

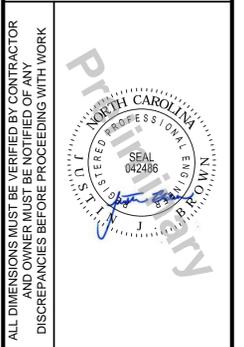
UTILITY CROSSING TABLE

CROSSING #	STORM INV. EL.	STORM TOP EL.	SAN. INV. EL.	SAN. TOP EL.	SEPARATION
UC-1	298.05	299.72	300.72		1.00 FT

MATCH LINE

MATCH LINE

Pennoni
 Firm License
 F-1287
PENNONI ASSOCIATES, INC.
 5430 Wade Park Boulevard, #106
 Raleigh, NC 27607
 T 919.929.1173 F 919.493.6548



ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK

TARHEEL LODGING REDEVELOPMENT
 1742 FORHAM BLVD.
 CHAPEL HILL, NC

UTILITY PLAN - PHASE II

TARHEEL LODGING, LLC & UNICORN GROUP FIFTEEN, LLC
 6110 FALCON BRIDGE ROAD
 CHAPEL HILL, NC 27517

NO.	DATE	REVISIONS	BY
5	05/28/2019	REV PER TOWN COMMENTS	SAK
4	04/08/2019	REV PER TOWN COMMENTS	CSB
3	06/14/2018	REV PER TOWN COMMENTS	CSB
2	07/20/2018	REV PER COMPLETENESS REVIEW	CSB
1	07/28/2018	REV PER TOWN & OVA/SA COMMENTS	CSB

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PROJECT: RKNV18001
 DATE: 2018-05-21
 DRAWING SCALE: 1" = 30'
 DRAWN BY: RLM/CSB
 APPROVED BY: JUB

CS1702

SHEET 15 OF 58

NOT FOR CONSTRUCTION

U:\Account\RKNV\RKNV18001 - Head Sht. Client\HEEDING\RKNV18001-CS-15-PLAN.dwg PLOTTED: 04/20/19 10:30 AM BY: Chaitanya S. Bhat PROJECT STATUS: PLOT STYLE: Pennoni V02.dwg

Project:

**Tarheel Lodging
Redevelopment**
Chapel Hill, North Carolina

Developer:

**Tarheel Lodging, LLC
and
Unicorn Group
Fifteen, LLC**

6110 Falconbridge Rd. ste. 200
Chapel Hill, North Carolina 27517

Sheet Title:

**Streetscape
and
Bicycle Parking
Plan**

Phase-I

No. Date: Issue Notes:

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Scale:
1"=20'-0" @ D'Size
Date:
May 28, 2019
Drawn By:
STM
Drawing No.:
na

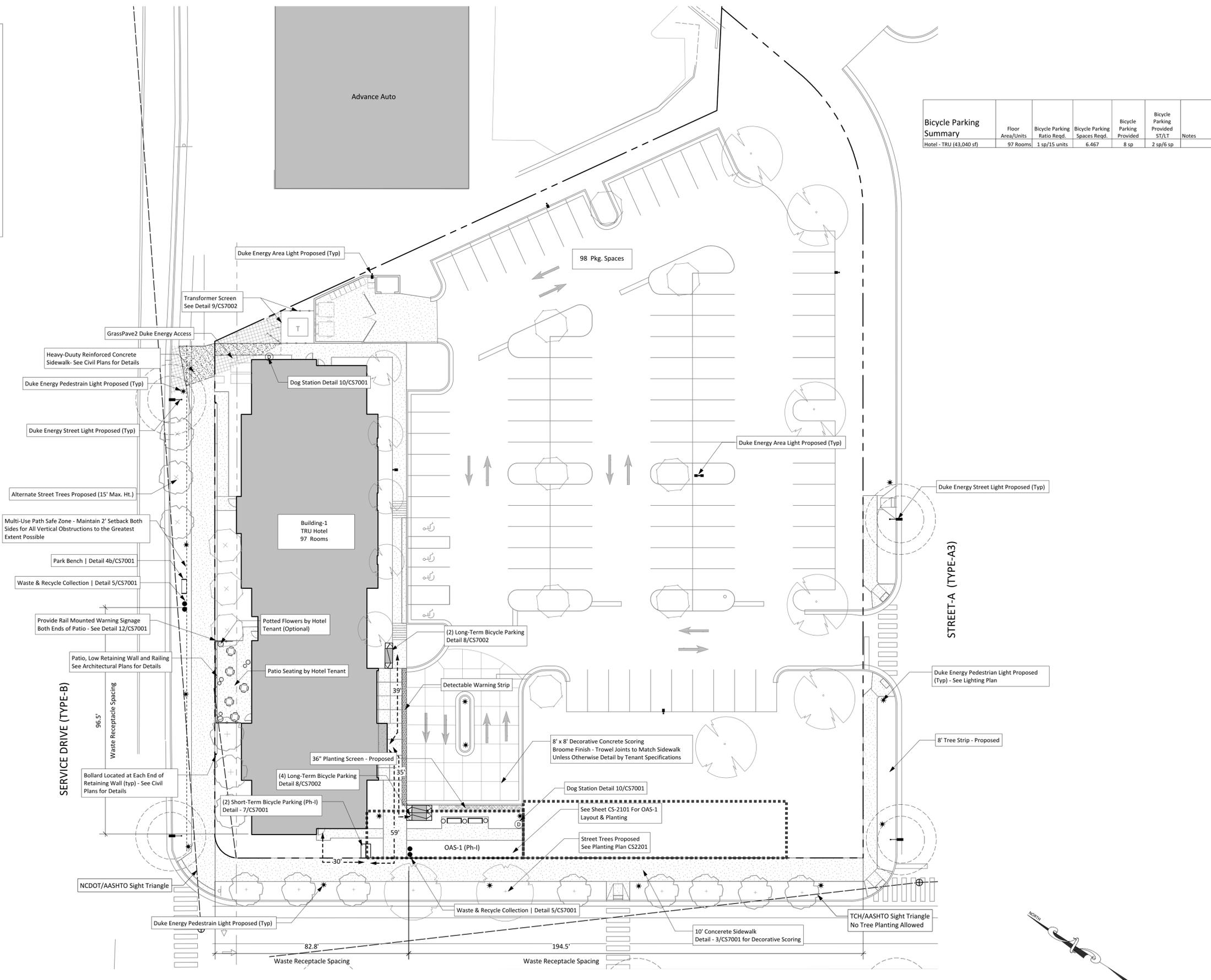
CS2001
of

LEGEND - Streetscape

- Street Light (Duke Energy)
- Pedestrian Light (Duke Energy)
- Area Light (Duke Energy)
- Bicycle Rack (Short-Term)
- Bicycle Locker (Long-Term)
- Park Bench
- Waste/Recycle Receptacles
- Planters
- Dog Station

Bicycle Parking Summary

Hotel - TRU (43,040 sf)	Floor Area/Units	Bicycle Parking Ratio Req'd.	Bicycle Parking Spaces Req'd.	Bicycle Parking Provided	Bicycle Parking Provided ST/LT	Notes
	97 Rooms	1 sp/15 units	6.467	8 sp	2 sp/6 sp	



NOVUS LANE (TYPE-A1)

STREET-A (TYPE-A3)

SERVICE DRIVE (TYPE-B)

1 STREETScape & BICYCLE PARKING PLAN | PHASE-I
1" = 20'-0"



Project:

**Tarheel Lodging
Redevelopment**
Chapel Hill, North Carolina

Developer:

**Tarheel Lodging, LLC
and
Unicorn Group
Fifteen, LLC**

6110 Falconbridge Rd. ste. 200
Chapel Hill, North Carolina 27517

Sheet Title:

**Streetscape
and
Bicycle Parking
Plan**

Phase-II

No. Date: Issue Notes:

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Scale:
1"=30'-0" @ D'Size

Date:
May 28, 2019

Drawn By:
STM

Drawing No.:
na

CS2002

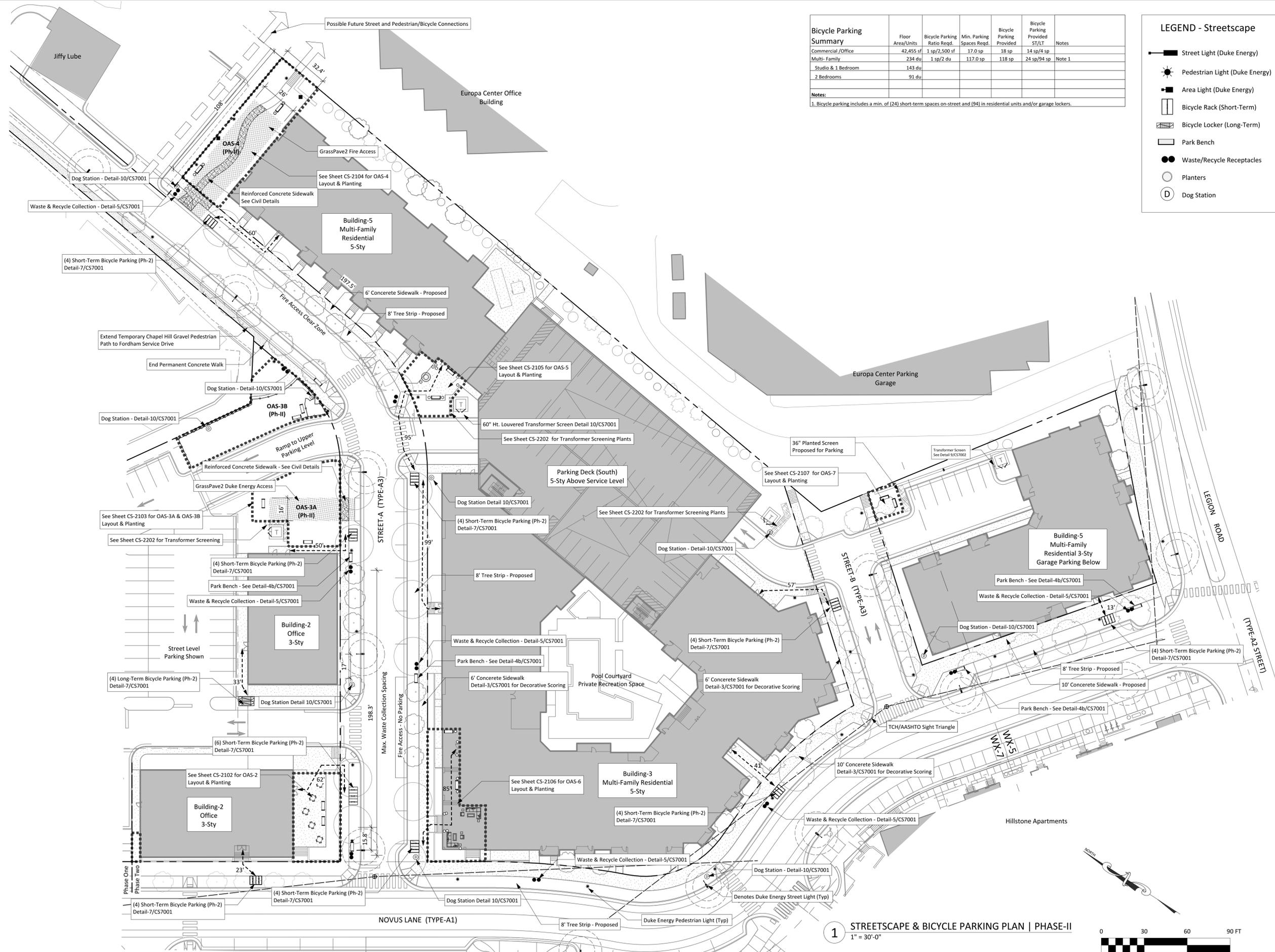
of

Bicycle Parking Summary	Floor Area/Units	Bicycle Parking Ratio Req'd.	Min. Parking Spaces Req'd.	Bicycle Parking Provided	Bicycle Parking Provided ST/LT	Notes
Commercial /Office	42,455 sf	1 sp/2,500 sf	17.0 sp	18 sp	14 sp/4 sp	Note 1
Multi-Family	234 du	1 sp/2 du	117.0 sp	118 sp	24 sp/94 sp	
Studio & 1 Bedroom	143 du					
2 Bedrooms	91 du					

Notes:
1. Bicycle parking includes a min. of (24) short-term spaces on-street and (94) in residential units and/or garage lockers.

LEGEND - Streetscape

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- Bicycle Locker (Long-Term)
- Park Bench
- Waste/Recycle Receptacles
- Planters
- Dog Station



1 STREETSCAPE & BICYCLE PARKING PLAN | PHASE-II
1" = 30'-0"

Project:

**Tarheel Lodging
Redevelopment**
Chapel Hill, North Carolina

Developer:

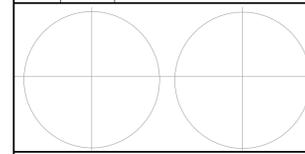
**Tarheel Lodging, LLC
and
Unicorn Group
Fifteen, LLC**

6110 Falconbridge Rd. ste. 200
Chapel Hill, North Carolina 27517

Sheet Title:

**OAS-1 & 1b
Layout &
Planting Plan**

No.	Date:	Issue Notes:
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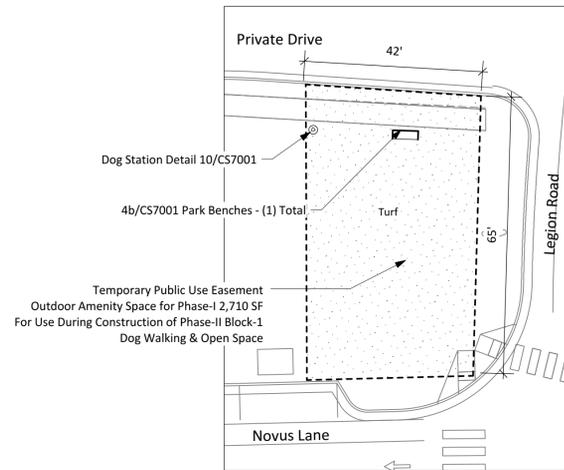


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Scale: 1" = 10'-0" @ D-Size	CS2101 of
Date: May 28, 2019	
Drawn By: STM	
Drawing No.: na	

LEGEND - Streetscape

	Street Light (Duke Energy)
	Pedestrian Light (Duke Energy)
	Area Light (Duke Energy)
	Bicycle Rack (Short-Term)
	Bicycle Locker (Long-Term)
	Park Bench
	Waste/Recycle Receptacles
	Planters



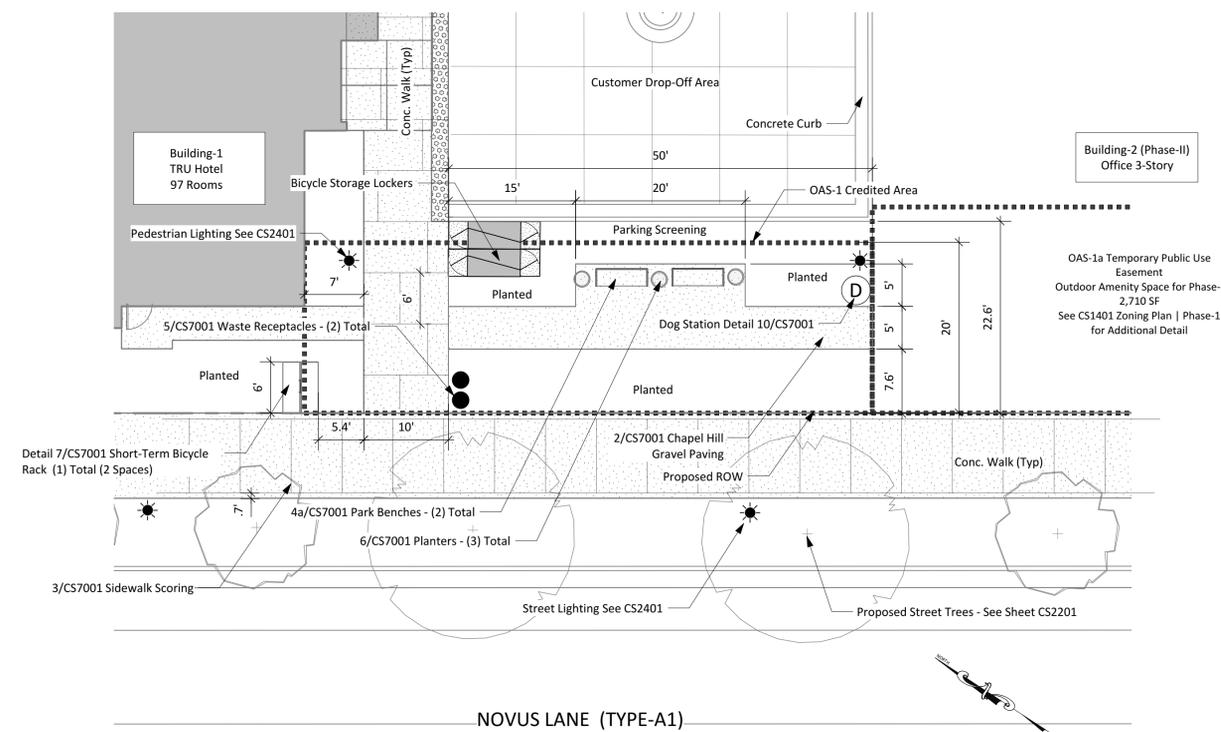
- General Notes**
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 - All shrub beds for parking lot or utility screening shall be 5'-0" or greater in width.
 - Canopy street tree substitutions are subject to CDC approval.
 - All tree plantings in turf areas shall include a 3' dia. mulch bed.

Plant List - OAS-1

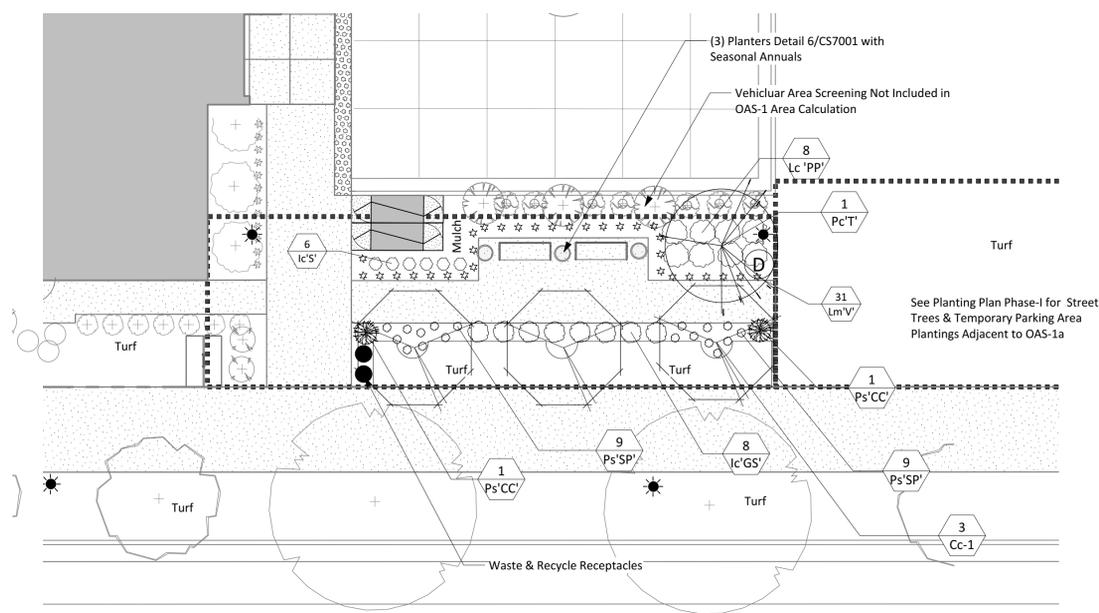
ID	Common Name	Botanical Name	Qty	Scheduled Size	Remarks & Spacing
Trees					
Cc-1	American Hornbeam, Ironwood	Carpinus caroliniana	3	2.5" CAL. 15' Mature Ht.	
Pc'T'	Thundercloud Purple Leaf Plum	Prunus cerasifera 'Thundercloud'	1	8'-10' HT.	
Shrubs					
Ic'GS'	Golden Japanese Holly	Ilex crenata 'Golden Soft Touch'	8	18" HT. 3' O.C.	
Lc 'PP'	Purple Pixie Loropetalum	Loropetalum chinensis 'Purple Pixie'	8	3 GAL 2.5' O.C.	
Ic'S'	Steeds Holly	Ilex crenata 'Steeds'	6	36" HT. 4' O.C. Prune to Maintain Size	
Ground Cover					
Ps'SP'	Creeping Phlox 'Sherwood Purple'	Phlox stolonifera 'Sherwood Purple'	18	1 GAL 18" O.C.	
Lm'V'	Big Blue Lily Turf - Variegated	Liriope muscari 'variegata'	31	1 GAL 18" O.C.	
Ornamental Grasses					
Ps'CC'	'Cape Coral' Fountain Grass	Pennisetum setaceum 'Cape Coral'	2	3 GAL 3.5' O.C.	

OAS-1 Design Intent/Programming: Outdoor Amenity Space - 1 is intended to provide seating for reading, people watching or meeting and conversation. The adjacent grassed area will be made available during Phase-I for informal play activities or pet exercise. At the time of Phase-II construction an area of similar size near to Legion Rd. will be provided until such time as the dog park in OAS-3b is brought online.

3 OAS-1b TEMPORARY PHASE-I OUTDOOR AMENITY SPACE
1" = 20'-0"



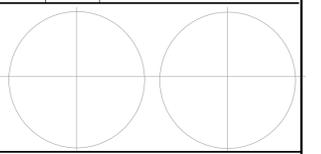
1 OUTDOOR AMENITY SPACE-1 - LAYOUT
1" = 10'-0"



2 OUTDOOR AMENITY SPACE-1 - PLANTING
1" = 10'-0"



No.	Date:	Issue Notes:
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Scale: 1" = 10'-0" @ D-Size	CS2102 of
Date: May 28, 2019	
Drawn By: STM	
Drawing No.: na	

LEGEND - Streetscape

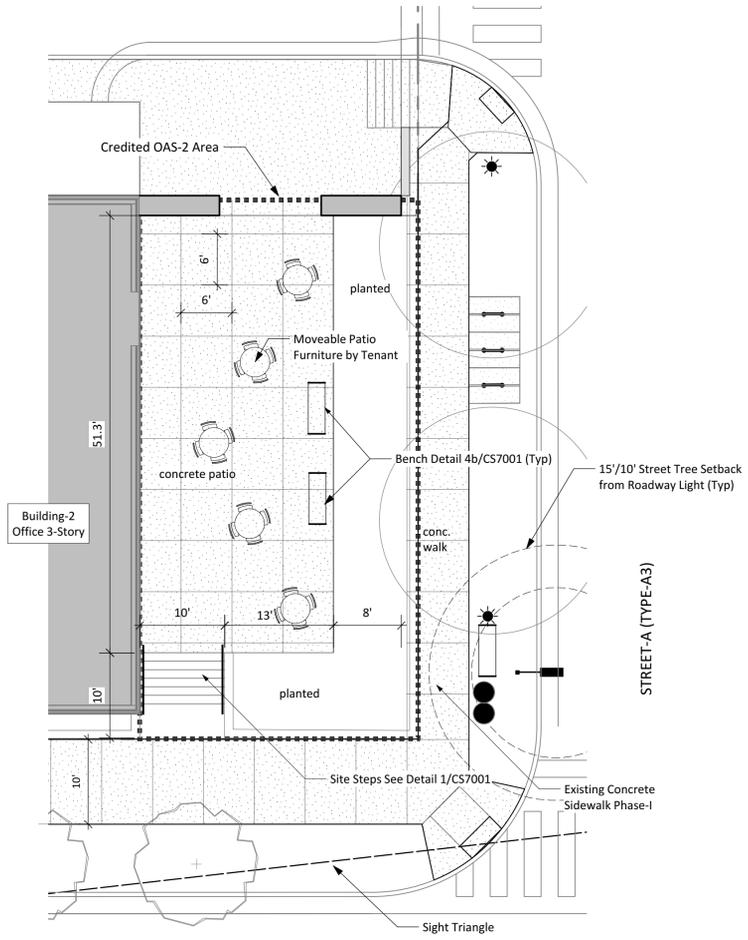
- Street Light (Duke Energy)
- Pedestrian Light (Duke Energy)
- Area Light (Duke Energy)
- Bicycle Rack (Short-Term)
- Bicycle Locker (Long-Term)
- Park Bench
- Waste/Recycle Receptacles
- Planters
- Dog Station

- General Notes**
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 - All shrub beds for parking lot or utility screening shall be 5'-0" or greater in width.
 - Canopy street tree substitutions are subject to CDC approval.
 - All tree plantings in turf areas shall include a 3' dia. mulch bed.

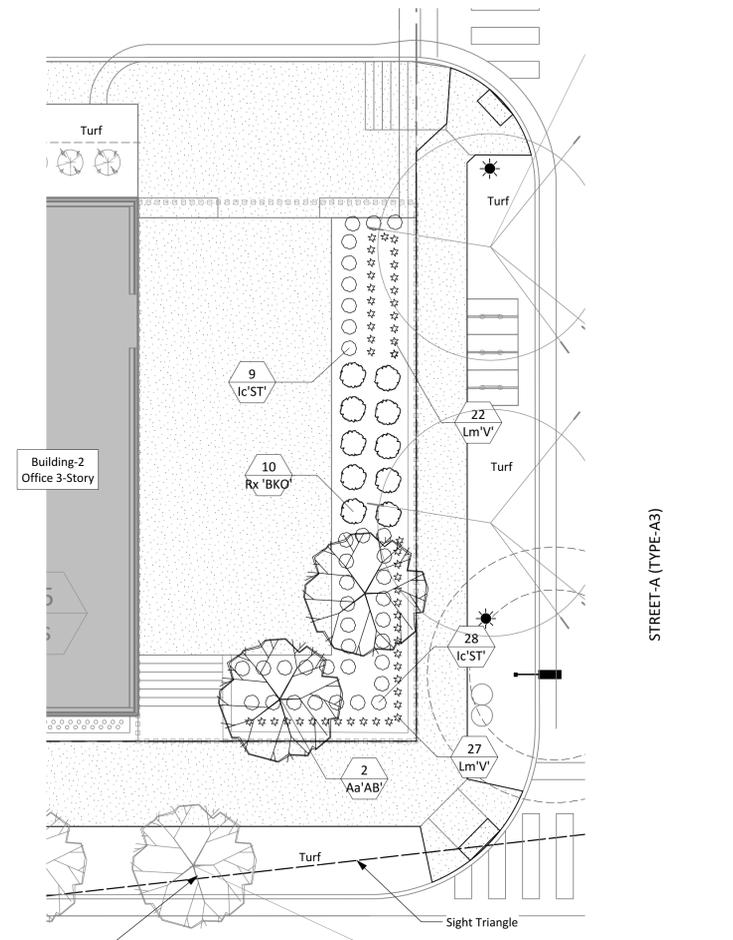
Plant List - OAS-2

ID	Common Name	Botanical Name	Qty	Scheduled Size	Remarks & Spacing
Trees					
Aa'AB'	Autumn Brilliance Serviceberry	Amelanchier x grandiflora 'Autumn Brilliance'	2	2.5" CAL.	Single-Stem 15' Mature Ht.
Shrubs					
Rx 'BKO'	Blushing Knock Out Rose (R)	Rosa x 'Blushing Knock Out' (R)	44	18" HT.	4' O.C.
lc'ST'	Soft Touch Japanese Holly	Ilex crenata 'Soft Touch'	37	18" HT.	2.5' O.C.
Ground Cover					
Lm'V'	Big Blue Lily Turf - Variegated	Liriope muscari 'variegata'	49	1 GAL	18" O.C.
Ornamental Grasses					

OAS-2 Design Intent/Programming: Outdoor Amenity Space - 2 is intended to provide seating for gatherings, conversation, dining and/or board games or similar activities. Food kiosk/vendors may be encouraged as a complement to dining activities subject to tenant approval.



1 OUTDOOR AMENITY SPACE-2 - LAYOUT
1" = 10'-0"



2 OUTDOOR AMENITY SPACE-2 - PLANTING
1" = 10'-0"

Proposed Street Trees
See CS2202 Planting Plan
Phase-II

Scott Murray Land Planning, Inc.
274 Botetourt Ct. Boydton, VA 23917
252-213-9501 434-689-2925 (fax)
www.stmlandplan.com
smurray@stmlandplan.com

Project:

**Tarheel Lodging
Redevelopment**
Chapel Hill, North Carolina

Developer:

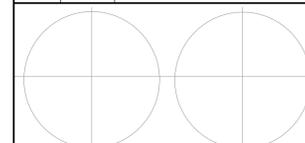
**Tarheel Lodging, LLC
and
Unicorn Group
Fifteen, LLC**

6110 Falconbridge Rd. ste. 200
Chapel Hill, North Carolina 27517

Sheet Title:

**OAS-3
Layout &
Planting Plan**

No.	Date:	Issue Notes:
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Scale:
1" = 10'-0" @ D-Size

Date:
May 28, 2019

Drawn By:
STM

Drawing No.:
na

CS2103

of

LEGEND - Streetscape

- Street Light (Duke Energy)
- Pedestrian Light (Duke Energy)
- Area Light (Duke Energy)
- Bicycle Rack (Short-Term)
- Bicycle Locker (Long-Term)
- Park Bench
- Waste/Recycle Receptacles
- Planters
- Dog Station

General Notes

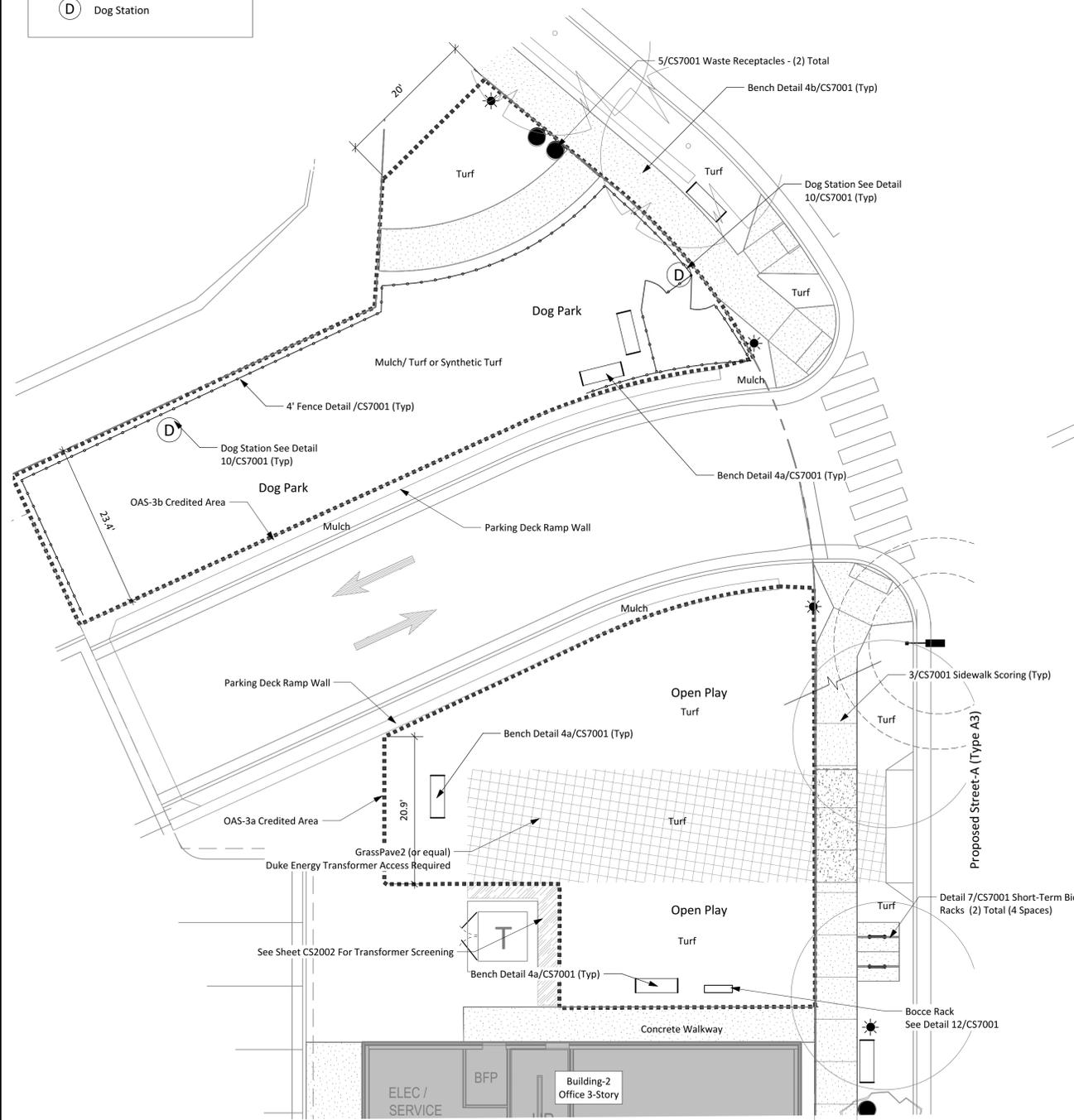
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- Canopy street tree substitutions are subject to CDC approval.
- All tree plantings in turf areas shall include a 3' dia. mulch bed.

Plant List - OAS-3

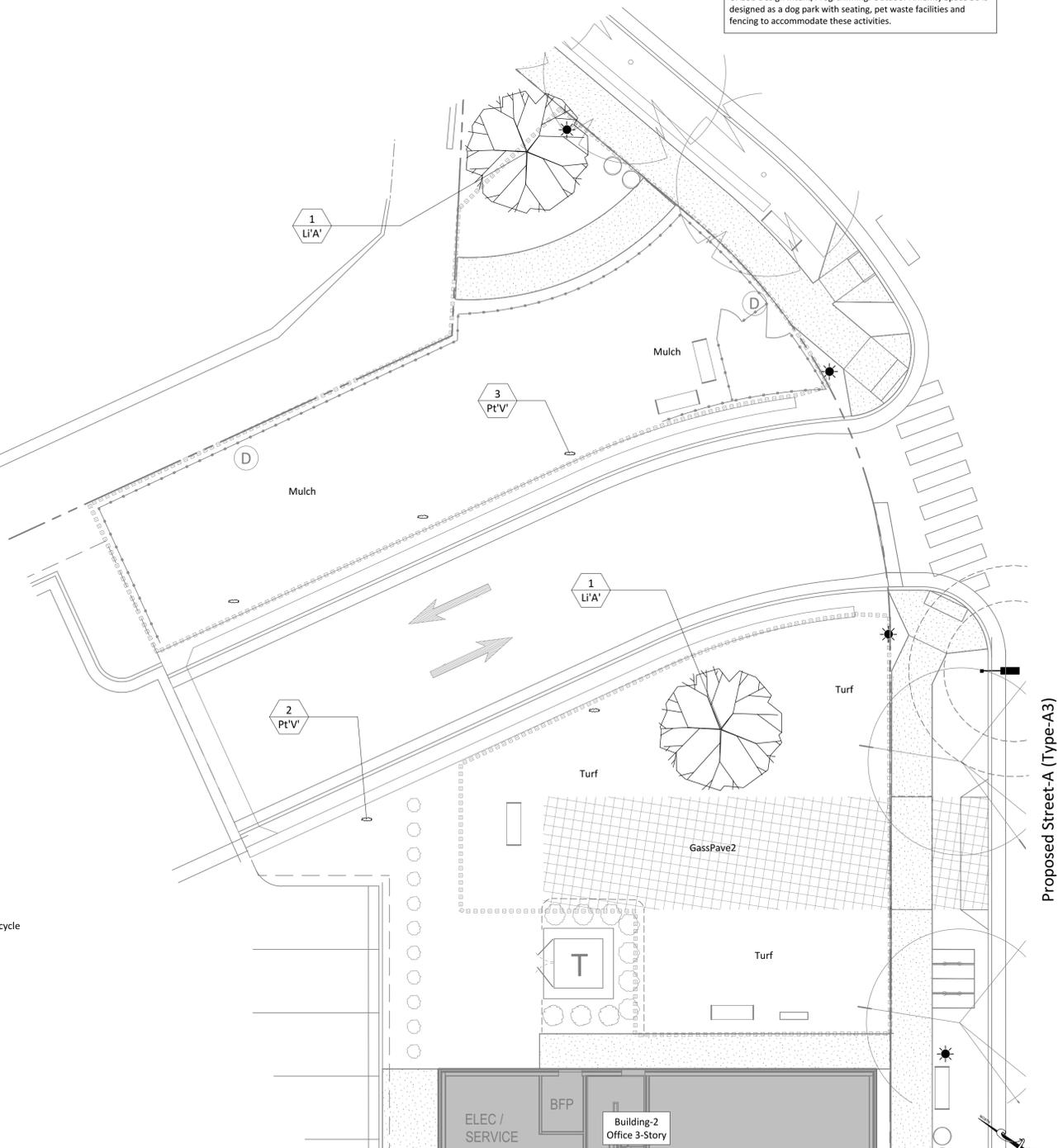
ID	Common Name	Botanical Name	Qty	Scheduled	Size	Remarks & Spacing
L1'A	Arapaho Crape Myrtle	Lagerstroemia indica x faueri 'Arapaho'	2	10'	HT.	Single-Stem
Pt'V	Boston Ivy	Parthenocissus tricuspidata 'Veitchii'	5	3 GAL		

OAS-3a Design Intent/Programming: Outdoor Amenity Space - 3a is intended to provide grass open space and seating for lawn bowling and similar activities. Reinforced turf areas are required for service access as noted but are designed in a way as to not hinder other activities.

OAS3b Design Intent/Programming: Outdoor Amenity Space 3b is designed as a dog park with seating, pet waste facilities and fencing to accommodate these activities.



1 OUTDOOR AMENITY SPACE-3 - LAYOUT
1" = 10'-0"



2 OUTDOOR AMENITY SPACE-3 - PLANTING
1" = 10'-0"

Scott Murray Land Planning, Inc.
274 Botetourt Ct. Boydton, VA 23917
252-213-9501 434-689-2925 (fax)
www.stmlandplan.com
smurray@stmlandplan.com

Project:

**Tarheel Lodging
Redevelopment**
Chapel Hill, North Carolina

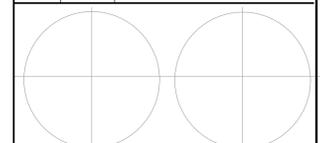
Developer:

**Tarheel Lodging, LLC
and
Unicorn Group
Fifteen, LLC**
6110 Falconbridge Rd. ste. 200
Chapel Hill, North Carolina 27517

Sheet Title:

**OAS-4
Layout &
Planting Plan**

No.	Date:	Issue Notes:
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Scale: 1" = 10'-0" @ D-Size	CS2104 of
Date: May 28, 2019	
Drawn By: STM	
Drawing No.: na	

LEGEND - Streetscape

- Street Light (Duke Energy)
- Pedestrian Light (Duke Energy)
- Area Light (Duke Energy)
- Bicycle Rack (Short-Term)
- Bicycle Locker (Long-Term)
- Park Bench
- Waste/Recycle Receptacles
- Planters
- Dog Station



Duncraft Airflow Songbird House (or equal)
Model Number: 4436
www.duncraft.com
Quantity - Two
Mounting: pole or suspended per manufacturer's recommendations

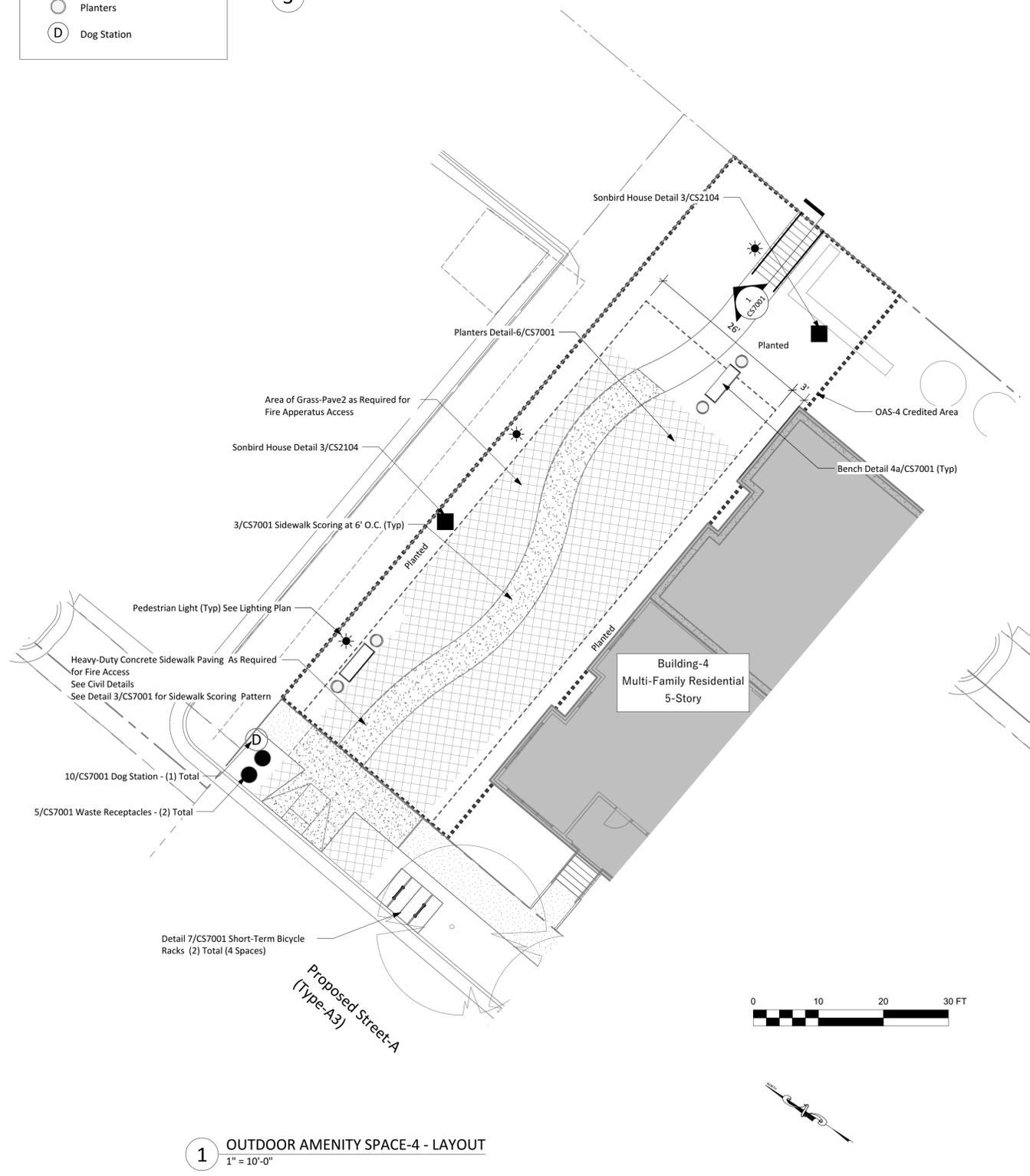
3 SONGBIRD HOUSE

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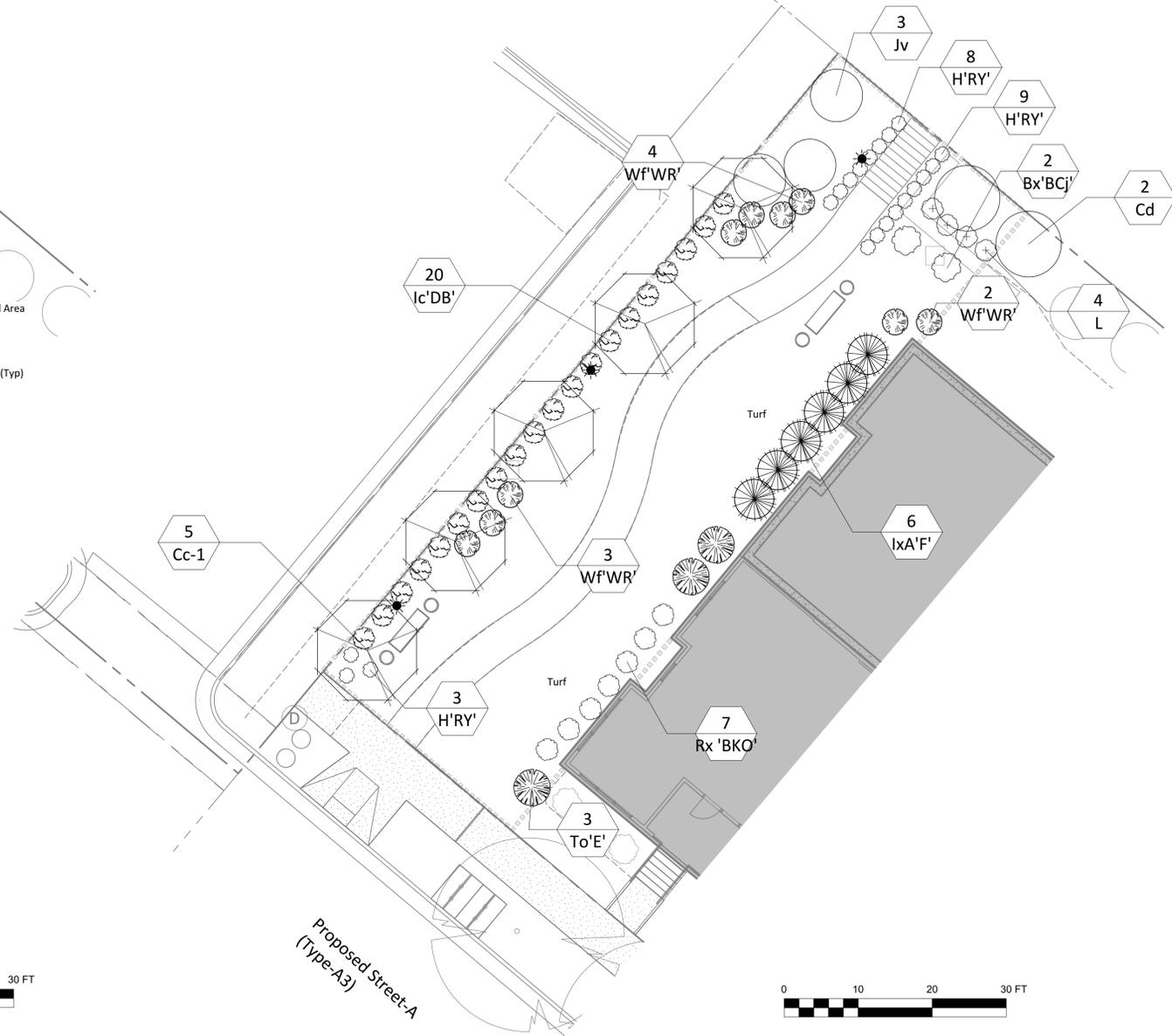
Plant List - OAS-4

ID	Common Name	Botanical Name	Qty	Scheduled Size	Remarks & Spacing
Trees					
Cc-1	American Hornbeam, Ironwood	Carpinus caroliniana	5	2.5" CAL	15' Mature Ht.
Cd	Deodar Cedar	Cedrus deodara	2	8' HT.	
Jv	Eastern Red Cedar	Juniperus virginiana	3	5' HT.	
Shrubs					
Ic'DB'	Dwarf Burford Holly	Ilex cornuta 'Burfordii Nana'	20	36" HT.	4' O.C.
To'E'	Emerald Green Arborvitae	Thuja occidentalis 'Emerald'	3	6' HT.	12' O.C.
IxA'F'	Foster's #2 Holly	Ilex x attenuata 'Foster's #2'	6	7' HT.	10' O.C. or as shown
Rx 'BKO'	Blushing Knock Out Rose (R)	Rosa x 'Blushing Knock Out' (R)	7	18" HT.	4' O.C.
Bx'BCJ'	Blue Chip Jr. Butterfly Bush	Buddleja x 'Blue Chip Jr'	2	3 GAL	4' O.C.
WF'WR'	Wine & Roses Weigela	'Weigela florida 'Wine & Roses'	9	24" 4' O.C.	
Perennials					
L	Lantana - standard multi-color	Lantana - standard multi-color	4	3 GAL	3' O.C.
H'RY'	Red-Yellow Daylily	Hemerocallis x 'Red Yellow'	20	1 GAL	2' O.C.

OAS-4 Design Intent/Programming: Outdoor Amenity Space - 4 is intended to provide seating for quiet conversation and reading. Songbird houses and plantings designed to attract birds and butterflies are proposed.



1 OUTDOOR AMENITY SPACE-4 - LAYOUT
1" = 10'-0"



2 OUTDOOR AMENITY SPACE-4 - PLANTING
1" = 10'-0"

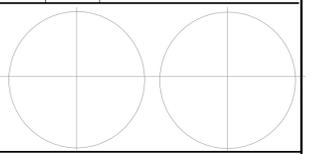
Scott Murray Land Planning, Inc.
274 Botetourt Ct. Boydton, VA 23917
252-213-9501 434-689-2925 (fax)
www.stmlandplan.com
smurray@stmlandplan.com

Project:
**Tarheel Lodging
Redevelopment**
Chapel Hill, North Carolina

Developer:
**Tarheel Lodging, LLC
and
Unicorn Group
Fifteen, LLC**
6110 Falconbridge Rd. ste. 200
Chapel Hill, North Carolina 27517

Sheet Title:
**OAS-7
Layout &
Planting Plan**

No. Date: Issue Notes:



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Scale:
1" = 10'-0" @ D-Size
Date:
May 28, 2019
Drawn By:
STM
Drawing No.:
na

CS2107

of

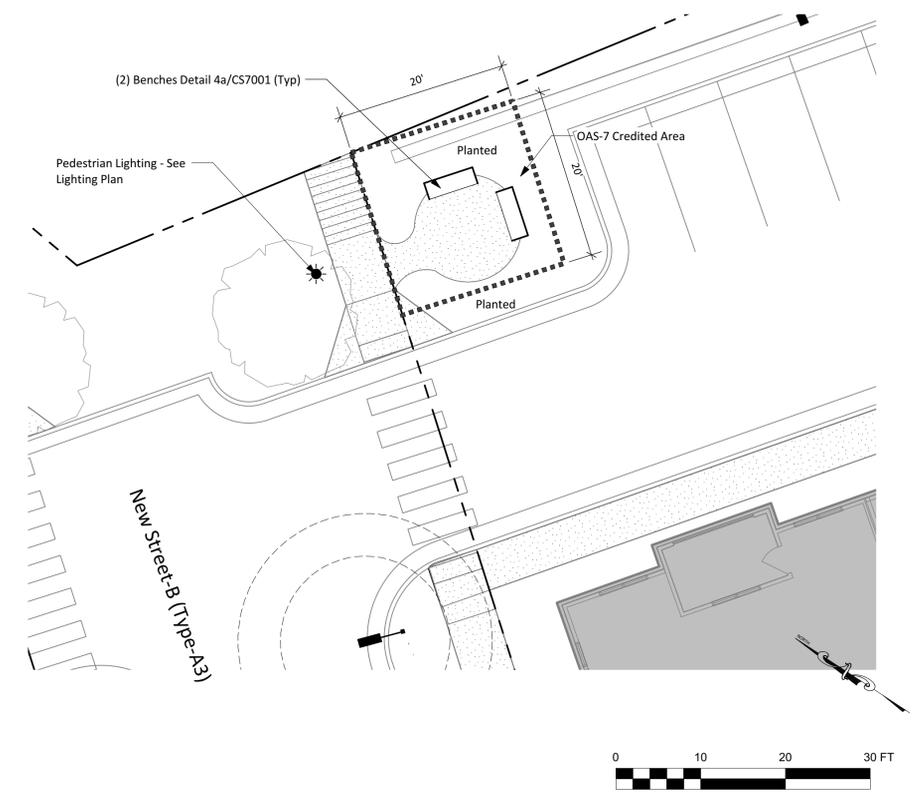
Plant List - Building-3 Forecourt			Plant List		
ID	Common Name	Botanical Name	Qty	Scheduled Size	Remarks & Spacing
Trees					
lc'S'	Steeds Holly	Ilex crenata 'Steeds'	7	36" HT. 4' O.C. Prune to Maintain Size	
Rx' 'BKO'	Blushing Knock Out Rose (R)	Rosa x 'Blushing Knock Out' (R)	3	18" HT. 4' O.C.	
Ground Cover					
Lm'V'	Big Blue Lily Turf - Variegated	Liriope muscari 'variegata'	60	1 GAL 18" O.C.	
Ornamental Grasses					
Ps'CC'	'Cape Coral' Fountain Grass	Pennisetum setaceum 'Cape Coral'	2	3 GAL 3.5' O.C.	

- General Notes**
- Plantings illustrated on these plan sheets represent minimum plantings proposed for purposes of code compliance. Additional non-invasive plantings may be added for enhanced aesthetics at the discretion of the owner. Contractor is responsible for all plants shown on plan regardless of quantities listed in schedule.
 - All areas noted as Turf shall be seeded or sodded at the owner's discretion. See Sheet CS7101 for Planting Specifications. Synthetic turf (DuPont ForeverLawn Select Synthetic Grass or equal) may be substituted for natural turf at the owner's discretion.
 - See Tree Protection Plan (sheet CS0503) for Limits of Disturbance and Tree Removal/Tree Save.
 - Note: Contractor to Provide & Install Coconut Fiber Mat per Manufacturer's Specifications For All Slopes Greater Than 3:1. Slopes in Excess of 3:1 Shall be Permanently Stabilized with Seeding Specifications Noted on Sheet CS7101 in Addition to any Plantings Shown. See Temporary Seeding, Erosion and Sediment Control Notes Sheet CS8501 for Temporary Seeding.
 - Contractor shall provide 3/16" A606 steel edging (Corten) between all creeping liriope plantings and other plant or turf beds. All other beds shall be edged as noted on Planting Details Sheet CS7101.
 - All shrub beds for parking lot or utility screening shall be 5'-0" or greater in width.
 - Canopy street tree substitutions are subject to CDC approval.
 - All tree plantings in turf areas shall include a 3' dia. mulch bed.

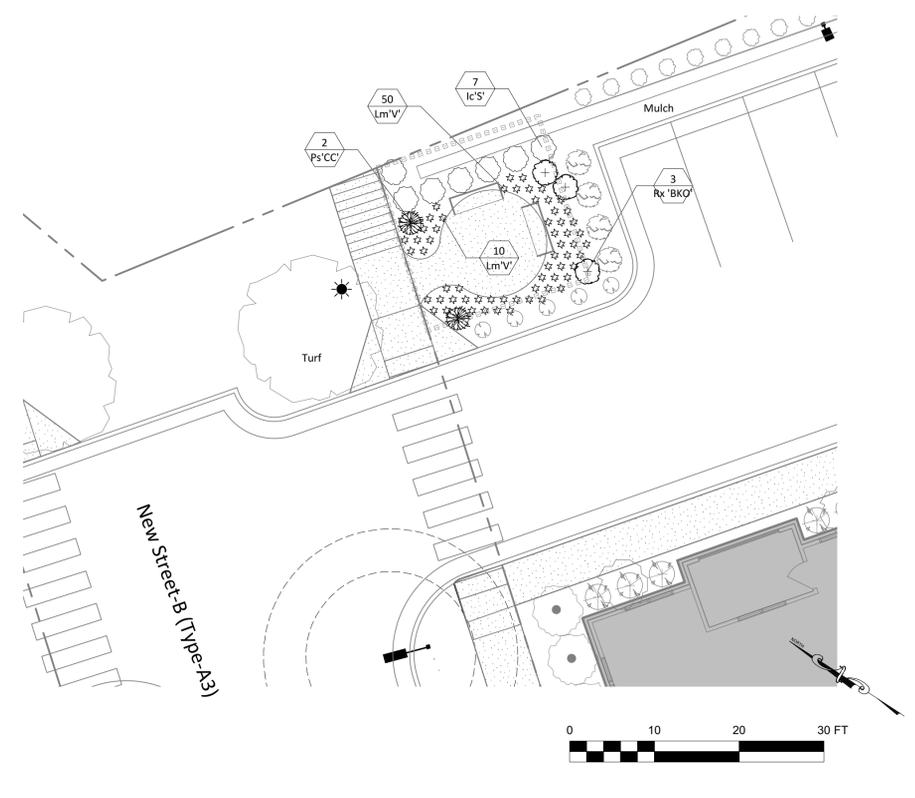
OAS-7 Design Intent/Programming: Outdoor Amenity Space - 7 is intended to provide seating for quiet contemplative activities as a complement to other Outdoor Amenity Spaces on-site.

LEGEND - Streetscape

- Street Light (Duke Energy)
- Pedestrian Light (Duke Energy)
- Area Light (Duke Energy)
- Bicycle Rack (Short-Term)
- Bicycle Locker (Long-Term)
- Park Bench
- Waste/Recycle Receptacles
- Planters
- Dog Station



1 OUTDOOR AMENITY SPACE-7 - LAYOUT
1" = 10'-0"



2 OUTDOOR AMENITY SPACE-7 - PLANTING
1" = 10'-0"

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Project:

**Tarheel Lodging
Redevelopment**
Chapel Hill, North Carolina

Developer:

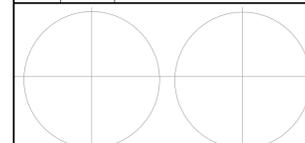
**Tarheel Lodging, LLC
and
Unicorn Group
Fifteen, LLC**

6110 Falconbridge Rd. ste. 200
Chapel Hill, North Carolina 27517

Sheet Title:

**OAS-6
Layout &
Planting Plan**

No. Date: Issue Notes:



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Scale:

1" = 10'-0" @ D-Size

Date:
May 28, 2019

Drawn By:
STM

Drawing No.:
na

CS2106

of

LEGEND - Streetscape

- Street Light (Duke Energy)
- Pedestrian Light (Duke Energy)
- Area Light (Duke Energy)
- Bicycle Rack (Short-Term)
- Bicycle Locker (Long-Term)
- Park Bench
- Waste/Recycle Receptacles
- Planters
- Dog Station

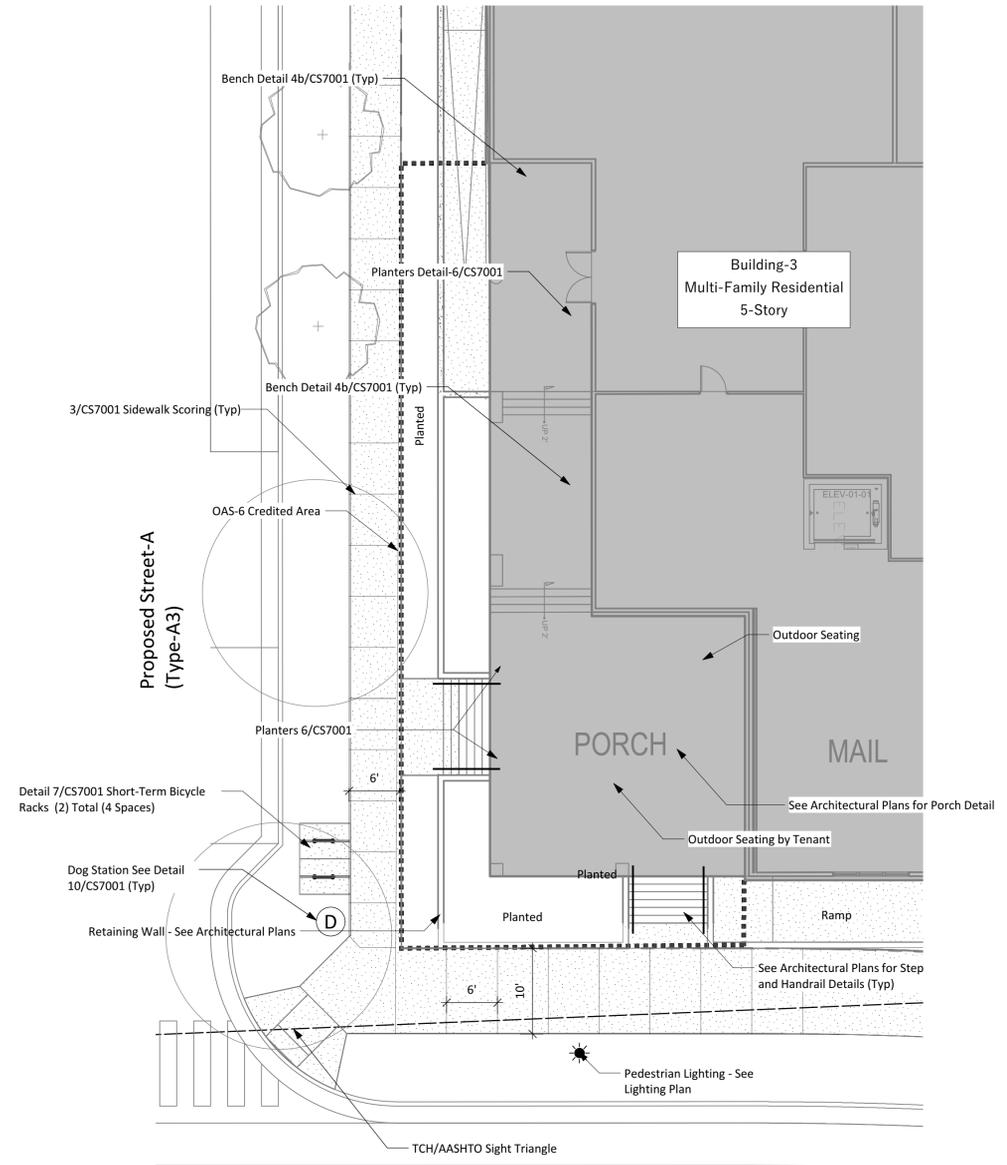
General Notes

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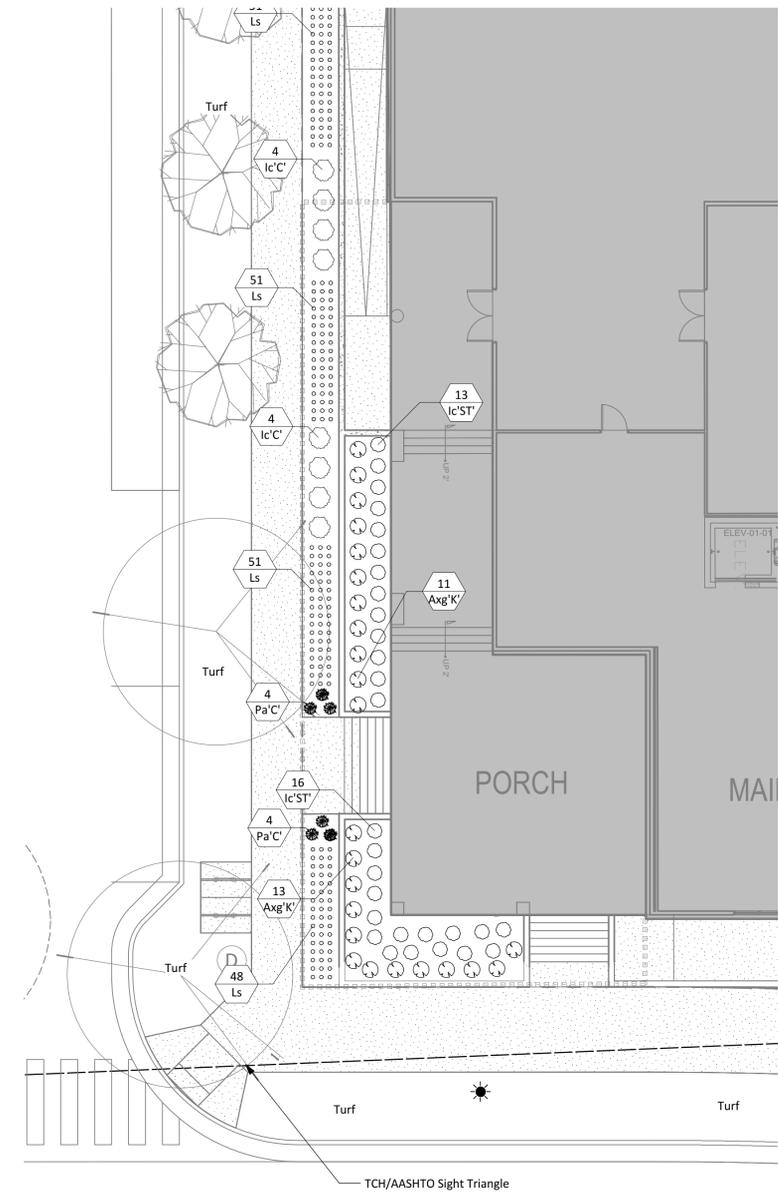
Plant List - OAS-6

Plant List			Plant List		
ID	Common Name	Botanical Name	Qty	Scheduled Size	Remarks & Spacing
Trees					
Axg'K'	Kaleidoscope Abelia	Abelia x grandiflora 'Kaleidoscope' P.P.# 16,988	24	18" HT. 3' O.C.	
lc'ST'	Soft Touch Japanese Holly	Ilex crenata 'Soft Touch'	29	18" HT. 2.5' O.C.	
lc'C'	Carissa Holly	Ilex cornuta 'Carissa'	12	18" HT. 3.5' O.C.	
Ground Cover					
Ls	Creeping Lily Turf	Liriope spicatum	201	1 QT 1' O.C.	
Ornamental Grasses					
Pa'C'	Dwarf Fountain Grass	Pennisetum alopecuroides 'Cassian'	8	3 GAL 2' O.C.	

OAS-6 Design Intent/Programming: Outdoor Amenity Space - 6 is intended to provide seating for gatherings, conversation and related board games or similar activities.



1 OUTDOOR AMENITY SPACE-6 - LAYOUT
1" = 10'-0"



2 OUTDOOR AMENITY SPACE-6 - PLANTING
1" = 10'-0"



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Chapel Hill, North Carolina

Developer:

**Tarheel Lodging, LLC
and
Unicorn Group
Fifteen, LLC**

6110 Falconbridge Rd. ste. 200
Chapel Hill, North Carolina 27517

Sheet Title:

**Planting Plan
Phase-I**

Plant List - Phase-I			Plant List		
ID	Common Name	Botanical Name	Qty	Scheduled Size	Remarks & Spacing
Trees					
Ns	Tupelo	Nyssa sylvatica	2	2.5" CAL.	
Cb'F'	Pyramidal European Hornbeam	Carpinus betulus 'Fastigiata'	5	2.5" CAL.	Single-Stem - Limb Up to 7'
Cc-1	American Hornbeam, Ironwood	Carpinus caroliniana	11	2.5" CAL.	Single-Stem 15' Mature Ht.
Ql	Overcup Oak	Quercus lyrata	6	2.5" CAL.	
Aa'AB'	Autumn Brilliance Serviceberry	Amelanchier x grandiflora 'Autumn Brilliance'	14	2.5" CAL.	Single-Stem 15' Mature Ht.
Shrubs					
lc'Ch'	Chesapeake Japanese Holly	Ilex crenata 'Chesapeake'	8	5' HT.	5' O. C.
lc'GS'	Golden Japanese Holly	Ilex crenata 'Golden Soft Touch'	10	18" HT.	3' O.C.
lc'C'	Carissa Holly	Ilex cornuta 'Carissa'	13	18" HT.	3.5' O.C.
D'BC'	Distylium Blue Cascade	Distylium 'PIIDIST-II' Plant Patent #24,409	61	24" HT.	3.5' O.C.
Ri'ET'	Eleanor Tabor India Hawthorn	Raphiolepis indica 'Eleanor Tabor'	7	18" HT.	3' O.C.
To'E'	Emerald Green Arborvitae	Thuja occidentalis 'Emerald'	7	6' HT.	12' O.C.
lc'DB'	Dwarf Burford Holly	Ilex cornuta 'Burfordii Nana'	59	36" HT.	4' O.C.
Tg'LA'	LeAnn Japanese Cleyera	Ternstroemia gymnanthera 'LeAnn'	3	5' HT.	6' O.C.
Ch'F'	Prostrata Japanese Plum Yew	Cephalotaxus harringtonia var. 'drupacea' 'Prostrata'	12	18" HT.	4' O.C.
Lc'PP'	Purple Pixie Loropetalum	Loropetalum chinensis 'Purple Pixie'	19	3 GAL	2.5' O.C.
Lc'R'	Ruby Loropetalum	Loropetalum chinensis ; 'Ruby'	58	24"	5' O.C.
Ground Cover					
Lm'V'	Big Blue Lily Turf - Variegated	Liriope muscari 'variegata'	215	1 GAL	18" O.C.
Ls	Creeping Lily Turf	Liriope spicatum	222	1 QT	1' O.C.
Ornamental Grasses					
Ps'CC'	'Cape Coral' Fountain Grass	Pennisetum setaceum 'Cape Coral'	3	3 GAL	3.5' O.C.

Street Tree Planting Calculations - Phase-I						
Street Frontage	Total Frontage	Spacing Required	Trees Required	Trees Provided	Tree Species	Notes
Fordham Service Dr.	220 lf	40' O.C.	6	9	Serviceberry + Ironwood	OHP & AASHTO Site Triangle Limits Tree Species & Placement within R.O.W. - Reference DA-18
Novus Ln. Phase-I	133 lf	40' O.C.	3	5	Black Gum & Serviceberry	Tree Species Restricted Due to Required Fire Access

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 - All shrub beds for parking lot or utility screening shall be 5'-0" or greater in width.
 - Canopy street tree substitutions are subject to CDC approval.
 - All tree plantings in turf areas shall include a 3' dia. mulch bed.

Surface Parking Phase-I - Tree Calculations	
Surface Area of Lot	37889 sf
Tree Requirement	1 Tree/2,000 sf
Trees Required	18.94 trees
Trees Provided	19 trees

Notes:
1. Surface Area includes existing parking area expansion bays
2. 5' Tree Planters proposed for trees under future parking deck as approved by CDC DA-16.

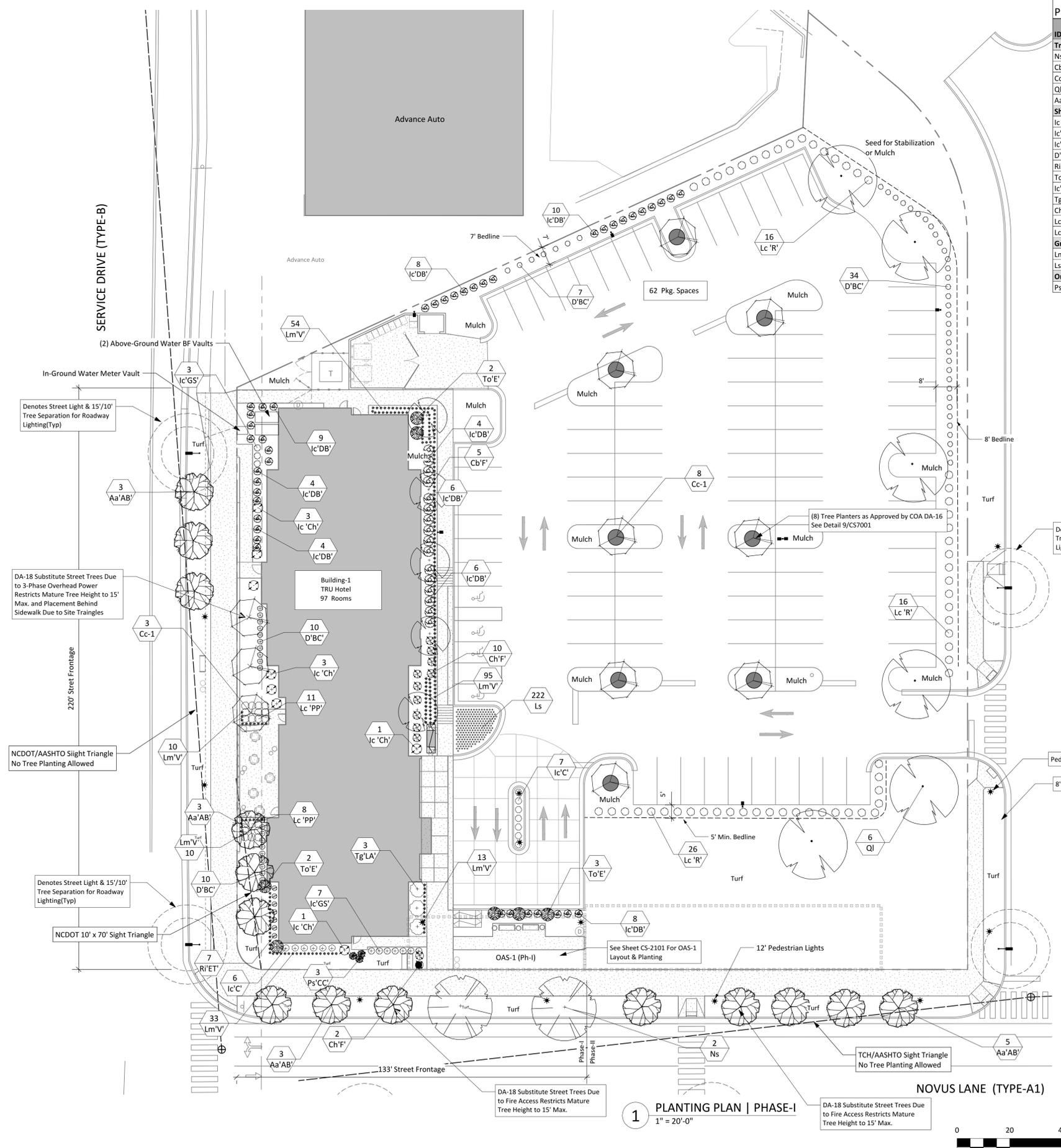
LEGEND - Streetscape

- Street Light (Duke Energy)
- Pedestrian Light (Duke Energy)
- Area Light (Duke Energy)
- Bicycle Rack (Short-Term)
- Bicycle Locker (Long-Term)
- Park Bench
- Waste/Recycle Receptacles
- Planters
- Dog Station

Town of Chapel Hill Tree Placemnt Notes: Applicable to the greatest extent practical unless otherwise shown on plan.

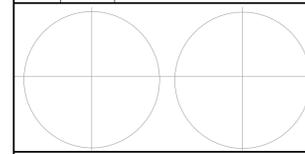
(1) Large Trees - All trees reaching a mature height of thirty five (35) feet or more should be planted a minimum of:
 o 4 feet from back of curb, edge of street pavement and driveways (allow for any proposed future widening);
 o 4 feet from sidewalks and other paved pedestrian surfaces except where urban conditions would prohibit any planting;
 o 10 feet from all buildings;
 o 15 feet from street lights, utility poles and above-ground utility wires;
 o 15 feet from fire department connections and fire hydrants

(2) Small Trees - All trees reaching a mature height of less than 35 feet should be planted a minimum of:
 o 3 feet from back of curb, edge of street pavement and driveways (allow for any proposed future widening);
 o 3 feet from sidewalks and other paved pedestrian surfaces except where urban conditions would prohibit any planting;
 o 5 feet from all buildings;
 o 10 feet from street lights and utility poles;
 o 10 feet from fire department connections and fire hydrants



1 PLANTING PLAN | PHASE-I
1" = 20'-0"

No.	Date:	Issue Notes:



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Scale:
1" = 20'-0" @ D-Size

Date:
May 28, 2019

Drawn By:
STM

Drawing No.:
na

CS2201
of

No.	Date:	Issue Notes:

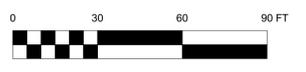
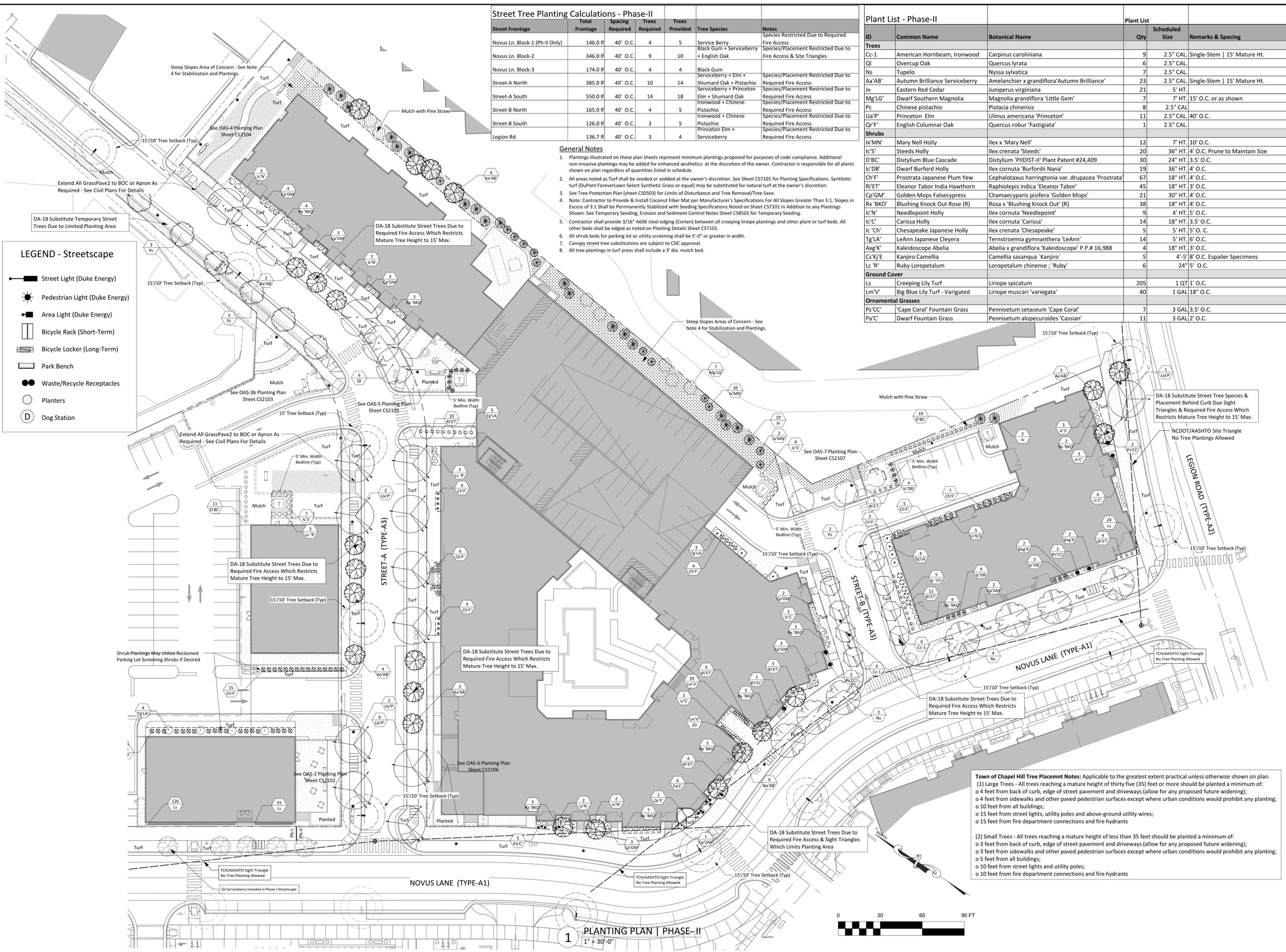
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Scale: 1" = 30'-0" @ D-Size	CS2202 of
Date: May 28, 2019	
Drawn By: STM	
Drawing No.: na	

Street Frontage	Total Frontage	Spacing Required	Trees Required	Trees Provided	Tree Species	Notes
Novus Ln. Block-1 (Ph-II Only)	146.0 lf	40' O.C.	4	5	Service Berry Black Gum + Serviceberry + English Oak	Species Restricted Due to Required Fire Access Species/Placement Restricted Due to Fire Access & Site Triangles
Novus Ln. Block-2	346.0 lf	40' O.C.	9	10	Black Gum Serviceberry + Elm + Shumard Oak + Pistachio	Species/Placement Restricted Due to Required Fire Access
Novus Ln. Block-3	174.0 lf	40' O.C.	4	4	Black Gum Serviceberry + Elm + Shumard Oak + Princeton Elm + Shumard Oak	Species/Placement Restricted Due to Required Fire Access
Street-A North	385.0 lf	40' O.C.	10	14	Serviceberry + Princeton Elm + Shumard Oak	Species/Placement Restricted Due to Required Fire Access
Street-A South	550.0 lf	40' O.C.	14	18	Ironwood + Chinese Pistachio	Species/Placement Restricted Due to Required Fire Access
Street-B North	165.0 lf	40' O.C.	4	5	Ironwood + Chinese Pistachio	Species/Placement Restricted Due to Required Fire Access
Street-B South	126.0 lf	40' O.C.	3	5	Pistachio Princeton Elm + Serviceberry	Species/Placement Restricted Due to Required Fire Access
Legion Rd.	136.7 lf	40' O.C.	3	4	Serviceberry	Species/Placement Restricted Due to Required Fire Access

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 - Canopy street tree substitutions are subject to CDC approval.
 - All tree plantings in turf areas shall include a 3' dia. mulch bed.

ID	Common Name	Botanical Name	Qty	Scheduled Size	Remarks & Spacing
Trees					
Cc-1	American Hornbeam, Ironwood	Carpinus caroliniana	9	2.5" CAL.	Single-Stem 15' Mature Ht.
Ql	Overcup Oak	Quercus lyrata	6	2.5" CAL.	
Ns	Tupelo	Nyssa sylvatica	7	2.5" CAL.	
Aa'AB'	Autumn Brilliance Serviceberry	Amelanchier x grandiflora Autumn Brilliance'	23	2.5" CAL.	Single-Stem 15' Mature Ht.
Jv	Eastern Red Cedar	Juniperus virginiana	21	5' HT.	
Mg'LG'	Dwarf Southern Magnolia	Magnolia grandiflora 'Little Gem'	7	7' HT.	15' O.C. or as shown
Pc	Chinese pistachio	Pistacia chinensis	8	2.5" CAL.	
Ua'P'	Princeton Elm	Ulmus americana 'Princeton'	11	2.5" CAL.	40' O.C.
Qr'F'	English Columnar Oak	Quercus robur 'Fastigiata'	1	2.5" CAL.	
Shrubs					
Ix'MN'	Mary Nell Holly	Ilex x 'Mary Nell'	12	7' HT.	10' O.C.
Ic'S'	Steeds Holly	Ilex crenata 'Steeds'	20	36" HT.	4' O.C. Prune to Maintain Size
D'BC'	Distylium Blue Cascade	Distylium 'PIIDIST-II' Plant Patent #24,409	30	24" HT.	3.5' O.C.
Ic'DB'	Dwarf Burford Holly	Ilex cornuta 'Burfordii Nana'	19	36" HT.	4' O.C.
Ch'F'	Prostrata Japanese Plum Yew	Cephalotaxu harringtonia var. drupacea 'Prostrata'	67	18" HT.	4' O.C.
Ri'ET'	Eleanor Tabor India Hawthorn	Raphiolepis indica 'Eleanor Tabor'	45	18" HT.	3' O.C.
Cp'GM'	Golden Mops Falsecypress	Chamaecyparis pisifera 'Golden Mops'	21	30" HT.	4' O.C.
Rx'BK'O'	Blushing Knock Out Rose (R)	Rosa x 'Blushing Knock Out' (R)	38	18" HT.	4' O.C.
Ic'N'	Needlepoint Holly	Ilex cornuta 'Needlepoint'	9	4' HT.	5' O.C.
Ic'C'	Carissa Holly	Ilex cornuta 'Carissa'	14	18" HT.	3.5' O.C.
Ic'Ch'	Chesapeake Japanese Holly	Ilex crenata 'Chesapeake'	5	5' HT.	5' O.C.
Tg'LA'	LeAnn Japanese Cleyera	Ternstroemia gymnanthera 'LeAnn'	14	5' HT.	6' O.C.
Axg'K'	Kaleidoscope Abelia	Abelia x grandiflora 'Kaleidoscope' P.P.# 16,988	4	18" HT.	3' O.C.
Cs'J'E'	Kanjiro Camellia	Camellia sasanqua 'Kanjiro'	5	4'-5' B' O.C.	Espalier Specimens
Lc'R'	Ruby Loropetalum	Loropetalum chinense 'Ruby'	6	24" 5' O.C.	
Ground Cover					
Ls	Creeping Lily Turf	Liriope spicatum	205	1 QT	1' O.C.
Lm'V'	Big Blue Lily Turf - Variegated	Liriope muscari 'variegata'	40	1 GAL	18" O.C.
Ornamental Grasses					
Ps'CC'	'Cape Coral' Fountain Grass	Pennisetum setaceum 'Cape Coral'	7	3 GAL	3.5' O.C.
Pa'C'	Dwarf Fountain Grass	Pennisetum alopecuroides 'Cassian'	11	3 GAL	2' O.C.



1 PLANTING PLAN | PHASE-II
1" = 30'-0"

No.	Date:	Issue Notes:

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Scale: 1"=40'-0" @ D-size	CS2301 of
Date: May 28, 2019	
Drawn By: STM	
Drawing No.: na	

LEGEND - Streetscape

- Street Light (Duke Energy)
- Pedestrian Light (Duke Energy)
- Area Light (Duke Energy)
- Bicycle Rack (Short-Term)
- Bicycle Locker (Long-Term)
- Park Bench
- Waste/Recycle Receptacles
- Planters
- Dog Station

TYPICAL GRASSPAVE2 DETAIL

SPECIFICATIONS
 UNIT SIZE - 50 CM X 50 CM X 2.5 CM (20" X 20" X 1")
 AVAILABLE IN 9 STANDARD ROLL SIZES
 UNIT WEIGHT - 510 GRAMS (18 OZ.) OR 2.0 KG (4.5 POUNDS)
 STRENGTH - 402 KG-CM (5720 PSF)
 COLOR - BLACK (STANDARD)
 RESIN - HDPE (WITH SOME POST-CONSUMER RECYCLED CONTENT)

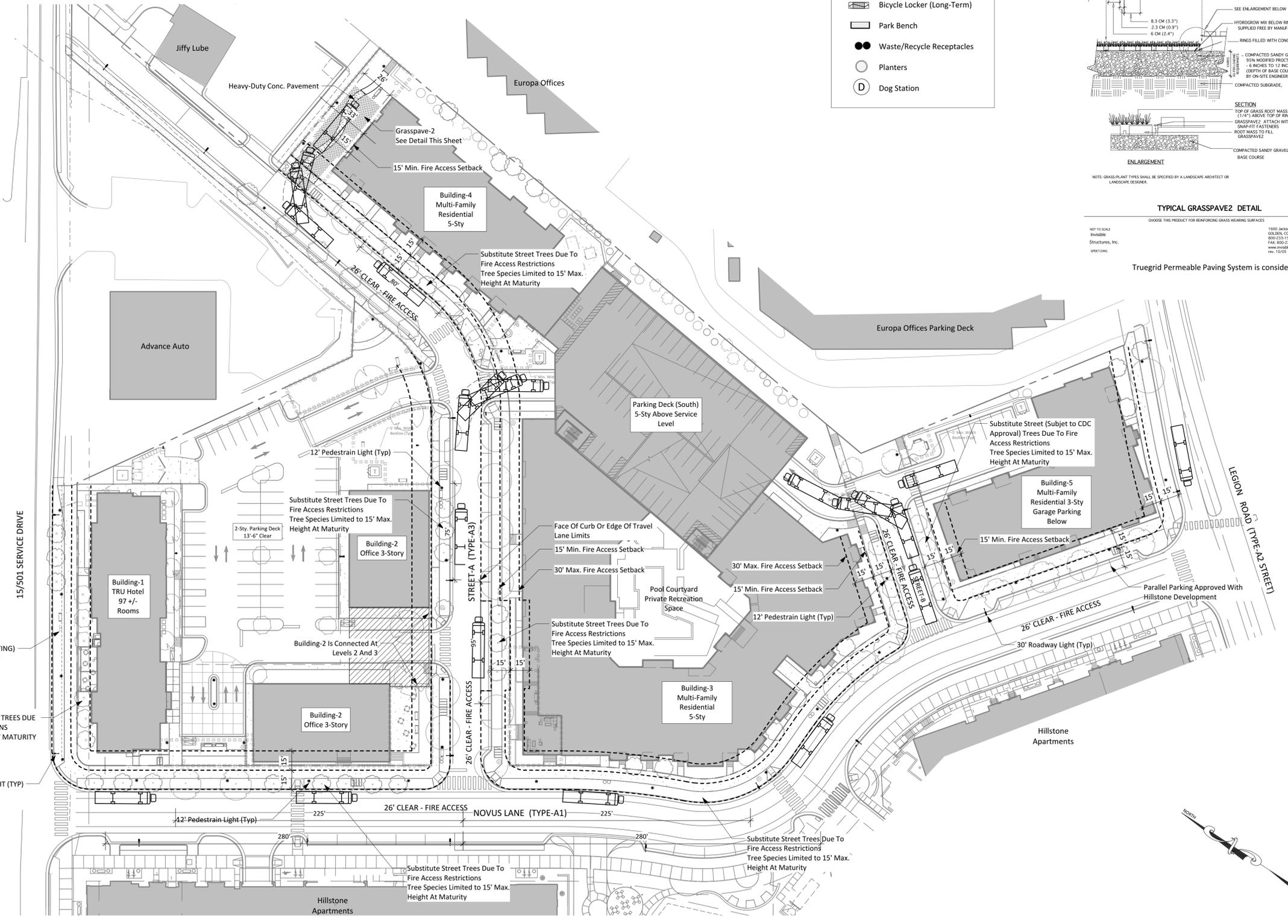
PLAN
 GRASSPAVE2 SQUARES
 ADJACENT GRASSPAVE2 SQUARES

SECTION
 TOP OF GRASS ROOT MAES 6 MM (1/4") ABOVE TOP OF RING
 GRASSPAVE2 ATTACH WITH SNAP-FIT FASTENERS
 ROOT MASS TO FILL GRASSPAVE2
 COMPACTED SANDY GRAVEL BASE COURSE

NOTE: GRASS/PLANT TYPES SHALL BE SPECIFIED BY A LANDSCAPE ARCHITECT OR LANDSCAPE DESIGNER.

1 OF 1

Truegrid Permeable Paving System is considered equal.



1 EMERGENCY VEHICLE ACCESS PLAN
 1" = 40'-0"



Scott Murray Land Planning, Inc.
274 Botetourt Ct. Boydton, VA 23917
252-213-9501 434-689-2925 (fax)
www.stmlandplan.com
smurray@stmlandplan.com

Project:

**Tarheel Lodging
Redevelopment**
Chapel Hill, North Carolina

Developer:

**Tarheel Lodging, LLC
and
Unicorn Group
Fifteen, LLC**

6110 Falconbridge Rd. ste. 200
Chapel Hill, North Carolina 27517

Sheet Title:

**Solid Waste
Collection
Plan**

Phases-I & II

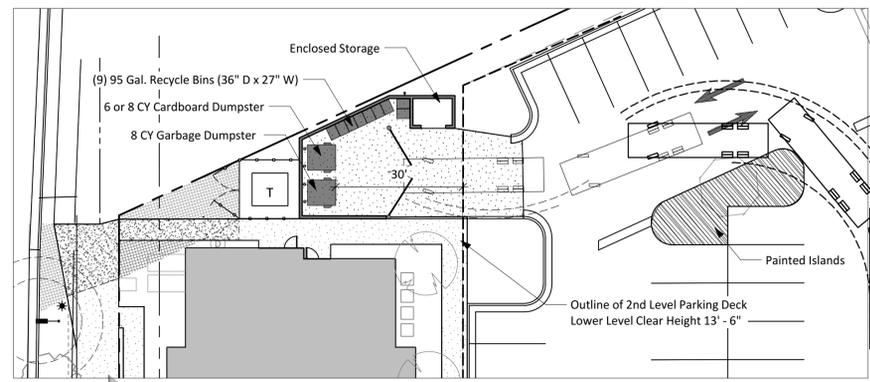
No. Date: Issue Notes:

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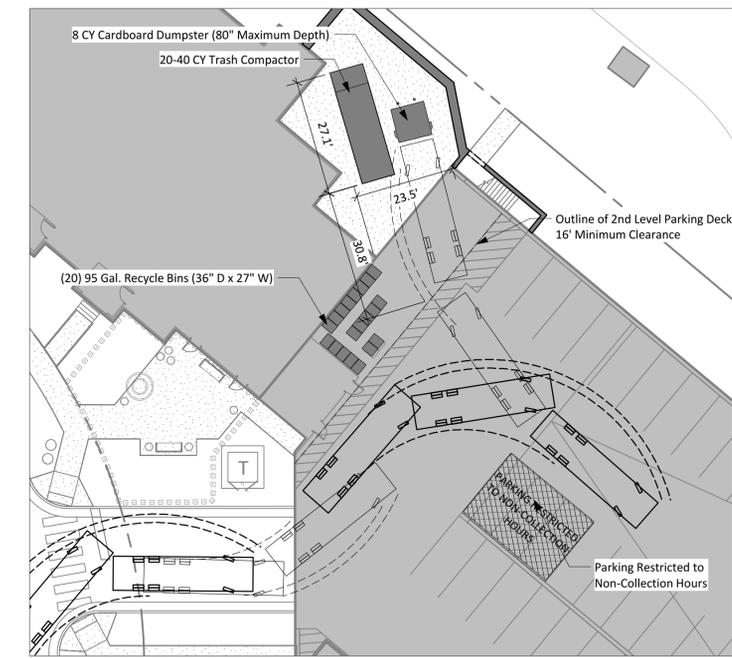
Scale:
1"=40'-0" @ D-size
Date:
May 28, 2019
Drawn By:
STM
Drawing No.:
na

CS2302
of

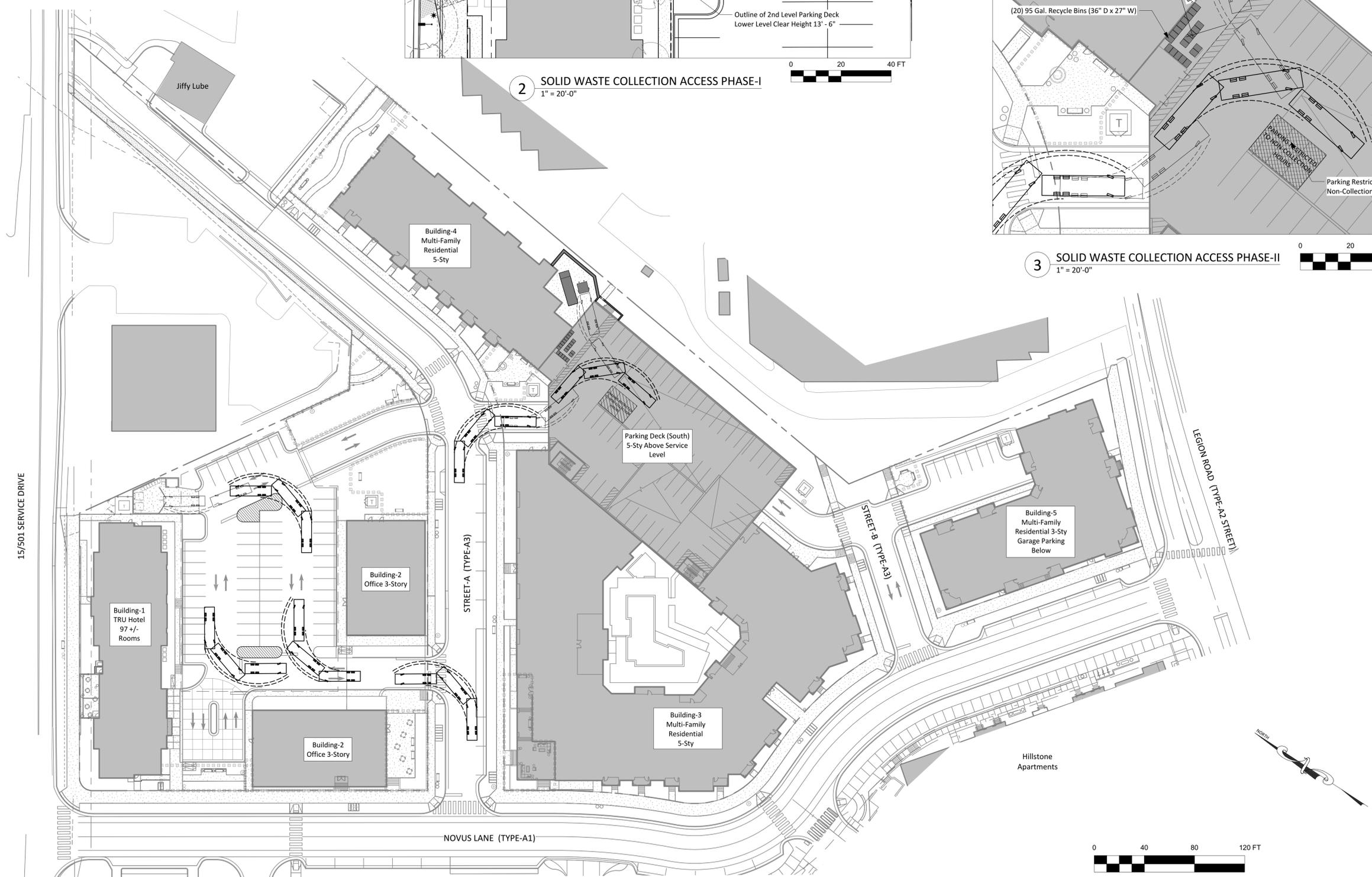
- General Notes**
1. All Truck Templates Illustrated are 33' Vehicle Length
 2. Waste Collection by Private Collector
 3. Collection from Building-5 to be Staged by Maintenance Personnel Using Roll-Out Carts in Building-5 Garage moved to Parking Deck-2 Service Area.



2 SOLID WASTE COLLECTION ACCESS PHASE-I
1" = 20'-0"



3 SOLID WASTE COLLECTION ACCESS PHASE-II
1" = 20'-0"



1 SOLID WASTE COLLECTION ACCESS PLAN
1" = 40'-0"

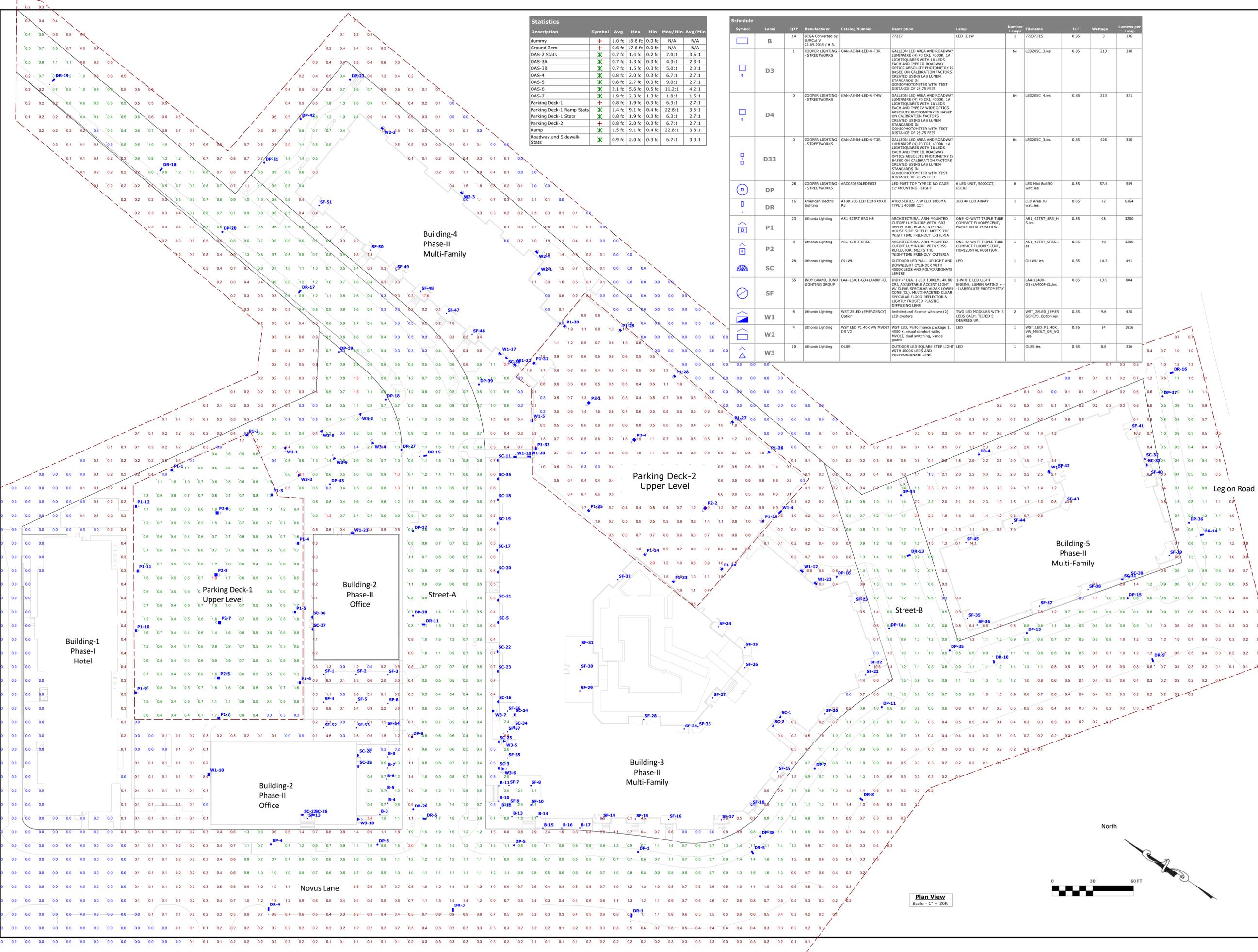
No.	Date:	Issue Notes:

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Scale: 1"=30'-0" @ D-size	CS2402
Date: May 28, 2019	
Drawn By: STM	
Drawing No.: na	

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Dummy	+	1.0 fc	16.6 fc	0.0 fc	N/A	N/A
Ground Zero	+	0.6 fc	17.6 fc	0.0 fc	N/A	N/A
OAS-2 Stats	+	0.7 fc	1.4 fc	0.2 fc	7.0:1	3.5:1
OAS-3A	+	0.7 fc	1.3 fc	0.3 fc	4.3:1	2.3:1
OAS-3B	+	0.7 fc	1.5 fc	0.3 fc	5.0:1	2.3:1
OAS-4	+	0.8 fc	2.0 fc	0.3 fc	6.7:1	2.7:1
OAS-5	+	0.8 fc	2.7 fc	0.3 fc	9.0:1	2.7:1
OAS-6	+	2.1 fc	5.6 fc	0.5 fc	11.2:1	4.2:1
OAS-7	+	1.9 fc	2.3 fc	1.3 fc	1.8:1	1.5:1
Parking Deck-1	+	0.8 fc	1.9 fc	0.3 fc	6.3:1	2.7:1
Parking Deck-1 Ramp Stats	+	1.4 fc	9.1 fc	0.4 fc	22.8:1	3.5:1
Parking Deck-1 Stats	+	0.8 fc	1.9 fc	0.3 fc	6.3:1	2.7:1
Parking Deck-2	+	0.8 fc	2.0 fc	0.3 fc	6.7:1	2.7:1
Ramp	+	1.5 fc	9.1 fc	0.4 fc	22.8:1	3.8:1
Roadway and Sidewalk Stats	+	0.9 fc	2.0 fc	0.3 fc	6.7:1	3.0:1

Schedule											
Symbol	Label	QTY	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	LLF	Wattage	Lumens per Lamp
B	B	14	BECA Converted by LUMCY			LED 2,1W	1	77237.JES	0.85	3	136
D3	D3	1	COOPER LIGHTING - STREETWORKS	GAN-AE-04-LED-U-T3R	GALLEON LED AREA AND ROADWAY LUMINAIRE (4) 70 CR, 4000K, 1A LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS ABSOLUTE PHOTOMETRY IS BASED ON CALIBRATION FACTORS CREATED USING LAB LUMEN STANDARDS IN GONDIOPHOTOMETER WITH TEST DISTANCE OF 28.75 FEET		64	LED205C_3.ies	0.85	213	330
D4	D4	0	COOPER LIGHTING - STREETWORKS	GAN-AE-04-LED-U-T4W	GALLEON LED AREA AND ROADWAY LUMINAIRE (4) 70 CR, 4000K, 1A LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS ABSOLUTE PHOTOMETRY IS BASED ON CALIBRATION FACTORS CREATED USING LAB LUMEN STANDARDS IN GONDIOPHOTOMETER WITH TEST DISTANCE OF 28.75 FEET		64	LED205C_4.ies	0.85	213	321
D33	D33	0	COOPER LIGHTING - STREETWORKS	GAN-AE-04-LED-U-T3R	GALLEON LED AREA AND ROADWAY LUMINAIRE (4) 70 CR, 4000K, 1A LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS ABSOLUTE PHOTOMETRY IS BASED ON CALIBRATION FACTORS CREATED USING LAB LUMEN STANDARDS IN GONDIOPHOTOMETER WITH TEST DISTANCE OF 28.75 FEET		64	LED205C_3.ies	0.85	426	330
DP	DP	28	COOPER LIGHTING - STREETWORKS	ARC050650LEU33	LED POST TOP TYPE III NO CAGE 12" MOUNTING HEIGHT	6 LED UNIT, 5000CCT, 65CRI	6	LED Mini Bell 50 watt.ies	0.85	57.4	559
DR	DR	16	American Electric Lighting	AT80 208 LED E10 XXXXX R3	AT80 SERIES 72W LED 1000MA TYPE 3 4000K CCT	208 4K LED ARRAY	1	LED Area 70 watt.ies	0.85	72	6264
P1	P1	23	Lithonia Lighting	AS1 42TRT SR3 HS	ARCHITECTURAL ARM-MOUNTED CUTOFF LUMINAIRE WITH SR3 REFLECTOR, BLACK INTERNAL HOUSE SIDE SHIELD, MEETS THE "NIGHTTIME FRIENDLY" CRITERIA	ONE 42-WATT TRIPLE TUBE COMPACT FLUORESCENT, HORIZONTAL POSITION.	1	AS1_42TRT_SR3.H 5.ies	0.85	48	3200
P2	P2	8	Lithonia Lighting	AS1 42TRT SR5S	ARCHITECTURAL ARM-MOUNTED CUTOFF LUMINAIRE WITH SR5S REFLECTOR, MEETS THE "NIGHTTIME FRIENDLY" CRITERIA	ONE 42-WATT TRIPLE TUBE COMPACT FLUORESCENT, HORIZONTAL POSITION.	1	AS1_42TRT_SR5S.1 ies	0.85	48	3200
SC	SC	28	Lithonia Lighting	OLLWU	OUTDOOR LED WALL UPLIGHT AND DOWNLIGHT CYLINDER WITH 4000K LEDS AND POLYCARBONATE LENSES	LED	1	OLLWU.ies	0.85	14.3	491
SF	SF	55	INDY BRAND, JUNO LIGHTING GROUP	LA4-1340I-G3+LA400F-CL	INDY 4" DIA. 1-LED 1300LM, 4K 80 CRI, ADJUSTABLE ACCENT LIGHT W/ CLEAR SPECULAR ALZAM LOWER CONE (CL), MULTI-FACETED CLEAR SPECULAR FLOOR REFLECTOR & LIGHTLY FROSTED PLASTIC DIFFUSING LENS	1-WHITE LED LIGHT ENGINE, LUMEN RATING = 1300LM/4" DIA. ABSOLUTE PHOTOMETRY	1	LA4-1340I-G3+LA400F-CL.ies	0.85	13.5	864
W1	W1	8	Lithonia Lighting	WST 2ELED (EMERGENCY) Option	Architectural Sconce with two (2) LED clusters	TWO LED MODULES WITH 3 LEDS EACH, TILTED 5 DEGREES UP.	2	WST_2ELED_(EMERGENCY)_Option.ies	0.85	9.6	420
W2	W2	4	Lithonia Lighting	WST LED P1 40K VW HVOLT DS VG	WST LED, Performance package 1, 4000 K, visual comfort wide, HVOLT, dual switching, vandal guard	LED	1	WST_LED_P1_40K_VW_HVOLT_DS_VG.ies	0.85	14	1816
W3	W3	10	Lithonia Lighting	OLSS	OUTDOOR LED SQUARE STEP LIGHT WITH HOOK LEDS AND POLYCARBONATE LENS	LED	1	OLSS.ies	0.85	8.8	336



Plan View
Scale = 1" = 30ft

70 Watt Mounting: 30' Black Fiberglass Pole Style: TBD
Subject to NCDOT & TCH Approval



Outdoor Lighting
Roadway LED



The Roadway LED is a green solution and great fit for streets, roads, long, narrow areas and parking lots. This energy-efficient luminaire delivers the light where it is needed while increasing visibility and reducing spill light to adjoining properties. Choose low to medium light output on wood or fiberglass poles (or mount on an existing pole). Available with one to four fixtures per pole, depending on the fixture/pole combination selected.

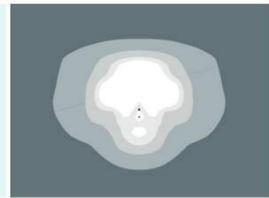
LED (Light Emitting Diode)	50 70 110 150 220 280 watts
Mounting heights	15', 20', 25', 30', 35'
Colors	Bronze Black Gray Green
Poles	Style A, C Wood

For additional information, visit duke-energy.com/OutdoorLighting or call us toll free: 800.544.6900 (OH and KY) 800.521.2232 (IN)



Outdoor Lighting
Roadway LED

Light source: LED (white)
Wattage: 50 | 70 | 110 | 150 | 220 | 280
Light pattern: IESNA Type III (oval)
IESNA cutoff classification: Full cutoff
Color temperature: 4,000K
Warm-up and restrike time: Instant on (no warm-up or restrike time)



Poles available:		
Name	Mounting height	Color
Aluminum	15', 20', 25', 30', 35'	Bronze Black Gray Green
Wood	25', 30', 35'	Standard

Features	Benefits
No installation cost	Frees up capital for other projects
Design services by lighting professionals included	Meets industry standards and lighting ordinances
Maintenance included	Eliminates high and unexpected repair bills
Electricity included	Less expensive than metered service
Warranty included	Worry-free
One low monthly cost on your electric bill	Convenience and savings for you
Turnkey operation	Provides hassle-free installation and service
Backed by over 40 years of experience	A name you can trust today ... and tomorrow

Fixture-DR

Mounting: 12' Black Pole Style: TBD

Outdoor Lighting
Mini Bell LED



The Mini Bell LED is an energy-efficient luminaire with a classic, sophisticated design. This fixture is an excellent choice for illuminating pathways and residential communities.

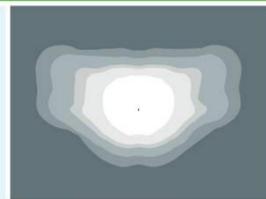
LED (Light Emitting Diode)	50 watts
Mounting height	12', 17'
Colors	Black Green
Poles	Style A, B, C, D, E, F
Applications	Neighborhoods Parks

For additional information, visit duke-energy.com/OutdoorLighting or call us toll free: 800.544.6900 (OH and KY) 800.521.2232 (IN)



Outdoor Lighting
Mini Bell LED

Light source: LED (white)
Wattage: 50
Lumens: 4,500
Light pattern: IESNA Type III (oval)
IESNA cutoff classification: Cutoff
Color temperature: 4,000K
Warm-up and restrike time: Instant on (no warm-up or restrike time)



Pole available:		
Name	Mounting height	Color
Aluminum	12', 17' (Style B pole only)	Black Green

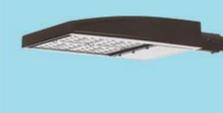
Features	Benefits
Little to no upfront capital cost required	Frees up capital for other projects
Design services by lighting professionals included	Meets industry standards and lighting ordinances
Maintenance included	Eliminates high and unexpected repair bills
Electricity included	Less expensive than metered service
Warranty included	Worry-free
One low monthly cost on your electric bill	Convenience and savings for you
Turnkey operation	Provides hassle-free installation and service
Backed by over 125 years of experience	A name you can trust today ... and tomorrow

Fixture-DP

Mounting: 30' Black Fiberglass Pole



Outdoor Lighting
Shoobox LED



The energy-efficient Shoobox LED combines a decorative, contemporary style with versatility and ample lighting effect that is perfect for streets, parking lots, commercial buildings and residential communities. The Shoobox LED provides excellent color rendition along with a controlled light pattern that reduces glare and keeps the light directed only where you want it. Available in black or dark bronze with one to four fixtures per pole.

LED (Light Emitting Diode)	205 watts
Mounting heights	30', 35'
Colors	Black Bronze
Poles	Fiberglass Decorative tapered metal Decorative square metal
Application	Parking lots

For additional information, visit us at duke-energy.com/OutdoorLighting or call us toll free at 866.769.6417.



Outdoor Lighting
Shoobox LED

Light source: LED (white)
Wattage: 205
Replacement for:* One 400-watt metal halide Shoobox; two Shoobox LEDs needed to replace one 1,000-watt metal halide Cube
Lumens: 20,555 – 21,803 (fixture dependent)
IES Backlight-Uplight-Glare (BUG) rating:¹
Type V | B5-U0-G3 (zero light at and above 90°)
Type IV | B3-U0-G4 (zero light at and above 90°)
Type III | B2-U0-G4 (zero light at and above 90°)
Light pattern:
LED 205 | IED Type V (circular)
LED 205 | IES Type IV (forward throw)
LED 205 | IES Type III (oval)
IESNA Cutoff Classification: Full cutoff
Color temperature:² 4,000K
Warm-up and restrike time: Instant on (no warm-up or restrike time)



Poles available:		
Name	Mounting height	Color
Round tapered decorative metal*	35'	Black Bronze
Decorative square metal*	30'	Black Bronze
Fiberglass	30', 35'	Black

Features	Benefits
Little or no installation cost	Frees up capital for other projects
Design services by lighting professionals included	Meets industry standards and lighting ordinances
Maintenance included	Eliminates high and unexpected repair bills
Electricity included	Less expensive than metered service
Warranty included	Worry-free
One low monthly cost on your electric bill	Convenience and savings for you
Turnkey operation	Provides hassle-free installation and service
Backed by over 40 years of experience	A name you can trust today ... and tomorrow

*2' raised foundation available when required.

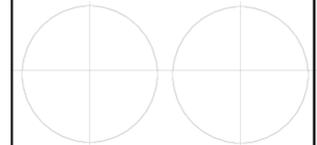
Fixture-D3, D4 & D33

Project:
**Tarheel Lodging
Redevelopment**

Developer:
**Tarheel Lodging, LLC
and
Unicorn Group
Fifteen, LLC**
6110 Falconbridge Rd. Ste. 200
Chapel Hill, NC 27517

Sheet Title:
**Lighting
Details**

No.	Date:	Issue Notes:



Design Firm:
Scott Murray Land Planning, Inc.
274 Botetourt Q. Boynton, VA 23917
1450 Environ Way Chapel Hill, NC 27517
252-213-9501 434-689-2925 (fax)
www.stmlandplan.com
smurray@stmlandplan.com

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Scale:	CS2403
Date: May 28, 2019	
Drawn & Checked By: STM	
Surveyed:	

of

LED garden and pathway bollard

Post construction: One piece extruded aluminum. All aluminum in the construction is marine grade and copper free.
Lamp Enclosure: One piece die cast aluminum housing attached to post by two (2) stainless steel set screws. Matte safety glass lens. Fully gasketed using a one piece molded silicone gasket.

Electrical: 2.1W LED luminaire, 3.4 total system watts, -30°C start temperature. Integral 12V AC driver provided must be operated using remote magnetic transformer. Standard LED color temperature is 5000K with a >90 CRI.

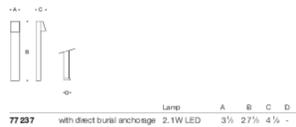
Note: LEDs supplied with luminaires. Due to the dynamic nature of LED technology, LED luminaire data on this sheet is subject to change at the discretion of BEGA-US. For the most current technical data, please refer to www.bega-us.com.
Anchor base: Anchor post provided made of galvanized steel. Bollards are secured to post using two (2) stainless steel set screws.

Finish: Available in four standard BEGA colors: Black (BLK); White (WHT); Bronze (BRZ); Silver (SLV). To specify add appropriate suffix to catalog number. Custom colors supplied on special order.

Please note: BEGA's approach to product design is to innovate, not follow. With a steadfast commitment to quality, each product is conceived to satisfy a general or specific lighting task as defined by its architectural or exterior surroundings. The Home and Garden Collection is designed specifically for use in Residential and Light Commercial applications. Please reference our standard BEGA portfolio when mounting provisions for the rigorous demands of high-use commercial and/or vandal prone settings are required.

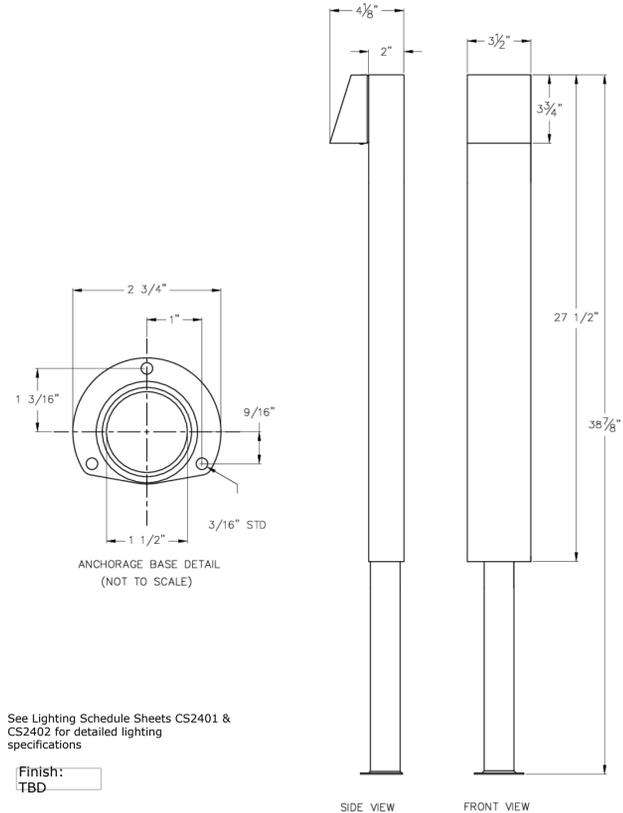
CSA certified to U.S. and Canadian standards, suitable for wet locations. Protection class IP65.
Weight: 6.3 lbs.
Luminaire Lumens: 136

Type: Bollard
 BEGA Product: 77237
 Project: The Wade
 Voltage: 12v
 Color: Black
 Options: none
 Modified: N/A



BEGA 1000 Bega Way, Carpinteria, CA 93013 (805) 684-0533 FAX (805) 566-9474 www.bega-us.com
 Copyright BEGA 2017 Updated 02/17

1. LUMINAIRE # 77 237 - SEE SPECIFICATIONS



See Lighting Schedule Sheets CS2401 & CS2402 for detailed lighting specifications

Finish: TBD

TYPE: Fixture-B

SUBMITTAL APPROVAL		CAT NO.: 77 237	BEGA 1000 Bega Way Carpinteria, CA 93013 (805) 684-0533
APPROVED BY:	DATE:	PROJECT:	
SIGNED:	DATE:	LOCATION:	
REV.	DATE	DESCRIPTION	DRAWN: AV DATE: 8/5/15 File Name: 77237.dxf

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Catalog Number	OLLWU Finish: TBD
Notes	See Lighting Schedule Sheets CS2401 & CS2402 for detailed lighting specifications
Type	

FEATURES & SPECIFICATIONS

INTENDED USE
 Provides years of maintenance-free illumination for outdoor use in residential & commercial applications. Ideal for applications such as lighting walkways and stairways for safety and security.

CONSTRUCTION
 Cast aluminum housing with corrosion resistant paint in either dark bronze or white finish. ADA compliant.

OPTICS
 4000K LED LEDs.
 Polycarbonate lens protects the LED from moisture, dirt and other contaminants.

LUMEN MAINTENANCE: The LED will deliver 70% of its initial lumens at 50,000 hour average LED life. See Lighting facts label on page 2 for performance details.

ELECTRICAL
 MVOLT driver operates on any line voltage from 120-277V.
 Operating temperature -30°C to 40°C.
 1KV surge protection standard.

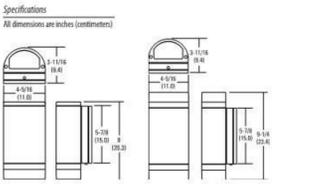
INSTALLATION
 Surface mounts to universal junction box (provided by others).

LISTINGS
 UL Listed in U.S. and Canadian safety standards for wet locations. Tested in accordance with IESNA LM-79 and LM-80 standards.

WARRANTY
 Five-year limited warranty. Full warranty terms located at www.AcutyBrands.com/CustomersResources/Terms_and_Conditions.aspx. Note: Specifications are subject to change without notice.

Actual performance may differ as a result of end-use environment and application.

Outdoor General Purpose
OLLWD & OLLWU
 LED WALL CYLINDER LIGHT



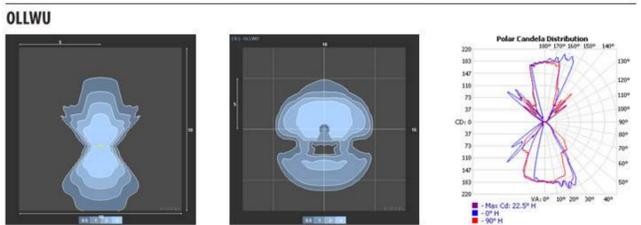
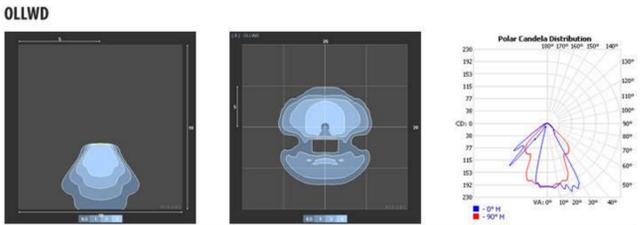
ORDERING INFORMATION For shortest lead times, configure products using bolded options. Example: OLLWU

Series	Color temperature (CCT)	Voltage	Finish
OLLWD Downtight	(blank) 4000K	(blank) MVOLT (120V-277V)	DOB Dark bronze
OLLWU Up & Downtight			WH White

DECORATIVE INDOOR & OUTDOOR OLLWU-OLLWU

OLLWD & OLLWU LED Wall Cylinder Light

PHOTOMETRICS
 To see complete photometric reports or download .as files for this product, visit Lithonia Lighting's Outdoor LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards.



Lighting facts	Lighting facts	
Light Output (Lumens)	270	500
Watts	9	14
Lumens per Watt (Efficacy)	30	34
Color Accuracy (Color Rendering Index)	75	74
Lamp Color Temperature (K)	4000 (Bright White)	4000 (Bright White)



DECORATIVE INDOOR & OUTDOOR One Lithonia Way, Conyers, GA 30012 Phone: 1-800-278-8041 Fax: 770-859-3903 www.lithonia.com © 2012-2019 Acuity Brands Lighting, Inc. All rights reserved. Rev. 10/20/13

Fixture-SC



Catalog Number	
Notes	Refer to Architectural/Electrical Plans for final selection and mounting specifications
Type	

FEATURES & SPECIFICATIONS

INTENDED USE — The CLX is a linear lighting solution that is available in multiple lengths, lumen packages and distributions. Designed for versatility, the CLX can address virtually any indoor lighting need. The CLX is also offered in standard and high efficiency configurations and capable of being continuous reconnected or installed as a stand-alone fixture. Ideal for uplight and downlight in commercial, retail, manufacturing, warehouse, and display applications. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate. Click here for Acrylic/Polycarbonate Compatibility table for suitable uses.**

CONSTRUCTION — Channel and cover are formed from code-gauge cold-rolled steel. Housing and lens-end caps are injection molded plastics to provide a more architectural look and feel. The end caps cover standard with 1/8" knock-out for continuous mounting but can be ordered without.
 Finish: Paint system includes high-gloss, baked white polyurethane (WU), galvanized (GAL), matte black (MB) and smoke gray (SGY). Five-stage zinc phosphate pre-treatment ensures superior paint adhesion and rust resistance.

OPTICS — Offered with up-light and low beam configurations. Provides a choice of optical distributions including, wide-narrow, and jack.

ELECTRICAL — Utilizes high output LEDs integrated on a two-layer circuit board, ensuring cool-running operation. Optional internal pluggable wiring harness for reduced labor cost in row mounting applications. See PFC, ordering information on page 15. Electronic LED drivers include wide range and 0-10V dimming standard (see Operational Data on page 12 for actual wattage consumption). This fixture is designed to withstand a maximum line surge of 2.5kV at 0.75KA combination wave for indoor locations, for applications requiring higher level of protection additional surge protection must be provided. 170-100,000 hours at 25°C.

LEDs provide nominal 80 CRI or 90CRI at 3000 K, 3500 K, 4000 K, or 5000K.
 lumen output up to 2,500 lumens per foot.

INSTALLATION — Fixture may be ceiling or wall mounted with or without THXCA hanger or angle mounted with CLXAG87H, pendant or stem mounted with appropriate mounting options.

LISTINGS — CSA certified to U.S. and Canadian safety standards. For use in damp locations between -4°F (-20°C) and 104°F (40°C). Optional High Ambient (HA) ranging to 122°F (50°C) available on certain lumen packages (See ambient temperature chart for additional information).
 Designlights Consortium (DLC) Premium qualified product and DLC qualified product. All wall versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Product List at www.designlights.org/DLC to confirm which versions are qualified.

WARRANTY — 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomersResources/Terms_and_Conditions.aspx

Note: Actual performance may differ as a result of end-use environment and application. All values are design or typical values, measured under laboratory conditions at 25°C. Specifications subject to change without notice.

LED Linear
CLX

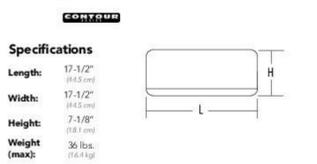


Stock configurations are offered for shorter lead times:

Stock Part Number	UPC	DLC CPL Product ID	DLC Premium
CLXL48 3000LM SEF FOL MVOLT G210 40K BROWN WH	001972352586	PANVC24	Yes
CLXL48 3000LM SEF FOL MVOLT G210 50K BROWN WH	001972352585	PANV24VL	Yes
CLXL48 5000LM SEF FOL MVOLT G210 40K BROWN WH	001972352599	P779220	Yes
CLXL48 5000LM SEF FOL MVOLT G210 50K BROWN WH	001972352608	P8AC24H	Yes
CLXL6 4000LM SEF FOL MVOLT G210 40K BROWN WH	001972352661	P8V505E	Yes
CLXL6 4000LM SEF FOL MVOLT G210 50K BROWN WH	001972352662	P8V505E	Yes
CLXL16 10000LM SEF FOL MVOLT G210 40K BROWN WH	001972352682	P8V505E	Yes
CLXL16 10000LM SEF FOL MVOLT G210 50K BROWN WH	001972352683	P8V505E	Yes
CLXL48 3000LM SEF RDL MVOLT G21 40K BROWN WH	001972352660	PANVC24	Yes
CLXL48 3000LM SEF RDL MVOLT G21 50K BROWN WH	001972352661	PANV24VL	Yes
CLXL48 5000LM SEF RDL MVOLT G21 40K BROWN WH	001972352664	P8AC24H	Yes
CLXL48 5000LM SEF RDL MVOLT G21 50K BROWN WH	001972352665	P8V505E	Yes
CLXL16 4000LM SEF RDL MVOLT G21 40K BROWN WH	001972352678	P8V505E	Yes
CLXL16 4000LM SEF RDL MVOLT G21 50K BROWN WH	001972352679	P8V505E	Yes
CLXL16 10000LM SEF RDL MVOLT G21 40K BROWN WH	001972352681	P8V505E	Yes
CLXL16 10000LM SEF RDL MVOLT G21 50K BROWN WH	001972352682	P8V505E	Yes

INDUSTRIAL CLX Page 1 of 16

KACM LED
 LED Surface Luminaire



ORDERING INFORMATION EXAMPLE: KACM LED 60C 700 50K R5 MVOLT SRM DDBXD

Series	LEDs	Drive current	Color Temp	Distribution	Voltage	Mounting
KACM LED	20C ¹	150 ¹ 150mA	30K 1000K	R2 Type I	120V ^{1,2}	Shipped installed
	30C ¹	700 700mA	40K 4000K	R2 Type II	120V ^{1,2} 277V ¹	SRM Surface mount
	40C ¹		50K 5000K	R4 Type IV	208V ^{1,3} 347V ^{1,3}	WV Wire-wire condition
	60C			R5 Type V very short	240V ^{1,3} 480V ^{1,3}	(Provide details)

System	Finish/Options
Shipped installed	DOB Dark bronze
DF Single face (120, 277, 347V) ¹	DBXD Black
BF Double face (208, 346, 480V) ¹	DBXD Rust of aluminum
PFB Ambient illumination sensor, 8'-15' mounting height ^{1,4}	DBXD White
PFR Ambient illumination sensor, 15-30' mounting height ^{1,4}	DBXD Treated dark bronze
PRBFCV Motion/ambience sensor for 8'-15' mounting heights and typical applications requiring daylight harvesting and 0-10V dimming ^{1,4,5}	DBXD Treated black
PRBFCV Motion/ambience sensor for 15-30' mounting heights and typical applications requiring daylight harvesting and 0-10V dimming ^{1,4,5}	DBXD Treated natural aluminum
	DBXD Treated white

Accessories	Shipped separately ⁶
KACMLED010	BL30 30-lead switched dimming, 300V ^{1,11}
KACMLED020	BL50 30-lead switched dimming, 500V ^{1,11}
	HS Hooded shield

Notes:
 1. 20C or 30C LED are not available with 530 Drive current and 347V or 480V.
 2. MVOLT driver operates on any line voltage from 120-277V (50/60Hz). Single face (DF) requires 120, 277 or 347 voltages system. Double face (DF) requires 208, 240 or 480 voltages system.
 3. May fit with BL30, BL50 or PRBFCV is not available with 208V, 240V, 347V, 480V or MVOLT. It is only available in 120V or 277V specified.
 4. Also available as a separate accessory, see Accessories information at page 14.
 5. PRB & PRBFCV specifies the Acuity Controls (AC) motion/ambience sensor. PRB & PRBFCV specifies the Acuity Controls (AC) 0-10V motion/ambience sensor.
 6. Refer to the Motion Sensor table.
 7. PRBFCV and PRBFCV are not available with 0 level, PFI, or DCI motion sensor. But only sense motion.
 8. Requires an additional neutral/ground circuit.
 9. Dimming driver standard, MVOLT only.
 10. Not available with PRBFCV and PRBFCV.



One Lithonia Way • Conyers, Georgia 30012 • Phone: 800-278-8041 • www.lithonia.com
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Fixture-CLX & KACM-LED



Landscape Architecture | Environmental Design | Project Management

Project:

Tarheel Lodging
 Redevelopment

Developer:

Tarheel Lodging, LLC
 and
 Unicorn Group
 Fifteen, LLC
 6110 Falconbridge Rd. Ste. 200
 Chapel Hill, NC 27517

Sheet Title:

Lighting
 Details

No.	Date:	Issue Notes:
-----	-------	--------------



Design Firm:
Scott Murray Land Planning, Inc.
 274 Botetourt Ct., Boynton, VA 23917
 1450 Environ Way Chapel Hill, NC 27517
 252-213-9501 434-689-2925 (fax)
www.stmlandplan.com
smurray@stmlandplan.com

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Scale:	CS2405
Date:	
May 28, 2019	
Drawn & Checked By:	
STM	
Surveyed:	of



FEATURES & SPECIFICATIONS

INTENDED USE
Provides years of maintenance-free illumination for outdoor use in residential & commercial applications. Ideal for applications such as lighting walkways and stairways.

CONSTRUCTION
Cast aluminum housing with corrosion resistant paint in either dark bronze or white finish.
ADA compliant.

OPTICS
4000K CCT LED.
Polycarbonate lens protects the LED from moisture, dirt and other contaminants.
LUMEN MAINTENANCE: The LED will deliver 70% of its initial lumens at 50,000 hour average LED life. See Lighting Facts label on page 2 for performance details.

ELECTRICAL
MVOLT driver operates on any line voltage from 120-277V.
Operating temperature -30°C to 40°C.
IP67 water protection standard.

INSTALLATION
Surface mount to universal junction box (provided by others).

LISTINGS
UL Listed to U.S. and Canadian safety standards for wet locations.
Tested in accordance with IESNA LM-79 and LM-80 standards.

WARRANTY
Five-year limited warranty.
Full warranty terms located at www.AcuityBrands.com/CustomerResources/Forms_and_Conditions.aspx.

Note: Specifications are subject to change without notice.

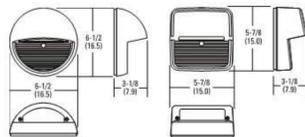
Actual performance may differ as a result of end-user environment and application.

Catalog Number: OLSS DDB
 Notes: See Lighting Schedule Sheets CS2401 & CS2402 for detailed lighting specifications.
 Type: Refer to Architectural/Electrical Plans for final mounting specifications.

**Outdoor General Purpose
OLSR & OLSS
LED STEP LIGHT**



Specifications
 All dimensions are inches (centimeters)



ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative. **Example: OLSS DDB**

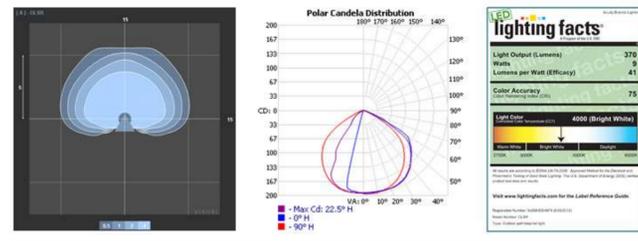
Series	Color temperature (CCT)	Voltage	Finish
OLSR - Step light round	(blank) 4000K	(blank) MVOLT (120V-277V)	DDB Dark bronze
OLSS - Step light square	(blank) 4000K	(blank) MVOLT (120V-277V)	WH White

OLSR & OLSS LED Step Light

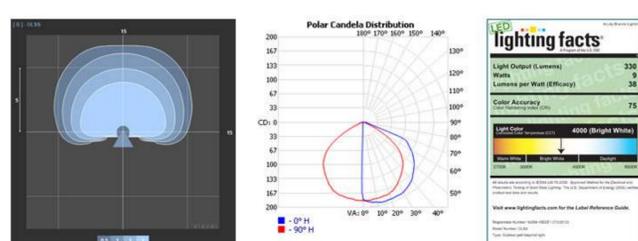
PHOTOMETRICS

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

OLSR



OLSS



DECORATIVE INDOOR & OUTDOOR One Lithonia Way, Conyers, GA 30012 Phone: 1-800-279-8041 Fax: 770-889-3903 www.lithonia.com © 2012-2013 Acuity Brands Lighting, Inc. All rights reserved. Rev. 10/30/13

Fixture-W2

Project:

**Tarheel Lodging
Redevelopment**

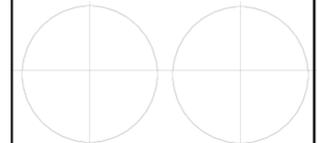
Developer:

**Tarheel Lodging, LLC
and
Unicorn Group
Fifteen, LLC**
6110 Falconbridge Rd. Ste. 200
Chapel Hill, NC 27517

Sheet Title:

**Lighting
Details**

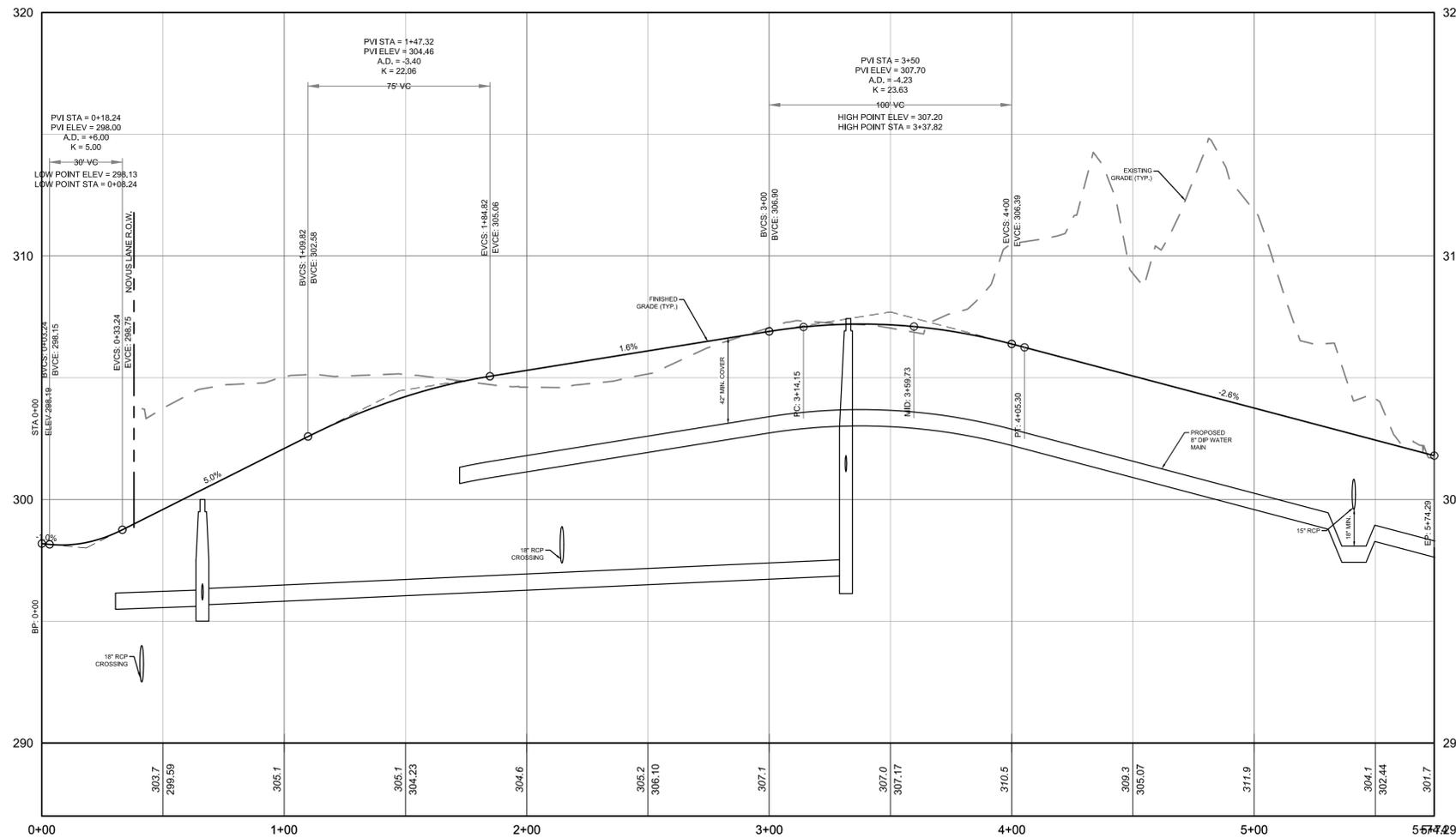
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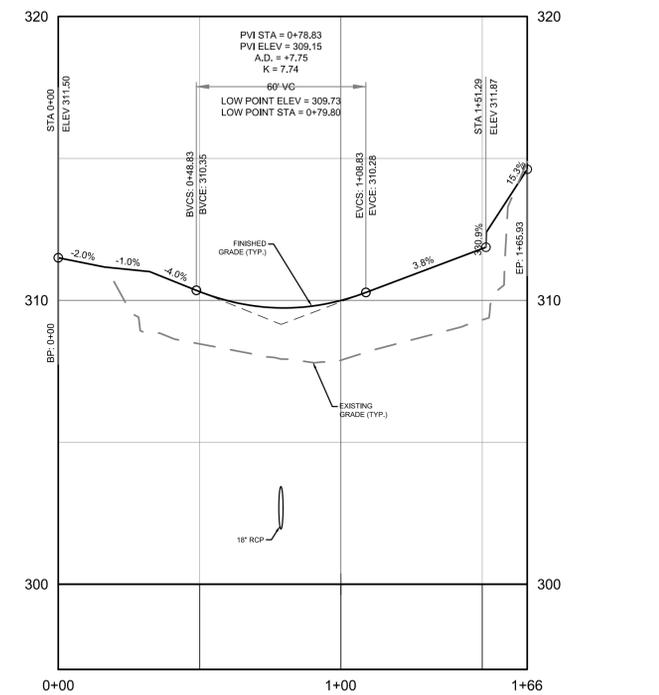
Design Firm:
Scott Murray Land Planning, Inc.
274 Botetourt Q. Boydton, VA 23917
1450 Environ Way Chapel Hill, NC 27517
252-213-9501 434-689-2925 (fax)
www.stmlandplan.com
smurray@stmlandplan.com

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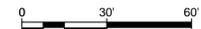
Scale:	CS2406 of
Date: May 28, 2019	
Drawn & Checked By: STM	
Surveyed:	



PROPOSED ROAD 'A' PROFILE
 HORIZONTAL SCALE: 1" = 30'
 VERTICAL SCALE: 1" = 3'



PROPOSED ROAD 'B' PROFILE
 HORIZONTAL SCALE: 1" = 30'
 VERTICAL SCALE: 1" = 3'



NOT FOR CONSTRUCTION



PENNONI ASSOCIATES, INC.
 F-1287
 5430 Wade Park Boulevard, #106
 Raleigh, NC 27607
 T 919.929.1173 F 919.493.6548

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK



TARHEEL LODGING REDEVELOPMENT
 1742 FORHAM BLVD.
 CHAPEL HILL, NC

PROPOSED ROAD PROFILES

TARHEEL LODGING, LLC & UNICORN GROUP FIFTEEN, LLC
 6110 FALCON BRIDGE ROAD
 CHAPEL HILL, NC 27517

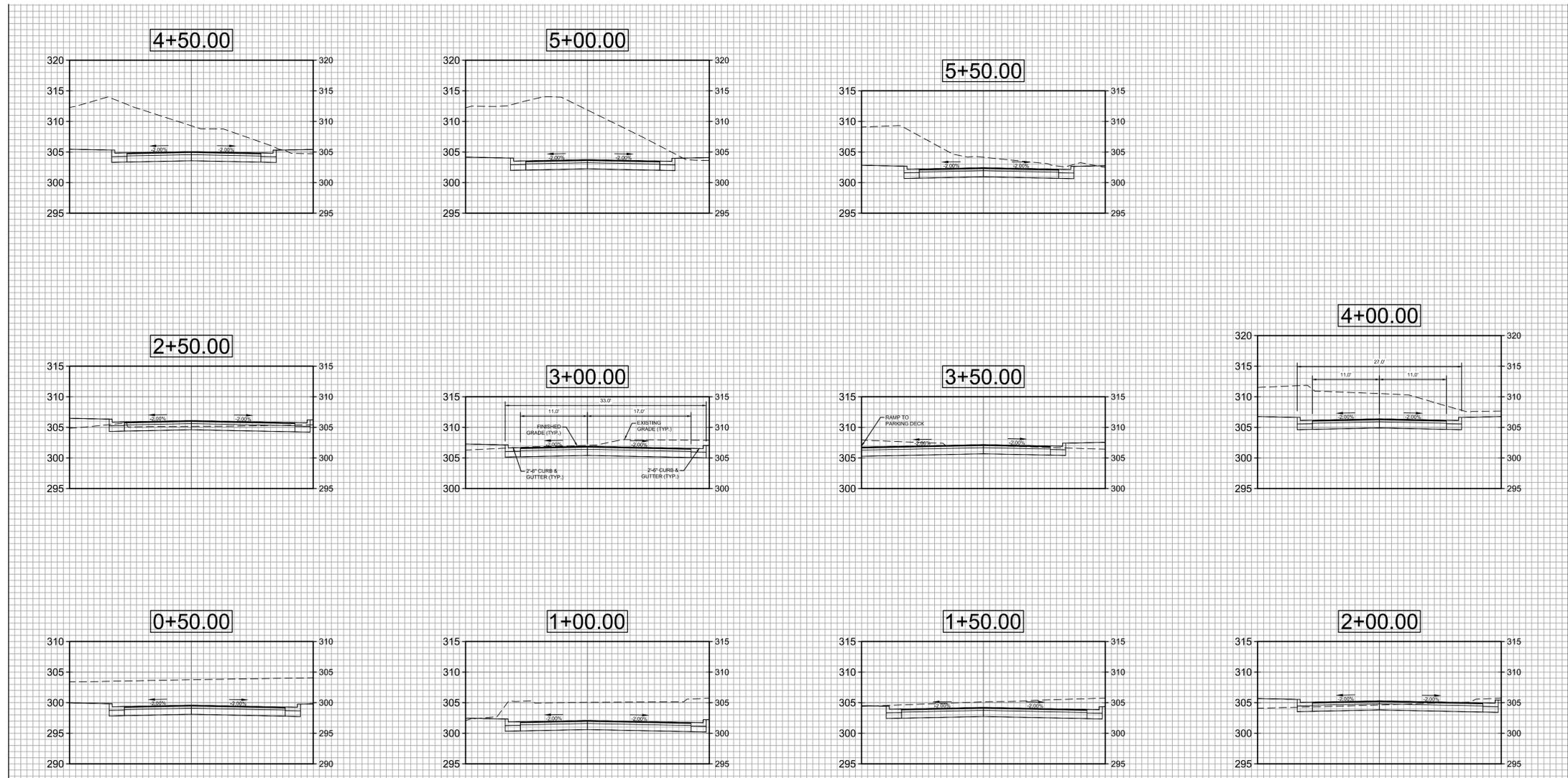
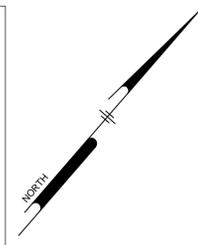
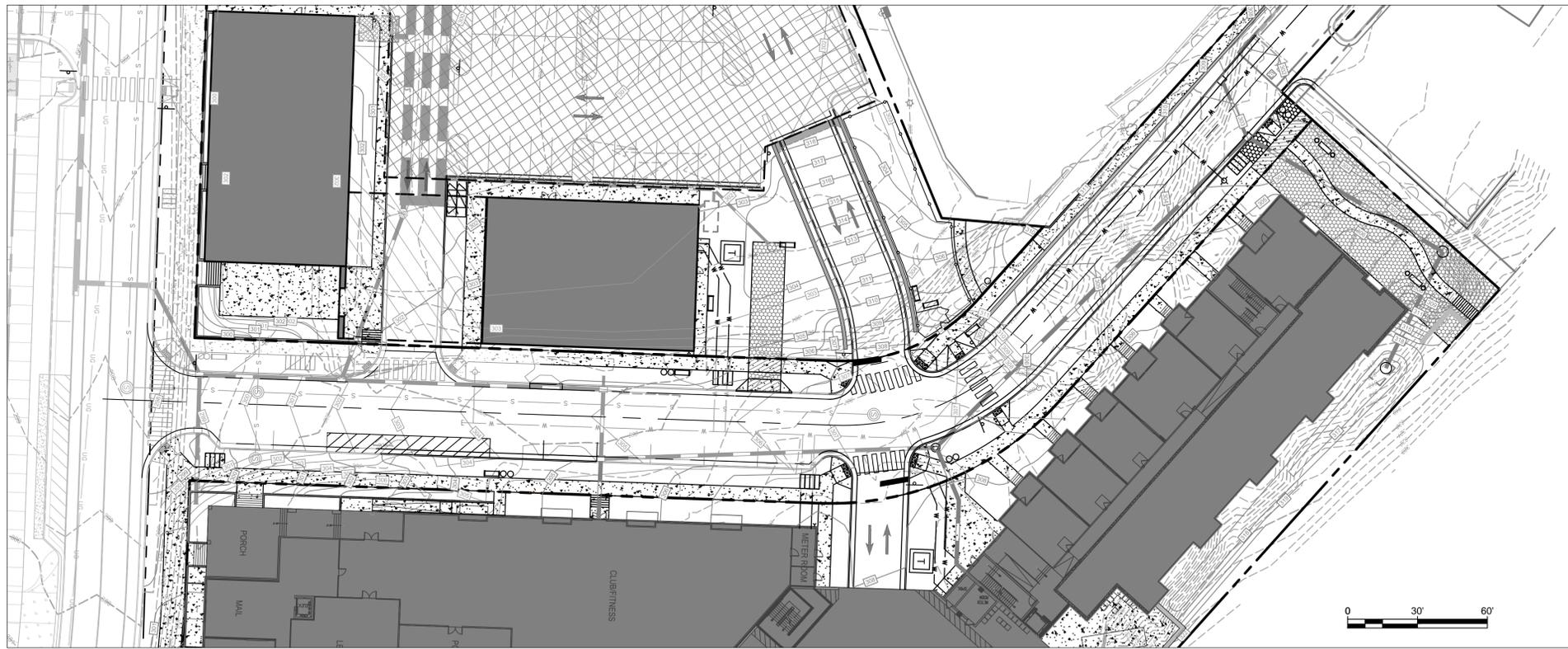
NO.	DATE	REVISIONS	BY
5	05/28/2019	REV PER TOWN COMMENTS	SAK
4	04/08/2019	REV PER TOWN COMMENTS	CSB
3	06/14/2018	REV PER TOWN COMMENTS	CSB
2	07/20/2018	REV PER COMPLETENESS REVIEW	CSB
1	07/09/2018	REV PER TOWN & OWASA COMMENTS	CSB

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PROJECT	RKINV18001
DATE	2018-05-21
DRAWING SCALE	1" = 30'
DRAWN BY	RLM/CSB
APPROVED BY	JUB

CS3501
 SHEET 35 OF 58

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Pennoni
 Firm License
 F-1287
PENNONI ASSOCIATES, INC.
 5430 Wade Park Boulevard, #106
 Raleigh, NC 27607
 T 919.929.1173 F 919.493.6548

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TARHEEL LODGING REDEVELOPMENT
 1742 FORHAM BLVD.
 CHAPEL HILL, NC

ROAD 'A' CROSS SECTIONS

TARHEEL LODGING, LLC & UNICORN GROUP FIFTEEN, LLC
 6110 FALCON BRIDGE ROAD
 CHAPEL HILL, NC 27517

NO.	DATE	REVISIONS	BY
5	05/28/2019	REV. PER TOWN COMMENTS	SAK
4	04/08/2019	REV. PER TOWN COMMENTS	CSB
3	06/14/2018	REV. PER TOWN COMMENTS	CSB
2	07/20/2018	REV. PER COMPLETENESS REVIEW	CSB
1	07/09/2018	REV. PER TOWN & OVA&A COMMENTS	CSB

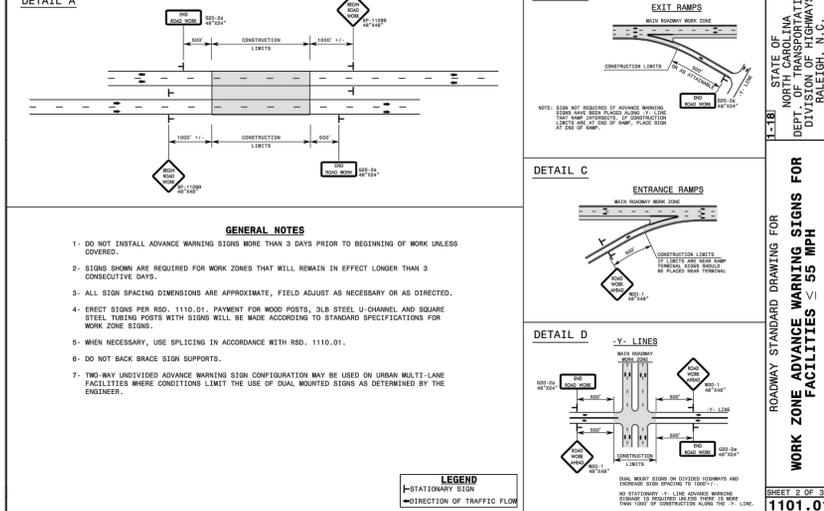
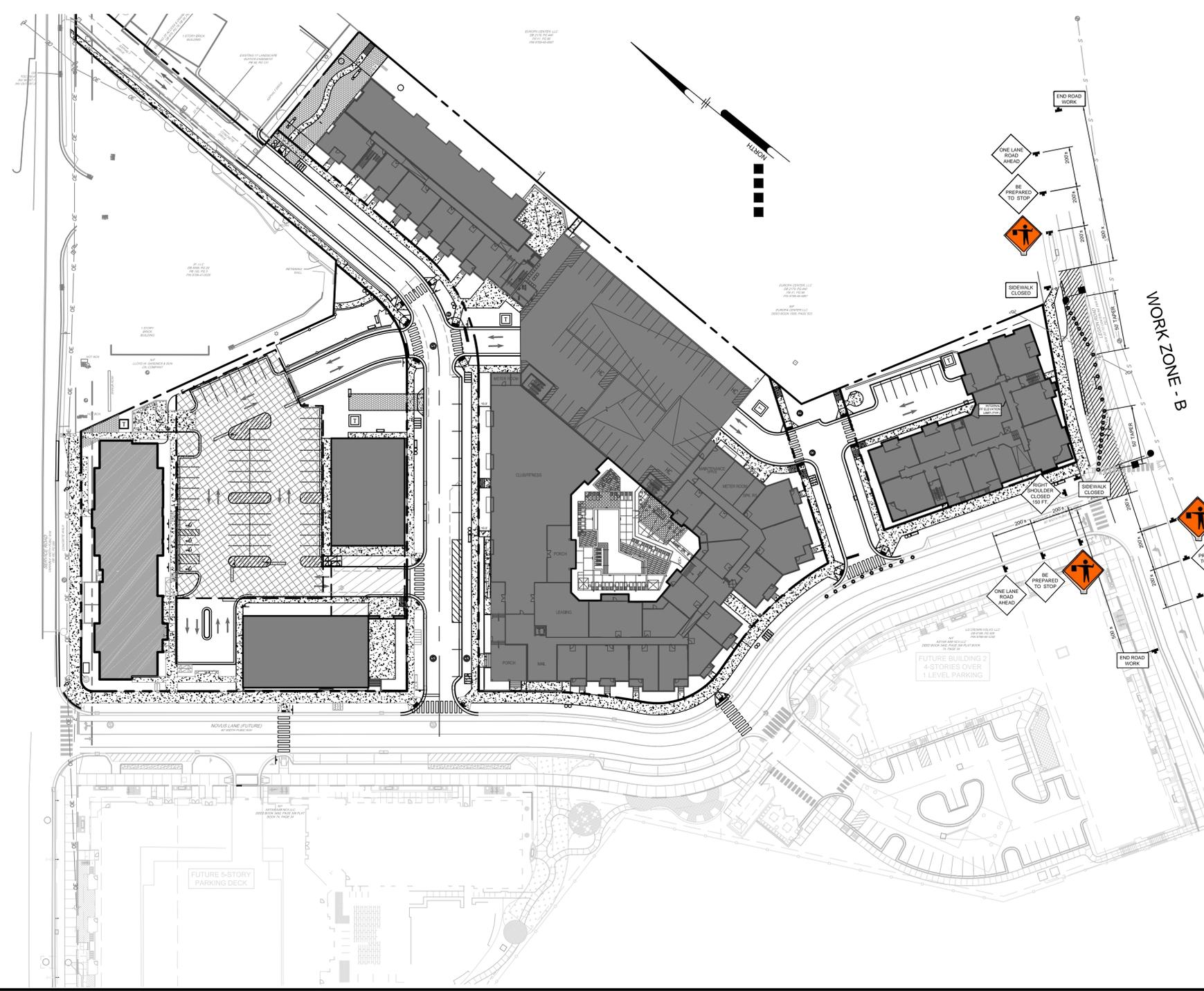
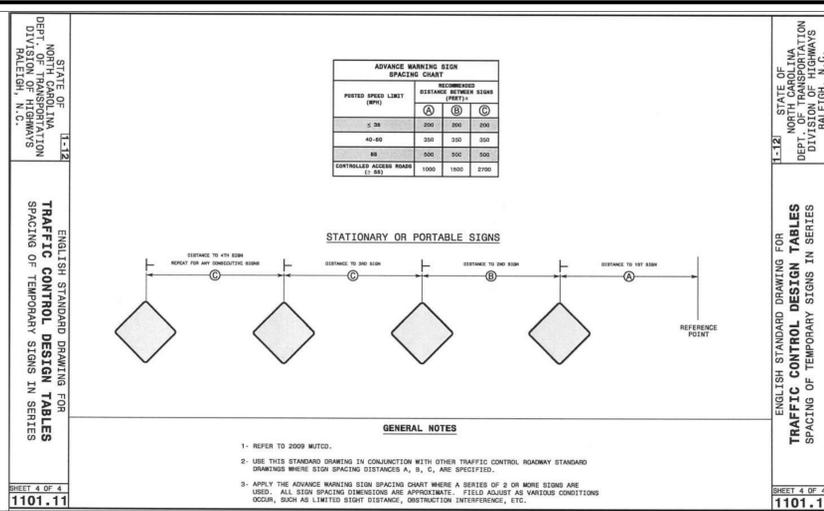
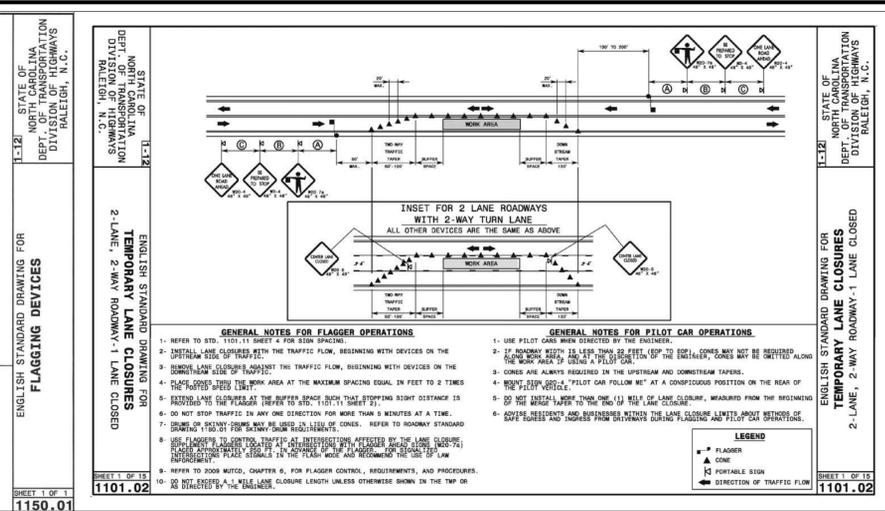
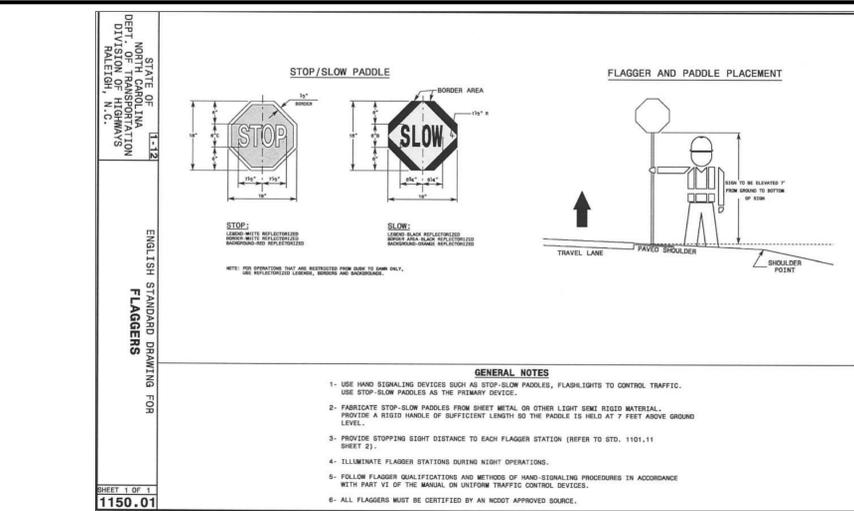
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PROJECT: **RKINV18001**
 DATE: 2018-05-21
 DRAWING SCALE: **AS SHOWN**
 DRAWN BY: **RLM/CSB**
 APPROVED BY: **JUB**

CS3502
 SHEET 36 OF 58

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Pennoni
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PENNONI ASSOCIATES, INC.
5430 Wade Park Boulevard, #106
Raleigh, NC 27607
T 919.929.1173 F 919.493.6548

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TARHEEL LODGING REDEVELOPMENT
1742 FORHAM BLVD.
CHAPEL HILL, NC

WORK ZONE TRAFFIC CONTROL PLAN - PHASE 2

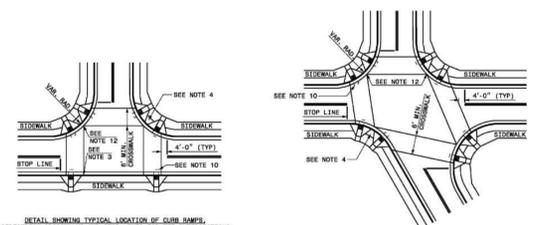
TARHEEL LODGING, LLC & UNICORN GROUP FIFTEEN, LLC
6110 FALCON BRIDGE ROAD
CHAPEL HILL, NC 27517

NO.	DATE	REVISIONS	BY
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4	04/08/2019	REV PER TOWN COMMENTS	CSB
3	06/14/2018	REV PER TOWN COMMENTS	CSB
2	07/20/2018	REV PER COMPLETENESS REVIEW	CSB
1	07/28/2018	REV PER TOWN & OVA/SA COMMENTS	CSB

PROJECT: RKINV18001
DATE: 2018/05/23
DRAWING SCALE: AS SHOWN
DRAWN BY: CSB
APPROVED BY: JUB

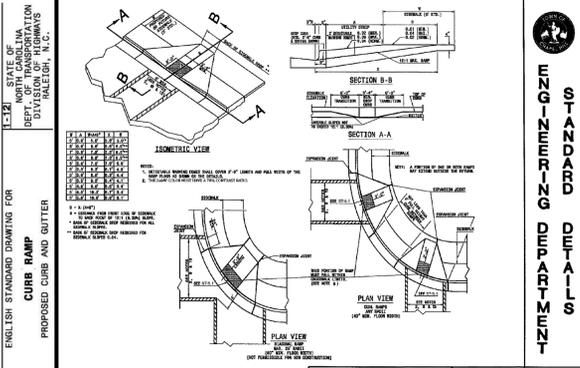
CS3504
SHEET 38 OF 58

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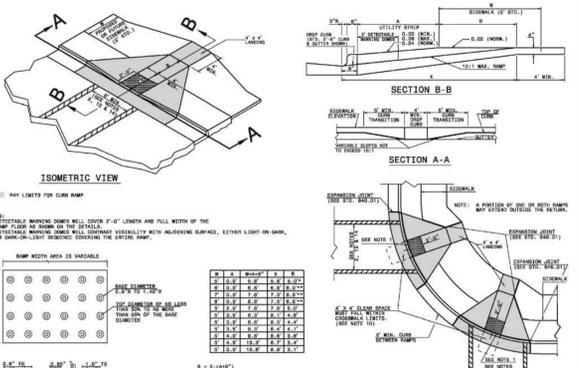
PROPOSED CURB RAMP W/ LANDING
PROPOSED ON FUTURE SIDEWALK

ALLOWABLE LOCATIONS
DUAL RAMP RADIUS: ANY



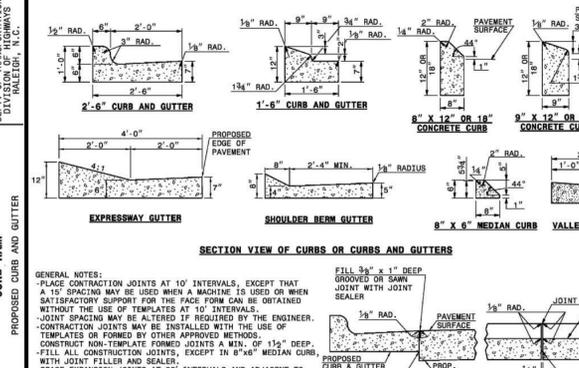
REVISIONS	NO	DATE	BY

TITLE: ACCESSIBLE RAMP
09/03 JH
DET. NO. ST-5.3



REVISIONS	NO	DATE	BY

TITLE: DETECTABLE WARNING DOMES
09/03 JH
DET. NO. ST-5.3

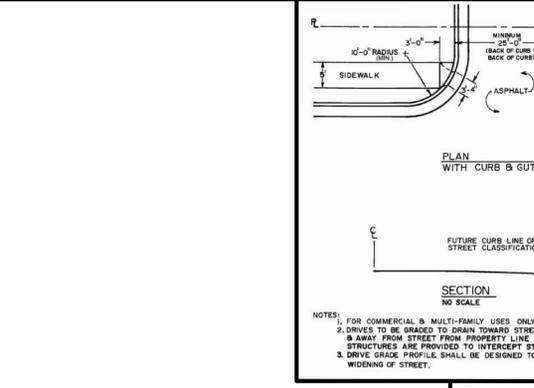


REVISIONS	NO	DATE	BY

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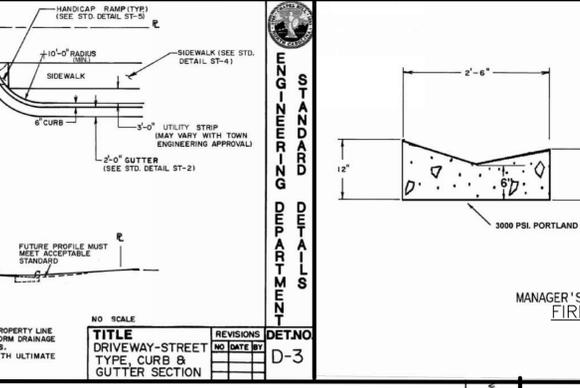


TITLE: CURB RAMP
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DET. NO. ST-5.3



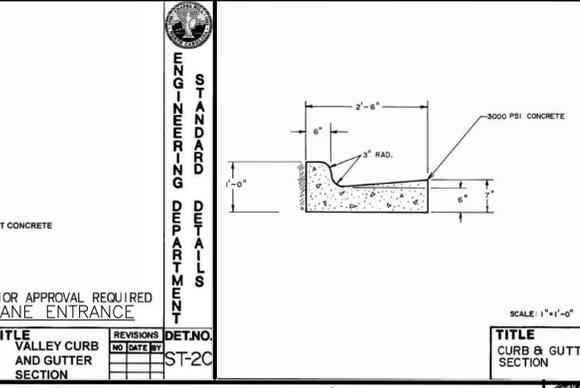
REVISIONS	NO	DATE	BY

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09/03 JH
DET. NO. D-3



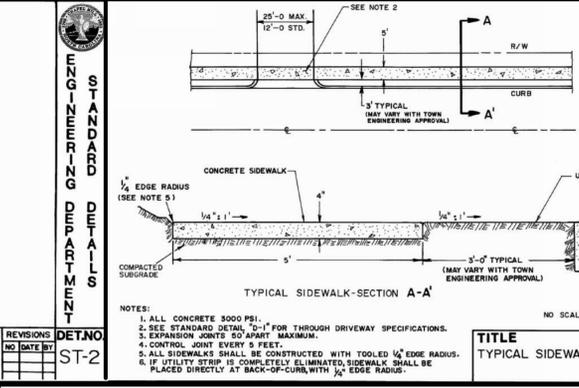
REVISIONS	NO	DATE	BY

TITLE: VALLEY CURB AND GUTTER SECTION
09/03 JH
DET. NO. ST-2C



REVISIONS	NO	DATE	BY

TITLE: CURB & GUTTER SECTION
09/03 JH
DET. NO. ST-2



REVISIONS	NO	DATE	BY

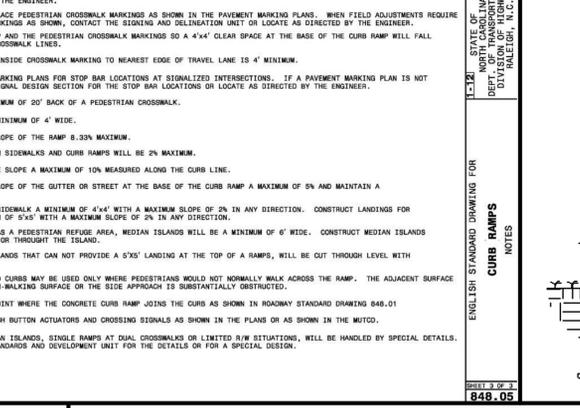
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09/03 JH
DET. NO. ST-4



REVISIONS	NO	DATE	BY

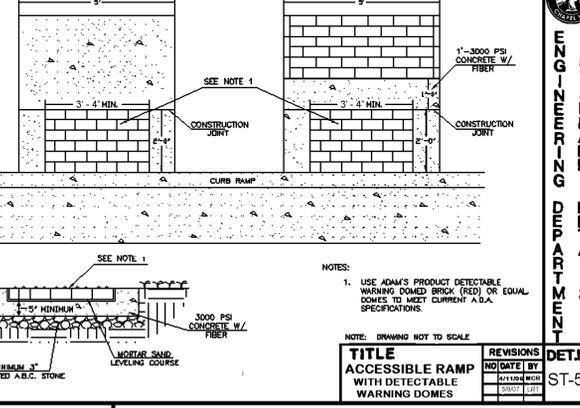
TITLE: TYPICAL SIDEWALK
09/03 JH
DET. NO. ST-4

- FOR COMMERCIAL & MULTI-FAMILY USES ONLY.
- DRIVES TO BE GRADED TO DRAIN TOWARD STREET FROM PROPERTY LINE & AWAY FROM STREET FROM PROPERTY LINE UNLESS STORM DRAINAGE STRUCTURES ARE PROVIDED TO INTERCEPT STORM FLOW.
- DRIVE GRADE PROFILE SHALL BE DESIGNED TO TIE IN WITH ULTIMATE WIDENING OF STREET.
- CONSTRUCT THE RAMP SURFACE TO BE STABLE, FIRM, AND SLIP RESISTANT. CONSTRUCT THE CURB RAMP TYPE AS SHOWN IN THE PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER.
- LOCATE CURB RAMP AND PLACE PEDESTRIAN CROSSWALK MARKINGS AS SHOWN IN THE PAVEMENT MARKING PLANS. WHEN FIELD ADJUSTMENTS REQUIRE MOVING CURB RAMP OR MARKINGS AS SHOWN, CONTACT THE SIGNAL DESIGNER SECTION FOR THE STOP BAR LOCATIONS OR LOCATE AS DIRECTED BY THE ENGINEER.
- COORDINATE THE CURB RAMP AND THE PEDESTRIAN CROSSWALK MARKINGS SO A 4'-4\"/>



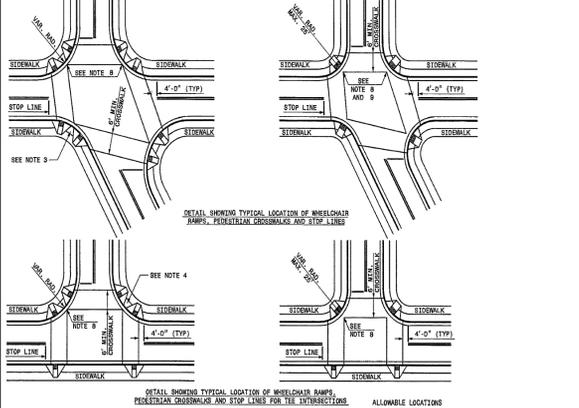
REVISIONS	NO	DATE	BY

TITLE: ACCESSIBLE RAMP WITH DETECTABLE WARNING DOMES
09/03 JH
DET. NO. ST-5.1



REVISIONS	NO	DATE	BY

TITLE: CURB & GUTTER SECTION
09/03 JH
DET. NO. ST-2



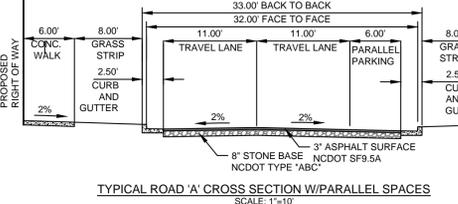
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TITLE: CURB & GUTTER SECTION
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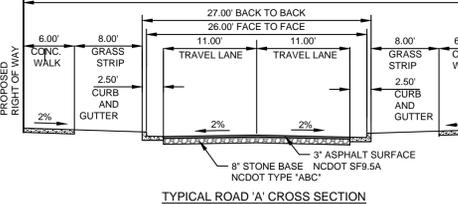


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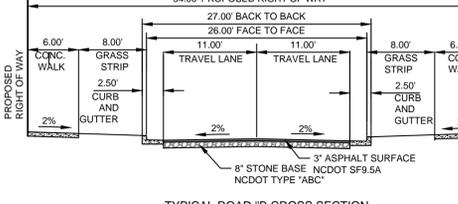
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DET. NO. ST-4



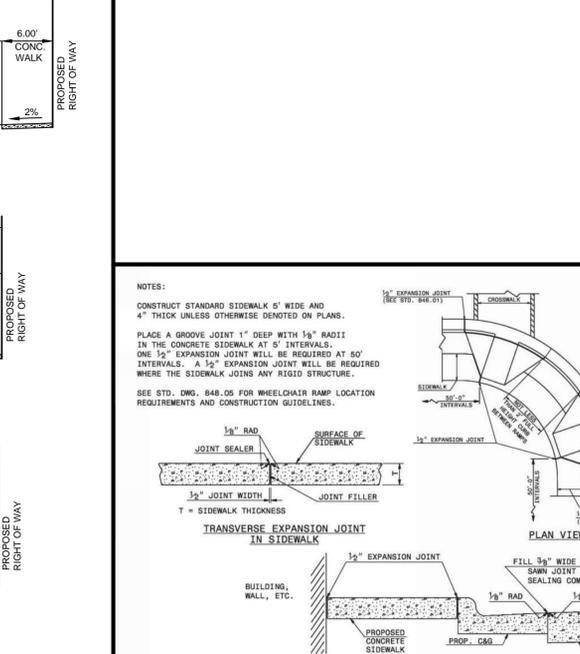
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SCALE: 1\"/>



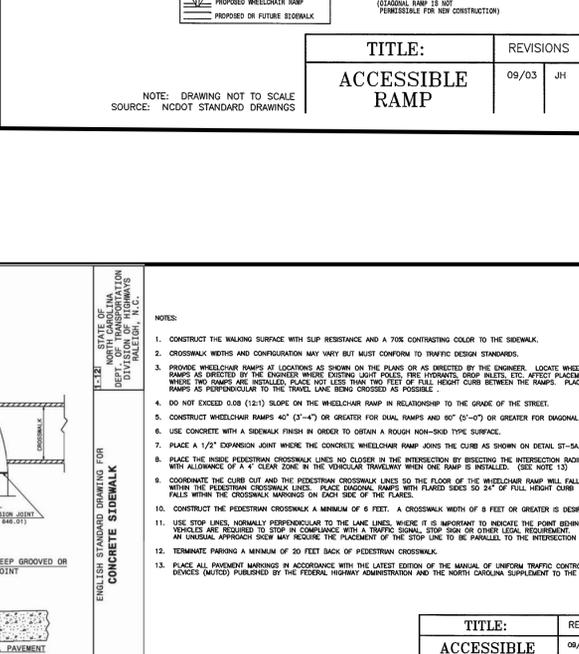
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SCALE: 1\"/>



TYPICAL ROAD 'B' CROSS SECTION
SCALE: 1\"/>



DETAILS SHOWING JOINTS IN CONCRETE SIDEWALK
SCALE: 1\"/>



TITLE: CURB & GUTTER SECTION
09/03 JH
DET. NO. ST-2



TITLE: TYPICAL SIDEWALK
09/03 JH
DET. NO. ST-4

REVISIONS	NO	DATE	BY

REVISIONS	NO	DATE	BY

REVISIONS	NO	DATE	BY

REVISIONS	NO	DATE	BY

REVISIONS	NO	DATE	BY

TITLE: ACCESSIBLE RAMP
09/03 JH
DET. NO. ST-5.2

TITLE: ACCESSIBLE RAMP
09/03 JH
DET. NO. ST-5.2

TITLE: CURB & GUTTER SECTION
09/03 JH
DET. NO. ST-2

TITLE: CURB & GUTTER SECTION
09/03 JH
DET. NO. ST-2

TITLE: TYPICAL SIDEWALK
09/03 JH
DET. NO. ST-4

Pennoni
Firm License
F-1287
PENNONI ASSOCIATES, INC.
5430 Wade Park Boulevard, #106
Raleigh, NC 27607
T 919.929.1173 F 919.493.6548

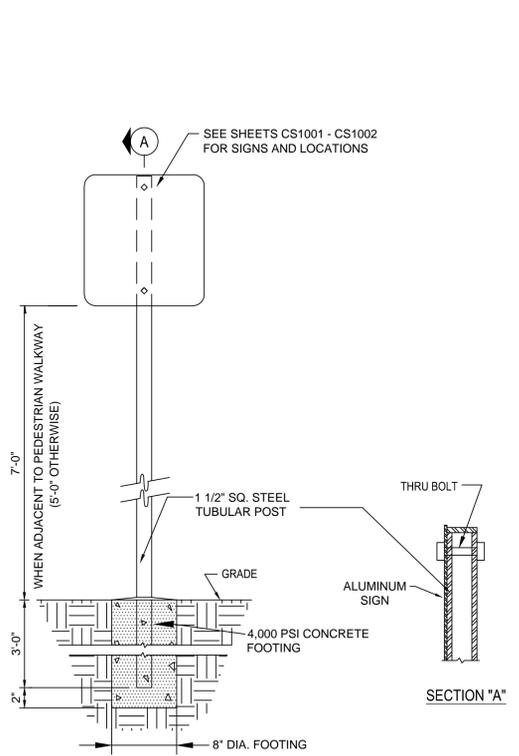


TARHEEL LODGING REDEVELOPMENT
1742 FORHAM BLVD.
CHAPEL HILL, NC

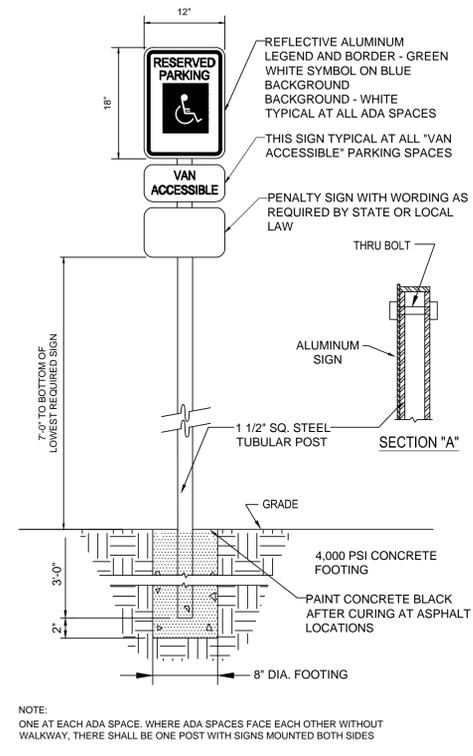
SITE DETAILS

TARHEEL LODGING, LLC & UNICORN GROUP FIFTEEN, LLC
6110 FALCON BRIDGE ROAD
CHAPEL HILL, NC 27517

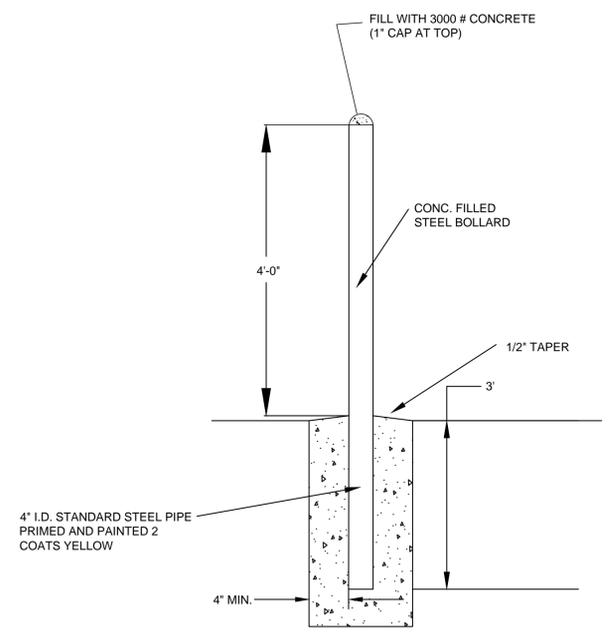
NO.	DATE	REVISIONS	BY
1	07/20/2018	REV PER TOWN & OVA/SA COMMENTS	CSB
2	07/20/2018	REV PER COMPLETENESS REVIEW	CSB
3	08/14/2018	REV PER TOWN COMMENTS	CSB
4	04/08/2019	REV PER TOWN COMMENTS	CSB
5	05/28/2019	REV PER TOWN COMMENTS	CSB



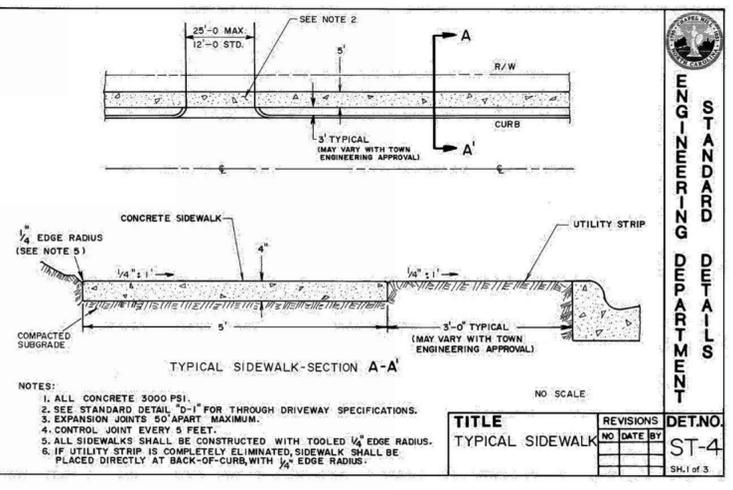
TYPICAL SIGN POST
N.T.S.



ADA PARKING SIGN DETAIL
N.T.S.

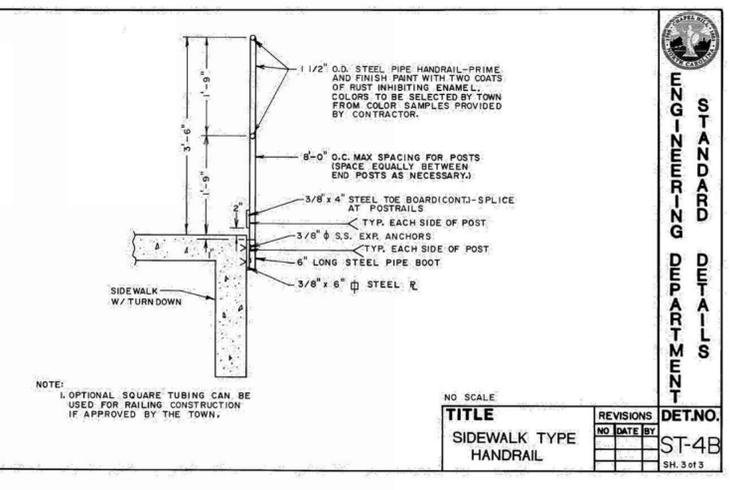


BOLLARD
N.T.S.



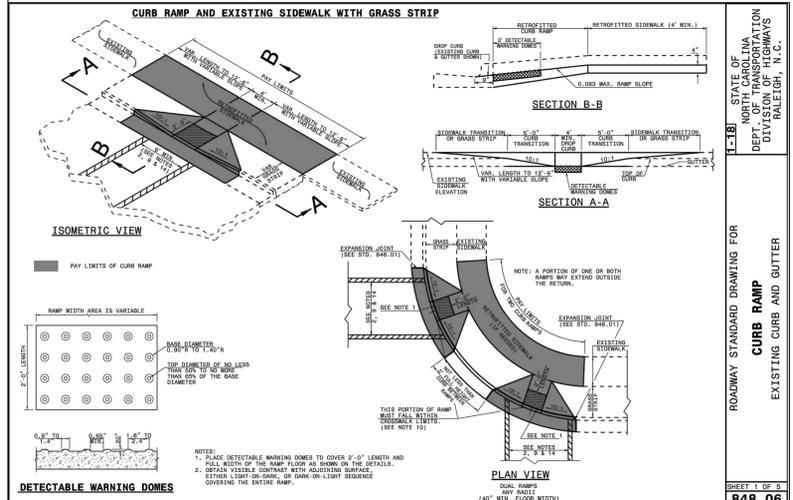
TYPICAL SIDEWALK
NO SCALE

ENGINEERING DEPARTMENT
DET. NO. ST-4
SH. 1 of 3



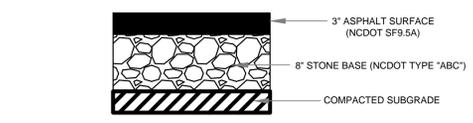
SIDEWALK TYPE HANDRAIL
NO SCALE

ENGINEERING DEPARTMENT
DET. NO. ST-4B
SH. 3 of 3

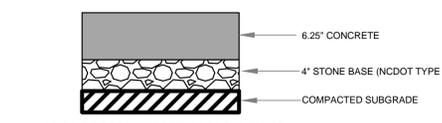


CURB RAMP AND EXISTING SIDEWALK WITH GRASS STRIP
NO SCALE

ROADWAY STANDARD DRAWING FOR
CURB RAMP
EXISTING CURB AND GUTTER
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.
SHEET 1 OF 6
848.06



TYPICAL PAVING SECTION
N.T.S.



HEAVY DUTY PAVING SECTION
N.T.S.

Pennoni
Firm License F-1287
PENNONI ASSOCIATES, INC.
5430 Wade Park Boulevard, #106
Raleigh, NC 27607
T 919.929.1173 F 919.493.6548

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK

SEAL
042486
NORTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
J. W. W.

TARHEEL LODGING REDEVELOPMENT
1742 FORDHAM BLVD.
CHAPEL HILL, NC

SITE DETAILS

TARHEEL LODGING, LLC & UNICORN GROUP FIFTEEN, LLC
6110 FALCON BRIDGE ROAD
CHAPEL HILL, NC 27517

NO.	DATE	REVISIONS	BY
5	05/28/2019	REV. PER TOWN COMMENTS	SAK
4	04/08/2019	REV. PER TOWN COMMENTS	CSB
3	08/14/2018	REV. PER TOWN COMMENTS	CSB
2	07/20/2018	REV. PER COMPLETENESS REVIEW	CSB
1	07/20/2018	REV. PER TOWN & OVA/SA COMMENTS	CSB

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PROJECT: **RKINV18001**
DATE: 2018/05/23
DRAWING SCALE: AS SHOWN
DRAWN BY: CSB
APPROVED BY: JWB

CS6002
SHEET 40 OF 58