(BY BY-LAW No. 2019-433 INST. No. OC2181233)

## **SEWER NOTES:**

S11, S11.1 & S11.2.

- 1. CONSTRUCT ALL SEWERS, CATCH BASINS, MANHOLES AND APPURTENANCES IN ACCORDANCE WITH OPSD STANDARDS AND SPECIFICATIONS, AS WELL AS CITY.
- 2. SEWER TRENCHING AND BEDDING SHALL CONFORM TO OPSD 802.010 AND 802.013 UNLESS NOTED OTHERWISE.
- 2.1. BEDDING SHALL BE A MINIMUM 150mm OF GRANULAR "A", COMPACTED TO MINIMUM 95% STANDARD PROCTOR DRY DENSITY. CLEAR STONE BEDDING SHALL NOT BE PERMITTED.
- 2.2. SUB-BEDDING, IF REQUIRED SHALL CONSIST OF 450mm OF COMPACTED GRANULAR "B" TYPE 1.
- 2.3. BACKFILL TO AT LEAST 300mm ABOVE TOP OF PIPE WITH GRANULAR "A" OR GRANULAR "B" TYPE 1.
- 2.4. TO MINIMIZE DIFFERENTIAL FROST HEAVING, TRENCH BACKFILL (FROM PAVEMENT SUBGRADE TO 2.0 METRES BELOW FINISHED GRADE) SHALL MATCH EXISTING SOIL CONDITIONS.
- 3. SANITARY SEWERS AND CONNECTIONS 150mmØ AND SMALLER TO BE PVC SDR-28.
- 4. SEWERS AND CONNECTIONS 200mmØ AND LARGER TO BE PVC SDR-35. BEDDING TO BE TYPE "B" EXCEPT AT RISERS, UNLESS NOTED
- 5. INSULATE ALL STORM AND SANITARY SEWERS/SERVICES THAT HAVE LESS THAN 1.5m OF COVER WITH THERMAL INSULATION AS PER

THE SEWERMAIN AS PER CITY OF OTTAWA STANDARD DRAWING

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

  11. CONCRETE THRUST BLOCKS TO CONFORM TO OPSD 1103.010 AND OPSD TO BE PROPERLY CAPPED AND LOCATED WITH 2"x4"X8' LONG
- 8. CONTRACTOR TO TELEVISE (CCTV) ALL PROPOSED SEWERS ON SITE, OUTLET CONNECTION TO THE MAIN AND PIPES 150mmØ OR GREATER PRIOR TO BASE COURSE ASPHALT. UPON COMPLETION OF CONTRACT, THE CONTRACTOR IS RESPONSIBLE TO FLUSH AND CLEAN ALL SEWERS & APPURTENANCES.
- 9. DYE TESTING IS TO BE COMPLETED ON SANITARY SERVICE TO CONFIRM PROPER CONNECTION TO SANITARY SEWER MAIN.

## WATERMAIN NOTES

- 1. CONSTRUCT ALL WATERMAINS AND APPURTENANCES IN ACCORDANCE WITH OPSD STANDARDS AND SPECIFICATIONS, AS WELL AS CITY
- 2. INDUSTRIAL/COMMERCIAL SERVICE CONNECTIONS TO BE 50mm COPPER PIPING AND SHALL CONFORM TO ASTM B88 TYPE 'K' SOFT.
- 3. WATERMAINS AND/OR WATER SERVICES ARE TO HAVE A MINIMUM COVER OF 2.4m. OTHERWISE THERMAL INSULATION IS REQUIRED AS PER
- 4. IF THE WATERMAIN MUST BE DEFLECTED TO MEET ALIGNMENT, ENSURE THAT THE AMOUNT OF DEFLECTION USED IS EQUAL TO OR LESS THAN

CITY STANDARDS (IF AVAILABLE) OR OPSD 1109.030.

- THAT WHICH IS RECOMMENDED BY THE MANUFACTURER. 5. THERMAL INSULATION OF WATERMAINS AT OPEN STRUCTURES AS PER
- CITY STANDARDS (IF AVAILABLE) OR OPSD 1109.030.
- 6. VALVES TO BE OPERATED BY CITY STAFF ONLY.
- 7. NO CONNECTION TO EXISTING WATER NETWORK SHALL BE COMPLETED UNTIL A WATER PERMIT IS OBTAINED FROM THE CITY. CITY TO BE PRESENT FOR WATERMAIN CONNECTION. CONNECTION, EXCAVATION, BACKFILLING AND REINSTATEMENT TO BE COMPLETED BY CONTRACTOR.
- 8. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ANY WATERMAIN CONNECTION(S) REQUIRED. THIS SHALL BE COMPLETED IN THE PRESENCE OF A DESIGNATED MUNICIPAL WATER OPERATOR AND THE SELECTED CONTRACTOR SHALL PROVE TO THE SATISFACTION OF THE CITY THAT THEY ARE COMPETENT TO PERFORM THE WORKS PRIOR TO
- 6. SEWER CONNECTIONS ARE TO BE MADE ABOVE THE SPRINGLINE OF 9. ALL WATERMAINS SHALL BE EQUIPPED WITH BUTTERFLY AND GATE VALVES AS PER OPSD 1100.011.
  - 10. ALL FIRE HYDRANTS, VALVE AND VALVE BOX HSALL CONFORM TO OPSD

  - 12. ALL WATERMAIN TO BE CLASS 150 DR-18 OR APPROVED EQUIVALENT.
  - 13. ALL WATERMAIN TO BE EQUIPPED WITH TRACER WIRE.

LOCATION PLAN LEGEND — - - — PROPERTY LINE CONCRETE BARRIER CURB \_\_ . \_\_ . \_\_ DRAINAGE SWALE CONCRETE WALKWAY — · · — · · — DRAINAGE DITCH SLOPING AT 3:1
UNLESS SPECIFIED SURFACE ELEVATION INSULATION PER W22 SWALE ELEVATION MH# STORM SEWER MANHOLE CBMH# CATCHBASIN MANHOLE OVERLAND FLOW ROUTE SILT FENCE BARRIER LANDSCAPE CATCHBASIN **EXISTING BUILDING WALL** MH#A SANITARY SEWER MANHOLE STRAW BALE CHECK DAM

FIRE HYDRANT

WATER VALVE

WATER METER

REMOTE WATER METER

## NOT FOR CONSTRUCTION

PROPOSED PLAY AREA

**EXISTING SEWER** 

PROPOSED SEWER

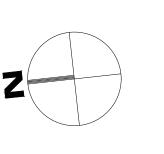
————— LIMIT OF WORK

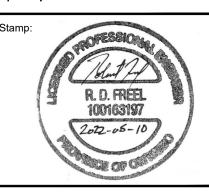
7	REVISED PER COMMENTS	MAY 10, 2022
6	UPDATED PER NEW SITE PLAN	APR. 27, 2022
5	ISSUED FOR TENDER	FEB. 17, 2022
4	ISSUED FOR TENDER	FEB. 10, 2022
3	REVISED PER NEW SP	FEB. 01, 2022
2	UPDATED PER NEW SP	JAN. 07, 2022
1	ISSUED FOR REVIEW	OCT. 15, 2021
No.	Revisions	Date
Check	and verify all dimensions	o not scale drawings

before proceeding with the work

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1633/1635 LYCEE PLACE OTTAWA, ON K1G 0E5 613-733-8522

Drawing Title:

SITE SERVICING PLAN

1:500 CCO-22-1100 R.F.