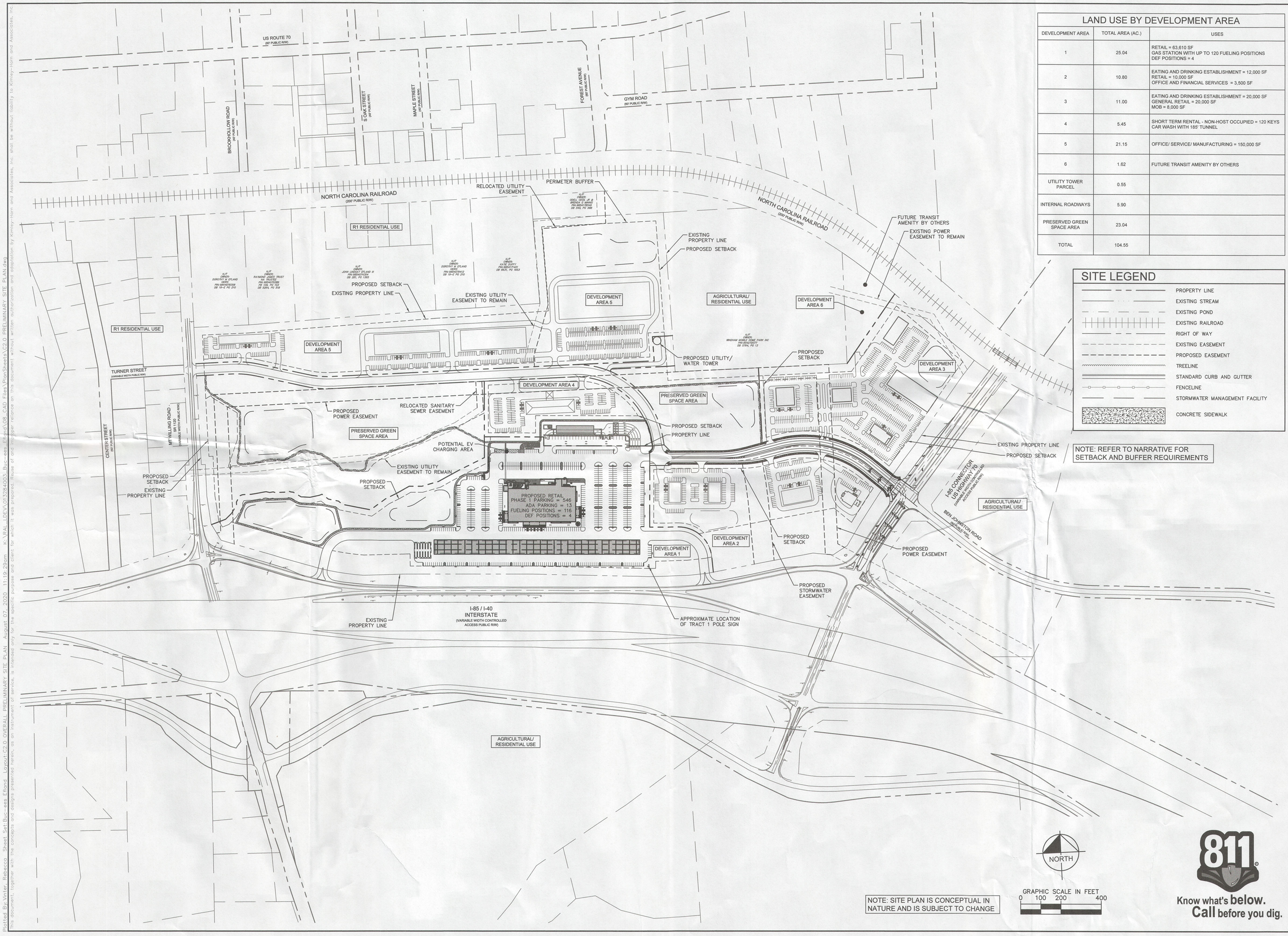

LAND USE BY DEVELOPMENT AREA

DEVELOPMENT AREA	TOTAL AREA (AC.)	USES
1	25.04	RETAIL = 63,610 SF GAS STATION WITH UP TO 120 FUELING POSITIONS DEF POSITIONS = 4
2	10.80	EATING AND DRINKING ESTABLISHMENT = 12,000 SF RETAIL = 10,000 SF OFFICE AND FINANCIAL SERVICES = 3,500 SF
3	11.00	EATING AND DRINKING ESTABLISHMENT = 20,000 SF GENERAL RETAIL = 20,000 SF MOB = 8,000 SF
4	5.45	SHORT TERM RENTAL - NON-HOST OCCUPIED = 120 KEYS CAR WASH WITH 185' TUNNEL
5	21.15	OFFICE/ SERVICE/ MANUFACTURING = 150,000 SF
6	1.62	FUTURE TRANSIT AMENITY BY OTHERS
UTILITY TOWER PARCEL	0.55	
INTERNAL ROADWAYS	5.90	
PRESERVED GREEN SPACE AREA	23.04	
TOTAL	104.55	

SITE LEGEND

- PROPERTY LINE
- EXISTING STREAM
- EXISTING POND
- EXISTING RAILROAD
- RIGHT OF WAY
- EXISTING EASEMENT
- PROPOSED EASEMENT
- TREELINE
- STANDARD CURB AND GUTTER
- FENCELINE
- STORMWATER MANAGEMENT FACILITY
- CONCRETE SIDEWALK

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WWW.KIMLEY-HORN.COM
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KHA PROJECT 013284003
DATE 08/07/2020
SCALE AS SHOWN
DESIGNED BY RMV
DRAWN BY RMV
CHECKED BY KWH

OVERALL PRELIMINARY SITE PLAN

BEAVER CROSSING MASTER PLAN

ORANGE COUNTY NORTH CAROLINA

SHEET NUMBER
C2.0

Plotted By:Vinter, Rebecca Sheet Set:Buc-ees Efland Layout:C2.0 OVERALL PRELIMINARY SITE PLAN August 07, 2020 11:19:29am K:\RAL_LDEV\013284003_Buc-ees_Efland\08_CAD Files\PlanSheets\C2.0 PRELIMINARY SITE PLAN.dwg
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LAND USE BY DEVELOPMENT AREA

DEVELOPMENT AREA	TOTAL AREA (AC.)	USES	LEGEND
1	25.04	RETAIL = 63,610 SF GAS STATION WITH UP TO 120 FUELING POSITIONS DEF POSITIONS = 4	
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4	5.45	SHORT TERM RENTAL - NON-HOST OCCUPIED = 120 KEYS CAR WASH WITH 185' TUNNEL	
5	21.15	OFFICE/ SERVICE/ MANUFACTURING = 150,000 SF	
6	1.62	FUTURE TRANSIT AMENITY BY OTHERS	
UTILITY TOWER PARCEL	0.55		
INTERNAL ROADWAYS	5.90		
PRESERVED GREEN SPACE AREA	23.04		
TOTAL	104.55		

US ROUTE 70 (80' PUBLIC R/W)
BROOKHOLLOW ROAD (40' PUBLIC R/W)
S OAK STREET (40' PUBLIC R/W)
MAPLE STREET (40' PUBLIC R/W)
FOREST AVENUE (60' PUBLIC R/W)
GYM ROAD (60' PUBLIC R/W)
NORTH CAROLINA RAILROAD (200' PUBLIC R/W)
TURNER STREET (VARIABLE WIDTH PUBLIC R/W)
CENTER STREET (60' PUBLIC R/W)
MT WILLING ROAD (VARIABLE WIDTH PUBLIC R/W)
I-85 / I-40 INTERSTATE (VARIABLE WIDTH CONTROLLED ACCESS PUBLIC R/W)
I-85 CONNECTOR US HIGHWAY 70 (VARIABLE WIDTH CONTROLLED ACCESS PUBLIC R/W)
BEN JOHNSTON ROAD (SR 1836)

N/F OWNER: DOROTHY M EFLAND DB 191, PG 255 PIN 9864978336
N/F OWNER: RAYMOND JAMES TRUST PIN 9864970359 PB 139, PG 103 DB 3284, PG 358
N/F OWNER: JOHN LINDSAY EFLAND III PIN 9864974304 DB 391, PG 1365
N/F OWNER: DOROTHY M EFLAND PIN 9864979412 DB 191-E PG 255
N/F OWNER: GATE CITY PIN 9864971430 DB 6631, PG 1653
N/F OWNER: EXXEL OCS, #1 @ PIN 9864973284 DB 5145, PG 588
N/F OWNER: WINDHAM MOBILE HOME PARK INC PIN 9864972071 DB 5764, PG 13

DEVELOPMENT AREA 1
DEVELOPMENT AREA 2
DEVELOPMENT AREA 3
DEVELOPMENT AREA 4
DEVELOPMENT AREA 5
DEVELOPMENT AREA 6
PRESERVED GREEN SPACE AREA
PRESERVED GREEN SPACE AREA
PROPOSED RETAIL
PHASE 1 PARKING = 546
ADA PARKING = 13
FUELING POSITIONS = 116
DEF POSITIONS = 4

PROPOSED SETBACK
EXISTING PROPERTY LINE
EXISTING UTILITY EASEMENT
EXISTING PROPERTY LINE
PROPOSED SETBACK
EXISTING POWER EASEMENT
EXISTING PROPERTY LINE
PROPOSED SETBACK
PROPOSED SETBACK
EXISTING PROPERTY LINE
PROPOSED SETBACK
PROPOSED SETBACK
PROPOSED POWER EASEMENT
PROPOSED STORMWATER EASEMENT

SITE PLAN IS CONCEPTUAL IN NATURE AND IS SUBJECT CHANGE.

NORTH
GRAPHIC SCALE IN FEET
0 100 200 400

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KHA PROJECT 013284003
DATE 08/07/2020
SCALE AS SHOWN
DESIGNED BY RMV
DRAWN BY RMV
CHECKED BY KWH

LAND USE PLAN

BEAVER CROSSING MASTER PLAN

ORANGE COUNTY NORTH CAROLINA

SHEET NUMBER C2.1

Plotted By: Vinter, Rebecca Sheet Set: Buc-ees Efland Layout: C2.1 LAND USE PLAN August 06, 2020 08:15:44pm K:\RAL_LIDFV\013284003_Buc-ees_Efland\06_CAD Files\PlanSheets\C21 LAND USE PLAN_PLAN.dwg
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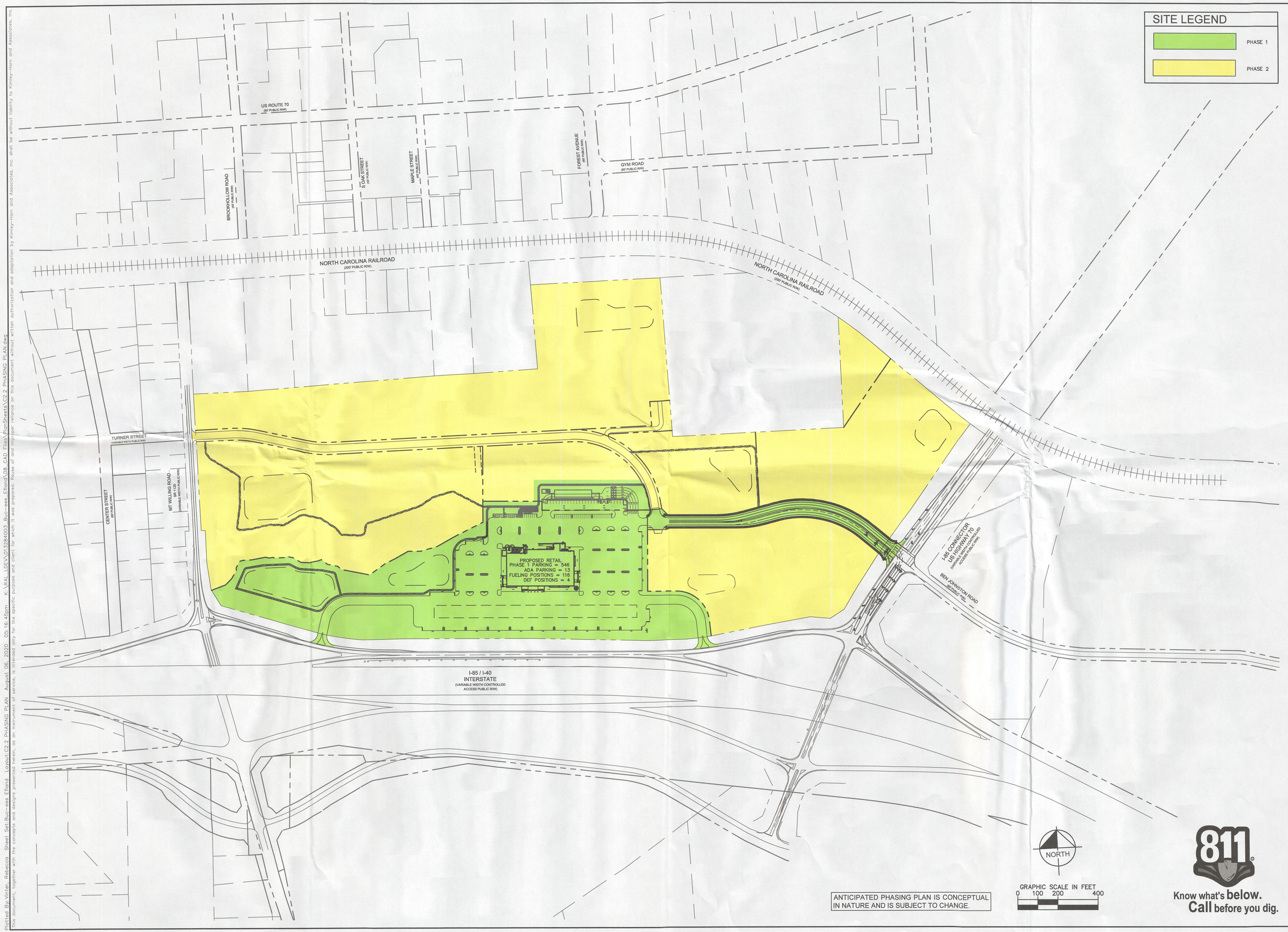

ANTICIPATED PHASING PLAN IS CONCEPTUAL IN NATURE AND IS SUBJECT TO CHANGE.

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DATE	08/07/2020
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ANTICIPATED PHASING PLAN

BEAVER CROSSING MASTER PLAN

ORANGE COUNTY NORTH CAROLINA

SHEET NUMBER
C2.2

Plotted By: Vinter, Rebecca Sheet Set: Buc-ees Efland Layout: C2.2 PHASING PLAN August 06, 2020 05:16:45pm K:\RAL_LDEV\013284003_Buc-ees_Efland\08_CAD Files\PlanSheets\C2.2 PHASING PLAN.dwg
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SITE LEGEND

- PROPERTY LINE
- EXISTING RAILROAD
- RIGHT OF WAY
- STANDARD CURB AND GUTTER

NOTE: ALTERNATE ENTRANCE OPTION IS FOR ILLUSTRATIVE PURPOSES ONLY AND IS INTENDED TO INITIATE REVIEW AND DISCUSSIONS WITH NCDOT AND ORANGE COUNTY.

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ENTRANCE OPTION 2

BEAVER CROSSING MASTER PLAN

ORANGE COUNTY NORTH CAROLINA

SHEET NUMBER
C2.3

Plotted By:Vinter, Rebecca Sheet Set:Buc-ees Efland Layout:C2.2 ENTRANCE OPTION 2 August 06, 2020 05:17:32pm K:\RAL_LDEV\013284003_Buc-ees_Efland\06_CAD Files\PlanSheets\C2.2 ENTRANCE OPTION 2.dwg
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ENVIRONMENTAL FEATURES LEGEND

- PROPERTY AND RIGHT OF WAY LINE
- EXISTING STREAM
- EXISTING POND
- EXISTING RAILROAD
- PROPOSED STORMWATER MANAGEMENT FACILITY
- WETLAND AREAS
- NEUSE RIVER BUFFER ZONE 1
- NEUSE RIVER BUFFER ZONE 2
- ORANGE COUNTY BUFFER ZONE

NOTES:
1. ALL PROPOSED STORMWATER FACILITIES ARE CONCEPTUAL AND SUBJECT TO CHANGE.
2. WETLAND, STREAM, AND OPEN WATER FEATURES HAVE NOT BEEN CONFIRMED BY USACE OR NCDWR AND ARE INTENDED FOR SITE PLANNING PURPOSES. A JURISDICTIONAL DETERMINATION FROM THE USACE IS IN PROGRESS AND WILL BE RECEIVED PRIOR TO PERMITTING.

NORTH

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0 100 200 400

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ENVIRONMENTAL FEATURES MAP

BEAVER CROSSING MASTER PLAN

ORANGE COUNTY NORTH CAROLINA

SHEET NUMBER
C3.0

Plotted By: Vinter, Rebecca Sheet Set: Buc-ees Efland Layout: C3.0 ENVIRONMENTAL FEATURES MAP August 06, 2020 06:10:54pm K:\RAL_LDEV\013284003_Buc-ees_Efland\CAD Files\PlanSheets\C3.0 ENVIRONMENTAL FEATURES MAP.dwg
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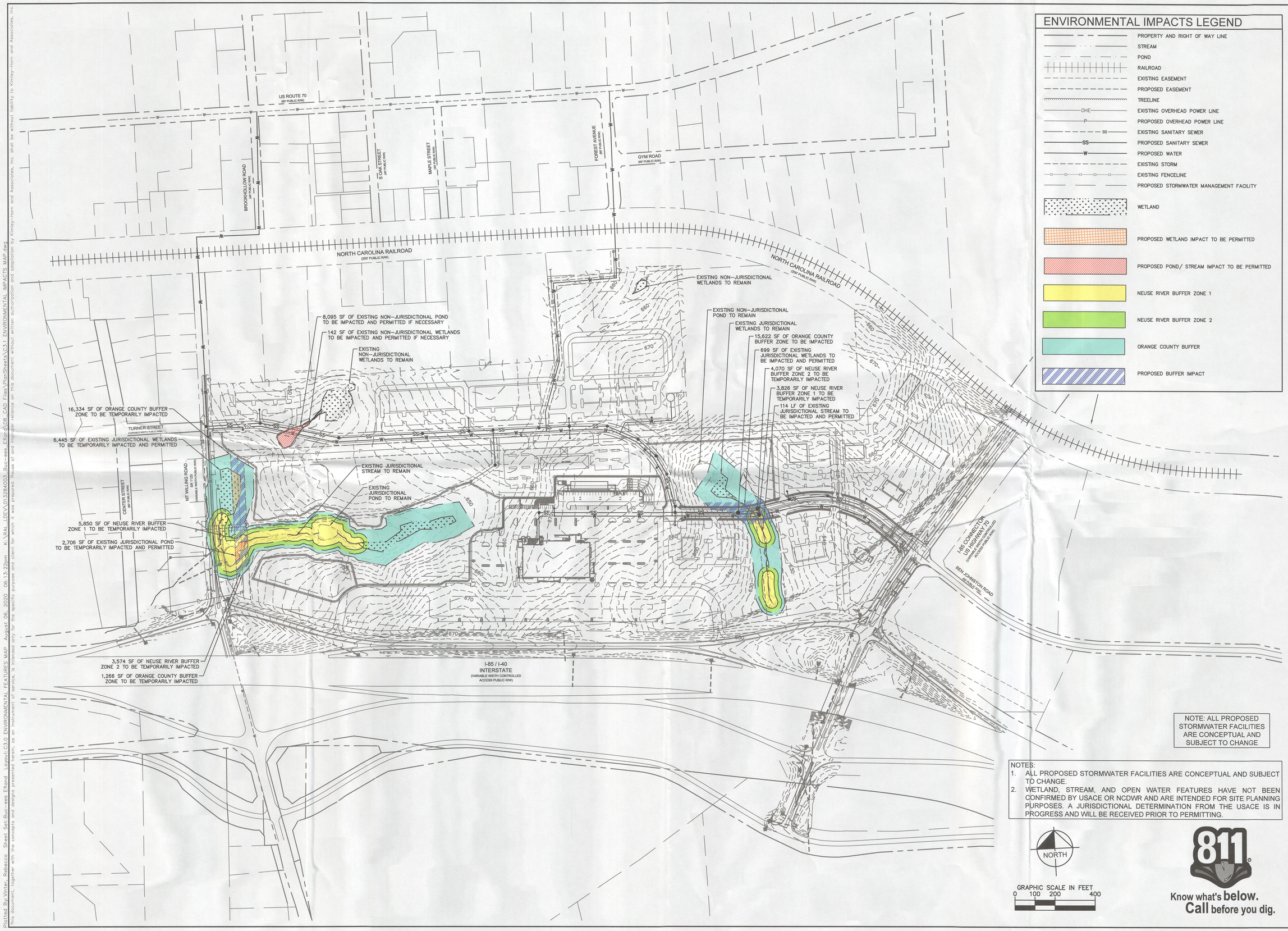

ENVIRONMENTAL IMPACTS LEGEND

- PROPERTY AND RIGHT OF WAY LINE
- STREAM
- POND
- RAILROAD
- EXISTING EASEMENT
- PROPOSED EASEMENT
- TREELINE
- EXISTING OVERHEAD POWER LINE
- PROPOSED OVERHEAD POWER LINE
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- PROPOSED WATER
- EXISTING STORM
- EXISTING FENCELINE
- PROPOSED STORMWATER MANAGEMENT FACILITY
- WETLAND
- PROPOSED WETLAND IMPACT TO BE PERMITTED
- PROPOSED POND/ STREAM IMPACT TO BE PERMITTED
- NEUSE RIVER BUFFER ZONE 1
- NEUSE RIVER BUFFER ZONE 2
- ORANGE COUNTY BUFFER
- PROPOSED BUFFER IMPACT

NOTE: ALL PROPOSED STORMWATER FACILITIES ARE CONCEPTUAL AND SUBJECT TO CHANGE

NOTES:
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ENVIRONMENTAL IMPACTS MAP

BEAVER CROSSING MASTER PLAN

NORTH CAROLINA
ORANGE COUNTY

SHEET NUMBER
C3.1

Plotted By:Vinter Rebecca Sheet Set:Buc-ees Efland Layout:C3.0 ENVIRONMENTAL FEATURES MAP August 06, 2020 06:13:22pm K:\RAL_LDEV\013284003_Buc-ees_Efland\06_CAD Files\PlanSheets\C3.1 ENVIRONMENTAL IMPACTS MAP.dwg
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PROPOSED CONNECTION TO EXISTING 12" WATERLINE

US ROUTE 70 (80' PUBLIC R/W)

EXISTING 12" WATERLINE

APPROXIMATE LOCATION OF EXISTING 6" WATERLINE TO BE UPGRADED TO 12" WATERLINE

APPROXIMATE LOCATION OF EXISTING 6" WATERLINE TO BE UPGRADED TO 12" WATERLINE

BROOKHOLLOW ROAD (40' PUBLIC R/W)

S OAK STREET (40' PUBLIC R/W)

MAPLE STREET (40' PUBLIC R/W)

FOREST AVENUE (60' PUBLIC R/W)

GYM ROAD (60' PUBLIC R/W)

NORTH CAROLINA RAILROAD (200' PUBLIC R/W)

NORTH CAROLINA RAILROAD (200' PUBLIC R/W)

PROPOSED UTILITY EASEMENT TO BE DETERMINED DURING THE SITE PLAN PROCESS

EXISTING 12" PVC SANITARY SEWER TO REMAIN

PROPOSED SANITARY SEWER STUB

PROPOSED SANITARY SEWER STUB

PROPOSED UTILITY/ WATER TOWER

PROPOSED SANITARY SEWER PIPE

TURNER STREET (VARIABLE WIDTH PUBLIC R/W)

CENTER STREET (60' PUBLIC R/W)

MT WILLING ROAD SR 1120 (VARIABLE WIDTH PUBLIC R/W)

PROPOSED WATERLINE

PROPOSED FIRE HYDRANT (TYP.)

RELOCATED SANITARY SEWER AND EASEMENT

EXISTING 12" PVC SANITARY SEWER TO REMAIN

EXISTING UTILITY EASEMENT

PROPOSED SANITARY SEWER STUB

I-85 CONNECTOR US HIGHWAY 70 (VARIABLE WIDTH CONTROLLED ACCESS PUBLIC R/W)

BEN JOHNSTON ROAD (60' PUBLIC R/W)

PROPOSED SANITARY SEWER MANHOLE

APPROXIMATE LOCATION OF EXISTING 6" WATERLINE TO BE UPGRADED TO 12" WATERLINE

PROPOSED CONNECTION TO EXISTING POWER LINE (FINAL DESIGN AND LOCATION TO BE DETERMINED BY DUKE ENERGY)

I-85 / I-40 INTERSTATE (VARIABLE WIDTH CONTROLLED ACCESS PUBLIC R/W)

PROPOSED SANITARY SEWER STUB

PROPOSED WATERLINE

EXISTING 12" WATERLINE

PROPOSED UTILITY EASEMENT

PROPOSED CONNECTION TO EXISTING POWER LINE (FINAL DESIGN AND LOCATION TO BE DETERMINED BY DUKE ENERGY)

UTILITY LEGEND

- PROPERTY LINE
- EXISTING STREAM
- EXISTING POND
- RAILROAD
- RIGHT OF WAY
- EXISTING EASEMENT
- PROPOSED EASEMENT
- TREELINE
- EXISTING OVERHEAD POWER LINE
- PROPOSED OVERHEAD POWER LINE
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- EXISTING WATERLINE
- PROPOSED WATERLINE
- EXISTING STORM
- EXISTING FENCELINE
- PROPOSED STORMWATER MANAGEMENT FACILITY
- EXISTING WATERLINE TO BE UPGRADED
- WETLAND AREAS

NOTE: ALL UTILITY CONNECTION POINTS AND ALIGNMENTS ARE CONCEPTUAL AND SUBJECT TO CHANGE DURING FINAL DESIGN.

NORTH

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0 100 200 400

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WATER AND SEWER MAP

BEAVER CROSSING MASTER PLAN

NORTH CAROLINA
ORANGE COUNTY

SHEET NUMBER
C4.0

Plotted By: Vinter, Rebecca Sheet Set: Buc-ees Efland Layout: C4.0 WATER AND SEWER MAP August 05, 2020 05:20:21pm K:\RAL_LDEV\013284003_Buc-ees_Efland\08_CAD Files\PlanSheets\C4.0 WATER AND SEWER MAP.dwg
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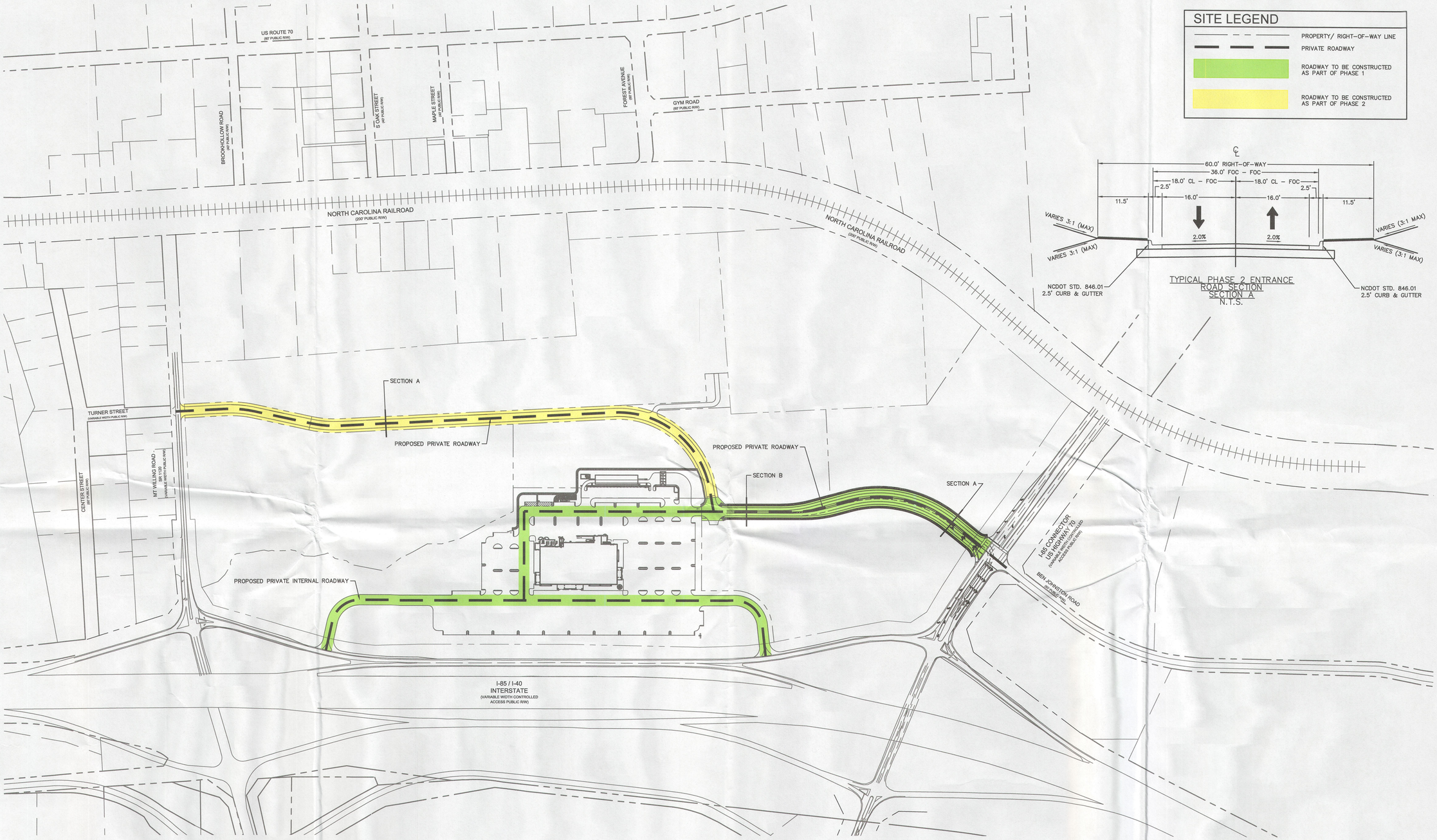
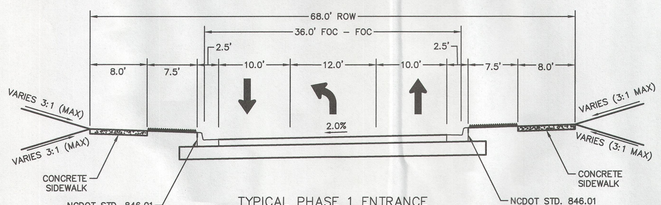


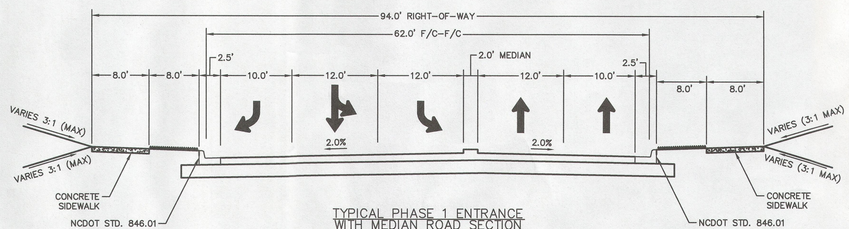
SITE LEGEND

- PROPERTY/ RIGHT-OF-WAY LINE
- PRIVATE ROADWAY
- ROADWAY TO BE CONSTRUCTED AS PART OF PHASE 1
- ROADWAY TO BE CONSTRUCTED AS PART OF PHASE 2

TYPICAL PHASE 2 ENTRANCE
ROAD SECTION
SECTION A
N.T.S.



TYPICAL PHASE 1 ENTRANCE
ROAD SECTION
SECTION B
N.T.S.



TYPICAL PHASE 1 ENTRANCE
WITH MEDIAN ROAD SECTION
SECTION C
N.T.S.

NOTE: ALL PROPOSED INTERNAL ROADWAYS ARE TO BE PRIVATE.

ALL PROPOSED OFF-SITE TRAFFIC AND ROADWAY IMPROVEMENTS ARE CONTINGENT UPON NCDOT APPROVAL.

NORTH

GRAPHIC SCALE IN FEET
0 100 200 400

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INTERNAL ROADWAYS MAP

BEAVER CROSSING MASTER PLAN

NORTH CAROLINA
ORANGE COUNTY

SHEET NUMBER
C5.0

Plotted By: Vinter, Rebecca Sheet Set: Buc-ees_Efland Layout: C5.0 INTERNAL ROADWAYS MAP August 06, 2020 05:21:19pm K:\RAL_LDEV\013284003_Buc-ees_Efland\08_CAD Files\PlanSheets\C5.0 INTERNAL ROADWAYS MAP.dwg
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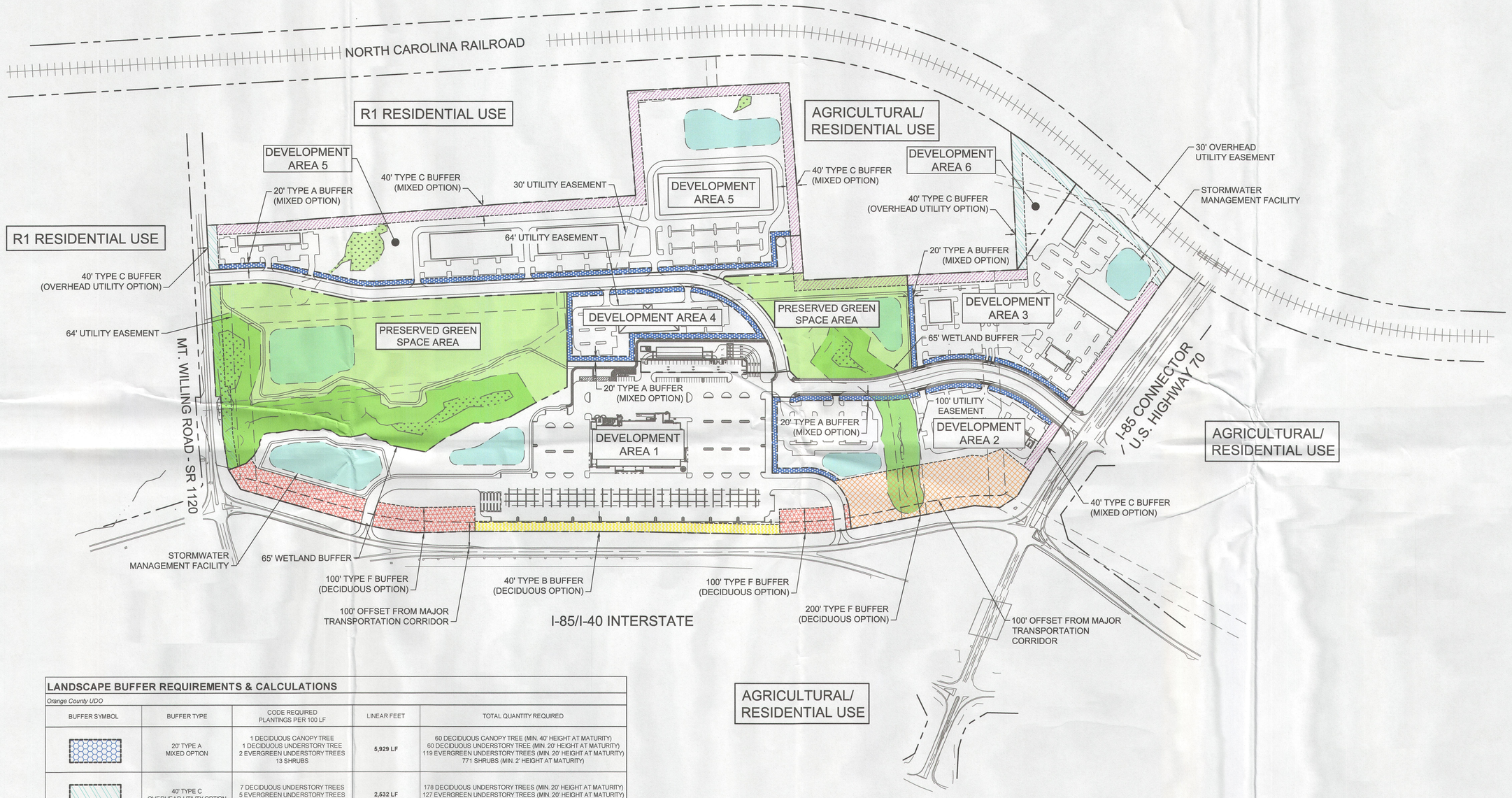

LANDSCAPE BUFFER REQUIREMENTS & CALCULATIONS

Orange County UDO

BUFFER SYMBOL	BUFFER TYPE	CODE REQUIRED PLANTINGS PER 100 LF	LINEAR FEET	TOTAL QUANTITY REQUIRED
	20' TYPE A MIXED OPTION	1 DECIDUOUS CANOPY TREE 1 DECIDUOUS UNDERSTORY TREE 2 EVERGREEN UNDERSTORY TREES 13 SHRUBS	**5,929 LF**	60 DECIDUOUS CANOPY TREE (MIN. 40' HEIGHT AT MATURITY) 60 DECIDUOUS UNDERSTORY TREE (MIN. 20' HEIGHT AT MATURITY) 119 EVERGREEN UNDERSTORY TREES (MIN. 20' HEIGHT AT MATURITY) 771 SHRUBS (MIN. 2' HEIGHT AT MATURITY)
	40' TYPE C OVERHEAD UTILITY OPTION	7 DECIDUOUS UNDERSTORY TREES 5 EVERGREEN UNDERSTORY TREES 30 SHRUBS	**2,532 LF**	178 DECIDUOUS UNDERSTORY TREES (MIN. 20' HEIGHT AT MATURITY) 127 EVERGREEN UNDERSTORY TREES (MIN. 20' HEIGHT AT MATURITY) 760 SHRUBS (MIN. 2' HEIGHT AT MATURITY)
	40' TYPE C MIXED OPTION	3 DECIDUOUS CANOPY TREES 1 EVERGREEN CANOPY TREE 2 DECIDUOUS UNDERSTORY TREES 5 EVERGREEN UNDERSTORY TREES 40 SHRUBS	**5,241 LF**	158 DECIDUOUS CANOPY TREES (MIN. 40' HEIGHT AT MATURITY) 53 EVERGREEN CANOPY TREE (MIN. 40' HEIGHT AT MATURITY) 105 DECIDUOUS UNDERSTORY TREES (MIN. 20' HEIGHT AT MATURITY) 262 EVERGREEN UNDERSTORY TREES (MIN. 20' HEIGHT AT MATURITY) 2,097 SHRUBS (MIN. 2' HEIGHT AT MATURITY)
	40' TYPE B DECIDUOUS OPTION	2 DECIDUOUS CANOPY TREES 2 DECIDUOUS UNDERSTORY TREES 12 SHRUBS	**1,219 LF**	25 DECIDUOUS CANOPY TREES (MIN. 40' HEIGHT AT MATURITY) 25 DECIDUOUS UNDERSTORY TREES (MIN. 20' HEIGHT AT MATURITY) 147 SHRUBS (MIN. 2' HEIGHT AT MATURITY)
	100' TYPE F DECIDUOUS OPTION	10 DECIDUOUS CANOPY TREES 13 DECIDUOUS UNDERSTORY TREES 80 SHRUBS	**1,132 LF**	114 DECIDUOUS CANOPY TREES (MIN. 40' HEIGHT AT MATURITY) 148 DECIDUOUS UNDERSTORY TREES (MIN. 20' HEIGHT AT MATURITY) 906 SHRUBS (MIN. 2' HEIGHT AT MATURITY)
	200' TYPE F DECIDUOUS OPTION	10 DECIDUOUS CANOPY TREES 13 DECIDUOUS UNDERSTORY TREES 80 SHRUBS	**746 LF**	75 DECIDUOUS CANOPY TREES (MIN. 40' HEIGHT AT MATURITY) 97 DECIDUOUS UNDERSTORY TREES (MIN. 20' HEIGHT AT MATURITY) 597 SHRUBS (MIN. 2' HEIGHT AT MATURITY)

LEGEND

- PRESERVED GREEN SPACE AREA
- WETLAND BUFFER
- STORMWATER MANAGEMENT FACILITY

I-40 VARIABLE WIDTH BUFFER CALCULATION

REQUIRED: 100' x 3,097 LF = **309,700 SF**

PROPOSED: (200' x 746 LF) + (100' x 1,132 LF) + (40' x 1,219 LF) = **311,160 SF**

NORTH

GRAPHIC SCALE IN FEET
0 100 200 400

811 Know what's **below.** **Call** before you dig.

No.	REVISIONS	DATE	BY

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

PROGRESS SUBMITTAL
NOT FOR CONSTRUCTION

KHA PROJECT 013284003
DATE 08/07/2020
SCALE AS SHOWN
DESIGNED BY AWF
DRAWN BY AWF
CHECKED BY MKB

LANDSCAPE BUFFER PLAN

BEAVER CROSSING MASTER PLAN

ORANGE COUNTY NORTH CAROLINA

SHEET NUMBER C6.0

Plotted By: Vinter, Rebecca Sheet Set: Bus~ess Efond Layout: C6.0 LANDSCAPE BUFFER PLAN August 06, 2020 07:12:56pm K:\RAL_LDEV\013284003_Bus~ess_Efond\08_CAD Files\PlanSheets\C6.0 LANDSCAPE BUFFER PLAN.dwg
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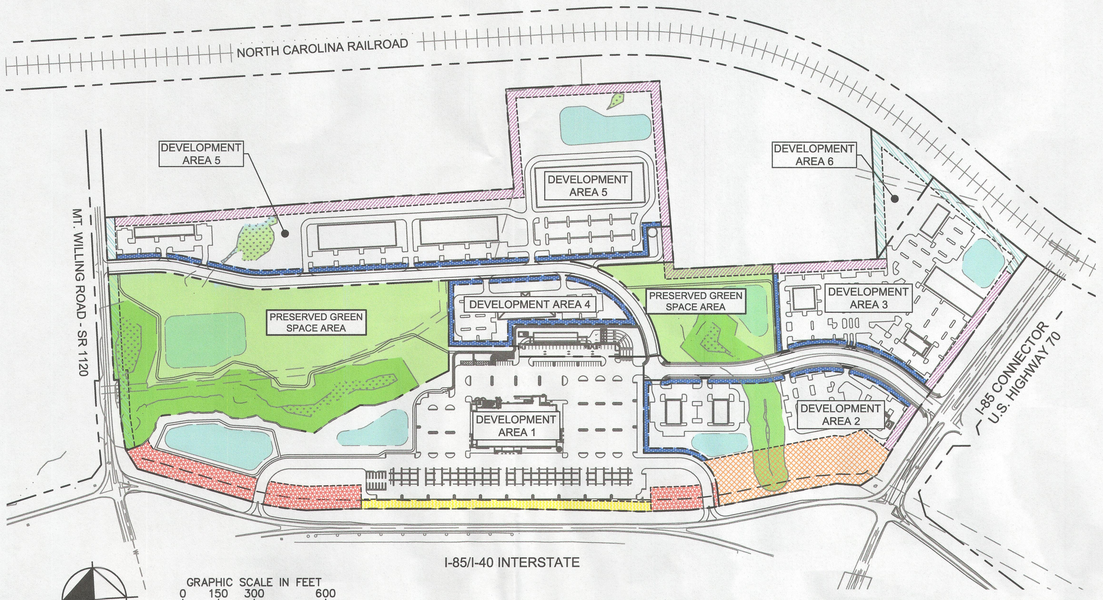
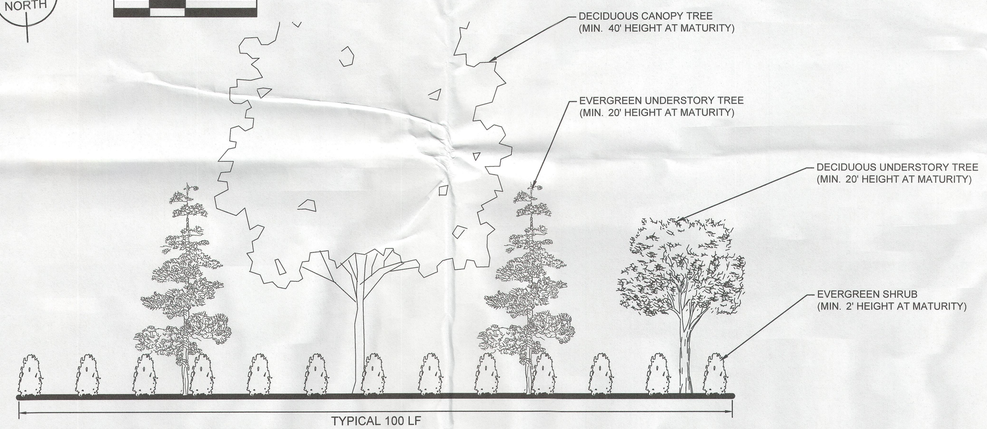
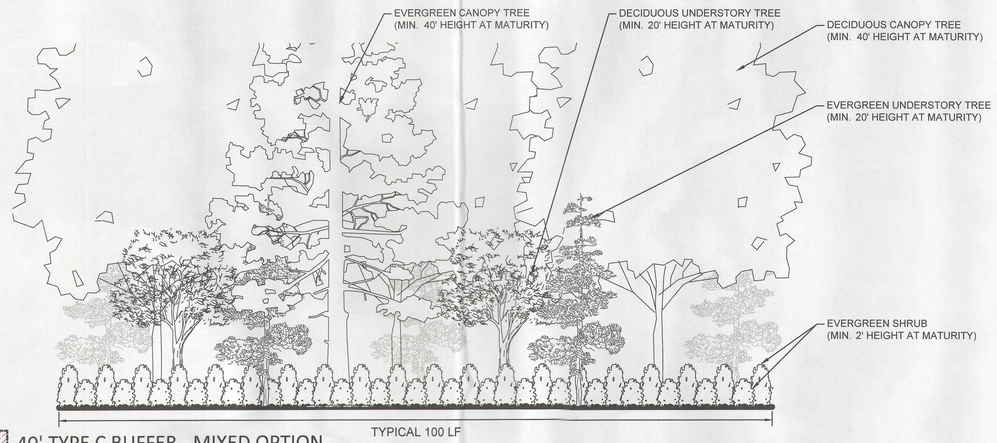
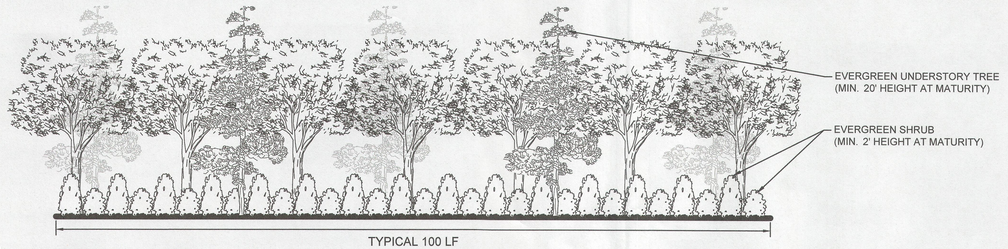




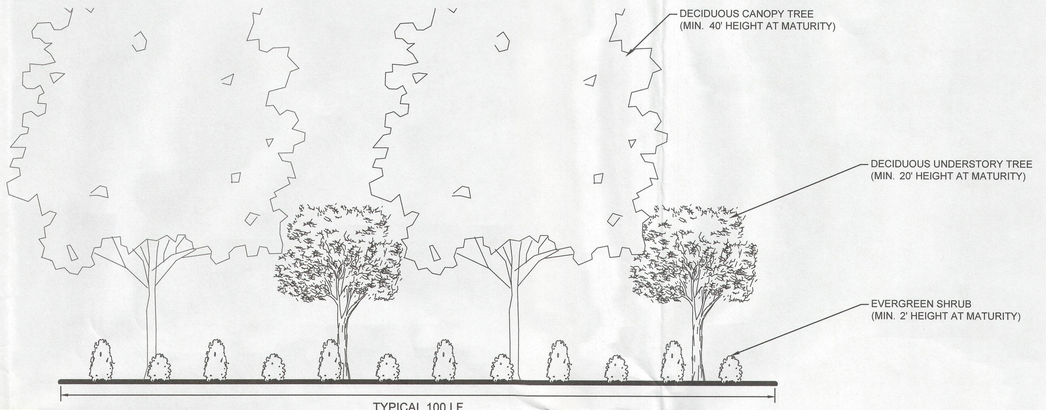
20' TYPE A BUFFER - MIXED OPTION
SCALE: 1" = 10'-0" SEE SHEET C6.0 FOR PLANTING CALCULATIONS ELEVATION



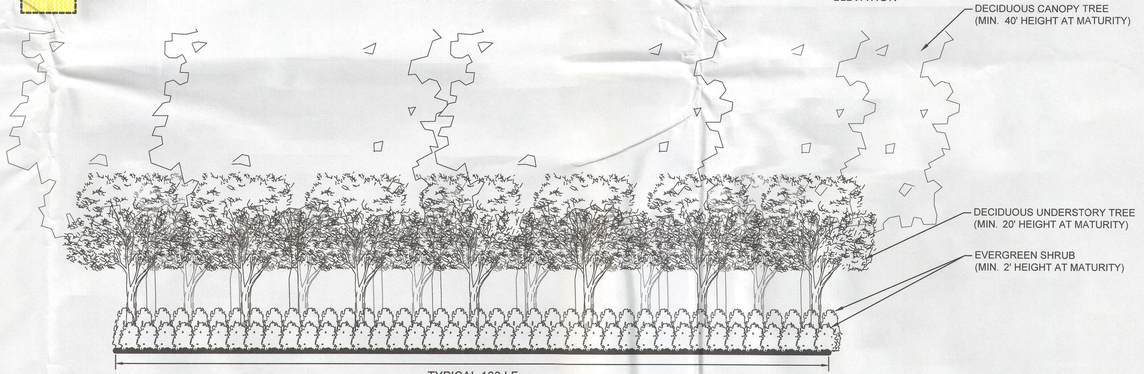
40' TYPE C BUFFER - MIXED OPTION
SCALE: 1" = 10'-0" SEE SHEET C6.0 FOR PLANTING CALCULATIONS ELEVATION



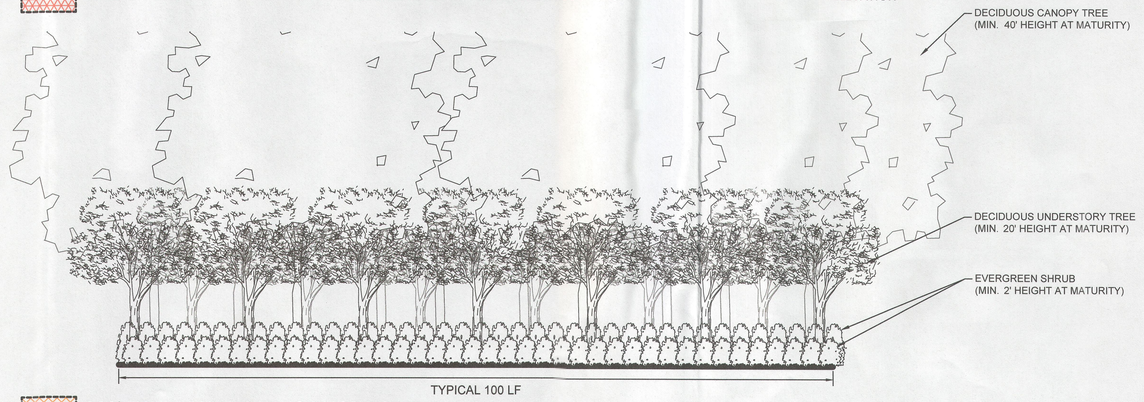
40' TYPE C BUFFER - OVERHEAD UTILITY OPTION
SCALE: 1" = 10'-0" SEE SHEET C6.0 FOR PLANTING CALCULATIONS ELEVATION



40' TYPE B BUFFER - DECIDUOUS OPTION
SCALE: 1" = 10'-0" SEE SHEET C6.0 FOR PLANTING CALCULATIONS ELEVATION



100' TYPE F BUFFER - DECIDUOUS OPTION
SCALE: 1" = 10'-0" SEE SHEET C6.0 FOR PLANTING CALCULATIONS ELEVATION



200' TYPE F BUFFER - DECIDUOUS OPTION
SCALE: 1" = 10'-0" SEE SHEET C6.0 FOR PLANTING CALCULATIONS ELEVATION

No.	REVISIONS	DATE	BY

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PROGRESS SUBMITTAL
NOT FOR CONSTRUCTION

KHA PROJECT	013284003
DATE	08/07/2020
SCALE	AS SHOWN
DESIGNED BY	AWF
DRAWN BY	AWF
CHECKED BY	MKB

LANDSCAPE BUFFER ELEVATIONS

BEAVER CROSSING MASTER PLAN

NORTH CAROLINA
ORANGE COUNTY

SHEET NUMBER
C6.1

Plotted By:Vinter, Rebecca Sheet Set:Buc-ees Efland Layout:C6.0 LANDSCAPE BUFFER PLAN August 06, 2020 07:14:12pm K:\RAL_LDEV\013284003_Buc-ees_Efland\08_CAD Files\PlanSheets\C6.1 LANDSCAPE BUFFER ELEVATIONS.dwg
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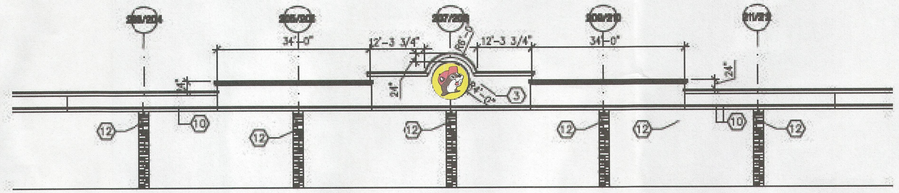
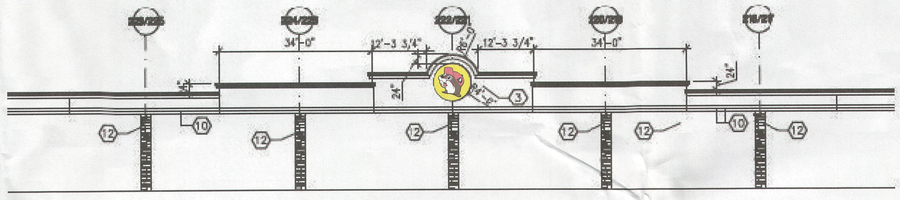


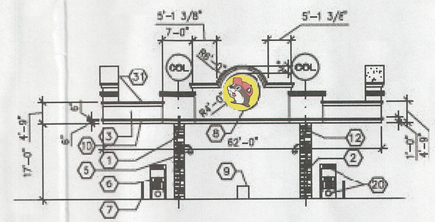
1 A3.0.1 **FUEL CANOPY NORTH ELEVATION**

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



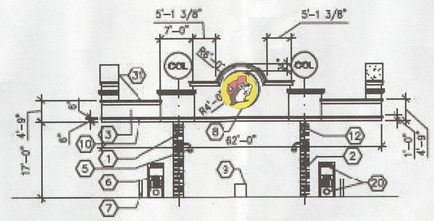
1 A3.0.1 **FUEL CANOPY SOUTH ELEVATION**

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



8 A3.0.1 **FUEL CANOPY WEST ELEVATION**

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

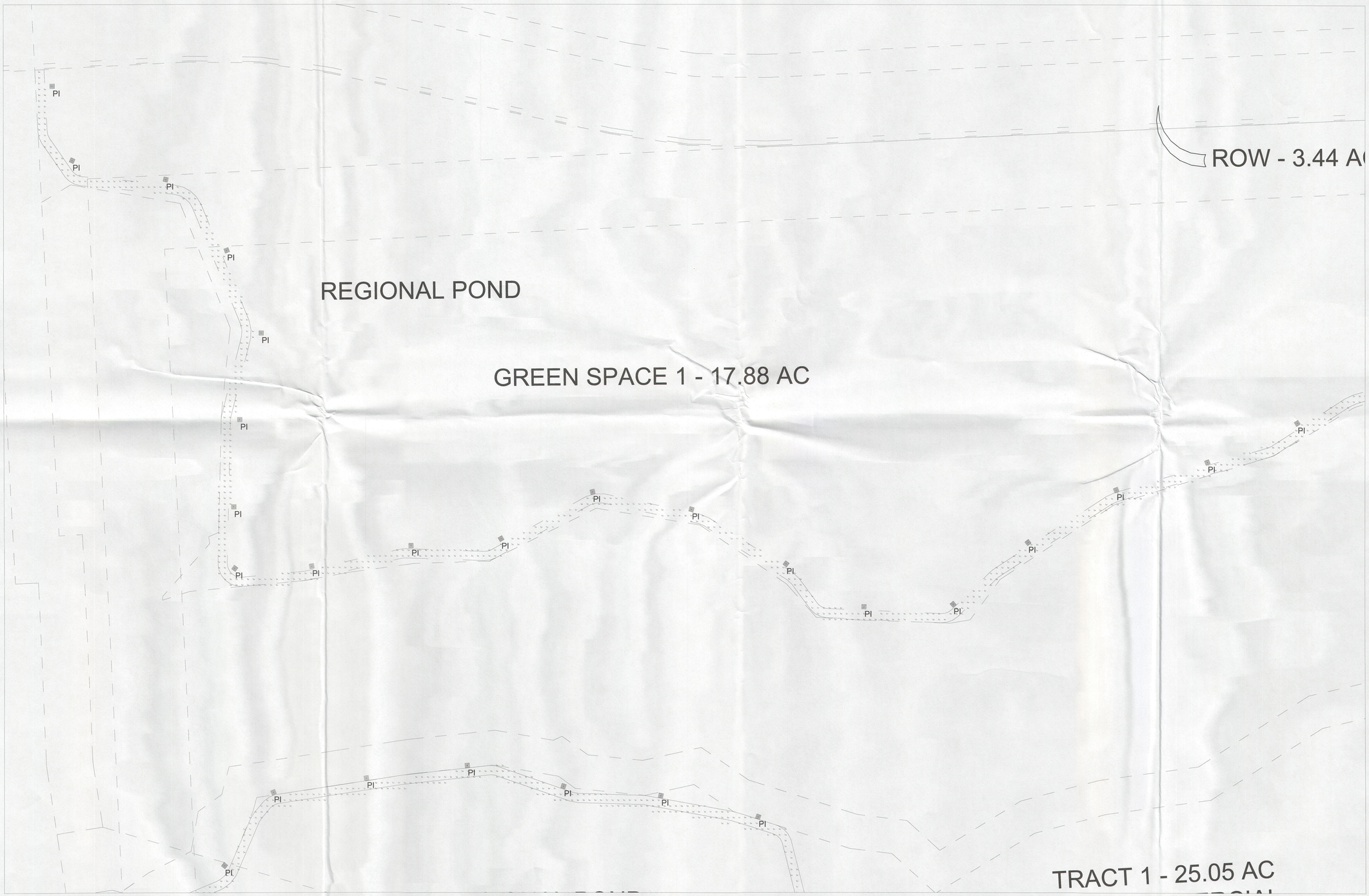


7 A3.0.1 **FUEL CANOPY EAST ELEVATION**

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

Based on the information provided, all dimensions and luminaire locations shown represent recommended positions. The engineer and/or architect must determine the applicability of the layout to existing or future field conditions.

This lighting plan represents illumination levels calculated from laboratory data taken under controlled conditions in accordance with The Illuminating Engineering Society (IES) approved methods. Actual performance of any manufacturer's luminaires may vary due to changes in electrical voltage, tolerance in lamps/LED's and other variable field conditions. Calculations do not include obstructions such as buildings, curbs, landscaping, or any other architectural elements unless noted. Fixture nomenclature noted does not include mounting hardware or poles. This drawing is for photometric evaluation purposes only and should not be used as a construction document or as a final document for ordering product.



RCI
Rice-Christ, Inc.
Manufacturer's Representative

JOB NO.
RCI-0115

JOB NAME
BUC-EES
EFLAND, NC

DESIGNER: LLS | DATE: 8/5/20 | SHEET 1 OF 7

SCALE: 1" : 40' 0 40

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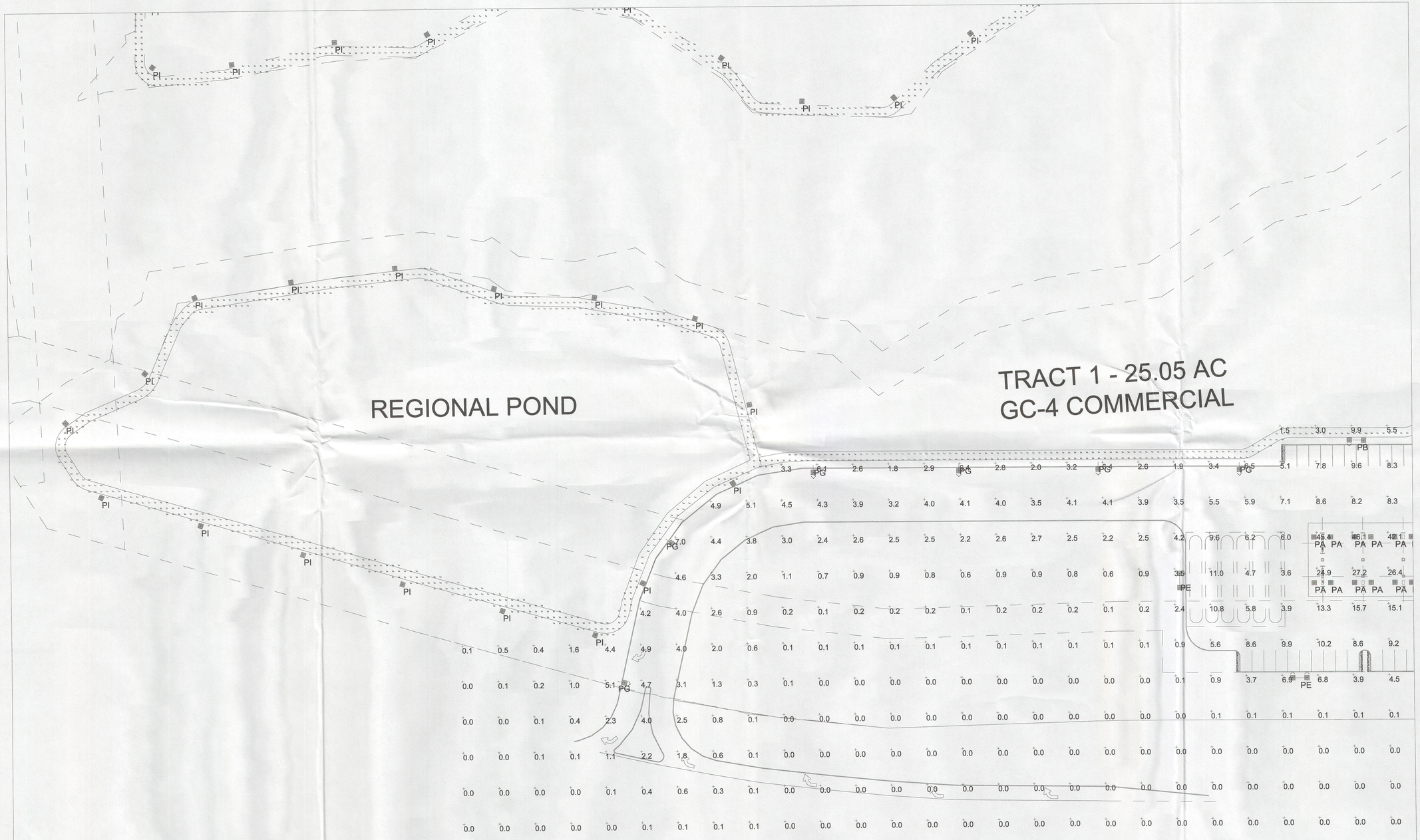

RCI
Rice-Christ, Inc.
Manufacturer's Representative

JOB NO.
RCI-0115

JOB NAME
BUC-EES
EFLAND, NC

DESIGNER: LLS | DATE:8/5/20 | SHEET 2 OF 7

SCALE: 1" : 40'

0 40

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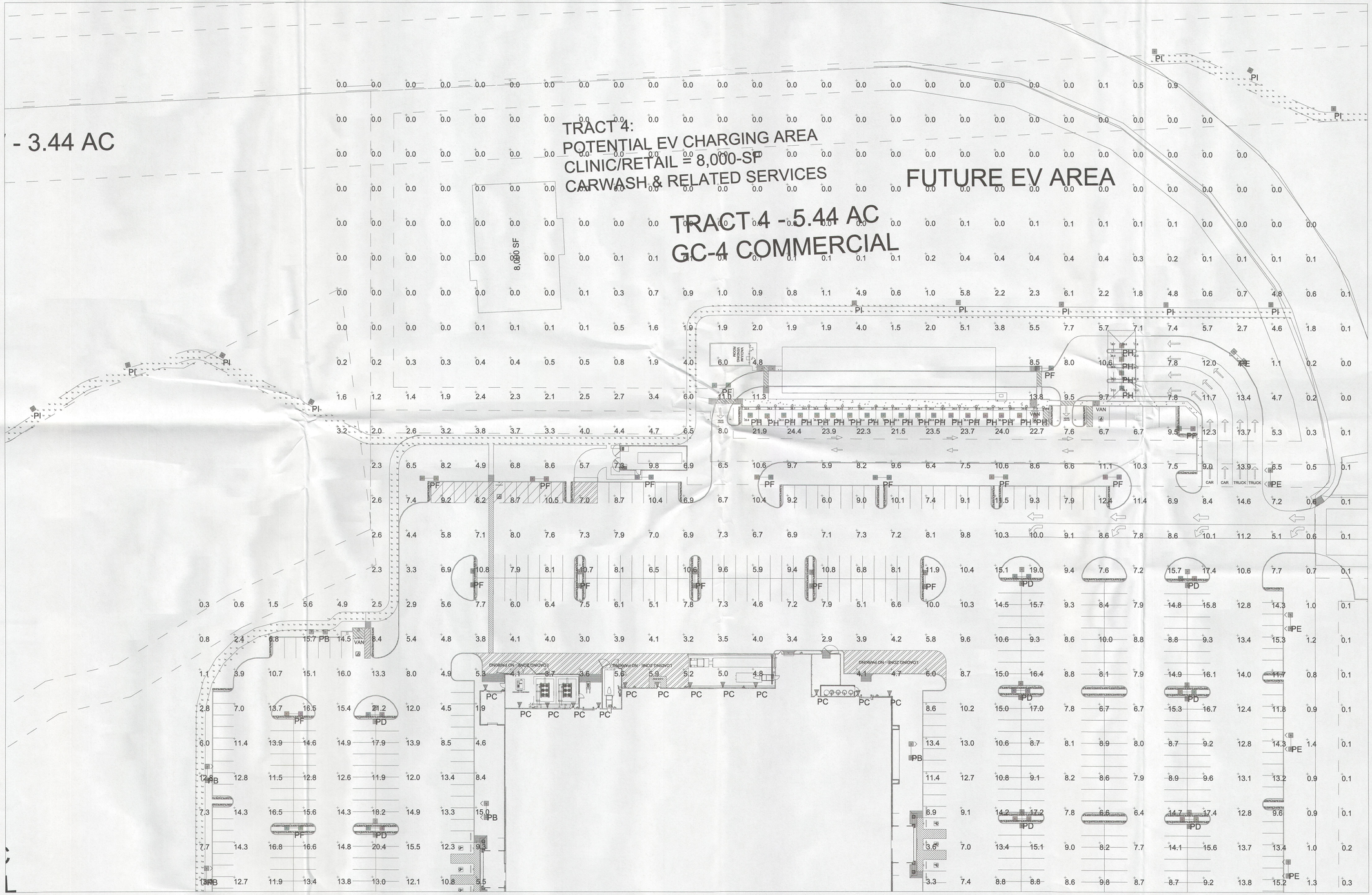

RCI
Rice-Christ, Inc.
Manufacturer's Representative

JOB NO.
RCI-0115

JOB NAME
BUC-EES
EFLAND, NC

DESIGNER LLS | DATE: 8/5/20 | SHEET 3 OF 7

SCALE: 1" : 40' 0 40

Based on the information provided, all dimensions and luminaire locations shown represent recommended positions. The engineer and/or architect must determine the applicability of the layout to existing or future field conditions.

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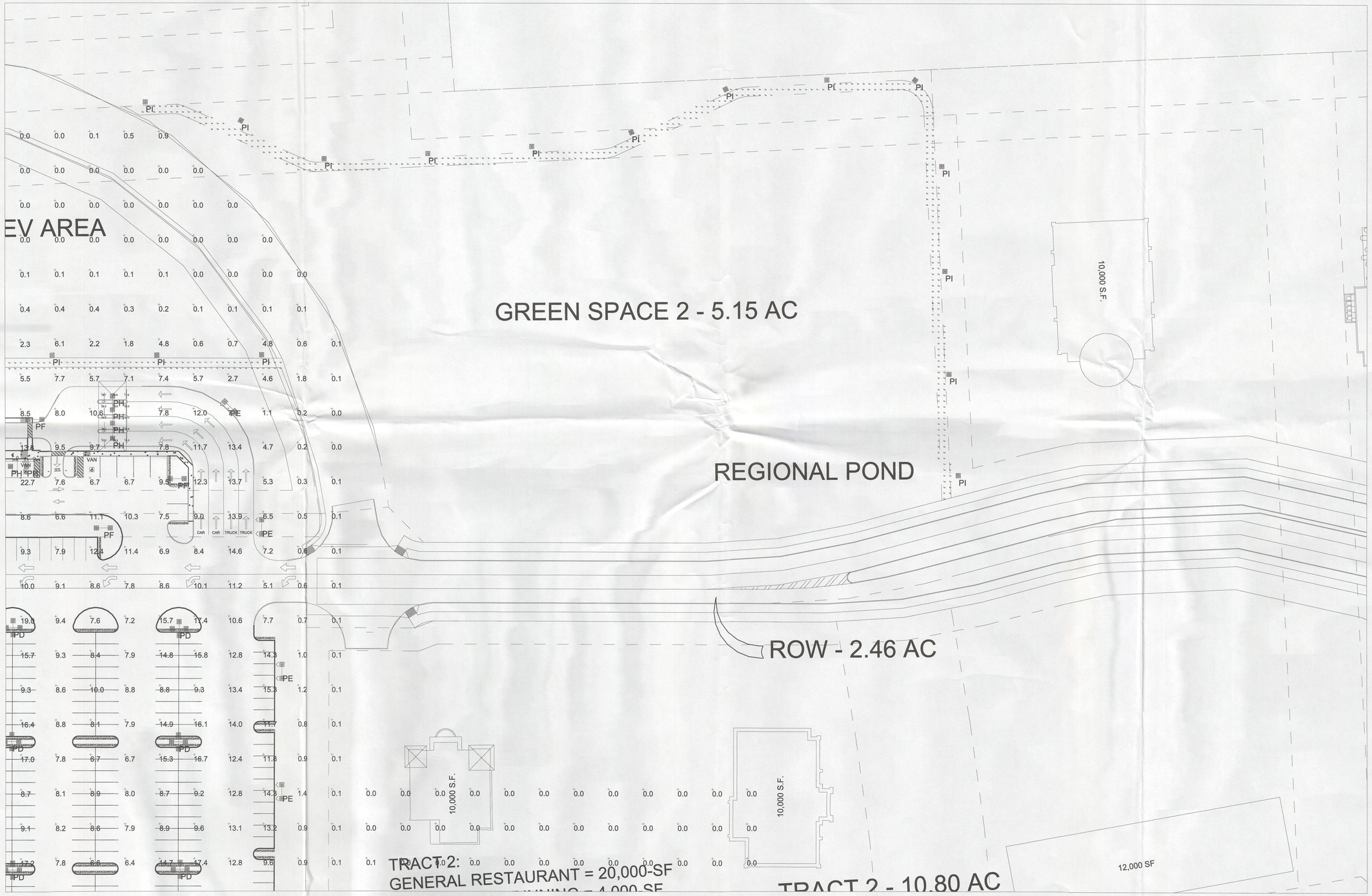

RCI
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Manufacturer's Representative

JOB NO.
RCI-0115

JOB NAME
BUC-EES
EFLAND, NC

DESIGNER: LLS | DATE: 8/5/20 | SHEET 4 OF 7

SCALE: 1" : 40' 0 40

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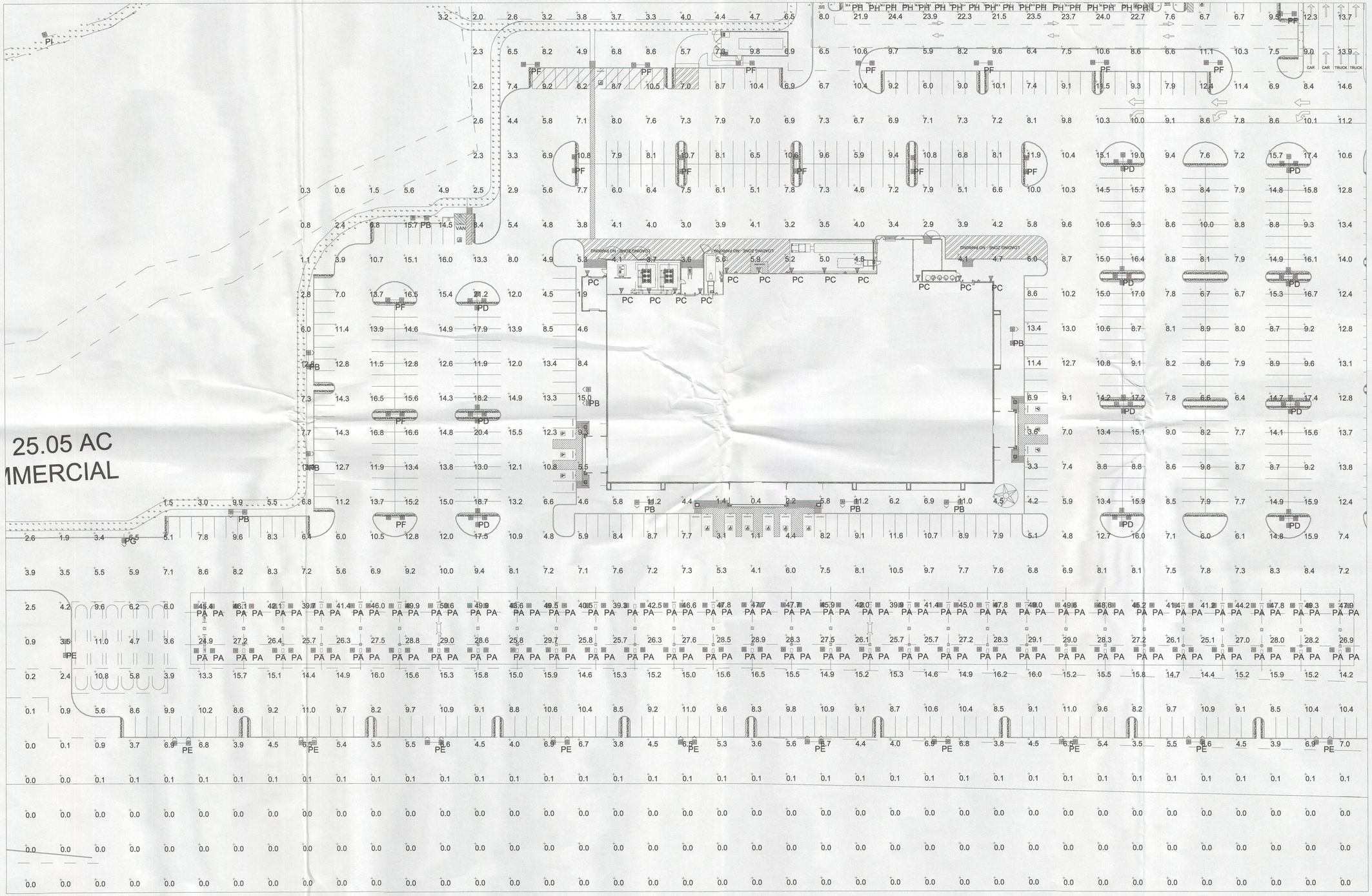

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Manufacturer's Representative

JOB NO.
RCI-0115

JOB NAME
BUC-EES
EFLAND, NC

DESIGNER: LLB | DATE: 8/5/20 | SHEET 5 OF 7

SCALE: 1" : 40' 0 40

Based on the information provided, all dimensions and luminaire locations shown represent recommended positions. The engineer and/or architect must determine the applicability of the layout to existing or future field conditions.

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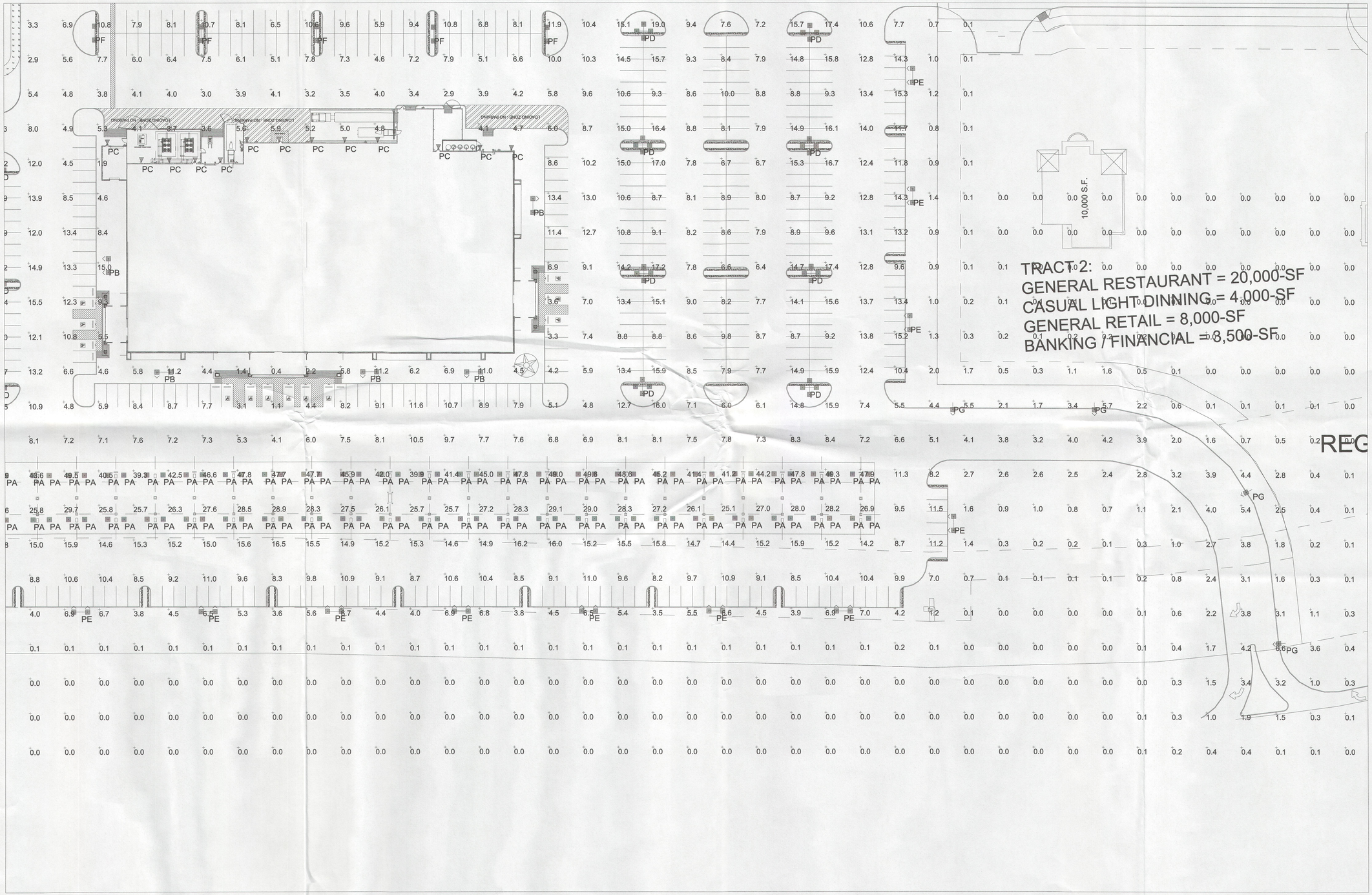

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Manufacturer's Representative

JOB NO.
RCI-0115

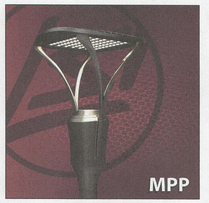
JOB NAME
BUC-EES
EFLAND, NC

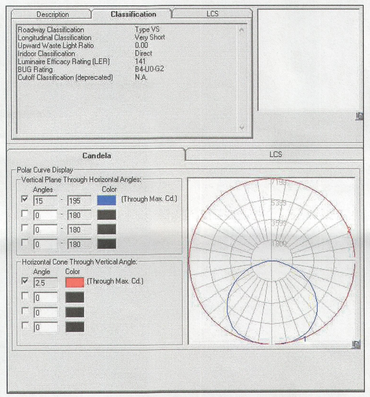
DESIGNER:LLS | DATE: LLS | SHEET 6 OF 7

SCALE: 1" : 40'

Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Description	LLF	Total Watts
	120	PA	SINGLE	CRUS-SC-LED-VHO-50 UE WHT - 15' MH	1.000	19092
	9	PB	D180° 2RTD	SLM-LED-42L-SIL-(1)-FT-L ; (1) FT-R-50-70CRI-D180 ON 27' POLE + 2.5' BASE	1.000	7081.2
	13	PC	SINGLE	XPWS3-FT-LED-48-450-CW-UE - 10' MH	1.000	936
	11	PD	4 @ 90 DEGREES	SLM-LED-36L-SIL-5W-50-70CRI-QUAD ON 27' POLE + 2.5' BASE	1.000	13983.2
	17	PE	D180 RTD	SLM-LED-42L-SIL-(1)-FT-L ; (1) FT-R-50-70CRI-IL-D180 ON 27' POLE + 2.5' BASE	1.000	13375.6
	18	PF	D180°	SLM-LED-36L-SIL-5W-50-70CRI-D180 ON 27' POLE +2.5' BASE	1.000	11440.8
	10	PG	SINGLE	SLM-LED-42L-SIL-FT-50-70CRI-SINGLE ON 27' POLE + 2.5' BASE	1.000	3934
	22	PH	SINGLE	CRUS-SC-LED-SS-50 - 15' MH	1.000	2153.8
	58	PI	SINGLE	MPP-LED-10L-SIL-2-50-70CRI POST TOP - 16' MH	1.000	4234

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
ALL CALC POINTS AT GRADE	Illuminance	Fc	5.69	50.6	0.0	N.A.	N.A.
PAY CANOPY SUMMARY	Illuminance	Fc	27.05	41.5	17.6	1.54	2.36
PEDESTRIAN PATH SUMMARY	Illuminance	Fc	3.76	7.9	1.0	3.76	7.90
PEDESTRIAN PATH SUMMARY 2	Illuminance	Fc	4.17	16.5	1.1	3.79	15.00
PEDESTRIAN PATH SUMMARY 3	Illuminance	Fc	3.31	5.7	1.0	3.31	5.70
VACUUM CANOPY	Illuminance	Fc	30.92	36.6	18.9	1.64	1.94
CANOPY SUMMARY	Illuminance	Fc	36.31	50.6	24.9	1.46	2.03
PARKING AND DRIVE SUMMARY	Illuminance	Fc	11.53	36.6	0.4	28.83	91.50





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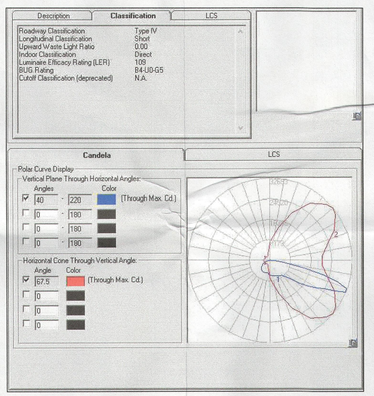

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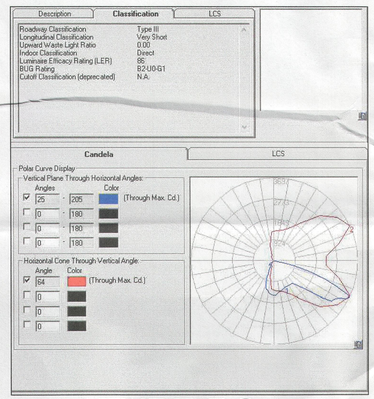
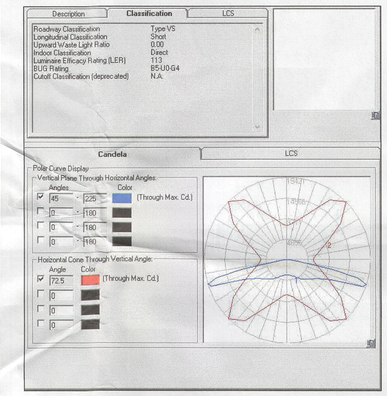


TYPE PC



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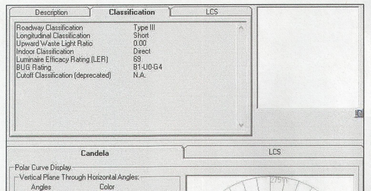

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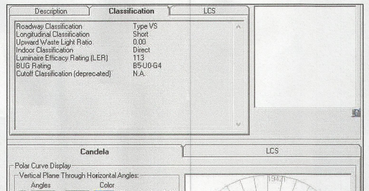

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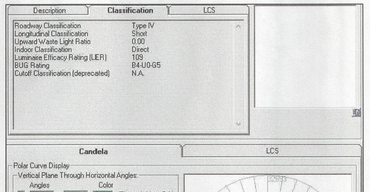

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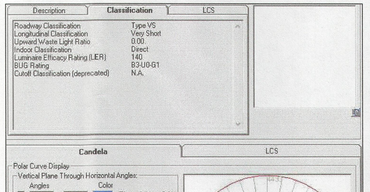

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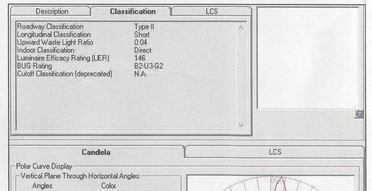

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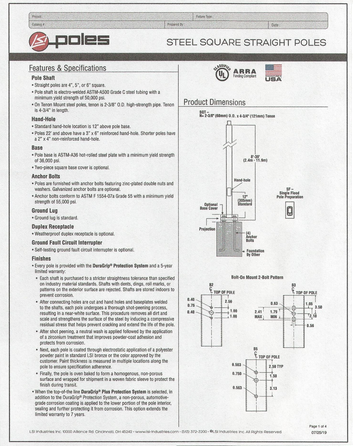

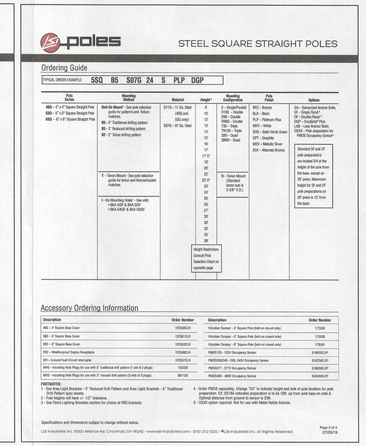

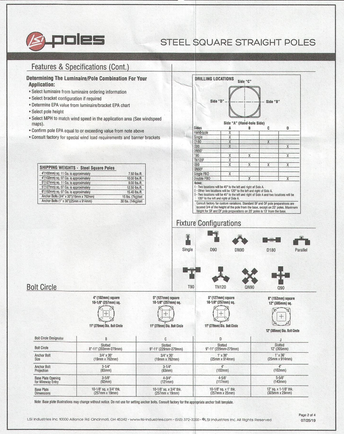

RCI
Rice-Christ, Inc.
Manufacturer's Representative

JOB NO.
RCI-0115

JOB NAME
BUC-EES
EFLAND, NC

DESIGNER: LLS | DATE: 8/5/20 | SHEET 7 OF 7

SCALE: 1" : 40' 0 40