INITIAL SITE DEVELOPMENT PLAN

OVERLOOK HOTEL

TAX MAP 78 PARCEL 73A7

ALBEMARLE COUNTY, VIRGINIA

LEGEND

EXISTING	NEW	DESCRIPTION
		BENCHMARK
		SITE PROPERTY LINE
		ADJACENT PROPERTY LINE
		VACATED PROPERTY LINE
		BUILDING SETBACK
		PARKING SETBACK
		ACCESS EASEMENT
(10)	(10)	PARKING COUNT
	1.00'	DIMENIONS
		GRADING EASEMENT
310	10	INDEX CONTOUR
310	12	INTERVAL CONTOUR
311.5 x	10 x	SPOT EVELVATION
311.5 TC x	57.00 TC x	TOP OF CURB ELEVATION
311.5 TW x	57.00 TW x	TOP OF WALL ELEVATION
311.5 BW x	57.00 BW x	BOTTOM OF WALL ELEVATION
		RETAINING WALL
		STAIRS
		BUILDING
		ROAD-EDGE OF PAVEMENT
		ROAD- CENTERLINE
		ROAD-FRONT OF CURB
		ROAD BACK OF CURB
		CG-2 STANDARD 6" CURB
		CG-6 STANDARD 6" CURB AND GUTTER
		CG-12 STANDARD ACCESS RAMP
		SIDEWALK
		BIKE PARKING
		PARKING SURFACE
		CROSSWALK
		HANDICAP ACCESSIBLE AISLE
		HANDICAP PARKING
		CONCRETE/PAVEMENT-SIDEWALK
		RIPRAP
		ASPHALT
		GRASS
		EC-3 MATTING
		EC-2 MATTING
		WETLAND
		TREELINE
X	X	FENCE
		STREAM
		UTILITY EASEMENT
		UTILITY POLE
		LIGHT POLE
		OVERHEAD UTILITY
		OVERHEAD UTILITY GUY
		MANHOLE
		STORM LINE
RD	RD	ROOF DRAIN
	1	DRAIN INLET
		DRAINAGE EASEMENT
		STORM DRAINAGE EASEMENT
S	S	SEWER LINE
S	S	SANITARY EASEMENT
W	W	WATER LINE
	WM	WATER METER
	WV	WATER VALVE AND BOX
		FIRE HYDRANT
		WATER EASEMENT
GAS	GAS	GAS LINE

OWNER/DEVELOPER

WS Four LLC
3600 Pacific Avenue
Virginia Beach, VA 23451

ZONING

PDMC - Planned Development Mixed Commercial
ZMA199800020 (Pantops PD-MC) was approved on October 21, 1998
ZMA200200008 (South Pantops Office) was approved on February 12, 2003
Pending ZMA202000013 to allow for hotel use
EC - Entrance Corridor
Steep Slopes - Managed

SETBACKS

Front - Minimum:	5' from R.O.W. or edge of sidewalk (if outside R.O.W.)
Front - Maximum:	None
Side - Minimum:	5'
Side - Maximum:	None
Rear - Minimum:	20'
Rear - Maximum:	None

MAGISTERIAL DISTRICT

Rivanna

SOURCE OF TITLE

DB 996 P 126
DB 1485 P 406
DB 2905 P 346 (plat)
DB 3908 P 330

SOURCE OF BOUNDARY AND TOPOGRAPHY

Boundary Information is created from Plat of Record prepared by Rivanna Engineering and Surveying, PLC last revised on November 5, 2004. LiDAR two-foot contour intervals are downloaded from www.vita.virginia.gov and additional topographic and zoning information is downloaded from Albemarle County GIS data.

BENCHMARK

Datum for topography is NAVD 1988

FLOODZONE

FEMA flood insurance rate map (community panel 51003C0287D), effective date February 4, 2005 shows this property within zone "x" and no portion of the property within the 100-year flood plain.

RESERVOIR WATERSHED

This site is not within the South Fork Rivanna River Watershed.
This site is not within a watershed of a public water supply.

WATER & SANITARY SERVICES

This project lies within the Albemarle County Service Authority Jurisdictional area for both water and sewer. An existing sanitary sewer line is located on the property at the rear of the site and an existing waterline is located along Richmond Road at the front of the site.

GENERAL CONSTRUCTION NOTES

1. Prior to any construction within any existing right-of-way, including connection to any existing road, a permit shall be obtained from the Virginia Department of Transit (VDOT). This plan as drawn may not accurately reflect the requirements of the permit.Where any discrepancies occur the requirements of the permit shall govern.
2. All materials and construction methods shall conform to the current specifications and standards of VDOT unless otherwise noted.
3. Erosion and siltation control measures shall be provided in accordance with the approved erosion control plan and shall be installed prior to any clearing, grading or other construction.
4. All slopes and disturbed areas are to be fertilized, seeded and mulched.
5. The maximum allowable slope is 2:1 (horizontal:vertical). Where reasonably obtainable, lesser slopes of 3:1 or better are to be acheived.
6. Paved, rip-rap or stabilization mat lined ditch may be required when in the opinion of the County Engineer or designee it is deemed necessary in order to stabilize a drainage channel.
7. All traffic control signs shall conform with the Virginia Manual for Uniform Traffic Control Devices.
8. Unless othrewise noted all concrete pipe shall be reinforced concrete pipe - Class III.
9. All excavation for underground pipe installation must comply with OSHA Standards for the Construction Industry (29 CFR Part 1926).

GENERAL WATER & SEWER NOTES

1. Work shall be subject to inspection by Albemarle County Service Authority inspectors. The Contractor will be responsible for notifying the proper service authority officials at the start of the work.
2. The location of existing utilities across the line of the proposed work are not necessarily shown on the plans and where shown, are only approximately correct. The contractors shall on his own initiative locate all underground lines and structures as necessary.
3. All materials and construction shall comply with the current edition of the general water and sewer construction specifications as adopted by the Albemarle County Service Authority.
4. Datum for all elevations shown in National Geodetic Survey.
5. The contractor shall be responsible for notifying "MISS UTILITY" (1-800-552-7001).
6. All water and sewer pipes shall have a minimum of 3.5 feet of cover measured from the top of pipe, over the centerline of pipe. This includes all fire hydrant lines, service laterals and water lines, etc.
7. All water and sewer appurtenances are to be located outside of roadside ditches.
8. Valves on deadend lines shall be rodded to provided adequate restraint for the valve during a future extension of the line.
9. Trees are not permitted in the ACSA easement.
10. The contractor shall be responsible to comply with the no-lead regulation regarding brass fittings effective January 4, 2014 (Senate Bill 3874 which amends the Safe Drinking Water Act).
11. All public water and sewer facilities shall be dedicated to the Albemarle County Service Authority.
12. Backflow prevention is required for all connections to the water main.

STEEP SLOPES

Preserved slopes are not present on the property. Managed slopes are shown on Sheet C3 with labels showing which slopes are to be disturbed.

FIRE PREVENTION

An existing ACSA fire hydrant is located on Richmond Road approximately 270 ft west of the site. An additional hydrant is located at the intersection of Hansen Road and Abbey Road (approximately 230 ft east of the site).

EXISTING USE

Vacant land

PROPOSED USE

4-Story Hotel (122 rooms)

BUILDING HEIGHT

The maximum building height is 65 feet.

LAND USE SCHEDULE

EXISTING	Area	%
Building	0 SF	0.0%
Pavement	0 SF	0.0%
Sidewalk	0 SF	0.0%
Impervious Area	0 SF	0.0%
Open Space	117,045 SF	100.0%
Total=	117,045 SF	(2.687 AC)

PROPOSED	Area	%
Building	12,901 SF	11.0%
Pavement	40,783 SF	34.8%
Sidewalk	5,475 SF	4.7%
Impervious Area	59,159 SF	50.5%
Open Space	57,886 SF	49.5%
Total=	117,045 SF	(2.687 AC)

PARKING SCHEDULE

REQUIRED PARKING:
Hotel — 1 space per room x 122 rooms = 122 spaces

PARKING PROVIDED: — 119 spaces (including 4 handicap spaces)

SIGNS

All signs and pavement shall conform with the latest edition of the MUTCD Guidelines.
A sign permit must be issued in accordance with the Albermale County Sign Regulations prior to placement of any signs on-site.
Contractor shall provide handicap signs as shown on plan.

GENERAL NOTES

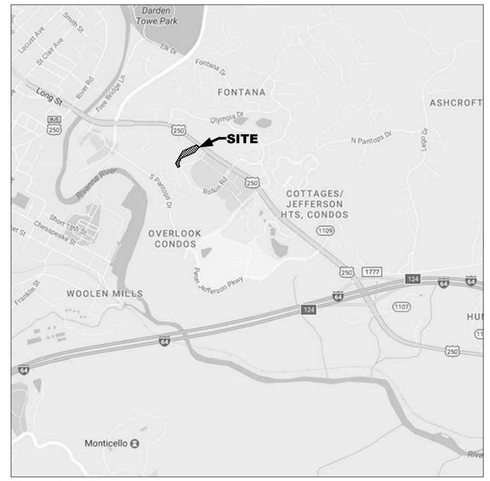
1. The information and data shown or indicated with respect to the existing underground utilities at or contiguous to the site are based on information and data furnished to the owner and engineer by the owners of such underground facilities or others. The owner or engineer shall not be responsible for the accuracy or completeness of such information or data. The contractor shall have full responsibility for confirming the accuracy of the data, for locating all underground utilities, for coordination of the work with owners of such underground utilities during construction, for the safety and protection thereof and repairing any damage thereto resulting from the work. All of these conditions shall be met at no additional cost to the owner. The contractor shall contact "Miss Utilities" of Virginia at 1-800-552-7001 prior to the start of work.
2. When working adjacent to existing structures, poles, etc., the contractor shall use whatever methods that are necessary to protect structures from damage. Replacement of damaged structures shall be at the contractor's expense.
3. The contractor shall be responsible for protecting all existing site structures from damage and coordinating work so that the owner can make necessary arrangements to modify/protect existing structures from damages.
4. The contractor shall be responsible for notifying all utility owners, adjacent land owners whose property may be impacted and the Virginia Department of Transportation prior to completing any off-site work.
5. Contractor shall notify and coordinate all work involving existing utilities with utility owners, at least 72 hours prior to the start of construction.
6. Contractor shall immediately report any discrepancies between existing conditions and contract documents to the owner and engineer.
7. Contractor shall submit for the approval of the owner submittals of all specified materials listed in the plans, to include shop drawings, manufacturer's specifications and laboratory reports. the owner's approval of submittals will be general and will not relieve the the contractor from the responsibility of adherence to the contract and for any error that may exist.
8. All bare areas shall be scarified, limed, fertilized, seeded and mulched.
9. All trees, saplings, brush, etc. shall be removed from within the right of way and the drainage easements.
10. Visibility of all mechanical equipment from the Entrance Corridor shall be eliminated.
11. Retaining walls require separate building permits.
12. All water service lines, sanitary laterals, and sprinkler lines must be visually inspected by the Albemarle County Building Department from the main to the structure.
13. Accessible parking spaces, access aisles, and accessible route shall be installed in accordance with ICC ANSI A117.1-09.
14. Where the flood level rims of plumbing fixtures are below the elevation of the manhole cover of the next upstream manhole in the public sewer, the fixtures shall be protected by a backwater valve installed in the building drain, branch of the building drain or horizontal branch serving such fixtures. Plumbing fixtures having flood level rims above the elevation of the manhole cover of the next upstream manhole in the public sewer shall not discharge through a backwater valve."
15. All roof drains shall discharge in a manner not to cause a public nuisance and not over sidewalks.
16. Buildings or structures built before January 1, 1985 must have an asbestos survey performed in order to apply for a demolition permit. Asbestos removal permits are required if positive for such from Albemarle County and VDOLI. Contact VDOLI for their additional requirements and permits for demolition projects and 540-562-3580x131.

ITE Trip Generation, 10th Edition

Trip Generation Manual, 10th Edition			AM			PM		
Use Description	**ITE**	**Qty**	**in**	**out**	**Total**	**in**	**out**	**Total**
Business Hotel	312	122 rooms	20	28	**48**	21	18	**39**

Trip generation reflects AM and PM peak hour traffic.

VICINITY MAP SCALE : 1"=2000'



Map provided by Google.com

SHEET INDEX

C1 COVER SHEET
C2 EXISTING CONDITIONS
C3 SITE PLAN
C4 GRADING & UTILITY PLAN
C5 LANDSCAPE PLAN
C6 LANDSCAPE DETAILS
C7 LIGHTING PLAN
C8 SITE DETAILS

APPROVALS

Current Development Planner — Date

Current Development Engineer — Date

Architectural Review Board — Date

Fire Official — Date

Building Official — Date

Albemarle County Service Authority — Date

Virginia Department of Transportation — Date

SHIMP ENGINEERING PC
LAND PLANNING - PROJECT MANAGEMENT
912 E. HIGH ST. 434.227.5140
CHARLOTTESVILLE VA, 22902 JUSTIN@SHIMP-ENGINEERING.COM

COMMONWEALTH OF VIRGINIA
JUSTIN T. SHIMP
Lic. No. 45183
PROFESSIONAL ENGINEER
FOR REVIEW

INITIAL SITE DEVELOPMENT PLAN

OVERLOOK HOTEL

ALBEMARLE COUNTY, VIRGINIA
SUBMISSION:
2021.05.03
REVISION:
2021.09.20 [ARB]
2021.12.27 [ARB]

FILE NO. 19.039

COVER



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LAND PLANNING · PROJECT MANAGEMENT
912 E. HIGH ST. 434.227.5140
CHARLOTTESVILLE VA, 22902 JUSTIN@SHIMP-ENGINEERING.COM

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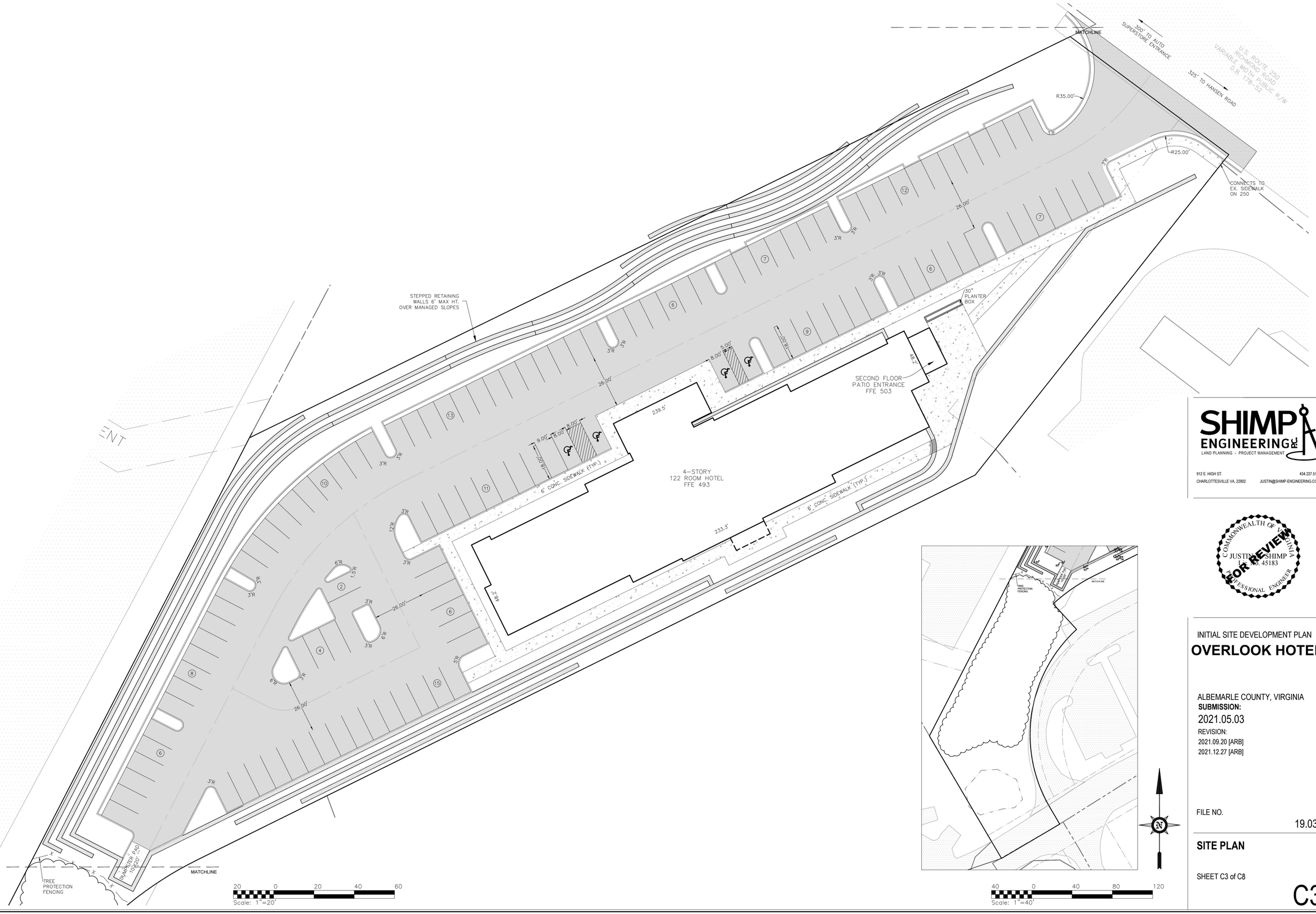
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EXISTING CONDITIONS

SHEET C2 of C8

C2



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SITE PLAN

SHEET C3 of C8

C3



40 0 40 80 120
Scale: 1"=40'

CONNECT WATER TO EXISTING ACSA UTILITY ON RICHMOND ROAD

MATCHLINE

U.S. ROUTE 250
RICHMOND ROAD
VARIABLE WIDTH PUBLIC R/W
D.B. 178-52

CONNECTS TO EX. SIDEWALK ON 250

CONNECT SANITARY TO EXISTING ACSA UTILITY THROUGH ADJOINING PARCEL

15" HDPE

SANITARY LATERAL

30" PLANTER BOX

2 RISERS

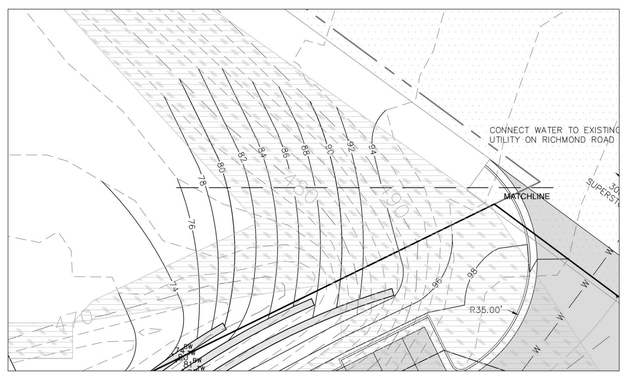
8 RISERS

SECOND FLOOR PATIO ENTRANCE FFE 503

4-STORY
122 ROOM HOTEL
FFE 493

UNDERGROUND STORMWATER TREATMENT & DETENTION STRUCTURES

MATCHLINE



20 0 20 40 60
Scale: 1"=20'

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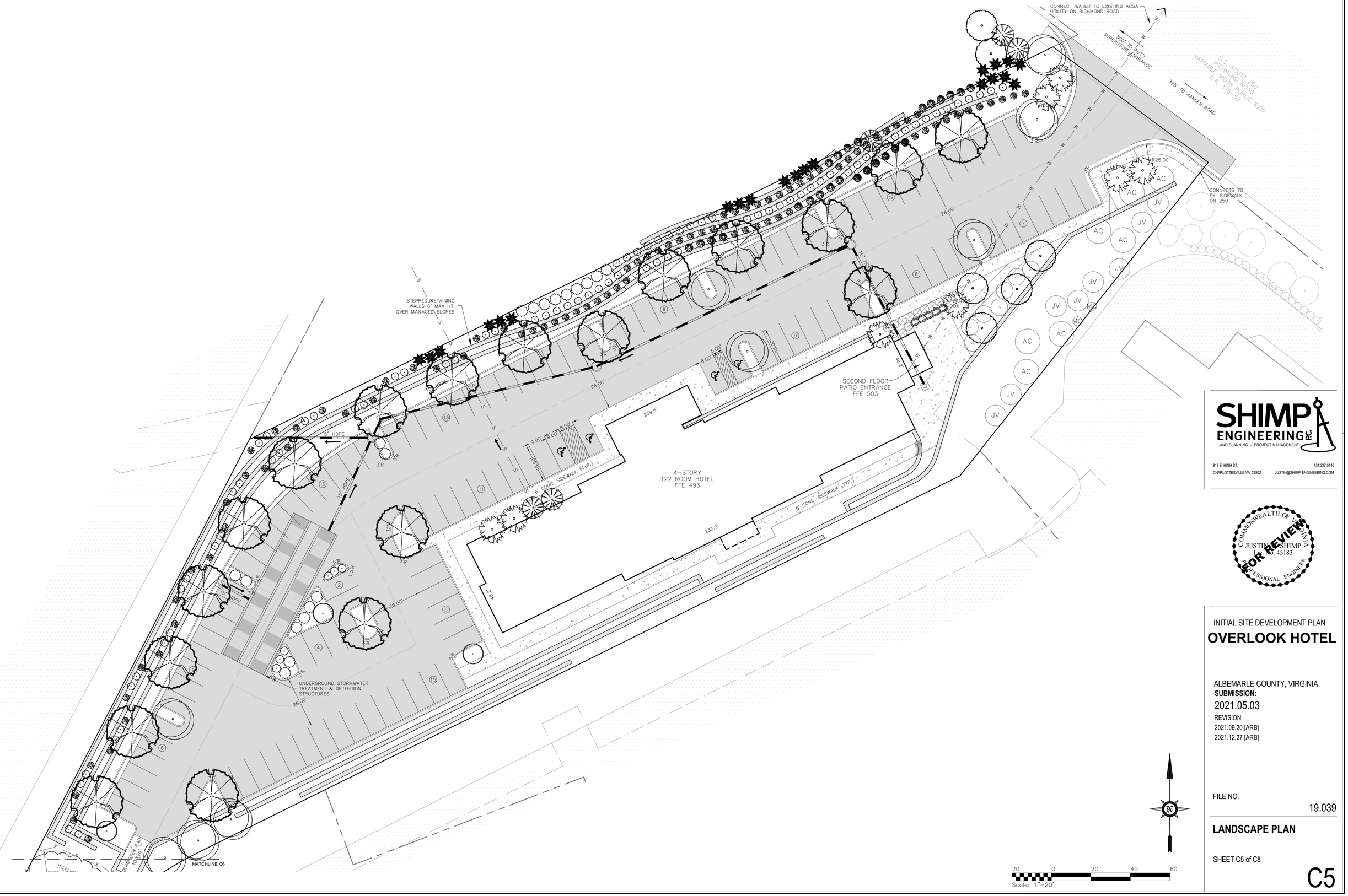
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GRADING & UTILITY PLAN

SHEET C4 of C8

C4



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LANDSCAPE PLAN

SHEET C5 of C8

C5



LANDSCAPE SCHEDULE								
Plant Symbol	Planting Type	Botanical Name	Common Name	Min. Cal./Height	Quantity	Total Height(ft) in 10 Yrs	Canopy SF	Total Canopy SF
	Large Deciduous Tree	Ulmus americana 'Princeton'	American Elm 'Princeton'	3.5"	9	25	397	3573
	Large Deciduous Tree	Celtis x occidentalis	Hackberry	2.5"	19	30	572	10868
	Large Deciduous Tree	Acer rubrum "Armstrong"	"Armstrong" Red Maple	2.5"	3	30	44	132
	Medium Deciduous Tree	Carpinus betulus	European Hornbeam	2.5"	6	20	177	1062
	Ornamental Tree	Cornus kousa	Kousa Dogwood	6–8' Ht.	4	15	128	512
	Ornamental Tree	Magnolia grandiflora	Southern Magnolia	6–8' Ht.	8	17	82	656
	Broadleaved Evergreen Tree	Cryptomeria japonica	Cryptomeria	4–5' Ht.	21	25	123	2583
	Broadleaved Evergreen Shrub	Myrica penslyvanica	Northern Bayberry	24" Ht.	87	3	18	–
	Broadleaved Evergreen Shrub	Kalmia latifolia	Mountain Laurel	24" Ht.	17	6	24	408
	Broadleaved Evergreen Shrub	Ilex glabra	Inkberry Holly	24" Ht.	87	6	24	2088
	Broadleaved Evergreen Shrub	Cotoneaster salicifolius	Willowleaf Cotoneaster	24" Ht.	24	7	22	528
	Broadleaved Evergreen Shrub	Rhododendron	Azalea	12" Ht.	12	4	10	—
	Deciduous Shrub	Buddleia davidii	Butterfly Bush	12" Ht.	5	7	16	80
	Deciduous Shrub	Viburnum plicatum	Snowball Viburnum	12" Ht.	7	8	50	350
							TOTAL SF:	22490

LANDSCAPE SCHEDULE PER APPROVED SDP2003–79								
Plant Symbol	Planting Type	Botanical Name	Common Name	Min. Cal./Height	Quantity	Total Height(ft) in 10 Yrs	Canopy SF	Total Canopy SF
AC	Ornamental Tree	Amelanchier canadensis	Shadblow Serviceberry	6–8' Ht.	7	19	130	910
JV	Broadleaved Evergreen Tree	Juniperus virginiana	Eastern Redcedar	4–5' Ht.	8	14	16	128
MC	Broadleaved Evergreen Shrub	Myrica cerifera	Southern Wax Myrtle	24" Ht.	2	10	44	88
							TOTAL SF:	1126

LANDSCAPING REQUIRED:

SITE REQUIREMENT (SEC. 32.7.9.8): 10% CANOPY REQUIRED.
SITE AREA: 3.687 AC (160,606 SF)
160,606 SF x 10% = 16,061 SF
CANOPY REQUIRED: 16,061 SF
EXISTING CANOPY TO REMAIN: 11,000 SF
CANOPY PROVIDED: 20,978 + 11,000 = 31,978 SF

ENTRANCE CORRIDOR STREETS: LARGE SHADE TREES (2.5" CAL.) – 35' O.C. WITH INTERSPERSED ORNAMENTAL TREES, 40 LF OF FRONTAGE (LESS ENTRY TRAVELWAY)
REQUIRED: 1 LARGE SHADE TREES
PROVIDED: 2 LARGE SHADE TREES W/ 4 ORNAMENTAL

INTERIOR PARKING AREA (SEC. 32.7.9.6): 5% OF THE PAVED PARKING AREA & 1 LARGE OR MEDIUM SHADE TREE PER 10 PARKING SPACES
40,783 SF x 5% = 2,039 SF
REQUIRED: 2,039 SF
PROVIDED: 2,355 SF

122 PARKING SPACES PROVIDED
REQUIRED: 12 LARGE SHADE TREES
PROVIDED: 15 LARGE SHADE TREES

NOTES:
1. All site plantings of trees and shrubs shall be allowed to reach, and be maintained at, mature height; the topping of trees is prohibited. Shrubs and trees shall be pruned minimally and only to support the overall health of the plant.
2. All landscaping and screening shall be maintained in a healthy condition by the current owner or property owners' association and replaced when necessary. Replacement material shall comply with the approved landscape plan.
3. All new planting shown on the plan will be completed after building and road construction to avoid tree planting damage.
4. All disturbed slopes 3:1 or steeper to have low maintenance ground cover.
5. Any existing tree proposed to remain shall be replaced in kind if negatively impacted by improvements associated with this project.

20 0 20 40 60
Scale: 1"=20'

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FILE NO.
19.039

LANDSCAPE DETAILS

Catalog #: _____ Project: _____

Prepared By: _____ Date: _____ Type: _____

Slice Medium (SLM)

Outdoor LED Area Light

IP66 IK08



OVERVIEW	
Lumen Package	9,000 - 48,000
Wattage Range	63 - 401
Efficacy Range (LPW)	112 - 156
Weight lbs(kg)	30 (13.6)

QUICK LINKS

Ordering Guide | Performance | Photometrics | Dimensions

FEATURES & SPECIFICATIONS

Construction

- Rugged die-cast aluminum housing contains factory prewired driver and optical unit. Cast aluminum wiring access door located underneath.
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Shipping weight: 37 lbs in carton.

Optical System

- State-of-the-Art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide IP66 rated seal.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in distribution types 2, 3, 5W, FT, FTA and AM.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93%.
- Zero uplight.
- Available in 5000K, 4000K, and 3000K color temperatures per ANSI C78.377. Also available in phosphor converted amber with peak intensity at 610nm.
- Minimum CRI of 70.
- Integral louver (IL) and house-side shield (HS) options available for improved backlight control without sacrificing street side performance. See page 3 for more details.

Electrical

- High-performance driver features overvoltage, under-voltage, short-circuit and over temperature protection.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 VAC) Input 50/60 Hz or optional High Voltage (347-480 VAC).
- L80 Calculated Life: >100k Hours (See Lumen Maintenance on Page 5)
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +50°C (-40°F to +122°F). 42L and 48L lumen packages rated to 40°C.
- Power factor: >.90
- Input power stays constant over life.
- Field replaceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation
- Driver is fully encased in potting material for moisture resistance and complies with FCC standards. Driver and key electronic components can easily be accessed.

Controls

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

Installation

- A single fastener secures the hinged door, underneath the housing and provides quick & easy access to the electrical compartment.
- Included terminal block accepts up to 12 ga. wire.
- Utilizes LSI's traditional B3 drill pattern. (See drawing on page 9)

Warranty

- LSI luminaires carry a 5-year limited warranty. Refer to https://www.lsiindustries.com/resources/terms-and-warranty.aspx for more information.

Listings

- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- IDA compliant; with 3000K color temperature selection.
- Title 24 Compliant; see local ordinance for qualification information.
- Suitable for wet locations.
- IP66 rated Luminaire per IEC 60598-1.
- 3G rated for ANSI C136.31 high vibration applicationsapplicationsare qualified.
- IK08 rated luminaire per IEC 62262 mechanical impact code.
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.
- Patented Silicone Optics (US Patent NO. 10,816,165 B2)

Type: _____

Slice Medium Outdoor LED Area Light

ORDERING GUIDE

Back to Quick Links

TYPICAL ORDER EXAMPLE: **SLM LED 36L SIL FTA UNV DIM 50 70CRI ALSCS04 BRZ IL**

Luminaire Prefix	Light Source	Lumen Package	Light Output	Distribution	Orientation[1]	Voltage	Driver
SLM - Slice Medium	**LED**	**9L** - 9,000 lms **12L** - 12,000 lms **18L** - 18,000 lms **24L** - 24,000 lms **30L** - 30,000 lms **36L** - 36,000 lms **42L** - 42,000 lms **48L** - 48,000 lms **Custom Lumen Package[2]**	**SIL** - Silicone	**2** - Type 2 **3** - Type 3 **5W** - Type 5 Wide **FT** - Forward Throw **FTA** - Forward Throw - Automotive **AM** - Automotive Merchandise	**(blank)** - standard (no rotation) **L** - Optics rotated left 90° **R** - Optics rotated right 90°	**UNV** - Universal Voltage (120-277V) **HV** - High Voltage (347-480V)	**DIM** - 0-10V Dimming (0-10%)

Color Temp	Color Rendering	Controls (Choose One)	Finish	Options
50 - 5,000 CCT **40** - 4,000 CCT **30** - 3,000 CCT **AMB** - Phosphor Converted Amber[11]	**70CRI** - 70 CRI	**(Blank)** - None **Wireless Controls Options** **ALSCS04** - AirLink Synapse Control System **ALSCS02** - AirLink Synapse Control System with 12-20' Motion Sensor **ALSCS04** - AirLink Synapse Control System with 20-40' Motion Sensor **ALSCS1** - AirLink Blue Wireless Motion & Photo Sensor Controller (8-24' mounting height) **ALSCS2** - AirLink Blue Wireless Motion & Photo Sensor Controller (25-40' mounting height) **Button Type Dimming** **EET** - 0-10V Dimming leads extended to housing exterior **CR7P** - 7 Pin Control Receptacle ANSI C136.41* **IMSBT1**- Integral Bluetooth™ Motion and Photocell Sensor (8-24' MH)* **IMSBT2**- Integral Bluetooth™ Motion and Photocell Sensor (25-40' MH)* **Button Type Photocells** **PCV120** - 120V **PCV208-277** - 208 -277V **PCD347** - 347V	**BLK** - Black **BRZ** - Dark Bronze **GMG** - Gun Metal Gray **GPT** - Graphite **MSV** - Metallic Silver **PLP** - Platinum Plus **SVG** - Satin Verde Green **WHT** - White	**(Blank)** - None **HS** - Integral Houseside Shield[3] **IL** - Integral Louver (Sharp Split Light Cutoff)[3]

Accessories Ordering Information[4]

Controls Accessories

Description	Order Number
Twist Lock Photocell (120V) for use with CR7P	1225514
Twist Lock Photocell (208-277) for use with CR7P	1225515
Twist Lock Photocell (347V) for use with CR7P	1225516
Twist Lock Photocell (480V) for use with CR7P	1225180
AirLink 8 Pin Twist Lock Controller*	814369
AirLink 7 Pin Twist Lock Controller*	881410
Fine-Wavelet® Occupancy Sensor (24V)	4822SNGL1*
Shorting Cap for use with CR7P	14822

Fusing Options[10]

Description	Order Number
Single Fusing (120V)	See Fusing Accessory Guide
Single Fusing (277V)	
Double Fusing (208V, 240V)	
Double Fusing (480V)	
Double Fusing (347V)	

Mounting Accessories[5]

Description	Order Number
Round Pole Adapter (2" Round/Tapered Poles)	4080730LS
Round Pole Adapter (4" Round Poles)	3798972LA
Round Pole Adapter (5" Round Poles)	3798980LA
Universal Mounting Bracket	8944160LA
Adjustable Slip-Fitter (2" - 2 3/8" Tenon)	8851383LA
Quick Mount Pole Bracket (Square Pole)	8870730LA
Quick Mount Pole Bracket (4-5" Round Pole)	8898002LA
15 Tilt Quick Mount Pole Bracket (Square Pole)	8898003LA
15 Tilt Quick Mount Pole Bracket (4-5" Round Pole)	8898002LA
Wall Mount Bracket	3801053LA
Wood Pole Bracket (6" Minimum Pole Diameter)	7010190LA

Shielding & Miscellaneous Accessories

Description	Order Number
Integral LouverShield	494812
Internal Housside Shield	743414
10' Linear Bird Spike Kit (8' Recommended per Luminaire)	751922

FOOTNOTES:

1. Custom lumen and wattage packages available, consult factory. Values are within industry standard tolerances for initial lumens.
2. Not available on "Type SW" distribution.
3. Consult factory for availability.
4. Sensor may be configurable via the LSI app that can be downloaded from your smartphone's app store.
5. Control device or shorting cap must be ordered separately. See Accessory Ordering Information.
6. Accessories are shipped separately and field installed.
7. Fusing must be located in hand hole of pole.
8. Only available with ALSCS04 control option.
9. Only available with ALSCALNCH control options.
10. Fusing must be located in hand hole of pole. See Fusing Accessory Guide for compatability
11. Only available in 9L and 12L Lumen Packages. Consult factory for lead time and availability.

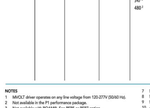
LITHONIA LIGHTING®

TYPE _____ PROJECT _____

CATALOG# _____

WD1340 - 4" ROUND 1-DIRECTION WALL MOUNT (IP65) - 1000LM/1500LM

SURFACE 1-DIRECTION WALL MOUNT





SPECIFICATION

Application: The WD1 Series directional Wall Luminaire can be used in both interior and exterior settings and can be pointed up or down. Typical locations are in commercial and retail spaces that contain walls and/or columns that require directional lighting. Can be used as downlight for direct illumination or an uplights for indirect illumination of architecture facades.

Housing: Constructed from a round one piece high grade aluminum extrusion with a rectangular extrusion arm, end cap, faceplate and a mounting plate with a powder coat finish. Includes CCB LED, reflector and LED driver. Mounting plate is secured to arm with (4) #8-32 screws. Mounting plate installs onto an electrical junction box. Consult factory for junction box recommendations.

Mounting: Fixture includes a mounting bracket for installation directly to a 4" octagonal electrical junction box.

Faceplate: Round one piece extruded aluminum with powder coat finish, clear tempered glass lens, and silicone o-ring. Faceplate is secured to the housing by threads.

Reflector Construction: One piece, heavy-gauge aluminum reflector prevents ugly dents during shipping and installation. Deeply mounted singular LED provides 50 degree visual cutoff for a glare free appearance.

Lumen Maintenance: Minimum 50,000 hours L70 life based on ANSI TM-21 calculations from LM80 standardized test results. See ordering guide for delivered lumens.

Dimming: 0-10VN option is a universal dimming system that works with most 3-Wire ELV, 2-Wire Incandescent and 3-Wire 0-10V dimmers.

Electrical: AC 50/60Hz Electronic Direct Current Class 2 driver integrally mounted. Power Factor > 0.90. For cold weather applications (-22°C and above) use -DUN driver option.

Emergency Options: Emergency LED Battery Back-up available, remotely mounted adjacent to housing by installer. When AC power fails, the device immediately switches to the emergency mode, operating the LEDs for a minimum of 90 minutes. Remote test switch and plate cover included. (-EMAC) is not wet location rated, and must be mounted in a dry area.

Caution: LITCH recommends use of surge protectors on the power entering LED Housings. Surge damage is not covered by warranty.

Warranty: Covered by a 5 Year Warranty to be free of defects in materials and craftsmanship. Fixture should not be installed in applications with ambient temperature above 40 degrees C. Doing so will result in reduced lamp life and voided warranty.

Note: Dark Sky compliant when fixture is pointing downward.

Listing: ETL / cETL Listed. Suitable for wet location. Assembled in USA. IP65).

Finish: A 7-stage electrostatic, polymer process provides a finish that delivers outstanding durability, superior anti-aging, resistance to corrosion and UV-degradation Standard finishes are White, Silver, Basic Bronze, Black. Special order finishes are Light Silver, Dark Grey, Metallic Gold and Metallic Black.

Beam Spread: Available in Wide Flood, 2° Pencil Beam, Narrow Spot, Spot, Flood, Wall Wash, and Type IV (Forward Throw).

LED: Energy efficient Chip-On-Board (COB) Singular LED Light Source provides for smooth uniform light output, eliminating the multiple shadow effect seen by multiple LED Source products. Binned with 4-step MacAdam ellipses as recommended by ANSI C78.377-2017 specifications. CCT: 2700K (FYCRI: 2700K, 90CRI: 2700K, 97CRI: 3000K, 3000K (97CRI)*, 3500K, and 5000K.

Bevels:
- Uniform, low glare illumination
- Durable, corrosion resistant finish
- Emergency back up available
- 3-Wire ELV or 0-10V source
- 5 year limited warranty
- 13 Ft Mtg Ht., 22 Ft O.C. Spacing (1,000 Lumen Package)
- 25 Ft Mtg Ht., 22 Ft O.C. Spacing (1,500 Lumen Package)
- UniDim™ option dimming with 2-Wire Incandescent, 3-Wire, ELV or 0-10V Controls

FEATURE:

ORDERING EXAMPLE : WD1340B-L15-B02-T27-EMAC

WD1340	FINISH	LUMEN*	BEAM SPREAD	DIMMING	LED	OPTIONS
WD1340	**W** - White **S** - Silver **BZ** - Bronze **B** - Black **LS** - Light Silver* **GG** - Gun Grey* **MG** - Metallic Gold* **MB** - Metallic Black*	**Blank** - 1000lm (10W) **-L15** - 1500lm (22W)	**Blank** - White Flood **-B02** - 2° Pencil Beam **-B45** - Narrow Spot **-S20** - Spot **-B40** - Flood **-BWW** - Wall Wash **-SFT** - Type IV (Forward Throw)	**Blank** - 0-10V **-UE-DUN** (Includes T27/3500K/97CRI)	**Blank** - 4000K **-T27** - 2700K* **-T30** - 3000K **-T27-C97** - 2700K, 97CRI* **-T30** - 3000K, 97CRI* **-T35** - 3500K **-T50** - 5000K	**Blank** - None **-EMAC** - Emergency Back Up **-CDL** - DayLight Sensor*

*(Blank) 1000lm (10W) color temperature is 80CRI minimum, and is not available in 90 plus CRI. (-L15) 1500lm (22W) is 90CRI minimum with optional 97CRI.
**Consult factory for availability and lead time may apply. Consult factory. (Finish options 50 piece minimum, 10-12 week lead time)
***(-SFT) Daylight Sensor is for 120V input only.

347V input with 0-10V Dimming available. Consult factory for lead times.

Tel: 323.904.0200 Product specifications subject to change without notice. www.litton.com



KAXW

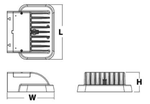
LED Wall Luminaire

Catalog Number
Notes
Type

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

Length:	16" (406mm)
Width:	12" (304mm)
Height:	5" (127mm)
Weight (max):	19.2 lbs (9 kg)



A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability1
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background

To learn more about A+, visit www.acuitybrands.com/aplus.

1. See ordering tree for details.

A+ Capable options indicated by this color background.

Ordering Information **EXAMPLE:** KAXW LED P3 40K R3 MVOLT DDBXD

KAXW LED

Series	Performance package	Color temperature	Distribution	Voltage	Mounting	Control options	Other options	Finish required
KAXW LED	P1 P2 P3	30K 3000 K 40K 4000 K 50K 5000 K	R3 Type 3 R4 Type 4	MVOLT[1] 120[1] 208[1] 240[1] 277[1] 347[1] 480[1]	**Shipped included** SRM48 Surface mounting bracket	**Shipped installed** PER NEMA twist-lock receptacle only (controls ordered separately)[2] PER5 Five-wire receptacle only (controls ordered separately)[2] PER7 Seven-wire receptacle only (controls ordered separately)[2] PIR 180° motion/ambient light sensor, <15' mtg ht.[3] FAO Field adjustable output[4] PIRH Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc[3] PIR1FC3V Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc,[3] 0-10V dimming wire leads[4] PIRH1FC3V Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc[3] **Shipped separately** BSW Bird-deterrent spikes[5] EGS External glare shield[6]	**Shipped installed** SF Single fuse (120, 277, 347V)[7] DF Double fuse (208, 240 or 480V)[7] HS House-side shield[8] LCE Left (Default) Entry[9] RCE Right (Default) Entry[9] **Shipped separately** BSW Bird-deterrent spikes[5] EGS External glare shield[6]	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white DSSTXD Textured sandstone

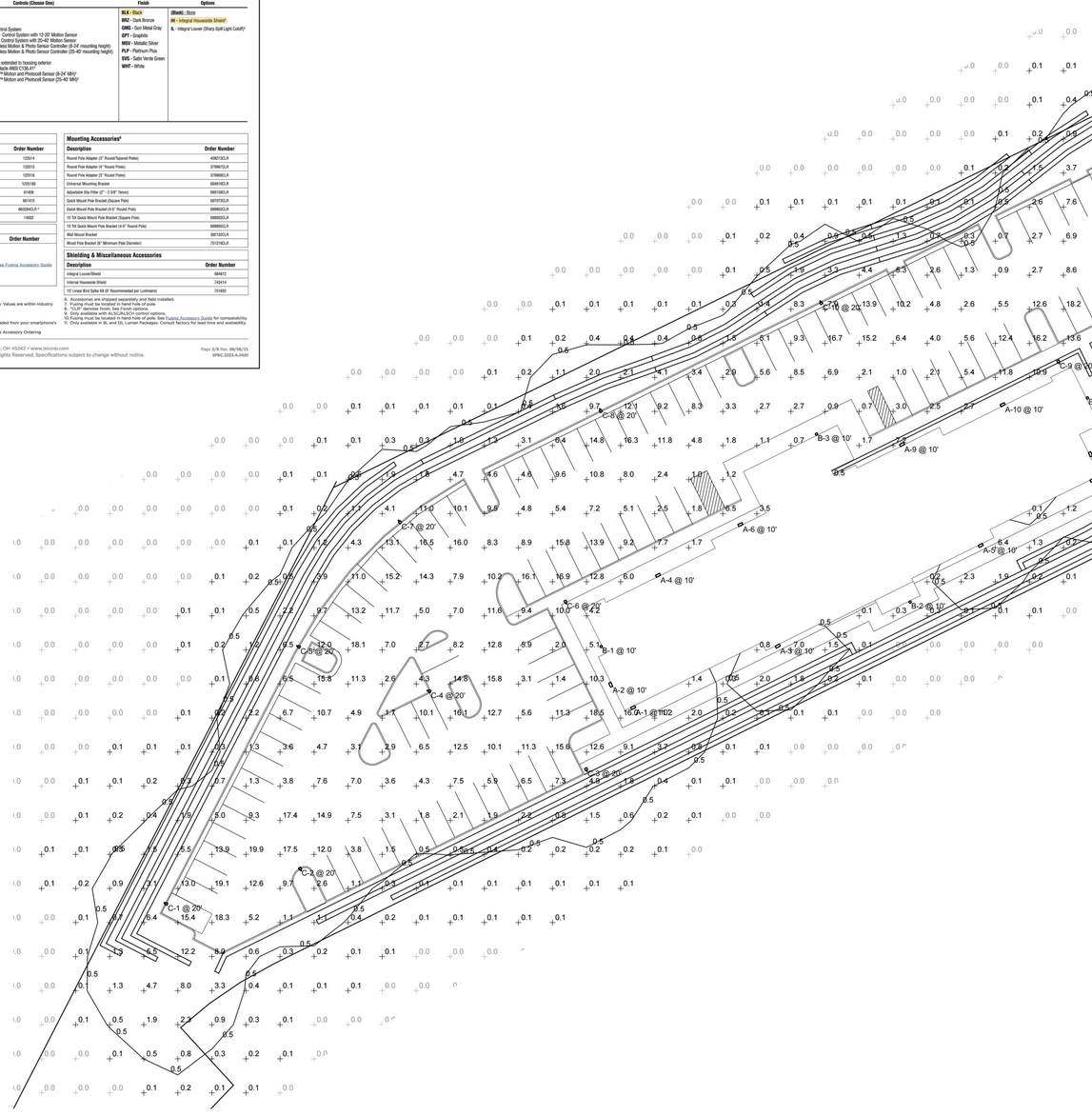
NOTES

1. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 347 or 480 for these voltages.
2. Not available with KSAWB. See PER5 or PER7 option.
3. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. Specify SPD for shorting cap.
4. If KSAWB mode required, it must be ordered and shipped as a separate line item from Acuity Brands Controls.
5. Specifies the Sensor Switch WSCD-1-OOP control; see Luminaire Control Options for details. Dimming driver standard. Not available with PER5 or PER7. Must specify 120V or 277V. Requires PER or separate surge unit.
6. Not available with PER5 or PER7 options.
7. Must specify 120, 277, or 347V option.
8. Must specify 120, 277, or 347V option.
9. Also available as a separate accessory; see Accessories information.
10. Requires a contractor supplied 5/ 32nd" outrigger fitting.
11. Requires luminaire to be specified with PER, PER5 or PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.

Accessories

Ordered and shipped separately.

DLL127 1.5 JU	Photocell - SSL twist-lock (120-277V)[11]
DLL347 1.5 CUL JU	Photocell - SSL twist-lock (347V)[11]
DLL480 1.5 CUL JU	Photocell - SSL twist-lock (480V)[11]
DMG10 GM U	Shorting cap
KAXWHS U	House-side shield
KAXWBSW U	Bird-deterrent spikes
KAXWEGS U	External glare shield



Scale: 1" = 30'

Lighting Schedule

Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Filename	Number of Lamps	Lumens Per Lamp	Light Loss Factor	Wattage
▭	A	10	Lithonia Lighting	KAXW LED P1 30K R3 MVOLT EGS	KAXW LED, PERFORMANCE PACKAGE 1, 3000K, TYPE 3, 120-277V, HOUSE-SIDE SHIELD	KAXW_LED_P1_30K_R3_MVOLT_EGS.ies	1	Absolute	1.00	29.0
○	B	4	Liton Lighting Inc	WD1340B-L15-B45UE-DUN	4" ROUND 1-DIRECTION WALL MOUNT (IP65) - 1500LM	WD1340B-L15-B45UE.ies	1	Absolute	1.00	20.1
▭	C	12	LSI INDUSTRIES, INC.	SLM-LED-42L-SIL-3-30-70CRI		SLM-LED-42L-SIL-3-30-70CRI.ies	1	Absolute	1.00	352.0

CALCULATIONS
AVERAGE: 2.5 fc
MAXIMUM: 19.9 fc
MINIMUM: 0.0 fc

LIGHTING NOTES:

1. Each outdoor luminaire equipped with a lamp that emits 3,000 or more initial lumens shall be a full cutoff luminaire and shall be arranged or shielded to reflect light away from adjoining residential districts and away from adjacent roads. The spillover of lighting from luminaires onto public roads and property in residential or rural areas zoning districts shall not exceed one half footcandle.
2. "A" & "B" fixtures shall be mounted at a height of 10'.
3. "C" fixtures shall be mounted at a height of 20' from finished grade which includes the pole base.
4. "A", "B" & "C" fixtures shall have a black finish.
5. "A", "B" & "C" fixtures shall have a CCT of 3000K.

SHIMP ENGINEERING PC
LAND PLANNING • PROJECT MANAGEMENT
912 E. HIGH ST. 434.227.5140
CHARLOTTESVILLE VA, 22902 JUSTIN@SHIMP-ENGINEERING.COM

COMMONWEALTH OF VIRGINIA
JUSTIN D. SHIMP
LIC. NO. 45183
PROFESSIONAL ENGINEER
FOR REVIEW

INITIAL SITE DEVELOPMENT PLAN

OVERLOOK HOTEL

ALBEMARLE COUNTY, VIRGINIA

SUBMISSION:

2021.05.03

REVISION:

2021.09.20 [ARB]

2021.12.27 [ARB]

FILE NO. 19.039

LIGHTING PLAN

SHEET C7 of C8

C7

Virginia Department of Transportation Details	
201.01	Standard 6" Curb (CG-2)
201.03	Combination 6" Curb & Gutter (CG-6)
203.04	Method of Treatment
204.01	CG-12 Detectable Warning Surface (General Notes)
506.04	Midwest Guardrail System*
506.05	Midwest Guardrail System*
The Standard Drawings contained in the VDOT Road & Bridge Standards are signed and sealed engineering drawings that are copyrighted materials of VDOT and the Commonwealth of Virginia. VDOT's policy is to offer the Standard Drawings in a secure electronic format and each Standard is available on this website. http://www.virginiadot.org/business/locdes/vdot_road_and_bridge_standards.asp	
*Finish of guardrail system shall have a corten (rustic brown) finish	



Finish of retaining wall to be coordinated with arch. drawings

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INITIAL SITE DEVELOPMENT PLAN

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2021.12.27 [ARB]

FILE NO.
19.039

SITE DETAILS

SHEET C8 of C8

C8