STORMWATER MANAGEMENT FACILITY OPERATIONS & MAINTENANCE MANUAL

FOR

ACCESS SELF STORAGE FACILITY

BLOCK 502.01, LOTS 45.01 & 46.01
297 DAVIDSON AVENUE
TOWNSHIP OF FRANKLIN
SOMERSET COUNTY, NEW JERSEY

Prepared for:

Franklin Storage, LLC
208 Gates Road
Little Ferry, NJ 07643

AUGUST 2021
Revised October 2021
Revised January 2022

Prepared By:

THE REYNOLDS GROUP, INC.
575 ROUTE 28, SUITE 110
RARITAN, NEW JERSEY 08869

F. Mitchel Ardman, P.E.
NJ License No. 34317

(TRG No. 21-010)

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I. INTRODUCTION

Franklin Storage, LLC is proposing to construct an Access Self Storage Facility at 297 & 305 Davidson Avenue in Franklin Township, Somerset County. In conjunction with this proposal, stormwater management measures will be constructed to address the impact of stormwater runoff. These measures include the following:

- The stormwater runoff conveyance system, located throughout the site, which consists of pipes, inlets, storm manholes and swales.
- A bioretention basin that also provides extended detention located behind the 3-story storage facility.

In order for these stormwater management measures to function adequately, regular maintenance must be performed. This Stormwater Management Facility Operations & Maintenance Manual outlines the proper inspection and maintenance procedures for each component of the stormwater management system. A Stormwater Management Facility Plan showing the location of the stormwater management components on the site is located in the map pocket at the end of this report.

This document and any future revisions to this document shall be recorded upon the deed of record for this property. The entity responsible for maintenance of the stormwater management elements designed for the project and outlined in detail below is as follows:

Franklin Storage, LLC
208 Gates Road - Little Ferry, NJ 07643
Phone: (973) 534-3108
Attn.: Jake Davidson (email: jake@murraycontracting.net)

The responsible party shall maintain a detailed log of the preventative and corrective maintenance for the stormwater management elements, including a record of all inspection and maintenance procedures (See Appendix A for Maintenance Logs). The effectiveness of the maintenance plan shall be evaluated by the responsible party at least once a year and the plan shall be adjusted as needed. Written maintenance records for all stormwater management elements shall be maintained by the responsible party for at least five years and shall be provided to the municipality upon request.

II. STORMWATER CONVEYANCE SYSTEM

This element is comprised of the series of pipes, structures, and vegetated swales designed to convey runoff to and from the bioretention basin.

Normal maintenance of the storm sewer system requires inlets to be inspected semi-annually on or about April 1st and October 1st of each year. Any sediment or debris on the grate or within the inlets and vegetated swales shall be removed at that time.

Stormwater Conveyance System Maintenance Schedule			
Maintenance Item	**Schedule**	**Inspection Requirement**	**Maintenance Requirement**
Visual Inspection	Semi-Annually - April 1 +/- October 1 +/-	Inspect all grates and inletsfor buildup of sediment/trash/debris.	Removed excess sediment/trash/debris from grates and/or within inlets.

III. BIORETENTION BASIN

This element is comprised of a normally dry extended detention basin with a planted bottom consisting of a 24" thick soil bed layer and an underdrain system. The purpose of the bioretention basin is to control the quantity and enhance the quality of the stormwater runoff leaving the site. Runoff from the building roof, driveway and parking areas is piped to the basin. The stormwater runoff stored below the lowest opening in the outlet structure filters through the soil bed, which provides 80% TSS removal, and is then conveyed through the underdrain system to the outlet control structure. The upper stage orifice and weir provide control for larger storm events which attenuates peak discharge from the developed portion of the site.

A. General Maintenance

The bottom of the bioretention basin shall be inspected at least monthly and all other components designed to catch debris and sediment must be inspected for clogging and excessive accumulation of material at least four (4) times annually, as well as after every storm exceeding one (1) inch of rainfall. These components include the planted soil bed bottom, inflow points, outlet structures, trash racks and rip-rap aprons. Sediment removal shall be performed when basin is thoroughly dry. Debris, trash, sediment, and other waste material removed from the bioretention basin, shall be disposed of at a suitable disposal site in accordance with all applicable regulations. The planted bottom shall be maintained by hand, including raking of the soil bed between plantings as needed to promote infiltration. The underdrain system should be inspected and jet-vacuumed as needed if there is evidence of clogging.

B. Vegetated Areas

Mowing/trimming of vegetation shall be conducted on a regular schedule based on specific site condition. Grassed side slopes shall be mowed at least once monthly during the growing season. Planted bottom shall only be trimmed as needed, by hand, to maintain healthy growth. Vegetated areas shall be inspected at least once annually for erosion and scour. In addition, during the inspection, unwanted growth will be identified and removed with minimum disruption to remaining vegetation.

During establishment or restoration of vegetation, biweekly inspections shall be performed during the first growing season or until vegetation becomes established to determine health of planted material. Once established, inspection for health, vigor, density, and diversity shall be performed during the growing and non-growing season at least twice annually. Vegetative cover shall be maintained at 85 percent. Areas of the basin with greater than 50 percent non-growth or damage shall be re-established in accordance with the original specifications. Use of fertilizers, mechanical treatments, pesticides, and other measures to assure optimum vegetative cover shall not compromise the intended purpose of the basin. To the extent possible, all vegetative deficiencies should be corrected without the use of fertilizers or other chemicals.

C. Structural Components

All structural components, such as outlet structure and inflow structures shall be inspected for cracking, subsidence, spalling, erosion, and general deterioration at least once annually. Structural damage to outlet and inlet structures, trash racks, headwalls and flared end sections (FES) from vandalism, flood events, or other causes must be repaired promptly. Analysis of structural damage and the design of structural repairs shall only be undertaken by qualified personnel.

D. Embankment

The embankment around the detention basin shall be visually inspected periodically (April 1st and October 1st) for signs of damage. Problems such as settlement, scouring or seepage shall be analyzed by qualified personnel. The stability of the embankment can be impaired by large roots

and animal burrows. Trees and brush with extensive root systems should be completely removed from dams to prevent their destabilization and creation of seepage routes. Root voids and animal burrows should be plugged by filling with material similar to the existing material and capped just below grade with stone, concrete or other material. If plugging of burrows does not discourage animals from returning, further measures should be taken to remove the animal population.

E. Other Maintenance Criteria

The volume of stormwater storage below the circular orifice in the outlet control structure will be filtrated through the planted soil bed and then conveyed to the outlet control structure through the underdrain system (4" diameter pvc pipe set in a 12" thick stone bed.) The time necessary to drain the water quality design storm runoff volume is approximately 15 hours. For a short duration rainfall event, if the water does not drain within 20 hours, the basin shall be reevaluated by a qualified civil or geotechnical engineer. For long duration storms with a significant amount of rainfall, if the basin does not drain within 72 hours, the basin should be reassessed by a qualified civil or geotechnical engineer. Testing of the permeability of the soil bed may be required. If soil bed has become clogged with debris, it may need to be replaced.

Refer to the following table for schedule of maintenance and inspection:

Bioretention Basin Maintenance Schedule

Maintenance Item	Schedule	Inspection Requirement	Maintenance Requirement
Establish Vegetation	Bi-weekly	During first growing season or until vegetation becomes established	Re-plant areas as required.
85 Percent Coverage	Twice Yearly	During both growing and non-growing season : April-May October/November	Re-plant areas exhibiting areas damaged in excess of 50 percent Re-plant areas exhibiting less that the required 85 percent coverage.
General Maintenance – Visual Inspection	Monthly (Bottom Soil Bed); Four (4) Times Annually for other components, or After Every Rainfall Exceeding One Inch	Inspect all visual components of the system for scour (planted soil bed bottom and rip-rap aprons), clogging (underdrain, etc.), excessive debris, and sediment accumulation.	Remediate scour and clogging; Removal all trash, debris, sediment and dispose of in accordance with all applicable regulation. Rake soil bed as needed.
Structural Components – Visual Inspection	Once Annually	Inspect all structural components i.e., outlet structures, flared-end-sections, headwalls, etc. for cracking, subsidence, spalling, erosion, and general deterioration.	Repair structural components as required.
System Function		Evaluate drawdown time of basins compared to design criteria. 1.25" Storm: 15 hours Large Storms: less than 72 hrs	Function of the bioretention basin shall be assessed by a qualified Civil or Geotechnical Engineer – Recommendations will be made at this time and shall be implemented by owner.

V. MAINTENANCE RECORDS AND REPORTING

All inspections (as required above), regular maintenance, and required repairs shall be documented. Written maintenance and repair records for all stormwater management elements shall be maintained for at least five years by the responsible party and shall be provided to the municipality upon request. See Appendix for Maintenance Logs.

VI. EQUIPMENT AND MATERIALS

The following is a list of maintenance equipment and materials that would be required for the general maintenance of the Stormwater Management Facilities. It will be at the discretion of the owner to decide whether to perform the work (by the Department of Public Works) or to hire a maintenance service to maintain the above facilities. Should the Owner decide to hire a service to maintain the Stormwater Facilities, the responsibility of inspecting the facilities per the above report will still be the job of the Owner. The following equipment list has been separated into the various Stormwater Components. The equipment may be rented for a particular task or stored on-site as part of the maintenance program. Confined space entry shall be enforced at all times.

a. Riding Mower
b. Power Trimmer
c. Power Edger
d. Seed Spreader
e. De-thatching Equipment
f. Grass Clipping Equipment
g. Shovels & Rakes
h. Wheel Barrow
i. Loader/Backhoe
j. Dewatering pump
k. Combination vacuum truck and sewer jet
l. Concrete Repair Material
m. Tilling machine
n. Sand
o. Grass Seed

APPENDIX A

INSPECTION AND MAINTENANCE LOGS

Stormwater Conveyance System

20__ Inspection Checklist for Stormwater Management Facilities

Name of Facility: **Conveyance Pipes, Structures, Swales**

Location/Address: **297 & 305 Davidson Ave, Franklin Twp.**
Block 502.01 - Lot 45.02

Franklin ID #:

Submission for: (Select One)

- ☐ 1st Quarter
- ☐ 2nd Quarter
- ☐ 3rd Quarter
- ☐ 4th Quarter

STORMWATER CONVEYANCE SYSTEM

Date:				
Facility Item:	O.K.[1]	Routine[2]	Urgent[3]	Comments[4]
Inspection Checklist	(X):Completed			
Inlet Grates & Manhole Covers				
Condition of Castings				
Trash & Debris				
Structures - Inlets & Manholes				
Condition of Structure				
Sediment				
Trash & Debris				
Standing Water				
Settlement				
Pipe System				
Surcharge/Clogging				
Seepage				
Settlement				
Vegetated Swale:				
Grass coverage				
Scour				
Debris				
Miscellaneous:				

[1]The item checked is in good condition, and the maintenance program is adequate.

[2]The item checked requires attention, but does not present an immediate threat to the facility function or other facility components.

[3]The item checked requires immediate attention to keep the facility operational or to prevent damage to other facility components.

[4]Provide explanation and details if columns 2 or 3 are checked.

Comments: (Additional comments not listed above)	

Inspection reports can be mailed, faxed to (732) 873-5391, or emailed to stormwater@twp.franklin.nj.us

STORMWATER CONVEYANCE SYSTEM

20__ Maintenance Log for Stormwater Management Facilities

Name of Facility: **Conveyance Pipes, Structures, Swales**

Location/Address: **297 & 305 Davidson Ave, Franklin Twp.**
Block 502.01 - Lot 45.02

Franklin ID #: _____

Submission for: (select 1)

- ☐ 1st Quarter
- ☐ 2nd Quarter
- ☐ 3rd Quarter
- ☐ 4th Quarter

STORMWATER CONVEYANCE SYSTEM													
Date:													
Preventative Maintenance		(X):Completed											
Trash and Debris removal:													
	Inlets & Manholes												
	Pipes												
	Riprap Aprons												
	Vegetated Swale												
Sediment Removal:													
	Inlets & Manholes												
	Pipes												
	Riprap Aprons												
	Vegetated Swale												
Corrective Maintenance													
Structural Repair													
Erosion Repair													
Other													
Comments: (indicate any repairs which were completed)													

Maintenance reports can be mailed, faxed to (732) 873-5391, or emailed to stormwater@twp.franklin.nj.us

BIORETENTION BASIN w/ EXTENDED DETENTION

20__ Inspection Checklist for Stormwater Management Facilities

Name of Facility: **Bioretention/Extended Detention Basin**

Location/Address: **297 & 305 Davidson Ave, Franklin Twp.**
Block 502.01 - Lot 45.02

Franklin ID #:

Submission for: (Select 1)
- ☐ 1st Quarter
- ☐ 2nd Quarter
- ☐ 3rd Quarter
- ☐ 4th Quarter

BIORETENTION BASIN WITH EXTENDED DETENTION

Date:					
Facility Item:		O.K.[1]	Routine[2]	Urgent[3]	Comments[4]
Inspection Checklist		(X):Completed			
Planted Bottom					
	Debris/Sediment				
	Vegetation				
	Scour/Settlement				
	Standing Water				
Outlet Structure					
	Condition of Structure				
	Trash/Debris				
	Trash Racks				
In/Out Pipes & Structures					
	Condition of Structure				
	Trash/Debris				
	Sediment				
	Settlement				
	Rip Rap Stability				
Embankment/Side Slopes					
	Vegetation				
	Erosion/Sloughing				
	Settlement				
	Unwanted trees				
	Animal Burrows				
	Trash and Debris				
	Seepage				
	Emergency Spillway				
Other					

[1]The item checked is in good condition, and the maintenance program is adequate.

[2]The item checked requires attention, but does not present an immediate threat to the facility function or other facility components.

[3]The item checked requires immediate attention to keep the facility operational or to prevent damage to other facility components.

[4]Provide explanation and details if columns 2 or 3 are checked.

Comments: (Additional comments not listed above)	

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BIORETENTION BASIN w/ EXTENDED DETENTION

20__ Maintenance Log for Stormwater Management Facilities

Name of Facility: **Bioretention/Extended Detention Basin**

Location/Address: **297 & 305 Davidson Avenue, Franklin**
Block 502.01, Lot 45.02

Franklin ID #:

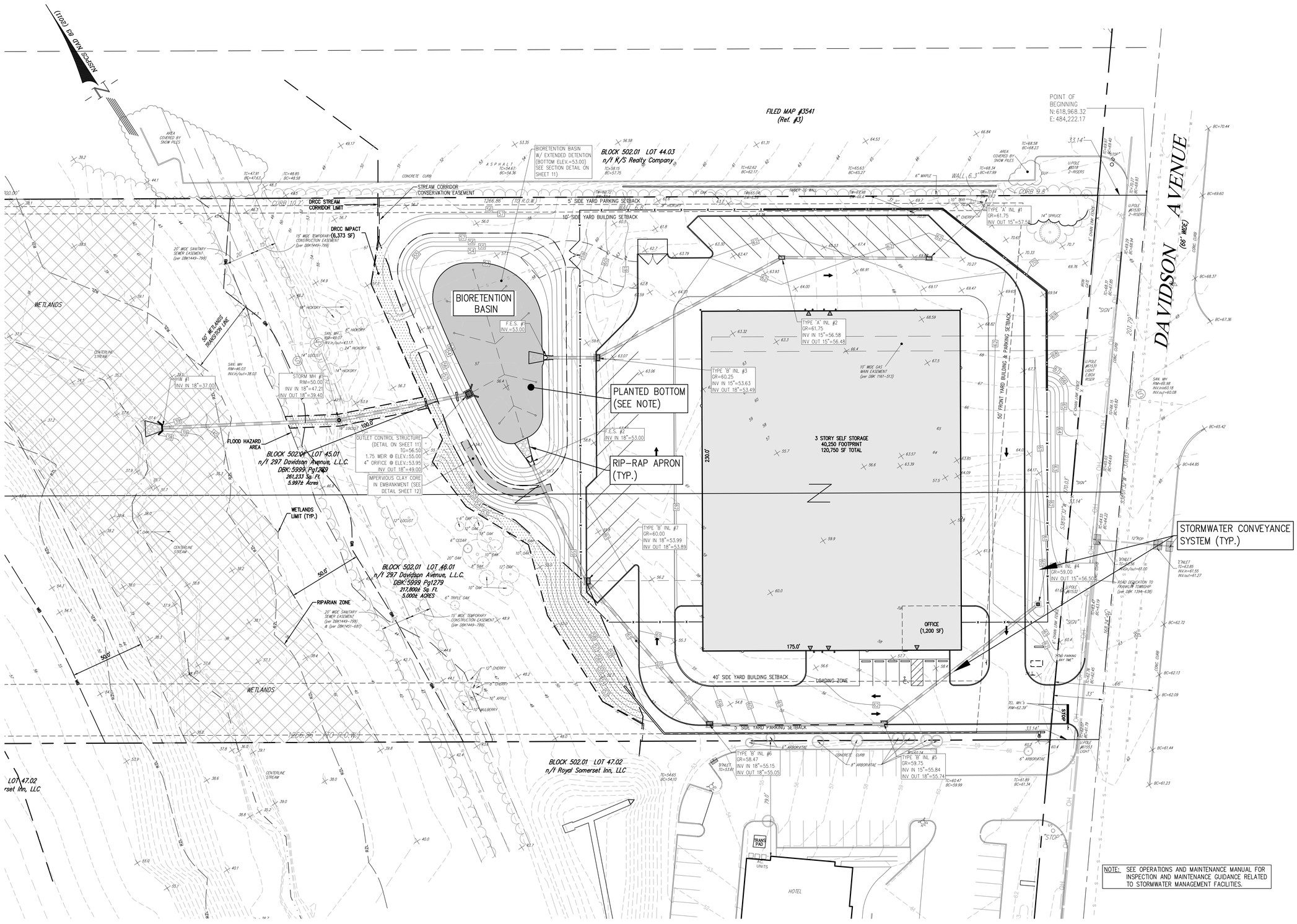
Submission for: (Select One)

- ☐ 1st Quarter
- ☐ 2nd Quarter
- ☐ 3rd Quarter
- ☐ 4th Quarter

BIORETENTION BASIN WITH EXTENDED DETENTION

Date:													
Preventative Maintenance		(X):Completed											
Lawn/Vegetative Area:													
	Cutting (except bottom)												
	Maintenance												
	Pest Control												
	Planted Bottom												
Trash and Debris removal:													
	Trash rack/outlets												
	Underdrains												
	Inlets												
	Slopes/Ramps												
	Rip-Rap												
Sediment Removal:													
	Trash rack/Outlets												
	Underdrains												
	Inlets												
	Slopes/Ramps												
	Rip Rap												
Mechanical Components:													
	Fence (if applicable)												
	Other:												
Corrective Maintenance													
Structural Repair													
Fence Repair													
Erosion Repair													
Other													
Comments: (indicate any repairs which were completed)													

Inspection reports can be mailed, faxed to (732) 873-5391, or emailed to stormwater@twp.franklin.nj.us



BIORETENTION BASIN PLANTED BOTTOM:

BOTTOM OF BASIN SHALL BE PLANTED AND MAINTAINED WITH SITE TOLERANT GRASSES THAT ARE SUITABLE FOR RAIN GARDENS. RE-SEED AS NECESSARY USING PINELANDS NURSERY RAIN GARDEN MIX OR EQUIVALENT.

revisions

no.	date	description
1	10/12/21	PER SCD & TWP COMMENTS/NJDEP PERMIT PLAN
2	01/17/22	PER DEP, DRCC & COUNTY COMMENTS

LEGEND

- GAS VALVE
- GAS METER
- WATER VALVE
- HYDRANT
- WATER METER
- CURB STOP
- FDC FIRE DEPT. CONNECTION
- DRAINAGE MH
- CURB INLET
- LAWN INLET
- SANITARY MH
- CLEANOUT
- BOLLARD
- SIGN
- LIGHT
- MAIL BOX
- GUY WIRE
- UTILITY POLE
- ELECTRIC MH
- CONIFEROUS TREE
- DECIDUOUS TREE
- FENCE
- RAILING
- WALL
- GATE POST
- W — WATER LINE
- G — GAS LINE
- E — ELECTRIC LINE
- S — SANITARY LINE
- OH — OVERHEAD WIRES

Engineers
Landscape Architects
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The Reynolds Group Inc.

State of New Jersey
Certificate of Authorization
Number 24GA27969200
21MH00004300

F. Mitchel Ardman, P.E., P.P.
Jeffrey D. Reynolds, P.L.A.

F. MITCHEL ARDMAN
N.J. PROFESSIONAL ENGINEER LIC. NO. 34317

project

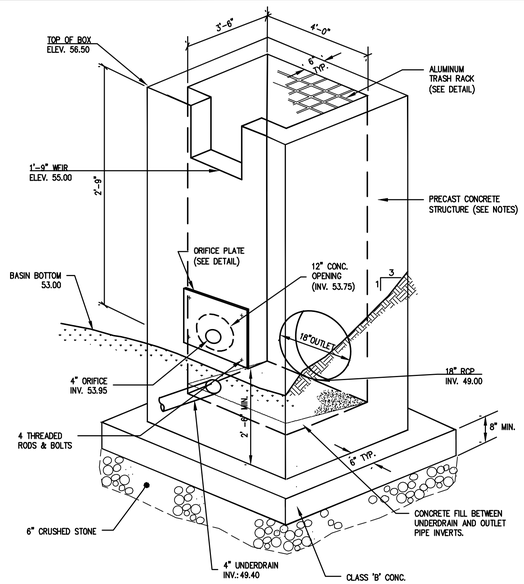
ACCESS SELF STORAGE

BLOCK 502.01, LOTS 45.01 & 46.01
297 & 305 DAVIDSON AVENUE
TOWNSHIP OF FRANKLIN
SOMERSET COUNTY, NEW JERSEY

drawing title

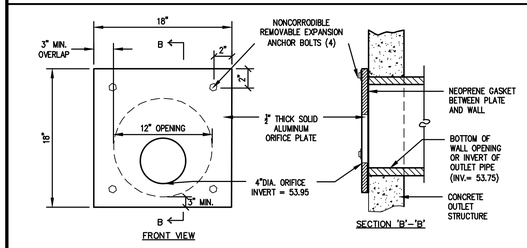
STORMWATER MANAGEMENT FACILITY PLAN

job number	drawing number
21-010	SWM-1
scale: 1"=30'	
checked by: FMA	
drawn by: GH	
date: 09/01/2021	sheet 1 of 2



NOTES:
1. TRASH RACKS SHALL BE MOUNTED ON EXTERIOR FRONT WALL OF O.S. TO PROTECT ORIFICE/WEIR (SEE DETAIL).
2. POLYPROPYLENE LADDER RUNGS SHALL BE INSTALLED ON ONE SIDE WALL @ 12" O.C.
3. THE STRUCTURE SHALL BE DESIGNED FOR HS-20 LOADING AND SHALL MEET NJDOT STANDARD SPECIFICATIONS.
4. SHOP DRAWINGS FOR PRECAST STRUCTURES, PREPARED BY THE PRECAST MANUFACTURER, SHALL BE PROVIDED FOR REVIEW AND APPROVAL.

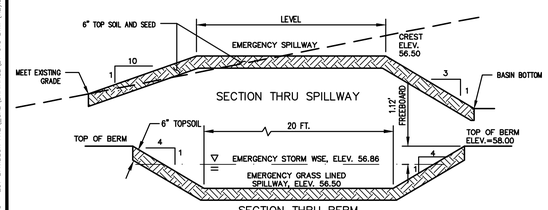
OUTLET STRUCTURE
N.T.S.



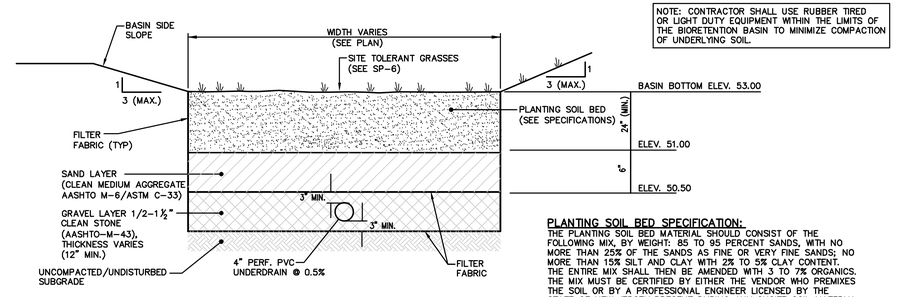
NOTES:

1. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEERING DEPARTMENT FOR REVIEW AND APPROVAL.
2. THE AVERAGE VELOCITY FLOW THROUGH A CLEAN TRASH RACK IS NOT TO EXCEED 2.5 FEET PER SECOND UNDER THE FULL RANGE OF STAGE AND DISCHARGE. VELOCITY IS TO BE COMPUTED ON THE BASIS OF THE NET AREA OF THE OPENING THROUGH THE RACK.
3. TRASH RACKS AND OVERFLOW GRATES SHALL BE CONSTRUCTED AND INSTALLED TO BE RIGID, DURABLE AND CORROSION RESISTANT, AND SHALL BE DESIGNED TO WITHSTAND A PERPENDICULAR LIVE LOADING OF 300 POUNDS PER SQUARE FOOT.

ORIFICE PLATE



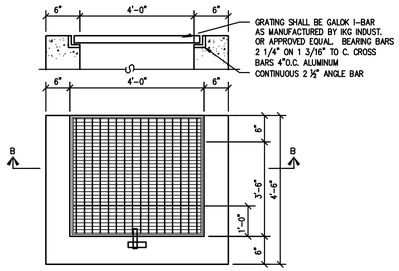
EMERGENCY SPILLWAY WITH GRASS COVER
N.T.S.



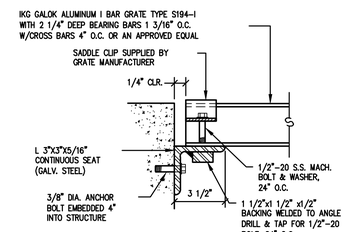
NOTE: CONTRACTOR SHALL USE RUBBER TIRED OR LIGHT DUTY EQUIPMENT WITHIN THE LIMITS OF THE BIORETENTION BASIN TO MINIMIZE COMPACTION OF UNDERLYING SOIL.

PLANTING SOIL BED SPECIFICATION:
THE PLANTING SOIL BED MATERIAL SHOULD CONSIST OF THE FOLLOWING MIX, BY WEIGHT: 85 TO 95 PERCENT SANDS, WITH NO MORE THAN 25% OF THE SANDS AS FINE OR VERY FINE SANDS; NO MORE THAN 15% SILT AND CLAY WITH 2% TO 5% CLAY CONTENT. THE ENTIRE MIX SHALL THEN BE AMENDED WITH 3 TO 7% ORGANICS. THE MIX MUST BE CERTIFIED BY EITHER THE VENDOR WHO PREMIXES THE SOIL OR BY A PROFESSIONAL ENGINEER LICENSED BY THE STATE OF NEW JERSEY PRESENT DURING ANY ONSITE SOIL MATERIAL MIXING. THE MATERIAL'S pH SHOULD RANGE FROM 5.5 TO 6.5. THE MATERIAL SHALL BE PLACED IN 12 TO 18 INCH LIFTS.

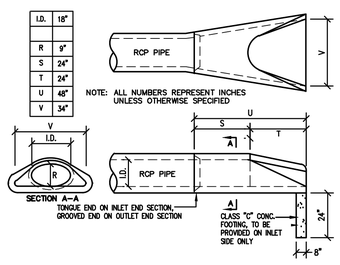
BIORETENTION BASIN SECTION DETAIL



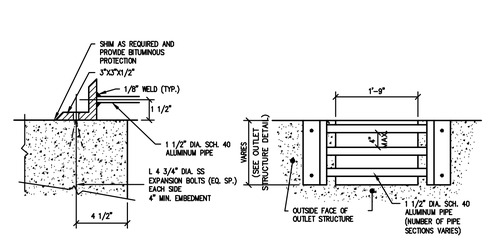
OUTLET STRUCTURE TOP GRATING



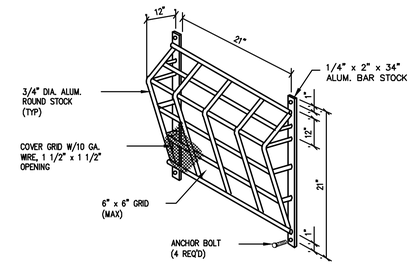
DETAIL 'A'



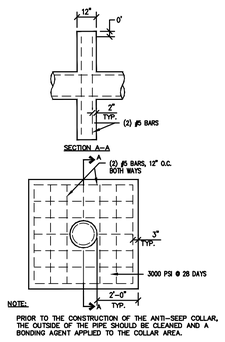
FLARED END SECTION



WEIR TRASH RACK



TRASH RACK FOR 4" ORIFICE



ANTI-SEEP COLLAR

NOTES:

1. THE CLAY CORE SHALL CONSIST OF COMPACTED CLAY MATERIAL (UNIFIED SOIL CLASSIFICATION "CL"). THE MATERIAL SHALL BE CERTIFIED BY A LICENSED NEW JERSEY PROFESSIONAL ENGINEER. THE MATERIAL SHALL BE APPROVED BY THE TOWNSHIP PRIOR TO INSTALLATION. A SOIL IMPORTATION PERMIT WILL BE REQUIRED, IF THE MATERIAL IS NOT FROM A CERTIFIED SOURCE.
2. THE FILL MATERIAL IN ALL EARTH DAMS AND EMBANKMENTS SHALL BE COMPACTED TO AT LEAST 95% OF THE MAXIMUM DENSITY OBTAINED FROM COMPACTION TESTS PERFORMED BY THE APPROPRIATE METHOD IN ASTM D698.
3. TREES AND OTHER VEGETATION WITH LARGE EXTENSIVE ROOT STRUCTURE SHALL NOT BE PERMITTED ON ANY DAM OR EMBANKMENT.
4. THE BASIN IS TO BE TOPSOILED WITH A MINIMUM OF 4" OF TOPSOIL AND SEEDED, INCLUDING THE BOTTOM, SIDE SLOPES AND ALL EARTHEN DAMS AND EMBANKMENTS. "TOPSOIL" IS DEFINED AS THE NATURAL, UNDISTURBED SURFACE LAYER OF SOIL HAVING MORE ORGANIC MATTER THAN SUBSEQUENT LAYERS SUITABLE FOR SATISFACTORY GROWTH AND MAINTENANCE OF PERMANENT, LOCALLY ADAPTED VEGETATION. THE MATERIAL MUST BE FRIABLE, LOAMY SOIL REASONABLY FREE OF DEBRIS, OBJECTIONABLE WEEDS, LUMPS, ROOTS, STONES, OR SIMILAR OBJECTS LARGER THAN 1-INCH IN ANY DIMENSION; HAVE A NATURAL pH OF 5.0 TO 7.5; HAVE AN ORGANIC MATTER CONTENT GREATER THAN 2.00 PERCENT; AND CONTAIN NO TOXIC SUBSTANCES WHICH MAY BE HARMFUL TO PLANT GROWTH THE SEEDING SHALL, AS A MINIMUM, CONFORM TO TYPE "A" GRASS SEED MIXTURE AS DEFINED IN THE NJDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
5. SLOPE TO BE MAXIMUM OF 3:1 OR AS DIRECTED BY THE TOWNSHIP ENGINEER.

EMBANKMENT AND DETENTION BASIN CLAY CORE
N.T.S.
(TO BE USED ON ALL EMBANKMENT AREAS WITH FILL GREATER THAN TWO FEET)

revisions

no.	date	description
1	10/12/21	PER SCD & TWP COMMENTS/NJDEP PERMIT PLAN
2	01/17/22	PER DEP, DRCC & COUNTY COMMENTS

LEGEND

- GAS VALVE
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- BOLLARD
- SIGN
- LIGHT
- MAIL BOX
- GUY WIRE
- UTILITY POLE
- E ELECTRIC MH
- CONIFEROUS TREE
- DECIDUOUS TREE
- X FENCE
- RAILING
- WALL
- GATE POST
- W WATER LINE
- G GAS LINE
- E ELECTRIC LINE
- S SANITARY LINE
- OH OVERHEAD WIRES

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Landscape Architects
Land Surveyors
Planners
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www.reynoldsgrp.com

The Reynolds Group Inc.

State of New Jersey
Certificate of Authorization
Number 24GA27969200
21MH00004300

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project

ACCESS SELF STORAGE

BLOCK 502.01, LOTS 45.01 & 46.01
297 & 305 DAVIDSON AVENUE
TOWNSHIP OF FRANKLIN
SOMERSET COUNTY, NEW JERSEY

drawing title

CONSTRUCTION DETAILS

job number	drawing number
21-010	SWM-2
scale: AS SHOWN	
checked by: FMA	
drawn by: CH	
date: 09/01/2021	sheet 2 of 2

J:\DRAWINGS PROJECTS\2021\21-010 - 297 DAVIDSON AVE_SWM\DRAWINGS\21-010 SWM PKG.DWG (1/25/22)