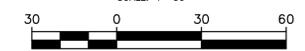
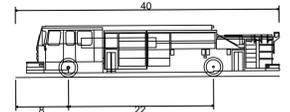


FIRE TRUCK CIRCULATION PLAN
SCALE: 1"=30'



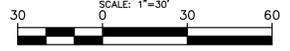
SCALE IN FEET
(1"=30')



Pumper Fire Truck
Overall Length 40.00ft
Overall Width 8.167ft
Overall Body Height 7.745ft
Min Body Ground Clearance 0.656ft
Track Width 8.167ft
Lock-to-lock time 8.00s
Max Wheel Angle 45.00°

TYPICAL FIRE TRUCK

OVERALL SITE PLAN
SCALE: 1"=30'



SCALE IN FEET
(1"=30')

ZONE SED-20 REQUIREMENTS

	REQUIRED	EXISTING	PROPOSED
MIN. LOT AREA	20 AC.	1,299 AC.*	N.C.
MIN. LOT DEPTH	800 FT.	308.9 FT.*	N.C.
MIN. LOT FRONTAGE	800 FT.	140.03 FT.*	N.C.
MIN. FRONT SETBACK			
COMMERCIAL BUILDING	200 FT.	49.5 FT.*	N.C.**
DWELLING	200 FT.	164.1 FT.*	-
MIN. SIDE SETBACK			
COMMERCIAL BUILDING	100 FT.	35.1 FT.*	31.7 FT.**
DWELLING	100 FT.	6.5 FT.*	-
MIN. REAR SETBACK			
COMMERCIAL BUILDING	100 FT.	233.0 FT.	209.3 FT.
DWELLING	100 FT.	108.9 FT.	-
MIN. IMPROVABLE LOT AREA	19 AC.	0 AC.*	N.C.
MIN. LOT DIAMETER	650 FT.	128.2 FT.*	N.C.
MAX. BUILDING COVERAGE	15%	4.9%	5.5%
MAX. IMPERVIOUS COVERAGE	60%	17.2%	16.8%
MAX. BUILDING HEIGHT:			
FEET	50 FT.	<50 FT.	N.C.

BUILDING COVERAGE

DESCRIPTION	EXISTING	PROPOSED
COMMERCIAL BUILDING	1,584 S.F.	3,090 S.F.
DWELLING	1,181 S.F.	-
BUILDING LOT COVERAGE	2,765 S.F.	3,090 S.F.
LOT AREA	56,598 S.F.	-
LOT COVERAGE	4.9%	5.5%

IMPERVIOUS COVERAGE

DESCRIPTION	EXISTING	PROPOSED
BUILDING COVERAGE	2,765 S.F.	3,090 S.F.
CONCRETE	1,494 S.F.	868 S.F.
DRIVEWAY	5,371 S.F.	5,418 S.F.
WALLS	75 S.F.	75 S.F.
IMPERVIOUS LOT COVERAGE	9,705 S.F.	9,489 S.F.
LOT AREA	56,598 S.F.	-
TOTAL IMPERVIOUS	17.2%	16.8%
LOT COVERAGE		

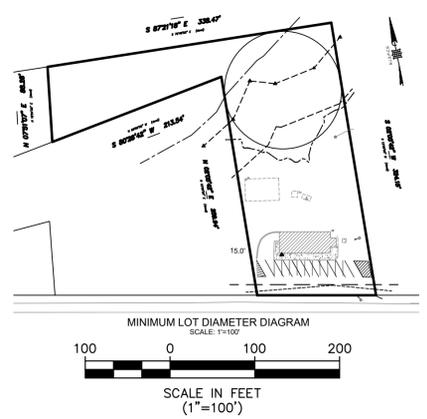
PARKING REQUIREMENTS:

DANCE STUDIO REQUIREMENTS:
1 SPACE PER 100 S.F. OF GROSS FLOOR AREA
4,874 S.F./100 S.F. = 46.74 SPACES REQ. = 47 SPACES

TOTAL SPACES REQ.:
47 SPACES

PROPOSED PARKING PROVIDED:
9 SPACES = STANDARD 9X18 PARKING
1 SPACE = HANDICAPPED PARKING
1 SPACES = ELECTRIC VEHICLE PARKING

TOTAL PROPOSED PARKING PROVIDED:
11 TOTAL SPACES



MINIMUM LOT DIAMETER DIAGRAM
SCALE: 1"=100'

CERTIFICATE OF AUTHORIZATION: 24GA28228900

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MATHEW R. WILDER
NEW JERSEY PROFESSIONAL ENGINEER
LICENSE No. 50652

REV	DATE	DESCRIPTION	BY

PRELIMINARY & FINAL MAJOR SITE PLAN

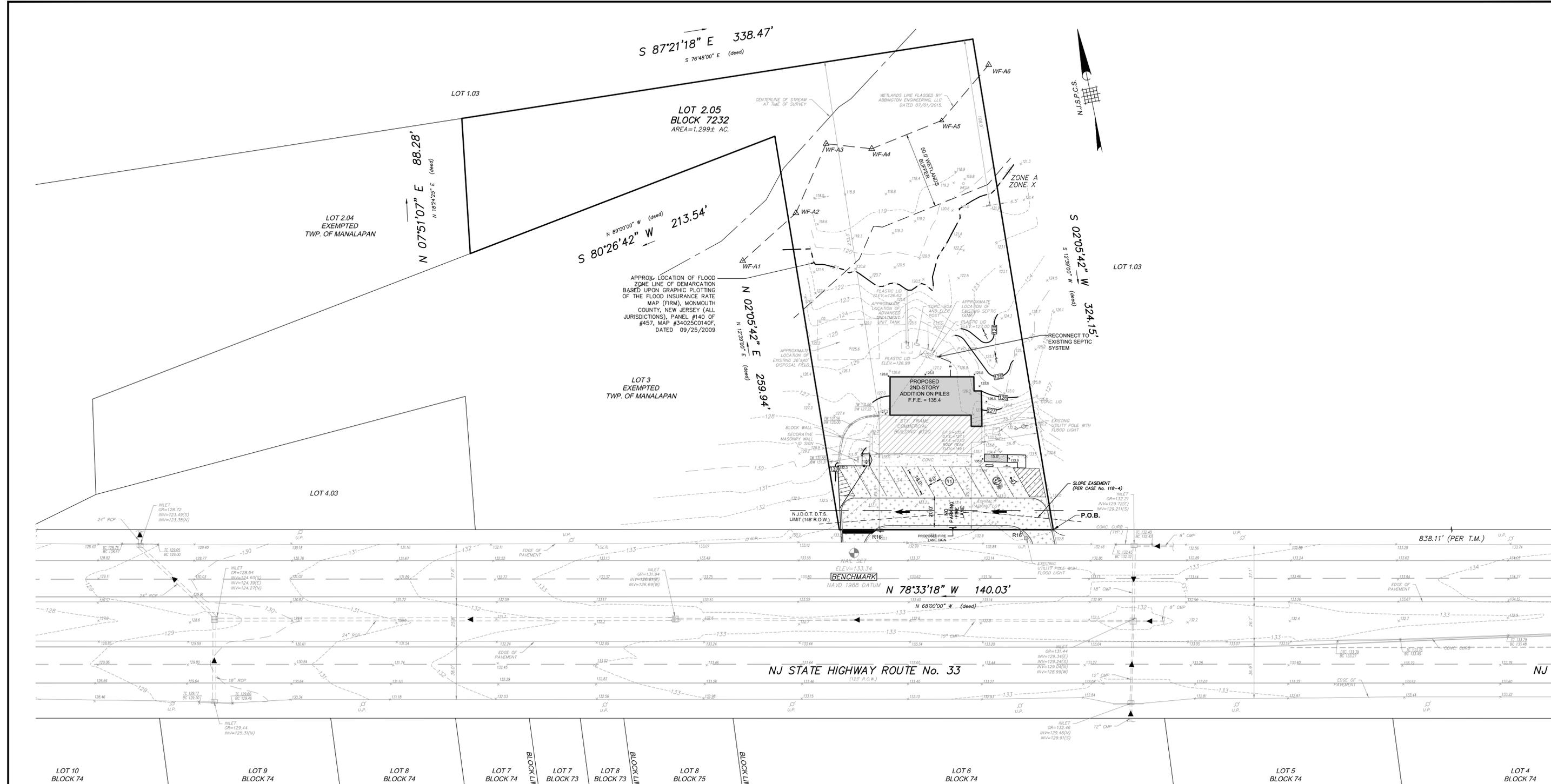
SITE LAYOUT PLAN

LOT 2.05 BLOCK 7232

320 HIGHWAY 33
TOWNSHIP OF MANALAPAN
COUNTY OF MONMOUTH NEW JERSEY

Scale: AS SHOWN Drawn By: MK Date: 10/20/25 JOB #: E24-00321 CAD File #: SITE PLAN Sheet #: 3 OF 9

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S 87°21'18" E 338.47'
S 76°48'00" E (deed)

N 07°51'07" E 88.28'
N 182°22' E (deed)

N 89°00'00" W (deed) 213.54'
S 80°26'42" W

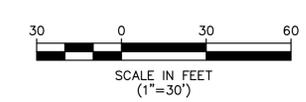
N 02°05'42" E 259.94'
N 123°30'0" E (deed)

S 02°05'42" W 324.15'
S 123°30'0" W (deed)

PROPOSED 2ND-STORY ADDITION ON PILES
F.F.E. = 135.4

N 78°33'18" W 140.03'
N 68°00'00" W (deed)

NJ STATE HIGHWAY ROUTE No. 33
(123' R.O.W.)



LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- 100.5 EXISTING SPOT ELEVATION
- 100.5 PROPOSED SPOT ELEVATION
- TEST PIT LOCATION
- EXISTING CURB INLET
- PROPOSED CURB INLET
- PROPOSED 'E' INLET
- EXISTING STORM MANHOLE
- PROPOSED STORM MANHOLE
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- EXISTING SANITARY MANHOLE
- PROPOSED SANITARY MANHOLE
- EXISTING SANITARY MAIN
- PROPOSED SANITARY MAIN
- EXISTING ELECTRIC LINE
- EXISTING WATER VALVE LINE
- PROPOSED WATER VALVE LINE
- EXISTING GAS VALVE LINE
- PROPOSED GAS VALVE LINE
- EXISTING UTILITY POLE
- EXISTING LIGHT FIXTURE
- PROPOSED HYDRANT
- EXISTING UTILITY POLE
- PROPOSED HYDRANT
- EXISTING TREE LINE
- PROPOSED TREE LINE
- MONUMENT FOUND
- PIN FOUND
- CAPRIED PIN
- DRAINAGE FLOW ARROW
- EXISTING FENCE
- PROPOSED FENCE

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REV	DATE	DESCRIPTION	BY

PRELIMINARY & FINAL MAJOR SITE PLAN

GRADING AND UTILITY PLAN

LOT 2.05 BLOCK 7232

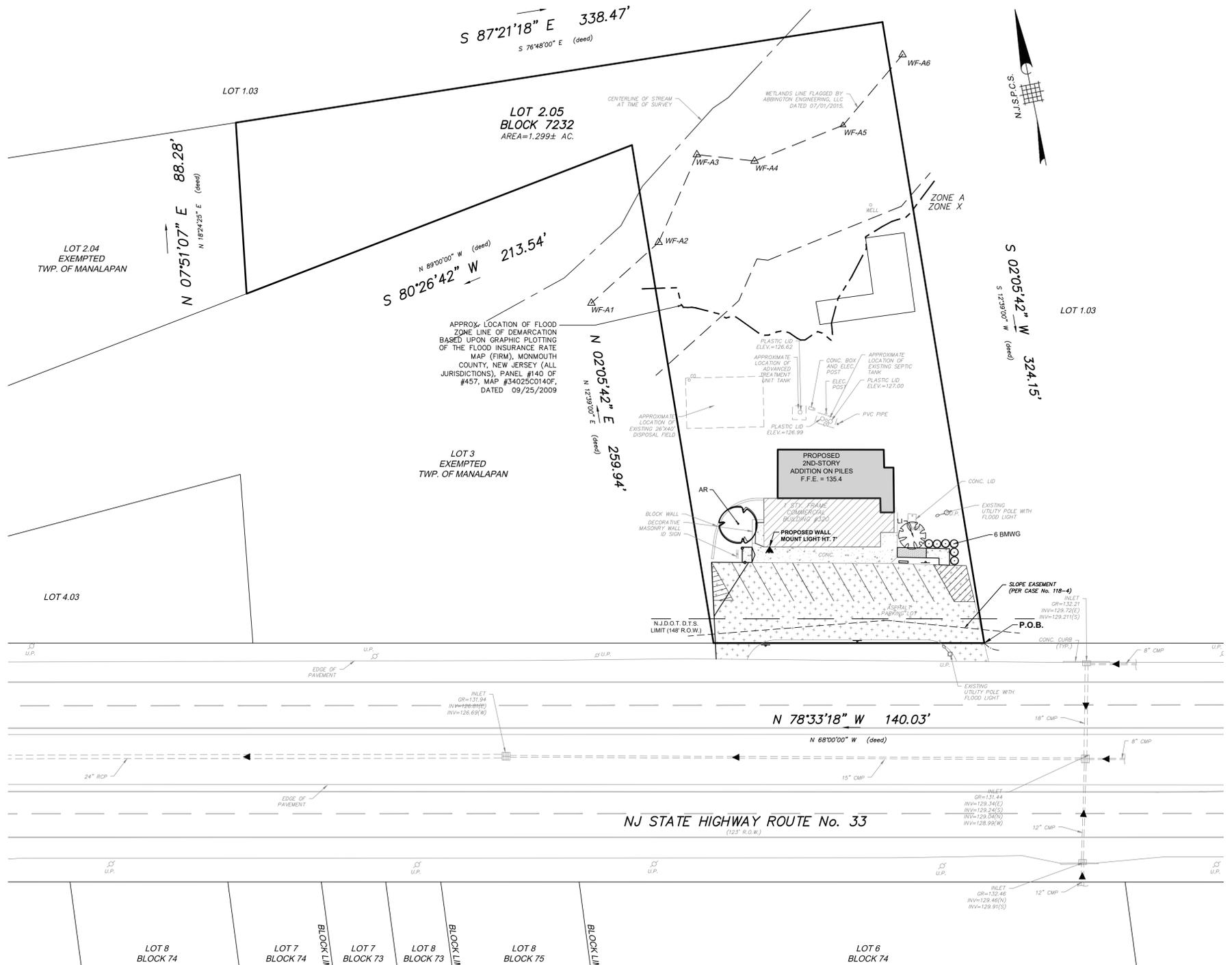
320 HIGHWAY 33
TOWNSHIP OF MANALAPAN
COUNTY OF MONMOUTH NEW JERSEY

Scale: 1"=30' Drawn By: MK Date: 10/20/25 JOB #: E24-00321 CAD File #: SITE PLAN Sheet #: 4 OF 9

© Urban SouthWest/Vermeer/CES-00321 E24-00321 Site Plan.dwg Oct. 24, 2025 - 3:46pm

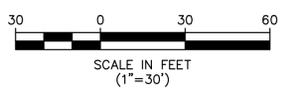
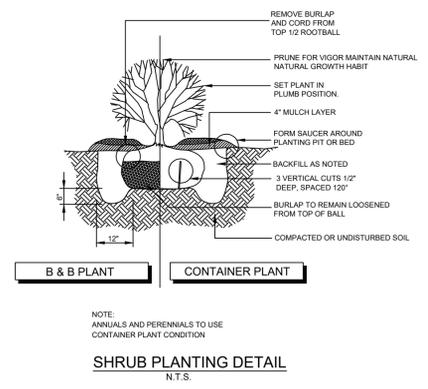
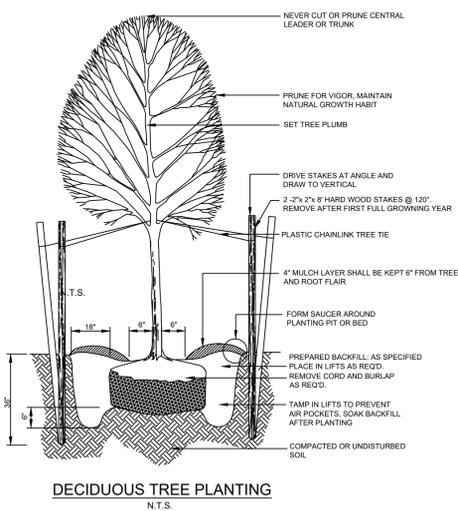
LANDSCAPING AND PLANTING NOTES:

- 1) THE CONTRACTOR SHALL FURNISH AND PLANT ALL PLANT MATERIALS SHOWN ON THE DRAWINGS, AS SPECIFIED, AND IN QUANTITIES INDICATED ON THE PLANT LIST. THE OWNER OR HIS AUTHORIZED REPRESENTATIVE SHALL BE NOTIFIED PRIOR TO BEGINNING PLANTING OPERATIONS.
- 2) STANDARDS: ALL PLANTS SHALL BE IN CONFORMANCE WITH THE AMERICAN STANDARD FOR NURSERY STOCK, LATEST EDITION, PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC. WITH REGARD TO SIZING AND DESCRIPTION.
- 3) QUALITY: ALL PLANTS SHALL BE NURSERY GROWN AND HARDY UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT. ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY AND SHALL HAVE A NORMAL HABIT OF GROWTH; THEY SHALL BE SOUND, HEALTHY AND WOODRIG, WELL BRANCHED AND DENSELY FOLIATED WHEN IN LEAF; THEY SHALL BE FREE OF DISEASE AND INSECT PESTS, EGGS OR LARVAE. THEY SHALL HAVE HEALTHY, WELL DEVELOPED ROOT SYSTEMS.
- 4) SUBSTITUTIONS: WHEN PLANTS OF A SPECIFIED KIND OR SIZE ARE NOT AVAILABLE WITHIN REASONABLE DISTANCE, SUBSTITUTIONS MAY BE MADE UPON REQUEST BY THE CONTRACTOR, IF APPROVED BY THE TOWNSHIP ENGINEER.
- 5) SIZE: ALL PLANTS SHALL CONFORM TO THE MEASUREMENTS SPECIFIED ON THE PLANT LIST UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE TOWNSHIP ENGINEER.
- 6) PRUNING: EACH TREE AND SHRUB SHALL BE PRUNED IN ACCORDANCE WITH AMERICAN ASSOCIATION OF NURSERYMEN, INC. STANDARDS TO PRESERVE THE NATURAL CHARACTER OF THE PLANT. ALL DEAD WOOD OR SUCKERS AND BROKEN OR BADLY BRUISED BRANCHES SHALL BE REMOVED.
- 7) ROOT SYSTEMS: BALLED AND BURLAPPED PLANTS SHALL BE DUG WITH FIRM NATURAL BALLS OF EARTH OF DIAMETER AND DEPTH TO INCLUDE MOST OF THE FIBROUS ROOTS. CONTAINER GROWN STOCK SHALL HAVE BEEN IN A CONTAINER LONG ENOUGH FOR THE ROOT SYSTEM HAVE DEVELOPED SUFFICIENTLY TO HOLD ITS SOIL TOGETHER FIRM AND WHOLE. NO PLANTS SHALL BE LOOSE IN THE CONTAINER OR BALL.
- 8) PROTECTOR: ROOTBALLS, TRUNKS, BRANCHES AND FOLIAGE OF PLANTS SHALL BE ADEQUATELY PROTECTED AT ALL TIMES FROM SUN AND DRYING WINDS OR FROST. PLANTS WITH BROKEN ROOT BALLS OR EXCESSIVE DAMAGE TO THE CROWN SHALL BE REPLACED, IN KIND, PRIOR TO INSTALLATION.
- 9) MULCH: IMMEDIATELY FOLLOWING PLANT INSTALLATION ALL TREE AND SHRUB PLANTING PITS SHALL BE COVERED WITH SHREDDED HARDWOOD MULCH OR OTHER MATERIAL APPROVED BY THE TOWNSHIP ENGINEER. THE LIMITS OF THIS MULCH FOR DECIDUOUS TREES AND SINGLE EVERGREEN TREES SHALL BE THE AREA OF THE PIT; FOR EVERGREEN TREES CLUSTER OR SHRUB MASSES, A MULCHED BED SHALL BE CREATED.
- 10) ANTI-DESICCANT SPRAY: TREES AND WHEN PLANTED IN LEAF SHALL BE TREATED WITH ANTI-DESICCANT SUCH AS "WILT PROOF".
- 11) PLANTING MIX: BEFORE BACKFILLING, THE TOPSOIL BACKFILL MIXTURE SHALL BE PREPARED AND MIXED TO THE FOLLOWING PROPORTIONS: DECIDUOUS TREES - TWO PARTS BY VOLUME OF TOPSOIL, ONE PART ORGANIC COMPOST AND FIVE POUNDS BONE MEAL PER CUBIC YARD. EVERGREEN PLANTS - THREE PARTS BY VOLUME OF TOPSOIL AND ONE PART ORGANIC COMPOST. FERTILIZER - TO THE ABOVE MIXTURES, ADD THREE POUNDS OF SPECIFIED COMMERCIAL FERTILIZER FOR TREES UP TO THREE INCHES (3") IN CALIPER AND ONE POUND PER INCH OF CALIPER FOR LARGER TREES. SHRUBS SHALL BE FERTILIZED WITH SIX (6) OUNCES OF FERTILIZER FOR SHRUBS FOUR FEET (4') AND OVER.
- 12) STAKING AND GUYING: ALL TREES SHALL BE STAKED AND GUYED ACCORDING TO ACCEPTED INDUSTRY PRACTICE. THEY SHALL ALSO BE WRAPPED IMMEDIATELY AFTER THEY ARE PLANTED WITH APPROVED TREE WRAP IN CONFORMANCE WITH ACCEPTED INDUSTRY PRACTICE.
- 13) LAYOUT: THE CONTRACTOR SHALL LAY OUT WITH IDENTIFIABLE STAKES, THE LOCATION OF ALL PLANTS AND THE ARRANGEMENT AND OUTLINES OF PLANTING BEDS AS INDICATED ON THE DRAWINGS. THE LAYOUT OF PLANTING SHALL BE APPROVED BY THE TOWNSHIP ENGINEER PRIOR TO ANY EXCAVATION OF PLANTING PITS OR PREPARATION OF PLANTING BEDS. ALL PLANTING SHALL BE THE LOCATIONS INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLANTING AT THE CORRECT GRADES, ALIGNMENT AND LAYOUT OF PLANTING BEDS. MINOR ADJUSTMENTS TO TREE LOCATIONS MAY BE NECESSARY DUE TO FIELD CONDITIONS AND FINAL GRADING. THE CONTRACTOR SHALL NOTIFY THE TOWNSHIP ENGINEER IF MAJOR ADJUSTMENTS ARE ANTICIPATED.
- 14) ADVERSE CONDITIONS: THE CONTRACTOR SHALL NOTIFY THE TOWNSHIP ENGINEER IN WRITING OF ANY SOIL OR DRAINAGE CONDITIONS WHICH THE CONTRACTOR CONSIDERS DETRIMENTAL TO PLANT GROWTH. THE DOCUMENTED CONDITIONS SHALL INCLUDE A PROPOSAL FOR CORRECTING THE SITUATION, INCLUDING ANY CHANGE IN COST FOR REVIEW AND ACCEPTANCE BY THE TOWNSHIP ENGINEER.
- 15) QUANTITY: THE QUANTITY OF PLANTS INDICATED IN THE PLANT SCHEDULE IS FOR GENERAL REFERENCE ONLY. THE CONTRACTOR SHALL OBTAIN QUANTITIES FOR PRICING BY COMPLYING NUMBERS FROM THE PLANTS ILLUSTRATED ON THE DRAWINGS. SHOULD THERE BE A DISCREPANCY BETWEEN THE DRAWINGS AND THE PLANT SCHEDULE, THE QUANTITIES ILLUSTRATED ON THE DRAWINGS SHALL TAKE PRECEDENCE.
- 16) GUARANTEE: ALL PLANT MATERIAL SHALL BE GUARANTEED BY THE CONTRACTOR FOR A FULL TWO YEARS FROM THE DATE OF INSTALLATION. THE OWNER SHALL BE RESPONSIBLE FOR MAINTENANCE UNLESS OTHERWISE AGREED BY THE CONTRACTOR. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MONITOR THE PROJECT DURING THE GUARANTEE PERIOD AND NOTIFY THE OWNER IN WRITING IF PROBLEMS ARE OCCURRING OR SITUATIONS DEVELOP THAT APPEAR DETRIMENTAL TO THE PLANT MATERIAL. ANY PLANT MATERIAL THAT IS 25% DEAD OR MORE SHALL BE CONSIDERED DEAD AND MUST BE REPLACED AT NO CHARGE TO THE OWNER. A TREE SHALL BE CONSIDERED DEAD WHEN THE MAIN LEADER HAS DIED BACK OR THERE IS 25% OF THE CROWN DEAD.
- 17) THE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING AND MAINTAINING ALL LANDSCAPING AND VEGETATION DURING THE DURATION OF CONSTRUCTION AND UNTIL FINAL PAYMENT.
- 18) ROOT BALLS SHALL BE PLACED ATOP UNDISTURBED SUBGRADE.
- 19) NO CHEMICAL FERTILIZER SHALL BE ADDED UNTIL THE TREE HAS BEEN PLANTED FOR ONE(1) YEAR.
- 20) NO TOPSOIL SHALL BE REMOVED FROM THE SITE OR USED AS SPOIL, EXCEPT AS MAY BE PROVIDED FOR IN A SOIL REMOVAL PERMIT. ALL TOPSOIL SHALL BE REDISTRIBUTED ON-SITE. ALL REGARDED AREAS AND LAWN AREAS SHALL BE COVERED BY A FOUR (4") INCH MINIMUM THICKNESS OF TOPSOIL.
- 21) NO MATERIAL OR TEMPORARY SOIL DEPOSITS SHALL BE PLACED WITHIN SIX (6) FEET OF ANY TREE OR SHRUB.
- 22) ALL TREE STUMPS AND OTHER TREE PARTS ARE TO BE REMOVED FROM THE SITE. NO TREE STUMPS, PORTIONS OF A TREE TRUNKS OR LIMBS SHALL BE BURIED ANYWHERE IN THE DEVELOPMENT.
- 23) THE DEVELOPER SHALL SELECTIVELY THIN AND REMOVE ALL DEAD AND DYING VEGETATION.
- 24) THE HOLE IN WHICH THE TREE IS TO BE PLANTED MUST BE 3" LARGER IN WIDTH AND DEPTH THAN THE ROOT BALL.
- 25) THE NURSERY SHALL ATTACH IDENTIFICATION TAGS OF THE EXACT VARIETY OF VEGETATION TO AT LEAST ONE PLANT OF EACH VARIETY.



LANDSCAPE SCHEDULE:

KEY	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE/COMMENT
AR	1	ACER RUBRUM "FRANKSRED"	RED SUNSET MAPLE	2 1/2"-3" CAL. B&B, FULL
LI	1	LAGERSTROEMIA INDICA "TONTO"	TONTO CRAPE MYRTLE	7-8" B&B
BMWG	6	BUXUS MICROPHYLLA "WINTER GEM"	WINTER GEM BOXWOOD	24-30" SPREAD/HT.



CERTIFICATE OF AUTHORIZATION: 24GA28228900

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LICENSE No. 50652

REV	DATE	DESCRIPTION	BY

PRELIMINARY & FINAL MAJOR SITE PLAN

LANDSCAPE PLAN

LOT 2.05 BLOCK 7232

320 HIGHWAY 33
TOWNSHIP OF MANALAPAN
COUNTY OF MONMOUTH NEW JERSEY

Scale: 1"=30' Drawn By: MK Date: 10/20/25 JOB #: E24-00321 CAD File #: SITE PLAN Sheet #: 5 of 9

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WDGE3 LED Architectural Wall Sconce



Notes
Type

Use the Tab key or mouse over the page to see all interactive elements.

Introduction
The WDGE3 LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean, rectangular design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true size-wide solution. Embedded with nLight™ AIR wireless controls, the WDGE3 family provides additional energy savings and code compliance.

WDGE3 has been designed to deliver up to 12,000 lumens through a precision refractive lens with wide distribution, perfect for augmenting the lighting from pole mounted luminaires.

Specifications

Depth (D1): 8"
Depth (D2): 1.5"
Height: 9"
Width: 18"
Weight: 19.5 lbs (without options)



Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect. *See ordering tree for details.

WDGE LED Family Overview

Luminaire	Optics	Standard EM, 0°C	Cold EM, -20°C	Sensor	R0	R1	R2	R3	R4	R5	R6
WDGE1 LED	Visual Comfort	4W	18W	Standalone / no light	750	1,200	2,000	3,000	4,500	6,000	—
WDGE2 LED	Visual Comfort	10W	18W	Standalone / no light	700	1,200	2,000	3,200	4,200	—	
WDGE3 LED	Precision Refractive	10W	18W	Standalone / no light	6,000	7,500	8,500	10,000	12,000	—	
WDGE4 LED	Precision Refractive	15W	18W	Standalone / no light	—	12,000	16,000	18,000	20,000	22,000	

Ordering Information

EXAMPLE: WDGE3 LED P3 40K 70CRI R3 MVOLT SRM DDBXD

Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting	Shipped included	Shipped separately
WDGE3 LED	P1	30K	70CRI	R2	MVOLT	AW	SRM	30 inch architectural wall spacer
	P2	40K	80CRI	R3	480V	ICW	AW	Surface-mounted back box (top, left, right conduit entry). Use when there is no junction box available.
	P3	50K	80CRI	R4	480V	ICW	AW	Surface-mounted back box (top, left, right conduit entry). Use when there is no junction box available.
	P4	50K	80CRI	R4	480V	ICW	AW	Surface-mounted back box (top, left, right conduit entry). Use when there is no junction box available.

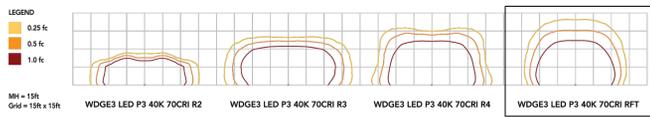
Options	Standard Sensors/Controls	Networked Sensors/Controls	Finish
E15WH Emergency battery backup, Certified in CA Title 20 MAERIS (15W, 9" max)	PIR Bi-level (100/50%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk to dawn switching.	NLTAR2 PIR Embedded wireless controls by nLight with Passive Infrared Dcc sensor and on/off photocell for 8-15' mounting heights.	DDBXD Dark bronze
E20WC Emergency battery backup, Certified in CA Title 20 MAERIS (15W, 9" max)	PIR Bi-level (100/50%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk to dawn switching.	NLTAR2 PIR Embedded wireless controls by nLight with Passive Infrared Dcc sensor and on/off photocell for 8-15' mounting heights.	DDBLD Black
FE PhotoCell, Button Type*	PIR Bi-level (100/50%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation.	NLTAR2 PIR Embedded wireless controls by nLight with Passive Infrared Dcc sensor and on/off photocell for 8-15' mounting heights.	DDBND Natural aluminum
DMG 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately)	PIR Bi-level (100/50%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation.	NLTAR2 PIR Embedded wireless controls by nLight with Passive Infrared Dcc sensor and on/off photocell for 8-15' mounting heights.	DDBSD White
RCE Bottom conduit entry for back box (PBRW). Total of 4 entry points.	PIR Bi-level (100/50%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation.	NLTAR2 PIR Embedded wireless controls by nLight with Passive Infrared Dcc sensor and on/off photocell for 8-15' mounting heights.	DDBSD Sandstone
SPD10KV 10KV Surge pack*	PIR Bi-level (100/50%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation.	NLTAR2 PIR Embedded wireless controls by nLight with Passive Infrared Dcc sensor and on/off photocell for 8-15' mounting heights.	DDBDD Textured dark bronze
CCE Coastal Construction*	PIR Bi-level (100/50%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation.	NLTAR2 PIR Embedded wireless controls by nLight with Passive Infrared Dcc sensor and on/off photocell for 8-15' mounting heights.	DDBLD Textured black
	PIR Bi-level (100/50%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation.	NLTAR2 PIR Embedded wireless controls by nLight with Passive Infrared Dcc sensor and on/off photocell for 8-15' mounting heights.	DDBND Textured natural aluminum
	PIR Bi-level (100/50%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation.	NLTAR2 PIR Embedded wireless controls by nLight with Passive Infrared Dcc sensor and on/off photocell for 8-15' mounting heights.	DDBWD Textured white
	PIR Bi-level (100/50%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation.	NLTAR2 PIR Embedded wireless controls by nLight with Passive Infrared Dcc sensor and on/off photocell for 8-15' mounting heights.	DDBSD Textured sandstone

Accessories	Notes
WDGEAWR DDBXD WDGE3 Architectural Wall Spacer (specify finish)	1. 347V and 480V not available with E15WH and E20WC.
WDGEPBRW DDBXD WDGE3 Surface-mounted back box (specify finish)	2. Not qualified for D.C. Not available with emergency battery backup or sensor/controls.
	3. For PBRW and AWS with CCE option, require an RFA.
	4. FE not available in 480V and with sensor/controls.
	5. DMG option not available with sensor/controls.
	6. Not available with E20WC option.
	7. Available with MVOLT only and only rated to 25C ambient.

LITHONIA LIGHTING COMMERCIAL OUTDOOR One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com WDGE3 LED Rev. 02/24/25 © 2019-2025 Acuity Brands Lighting, Inc. All rights reserved.

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting WDGE LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards.

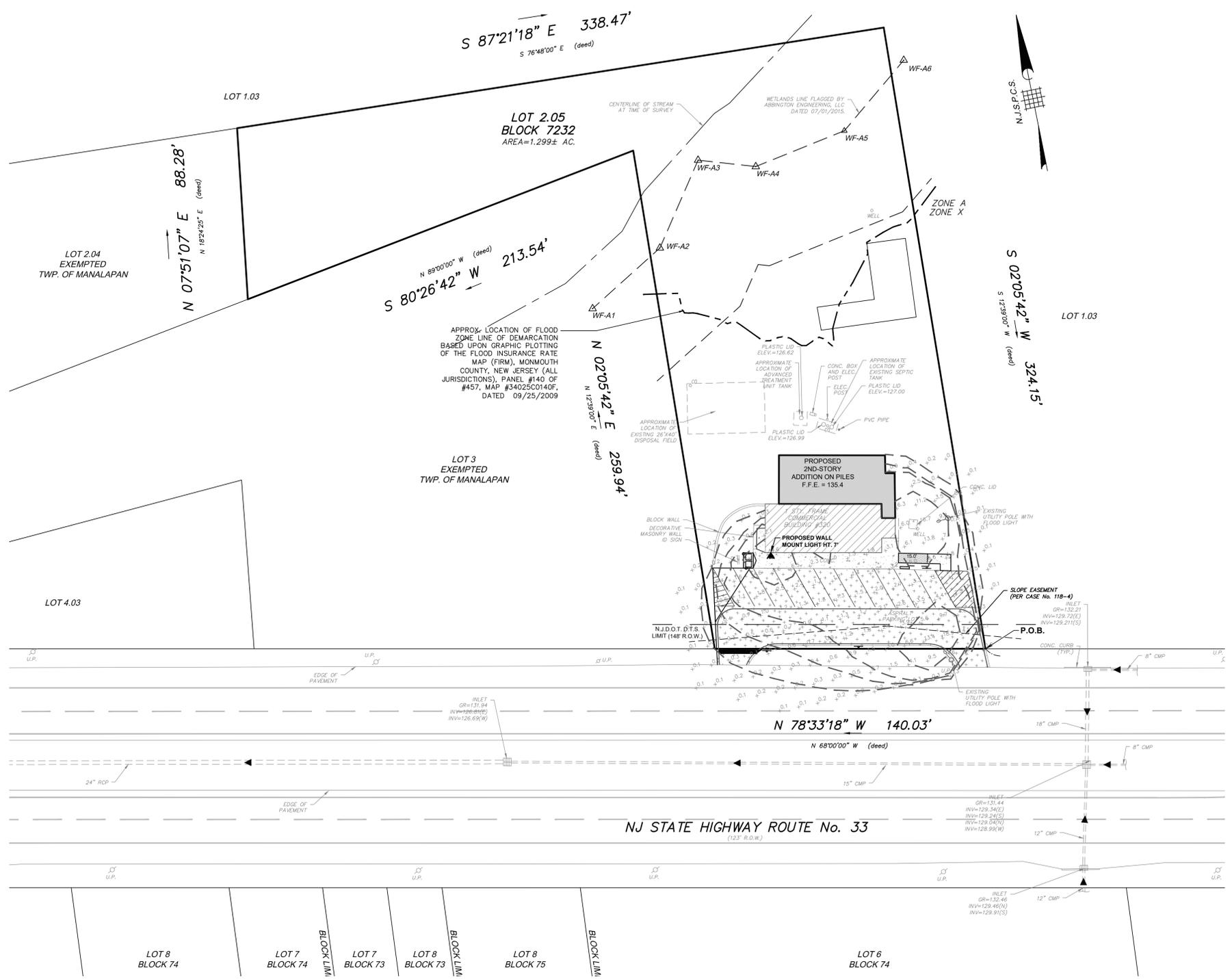
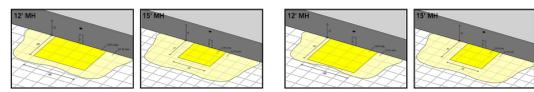


Emergency Egress Options

Emergency Battery Backup
The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain, minimum of 60% of the light output at the end of 90 minutes.

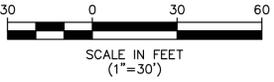
Applicable codes: NFPA 70/NEC — section 700.16, NFPA 101 Life Safety Code Section 7.9

The examples below show illuminance of 1 fc average and 0.1 fc minimum in emergency mode with E15WH or E20WC and R4 distribution.



SCHEDULE					
SYMBOL	QUANTITY	MANUFACTURE	CATALOG NUMBER	DESCRIPTION	WATTS
▲	1	LITHONIA LIGHTING	WDGE3 LED P2 70CRI RPT 30K	WDGE3 LED WITH P2 - PERFORMANCE PACKAGE, 3000K, 70CRI, FORWARD THROW OPTIC	59.3

LIGHTING TO BE AS SPECIFIED OR APPROVED EQUAL.



THE OWNER OR HIS/HER DESIGNATED REPRESENTATIVE SHALL NOTIFY THE UNDERSIGNED PROFESSIONAL IMMEDIATELY IF CONDITIONS ARE ENCOUNTERED ON-SITE CONTRARY TO THOSE DEPICTED ON THIS PLAN. THE UNDERSIGNED PROFESSIONAL SHALL BE GRANTED ACCESS TO THE SITE AND PROVIDED ADEQUATE TIME TO REVIEW AND, IF NECESSARY, AMEND THE DESIGN BASED UPON THE OBSERVED SITE CONDITIONS.

CERTIFICATE OF AUTHORIZATION: 24GA02228800

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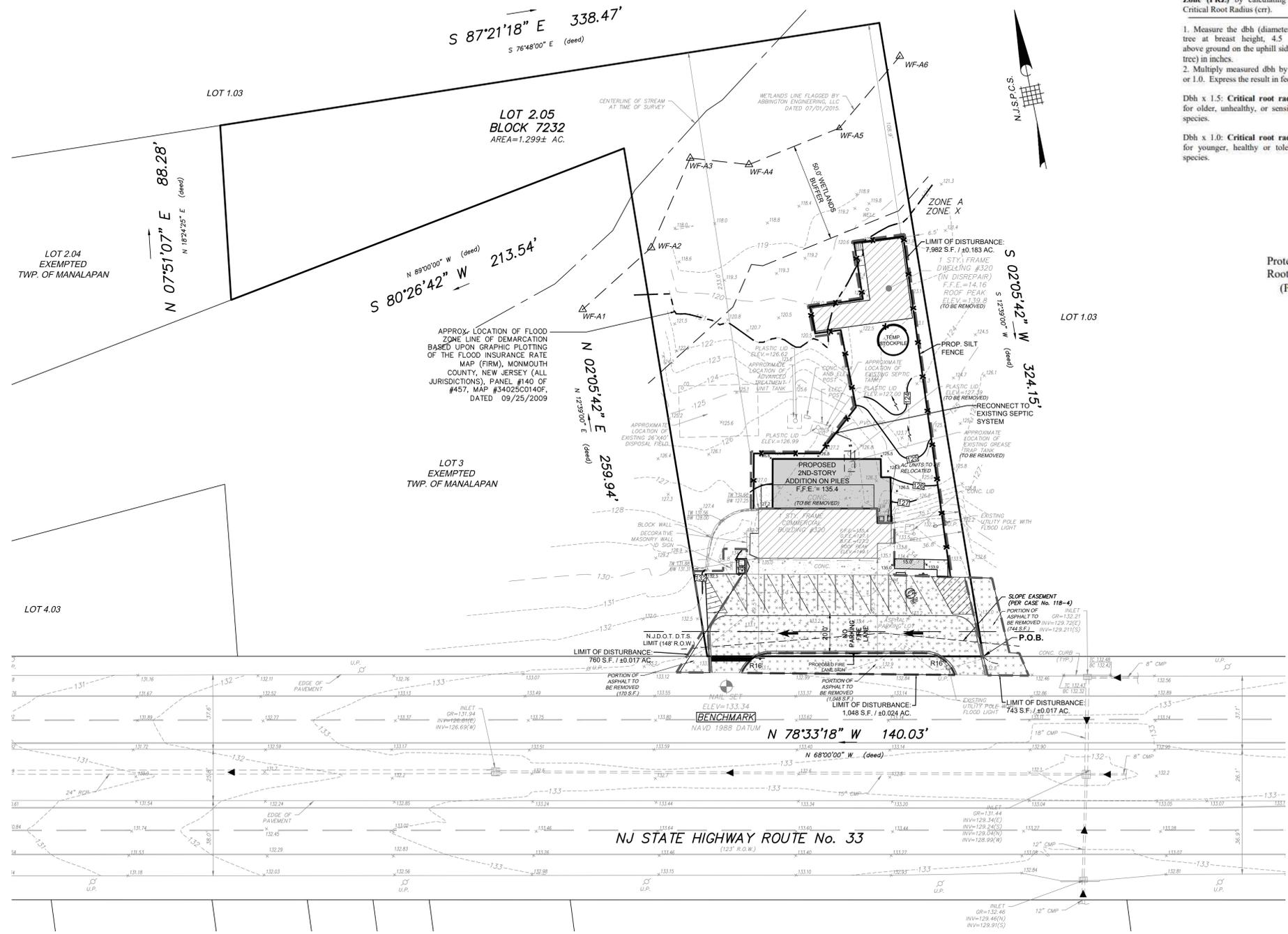
REV	DATE	DESCRIPTION	BY

PRELIMINARY & FINAL MAJOR SITE PLAN

LIGHTING PLAN

LOT 2.05 BLOCK 7232
320 HIGHWAY 33
TOWNSHIP OF MANALAPAN
COUNTY OF MONMOUTH NEW JERSEY

Scale: Drawn By: Date: JOB # CAD File # Sheet #
1"=XX' MK 10/20/25 E24-00321 SITE PLAN 6 OF 9



Estimate a tree's **Protected Root Zone (PRZ)** by calculating the **Critical Root Radius (CRR)**.

1. Measure the dbh (diameter of tree at breast height, 4.5 feet above ground on the uphill side of tree) in inches.
2. Multiply measured dbh by 1.5 or 1.0. Express the result in feet.

Dbh x 1.5: **Critical root radius** for older, unhealthy, or sensitive species.

Dbh x 1.0: **Critical root radius** for younger, healthy or tolerant species.

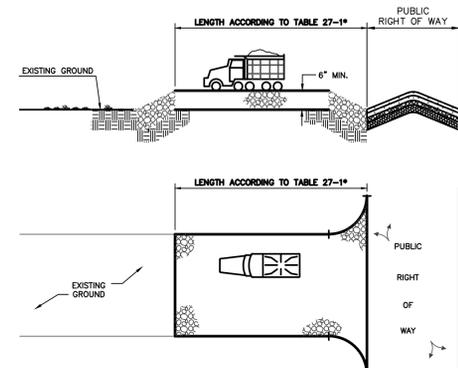
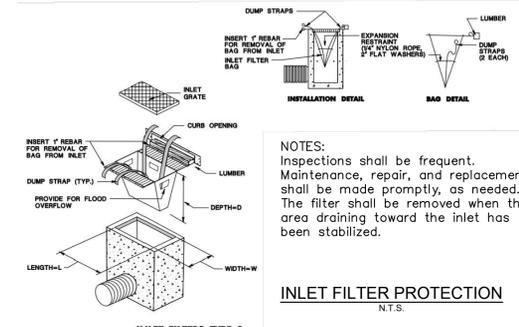
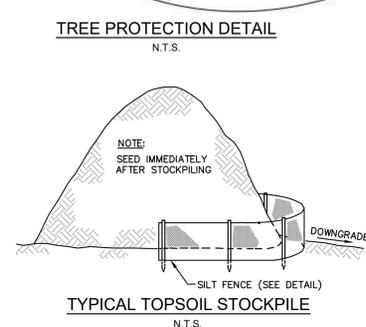
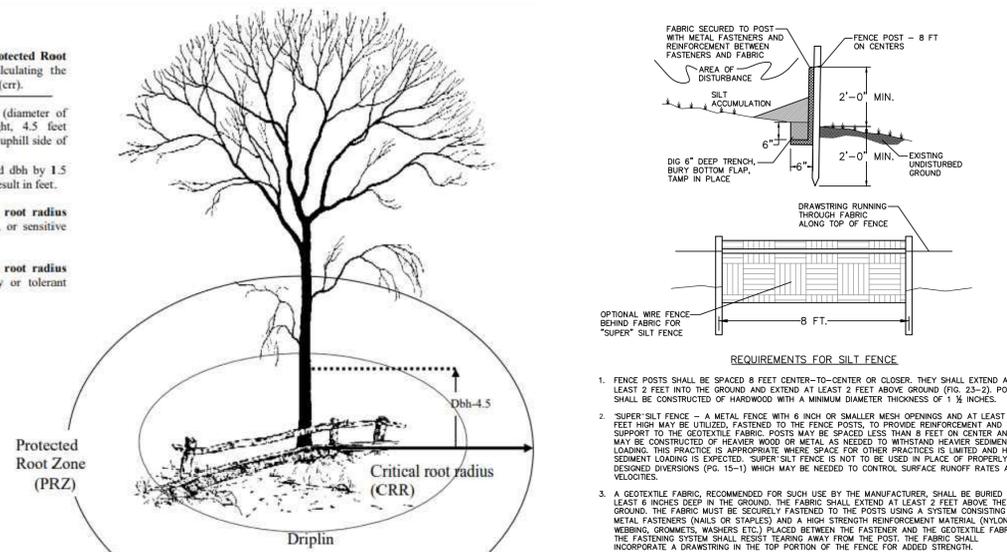


TABLE 27-1

PERCENT SLOPE OF ROADWAY	LENGTH OF STONE REQUIRED	
	COARSE GRAINED SOILS	FINE GRAINED SOILS
0 TO 2%	50 FT.	100 FT.
2 TO 5%	100 FT.	200 FT.
>5%	ENTIRE SURFACE STABILIZED WITH HOT MIX ASPHALT BASE COURSE, MIX 1-2*	

* AS PRESCRIBED BY LOCAL ORDINANCE OR OTHER GOVERNMENT AUTHORITIES.

INDIVIDUAL LOT ENTRANCE AND EGRESS - AFTER INTERIOR ROADWAYS ARE PAVED, INDIVIDUAL LOT INGRESS/EGRESS POINTS MAY REQUIRE A STABILIZED CONSTRUCTION ENTRANCE CONSISTING OF NO. 3 STONE (1" TO 2") TO PREVENT OR MINIMIZE TRACKING OF SEDIMENTS. WIDTH OF THE STONE INGRESS/EGRESS SHALL BE EQUAL TO LOT ENTRANCE WIDTH AND SHALL BE A MINIMUM OF TEN FEET IN LENGTH.

THE WASHING - IF SPACE IS LIMITED, VEHICLE TIRES MUST BE WASHED WITH CLEAN WATER BEFORE ENTERING A PAVED AREA. A WASH STATION MUST BE LOCATED SUCH THAT WASH WATER WILL NOT FLOW ON PAVED ROADWAYS OR INTO UNPROTECTED STORM DRAINAGE SYSTEMS.

WHEN THE CONSTRUCTION ACCESS EXITS ONTO A MAJOR ROADWAY, A PAVED TRANSITION AREA MAY BE INSTALLED BETWEEN THE MAJOR ROADWAY AND THE STONED ENTRANCE TO PREVENT LOOSE STONES FROM BEING TRANSPORTED OUT ONTO THE ROADWAY BY HEAVY EQUIPMENT ENTERING OR LEAVING THE SITE.

MAINTENANCE

THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO ROADWAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO ROADWAYS (PUBLIC OR PRIVATE) OR OTHER IMPERVIOUS SURFACES MUST BE REMOVED IMMEDIATELY.

WHERE ACCUMULATION OF DUST/SEDIMENT IS INADEQUATELY CLEANED OR REMOVED BY CONVENTIONAL METHODS, A POWER BROOM OR STREET SWEEPER WILL BE REQUIRED TO CLEAN PAVED OR IMPERVIOUS SURFACES. ALL OTHER ACCESS POINTS WHICH ARE NOT STABILIZED SHALL BE BLOCKED OFF.

THE OWNER OR HIS/HER DESIGNATED REPRESENTATIVE SHALL NOTIFY THE UNDERSIGNED PROFESSIONAL IMMEDIATELY IF CONDITIONS ARE ENCOUNTERED ON-SITE CONTRARY TO THOSE REPERTED ON THIS PLAN. THE UNDERSIGNED PROFESSIONAL SHALL BE GRANTED ACCESS TO THE SITE AND PROVIDED ADEQUATE TIME TO REVIEW AND, IF NECESSARY, AMEND THE DESIGN BASED UPON THE OBSERVED SITE CONDITIONS.

CERTIFICATE OF AUTHORIZATION: 240A2822800

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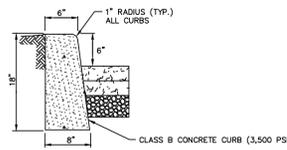
PRELIMINARY & FINAL MAJOR SITE PLAN

SOIL EROSION & SEDIMENT CONTROL PLAN AND DETAILS

LOT 2.05 BLOCK 7232
320 HIGHWAY 33
TOWNSHIP OF MANALAPAN
COUNTY OF MONMOUTH NEW JERSEY

REV	DATE	DESCRIPTION	BY

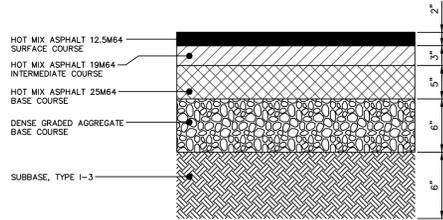
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MK 10/20/25 E24-00321 SITE PLAN 7 OF 9



NOTES:

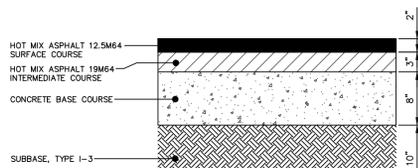
1. EXPANSION JOINTS SHALL BE CONSTRUCTED 20' ON CENTER, AND CONTRACTION JOINTS SHALL BE CONSTRUCTED 10' ON CENTER.
2. TRANSVERSE JOINTS 1/2" WIDE SHALL BE INSTALLED IN THE CURB 20'-0" APART AND SHALL BE FILLED WITH PREFORMED BITUMINOUS IMPREGATED FIBER FILLER. COMPLIING WITH ALL OF THE REQUIREMENTS OF AASHTO SPEC. M 213, RECESSED 1/4" IN FROM FRONT FACE AND TOP OF CURB. ALL JOINTS TO BE FULL DEPTH OF 18".
3. ALL CURBING SHALL BE CONSTRUCTED OF CAST-IN-PLACE PORTLAND CEMENT CONCRETE, CLASS B, 3,500 POUNDS PER SQUARE INCH TWENTY-EIGHT-DAY COMPRESSIVE STRENGTH. ALL CURBING, OTHER THAN CURBING ON ALL STATE HIGHWAYS, SHALL CONFORM TO THE STANDARD DETAIL OF THE NEW JERSEY DEPARTMENT OF TRANSPORTATION FOR SIX-EIGHT-THIRTY-EIGHT-INCH VERTICAL CURB. THE CURB REVEAL ABOVE THE FINISHED PAVEMENT ELEVATION SHALL BE SIX INCHES. ALL CURBING PLACED ALONG STATE HIGHWAYS SHALL CONFORM TO THE STANDARDS OF THE NEW JERSEY DEPARTMENT OF TRANSPORTATION.

CONCRETE CURB DETAIL
N.T.S.



NJDOT PAVEMENT SECTION TYPE 1 GREATER THAN 5.0' IN WIDTH
(WITHIN NJDOT R.O.W.)
N.T.S.

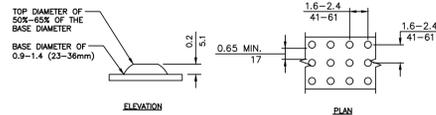
- PAVEMENT SECTION CONSTRUCTION NOTES:**
1. SAW CUT PAVEMENT PRIOR TO EXCAVATION.
 2. SEAL JOINTS BETWEEN NEW AND EXISTING PAVEMENT TO REMAIN.
 3. UNDERCUT SOFT SUBGRADE AREAS AND REPLACE WITH ADDITIONAL SUBBASE TYPE 1-3.
 4. THE LONGITUDINAL JOINT BETWEEN THE NEW AND EXISTING PAVEMENT SHALL BE SAWS AND SEALED.
 5. APPLY TACK COAT TO THE EDGE OF EXISTING PAVEMENT PRIOR TO PAVING.
 6. EXISTING CONCRETE PAVEMENT SHOULD BE REPLACED IN KIND IF FEASIBLE.
 7. 3" PREFORMED EXPANSION JOINT FILLER, BITUMINOUS TYPE, TO BE INSTALLED BETWEEN CURB AND CONCRETE PAVEMENT OR CONCRETE BASE COURSE.



NJDOT PAVEMENT SECTION TYPE 2 LESS THAN 5.0' IN WIDTH
(WITHIN NJDOT R.O.W.)
N.T.S.

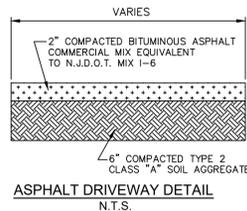
- GENERAL NOTES:**
1. ALL MATERIAL, REPAIR STRIPS AND EXCAVATION FOR DRIVEWAY CONSTRUCTION TO BE INCLUDED IN THE BID PRICE FOR BITUMINOUS CONCRETE DRIVEWAY, CONCRETE DRIVEWAY OR CONCRETE CURB.
 2. BITUMINOUS CONCRETE DRIVEWAY SURFACE COURSE, TOP LAYER AND BOTTOM LAYER SHALL BE MIX 1-5.
 3. LENGTH OF DRIVEWAY WORK SHALL BE 4'-0" UNLESS OTHERWISE SHOWN ON PLANS OR AS DIRECTED.
 4. MAINTAIN EXISTING DIRECTION OF FLOW ON DRIVEWAY.
 5. DENSE GRADED AGGREGATE BASE COURSE SHALL BE USED TO PROVIDE TEMPORARY ACCESS DURING DRIVEWAY CONSTRUCTION.
 6. GRANULAR MATERIAL FROM THE PROJECT OR SOIL AGGREGATE AS DIRECTED.
 7. NO BASE COURSE IS REQUIRED FOR DRIVEWAY.

NJDOT PAVEMENT SECTION
(WITHIN NJDOT R.O.W.)
N.T.S.

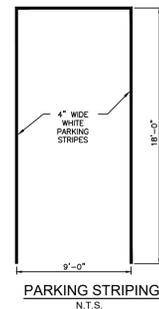


- GENERAL NOTES:**
1. DETECTABLE WARNINGS SHALL CONSIST OF A SURFACE OF TRUNCATED DOMES AND SHALL COMPLY DETECTABLE WARNINGS.
 2. TRUNCATED DOMES IN A DETECTABLE WARNING SURFACE SHALL HAVE A BASE DIAMETER OF 0.9 INCH (23 mm) MINIMUM AND 1.4 INCHES (36 mm) MAXIMUM, A TOP DIAMETER OF 50 PERCENT OF THE BASE DIAMETER MINIMUM TO 65 PERCENT OF THE BASE DIAMETER MAXIMUM, AND A HEIGHT OF 0.2 INCH (5.1 mm).
 3. TRUNCATED DOMES IN DETECTABLE WARNING SURFACE SHALL HAVE A CENTER-TO-CENTER SPACING OF 1.6 INCHES (41 mm) MINIMUM AND 2.4 INCHES (61 mm) MAXIMUM, AND A BASE-TO-BASE SPACING OF 0.65 INCH (17 mm) MINIMUM, MEASURED BETWEEN THEIR MOST ADJACENT DOMES ON A SQUARE GRID.
 4. DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT WALKING SURFACES EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT.

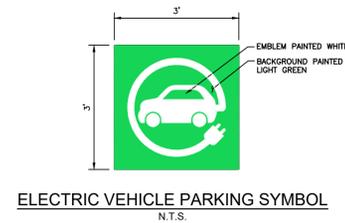
DETECTABLE WARNING DETAIL
N.T.S.



ASPHALT DRIVEWAY DETAIL
N.T.S.



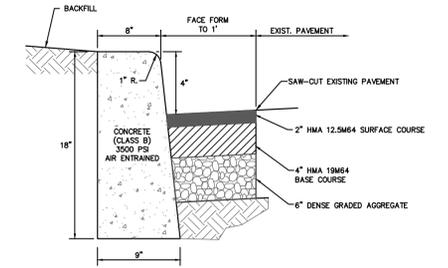
PARKING STRIPING
N.T.S.



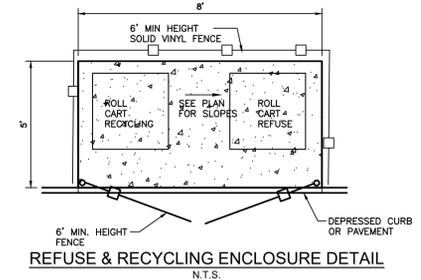
ELECTRIC VEHICLE PARKING SYMBOL
N.T.S.



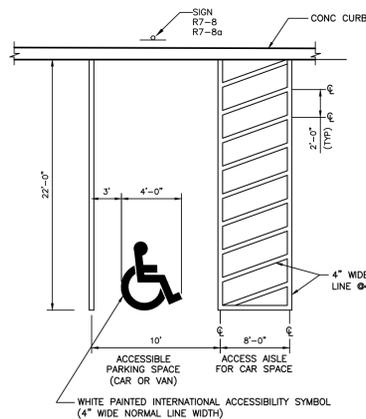
ELECTRIC VEHICLE SIGN
N.T.S.



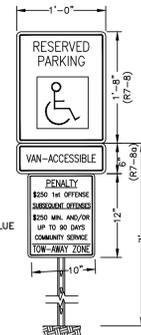
CONCRETE CURB AND PAVEMENT SECTION (NJDOT)
N.T.S.



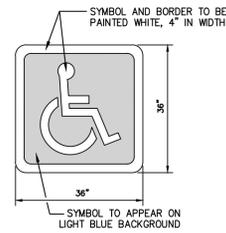
REFUSE & RECYCLING ENCLOSURE DETAIL
N.T.S.



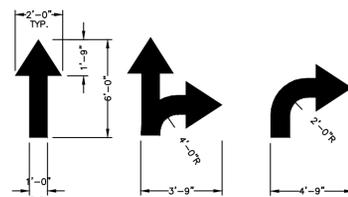
TYPICAL 90° ACCESSIBLE PARKING SPACE
N.T.S.



RESERVED PARKING SIGN
N.T.S.



BARRIER FREE PARKING SYMBOL
N.T.S.



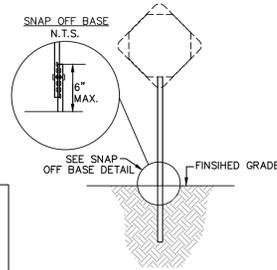
PAINTED TRAFFIC ARROWS
N.T.S.



NO PARKING FIRE LANE SIGN
R8-31
12" X 18"

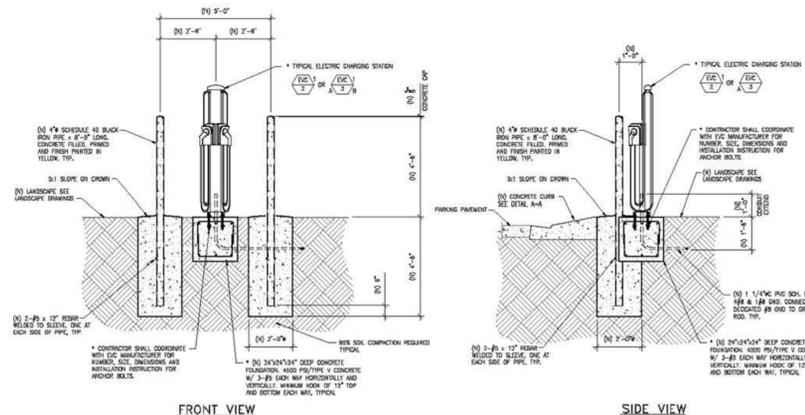


STOP SIGN
R1-1
30" X 30"



TRAFFIC SIGN DETAIL
N.T.S.

- SIGN NOTES:**
1. ALL SIGNS MUST BE IN ACCORDANCE WITH THE CURRENT "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS".
 2. SIGNS SHOWN ABOVE ARE STANDARD TRAFFIC SIGNS. SEE CONSTRUCTION PLANS FOR SPECIFIC SIGNS TO BE UTILIZED ON THIS PROJECT.
 3. LETTERS, SYMBOLS AND BORDERS SHALL BE REFLECTORIZED.
 4. SIGNS SHALL BE DIRECTED WITH THE BOTTOM OF THE SIGN NOT LESS THAN 4" ABOVE THE PAVEMENT OR GRADE ON AS SHOWN OR DIRECTED.



ELECTRIC VEHICLE CHARGING STATION
N.T.S.

<p>THE OWNER OR HIS/HER DESIGNATED REPRESENTATIVE SHALL NOTIFY THE UNDERSIGNED PROFESSIONAL IMMEDIATELY IF CONDITIONS ARE ENCOUNTERED ON-SITE CONTRARY TO THOSE DEPICTED ON THIS PLAN. THE UNDERSIGNED PROFESSIONAL SHALL BE GRANTED ACCESS TO THE SITE AND PROVIDED ADEQUATE TIME TO REVIEW AND, IF NECESSARY, AMEND THE DESIGN BASED UPON THE OWNER'S SITE CONDITIONS.</p>			
<p>CERTIFICATE OF AUTHORIZATION: 24G428228900</p>			
		<p>P.O. BOX 6232 TOMS RIVER, N.J. 08754 TEL: 732-270-9690 FAX: 732-270-9691 www.morganengineeringllc.com</p>	
<p>DRAFT</p>			
<p>MATHEW R. WILDER NEW JERSEY PROFESSIONAL ENGINEER LICENSE No. 50652</p>			
<p>PRELIMINARY & FINAL MAJOR SITE PLAN</p>			
<p>DETAIL SHEET</p>			
<p>LOT 2.05</p>		<p>BLOCK 7232</p>	
<p>320 HIGHWAY 33 TOWNSHIP OF MANALAPAN</p>			
<p>COUNTY OF MONMOUTH</p>		<p>NEW JERSEY</p>	
Scale:	Drawn By:	Date:	Job #:
NTS	MK	10/20/25	E24-00321
			CAD File #
			SHEET #
			9 OF 9