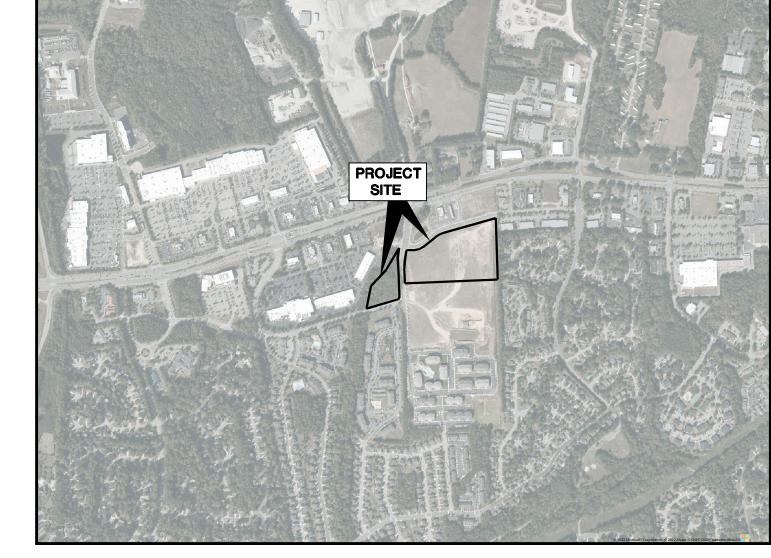


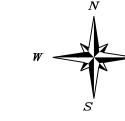
MASTER PLAN SUBMITTAL FOR:

DEWITT KNIGHTDALE MIXED-USE

901 PARKSTONE TOWNE BOULEVARD KNIGHTDALE, NC 27545 TOWN OF KNIGHTDALE PROJECT #ZMA-15-21



VICINITY MAP



SCALE: 1" = 1000'

SITE DATA					
EXISTING ZONING:	HBCD, HB				
EXISTING USE:	UNDEVELOPED				
PROPOSED ZONING:	NMX				
PROPOSED USE:	MIXED USE (MULTI-FAMILY RESIDENTIAL, COMMERCIAL AND HOTEL)				
MIXED USE SITE AREA: HOTEL USE SITE AREA: TOTAL SITE AREA:	11.02 ACRES 3.07 ACRES 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	•				

	ADJACENT TO UR-12 OR RMX = 10' ADJACENT TO GR8 = 3 ADJACENT TO NMX OR HB = 0'
PROJECT DATA	
PIN#	1744-84-3799
MIXED—USE PROPOSED # OF BUILDINGS BUILDING LOT COVERAGE VEHICULAR SURFACE AREA	5 (105,250 GSF TOTAL) 21.92% (105,250 SF/480,153 SF) 36.51% (175,322 SF/480,153 SF)
HOTEL: BUILDING LOT COVERAGE: VEHICULAR SURFACE AREA(NEW):	13.28% (17,327 SF/130,464 SF) 29.83% (38,921 SF/130,464 SF)
PARKING FOR MIXED-USE LOT:	COMMERCIAL: TOTAL RETAIL = 19,445 SF TOTAL NON-RESIDENTIAL = 6,288 SF

PIN#	1744-84-3799			
MIXED—USE PROPOSED # OF BUILDINGS BUILDING LOT COVERAGE VEHICULAR SURFACE AREA	5 (105,250 GSF TOTAL) 21.92% (105,250 SF/480,153 SF) 36.51% (175,322 SF/480,153 SF)			
HOTEL: BUILDING LOT COVERAGE: VEHICULAR SURFACE AREA(NEW):	13.28% (17,327 SF/130,464 SF) 29.83% (38,921 SF/130,464 SF)			
PARKING FOR MIXED-USE LOT:	COMMERCIAL: TOTAL RETAIL = 19,445 SF TOTAL NON-RESIDENTIAL = 6,288 SF 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 MINIMUM ELECTRIC VEHICLE CHARGING STATIONS REQUIRED: 10 STATIONS			
	MAXIMUM ALLOWED: 849 SPACES MINIMUM REQUIRED: 425 SPACES TOTAL PARKING PROVIDED: 495 SPACES (INCLUDES 10 ADA) TOTAL GARAGES PROVIDED: 48 GARAGES (INCLUDES 3 EV)			
PARKING FOR HOTEL LOT:	TOTAL LOUNGE = 3,167 SF TOTAL CONFERENCE ROOM = 1,120 SF TOTAL GATHERING AREA = 1,733 SF MAXIMUM: 1.25 PER GUEST ROOM + 10 PER KSF LOUNGE + 25 PER KSF CONFERENCE ROOM 124 ROOMS * 1.25 + 3.167 KSF			

ACCESIBLE PARKING:	REQUIRED SPACES = 14 (INCLUDING 2 VAN SPACES) PROVIDED ADA: 15 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 PROP. MIXED-USE IMP. AREA	9.57 AC 7.48 AC
REMAINING ADDITIONAL IMPERVIOUS AREA ALLOWED FOR POND 2	5.23 AC
OPEN SPACE ACREAGE:	SITE AREA: 586,416 SF (13.46 AC) MF UNITS: 302 RESIDENTIAL UNITS BEDROOMS: 528 OUTSIDE ½ MILE = 302 BR * 580 = 175,160 SF TOTAL REQUIRED OPEN SPACE: 175,160 SF REQUIRED ACTIVE OPEN SPACE: 50% OF TOTAL (87,580 SF) TOTAL PROVIDED ACTIVE OPEN SPACE: 39,278 SF (45% OF REQUIRED) REQUIRED PASSIVE OPEN SPACE: 50% OF TOTAL (87,580 SF) TOTAL PROVIDED PASSIVE OPEN SPACE: 58,140 SF (66% OF REQUIRED) TOTAL PROVIDED OPEN SPACE: 97,418 SF (56% OF REQUIRED)
TOTAL NUMBER OF PARCELS:	TWO (2)
TOTAL NUMBER OF HOUSING UNITS:	302
GROSS PROJECT DENSITY PER ACRE:	22.44
CONTROL POINT:	NCGS "GORE" ELEV: 324.31 NORTHING: 745865.08 EASTING: 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
I1.0-I1.1	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

KNIGHTDALE DEVELOPMENT COMPANY LLC AND SITE DEVELOPER:

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:

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

TOWN OF KNIGHTDALE AND/OR NCDOT STANDARDS AND SPECIFICATIONS.

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

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL

NC CERTIFICATE OF AUTHORIZATION: F-0102

Kimley-Horn and Associates, Inc.

Horn

| Compare | Comp 421 FAYETTEVILLE STREET - SUITE 600 - RALEIGH, NORTH CAROLINA 27601

LOUNGE * 10 + 1.120 KSF CONFERENCE

MINIMUM ELECTRIC VEHICLE CHARGING STATIONS REQUIRED: 3 STATIONS TOTAL PROVIDED: 108 SPACES

ROOM * 25 = 210 SPACES MINIMUM: 1/2 OF MAXIMUM

(INCLUDES 3 EV AND 5 ADA)

=105 SPACES

40 SPACES

643 SPACES

ON-STREET PARKING PROVIDED:

TOTAL PARKING PROVIDED:

PHONE: (919) 677-2000

PRELIMINARY NOT FOR CONSTRUCTION

This document, together with the concepts and designs presented herein, as an instrument of services, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

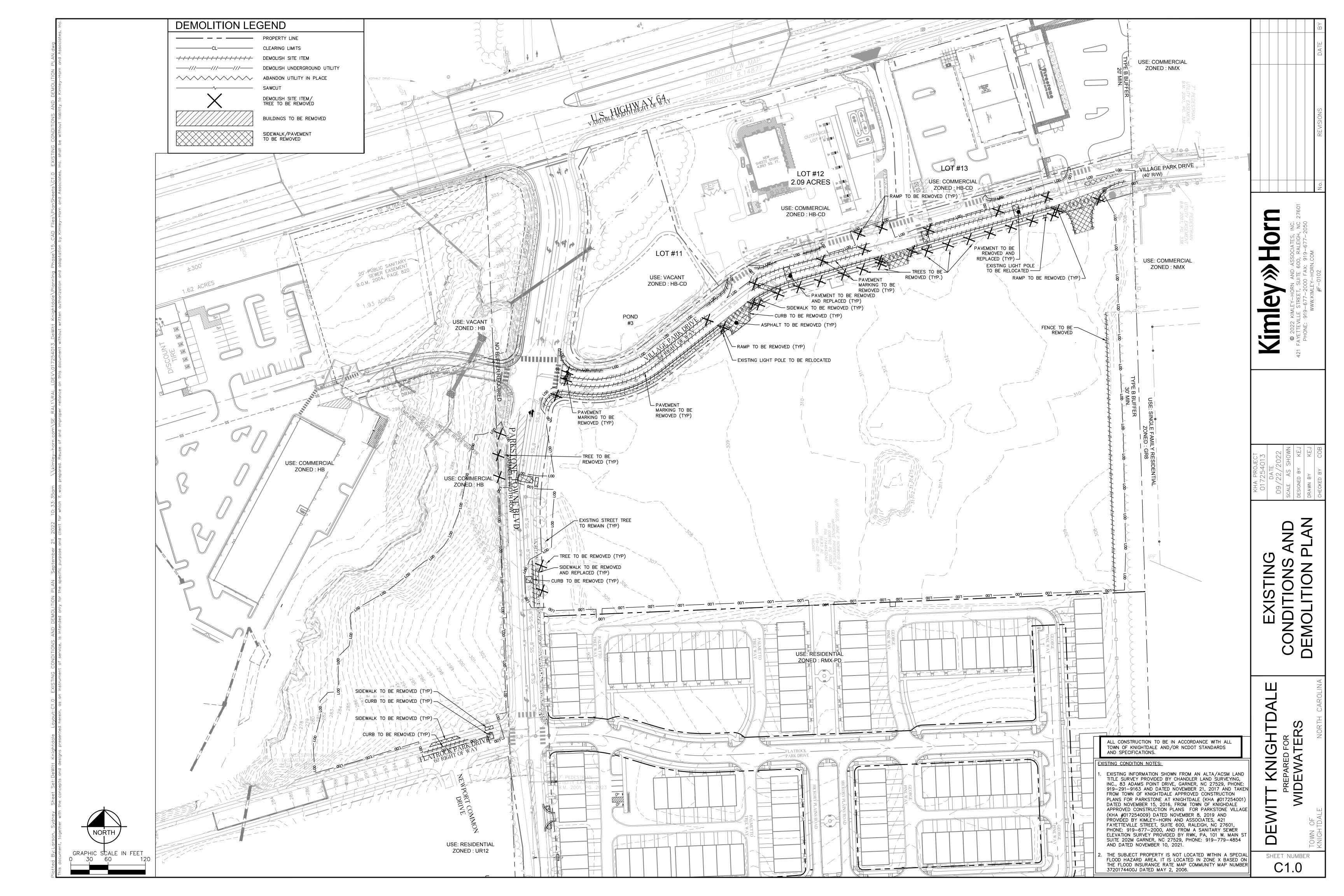
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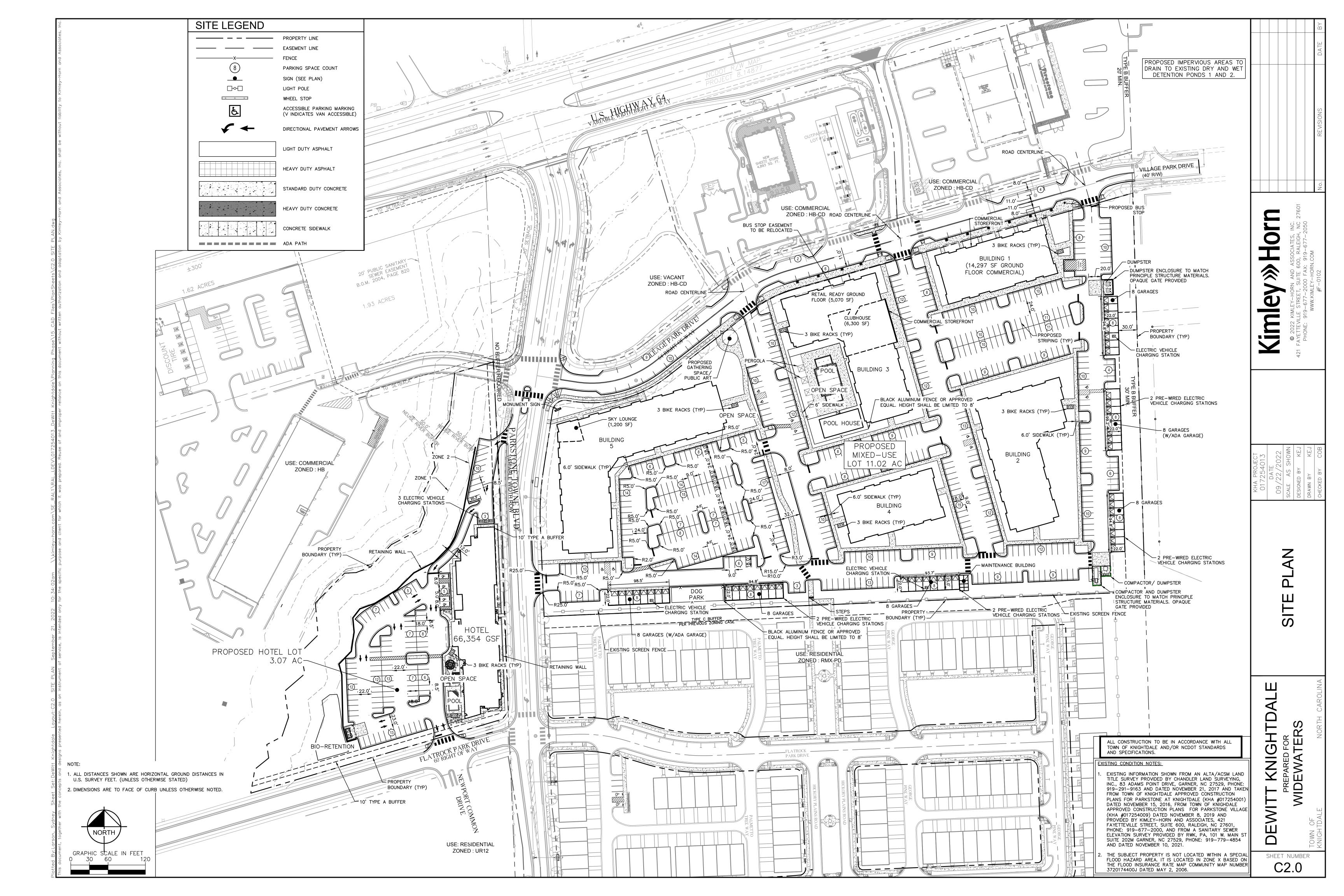
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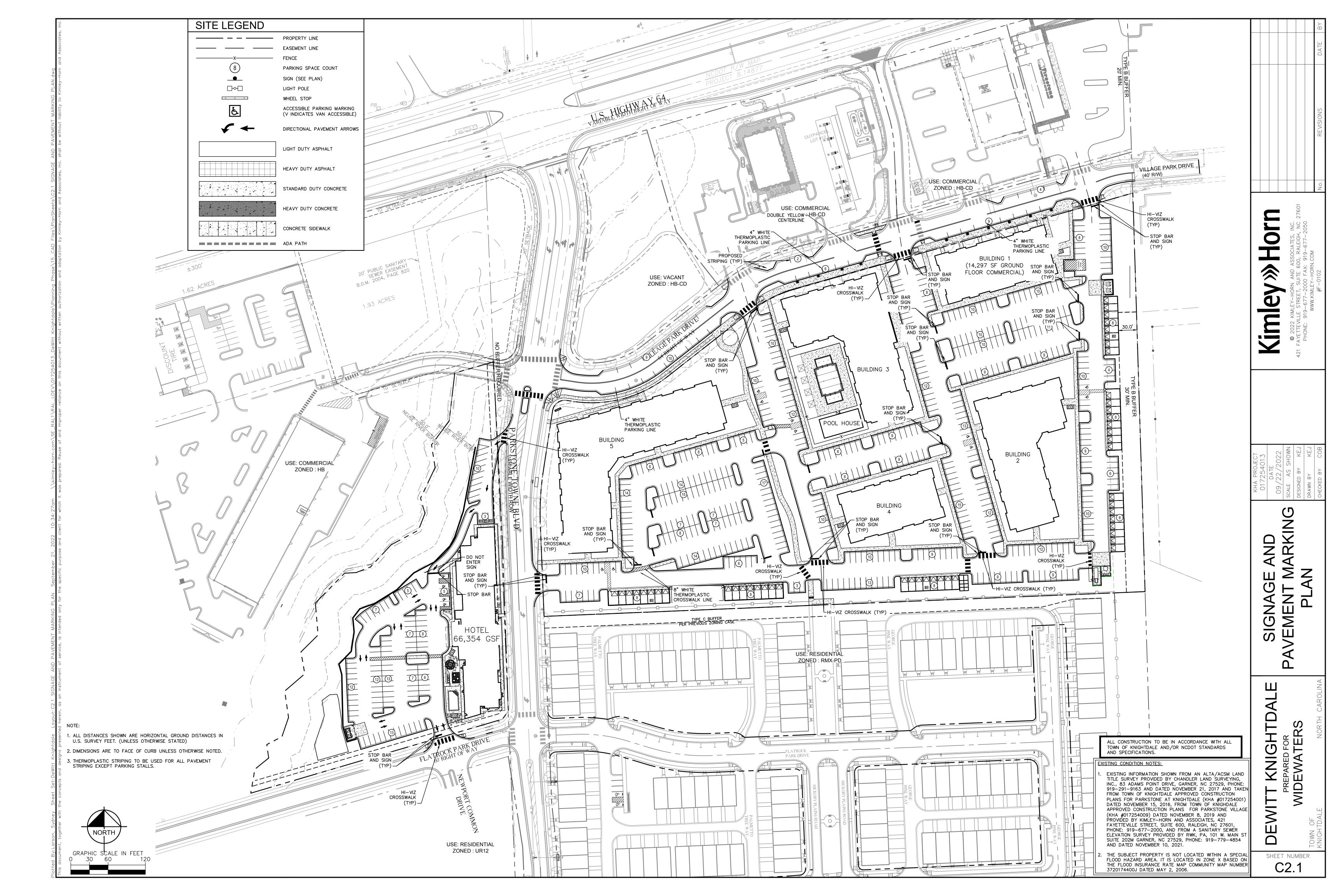
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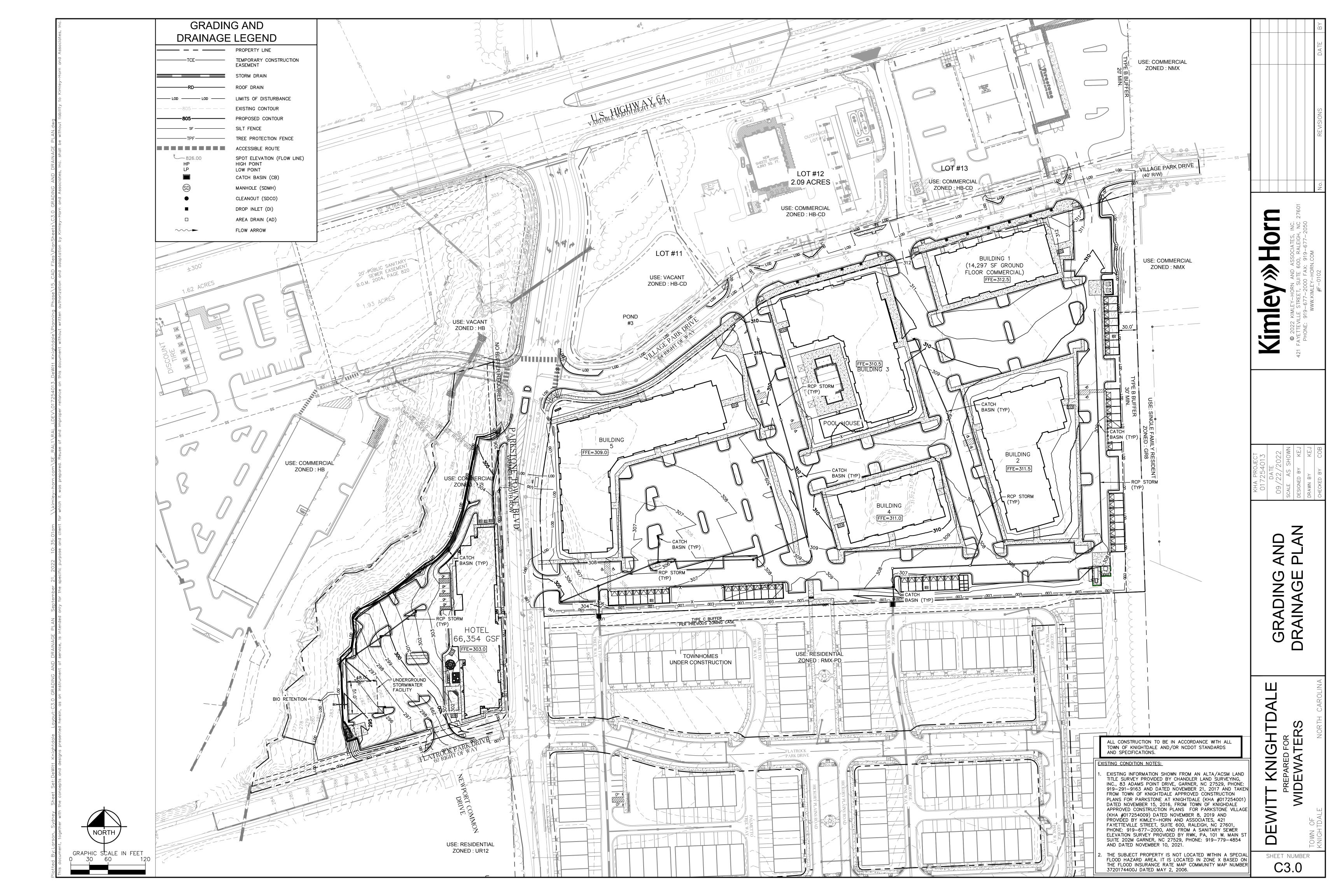
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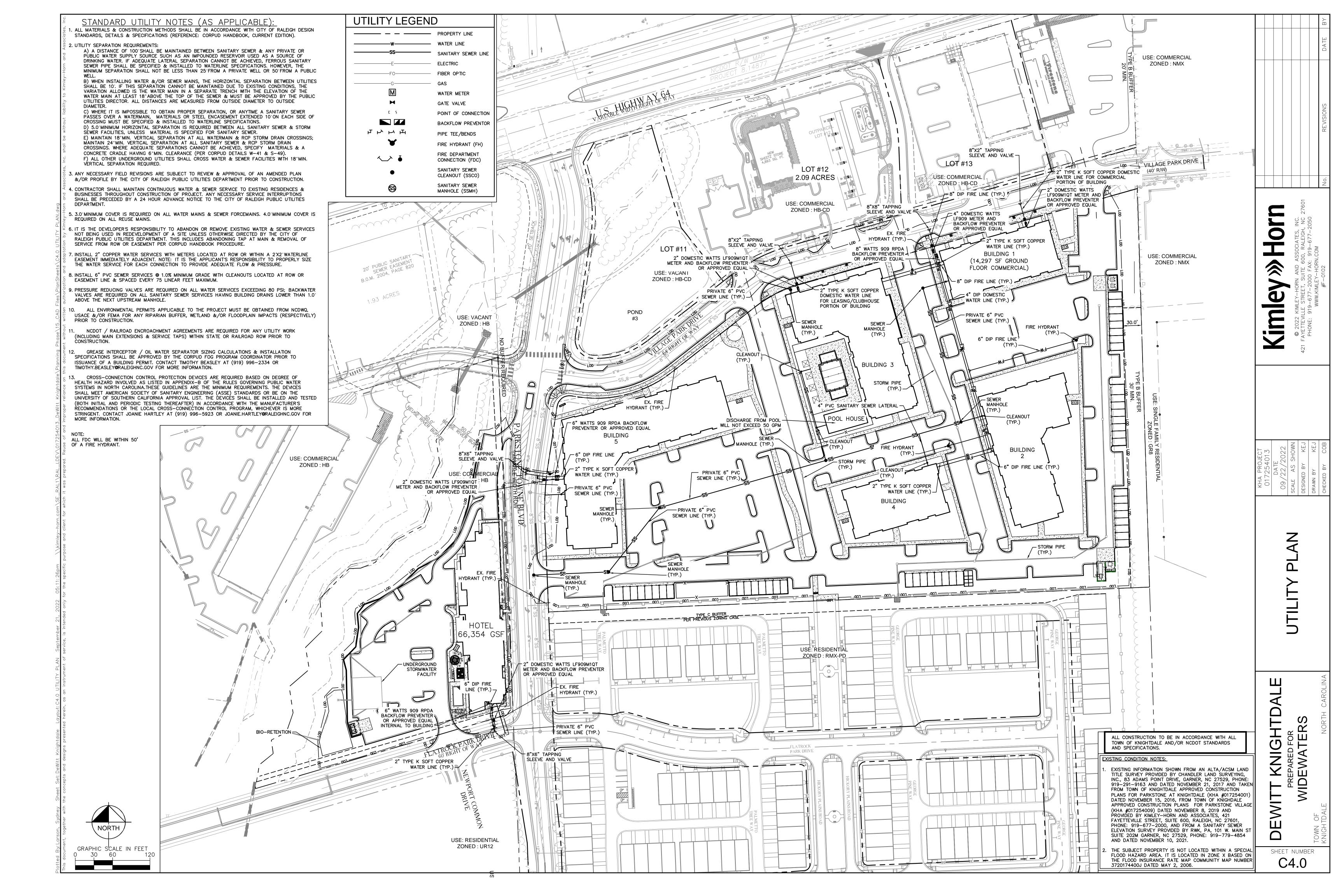
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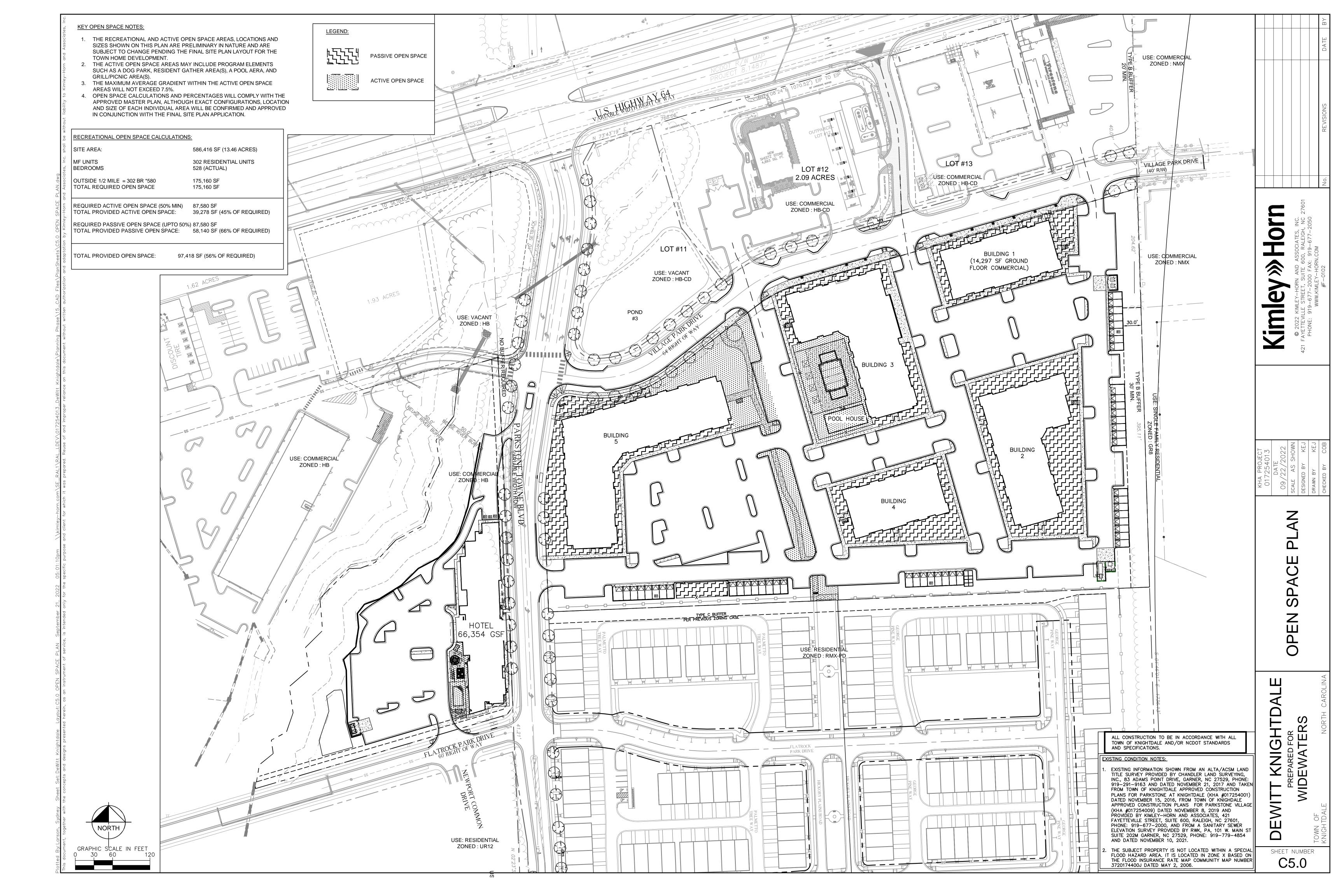


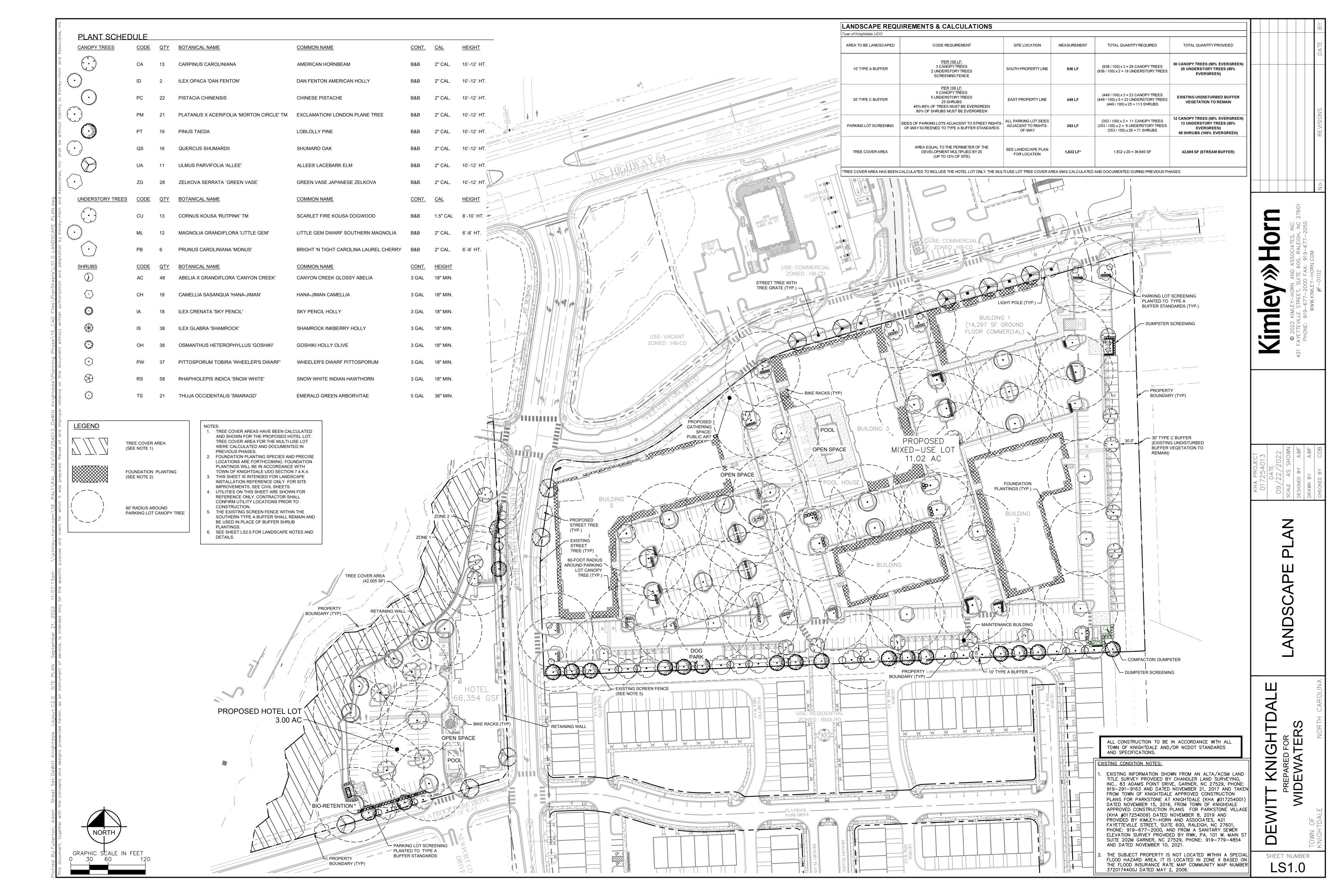


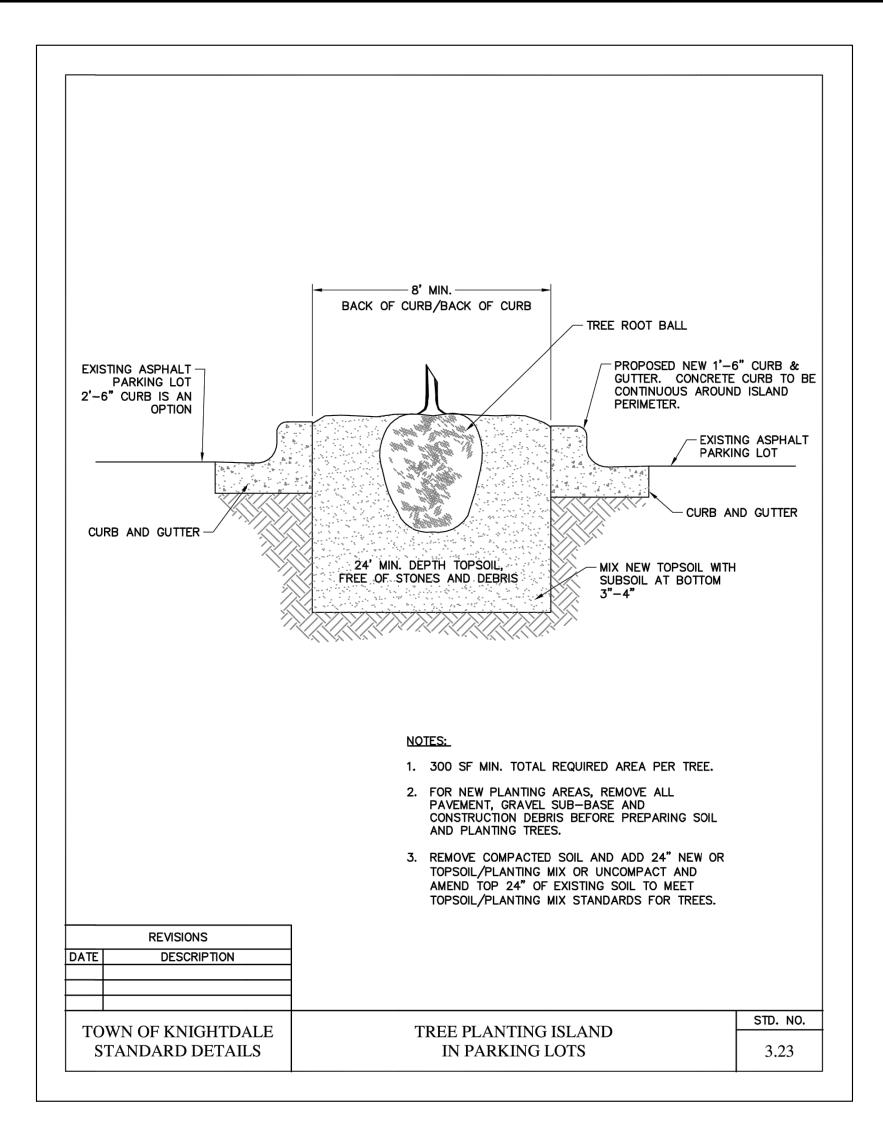




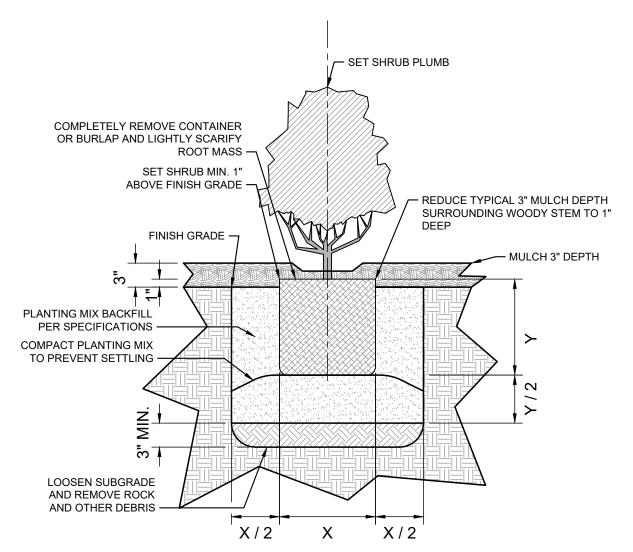








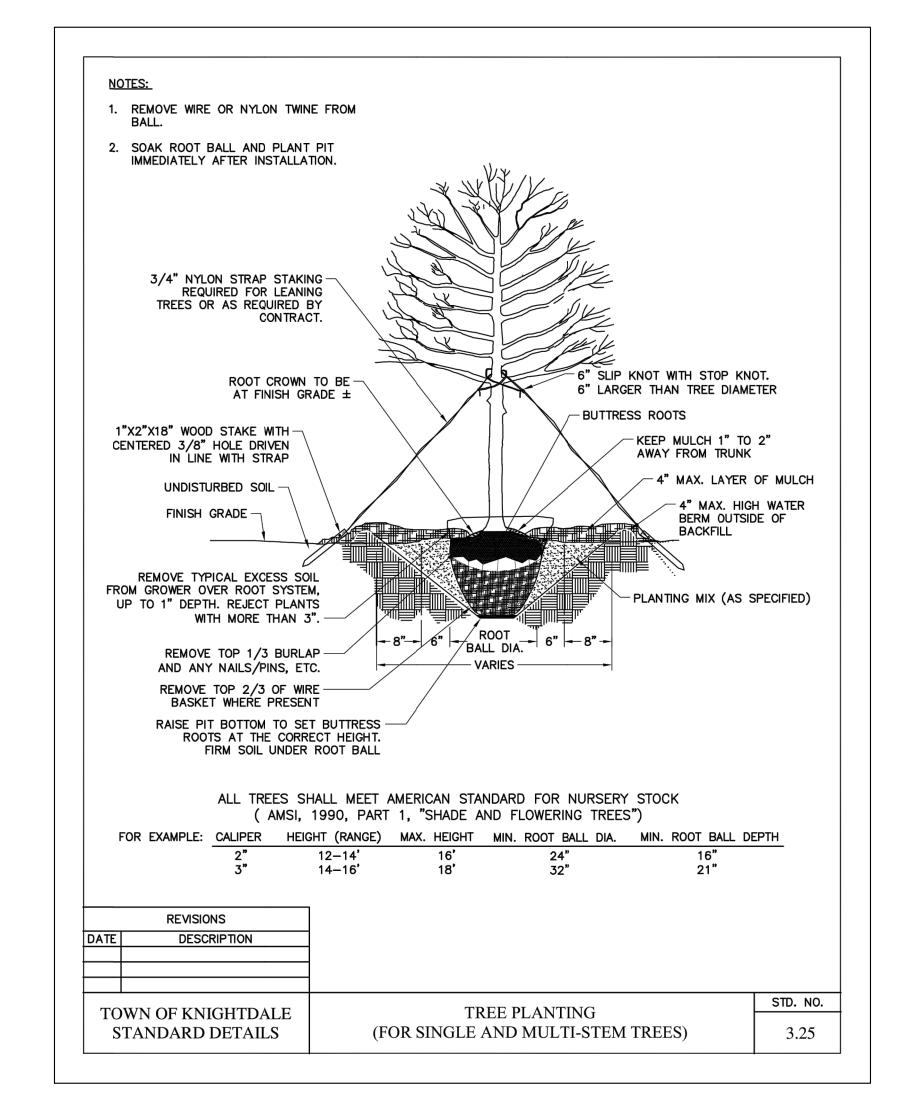


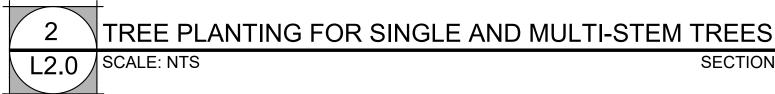


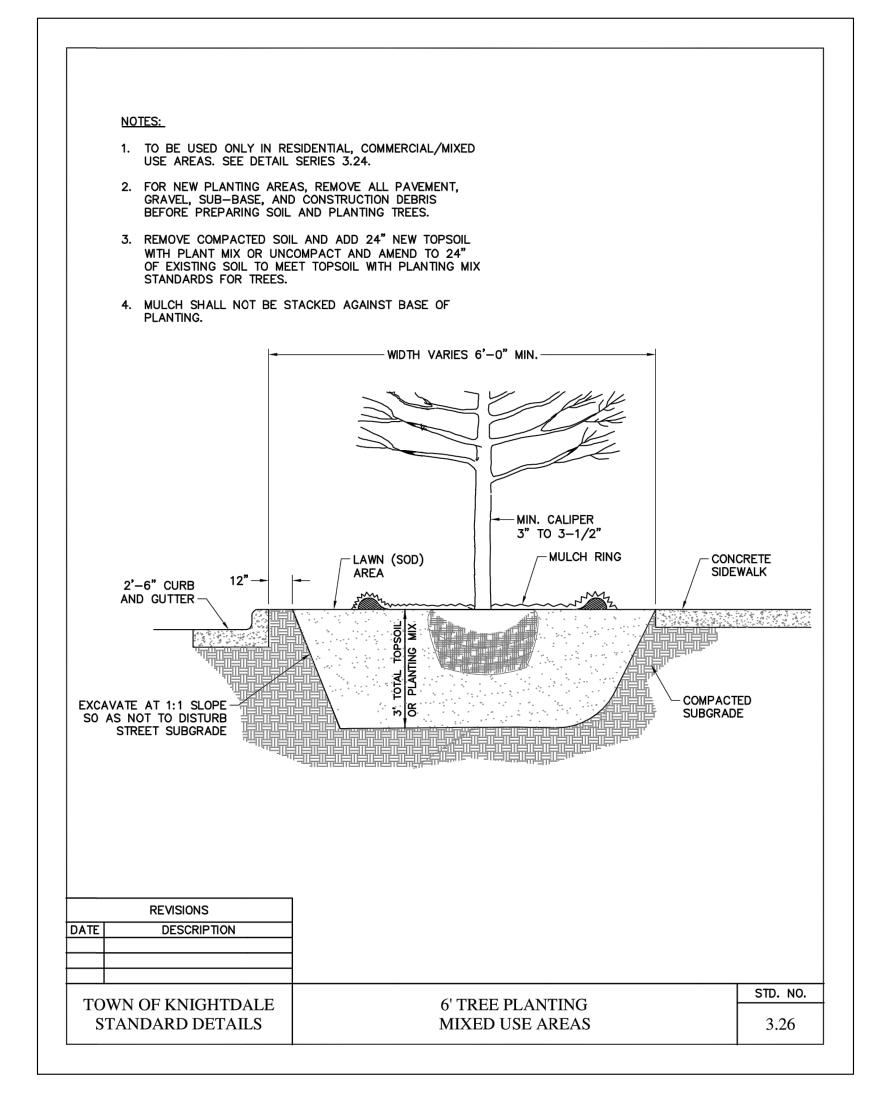
GENERAL LANDSCAPE NOTES:

- ALL PLANT MATERIAL PRICING SHALL INCLUDE MULCH, BED PREPARATION, AND STAKING.
- 2. 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.











GENERAL LANDSCAPE NOTES:

- 1. ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF PESTS AND DISEASE.
- 2. ALL PLANTS MUST BE CONTAINER GROWN OR BALLED AND BURLAPPED AS INDICATED IN THE PLANT SCHEDULE.
- 3. 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
- 4. ALL TREES MUST HAVE A STRAIGHT TRUNK AND FULL HEADED AND MEET ALL REQUIREMENTS SPECIFIED.
- 5. ALL PLANT MATERIAL STORED ON SITE SHALL BE LOCATED OUT OF DIRECT SUNLIGHT.
- 6. 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.
- 7. ALL PLANTING BEDS AND TREE RINGS MUST BE COMPLETELY MULCHED AS SPECIFIED.
- 8. 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.
- 9. STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK" REPRESENT GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL.
- 10. 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.
- 11. 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

- 12. SAFE, CLEARLY MARKED PEDESTRIAN AND VEHICULAR ACCESS TO ALL ADJACENT PROPERTIES MUST BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS.
- 13. ALL PLANT MATERIAL QUANTITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR
- COMPLETE COVERAGE OF ALL PLANTING BEDS AT SPACING SHOWN.

 14. THE TOD OF ALL POOT BALLS SHALL BEAR THE SAME BELATIONSHIP TO FINISHED CRADE. AS BORN TO
- 14. THE TOP OF ALL ROOT BALLS SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE, AS BORN TO PREVIOUS GRADE AND GROWING CONDITIONS.
- 15. ALL ROOT BALLS REMOVED FROM CONTAINERS SHALL BE SCARIFIED PRIOR TO BACKFILLING.
- 16. 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.

17. 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.

 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING TREES AND SHRUBS THAT WILL MEET BOTH
- 18. 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.
- 19. THE CONTRACTOR SHALL INSTALL BLACK FABRIC MESH UNDER PLANTING BED MULCH TO PREVENT WEED
- 20. 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.
- 21. 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 KNIGHDALE 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.

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.

LS2.0

IGHTDALE

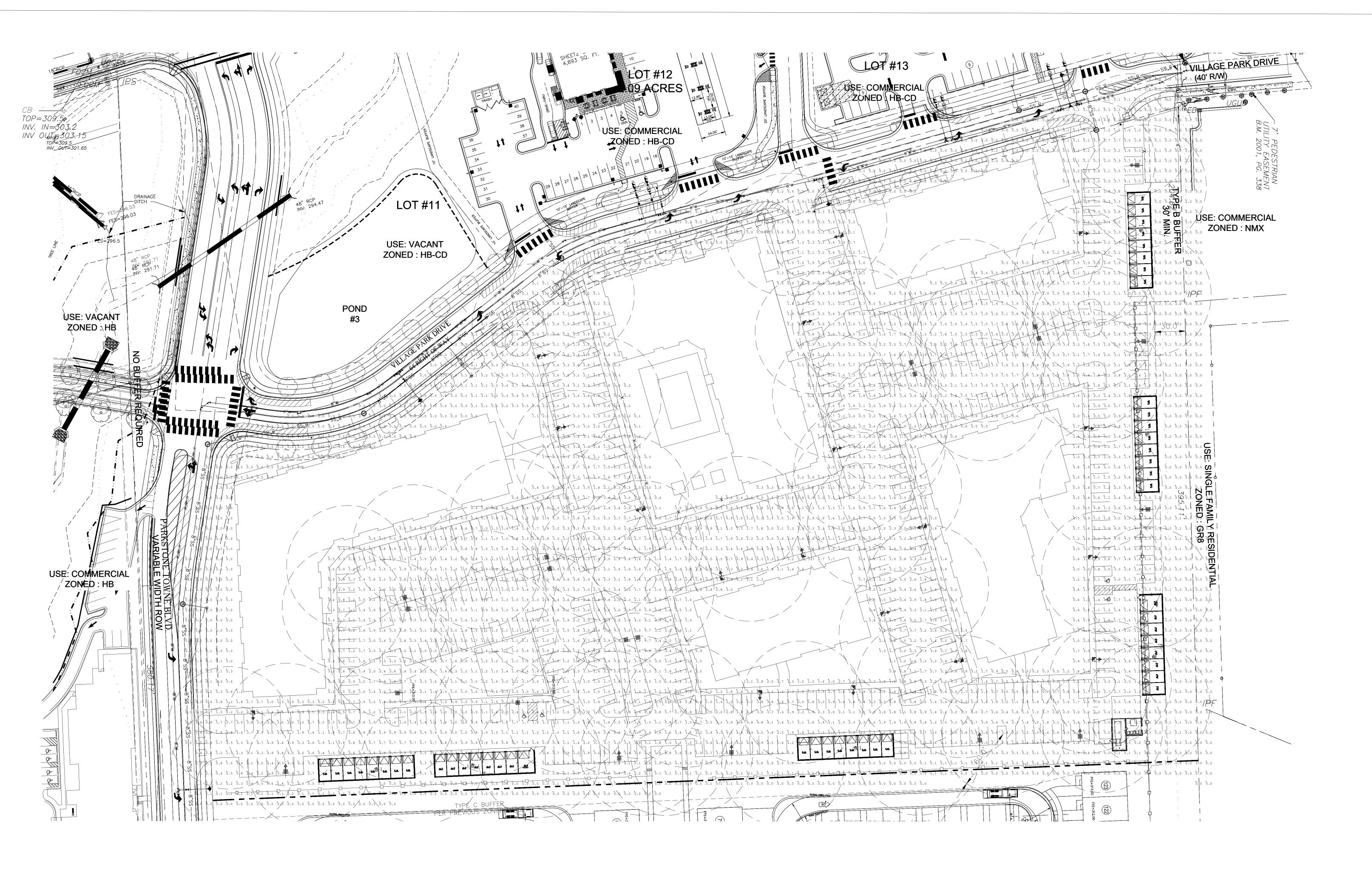
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PREPARED FOR WIDEWATER

P ≤ NUMBER



Calculation Summary								
Label	Units	Avg	Max	Min	Avg/Min	Max/Min	PtSpcLr	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 KNIGHTDALE, NC PLEASE CONTACT STEVE VARDEMAN AT SMVARDEMAN@GMAIL.COM Lum. Lumens LLF Lum. Watts Description 0.950 135 17636 MRS-LED-18L-SIL-5W-40-70CRI 25' MOUNTING HEIGHT 17636 135 MRS-LED-18L-SIL-5W-40-70CRI 25' MOUNTING HEIGHT **—** 0.950 0.950 MRS-LED-18L-SIL-FT-40-70CRI-IL 25' MOUNTING HEIGHT 135 11444 17682 135 0.950 MRS-LED-18L-SIL-FT-40-70CRI 25' MOUNTING HEIGHT

- 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 ORDINACES.

- 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:

KNIGHTDALE, NC

SCALE: 1"= 40'

Notes:

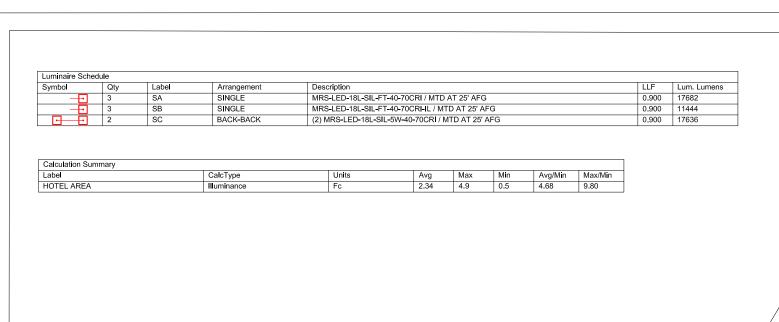
PRICING CONTACT: STEVE VARDEMAN 817-925-7322

FILE:

KNIGHTDALE.agi

Date:

1-25-22



- 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 ORDINACES.
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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

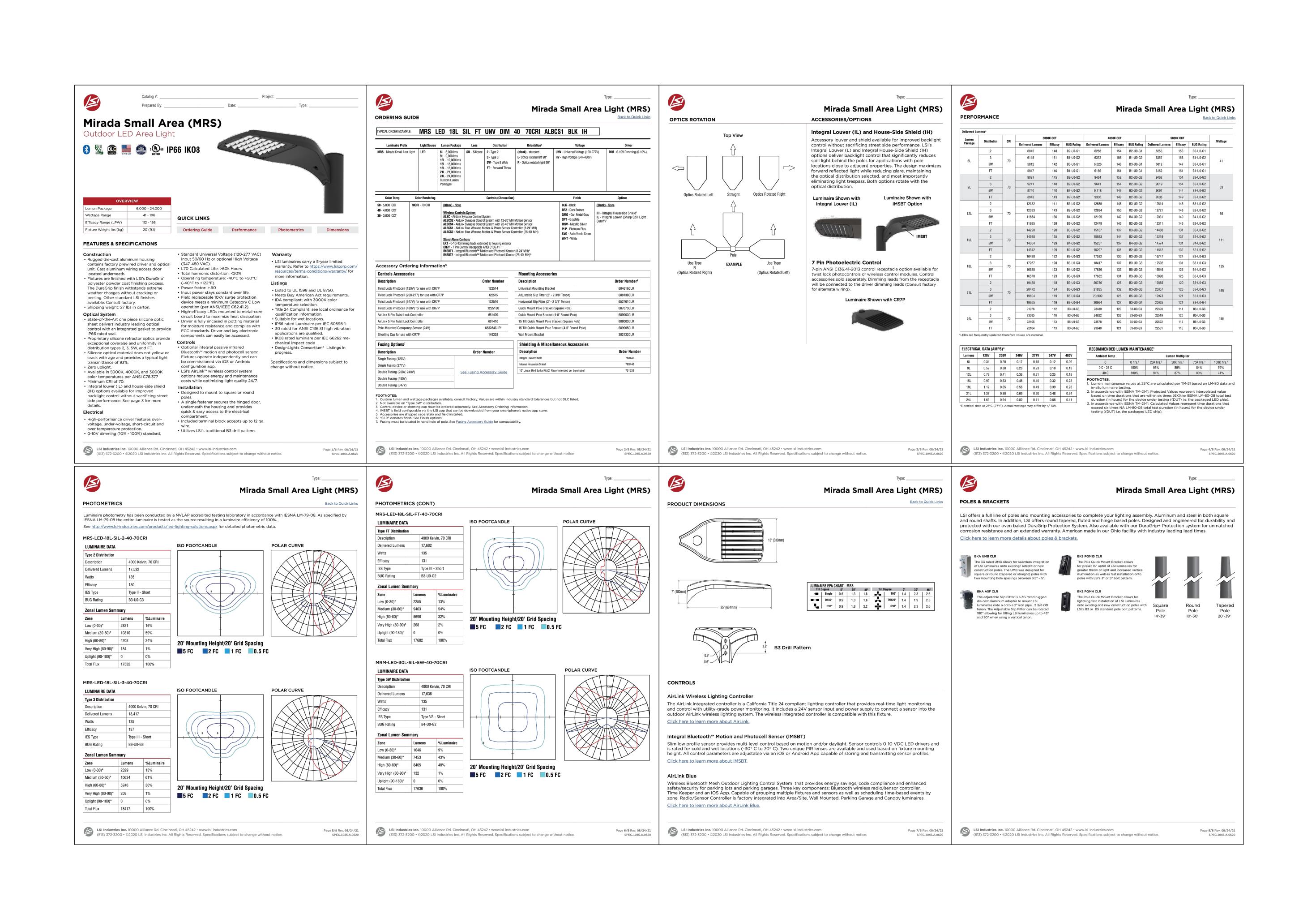
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KD-2022-03-24

Date:

03-24-22

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AYETTEVILLE STREET, SUITE 600, RALEIGH, NC 27601
PHONE: 919-677-2000 FAX: 919-677-2050

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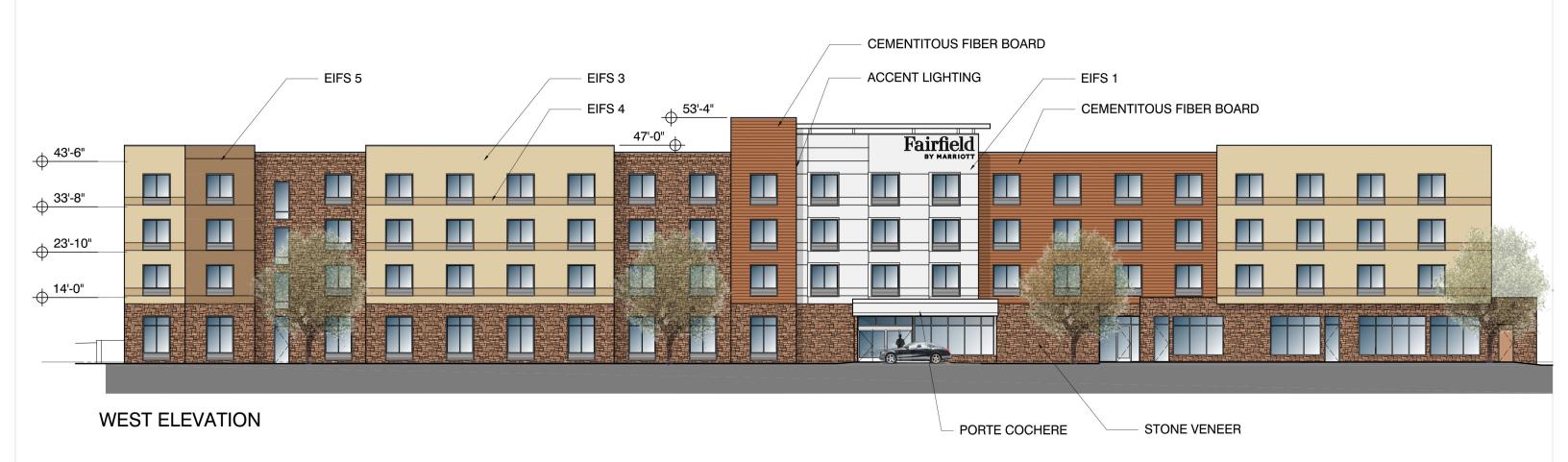
DATE
03/28/2022
SCALE AS SHOWN
DESIGNED BY KEJ
DRAWN BY KEJ

GHTING DETAILS

D FOR ATERS

EWILL KNIGHI
PREPARED FOR
WIDEWATERS

SHEET NUMBER





NORTH ELEVATION

%	AREA	MATERIALS LEGEND	
9.14	2,224	EIFS 1	
29.36	7,144	EIFS 3	
3.57	868	EIFS 4	
6.79	1,651	EIFS 5	
34.5	8,394	STONE VENEER	
16.64	4,050	CEMENTITOUS FIBER BOARD	

100% 24,331 SF TOTAL

KNIGHTDALE FAIRFIELD INN & SUITES

APRIL 22, 2022

ELEVATIONS Scale: 1" = 20'







KNIGHTDALE FAIRFIELD INN & SUITES

APRIL 22, 2022 ELEVATIONS

Scale: 1" = 20'





