



JOHN SEVIGNY C.E.T.

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PLANNING, DEVELOPMENT & BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

## APPROVED

By sevignyjo at 7:42 pm, Jan 08, 2025

SAN STRUCTURE TABLE							
NAME	RIM ELEV.	INVERT IN	INVERT OUT	DESCRIPTION			
MH2A	75.79	SE73.520	N72.940	STRUC. OPSD 701.011 COVER. CITY S24 FRAME. CITY S25			
МН2В	75.23	S72.777	N69.578	STRUC. OPSD 701.011 COVER. CITY S24 FRAME. CITY S25 C/W EXTERNAL DROP STRUCTURE PER OPSD 1003.010			
MH2C	71.16	S68.620	NW67.788	STRUC. OPSD 701.011 COVER. CITY 524 FRAME. CITY 525 C/W EXTERNAL DROP STRUCTURE PER OPSD 1003.010			
MH2D	70.11	SE67.200	SW66.440	STRUC. OPSD 701.011 COVER. CITY S24 FRAME. CITY S25 C/W EXTERNAL DROP STRUCTURE PER OPSD 1003.010			
MH2E	69.45	NE65.500	NW65.080	STRUC. OPSD 701.011 COVER. CITY S24 FRAME. CITY S25			

## MUNICIPAL SEWER/WATERMAIN RELOCATION NOTES:

- CONSTRUCT ALL SEWERS, MANHOLES AND APPURTENANCES IN ACCORDANCE WITH OPSD STANDARDS AND SPECIFICATIONS, AS WELL AS CITY.
- SEWER TRENCHING AND BEDDING SHALL CONFORM TO OPSD 802.010 AND 802.013 UNLESS NOTED OTHERWISE.
   BEDDING SHALL BE A MINIMUM 150mm OF GRANULAR "A", COMPACTED TO MINIMUM 98% STANDARD
- PROCTOR DRY DENSITY (SPMDD). CLEAR STONE BEDDING SHALL NOT BE PERMITTED. BEDDING THICKNESS TO BE INCREASED TO 300mmm IF PLACED ON BEDROCK.

  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 1.8 METRES BELOW FINISHED GRADE) SHALL MATCH EXISTING SOIL CONDITIONS. THE TRENCH BACKFILL SHOULD BE PLACED IN MAXIMUM 225mm THICK LOOSE LIFTS AND COMPACTED TO 98% OF THE
- THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION PHASING AND LAYOUT. A PHASING PLAN SHALL BE ESTABLISHED FOR THE REALIGNMENT OF THE PROPOSED WATER AND SANITARY SERVICES TO ENSURE CONTINUAL SERVICE FOR THE OFF-SITE FLOWS.
- 4. SEWERS AND CONNECTIONS 200mmØ-375mmØ TO BE PVC SDR-35. SEWER CONNECTIONS 450mmØ AND LARGER TO BE CONCRETE. BEDDING TO BE TYPE "B" EXCEPT AT RISERS, UNLESS NOTED OTHERWISE. CONCRETE SEWER CLASS IN ACCORDANCE WITH OPSD 807.010 & 807.030, AS APPLICABLE.
- 5. CONTRACTOR TO CCTV SANITARY SEWER UPSTREAM AND DOWNSTREAM OF PROPOSED TIE IN LOCATIONS
- PRIOR TO AND AFTER PROPOSED WORKS.

  6. PROPOSED SANITARY MAINTENANCE STRUCTURES TO BE BENCHED PER OPSD 701.021.
- 7. SEWERS AND WATERMAINS LOCATED PARALLEL TO EACH OTHER SHOULD BE CONSTRUCTED IN SEPARATE TRENCHES. WHEN IT IS IMPOSSIBLE OR NOT PRACTICAL TO MAINTAIN VERTICAL AND/OR HORIZONTAL SEPARATION PER MECP STANDARDS, ALL SEWERS SHOULD BE CONSTRUCTED OF WATERMAIN QUALITY PIPE, PRESSURE TESTED IN PLACE AT A PRESSURE OF 350 kPa (50 psi) WITHOUT LEAKAGE USING THE TESTING
- 8. WHERE SANITARY SEWERS ARE 0.6M BELOW GROUNDWATER TABLE, SANITARY MAINTENANCE HOLES SHALL BI EXTERNALLY WRAPPED WITH WATERPROOF MEMBRANE PLACED EXTERNALLY AROUND ALL PRECAST JOINTS, INCLUDING JOINTS BELOW THE MAINTENANCE HOLE FRAME AND COVER, WITH A MINIMUM 300MM WIDE

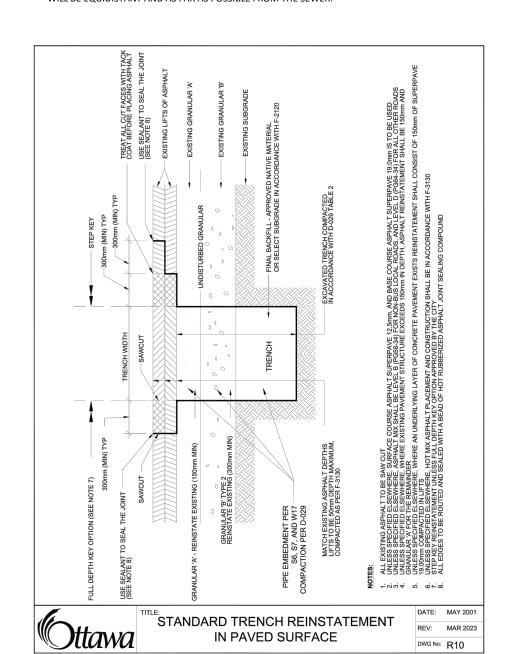
METHODOLOGY IN ONTARIO PROVINCIAL STANDARD SPECIFICATION 701 (OPSS 701) OF THE OPS.

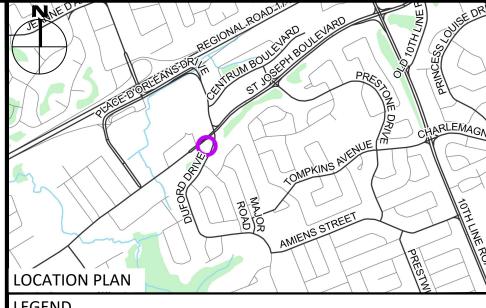
- 9. THE LOCATION OF EXISTING UTILITIES ARE TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
- INSTALLATION TO BE IN ACCORDANCE WITH CURRENT CODES AND STANDARDS OF APPROVAL AGENCIES HYDRO ONE, BELL, ROGERS AND THE CITY.
- 11. CONSTRUCT ALL WATERMAINS AND APPURTENANCES IN ACCORDANCE WITH OPSD STANDARDS AND SPECIFICATIONS, AS WELL AS CITY STANDARDS.
- 12. WATERMAINS AND/OR WATER SERVICES ARE TO HAVE A MINIMUM COVER OF 2.4m. INSULATE ALL WATERMAINS AND SERVICES THAT HAVE LESS THAN 2.4m COVER WITH THERMAL INSULATION AS PER CITY
- 13. 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.
- 14. THERMAL INSULATION OF WATERMAINS AT OPEN STRUCTURES AS PER CITY DETAIL W23.
- THERMIAL INSULATION OF WATERWAINS AT OPEN STR
   VALVES TO BE OPERATED BY CITY STAFF ONLY.

MATERIAL'S SPMDD.

- 16. 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.
- 17. 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 CONSTRUCTION.

  18. CONCRETE THRUST BLOCKS TO CONFORM TO OPSD 1103.010 AND OPSD 1103.020.
- 19. ALL WATERMAIN TO BE CLASS 150 DR-18 OR APPROVED EQUIVALENT.
- 20. ALL WATERMAIN TO BE EQUIPPED WITH TRACER WIRE.
- 21. AS PER CITY GUIDELINE, THE MINIMUM VERTICAL CLEARANCE BETWEEN WATERMAIN AND SEWER/UTILITY IS 0.25m FOR CROSSING OVER THE SEWER, AS PER CITY DETAIL W25.2 FOR CROSSING UNDER SEWER, THE MINIMUM VERTICAL CLEARANCE IS 0.5m AS PER CITY DETAIL W25. FOR CROSSING UNDER SEWER, ADEQUATE STRUCTURAL SUPPORT FOR THE SEWERS IS REQUIRED TO PREVENT EXCESSIVE DEFLECTION OF JOINTS AND SETTLING. THE LENGTH OF WATER PIPE SHALL BE CENTERED AT THE POINT OF CROSSING SO THAT THE JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE SEWER.





## LEGEND

DC	BARRIER CURB & CURB DEPRESSION		SLOPING AT 3:1 UNLESS SPECIFIED
	PROPOSED CONCRETE PAVERS	×95.94 93.20	PROPOSED ELEVATION EXISTING ELEVATION
OMH#	STORM MANHOLE	×95.94	SWALE ELEVATION
CB <b>■</b> CICB DI	CATCHBASIN, CURB INLET OR DITCH INLET	XT/w100.50 B/w90.50	TOP/BOTTOM WALL FACE ELEVATIONS
OMH#A	SANITARY MANHOLE	$\Rightarrow$	PROPOSED EMERGENCY OVERLAND FLOW ROUTE
	PROPERTY LINE	$\Rightarrow \Rightarrow$	PRE AND POST-DEVELOPMENT DRAINAGE DIRECTIONS
8	EX. WATER VALVE/CHAMBER	-^	HEAVY DUTY SILT FENCE BARRIER PER OPSD 219.130
0	PROP. VALVE PER CITY W24	lacktriangle	BUILDING ENTRANCE
•	FIRE HYDRANT	· , · , ·	PROPOSED GRASS
	PROPOSED WALL		
$\langle \rangle \rangle$	PROPOSED SIAMESE	- · - · - · -	CENTRELINE OF SWALE



PROP AND EX. REDUCER

P U/G HYDRO DUCT PER ELEC.
EX. STM SEWER
SAN EX. SAN SEWER
BELL BELL BELL FOR BRUILDING

PROPOSED WATER METER AND REMOTE METER

LEC.

X. STM SEWER

X. SAN SEWER
ELL AND ROGERS
ONDUIT FOR BUILDING
ER ELEC.

BELL

BELL

BOG

EX. WATERMAIN

EX. WATERMAIN

EX. WATERMAIN

EX. GAS

EX. GAS

EX. TRAFFIC CABLE

EX. BELL

EX. BELL

EX. ROGERS

ISSUED FOR SPC & MUNICIPAL CONSENT	SEPT 05, 2024
ISSUED FOR FOUNDATION PERMIT	AUG 09, 2024
ISSUED FOR REVIEW	JUL 31, 2024

Check and verify all dimensions before proceeding with the work

CALE 1:200

Revisions

SCALE 1:200 0 10 20 Metr



ISSUED FOR SITE PLAN CONTROL

115 Walgreen Road, R.R.3 Carp, ON K0A 1L0 Tel: 613-836-2184 Fax: 613-836-3742 www.egis-group.com

MAR 07, 2024

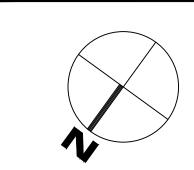
Date

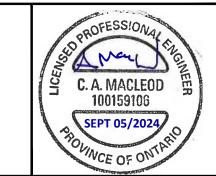
CB SILT SACK PER C101

─ L — EX. UG STREET LIGHT

— TF — EX. TRAFFIC LINE

SERVICE/SEWER CROSSING





THEBERGE DEVELOPMENTS LTD

1600 LAPERRIERE AVE
OTTAWA, ON K1Z 8P5

Project:

3030 ST. JOSEPH BOULEVARD

OTTAWA

Drawing Title:

PLAN & PROFILE STA. 2+000 TO 2+040

Trawn By:
RRR

Drawing Number:

Drawing Number:

ON