PRELIMINARY AND FINAL MAJOR SITE PLAN

FOR

B9 COTTONTAIL OWNER, LLC PROPOSED INDUSTRIAL DEVELOPMENT

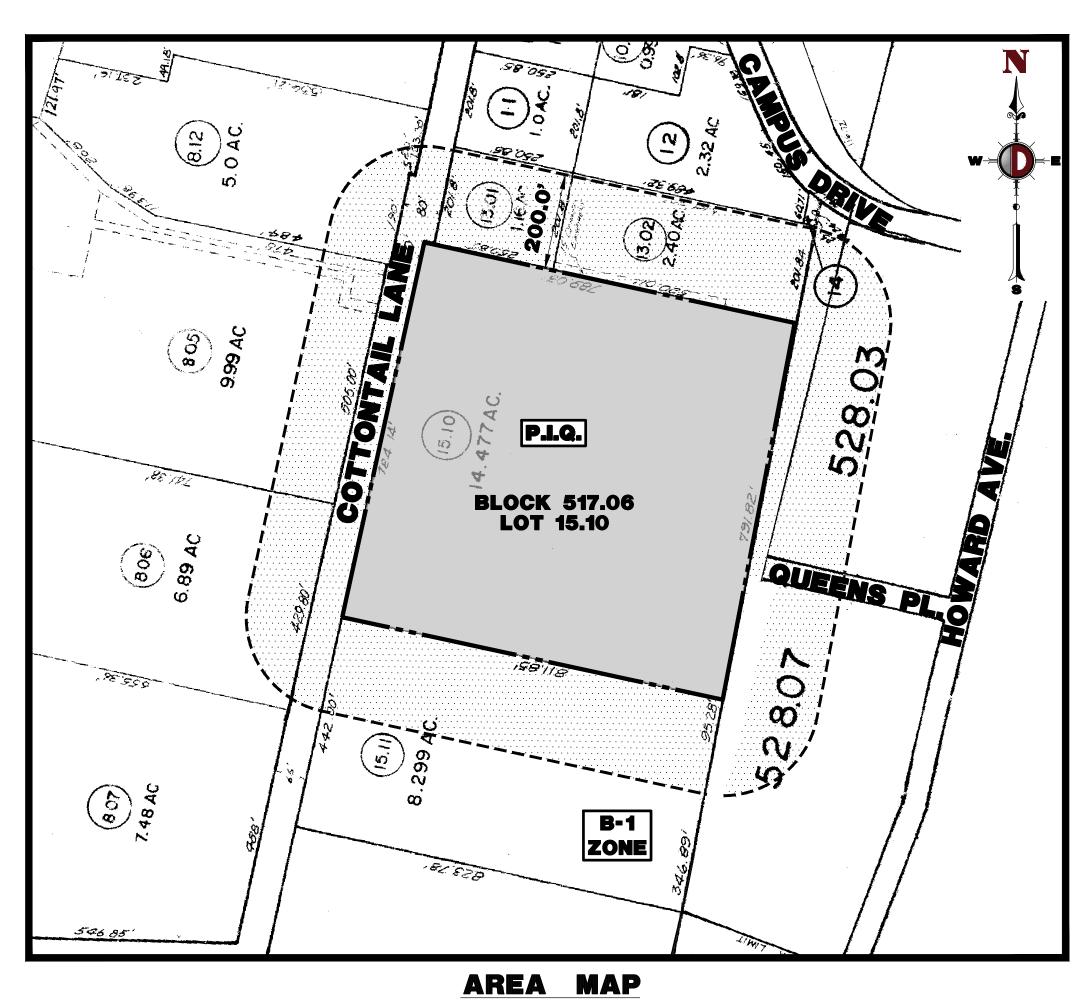
BLOCK 517.06, LOT 15.10; TAX MAP SHEET #93 - LATEST REV. DATED 12-27-01 200 COTTONTAIL LANE TOWNSHIP OF FRANKLIN SOMERSET COUNTY, NEW JERSEY

200' PROPERTY OWNERS LIST

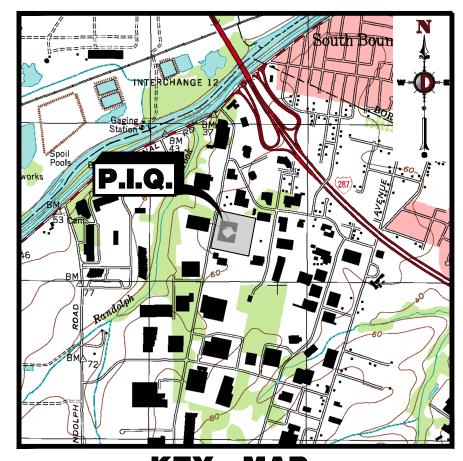
PROPERTY OWNER	<u>BLOCK</u>	<u>LOT</u>
LRF 1 CAMPUS DR LLC C/O LONGPOINT PROP. 13218 WEST BROWARD BLVD. PLANTATION, FL 33325	517.06	13.02
IRON MOUNTAIN INFO MGMT LLC C/O RE DEPT ONE FEDERAL STREET BOSTON, MA 02110	528.07	164
NJBW GROUP LLC 214 W. MOUNT PLEASANT AVE LIVINGSTON, NJ 07039	528.03	169.03, 169.02
HSU PROPERTY HOLDINGS, LLC 400 COTTONTAIL LA SOMERSET, NJ 08873	517.06	15.11
CSEPLI, JULIUS JR. & MELISSA A 405 QUEENS PL SOMERSET, NJ 08873	528.03	188
M-AFFILIATES & ELKINS ENTERPRISES ONE BRIDGE PLAZA - STE 660 FORT LEE, NJ 07024 8.12	517.01	8.05, 8.07,
VGS HOLDINGS, INC. C/O ATTN: ARSHAD, K 400 CAMPUS DR SOMERSET, NJ 08873	517.06	9.01
AACTFR PROPERTY LLC 5 TENAFLY RD - STE 416 ENGLEWOOD, NJ 07631	517.01	8.06

DATE

ALSO TO BE NOTIFIED:



1" = 200'



KEY MAP 1" = 2000'

DRAWING INDE	X
COVER SHEET	1 of 27
AERIAL MAP	2 of 27
DEMOLITION & TREE MANAGEMENT PLAN	3 of 27
OVERALL SITE PLAN	4 of 27
SITE PLAN 'A'	5 of 27
SITE PLAN 'B'	6 of 27
GRADING PLAN 'A'	7 of 27
GRADING PLAN 'B'	8 of 27
DRAINAGE PLAN 'A'	9 of 27
DRAINAGE PLAN 'B'	10 of 27
UTILITY PLAN 'A'	11 of 27
UTILITY PLAN 'B'	12 of 27
LANDSCAPING PLAN	13 of 27
LIGHTING PLAN	14 of 27
SOIL EROSION & SEDIMENT CONTROL PLAN	15 of 27
SOIL MANAGEMENT & PREPARATION PLAN	16 of 27
SOIL EROSION & SEDIMENT CONTROL NOTES & DETAILS	17 of 27
CONSTRUCTION DETAILS	18 of 27
CONSTRUCTION DETAILS	19 of 27
CONSTRUCTION DETAILS	20 of 27
FRANKLIN TOWNSHIP CONSTRUCTION DETAILS	21 of 27
FRANKLIN TOWNSHIP CONSTRUCTION DETAILS	22 of 27
FRANKLIN TOWNSHIP SEWERAGE AUTHORITY DETAILS	23 of 27
FRANKLIN TOWNSHIP SEWERAGE AUTHORITY DETAILS	24 of 27
FRANKLIN TOWNSHIP SEWERAGE AUTHORITY DETAILS	25 of 27
VEHICLE CIRCULATION (WB-67)	26 of 27
VEHICLE CIRCULATION (FIRE TRUCK)	27 of 27

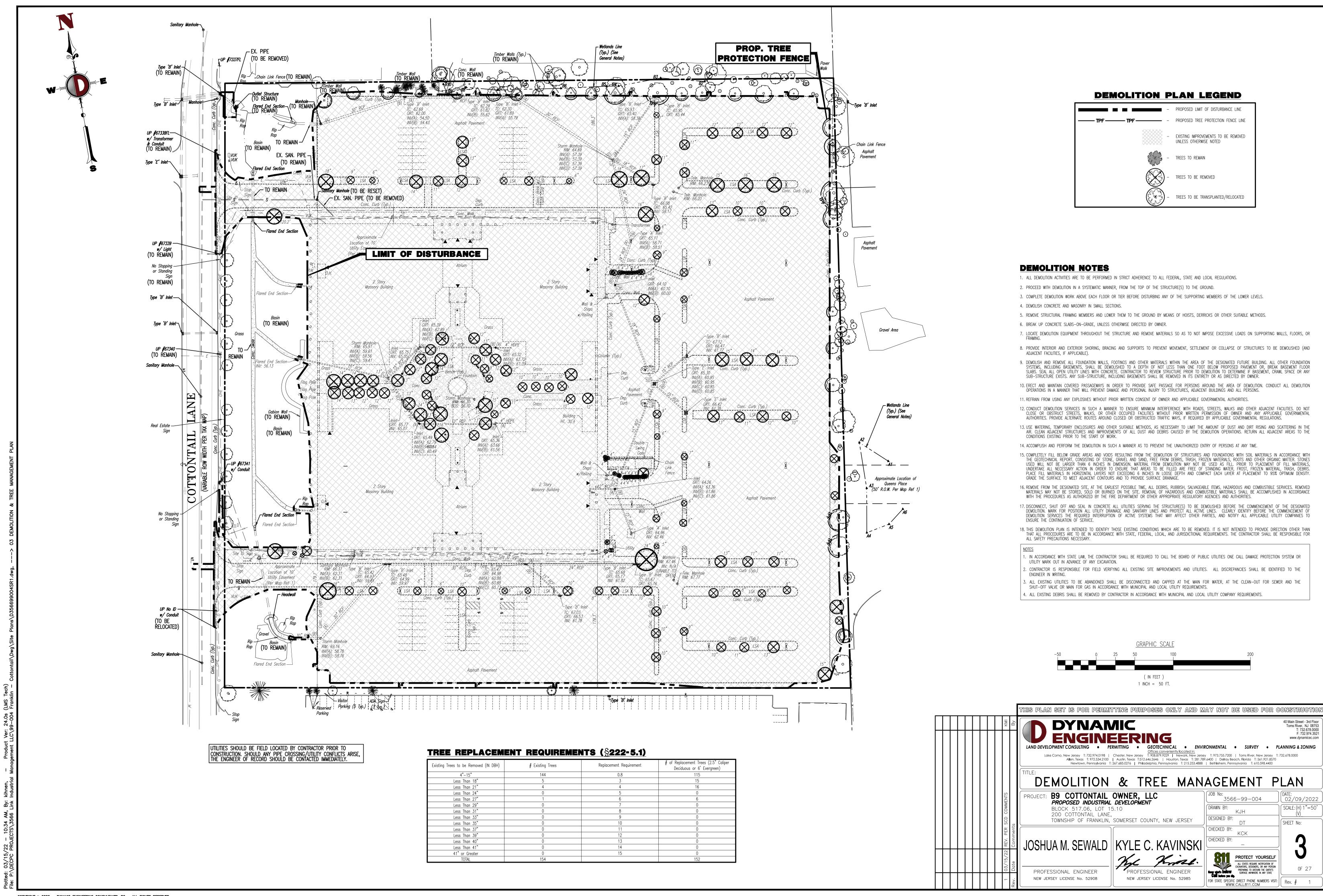
PLANNING BOARD APPROVAL

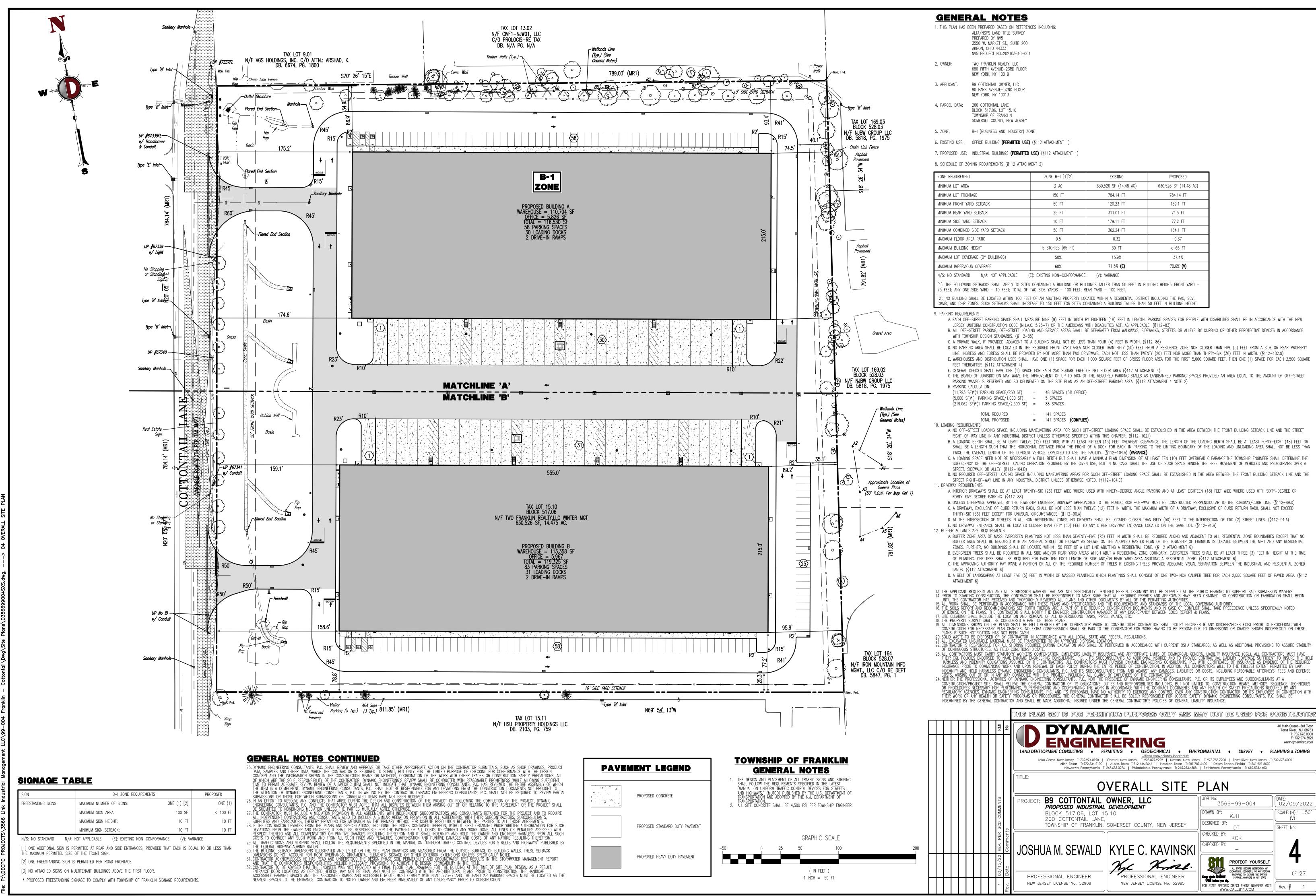
PREPARED BY DYNAMIC ENGINEERING CONSULTANTS, P.C. 40 MAIN STREET, 3RD FLOOR TOMS RIVER, NJ 08753 WWW.DYNAMICEC.COM

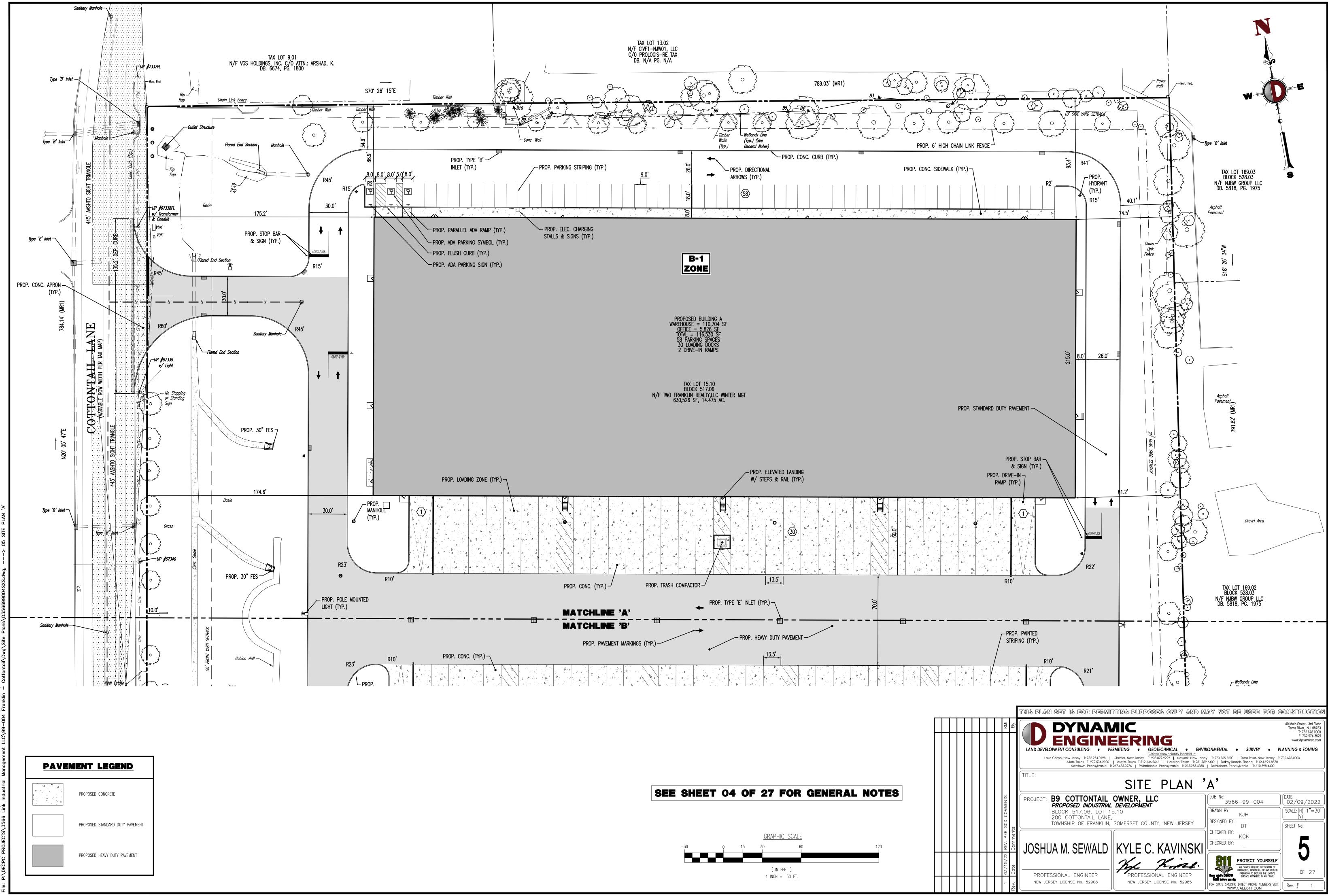
	this plan set is for permitting purposes only and m	lay not be used for construction
KMI	DYNAMIC ENGINEERING LAND DEVELOPMENT CONSULTING • PERMITTING • GEOTECHNICAL • ENVI. Offices conveniently located in: Lake Como, New Jersey T: 732.974.0198 Chester, New Jersey T: 908.879.9229 Newark, New Jersey Allen, Texas T: 972.534.2100 Austin, Texas T: 512.646.2646 Houston, Texas T: 281.78 Newtown, Pennsylvania T: 267.685.0276 Philadelphia, Pennsylvania T: 215.253.4888	9.6400 Delray Beach, Florida T: 561.921.8570
	COVER SHEE	
SCD COMMENTS	PROJECT: B9 COTTONTAIL OWNER, LLC PROPOSED INDUSTRIAL DEVELOPMENT BLOCK 517.06, LOT 15.10 200 COTTONTAIL LANE, TOWNSHIP OF FRANKLIN, SOMERSET COUNTY, NEW JERSEY	DATE: 02/09/2022 DRAWN BY: KJH
REV. PER S		CHECKED BY: CHECKED BY: CHECKED BY:
03/15/22 Date	PROFESSIONAL ENGINEER PROFESSIONAL ENGINEER PROFESSIONAL ENGINEER	PROTECT YOURSELF ALL STATES REQUIRE NOTIFICATION OF EXCANATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE AMPHIFER IN ANY STATE
	NEW JERSEY LICENSE No. 52908 NEW JERSEY LICENSE No. 52985	FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

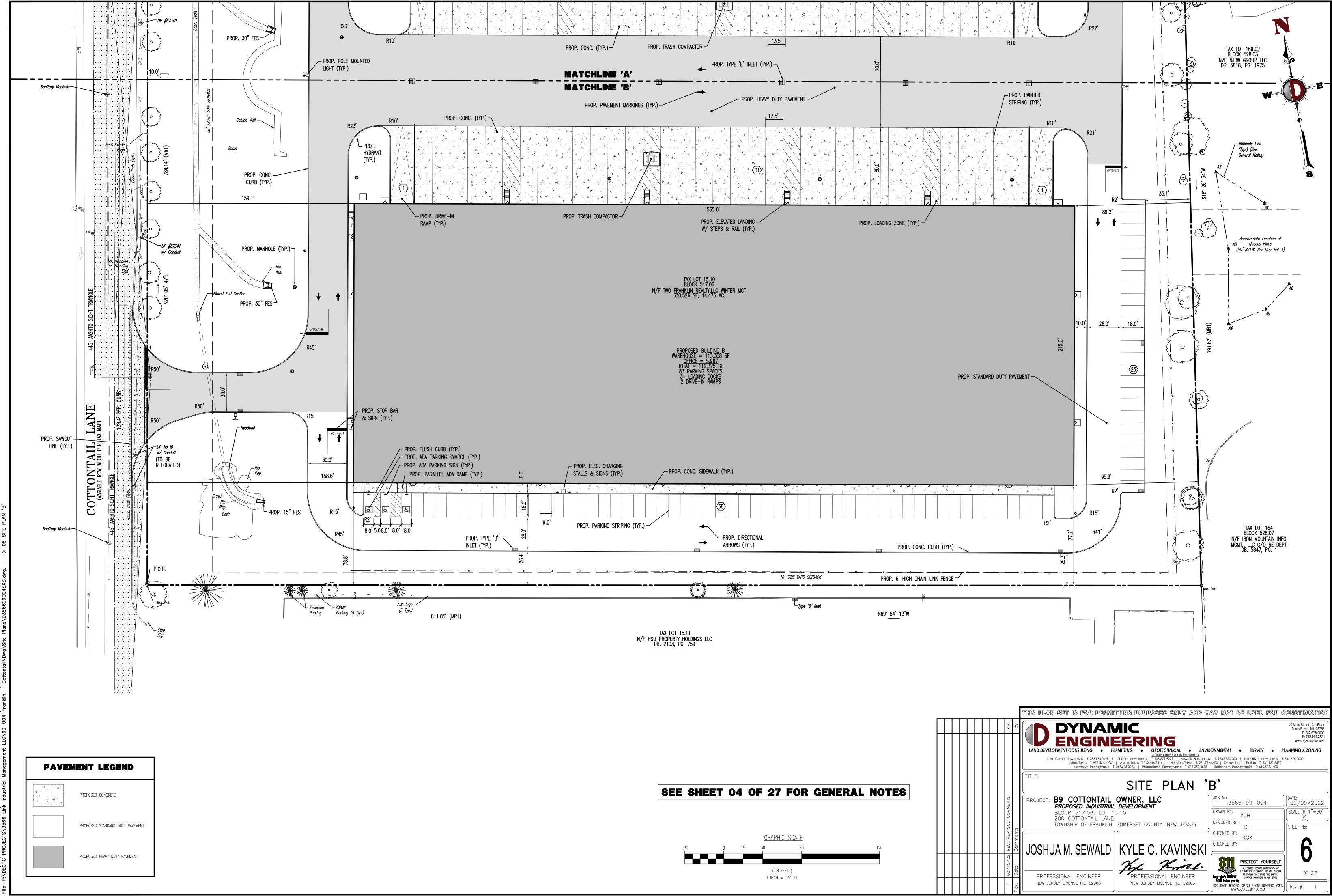
BOARD ENGINEER

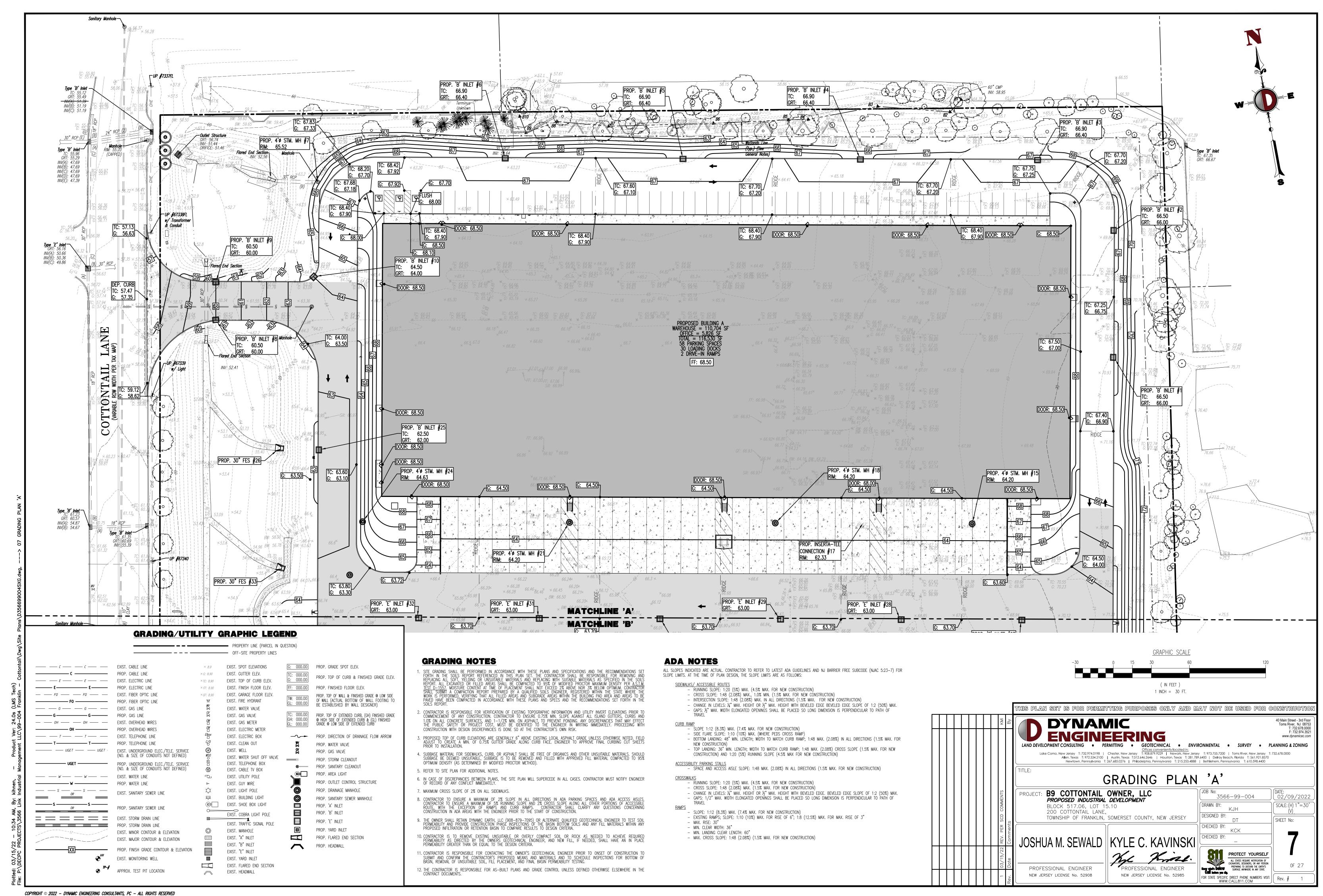


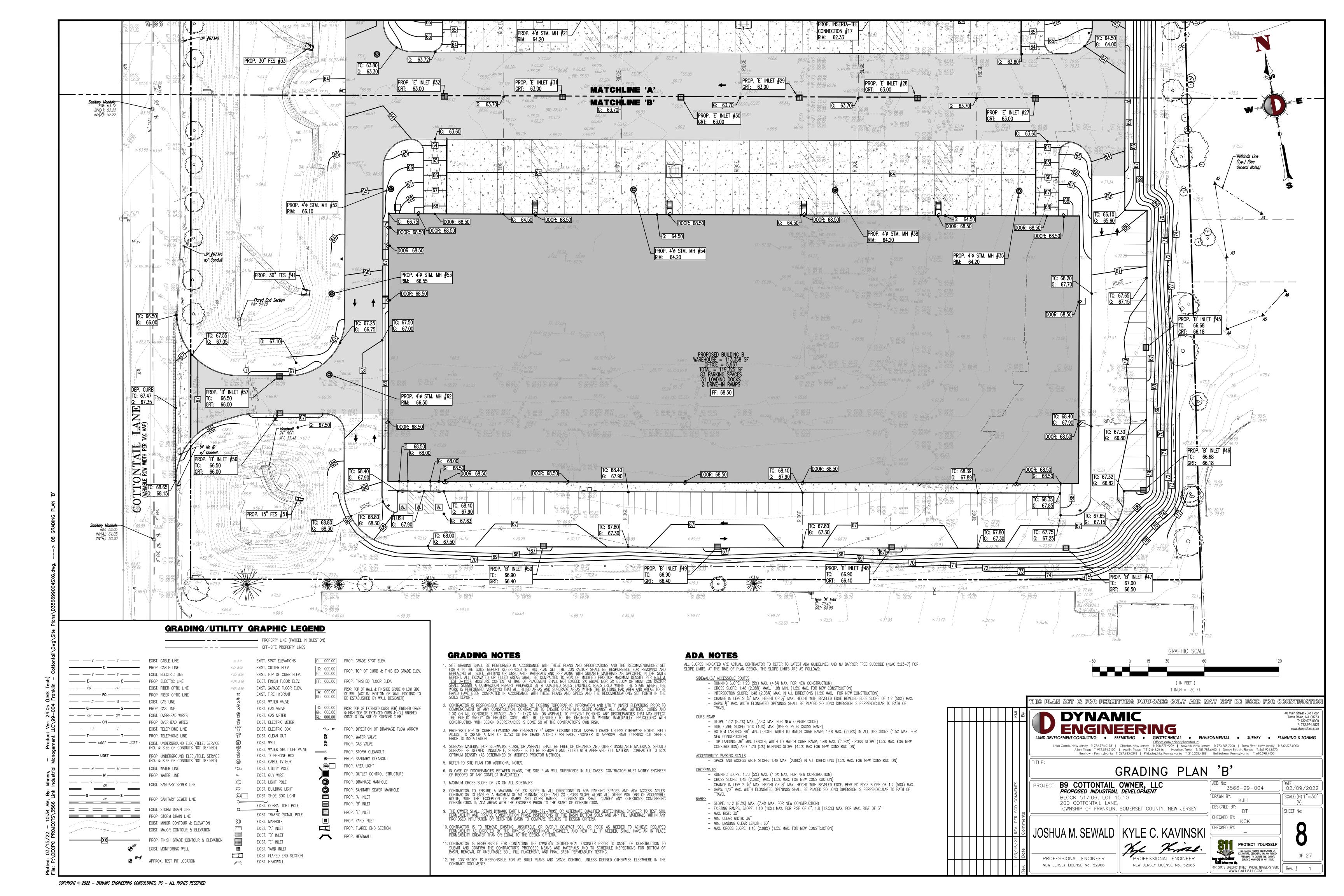


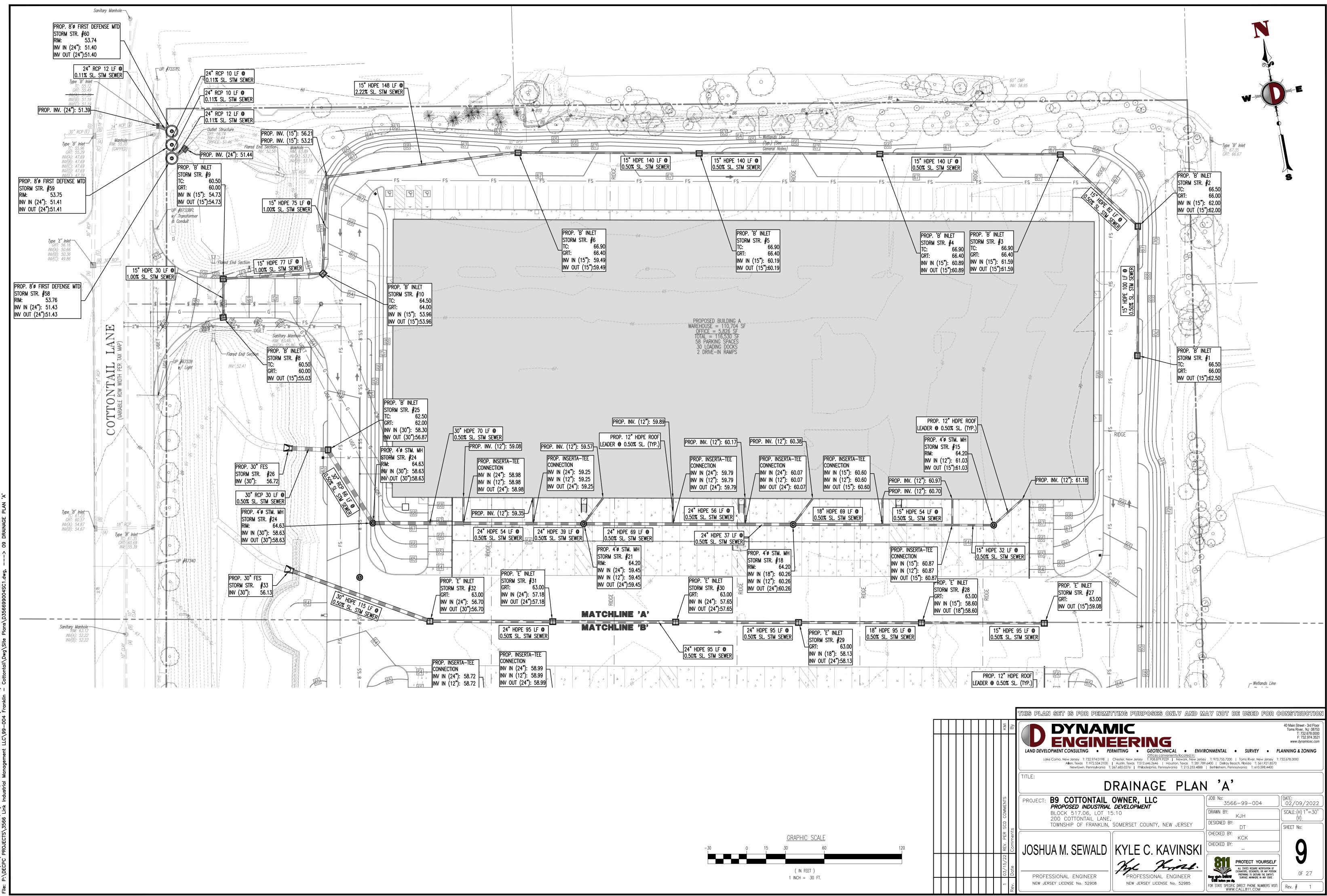


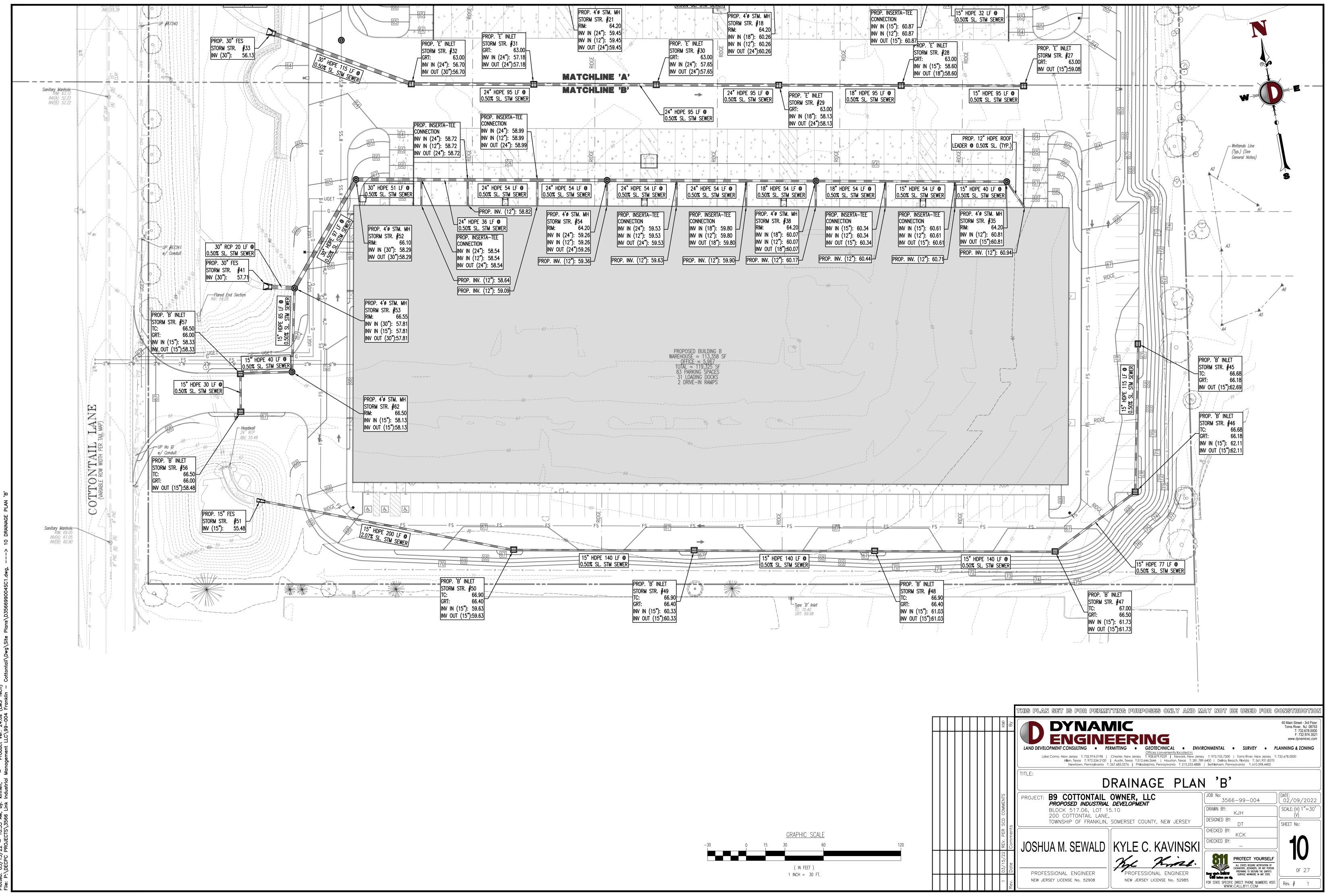


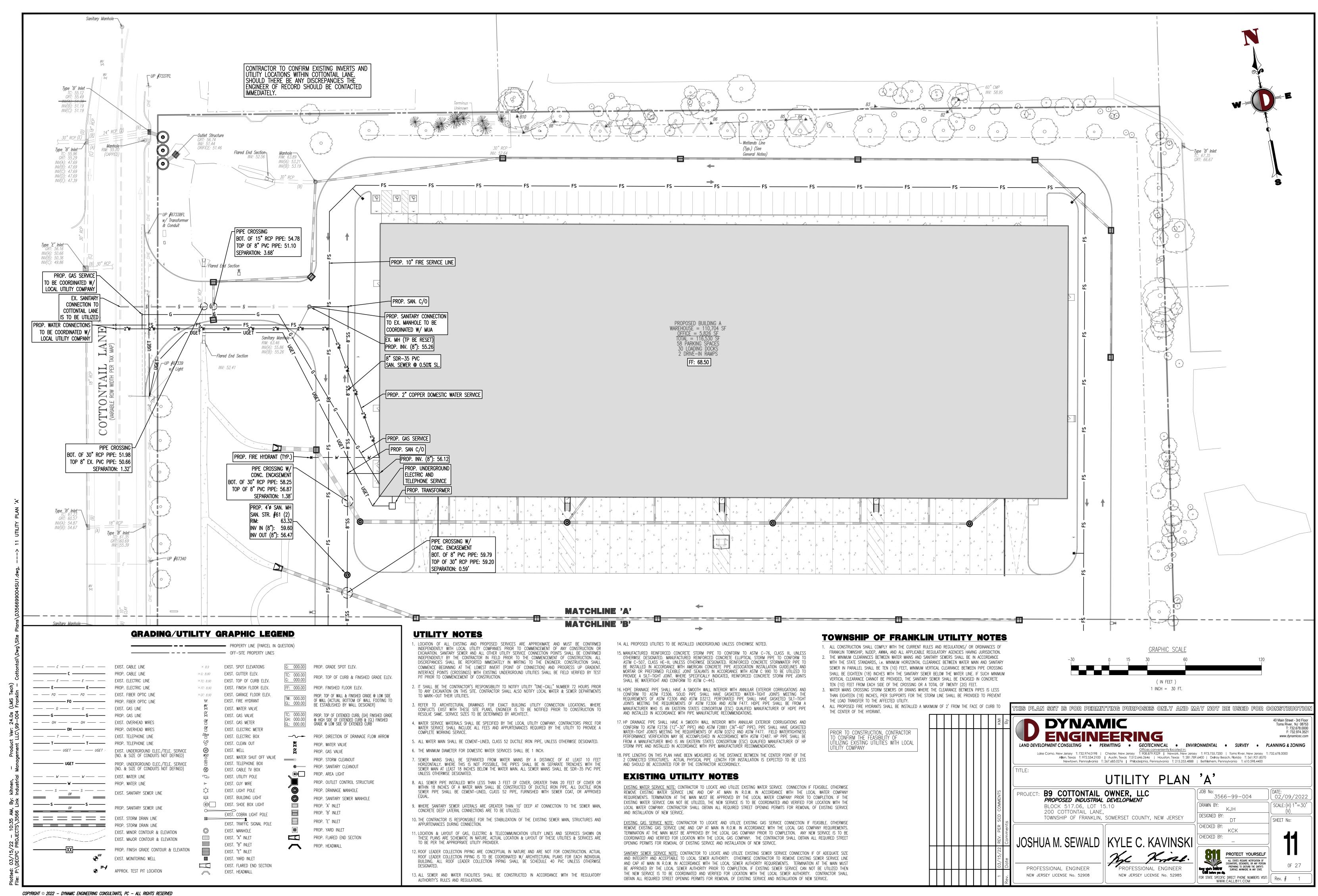


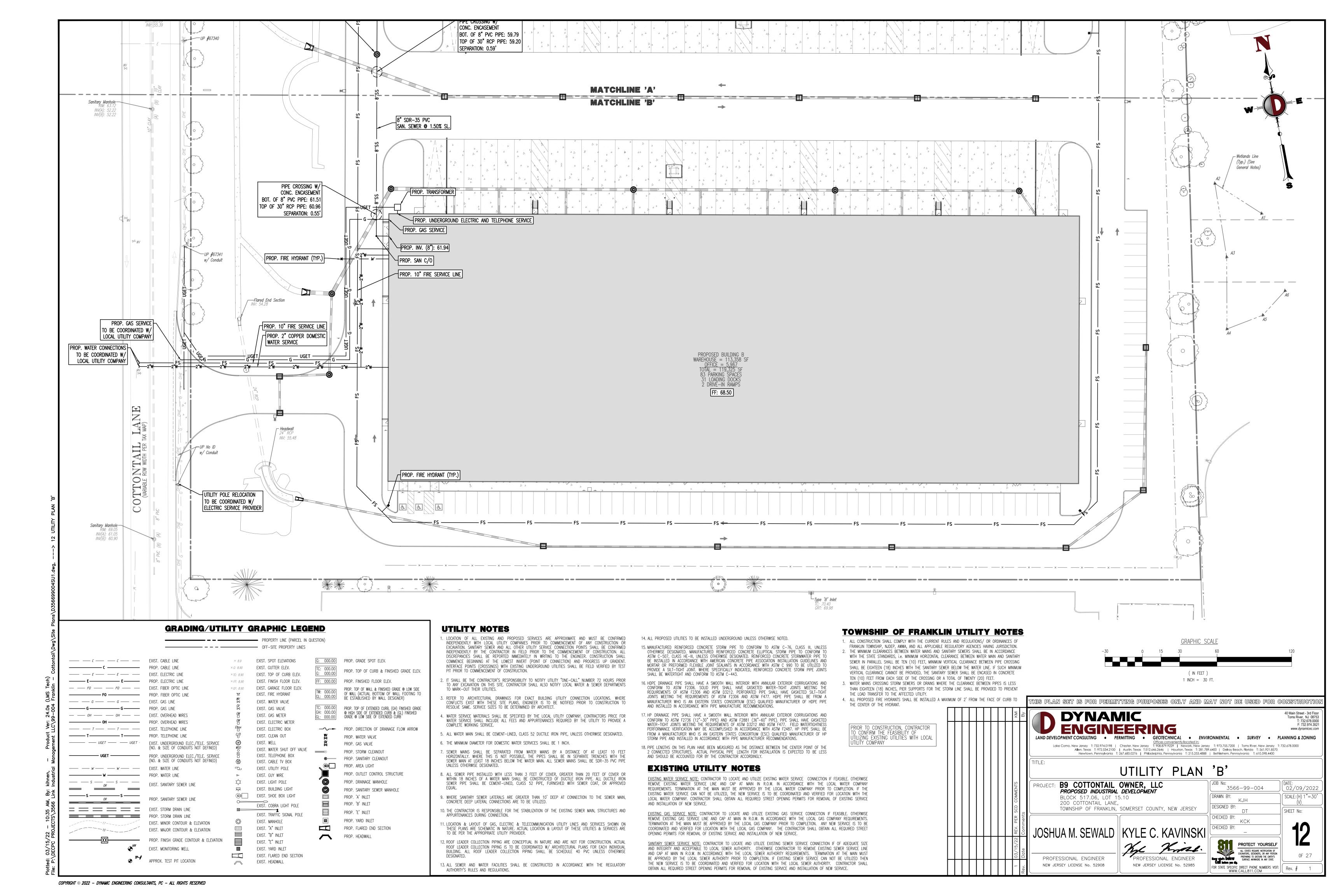


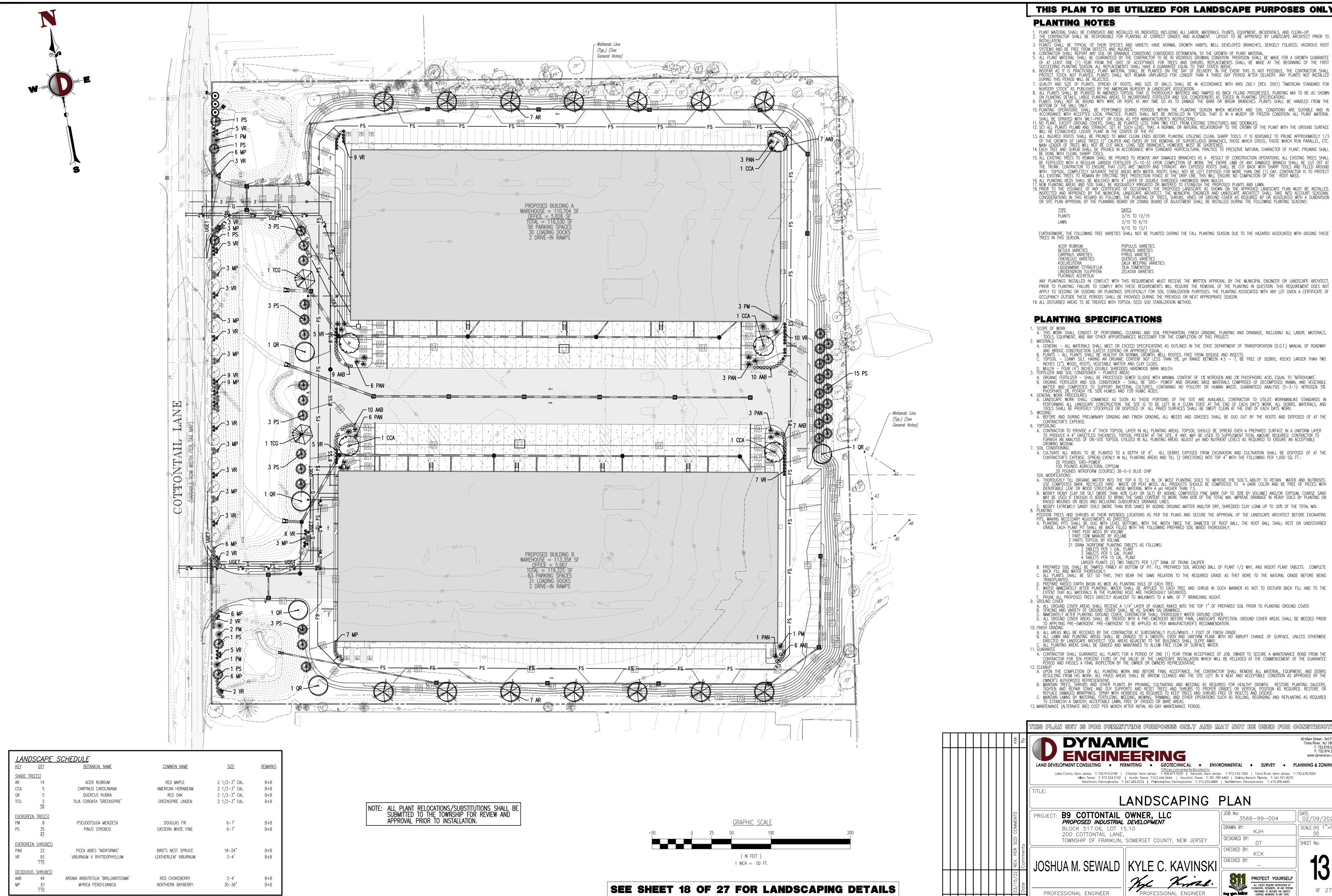












THIS PLAN TO BE UTILIZED FOR LANDSCAPE PURPOSES ONLY

INSTALLATION.

3. PLANTS SHALL BE TYPICAL OF THEIR SPECIES AND VARIETY; HAVE NORMAL GROWTH HABITS; WELL DEVELOPED BRANCHES, DENSELY FOLIATED, VIGOROUS ROOT SYSTEMS AND BE FREE FROM DEFECTS AND INJURIES.

4. CONTRACTOR SHALL REPORT ANY SOIL OR DRAINAGE CONDITIONS CONSIDERED DETRIMENTAL TO THE GROWTH OF PLANT MATERIAL.

5. ALL PLANT MATERIAL SHALL BE GUARANTEED BY THE CONTRACTOR TO BE IN VIGOROUS GROWING CONDITION. PROVISION SHALL BE MADE FOR A GROWTH GUARANTEE OF AT LEAST ONE (1) YEAR FROM THE DATE OF ACCEPTANCE FOR TREES AND SHRUBS. REPLACEMENTS SHALL BE MADE AT THE BEGINNING OF THE FIRST SUCCEEDING PLANTING SEASON. ALL REPLACEMENTS SHALL HAVE A GUARANTEE EQUAL TO THAT STATED ABOVE.

6. INSOFAR AS IT IS PRACTICABLE, PLANT MATERIAL SHALL BE PLANTED ON THE DAY OF DELIVERY. IN THE EVENT THIS IS NOT POSSIBLE, THE CONTRACTOR SHALL PROTECT STOCK NOT PLANTED. PLANTS SHALL NOT REMAIN UNPLANTED FOR LONGER THAN A THREE DAY PERIOD AFTER DELIVERY. ANY PLANTS NOT INSTALLED DURING THIS PERIOD WILL BE REJECTED.

7. OLIALITY AND SIZE OF PLANTS SPREAD OF ROOTS AND SIZE OF BALLS SHALL BE IN ACCORDANCE WITH ANSL 760.1 (REV. 2001) "AMERICAN STANDARD FOR QUALITY AND SIZE OF PLANTS, SPREAD OF ROOTS, AND SIZE OF BALLS SHALL BE IN ACCORDANCE WITH ANSI Z60.1 (REV. 2001) "AMERICAN STANDARD FOR

. QUALITY AND SIZE OF PLANTS, SPREAD OF ROOTS, AND SIZE OF BALLS SHALL BE IN ACCURDANCE WITH ANSI ZOU.1 (REV. ZOU.1) AMERICAN STANDARD FOR NURSERY STOCK" AS PUBLISHED BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION.

1. ALL PLANTS SHALL BE PLANTED IN AMENDED TOPSOIL THAT IS THOROUGHLY WATERED AND TAMPED AS BACK FILLING PROGRESSES. PLANTING MIX TO BE AS SHOWN ON PLANTING DETAILS. LARGE PLANTING AREAS TO INCORPORATE FERTILIZER AND SOIL CONDITIONERS AS STATED IN PLANTING SPECIFICATIONS.

3. PLANTS SHALL NOT BE BOUND WITH WIRE OR ROPE AT ANY TIME SO AS TO DAMAGE THE BARK OR BREAK BRANCHES. PLANTS SHALL BE HANDLED FROM THE BOTTOM OF THE BALL ONLY.

3. PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND IN ACCORDANCE WITH ACCEPTED LOCAL PRACTICE. PLANTS SHALL NOT BE INSTALLED IN TOPSOIL THAT IS IN A MUDDY OR FROZEN CONDITION. ALL PLANT MATERIAL COLORS.

WILL DE ESTABLISHED. LOCATE PLANT IN THE CENTER OF THE PTI.

13. ALL INJURED ROOTS SHALL BE PRUNED TO MAKE CLEAN ENDS BEFORE PLANTING UTILIZING CLEAN, SHARP TOOLS. IT IS ADVISABLE TO PRUNE APPROXIMATELY 1/3

OF THE GROWTH OF LARGE TREES (2" CALIPER AND OVER) BY THE REMOVAL OF SUPERFLUOUS BRANCHES, THOSE WHICH CROSS, THOSE WHICH RUN PARALLEL, ETC.

MAIN LEADER OF TREES WILL NOT BE CUT BACK. LONG SIDE BRANCHES, HOWEVER, MUST BE SHORTENED.

14. EACH TREE AND SHRUB SHALL BE PRUNED IN ACCORDANCE WITH STANDARD HORTICULTURAL PRACTICE TO PRESERVE NATURAL CHARACTER OF PLANT. PRUNING SHALL

BE DONE WITH CLEAN, SHARP TOOLS. EXISTING TREES TO REMAIN SHALL BE PRUNED TO REMOVE ANY DAMAGED BRANCHES AS A RESULT OF CONSTRUCTION OPERATIONS. ALL EXISTING TREES SHALL FERTILIZED WITH A REGULAR GARDEN FERTILIZER (5—10—5) UPON COMPLETION OF WORK. THE ENTIRE LIMB OF ANY DAMAGED BRANCH SHALL BE CUT OFF A IE TRUNK. CONTRACTOR TO ENSURE THAT CUTS ARE SMOOTH AND STRAIGHT. ANY EXPOSED ROOTS SHALL BE CUT BACK WITH SHARP TOOLS AND FILLED AROUNL

WITH TOPSOIL COMPLETELY SATURATE THESE AREAS WITH WATER. ROOTS SHALL NOT BE LEFT EXPOSED FOR MORE THAN ONE (1) DAY. CONTRACTOR IS TO PROTECT ALL EXISTING TREES TO REMAIN BY ERECTING TREE PROTECTION FENCE AT THE DRIP LINE. THIS WILL ENSURE NO COMPACTION OF THE ROOT MASS.

16. ALL PLANTING BEDS SHALL BE MULCHED WITH 4" LAYER OF DOUBLE SHREDDED HARDWOOD BARK MULCH.

17. NEW PLANTING AREAS AND SOD SHALL BE ADEQUATELY IRRIGATED OR WATERED TO ESTABLISH THE PROPOSED PLANTS AND LAWN.

18. PRIOR TO THE ISSUANCE OF ANY CERTIFICATE OF OCCUPANCY, THE PROPOSED LANDSCAPE AS SHOWN ON THE APPROVED LANDSCAPE PLAN MUST BE INSTALLED, INSPECTED AND APPROVED BY THE MUNICIPAL LANDSCAPE ARCHITECT. THE MUNICIPAL ENGINEER AND LANDSCAPE ARCHITECT SHALL TAKE INTO ACCOUNT SEASONAL CONSIDERATIONS IN THIS REGARD AS FOLLOWS. THE PLANTING OF TREES, SHRUBS, VINES OR GROUND COVER AS REQUIRED BY OR ASSOCIATED WITH A SUBDIVISION OR SITE PLAN APPROVAL BY THE PLANNING BOARD OR ZONING BOARD OF ADJUSTMENT SHALL BE INSTALLED DURING THE FOLLOWING PLANTING SEASONS:

FURTHERMORE, THE FOLLOWING TREE VARIETIES SHALL NOT BE PLANTED DURING THE FALL PLANTING SEASON DUE TO THE HAZARDS ASSOCIATED WITH DIGGING THESE TREES IN THIS SEASON.

ANY PLANTINGS INSTALLED IN CONFLICT WITH THIS REQUIREMENT MUST RECEIVE THE WRITTEN APPROVAL BY THE MUNICIPAL ENGINEER OR LANDSCAPE ARCHITECT, PRIOR TO PLANTING. FAILURE TO COMPLY WITH THESE REQUIREMENTS WILL REQUIRE THE REMOVAL OF THE PLANTING IN QUESTION. THIS REQUIREMENT DOES NOT APPLY TO SEEDING OR SODDING OR PLANTINGS SPECIFICALLY FOR SOIL STABILIZATION PURPOSES. THE PLANTING ASSOCIATED WITH ANY LOT GIVEN A CERTIFICATE OF OCCUPANCY OUTSIDE THESE PERIODS SHALL BE PROVIDED DURING THE PREVIOUS OR NEXT APPROPRIATE SEASON.

THIS WORK SHALL CONSIST OF PERFORMING, CLEARING AND SOIL PREPARATION, FINISH GRADING, PLANTING AND DRAINAGE, INCLUDING ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT. MATERIALS
 A. GENERAL - 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 EQUAL.
 B. PLANTS - ALL PLANTS SHALL BE HEALTHY OR NORMAL GROWTH, WELL ROOTED, FREE FROM DISEASE AND INSECTS.
 C. TOPSOIL - LOAMY SILT, HAVING AN ORGANIC CONTENT NOT LESS THAN 5%, pH RANGE BETWEEN 4.5 - 7, BE FREE OF DEBRIS, ROCKS LARGER THAN TWO INCHES (2"), WOOD, ROOTS, VEGETABLE MATTER AND CLAY CLODS.
 D. MULCH - FOUR (4") INCHES DOUBLE SHREDDED HARDWOOD BARK MULCH.
 FERTILIZER AND SOIL CONDITIONER - PLANTED AREAS
 A. ORGANIC FERTILIZER - SHALL BE PROCESSED SEWER SLUDGE WITH MINIMAL CONTENT OF 1% NITROGEN AND 2% PHOSPHORIC ACID, EQUAL TO 'NITROHUMIS'.
 B. ORGANIC FERTILIZER AND SOIL CONDITIONER - SHALL BE 'GRO- POWER' AND ORGANIC BASE MATERIALS COMPRISED OF DECOMPOSED ANIMAL AND VEGETABLE MATTER AND COMPOSTED TO SUPPORT BACTERIAL CULTURES, CONTAINING NO POULTRY OR HUMAN WASTE. GUARANTEED ANALYSIS (5-3-1): NITROGEN 5%. PHOSPHATE 3%, POTASH 1%. 50% HUMUS AND 15% HUMIC ACIDS.
 4. GENERAL WORK PROCEDURES
 A. LANDSCAPE WORK SHALL COMMENCE AS SOON AS THOSE PORTIONS OF THE SITE ARE AVAILABLE. CONTRACTOR TO UTILIZE WORKMANLIKE STANDARDS IN PERFORMING ALL LANDSCAPE CONSTRUCTION. THE SITE IS TO BE LEFT IN A CLEAN STATE AT THE END OF EACH DAY'S WORK. ALL DEBRIS, MATERIALS, AND

PERFORMING ALL LANDSCAPE CONSTRUCTION. THE SITE IS TO BE LEFT IN A CLEAN STATE AT THE END OF EACH DAY'S WORK. ALL DEBRIS, MATERIALS, AND TOOLS SHALL BE PROPERLY STOCKPILED OR DISPOSED OF. ALL PAVED SURFACES SHALL BE SWEPT CLEAN AT THE END OF EACH DAY'S WORK. 5. WEEDING
A. BEFORE AND DURING PRELIMINARY GRADING AND FINISH GRADING, ALL WEEDS AND GRASSES SHALL BE DUG OUT BY THE ROOTS AND DISPOSED OF AT THE

A. 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 PRODUCE A 4" UNSETTLED THICKNESS. TOPSOIL PRESENT AT THE SITE, IF ANY, MAY BE USED TO SUPPLEMENT TOTAL AMOUNT REQUIRED. CONTRACTOR TO FURNISH AN ANALYSIS OF ON—SITE TOPSOIL UTILIZED IN ALL PLANTING AREAS. ADJUST pH AND NUTRIENT LEVELS AS REQUIRED TO ENSURE AN ACCEPTABLE

A. CULTIVATE ALL AREAS TO BE PLANTED TO A DEPTH OF 6". ALL DEBRIS EXPOSED FROM EXCAVATION AND CULTIVATION SHALL BE DISPOSED OF AT THE CONTRACTOR'S EXPENSE. SPREAD EVENLY IN ALL PLANTING AREAS AND TILL (2 DIRECTIONS) INTO TOP 4" WITH THE FOLLOWING PER 1,000 SQ. FT.:

A. THOROUGHLY TILL ORGANIC MATTER INTO THE TOP 6 TO 12 IN. OF MOST PLANTING SOILS TO IMPROVE THE SOIL'S ABILITY TO RETAIN WATER AND NUTRIENTS.
USE COMPOSTED BARK, RECYCLED YARD WASTE OR PEAT MOSS. ALL PRODUCTS SHOULD BE COMPOSTED TO A DARK COLOR AND BE FREE OF PIECES WITH IDENTIFIABLE LEAF OR WOOD STRUCTURE. AVOID MATERIAL WITH A pH HIGHER THAN 7.5. B. MODIFY HEAVY CLAY OR SILT (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE BARK (UP TO 30% BY VOLUME) AND/OR GYPSUM. COARSE SAND MAY BE USED IF ENOUGH IS ADDED TO BRING THE SAND CONTENT TO MORE THAN 60% OF THE TOTAL MIX. IMPROVE DRAINAGE IN HEAVY SOILS BY PLANTING ON RAISED MOUNDS OR BEDS AND INCLUDING SUBSURFACE DRAINAGE LINES. . MODIFY EXTREMELY SANDY SOILS (MORE THAN 85% SAND) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL MIX.

PLANTING
POSITION TREES AND SHRUBS AT THEIR INTENDED LOCATIONS AS PER THE PLANS AND SECURE THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE EXCAVATING
PITS, MAKING NECESSARY ADJUSTMENTS AS DIRECTED.
A. PLANTING PITS SHALL BE DUG WITH LEVEL BOTTOMS, WITH THE WIDTH TWICE THE DIAMETER OF ROOT BALL. THE ROOT BALL SHALL REST ON UNDISTURBED
GRADE. EACH PLANT PIT SHALL BE BACK FILLED WITH THE FOLLOWING PREPARED SOIL MIXED THOROUGHLY:

1 PART PEAT MOSS BY VOLUME
1 PARTS TOPSOIL BY VOLUME
3 PARTS TOPSOIL BY VOLUME

A. ALL GROUND COVER AREAS SHALL RECEIVE A 1/4" LAYER OF HUMUS RAKED INTO THE TOP 1" OF PREPARED SOIL PRIOR TO PLANTING GROUND COVER.
B. SPACING AND VARIETY OF GROUND COVER SHALL BE AS SHOWN ON DRAWINGS.
C. IMMEDIATELY AFTER PLANTING GROUND COVER, CONTRACTOR SHALL THOROUGHLY WATER GROUND COVER.
D. ALL GROUND COVER AREAS SHALL BE TREATED WITH A PRE-EMERGENT BEFORE FINAL LANDSCAPE INSPECTION. GROUND COVER AREAS SHALL BE WEEDED PRIOR

O APPLYING PRE-EMERGENT. PRE-EMERGENT TO BE APPLIED AS PER MANUFACTURER'S RECOMMENDATION.

A. CONTRACTOR SHALL GUARANTEE ALL PLANTS FOR A PERIOD OF ONE (1) YEAR FROM ACCEPTANCE OF JOB. OWNER TO SECURE A MAINTENANCE BOND FROM THE CONTRACTOR FOR TEN PERCENT (10%) OF THE VALUE OF THE LANDSCAPE INSTALLATION WHICH WILL BE RELEASED AT THE COMMENCEMENT OF THE GUARANTEE PERIOD AND PASSES A FINAL INSPECTION BY THE OWNER OR OWNERS REPRESENTATIVE.

A. UPON THE COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE BROOM CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE

OWNER'S AUTHORIZED REPRESENTATIVE.

B. MAINTAIN TREES, SHRUBS AND OTHER PLANTS BY PRUNING, CULTIVATING AND WEEDING AS REQUIRED FOR HEALTHY GROWTH. RESTORE PLANTING SAUCERS. TIGHTEN AND REPAIR STAKE AND GUY SUPPORTS AND RESET TREES AND SHRUBS TO PROPER GRADES OR VERTICAL POSITION AS REQUIRED. RESTORE OR REPLACE DAMAGED WRAPPINGS. SPRAY WITH HERBICIDE AS REQUIRED TO KEEP TREES AND SHRUBS FREE OF INSECTS AND DISEASE.

C. MAINTAIN LAWNS BY WATERING, FERTILIZING, WEEDING, MOWING, TRIMMING, AND OTHER OPERATIONS SUCH AS ROLLING, REGRADING AND REPLANTING AS REQUIRED TO ESTABLISH A SMOOTH, ACCEPTABLE LAWN, FREE OF RRODED OR BARE AREAS.

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T: 732.678.0000 F: 732.974.352 www.dynamicec.com

Toms River, NJ 08753

02/09/2022

SCALE: (H) 1"=50

OF 27

SHEET No:

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Allen, Texas T: 972.534.2100 | Austin, Texas T: 215.2646.2646 | Houston, Texas T: 215.253.4888 | Bethlehem, Pennsylvania T: 610.598.4400

LANDSCAPING PLAN

DRAWN BY: KJH DESIGNED BY: CHECKED BY:

3566-99-004

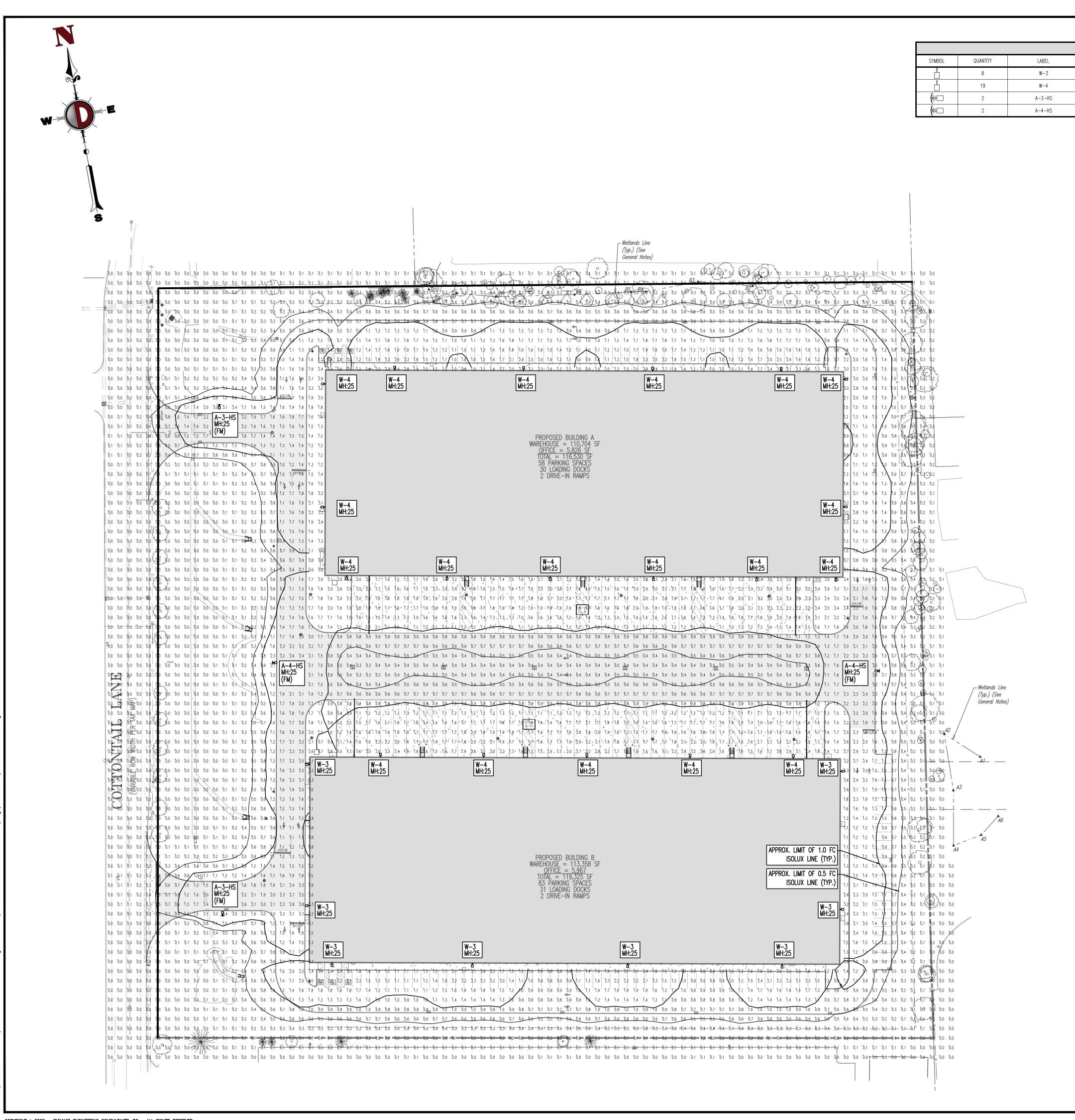
PROTECT YOURSELF ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE

FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: Rev. #

My Mind.

PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 52908 NEW JERSEY LICENSE No. 52985

NOTE: IF ANY DISCREPANCIES OCCUR BETWEEN AMOUNTS SHOWN IN THE PLAN AND THE PLANT LIST, THE PLAN SHALL DICTATE.



THIS PLAN TO BE UTILIZED FOR LIGHTING PURPOSES ONLY

LIGHTING LUMINAIRE SCHEDULE									
SYMBOL	QUANTITY	LABEL	WATTAGE	MOUNTING HEIGHT	ARRANGEMENT	LIGHT LOSS FACTOR	MANUFACTURER	DESCRIPTION	IES FILE
	8	W-3	137	25'	SINGLE	1.000	LITHONIA LIGHTING	WALL MOUNT LED	KAD LED 60C 700 40K R3 MVOLT
	19	W-4	137	25'	SINGLE	1.000	LITHONIA LIGHTING	WALL MOUNT LED	KAD LED 60C 700 40K R4 MVOLT
(₽□	2	A-3-HS	137	25'	SINGLE	1.000	LITHONIA LIGHTING	SINGLE HEAD LED POLE W/ SHEILD	KAD LED 60C 700 40K R3 MVOLT.HS
(⊜□	2	A-4-HS	137	25'	SINGLE	1.000	LITHONIA LIGHTING	SINGLE HEAD LED POLE W/ SHEILD	KAD LED 60C 700 40K R4 MVOLT.HS

ISO CURVES ARE MAINTAINED AND SHOWN AT 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, DIRT DEPRECIATION, AND OTHER FACTORS MAY AFFECT ACTUAL RESULTS. UNLESS OTHERWISE STATED, ALL RESULTS ARE MAINTAINED VALUES, UTILIZING ACCEPTED LIGHT LOSS FACTORS

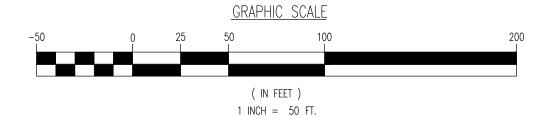
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STATISTICAL AREA SUMMARY							
	LABEL	AVERAGE	MAXIMUM	MINIMUM	AVG./MIN.	MAX./MIN.	DESCRIPTION
	PIQ	0.98	3.9	0.0	N.A.	N.A.	LIGHT LEVELS WITHIN PIQ
	PAVEMENT	1.37	3.9	0.3	4.57	13.00	LIGHT LEVELS WITHIN PAVEMENT

LIGHTING NOTES

- TOWNSHIP LIGHTING NOTES (§112-33.2)
- 1. ALL OUTDOOR FIXTURES INSTALLED AND THEREAFTER MAINTAINED, OTHER THAN THOSE SERVING ONE- AND TWO- FAMILY DWELLINGS, SHALL COMPLY WITH THE REQUIREMENTS BELOW (§112-33.2.A.(1)):
- A. WHERE USED FOR SECURITY PURPOSES OR TO ILLUMINATE WALKWAYS, ROADWAYS AND PARKING LOTS, ONLY SHIELDED LIGHT FIXTURES SHALL BE USED.
- B. ILLUMINATION FROM LIGHT FIXTURES SHALL NOT EXCEED 0.1 FOOTCANDLES AT THE PROPERTY LINE ADJOINING RESIDENTIALLY ZONED PROPERTY.
- C. OUTDOOR LIGHT FIXTURES PROPERLY INSTALLED AND THEREAFTER MAINTAINED SHALL BE DIRECTED SO THAT THERE WILL NOT BE ANY OBJECTIONABLE
- DIRECT GLARE SOURCE VISIBLE ABOVE A HEIGHT OF FIVE (5) FEET FROM ANY OTHER PROPERTY OR PUBLIC ROADWAY. (§112-33.2.B.(3)) D. LIGHT FIXTURES NEAR ADJACENT PROPERTY BOUNDARY MAY REQUIRE SPECIAL SHIELDING DEVICES TO PREVENT LIGHT TRESPASS. (§112-33.2.B.(3))
- E. THE MINIMUM HORIZONTAL ILLUMINANCE TO BE MAINTAINED FOR PARKING LOTS SHALL BE 0.2 FC FOR BASIC, AND 0.5 FC FOR ENHANCED SECURITY.
- F. THE AVERAGE HORIZONTAL ILLUMINANCE TO BE MAINTAINED FOR PARKING LOTS SHALL BE 1.0 FC FOR BASIC, AND 2.5 FC FOR ENHANCED SECURITY.
- G. THE AVERAGE TO MINIMUM UNIFORMITY RATIO FOR HORIZONTAL ILLUMINANCE TO BE MAINTAINED FOR PARKING LOTS SHALL BE 5:1 FOR BASIC. AND ENHANCED SECURITY. (§112-33.2.C.(2))
- H. THE MAXIMUM TO MINIMUM UNIFORMITY RATIO FOR HORIZONTAL ILLUMINANCE TO BE MAINTAINED FOR PARKING LOTS SHALL BE 20:1 FOR BASIC, AND 15:1 FOR ENHANCED SECURITY. (§112-33.2.C.(2))
- I. THE MINIMUM VERTICAL ILLUMINANCE TO BE MAINTAINED FOR PARKING LOTS SHALL BE 0.1 FC FOR BASIC, AND 0.25 FC FOR ENHANCED SECURITY. (§112-33.2.C.(2))

GENERAL NOTES

- 1. 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.
- 2. 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.
- 3. CONDUITS SHALL BE INSTALLED A MINIMUM OF 2 FEET BEHIND GUIDERAIL POSTS.
- 4. ALL WIRING METHODS AND EQUIPMENT CONSTRUCTION SHALL CONFORM TO THE CURRENT NATIONAL ELECTRICAL CODE.
- 5. REFER TO ARCHITECTURAL PLANS FOR SITE LIGHTING DIAGRAM.



SEE SHEET 18 OF 27 FOR LIGHTING DETAILS

this plan set is for permitting purposes only and may not be used for constructi



JOSHUA M. SEWALD KYLE C. KAVINSKI

PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 52908 NEW JERSEY LICENSE No. 52985

PROTECT YOURSELF

ALL STATES REQUIRE NOTIFICATION OF EXCAMATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: | Rev. #

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02/09/2022

SCALE: $\overline{\text{(H)}} \ \overline{\text{1"=50}}$

SHEET No:

