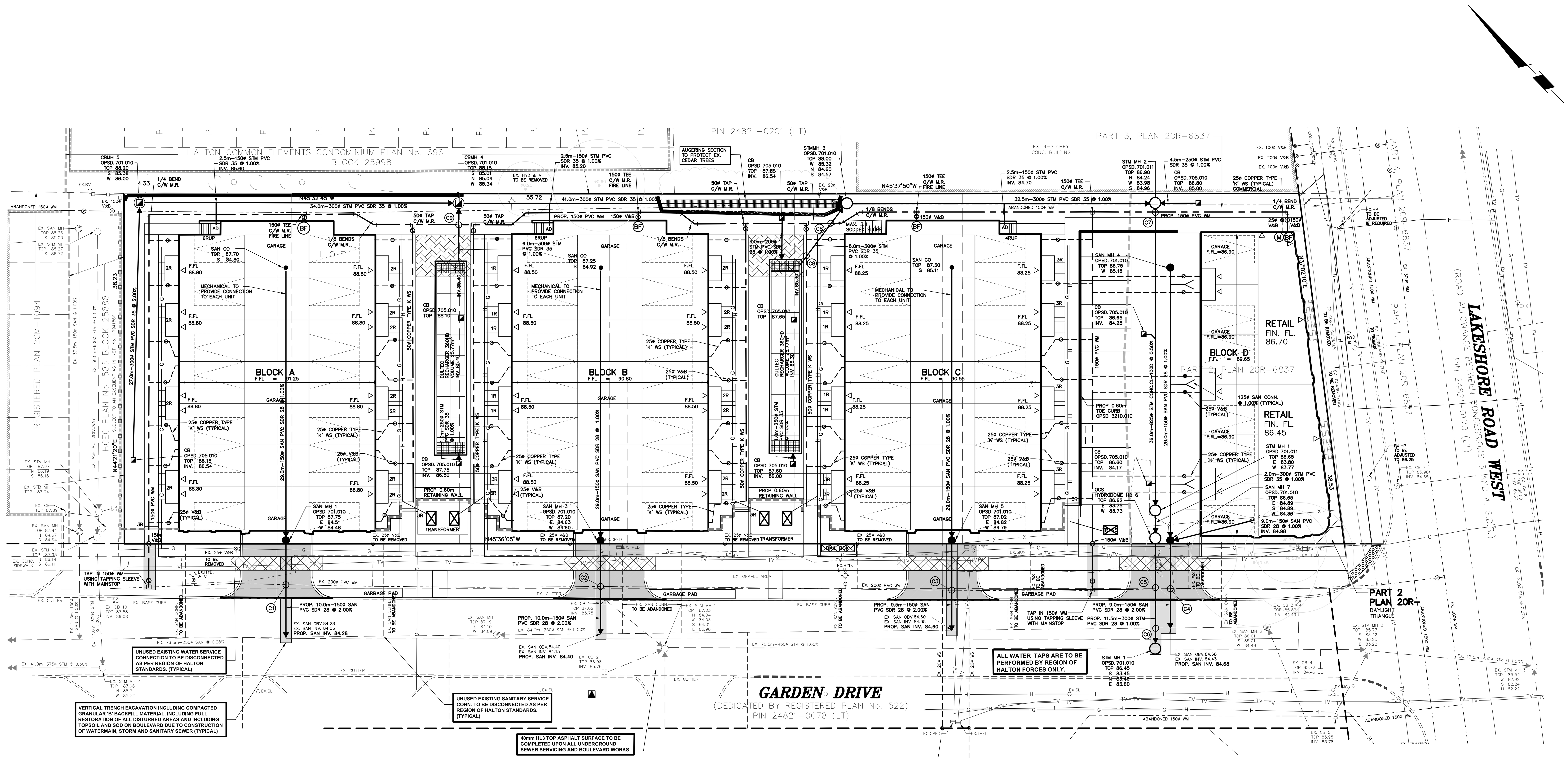
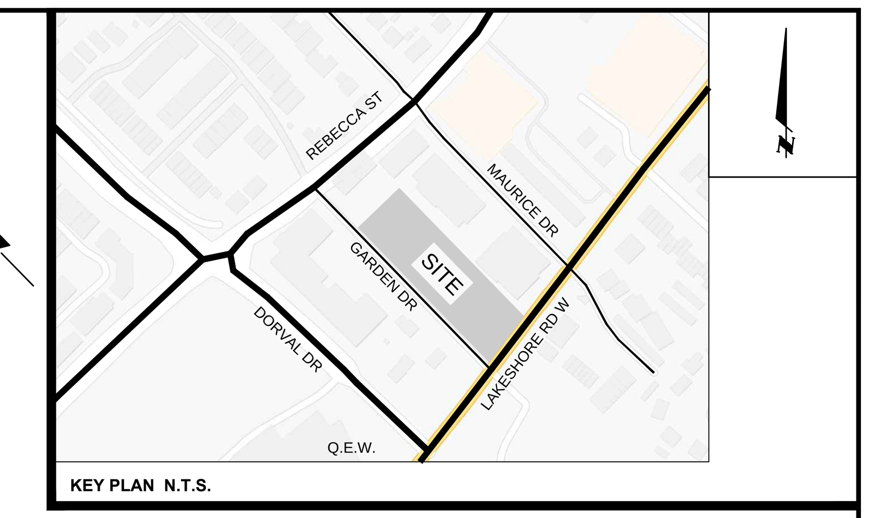




KEY PLAN N.T.S.

NOTES

SITE PLAN

1. THE CONTRACTOR IS TO CHECK AND VERIFY ALL DIMENSIONS. IF ANY DISCREPANCIES, THEY MUST BE REPORTED TO THE ENGINEER IMMEDIATELY PRIOR TO CONSTRUCTION.
2. 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 ITS OWN UTILITIES AND VERIFIED PRIOR TO CONSTRUCTION.
3. ALL CONNECTIONS SHALL BE INSTALLED AS PER MUNICIPAL STANDARDS AND SPECIFICATIONS.
4. BUILDER IS TO VERIFY TO THE ENGINEER THAT THE FINAL FOOTING ELEVATION AND TOP OF FOUNDATION WALL ELEVATION ARE IN CONFORMITY WITH THE BUILDING CODE AND THE CERTIFIED GRADING PLAN PRIOR TO PROCEEDING.
5. THE ELEVATION OF THE SIDE SWALE AT THE BUILDING LINE SHALL BE A MINIMUM OF 150mm BELOW THE BUILDING LINE AT THE CENTRE OF THE LOT.
6. OUTSIDE FINISHED GRADE TO BE A MINIMUM OF 150mm BELOW BRICK VENEER ELEVATION.
7. PRIOR TO ANY SODDING, THE BUILDER IS TO ENSURE TO THE SOILS CONSULTANT AND/OR THE ENGINEER THAT THE LOT HAS BEEN GRADED AND TOPSOILED AND SODDED COMPLETELY WITH A MINIMUM DEPTH OF 100mm OF TOPSOIL AND NO 1. NURSERY SOD AND A MINIMUM DEPTH OF 150mm OF CRUSHED STONE TO BE PROVIDED ON THE ENTIRE LENGTH OF EACH DRIVEWAY ON A FIRM SUBGRADE AND THE DRIVEWAY TO BE PAVED WITH A MINIMUM COMPACTED DEPTH OF 75mm OF ASPHALT BETWEEN THE CURB AND THE STREET LINE.
8. NO SODDING ON ANY LOTS IS PERMITTED UNTIL PRELIMINARY INSPECTION IS DONE BY THE ENGINEER AND THE BUILDER.
9. AT ALL ENTRANCES TO THE SITE THE ROAD CURB AND SIDEWALK WILL BE CONTINUOUS THROUGH THE DRIVEWAY, THE DRIVEWAY GRADE WILL BE COMPATIBLE WITH THE EXISTING OR FUTURE SIDEWALK AND CURB DEPRESSION WILL BE PROVIDED FOR EACH ENTRANCE.
10. DRIVEWAY GRADES SHOULD NOT BE LESS THAN 1.5% AND NOT GREATER THAN 8%.
11. LAWN AND SWALES SHALL HAVE A MINIMUM SLOPE OF 1.5% (PREFERRED 2%) AND A MAXIMUM SLOPE OF 6%.
12. WHERE GRADES IN EXCESS OF 6% ARE REQUIRED, THE MAXIMUM SLOPE SHALL BE 3:1. GRADE CHANGES IN EXCESS OF 1.0m ARE TO BE ACCOMPLISHED BY USE OF A RETAINING WALL. RETAINING WALLS HIGHER THAN 0.6m SHALL HAVE A FENCE INSTALLED ON THE HIGH SIDE.
13. ALL BACKFILL FOR SEWERS, WATERMAINS 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 98% S.P.D. ON THE ROAD ALLOWANCE UNLESS OTHERWISE NOTED AND UNDER THE DIRECT SUPERVISION OF THE GEOTECHNICAL SOILS CONSULTANT.
14. THE SERVICE CONNECTION TRENCH WITHIN THE TRAVELLED PORTION OF THE ROAD ALLOWANCE SHALL BE BACKFILLED WITH UNSHRINKABLE BACKFILL MATERIAL UNLESS OTHERWISE SPECIFIED PRIOR APPROVAL FOR OTHER BACKFILL MATERIAL HAS BEEN OBTAINED.
15. ANY CHANGES TO THE SERVICING DESIGN, STANDARDS AND SPECIFICATIONS MUST HAVE PRIOR APPROVAL FROM THE SERVICES PERMIT TECHNICIAN AT THE REGION OF HALTON.

STORM SEWERS

1. ALL STORM SEWER MATERIALS AND CONSTRUCTION METHODS MUST CORRESPOND TO CURRENT MUNICIPAL STANDARDS & SPECIFICATIONS.
2. STORM SEWERS AND CONNECTIONS 150 DIA. AND SMALLER TO BE CONCRETE CL 3 OR P.V.C. SDR-28 PIPE.
3. STORM SEWERS AND CONNECTIONS 200 DIA. AND LARGER TO BE CONCRETE CL 3 OR CONCRETE CL 65-D, P.V.C. SDR 35 OR ULTRA-RIB WITH TYPE 'B' BEDDING THROUGHOUT EXCEPT AT RISERS, UNLESS OTHERWISE NOTED.
4. ALL CATCHBASINS TO BE AS PER TOWN STANDARD 3-1 UNLESS OTHERWISE NOTED.
5. ALL MANHOLES OR CATCHBASIN MANHOLES TO BE OPSD. 701.010 AND FRAME AND GRATING TO BE AS PER OPSD. 400.02 OR 400.01 UNLESS OTHERWISE NOTED.
6. CATCHBASIN LEADS TO BE: SINGLE - 200 DIA., DOUBLE - 250 DIA., UNLESS OTHERWISE NOTED.

SANITARY SEWERS

1. ALL SANITARY SEWER MATERIALS AND CONSTRUCTION METHODS MUST CORRESPOND TO CURRENT REGION OF HALTON STANDARDS & SPECIFICATIONS.
2. SANITARY SEWERS AND CONNECTIONS 150 DIA. AND LESS TO BE P.V.C. SDR-28 ON PRIVATE PROPERTY.
3. SANITARY SEWERS AND CONNECTIONS 200 DIA. AND LARGER TO BE P.V.C. SDR-35 ASTM D3034-81 WITH TYPE 'B' BEDDING THROUGHOUT EXCEPT AT RISERS, UNLESS OTHERWISE NOTED.

WATERMAINS

1. ALL WATERMAINS AND WATER SERVICE MATERIALS AND CONSTRUCTION METHODS MUST CORRESPOND TO CURRENT REGION OF HALTON STANDARDS & SPECIFICATIONS.
2. WATERMAIN MUST HAVE A MINIMUM VERTICAL CLEARANCE OF 0.15m OVER OR 0.60m UNDER SEWERS AND ALL OTHER UTILITIES WHEN CROSSING.
3. WATERMAINS AND/OR WATER SERVICES ARE TO HAVE A MINIMUM DEPTH OF 1.7m WITH A MINIMUM HORIZONTAL SPACING OF 1.2m FROM THEMSELVES AND 2.50m FROM SEWER AND OTHER UTILITIES.
4. WATERMAINS TO BE INSTALLED TO GRADE AS SHOWN ON APPROVED SITE PLAN. COPY OF GRADE SHEET MUST BE SUPPLIED TO INSPECTOR PRIOR TO COMMENCEMENT OF WORK WHERE REQUESTED BY INSPECTOR.
5. WATERMAIN AND WATER SERVICE MATERIALS 100 DIA. UP TO AND INCLUDING 300 DIA. TO BE P.V.C. DR-18 TO AWWA SPEC C900-75, COPPER TYPE 'K' FOR **50 DIA.** AND SMALLER.
6. PROVISIONS FOR FLUSHING THE LINES PRIOR TO TESTING ETC. MUST BE PROVIDED WITH AT LEAST A **50 DIA.** OUTLET ON **100 DIA.** AND LARGER LINES, COPPER LINES ARE TO HAVE FLUSHING POINTS AT THE END SAME SIZE AS THE LINES. THEY MUST ALSO BE HOSED OR PIPED TO ALLOW THE WATER TO DRAIN ONTO A PARKING LOT OR DOWN THE DRAIN ON FIRE LINES, FLUSHING OUTLET TO BE 100 DIA. OR A HYDRANT.
7. DUCTILE IRON WATERMAIN FITTING TO BE CEMENT LINED TO AWWA SPEC.C-110-77.
8. THRUST BLOCKS MUST BE INSTALLED ON ALL BENDS, TEES AND REDUCERS.
9. ALL CURB STOPS TO BE 1.0m OFF THE FACE OF THE BUILDING UNLESS OTHERWISE NOTED.
10. HYDRANT AND VALVE SET TO REGION OF HALTON STANDARDS
11. ALL HYDRANTS ARE TO HAVE PUMPER NOZZLE OUTLET.
12. ALL PROPOSED WATER PIPING MUST BE ISOLATED FROM EXISTING LINES IN ORDER TO ALLOW INDEPENDENT PRESSURE TESTING AND CHLORINATING FROM EXISTING SYSTEMS.

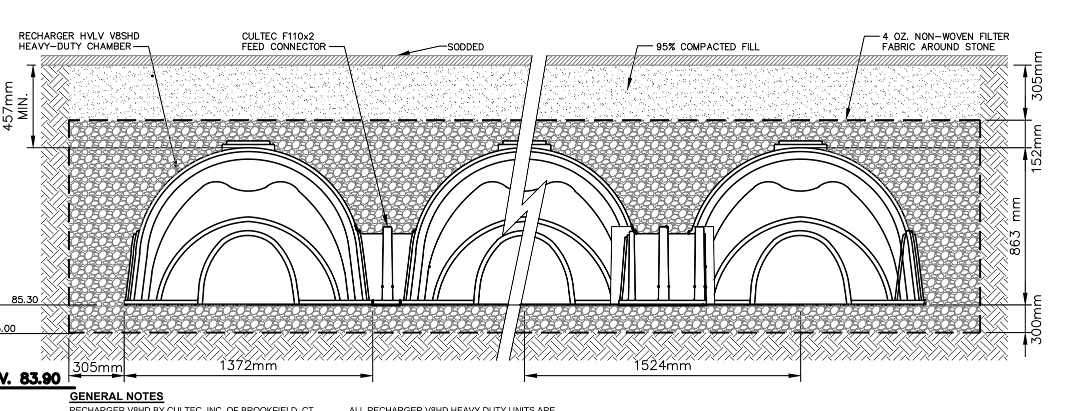
ROADS

1. ALL FILL WITHIN ROAD ALLOWANCE & EASEMENT TO BE COMPACTED TO MINIMUM 95% STANDARD PROCTOR DENSITY & THE SUITABILITY AND COMPACTION OF ALL MATERIALS TO BE CONFIRMED BY RECOGNIZED SOIL CONSULTANT TO THE CITY ENGINEER PRIOR TO THE INSTALLATION OF ANY ROAD BASE MATERIAL.
2. THE CONTRACTOR MUST ENSURE THAT A SUBGRADE CERTIFICATE IS ISSUED BY THE SOIL CONSULTANT TO THE ENGINEER AND ONLY UPON VERIFICATION AND APPROVAL OF THE SUBGRADE BY THE LOCAL LOCAL AUTHORITY INSPECTION DEPARTMENT, WILL COMMENCEMENT OF ANY ROAD BASE MATERIALS TO BE PLACED, FAILURE TO FOLLOW THIS PROCEDURE WILL MEAN THE REMOVAL OF ROAD BASE MATERIALS AND / OR ADDITIONAL TESTING THAT PROPER COMPACTION HAS BEEN ACHIEVED AT THE SUBGRADE (AT CONTRACTORS EXPENSE.)
3. ALL UNDERGROUND SERVICE CONNECTIONS WITHIN PAVED PORTION OF ANY EXISTING ROAD TO BE BACKFILLED WITH UNSHRINKABLE BACKFILL MATERIAL.

LICENSED PROFESSIONAL ENGINEER
M.JOZWIK
NOV.18/24
PROVINCE OF ONTARIO

STORMWATER MANAGEMENT - SUMMARY

CATCHBASIN NO.	CATCHBASIN TOP ELEV. (m)	PONDING ELEV. 100YR (m)	PONDING DEPTH 100YR (m)	STORAGE AVAILABLE 100YR (m^3)
CB LANDSCAPE	87.65	86.55	0.00	0.00
CB PARKING	86.65	86.55	0.00	0.00
			TOTAL SURFACE :	**0.00**
STM MH 1 -MH 2	36m - 825mm STORAGE PIPE			19.22
STM MH 1	1500mm MANHOLE			4.93
STM MH 2	1500mm MANHOLE			4.72
UNDERGROUND CULTEC SYSTEM				51.55
			TOTAL UNDERGROUND:	**80.42**
			TOTAL:	**80.42**



CULTEC RECHARGER V8 HD HEAVY DUTY TYPICAL CROSS SECTION

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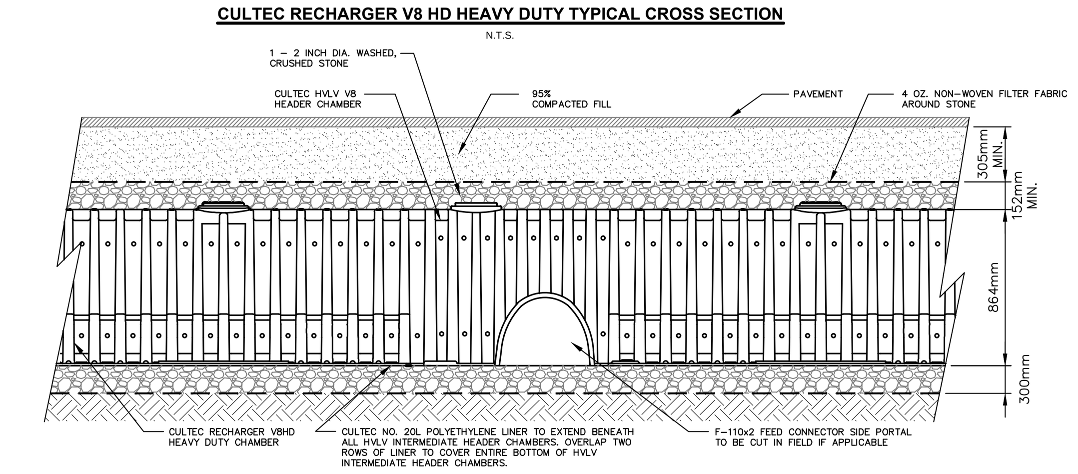

CULTEC MANIFOLD DETAIL

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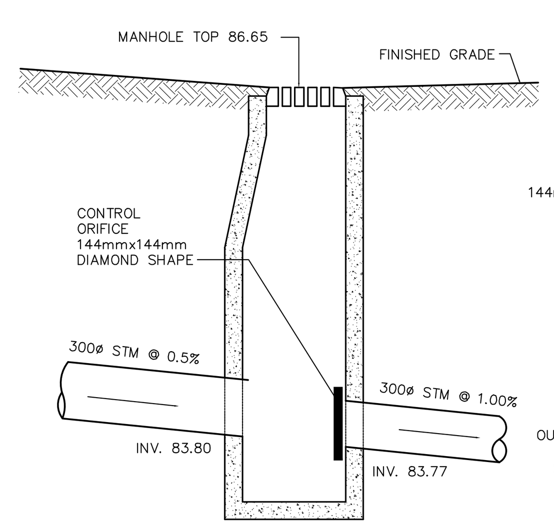

CONTROL STM MANHOLE 1

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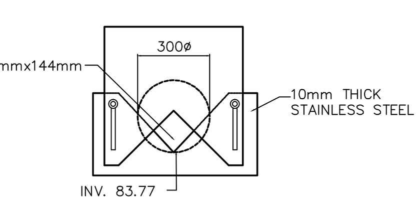

CONTROL ORIFICE

CROSSINGS

C1	EX. WM INV	85.76
	SAN OBV	84.49
C2	EX. WM INV	85.35
	SAN OBV	84.58
C3	SAN INV	85.70
	EX. WM OBV	85.20
C4	EX. WM INV	86.17
	SAN OBV	84.92
C5	EX. WM INV	86.17
	STM OBV	84.00
C6	SAN INV	84.46
	STM OBV	83.90
C7	WM INV	86.00
	STM OBV	84.85
C8	WM INV	86.02
	STM OBV	84.90
C9	WM INV	86.35
	STM OBV	85.50

ALL WATER TAPS ARE TO BE PERFORMED BY REGION OF HALTON FORCES ONLY.

REGION OF HALTON CERTIFICATE

REGION DESIGN OF WATER AND/OR WASTEWATER SERVICES APPROVED SUBJECT TO DETAIL CONSTRUCTION CONFORMING TO HALTON REGION STANDARDS & SPECIFICATION & LOCATION APPROVAL FROM AREA MUNICIPALITY

SIGNED: ______________ DATE: ______________
INFRASTRUCTURE PLANNING & POLICY

THE APPLICANT SHOULD BE AWARE THAT THE APPROVAL OF THE WATER SYSTEM ON PRIVATE PROPERTY IS THE RESPONSIBILITY OF THE LOCAL MUNICIPALITY. REGARDLESS, THE APPLICANT MUST ENSURE THAT THE REGION OF HALTON'S STANDARDS AND SPECIFICATIONS ARE MET. (THE WATER AND WASTEWATER LINEAR DESIGN MANUAL MAY BE OBTAINED THRU DATA MANAGEMENT GROUP AT 905-825-6032). FURTHERMORE, ALL WATER QUALITY TESTS MUST BE COMPLETED TO THE REGION OF HALTON'S SATISFACTION, BEFORE THE WATER SUPPLY CAN BE TURNED ON.

NOTE:
FOR ADDITIONAL INFORMATION, DETAILS, DIMENSIONS AND CONFORMITY TO THE SITE PLAN, THE CONTRACTOR MUST REFER TO THE ARCHITECTURAL SITE PLAN PREPARED BY:
RICHARD WENGLE ARCHITECT INC.
102 AVENUE ROAD, TORONTO, ON M5R 2H3

THE EXISTING SANITARY LATERAL MUST BE INSPECTED AT THE PROPERTY LINE BY THE REGIONAL INSPECTOR, AND TELEVISED BY REGIONAL FORCES PRIOR TO CONNECTION. A LATERAL THAT DOES NOT MEET CURRENT REGIONAL STANDARDS MUST BE DISCONNECTED AT MAIN, AND A NEW LATERAL CONSTRUCTED AT THE SITE DEVELOPER'S EXPENSE.

THE EXISTING WATER SERVICE MUST BE INSPECTED AT THE PROPERTY LINE BY THE REGIONAL INSPECTOR. A SERVICE THAT DOES NOT MEET CURRENT REGIONAL STANDARDS MUST BE DISCONNECTED AT MAIN, AND A NEW SERVICE CONSTRUCTED AT THE SITE DEVELOPER'S EXPENSE.

ALL INTERNAL EXISTING SERVICES AND APPURTENANCES NOT UTILIZED FOR SERVICING OF THIS PROJECT ARE TO BE REMOVED OFF SITE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

INFORMATION SHOWN HEREON REGARDING THE SIZE AND LOCATION OF EXISTING SERVICES AND/OR UTILITIES IS FURNISHED AS THE BEST AVAILABLE INFORMATION AND SHALL BE INTERPRETED AS THE CONTRACTOR SEES FIT WITH THE UNDERSTANDING THAT THE OWNER DISCLAIMS ALL RESPONSIBILITY FOR ITS SUFFICIENCY AND/OR ACCURACY.

ALL RESIDENTIAL UNITS AND 2 COMMERCIAL SPACES TO BE PROVIDED WITH INDIVIDUAL METERS

M

METER ROOM
19mm METER
R.H. STD. 501.010
MIN. 0 GPM
MAX. 24 GPM

LEGEND

- -PROPOSED CATCHBASIN
- -PROPOSED CATCHBASIN WITH TEMPORARY SEDIMENT CONTROL

No.	DATE	REVISION	INIT.
1.	NOV.18/24	REVISED AS PER TOWN COMMENTS	M.J.

BENCHMARK

No. 30 **ELEVATION: 89.817m**

DESCRIPTION: ELEVATIONS SHOWN ON THIS PLAN ARE RELATED TO GEODETIC DATUM AND HAVE BEEN DERIVED FROM TOWN OF OAKVILLE BENCHMARK No. 30. WITH A PUBLISHED ELEVATION 89.817

SKIRA & ASSOCIATES LTD.
CONSULTING ENGINEERS
3464 Semenyk Court, Suite 100, Mississauga, Ontario L5C 4P8
Tel. (905) 276-5100 Fax. 905) 270-1936 Email - info@skiraconsult.ca

PROPOSED MIXED USE DEVELOPMENT

PART OF LOT 17, CONCESSION 3, SOUTH OF DUNDAS STREET
TOWN OF OAKVILLE, REGIONAL MUNICIPALITY OF HALTON

109 GARDEN DRIVE

OAKVILLE GARDEN RESIDENCES CORP.

109 GARDEN DRIVE

TOWN OF OAKVILLE

SITE SERVICING PLAN

S.P.

CITY FILE: Z 1617.47		REGION FILE:
DATE: MAY 2024	AREA: OAKVILLE	DWG.No.
SCALE: 1:250	DRAWN BY: D.W.	**224-OK30-1**