

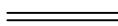



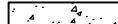


















1. CONSTRUCT ALL SEWER AND APPURTENANCES TO ONTARIO PROVINCIAL STANDARD SPECIFICATIONS AND DRAWINGS, AS WELL AS THE CITY OR TOWNSHIP STANDARDS AS INDICATED.
2. SEWER TRENCHING AND BEDDING SHALL CONFORM TO OPSO 802.010 AND 802.013 UNLESS NOTED OTHERWISE.
3. BEDDING SHALL BE A MINIMUM 150mm OF GRANULAR "A", COMPACTED TO MINIMUM 95% STANDARD PROCTOR DRY DENSITY. CLEAN 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.
7. SEWERS AND CONNECTIONS 150mm DIAMETER AND SMALLER TO BE PVC SDR 28 OR APPROVED EQUIVALENT. SEWERS AND CONNECTIONS LARGER THAN 200mm DIAMETER AND LESS THAN 450mm DIAMETER TO BE PVC SDR 35 OR APPROVED EQUIVALENT. SEWERS AND CONNECTIONS 450mm DIAMETER AND LARGER TO BE CONCRETE CI 45-0 OR APPROVED EQUIVALENT.
8. INSULATE ALL STORM AND SANITARY SEWERS SERVICES, OTHER THAN CATCH BASIN LEADS THAT HAVE LINED LIDS COVER WITH THERMAL INSULATION.
9. SUPPLY AND INSTALL ALL PIPING AND APPURTENANCES AS SHOWN AND DETAIL TO WITHIN 1m OF BUILDING. ALL SIDS OF SERVICE TO BE PROPERLY CAPPED AND LOCATED WITHIN 2'x4'x8" LONG MARKER.
10. CONTRACTOR TO TELEVIEW (CCTV) ALL PROPOSED SEWERS ONSITE, OUTLET CONNECTION TO THE MAIN AND PIPES 150mm OR GREATER PRIOR TO BASE COURSE ASPHALT. UPON COMPLETION OF CONTRACT, THE CONTRACTOR IS RESPONSIBLE TO FLUSH AND CLEAN ALL SEWERS & APPURTENANCES.

1. **CONSTRUCT ALL WATERMAINS AND APPURTENANCES IN ACCORDANCE WITH OPSD STANDARDS AND SPECIFICATIONS AS WELL AS CITY OR TOWNSHIP STANDARDS AS INDICATED.**
2. **WATERMAINS AND/OR WATER SERVICES ARE TO HAVE A MINIMUM COVER OF 2.4m. OTHERWISE THE MINIMUM COVER REQUIRED IS PER PER CITY OF OTTAWA STANDARD DRAWING 'W22'.**
3. **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.**
4. **USE APPROVED SADDLE CONNECTION WITH MAIN (CORPORATION) STOP AS PER CITY OF OTTAWA STANDARD DRAWING 'W26'.**
5. **CONNECTION TO EXISTING BY CITY OR TOWNSHIP SERVICES: EXCAVATION, BACKFILLING AND REINSTATEMENT IS TO BE COMPLETED BY THE CONTRACTOR.**
6. **THERMAL INSULATION OF WATERMAINS AT OPEN STRUCTURES AS PER CITY OF OTTAWA STANDARD DRAWING 'W27'.**
7. **THERMAL INSULATION OF WATERMAINS UNDER ROAD SIDE DITCHES AS PER CITY OF OTTAWA STANDARD DRAWING 'W21'.**

WATER SERVICE COVER TABLE				
LOCATION	STATION	FINISHED GRADE	TOP OF PIPE	DEPTH (m)
CONNECTION	0+000.00	69.28	+66.90	2.38*
WW	0+003.57	69.41	67.01	2.40
CROSSING	0+003.95	69.31	66.86	2.45
	0+005.95	69.32	66.86	2.46
BLDG	0+006.91	69.37	66.97	2.40

SAN STRUCTURE TABLE				
NAME	TOP OF GRATE	INVERT IN	INVERT OUT	DESCRIPTION
MIH#1A	69.50	SE67.500	NW67.480	OPSD 701.10 COVER OPSD 401.050 WATER TIGHT

LEGEND

	BARRIER CURB
	CURB DEPRESSION
	HEAVY DUTY ASPHALT
	ASPHALT RAMP AND/OR WALKWAY
	CONCRETE RAMP AND/OR WALKWAY
	SWALE CENTERLINE
	TERRACING @ 3:1 SLOPE UNLESS SPECIFIED
	STORM MANHOLE
	CATCH BASIN MANHOLE
	CATCH BASIN OR DITCH INLET
	LANDSCAPE CATCH BASIN
	PERFORATED SUBDRAIN
	SANITARY MANHOLE
	TYPICAL GRADE
	BOTTOM OF WALL GRADE
	SWALE GRADE
	TOP OF GRATE GRADE
	EXISTING GRADE (NOT SHOWN ON SURVEY)
	OVERLAND FLOW ROUTE
	100yr PONDING
	5yr PONDING
	GRADE MARKER
	SILT FENCE

FOR REVIEW ONLY
NOT FOR CONSTRUCTION

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



Project:

OTTAWA ON

Drawing Title:

1. *Journal of Management Studies*, 1990, 27, 1, 1-14.

SITE SERVICING PLAN

8.1	

Scale:	1:100	Project Number:	
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Drawn by:	S.V.L	CP-17-0605
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Checked By:	R.P.K.
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Designed By:	Drawing Number:
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S.V.L. SHEET 2 of 2 C102

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