

	SAN STRUCTURE TABLE					
NAME	RIM ELEV.	INVERT IN	INVERT OUT	DESCRIPTION		
MH1A	96.41	\$90.317	NW90.280	STRUC: OPSD 701.02 FRAME: CITY S25 COVER: CITY S24		

	RIM			
NAME	ELEV.	INVERT IN	INVERT OUT	DESCRIPTION
CB1	92.80	SW90.580	N90.549	STRUC: OPSD 705.010 FRAME: CITY S19 COVER: CITY S19 C/W CB SHIELD
CB6	95.88		S94.856	STRUC: OPSD 705.010 FRAME: CITY S19 COVER: CITY S19
СВМН2	91.83	S90.330	N90.300	STRUC: OPSD 701.010 FRAME: CITY S25 COVER: CITY S24.1
СВМН4	96.29	S94.090	NE90.734	STRUC: OPSD 701.010 FRAME: CITY S25 COVER: CITY S28.1 C/W EXTERNAL DROP STRUCTURE PER OPSD 1003.010
LSCB7	91.84		NW90.150	PER CITY STANDARD S31
LSCB8	93.98		NW90.240	PER CITY STANDARD S31
LSCB9	95.11		E94.228	PER CITY STANDARD S31
LSCB10	95.06		E94.545	PER CITY STANDARD S31
LSCB11	95.68		E94.907	PER CITY STANDARD S31
LSCB12	91.89		E90.550	PER CITY STANDARD S31
MH 3	92.47	SE90.560 SW90.520	NE90.086	STRUC: OPSD 701.010 FRAME: CITY S25 COVER: CITY S24.1
MH5	91.49	SW89.950	NE89.922	STRUC: OPSD 701.010 FRAME: CITY S25 COVER: CITY S24.1

	CROSSING CONFLICT TABLE	
LOCATION	DESCRIPTION	SEPARATION
1	150mmØ WTR SERVICE TOP 92.24 250mmØ STM SEWER INV 95.68	2.37
2	150mmØ WTR SERVICE TOP 93.31 250mmØ STM SEWER INV 95.56	2.25
3	200mmØ STM SERVICE INV 90.65 150mmØ SAN SERVICE TOP 90.32	0.30

-SUBJECT SITE SUMAC STREET LOCATION PLAN LEGEND LIMIT OF CONSTRUCTION CONCRETE BARRIER CURB ---- DRAINAGE SWALE CONCRETE WALKWAY — — — — — DRAINAGE DITCH PAVER WALKWAY PROPOSED ASPHALT SURFACE ELEVATION LSCB# LANDSCAPING CATCHBASIN SWALE ELEVATION CATCHBASIN MANHOLE TOP OF WALL ELEVATION BOTTOM OF WALL ELEVATI CATCHBASIN OVERLAND FLOW ROUTE SANITARY SEWER MANHOLE SILT FENCE BARRIER FIRE HYDRANT STRAW BALE CHECK DAM WATER VALVE MUD MAT REMOTE WATER METER RETAINING WALL ISSUED FOR SITE PLAN CONTROL OCT. 05, 2023

1. 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

T/G 91.49

PROVIDE RIP RAP

- 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) J.D. BARNES DRAWING 22-10-111-00 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.
- BEFORE COMMENCING CONSTRUCTION. 4. 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
- BETTER THAN ORIGINAL CONDITION AND TO THE SATISFACTION OF THE CITY AUTHORITIES. EXCAVATE AND DISPOSE OF ALL EXCESS EXCAVATED
- 8. TOPSOIL TO BE STRIPPED AND STOCKPILED FOR
- 9. ALL DISTURBED AREAS TO BE RESTORED TO ORIGINAL
- 10. 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.

HEADWALL PER OPSD 804.030

INV OUT = 89.72 TOP = 90.81

←PROPOSED CONCRETE

WEIR. REFER TO C101

11. DO NOT ALTER GRADING OF THE SITE WITHOUT PRIOR APPROVAL OF THE ENGINEER/CITY. 12. 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

3.69m - 200mmØ STM @ 2.00%

- 13. CONTACT THE CITY FOR INSPECTION OF ROUGH GRADING OF PARKING LOTS, ROADWAYS AND LANDSCAPED AREAS PRIOR TO PLACEMENT OF ASPHALT AND TOPSOIL, ALL DEFICIENCIES NOTED SHALL BE RECTIFIED TO THE CITY'S SATISFACTION PRIOR TO PLACEMENT OF ANY ASPHALT, TOPSOIL, SEED & MULCH AND/OR SOD.
- 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 - HYDRO ONE, • GAS SERVICE - ENBRIDGE, • TELEPHONE SERVICE - BELL CANADA, • TELEVISION SERVICE - ROGERS.
- CODES AND STANDARDS OF APPROVAL AGENCIES HYDRO ONE, BELL AND THE CITY. 17. CONTRACTOR TO ENSURE ALL APPLICABLE OPS SPECIFICATIONS ARE FOLLOWED DURING

16. INSTALLATION TO BE IN ACCORDANCE WITH CURRENT

- 18. ALL PROPOSED CURB TO BE CONCRETE BARRIER CURB UNLESS OTHERWISE SPECIFIED.
- 19. THIS PLAN MUST BE READ IN CONJUNCTION WITH THE GEOTECHNICAL INVESTIGATION COMPLETED BY PATERSON GROUP, DATED MAY 16, 2023.

WATERMAIN NOTES

ELEV = 89.90 $AREA = 88.9 \text{ m}^2$

-100-YEAR STORAGE

-100-YEAR + 20% STORAGE

VOL = 5.8 m³

ELEV = 89.98

ELEV = 89.99 AREA = 110.0 m $VOL = 15.2 \text{ m}^3$

HEADWALL PE

OPSD 804.030 NV OUT = 90.22

INSULATE PER S35.

 \uparrow TOP = 91.31

 $AREA = 108.3 \text{ m}^2$

- CONSTRUCT ALL WATERMAINS AND
 APPURTENANCES IN ACCORDANCE WITH OPSD STANDARDS AND SPECIFICATIONS, AS WELL AS
- HAVE A MINIMUM COVER OF 2.4m. OTHERWISE THERMAL INSULATION IS REQUIRED AS PER CITY STANDARDS (IF AVAILABLE) OR OPSD 1109.030. 3. IF THE WATERMAIN MUST BE DEFLECTED TO MEET ALIGNMENT, ENSURE THAT THE AMOUNT OF DEFLECTION USED IS EQUAL TO OR LESS THAN

2. WATERMAINS AND/OR WATER SERVICES ARE TO

4. THERMAL INSULATION OF WATERMAINS AT OPEN STRUCTURES AS PER CITY STANDARDS (IF AVAILABLE) OR OPSD 1109.030.

MANUFACTURER.

CONSTRUCTION.

THAT WHICH IS RECOMMENDED BY THE

- 5. VALVES TO BE OPERATED BY CITY STAFF ONLY. 6. 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.
- 7. 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 INITIATING
- 8. CONCRETE THRUST BLOCKS TO CONFORM TO OPSD 1103.010 AND OPSD 1103.020.
- 9. ALL WATERMAIN TO BE CLASS 150 DR-18 OR APPROVED EQUIVALENT.
- 10. ALL WATERMAIN TO BE EQUIPPED WITH TRACER
- 11. ALL SERVICES BENEATH PRIVATE ENTRANCES, WALKWAYS, AND STRUCTURES ARE TO BE SLEEVED.

SEWER NOTES:

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 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. 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" 2.4. TO MINIMIZE DIFFERENTIAL FROST HEAVING, TRENCH BACKFILL (FROM PAVEMENT SUBGRADE TO 2.0 METRES BELOW FINISHED GRADE) SHALL
- 3. SANITARY SEWERS AND CONNECTIONS 150mmØ AND SMALLER TO BE PVC SDR-28.

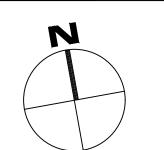
MATCH EXISTING SOIL CONDITIONS.

- 4. SEWERS AND CONNECTIONS 200mmØ AND LARGER TO BE PVC SDR-35. BEDDING TO BE TYPE "B" EXCEPT AT RISERS, UNLESS NOTED OTHERWISE.
- 5. INSULATE ALL STORM AND SANITARY SEWERS/SERVICES THAT HAVE LESS THAN 2.0m OF COVER WITH THERMAL INSULATION AS PER OPSD
- 6. SEWER CONNECTIONS ARE TO BE MADE ABOVE THE SPRINGLINE OF THE SEWERMAIN AS PER CITY OF OTTAWA STANDARD DRAWING S11, S11.1 & S11.2
- 7. 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.
- 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.
- 11. ALL SERVICES BENEATH PRIVATE ENTRANCES, WALKWAYS, AND STRUCTURES ARE TO BE SLEEVED.

McINTOSH PERRY

Revisions

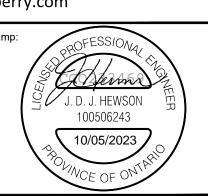
115 Walgreen Road, RR3, Carp, ON KOA 1L0 Tel: 613-836-2184 Fax: 613-836-3742 www.mcintoshperry.com



ISSUED FOR SITE PLAN CONTROL

Check and verify all dimensions

pefore proceeding with the work



MAY 30, 202

Date

Do not scale drawings

CSV ARCHITECTS 190 O'CONNOR STREET, SUITE 100 OTTAWA, ON K2P 2R3

9-STOREY APARTMENT BUILDING 1815 MONTREAL ROAD

SITE SERVICING PLAN

1:200 CCO-23-3469 rawing Number: