

- 150mm IOPSOIL AND SOD OR SEED UNLESS OTHERWISE SPECIFIED BY LANDSCAPE PLANS.

 5. MATCH EXISTING GRADES AT ALL PROPERTY LIMITS. GRADING NOT TO EXTEND ONTO ADJACENT PROPERTIES WITHOUT PRIOR WRITTEN CONSENT
- OF ADJACENT PROPERTY OWNER.

 5. SLOPES TO BE MAXIMUM 4H:1V UNLESS OTHERWISE NOTED.

 7. RETAINING WALLS, IF ANY, TO BE DESIGNED BY OTHERS AND IN
- CONFORMANCE WITH THE ONTARIO BUILDING CODE.

 8. UNLESS OTHERWISE RECOMMENDED BY A GEOTECHNICAL CONSULTANT, ALL GRANULAR MATERIAL TO BE COMPACTED TO 100% STANDARD PROCTOR
- MAX DRY DENSITY.

 9. UNLESS OTHERWISE RECOMMENDED BY A GEOTECHNICAL CONSULTANT, ALL GENERAL BACKFILL TO BE APPROVED MATERIAL AND COMPACTED TO
- MINIMUM 95% STANDARD PROCTOR MAX DRY DENSITY.

 10. FILL MATERIALS TO BE FREE OF ANY DELETERIOUS MATERIAL INCLUDING DEBRIS, LARGE ROCKS, ORGANICS, ETC. FILL MATERIAL TO BE FREE FROM LENSES, POCKETS OR LAYERS OF MATERIAL WHICH ARE SIGNIFICANTLY DIFFERENT IN GRADATION FROM SURROUNDING MATERIAL IN THE SAME ZONING. CARE SHOULD BE TAKEN TO ENSURE THAT FILL MATERIAL DOES
- NOT SEGREGATE DURING TRANSPORTATION OR STORAGE. IF SEGREGATION OCCURS, MATERIAL SHOULD BE MIXED PRIOR TO PLACEMENT.

 11. ALL EARTHWORKS ACTIVITIES TO BE UNDERTAKEN IN COMPLIANCE WITH O.Reg 406/19 REGARDING ON—SITE AND EXCESS SOIL MANAGEMENT.

WORKS WITHIN THE MUNICIPAL RIGHT OF WAY

- AN ENTRANCE PERMIT IS REQUIRED PRIOR TO CONSTRUCTION OF THE PROPOSED SITE ENTRANCE.
- A ROAD OCCUPANCY PERMIT IS REQUIRED PRIOR TO ANY CONSTRUCTION WITHIN THE MUNICIPAL RIGHT-OF-WAY.
 A PUBLIC TREE PERMIT IS REQUIRED TO REMOVE OR INJURE ANY TREE
- WITHIN THE TOWNSHIP RIGHT-OF-WAY.

 4. CONTRACTOR TO CONFORM TO REQUIREMENTS OF ENTRANCE PERMIT AND ROAD OCCUPANCY PERMIT. WHERE THE PERMITS DIFFER FROM THESE
- ROAD OCCUPANCY PERMIT. WHERE THE PERMITS DIFFER FROM THESE NOTES, THE PERMIT CONDITIONS SHALL TAKE PRECEDENCE.

 5. ALL WORKS WITHIN THE MUNICIPAL RIGHT—OF—WAY ARE AT THE
- DEVELOPER'S COST AND ARE TO BE COMPLETED BY A TOWNSHIP APPROVED CONTRACTOR.
- CONTRACTOR TO BE RESPONSIBLE FOR PROPERLY COMPACTING BACKFILL MATERIAL AND RESTORING SURFACES TO EXISTING CONDITIONS OR BETTER
- TO THE SATISFACTION OF THE TOWNSHIP.

 7. BOULEVARDS TO BE RESTORED WITH MINIMUM 200mm TOPSOIL AND No. 1
- NURSERY SOD OR SEED TO THE SATISFACTION OF THE TOWNSHIP.

 8. ROAD MUST BE MAINTAINED TO A MINIMUM OF ONE LANE AT ALL TIMES FOR EMERGENCY ACCESS PER OTM GUIDELINES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL IN ACCORDANCE WITH THE ONTARIO TRAFFIC MANUAL, BOOK 7 — TEMPORARY CONDITIONS.

SERVICING NOTES

- ALL MATERIALS AND CONSTRUCTION METHODS MUST CORRESPOND TO THE CURRENT TOWNSHIP OF SOUTHGATE STANDARDS AND SPECIFICATIONS AND APPLICABLE OPSS / OPSD.
- 2. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR LOCATES, EXPOSING, SUPPORTING AND PROTECTING 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 RELATING TO DAMAGE OF SAME.
- THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE TO GIVE 72 HOURS WRITTEN NOTICE TO THE UTILITIES, FOR THE PURPOSES OF INSPECTION BY THE CONCERNED UTILITY. THIS INSPECTION WILL BE FOR THE DURATION OF CONSTRUCTION, WITH THE CONTRACTOR RESPONSIBLE FOR ALL COSTS ARISING FROM SUCH INSPECTION.

STORM 1. ALL STO

- ALL STORM SEWERS LESS THAN 375mm TO BE PVC DR 35 PIPE AND CONFORM TO OPSS 1820 AND ANY APPLICABLE CSA STANDARDS. 150mm STORM SEWER LEADS TO BE 150mm PVC DR28
 ALL STORM SEWERS GREATER THAN 375mm TO BE CONCRETE (CSA A257.1)
 ALL CATCHBASINS TO BE 600mm x 600mm PRECAST CONCRETE PER OPSD
- 4. ALL MANHOLES AND CATCHBASIN MANHOLES TO BE 1200mm DIAMETER PRECAST CONCRETE PER OPSD 701.010, UNLESS OTHERWISE NOTED.

SANITARY

 REFER TO THE SANITARY LOW PRESSURE SYSTEM DESIGN COMPLETE BY TRITON ENGINEERING (SEPTEMBER 2025).
 ALL MATERIAL TO CONFORM WITH THE CURRENT TOWNSHIP OF SOUTHGATE STANDARDS

WATER

- THE OWNER IS RESPONSIBLE FOR SATISFYING THAT THERE IS ADEQUATE FIRE PROTECTION AVAILABLE FOR THEIR PURPOSES.
 WATERMAINS TO BE CONSTRUCTED IN ACCORDANCE WITH OPSS 441.
 ALL MUNICIPAL OWNED WATER VALES TO BE OPERATED BY THE TOWNSHIP.
- THE CONTRACTOR IS TO COORDINATE ALL NECESSARY VALVE OPERATIONS WITH THE TOWNSHIP PUBLIC WORKS DEPARTMENT.

 4. WATERMAINS AND/OR WATER SERVICES MATERIALS FOR SIZES 100mm AND LARGER TO BE DR18 MANUFACTURED TO AWWA SPEC. C900—16 SPEC
- LARGER TO BE DR18 MANUFACTURED TO AWWA SPEC. C900—16 SPEC COMPLETE WITH TRACER WIRE. SIZE 50mm AND SMALLER MUST BE TYPE 'K' SOFT COPPER PIPE PER ASTM B88—49 SPECIFICATION.

 5. THE CONTRACTOR SHALL FURNISH ALL FITTINGS, SPECIALS, BRANCH
- OUTLETS, CLOSURE PIECES, ETC. REQUIRED FOR THE COMPLETE INSTALLATION OF THE WATERMAIN.

 6. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY WATER
- SUPPLY TO BUILDINGS AT ALL TIMES. THE CONTRACTOR WILL BE RESPONSIBLE FOR QUALITY TESTING OF THE TEMPORARY SUPPLY IN ACCORDANCE WITH TESTING PROCEDURES TO THE SATISFACTION OF THE
- THICKNESS SUITABLEFOR DIRECT BURIAL AND COLOUR CODED BLUE. REFER TO SECTION E2 OF THE TOWNSHIP OF SOUTHGATE ENGINEERING STANDARDS.

 8. TRACER WIRE SHALL NOT BE BROUGHT UP TO THE SURFACE INSIDE VALVE

TRACER WIRE TO BE #12 AWG COPPER CLAD STEEL. HIGH STRENGTH WITH MINIMUM 450 LB. BREAK LOAD AND MINIMUM 30 MIL HDPE INSULATION

- BOXES. TRACER WIRE TO BE BROUGHT UP TO THE OUTSIDE OF THE VALVE BOX INSTALLED THROUGH A GROMMET NEAR THE SURFACE.

 9. GATE VALVES TO BE RESILIENT WEDGE CONFORMING TO AWWA C509, E-6100 MECHANICAL JOINT PER TOWNSHIP OF SOUTHCATE STANDARDS WITH
- 9. GATE VALVES TO BE RESILIENT WEDGE CONFORMING TO AWWA C509,
 F-6100 MECHANICAL JOINT PER TOWNSHIP OF SOUTHGATE STANDARDS WITH
 FUSIN-BONDED EPOXY COATING AND BRONZE STEM OPENING
- 10. ALL FITTINGS TO BE MECHANICALLY RESTRAINED INCLUDING A MINIMUM OF 10m ON EITHER SIDE OF THE FITTING.

 11. NON-METALLIC WATERMAIN WITH METALLIC VALVES AND FITTINGS AND
- NON-METALLIC SERVICE LATERALS TO HAVE ONE DZP-24, 10.9 kg ANODE ATTACHED TO EACH METALLIC FITTING WITH A BRASS GROUNDING CLAMP. PETROLATUM TAPE TO BE USED ON ALL METALLIC FITTINGS.
- 12. PRIOR TO CONNECTION TO THE PUBLIC WATERMAIN, THE CONTRACTOR IS TO PROVIDE THE TOWNSHIP ENGINEER AND PUBLIC WORKS A COMMISSIONING PLAN WHICH IS TO INCLUDE PLANS FOR SWABBING, DISINFECTION,
- PRESSURE TESTING AND BACTERIOLOGICAL TESTING.

 13. ALL FIELD TESTS TO BE CONDUCTED IN THE PRESENCE OF THE TOWNSHIP AND THE CONTRACT ADMINISTRATOR.

 14. SWABBING REQUIRED IN ACCORDANCE WITH OPSS 441.07.25.

 15. CHLORINE RESIDUAL AND BATERIOLOGICAL TESTING REQUIRED IN
- ACCORDANCE WITH OPSS 441.07.25. DISINFECTION OF WATERMAIN SHALL BE COMPLETED IN ACCORDANCE WITH MECP WATERMAIN DISINFECTION PROCEDURE AND AWWA 651.
- 16. HYDROSTATIC PRESSURE TESTING TO BE CARRIED OUT IN ACCORDANCE WITH OPSS 441.
 17. CONNECTION TO THE MUNICIPAL WATERMAIN TO BE MADE IN ACCORDANCE
- WITH TOWNSHIP OF SOUTHGATE STANDARDS.

 18. ALL PROPOSED WATER PIPING TO BE ISOLATED FROM EXISTING LINES IN ORDER TO ALLOW INDEPENDENT PRESSURE TESTING AND CHLORINATING
- ORDER TO ALLOW INDEPENDENT PRESSURE TESTING AND CHLORINATING FROM EXISTING SYSTEMS.

 19. 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 OF THE ACTIVE DISTRIBUTION SYSTEM.

 20. WHERE EXISTING WATERMAINS ARE TAPPED, THE PIPE SURFACE AT THE
- LOCATION OF THE TAP SHALL BE CLEANED AND DISINFECTED USING A MINIMUM OF 1% SODIUM HYPOCHLORITE SOLUTION. WHERE APPLICABLE, THE DRILL/CUTTING/TAPPING BITS AND ALL SURFACES OF MAINSTOPS, SERVICE SADDLES, TAPPING SLEEVES AND VALVES WHICH WILL COME INTO CONTACT WITH DRINKING WATER SHALL BE LIKEWISE CLEANED AND DISINFECTED USING A MINIMUM 1% SODIUM HYPOCHLORITE SOLUTION IMMEDIATELY PRIOR TO INSTALLATION. IF ANY OF THE DISINFECTED SURFACES COME IN CONTACT WITH SOIL AND/OR WATER IN THE EXCAVATION PRIOR TO USE, THE CLEANING AND DISINFECTION PROCEDURE SHALL BE REPEATED.

- PERMITTED AT ANY TIME.

 17. PRIOR TO SITE DISTURBANCE THE CONTRACTOR / PROPONENT SHOULD ENSURE THAT THE WORKS ARE IN CONFORMANCE WITH MIGRATORY BIRDS CONVENTION ACT. PLEASE NOTE THAT THE GENERAL BREEDING BIRD TIMING WINDOW FOR THIS AREA IS APRIL 1ST TO AUGUST 31ST, HOWEVER, BREEDING ACTIVITIES MIGHT INITIATE PRIOR TO AND CONTINUE PAST THIS
- 18. TOPSOIL AND TEMPORARY MATERIAL STOCKPILES TO BE ENCLOSED WITH SEDIMENT CONTROL FENCE. SEDIMENT CONTROL FENCE FOR STOCKPILES TO BE TERRAFIX TERRAFENCE OR APPROVED EQUIVALENT.

 19. ACCUMULATED SEDIMENT TO BE REMOVED FORM THE SEDIMENT BARRIER.
- 19. ACCUMULATED SEDIMENT TO BE REMOVED FORM THE SEDIMENT BARRIER ONCE IT REACHES A DEPTH OF MAXIMUM 300mm. ALL ACCUMULATED SEDIMENT IS TO BE REMOVED PRIOR TO REMOVING THE TEMPORARY SEDIMENT CONTROL FENCING.
- 20. REMOVE TEMPORARY SEDIMENT CONTROLS FOLLOWING COMPLETION OF CONSTRUCTION AND SITE STABILIZATION.
 21. AN AFTER HOURS CONTACT LIST IS TO BE VISIBLY POSTED ON—SITE FOR EMERGENCIES. ALL THE PLANS SHOULD HAVE THE NAME AND CONTACT INFORMATION FOR THE PERSON RESPONSIBLE FOR MAINTENANCE OF ESC
- 22. ANY SEDIMENT OR OTHER SPILL FROM THE SITE IS TO BE REPORTED TO THE MINISTRY OF ENVIRONMENT (SPILL ACTION CENTRE) AT 1-800-268-6060.

150mm Ø GALV. STEEL PIPE FILLED WITH CONCRETE

178x1320 BOLLARD PLASTIC COVER

450mm Ø x 25 MPa = CONC. ENCASEMENT IN SONOTHER

PERMANENT BOLLARD DETAIL

 REMOVABLE BOLLARD TO BE STAINLESS OR GALV. STEEL AS SUPPLIED BY ONTARIO BOLLARDS, GEORGETOWN, ONTARIO REMOVABLE BOLLARD DETAIL

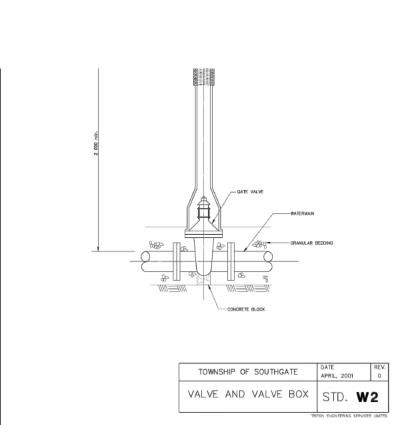
AUGUST, 2021

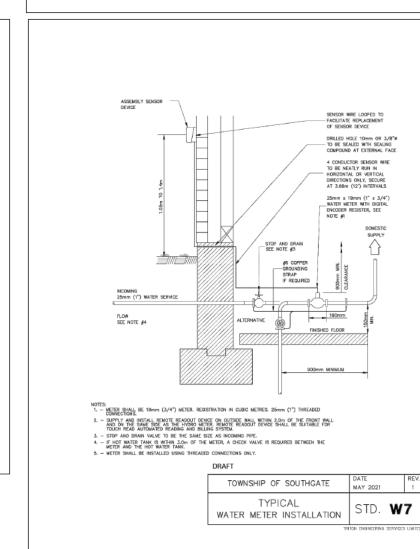
STD. L6

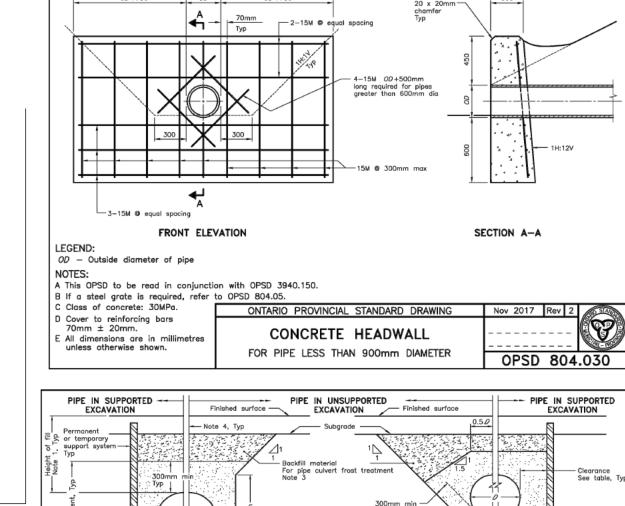
TOWNSHIP OF SOUTHGATE

PERMANENT & REMOVABLE

BOLLARD







TYPE 1 OR 2

SOIL

LEGEND:

NOTES:

D - Inside diameter

1 Height of fill is measured from the finished surface to top of pipe. 2 The pipe bed shall be compacted and shaped to receive the bottom

of the pipe.

3 Pipe culvert frost treatment shall be according to OPSD 803.030 and 803.031.

4 Condition of excavation is symmetrical about centreline of pipe.

A Granular material placed in the haunch area shall be compacted

prior to placing and compacting the remainder of the embedment

3 Soil types as defined in the Occupational Health and Safety Act and Regulations

PIPE IN SUPPORTED --EXCAVATION

TYPE 3

0.50

Bedding grade

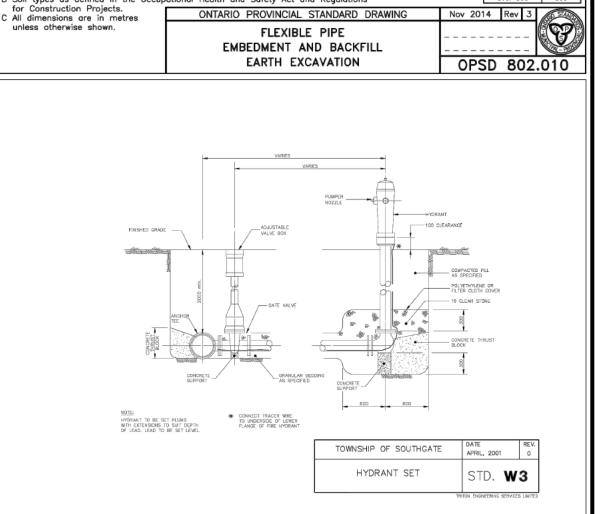
EXCAVATION

TYPE 4

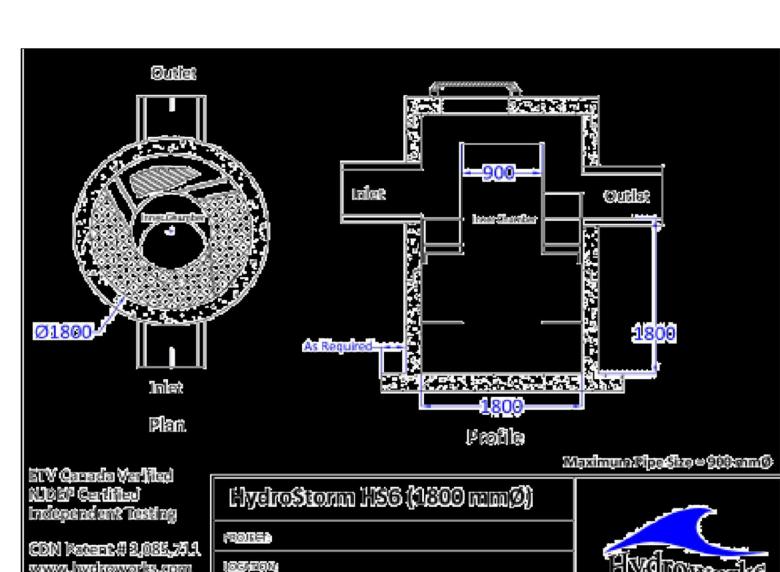
— Finished surf

— Subgrade

CLEARANCE TABLE
Pipe
Inside Diameter Clearance





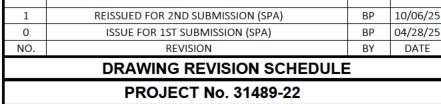


REVISION DATE:

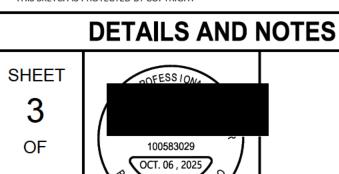


752065 IDA STREET
PART OF LOT 237, CONCESSION 2
SOUTHWEST OF THE TORONTO AND
SYDENHAM ROAD
GEOGRAPHIC TOWNSHIP OF PROTON
TOWNSHIP OF SOUTHGATE
COUNTY OF GREY

PROPOSED SELF STORAGE COMPLEX



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