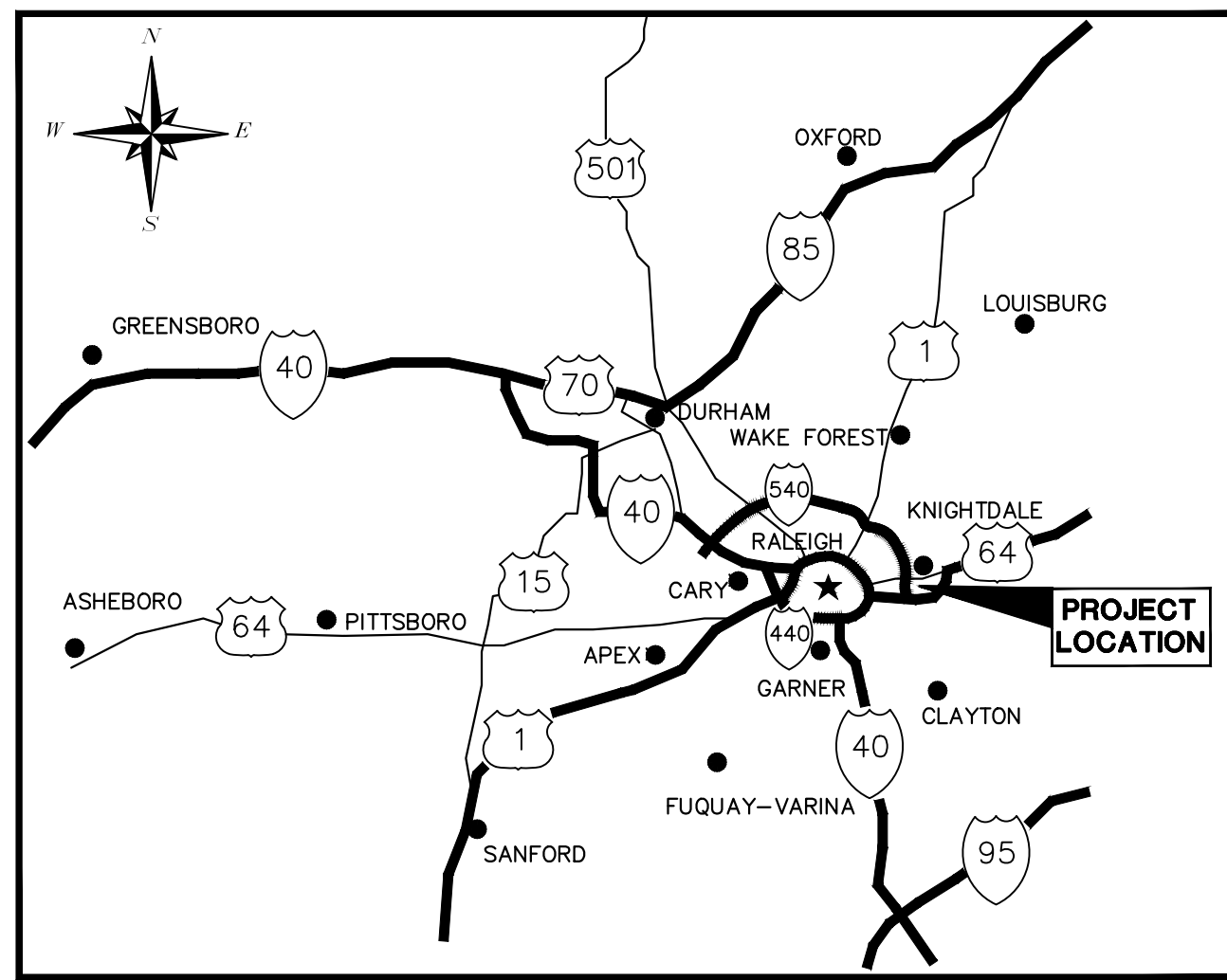


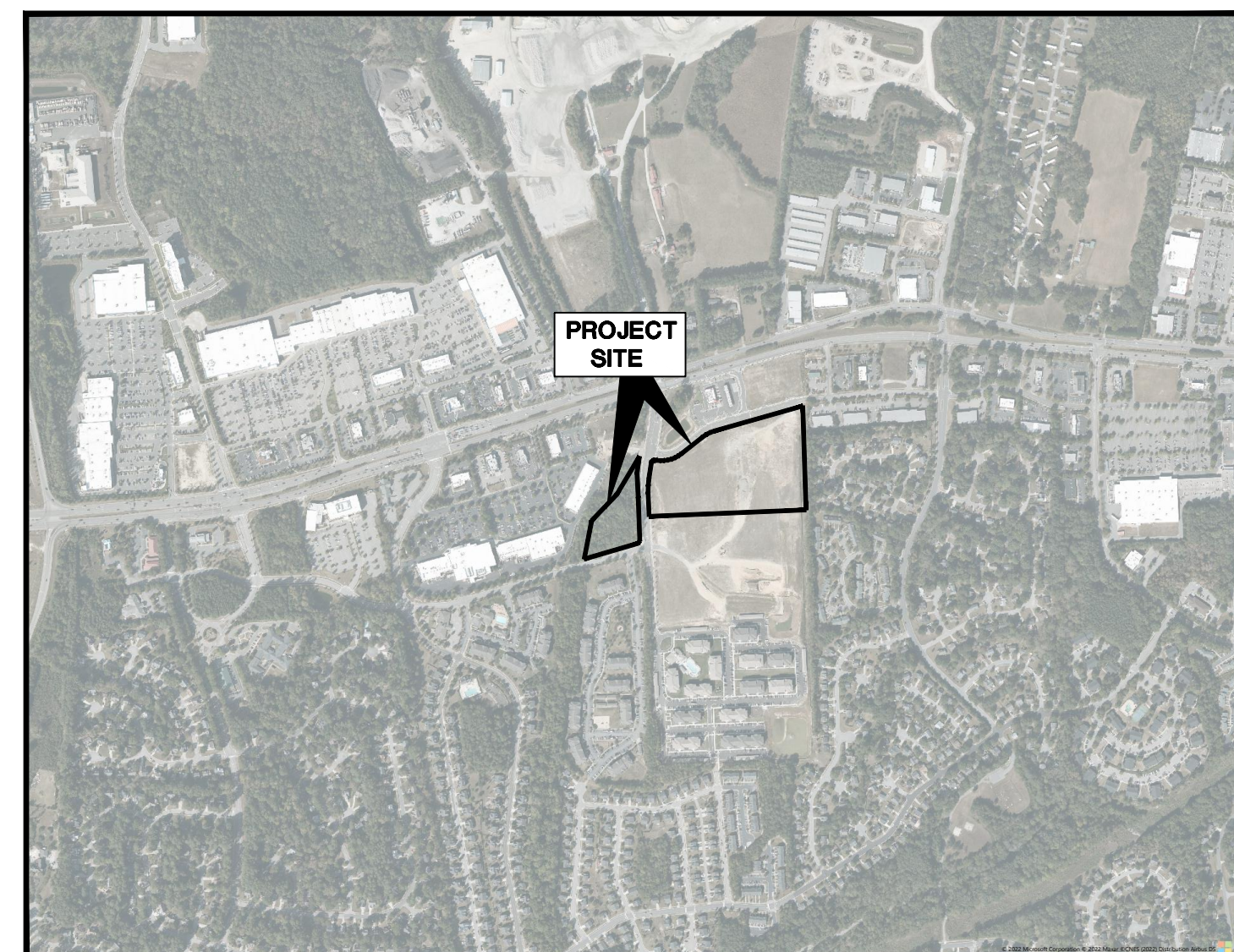
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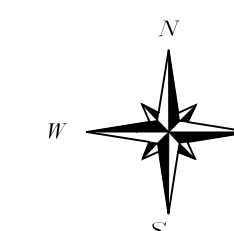
PROJECT LOCATION
NTS

MASTER PLAN SUBMITTAL FOR: DEWITT KNIGHTDALE MIXED-USE

901 PARKSTONE TOWNE BOULEVARD
KNIGHTDALE, NC 27545
TOWN OF KNIGHTDALE PROJECT #XXX



VICINITY MAP



SCALE: 1" = 1000'

SITE DATA	
EXISTING ZONING:	HBDD, HB
EXISTING USE:	UNDEVELOPED
PROPOSED ZONING:	NMX
PROPOSED USE:	MIXED USE (MULTI-FAMILY RESIDENTIAL, COMMERCIAL AND HOTEL)
MIXED USE SITE AREA:	11.02 ACRES
HOTEL USE SITE AREA:	3.07 ACRES
TOTAL SITE AREA:	14.02 ACRES
PROPERTY SETBACKS:	PRIMARY STREET = 10' ADJACENT TO UR-12 OR RMX = 10' ADJACENT TO GR8 = 30' ADJACENT TO NMX OR HB = 0'
PROJECT DATA	
PIN#	1744-84-3799
MIXED-USE PROPOSED # OF BUILDINGS	5 (105,250 GSF TOTAL)
BUILDING LOT COVERAGE	21.92% (105,250 SF/480,153 SF)
VEHICULAR SURFACE AREA	36.51% (175,322 SF/480,153 SF)
HOTEL:	
BUILDING LOT COVERAGE:	13.28% (17,327 SF/130,464 SF)
VEHICULAR SURFACE AREA(NEW):	29.83% (38,921 SF/130,464 SF)
PARKING FOR MIXED-USE LOT:	COMMERCIAL: RETAIL MAXIMUM: 6 PER KSF OF GFA =19.4 KSF RETAIL * 6 = 117 SPACES MINIMUM: 1/2 OF MAXIMUM=59 SPACES RESIDENTIAL MAXIMUM: 1.5 SPACES PER BED UP TO 3 PER UNIT 1 BED: 116 UNITS = 174 SPACES 2-3 BED: 186 UNITS = 558 SPACES TOTAL RESIDENTIAL MAXIMUM 732 SPACES MINIMUM: 1/2 OF MAXIMUM=366 SPACES MAXIMUM ALLOWED: 849 SPACES MINIMUM REQUIRED: 425 SPACES TOTAL PROVIDED: 491 SPACES
PARKING FOR HOTEL LOT:	MAXIMUM: 1.25 PER GUEST ROOM + 10 PER KSF LOUNGE + 25 PER KSF CONFERENCE ROOM 124 ROOMS * 1.25 + 3 KSF LOUNGE * 10 + 1 KSF CONFERENCE ROOM * 25 = 210 SPACES MINIMUM: 1/2 OF MAXIMUM =105 SPACES TOTAL PROVIDED: 108 SPACES
ON-STREET PARKING PROVIDED:	40 SPACES
TOTAL PARKING PROVIDED:	639 SPACES
ACCESSIBLE PARKING:	REQUIRED SPACES = 14 (INCLUDING 2 VAN SPACES) PROVIDED ADA: 14 SPACES PROVIDED VAN: 2 SPACES
BIKE PARKING FOR MIXED USE LOT:	COMMERCIAL: 1 PER EVERY 10 CAR SPACES 58 CAR SPACES = 6 BIKE SPACES RESIDENTIAL 1 PER EVERY 20 CAR SPACES 374 CAR SPACES = 19 BIKE SPACES TOTAL REQUIRED: 25 SPACES TOTAL PROVIDED: 25 SPACES
BIKE PARKING FOR HOTEL LOT:	TOTAL REQUIRED: 1 PER EVERY 10 CAR SPACES 108 CAR SPACES = 11 BIKE SPACES TOTAL PROVIDED: 11 SPACES
ALLOWABLE IMPERVIOUS AREA TO POND 2	22.28 AC
EX. IMPERVIOUS AREA	8.57 AC
PROP. MIXED-USE IMP. AREA	7.48 AC
REMAINING ADDITIONAL IMPERVIOUS AREA ALLOWED FOR POND 2	5.23 AC
OPEN SPACE ACREAGE:	SEE OPEN SPACE PLAN
TOTAL NUMBER OF PARCELS:	TWO (2)
TOTAL NUMBER OF HOUSING UNITS:	302
GROSS PROJECT DENSITY PER ACRE:	22.44
CONTROL POINT:	NODS "GORE" ELEV. 324.31 NORTHINGS: 745865.08 EASTINGS: 2151017.85

Sheet List Table	
Sheet Number	Sheet Title
C0.0	COVER SHEET
C1.0	EXISTING CONDITIONS AND DEMOLITION PLAN
C2.0	SITE PLAN
C2.1	SIGNAGE AND PAVEMENT MARKING PLAN
C3.0	GRADING AND DRAINAGE PLAN
C4.0	UTILITY PLAN
C5.0	OPEN SPACE PLAN
LS1.0	LANDSCAPE PLAN
LS2.0	LANDSCAPE DETAILS
11.0-11.1	LIGHTING PLAN
12.0	LIGHTING DETAILS
A1.0-A1.1	HOTEL ARCHITECTURAL ELEVATIONS
A3.01-A3.08	MULTI-USE BUILDING ARCHITECTURAL ELEVATIONS

PROJECT OWNER AND CONSULTANT

SITE DEVELOPER: KNIGHTDALE DEVELOPMENT COMPANY LLC AND WIDEWATERS KNIGHTDALE II COMPANY
PO BOX 3
DE WITT, NY 13214
PHONE: (704) 746-9844
ATTN: ERIC CANDEE
ecandee@widewaters.com

CIVIL ENGINEER: KIMLEY-HORN AND ASSOCIATES, INC.
421 FAYETTEVILLE ST., SUITE 600
RALEIGH, NORTH CAROLINA 27601
PHONE: (919) 653-2927
ATTN: CHRIS BOSTIC, P.E.
chris.bostic@kimley-horn.com

LANDSCAPE ARCHITECT: KIMLEY-HORN AND ASSOCIATES, INC.
421 FAYETTEVILLE ST., SUITE 600
RALEIGH, NORTH CAROLINA 27601
PHONE: (919) 653-2945
ATTN: RICHARD BROWN, PLA
richard.brown@kimley-horn.com

SURVEYOR: RWK, P.A.
101 W. MAIN ST., SUITE 202
GARNER, NC 27529
PHONE: (919) 779-4854
ATTN: CHUCK PIRATZKY
cpiratzky@rwkpa.com

PREPARED IN THE OFFICE OF:

Kimley»»Horn

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421 FAYETTEVILLE STREET - SUITE 600 - RALEIGH, NORTH CAROLINA 27601
PHONE: (919) 677-2000

NC CERTIFICATE OF AUTHORIZATION: F-0102

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF KNIGHTDALE AND/OR NCDOT STANDARDS AND SPECIFICATIONS.

WATER ALLOCATION: PREVIOUSLY APPROVED WITH OVERALL MIXED-USE PARKSTONE DEVELOPMENT

PRELIMINARY
NOT FOR CONSTRUCTION

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MARCH 28, 2022

SEAL:

JOB NUMBER:

017254013

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#F-0102

KHA PROJECT
017254013
DATE
03/28/2022
SCALE AS SHOWN
DESIGNED BY KEU
DRAWN BY KEU
CHECKED BY COB

COVER SHEET

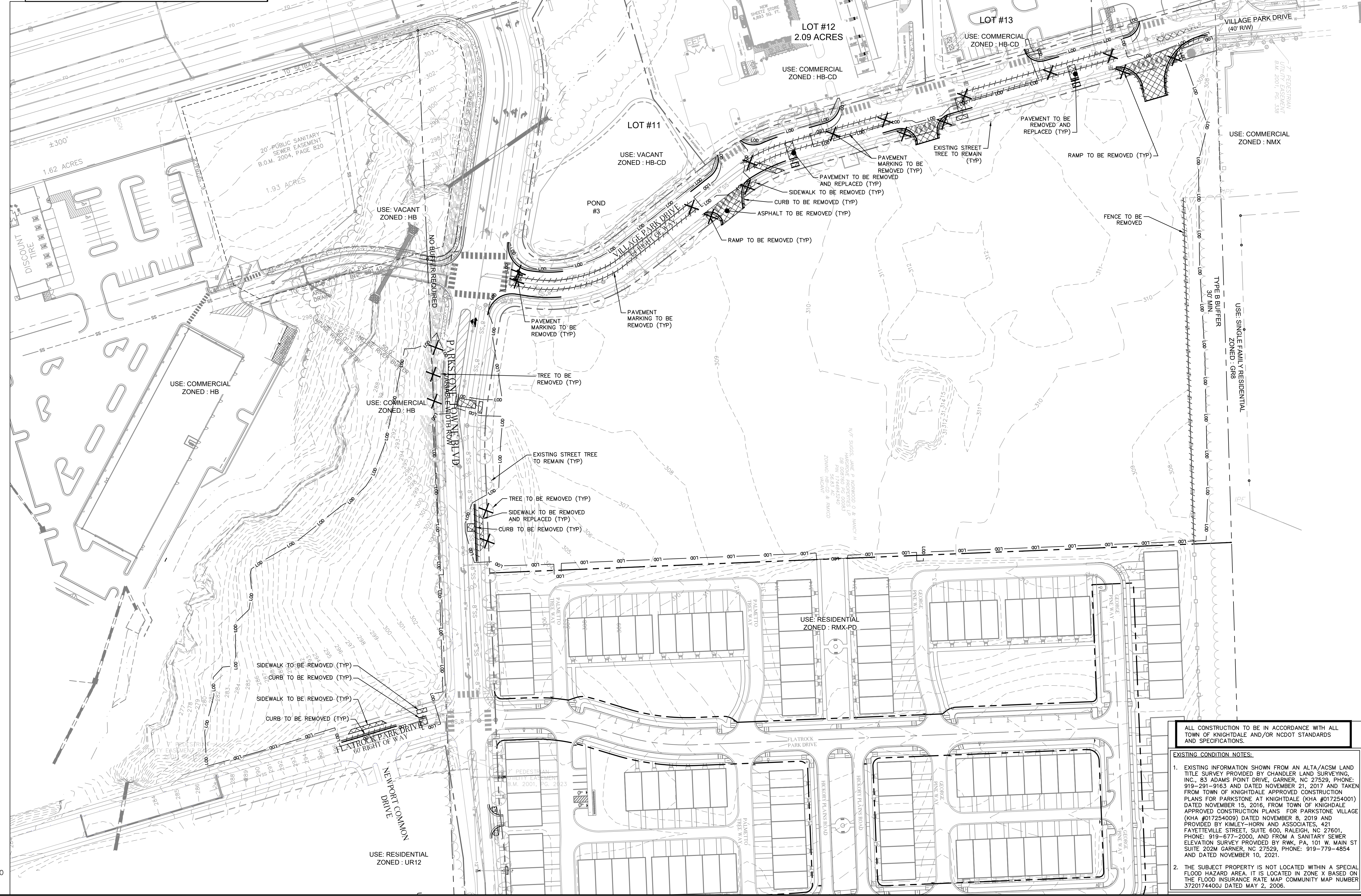
DEWITT KNIGHTDALE
PREPARED FOR
WIDEWATERS
TOWN OF KNIGHTDALE
NORTH CAROLINA

SHEET NUMBER
C0.0

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DEMOLITION LEGEND

	PROPERTY LINE
	CLEARING LIMITS
	DEMOLISH SITE ITEM
	DEMOLISH UNDERGROUND UTILITY
	ABANDON UTILITY IN PLACE
	SAWCUT
	DEMOLISH SITE ITEM/ TREE TO BE REMOVED
	BUILDINGS TO BE REMOVED
	SIDEWALK /PAVEMENT TO BE REMOVED



ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF KNIGHTDALE AND/OR NCDOT STANDARDS AND SPECIFICATIONS.

EXISTING CONDITION NOTES:

- EXISTING INFORMATION SHOWN FROM AN ALTA/ACSM LAND TITLE SURVEY PROVIDED BY CHANDLER LAND SURVEYING, INC., 83 ADAMS POINT DRIVE, GARNER, NC 27529. PHONE: 919-291-9163 AND DATED NOVEMBER 21, 2017 AND TAKEN FROM TOWN OF KNIGHTDALE APPROVED CONSTRUCTION PLANS FOR PARKSTONE AT KNIGHTDALE (KHA #017254001) DATED NOVEMBER 18, 2016, FROM TOWN OF KNIGHTDALE APPROVED CONSTRUCTION PLANS FOR PARKSTONE VILLAGE (KHA #017254009) DATED NOVEMBER 8, 2019 AND PROVIDED BY KIMLEY-HORN AND ASSOCIATES, 421 FAYETTEVILLE STREET, SUITE 600, RALEIGH, NC 27601. PHONE: 919-677-2000, AND FROM A SANITARY SEWER ELEVATION SURVEY PROVIDED BY RWK, PA, 101 W. MAIN ST SUITE 2024 GARNER, NC 27529. PHONE: 919-779-4854 AND DATED NOVEMBER 10, 2021.
- THE SUBJECT PROPERTY IS NOT LOCATED WITHIN A SPECIAL FLOOD HAZARD AREA. IT IS LOCATED IN ZONE X BASED ON THE FLOOD INSURANCE RATE MAP COMMUNITY MAP NUMBER 3720174400J DATED MAY 2, 2006.

NO.	REVISIONS	DATE

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KHA PROJECT	017254013
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CHECKED BY	COB

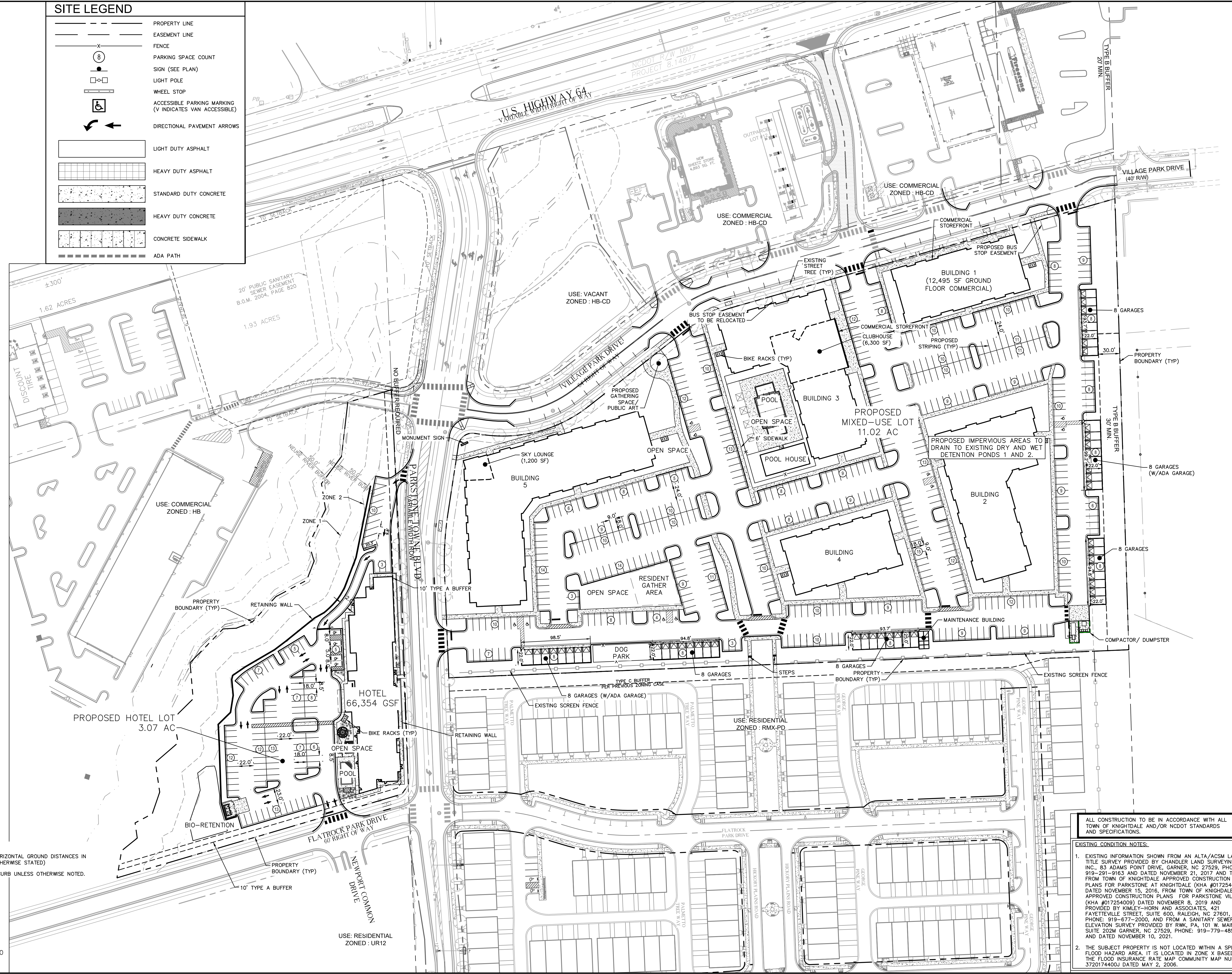
EXISTING CONDITIONS AND DEMOLITION PLAN

DEWITT KNIGHTDALE
PREPARED FOR
WIDEWATERS
TOWN OF KNIGHTDALE
NORTH CAROLINA

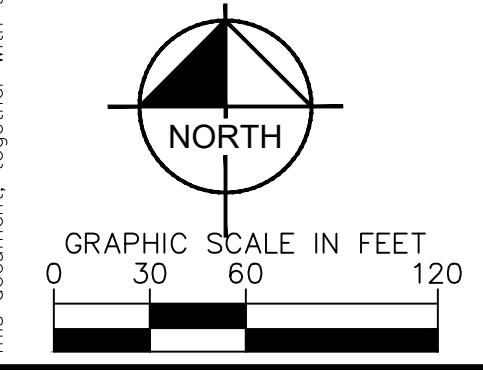
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SITE LEGEND	
	PROPERTY LINE
	EASEMENT LINE
	FENCE
	PARKING SPACE COUNT
	SIGN (SEE PLAN)
	LIGHT POLE
	WHEEL STOP
	ACCESSIBLE PARKING MARKING (V INDICATES VAN ACCESSIBLE)
	DIRECTIONAL PAVEMENT ARROWS
	LIGHT DUTY ASPHALT
	HEAVY DUTY ASPHALT
	STANDARD DUTY CONCRETE
	HEAVY DUTY CONCRETE
	CONCRETE SIDEWALK
	ADA PATH



- NOTE:
- ALL DISTANCES SHOWN ARE HORIZONTAL GROUND DISTANCES IN U.S. SURVEY FEET. (UNLESS OTHERWISE STATED)
 - DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.



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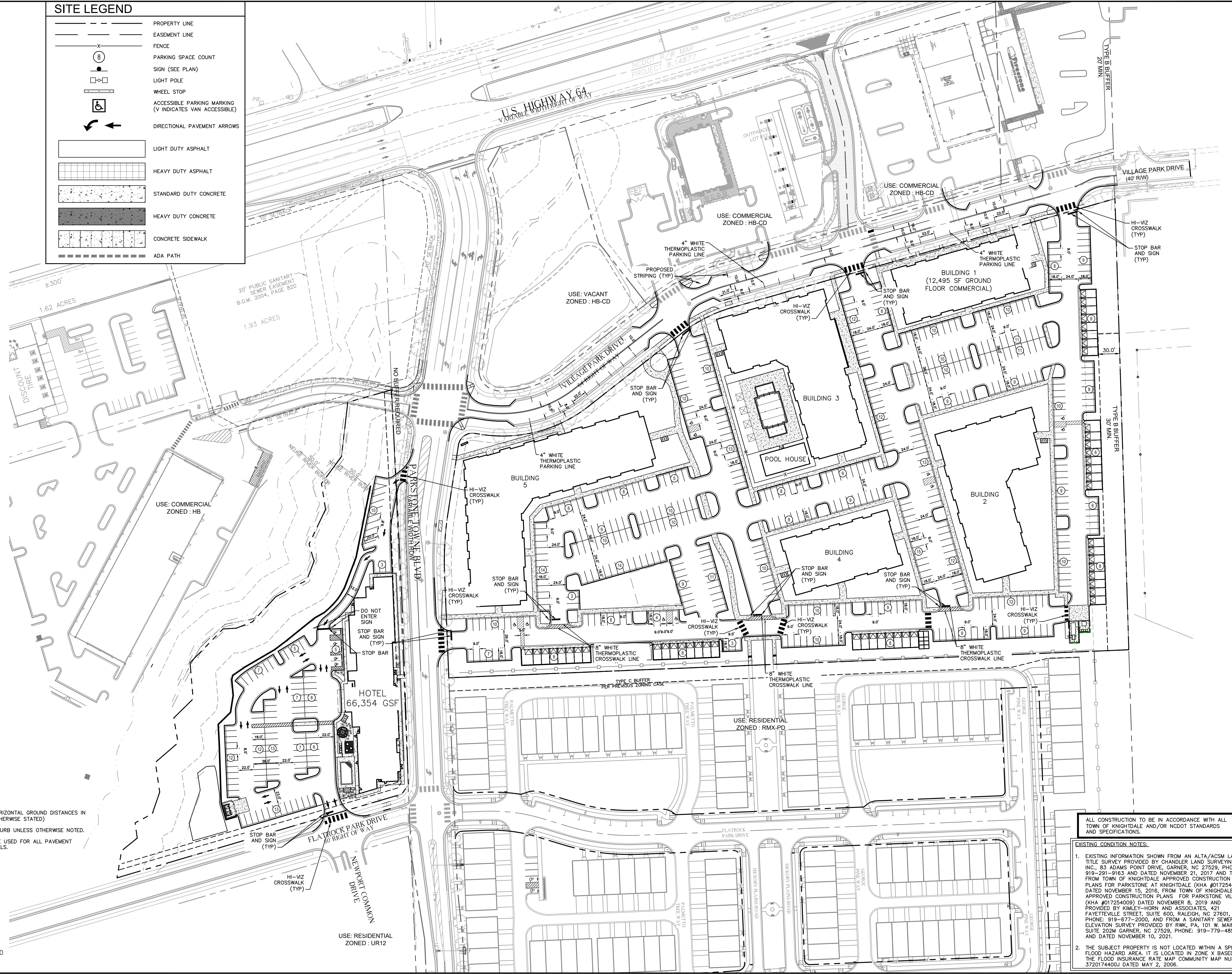
KHA PROJECT	017254013
DATE	03/28/2022
SCALE	AS SHOWN
DESIGNED BY	KEJ
DRAWN BY	KEJ
CHECKED BY	COB

SITE PLAN
 DEWITT KNIGHTDALE
 PREPARED FOR
WIDEWATERS
 NORTH CAROLINA

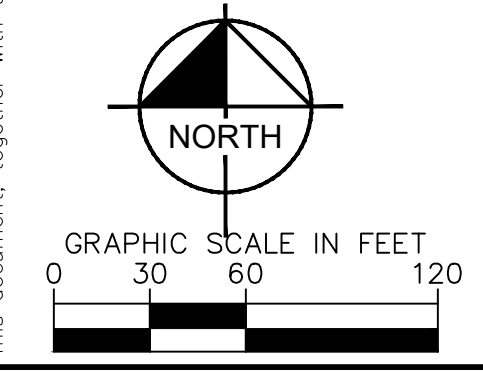
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SITE LEGEND	
	PROPERTY LINE
	EASEMENT LINE
	FENCE
	PARKING SPACE COUNT
	SIGN (SEE PLAN)
	LIGHT POLE
	WHEEL STOP
	ACCESSIBLE PARKING MARKING (V INDICATES VAN ACCESSIBLE)
	DIRECTIONAL PAVEMENT ARROWS
	LIGHT DUTY ASPHALT
	HEAVY DUTY ASPHALT
	STANDARD DUTY CONCRETE
	HEAVY DUTY CONCRETE
	CONCRETE SIDEWALK
	ADA PATH



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 2. DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
 3. THERMOPLASTIC STRIPING TO BE USED FOR ALL PAVEMENT STRIPING EXCEPT PARKING STALLS.



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SCALE	AS SHOWN
DESIGNED BY	KEU
DRAWN BY	KEU
CHECKED BY	COB

SIGNAGE AND PAVEMENT MARKING PLAN

DEWITT KNIGHTDALE
 PREPARED FOR
WIDEWATERS

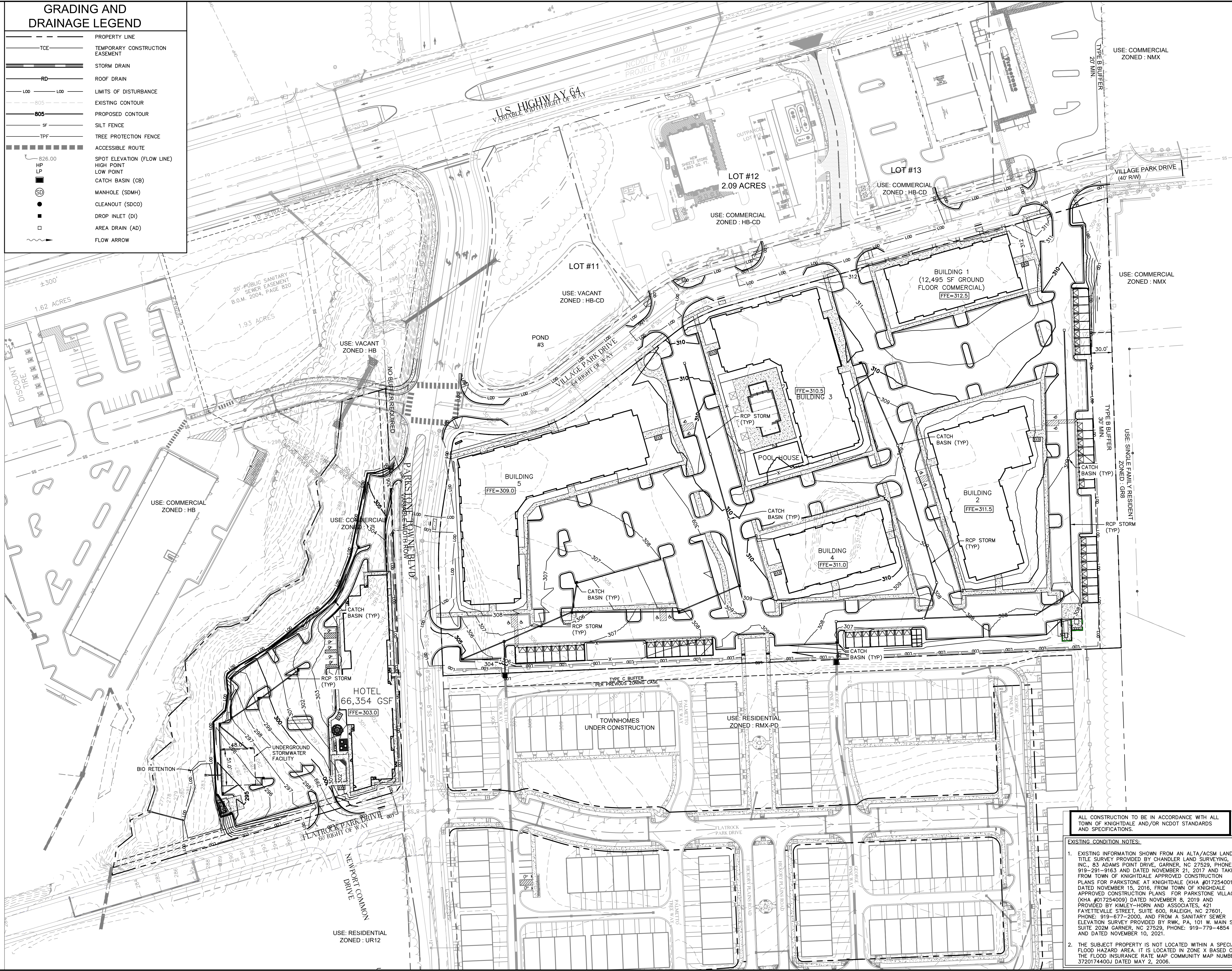
TOWN OF KNIGHTDALE
 NORTH CAROLINA

SHEET NUMBER
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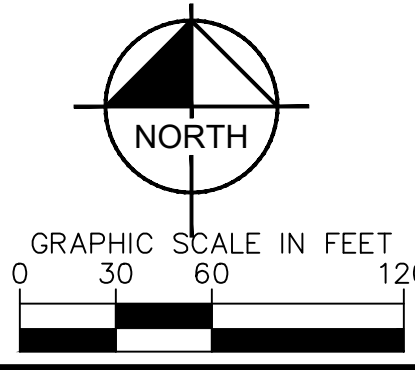
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GRADING AND DRAINAGE LEGEND

	PROPERTY LINE
	TEMPORARY CONSTRUCTION EASEMENT
	STORM DRAIN
	ROOF DRAIN
	LIMITS OF DISTURBANCE
	EXISTING CONTOUR
	PROPOSED CONTOUR
	SILT FENCE
	TREE PROTECTION FENCE
	ACCESSIBLE ROUTE
	SPOT ELEVATION (FLOW LINE)
	HIGH POINT
	LOW POINT
	CATCH BASIN (CB)
	MANHOLE (SDMH)
	CLEANOUT (SDCO)
	DROP INLET (DI)
	AREA DRAIN (AD)
	FLOW ARROW



ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF KNIGHTDALE AND/OR NCDOT STANDARDS AND SPECIFICATIONS.
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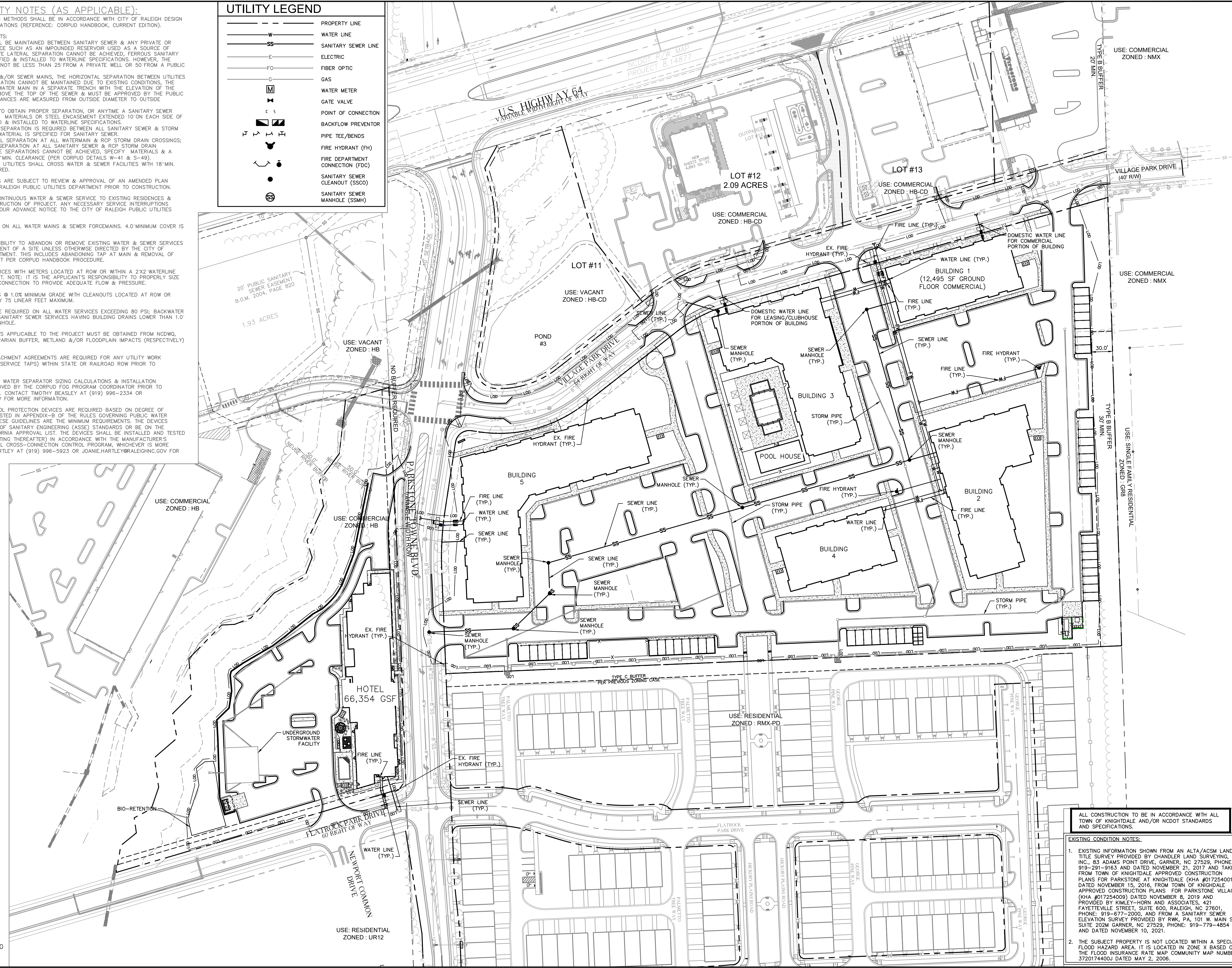
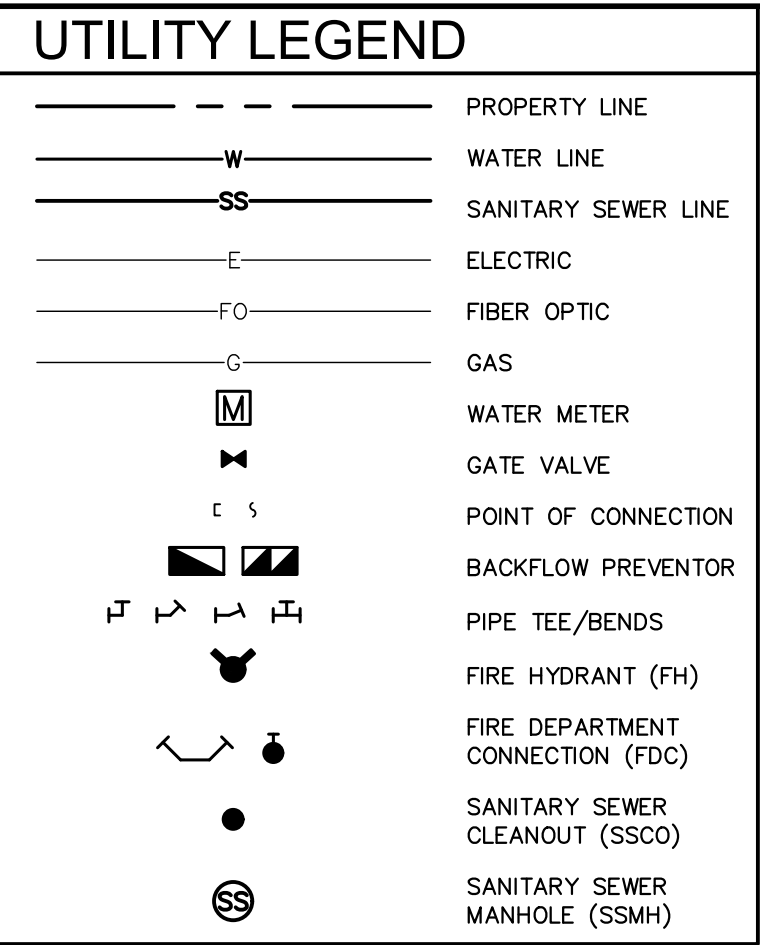
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GRADING AND DRAINAGE PLAN

DEWITT KNIGHTDALE
 PREPARED FOR
WIDEWATERS
 NORTH CAROLINA
 TOWN OF KNIGHTDALE
 SHEET NUMBER
C3.0

- STANDARD UTILITY NOTES (AS APPLICABLE):**
- ALL MATERIALS & CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH CITY OF RALEIGH DESIGN STANDARDS, DETAILS & SPECIFICATIONS (REFERENCE: CORPUD HANDBOOK, CURRENT EDITION).
 - UTILITY SEPARATION REQUIREMENTS:
 - A DISTANCE OF 100' SHALL BE MAINTAINED BETWEEN SANITARY SEWER & ANY PRIVATE OR PUBLIC WATER SUPPLY SOURCE SUCH AS AN IMPOUNDED RESERVOIR USED AS A SOURCE OF DRINKING WATER. IF ADEQUATE LATERAL SEPARATION CANNOT BE ACHIEVED, FERROUS SANITARY SEWER PIPE SHALL BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS. HOWEVER, THE MINIMUM SEPARATION SHALL NOT BE LESS THAN 25' FROM A PRIVATE WELL OR 50' FROM A PUBLIC WELL.
 - WHEN INSTALLING WATER &/OR SEWER MAINS, THE HORIZONTAL SEPARATION BETWEEN UTILITIES SHALL BE 10' IF THIS SEPARATION CANNOT BE MAINTAINED DUE TO EXISTING CONDITIONS. THE VARIATION ALLOWED IS THE WATER MAIN IN A SEPARATE TRENCH WITH THE ELEVATION OF THE WATER MAIN AT LEAST 18" ABOVE THE TOP OF THE SEWER & MUST BE APPROVED BY THE PUBLIC UTILITIES DIRECTOR. ALL DISTANCES ARE MEASURED FROM OUTSIDE DIAMETER TO OUTSIDE DIAMETER.
 - WHERE IT IS IMPOSSIBLE TO OBTAIN PROPER SEPARATION, OR ANYTIME A SANITARY SEWER PASSES OVER A WATERMAIN, MATERIALS OR STEEL ENCASUREMENT EXTENDED 10' ON EACH SIDE OF CROSSING MUST BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS.
 - 5.0' MINIMUM HORIZONTAL SEPARATION IS REQUIRED BETWEEN ALL SANITARY SEWER & STORM SEWER FACILITIES, UNLESS MATERIAL IS SPECIFIED FOR SANITARY SEWER.
 - MAINTAIN 18" MIN. VERTICAL SEPARATION AT ALL WATERMAIN & RCP STORM DRAIN CROSSINGS; MAINTAIN 24" MIN. VERTICAL SEPARATION AT ALL SANITARY SEWER & RCP STORM DRAIN CROSSINGS. WHERE ADEQUATE SEPARATIONS CANNOT BE ACHIEVED, SPECIFY MATERIALS & A CONCRETE CRADLE HAVING 6" MIN. CLEARANCE (PER CORPUD DETAILS W-41 & S-49).
 - ALL OTHER UNDERGROUND UTILITIES SHALL CROSS WATER & SEWER FACILITIES WITH 18" MIN. VERTICAL SEPARATION REQUIRED.
 - ANY NECESSARY FIELD REVISIONS ARE SUBJECT TO REVIEW & APPROVAL OF AN AMENDED PLAN &/OR PROFILE BY THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT PRIOR TO CONSTRUCTION.
 - CONTRACTOR SHALL MAINTAIN CONTINUOUS WATER & SEWER SERVICE TO EXISTING RESIDENCES & BUSINESSES THROUGHOUT CONSTRUCTION OF PROJECT. ANY NECESSARY SERVICE INTERRUPTIONS SHALL BE PRECEDED BY A 24 HOUR ADVANCE NOTICE TO THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT.
 - 3.0' MINIMUM COVER IS REQUIRED ON ALL WATER MAINS & SEWER FORCEMAINS. 4.0' MINIMUM COVER IS REQUIRED ON ALL REUSE MAINS.
 - IT IS THE DEVELOPER'S RESPONSIBILITY TO ABANDON OR REMOVE EXISTING WATER & SEWER SERVICES NOT BEING USED IN REDEVELOPMENT OF A SITE UNLESS OTHERWISE DIRECTED BY THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT. THIS INCLUDES ABANDONING TAP AT MAIN & REMOVAL OF SERVICE FROM ROW OR EASEMENT PER CORPUD HANDBOOK PROCEDURE.
 - INSTALL 2" COPPER WATER SERVICES WITH METERS LOCATED AT ROW OR WITHIN A 2X2' WATERLINE EASEMENT IMMEDIATELY ADJACENT. NOTE: IT IS THE APPLICANT'S RESPONSIBILITY TO PROPERLY SIZE THE WATER SERVICE FOR EACH CONNECTION TO PROVIDE ADEQUATE FLOW & PRESSURE.
 - INSTALL 6" PVC SEWER SERVICES @ 1.0% MINIMUM GRADE WITH CLEANOUTS LOCATED AT ROW OR EASEMENT LINE & SPACED EVERY 75' LINEAL FEET MAXIMUM.
 - PRESSURE REDUCING VALVES ARE REQUIRED ON ALL WATER SERVICES EXCEEDING 80 PSI; BACKWATER VALVES ARE REQUIRED ON ALL SANITARY SEWER SERVICES HAVING BUILDING DRAINS LOWER THAN 1.0' ABOVE THE NEXT UPSTREAM MANHOLE.
 - ALL ENVIRONMENTAL PERMITS APPLICABLE TO THE PROJECT MUST BE OBTAINED FROM NCDWQ, USACE &/OR FEMA FOR ANY RIPARIAN BUFFER, WETLAND &/OR FLOODPLAIN IMPACTS (RESPECTIVELY) PRIOR TO CONSTRUCTION.
 - NCDOT / RAILROAD ENCROACHMENT AGREEMENTS ARE REQUIRED FOR ANY UTILITY WORK (INCLUDING MAIN EXTENSIONS & SERVICE TAPS) WITHIN STATE OR RAILROAD ROW PRIOR TO CONSTRUCTION.
 - GREASE INTERCEPTOR / OIL WATER SEPARATOR SIZING CALCULATIONS & INSTALLATION SPECIFICATIONS SHALL BE APPROVED BY THE CORPUD FOG PROGRAM COORDINATOR PRIOR TO ISSUANCE OF A BUILDING PERMIT. CONTACT TIMOTHY BEASLEY AT (919) 996-2334 OR TIMOTHY.BEASLEY@RALEIGHNC.GOV FOR MORE INFORMATION.
 - CROSS-CONNECTION CONTROL PROTECTION DEVICES ARE REQUIRED BASED ON DEGREE OF HEALTH HAZARD INVOLVED AS LISTED IN APPENDIX-B OF THE RULES GOVERNING PUBLIC WATER SYSTEMS IN NORTH CAROLINA. THESE GUIDELINES ARE THE MINIMUM REQUIREMENTS. THE DEVICES SHALL MEET AMERICAN SOCIETY OF SANITARY ENGINEERING (ASSE) STANDARDS OR BE ON THE UNIVERSITY OF SOUTHERN CALIFORNIA APPROVAL LIST. THE DEVICES SHALL BE INSTALLED AND TESTED (BOTH INITIAL AND PERIODIC TESTING THEREAFTER) IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS OR THE LOCAL CROSS-CONNECTION CONTROL PROGRAM, WHICHEVER IS MORE STRINGENT. CONTACT JOANIE HARTLEY AT (919) 996-5923 OR JOANIE.HARTLEY@RALEIGHNC.GOV FOR MORE INFORMATION.

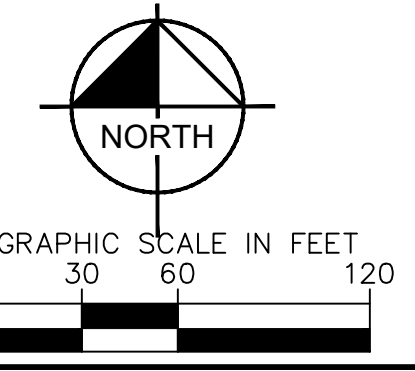


ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF KNIGHTDALE AND/OR NCDOT STANDARDS AND SPECIFICATIONS.

EXISTING CONDITION NOTES:

- EXISTING INFORMATION SHOWN FROM AN ALTA/ACSM LAND TITLE SURVEY PROVIDED BY CHANDLER LAND SURVEYING, INC., 83 ADAMS POINT DRIVE, GARNER, NC 27529. PHONE: 919-291-9163 AND DATED NOVEMBER 21, 2017 AND TAKEN FROM TOWN OF KNIGHTDALE APPROVED CONSTRUCTION PLANS FOR PARKSTONE AT KNIGHTDALE (KHA #017254001) DATED NOVEMBER 15, 2016, FROM TOWN OF KNIGHTDALE APPROVED CONSTRUCTION PLANS FOR PARKSTONE VILLAGE (KHA #017254009) DATED NOVEMBER 8, 2019 AND PROVIDED BY KIMLEY-HORN AND ASSOCIATES, 421 FAYETTEVILLE STREET, SUITE 600, RALEIGH, NC 27601. PHONE: 919-677-2000, AND FROM A SANITARY SEWER ELEVATION SURVEY PROVIDED BY RWK, PA, 101 W. MAIN ST SUITE 2024 GARNER, NC 27529. PHONE: 919-779-4854 AND DATED NOVEMBER 10, 2021.
- THE SUBJECT PROPERTY IS NOT LOCATED WITHIN A SPECIAL FLOOD HAZARD AREA. IT IS LOCATED IN ZONE X BASED ON THE FLOOD INSURANCE RATE MAP COMMUNITY MAP NUMBER 3720174400J DATED MAY 2, 2006.

Plotted By: jades, Katie, Sheet Set: DeWitt Knightdale - LDV04C4.0 UTILITY PLAN - March 28, 2022 - 10:48:07am
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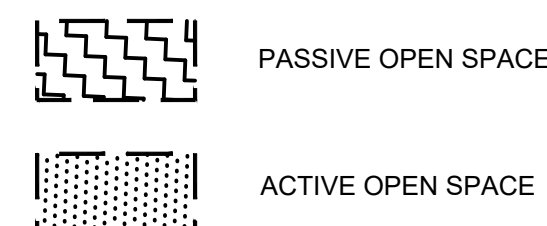
<p>Kimley-Horn</p> <p>© 2022 KIMLEY-HORN AND ASSOCIATES, INC. 421 FAYETTEVILLE STREET, SUITE 600, RALEIGH, NC 27601 PHONE: 919-677-2000 FAX: 919-677-2050 WWW.KIMLEY-HORN.COM #F-0102</p>		NO.	DATE
		REVISIONS	BY
<p>UTILITY PLAN</p>		KHA PROJECT	017254013
<p>DEWITT KNIGHTDALE</p> <p>PREPARED FOR</p> <p>WIDEWATERS</p>		DATE	03/28/2022
<p>TOWN OF KNIGHTDALE</p> <p>NORTH CAROLINA</p>		SCALE	AS SHOWN
<p>SHEET NUMBER</p> <p>C4.0</p>		DESIGNED BY	KEJ
<p>NO. OF SHEETS</p> <p>10</p>		DRAWN BY	KEJ
<p>DATE</p> <p>03/28/2022</p>		CHECKED BY	COB

Plotted By: Julie, Katie, Sheet Set: D:\Projects\Knightdale - LD\041625\0 OPEN SPACE PLAN - March 28, 2022 - 08:25:27am
 Kimley-Horn.com SE: RALPH.LOEW@KIMLEY-HORN.COM
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KEY OPEN SPACE NOTES:

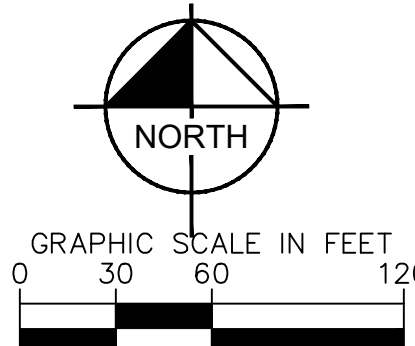
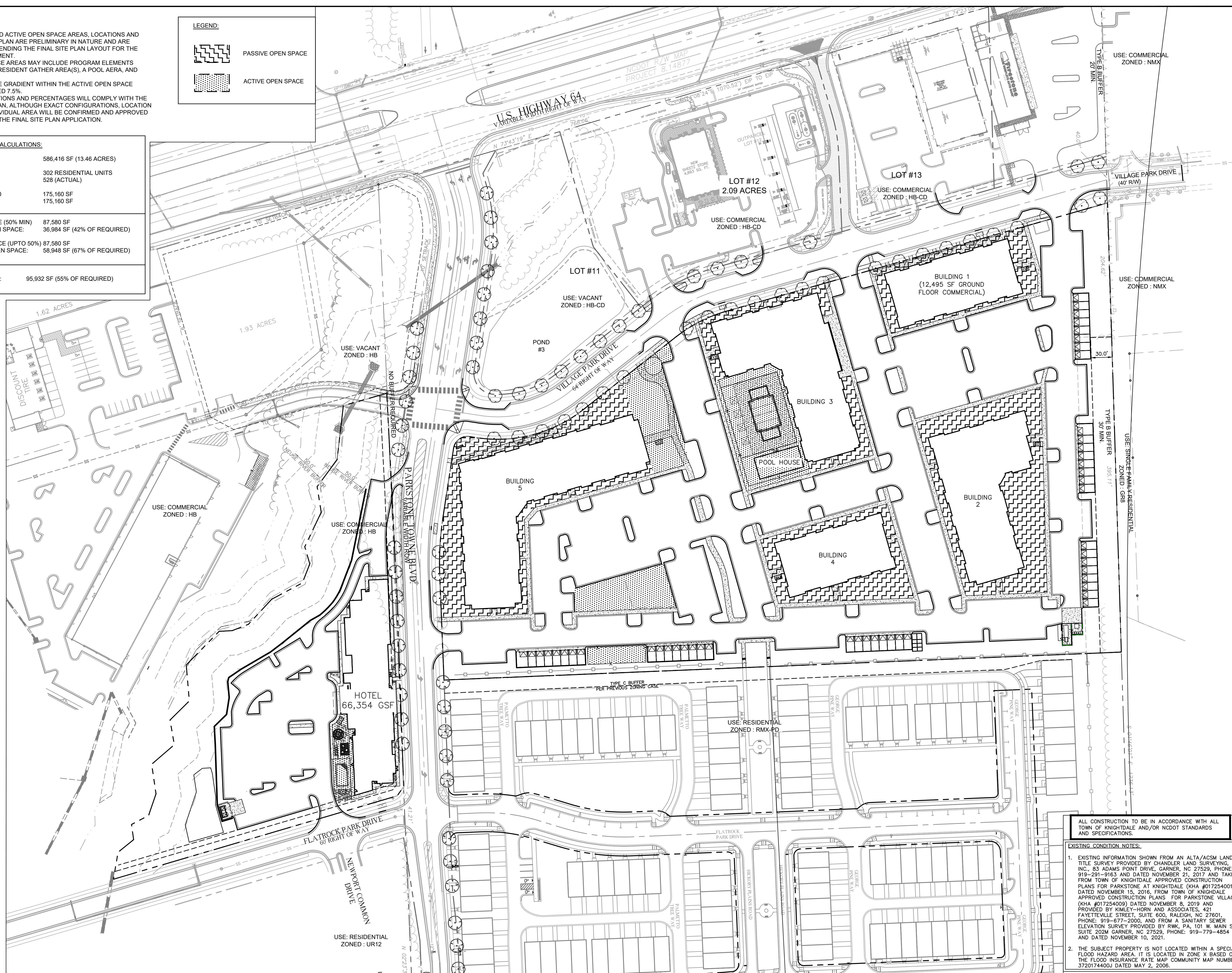
1. THE RECREATIONAL AND ACTIVE OPEN SPACE AREAS, LOCATIONS AND SIZES SHOWN ON THIS PLAN ARE PRELIMINARY IN NATURE AND ARE SUBJECT TO CHANGE PENDING THE FINAL SITE PLAN LAYOUT FOR THE TOWN HOME DEVELOPMENT.
2. THE ACTIVE OPEN SPACE AREAS MAY INCLUDE PROGRAM ELEMENTS SUCH AS A DOG PARK, RESIDENT GATHER AREA(S), A POOL AREA, AND GRILL/PICNIC AREA(S).
3. THE MAXIMUM AVERAGE GRADIENT WITHIN THE ACTIVE OPEN SPACE AREAS WILL NOT EXCEED 7.5%.
4. OPEN SPACE CALCULATIONS AND PERCENTAGES WILL COMPLY WITH THE APPROVED MASTER PLAN, ALTHOUGH EXACT CONFIGURATIONS, LOCATION AND SIZE OF EACH INDIVIDUAL AREA WILL BE CONFIRMED AND APPROVED IN CONJUNCTION WITH THE FINAL SITE PLAN APPLICATION.

LEGEND:



RECREATIONAL OPEN SPACE CALCULATIONS:

SITE AREA:	586,416 SF (13.46 ACRES)
MF UNITS	302 RESIDENTIAL UNITS
BEDROOMS	528 (ACTUAL)
OUTSIDE 1/2 MILE = 302 BR *580	175,160 SF
TOTAL REQUIRED OPEN SPACE	175,160 SF
REQUIRED ACTIVE OPEN SPACE (50% MIN)	87,580 SF
TOTAL PROVIDED ACTIVE OPEN SPACE:	36,984 SF (42% OF REQUIRED)
REQUIRED PASSIVE OPEN SPACE (UPTO 50%)	87,580 SF
TOTAL PROVIDED PASSIVE OPEN SPACE:	58,948 SF (67% OF REQUIRED)
TOTAL PROVIDED OPEN SPACE:	95,932 SF (55% OF REQUIRED)



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EXISTING CONDITION NOTES:

1. EXISTING INFORMATION SHOWN FROM AN ALTA/ACSM LAND TITLE SURVEY PROVIDED BY CHANDLER LAND SURVEYING, INC., 83 ADAMS POINT DRIVE, GARNER, NC 27529. PHONE: 919-291-9163 AND DATED NOVEMBER 21, 2017 AND TAKEN FROM TOWN OF KNIGHTDALE APPROVED CONSTRUCTION PLANS FOR PARKSTONE AT KNIGHTDALE (KHA #017254001) DATED NOVEMBER 18, 2016, FROM TOWN OF KNIGHTDALE APPROVED CONSTRUCTION PLANS FOR PARKSTONE VILLAGE (KHA #017254009) DATED NOVEMBER 8, 2019 AND PROVIDED BY KIMLEY-HORN AND ASSOCIATES, 421 FAYETTEVILLE STREET, SUITE 600, RALEIGH, NC 27601. PHONE: 919-677-2000, AND FROM A SANITARY SEWER ELEVATION SURVEY PROVIDED BY RWK, PA, 101 W. MAIN ST SUITE 2024 GARNER, NC 27529. PHONE: 919-779-4854 AND DATED NOVEMBER 10, 2021.
2. THE SUBJECT PROPERTY IS NOT LOCATED WITHIN A SPECIAL FLOOD HAZARD AREA. IT IS LOCATED IN ZONE X BASED ON THE FLOOD INSURANCE RATE MAP COMMUNITY MAP NUMBER 3720174400J DATED MAY 2, 2006.

NO.	REVISIONS	DATE	BY

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 421 FAYETTEVILLE STREET, SUITE 600, RALEIGH, NC 27601
 PHONE: 919-677-2000 FAX: 919-677-2050
 WWW.KIMLEY-HORN.COM #1-0102

KHA PROJECT	017254013
DATE	03/28/2022
SCALE	AS SHOWN
DESIGNED BY	KEJ
DRAWN BY	KEJ
CHECKED BY	COB

OPEN SPACE PLAN

DEWITT KNIGHTDALE
 PREPARED FOR
WIDEWATERS
 TOWN OF KNIGHTDALE
 NORTH CAROLINA

SHEET NUMBER
C5.0

Plotted By: Fullerton, Adam Sheet Set: DeWitt Knightdale Layout: C2.0 SITE PLAN March 28, 2022 10:45:03am \\kimley-horn.com\SE-RAL\RAL_DEVA\017254013_DeWitt Knightdale\Planning Phase\15-CAD Files\PlanSheets\LS1.0 LANDSCAPE PLAN.dwg
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PLANT SCHEDULE

CANOPY TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT.	CALIPER	HEIGHT
	PC	21	PISTACIA CHINENSIS	CHINESE PISTACHE	B&B	2" CAL.	10'-12' HT.
	PM	19	PLATANUS X ACERIFOLIA 'MORTON CIRCLE' TM	EXCLAMATION! LONDON PLANE TREE	B&B	2" CAL.	10'-12' HT.
	PT	18	PINUS TAEDA	LOBLOLLY PINE	B&B	2" CAL.	10'-12' HT.
	QS	16	QUERCUS SHUMARDII	SHUMARD OAK	B&B	2" CAL.	10'-12' HT.
	UE	20	ULMUS PARVIFOLIA 'BSNUPP' TM	EVERCLEAR LACEBARK ELM	B&B	2" CAL.	10'-12' HT.
UNDERSTORY TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT.	CALIPER	HEIGHT
	CU	11	CORNUS KOUSA 'RUTPINK' TM	SCARLET FIRE KOUSA DOGWOOD	B&B	1.5" CAL.	8'-10' HT.
	ML	12	MAGNOLIA GRANDIFLORA 'LITTLE GEM'	LITTLE GEM DWARF SOUTHERN MAGNOLIA	B&B	2" CAL.	6'-8' HT.
SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT.	HEIGHT	
	CH	18	CAMELLIA SASANQUA 'HANA-JIMAN'	HANA-JIMAN CAMELLIA	3 GAL	18" MIN.	
	OH	23	OSMANTHUS HETEROPHYLLUS 'GOSHIKI'	GOSHIKI HOLLY OLIVE	3 GAL	18" MIN.	

LANDSCAPE REQUIREMENTS & CALCULATIONS
 Town of Knightdale UDO

AREA TO BE LANDSCAPED	CODE REQUIREMENT	SITE LOCATION	MEASUREMENT	TOTAL QUANTITY REQUIRED	TOTAL QUANTITY PROVIDED
10' TYPE A BUFFER	PER 100 LF: 3 CANOPY TREES 2 UNDERSTORY TREES SCREENING FENCE	SOUTH PROPERTY LINE	936 LF	(936 / 100) x 3 = 29 CANOPY TREES (936 / 100) x 2 = 19 UNDERSTORY TREES	30 CANOPY TREES (80% EVERGREEN) 20 UNDERSTORY TREES (50% EVERGREEN)
30' TYPE C BUFFER	PER 100 LF: 5 CANOPY TREES 5 UNDERSTORY TREES 25 SHRUBS 40%-60% OF TREES MUST BE EVERGREEN 80% OF SHRUBS MUST BE EVERGREEN	EAST PROPERTY LINE	449 LF	(449 / 100) x 3 = 23 CANOPY TREES (449 / 100) x 5 = 23 UNDERSTORY TREES (449 / 100) x 25 = 113 SHRUBS	EXISTING UNDISTURBED BUFFER VEGETATION TO REMAIN
PARKING LOT SCREENING	SIDES OF PARKING LOTS ADJACENT TO STREET RIGHT-OF-WAYS SCREENED TO TYPE A BUFFER STANDARDS	SOUTH OF HOTEL LOT (FLATROCK PARK DRIVE)	111 LF	(111 / 100) x 3 = 4 CANOPY TREES (111 / 100) x 5 = 23 UNDERSTORY TREES (111 / 100) x 20 = 23 SHRUBS	4 CANOPY TREES (50% EVERGREEN) 3 UNDERSTORY TREES (50% EVERGREEN) 23 SHRUBS (100% EVERGREEN)
TREE COVER AREA	AREA EQUAL TO THE PERIMETER OF THE DEVELOPMENT MULTIPLIED BY 20 (UP TO 10% OF SITE)	SEE LANDSCAPE PLAN FOR LOCATION	1,832 LF*	1,832 x 20 = 36,640 SF	42,005 SF (STREAM BUFFER)

*TREE COVER AREA HAS BEEN CALCULATED TO INCLUDE THE HOTEL LOT ONLY THE MULTISEL LOT TREE COVER AREA WAS CALCULATED AND DOCUMENTED DURING PREVIOUS PHASES.

LEGEND

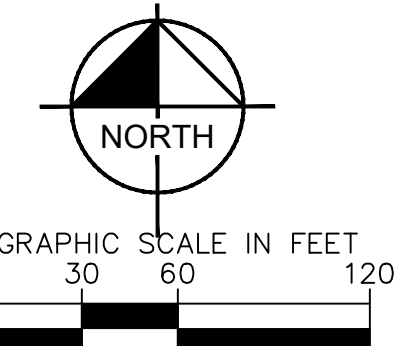
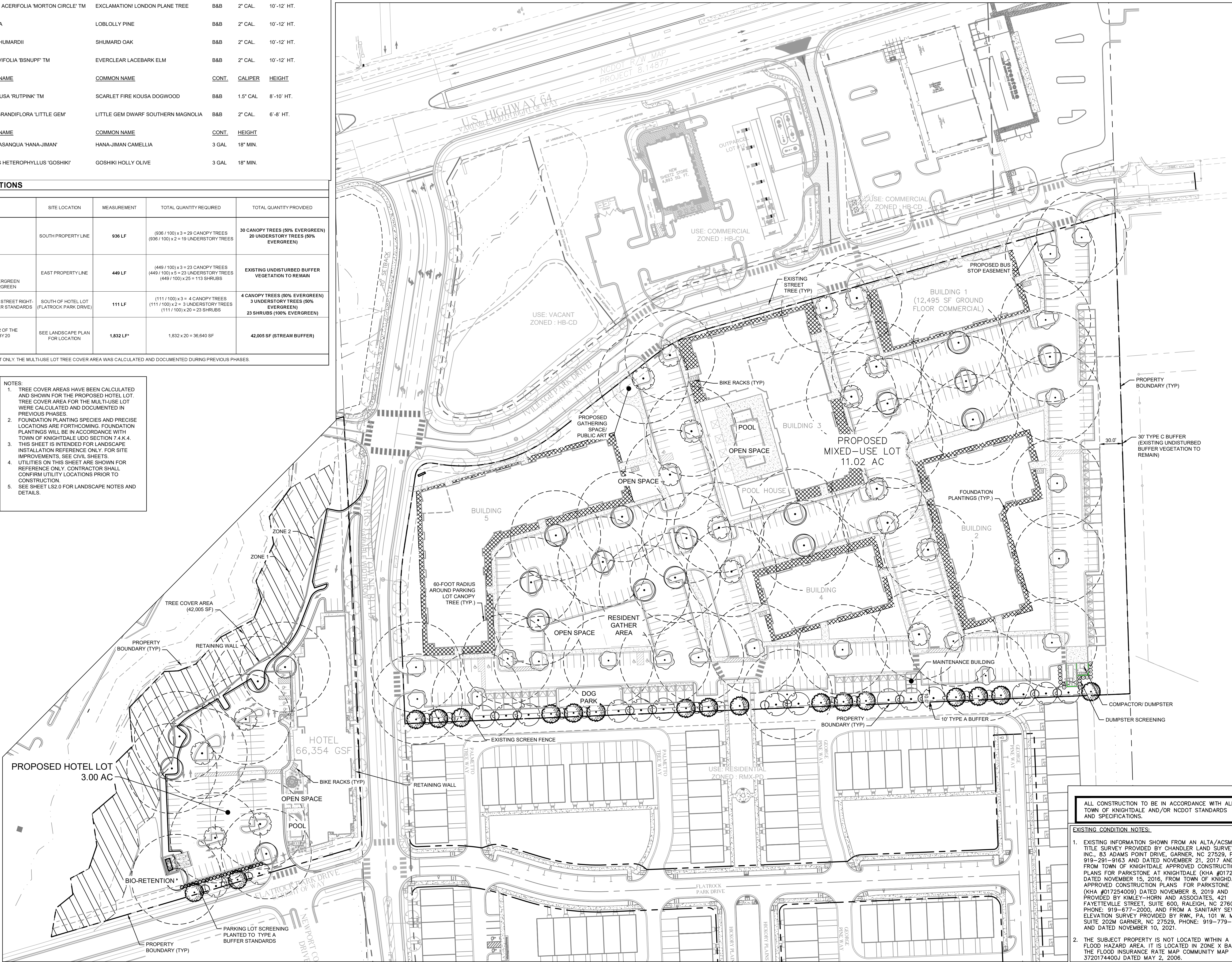
TREE COVER AREA (SEE NOTE 1)

FOUNDATION PLANTING (SEE NOTE 2)

60' RADIUS AROUND PARKING LOT CANOPY TREE

NOTES:

- TREE COVER AREAS HAVE BEEN CALCULATED AND SHOWN FOR THE PROPOSED HOTEL LOT. TREE COVER AREA FOR THE MULTI-USE LOT WERE CALCULATED AND DOCUMENTED IN PREVIOUS PHASES.
- FOUNDATION PLANTING SPECIES AND PRECISE LOCATIONS ARE FORTHCOMING. FOUNDATION PLANTINGS WILL BE IN ACCORDANCE WITH TOWN OF KNIGHTDALE UDO SECTION 7.4.K.4.
- THIS SHEET IS INTENDED FOR LANDSCAPE INSTALLATION REFERENCE ONLY. FOR SITE IMPROVEMENTS, SEE CIVIL SHEETS.
- UTILITIES ON THIS SHEET ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL CONFIRM UTILITY LOCATIONS PRIOR TO CONSTRUCTION.
- SEE SHEET LS2.0 FOR LANDSCAPE NOTES AND DETAILS.



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DEWITT KNIGHTDALE
 PREPARED FOR
WIDEWATERS
 TOWN OF KNIGHTDALE
 NORTH CAROLINA

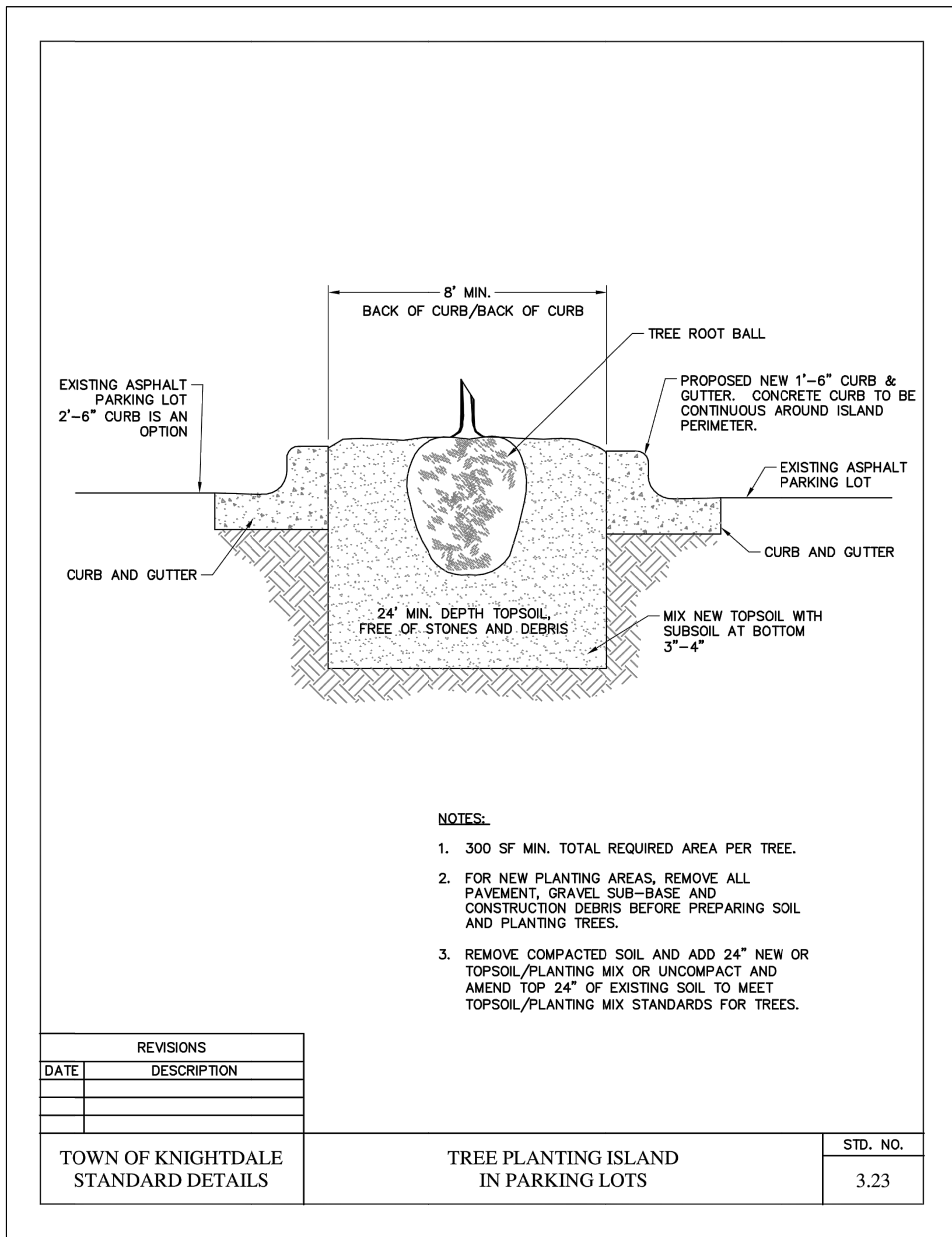
LANDSCAPE PLAN

KHA PROJECT: 017254013
 DATE: 03/28/2022
 SCALE: AS SHOWN
 DESIGNED BY: KEU
 DRAWN BY: KEU
 CHECKED BY: COB

SHEET NUMBER: **LS1.0**

NO.	REVISIONS	DATE

Plotted By: Fullerton, Adam - Sheet Set: DEWITT_Knightdale - Layout: LS2.0 LANDSCAPE DETAILS - March 28, 2022 10:45:10am - Kimley-Horn.com \\SE-RALL\RAL\LD\VA\017254013_DEWITT_Knightdale\Planting Phase\15_CAD_Files\Planting\15.1.LANDSCAPE DETAILS.dwg
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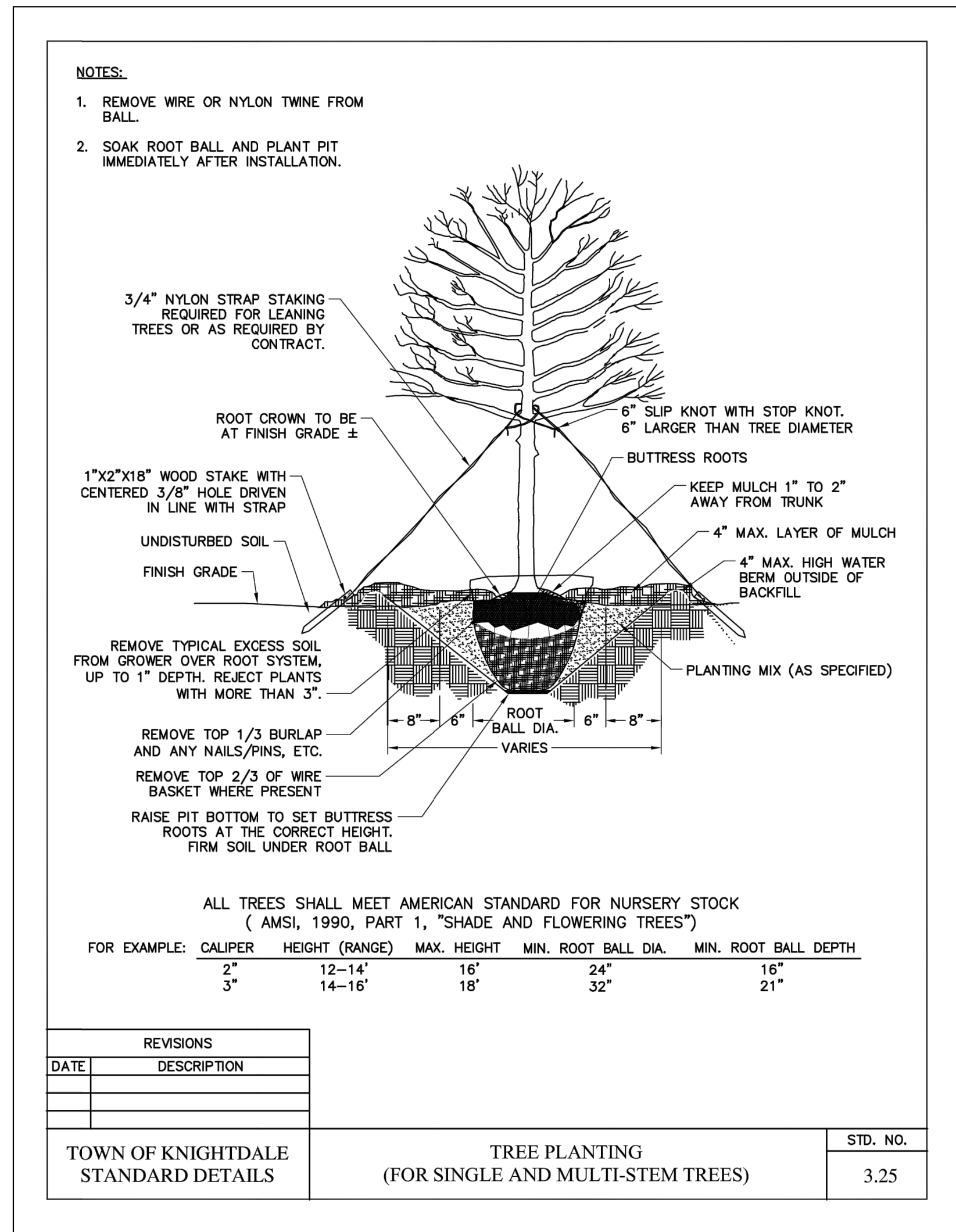


- NOTES:**
- 300 SF MIN. TOTAL REQUIRED AREA PER TREE.
 - FOR NEW PLANTING AREAS, REMOVE ALL PAVEMENT, GRAVEL SUB-BASE AND CONSTRUCTION DEBRIS BEFORE PREPARING SOIL AND PLANTING TREES.
 - REMOVE COMPACTED SOIL AND ADD 24" NEW OR TOPSOIL/PLANTING MIX OR UNCOMPACT AND AMEND TOP 24" OF EXISTING SOIL TO MEET TOPSOIL/PLANTING MIX STANDARDS FOR TREES.

REVISIONS		STD. NO.
DATE	DESCRIPTION	

TOWN OF KNIGHTDALE STANDARD DETAILS	TREE PLANTING ISLAND IN PARKING LOTS	3.23
--	---	------

1 TREE PLANTING ISLAND IN PARKING LOTS
L2.0 SCALE: NTS SECTION



- NOTES:**
- REMOVE WIRE OR NYLON TWINE FROM BALL.
 - SOAK ROOT BALL AND PLANT PIT IMMEDIATELY AFTER INSTALLATION.

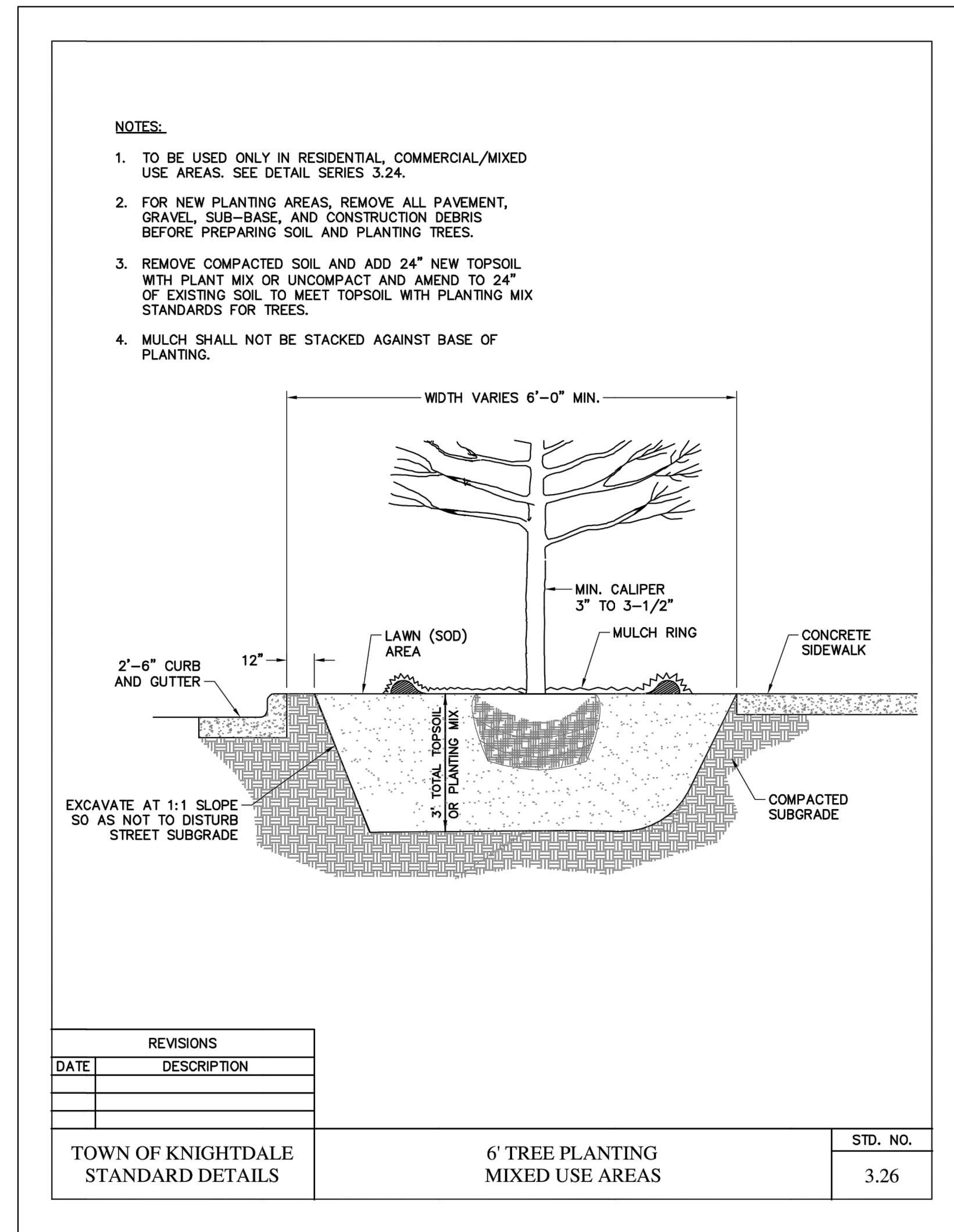
ALL TREES SHALL MEET AMERICAN STANDARD FOR NURSERY STOCK (AMSI, 1990, PART 1, "SHADE AND FLOWERING TREES")

FOR EXAMPLE:	CALIPER	HEIGHT (RANGE)	MAX. HEIGHT	MIN. ROOT BALL DIA.	MIN. ROOT BALL DEPTH
	2"	12-14'	16'	24"	16"
	3"	14-16'	18'	32"	21"

REVISIONS		STD. NO.
DATE	DESCRIPTION	

TOWN OF KNIGHTDALE STANDARD DETAILS	TREE PLANTING (FOR SINGLE AND MULTI-STEM TREES)	3.25
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2 TREE PLANTING FOR SINGLE AND MULTI-STEM TREES
L2.0 SCALE: NTS SECTION

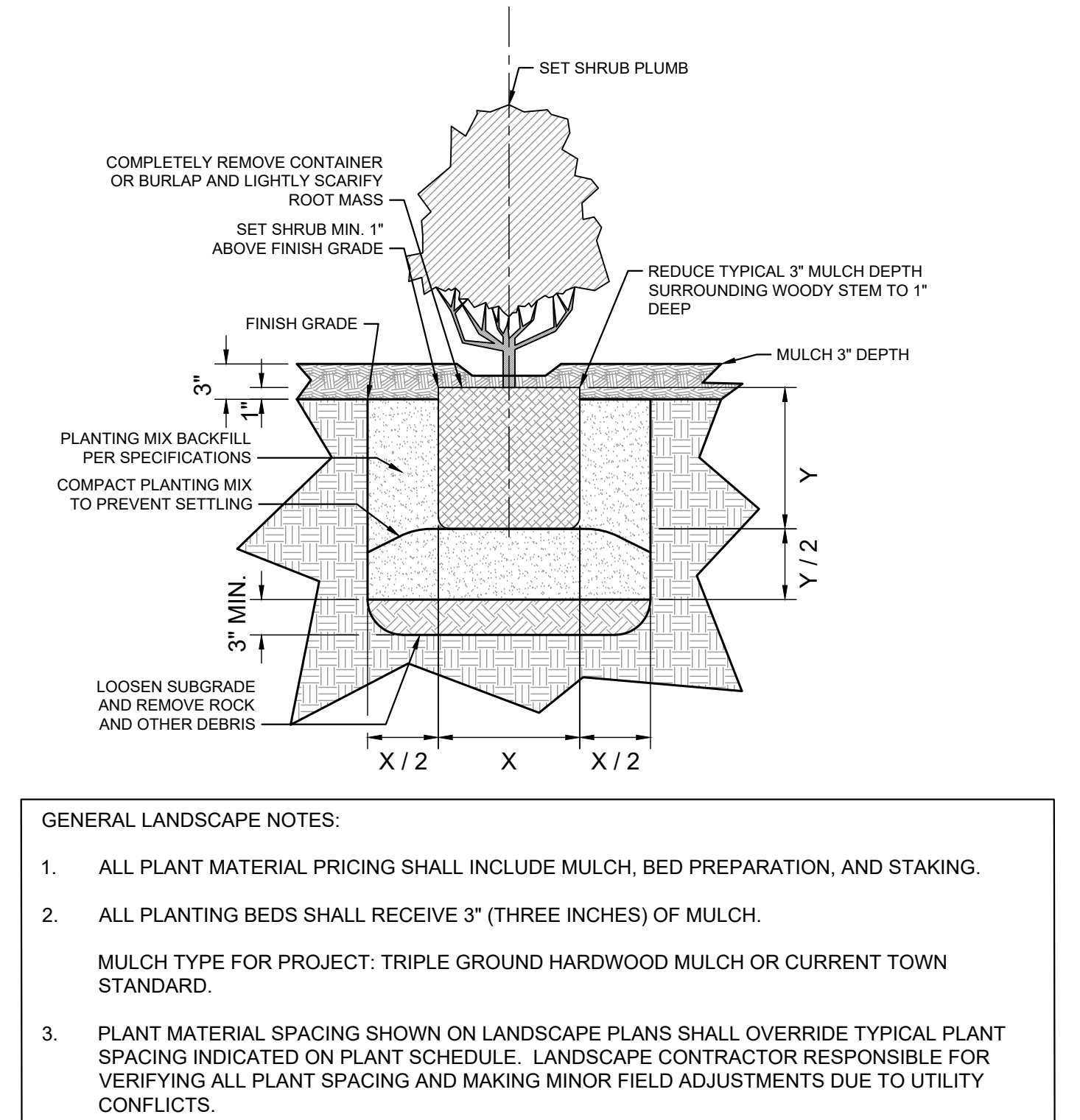


- NOTES:**
- TO BE USED ONLY IN RESIDENTIAL, COMMERCIAL/MIXED USE AREAS. SEE DETAIL SERIES 3.24.
 - FOR NEW PLANTING AREAS, REMOVE ALL PAVEMENT, GRAVEL, SUB-BASE, AND CONSTRUCTION DEBRIS BEFORE PREPARING SOIL AND PLANTING TREES.
 - REMOVE COMPACTED SOIL AND ADD 24" NEW TOPSOIL WITH PLANT MIX OR UNCOMPACT AND AMEND TO 24" OF EXISTING SOIL TO MEET TOPSOIL WITH PLANTING MIX STANDARDS FOR TREES.
 - MULCH SHALL NOT BE STACKED AGAINST BASE OF PLANTING.

REVISIONS		STD. NO.
DATE	DESCRIPTION	

TOWN OF KNIGHTDALE STANDARD DETAILS	6' TREE PLANTING MIXED USE AREAS	3.26
--	-------------------------------------	------

3 6' TREE PLANTING IN MIXED USE AREAS
L2.0 SCALE: NTS SECTION



- GENERAL LANDSCAPE NOTES:**
- ALL PLANT MATERIAL PRICING SHALL INCLUDE MULCH, BED PREPARATION, AND STAKING.
 - ALL PLANTING BEDS SHALL RECEIVE 3" (THREE INCHES) OF MULCH.
MULCH TYPE FOR PROJECT: TRIPLE GROUND HARDWOOD MULCH OR CURRENT TOWN STANDARD.
 - PLANT MATERIAL SPACING SHOWN ON LANDSCAPE PLANS SHALL OVERRIDE TYPICAL PLANT SPACING INDICATED ON PLANT SCHEDULE. LANDSCAPE CONTRACTOR RESPONSIBLE FOR VERIFYING ALL PLANT SPACING AND MAKING MINOR FIELD ADJUSTMENTS DUE TO UTILITY CONFLICTS.

4 TYPICAL SHRUB PLANTING
L2.0 SCALE: NTS SECTION

GENERAL LANDSCAPE NOTES:

- ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF PESTS AND DISEASE.
- ALL PLANTS MUST BE CONTAINER GROWN OR BALLED AND BURLAPPED AS INDICATED IN THE PLANT SCHEDULE.
- CONTRACTOR SHALL PROCURE ALL TREES OF LIKE SPECIES FROM THE SAME NURSERY. ALL TREES SHALL BE TAGGED AT THE NURSERY BY THE LANDSCAPE ARCHITECT PRIOR TO PURCHASE AND DELIVERY TO THE PROJECT SITE.
- ALL TREES MUST HAVE A STRAIGHT TRUNK AND FULL HEADED AND MEET ALL REQUIREMENTS SPECIFIED.
- ALL PLANT MATERIAL STORED ON SITE SHALL BE LOCATED OUT OF DIRECT SUNLIGHT.
- ALL SHADE TREES ADJACENT TO PEDESTRIAN WALKWAYS SHALL BE BRANCHED 6'-7' PER ANSI Z60.1 STANDARDS FOR HEIGHT OF BRANCHING - STREET TREES. ALL SHADE TREES LOCATED WITHIN VEHICLE SIGHT TRIANGLES SHALL BE BRANCHED MIN. 8' (MEASURED FROM ADJACENT PROJECTED CURB LINE ELEVATION) PER ANSI Z60.1 STANDARDS FOR HEIGHT OF BRANCHING - STREET TREES.
- ALL PLANTING BEDS AND TREE RINGS MUST BE COMPLETELY MULCHED AS SPECIFIED.
- ANY PLANT MATERIAL WHICH DIES, TURNS BROWN, OR DEFOLIATES (PRIOR TO SUBSTANTIAL COMPLETION OF THE WORK) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, AND SIZE AND MEETING ALL PLANT LIST SPECIFICATIONS.
- STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK" REPRESENT GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL.
- ALL SHRUB, GROUND COVER AND SEASONAL COLOR ANNUAL PLANTING BEDS ARE TO BE COMPLETELY COVERED WITH TRIPLE GROUND HARDWOOD MULCH TO A MINIMUM DEPTH OF THREE (3) INCHES.
- LOCATIONS OF EXISTING BURIED UTILITY LINES SHOWN ON THE PLANS ARE BASED UPON BEST AVAILABLE INFORMATION AND ARE TO BE CONSIDERED APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATIONS OF UTILITY LINES AND ADJACENT TO THE WORK AREA. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITY LINES DURING THE CONSTRUCTION PERIOD.
- SAFE, CLEARLY MARKED PEDESTRIAN AND VEHICULAR ACCESS TO ALL ADJACENT PROPERTIES MUST BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS.
- ALL PLANT MATERIAL QUANTITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE COVERAGE OF ALL PLANTING BEDS AT SPACING SHOWN.
- THE TOP OF ALL ROOT BALLS SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE, AS BORN TO PREVIOUS GRADE AND GROWING CONDITIONS.
- ALL ROOT BALLS REMOVED FROM CONTAINERS SHALL BE SCARIFIED PRIOR TO BACKFILLING.
- ALL STRAPPING AND TOP 2/3 OF WIRE BASKET MUST BE CUT AWAY AND REMOVED FROM ROOT BALL PRIOR TO BACKFILLING PLANTING PIT. REMOVE TOP 1/3 OF THE BURLAP FROM ROOT BALL.
- FOR NEW PLANTING AREAS, REMOVE ALL PAVEMENT, GRAVEL SUB-BASE AND CONSTRUCTION DEBRIS; REMOVE COMPACTED SOIL AND ADD 24" NEW TOPSOIL OR UNCOMPACT AND AMEND THE TOP 24" OF EXISTING SOIL TO MEET TOPSOIL PLANTING MIX STANDARDS FOR TREES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING TREES AND SHRUBS THAT WILL MEET BOTH MINIMUM SIZE AND SPACING FOR TREE AND UNIFIED DEVELOPMENT ORDINANCE COMPLIANCE. FAILURE TO INSTALL PLANT MATERIAL PER THIS PLAN WILL JEOPARDIZE ISSUANCE OF FINAL CERTIFICATE OF OCCUPANCY. CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING INSPECTIONS OF PLANT MATERIAL.
- THE CONTRACTOR SHALL INSTALL BLACK FABRIC MESH UNDER PLANTING BED MULCH TO PREVENT WEED GROWTH.
- CONTRACTOR SHALL MAINTAIN LANDSCAPING FOR AT LEAST 30 DAYS AFTER SODDING AND PLANTING SHRUBS, AND 60 DAYS AFTER SEEDING, OR AS LONG AS IS NECESSARY TO ESTABLISH UNIFORM STAND OF THE SPECIFIED GRASSES, OR UNTIL SUBSTANTIAL COMPLETION OF THE PROJECT, OR UNTIL ACCEPTANCE OF THE LAWNS AND SHRUBS, WHICHEVER IS LATER.
- ALL LANDSCAPE SHALL BE MAINTAINED IN PERPETUITY.

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF KNIGHTDALE AND/OR NCDOT STANDARDS AND SPECIFICATIONS.

EXISTING CONDITION NOTES:

- EXISTING INFORMATION SHOWN FROM AN ALTA/ACSM LAND TITLE SURVEY PROVIDED BY CHANDLER LAND SURVEYING, INC., 83 ADAMS POINT DRIVE, GARNER, NC 27529. PHONE: 919-291-9163 AND DATED NOVEMBER 21, 2017 AND TAKEN FROM TOWN OF KNIGHTDALE APPROVED CONSTRUCTION PLANS FOR PARKSTONE AT KNIGHTDALE (KHA #017254001) DATED NOVEMBER 15, 2016, FROM TOWN OF KNIGHTDALE APPROVED CONSTRUCTION PLANS FOR PARKSTONE VILLAGE (KHA #017254009) DATED NOVEMBER 8, 2019 AND PROVIDED BY KIMLEY-HORN AND ASSOCIATES, 421 FAYETTEVILLE STREET, SUITE 600, RALEIGH, NC 27601. PHONE: 919-677-2000, AND FROM A SANITARY SEWER ELEVATION SURVEY PROVIDED BY RWK, PA, 101 W. MAIN ST SUITE 202M GARNER, NC 27529. PHONE: 919-779-4854 AND DATED NOVEMBER 10, 2021.
- THE SUBJECT PROPERTY IS NOT LOCATED WITHIN A SPECIAL FLOOD HAZARD AREA. IT IS LOCATED IN ZONE X BASED ON THE FLOOD INSURANCE RATE MAP COMMUNITY MAP NUMBER 3720174400J DATED MAY 2, 2006.

DATE: _____

REVISIONS: _____

No. _____

Kimley»Horn

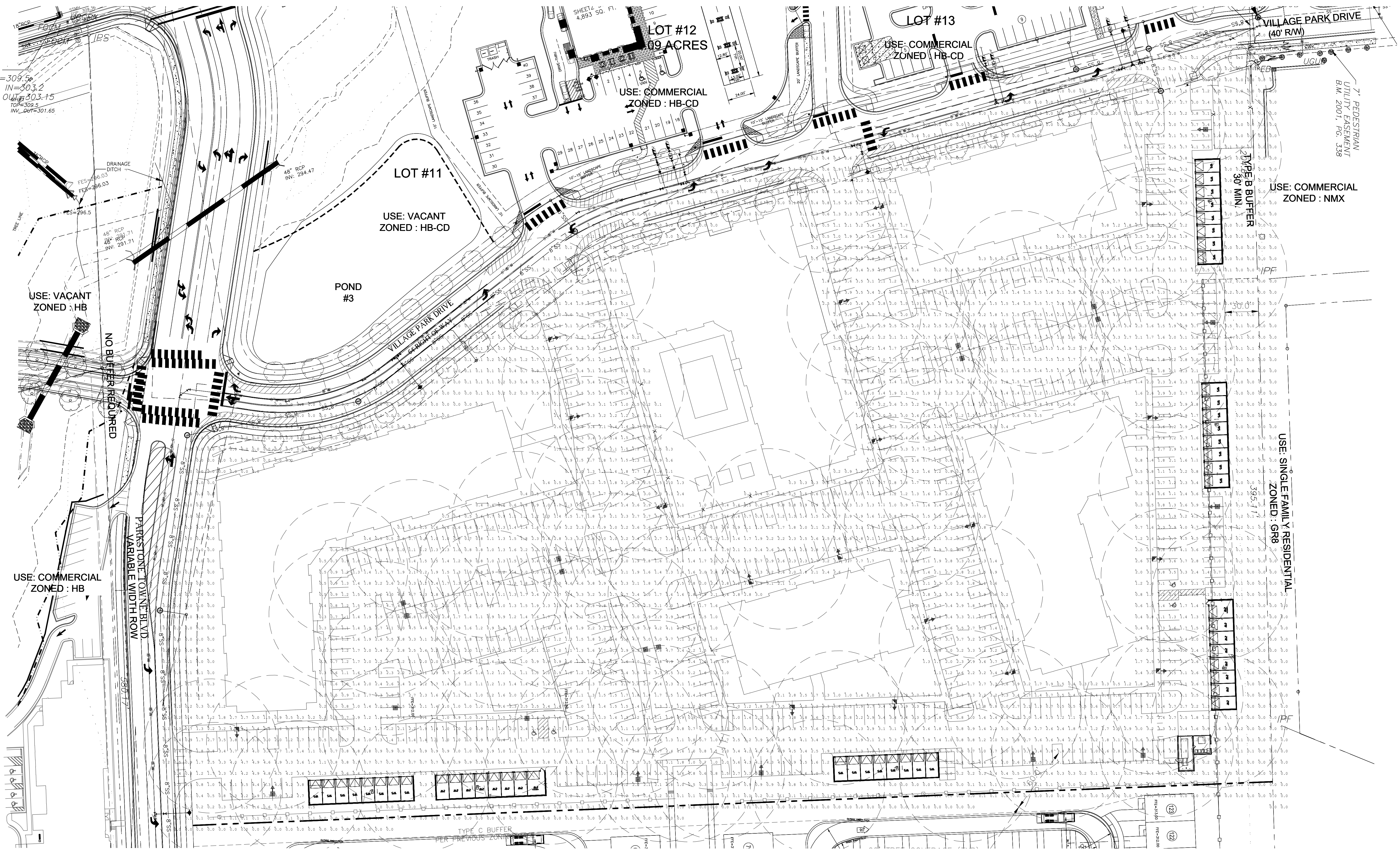
© 2022 KIMLEY-HORN AND ASSOCIATES, INC.
 421 FAYETTEVILLE STREET, SUITE 600, RALEIGH, NC 27601
 PHONE: 919-677-2000 FAX: 919-677-2050
 WWW.KIMLEY-HORN.COM
 #0102

LANDSCAPE DETAILS

DEWITT KNIGHTDALE
PREPARED FOR
WIDEWATERS

TOWN OF KNIGHTDALE
NORTH CAROLINA

SHEET NUMBER
LS2.0



INNOVATIVE LIGHTING SOLUTIONS
STEVE VARDEMAN
 817.925.7322
 1300 JENKINS RD.
 ALEDO, TX 76008

Project:

KNIGHTDALE, NC

SCALE: 1"= 40'

Notes:

PRICING CONTACT:
STEVE VARDEMAN
 817-925-7322

FILE:
 KNIGHTDALE.agi

Date:
 1-25-22

Calculation Summary								
Label	Units	Avg	Max	Min	Avg/Min	Max/Min	FtSpcLr	PtSpcTb
MIXED USE PARKING	Fc	2.29	5.1	0.5	4.58	10.20	10	10
RESIDENTIAL PARKING	Fc	2.14	5.0	0.5	4.28	10.00		

Luminaire Schedule							
Symbol	Qty	Label	Lum. Lumens	LLF	Description	Lum. Watts	
[Symbol A]	5	A	17636	0.950	MRS-LED-18L-SIL-5W-40-70CRI 25' MOUNTING HEIGHT	135	
[Symbol B]	2	B	17636	0.950	MRS-LED-18L-SIL-5W-40-70CRI 25' MOUNTING HEIGHT	135	
[Symbol C]	8	C	11444	0.950	MRS-LED-18L-SIL-FT-40-70CRI-IL 25' MOUNTING HEIGHT	135	
[Symbol D]	18	D	17682	0.950	MRS-LED-18L-SIL-FT-40-70CRI 25' MOUNTING HEIGHT	135	

- DUE TO CHANGING LIGHTING ORDINANCES IT IS THE CONTRACTORS RESPONSIBILITY TO SUBMIT THE SITE PHOTOMETRICS AND LUMINAIRE SPECS TO THE LOCAL INSPECTOR BEFORE ORDERING TO ENSURE THIS PLAN COMPLIES WITH LOCAL LIGHTING ORDINANCES.
 - THIS LIGHTING DESIGN IS BASED ON INFORMATION SUPPLIED BY OTHERS. CHANGES IN ELECTRICAL SUPPLY, AREA GEOMETRY AND OBJECTS WITHIN THE LIGHTED AREA MAY PRODUCE ILLUMINATION VALUES DIFFERENT FROM THE PREDICTED RESULTS SHOWN ON THIS LAYOUT.
 - THIS LAYOUT IS BASED ON .IES FILES THAT WERE LAB TESTED OR COMPUTER GENERATED. ACTUAL RESULTS MAY VARY.

**INNOVATIVE
LIGHTING
SOLUTIONS**

STEVE VARDEMAN
817.925.7322

1300 JENKINS RD.
ALEDO, TX 76008

Project:

**PARKSTONE
HOTEL**

SCALE: 1"= 20'

Notes:

REV 1: 03/24/22




PRICING CONTACT:
STEVE VARDEMAN
817-925-7322

FILE:

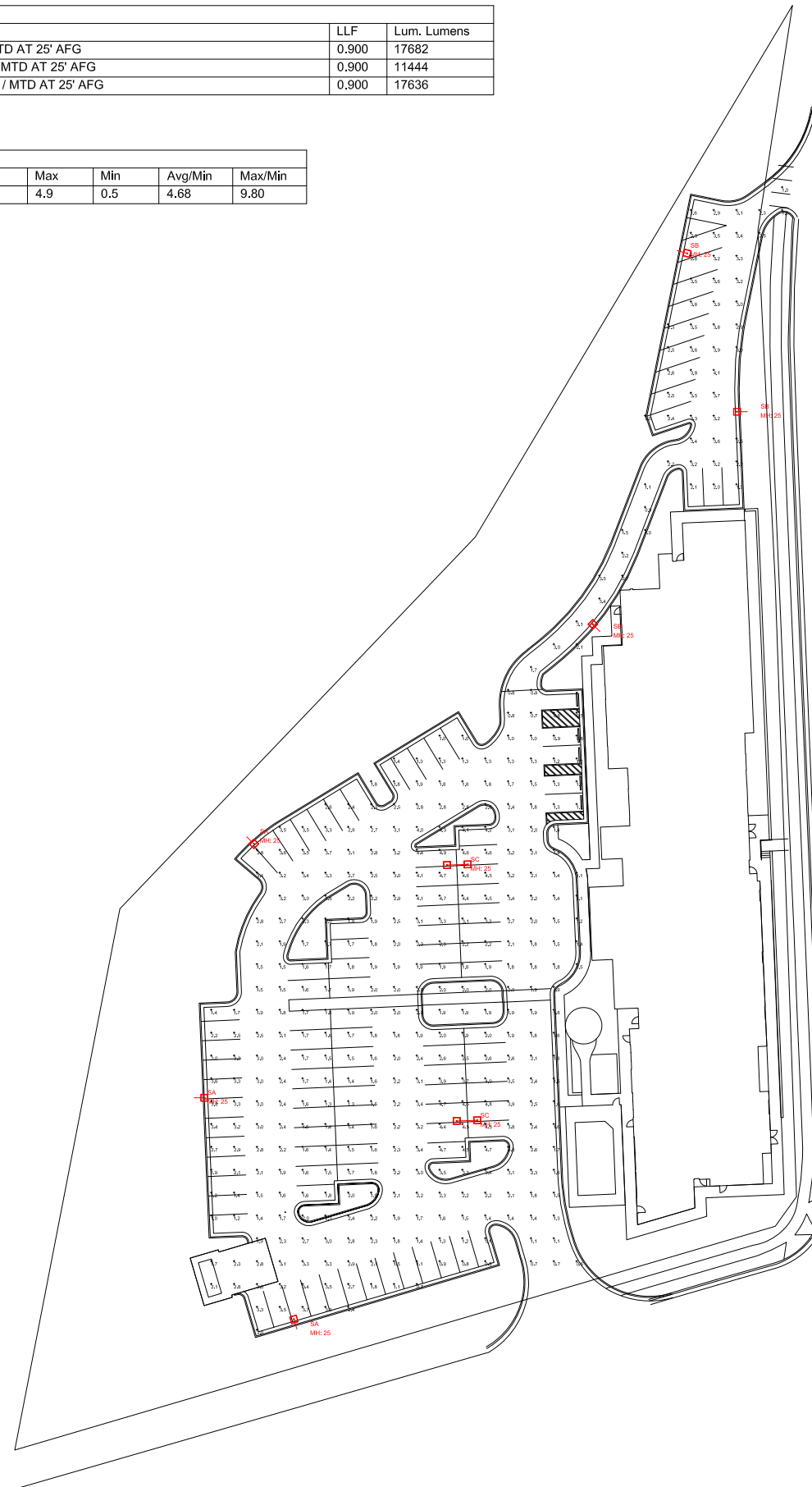
KD-2022-03-24

Date:

03-24-22

Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Description	LLF	Lum. Lumens
	3	SA	SINGLE	MRS-LED-18L-SIL-FT-40-70CRI / MTD AT 25' AFG	0.900	17682
	3	SB	SINGLE	MRS-LED-18L-SIL-FT-40-70CRIH / MTD AT 25' AFG	0.900	11444
	2	SC	BACK-BACK	(2) MRS-LED-18L-SIL-5W-40-70CRI / MTD AT 25' AFG	0.900	17636

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
HOTEL AREA	Illuminance	Fc	2.34	4.9	0.5	4.68	9.80



- DUE TO CHANGING LIGHTING ORDINANCES IT IS THE CONTRACTORS RESPONSIBILITY TO SUBMIT THE SITE PHOTOMETRICS AND LUMINAIRE SPECS TO THE LOCAL INSPECTOR BEFORE ORDERING TO ENSURE THIS PLAN COMPLIES WITH LOCAL LIGHTING ORDINANCES.
- THIS LIGHTING DESIGN IS BASED ON INFORMATION SUPPLIED BY OTHERS. CHANGES IN ELECTRICAL SUPPLY, AREA GEOMETRY AND OBJECTS WITHIN THE LIGHTED AREA MAY PRODUCE ILLUMINATION VALUES DIFFERENT FROM THE PREDICTED RESULTS SHOWN ON THIS LAYOUT.
- THIS LAYOUT IS BASED ON .IES FILES THAT WERE LAB TESTED OR COMPUTER GENERATED. ACTUAL RESULTS MAY VARY.

11.1



Mirada Small Area Light (MRS)

Outdoor LED Area Light

Catalog #:
Project:

Prepared By:
Date:
Type:


IP66 IK08

OVERVIEW	
Lumen Package	6,000 - 24,000
Wattage Range	41 - 196
Efficacy Range (LPW)	112 - 156
Fixture Weight lbs (kg)	20 (9.0)

Ordering Guide
Performance
Photometrics
Dimensions

FEATURES & SPECIFICATIONS

Construction

- Rugged die-cast aluminum housing contains factory prewired driver and optical unit. Cast aluminum wiring access door located underneath.
- Fixtures are finished with LS's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Contact factory.
- Shipping weight: 27 lbs in carton.

Optical System

- State-of-the-art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide IP66 rated seal.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in distribution types 2, 3, SW, and FT.
- Silicone optical material does not yellow or crack with age and provides a typical light transmission of 93%.
- Zero uplight.
- Available in 3000K, 4000K, and 3000K color temperatures per ANSI C78.377.
- Minimum CRI of 70.
- Integral lower (IL) and house-side shield (HS) options available for improved backlight control without sacrificing street side performance. See page 3 for more details.

Electrical

- High-performance driver features over-voltage, under-voltage, short-circuit and over temperature protection.
- 0-10V dimming (10% - 100%) standard.

QUICK LINKS

Ordering Guide
Performance
Photometrics
Dimensions

Warranty

- LSI Luminaire carries a 5-year limited warranty. Refer to <https://www.lsiincorp.com/resources/terms-conditions-warranty/> for more information.
- Meets Buy American Act requirements.
- ADA compliant, with 3000K color temperature selection.
- Title 24 Compliant: see local ordinance for qualification information.
- Field replaceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- Field replaceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficiency LEDs mounted to metal-core circuit board to maximize heat dissipation.
- Driver is fully encased in potting material for moisture resistance and complies with FCC standards. Driver and key electronic components can easily be accessed.

Controls

- Optional integral passive infrared Bluetooth™ motion and photocell sensor. Features operate independently and can be commissioned via iOS or Android configuration app.
- LSI's AirLink™ wireless control system offers remote energy and maintenance costs while optimizing light quality 24/7.

Installation

- Designed to mount to square or round poles.
- A single fastener secures the hinged door, underneath the housing and provides quick & easy access to the electrical compartment.
- Included terminal block accepts up to 12 ga. wire.
- Utilizes LSI's traditional B3 drill pattern.

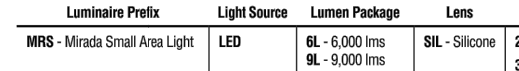
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Mirada Small Area Light (MRS)

Outdoor LED Area Light

Catalog #:
Project:

Prepared By:
Date:
Type:


IP66 IK08

ORDERING GUIDE

Luminaire Profile	Light Source	Lumen Package	Lens	Distribution	Orientation	Voltage	Other
MRS - Mirada Small Area Light	LED	M: 6,000 hrs R: 10,000 hrs SL: 12,000 hrs SIL: 15,000 hrs SW: 18,000 hrs FT: 24,000 hrs Custom Lumen Packages	SL - Silicone SW - Type 3 Wide FT - Forward Throw	2 - Type 2 3 - Type 3 SW - Type 3 Wide FT - Forward Throw	(HM) - standard L - Optics rotated left 90° R - Optics rotated right 90°	UNV - Universal Voltage (120-277V) HW - High Voltage (347-480V)	DM - 0-10V Dimming (0-10V)

Accessory Ordering Information*

Color Ring	Color Finishing	Controls (Choose One)	Finish	Options
30 - 3,000 CCT 40 - 4,000 CCT 30 - 3,000 CCT	7029 - 70% 7030 - 70%	(HM) - None Wireless Control System ALSC - AirLink Symptom Control System ALSC2 - AirLink Symptom Control System with 10-20' M8 Motion Sensor ALSC3 - AirLink Symptom Control System with 30-40' M8 Motion Sensor ALSC4 - AirLink Blue Wireless Motion & Photo Sensor Controller (25-40' M8) ALSC5 - AirLink Blue Wireless Motion & Photo Sensor Controller (25-40' M8)	BLK - Black BRZ - Dark Bronze COP - Matte Gray GFP - Granite MVS - Metallic Silver PEP - Platinum Pear SWS - Salt Water Green WHY - White	(HS) - Integral House-Side Shield IL - Integral Lower (Sharp Spill Light Cutoff)

Accessory Ordering Information*

Control Accessories	Order Number	Mounting Accessories	Order Number*
Test Lock Protocol (120V) for use with CRTP	122514	Universal Mounting Bracket	684616CLR
Test Lock Protocol (208-277V) for use with CRTP	122515	Adjustable Slip Filter (2" x 2.5" Tenon)	689136CLR
Test Lock Protocol (24V) for use with CRTP	122516	Innovative Slip Filter (2" x 2.5" Tenon)	687315CLR
Test Lock Protocol (480V) for use with CRTP	122518	Quick Mount Pole Bracket (Square Pole)	687073CLR
AviLink 5 Pin Test Lock Controller	681409	Quick Mount Pole Bracket (4-6" Round Pole)	689933CLR
AviLink 5 Pin Test Lock Controller	681410	15 Tin Quick Mount Pole Bracket (Square Pole)	688023CLR
Pole Mounted Occupancy Sensor (24V)	6828ACLPR	15 Tin Quick Mount Pole Bracket (4-6" Round Pole)	689933CLR
Shunting Cap for use with CRTP	149238	Wall Mount Bracket	382183CLR

Shielding & Miscellaneous Accessories

Description	Order Number
Single Fusing (120V)	76344
Single Fusing (277V)	76346
Double Fusing (208V-240V)	See Fusing Accessory Guide
Double Fusing (480V)	76348

Shielding & Miscellaneous Accessories

Description	Order Number
Integral Lower (HS)	76344
Integral House-Side Shield	76346
15" Linear Slip Filter (4-6" Round Pole)	76348


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Mirada Small Area Light (MRS)

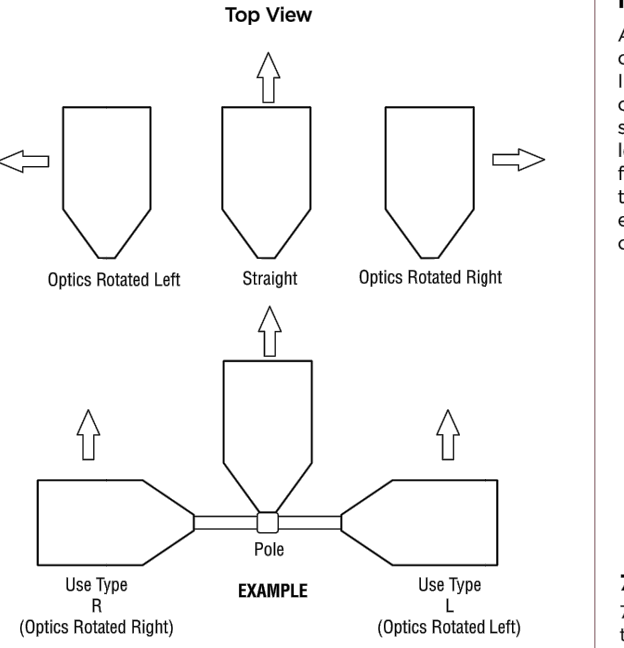
Outdoor LED Area Light

Catalog #:
Project:

Prepared By:
Date:
Type:


IP66 IK08

OPTICS ROTATION



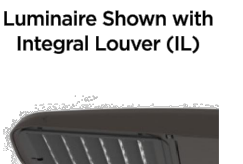
EXAMPLE

Optics Rotated Left Straight Optics Rotated Right


ACCESSORIES/OPTIONS

Integral Lower (IL) and House-Side Shield (HS)

Accessory lower and shield available for improved backlight control without sacrificing street side performance. LSI's Integral Lower (IL) and Integral House-Side Shield (HS) options deliver backlight control that significantly reduces spill light behind the poles for applications with pole locations close to adjacent properties. The design maximizes forward reflected light while reducing glare, maintaining the optical distribution selected, and most importantly eliminating light trespass. Both options rotate with the optical distribution.




Luminaire Shown with Integral Lower (IL)



Luminaire Shown with IMSBT Option

7 Pin Photoelectric Control

7-pin ANSI C136.41-2015 control receptacle option available for twist lock photocells or wireless control modules. Control accessories sold separately. Dimming leads from the receptacle will be connected to the driver dimming leads (consult factory for alternate wiring).



Luminaire Shown with CRTP

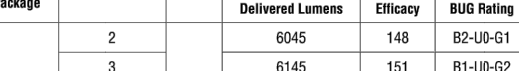
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Mirada Small Area Light (MRS)

Outdoor LED Area Light

Catalog #:
Project:

Prepared By:
Date:
Type:


IP66 IK08

PERFORMANCE

Lumen Package	Distribution	CRI	3000K CCT			4000K CCT			5000K CCT			Wattage
			Delivered Lumens	Efficacy	RUG Rating	Delivered Lumens	Efficacy	RUG Rating	Delivered Lumens	Efficacy	RUG Rating	
2	L	70	6045	148	B2-U0-G2	6588	154	B2-U0-G2	6535	153	B2-U0-G2	41
	SW		6145	151	B1-U0-G2	6277	148	B1-U0-G2	6257	150	B1-U0-G2	
	FT		6212	142	B3-U0-G2	6205	148	B3-U0-G2	6212	147	B3-U0-G2	
3	L	70	6947	148	B1-U0-G2	6566	151	B1-U0-G2	6522	151	B1-U0-G2	43
	SW		6991	145	B2-U0-G2	6484	152	B2-U0-G2	6482	151	B2-U0-G2	
	FT		6241	148	B2-U0-G2	6641	154	B2-U0-G2	6619	148	B3-U0-G2	
3	L	70	8140	140	B3-U0-G2	8118	140	B3-U0-G2	8097	140	B3-U0-G2	86
	SW		8043	142	B2-U0-G2	8000	140	B2-U0-G2	8008	140	B2-U0-G2	
	FT		12132	141	B3-U0-G2	12085	140	B3-U0-G2	12014	140	B3-U0-G2	
2	L	70	13333	143	B2-U0-G2	12894	142	B2-U0-G2	12721	140	B2-U0-G2	111
	SW		11664	136	B4-U0-G2	12195	142	B4-U0-G2	12331	140	B4-U0-G2	
	FT		11925	139	B2-U0-G2	12479	140	B2-U0-G2	12311	143	B2-U0-G2	
2	L	70	14220	139	B3-U0-G2	13167	137	B3-U0-G2	14088	131	B3-U0-G2	111
	SW		14938	135	B2-U0-G2	13933	144	B2-U0-G2	13719	137	B2-U0-G2	
	FT		14534	129	B4-U0-G2	13527	137	B4-U0-G2	14274	131	B4-U0-G2	
2	L	70	14542	129	B4-U0-G2	13597	138	B4-U0-G2	14192	132	B4-U0-G2	111
	SW		16438	122	B3-U0-G2	17332	130	B3-U0-G2	16747	124	B3-U0-G2	
	FT		17607	129	B3-U0-G2	18417	137	B3-U0-G2	17992	131	B3-U0-G2	
3	L	70	16625	123	B4-U0-G2	17036	128	B4-U0-G2	16848	125	B4-U0-G2	135
	SW		16579	123	B3-U0-G2	17082	131	B3-U0-G2	16860	125	B3-U0-G2	
	FT		19489	118	B3-U0-G2	20786	126	B3-U0-G2	19885	120	B3-U0-G2	
2	L	70	20472	124	B3-U0-G2	21833	127	B3-U0-G2	20637	126	B3-U0-G2	145
	SW		19004	119	B3-U0-G2	20309	129	B3-U0-G2	19973	121	B3-U0-G2	
	FT		19695	119	B3-U0-G2	20884	127	B3-U0-G2	20252	121	B3-U0-G2	
3	L	70	21919	112	B3-U0-G2	23438	120	B3-U0-G2	22990	114	B3-U0-G2	199
	SW		23065	118	B3-U0-G2	24022	126	B3-U0-G2	23819	120	B3-U0-G2	
	FT		21166	113	B3-U0-G2	23879	120	B3-U0-G2	23522	115	B3-U0-G2	
3	L	70	22104	113	B3-U0-G2	23840	121	B3-U0-G2	23591	115	B3-U0-G2	199
	SW		22104	113	B3-U0-G2	23840	121	B3-U0-G2	23591	115	B3-U0-G2	
	FT											

*LEDs are frequently updated therefore values are nominal.

ELECTRICAL DATA (LAMP*)

Lumens	Ambient Temp						
	120V	208V	240V	277V	347V	480V	
6L	0.34	0.29	0.17	0.15	0.12	0.09	
16L	0.32	0.30	0.26	0.23	0.18	0.13	
19L	0.72	0.41	0.36	0.31	0.25	0.18	
15L	0.93	0.33	0.46	0.40	0.32	0.23	
18L	1.12	0.65	0.36	0.49	0.39	0.28	
21L	1.38	0.80	0.69	0.60	0.48	0.34	
24L	1.63	0.94	0.82	0.71	0.56	0.41	

*Electrical data at 25°C (77°F). Actual wattage may differ by +10%.

RECOMMENDED LUMEN MAINTENANCE*

Ambient Temp	Lumen Multiplier						
	0 hrs.	25k hrs.	50k hrs.	75k hrs.	100k hrs.		
5°C - 25°C	100%	95%	85%	84%	79%		
25°C	100%	95%	85%	84%	79%		

*FOOTNOTES:
1. Lumen maintenance values at 25°C are calculated per TM-21 based on LM-80 data and in situ luminaire testing.
2. In accordance with IESNA TM-21, Projected Values represent interpolated values based on time durations that are within six times (6X) the IESNA LM-80 total test duration (in hours) for the device under testing (DUT) in the packaged LED chip.
3. In accordance with IESNA TM-21, Calculated Values represent time durations that exceed six times the LM-80 total test duration (in hours) for the device under testing (DUT) in the packaged LED chip.

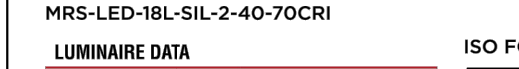
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Mirada Small Area Light (MRS)

Outdoor LED Area Light

Catalog #:
Project:

Prepared By:
Date:
Type:


IP66 IK08

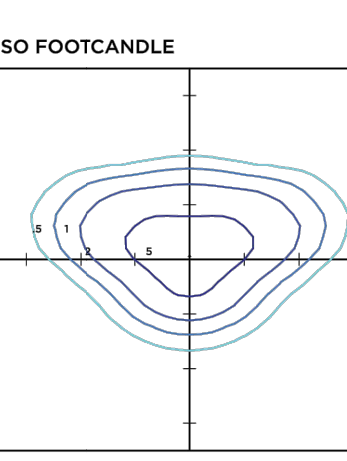
PHOTOMETRICS

Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficacy of 100%. See <https://www.lsi-industries.com/products/outdoor-lighting-solutions.aspx> for detailed photometric data.

MRS-LED-18L-SIL-2-40-70CRI

LUMINAIRE DATA		
Type 2 Distribution		
Description	4000 Kelvin, 70 CRI	
Delivered Lumens	17,532	
Watts	135	
Efficacy	131	
IES Type	Type II - Short	
BUG Rating	B3-U0-G3	

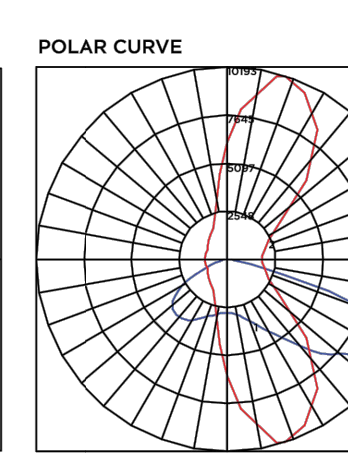
ISO FOOTCANDLE



20' Mounting Height/20' Grid Spacing

■ 5 FC ■ 2 FC ■ 1 FC ■ 0.5 FC

POLAR CURVE



■ 5 FC ■ 2 FC ■ 1 FC ■ 0.5 FC

MRS-LED-18L-SIL-3-40-70CRI

LUMINAIRE DATA		
Type 3 Distribution		
Description	4000 Kelvin, 70 CRI	
Delivered Lumens	16,417	
Watts	135	
Efficacy	131	
IES Type	Type III - Short	
BUG Rating	B3-U0-G3	

ISO FOOTCANDLE



20' Mounting Height/20' Grid Spacing

■ 5 FC ■ 2 FC ■ 1 FC ■ 0.5 FC

POLAR CURVE



■ 5 FC ■ 2 FC ■ 1 FC ■ 0.5 FC

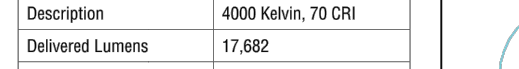
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Mirada Small Area Light (MRS)

Outdoor LED Area Light

Catalog #:
Project:

Prepared By:
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Type:

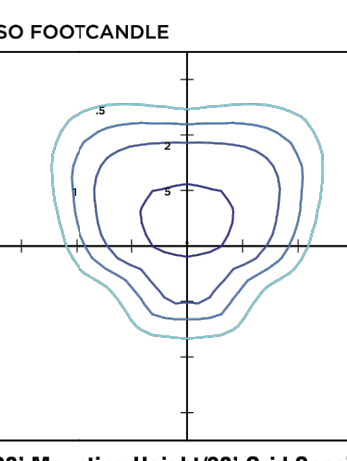

IP66 IK08

PHOTOMETRICS (CONT)

MRS-LED-18L-SIL-FT-40-70CRI

LUMINAIRE DATA		
Type FT Distribution		
Description	4000 Kelvin, 70 CRI	
Delivered Lumens	17,682	
Watts	135	
Efficacy	131	
IES Type	Type II - Short	
BUG Rating	B3-U0-G2	

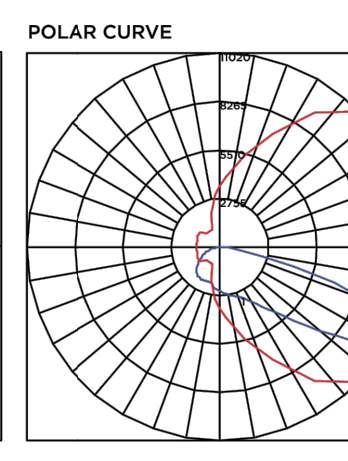
ISO FOOTCANDLE



20' Mounting Height/20' Grid Spacing

■ 5 FC ■ 2 FC ■ 1 FC ■ 0.5 FC

POLAR CURVE



■ 5 FC ■ 2 FC ■ 1 FC ■ 0.5 FC

MRS-LED-30L-SIL-SW-40-70CRI

LUMINAIRE DATA		
Type SW Distribution		
Description	4000 Kelvin, 70 CRI	
Delivered Lumens	17,836	
Watts	135	
Efficacy	131	
IES Type	Type VS - Short	
BUG Rating	B4-U0-G2	

ISO FOOTCANDLE



20' Mounting Height/20' Grid Spacing

■ 5 FC ■ 2 FC ■ 1 FC ■ 0.5 FC

POLAR CURVE



■ 5 FC ■ 2 FC ■ 1 FC ■ 0.5 FC

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SPEC:1345-A.903



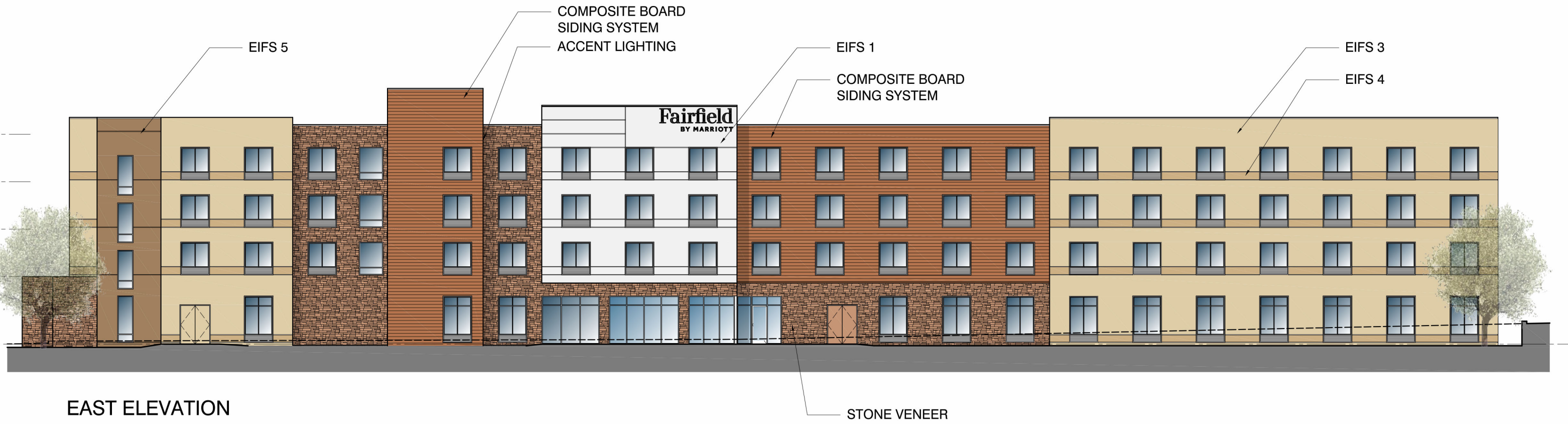
WEST ELEVATION



NORTH ELEVATION

MATERIALS LEGEND	
EIFS 1	[Color swatch: Dark Brown]
EIFS 3	[Color swatch: Brown Brick]
EIFS 4	[Color swatch: Light Tan]
EIFS 5	[Color swatch: Light Tan]
STONE VENEER	[Color swatch: Stone Veneer]
COMPOSITE BOARD SIDING SYSTEM	[Color swatch: Composite Board Siding]

A1.0



EAST ELEVATION



SOUTH ELEVATION

MATERIALS LEGEND	
EIFS 1	
EIFS 3	
EIFS 4	
EIFS 5	
STONE VENEER	
COMPOSITE BOARD SIDING SYSTEM	

A1.0

KNIGHTDALE FAIRFIELD INN & SUITES

FEBRUARY 9, 2022

ELEVATIONS

Scale: 1" = 20'



1425 DUTCH VALLEY PL
STUDIO B
ATLANTA GA 30324
404.685.8868 v
404.685.8878 f





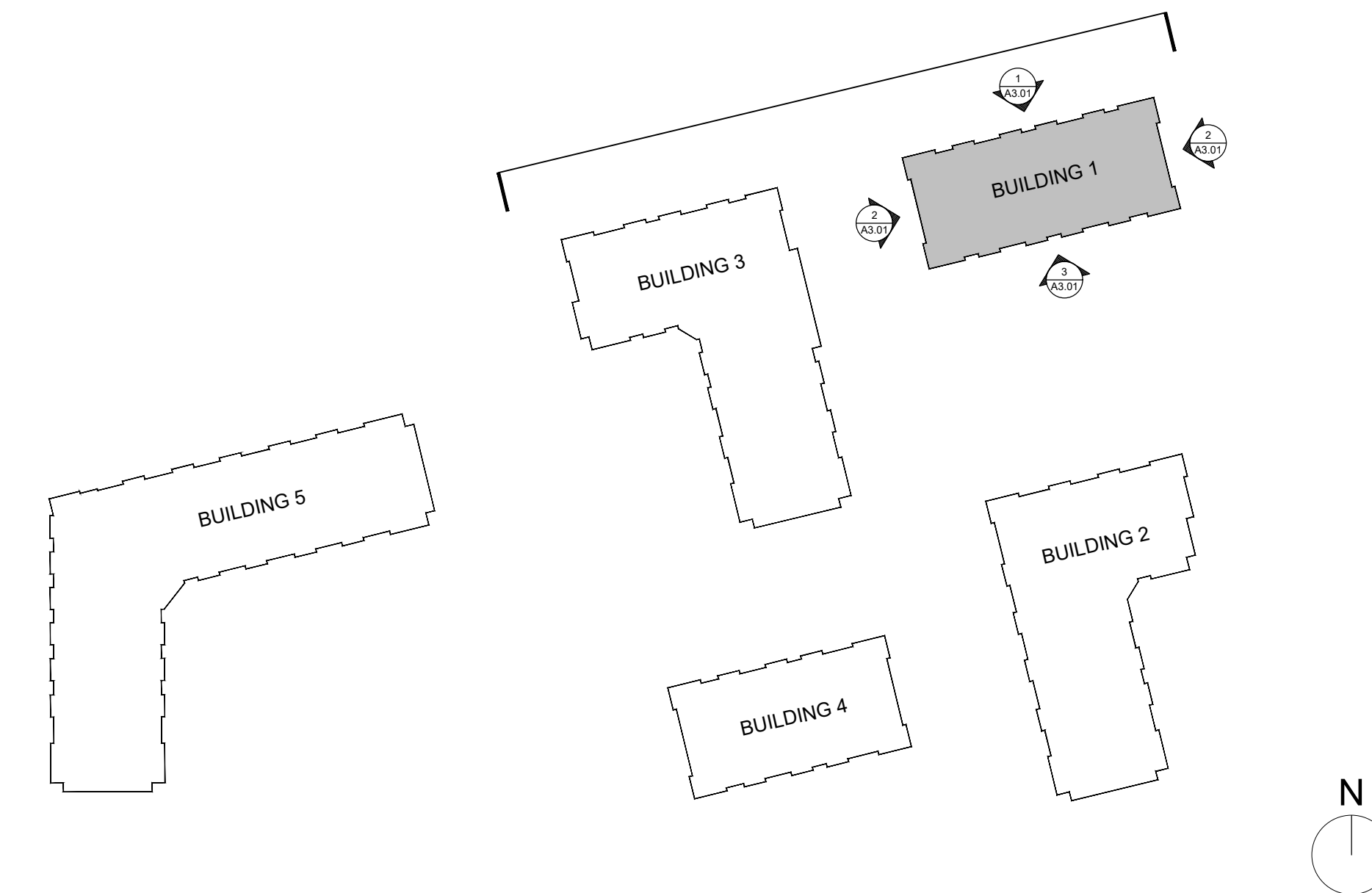
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Scale: 3/32" = 1'-0"



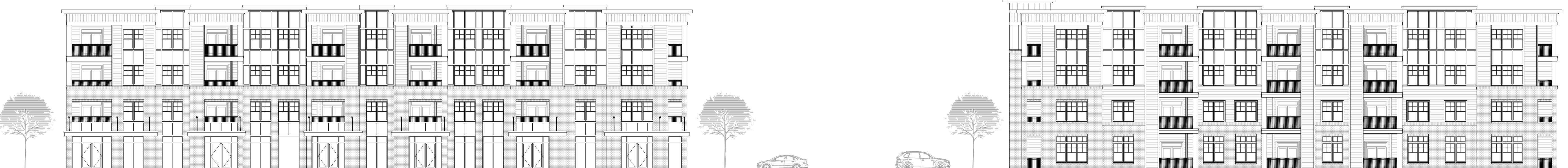
2 BUILDING 1 - EAST / WEST ELEVATION
Scale: 3/32" = 1'-0"



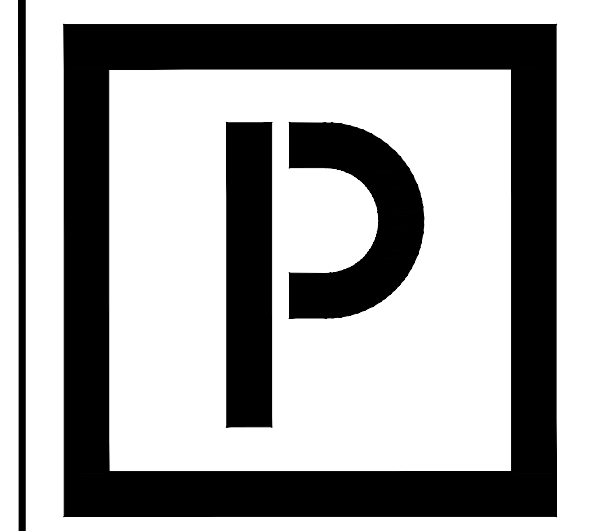
3 BUILDING 1 - SOUTH ELEVATION
Scale: 3/32" = 1'-0"



4 KEY PLAN
NTS

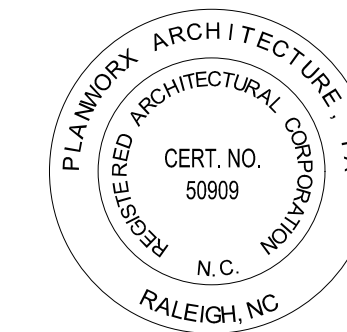


5 VILLAGE PARK DRIVE - SITE ELEVATION
Scale: 1/16" = 1'-0"



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DEWITT APARTMENTS
WIDEWATER
KNIGHTDALE, NC

PROGRESS DATE:	ISSUE DATE:	REVISIONS NUMBER	INITIALS	DATE	DESCRIPTION
03.15.2022					

PROJECT NO: 005221

DRAWN BY: AE/BW

CHECKED BY: BN

SHEET TITLE: BUILDING 1 ELEVATIONS

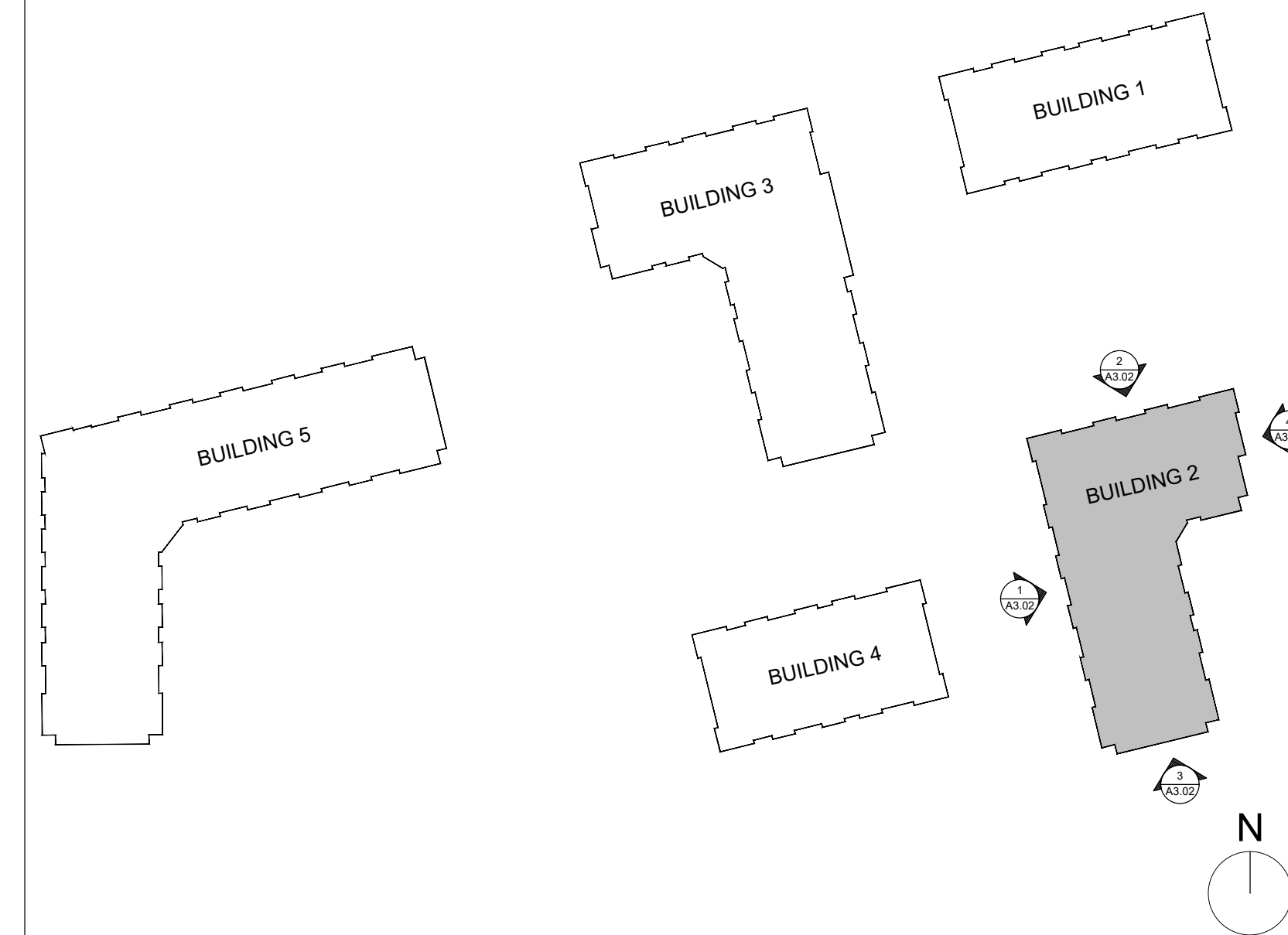
SHEET NUMBER:

A3.01

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1 BUILDING 2 - WEST ELEVATION
Scale: 3/32" = 1'-0"



2 KEY PLAN
NTS



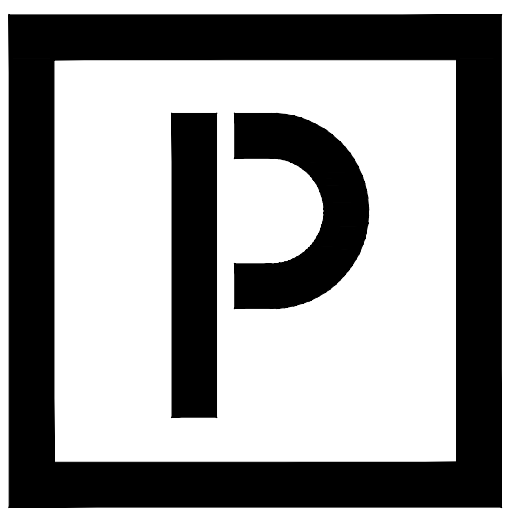
3 BUILDING 2 - NORTH ELEVATION
Scale: 3/32" = 1'-0"



4 BUILDING 2 - SOUTH ELEVATION
Scale: 3/32" = 1'-0"

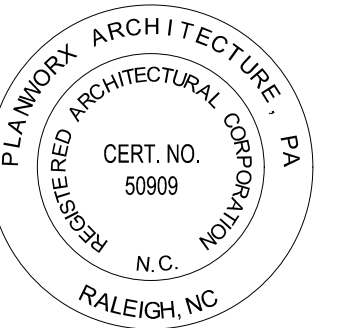


5 BUILDING 2 - EAST ELEVATION
Scale: 3/32" = 1'-0"



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REVISIONS NUMBER	DATE
INITIALS	DESCRIPTION

PROJECT NO: 005221

DRAWN BY: AE/BW

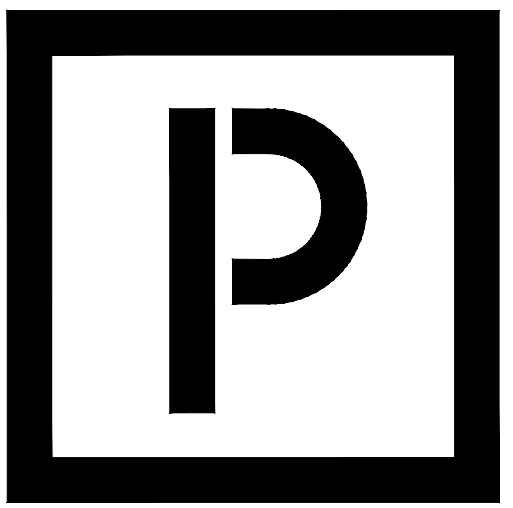
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SHEET TITLE:
BUILDING 2 & 4
ELEVATIONS

SHEET NUMBER:

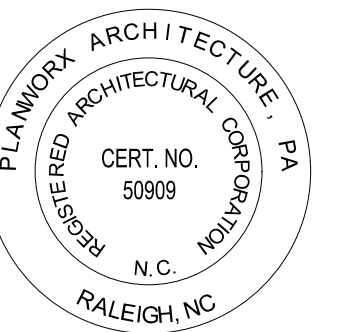
A3.02

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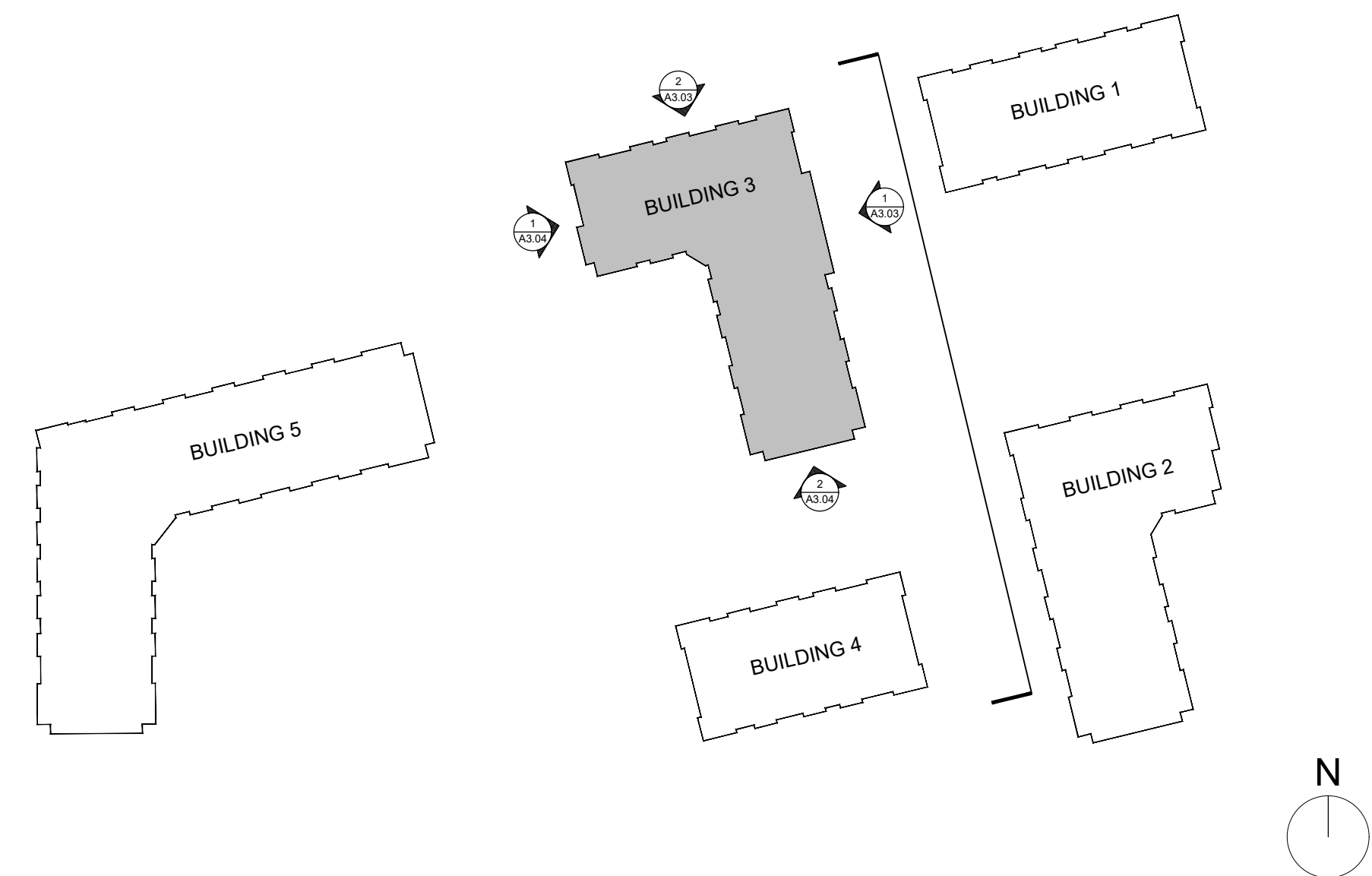
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1 BUILDING 3 - EAST ELEVATION
Scale: 3/32" = 1'-0"



2 BUILDING 3 - NORTH ELEVATION
Scale: 3/32" = 1'-0"



3 KEY PLAN
NTS



4 CLUBHOUSE ENTRY - SITE ELEVATION
Scale: 1/16" = 1'-0"

DEWITT APARTMENTS
WIDEWATER
KNIGHTDALE, NC

PROGRESS DATE:	ISSUE DATE:	REVISIONS NUMBER	INITIALS	DESCRIPTION
03.15.2022				

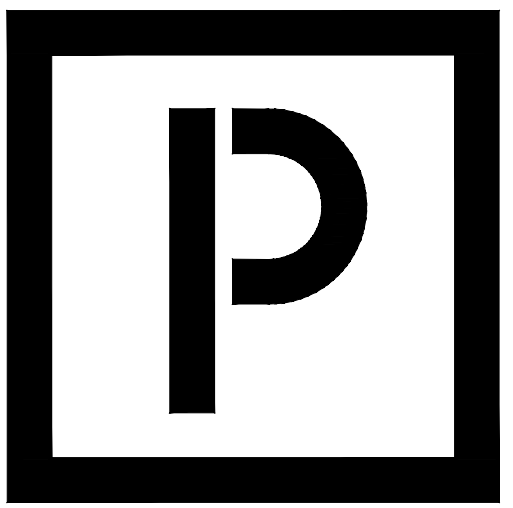
PROJECT NO: 005221
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SHEET TITLE: BUILDING 3 ELEVATIONS

SHEET NUMBER:

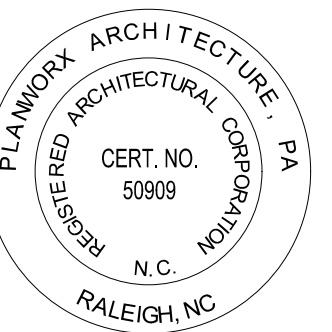
A3.03

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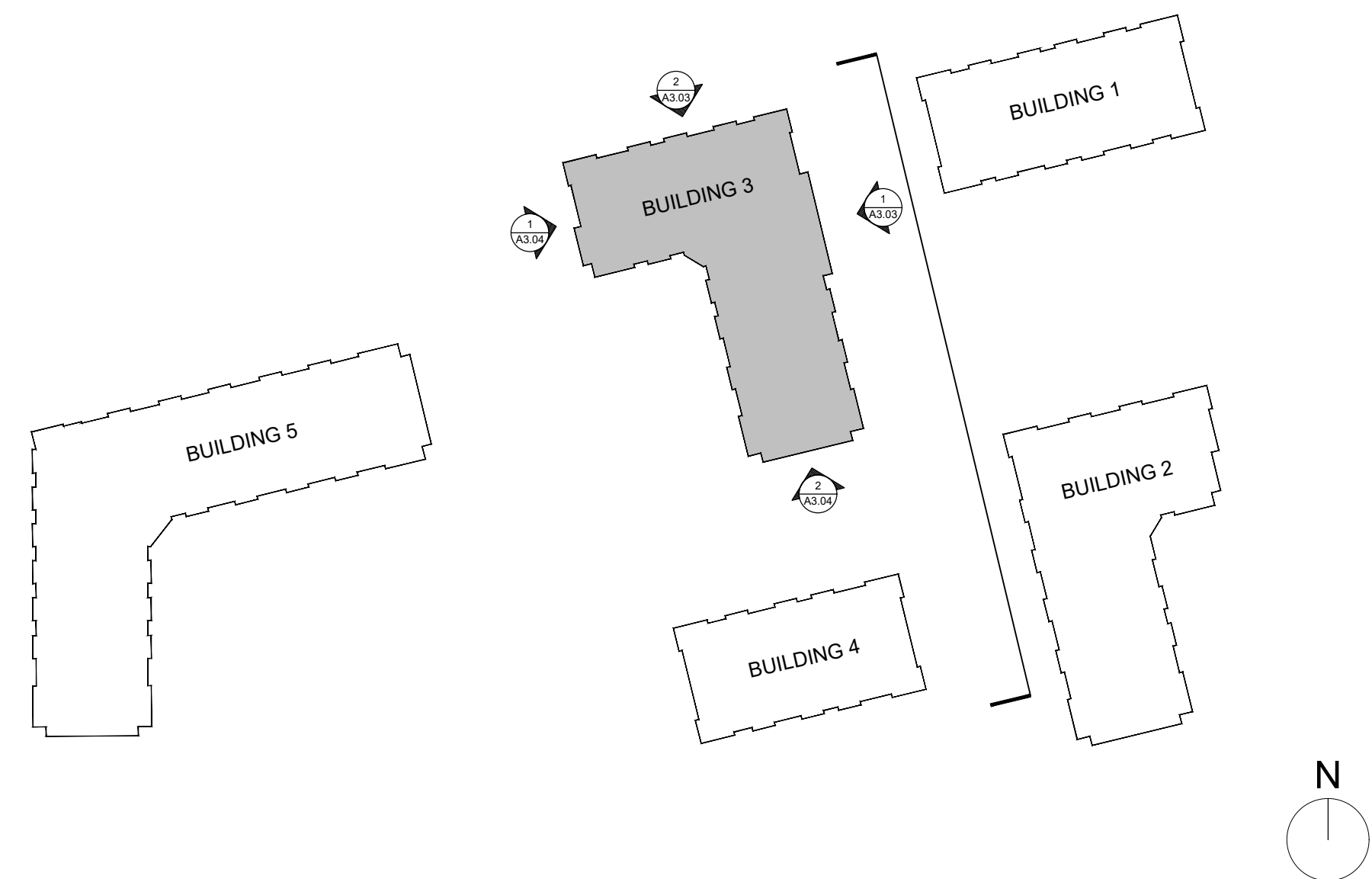
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1 BUILDING 3 - WEST ELEVATION
Scale: 3/32" = 1'-0"



2 BUILDING 3 - SOUTH ELEVATION
Scale: 3/32" = 1'-0"



3 KEY PLAN
NTS



4 CLUBHOUSE ENTRY - SITE ELEVATION
Scale: 1/16" = 1'-0"

DEWITT APARTMENTS
WIDEWATER
KNIGHTDALE, NC

PROGRESS DATE:	03.15.2022
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DATE	
DESCRIPTION	

PROJECT NO: 005221
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SHEET TITLE:
BUILDING 3
ELEVATIONS

SHEET NUMBER:

A3.04

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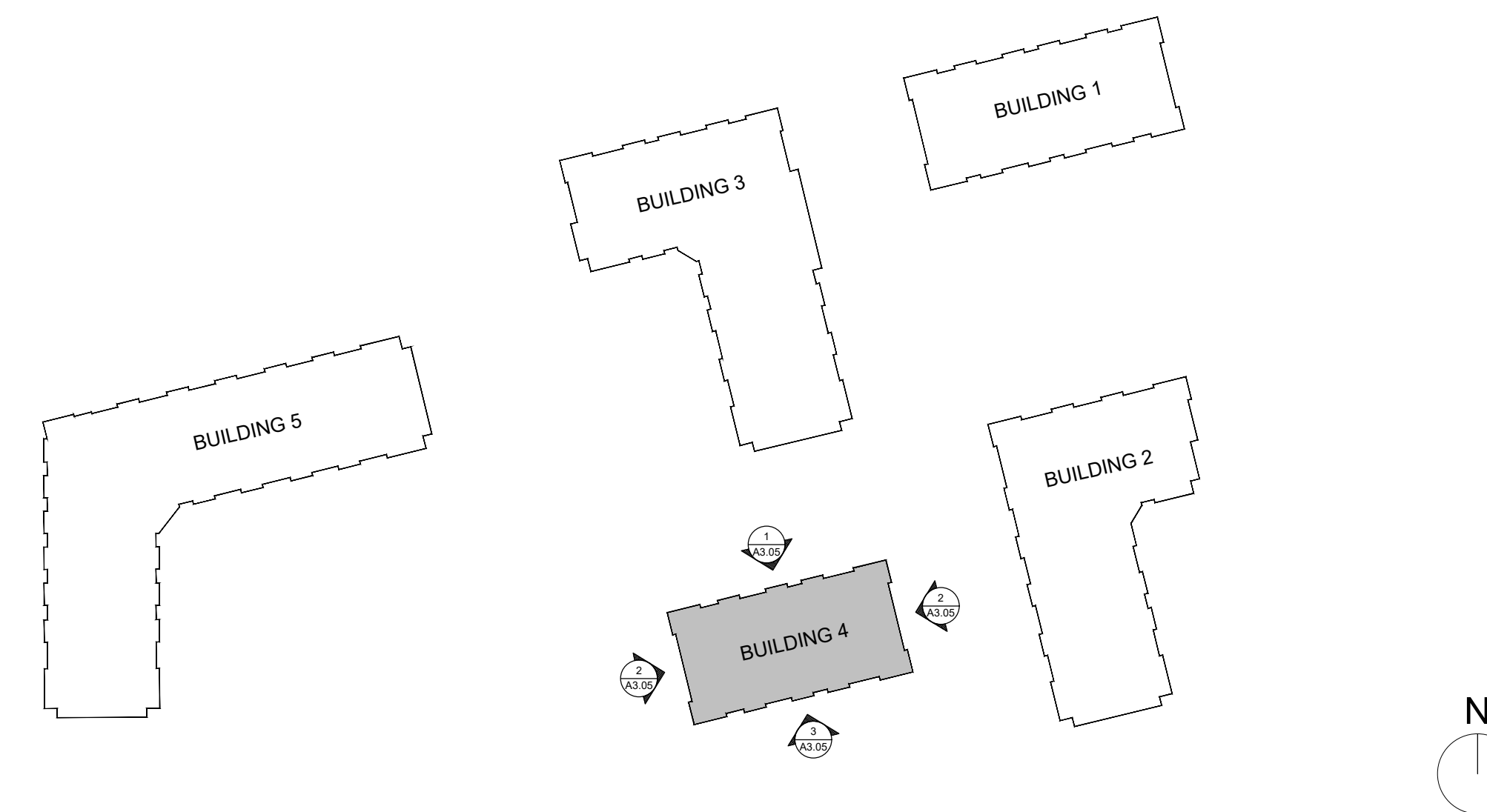
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Scale: 3/32" = 1'-0"



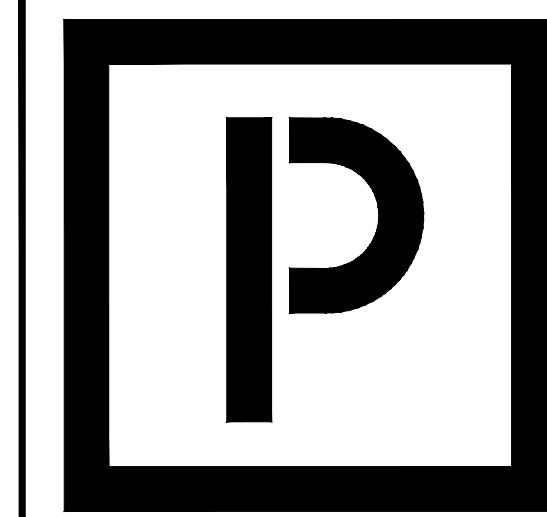
2 BUILDING 4 - EAST / WEST ELEVATION
Scale: 3/32" = 1'-0"



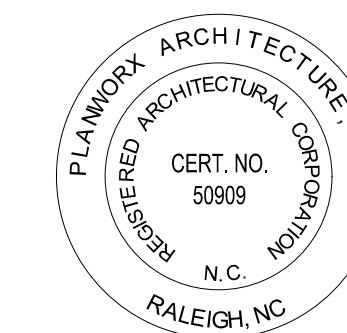
3 BUILDING 4 - SOUTH ELEVATION
Scale: 3/32" = 1'-0"



4 KEY PLAN
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PROGRESS DATE:	ISSUE DATE:	REVISIONS NUMBER	DATE	INITIALS	DESCRIPTION
03.15.2022					

PROJECT NO: 005221

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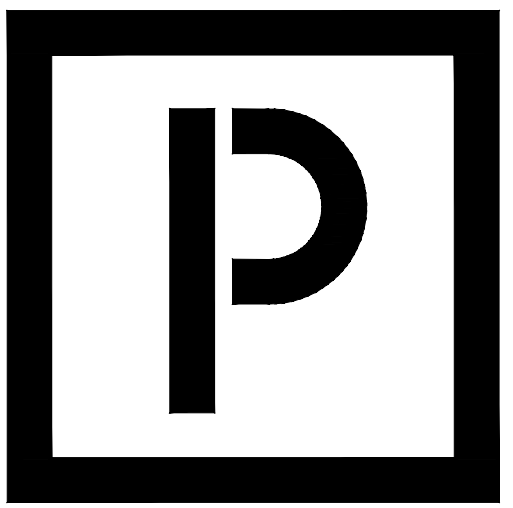
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SHEET TITLE:
BUILDING 4
ELEVATIONS

SHEET NUMBER:

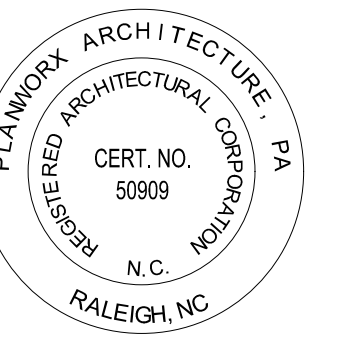
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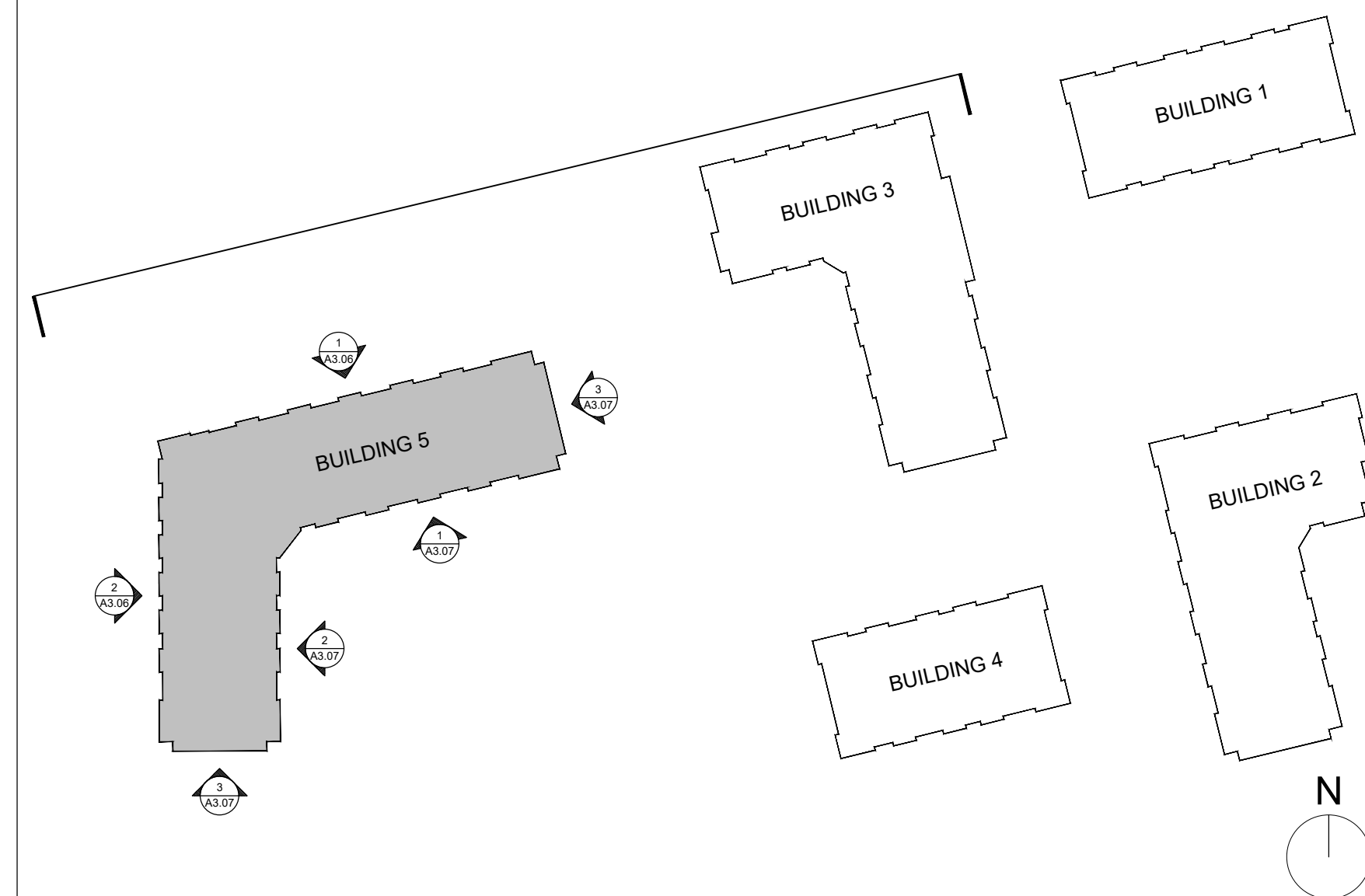
1 BUILDING 5 - NORTH ELEVATION
Scale: 3/32" = 1'-0"



2 BUILDING 5 - WEST ELEVATION
Scale: 3/32" = 1'-0"



3 VILLAGE PARK DRIVE - SITE ELEVATION
Scale: 1/32" = 1'-0"



4 KEY PLAN
NTS

DEWITT APARTMENTS
WIDEWATER
KNIGHTDALE, NC

PROGRESS DATE:	03.15.2022
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INITIALS	DESCRIPTION
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PROJECT NO: 005221
DRAWN BY: AE/BW
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SHEET TITLE: BUILDING 5 ELEVATIONS

SHEET NUMBER: **A3.06**

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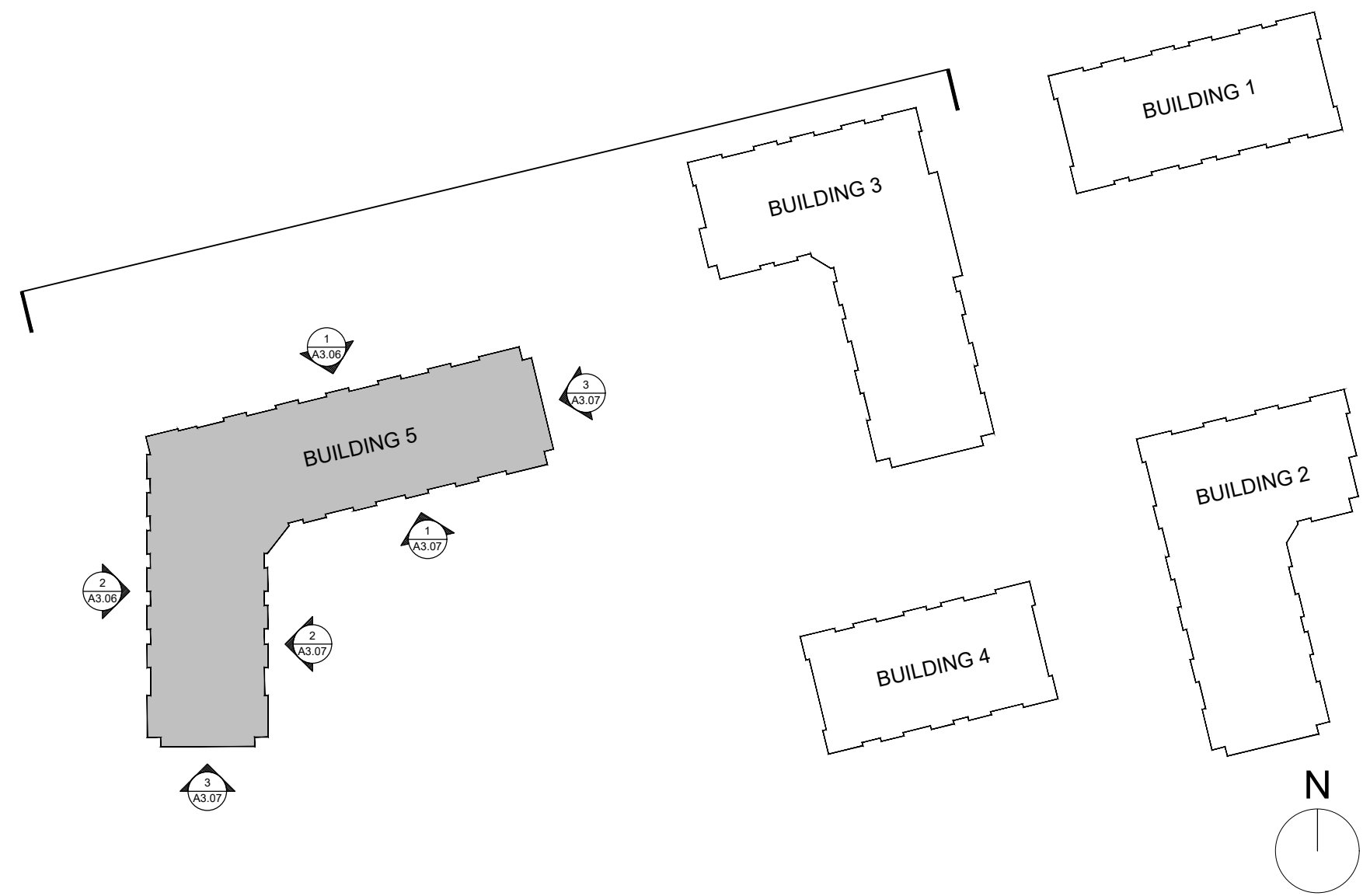
1 BUILDING 5 - SOUTH ELEVATION
Scale: 3/32" = 1'-0"



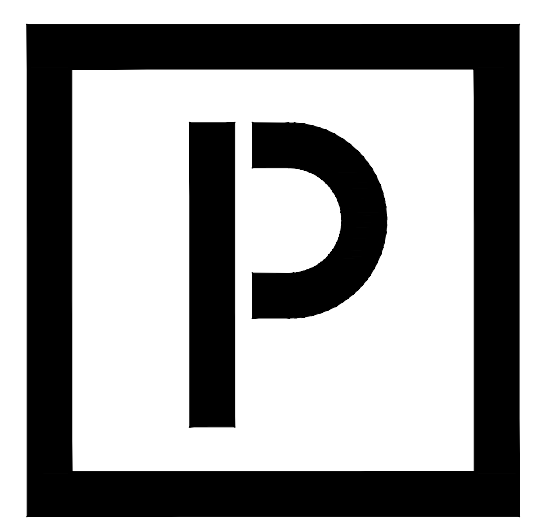
2 BUILDING 5 - EAST ELEVATION
Scale: 3/32" = 1'-0"



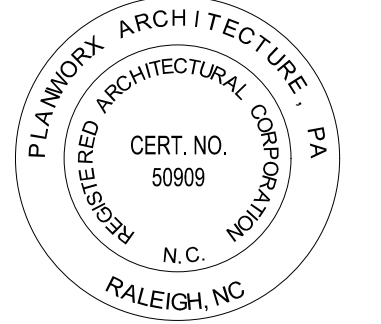
3 BUILDING 5 - END ELEVATION
Scale: 3/32" = 1'-0"



4 KEY PLAN
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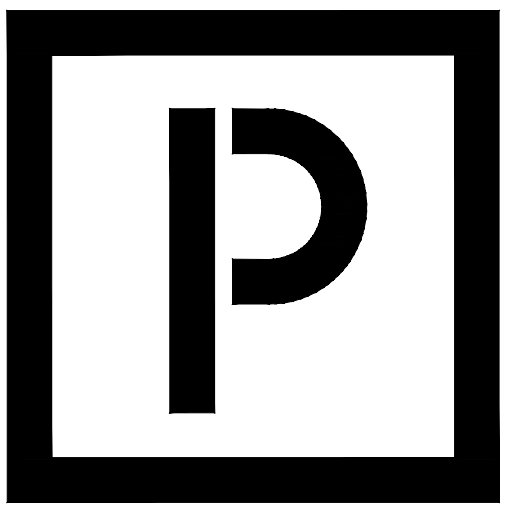


DEWITT APARTMENTS
WIDEWATER
KNIGHTDALE, NC

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DESCRIPTION	
PROJECT NO:	005221
DRAWN BY:	AE/BW
CHECKED BY:	BN
SHEET TITLE:	BUILDING 5 ELEVATIONS
SHEET NUMBER:	

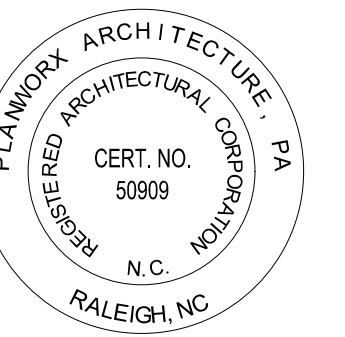
A3.07

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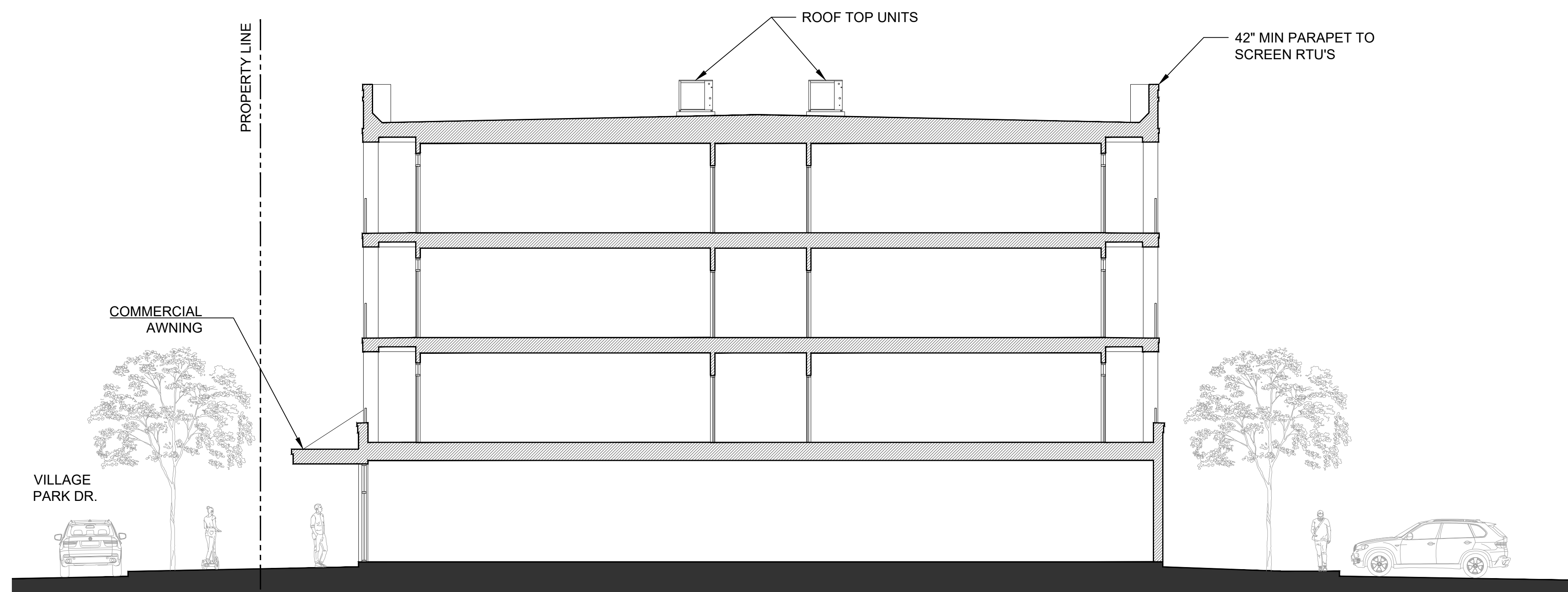
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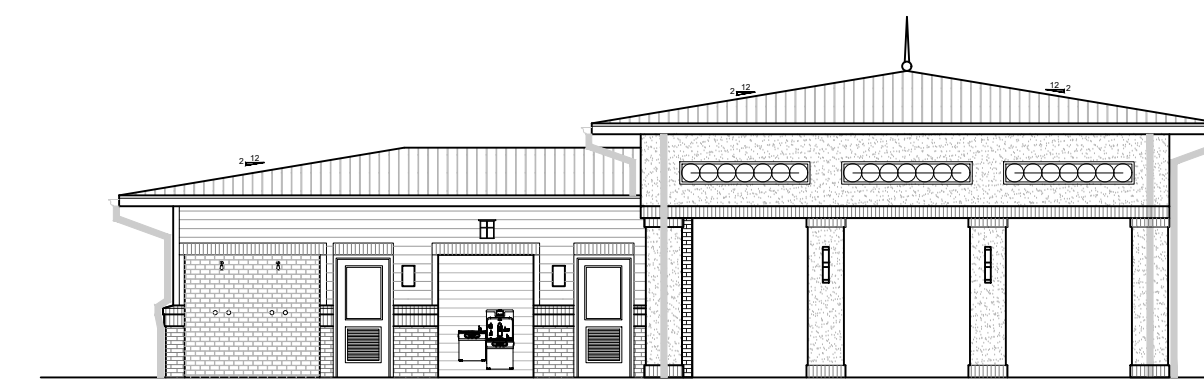
DEWITT APARTMENTS
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1 TYPICAL ELEVATION
NTS



2 SITE SECTION
NTS



3 POOLHOUSE ELEVATION
Scale: 3/32" = 1'-0"



4 GARAGE ELEVATION
Scale: 3/32" = 1'-0"

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SHEET TITLE:
TYPICAL ELEVATIONS & SECTIONS

SHEET NUMBER:

A3.08

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