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**PROJECT GENERAL NOTES:**

1. UTILITIES
2. CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND PAY ALL REQUIRED FEES RELATED TO UTILITY WORK.
3. CONTRACTOR SHALL INSPECT AND VIDEO CONDITION OF ALL SEWERS TO REMAIN PER MSD & SMU REGULATIONS AND AS DIRECTED BY CONSTRUCTION MANAGER. PRIOR TO START AND AFTER COMPLETION OF CONSTRUCTION, ALL MATERIALS PERTAINING TO COMBINED OR SANITARY SEWERS MUST BE SUBMITTED TO MSD FOR APPROVAL. ALL MATERIAL PERTAINING TO STORM SEWERS MUST BE SUBMITTED TO STORMWATER MANAGEMENT FOR APPROVAL. PRIOR TO STARTING ANY WORK, VERIFY STATUS OF ALL SEWERS AFFECTED BY WORK OF THIS PROJECT WITH CONSTRUCTION MANAGER AND MSD FIELD ENGINEER, AND SMU FIELD ENGINEER. A STORMWATER MANAGEMENT UTILITY (SMU) PERMIT IS REQUIRED FOR WORK ON STORM SEWERS. AS-BUILT DRAWINGS SHALL BE SUBMITTED UPON THE COMPLETION OF ANY SANITARY AND STORM SEWER WORK. SEWERS INDICATED TO BE FILLED, SEALED AND ABANDONED, OR REMOVED SHALL BE DONE SO IN ACCORDANCE WITH ITEM 202 OF THE CITY OF CINCINNATI SUPPLEMENT. MANHOLES, CATCH BASINS, AND INLETS INDICATED TO BE REMOVED OR ABANDONED SHALL BE DONE SO IN ACCORDANCE WITH THE SAME. REFER TO SEWER DRAWINGS AND SPECIFICATIONS.
4. PRIOR TO EXCAVATION AND EARTHWORK, VERIFY LOCATIONS OF UNDERGROUND UTILITIES WITH THE UTILITY COMPANIES AND CONSTRUCTION MANAGER. SURVEY OR CAREFULLY EXCAVATE TO ESTABLISH EXACT UTILITY LOCATIONS. UTILITY LOCATIONS SHOWN ON THE DRAWING ARE ONLY APPROXIMATE AND CANNOT BE USED TO ASSURE THE CONTRACTOR OF ADEQUATE CLEARANCE IN CASE OF CLOSE PROXIMITY. COORDINATE ALL WORK WITH THE UTILITIES TO ASSURE UNINTERRUPTED FUNCTION OF UTILITIES TO REMAIN.
5. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE UNDERGROUND UTILITY PROTECTION SERVICE (OUPS 1-800-362-2764) AND OWNERS OF UNDERGROUND UTILITIES NOT REGISTERED WITH OUPS AT LEAST TWO (2) WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION WORK FOR THE PURPOSE OF SECURING A STAKED PATH OF RESPECTIVE UTILITIES AND WITH THE APPROXIMATE DEPTH INDICATED ON STAKES.
6. ACTIVE UTILITIES SHALL BE ADEQUATELY PROTECTED FROM DAMAGE. WHERE ACTIVE UTILITIES ARE ENCOUNTERED BUT NOT SHOWN ON THE DRAWINGS, CONTRACTOR SHALL NOTIFY CONSTRUCTION MANAGER, ARCHITECT AND UTILITY OWNER IMMEDIATELY BEFORE PROCEEDING. WORK SHALL BE PROTECTED, SUPPORTED, OR RELOCATED AS DIRECTED, AND THE CONTRACT SUM ADJUSTED ACCORDINGLY, IF APPLICABLE.
7. INACTIVE AND ABANDONED UTILITIES ENCOUNTERED BUT NOT SHOWN ON THE DRAWINGS SHALL ALSO BE REPORTED IMMEDIATELY TO THE CONSTRUCTION MANAGER, ARCHITECT AND UTILITY OWNER. SUCH UTILITIES SHALL THEN BE REMOVED, PLUGGED, OR CAPPED AS DIRECTED. IN THE ABSENCE OF SPECIFIC REQUIREMENTS, PLUG OR CAP SUCH UTILITIES AS REQUIRED BY THE UTILITY OWNER.
8. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING OVERHEAD AND UNDERGROUND UTILITIES ON THE SITE. DAMAGE TO EXISTING UTILITIES SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.
9. PLUMBING PERMIT AND INSPECTION IS REQUIRED FROM THE CITY OF CINCINNATI PLUMBING DIVISION FOR ALL SANITARY AND STORM PIPING LOCATED ON PRIVATE PROPERTY.
10. PROVIDE MONITORED, CONTROLLED EXCAVATION FOR ALL EXCAVATIONS.
11. THE FOLLOWING IS A LIST OF THE REPRESENTED UTILITY OWNERS ON OR ADJACENT TO THE SITE:  
  
OHIO UTILITIES PROTECTION SERVICE (OUPS)  
PO BOX 729  
12467 MAHONING AVENUE  
NORTH JACKSON, OHIO 44451  
(800) 362-2764  
  
CITY OF CINCINNATI - DOTE  
CITY HALL RM. 425  
801 PLUM STREET  
CINCINNATI, OHIO 45202-1979  
  
DUKE ENERGY CORPORATION (GAS & ELECTRIC)  
139 E 4TH ST  
CINCINNATI, OH 45202 CINCINNATI, OHIO 45202  
(513) 544-6900 / 1-800-262-3000  
  
CINCINNATI BELL TELEPHONE  
221 E. FOURTH STREET  
CINCINNATI, OHIO 45202  
(513) 665-2210  
  
METROPOLITAN SEWER DISTRICT (MSD)  
1500 GEST STREET  
CINCINNATI, OHIO 45204  
(513) 352-4900 / (513) 244-1300  
  
CITY OF CINCINNATI  
STORMWATER MANAGEMENT UTILITY (SMU)  
225 W. GALEBRATH ROAD  
CINCINNATI, OHIO 45216  
(513) 352-4287

**B. EROSION CONTROL (DRAWINGS C201 & C202)**

1. FOR ALL AREAS OF DISTURBED EARTH, THE CONTRACTOR SHALL PROVIDE EROSION CONTROL MEASURES IN ACCORDANCE WITH ODOT ITEMS 670 & 671 AND ODOT STANDARD DRAWINGS DM-4.3 AND DM-4.4.
2. BEST MANAGEMENT PRACTICES: THE PROJECT'S STORM WATER POLLUTION PREVENTION PLAN WILL BE REQUIRED TO DETAIL THE PROJECT SPECIFIC SOIL EROSION PREVENTION MEASURES. THE CONTRACTOR SHALL FOLLOW BEST MANAGEMENT PRACTICES (BMP'S) FOR SEDIMENT AND EROSION CONTROL DURING CONSTRUCTION AND POST-CONSTRUCTION IN ACCORDANCE WITH THE ODOT CMS SECTION 107.19 AND SUPPLEMENTAL SPECIFICATIONS 832 DATED 5/8/09. ANY IN-PLACE EROSION CONTROL PROVISION THAT IS DAMAGED IS TO BE REPLACED/REPAIRED IMMEDIATELY BY THE CONTRACTOR CAUSING THE DAMAGE.

**C. BENCHMARKS**

1. PROJECT CONTROL SHALL BE PROVIDED BY CONSTRUCTION MANAGER. THE CONTRACTOR SHALL SET ADDITIONAL BENCHMARKS AS NECESSARY.

**D. SAFETY**

1. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
2. THE DUTY OF THE ARCHITECT AND ENGINEER TO CONDUCT CONSTRUCTION REVIEW OF CONTRACTORS PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF ADEQUACY OF CONTRACTOR'S SAFETY MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE.

**SITE AND DEMO DRAWING NOTES:**

1. EXISTING MEHRING WAY. MAINTAIN TRAFFIC.
2. EXISTING SIDEWALK. MAINTAIN PEDESTRIAN TRAFFIC.
3. EXISTING LOT E. MAINTAIN ACCESS.
4. EXISTING BRIDGE SUPPORTS AND FOUNDATIONS. DO NOT DISTURB.
5. NOTE: REMOVE ALL DEBRIS FROM UNDER BRIDGE SUPPORTS (METAL, TREES AND BRUSH, CONCRETE DEADMAN, ETC.).
6. EXISTING BLOCK WALL (THREE TO FOUR COURSES HIGH). REMOVE AND DISPOSE OF PROPERLY.
7. EXISTING TREES. DO NOT DISTURB AND PROTECT DURING CONSTRUCTION.
8. EXISTING ONE STORY BLOCK OFFICE BUILDING TO REMAIN. DO NOT DISTURB AND PROTECT DURING CONSTRUCTION. COORDINATE UTILITIES WITH CONSTRUCTION MANAGER.
9. MEHRING WAY CONSTRUCTION ENTRANCE (SMITH STREET AND WATER STREET).
10. EXISTING CONCRETE DEADMAN TO REMAIN ON SITE AND RELOCATE AS DIRECTED BY CONCRETE MANAGER (SEE NOTE 26 BELOW ALSO).
11. EXISTING MULTI STORY METAL CONCRETE PLANT BUILDING AND ADJOINING STRUCTURE TO BE REMOVED DOWN TO TOP OF FOUNDATION AND DISPOSED OF PROPERLY.
12. EXISTING METAL TOWER SUPPORTS FOR CONVEYOR SYSTEM AND PIER FOUNDATIONS TO BE REMOVED TO 6" MINIMUM BELOW GRADE/SLAB AND DISPOSE OF PROPERLY. ALL DEBRIS AT BASE OF TOWERS TO BE REMOVED ALSO.
13. EXISTING OVERHEAD CONVEYOR SYSTEM TO BE REMOVED AND DISPOSED OF PROPERLY.
14. EXISTING HOPPER TO BE REMOVED DOWN TO TOP OF FOUNDATION AND DISPOSED OF PROPERLY.
15. EXISTING ELECTRICAL UTILITY POLES TO REMAIN. PROTECT DURING CONSTRUCTION.
16. EXISTING MANHOLES TO REMAIN. PROTECT DURING CONSTRUCTION.
17. EXISTING CATCH BASINS TO REMAIN. PROTECT DURING CONSTRUCTION.
18. EXISTING WATER VALVE AND LINE. COORDINATE UTILITY SERVICE WITH WATER WORKS AND CONSTRUCTION MANAGER PRIOR TO ANY SITE WORK OR DEMOLITION.
19. EXISTING FIREHYDRANT TO REMAIN.
20. EXISTING WASHOUT SHED, AND PERIMETER FENCING TO BE REMOVED COMPLETELY. BACKFILL IN COMPACTED, TESTED LIFT.
21. EXISTING ISLAND AND TREES TO BE REMOVED AND DISPOSED OF PROPERLY.
22. EXISTING RETAINING WALL AND RAMP TO REMAIN.
23. EXISTING CONCRETE RAMP DOWN TO RIVER LOADING DOCK TO REMAIN. PROVIDE CONCRETE DEADMAN AT TOP OF RAMP AS DIRECTED BY CONSTRUCTION MANAGER.
24. EXISTING ELECTRICAL TRANSFORMER TO REMAIN. PROTECT DURING CONSTRUCTION.
25. EXISTING GAS METER AND LINES TO REMAIN. COORDINATE UTILITY SERVICE WITH DUKE ENERGY AND CONSTRUCTION MANAGER PRIOR TO ANY SITE WORK OR DEMOLITION.
26. CONCRETE DEADMAN STORAGE ZONE. STACK NEATLY IN ONE DIRECTION.
27. ELECTRICAL TRANSFORMER TO BE REMOVED. COORDINATE UTILITY SERVICE WITH DUKE ENERGY AND CONSTRUCTION MANAGER PRIOR TO ANY SITE WORK OR DEMOLITION.
28. EXISTING BRICK WALL ENTRY SIGNS TO BE REMOVED AND DISPOSED OF PROPERLY.
29. EXISTING UNDERGROUND DIESEL FUEL TANK, ISLANDS AND BOLLARDS TO REMAIN. REMOVE CONCRETE PIECES, BRICK, DEBRIS, DIRT, ETC. AND DISPOSE OF PROPERLY.
30. REMOVE EXISTING SCALE RAMPS AND DISPOSE OF PROPERLY. COORDINATE CONCRETE DEADMAN STORAGE IN THIS ZONE.

**1 SITE PLAN**  
C101 1" = 30'-0"

**Hamilton County**  
OHIO

**THP**  
THP Limited  
100 East Eighth Street  
Cincinnati, Ohio 45202  
513.241.3222  
THPLTD.com

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**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

ISSUES/REVISIONS	ISSUES/REVISIONS
1	02/28/2025

TECHNICIAN  
P. BELLMAN  
PROJECT MANAGER  
M. MONROE  
PRINCIPAL  
J. JONES  
CHECKED BY  
M. MONROE

HILLTOP LOT

DRAWING TITLE  
SITE AND DEMOLITION PLAN

JOB NUMBER  
25041.00  
DRAWING NUMBER  
C101

DATE  
02/28/2025





**EROSION CONTROL LEGEND**

- IP INLET PROTECTION PER DETAILS 3/C202 & 4/C202
- Filter Sock PER DETAIL 2/C202
- TP TREE PROTECTION PER DETAIL 5/C202
- Construction Entrance PER DETAIL 1/C202
- ..... LIMITS OF DISTURBANCE

**NOTES**

1. REFER TO SHEET C101 FOR SITE ITEMS, BUILDINGS, AND INFRASTRUCTURE TO BE DEMOLISHED.

**\*\*NOTE THAT SURVEY BASEMAP IS BASED ON A COMPILATION OF: MSP ALTA SURVEY DATED 12/10/24 CLS TOPO RECEIVED 02/21/25\*\***



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**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

ISSUE/REVISIONS		ISSUE/REVISIONS (CONTINUED)
1	02/28/2025	1.001 001
2	02/28/2025	1.002 002
3	02/28/2025	1.003 003
4	02/28/2025	1.004 004
5	02/28/2025	1.005 005
6	02/28/2025	1.006 006
7	02/28/2025	1.007 007
8	02/28/2025	1.008 008
9	02/28/2025	1.009 009
10	02/28/2025	1.010 010
11	02/28/2025	1.011 011
12	02/28/2025	1.012 012
13	02/28/2025	1.013 013
14	02/28/2025	1.014 014
15	02/28/2025	1.015 015
16	02/28/2025	1.016 016
17	02/28/2025	1.017 017
18	02/28/2025	1.018 018
19	02/28/2025	1.019 019
20	02/28/2025	1.020 020

TECHNICIAN  
P. BELLMAN  
PROJECT MANAGER  
M. MONROE  
PRINCIPAL  
J. JONES  
CHECKED BY  
M. MONROE

FOR THE BOARD OF COMMISSIONERS  
OF  
HAMILTON COUNTY,  
OHIO  
HILLTOP LOT

DRAWING TITLE  
EROSION CONTROL AND  
STORMWATER POLLUTION  
PREVENTION PLAN

JOB NUMBER  
25041.00  
DATE  
02/28/2025  
DRAWING NUMBER  
C201



**NOTE:**  
UNDERGROUND UTILITIES ARE PLOTTED FROM A COMPILATION OF AVAILABLE RECORD INFORMATION AND SURFACE INDICATIONS OF UNDERGROUND STRUCTURES AND MAY NOT BE INCLUSIVE. PRECISE LOCATIONS AND THE EXISTENCE OR NON EXISTENCE OF UNDERGROUND UTILITIES CANNOT BE VERIFIED. PLEASE NOTIFY THE OHIO UTILITY PROTECTION SERVICE AT 811 OR 1-800-362-2764 BEFORE ANY PERIOD OF EXCAVATION OR CONSTRUCTION ACTIVITY.



CIVIL ENGINEERING  
www.kleingers.com  
SURVEYING  
6219 Centine Park Dr.  
West Chester, OH 45389  
LANDSCAPE ARCHITECTURE  
513.779.7851



PROJECT DATA  
PROJECT DESCRIPTION  
DEMOLITION OF EXISTING BUILDINGS, INFRASTRUCTURE, AND SITE ITEMS FOR FUTURE DEVELOPMENT

LATITUDE: N 39°05'36.57"  
LONGITUDE: W 94°51'09.71"  
ESTIMATED CONSTRUCTION DATES: SUMMER 2025  
TOTAL SITE AREA: 10.32 ACRES  
TOTAL DISTURBED AREA: <1 ACRES  
IMMEDIATE RECEIVING WATER/MS4: LOCAL SEWER  
ULTIMATE RECEIVING STREAM: OHIO RIVER  
EXISTING LAND USE: INDUSTRIAL

SOILS:  
U0 - URBAN LAND, 0 TO 12 PERCENT SLOPES, OCCASIONALLY FLOODED  
ULHXCO - URBAND LAND-UDORHTENTS COMPLEX, X, 0 TO 12 PERCENT SLOPES, OCCASIONALLY FLOODED  
ULXUF - URBAND LAND-UDORHTENTS COMPLEX, SMOOTHED, 0 TO 50 PERCENT SLOPES

EMERGENCY ACTION & SPILL PREVENTION PLAN

THE SCOPE OF WORK COVERED BY THIS PLAN INCLUDES EMERGENCY RESPONSE TO SPILLS, CONTAINMENT OF SPILLED LIQUIDS, EMERGENCY NOTIFICATION NUMBERS, AND SOIL EXCAVATION FOR SPILL CLEAN-UP.

IN THE EVENT OF A SPILL EVENT THE EMPLOYEE SHALL ASSESS THE SPILL AND IMMEDIATELY NOTIFY THE SAFETY OFFICER AND SUPERVISOR IN CHARGE, OR OTHER INDIVIDUALS AS LISTED BELOW.

TITLE	NAME	PHONE NUMBER
SITE SUPERINTENDENT		
PROJECT ENGINEER		

IMMEDIATELY AFTER NOTIFICATION, THE EMPLOYEE WILL BE DIRECTED BY THE SAFETY OFFICER, OR RESPONSIBLE PARTY TO START CONTAINMENT PROCEDURES TO PREVENT THE MATERIAL FROM REACHING THE STORM SEWERS, DRAINAGE DITCH AND OTHER OUTLETS USING THE FOLLOWING ACTIONS OR ANY OTHER MEANS NECESSARY WITHOUT COMPROMISING WORKER SAFETY:

- 1) CLEAR PERSONNEL FROM THE SPILL AREA AND ROPE OFF AREA.
- 2) STOP THE SPILL.
- 3) USE SORBENT MATERIALS, PLUG PUTTY, OR HOLE PUTTY AS NECESSARY TO CONTROL THE SPILL AT THE SOURCE.
- 4) CONSTRUCT A TEMPORARY CONTAINMENT DIKE OF SORBENT MATERIALS OR DIRT TO CONTAIN SPILL.

SPILL KITS WILL BE LOCATED ON THE PROJECT AS DESIGNATED ON THE SWPPP PLAN.

UPON COMPLETION OF CONTAINMENT OPERATIONS, PROPER CLEAN-UP PROCEDURES WILL BE IMPLEMENTED IN ACCORDANCE WITH REGULATORY PROCEDURES.

IF THE SPILL EXCEEDS 25 GALLONS, THE FOLLOWING ORGANIZATIONS SHALL BE CONTACTED WITHIN 30 MINUTES OF THE INCIDENT:

EMERGENCY CONTACTS:

OHIO EPA EMERGENCY RESPONSE CENTER 800-282-9378 (24-HOUR PHONE NO.)

GENERAL NOTES

THE CONTRACTOR IS HEREBY ADVISED THAT STRICTER POLLUTION CONTROL STANDARDS AND ENFORCEMENT HAVE BEEN IMPOSED BY THE OHIO EPA SINCE MARCH 10, 2003 AND WITH REVISIONS IN APRIL 2018 AND IN APRIL 2023. ALSO, MANY PRIVATE CITIZEN ENVIRONMENTAL GROUPS, WHO HAVE BEEN KNOWN TO FILE CIVIL LEGAL ACTIONS, ARE PRESENT IN THE AREA AND OBSERVE ALL CONSTRUCTION OPERATIONS.

THE CONTRACTOR SHALL INFORM ALL SUBCONTRACTORS OF THE REQUIREMENTS AND RESPONSIBILITIES OF THE SWPPP AND SHALL DOCUMENT ALL SUCH NOTIFICATIONS AND/OR DISCUSSIONS.

THE CONTRACTOR WILL BE REQUIRED TO PARTICIPATE IN SEDIMENT AND EROSION CONTROL INSPECTIONS ON A WEEKLY BASIS AND SIGN AN APPROVED INSPECTION SHEET THAT SHALL BE KEPT ON FILE AT THE JOB SITE.

UNLESS OTHERWISE NOTED, STANDARDS AND SPECIFICATIONS ESTABLISHED IN THE LATEST EDITION OF THE OEPA "RAINWATER AND LAND DEVELOPMENT" HANDBOOK SHALL GOVERN THE EROSION AND SEDIMENT CONTROL INSTALLATIONS SPECIFIED ON THIS PLAN.

THIS PROJECT WILL INVOLVE SEVERAL CONSTRUCTION PHASES AND SEQUENCING THROUGHOUT ITS LIFETIME. IT IS VERY IMPORTANT THAT ALL TEMPORARY SEDIMENT AND EROSION CONTROL (S&EC) FIELD METHODS ALONG WITH THIS PLAN, ARE UPDATED TO REFLECT THE ACTUAL FIELD CONDITIONS, CURRENT WEATHER CONDITIONS AND SITE GRADE CHANGES. THE ENGINEER OR THE OHIO EPA CAN AND WILL MODIFY THIS PLAN AS NECESSARY.

THE CONTRACTOR WILL VOLUNTARILY SELF REPORT ANY POTENTIAL VIOLATIONS OF THE OEPA NPDES PERMIT TO THE ENGINEER AND THE OEPA.

THE CONTRACTOR SHALL REMOVE EXISTING GROUND COVER ONLY AS NECESSARY FOR THE PROJECT PHASE CURRENTLY UNDER CONSTRUCTION.

CONSTRUCTION AND DEMOLITION DEBRIS SHALL BE PROPERLY DISPOSED OF ACCORDING TO OHIO EPA REQUIREMENTS.

THE CONTRACTOR WILL BE REQUIRED TO BUILD SEDIMENT BASINS OR SEDIMENT TRAPS OR USE EQUAL METHODS TO DETAIN AND CLEAN WATER TO ACCEPTABLE EPA STANDARDS BEFORE RELEASING THE WATER BACK INTO THE STREAM.

THERE SHALL BE NO TURBID DISCHARGES TO SURFACE WATERS, RESULTING FROM DEWATERING ACTIVITIES. SEDIMENT-LADEN WATER MUST PASS THROUGH A SETTLING POND, FILTER BAG, OR OTHER COMPARABLE PRACTICE, PRIOR TO DISCHARGE.

NO SOLID OR LIQUID WASTE SHALL BE DISCHARGED INTO STORM WATER RUNOFF.

ALL PROCESS WASTEWATER (EQUIPMENT WASHING, LEACHATE FROM ON-SITE WASTE DISPOSAL, ETC.) SHALL BE COLLECTED AND DISPOSED OF AT A PUBLICLY OWNED TREATMENT WORKS.

ALL CONSTRUCTION ACTIVITIES MUST COMPLY WITH ALL LOCAL EROSION/SEDIMENT CONTROL, WASTE DISPOSAL, SANITARY AND HEALTH REGULATIONS.

OTHER EROSION CONTROL ITEMS MAY BE NECESSARY DUE TO ENVIRONMENTAL CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND IMPLEMENTATION OF ADDITIONAL EROSION CONTROL ITEMS, AT THE ENGINEER'S DISCRETION.

NO SOIL, ROCK, DEBRIS OR OTHER MATERIAL SHALL BE DUMPED OR PLACED IN ANY AREAS NOT ADEQUATELY PROTECTED BY EROSION CONTROL INSTALLATIONS.

IT IS PREFERRED TO USE PERMANENT EROSION CONTROL ITEMS AS SHOWN IN THE PLANS TO CONTROL CONSTRUCTION POLLUTION WHEN POSSIBLE. OTHERWISE, THE TEMPORARY POLLUTION PREVENTION ITEMS ARE TO BE USED.

MOST TEMPORARY S&EC METHODS, INCLUDING BUT NOT LIMITED TO, SILT FENCE AND DITCH CHECKS MAY ALL HAVE TO BE PERIODICALLY REMOVED AND REPLACED, OR MOVED FROM THE EXISTING ROAD DITCH OR STRIPED AREAS AS WORK PROGRESSES, ANY CHANGES SHALL BE NOTED IN THE PLAN BY RED LINE AND DATED ON A CORRECTIVE ACTION LOG.

ALL TEMPORARY SEDIMENT CONTROLS AND STORM WATER QUALITY METHODS WILL BE BUILT/INSTALLED AS THE PROJECT PROGRESSES TO ELIMINATE UNNECESSARY DISTURBANCE AND REDUNDANCY. ALL TEMPORARY CONTROLS SHALL BE IN PLACE AND FUNCTIONING PROPERLY WHEN THREATENING WEATHER IS IMMINENT.

"TEMPORARY STABILIZATION" MEANS THE ESTABLISHMENT OF TEMPORARY VEGETATION, MULCHING, GEOTEXTILES, SOD, PRESERVATION OF EXISTING VEGETATION AND OTHER TECHNIQUES CAPABLE OF QUICKLY ESTABLISHING COVER OVER DISTURBED AREAS TO PROVIDE EROSION CONTROL BETWEEN CONSTRUCTION OPERATIONS.

"PERMANENT STABILIZATION" MEANS THE ESTABLISHMENT OF PERMANENT VEGETATION, DECORATIVE LANDSCAPE MULCHING, MATTING, SOD, RIP RAP AND LANDSCAPING TECHNIQUES TO PROVIDE PERMANENT EROSION CONTROL ON AREAS WHERE CONSTRUCTION OPERATIONS ARE COMPLETE OR WHERE NO FURTHER DISTURBANCE IS EXPECTED FOR AT LEAST A YEAR.

OFF-SITE TRACKING OF SEDIMENTS SHALL BE MINIMIZED. A STABILIZED CONSTRUCTION ENTRANCE WILL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. ALL PAVED STREETS ADJACENT TO THE SITE WILL BE SWEEPED DAILY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE, DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARP.

STABILIZATION PRACTICES

PERMANENT SEEDING AND MULCHING STABILIZATION SHALL BE PROVIDED PER OEPA GUIDELINES AS SET FORTH IN PART II.B OF OHIO EPA PERMIT NO.: OHC000006. (SEE TABLE 1)

TABLE 1: PERMANENT STABILIZATION	
AREA REQUIRING PERMANENT STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY AREAS THAT WILL LIE DORMANT FOR ONE YEAR OR MORE	WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE
ANY AREAS WITHIN 50 FEET OF A SURFACE WATER OF THE STATE AND AT FINAL GRADE	WITHIN TWO DAYS OF REACHING FINAL GRADE
ANY OTHER AREAS AT FINAL GRADE	WITHIN SEVEN DAYS OF REACHING FINAL GRADE WITHIN THAT AREA

TEMPORARY SEEDING AND MULCHING STABILIZATION SHALL BE PROVIDED PER OEPA GUIDELINES AS SET FORTH IN PART II.B OF OHIO EPA PERMIT NO.: OHC000006. (SEE TABLE 2)

TABLE 2: TEMPORARY STABILIZATION	
AREA REQUIRING TEMPORARY STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY DISTURBED AREAS WITH 50 FEET OF A SURFACE WATER OF THE STATE AND NOT AT FINAL GRADE	WITHIN TWO DAYS OF THE MOST RECENT DISTURBANCE IF THE AREA WILL REMAIN IDLE FOR MORE THAN 14 DAYS
FOR ALL CONSTRUCTION ACTIVITIES, ANY DISTURBED AREAS THAT WILL BE DORMANT FOR MORE THAN 14 DAYS BUT LESS THAN ONE YEAR, AND NOT WITHIN 50 FEET OF A SURFACE WATER OF THE STATE	WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE WITHIN THE AREA
DISTURBED AREAS THAT WILL BE IDLE OVER WINTER	FOR RESIDENTIAL SUBDIVISIONS, DISTURBED AREAS MUST BE STABILIZED AT LEAST SEVEN DAYS PRIOR TO TRANSFER OF PERMIT COVERAGE FOR THE INDIVIDUAL LOT(S).
DISTURBED AREAS THAT WILL BE IDLE OVER WINTER	PRIOR TO THE ONSET OF WINTER WEATHER

ALL TEMPORARY EROSION AND SEDIMENT CONTROL INSTALLATIONS SHALL BE REMOVED WHEN 70% VEGETATION HAS BEEN REACHED.

STOCKPILE

SILT FENCING SHALL BE INSTALLED AROUND TEMPORARY SPOIL STOCKPILES. THESE STOCKPILES SHALL BE STRAW MULCHED AND/OR TEMPORARILY SEEDED WITHIN 7 WORKING DAYS IF LEFT DORMANT FOR 14 DAYS OR LONGER.

TIMING OF CONTROLS/MEASURES

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, CONSTRUCTION ENTRANCE(S) AND SILT FENCE WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. SEDIMENT CONTROL DEVICES SHALL BE IMPLEMENTED FOR ALL AREAS REMAINING DISTURBED LONGER THAN 14 DAYS AND/OR WITHIN 7 DAYS OF ANY GRUBBING ACTIVITIES. AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN 14 DAYS WILL BE STABILIZED WITH A TEMPORARY SEED AND MULCH WITHIN 2 DAYS OF THE LAST DISTURBANCE IF THE AREA IS WITHIN 50 FEET OF A STREAM, AND WITHIN 7 DAYS OF THE LAST DISTURBANCE IF THE AREA IS MORE THAN 50 FEET AWAY FROM A STREAM. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA, THAT AREA WILL BE STABILIZED WITH PERMANENT SEED AND MULCH. AFTER THE ENTIRE SITE IS STABILIZED, THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM THE BASIN.

STABILIZATION TYPE	J	F	M	A	M	J	J	A	S	O	N	D
PERMANENT SEEDING												
DORMANT SEEDING	•	•	•	•	•	•	•	•	•	•	•	•
TEMPORARY SEEDING												
SODDING			•	•	•	•	•	•	•	•	•	•
MULCHING	•	•	•	•	•	•	•	•	•	•	•	•

\*\* IRRIGATION NEEDED

\*\* IRRIGATION NEEDED FOR 2-3 WEEKS AFTER SOD IS APPLIED

INSPECTIONS

ALL BMPs ON THIS SITE SHALL BE INSPECTED BY "QUALIFIED INSPECTION PERSONNEL" ASSIGNED BY THE CONTRACTOR OR DESIGNATED REPRESENTATIVE AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND BY THE END OF THE NEXT CALENDAR DAY, EXCLUDING WEEKENDS AND HOLIDAYS UNLESS WORK IS SCHEDULED. AFTER A RAIN EVENT OF 0.5 INCHES PER 24 HOUR PERIOD, A RECORD OF THESE INSPECTIONS SHALL BE MAINTAINED IN THE CONSTRUCTION OFFICE WITH THE SWPPP FOR PUBLIC VIEWING. ANY VIOLATIONS WILL BE REPORTED THROUGH THE PROJECT PERSONNEL. A RAIN GAUGE WILL BE LOCATED WITHIN THE PROJECT LIMITS.

FOLLOWING EACH INSPECTION, A CHECKLIST MUST BE COMPLETED AND SIGNED BY THE QUALIFIED INSPECTION PERSONNEL REPRESENTATIVE. AT A MINIMUM, THE INSPECTION REPORT SHALL INCLUDE:

1. THE INSPECTION DATE;
2. NAMES, TITLES, AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION;
3. WEATHER INFORMATION FOR THE PERIOD SINCE THE LAST INSPECTION (OR SINCE COMMENCEMENT OF CONSTRUCTION ACTIVITY IF THE FIRST INSPECTION) INCLUDING A BEST ESTIMATE OF THE BEGINNING OF EACH STORM EVENT, DURATION OF EACH STORM EVENT, APPROXIMATE AMOUNT OF RAINFALL FOR EACH STORM EVENT (IN INCHES), AND WHETHER ANY DISCHARGES OCCURRED;
4. WEATHER INFORMATION AND A DESCRIPTION OF ANY DISCHARGES OCCURRING AT THE TIME OF THE INSPECTION;
5. LOCATION(S) OF DISCHARGES OF SEDIMENT OR OTHER POLLUTANTS FROM THE SITE;
6. LOCATION(S) OF BMPs THAT NEED TO BE MAINTAINED;
7. LOCATION(S) OF BMPs THAT FAILED TO OPERATE AS DESIGNED OR PROVED INADEQUATE FOR A PARTICULAR LOCATION;
8. LOCATION(S) WHERE ADDITIONAL BMPs ARE NEEDED THAT DID NOT EXIST AT THE TIME OF INSPECTION; AND
9. CORRECTIVE ACTION REQUIRED INCLUDING ANY CHANGES TO THE SWP3 NECESSARY AND IMPLEMENTATION DATES.

MAINTENANCE

THE CONTRACTOR SHALL MAINTAIN, REPAIR, OR REPLACE ALL EROSION CONTROL INSTALLATIONS AS NEEDED TO ENSURE THE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. ALL REPAIRS TO BMPs SHALL BE MADE WITHIN 3 DAYS (OR SOONER IF POSSIBLE) OF NOTIFICATION OF DEFICIENCIES. IF THE CORRECTIONS ARE NOT MADE WITHIN THE 3 DAY PERIOD, LIQUIDATED DAMAGES MAY BE ASSESSED AS PER THE ODOT CMS SECTION 108.07.

ONGOING INSPECTION OF INSTALLATIONS WILL BE PERFORMED BY THE CONTRACTOR OR DESIGNATED REPRESENTATIVE.

ANY TRAPPED SEDIMENT OR DEBRIS REMOVED DURING CLEANING OF OR REMOVAL OF BMP INSTALLATIONS SHALL BE PLACED IN AREAS NOT SUBJECT TO EROSION AND PERMANENTLY STABILIZED.

DUST CONTROL

DUST CONTROL INVOLVES PREVENTING OR REDUCING DUST FROM EXPOSED SOILS OR OTHER SOURCES DURING LAND DISTURBING, DEMOLITION AND CONSTRUCTION ACTIVITIES TO REDUCE THE PRESENCE OF AIRBORNE SUBSTANCES WHICH MAY PRESENT HEALTH HAZARDS, TRAFFIC SAFETY PROBLEMS OR HARM ANIMAL OR PLANT LIFE.

THE FOLLOWING SPECIFICATIONS FOR DUST CONTROL SHALL BE FOLLOWED ONSITE:

1. **VEGETATIVE COVER AND MULCH** - APPLY TEMPORARY OR PERMANENT SEEDING AND MULCH TO AREAS THAT WILL REMAIN IDLE FOR OVER 14 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.

ADHESIVE	WATER DILUTION (ADHESIVE: WATER)	NOZZLE TYPE	APPLICATION RATE (GAL/AC)
LATEX EMULSION	12.5:1	FINE	235
RESIN IN WATER ACRYLIC EMULSION (NO TRAFFIC)	4:1	FINE	300
ACRYLIC EMULSION (NO TRAFFIC)	7:1	COARSE	450
ACRYLIC EMULSION (TRAFFIC)	3.5:1	COARSE	350

SPILL PREVENTION

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.

GOOD HOUSEKEEPING:

1. AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.
2. ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.
3. PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.
4. SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
5. WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.
6. MANUFACTURERS' RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.
7. THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ONSITE.

HAZARDOUS PRODUCTS:

1. PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.
2. ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT INFORMATION.
3. IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURERS' OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.

SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

1. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY. MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.
2. MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, KITTY LITTER, SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.
3. THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
4. SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE. SPILLS OF 25 OR MORE GALLONS OF PETROLEUM WASTE MUST BE REPORTED TO OHIO EPA (1-800-282-9378), THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN 30 MINUTES OF THE SPILL. ALL SPILLS, WHICH RESULT IN CONTACT WITH WATERS OF THE STATE, MUST BE REPORTED TO THE OHIO EPA'S HOTLINE.
5. SOLIDS CONTAMINATED BY PETROLEUM OR OTHER CHEMICAL SPILLS MUST BE TREATED/DISPOSED AT AN OHIO EPA APPROVED SOIL WASTE MANAGEMENT FACILITY OR HAZARDOUS WASTE TREATMENT, STORAGE OR DISPOSAL FACILITY (TSDF).
6. THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.
7. THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE WILL DESIGNATE SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IN THE OFFICE TRAILER ONSITE.

PRODUCT SPECIFIC PRACTICES

PETROLEUM PRODUCTS

ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO THE MANUFACTURERS' RECOMMENDATIONS.

FUEL STORAGE TANKS SHALL BE LOCATED AWAY FROM SURFACE WATERS AND STORM SEWER SYSTEM INLETS. FUEL TANKS SHALL BE STORED IN A DIKED AREA CAPABLE OF HOLDING 150% OF THE TANK CAPACITY.

FERTILIZERS

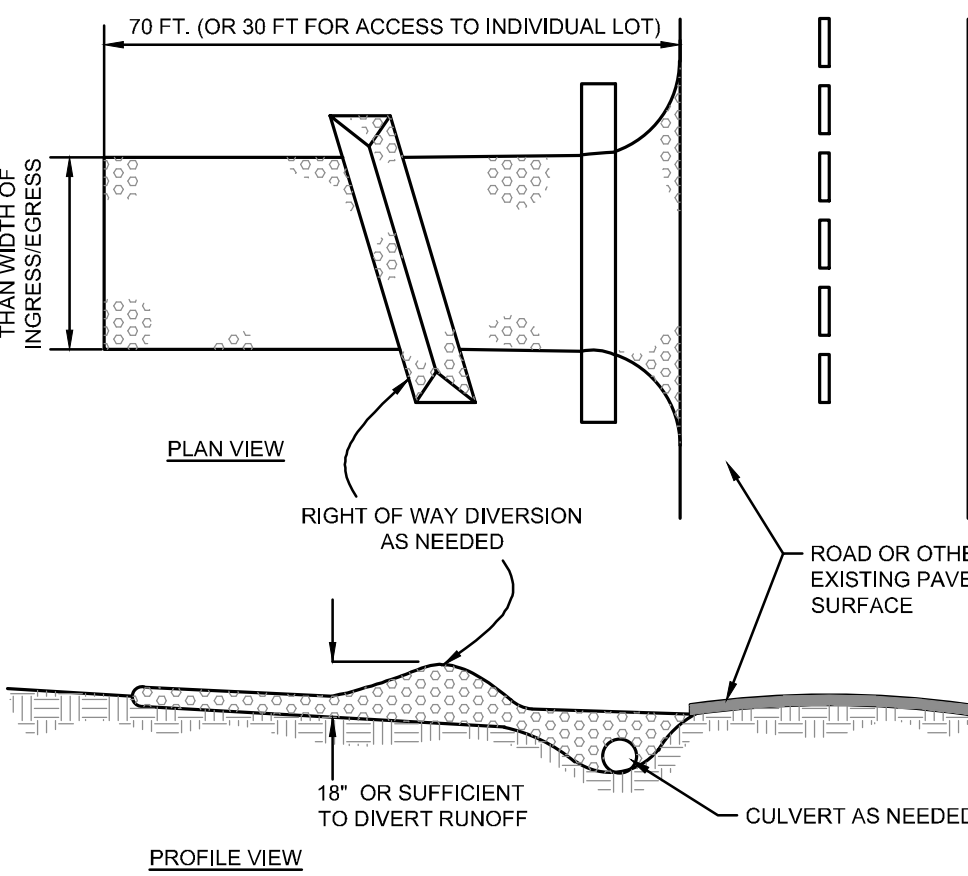
FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE WILL BE IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

PAINTS

ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURERS' INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.

CONCRETE WASH WATER/WASH OUTS

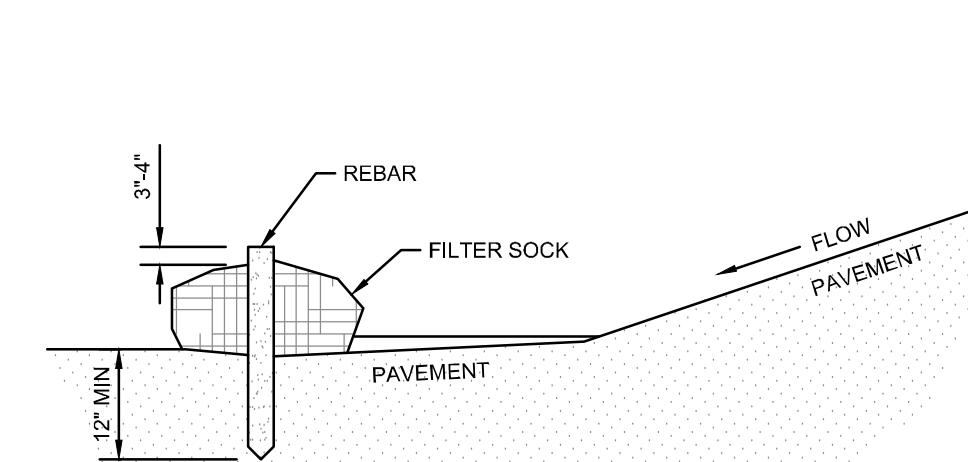
CONCRETE WASH WATER SHALL NOT BE ALLOWED TO FLOW TO STREAMS, DITCHES, STORM DRAINS, OR ANY OTHER WATER CONVEYANCE. A SUMP OR PIT WITH NO POTENTIAL FOR DISCHARGE SHALL BE CONSTRUCTED IF NEEDED TO CONTAIN CONCRETE WASH WATER. FIELD TILE OR OTHER SUBSURFACE DRAINAGE STRUCTURES WITHIN 10 FT. OF THE SUMP SHALL BE CUT AND PLUGGED. FOR SMALL PROJECTS, TRUCK CHUTES MAY BE RINSED ON THE LOT AWAY FROM ANY WATER CONVEYANCES.



NOTES

1. STONE SIZE - ODOT #2 (1.5-2.5 INCH) STONE SHALL BE USED, OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - THE CONSTRUCTION ENTRANCE SHALL BE AS LONG AS REQUIRED TO STABILIZE HIGH TRAFFIC AREAS BUT NOT LESS THAN 70 FT. (EXCEPTION - APPLY 30 FT. MINIMUM TO SINGLE RESIDENCE LOTS).
3. THICKNESS - THE STONE LAYER SHALL BE AT LEAST 18 INCHES THICK FOR LIGHT DUTY ENTRANCES OR AT LEAST 10 INCHES FOR HEAVY DUTY USE.
4. WIDTH - THE ENTRANCE SHALL BE AT LEAST 14 FEET WIDE, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. GEOTEXTILE - A GEOTEXTILE SHALL BE LAID OVER THE ENTIRE AREA PRIOR TO PLACING STONE. IT SHALL BE COMPOSED OF STRONG ROT-PROOF POLYMERIC FIBERS AND MEET THE FOLLOWING SPECIFICATIONS:  
MINIMUM TENSILE STRENGTH..... 200 LBS  
MINIMUM PUNCTURE STRENGTH..... 80 LBS  
MINIMUM TEAR STRENGTH..... 50 LBS  
MINIMUM BURST STRENGTH..... 320 PSF  
MINIMUM ELONGATION..... 30%  
EQUIVALENT OPENING SIZE..... E05-0.08MM  
PERMITTIVITY..... 1X10<sup>6</sup> CM/SEC
6. TIMING - THE CONSTRUCTION ENTRANCE SHALL BE INSTALLED AS SOON AS IS PRACTICABLE BEFORE MAJOR GRADING ACTIVITIES.
7. CULVERT - A PIPE OR CULVERT SHALL BE CONSTRUCTED UNDER THE ENTRANCE IF NEEDED TO PREVENT SURFACE WATER FROM FLOWING ACROSS THE ENTRANCE OR TO PREVENT RUNOFF FROM BEING DIRECTED OUT ONTO PAVED SURFACES.
8. WATER BAR - A WATER BAR SHALL BE CONSTRUCTED AS PART OF THE CONSTRUCTION ENTRANCE IF NEEDED TO PREVENT SURFACE RUNOFF FROM FLOWING THE LENGTH OF THE CONSTRUCTION ENTRANCE AND OUT ONTO PAVED SURFACES.
9. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR THE WASHING AND REWORKING OF EXISTING STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY. THE USE OF WATER TRUCKS TO REMOVE MATERIALS IS PROHIBITED. IF SEDIMENT CONTROLS SHALL BE REMOVED IMMEDIATELY. REMOVAL SHALL BE ACCOMPLISHED BY SCRAPING OR SHEEPING.
10. CONSTRUCTION ENTRANCES SHALL NOT BE RELIED UPON TO REMOVE MUD FROM VEHICLES AND PREVENT OFF-SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION SITE SHALL BE RESTRICTED FROM MUDDY AREAS.
11. REMOVAL - THE ENTRANCE SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREA IS STABILIZED OR REPLACED WITH A PERMANENT ROADWAY OR ENTRANCE.

CONSTRUCTION ENTRANCE DETAIL



NOTES

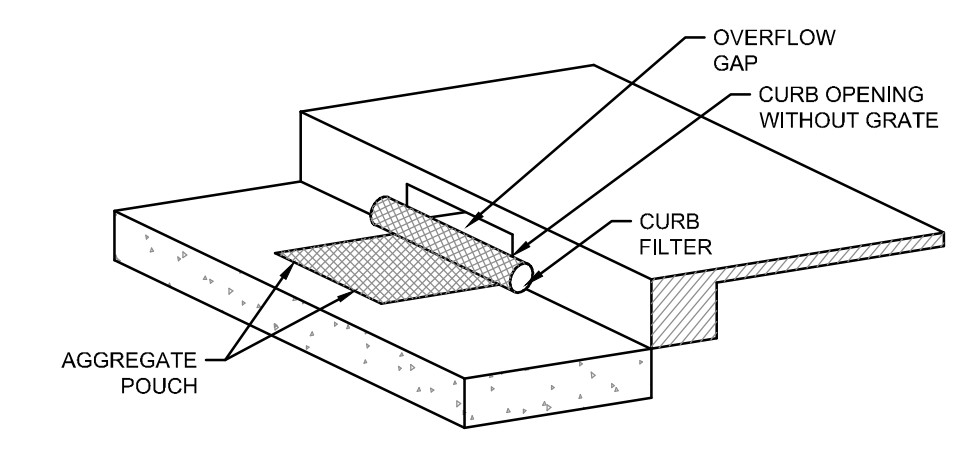
1. MATERIALS - COMPOST USED FOR FILTER SOCKS SHALL BE WEED, PATHOGEN AND INSECT FREE AND FREE OF ANY REFUSE. CONTAMINANTS OR OTHER MATERIALS TOXIC TO PLANT GROWTH THEY SHALL BE DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER AND CONSIST OF A PARTICLES RANGING FROM 3/8\"/>

INSTALLATION:

3. FILTER SOCKS WILL BE PLACED ON A LEVEL LINE ACROSS SLOPES, GENERALLY PARALLEL TO THE BASE OF THE SLOPE OR OTHER AFFECTED AREA, ON SLOPES APPROACHING 2:1. ADDITIONAL SOCKS SHALL BE PROVIDED AT THE TOP AND AS NEEDED MIDSLOPE.
4. FILTER SOCKS INTENDED TO BE LEFT AS A PERMANENT FILTER OR PART OF THE NATURAL LANDSCAPE SHALL BE SEEDED AT THE TIME OF INSTALLATION FOR ESTABLISHMENT OF PERMANENT VEGETATION.
5. FILTER SOCKS ARE NOT TO BE USED IN CONCENTRATED FLOW SITUATIONS OR IN RUNOFF CHANNELS.
6. MAINTENANCE:  
ROUTINELY INSPECT FILTER SOCKS AFTER EACH SIGNIFICANT RAIN, MAINTAINING FILTER SOCKS IN A FUNCTIONAL CONDITION AT ALL TIMES.  
REMOVE SEDIMENTS COLLECTED AT THE BASE OF THE FILTER SOCKS WHEN THEY REACH 1/3 OF THE EXPOSED HEIGHT OF THE PRACTICE.  
WHERE THE FILTER SOCK DETERIORATES OR FAILS IT WILL BE REPAIRED OR REPLACED WITH A MORE EFFECTIVE ALTERNATIVE.
9. REMOVAL - FILTER SOCKS WILL BE DISPERSED ON SITE WHEN NO LONGER REQUIRED IN SUCH AS WAY AS TO FACILITATE AND NOT OBSTRUCT SEEDINGS.

FILTER SOCK DETAIL

N.T.S.



SPECIFICATIONS

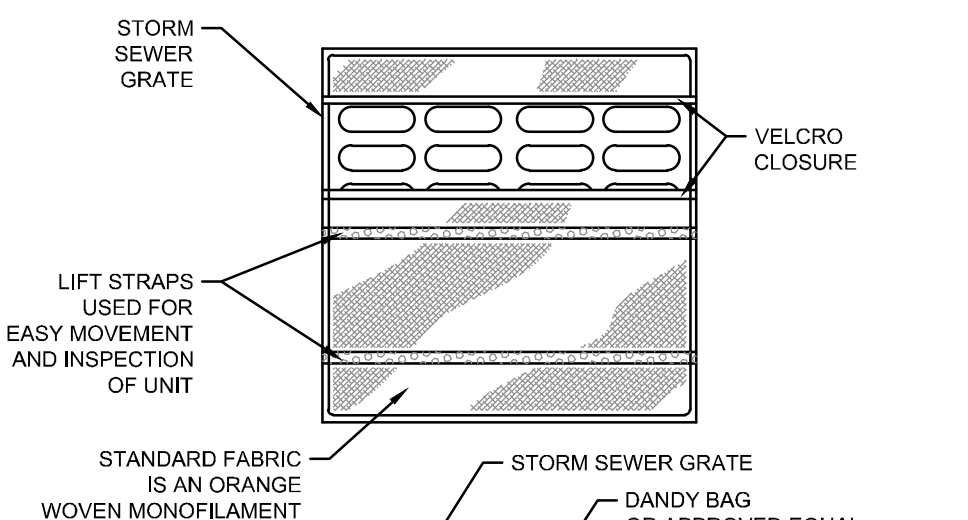
MECHANICAL PROPERTIES	TEST METHOD	UNITS	MARY
GRAB TENSILE STRENGTH	ASTM D 4632	KN (LBS)	1.62 (365) X 0.89 (200)
GRAB TENSILE ELONGATION	ASTM D 4632	%	24 X 10
PUNCTURE STRENGTH	ASTM D 4633	KN (LBS)	0.40 (90)
MULLEN BURST STRENGTH	ASTM D 3786	KPA (PSI)	2097 (450)
TRAPEZOID TEAR STRENGTH	ASTM D 4533	KN (LBS)	0.51 (115) X 0.33 (75)
UV RESISTANCE	ASTM D 4385	%	40
APPARENT OPENING SIZE	ASTM D 4751	MM (US STD SIEVE)	0.425 (40)
FLOW RATE	ASTM D 4491	L/MIN (GAL/MINUTY)	5607 (145)
PERMITTIVITY	ASTM D 4491	SEC	2.1

INSTALLATION: PLACE DANDY CURB INLET PROTECTION UNIT ON GROUND WITH AGGREGATE POUCH ON STREET SIDE NEAR INLET IT WILL BE INSTALLED ON TO INSTALL ABSORBENT. PLACE ABSORBENT SACK IN POUCH. FILL POUCH WITH AGGREGATE SUCH AS #57, #3 OR SIMILAR TO A LEVEL (AT LEAST 1/2 FULL) THAT WILL KEEP UNIT IN PLACE DURING A RAIN EVENT AND CREATE A SEAL BETWEEN THE DANDY CURB AND THE SURFACE OF THE STREET. RESEAL VELCRO ACCESS. CENTER THE UNIT AGAINST THE CURB OR MEDIAN INLET OPENING SO THAT THE CURB SIDE OF THE UNIT CREATES A SEAL WITH THE CURB OR MEDIAN BARRIER AND INLET STRUCTURE.

MAINTENANCE: WITH A STIFF BRISTLE BROOM OR SQUARE POINT SHOVEL REMOVE SILT & OTHER DEBRIS OFF SURFACE AFTER EACH EVENT. REMOVE FINE MATERIAL FROM INSIDE ENVELOPE AS NEEDED. REMOVE AND REPLACE ABSORBENT WHEN NEAR SATURATION.

DANDY CURB DETAIL

N.T.S.



SPECIFICATIONS

MECHANICAL PROPERTIES	TEST METHOD	UNITS	MARY
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 4633	KN (LBS)	0.40 (90)
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UV RESISTANCE	ASTM D 4385	%	40
APPARENT OPENING SIZE	ASTM D 4751	MM (US STD SIEVE)	0.425 (40)
FLOW RATE	ASTM D 4491	L/MIN (GAL/MINUTY)	5607 (145)
PERMITTIVITY	ASTM D 4491	SEC	2.1

INSTALLATION: THE EMPTY DANDY BAG SHOULD BE PLACED OVER THE GRATE AS THE GRATE STANDS ON END. IF USING OPTIONAL OIL ABSORBENTS: PLACE ABSORBENT PILLOW IN POUCH, ON THE BOTTOM (BELOW-GRADE SIDE) OF THE UNIT. ATTACH ABSORBENT PILLOW TO TETHER LOOP. TUCK THE ENCLOSURE FLAP INSIDE TO COMPLETELY ENCLOSE THE GRATE. HOLDING THE LIFTING DEVICES DO NOT RELY ON LIFTING DEVICES TO SUPPORT THE ENTIRE WEIGHT OF THE GRATE. PLACE THE GRATE INTO ITS FRAME.

MAINTENANCE: REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM SURFACE AND VICINITY OF UNIT AFTER EACH STORM EVENT. REMOVE SEDIMENT THAT HAS ACCUMULATED WITHIN THE CONTAINMENT AREA OF THE DANDY BAG AS NEEDED