CAD OPERATOR:Hohan

CAD FILE: P:\Kingston Project\5000 – Municipal\24554-5416 – Ivy Lea Parking\Drawings\24-5-5416 – Ivy Lea V Ditch 0% – 21.06.24.dwg

PLOT SCALE: AS NOTED

DATE PLOTTED: DD/MM/YYYY

GGD-A1

GENERAL

1. All works to be installed in accordance with current Township of Leeds and the Thousand Islands Guidelines, Ontario Building Code and, Ontario Provincial Standard Specifications and Drawings unless specified otherwise.
2. Prior to construction, Contractor to verify all dimensions, sewer inverts and utility locates and identify possible conflicts.
3. All environmental protection measures are the responsibility of the contractor.
4. Any traffic signs or information signs removed/damaged during construction are to be replaced at the contractors costs.
5. All utility poles to be braced as necessary.
6. The location of utilities is approximate only, and the exact location should be determined by consulting the municipal authorities and utility companies concerned. The contractor shall prove the location of utilities and shall be responsible for adequate protection from damage during construction.

TRAFFIC CONTROL

1. All traffic control/pedestrian signing as per OTM.

GRADING

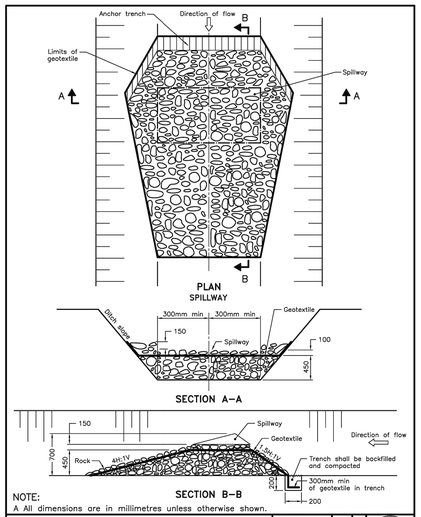
1. Finished surfaces shall be at a minimum grade of 2% unless otherwise noted.
2. Slopes in landscaped areas shall not exceed 3:1.
3. All existing elevations and grades are to be verified by the contractor prior to grading
4. Utilities are to be located prior to construction
5. All ground surfaces shall be graded to prevent ponding and without low areas except where approved swale or catchbasin outlets are provided.
6. The contractor is responsible for reviewing proposed grades with conflicts regarding the proposed structures.
7. Sub-grade shall be graded at a minimum of 3%, until a lower ditch is encountered an existing surface that has postive drainage away from the roadway.

SITE WORKS

1. Where in earth subgrade compacted granular depths to be 150 mm Granular A and 500mm Granular B. Provide 2% crossfall on subgrade.
2. All disturbed areas to be remediated with 100 mm topsoil and seed as per OPSS 802 & OPSS 804.

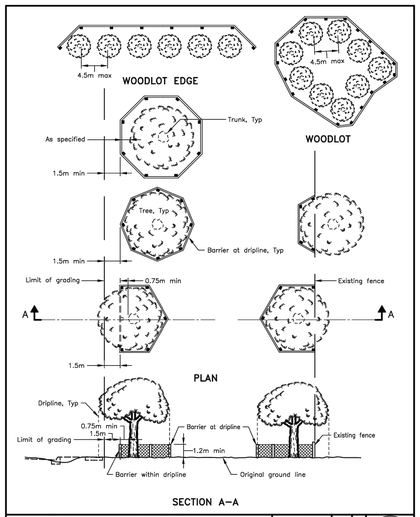
SEDIMENT AND EROSION CONTROL NOTES

1. All erosion and sediment controls shall be installed prior to construction and monitored and maintained by the Contractor throughout the construction process, until all disturbed areas have been re-vegetated then the temporary sediment and erosion control measures must be removed once the site has been stabilized/completed of site works.
2. All erosion and sediment control measures shall be inspected after prior to and after each rainfall to the satisfaction of the Contract Administrator.
3. Any disturbed areas not scheduled for further construction within forty-five (45) days will be provided with a suitable temporary mulch and seed cover within seven (7) days of completion.
4. Regardless of site specific items detailed on the plans, the Contractor shall install erosion control measures to suit the proposed work methods to control sediment from running off the site prior to any disturbance.
5. Following construction, disturbed areas, as well as proposed grassed and vegetated surfaces, shall be reinstated as soon as practical.
6. All roads used to access the site shall be kept clean to the satisfaction of the Director of Public Works.
7. No in water work from March 15, 2021 - July 15 2021.

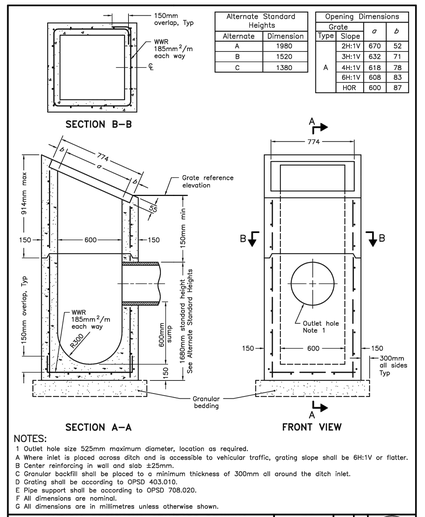


NOTE:
A All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2021	Rev 3
TEMPORARY ROCK FLOW CHECK DAM FLAT BOTTOM DITCH		OPSD 219.211

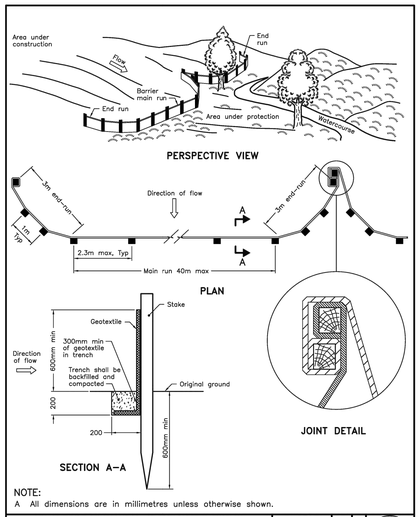


ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2019	Rev 1
BARRIER FOR TREE PROTECTION		OPSD 220.010



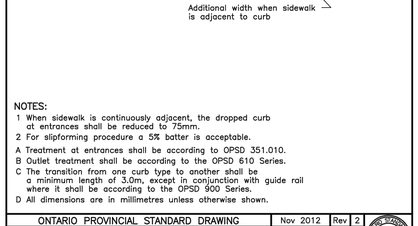
NOTES:
1 Outlet hole size 525mm maximum diameter, location as required.
A Where inlet is placed across ditch and is accessible to vehicular traffic, grating slope shall be 6H:1V or flatter.
B Center reinforcing in wall and slab ±25mm.
C Granular backfill shall be placed to a minimum thickness of 300mm all around the ditch inlet.
D Grating shall be according to OPSD 403.010.
E Pipe support shall be according to OPSD 708.020.
F All dimensions are nominal.
G All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2019	Rev 4
PRECAST CONCRETE DITCH INLET 600 x 600mm		OPSD 705.030



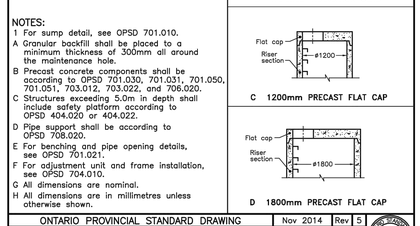
NOTE:
A All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2021	Rev 3
LIGHT–DUTY SILT FENCE BARRIER		OPSD 219.110



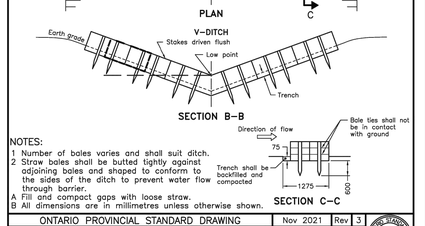
NOTES:
1 When sidewalk is continuously adjacent, the dropped curb at entrances shall be reduced to 75mm.
2 For slipforming procedure a 5% batter is acceptable.
A Treatment at entrances shall be according to OPSD 351.010.
B Outlet treatment shall be according to the OPSD 610 Series.
C The transition from 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	Nov 2012	Rev 2
CONCRETE BARRIER CURB		OPSD 600.110



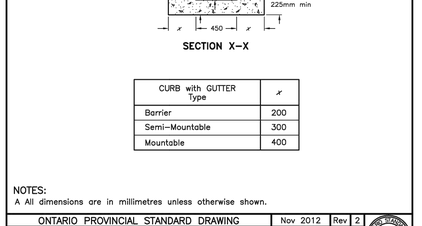
NOTES:
1 For sump detail, see OPSD 701.010.
A Granular backfill shall be placed to a minimum thickness of 300mm all around the maintenance hole.
B Precast concrete components shall be according to OPSD 701.030, 701.031, 701.050, 701.051, 703.012, 703.022, and 706.020.
C Structures exceeding 5.0m in depth shall include safety platform according to OPSD 404.020 or 404.022.
D Pipe support shall be according to OPSD 708.020.
E For benching and pipe opening details, see OPSD 701.021.
F For adjustment unit and frame installation, see OPSD 704.010.
G All dimensions are nominal.
H All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2014	Rev 5
PRECAST CONCRETE MAINTENANCE HOLE 1800mm DIAMETER		OPSD 701.012



NOTES:
1 Number of bales varies and shall suit ditch.
2 Straw bales shall be butted tightly against adjoining bales and shaped to conform to the sides of the ditch to prevent water flow through barrier.
A Fill and compact gaps with loose straw.
B All dimensions are in millimetres unless otherwise shown.

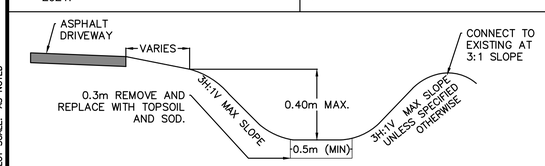
ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2021	Rev 3
STRAW BALE FLOW CHECK DAM		OPSD 219.180



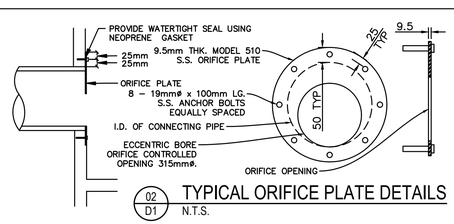
CURB with GUTTER Type	x
Barrier	200
Semi–Mountable	300
Mountable	400

NOTES:
A All dimensions are in millimetres unless otherwise shown.

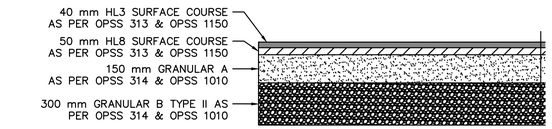
ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2012	Rev 2
45° CONCRETE OUTLET FOR CONCRETE CURB WITH GUTTER AT END OF RUN		OPSD 605.030



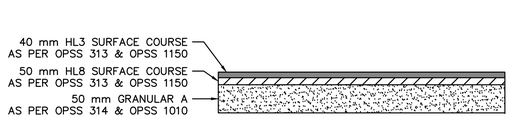
01 D1 ENHANCED GRASS SWALE DETAIL
N.T.S



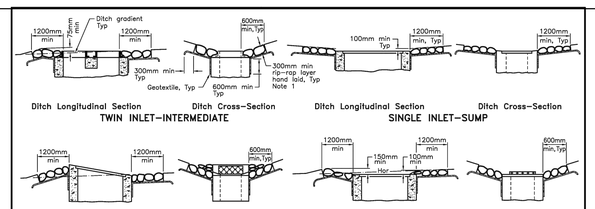
02 D1 TYPICAL ORIFICE PLATE DETAILS
N.T.S.



03 D1 EXAMPLE PROPOSED PARKING LOT CONSTRUCTION DETAIL
SCALE: N.T.S.



04 D1 EXAMPLE PROPOSED PARKING LOT CONSTRUCTION DETAIL
SCALE: N.T.S.



NOTES:
1 The thickness of the rip–rap layer shall be at least 1.5 times the rip–rap mean diameter.
A All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2018	Rev 3
GENERAL RIP–RAP LAYOUT FOR DITCH INLETS		OPSD 810.020

(METRIC SCALE – ALL DIMS IN METERS UNLESS OTHERWISE SPECIFIED)

THE GREER GALLOWAY GROUP INC.
CONSULTING ENGINEERS
PETERBOROUGH
BELLEVILLE
KINGSTON
640 CATARAQUI WOODS DRIVE #2A
KINGSTON, ONTARIO, K7P 2Y5
PHONE: 613–536–5420
FAX: 613–548–3793

NOTES:
1. ALL WORK SHALL BE IN ACCORDANCE WITH RELEVANT CODES AND GUIDELINES.
2. ALL DRAWINGS AND ADDENDA ARE TO BE READ AS, AND IN CONJUNCTION WITH THE SPECIFICATIONS.
3. ALL EQUIPMENT SHALL BE INSTALLED AS SPECIFIED OR APPROVED EQUIVALENT.
4. CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH WORK AND BE RESPONSIBLE FOR SAME.
5. CONTRACTOR MUST REPORT ANY DISCREPANCIES TO ENGINEER FOR RESOLUTION BEFORE COMMENCING THE WORK.
6. ANY CHANGES MUST BE APPROVED BY THE ENGINEER.

A / B A DETAIL NO.
B DRAWING NO. – WHERE DETAILED

LEGEND

NORTH

STAMP

APR. 21/21

PROJECT
BOAT LAUNCH
PARKING LOT
IVY LEA ROAD
IVY LEA, K0E 1L0

LEEDS AND THE THOUSAND ISLANDS TOWNSHIP
IVY LEA, ON

DRAWING TITLE
DETAILS

05		
04		
03		
02		
01		
REVISION		DATE

DESIGNED BY K. HAWLEY
DRAWN BY B. MULLIGAN
REVIEWED BY R. ASSELSTINE
APPROVED BY K. HAWLEY
PROJECT DATE 21/06/2024 (DD/MM/YYYY)
PROJECT # 24–5–5416
SCALE HOR: NTS VER: NTS
DRAWING # D1