SHALL BE INSTALLED WITH A 10 GAUGE SWIRE IN ACCORDANCE WITH CITY OF OTTAWA STD. W36.
- WIKE IN ACCORDANCE WITH CITY OF OTTAWA StD. W36.
 MATER SERVICES ARE TO BE TYPE K SOFT COPPER AS PER CITY OF SPECIFIED, ALL WATER SERVICES CROSSING SEWERS ARE TO BE INSTALLED AS PER CITY OF OTTAWA DUNE.
 CATHODIC PROTECTION IS REQUIRED ON ALL METALLIC FITTINGS AS FW42.
 VALVE BOXES SHALL BE INSTALLED AS PER CITY OF OTTAWA DETAIL W42.
 ALL FIRE HYDRANTS TO BE INSTALLED AS PER CITY STANDARD W19 W18 AND/OR CITY STANDARD CROSS SECTIONS.
 ALL WATERMAINS TO BE INSTALLED AT MINIMUM COVER OF 2.4m.
 THRUST BLOCKS AND RESTRAINT AS PER CITY OF OTTAWA DWGS: W2
 DISINFECTION AND TESTING OF WATERMAIN TO BE IN ACCORDANCE W
 MATER METERS FOR TYPICAL TOWNHOMES TO BE INSTALLED AS PER CAPS, PLUGS AND FOR TESTING AND DISINFECTION OF THE WATERMAN.
 INSULATION FOR WATERMAIN CROSSING OVER AND BELOW SEWER SHIP OTTAWA STD. W25.2 AND W25, RESPECTIVELY, WHERE WATERMAN CONTAWA STD. W25.2 AND W25 PER CITY OF OTTAWA STD. W23. ი.

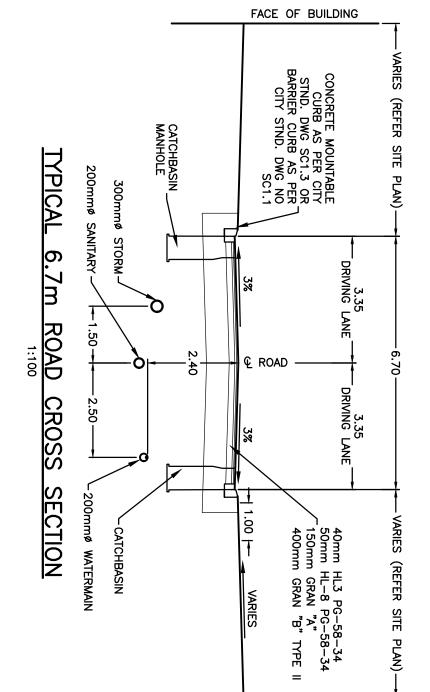
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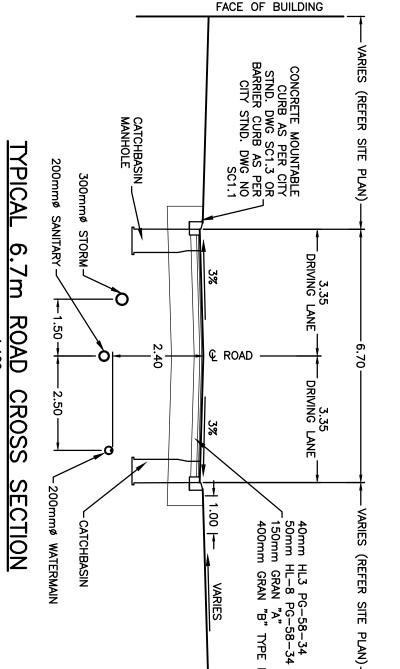
- 10. ALL WATERMAINS TO BE INSTALLED AT MINIMUM COVER OF
- 11. THRUST BLOCKS AND RESTRAINT AS PER CITY OF OTTAWA
- 12.

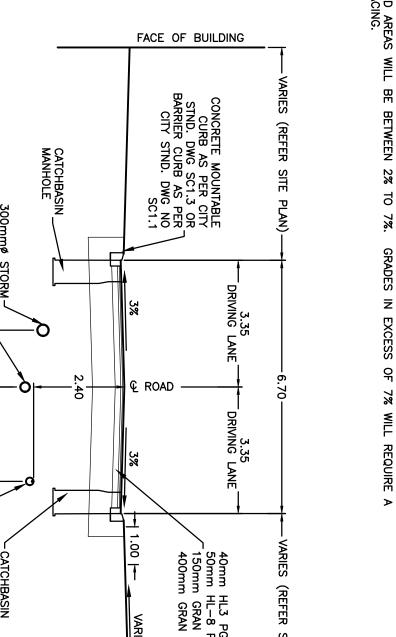
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CLEAT ASHCROFT HOMES 18 ANTARES DRIVE OTTAWA, ON, K2E 1A9 BASEFLAN ESGN DTTAWA, ON, K2E 1A9 BASEFLAN ESGN DESG	DEL LATERALS. CAPTED Solutions
OAKRIDGE GATE, PHASE II OTTAWA, ONTARIOFROJECT VO. OTT-00245036-A0 SURVEY AOVNOTES, LEGEND AND DETAILS SHEETPRUNIC VO. CO4	EXERCISE Exercision from the service of the service

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WATERMAIN AND SEWER / UTILITY IS OR CROSSING UNDER SEWER, THE CROSSING UNDER SEWER, ADEQUATE CESSIVE DEFLECTION OF JOINTS AND POINT OF CROSSING SO THAT THE WER.	L BE IN ACCORDANCE WITH CITY OF R IS LESS THAN 2.4m. THAN 1.2m, WATER SERVICES ARE TO	H CITY OF OTTAWA STANDARDS. 130 FOR WATER SERVICES. BLOW–OFFS AND NOZZLES REQUIRED	3 AND W25.4, W25.5 AND W25.6. I THE AMOUNT OF DEFLECTION USED	W24. ND LOCATED AS PER CITY STANDARD	STD. W40 /	OTTAWA STD. W26 UNLESS OTHERWISE LLED AS PER CITY OF OTTAWA STD. EXTENDING FROM THE INVERT TO BE INSTALLED AT THE PROPERTY	SDR18, OR APPROVED EQUAL. ITY OF OTTAWA STANDARD W17, BE SPECIFIED BY PROJECT ED COPPER TWU OR RWU TRACER	s on site. Waterm 1. and road reinst	E LATEST REVISIONS OF THE ROVINCIAL STANDARD DRAWINGS	NSTALLED STORM SEWERS AND IMEDIATELY AFTER SEWERS INSTALLED.	e low point of SAG Curb Works. Ig conditions specified. Where the Required to provide additional Th at his own expense and shall Repairs made necessary by the	TH 300mm DEPTH, UNLESS	H CITY OF OTTAWA STD. S3. AND S OTHERWISE NOTED. hmmø (MIN) RESPECTIVELY, 1.0%	STD. S1. D. S19 FO	SPECIFICATIONS AND OPSD 1003.01. 1 SHALL BE CONSTRUCTED WITH A G IN ACCORDANCE WITH	ALVES. AWA STD. S24, S24.1 AND S25.	DAMAGE. IN AREAS WHERE INSULATION TO BE INSTALLED AS PER	ARD S11.1. HOULD MATCH THE SOIL ON SIDES TO	MARKED WITH A 50mm X 100mm E PAINTED GREEN.	WITH OPSD 802.010 AND WITH OPSD 802.030. DURING EAVY CONSTRUCTION EQUIPMENT. SPMDD.	182.2 OR LATEST AMENDMENT,	DANCE WITH CSA A257.2 (LATEST HALL BE IN ACCORDANCE WITH CSA IBER GASKETS AS PER CSA A257.3	THE LATEST REVISIONS OF THE ROVINCIAL STANDARD DRAWINGS	
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- 1. ALL TOPSOIL AND ORGANIC MATERIAL SHALL BE STRIPPED WITHIN THE SITE PRIOR TO THE COMMENCEMENT OF UNDERGROUND CONSTRUCTION.