

ROOF DRAIN (B1)			ROOF DRAIN (B3A)			ROOF DRAIN (B3C)		
TYPE OF CONTROL DEVICE	WATTS DRAINAGE RD-100-A-ADJ (FULLY EXPOSED)		TYPE OF CONTROL DEVICE	WATTS DRAINAGE RD-100-A-ADJ (FULLY EXPOSED)		TYPE OF CONTROL DEVICE	WATTS DRAINAGE RD-100-A-ADJ (FULLY EXPOSED)	
NUMBER OF ROOF DRAINS	5-YEAR	100-YR	NUMBER OF ROOF DRAINS	5-YEAR	100-YR	NUMBER OF ROOF DRAINS	5-YEAR	100-YR
ROOFTOP STORAGE (m³)	1.12	1.72	ROOFTOP STORAGE (m³)	1.98	3.95	ROOFTOP STORAGE (m³)	2.51	4.81
DEPTH OF FLOW (m)	0.025	0.045	DEPTH OF FLOW (m)	0.030	0.050	DEPTH OF FLOW (m)	0.30	0.055
FLOW PER ROOF DRAIN (L/S)	0.32	0.57	FLOW PER ROOF DRAIN (L/S)	0.38	0.63	FLOW PER ROOF DRAIN (L/S)	0.38	0.69
TOTAL FLOW	0.32	0.57	TOTAL FLOW	0.38	0.63	TOTAL FLOW	0.38	0.69

ROOF DRAIN (B2)			ROOF DRAIN (B3B)			ROOF DRAIN (B4)		
TYPE OF CONTROL DEVICE	WATTS DRAINAGE RD-100-A-ADJ (FULLY EXPOSED)		TYPE OF CONTROL DEVICE	WATTS DRAINAGE RD-100-A-ADJ (FULLY EXPOSED)		TYPE OF CONTROL DEVICE	WATTS DRAINAGE RD-100-A-ADJ (FULLY EXPOSED)	
NUMBER OF ROOF DRAINS	5-YEAR	100-YR	NUMBER OF ROOF DRAINS	5-YEAR	100-YR	NUMBER OF ROOF DRAINS	5-YEAR	100-YR
ROOFTOP STORAGE (m³)	0.17	0.34	ROOFTOP STORAGE (m³)	1.70	3.47	ROOFTOP STORAGE (m³)	0.72	1.32
DEPTH OF FLOW (m)	0.015	0.025	DEPTH OF FLOW (m)	0.025	0.040	DEPTH OF FLOW (m)	0.020	0.040
FLOW PER ROOF DRAIN (L/S)	0.19	0.32	FLOW PER ROOF DRAIN (L/S)	0.32	0.50	FLOW PER ROOF DRAIN (L/S)	0.25	0.50
TOTAL FLOW	0.19	0.32	TOTAL FLOW	0.32	0.50	TOTAL FLOW	0.25	0.50

**NOTE: CONTRACTOR IS RESPONSIBLE TO KEEP THE ROADS FREE AND CLEAN FROM MUD OR DEBRIS**

CONTRACTOR TO LOCATE AND PROTECT EXISTING HYDRO AND GAS DURING CONSTRUCTION

CONTRACTOR TO TIE INTO EXISTING SIDEWALK GRADES

PROPOSED CONCRETE PATHWAY

PRESSURE REGULATING STATION, REFER TO ELECTRICAL FOR MORE DETAILS

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG SIDEWALK

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE

ROAD CUT AND REINSTATEMENT AS PER CITY STANDARD DRAWING R10

150mm Ø STM INV. 61.50 EX. 375mm Ø INV. 61.30 CONNECT ABOVE SPRINGLINE AS PER S11.1

100mm Ø SAN INV. 61.13 EX. 250mm Ø INV. 60.20 CONNECTION WITH VERTICAL RISER AS PER CITY STANDARD DRAWING S11.1

CONNECT TO EX. 300mm Ø WTR EX. TOP: 60.85 TOP: 60.75 (CONNECTION BY CITY FORCES)

CONTRACTOR TO REINSTATE CURB TO MATCH EXISTING GRADES

CONTRACTOR TO TIE INTO EXISTING SIDEWALK GRADES ALONG PROPERTY LINE

CONTRACTOR TO REINSTATE EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO REINSTATE EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO REINSTATE EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO LOCATE AND PROTECT EXISTING HYDRO AND GAS DURING CONSTRUCTION

CONTRACTOR TO TIE INTO EXISTING SIDEWALK GRADES

PROPOSED CONCRETE PATHWAY

PRESSURE REGULATING STATION, REFER TO ELECTRICAL FOR MORE DETAILS

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG SIDEWALK

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO LOCATE AND PROTECT EXISTING HYDRO AND GAS DURING CONSTRUCTION

CONTRACTOR TO TIE INTO EXISTING SIDEWALK GRADES

PROPOSED CONCRETE PATHWAY

PRESSURE REGULATING STATION, REFER TO ELECTRICAL FOR MORE DETAILS

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG SIDEWALK

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO LOCATE AND PROTECT EXISTING HYDRO AND GAS DURING CONSTRUCTION

CONTRACTOR TO TIE INTO EXISTING SIDEWALK GRADES

PROPOSED CONCRETE PATHWAY

PRESSURE REGULATING STATION, REFER TO ELECTRICAL FOR MORE DETAILS

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG SIDEWALK

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO LOCATE AND PROTECT EXISTING HYDRO AND GAS DURING CONSTRUCTION

CONTRACTOR TO TIE INTO EXISTING SIDEWALK GRADES

PROPOSED CONCRETE PATHWAY

PRESSURE REGULATING STATION, REFER TO ELECTRICAL FOR MORE DETAILS

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG SIDEWALK

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO LOCATE AND PROTECT EXISTING HYDRO AND GAS DURING CONSTRUCTION

CONTRACTOR TO TIE INTO EXISTING SIDEWALK GRADES

PROPOSED CONCRETE PATHWAY

PRESSURE REGULATING STATION, REFER TO ELECTRICAL FOR MORE DETAILS

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG SIDEWALK

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO LOCATE AND PROTECT EXISTING HYDRO AND GAS DURING CONSTRUCTION

CONTRACTOR TO TIE INTO EXISTING SIDEWALK GRADES

PROPOSED CONCRETE PATHWAY

PRESSURE REGULATING STATION, REFER TO ELECTRICAL FOR MORE DETAILS

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG SIDEWALK

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO LOCATE AND PROTECT EXISTING HYDRO AND GAS DURING CONSTRUCTION

CONTRACTOR TO TIE INTO EXISTING SIDEWALK GRADES

PROPOSED CONCRETE PATHWAY

PRESSURE REGULATING STATION, REFER TO ELECTRICAL FOR MORE DETAILS

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG SIDEWALK

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO LOCATE AND PROTECT EXISTING HYDRO AND GAS DURING CONSTRUCTION

CONTRACTOR TO TIE INTO EXISTING SIDEWALK GRADES

PROPOSED CONCRETE PATHWAY

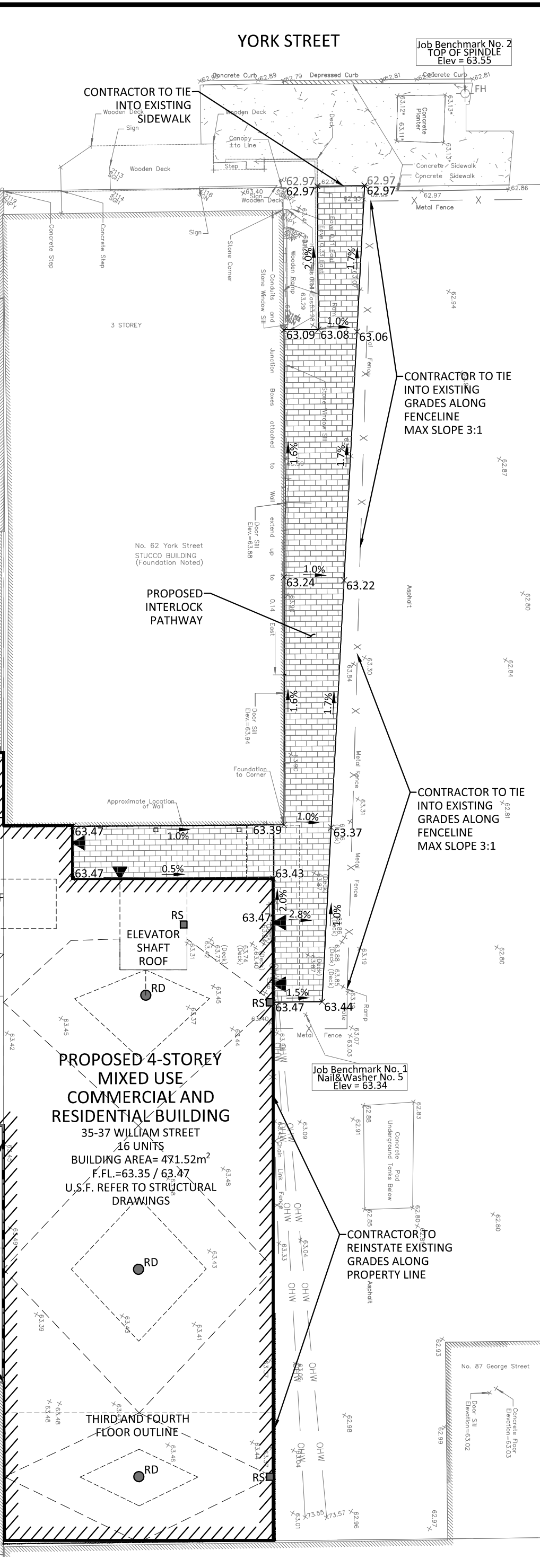
PRESSURE REGULATING STATION, REFER TO ELECTRICAL FOR MORE DETAILS

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG SIDEWALK

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE



CONTRACTOR TO LOCATE AND PROTECT EXISTING HYDRO AND GAS DURING CONSTRUCTION

CONTRACTOR TO TIE INTO EXISTING SIDEWALK GRADES

PROPOSED CONCRETE PATHWAY

PRESSURE REGULATING STATION, REFER TO ELECTRICAL FOR MORE DETAILS

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG SIDEWALK

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO LOCATE AND PROTECT EXISTING HYDRO AND GAS DURING CONSTRUCTION

CONTRACTOR TO TIE INTO EXISTING SIDEWALK GRADES

PROPOSED CONCRETE PATHWAY

PRESSURE REGULATING STATION, REFER TO ELECTRICAL FOR MORE DETAILS

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG SIDEWALK

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO LOCATE AND PROTECT EXISTING HYDRO AND GAS DURING CONSTRUCTION

CONTRACTOR TO TIE INTO EXISTING SIDEWALK GRADES

PROPOSED CONCRETE PATHWAY

PRESSURE REGULATING STATION, REFER TO ELECTRICAL FOR MORE DETAILS

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG SIDEWALK

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO LOCATE AND PROTECT EXISTING HYDRO AND GAS DURING CONSTRUCTION

CONTRACTOR TO TIE INTO EXISTING SIDEWALK GRADES

PROPOSED CONCRETE PATHWAY

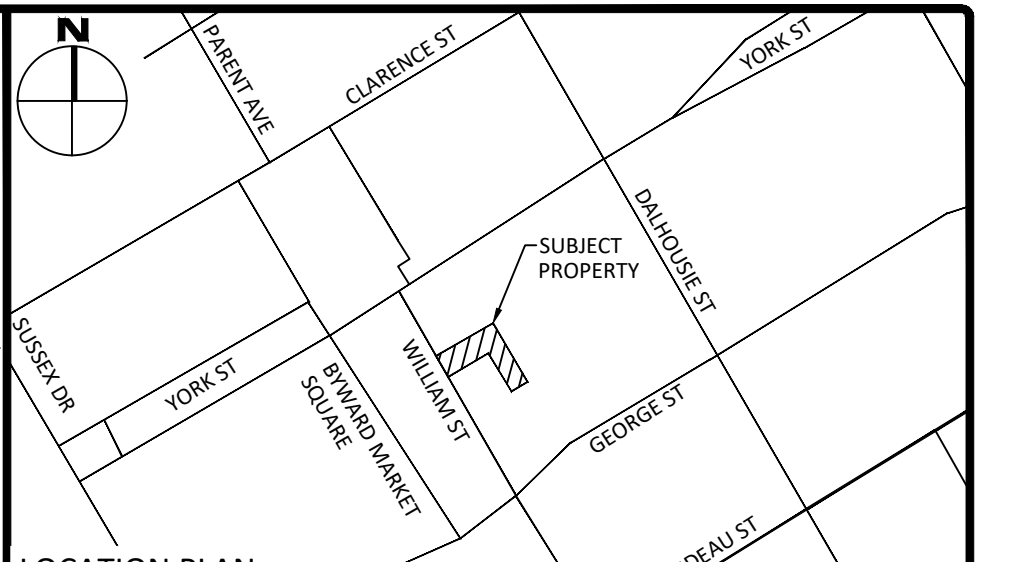
PRESSURE REGULATING STATION, REFER TO ELECTRICAL FOR MORE DETAILS

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG SIDEWALK

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE

CONTRACTOR TO TIE INTO EXISTING GRADES ALONG PROPERTY LINE



**LEGEND**

DC	BARRIER CURB	○	SILT FENCE
○	DEPRESSED CURB	⊗	STRAW BALE CHECK DAM
○	MOUNTABLE CURB	○	(AS PER OPSD 219.180)
○	EASEMENT	○	SEDIMENT CONTROL DEVICE
○	STORM MANHOLE	○	ROOF DRAIN LOCATION
○	CATCHBASIN OR DITCH INLET	○	ROOF SCUPPER LOCATION
○	c/w 3.0m SUBDRAIN STUBS	○	CROSSING CONFLICT LOCATION
○	LANDSCAPE CATCHBASIN	○	HEAVY DUTY PAVEMENT
○	PERFORATED PIPE	○	EXISTING CONCRETE
○	SANITARY MANHOLE	○	PROPOSED CONCRETE
○	WATER VALVE/CHAMBER	○	PROPOSED INTERLOCK
○	FIRE HYDRANT	○	5-YEAR STORM LEVEL
○	PRESSURE REDUCING VALVE	○	100-YEAR STORM LEVEL
○	SERVICE LATERAL LOCATION	○	
○	CENTRELINE OF SWALE	○	
○	SLOPING AT 3:1 (UNLESS SPECIFIED)	○	
○	PROPOSED ELEVATION	○	
○	EXISTING ELEVATION	○	
○	SWALE ELEVATION	○	
○	TOP OF WALL ELEVATION	○	
○	BOTTOM OF WALL ELEVATION	○	
○	FINISHED FLOOR	○	
○	TOP OF FOUNDATION	○	
○	UNDERSIDE OF FOOTING	○	
○	MINIMUM U.S.F.	○	
○	EMERGENCY OVERLAND FLOW ROUTE	○	

**FOR REVIEW ONLY**  
**NOT FOR CONSTRUCTION**

No.	Revisions	Date
3	UPDATED AS PER CITY COMMENTS	May 6, 2020
2	ISSUED FOR REVIEW	FEB. 03, 2020
1	ISSUED FOR REVIEW	DEC. 18, 2019

Check and verify all dimensions before proceeding with the work. Do not scale drawings.

SCALE 1 : 500

0 10 20 30 40 50 Metres

**McINTOSH PERRY**  
115 Walgreen Road, RR3, Carp, ON K0A 1L0  
Tel: 613-836-2184 Fax: 613-836-3742  
www.mcintoshperry.com

Client: **VITTORIA TRATTORIA**  
35 WILLIAM STREET  
OTTAWA, ON K1N 6Z9

Project: **VITTORIA TRATTORIA**  
35-37 WILLIAM STREET RE-DEVELOPMENT

OTTAWA ONTARIO

Drawing Title: **REMOVALS, SITE SERVICING, LOT GRADING, DRAINAGE, SEDIMENT AND EROSION CONTROL PLAN**

Scale: 1:150 Project Number: CP-19-0588

Drawn By: N.B.V. Checked By: T.D.F. Designing By: N.B.V.

Stamp: **T. D. FERGUSON**  
2020/05/06  
PROVINCE OF ONTARIO

- 1 REMOVALS**  
**C101**
- SEWER NOTES:**
- CONSTRUCT ALL SEWERS, CATCH BASINS, MANHOLES AND APPURTENANCES IN ACCORDANCE WITH OPSD STANDARDS AND SPECIFICATIONS, AS WELL AS CITY STANDARDS.
  - SEWER TRENCHING AND BEDDING SHALL CONFORM TO OPSD 802.020 AND 802.033 UNLESS NOTED OTHERWISE.
  - BEDDING SHALL BE A MINIMUM 150mm OF GRANULAR "A", COMPACTED TO MINIMUM 95% STANDARD PROCTOR DRY DENSITY. CLEAR STONE BEDDING SHALL NOT BE PERMITTED. SUB-BEDDING, IF REQUIRED SHALL CONSIST OF 450mm OF COMPACTED GRANULAR "B" TYPE 1.
  - BACKFILL TO AT LEAST 300mm ABOVE TOP OF PIPE WITH GRANULAR "A" OR GRANULAR "B" TYPE 1.
  - TO MINIMIZE DIFFERENTIAL FROST HEAVING, TRENCH BACKFILL (FROM PAVEMENT SUBGRADE TO 2.0 METRES BELOW FINISHED GRADE) SHALL MATCH EXISTING SOIL CONDITIONS.
  - SANITARY SEWERS AND CONNECTIONS 150mm Ø AND SMALLER TO BE PVC SDR-28.
  - SEWERS AND CONNECTIONS 200mm Ø AND LARGER TO BE PVC SDR-35. BEDDING TO BE TYPE "B" EXCEPT AT RISERS, UNLESS NOTED OTHERWISE.
  - INSULATE ALL STORM AND SANITARY SEWERS/SERVICES THAT HAVE LESS THAN 1.5m OF COVER WITH THERMAL INSULATION AS PER OPSD 1109.030.
  - SEWER CONNECTIONS ARE TO BE MADE ABOVE THE SPRINGLINE OF THE SEWERMAIN AS PER CITY OF OTTAWA STANDARD DRAWING S11, S11.1 & S11.2.
  - 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" LONG MARKER.
  - CONTRACTOR TO TELEVISION (CCTV) ALL PROPOSED SEWERS ON SITE. OUTLET CONNECTION TO THE MAIN AND PIPES 150mm Ø OR GREATER PRIOR TO BASE COURSE ASPHALT. UPON COMPLETION OF CONTRACT, THE CONTRACTOR IS RESPONSIBLE TO FLUSH AND CLEAN ALL SEWERS & APPURTENANCES.
  - DYE TESTING IS TO BE COMPLETED ON SANITARY SERVICE TO CONFIRM PROPER CONNECTION TO SANITARY SEWER MAIN.

- WATERMAIN NOTES**
- CONSTRUCT ALL WATERMANS AND APPURTENANCES IN ACCORDANCE WITH OPSD STANDARDS AND SPECIFICATIONS, AS WELL AS CITY STANDARDS.
  - INDUSTRIAL/COMMERCIAL SERVICE CONNECTIONS TO BE 50mm COPPER PIPING AND SHALL CONFORM TO ASTM B88 TYPE "K" SOFT.
  - WATERMANS AND/OR WATER SERVICES ARE TO HAVE A MINIMUM COVER OF 2.4m. OTHERWISE THERMAL INSULATION IS REQUIRED AS PER CITY STANDARDS (IF AVAILABLE) OR OPSD 1109.030.
  - 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.
  - THERMAL INSULATION OF WATERMANS AT OPEN STRUCTURES AS PER CITY STANDARDS (IF AVAILABLE) OR OPSD 1109.030.
  - VALVES TO BE OPERATED BY CITY STAFF ONLY.
  - 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.
  - IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE CITY OF ANY WATERMAIN CONNECTIONS 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 INITIATING CONSTRUCTION.
  - ALL WATERMANS SHALL BE EQUIPPED WITH BUTTERFLY AND GATE VALVES AS PER OPSD 1100.011.
  - ALL FIRE HYDRANTS, VALVE AND VALVE BOX SHALL CONFORM TO OPSD 1103.020.
  - CONCRETE THRUST BLOCKS TO CONFORM TO OPSD 1103.010 AND OPSD 1103.020.
  - WATERMAIN TO BE CLASS 150 DR-18 OR APPROVED EQUIVALENT.
  - ALL WATERMAIN TO BE EQUIPPED WITH TRACER WIRE.

- 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 INFORMATION SHOWN.
  - 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) FARLEY, SMITH, DENIS SURVEYING LTD. FILE NO. S23-19, DATED OCTOBER 29, 2019 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.
  - THE CONTRACTOR IS TO OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY BEFORE COMMENCING CONSTRUCTION.
  - THE CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT.
  - 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 PROMPTLY.
  - RESTORE ALL TRENCHES AND SURFACES OF PUBLIC ROAD ALLOWANCES TO CONDITION EQUAL OR BETTER THAN ORIGINAL CONDITION AND TO THE SATISFACTION OF THE CITY AUTHORITIES.
  - EXCAVATE AND DISPOSE OF ALL EXCESS EXCAVATED MATERIAL, SUCH AS ASPHALT, CURBING AND DEBRIS, OFF SITE AS DIRECTED BY THE ENGINEER AND THE CITY.
  - TOPSOIL TO BE STRIPPED AND STOCKPILED FOR REHABILITATION. CLEAN FILL TO BE PLACED IN FILL AREAS AND COMPACTED TO 95% STANDARD PROCTOR DENSITY.
  - ALL DISTURBED AREAS TO BE RESTORED TO ORIGINAL CONDITION OR BETTER UNLESS OTHERWISE SPECIFIED.

- 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 BARRIERS.
- DO NOT ALTER GRADING OF THE SITE WITHOUT APPROVAL OF THE ENGINEER/CITY.
- ALL ROADWAY, PARKING LOT, AND GRADING WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH CITY STANDARDS AND SPECIFICATIONS. THE CONTRACTOR IS TO PROVIDE POSITIVE DRAINAGE AWAY FROM THE BUILDING.
- CONTACT THE CITY FOR INSPECTION OF ROUGH GRADING OF PARKING LOTS, ROADWAYS AND LANDSCAPED AREAS PRIOR TO PLACEMENT OF ASPHALT AND TOPSOIL. ALL DISCREPANCIES NOTED SHALL BE RECTIFIED TO THE CITY'S SATISFACTION PRIOR TO PLACEMENT OF ANY ASPHALT, TOPSOIL, SEED & MULCH AND/OR SOD.
- ALL DIMENSIONS AND INVERTS MUST BE VERIFIED PRIOR TO CONSTRUCTION. IF THERE IS ANY DISCREPANCY THE CONTRACTOR IS TO NOTIFY THE ENGINEER PROMPTLY.
- ELECTRICAL, GAS, TELEPHONE AND TELEVISION SERVICE LOCATIONS ARE SUBJECT TO THE INDIVIDUAL AGENCY.
  - ELECTRICAL SERVICE - HYDRO ONE,
  - GAS SERVICE - ENBRIDGE,
  - TELEPHONE SERVICE - BELL CANADA,
  - TELEVISION SERVICE - ROGERS
- INSTALLATION TO BE IN ACCORDANCE WITH CURRENT CODES AND STANDARDS OF APPROVAL AGENCIES HYDRO ONE, BELL AND THE CITY.
- CONTRACTOR TO ENSURE ALL APPLICABLE OPS SPECIFICATIONS ARE FOLLOWED DURING CONSTRUCTION
- ALL PROPOSED CURB TO BE CONCRETE BARRIER CURB UNLESS OTHERWISE SPECIFIED.
- THIS PLAN MUST BE READ IN CONJUNCTION WITH THE GEOTECHNICAL INVESTIGATION COMPLETED BY PATERSON GROUP, DATED OCTOBER 7, 2019 REPORT #PG5042-1.

**2 SERVICING, SITE GRADING AND DRAINAGE**  
**C101**

**WATER COVER TABLE**

LOCATION	STATION	FINISHED GRADE	TOP OF PIPE	COVER
300 X 100 TEE	0+000.00	63.15	60.75	2.40
VALVE	0+001.00	63.10	60.70	2.40
BUILDING	0+006.34	63.31	60.91	2.40

**CROSSING CONFLICT TABLE**

LOCATION	DESCRIPTION	SEPARATION
1	150mm Ø STM SERVICE INV 61.54	1.08
2	150mm Ø STM SERVICE INV 61.58	0.78
3	300mm Ø WATERMAIN OBY 60.80	1.08
4	150mm Ø STM SERVICE INV 61.54	1.08
4	150mm Ø SAN SEWER OBY 60.46	0.76
5	300mm Ø WATERMAIN OBY 60.82	0.31
5	100mm Ø SAN SEWER INV 61.16	
5	300mm Ø WATERMAIN TOP 60.85	

\*NOTE: CONTRACTOR TO ENSURE A MINIMUM OF 0.30m OF VERTICAL SEPARATION BETWEEN EXISTING UTILITIES, SEWERS, AND PROPOSED SERVICES

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

NOTE: ROOF SCUPPER LOCATIONS ARE SHOWN FOR INFORMATION PURPOSES ONLY. REFER TO MECHANICAL/ARCHITECTURAL DRAWINGS FOR MORE DETAILS

D07-12-20-006