A B		C
1) SITE DESCRIPTION		
Project Name & Location: Gan-Eden Residential Community		4) CONTROLS
Sullivan County, NY		EROSION AND SEDIMENT CO
Applicant/Owner Name & Address: Gan-Eden Estates 90 Woodbridge Center Dr. Woodbridge NJ 07095		construction activity tempor will be stabilized with temp
General Contractor: N/A		than 14 days from the last area. All gress seed mixtur comply with Town of Thomp
<u>Description:</u> The existing project area to be disturbed consists of 212 acres in the towns of Thompson and Fallsburg. About 15% of the current site is delineated as NYSDEC and ACOE wetlands. Stormwater discharge currently drains directly off into the wetlands and pond located on site.		<u>Permanent Stabilization</u> Disturbed portions of the s permanently cease shall be no later than 14 days after grass seed mixtures and ap Town of Thompson requirem
The project consists of the construction of a 534 dwelling residential community and its utility infrastructures. The stormwater management facilities will consist of 8 stormwater basins, 12 bioretention basins, several dry swales and a stormwater piping network throughout the site		STRUCTURAL PRACTICES Proposed methods include sediment filters, rip—rap, te spreader, inlet protection, c the Sediment & Frosion Co
According to the SULLIVAN COUNTY SOIL SURVEY, soils present within the project site include Amot/Oguago (AoC/AoE), Oquaga/Amot (OgC/OgD), Lackawanna (LaB/LaC), Oquaga (OeB), Morris, Extremely Stony (SeB), Morris (MrB), Wellsboro (WeC), Wellsboro, Extremely Stony (WiC/WeB), and Palms (Pa).		Details sheets for the locat of the proposed structural
<u>Runoff Coefficients:</u> The Rational Method runoff coefficient for the project is 79 for		OTHER CONTROLS
wooded areas, 80 for pervious lawn areas, and 98 for impervious area.		<u>Waste Materials:</u> All waste materials will be covered metal dumpsters re
The project area is approximately 212 acres, of which approximately 86 acres will be disturbed by construction activities.		company & destination of prior to commencement of management company in S meet all Town of Thompsor State solid waste managem
<ol> <li>SUPPORTING PLANS &amp; ANALY</li> <li>Site Plan Drawings, entitled as "Preliminary &amp; Final Site Plan of Tax Lot Section 2, Block 1 - Lot 6.3 Town of Thompson, Sullivan County, New York, Prepared for Gan-Eden Estates LLC, Prepared by PAULUS, SOKOLOWSKI AND SARTOR, PC.</li> </ol>	(SES	All trash and construction deposited in the dumpsters as necessary, and the trask proposed area by contractor materials will be buried on instructed regarding the co Notices stating these pract
2. Hydrologic—Hydraulic Analysis in the report entitled as STORMWATER MANAGEMENT and POLLUTION PREVENTION PLAN by PS&S, PC.		day-to-day site operations that these practices are fo
3) CONSTRUCTION SEQUENCE	•	<u>Hazardous Waste:</u> All bazardous waste materi
		manufacturer. Site personne practices, the individual who
* ALL PHASES/SUBPHASES SHALL FOLLOW THE BELOW SEQUENCE	*	will be responsible for seeir followed. (note: Job supervi prior to commencement of
SCHEDULE A PRE-CONSTRUCTION MEETING AT LEAST 1 WEEK PRIOR TO ANY CONSTRUCTION SITE DISTURBANCE OR EQUIPMENT STAGING. AT A MINIMUM, THE		<u>Sanitary Waste:</u>
PRE-CONSTRUCTION MEETING SHOULD CONSIST OF THE TOWN REPRESENTATIVES, INCLUDING THE TOWN ENGINEER, AS WELL AS CONTRACTORS, PROJECT MANAGER AND FOREMAN		All sanitary waste will be c by a licensed sanitary wast Sanitary waste contractor b
1. INSTALL ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON PLANS AND INDICATED IN NOTES.	2 WEEKS	commencement of work)
2. INSTALL STABILIZED CONSTRUCTION ENTRANCE(S) AS SHOWN ON ON THE SOIL EROSION SEDIMENT CONTROL PLANS AND DETAILS.	1 WEEK	<u>Offsite Vehicle Tracking:</u>
3. CLEAR SITE AND DEMOLISH EXISTING FEATURES IMMEDIATELY REMOVE DEBRIS FROM SITE.	2 WEEKS	A stabilized construction er reduce vehicle tracking of s
<ul><li>4. CONSTRUCT SWM BASINS AS FOLLOWS</li><li>a. CLEAR AND GRUB BASIN AREAS AND REMOVE DEBRIS FROM SITE.</li></ul>		swept daily to remove any from the site. Dump trucks
<ul><li>b. INSTALL DETENTION BASIN OUTLET PIPE.</li><li>c. CONSTRUCT OUTLET STRUCTURE AND OTHER APPURTENANCES.</li></ul>	2 MONTHS	construction site will be co
<ul><li>d. STABILIZE ALL EXPOSED SOIL WITHIN DETENTION BASIN.</li><li>e. STABILIZE ANY STOCKPILED MATERIAL.</li></ul>		TIMING OF CONTROLS/MEAS
f. CONSTRUCT CONDUIT OUTLET PROTECTION.		As indicated in the Sequers stabilized construction entro
ON PLANS.	2 WEEKS	erosion controls will be con activities on any part of th
7. CONSTRUCT ALL UTILITIES. SOIL EROSION AND SEDIMENT CONTROL	3 WEEKS	stabilized with a temporary
DEVICES SHALL BE INSTALLED AS CONSTRUCTION PROGRESSES.8. INSTALL CURBING AND SIDEWALK, BACKFILL AS SOON AS CURB HAS ATTAINED	1 MONTH	permanently in an area, the permanent seed and mulch
SUFFICIENT SUPPORTING STRENGTH. FINE GRADE PAVEMENT AREAS.9. INSTALL SUBBASE IF REQUIRED. INSTALL STABILIZED BASE.	2 MONTHS	stabilized, accumulated sed sed sed
10. CONSTRUCT PROPOSED BUILDINGS AS SHOWN ON PLAN 11. FINE GRADE AND STABILIZE ALL DISTURBED AREAS IN ACCORDANCE	6 MONTHS	be removed.
WITH THE MINIMUM STABILIZATION REQUIREMENTS INCLUDING MULCH ANCHORING	1 WEEK	CERTIFICATION OF COMPLIAN
FLOW CHANNEL IN THE DETENTION BASIN.	3 WEEKS	The stormwater pollution pr
14. CONVERT TEMP. SWALES TO DRY SWALES AFTER CONTRIBUTORY DRAINAGE AREA		State Department of Enviro for stormwater managemen
IS STABILIZED. a. REMOVE ACCUMULATED SEDIMENT FROM TEMPORARY SWALE.	2 WEEKS	control as established in Al of the Environmental Conse
<ul><li>b. REMOVE LINER AND EXCAVATE TO SWALE SUBGRADE ELEVATION.</li><li>c. INSTALL DRY SWALE IN ACCORDANCE WITH CONSTRUCTION DETAILS.</li></ul>		guidelines issued with the S Stormwater Discharges From
15. REMOVE ALL SOIL EROSION AND SEDIMENT CONTROL DEVICES.	2 WEEKS	Classified as "Associated W published by the New York
ON THE PLANS.	1 MONTH	Environmental Conservation.

\* TIME SCHEDULE WILL VARY FOR EACH PHASE / SUBPHASE

17. REMOVE AND REPLACE ALL BROKEN CURB, SIDEWALK AND DISTRESSED

It is a violation of NYS Education Law, Article 145 Section 7209.2, for any person, unless he is acting under the direction of a licensed professional engineer or land surveyor, to alter an item in any way. If an item bearing the seal of an engineer or land surveyor is altered, the altering engineer or land surveyor shall affix to the item his seal and the notation "altered by" followed by his signature and the date of such alteration, and a specific description of the alteration.

18. INSTALL TOP COURSE PAVING.

PAVEMENT.

ALL DIMENSIONS MUST BE VERIFIED BY THE CONTRACTOR. NOTIFY PAULUS, SOKOLOWSKI AND SARTOR OF ANY CONFLICTS, ERRORS, AMBIGUITIES OR DISCREPANCIES IN THE CONTRACT DRAWINGS OR SPECIFICATIONS BEFORE PROCEEDING WITH CONSTRUCTION. ALL DIMENSIONS SHALL BE AS NOTED IN WORDS OR NUMBERS ON THE CONTRACT DRAWINGS. DO NOT SCALE THE DRAWINGS TO DETERMINE DIMENSIONS. THESE CONTRACT DRAWINGS CONTAIN DATA INTENDED SPECIFICALLY FOR THE NOTED PROJECT AND CLIENT. THEY ARE NOT INTENDED FOR USE ON EXTENSIONS OF THIS PROJECT OR FOR REUSE ON ANY OTHER PROJECT. THE COPYING AND/OR MODIFICATION OF THIS DOCUMENT OR ANY PORTION THEREOF WITHOUT THE WRITTEN PERMISSION OF PAULUS, SOKOLOWSKI, AND SARTOR IS PROHIBITED. COPYRIGHT 2019 PAULUS, SOKOLOWSKI, AND SARTOR - ALL RIGHTS RESERVED.





3 WEEKS

3 WEEKS

67A MOUNTAIN BOULEVARD EXTENSION P.O.BOX 4039 WARREN, NEW JERSEY 07059 PHONE:(732) 560-9700 FAX: (732) 560-9768

# \_S

CONTROLS STABILIZATION PRACTICES

disturbed portions of the site where emporarily ceases for at least 21 days temporary seed and mulch no later last construction activity in that nixtures and application rate shall nompson requirements.

### the site where construction activities be stabilized with permanent seed after the last construction activity. All nd application rates shall comply with uirements.

ude silt fences, haybale filters, gravel ap, temporary sediment traps, level on, anti-tracking pads and. Refer to Control Plan and Construction location and construction requirements ural practices.

be collected and stored in securely ers rented from \_\_\_\_, (note: name of carting

of trash to be identified 30 days **of work)** which is a solid waste in Sullivan County. The dumpsters will pson, Sullivan County, and New York agement regulations.

ion debris from the site will be sters. The dumpsters will be emptied trash will be hauled off-site to ractor. No construction waste on site. All personnel will be e correct procedure for waste disposal. practices will be posted in the office eas. The individual who manages the tions, will be responsible for seeing ire followed.

aterials will be disposed of in the cal or state regulation or by the sonnel will be instructed in these who manages day-to-day operations, seeing that these practices are pervisor shall be identified 30 days of work)

be collected from the portable units waste management contractor. (note: tor be identified 30 days prior to

on entrance will be provided to help of sediments. Existing paved roadways construction site entrances will be any excess mud, dirt, or rock tracked rucks hauling materials from the covered with tarpaulin.

## <u>MEASURES</u>

equence of Major Activities, the entrances and other sediment and constructed prior to earthwork of the site. Areas where construction uses for at least 21 days will be prary seed and mulch within 14 days Once construction activity ceases that area will be stabilized with nulch. After the entire site is sediments will be removed from the control structures and the controls will

# PLIANCE WITH FEDERAL, STATE, AND

on prevention plan reflects New York nvironmental Conservation requirements ement and erosion and sediment in Article 17, Titles 7,8 and Article 70 Conservation Law. To ensure was prepared in accordance with the SPDES General Permit for From Construction Activities That Are ed With Construction Activity", York State Department of

# 5) MAINTENANCE/INSPECTION PROCEDURES

Long Term Maintenance

The owner / operator will be responsible for long term maintenance of sediment and erosion control.

SEDIMENT & EROSION CONTROL INSPECTION AND MAINTENANCE PRACTICES 1. All control measures will be inspected at least once each

- week and immediately following any storm event of 0.5 inches or greater. All measures will be maintained in good working order. If a
- repair is necessary it will be initiated within 24 hours of report.
- 3 Built-up sediment will be removed from silt fence when it has reached one-third the height of the fence. 4 Silt fence will be inspected for depth of sediment, tears,
- to see if the fabric is securely attached to the fence posts are firmly in the ground. Temporary and permanent seeding and planting will be inspected for bare spots,

washouts, and healthy growth. 5 A maintenance inspection report will be made after each inspection.

Job Supervisor will select individuals who MUST BE A CERTIFIED PROFESSIONAL and will be responsible for weekly (& after every  $\frac{1}{2}$  inch of rain) inspections, maintenance, and repair activities, and filling out the inspection and maintenance reports. Inspection reports shall summarize:

- Name of inspector Qualifications of inspector
- Areas inspected, including measurements
- Observed conditions
- Changes necessary to the SWPPP Personnel selected for inspection and maintenance

responsibilities will receive training from the job supervisor. They will be trained in all the inspection and maintenance practices necessary for keeping the erosion and sediment controls used on site in good working order.

# 6) NON-STORM WATER DISCHARGES

Non-stormwater discharges are not expected.

# 7) INVENTORY FOR POLLUTION PREVENTION PLAN

The material or substances listed below are expected to be present on the site during construction: Concrete

- Detergents
- Asphalt and Paving Materials Seed, sod, and mulch
- Masonry Block
- Fertilizers Petroleum Based Products
- Cleaning Solvents
- Wood 10. Geotextile Fabrics

# 8) SPILL CONTROL & PREVENTION

# MATERIAL MANAGEMENT PRACTICES

The following are the material management practices that will be used to reduce the risk of spills or accidental exposure of materials and substances to stormwater runoff.

## <u>Good Housekeeping:</u>

The following good housekeeping practices will be followed on site during the construction project: - An effort will be made to store only enough product

required to do the job.

- All materials stored on site will be stored in a neat, orderly manner in their appropriate containers and, if possible under a roof or other enclosure.
- Products will be kept in their original containers with the original manufacturer's label. - Substances will not be mixed with one another unless
- recommended by the manufacturer. - Whenever possible, all of a product will be used up before
- disposing of the container. - Manufacturers' recommendations for proper use and disposal will be followed.
- The Job Supervisor will inspect daily to ensure proper use and disposal of materials on site.

# Hazardous Products:

The following practices will be used to reduce the risks associated with hazardous materials: Products will be kept in original containers unless they are not resealable

- Original labels and material safety data will be retained; they contain important product information.

- If surplus product must be disposed of, manufacturers' or local or State recommended methods for proper disposal will be followed.

1	LISA A. DIGEROLAMO, P.E. PROFESSIONAL ENGINEER NEW YORK LIC. NO. 086749 SIGNATURE DATE	REVIS	DATE		PROJECT TITLE PRELIMIN Gan- TOWN OF THO
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## <u>Hazardous Products:</u>

The following practices will be used to reduce the risks associated with hazardous materials:

- Products will be kept in original containers unless they are not resealable.
- Original labels and material safety data will be retained; they contain important product information.

- If surplus product must be disposed of, manufacturers' or local or State recommended methods for proper disposal will be followed.

PRODUCT SPECIFIC PRACTICES

The following product specific practices will be followed on site.

### <u>Petroleum Products:</u>

All on site 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 on site will be applied according to the manufacturers' recommendations.

### <u>Fertilizers:</u>

Fertilizers used will be applied only in the minimum amounts recommended by the manufacturer. Once applied, fertilizer will be worked into the soil, but will be properly disposed of according to manufacturers' instructions or State and local regulations.

### <u>Paints:</u>

All containers will be tightly sealed and stored when not required for use. Excess paint will not be discharged to the storm drainage system, but will be properly disposed of according to manufacturers' instructions or State and local regulations.

### <u>Concrete Trucks:</u>

Concrete trucks will not be allowed to wash out or discharge surplus concrete or drum wash water on the site.

## 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 cleanups:

- Manufacturers' recommended methods for spill cleanup will be clearly posted and site personnel will be made aware of procedures and the location of the information and cleanup supplies.
- Materials and equipment necessary for spill cleanup will be kept in the material storage area on site. 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 - All spills will be cleaned up immediately after discovery.
- The spill area will be kept ventilated, and personnel will wear appropriate protective clothing to prevent injury from contact with a hazardous substance.
- Spills of toxic or hazardous material will be reported to the appropriate State or local government agency, regardless of the size of the
- 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.
- Spill will be documented in the spill control and prevention log as below item (9)

Job Supervisor responsible for the day-to-day site operations, will be the spill prevention and cleanup coordinator. He will designate at least three other site personnel who will receive spill prevention and cleanup training. These individuals will each become responsible for a particular phase or prevention and cleanup. The names of the responsible spill personnel will be posted in the material storage area and in the office trailer on site.

# 9) SPILL CONTROL & PREVENTION LOC

Date of Spill	Material Spilled	Spill Location	Cause	Cleanup	Agency Reported (Toxic/Hazardous)	Reoccurrence Prevention Measure

NARY & FINAL SITE PLAN



LUTION PR	EVENTION	PLAN	1
penalty of law that this vere prepared under my th a system designed to erly gathered and evalue	document and all direction or supervisio assure that qualified ited the information	n in	
ystem, or those persons information, the information, the information owledge and belief, true, there are significant per cluding the possibility of ons.	directly responsible for tion submitted is, to accurate, and complenalties for submitting fine and imprisonmer	the ete. I false nt for	
Site Contractor		Note: General Contractor shall be identified 30 days prior to commencement of work	2
RACTOR'S CEF	RTIFICATION		
of law that I understand and agree tion plan for the construction site ic rge storm water. I also understand of the New York State Pollutant Disc m water discharges from construction r contribute to a violator of water	e to comply with the terms and dentified in such plan as a condi- that the operator must comply harge Elimination System ("SPDE on activities and that it is unlaw quality standards"	conitions ition of with the S") ful for	
		Note: Site Work Contractor shall be identified 30 days prior to commencement	
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Signature)	(Cor	mpany)	
General Contractor			
Date)	(Pho	one Number)	
Title)	(Cit	y, State, Zip)	_
Name)	(Str	eet/Address)	-
Signature)	(Cor	mpany)	of work
Site Work Contractor			Note: Site Work Contractor shall be identified 30 days
authorization to discharge storm water. terms and conditions of the New York S general permit for storm water discharg any person to cause or contribute to g	I also understand f State Pollutant Disc ges from construction violatoin of water	that the operator must comply harge Elimination System ("SPD on activities and that it is unlay quality standards."	with the ES") vful for
I certify under penalty of law that I ur of the pollution prevention plan for the	derstand and agree construction site ic	to comply with the terms and lentified in such plan as a conc	conitions lition_of
1) CONTRACTO	R'S CEF	RTIFICATION	_
			General Contractor shall be identified 30 days prior to commencement of work
Signed:Site C Date:	ontractor		Note:
information, including the knowing violations.	possibility of	fine and imprisonme	nt for
best of my knowledge and am aware that there are	d belief, true, significant pe	accurate, and comp enalties for submitting	lete. I g_false
submitted. Based on my i manage the system, or th	inquiry of the	person or persons v directly responsible f	/ho or
attachments were prepare accordance with a system	d under my designed to	direction or supervision assure that qualified	on in
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TAX LOT

SECTION 2,