

## **GENERAL NOTES**

- THE ORIGINAL TOPOGRAPHY, GROUND ELEVATION AND SURVEY DATA SHOWN ARE SUPPLIED FOR INFORMATION PURPOSES ONLY, AND IMPLY NO GUARANTEE OF ACCURACY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL
- 2. THIS PLAN IS NOT A CADASTRAL SURVEY SHOWING LEGAL PROPERTY BOUNDARIES AND EASEMENTS. THE PROPERTY BOUNDARIES SHOWN HEREON HAVE BEEN DERIVED INFORMATION SUPPLIED BY (OR SHOWN ON) STANTEC GEOMATICS LTD.. JOB No. 161614043-111 AND CANNOT BE RELIED UPON TO BE ACCURATE OR COMPLETE. THE PRECISE LOCATION OF THE CURRENT PROPERTY BOUNDARIES AND EASEMENTS CAN ONLY BE DETERMINED BY AN UP-TO-DATE LAND TITLES SEARCH AND A SUBSEQUENT CADASTRAL SURVEY PERFORMED AND CERTIFIED BY AN ONTARIO LAND SURVEYOR.
- 3. THE CONTRACTOR IS TO OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE MUNICIPALITY BEFORE COMMENCING CONSTRUCTION.
- 4. THE CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT.
- 5. THE CONTRACTOR IS TO DETERMINE THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION. PROTECT AND ASSUME ALL RESPONSIBILITY FOR EXISTING UTILITIES WHETHER OR NOT SHOWN ON THESE DRAWINGS. IF THERE IS ANY DISCREPANCY THE CONTRACTOR IS TO NOTIFY THE ENGINEER
- 6. RESTORE ALL TRENCHES AND SURFACES OF PUBLIC ROAD ALLOWANCES TO CONDITION EQUAL OR BETTER THAN ORIGINAL CONDITION AND TO THE SATISFACTION OF MUNICIPALITY.
- 7. EXCAVATE AND DISPOSE OF ALL EXCESS EXCAVATED MATERIAL, SUCH AS ASPHALT, CURBING AND DEBRIS, OFF SITE AS DIRECTED BY THE ENGINEER AND THE MUNICIPALITY.
- 8. TOPSOIL TO BE STRIPPED AND STOCKPILED FOR REHABILITATION. CLEAN FILL TO BE PLACED IN FILL AREAS AND COMPACTED
- CONTRACTOR IS RESPONSIBLE TO KEEP ROAD FREE AND CLEAN FROM MUD OR DEBRIS.
- 10. ALL DISTURBED AREAS TO BE RESTORED TO ORIGINAL CONDITION OR BETTER UNLESS OTHERWISE SPECIFIED.
- 11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL AND SAFETY MEASURES DURING THE CONSTRUCTION PERIOD, INCLUDING THE SUPPLY, INSTALLATION, AND REMOVAL OF ALL NECESSARY SIGNAGE, DELINEATORS, MARKERS AND
- 12. DO NOT ALTER GRADING OF THE SITE WITHOUT PRIOR APPROVAL OF THE MUNICIPALITY.
- 13. ALL ROADWAY, PARKING LOT, AND GRADING WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH MUNICIPALITY STANDARDS AND SPECIFICATIONS. THE CONTRACTOR IS TO PROVIDE POSITIVE DRAINAGE AWAY FROM THE BUILDING.
- 14. ALL DIMENSIONS AND INVERTS MUST BE VERIFIED PRIOR TO CONSTRUCTION, IF THERE IS ANY DISCREPANCY THE CONTRACTOR IS TO NOTIFY THE ENGINEER PROMPTLY.
- 15. ELECTRICAL, GAS, TELEPHONE AND TELEVISION SERVICE LOCATIONS ARE SUBJECT TO THE INDIVIDUAL AGENCY: • ELECTRICAL SERVICE - OTTAWA RIVER POWER CORPORATION, • GAS SERVICE - ENBRIDGE, • TELEPHONE SERVICE - BELL CANADA,
- 17. INSTALLATION TO BE IN ACCORDANCE WITH CURRENT CODES AND STANDARDS OF APPROVAL AGENCIES BELL, OTTAWA RIVER POWER CORPORATION AND THE MUNICIPALITY.

SEPARATION

0.30

0.30

0.30

0.30

0.30

- GRANULAR 'A'

18. ALL PROPOSED CURB SHALL BE CONCRETE BARRIER CURB UNLESS SPECIFIED.

**CROSSING CONFLICT TABLE** 

DESCRIPTION

135mmØ SAN SERVICE OBV 137.19

150mmØ WATERMAIN INV 137.49

135mmØ SAN SERVICE OBV 137.38

135mmØ SAN SERVICE OBV 137.61

35mmØ SAN SERVICE OBV 138.7

150mmØ WATERMAIN INV 138.08

**OUTLET WEIR DETAIL** 

L50mmØ WATERMAIN INV 137. 135mmØ SAN SERVICE OBV 137.6

- 19. ALL EXISTING REDUNDANT PRIVATE APPROACHES FRONTING THIS DEVELOPMENT MUST BE REMOVED TO THE SATISFACTION OF THE MUNICIPALITY.
- 20. NO EXCESS DRAINAGE, EITHER DURING OR AFTER CONSTRUCTION, WILL BE DIRECTED TOWARDS NEIGHBOURING

## **SEWER NOTES**

- CONSTRUCT ALL SEWERS AND APPURTENANCES MUNICIPALITY OF MISSISSIPPI MILLS STANDARDS (IF AVAILABLE) OR AS PER OPSD STANDARDS.
- 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.
- 5. TO MINIMIZE DIFFERENTIAL FROST HEAVING, TRENCH BACKFILL (FROM PAVEMENT SUBGRADE TO 2.0m BELOW FINISHED
- 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 SEWERS AND/OR SERVICES THAT HAVE LESS THAN 1.5m OF COVER WITH THERMAL INSULATION AS PER OPSD

SUPPLY AND INSTALL ALL PIPING AND APPURTENANCES AS SHOWN AND DETAILED TO WITHIN 1.0m OF BUILDING. ALL ENDS

- OF SERVICES TO BE PROPERLY CAPPED AND LOCATED WITH 2"x4"x8' LONG MARKER.
- 10. ALL CATCHBASINS EXCLUDING LANDSCAPE CATCHBASINS ARE TO HAVE 150 mm Ø PERFORATED PIPE FOR 3.0m ON ALL AVAILABLE SIDES AS PER CITY OF OTTAWA STANDARD DRAWING 'R1'.
- 11. ALL MATERIALS AND CONSTRUCTION TO BE IN ACCORDANCE WITH CURRENT MUNICIPALITY OF MISSISSIPPI MILLS STANDARDS AND ONTARIO PROVINCIAL STANDARDS AND SPECIFICATIONS; SEWER AND WATERMAIN MATERIAL TYPES AND DISINFECTION
- 12. SUPPLY AND CONSTRUCT ALL SEWERS AND APPURTENANCES IN ACCORDANCE WITH CURRENT MUNICIPALITY OF MISSISSIPPI MILLS STANDARDS AND ONTARIO PROVINCIAL STANDARDS AND SPECIFICATIONS; ROADS AND PUBLIC WORKS.

## WATERMAIN NOTES

UNIT EX 200mmØ SAN INV EX 200mmØ SAN SL 135mmØ SAN INV

\*NOTE: CONTRACTOR TO VERIFY ALL EXISTING SEWER ELEVATIONS AND IMMEDIATELY ADVISE THE ENGINEER OF ANY DISCREPANCIES OR

\*\*NOTE: WATER MAIN TOPS DETERMINED BY ASSUMING 2.1m COVER FORM

ORIGINAL GROUND ELEVATION TO BE FIELD VERIFIED.

± 136.82

± 136.88

± 136.96

± 136.98

± 137.07

± 136.72

± 136.78

± 136.86

± 136.88

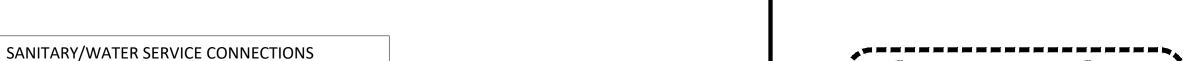
± 136.97

В

С

D

- 1. CONSTRUCT ALL WATERMAINS AND APPURTENANCES IN ACCORDANCE WITH THE CITY OF OTTAWA AND ONTARIO PROVINCIA STANDARD SPECIFICATIONS AND DRAWINGS, OR AS SPECIFIED.
- 2. RESIDENTIAL SERVICE CONNECTIONS TO BE 19mm COPPER PIPING AND SHALL CONFORM TO ASTM B88 TYPE 'K' SOFT AND CONFORM TO CITY OF OTTAWA STANDARD DETAIL S11.2.
- 3. EXCAVATION, INSTALLATION, BACKFILL AND RESTORATION OF ALL WATERMAINS WILL BE COMPLETED BY THE CONTRACTOR. CONNECTION TO EXISTING WATERMAIN TO BE COMPLETED BY CONTRACTOR UNDER MUNICIPALITY SUPERVISION.
- 4. WATERMAINS AND WATER SERVICES ARE TO HAVE A MINIMUM 2.4m COVER. IF COVER IS LESS THAN 2.4m INSULATION IS REQUIRED AS PER CITY OF OTTAWA STANDARD DETAIL W22.
- 5. IF THE WATERMAIN MUST BE DEFLECTED TO MEET ALIGNMENT, ENSURE THAT THE AMOUNT OF DEFLECTION USED IS EQUAL TO OR LESS THAN THAT WHICH IS RECOMMENDED BY THE MANUFACTURER.
- 6. USE APPROVED SADDLE CONNECTION WITH MAIN (CORPORATION) STOP AS PER CITY OF OTTAWA STANDARD DRAWING 'W26' 7. ALL WATERMAINS SHALL BE EQUIPPED WITH GATE VALVES AS PER OPSD 1100.011



OCATION PLAN

BARRIER CURB

DEPRESSED CURB

PROPOSED ASPHALT

CATCHBASIN OR DITCH INLET

c/w 3.0m SUBDRAIN STUBS

WATER VAVLE/CHAMBER

PROPOSED GRASS

INTERLOCK

---- INTERIOR LOT LINE

STORM MANHOLE

ECB4 TCB4 LANDSCAPE CATCHBASIN

MH7A SANITARY MANHOLE

FIRE HYDRANT

SLOPING AT 3:1

CENTRELINE OF SWALE

(UNLESS SPECIFIED)

EXISTING ELEVATION

SWALE ELEVATION

FLOW ROUTE

PROPOSED ELEVATION

TOP OF WALL ELEVATION

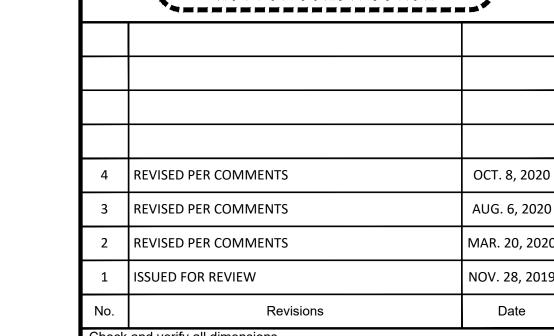
EMERGENCY OVERLAND

BOTTOM OF WALL ELEVATION

**─ ─ ─**  PERFORATED PIPE

B/W 99.50

EGEND



Check and verify all dimensions before proceeding with the work Do not scale drawing SCALE 1:150

SILT FENCE

STRAW BALE CHECK DAM

SEDIMENT CONTROL DEVIC

(AS PER OPSD 219.180)

PROPOSED DOWNSPOUT

(AS PER OPSD 219.130)

 $\bigcirc$ DS

McINTOSH PERRY

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2672445 ONTARIO INC. 1814 9TH LINE ROAD

5 UNIT TOWNHOUSE PROJECT **143 MARSHALL STREET** 

CARLETON PLACE, ON K7C 3P2

ALMONTE

ONTARIO

LOT GRADING, DRAINAGE, SERVICING AND **SEDIMENT & EROSION CONTROL PLAN** 

Project Number: 1:150 PP-19-9576 N.B.V. Prawing Number: T.D.F. C101 Designed By:

— 100 - YEAR WATER ELEVATION (138.98) - 5 - YEAR WATER ELEVATION (138.88) - PROPOSED GROUND SURFACE

PROPOSED EX 150mmØ WM

± 137.64

± 137.83

± 138.06

± 138.10

± 138.23

± 136.79

± 136.84

± 136.92

± 136.94

± 137.03