












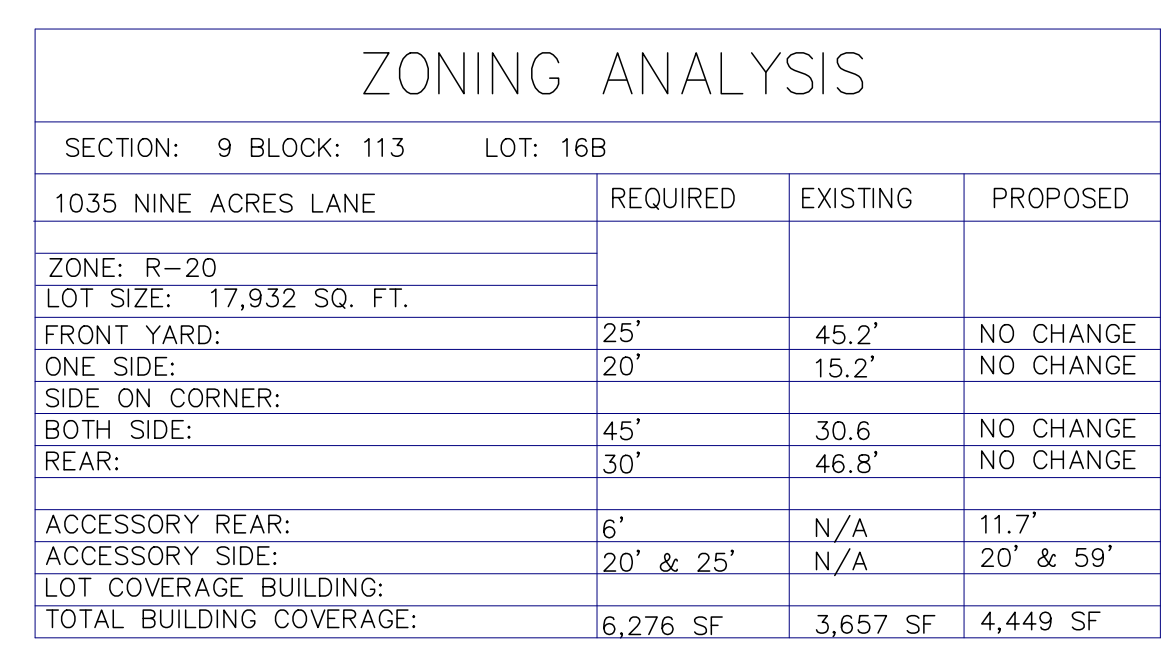


GENERAL PROJECT NOTES:

1. ALL PR. DRAIN PIPES SHALL BE 4" SDR-35 PVC ASTM D3034 WITH MINIMUM 18" PITCH UNLESS OTHERWISE NOTED.
2. POSITIVE PITCH SHALL BE MAINTAINED AROUND THE HOUSE AND POOL AT ALL TIMES.
3. EX. DRAINAGE PATTERNS SHALL BE MAINTAINED AT ALL TIMES.
4. EXISTING HOUSE TO REMAIN.
5. SOIL STOCKPILE AREAS SHOULD NOT BE PLACED OVER PR. CULTIC SYSTEM. EX. STOCKPILE SHOULD BE PROPERLY MOUNTED TO AVOID CRUSHING EX. UTILITIES.
6. LIMIT OF DISTURBANCE =  $5,250 \pm 5F$  (0.12 ACRES $\pm$ ). PROPOSED INCREASE IN IMPERVIOUS AREA =  $1,012 \pm 5F$ .
7. PRIOR TO CONSTRUCTION, SURVEYOR SHALL SET A STABLE BENCHMARK NEAR THE PROPOSED POOL.
8. SUBSURFACE STORMWATER DETENTION FACILITY AND DRAINS TO BE SET 10' MINIMUM FROM ALL PROPERTY LINES.
9. 48 HOURS NOTICE TO BE GIVEN TO THE CITY 48 HOURS NOTICE PRIOR TO INSTALLATION OF PROPOSED STORM WATER DETENTION SYSTEM.
10. A STREET OPENING/DRIVEWAY PERMIT FROM THE DEPT. OF PUBLIC WORKS IS REQUIRED FOR WATER & SEWER CONNECTIONS PER TOWN ENGINEER.



|   |        |                    |
|---|--------|--------------------|
|    | RL     | ROOF LEADER        |
|    | FD     | FOOTING DRAIN      |
|    |        | STONE WALL         |
|    | 11     | EX. CONTOUR LINE   |
|    | 11     | PR. CONTOUR LINE   |
|    | x 10.8 | SPOT ELEVATION     |
|    |        | TREE               |
|    |        | TREE T.B.R.        |
|    | X      | SEDIMENT BARRIER   |
|    | CF     | CONSTRUCTION FENCE |
|  | 1      | INFILTRATION TEST  |
|  | 1      | DEEP TEST          |
|  | 1      | PERCOLATION TEST   |

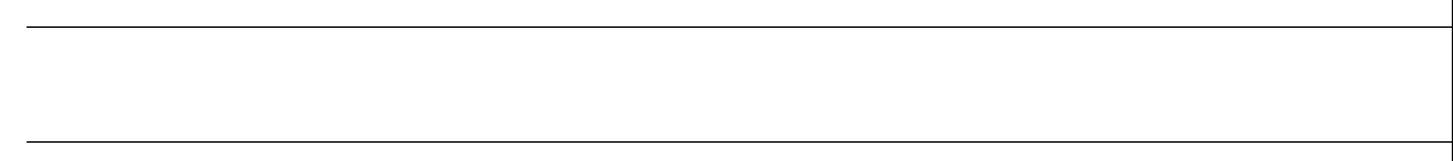


| TABLE OF IMPERVIOUS AREAS |                  |                  |                    |
|---------------------------|------------------|------------------|--------------------|
| SURFACE                   | EXISTING<br>(SF) | PROPOSED<br>(SF) | DIFFERENCE<br>(SF) |
| HOUSE                     | 3,208.8          | 3,208.8          | 0.0                |
| DRIVEWAY                  | 909.4            | 909.4            | 0.0                |
| WALKS                     | 180.2            | 180.2            | 0.0                |
| PADS                      | 30.1             | 48.1             | 18.0               |
| POOL                      | 0.0              | 792.0            | 792.0              |
| DECK                      | 418.1            | 418.1            | 0.0                |
| TOTALS                    | 4,746.6          | 5,556.6          | 810.0              |

NOTE "X" (CONTRACTOR COMPLIANCE):

"I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND AND AGREE TO COMPLY WITH THE TERMS AND CONDITIONS OF THE STORMWATER POLLUTION PREVENTION PLAN. I ALSO UNDERSTAND THAT IT IS UNLAWFUL FOR ANY PERSON TO CAUSE OR CONTRIBUTE TO A VIOLATION OF WATER QUALITY STANDARDS."

| NAME | TITLE | FIRM NAME | ADDRESS | PHONE # | SIGNATURE | DATE |
|------|-------|-----------|---------|---------|-----------|------|
|------|-------|-----------|---------|---------|-----------|------|



NOTE: UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS MAP IS A VIOLATION OF SECTION 7209, SUBSECTION 2, OF THE NEW YORK EDUCATION LAW.

EX. UNDERGROUND UTILITY LOCATIONS BASED ON GROUND MARKINGS OBSERVED IN FIELD.

THE PURPOSE OF THIS PLAN IS TO DEPICT A PROPOSED DRAINAGE SYSTEM FOR THE POOL IN ORDER TO OBTAIN A BUILDING PERMIT FROM THE VILLAGE OF MAMARONECK. IT IS NOT A SURVEY, NOR IS IT INTENDED TO BE USED FOR ANY OTHER PURPOSE. FRANGIONE ENGINEERING, LLC TAKES NO RESPONSIBILITY IF THIS DRAWING IS USED FOR ANY PURPOSE OTHER THAN THAT WHICH WAS INTENDED.

ORIGINAL TOP INFORMATION OBTAINED FROM SURVEY PREPARED BY RICHARD A. SPINELLI, 650 HALSTEAD AVENUE, MAMARONECK, NY 10523 PREPARED FOR THE SUBJECT PARCEL ENLDED "SURVEY OF PART OF LOTS 16 & 17" AS SHOWN ON "SUBDIVISION MAP OF ONE ACRES LANE IN THE VILLAGE AND TOWN OF MAMARONECK, WESTCHESTER COUNTY, NEW YORK" FILED ON JUNE 24, 1955 AS MAP NO. 9993." LAST REVISED JULY 6, 2020. FRANGIONE ENGINEERING, LLC TAKES NO RESPONSIBILITY FOR THE ACCURACY OF THE ORIGINAL TOPOGRAPHIC SURVEY.

UTILITY NOTE:

Underground utilities, facilities and structures have been plotted from surface indications and record sources. The locations of all underground utilities are approximate only. Additionally, there may be other underground utilities the existence of which is presently unknown. Any party utilizing the utility information and data depicted on this survey shall call "DIG SAFELY NEW YORK" at 800-962-7962 a minimum of forty eight (48) hours prior to any construction activities to verify the location of underground utilities.

ZONE IS R-20  
TOTAL AREA=17,932 SQ. FT.

OWNER/APPLICANT:

BARAK KLARFELD  
1035 NINE ACRES LANE  
MAMARONECK, NY 10543

|  |        |  |  |   |  |        |  |
|--|--------|--|--|---|--|--------|--|
|  |        |  |  |   |  |        |  |
| 1  | 2/4/21 | REMOVED PATIO & DRAINAGE   |  |   |  | R.M.F. |  |
| No   | DATE   | DESCRIPTION  |  |   |  | DWG    |  |
|  |        | REVISIONS  |  |   |  |        |  |
| <div style="text-align: center;">PROJECT</div> <div style="text-align: center;"> <h1>PROPOSED STORMWATER MANAGEMENT<br/>PLAN PREPARED FOR<br/>BARAK KLARFELD</h1> <p>1035 NINE ACRES LANE</p> <p>MAMARONECK NEW YORK</p> </div>  |        |  |  |   |  |        |  |
| <div style="text-align: right;">FRANGIONE ENGINEERING, LLC<br/>CIVIL ENGINEERING<br/>STRUCTURAL ENGINEERING<br/>LAND DEVELOPMENT<br/>15 SNOWBERRY LANE<br/>NEW CANAAN, CT 06840<br/>(203) 554-9551 (PHONE)<br/>(203) 966-6957 (FAX)</div>  |        |  |  |   |  |        |  |
| <div style="text-align: center;">DRAWING NAME</div> <div style="text-align: center;"> <h2>OVERALL SITE PLAN</h2> </div>  |        |  |  |   |  |        |  |
| SCALE<br>1" = 20'<br>DATE<br>AUGUST 6, 2020<br>DRAWN<br>R.M.F.   |        | MUNICIPALITY<br>MAMARONECK<br>SHEET No<br>SHEET 1 OF 2<br>SEC. 9, BLOCK 113<br>LOT 16B |  | <div style="text-align: center; font-size: 4em;">S1</div> |  |        |  |
| <div style="display: flex; justify-content: space-between;"> <div>           FILE NAME:<br/>           Z:\MAMARONECK, NY\KLARFELD 1035 NINE ACRES\KLARFELD 1035 NINE ACRES SITE PLG         </div> <div>  </div> </div> |        |  |  |   |  |        |  |

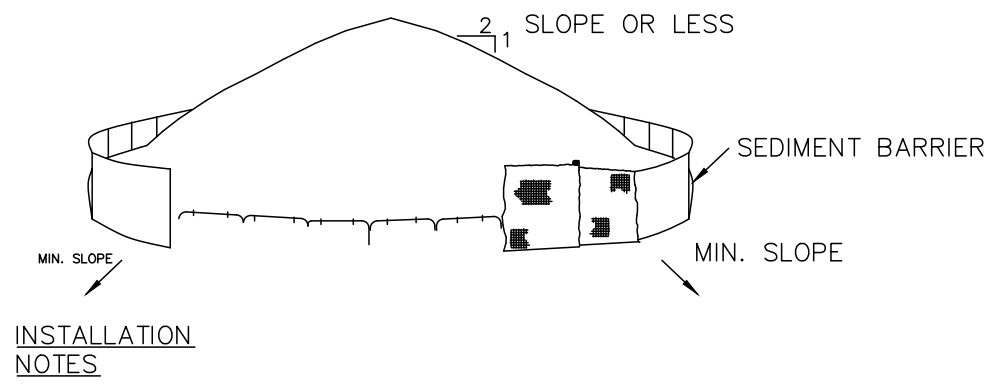


| Soil Data             | DEEP TEST INFILTRATION TEST | Hole #       |
|-----------------------|-----------------------------|--------------|
| Soil Type             |                             | 1            |
| TOPSOIL               |                             | 0 - 8"       |
| DARK BROWN SILTY LOAM |                             | 8" - 21"     |
| MOTTLED GRAY HARDPAN  |                             | 21" - 52"    |
| MOTTLES               |                             | 21"          |
| AGW                   |                             | -            |
| LEDGE                 |                             | -            |
| ROOTS                 |                             | 21"          |
| INFILTRATION RATE     |                             | 3.37 in./hr. |
| 1035 NINE ACRES LANE  |                             |              |

Frangione Engineering LLC  
15 Snowberry Lane  
New Canaan, Connecticut 06840

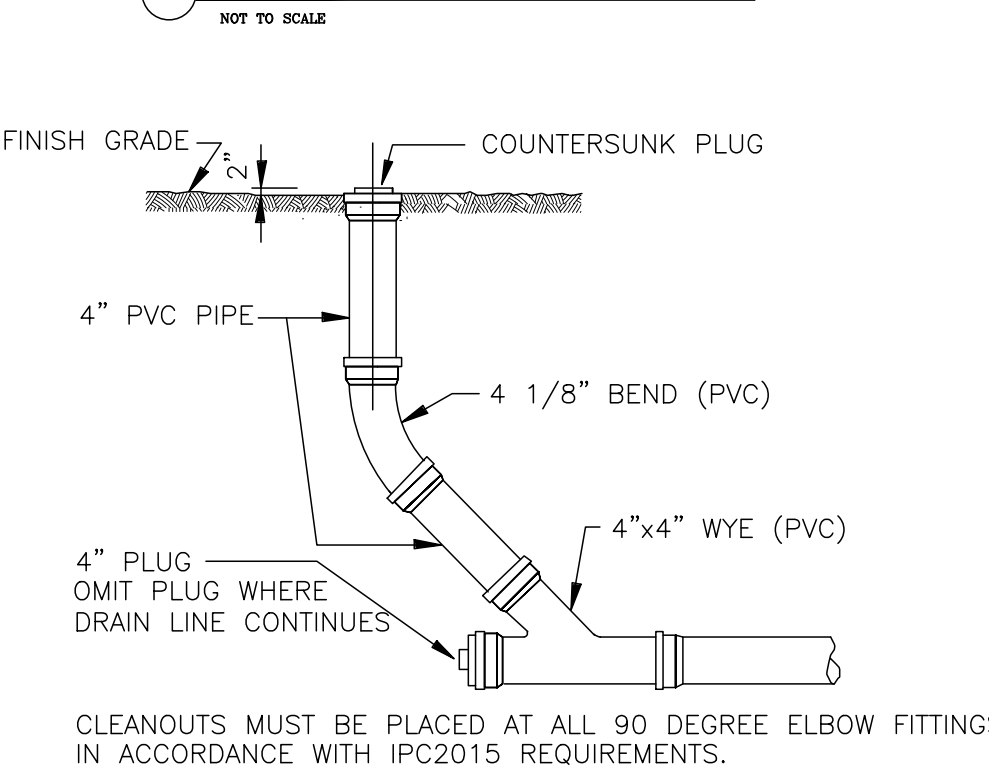
DESIGN DATA SHEET - SEPARATE SEWAGE DISPOSAL.

|  |   |            |      |              |  |  |               |   |                         |               |  |
|--|---|------------|------|--------------|--|--|---------------|---|-------------------------|---------------|--|
| Property Location: Klarfeld  |   |            |      |              |  |  |               |   |                         |               |  |
| 1035 Nine Acres Lane   |   |            |      |              |  |  |               |   |                         |               |  |
|  |   |            |      |              |  |  |               |   |                         |               |  |
|  |   |            |      |              |  |  |               |   |                         |               |  |
| Municipality: Village of Mamaroneck                                  |   |            |      |              |  | Pre-Soak Time: 24 hours                        |               |   |                         |               |  |
| Sanitarian:  |   |            |      |              |  | Date: 7/27/20                                  |               |   |                         |               |  |
| SOIL PERCOLATION TEST DATA REQUIRED TO BE SUBMITTED WITH APPLICATION |   |            |      |              |  |  |               |   |                         |               |  |
| Hole Number  |   | Clock Time |      | Elapsed Time |  | Percolation Depth to Water from Ground Surface |               |   | Percolation Water Level |               |  |
|  |   | Start      | Stop |              |  | Start (Inches)                                 | Stop (Inches) |   | Drop (Inches)           | Soil Rate     |  |
| Percol.  | 1 | 12:20      | 1:06 | 46           |  | 21   | 24            | 3 |                         |               |  |
|  |   | 1:07       | 1:55 | 48           |  | 21   | 24            | 3 |                         |               |  |
|  |   | 1:56       | 2:44 | 48           |  | 21   | 24            | 3 |                         | 1" in 16 min. |  |

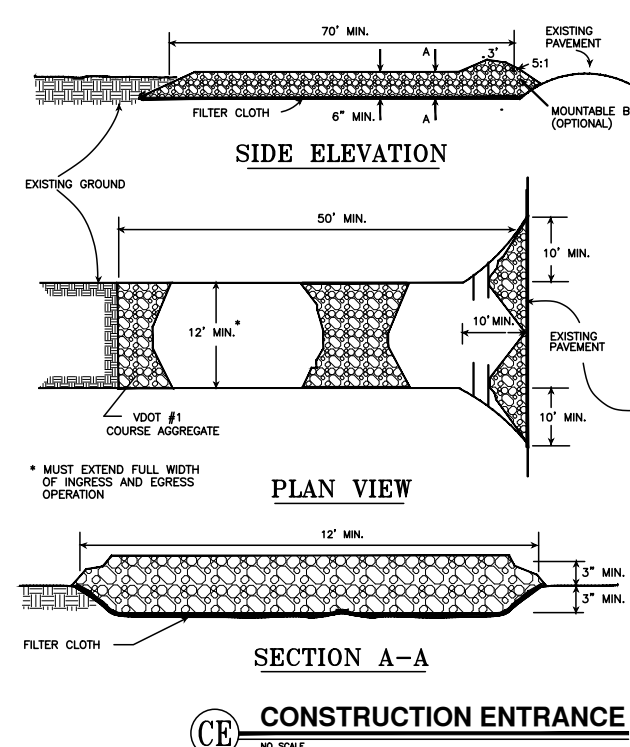


1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAWBALES, THEN STABILIZED WITH VEGETATION OR COVERED.

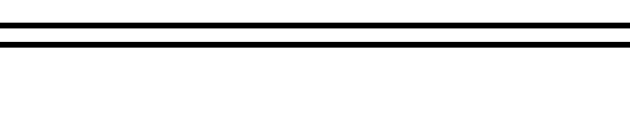
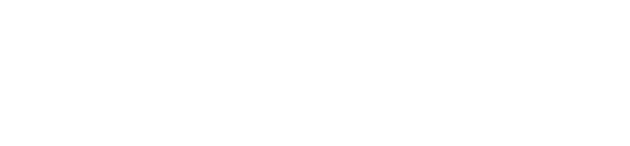
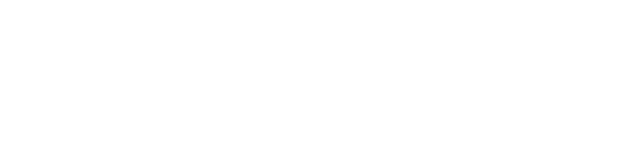
#### TEMPORARY STOCKPILE DETAIL



#### CLEANOUT



#### CONSTRUCTION ENTRANCE



PROPERTY LOCATION: 1035 NINE ACRES LANE, MAMARONECK, NY  
1.1 PROJECT DESCRIPTION:  
This project proposes the construction of a pool & patio.  
The site consists of 17,532 sq. ft. of which one is upland soil. Runoff from the site ultimately discharges to Long Island Sound.  
Island wetlands have not been identified on the site.  
Field topographic mapping was provided by Spinal Land Surveying.  
It is anticipated that construction will commence in the Fall of 2020 after all necessary land use approvals are obtained from the Village of Mamaroneck.

1.2 ESTIMATED DISTURBANCE AREA:  
It is estimated that a total of 0.12 acres will be disturbed for the construction of the pool, patio, and stormwater management system.

1.3 EROSION CONTROL MEASURES:  
The following are erosion control measures to be utilized on this site during the construction period: the protection, siltation fence barriers, stone construction entrances, wood chips for mulch and soil stockpiles.

1.4 CONSTRUCTION PHASES:  
This project will be done in two phases. The first phase shall consist of excavation and prep for the pool. The second phase will consist of the construction of the pool, equipment and stormwater management system.

1.5 CONSTRUCTION START DATES:  
Construction on the site will likely commence within 60 days after all required local land use approvals have been obtained from the Village of Mamaroneck assuming weather conditions permit. It is anticipated that all work will be completed within five months from commencement date.

1.6 DESIGN INFORMATION:  
Maintenance specifications for the erosion control measures are part of this narrative. Construction sequences for each phase are part of this narrative.

1.7 OTHER PERMITS:  
As the site disturbance is well under 1 acre, no additional permits are required for this project. The owner of record shall be responsible for retaining a Licensed Professional Engineer or Certified Erosion & Sediment Control Specialist to inspect the site weekly in accordance with the NYSDDEC guidelines. Monitoring reports shall be prepared and filed with the owner, contractor, Conservation Commission and the Planning and Zoning Commission as required.

1.8 CONSERVATION PRACTICES:  
This project uses several Low Impact Development strategies. All work will be performed 100' from wetlands. The proposed roof leaders will be connected to a subsurface infiltration system. This system will significantly reduce pollutant loads found in non-point source runoff.  
The existing trees along the eastern property line will be protected.

1.9 DOCUMENT LIST:  
1. Storm Water Management Report, which shall be considered part of this SWPPP.  
2. Project Plan Set comprised of Sheets 1 thru 2 of 2.  
2.1 HYDRAULIC CALCULATIONS:  
The Storm Water Management Report contains all of the hydraulic calculations and analyses to demonstrate that runoff rates and volumes will be attenuated for the 1- through 25-year, 24-hour Storms.

2.2 SOIL TEST RESULTS:  
Soil tests were performed on the site and the results appear on sheet 2 of this plan set.

CONSTRUCTION PHASES:  
PHASE 1:  
1. The clearing limits shall be delineated in the field by the project land surveyor. Brush shall be chipped into mulch and placed outside the construction area to be used as mulch as needed. The construction entrance shall be rough graded and the stone pad installed as shown on the site plan.  
2. The perimeter siltation fence barriers shall be installed in those locations shown on the approved plans and in accord with the submitted details.  
3. Stumps shall be removed from the site and disposed off-site in a proper and legal manner.  
4. Excavate for pool and remove all debris via dumpster at an approved, off-site location.

PHASE II:  
5. Construct pool and pool equipment at this time.  
6. The necessary excavation shall be done for the installation of the drainage system. Excavated material shall not be placed near any part of the existing drainage system.  
7. The down pipes shall be installed and connected to the gutter system at this time.  
8. Utility connections shall be made at this time as needed.

9. Grading associated with the remainder of the site, located outside the limits of the house & drive shall be done at this time. Once this grading has been done, all disturbed areas outside the limits of the parking facility and the building shall be covered with a minimum of 6" of topsoil, seeded and mulched.  
10. Final grading, staking and site stabilization.  
11. All erosion control measures shall remain in place and in effective condition until all disturbed areas have been fully stabilized with vegetation.

12. The necessary excavation shall be done for the installation of the drainage system. Excavated material shall not be placed near any part of the existing drainage system.  
13. The down pipes shall be installed and connected to the gutter system at this time.  
14. Utility connections shall be made at this time as needed.

15. Grading associated with the remainder of the site, located outside the limits of the house & drive shall be done at this time. Once this grading has been done, all disturbed areas outside the limits of the parking facility and the building shall be covered with a minimum of 6" of topsoil, seeded and mulched.  
16. Final grading, staking and site stabilization.  
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18. The necessary excavation shall be done for the installation of the drainage system. Excavated material shall not be placed near any part of the existing drainage system.  
19. The down pipes shall be installed and connected to the gutter system at this time.  
20. Utility connections shall be made at this time as needed.

21. Grading associated with the remainder of the site, located outside the limits of the house & drive shall be done at this time. Once this grading has been done, all disturbed areas outside the limits of the parking facility and the building shall be covered with a minimum of 6" of topsoil, seeded and mulched.  
22. Final grading, staking and site stabilization.  
23. All erosion control measures shall remain in place and in effective condition until all disturbed areas have been fully stabilized with vegetation.

24. The necessary excavation shall be done for the installation of the drainage system. Excavated material shall not be placed near any part of the existing drainage system.  
25. The down pipes shall be installed and connected to the gutter system at this time.  
26. Utility connections shall be made at this time as needed.

27. Grading associated with the remainder of the site, located outside the limits of the house & drive shall be done at this time. Once this grading has been done, all disturbed areas outside the limits of the parking facility and the building shall be covered with a minimum of 6" of topsoil, seeded and mulched.  
28. Final grading, staking and site stabilization.  
29. All erosion control measures shall remain in place and in effective condition until all disturbed areas have been fully stabilized with vegetation.

30. The necessary excavation shall be done for the installation of the drainage system. Excavated material shall not be placed near any part of the existing drainage system.  
31. The down pipes shall be installed and connected to the gutter system at this time.  
32. Utility connections shall be made at this time as needed.

33. Grading associated with the remainder of the site, located outside the limits of the house & drive shall be done at this time. Once this grading has been done, all disturbed areas outside the limits of the parking facility and the building shall be covered with a minimum of 6" of topsoil, seeded and mulched.  
34. Final grading, staking and site stabilization.  
35. All erosion control measures shall remain in place and in effective condition until all disturbed areas have been fully stabilized with vegetation.

36. The necessary excavation shall be done for the installation of the drainage system. Excavated material shall not be placed near any part of the existing drainage system.  
37. The down pipes shall be installed and connected to the gutter system at this time.  
38. Utility connections shall be made at this time as needed.

39. Grading associated with the remainder of the site, located outside the limits of the house & drive shall be done at this time. Once this grading has been done, all disturbed areas outside the limits of the parking facility and the building shall be covered with a minimum of 6" of topsoil, seeded and mulched.  
40. Final grading, staking and site stabilization.  
41. All erosion control measures shall remain in place and in effective condition until all disturbed areas have been fully stabilized with vegetation.

42. The necessary excavation shall be done for the installation of the drainage system. Excavated material shall not be placed near any part of the existing drainage system.  
43. The down pipes shall be installed and connected to the gutter system at this time.  
44. Utility connections shall be made at this time as needed.

45. Grading associated with the remainder of the site, located outside the limits of the house & drive shall be done at this time. Once this grading has been done, all disturbed areas outside the limits of the parking facility and the building shall be covered with a minimum of 6" of topsoil, seeded and mulched.  
46. Final grading, staking and site stabilization.  
47. All erosion control measures shall remain in place and in effective condition until all disturbed areas have been fully stabilized with vegetation.

48. The necessary excavation shall be done for the installation of the drainage system. Excavated material shall not be placed near any part of the existing drainage system.  
49. The down pipes shall be installed and connected to the gutter system at this time.  
50. Utility connections shall be made at this time as needed.

51. Grading associated with the remainder of the site, located outside the limits of the house & drive shall be done at this time. Once this grading has been done, all disturbed areas outside the limits of the parking facility and the building shall be covered with a minimum of 6" of topsoil, seeded and mulched.  
52. Final grading, staking and site stabilization.  
53. All erosion control measures shall remain in place and in effective condition until all disturbed areas have been fully stabilized with vegetation.

54. The necessary excavation shall be done for the installation of the drainage system. Excavated material shall not be placed near any part of the existing drainage system.  
55. The down pipes shall be installed and connected to the gutter system at this time.  
56. Utility connections shall be made at this time as needed.

LONG TERM MAINTENANCE SCHEDULE:  
Best Management Practices (BMP) program, for post-development conditions on the project has been developed to manage both the storm water quality. The recommendations are proposed to protect the site and downstream areas.  
The success of the BMP controls requires professional and regulatory input, and monitoring through the implementation of a long-term maintenance program. Refer to the Drainage Summary Report for the post-construction maintenance requirements of the stormwater management system.

PLAN OBJECTIVES AND PRINCIPLES:  
The objectives of the Erosion and Sediment Control Plan are to manage both the runoff and the earthwork operations by using Best Management Practices. The objectives are as follows:  
a. Control erosion at its source with temporary control measures, minimize the runoff from areas of disturbance, distribute stormwater through natural vegetation before being discharged into wetland systems.  
b. Keep land disturbance to a minimum. The site layout has been designed to minimize any potential impacts to off-site parcels.  
c. Construct the project in phases to minimize the area of the site under active construction at one time.  
d. Retain existing vegetation wherever feasible. Siltation fence or other barriers will be used to limit the extent of earthwork.  
e. Stabilize disturbed areas as soon as practical. Earth disturbance shall not occur on a given area until active construction is to take place in this area.  
f. Minimize the length and steepness of slopes.  
g. Maintain low runoff velocities.  
h. Trap sediment on site. Siltation fence barriers and driveway construction entrance will trap sediment during the construction period.  
i. Establish a maintenance and repair program during the construction period. Erosion control measures will be inspected weekly during the spring months, twice a month during the summer and/or following rainfall events of greater than 0.5 inches and repaired as needed to ensure that they function properly.  
j. Assign responsibility for the maintenance program. The responsibility for the maintenance program will be assigned to the contractor who shall designate one of its supervisory personnel to be the liaison to the owner's representative. The owner shall retain the services of a licensed professional who shall inspect and monitor the contractor's methods and have the authority to require modifications to the Erosion and Sediment Control Plan. The town will be copied on all inspection reports prepared on behalf of the project.

TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES - MAINTENANCE REQUIREMENTS:  
1. Siltation fence barriers: Accumulated sediment shall be removed when it has reached a height of 25% of the exposed sediment barrier and disposed off in an appropriate manner.  
2. Construction Entrance: Show for the pad shall be replaced as needed during the construction process to maintain the pad and prevent the tracking of soil onto the road.

CONTROL PLAN IMPLEMENTATION:  
1. The contractor shall inspect the effectiveness and condition of erosion control devices during storm events, and after each rainfall event of 0.5" or more, prior to weekends and prior to forecasted large storm events.  
2. The contractor shall repair or replace damaged erosion control measures immediately, and in case, more than four hours after observing such deficiencies.  
3. The contractor shall be prepared to implement interim drainage controls and erosion control measures as may be necessary during the course of construction.  
4. The contractor shall make available to all on-site all equipment, materials and labor necessary to effect emergency erosion control measures within four hours of any impending emergency situation.  
5. The contractor shall make a final inspection, and clean up any tracked sediment on the existing road.  
6. The contractor shall have on call at all times, a responsible representative who, when authorized, will mobilize the necessary personnel, materials and equipment and otherwise provide the required action when notified of any impending emergency situation.  
7. The contractor shall supply a telephone number to the town engineer, planning agent so that the contractor may be contacted during the evenings and on weekends, if necessary.  
8. The contractor shall maintain a minimum of 150 ft of all fence, 20 straw bales and 1 ton of modified riprap on the site for use during emergencies during the development of the project.

GENERAL EROSION AND SEDIMENTATION CONTROL PLAN NOTES:  
1. Grading on this site shall be done in such a manner as to prevent stagnant water from collecting in depressions.  
2. All erosion and sedimentation control measures will be installed prior to the start of any construction activity.  
3. All erosion and sedimentation control measures shall be constructed in accordance with the submitted construction details and in compliance with the specifications and standards found in the "Guidelines for Soil Erosion and Sediment Control" as prepared by the State of New York, latest revision.  
4. Siltation fence barriers will be installed at the limit of all disturbed areas. Staked straw bales, will be utilized as necessary during the construction period. All work done shall be in accordance with the details shown on the plans.  
5. Land disturbance will be kept to a minimum. Restabilization of all disturbed areas will occur as soon as final grading is complete. Inactive disturbed areas must be stabilized within 14 days.  
6. All erosion and sedimentation control measures will be maintained in an effective condition throughout the construction period.  
7. Accumulated sediment will be removed from the control structures and disposed of in a lawful and safe manner.  
8. Additional control measures will be installed during the construction period if the Zoning or Wetland Enforcement Officer requires them. The design engineer shall inspect the site periodically to ensure the proper installation of erosion control measures.  
9. Regular inspections of the construction site shall be made by a representative of the Town of Mamaroneck and a professional retained by the owner to assure compliance with the approved plans.  
10. The responsibility for implementing the erosion and sedimentation control plan, informing all parties engaged on the construction site of the requirements and objectives of the plan, notifying the appropriate town agencies of any transfer of this responsibility and for conveying a copy of the erosion and sedimentation control plan if title to the land is transferred is placed upon the owner of record.

INDIVIDUAL RESPONSIBLE FOR IMPLEMENTING EROSION & SEDIMENTATION CONTROL PLAN:  
BARAK KLARFELD  
1035 NINE ACRES LANE  
MAMARONECK, NEW YORK 10543

VILLAGE OF MAMARONECK STORMWATER INSPECTION SCHEDULE  
To schedule inspections, the applicant shall contact the Engineering Department at 914-777-7731 at least 48 hours before any of the following:

1. Installation of erosion and sediment control devices (Pre-construction)
2. Installation of storm water management practices and drainage structures
3. Completion of site clearing,
4. Completion of rough grading,
5. Completion of final grading,
6. Close of the construction season,
7. Completion of final landscaping, and
8. Establishment of landscaping in public areas.
9. One year post-completion maintenance (Bond Release)

POST-CONSTRUCTION DRAINAGE SYSTEM INSPECTION & MAINTENANCE REQUIREMENTS  
Recommended Frequency of Service:  
As further defined below, all stormwater components should be checked on a periodic basis and kept in full working order. Ultimately, the required frequency of inspection and service will depend on runoff quantities, pollutant loading, and clogging due to debris. As a minimum, we recommend that all stormwater components be inspected and serviced twice per year, once before winter sanding operations begin and once sanding operations have been completed and spring sweeping/maintenance operations are complete. The inspections must be completed by an individual experienced in the construction and maintenance of stormwater drainage systems. Once every five years the inspections must be completed by a professional engineer.

Service Procedures:  
1. Storm Drainage Piping and Manholes/Junction Boxes:  
a. All storm drainage piping shall be completely flushed of debris and accumulated sediment at the completion of construction.  
b. Manholes/Junction Boxes shall be inspected and repaired on an annual basis.  
c. Unless system performance indicates degradation of piping, comprehensive video inspection of storm drainage piping shall occur once every five years.  
d. Any additional maintenance required per the manufacturer's specifications shall also be completed.

2. Drainage Outfalls/Splash Pads/Scour Holes/Level Spreaders:  
a. All outfalls shall be completely cleaned of accumulated debris and sediments at the completion of construction. Any repairs to outlet protection material (rip rap) shall be performed.  
b. For the first year, outfalls shall be inspected on a quarterly basis.  
c. Any accumulated debris shall be removed and any repairs made to the outfalls as required.  
d. From the second year onward, visual inspections shall occur twice per year, once in the spring and once in the fall, after fall cleanup of leaves has occurred.  
e. Accumulated debris shall be removed and repairs made as required.  
f. Any erosion shall be promptly repaired and the causes of the erosion shall be identified and corrected.  
g. Any additional maintenance required per the manufacturer's specifications shall also be completed.

3. Drywells and Infiltration Systems:  
a. All drywells/infiltrators shall be completely cleaned of accumulated debris and sediments upon the completion of construction.  
b. For the first year, the drywells/infiltrators shall be inspected on a quarterly basis.  
c. Any accumulated debris within the drywells/infiltrators shall be removed and any repairs made to the units as required.  
d. From the second year onward, visual inspections shall occur twice per year, once in the spring and once in the fall, after fall cleanup of leaves has occurred.  
e. Accumulated debris within the units shall be removed and repairs made as required.  
f. Any additional maintenance required per the manufacturer's specifications shall also be completed.

4. Roof Gutters:  
a. Remove accumulated debris and inspect for damage. Any damage should be repaired as required.

POST-CONSTRUCTION DRAINAGE SYSTEM INSPECTION & MAINTENANCE CHECKLIST  
Storm Drainage Piping and Manholes/Junction Boxes:  
• Has accumulated debris been removed? Yes No N/A  
• Do any manholes require additional repair? (Identify below) Yes No N/A  
• Is there any evidence of stormwater piping damage? Yes No N/A  
• Has a comprehensive video inspection been completed? Yes No N/A  
Notes:  
Drainage Outfalls/Splash Pads/Scour Holes/Level Spreaders:  
• Have all drainage outfalls been cleaned of debris? Yes No N/A  
• Have all outlet protections been inspected/repaired? Yes No N/A  
• Have all erosion issues been repaired? Yes No N/A  
Notes:  
Drywells and Infiltration Systems:  
• Have units been cleaned of debris/sediments? Yes No N/A  
• Do units require additional repair? (Identify below) Yes No N/A  
• Has draining times of system been verified? Yes No N/A  
Notes:  
Roof Gutters:  
• Has accumulated debris been removed from gutters? Yes No N/A  
• Do any gutters require additional repair? (Identify below) Yes No N/A  
Notes:  
NOTE: UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS SURVEY MAP IS A VIOLATION OF SECTION 7209, SUBSECTION 2, OF THE NEW YORK EDUCATION LAW.

1 2/4/21 ADDED & REMOVED DETAILS R.M.F.  
No DATE DESCRIPTION DWG

REVISIONS

PROJECT  
PROPOSED STORMWATER MANAGEMENT  
PLAN PREPARED FOR  
BARAK KLARFELD  
1035 NINE ACRES LANE  
MAMARONECK NEW YORK

DRAWING NAME  
DETAILS & NOTES

SCALE AS NOTED MUNICIPALITY MAMARONECK SHEET No  
DATE AUGUST 6, 2020 SHEET 2 OF 2  
DRAWN R.M.F. SEC. 9, BLOCK 113  
LOT 16B

FILE NAME:  
C:\MAMARONECK, NY\1035 NINE ACRES\1035 NINE ACRES SITE PLW.DWG

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