TEMPORARY EROSION AND SEDIMENT CONTROL PLAN Sawmill Building A

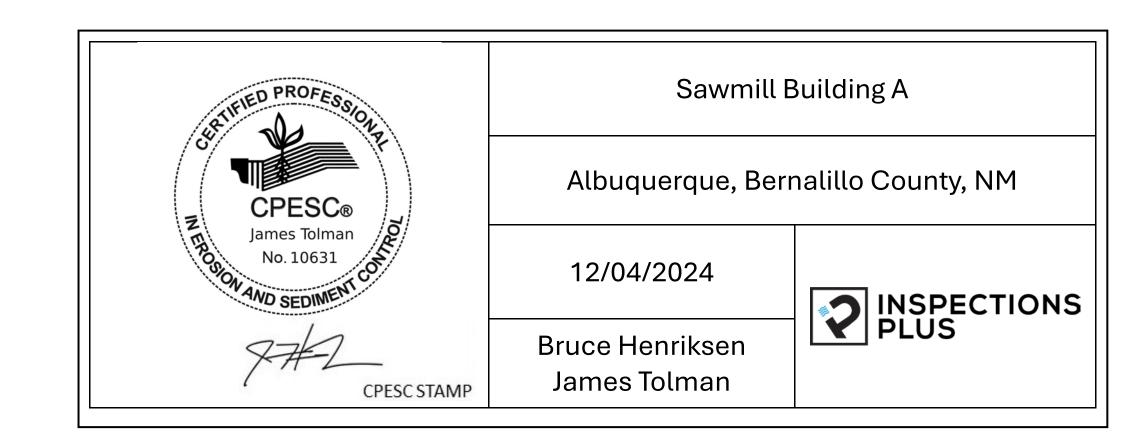
1904 Bellamah Avenue NW

PAGE INDEX				
1	Title Page			
2	SWPPP/TESCP Info & Notes			
3	SWPPP Contacts / Nature of			
	Construction			
4	Temporary Erosion Control Map			
5-7	BMP Specifications / Details			



ARIZON BUADALURE CIBOLA Los Lunes VALENCIA Estancia Clovis. DE BACA Portales Socorro CATRON ROOSEVELT SOCORRO Truth or Consequences Alamogordo Lovington DONA OTERO Lordsburg TEXAS **NEW MEXICO**

LATITUDE: 35.100587 LONGITUDE: -106.666945

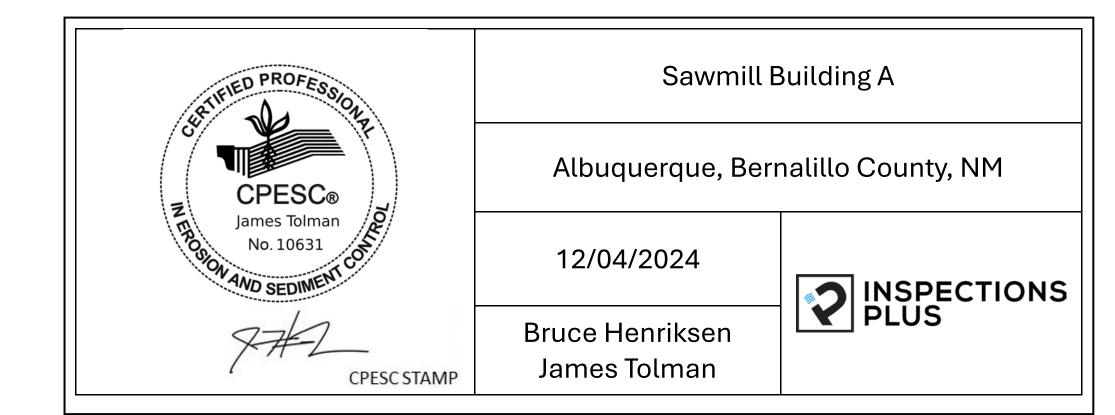


TEMPORARY EROSION AND SEDIMENT CONTROL PLAN

PERMIT NUMBER:	NMR
	NMR100000 State of New Mexico, Except Indian Country
OWNER NAME:	Bernalillo County
OWNER POINT OF CONTACT:	Jim Long - Owner Representative
NOI PREPARED BY:	Inspections Plus
PROJECT/SITE NAME:	Sawmill Building A
PROJECT/SITE ADDRESS:	1904 Bellamah Avenue NW, Albuquerque NM 87120
LATITUDE	35.100587
LONGITUDE	-106.666945
ESTIMATED PROJECT START DATE	12/01/2024
ESTIMATED PROJECT COMPLETION DATE	03/31/2027
PROPERTY SIZE	1.57 acres
TOTAL AREA OF DISTURBANCE	1.57 acres
MAXIMUM AREA DISTURBED AT ONE TIME	1.57 acres
TYPE OF CONSTRUCTION	Commercial
DEMOLITION OF ANY STRUCTURES 10,000	N/A
SQ FT OR GREATER BUILT OR RENOVATED	
BEFORE JANUARY 1, 1980?	
WAS THE PREDEVELOPMENT LAND USED	N/A
FOR AGRICULTURE?	
COMMENCED EARTH DISTURBING	No
ACTIVITIES?	
DISCHARGE TO MS4? MS4 NAME	Yes – COA
SURFACE WATERS WITHIN 50 FT?	No
RECEIVING WATER	Albuquerque Riverside Drain
REC. WATER IMPAIRED? TIER	No
WHAT IMPAIREMENTS?	N/A
SWPPP CONTACT INFORMATION	Jim Long 505-242-2000 jlong@hhands.com
ENDANGERED SPECIES CRITERIA	Criterion "A", No Critical Habitats
HISTORICAL LOCATION CRITERIA	Preexisting Development

ESC Plan Stnadard Notes (2023-06-16)

- 1. All Erosion and Sediment Control (ESC) work on these plans, except as otherwise stated or provided hereon shall be permitted, constructed, inspected and maintained in accordance with:
 - a. The City Ordinance § 14-5-2-11, the ESC Ordinance,
 - b. The EPA's 2022 Construction General Permit (CGP), and
 - c. The City of Albuquerque Construction BMP Manual
- 2. All BMP's must be installed prior to beginning any earth moving activities except as specified hereon in the Phasing Plan. Construction of earthen BMP's such as sediment traps, sediment basins, and diversion berms shall be completed and inspected prior to any other construction or earthwork. Self-inspection is required after installation of the BMP's and prior to beginning construction.
- 3. Self-inspections In accordance with City Ordinance § 14-5-2-11(C)(1), "at a minimum a routine self-inspection is required to review the project for compliance with the Construction General Permit once every 14 days and after any precipitation event of ¼ inch or greater until the site construction has been completed and the site determined as stabilized by the city. Reports of these inspections shall be kept by the person or entity authorized to direct the construction activities on the site and made available upon request."
- 4. Corrective action reports must be kept by the person or entity authorized to direct the construction activities on the site and made available upon request.
- 5. Final stabilization and Notice of Termination (NOT) In accordance with City Ordinance § 14-5-2-11(C)(1), self-inspections must continue until the site is "determined as stabilized by the city." The property owner/operator is responsible for determining when the "Conditions for Terminating CGP Coverage" per CGP Part 8.2 are satisfied and then filing their Notice of Termination (NOT) with the EPA. Each operator may terminate the CGP coverage only if one or more of the conditions in Part 8.2.1, 8.2.2, or 8.2.3 has occurred. After filing the NOT with the EPA, the property owner is responsible for requesting a Determination of Stabilization from the City.
- 6. When doing work in the City right-of-way (e.g. sidewalk, drive pads, utilities, etc.) prevent dirt from getting into the street. If dirt is present in the street, the street should be swept daily or prior to a rain event or contractor induced water event (e.g. curb cut or water test).
- 7. When installing utilities behind the curb, the excavated dirt should not be placed in the street.
- 8. When cutting the street for utilities the dirt shall be placed on the uphill side of the street cut and the area swept after the work is complete. A wattle or mulch sock may be placed at the toe of the excavated dirt pile if the site constraints do not allow placing the excavated dirt on the uphill side of the street cut.
- 9. ESC Plans must show longitudinal street slope and street names. On streets where the longitudinal slope is steeper than 2.5%, wattles/mulch socks or j-hook silt fence shall be shown in the front yard swale or on the side of the street.

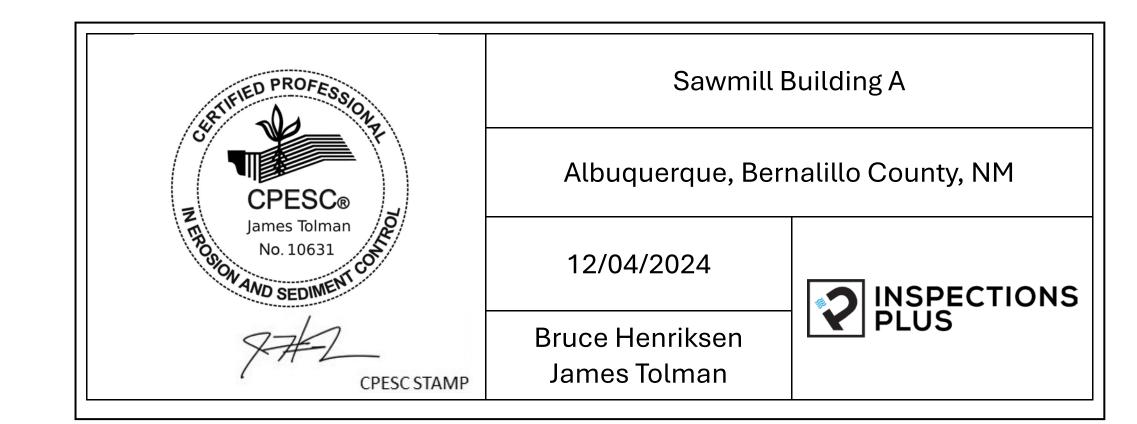


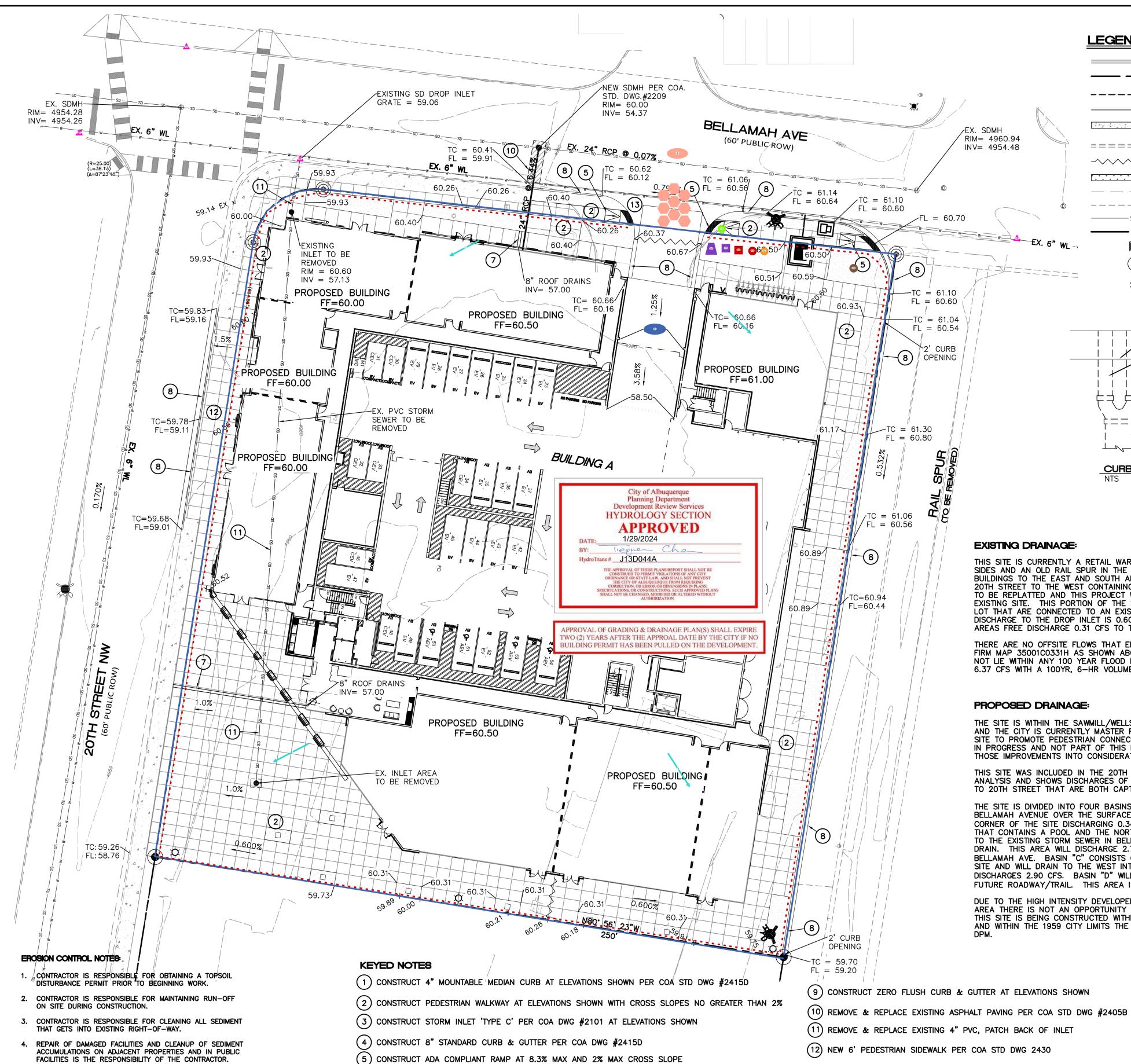
TEMPORARY EROSION AND SEDIMENT CONTROL PLAN

Nature of Construction Activities

Cactus Patch Plaza will consist of the development of access, infrastructure, utilities, permanent drainage, and permanent stabilization for the construction of a retail plaza. Cactus Patch Plaza is a 2.7185 gross acre site with a disturbance acreage of 2.7185. Site hours will consist of Monday through Friday 7am to 5pm. Construction Support Activities will include a staging area and material storage and are included within the perimeter controls of the site.

	VICINITY MAP
OPERATOR:	
TBD	
OWNER:	
Sawmill Bellamah Properties LLC	
1904 Bellamah Ave. NW Albuquerque, NM 87104	
505-242-2000	
Jim Long	
Owner Representative	
505-242-2000 jlong@hhands.com	
Jtong@nnands.com	





(6) CONSTRUCT RETAINING WALL TO ACHIEVE PEDESTRIAN WALK ELEVATIONS

(8) CONSTRUCT STANDARD CURB & GUTTER PER COA DWG #2415D

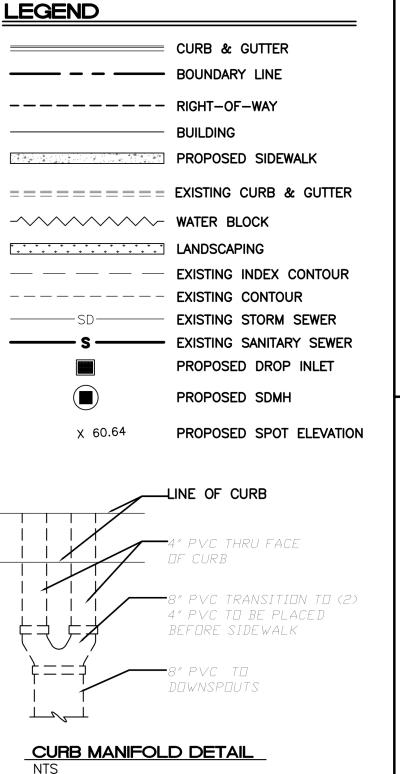
(7) CONSTRUCT MANIFOLD PER DETAIL THIS SHEET

5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM

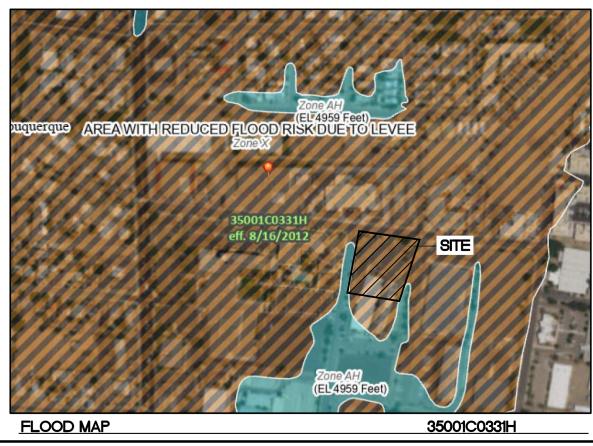
WIND AND WATER EROSION PRIOR TO FINAL (CITY) ACCEPTANCE

6. ALL SLOPES NOT STABILIZED AT THE END OF THE PROJECT SHALL

BE STABILIZED IN ACCORDANCE WITH COA SPECS OR ₹" GRAVEL



Boulevard – CPO-10 FREEWAY Sawmill/Wells Park - 0 VICINITY MAP



EXISTING DRAINAGE:

THIS SITE IS CURRENTLY A RETAIL WAREHOUSE WITH PAVED PARKING IN FRONT AND SIDES AND AN OLD RAIL SPUR IN THE BACK. THE SITE IS BOUNDED BY COMMERCIAL BUILDINGS TO THE EAST AND SOUTH AND BELLAMAH AVENUE TO THE NORTH WITH 20TH STREET TO THE WEST CONTAINING APPROXIMATELY 3.94 ACRES. THE SITE IS TO BE REPLATTED AND THIS PROJECT WILL CONTAIN THE NORTH 1.58 ACRES OF THE EXISTING SITE. THIS PORTION OF THE SITE DRAINS TO DROP INLETS IN THE PARKING LOT THAT ARE CONNECTED TO AN EXISTING DROP INLET IN BELLAMAH AVENUE. THE DISCHARGE TO THE DROP INLET IS 0.60 CFS WITH PORTIONS OF THE LANDSCAPED AREAS FREE DISCHARGE 0.31 CFS TO THE STREETS.

THERE ARE NO OFFSITE FLOWS THAT ENTER THE SITE. THE SITE IS LOCATED ON FIRM MAP 35001C0331H AS SHOWN ABOVE. THE MAP SHOWS THAT THE SITE DOES NOT LIE WITHIN ANY 100 YEAR FLOOD PLAIN. THE SITE GENERATES A TOTAL OF 6.37 CFS WITH A 100YR, 6-HR VOLUME OF 0.276 AC-FT.

PROPOSED DRAINAGE:

THE SITE IS WITHIN THE SAWMILL/WELLS PARK METROPOLITAN REDEVELOPMENT AREA AND THE CITY IS CURRENTLY MASTER PLANNING THE STREET NETWORK AROUND THIS SITE TO PROMOTE PEDESTRIAN CONNECTIVITY AND TRAFFIC CALMING. THAT WORK IS IN PROGRESS AND NOT PART OF THIS PROJECT ALTHOUGH THIS DESIGN IS TAKING THOSE IMPROVEMENTS INTO CONSIDERATION.

THIS SITE WAS INCLUDED IN THE 20TH STREET STREETSCAPE MASTER DRAINAGE ANALYSIS AND SHOWS DISCHARGES OF 3.10 CFS TO BELLAMAH AVE. AND 3.70 CFS TO 20TH STREET THAT ARE BOTH CAPTURE IN EXISTING STORM SEWERS.

THE SITE IS DIVIDED INTO FOUR BASINS. BASIN "A" WILL DRAIN TO THE NORTH INTO BELLAMAH AVENUE OVER THE SURFACE AND TO A DROP INLET AT THE NORTHWEST CORNER OF THE SITE DISCHARGING 0.34 CFS. BASIN "B" IS A COURTYARD AREA THAT CONTAINS A POOL AND THE NORTH HALF OF THE BUILDING AND WILL DRAIN TO THE EXISTING STORM SEWER IN BELLAMAH AVENUE VIA AN UNDERGROUND ROOF DRAIN. THIS AREA WILL DISCHARGE 2.76 CFS FOR A TOTAL OF 3.10 CFS TO BELLAMAH AVE. BASIN "C" CONSISTS OF THE SOUTH HALF OF THE BUILDING ADN SITE AND WILL DRAIN TO THE WEST INTO 20TH STREET OVER THE SURFACE AND DISCHARGES 2.90 CFS. BASIN "D" WILL DISCHARGE 0.59 CFS TO THE EAST TO A FUTURE ROADWAY/TRAIL. THIS AREA IS CURRENTLY UNDEVELOPED.

DUE TO THE HIGH INTENSITY DEVELOPEMENT AND PLANNED HARDSCAPES FOR THIS AREA THERE IS NOT AN OPPORTUNITY TO RETAIN THE WATER QUALITY VOLUME. AS THIS SITE IS BEING CONSTRUCTED WITHIN A METROPOLITAN REDEVELOPMENT AREA AND WITHIN THE 1959 CITY LIMITS THE PAYMENT IN-LIEU FEE IS WAIVED PER THE

- (11) REMOVE & REPLACE EXISTING 4" PVC, PATCH BACK OF INLET
- (13) CONSTRUCT 6' VALLEY GUTTER PER COA STD DWG 2415B AT ELEVATIONS SHOWN

ADD 4900' TO ALL SPOT ELEVATIONS SHOWN ON PLAN. ALL SPOT ELEVATIONS ARE FLOWLINE UNLESS OTHERWISE STATED.



GRAPHIC SCALE

(IN FEET)

1 inch = 20 ft.

NOTICE TO CONTRACTORS

- 1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
- 2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HERON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985.
- 3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
- 4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONNECTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- 5. BACKFILL COMPACTION SHALL BE ACCORDING TO TRAFFIC/STREET
- 6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
- 7. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR

CAUTION

ALL EXISTING UTILITIES SHOWN WERE OBTAINED FROM RESEARCH, AS-BUILTS, SURVEYS OR INFORMATION PROVIDED BY OTHERS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO AND INCLUDING ANY EXCAVATION, TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS, PRIOR TO STARTING THE WORK. ANY CHANGES FROM THIS PLAN SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER.

ENGINEER'S SEAL	1904 BELLAMAH AVE NW ALBUQUERQUE, NM	<i>DRAWN BY</i> SB
DR. BOHA	ALBOQUENÇUE, NIVI	DATE
ON MEXICO Z	GRADING	05-11-23
((7868))	PI AN	DRAWING
B E E SONAL ENGINE		SHEET #
01-15-2024	5571 MIDWAY PARK PL NE ALBUQUERQUE, NEW MEXICO 87109	GR-1
RONALD R. BOHANNAN P.E. #7868	(505) 858-3100 www.tierrawestllc.com	<i>JOB #</i> 2022046

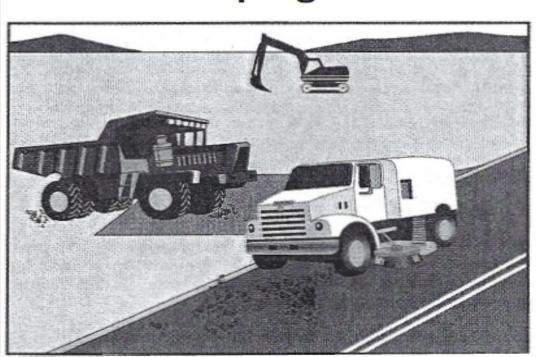
Sawmill Building A Inspections Plus, LLC Commercial SWPPP Map.pdf

LEGEND



- Property Boundary / Limit of Disturbance (1)
- • Silt Fence (1)
- Pre & Post Construction Water Flow (4)
- Materials Storage (1)
- Stockpiles (1)
- Water Truck (1)
- Street Sweeping (1)
- Insert Inlet Protection (4)
- Portable Toilet with Secondary Containment (1)
- Dumpster (1)
- Spill Kit (1)
- SWPPP Sign (1)
- Portable Concrete Washout (1)
- Stabilized Construction Exit (1)

Street Sweeping and Vacuuming



Street sweeping and vacuuming includes use of self-propelled and walk-behind equipment to remove sediment from streets and roadways, and to clean paved surfaces in preparation for final paving. Sweeping and vacuuming prevents sediment from the project site from entering storm drains or receiving waters.

Suitable Applications

Description and Purpose

Sweeping and vacuuming are suitable anywhere sediment is *tracked from the project site onto public or private paved streets and roads, typically at points of egress. Sweeping and vacuuming are also applicable during preparation of paved surfaces for final paving.

Limitations

Sweeping and vacuuming may not be effective when sediment is wet or when tracked soil is caked (caked soil may need to be scraped loose).

mplementation

- Controlling the number of points where vehicles can leave the site will allow sweeping and vacuuming effo ls to be focused, and perhaps save money.
- Inspect potential sediment tracking locations daily.
- Visible sediment tracking should be swept or vacuumed on a daily basis.

January 2003

SE-7

Objectives

EC Erosion Control SE Sediment Control TR Tracking Control WE Wind Erosion Control Non-Stormwater Management Control WM Waste Managemenland

Materias Pollution Control

Targeted Constituents

Potential Alternatives

1of2

Sediment

Nutrients

Trash

Metals

Bacteria

Organics

Oil and Grease

Revision 03 December 2020

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM MANUAL Appendix A1 - Construction Planning, Management and Clean Up

A1-10 CONCRETE WASTE MANAGEMENT



DESCRIPTION

Concrete waste management reduces or prevents the discharge of pollutants to stormwater by implementing management measures.

PRIMARY USE

Concrete waste products can negatively affect the pH of water, harm aquatic life, and contribute to total suspended solids in stormwater. Concrete waste management strategies keep the discharge of concrete waste materials from affecting local stormwater and drainage systems during concrete construction operations.

Concrete construction operations that have the potential for contaminating receiving waters include, but are not limited to:

- » Pouring and finishing concrete slabs on grade and concrete paving. » Pouring vertical cast in place concrete (header curbs, concrete curbs and
- gutters, retaining walls, concrete footings).
- » Drilling, cutting, polishing, and curing concrete.
- » Washing concrete dust, and exposed aggregate concrete. » Spilling concrete.
- » Dampening freshly made concrete.
- » Creating and applying concrete slurry coat.
- » Building masonry structures.
- » Finishing surfaces with stucco. » Washing equipment.

SEE ALSO

A1-9 Spill Prevention Plan A1-11 Solid Waste Management A1-12 Hazardous Waste Management



CWM

Revision 03 December 2020

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM MANUAL Appendix A1 - Construction Planning, Management and Clean Up

A1-1 DUST CONTROL









DESCRIPTION

Dust control measures reduce a construction site's potential for producing airborne fugitive dust that can lead to air and water pollution. Sediments that are transported from construction sites by wind and construction vehicles that have left the site, are often re-dispersed to the air by subsequent vehicular traffic and winds. Likewise, these sediments may be transported by the next rainfall to streams and into public storm sewer systems. Implementation of control measures to minimize the generation of fugitive dust from disturbed landscapes and construction sites will also limit the quantity of sediments in stormwater.

PRIMARY USE

Dust control is used to limit and control nuisance fugitive dust from disturbed landscapes and construction sites. Project types and conditions that benefit from execution of a dust control strategy include, but are not limited to, the

- » Grading operations (land clearing and earthmoving).
- » Drilling and blasting.
- » Batch drop operations (loader operation). » Exposed, cleared, and unstabilized areas.
- » Vehicle traffic on unpaved surfaces.
- » Sediment tracking on paved surfaces. » Blasting and wrecking ball operations. » Soil and debris storage piles.

SEE ALSO

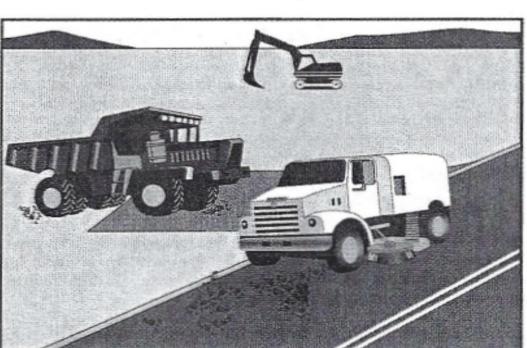
A1-4 Grassland Seedbank Protection

A1-5 Stockpile Management A2-1 Seeding A2-2 Mulching





Street Sweeping and Vacuuming



Description and Purpose

Street sweeping and vacuuming includes use of self-propelled and walk-behind equipment to remove sediment from streets and roadways, and to clean paved surfaces in preparation for final paving. Sweeping and vacuuming prevents sediment from the project site from entering storm drains or receiving waters.

Suitable Applications

Sweeping and vacuuming are suitable anywhere sediment is *tracked from the project site onto public or private paved streets and roads, typically at points of egress. Sweeping and vacuuming are also applicable during preparation of paved surfaces for final paving.

Limitations

Sweeping and vacuuming may not be effective when sediment is wet or when tracked soil is caked (caked soil may need to be scraped loose).

mplementation

- Controlling the number of points where vehicles can leave the site will allow sweeping and vacuuming effo ls to be focused, and perhaps save money.
- Inspect potential sediment tracking locations daily.
- Visible sediment tracking should be swept or vacuumed on a daily basis.

SE-7

- EC Erosion Control Sediment Control
- TR Tracking Control
- WE Wind Erosion Control Non-Stormwater Management Control
- WM Waste Managemenland Materias Pollution Control

Targeted Constituents

Sediment Nutrients Trash Metals Bacteria Oil and Grease Organics

Potential Alternatives

Revision 03 December 2020

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM MANUAL Appendix A1 - Construction Planning, Management and Clean Up

A1-10 CONCRETE WASTE MANAGEMENT CONTINUED

APPLICATION

Concrete waste management strategies include:

- » Avoid mixing excess amounts of fresh concrete or cement onsite. » Perform washout of concrete trucks offsite or in designated
- areas on site at least 50 feet from storm drains, open ditches or bodies of
- » Block drop inlets and direct concrete wastewater into temporary pits where the concrete can set, be broken up, and then disposed of properly.
- » Collect and return sweepings to aggregate base stockpile or dispose of
- » Train employees and subcontractors in proper concrete waste management.

LIMITATIONS

» Offsite washout of concrete wastes may not always be possible.

MAINTENANCE REQUIREMENTS

- » Ensure subcontractors properly manage concrete wastes.
- » Dispose of hardened concrete on a regular basis.
- » Regularly inspect drop inlet protection measures.

Revision 03 December 2020

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM MANUAL Appendix A1 - Construction Planning, Management and Clean Up

A1-1 DUST CONTROL CONTINUED

APPLICATION

Dust control measures vary widely and should be selected alone or in combination for the specific project type, conditions, and resource availability. Dust control measures include, but are not limited to, the following:

- » Provide covers for trucks transporting materials that contribute dust.
- » Pave, apply gravel, vegetate or chemically stabilize large disturbed areas.
- » Immediately water disturbed areas.
- » Regularly water and dampen unstabilized areas.

Additionally, if the contractor is responsible for complying with the requirements of the air pollution control permit, the following is typically

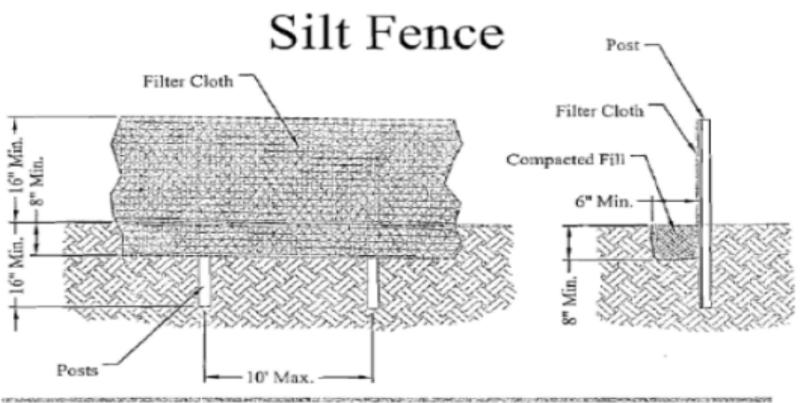
- » Provide dust control plans for construction or land-clearing projects.
- » Conduct enforcement activities with priority given to citizen complaints.
- » Conduct documentation of maintenance.

Some dust control measures may be of limited use due to lack of resources at the site, construction sequencing, and the need to repeatedly re-implement measures during the course of construction. Limitations may include:

- » Access to water.
- » Availability of equipment.
- » Frequent disturbance during construction.

MAINTENANCE REQUIREMENTS

- » Inspect stabilized soils for disturbance on a regular basis.
- » Wet soil and soils treated with stabilization agents.
- » Regrade and reapply soil stabilizing agents.



Definition

A temporary barrier of Geotextile Class "F" used to intercept sediment laden runoff from small drainage areas.

Purpose

The purpose of silt fence is to reduce runoff where velocity and allow the deposition of transported sediment to occur. Limits imposed by ultraviolet light on the stability of the fabric will dictate the maximum period that the silt fence may be used.

- 1. Silt fence provides a barrier that can collect and hold debris and soil, preventing the material from entering critical areas, streams, streets, etc.
- 2. Silt fence can be used where the installation of a dike would destroy sensitive areas; woods, wetlands, etc.

Conditions where the Practice Applies

Silt Fence is limited to intercepting sheet flow runoff from limited distances according to slope. It provides filtering and velocity dissipation to promote gravity settling of sediment.

Design Criteria

Wood or Steel Posts may be used in certain instances. Silt fence should be placed as close to the contour as possible. No section of silt fence should exceed a grade of 5 percent for a distance more than 50 feet. Where ends of the geotextile fabric come together, the ends shall be overlapped, folded, and stapled to prevent sediment bypass.

- * If wood post are to be used they must meet the following specifications:
- 1 ½" X 1 ½" minimum square posts, or 1 ½ " minimum diameter round post
- * If metal posts are to be used they must be standard "T" or "U" post weighing not less than I lb. per linear foot.
- The length of the flow contributing to silt fence shall conform to the following limitations.

Slope (%)	Slope Steepness	Slope Length (Ft.) (Maximum)	Silt Fence Length (Pt.) (Maximum)
2	0-50:1	Unlimited	Unlimited
2-10	50:1-10:1	125	1,000
10-20	10:1-5:1	100	750
20-33	5:1-3:1	60	500
33-50	3:1-2:1	40	250
50 +	> 2:1	20	125

Revision 03 December 2020

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM MANUAL Appendix A1 - Construction Planning, Management and Clean Up

A1-13 STABILIZED CONSTRUCTION ENTRANCE/EXIT



DESCRIPTION

A stabilized construction entrance/exit consists of a pad of crushed stone, recycled concrete, or other rock-like material on top of a geotextile filter, which is used to facilitate the wash-down and removal of sediment and other debris from construction equipment prior to exiting the site.

PRIMARY USE

Stabilized construction entrances/exits are used to reduce offsite sediment tracking from trucks and construction equipment, and for sites where considerable truck traffic occurs each day. They also reduce the need to clean adjacent pavement as often, and help route site traffic through a single point. Stabilized construction entrances and exits are recommended for all construction sites, and may be required for Construction General Permit compliance.

Strategies for successful and effective stabilized construction entrances/exits include but are not limited to:

- » Location selection able to accommodate construction traffic.
- » Appropriate selection of locally available material.

LIMITATIONS

- » Selection of the construction entrance/exit location is critical. To be effective, it must be used exclusively.
- » Stabilized access points can be expensive and must be installed in combination with one or more other sediment control techniques. It may be more cost effective, however, than labor-intensive street cleaning.

NMDOT STANDARD DRAWING

603-01-7/7 Offsite Tracking Prevention



SCEE

Revision 03 December 2020

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM MANUAL Appendix A1 - Construction Planning, Management and Clean Up

A1-13 STABILIZED CONSTRUCTION ENTRANCE/EXIT CONTINUED

LIMITATIONS CONTINUED

» Site constraints may limit the recommended 50 feet entrance/ exit drive length.

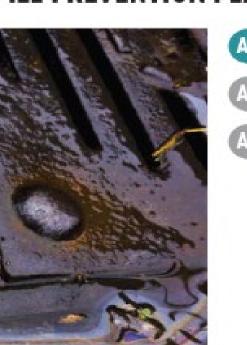
MAINTENANCE REQUIREMENTS

- » Inspect the stabilized construction entrance after major storm events to ascertain sediment and pollution are being effectively captured on site. When sediment or debris has substantially clogged the void area between the rocks, the aggregate mat must be washed down or replaced.
- » Re-grade and top dress stone periodically to retain the effectiveness of the entrance/exit.

Revision 03 December 2020

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM MANUAL Appendix A1 - Construction Planning, Management and Clean Up

A1-9 SPILL PREVENTION PLAN



DESCRIPTION

A spill prevention plan is an emergency plan to contain spills of dangerous, hazardous, or toxic wastes in order to mitigate environmental damage, safeguard the public and provide prompt notice to proper authorities. Hazardous chemicals include but are not limited to fertilizers, paints, oils, grease, pesticides, fuels, and construction or industrial facility chemicals.

PRIMARY USE

Spill prevention plans are applicable to all construction sites and specified in the Stormwater Pollution Prevention Plan (SWPPP). Sites closest to watercourses, canals, and reservoirs are at highest risk of contaminating surface waters with an uncontained spill.

APPLICATION

The spill prevention plan is created prior to construction and includes measures to limit the scope of spills and minimize the impact on the environment and public health. Typical spill prevention plan strategies

- » Designate a Pollution Prevention and Spill Response Coordinator (refer to Section I.B.2.h of the Manual).
- » Select a designated area for storage.
- » Seal and label all containers.
- » Surround storage areas by a berm with an impermeable liner. Construct berms to provide a storage volume of no less than 1.5 times the total volume of the stored material.
- » Establish cleanup procedures and have cleanup materials readily available.

NMDOT STANDARD SPECIFICATION

603 Temporary Erosion and Sediment Control

NMDOT TESCP (TEMPORARY EROSION AND SEDIMENT CONTROL PLAN)
SYMBOL

Revision 03 December 2020

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM MANUAL Appendix A1 - Construction Planning, Management and Clean Up

A1-9 SPILL PREVENTION PLAN CONTINUED

APPLICATION CONTINUED

- » Post cleanup procedures near where dangerous, hazardous or toxic
- materials are stored or used.
- » Dispose of contaminated material in accordance with state or local requirements.

Other strategies for specific situations include:

- » Small or incidental spills (<5 gallons): contain and clean the spill using</p>
- facility personnel if they are able to do so without risking safety and injury. » Large or reportable spills (> 5 gallons): clean the spill using emergency responders and/or clean up contractors. For releases of hazardous substances, the federal government has established Superfund Reportable
- » Releases of Hazardous Substances: if a hazardous substance is released to the environment in an amount that equals or exceeds its RQs, the release must be reported to federal authorities, unless certain reporting exemptions for hazardous substances releases also apply. Information on RQs can be found on the EPA website (https://www.epa.gov/epcra/cercla-andepcra-continuous-release-reporting). In the event of a spill of a hazardous substance, notify the National Response Center (NRC) at (800) 424-8802, the New Mexico Environment Department (NMED) at (505) 827-9329, and the local fire department.

LIMITATIONS

» No major limitations.

Quantities (RQs).

MAINTENANCE REQUIREMENTS

- » Inspect hazardous material storage areas frequently and after storm events.
- » Maintain storage areas in a clean and orderly fashion.
- » Maintain records of stored hazardous materials.

Revision 03 December 2020

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM MANUAL Appendix A1 - Construction Planning, Management and Clean Up

A1-6 SANITARY FACILITY MANAGEMENT









Image credit / Stock/ Merrimon

DESCRIPTION

Portable sanitary facilities store sanitary waste to eliminate onsite disposal and minimize nuisances. Sanitary waste can harm public health and safety and adversely affect the environment. Nuisance complaints regarding poor sanitary facility management can adversely affect the project schedule. project cost, and public perception of NMDOT and private contractors.

PRIMARY USE

Sanitary facilities prevent onsite disposal of sanitary wastes, and minimize illicit discharges and nuisance odors.

APPLICATION

Sanitary facilities are required for all work sites or construction areas.

LIMITATIONS

» Sanitary facilities shall be located a minimum of 50 feet away from receiving waters and drop inlets.

MAINTENANCE REQUIREMENTS

» Schedule regular waste removal.

» Maintain facilities in good working order.

» Restock supplies regularly.

NMDOT TESCP (TEMPORARY EROSION AND SEDIMENT CONTROL PLAN)

SYMBOL

Residence describer 2006



A1-5 STOCKPILE MANAGEMENT



DESCRIPTION

Stockpile management methods and practices reduce erosion and stormwater poliution from stock piled materials.

PRIMARY USE

Stockpile management occurs on sites where material stocks such as concrete, soil, seghalt, chemicals, petroleum products, and bulk delivered. materials such as soil amendments are temporarily located prior to use or nemoval from the site. Stockpile management is a best management practice. for starmwater protection for new construction, renovations and existing properties including industrial facilities.

Stockpile management strategies occur in the following areas:

- Construction sites with laydown yards, did/very spaces and heavy machinery.
- Can struction sites with earth-moving operations.
- Maintenance yand son industrial facilities with stockpilet soil, concrete aggregate, chemicals; and asphalt materials:

APPLICATION

Strategies for stockpile management include:

- Place materials on publishs and cover materials. Label and remove contaminated spill stockplies;
- Protect soil abclipiles with temporary soil stabilization resistance.
- Cover and protect odid mix materials on treated wood with an erosion. control barrier.

SEE ALSO

#1-1 Sour Control AZ-4 Molch Socker

HMDOT STANDARD SPECIFICATION

689 Temporary Erosion and Sediment Control





Betalen D. Acceptor 2020

METIONS I POLLUTANT DISCRAFED ILLINING TIDS STREET HE NUMB. Appendix A1 - Construction Planning, Management and Clean Up.

A 1-5 STOCKPILE MANAGEMENT CONTINUED

APPLICATION CONTINUES

- Rence stockpile areas to limit wind-blown dribris and applying perimeter. ero ston berriors.
- Unit componently stockpoint methods such as operal, compose and wood mulch to use within 48 hours after delivery.
- Cover, secure and protect long-norm modiplied materials florger than 68. hours) from wind and water emaker.
- Insulf remponery droston control measures such as mulch socks or sasked hay below around modified.

LIMITATIONS

- Ste constraints may complicate strict adversings to measures.
- Spokpile proseston meletares such explants sarpisces increase runof.
- Specipiles shall not be lexand in amost discontinued sportween flows. and shall be a minimum of 50 feet away from all drainage tribes.

MAINTENANCE REQUIREMENTS

- Inspect encokin control measures surrounding the spokpile areas according.
- p the Somweet Politician Provention Ren (SWPPP) Inspect stockpile areas and protection measures weekly and after storm



Stormwater Best Management Practice Storm Drain Inlet Protection

Minimum Measure: Construction Site Stormwater Runoff Control Suboategory: Sediment Control

Description

Storm drain inlet protection controls prevent soil and debris from entering storm drain inlets. These controls are usually temporary and allow storm drain inlets onsite to remain operational prior to permanent site stabilization. Inlet protection is often the last opportunity to provide treatment to stormwater prior to discharge. There are several types of inlet protections that construction site operators can use depending on site conditions, inlet configurations and material availability. Inlet protection can be either internal or external. Internal controls consist of a filter insert that construction staff place within a storm drain, and these controls are generally only useful for larger sediment. External controls enable ponding around the storm drain inlet using some type of filter barrier made of stone, gravel or fabric. Construction staff can create the ponded area by either excavating around a drop injet or by building the filter material up around a drop inlet's perimeter. External controls slow flow velocities and allow for sediment settling and filtration before stormwater enters the injet.

> A variety of controls can protect storm drain inlets, such as the mostly structural controls that this fact sheet discusses or nonstructural controls that the Compost Filter Socks and Fiber Rolls fact sheets discuss in greater detail.

Applicability

Inlet protection is applicable to operational inlets for which all or some of the inlet's drainage area is disturbed. Storm drain inlet protection is a secondary control device, meaning that construction staff should always use inlet protection in conjunction with other sediment and erosion control practices.

Internal controls are applicable to areas with high construction traffic or where roadway flooding is a concern (WSDOT, 2019). External controls—which



Storm drains and curb inlets should be protected with filter fabric and filter socks, which trap sediment and allow water to flow through

Photo Credit PG Environmental for USEPA

require more space for stormwater ponding but are generally more effective as sediment control practices are applicable to a wide range of injet configurations. Excavated drop inlet protection and block and gravel injet protection are applicable to areas of high flow, where drain overflow is likely. Fabric (e.g., slit fence or geotextile) barriers are applicable to smaller, flatter drainage areas, but construction staff should be aware that some locations caution against this practice due to Its high failure rate (e.g., TDEC, 2012).

Siting and Design Considerations

Construction staff should install temporary inlet protection controls before any soil disturbance occurs in the drainage area. Generally, drainage areas to each control should be no greater than 1 acre per inlet. In all cases, the overtopping depth of an inlet protection control should not be greater than any surrounding low point in the drainage area so that stormwater does not bypass the Inlet. In some cases, controls may require an emergency overflow (City of Seattle, 2017).

EPA-832-F-21-028040

https://www.epa.gov/npdes