Specifications
for
Dust Control

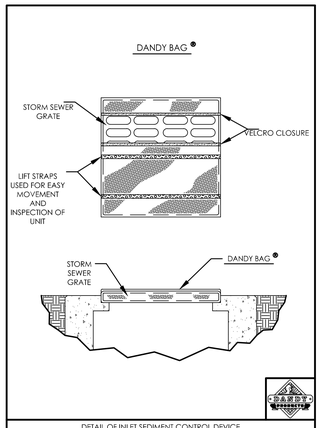
1. Vegetative Cover and/mulch – Apply temporary or permanent seeding and mulch to areas that will remain idle for over 21 days. Saving existing trees and large shrubs will also reduce soil and air movement across disturbed areas. See Temporary Seeding; Permanent Seeding; Mulching Practices; and Tree and Natural Area Protection practices.
2. Watering – Spray site with water until the surface is wet before and during grading and repeat as needed, especially on haul roads and other heavy traffic routes. Watering shall be done at a rate that prevents dust but does not cause soil erosion. Wetting agents shall be utilized according to manufacturers instructions.
3. Spray-On Adhesives – Apply adhesive according to the following table or manufacturers' instructions.

Table 7.5.1 Adhesives for Dust Control

Adhesive	Water Dilution (Adhesive: Water)	Nozzle Type	Application Rate Gal./Ac.
Latex Emulsion	12.5:1	Fine	235
Resin in Water Acrylic Emulsion (Non-traffic)	4:1	Fine	300
Acrylic Emulsion (Non-traffic)	7:1	Coarse	450
Acrylic Emulsion (Traffic)	3.5:1	Coarse	350

4. Stone – Graded roadways and other suitable areas will be stabilized using crushed stone or coarse gravel as soon as practicable after reaching an interim or final grade. Crushed stone or coarse gravel can be used as a permanent cover to provide control of soil emissions.
5. Barriers – Existing windbreak vegetation shall be marked and preserved. Snow fencing or other suitable barrier may be placed perpendicular to prevailing air currents at intervals of about 15 times the barrier height to control air currents and blowing soil.
6. Calcium Chloride - This chemical may be applied by mechanical spreader as loose, dry granules or flakes at a rate that keeps the surface moist but not so high as to cause water pollution or plant damage. Application rates should be strictly in accordance with suppliers' specified rates.
7. Operation and Maintenance - When Temporary Dust Control measures are used; repetitive treatment should be applied as needed to accomplish control.

   Street Cleaning - Paved areas that have accumulated sediment from construction should be cleaned daily, or as needed, utilizing a street sweeper or bucket -type endloader or scraper.



DETAIL OF INLET SEDIMENT CONTROL DEVICE

PROJECT:		DR. BY:
CITY/STATE:	DATE:	DR. NO:

DANDY BAG®
SPECIFICATIONS

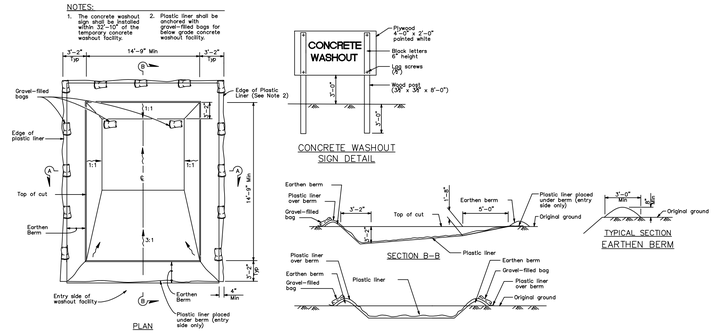
NOTE: THE DANDY BAG® WILL BE MANUFACTURED IN THE U.S.A. FROM A WOVEN MONOFILAMENT FABRIC THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS:

HI-FLOW DANDY BAG® (SAFETY ORANGE)

Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	kN (lbs)	1.62 (365) X 0.89 (200)
Grab Tensile Elongation	ASTM D 4632	%	24 X 10
Puncture Strength	ASTM D 4833	kN (lbs)	0.40 (90)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	3097 (450)
Trapezoid Tear Strength	ASTM D 4533	kN (lbs)	0.51 (115) X 0.33 (75)
UV Resistance	ASTM D 4355	%	90
Apparent Opening Size	ASTM D 4751	mm (US Std Sieve)	0.425 (40)
Flow Rate	ASTM D 4491	l/min/m² (gal/min/ft²)	5907 (145)
Permittivity	ASTM D 4491	Sec⁻¹	2.1

*Note: All Dandy Bags® can be ordered with our optional oil absorbent pillows

NOTES:
1. The concrete washout sign shall be installed adjacent to the entrance of the temporary concrete washout facility.
2. Plastic liner shall be anchored and gravel-filled bags for below grade concrete washout facility.



TEMPORARY CONCRETE WASHOUT
NO SCALE

NON-SEDIMENT POLLUTANT CONTROL NOTES

1. ANY AND ALL WASTE MATERIALS (SOLID, HAZARDOUS, TOXIC, CONTAMINATED SOILS, ETC) GENERATED AT THE SITE SHALL BE PROPERLY DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL RULES AND REGULATIONS. ON–SITE STORAGE CONTAINERS SHALL BE COVERED AND NOT LEAKING. IT IS PROHIBITED TO BURN, BURY OR POUR OUT ON THE GROUND OR INTO THE SEWERS ANY SOLVENTS, PAINTS, GASOLINE, DIESEL FUEL, MOTOR OIL, HYDRAULIC FLUID, ANTIFREEZE, CURING COMPOUND, OR ANY OTHER TOXIC OR HAZORDOUS WASTES.

2. ALL CLEAN HARD FILL MUST BE FREE FROM CONTAMINATION.

3. ALL CLEAN CONSTRUCTION WASTES TO BE DISPOSED OF ON THE PROPERTY MUST BE DONE SO IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL RULES AND REGULATIONS.

4. ALL CONSTRUCTION AND DEMOLITION DEBRIS (C&DD) WASTE WILL BE DISPOSED OF IN AN OHIO EPA APPROVED C&DD LANDFILL AS REQUIRED BY OHIO REVISED CODE (ORC) 3714. NOTE: CONSTRUCTION DEBRIS MAY BE DISPOSED OF ON SITE, BUT DEMOLITION DEBRIS MUST BE DISPOSED OF IN AN OHIO EPA APPROVED LANDFILL. MATERIALS WHICH MAY CONTAIN ASBESTOS MUST COMPLY WITH AIR POLLUTION REGULATIONS (SEE OHIO ADMINISTRATIVE CODE 3745–20).

5. IF THE CONTRACTOR WILL UTILIZE AN ABOVE GROUND STORAGE TANK (AST) OF 660 GALLONS OR MORE, TOTAL ABOVE GROUND TANK STORAGE OF 1,330 GALLONS, OR BELOW GROUND STORAGE OF 42,000 GALLONS OF FUEL, HE SHALL SUBMIT A SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN TO THE CITY FOR APPROVAL PRIOR TO CONSTRUCTION.

6. ALL CONTAMINATED SOILS MUST BE TREATED AND/OR DISPOSED IN OHIO EPA APPROVED SOLID WASTE MANAGEMENT FACILITIES OR HAZARDOUS WASTE TREATMENT, STORAGE, OR DISPOSAL FACILITIES (TSDFS).

7. ALL AREAS OF CONTAMINATION SHALL BE COVERED WITH TARPS OR OTHER METHODS THAT PREVENT STORM WATER FROM COMING IN CONTACT WITH THE MATERIAL.

8. PETROLEUM BASED CONCRETE CURING COMPOUNDS MUST HAVE SPECIAL HANDLING PROCEDURES.

9. IN THE EVENT OF A LARGER RELEASE (25 OR MORE GALLONS) OF PETROLEUM WASTE, CONTRACTOR MUST CONTACT OHIO EPA (AT 1–800–282–9378), THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE (LEPC) WITHIN 30 MINUTES OF A SPILL OF 25 OR MORE GALLONS.

10. OPEN BURNING IN AN UNRESTRICTED AREA IS LIMITED TO SCRAP LUMBER, WOODEN FENCE POSTS, AGRICULTURAL, LAND CLEARING, OR LANDSCAPE WASTES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCAL ORDINANCES, CONTACTING FIRE DEPARTMENTS AND OBTAINING PERMITS FOR OPEN BURNING.

11. DUST SUPPRESSANTS SHALL BE USED IN CASES OF EXCESSIVE DUST. OIL MAY NOT BE USED AS A DUST SUPPRESSANT. DUST SUPPRESSANT MUST NOT BE STORED NEAR CATCH BASINS OR OTHER DRAINAGE WAYS.

12. THE NPDES CONSTRUCTION STORM WATER GENERAL PERMIT ONLY AUTHORIZES THE DISCHARGE OF STORM WATER AND CERTAIN UNCONTAMINATED NON–STORM WATERS. THE DISCHARGE OF NON–STORM WATERS TO WATERS OF THE STATE MAY BE IN VOLATION OF LOCAL, STATE, AND FEDERAL LAWS OR REGULATIONS. ALL PROCESS WASTEWATERS (EQUIPMENT WASHING, LEACHATE ASSOCIATED WITH ON–SITE WASTE DISPOSAL, AND CONCRETE WASHOUTS) SHALL BE COLLECTED AND DISPOSED OF PROPERLY.

13. WASH OUT OF CEMENT TRUCKS SHOULD OCCUR IN THE DESIGNATED AREA WHERE THE WASHING CAN COLLECT AND BE DISPOSED OF PROPERLY WHEN THEY HARDEN.

14. FUEL STORAGE TANKS SHOULD BE LOCATED IN DIKED AREAS AWAY FROM DRAINAGE CHANNELS . THE DIKED AREAS SHOULD HOLD A VOLUME AT LEAST 110% OF THE LARGEST TANK. THE DIKED AREAS ARE NOT NECESSARY IF CONTRACTOR USES SELF –CONTAINED SPILL PROOF TANKS.

SEDIMENT & EROSION CONTROL NOTES

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES MUST CONFORM TO THE SPECIFICATIONS OF RAINWATER AND LAND DEVELOPMENT OHIO STANDARDS FOR STORM WATER MANAGEMENT, LAND DEVELOPMENT, URBAN STREAM PROTECTION, CURRENT CD ITEM.

2. CONSTRUCTION ACTIVITIES SHALL BE SCHEDULED SUCH THAT A MINIMUM AREA OF THE SITE IS DISTURBED AT A TIME. CONSTRUCTION OPERATION SHALL BE SCHEDULED AND PERFORMED SO THAT PREVENTATIVE SOIL EROSION CONTROL MEASURES ARE IN PLACE PRIOR TO EXCAVATION IN CRITICAL AREAS AND TEMPORARY STABILIZATION MEASURES ARE IN PLACE IMMEDIATELY FOLLOWING BACKFILLING OPERATIONS. CONTRACTOR SHALL REDUCE EFFECTS OF STORM WATER BY USING AND/OR MAINTAINING GRASSED SWALES, INFILTRATION STRUCTURES, OR WATER DIVERSIONS.

3. SPECIAL PRECAUTIONS WILL BE TAKEN IN THE USE OF CONSTRUCTION EQUIPMENT TO PREVENT SITUATIONS THAT PROMOTE EROSION.

4. CLEANUP WILL BE DONE IN A MANNER TO ENSURE THAT EROSION CONTROL MEASURES ARE NOT DISTURBED.

5. TEMPORARY SOIL STABILIZATION SHALL OCCUR WITHIN 7 DAYS AFTER ROUGH GRADING IF THE AREA WILL REMAIN IDLE LONGER THAN 14 DAYS. ANY DISTURBED AREA THAT IS NOT GOING TO BE WORKED FOR 14 DAYS OR MORE MUST BE SEEDED AND MULCHED BY NOVEMBER 1 OR MUST HAVE A DORMANT SEEDING OR MULCH COVER APPLIED BETWEEN OCTOBER 30 AND MARCH 1. .

6. TRENCHES FOR UNDERGROUND UTILITY LINE AND PIPES SHALL BE TEMPORARILY STABILIZED WITHIN 7 DAYS IF THEY ARE TO REMAIN INACTIVE FOR 14 DAYS. TRENCH DEWATERING DEVICES SHALL DISCHARGE IN A MANNER THAT FILTERS SOIL–LADEN WATER BEFORE DISCHARGING IT TO A RECEIVING DRAINAGE DITCH OR POND. IF SEEDING, MULCHING OR OTHER EROSION AND SEDIMENT CONTROL MEASURES WERE PREVIOUSLY INSTALLED; THOSE PROTECTIVE MEASURES SHALL BE REINSTALLED. PIPELINES WITH JOINTS THAT ALLOW A MANUFACTURED LENGTH OF PIPE TO BE PLACED IN THE TRENCH WITH THE PIPE JOINT ASSEMBLED/MADE IN THE TRENCH REQUIRE AN OPEN PIPELINE TRENCH THAT IS ONLY SLIGHTLY LONGER THAN THE LENGTH OF PIPE BEING INSTALLED. THE TOTAL LENGTH OF EXCAVATED TRENCH OPEN AT ANY TIME SHOULD NOT BE GREATER THAN THE TOTAL LENGTH OF PIPELINE/UTILITY THAT CAN BE PLACED IN THE TRENCH AND BACK–FILLED IN ONE WORKING DAY. NO MORE THAN 50 LINEAL FEET OF OPEN TRENCH SHOULD EXIST WHEN PIPELINE/UTILITY LINE INSTALLATION CEASES AT THE END OF THE WORK DAY.

7. SOIL STOCKPILES SHALL BE STABILIZED OR PROTECTED TO PREVENT SOIL LOSS.

8. ALL DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED WITHIN 7 DAYS OF FINAL GRADING. FURTHER, SOIL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL PERMANENT STABILIZATION IS COMPLETE, AT WHICH TIME TEMPORARY MEASURES WILL BE REMOVED. PERMANENT VEGETATION IS A GROUND COVER DENSE ENOUGH TO COVER 80% OF THE SOIL SURFACE AND MATURE ENOUGH TO SURVIVE WINTER WEATHER CONDITIONS.

9. SILT FENCE TO BE 2' MINIMUM FROM PROPERTY LINES IN AREAS WHERE WORK IS NEAR ADJACENT PROPERTIES.

10. HAUL ROUTES– THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEANUP OF ANY MUD, DIRT, OR DEBRIS DEPOSITED ON HAUL ROADS AS A RESULT OF HIS OPERATIONS. SOIL SHALL BE REMOVED FROM ROADS AND PAVED SURFACES AT THE END OF EACH DAY IN SUCH A MANNER THAT DOES NOT CREATE OFF–SITE SEDIMENTATION IN ORDER TO ENSURE SAFETY AND ABATE OFF–SITE SOIL LOSS. COLLECTED SEDIMENTS SHALL BE PLACED IN A STABLE LOCATION ON SITE OR TAKEN OFF–SITE TO A STABLE LOCATION. CONTRACTOR SHALL USE STATE ROUTES (AND SHORTEST DISTANCE NON–STATE ROUTES) FOR PROJECT HAUL ROUTE.

11. FOR DISTURBED AREAS WITHIN 50 FEET OF A STREAM REMAINING DORMANT FOR OVER 14 DAYS, TEMPORARY EROSION CONTROLS SHALL BE APPLIED WITHIN 2 DAYS.

12. FOR DISTURBED AREAS OVER 50 FEET AWAY FROM A STREAM REMAINING DORMANT FOR OVER 14 DAYS, TEMPORARY EROSION CONTROLS SHALL BE APPLIED WITHIN 7 DAYS.

13. FOR DISTURBED AREAS THAT WILL BE LEFT IDLE OVER WINTER, TEMPORARY EROSION CONTROLS SHALL BE APPLIED PRIOR TO ONSET OF WINTER.

14. FOR DISTURBED AREAS WITHIN 50 FEET OF A STREAM AT FINAL GRADE, PERMANENT EROSION CONTROLS SHALL BE APPLIED WITHIN 2 DAYS OF REACHING FINAL GRADE.

15. FOR DISTURBED AREAS REMAINING DORMANT FOR OVER 1 YEAR OR AT FINAL GRADE, PERMANENT EROSION CONTROLS SHALL BE APPLIED WITHIN 7 DAYS.

16. SEDIMENT CONTROL DEVICES SHALL BE IMPLEMENTED FOR ALL AREAS REMAINING DISTURBED FOR OVER 14 DAYS.

17. SEDIMENT CONTROLS SHALL BE INSTALLED/IMPLEMENTED WITHIN 7 DAYS OF GRUBBING ACTIVITIES.

18. THE SEDIMENT STORAGE ZONE OF THE SILT TRAPS AND BASINS SHALL BE CLEANED OUT WHEN THE SILT OCCUPIES 40 PERCENT OF THE SEDIMENT STORAGE ZONE (APPROXIMATELY ONE–HALF OF THE SEDIMENT STORAGE ZONE DEPTH).

19. ALL SILT TRAPS AND SEDIMENTATION BASINS SHALL BE SURROUNDED BY ORANGE CONSTRUCTION FENCING.

INSPECTIONS

1. WEEKLY INSPECTIONS OF BMPS ARE REQUIRED AS WELL AS AN INSPECTION WITHIN 24 HOURS AFTER EVERY RAIN EVENT OF 0.5 INCHES WITHIN A 24 HOUR PERIOD.
2. IF THE SITE WILL BE DORMANT FOR A LONG PERIOD, IT'S STABILIZED, AND LESS FREQUENT INSPECTIONS ARE DESIRED, A WAIVER REQUEST SHALL BE SUBMITTED TO OEPA FOR A REDUCTION TO MONTLY INSPECTIONS.
3. ONLY "QUALIFIED INSPECTION PERSONNEL" WILL PERFORM THE INSPECTIONS.
4. AN INSPECTION CHECKLIST WILL BE COMPLETED AND SIGNED BY THE INSPECTOR AFTER EVERY INSPECTION.
5. INSPECTION RECORDS WILL BE KEPT FOR 3 YEARS AFTER TERMINATION OF CONSTRUCTION ACTIVITIES.
6. FOR BMPS THAT REQUIRE REPAIR OR MAINTENANCE, NON–SEDIMENT POND BMPS SHALL BE REPAIRED WITHIN 3 DAYS OF INSPECTION AND SEDIMENT PONDS SHALL BE REPAIRED OR CLEANED OUT WITHIN 10 DAYS OF INSPECTION.
7. IN THE CASE THAT A BMP DOES NOT MEET THE INTENDED FUNCTION, A NEW BMP WILL BE INSTALLED WITHIN 10 DAYS OF THE INSPECTION.
8. IF ANY BMP REQUIRED FOR INSTALLATION BY THE SWP3 IS MISSING, THE MISSING BMPS SHALL BE INSTALLED WITHIN 10 DAYS OF THE INSPECTION.

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BID SET
Not For Construction

revision	date	issued
1	06/14/2019	ADDENDUM #1
2	06/18/2019	ADDENDUM #2

seal

issue date 06.19.2019
project number c18514

sheet name
SWPPP DETAILS

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C3.00

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