Administrative Site Review Application

Planning and Development Customer Service Center • One Exchange Plaza, Suite 400 | Raleigh, NC 27601 | 919-996-2500

Raleigh

This form is required when submitting site plans as referenced in Unified Development Ordinance (UDO) Section 10.2.8. Please check the appropriate building types and include the plan checklist document when submitting.

Office Use Only: Case #: _____ Planner (print): _____

Please review UDO Section 10.2.8. to determine the site plan tier. If assistance determining a Site Plan Tier is needed a Site Plan Tier Verification request can be submitted online via the Permit and Development Portal. (Note: There is a fee for this verification service.)

Site Plan Tier: Tier Two Site Plan ☐ Tier Three Site Plan ☑

Building and Development Type (Check all that apply)		**Site Transaction History**
☐ Detached ☐ Attached ☐ Townhouse ☐ Apartment ☐ Tiny house ☐ Open lot	☐ General ☑ Mixed use ☐ Civic ☐ Cottage Court ☐ Frequent Transit Development Option	Subdivision case #: _____ Scoping/sketch plan case #: _____ Certificate of Appropriateness #: _____ Board of Adjustment #: _____ Zoning Case #: _____ Design Alternate #: _____

GENERAL INFORMATION

Development name: WAKEMED HOSPITAL NORTH DECK EXPANSION

Inside City limits? Yes ☑ No ☐

Property address(es): 10000 FALLS OF NEUSE RD

Site P.I.N.(s): 1718952829

Please describe the scope of work. Include any additions, expansions, and uses (UDO 6.1.4).

Extending the Parking deck to provide more spaces for the Patient and visitors.

Current Property Owner(s):

Company: WAKEMED PROPERTY SERVICE | Title: CORPORATE ACCUNTING

Address: 3000 NEW BARN AVE

Phone #: | Email:

Applicant Name (If different from owner. See "who can apply" in instructions):

Relationship to owner: ☐ Lessee or contract purchaser ☑ Owner's authorized agent ☐ Easement holder

Company: WAKEMED PROPERTY SEF | Address: 3000 NEW BARN AVE

Phone #: 919-606-8392	Email: CPERMAR@WAKEMED.ORG
NOTE: please attach purchase agreement or contract, lease or easement when submitting this form.	
Developer Contact: CARA PERMAR	
Company: WAKE MED PROPERTY SERVICE	Title: PROJECT MANAGER
Address: 3000 NEW BARN AVE	
Phone #: 919-606-8392	Email: CPERMAR@WAKEMED.ORG
Applicant Name:	
Company:	Address:
Phone #: 919-606-8392	Email:

DEVELOPMENT TYPE + SITE DATE TABLE (Applicable to all developments)	
SITE DATA	**BUILDING DATA**
Zoning district(s) (please provide the acreage of each):	Existing gross floor area (not to be demolished):
Gross site acreage: 14.89	Existing gross floor area to be demolished:
# of parking spaces proposed: 588	New gross floor area:
Max # parking permitted (7.1.2.C): 762	Total sf gross (to remain and new):
Overlay District (if applicable):	Proposed # of buildings:
Existing use (UDO 6.1.4): O&I-1 CUD	Proposed # of stories for each:
Proposed use (UDO 6.1.4): O&I-1 CUD	Proposed # of basement levels (UDO 1.5.7.A.6)

STORMWATER INFORMATION	
Imperious Area on Parcel(s): Existing (sf) 28,108 Proposed total (sf) 30,465	Impervious Area for Compliance (includes ROW): Existing (sf) _____ Proposed total (sf) _____

RESIDENTIAL & OVERNIGHT LODGING DEVELOPMENTS	
Total # of dwelling units:	Total # of hotel bedrooms:
# of bedroom units: 1br ____ 2br ____ 3br ____ 4br or more ____	
# of lots:	Is your project a cottage court? ◯ Yes ◯ No
	A frequent transit development? ◯ Yes ◯ No

Continue to Applicant Signature Block on Page Three.

APPLICANT SIGNATURE BLOCK	
Pursuant to state law (N.C. Gen. Stat. § 160D-403(a)), applications for development approvals may be made by the landowner, a lessee or person holding an option or contract to purchase or lease land, or an authorized agent of the landowner. An easement holder may also apply for development approval for such development as is authorized by the easement. By submitting this application, the undersigned applicant acknowledges that they are either the property owner or one of the persons authorized by state law (N.C.G.S. 160D-403(a)) to make this application, as specified in the application. The undersigned also acknowledges that the information and statements made in the application are correct and the undersigned understands that developments approvals are subject to revocation for false statements or misrepresentations made in securing the development approval, pursuant to N.C. Gen. Stat. § 160D-403(f). The undersigned indicates that the property owner(s) is aware of this application and that the proposed project described in this application will be maintained in all respects in accordance with the plans and specifications submitted herewith, and in accordance with the provisions and regulations of the City of Raleigh Unified Development Ordinance. The undersigned hereby acknowledges that, pursuant to state law (N.C.G.S. 143-755(b1), if this permit application is placed on hold at the request of the applicant for a period of six consecutive months or more, or if the applicant fails to respond to comments or provide additional information requested by the City for a period of six consecutive months or more, then the application review is discontinued and a new application is required to proceed and the development regulations in effect at the time permit processing is resumed shall apply to the new application.	
Signature:	Date:
Printed Name:	

[redacted]

[redacted]

EXPANSION

10000 FALLS OF NEUSE RD
RALEIGH, NORTH CAROLINA 27614

CITY OF RALEIGH
DEVELOPMENT DOCUMENTS

INITIAL ASR SUBMITTAL: SEPTEMBER 20, 2023

SITE DATA

PROJECT NAME:	WAKEMED NORTH DECK EXPANSION
SITE ADDRESS:	10000 FALLS OF NEUSE RD
COUNTY:	WAKE COUNTY
PARCEL PIN #:	1718952829
PARCEL OWNER:	WAKEMED PROPERTY SERVICE
PARCEL AREA:	20.15
TOTAL SITE GROSS ACREAGE:	14.89
NET ACREAGE:	14.89 AC (0.94 RIGHT OF WAY DEDICATION)
CURRENT ZONING:	OX-5-CU
PROPOSED ZONING:	OX-5-CU
EXISTING LAND USE:	MEDICAL INSTITUTION
PROPOSED LAND USE:	MEDICAL INSTITUTION
FLOOD PLAIN DATA:	NO FLOOD PLAIN
RIVER BASIN:	NEUSE RIVER
CONSTRUCTION TYPE:	IIB
MAX BUILDING HEIGHT:	5 STORIES (80')
PROPOSED BUILDING HEIGHT:	4 STORIES
PROPOSED BUILDING SQUARE FOOTAGE:	55,000
TREE CONSERVATION AREA::	0.344 AC (2.27% OF NET SITE AREA)
TOTAL LIMITS OF DISTURBANCE::	0.42 AC / 18,352 SF
EXISTING IMPERVIOUS AREA:	1.44 AC/ 628,845 SF
PROPOSED IMPERVIOUS AREA:	0.30 AC/ 13,032 SF
PARKING DATA:	
REQUIRED PARKING:	N/A
PROPOSED PARKING:	563 SPACES
TOTAL PARKING:	563 SPACES

SHEET INDEX TABLE

SHEET #	SHEET NAME	ASR SUBMITTAL	OWNER
G001	COVER SHEET		STEWART
G002	LIFE SAFETY PLANS		EWING COLE
C101	EXISTING CONDITIONS PLAN		STEWART
C201	DEMOLITION PLAN		STEWART
C301	SITE PLAN		STEWART
C501	GRADING & STORM DRAINAGE PLAN		STEWART
C601	UTILITY PLAN		STEWART
C602	UTILITY PLAN		STEWART
C701	LIGHTING PLAN		STEWART
L101	LANDSCAPE PLAN		KIMLEY-HORN
L201	LANDSCAPE DETAILS		KIMLEY-HORN
TC101	TREE CONSERVATION PLAN		KIMLEY-HORN
A310	ELEVATION STUDIES		EWING COLE
A311	ELEVATION STUDIES		EWING COLE
A312	ELEVATION OPEN AIR CALCULATIONS		EWING COLE
A310	ELEVATION OPEN AIR CALCULATIONS		EWING COLE
TR101	STRIPING PLANS - LEVEL 1		KIMLEY-HORN
TR102	STRIPING PLANS - LEVEL 2 & 3		KIMLEY-HORN
TR103	STRIPING PLANS - LEVEL P4		KIMLEY-HORN
TR104	STRIPING PLANS - LEVEL P5		KIMLEY-HORN
TR501	STRIPING DETAILS		KIMLEY-HORN

Raleigh

Administrative Site Review
Submittal Instructions

Site plan applications fall under one of the three tiers. The tier category indicates which Unified Development Ordinance (UDO) provisions are applicable in the review and approval of a site plan application. The Administrative Site Review (ASR) review process is for site plans that qualify as either a Tier Two or Tier Three Site Plan as specified in UDO Section 10.2.8.

Email all documents with your ASR plans to SiteReview@raleighnc.gov.

- Tier One Site Plans are reviewed under the Non-Residential Permit review process
- If assistance determining a Site Plan Tier is needed a Site Plan Tier Verification request can be submitted online via the Permit and Development Portal. Please note you will need a registered account to submit an online portal request. There is also a fee for this verification service.

Note: Applicants seeking to revise an already approved site plan must follow the "Modifications to an Approved Site Plan" application process.

Who can apply:
In accordance with state law (N.C.G.S. § 160D-403(a)), applications for site plan approvals may be made by the following individuals:
- The landowner (holder of the title in fee simple);
- A lessee or person holding an option or contract to purchase or lease land;
- An authorized agent of the landowner; or
- An easement holder, for such development as is authorized by the easement.

What to Submit:
- Administrative Site Review Checklist
- Administrative Site Review Application
- One digital copy of proposed plans and supporting documents
  - Original plans scanned to scale, in sequential order
    - To engineering scale, example: 1"=20', 1"=100'
  - For resubmittals, include all revisions and responses to comments
- If dwelling units are proposed, submit the Wake County Residential Development Notification Form

Mailed Notification Process (if applicable):
- Notification letters should be mailed to:
  Planning and Development Department
  ATTN: Daniel L. Stegall
  One Exchange Plaza, Suite 400
  Raleigh, NC 27601
- Per UDO Section 10.2.8.C.1d and Section 10.2.1.C, notification letters must be provided at the time of application submission (when applicable). Please mail your letters as soon as possible to avoid delays. (See adopted UDO text change TC-11-20 "Tenant Notification")
- Mailouts will be processed once we receive both your digital application and your notification letter package.

Payment:
Please review the Development Fee Schedule to estimate your fees. Payments can be made:
- Online via the Permit and Development Portal (you must be a registered user)
- Over the phone via the Customer Service Center (919-996-2500)
- Fees for Site Plans are based on the project scope as defined in the Development Fee Schedule. (Please note: The Site Plan Tier and the Site Plan Level defined in the fee schedule are independent of one another.)

Questions? We're here to help! Contact the Planning and Development Customer Service Center at 919-996-2500 or ds.help@raleighnc.gov.

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Raleigh

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☐ Apartment	☐ Cottage Court	Board of Adjustment #: _____
☐ Tiny house	☐ Frequent Transit Development Option	Zoning Case #: _____
☐ Open lot		Design Alternate #: _____

GENERAL INFORMATION

Development name: WAKEMED HOSPITAL NORTH DECK EXPANSION

Inside City limits? Yes ☑ No ☐

Property address(es): 10000 FALLS OF NEUSE RD

Site P.I.N.(s): 1718952829

Please describe the scope of work. Include any additions, expansions, and uses (UDO 6.1.4).

ART
JCENSE #: C-1051
/ww.stewartinc.com
tOJECT #: C22050

ARIE PATHMANATHAN, PE
GINEER
T)
THAN@STEWARTINC.COM

Kimley»Horn
Expect More. Experience Better.

KIMLEY HORN
421 FAYETTEVILL STREET SUITE 600
RALEIGH NC 27601
ETHAN HILL, P.E
919.677.2060 (T)
ETHAN.HILL@KIMLEY-HORN.COM

EWING COLE

EWING COLE
8208 BROWNLEIGH DRIVE SUITE 200
RALEIGH NC 27617
CHAD BUTTERWORTH, RA, LEED AP
919.256.5881 (T)
CBUTTERWORTH@EWINGCOLE.COM

SUITE 600
RALEIGH, NC 27601

PHONE: 919.677.2000
FAX: 919.677.2050

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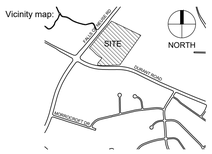
STEWART
223 S. WEST ST., #1100
RALEIGH, NC 27603
T 919.380.8750
FIRM LICENSE #: C-1051
www.stewartinc.com

SEALS

PRELIMINARY DRAWINGS
DO NOT USE FOR CONSTRUCTION

[redacted]

Vicinity map:



WakeMed
North Deck
Expansion

Raleigh, NC

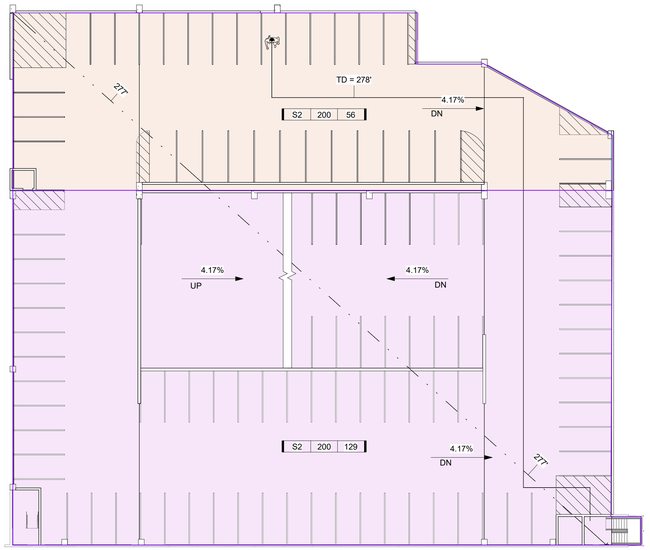
NO:	DATE	DRAWING ISSUE DESCRIPTION

DESIGNED BY: _____
DRAWN BY: DMM
CHECKED BY: MP
SCALE: SCALE 1"=30'
DATE: 09.20.2023
PROJECT NO: C22050

COVER SHEET

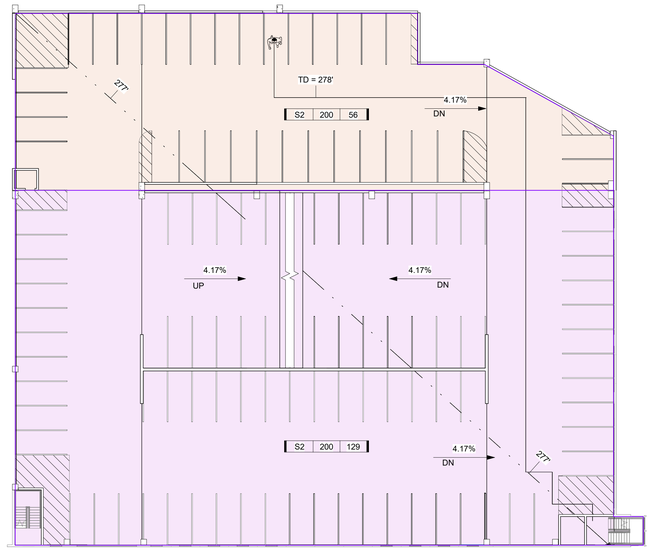
SITE REVIEW SUBMITTAL

G001



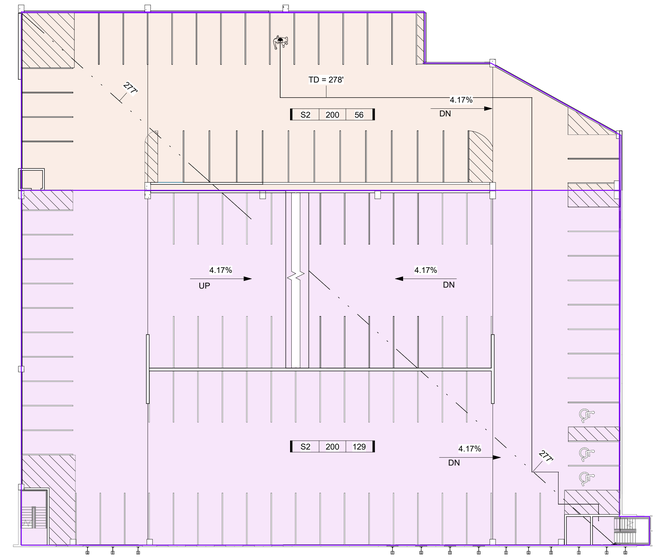
5 LEVEL 5 LIFE SAFETY PLAN
SCALE: 3/64" = 1'-0"

LS - LEVEL 5 - OCCUPANT LOAD			
FUNCTION OF SPACE	AREA (SF)	OCCUPANT LOAD FACTOR (SF / OCC)	OCCUPANT LOAD
PARKING DECK - EXISTING	25803	200	129
PARKING DECK - NEW	11107	200	56
	36910		185



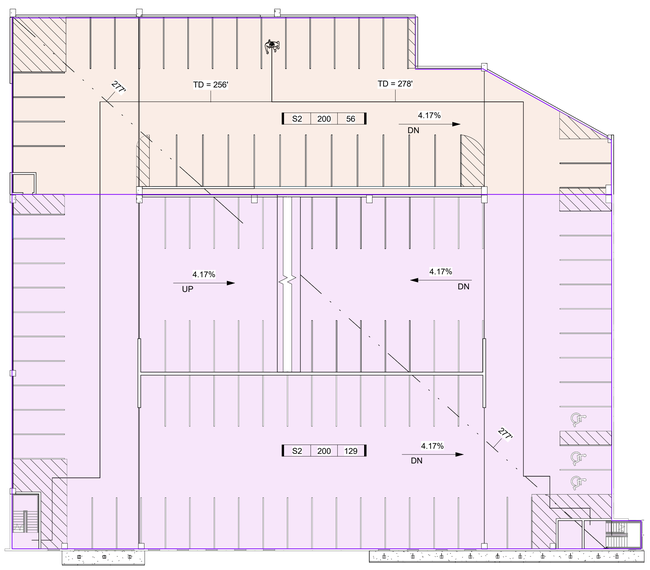
4 LEVEL 4 LIFE SAFETY PLAN
SCALE: 3/64" = 1'-0"

LS - LEVEL 4 - OCCUPANT LOAD			
FUNCTION OF SPACE	AREA (SF)	OCCUPANT LOAD FACTOR (SF / OCC)	OCCUPANT LOAD
PARKING DECK - EXISTING	25793	200	129
PARKING DECK - NEW	11031	200	56
	36824		185



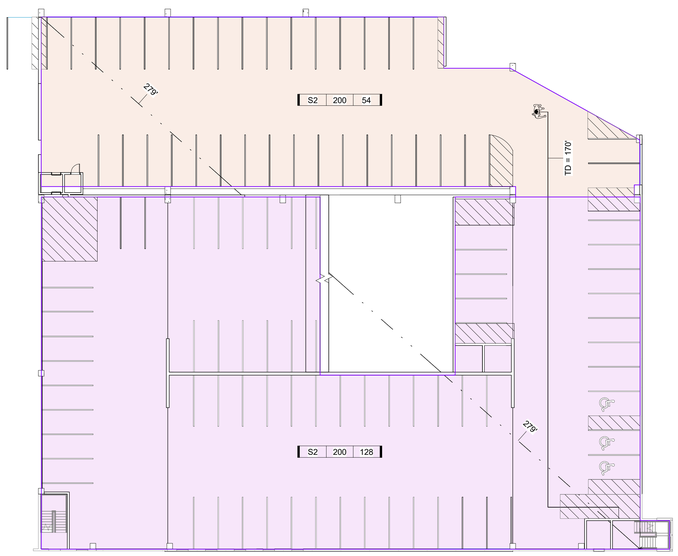
3 LEVEL 3 LIFE SAFETY PLAN
SCALE: 3/64" = 1'-0"

LS - LEVEL 3 - OCCUPANT LOAD			
FUNCTION OF SPACE	AREA (SF)	OCCUPANT LOAD FACTOR (SF / OCC)	OCCUPANT LOAD
PARKING DECK - EXISTING	25776	200	129
PARKING DECK - NEW	11108	200	56
	36883		185



2 LEVEL 2 LIFE SAFETY PLAN
SCALE: 3/64" = 1'-0"

LS - LEVEL 2 - OCCUPANT LOAD			
FUNCTION OF SPACE	AREA (SF)	OCCUPANT LOAD FACTOR (SF / OCC)	OCCUPANT LOAD
PARKING DECK - EXISTING	25813	200	129
PARKING DECK - NEW	11032	200	56
	36845		185

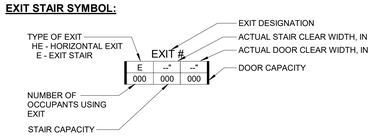


1 LEVEL 1 LIFE SAFETY PLAN
SCALE: 3/64" = 1'-0"

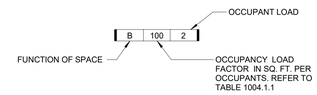
LS - LEVEL 1 - OCCUPANT LOAD			
FUNCTION OF SPACE	AREA (SF)	OCCUPANT LOAD FACTOR (SF / OCC)	OCCUPANT LOAD
PARKING DECK - EXISTING	22714	200	128
PARKING DECK - NEW	10648	200	54
	33362		182

LIFE SAFETY LEGEND

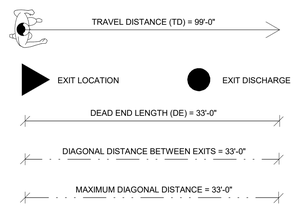
EXIT STAIR SYMBOL:

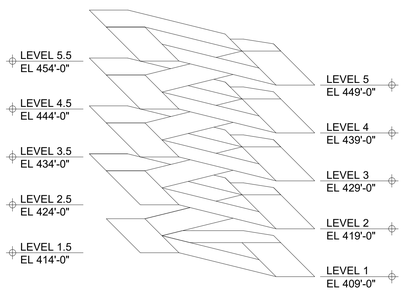


OCCUPANCY LOAD SYMBOL:



ADDITIONAL LIFE SAFETY SYMBOLS:





LEVEL KEY

Kimley»Horn
NC LICENSE #F-0102

421 FAYETTEVILLE STREET
SUITE 600
RALEIGH, NC 27601

PHONE: 919.677.2000
FAX: 919.677.2050

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EWING COLE

8208 Brownleigh Drive, Suite 200
Raleigh, NC 27617
Tel: 919-460-6700 Fax: 919-460-6733

SEALS

WAKEMED NORTH DECK EXPANSION

10000 FALLS OF NEUSE ROAD, RALEIGH NORTH CAROLINA

CLIENT PROJECT INFO

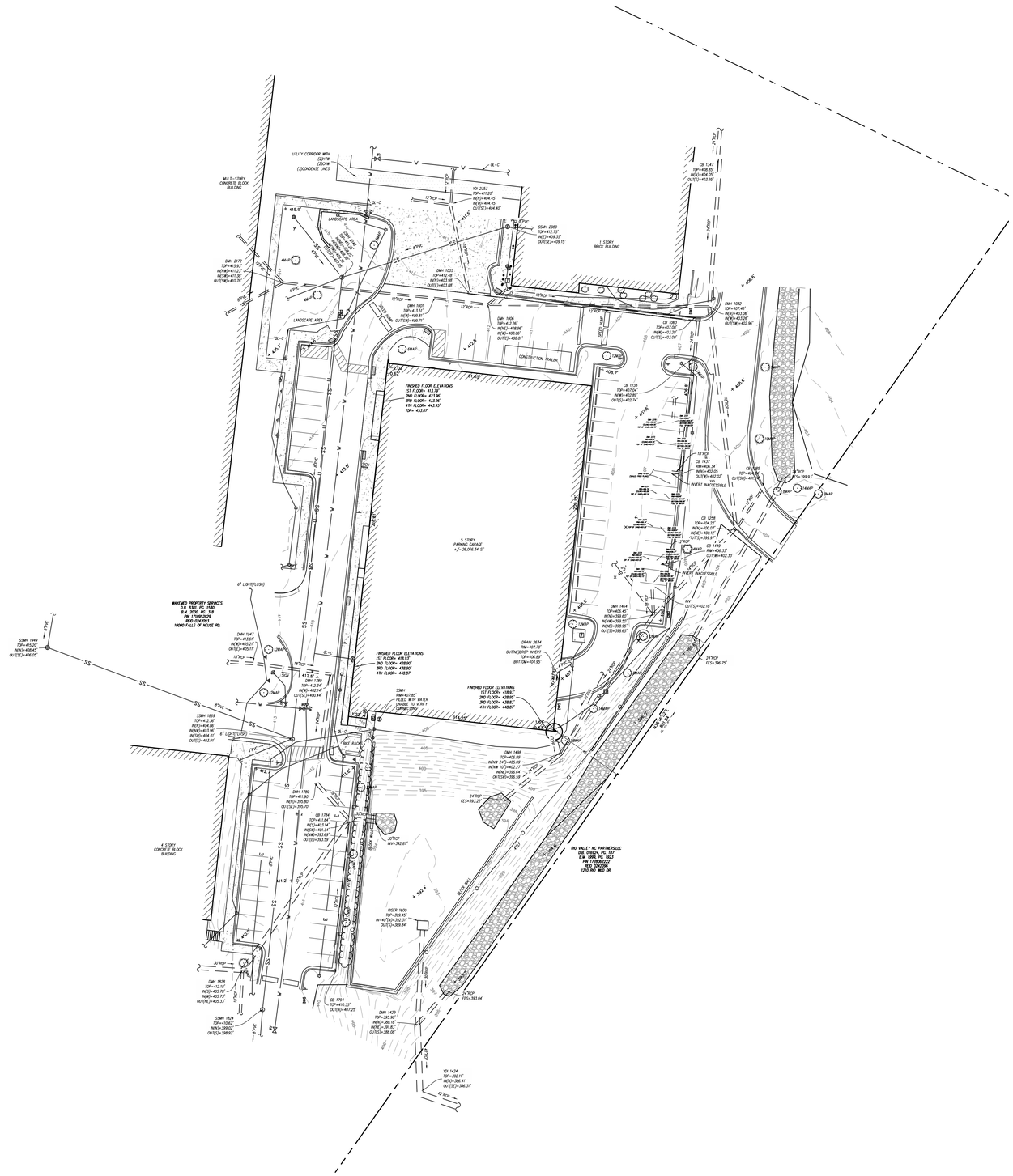
NO:	DATE	DRAWING ISSUE DESCRIPTION

DESIGNED BY: -
DRAWN BY: RA
CHECKED BY: -
SCALE: As indicated
DATE: 09/20/23
PROJECT NO: 20220492
FILENAME:

LIFE SAFETY PLANS

Site Review Submittal

G002



SURVEY LEGEND:

SYMBOL	DESCRIPTION
	SURVEY CONTROL POINT
EIP	EXISTING IRON PIPE
ECM	EXISTING CONCRETE MONUMENT
	COMPUTED POINT
	STORM DRAIN MANHOLE
	STORM DRAIN CURB INLET
	SANITARY SEWER MANHOLE
	SANITARY SEWER CLEANOUT
	SANITARY FORCEMAIN VALVE
	HYDRANT
WV	WATER VALVE
WM	WATER METER
	WATER MANHOLE
W	WATER VAULT
W	WELL
GV	GAS VALVE
GM	GAS METER
	TELEPHONE MANHOLE
TPED	TELEPHONE PEDESTAL
	TV MANHOLE
CATV	TV PEDESTAL
FOWP	FIBER OPTIC WITNESS POST
FO	FIBER OPTIC BOX
E	ELECTRIC MANHOLE
EM	ELECTRIC METER
EB	ELECTRIC BOX
	UTILITY POLE
	GUY POLE
	GUY WIRE
	LIGHT POLE
MP	MANHOLE
TS	TRAFFIC SIGNAL BOX
	TRAFFIC SIGNAL POST
MW	MONITORING WELL
BOR	BORING LOCATION
	BOLLARD
	SIGN
FF=267.18'	FINISHED FLOOR ELEVATION
	DECIDUOUS TREE
	EVERGREEN TREE
	BUSH
—X—	WIRE FENCE
—O—	CHAIN LINK FENCE
—T—	UNDERGROUND TELEPHONE LINE
—FO—	UNDERGROUND FIBER OPTIC LINE
—G—	UNDERGROUND GAS LINE
—E—	UNDERGROUND ELECTRIC LINE
—W—	UNDERGROUND WATER LINE
—SS—	SANITARY SEWER LINE
= = =	STORM DRAIN LINE
—OHW—	OVERHEAD WIRES
—U—	UNIDENTIFIED LINE
	UNKNOWN DESTINATION
	CONCRETE SURFACE
DIP	DUCTILE IRON PIPE
PVC	POLYVINYL CHLORIDE PIPE
HDPE	HIGH-DENSITY POLYETHYLENE PIPE
RCP	REINFORCED CONCRETE PIPE
CMP	CORRUGATED METAL PIPE
CB	CATCH BASIN

TREE LEGEND:

IO	AMERICAN HOLLY
JV	EASTERN RED CEDAR
LI	CREPE MYRTLE
MG	SOUTHERN MAGNOLIA
PO	EASTERN SYCAMORE
PT	LOBLOLLY PINE
QR	RED OAK

EXAMPLE: 10QR = 10" RED OAK

NOTES:

1. SEE SHEET C0.10 FOR GENERAL AND EXISTING CONDITIONS NOTES.

PHONE: 919.677.2000
FAX: 919.677.2050

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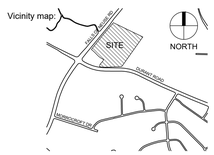
STEWART
223 S. WEST ST., #1100
RALEIGH, NC 27603
T 919.380.8750
FIRM LICENSE #: C-1051
www.stewartinc.com

SEALS

PRELIMINARY DRAWINGS
DO NOT USE FOR CONSTRUCTION

[redacted]

Vicinity map:



WakeMed North Deck Expansion

Raleigh, NC

0 15 30 60
NORTH

SCALE: 1" = 30'

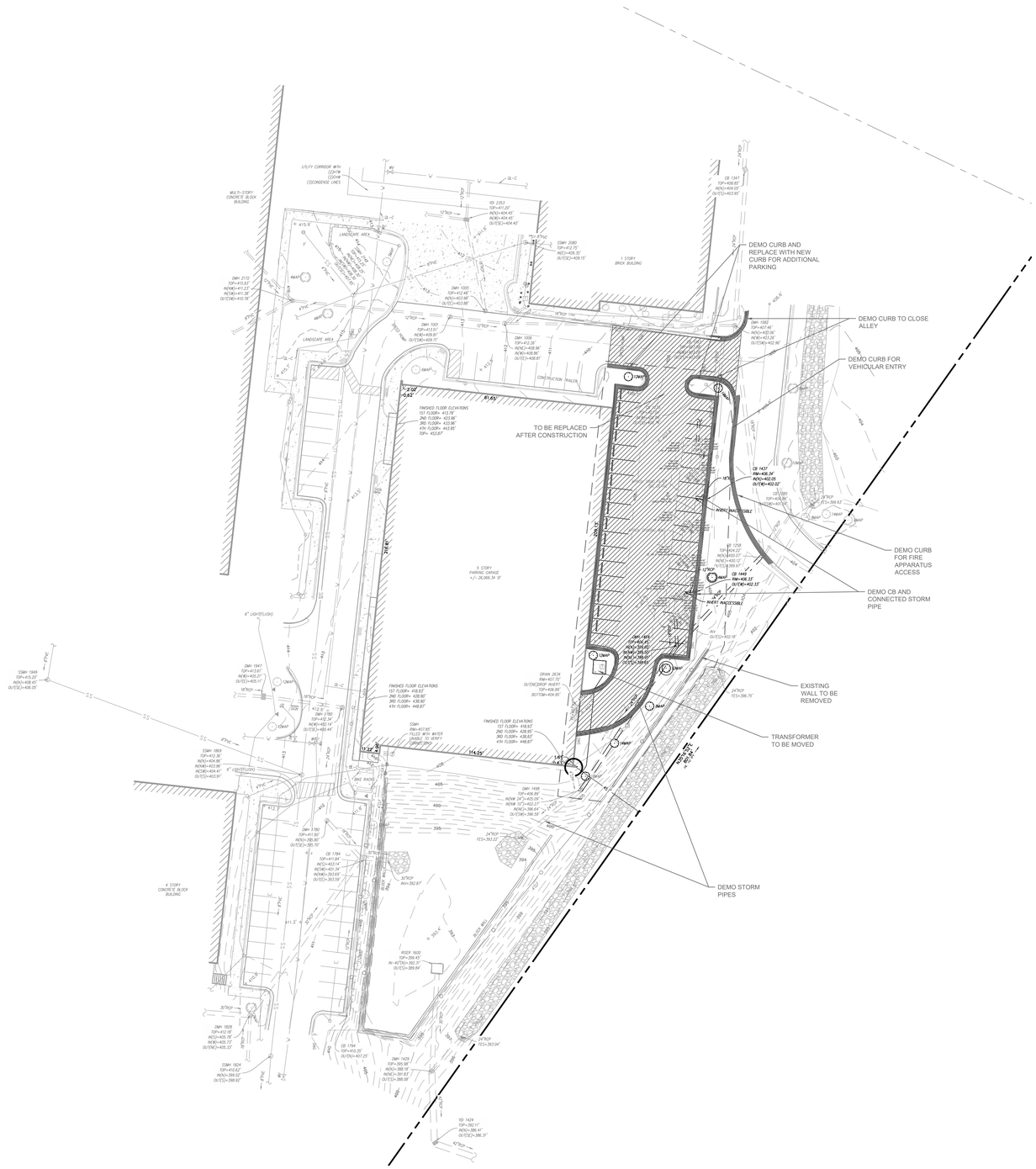
NO:	DATE	DRAWING ISSUE DESCRIPTION

DESIGNED BY:
DRAWN BY: DMM
CHECKED BY: MP
SCALE: SCALE 1" =30'
DATE: 09.20.2023
PROJECT NO: C22050

EXISTING CONDITIONS PLAN

SITE REVIEW SUBMITTAL

C101



LINETYPE LEGEND:

SYMBOL	DESCRIPTION
	LIMITS OF DISTURBANCE
	PROPERTY LINE
	EASEMENT
	SETBACK
BZ	RIPARIAN BUFFER (50')
TP	TREE PROTECTION FENCE
	ACCESSIBLE ROUTE

DEMOLITION LEGEND:

SYMBOL	DESCRIPTION
	REMOVE BUILDING
	REMOVE ASPHALT
	REMOVE GRAVEL
	REMOVE BRICK
	REMOVE CONCRETE
	REMOVE RIPRAP
	REMOVE VEGETATION
	REMOVE TREE
	REMOVE SIGN
	COORDINATE LIGHT POLE REMOVAL
	REMOVE CURB & GUTTER
W	REMOVE WATER LINE
SS	REMOVE SANITARY SEWER LINE
	REMOVE STORM DRAINAGE
X	REMOVE FENCE

NOTES:

1. SEE SHEET L0.10 FOR GENERAL AND DEMOLITION NOTES.

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FAX: 919.677.2050

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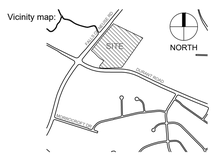
www.stewartinc.com

SEALS

PRELIMINARY DRAWINGS
DO NOT USE FOR CONSTRUCTION

Vicinity map:



WakeMed North Deck Expansion

Raleigh, NC

0 15 30 60
SCALE: 1" = 30'
NORTH

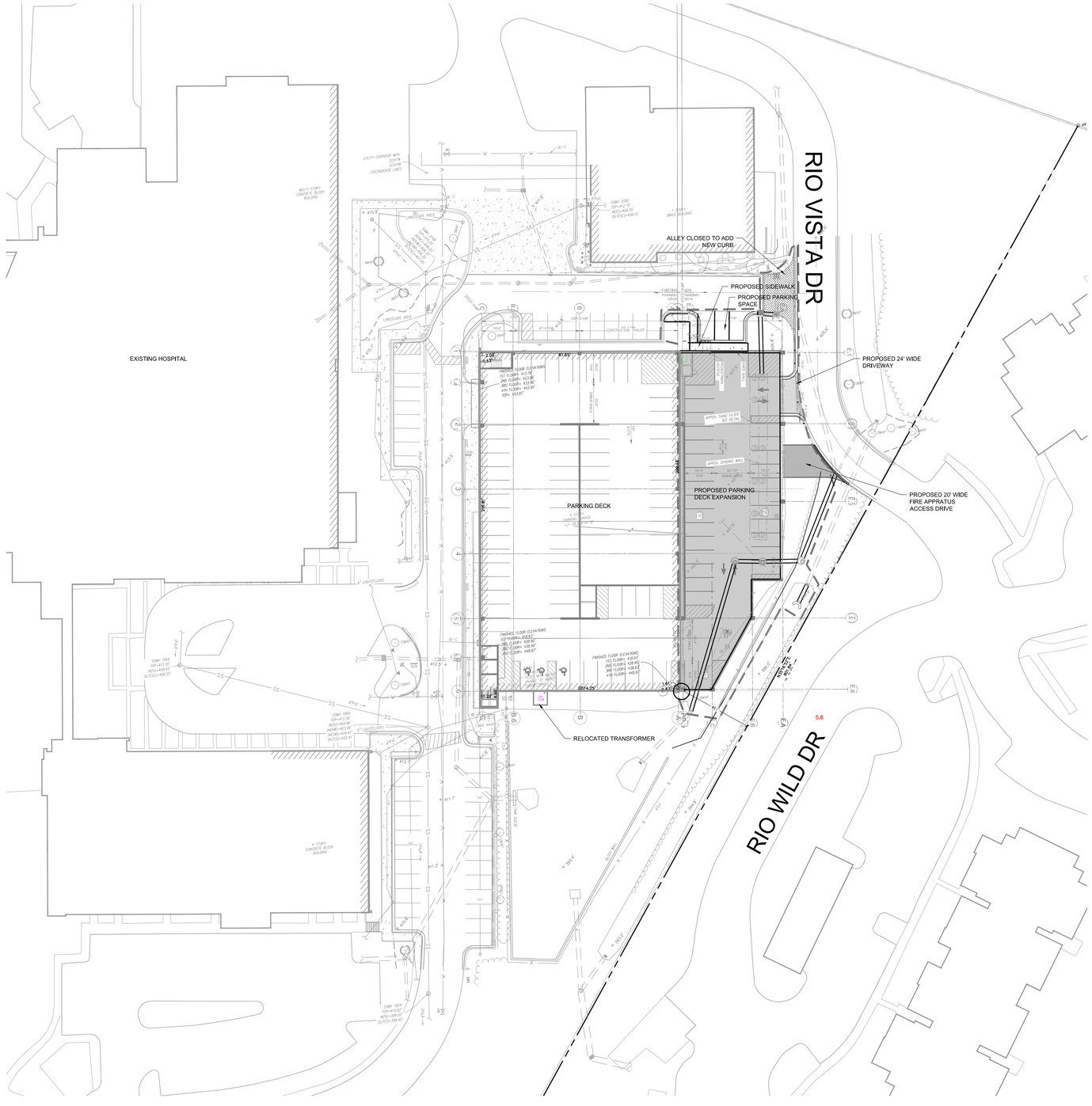
NO:	DATE	DRAWING ISSUE DESCRIPTION

DESIGNED BY:
DRAWN BY: DMM
CHECKED BY: MP
SCALE: SCALE 1"=30'
DATE: 09.20.2023
PROJECT NO: C22050

DEMOLITION PLAN

SITE REVIEW SUBMITTAL

C201



LINETYPE LEGEND:	
SYMBOL	DESCRIPTION
	LIMITS OF DISTURBANCE
	PROPERTY LINE

SITE LEGEND:	
SYMBOL	DESCRIPTION
	PROPOSED BUILDING
	PROPOSED CONCRETE SIDEWALK
	PROPOSED HEAVY DUTY PAVEMENT
	PROPOSED CIP WALL
	RELOCATED STORM DRAINAGE

Kimley»Horn

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421 FAYETTEVILLE STREET
SUITE 600
RALEIGH, NC 27601

PHONE: 919.677.2000
FAX: 919.677.2050

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RALEIGH, NC 27603
T 919.380.8750
FIRM LICENSE #: C-1051
www.stewartinc.com

SEALS

PRELIMINARY DRAWINGS
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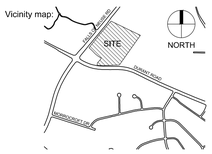
[redacted]

Vicinity map:



WakeMed North Deck Expansion

Raleigh, NC

0 15 30 60
SCALE: 1" = 30'
NORTH

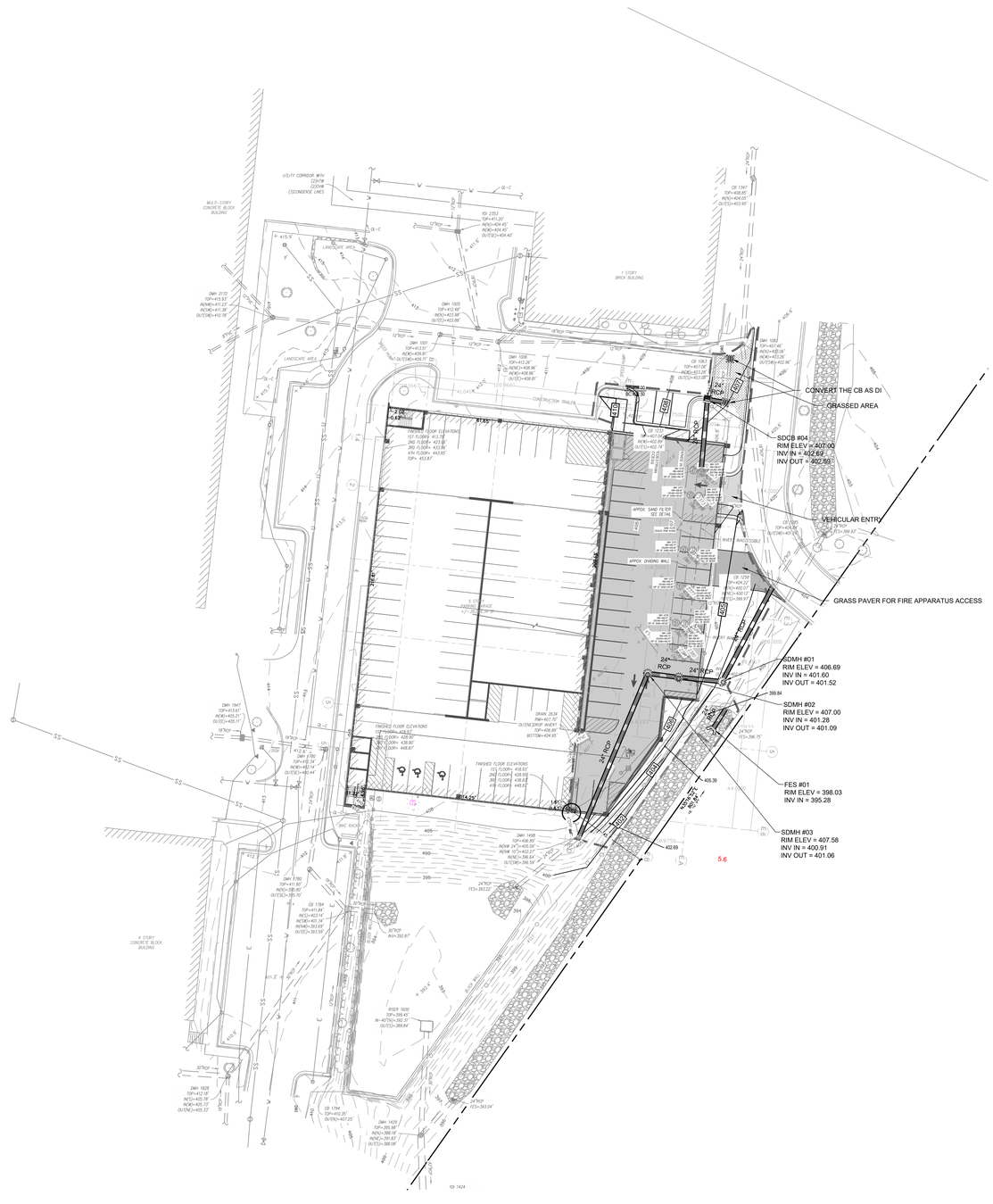
NO:	DATE	DRAWING ISSUE DESCRIPTION

DESIGNED BY:
DRAWN BY: DMM
CHECKED BY: MP
SCALE: 1" = 30'
DATE: 09.20.2023
PROJECT NO: C22050

SITE PLAN

SITE REVIEW SUBMITTAL

C301



EASEMENT
SETBACK
BZ — RIPARIAN BUFFER (50')
TP — TREE PROTECTION FENCE
ACCESSIBLE ROUTE

GRADING LEGEND:

SYMBOL	DESCRIPTION
	PROPOSED JUNCTION BOX
	PROPOSED CATCH BASIN
	PROPOSED AREA DRAIN
	RIPRAP DISSIPATOR
	FLOW DIRECTION
44.50	PROPOSED ELEVATION
TC 44.50 / BC 44.00	TOP/BOTTOM OF CURB
TW 46.00 / BW 44.00	TOP/BOTTOM OF WALL
	PROPOSED STORM DRAINAGE
200	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
200	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR

NOTES:

1. SEE SHEET C0.10 FOR GENERAL AND GRADING NOTES.

RALEIGH, NC 27601

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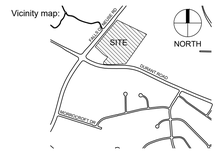
SEALS

PRELIMINARY DRAWINGS
DO NOT USE FOR CONSTRUCTION

[redacted]

Vicinity map:



WakeMed North Deck Expansion

Raleigh, NC

0 15 30 60 NORTH

SCALE: 1" = 30'

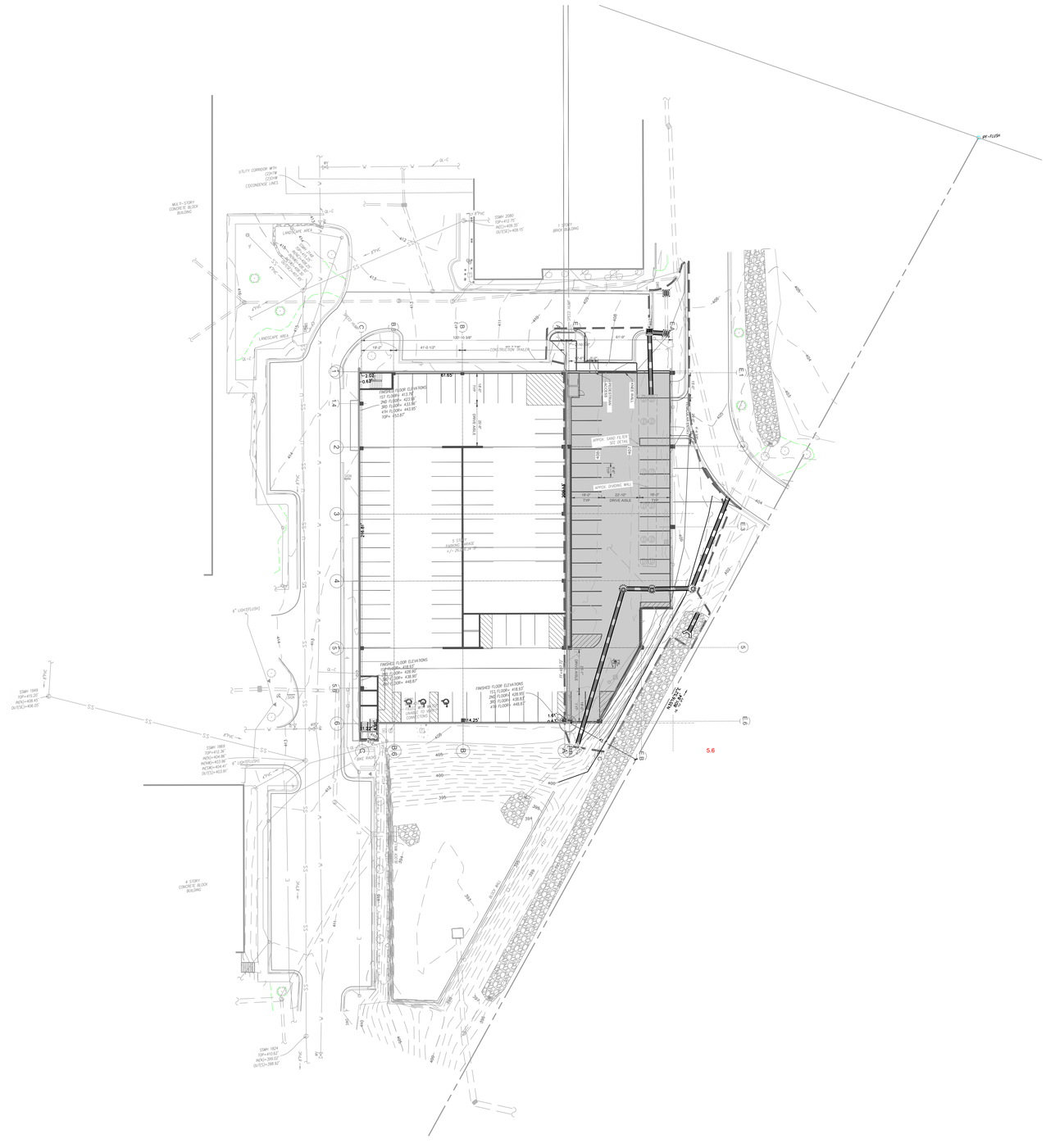
NO:	DATE	DRAWING ISSUE DESCRIPTION

DESIGNED BY:
DRAWN BY: DMM
CHECKED BY: MP
SCALE: 1" = 30'
DATE: 09.20.2023
PROJECT NO: C22050

GRADING & STORM DRAINAGE PLAN

SITE REVIEW SUBMITTAL

C501



BZ	RIPARIAN BUFFER (50')	
TP	TREE PROTECTION FENCE	
	ACCESSIBLE ROUTE	

UTILITY LEGEND:

SYMBOL	DESCRIPTION
	PROPOSED FIRE HYDRANT
	PROPOSED WATER VALVE
S	EXISTING SANITARY SEWER MANHOLE
S	PROPOSED SANITARY SEWER MANHOLE
CO	PROPOSED CLEANOUT
FDC	PROPOSED FIRE DEPARTMENT CONNECTION (FDC)
	PROPOSED BACKFLOW METER
PIV	PROPOSED POST INDICATOR VALVE (PIV)
	PROPOSED GREASE INTERCEPTOR
W	EXISTING WATER LINE
W	PROPOSED WATER LINE
SS	EXISTING SANITARY SEWER LINE
SS	PROPOSED SANITARY SEWER LINE

NOTES:

RALEIGH, NC 27601

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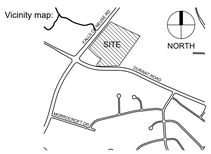
SEALS

PRELIMINARY DRAWINGS

DO NOT USE FOR CONSTRUCTION

[redacted]

Vicinity map:



WakeMed North Deck Expansion

Raleigh, NC

NO:	DATE	DRAWING ISSUE DESCRIPTION

DESIGNED BY:
DRAWN BY: DMM
CHECKED BY: MP
SCALE: 1" = 30'
DATE: 09.20.2023
PROJECT NO: C22050

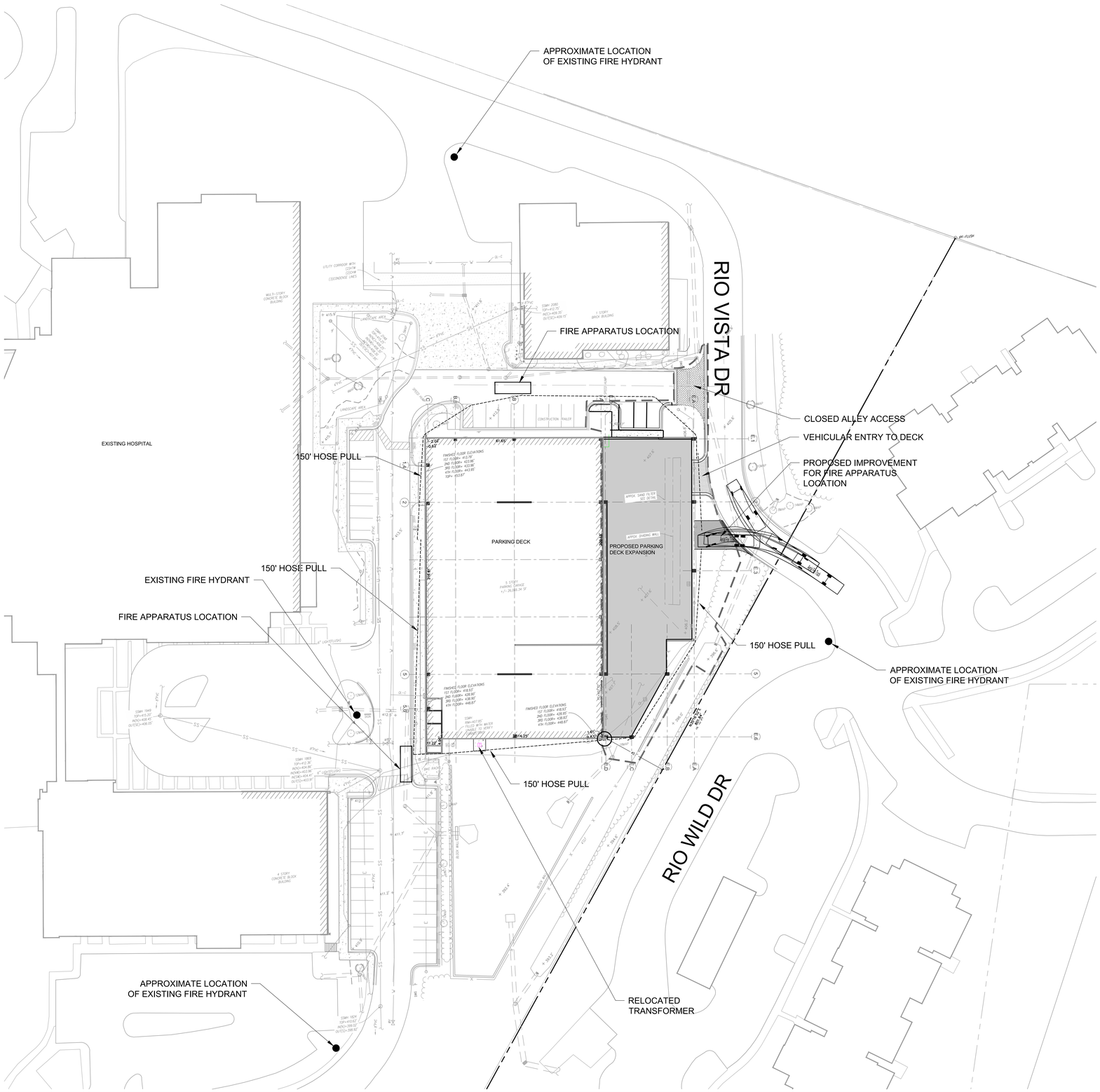
UTILITY PLAN

SITE REVIEW SUBMITTAL

C601

LINETYPE LEGEND:	
SYMBOL	DESCRIPTION
	LIMITS OF DISTURBANCE
	PROPERTY LINE
	150' FIRE HOSE PULL

SITE LEGEND:	
SYMBOL	DESCRIPTION
	PROPOSED BUILDING
	PROPOSED CONCRETE SIDEWALK
	PROPOSED HEAVY DUTY PAVEMENT
	RELOCATED STORM DRAINAGE



Kimley»Horn

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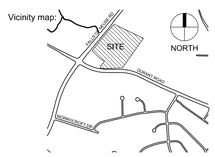
SEALS

PRELIMINARY DRAWINGS
DO NOT USE FOR CONSTRUCTION

Vicinity map:



WakeMed North Deck Expansion

Raleigh, NC

0 15 30 60
SCALE: 1" = 30'
NORTH

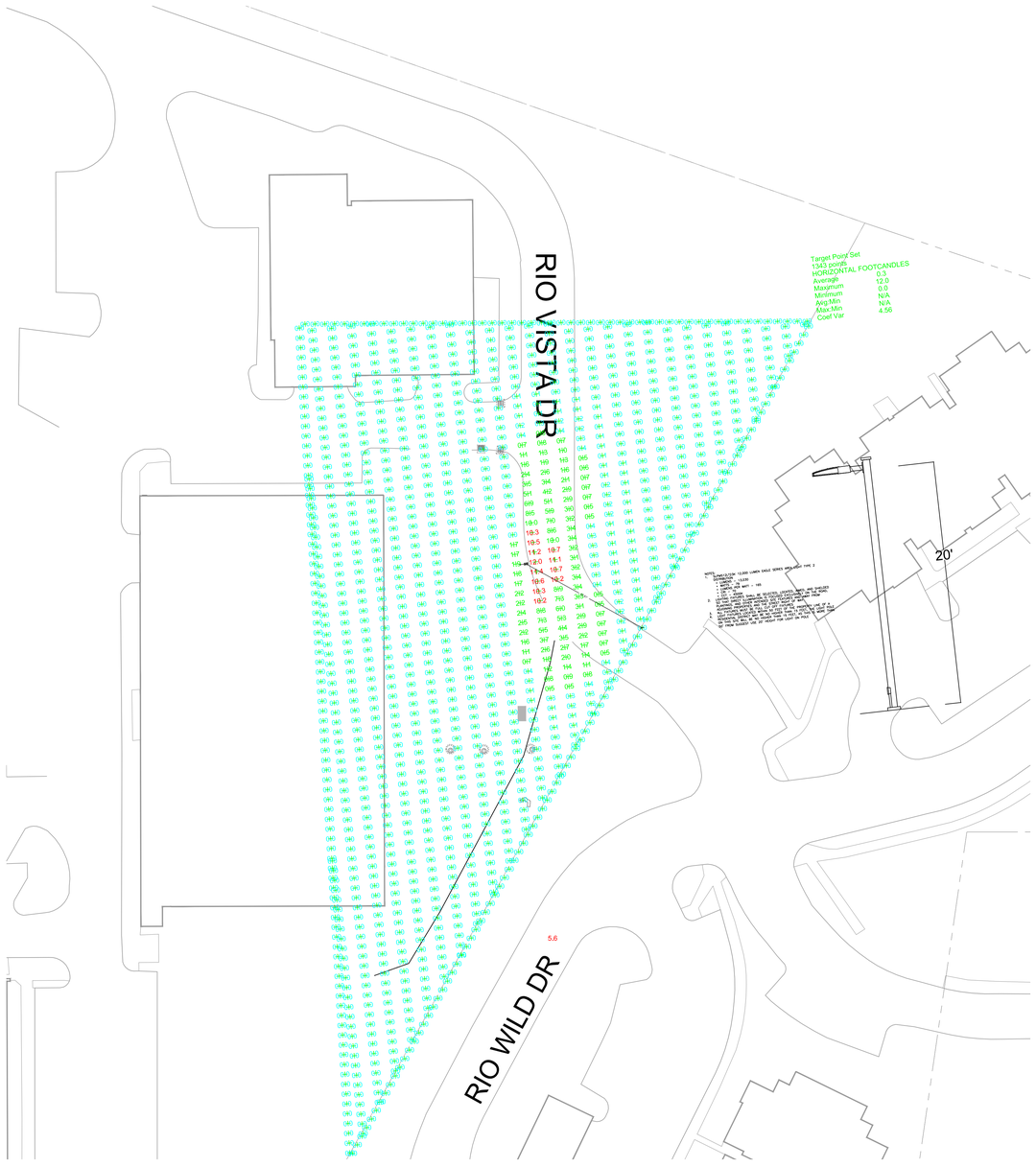
NO:	DATE	DRAWING ISSUE DESCRIPTION

DESIGNED BY:
DRAWN BY: DMM
CHECKED BY: MLP
SCALE: 1" = 30'
DATE: 09.20.2023
PROJECT NO: C22050

UTILITY RELOCATION AND FIRE HOSE PULL EXHIBITS

SITE REVIEW SUBMITTAL

C602



LINETYPE LEGEND:	
SYMBOL	DESCRIPTION
	LIMITS OF DISTURBANCE
	PROPERTY LINE

SITE LEGEND:	
SYMBOL	DESCRIPTION
	PROPOSED BUILDING
	PROPOSED CONCRETE SIDEWALK
	PROPOSED HEAVY DUTY PAVEMENT
	PROPOSED CIP WALL
	RELOCATED STORM DRAINAGE

Atlas Lighting Products | Energy LED

500-SPTABZ
Square Pole Tenon Adapter - Up to 4 @ 90°

Project Information	
Job Name	
Type	Square Pole Tenon Adapter - Up to 4 @ 90°
Catalog Number	500-SPTABZ
Approved by	

SPECIFICATIONS:

Construction:
Die Cast Aluminum
Removable Top Bracket Cover Included
(3) Sides have Removable Hole Plugs installed

Mounting:
Mounting Cleat(s) Included w/ SLP Fixture(s)
Bracket is Pre-drilled for Mounting up to (4) Fixtures

Weight:
4.19 lbs. / 1.9 kg.

Overall Height:
10.25" (26.035 cm)

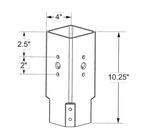
Overall Width:
4" (10.16 cm)

Overall Depth:
4" (10.16 cm)

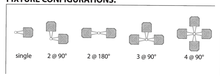
ORDERING INFORMATION:

CATALOG #	DESCRIPTION	FINISH
500-SPTABZ	For Square Poles w/ Tenon	Bronze

DIMENSIONS:



FIXTURE CONFIGURATIONS:



ATLAS LIGHTING PRODUCTS, INC.
PO BOX 2348 | BURLINGTON, NC 27216
800-849-8485 | FAX: 336-227-0110 | www.atlasled.com

Made in the USA of US and Imported parts. Meets Buy American requirements within the ARRA.

Atlas Lighting Products

Eagle Series
2nd Generation LED Area Light

PROJECT INFORMATION	
JOB NAME	
FIXTURE TYPE	Eagle Series
CATALOG NUMBER	SLPM
APPROVED BY	

BUY AMERICAN COMPLIANT

SPECIFICATIONS

Construction:
Designed for commercial and industrial applications, providing cooler operating temperatures, brighter light and longer LED life. The die cast aluminum housing utilizes external airflow fins allow for greater heat dissipation. The easy access driver compartment is a thermally independent compartment, separate from LED generated heat, for cooler operation and longer driver life.

Optics:
Atlas Eagle Series fixtures utilize precision engineered individual lenses for maximum light intensity. The lens is made of optical grade polycarbonate. Advanced one piece optic board engineered for maximum light intensity. Types I, II, V and Forward Throw distributions are available. Types II, III and Forward Throw optics are rotatable allowing for optimal placement of the fixtures on the perimeter of any layout.

Mounting:
The easy mount bracket makes installation to any style pole quick and easy. Tenon and other mounting accessories also available. For round poles 500-SLPMRPA is required.

Thermal Management:
Atlas Eagle Series fixtures are designed as a complete system to optimize LED life and light output. The thermal stacking heat removal technology extracts heat from within the housing moving it away from LEDs and components. The lower temperatures result in long LED life (200,000+ hrs†) and component life and also allows for higher light output.

Listings:
Luminaire is certified to UL/cUL Standards for Wet Locations
IDA Listed (3000K or lower CCTs only)†
DesignLights Consortium qualified luminaire, eligible for rebates from DLC member utilities. *See chart on last page for qualifying products.*

AC Input: 120/208/240/277/347/480 V

Driver:
Constant current, 120-277 VAC, 50-60 Hz
High Efficiency – min. 88%
O-State Power: 0 Watts
0-10 V Dimming

LEDs:
Available in 3000K, 4000K, 4500K and 5000K, CCT
Epoxy Guard™ protective conformal coated boards

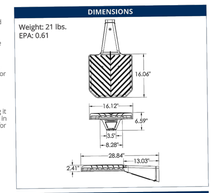
Reduced Glare:
Positioning of the LED modules within the housing result in light directed to desired locations and reduces oensive light.

Testing:
Atlas LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 & LM-80.

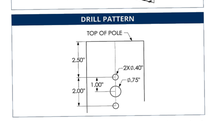
Warranty: Five-year limited warranty

DIMENSIONS

Weight: 21 lbs.
EPA: 0.61



DRILL PATTERN



For round poles **500-SLPMRPA** is required.

Rebates and Incentives are available in many areas.
Contact an Atlas Representative for more information.

LED Life Span Based Upon LM-80 Test Results

*The majority of Atlas Lighting Products are assembled in USA facilities by an American Workforce utilizing both Domestic and Foreign components. Meets Buy American requirements within the ARRA.

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PO Box 2348 | Burlington, NC 27216
800-849-8485 | fax: 1-855-847-2794 | www.atlasled.com

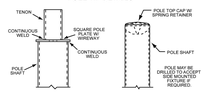
Atlas Lighting Products

CATALOG NUMBER:	
JOB NAME:	
CUSTOMER NAME:	
NOTES:	TYPE:
	DATE:

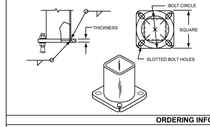
FEATURES AND SPECIFICATIONS

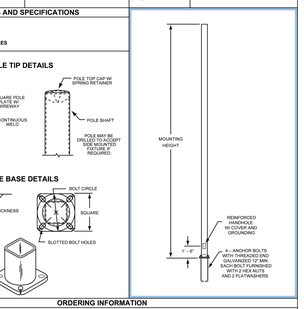
AREA LIGHTING
POLES
SQUARE STRAIGHT STEEL POLES

POLE TIP DETAILS



POLE BASE DETAILS





ORDERING INFORMATION

Nominal Mounting Height (ft)	Catalog Number	Shaft			Pole Base			Maximum Loading			
		Base O.D. (in)	Wall Thk. (ga)	Gross Weight (lbs)	Bolt Circle Range*	Plate Width (in)	Plate Thk. (in)	90MPH EPA (ft²)	100MPH EPA (ft²)	110MPH EPA (ft²)	120MPH EPA (ft²)
12	SSS124118Z	4.00	11	90	8 to 11	8.0	0.75	23.0	18.2	14.6	11.7
14	SSS144118Z	4.00	11	105	8 to 11	8.0	0.75	18.7	14.5	11.5	9.1
16	SSS164118Z	4.00	11	120	8 to 11	8.0	0.75	15.1	11.5	8.9	6.9
18	SSS184118Z	4.00	11	135	8 to 11	8.0	0.75	12.2	9.1	6.8	5.1
20	SSS204118Z	4.00	11	150	8 to 11	8.0	0.75	9.5	6.9	4.9	3.4
20	SSS20507BZ	5.00	7	250	9 to 11	11.0	1.00	30.5	23.7	18.6	14.7
20	SSS20511BZ	5.00	11	180	9 to 11	11.0	0.75	20.0	14.9	11.5	8.8

*-Consult Factory for Specific Bolt Circle Measurements.

Continued ⟶

Actual performance can vary depending on operating conditions. Specifications are subject to change without notice.

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L

Atlas Lighting Products

AREA LIGHTING
POLES
SQUARE STRAIGHT STEEL POLES

ORDERING INFORMATION CONTINUED

Nominal Mounting Height (ft)	Catalog Number	Shaft			Pole Base			Maximum Loading			
		Base O.D. (in)	Wall Thk. (ga)	Gross Weight (lbs)	Bolt Circle Range*	Plate Width (in)	Plate Thk. (in)	90MPH EPA (ft²)	100MPH EPA (ft²)	110MPH EPA (ft²)	120MPH EPA (ft²)
25	SSS254118Z	4.00	11	188	8 to 11	8.0	0.75	9.3	6.4	4.3	2.6
25	SSS254007BZ	4.00	7	250	8 to 11	8.0	0.75	11.2	8.0	5.5	3.7
25	SSS255118Z	5.00	11	225	9 to 11	11.0	0.75	16.0	11.4	8.0	5.6
25	SSS255007BZ	5.00	7	313	9 to 11	11.0	1.00	34.0	26.2	20.0	15.9
30	SSS304007BZ	4.00	7	300	8 to 11	8.25	0.75	6.5	3.7	1.8	0.3
30	SSS305007BZ	5.00	7	375	9 to 11	11.0	1.00	24.1	17.5	13.0	9.4
30	SSS306007BZ	6.00	7	462	12	12.5	1.00	34.3	25.8	19.4	14.6
35	SSS356007BZ	6.00	7	539	12	12.5	1.00	24.8	17.7	12.2	8.4

*-Consult Factory for Specific Bolt Circle Measurements.

ORDERING INFORMATION

S S S 20 – 4 – 11 – T ☐ – BZ 3

- SHAPE: S = Square, R = Round
- STRUCTURE: S = Steel, A = Aluminum, C = Concrete, F - Fiberglass
- SHAFT: S = Straight, T = Tapered
- HEIGHT (FT)*: 18 = 18 ft, 20 = 20 ft, 25 = 25 ft, 30 = 30 ft. *Other sizes available
- DIAMETER/ WIDTH (IN)*: 4 = 4 in, 5 = 5 in, 6 = 6 in. *Other sizes available
- GAUGE (IN): 11 = 11 in, 07 = 07 in
- TENON DETAIL: T = Welded, Blank = None
- BASE DETAIL: E = Embedded, Blank = Anchor
- COLOR*: BZ = Bronze, W = White, S = Annodized Silver, B = Black
- DRILL PATTERN: 1 = 1, 2 = 2 @ 90°, 3 = 2 @ 180°, 4 = 3 @ 90°, 5 = 4 @ 90°, 6 = Drop Mount

Actual performance can vary depending on operating conditions. Specifications are subject to change without notice.

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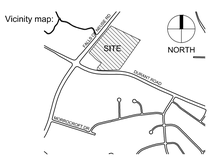
SEALS

PRELIMINARY DRAWINGS
DO NOT USE FOR CONSTRUCTION

Vicinity map:



WakeMed North Deck Expansion

Raleigh, NC

0 15 30 60
SCALE: 1" = 30'
NORTH

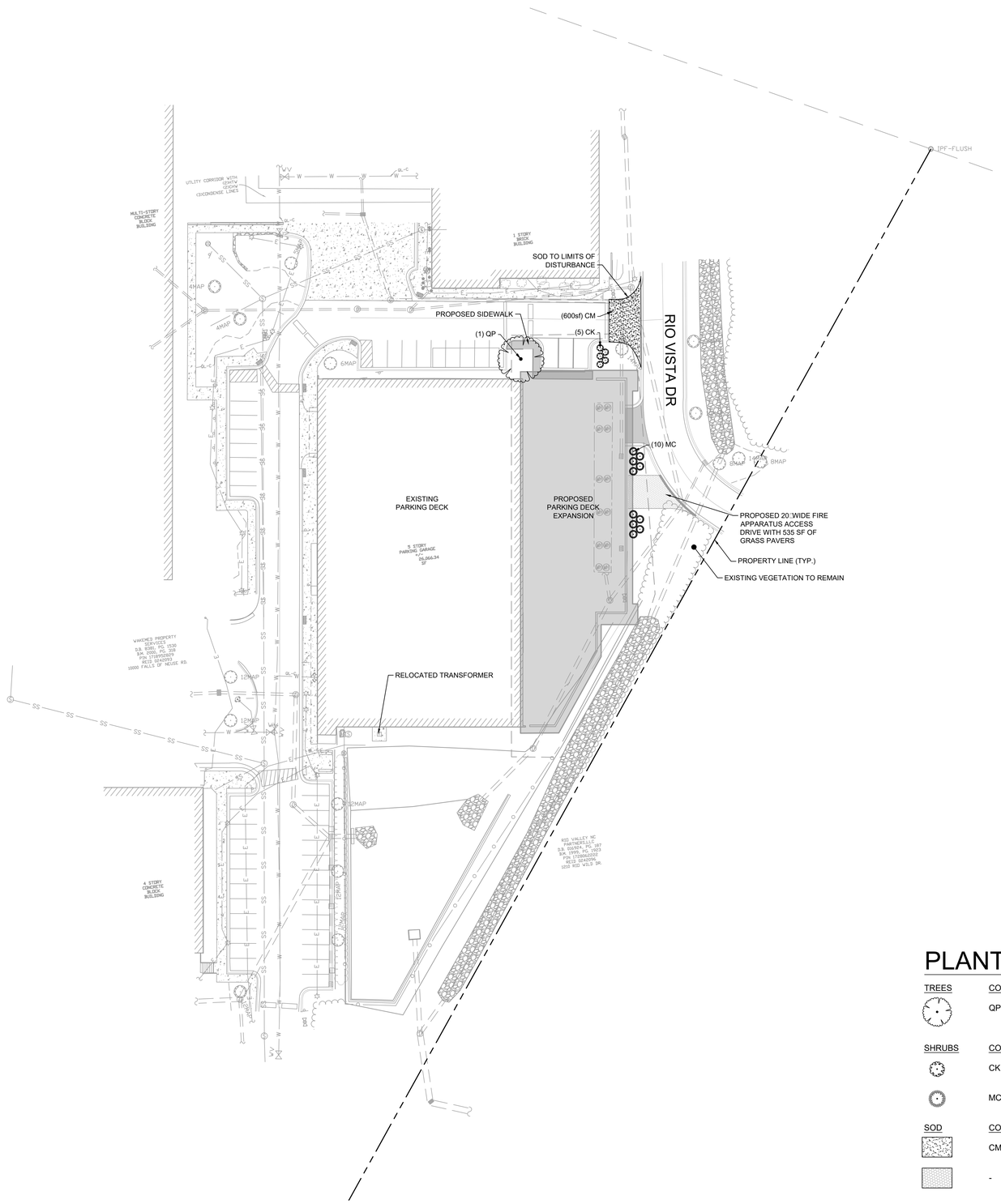
NO:	DATE	DRAWING ISSUE DESCRIPTION

DESIGNED BY:
DRAWN BY: DMM
CHECKED BY: MP
SCALE: 1" = 30'
DATE: 09.20.2023
PROJECT NO: C22050

LIGHTING PLAN

SITE REVIEW SUBMITTAL

C701



NOTES:
1. PLANTINGS LOCATED WITHIN SIGHT DISTANCE TRIANGLES SHALL BE PRUNED TO MAINTAIN VISIBILITY BETWEEN 2-FEET AND 8-FEET ABOVE FINISHED GRADE.
2. UTILITIES ON THIS SHEET ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL CONFIRM UTILITY LOCATIONS PRIOR TO CONSTRUCTION.
3. THIS SHEET IS INTENDED FOR LANDSCAPE STAKING PURPOSES ONLY. FOR SITE IMPROVEMENTS, SEE CIVIL SHEETS.
4. ALL SHRUB PLANTING BEDS AND TREE RINGS SHALL BE COVERED WITH AT LEAST 3 INCHES OF BROWN HARDWOOD MULCH.
5. SEE SHEET L201 FOR LANDSCAPE NOTES AND DETAILS.

PLANT SCHEDULE

TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT.	CAL	HEIGHT
	QP	1	QUERCUS PHELLOS 'HIGHTOWER'	HIGHTOWER WILLOW OAK	B&B	3" CAL	10'-12' HT.

SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT.	HEIGHT
	CK	5	CAMELLIA SASANQUA 'KANJIRO'	KANJIRO CAMELLIA	5 GAL	24" HT.
	MC	10	MYRICA CERIFERA 'DON'S DWARF'	DWARF WAX MYRTLE	3 GAL	24" HT.

SOD	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT.
	CM	600 SF	CYNODON DACTYLON 'MIDWAY'	MIDWAY BERMUDA GRASS	SOD
	-	535 SF	GRASS PAVERS	GRASS PAVERS	-

GRAPHIC SCALE IN FEET
0 15 30 60

NORTH

Kimley»Horn
NC LICENSE #F-0102 2023
421 FAYETTEVILLE STREET
SUITE 600
RALEIGH, NC 27601
PHONE: 919.677.2000
FAX: 919.677.2050

This document is an instrument of service prepared solely for Kimley-Horn's client and for a particular purpose. Any other use or reliance is without liability to Kimley-Horn.

SEALS

NO.	DATE	DRAWING ISSUE DESCRIPTION

DESIGNED BY: AWF
DRAWN BY: AWF
CHECKED BY: RLB
SCALE: 1" = 30'
DATE: 09/05/2023
PROJECT NO: 011076024

WAKEMED NORTH DECK EXPANSION

Raleigh, NC

LANDSCAPE PLAN

SITE REVIEW SUBMITTAL

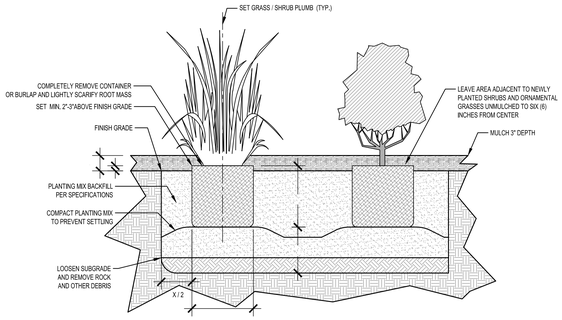
L101

Autodesk Docs://011076024 WakeMed North Deck Expansion/WakeMed North Deck Expansion - Struct_v2022.rvt
9/22/2023 1:05:19 PM

GENERAL LANDSCAPE NOTES:

1. 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: DOUBLE SHREDDED HARDWOOD HARDWOOD DESIGNER MULCH IN DARK BROWN OR OWNER PREFERENCE.
3. 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. ALL SHRUBS SHALL CONFORM TO THE STANDARDS SET FORTH IN THE MOST RECENT 'AMERICAN STANDARDS FOR NURSERY STOCK' PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN (A.A.N.)
5. SOIL ANALYSIS SHALL BE OBTAINED PRIOR TO PLANTING. SOIL SHALL BE AMENDED AS RECOMMENDED.
6. SEE PLAN FOR SPACING



1 SHRUB PLANTING DETAIL

SCALE: NTS — SECTION

GENERAL LANDSCAPE NOTES:

1. THE CONTRACT INCLUDES ALL DEMOLITION REQUIRED TO COMPLETE JOB, AND TO REMOVE AND TO DISPOSE OF ITEMS FROM SITE COMPLETELY IN ACCORDANCE WITH LOCAL LAWS. DO NOT BURN OR BURY ANY DEMOLITION ITEMS ON SITE. CONTRACTOR IS RESPONSIBLE FOR MAKING SITE VISIT TO DETERMINE AND VERIFY ALL DEMOLITION REQUIREMENTS PRIOR TO BIDDING. CONTRACTOR SHALL RECYCLE OR DISPOSE OF WASTE PRODUCTS AND PLANT CONTAINERS OFF-SITE IN A RESPONSIBLE MANNER.

2. PERMITS AND FEES REQUIRED FOR WORK MUST BE OBTAINED BY THE CONTRACTOR AT CONTRACTOR'S EXPENSE.

3. THE CONTRACTOR SHALL TAKE PROPER PRECAUTIONS NOT TO DAMAGE EXISTING ADJACENT PLANTS, FACILITIES □ STRUCTURES THAT ARE TO REMAIN. THE CONTRACTOR SHALL RESTORE DISTURBED AREAS TO THEIR ORIGINAL CONDITION TO THE SATISFACTION OF THE OWNER. ADJACENT STREETS □ SIDEWALKS SHALL BE MAINTAINED IN A CLEAN CONDITION, MUD □ DUST-FREE.

4. EXISTING UTILITIES SHOWN ON LANDSCAPE DRAWINGS ARE FOR CONTRACTOR'S CONVENIENCE ONLY. THE CONTRACTOR MUST LOCATE □ VERIFY ALL SUCH INFORMATION, INCLUDING INFORMATION NOT SHOWN ON PLANS, BY CONTACTING THE INDIVIDUAL UTILITY COMPANY □ INVESTIGATING THE SITE TO DETERMINE THE EXACT LOCATION OF UTILITY LINES □ STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING, AT HIS OWN EXPENSE, AND TO THE SATISFACTION OF THE PROJECT OWNER □ THE UTILITY OWNER, DAMAGE TO ANY UTILITY CAUSED BY HIS WORK. HE SHALL IMMEDIATELY NOTIFY THE OWNER □ THE UTILITY OWNER OF ANY DAMAGE TO ANY UTILITY BY HIS OPERATION.

5. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE PRIOR TO START OF CONSTRUCTION. IF DISCREPANCIES ARE FOUND, NOTIFY THE OWNER IMMEDIATELY FOR CLARIFICATION.

6. UTILITY MANHOLE COVERS AND ACCESS BOX COVERS ARE TO BE LOCATED ENTIRELY WITHIN A PLANTED AREA OR A PAVED AREA, AND CLEAR OF ALL FENCE LINES. IF ANY CONDITION ARISES WHERE A UTILITY COVER IS TO CROSS A BOUNDARY OR FENCE LINE, NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY FOR CLARIFICATION.

9. ALL EXISTING SIGNAGE TO REMAIN TO BE PROTECTED IN PLACE OR STOCKPILED AND REINSTALLED UPON COMPLETION OF WORK UNLESS OTHERWISE NOTED OR SPECIFIED.

10. PLANT SPECIES ARE SELECTED FOR HARDINESS IN LOCAL CLIMATE. PERMANENT IRRIGATION IS NOT PART OF THIS CONTRACT. PLANTS ARE TO BE WATERED BY CONTRACTOR DURING ESTABLISHMENT PERIOD.

12. IF CONTRACTOR IS UNABLE TO LOCATE/PURCHASE ANY OF THE SPECIFIED PLANT MATERIAL LISTED, THE CONTRACTOR SHALL SUBMIT ANY SPECIES ALTERNATIVES TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO PURCHASE AND INSTALLATION.

PLANTING NOTES:

1. ALL PLANTS PROVIDED BY CONTRACTOR SHALL MEET OR SURPASS THE SPECIFICATIONS GIVEN IN THE PLANT TABLE AND CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z601-1973 IN REGARD TO SIZING, GROWING AND B□B SPECIFICATIONS. PLANTS SHALL BE FULL AND HEAVY, AND IN HEALTHY CONDITION AT THE TIME OF PLANTING. LANDSCAPE ARCHITECT SHALL REJECT ANY PLANT NOT MEETING THESE GUIDELINES AND REQUIRE REPLACEMENT.

2. ALL PLANTS ARE TO BE FULLY GUARANTEED (LABOR AND MATERIALS) FOR A PERIOD OF NOT LESS THAN ONE (1) YEAR FROM DATE OF INSTALLATION.

3. ALL PLANTS THAT ARE UNABLE TO BE IMMEDIATELY PLANTED SHALL BE STORED IN A PROTECTED AREA OUT OF DIRECT SUN AND WIND. PLANTS SHALL BE EVENLY AND CONSISTENTLY WATERED, AS NEEDED, TO PREVENT DRYING OF ROOTS. ROOT BALLS OF B□B STOCK SHALL BE COVERED WITH AT LEAST 3 INCHES OF HARDWOOD MULCH TO MAINTAIN MOISTURE IN ROOTS.

4. THE CONTRACTOR SHALL VERIFY ALL PLANT QUANTITIES SHOWN ON PLANS AND CLARIFY ANY DISCREPANCIES WITH OWNER PRIOR TO PURCHASING PLANTS. CONTRACTOR SHALL TAG ALL TREES (AS DESIGNATED IN THE PLANT SCHEDULE) AT THE NURSERY FOR APPROVAL BY THE OWNER PRIOR TO PURCHASING PLANTS.

5. OWNER SHALL BE NOTIFIED IN WRITING OF ANY PROPOSED PLANT SUBSTITUTIONS BY THE CONTRACTOR. NO SUBSTITUTIONS SHALL BE MADE UNDER ANY CIRCUMSTANCES WITHOUT PRIOR APPROVAL BY THE OWNER.

6. ALL PLANTS AND PLANTING BEDS SHALL BE LOCATED BY SCALED DIMENSIONS FROM BUILDINGS, CURBS, PAVEMENTS, ETC. SPECIFIC ATTENTION SHALL BE GIVEN TO ENSURE THAT PLANTS INDIVIDUALLY SHOWN ON THE PLAN ARE ACCURATELY LOCATED. LOCATION OF ALL PLANTS SHALL BE REVIEWED IN THE FIELD BY THE OWNER OR LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. THE CONTRACTOR SHALL PROVIDE 48 HOURS NOTICE FOR REVIEW.

7. A PRE-EMERGENT HERBICIDE SHALL BE APPLIED TO ALL PLANTING BEDS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND ALLOWED TO DISSIPATE BEFORE PLANTING.

8. ALL LANDSCAPE AREAS TO BE GRADED FOR POSITIVE DRAINAGE AND TO ENSURE NO STANDING WATER. SEE GRADING PLAN AND DRAINAGE PLANS FOR SPECIFIC GRADING INFORMATION AND PIPE INVERTS.

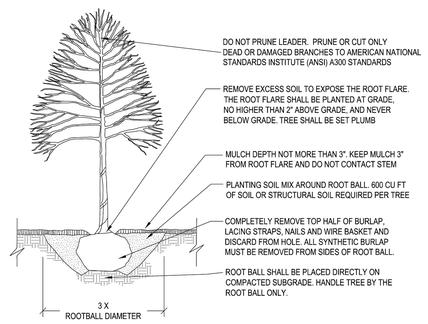
9. ESTABLISH AND MAINTAIN TOP OF GRADE BELOW ADJACENT CURBS, WALKWAYS AND OTHER HARDSCAPE AREAS TO ALLOW FOR INSTALLATION OF MULCH.

10. ALL SHRUB, GROUND COVER □ ANNUAL PLANTING BEDS SHALL BE FILLED WITH MULCH TO A MINIMUM DEPTH OF 3 INCHES. MULCH SHALL BE DARK BROWN, DESIGNER-GRADE, DOUBLE-SHREDDED HARDWOOD. CONTRACTOR TO SUBMIT A SAMPLE FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO PURCHASE AND DELIVERY TO PROJECT SITE.

12. CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING ALL PLANTING (INCLUDING, BUT NOT LIMITED TO WATERING, MULCHING, SPRAYING, FERTILIZING, ETC.) OF THE PLANTING AREAS UNTIL COMPLETION OF WORK.

13. ANY PLANT MATERIAL WHICH DIES, TURNS BROWN OR DEFOLIATES PRIOR TO COMPLETION OF WORK SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY AND SIZE TO MEET PLANT SPECIFICATIONS.

14. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES □ ORDINANCES REGARDING LANDSCAPING.



CONTACT INFORMATION:
CITY OF RALEIGH PARKS, RECREATION AND CULTURAL RESOURCES DEPARTMENT URBAN FORESTER:
TREES@RALEIGHNC.GOV
WWW.RALEIGHNC.GOV

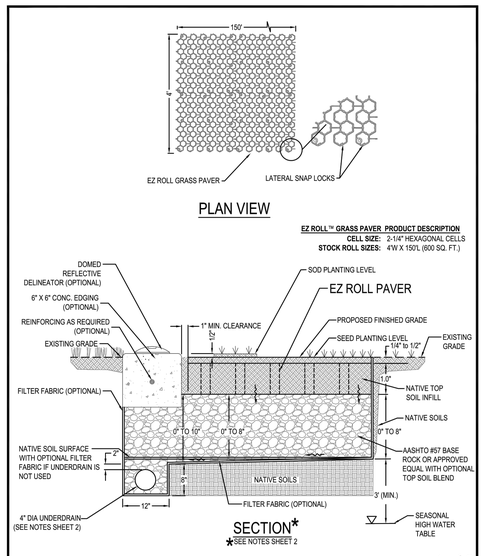
NOTES:
1. TREES MUST MEET THE TREE QUALITY STANDARDS IN CH. 2 OF THE CITY TREE MANUAL.
2. CONTRACTOR IS RESPONSIBLE FOR ADEQUATE DRAINAGE OF ALL PLANTING PITS. (POSITIVE DRAINAGE AWAY FROM PIT)
3. TREES SHALL BE PLANTED BETWEEN OCTOBER 1ST AND APRIL 30TH.
4. A TREE IMPACT PERMIT IS REQUIRED.
5. ELECTRICAL OUTLETS AND OTHER UTILITIES ARE PROHIBITED IN THE PLANTING AREA IMMEDIATELY SURROUNDING THE TREE.
6. IF STAKING IN ACCORDANCE WITH THE CITY TREE MANUAL, THE STAKING MUST BE REMOVED WITHIN ONE YEAR.
7. TREES WILL HAVE A MINIMUM 1 YEAR WARRANTY AFTER THE INITIAL PLANTING IS APPROVED BY THE CITY.

CITY OF RALEIGH
STANDARD DETAIL

REVISIONS	DATE: 8/2020	NOT TO SCALE
10/2019	TREE PLANTING DETAIL	
	TPP-03	

2 CITY OF RALEIGH TREE PLANTING DETAIL

SCALE: NTS — SECTION



1 of 2

http://www.ndspro.com Call 1-888-825-4716
NDS® We put water in its place
EZ ROLL ENGINEERED PERMEABLE PAVER GRASS SURFACE

NOTES:

ENGINEERING PROPERTIES:
1. COMPRESSIVE STRENGTH OF EZ ROLL:
   EMPTY PAVERS: ULTIMATE LOAD = 53,683 LBS / 373 PSI
   FILLED PAVERS: ULTIMATE LOAD = 400,000 LBS

TOP SOIL FILL:
3. NDS RECOMMENDS NATIVE TOP SOIL FOR BACKFILL INSIDE THE PAVERS.
4. EXTEND TOP SOIL INSIDE PAVER AN ADDITIONAL ¼ TO ½ INCH ABOVE PAVER SURFACE AND MATCH SURROUNDING GRADE. PROPOSED FINISHED GRADE SLOPE PER PROJECT GRADING PLAN. PROTECT PAVER AREA UNTIL GRASS IS SUFFICIENTLY ESTABLISHED TO HANDLE TRAFFIC. PROVIDE 1" (MIN.) CLEARANCE BETWEEN ANY CONCRETE EDGE AND PAVER.
5. GRASS PAVERS ARE TO BE USED FOR AREAS OF PEDESTRIAN USE, EROSION CONTROL, AND OCCASIONAL VEHICULAR TRAFFIC USE (E.G., OVERFLOW PARKING AND EMERGENCY/FIRE LANES).

AASHTO #57 BASE ROCK:
6. GRADATION OF AASHTO #57 COARSE BASE ROCK: 100% PASSING 1 ½" SCREEN, 95-100% PASSING 1", 25-60% PASSING ½", AND 0-10% PASSING #8 SCREEN.
   OPTIONAL: ADD PULVERIZED NATIVE TOP SOIL EQUAL TO 15% OF TOTAL VOLUME. BLEND TO OBTAIN HOMOGENEOUS MIXTURE PRIOR TO PLACEMENT.
7. THICKNESS OF AGGREGATE LAYER IS AS FOLLOWS: NO BASE REQUIRED FOR EROSION CONTROL AND PEDESTRIAN-ONLY LOADS (COMPACTION OF NATIVE SOIL RECOMMENDED FOR SLOPES UP TO 3%); 4 INCHES FOR LIGHT LOADS (GOLF CARTS); 6 INCHES FOR MEDIUM LOADS (CARS AND PICKUP TRUCKS); 8 INCHES FOR HEAVY LOADS (FIRE TRUCKS).
8. COMPACT WITH ONE TO THREE PASSES OF 5-TON STEEL WHEEL ROLLER. SINCE IT IS DIFFICULT TO MEASURE DENSITY OF COARSE AGGREGATE, APPROACH OF REQUIRING A FIXED DENSITY IS NOT APPLICABLE.

FILTER FABRIC (OPTIONAL):
9. FILTER FABRIC MAY BE USED TO PREVENT MIGRATION OF FINES FROM SURROUNDING NATIVE SOILS INTO COARSE AGGREGATE LAYER. THE FABRIC PREVENTS CLOGGING OF AGGREGATE LAYER AND EXTENDS ITS USEFUL LIFE. USE OF FILTER FABRIC IS STRONGLY RECOMMENDED AROUND EDGE DRAIN.
10. NDS RECOMMENDS NON-WOVEN NEEDLE-PUNCHED GEOTEXTILE. WOVEN GEOTEXTILES SHOULD NOT BE USED.
11. USE FILTER FABRIC WITH AOS <0.60 MM FOR NATIVE SOILS WITH 50% OR LESS PARTICLES BY WEIGHT PASSING NO.200 SIEVE. USE FILTER FABRIC WITH AOS <0.30MM FOR NATIVE SOILS WITH 50% OR GREATER PARTICLES BY WEIGHT PASSING THE NO.200 SIEVE.

UNDERDRAIN:
12. NDS RECOMMENDS UNDERDRAIN TO COLLECT PERCOLATED WATER AND CONVEY TO PROJECT STORMWATER FACILITY FOR NATIVE SOIL THAT IS NRCS HYDROLOGIC SOIL GROUP C OR D (LOW PERCOLATION RATE). UNDERDRAIN IS OPTIONAL FOR SOIL GROUP B (MODERATE INFILTRATION) AND CAN BE ELIMINATED FOR SOIL GROUP A (GOOD INFILTRATION).
13. USE MINIMUM 4-INCH DIA PERFORATED PVC OR POLYETHYLENE PIPE AT 250-FT CENTERS; MINIMUM ONE PIPE. PIPE TO BE INSTALLED AT MINIMUM 0.5% SLOPE. RECOMMENDED 2 SQ. INCHES OF OPENING / LINEAR FOOT.
14. UNDERDRAIN TO DAYLIGHT INTO PROJECT STORMWATER FACILITY (CATCH BASIN / OPEN CHANNEL / BASIN).
15. INVERT OF PIPE RECOMMENDED TO BE ABOVE PROJECT HIGH WATER LEVEL TO PREVENT BACKING-UP OF WATER INTO PAVER SYSTEM.
16. UNDERDRAIN TO BE SURROUNDED BY 4" OF AASHTO #57 COARSE AGGREGATE, WITH MIN. 2" BEDDING.

SUBGRADE NATIVE SOIL:
17. COMPACT SUBGRADE NATIVE SOILS TO 95% STANDARD PROCTOR DENSITY PER ASTM D696 FOR SOILS WITH CALIFORNIA BEARING RATIO >20%, R VALUE >30, AASHTO A-1, A-2, AND A-3 SOILS.
18. NDS RECOMMENDS THAT ENGINEER-OF-RECORD CONSIDER HIGHER LEVEL OF COMPACTION FOR CBR 5 TO 20%, R-VALUE 10 TO 30, AASHTO A-4 SOILS FOR HEAVY LOADS WHERE INFILTRATION INTO NATIVE SOILS IS NOT A REQUIREMENT.
19. NDS RECOMMENDS THAT ENGINEER-OF-RECORD CONSULT WITH PROJECT GEOTECHNICAL ENGINEER FOR POTENTIAL SOIL MODIFICATION (E.G., LIME TREATMENT) AND COMPACTION LEVEL FOR CBR <5% AND R-VALUE <10, AASHTO A-5, A-6, AND A-7 SOILS.

2 of 2

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3 GRASS PAVERS

SCALE: NTS — SECTION

Kimley»Horn
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421 FAYETTEVILLE STREET
SUITE 600
RALEIGH, NC 27601
PHONE: 919.677.2000
FAX: 919.677.2050

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SEALS

[redacted]

WAKEMED NORTH DECK EXPANSION

Raleigh, NC

NO.	DATE	DRAWING ISSUE DESCRIPTION

DESIGNED BY: AWF
DRAWN BY: AWF
CHECKED BY: RLB
SCALE: 1" = 30□
DATE: 09/05/2023
PROJECT NO: 011076024

LANDSCAPE DETAILS

SITE REVIEW SUBMITTAL

L201

9/22/2023 1:05:19 PM Autodesk Docs://011076024 WakeMed North Deck Expansion/WakeMed North Deck Expansion - Struct_v2022.rvt

BKBM2006PG00113

I, DAVID K. BRUBAKER, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION (DEED DESCRIPTION RECORDED IN BOOK 10281 PAGE 1530); THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION PROVIDED BY THE OWNERS OF SAID PROPERTY; THAT THE RATIO OF PRECISION AS CALCULATED IS 1:10,000+; THAT THIS MAP WAS PREPARED IN ACCORDANCE WITH G.S. 47-30 AS AMENDED. WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER, AND SEAL THIS 20 DAY OF SEPTEMBER, A.D. 20 05.

SEAL L-2958 DAVID K. BRUBAKER

DAVID K. BRUBAKER, P.L.S. # 2958

I, DAVID K. BRUBAKER, PROFESSIONAL LAND SURVEYOR # 2958, CERTIFY TO ONE OR MORE OF THE FOLLOWING AS INDICATED:

___1. THAT THIS PLAT IS OF A SURVEY THAT CREATES A SUBDIVISION OF LAND WITHIN THE AREA OF A COUNTY OR MUNICIPALITY THAT HAS AN ORDINANCE THAT REGULATES PARCELS OF LAND;
___2. THAT THIS PLAT IS OF A SURVEY THAT IS LOCATED IN SUCH A PORTION OF A COUNTY OR MUNICIPALITY THAT IS UNREGULATED AS TO AN ORDINANCE THAT REGULATES PARCELS OF LAND;
___3. THAT THIS PLAT IS OF A SURVEY OF AN EXISTING PARCEL OR PARCELS OF LAND;
___4. THAT THIS PLAT IS OF A SURVEY OF ANOTHER CATEGORY, SUCH AS THE RECOMBINATION OF EXISTING PARCELS, A COURT ORDERED SURVEY, OR OTHER EXCEPTION TO THE DEFINITION OF SUBDIVISION;
___5. THAT THE INFORMATION AVAILABLE TO THIS SURVEYOR IS SUCH THAT I AM UNABLE TO MAKE A DETERMINATION TO THE BEST OF MY PROFESSIONAL ABILITY AS TO THE PROVISIONS CONTAINED IN 1 THROUGH 4 ABOVE.

DAVID K. BRUBAKER, P.L.S. # 2958

GENERAL NOTES:

THIS MAP IS FOR THE PURPOSE OF DENOTING THE TREE CONSERVATION AREA AND IS NOT INTENDED TO REFLECT A COMPLETE BOUNDARY SURVEY

NO NORTH CAROLINA GRID MONUMENT WITHIN 2000 FEET OF PROPERTY

PROPERTY SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD

LINES NOT SURVEYED ARE SHOWN AS BROKEN LINES FROM INFORMATION REFERENCED ON THE FACE OF THIS PLAT

THE AREA SHOWN HEREON WAS COMPUTED USING THE COORDINATE COMPUTATION METHOD

ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES IN U.S. SURVEY FEET UNLESS OTHERWISE NOTED

BASIS OF BEARINGS: BM 2001, PG. 2318

SUBJECT PROPERTY IS NOT LOCATED WITHIN A FLOOD HAZARD AREA ACCORDING TO FLOOD INSURANCE RATE MAP 37183C 0165 E DATED MARCH 3, 1992

LOCATION OF UTILITIES, WHETHER PUBLIC OR PRIVATE, IS BASED UPON FIELD LOCATION OF VISIBLE APPURTENANCES IN CONJUNCTION WITH INFORMATION PROVIDED BY THE OWNERS OF SAID UTILITIES AND ARE APPROXIMATE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE APPROPRIATE DEPARTMENT OF ANY CONSTRUCTION. CHAS. H. SELLS, INC. CANNOT ASSUME RESPONSIBILITY FOR MIS-IDENTIFICATION OR OMISSION OF UNDERGROUND UTILITIES. DUE TO OSHA REQUIREMENTS PERTAINING TO CONFINED SPACE ENTRY, PIPE SIZES, INVERT ELEVATIONS, ETC., WILL ONLY BE PROVIDED IF ABLE TO OBTAIN WITHOUT BREAKING THE PLANE OF THE TOP OF THE STRUCTURE

THIS PLAT IS A CORRECT REPRESENTATION OF THE LAND PLATTED AND HAS BEEN PREPARED IN CONFORMITY WITH NORTH CAROLINA STANDARDS, G.S. 47-30, AND REQUIREMENTS OF LAW, BUT A NORTH CAROLINA LICENSED ATTORNEY-AT-LAW SHOULD BE CONSULTED. ADDITIONAL RIGHTS-OF-WAY, EASEMENTS, AND LOCATION OF CASEMENTS AND OTHER ITEMS QUESTIONS REVEALED BY TITLE EXAMINATION

BASIS OF BEARINGS BM 2001, PG. 2318

GRAPHIC SCALE

100 0 50 100 200

(IN FEET)
1 inch = 100 ft.

LEGEND:

- IPF● IRON PIPE FOUND
- ○ COMPUTED POINT
- PROPERTY LINE
- PROPERTY LINE (NOT SURVEYED)
- R/W RIGHT-OF-WAY
- 11000 ADDRESS

CERTIFICATE OF OWNERSHIP

THIS CERTIFIES AND WARRANTS THAT THE UNDERSIGNED (S) (AND) THE SOLE OWNER(S) OF THE PROPERTY SHOWN ON THIS MAP OR PLAT AND ANY ACCOMPANYING SHEETS SUBJECT TO THE EXCEPTIONS ON RECORD, HAVING MADE, OWNED, OR HAVE OR FEE SIMPLE BY DEEDS(S) RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS OF WAKE COUNTY, NORTH CAROLINA, OR (AND) THE UNDERSIGNED HEREBY (AND) (HAVE) THE RIGHT TO CONVEY THE PROPERTY IN FEE SIMPLE (AND) THAT THE UNDERSIGNED WILL (AND) (HAVE) THE RIGHT TO DEFEND THE TITLE AGAINST THE LAWFUL CLAIMS OF ALL PERSONS WHOMSOEVER UNLESS EXCEPTED HEREIN. (AND) THAT THE SUBMISSION OF THIS PLAT OR MAP (I) (WE) DO DEDICATE TO THE CITY OF RALEIGH FOR PUBLIC USE ALL STREETS, EASEMENTS, RIGHTS-OF-WAY, PARKS, AND GREENWAYS (AS THESE INTERESTS ARE DEFINED BY THE CITY CODE), AND AS THE SAME MAY BE SHOWN THEREON FOR ALL LAWFUL PURPOSES TO WHICH THE CITY MAY DEVOTE OR ALLOW THE SAME TO BE USED AND UPON ACCEPTANCE THEREOF IN ACCORDANCE WITH ALL CITY POLICIES, ORDINANCES, REGULATIONS, OR CONDITIONS OF THE CITY OF RALEIGH FOR THE BENEFIT OF THE PUBLIC, SAID DEDICATION SHALL BE IRREVOCABLE PROVIDED ANY DEDICATION OF EASEMENTS FOR STORM DRAINAGE ARE NOT MADE TO THE CITY OF RALEIGH, BUT ARE IRREVOCABLY MADE TO THE SUBSEQUENT OWNERS OF ANY AND ALL PROPERTIES SHOWN HEREON FOR THEIR USE AND BENEFIT SUBJECT TO CONDITIONS OF SUBSECTIONS (B), (C), AND (D), AND (F) OF SECTION 1 AND SECTION 4 OF THE CITY STORM DRAINAGE POLICY (RESOLUTION 1970-742 AS THE SAME MAY BE FROM TIME TO TIME AMENDED).

BOOK NO.: _____

PAGE NO.: _____

SIGNATURE(S) OF PROPERTY OWNER(S)

Vice President, Facilities & Construction

NORTH CAROLINA, Wake COUNTY

I, A NOTARY PUBLIC OF THE COUNTY AND STATE AFORESAID, CERTIFY THAT THE ABOVE NAMED PERSONALLY APPEARED BEFORE ME THIS DAY AND ACKNOWLEDGED THE EXECUTION OF THE FOREGOING INSTRUMENT. WITNESS MY HAND AND OFFICIAL STAMP OR SEAL THIS 8 DAY OF September, 2006

NOTARY PUBLIC

MY COMMISSION EXPIRES 9/5/06

DEBRA C. KENNEDY NOTARY PUBLIC WAKE COUNTY, N.C.

30 DAY RECORDING CERTIFICATE

THIS PLAT NOT TO BE RECORDED AFTER THIS 27 DAY OF Sept 06

1 COPY TO BE RETAINED FOR THE CITY.

THIS PLAT IS (X) (OUT OF) THE CITY LIMITS.

FILED FOR REGISTRATION

DATE

LAURA M. RIDDICK, REGISTER OF DEEDS
WAKE COUNTY

BY: _____
ASST. / DEPUTY

TIME: _____

CERTIFICATE OF APPROVAL

I, THE UNDERSIGNED PLANNING DIRECTOR OF THE CITY OF RALEIGH, AND REVIEW OFFICER FOR WAKE COUNTY, DO HEREBY CERTIFY THAT THIS MAP OR PLAT MEETS ALL THE STATUTORY REQUIREMENTS FOR RECORDING. AND THIS THE 27 DAY OF RALEIGH, AS ATTEST WITNESS MY HAND AND SEAL OF OFFICE THIS 27 DAY OF SEPTEMBER, A.D. 2006 YEAR OF 2006 I APPROVED THIS PLAT OR MAP AND ACCOMPANYING SHEETS AND ACCEPTED FOR THE CITY OF RALEIGH THE DEDICATIONS AS SHOWN THEREON, BUT ON THE FURTHER CONDITION THAT THE CITY ASSUMES NO RESPONSIBILITY TO OPEN OR MAINTAIN THE SAME UNTIL IN THE DISCRETION AND OPINION OF THE GOVERNING BODY OF THE CITY OF RALEIGH IT IS IN THE PUBLIC INTEREST TO DO SO.

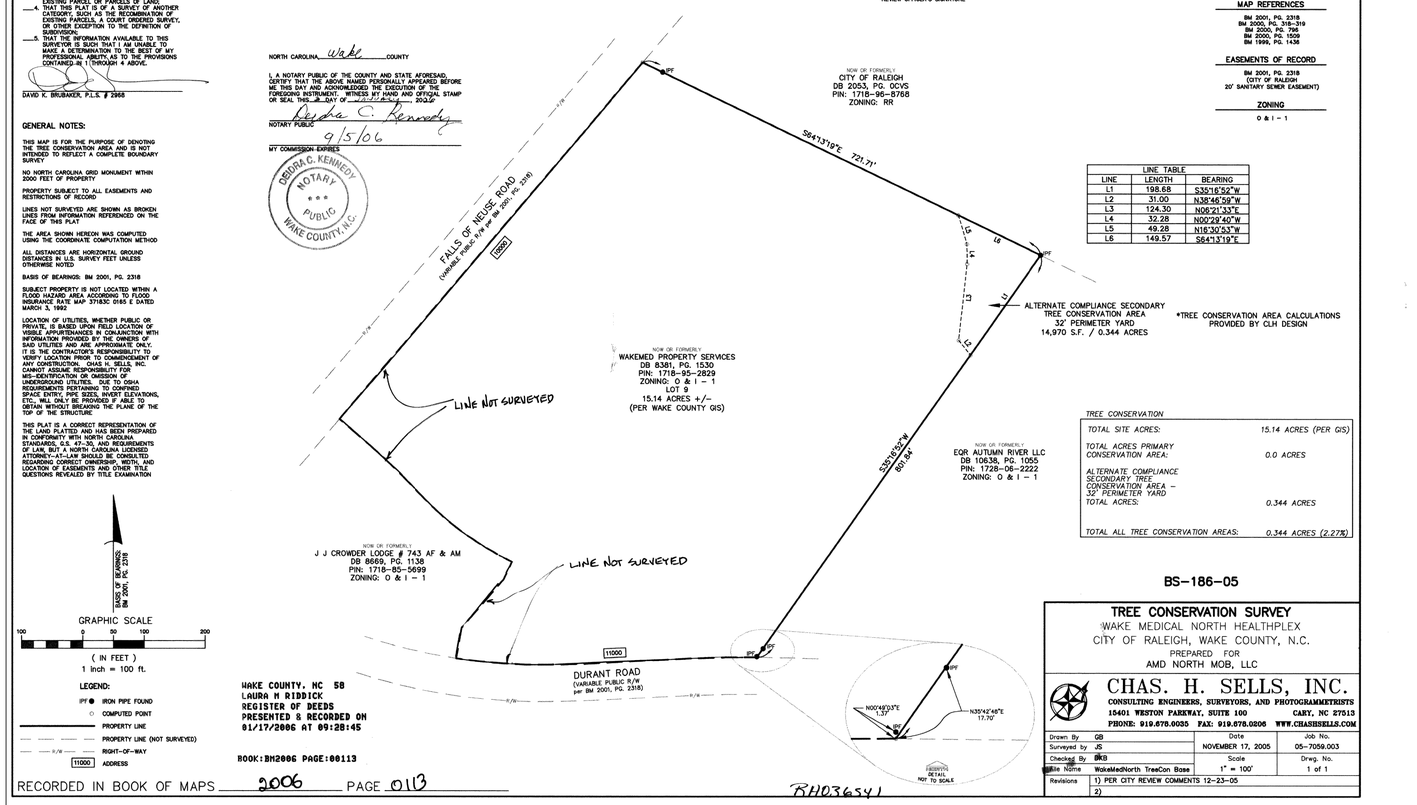
PLANNING DIRECTOR/WAKE COUNTY REVIEW OFFICER 1/12/06

STATE OF NORTH CAROLINA
COUNTY OF WAKE

I, _____, REVIEW OFFICER OF WAKE COUNTY, CERTIFY THAT THE MAP OR PLAT TO WHICH THIS CERTIFICATION IS AFFIXED MEETS ALL STATUTORY REQUIREMENTS FOR RECORDING.

DATE: _____

REVIEW OFFICER'S SIGNATURE



LINE TABLE		
LINE	LENGTH	BEARING
L1	198.68	S35°16'52"W
L2	31.00	N38°46'59"W
L3	124.30	N06°21'33"E
L4	32.28	N00°29'40"W
L5	49.28	N16°30'53"W
L6	149.57	S64°13'19"E

TREE CONSERVATION	
TOTAL SITE ACRES:	15.14 ACRES (PER GIS)
TOTAL ACRES PRIMARY CONSERVATION AREA:	0.0 ACRES
ALTERNATE COMPLIANCE SECONDARY TREE CONSERVATION AREA - 32' PERIMETER YARD TOTAL ACRES:	0.344 ACRES
TOTAL ALL TREE CONSERVATION AREAS:	0.344 ACRES (2.27%)

VICINITY MAP (N.T.S.)

SITE
WAKE FOREST ROAD
LONGLEAF DRIVE
I-540
NORTH

SOURCE OF TITLE

DB 8381, PG. 1530

MAP REFERENCES

BM 2001, PG. 2318
BM 2000, PG. 318-319
BM 2000, PG. 795
BM 2000, PG. 1509
BM 1999, PG. 1436

EASEMENTS OF RECORD

BM 2001, PG. 2318
(CITY OF RALEIGH
20' SANITARY SEWER EASEMENT)

ZONING

O & I - 1

TREE CONSERVATION SURVEY

WAKE MEDICAL NORTH HEALTHPLEX
CITY OF RALEIGH, WAKE COUNTY, N.C.
PREPARED FOR
AMD NORTH MOB, LLC

CHAS. H. SELLS, INC.
CONSULTING ENGINEERS, SURVEYORS, AND PHOTOGRAMMETRISTS
15401 WESTON PARKWAY, SUITE 100 CARY, NC 27513
PHONE: 919.678.0035 FAX: 919.678.0206 WWW.CHASHSELLS.COM

Drawn By GB	Date NOVEMBER 17, 2005	Job No. 05-7059.003
Surveyed by JS		
Checked By BKB	Scale 1" = 100'	Drwg. No. 1 of 1
File Name WakeMedNorth TreeCon Base		
Revisions 1) PER CITY REVIEW COMMENTS 12-23-05 2)		

WAKE COUNTY, NC 58
LAURA M RIDDICK
REGISTER OF DEEDS
PRESENTED & RECORDED ON
01/17/2006 AT 09:28:45

BOOK:BM2006 PAGE:00113

RECORDED IN BOOK OF MAPS 2006 PAGE 0113

RH036541

TREE CONSERVATION NOTES:

1. TREE CONSERVATION FOR THIS SITE IS PREVIOUSLY RECORDED IN WAKE COUNTY BOOK OF MAPS 2006, PAGE 113.
2. TREE PROTECTION FENCING SHALL BE INSTALLED AROUND THE AREA RECORDED AS TREE CONSERVATION DURING CONSTRUCTION.

FOR REFERENCE ONLY

Kimley»Horn

NC LICENSE F-0102 ©2023

421 FAYETTEVILLE STREET
SUITE 600
RALEIGH, NC 27601

PHONE: 919.677.2000
FAX: 919.677.2050

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SEALS

WAKEMED NORTH DECK EXPANSION

Raleigh, NC

NO:	DATE	DRAWING ISSUE DESCRIPTION

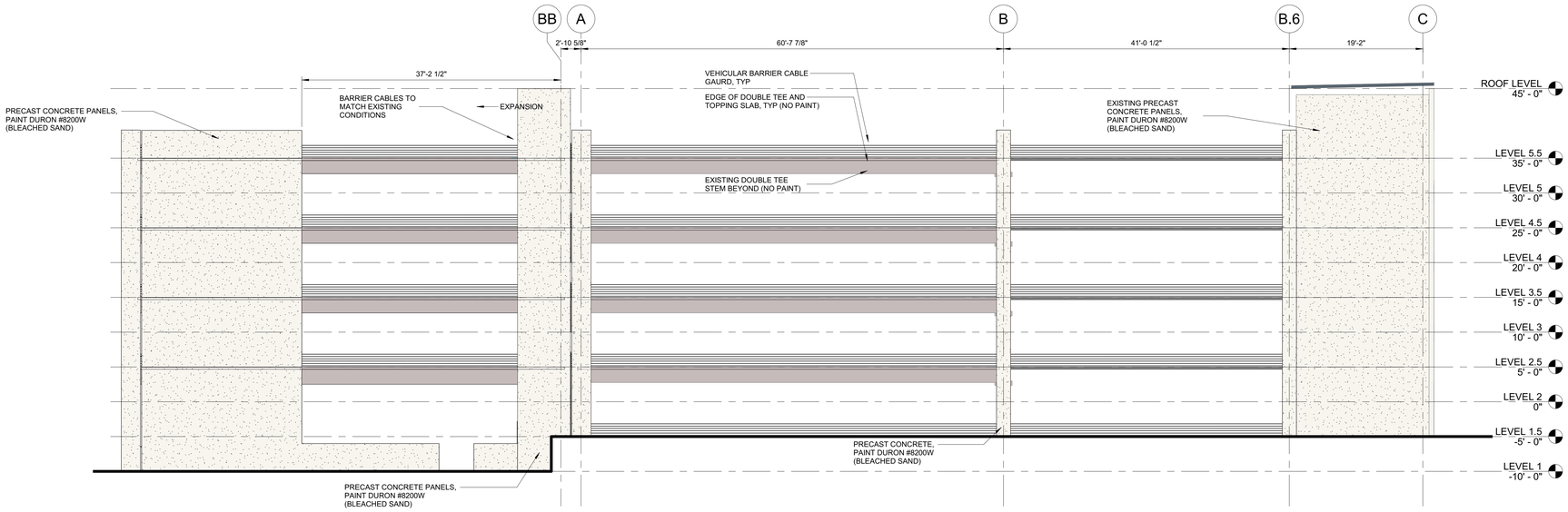
DESIGNED BY: AWF
DRAWN BY: AWF
CHECKED BY: RLB
SCALE: 1" = 30
DATE: 09/05/2023
PROJECT NO: 011076024

TREE CONSERVATION PLAN

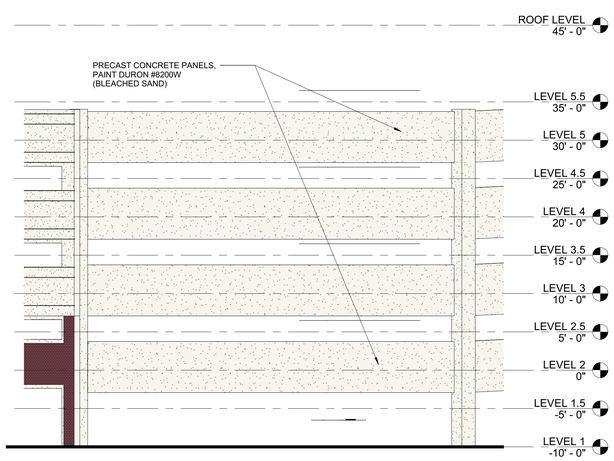
SITE REVIEW SUBMITTAL

TC101

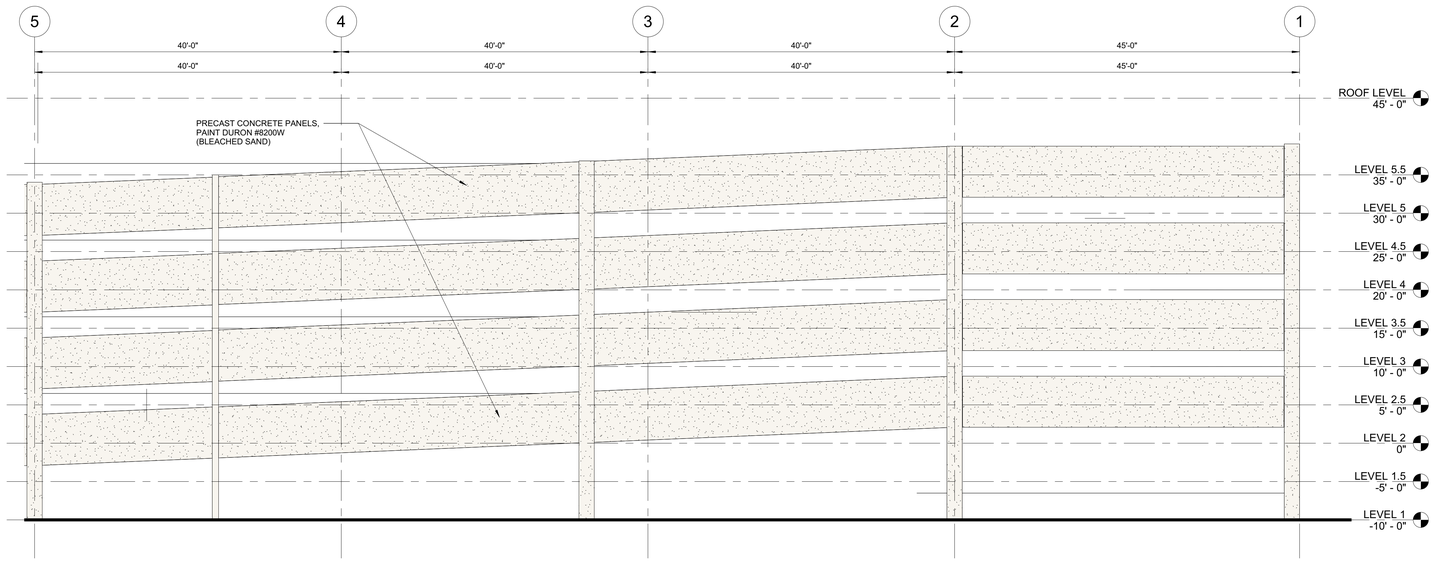
5/23/2023 1:05:19 PM Autodesk Docs://011076024 WakeMed North Deck Expansion/WakeMed North Deck Expansion - Shard v2022.rvt



2 ELEVATION - WEST
SCALE: 1/8" = 1'-0"



4 ELEVATION - NORTH EAST
SCALE: 1/8" = 1'-0"



1 ELEVATION - NORTH
SCALE: 1/8" = 1'-0"

Kimley»Horn
NC LICENSE #F-0102

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EWING COLE

8208 Brownleigh Drive, Suite 200
Raleigh, NC 27617
Tel: 919-460-6700 Fax: 919-460-6733

SEALS

PRELIMINARY DRAWINGS
DO NOT USE FOR CONSTRUCTION

WAKEMED NORTH DECK EXPANSION

10000 FALLS OF NEUSE ROAD, RALEIGH NORTH CAROLINA

CLIENT PROJECT INFO

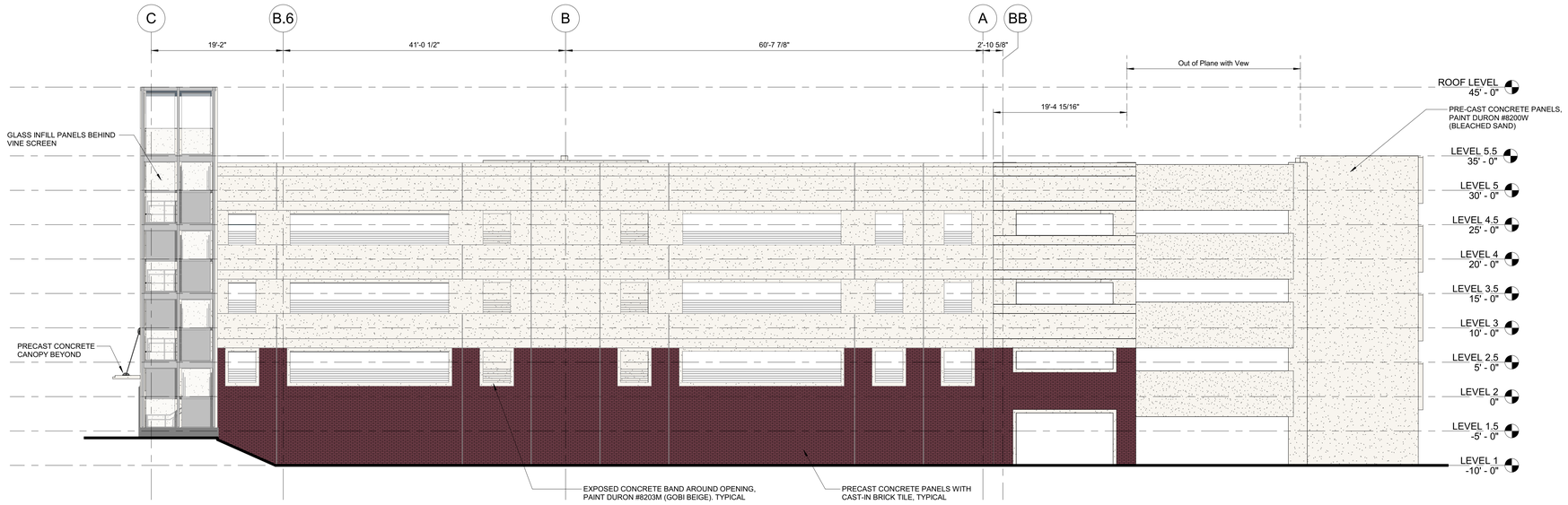
NO:	DATE	DRAWING ISSUE DESCRIPTION

DESIGNED BY: Designer
DRAWN BY: Author
CHECKED BY: Checker
SCALE: 1/8" = 1'-0"
DATE: --/--/--
PROJECT NO: 20220492
FILENAME:

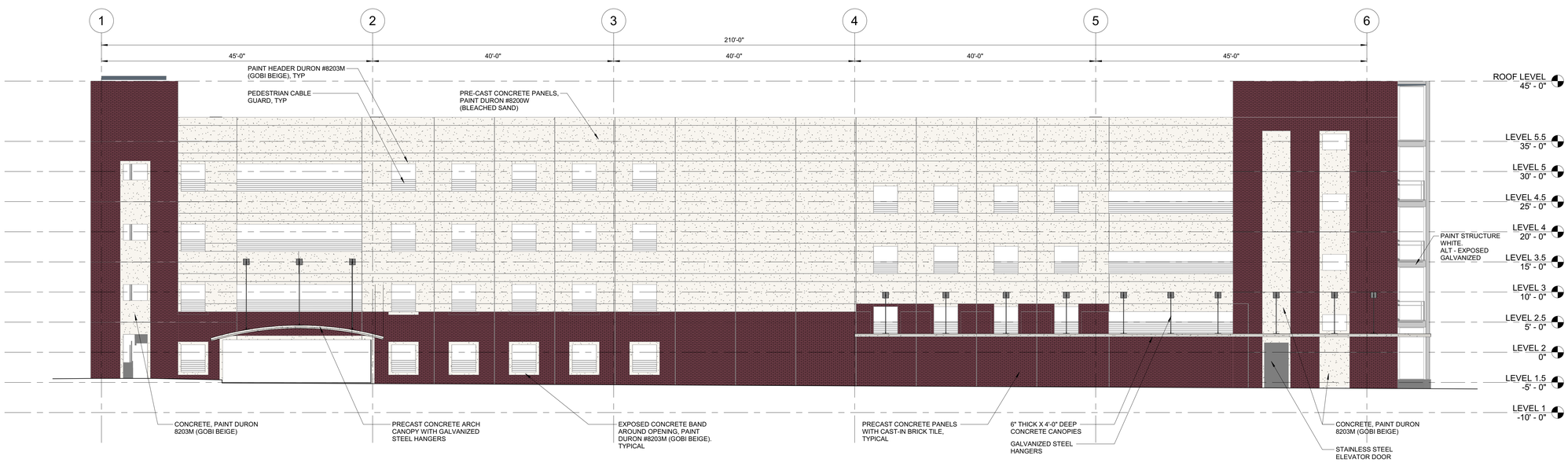
ELEVATION STUDIES

Site Review Submittal

A310



1 ELEVATION - EAST
SCALE: 1/8" = 1'-0"



2 ELEVATION - SOUTH
SCALE: 1/8" = 1'-0"

Kimley»Horn
NC LICENSE #F-0102

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SEALS

PRELIMINARY DRAWINGS
DO NOT USE FOR CONSTRUCTION

WAKEMED NORTH DECK EXPANSION

10000 FALLS OF NEUSE ROAD, RALEIGH NORTH CAROLINA

CLIENT PROJECT INFO

NO:	DATE	DRAWING ISSUE DESCRIPTION

DESIGNED BY: Designer
DRAWN BY: Author
CHECKED BY: Checker
SCALE: 1/8" = 1'-0"
DATE: --/--/--
PROJECT NO: 20220492
FILENAME:

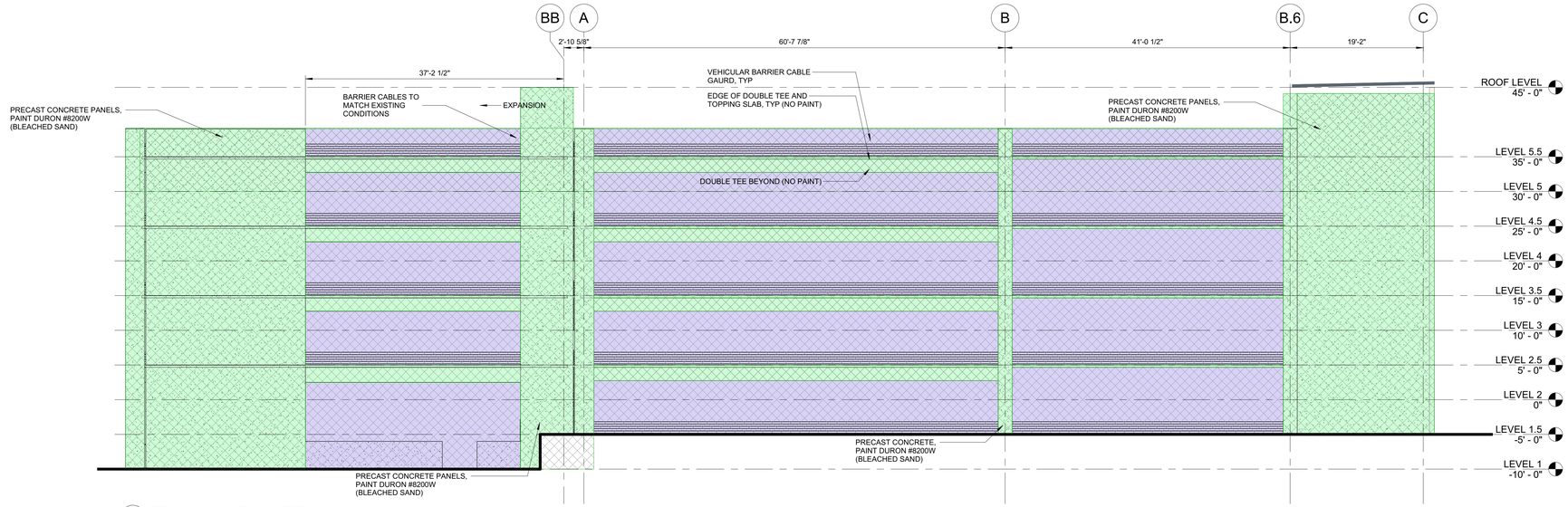
ELEVATION STUDIES

Site Review Submittal

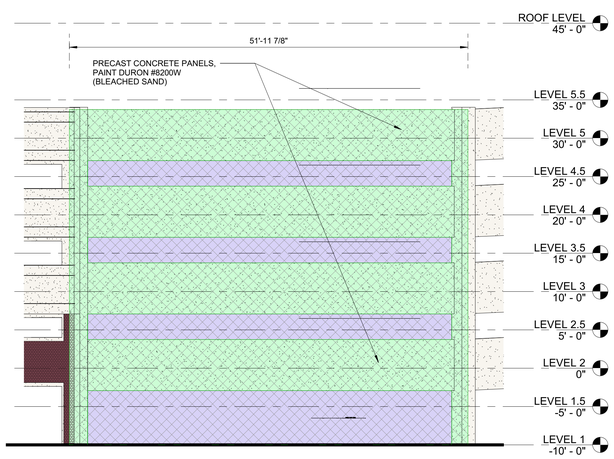
A311

Autodesk Docs://10170024 Wakemed North Deck Expansion/10170024_ARCH25_CENTRAL.rvt

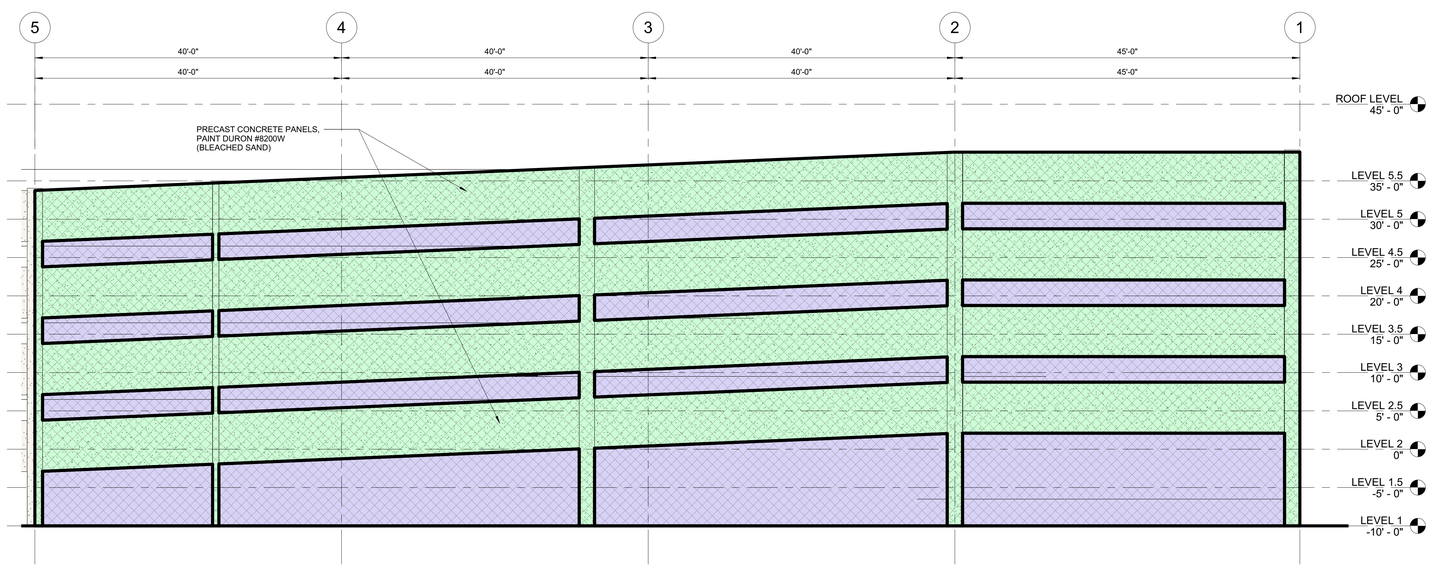
LOCATION	OPEN AREA (SF)	TOTAL AREA (SF)	% OPEN	OPEN LENGTH	TOTAL LENGTH	% OF LENGTH OPEN
N	1948	2180	89.4%	204'-8"	218' - 1"	93.8%
E	107	1674	6.4%	23'-9"	161' - 2"	14.7%
S	313	1635	19.1%	52' - 8"	216' - 11"	24.3%
W	879	1230	71.5%	136'-7"	186' - 5"	73.2%
Level 1	**3247**	**6719**	**48.3%**	**417'-8"**	**782' - 7"**	**53.4%**
N	680	2180	31.2%	204'-8"	218' - 1"	93.8%
E	432	1612	26.8%	80'-0"	161' - 2"	49.6%
S	350	2169	16.1%	89'-4"	216' - 11"	41.2%
W	1320	1864	70.8%	136'-7"	186' - 5"	73.2%
Level 2	**2782**	**7825**	**35.6%**	**510'-7"**	**782' - 7"**	**65.2%**
N	680	2180	31.2%	204'-8"	218' - 1"	93.8%
E	440	1612	27.3%	80'-0"	161' - 2"	49.6%
S	367	2169	16.9%	89'-4"	216' - 11"	41.2%
W	1320	1864	70.8%	136'-7"	186' - 5"	73.2%
Level 3	**2807**	**7825**	**35.9%**	**510'-7"**	**782' - 7"**	**65.2%**
N	680	2180	31.2%	204'-8"	218' - 1"	93.8%
E	440	1612	27.3%	80'-0"	161' - 2"	49.6%
S	367	2169	16.9%	89'-4"	216' - 11"	41.2%
W	1320	1864	70.8%	136'-7"	186' - 5"	73.2%
Level 4	**2807**	**7825**	**35.9%**	**510'-7"**	**782' - 7"**	**65.2%**



2 OPEN AIR CALCULATIONS - WEST
SCALE: 1/8" = 1'-0"



4 OPEN AIR CALCULATIONS - NORTH EAST
SCALE: 1/8" = 1'-0"



1 OPEN AIR CALCULATIONS - NORTH
SCALE: 1/8" = 1'-0"

Kimley»Horn
NC LICENSE #F-0102

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EWING COLE

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SEALS

PRELIMINARY DRAWINGS
DO NOT USE FOR CONSTRUCTION

WAKEMED NORTH DECK EXPANSION

10000 FALLS OF NEUSE ROAD, RALEIGH NORTH CAROLINA

CLIENT PROJECT INFO

NO:	DATE	DRAWING ISSUE DESCRIPTION

DESIGNED BY: Designer
DRAWN BY: Author
CHECKED BY: Checker
SCALE: 1/8" = 1'-0"
DATE: --/--/--
PROJECT NO: 20220492
FILENAME:

ELEVATION OPEN AIR CALC

Site Review Submittal

A312

LOCATION	OPEN AREA (SF)	TOTAL AREA (SF)	% OPEN	OPEN LENGTH	TOTAL LENGTH	% OF LENGTH OPEN
N	1948	2180	89.4%	204'-8"	218' - 1"	93.8%
E	107	1674	6.4%	23'-9"	161' - 2"	14.7%
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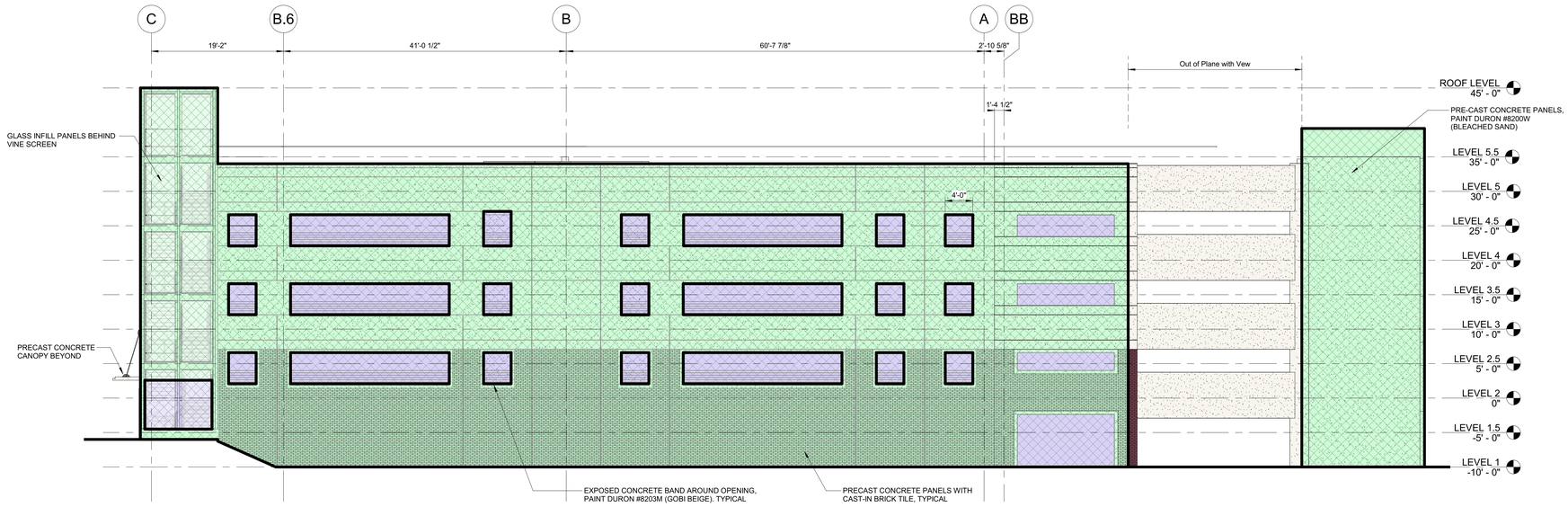
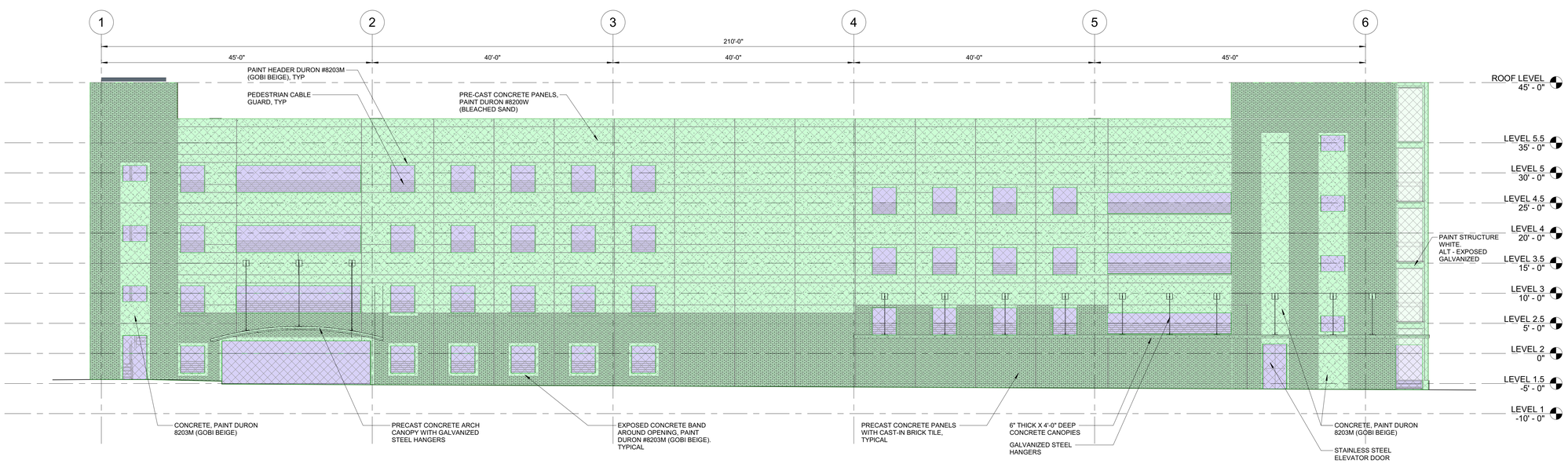
Level 4	**2807**	**7825**	**35.9%**	**510'-7"**	**782' - 7"**	**65.2%**



1 OPEN AIR CALCULATIONS - EAST
SCALE: 1/8" = 1'-0"



2 OPEN AIR CALCULATIONS - SOUTH
SCALE: 1/8" = 1'-0"

Kimley»Horn
NC LICENSE #F-0102

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SEALS

PRELIMINARY DRAWINGS
DO NOT USE FOR CONSTRUCTION

WAKEMED NORTH DECK EXPANSION

10000 FALLS OF NEUSE ROAD, RALEIGH NORTH CAROLINA

CLIENT PROJECT INFO

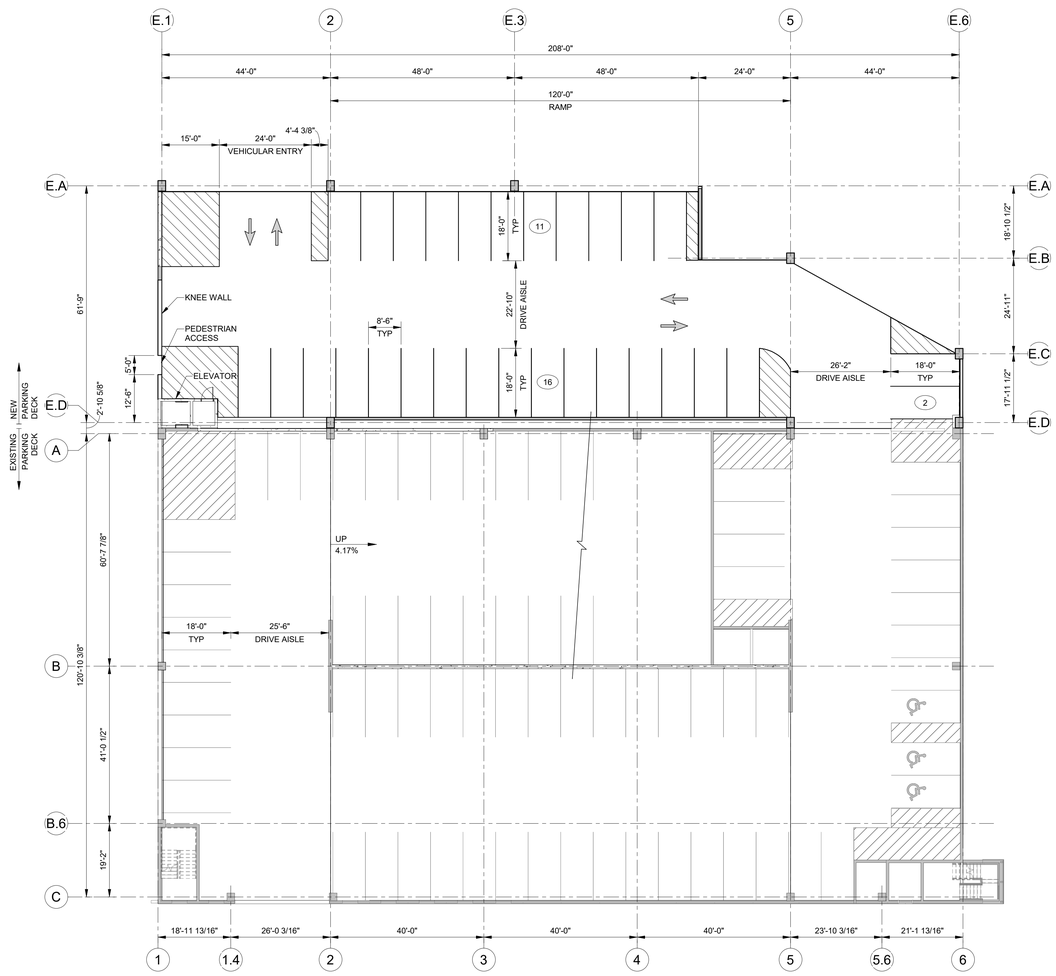
NO:	DATE	DRAWING ISSUE DESCRIPTION

DESIGNED BY: Designer
DRAWN BY: Author
CHECKED BY: Checker
SCALE: 1/8" = 1'-0"
DATE: --/--/--
PROJECT NO: 20220492
FILENAME:

ELEVATION OPEN AIR CALC

Site Review Submittal

A313



1 TR101 STRIPING PLAN - LEVEL 1

SCALE: 1/16" = 1'-0"

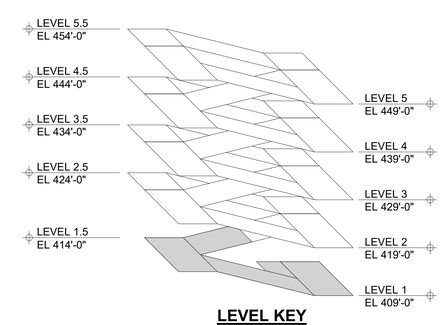
NOTES:

1. REFER TO SHEET TR501 FOR INFORMATION, LAYOUT AND DIMENSIONS OF PARKING STRIPING AND COLOR SCHEDULE.
2. FOR FINISHED FLOOR ELEVATIONS, REFER TO SLAB ON GRADE PLAN AND FRAMING PLANS XXX.
3. FOR DETAILS NOT SHOWN, REFER TO ARCHITECTURAL PLANS.
4. VERTICAL FACE AND 6" OF TOP OF ALL RAISED CONCRETE CURBS AND ISLANDS SHALL BE PAINTED YELLOW.
5. ALL STRIPING TO BE RETRO-REFLECTIVE PAINT IN ACCORDANCE WITH SPECIFICATIONS.
6. ALL CURB CORNERS TO HAVE A MINIMUM 0'-6" RADIUS UNO.
7. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER.
8. THE CONTRACTOR SHALL CONFIRM AND COORDINATE ALL CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING ITEMS.
9. THE CONTRACTOR SHALL COORDINATE FINAL SIGN LOCATIONS WITH LIGHT FIXTURES, PLUMBING RISERS, DRAINS, AND CONDUIT.
10. REFER TO DETAILS ON SHEET XXX FOR PROTECTION ELEMENTS AT FIRE EXTINGUISHER CABINETS AND PIPING. REFER TO ARCH AND MEP PLANS FOR LOCATION AND QUANTITY.
11. ADA NOTES:
    - A. STANDARD ADA SPACES ARE TO BE 8'-0" WIDE, VAN ACCESS SPACES ARE TO BE 11'-0" WIDE, AND ACCESS AISLES ARE TO BE 5'-0" WIDE TYP. MEASUREMENTS ARE FROM CENTER OF 4" WIDE STRIPE.
    - B. ALL ACCESSIBLE ROUTES, GENERAL SITE AND BUILDING ELEMENTS, RAMPS, CURB RAMPS, STRIPING, AND PAVEMENT MARKINGS SHALL CONFORM TO ADA STANDARDS FOR ACCESSIBLE DESIGN, LATEST EDITION.
    - C. BEFORE PLACING CONCRETE, CONTRACTOR SHALL VERIFY THAT SUITABLE ACCESSIBLE PEDESTRIAN ROUTES (PER ADA) EXIST TO AND FROM EVERY DOOR AND ALONG SIDEWALKS. ACCESSIBLE PARKING SPACES, ACCESS AISLES, AND ACCESSIBLE ROUTES. ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL NOT EXCEED 2.0 PERCENT SLOPE IN ANY DIRECTION.
    - D. CONTRACTOR SHALL TAKE FIELD SLOPE MEASUREMENTS ON FINISHED SUBGRADE AND FORM BOARDS PRIOR TO PLACING CONCRETE TO VERIFY THAT ADA SLOPE REQUIREMENTS ARE MET. CONTRACTOR SHALL CONTACT ENGINEER PRIOR TO WORK IF ANY EXCESSIVE SLOPES ARE ENCOUNTERED.

LEGEND:

- (20) DENOTES NUMBER OF PARKING SPACES SPACED BETWEEN CURBS, CURB ISLANDS, PAINTED ISLANDS, ETC.
- DENOTES CROSS-HATCHED PAINTED AREA. DIMENSIONS SHOWN ON PLAN SHALL BE TO CENTER OF PARKING STRIPE.
- DENOTES ACCESSIBLE PARKING SPACE
- DENOTES "STOP" BAR AND WORD TO BE PAINTED ON FLOOR.
- DENOTES PAVEMENT ARROW MARKING TO BE PAINTED ON FLOOR.

PARKING SUMMARY - TOTAL			
LEVEL	TYPICAL	ACCESSIBLE	TOTAL
LEVEL 5	115	0	115
LEVEL 4	115	0	115
LEVEL 3	113	3	116
LEVEL 2	113	3	116
LEVEL 1	89	3	92
TOTAL	545	9	554



LEVEL KEY

Kimley»Horn

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421 FAYETTEVILLE STREET
SUITE 600
RALEIGH, NC 27601

PHONE: 919.677.2000
FAX: 919.677.2050

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SEALS

P [redacted] GS N

WakeMed North Parking Deck Expansion

Raleigh, NC

NO:	DATE	DRAWING ISSUE DESCRIPTION

DESIGNED BY: EEH
DRAWN BY: PCM
CHECKED BY: APC
SCALE: As indicated
DATE: 09/05/2023
PROJECT NO: 011076024

STRIPING PLAN - LEVEL 1

SITE REVIEW SUBMITTAL

TR101

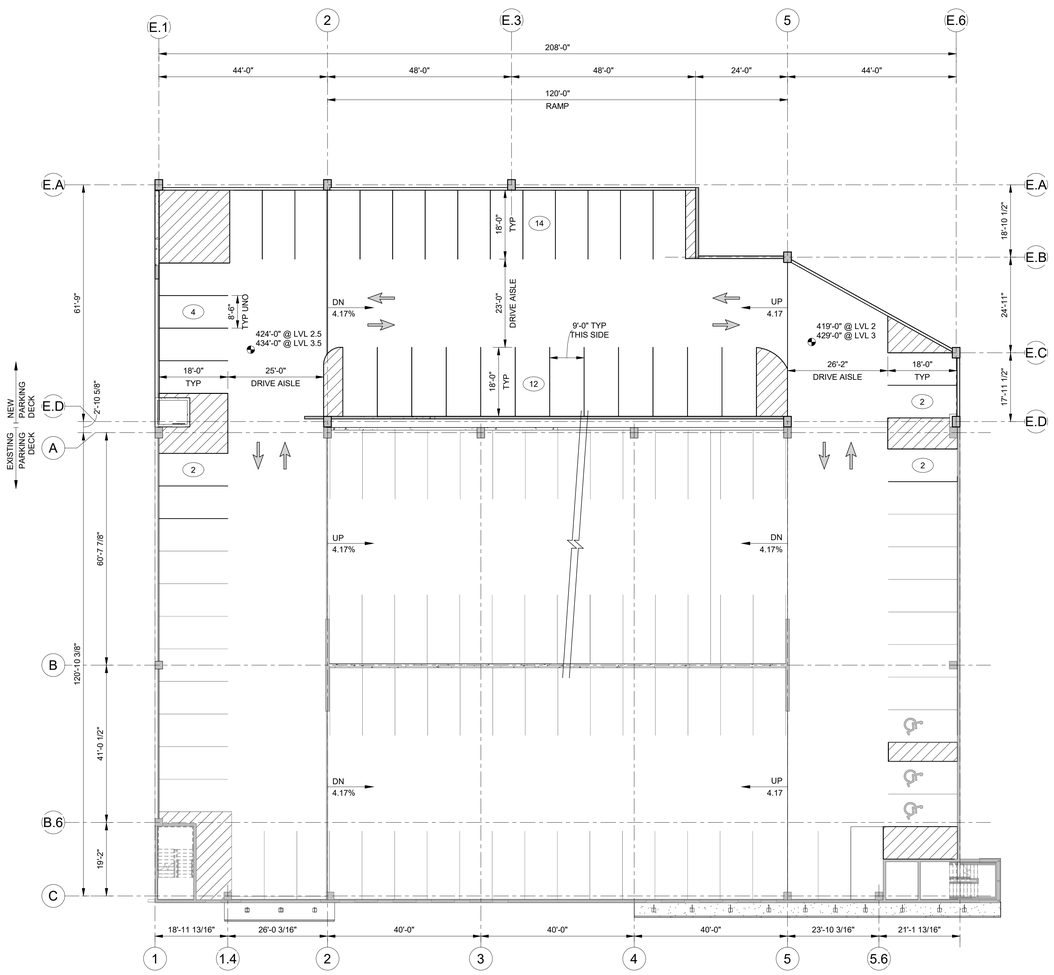
9/18/2023 5:26:44 PM Autodesk Docs://011076024 WakeMed North Deck Expansion/WakeMed North Deck Expansion - Struct_v2022.rvt

NOTES:

1. SEE NOTES ON SHEET TR101.

LEGEND:

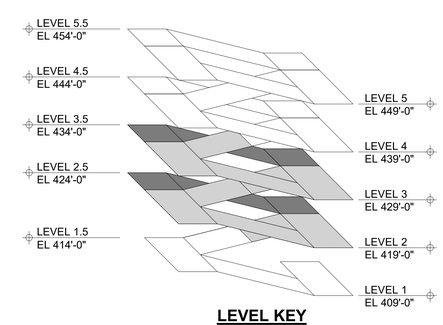
20	DENOTES NUMBER OF PARKING SPACES SPACED BETWEEN CURBS, CURB ISLANDS, PAINTED ISLANDS, ETC.
	DENOTES CROSS-HATCHED PAINTED AREA. DIMENSIONS SHOWN ON PLAN SHALL BE TO CENTER OF PARKING STRIPE.
	DENOTES ACCESSIBLE PARKING SPACE
	DENOTES "STOP" BAR AND WORD TO BE PAINTED ON FLOOR.
	DENOTES PAVEMENT ARROW MARKING TO BE PAINTED ON FLOOR.



1 / TR102 STRIPING PLAN - LEVEL 2 & 3

SCALE: 1/16" = 1'-0"

PARKING SUMMARY - TOTAL			
LEVEL	TYPICAL	ACCESSIBLE	TOTAL
LEVEL 5	115	0	115
LEVEL 4	115	0	115
LEVEL 3	113	3	116
LEVEL 2	113	3	116
LEVEL 1	89	3	92
TOTAL	545	9	554



LEVEL KEY

Kimley»Horn

NC LICENSE #F-0102

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SEALS

PR[redacted]GS
DO[redacted]ION

WakeMed North Parking Deck Expansion

Raleigh, NC

NO:	DATE	DRAWING ISSUE DESCRIPTION

DESIGNED BY: EEH
DRAWN BY: PCM
CHECKED BY: APC
SCALE: As indicated
DATE: 09/05/2023
PROJECT NO: 011076024

STRIPING PLAN - LEVEL 2 - 3

SITE REVIEW SUBMITTAL

TR102

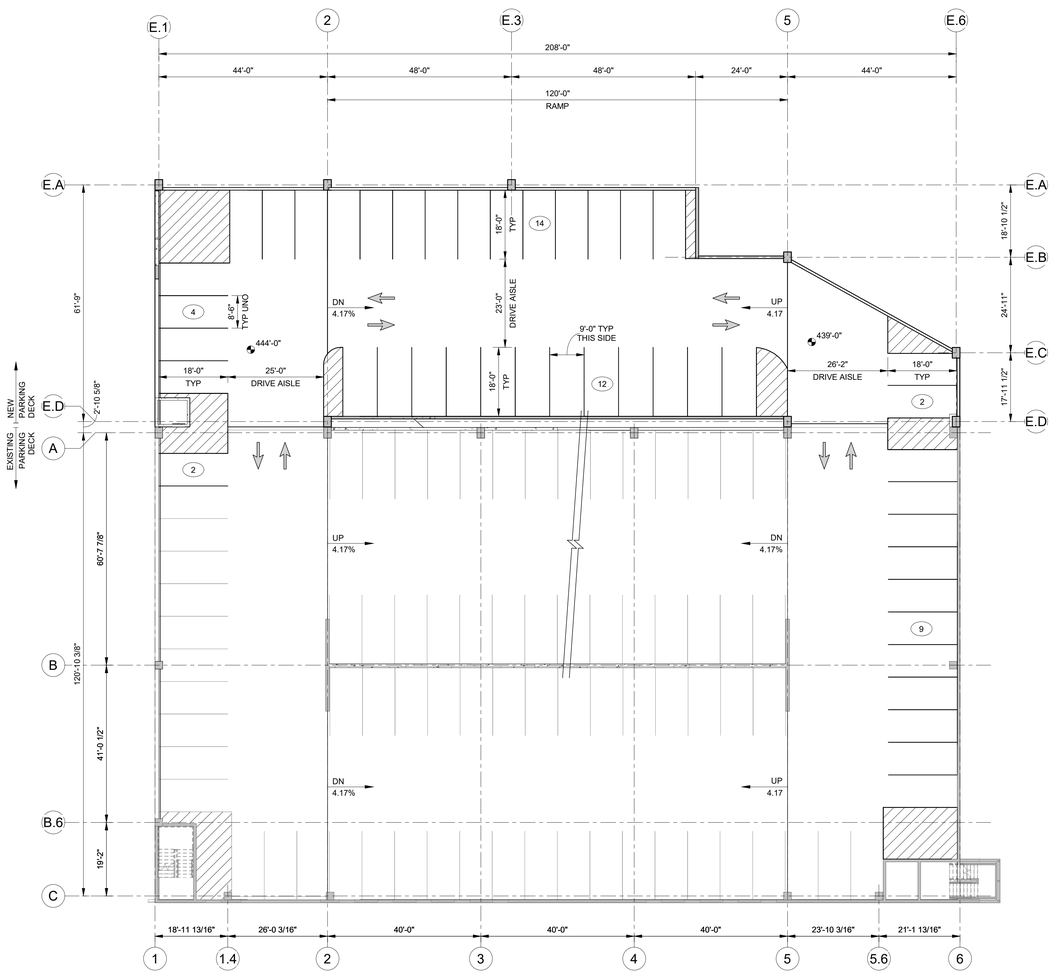
9/18/2023 3:29:45 PM Autodesk Docs://011076024 WakeMed North Deck Expansion/WakeMed North Deck Expansion - Struct_v2022.rvt

NOTES:

1. SEE NOTES ON SHEET TR101.

LEGEND:

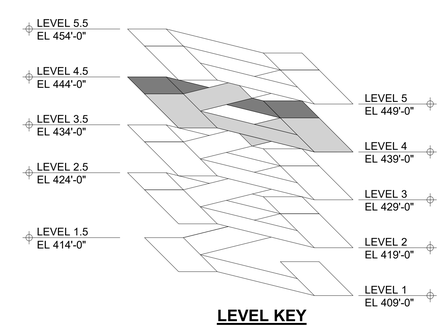
20	DENOTES NUMBER OF PARKING SPACES SPACED BETWEEN CURBS, CURB ISLANDS, PAINTED ISLANDS, ETC.
	DENOTES CROSS-HATCHED PAINTED AREA. DIMENSIONS SHOWN ON PLAN SHALL BE TO CENTER OF PARKING STRIPE.
	DENOTES ACCESSIBLE PARKING SPACE
	DENOTES "STOP" BAR AND WORD TO BE PAINTED ON FLOOR.
	DENOTES PAVEMENT ARROW MARKING TO BE PAINTED ON FLOOR.



1 TR103 STRIPING PLAN - LEVEL 4

SCALE: 1/16" = 1'-0"

PARKING SUMMARY - TOTAL			
LEVEL	TYPICAL	ACCESSIBLE	TOTAL
LEVEL 5	115	0	115
LEVEL 4	115	0	115
LEVEL 3	113	3	116
LEVEL 2	113	3	116
LEVEL 1	89	3	92
TOTAL	545	9	554



LEVEL KEY

Kimley»Horn

NC LICENSE #F-0102

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SEALS

PR[redacted]NGS
D[redacted]TION

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Raleigh, NC

NO:	DATE	DRAWING ISSUE DESCRIPTION

DESIGNED BY: EEH
DRAWN BY: PCM
CHECKED BY: APC
SCALE: As indicated
DATE: 09/05/2023
PROJECT NO: 011076024

STRIPING PLAN - LEVEL 4

SITE REVIEW SUBMITTAL

TR103

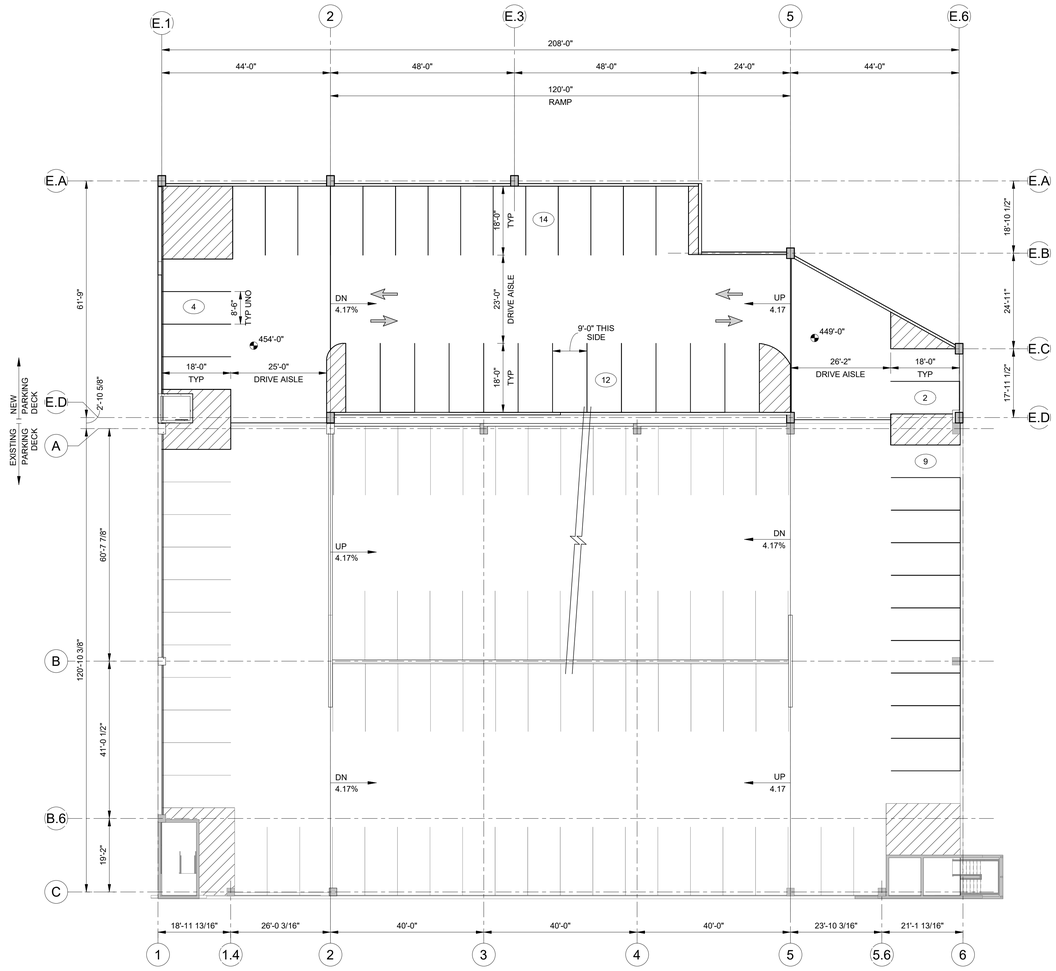
9/18/2023 3:29:46 PM Autodesk Docs://011076024 WakeMed North Deck Expansion/WakeMed North Deck Expansion - Struct_v2022.rvt

NOTES:

1. SEE NOTES ON SHEET TR101.

LEGEND:

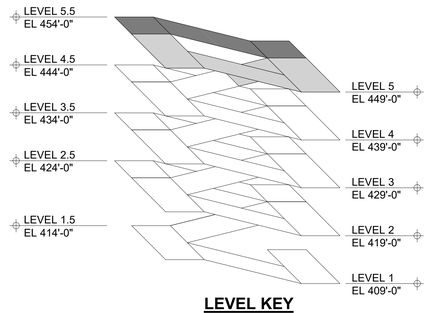
20	DENOTES NUMBER OF PARKING SPACES SPACED BETWEEN CURBS, CURB ISLANDS, PAINTED ISLANDS, ETC.
	DENOTES CROSS-HATCHED PAINTED AREA. DIMENSIONS SHOWN ON PLAN SHALL BE TO CENTER OF PARKING STRIPE.
	DENOTES ACCESSIBLE PARKING SPACE
	DENOTES "STOP" BAR AND WORD TO BE PAINTED ON FLOOR.
	DENOTES PAVEMENT ARROW MARKING TO BE PAINTED ON FLOOR.



1 TR104 STRIPING PLAN - LEVEL 5

SCALE: 1/16" = 1'-0"

PARKING SUMMARY - TOTAL			
LEVEL	TYPICAL	ACCESSIBLE	TOTAL
LEVEL 5	115	0	115
LEVEL 4	115	0	115
LEVEL 3	113	3	116
LEVEL 2	113	3	116
LEVEL 1	89	3	92
TOTAL	545	9	554



LEVEL KEY

Kimley»Horn

NC LICENSE #F-0102

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421 FAYETTEVILLE STREET
SUITE 600
RALEIGH, NC 27601

PHONE: 919.677.2000
FAX: 919.677.2050

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SEALS

PREL[redacted]INGS
DO N[redacted]CTION

WakeMed North Parking Deck Expansion

Raleigh, NC

NO:	DATE	DRAWING ISSUE DESCRIPTION

DESIGNED BY: EEH
DRAWN BY: PCM
CHECKED BY: APC
SCALE: As indicated
DATE: 09/20/2023
PROJECT NO: 011076024

STRIPING PLAN - LEVEL 5

SITE REVIEW SUBMITTAL

TR104

Autodesk Docs://011076024 WakeMed North Deck Expansion/WakeMed North Deck Expansion - Strct_v2022.rvt
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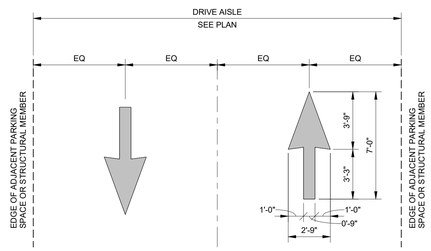
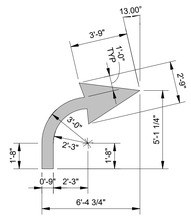
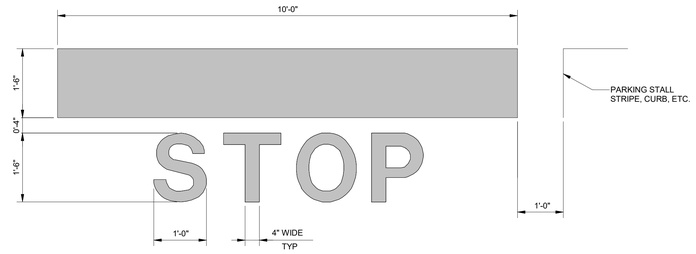
PARKING STRIPE COLOR SCHEDULE	
STRIPE	COLOR
STANDARD	WHITE
ADA STRIPE/ AISLE	WHITE
ADA SYMBOL	BLUE
EV	GREEN
GREEN VEHICLE	GREEN
COMPACT	WHITE
CROSS HATCH PAVEMENT MARKINGS (NON-ADA)	WHITE
STOP BAR AND "STOP"	WHITE W/ GLASS BEADS
PAVEMENT ARROW	WHITE W/ GLASS BEADS



7 TR501 DIRECTIONAL ARROW
SCALE: 1/4" = 1'-0"

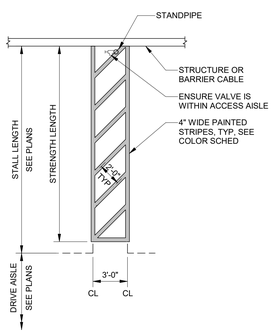


8 TR501 TURN ARROW
SCALE: 1/4" = 1'-0"

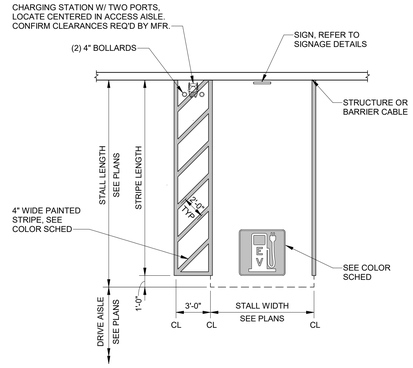


NOTES:
1. MARKINGS SHOWN IN THE ABOVE DETAILS SHALL BE TRAFFIC AND ZONE MARKING PAINT WITH GLASS BEADS PER TECHNICAL SPECIFICATIONS.
2. MINIMUM SIZE LETTERING SHOWN. CONTRACTOR TO SUBMIT ACTUAL SIZE FOR APPROVAL OF THE ENGINEER.

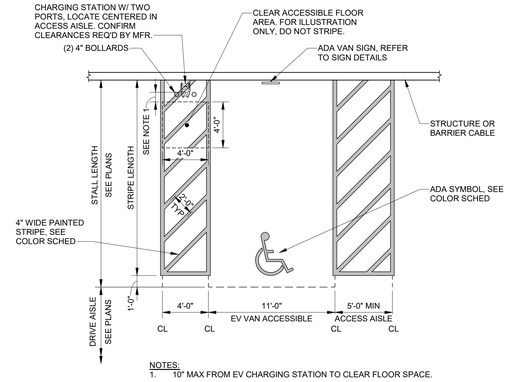
9 TR501 STOP BAR DETAIL
SCALE: 3/4" = 1'-0"



4 TR501 FIRE STANDPIPE ACCESS AISLE
SCALE: 3/16" = 1'-0"

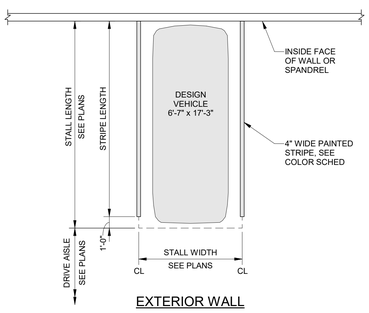


5 TR501 ELECTRIC VEHICLE CHARGING SPACE
SCALE: 3/16" = 1'-0"

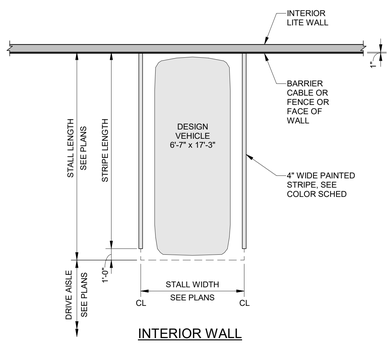


NOTES:
1. 10" MAX FROM EV CHARGING STATION TO CLEAR FLOOR SPACE.

6 TR501 ACCESSIBLE ELECTRIC VEHICLE CHARGING SPACE
SCALE: 3/16" = 1'-0"

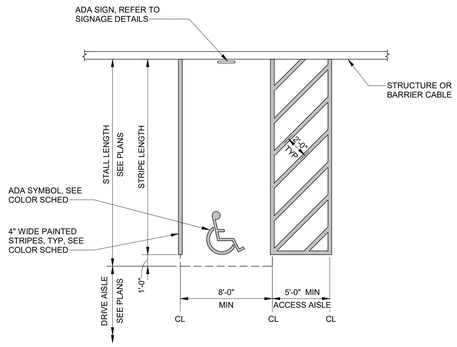


EXTERIOR WALL

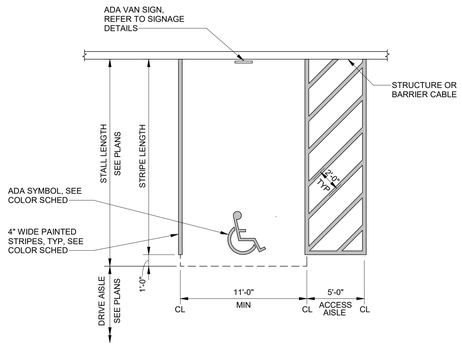


INTERIOR WALL

1 TR501 PARKING SPACES
SCALE: 3/16" = 1'-0"



2 TR501 ACCESSIBLE SPACE
SCALE: 3/16" = 1'-0"



3 TR501 ACCESSIBLE VAN SPACE
SCALE: 3/16" = 1'-0"

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SEALS

P INGS
D CTION

[redacted]

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Raleigh, NC

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STRIPING DETAILS

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TR501

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