

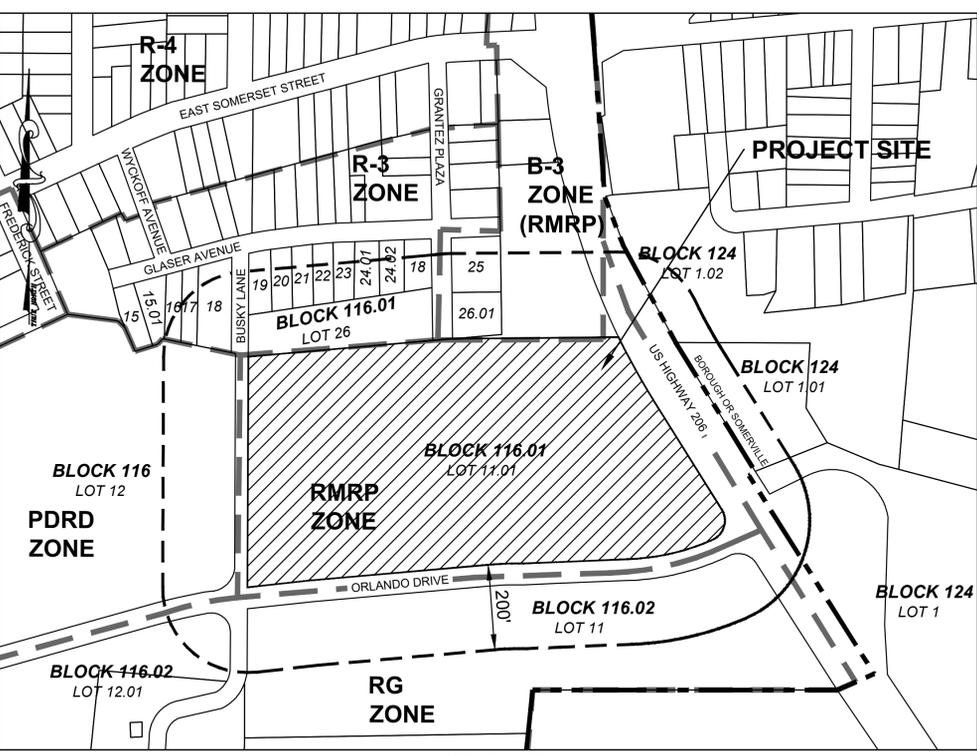


P: 081289 - Dimension Raritan\_081289-01-001 (ENG)\Engineering\Engineering Plans\05-PSFP\_081289-SP-KEY.dwg 10/02/25 02:44:58PM, isonard.rulledege, LAYOUT:KEY

GENERAL NOTES

- 1. Boundary and Topographic Information shown hereon taken from a map entitled "Survey of Property, Tax Lot 11.01, Block 116.01, 166 Orlando Drive, Township of Raritan, Somerset County, New Jersey" prepared for Raritan Mall LLC by Lakeland Surveying dated 10/27/22. Vertical Datum NAVD 1988. Equation to NGVD 1929 is as follows: NGVD29 = NAVD88 + 0.9 feet.
2. Underground utilities shown hereon are approximate and based solely upon above ground observations, mark-outs and/or plans provided by utility companies. The accuracy or completeness of the information shown regarding underground utilities is not guaranteed by the engineer. Connections between structures, if and where shown, may not represent actual below ground conditions. Contractor and subcontractors are responsible for ordering mark-outs, coordination with the various utility companies and for making their own determination as to the location and depth of all underground utilities prior to any construction to assure disturbance and/or disruption of existing utilities is avoided where possible and minimized in all cases. As the exact elevation of existing utilities may be unknown to engineer, contractor is advised that the potential for conflicts with proposed work may exist. Exploratory excavations, contract contingencies or exclusions with Owner should be made to accommodate such an event. In the event the Contractor identifies a conflict between the proposed work and existing utilities, the conflict shall be brought to the attention of Bowman Consulting Group and the Owner prior to any work being performed.
a. The Contractor shall determine the location and depth of the existing utility to which connection is being made before laying any pipe, conduit, etc. Discrepancies shall be reported to Bowman Consulting Group.
a. Any temporary interruption of service to the site and/or adjacent properties shall be pre-approved in writing (email) by the respective utility.
b. Electric, telephone, cable television and all other utility services shall be installed underground at locations determined by each respective utility entity, subject to any required municipal approval, regardless of whether or not the utilities are shown on the plans. The Contractor shall coordinate the construction of all utility mains and services with each utility entity and provide whatever construction support is required for achieving utility service. The Contractor is advised to contact each respective utility company prior to construction to identify and coordinate any scheduling requirements.
c. Should it be required to excavate one or more trenches in existing roadways, backfilling and pavement replacement/repair shall be in accordance with the specifications of the municipality or county, as applicable. Verification of backfill requirements shall be made prior to bid.
3. Contractors and subcontractors are responsible for making their own determinations regarding subsurface conditions, including but not limited to soil characteristics, as well as depth to rock and groundwater. Except where shown for the proposed seepage pits, Bowman Consulting Group was not contracted to make any such determinations.
4. The proposed buildings shown hereon are as taken from architectural plans prepared by Architrave Group PC.
5. The engineer signing this plan is not qualified to make a determination as to the presence or absence of contamination or other environmental conditions on the site. Therefore, no statement is being made or implied by the fact that no evidence of contamination or other environmental conditions is shown on this plan.
6. The Owner shall provide a copy of all permits and approvals issued for the project to the Contractor. The Contractor shall be responsible for reading and complying with the terms and conditions of all permits, approvals and authorizations issued by the various regulatory authorities for the project. The Contractor is also responsible for confirming with the Engineer that the permits and approvals provided by the Owner is complete.
Responsibility for any additional permits required as construction progresses, such as building permits (including building permits for retaining walls) and road opening permits shall be coordinated between the Contractor and Owner.
7. Prior to any construction or site preparation activity, the Contractor shall complete the following:
• Verify the plans contain the raised seal of the engineer and display the latest revision as "Issued for Construction." The use of any other plans is at the Contractor's risk.
• Verify the information shown on these plans is consistent with the information shown on all other plans (architectural, landscaping, etc.) being used for construction of the project. Also, verify the plans are consistent with all conditions and requirements set forth in the permits. Report any discrepancies/inconsistencies to the Owner and Bowman Consulting Group prior to any construction.
• Determine all applicable specifications, as well as all requirements for shop drawings, inspections and testing applicable to project by contacting the local building official, municipal engineer and each affected utility company (or agency). In the event of a conflict between any specifications and the information shown on these plans, Bowman Consulting Group and the Owner shall be notified in order to resolve the conflict prior to any construction.
• Contact the local police department relevant to any work to be performed in or near public streets, as well as ingress and egress requirements during construction. Traffic control requirements shall be established between the Contractor and police department at this time.
8. These plans are intended specifically and solely for the subject project and shall not be used for any other purpose. The copying or modification of these plans or any portion thereof is a violation of copyright law.
9. Contractor shall consider the information provided on the full set of plans for the construction of all project elements. Notes and information provided on one drawing may also be relevant to information or details provided on another drawing.
10. Relevant documentation pertaining to any product proposed by the Contractor on the basis of an "approved equal" shall be submitted to the municipal engineer and Bowman Consulting Group at least two weeks in advance of ordering product. The product must be approved for incorporation into the project by both the municipal engineer and Bowman Consulting Group.
11. All confirmations/verifications between the Contractor, Owner and/or Engineer shall be via email or other written form(s) of communication.
12. Contractor to notify the SUSCD in writing at least 48 hours prior to any site preparation or construction activities. Proof of notification shall be provided to the Engineering Division upon request.
13. Contractor to call the New Jersey One Call System (800-272-1000) to have all underground utilities located prior to any site disturbance.
14. The Contractor shall provide the Owner and Bowman Consulting Group with a list of all shop drawings, inspections, testing, certifications, as-built plans and similar post-construction approval requirements pertaining to the project. The list shall also identify the specific individual responsible for performing each test and/or providing each certification and/or as-built map. In particular, should NJDEP permits apply to any utility construction and should the permit require a certification of the work upon completion, the Contractor shall determine the individual responsible for providing the certification. The Contractor shall then be responsible for coordinating with each individual identified on the list and scheduling his work to assure each individual has sufficient opportunity to conduct the required tests, obtain required measurements and/or perform any services or work required to prepare the required post-construction approval documents.
15. Contractor to coordinate all work with all utility companies and/or public agencies providing utility service, as applicable, and abide by all of their requirements relevant to the performance and inspection of all work affecting their utilities, including complying with any and all testing requirements. In the event requirements or specifications of the utility company or public authority conflict with the plans, the municipal requirements shall govern. In such case, the Contractor shall advise the Owner and Engineer prior to proceeding with any work.
16. Contractor to coordinate with the Owner relevant to the scheduling of all work and any restrictions thereto, (such as maintaining operations at the site or ingress/egress restrictions, etc.). Any requirements for phasing and/or multiple mobilizations shall be identified and resolved prior to commencement of the work.
17. It is the Contractor's responsibility to protect all property markers and monuments from disturbance throughout construction. Notify the Owner immediately should any property markers or monuments be inadvertently disturbed or damaged.
18. Prior to any construction, the horizontal limits of the work (Limits of Disturbance - LOD) shall be established and delineated on-site. Disturbance beyond these permitted limits exposes the contractor to fines and penalties by regulatory agencies.
19. The exact location of all work shall be established from the control points and all stakeout shall be referenced from baselines established from the control points. All dimensions and distances, both horizontal and vertical, shall be verified for consistency with the plans by the entity responsible for layout prior to the construction of each project element. In the event of any discrepancies between the layout and dimensions/distances shown on the plans, the layout entity shall notify Bowman Consulting Group for resolution of the discrepancy prior to any construction for the specific element.
20. Information for field layout shall be taken from the plans. Graphical information as may also be provided via electronic files is intended as drawing data only and is not to serve as basis for survey layout. Standard practice requires the layout entity check dimensional data for consistency and to make survey calculations as customary for layout.
21. The location and inverts of all existing storm and sanitary sewers shown hereon shall be verified by the Contractor prior to any construction. Any discrepancies shall be reported to Bowman Consulting Group immediately and no construction shall commence until any such discrepancies are resolved. Storm and sanitary sewer layout and construction shall proceed from downstream to upstream throughout the entire project.
22. The intent of the plans is to provide a smooth transition, maintaining effective positive drainage, at all locations where the proposed construction is to connect to existing infrastructure, such as for curb, pavement, and sidewalk. The entity responsible for stakeout shall-prior to any construction-verify the intended smooth connections will be achieved. Unless otherwise noted on the plans or directed by the inspecting authority, smooth transitions shall be considered to meet the following minimum criteria:
• No low points or "bird baths" will be created, except at locations where drainage inlets exist or will be constructed.
• All final grades will have a minimum slope of 0.5%.
• Abrupt changes in grade are avoided. Slope changes exceeding 2.0% shall be considered abrupt for the purpose of this requirement.
In the event the entity responsible for layout should determine a smooth transition cannot be achieved at one or more locations, Bowman Consulting Group shall be notified for resolution prior to any construction.
23. Contractor is responsible for their own verification of existing topographic information, should there be any suspected discrepancies with the topography depicted on the plans and actual physical conditions. Any

- confirmed discrepancy identified by the Contractor's verification shall be reported to the Engineer for resolution prior to any site disturbance. Once any site disturbance occurs, the Contractor shall have no claim for extra work based upon suspected or confirmed topographic discrepancies.
24. The Contractor is solely responsible for construction site safety and for determining the means and methods for all construction activities. All safety precautions must be undertaken and maintained as required by local, State and Federal codes.
25. Contractor to comply with the traffic control plan, if provided. If a traffic control plan is not provided, the Contractor shall determine and comply with any and all traffic control requirements of the local police department and any public agency having jurisdiction relevant to any construction in or near public streets as well as for ingress and egress during construction.
26. The Contractor shall provide necessary barricades, sufficient lights, signs, and other traffic control measures as may be necessary within the project for the protection and safety of the public. All such traffic control devices shall be maintained in satisfactory condition throughout the construction period.
27. The plan has been designed with the intent to comply with all applicable requirements for barrier free access, including the site and all requirements of the New Jersey International Building Code, Chapter 11, as well as the Americans with Disabilities Act (ADA). In general, barrier free access to site construction is to be provided (between all parking spaces designated as ADA and the front door of adjacent buildings). However, prior to construction, the Contractor shall verify the routes required to be barrier free with the local building code official. Should any identified routes conflict with the grading shown on the plans, the Contractor shall notify Bowman Consulting Group for resolution prior to any construction.
28. The Contractor is responsible for the completed construction along barrier free routes complying with all applicable requirements of NJIBC Chap 11, whether specifically stated on the plans or not. In particular, the following requirements are noted:
a. Slopes within accessible parking spaces and adjacent access aisles shall not exceed two percent (2.0%) in any direction.
b. Slopes for curb ramps shall not exceed 1:12 (8.3%)
c. All doorways shall have an exterior landing at least four feet wide and five feet long, sloped for positive drainage at two percent (2.0%) max, unless otherwise specified on the plans.
d. Each barrier free route shall provide for a minimum four foot unobstructed (car overhangs at curbs must be considered) with a longitudinal (direction of travel) slope no greater than 1:20 (5%). Cross slope shall not exceed two percent (2.0%). In turning areas, cross slope must be less than 2.0 % in all directions. Where shown on the plans and/or where the grading along the path of travel exceeds 5%, a ramp with a maximum slope of 1:12 (8.3%) shall be constructed, having a maximum rise of 30 inches. Hand rails complying with NJIBC Chap 11 requirements shall be installed for all such ramps, except curb ramps at pavement edges.
e. Refer to the detail sheets for landings at curb ramps. All other ramps shall be provided with landings at each end and each landing shall be at least five feet long with a width matching the width of the ramp. Landings shall slope no more than two percent (2.0%) in any direction.
The Contractor is responsible for assuring all construction along barrier free routes complies with all requirements.
29. Prior to the actual pouring of concrete along barrier free routes, the Contractor shall check all formwork to verify compliance with the applicable barrier free requirements and request confirmation of same by the inspecting authority.
30. Unless indicated otherwise in the plan, all sidewalk shall be a minimum of four feet wide, except adjacent to the end of parking stalls where sidewalk shall be a minimum of six feet in width.
31. The details shown on these plans for retaining walls and (insert other project specific structures, if any) have been prepared for the purpose of Preliminary/Final Municipal agency review and approval. Structural designs for all walls must be prepared by the Contractor (or Owner) and prepared by an engineer licensed in New Jersey. The wall design must abide by any specifications relevant to type of wall, color and/or texture (list other approved attributes, if any).
32. A building permit is required for all walls four or more feet in height. Contractor/Owner is responsible for securing said permit(s).
33. Bottom of wall elevations (BW) shown on the plans indicate ground elevation at toe of wall upon completion of construction. Footing elevations to be taken from the structural plans prepared by the Contractor/Owner.
34. It is not the intent of these plans to provide structural design for any pre-cast or cast in place concrete structure. All structural design of pre-cast and/or cast-in-place concrete structures shall be prepared by a Professional Engineer retained by the Contractor.
35. Post-construction certification as to the construction of a retaining wall or other structural components to be provided by a professional engineer engaged by the Contractor/Owner.
36. Where shop drawings are specified on the plans or required by an inspecting authority, at least three copies of the drawings shall be provided to Bowman Consulting Group for approval. Contractor to determine the number of copies required by the inspecting authority. All shop drawings are to be prepared by a New Jersey professional engineer.
37. All construction shall conform to the requirements of any applicable Federal, State or Local law, regulation and/or ordinance.
38. Unless otherwise noted, all materials and workmanship shall conform to the New Jersey Department of Transportation Standard Specifications for Road and Bridge Construction, latest edition.
39. Contractor shall complete all work in a workmanlike manner to the full satisfaction of the Owner.
40. Contractor shall be responsible for site clean-up following completion of construction. All disposal of debris shall be in accordance with applicable local, county, state and federal regulations.
41. Any damage to existing infrastructure, including but not limited to, pavement, sidewalks, curb, lighting facilities, utilities, or landscaping, due to the actions of the Contractor shall be repaired by the Contractor (at his sole expense) to the satisfaction of the owner of the damaged item.
42. All equipment, materials, etc. shall be confined to the project site. No encroachment onto public right-of-ways or adjacent properties is permitted unless specified on the plans or granted to the Contractor in writing.
43. Any omissions in the standard details or lack of information must be brought to the attention of Bowman Consulting Group prior to construction.
44. Existing pavement shall be saw cut in straight lines to the full depth of the existing asphalt (except at the edge of butt joints).
45. The frame and grates of all inlets, manholes and sewer cleanout boxes shall be adjusted as necessary to match proposed grades. All such elevation adjustments shall be performed in accordance with all applicable specifications and regulations.
46. All on-site water main shall have a minimum cover of 4 feet.
47. Sanitary sewer shall be separated from water mains by a distance of at least 10 feet horizontally or 18-inches vertically, if horizontal separation is not possible.
48. All storm and sanitary sewer pipe lengths shown hereon are from center of structure to center of structure, unless otherwise indicated.
49. All HDPE to be N-12 double walled, (soil tight, water tight) corrugated pipe as manufactured by Advanced Drainage Systems, or approved equal.
50. All PVC sanitary sewer pipe shall be SDR-35, see plan for sizes.
51. All water main pipe shall be cement lined ductile iron pipe, Class 52, unless otherwise noted on the plan or required by the water purveyor.
52. All roof leader drains to be PVC SDR-35, unless otherwise noted on the plans. All leader drains to be installed with two foot minimum cover.
53. All roof drains shall be connected to the storm sewer system unless otherwise shown on the plans.
54. All pipe shall be installed in accordance to applicable manufacturers' specifications.
55. Fire lanes shall be provided in accordance with fire official's requirements.
56. Approximate location of flood plain is provided on Sheet 3 and is located on the adjacent property to the south and not on the subject property. The flood plain is digitized per the Flood Insurance Rate Map dated September 28, 2007.
57. At least one (1) week prior to commencement of work, a pre-construction meeting is required with the Township.
58. Prior to the issuance of a Building Permit, the applicant shall submit a certified copy of the deed of record showing that the Maintenance Plan for the Stormwater Management Measures have been recorded upon the Deed of Record for the property in question, as required under NJAC 7-8-5.8(d).
59. No clearing, tree cutting, or construction work shall occur on the site until the limits of disturbance and soil erosion control measures are in place and have been approved in the field by the Township Engineer.
60. The applicant/contractor shall clean up any dirt spill prior to the end of the work day and shall implement corrective measures to prevent from re-occurring.
61. The applicant/contractor shall clean up sediment and repair/reinforce the soil erosion control measures to eliminate such erosion.
62. Cover each temporary inoperative fire hydrant with a suitable bag for easy identification so as to prevent problems during required emergency use, and notify the Fire Official of such hydrant location.
63. Request and obtain engineering inspection, as per Chapter 134-113 of the Township Code, of all improvements. Work shall not be covered until inspected and pass/approved. Installation of public improvements shall not be performed on Saturdays, Sunday and/or Township holidays unless authorized in advance by the Township Engineer.
64. Any blasting of rock shall require a Township Blasting Operations Permit and full compliance with all the provisions of the Wayne Township Blasting Regulations in Chapter 52 of the Township Code.
65. Bonds may be returned upon satisfactory completion of the work and/or issuance of Final Certificate of Occupancy. A letter requesting the return of same shall be filed with the Township Clerk, with a copy to the Township Engineer.
66. Should the proposed lighting as shown on the site plan cause any glare or annoyance to adjoining neighbors, roads and/or other properties after its installation, the owner shall correct same at his expense and at the direction to the Township Engineer.
67. A Township of Wayne Industrial Pretreatment permit is required for this use and will be provided prior to construction and coordinated with the Township of Wayne Water and Sewer Division.



PROPERTY OWNERS LIST

- BLOCK-LOT: 116.01-20 CONDE, ENRIQUE 25 GLASER AVENUE RARITAN, NJ 08869
BLOCK-LOT: 116.01-19 PATENTE, DIANE 27 GLASER AVENUE RARITAN, NJ 08869
BLOCK-LOT: 116.01-24 ELGARD, CRAIG D 9-11 GLASER AVENUE RARITAN, NJ 08869
BLOCK-LOT: 116.02-11 RARITAN BOROUGH 22 FIRST STREET RARITAN, NJ 08869
BLOCK-LOT: 116.01-21 HOANG, DINH & NGUYEN, DUYN 23 GLASER AVENUE RARITAN, NJ 08869
BLOCK-LOT: 116.01-23 CEVALLOS, ALFREDO O & LINDA R 19 GLASER AVENUE RARITAN, NJ 08869
BLOCK-LOT: 116.01-24.02 O'BRIEN, SUSAN A 15 GLASER AVENUE RARITAN, NJ 08869

UTILITY LIST

- N.J. DEPT. OF TRANSPORTATION 1035 PARKWAY AVENUE P.O. BOX 600 TRENTON, NJ 08625-0600
PUBLIC SERVICE ELECTRIC & GAS CO. MANAGER - CORPORATE PROPERTIES 80 PARK PLAZA, 16B NEWARK, NJ 07102
BELL ATLANTIC 540 BROAD STREET NEWARK, NJ 07102
SHERWIN ULEP, P.E. / FACILITY ENGINEER THE SOMERSET RARITAN VALLEY SEWAGE AUTHORITY P.O. BOX 6400 P.P. BRIDGEWATER, NJ 08807
NEW JERSEY AMERICAN WATER CO. 1025 LAUREL OAK ROAD VORHEES, NJ 08043
CABLE VISION 275 CENTENNIAL AVENUE PISCATAWAY, NJ 08855-6805 CN 6805

ZONING TABLE
BLOCK 16.01, LOT 11.01
BOROUGH OF RARITAN, SOMERSET COUNTY, NEW JERSEY
LOT AREA = 474,129 SF (10.9 ACRES)
ZONE: RARITAN MALL REDEVELOPMENT PLAN
EXISTING USE: RARITAN MALL
PERMITTED PRINCIPAL USES: SHOPPING CENTER (B-2) USES AS SHOWN BELOW:
ITEM PERMITTED PROPOSED
Min. Lot Area 42,500 SF 424,129 SF (10.88 AC)
Min. Lot Width 225 FT 521.9 FT
Max. Building Height 5 STORIES/ 80 FT 5 STORIES/ 80 FT
Max. Impervious Coverage 80% 72%
Setback - Route 206 50 FT 50.7 FT
Setback - Orlando Drive 10 FT 50 FT
Setback - Busky Lane 10 FT 50 FT
Building Setback - Rear Yard 5 FT 37.5 FT
Accessory Setback 5 FT N/A
PARKING PERMITTED PROPOSED
Parking Spaces 1.8 SPACES PER ONE-BEDROOM UNIT 2 SPACES PER TWO-BEDROOM UNIT 1 PARKING SPACE PER 75 S.F. OF RETAIL SPACE 1.8 SPACES X 156 ONE-BEDROOM UNITS = 280.8 - 28 (EV) = 252.8 2 SPACES X 120 TWO-BEDROOM UNITS = 240 - 24 (EV) = 216 33,000 S.F. OF RETAIL SPACE X 1 SPACE / 75 S.F. = 440 SPACES
Residential EV Space Count 52 SPACES 909 TOTAL STALLS REQUIRED 647 TOTAL STALLS PROVIDED
Parking Setback - Rear Yard 5 FT 8.1 FT
Parking Dimensions 9' X 18' 8' X 18' HANDICAP CAR & VAN 9' X 18' 8' X 18' HANDICAP CAR & VAN
Aisle Width TWO WAY - 24' TWO WAY - 25'
\*V For Commercial Parking 440 SPACES REQUIRED (1 / 75 SF) 132 SPACES PROVIDED (1 / 250 SF PER GENERAL CODE)
Total Required With Variance RESIDENTIAL = 469 SPACES COMMERCIAL = 132 SPACES TOTAL = 601 SPACES 647 TOTAL SPACES PROVIDED
(E.N.C.) - Existing Non-conformity, including previously granted variances and waivers.

Revision table with columns for DATE, REVISION, and CHKD. Rows 1 through 6 are present.

PROJ: 081289-01-001 DATE: 10-02-2025
THIS DRAWING AND ALL INFORMATION CONTAINED HEREIN IS AUTHORIZED FOR THE USE OF THE CLIENT ONLY. THE WORK WAS CONTRACTED TO BY THE CLIENT AND IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF BOWMAN CONSULTING GROUP, LTD. © 2025 ALL RIGHTS RESERVED.

Bowman Consulting Group Ltd. Professional Engineer, Lic. 24GE032054000. Includes contact information for Parsippany, New Jersey 07054.

KEY MAP 1 GENERAL NOTES ZONING TABLE BLOCK 116.01, LOT 11.01. BOROUGH OF RARITAN, SOMERSET COUNTY, NEW JERSEY. PRELIMINARY AND FINAL SITE PLANS RARITAN LOFTS.

PLANS ARE FINAL FOR SANITARY SEWER AND WATER MAIN DESIGN. SHEET No. 2 OF 15. THESE PLANS ARE NOT TO BE USED FOR BID OR CONSTRUCTION. SEE SHEET 2 OF THIS SET FOR GENERAL NOTES AND REFERENCES.













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**LIGHT SCHEDULE**

SYMBOL	QTY	LABEL	MANUFACTURER	MODEL	PRODUCT CODE	COLOR	LLF	CCT	LUMENS	WATTS	POLE	MT. HT
	20	P1	AAL	SLIDE	SLD2-PT-4S-AF-80L-110-3K7-4W-VOLTS-CD-STS-NXW-MS8-FINISH	BLACK	0.900	3000K	112	8573	RSA-B-S-12-40-A-TA-FINISH w/ MERM-4-FINISH	14.5'
	5	P2	AAL	SLIDE	SLD2-PT-4S-AF-80L-110-3K7-4F-VOLTS-CD-STS-NXW-MS8-FINISH	BLACK	0.900	3000K	112	8506	RSA-B-S-12-40-A-TA-FINISH w/ MERM-4-FINISH	14.5'
	45	P3	AAL	SLIDE	SLD2-PT-4S-AF-80L-110-3K7-5QW-VOLTS-CD-STS-NXW-MS8-FINISH	BLACK	0.900	3000K	112	8754	RSA-B-S-12-40-A-TA-FINISH w/ MERM-4-FINISH	14.5'
	14	W1	BEACON	VIPER WALL	VPW2-18L-25-3K7-4W-VOLTS-FINISH-NX WS12F-MS8	BLACK	0.900	3000K	22.6	3216	N/A	14.5'

**CALCULATION SUMMARY**

Entire Site	5077 points
HORIZONTAL FOOTCANDLES	
Average	1.0
Maximum	4.2
Minimum	0.0
Avg/Min	N/A
Max/Min	N/A
Coef Var	0.92



SCALE: 1"=40'  
0 40 80 160 ft.

**LIGHTING PLAN NOTES:**

- THIS PLAN IS TO BE UTILIZED FOR LIGHTING PURPOSES ONLY. REFER TO ELECTRICAL ENGINEERING PLANS FOR CIRCUITRY DESIGN AND SPECIFICATIONS.
- REFER TO CONSTRUCTION DETAILS FOR LIGHT FIXTURE DETAILS AND ADDITIONAL LIGHTING NOTES, INCLUDING COMPLIANCE CHART.
- ILLUMINATION LEVELS SHOWN ON THESE PLANS ARE DESIGNED IN ACCORDANCE WITH IESNA STANDARDS AND ILLUMINATION REQUIREMENTS OF THE TOWNSHIP TO PROVIDE ADEQUATE ILLUMINATION FOR THE SAFE MOVEMENT OF PEDESTRIANS AND VEHICLES.
- LIGHT SCHEDULE SHOWN HEREON INCLUDES QUANTITIES FOR ENTIRE PROJECT.
- LIGHTING CONTROLS SHALL BE PER LATEST ENERGY CODE (ASHRAE 90.1-2019) AS FOLLOWS:
  - SITE LIGHTING CONTROLS SEQUENCE OF OPERATION IN COMPLIANCE WITH ASHRAE 90.1-2019.
  - EACH SITE FIXTURE TO BE EQUIPPED WITH NX CONTROLS, WHICH IS A WIRELESS BLUETOOTH MESH CONTROL SYSTEM.
  - CONTROL SYSTEM IS TO BE ACCESSIBLE VIA IOS APP FOR PROGRAMMING.
  - EACH SITE FIXTURE TO HAVE AN INTEGRAL MOTION AND PHOTO SENSOR MODULE TO PROVIDE MULTI-LEVEL CONTROL BASED ON MOTION AND/OR DAYLIGHT.
  - LIGHTING CONTROL SYSTEM WILL ALSO INCORPORATE A TIME KEEPER. THIS ADDS THE ABILITY TO SCHEDULE MULTIPLE EVENTS BASED ON TIME OF DAY OR ASTRONOMICAL CLOCK.
  - ALL SITE LIGHTS TO TURN ON AT DUSK AND OFF AT DAWN.
  - LIGHTS TO REMAIN FULL BRIGHTNESS UNTIL CLOSE OF BUSINESS, AT WHICH TIME THE LIGHTS WILL DIM TO 50% OUTPUT UNTIL DAWN.
  - ANY MOTION DETECTED ON SITE AFTER CLOSE OF BUSINESS WILL KICK THE POWER UP TO 100% BRIGHTNESS. AFTER A DURATION OF 15 MINUTES WITH NO MOTION DETECTION, THE LIGHTS WILL RESUME BACK TO THE DIMMED 50% STATE.
  - MULTIPLE LIGHT FIXTURES TO BE GROUPED TOGETHER INTO ZONES BASED ON AREA AND TRAFFIC PATTERNS. MOTION DETECTION WILL ACTIVATE THE ENTIRE ZONE, NOT THE INDIVIDUAL FIXTURE, TO ENSURE UNIFORM COVERAGE IN THE AREA.

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5					
4					
3					
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PROJ: 081289-01-001  
DATE: 10-02-2025  
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PRELIMINARY AND FINAL SITE PLANS  
RARITAN LOFTS  
LIGHTING PLAN  
BLOCK 116.01, LOT 11.01  
BOROUGH OF RARITAN, SOMERSET COUNTY, NEW JERSEY

SHEET No.  
9  
OF  
15







# DUST CONTROL NOTES

STANDARD FOR DUST CONTROL (Per Standards... Dust Control 16-1, May 2012)

DEFINITION-The control of dust on construction sites and roads.

PURPOSE- To prevent blowing and movement of dust from exposed soil surfaces, reduce on and off-site damage and health hazards, and improve traffic safety.

CONDITION WHERE PRACTICE APPLIES- This practice is applicable to areas subject to dust blowing and movement where on- and off-site damage is likely without treatment. Consult with local municipal ordinances on any restrictions.

WATER QUALITY ENHANCEMENT-Sediments deposited as "dust" are often fine colloidal material which is extremely difficult to remove from water once it becomes suspended. Use of this standard will help to control the generation of dust from construction Sites and subsequent blowing and deposition into local surface water resources.

PLANNING CRITERIA- The following methods should be considered for controlling dust:

Mulches-See Standards for Stabilization with mulches Only (p. 5-1)

Vegetative Cover-See Standards for Temporary Vegetative Cover (p. 7-1), Permanent Vegetative Cover for Soil Stabilization (p. 4-1) and Permanent Stabilization with Sod (p. 6-1)

Spray-on Adhesives-On mineral soils (not effective on muck soils). Keep traffic off these areas.

Table 16-1: Dust Control Materials:

	Water Dilution	Type of Nozzle	Gal./Acre
Anionic asphalt emulsion	7:1	Coarse Spray	1,200
Latex Emulsion	12.5:1	Fine Spray	235
Resin in Water	4:1	Fine Spray	300
Polyacrylamide (PAM) - spray on	Apply according to manufacturer's instructions.		
Polyacrylamide (PAM) - dry spray	May also be used as an additive to sediment basins to flocculate and precipitate suspended colloids. See Sediment Basin standard (pg 26-1).		
Acidulated Soy Bean Soap Stick	None	Coarse Spray	1,200

Tillage: To roughen surface and bring clods to the surface. This is a temporary emergency measure which should be used before soil blowing starts. Begin plowing on windward side of site. Chisel-type plows spaced about 12 inches apart, and spring-toothed harrows are examples of equipment which may produce the desired effect.

Sprinkling: Site is sprinkled until the surface is wet.

Barriers: Solid board fences, snow fences, burlap fences, crate walls, bales of hay, and similar material can be used to control air currents and soil blowing.

Calcium Chloride: Shall be in the form of loose, dry granules of flakes fine enough to feed through commonly used spreaders at a rate that will keep surface moist but not cause pollution or plant damage. If used on steeper slopes, then use other practices to prevent washing into streams or accumulation around plants.

Stone: Cover surface with crushed stone or coarse gravel. for Dewatering.

## TOPSOIL STOCKPILE PROTECTION

- Apply ground limestone at a rate of 90 lbs/1000 S.F.
- Apply fertilizer (10-20-10) at a rate of 11 lbs/1000 S.F.
- Apply Perennial Rye grass seed at a rate of 1 lb/1000 S.F. and Annual Rye grass at 1lb/1000 S.F.
- Mulch stockpile with straw or hay at a rate of 90 lbs/1000 S.F.
- Apply a liquid mulch binder or tack to straw or hay mulch.
- Properly entrench a silt fence at the bottom of the stockpile.

## TEMPORARY STABILIZATION SPECIFICATIONS

- Apply ground limestone, lime rates are to be applied following soil test recommendations.
- Apply fertilizer (10-20-10) at a rate of 11 lbs/1000 S.F.
- Apply Perennial Rye grass at 1 Lb/1000 S.F. and Annual Rye grass at 1 Lb/1000 S.F.
- Mulch stockpile with straw or hay at a rate of 90 lbs/1000 S.F.
- Apply a liquid mulch binder or tack to straw or hay mulch.

## PERMANENT STABILIZATION SPECIFICATIONS

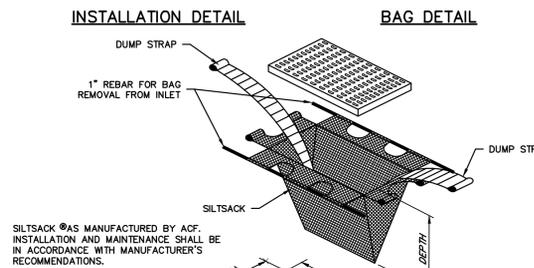
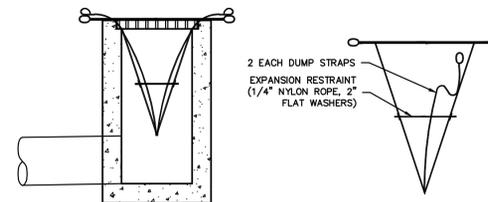
- Apply topsoil to a depth of 5 inches (unsettled).
- Apply ground limestone, lime rates are to be applied following soil test recommendations, and work four inches into soil.
- Apply fertilizer (10-10-10) at a rate of 11 lbs/1000 S.F.
- Permanent seeding to be accomplished with the following mixture:
 

Hard Fescue seed at	3.0 lbs/1000 S.F.
Chewing Fescue	1.0 lbs/1000 S.F.
Creeping Red Fescue seed at	1.0 lbs/1000 S.F.
Perennial Ryegrass seed at	0.25 lbs/1000 S.F.
- Detention Basin seeding to be accomplished with the following mixture:
 

Deer tongue seed at	0.45 lbs/1000 S.F.
Red Top seed at	0.05 lbs/1000 S.F.
Wild Rye seed at	0.35 lbs/1000 S.F.
Switch Grass seed at	0.60 lbs/1000 S.F.
- Acceptable seeding dates are between March 1 and April 30, Optimum seeding dates are between August 15 and October 15.
- Mulch stockpile with straw or hay at a rate of 90 lbs/1000 S.F.
- Apply a liquid mulch binder or tack to straw or hay mulch

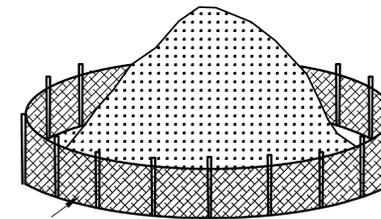
## STABILIZATION WITH MULCH ONLY (NON-GROWING SEASON)

- Grade area to be stabilized in accordance with Standards for Land Grading, pg. 19-1.
- Uniformly spread unrotted small-grain straw or salt hay at 2.0 to 2.5 tons per acre (90 to 115 pounds per 1000 square feet) and anchor with a mulch anchoring tool, liquid mulch binders or netting tie down. Other protective materials may be used in accordance with NJ Standards, pg. 5-1.
- Mulch anchoring shall be applied immediately after placement of hay or straw mulch to minimize loss by wind or water. Applications shall be heavier at the edges where wind catches the mulch (e.g. in valleys and at crests of banks). Liquid mulch binder shall be one of the following:
  - Organic and Vegetable Based Binders - Naturally occurring, powder based, hydrophilic materials that when mixed with water formulates a gel and when applied to mulch under satisfactory curing conditions will form membrane networks of insoluble polymers. The vegetable gel shall be physiologically harmless and not result in a phyto-toxic effect or impede growth of turfgrass. Vegetable based gels shall be applied at rates and weather conditions recommended by the manufacturer.
  - Synthetic Binders - High polymer synthetic emulsion, miscible with water when diluted and following application to mulch, drying and curing shall no longer be soluble or dispersible in water. It shall be applied at rates and weather conditions recommended by the manufacturer and remain tacky until the germination of grass.



## INLET SEDIMENT CONTROL DEVICE

NOT TO SCALE



## TOPSOIL STOCK PILE DETAIL

REFER TO STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY - 8-1

## SOIL COMPACTION MITIGATION NOTE:

ALL DISTURBED AREAS SHALL BE MITIGATED THROUGH USE OF DEEP SCARIFICATION OR TILLAGE BEFORE THE PLACEMENT OF TOPSOIL TO A DEPTH OF AT LEAST 6".

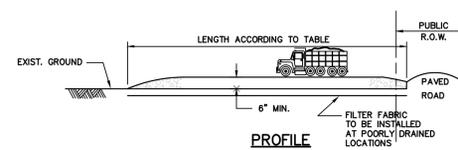
COMPACTION MITIGATION IS NOT REQUIRED IN THE FOLLOWING AREAS (AS NOTED BY SHADING ON THE SOIL EROSION AND SEDIMENT CONTROL PLAN):

- Within 12 feet from slab or crawl space construction or within 20 feet of a basement.
- Where soils or gravel surfaces will be required to support post-construction vehicular traffic loads such as roads, parking lots and driveways (including gravel surfaces), bicycle paths or pedestrian walkways (sidewalks etc)
- Airports, railways or other transportation facilities
- Areas requiring industry or government specified soil designs, including golf courses, landfills, wetland restoration, septic disposal fields, wet/ponds, etc.
- Areas governed or regulated by other local, state or federal regulations which dictate soil conditions
- Brownfields (capped uses), urban redevelopment areas, in-fill areas, recycling yards, junk yards, and quarries
- Slopes determined to be inappropriate for safe operation of equipment
- Portions of a site where no heavy equipment travel or other disturbance has taken place
- Areas receiving temporary vegetative stabilization in accordance with the Standard.
- Where the area available for remediation practices is 500 square feet or less in size.
- Locations containing shallow (close to the surface) bedrock conditions.
- Where underground utilities may be endangered by mitigation operations.

## SEQUENCE OF CONSTRUCTION

ITEM #	DURATION
1. INSTALL SOIL EROSION AND SEDIMENT CONTROL DEVICES INCLUDING SILT FENCE, INLET FILTERS, TREE PROTECTION, AND STABILIZED CONSTRUCTION ENTRANCE	1 WEEK
2. DEMOLITION OF MALL BUILDING (PAD BUILDING TO REMAIN)	1 MONTH
3. CLEAR AND ROUGH GRADE SITE	1 MONTH
4. INSTALL OUTFALL PIPE. STABILIZE IMMEDIATELY FOLLOWING INSTALLATION.	1 MONTH
5. INSTALL STORM SYSTEM, SANITARY SYSTEM AND UNDERGROUND UTILITIES. PLACE INLET FILTERS AS STRUCTURES ARE COMPLETED	1 MONTHS
6. CONSTRUCT WALLS AND CURBING	2 MONTHS
7. CONSTRUCT BUILDING	12 MONTHS
8. TEMPORARY SEED ALL AREAS TO BE LEFT EXPOSED FOR MORE THAN 30 DAYS	1 DAY
9. CONSTRUCT DRIVEWAY AND PARKING LOTS. APPLY BITUMINOUS BASE COURSE	1 WEEK
10. FINAL GRADE AROUND BUILDINGS	1 WEEK
11. SCARIFY ALL PLANTING AREAS (6" MIN. DEPTH) PRIOR TO INSTALLING TOPSOIL TO MITIGATE SOIL DECOMPACTION	1 WEEK
12. INSTALL LIGHTING AND LANDSCAPING	3 WEEKS
13. PERMANENT SEED ALL AREAS	1 DAY
14. APPLY FINAL BITUMINOUS CONCRETE SURFACE COURSE	1 WEEK
15. INSTALL PAVEMENT MARKINGS	1 DAY
16. REMOVE REMAINING SOIL EROSION CONTROL DEVICES WHEN SITE IS STABILIZED	1 DAY

APPROXIMATE PROJECT DURATION: 18 MONTHS



## NOTES

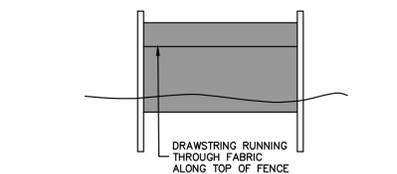
- STONE SIZE 1 1/2" - 2 1/2" CRUSHED STONE
- WIDTH NOT LESS THAN FULL WIDTH AT POINTS OF EGRESS AND INGRESS.
- WASHING: WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC R.O.W. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT BASIN.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC R.O.W. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRAPPED ONTO PUBLIC R.O.W. MUST BE REMOVED IMMEDIATELY.
- WHEN THE CONSTRUCTION ACCESS EXISTS ONTO A MAJOR ROADWAY, A PAVED TRANSITION AREA MAY BE INSTALLED BETWEEN THE MAJOR ROADWAY AND THE STONED ENTRANCE TO PREVENT LOOSE STONES FROM BEING TRANSPORTED OUT ONTO THE ROADWAY BY HEAVY EQUIPMENT ENTERING OR LEAVING THE SITE.

PERCENT SLOPE OF ROADWAY	LENGTH OF STONE REQUIRED	
	COARSE GRAINED SOILS	FINE GRAINED SOILS
0 TO 2%	50 ft.	100ft.
2 TO 5%	100ft.	200ft.
>5%	ENTIRE SURFACE STABILIZED WITH HMA BASE COURSE MIX 1-2 <sup>1</sup>	

1. AS PRESCRIBED BY LOCAL ORDINANCE OR OTHER GOVERNING AUTHORITY

## STABILIZED CONSTRUCTION ENTRANCE

N.T.S.



## SILT FENCE DETAIL

N.T.S.

6	5	4	3	2	1
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PRELIMINARY AND FINAL SITE PLANS  
RARITAN LOFTS

## CONSTRUCTION DETAILS 3

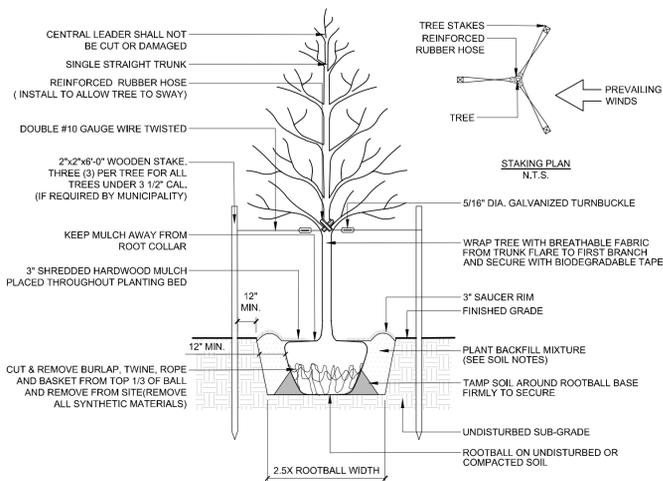
BLOCK 116.01, LOT 11.01  
BOROUGH OF RARITAN, SOMERSET COUNTY, NEW JERSEY

SHEET No.

13 / 15

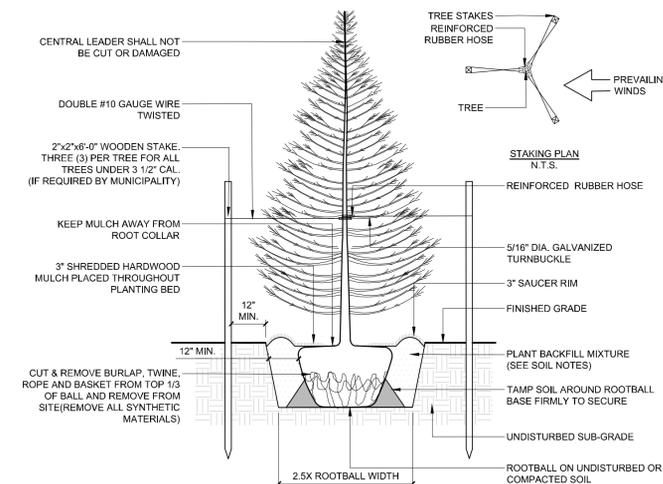
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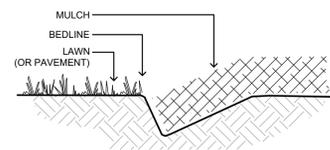
- NOTES:
1. AT PLANTING, PRUNE ONLY CROSSING LIMBS, CO-DOMINANT LEADERS, BROKEN OR DEAD BRANCHES WHILE MAINTAINING NORMAL TREE SHAPE.
  2. WATER THOROUGHLY TWICE WITHIN THE FIRST 48 HOURS.
  3. TOP OF ROOTBALL SHALL BE SET FLUSH TO GRADE. TRUNK FLARE SHALL BE VISIBLE AT TOP OF ROOTBALL. DO NOT COVER TOP OF ROOT BALL WITH SOIL.
  4. ALL TREE STAKING SHALL BE INSTALLED ONLY IF REQUIRED BY LOCAL MUNICIPAL REQUIREMENTS.
  5. IF/WHEN INSTALLED, ALL TREE STAKING SHALL BE REMOVED AFTER ONE YEAR.
  6. CONTRACTOR IS RESPONSIBLE TO SEND SAMPLES OF EXISTING PLANTING SOILS IN LANDSCAPE AREAS (3 MAX.) TO TESTING LABORATORY OR UNIVERSITY COOPERATIVE EXTENSION FOR TESTING. ALL TESTING COSTS ARE AT THE CONTRACTOR'S EXPENSE. REFER TO SOIL NOTES FOR REQUIRED TESTING.

**DECIDUOUS TREE PLANTING**  
N.T.S

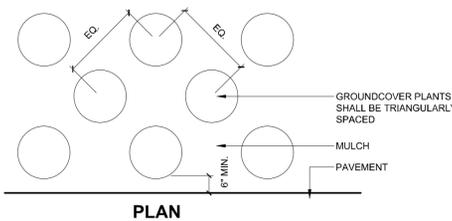


- NOTES:
1. WATER THOROUGHLY TWICE WITHIN THE FIRST 48 HOURS.
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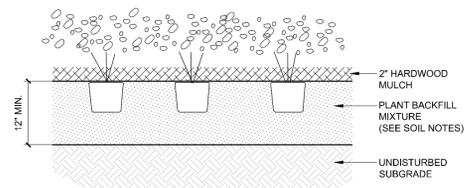
**EVERGREEN TREE PLANTING**  
N.T.S



**BEDLINE**  
N.T.S



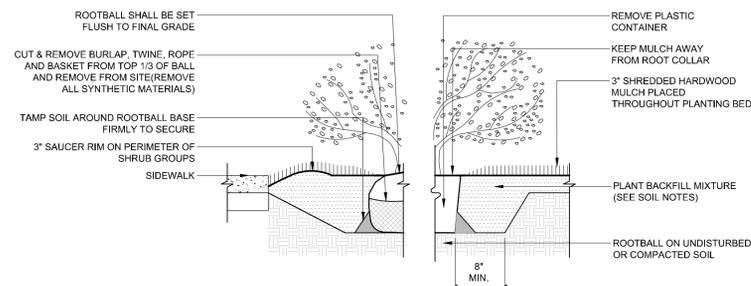
**PLAN**



**SECTION**

- NOTES:
1. CONTRACTOR IS RESPONSIBLE TO SEND SAMPLES OF EXISTING PLANTING SOILS IN LANDSCAPE AREAS (3 MAX.) TO TESTING LABORATORY OR UNIVERSITY COOPERATIVE EXTENSION FOR TESTING. ALL TESTING COSTS ARE AT THE CONTRACTOR'S EXPENSE. REFER TO SOIL NOTES FOR REQUIRED TESTING.

**PERENNIAL / GROUND COVER PLANTING**  
N.T.S



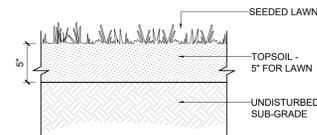
- NOTES:
1. WATER THOROUGHLY TWICE WITHIN THE FIRST 48 HOURS.
  2. TOP OF ROOTBALL SHALL BE SET FLUSH TO GRADE. TRUNK FLARE SHALL BE VISIBLE AT TOP OF ROOTBALL. DO NOT COVER TOP OF ROOT BALL WITH SOIL.
  3. IF SHRUB IS IN LEAF APPLY WILT-PROOF, OR EQUAL AS PER MANUFACTURERS RECOMMENDATION.
  4. CONTRACTOR IS RESPONSIBLE TO SEND SAMPLES OF EXISTING PLANTING SOILS IN LANDSCAPE AREAS (3 MAX.) TO TESTING LABORATORY OR UNIVERSITY COOPERATIVE EXTENSION FOR TESTING. ALL TESTING COSTS ARE AT THE CONTRACTOR'S EXPENSE. REFER TO SOIL NOTES FOR REQUIRED TESTING.

**SHRUB PLANTING**  
N.T.S

**LAWN SEED MIXTURE**

	LBS. PER ACRE	LBS. PER 1,000 SF	OPTIMUM SEEDING DATE	ACCEPTABLE SEEDING DATE
HARD FESCUE (FESTUCA OVINA)	130	3	8/15 - 10/31	4/1 - 5/31 OR *6/1 - 8/15
CHEWINGS FESCUE (FESTUCA RUBRA SUBSP. COMMUTATA)	45	1		
STRONG CREEPING RED FESCUE (FESTUCA RUBRA)	45	1		
PERENNIAL RYEGRASS (LOLIUM PERENNE)	10	0.2500		

\*SUMMER SEEDING SHOULD ONLY BE CONDUCTED WHEN THE SITE IS IRRIGATED. MIXES INCLUDING WHITE CLOVER REQUIRE THAT AT LEAST SIX WEEKS OF GROWING SEASON REMAIN AFTER SEEDING TO ENSURE ESTABLISHMENT BEFORE FREEZING CONDITIONS.



**SEEDED LAWN PLANTING**  
N.T.S

- NOTES:
1. CONTRACTOR IS RESPONSIBLE TO SEND SAMPLES OF EXISTING PLANTING SOILS IN LANDSCAPE AREAS (3 MAX.) TO TESTING LABORATORY OR UNIVERSITY COOPERATIVE EXTENSION FOR TESTING. ALL TESTING COSTS ARE AT THE CONTRACTOR'S EXPENSE. REFER TO SOIL NOTES FOR REQUIRED TESTING.
  2. ALL SUBGRADE AND GRADE MATERIALS ARE TO BE COMPACTED TO 90% MODIFIED PROCTOR DENSITY.
  3. ALL UNDERLYING CONSTRUCTION MATERIALS SHALL BE COMPLETELY REMOVED.
  4. PREPARE THE AREA BY CULTIVATING THE FIRST 1/4 INCH OF SOIL. NOTE: JUST SCATTERING THE SEED ON AN UNPREPARED SURFACE OR USING MORE SEED THAN IS RECOMMENDED IS UNACCEPTABLE.
  5. SCATTER THE SEED ON PREPARED SURFACE PER PACKAGED APPLICATION RATE. OVER-SEEDING IS DETRIMENTAL TO THE SEEDING PROCESS - NO MORE THAN 5-10 SEEDS PER SQUARE INCH IS RECOMMENDED.
  6. GENTLY RAKE OVER TO INCORPORATE THE SEED INTO THE PREPARED AREA.
  7. SEED MIX SHALL BE MULCHED WITH SALT HAY OR WEED-FREE STRAW WITH TACKIFIER.
  8. GERMINATION RATES WILL VARY AS TO TIME OF YEAR FOR SOWING. CONTRACTOR TO IRRIGATE SEEDED AREA UNTIL A STAND OF COVER IS ESTABLISHED AND ACCEPTED BY OWNER.
  9. ALL PLANTING BEDS ADJACENT TO LAWN AREAS SHALL BE SPADE EGDG.

**CARE FOR NEWLY SEEDED LAWN:**

1. WATERING - DAILY WATERING IS REQUIRED. THE BEST WAY TO ACCOMPLISH THIS IS UP TO 4 LIGHT WATERING SESSIONS PER DAY. NO MATTER WHAT TYPE OF MULCH IS USED. THIS SHOULD CONTINUE FOR A PERIOD OF 2-3 WEEKS.
2. FERTILIZATION & WEED PREVENTION - DO NOT USE ANY PRE-EMERGENT FERTILIZER AT THE TIME OF SEEDING. AS A GENERAL RULE, YOU WANT TO HAVE MOWN THE GRASS 2-3 TIMES BEFORE YOU USE ANY PRE-EMERGENT FERTILIZER. NEW SEEDING FERTILIZER IS RECOMMENDED.

**SEED MIXTURE TYPE 1**

MIX: SHOWY NORTHEAT NATIVE WILDFLOWER AND GRASS MIX

SUPPLIER: ERNST MIX (ERNMX-153)

BOTANICAL NAME	COMMON NAME	% OF MIX
SCHIZACHYRIUM SCOPARIUM 'CAMPER'	LITTLE BLUESTEM 'CAMPER'	30.5%
BOUTELOUA CURTIPENDULA, BUTTE	SIDEOTS GAMME BUTTE	30.0%
ELYMUS VIRGINICUS, PA ECOTYPE	VIRGINIA WILDRYE, PA ECOTYPE	15.0%
ECHINACEA PURPUREA	PURPLE CONEFLOWER	4.0%
CHAMAECRISTA FASCICULATA, PA ECOTYPE	PARTRIDGE PEA, PA ECOTYPE	3.5%
COREOPSIS LANCEOLATA	LANCELEAF COREOPSIS	3.0%
RUDEBECKIA HIRTA	BLACK EYED SUSAN	3.0%
HELIOPSIS HELIANTHOIDES, PA ECOTYPE	OXEYE SUNFLOWER, PA ECOTYPE	2.0%
LIATRIS SPICATA	MARSH BLAZING STAR	1.2%
TRADESCANTHIA OHIENSIS, PA ECOTYPE	OHIO SPIERWORT, PA ECOTYPE	1.0%
PYCNANTHEMUM TENUIFOLIUM	NARROWLEAF MOUNTAINMINT	0.7%
SENNA HEBECARPA, VA AND WV ECOTYPE	WILD SENNA, VA AND WV ECOTYPE	0.7%
ASCLEPIAS TUBEROSA	BUTTERFLY MILKWEED	0.5%
BAPTISTA AUSTRALIS SOUTHERN WV ECOTYPE	BLUE FALSE INDIGO, SOUTHERN WV ECOTYPE	0.70%
EUPATORIUM PERFOLIATUM, PA ECOTYPE	BONESTE, PA ECOTYPE	0.6%
BAPTISTA AUSTRALIS SOUTHER WV ECOTYPE	BLUE FALSE INDIGO, SOUTHER WV ECOTYPE	0.5%
ZIZIA AJUREA	GOLDEN ALEXANDERS	0.5%
ASTER LAEVIS, NY ECOTYPE	SMOOTH BLUE ASTER, NY ECOTYPE	0.4%
ASTER NOVAE-ANGLIAE, PA ECOTYPE	NEW ENGLAND ASTER, PA ECOTYPE	0.4%
ASTER OBLONGIFOLIUS, PA ECOTYPE	AROMATIC ASTER, PA ECOTYPE	0.4%
ASTER PRENANTHOIDES, PA ECOTYPE	ZIG ZAG ASTER, PA ECOTYPE	0.4%
EUPATORIUM COELESTINUM, VA ECOTYPE	MISTFLOWER, VA ECOTYPE	0.4%
MONARDA FISTULOSA, PA ECOTYPE	WILD BERGAMONT, PA ECOTYPE	0.4%
SOLIDAGO NEMORALIS, PA ECOTYPE	GRAY GOLDENROD, PA ECOTYPE	0.4%
PENSTEMON DIGITALIS, PA ECOTYPE	TALL WHITE BEARDTONGUE, PA ECOTYPE	0.3%
COREOPSIS TRIPETERIS, PA ECOTYPE	TALL COREOPSIS, PA ECOTYPE	0.2%
GEUM CANADENSE	WHITE AVENS, PA ECOTYPE	0.1%
OENOTHERA FRUCTOSA VAR. FRUCTOSA	SUNDROPS	0.1%
PENSTEMON HIRSUTUS	HAIRY BEARDTONGUE	0.1%
RUDEBECKIA FUGILDA VAR FUGILDA VA ECOTYPE	ORANGE CONEFLOWER, NORTHERN VA ECOTYPE	0.1%
SENNA MARLANDICA	MARYLAND SENNA	0.10%
SOLIDAGO ODORA, PA ECOTYPE	LICORICE SCENTED GOLDENROD, PA ECOTYPE	0.1%

**SHOWY NORTHEAT NATIVE WILDFLOWER AND GRASS MIX**  
N.T.S

**SEED MIXTURE TYPE 2**

MIX: KNEE HIGH WILDFLOWER MEADOW BLEND

SUPPLIER: EARTHWISE SEED

BOTANICAL NAME	COMMON NAME
DIMORPHECA SINUATA	AFRICAN DAISY
GYPHOPHILA ELEGANS	BABY'S BREAATH
RUDEBECKIA HIRTA	BLACK-EYED SUSAN
GAILLARDIA ARISTATA	BLANKET FLOWER
LINUM PERENNE	BLUE FLAX
ESCHSCHOLZIA CALIFORNICA	CALIFORNIA POPPY
IBERIS UMBELLATA	CANDYTUFT
SILENE ARMERIA	CATCHFLY
CYNOGLOSSUM AMABILE	CHINESE FORGET-ME-NOTS
PAPAVER RHOEAS	CORN POPPY
CENTAUREA CYANUS	DWARF CONEFLOWER
CLARKIA AMOENA	DWARF GODETIA
COREOPSIS TINCTORIA	DWARF PLAINS COREOPSIS
COREOPSIS LANCEOLATA	LANCE-LEAF COREOPSIS
VERBENA TENUISECTA	MOSS VERBENA
DELPHINIUM COLSOLIDA	ROCKET LARKSPUR
LINUM GRANDIFLORUM RUBRUM	SCARLET FLAX
CHEIRANTHUS ALLIONII	SIBERIAN WALLFLOWER
LOBULARIA MARITIMA	SWEET ALYSSUM
DIANTHUS BARBATUS	SWEET WILLIAM PINKS

NOTES: SEEDING RATE = 20 LBS/ACRE

**KNEE HIGH WILDFLOWER MEADOW MIX**  
N.T.S

6	5	4	3	2	1
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PROJ: 081289-01-001  
DATE: 10-02-2025

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PRELIMINARY AND FINAL SITE PLANS  
RARITAN LOFTS  
CONSTRUCTION DETAILS 5  
BLOCK 116.01, LOT 11.01  
BOROUGH OF RARITAN, SOMERSET COUNTY, NEW JERSEY

SHEET No.  
15  
OF  
15