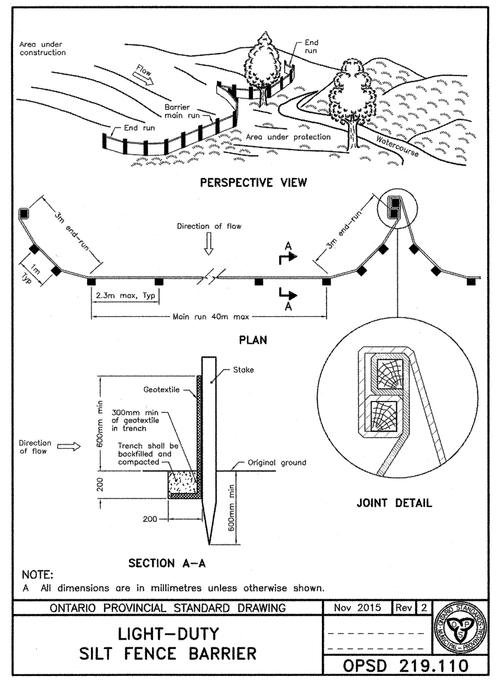
EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION.

DURING ALL CONSTRUCTION ACTIVITIES, EROSION AND SEDIMENTATION SHALL BE CONTROLLED BY THE FOLLOWING TECHNIQUES:

1. LIMITING THE EXTENT OF EXPOSED SOILS AT ANY GIVEN TIME.
2. RE–VEGETATION OF EXPOSED AREAS AS SOON AS POSSIBLE.
3. MINIMIZING THE AREA TO BE CLEARED AND DISRUPTION TO ADJACENT AREAS.
4. A SILT FENCE BARRIER (OPSD 219.110) TO BE INSTALLED AS SHOWN ON THIS DRAWING.
5. A VISUAL INSPECTION SHALL BE COMPLETED DAILY ON SEDIMENT CONTROL BARRIERS AND ANY DAMAGE REPAIRED IMMEDIATELY. CARE WILL BE TAKEN TO PREVENT DAMAGE DURING CONSTRUCTION OPERATIONS.
6. IN SOME CASES SOME BARRIERS MAY BE REMOVED TEMPORARILY TO ACCOMMODATE THE CONSTRUCTION OPERATIONS. THE AFFECTED BARRIERS WILL BE REINSTATED AT NIGHT WHEN CONSTRUCTION IS COMPLETED.
7. THE SEDIMENT CONTROL DEVICES WILL BE CLEANED OF ACCUMULATED SILT AS REQUIRED. THE DEPOSITS WILL BE DISPOSED OF AS PER THE REQUIREMENTS OF THE CONTRACT.
8. DURING THE COURSE OF CONSTRUCTION IF THE ENGINEER BELIEVES THAT ADDITIONAL PREVENTION METHODS ARE REQUIRED TO CONTROL EROSION AND SEDIMENTATION, THE CONTRACTOR WILL INSTALL ADDITIONAL SILT FENCES OR OTHER METHODS AS REQUIRED TO THE SATISFACTION OF THE ENGINEER.
9. CONSTRUCTION AND MAINTENANCE REQUIREMENTS FOR EROSION AND SEDIMENT CONTROLS TO COMPLY WITH ONTARIO PROVINCIAL STANDARD SPECIFICATION (OPSS) OPSS 805, AND CITY OF OTTAWA SPECIFICATIONS.
10. MUD MATT TO BE LOCATED AT THE CONSTRUCTION ENTRANCE, AS INDICATED ON THE PLAN, AND SHALL BE INSTALLED AS PER THE MUD MATT DETAIL TO PREVENT MUD TRACKING ON TO MUNICIPAL ROADS. THE ENTRANCE SHALL BE MAINTAINED IN CLEAN CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
11. EROSION AND SEDIMENT CONTROL MEASURES MAY BE MODIFIED ON–SITE AT THE DISCRETION OF THE CITY OF OTTAWA INSPECTOR OR THE MISSISSIPPI VALLEY CONSERVATION AUTHORITY. CONTRACTOR IS RESPONSIBLE TO INSTALL MODIFICATIONS AS REQUIRED TO THE SATISFACTION OF THE APPROPRIATE AUTHORITIES.
12. IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL, GEOSYNTHETIC SYSTEMS SILTSACK OR APPROVED EQUIVALENT IS TO BE PLACED INSIDE ALL STORM MANHOLE CATCHBASINS AND CATCHBASINS. INSTALLATION, INSPECTION AND CLEANOUT ARE AS PER MANUFACTURER'S RECOMMENDATIONS.



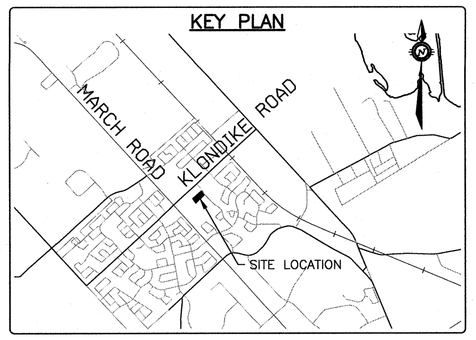
ONTARIO PROVINCIAL STANDARD DRAWING | Nov 2015 | Rev 2

LIGHT–DUTY SILT FENCE BARRIER

OPSD 219.110

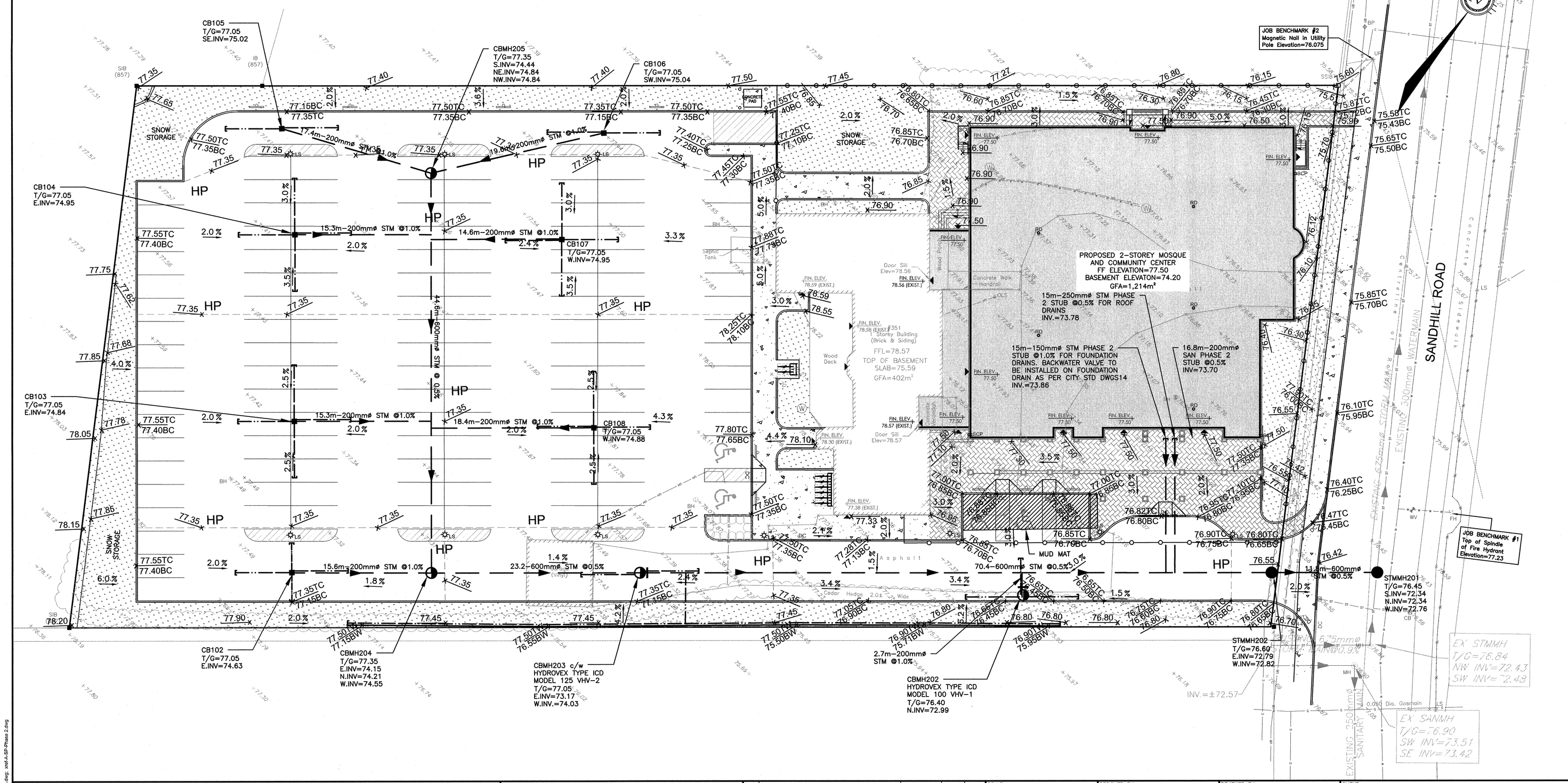
SILT FENCE NOTES:

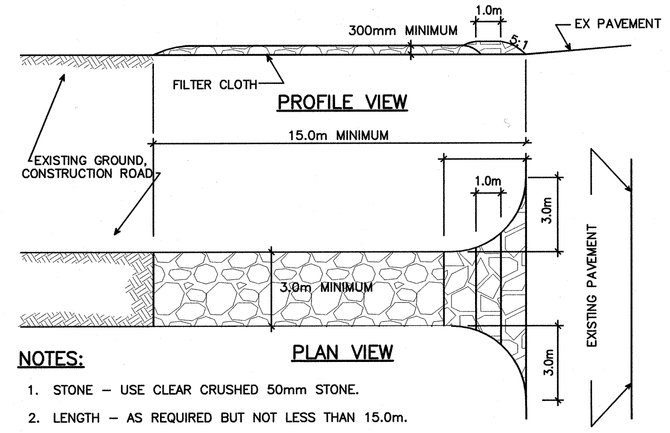
1. POSTS TO BE SPACED AT 2.3 METRES CENTRE TO CENTRE.
2. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY A MINIMUM OF 500mm.
3. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
4. WOOD POSTS TO BE HARDWOOD TYPE (50mm x 50mm).
5. GEOTEXTILE TO BE EMBEDED 200 mm INTO GROUND.
6. GEOTEXTILE TO CONFORM TO OPSS 805 STANDARDS.
7. SILT FENCE MUST BE INSTALLED BEFORE COMMENCEMENT OF CONSTRUCTION AND IN ACCORDANCE WITH DETAIL. SILT FENCE CAN BE REMOVED AFTER LANDSCAPING IS COMPLETE.
8. SEDIMENTS MUST BE CLEARED AWAY WHEN THEY REACH HALF THE HEIGHT OF THE FENCE.



LEGEND

- SIB – STANDARD IRON BAR
- IB – IRON BAR
- CB – CATCH BASIN
- MH – MANHOLE
- WMH – WATER MANHOLE
- LS – LAMP STANDARD
- UP – UTILITY POLE
- WV – WATER VALVE
- FH – FIRE HYDRANT
- W – WELL
- – GUY WIRE AND ANCHOR
- —W— – WATERMAIN
- —OH— – OVERHEAD UTILITY WIRES
- —UH— – UNDERGROUND HYDRO
- —UB— – UNDERGROUND BELL
- —G— – GAS MAIN
- —C— – CABLE (ROGERS)
- —SL— – STREET LIGHT
- —ST— – STORM SEWER
- —S— – SANITARY SEWER
- – CURB
- – PROPOSED CURB
- – PROPOSED WATERMAIN
- – PROPOSED STORM SEWER
- – PROPOSED SANITARY SEWER
- – PROPOSED CLAY SEAL AT 60m INTERVALS
- – PROPOSED SANITARY MANHOLE
- – PROPOSED STORM MANHOLE
- – PROPOSED STORM CATCHBASIN MANHOLE
- – PROPOSED STORM CATCHBASIN
- – PROPOSED FIRE HYDRANT
- V&VB – PROPOSED VALVE & VALVE BOX
- – PROPOSED SIAMESE CONNECTION
- V&VC – PROPOSED VALVE & VALVE CHAMBER
- M – PROPOSED WATER METER
- RM – PROPOSED REMOTE WATER METER
- LS – PROPOSED LIGHT STANDARD
- 76.40 – PROPOSED ELEVATION
- – EXISTING ELEVATION
- – PROPOSED SILT FENCE





NOTES:

1. STONE – USE CLEAR CRUSHED 50mm STONE.
2. LENGTH – AS REQUIRED BUT NOT LESS THAN 15.0m.
3. THICKNESS – NOT LESS THAN 300mm.
4. WIDTH – 3.0m MINIMUM, NOT LESS THAN THE WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. FILTER CLOTH – WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE.
6. MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT–OF–WAY. THIS MAY REQUIRED PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT–OF–WAY MUST BE REMOVED IMMEDIATELY.
7. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

MUD MAT DETAIL

N.T.S

CAUTION
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

PRELIMINARY
NOT FOR CONSTRUCTION

NO.	REVISION DESCRIPTION	DATE	BY	APPD
4	REVISED AS PER CITY COMMENTS	19/02/19	AE	AA
3	REVISED AS PER CITY COMMENTS	02/11/18	AE	AA
2	ISSUED FOR SITE PLAN APPROVAL	29/06/18	AE	AA
1	ISSUED FOR SITE PLAN APPROVAL	13/09/17	ML	AA

SCALE: 0 2m 4m 10m — HORIZONTAL 1:250

NORTH

DESIGNED BY

REVIEWED BY

LICENSED PROFESSIONAL ENGINEER — M.A. ANSARI — 19/2/2019 — PROVINCE OF ONTARIO

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BASEPLAN	ML
DESIGN	ML
CHECKED	AA
CAD	ML
PROJECT MANAGER	AA
APPROVED	AA

PROJECT
KMA MOSQUE AND COMMUNITY CENTRE
351 SANDHILL ROAD, OTTAWA, ON

TITLE
EROSION & SEDIMENT CONTROL PLAN
PHASE 2

PROJECT No.	OTT–00238504–A0
SURVEY	F M & W
DATE	2016–12–09
DRAWING No.	ESCP–2

D07-12-17-0119

#17532

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