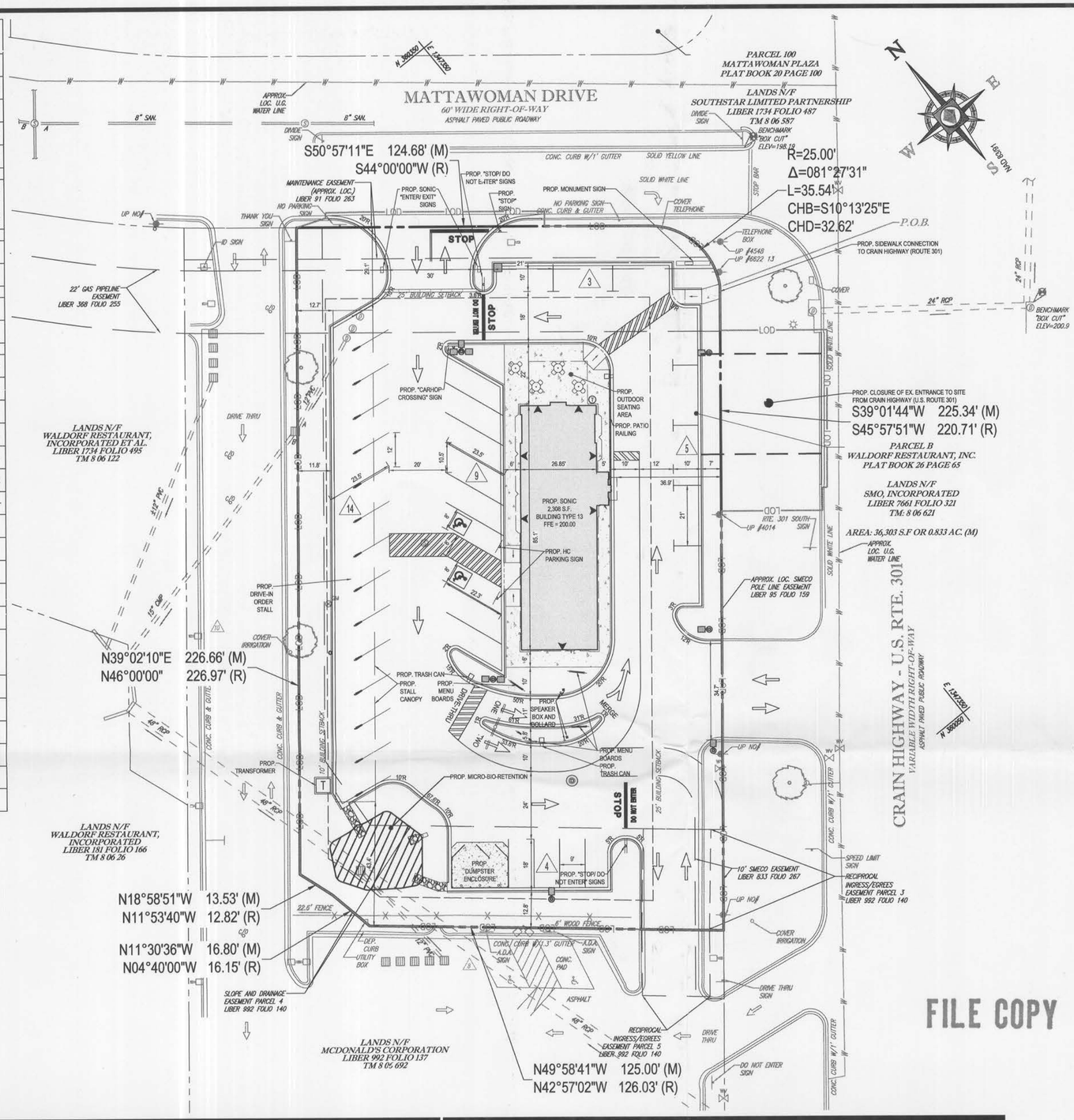
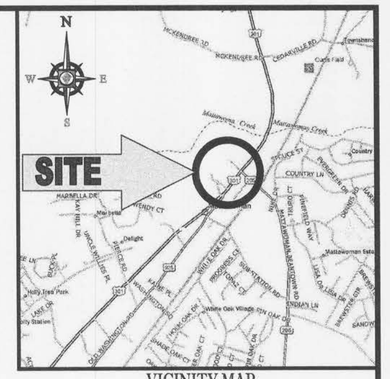
STANDARD DRAWING LEGEND

FOR ENTIRE PLAN SET (NOT TO SCALE)

EXISTING NOTE	TYPICAL NOTE TEXT	PROPOSED NOTE
	ONSITE PROPERTY LINE / R.O.W. LINE	
	NEIGHBORING PROPERTY LINE / INTERIOR PARCEL LINE	
	EASEMENT LINE	
	SETBACK LINE	
	CONCRETE CURB & GUTTER	CURB AND GUTTER / DEPRESSED CURB AND GUTTER
	UTILITY POLE	
	TYPICAL LIGHT	
	TYPICAL SIGN	
X	PARKING COUNTS	X
W	UNDERGROUND WATER LINE	W
E	UNDERGROUND ELECTRIC LINE	E
G	UNDERGROUND GAS LINE	G
OH	OVERHEAD WIRE	OH
T	UNDERGROUND TELEPHONE LINE	T
	STORM SEWER	
S	SANITARY SEWER MAIN	S
	HYDRANT	
	GREASE TRAP	
S	SANITARY MANHOLE	
D	STORM MANHOLE	
WM	WATER METER	
WV	WATER VALVE	
GM	GAS METER	
	HEADWALL OR ENDWALL	
	CURB INLET	
	GRATE INLET	
	CLEAN OUT	
EM	ELECTRIC BOX/ TRANSFORMER	T
	BENCHMARK	





VICINITY MAP

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DELORME STREET ATLAS 2004 PLUS USA

SCALE: 1"=2000'

NOTES:

1. THIS PLAN IS BASED UPON THE FOLLOWING:
   ALTA/ACSM LAND TITLE SURVEY
   BOHLER ENGINEERING
   "SONIC CORPORATION
   2055 CRAIN HIGHWAY
   6TH ELECTION DISTRICT
   CHARLES COUNTY, MARYLAND"
   PROJECT NO.: SB142050
   DATED: 06/27/14

   PLAT
   HERBERT R. CROWDER
   "PARCEL "B"
   WALDORF RESTAURANT, INC.
   6TH ELECTION DISTRICT
   CHARLES COUNTY, MARYLAND"
   PLAT NO.:P100929
   PLAT BOOK 26, PAGE 65
   APPROVED: 06/19/1978
2. DEVELOPER:
   SOMAR HOSPITALITY, LLC
   995 N. PRINCE FREDERICK BOULEVARD, SUITE 201
   PRINCE FREDERICK, MARYLAND 20678
   CONTACT: ERIC BAILEY
   PHONE: (301) 855-3828
3. ARCHITECT:
   SMW ARCHITECTS
   6 DEEP HOLLOW LANE
   LANCASTER, PA 17603
   CONTACT: STEPHEN WISE
   PHONE: (717) 368-1199
4. BOHLER CONTACT:
   MATTHEW JONES
   16701 MELFORD BOULEVARD, SUITE 310
   BOWIE, MD 20715
   (301) 809-4500
5. " ARCEL DATA:
   TAX MAP 8, GRID 06, PARCEL 621
   TOTAL AREA: 36,303 SQUARE FEET OR 0.833 AC
   BASE ZONE: CB (CENTRAL BUSINESS)
   OVERLAY ZONE: HC (HIGHWAY CORRIDOR)
6. DEVELOPMENT PROPOSAL:
   DEMOLISH EXISTING GAS STATION, CANOPY AND CAR WASH AND REPLACE WITH PROPOSED 2,308 SQUARE FOOT SONIC FAST-FOOD RESTAURANT.
   LAND USE #: 6.02.310 (RESTAURANT, FAST-FOOD, DRIVE-IN OR DRIVE-THRU WITH DIRECT ACCESS TO A PUBLIC ROAD)
7. BUILDING FOOTPRINT:
   - SONIC RESTAURANT = 2,308 SQUARE FEET
   - DRIVE-IN STALL CANOPY = 2,408 SQUARE FEET.
8. PAVED AREA:
   PAR:.ING AREA AND DRIVE AISLES = 22,459 SQUARE FEET

9. BULK REQUIREMENTS:

		ALLOWED/REQUIRED	PROVIDED
A.	MIN. LOT		
	AREA	N/A	0.83 AC
	WIDTH	N/A	149.4'
	DEPTH	N/A	246.1'
	FRONTAGE	N/A	385.6'
B.	MIN. YARD REQUIREMENT (BRL)		
	FRONT (NORTHEAST - MATTAWOMAN DRIVE)	25'	29.1'
	FRONT (SOUTHEAST - CRAIN HIGHWAY)	30'*	36.9'
	REAR (NORTHWEST)	10'	12.7'
	REAR (SOUTHWEST - MCDONALD'S)	10'	43.4'
C.	PARKING REQUIREMENTS		
	1 SPACE PER 3 SEATS PLUS 0.5 SPACE PER STAFF (50 SEATS * 1 SPACE PER 3 SEATS) + (25 EMPLOYEES * 0.5 SPACE PER STAFF) = 31.67 SPACES	32	35
	2 ADA SPACES FOR 26-50 TOTAL PARKING SPACES	2 (1 VAN ACCESSIBLE SPACE PER 6 ADA SPACES)	2 (2 VAN ACCESSIBLE ADA SPACES)
D.	LOADING NOT REQUIRED AS DELIVERIES OCCUR AFTER HOURS	N/A	N/A
E.	FLOOR AREA RATIO (F.A.R.)	0.60	0.064
F.	MIN. PARKING SPACE DIMENSIONS	STANDARD 9'X18' 60° PARKING 10.5'X23.5' PAP.ALLEL 7.5'X21' ADA SPACES 8'X18'	STANDARD 9'X18' 60° PARKING 10.5'X23.5' PARALLEL 10'X21' ADA SPACES 8'X18'
G.	MAX. BUILDING HEIGHT	60'-0" (5 STORIES)	23±
H.	MAX. IMPERVIOUS	90%	74.5%

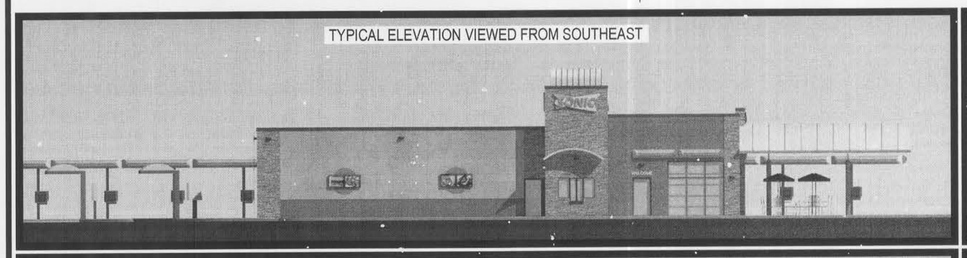
*INCREASED BUILDING RESTRICTION LINE DUE TO HC OVERLAY ZONE REQUIREMENTS

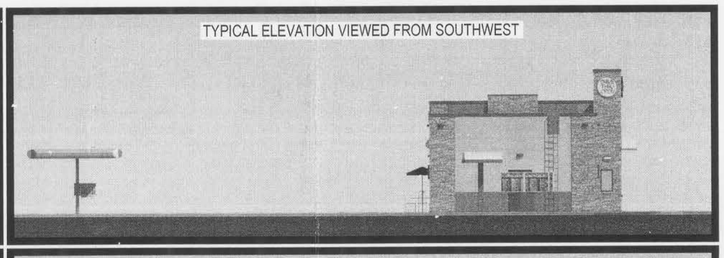
10. BASED ON THE "TRAFFIC IMPACT ANALYSIS FOR SONIC RESTAURANT (US 301 & MATTAWOMAN DR)" PREPARED BY LENHART TRAFFIC CONSULTING, INC. AND DATED JUNE 27, 2014, THE FOLLOWING RESULTS WERE FOUND:
    - THE BACKGROUND AND TOTAL TRAFFIC CONDITIONS HAVE BEEN EVALUATED WITH AND WITHOUT THE WALDORF CROSSING PROJECT INCLUDING THE ROAD IMPROVEMENTS REQUIRED TO SUPPORT THE WALDORF CROSSING APPROVAL. ALL OF THE STUDY INTERSECTIONS WILL OPERATE AT ACCEPTABLE LEVELS OF SERVICE IN THE EXISTING, BACKGROUND, AND TOTAL CONDITIONS WITH THE DEVELOPMENT OF THE PROPOSED SONIC RESTAURANT, AND WITH OR WITHOUT THE WALDORF CROSSING PROJECT
    - THE PROPOSED SONIC RESTAURANT WILL GENERATE 31 FEWER MORNING PEAK HOUR TRIPS AND 91 FEWER EVENING PEAK HOUR TRIPS THAN THE PRIOR USE (12 FUELING POSITION SERVICE STATION WITH CAR WASH AND CONVENIENCE STORE)
11. FOREST CONSERVATION IS NOT REQUIRED AS THE PARCEL AREA IS LESS THAN THE 40,000 SQUARE FOOT MINIMUM REQUIREMENT.
12. REQUIRED APPROVALS & PERMITS (TECHNICAL DESIGN DOCUMENTS TO BE COMPLETED UNDER SEPARATE COVER)
    A. PLANNING
    B. DEVELOPMENT SERVICES #__-____ - GRADING, STORMWATER MANAGEMENT, DRAINAGE DESIGN & UTILITIES & INFRASTRUCTURE
    C. CHARLES SOIL CONSERVATION DISTRICT - SEDIMENT & EROSION CONTROL #
    D. HEALTH DEPARTMENT
13. STORMWATER MANAGEMENT:
    STORMWATER MANAGEMENT WILL BE PROVIDED ON-STE VIA ESD FACILITIES IN ACCORDANCE WITH THE STORMWATER MANAGEMENT ORDINANCE FOR REDEVELOPMENT (SECTION 6.0 - B-3).
14. A MINIMUM SIZE GREASE TRAP OF 2,000 GALLONS IS REQUIRED FOR THE PROPOSED BUILDING.
15. DIRECTIONAL ARROWS ARE SHOWN FOR GRAPHICAL PURPOSES ONLY (NOT FOR CONSTRUCTION)
16. MUCH OF THE EXISTING PARKING LOT LIGHTING IS TO BE REMOVED DURING THE PROPOSED DEVELOPMENT. NEW PARKING LOT LIGHTING IS PROPOSED IN ORDER TO SUFFICIENTLY ILLUMINATE THE PROPERTY PER COUNTY AND SONIC STANDARDS.
17. THE PROPERTY IS LOCATED IN OTHER AREAS ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) PER MAP ENTITLED "FIRM, FLOOD INSURANCE RATE MAP, CHARLES COUNTY, MARYLAND AND INCORPORATED AREAS, PANEL 70 OF 575 ", MAP NUMBER 24017C0070C, MAP EFFECTIVE DATE SEPTEMBER 4, 2013.
18. HANDICAPPED PARKING WILL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE CURRENT RULES AND REGULATIONS REGARDING COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA) & MARYLAND ACCESSIBILITY CODE (MAC). COMPLIANCE WILL BE BASED UPON PROVIDING THE MINIMUM NUMBER OF ACCESSIBLE PARKING SPACES, CORRECT SIGNAGE, STRIPING, SLOPES, ETC. PRIOR TO U & O PERMIT ISSUANCE FOR THE BUILDING AMERICANS WITH DISABILITIES ACT (ADA) & MARYLAND ACCESSIBILITY CODE (MAC) COMPLIANCE WILL BE VERIFIED BY A CHARLES COUNTY ZONING INSPECTOR. ANY INCONSISTENCIES IDENTIFIED ON-SITE THAT ARE NOT MEETING ESTABLISHED REQUIREMENTS, ARE TO BE CORRECTED BY THE OWNER/DEVELOPER PRIOR TO FINAL SITE APPROVAL.
19. PARKING SPACES AND ACCESS AISLES SHALL BE LEVEL WITH SURFACE SLOPES NOT EXCEEDING 1:50 (2%) IN ALL DIRECTIONS IN ACCORDANCE WITH ADA, SECTION 4.6.3.
20. WATER CATEGORY: W1
    SEWER CATEGORY: S3

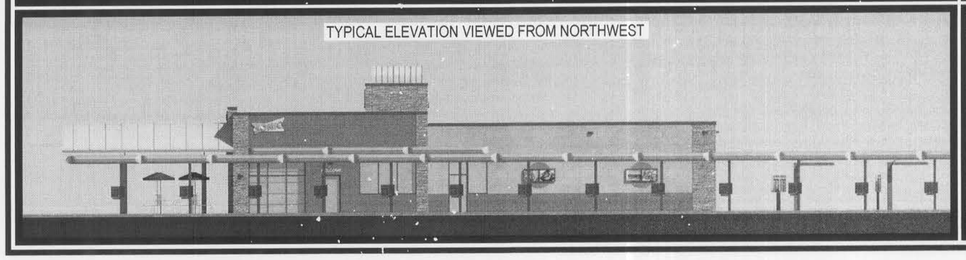
30 15 7.5 0 30

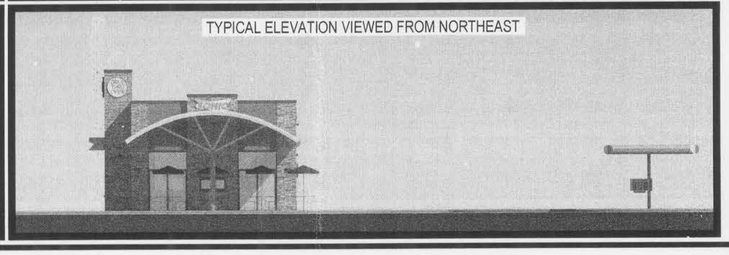
1"= 30'

FILE COPY









NOT FOR CONSTRUCTION:
SPECIAL EXCEPTION PLAN IS FOR SPECIAL EXCEPTION REVIEW ONLY

M. K. JONES
PROFESSIONAL ENGINEER
MARYLAND LICENSE NO. 39999
8/19/14

PROFESSIONAL CERTIFICATION
I, MATTHEW K. JONES, HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 39999, EXPIRATION DATE: 3/15/2015

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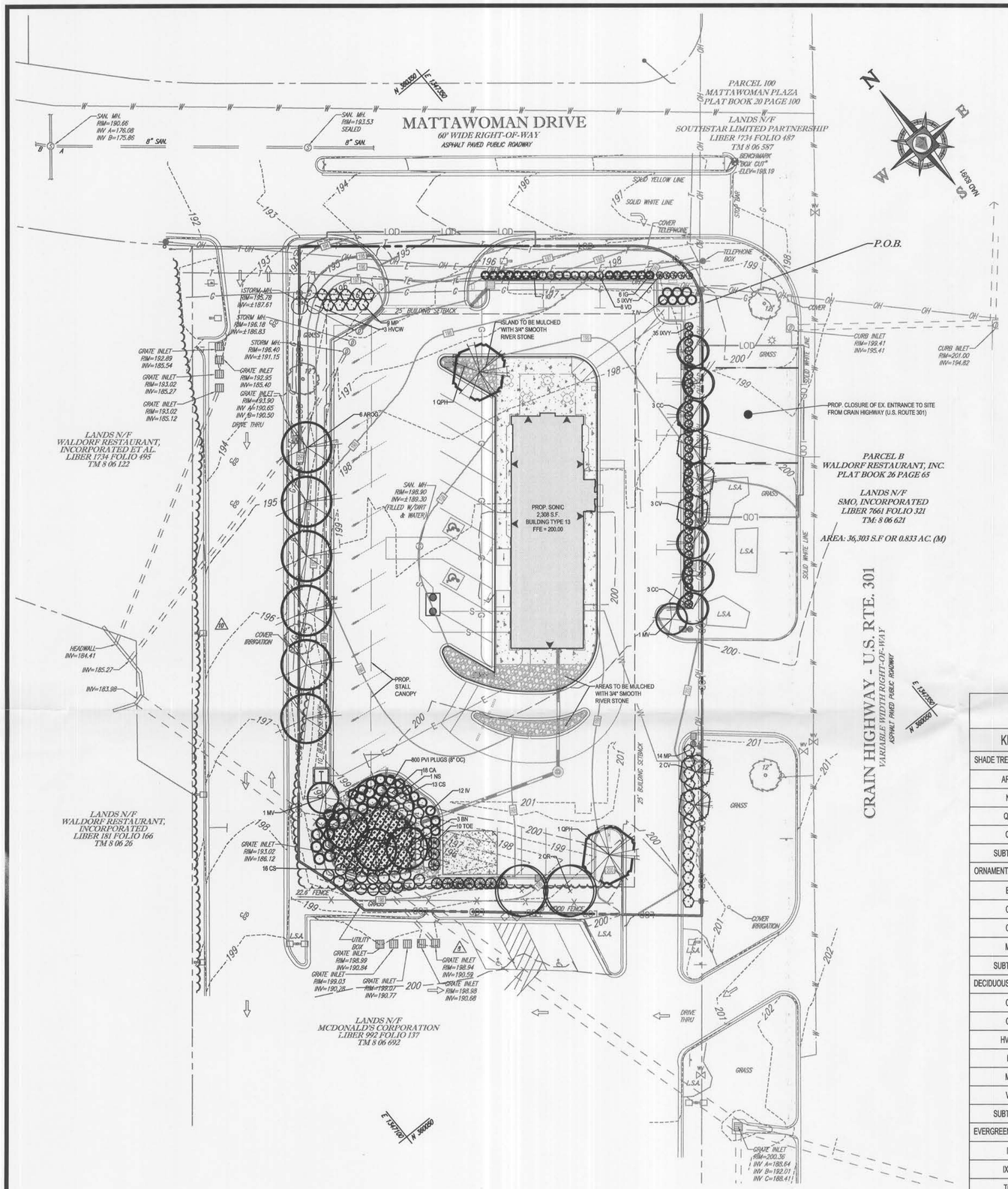
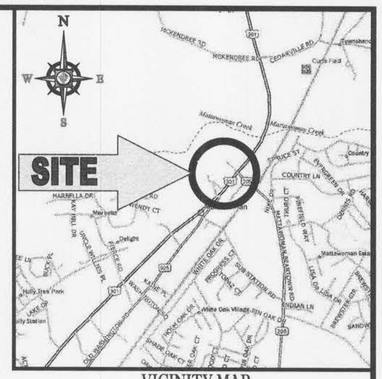
PROJECT NAME:
SONIC WALDORF
2055 CRAIN HIGHWAY
WALDORF, MD 20601

SHEET TITLE:
SPECIAL EXCEPTION PLAN
SPECIAL EXCEPTION SHEET 2 OF 4

SCALE:	DATE:	CAD ID:	PROJECT NUMBER:
1"=30'	08/15/14	SE0	MB142050

BOHLER ENGINEERING
16701 MELFORD BLVD., SUITE 310 BOWIE, MD 20715
PHONE: (301) 809-4500 FAX: (301) 809-4501





E-3: Formula for Calculating Thirty-Five-Percent Shading of Parking Areas.

The following is a formula for determining the number of shade trees required in and around paved parking lots in order to presumptively satisfy the shading requirements of Article XXI.

(1)	Including parking spaces, driveways, loading areas, sidewalks and other circulation areas and not including building area or any area which will remain completely undeveloped, calculate square footage of the vehicle accommodation area:	20,629 square feet
(2)	Multiply	x 0.35
(3)	Area to be shaded =	7,220 square feet
	Add:	
(4)	Area shaded by existing trees to be retained in and around the vehicle accommodation area:[1]	0 square feet
(5)	Area shaded by required screening trees, if any:[1]	5,030 square feet
(6)	Area shaded by required street trees, if any:[1]	0 square feet
(7)	Subtotal = [If line (7) is greater than line (3), then the shading requirement has been met. If not, go to line (8).]	5,030 square feet
(8)	Enter the difference between line (7) and line (3):	2,190 square feet
(9)	Divide line (8):	□ 707
(10)	Total number of shade trees required within the vehicle accommodation area =	3 trees

THREE TREES PROVIDED WITHIN VEHICLE ACCOMMODATION AREA

LANDSCAPE SCHEDULE

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
SHADE TREE(S)					
AROG	6	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE	2 1/2-3" CAL.	B+B
NS	1	NYSSA SYLVATICA	SOURGUM OR TUPELO	2 1/2-3" CAL.	B+B
QPH	2	QUERCUS PHELLOS	WILLOW OAK	2 1/2-3" CAL.	B+B
QR	2	QUERCUS RUBRA	RED OAK	2 1/2-3" CAL.	B+B
SUBTOTAL:	11				
ORNAMENTAL TREE(S)					
BN	3	bETULA NIGRA	MULTI STEM RIVER BIRCH	12-14'	B+B
CC	6	CERCIS CANADENSIS	EASTERN REDBUD	2-2 1/2" CAL.	B+B
CV	5	CHIONANTHUS VIRGINICUS	WHITE FRINGETREE	6-8'	B+B
MV	2	MAGNOLIA VIRGINIANA	SWEETBAY MAGNOLIA	8-10'	B+B
SUBTOTAL:	16				
DECIDUOUS SHRUB(S)					
CA	18	CLETHRA ALNIFOLIA	SUMMERSWEET CLETHRA	18-24"	#3 CAN
CS	29	CORNUS SANGUINEA 'MIDWINTER FIRE'	BLOODTWIG DOGWOOD	18-24"	#3 CAN
HVCW	3	HAMAMELIS VIRGINIANA	COMMON WITCHHAZEL	3-4'	B+B
IV	19	ITEA VIRGINICA 'HENRY'S GARNET'	GARNET SWEETSPIRE	18-24"	#5 CAN
MP	23	MYRICA PENSYLVANICA	NORTHERN BAYBERRY	18-24"	#3 CAN
VD	8	VIBURNUM DENTATUM	ARROWWOOD VIBURNUM	3-4'	B+B
SUBTOTAL:	100				
EVERGREEN SHRUB(S)					
IG	13	ILEX GLABRA	INKBERRY HOLLY	18-24"	#3 CAN
IXVY	40	ILEX VOMITORIA 'SCHILLINGS DWARF'	SCHILLINGS DWARF YAUPON HOLLY	18-24"	#3 CAN
TOE	10	THUJA OCCIDENTALIS 'EMERALD'	EMERALD GREEN ARBORVITAE	5-6'	B\B
SUBTOTAL:	63				
ORNAMENTAL GRACS(ES)					
PVI	800	PANICUM VIRGATUM	SWITCH GRASS		PLUG
SUBTOTAL:	800				

30 15 7.5 0 30

1"= 30'

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NOT FOR CONSTRUCTION:
LANDSCAPE PLAN IS FOR SPECIAL EXCEPTION REVIEW ONLY

NICHOLAS T. GEORGAS
REGISTERED LANDSCAPE ARCHITECT

PROFESSIONAL CERTIFICATION
I, NICHOLAS T. GEORGAS, HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 3706, EXPIRATION DATE: 03/18/15

PROJECT NAME:
SONIC WALDORF
2055 CRAIN HIGHWAY
WALDORF, MD 20601

SHEET TITLE:
PRELIMINARY LANDSCAPE PLAN
SPECIAL EXCEPTION SHEET 3 OF 4

SCALE:	DATE:	CAD ID:	PROJECT NUMBER:
1"=30'	08/15/14	SE0	MB142050

BOHLER ENGINEERING
16701 MELFORD BLVD., SUITE 310 BOWIE, MD 20715
PHONE: (301) 809-4500 FAX: (301) 809 4501

STANDARD DRAWING LEGEND

FOR ENTIRE PLAN SET
(NOT TO SCALE)

EXISTING NOTE	TYPICAL NOTE TEXT	PROPOSED NOTE
	ONSITE PROPERTY LINE / R.O.W. LINE	
	NEIGHBORING PROPERTY LINE / INTERIOR PARCEL LINE	
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	TYPICAL SIGN	
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S	SANITARY SEWER MAIN	S
	HYDRANT	
	GREASE TRAP	
S	SANITARY MANHOLE	
D	STORM MANHOLE	
WM	WATER METER	
WV	WATER VALVE	
GM	GAS METER	
	HEADWALL OR ENDWALL	OR
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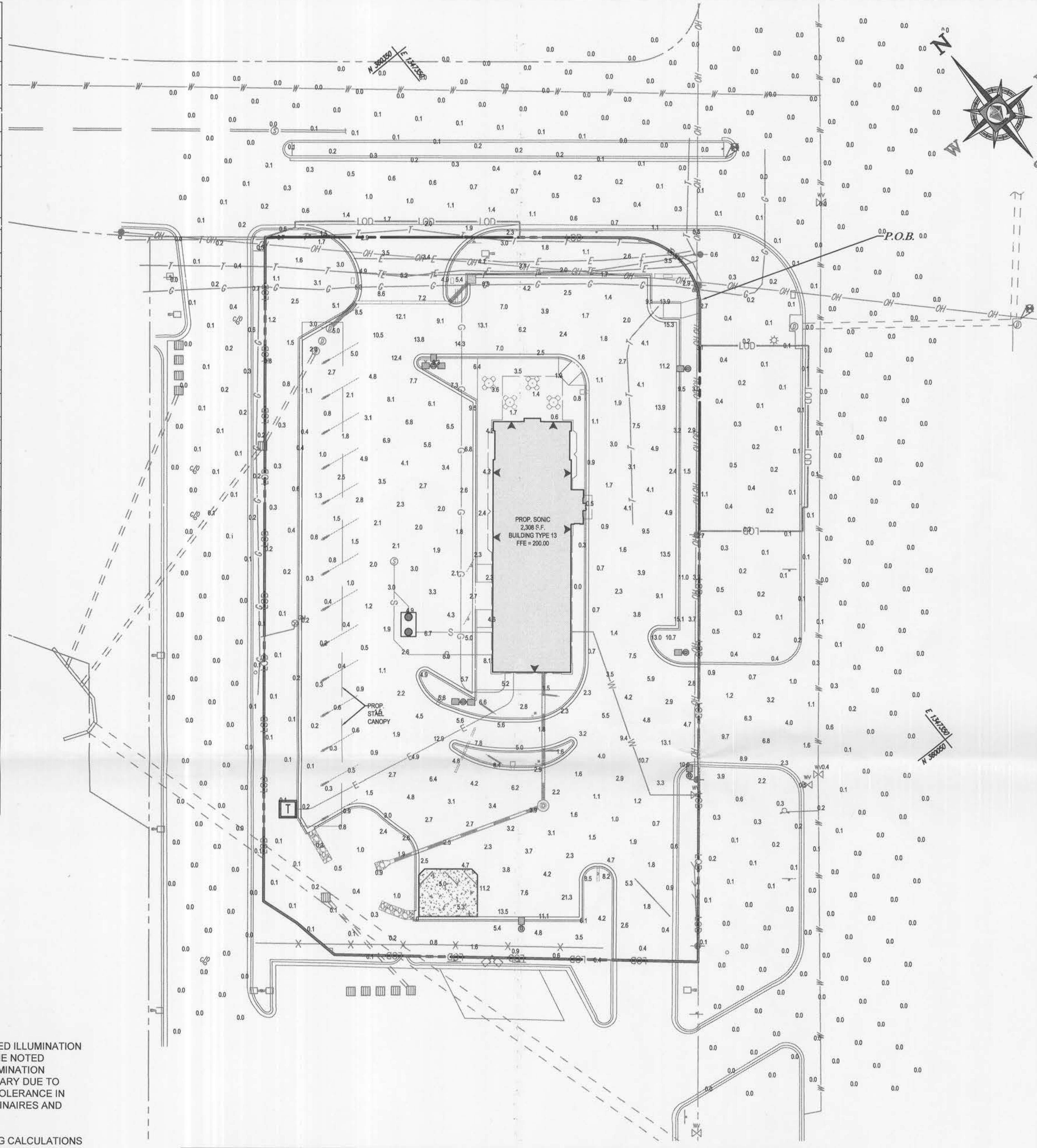
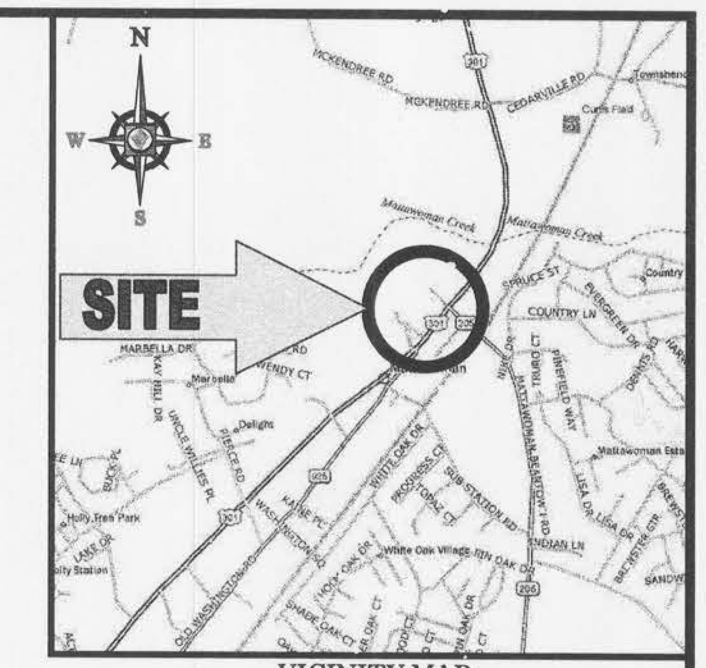
	CLEAN OUT	
EM	ELECTRIC BOX/ TRANSFORMER	T
	BENCHMARK	





VICINITY MAP

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DELORME STREET ATLAS 2004 PLUS USA
SCALE: 1"=2000'

LIGHTING NOTES:

1. THIS LIGHTING PLAN DEPICTS PROPOSED SUSTAINED ILLUMINATION LEVELS CALCULATED USING DATA PROVIDED BY THE NOTED MANUFACTURER(S). ACTUAL SUSTAINED SITE ILLUMINATION LEVELS AND PERFORMANCE OF LUMINAIRES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, THE SERVICE LIFE OF EQUIPMENT AND LUMINAIRES AND OTHER RELATED VARIABLE FIELD CONDITIONS.
2. THE LIGHT LOSS FACTORS USED IN THESE LIGHTING CALCULATIONS ARE 0.90 FOR ALL LED LUMINAIRES, 0.80 FOR ALL HIGH PRESSURE SODIUM LUMINAIRES OR 0.72 FOR ALL METAL HALIDE LUMINAIRES UNLESS OTHERWISE SPECIFIED. THESE FACTORS ARE INDICATIVE OF TYPICAL LIGHTING INDUSTRY MODELING STANDARDS.
3. THE LIGHTING VALUES AND CALCULATION POINTS DEPICTED ON THIS PLAN ARE ALL ANALYZED ON A HORIZONTAL GEOMETRIC PLANE AT ELEVATION ZERO (GROUND LEVEL) UNLESS OTHERWISE NOTED. THE VALUES DEPICTED ON THIS PLAN ARE IN FOOTCANDLES.
4. THIS LIGHTING PLAN IS INTENDED TO SHOW THE LOCATIONS AND TYPE OF LUMINAIRES, ONLY. POWER SYSTEM, CONDUITS, WIRING, VOLTAGES AND OTHER ELECTRICAL COMPONENTS ARE THE RESPONSIBILITY OF THE ARCHITECT, MEP AND/OR LIGHTING CONTRACTOR, AS INDICATED IN THE CONSTRUCTION CONTRACT DOCUMENTS. THESE ITEMS MUST BE INSTALLED AS REQUIRED BY STATE AND LOCAL REGULATIONS. CONTRACTOR IS RESPONSIBLE FOR INSTALLING LIGHTING FIXTURES AND APPURTENANCES IN ACCORDANCE WITH ALL APPLICABLE BUILDING AND ELECTRICAL CODES AND ALL OTHER APPLICABLE RULES, REGULATIONS, LAWS AND STATUTES.

Luminaire Schedule

Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description	MOUNTING HEIGHT
	1	KVF2_400M_SR3FL_HS	3 @ 90 DEGREES	38000	0.800	KVF2 400M SR3FL HS	22'
	4	KVF2_400M_SR3FL_HS single	SINGLE	38000	0.800	KVF2 400M SR3FL HS	15'
	1	KVF2_400M_SR3FL_HS 180	BACK-BACK	38000	0.800	KVF2 400M SR3FL HS	KVF2_22'

Calculation Summary

Label	Calc Type	Units	Avg	Max	Min	Avg/Min	Max/Min
Parking Lot	Illuminance	Fc	3.83	21.3	0.0	N.A.	N.A.
Public ROW	Illuminance	Fc	0.23	9.7	0.0	N.A.	N.A.
Site Perimeter	Illuminance	Fc	1.26	8.2	0.1	12.60	82.00
Site Perimeter 2	Illuminance	Fc	3.62	13.9	1.1	3.29	12.64

30 15 7.5 0 30

1"= 30'

NOT FOR CONSTRUCTION:
LIGHTING PLAN IS FOR SPECIAL
EXCEPTION REVIEW ONLY

LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

FEATURES & SPECIFICATIONS

INTENDED USE — Use for parking lots, streets and surrounding areas.

CONSTRUCTION — Heavy gauge die-formed aluminum housing is fabricated using robotic continuous seam-weld process for weather-tight integrity. Integral structural support plate for mounting arm and electrical components ensures rigidity and strength. Hinged aluminum door frame incorporates stainless steel hardware. Continuous silicone gasketing surrounds lens for weather-tight seal. Optional tool-less hardware is available to maximize installation and maintenance ease.

Lens: Thermal shock resistant tempered glass lens. Choice of contoured drop lens or flat lens is available in standard product.

Standard finish is dark bronze corrosion resistant electrostatically applied powder paint. Optional linear embossed accent reveals are available.

OPTICS — Most flat lens configurations meet full-cutoff criteria. See www.lithonia.com for details. Vertical-lamp reflectors are 1-piece spun and formed anodized aluminum. Specialized distributions available for either drop lens or flat lens. Reflectors are independently designed to optimize light output for the lens type. Horizontal-lamp reflectors also available.

ELECTRICAL — All electrical components are mounted to a heavy-gauge plate to maximize heat dissipation and ensure structural integrity for optimal component life. Ballast: Constant wattage autotransformer. Metal Halide: Super CWA (pulse start ballast), 88% efficient and EISA legislation compliant, is required for 175-400W (SCWA option) for US shipments only. CSA, NOM or INTL required for probe start shipments outside of the US. Pulse-start ballast (SCWA) required for 200W, 320W, 350W, 450W, 750W, 775W or 875W. Ballast is 100% factory-tested.

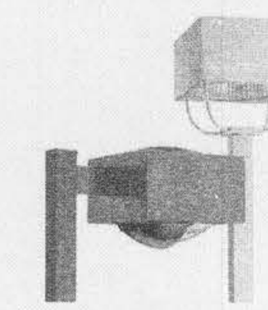
Socket: Mogul-base porcelain socket with copper alloy, nickel-plated screw shell and center contact. Vertically-oriented for types SYM, ASY, and VFA distributions. Horizontal position-oriented for types R2, R3 and R4. UL listed 1500W-600V, 4KV pulse rated. Reflectors are rotatable and interchangeable.

INSTALLATION — Extruded aluminum arm with integral splice compartment. Standard arm is 9" in length. Aluminum fitter for 4" to 6" OD poles.

LISTINGS — UL Listed to US and Canadian safety standards (see Options). NOM Certified (see options). UL listed for 25°C ambient and wet locations. Optical chamber IP65 rated.

WARRANTY — 1-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Specifications subject to change without notice.



Square Area Lighting

KVF2

METAL HALIDE: 175-1000W
HIGH PRESSURE SODIUM: 250-1000W
20' to 40' Mounting

Specifications

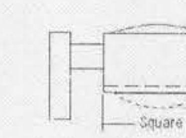
Square: 21-1/2 (54.6)
Flat lens height: 14 (35.5)
Drop lens height: 17 (43.2)

Arm mount
EPA: 2.8 ft² (0.25 m²), incl. arm
*Weight: 53 lbs (24 kg)

Post top
EPA: 2.8 ft² (0.25 m²)
Weight: +2 lbs to *
Overall Height: 22-3/4 (57.8)

* Weight as configured in example below.

Dimensions in inches (centimeters) unless otherwise specified.



Mounting Option	Drilling Template
SPxx, RPxx,	5
WBxx	6
WWxx	7

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: KVF2 400M SYMDL TB SCWA SP09 LPI

KVF2	400M			SR3FL		347		SP	
Series	**Wattage**			**Distribution**		**Voltage**	**Ballast**	**Mounting**	
KVF2	Metal halide 175M[1] 200M[2] 250M[1] 320M[2] 350M[1,2]	**400M[3]** 450M[1,2] 750M[2] 775M[2,4] 875M[2,4] **1000M[5]**	High pressure sodium[6] 250S 400S 750S 1000S[5,7]	Vertical lamp:[8] SYM__ Symmetric square ASY__ Asymmetric VFA__ Vertical forward throw automotive Horizontal lamp:[8] R2__ Type II R3__ Type III	High-performance horizontal lamp:[9] SR2FL Type II roadway SR3FL Type III asymmetric SR4SCFL Type IV forward throw, sharp cutoff SR4WFL Type IV forward throw, wide	120 208[10] 240[10] 277 **347** 480[10] TB[11] 23050HZ[12]	(blank) Magnetic ballast CWI Constant wattage isolated Pulse Start SCWA Super CWA ballast Note: For shipments to U.S. territories, SCWA must be specified to comply with EISA.	Type SP__ Square pole RP__ Round pole WB__ Wall bracket WW__ Wood pole or wall bracket PT__ Post top; opentop pole	Size[13] 06 6" arm **09** 9" arm 12 12" arm 4 4" OD 4.5 4.5" OD 5 5" OD 6 6" OD

Options			Finish[20]		Lamp (required)
Shipped installed in fixture SF Single fuse 120, 277, 347V[14] DF Double fuse 208, 240, 480V[14] KW1 KiloWatch® 120V control relay[14,15] KW4 KiloWatch® 277V control relay[14,15] PER NEMA twist-lock receptacle only (photocontrol not included) QRS Quartz restrike system[16] QRSTD QRS time delay[12,16] EA Embossed accent	EHS External houseside shield (matches fixture finish)[17,18,19] EHSB External houseside shield black (painted black to maximize light control)[17,19] CSA Listed and labeled to comply with Canadian Standards NOM NOM certified[12] INTL Available for 175M probe start shipping outside the U.S. REGC1 California Title 20 effective 1/1/2010	Shipped separately[17] VG Vandal guard[18,19] PE1 NEMA twist-lock PE (120, 208, 240V) PE3 NEMA twist-lock PE (347V) PE4 NEMA twist-lock PE (480V) PE7 NEMA twist-lock PE (277V) SC Shorting cap	(blank) Dark bronze DBL Black DGC Charcoal gray DMB Medium bronze DNA Natural aluminum DWH White Super Durable Finishes DDBXD Dark bronze	DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white	LPI Lamp included L/LP Less lamp NIGHTTIME FRIENDLY

Notes
1. These wattages do not comply with California Title 20 regulations.
2. Must be ordered with SCWA.
3. These wattages require the REGC1 option to be chosen for shipments into California for Title 20 compliance. 250M REGC1 in not available in 347 or 480V.
4. Must specify voltage (120, 208, 240, 277, 347 or 480). Not available in TB. 208, 240, and 480v not available in Canada. Use reduced jacketed lamp.
5. Available with ASY or SYM only.
6. Not available with SCWA. 250S – must specify voltage (120, 208, 240, 277, 347 or 480); available with SYM, ASY or VFA only.
7. Standard ED25 lamp with drop lens.
8. For drop lens, specify DL. For flat lens, specify FL. Example: SYMDL or R2FL.
9. Not available with 750M, 775M, 875M, 1000W or post top.
10. Must specify CWI for use in Canada.
11. Optional multi-tap ballast (120, 208, 240, 277V; 120, 277, 347V in Canada).
12. Consult factory for available wattages.
13. 12" arm required when two or more luminaires are oriented on a 90° drilling pattern.
14. Not available with TB. Must specify voltage.
15. Available in vertical lamp orientation only for 200-400M SCWA. Any orientation on 250S or 400S only.
16. Maximum allowable wattage lamp included.
17. May be ordered as an accessory.
18. Specify finish when ordered as an accessory.
19. Prefix with KVF2 when ordering as an accessory. Order as KVF2EHSFL U for high-performance reflectors.
20. See www.lithonia.com/archcolors for additional color options.

OUTDOOR KVF2-M-S

M. K. JONES
PROFESSIONAL ENGINEER 8/19/14
MARYLAND LICENSE No. 39999
PROFESSIONAL CERTIFICATION
I, MATTHEW K. JONES, HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 39999, EXPIRATION DATE: 3/15/2015

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PROJECT NAME:	SONIC WALDORF 2055 CRAIN HIGHWAY WALDORF, MD 20601
SHEET TITLE:	LIGHTING PLAN SPECIAL EXCEPTION SHEET 4 OF 4

SCALE:	DATE:	CAD ID:	PROJECT NUMBER:
1"=30'	08/15/14	LT0	MB142050

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