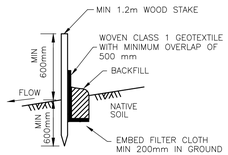
EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION.

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. REVEGETATION OF EXPOSED AREAS AS SOON AS POSSIBLE.
3. MINIMIZATION OF AREA TO BE CLEARED AND DISRUPTION TO ADJACENT AREAS.
4. INSTALLATION OF FILTER CLOTH BETWEEN FRAME AND COVER ON ALL PROPOSED CATCH BASINS AND CATCH BASIN MANHOLES.
5. A SILT FENCE TO BE INSTALLED 0.3m INSIDE THE SITE PROPERTY LINE TO LOCATIONS SHOWN ON THIS DRAWING.
6. 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.
7. IN SOME CASES SOME BARRIERS MAY BE REMOVED TEMPORARILY TO ACCOMODATE THE CONSTRUCTION OPERATIONS. THE AFFECTED BARRIERS WILL BE REINSTATED AT NIGHT WHEN CONSTRUCTION IS COMPLETED.
8. 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.
9. DURING THE COURSE OF CONSTRUCTION IF THE ENGINEER BELIEVES THAT ADDITIONAL PREVENTION METHODS ARE REQUIRED TO CONTROL EROSION AND SEDIMENTATION, THE CONTRACTOR WILL INSTALL ADDITONAL SILT FENCES OR OTHER METHODS AS REQUIRED TO THE SATISFACTION OF THE ENGINEER.
10. CONSTRUCTION AND MAINTENANCE REQUIRMENTS FOR EROSION AND SEDIMENT CONTROLS TO COMPLY WITH ONTARIO PROVINCIAL STANDARD SPEFICICATION (OPSS) OPSS 805, AND CITY OF OTTAWA SPECIFICATIONS.

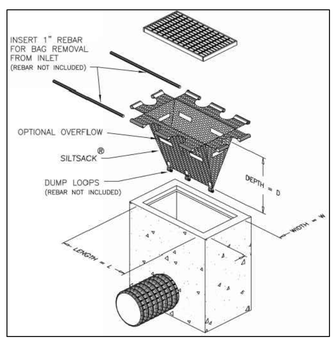


LIGHT DUTY SILT FENCE BARRIER

N.T.S

NOTES:

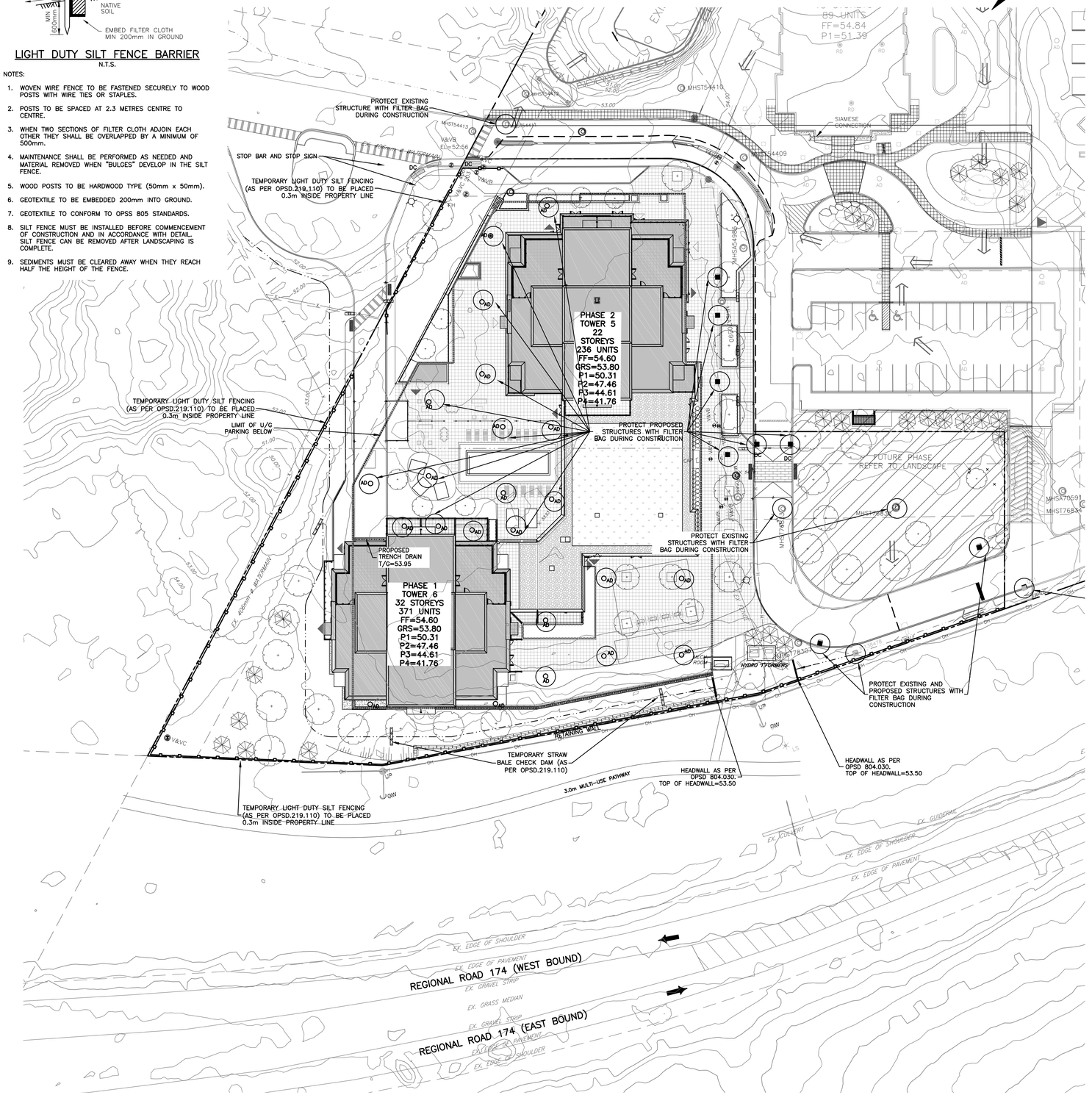
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO WOOD POSTS WITH WIRE TIES OR STAPLES.
2. POSTS TO BE SPACED AT 2.3 METRES CENTRE TO CENTRE.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY A MINIMUM OF 500mm.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED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



PROVIDE FILTER BAGS AS SHOWN (GEO-SYNTHETICS MANUFACTURER OR APPROVED EQUIVALENT)

FILTER BAG DETAIL

N.T.S


PROTECT EXISTING STRUCTURE WITH FILTER BAG DURING CONSTRUCTION
STOP BAR AND STOP SIGN
TEMPORARY LIGHT DUTY SILT FENCING (AS PER OPSD.219.110) TO BE PLACED 0.3m INSIDE PROPERTY LINE
89 UNITS FF=54.84 P1=51.39
SIAMESE CONNECTION
PHASE 2 TOWER 5 22 STOREYS 236 UNITS FF=54.60 GRS=53.80 P1=50.31 P2=47.46 P3=44.61 P4=41.76
TEMPORARY LIGHT DUTY SILT FENCING (AS PER OPSD.219.110) TO BE PLACED 0.3m INSIDE PROPERTY LINE
LIMIT OF U/G PARKING BELOW
PROTECT PROPOSED STRUCTURES WITH FILTER BAG DURING CONSTRUCTION
FUTURE PHASE REFER TO LANDSCAPE
PROPOSED TRENCH DRAIN T/G=53.95
PHASE 1 TOWER 6 32 STOREYS 371 UNITS FF=54.60 GRS=53.80 P1=50.31 P2=47.46 P3=44.61 P4=41.76
PROTECT EXISTING STRUCTURES WITH FILTER BAG DURING CONSTRUCTION
HYDRO TYDRMERS
PROTECT EXISTING AND PROPOSED STRUCTURES WITH FILTER BAG DURING CONSTRUCTION
RETAINING WALL
TEMPORARY STRAW BALE CHECK DAM (AS PER OPSD.219.110)
HEADWALL AS PER OPSD 804.030. TOP OF HEADWALL=53.50
HEADWALL AS PER OPSD 804.030. TOP OF HEADWALL=53.50
3.0m MULTI-USE PATHWAY
TEMPORARY LIGHT DUTY SILT FENCING (AS PER OPSD.219.110) TO BE PLACED 0.3m INSIDE PROPERTY LINE
EX. GUIDERAIL
EX. CONCRETE
EX. EDGE OF SHOULDER
EX. EDGE OF PAVEMENT
REGIONAL ROAD 174 (WEST BOUND)
EX. GRAVEL STRIP
EX. GRASS MEDIAN
EX. GRAVEL STRIP
REGIONAL ROAD 174 (EAST BOUND)
EX. EDGE OF PAVEMENT
EX. EDGE OF SHOULDER
MHS54409
MHS54410
MHS54413
MHS54414
MHS54415
MHS54416
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