EXISTING INFRASTRUCTURE NOTES:

1. ALL EXISTING PLANT OR UNDERGROUND INFRASTRUCTURE SHALL BE PROTECTED.
2. THE LOCATION OF EXISTING UNDERGROUND INFRASTRUCTURE WITHIN THE SITE IS UNKNOWN.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL UNDERGROUND INFRASTRUCTURE WITHIN THE LIMITS OF THIS CONTRACT.
4. WHEN UNDERGROUND INFRASTRUCTURE IS ENCOUNTERED THAT HAS NOT BEEN SHOWN ON THE CONTRACT DRAWINGS THE CONTRACTOR WILL RECORD IT'S LOCATION, NOTIFY THE CONTRACT ADMINISTRATOR AND FURNISH A COPY OF THE LOCATION OF SAID INFRASTRUCTURE.
5. IF ANY UNDERGROUND INFRASTRUCTURE IS FOUND TO BE IN CONFLICT WITH ANY OF THE WORK OF THIS CONTRACT THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE CONTRACT ADMINISTRATOR IN WRITING AND WHERE PRACTICABLE PROCEED WITH OTHER WORK THAT IS NOT AFFECTED BY THE CONFLICT.
6. IT WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO PRESERVE AND PROTECT ALL EXISTING INFRASTRUCTURE WITHIN THE CONTRACT LIMITS. ALL DAMAGES TO THE INFRASTRUCTURE RESULTING FROM THE ACTIONS OF THE CONTRACTORS OPERATIONS SHALL BE REPAIRED TO A SAME OR BETTER CONDITION AT NO ADDITIONAL COST TO THE OWNER.

PROJECT NOTES

- ANY DISTURBED AREAS TO BE REPAIRED WITH 100mm TOPSOIL AND SOD.
- CONTRACTOR TO KEEP SOD WATERED UNTIL ESTABLISHED, MINIMUM FIRST 2 CUTS. SEE DETAILED NOTES ON C3.
- SAWCUT ASPHALT WHERE FITTING TO EXISTING ASPHALT PRIOR TO PAVING.

OPSS SPECIFICATIONS

THE MUNICIPAL–ORIENTED ONTARIO PROVINCIAL STANDARDS IN AFFECT WHEN THE CALL FOR TENDERS FOR THIS CONTRACT WAS ADVERTISED SHALL APPLY FOR THE DURATION OF THE CONTRACT. ALL REFERENCES WITHIN THIS SPECIFICATION TO AN OPSS SHALL BE DEEMED TO MEAN OPSS.MUNI, UNLESS USE OF A PROVINCIAL–ORIENTED SPECIFICATION IS SPECIFIED IN THESE CONTRACT DOCUMENTS. WHEN THERE IS NOT A CORRESPONDING MUNICIPAL–ORIENTED SPECIFICATION, THE REFERENCES BELOW SHALL BE CONSIDERED TO BE THE OPSS LISTED, UNLESS USE OF A PROVINCIAL–ORIENTED SPECIFICATION IS SPECIFIED IN THESE CONTRACT DOCUMENTS.

THE FOLLOWING ONTARIO PROVINCIAL STANDARD SPECIFICATIONS APPLY TO AND FORM PART OF THIS CONTRACT:

102	MUNI 120	127
128	MUNI 180	201
MUNI 206	MUNI 212	310
MUNI 314	351	MUNI 353
MUNI 355	MUNI 401	MUNI 402
MUNI 403	405	407
408	MUNI 410	MUNI 441
MUNI 442	490	MUNI 501
506	MUNI 510	MUNI 517
MUNI 518	MUNI 539	MUNI 706
802	803	MUNI 804
1001	MUNI 1002	MUNI 1003
MUNI 1004	MUNI 1010	MUNI 1101
MUNI 1102	1150	1301
1302	MUNI 1303	1305
1306	1308	1312
MUNI 1315	MUNI 1820	1841
1850	2501	

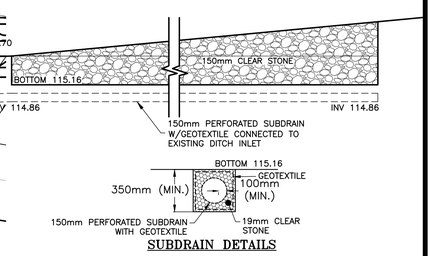
ONTARIO PROVINCIAL STANDARD SPECIFICATIONS (OPSS) AND ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD) FORM PART OF THIS CONTRACT.

THE TEXT OF ALL OPSS'S IS CONTAINED IN THE MANUAL "ONTARIO PROVINCIAL STANDARD SPECIFICATIONS."

THE OPSD'S ARE CONTAINED IN THE MANUAL OF ONTARIO PROVINCIAL STANDARD DRAWINGS.

NOTES: EROSION & SEDIMENT CONTROL

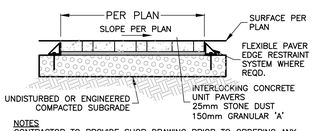
- IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES FOR EROSION & SEDIMENT CONTROL:
  - GEOTEXTILE CATCHES SHALL BE INSTALLED UNDER THE LIDS OF ALL EXISTING AND PROPOSED SITE STRUCTURES AND ADJACENT MUNICIPAL STRUCTURES. "ULTRA DRAIN GUARD" OR EQUAL.
  - LIGHT DUTY SILT FENCE AND STRAW BALE CHECKS SHALL BE INSTALLED AT LOCATIONS AS SHOWN ON THE DRAWING.
- ALL SEDIMENT AND EROSION CONTROL MEASURE SHALL BE INSPECTED DAILY AND AFTER EVERY RAIN EVENT BY THE CONTRACTOR. ALL SEDIMENT AND EROSION MEASURES SHALL BE MAINTAINED, REPAIRED OR REPLACED AS REQUIRED UNTIL CONSTRUCTION IS COMPLETE AND GROUND COVER HAS STABILIZED. THE CONTRACTOR SHALL IMMEDIATELY CONTAIN AND REMOVE ANY SEDIMENTS THAT BREACH SILT BARRIERS.
- CONSTRUCTION TRUCKS SHALL NOT BE CLEANED OR WASHED OFF ON THIS SITE EXCEPT AT AN APPROVED WASH OFF STATION. ANY FUEL SPILLS SHALL BE CONTAINED & CLEANED UP IMMEDIATELY. THE MINISTRY OF THE ENVIRONMENT MUST BE NOTIFIED IMMEDIATELY IF A SPILL OCCURS.
- IN THE EVENT THAT THE EROSION AND SEDIMENT CONTROL ("ESC") MEASURE INDICATED ON THIS PLAN ARE NOT SUFFICIENT, THE CONTRACTOR SHALL PROVIDE ADDITIONAL "ESC" MEASURED TO MINIMIZE THE RELEASE OF SOILS AND SEDIMENT INTO BODIES OF WATER AND SEWERS.
- CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF EROSION CONTROL MEASURES UPON COMPLETION OF CONSTRUCTION AND RE–VEGETATION HAS OCCURRED.
- CONTRACTOR IS RESPONSIBLE FOR DISPOSAL OF COLLECTED SEDIMENT.
- THIS DOCUMENT IS TO BE CONSIDERED A LIVING DOCUMENT AND MAY BE AMENDED IF WARRANTED BY CONDITIONS.



SUBDRAIN DETAILS

STORMWATER STORAGE BASIN

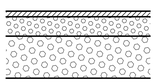
N.T.S.



NOTES
CONTRACTOR TO PROVIDE SHOP DRAWING PRIOR TO ORDERING ANY MATERIALS. SUPPLIER, COLOURS AND PATTERNS MUST BE APPROVED.

NON–INSULATED PAVER DETAIL

N.T.S.



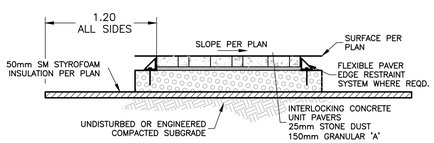
ASPHALT SECTION

N.T.S.

NOTES:
- ASPHALT MUST BE GRADED SUCH THAT WATER WILL FLOW FREELY IN THE DIRECTION INDICATED ON PLANS WITH NO PONDING.
- WHERE SWALE ARROWS ARE SHOW IN AN AREA WITH ASPHALT PAVEMENT OR CONCRETE PAVERS A FLOWLINE WILL BE ESTABLISHED SUCH THAT WATER WILL FLOW WITH LITTLE OR NO PONDING OFF OF THE PAVEMENT IN THE DIRECTION INDICATED.

LEGEND

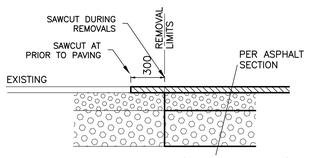
× 99.90	EXISTING GRADE
99.90	NEW GRADE EXISTING GRADE
(108.30)	NEW SWALE GRADE
	SLOPE
	DIRECTION OF DRAINAGE
	SWALE



NOTES
- CONTRACTOR TO PROVIDE SHOP DRAWING PRIOR TO ORDERING ANY MATERIALS. SUPPLIER, COLOURS AND PATTERNS MUST BE APPROVED.
- TO BE USED WITHIN 1.20m OF AN ENTRANCE.

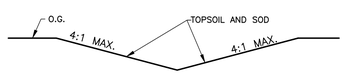
INSULATED PAVER DETAIL

N.T.S.



PAVEMENT BUTT JOINT AT EXISTING

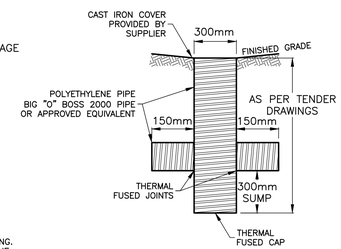
N.T.S.



SWALE SECTION

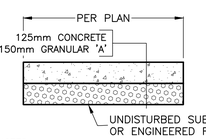
N.T.S.

NOTES:
- GROUND AROUND SWALE MUST BE GRADED SUCH THAT WATER WILL FLOW FREELY FROM ADJACENT GROUND TO THE BOTTOM OF SWALE WITH NO PONDING.
- BOTTOM OF SWALE MUST BE GRADED IN THE DIRECTION INDICATED AND TO THE GRADES SHOWN ON DRAWINGS WITH A SMOOTH CONTINUOUS SLOPE WITH MINIMAL PONDING.
- SIDE SLOPES OF SWALE ARE NOT TO EXCEED 4H:1V.
- SEE SODDING SPECIFICATION



HDPE CATCH BASIN DETAIL

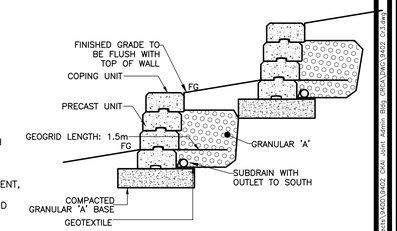
N.T.S.



NOTES:
- EXPANSION JOINTS @ 4.50m INTERVALS AND BOTH ENDS OF DEPRESSED SIDEWALK
- DUMMY JOINTS @ REGULAR 1.50m INTERVALS
- WORK TO CONFORM TO O.P.S.S. 351
- CONCRETE TO BE 30MPa, 7.0% ± 1.5% AIR CONTENT, SLUMP 70mm ± 20mm
- GRANULARS TO BE COMPACTED TO 100% STANDARD PROCTOR DENSITY
- SUBGRADE TO BE EITHER UNDISTURBED NATIVE MATERIAL OR APPROVED GRANULARS COMPACTED TO 100% STANDARD PROCTOR DENSITY

SIDEWALK CONCRETE

N.T.S.



NOTES
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PRECAST RETAINING WALL

N.T.S.

No.	By	Date	Revisions
1	CAJ	2022/04/18	ISSUED FOR TENDER, PERMIT AND CONSTRUCTION
0	AJP	1/18/2022	ISSUED FOR SITE PLAN CONTROL

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LICENSED PROFESSIONAL ENGINEER C. A. JARDINE 100065589 2022-04-18 PROVINCE OF ONTARIO

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Telephone: (613) 345-0400
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www.EastEng.com

Project Title:

JOINT ADMIN FACILITY RENOVATIONS AND ADDITIONS TO 2069 BATTERSEA ROAD

Drawing Title:

GRADING AND DRAINAGE PLAN

Design:	Checked:	Approved:	Project No.:
AJP	CAJ		9402
Drawn:	Checked:	Date:	Contract No.:
AJP	CAJ	9/30/2021	

Scale: 0 3.0 6.0 Horizontal: 150

Drawing No.: C1

File No. 9402 Cr3.dwg

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NOTES: EROSION & SEDIMENT CONTROL

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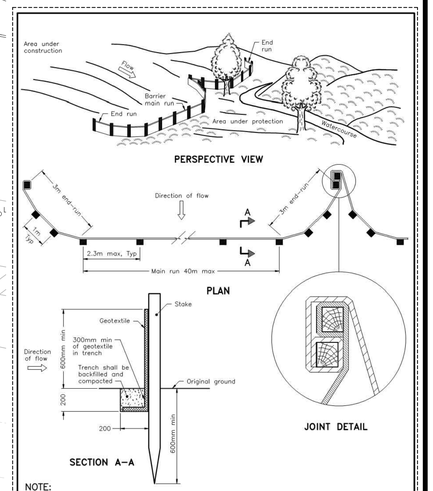
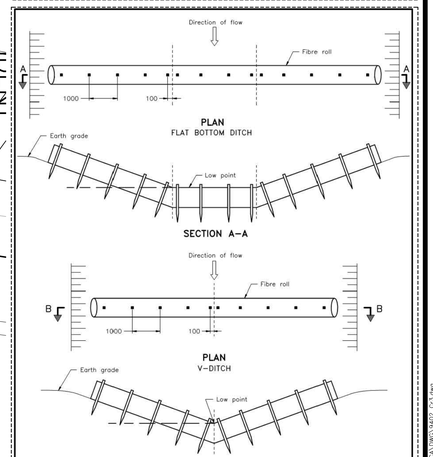


ONTARIO PROVINCIAL STANDARD DRAWING | Nov 2021 | Rev 3

LIGHT–DUTY SILT FENCE BARRIER

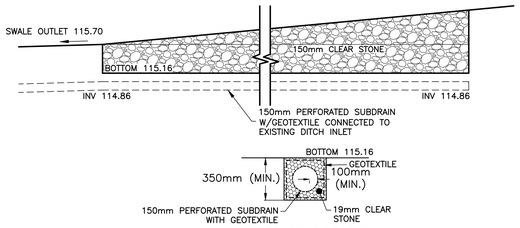
OPSD 219.110



ONTARIO PROVINCIAL STANDARD DRAWING | Nov 2021 | Rev 1

FIBRE ROLL FLOW CHECK DAMS

OPSD 219.191



SUBDRAIN DETAILS

STORMWATER STORAGE BASIN

N.T.S.

LEGEND

× 99.90	EXISTING GRADE
99.90 / 99.90	NEW GRADE EXISTING GRADE
108.30	NEW SWALE GRADE
	SLOPE
	DIRECTION OF DRAINAGE
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AJP	CAJ		9402
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AJP	CAJ	9/30/2021	

Scale: 0 3.0 6.0 Horizontal: 150

Drawing No.: C2

File No.: 9402 Cr3.dwg

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