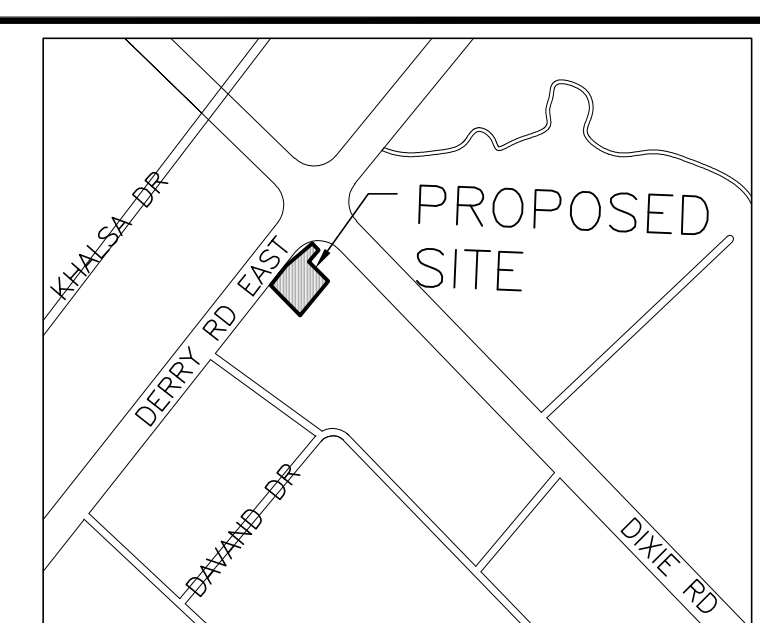


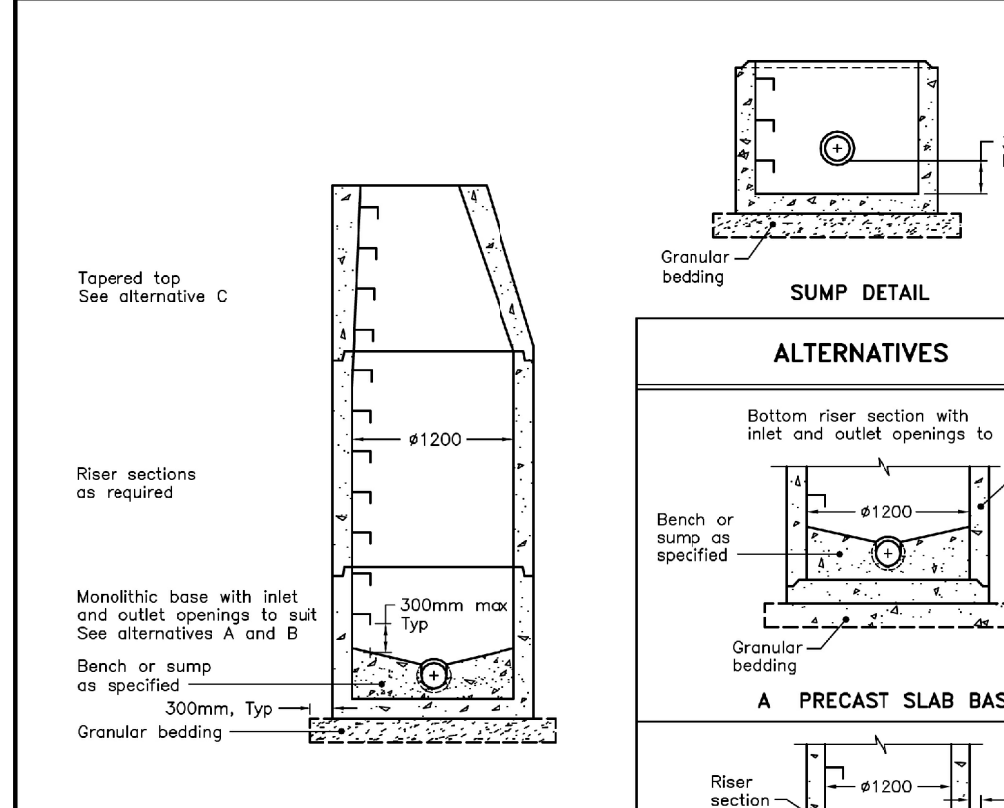
**CITY TRANSPORTATION AND WORKS DEVELOPMENT ENGINEERING NOTES**

- ALL SURFACE DRAINAGE WILL BE SELF CONTAINED, COLLECTED AND DISCHARGED AT A LOCATION TO BE APPROVED PRIOR TO THE ISSUANCE OF A BUILDING PERMIT.
- THE PORTIONS OF THE DRIVEWAY WITHIN THE MUNICIPAL BOULEVARD WILL BE PAVED BY THE APPLICANT TO CITY REQUIREMENTS AND STANDARDS.
- ALL EXCESS EXCAVATED MATERIAL WILL BE REMOVED FROM THE SITE.
- THE EXISTING DRAINAGE PATTERN WILL BE MAINTAINED EXCEPT WHERE NOTED.
- THE APPLICANT WILL BE REQUIRED TO CONTACT ALL UTILITY COMPANIES TO OBTAIN ALL REQUIRED LOCATES PRIOR TO THE INSTALLATION OF HOARDING WITHIN THE MUNICIPAL RIGHT OF WAY.
- THE APPLICANT WILL BE RESPONSIBLE FOR THE COST OF ANY UTILITY RELOCATIONS NECESSITATED BY THE SITE PLAN.
- PRIOR TO CONSTRUCTION TAKING PLACE, ALL REQUIRED HOARDING IN ACCORDANCE WITH THE ONTARIO OCCUPATIONAL HEALTH & SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS MUST BE ERECTED AND THEN MAINTAINED THROUGHOUT ALL PHASES OF CONSTRUCTION.
- SHOULD ANY WORKS BE REQUIRED WITHIN THE MUNICIPAL RIGHT OF WAY, A ROAD OCCUPANCY PERMIT WILL BE REQUIRED. PUCC APPROVAL WILL BE REQUIRED. FOR FURTHER INFORMATION, PLEASE CONTACT THE PUCC/PERMIT TECHNOLOGIST, LOCATED AT 3185 MAVIS ROAD.



**LEGEND**

	PROPERTY LINE
	PROPOSED CONCRETE CURB
	PROPOSED DEPRESSED CONCRETE CURB
	PROPOSED STORM SEWER
	PROPOSED STORM MANHOLE
	PROPOSED CATCH BASIN MANHOLE
	PROPOSED CATCH BASIN
	PROPOSED SANITARY MANHOLE
	EXISTING CATCH BASIN
	EXISTING FIRE HYDRANT
	BARRIER FREE PARKING
	MAIN ENTRANCE
	OVERHEAD DOOR
	UTILITY POLE
	EXISTING TREE
	ARIAL WIRE
	BARRIER CURB
	WATER VALVE
	BOLLARDS LINE
	WATER METER LOCATION
	BACK FLOW PREVENTER
	WATER VALVE



**NOTES:**

- The sump is measured from the lowest invert.
- Granular backfill shall be placed to a minimum thickness of 300mm all around the maintenance hole.
- Precast concrete components shall be according to OPSD 701.030, 701.031, or 701.032.
- Structure exceeding 5.0m in depth shall include safety platform according to OPSD 404.020.
- Pipe support according to OPSD 708.020.
- For benching and pipe opening details, see OPSD 704.021.
- For adjustment unit and frame installation, see OPSD 704.010.
- All dimensions are nominal.
- All dimensions are in millimetres unless otherwise shown.

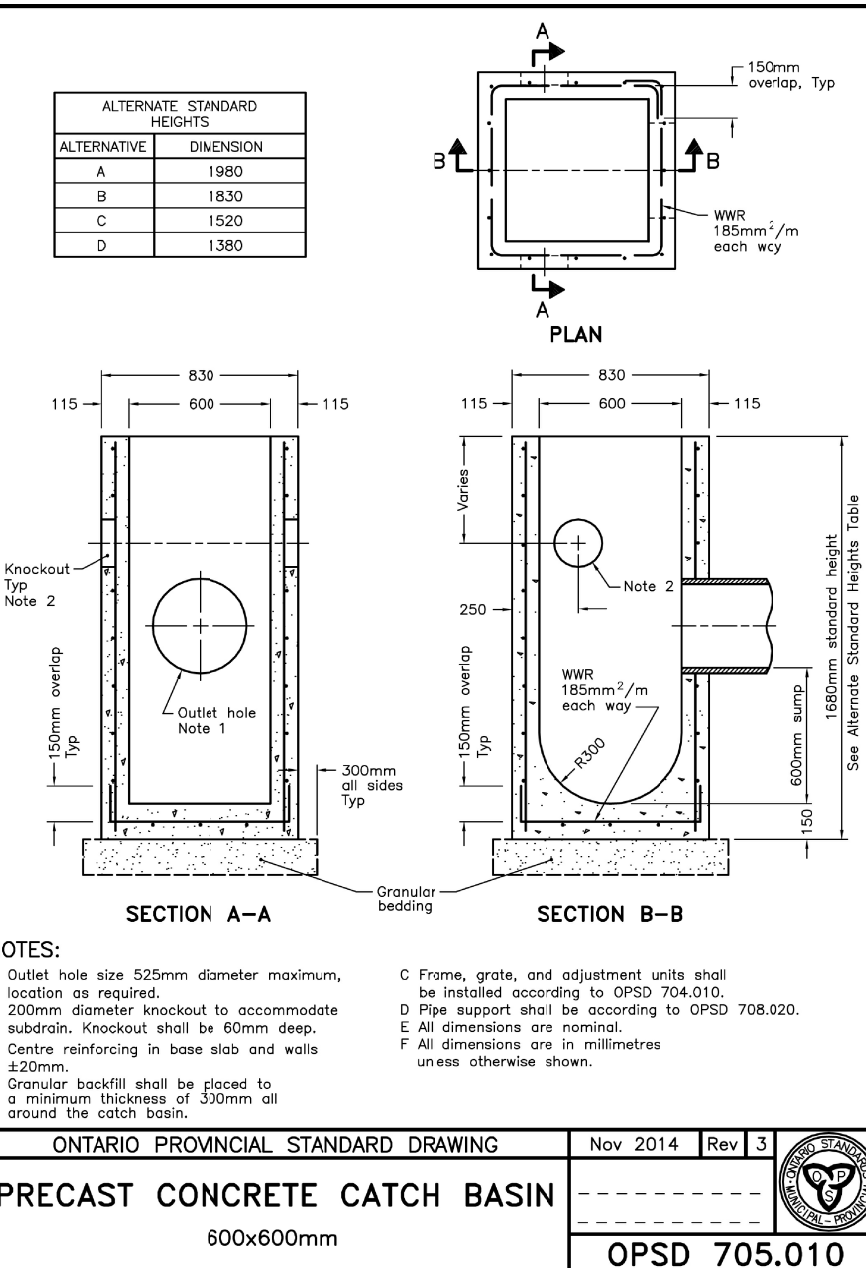
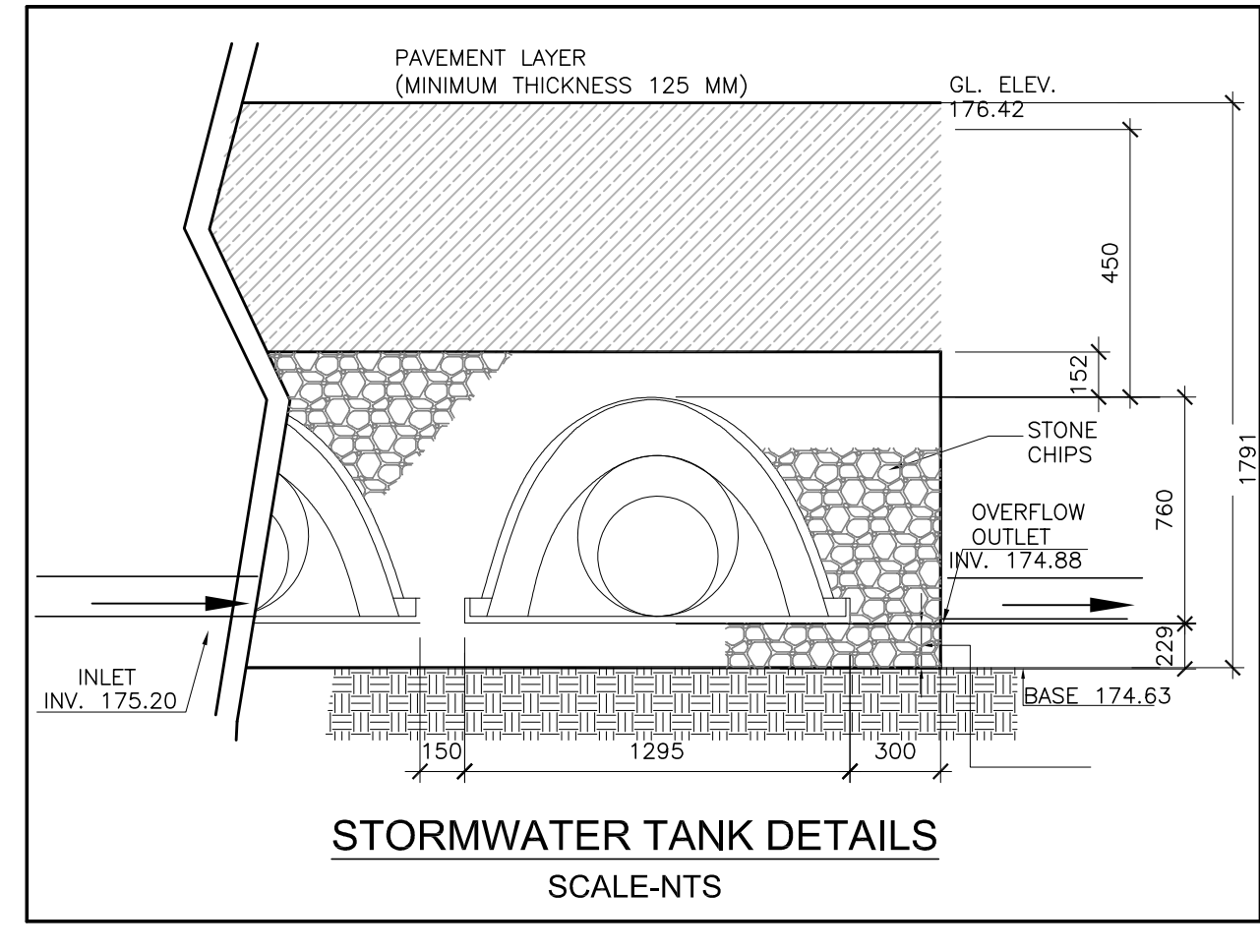
ONTARIO PROVINCIAL STANDARD DRAWING  
**PRECAST CONCRETE MAINTENANCE HOLE**  
 1200mm DIAMETER  
 Nov 2014 Rev 5  
**OPSD 701.010**

**REGION OF PEEL NOTES**

- ALL MATERIALS AND CONSTRUCTION METHODS MUST CORRESPOND TO THE CURRENT PEEL PUBLIC WORKS STANDARDS AND SPECIFICATIONS.
- WATERMAIN AND/OR WATER SERVICE MATERIALS 100MM (4") AND LARGER MUST BE P.V.C DR-18 MANUFACTURED TO A.W.A. SPEC. C900.16 COMPLETE WITH TRACER WIRE, SIZES 50MM(2") AND SMALLER ARE TO BE TYPE "X" SOFT COPPER PIPE.
- WATERMANS AND/OR WATER SERVICES ARE TO HAVE A MINIMUM COVER OF 1.7M(5'-7") WITH A MINIMUM HORIZONTAL SPACING OF 1.2M(4'-0") FROM THEMSELVES AND ALL OTHER UTILITIES.
- PROVISION FOR FLUSHING WATER LINE PRIOR TO TESTING ETC. MUST BE PROVIDED WITH AT LEAST A 50MM(2") OUTLET ON 100MM(4") AND LARGER LINES. COPPER LINES ARE TO HAVE FLUSHING POINTS AT THE END, THE SAME SIZE AS THE LINE THEY MUST ALSO BE HOSED OR PIPED TO ALLOW THE WATER TO DRAIN ONTO A PARKING LOT OR DOWN A DRAIN ON FIRE LINES. FLUSHING OUTLET TO BE 100MM(4") MINIMUM ON A FIRE HYDRANT.
- ALL CURB STOPS TO BE 3.0M(10') OFF THE FACE OF THE BUILDING UNLESS OTHERWISE NOTED.
- HYDRANT AND VALVE SET TO REGION STANDARD 1-6-1, DIMENSIONS 'A' AND 'B' 0.70M(2') AND 0.90M(3') AND TO HAVE PUMPER NOZZLE.
- WATERMANS TO BE INSTALLED TO GRADES AS SHOWN ON APPROVED SITE PLAN. COPY OF GRADE SHEET MUST BE SUPPLIED TO THE INSPECTOR PRIOR TO THE COMMENCEMENT OF WORK, WHERE REQUESTED BY THE INSPECTOR.
- WATERMANS MUST HAVE A MINIMUM VERTICAL CLEARANCE OF 0.3M(12") OVER AND 0.50M(20") UNDER SEWERS AND ALL OTHER UTILITIES WHEN CROSSING.
- ALL PROPOSED WATER PIPING MUST BE ISOLATED FROM EXISTING OVERHEAD UTILITIES AND STRUCTURES EXISTING AT THE TIME OF CONSTRUCTION IN THE AREA OF HIS WORK WHETHER SHOWN ON THE PLANS OR NOT, AND ALL REPAIRS AND CONSEQUENCES RESULTING FROM DAMAGE TO SAME.
- LOCATION OF ALL EXISTING UTILITIES IN THE FIELD TO BE ESTABLISHED BY THE CONTRACTOR.
- THE CONTRACTOR(S) 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 HIS WORK WHETHER SHOWN ON THE PLANS OR NOT, AND ALL REPAIRS AND CONSEQUENCES RESULTING FROM DAMAGE TO SAME.
- THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE TO GIVE 72 HOURS WRITTEN NOTICE TO UTILITIES PRIOR TO CROSSING SUCH UTILITIES, FOR THE PURPOSE OF INSPECTION BY THE CONCERNED UTILITY. THIS INSPECTION WILL BE FOR THE DURATION OF THE CONSTRUCTION, WITH THE CONTRACTOR RESPONSIBLE FOR ALL COSTS ARISING SUCH INSPECTION.
- ALL PROPOSED WATER PIPING MUST BE ISOLATED THROUGH A TEMPORARY CONNECTION THAT SHALL INCLUDE AN APPROPRIATE CROSS-CONNECTION CONTROL DEVICE, CONSISTENT WITH THE DEGREE OF HAZARD, FOR BACKFLOW PREVENTION. THE ACTIVE DISTRIBUTION SYSTEM, CONFORMING TO REGION OF PEEL STANDARDS 1-7-7 OR 1-7-8.

**GENERAL NOTES**

- READ THIS DRAWING IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL AND LANDSCAPING PLANS.
- ALL WORK SHALL BE CARRIED OUT IN COMPLIANCE WITH THE APPLICABLE HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS.
- ALL WORK, MATERIALS AND CONSTRUCTION METHODS TO CONFORM WITH THE LATEST STANDARDS, SPECIFICATIONS, POLICIES, REGULATIONS, GUIDELINES AND LAWS FOR THE CITY OF TORONTO, THE ONTARIO BUILDING CODE (OBC), MINISTRY OF THE ENVIRONMENT (MOE), ONTARIO PROVINCIAL STANDARD DRAWINGS AND SPECIFICATIONS (OPSD AND OPS), THE ENVIRONMENTAL PROTECTION ACT AND THE WATER RESOURCES ACT. THE MINISTRY OF TRANSPORTATION STANDARDS WILL APPLY WHERE REQUIRED.
- THE INFORMATION SHOWN FOR EXISTING UTILITIES WAS COMPILED FROM LOCATES INFORMATION AND RECORD DRAWINGS FROM THE CITY. THE INFORMATION IS SHOWN FOR GENERAL INFORMATION ONLY AND THE ACCURACY OR COMPLETENESS OF THE PROVIDED INFORMATION HAS NOT BEEN CONFIRMED. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL UTILITIES DURING CONSTRUCTION. ALL EXISTING UTILITIES MUST BE LOCATED AND VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORK. ANY VARIANCE IS TO BE IMMEDIATELY REPORTED TO THE ENGINEER. LOST TIME DUE TO FAILURE OF THE CONTRACTOR TO CONFIRM UTILITY LOCATIONS AND NOTIFY THE ENGINEER OF POSSIBLE CONFLICTS PRIOR TO CONSTRUCTION WILL BE AT THE CONTRACTOR'S EXPENSE.
- THIS PLAN SHOULD BE READ IN CONJUNCTION WITH ALL OTHER CONSULTANTS' PLANS. ANY DISCREPANCIES SHALL BE CLARIFIED PRIOR TO CONSTRUCTION. INFORMATION RELATED TO DIMENSIONS FOR PRIVATE ROADS, PARKING, CURBING, BUILDING LOCATION AND SETBACKS SHALL BE TAKEN FROM THE SITE PLAN PREPARED BY THE ARCHITECT.
- ALL DIMENSIONS AND ELEVATIONS TO BE VERIFIED PRIOR TO CONSTRUCTION AND ANY DISCREPANCIES FOUND PRIOR TO OR DURING CONSTRUCTION SHALL BE CLARIFIED WITH THE ENGINEER.
- INSPECTIONS:
- ALL WORK IN THE MUNICIPAL RIGHT OF WAY AND EASEMENTS IS TO BE INSPECTED BY THE CITY PRIOR TO BACKFILLING. ALL WORK RELATING TO WATERMANS AND SEWERS TO BE INSPECTED BY THE CITY AS PER THE SITE PLAN AGREEMENT.
- ALL DISTURBED GRASSED AREAS TO BE RESTORED WITH MINIMUM 200MM TOPSOIL AND NO. 1 NURSERY SOIL.
- THE CONTRACTOR AGREES NOT TO MAKE A MATERIAL CHANGE OR CAUSE A MATERIAL CHANGE TO BE MADE TO A PLAN, SPECIFICATION, DOCUMENT OR OTHER INFORMATION, ON THE BASIS OF WHICH THIS DRAWING WAS APPROVED BY THE CITY, WITHOUT NOTIFYING, FILING DETAILS WITH AND OBTAINING WRITTEN AUTHORIZATION OF THE MUNICIPAL AND PROJECT ENGINEER.
- ALL STORMWATER MANAGEMENT WORK, WATER SERVICING WORK AND SANITARY SEWER WORK INSIDE THE BOUNDARY OF THE SITE IS TO BE INSPECTED BY n ARCHITECTURE INC. PRIOR TO BACKFILLING. ALL WORK RELATING TO WATERMANS AND SEWERS TO BE INSPECTED BY n ARCHITECTURE INC. AS PER APPROVED PLANS BY THE CITY.



ONTARIO PROVINCIAL STANDARD DRAWING  
**PRECAST CONCRETE CATCH BASIN**  
 800x600mm  
 Nov 2014 Rev 3  
**OPSD 705.010**

**SERVICING NOTES**

- SANITARY SEWERS**
- PIPE-- SHALL BE P.V.C CONFORMING TO CSA B182.2-06 CERTIFIED ASTM D 3034.046.
  - BENCHING-- ALL SANITARY MANHOLES SHALL BE BENCHMARKED AS PER OPSD 701.021.
  - BEDDING-- AS PER OPSD 802.030 CLASS B FOR RIGID PIPES.
- STORM SEWERS**
- PIPE-- SHALL BE PVC SDR-35 CSA B182.2-06 CERTIFIED ASTM D 3034-04.
  - BENCHING-- ALL STORM MANHOLES SHALL BE BENCHMARKED AS PER OPSD 701.021.
  - BEDDING-- AS PER OPSD 802.030 CLASS B FOR RIGID PIPES.
  - CATCHBASINS-- AS PER OPSD 705.010. CATCHBASIN LEADS SHALL BE 250MM PIPE UNLESS NOTED OTHERWISE FRAMES AND COVERS AS PER OPSD 400.020.
- WATERMANS**
- PIPE-- WATERMAIN PIPE SHALL BE POLYVINYL CHLORIDES (PVC) CONFORMING TO AWMA C900, INCLUDING TRACER WIRE BETWEEN HYDRANTS OR OTHER CONDUCTING APPURTENANCES. ALL WATERMAIN JOINTS AS REQUIRED FOR A 100K PA. RATED PRESSURE.
  - HYDRANTS-- AS PER REGION OF PEEL STD. 1-6-1.
  - THRUST BLOCKING AND RESTRAINTS-- AS PER REGION OF PEEL STANDARDS.
  - CLEARANCE-- MIN. CLEARANCE BETWEEN WATERMAIN AND SEWER SHALL BE 0.50M. VERTICAL AND 2.5M HORIZONTAL.
- TRENCH**
- TRENCHES TO BE DONE IN ACCORDANCE WITH THE OCCUPATIONAL HEALTH & SAFETY ACT.
  - BACKFILL TRENCH WITH UNSHRINKABLE FILL WITHIN RIGHT OF WAY.
- ROOF DRAINS**
- ROOF DRAINS WITH CONTROLLED OUTFLOWS WILL BE AS PER MECHANICAL DRAWINGS.
- | PAVEMENT DESIGN             | LIGHT DUTY PARKING LOT | HEAVY DUTY DRIVEWAY |
|-----------------------------|------------------------|---------------------|
| HL3 ASPHALT--TOP COURSE     | 40MM                   | 40MM                |
| HL8 ASPHALT-- BINDER COURSE | 85MM                   | 85MM                |
| GRANULAR 'A'-- BASE         | 200MM                  | 200MM               |
| GRANULAR 'B'-- SUB-BASE     | 255MM                  | 325MM               |
- INSPECTIONS**
- THE OWNER SHALL RETAIN THE SERVICE OF HIS CONSULTANTS TO ENSURE REQUIRED INSPECTION REPORTS AND CERTIFICATION REQUIREMENTS ARE SUBMITTED TO AFFECTED CITY DEPARTMENTS.
- NOTE**
- THIS DRAWING INDICATES SITE SERVICING INFORMATION ONLY.
  - FOR BUILDING AND SITE LAYOUT DETAIL, REFER TO ARCHITECTURAL DRAWING.

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**PROJECT NORTH**

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No.	Date	Version	Dwn.
1.	21 FEB. 2020	ISSUED FOR ZBA	AZ

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Contractor must verify all job dimensions, drawings, details and specifications and report any discrepancies to designer before proceeding with work.

**PROPOSED GAS STATION**  
 1480 DERRY ROAD EAST,  
 MISSISSAUGA, ON.

DRAWING TITLE:  
**SITE SERVICING PLAN**

DRAWN BY: AZ DATE: MAY 15 2018  
 CHECKED BY: AZ SCALE: 1:200  
 PROJECT NO.: 16-90 DRAWING NO.: C2