

User Name: Barry Medford Plot Date\Time: Monday, March 18, 2019 1:00:31 PM Path and File Name: j:\24rx12\0113_durham_region_arena & scugog_depot\c02-c00-00-01.dwg

LEGEND

EXISTING CONDITIONS

	S.I.B.	STANDARD IRON BAR
	PROPERTY LINE	
	TREE	
	HYDRO MARKER	
	HYDRO CHAMBER MANHOLE	
	HAND HOLE	
	HAND WELL	
	GAS METER	
	GAS VALVE	
	GAS MARKER	
	CABLE MARKER	
	BELL MARKER	
	BELL BOX	
	BELL CHAMBER MANHOLE	
	BELL POLE	
	BELL PEDESTAL	
	CCTV	CAMERA
	LIGHT STANDARD	
	HYDRO POLE	
	HYDRO HAND WELL	
	VAULT	
	ELEVATION CONTOUR	
	SPOT ELEVATION	
	RAIL SWITCH	
	PROTECTION POSTS	
	TRAFFIC SIGN	
	FENCE	
	DITCH	
	SANITARY SEWER	
	GASMAIN	

NEW CONSTRUCTION

	MH	SANITARY MANHOLE
	OGS	OIL-GRIT SEPERATOR
	OWS	OIL-WATER SEPERATOR
	H	HYDRO POLE
	LIGHT STANDARD	
	PIPE PLUG	
	REMOVAL	
	TOP OF CURB ELEVATION	
	GUTTER ELEVATION	
	SPOT ELEVATION	
	FENCE	
	SILT FENCE	
	DITCH	
	WATERMAIN	
	STORM SEWER	
	SANITARY SEWER	
	GASMAIN	
	HEAVY DUTY RESURFACING: 40mm HL3 ASPHALTIC CONCRETE (OR SP12.5) 80mm HL8 ASPHALTIC CONCRETE (OR SP19.0) GRANULAR 'A' (OR 20mm CRL) - AS REQUIRED TO MEET PROPOSED GRADES	
	HEAVY DUTY CONCRETE STRUCUTRE: 200mm 32MPa CONCRETE 150mm GRANULAR 'A' (OR 20mm CRL) 300mm GRANULAR 'B' (OR 50mm CRL)	
	HEAVY DUTY ASPHALT PAVEMENT STRUCTURE: 40mm HL3 ASPHALTIC CONCRETE (OR SP12.5) 80mm HL8 ASPHALTIC CONCRETE (OR SP19.0) 150mm GRANULAR 'A' (OR 20mm CRL) 300mm GRANULAR 'B' (OR 50mm CRL)	

GENERAL NOTES

- ALL CONSTRUCTION WORK FOR THIS PROJECT SHALL COMPLY WITH THE STANDARDS DRAWINGS AND SPECIFICATIONS OF THE REGION OF DURHAM AND THE ONTARIO PROVINCIAL STANDARDS AND SPECIFICATIONS.
- ELEVATIONS ARE GEODETIC AND BASED ON CONTROL STATION No. 1007523002 WITH ELEVATION 341.80m. SITE BENCHMARK IS TOP OF NORTHWEST BOLT OF LIGHT STANDARD BASE LOCATED WITHIN THE ASPHALT LOT, 36.5m NORTHWEST OF THE WESTERLY GAS PUMP WITH ELEVATION 339.81M.
- ALL SURFACE DRAINAGE SHALL BE COLLECTED AND DISCHARGED AT A LOCATION TO BE APPROVED PRIOR TO THE ISSUANCE OF A BUILDING PERMIT. DRAINAGE OF ABUTTING PROPERTIES SHALL NOT BE ADVERSELY AFFECTED.
- PROPOSED ELEVATIONS ALONG SITE PROPERTY LINES MUST MATCH EXISTING ELEVATIONS.
- ALL SILT FENCES AS PER O.P.S.D. 219.110 & 219.130, EROSION AND SEDIMENT CONTROLS TO BE ERECTED PRIOR TO COMMENCEMENT OF ANY GRADING OPERATIONS. PREVENT SILT AND DEBRIS FROM ENTERING STORM SEWER SYSTEM IN CONSTRUCTION AREA.
- ROAD OCCUPANCY/ACCESS PERMIT MUST BE OBTAINED 48 HOURS PRIOR TO COMMENCING ANY WORKS WITHIN THE MUNICIPAL ROAD ALLOWANCE.
- ALL ELEVATIONS AND DIMENSIONS INDICATED ARE METRIC UNLESS OTHERWISE INDICATED.
- SITE FEATURES DISTURBED BY CONSTRUCTION BUT NOT INDICATED FOR REMOVAL TO BE REINSTALLED TO ORIGINAL CONDITIONS.
- MAINTAIN POSITIVE DRAINAGE AT ALL TIMES.
- ALL SURPLUS TOPSOIL, NATIVE SAND AND UNSUITABLE SILTY CLAY TO BE PLACED IN SEPARATE STOCKPILES ON SITE AS DIRECTED BY THE ENGINEER. ALL EXCESS MATERIAL TO BE EXPORTED OFF SITE TO A SUITABLE LOCATION AS DIRECTED BY THE ENGINEER.
- O.P.S.D. REFERS TO ONTARIO PROVINCIAL STANDARD DRAWINGS O.P.S.S. REFERS TO ONTARIO PROVINCIAL STANDARD SPECIFICATIONS
- THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES, TO PROVIDE DURING CONSTRUCTION ACTIVITIES. THIS INCLUDES LIMITING THE AMOUNT OF EXPOSED SOIL, INSTALLING SILT FENCES AND OTHER EFFECTIVE SEDIMENT TRAPS. THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.
- ALL WORK ON MUNICIPAL RIGHT OF WAY TO MEET ALL REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.
- NO RECYCLED MATERIAL TO BE USED IN ASPHALT PAVEMENT OR GRANULAR MATERIALS, UNLESS APPROVED BY THE GEOTECHNICAL ENGINEER.
- SEE MECHANICAL DRAWINGS FOR LOCATIONS OF UNDERGROUND SERVICES AT BUILDING.
- MINIMUM COVER FOR GASMAIN TO BE 1.0m(3').
- ALL MANHOLES TO BE PRECAST (UNLESS OTHERWISE NOTED) CONFORMING TO:
(1) 1200 Ø MANHOLE TO OPSD-701.010
- FRAMES AND GRATES TO CONFORM AS FOLLOWS:
(1) 1200 Ø MANHOLE TO OPSD-401.010
(2) 600x600 CATCHBASIN TO OPSD-705.010
- PROVIDE SUPPORT AND PROTECTION TO EXISTING SERVICES (SANITARY SEWER, GASMAIN, AND ELECTRICAL CABLES). BACKFILL CROSSING UNDER STORM OR SANITARY SEWER WITH 15MPa CONCRETE TO SPRINGLINE OF SEWERS OR UNDERSIDE OF DUCT BANK (TYPICAL).
- CONTRACTOR AND THE OWNER TO OBSERVE ALL LOCAL ZONING BY-LAW, ONTARIO BUILDING CODE AND ALL OTHER APPLICABLE LAWS DURING THE COURSE OF CONSTRUCTION.
- CONTRACTOR TO OBTAIN ALL THE NECESSARY PERMITS FOR COMPLETION OF WORK AS INDICATED ON THE BUILDING PERMIT.
- CONTRACTOR SHALL REPORT ANY ERROR OR OMISSION TO IBI GROUP PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- ALL WORKS TO BE TO THE SATISFACTION OF THE REGION OF DURHAM AND TO REGION STANDARDS.

DATE (mm dd yyyy)	ISSUED FOR	REV
OCT 01 2018	TENDER	0

KEY PLAN
NTS

CONSULTANTS

IBI GROUP
100-175 Galaxy Boulevard
Toronto ON M9W 0C9 Canada
tel 416 679 1930 fax 416 675 4620
ibigroup.com

This drawing has been prepared solely for the use of the Regional Municipality of Durham and there are no representations of any kind made by IBI Group to any party with whom IBI Group has not entered into a contract

North Arrow

Detail Symbol

LOCATION OR
DETAIL SHEET

Project Manager A. VAN VEEN	Architect/Engineer B. MEDFORD
Project Leader B. MEDFORD	Drawn PG
Date DEC 2012	Checked E. HARRICHARRAN
Client	

THE REGIONAL MUNICIPALITY
OF DURHAM
WORKS DEPARTMENT
WHITBY ONTARIO

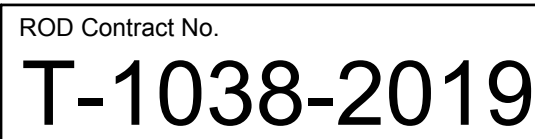
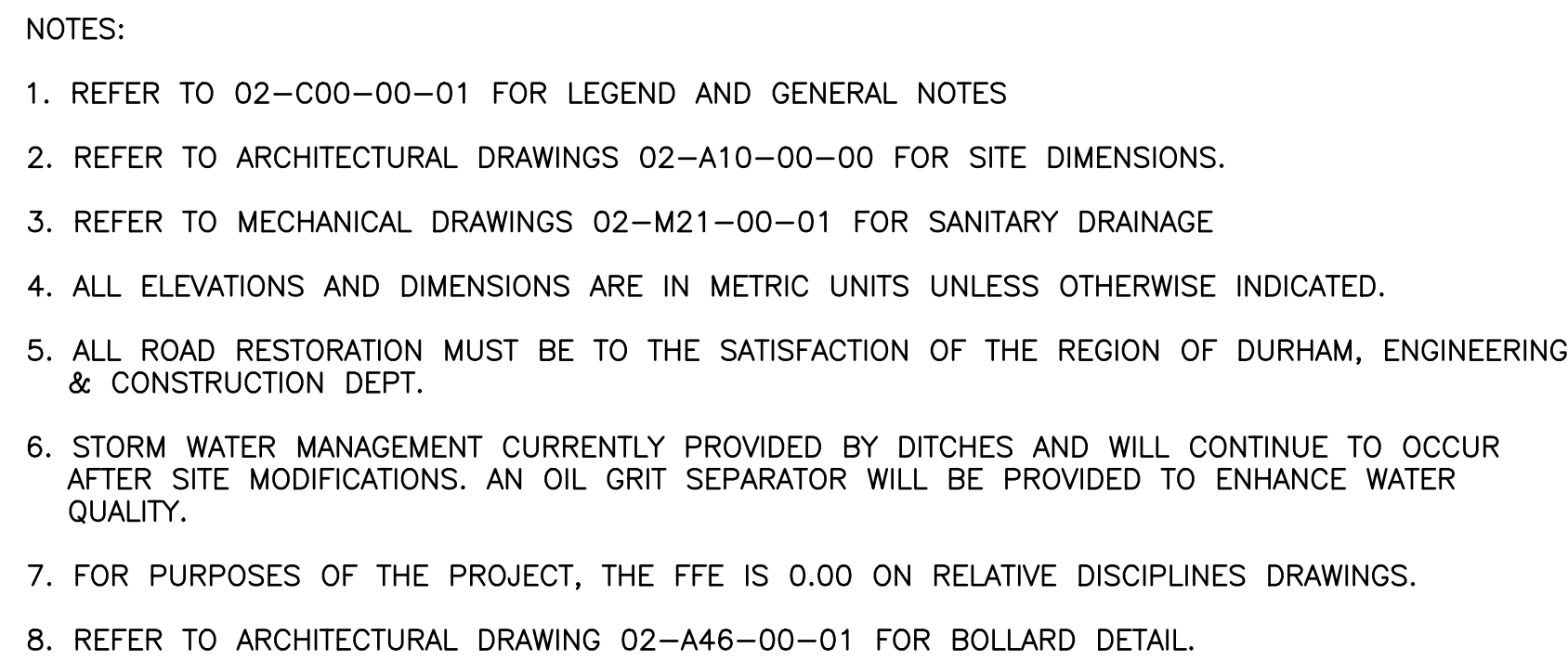
Project
EXPAND GARAGE
SCUGOG DEPOT
10 REGIONAL RD. 21, R.R.#14, PORT PERRY

Drawing Title
LEGEND AND NOTES

Check Scale (may be photo-reduced)

Project No. 24RX12.0113	Drawing No. 02-C00-00-01
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ROD Contract No.
T-1038-2019



DATE (mm dd yyyy)	ISSUED FOR	REV
JUN 03 2018	TENDER	0
KEY PLAN NTS		
CONSULTANTS		
IBI GROUP 100-175 Galaxy Boulevard Toronto ON M9W 1G9, Canada tel 416 679 1930 fax 416 675 4620 ibi@group.com		
This drawing has been prepared solely for the use of the Regional Municipality of Durham and there are no representations of any kind made by IBI Group to any party with whom IBI Group has not entered into a contract		
North Arrow		
Detail Symbol		
Project Manager A. VAN VEEN Project leader B. MEDFORD Date NOV 2012 Client		
Architect/Engineer B. MEDFORD Drawn PG Checked E. HARRICHARRAN		
THE REGIONAL MUNICIPALITY OF DURHAM WHITBY WORKS DEPARTMENT ONTARIO		
Project EXPAND GARAGE SCUCOG DEPOT 10 REGIONAL RD. 21, R.R.#14, PORT PERRY		
Drawing Title SITE GRADING PLAN AND SEDIMENT EROSION CONTROL PLAN		
Check Scale (may be photo-reduced) 0 1 inch 0 10mm		
Drawing No. 24RX12.0113 Drawing No. 02-C10-00-01		

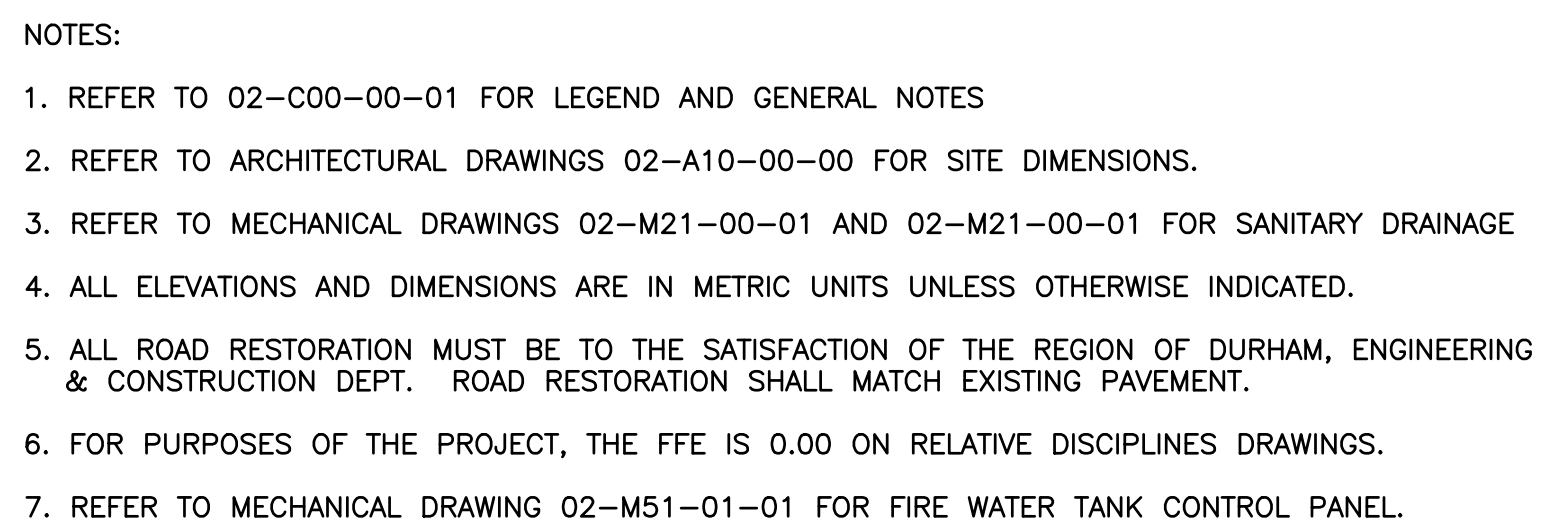


Diagram illustrating the cross-section of a trench for a drainage system. The layers from top to bottom are:

- SUBGRADE
- FINISH GRADE
- APPROVED NATURAL SAND (65% STD. PROCD. DR. DENSITY)
- 50mm THICK POLYSTYRENE INSULATION (DOW HI-60)
- BEDDING MATERIAL

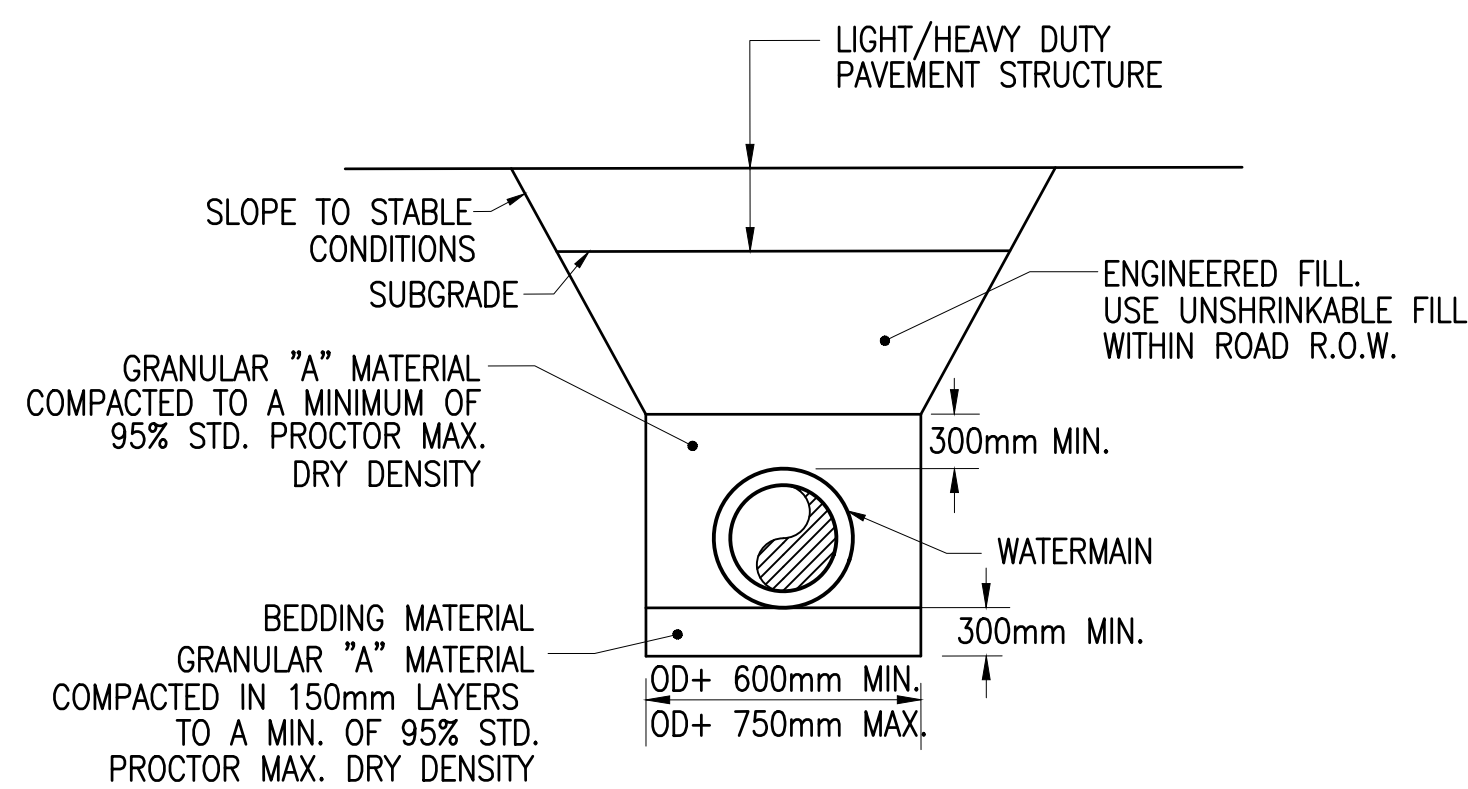
Dimensions and formulas shown:

- Width: $W = 2(X-D) + d$
- Depth: D
- Bedding Material Thickness: 150
- Bedding Material Diameter: d

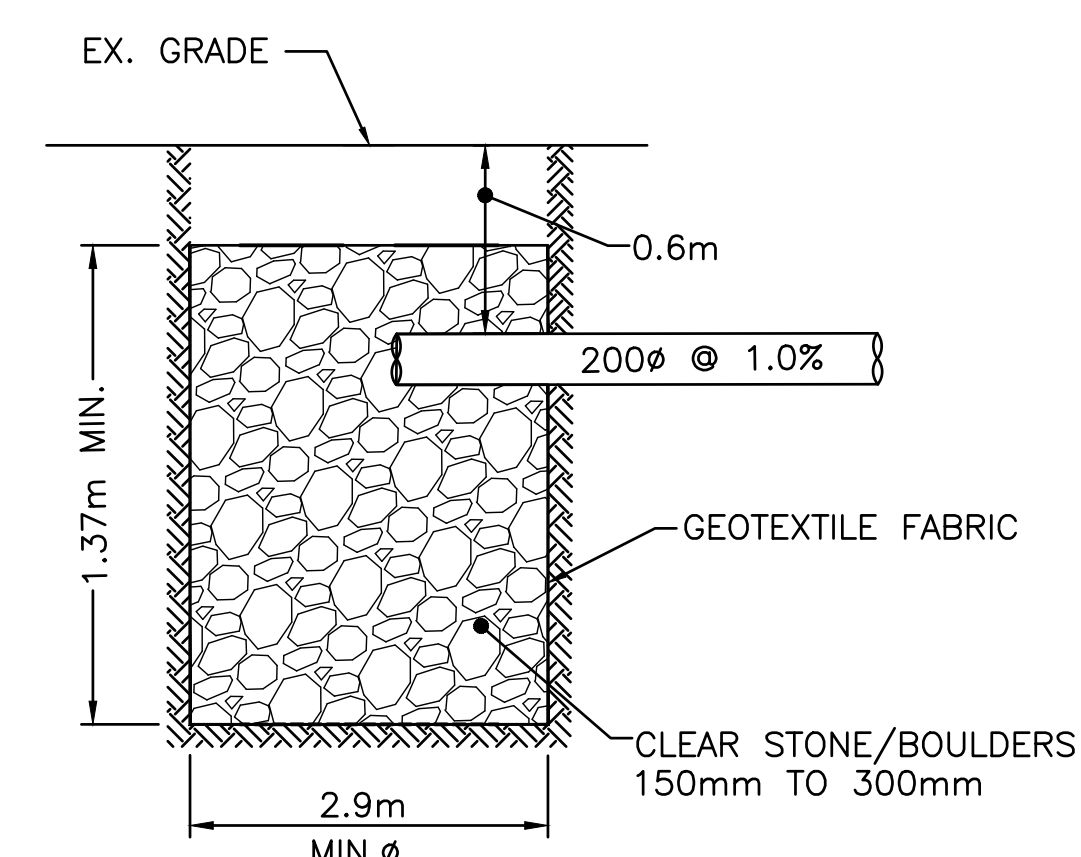
SEE NOTE 1

WATER SERVICE INSULATION DETAIL
N.T.S.

NOTE 1 : LIGHT DUTY PAVEMENT STRUCTURE WITHIN PARKING LOT,
HEAVY DUTY PAVEMENT STRUCTURE WITHIN ACCESS ROAD
APPROVED NATIVE BACKFILL ELSEWHERE
REFER TO DWG. NO. 02-C00-00-01 FOR PAVEMENT STRUCTURE



CLASS "B" TRENCH DETAIL
N.T.S.



NOTE: EDGE OF DRY WELL MUST BE LOCATED A MINIMUM OF 5.0m FROM ANY BUILDING FOUNDATION

DRY WELL SECTION DETAIL
N.T.S.

Project Manager A. VAN VEEN	Architect/Engineer B. MEDFORD
Project Leader B. MEDFORD	Drawn PC
Date Nov 2012	Checked E. HARRICHARRAN
Client	
 THE REGIONAL MUNICIPALITY OF DURHAM WORKS DEPARTMENT WITBY ONTARIO	
Project EXPAND GARAGE SCUGOG DEPOT 10 REGIONAL RD. 21, R.R.#14, PORT PERRY	
Drawing Title SITE SERVICING PLAN	
Check Scale (may be photo-reduced)  	
Project No. 24RX12.0113	Drawing No. 02-C20-00-01