

## **GENERAL NOTES:**

- 1. PRIOR TO STARTING ANY WORKS, THE CONTRACTOR MUST ENSURE THAT ALL NECESSARY APPROVALS ARE IN PLACE FROM THE GEORGETOWN, TOWNSHIP OF HALTON HILLS AND OTHER EXTERNAL AGENCIES. AS REQUIRED.
- 2. ALL WORK SHALL BE CARRIED OUT IN COMPLIANCE WITH THE APPLICABLE HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS.
- 3. ALL WORK AND MATERIALS TO CONFORM WITH THE CURRENT PROVINCIAL BUILDING CODE, MINISTRY OF THE ENVIRONMENT OF ONTARIO, GEORGETOWN, TOWNSHIP OF HALTON HILLS. ONTARIO PROVINCIAL STANDARDS AND SPECIFICATIONS. LOCAL UTILITY STANDARDS AND
- 4 FOR ALL CONSTRUCTION DETAILS NOT SHOWN ON THE DRAWINGS. REFERENCE SHALL BE MADE TO THE DESIGN STANDARDS OF THE GEORGETOWN. TOWNSHIP OF HALTON HILLS.

MINISTRY OF TRANSPORTATION STANDARDS WILL APPLY WHERE REQUIRED.

- 5. THE CONTRACTOR IS ADVISED THAT WORKS BY OTHERS MAY BE ONGOING DURING THE PERIOD OF THIS CONTRACT. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH ALL OTHER CONTRACTORS AND PREVENT CONSTRUCTION CONFLICTS.
- 6. THE INFORMATION SHOWN FOR EXISTING UTILITIES WAS PROVIDED BY OTHERS. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL UTILITIES DURING CONSTRUCTION. ALL EXISTING UTILITIES MUST BE LOCATED AND VERIFIED BY EACH PROVIDER PRIOR TO COMMENCEMENT OF WORK. ANY VARIANCE IS TO BE REPORTED TO THE ENGINEER 48 HOURS PRIOR TO CONSTRUCTION. LOST TIME AND/OR ANY ADDITIONAL WORKS DUE TO FAILURE OF THE CONTRACTOR TO CONFIRM UTILITY LOCATIONS AND NOTIFY THE ENGINEER OF ANY CONFLICTS 48 HOURS PRIOR TO CONSTRUCTION WILL BE AT THE CONTRACTORS EXPENSE.
- 7. THE CONTRACTOR SHALL INSTALL ALL SEDIMENT CONTROL DEVICES PRIOR TO THE COMMENCEMENT OF SITE GRADING WORKS, SILT LADEN WATER MUST NOT BE PERMITTED TO ENTER INTO ANY EXISTING CATCH BASINS, INLETTING STRUCTURES, OR WATERCOURSES. ADDITIONAL CONTROLS AS DEEMED REQUIRED BY THE AUTHORITIES AND/OR THE ENGINEER DURING CONSTRUCTION ACTIVITIES SHALL BE PROVIDED BY THE CONTRACTOR. THE CONTRACTOR MUST INSPECT SEDIMENT CONTROLS ON A REGULAR BASIS AND AFTER EVERY RAINFALL EVENT. REPAIRS MUST BE DONE IN A TIMELY MANNER TO PREVENT SEDIMENT FROM ENTERING ANY WATER SYSTEMS. ADDITIONAL SILT FENCING MUST BE AVAILABLE IN CASE IMMEDIATE REPAIR IS REQUIRED.
- 8. ALL DIMENSIONS, ELEVATIONS AND OTHER INFORMATION SHALL BE CHECKED AND VERIFIED IN THE FIELD BY THE CONTRACTOR 72 HOURS PRIOR TO ANY CONSTRUCTION. ANY DISCREPANCIES FOUND MUST BE REPORTED IMMEDIATELY TO THE ENGINEER.
- 9. THE CONTRACTOR IS TO PROVIDE A TOTAL OF TWO CCTV CAMERA INSPECTIONS OF ALL SANITARY AND STORM SEWERS, INCLUDING PICTORIAL REPORT, TWO CD COPIES AND ONE VIDEO TAPE IN A FORMAT SATISFACTORY TO THE ENGINEER. ALL SEWERS ARE TO BE FLUSHED
- 10. LASER ALIGNMENT CONTROL TO BE UTILIZED ON ALL SEWER INSTALLATIONS.
- 11. ALL PVC SANITARY SEWERS TO BE MANDREL AND AIR TESTED.
- 12. ALL PVC STORM SEWERS TO BE MANDREL TESTED. AIR TEST ONLY IF RECOMMENDED BY SOIL CONSULTANT.

#### **MANHOLES:**

- 1. ALL MANHOLES TO BE PRECAST CONCRETE TO MEET M.O.E. SPECIFICATIONS AND CONFORM TO CITY STANDARDS OPSD 701.010, 701.011, 701.012, 701.013, 701.014, 701.015, 404.020, 405.010, 405.020, 704.010 AND 401.010.
- 2. MANHOLE FRAME AND GRATE TO BE AS PER CITY STANDARDS P-120 TO P125, OR EQUIVALENT APPROVED BY THE SITEWORK ENGINEER OF RECORD.
- 3. 'MODULOC' OR APPROVED MANHOLES ADJUSTERS SHALL BE USED IN LIEU OF BRICKING.
- 4. MANHOLE STEPS SHALL BE RECTANGULAR STAINLESS STEEL AS PER P-130. 5. SAFETY PLATFORMS SHALL BE PROVIDED FOR MANHOLES WITH DEPTH EXCEEDING 5.0m AS
- 6. BENCHING TO BE PROVIDED AT ALL MANHOLES UNLESS OTHERWISE STATED IN ACCORDANCE
- 7. ALL DROP STRUCTURES TO BE CONSTRUCTED AS PER P-110 AND P-111.
- 8. MAXIMUM ALLOWABLE HEIGHT OF PRE-CAST MANHOLE AND CATCH BASIN ADJUSTMENT UNITS SHALL BE 450mm; MINIMUM REQUIRED HEIGHT IS TO BE 150mm. PARGE ADJUSTING UNITS ON
- 9. ALL MANHOLE AND CATCH BASIN EXCAVATIONS SHALL BE BACKFILLED WITH GRANUALR 'B' COMPACTED TO 98% STANDARD PROCTOR DENSITY AND BE PLACED IN ACCORDANCE WITH THE LATEST REVISION OF THE GEOTECHNICAL REPORT.

# **CATCH BASINS:**

- 1. ALL SINGLE AND DOUBLE CATCH BASINS SHALL BE PRECAST AS PER OPSD 705.010 AND 705.020.
- 2. ALL CATCH BASIN FRAMES AND COVERS SHALL BE AS PER CITY STANDRAD P-210.
- 3. ALL CATCH BASIN LEADS SHALL BE SDR-35, 200mmØ FOR SINGLE AND 250mmØ FOR DOUBLE WITH A MINIMUM SLOPE OF 1.00% UNLESS OTHERWISE NOTED. CB LEAD INVERT TO BE MINIMUM 1.50m BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED.
- 4. 'MODULOC' OR APPROVED CATCH BASIN ADJUSTERS SHALL BE USED IN LIEU OF BRICKING.
- 5. DURING CONSTRUCTION ALL CATCH BASINS SHALL BE EQUIPPED WITH A TEMPORARY SEDIMENT CONTROL DEVICE.

# **GRADING**

- PRIOR TO COMMENCEMENT OF GRADING WORKS ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AND OPERATIONAL. THE CONTRACTOR SHALL MAINTAIN ALL WORKS UNTIL SERVICING. CONSTRUCTION IS COMPLETED TO THE SATISFACTION OF THE ENGINEER AND GEORGETOWN.
- 2. ALL GRANULAR BASE AND SUB-BASE COURSE MATERIALS SHALL BE COMPACTED TO 100% STANDARD PROCTOR MAXIMUM DRY DENSITY
- 3. PAVEMENT STRUCTURE TO BE CONSTRUCTED AS RECOMMENDED BY THE GEOTECHNICAL REPORT.
- 4. ALL CURB & GUTTER WITHIN THE SITE TO BE CONSTRUCTED AS PER GEORGETOWN STANDARD SD-06, UNLESS OTHERWISE NOTED.
- 5. INSPECTIONS: ALL WORK ON THE MUNICIPAL RIGHT-OF-WAY AND EASEMENTS TO BE INSPECTED BY THE MUNICIPALITY PRIOR TO BACKFILLING. ALL WORK RELATING TO WATERMAINS AND SEWERS TO BE INSPECTED BY THE MUNICIPALITY WHEN REQUIRED BY THE MUNICIPALITY.
- 6. CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT 48 HOURS PRIOR TO COMMENCING ANY WORK WITHIN THE MUNICIPAL ROAD ALLOWANCE IF REQUIRED BY THE MUNICIPALITY OR THE REGION.
- 7. EMBANKMENTS TO BE SLOPED AT MAX. 3:1, UNLESS OTHERWISE SPECIFIED.
- OF STRUCTURES AS PER DETAIL PROVIDED.
- 9. CONTRACTOR WILL BE RESPONSIBLE FOR ALL REMOVALS AS REQUIRED TO FACILITATE NEW CONSTRUCTION. ALL EXISTING STRUCTURES, VALVES, ETC. ARE TO BE ADJUSTED TO PROPOSED ELEVATIONS.
- 10. EXISTING ELEVATIONS AT MATCH POINTS, AS SHOWN ON PLANS, ARE TO BE CONFIRMED BY THE CONTRACTOR 72 HOURS PRIOR TO MOBILIZATION OF FORCES. LOST TIME AND/OR ANY ADDITIONAL WORKS DUE TO FAILURE OF THE CONTRACTOR TO CONFIRM EXISTING ELEVATIONS AND NOTIFY THE ENGINEER OF POSSIBLE
- 11. ALL ENTRANCE CURB TO BE AS PER OPSD STANDARD 350.010.

#### **WATERMAINS:**

- 1. ALL WATERMAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH OPSS 701.
- 2. WATERMAINS AND APPURTENANCES SHALL BE AS PER TOWNSHIP OF HALTON HILLS
- 3. WATERMAIN SHALL BE POLYVINYL CHLORIDE (PVC) CLASS-150, DR-18 CONFORMING TO APPLICABLE AWWA STANDARDS.
- 4. ALL WATERMAINS SHALL HAVE A MINIMUM COVER OF 1.80m FROM PROPOSED GRADES, SHOWN ON THE GRADING PLAN, UNLESS OTHERWISE NOTED ON THE SERVICING DRAWING. MINIMUM COVER MUST BE MAINTAINED AT ALL TIMES.
- 5. ALL WATERMAIN HORIZONTAL AND VERTICAL BENDS, TEES, JOINTS AND PLUGS TO BE MECHANICALLY RESTRAINED. MECHANICAL RESTRAINERS MUST BE INSTALLED AS PER TOWNSHIP OF HALTON HILLS STANDARDS.
- WATERMAINS MUST COMPLY WITH MINIMUM HORIZONTAL AND VERTICAL CLEARANCES IN ACCORDANCE WITH LOCAL PROVINCIAL GUIDELINES AND THE APPLICABLE BUILDING AND PLUMBING CODE WHERE HORIZONTAL SEPARATIONS CANNOT BE ACHIEVED APPROVAL FROM THE ENGINEER MUST BE OBTAINED AND A MINIMUM 500mm VERTICAL SEPARATION MUST BE
- ALL WATERMAIN BEDDING COVER AND TRENCH DETAIL SHALL BE AS PER LOCAL MUNICIPAL REGIONAL OR PROVINCIAL STANDARDS. THE CONTRACTOR SHALL SUBMIT SAMPLES OF BEDDING AND COVER MATERIALS TO THE GEOTECHNICAL ENGINEER AND OBTAIN APPROVAL FOR USE PRIOR TO COMMENCEMENT OF SERVICE INSTALLATION.
- 8. ALL WATERMAIN AND APPURTENANCES (VALVES, HYDRANTS, FITTINGS, ETC.) SHALL BE INSTALLED WITH CATHODIC PROTECTION AS PER S-435.
- 9. ALL PVC WATERMAIN SHALL BE INSTALLED COMPLETE WITH #14 GAUGE TRACER WIRE, TERMINATING AT GRADE AT A FIRE HYDRANT OR VALVE LOCATION, AND SHALL BE POSITIVELY CONNECTED TO THE HYDRANT OR VALVE.
- 10. ALL WATERMAINS SHALL BE HYDROSTATICALLY TESTED IN ACCORDANCE WITH LOCAL MUNICIPAL AND PROVINCIAL GUIDELINES UNLESS OTHERWISE DIRECTED. PROVISIONS FOR FLUSHING WATER LINE PRIOR TO TESTING, ETC. MUST BE PROVIDED. FLUSHING, PRESSURE TESTING, CHLORINATION AND SAMPLING SHALL BE DONE IN ACCORDANCE WITH THE GEORGETOWN AND TOWNSHIP OF HALTON HILLS REQUIREMENTS.
- ALL WATERMAINS SHALL BE BACTERIALOGICALLY TESTED IN ACCORDANCE WITH LOCAL MUNICIPAL AND PROVINCIAL GUIDELINES. ALL CHLORINATED WATER TO BE DISCHARGED AND PRETREATED TO ACCEPTABLE LEVELS PRIOR TO DISCHARGE. ALL DISCHARGED WATER MUST BE CONTROLLED AND TREATED SO AS NOT TO ADVERSELY AFFECT THE ENVIRONMENT. THE LOCAL MUNICIPALITY MAY HAVE SPECIFIC REQUIREMENTS TO BE COMPLIED WITH. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL MUNICIPAL AND/OR PROVINCIAL REQUIREMENTS ARE FOLLOWED.
- 12. ALL FIRE HYDRANT INSTALLATIONS SHALL BE AS PER DURHAM REGION STD. S-210.010. HYDRANTS SHALL BE PAINTED IN ACCORDANCE WITH CITY STANDARDS. ALL FIRE FLOW TESTING WILL BE PERFORMED IN ACCORDANCE WITH NFPA 291.
- 13. CONTRACTOR SHALL ORIENT HYDRANT AS DIRECTED BY THE LOCAL FIRE DEPARTMENT CONTRACTOR TO CONTACT LOCAL FIRE DEPARTMENT AND OBTAIN WRITTEN DIRECTION AS TO THE REQUIRED ORIENTATION AND SPECIFICATIONS FOR FIRE HYDRANT

# **SEWER MATERIALS:**

- 1. ALL SEWERS OF 375mmØ OR SMALLER SHALL BE PVC. ALL SEWERS 450mmØ OR GREATER SHALL BE CONCRETE.
- 2. POLYVINYL CHLORIDE (PVC) SEWER PIPE TO MEET M.O.E. SPECIFICATIONS, CLASS SDR 35 UNLESS OTHERWISE NOTED.
- 3. ALL CONCRETE SEWER PIPES SHALL BE REINFORCED CLASS 65-D, UNLESS OTHERWISE NOTED; CONFORMING TO CSA-A257.2.
- 4. THE MINIMUM PIPE SIZE FOR MAINLINE OR BRANCH SANITARY OR STORM SEWERS SHALL BE 250mmØ AND 300mmØ RESPECTIVELY.

## SEWER BEDDING:

1. STORM AND SANITARY SEWER BEDDING SHALL BE AS PER GEORGETOWN STANDARD UNLESS OTHERWISE SPECIFIED.

5 1/4" LOCKING LID (F/461-S)
 16T VALVE BOX TOP (F/461-S)
 4" SDR-26 THREADED PIPE
 4" H X F.I.P. SDR-26 ADAPTER

4" SDR-26 PVC PIPE

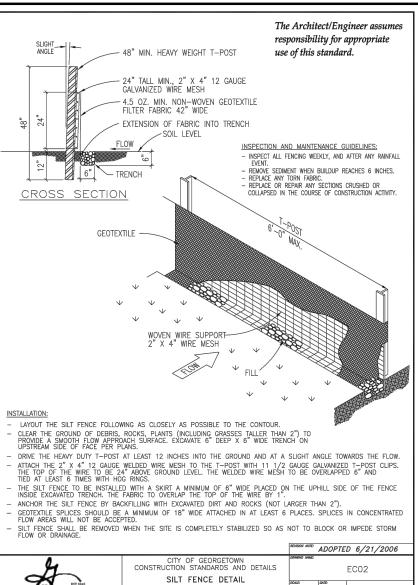
SLOPE = 1.0% MINIMUM

€ OF R.O.W.

SEE NOTE 9

2. ALL SERVICES AND STRUCTURES LOCATED IN TRENCH CUT SHALL BE SUPPORTED BY COMPACTED GRANULAR TO UNDISTURBED OR STRUCTURALLY COMPACTED GROUND.

(SEE NOTES 1,2,& 3)



4 1 4

CITY OF GEORGETOWN CONSTRUCTION STANDARDS AND DETAILS

TOP OF PAVEMENT \

VALVE BOX

OR RESTRAINED JOINT

1. VALVE BOX SHALL BE 5 1/4" CAST IRON ADJUSTABLE HAVING AN ADJUSTABLE RANGE OF + OR - 6 INCHES FROM INSTALLED FINISH GRADE.

CONSTRUCTION STANDARDS AND DETAILS

TYPICAL VALVE SETTING

MECHANICAL JOINT, RESILIENT WEDGE,

NON-RISING STEM GATE VALVE (AWWA) -

(SEE NOTE 2)

CONTRACTION JOINT SPACING 10'

EXPANSION JOINTS AS PER STD. ASTM D-1752.

. ALL CONCRETE SHALL BE CLASS A, 3000 PSI.

REINFORCING BARS SHALL BE LAPPED A MINIMUM OF 15 INCH

REINFORCING BARS SHALL BE SUPPORTED WITH REBAR CHAIRS OR OTHER APPROVED METHODS.

"WATER" TO BE CAST IN COVER WHEN USED ON WATER MAIN OR "SEWER" WHEN USED ON FORCE MAIN

. ACCEPTABLE GATE VALVES ARE:

A. AMERICAN FLOW CONTROL - SERIES 2500 B. MUELLER - 2360 SERIES

6"

(#4 BAR (TYP.)

CLASS "A" 3,000 PSI CONCRETE

MOUNTABLE CURB

24" - #4 SMOOTH DOWEL

16" DOWEL COATING
2" MINIMUM 1/2" PREMOLDED EXPANSION JOINT MATERIAL

2" MINIMUM 1 1/4" MINIMUM

responsibility for appropriat

VALVE BOX

(3/8" ROCK (TYP.)

- BOLTS SHALL BE BITUMINOUS COATED WITH KOPPERS 300 OR APPROVED

The Architect/Engineer assi

use of this standard.

responsibility for appropriate

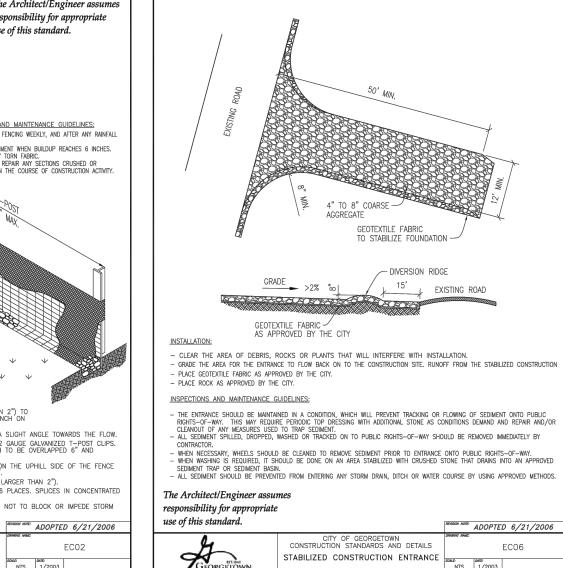
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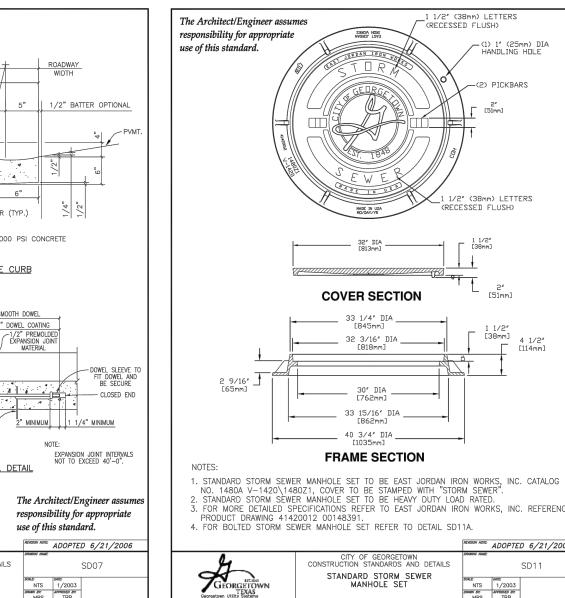
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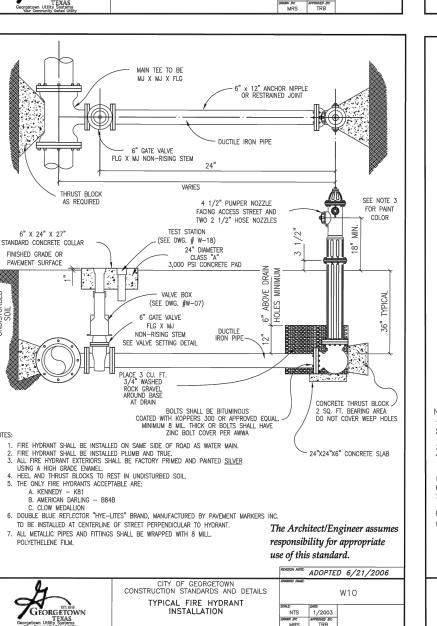
36" 30" 48"

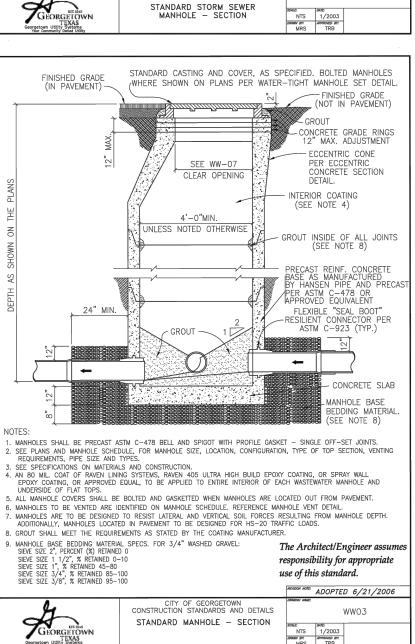
use of this standard.

EXPANSION JOINT INTERVA NOT TO EXCEED 40'-0".









GEOTEXTILE CORE

SECTION A-A

INSPECTION AND MAINTENANCE GUIDELINES:

responsibility for appropriate

use of this standard.

EC06

- LOCATE THE SEDIMENT TRAP SO AS TO DISTURB AS FEW TREES AS POSSIBLE

- PLACE THE EMBANKMENT MATERIAL IN 8 TO 12 INCH LIFTS AND MACHINE COMPACT.

CLEAR AND GRUB THE AREA UNDER THE EMBANKMENT OF ALL VEGETATION AND ROOT MATS.
 LAYOUT THE WIRE MESH AND THEN THE GEOTEXTILE FABRIC.
 CONSTRUCT THE GEOTEXTILE CORE AND CORRESPONDING ROCK EMBANKMENT TO THE DESIGNATED HEIGHT AND CONFIGURATION

WRAP THE STRUCTURE WITH THE PREVIOUSLY PLACED WIRE MESH SECURE ENOUGH SO THAT WHEN WALKED ACROSS THE STRUCTURE RETAINS IT'S SHAPE. SECURE WITH THE WIRE.

- INSPECTION SHOULD BE MADE WEEKLY AND AFTER EACH RAINFALL. CHECK THE EMBANKMENT, SPILLWAYS, AND OUTLET FOR EROSION DAMAGE AND INSPECT THE EMBANKMENT FOR PIPING AND SETTLEMENT. REPAIR SHOULD BE MADE PROMPTLY AS NEEDED BY THE

CUNINACION.

TRASH AND OTHER DEBRIS SHOULD BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO HALF OF THE DESIGN DEPTH OF THE TRAP.

SEDIMENT REMOVED FROM THE TRAP SHOULD BE DEPOSITED IN AN APPROVED SPOILS AREA AND IN SUCH A MANNER THAT IT WILL NOT CAUSE ADDITIONAL SILTATION.

CITY OF GEORGETOWN
CONSTRUCTION STANDARDS AND DETAILS

SEDIMENT TRAP DETAIL

JNLESS NOTED OTHERWISE

MANHOLES SHALL BE PRECAST ASTM C-478 BELL AND SPIGOT WITH PROFILE GASKET - SINGLE OFF-SET JOINTS.

ALL MANHOLE COVERS SHALL BE BOLTED AND GASKETTED WHEN MANHOLES ARE LOCATED OUT FROM PAVEMENT.

MANHOLES TO BE VENTED ARE IDENTIFIED ON MANHOLE SCHEDULE. REFERENCE MANHOLE VENT DETAIL.

GROUT SHALL MEET THE REQUIREMENTS AS STATED BY THE COATING MANUFACTURER.

CONSTRUCTION STANDARDS AND DETAILS

OPEN GRADED RO

REMISION MOTE: ADOPTED 6/21/2006

(SEE NOTE 4)

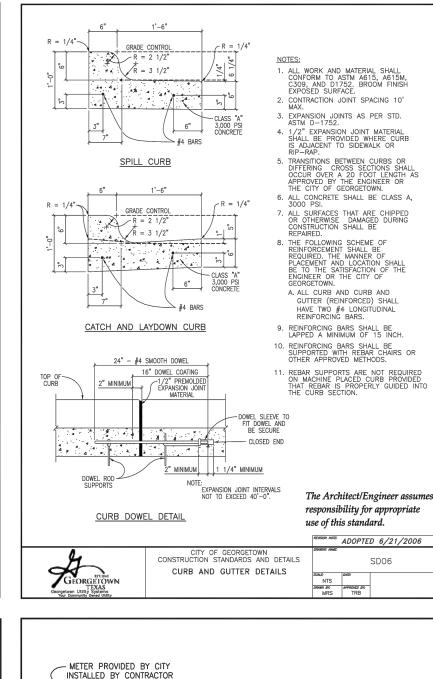
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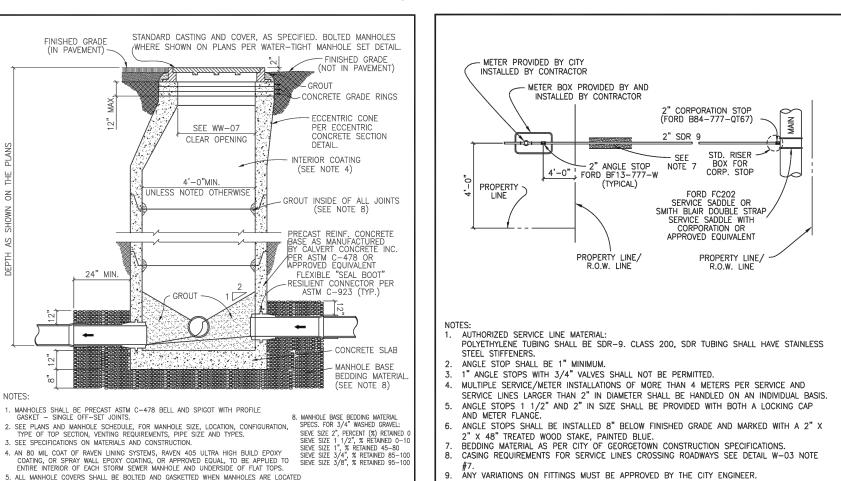
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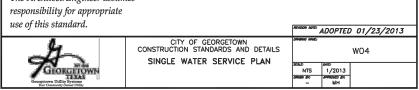
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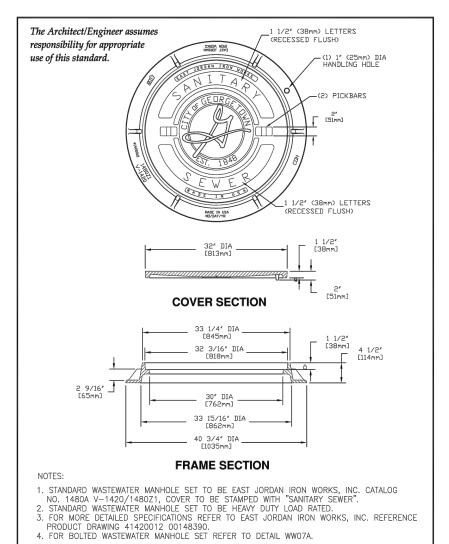
SECTION B-B





ANGLE STOPS 1 1/2" AND 2" IN SIZE SHALL BE PROVIDED WITH BOTH A LOCKING CAP ANCLE STOPS SHALL BE INSTALLED 8" BELOW FINISHED GRADE AND MARKED WITH A 2" X 2" X 48" TREATED WOOD STAKE, PAINTED BLUE.
BEDDING MATERIAL AS PER CITY OF GEORGETOWN CONSTRUCTION SPECIFICATIONS. CASING REQUIREMENTS FOR SERVICE LINES CROSSING ROADWAYS SEE DETAIL W-03 NOTE NY VARIATIONS ON FITTINGS MUST BE APPROVED BY THE CITY ENGINEER. 10. ALL SERVICE LINES SHALL BE PLACED 90° PERPENDICULAR TO THE ROADWAY





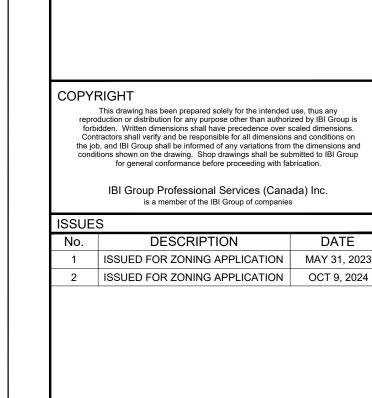
CITY OF GEORGETOWN CONSTRUCTION STANDARDS AND DETAILS

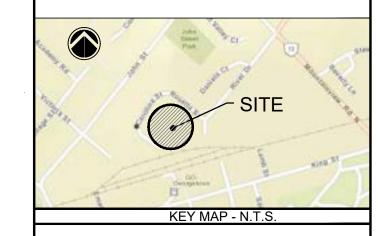
STANDARD WASTEWATER

BENCHMARK INFORMATION

SCALE: 1:300

LEVATION: 109.925 metres CGVD-1928:197





1 ROSETTA STREET

(HALTON HILLS) GP Ltd.

MAY 31, 202

LEGEND

IST OF DRAWINGS SG-01 - SITE GRADING EXHIBIT SS-01 - SITE SERVICING EXHIBIT

**BECHMARK** ELEVATIONS SHOWN ON THIS PLAN ARE RELATED TO GEODETIC DATUM AND ARE DERIVED FROM THE MINISTRY OF TRANSPORTATION BENCH MARKS: No. 0011954U598F ELEVATION=258.735m No. 00819668361 ELEVATION=252.480m



360 James Street North - Suite 200 Hamilton ON L8L 1H5 Canada tel 905 546 1010 www.arcadis.com

PROJECT

THE PAPER MILL, 1 ROSETTA STREET, GEORGETOWN 1 ROSETTA STREET, GEORGETOWN TOWNSHIP OF HALTON HILLS

LIST OF DRAWINGS SG-01 - SITE GRADING EXHIBIT 125082 1:300 SS-01 - SITE SERVICING EXHIBIT DRAWN BY: CHECKED BY: K. PARK S. KAMIL PROJECT MGR: APPROVED BY: I. QNEIBI I. QNEIBI SITE PLAN INFORMATION SURVEYOR INFORMATION SHEET TITLE .D. BARNES LTD IILTON, ON

ADOPTED 6/21/2006

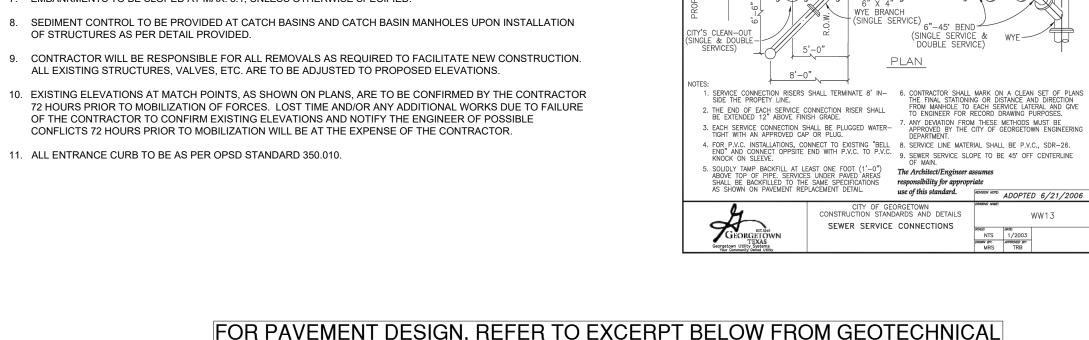
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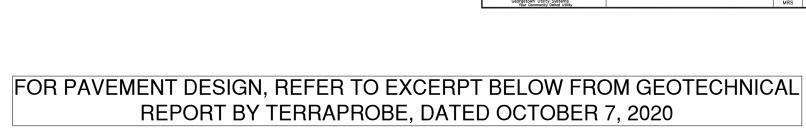
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**GENERAL NOTES AND** DETAILS EXHIBIT

SHEET NUMBER ISSUE DD-01





PAVEMENT DESIGN	
PAVEMENT STRUCTURAL LAYER	DRIVEWAY
HMA SURFACE COURSE, OPSS.MUNI 1150 HL3	40 mm
HMA BINDER COURSE, OPSS.MUNI 1150 HL8	80 mm
BASE COURSE, OPSS.MUNI 1010 GRANULAR A	150 mm
SUBBASE COURSE, OPSS.MUNI 1010 GRANULAR B TYPE II	400 mm
TOTAL THICKNESS	670 mm

