# LOT 12 ANDERSON BLVD, TOWNSHIP OF UXBRIDGE

DRAWING LIST

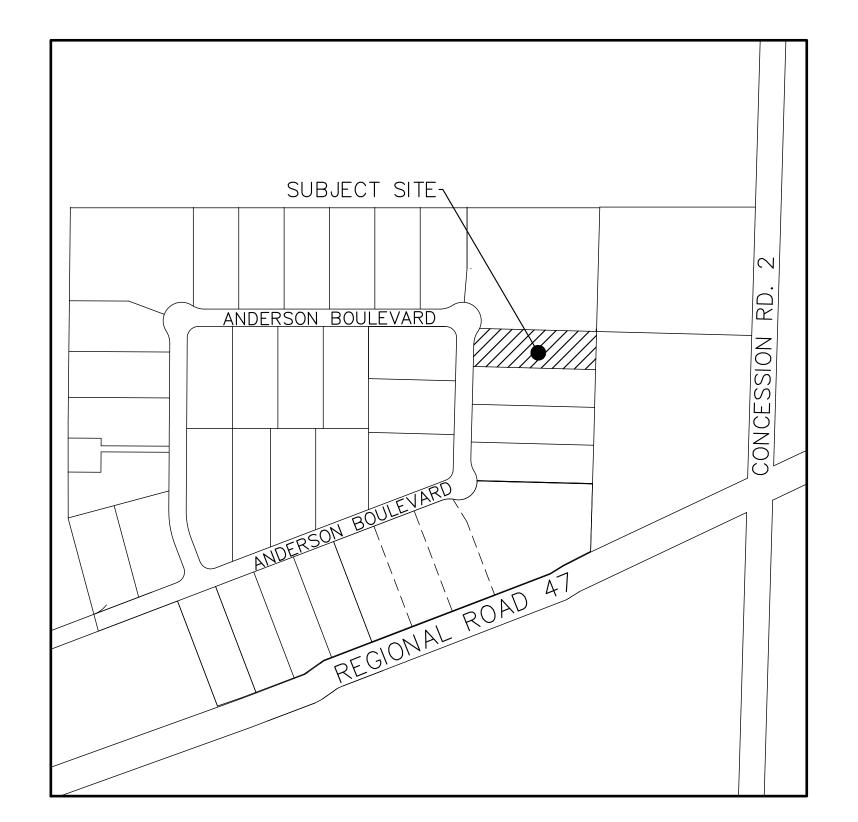
ND-1 NOTES AND DETAILS

SP-1 SITE PLAN

SGS-1 SITE SERVICING AND GRADING PLAN

STM-1 PRE-DEVELOPMENT STORM CATCHMENT PLAN STM-2 POST-DEVELOPMENT STORM CATCHMENT PLAN

EP-1 EROSION AND SEDIMENT CONTROL PLAN



TOWNSHIP OF UXBRIDGE 51 TORONTO STREET SOUTH UXBRIDGE, ON L9P 1T1



## **GENERAL NOTES**

- THE NOTES ON THIS SHEET APPLY TO ALL WORKS UNDER THIS CONTRACT UNLESS OTHERWISE NOTES ON THE PLAN AND PROFILE DRAWINGS AND/OR SPECIFIC DETAIL DRAWINGS.
- 1.2 THE STANDARD DRAWINGS OF THE TOWNSHIP OF UXBRIDGE, UXBRIDGE HYDRO DISTRIBUTION, ONTARIO PROVINCIAL STANDARDS AND SPECIFICATIONS (OPSS) AND THE ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD) CONSTITUTE PART OF THE PLANS OF
- 1.3 ORDER OF PRECEDENCE OF STANDARD DRAWINGS IS FIRSTLY TOWNSHIP OF UXBRIDGE AND SECONDLY ONTARIO PROVINCIAL STANDARD DRAWINGS.
- 1.4 THE STANDARD DRAWINGS INCLUDED WITH THESE PLANS ARE PROVIDED FOR CONVENIENCE ONLY AND ARE NOT TO BE CONSTRUED TO BE A COMPLETE SET FOR THE PURPOSE OF THE CONTRACT, IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL RELEVANT STANDARD DRAWINGS AND SPECIFICATIONS AS REQUIRED FOR THIS CONTRACT.

### 2. MEASUREMENTS

- 2.1 ALL DIMENSIONS ARE IN METRES (m), EXCEPT PIPE DIAMETERS, WHICH ARE IN MILLIMETRES (mm), UNLESS SPECIFIED OTHERWISE.
- 2.2 ALL DIMENSIONS SHALL BE CHECKED AND VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION AND ANY DISCREPANCIES SHALL BE REPORTED IMMEDIATELY TO THE ENGINEER.

# 3. GENERAL

- 3.1 EXISTING SERVICES AND UTILITIES SHOWN ON THE CONTRACT DRAWINGS ARE BASED ON THE BEST INFORMATION AVAILABLE AND THEIR LOCATIONS ARE NOT GUARANTEED. THE CONTRACTOR SHALL INTERPRET THIS INFORMATION AS HE WISHES WITH THE UNDERSTANDING THAT THE OWNER DISCLAIMS ALL RESPONSIBILITY FOR ITS ACCURACY AND/OR SUFFICIENCY. THE CONTRACTOR IS REQUIRED TO NOTIFY THE VARIOUS UTILITY COMPANIES 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY WORK.
- 3.2 A ROAD OCCUPANCY PERMIT IS REQUIRED FROM THE PUBLIC WORKS DEPARTMENT 72 HOURS PRIOR TO THE COMMENCEMENT OF WORK WITHIN ANY CITY RIGHT-OF-WAY. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR APPROVAL BY THE ENGINEER AND THE TOWNSHIP OF UXBRIDGE
- 3.3 PRIOR TO COMMENCING ANY WORK, INSTALL SNOW FENCING ALONG THE DRIP LINE OF THE DESIGNATED TREES AS SHOWN ON THE DRAWINGS. REFERENCE SHOULD ALSO BE MADE TO THE TREE PRESERVATION REQUIREMENTS AS SHOWN ON THE LANDSCAPE ARCHITECT'S PLAN. MAINTAIN THE FENCE AT ALL TIMES TO ENSURE THAT ACCESS TO THE AREA BENEATH THE TREES IS PREVENTED. STORAGE OF EQUIPMENT AND SUPPLIES SHALL NOT BE PERMITTED WITHIN THIS AREA.
- 3.4 ALL SILT CONTROL AND EROSION PROTECTION DEVICES ARE TO BE IN PLACE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL CONSTRUCTION IS COMPLETE AND THE GRASS HAS ESTABLISHED GROWTH, SUBJECT TO APPROVAL BY THE TOWNSHIP'S DIRECTOR OF
- 3.5 NATIVE MATERIAL, SUITABLE FOR BACKFILL, SHALL BE COMPACTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY.
- 3.6 GRANULAR MATERIAL, USED FOR BACKFILL, SHALL BE PLACED IN LAYERS 150mm IN DEPTH MAXIMUM AND COMPACTED TO 100% STANDARD PROCTOR MAXIMUM DRY DENSITY.
- 3.7 UTILITY CROSSINGS, WHERE REQUIRED, SHALL BE SUPPORTED AS PER THE APPLICABLE UTILITY COMPANY CONCERNED.
- 3.8 THE CONTRACTOR IS RESPONSIBLE (IF REQUIRED) FOR SUPPORTING ANY EXISTING UTILITIES AND/OR STRUCTURES IN ACCORDANCE WITH THE SPECIFICATIONS OF THE UTILITY COMPANY CONCERNED.
- 3.9 ALL DISTURBED AREAS ARE TO BE REINSTATED TO THEIR ORIGINAL CONDITION OR BETTER, AS DETERMINED BY THE CITY PUBLIC WORKS DEPARTMENT. ALL GRASS AND VEGETATION COVERED AREAS SHALL BE RESTORED BY PLACING 100mm OF SCREENED TOPSOIL AND No.1 NURSERY SOD UNLESS NOTED OTHERWISE.
- 3.10 WRITTEN PERMISSION SHALL BE OBTAINED BY THE DEVELOPER FROM THE OWNERS OF THE LANDS EXTERNAL TO THE SUBJECT PROPERTY PRIOR TO UNDERTAKING ANY WORK ON THEIR PROPERTY. THE WORK TO BE UNDERTAKEN ON THESE LANDS INCLUDES TREE REMOVAL AND CONSTRUCTING SERVICED ROADWAYS. GRADING AS REQUIRED TO MATCH EXISTING GROUND INTO THE PROPOSED STREET LINE ELEVATIONS SHALL BE DONE AT A MAXIMUM SLOPE OF 3:1. FURTHERMORE, ALL DISTURBED AREAS WITHIN THE ADJACENT LANDS SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER.
- 3.11 ALL GRADING MUST CONFORM TO THE TOWNSHIP OF UXBRIDGE LOT GRADING POLICIES CURRENTLY IN EFFECT.
- 3.12 ALL REMOVALS ARE TO BE CARRIED OUT IN ACCORDANCE WITH OPSS 510.
- 3.13 DEWATERING TO BE CARRIED OUT IN ACCORDANCE WITH OPSS 517 AND 518 TO MAINTAIN ALL TRENCHES IN A DRY CONDITION. ALL ENGINE DRIVEN PUMPS ARE TO BY ADEQUATELY SILENCED FOR OPERATION IN RESIDENTIAL AREAS.

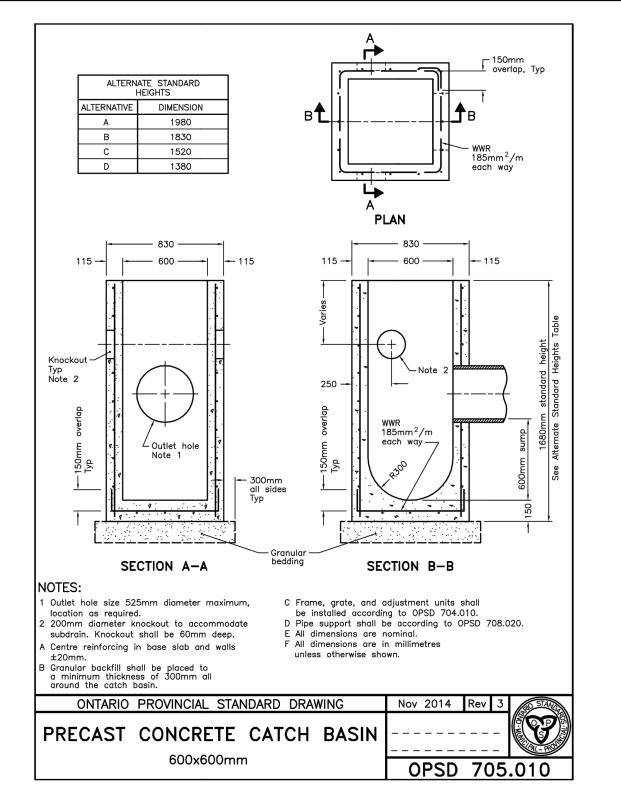
- 50mm HL-4

- 4.1 THE ROAD PAVEMENT STRUCTURE SHALL CONSIST OF THE FOLLOWING REPORT BASED THE MARCH 25, 2021 SUPPLEMENTARY ROADWAY RECOMMENDATIONS BY WPS CONSULTING
- STANDARD PAVEMENT (CARS)
- ENHANCED PAVEMENT (TRUCKS)
- 40mm HL-4
- 150mm GRANULAR "A" - 300mm GRANULAR "B"
- 50mm HL-8 - 150mm GRANULAR "A" - 450mm GRANULAR "B"

- 4.2 NATIVE SUBGRADE SHALL HAVE A CROSSFALL OF 3%.
- 4.3 NATIVE SUBGRADE TO BE COMPACTED TO MINIMUM 95% STANDARD PROCTOR MAXIMUM DRY DENSITY AND SHALL BE PROOF ROLLED AND APPROVED BY THE SOILS CONSULTANT PRIOR TO INSTALLATION OF GRANULAR. ALL GRANULAR MATERIAL SHALL BE COMPACTED TO 100% STANDARD PROCTOR MAXIMUM DRY DENSITY.
- 4.5 JOINTS WITH EXISTING ASPHALT TO BE SAW CUT STRAIGHT AS DIRECTED BY THE ENGINEER PRIOR TO PLACEMENT OF NEW ASPHALT.
- 4.6 ALL CURB AND GUTTER SHALL BE CONSTRUCTED AS PER THE ENGINEERING DRAWINGS AS FOLLOWS: - SINGLE STAGE CURB AS PER OPSD 600.040 FOR COLLECTOR AND ARTERIAL ROADS AND MOUNTABLE CURB WITH NARROW GUTTER AS PER 600.100 FOR LOCAL ROADS. - CURB TERMINATIONS AS PER OPSD 608.010
- 4.7 ALL CURBS SHALL BE DEPRESSED AT ALL WALKWAY, DRIVEWAY AND SIDEWALK LOCATIONS.
- 4.8 ALL CURB RADII TO BE 9.0m AT THE EDGE OF ASPHALT, UNLESS SHOWN OTHERWISE.
- 4.9 CONCRETE STRENGTH FOR CURB AND GUTTER TO BE 35MPa AT 28
- 4.10 TEMPORAY ASPHALT CURB SHALL BE PLACE BEHIND ALL CB'S DURING BASE COURSE PLACEMENT. ASPHALT CURBS SHALL BE REPLACED WITH CONCRETE CURBS FOR THE FINAL ASPAHLT LIFT.
- 4.11 SIDEWALKS TO COMPLY WITH OPSD 310.010 AND ARE TO BE 1.5m WIDE. MINIMUM THICKNESS AS FOLLOWS: RESIDENTIAL DRIVEWAY, 150mm
- COMMERCIAL DRIVEWAY, 200mm (REINFORCEMENT AS PER OPSS IF REQUIRED) - WHEN NO DRIVEWAY IS PRESENT, 125mm
- 4.11 SIDEWALKS TO BE CONSTRUCTED ON 150mm GRANULAR "A" BEDDING UNLESS OTHERWISE SPECIFIED BY THE DIRECTOR OF PUBLIC
- 4.12 CONCRETE STRENGTH FOR SIDEWALK TO BE 35MPa AT 28 DAYS.
- 4.13 SIDEWALK RAMPS TO COMPLY WITH OPSD 310.030. 4.14 DRIVEWAYS TO BE CONSTRUCTED WITH A MINIMUM OF 50mm HL3 ASPHALT ON A MINIMUM OF 300mm GRANULAR 'A' FOR RESIDENTIAL OR ALTERNATIVE EQUIVALENT MATERIAL AS APPROVED BY THE
- 4.15 DRIVEWAY GRADES TO BE A MINIMUM OF 0.5% AND A MAXIMUM OF 7.0%. DRIVEWAY WIDTH TO BE: RESIDENTIAL SINGLE - 3.0m DOUBLE - 6.0m

DIRECTOR OF PUBLIC WORKS.

ENTRANCE DETAILS AS PER OPSD 351.010 AND PAVED TO STREETLINE.



CDS PMSU2015-4-C DESIGN NOTES

SITE SPECIFIC

DATA REQUIREMENTS

TER QUALITY FLOW RATE (CFS OR L/s)

REEN APERTURE (2400 OR 4700)

EAK FLOW RATE (CFS OR L/s)

ANTI-FLOTATION BALLAST

OTES/SPECIAL REQUIREMENTS

PER ENGINEER OF RECORD

CDS PMSU2015-4-C INLINE CDS

STANDARD DETAIL

THE STANDARD CDS PMSU2015-4-C CONFIGURATION IS SHOWN. ALTERNATE CONFIGURATIONS ARE AVAILABLE AND ARE LISTED BELOW. SOME CONFIGURATIONS MAY BE COMBINED TO SUIT SITE REQUIREMENTS.

DIMENSIONS MARKED WITH () ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
 FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED

INSTALLATION NOTES
A. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE

CONTRACTOR TO ADD JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS. AND ASSEMBLE STRUCTURE.

SPECIFIED BY ENGINEER OF RECORD.

B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE STRUCTURE

CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN.

CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

3. FOR PABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTROL TOOK SOFTEST, EDITED
SOLUTIONS LLC REPRESENTATIVE. www.contechES.com
4. CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
5. STRUCTURE SHALL MEET AASHTO HS20 AND CASTINGS SHALL MEET HS20 (AASHTO M 306) LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION.
6. PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING

CONFIGURATION DESCRIPTION

ATED INLET WITH INLET PIPE OR PIPE

GRATED INLET ONLY (NO INLET PIPE)

CURB INLET WITH INLET PIPE OR PIPE

JSTOMIZABLE SUMP DEPTH AVAILABL

1-FLOTATION DESIGN AVAILABLE UPON REQU

CONTECH'

FRAME AND COVER

N.T.S.

3ENERAL NOTES

1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE

ACTION OF THE PROPERTY OF THE PROPE

**C**SNTECH

www.contechES.com Centre Pointe Dr., Suite 400, West Chester, OH 4506

CENTER OF CDS STRUCTURE, SCREEN AND

SUMP OPENING

FLOW

**PLAN VIEW B-B** 

1'-9" [533] -

**ELEVATION A-A** 

**CDS**.

TOP SLAB ACCESS

OUTLET PIPE

PERMANENT POOL

(SEE FRAME AND COVER

CYLINDER AND INLE

PVC HYDRAULIC SHEAR PLATE

FIBERGLASS SEPARATION

OIL BAFFLE SKIRT -

SCREEN

SHEAR PLATE

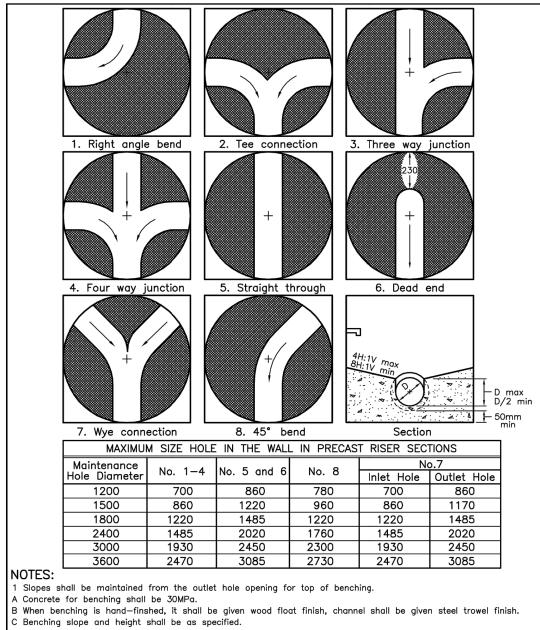
SOLIDS STORAGE SUMP -

DATE

REVISION NOTE

INLET PIPE (MULTIPLE INLET PIPES –

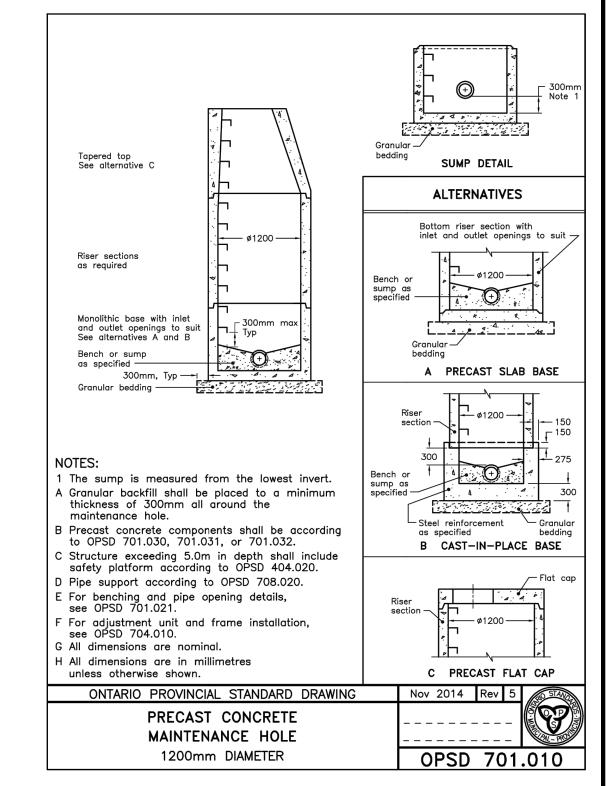
MAY BE ACCOMMODATED

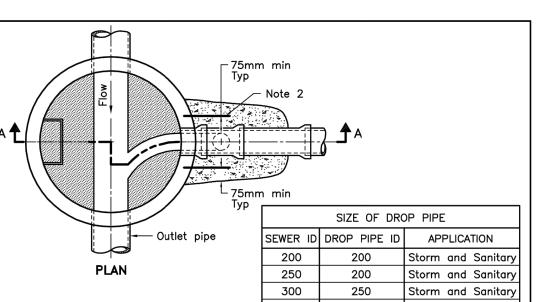


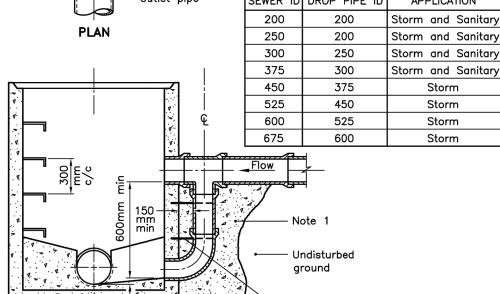
D When specified, maintenance holes that are 1200mm in diameter with a uniform channel for 200 or 250mm pip may be prebenched at the manufacturer with standardized benching slope and channel orientation. E All dimensions are nominal.

ONTARIO PROVINCIAL STANDARD DRAWING MAINTENANCE HOLE BENCHING

Nov 2014 Rev 4 AND PIPE OPENING ALTERNATIVES OPSD 701.021







└ 50mm min SECTION A-A NOTES:

MAINTENANCE HOLE DROP STRUCTURE TEE

maintenance hole, but there shall be a minimum of 150mm of 15MPa concrete around the drop pipe. 2 Concrete shall be secured to the maintenance hole with 450mm long, 13mm diameter threaded rods and drilled expansion anchors down either side of the drop pipe at 300mm centres.

1 Concrete shall be placed to undisturbed ground and the outside face of the

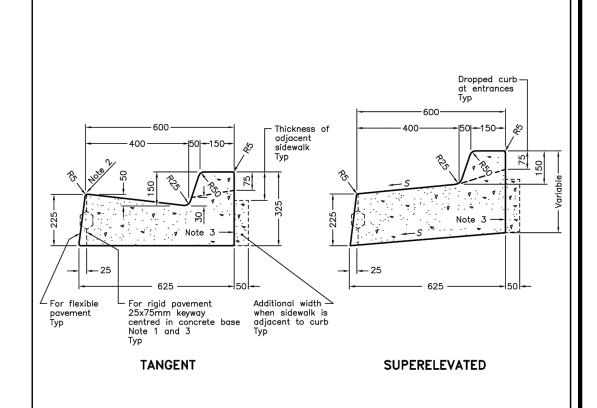
A All dimensions are in millimetres unless otherwise shown ONTARIO PROVINCIAL STANDARD DRAWING CAST-IN-PLACE

Nov 2016 Rev 3 OPSD 1003.010

Storm

Storm

Storm



S — Rate of pavement superelevation in percent, %.

When curb and gutter is adjacent to concrete pavement or base, this drawing shall be used in conjunction with OPSD 552.010 and 552.020.

2 Flexible and composite pavement shall be placed 5mm above the adjacent edge of gutter.

3 For slipforming procedure a 5% batter is acceptable.

A Treatment at entrances shall be according to OPSD 351.010. B Outlet treatment shall be according to the OPSD 610 Series.

C The transition from one curb type to another shall be a minimum length of 3.0m, except in conjunction with guide rail where it shall be according to the OPSD 900 Series. D All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING

CONCRETE BARRIER CURB WITH WIDE GUTTER

Nov 2012 Rev 2 OPSD 600.010

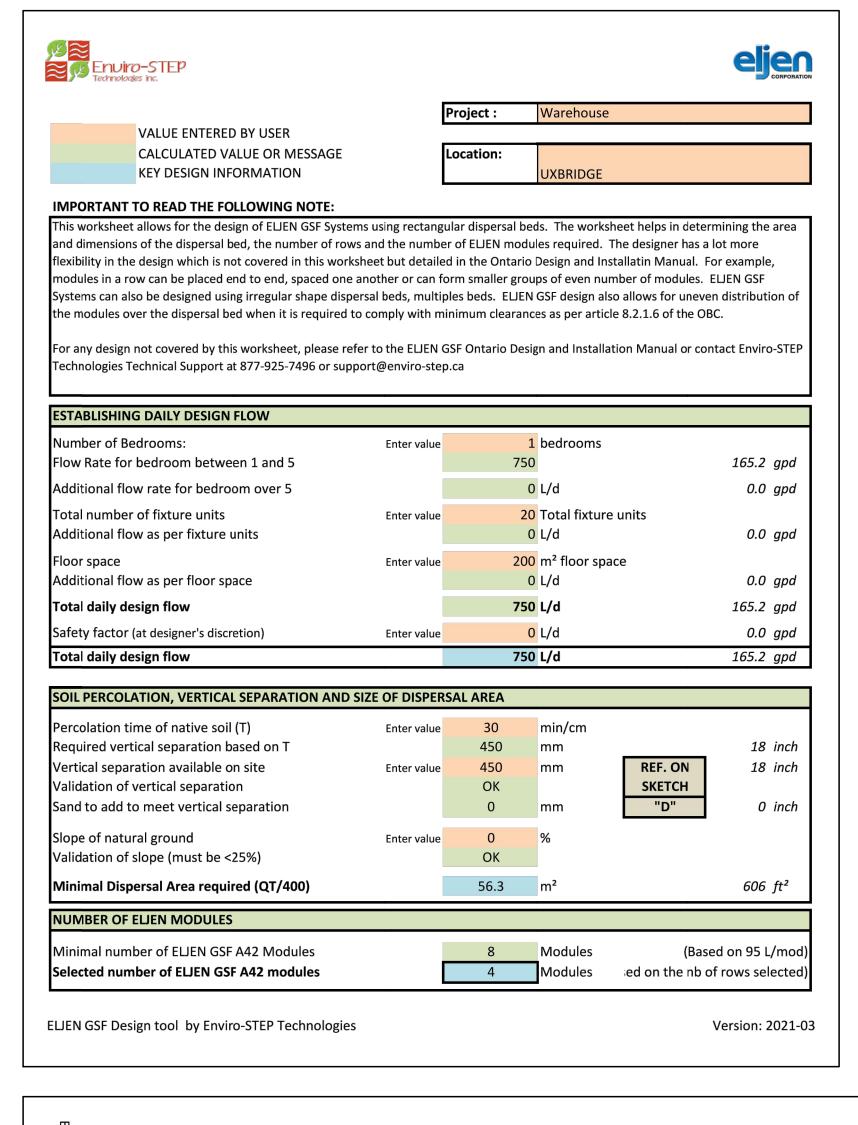
KENNEDY <u>BENCHMARK</u>

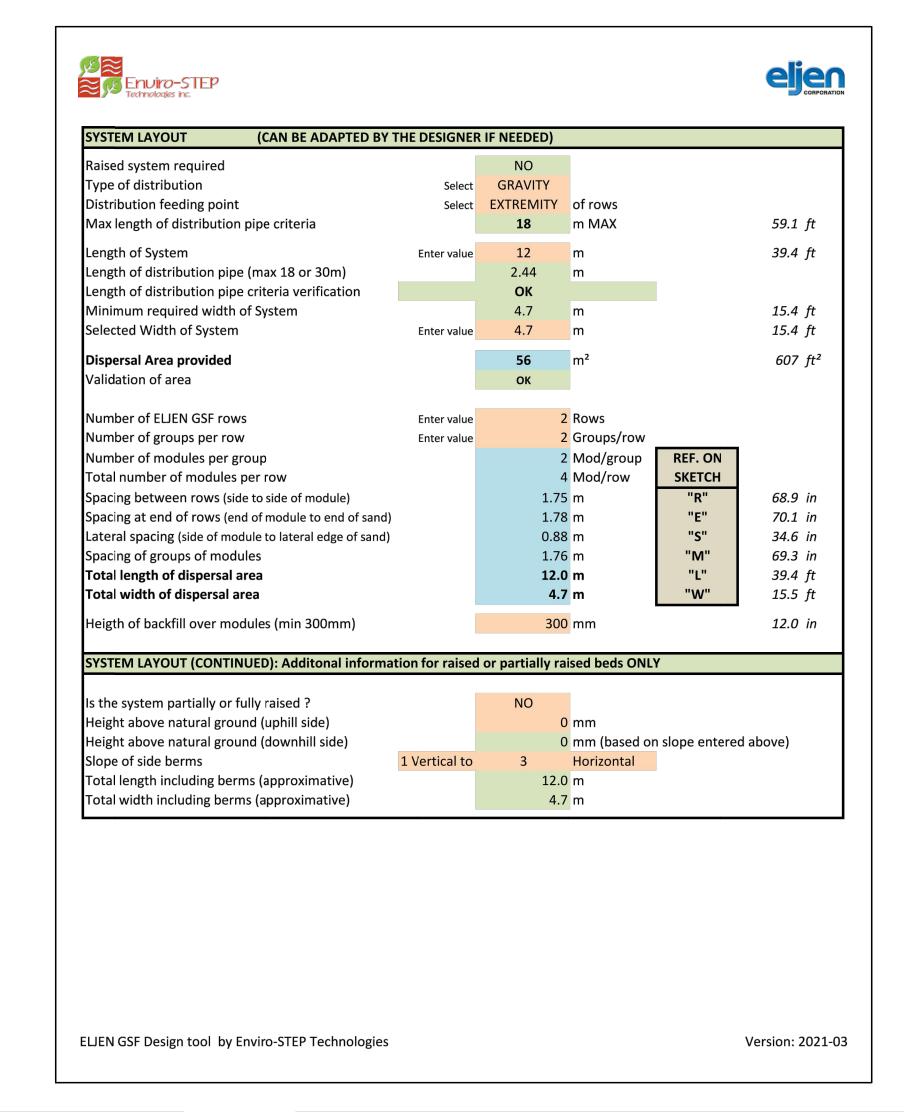
ENGINEERING

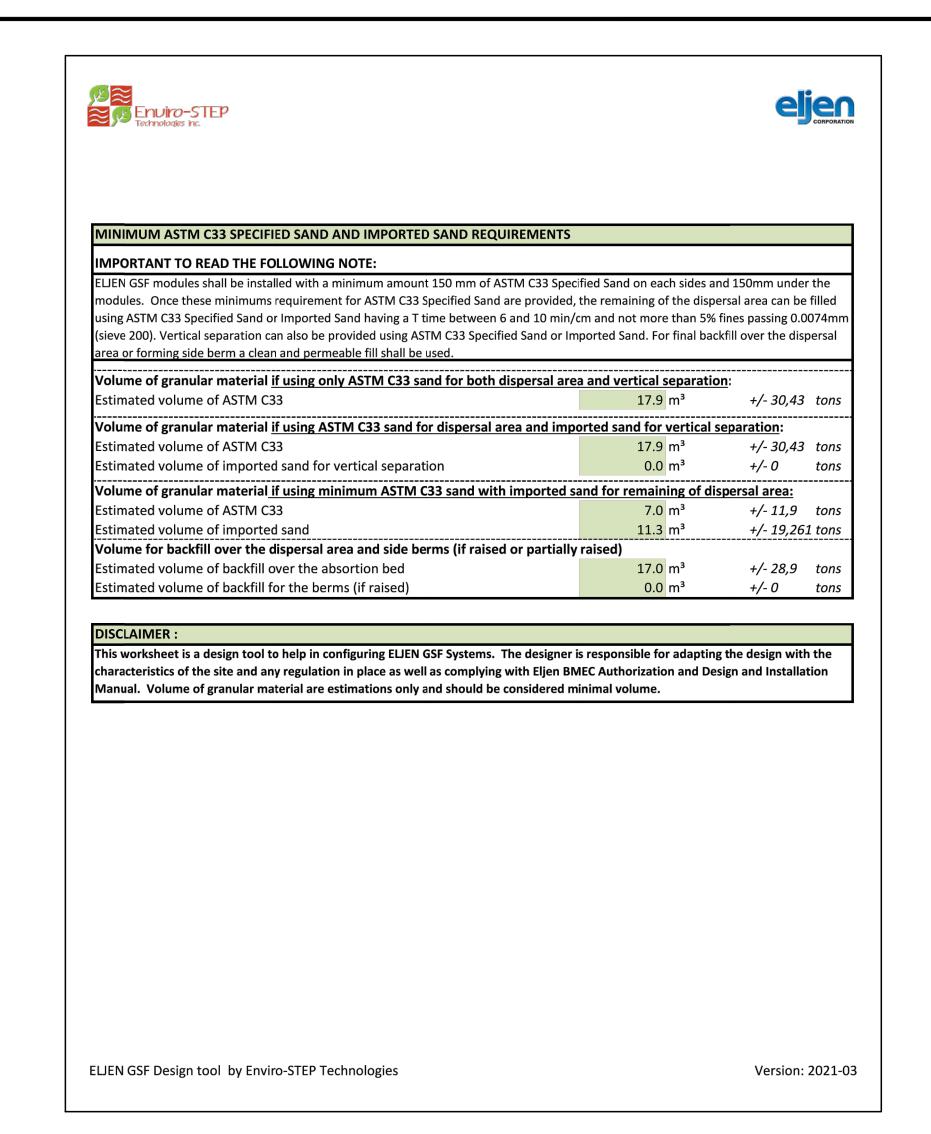
PEARSONENG.COM PH. 705.719.4785 DESIGNED BY 22017 NW/MWD DRAWN BY DRAWING # APRIL 2022 REVISION # CHECKED BY MWD

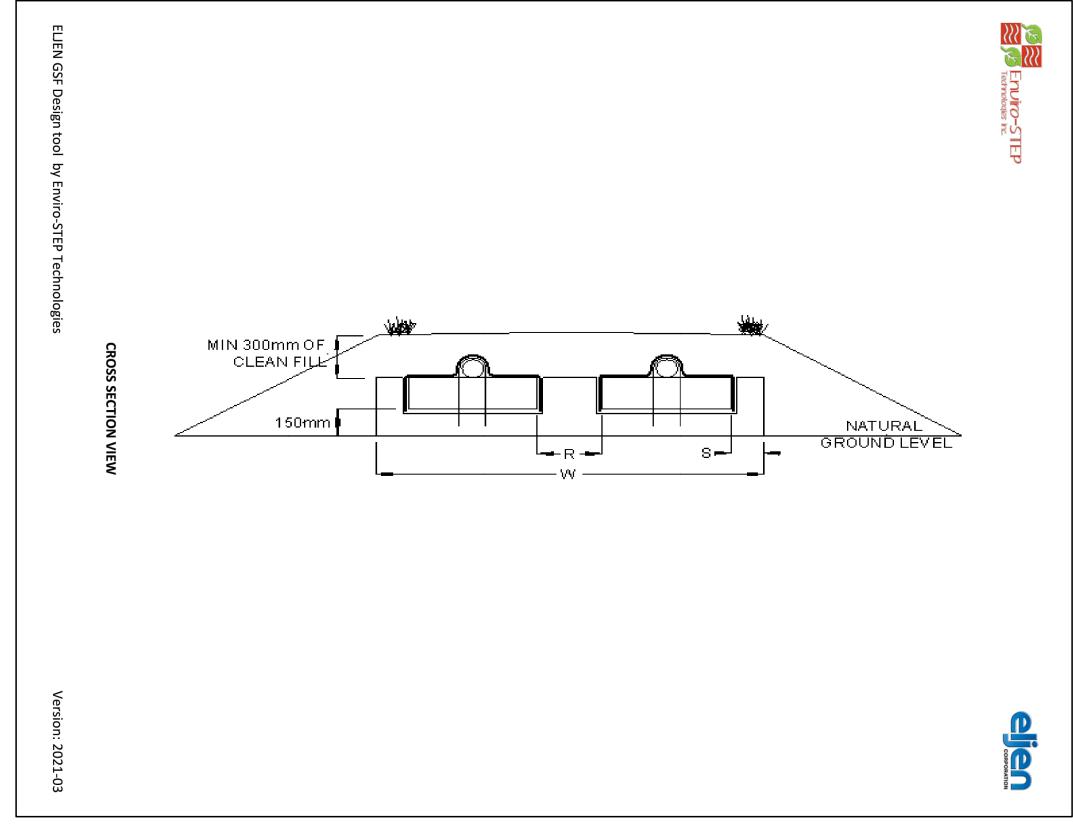
LOT 12 ANDERSON BLVD. **UXBRIDGE TOWNSHIP** 

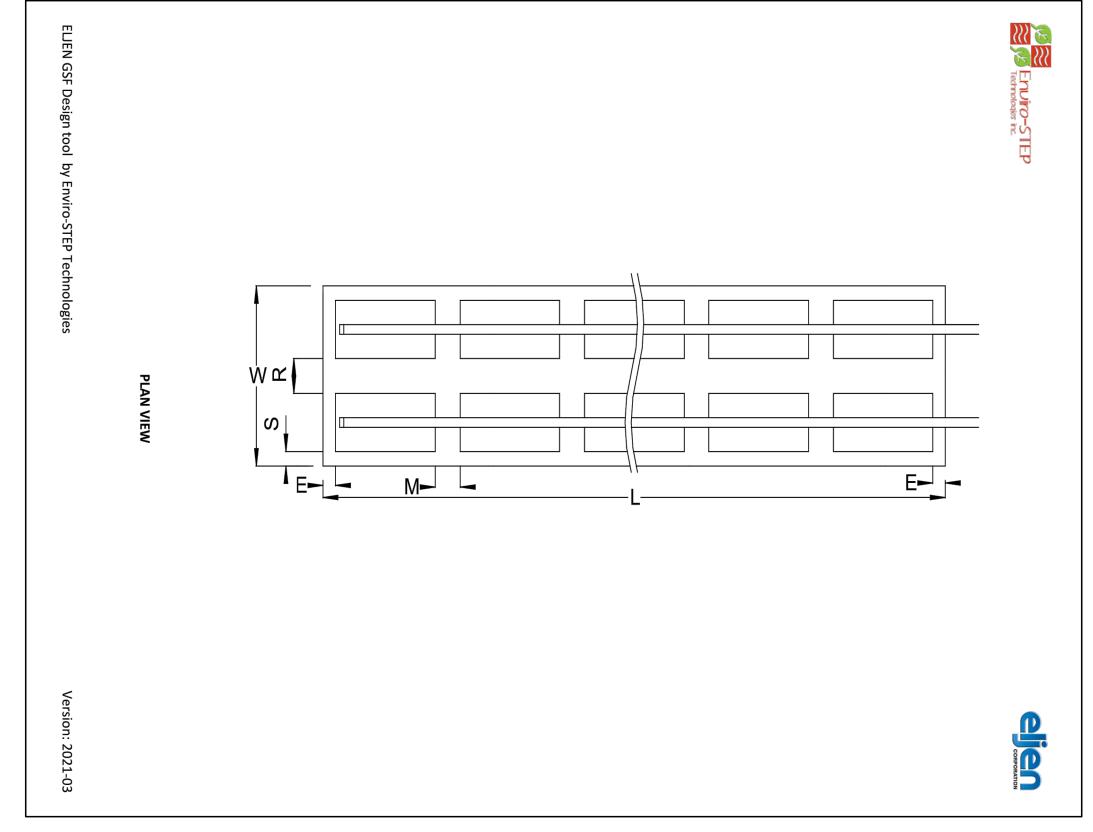
NOTES AND DETAILS











KENNEDY LOT 12 ANDERSON BLVD. UXBRIDGE TOWNSHIP

DESIGNED BY

DRAWN BY APRIL 2022 REVISION # CHECKED BY

<u>BENCHMARK</u> REVISION NOTE DATE BY

NOTES AND DETAILS

