

CROSSINGS

C1	WM INV	97.72	C8	SAN INV	97.78
	STM OBV	96.96		STM OBV	97.22
C2	WM INV	97.70	C9	WM INV	98.24
	STM OBV	97.35		STM OBV	97.92
C3	SAN INV	97.12	C10	SAN INV	97.71
	STM OBV	96.92		STM OBV	97.28
C4	WM INV	97.30	C11	WM INV	98.18
	STM OBV	96.76		SAN OBV	97.86
C5	STM INV	97.77	C12	SAN INV	97.57
	SAN OBV	97.47		STM OBV	97.25
C6	SAN INV	97.80	C13	STM INV	97.71
	STM OBV	97.18		STM OBV	97.33
C7	WM INV	98.27	C14	WM INV	98.18
	SAN OBV	97.95		SAN OBV	97.86

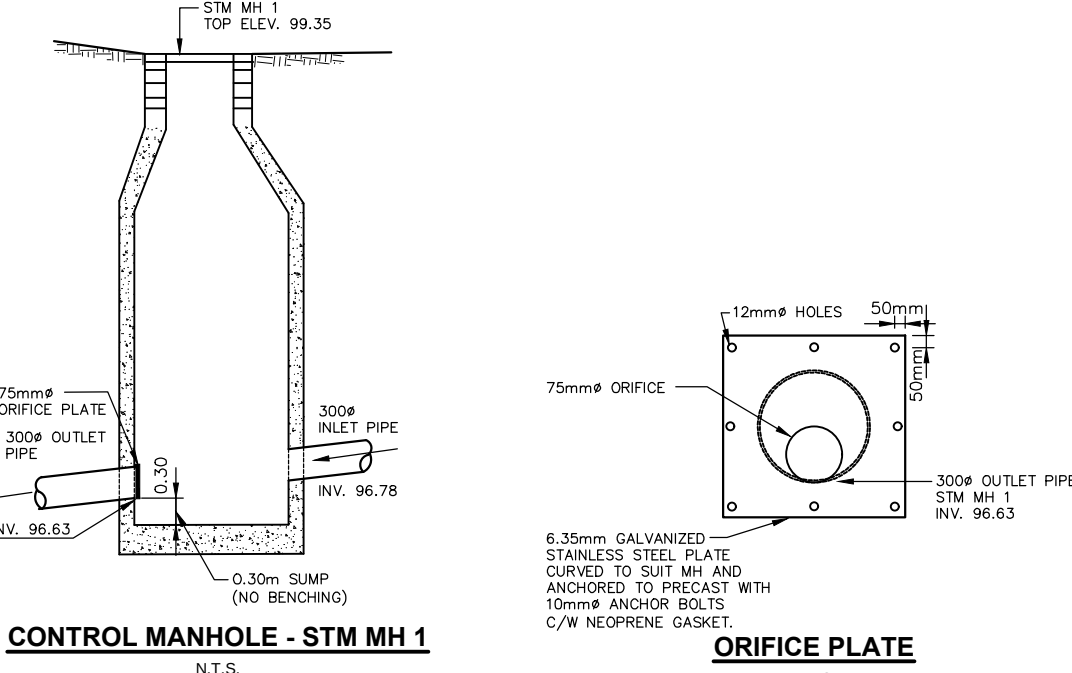
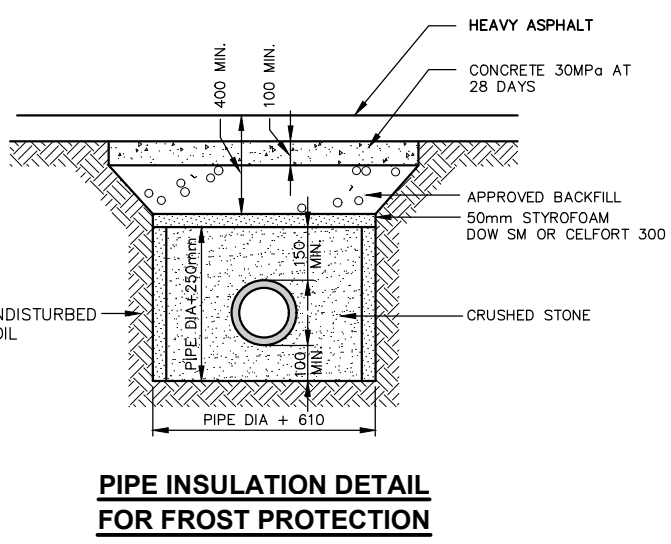


CHART FOR CONNECTION INVERTS AT TOWNHOUSE

TOWNHOUSE No.	SAN INVERT
1	97.85
2-3	97.82
4-5	97.75
6-7	97.75
8-9	97.53
10-11	97.60
12	97.68

MIN. PAVEMENT DESIGN FOR CONDOMINIUM	
40mm	HL3 TOP ASPHALT
85mm	HL8 BASE ASPHALT
200mm	20mm CRUSHER-RUN LESTONE
300mm	80mm CRUSHER-RUN LESTONE
625mm	TOTAL CONSTRUCTION DEPTH

PAVEMENT RESTORATION FOR HARBORN ROAD	
150mm	HL8 BASE ASPHALT
200mm	20mm CRUSHER-RUN LESTONE
300mm	80mm CRUSHER-RUN LESTONE
625mm	TOTAL CONSTRUCTION DEPTH

DRIVEWAY PAVEMENT DESIGN	
25mm	HL3 TOP ASPHALT
50mm	HL8 BASE ASPHALT
150mm	20mm CRUSHER-RUN LESTONE
25mm	TOTAL CONSTRUCTION DEPTH

STORM SEWERS

- ALL STORM SEWER MATERIALS AND CONSTRUCTION METHODS MUST CORRESPOND TO CURRENT MUNICIPAL STANDARDS AND SPECIFICATIONS.
- REDDING TO BE TYPE 'A' AS PER C.M. STD. 2112.09 UNLESS OTHERWISE NOTED.
- SEWER BEDDING AND COVER MATERIAL SHALL CONFORM TO C.M. STD. 2112.111 AND 2112.100 UNLESS OTHERWISE NOTED.
- IF WATER IS PRESENT IN THE TRENCH EXCAVATION, THEN 150mm CLEAR STONE OR 60mm WASHED CRUSHED GRAVEL IS TO BE USED FOR BEDDING IN ACCORDANCE WITH C.M. STD. 2112.110 AND 2112.140 RESPECTIVELY.
- WHERE NOT ON SOFT TRENCHING CONDITIONS ARE UNSTABLE, THEN UNLESS OTHERWISE NOTED, THE GEOTECHNICAL ASSESSMENT MAY BE REQUIRED TO DETERMINE APPROPRIATE BEDDING IN ORDER TO STABILIZE THE SUBGRADE FOR SEWER CONSTRUCTION.
- STORM SEWERS AND CONNECTIONS 1500mm AND SMALLER TO BE CONCRETE CL 3, OR PVC SDR 26 PIPE, UNLESS OTHERWISE NOTED.
- STORM SEWERS AND CONNECTIONS 2000mm AND LARGER TO BE CONCRETE CL 3, CONCRETE CL 65-D, PVC SDR 35, WITH TYPE 'B' BEDDING THROUGHOUT EXCEPT AT RISERS, UNLESS OTHERWISE NOTED.
- ALL CATCHBASINS TO BE OPND. 750mm UNLESS OTHERWISE NOTED.
- ALL MANHOLES OR CATCHBASIN MANHOLES TO BE SUPPLIES AS PER OPND. 700.010 UNLESS OTHERWISE NOTED.
- ALL CATCHBASIN LEADS TO BE SINGLE - 2000mm, DOUBLE - 2500mm UNLESS OTHERWISE NOTED.

CONNECTIONS

- SANITARY:**
 - SANITARY SERVICE SHALL BE LOWER THAN AND TO THE RIGHT OF THE STORM SERVICE AT THE PROPERTY LINE WHEN FACING THE LOT FROM THE STREET.
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- WATER:**
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NOTES GENERAL NOTES

- ALL DIMENSIONS AND INVERTS MUST BE VERIFIED PRIOR TO CONSTRUCTION AND IF ANY DISCREPANCIES EXIST, CONTRACTOR IS TO NOTIFY THE ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL UTILITIES DURING CONSTRUCTION. GAS, HYDRO, TELEPHONE OR ANY OTHER UTILITIES THAT MAY EXIST ON THE SITE OR WITHIN THE STREETLINES MUST BE LOCATED BY THE OWNER PRIOR TO CONSTRUCTION.
- AT ALL ENTRANCES TO THE SITE THE MINOR SIDEWALK WILL BE CONTINUOUS THROUGH THE DRIVEWAY. THE DRIVEWAY SHALL BE COMPARTMENTED WITH THE EXISTING OR FUTURE SIDEWALK AND CURB DEPRESSION WILL BE PROVIDED FOR EACH ENTRANCE.
- SEWALIAS DEPTHS TO BE INCREASED TO MINIMUM 1800mm DEPTH FOR DRIVEWAYS.
- TOPSOIL IN FULL AREA TO BE STRIPPED AND CLEAR FILL TO BE PLACED AND COMPACTED TO 95% STANDARD PROCTOR DENSITY.
- ALL GRADES TO BE WITHIN 25% MAXIMUM SLOPE AT PROPERTY LINE AND WITHIN THE SITE.
- SPREAD PATTERN OF EXISTING LIGHTING SHALL NOT IMPROVE ON THE ADJACENT PROPERTY.
- ALL UNDERGROUND SERVICE MATERIALS AND INSTALLATIONS TO BE IN ACCORDANCE WITH THE LATEST LOCAL MUNICIPALITY STANDARDS AND CODES, AND TO BE.
- ALL BACKFILL FOR SEWERS, WATERMANS AND UTILITIES ON THE ROAD ALLOWANCE AND THE INTERNAL SITE MUST BE COMPACTED TO MINIMUM 95% S.P.D. EXCEPT FOR TOP 300mm WHICH MUST BE COMPACTED TO 90% S.P.D. ON THE ROAD ALLOWANCE UNLESS OTHERWISE NOTED AND UNDER THE DIRECT SUPERVISION OF THE GEOTECHNICAL SOIL CONSULTANT.
- THE BUILDING SITE ON THIS PLAN HAS BEEN DESIGNED UTILIZING CONTROLLED FLOW ROOF DRAINS IN ACCORDANCE WITH LOCAL MUNICIPAL STANDARDS.
- ALL SURFACE DRAINAGE SHALL BE SELF-CONTAINED, COLLECTED AND DISCHARGED AT A LOCATION TO BE APPROVED PRIOR TO THE ISSUANCE OF A BUILDING PERMIT.
- CONTINUOUS CONCRETE CURB BETWEEN LANDSCAPE AREAS AND ASPHALT PAVING.

SANITARY SEWERS

- ALL SANITARY SEWER MATERIALS AND CONSTRUCTION METHODS MUST CORRESPOND TO CURRENT REGION OF PEEL STD. 4.1.1.
- SANITARY CONNECTIONS 1500mm AND LESS TO BE PVC SDR-26.
- SANITARY SEWERS AND CONNECTIONS 2000mm AND LARGER TO BE PVC SDR-35 ASTM D3034-01 WITH TYPE 'B' BEDDING THROUGHOUT EXCEPT AT RISERS, UNLESS OTHERWISE NOTED.
- ALL MANHOLES TO BE R.P. STD 2-4-3 UNLESS OTHERWISE NOTED.

WATERMANS

- PUBLIC AND PRIVATE SERVICES, APPURTENANCES, MATERIALS AND CONSTRUCTION METHODS MUST COMPLY WITH THE MOST CURRENT REGION OF PEEL STANDARDS AND SPECIFICATIONS, THE LOCAL MUNICIPALITY'S REQUIREMENTS FOR THE ONTARIO BUILDING CODE AND ONTARIO PROVINCIAL STANDARDS. ALL WORKS SHALL ADHERE TO ALL APPLICABLE LEGISLATION, INCLUDING REGIONAL BY-LAW.
- WATERMAN AND/OR WATER SERVICE MATERIALS 1500mm (1") AND LARGER MUST BE P.V.C. DR-18 CONSTRUCTED AS PER ASTM-B88-49.
- WATERMANS AND/OR WATER SERVICES ARE TO HAVE A MINIMUM COVER OF 17mm (5/8") WITH A MIN. HORIZONTAL SPACING OF 150mm FROM THEMSELVES AND OTHER UTILITIES.
- PROVISIONS FOR FLUSHING WATER LINE PRIOR TO TESTING, ETC. MUST BE PROVIDED WITH AT LEAST A 100mm OUTLET ON 1000mm AND LARGER LINES. COPPER LINES ARE TO HAVE FLUSHING POINTS AT THE END, THE SAME SIZE AS THE LINE. THEY MUST ALSO BE HOLED OR PIERED TO ALLOW THE WATER TO DRAIN ONTO A PARKING LOT OR DOWN A DRAIN. ON FIRE LINES, FLUSHING OUTLET TO BE 100mm MINIMUM ON A HYDRANT.
- ALL CURB STOPS TO BE 150mm OFF THE FACE OF THE BUILDING UNLESS OTHERWISE NOTED.
- HYDRANT AND VALVE SET TO R.P. STD. 14-1. DIMENSION A AND B 0.75m AND 0.80m AND TO HAVE PUMP NOZZLE.
- WATERMANS TO BE INSTALLED TO GRADE AS SHOWN ON APPROVED SITE PLAN. COPPER OR GRASS SWEET MUST BE SUPPLIED TO INSPECTOR PRIOR TO COMMENCEMENT OF WORK, WHERE REQUESTED BY INSPECTOR.
- WATERMAN MUST HAVE A MIN. VERTICAL CLEARANCE OF 0.30m OVER OR 0.50m UNDER SEWERS AND ALL OTHER UTILITIES WHEN CROSSING.
- ALL PROPOSED WATER PIPING MUST BE ISOLATED FROM EXISTING LINES IN ORDER TO ALLOW INDEPENDENT PRESSURE TESTING AND CALIBRATING FROM EXISTING SYSTEM.
- ALL LIVE TAPINGS AND OPERATION OF REGION WATER VALVES SHALL BE ARRANGED THROUGH THE REGIONAL FORDOM. ASSIGNED OR BY CONTRACTING THE OPERATIONS AND MAINTENANCE DIVISION.
- MECHANICAL RESTRAINTS MUST BE INSTALLED ON ALL BENDS, TEES AND REDUCERS.
- LOCATION OF ALL EXISTING UTILITIES IN THE FIELD TO BE ESTABLISHED BY THE CONTRACTOR.
- THE CONTRACTORS SHALL BE SOLELY RESPONSIBLE FOR LOCATES, EXPOSING, SUPPORTING AND PROTECTING OF ALL UNDERGROUND AND OVERHEAD UTILITIES AND STRUCTURES EXISTING AT THE TIME OF CONSTRUCTION IN THE AREA OF THEIR WORK. WHETHER SHOWN ON THE PLANS OR NOT AND FOR ALL REPAIRS AND CONSEQUENCES RESULTING FROM DAMAGE TO SAME.
- THE CONTRACTORS SHALL BE SOLELY RESPONSIBLE TO GIVE 72 HOURS WRITTEN NOTICE TO THE UTILITIES PRIOR TO CROSSING UTILITIES FOR THE PURPOSE OF INSPECTION BY THE CONCERNED UTILITY. THIS NOTICE WILL BE FOR THE DURATION OF THE CONSTRUCTION, WITH THE CONTRACTOR RESPONSIBLE FOR ALL COSTS ARISING FROM SUCH INSPECTION.
- ALL PROPOSED WATER PIPING MUST BE ISOLATED THROUGH A TEMPORARY CONNECTION THAT SHALL INCLUDE AN APPROPRIATE CROSS-CORRELATION CONTROL DEVICE, CONSISTENT WITH THE DESIGN OF HARBORN, FOR BACKLOG PREVENTION OF THE ACTIVE DISTRIBUTION SYSTEM, CONFORMING TO R.P. STD. 1-3-7 AND 1-3-4.
- ALL WATER MASTERS MUST BE INSTALLED IN HEATED AND ACCESSIBLE SPACE.
- METER MASTERS TO CONNECT TO EXISTING SERVICE LATERAL, REQUIRES APPROVAL FROM THE REGION OF PEEL INSPECTOR AT CONSTRUCTION STAGE.
- THE OWNER ACKNOWLEDGES AND AGREES THAT IF THE CONNECTION IS NOT USED WITHIN ONE CALENDAR YEAR FROM THE PRELIMINARY ACCEPTANCE OF THE WATERMANS, THE REGION MAY REQUIRE THAT ANY WATERMANS BE CUT AND DISMANTLED AT THE COST OF THE OWNER. HE COMMISSIONING OF THE WATERMANS, AS REQUIRED BY LEGISLATION, WILL BE AT THE COST OF THE OWNER.

NOTES:

- ROOF DOWNSPOUTS TO DISCHARGE ONTO THE SURFACE VIA CONCRETE SPLASH PADS AND THE RUNOFF DIRECTED TOWARDS THE SWALE AND TO THE REAR YARD CB'S AND TO ROAD.
- ROOF DOWNSPOUTS ARE TO BE LOCATED IN SUCH A MANNER AS TO DIRECT DRAINAGE AWAY FROM WALKWAYS, DRIVEWAYS OR PATIO STONES.

LEGEND

- EXISTING ELEVATION TO REMAIN
- EXISTING ELEVATION
- DIRECTION OF SURFACE FLOW
- PROPOSED ELEVATION
- PROPOSED CATCHBASIN
- SEDIMENT CONTROL
- SUMP PUMP
- HYDRO METER
- GAS METER
- SANITARY SEWAGE EJECTOR
- METER ROOM
- ROOF DOWNSPOUTS
- AREA DRAIN
- PROPOSED GAS MAIN
- PROPOSED HYDRO



C.M. BENCHMARK No. 524 ELEVATION: 96.009m

DESCRIPTION: LOCATED ON THE SOUTH FACE AT THE EAST CORNER OF SOUTH END OF A CONCRETE BOX CULVERT ACROSS PREMIUM WAY, 152m WEST OF HURONTARIO STREET.



PROPOSED FREEHOLD TOWNHOUSES

PART OF LOT 1, RANGE 3 CREDIT INDIAN RESERVE

50 & 60 HARBORN ROAD

HARBORN DEVELOPMENT INC.

W.E. OUGHTRED & ASSOCIATES INC., 2140 WINSTON PARK DR, OAKVILLE ON L6H 5V5 (905) 822-5644



SITE SERVING PLAN

DATE: MARCH 2024	AREA: RM6	DWG. No: C101
SCALE: 1:200	DRAWN BY: D.W.	PROJECT No: 223-M71-1
CITY FILE: XXXXXX	REGION FILE: XXXXXX	

