ACCUMULATED SEDIMENT IS TO BE REMOVED AND DISPOSED OF AS PER OPSS 180. 6. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MONITORED TO ENSURE THEY ARE IN EFFECTIVE WORKING ORDER. THE CONDITION OF THE CONTROL MEASURES SHALL BE MONITORED PRIOR TO ANY FORECAST STORM EVENT AND FOLLOWING A STORM EVENT. 7. DUST CONTROL MEASURES SHOULD BE CONSIDERED PRIOR TO CLEARING AND GRADING. THE USE OF WATER. CALCIUM CHLORIDE FLAKES/SOLUTION OR MAGNESIUM CHLORIDE FLAKES/SOLUTION SHALL BE USED AS DUST SUPPRESSANTS AS PER OPSS 506. THIS IS TO LIMIT WIND EROSION OF SOILS WHICH MAY RANSPORT SEDIMENTS OFFSITE. WHERE THEY MAY BE WASHED INTO THE RECEIVING WATER BY THE NEXT

8. ALL 'GREEN AREAS' TO BE TREATED WITH 150mm TOPSOIL AND SOD AS SOON AS FEASIBLE, AS PER OPSS 570. 9. TOPSOIL TO BE STRIPPED AND STOCKPILED FOR REHABILITATION. CLEAN FILL TO BE PLACED IN FILL AREAS

11. STOCKPILED MATERIAL IS TO BE STORED AWAY FROM POTENTIAL RECEIVERS (E.G. STORM CATCHBASINS. MANHOLES), AND BE SURROUNDED BY EROSION CONTROL MEASURES WHERE MATERIAL IS LEFT IN PLACE IN

12. IF REQUIRED, DEWATERING/SETTLING BASINS SHALL BE CONSTRUCTED AS PER OPSD 219.240 AND LOCATED ON FLAT GRADE UPSTREAM OF OTHER EXISTING MITIGATION MEASURES. WATERCOURSES SHALL NOT BE DIVERTED, OR BLOCKED, AND TEMPORARY WATERCOURSES CROSSINGS SHALL NOT BE CONSTRUCTED OR UTILIZED, UNLESS OTHERWISE SPECIFIED IN THE CONTRACT. IF CLOSURE OF ANY PERMANENT WATER PASSAGE IS NECESSARY, THE CONTRACTOR SHALL RELEASE ANY STRANDED FISH TO THE OPEN PORTION OF THE WATERCOURSE WITHOUT HARM. 13. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL CONFORM TO OPSS 577

14. WHERE DEWATERING IS REQUIRED, THE DISCHARGED WATER SHALL BE CONTROLLED IN ACCORDANCE WITH

15. ALL SETTLING/FILTRATION BASINS SHALL BE EQUIPPED WITH TERRAFIX 270R GEOTEXTILE (OR APPROVED EQUIVALENT) AND SHALL BE CLEANED AND REPLACED AS REQUIRED.

16. CONTRACTOR IS RESPONSIBLE FOR KEEPING THE ROADS FREE AND CLEAN FROM MUD OR DEBRIS FOR THE

SEWER NOTES

1. CONSTRUCT ALL SEWERS AND APPURTENANCES TO CITY OR TOWNSHIP STANDARDS (IF AVAILABLE) OR AS

2. SEWER TRENCHING AND BEDDING SHALL CONFORM TO OPSD 802.010 AND 802.013 UNLESS NOTED

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 2.0m BELOW FINISHED GRADE) SHALL MATCH EXISTING SOIL CONDITIONS.

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

8. INSULATE ALL SEWERS AND/OR SERVICES THAT HAVE LESS THAN 2.0m OF COVER WITH THERMAL INSULATION AS PER OPSD 1109.030.

9. 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. CONTRACTOR TO TELEVISE (CCTV) ALL PROPOSED SEWERS ONSITE, 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.

11. DYE TESTING IS TO BE COMPLETED ON SANITARY SERVICE TO CONFIRM PROPER CONNECTION TO THE

12. ALL CATCHBASIN AND CATCHBASIN MANHOLE LEADS ARE TO BE MINIMUM 200mmØ WITH MINIMUM 1.0% SLOPE UNLESS OTHERWISE NOTED.

13. ALL CATCHBASINS EXCLUDING LANDSCAPE CATCHBASINS ARE TO HAVE 150 mmØ PERFORATED PIPE FOR 3.0m ON ALL AVAILABLE SIDES AS PER CITY OF OTTAWA STANDARD DRAWING 'R1'

1" REBAR FOR BAG REMOVAL FROM DUMP STRAF 1" REBAR FOR BAG REMOVAL -FROM INLET 2 EACH DUMP STRAPS EXPANSION RESTAINT (1/4" NYLON ROPE, 2" INSTALLATION DETAI BAG DETAIL

INLET SEDIMENT CONTROL DEVICE

WATERMAIN NOTES 1. CONSTRUCT ALL WATERMAINS AND APPURTENANCES IN ACCORDANCE WITH OPSD STANDARDS AND SPECIFICATIONS. AS WELL AS CITY OR TOWNSHIP STANDARDS.

2. INDUSTRIAL/COMMERCIAL SERVICE CONNECTIONS TO BE 50mm COPPER PIPING AND SHALL

WATERMAINS AND/OR WATER SERVICES ARE TO HAVE A MINIMUM COVER OF 2.4m. OTHERWISE THERMAL INSULATION IS REQUIRED AS PER CITY OR TOWNSHIP STANDARDS (IF AVAILABLE) OR OPSD

4. 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

USE APPROVED SADDLE CONNECTION WITH MAIN (CORPORATION) STOP AS PER CITY OF OTTAWA

6. CONNECTION TO EXISTING BY CITY OR TOWNSHIP FORCES. EXCAVATION, BACKFILLING AND REINSTATEMENT IS TO BE COMPLETED BY THE CONTRACTOR

THERMAL INSULATION OF WATERMAINS AT OPEN STRUCTURES AS PER CITY OR TOWNSHIP STANDARDS (IF AVAILABLE) OR OPSD 1109.030. THERMAL INSULATION OF WATERMAINS UNDER ROAD SIDE DITCHES AS PER CITY OF OTTAWA

9. SWABBING, CHLORINATION AND CONTINUITY TESTING FOR PROPOSED WATER SERVICES IS TO FOLLOW CITY OF OTTAWA SPECIAL PROVISIONS #SP-4491 & SP-4494.

PROPOSED AREA DRAIN-TO BE ACCOMODATED AND SPECIFIED BY MECHANICAL SILT FENCE TO BE PLACED~ PRIOR TO CONSTRUCTION

PROPOSED CURB PER SC1.1 - TOP OF \ CURB TO TAPER DOWN AND TIE INTO EXISTING GRADES 72.43 BC FOUNDATIÓN WALL N. 04119 TRENCH DRAIN AT THE-

0.2 North \| / ±To Line

BOTTOM OF RAMP TO BE DIRECTED TO CISTERN. TO BE ACCOMODATED AND OF SPECIFIED BY MECHANICALNO ×72.22 PROPOSED BUILDING 72.41 (REFER TO ARCHITECTURAL PLANS) IDM3 INTERNAL CIŞTERN PER MECHANIÇAL PLAN

P. I. N. 04119 - 0012 i

PROPOSED

FOUNDATION WALL

1.77BW

asphal and aravel REGULATINGS 5₃₂ | STATION 71.89

14.2 m-250mm Ø STM SERVICE @ 2.0% \ REMOVE AND REINSTATE-Brick Sided Dwelli (Brick Noted) INV. +/- 69.57 \CONCRETE CURB PLANTER FOUNDATION DRAIN TO CONNECTED DOWNSTREAM OF PROPOSED CURB PER SC1.1 - TOP OF-CISTERN CONTROLS, G/M/BACKWATER VALVE AS PART OF CURB TO TAPER DOWN AND TIE INTO XÎNTERNAL PLUMBÎNG SYSTEM. ROOF DRAINAGE TO BE EXISTING GRADES

Elevation=82.9

Door Sill→

71.88 T

Elevation=72.7

Interlock

SOMERSET STREET WEST

REPLACE EXISTING DEPRESSED OURB AND

PER CITY STD.SC1.1 and SC1.3

SIDEWALK WITH FULL HEIGHT BARRIER CURB

600mmø Storm Sewer @ 0.15%

CONVEYED TO INTERNAL CISTERN WITHOUT RESTRICTION. 12.1 m-200mmØ SAN SERVICE @ 4.6%¬ _____INV_n+/- 68.59

C/W BACKWATER VALVE PER \$14.1

SAN CROSSING WTR-SANITARY OBV+/- 68.46

71 84 EX. WTR INVERT +/- 68.95

AT WATER CROSSING EX. WATER TOP +/- 68.93 EXCAVATE, STORM INVERT +/- 69.43 BACKFILL, AND -CONNECT TO EXISTING REINSTATE AS PER 600mmØ STM WITH VERTICAL RISER PER CITY

ղ**ℤ.90 m-150mmØ WT**℞¬╲Չ

BLDG TOP = $69.4\hat{6}$

No. 226

2½ Storey

Brick Sided Dwelling

(Brick Noted)

Roof Peak

PROTECT CB PER DETAIL-

TIE INTO EXISTING CURB, BOULEVARD AND SIDEWALK

-FULLY DEPRESSED

PER CITY STD.7.1

CONCRETE SIDEWALK

BOULEVARD AND SIDEWALK

-PROTECT CB PER DETAIL

-REPLACE EXISTING DEPRESSED CURB AND

PER CITY \$TD.SC1 1 and \$CB3

T/G = 71.68

T/G=71.67

√nvN(City)=±67.8 $lnvE(City) = \pm 68.6$ $\ln vN(City) = \pm 67.6$

SIDEWALK WITH FULL HEIGHT BARRIER CURB

EXISTING BELL TO BE

-WTR CROSSING SAN

SANITARY OBV+/- 68.11

CONNECTION TO EXISTING

406mm DIA. WATERMAIN

BY CITY FORCES. TVS TO BE

71 ØËTERMINED IN THE FIELD.

REINSTATEMENT BY SITE

SERVICING CONTRACTOR

EXCAVATE, BACKFILL,

AND REINSTATE AS

APPROXIMATE LOCATION OF-

APPROXIMATELY 44m TO

SIAMESE CONNECTION

PER CITY STD R10

EXISTING HYDRANT

WTR CROSSING SAN SANITARY OBV+/- 68:1/3

−EXTENT OF

OVERFLOW,

PER S26.1

GARAGE BELOW

WTR INVERT +/- 69.20

-CISTERN ACCESS AND

FRAME AND COVER

 $\sqrt{\text{Inv(City)}} = \pm 67.7$

 $Inv(City)=\pm 68.7$

EXCAVATION AND

 $TOP = \pm 69.80$

WTR INVERT +/- 69.24

JURISDICTION

SUPPORTED IN ACCORDANCE

WITH AUTHORITY HAVING

CONTINUOUS

71.59DC

71.58DC

71.79TC

PROTECT CB PER DETAIL-

EXISTING HYDRO TO BE SUPPORTED

-MAINTAIN 0.5m SEPARATION

HAVING JURISDICTION

Elevation=82.9

MUD MAT TO BE PLACED-

PRIOR TO CONSTRUCTION

P. I. N. 04119 - 0013

71.86BW

PROPOSED CURB - TOP OF

CURB TO TAPER DOWN AND TIE INTO

EXISTING GRADE AT BACK OF SIDEWALK

71.82BW

STD.S11.1 EX.INV. +/- 68.80 ±&X.SPRING LINE;±/769:10 _ +PROPOSED INV., 69,10 CONNECT TO EXISTING-Edge of Aspalt (CONNECTION TO BE AT OR 450mmØ SAN ABOVE SPRINGLINE) EX. INV. +/- 67.80

EX. SPRING LINE +/- 68.03 PROPOSED INV. 68.03 (CONNECTION TO BE AT OR ABOVE SPRINGLINE)

.ocatiòn plan

LEGEND EXTENT OF GARAGE EXISTING DEPRESSED _____ epressed Curb CURB SILT FENCE (AS PER OPSD 219.130) BARRIER CURB **CURB DEPRESSION** STRAW BALE CHECK DAM MOUNTABLE CURB (AS PER OPSD 219.180) EASEMENT **BUILDING ENTRANCES HEAVY DUTY ASPHALT** (MAIN, SIDE, OVERHEAD) WATER COVER TABLE POIN CONCRETE SIDEWALK CROSSING CONFLICT TABLE PAVING STONE LOCATION STORM MANHOLE ROOF DOWNSPOUT CB6 ■ CATCHBASIN OR DITCH INLET LOCATION ECB4€ = ■ LANDSCAPE CATCHBASIN REMOTE METER —MH7A SANITARY MANHOLE METER PERFORATED PIPE IN SWALES MUD MAT WATER VALVE/CHAMBER FIRE HYDRANT CENTRELINE OF SWALE SLOPING AT 3:1 (UNLESS SPECIFIED) PROPOSED ELEVATION **EXISTING ELEVATION** SWALE ELEVATION T/W100.50 TOP OF WALL ELEVATION

BOTTOM OF WALL ELEVATION

EMERGENCY OVERLAND

FLOW ROUTE

before proceeding with the work

³B/w90.50

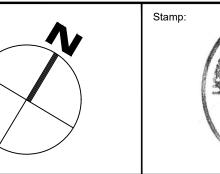
ISSUED FOR MUNICIPAL REVIEW AUG. 12, 202 ISSUED FOR SITE PLAN CONTROL FEB. 19, 2021 FEB. 18, 2021 ISSUED FOR COORDINATION ISSUED FOR COORDINATION DEC. 12, 2020 NOV. 27, 2020 ISSUED FOR COORDINATION Date Revisions Check and verify all dimensions

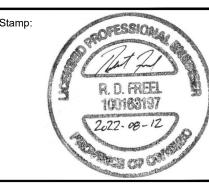
SCALE 1:150

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Do not scale drawings

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18 STOREY APARTMENT BUILDING 311 SOMERSET STREET WEST

SITE GRADING, DRAINAGE, SERVICING, EROSION, AND SEDIMENT CONTROL PLAN

1:150 CCO-21-2341 Drawn By: C.M.K. R.D.F. C.M.K.