

# PRELIMINARY AND FINAL SITE PLAN

FOR

## SIMPLY STORAGE BARNEGAT, LLC

### PROPOSED SELF-STORAGE EXPANSION

BLOCK 263, LOT 1.01; TAX MAP SHEET #111 - LATEST REV. DATED 12-31-2018  
220 SOUTH MAIN STREET  
TOWNSHIP OF BARNEGAT  
OCEAN COUNTY, NEW JERSEY

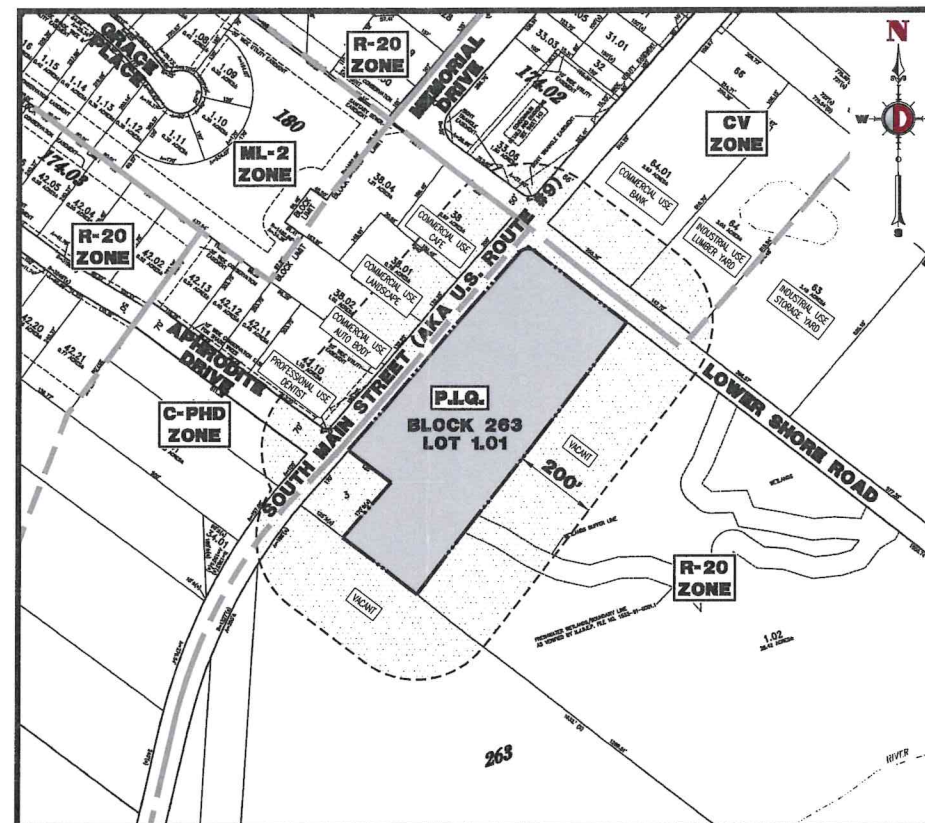
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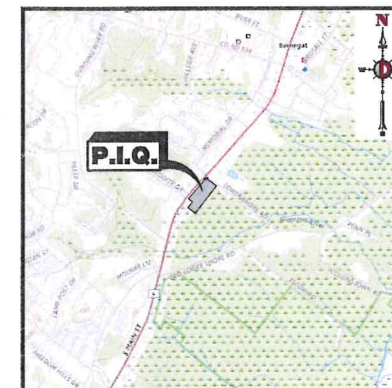
Barnegat Township  
Planning/Zoning

#### 200' PROPERTY OWNERS LIST

PROPERTY OWNER	BLOCK	LOT	ALSO TO BE NOTIFIED:
MCQUILL, TIM & RACHEL 203 SOUTH MAIN ST BARNEGAT, NJ 08005	174	41	CONCAST 830 ROUTE 37 WEST TOWNSHIP OF BARNEGAT, NJ 08005
MCQUILL, SUSAN L 208 SOUTH MAIN ST BARNEGAT, NJ 08005	174	42	VERZON 240 BROAD ST ROOM 305 NEWARK, NJ 07102
RPTIDE PHYSICAL THERAPY 249-1 SOUTH MAIN ST BARNEGAT, NJ 08005	174.02	33.06/001	CONNECTICUT (FORMERLY ATLANTIC ELECTRIC) REAL ESTATE DEPARTMENT 457 US HWY 9 WEST CREEK, NJ 08092
TERRA MANAGEMENT INC 249-2 SOUTH MAIN ST BARNEGAT, NJ 08005	174.02	33.06/002	NU INDUSTRIAL GAS CO 1415 WINDYBROOK ROAD P.O. BOX 1468 WILL, NJ 07719
RPTIDE PHYSICAL THERAPY 249-3 SOUTH MAIN ST BARNEGAT, NJ 08005	174.02	33.06/003	BARNEGAT WATER & SEWER UTILITY 900 WEST BAY AVE BARNEGAT, NJ 08005
BARNEGAT SHORES LLC 249-4 SOUTH MAIN ST BARNEGAT, NJ 08005	174.02	33.06/004	OCEAN COUNTY UTILITY AUTHORITY 501 HICKORY LANE P.O. BOX P BAYVILLE, NJ 08721
AMA REAL ESTATE HOLDINGS III LLC 249-5 SOUTH MAIN ST BARNEGAT, NJ 08005	174.02	33.06/005	GPU ENERGY (FORMERLY JCP&L CO) P.O. BOX 18001 REAL ESTATE DEPT READING PA 19640-0001
PERKINS DEBERG LLC 2M UPPMAN 249-6 SOUTH MAIN ST BARNEGAT, NJ 08005	174.02	33.06/006	TOWNSHIP OF OCEAN DPT OF UTILITIES 50 BROAD RD WAREHOUSING, NJ 08758
AMA REAL ESTATE HOLDINGS III LLC 249-7 SOUTH MAIN ST BARNEGAT, NJ 08005	174.02	33.06/007	NJ TURNPIKE AUTHORITY (CS PARKWAY) P.O. BOX 5042 501 MAIN STREET WOODBRIDGE, NJ 07095-5042
PERKINS DEBERG LLC 2M UPPMAN 249-8 SOUTH MAIN ST BARNEGAT, NJ 08005	174.02	33.06/008	OCEAN COUNTY DOT P.O. BOX 2181 TOWNSHIP OF BARNEGAT, NJ 08005
K & T WAREHOUSING INC 249-9 SOUTH MAIN ST BARNEGAT, NJ 08005	174.03	38	STATE OF NEW JERSEY DOT ON BOX TRENTON, NJ 08625
JERSEY ROOTS LLC 249-10 SOUTH MAIN ST BARNEGAT, NJ 08005	174.03	38.01, 38.04	
CENTRAL LINES INCORPORATED 223 SOUTH MAIN ST BARNEGAT, NJ 08005	174.03	38.02	
OSWICK, LLC 219 SOUTH MAIN ST BARNEGAT, NJ 08005	174.03	42.10	
PAUL TAYLOR REAL ESTATE LLC 15 LOWER SHORE RD BARNEGAT, NJ 08005	263	63	
PAUL TAYLOR REAL ESTATE LLC 13 LOWER SHORE RD BARNEGAT, NJ 08005	263	64	
FIRST UNION CRE & THOMSON REUTERS 242 SOUTH MAIN ST BARNEGAT, NJ 08005	263	64.01	
BOHEAR, LLC 20 LOWER SHORE RD BARNEGAT, NJ 08005	263	1.02	
CHESSMAN, KEVIN & KATHLEEN 208 SOUTH MAIN ST BARNEGAT, NJ 08005	263	3	
BOHEAR, LLC 18 OLD LOWER SHORE RD BARNEGAT, NJ 08005	263	4	



AREA MAP  
1" = 200'



KEY MAP  
1" = 2000'

#### DRAWING INDEX

DRAWING INDEX	
COVER SHEET	1 of 10
AERIAL MAP	2 of 10
RENOVATION PLAN	3 of 10
SITE PLAN	4 of 10
GRADING, DRAINAGE AND UTILITY PLAN	5 of 10
SOIL EROSION AND SEDIMENT CONTROL PLAN	6 of 10
SOIL EROSION AND SEDIMENT CONTROL NOTES AND DETAILS	7 of 10
LANDSCAPE PLAN	8 of 10
LIGHTING PLAN	9 of 10
CONSTRUCTION DETAILS	10 of 10

#### PLANNING BOARD APPROVAL

APPROVED BY THE PLANNING BOARD OF BARNEGAT, OCEAN COUNTY, NEW JERSEY

CHAIRMAN	DATE
SECRETARY	DATE
BOARD ENGINEER	DATE

PREPARED BY  
DYNAMIC ENGINEERING CONSULTANTS, P.C.  
1904 MAIN STREET  
LAKE COMO, NJ 07719  
WWW.DYNAMICEC.COM

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DATE: 06/11/2025  
JOB No: 1414-24-01325  
SCALE: (H) AS SHOWN  
SHEET No: 1 OF 10

PROJECT: SIMPLY STORAGE BARNEGAT, LLC  
PROPOSED SELF-STORAGE EXPANSION  
BLOCK 263, LOT 1.01  
220 SOUTH MAIN STREET  
BARNEGAT TOWNSHIP, OCEAN COUNTY, NEW JERSEY

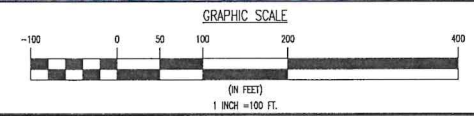
DESIGNED BY: RPK  
CHECKED BY: KED  
CHECKED BY: KAK

ROBERT P. FREUD  
PROFESSIONAL ENGINEER  
NEW JERSEY LICENSE No. 41938

RYAN McDERMOTT  
PROFESSIONAL ENGINEER  
NEW JERSEY LICENSE No. 56559

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THE AERIAL IMAGE DEPICTED ON THIS PLAN IS BASED ON IMAGERY PREPARED BY DIGITAL GLOBE, GEO EYE AND USDA FARM SERVICE AGENCY. THIS IMAGERY WAS PROVIDED BY GOOGLE MAPS ON 05/13/2025. THE CONDITIONS OF THE SITE AND SURROUNDING AREAS MAY HAVE CHANGED SINCE THE DATE OF AERIAL PHOTOGRAPHY AND THEREFORE THIS PLAN MAY NOT ACCURATELY REFLECT ALL CURRENT EXISTING CONDITIONS.

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1500 Main Street  
Lake Como, NJ 07119  
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www.dynamiceng.com

**TITLE:**  
**AERIAL MAP**

**PROJECT:** **SIMPLY STORAGE BARNEGAT, LLC**  
**PROPOSED SELF-STORAGE EXPANSION**  
Public Storage  
BLOCK 263, LOT 1.01  
220 SOUTH MAIN STREET  
BARNEGAT TOWNSHIP, OCEAN COUNTY, NEW JERSEY

**DATE:** 06/11/2025  
**SCALE:** (H) 1"=100'  
(V) 1"=100'  
**SHEET No:**  
**2**  
OF 10  
Rev. # 0

**DESIGNED BY:** RPK  
**CHECKED BY:** KED  
**DATE:**  
**DATE:**

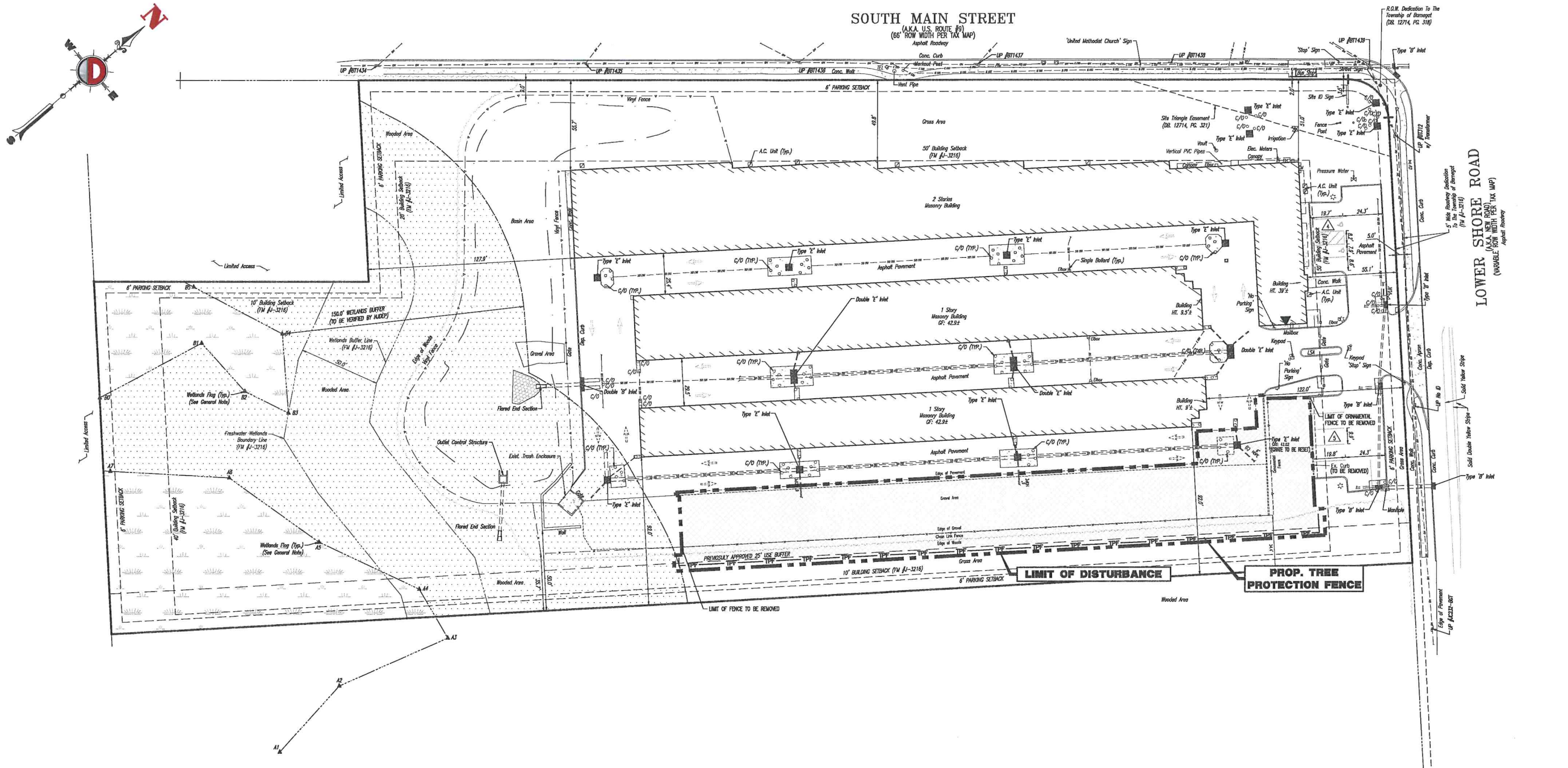
**ROBERT P. FREUD**  
PROFESSIONAL ENGINEER  
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ALL STATE BOARD APPROVED OR  
REGISTERED ENGINEERS OR ARCHITECTS  
SHOULD BE SEEN TO VERIFY  
THESE PLANS ARE AS SHOWN  
FOR STATE SPECIFIC DIRECT PHONE NUMBERS GO TO:  
WWW.CALL811.COM

Printed: 06/19/25 - 1:53 PM, By: gzeilnack, Product: Ver: 23.0  
File: \\unipulsion\unipulsion\Users\gzeilnack\PROJECTS\1414 Public Storage Inc\24-01325 Barnegat\Draw\Site Plans\01414240144650.dwg, -----> 02 AERIAL MAP





**DEMOLITION NOTES**

1. ALL DEMOLITION ACTIVITIES ARE TO BE PERFORMED IN STRICT ADHERENCE TO ALL FEDERAL, STATE AND LOCAL REGULATIONS.
2. PROCEED WITH DEMOLITION IN A SYSTEMATIC MANNER, FROM THE TOP OF THE STRUCTURE(S) TO THE GROUND.
3. COMPLETE DEMOLITION WORK ABOVE EACH FLOOR OR TIER BEFORE DISTURBING ANY OF THE SUPPORTING MEMBERS OF THE LOWER LEVELS.
4. DEMOLISH CONCRETE AND MASONRY IN SMALL SECTIONS.
5. REMOVE STRUCTURAL FRAMING MEMBERS AND LOWER THEM TO THE GROUND.
6. BREAK UP CONCRETE SLABS-ON-GRADE, UNLESS OTHERWISE DIRECTED BY OWNER.
7. LOCATE DEMOLITION EQUIPMENT THROUGHOUT THE STRUCTURE AND REMOVE MATERIALS SO AS TO NOT IMPOSE EXCESSIVE LOADS ON SUPPORTING WALLS, FLOORS OR FRAMING.
8. PROVIDE INTERIOR AND EXTERIOR SHORING, BRACING AND SUPPORTS TO PREVENT MOVEMENT, SETTLEMENT OR COLLAPSE OF STRUCTURES TO BE DEMOLISHED (AND ADJACENT FACILITIES, IF APPLICABLE).
9. DEMOLISH AND REMOVE ALL FOUNDATION WALLS, FOOTINGS AND OTHER MATERIALS WITHIN THE AREA OF THE DESIGNATED FUTURE BUILDING. ALL OTHER FOUNDATION SYSTEMS, INCLUDING BASEMENTS, SHALL BE DEMOLISHED TO A DEPTH OF NOT LESS THAN ONE FOOT BELOW PROPOSED FINISH GRADE. PROVIDE PROPER DRAINAGE FOR ALL EXISTING AND NEW DRAINAGE SYSTEMS. PROVIDE PROPER DRAINAGE FOR ALL EXISTING AND NEW DRAINAGE SYSTEMS. PROVIDE PROPER DRAINAGE FOR ALL EXISTING AND NEW DRAINAGE SYSTEMS.
10. ERECT AND MAINTAIN COVERED PASSAGEWAYS IN ORDER TO PROVIDE SAFE PASSAGE FOR PERSONS AROUND THE AREA OF DEMOLITION. CONDUCT ALL DEMOLITION OPERATIONS IN A MANNER THAT WILL PREVENT DAMAGE AND PERSONAL INJURY TO STRUCTURES, ADJACENT BUILDINGS AND ALL PERSONS. PLACE THE SAFETY AND PROTECTION OF THE SURROUNDING COMMUNITY AND PROPERTY AT THE HIGHEST PRIORITY.
11. REFRAIN FROM USING ANY EXPLOSIVES WITHOUT PRIOR WRITTEN CONSENT OF OWNER AND APPLICABLE GOVERNMENTAL AUTHORITIES.
12. CONDUCT DEMOLITION SERVICES IN SUCH A MANNER TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS AND OTHER ADJACENT FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS OR OTHER OCCUPIED FACILITIES WITHOUT PRIOR WRITTEN PERMISSION OF OWNER AND ANY APPLICABLE GOVERNMENTAL AUTHORITIES. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS, IF REQUIRED BY APPLICABLE GOVERNMENTAL REGULATIONS.
13. USE WATERING, TEMPORARY ENCLOSURES AND OTHER SUITABLE METHODS, AS NECESSARY TO LIMIT THE AMOUNT OF DUST AND DEBRIS RISING AND SCATTERING IN THE AIR. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF ALL DUST AND DEBRIS CAUSED BY THE DEMOLITION OPERATIONS. RETURN ALL ADJACENT AREAS TO THE CONDITIONS EXISTING PRIOR TO THE START OF WORK.
14. ACCOMPLISH AND PERFORM THE DEMOLITION IN SUCH A MANNER AS TO PREVENT THE UNAUTHORIZED ENTRY OF PERSONS AT ANY TIME.

15. COMPLETELY FILL BELOW GRADE AREAS AND VOIDS RESULTING FROM THE DEMOLITION OF STRUCTURES AND FOUNDATIONS WITH SOIL MATERIALS IN ACCORDANCE WITH THE GEOTECHNICAL REPORT, CONSISTING OF STONE, GRAVEL AND SAND, FREE FROM DEBRIS, TRASH, FROZEN MATERIALS, ROOTS AND OTHER ORGANIC MATTER. STONES USED WILL NOT BE LARGER THAN 6 INCHES IN DIMENSION. MATERIAL FROM DEMOLITION MAY NOT BE USED AS FILL. PRIOR TO PLACEMENT OF FILL MATERIALS, UNDERTAKE ALL NECESSARY ACTION IN ORDER TO ENSURE THAT AREAS TO BE FILLED ARE FREE OF STANDING WATER, FROZEN MATERIAL, TRASH, DEBRIS. PLACE FILL MATERIALS IN HORIZONTAL LAYERS NOT EXCEEDING 6 INCHES IN THICKNESS AND COMPACT EACH LAYER AT PLACEMENT TO 95% OPTIMUM DENSITY. GRADE THE SURFACE TO MEET ADJACENT CONTOURS AND TO PROVIDE SURFACE DRAINAGE.
16. REMOVE FROM THE DESIGNATED SITE, AT THE EARLIEST POSSIBLE TIME, ALL DEBRIS, RUBBISH, SALVAGEABLE ITEMS, HAZARDOUS AND COMBUSTIBLE SERVICES. REMOVED MATERIALS MAY NOT BE STORED, SOLD OR BURNED ON THE SITE. REMOVAL OF HAZARDOUS AND COMBUSTIBLE MATERIALS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE PROCEDURES AS AUTHORIZED BY THE FIRE DEPARTMENT OR OTHER APPROPRIATE REGULATORY AGENCIES AND AUTHORITIES.
17. DISCONNECT, SHUT OFF AND SEAL IN CONCRETE ALL UTILITIES SERVING THE STRUCTURE(S) TO BE DEMOLISHED BEFORE THE COMMENCEMENT OF THE DESIGNATED DEMOLITION. MARK FOR POSITION ALL UTILITY DRAINAGE AND SANITARY LINES AND PROTECT ALL ACTIVE LINES. CLEARLY IDENTIFY BEFORE THE COMMENCEMENT OF DEMOLITION SERVICES THE REQUIRED INTERRUPTION OF ACTIVE SYSTEMS THAT MAY AFFECT OTHER PARTIES, AND NOTIFY ALL APPLICABLE UTILITY COMPANIES TO ENSURE THE CONTINUATION OF SERVICE.
18. THIS DEMOLITION PLAN IS INTENDED TO IDENTIFY THOSE EXISTING CONDITIONS WHICH ARE TO BE REMOVED. IT IS NOT INTENDED TO PROVIDE DIRECTION OTHER THAN THAT ALL PROCEDURES ARE TO BE IN ACCORDANCE WITH STATE, FEDERAL, LOCAL, AND JURISDICTIONAL REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PRECAUTIONS NECESSARY.
19. VERIFY THAT ALL ENVIRONMENTAL CONCERNS INCLUDING BUT NOT LIMITED TO ASBESTOS, LEAD BASED PAINT, HAZARDOUS MATERIALS, UNDERGROUND STORAGE TANKS, MONITORING WELLS AND TRANSFORMERS HAVE BEEN REMOVED PRIOR TO COMMENCEMENT OF DEMOLITION ACTIVITIES. THESE ARE NOT SHOWN ON THE PLANS. REFER TO ENVIRONMENTAL REPORTS AND DOCUMENTS FOR LOCATIONS AND DISPOSAL AND/OR REMEDIATION PROCEDURES.

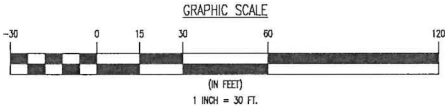
**NOTES**

1. IN ACCORDANCE WITH STATE LAW, THE CONTRACTOR SHALL BE REQUIRED TO CALL THE BOARD OF PUBLIC UTILITIES ONE CALL DAMAGE PROTECTION SYSTEM OR UTILITY MARK OUT IN ADVANCE OF ANY EXCAVATION.
2. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING SITE IMPROVEMENTS AND UTILITIES. ALL DISCREPANCIES SHALL BE IDENTIFIED TO THE ENGINEER IN WRITING.
3. ALL EXISTING UTILITIES TO BE ABANDONED SHALL BE DISCONNECTED AND CAPPED AT THE MAIN FOR WATER, AT THE CLEAN-OUT FOR SEWER AND THE SHUT-OFF VALVE OR MAIN FOR GAS IN ACCORDANCE WITH MUNICIPAL AND LOCAL UTILITY REQUIREMENTS.
4. ALL EXISTING DEBRIS SHALL BE REMOVED BY CONTRACTOR IN ACCORDANCE WITH MUNICIPAL AND LOCAL UTILITY COMPANY REQUIREMENTS.

**NO DEVELOPMENT INCLUDING CLEARING OR LAND DISTURBANCE IS PERMITTED IN WETLANDS AND WETLANDS BUFFERS**

**DEMOLITION PLAN LEGEND**

- PROPOSED LIMIT OF DISTURBANCE LINE
- PROPOSED TREE PROTECTION FENCE LINE
- EXISTING IMPROVEMENTS TO BE REMOVED UNLESS OTHERWISE NOTED



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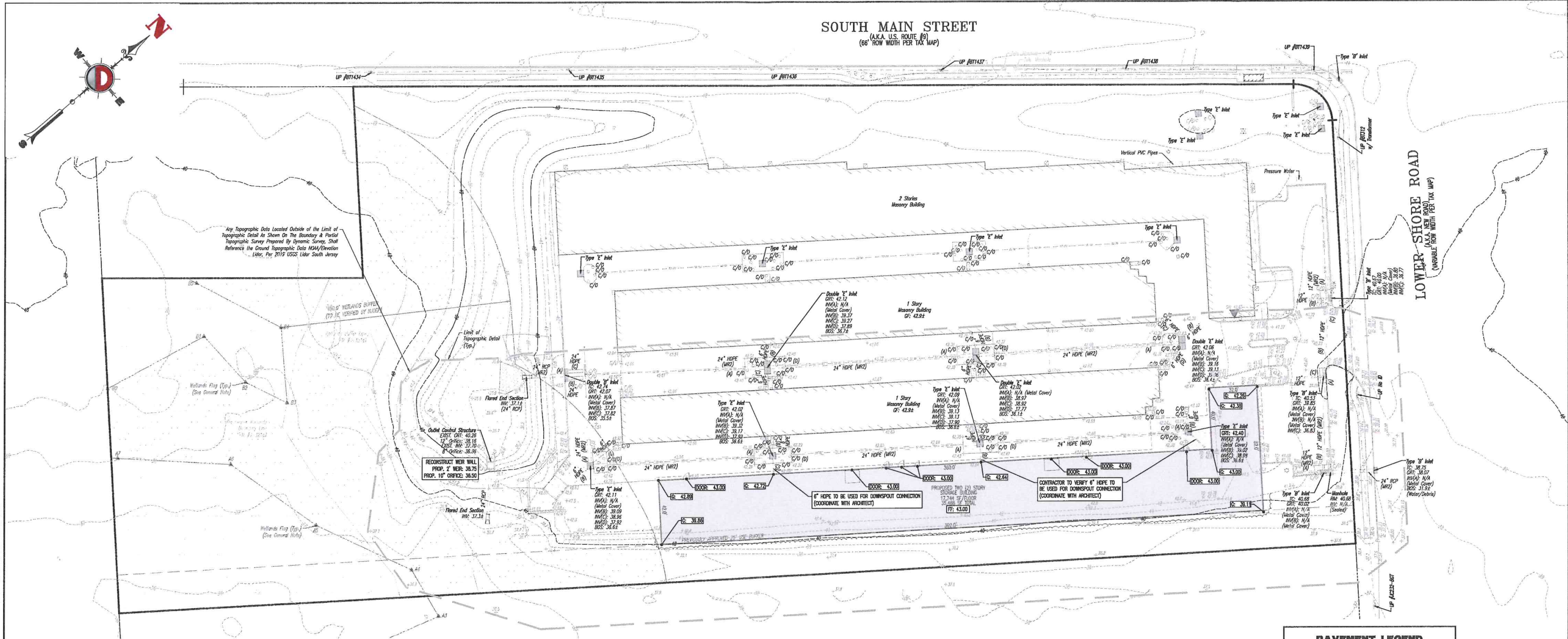
<b>DYNAMIC ENGINEERING</b> LAND DEVELOPMENT CONSULTING • PERMITTING • GEOTECHNICAL • ENVIRONMENTAL • SURVEY • PLANNING & ZONING 1004 Main Street Lake Como, NJ 07718 T: 732.574.0198 F: 732.574.3521 www.dynamiceng.com	
TITLE: <b>DEMOLITION PLAN</b>	
PROJECT: <b>SIMPLY STORAGE BARNEGAT, LLC</b> <b>PROPOSED SELF-STORAGE EXPANSION</b> BLOCK 263, LOT 1.01 220 SOUTH MAIN STREET BARNEGAT TOWNSHIP, OCEAN COUNTY, NEW JERSEY	JOB No: 1414-24-01325 DATE: 06/11/2025 DRAWN BY: RPK DESIGNED BY: KED CHECKED BY: KAK CHECKED BY: —
ROBERT P. FREUD PROFESSIONAL ENGINEER NEW JERSEY LICENSE NO. 41938	RYAN McDERMOTT PROFESSIONAL ENGINEER NEW JERSEY LICENSE NO. 56559
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SOUTH MAIN STREET  
(A.K.A. U.S. ROUTE #9)  
(66' ROW WIDTH PER TAX MAP)



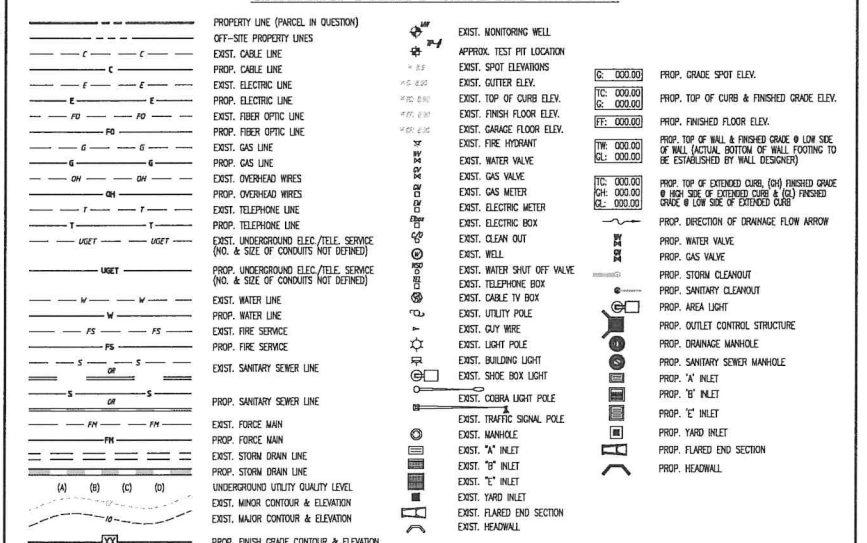
EXISTING UTILITY NOTES

EXISTING WATER SERVICE: CONTRACTOR TO LOCATE AND UTILIZE EXISTING WATER SERVICE CONNECTION IF FEASIBLE, OTHERWISE REMOVE EXISTING WATER SERVICE LINE AND CAP AT MAIN IN R.O.W. IN ACCORDANCE WITH THE LOCAL WATER COMPANY REQUIREMENTS. TERMINATION AT THE MAIN MUST BE APPROVED BY THE LOCAL WATER COMPANY PRIOR TO COMPLETION. IF THE EXISTING WATER SERVICE CAN NOT BE UTILIZED, THE NEW SERVICE IS TO BE COORDINATED AND VERIFIED FOR LOCATION WITH THE LOCAL WATER COMPANY. CONTRACTOR SHALL OBTAIN ALL REQUIRED STREET OPENING PERMITS FOR REMOVAL OF EXISTING SERVICE AND INSTALLATION OF NEW SERVICE.

EXISTING GAS SERVICE: CONTRACTOR TO LOCATE AND UTILIZE EXISTING GAS SERVICE CONNECTION IF FEASIBLE, OTHERWISE REMOVE EXISTING GAS SERVICE LINE AND CAP AT MAIN IN R.O.W. IN ACCORDANCE WITH THE LOCAL GAS COMPANY REQUIREMENTS. TERMINATION AT THE MAIN MUST BE APPROVED BY THE LOCAL GAS COMPANY PRIOR TO COMPLETION. ANY NEW SERVICE IS TO BE COORDINATED AND VERIFIED FOR LOCATION WITH THE LOCAL GAS COMPANY. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED STREET OPENING PERMITS FOR REMOVAL OF EXISTING SERVICE AND INSTALLATION OF NEW SERVICE.

SEWER SERVICE: CONTRACTOR TO LOCATE AND UTILIZE EXISTING SEWER SERVICE CONNECTION IF OF ADEQUATE SIZE AND INTEGRITY AND ACCEPTABLE TO LOCAL SEWER AUTHORITY. OTHERWISE CONTRACTOR TO REMOVE EXISTING SEWER SERVICE LINE AND CAP AT MAIN IN R.O.W. IN ACCORDANCE WITH THE LOCAL SEWER AUTHORITY REQUIREMENTS. TERMINATION AT THE MAIN MUST BE APPROVED BY THE LOCAL SEWER AUTHORITY PRIOR TO COMPLETION. IF EXISTING SEWER SERVICE CAN NOT BE UTILIZED THEN THE NEW SERVICE IS TO BE COORDINATED AND VERIFIED FOR LOCATION WITH THE LOCAL SEWER AUTHORITY. CONTRACTOR SHALL OBTAIN ALL REQUIRED STREET OPENING PERMITS FOR REMOVAL OF EXISTING SERVICE AND INSTALLATION OF NEW SERVICE.

GRADING/UTILITY GRAPHIC LEGEND



UTILITY NOTES

- LOCATION OF ALL EXISTING AND PROPOSED SERVICES ARE APPROXIMATE AND MUST BE CONFIRMED INDEPENDENTLY WITH LOCAL UTILITY COMPANIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION OR EXCAVATION. SANITARY SEWER AND ALL OTHER UTILITY SERVICE CONNECTION POINTS SHALL BE CONFIRMED INDEPENDENTLY BY THE CONTRACTOR IN FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL DISCREPANCIES SHALL BE REPORTED IMMEDIATELY IN WRITING TO THE ENGINEER. CONSTRUCTION PLANS COMMENCING AT THE LOWEST INVERT (POINT OF CONNECTION) AND PROGRESS UP GRADIENT. INTERFERENCE POINTS (CROSSINGS) WITH EXISTING UNDERGROUND UTILITIES SHALL BE FIELD VERIFIED BY TEST PIT PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY UTILITY "ONE-CALL" NUMBER 72 HOURS PRIOR TO ANY EXCAVATION ON THIS SITE. CONTRACTOR SHALL ALSO NOTIFY LOCAL WATER & SEWER DEPARTMENTS TO MARK-OUT THEIR UTILITIES.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT BUILDING UTILITY CONNECTION LOCATIONS, WHERE CONFLICTS EXIST WITH THESE SITE PLANS, ENGINEER IS TO BE NOTIFIED PRIOR TO CONSTRUCTION TO RESOLVE SAME. SERVICE SIZES TO BE DETERMINED BY ARCHITECT.
- WATER SERVICE MATERIALS SHALL BE SPECIFIED BY THE LOCAL UTILITY COMPANY. CONTRACTORS PRICE FOR WATER SERVICE SHALL INCLUDE ALL FEES AND APPURTENANCES REQUIRED BY THE UTILITY TO PROVIDE A COMPLETE WORKING SERVICE.
- ALL WATER MAIN SHALL BE CEMENT-LINED, CLASS 52 DUCTILE IRON PIPE, UNLESS OTHERWISE DESIGNATED.
- THE MINIMUM DIAMETER FOR DOMESTIC WATER SERVICES SHALL BE 1 INCH.
- ALL SANITARY SEWER MAINS SHALL BE SEPARATED FROM WATER MAINS BY A DISTANCE OF AT LEAST 18 FEET HORIZONTALLY. IF SUCH SEPARATION IS NOT POSSIBLE, THE PIPES SHALL BE IN SEPARATE TRENCHES WITH THE SEWER MAIN AT LEAST 18 INCHES BELOW THE WATER MAIN OR SUCH OTHER SEPARATION AS APPROVED BY THE APPROVING AUTHORITY. WHERE APPROPRIATE CROSSING SEPARATION FROM A WATER MAIN IS NOT POSSIBLE, THE SEWER SHALL BE ENCASED IN CONCRETE, OR CONSTRUCTED OF DUCTILE IRON PIPE USING MECHANICAL OR SLIP-ON JOINTS FOR A DISTANCE OF AT LEAST 10 FEET ON EITHER SIDE OF THE CROSSING. IN ADDITION, ONE FULL LENGTH OF SEWER PIPE SHOULD BE LOCATED SO BOTH JOINTS WILL BE AS FAR FROM THE WATER MAIN AS POSSIBLE. WHERE A WATER MAIN CROSSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT FOR THE SEWER SHALL BE PROVIDED. THE APPROVING AUTHORITY MAY REQUIRE ADDITIONAL STRUCTURAL SUPPORT FOR SEWER STORM CROSSING OVER SEWER LINES.
- ALL SANITARY SEWER MAINS SHALL BE 30"-36" PVC PIPE MATERIAL UNLESS OTHERWISE DESIGNATED. SEWER PIPES INSTALLED WITH LESS THAN 3 FEET OF COVER, GREATER THAN 20 FEET OF COVER OR WITHIN 18 INCHES OF A WATER MAIN SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE. ALL DUCTILE IRON SEWER PIPE SHALL BE CEMENT-LINED, CLASS 52 PIPE, FURNISHED WITH SOWER COAT, OR APPROVED EQUAL.
- WHERE SANITARY SEWER LATERALS ARE GREATER THAN 10' DEEP AT CONNECTION TO THE SEWER MAIN, CONCRETE DEEP LATERAL CONNECTIONS ARE TO BE UTILIZED.
- THE CONTRACTOR IS RESPONSIBLE FOR THE STABILIZATION OF THE EXISTING SEWER MAIN, STRUCTURES AND APPURTENANCES DURING CONNECTION.
- LOCATION & LAYOUT OF GAS, ELECTRIC & TELECOMMUNICATION UTILITY LINES AND SERVICES SHOWN ON THESE PLANS ARE SCHEMATIC IN NATURE. ACTUAL LOCATION & LAYOUT OF THESE UTILITIES & SERVICES ARE TO BE PER THE APPROPRIATE UTILITY PROVIDER.
- ROOF LEADER COLLECTION PIPING ARE CONCEPTUAL IN NATURE AND ARE NOT FOR CONSTRUCTION. ACTUAL ROOF LEADER COLLECTION PIPING IS TO BE COORDINATED BY ARCHITECTURAL PLANS FOR EACH INDIVIDUAL BUILDING. ALL ROOF LEADER COLLECTION PIPING SHALL BE SCHEDULE 40 PVC UNLESS OTHERWISE DESIGNATED.
- ALL SEWER AND WATER FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REGULATORY AUTHORITY'S RULES AND REGULATIONS.
- ALL PROPOSED UTILITIES TO BE INSTALLED UNDERGROUND UNLESS OTHERWISE NOTED.
- MANUFACTURED REINFORCED CONCRETE STORM PIPE TO CONFORM TO ASTM C-76, CLASS II, UNLESS OTHERWISE DESIGNATED. MANUFACTURED REINFORCED CONCRETE STORM PIPE TO CONFORM TO ASTM C-76, CLASS II, UNLESS OTHERWISE DESIGNATED. REINFORCED CONCRETE STORMWATER PIPE TO BE INSTALLED IN ACCORDANCE WITH AMERICAN CONCRETE PIPE ASSOCIATION INSTALLATION GUIDELINES AND WORTH OR PREFORMED FLEXIBLE JOINT SEALANTS IN ACCORDANCE WITH ASTM C-890 TO BE UTILIZED TO PROVIDE A SLT-TIGHT JOINT. WHERE SPECIFICALLY INDICATED, REINFORCED CONCRETE STORM PIPE JOINTS SHALL BE WATER-TIGHT AND CONFORM TO ASTM C-443.
- HOPE DRAINAGE PIPE SHALL HAVE A SMOOTH WALL INTERIOR WITH ANNUAL EXTERIOR CORRUGATIONS AND CONFORM TO ASTM F2306. SOLID PIPE SHALL HAVE GASKETED WATER-TIGHT JOINTS MEETING THE REQUIREMENTS OF ASTM F2306 AND ASTM D3212. PERFORATED PIPE SHALL HAVE GASKETED SLT-TIGHT JOINTS MEETING THE REQUIREMENTS OF ASTM F2306 AND ASTM F477. HOPE PIPE SHALL BE FROM A MANUFACTURER WHO IS AN EASTERN STATES CONSORTIUM (ESC) QUALIFIED MANUFACTURER OF HOPE PIPE AND INSTALLED IN ACCORDANCE WITH PIPE MANUFACTURER RECOMMENDATIONS.
- HOPE DRAINAGE PIPE SHALL HAVE A SMOOTH WALL INTERIOR WITH ANNUAL EXTERIOR CORRUGATIONS AND CONFORM TO ASTM F2306 (12"-30" PIPE) AND ASTM F2381 (36"-60" PIPE). PIPE SHALL HAVE GASKETED WATER-TIGHT JOINTS MEETING THE REQUIREMENTS OF ASTM D3212 AND ASTM F477. FIELD WATER-TIGHTNESS VERIFICATION MAY BE ACCOMPLISHED IN ACCORDANCE WITH ASTM F477. HOPE PIPE SHALL BE FROM A MANUFACTURER WHO IS AN EASTERN STATES CONSORTIUM (ESC) QUALIFIED MANUFACTURER OF HOPE PIPE AND INSTALLED IN ACCORDANCE WITH PIPE MANUFACTURER RECOMMENDATIONS.
- PIPE LENGTHS ON THIS PLAN HAVE BEEN MEASURED AS THE DISTANCE BETWEEN THE CENTER POINT OF THE 2 CONNECTED STRUCTURES. ACTUAL PHYSICAL PIPE LENGTH FOR INSTALLATION IS EXPECTED TO BE LESS AND SHOULD BE ACCOUNTED FOR BY THE CONTRACTOR ACCORDINGLY.

DRAINAGE NOTES

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY UTILITY "ONE-CALL" NUMBER 72 HOURS PRIOR TO ANY EXCAVATION ON THIS SITE. CONTRACTOR SHALL ALSO NOTIFY LOCAL WATER & SEWER DEPARTMENTS TO MARK-OUT THEIR UTILITIES.
- ROOF LEADER COLLECTION PIPING ARE CONCEPTUAL IN NATURE AND ARE NOT FOR CONSTRUCTION. ACTUAL ROOF LEADER COLLECTION PIPING IS TO BE COORDINATED BY ARCHITECTURAL PLANS FOR EACH INDIVIDUAL BUILDING. ALL ROOF LEADER COLLECTION PIPING SHALL BE SCHEDULE 40 PVC UNLESS OTHERWISE DESIGNATED.
- MANUFACTURED REINFORCED CONCRETE STORM PIPE TO CONFORM TO ASTM C-76, CLASS II, UNLESS OTHERWISE DESIGNATED. MANUFACTURED REINFORCED CONCRETE STORM PIPE TO CONFORM TO ASTM C-76, CLASS II, UNLESS OTHERWISE DESIGNATED. REINFORCED CONCRETE STORMWATER PIPE TO BE INSTALLED IN ACCORDANCE WITH AMERICAN CONCRETE PIPE ASSOCIATION INSTALLATION GUIDELINES AND WORTH OR PREFORMED FLEXIBLE JOINT SEALANTS IN ACCORDANCE WITH ASTM C-890 TO BE UTILIZED TO PROVIDE A SLT-TIGHT JOINT. WHERE SPECIFICALLY INDICATED, REINFORCED CONCRETE STORM PIPE JOINTS SHALL BE WATER-TIGHT AND CONFORM TO ASTM C-443.
- HOPE DRAINAGE PIPE SHALL HAVE A SMOOTH WALL INTERIOR WITH ANNUAL EXTERIOR CORRUGATIONS AND CONFORM TO ASTM F2306. SOLID PIPE SHALL HAVE GASKETED WATER-TIGHT JOINTS MEETING THE REQUIREMENTS OF ASTM F2306 AND ASTM D3212. PERFORATED PIPE SHALL HAVE GASKETED SLT-TIGHT JOINTS MEETING THE REQUIREMENTS OF ASTM F2306 AND ASTM F477. HOPE PIPE SHALL BE FROM A MANUFACTURER WHO IS AN EASTERN STATES CONSORTIUM (ESC) QUALIFIED MANUFACTURER OF HOPE PIPE AND INSTALLED IN ACCORDANCE WITH PIPE MANUFACTURER RECOMMENDATIONS.
- HOPE DRAINAGE PIPE SHALL HAVE A SMOOTH WALL INTERIOR WITH ANNUAL EXTERIOR CORRUGATIONS AND CONFORM TO ASTM F2306 (12"-30" PIPE) AND ASTM F2381 (36"-60" PIPE). PIPE SHALL HAVE GASKETED WATER-TIGHT JOINTS MEETING THE REQUIREMENTS OF ASTM D3212 AND ASTM F477. FIELD WATER-TIGHTNESS VERIFICATION MAY BE ACCOMPLISHED IN ACCORDANCE WITH ASTM F477. HOPE PIPE SHALL BE FROM A MANUFACTURER WHO IS AN EASTERN STATES CONSORTIUM (ESC) QUALIFIED MANUFACTURER OF HOPE PIPE AND INSTALLED IN ACCORDANCE WITH PIPE MANUFACTURER RECOMMENDATIONS.
- PIPE LENGTHS ON THIS PLAN HAVE BEEN MEASURED AS THE DISTANCE BETWEEN THE CENTER POINT OF THE 2 CONNECTED STRUCTURES. ACTUAL PHYSICAL PIPE LENGTH FOR INSTALLATION IS EXPECTED TO BE LESS AND SHOULD BE ACCOUNTED FOR BY THE CONTRACTOR ACCORDINGLY.

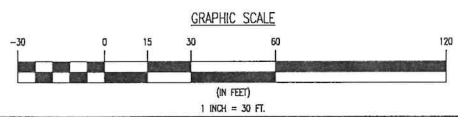
GRADING NOTES

- SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND REPLACING ALL SOFT, YIELDING OR UNSUITABLE MATERIALS AND REPLACING WITH SUITABLE MATERIALS AS SPECIFIED IN THE SOILS REPORT. ALL EXCAVATIONS SHALL BE BACKFILLED WITH SUITABLE MATERIALS AS SPECIFIED IN THE SOILS REPORT. ALL EXCAVATIONS SHALL BE BACKFILLED WITH SUITABLE MATERIALS AS SPECIFIED IN THE SOILS REPORT. ALL EXCAVATIONS SHALL BE BACKFILLED WITH SUITABLE MATERIALS AS SPECIFIED IN THE SOILS REPORT.
- CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF EXISTING TOPOGRAPHIC INFORMATION AND UTILITY INVERT ELEVATIONS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR TO ENSURE 0.75% MIN. SLOPE AGAINST ALL ISLAND OUTLETS/CURBS AND 1.0% MIN. SLOPE AGAINST ALL CURBS/OUTLETS. CONTRACTOR TO ENSURE 0.75% MIN. SLOPE AGAINST ALL ISLAND OUTLETS/CURBS AND 1.0% MIN. SLOPE AGAINST ALL CURBS/OUTLETS. CONTRACTOR TO ENSURE 0.75% MIN. SLOPE AGAINST ALL ISLAND OUTLETS/CURBS AND 1.0% MIN. SLOPE AGAINST ALL CURBS/OUTLETS.
- PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY 6" ABOVE EXISTING LOCAL ASPHALT GRADE UNLESS OTHERWISE NOTED. FIELD ADJUST TO CREATE A MIN. OF 0.75% SLOPE AWAY FROM CURB FACE RESIDING SURFACE. ENGINEER TO APPROVE FINAL CURBING OUT SHEETS PRIOR TO INSTALLATION.
- SUBGRADE MATERIAL FOR SIDEWALKS, CURBS, OR ASPHALT SHALL BE FREE OF ORGANICS AND OTHER UNSUITABLE MATERIALS. SHOULD SUBGRADE BE VIEWED UNSUITABLE, SUBGRADE IS TO BE REMOVED AND FILLED WITH APPROVED FILL MATERIAL COMPACTED TO 95% OPTIMUM DENSITY (AS DETERMINED BY MODIFIED PROCTOR METHOD).
- REFER TO SITE PLAN FOR ADDITIONAL NOTES.
- IN CASE OF DISCREPANCIES BETWEEN PLANS, THE SITE PLAN WILL SUPERSEDE IN ALL CASES. CONTRACTOR MUST NOTIFY ENGINEER OF RECORD OF ANY CONFLICT IMMEDIATELY.
- MAXIMUM CROSS SLOPE OF 1:48 (2.08%) ON ALL SIDEWALKS.
- CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE OWNER'S GEOTECHNICAL ENGINEER PRIOR TO ONSET OF CONSTRUCTION TO SUBMIT AND OBTAIN THE CONTRACTOR'S PROPOSED MEANS AND MATERIALS AND TO SCHEDULE INSPECTIONS FOR BOTTOM OF BASIN, REMOVAL OF UNSUITABLE SOIL, FILL PLACEMENT, AND FINAL BASIN FINISH/GRADIENT TESTING.
- THE CONTRACTOR IS RESPONSIBLE FOR AS-BUILT PLANS AND GRADE CONTROL, UNLESS DEFINED OTHERWISE ELSEWHERE IN THE CONTRACT DOCUMENTS.

PAVEMENT LEGEND



REFER TO ARCHITECTURAL PLANS FOR PROPOSED ROOF LEADER DOWNSPOUT LOCATIONS. EXISTING 6" HDPE ROOF LEADERS TO REMAIN AND BE CONNECTED TO THE PROPOSED DOWNSPOUTS. CONTRACTOR SHALL NOTIFY DYNAMIC ENGINEERING OF CONFLICTS.



THIS PLAN SET IS FOR PERMITTING PURPOSES ONLY AND MAY NOT BE USED FOR CONSTRUCTION

**DYNAMIC ENGINEERING**  
LAND DEVELOPMENT CONSULTING • PERMITTING • GEO/TECHNICAL • ENVIRONMENTAL • SURVEY • PLANNING & ZONING

1504 Main Street  
Lake Como, NJ 07719  
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Trenton, New Jersey: 1.732.742.7199 | Allentown, Pennsylvania: 1.732.534.2700 | Allentown, Pennsylvania: 1.732.534.2700 | Allentown, Pennsylvania: 1.732.534.2700  
Henderson, Pennsylvania: 1.767.685.5276 | Philadelphia, Pennsylvania: 1.215.233.4688 | Berks County, Pennsylvania: 1.610.396.4682 | Annapolis, Maryland: 1.410.547.5000

TITLE: **GRADING, DRAINAGE AND UTILITY PLAN**

PROJECT: **SIMPLY STORAGE BARNEGAT, LLC**  
PROPOSED SELF-STORAGE EXPANSION  
BLOCK 263, LOT 1.01  
2220 SOUTH MAIN STREET  
BARNEGAT TOWNSHIP, OCEAN COUNTY, NEW JERSEY

JOB No: 1414-24-01325  
DATE: 06/11/2025  
SCALE: 1"=30'  
SHEET No: 5  
OF 10

DESIGNED BY: RPK  
CHECKED BY: KAK  
PROFESSIONAL ENGINEER  
NEW JERSEY LICENSE No. 41938

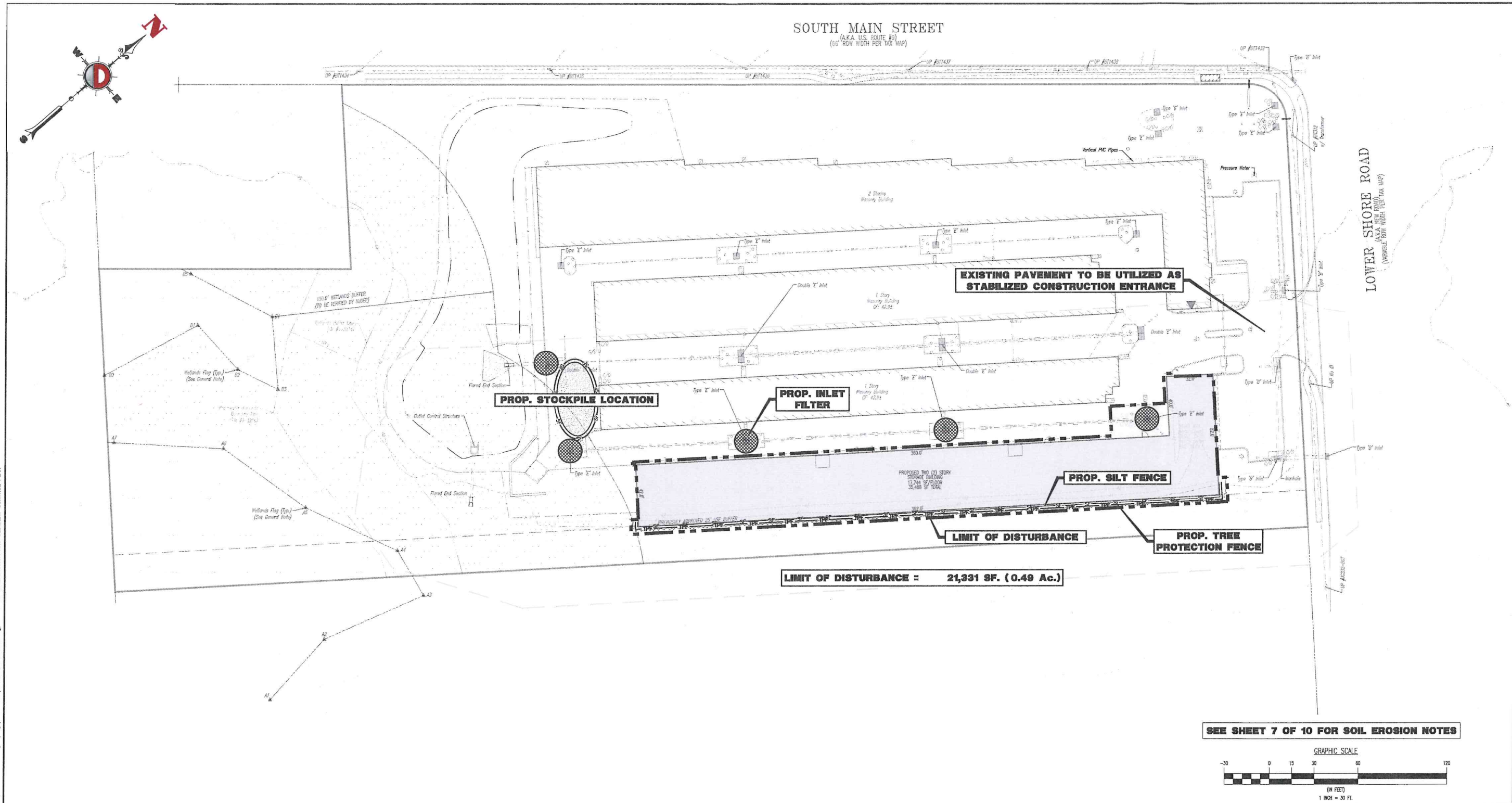
DESIGNED BY: RPK  
CHECKED BY: KAK  
PROFESSIONAL ENGINEER  
NEW JERSEY LICENSE No. 56559

PROTECT YOURSELF  
ALL SOILS REPORTS, EXISTING OR NEW, SHALL BE REVIEWED BY AN ENGINEER PRIOR TO CONSTRUCTION. FAILURE TO DO SO MAY RESULT IN FINES OR OTHER PENALTIES. CALL YOUR ENGINEER FOR MORE INFORMATION.

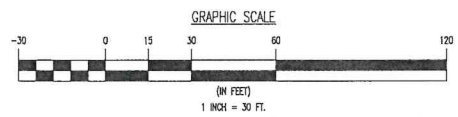
Rev. 1 0



Plotted: 05/19/23 - 1:54 PM, By: gschlach, Product: Ver: 25.0  
File: \\veraplan\Users\g\g\Public Storage Inc\24-01325 Barnegat\DWG\Site Plans\014142401446500.dwg, --> 06 SOIL EROSION AND SEDIMENT CONTROL PLAN



SEE SHEET 7 OF 10 FOR SOIL EROSION NOTES



**EROSION CONTROL LEGEND**  
--- PROP. LIMIT OF DISTURBANCE LINE  
--- PROP. SILT FENCE LINE  
--- PROP. TREE PROTECTION FENCE LINE  
● PROP. INLET FILTER

THIS PLAN SET IS FOR PERMITTING PURPOSES ONLY AND MAY NOT BE USED FOR CONSTRUCTION

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1904 Main Street, Lake Como, NJ 07719  
T: 732.241.0118 F: 732.241.0521 www.dynamiceng.com

**TITLE: SOIL EROSION AND SEDIMENT CONTROL PLAN**

**PROJECT: SIMPLY STORAGE BARNEGAT, LLC**  
**PROPOSED SELF-STORAGE EXPANSION**  
BLOCK 263, LOT 1.01  
220 SOUTH MAIN STREET  
BARNEGAT TOWNSHIP, OCEAN COUNTY, NEW JERSEY

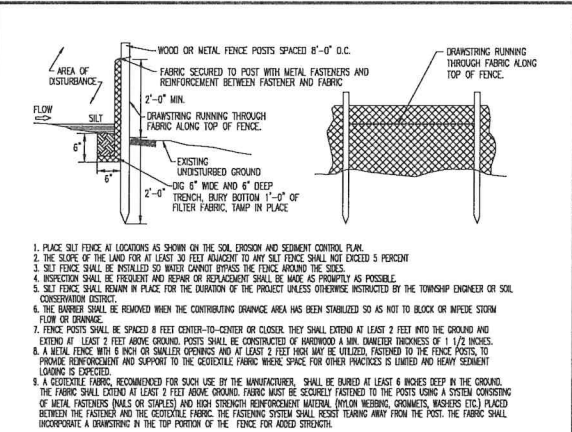
**DATE: 06/11/2025**  
**SCALE: (H) 1"=30' (V)**  
**SHEET No: 6 OF 10**

**ROBERT P. FREUD** PROFESSIONAL ENGINEER  
NEW JERSEY LICENSE No. 41938

**RYAN MCDERMOTT** PROFESSIONAL ENGINEER  
NEW JERSEY LICENSE No. 56559

**PROTECT YOURSELF**  
ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NEW JERSEY PROFESSIONAL ENGINEERING ACT AND THE NEW JERSEY PROFESSIONAL LAND SURVEYING ACT.  
FOR STATE SPECIFIC RULES AND REGULATIONS VISIT: WWW.CALL811.COM





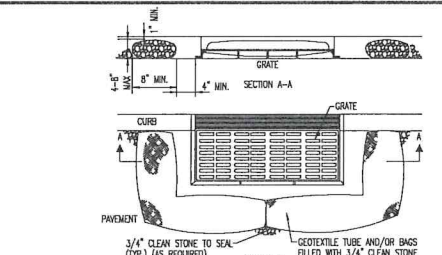
**SILT FENCE DETAIL**  
NOT TO SCALE

**STANDARD FOR STABILIZATION WITH MULCH ONLY**

1. SITE PREPARATION  
A. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDED PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH ANCHORING. ALL GRADING SHOULD BE DONE IN ACCORDANCE WITH STANDARDS FOR LAND GRADING.  
B. INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENT BASINS, AND WATERWAYS. SEE STANDARDS 11 THROUGH 42.
2. PROTECTIVE MATERIALS  
A. UNROTTED SMALL-GRAIN STRAW AT 2.0 TO 2.5 TONS PER ACRE, IS SPREAD UNIFORMLY AT 90 TO 115 POUNDS PER 1,000 SQUARE FEET AND ANCHORED WITH A MULCH NETTING, OR NETTING THE OTHER OTHER SUITABLE MATERIALS MAY BE USED.  
B. SYNTHETIC OR ORGANIC SOIL STABILIZERS MAY BE USED UNDER SUITABLE CONDITIONS AND IN QUANTITIES AS RECOMMENDED BY THE MANUFACTURER.  
C. MULCH-FIBER OR PAPER-FIBER MULCH AT THE RATE OF 1,500 POUNDS PER ACRE (OR ACCORDING TO THE MANUFACTURER'S REQUIREMENTS) MAY BE APPLIED BY A HYDROSEEDER.  
D. MULCH NETTING, SUCH AS PAPER JUTE, EKKOSEED, COTTON, OR PLASTIC, MAY BE USED.  
E. WOODCHIPS APPLIED UNIFORMLY AT A MINIMUM DEPTH OF 2 INCHES MAY BE USED. WOODCHIPS MAY NOT BE USED ON AREAS WHERE FLOWING WATER COULD WASH THEM INTO AN INLET AND PLUG IT.  
F. GRASS, CRUSHED STONE, OR SLAG AT THE RATE OF 5 CUBIC YARDS PER 1,000 SQ. FT. APPLIED UNIFORMLY TO A MINIMUM DEPTH OF 3 INCHES MAY BE USED. SEE 2.0 (A) OR 3.0 (A) FOR C-33 IS RECOMMENDED.
3. MULCH ANCHORING -- SHOULD BE ACCOMPLISHED IMMEDIATELY AFTER PLACEMENT OF HAY OR STRAW MULCH TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY ONE OF THE FOLLOWING METHODS IN ACCORDANCE WITH THE STATE STANDARDS, DEPENDING UPON THE SIZE OF THE AREA AND STEEPNESS OF SLOPES.  
A. PEG AND TWINE  
B. MULCH NETTING  
C. CRAMPER MULCH ANCHORING COUPLER TOOL  
D. LIQUID MULCH-BINDERS

**STANDARD FOR PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION**

1. SITE PREPARATION  
A. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDED PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH ANCHORING. ALL GRADING SHOULD BE DONE IN ACCORDANCE WITH STANDARDS FOR LAND GRADING.  
B. IMMEDIATELY PRIOR TO SEEDED PREPARATION, THE SUBSOIL SHALL BE EVALUATED FOR COMPACTION IN ACCORDANCE WITH THE STANDARD FOR LAND GRADING.  
C. TOPSOIL SHOULD BE HANDLED ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT DAMAGING THE SOIL STRUCTURE. A UNIFORM APPLICATION TO A DEPTH OF 5 INCHES (UNSETTLED) IS REQUIRED ON ALL SITES. TOPSOIL SHALL BE AMENDED WITH ORGANIC MATTER, AS NEEDED, IN ACCORDANCE WITH THE STANDARD FOR TOPSOILING.  
D. INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENT BASINS, AND WATERWAYS.
2. SEEDED PREPARATION  
A. UNIFORMLY APPLY GRADE LIMESTONE AND FERTILIZER TO TOPSOIL, WHICH HAS BEEN SPREAD AND FIRMED, ACCORDING TO SOIL TEST RECOMMENDATIONS SUCH AS OFFERED BY RUTGERS CO-OPERATIVE EXTENSION SOIL SAMPLE MAINTENANCE ARE AVAILABLE FROM THE LOCAL RUTGERS CO-OPERATIVE EXTENSION OFFICE (HTTP://WWW.RUTGERS.CO-OP.EDU/).  
FERTILIZER SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE OR 11 POUNDS PER 1,000 SQUARE FEET OF 10-10-10 OR EQUIVALENT WITH SOLUBLE NUTRIENTS.  
B. WORK LIME AND FERTILIZER INTO THE TOPSOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, SPRING-TOOTH HARROW, OR OTHER SUITABLE EQUIPMENT. THE LIME, HARROWING OR DISKING OPERATION SHOULD BE ON THE GENERAL CONTOUR, CONTINUE TILLAGE UNTIL A REASONABLE UNIFORM SEEDING IS OBTAINED.  
C. HIGH ACID PRODUCING SOILS HAVING A PH OF 4 OR LESS OR CONTAINING IRON SULFIDE SHALL BE COVERED WITH A MINIMUM OF 12 INCHES OF SOIL, HAVING A PH OF 5 OR MORE. BEFORE INITIATING SEEDED PREPARATION, SEE STANDARD FOR MANAGEMENT OF HIGH ACID PRODUCING SOILS FOR SPECIFIC REQUIREMENTS.
3. SEEDING  
A. PERMANENT VEGETATIVE MATURES & PLANTING RATES  
GENERAL LAWN AREAS (500 SQ. YD. MIN. 13 FROM TABLE 4)  
(1) HARD FESCUE AND/OR CHEVING FESCUE AND/OR STRONG CREEPING RED FESCUE -- 175 LBS/ACRE 4 LBS/1000 SQ. FT.  
(2) PERENNIAL PEGEASS -- 45 LBS/ACRE 1 LBS/1000 SQ. FT.  
(3) KENTUCKY BLUEGRASS (BLENDED) -- 45 LBS/ACRE 1 LBS/1000 SQ. FT.  
BASIN AREAS (500 SQ. YD. MIN. 9 FROM TABLE 4)  
(1) DEEP TOWHEE -- 20 LBS/ACRE 0.45 LBS/1000 SQ. FT.  
(2) REDTOP -- 25 LBS/ACRE 0.05 LBS/1000 SQ. FT.  
(3) MID BLUE (TALL) -- 15 LBS/ACRE 0.15 LBS/1000 SQ. FT.  
(4) SWITCHGRASS -- 20 LBS/ACRE 0.06 LBS/1000 SQ. FT.  
B. CONVENTIONAL SEEDING IS PERFORMED BY APPLYING SEED UNIFORMLY BY HAND, CYCLO (CONTINUOUS) SEEDER, DRIP SEEDER, DRILL, OR CULTIVATOR SEEDER, EXCEPT FOR DRILLED, HYDROSEEDED OR CULPATED SEEDING. MULCH SHALL BE INCORPORATED INTO THE SOIL WITHIN 24 HOURS OF SEEDED PREPARATION TO A DEPTH OF 1/4 TO 1/2 INCH, BY RAVING OR DRAGGING. DEPTH OF SEED PLACEMENT MAY BE 1/4 INCH DEEPER ON COARSE-TEXTURED SOIL.  
C. AFTER SEEDING, FIRING THE SOIL WITH A CORRUGATED ROLLER WILL ASSURE GOOD SEED-TO-SOIL CONTACT, RESTORE CAPILLARITY, AND IMPROVE SEEDLING EMERGENCE. THIS IS THE PREFERRED METHOD, WHEN PERFORMED ON THE CONTOUR, SHEET EROSION WILL BE MINIMIZED AND WATER CONSERVATION ON SITE WILL BE MAINTAINED.  
D. HYDROSEEDING IS A BROADCAST SEEDING METHOD USUALLY INVOLVING A TRUCK OR TRAILER-MOUNTED TANK WITH AN AGITATION SYSTEM AND HYDRAULIC PUMP FOR MIXING SEED, WATER AND FERTILIZER AND SPRAYING THE MIX ONTO THE PREPARED SEEDBED. MULCH SHALL NOT BE INCLUDED IN THE TANK WITH SEED. SHORT FIBERED MULCH MAY BE APPLIED WITH A HYDROSEEDER FOLLOWING SEEDING. (ALSO SEE SECTION 4-MULCHING BELOW). HYDROSEEDING IS NOT A PREFERRED SEEDING METHOD BECAUSE SEED AND FERTILIZER ARE APPLIED TO THE SURFACE AND NOT INCORPORATED INTO THE SOIL, WHEN POOR SEED TO SOIL CONTACT OCCURS, THERE IS A REDUCED SEED GERMINATION AND GROWTH.
4. MULCHING  
MULCHING IS REQUIRED ON ALL SEEDING. MULCH WILL PROTECT AGAINST EROSION BEFORE GRASS IS ESTABLISHED AND WILL PROMOTE FASTER AND EARLIER ESTABLISHMENT. THE EXISTENCE OF VEGETATION SUFFICIENT TO CONTROL SOIL EROSION SHALL BE DEMAND COMPLIANCE WITH THIS MULCHING REQUIREMENT.  
A. STRAW OR HAY, UNROTTED SMALL GRAIN STRAW, HAY FREE OF SEEDS, APPLIED AT THE RATE OF 1.5 TO 2 TONS PER ACRE (70 TO 90 POUNDS PER 1,000 SQUARE FEET), EXCEPT THAT WHERE A CRAMPER IS USED INSTEAD OF A LIQUID MULCH-BINDER (ANCHORING OR ADHESIVE AGENT), THE RATE OF APPLICATION IS 3 TONS PER ACRE. MULCH CHOPPER-BLOWERS MUST NOT GRIND THE MULCH. HAY MULCH IS NOT RECOMMENDED FOR ESTABLISHING FIRE TURF OR LAWNS DUE TO THE PRESENCE OF WEED SEED.  
APPLICATION: SPREAD MULCH UNIFORMLY BY HAND OR MECHANICALLY SO THAT APPROXIMATELY 85% OF THE SOIL SURFACE WILL BE COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 SQUARE FEET SECTIONS AND DISTRIBUTE TO 90 POUNDS WITH EACH SECTION.  
ANCHORING SHALL BE ACCOMPLISHED IMMEDIATELY AFTER PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY ONE OF THE FOLLOWING METHODS IN ACCORDANCE WITH THE STATE STANDARDS, DEPENDING UPON THE SIZE OF THE AREA, STEEPNESS OF SLOPES, AND COST:  
(1) PEG AND TWINE  
(2) MULCH NETTING  
(3) CRAMPER MULCH ANCHORING COUPLER TOOL  
(4) LIQUID MULCH-BINDERS  
B. WOOD-FIBER OR PAPER-FIBER MULCH SHALL BE MADE FROM WOOD, PLANT FIBERS OR PAPER CONTAINING NO GROWTH OR GERMINATION INHIBITING MATERIALS, USED AT THE RATE OF 1,500 POUNDS PER ACRE (OR AS RECOMMENDED BY THE PRODUCT MANUFACTURER) AND MAY BE APPLIED BY A HYDROSEEDER. THIS MULCH SHALL HAVE A MINIMUM ORGANIC WATER CONTENT OF 2.5 PERCENT. ORGANIC WATER CONTENT MAY BE DETERMINED BY DETERMINING THE COMPOSITION OF SAND, SILT, CLAY, ORGANIC MATTER, SOLUBLE SALTS AND PH LEVEL.  
C. PELLETED MULCH, COMPRESSED AND EXTRUDED PAPER AND/OR WOOD FIBER PRODUCT, WHICH MAY CONTAIN CO-POLYMERS, TACKIFIERS, FERTILIZERS, AND COLORING AGENTS, THE DRY PELLETS, WHEN APPLIED TO A SEEDBED AREA AND WATERED, FORM A MULCH MAT. PELLETED MULCH SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. MULCH MAY BE APPLIED BY HAND OR MECHANICAL SPREADER AT THE RATE OF 60-75 LBS/1,000 SQUARE FEET AND ACTIVATED WITH 0.2 TO 0.4 INCHES OF WATER. THIS MATERIAL HAS BEEN FOUND TO BE BENEFICIAL FOR USE ON SMALL LAWN OR RENOVATION AREAS. SEEDBED AREAS WHERE WEED-SEED FREE MULCH IS DESIRED, OR ON SITES WHERE STRAW MULCH AND TACKIFIER AGENT ARE NOT PRACTICAL, OR DESIRABLE.  
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C. PELLETED MULCH -- COMPRESSED AND EXTRUDED PAPER AND/OR WOOD FIBER PRODUCT, WHICH MAY CONTAIN CO-POLYMERS, TACKIFIERS, FERTILIZERS, AND COLORING AGENTS, THE DRY PELLETS, WHEN APPLIED TO A SEEDBED AREA AND WATERED, FORM A MULCH MAT. PELLETED MULCH SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. MULCH MAY BE APPLIED BY HAND OR MECHANICAL SPREADER AT THE RATE OF 60-75 LBS/1,000 SQUARE FEET AND ACTIVATED WITH 0.2 TO 0.4 INCHES OF WATER. THIS MATERIAL HAS BEEN FOUND TO BE BENEFICIAL FOR USE ON SMALL LAWN OR RENOVATION AREAS. SEEDBED AREAS WHERE WEED-SEED FREE MULCH IS DESIRED, OR ON SITES WHERE STRAW MULCH AND TACKIFIER AGENT ARE NOT PRACTICAL, OR DESIRABLE.  
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(2) MULCH NETTING  
(3) CRAMPER MULCH ANCHORING COUPLER TOOL  
(4) LIQUID MULCH-BINDERS



**INLET FILTER, TYPE 1**  
NOT FOR USE WITH MOST INLET-OF-WAY

**INLET FILTER COMBINED DETAIL**  
NOT TO SCALE

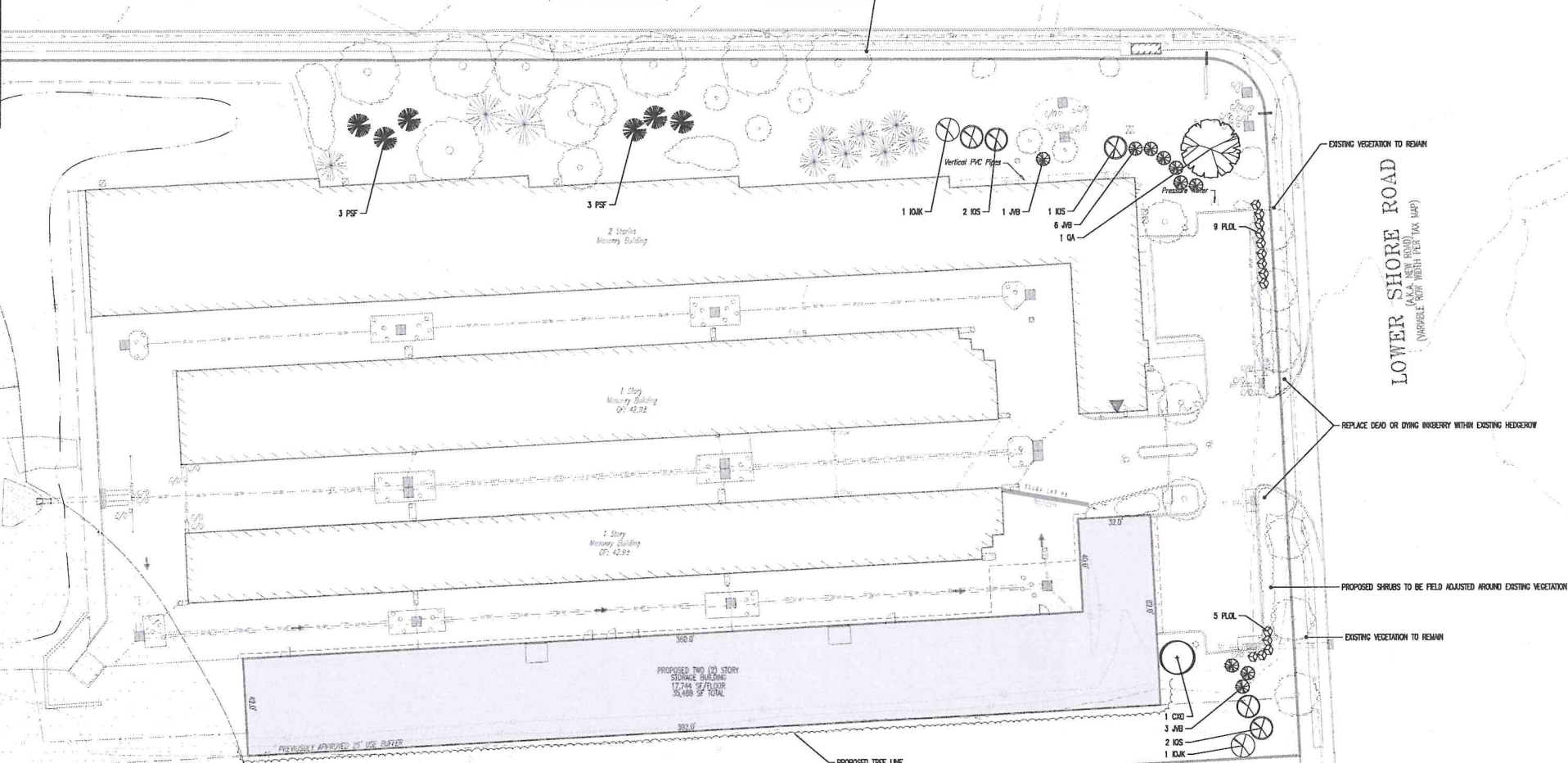
**STANDARD FOR TEMPORARY VEGETATIVE COVER FOR SOIL STABILIZATION**

1. SITE PREPARATION  
A. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDED PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH ANCHORING. ALL GRADING SHOULD BE DONE IN ACCORDANCE WITH STANDARDS FOR LAND GRADING, PG. 19-1.  
B. INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENT BASINS, AND WATERWAYS. SEE STANDARDS 11 THROUGH 42.  
C. IMMEDIATELY PRIOR TO SEEDED PREPARATION, THE SURFACE SHOULD BE SCARIFIED 6 TO 12" WHERE THERE HAS BEEN SOIL COMPACTION. THIS PRACTICE IS FEASIBLE ONLY WHERE THERE IS NO DANGER TO UNDERGROUND UTILITIES (CABLES, IRRIGATION SYSTEMS, ETC.).
2. SEEDED PREPARATION  
A. APPLY GRADE LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST RECOMMENDATIONS SUCH AS OFFERED BY RUTGERS CO-OPERATIVE EXTENSION SOIL SAMPLE MAINTENANCE ARE AVAILABLE FROM THE LOCAL RUTGERS CO-OPERATIVE EXTENSION OFFICE (HTTP://WWW.RUTGERS.CO-OP.EDU/).  
FERTILIZER SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE OR 11 POUNDS PER 1,000 SQUARE FEET OF 10-10-10 OR EQUIVALENT WITH SOLUBLE NUTRIENTS.  
B. WORK LIME AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, SPRING-TOOTH HARROW, OR OTHER SUITABLE EQUIPMENT. THE LIME, HARROWING OR DISKING OPERATION SHOULD BE ON THE GENERAL CONTOUR, CONTINUE TILLAGE UNTIL A REASONABLE UNIFORM SEEDING IS OBTAINED.  
C. INSPECT SEEDED STAFF BEFORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACTED, THE AREA MUST BE RETILED IN ACCORDANCE WITH THE ABOVE.  
D. SOILS HIGH IN SULFIDES OR HAVING A PH OF 4 OR LESS REFER TO STANDARD FOR MANAGEMENT OF HIGH ACID PRODUCING SOILS, PG. 1-1.
3. SEEDING  
A. TEMPORARY VEGETATIVE STABILIZATION GRASSES, SEEDING RATES, DATES AND DEPTHS  
--COOL SEASON GRASSES:  
(1) PERENNIAL PEGEASS -- 100 LBS / ACRE; PLANT BETWEEN MARCH 1 AND MAY 15 BETWEEN AUGUST 15 AND OCTOBER 1; AT A DEPTH OF 0.5 INCHES.  
(2) SPRING OATS -- 66 LBS / ACRE; PLANT BETWEEN MARCH 1 AND MAY 15 BETWEEN AUGUST 15 AND OCTOBER 1; AT A DEPTH OF 1.0 INCHES.  
(3) WINTER BARLEY -- 66 LBS / ACRE; PLANT BETWEEN MARCH 1 AND MAY 15 BETWEEN AUGUST 15 AND OCTOBER 1; AT A DEPTH OF 1.0 INCHES.  
(4) ANNUAL PEGEASS -- 100 LBS / ACRE; PLANT BETWEEN MARCH 1 AND JUNE 15 BETWEEN AUGUST 15 AND SEPTEMBER 15; AT A DEPTH OF 0.5 INCHES.  
(5) WINTER CEREAL RYE -- 112 LBS / ACRE; PLANT BETWEEN AUGUST 1 AND NOVEMBER 15, AT A DEPTH OF 1.0 INCHES.  
--WARM SEASON GRASSES:  
(1) PEARL MILLET -- 20 LBS / ACRE; PLANT BETWEEN MAY 15 AND AUGUST 15; AT A DEPTH OF 1.0 INCHES.  
(2) MILLET (GERMAN OR HUNGARIAN) -- 30 LBS / ACRE; PLANT BETWEEN MAY 15 AND AUGUST 15; AT A DEPTH OF 1.0 INCHES.  
B. MULCH MATERIALS TO BE LOCATED WITHIN 50' OF A FLOOD PLAIN, SLOPE, ROADWAY, OR DRAINAGE FACILITY. THE BASE OF ALL STOCKPILES MUST BE PROTECTED BY A HAY BALE BARRIER OR SEDIMENT FENCE.  
C. A CRUSHED STONE VEHICLE WHEEL CLEANING BLANKET WILL BE INSTALLED IMMEDIATELY AFTER INITIAL SITE DISTURBANCE AND WILL BE INSTALLED IMMEDIATELY AFTER A CONSTRUCTION ACCESS ROAD INTERSECTS ANY PAVED ROADWAY. BLANKET SHALL BE 1-1/2" TO 2" CRUSHED STONE AND AT LEAST 30' X 100' AND MUST BE UNDERLAIN WITH A SUITABLE SYNTHETIC SEDIMENT FILTER FABRIC AND MAINTAINED.  
D. MAXIMUM SLOPE SLOPES OF ALL EXPOSED SURFACES SHALL NOT EXCEED 3:1 UNLESS OTHERWISE APPROVED BY THE DISTRICT.  
E. ANY INDIVIDUAL ACCESS ROADS OR DRIVES MUST BE STABILIZED WITH 1-1/2" CRUSHED STONE PRIOR TO COMMENCEMENT OF CONSTRUCTION IN THAT AREA.  
F. PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.  
G. ALL CATCH BASIN INLETS MUST BE PROTECTED WITH A CRUSHED STONE OR HAY BALE FILTER (SEE DETAIL).  
H. CONTOUR OUTLET PROTECTION MUST BE INSTALLED AT ALL REQUIRED OUT FALLS PRIOR TO THE DRAINAGE SYSTEM BECOMING OPERATIONAL.  
I. ALL DE-WATERING CHANNELS OR DITCHES MUST BE INSTALLED DIRECTLY INTO A SEDIMENT FILTER AREA. THE SEDIMENT FILTER SHALL BE COMPOSED OF A SUITABLE SEDIMENT FILTER FABRIC (SEE DETAIL).  
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A. MULCH MATERIALS TO BE LOCATED WITHIN 50' OF A FLOOD PLAIN, SLOPE, ROADWAY, OR DRAINAGE FACILITY. THE BASE OF ALL STOCKPILES MUST BE PROTECTED BY A HAY BALE BARRIER OR SEDIMENT FENCE.  
B. A CRUSHED STONE VEHICLE WHEEL CLEANING BLANKET WILL BE INSTALLED IMMEDIATELY AFTER INITIAL SITE DISTURBANCE AND WILL BE INSTALLED IMMEDIATELY AFTER A CONSTRUCTION ACCESS ROAD INTERSECTS ANY PAVED ROADWAY. BLANKET SHALL BE 1-1/2" TO 2" CRUSHED STONE AND AT LEAST 30' X 100' AND MUST BE UNDERLAIN WITH A SUITABLE SYNTHETIC SEDIMENT FILTER FABRIC AND MAINTAINED.  
C. MAXIMUM SLOPE SLOPES OF ALL EXPOSED SURFACES SHALL NOT EXCEED 3:1 UNLESS OTHERWISE APPROVED BY THE DISTRICT.  
D. ANY INDIVIDUAL ACCESS ROADS OR DRIVES MUST BE STABILIZED WITH 1-1/2" CRUSHED STONE PRIOR TO COMMENCEMENT OF CONSTRUCTION IN THAT AREA.  
E. PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.  
F. ALL CATCH BASIN INLETS MUST BE PROTECTED WITH A CRUSHED STONE OR HAY BALE FILTER (SEE DETAIL).  
G. CONTOUR OUTLET PROTECTION MUST BE INSTALLED AT ALL REQUIRED OUT FALLS PRIOR TO THE DRAINAGE SYSTEM BECOMING OPERATIONAL.  
H. ALL DE-WATERING CHANNELS OR DITCHES MUST BE INSTALLED DIRECTLY INTO A SEDIMENT FILTER AREA. THE SEDIMENT FILTER SHALL BE COMPOSED OF A SUITABLE SEDIMENT FILTER FABRIC (SEE DETAIL).  
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I. PERMANENT STABILIZATION SPECIFICATIONS: SEED



KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
<b>SHRUB TREES(S)</b>					
COX	1	CELTIS X OCCIDENTALIS	HACKBERRY	2 1/2-3" CAL.	B+B
QA	2	QUERCUS ALBA	WHITE OAK	2 1/2-3" CAL.	B+B
<b>EVERGREEN TREES(S)</b>					
IOJK	2	ILEX OPACA "JERSEY KNIGHT"	JERSEY KNIGHT AMERICAN HOLLY	6-8"	B+B
IOS	5	ILEX OPACA "SATYR HILL"	SATYR HILL HOLLY	6-8"	B+B
JHI	1	JUNIPERUS VIRGINIANA "BURKE"	BURKE RED CEDAR	6-8"	B+B
PSF	6	PNUS STROBUS "FASTIGIATA"	PYRAMIDAL WHITE PINE	6-8"	B+B
	23				
<b>EVERGREEN SHRUB(S)</b>					
PIOL	14	PRUNUS LAUROCARPUS "OTTO LUYKEN"	OTTO LUYKEN CHERRYLAUREL	24-30"	#3 CAN

SOUTH MAIN STREET  
(A.K.A. U.S. ROUTE #9)  
(66' ROW WIDTH PER TAX MAP)



SCOPE OF WORK

A. THIS WORK SHALL INCLUDE: DESIGNING, CLEANING, SOIL PREPARATION, TOPSOIL SPREADING, PLANTING, AND DRAINAGE, INCLUDING ALL LABOR AND MATERIALS, EQUIPMENT, AND ANY OTHER APPROPRIATE NECESSARY FOR THE COMPLETION OF THIS PROJECT.

B. MATERIALS

1. TOPSOIL - ALL MATERIALS SHALL MEET OR EXCEED SPECIFICATIONS AS OUTLINED IN THE STATE DEPARTMENT OF TRANSPORTATION (D.O.T.), MANUAL OF ROADWAY AND BRIDGE CONSTRUCTION (LATEST EDITION) OR APPROVED EQUIV.

2. MANURE - ALL MANURE SHALL BE OF NATURAL ORIGIN, FREE FROM DISEASE AND PESTS.

3. TOPSOIL - LOAMY SILT, HAVING AN ORGANIC CONTENT NOT LESS THAN 5% pH RANGE NEUTRAL TO 7.5; BE FREE OF DEBRIS, ROCKS LARGER THAN TWO INCHES (2"), WOOD, RUBBERS, VEGETABLE MATTER AND CLAY CLOTS.

4. MULCH - FOUR (4") MINIMUM THICKNESS SHREDDED AMERICAN BARK MULCH.

5. FERTILIZER AND SOIL CONDITIONER - PLANTER AREAS SHALL BE FERTILIZED WITH MINERAL CONTENT OF 1% NITROGEN AND 2% PHOSPHORIC ACID, EQUAL TO 1% NITROGENS.

6. ORGANIC FERTILIZER AND SOIL CONDITIONER - SHALL BE 100% PURE, ORGANIC BASE MATERIALS COMPOSED OF DECOMPOSED ANIMAL AND PLANT MATTER AND COMPOSTED TO SUPPLY SUCCESSIONAL CULTIVARS, CONTAINING NO POULTRY OR HUMAN WASTE. GUARANTEED ANALYSIS: (3-5-1) NITROGEN 5% PHOSPHATE 3%, POTASH 1.5% SOIL HUMUS AND 1.5% HUMIC ACIDS.

C. GRADING WORK - GRADING SHALL BE ACCORDING TO THE SPECIFICATIONS OF THE END OF EACH DAY'S WORK.

D. LANDSCAPE WORK SHALL COMMENCE AS SOON AS THOSE PORTIONS OF THE SITE ARE AVAILABLE. CONTRACTOR TO UTILIZE WORKMANSHIP AND KNOWLEDGE OF THE CONTRACTOR TO DETERMINE THE BEST PLANTING AND DRAINAGE METHODS. MATERIALS AND TOOLS SHALL BE PROPERLY STOCKPILED OR DISPOSED OF. ALL PAVED SURFACES SHALL BE SWEPT CLEAN AT THE END OF EACH WORK DAY.

E. WEEDING

1. BEFORE AND DURING VEGETATION GROWTH AND FINISH GRADING, ALL WEEDS AND GRASSES SHALL BE DIG UP BY THE ROOTS AND DISPOSED OF BY THE CONTRACTOR'S EXPENSE.

F. TOPSOILING

1. CONTRACTOR TO PROVIDE A 4" THICK TOPSOIL LAYER IN ALL PLANTING AREAS. TOPSOIL SHOULD BE SPREAD OVER A PREPARED SURFACE IN A UNIFORM LAYER TO PROVIDE A 4" UNSETTLED THICKNESS. TOPSOIL PRESENT AT THE SITE, IF ANY, MAY BE USED TO SUPPLEMENT TOTAL TOPSOIL. TOPSOIL SHALL BE SPREAD TO A MINIMUM OF 4" TOPSOIL UNLESS 4" TOPSOIL UNLESS ALL PLANTING AREAS. ADJUST pH AND NUTRIENT LEVELS AS REQUIRED TO ENSURE AN ADEQUATE GROWING MEDIUM.

G. SOIL CONDITIONING

1. PLANTING AREAS TO BE PLANTED TO A DEPTH OF 6". ALL DEBRIS EXPOSED FROM EXCAVATION AND CULINATION SHALL BE DISPOSED OF BY THE CONTRACTOR'S EXPENSE. SPREAD SEVERAL INCHES IN ALL PLANTING AREAS AND TILL (2 DIRECTIONS) INTO TOP 4" WITH THE FOLLOWING PERCENTAGE:

1,000 TO 200 LBS 500-500 PPM  
200 TO 100 LBS 100-100 PPM  
100 TO 50 LBS 50-50 PPM  
50 TO 20 LBS 20-20 PPM  
20 TO 10 LBS 10-10 PPM  
10 TO 5 LBS 5-5 PPM  
5 TO 2 LBS 2-2 PPM  
2 TO 1 LB 1-1 PPM

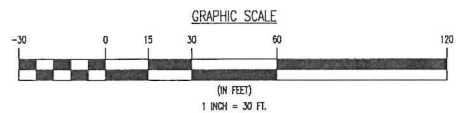
H. SOIL MODIFICATIONS


1. INCORPORATE ALL ORGANIC MATTER INTO THE TOP 6 TO 12 IN. OF TOPSOIL AND PLANTING AREAS TO IMPROVE THE SOIL'S ABILITY TO RETAIN WATER AND NUTRIENTS USE COMPOSTED BARK, RECYCLED TAYR, WASTE OR PLANT MATTER. ALL PRODUCTS SHOULD BE COMPOSTED TO A DARK COLOR. DRAINAGE AND SOIL PH VALUES SHALL BE MONITORED AND ADJUSTED AS NECESSARY.

2. MODIFY HEAVY CLAY OR SILT (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED TINE BARK (UP TO 30% BY VOLUME) AND/OR COMPOSTAL WASTE. (UP TO 30% BY VOLUME) TO IMPROVE DRAINAGE AND SOIL PH VALUES. ALL PRODUCTS SHOULD BE COMPOSTED TO A DARK COLOR. DRAINAGE AND SOIL PH VALUES SHALL BE MONITORED AND ADJUSTED AS NECESSARY.

3. MODIFY HEAVY SILTS BY PLANTING ON PASSED MOONED OR SANDS AND INCLUDING SUBSISTENCE DRAINAGE LINES.

4. MODIFY EXTREMELY SLOPED SLOPES (MORE THAN 60% SLOPE) BY ADDING ORGANIC MATTER (AND/OR SILT), SHREDDED CLAY LUMP UP TO 30% OF THE TOTAL.

[illegible][illegible]



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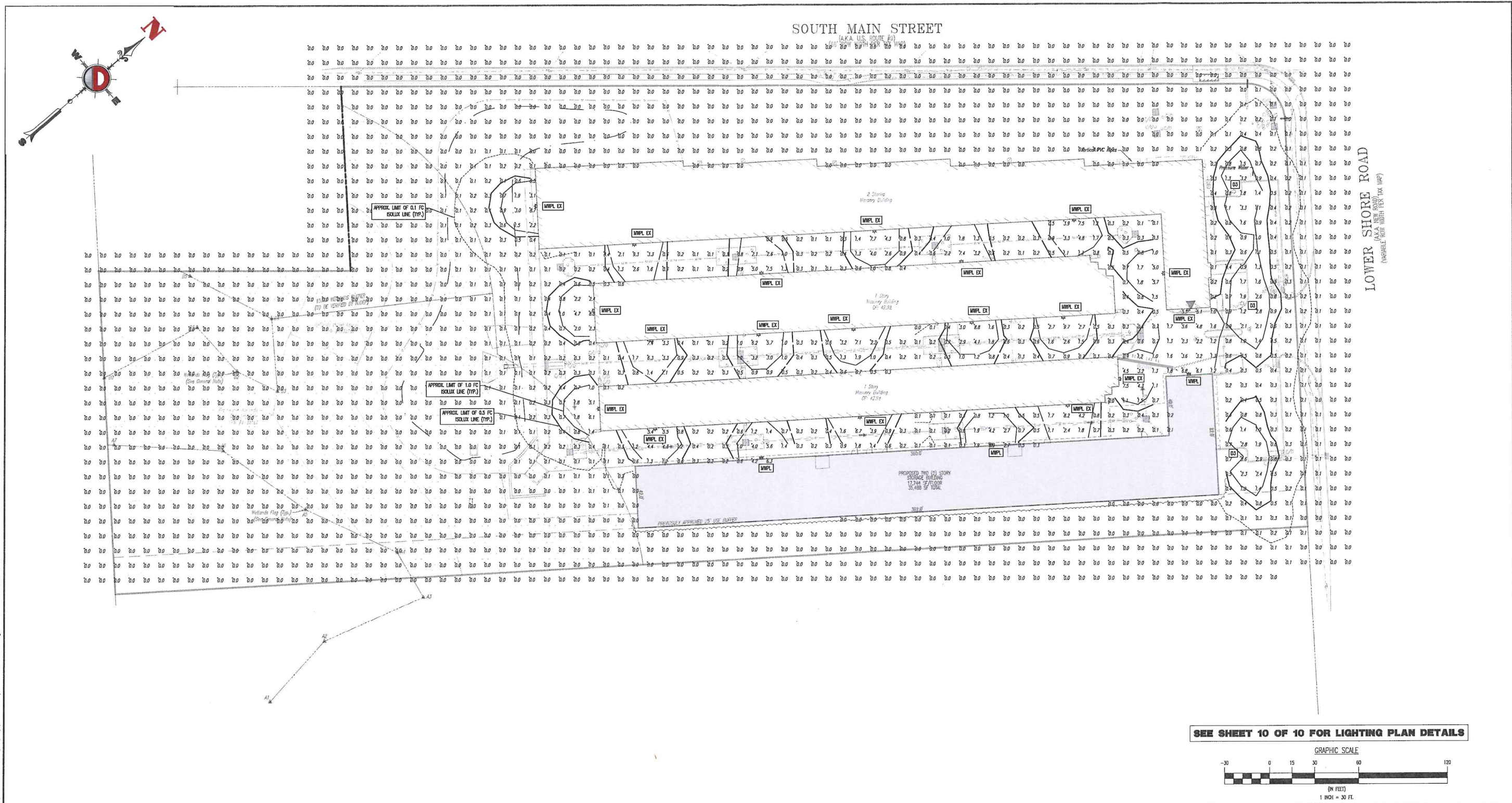
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

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Product Ver. 25.0  
Plot: 06/10/25 - 154 PM, By: grahamc  
File: \\geopac\geopac\Users\gca\Public\Projects\1414 Public Storage Inc\24-01325 Barnegat\Draw\Site Plans\01414240144850.dwg, -----> 06 LIGHTING PLAN



LIGHTING LUMINAIRE SCHEDULE								
SYMBOL	QUANTITY	LABEL	WATTAGE	MOUNTING HEIGHT	ARRANGEMENT	LIGHT LOSS FACTOR	MANUFACTURER	IES FILE
	19	WMPL EX	45.3	10'	SINGLE	1.0	OSRAM LIGHTING	WMPL-LED50LIES
	3	WMPL	45.3	10'	SINGLE	1.0	OSRAM LIGHTING	WMPL-LED50LIES
	3	D3	100	14'	SINGLE	.75	COOPER LIGHTING	LXF105XXHIES

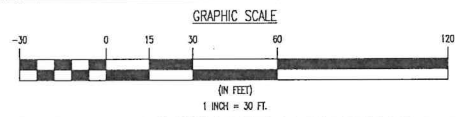
ISO CURVE LINES ARE MAINTAINED AND SHOWN AT 1.0, 0.5, AND 0.1 FC.  
(FM) - FLUSH MOUNT FOUNDATION (PED) - PEDESTAL FOUNDATION  
THE CALCULATIONS SHOWN WERE MADE UTILIZING ACCEPTED PROCEDURES OF THE ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA. VARIATIONS IN LAMP OUTPUT, BALLAST OUTPUT, LINE VOLTAGE, ORT DEPRECIATION, AND OTHER FACTORS MAY AFFECT ACTUAL RESULTS. UNLESS OTHERWISE STATED, ALL RESULTS ARE MAINTAINED VALUES, UTILIZING ACCEPTED LIGHT LOSS FACTORS (LLF).


STATISTICAL AREA SUMMARY					
LABEL	AVERAGE	MAXIMUM	MINIMUM	AVG./MIN.	MAX./MIN.
DEVELOPED AREA	0.60	9.7	0.0	N/A	N/A

LIGHT LEVELS TAKEN WITHIN THE DEVELOPED AREA OF THE SITE.

- ### LIGHTING NOTES
- THIS LIGHTING PLAN ILLUSTRATES ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA) APPROVED METHODS. ACTUAL SITE ILLUMINATION LEVELS AND PERFORMANCE OF LUMINAIRES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER RELATED VARIABLE FIELD CONDITIONS.
  - ALL EXISTING CONDITIONS LIGHTING LEVELS ARE REPRESENTATIVE OF AN APPROXIMATION UTILIZING LABORATORY DATA FOR SIMILAR FIXTURES AND/OR ACTUAL FIELD MEASUREMENTS TAKEN WITH A LIGHT METER. DUE TO FACTORS SUCH AS FIXTURE MAINTENANCE, EQUIPMENT TOLERANCES, WEATHER CONDITIONS, ETC., ACTUAL LIGHTING LEVELS MAY DIFFER AND THE LIGHTING LEVELS DEPICTED ON THIS PLAN SHOULD BE CONSIDERED AS APPROXIMATE.
  - CONDUITS SHALL BE INSTALLED A MINIMUM OF 2 FEET BEHIND GUIDELINE POSTS.
  - ALL WIRING METHODS AND EQUIPMENT CONSTRUCTION SHALL CONFORM TO THE CURRENT NATIONAL ELECTRICAL CODE.
  - REFER TO ARCHITECTURAL PLANS FOR SITE WIRING DIAGRAM.
  - THIS PLAN IS PREPARED SPECIFICALLY TO ANALYZE THE LIGHTING LEVELS GENERATED BY THE PROPOSED ON-SITE LIGHTING ONLY. EXISTING LIGHT FIXTURES BEYOND THE EXTENTS OF THIS DEVELOPMENT/PROPERTY ARE NOT MODELED IN THIS DESIGN, AND MAY ALTER ACTUAL LIGHT LEVELS AT THE PROPERTY LINES.

SEE SHEET 10 OF 10 FOR LIGHTING PLAN DETAILS





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PROJECT: **SIMPLY STORAGE BARNEGAT, LLC**  
**PROPOSED SELF-STORAGE EXPANSION**

BLOCK 263, LOT 1.01  
220 SOUTH MAIN STREET  
BARNEGAT TOWNSHIP, OCEAN COUNTY, NEW JERSEY

DESIGNED BY: RPK  
CHECKED BY: KED  
DATE: 06/11/2025  
SCALE: 1"=30'  
(V)  
SHEET NO: **9**  
OF 10  
Rev. # 0

TITLE: **LIGHTING PLAN**

PROFESSIONAL ENGINEER  
NEW JERSEY LICENSE No. 41938

PROFESSIONAL ENGINEER  
NEW JERSEY LICENSE No. 56559

THIS PLAN SET IS FOR PERMITTING PURPOSES ONLY AND MAY NOT BE USED FOR CONSTRUCTION

ALL 2025 ISSUED REVISIONS OF CHANGES, REVISIONS, AND CORRECTIONS TO BE MADE BY THE USER. THESE ARE NOT TO BE USED FOR CONSTRUCTION. SEE SHEET 10 OF 10 FOR LIGHTING PLAN DETAILS.

FOR MORE SPECIFIC DETAIL PHONE NUMBERS VISIT [WWW.CALL811.COM](http://WWW.CALL811.COM)



