### SITE GRADING NOTES

- ALL GRANULAR BASE AND SUB-BASE MATERIALS SHALL BE GRADED AND COMPACTED TO 98% STD. PROCTOR DENSITY, FREE OF DEPRESSIONS AS PER THE
- GEOTECHNICAL REPORT ALL DISTURBED GRASS AREAS SHALL BE RESTORED WITH TOPSOIL AND SOD TO
- ORIGINAL CONDITION OR BETTER. ALL CONCRETE SIDEWALKS WITHIN THE LIMITS OF THE SITE SHALL BE
- CONSTRUCTED IN ACCORDANCE WITH OPSS 351, OPSD 310.010, OPSD 310.020 AND OPSD 310.030, UNLESS OTHERWISE SHOWN, AND BE CONSTRUCTED TO A
- WIDTH AS SPECIFIED ON THE SITE PLAN. . DEPRESSED CURBS AND CURB RAMPS SHALL CONFORM TO O.B.C. SECTION 3.8,
- UNLESS OTHERWISE NOTED. DRIVEWAYS, TRUCK ACCESS ROUTES, FIRE ROUTES AND LOADING AREAS ARE DEFINED AS "HEAVY DUTY", UNLESS OTHERWISE SHOWN. PARKING ISLES (NON
- TRUCK ACCESS) AND PARKING SPACES ARE DEFINED AS "LIGHT DUTY", UNLESS OTHERWISE SHOWN.
- PAVEMENT DESIGN AS FOLLOWS OR AS SPECIFIED IN THE GEOTECHNICAL REPORT PREPARED BY THE GEOTECHNICAL CONSULTANT, WHICHEVER IS GREATER:

MATERIAL	DEPTH (mm)	
	LIGHT DUTY	HEAVY DUTY
ASPHALT CONCRETE HL3	50	50
ASPHALT BINDER HL8	50	70
GRANULAR A	150	150
GRANULAR B	250	350

### **GENERAL EROSION & SEDIMENTATION CONTROL NOTES**

- NO CONSTRUCTION ACTIVITY OR MACHINERY SHALL INTRUDE BEYOND THE SILT FENCE OR LIMIT OF DEVELOPMENT. ALL CONSTRUCTION VEHICLES SHALL LEAVE THE SITE AT DESIGNATED LOCATION(S) AS SHOWN ON THE PLANS. ALL MATERIALS AND EQUIPMENT SHALL BE STORED ON SITE IN A DESIGNATED AREA. NO MATERIALS OR EQUIPMENT SHALL BE STORED ON THE MUNICIPAL RIGHT OF WAY. NO CONSTRUCTION VEHICLES WILL PARK ON MUNICIPAL ROADS.
- 2. DUST CONTROL TO BE REVIEWED DAILY TO ENSURE DUST IS CONTROLLED AS PER THE MUNICIPALITY OF CLARINGTON BY-LAWS.
- . CONTRACTOR TO ADHERE TO MUNICIPALITY OF CLARINGTON NOISE BY-LAWS.
- 4. SERVICING OF CONSTRUCTION EQUIPMENT ON SITE IS PROHIBITED
- . ALL LITTER AND DEBRIS SHALL BE MONITORED AND DISPOSED OF DAILY OR AS NECESSARY THROUGH REGULAR INSPECTION.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION, MAINTENANCE AND REMOVAL OF ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION, AS DIRECTED BY THE ENGINEER.
- '. THE LOCATION OF EROSION AND SEDIMENT CONTROL DETAILS ARE SHOWN SCHEMATICALLY ON THIS DRAWING.
- . ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED AND SHALL BE DETERMINED BY THE ENGINEER.
- 9. ALL SEDIMENT CONTROL MEASURES SHALL BE IN PLACE PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES ON-SITE.
- IO. TEMPORARY CONSTRUCTION ACCESS ROAD AND MUD MAT TO BE INSTALLED PRIOR TO CONSTRUCTION TO PREVENT MUD TRACKING ON ADJACENT EXTERNAL
- 11. IF CONSTRUCTION ACTIVITY IS INTERRUPTED AND/OR INACTIVITY EXCEEDS 30 DAYS, ALL STRIPPED/BARE AREAS ARE TO BE STABILIZED WITH SEED/MULCH.
- 12. ALL SEDIMENT CONTROL MEASURES ARE TO BE MAINTAINED IN GOOD REPAIR DURING ALL PHASES OF CONSTRUCTION. ALL DEFICIENCIES ARE TO BE RECTIFIED WITHIN 48 HOURS OF INSPECTION.
- 13. ALL SEDIMENT TRAPS ARE TO BE CLEANED PERIODICALLY AS DIRECTED BY THE SITE ENGINEER AND/OR AS REQUIRED BY THE TOWN. TRAPPED SEDIMENT MUST BE CLEARED OUT ONCE THE SEDIMENT ACCUMULATION REACHES 50% OF THEIR
- 14. SEDIMENT TRAPS MAY REQUIRE DEWATERING DURING CONSTRUCTION OPERATIONS AND DECOMMISSIONING. DISCHARGES FROM DEWATERING OPERATIONS SHALL BE DIRECTED THROUGH ADEQUATELY SIZED SEDIMENT BAGS. SUCH DISCHARGES SHALL BE NO CLOSER THAN 30m TO ANY OPEN WATER COURSE. DISCHARGES MAY BE DIRECTED TO STORM SEWERS ONLY WHERE SUCH DISCHARGES ARE SUBSTANTIALLY CLEAR OF SEDIMENTS.
- 15. STABILIZATION OF DISTURBED AREAS SHALL BE COMPLETED WITHIN FOURTEEN (14) DAYS OF NO WORK ACTIVITY.
- 16. ANY TREES SELECTED BY LANDSCAPE ARCHITECT FOR PRESERVATION TO BE PROTECTED BY TREE PROTECTION FENCING (OPSD 320.010). LANDSCAPE ARCHITECT TO INDICATE ANY TREES THAT ARE TO BE TRANSPLANTED.
- 17. ADDITIONAL EROSION AND SEDIMENT CONTROL MATERIALS (I.E. SILT FENCES, STRAWBALES, CLEAR STONE ETC.) ARE TO BE KEPT ON SITE FOR EMERGENCIES AND REPAIR.
- 18. CONTRACTOR TO CLEAN ROADS ON A REGULAR BASIS OR AS DIRECTED BY THE ENGINEER. THE ROAD SHALL AT A MINIMUM BE SCRAPED DAILY AND FLUSHED ON FRIDAY EVENING OR SATURDAY MORNING.
- 19. ALL ACTIVITIES, INCLUDING MAINTENANCE PROCEDURES, WILL BE CONTROLLED TO PREVENT THE ENTRY OF PETROLEUM PRODUCTS. DEBRIS, RUBBLE, CONCRETE OR OTHER DELETERIOUS SUBSTANCES IN THE WATER. VEHICULAR REFUELLING AND MAINTENANCE WILL BE CONDUCTED A MINIMUM OF 30m FROM ANY WATERCOURSE.
- 20. AN AFTER HOURS CONTACT NUMBER IS TO BE VISIBLY POSTED ON-SITE FOR EMERGENCIES. ALL CONCERNS SHOULD BE DIRECTED TO: CANDEVCON LIMITED: ANDREW WATSON 289-315-3680 LAND OWNER: ORE ALADE 226-791-1898

# **CONSTRUCTION STAGING & REQUIRED MEASURES**

- CLEARING AND GRUBBING - SILT/SNOW FENCE
- MUD MAT TOPSOIL STRIPPING/STOCKPILING/REMOVAL
- SILT/SNOW FENCE
- MUD MAT EARTHWORKS
- SILT/SNOW FENCE - MUD MAT
- ROADWORKS - SILT/SNOW FENCE
- MUD MAT
- BUILDING CONSTRUCTION - SILT/SNOW FENCE
- MUD MAT BUILDING COMPLETION
- DECOMMISSION ALL SEDIMENT CONTROL MEASURES - RESTORE ALL DISTURBED AREAS
- PROPOSED WORK SCHEDULE
- . CONSTRUCT MUD MAT 1 DAY 2. PLACE SILT FENCE - 1 DAY
- 3. CLEARING & GRUBBING 1 DAY 4. TOPSOIL STRIPPING/STOCKPILING/REMOVAL - 1 DAY
- . EARTHWORKS 2 DAYS . ROADWORKS - 5 DAYS
- 7. BUILDING CONSTRUCTION 1 MONTH

## DRY MEADOW SEED MIX

- APPLY THE FOLLOWING SEED MIX AT A MINIMUM RATE OF 15kg/Ha, SIMULTANEOUSLY SOWING A COVER CROP OF ANNUAL OATS FOR EROSION CONTROL (RATE OF 30 kg/Ha)
- 20% FOWL MEADOW GRASS (POA PALUSTRIS)
- 15% LITTLE BLUESTEM (ANDROPOGON SCOPARIUS) • 15% INDIANGRASS (SORGHASTRUM NUTANS)
- 15% VIRGINIA WILD RYE (ELYMUS VIRGINICUS) • 10% SIDEOATS GRAMMA (BOUTELOUA CURTIPENDULA)
- 5% WILD LUPINE (LUPINUS PERENNIS)
- 4% WHITE ASTER (ASTER UMBELLATUS)
- 4% BUTTERFLY MILKWEED (ASCLEPIAS TUBEROSA) • 3% HEATH ASTER (ASTER PILOSUS)
- 3% BLACK EYED SUSAN (RUDBECKIA HIRTA) • 2% SHOWY TICK-TREFOIL (DESMODIUM CANADENSE)

- MEASURES BEFORE ANY EARTHWORKS CAN BEGIN.
- BE RECTIFIED WITHIN 48 HOURS.
- ON A WEEKLY BASIS • BEFORE AND AFTER ALL SIGNIFICANT RAINFALL EVENTS.
  - DAILY DURING EXTENDED RAIN OR SNOWMELT EVENTS.
- PARTIES DURING THEIR WEEKLY REVIEWS.

- ENTRY/EGRESS TO THE SITE DURING THESE PERIODS.

- TO ALLOW FOR LESS DUST TO BE CIRCULATED.
- THE ENGINEER.
- MANUFACTURERS RECOMMENDATIONS.

- CONTRACTOR:
- IMMEDIATELY UPON THE DISCOVERY OF A SPILL.
- REQUIREMENTS.
- BUCKETS.
- AN APPROVED RECEIVER SITE.
- AS REQUIRED.



