

R:\08000\08039\lddt\control.dwg 1/9/2009 5:00:41 PM EST

GENERAL SWPP NOTES

1. THE CONTRACTOR SHALL COMPLY WITH ALL OEPA PERMITS.
2. SEE CONSTRUCTION SEQUENCE
3. SWPP PLANS ARE FOR SWPP ONLY. REFER TO GRADING PLANS, PLAN/ PROFILE SHEETS, AND DETAILS FOR CONSTRUCTION OF PAVEMENT, UTILITIES, GRADING, ETC.
4. THESE CONSTRUCTION DRAWINGS SHALL BE MADE AVAILABLE ON SITE AT ALL TIMES AND PRESENTED UPON REQUEST.
5. THIS SITE IS COVERED UNDER OEPA GENERAL STORMWATER CONSTRUCTION PERMIT #3GC04211*AG
6. THE TOTAL AREA OF DISTURBANCE FOR THIS PROJECT IS 2.5± AC.
7. ALL WORK SPECIFIED AS AN ODOT ITEM SHALL BE GOVERNED BY THE CURRENT STATE OF OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATION HANDBOOK. ALL OTHER ITEMS SHOULD CONFORM TO SPECIFICATIONS CONTAINED IN THE ODNR MANUAL – RAINWATER AND LAND DEVELOPMENT.
8. THE FOLLOWING EROSION AND SEDIMENT CONTROL MEASURES WILL BE USED ON THIS SITE: – SILT FENCE, SEEDING, STORM DRAIN INLET PROTECTION AND CONSTRUCTION ENTRANCE. THE FOLLOWING CONTROLS WILL REMAIN AFTER CONSTRUCTION AND BECOME THE POST CONSTRUCTION CONTROL MEASURES – SEEDING, SUBSURFACE SANDFILTER AND STORM WATER QUALITY UNITS (HYDRODYNAMIC SEPARATOR).
9. ALL STORM WATER POLLUTION PREVENTION PRACTICES WILL BE INSTALLED FIRST BEFORE ANY EARTH MOVING OCCURS. IF THE FIRST CONSTRUCTION ACTIVITY ON THIS SITE WILL DISTURB THE GROUND WILL BE DONE BY A SUBCONTRACTOR, THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE SUBCONTRACTOR INSTALLS THE REQUIRED SEDIMENT AND EROSION CONTROLS SHOWN ON THE PLAN, OR REQUIRED BY SUCH ACTIVITY. ALSO THE CONTRACTOR WILL BE RESPONSIBLE FOR INSPECTIONS AND MAINTENANCE OF THESE CONTROL MEASURES.
10. THE GENERAL LOCATION OF THE STAGING AREA IS SHOWN, BUT MAY BE MOVED TO BETTER SUIT THE CONTRACTOR'S METHODS. THE STAGING AREA SHALL BE ESTABLISHED EITHER ON EXISTING PAVEMENT OR ON 12" OF ODOT 304 AGGREGATE BASE. IF AN AGGREGATE BASE COURSE IS USED, THEN THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN THE STONE SUCH THAT IT IS REPLENISHED WHEN THE DEPTH IS LESS THAN 6" OR REMOVED AND REPLACED IF THE STONE BECOMES MUD-LADEN.
11. THE CONTRACTOR'S TRAILER MAY HAVE SANITARY FACILITIES AND SHALL HAVE A WATER SOURCE. ALL PERSONNEL INVOLVED WITH CONSTRUCTION ACTIVITIES MUST COMPLY WITH STATE AND LOCAL SANITARY REGULATIONS. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE TEMPORARY SANITARY FACILITIES AT THE SITE THROUGHOUT THE CONSTRUCTION PHASE WHICH MUST BE UTILIZED BY ALL CONSTRUCTION PERSONNEL AND WILL BE SERVICED BY A COMMERCIAL OPERATOR.
12. THE CONTRACTOR IS RESPONSIBLE FOR ALL NON-SEDIMENT POLLUTION CONTROLS AT THIS SITE, WHICH PROHIBIT NON-SEDIMENT POLLUTANTS FROM DISCHARGING INTO RUNOFF OR INTO THE GROUND AND MUST DISPOSE OF THEM IN A PROPER MANNER IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATORY AUTHORITIES. IT IS PROHIBITED TO BURN, BURY, OR POUR OUT INTO THE GROUND, DITCH OR INTO A STORM SEWER, SOLVENTS, PAINTS, STAINS, GASOLINE, DIESEL FUEL, USED MOTOR OIL, HYDRAULIC FLUID, ANTIFREEZE, CEMENT, CURING COMPOUND AND OTHER SUCH TOXIC OR HAZARDOUS WASTE. STORAGE TANKS SHALL BE LOCATED IN DIKED AREAS AWAY FROM DRAINAGE CHANNELS AND THE DIKED AREA SHOULD HOLD A VOLUME OF 110% OF THE LARGEST TRUCK, OR TANK, SHOULD THE CONTRACTOR FAIL TO PREVENT NON-SEDIMENT POLLUTION AT THIS SITE, HE MUST IMMEDIATELY REMEDIATE THE SITE TO LOCAL, STATE AND FEDERAL REGULATORY AUTHORITIES APPROVAL ENTIRELY AT HIS OWN EXPENSE.
13. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE A MINIMUM OF ONE SOLID WASTE DISPOSAL RECEPTACLE AND HAVE THIS RECEPTACLE EMPTIED BY A CONTRACT TRASH DISPOSAL SERVICE AND HAULED AWAY FROM THE SITE AS NECESSARY. NO SOLID MATERIALS, INCLUDING BUILDING MATERIALS ARE ALLOWED TO BE DISCHARGED FROM THE SITE WITH STORM WATER. ALL SOLID WASTE, INCLUDING DISPOSABLE MATERIALS INCIDENTAL TO THE MAJOR CONSTRUCTION ACTIVITIES, MUST BE COLLECTED AND PLACED IN THESE RECEPTACLES. THE LOCATION IS TO BE DETERMINED IN THE FIELD.
14. ALL EXISTING CATCH BASINS OR INLETS WITHIN THE WORK LIMITS SHALL HAVE INLET PROTECTION (DANDY BAGS) INSTALLED AROUND THEM, UNLESS THE SEWER HAS BEEN MADE INACTIVE BY PRIOR WORK EXISTING CATCH BASINS OR INLETS WHICH ARE TO BE REMOVED OR ABANDONED DURING THIS PROJECT SHALL NOT HAVE THE INLET PROTECTION REMOVED UNTIL AFTER THE DOWNSTREAM STORM STRUCTURE IS PLUGGED FROM STORM FLOW. ALL PROPOSED STORM CATCH BASINS OR INLETS SHALL HAVE INLET PROTECTION.
15. ROCK CONSTRUCTION ENTRANCES SHALL BE PLACED AT ALL ACCESS/EGRESS LOCATIONS AT THIS SITE TO PREVENT SEDIMENT FROM LEAVING THIS AREA VIA VEHICLE TIRES. ANY HAUL ROADS SHALL BE CONSTRUCTED SAME AS ROCK CONSTRUCTION ENTRANCE.
16. AS A MINIMUM ALL STOCKPILES SHALL HAVE SILT FENCE PLACED 10' OFF AND ALONG THE BOTTOM FOOTPRINT OF THE FINAL STOCKPILE CONFIGURATION. IF THE STOCKPILE WILL BE INACTIVE FOR 21 DAYS OR MORE, THEN THE SURFACE SHALL BE SEEDED, OR STABILIZED WITHIN 7 DAYS OF LAST ACTIVITY. THE STOCKPILE CAN BE LOCATED BY THE CONTRACTOR TO BEST FIT HIS MEANS AND METHODS, BUT AT NO TIME SHALL ALLOW SEDIMENT LADEN TO RUNOFF TO EXIT SITE.
17. THE CONTRACTOR IS RESPONSIBLE TO PREVENT DISCHARGE OF WASTE CONCRETE AND/OR WASH WATER FROM CONCRETE TRUCKS FROM MIXING WITH RUN-OFF AND LEAVING THE SITE. THE CONTRACTOR SHALL SIZE THE CONCRETE WASHOUT PIT TO HANDLE HIS PROPOSED CONCRETE OPERATIONS AND SHALL MAINTAIN THE PIT SUCH THAT ALL CONCRETE TRUCKS CAN USE IT TO WASHOUT. ALL CURED RESIDUE FROM THE PIT SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. A GENERAL LOCATION FOR THE WASHOUT PIT IS SHOWN ON THE PLAN AND MAY BE MOVED TO BETTER FIT THE CONTRACTOR'S METHODS.

18. THE CONTRACTOR IS RESPONSIBLE FOR ALL DUST CONTROL AND SHALL SUPPLY WATER TRUCKS, OR OTHER MEANS AS NECESSARY TO CONTROL DUST GENERATED BY CONSTRUCTION ACTIVITIES ON THE SITE PER CITY REQUIREMENTS.

19. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ALL SEDIMENT AND EROSION CONTROL ITEMS AT ALL TIMES AND UNTIL ALL UPSLOPE AREAS ARE STABILIZED. SEE INSPECTION AND MAINTENANCE NOTES.

20. THE CONTRACTOR SHALL LIMIT THE SURFACE AREA OF ERODABLE EARTH MATERIAL EXPOSED BY EXCAVATION, BORROW AND FILL OPERATIONS AND PROVIDE IMMEDIATE PERMANENT OR TEMPORARY CONTROL MEASURES TO PREVENT CONTAMINATION OF ADJACENT STREAMS OR OTHER WATER COURSES, LAKES, PONDS, WETLANDS OR OTHER AREAS OF WATER IMPOUNDMENT.

21. CONTRACTOR MAY NEED ADDITIONAL DEWATERING AND EROSION & SEDIMENTATION PREVENTION MEASURES TO CONTEND WITH GROUNDWATER. GROUNDWATER, STORMWATER AND SEDIMENT BEARING DRAINAGE SHALL BE FILTERED OR PONDED TO ALLOW REMOVAL OF SILT, SEDIMENT, DEBRIS AND OTHER POLLUTANTS PRIOR TO DISCHARGE FROM THE SITE. THE SETTLED MATERIAL SHALL BE DISPOSED OF IN A STABILIZED LOCATION WHERE IT WILL NOT BE CARRIED OFF-SITE OR INTO A STORM SEWER BY RAINFALL. WATER WITH A VISIBLE SHEEN MUST BE REMOVED BY A VACUUM TRUCK. THERE SHALL BE NO TURBID OR MURKY DISCHARGES TO SURFACE WATERS OF THE STATE RESULTING FROM DEWATERING ACTIVITIES. IF TRENCH OR GROUND WATERS CONTAIN SEDIMENT OR OTHER POLLUTANTS, THEY MUST PASS THROUGH A SEDIMENT SETTLING POND OR OTHER EQUALLY EFFECTIVE SEDIMENT CONTROL DEVICE, PRIOR TO BEING DISCHARGED FROM THE CONSTRUCTION SITE. ALTERNATIVELY, SEDIMENT MAY BE REMOVED BY SETTLING IN PLACE OR DEWATERING INTO A SUMP PIT, FILTER BAG OR COMPARABLE PRACTICE. GROUND WATER DEWATERING WHICH DOES NOT CONTAIN SEDIMENT OR OTHER POLLUTANTS ARE NOT REQUIRED TO BE TREATED PRIOR TO DISCHARGE, HOWEVER, CARE MUST BE TAKEN WHEN DISCHARGING GROUND WATER TO ENSURE THAT IT DOES NOT BECOME POLLUTANT-LADEN BY TRAVERSING OVER DISTURBED SOILS OR OTHER POLLUTANT SOURCES, OR ERODE DISCHARGE AREA.

22. AT COMPLETION OF THE PERMANENT STORM WATER SYSTEM AND THE SITE IS SUFFICIENTLY STABLE, THE TEMPORARY SEDIMENTATION AND EROSION CONTROL ITEMS SHALL BE REMOVED. THE CONTRACTOR SHALL THOROUGHLY CLEAN BASINS, MANHOLES, CONDUITS AND MISCELLANEOUS APPURTENANT STRUCTURES PER CITY REQUIREMENTS. ALL SEDIMENT SHALL BE REMOVED FROM THE STORM SYSTEM AND DISPOSED OF AT A STABILIZED LOCATION WHERE IT WILL NOT BE CARRIED OFF-SITE OR INTO A STORM SEWER BY RAINFALL.

23. IF UNFORESEEN ENVIRONMENTAL CONDITIONS ARE ENCOUNTERED, ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES MAY BECOME NECESSARY. THE CONTRACTOR WILL BE RESPONSIBLE TO AMEND THE SWPPP WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION OR MAINTENANCE THAT COULD DISCHARGE POLLUTANTS TO "THE WATERS" AT THE CONSTRUCTION SITE. THE REVISION TO THE SWPPP MUST BE COMPLETED AS SOON AS PRACTICAL AND BEFORE THE NEXT STORM EVENT. ADDITIONAL EROSION AND CONTROL MEASURES MAY ALSO BE REQUESTED BY THE OWNER, LOCAL AUTHORITY, PROJECT ENGINEER, SOIL CONSERVATION SERVICE REPRESENTATIVE OR OEPA AT ANYTIME. SUCH REQUEST SHALL BE IMPLEMENTED IMMEDIATELY AT CONTRACTOR'S EXPENSE.

24. SHOULD AN ACCIDENTAL SPILL OCCUR, IMMEDIATE ACTION WILL BE UNDERTAKEN BY THE GENERAL CONTRACTOR TO CONTAIN AND REMOVE THE SPILLED MATERIAL IMMEDIATELY AND BE DISPOSED OF BY THE CONTRACTOR IN THE MANNER SPECIFIED BY LOCAL, STATE, AND FEDERAL REGULATIONS AND BY THE MANUFACTURER OF SUCH PRODUCTS. AS SOON AS POSSIBLE, ALL SPILLS >25 GALLONS SHALL BE REPORTED TO THE APPROPRIATE STATE AND LOCAL AGENCIES, THIS SHALL INCLUDE THE OHIO EPA AT 800-282-9378, THE LOCAL FIRE DEPARTMENT, THE NATIONAL RESPONSE CENTER AT 800-424-8802 AND THE LORAIN COUNTY OFFICE OF EMERGENCY MANAGEMENT & HOMELAND SECURITY (440-329-5117).

25. UTILITY COMPANIES MUST COMPLY WITH ALL STORM WATER POLLUTION PREVENTION MEASURES AS DEFINED ON THE STORM WATER POLLUTION PREVENTION PLANS, DETAILS AND NOTES.

26. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL SEDIMENT AND EROSION CONTROL ITEMS AT ANY OFF-SITE BORROW OR SPOIL AREAS REQUIRED FOR THIS PROJECT.

HANDLING OF NON-SEDIMENT POLLUTANT SOURCES:
 THE OWNER PERFORMED A VOLUNTARY ACTION AND RECEIVED A NO FURTHER ACTION (NFA) LETTER UNDER THE VOLUNTARY ACTION PROGRAM (VAP) FOR PART OF THIS PROJECT, SPECIFICALLY PARCEL #0900086102105 (AS DESIGNATED ON THE SITE MAPS). THIS PROPERTY HAD PREVIOUSLY BEEN USED AS A SERVICE GARAGE, AUTO BODY SHOP, AND DRY CLEANING FACILITY. THE NFA LETTER PREPARED BY BJAAM ENVIRONMENTAL, INC. CONCLUDES THAT THE CHEMICAL OF CONCERN (COC) LEVELS DID NOT EXCEED ACCEPTABLE LEVELS. RESULTS OF THE REPORT INDICATE THAT NO GENERIC DIRECT CONTACT SOIL STANDARDS (GDCSS) FOR RESIDENTIAL LAND USE, COMMERCIAL/INDUSTRIAL LAND USE OR CONSTRUCTION/EXCAVATION ACTIVITIES WERE EXCEEDED IN ANY SOIL SAMPLES OBTAINED FOR THE SUBJECT PROPERTY.

NEVER THE LESS, IF ANY DISTURBED EARTH IN THIS DESIGNATED AREA IS SUSPECT OF BEING CONTAMINATED EITHER BY SMELL, VISIBLE SHEEN OR ANY OTHER UNUSUAL CHARACTERISTICS AS NOTED BY THE OBSERVER, THEN SPECIAL PRECAUTIONS SHALL BE TAKEN. ADDITIONAL, APPROPRIATE BMP'S SHALL BE USED TO ISOLATE THE RUNOFF FROM ANY SUCH IMPACTED SOILS. VISQUEEN MAY BE USED TO PROTECT ANY SUCH SOILS FROM PRECIPITATION OR STORM WATER RUNOFF, OR BERMS AND TRENCHES MAY BE USED TO COLLECT THE SUSPECT RUNOFF TO BE DISPOSED OF APPROPRIATELY I.E., APPROVED SANITARY SEWER OR TRANSPORTED TO LICENSED TREATMENT FACILITY BY MEANS OF APPROVED CONTAINER. SEE PART III.G.2.g OF THE NPDES CGP FOR ADDITIONAL SPECIFICATIONS. ADDITIONALLY, IF STANDING WATER OR ENCOUNTERED GROUNDWATER IN EXCAVATION PITS OR TRENCHES IS SUSPECT OF HAVING UNUSUAL CHARACTERISTICS LIKE VISIBLE SHEEN OR ODOR AND THESE AREAS NEED TO BE DEWATERED, SPECIAL MEASURES THEN SHALL BE TAKEN. SUSPECT WATER THAT NEEDS TO BE REMOVED FROM THE EXCAVATIONS AND TRENCHES CANNOT LEAVE BY WAY OF SURFACE FLOW OR STORM SEWER, BUT SHOULD BE REMOVED AND DISCHARGED TO APPROVED SANITARY SEWER SYSTEM OR TREATMENT FACILITY, SEE PART III.G.2.g OF THE NPDES CGP. ALL DISPOSAL METHODS AND MEANS OF DISPOSAL OF IMPACTED SOIL AND WATER NEEDS TO BE DONE IN ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES, RULES AND REGULATIONS OF ALL GOVERNING AUTHORITIES HAVING JURISDICTION OF THIS PROJECT. ALL APPLICABLE PERMITS MUST BE OBTAINED BY THE CONTRACTOR.

**INSPECTION AND MAINTENANCE REQUIREMENTS:
 DURING CONSTRUCTION (BY PERMITEE HOLDER(S))**

MAINTENANCE

ALL TEMPORARY AND PERMANENT CONTROL PRACTICES SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ENSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. ALL SEDIMENT CONTROL PRACTICES MUST BE MAINTAINED UNTIL ALL UP SLOPE AREAS THEY CONTROL ARE PERMANENTLY STABILIZED. THE CONTRACTOR SHALL COMPLY WITH THE MAINTENANCE REQUIREMENTS FOR THE PROPOSED EROSION CONTROLS. A WRITTEN DOCUMENT CONTAINING THE SIGNATURES OF ALL CONTRACTORS AND SUB-CONTRACTORS INVOLVED IN THE IMPLEMENTATION OF THE BMPS MUST BE MAINTAINED AS PROOF ACKNOWLEDGING THAT THEY REVIEWED AND UNDERSTAND THE CONDITIONS AND RESPONSIBILITIES OF THE SWPPP.

INSPECTION

TEMPORARY AND PERMANENT SEDIMENTATION AND EROSION CONTROL MEASURES MUST BE INSPECTED WEEKLY AND WITHIN 24 HOURS OF EACH RAIN STORM EVENT THAT PRODUCES 0.5 INCHES OR MORE OF RAIN OVER THE PRECEDING 24 HOUR PERIOD AND LOGGED BY THE OWNER AND CONTRACTOR FOR THE OHIO EPA.

A WRITTEN RECORD DOCUMENTING THE RESULTS OF THESE INSPECTIONS MUST BE MAINTAINED WITH THE SWPPP. DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF OR THE POTENTIAL FOR POLLUTANTS ENTERING THE EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE SWPPP. FURTHERMORE, THE CONTRACTOR SHALL ENSURE THAT THE MEASURES ARE OPERATING CORRECTLY. DISCHARGE LOCATIONS SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION AND SEDIMENT CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO THE RECEIVING WATERS. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF-SITE VEHICLE TRACKING.

- I. **WHEN PRACTICES REQUIRE REPAIR OR MAINTENANCE:**
 IF THE INSPECTION REVEALS THAT A CONTROL PRACTICE IS IN NEED OF REPAIR OR MAINTENANCE, WITH EXCEPTION OF A SEDIMENT SETTLING POND, IT MUST BE REPAIRED OR MAINTAINED WITHIN THREE DAYS OF INSPECTION. SEDIMENT SETTLING PONDS MUST BE REPAIRED OR MAINTAINED WITHIN 10 DAYS OF THE INSPECTION.
- II. **WHEN PRACTICES FAIL TO PROVIDE THEIR INTENDED FUNCTION:**
 IF THE INSPECTION REVEALS THAT A CONTROL PRACTICE FAILS TO PERFORM ITS INTENDED FUNCTION AND THAT ANOTHER, MORE APPROPRIATE CONTROL PRACTICE IS REQUIRED, THE SWP3, MUST BE AMENDED AND THE NEW CONTROL PRACTICE MUST BE INSTALLED WITHIN 10 DAYS OF INSPECTION.
- III. **WHEN PRACTICES DEPICTED ON THE SWP3 ARE NOT INSTALLED:**
 IF THE INSPECTION REVEALS THAT A CONTROL PRACTICE HAS NOT BEEN IMPLEMENTED IN ACCORDANCE WITH THE SWP3, THE SWP3 MUST BE AMENDED AND THE NEW CONTROL PRACTICE MUST BE INSTALLED WITHIN 10 DAYS OF THE INSPECTION. IF THE INSPECTION REVEALS THAT THE PLANNED CONTROL PRACTICE IS NOT NEEDED, THE RECORD MUST CONTAIN A STATEMENT OF EXPLANATION AS TO WHY THE CONTROL PRACTICE IS NOT NEEDED.

AFTER CONSTRUCTION (BY OWNER)

VORTSENTRY HS SYSTEMS (MANUFACTURED BY CONTECH):

THE CONTRACTOR IS RESPONSIBLE TO SUPPLY THE OWNER WITH AN OPERATION & MAINTENANCE MANUAL SUPPLIED BY THE MANUFACTURE UPON COMPLETION OF THE STRUCTURE INSTALLATION AND ACCEPTANCE BY THE OWNER.

1. THE OWNER SHALL VISUALLY INSPECT THE UNIT ON A QUARTERLY BASIS. IT IS RECOMMENDED TO RECORD INSPECTIONS.
2. THIS UNIT SHALL BE CLEANED WHEN THE SEDIMENT HAS ACCUMULATED TO A DEPTH OF TWO FEET IN THE TREATMENT CHAMBER.
 TO DETERMINE SEDIMENT STORAGE:
 - USING A STADIA ROD OR SIMILAR MEASURING DEVICE, MEASURE THE DISTANCE FROM THE MANHOLE OPENING TO THE TOP OF THE SEDIMENT PILE.
 - WITH THE SAME DEVICE, MEASURE THE DISTANCE FROM THE MANHOLE OPENING TO THE WATER SURFACE.
 - IF THE DIFFERENCE BETWEEN THESE MEASUREMENTS IS LESS THAN 4.7 FEET, THIS UNIT WILL NEED TO BE CLEANED.
3. CLEANOUTS SHOULD BE DONE DURING DRY WEATHER & SEDIMENT REMOVAL SHALL BE DONE BY A VACUUM TRUCK.
4. LARGE PETROLEUM SPILLS SHALL BE CLEANED OUT IMMEDIATELY AND WITH THE MOST EFFECTIVE MEANS APPROPRIATE.

SEDIMENTATION TANK AND SAND FILTER:

THIS SYSTEM IS NOT A PRE-MANUFACTURED SYSTEM BUT WAS SPECIFICALLY DESIGNED FOR THIS SITE. THE FOLLOWING INSPECTION AND MAINTENANCE GUIDELINES ARE INTERPRETATIONS FROM THE ODNR RAINWATER & LAND DEVELOPMENT MANUAL:

MONTHLY: REMOVE DEBRIS; CHECK FOR CLOGGING AND SEDIMENT ACCUMULATION ON THE FILTER SURFACE; AND CHECK SEDIMENT CHAMBER IF IT IS MORE THAN 1/2 FULL OF SEDIMENT- CLEAN OUT WITH VACUUM TRUCK OR OTHER MEANS.

SEMI-ANNUALLY: ALL OF THE ABOVE PLUS CHECK FOR STRUCTURAL DAMAGE AND LEAKAGE; REPAIR ANY CRACKS AND MECHANICS AS NEEDED; REPLENISH MATERIAL TO ENSURE FULL 18" DEPTH.

ANNUAL OR AFTER MAJOR STORM EVENTS: ALL OF THE ABOVE AND INSPECT SPILLWAYS AND REPAIR AS NECESSARY. ENSURE PROPER DRAINAGE IS OCCURRING OR SEE NOTE BELOW.

IF AT ANY TIME STANDING WATER IS OCCURRING, RAKE THE TOP OF THE SURFACE, IF THIS DOES NOT AIDE IN WATER DRAW-DOWN REMOVE TOP 6" OF SAND (WITH VACUUM TRUCK OR OTHER MEANS), RAKE REMAINING SAND AND REPLENISH. OTHERWISE COMPLETE REMOVAL IS NECESSARY AND REPLENISH WITH CLEAN/WASHED CONCENTRIC SAND AT 18" DEPTH.

DATE: 3-5-08	BY: TMC
DRAWN BY: TMC	REVISED PER EPA: 1-09-09
CHKD BY: RRB	REVISED PER EPA: 12-05-08
DWG. NAME: 08039-D-SWPP3	REVISED PER CITY: 11-12-08
PATH: LDDT\CONTROL\DWG	REVISED PER CITY & OWNER: 9-26-08
F.B.:	REVISED: 8-12-08
	ORIGINAL ISSUE: 6-16-08

<p>HS ASSOCIATES, INC. 260 Burns Rd., Suite 100 Clevia, Ohio 44035 Phone (440) 365-4730 Fax (440) 365-4790 mailroom@hsassoc.com www.hsassoc.com</p> 

<p>STORM WATER POLLUTION PREVENTION NOTES</p> <p>EAST COLLEGE STREET PROJECT IMPROVEMENT PLANS</p> <p>PART OF ORIGINAL RUSSIA TOWNSHIP LOT NO. 86 CITY OF OBERLIN, COUNTY OF LORAIN, STATE OF OHIO</p>

<p>SHEET 42 (SW-7) OF 42</p>
<p>JOB NO. 08039</p>