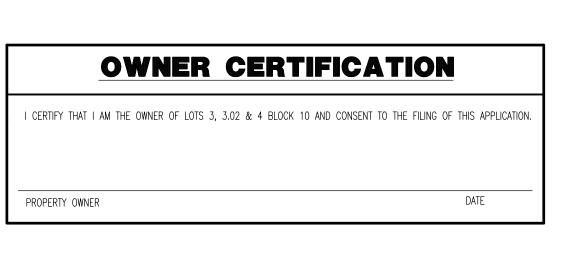
AMENDED & FINAL MAJOR SITE PLAN

FOR

RESTLAND MEMORIAL PARK ASSOCIATION ETERNAL SUNSET MEMORIAL PARK AND CEMETERY

BLOCK 10, LOTS 3, 3.02 & 4; TAX MAP SHEET #8 - LATEST REV. DATED 01-12-2005 11 SUNSET INN ROAD (CR-623) TOWNSHIP OF LAFAYETTE SUSSEX COUNTY, NEW JERSEY

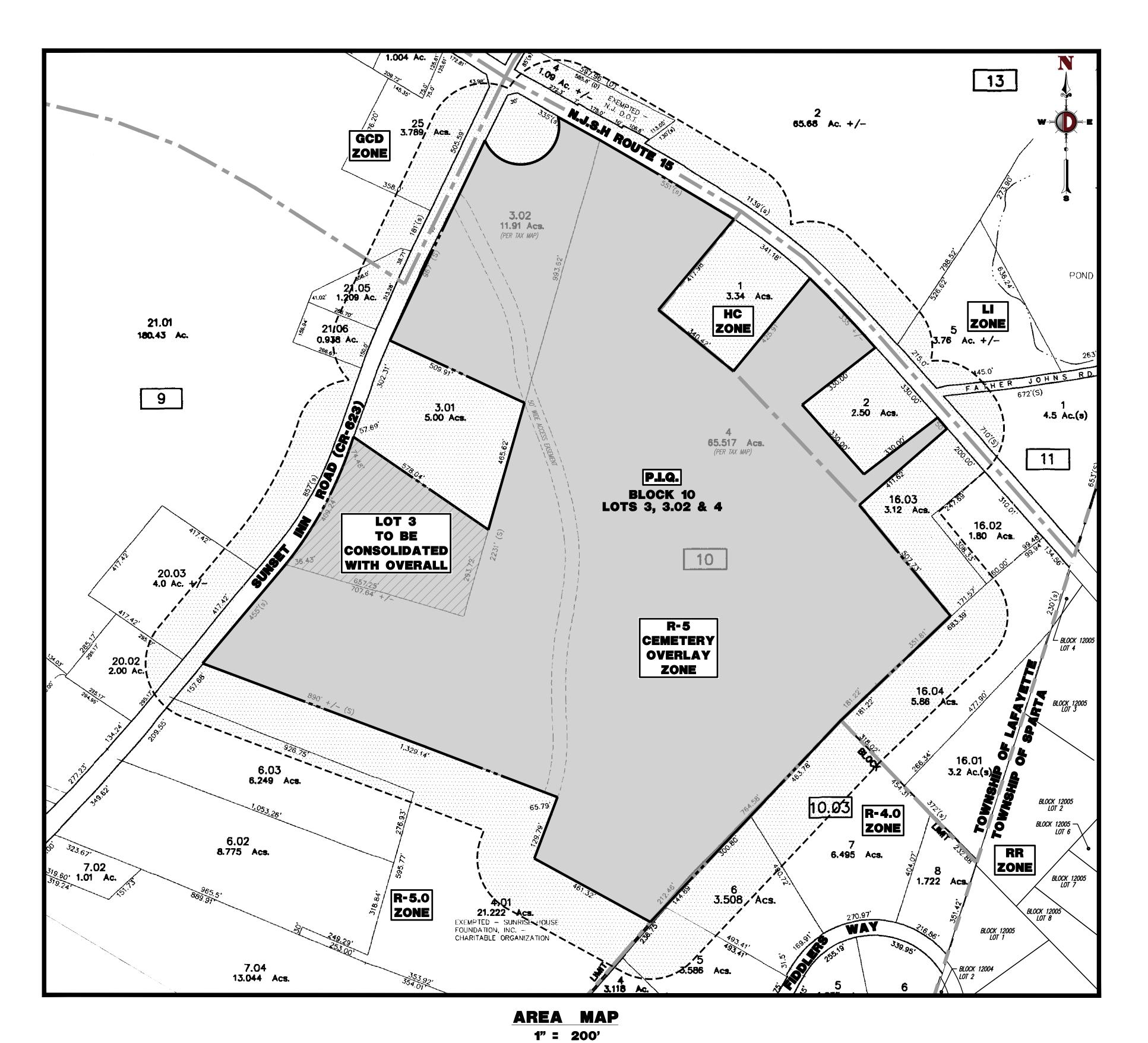
PROPERTY OWNER	<u>BLOCK</u>	<u>LOT</u>	ALSO TO BE NOTIFIED
COOPER, IRWIN E JR & PATRICIA A 34 SUNSET INN RD LAFAYETTE, NJ 07848	9	20.03	PSE&G ATT: MANAGER — CORP. PROPE 80 PARK PZ — T6B NEWARK, NJ 07102
SUNRISE PROPERTIES OF LAFAYETTE LLC PO BOX 853 FRANKLIN LAKES, NJ 07417	9	21.01	JCP&L ATT: CORPORATE SECRETARY GENERAL HEADQUARTERS MADISON AVENUE AND PUNCHBOWL MORRISTOWN NJ 07960
DEPPNER, MAYRA & JOHN A 18 SUNSET INN RD LAFAYETTE, NJ 07848	9	21.05	SUSSEX COUNTY PLANNING BOARD COCHRAN PLAZA NEWTON, NJ 07860
SAGEWOOD SFF III LLC 745 5 TH AVE STE 500 NEW YORK, NY 10151	9	21.06	TOWNSHIP OF LAFAYETTE ATT: MUNICIPAL CLERK & DPW 33 MORRIS FARM RD.
MDC COAST 23, LLC C/O QUICKCHEK PO BOX 600 3 OLD HWY 28 WHITEHOUSE STATION, NJ 08889	9	25	LAFAYETTE, NJ 07848 STATE OF NJ DEP ATT: PLANNING DEPT.
HANSEN, THOMAS W. P.O. BOX 11 ATLANTIC, VA 23303	9	20.02	PO BOX 412 TRENTON, NJ 08625
23 ROUTE 15 LLC 23 RT 15 LAFAYETTE, NJ 07848	10	1	STATE OF NJ DOT 1035 PARKWAY AVE. TRENTON NJ 08625
PODKOWKA, ALAN E & NANCY B 19 RT 15 LAFAYETTE, NJ 07848	10	2	SERVICE ELECTRIC CABLE TELEVISION ATT: CORPORATE SECRETARY PO BOX 853 SPARTA NJ 07871
H STREET, LLC 21 SUNSET INN RD LAFAYETTE, NJ 07848	10	3.01	EMBARQ CORPORATION PO BOX 7909 OVERLAND PARK, KS 66207-0909
BHR RINGWOOD R.E. ATN: ACCTS PAYABLE 200 POWELL PL BRENTWOOD, TN 37027	10	4.01	
RESTLAND MEMORIAL/CMS MID-ATLANTIC 609 EPSILON DR PITTSBURGH, PA 15238	10	6.01	
HUNTER, ALTON A & ZOE S 39 SUNSET INN RD LAFAYETTE, NJ 07848	10	6.03	
ASL PROPERTY MANAGEMENT, LLC 13 RT 15 LAFAYETTE, NJ 07848	10	16.02	
FIELDS LIVING TRST C/O DAVID & AILENE 75 EAST END AVE #PHD NEW YORK, NY 10028	10	16.03	
11 HIGHWAY 15 LAFAYETTE, LLC 79 MEADOWS RD LAFAYETTE, NJ 07848	10	16.04	
GRISBACK, KEN & MELISSA 21 FIDDLERS WAY LAFAYETTE, NJ 07848	10.03	4	
REDONDO, DANIEL & COLETTE 23 FIDDLERS WAY LAFAYETTE, NJ 07848	10.03	5	
BUCCINO, WENDY S 27 FIDDLERS WAY LAFAYETTE, NJ 07848	10.03	6	
PETRILLO, JOHN E 31 FIDDLERS WAY LAFAYETTE, NJ 07848	10.03	7	
POKORNY, KEITH J 20 TIERNEY RD LAKE HOPATCONG, NJ 07841	11	1	
FODERO, NELLIE 239 WEST NORTHFIELD RD LIVINGSTON, NJ 07039	13	2	
STATE OF NEW JERSEY DOT CN 114 TRENTON, NJ 08625	13	4	
		_	

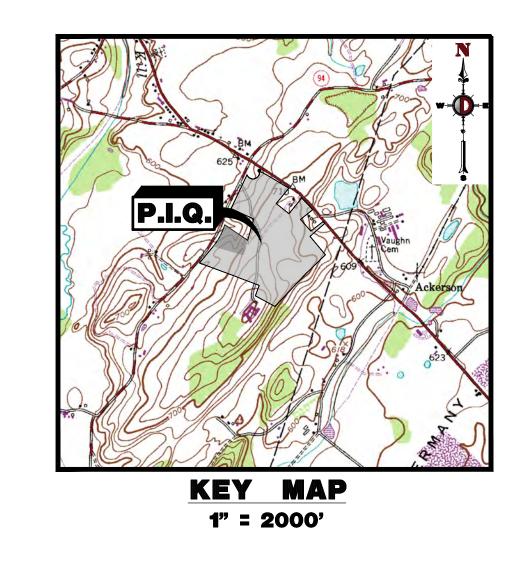


34-38 ROUTE 15 LAF C/O LEHIGH GAS PO BOX 385 ALLENTOWN, PA 18105

APPLICANT CERTIFICATION	CATION
I CERTIFY THAT I AM THE APPLICANT FOR SITE IMPROVEMENTS OF LOTS 3, 3.02 & 4 FILING OF THIS APPLICATION.	4 BLOCK 10 AND CONSENT TO THE
APPLICANT	DATE

LAND USE BOA	ARD APPROVA
PPROVED BY THE LAND USE BOARD OF THE TOWN:	SHIP OF LAFAYETTE, SUSSEX COUNTY, NJ
CHAIRMAN	DATE
CHAIRMAN	DATE
SECRETARY	DATE
BOARD ENGINEER	DATE
BUARD ENGINEER	DATE





DRAWING INDE	X
COVER SHEET	1 of 15
AERIAL MAP	2 of 15
TREE MANAGEMENT PLAN	3 of 15
OVERALL SITE PLAN	4 of 15
CEMETERY EXPANSION SITE PLAN	5 of 15
OFFICE AREA SITE PLAN	6 of 15
CEMETERY EXPANSION GRADING PLAN	7 of 15
CEMETERY EXPANSION DRAINAGE PLAN	8 of 15
ACCESS DRIVE PROFILES	9 of 15
OFFICE AREA LIGHTING PLAN	10 of 15
SOIL EROSION AND SEDIMENT CONTROL PLAN	11 of 15
SOIL EROSION AND SEDIMENT CONTROL NOTES AND DETAILS	12 of 15
CONSTRUCTION DETAILS	13 of 15
EXISTING STEEP SLOPES	14 of 15
PROPOSED STEEP SLOPES	15 of 15



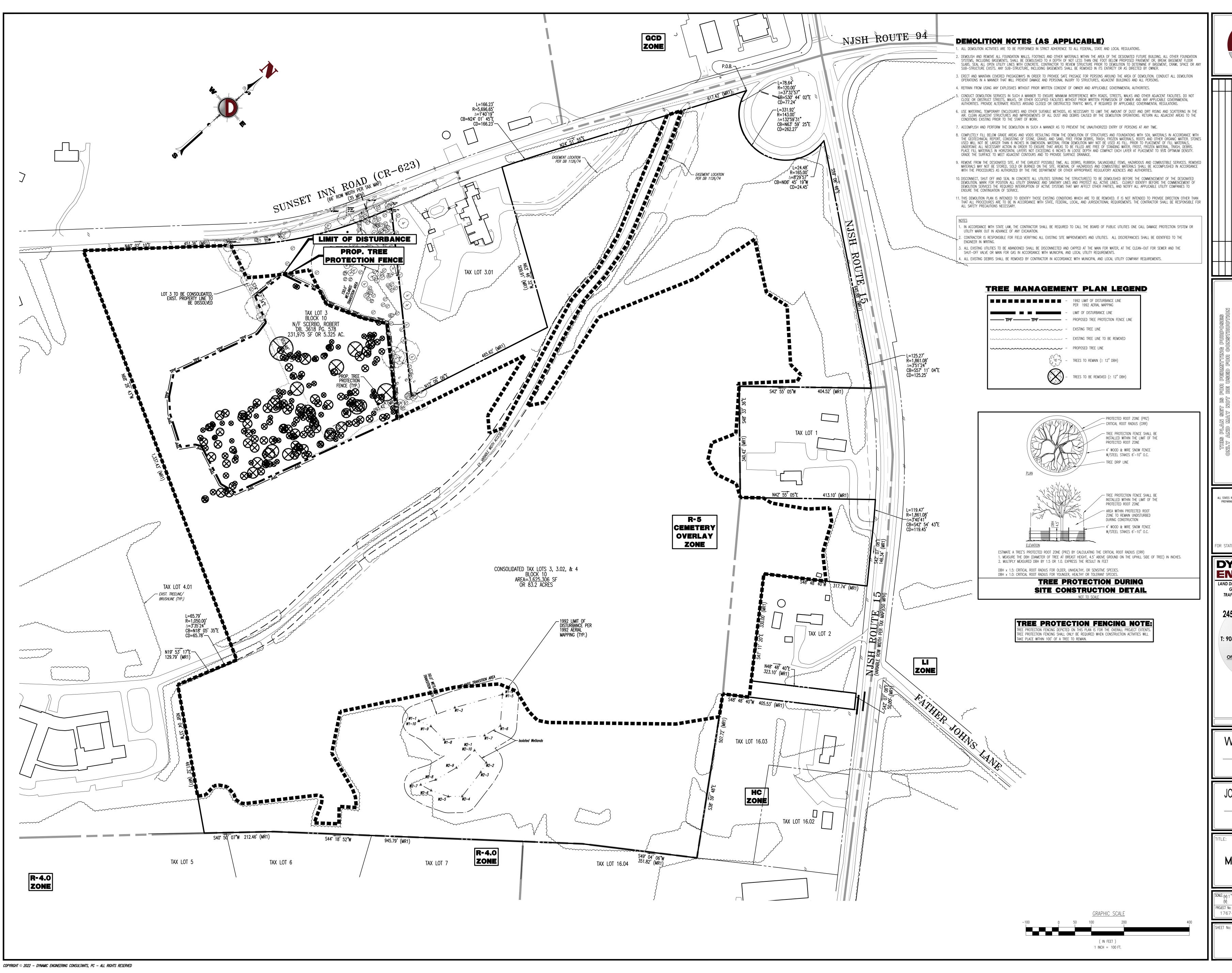
PREPARED BY DYNAMIC ENGINEERING CONSULTANTS, P.C. 245 MAIN STREET - SUITE 110 CHESTER, NJ 07930

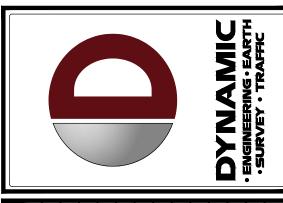
WWW.DYNAMICEC.COM

COPYRIGHT © 2022 - DYNAMIC ENGINEERING CONSULTANTS, PC - ALL RIGHTS RESERVED



Plotted: 11/30/22 - 2:56 PM, By: kgrant File: PNDFCPC PROJECTS\1767 CMS Mid-Ai





UCETION

HECKED BY:

TION

REV. DATE COMMENTS

DRAWN BY:

PROJECT: RESTLAND MEMORIAL PARK ASSOCIAT

BLOCK 10, LOTS 3, 3.02, & 4; TAX MAP SHEET #8

TOWNSHIP OF LAFAYETTE, SUSSEX COUNTY, NEW JERSEY

Know what's below
Call before you dg.
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VIS
WWW.CALL811.COM

LAND DEVELOPMENT CONSULTING • PERMITTING
GEOTECHNICAL • ENVIRONMENTAL
TRAFFIC • SURVEY • PLANNING & ZONING

245 Main Street, Suite 110 Chester, NJ 07930

T: 908.879.9229 | F: 908.879.0222

Offices conveniently located at:

LAKE COMO, NEW JERSEY • T: 732.974.0198

CHESTER, NEW JERSEY • T: 908.879.9229

NEWARK, NEW JERSEY • T: 973.755.7200

TOMS RIVER, NEW JERSEY • T: 732.678,0000

NEWTOWN, PENNSYLVANIA • T: 267.685.0276

PHILADELPHIA, PENNSYLVANIA • T: 215.253.4888

BETHLEHEM, PENNSYLVANIA • T: 610.598.4400

ALLEN, TEXAS • T: 972.534.2100

HOUSTON, TEXAS • T: 512.646.2646

DELRAY BEACH, FLORIDA • T: 561.921.8570

WILLIAM BORD

www.dynamicec.com

PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 42042

JOSEPH G. JAWORSKI

PROFESSIONAL ENGINEER

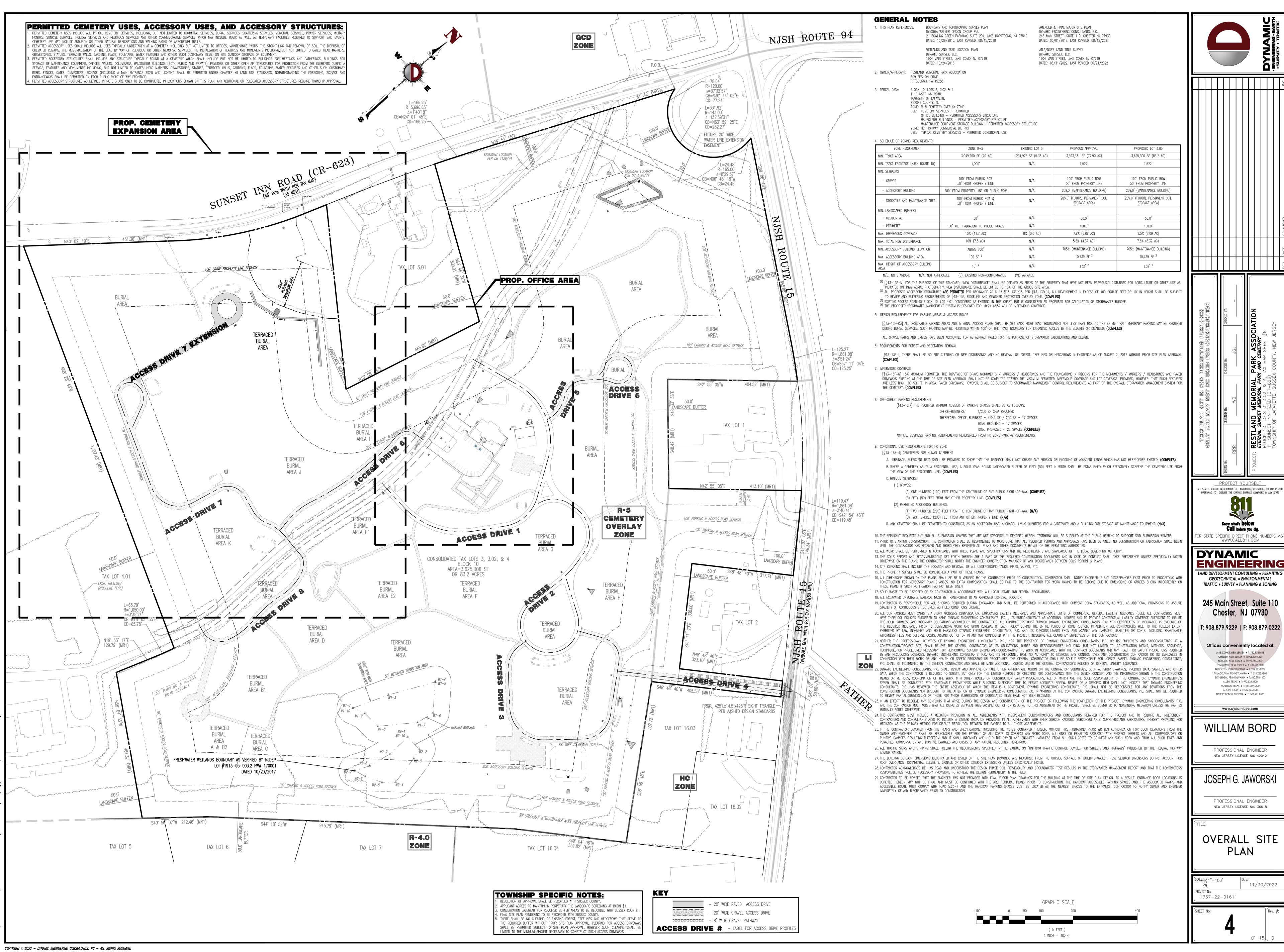
PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 36618

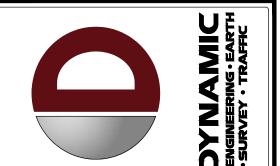
TREE MANAGEMENT PLAN

SCALE: (H) 1"=100' DATE:
(V) 11/30/2022

PROJECT No:
1767-22-01611

OF 15 0





WWW.CALL811.COM DYNAMIC **ENGINEERING** GEOTECHNICAL • ENVIRONMENTAL TRAFFIC • SURVEY • PLANNING & ZONING

245 Main Street, Suite 110 Chester, NJ 07930

Offices conveniently located at: LAKE COMO, NEW JERSEY • T: 732.974.0198 CHESTER, NEW JERSEY • T: 908.879.9229 NEWARK, NEW JERSEY • T: 973.755.7200 TOMS RIVER, NEW JERSEY • T: 732.678,0000

NEWTOWN, PENNSYLVANIA • T: 267.685.0276 PHILADELPHIA, PENNSYLVANIA • T: 215.253.4888 BETHLEHEM, PENNSYLVANIA • T: 610.598.4400 ALLEN, TEXAS • T: 972.534.2100 HOUSTON, TEXAS • T: 281,789,6400 AUSTIN, TEXAS • T: 512,646,2646 DELRAY BEACH, FLORIDA • T: 561.921.8570

WILLIAM BORD

www.dynamicec.com

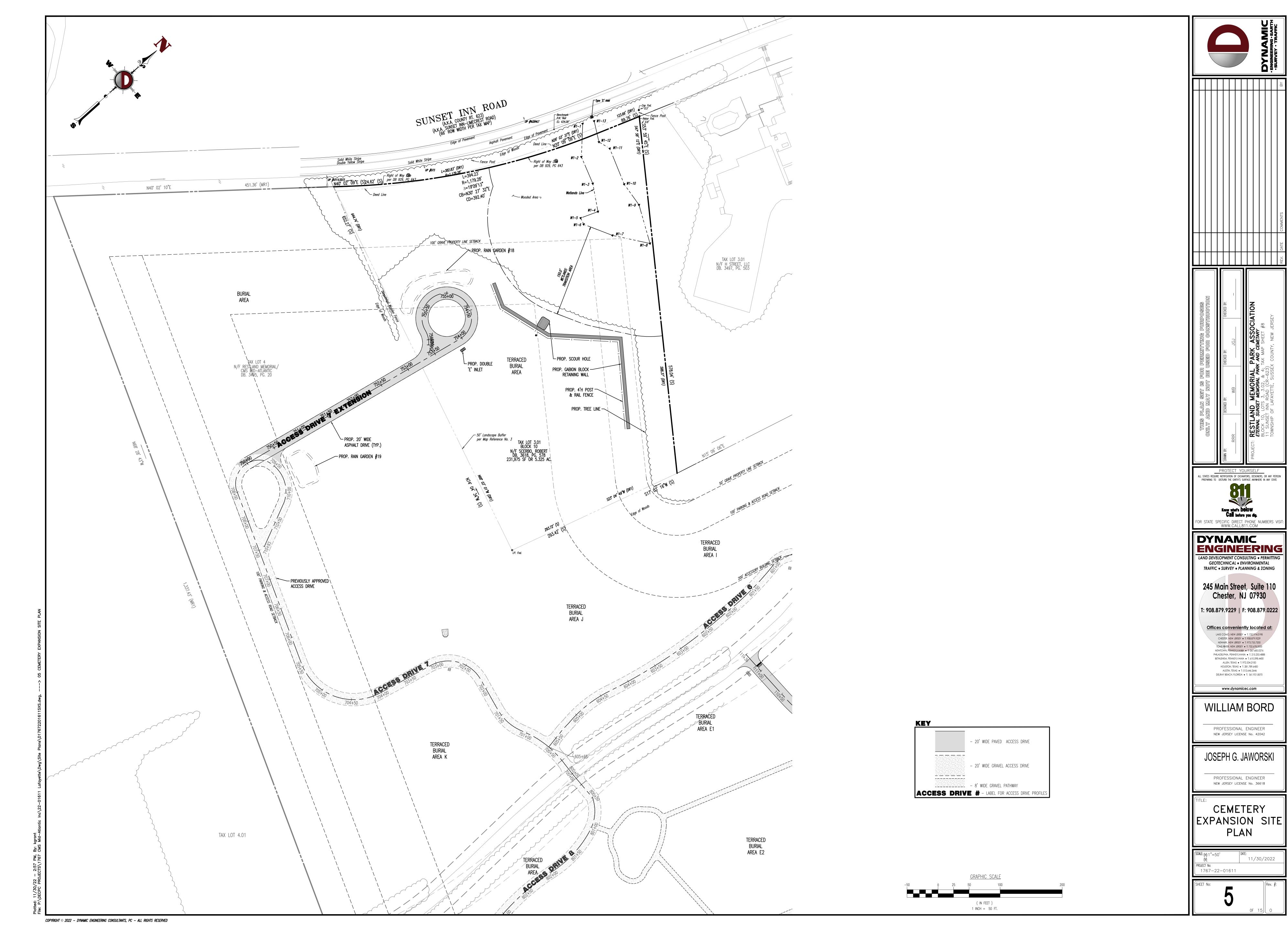
PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 42042

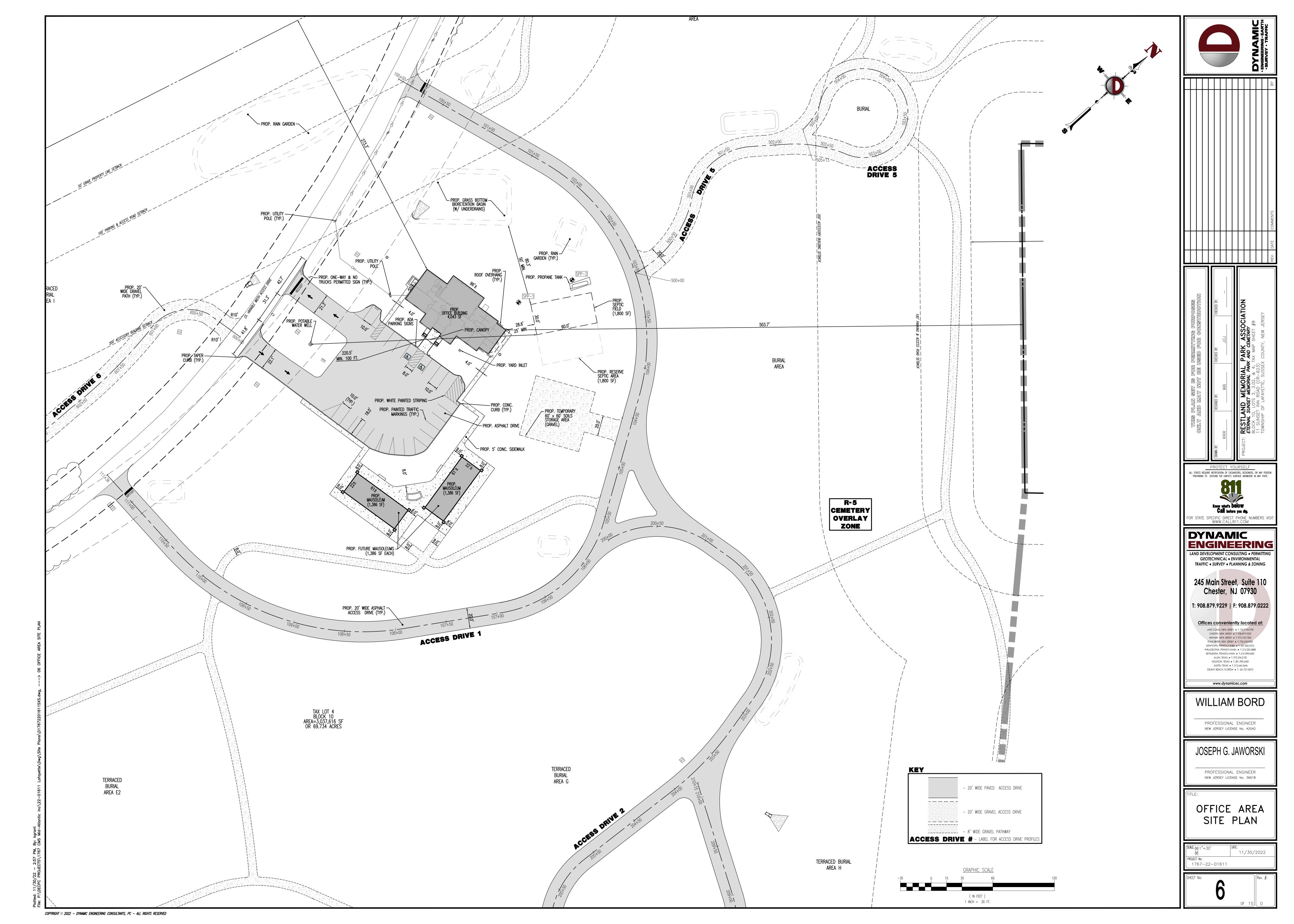
PROFESSIONAL ENGINEER

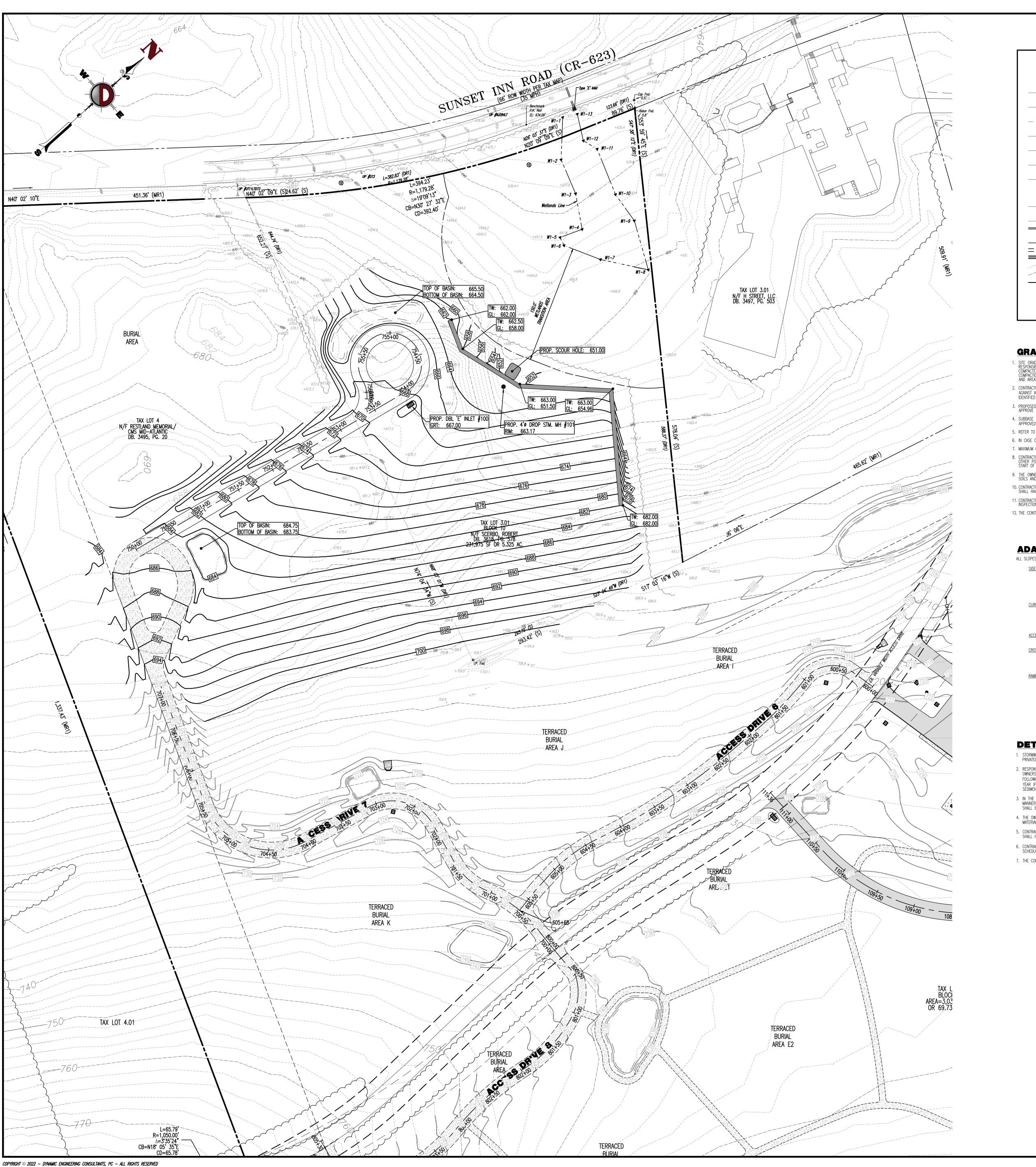
NEW JERSEY LICENSE No. 36618

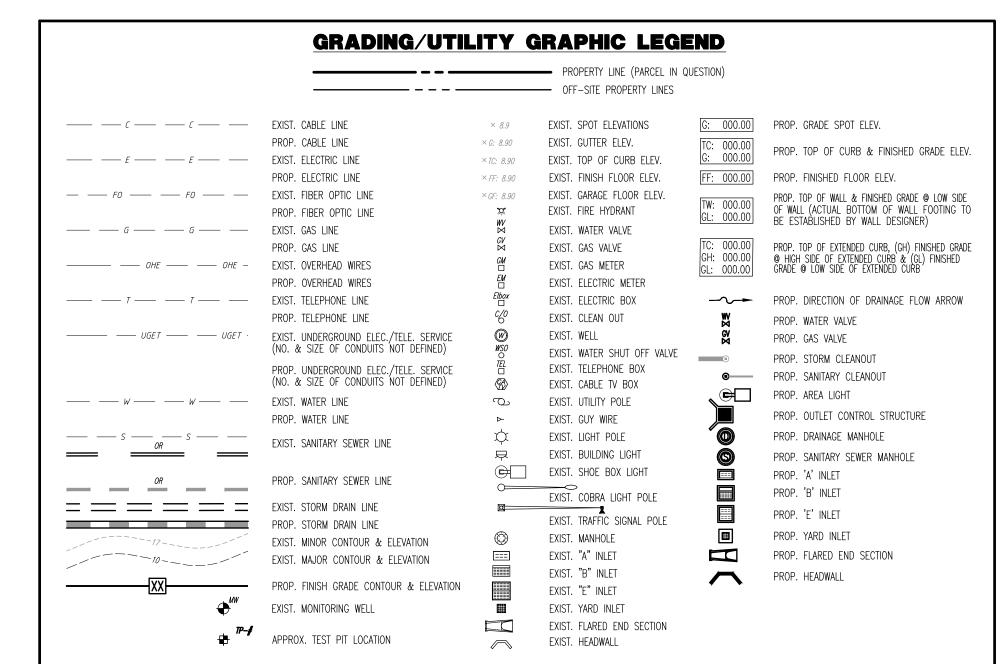
PLAN

11/30/2022 1767-22-01611









GRADING NOTES

- 1. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT REFERENCED IN THIS PLAN SET. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING ALL SOFT, YIELDING OR UNSUITABLE MATERIALS AND REPLACING WITH SUITABLE MATERIALS AS SPECIFIED IN THE SOILS REPORT. ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED TO 95% OF MODIFIED PROCTOR MAXIMUM DENSITY PER A.S.T.M. TEST D—1557. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL NOT EXCEED 2% ABOVE NOR 3% BELOW OPTIMUM. CONTRACTOR SHALL BE COMPACTION REPORT PREPARED BY A QUALIFIED SOILS ENGINEER, REGISTERED WITHIN THE STATE WHERE THE WORK IS PERFORMED, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN THE BUILDING PAD AREA AND AREAS TO BE PAVED HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT.

 2. 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 GUTTERS, CURBS AND 1.0% ON ALL CONCRETE SURFACES, AND 1-1/2% MIN. ON ASPHALT, TO PREVENT PONDING. ANY DISCREPANCIES THAT MAY EFFECT THE PUBLIC SAFETY OR PROJECT COST, MUST BE IDENTIFIED TO THE ENGINEER IN WRITING IMMEDIATELY. PROCEEDING WITH CONSTRUCTION WITH DESIGN DISCREPANCIES IS DONE SO AT THE CONTRACTOR'S OWN RISK.
- 3. 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% GUTTER GRADE ALONG CURB FACE. ENGINEER TO APPROVE FINAL CURBING CUT SHEETS PRIOR TO INSTALLATION.

 4. SUBBASE MATERIAL FOR SIDEWALKS, CURB, OR ASPHALT SHALL BE FREE OF ORGANICS AND OTHER UNSUITABLE MATERIALS. SHOULD SUBBASE BE DEEMED UNSUITABLE, SUBBASE IS TO BE REMOVED AND FILLED WITH APPROVED FILL MATERIAL COMPACTED TO 95% OPTIMUM DENSITY (AS DETERMINED BY MODIFIED PROCTOR METHOD).
- 5. REFER TO SITE PLAN FOR ADDITIONAL NOTES.
- 6. IN CASE OF DISCREPANCIES BETWEEN PLANS, THE SITE PLAN WILL SUPERCEDE IN ALL CASES. CONTRACTOR MUST NOTIFY ENGINEER OF RECORD OF ANY CONFLICT IMMEDIATELY.
- 8. CONTRACTOR TO ENSURE A MAXIMUM OF 2% SLOPE IN ALL DIRECTIONS IN ADA PARKING SPACES AND ADA ACCESS AISLES. CONTRACTOR TO ENSURE A MAXIMUM OF 5% RUNNING SLOPE AND 2% CROSS SLOPE ALONG A COLUMN OF STRUCK OF ACCESSIBLE POLITE WITH THE ENCINEER PRINCE OF THE PROPERTY OF T
- 9. THE OWNER SHALL RETAIN DYNAMIC EARTH, LLC (908-879-7095) OR ALTERNATE QUALIFIED GEOTECHNICAL ENGINEER TO TEST SOIL PERMEABILITY AND PROVIDE CONSTRUCTION PHASE INSPECTIONS OF THE BASIN BOTTOM SOILS AND ANY FILL MATERIALS WITHIN ANY PROPOSED INFILTRATION OR RETENTION BASIN TO COMPARE RESULTS TO DESIGN CRITERIA.

 10. CONTRACTOR IS TO REMOVE EXISTING UNSUITABLE OR OVERLY COMPACT SOIL OR ROCK AS NEEDED TO ACHIEVE REQUIRED PERMEABILITY AS DIRECTED BY THE OWNERS GEOTECHNICAL ENGINEER, AND NEW FILL, IF NEEDED, SHALL HAVE AN IN PLACE PERMEABILITY GREATER THAN OR EQUAL TO THE DESIGN CRITERIA.
- 11. CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE OWNER'S GEOTECHNICAL ENGINEER PRIOR TO ONSET OF CONSTRUCTION TO SUBMIT AND CONFIRM THE CONTRACTOR'S PROPOSED MEANS AND MATERIALS AND TO SCHEDULE INSPECTIONS FOR BOTTOM OF BASIN, REMOVAL OF UNSUITABLE SOIL, FILL PLACEMENT, AND FINAL BASIN PERMEABILITY TESTING.

 12. THE CONTRACTOR IS RESPONSIBLE FOR AS—BUILT PLANS AND GRADE CONTROL UNLESS DEFINED OTHERWISE ELSEWHERE IN THE CONTRACT DOCUMENTS.

ADA NOTES

- ALL SLOPES INDICATED ARE ACTUAL. CONTRACTOR TO REFER TO LATEST ADA GUIDELINES AND NJ BARRIER FREE SUBCODE (NJAC 5:23-7) FOR SLOPE LIMITS. AT THE TIME OF PLAN DESIGN, THE SLOPE LIMITS ARE AS FOLLOWS:
 - SIDEWALKS/ ACCESSIBLE ROUTES

 RUNNING SLOPE: 1:20 (5%) MAX. (4.5% MAX. FOR NEW CONSTRUCTION)

 CROSS SLOPE: 1:48 (2.08%) MAX., 1.0% MIN. (1.5% MAX. FOR NEW CONSTRUCTION)
 - INTERSECTION SLOPE: 1:48 (2.08%) MAX. IN ALL DIRECTIONS (1.5% MAX. FOR NEW CONSTRUCTION)
 CHANGE IN LEVELS: ¼" MAX. HEIGHT OR ½" MAX. HEIGHT WITH BEVELED EDGE BEVELED EDGE SLOPE OF 1:2 (50%) MAX.
 GAPS: ½" MAX. WIDTH ELONGATED OPENINGS SHALL BE PLACED SO LONG DIMENSION IS PERPENDICULAR TO PATH OF TRAVEL
- CURB RAMP

 SLOPE 1:12 (8.3%) MAX. (7.4% MAX. FOR NEW CONSTRUCTION)

 SIDE FLARE SLOPE: 1:10 (10%) MAX. (WHERE PEDS CROSS RAMP)
- BOTTOM LANDING: 48" MIN. LENGTH; WIDTH TO MATCH CURB RAMP; 1:48 MAX. (2.08%) IN ALL DIRECTIONS (1.5% MAX. FOR NEW CONSTRUCTION)
 TOP LANDING: 36" MIN. LENGTH; WIDTH TO MATCH CURB RAMP; 1:48 MAX. (2.08%) CROSS SLOPE (1.5% MAX. FOR NEW CONSTRUCTION) AND 1:20 (5%) RUNNING SLOPE (4.5% MAX FOR NEW CONSTRUCTION)
- ACCESSIBILITY PARKING STALLS
 SPACE AND ACCESS AISLE SLOPE: 1:48 MAX. (2.08%) IN ALL DIRECTIONS (1.5% MAX. FOR NEW CONSTRUCTION)
- CROSSWALKS

 RUNNING SLOPE: 1:20 (5%) MAX. (4.5% MAX. FOR NEW CONSTRUCTION)

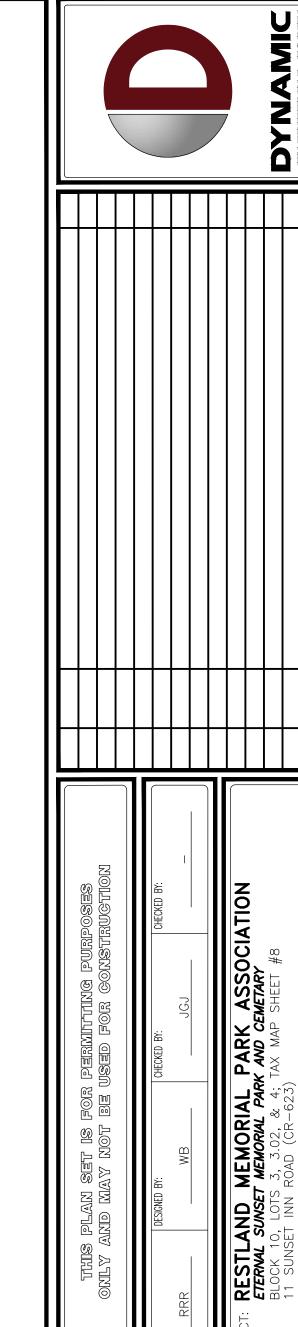
 CROSS SLOPE: 1:48 (2.08%) MAX. (1.5% MAX. FOR NEW CONSTRUCTION)
- CHANGE IN LEVELS: ¼" MAX. HEIGHT OR ½" MAX. HEIGHT WITH BEVELED EDGE. BEVELED EDGE SLOPE OF 1:2 (50%) MAX.
 GAPS: 1/2" MAX. WIDTH ELONGATED OPENINGS SHALL BE PLACED SO LONG DIMENSION IS PERPENDICULAR TO PATH OF TRAVEL
- SLOPE: 1:12 (8.3%) MAX. (7.4% MAX. FOR NEW CONSTRUCTION)
 EXISTING RAMPS; SLOPE: 1:10 (10%) MAX. FOR RISE OF 6"; 1:8 (12.5%) MAX. FOR MAX. RISE OF 3"
 MAX. RISE: 30"
- MAX. RISE: 30" - MIN. CLEAR WIDTH: 36" - MIN. LANDING CLEAR LENGTH: 60"
- MAX. CROSS SLOPE: 1:48 (2.08%) (1.5% MAX. FOR NEW CONSTRUCTION)

DETENTION/INFILTRATION BASIN MAINTENANCE NOTES

- 1. STORMWATER MANAGEMENT FACILITIES SHALL BE REGULARLY MAINTAINED TO INSURE THEY FUNCTION AT DESIGN CAPACITY AND TO PREVENT HEALTH HAZARDS ASSOCIATED WITH DEBRIS BUILDUP AND STAGNANT WATER. THE PRIVATELY OWNED PORTION OF THE SYSTEM MUST BE PRIVATELY MAINTAINED.
- 2. RESPONSIBILITY FOR OPERATION AND MAINTENANCE OF STORMWATER FACILITIES, INCLUDING PERIODIC REMOVAL AND DISPOSAL OF ACCUMULATED PARTICULATE MATERIAL AND DEBRIS, SHALL REMAIN WITH THE OWNER OR OWNERS OF THE PROPERTY, WITH PERMANENT ARRANGEMENTS THAT IS SHALL PASS TO ANY SUCCESSIVE OWNER, UNLESS ASSUMED BY A GOVERNMENTAL AGENCY. MAINTENANCE SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING: VISUAL INSPECTION OF ALL SYSTEM COMPONENTS AT LEAST TWICE EACH YEAR; VACUUMING OF ALL STORM SEWER INLETS ONCE EVERY SIX MONTHS (FREQUENCY OF VACUUMING MAY BE ADJUSTED TO ONCE A YEAR IF FIRST YEAR MAINTENANCE RECORDS INDICATE THAT SEDIMENT AND DEBRIS ACCUMULATION IS INSIGNIFICANT); REVERSE FLUSHING AND VACUUMING IF SYSTEM INSPECTIONS INDICATE SIGNIFICANT ACCUMULATION OF SEDIMENT IN THE PIPES; AND PERIODIC REMOVAL AND DISPOSAL OF OTHER MATERIAL AND DEBRIS,
- 3. IN THE EVENT THAT THE FACILITY BECOMES A DANGER TO PUBLIC SAFETY OR PUBLIC HEALTH, OR IF IT IS IN NEED OF MAINTENANCE. THE OWNER SHALL AFFECT SUCH MAINTENANCE AND REPAIR OF THE FACILITY IN A MANNER THAT IS APPROVED BY THE MUNICIPAL ENGINEER OR HIS DESIGNEE. IF THE OWNER FAILS OR REFUSES TO PERFORM SUCH MAINTENANCE AND REPAIR, THE MUNICIPALITY MAY IMMEDIATELY PROCEED TO DO SO AND SHALL BILL THE COST THEREOF TO THE OWNER.
- 4. THE OWNER SHALL RETAIN DYNAMIC EARTH, LLC OR ALTERNATE QUALIFIED GEOTECHNICAL ENGINEER TO TEST SOIL PERMEABILITY AND PROVIDE CONSTRUCTION PHASE INSPECTIONS OF THE BASIN BOTTOM SOILS AND ANY FILL MATERIALS WITHIN ANY PROPOSED INFILTRATION OR RETENTION BASIN TO COMPARE RESULTS TO DESIGN CRITERIA.

 5. CONTRACTOR IS TO REMOVE EXISTING LINGUISTABLE OR OVERLY COMPACT SOIL OR ROCK AS NEEDED TO ACHIEVE REQUIRED PERMEABILITY AS DIRECTED BY THE OWNERS GEOTECHNICAL ENGINEER AND NEW FILL IE NEEDED.
- 5. CONTRACTOR IS TO REMOVE EXISTING UNSUITABLE OR OVERLY COMPACT SOIL OR ROCK AS NEEDED TO ACHIEVE REQUIRED PERMEABILITY AS DIRECTED BY THE OWNERS GEOTECHNICAL ENGINEER, AND NEW FILL, IF NEEDED, SHALL HAVE AN IN PLACE PERMEABILITY GREATER THAN OR EQUAL TO THE DESIGN CRITERIA.
- 6. CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE OWNER'S GEOTECHNICAL ENGINEER PRIOR TO ONSET OF CONSTRUCTION TO SUBMIT AND CONFIRM THE CONTRACTOR'S PROPOSED MEANS AND MATERIALS AND TO SCHEDULE INSPECTIONS FOR BOTTOM OF BASIN, REMOVAL OF UNSUITABLE SOIL, FILL PLACEMENT, AND FINAL BASIN PERMEABILITY TESTING.

 7. THE CONTRACTOR IS RESPONSIBLE FOR AS—BUILT PLANS AND GRADE CONTROL UNLESS DEFINED OTHERWISE ELSEWHERE IN THE CONTRACT DOCUMENTS.



PROTECT YOURSELF

ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE

Know what's below

TATE SPECIFIC DIRECT PHONE NUMBERS VI WWW.CALL811.COM

DYNAMIC ENGINEERING

LAND DEVELOPMENT CONSULTING • PERMITTING

GEOTECHNICAL • ENVIRONMENTAL
TRAFFIC • SURVEY • PLANNING & ZONING

245 Main Street, Suite 110

Chester, NJ 07930

T: 908.879.9229 | F: 908.879.0222

Offices conveniently located at:

LAKE COMO, NEW JERSEY • 1: 732,974.0198
CHESTER, NEW JERSEY • 1: 908.879.9229
NEWARK, NEW JERSEY • 1: 973.755.7200
TOMS RIVER, NEW JERSEY • 1: 732.678,0000

NEWTOWN, PENNSYLVANIA • T: 267.685.0276

PHILADELPHIA, PENNSYLVANIA • T: 215.253.4888

BETHLEHEM, PENNSYLVANIA • T: 610.598.4400

ALLEN, TEXAS • T: 972.534.2100

HOUSTON, TEXAS • T: 281.789.6400

AUSTIN, TEXAS • T: 512.646.2646

DELRAY BEACH, FLORIDA • T: 561.921.8570

www.dynamicec.com

WILLIAM BORD

PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 42042

JOSEPH G. JAWORSKI

000L111 0. 0/WOW

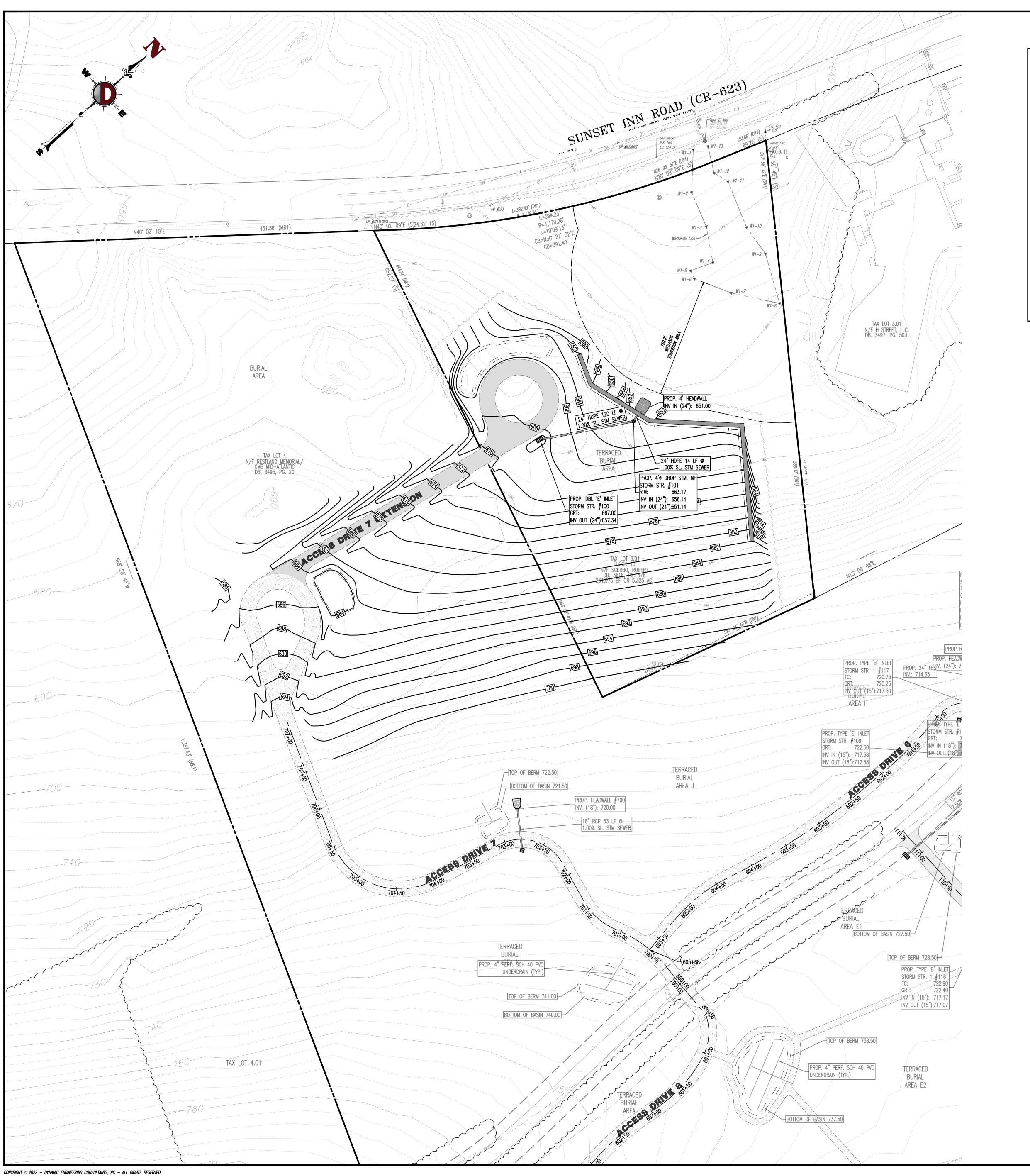
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 36618

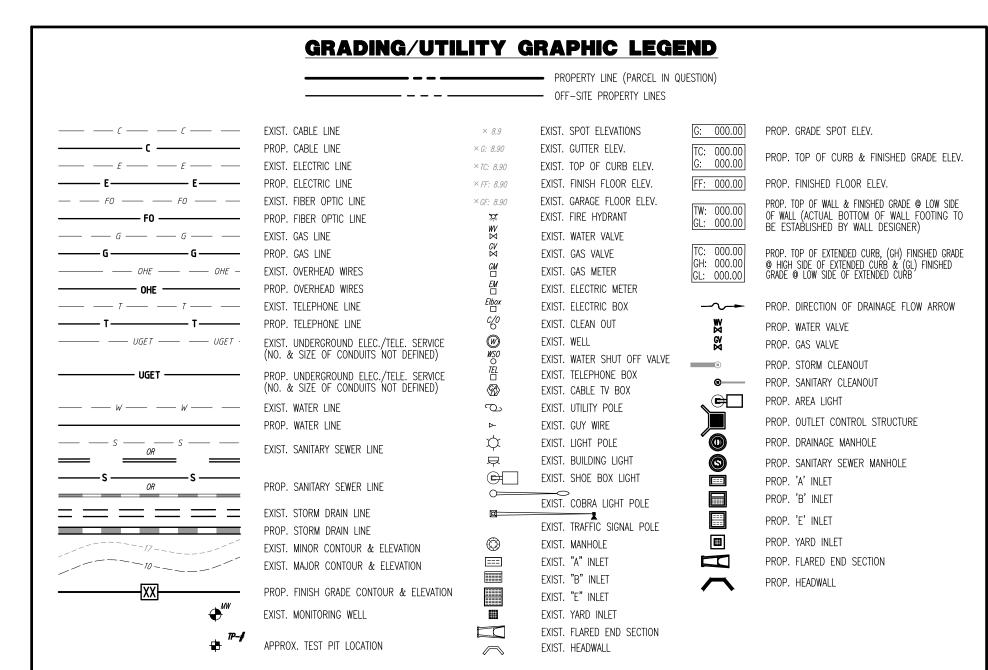
CEMETERY
EXPANSION
GRADING PLAN

COALE: (H) 1"=50' DATE:
(V). 11/30/2022

PROJECT No:
1767-22-01611

OF 15





DRAINAGE NOTES

- 1. 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.
- 2. ROOF LEADER COLLECTION PIPING ARE CONCEPTUAL IN NATURE AND ARE NOT FOR CONSTRUCTION. ACTUAL ROOF LEADER COLLECTION PIPING IS TO BE COORDINATED W/ ARCHITECTURAL PLANS FOR EACH INDIVIDUAL BUILDING. ALL ROOF LEADER COLLECTION PIPING SHALL BE SCHEDULE 40 PVC UNLESS OTHERWISE DESIGNATED.
- 3. MANUFACTURED REINFORCED CONCRETE STORM PIPE TO CONFORM TO ASTM C-76, CLASS III, UNLESS OTHERWISE DESIGNATED. MANUFACTURED REINFORCED CONCRETE ELLIPTICAL STORM PIPE TO CONFORM TO ASTM C-507, CLASS HE-III, UNLESS OTHERWISE DESIGNATED. REINFORCED CONCRETE STORMWATER PIPE TO BE INSTALLED IN ACCORDANCE WITH AMERICAN CONCRETE PIPE ASSOCIATION INSTALLATION GUIDELINES AND MORTAR OR PREFORMED FLEXIBLE JOINT SEALANTS IN ACCORDANCE WITH ASTM C 990 TO BE UTILIZED TO PROVIDE A SILT-TIGHT JOINT. WHERE SPECIFICALLY INDICATED, REINFORCED CONCRETE STORM PIPE JOINTS SHALL BE WATERTIGHT AND CONFORM TO ASTM C-443.
- 4. HDPE DRAINAGE PIPE SHALL HAVE A SMOOTH WALL INTERIOR WITH ANNULAR EXTERIOR CORRUGATIONS AND CONFORM TO ASTM F2306. SOLID PIPE SHALL HAVE GASKETED WATER-TIGHT JOINTS MEETING THE REQUIREMENTS OF ASTM F2306 AND ASTM F2306 AND ASTM D3212. PERFORATED PIPE SHALL HAVE GASKETED SILT—TIGHT JOINTS MEETING THE REQUIREMENTS OF ASTM F2306 AND ASTM F477. HDPE PIPE SHALL BE FROM A MANUFACTURER WHO IS AN EASTERN STATES CONSORTIUM (ESC) QUALIFIED MANUFACTURER OF HDPE PIPE AND INSTALLED IN ACCORDANCE WITH PIPE MANUFACTURE RECOMMENDATIONS.
- 5. HP DRAINAGE PIPE SHALL HAVE A SMOOTH WALL INTERIOR WITH ANNULAR EXTERIOR CORRUGATIONS AND CONFORM TO ASTM F2736 (12"-30" PIPE) AND ASTM F2881 (36"-60" PIPE). PIPE SHALL HAVE GASKETED WATER-TIGHT JOINTS MEETING THE REQUIREMENTS OF ASTM D3212 AND ASTM F477. FIELD WATERTIGHTNESS PERFORMANCE VERIFICATION MAY BE ACCOMPLISHED IN ACCORDANCE WITH ASTM F2487. HP PIPE SHALL BE FROM A MANUFACTURER WHO IS AN EASTERN STATES CONSORTIUM (ESC) QUALIFIED MANUFACTURER OF HP STORM PIPE AND INSTALLED IN ACCORDANCE WITH PIPE MANUFACTURER RECOMMENDATIONS.
- 6. 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.



11/30/2022

1767-22-01611

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET.)

1 INCH = 50 FT.

DYNAMIC ENGINEERING - EARTH -SURVEY - TRAFFIC

Signal of the comments

PROJECT: RESTLAND MEMORIAL PARK AND CEMETARY
BLOCK 10, LOTS 3, 3.02, & 4; TAX MAP SHEET #8

11 SUNSET INN ROAD (CR-623)

TOWNSHIP OF LAFAYETTE, SUSSEX COUNTY, NEW JERSEY



DYNAMIC
ENGINEERING
LAND DEVELOPMENT CONSULTING • PERMITTING

245 Main Street, Suite 110 Chester, NJ 07930

GEOTECHNICAL • ENVIRONMENTAL
TRAFFIC • SURVEY • PLANNING & ZONING

T: 908.879.9229 | F: 908.879.0222

Offices conveniently located at:

LAKE COMO, NEW JERSEY • T: 732,974.0198
CHESTER, NEW JERSEY • T: 908.879,9229
NEWARK, NEW JERSEY • T: 973.755.7200
TOMS RIVER, NEW JERSEY • T: 732.678,0000
NEWTOWN, PENNSYLVANIA • T: 215.253.4888
BETHLEHEM, PENNSYLVANIA • T: 610.598.4400
ALLEN, TEXAS • T: 972.534.2100
HOUSTON, TEXAS • T: 281.789,6400

www.dynamicec.com

AUSTIN, TEXAS • T: 512.646.2646 DELRAY BEACH, FLORIDA • T: 561.921.8570

WILLIAM BORD

PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 42042

JOSEPH G. JAWORSKI

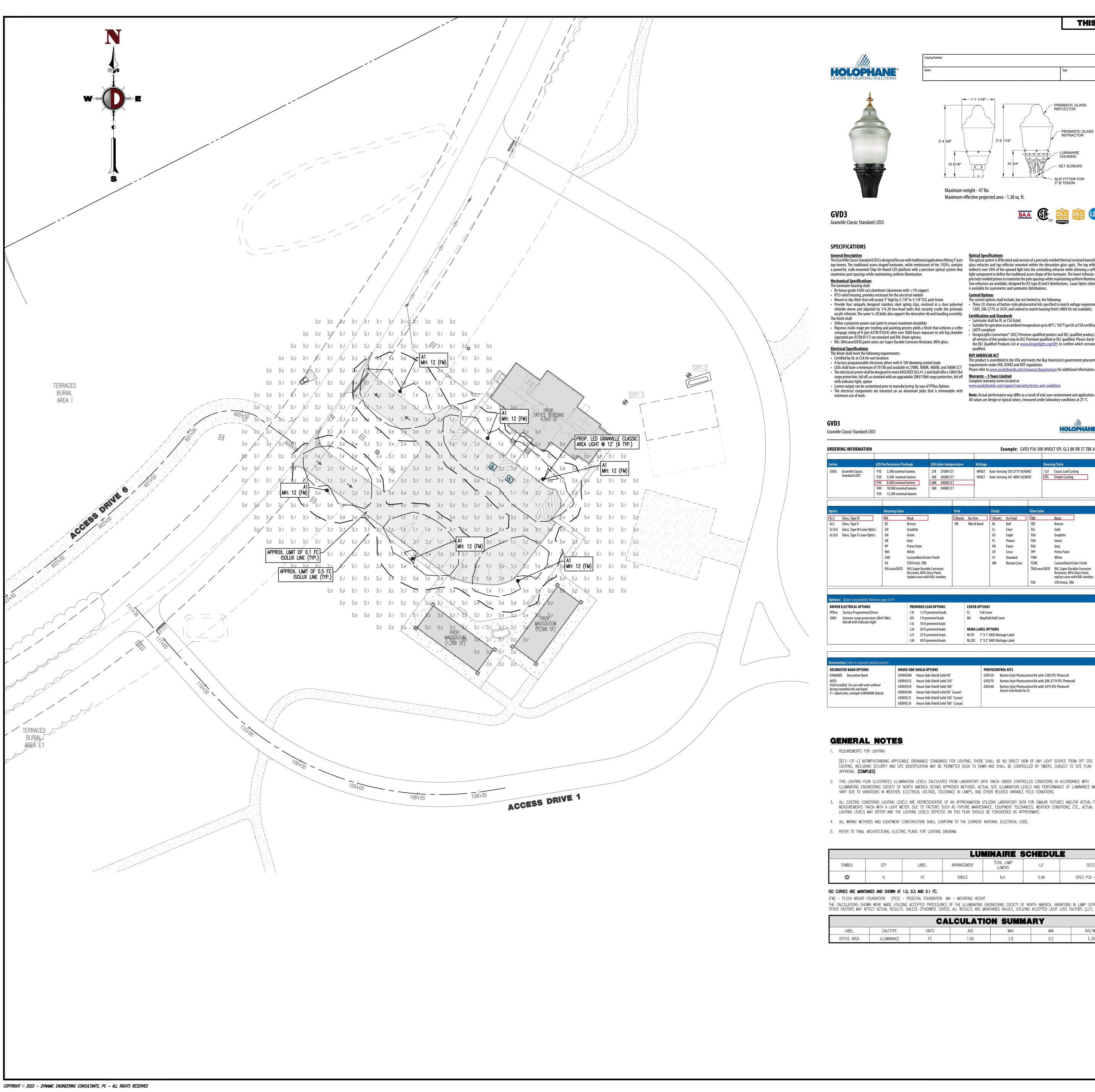
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 36618

THE VERICE PERIOD NO. OF

ACCESS DRIVE PROFILES

Rev.

Plotted: 11/30/22 - 2:58 PM, By: File: P:\DECPC PROJECTS\1767 CM





l< 1'-1 1/16" ----- REFLECTOR

Maximum weight - 47 lbs

The GranVille Classic Standard LED3 is designed for use with traditional applications fitting 3" post The optical system is IP66 rated and consists of a precisely molded thermal resistant borosilicate top tenons. The traditional acorn-shaped luminaire, while reminiscent of the 1920's, contains glass refractor and top reflector mounted within the decorative glass optic. The top reflector a powerful, stalk-mounted Chip-On-Board LED platform with a precision optical system that redirects over 50% of the upward light into the controlling refractor while allowing a soft upmaximizes post spacings while maintaining uniform illumination.

• Be heavy grade A360 cast aluminum (aluminum with <1% copper) IP55 rated housing, provides enclosure for the electrical module

chloride sleeve and adjusted by 1/4-20 hex-head bolts that securely cradle the prismatic 120V, 208-277V, or 347V, and colored to match housing finish (480V kit not available). acrylic refractor. The same $\frac{1}{4}$ -20 bolts also support the decorative rib and banding assembly. Utilize a polyester power coat paint to ensure maximum durability

Rigorous multi-stage pre-treating and painting process yields a finish that achieves a scribe creepage rating of 8 (per ASTM D1654) after over 5000 hours exposure to salt fog chamber (operated per ASTM B117) on standard and RAL finish options. RAL (RALxxxxSDCR) paint colors are Super Durable Corrosion Resistant, 80% gloss.

 A factory programmable electronic driver with 0-10V dimming control leads LEDs shall have a minimum of 70 CRI and available in 2700K, 3000K, 4000K, and 5000K CCT The electrical system shall be designed to meet ANSI/IEEE C62.41.2 and shall offer a 10kV/5kA surge protection, fail off, as standard with an upgradable 20kV/10kA surge protection, fail off Warranty – 5 Years Limited

 Lumen output can be customized prior to manufacturing by way of FPDxx Options • The electrical components are mounted on an aluminum plate that is removeable with

Maximum effective projected area - 1.38 sq. ft.

light component to define the traditional acorn shape of the luminaire. The lower refractor uses precisely molded prisms to maximize the pole spacings while maintaining uniform illuminance. Two refractors are available, designed for IES type III and V distributions. Lunar Optics shielding is available for asymmetric and symmetric distributions.

The control options shall include, but not limited to, the following: • Provide four uniquely designed stainless steel spring clips, enclosed in a clear polyvinyl • Three (3) choices of button-style photocontrol kits specified to match voltage requirements:

> **Certification and Standards** Luminaire shall be UL or CSA listed. Suitable for operation in an ambient temperature up to 40°C/105°F per UL or CSA certification LM79 compliant DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check with the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are

> This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to <u>www.acuitybrands.com/resources/buyamerican</u> for additional information.

plete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C.

> replace xxxx with RAL number STD Finish, TBD

HOLOPHANE® LEADER IN LIGHTING SOLUTIONS
Example: GVD3 P30 30K MVOLT SPL GL3 BK RB ST TBK A0

GVD3	Granville Classic Standard LED3	P10 P20 P30 P40 P50	3,300 nomina 5,500 nomina 8,400 nomina 10,900 nomina 13,200 nomina	I lumens I lumens al lumens	27K 30K 40K 50K	2700K CC 3000K CC 4000K CC 5000K CC	T T				ng 120-277V 50/60 ng 347-480V 50/60	١.	CLF Classic Leaf Castin SPL Simple Casting	ng
Optics			Housing Color				Trim			Finial		Trim Color		
GL3	Glass, Type III		ВК	Black			[Blank]	No T	rim	(Blank)	No Finial	ТВК	Black	
GL5	Glass, Type V		BZ	Bronze			RB	Ribs	& Band	BL	Ball	TBZ	Bronze	
GL3LU	Glass, Type III Lunar Optio	cs	GH	Graphite						CL	Clear	TGL	Gold	
GL5LU	Glass, Type V Lunar Optic	s	GN	Green						EG	Eagle	TGH	Graphite	
			GR	Grey						FL	Flower	TGN	Green	
			PP	Prime Paint						PN	Pawn	TGR	Grey	
			WH	White						CR	Cross	TPP	Prime Paint	
			CMC	CustomMatchCol	or Finis	h				ST	Standard	TWH	White	
			XX	STD Finish, TBD						RM	Roman Cross	TCMC	CustomMatchCol	or Finish
			RALxxxxSDCR	RAL Super Durab Resistant, 80% G								TRALxxxx	SDCR RAL Super Durab Resistant, 80% G	

DRIVER	PRIVER ELECTRICAL OPTIONS PREWIRED LEAD OPTIONS		COVER OPTIONS
FPDxx	Factory Programmed Driver	L1H 1.5 ft prewired leads	FC Full Cover
20KV	V Extreme surge protection 20kV/10kA, fail off with indicator light	L03 3 ft prewired leads	MC Mayfield Half Cover
		L10 10 ft prewired leads	
		L20 20 ft prewired leads	NEMA LABEL OPTIONS
		L25 25 ft prewired leads	NL1X1 1" X 1" ANSI Wattage Label
		L30 30 ft prewired leads	NL2X2 2" X 2" ANSI Wattage Label

HOUSE-SIDE SHIELD OPTIONS PHOTOCONTROL KITS GVDHSS90 House Side Shield Solid 90° GVD12X Button Style Photocontrol Kit with 120V DTL Photocell GVDHSS12 House Side Shield Solid 120° GVD27X Button Style Photocontrol Kit with 208-277V DTL Photocell GVD34X Button Style Photocontrol Kit with 347V DTL Photocell GVDHSS18 House Side Shield Solid 180° (Insert trim finish for X) GVDHSL90 House Side Shield Solid 90° (Lunar) GVDHSL12 House Side Shield Solid 120° (Lunar) GVDHSL18 House Side Shield Solid 180° (Lunar)

[\$13-13F-L] NOTWITHSTANDING APPLICABLE ORDINANCE STANDARDS FOR LIGHTING, THERE SHALL BE NO DIRECT VIEW OF ANY LIGHT SOURCE FROM OFF SITE. LIGHTING, INCLUDING SECURITY AND SITE IDENTIFICATION MAY BE PERMITTED DUSK TO DAWN AND SHALL BE CONTROLLED BY TIMERS, SUBJECT TO SITE PLAN

2. 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 LUMINARIES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER RELATED VARIABLE FIELD CONDITIONS.

3. 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.

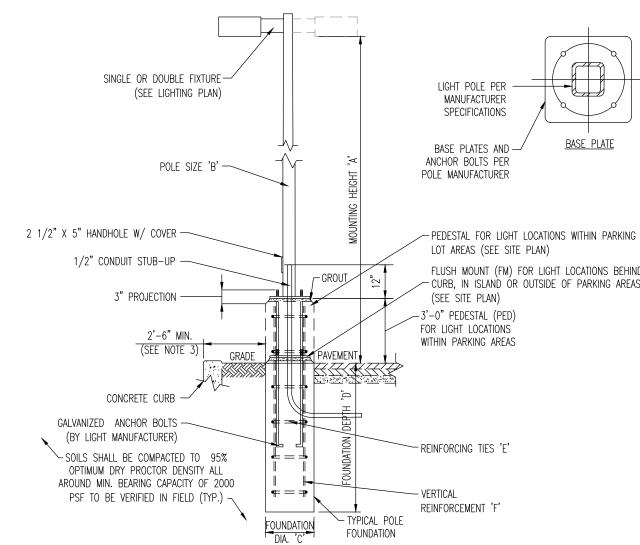
4. ALL WIRING METHODS AND EQUIPMENT CONSTRUCTION SHALL CONFORM TO THE CURRENT NATIONAL ELECTRICAL CODE.

LUMINAIRE SCHEDULE								
SYMBOL	QTY	LABEL	ARRANGEMENT	TOTAL LAMP LUMENS	LLF	DESCRIPTION	FILENAME	
	6	A1	SINGLE	N.A.	0.99	GPD3 P30 40K XXXX GL3	GPD3_P30_40K_XXXX_GL3.IES	

ISO CURVES ARE MAINTAINED AND SHOWN AT 1.0, 0.5 AND 0.1 FC.

(FM) - FLUSH MOUNT FOUNDATION (PED) - PEDESTAL FOUNDATION MH - MOUNTING HEIGHT THE CALCULATIONS SHOWN WERE MADE UTILIZING ACCEPTED PROCEDURES OF THE ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA. VARIATIONS IN LAMP OUTPUT, BALLAST OUTPUT, LINE VOLTAGE, DIRT DEPRECIATION, AND

CALCULATION SUMMARY								
LABEL	CALCTYPE	UNITS	AVG	MAX	MIN	AVG/MIN	MAX/MIN	
OFFICE AREA	ILLUMINANCE	FC.	1.06	2.9	0.2	5.30	14 50	



NOTE: 1. CONTRACTOR TO CONFIRM ALL LIGHT POLE & FIXTURE DIMENSIONS PRIOR TO CONSTRUCTION. 2. PROPOSED POLE IN COMBINATION WITH CONCRETE PEDESTAL TO EQUAL MOUNTING HEIGHT 'A'. ACTUAL POLE HEIGHT TO BE ADJUSTED ACCORDINGLY. 3. PROPOSED CONCRETE FOUNDATION AND POLE TO BE CONSTRUCTED <u>WITHIN</u> SUBJECT PROPERTY UNLESS OTHERWISE NOTED. SETBACK FROM CURB IS PREFERRED BUT TO BE ADJUSTED AS NEEDED TO PREVENT ENCROACHMENT OVER PROPERTY LINE.

LIGHT POLE FOUNDATION	SCHEDULE
MOUNTING HEIGHT ABOVE GRADE 'A'	12'
POLE DIA. 'B'	6" SQUARE (OR PER MANUFACTURER)
# OF FIXTURES	SINGLE OR DOUBLE
FOUNDATION DIAMETER 'C'	18" DIA. ROUND
FOUNDATION DEPTH 'D'	6'
REINFORCING TIES 'E'	#4 @ 16" O.C.
VERTICAL REINFORCEMENT 'F'	(6) #5 BARS EQUALLY SPACED

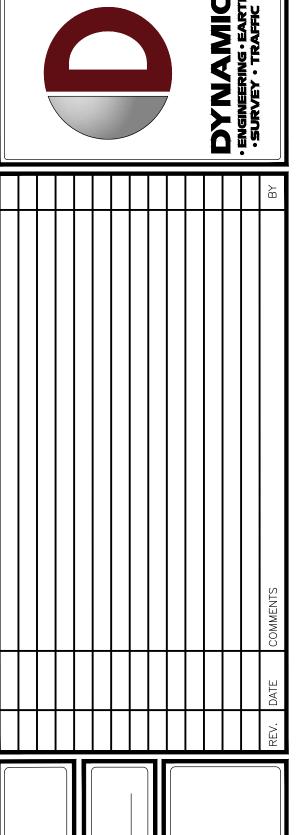
1. FOOTING DESIGN BASED ON ASSUMED MAXIMUM ALLOWABLE SOILS BEARING CAPACITY OF 2,000 SF PSF. CONTRACTOR RESPONSIBLE TO VERIFY ADEQUACY OF ASSUMED BEARING CAPACITY PRIOR TO CONSTRUCTION. ENGINEER TO BE NOTIFIED IF INCONSISTENCIES EXIST. 2. SUBGRADE TO BE FREE OF ORGANICS AND BE SUITABLE, COMPACTED MATERIAL.

1. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS WITH A MINIMUM CEMENT CONTENT OF 600 POUNDS PER CUBIC YARD FOR ALL FOOTINGS.

2. ALL CONCRETE SHALL HAVE A SLUMP OF NO GREATER THAN 4" TO WITHIN A TOLERANCE OF 1". 3. ALL EXPOSED CONCRETE SHALL BE AIR-ENTRAINED (WITHIN 1% TOLERANCE), CONFORMING TO ASTM C260.

4. REINFORCING FRAMEWORK AND PLACEMENT OF CONCRETE SHALL COMPLY WITH GOOD CONSTRUCTION PRACTICES AND BE IN ACCORDANCE WITH ALL LOCAL GOVERNING CODES AND REGULATIONS AS WELL AS THE ACI AND UNIFORM BUILDING CODE.

AREA LIGHT DETAIL



306 308	CHECK					
THIS PLAN SET IS FOR PERMITTING PURPOS ONLY AND MAY NOT BE USED FOR CONSTRUC	СНЕСКЕВ ВҮ:	PROJECT: RESTLAND MEMORIAL PARK ASSOCIATI Eternal sunset memoral park and cemetary BLOCK 10, LOTS 3, 3.02, & 4; Tax map sheet #8 11 sunset inn road (cr-623) Township of lafayette, sussex county, new jersey				
plan set is for nd may not be (DESIGNED BY: WB	RESTLAND MEMORIAL PARK ASSOC ETERNAL SUNSET MEMORIAL PARK AND CEMETARY BLOCK 10, LOTS 3, 3.02, & 4; TAX MAP SHEET #8 11 SUNSET INN ROAD (CR-623) TOWNSHIP OF LAFAYETTE, SUSSEX COUNTY, NEW JER				
THIS E	DRAWN BY: RRR	PROJECT: RESTLA ETERNAL S ELECK 10, 11 SUNSE TOWNSHIP				
	PROTECT	YOURSELF				
L STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE						

FOR STATE SPECIFIC DIRECT PHONE NUMBERS VIS WWW.CALL811.COM

DYNAMIC **ENGINEERING** LAND DEVELOPMENT CONSULTING • PERMITTING GEOTECHNICAL • ENVIRONMENTAL

TRAFFIC • SURVEY • PLANNING & ZONING

245 Main Street, Suite 110

Chester, NJ 07930 T: 908.879.9229 | F: 908.879.0222

Offices conveniently located at:

LAKE COMO, NEW JERSEY • T: 732.974.0198 CHESTER, NEW JERSEY • T: 908.879.9229 NEWARK, NEW JERSEY • T: 973.755.7200 TOMS RIVER, NEW JERSEY • T: 732.678.0000 NEWTOWN, PENNSYLVANIA • T: 267.685.0276 PHILADELPHIA, PENNSYLVANIA • T: 215.253.4888 BETHLEHEM, PENNSYLVANIA • T: 610.598.4400 ALLEN, TEXAS • T: 972.534.2100 HOUSTON, TEXAS • T: 281,789,6400

www.dynamicec.com **WILLIAM BORD**

AUSTIN, TEXAS • T: 512.646.2646 DELRAY BEACH, FLORIDA • T: 561.921.8570

PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 42042

JOSEPH G. JAWORSKI

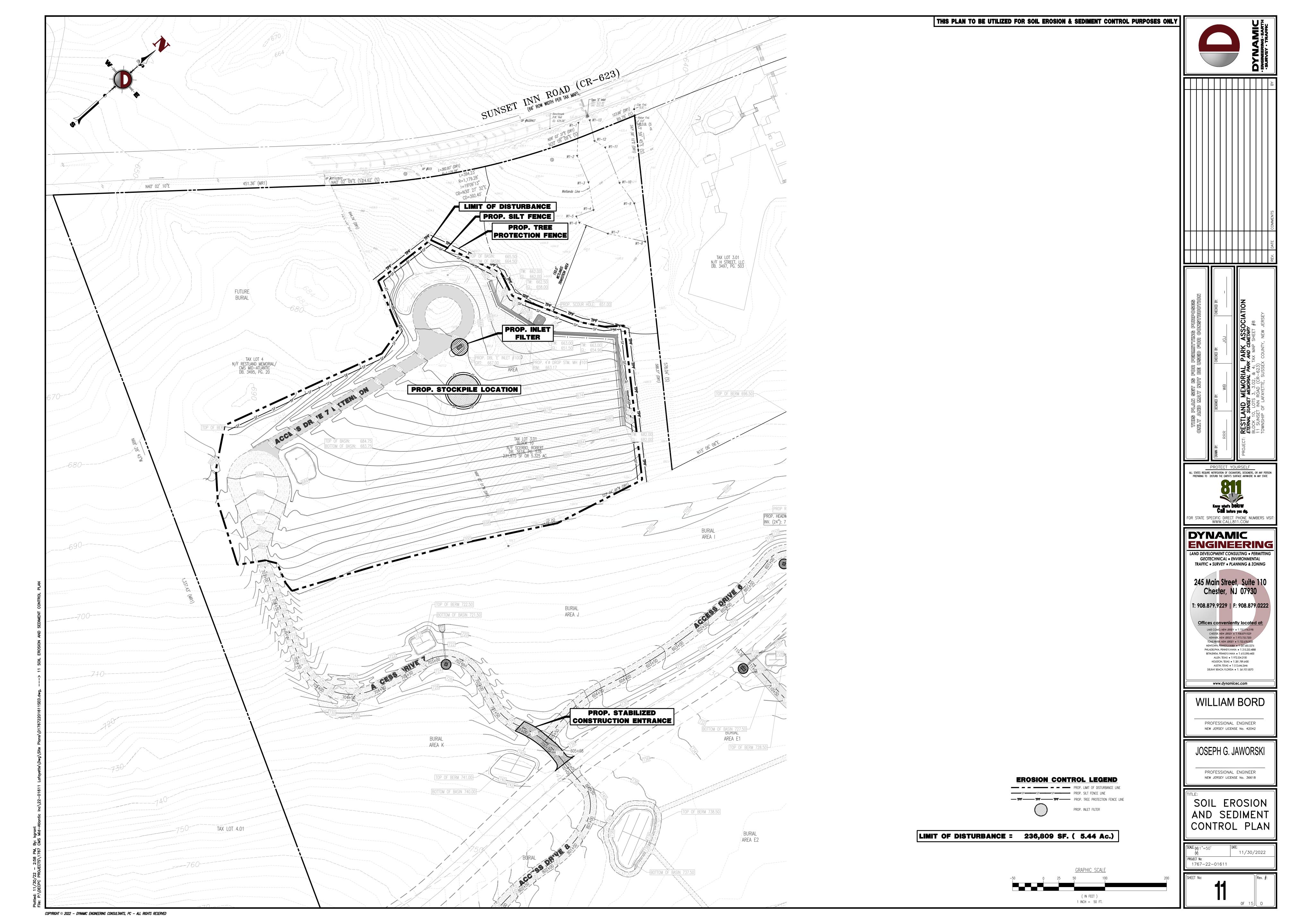
PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 36618

OFFICE AREA LIGHTING PLAN

11/30/2022 1767-22-01611

GRAPHIC SCALE

1 INCH = 30 FT.



PHASE 3: EXCAVATION, CONSTRUCTION, AND STABILIZATION OF DETENTION BASIN(S), EXCAVATE AND INSTALL UNDERGROUND PIPING AND DRAINAGE STRUCTURES. PHASE 4: EXCAVATE FOR BUILDING FOUNDATION.

PHASE 5: COMPLETE BUILDING CONSTRUCTION. PHASE 6: EXCAVATE AND INSTALL ON SITE IMPROVEMENTS INCLUDING CURBING, UNDERGROUND PIPING, AND DRAINAGE STRUCTURES.

PHASE 7: FINAL GRADING ON SITE. PHASE 8: INSTALL PAVING, CONCRETE, AND FINAL VEGETATION INCLUDING SEEDING AND LANDSCAPING.

SOIL EROSION & SEDIMENT CONTROL NOTES:

1. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSTALLED IN ACCORDANCE WITH THE STATE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL, AND WILL BE INSTALLED IN PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED. 2. ANY DISTURBED AREA THAT WILL BE LEFT EXPOSED FOR MORE THAN THIRTY (30) DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PROHIBITS

TEMPORARY SEEDING, THE DISTURBED AREA WILL BE MULCHED WITH SALT HAY OR EQUIVALENT AND BE BOUND IN ACCORDANCE WITH THE STATE STANDARDS (I.E. PEG AND TWINE, MULCH NETTING, OR LIQUID MULCH 3. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AT A RATE OF 2 TONS PER ACRE, ACCORDING TO STATE STANDARDS.

4. STABILIZATION SPECIFICATIONS - TEMPORARY SEEDING AND MULCHING: - LIME - 90 LBS/1,000 SF GROUND LIMESTONE; FERTILIZER - 11 LBS/1,000 SF; 10-20-10 OR EQUIVALENT WORKED INTO SOIL A MINIMUM OF 4".

PERENNIAL RYE GRASS 100LBS/ACRE OR OTHER APPROVED SEEDS; PLANT BETWEEN MARCH 1 AND MAY 15 OR BETWEEN AUGUST 15 AND OCTOBER 1. WARM SEASON:

PEARL MILLET AT 20 LBS/AC. OR OTHER APPROVED SEEDS; PLANT BETWEEN MAY 15 AND AUGUST 15. - MULCH - SALT HAY OR SMALL GRAIN STRAW AT A RATE OF 70 TO 90 LBS/1,000 SF TO BE APPLIED ACCORDING TO THE STATE STANDARDS. MULCH SHALL BE SECURED BY APPROVED METHODS (I.E. PEG AND TWINE, MUICH NETTING, OR LIQUID MULCH BINDER.

5. TEMPORARY BERMS ARE TO BE INSTALLED ON ALL CLEARED ROADWAYS AND EASEMENT AREAS IN ACCORDANCE WITH THE STATE STANDARDS. 6. A SUB-BASE COURSE WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS IN ORDER TO STABILIZE DRIVEWAYS AND PARKING AREAS. IN AREAS WHERE NO UTILITIES ARE PRESENT, SUB-BASE WILL BE INSTALLED WITHIN 15 DAYS OF PRELIMINARY GRADING.

7. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORM WATER RUN-OFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES. 8. ANY STEEP SLOPES RECEIVING PIPELINE INSTALLATION WILL BE BACK FILLED AND STABILIZED DAILY, AS THE INSTALLATION PROCEEDS (I.E. SLOPES GREATER 3:1).

9. ALL SEDIMENTATION STRUCTURES WILL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS AND AFTER EVERY STORM EVENT. 10. STOCKPILES ARE NOT 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. 11. A CRUSHED STONE VEHICLE WHEEL CLEANING BLANKET WILL BE INSTALLED IMMEDIATELY AFTER INITIAL SITE DISTURBANCE AND WILL BE INSTALLED WHEREVER 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. 12. MAXIMUM SLIDE SLOPES OF ALL EXPOSED SURFACES SHALL NOT EXCEED 3:1 UNLESS OTHERWISE APPROVED BY THE DISTRICT. 13. ANY INDIVIDUAL ACCESS ROADS OR DRIVES MUST BE STABILIZED WITH 2-1/2" CRUSHED STONE PRIOR TO COMMENCEMENT OF CONSTRUCTION IN THAT AREA.

14. PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.

15. ALL CATCH BASIN INLETS MUST BE PROTECTED WITH A CRUSHED STONE OR HAY BALE FILTER (SEE DETAIL). 16. CONDUIT OUTLET PROTECTION MUST BE INSTALLED AT ALL REQUIRED OUT FALLS PRIOR TO THE DRAINAGE SYSTEM BECOMING OPERATIONAL. 17. ALL DE-WATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT FILTER AREA. THE SEDIMENT FILTER SHALL BE COMPOSED OF A SUITABLE SEDIMENT FILTER FABRIC (SEE DETAIL).

18. PERMANENT VEGETATION TO BE SEEDED OR SODDED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER FINAL GRADING. MULCH TO BE USED AS NECESSARY FOR PROTECTION UNTIL SEEDING IS ESTABLISHED.

19. PERMANENT STABILIZATION SPECIFICATIONS: SEEDING 20. PERMANENT STABILIZATION SPECIFICATIONS: MULCHING A. MULCH MATERIALS TO BE UNROTTED SALT HAY, HAY, OR SMALL GRAIN STRAW AT THE RATE OF 1.5 TO 2 TONS PER ACRE OR 70 TO 90 POUNDS PER 1,000 SQ. FT.

B. SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THAT APPROXIMATELY 75% TO 95% OF SOIL SURFACE WILL BE COVERED. C. MULCH ANCHORING TO BE DONE IMMEDIATELY AFTER PLACEMENT BY ONE OF THE FOLLOWING METHODS:

(1) PEG AND TWINE (2) MULCH NETTING

(3) LIQUID MULCH-BINDERS 21. ALL UNSTABILIZED AREAS TO BE SPRINKLED WITH WATER UNTIL WET AT THE BEGINNING OF EACH DAY TO CONTROL DUST.

22. ANY SOIL HAVING A PH OF 4 OR LESS OR CONTAINING IRON SULFIDES SHALL BE COVERED WITH A MINIMUM OF 12" OF SOIL HAVING A PH OF 5 OR MORE PRIOR TO SEEDBED PREPARATION. 23. AT THE TIME OF SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION, ANY SOIL NOT SUITABLE TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER WILL BE REMOVED OR TREATED IN SUCH A WAY TO PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER. (IF REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS, NON-VEGETATIVE MEANS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE PROVIDED.)

24. ALL SITE WORK FOR SITE PLANS WILL HAVE TO BE COMPLETED PRIOR TO THE SOIL CONSERVATION DISTRICT ISSUING A REPORT OF COMPLIANCE FOR THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE 25. THE SOIL CONSERVATION DISTRICT MAY REQUEST ADDITIONAL MEASURES TO MINIMIZE ON OR OFF SITE EROSION PROBLEMS DURING CONSTRUCTION. THE DISTRICT SHALL BE NOTIFIED IN WRITING 72 HOURS PRIOR TO

26. ANY CHANGES TO THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLANS WILL REQUIRE THE SUBMISSION OF REVISED SOIL EROSION AND SEDIMENT CONTROL PLANS TO THE DISTRICT FOR RECERTIFICATION.

STANDARD FOR STABILIZATION WITH MULCH ONLY

THE REVISED PLANS MUST MEET ALL CURRENT STATE SOIL EROSION AND SEDIMENT CONTROL STANDARDS.

A. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH ANCHORING. ALL GRADING SHOULD BE DONE IN B. INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENT BASINS, AND WATERWAYS. SEE STANDARDS 11

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 ANCHORING TOOL, LIQUID MULCH BINDERS, OR NETTING TIE DOWN. OTHER SUITABLE MATERIALS MAY BE USED IF APPROVED BY THE SOIL CONSERVATION DISTRICT. THE APPROVED RATES ABOVE HAVE BEEN MET WHEN THE MULCH COVERS THE GROUND COMPLETELY UPON VISUAL INSPECTION, I.E. THE SOIL CANNOT BE SEEN BELOW THE MULCH. B. SYNTHETIC OR ORGANIC SOIL STABILIZERS MAY BE USED UNDER SUITABLE CONDITIONS AND IN QUANTITIES AS RECOMMENDED BY THE MANUFACTURER.

: WOOD-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. EXCELSIOR. COTTON. OR PLASTIC. MAY BE ÚSE E. WOODCHIPS APPLIED UNIFORMLY TO A MINIMUM DEPTH OF 2 INCHES MAY BE USED. WOODCHIPS WILL NOT BE USED ON AREAS WHERE FLOWING WATER COULD WASH THEM INTO AN INLET AND PLUG IT. F. GRAVEL, CRUSHED STONE, OR SLAG AT THE RATE OF 9 CUBIC YARDS PER 1,000 SQ. FT. APPLIED UNIFORMLY TO A MINIMUM DEPTH OF 3 INCHES MAY BE USED. SIZE 2 OR 3 (ASTM 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.

B. MULCH NETTINGS CRIMPER MULCH ANCHORING COULTER TOOL D. LIQUID MULCH-BINDERS

STANDARD FOR PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION

A. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH ANCHORING. ALL GRADING SHOULD BE DONE IN B. IMMEDIATELY PRIOR TO SEEDING AND TOPSOIL APPLICATION, 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.

A. UNIFORMLY APPLY GROUND 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 MAILERS ARE AVAILABLE FROM THE LOCAL RUTGERS COOPERATIVE EXTENSION OFFICES (HTTP://njaes.rutgers.edu/county. 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 50% WATER INSOLUBLE NITROGEN UNLESS A SOIL TEST INDICATES OTHERWISE AND INCORPORATED INTO THE SURFACE 4 INCHES. IF FERTILIZER IS NOT INCORPORATED, APPLY ONE—HALF THE RATE DESCRIBED ABOVE DURING SEEDBED PREPARATION AND REPEAT ANOTHER ONE-HALF RATE APPLICATION OF THE SAME FERTILIZER WITHIN 3 TO 5 WEEKS AFTER SEEDING. 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 FINAL HARROWING OR DISKING OPERATION SHOULD BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLE UNIFORM SEEDBED IS PREPARED. C. HIGH ACID PRODUCING SOIL. 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 SEEDBED REPARATION. SEE STANDARD FOR MANAGEMENT OF HIGH ACID-PRODUCING SOILS FOR SPECIFIC REQUIREMENTS.

A. PERMANENT VEGETATIVE MIXTURES & PLANTING RATES 1) HARD FESCUE -175 LBS/ACRE 4 LBS/1000 SQ.FT. 175 LBS/ACRE 4 LBS/1000 SQ.FT STRONG CREEPING RED FESCUE - 175 LBS/ACRE 4 LBS/1000 SQ.FT. 1 LBS/1000 SQ.FT.) PERENNIAI RYEGRASS — 45 LBS/ACRE

(5) KY. BLUEGRASS -45 LBS/ACRE 1 LBS/1000 SQ.FT. B. CONVENTIONAL SEEDING IS PERFORMED BY APPLYING SEED UNIFORMLY BY HAND, CYCLONE (CENTRIFUGAL) SEEDER, DROP SEEDER, DRILL OR CULTIPACKER SEEDER. EXCEPT FOR DRILLED, HYDROSEEDED OR CULTIPACKED SEEDINGS, SEED SHALL BE INCORPORATED INTO THE SOIL WITHIN 24 HOURS OF SEEDBED PREPARATION TO A DEPTH OF 1/4 TO 1/2 INCH, BY RAKING OR DRAGGING. DEPTH OF SEED PLACEMENT MAY BE 1/4 INCH DEEPER ON COARSE-TEXTURED SOIL. C. AFTER SEEDING, FIRMING 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 MAXIMIZED. 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. SHORTFIBERED 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.

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 DEEMED 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 CRIMPER IS USED INSTEAD OF A LIQUID MULCH-BINDER (TACKIFYING 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 FINE TURF OR LAWNS DUE TO THE PRÉSENCE 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 70 TO 90 POUNDS WITHIN 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 NETTINGS 3. CRIMPER MULCH ANCHORING COULTER 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. MULCH SHALL NOT BE MIXED IN THE TANK WITH SEED. USE IS LIMITED TO FLATTER SLOPES AND DURING

AFTER SPREADING PELLETIZED MULCH ON THE SEED BED IS EXTREMELY IMPORTANT FOR SUFFICIENT ACTIVATION AND EXPANSION OF THE MULCH TO PROVIDE SOIL COVERAGE.

OPTIMUM SEEDING PERIODS IN SPRING AND FALL. C. PELLETIZED 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 SEEDED AREA AND WATERED, FORM A MULCH MAT. PELLETIZED 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, SEEDED AREAS WHERE WEEDSEED FREE MULCH IS DESIRED, OR ON SITES WHERE STRAW MULCH AND TACKIFIER AGENT ARE NOT PRACTICAL OR DESIRABLE. APPLYING THE FULL 0.2 TO 0.4 INCHES OF WATER

STANDARD FOR TEMPORARY VEGETATIVE

COVER FOR SOIL STABILIZATION

A. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH ANCHORING. ALL GRADING SHOULD BE DONE IN B. INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENT BASINS, AND WATERWAYS. SEE STANDARDS 11 C. IMMEDIATELY PRIOR TO SEEDING, THE SURFACE SHOULD BE SCARIFIED 6" TO 12" WHERE THERE HAS BEEN SOIL COMPACTION. THIS PRACTICE IS PERMISSIBLE ONLY WHERE THERE IS NO DANGER TO UNDERGROUND UTILITIES (CABLES, IRRIGATION SYSTEMS, ETC.).

2. SEEDBED PREPARATION

A. APPLY GROUND LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST RECOMMENDATIONS SUCH AS OFFERED BY RUTGERS CO-OPERATIVE EXTENSION. SOIL SAMPLE MAILERS ARE AVAILABLE FROM THE LOCAL RUTGERS COOPERATIVE EXTENSION OFFICES FERTILIZER SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE OR 11 POUNDS PER 1,000 SQUARE FEET OF 10-20-10 OR EQUIVALENT WITH 50% WATER INSOLUBLE NITROGEN UNLESS A SOIL TEST CALCIUM CARBONATE IS THE EQUIVALENT AND STANDARD FOR MEASURING THE ABILITY OF LIMING MATERIALS TO NEUTRALIZE SOIL ACIDITY AND SUPPLY CALCIUM AND MAGNESIUM TO GRASSES AND LEGUMES. B. WORK LIME AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, SPRINGTOOTH HARROW, OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISKING OPERATION SHOULD BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLE UNIFORM SEEDBED IS PREPARED. C. INSPECT SEEDBED JUST 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.

A. TEMPORARY VEGETATIVE STABILIZATION GRASSES, SEEDING RATES, DATES AND DEPTHS

- COOL SEASON GRASSES: 1) PERENNIAL RYEGRASS - 100 LBS / ACRE; PLANT BETWEEN MARCH 1 AND MAY 15 BETWEEN AUGUST 15 AND OCTOBER 1; AT A DEPTH OF 0.5 INCHES. SPRING OATS - 86 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 - 96 LBS / ACRE; PLANT BETWEEN AUGUST 15 AND OCTOBER 1; AT A DEPTH OF 1.0 INCHES. (4) ANNUAL RYEGRASS — 100 LBS / ACRE; PLANT BETWEEN MARCH 1 AND JUNE 15 BETWEEN AUGUST 1 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.

(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. CONVENTIONAL SEEDING. APPLY SEED UNIFORMLY BY HAND, CYCLONE (CENTRIFUGAL) SEEDER, DROP SEEDER, DRILL OR CULTIPACKER SEEDER. EXCEPT FOR DRILLED, HYDROSEEDED OR CULTIPACKED SEEDINGS, SEED SHALL BE INCORPORATED INTO THE SOIL, TO A DEPTH OF 1/4 TO 1/2 INCH, BY KAKING OR DRAGGING, DEPTH OF SEED PLACEMENT MAY BE 1/4 INCH DEEPER ON COARSE TEXTURED SOIL.

. 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, MUICH SHALL NOT BE INCLUDED IN THE TANK WITH SEED, SHORT FIBERED MUICH MAY BE APPLIED WITH A HYDROSFEDER FOLLOWING SEEDING, (ALSO SEE SECTION IV MULCHING) HYDROSEEDING IS NOT A PREFERRED SEEDING METHOD BECAUSE SEED AND FERTILIZER ARE APPLIED TO THE SURFACE AND NOT INCORPORATED INTO THE SOIL. POOR SEED TO SOIL CONTACT OCCURS REDUCING SÉED GERMINATION AND GROWTH. HYDROSEEDING MAY BE USED FOR AREAS TOO STEEP FOR CONVENTIONAL EQUIPMENT TO TRAVERSE OR TOO OBSTRUCTED WITH ROCKS, STUMPS, ETC D. AFTER SEEDING, FIRMING 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 MAXIMIZED.

 MUI CHING MULCHING IS REQUIRED ON ALL SEEDING. MULCH WILL INSURE AGAINST EROSION BEFORE GRASS IS ESTABLISHED AND WILL PROMOTE FASTER AND EARLIER ESTABLISHMENT. THE EXISTENCE OF VEGETATION SUFFICIENT

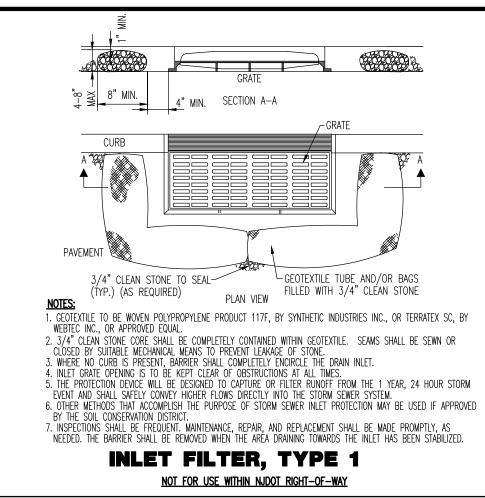
TO CONTROL SOIL EROSION SHALL BE DEEMED COMPLIANCE WITH THIS MULCHING REQUIREMENT. A. STRAW OR HAY, UNROTTED SMALL GRAIN STRAW, HAY FREE OF SEEDS, APPLIED AT THE RATE OF 1-1/2 TO 2 TONS PER ACRE (70 TO 90 POUNDS PER 1.000 SQUARE FEET), EXCEPT THAT WHERE A CRIMPER IS USED INSTEAD OF A LIQUID MULCH-BINDER (TACKIFYING 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 FINE TURF OR LAWNS DUE TO THE PRESENCE OF WEED SEED.

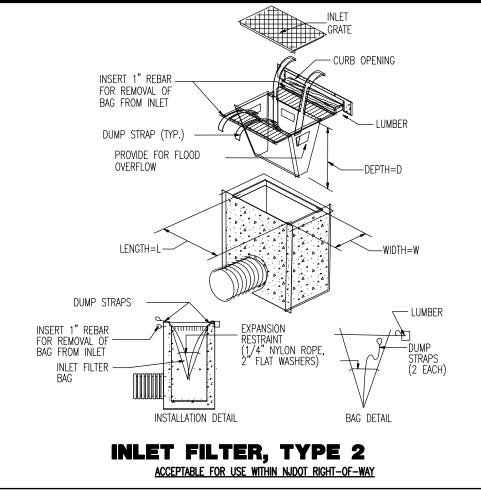
APPLICATION. SPREAD MULCH UNIFORMLY BY HAND OR MECHANICALLY SO THAT APPROXIMATELY 95% OF THE SOIL SURFACE WILL BE COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 SQUARE FEET SECTIONS AND DISTRIBUTE 70 TO 90 POUNDS WITHIN EACH SECTION. ANCHORING SHALL BE ACCOMPLISHED 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.

MULCH NETTINGS 3. CRIMPER MULCH ANCHORING COULTER 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 PROJECT MANUFACTURER) AND MAY BE APPLIED BY A HYDROSEEDER. THIS MULCH SHALL NOT BE MIXED IN THE TANK WITH SEED. USE IS LIMITED TO FLATTER SLOPES AND DURING OPTIMUM SEEDING PERIODS IN SPRING AND FALL.

C. PELLETIZED 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 SEEDED AREA AND WATERED, FORM A MULCH MAT. PELLETIZED MULCH SHALL BE APPLIES IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. MULCH MAY BE APPLIED BY HAND OR MECHANICAL SPRFADER 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, SEEDED AREAS WHERE WEED-SEED FREE MULCH IS DESIRED OR ON SITES WHERE STRAW MULCH AND TACKIFIER AGENT ARE NOT PRACTICAL OR DESIRABLE. APPLYING THE FULL 0.2 TO 0.4 INCHES OF WATER AFTER SPREADING PELLETIZED MULCH ON THE SEED BED IS EXTREMELY IMPORTANT FOR SUFFICIENT ACTIVATION AND EXPANSION OF THE MULCH TO PROVIDE SOIL

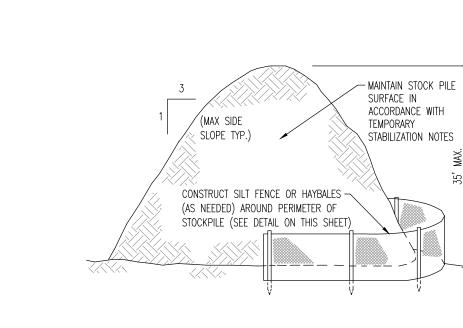




INLET FILTER COMBINED DETAIL

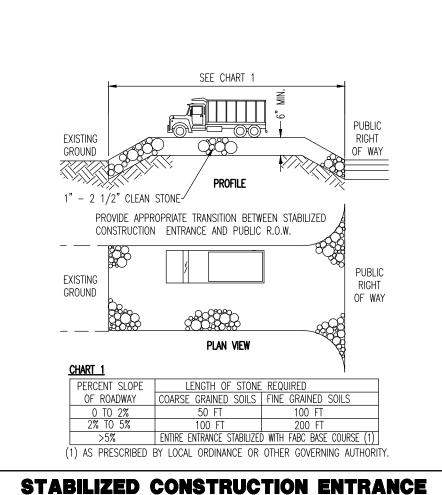
─ WOOD OR METAL FENCE POSTS SPACED 8'-0" O.C. DRAWSTRING RUNNING THROUGH FABRIC ALONG - FABRIC SECURED TO POST WITH METAL FASTENERS AND TOP OF FENCE. REINFORCEMENT BETWEEN FASTENER AND FABRIC ¥ DRAWSTRING RUNNING THROUGH , FABRIC ALONG TOP OF FENCE. EXISTING UNDISTURBED GROUND ...DIG 6" WIDE AND 6" DEEP TRENCH, BURY BOTTOM 1'-0" OF FILTER FABRIC, TAMP IN PLACE

1. PLACE SILT FENCE AT LOCATIONS AS SHOWN ON THE SOIL EROSION AND SEDIMENT CONTROL PLAN. 2. THE SLOPE OF THE LAND FOR AT LEAST 30 FEET ADJACENT TO ANY SILT FENCE SHALL NOT EXCEED 5 PERCENT . SILT FENCE SHALL BE INSTALLED SO WATER CANNOT BYPASS THE FENCE AROUND THE SIDES . INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE AS PROMPTLY AS POSSIBLE. 5. SILT FENCE SHALL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT UNLESS OTHERWISE INSTRUCTED BY THE TOWNSHIP ENGINEER OR SOIL 6. THE BARRIER SHALL BE REMOVED WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM . FENCE POSTS SHALL BE SPACED 8 FEET CENTER-TO-CENTER OR CLOSER. THEY SHALL EXTEND AT LEAST 2 FEET INTO THE GROUND AND EXTEND AT LEAST 2 FEET ABOVE GROUND. POSTS SHALL BE CONSTRUCTED OF HARDWOOD A MIN. DIAMETER THICKNESS OF 1 1/2 INCHES. 8. A METAL FENCE WITH 6 INCH OR SMALLER OPENINGS AND AT LEAST 2 FEET HIGH MAY BE UTILIZED, FASTENED TO THE FENCE POSTS, PROVIDE REINFORCEMENT AND SUPPORT TO THE GEOTEXTILE FABRIC WHERE SPACE FOR OTHER PRACTICES IS LIMITED AND HEAVY SEDIMENT 9. A GEOTEXTILE FABRIC, RECOMMENDED FOR SUCH USE BY THE MANUFACTURER, SHALL BE BURIED AT LEAST 6 INCHES DEEP IN THE GROUND. THE FABRIC SHALL EXTEND AT LEAST 2 FEET ABOVE GROUND. FABRIC MUST BE SECURELY FASTENED TO THE POSTS USING A SYSTEM CONSISTING OF METAL FASTENERS (NAILS OR STAPLES) AND HIGH STRENGTH REINFORCEMENT MATERIAL (NYLON WEBBING, GROMMETS, WASHERS ETC.) PLACED

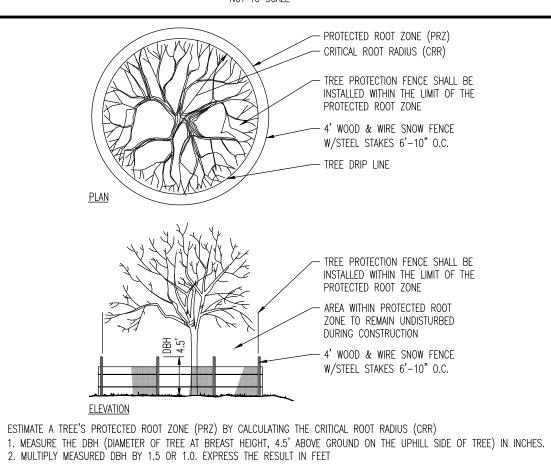


SILT FENCE DETAIL NOT TO SCALE

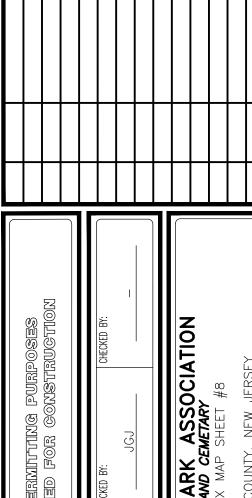
BETWEEN THE FASTENER AND THE GEOTEXTILE FABRIC. THE FASTENING SYSTEM SHALL RESIST TEARING AWAY FROM THE POST. THE FABRIC SHALL INCORPORATE A DRAWSTRING IN THE TOP PORTION OF THE FENCE FOR ADDED STRENGTH.

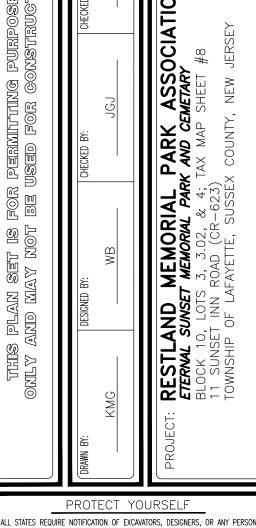






DBH x 1.5: CRITICAL ROOT RADIUS FOR OLDER, UNHFALTHY, OR SENSITIVE SPECIES. DBH x 1.0: CRITICAL ROOT RADIUS FOR YOUNGER, HEALTHY OR TOLERANT SPECIES. TREE PROTECTION DURING SITE CONSTRUCTION DETAIL





OR STATE SPECIFIC DIRECT PHONE NUMBERS VISI WWW.CALL811.COM

DYNAMIC **ENGINEERING** LAND DEVELOPMENT CONSULTING • PERMITTING GEOTECHNICAL • ENVIRONMENTAL

245 Main Street, Suite 110 Chester, NJ 07930

TRAFFIC • SURVEY • PLANNING & ZONING

T: 908.879.9229 | F: 908.879.0222

Offices conveniently located at: LAKE COMO, NEW JERSEY • T: 732.974.0198 CHESTER, NEW JERSEY • T: 908.879.9229 NEWARK, NEW JERSEY • T: 973.755.7200 TOMS RIVER, NEW JERSEY • T: 732.678,0000 NEWTOWN, PENNSYLVANIA • T: 267.685.0276 PHILADELPHIA, PENNSYLVANIA • T: 215.253.4888 BETHLEHEM, PENNSYLVANIA • T: 610.598.4400 ALLEN, TEXAS • T: 972.534.2100 HOUSTON, TEXAS • T: 281,789,6400

WILLIAM BORD

AUSTIN, TEXAS • T: 512.646.2646

DELRAY BEACH, FLORIDA • T: 561.921.8570

www.dynamicec.com

PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 42042

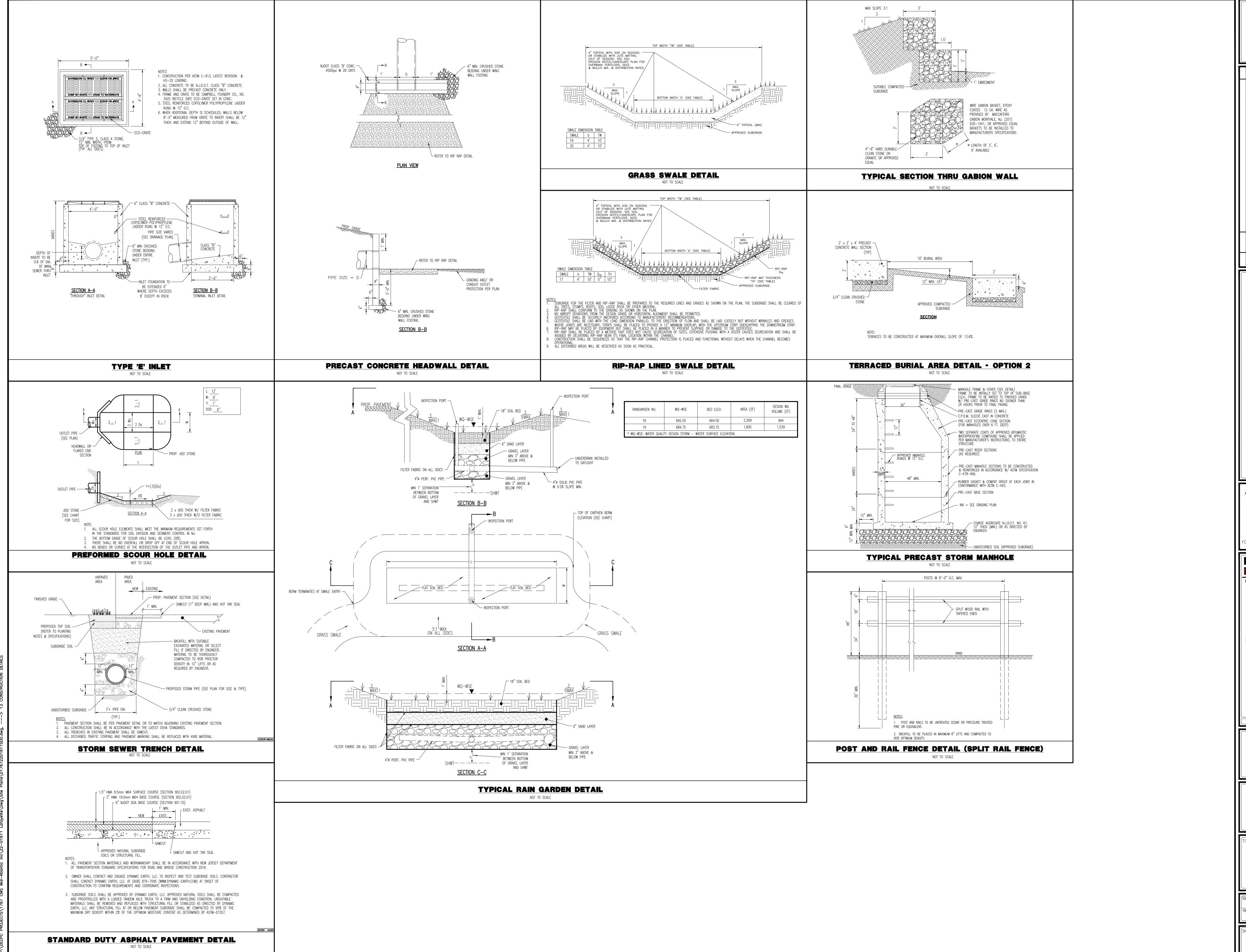
JOSEPH G. JAWORSKI

PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 36618

SOIL EROSION AND SEDIMENT CONTROL NOTES AND DETAILS

1767-22-01611

11/30/2022



BY NAMIC SURVEY - TRAFFIC SURVEY - TRAFFIC

REV. DATE COMMENTS

THUS PLAN SET IS FOR PERMITTING PURPOSES

ONLY AND MAY NOT BE USED FOR CONSTRUCTION

KMC

DRAWN BY:

KMC

WB

JGJ

PROJECT: RESTLAND MEMORIAL PARK ASSOCIATION

ETERNAL SUNSET MEMORIAL PARK AND CEMETARY

BLOCK 10, LOTS 3, 3.02, & 4; TAX MAP SHEET #8

11 SUNSET INN ROAD (CR-623)

PROTECT YOURSELF

ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE

Know what's below Call before you dg.

FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISITED WWW.CALL811.COM

DYNAMIC
ENGINEERING

LAND DEVELOPMENT CONSULTING • PERMITTING
GEOTECHNICAL • ENVIRONMENTAL
TRAFFIC • SURVEY • PLANNING & ZONING

245 Main Street, Suite 110 Chester, NJ 07930

T: 908.879.9229 | F: 908.879.0222

Offices conveniently located at:

LAKE COMO. NEW JERSEY • 1: 732.974.0198

Diffices conveniently located at:

LAKE COMO, NEW JERSEY • T: 732,974,0198

CHESTER, NEW JERSEY • T: 908,879,9229

NEWARK, NEW JERSEY • T: 973,755,7200

TOMS RIVER, NEW JERSEY • T: 732,678,0000

NEWTOWN, PENNSYLVANIA • T: 267,685,0276

PHILADELPHIA, PENNSYLVANIA • T: 215,253,4888

BETHLEHEM, PENNSYLVANIA • T: 610,598,4400

ALLEN, TEXAS • T: 972,534,2100

HOUSTON, TEXAS • T: 281,789,6400

AUSTIN, TEXAS • T: 512,646,2646

DELRAY BEACH, FLORIDA • T: 561,921,8570

WILLIAM BORD

www.dynamicec.com

PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 42042

JOSEPH G. JAWORSKI

PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 36618

TI C.

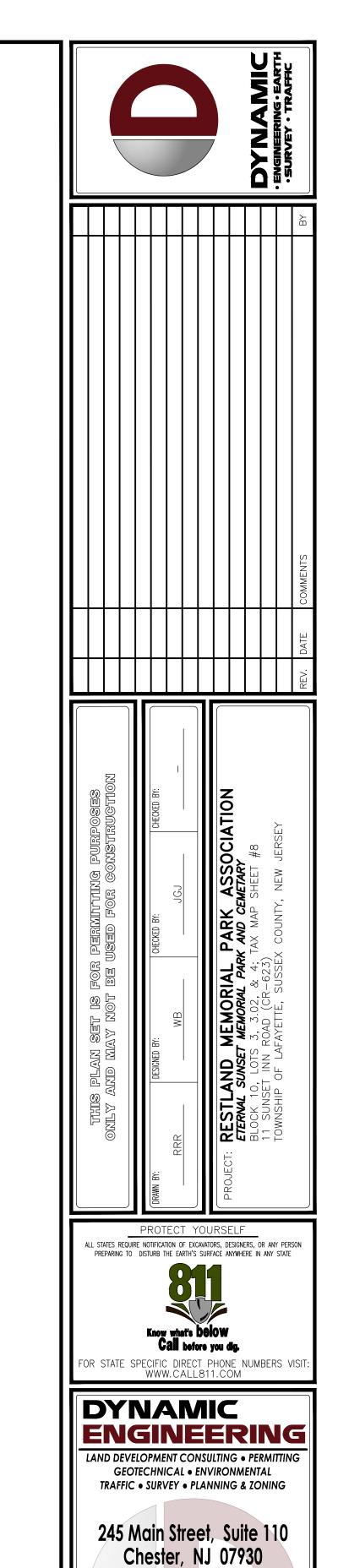
CONSTRUCTION DETAILS

SCALE: (H) AS (V) SHOWN DATE: 11/30/2022

PROJECT No: 1767-22-01611

13





T: 908.879.9<mark>229 | F: 908.879.0222</mark>

Offices conveniently located at: LAKE COMO, NEW JERSEY • T: 732.974.0198

CHESTER, NEW JERSEY • T: 908.879.9229

NEWARK, NEW JERSEY • T: 973.755.7200

TOMS RIVER, NEW JERSEY • T: 732.67.685.0276 PHILADELPHIA, PENNSYLVANIA • T: 215.253.4888 BETHLEHEM, PENNSYLVANIA • T: 610.598.4400 ALLEN, TEXAS • T: 972.534.2100 HOUSTON, TEXAS • T: 281.789.6400

WILLIAM BORD

PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 42042

JOSEPH G. JAWORSKI

PROFESSIONAL ENGINEER new jersey license no. 36618

EXISTING STEEP SLOPES

11/30/2022 PROJECT No: 1767-22-01611

